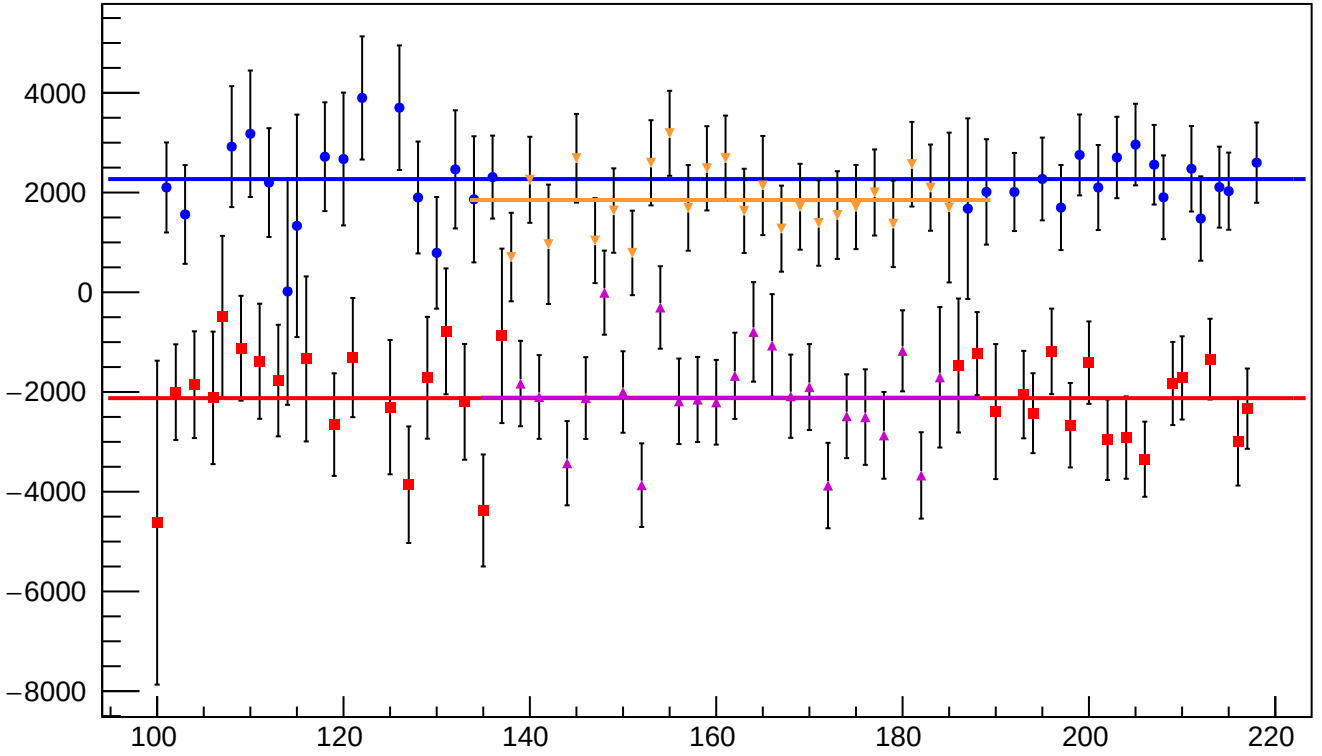
reg_asym_us_avg_mean vs Slug



Right In: 2269.929+/-171.830 χ^2/NDF: 11.5/31

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

Right Out: -2123.277+/-172.735 χ^2/NDF: 23.0/33

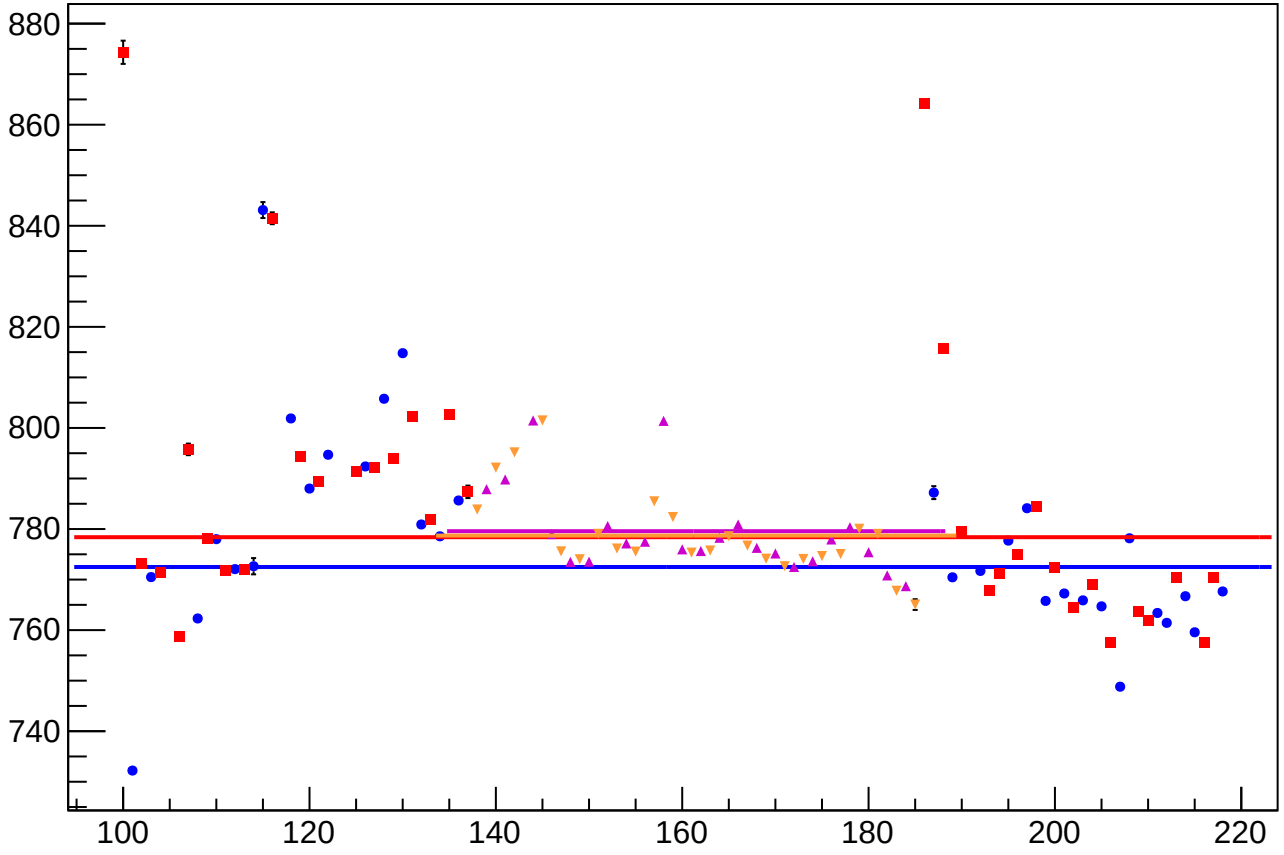
Left In: -2114.442+/-182.028 χ^2/NDF:31.1/22

+ sign 2070.375+/-124.533 χ^2/NDF: 27.2/55

All: -11.518+/-88.327 χ^2/NDF: 643.6/112

- sign -2119.091+/-125.298 χ^2/NDF: 54.0/56

reg_asym_us_avg_rms vs Slug



Right In: 772.487+/-0.122 χ^2/NDF: 18574.7/31

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

Right Out: 778.386+/-0.122 χ^2/NDF: 26922.3/33

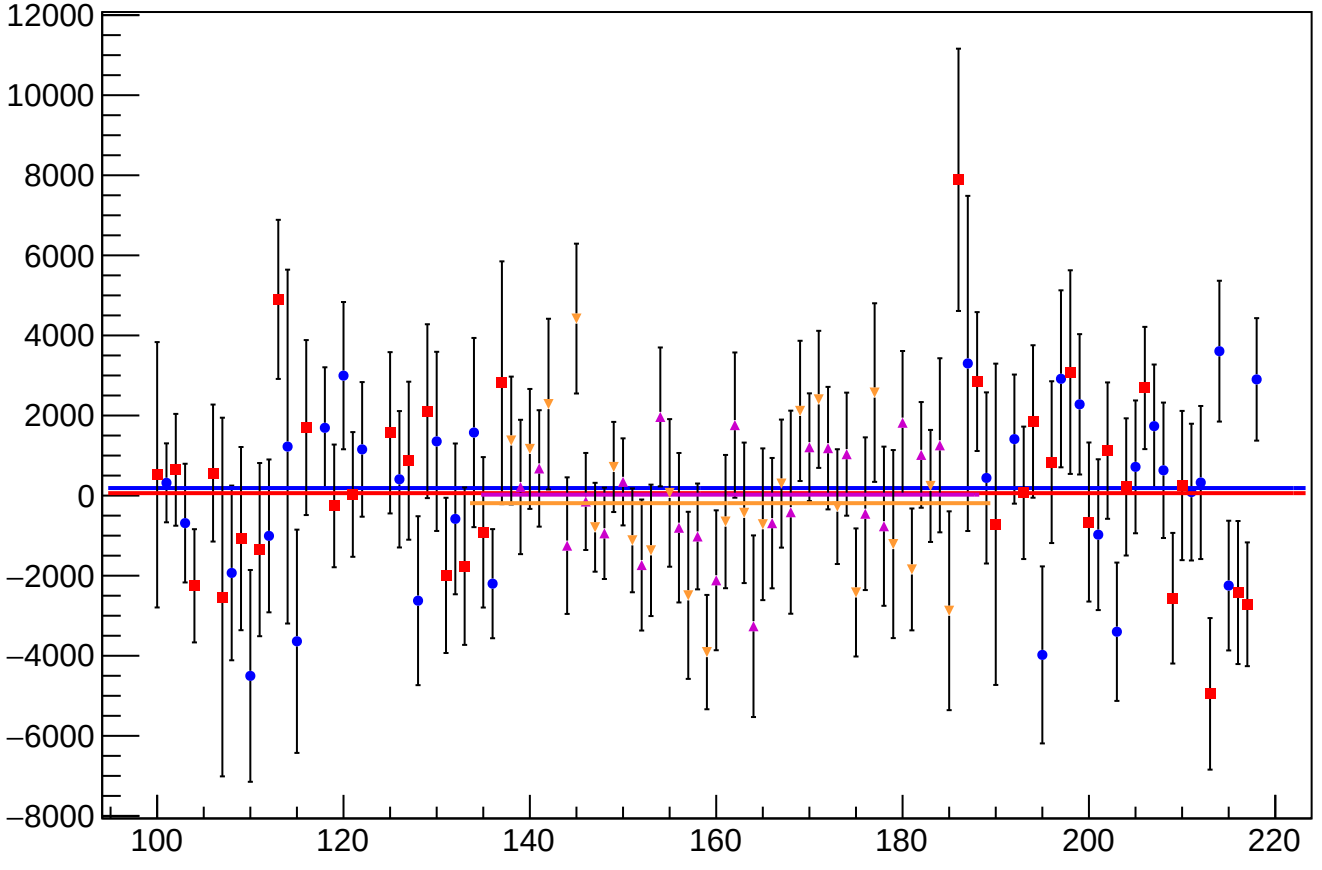
Left In: 779.575+/-0.129 χ^2/NDF:4172.9/22

+ sign 775.441+/-0.088 χ^2/NDF: 23209.2/55

All: 777.184+/-0.062 χ^2/NDF: 55138.3/112

- sign 778.949+/-0.089 χ^2/NDF: 31140.1/56

asym_us_avg_reg_correction_mean vs Slug



Right In: 188.799+/-315.534 χ^2/NDF: 38.8/31

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

Right Out: 61.229+/-326.056 χ^2/NDF: 44.2/33

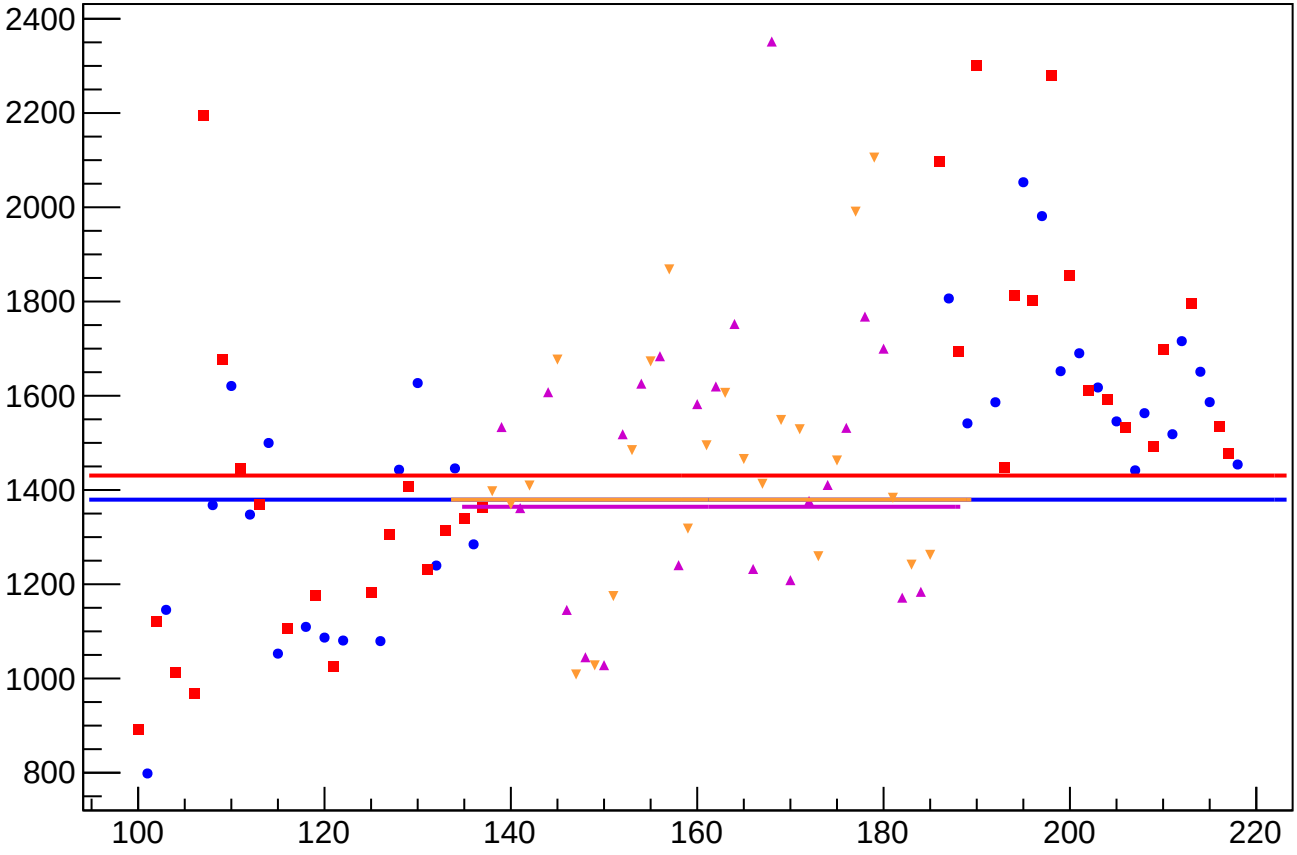
Left In: 23.750+/-325.809 χ^2/NDF:13.5/22

\+ sign 7.025+/-227.287 χ^2/NDF: 69.1/55

All: 24.504+/-161.830 χ^2/NDF: 126.8/112

\- sign 42.475+/-230.469 χ^2/NDF: 57.7/56

asym_us_avg_reg_correction_rms vs Slug



Right In: 1379.508+/-0.223 χ^2/NDF: 1826086.1/31

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

Right Out: 1430.678+/-0.231 χ^2/NDF: 1725673.5/33

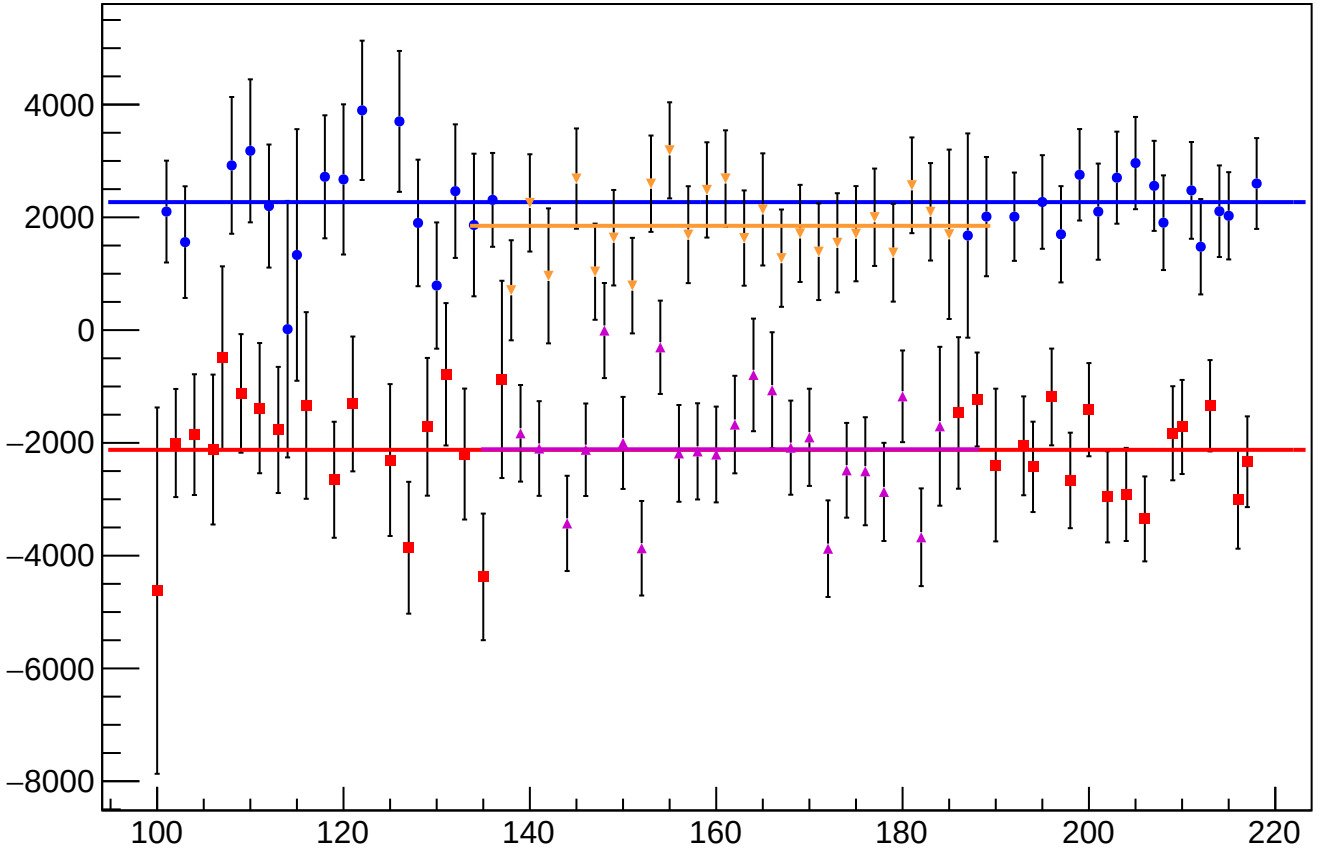
Left In: 1364.412+/-0.230 χ^2/NDF:1312299.5/22

+ sign 1379.522+/-0.161 χ^2/NDF: 2984554.6/55

All: 1388.396+/-0.114 χ^2/NDF: 6070047.2/11

- sign 1397.520+/-0.163 χ^2/NDF: 3079309.1/56

cor_asym_us_avg_mean vs Slug



Right In: 2269.929+/-171.830 χ^2/NDF: 11.5/31

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

Right Out: -2123.277+/-172.735 χ^2/NDF: 23.0/33

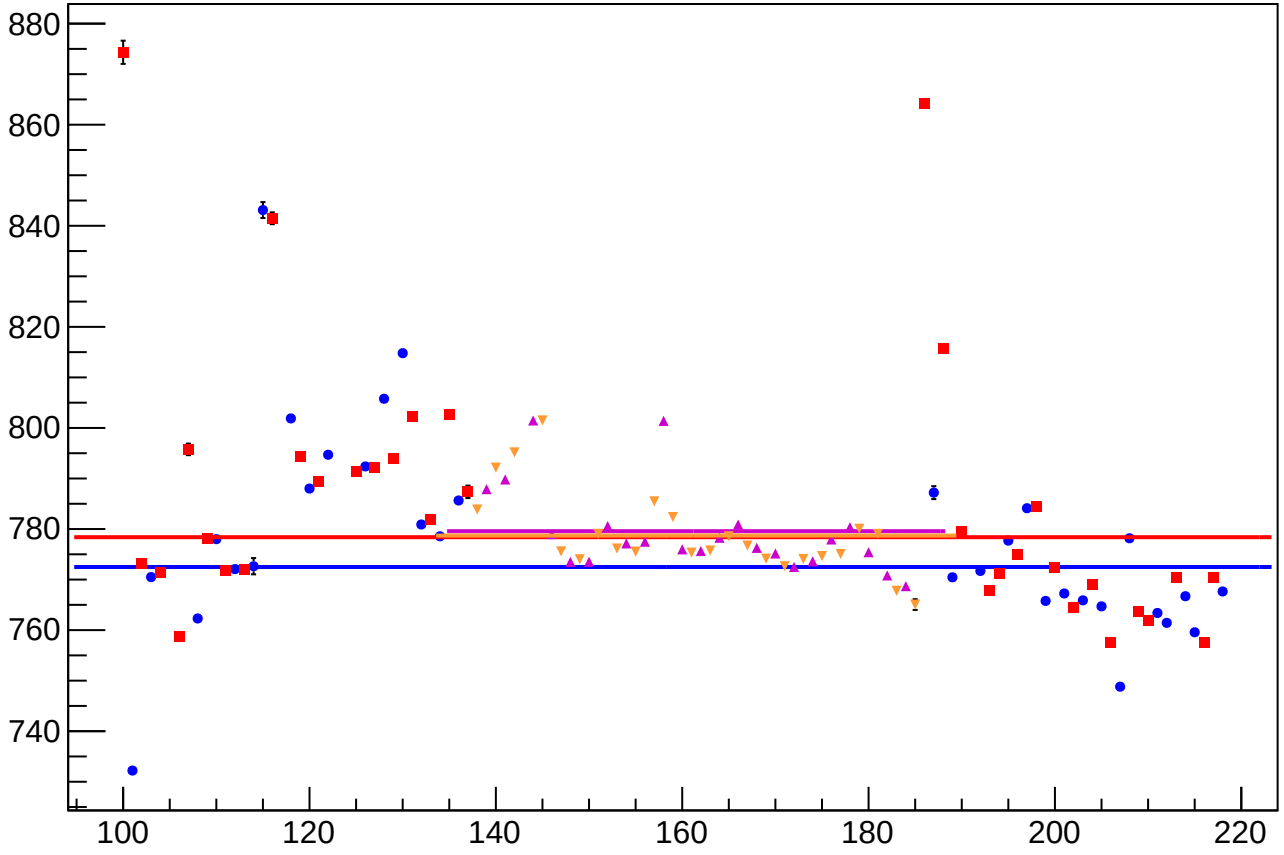
Left In: -2114.442+/-182.028 χ^2/NDF:31.1/22

+ sign 2070.375+/-124.533 χ^2/NDF: 27.2/55

All: -11.518+/-88.327 χ^2/NDF: 643.6/112

- sign -2119.091+/-125.298 χ^2/NDF: 54.0/56

cor_asym_us_avg_rms vs Slug



Right In: 772.487+/-0.122 χ^2/NDF: 18574.7/31

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

Right Out: 778.386+/-0.122 χ^2/NDF: 26922.3/33

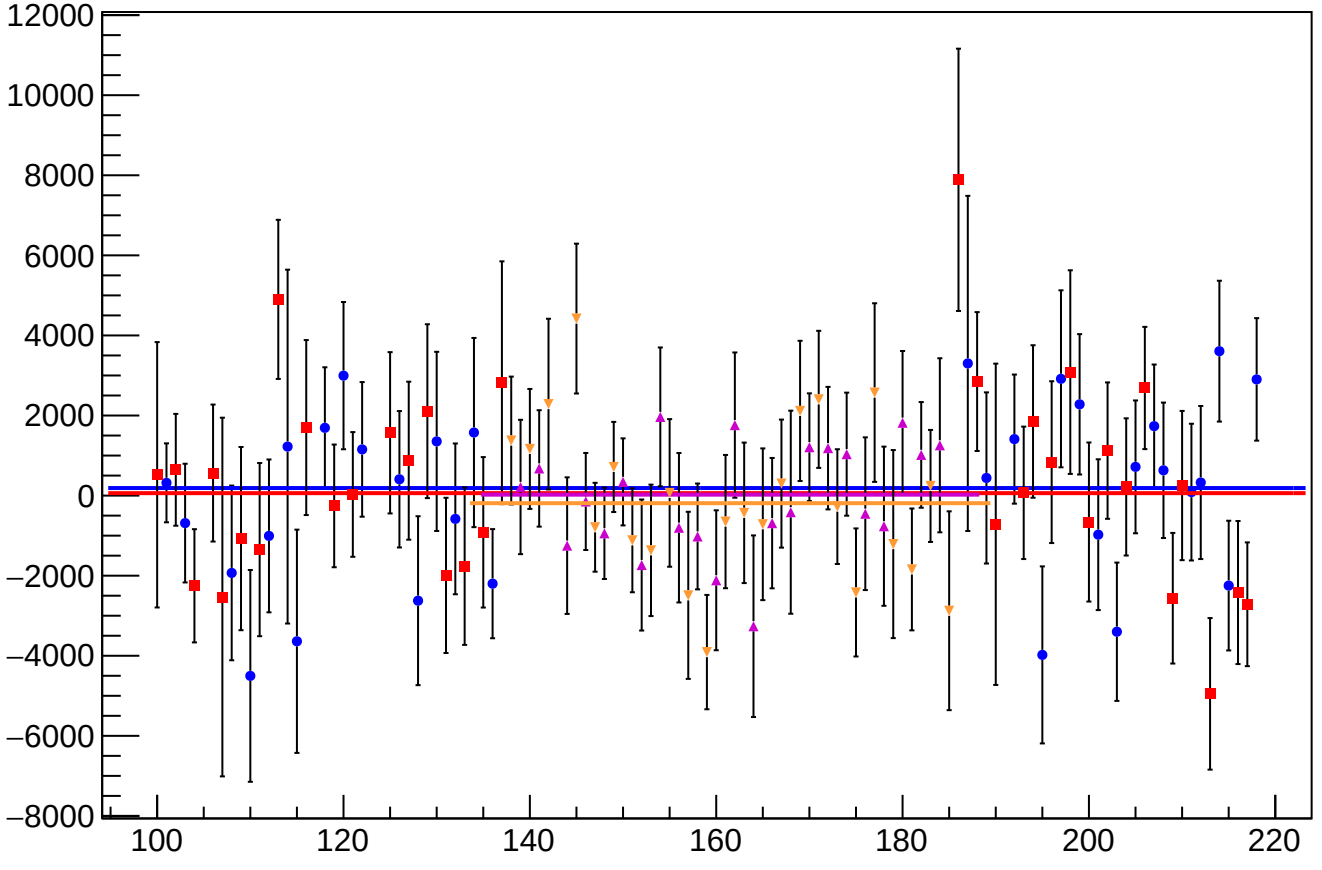
Left In: 779.575+/-0.129 χ^2/NDF:4172.9/22

\+ sign 775.441+/-0.088 χ^2/NDF: 23209.2/55

All: 777.184+/-0.062 χ^2/NDF: 55138.3/112

\- sign 778.949+/-0.089 χ^2/NDF: 31140.1/56

asym_us_avg_cor_correction_mean vs Slug



Right In: 188.799+/-315.534 χ^2/NDF: 38.8/31

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

Right Out: 61.229+/-326.056 χ^2/NDF: 44.2/33

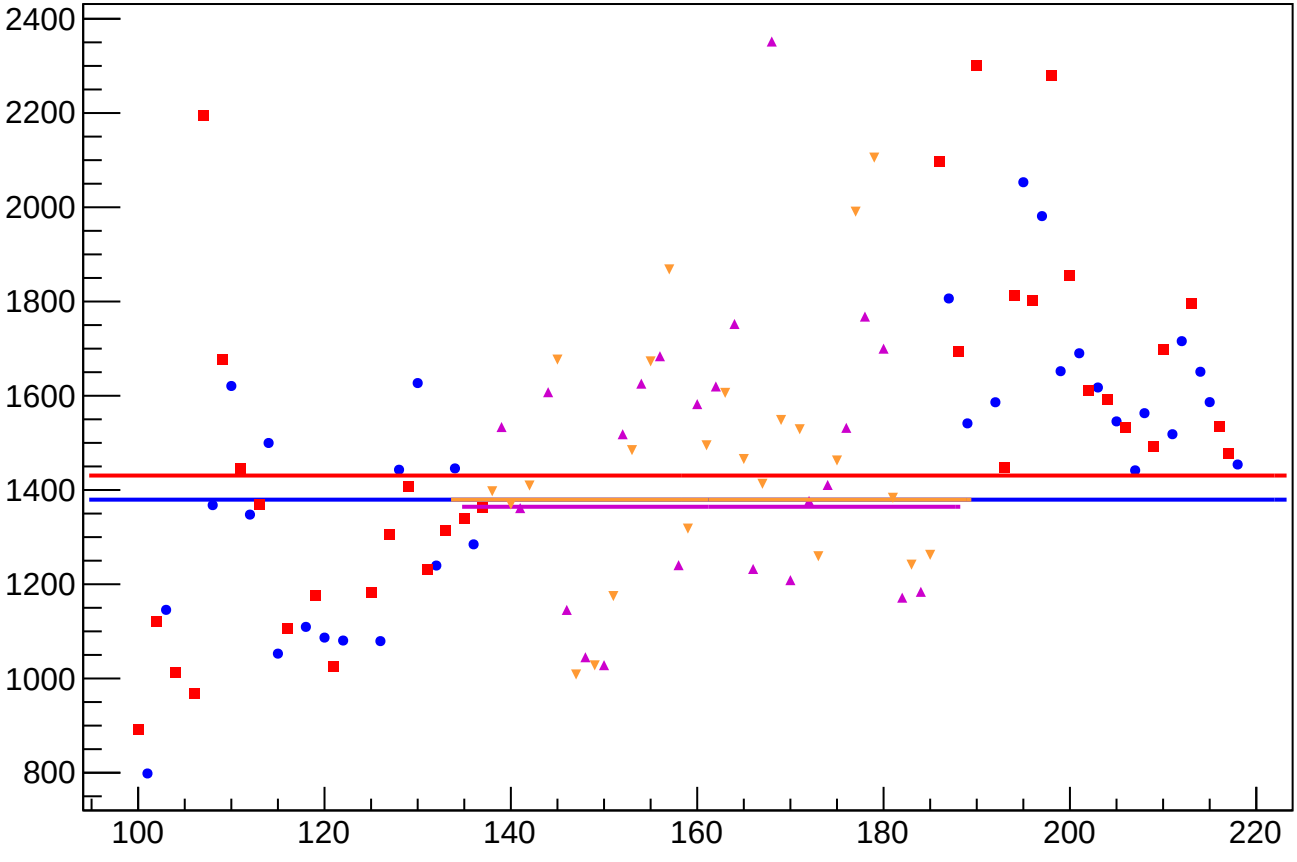
Left In: 23.750+/-325.809 χ^2/NDF:13.5/22

+ sign 7.025+/-227.287 χ^2/NDF: 69.1/55

All: 24.504+/-161.830 χ^2/NDF: 126.8/112

- sign 42.475+/-230.469 χ^2/NDF: 57.7/56

asym_us_avg_cor_correction_rms vs Slug



Right In: 1379.508+/-0.223 χ^2/NDF: 1826086.1/31

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

Right Out: 1430.678+/-0.231 χ^2/NDF: 1725673.5/33

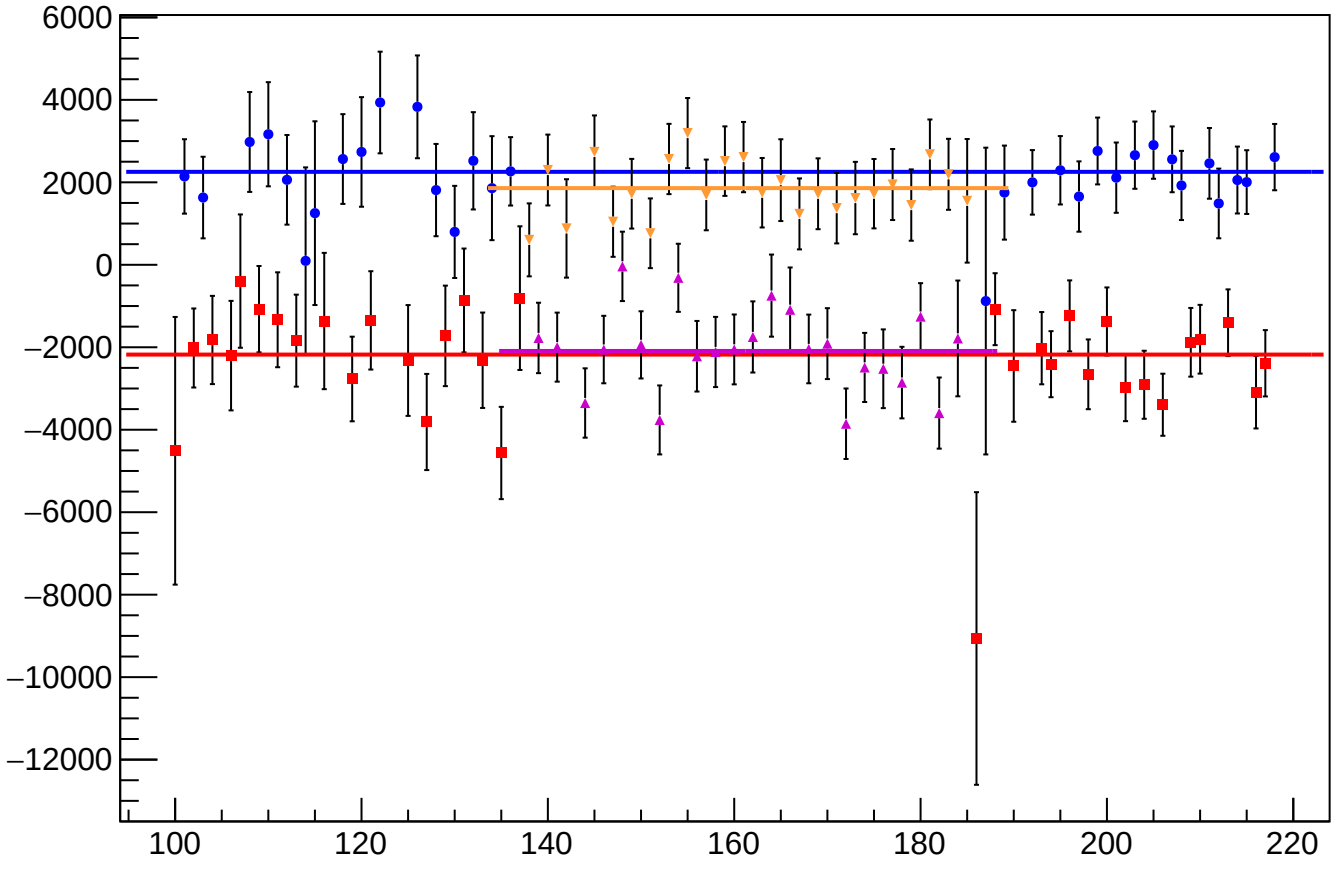
Left In: 1364.412+/-0.230 χ^2/NDF:1312299.5/22

+ sign 1379.522+/-0.161 χ^2/NDF: 2984554.6/55

All: 1388.396+/-0.114 χ^2/NDF: 6070047.2/11

- sign 1397.520+/-0.163 χ^2/NDF: 3079309.1/56

overload_cor_asym_us_avg_mean vs Slug



Right In: 2254.494+/-172.490 χ^2/NDF: 12.5/31

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

Right Out: -2177.359+/-174.090 χ^2/NDF: 27.8/33

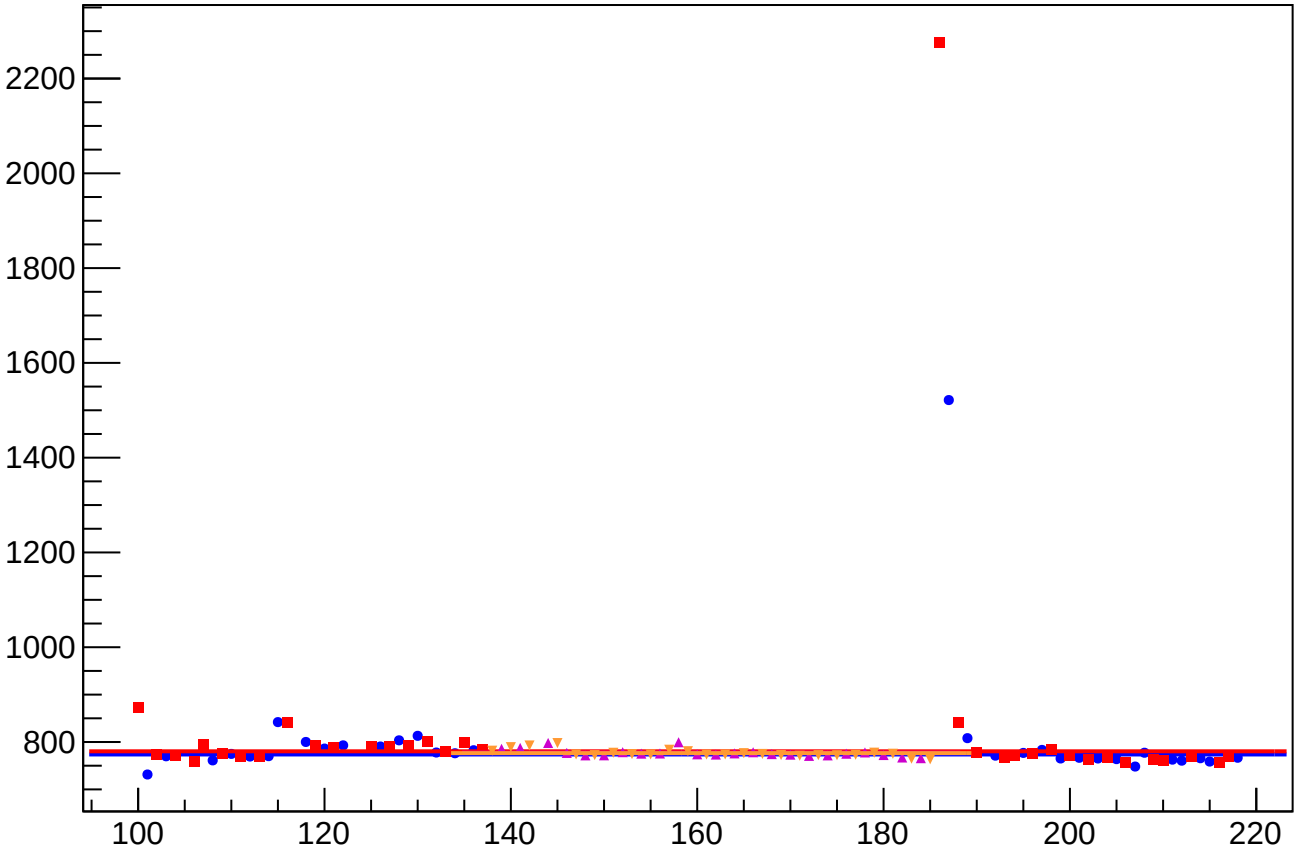
Left In: -2089.493+/-181.523 χ^2/NDF:29.6/22

+ sign 2065.674+/-124.616 χ^2/NDF: 28.5/55

All: -17.503+/-88.478 χ^2/NDF: 649.6/112

- sign -2135.261+/-125.646 χ^2/NDF: 57.5/56

overload_cor_asym_us_avg_rms vs Slug



Right In: 773.705+/-0.122 χ^2/NDF: 100721.2/31

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

Right Out: 780.380+/-0.123 χ^2/NDF: 381008.1/33

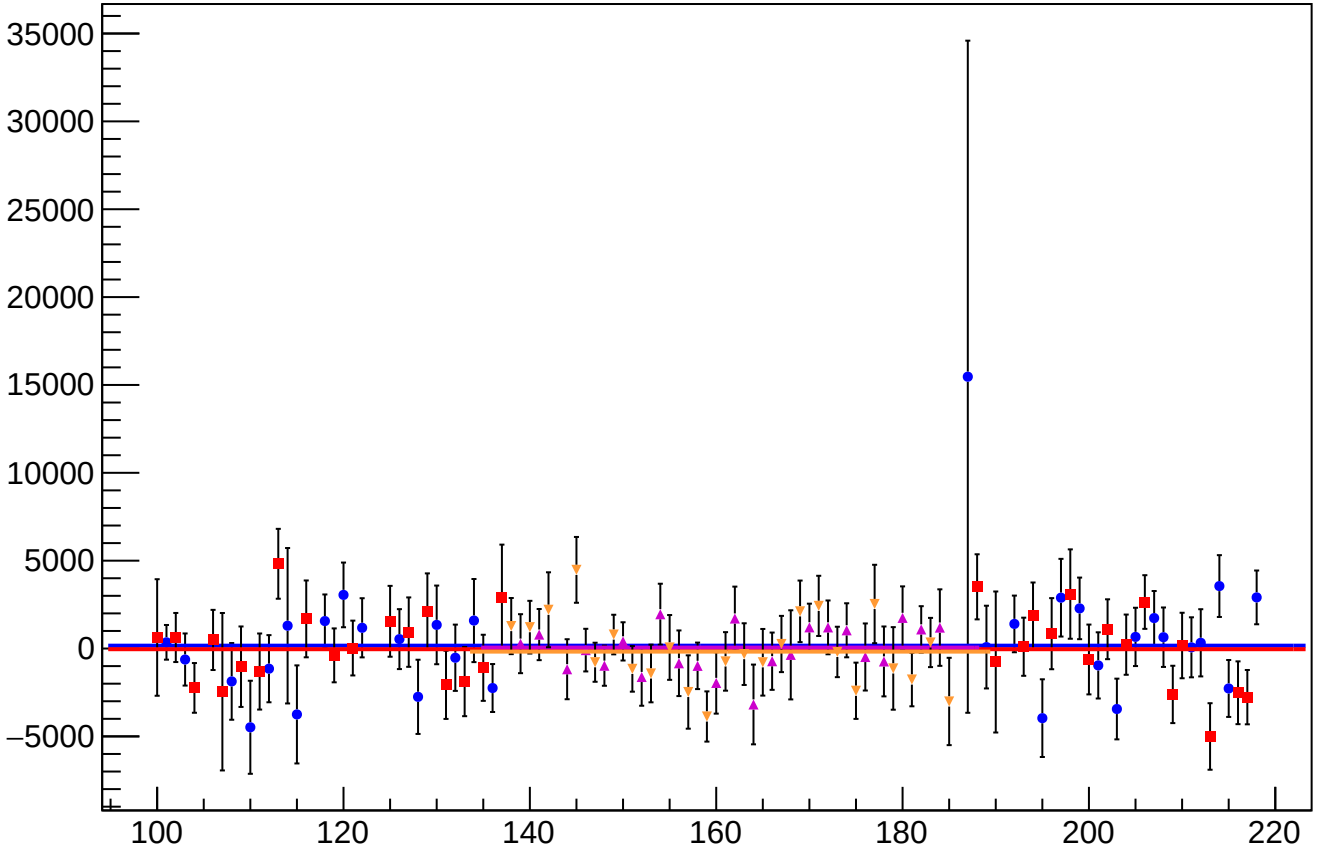
Left In: 777.413+/-0.128 χ^2/NDF:4062.1/22

+ sign 775.052+/-0.088 χ^2/NDF: 104113.5/55

All: 776.989+/-0.063 χ^2/NDF: 490436.6/112

- sign 778.958+/-0.089 χ^2/NDF: 385348.6/56

asym_us_avg_overload_cor_correction_mean vs Slug



Right In: 162.742+/-317.201 χ^2/NDF: 39.1/31

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

Right Out: -38.075+/-328.601 χ^2/NDF: 39.8/32

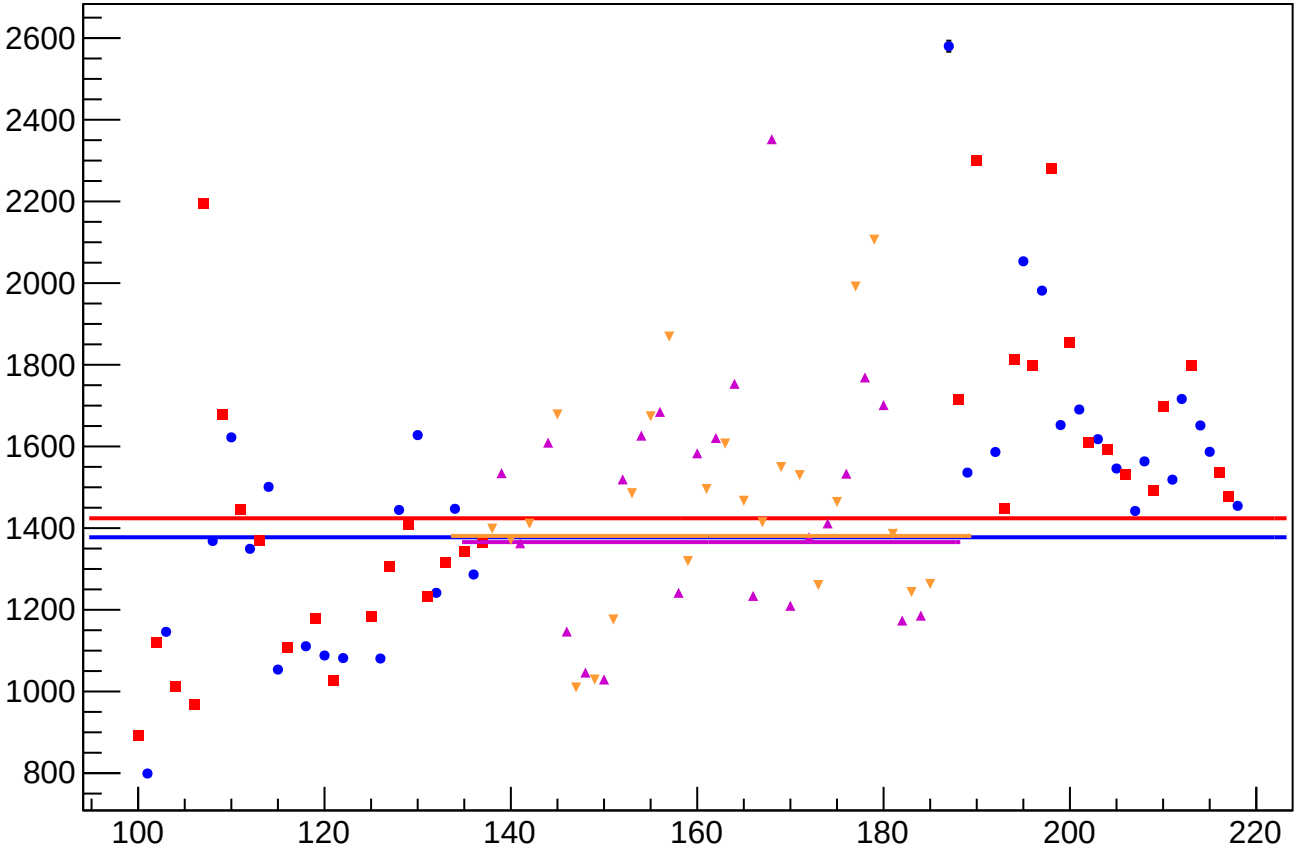
Left In: 52.820+/-326.124 χ^2/NDF:13.0/22

+ sign -0.449+/-228.014 χ^2/NDF: 69.3/55

All: 3.572+/-162.440 χ^2/NDF: 122.1/111

- sign 7.716+/-231.475 χ^2/NDF: 52.8/55

asym_us_avg_overload_cor_correction_rms vs Slug



Right In: 1377.623+/-0.224 χ^2/NDF: 1805210.4/31

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

Right Out: 1424.135+/-0.232 χ^2/NDF: 1636145.4/32

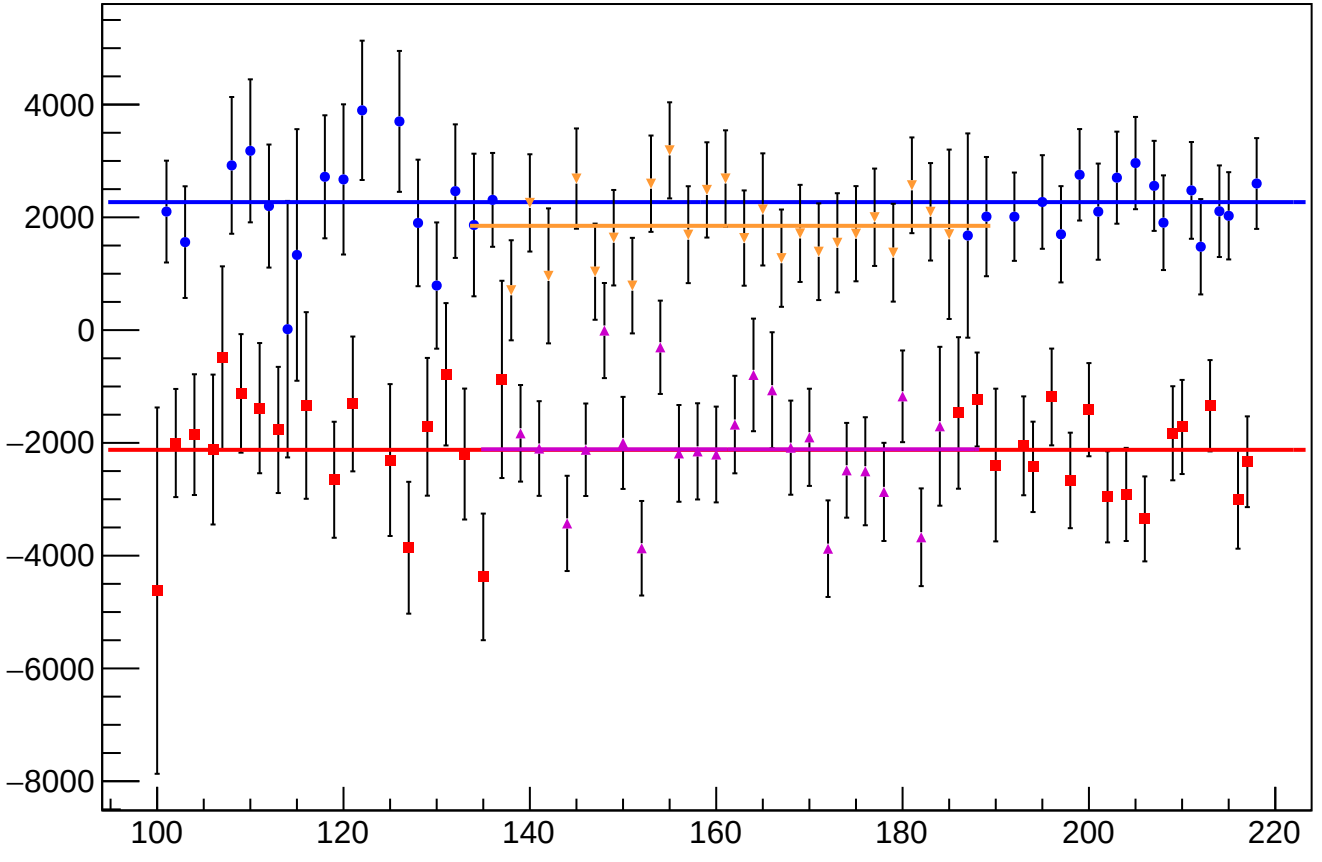
Left In: 1365.811+/-0.231 χ^2/NDF:1308862.5/22

+ sign 1379.232+/-0.161 χ^2/NDF: 2960754.5/55

All: 1386.875+/-0.115 χ^2/NDF: 5942066.9/11

- sign 1394.752+/-0.164 χ^2/NDF: 2976749.0/55

eigen_cor_asym_us_avg_mean vs Slug



Right In: 2269.929+/-171.830 χ^2/NDF: 11.5/31

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

Right Out: -2123.277+/-172.735 χ^2/NDF: 23.0/33

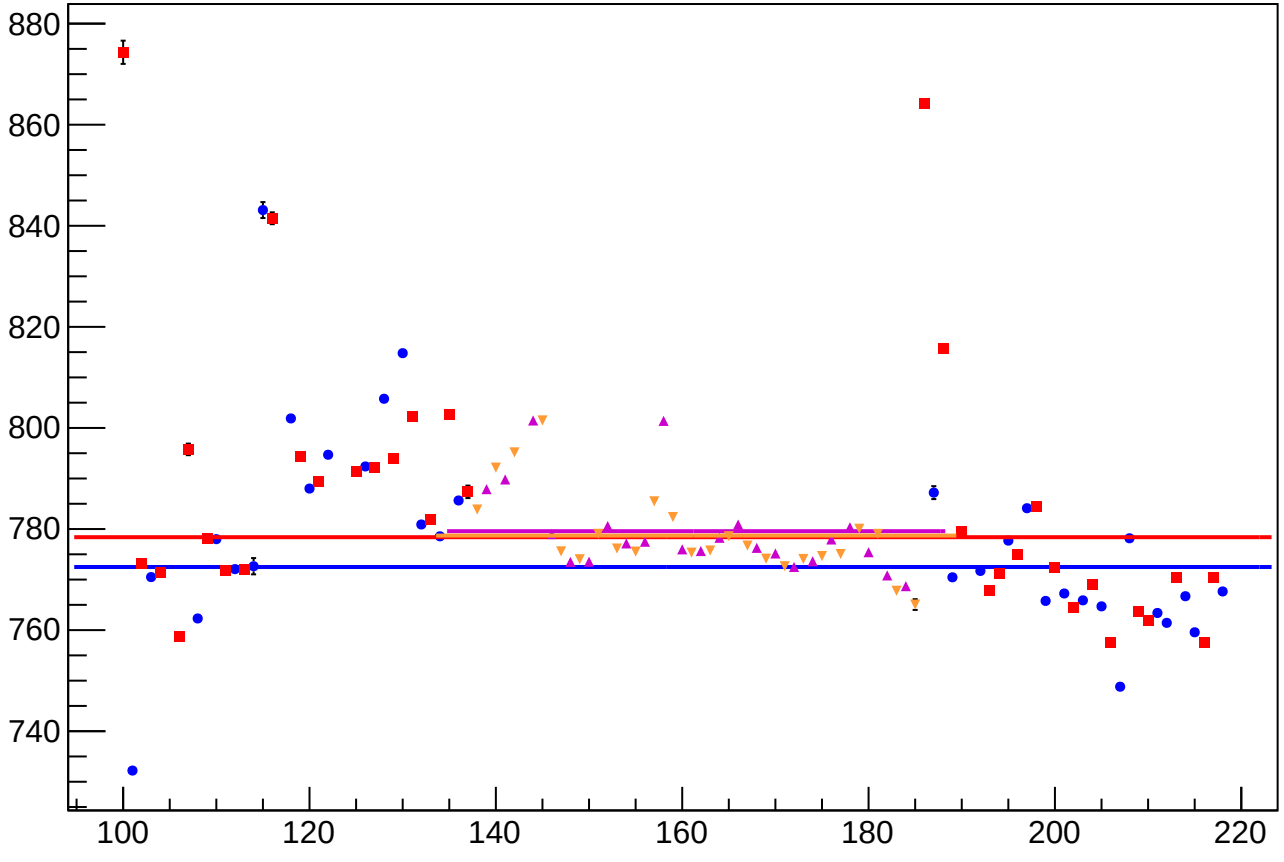
Left In: -2114.442+/-182.028 χ^2/NDF:31.1/22

+ sign 2070.375+/-124.533 χ^2/NDF: 27.2/55

All: -11.518+/-88.327 χ^2/NDF: 643.6/112

- sign -2119.091+/-125.298 χ^2/NDF: 54.0/56

eigen_cor_asym_us_avg_rms vs Slug



Right In: 772.487+/-0.122 χ^2/NDF: 18574.7/31

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

Right Out: 778.386+/-0.122 χ^2/NDF: 26922.3/33

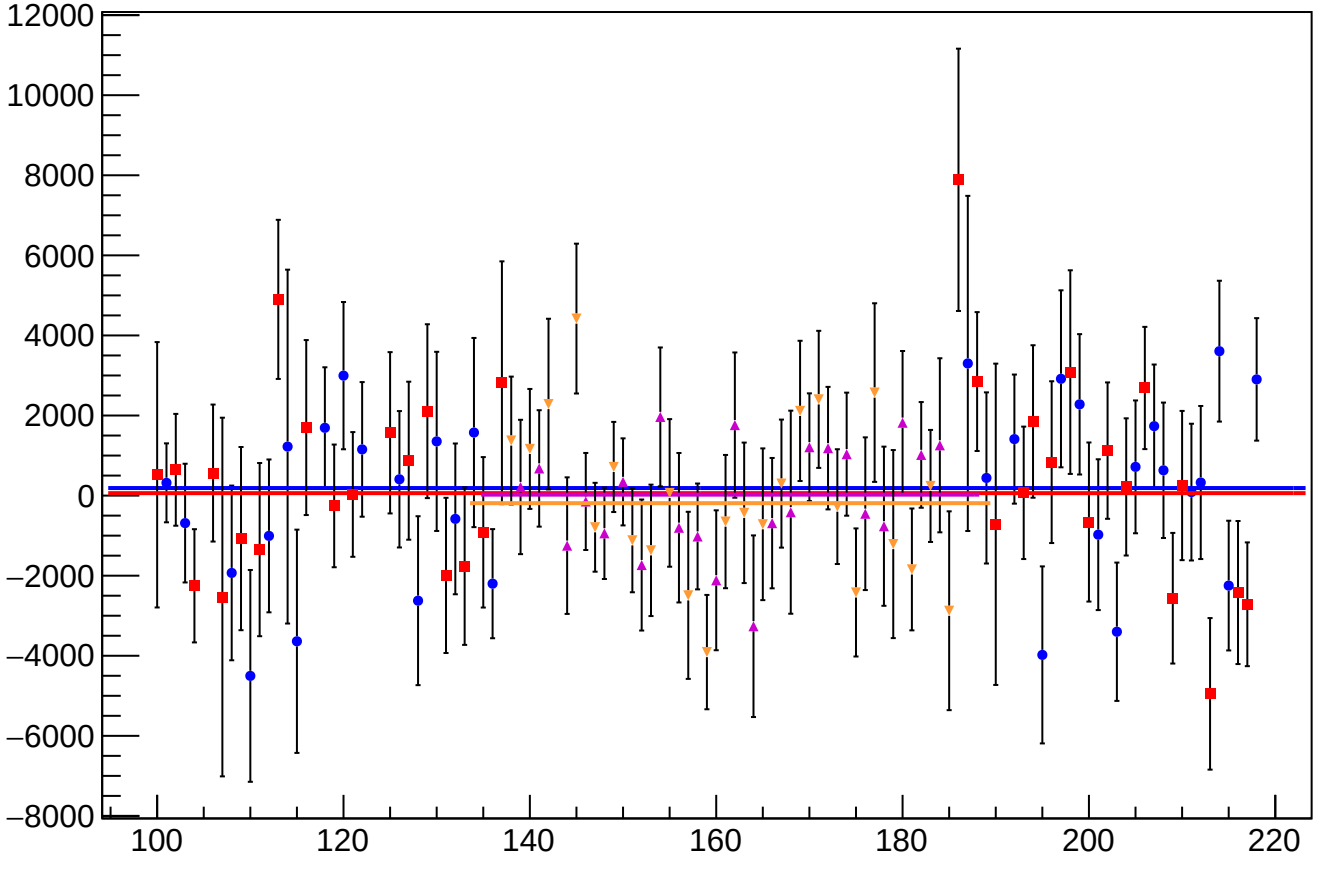
Left In: 779.575+/-0.129 χ^2/NDF:4172.9/22

+ sign 775.441+/-0.088 χ^2/NDF: 23209.2/55

All: 777.184+/-0.062 χ^2/NDF: 55138.3/112

- sign 778.949+/-0.089 χ^2/NDF: 31140.1/56

asym_us_avg_eigen_cor_correction_mean vs Slug



Right In: 188.799+/-315.534 χ^2/NDF: 38.8/31

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

Right Out: 61.229+/-326.056 χ^2/NDF: 44.2/33

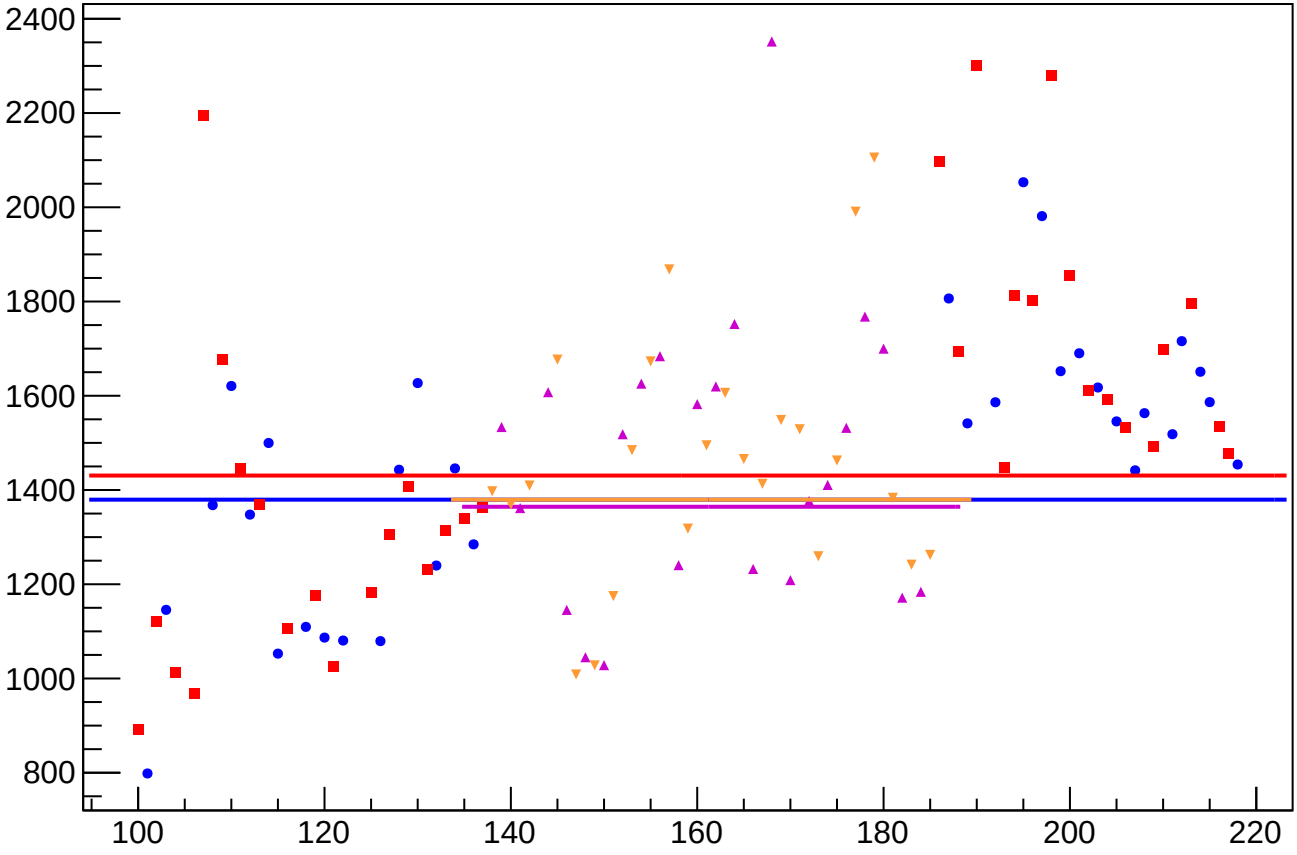
Left In: 23.750+/-325.809 χ^2/NDF:13.5/22

+ sign 7.025+/-227.287 χ^2/NDF: 69.1/55

All: 24.504+/-161.830 χ^2/NDF: 126.8/112

- sign 42.475+/-230.469 χ^2/NDF: 57.7/56

asym_us_avg_eigen_cor_correction_rms vs Slug



Right In: 1379.508+/-0.223 χ^2/NDF: 1826086.1/31

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

Right Out: 1430.678+/-0.231 χ^2/NDF: 1725673.5/33

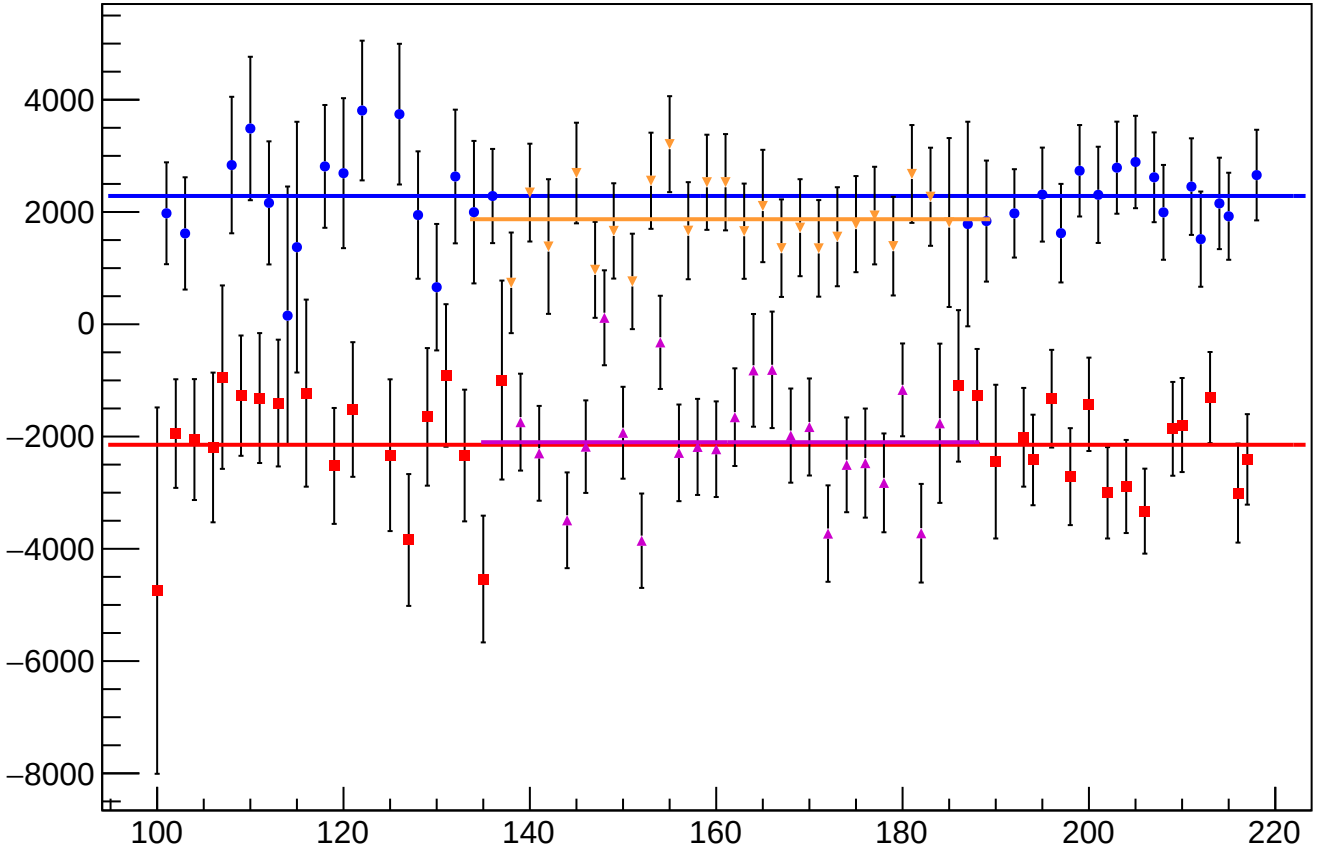
Left In: 1364.412+/-0.230 χ^2/NDF:1312299.5/22

+ sign 1379.522+/-0.161 χ^2/NDF: 2984554.6/55

All: 1388.396+/-0.114 χ^2/NDF: 6070047.2/11

- sign 1397.520+/-0.163 χ^2/NDF: 3079309.1/56

dit_asym_us_avg_mean vs Slug



Right In: 2285.672+/-172.887 χ^2/NDF: 12.0/31

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

Right Out: -2146.804+/-173.803 χ^2/NDF: 22.4/33

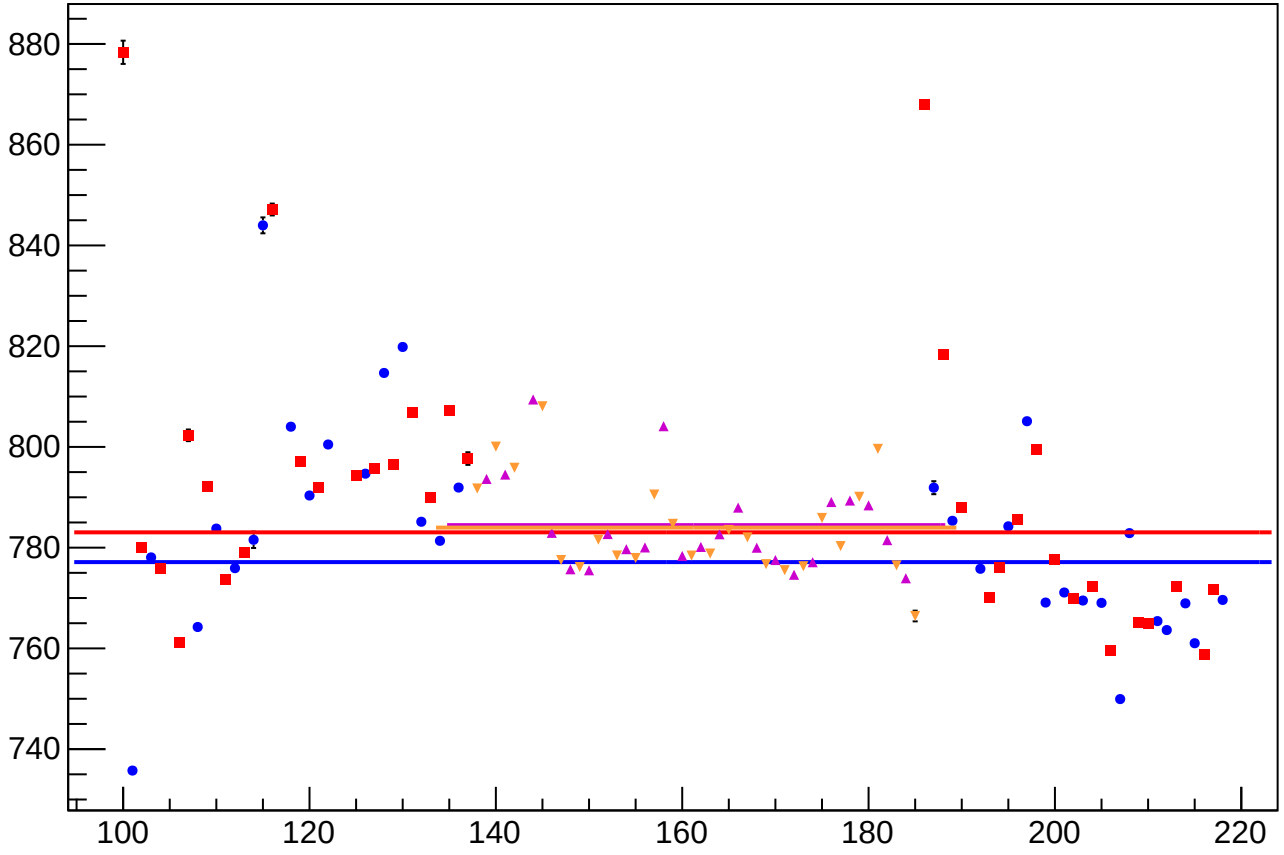
Left In: -2101.047+/-183.179 χ^2/NDF:31.8/22

+ sign 2089.167+/-125.340 χ^2/NDF: 27.2/55

All: -5.542+/-88.890 χ^2/NDF: 643.3/112

- sign -2125.126+/-126.082 χ^2/NDF: 54.2/56

dit_asym_us_avg_rms vs Slug



Right In: 777.132+/-0.122 χ^2/NDF: 22150.5/31

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

Right Out: 783.041+/-0.123 χ^2/NDF: 28642.3/33

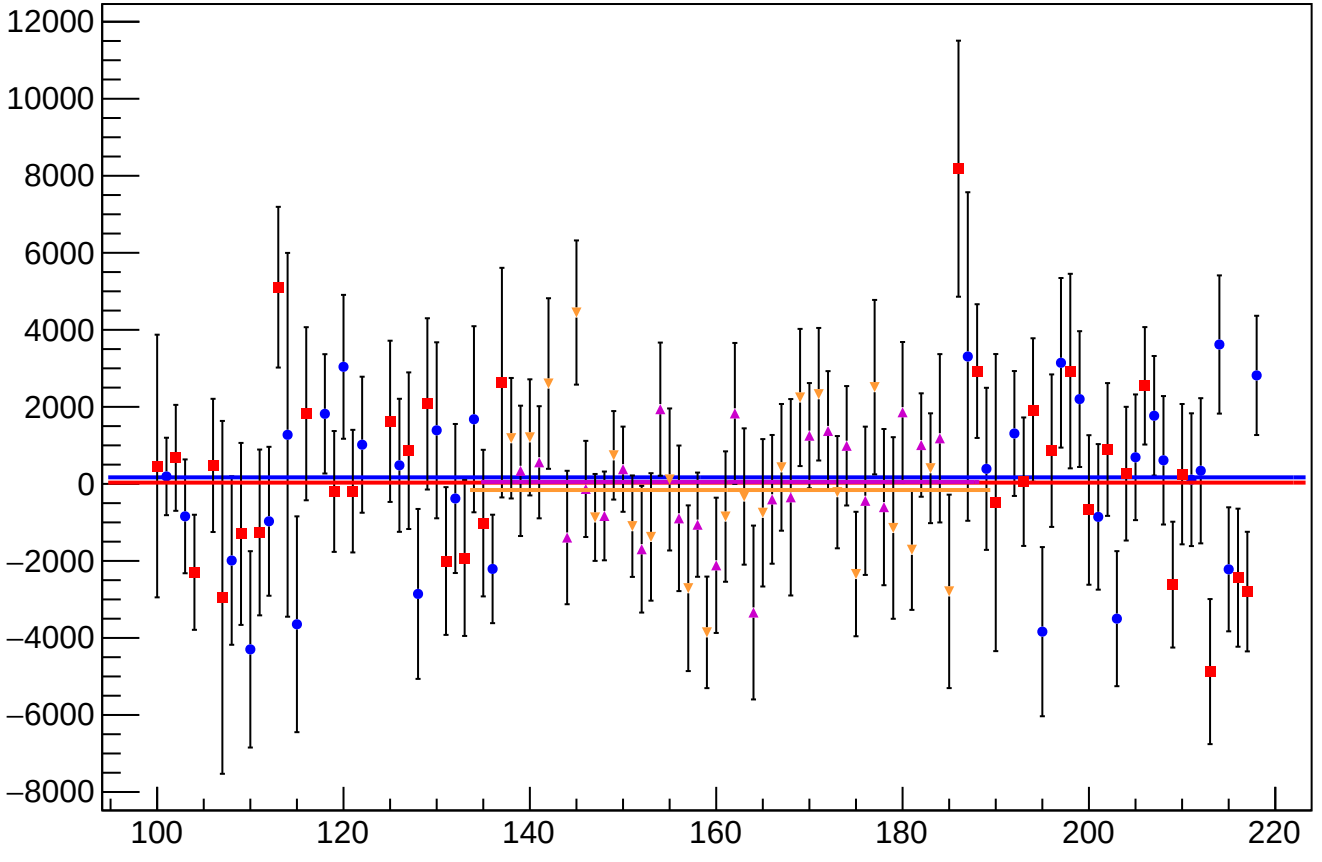
Left In: 784.473+/-0.130 χ^2/NDF:4927.7/22

+ sign 780.381+/-0.089 χ^2/NDF: 28567.8/55

All: 782.041+/-0.063 χ^2/NDF: 62907.1/112

- sign 783.719+/-0.089 χ^2/NDF: 33634.3/56

asym_us_avg_dit_correction_mean vs Slug



Right In: 169.957+/-318.925 χ^2/NDF: 38.3/31

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

Right Out: 32.891+/-328.940 χ^2/NDF: 44.2/33

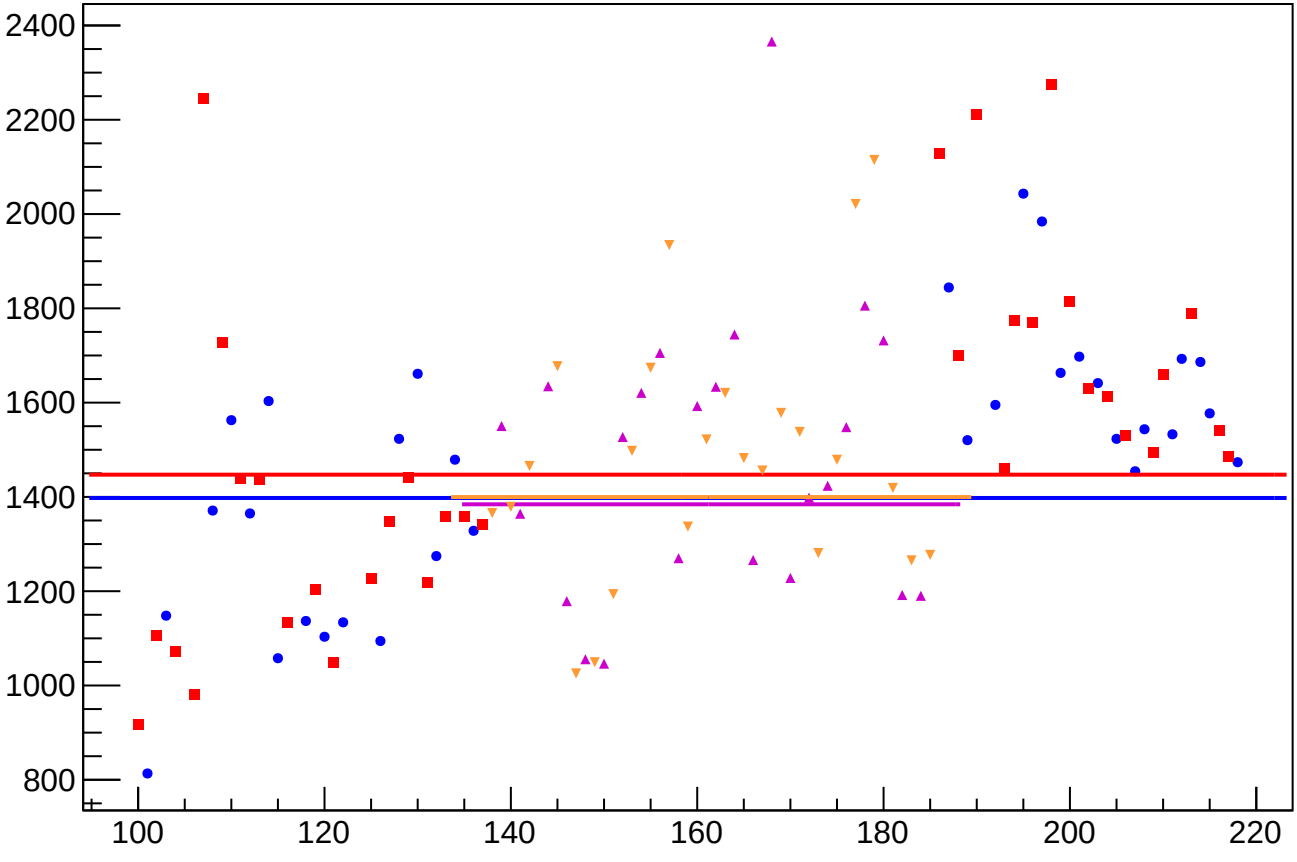
Left In: 51.975+/-330.206 χ^2/NDF:13.4/22

+ sign 12.046+/-230.061 χ^2/NDF: 67.9/55

All: 27.026+/-163.721 χ^2/NDF: 125.6/112

- sign 42.396+/-233.042 χ^2/NDF: 57.6/56

asym_us_avg_dit_correction_rms vs Slug



Right In: 1397.756+/-0.226 χ^2/NDF: 1715737.9/31

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

Right Out: 1447.185+/-0.233 χ^2/NDF: 1564443.9/33

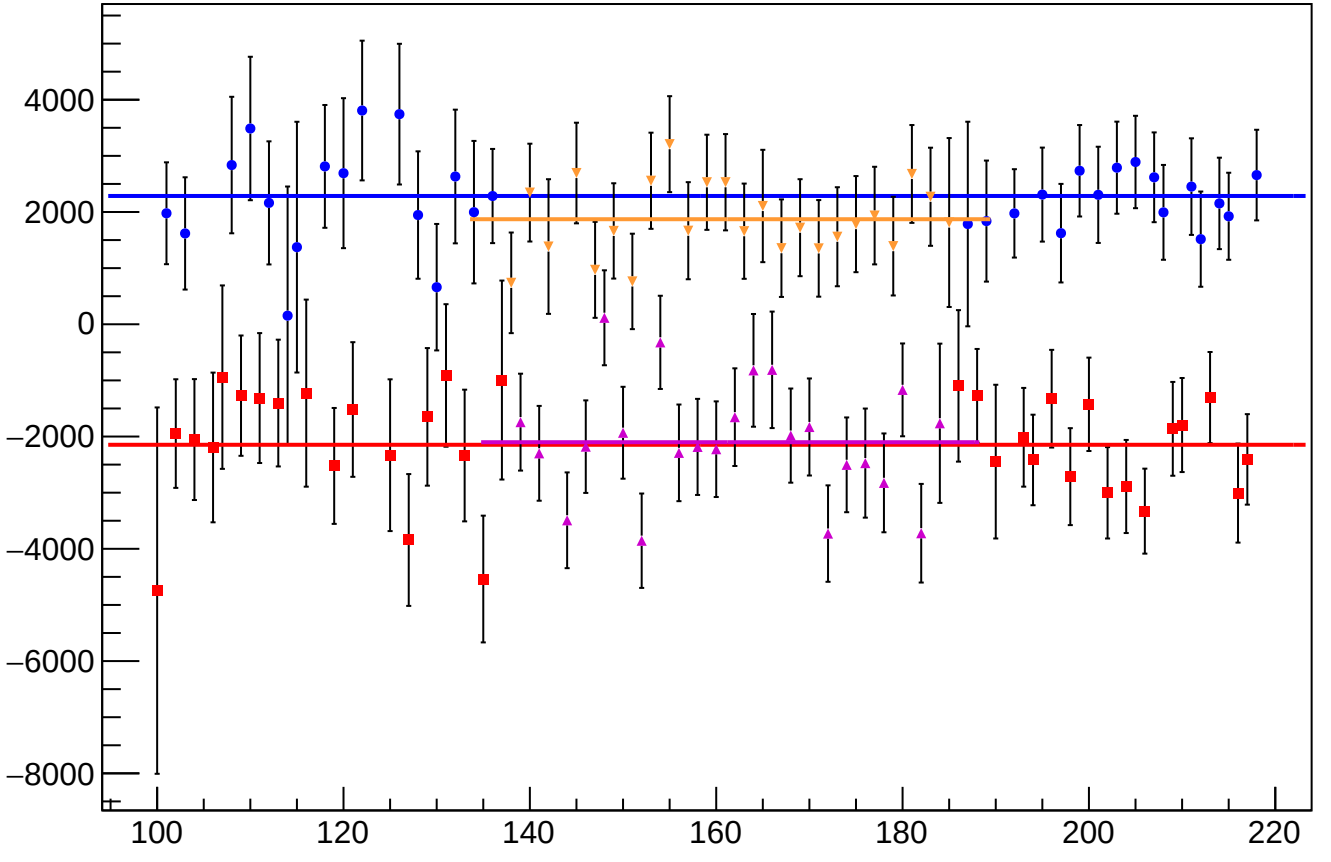
Left In: 1384.333+/-0.233 χ^2/NDF:1269936.6/22

+ sign 1398.696+/-0.163 χ^2/NDF: 2852124.4/55

All: 1407.177+/-0.116 χ^2/NDF: 5728380.3/11

- sign 1415.880+/-0.165 χ^2/NDF: 2870748.9/56

eigen_dit_asym_us_avg_mean vs Slug



Right In: 2285.672+/-172.887 χ^2/NDF: 12.0/31

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

Right Out: -2146.804+/-173.803 χ^2/NDF: 22.4/33

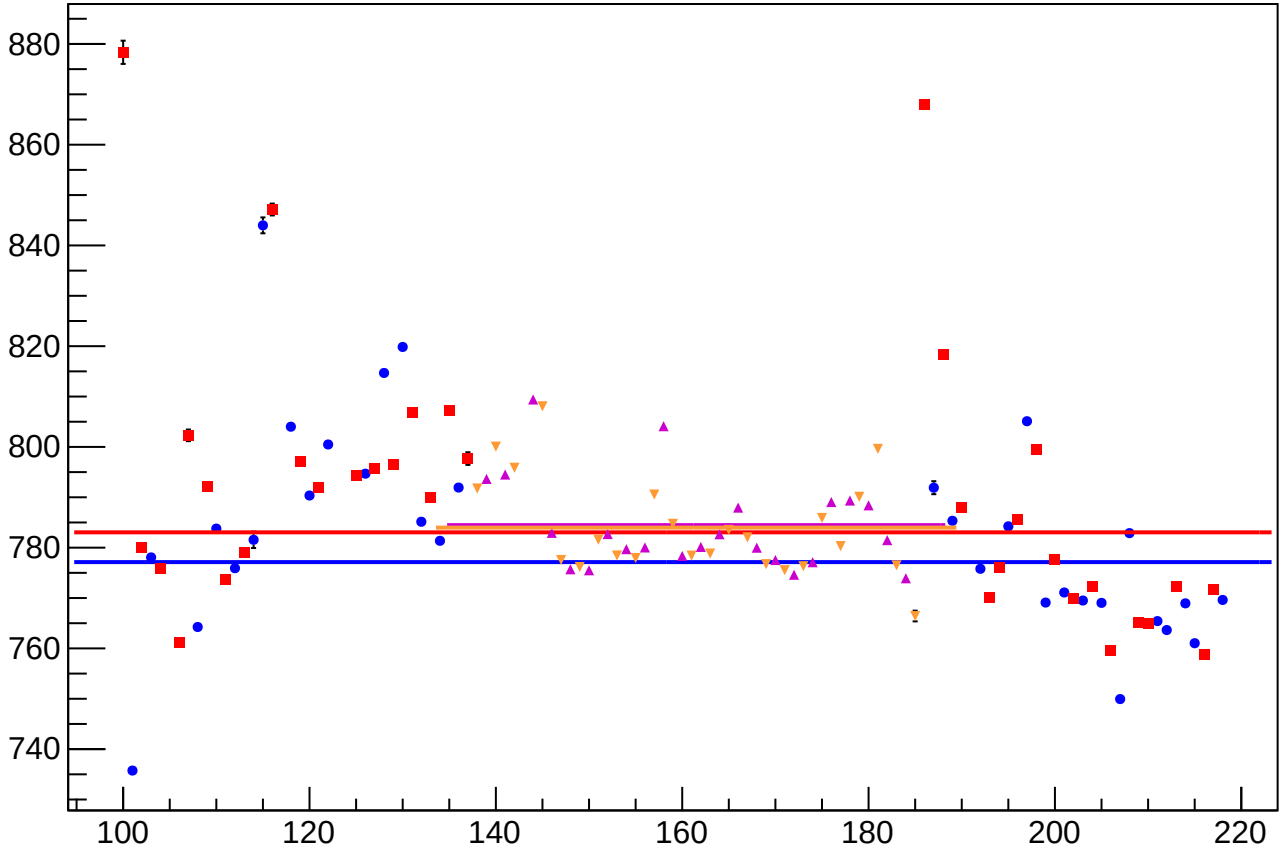
Left In: -2101.047+/-183.179 χ^2/NDF:31.8/22

+ sign 2089.166+/-125.340 χ^2/NDF: 27.2/55

All: -5.542+/-88.890 χ^2/NDF: 643.3/112

- sign -2125.127+/-126.082 χ^2/NDF: 54.2/56

eigen_dit_asym_us_avg_rms vs Slug



Right In: 777.132+/-0.122 χ^2/NDF: 22150.4/31

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

Right Out: 783.041+/-0.123 χ^2/NDF: 28642.2/33

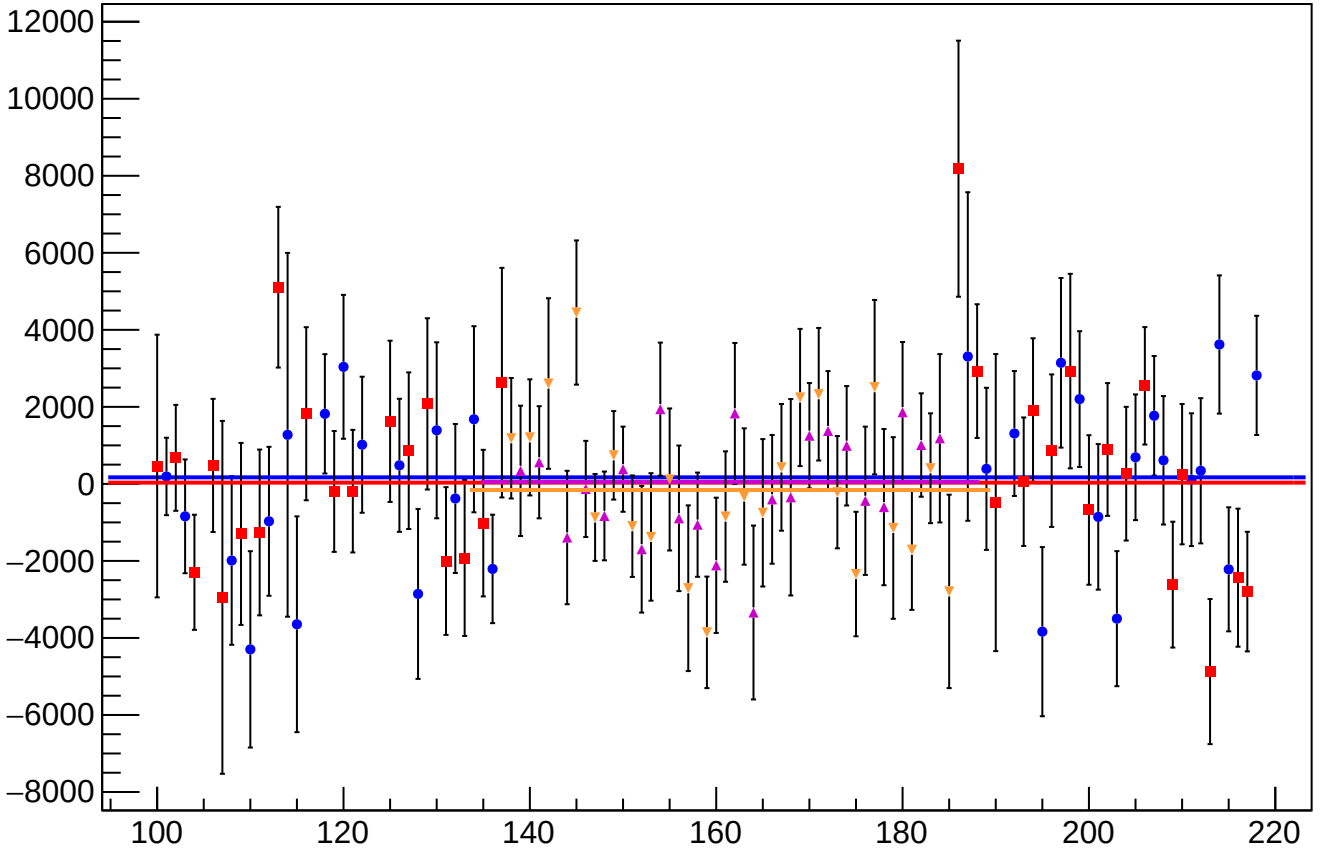
Left In: 784.473+/-0.130 χ^2/NDF:4927.7/22

+ sign 780.381+/-0.089 χ^2/NDF: 28567.7/55

All: 782.041+/-0.063 χ^2/NDF: 62906.9/112

- sign 783.719+/-0.089 χ^2/NDF: 33634.2/56

asym_us_avg_eigen_dit_correction_mean vs Slug



Right In: 169.956+/-318.925 χ^2/NDF: 38.3/31

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

Right Out: 32.889+/-328.939 χ^2/NDF: 44.2/33

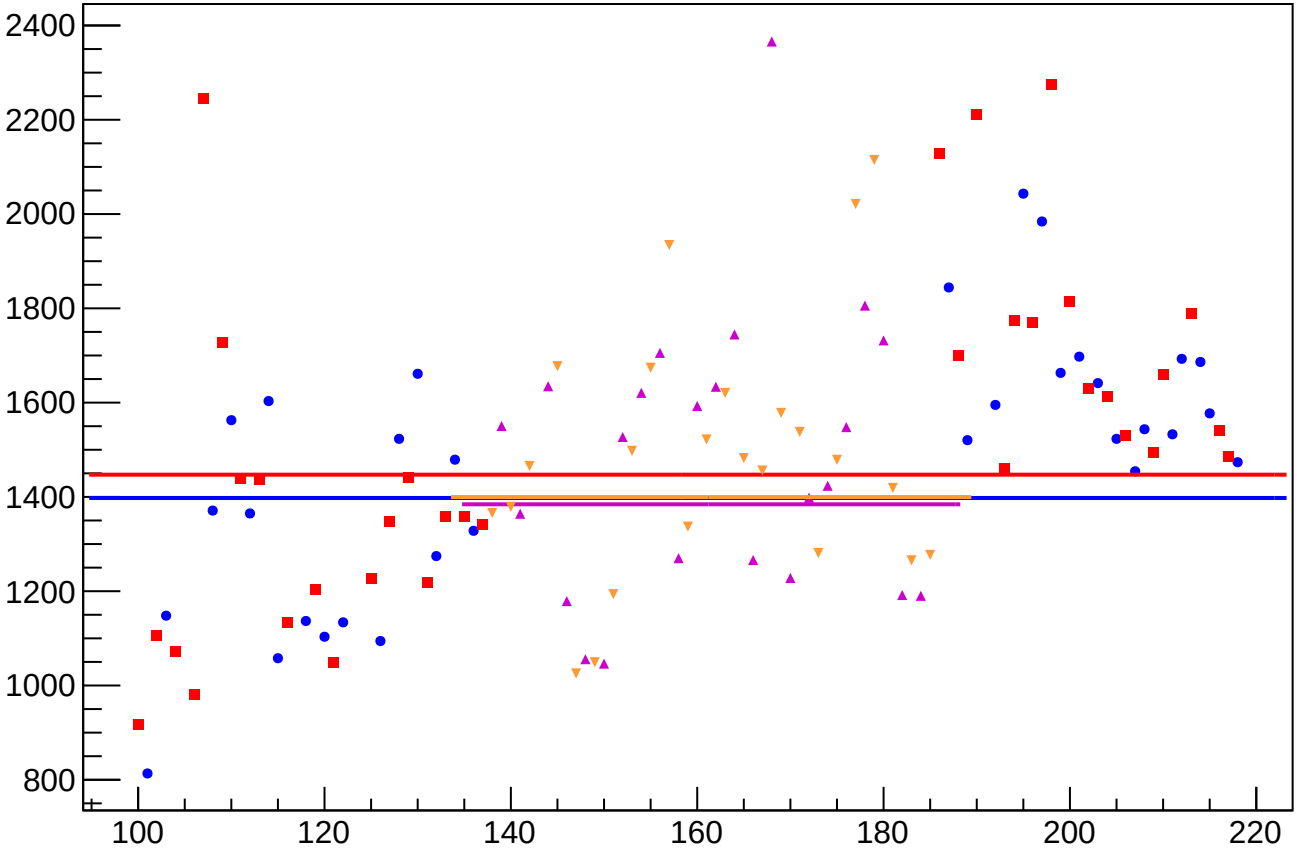
Left In: 51.975+/-330.207 χ^2/NDF:13.4/22

\+ sign 12.044+/-230.061 χ^2/NDF: 67.9/55

All: 27.025+/-163.721 χ^2/NDF: 125.6/112

\- sign 42.396+/-233.042 χ^2/NDF: 57.6/56

asym_us_avg_eigen_dit_correction_rms vs Slug



Right In: 1397.755+/-0.226 χ^2/NDF: 1715760.5/31

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

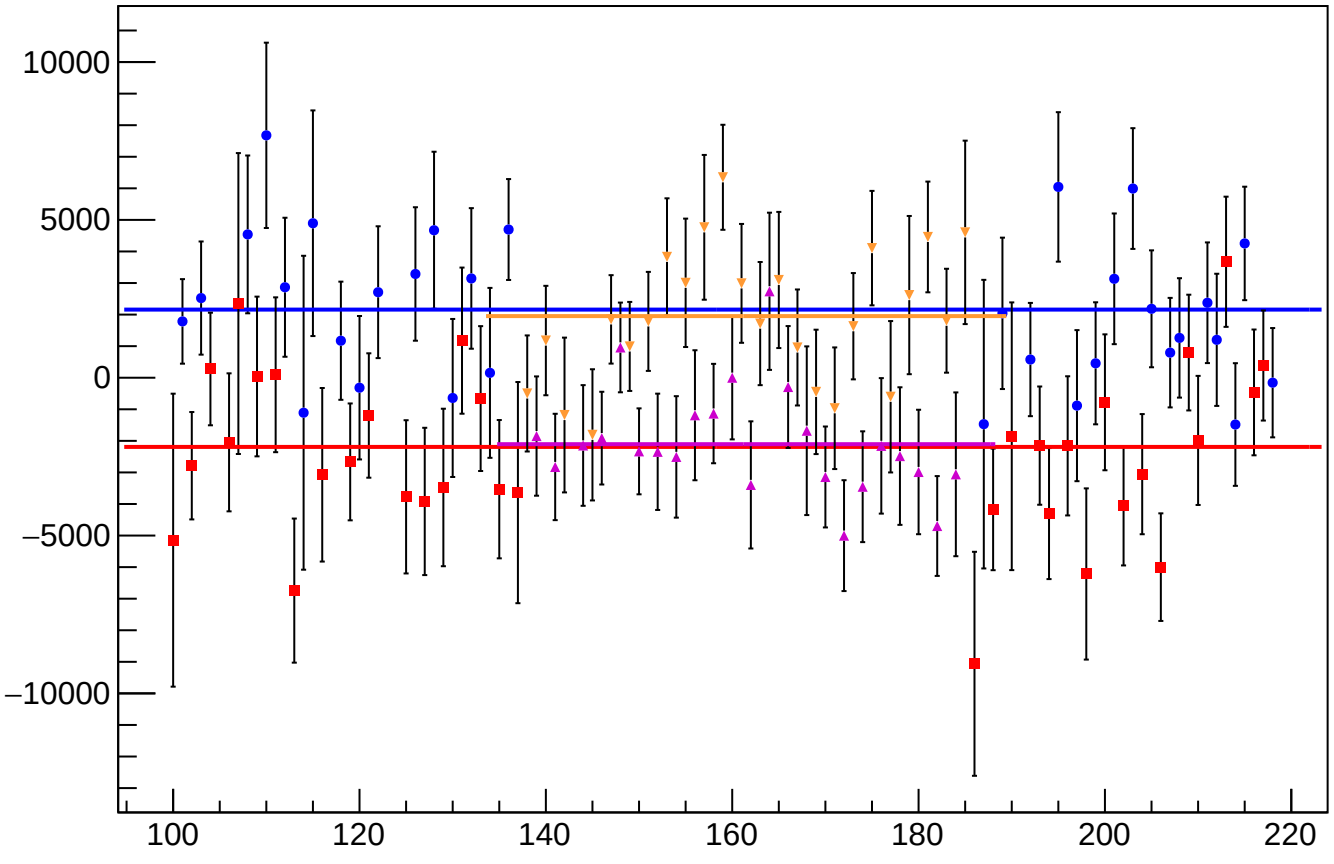
Right Out: 1447.183+/-0.233 χ^2/NDF: 1564465.7/33

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

+ sign 1398.697+/-0.163 χ^2/NDF: 2852148.2/55

All: 1407.178+/-0.116 χ^2/NDF: 5728421.4/11

- sign 1415.880+/-0.165 χ^2/NDF: 2870766.3/56



Right In: 2158.357+/-366.922 χ^2/NDF: 31.5/31

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

Right Out: -2191.787+/-376.100 χ^2/NDF: 42.1/33

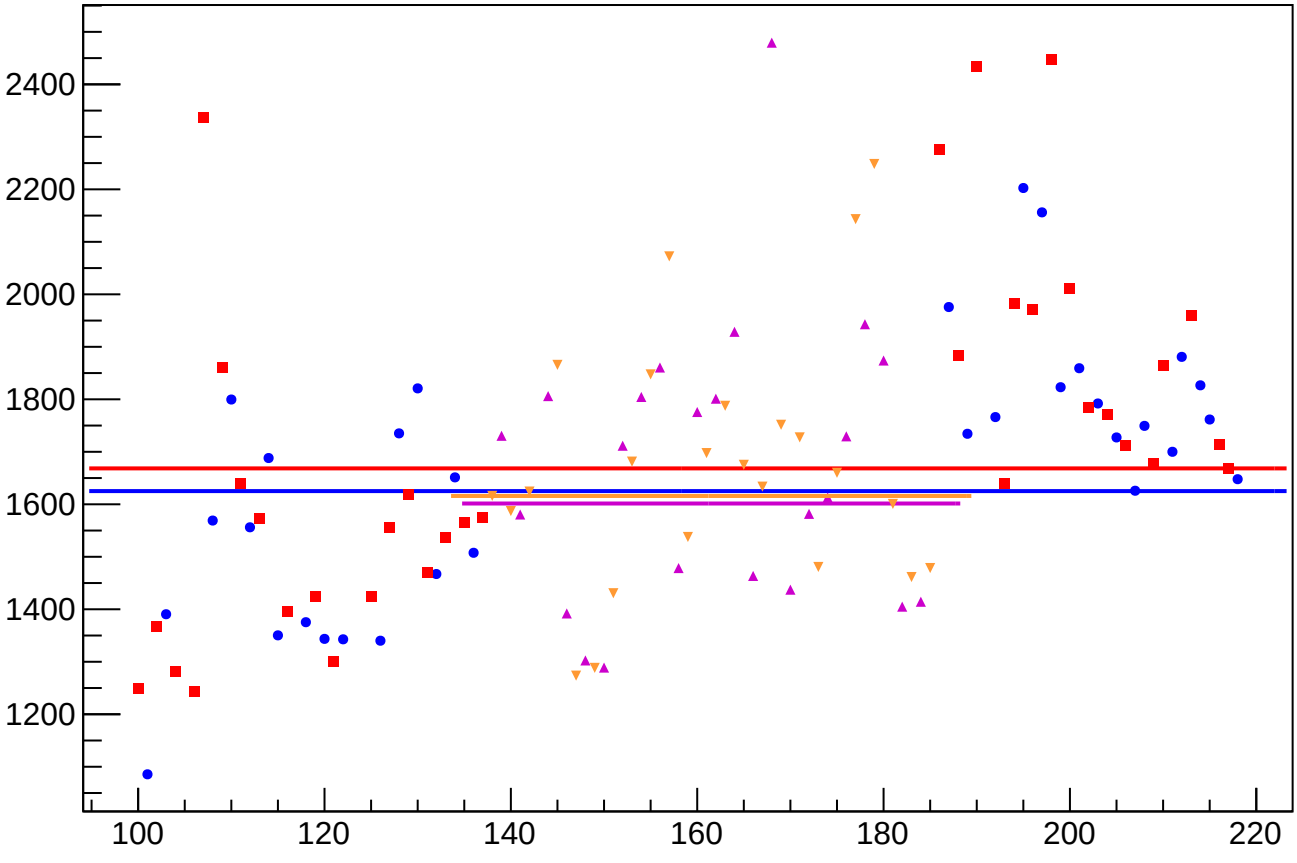
Left In: -2105.415+/-379.051 χ^2/NDF:18.6/22

+ sign 2059.060+/-264.045 χ^2/NDF: 59.0/55

All: -21.683+/-187.737 χ^2/NDF: 245.3/112

- sign -2148.938+/-266.980 χ^2/NDF: 60.7/56

asym_us_avg_rms vs Slug



Right In: 1625.143+/-0.259 χ^2/NDF: 945886.5/31

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

Right Out: 1668.388+/-0.266 χ^2/NDF: 1000861.9/33

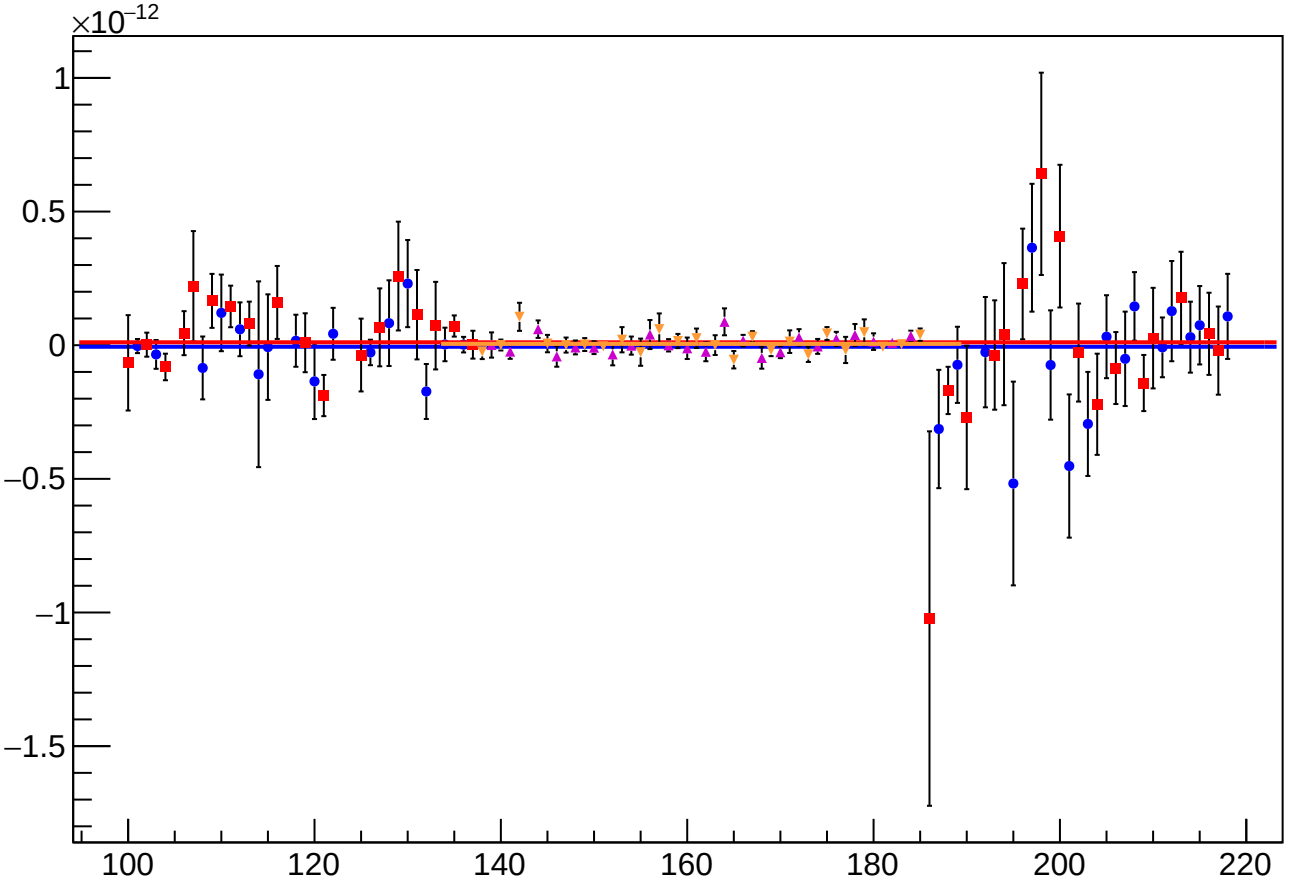
Left In: 1601.496+/-0.268 χ^2/NDF:793722.6/22

+ sign 1620.664+/-0.187 χ^2/NDF: 1640857.9/55

All: 1627.854+/-0.133 χ^2/NDF: 3469826.8/11

- sign 1635.204+/-0.189 χ^2/NDF: 1825970.4/56

asym_us_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 22.9/31

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

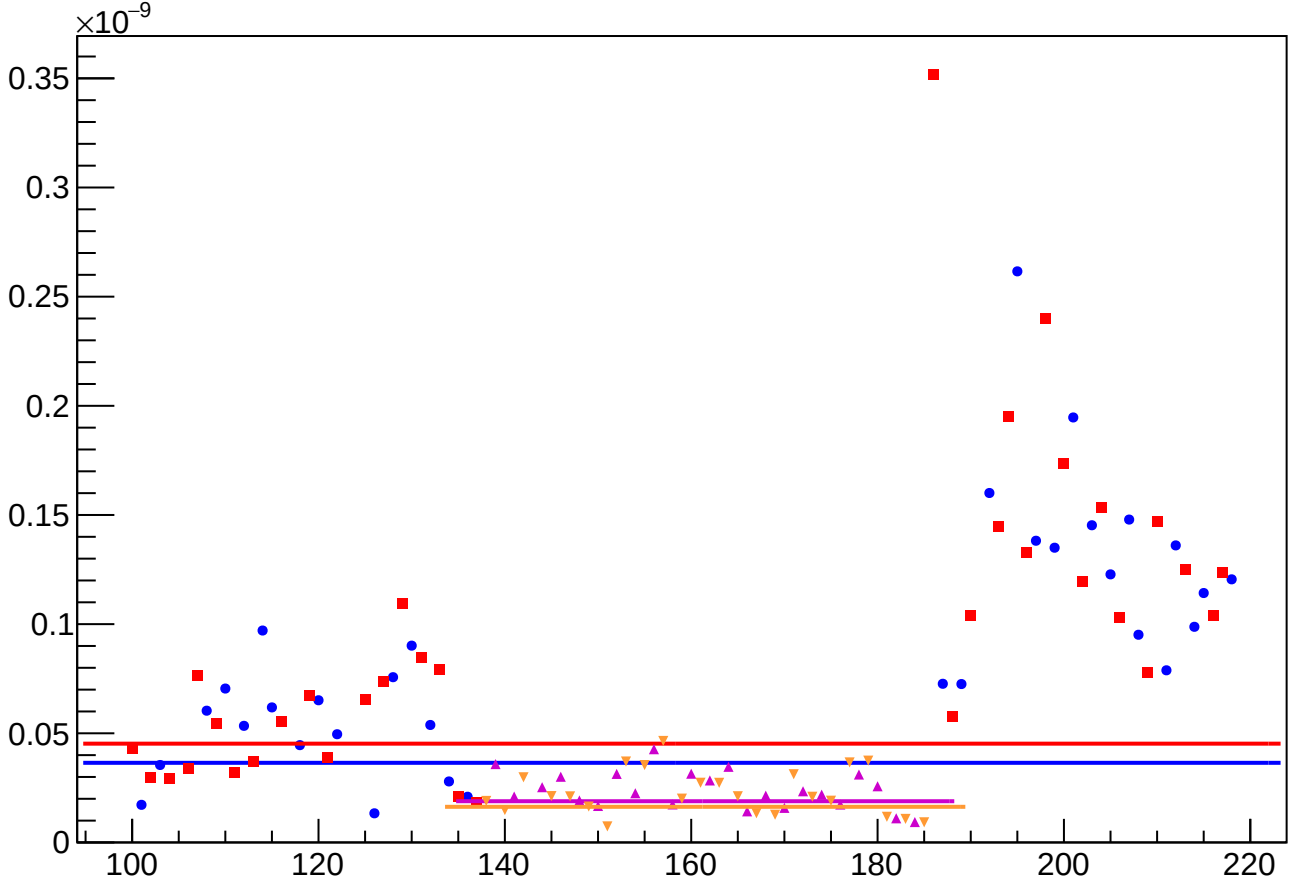
Right Out: 0.000+/-0.000 χ^2/NDF: 42.2/33

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

+ sign 0.000+/-0.000 χ^2/NDF: 44.4/55

All: 0.000+/-0.000 χ^2/NDF: 106.2/112

- sign 0.000+/-0.000 χ^2/NDF: 61.7/56



Right In: 0.000+/-0.000 χ^2/NDF: 11001967.4/31

Left Out: 0.000+/-0.000 χ^2/NDF:4263140.7/23

Right Out: 0.000+/-0.000 χ^2/NDF: 8794422.7/33

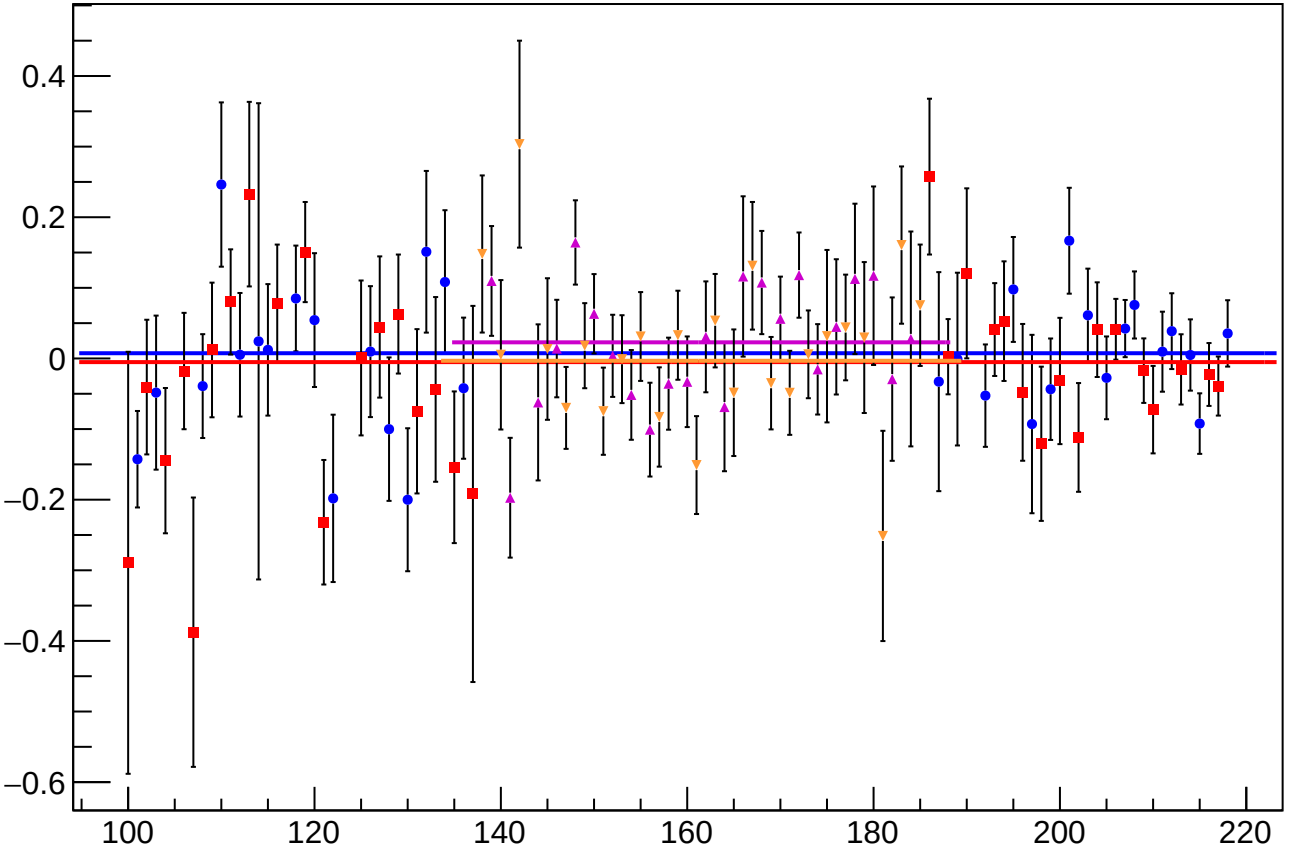
Left In: 0.000+/-0.000 χ^2/NDF:3256130.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 18766983.8/55

All: 0.000+/-0.000 χ^2/NDF: 35593981.2/112

- sign 0.000+/-0.000 χ^2/NDF: 16510565.3/56

asym_us_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.007+/-0.013 χ^2/NDF: 40.0/31

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

Right Out: -0.005+/-0.013 χ^2/NDF: 42.6/33

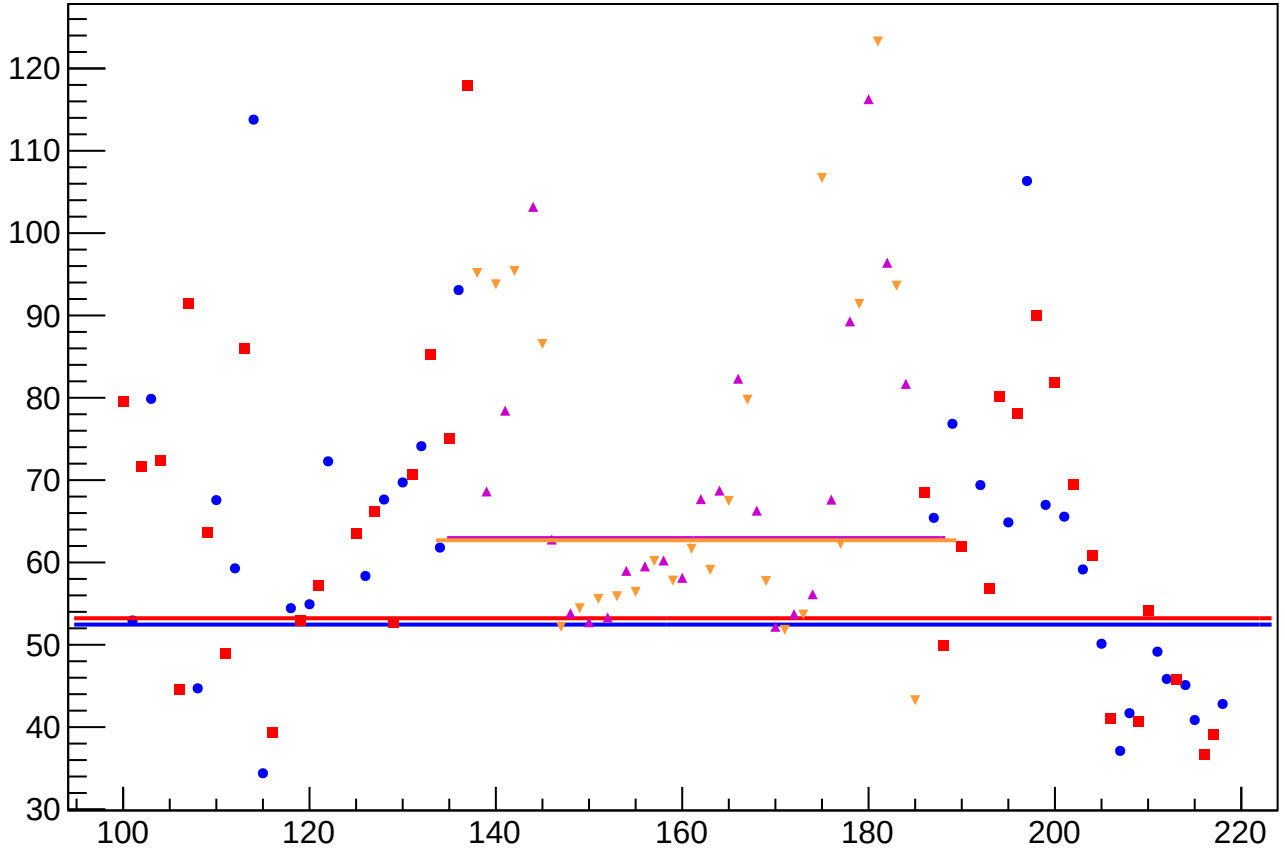
Left In: 0.023+/-0.015 χ^2/NDF:29.0/22

+ sign 0.003+/-0.010 χ^2/NDF: 66.2/55

All: 0.005+/-0.007 χ^2/NDF: 139.7/112

- sign 0.006+/-0.010 χ^2/NDF: 73.5/56

asym_us_avg_dit_vs_cor_diff_rms vs Slug



Right In: 52.454+/-0.009 χ^2/NDF: 2413067.7/31

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

Right Out: 53.223+/-0.009 χ^2/NDF: 2701928.4/33

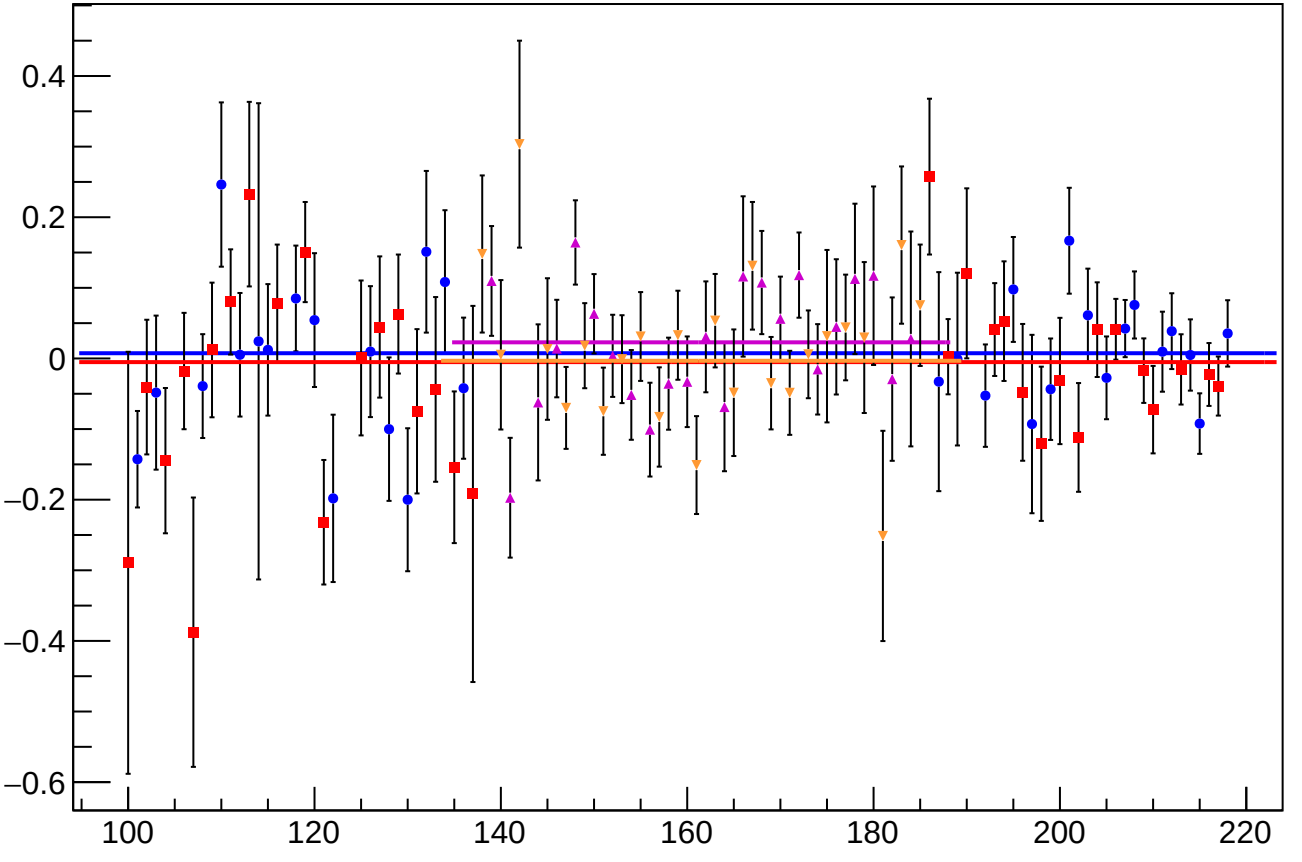
Left In: 62.956+/-0.011 χ^2/NDF:1430426.1/22

+ sign 56.534+/-0.007 χ^2/NDF: 4878258.6/55

All: 56.849+/-0.005 χ^2/NDF: 9483952.0/112

- sign 57.170+/-0.007 χ^2/NDF: 4601507.6/56

asym_us_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.007+/-0.013 χ^2/NDF: 40.0/31

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

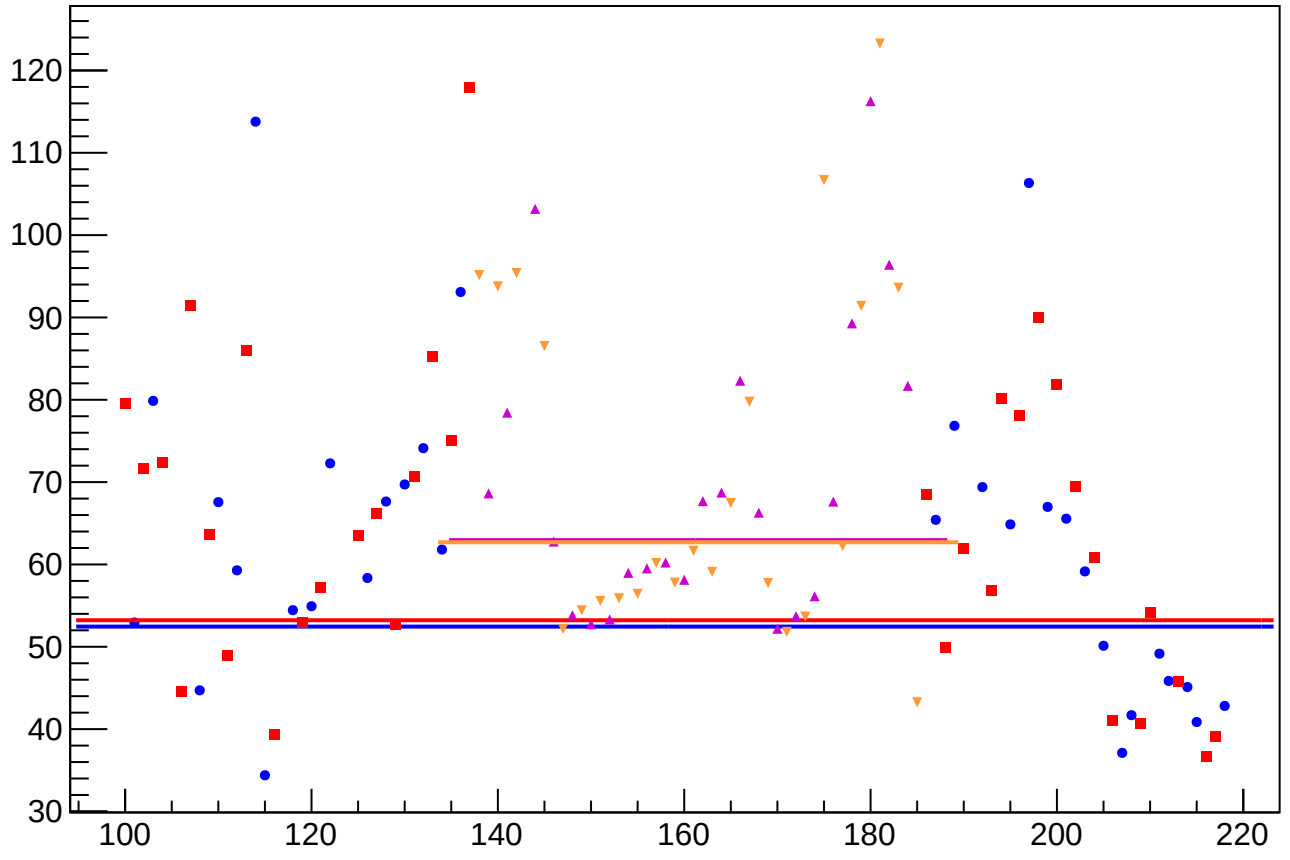
Right Out: -0.005+/-0.013 χ^2/NDF: 42.6/33

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

+ sign 0.003+/-0.010 χ^2/NDF: 66.2/55

All: 0.005+/-0.007 χ^2/NDF: 139.7/112

- sign 0.006+/-0.010 χ^2/NDF: 73.5/56



Right In: 52.454+/-0.009 χ^2/NDF: 2413067.7/31

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

Right Out: 53.223+/-0.009 χ^2/NDF: 2701928.4/33

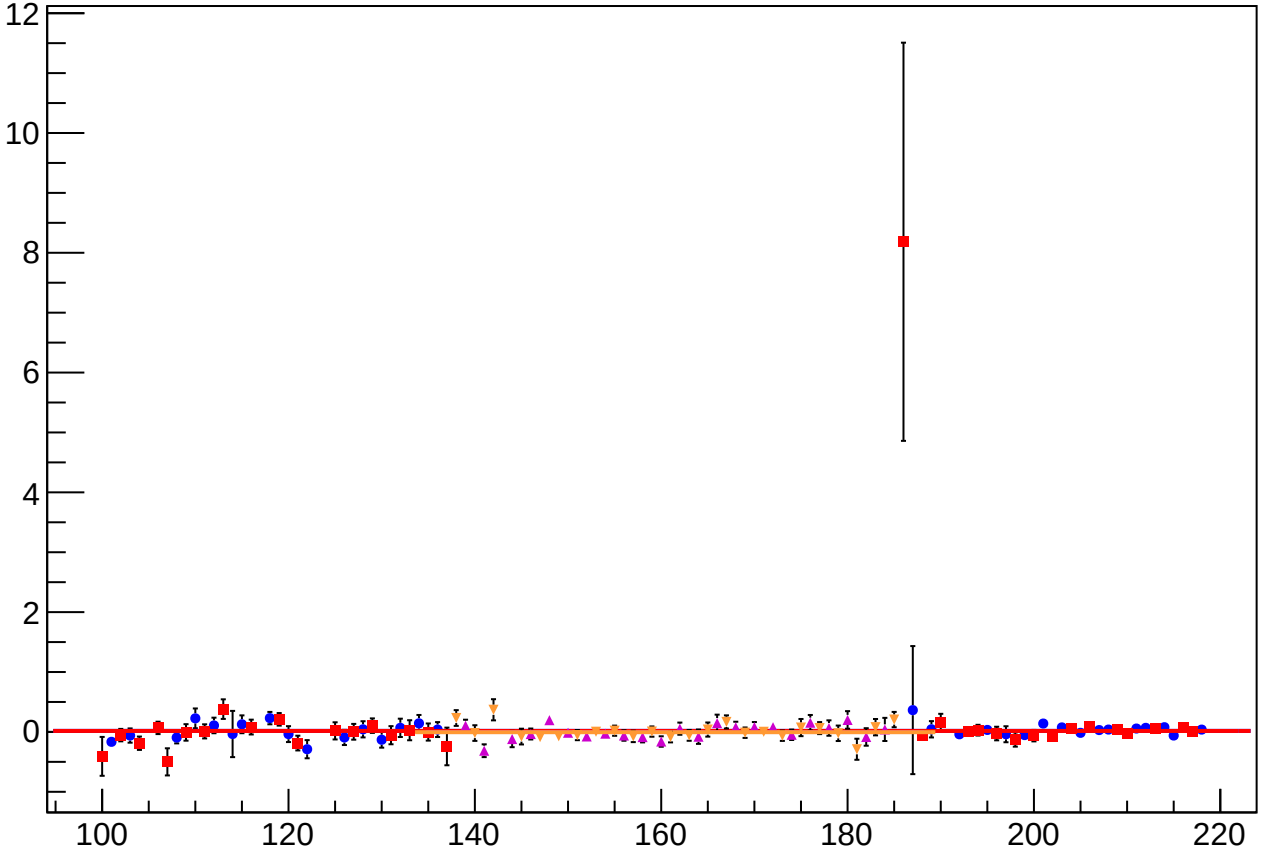
Left In: 62.956+/-0.011 χ^2/NDF:1430426.1/22

+ sign 56.534+/-0.007 χ^2/NDF: 4878258.6/55

All: 56.849+/-0.005 χ^2/NDF: 9483952.0/112

- sign 57.170+/-0.007 χ^2/NDF: 4601507.6/56

asym_us_avg_dit_vs_overload_cor_diff_mean vs Slug



Right In: 0.017+/-0.016 χ^2/NDF: 29.5/31

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

Right Out: 0.016+/-0.016 χ^2/NDF: 39.9/33

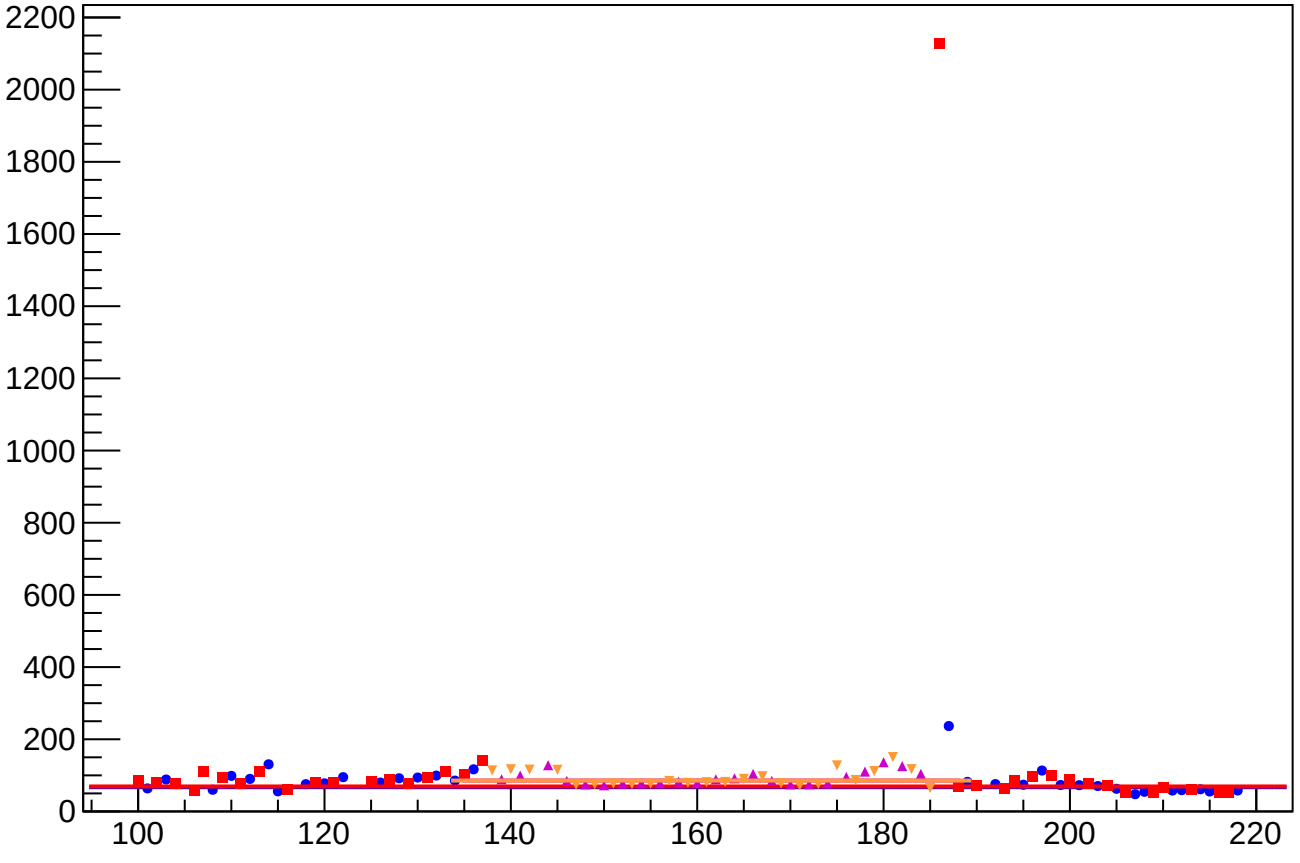
Left In: -0.002+/-0.021 χ^2/NDF:30.5/22

+ sign 0.009+/-0.013 χ^2/NDF: 51.6/55

All: 0.009+/-0.009 χ^2/NDF: 122.4/112

- sign 0.009+/-0.013 χ^2/NDF: 70.9/56

asym_us_avg_dit_vs_overload_cor_diff_rms vs Slug



Right In: 67.205+/-0.011 χ^2/NDF: 1943791.2/31

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

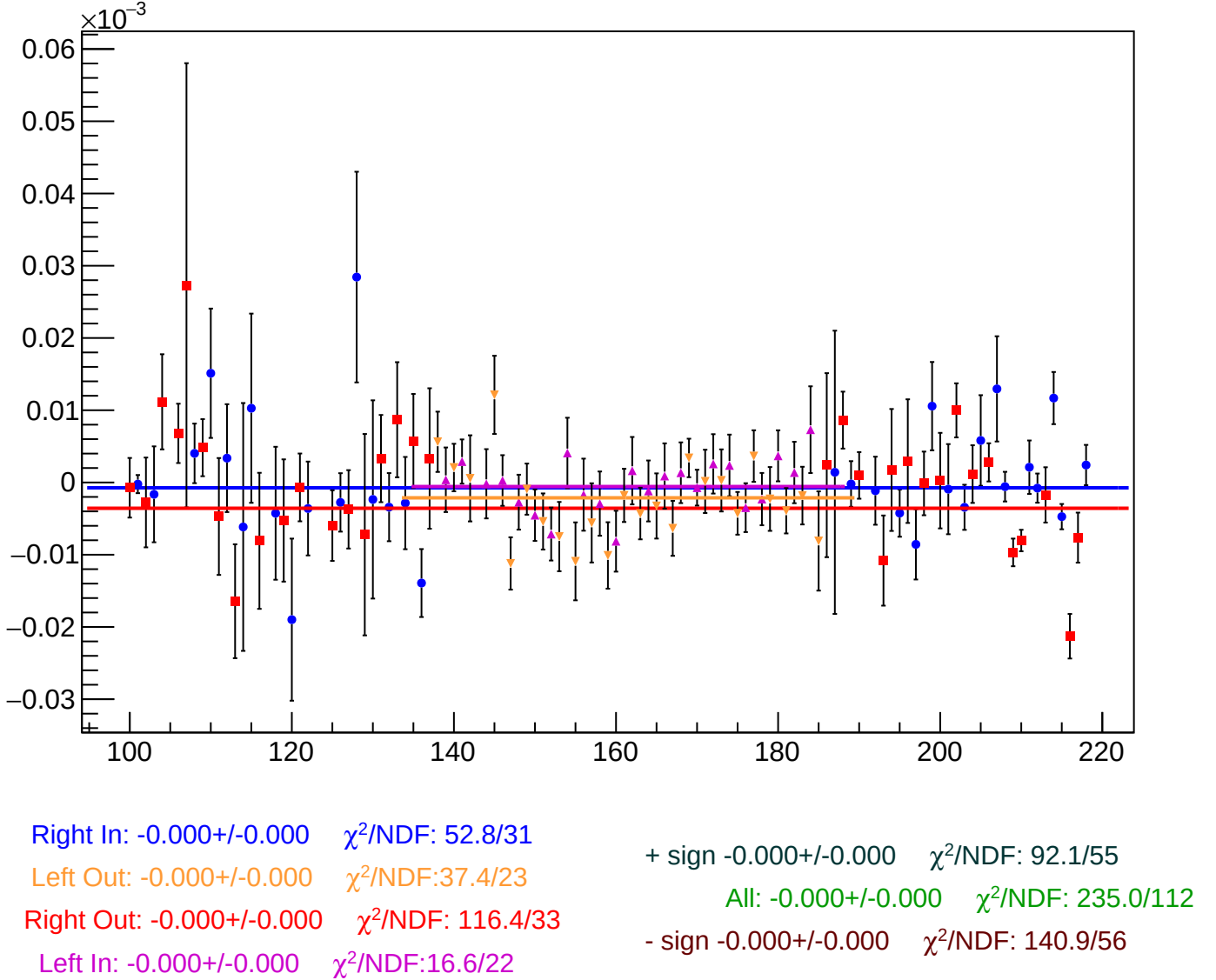
Right Out: 69.266+/-0.012 χ^2/NDF: 2678788.2/33

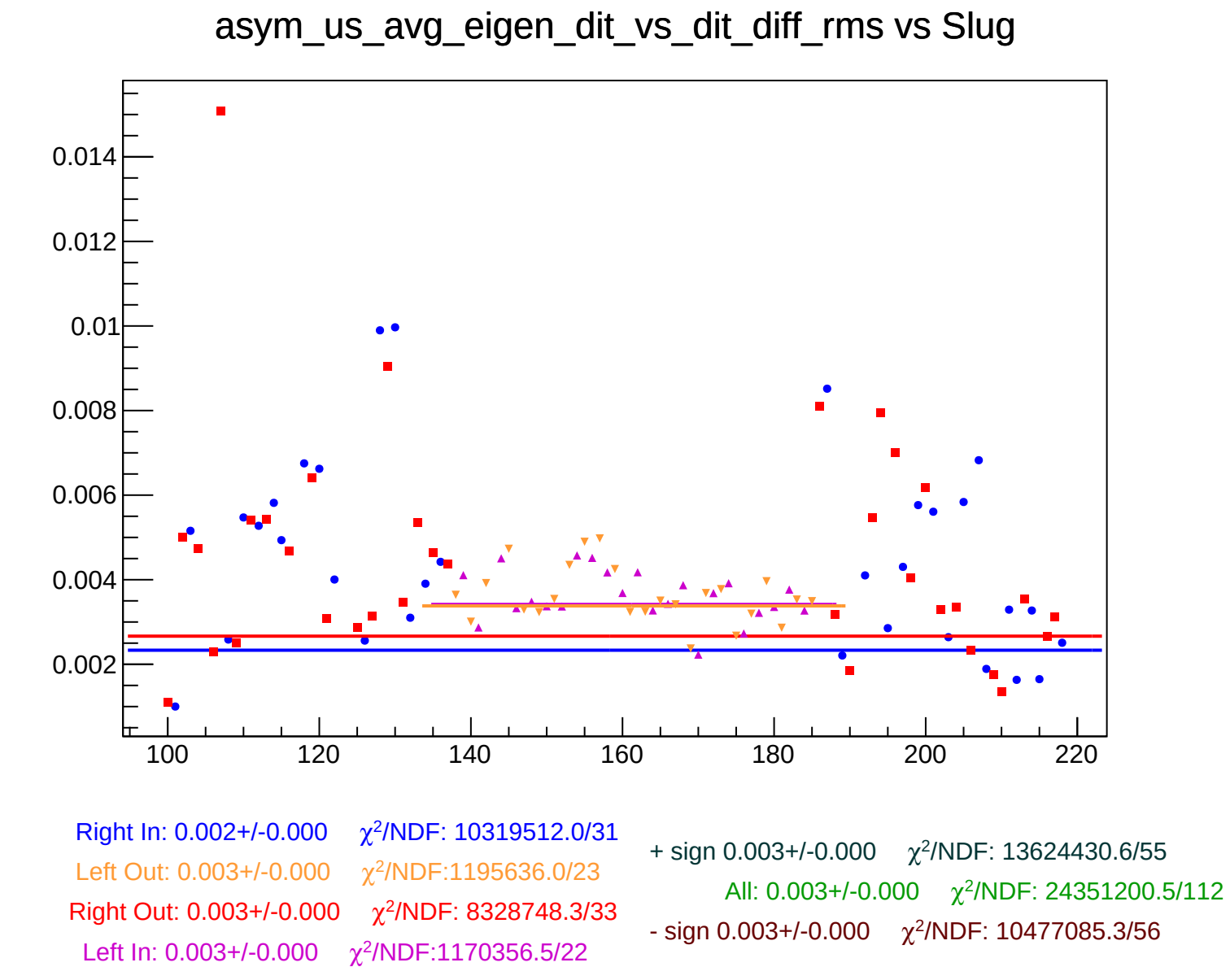
Left In: 85.679+/-0.015 χ^2/NDF:995870.4/22

+ sign 74.047+/-0.009 χ^2/NDF: 4297277.6/55

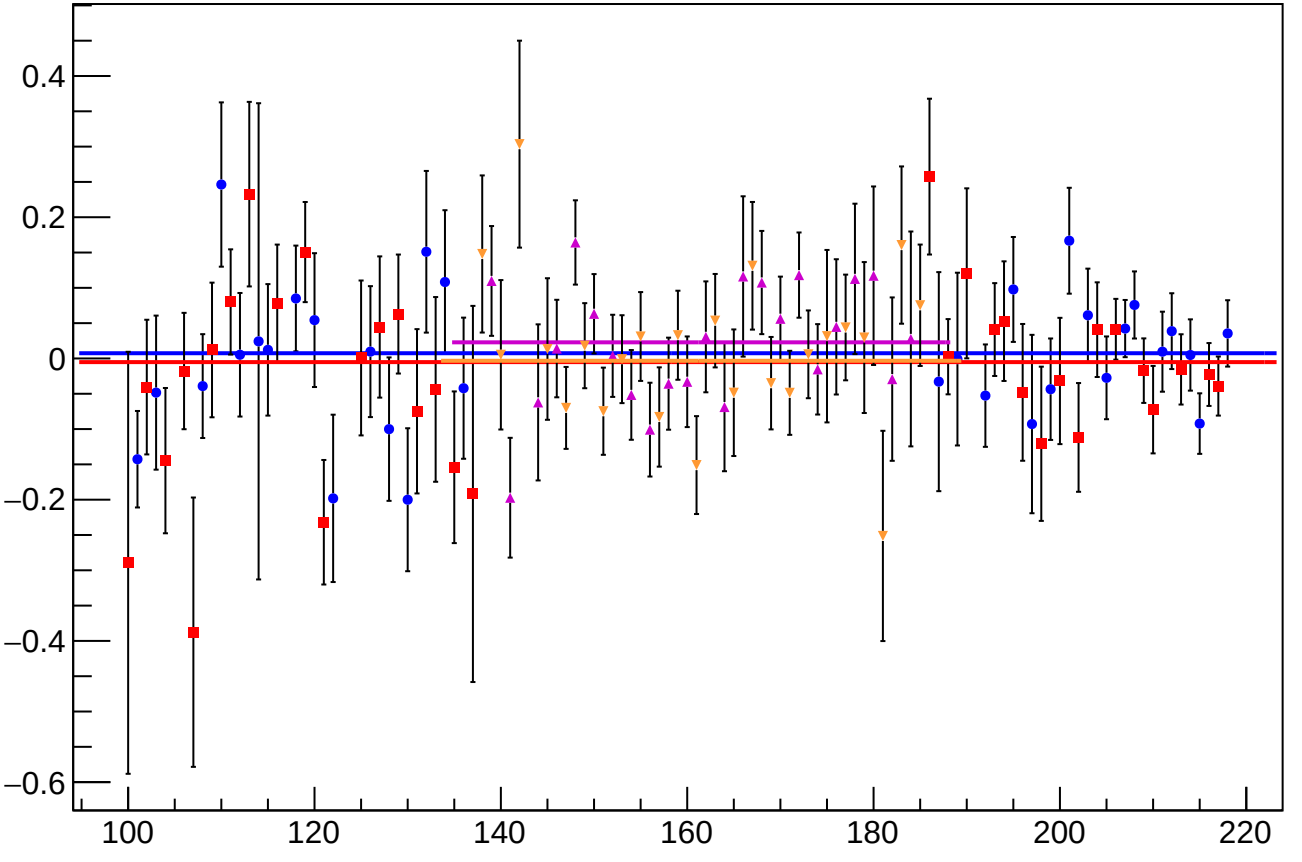
All: 74.809+/-0.006 χ^2/NDF: 8760440.2/112

- sign 75.601+/-0.009 χ^2/NDF: 4448242.2/56


asym_us_avg_eigen_dit_vs_dit_diff_mean vs Slug
×10⁻³
0.06
0.05
0.04
0.03
0.02
0.01
0
−0.01
−0.02
−0.03
100
120
140
160
180
200
220
Right In: -0.000+/-0.000 χ²/NDF: 52.8/31
Left Out: -0.000+/-0.000 χ²/NDF:37.4/23
Right Out: -0.000+/-0.000 χ²/NDF: 116.4/33
Left In: -0.000+/-0.000 χ²/NDF:16.6/22
+ sign -0.000+/-0.000 χ²/NDF: 92.1/55
All: -0.000+/-0.000 χ²/NDF: 235.0/112
- sign -0.000+/-0.000 χ²/NDF: 140.9/56


asym_us_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.014
0.012
0.01
0.008
0.006
0.004
0.002
100
120
140
160
180
200
220
Right In: 0.002+/-0.000 χ²/NDF: 10319512.0/31
Left Out: 0.003+/-0.000 χ²/NDF:1195636.0/23
Right Out: 0.003+/-0.000 χ²/NDF: 8328748.3/33
Left In: 0.003+/-0.000 χ²/NDF:1170356.5/22
+ sign 0.003+/-0.000 χ²/NDF: 13624430.6/55
All: 0.003+/-0.000 χ²/NDF: 24351200.5/112
- sign 0.003+/-0.000 χ²/NDF: 10477085.3/56

asym_us_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.007+/-0.013 χ^2/NDF: 40.0/31

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

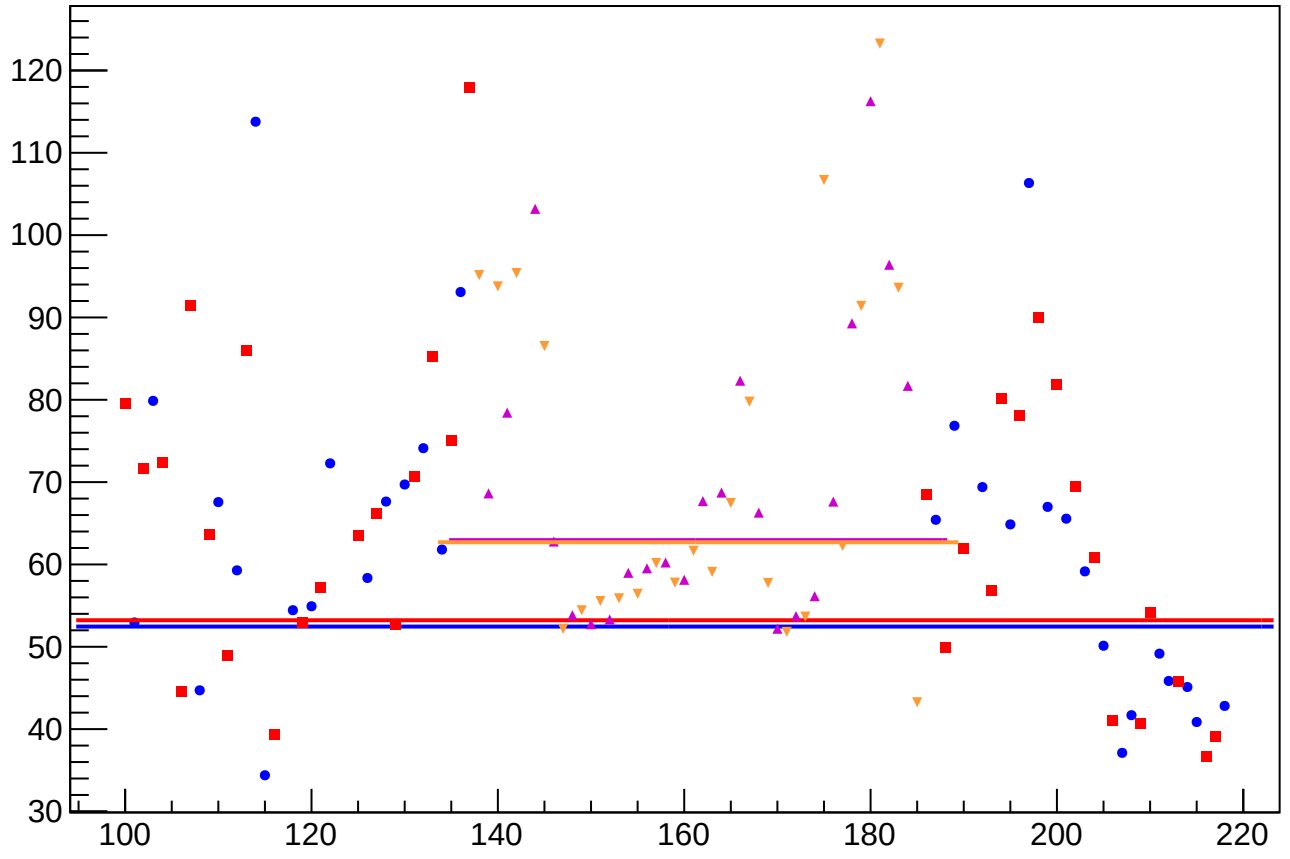
Right Out: -0.005+/-0.013 χ^2/NDF: 42.6/33

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

+ sign 0.003+/-0.010 χ^2/NDF: 66.2/55

All: 0.005+/-0.007 χ^2/NDF: 139.7/112

- sign 0.006+/-0.010 χ^2/NDF: 73.5/56



Right In: 52.454+/-0.009 χ^2/NDF: 2412895.8/31

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

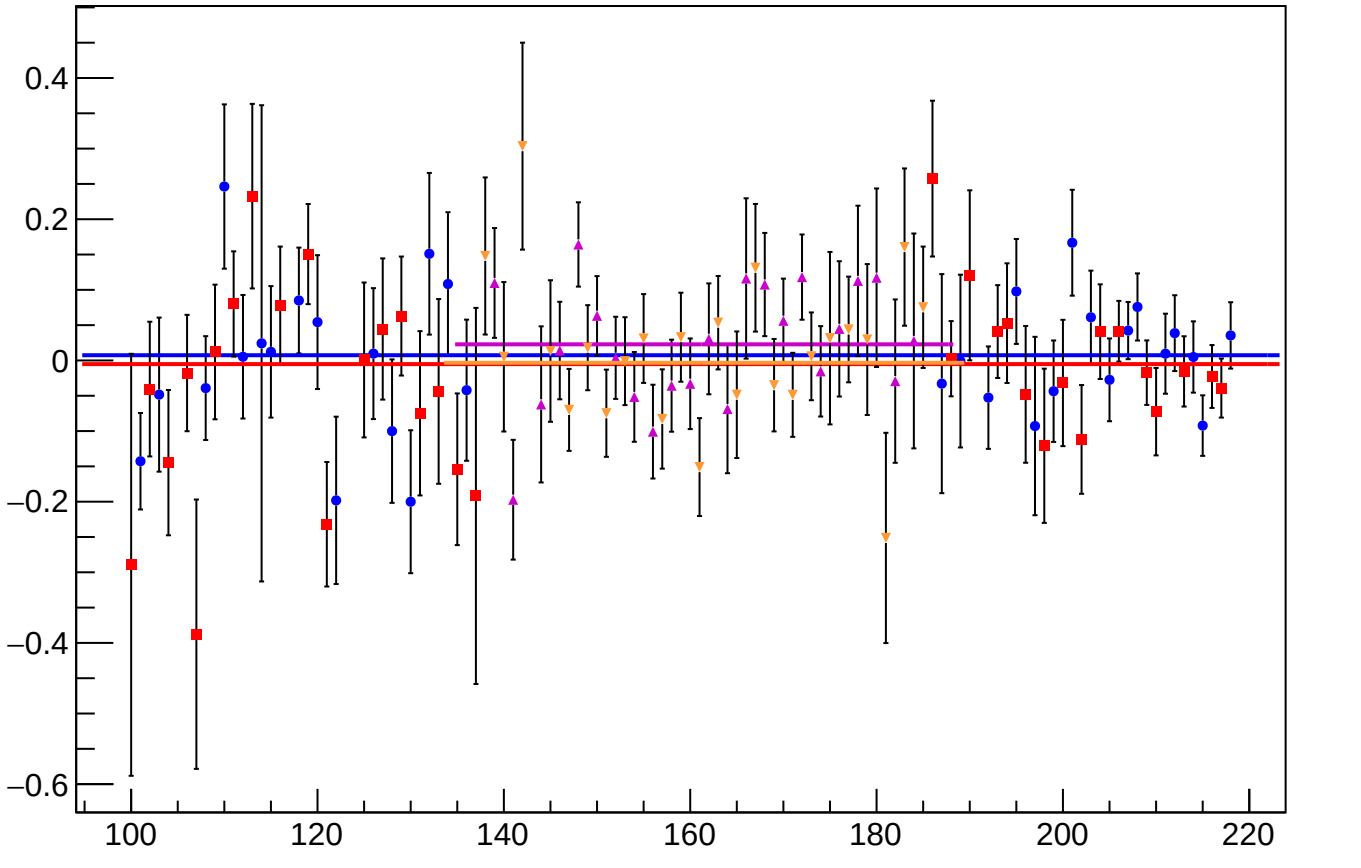
Right Out: 53.223+/-0.009 χ^2/NDF: 2701735.0/33

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

+ sign 56.535+/-0.007 χ^2/NDF: 4878068.8/55

All: 56.849+/-0.005 χ^2/NDF: 9483587.9/112

- sign 57.170+/-0.007 χ^2/NDF: 4601338.8/56



Right In: 0.007+/-0.013 χ^2/NDF: 40.0/31

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

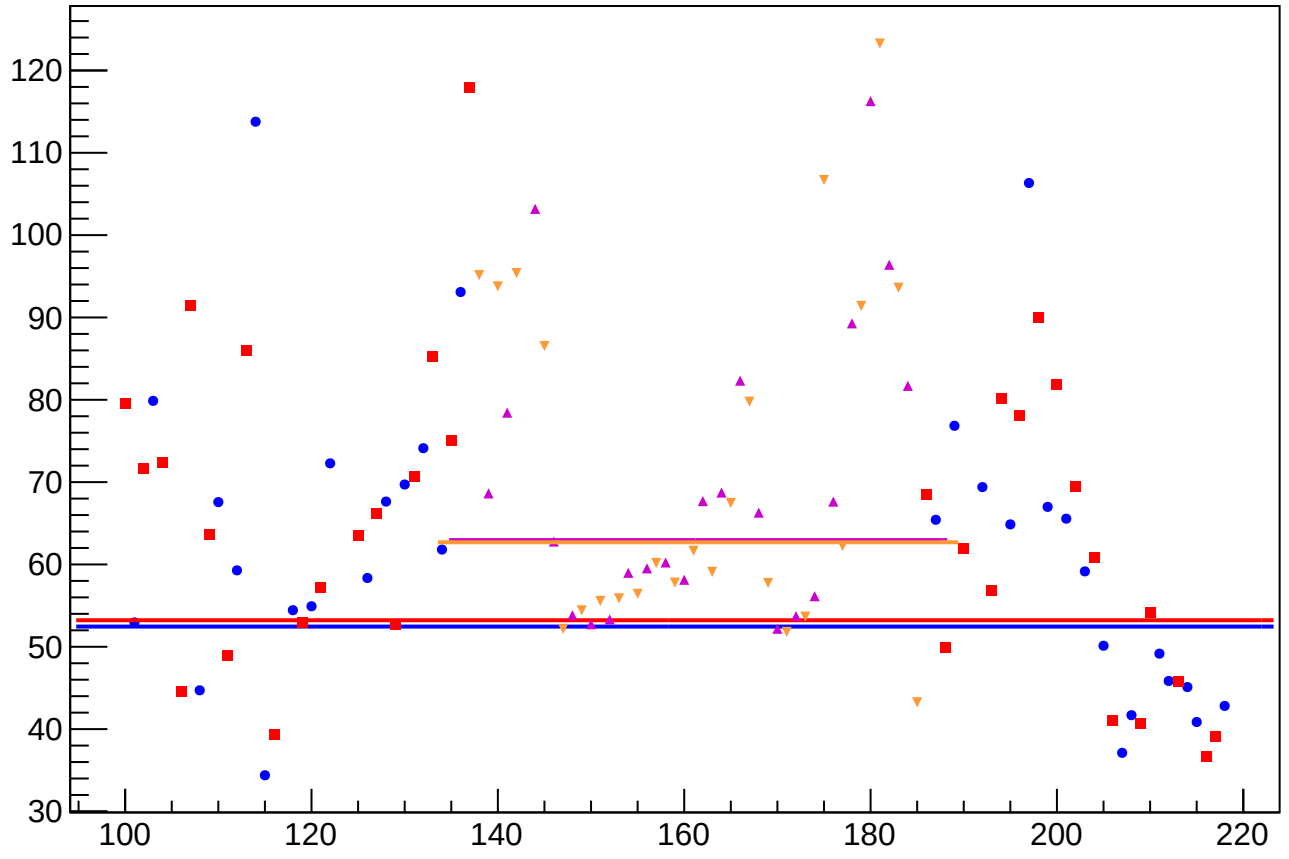
Right Out: -0.005+/-0.013 χ^2/NDF: 42.6/33

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

+ sign 0.003+/-0.010 χ^2/NDF: 66.2/55

All: 0.005+/-0.007 χ^2/NDF: 139.7/112

- sign 0.006+/-0.010 χ^2/NDF: 73.5/56



Right In: 52.454+/-0.009 χ^2/NDF: 2412895.8/31

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

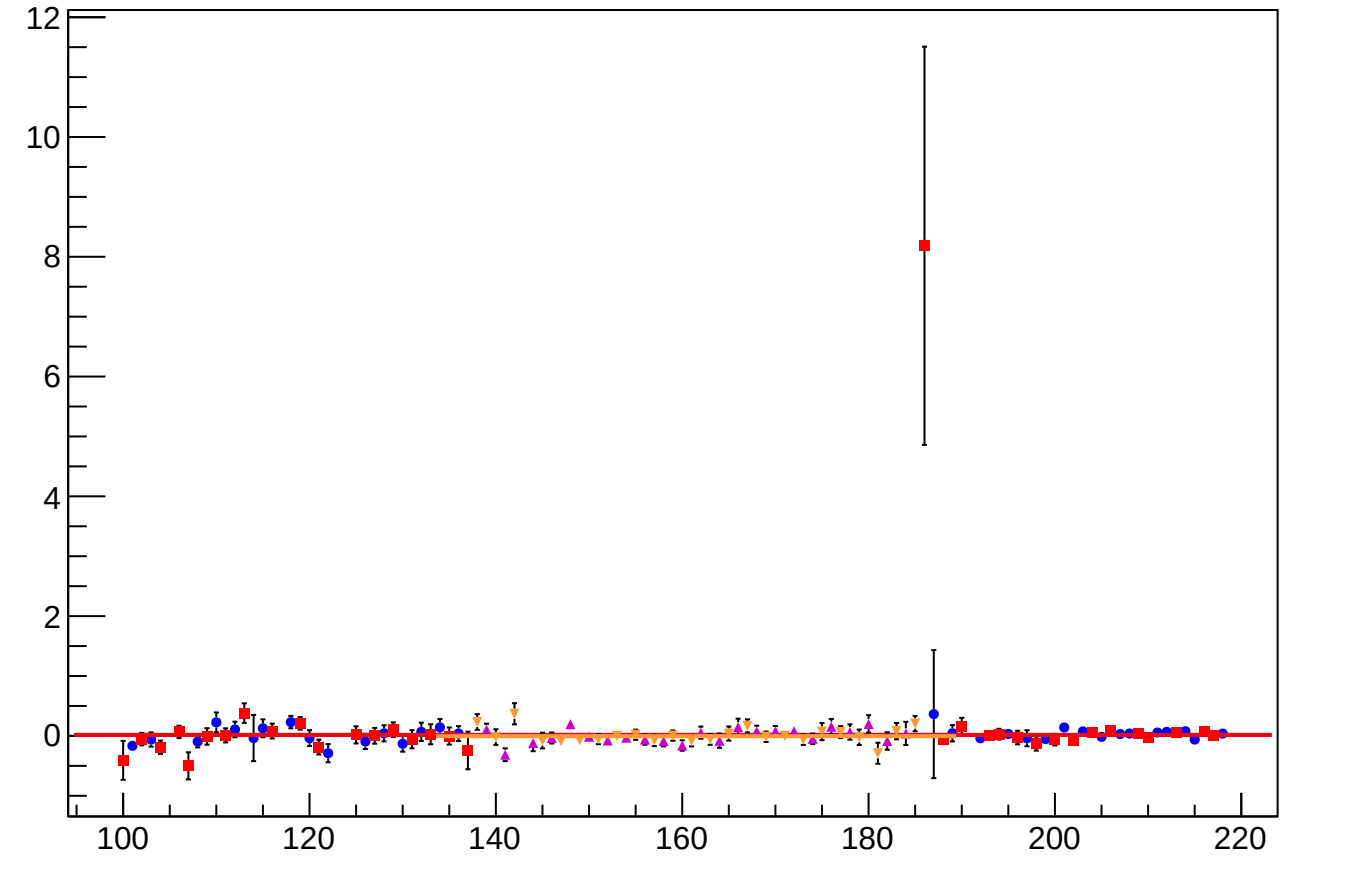
Right Out: 53.223+/-0.009 χ^2/NDF: 2701735.0/33

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

+ sign 56.535+/-0.007 χ^2/NDF: 4878068.8/55

All: 56.849+/-0.005 χ^2/NDF: 9483587.9/112

- sign 57.170+/-0.007 χ^2/NDF: 4601338.8/56



Right In: 0.017+/-0.016 χ^2/NDF: 29.5/31

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

Right Out: 0.016+/-0.016 χ^2/NDF: 39.9/33

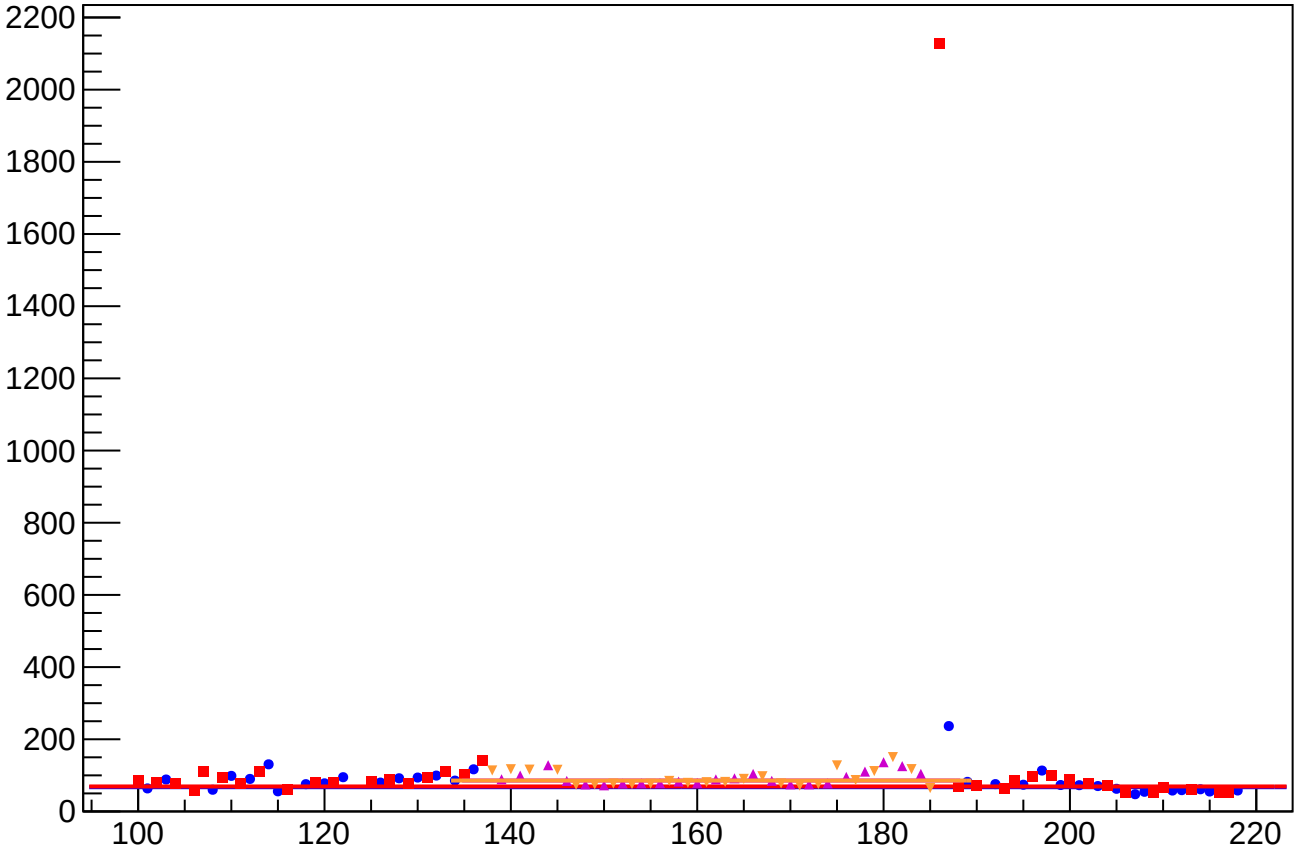
Left In: -0.002+/-0.021 χ^2/NDF:30.5/22

+ sign 0.009+/-0.013 χ^2/NDF: 51.6/55

All: 0.009+/-0.009 χ^2/NDF: 122.4/112

- sign 0.009+/-0.013 χ^2/NDF: 70.9/56

asym_us_avg_eigen_dit_vs_overload_cor_diff_rms vs Slug



Right In: 67.205+/-0.011 χ^2/NDF: 1943654.2/31

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

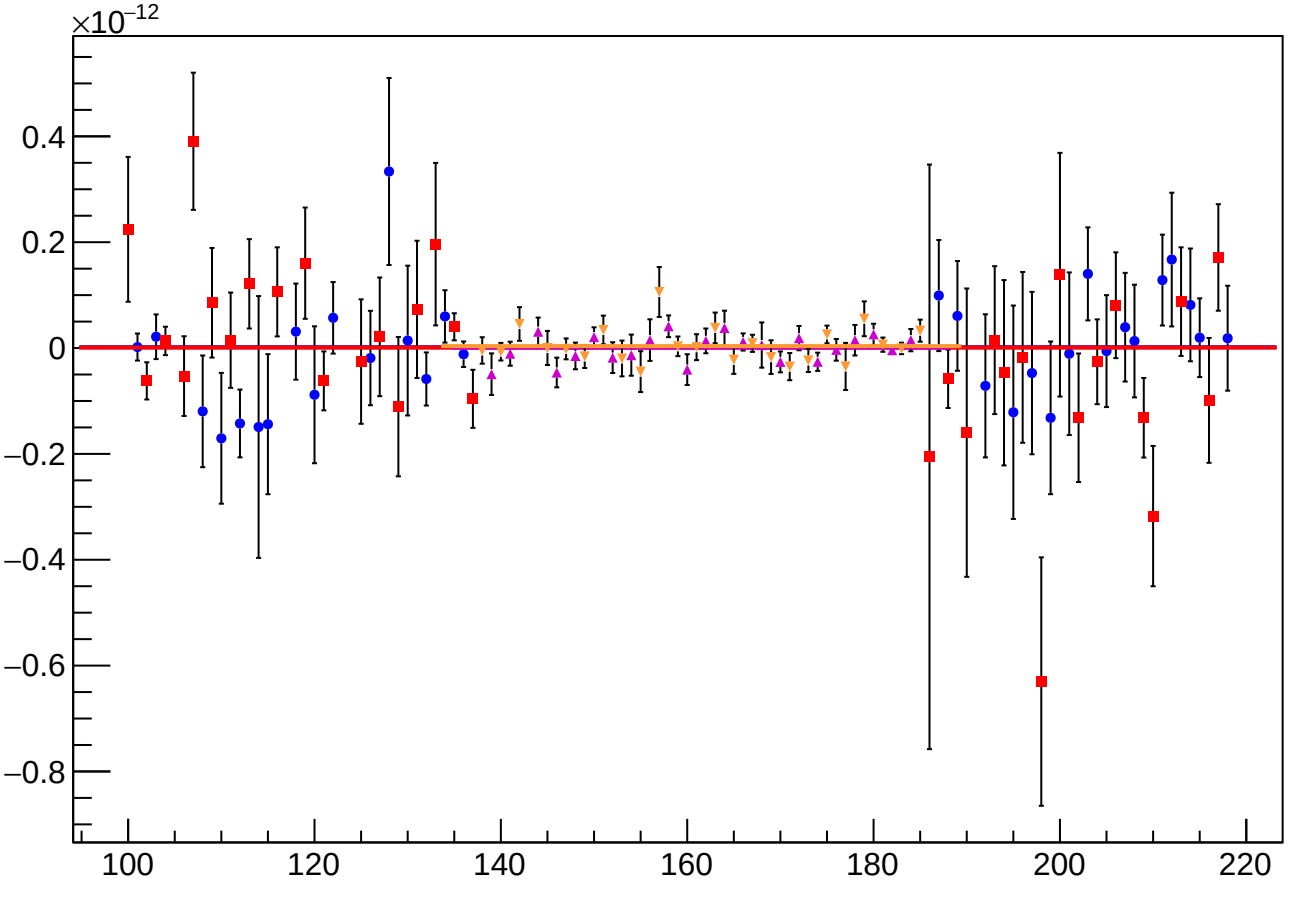
Right Out: 69.266+/-0.012 χ^2/NDF: 2678681.1/33

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

+ sign 74.048+/-0.009 χ^2/NDF: 4297122.9/55

All: 74.809+/-0.006 χ^2/NDF: 8760194.7/112

- sign 75.601+/-0.009 χ^2/NDF: 4448158.0/56



Right In: 0.000+/-0.000 χ^2/NDF: 28.1/31

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

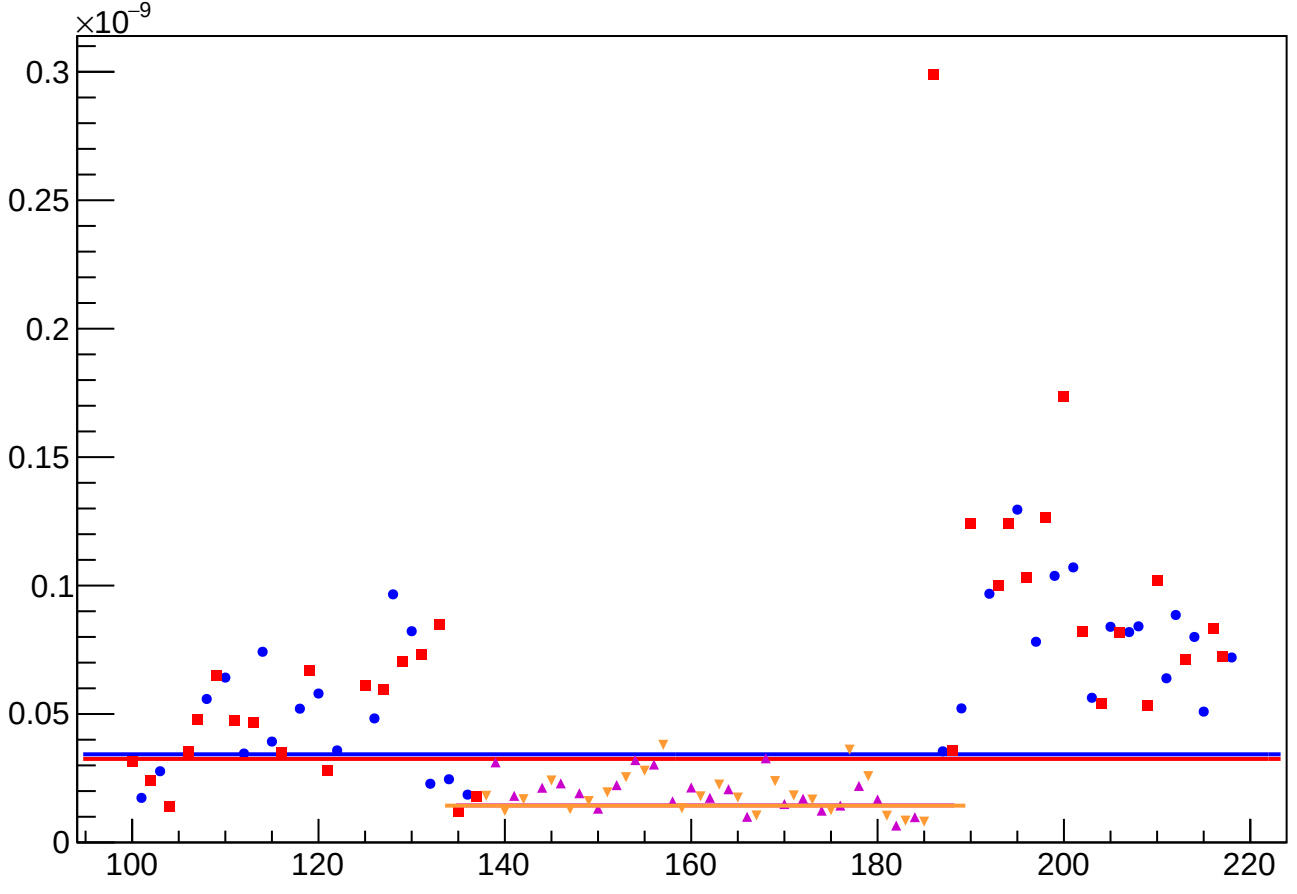
Right Out: 0.000+/-0.000 χ^2/NDF: 56.2/33

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

+ sign 0.000+/-0.000 χ^2/NDF: 53.1/55

All: 0.000+/-0.000 χ^2/NDF: 133.1/112

- sign 0.000+/-0.000 χ^2/NDF: 79.8/56



Right In: 0.000+/-0.000 χ^2/NDF: 7692353.5/31

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

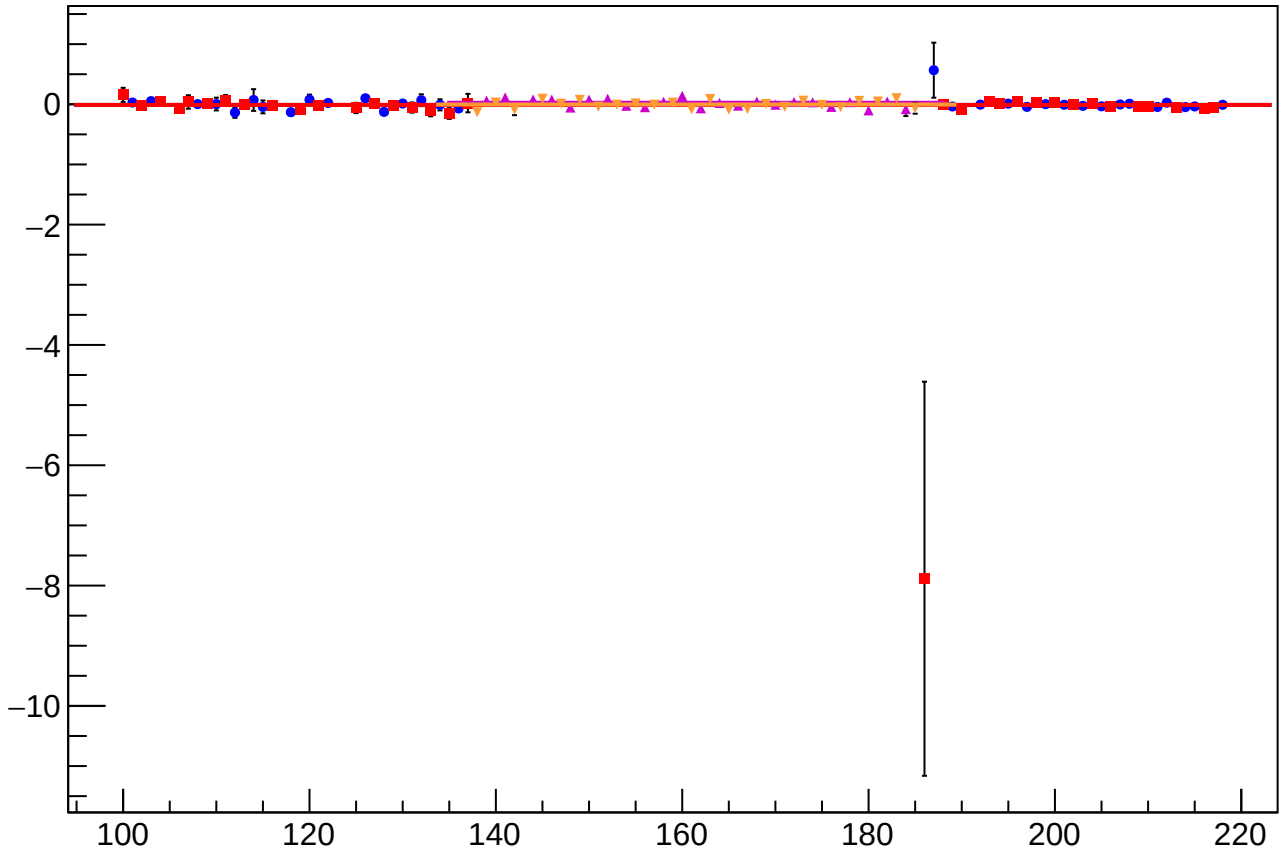
Right Out: 0.000+/-0.000 χ^2/NDF: 9692642.6/33

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

+ sign 0.000+/-0.000 χ^2/NDF: 16274244.1/55

All: 0.000+/-0.000 χ^2/NDF: 34203181.8/112

- sign 0.000+/-0.000 χ^2/NDF: 17927818.9/56



Right In: -0.010+/-0.007 χ^2/NDF: 25.2/31

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

Right Out: -0.011+/-0.007 χ^2/NDF: 40.7/33

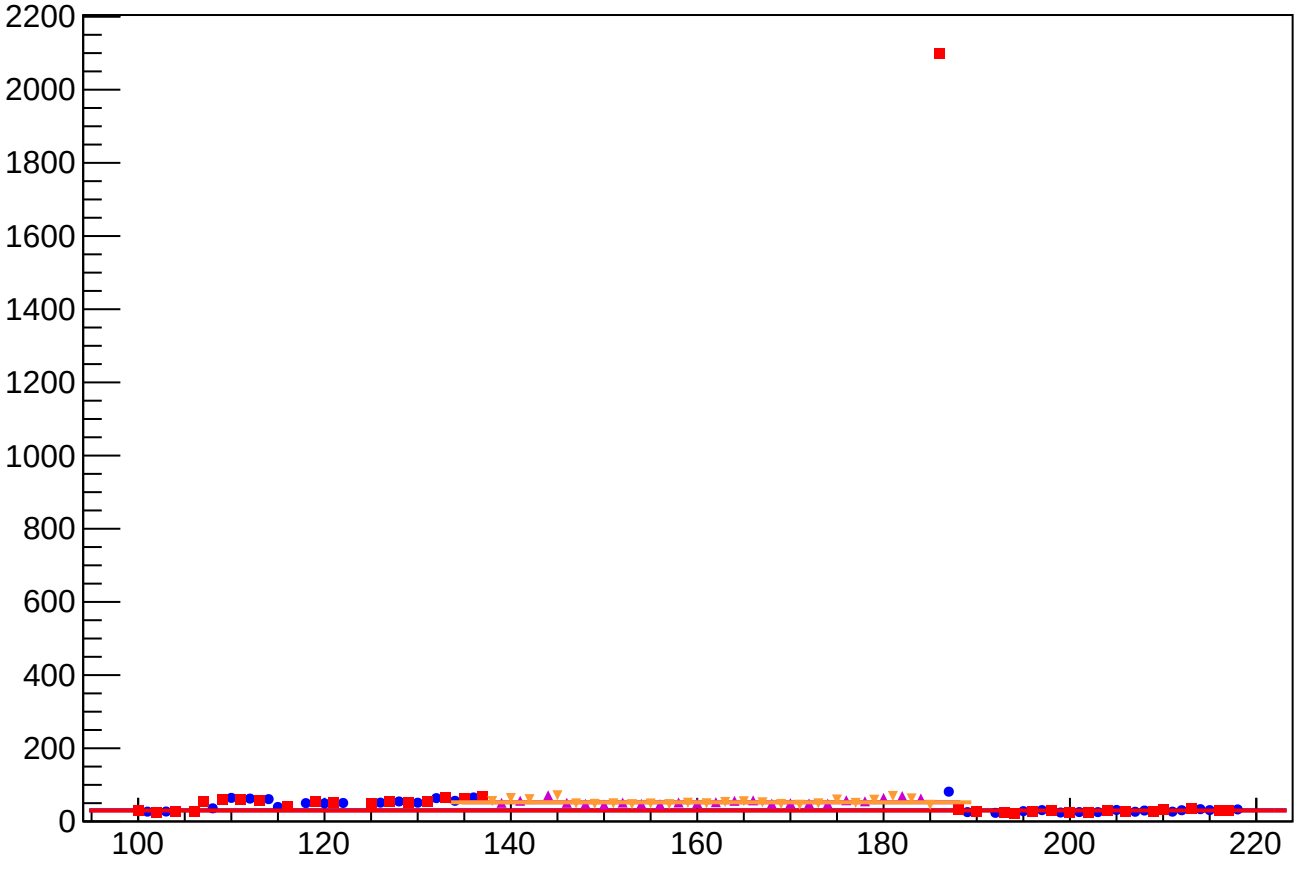
Left In: 0.025+/-0.013 χ^2/NDF:24.3/22

+ sign -0.008+/-0.006 χ^2/NDF: 48.6/55

All: -0.005+/-0.004 χ^2/NDF: 120.4/112

- sign -0.002+/-0.006 χ^2/NDF: 71.3/56

asym_us_avg_overload_cor_vs_cor_diff_rms vs Slug



Right In: 30.475+/-0.005 χ^2/NDF: 2891308.0/31

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

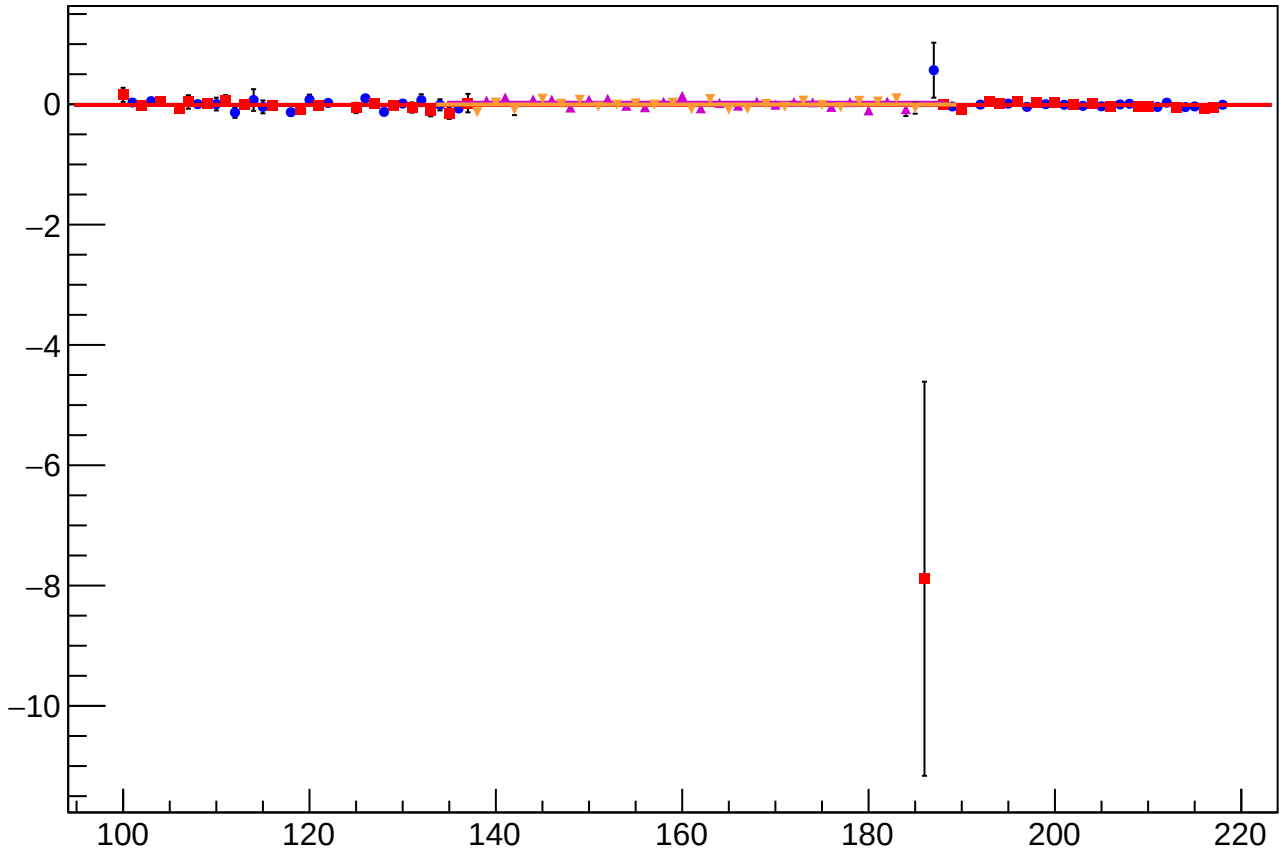
Right Out: 29.934+/-0.005 χ^2/NDF: 3879961.5/33

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

+ sign 36.083+/-0.004 χ^2/NDF: 8033923.7/55

All: 35.835+/-0.003 χ^2/NDF: 17232759.1/112

- sign 35.588+/-0.004 χ^2/NDF: 9192624.4/56



Right In: -0.010+/-0.007 χ^2/NDF: 25.2/31

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

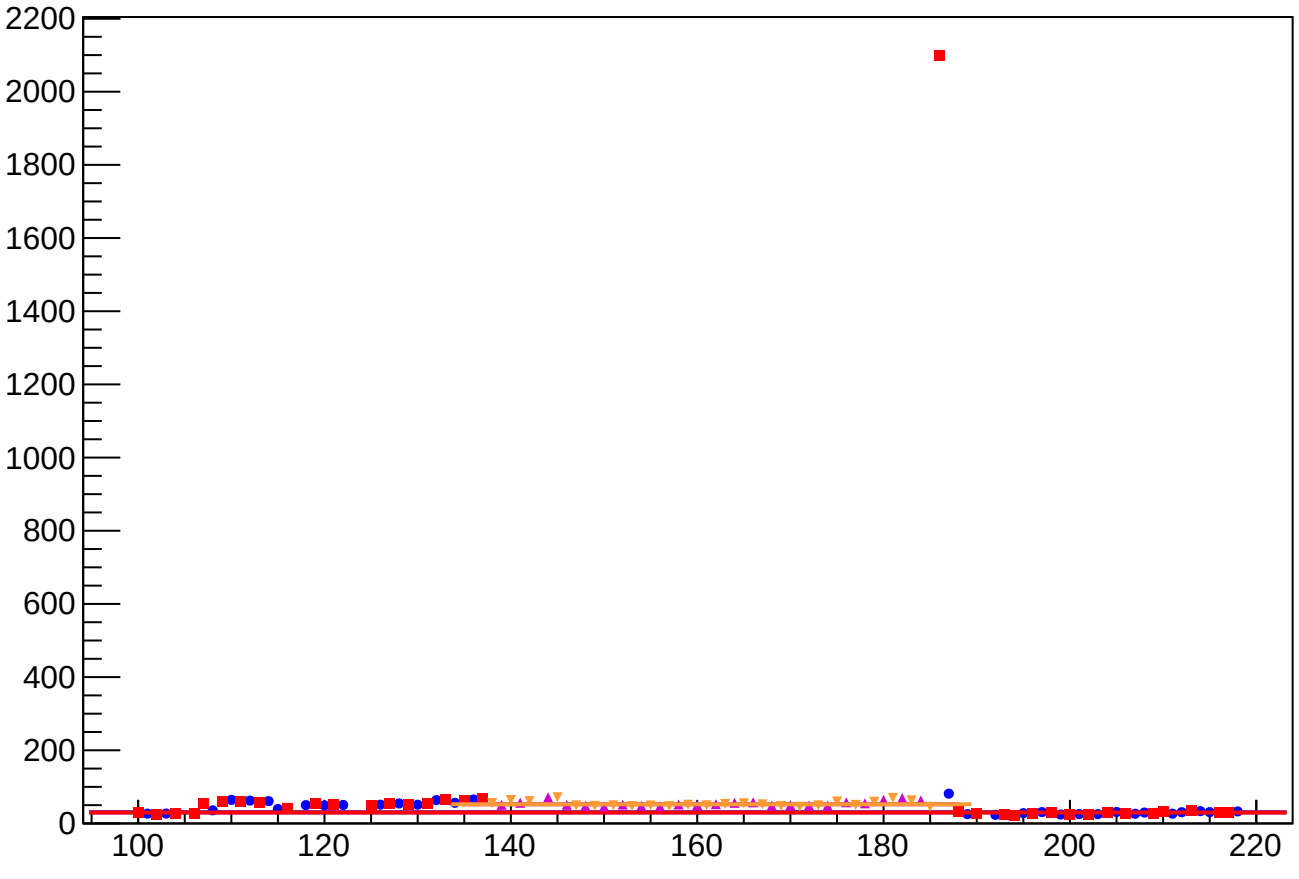
Right Out: -0.011+/-0.007 χ^2/NDF: 40.7/33

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

+ sign -0.008+/-0.006 χ^2/NDF: 48.6/55

All: -0.005+/-0.004 χ^2/NDF: 120.4/112

- sign -0.002+/-0.006 χ^2/NDF: 71.3/56



Right In: 30.475+/-0.005 χ^2/NDF: 2891308.0/31

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

Right Out: 29.934+/-0.005 χ^2/NDF: 3879961.5/33

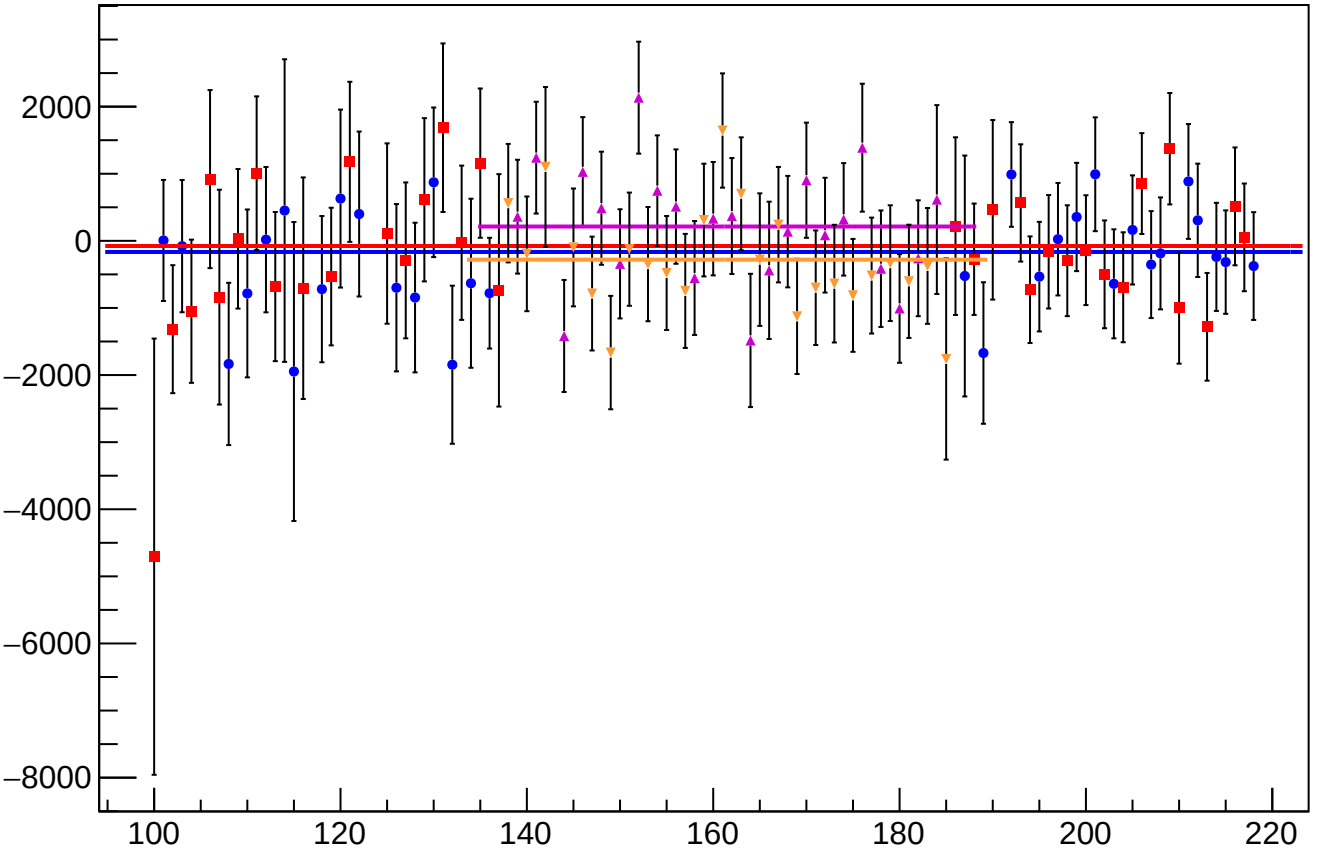
Left In: 52.484+/-0.009 χ^2/NDF:445297.7/22

+ sign 36.083+/-0.004 χ^2/NDF: 8033923.7/55

All: 35.835+/-0.003 χ^2/NDF: 17232759.1/112

- sign 35.588+/-0.004 χ^2/NDF: 9192624.4/56

reg_asym_us_dd_mean vs Slug



Right In: -165.692+/-170.839 χ^2/NDF: 17.2/31

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

Right Out: -76.676+/-171.511 χ^2/NDF: 22.7/33

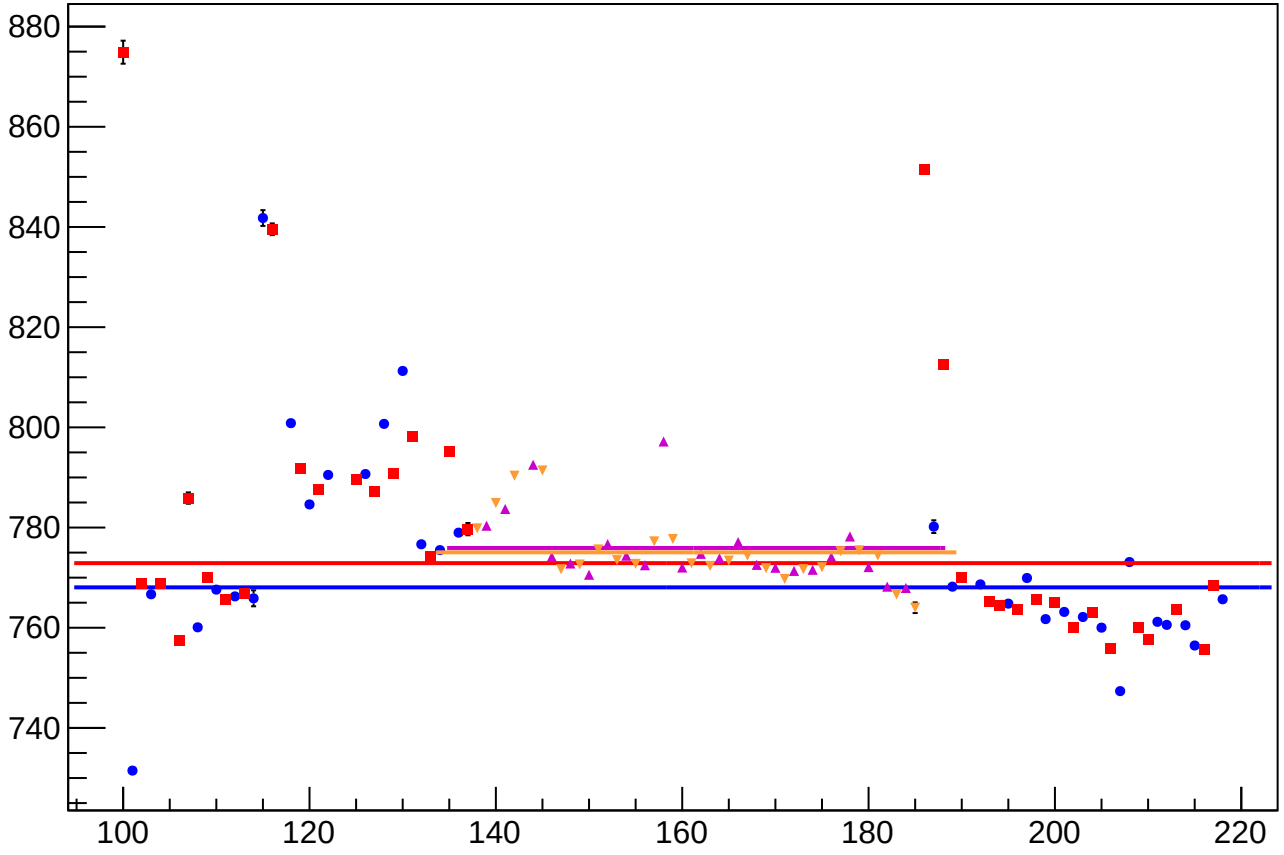
Left In: 213.425+/-181.168 χ^2/NDF:22.4/22

+ sign -220.074+/-123.875 χ^2/NDF: 33.5/55

All: -80.582+/-87.831 χ^2/NDF: 82.4/112

- sign 60.437+/-124.550 χ^2/NDF: 46.4/56

reg_asym_us_dd_rms vs Slug



Right In: 768.061+/-0.121 χ^2/NDF: 17253.0/31

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

Right Out: 772.897+/-0.121 χ^2/NDF: 26215.3/33

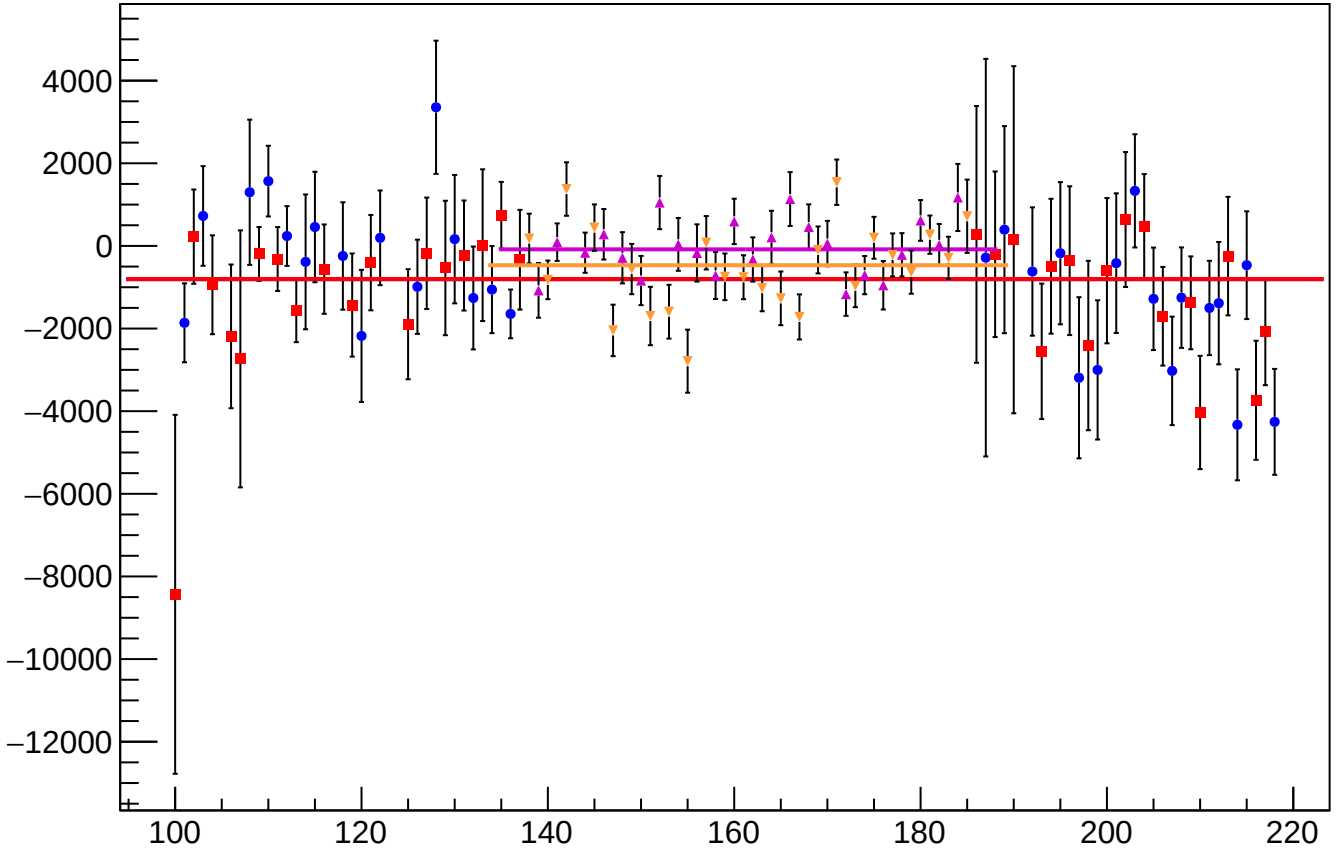
Left In: 775.922+/-0.128 χ^2/NDF:2973.0/22

+ sign 771.375+/-0.088 χ^2/NDF: 20791.3/55

All: 772.843+/-0.062 χ^2/NDF: 50838.1/112

- sign 774.327+/-0.088 χ^2/NDF: 29482.3/56

asym_us_dd_reg_correction_mean vs Slug



Right In: -806.121+/-216.200 χ^2/NDF: 49.9/31

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

Right Out: -801.814+/-217.811 χ^2/NDF: 28.2/33

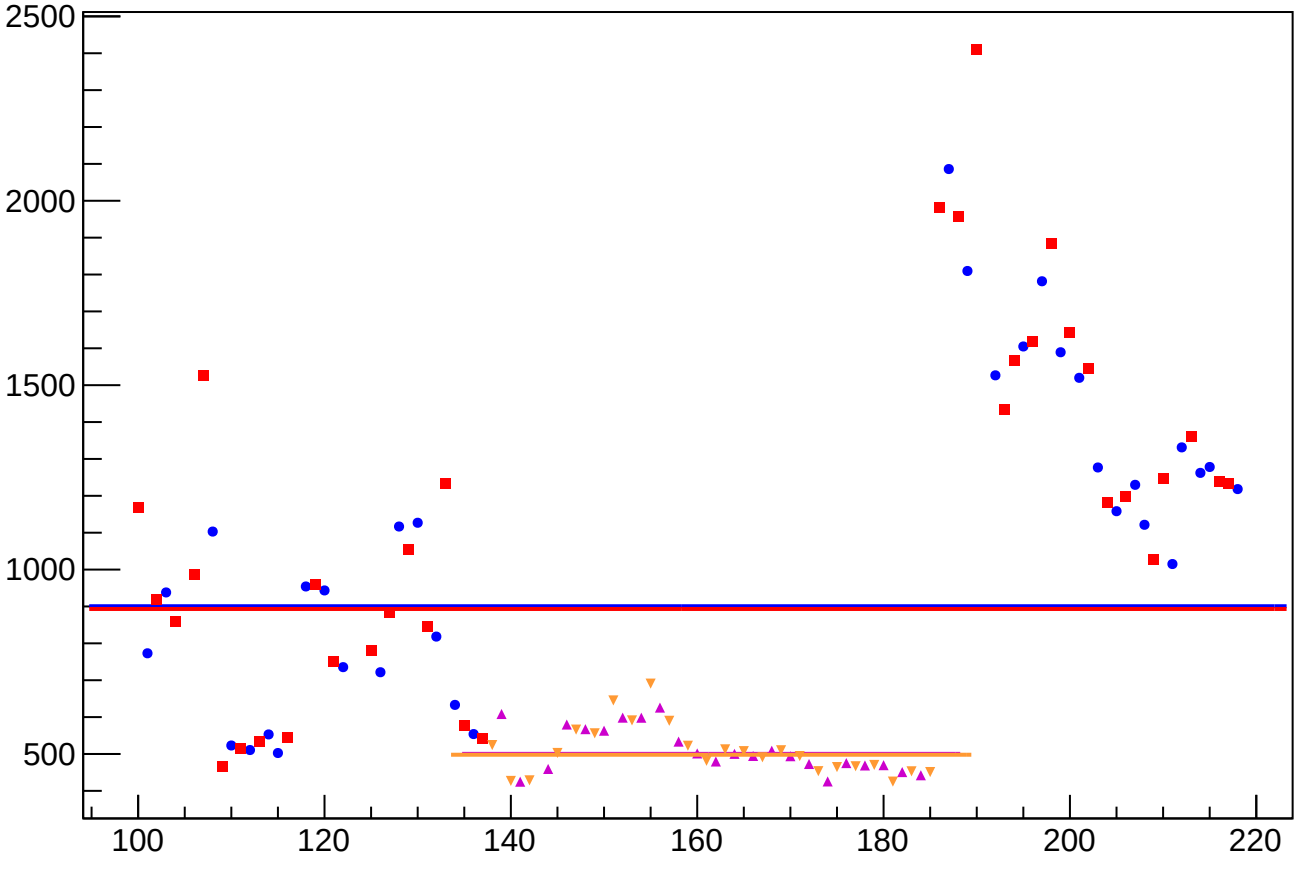
Left In: -83.154+/-117.808 χ^2/NDF:28.1/22

+ sign -543.643+/-102.703 χ^2/NDF: 116.3/55

All: -396.053+/-72.945 χ^2/NDF: 185.2/112

- sign -245.810+/-103.622 χ^2/NDF: 64.8/56

asym_us_dd_reg_correction_rms vs Slug



Right In: 900.608+/-0.153 χ^2/NDF: 5415645.4/31

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

Right Out: 893.197+/-0.154 χ^2/NDF: 6652568.5/33

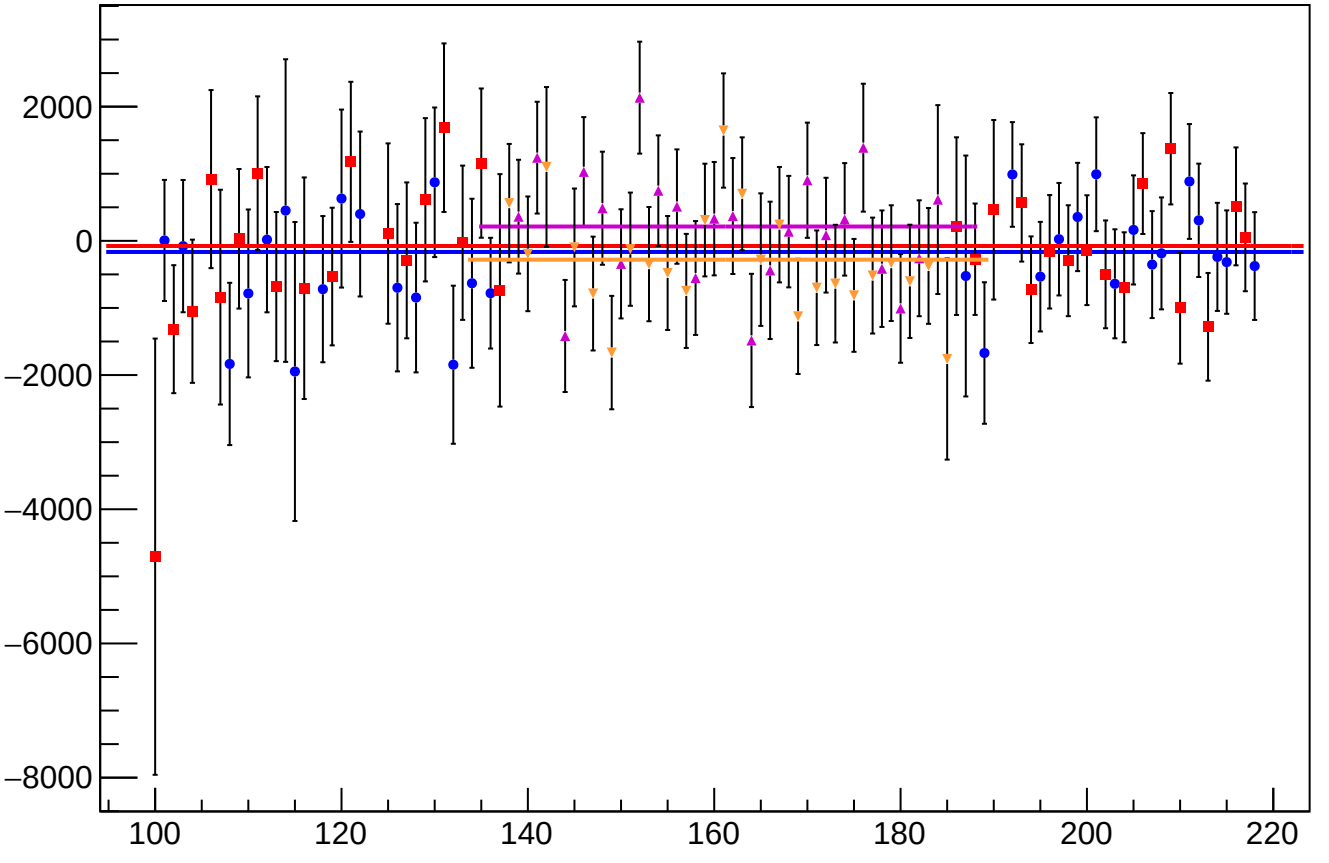
Left In: 500.307+/-0.083 χ^2/NDF:477388.4/22

+ sign 588.826+/-0.073 χ^2/NDF: 11314043.2/55

All: 589.026+/-0.052 χ^2/NDF: 23478657.6/11

- sign 589.230+/-0.073 χ^2/NDF: 12164599.1/56

cor_asym_us_dd_mean vs Slug



Right In: -165.692+/-170.839 χ^2/NDF: 17.2/31

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

Right Out: -76.676+/-171.511 χ^2/NDF: 22.7/33

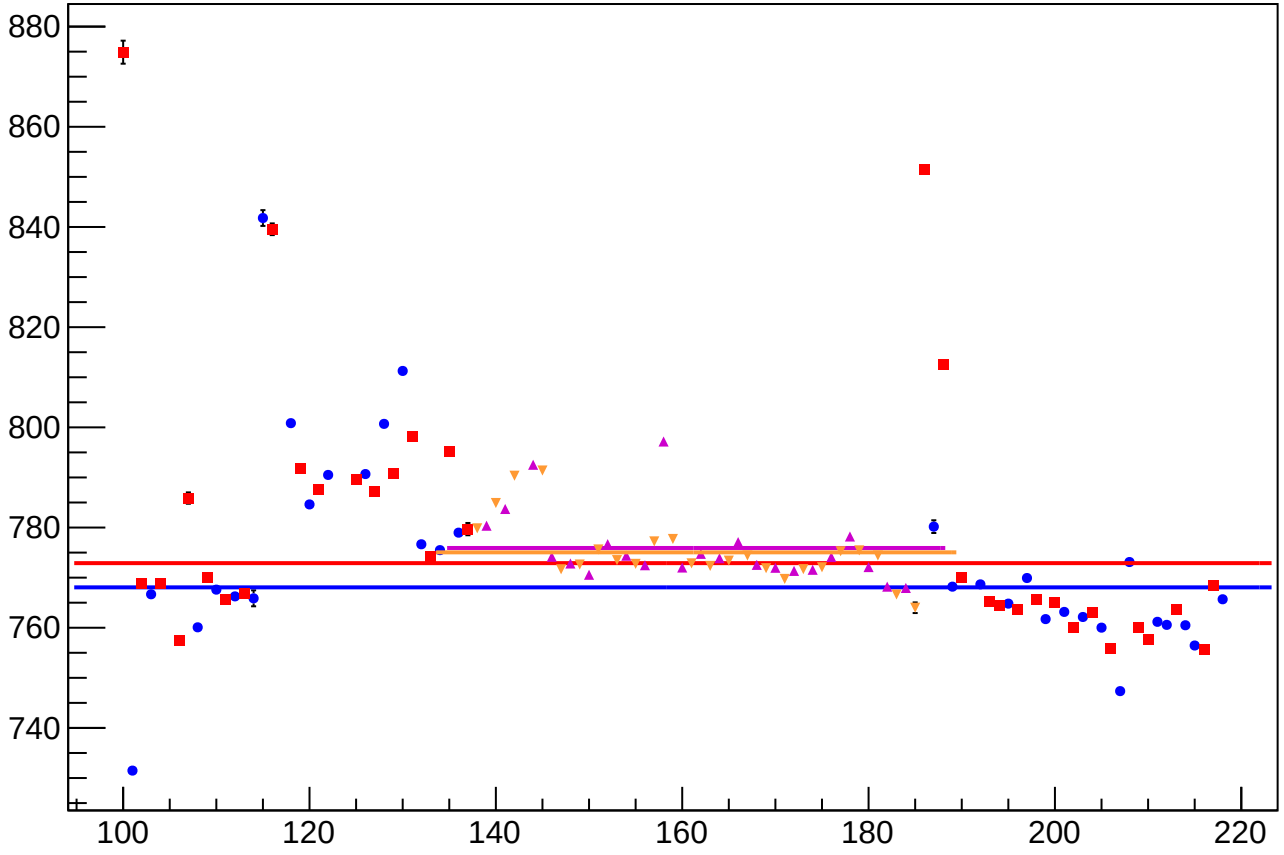
Left In: 213.425+/-181.168 χ^2/NDF:22.4/22

+ sign -220.074+/-123.875 χ^2/NDF: 33.5/55

All: -80.582+/-87.831 χ^2/NDF: 82.4/112

- sign 60.437+/-124.550 χ^2/NDF: 46.4/56

cor_asym_us_dd_rms vs Slug



Right In: 768.061+/-0.121 χ^2/NDF: 17253.0/31

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

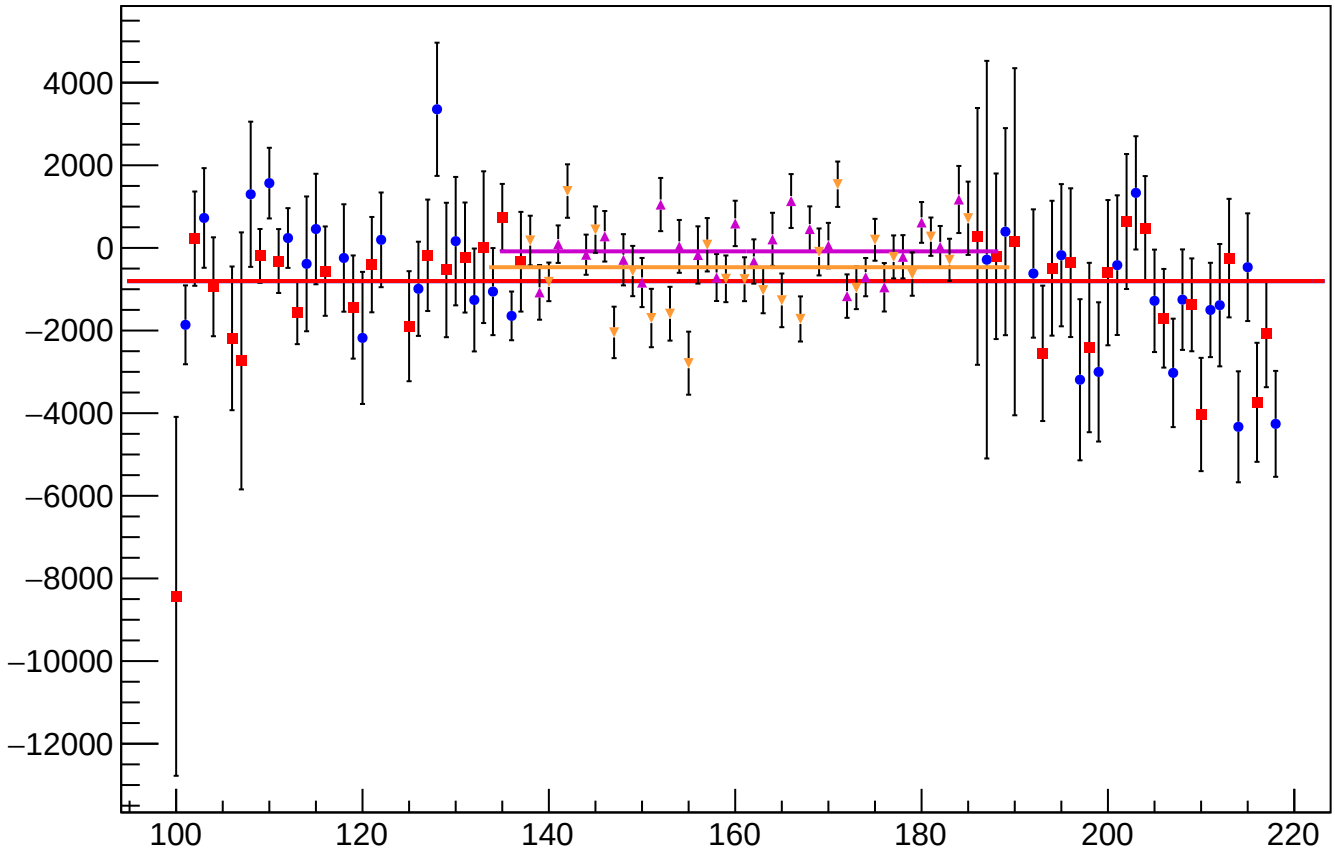
Right Out: 772.897+/-0.121 χ^2/NDF: 26215.3/33

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

+ sign 771.375+/-0.088 χ^2/NDF: 20791.3/55

All: 772.843+/-0.062 χ^2/NDF: 50838.1/112

- sign 774.327+/-0.088 χ^2/NDF: 29482.3/56



Right In: -806.121+/-216.200 χ^2/NDF: 49.9/31

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

Right Out: -801.814+/-217.811 χ^2/NDF: 28.2/33

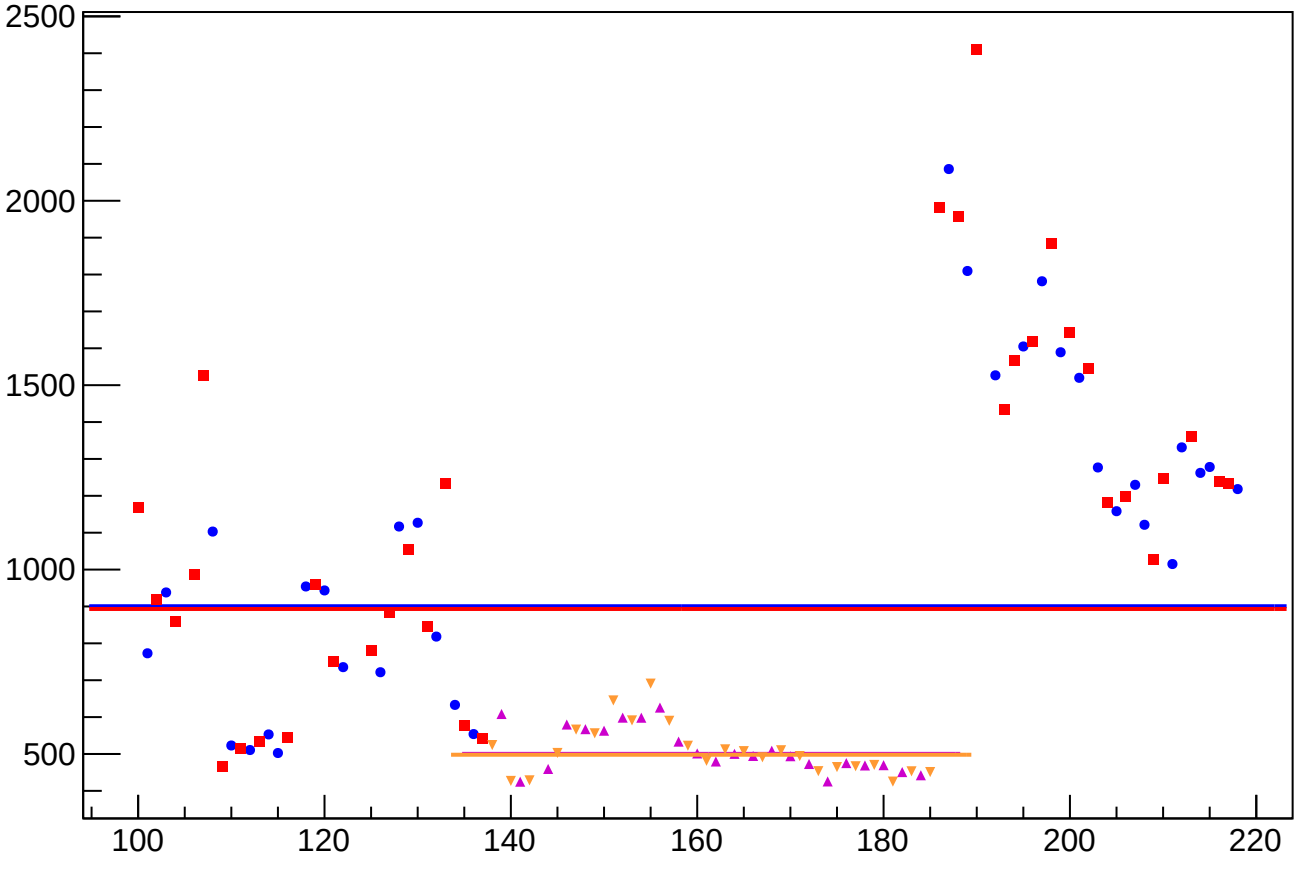
Left In: -83.154+/-117.808 χ^2/NDF:28.1/22

\+ sign -543.643+/-102.703 χ^2/NDF: 116.3/55

All: -396.053+/-72.945 χ^2/NDF: 185.2/112

\- sign -245.810+/-103.622 χ^2/NDF: 64.8/56

asym_us_dd_cor_correction_rms vs Slug



Right In: 900.608+/-0.153 χ^2/NDF: 5415645.4/31

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

Right Out: 893.197+/-0.154 χ^2/NDF: 6652568.5/33

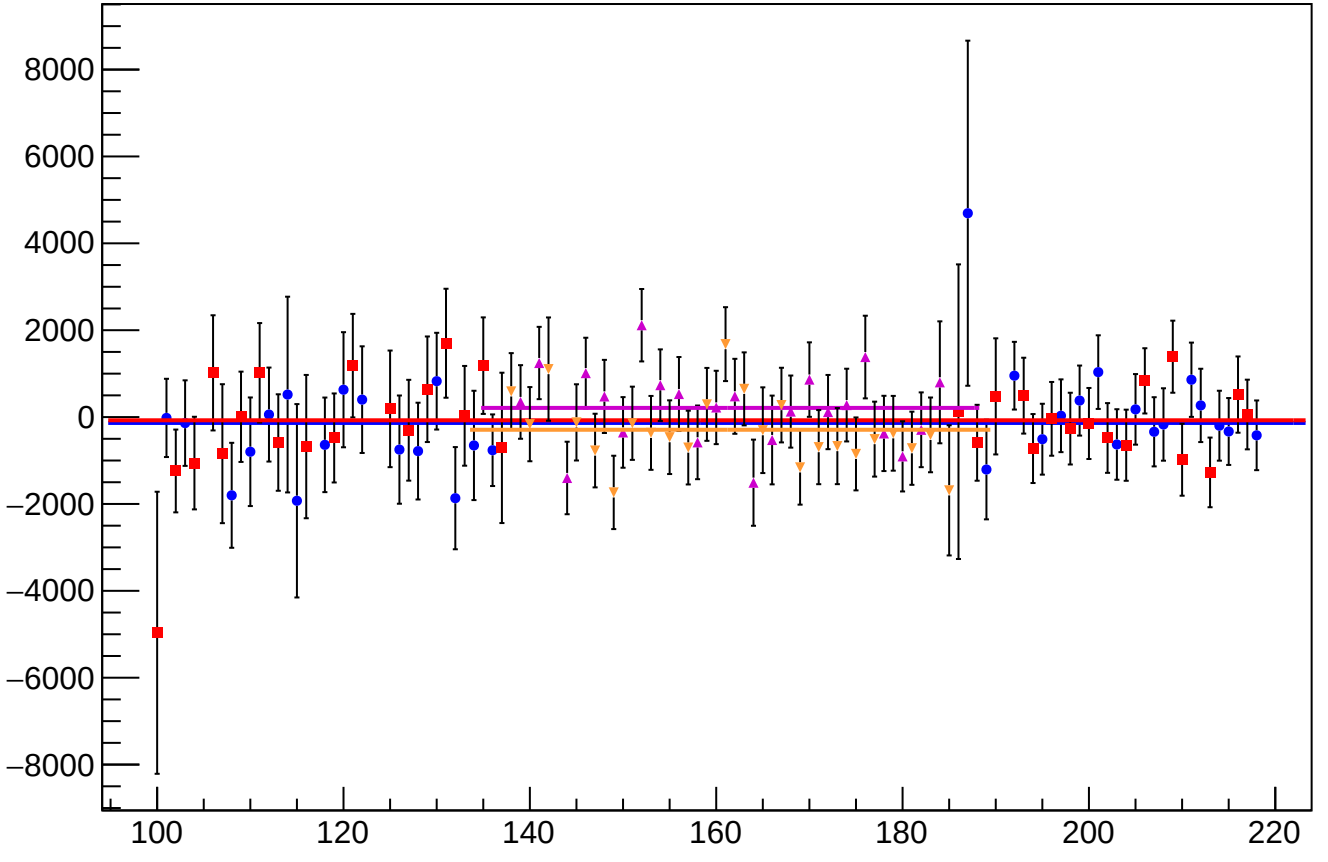
Left In: 500.307+/-0.083 χ^2/NDF:477388.4/22

+ sign 588.826+/-0.073 χ^2/NDF: 11314043.2/55

All: 589.026+/-0.052 χ^2/NDF: 23478657.6/11

- sign 589.230+/-0.073 χ^2/NDF: 12164599.1/56

overload_cor_asym_us_dd_mean vs Slug



Right In: -134.791+/-171.669 χ^2/NDF: 17.2/31

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

Right Out: -73.872+/-173.011 χ^2/NDF: 22.8/33

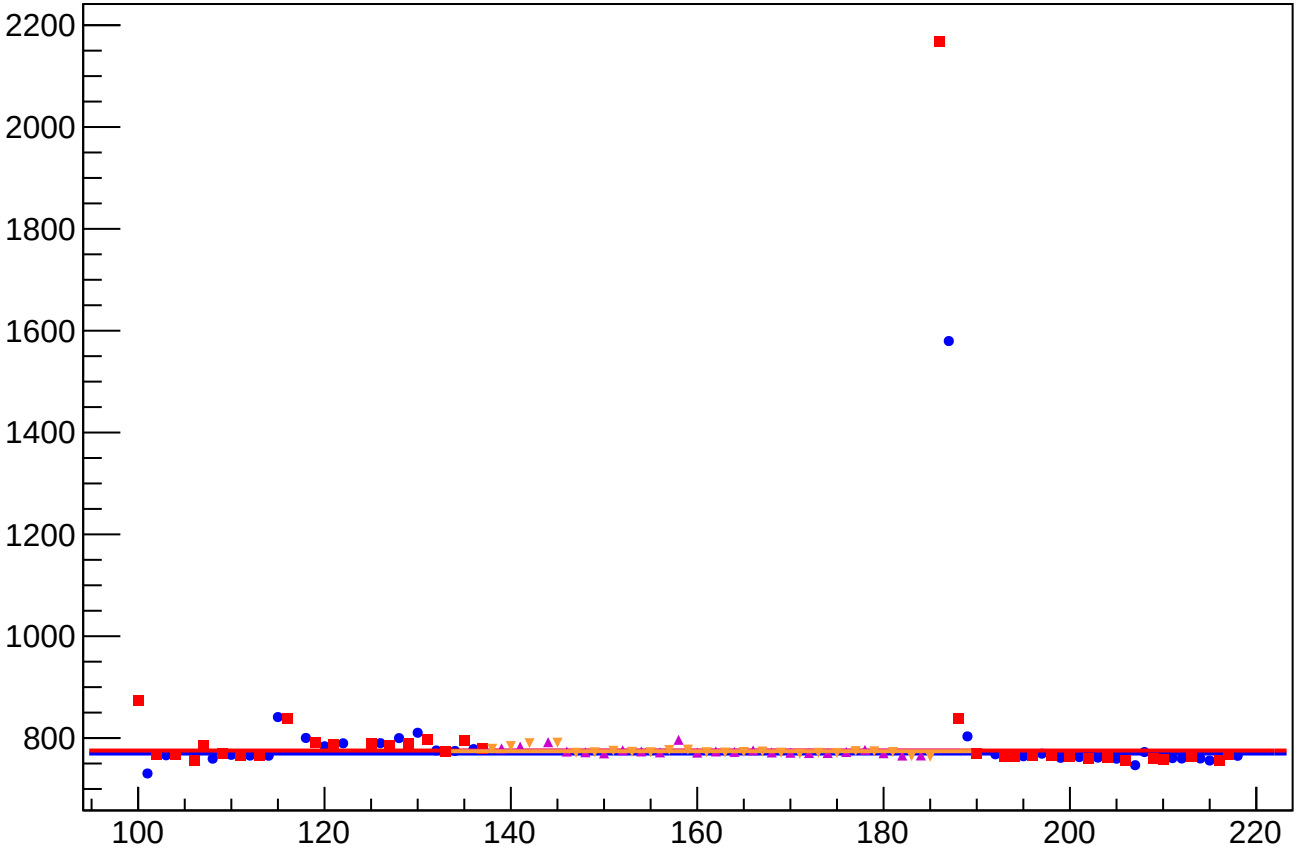
Left In: 211.238+/-180.951 χ^2/NDF:22.1/22

+ sign -209.834+/-124.120 χ^2/NDF: 34.2/55

All: -74.787+/-88.093 χ^2/NDF: 82.8/112

- sign 62.291+/-125.050 χ^2/NDF: 46.3/56

overload_cor_asym_us_dd_rms vs Slug



Right In: 769.610+/-0.121 χ^2/NDF: 102423.9/31

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

Right Out: 775.488+/-0.122 χ^2/NDF: 363566.5/33

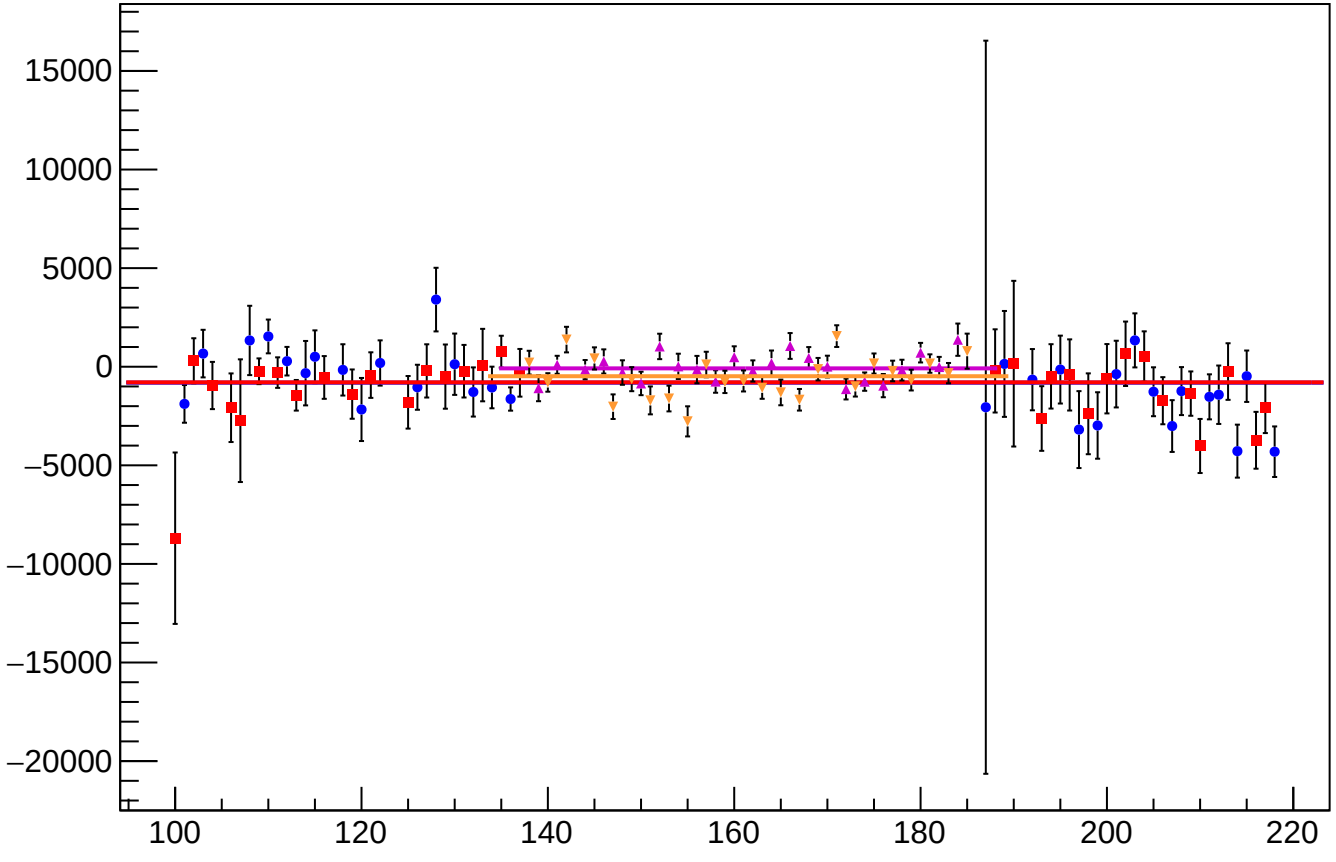
Left In: 774.990+/-0.128 χ^2/NDF:3148.2/22

+ sign 771.773+/-0.088 χ^2/NDF: 105149.5/55

All: 773.498+/-0.062 χ^2/NDF: 472651.0/112

- sign 775.250+/-0.088 χ^2/NDF: 366722.6/56

asym_us_dd_overload_cor_correction_mean vs Slug



Right In: -807.945+/-216.737 χ^2/NDF: 49.9/31

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

Right Out: -791.612+/-218.726 χ^2/NDF: 28.1/32

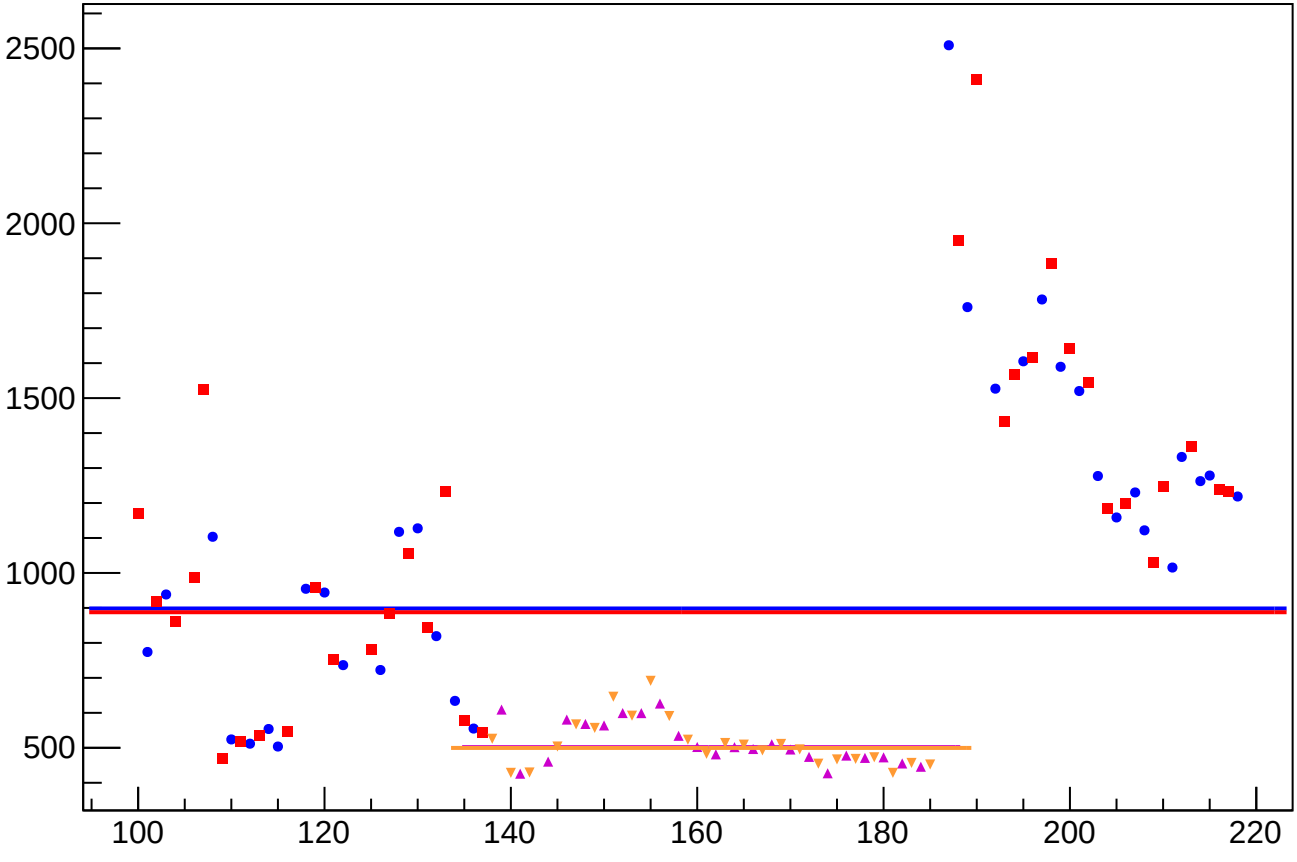
Left In: -83.196+/-118.194 χ^2/NDF:28.2/22

+ sign -555.108+/-103.019 χ^2/NDF: 115.2/55

All: -400.659+/-73.184 χ^2/NDF: 184.2/111

- sign -243.305+/-103.983 χ^2/NDF: 64.5/55

asym_us_dd_overload_cor_correction_rms vs Slug



Right In: 898.416+/-0.153 χ^2/NDF: 5232651.1/31

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

Right Out: 887.686+/-0.155 χ^2/NDF: 6318152.8/32

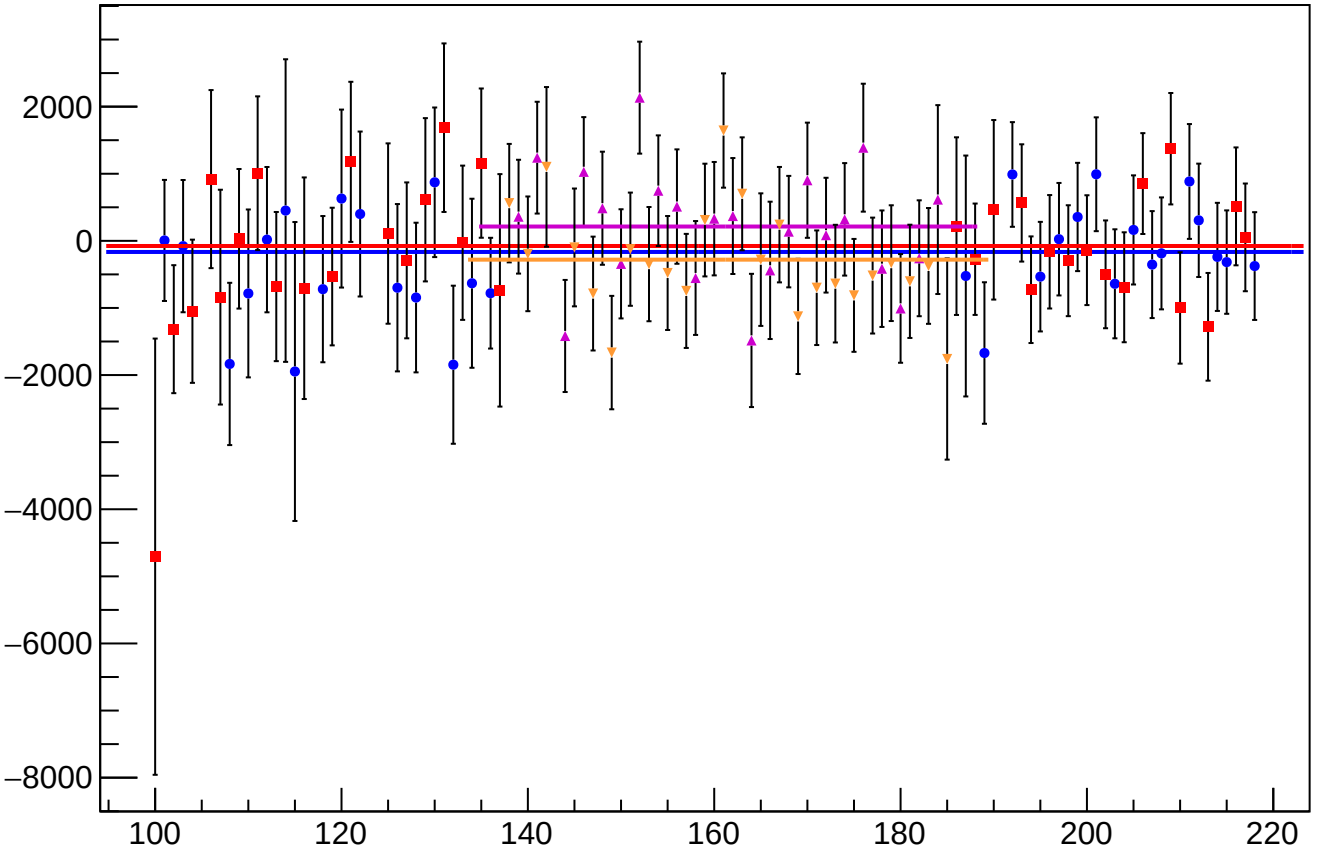
Left In: 502.026+/-0.084 χ^2/NDF:467449.2/22

+ sign 589.757+/-0.073 χ^2/NDF: 10989052.9/55

All: 589.476+/-0.052 χ^2/NDF: 22587227.7/11

- sign 589.189+/-0.074 χ^2/NDF: 11598144.7/55

eigen_cor_asym_us_dd_mean vs Slug



Right In: -165.692+/-170.839 χ^2/NDF: 17.2/31

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

Right Out: -76.676+/-171.511 χ^2/NDF: 22.7/33

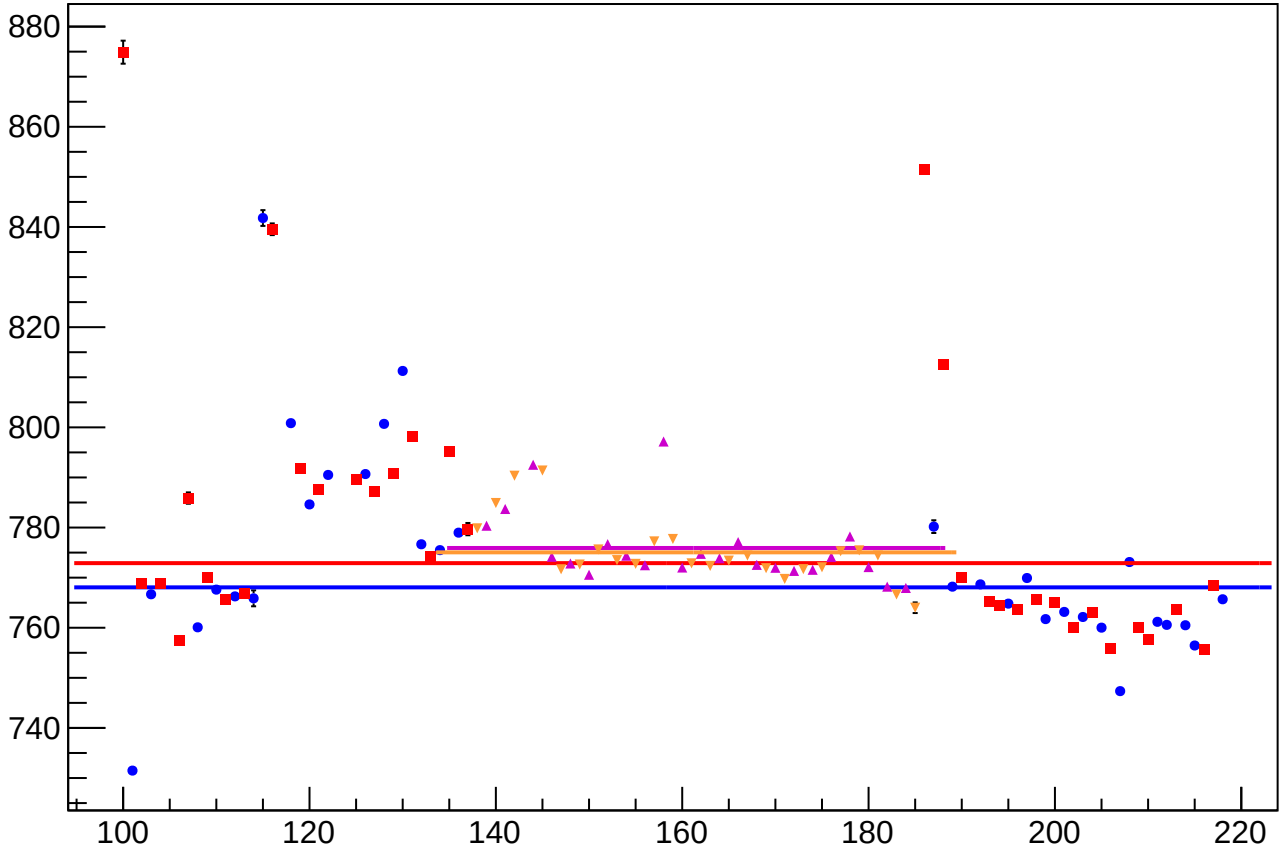
Left In: 213.425+/-181.168 χ^2/NDF:22.4/22

+ sign -220.074+/-123.875 χ^2/NDF: 33.5/55

All: -80.582+/-87.831 χ^2/NDF: 82.4/112

- sign 60.437+/-124.550 χ^2/NDF: 46.4/56

eigen_cor_asym_us_dd_rms vs Slug



Right In: 768.061+/-0.121 χ^2/NDF: 17253.0/31

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

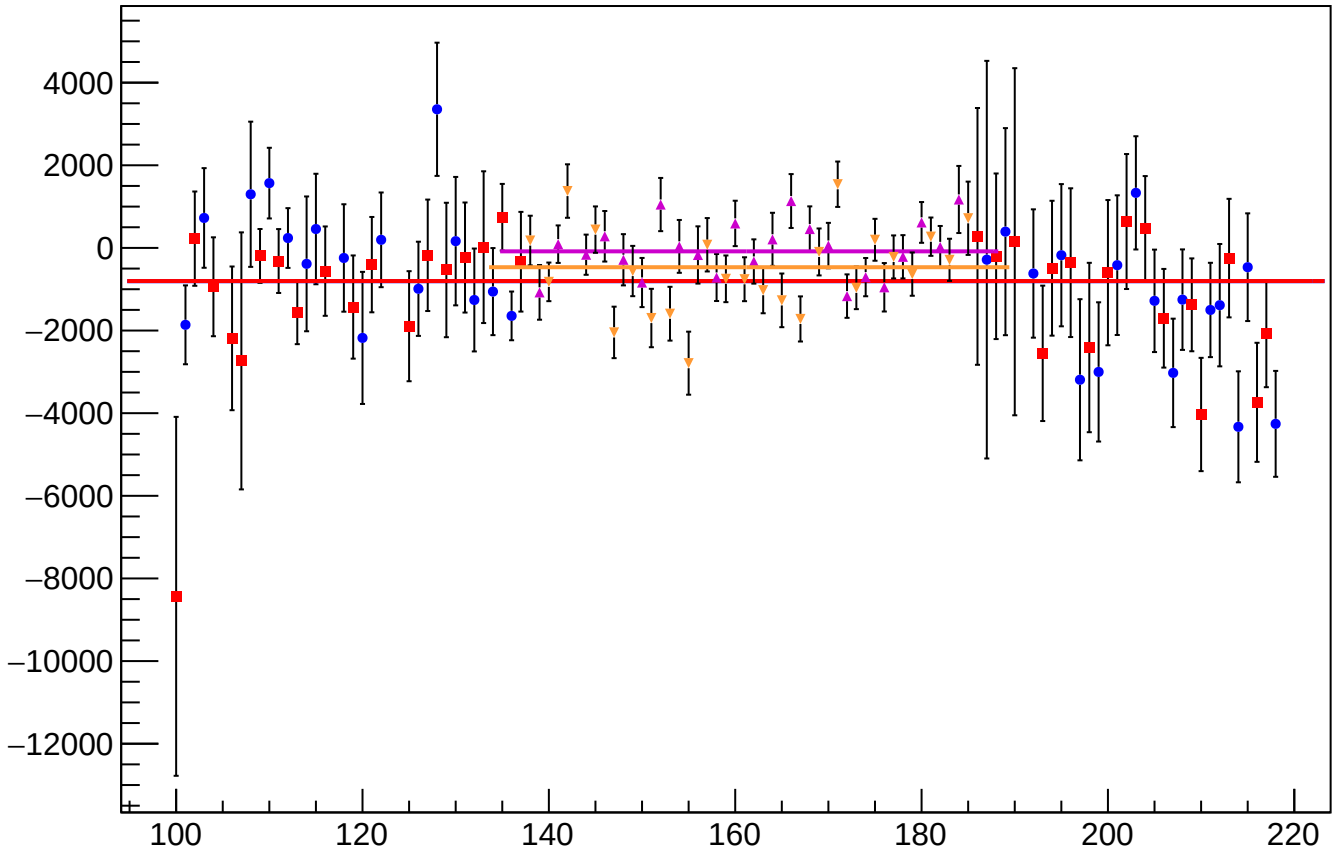
Right Out: 772.897+/-0.121 χ^2/NDF: 26215.3/33

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

+ sign 771.375+/-0.088 χ^2/NDF: 20791.3/55

All: 772.843+/-0.062 χ^2/NDF: 50838.1/112

- sign 774.327+/-0.088 χ^2/NDF: 29482.3/56



Right In: -806.121+/-216.200 χ^2/NDF: 49.9/31

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

Right Out: -801.814+/-217.811 χ^2/NDF: 28.2/33

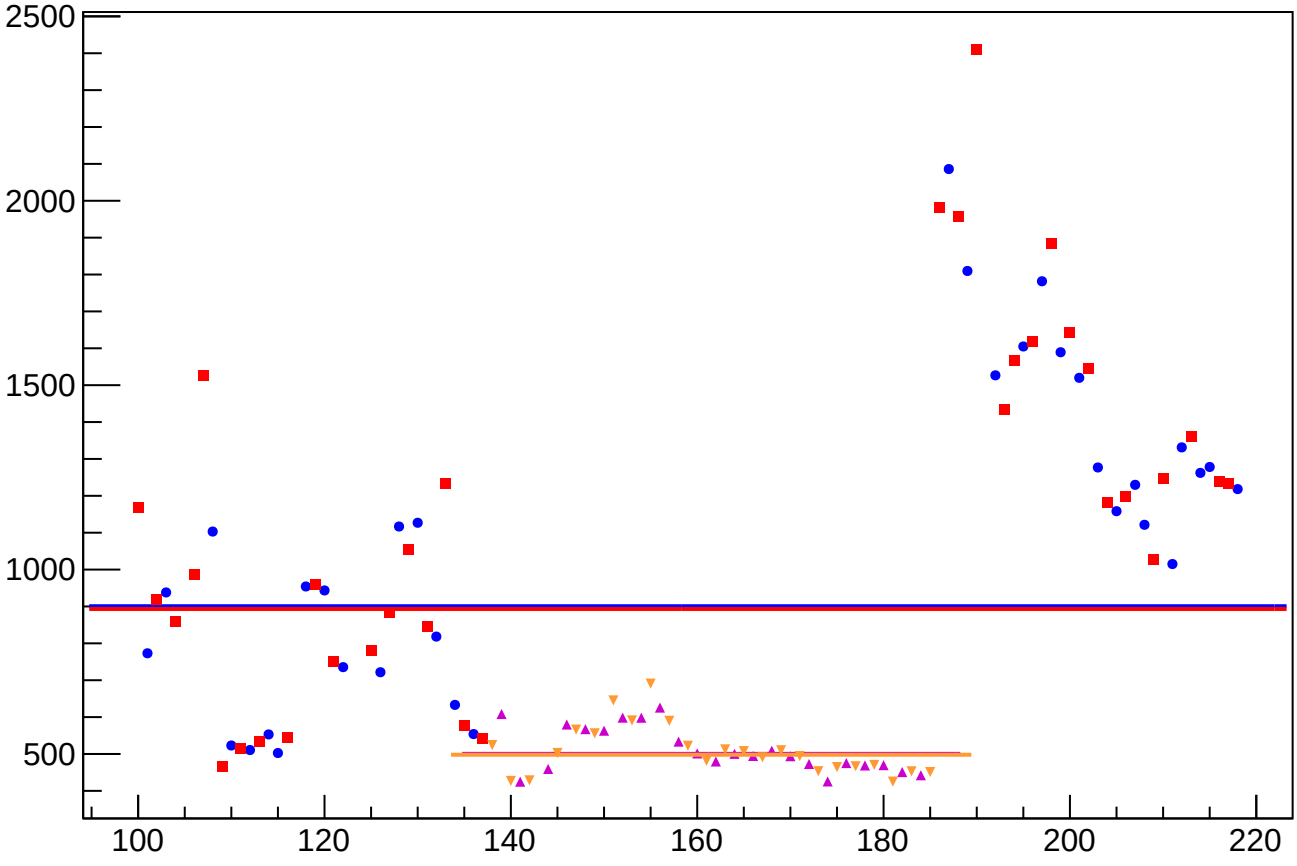
Left In: -83.154+/-117.808 χ^2/NDF:28.1/22

\+ sign -543.643+/-102.703 χ^2/NDF: 116.3/55

All: -396.053+/-72.945 χ^2/NDF: 185.2/112

\- sign -245.810+/-103.622 χ^2/NDF: 64.8/56

asym_us_dd_eigen_cor_correction_rms vs Slug



Right In: 900.608+/-0.153 χ^2/NDF: 5415645.4/31

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

Right Out: 893.197+/-0.154 χ^2/NDF: 6652568.5/33

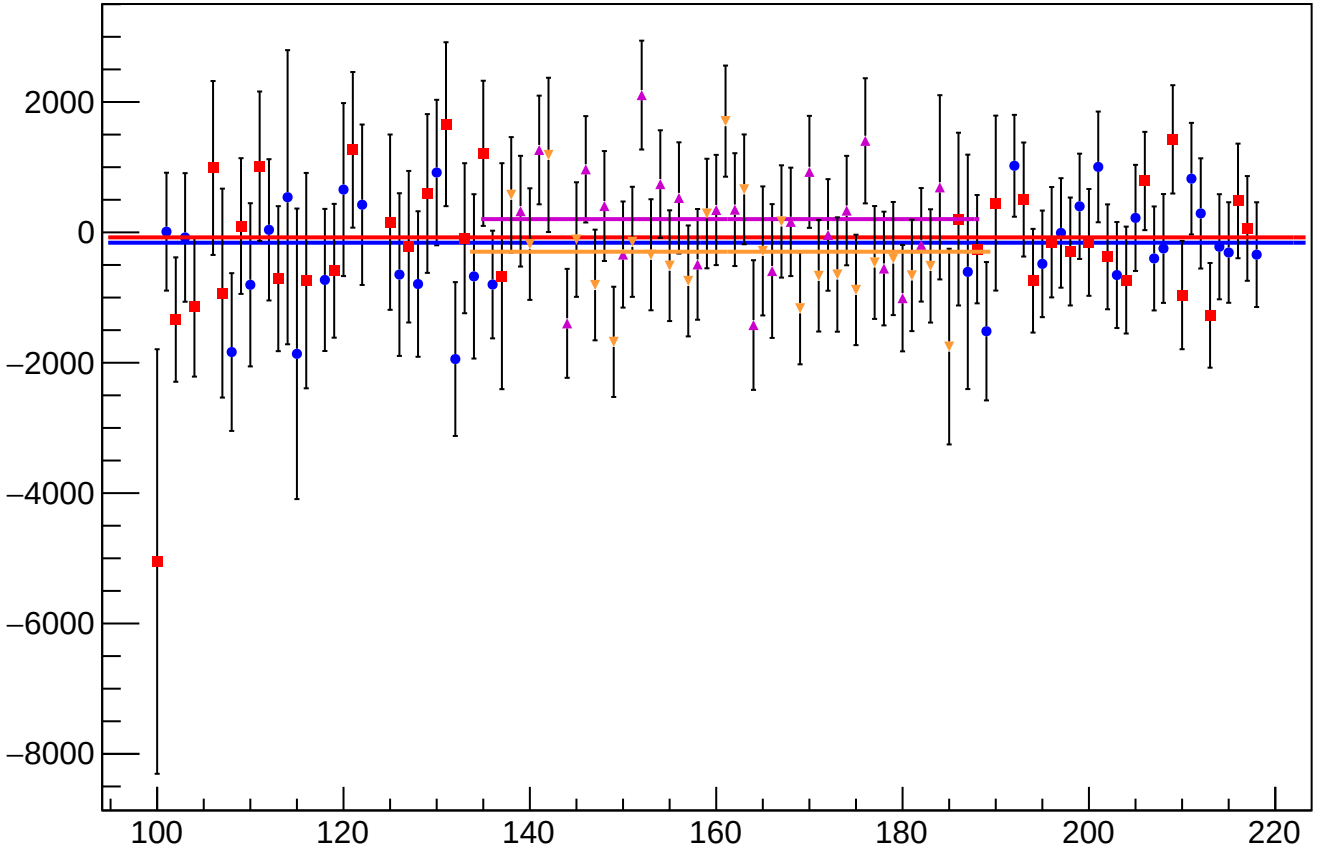
Left In: 500.307+/-0.083 χ^2/NDF:477388.4/22

+ sign 588.826+/-0.073 χ^2/NDF: 11314043.2/55

All: 589.026+/-0.052 χ^2/NDF: 23478657.6/11

- sign 589.230+/-0.073 χ^2/NDF: 12164599.1/56

dit_asym_us_dd_mean vs Slug



Right In: -158.638+/-171.034 χ^2/NDF: 17.2/31

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

Right Out: -76.608+/-171.710 χ^2/NDF: 23.3/33

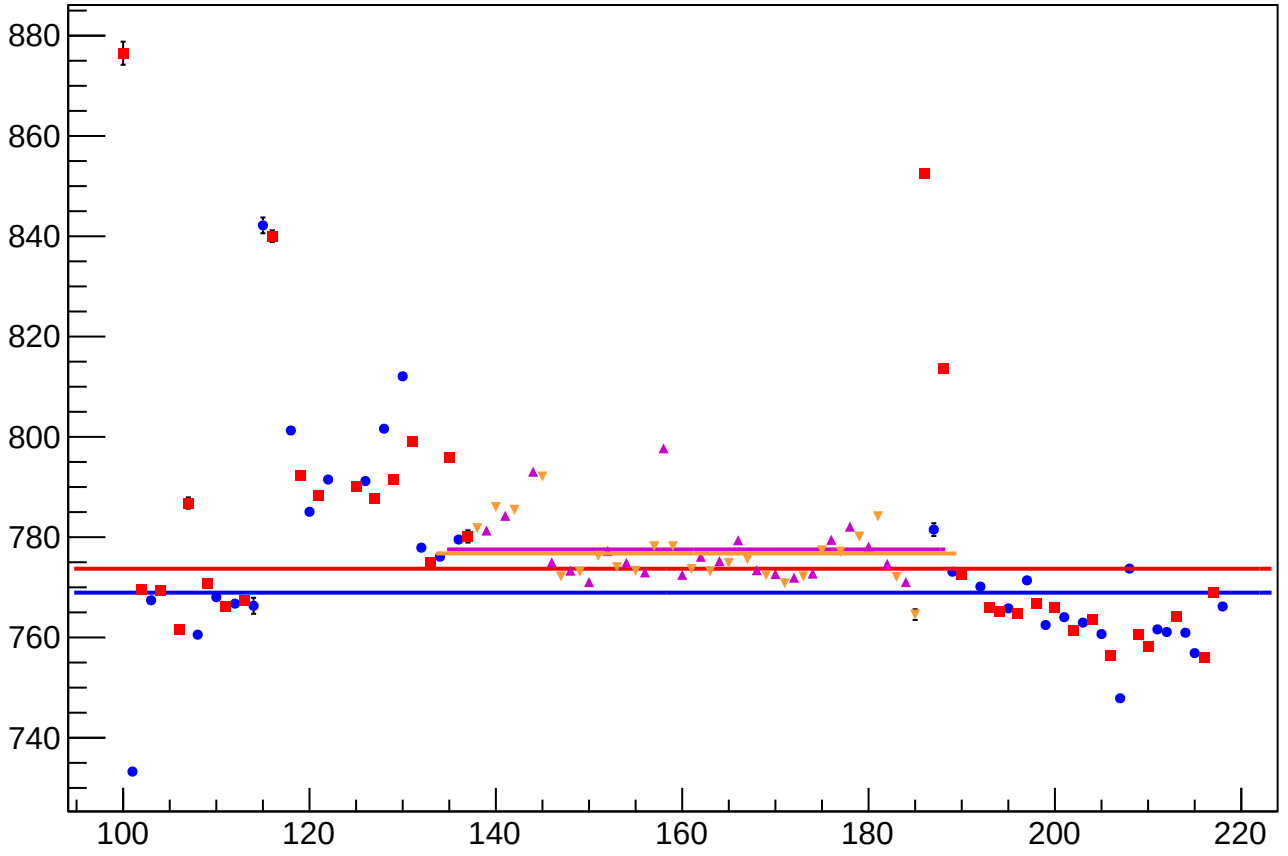
Left In: 203.339+/-181.548 χ^2/NDF:22.1/22

+ sign -224.071+/-124.079 χ^2/NDF: 34.2/55

All: -85.002+/-87.974 χ^2/NDF: 83.4/112

- sign 55.575+/-124.750 χ^2/NDF: 46.6/56

dit_asym_us_dd_rms vs Slug



Right In: 768.936+/-0.121 χ^2/NDF: 17136.4/31

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

Right Out: 773.713+/-0.121 χ^2/NDF: 26167.1/33

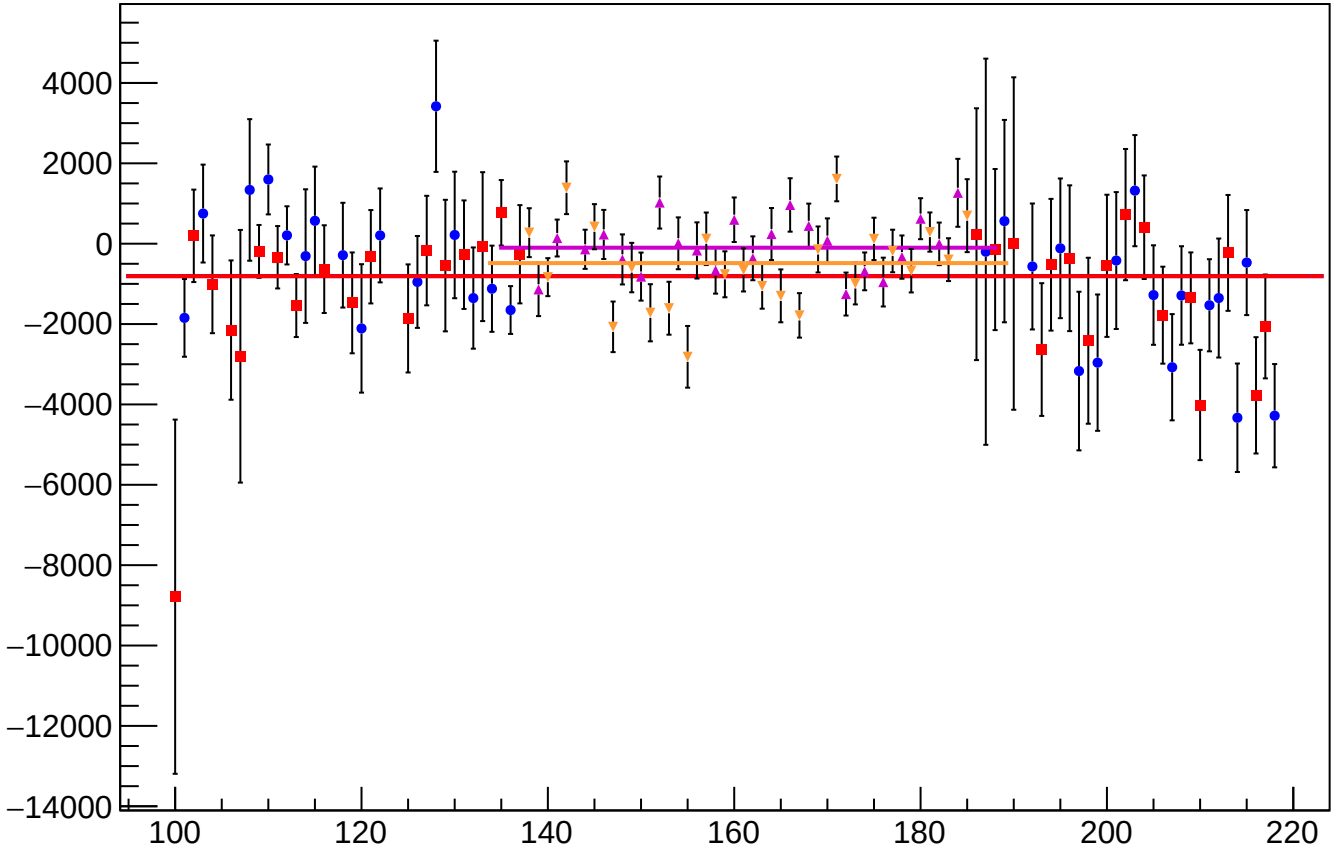
Left In: 777.550+/-0.128 χ^2/NDF:2750.7/22

+ sign 772.638+/-0.088 χ^2/NDF: 20940.5/55

All: 774.074+/-0.062 χ^2/NDF: 50868.2/112

- sign 775.525+/-0.088 χ^2/NDF: 29389.3/56

asym_us_dd_dit_correction_mean vs Slug



Right In: -806.971+/-217.985 χ^2/NDF: 49.9/31

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

Right Out: -808.365+/-219.530 χ^2/NDF: 28.4/33

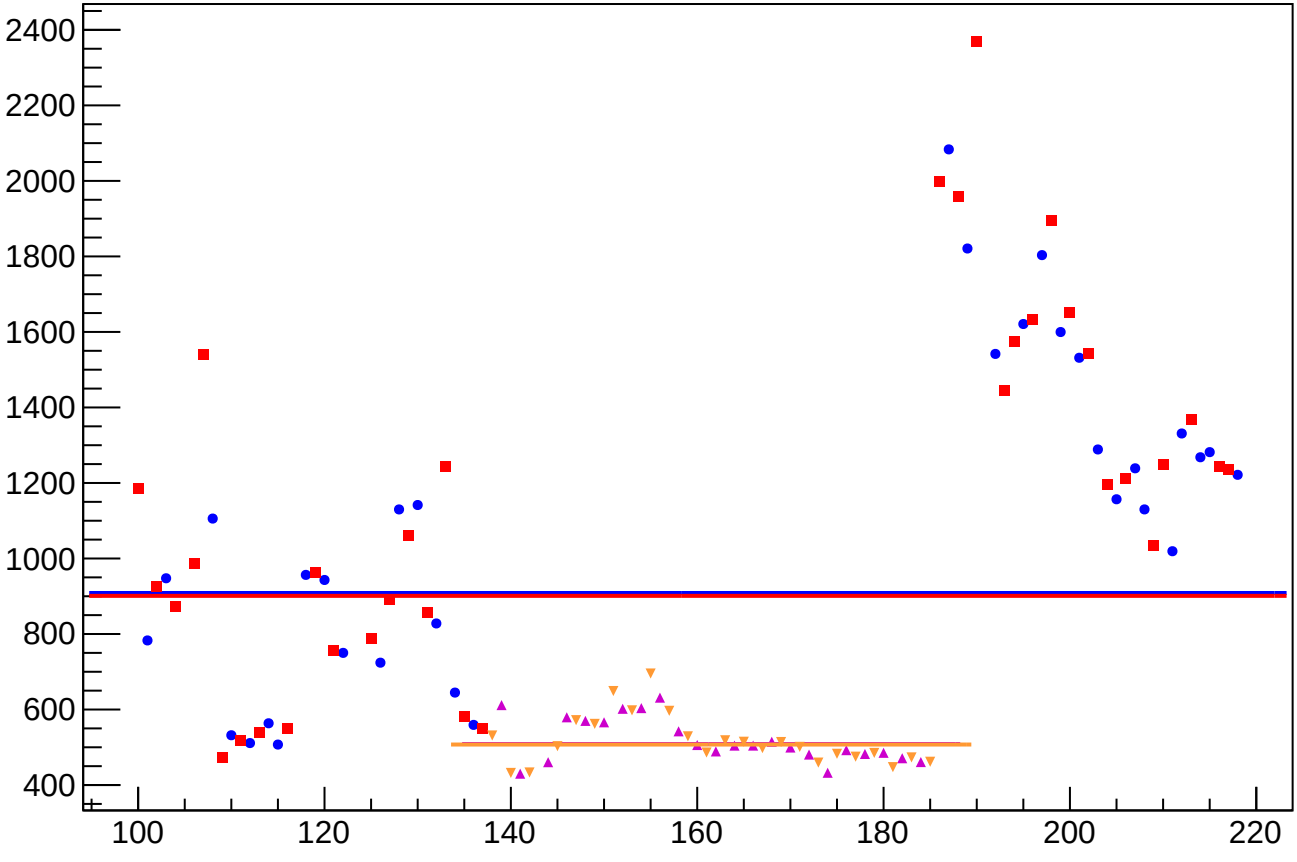
Left In: -99.985+/-119.677 χ^2/NDF:27.4/22

+ sign -557.106+/-104.318 χ^2/NDF: 116.7/55

All: -410.760+/-74.031 χ^2/NDF: 184.5/112

- sign -262.277+/-105.077 χ^2/NDF: 63.8/56

asym_us_dd_dit_correction_rms vs Slug



Right In: 908.629+/-0.154 χ^2/NDF: 5375360.6/31

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

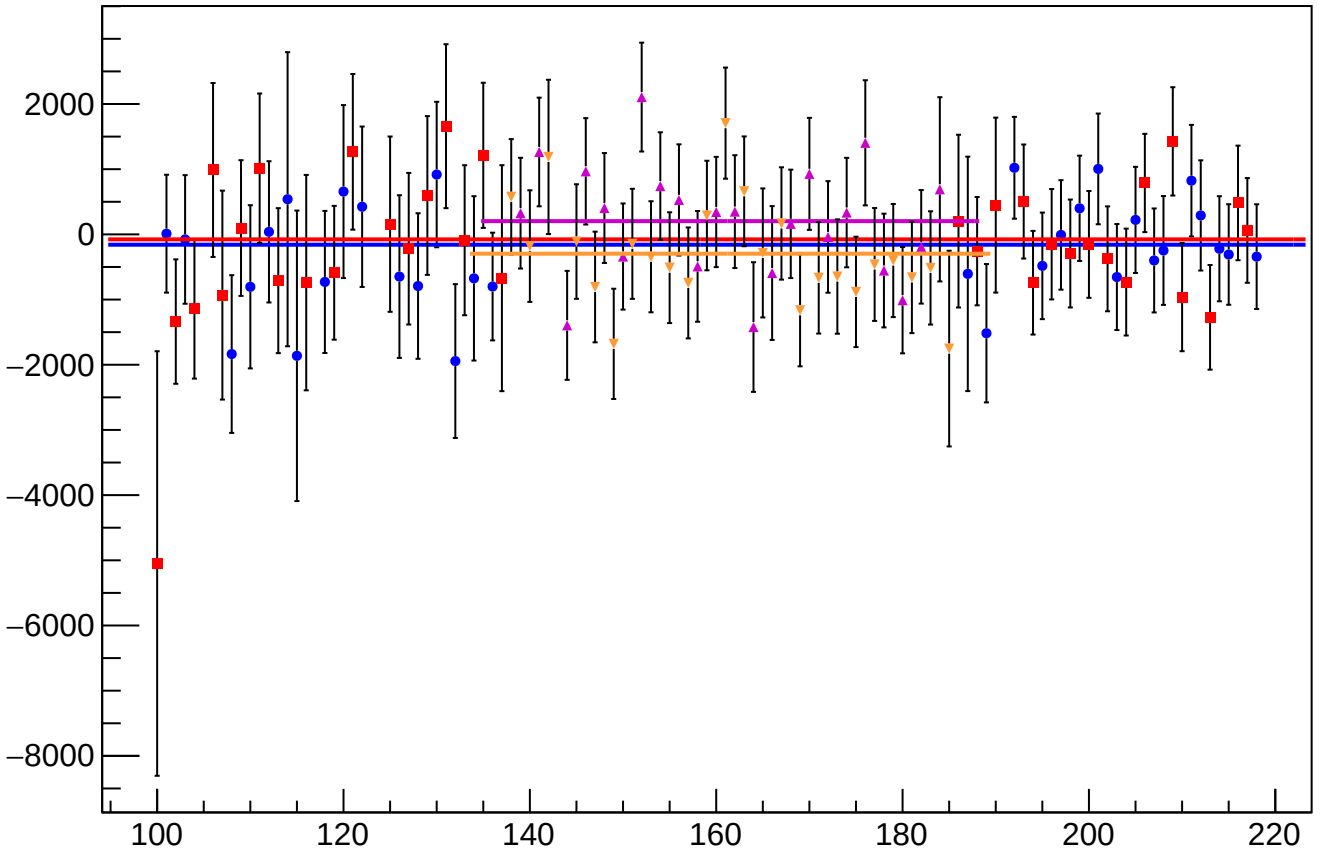
Right Out: 901.051+/-0.155 χ^2/NDF: 6597275.0/33

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

+ sign 599.225+/-0.074 χ^2/NDF: 11075478.2/55

All: 598.885+/-0.052 χ^2/NDF: 23031604.6/11

- sign 598.541+/-0.074 χ^2/NDF: 11956083.7/56



Right In: -158.639+/-171.034 χ^2/NDF: 17.2/31

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

Right Out: -76.606+/-171.710 χ^2/NDF: 23.3/33

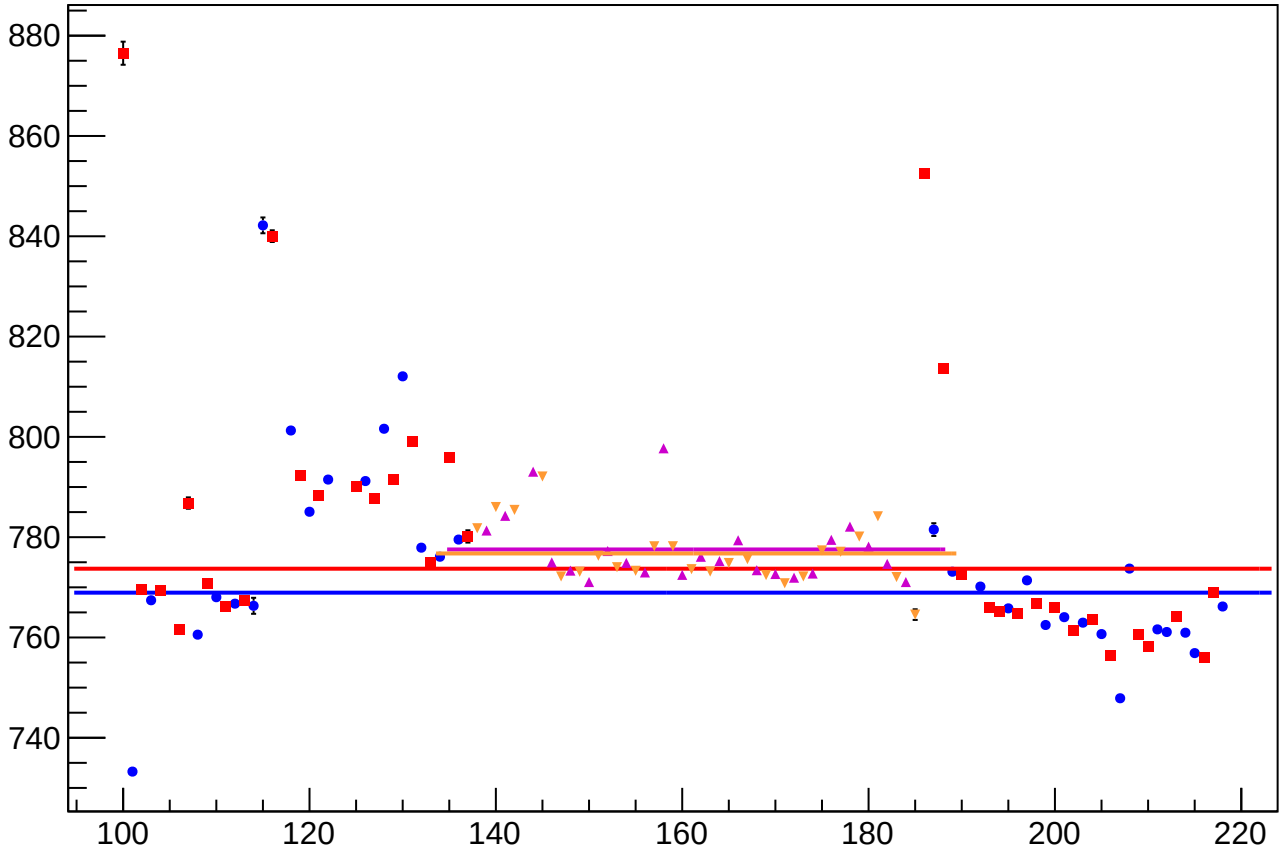
Left In: 203.338+/-181.548 χ^2/NDF:22.1/22

+ sign -224.072+/-124.079 χ^2/NDF: 34.2/55

All: -85.002+/-87.974 χ^2/NDF: 83.4/112

- sign 55.576+/-124.750 χ^2/NDF: 46.6/56

eigen_dit_asym_us_dd_rms vs Slug



Right In: 768.936+/-0.121 χ^2/NDF: 17136.3/31

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

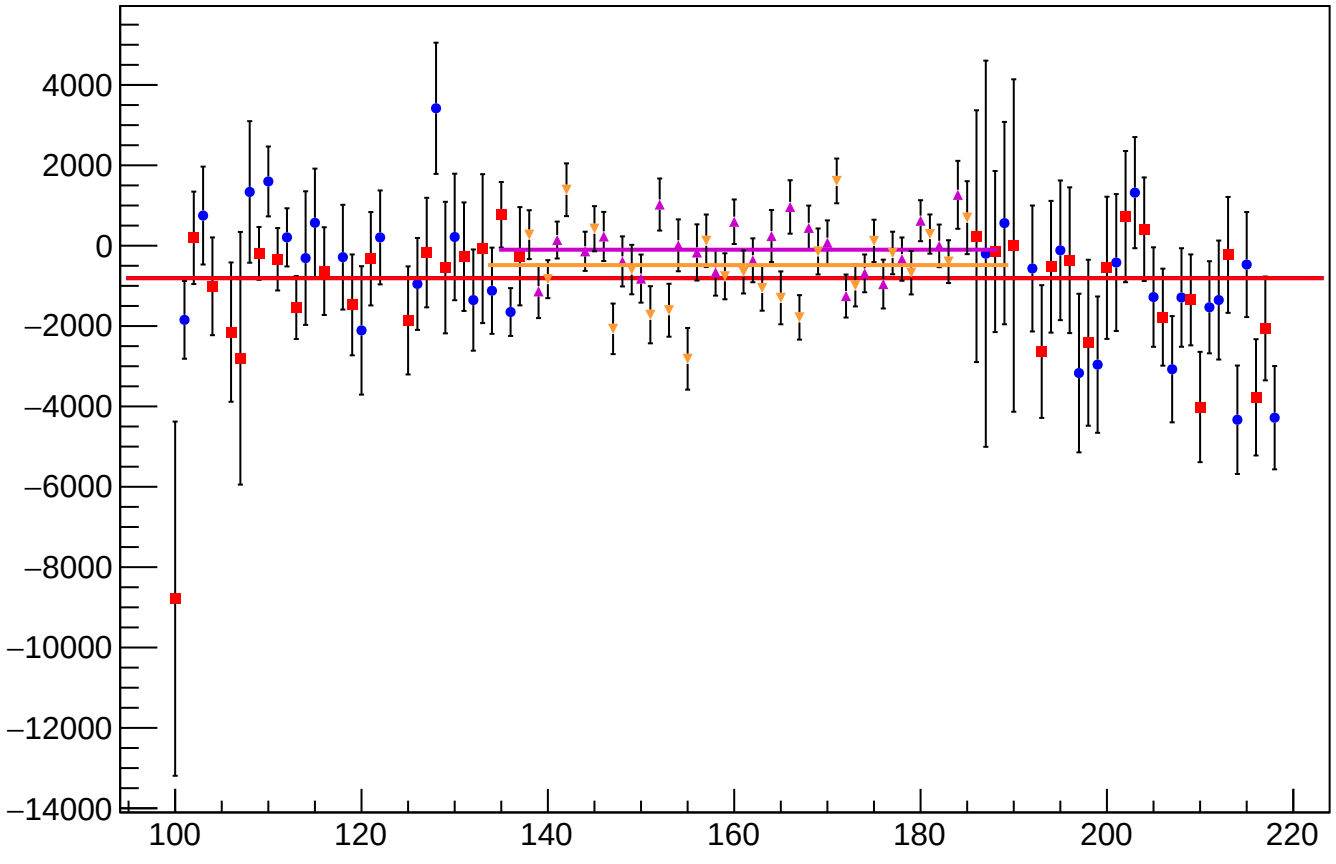
Right Out: 773.713+/-0.121 χ^2/NDF: 26167.1/33

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

+ sign 772.638+/-0.088 χ^2/NDF: 20940.5/55

All: 774.074+/-0.062 χ^2/NDF: 50868.1/112

- sign 775.525+/-0.088 χ^2/NDF: 29389.2/56



Right In: -806.964+/-217.985 χ^2/NDF: 49.9/31

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

Right Out: -808.362+/-219.529 χ^2/NDF: 28.4/33

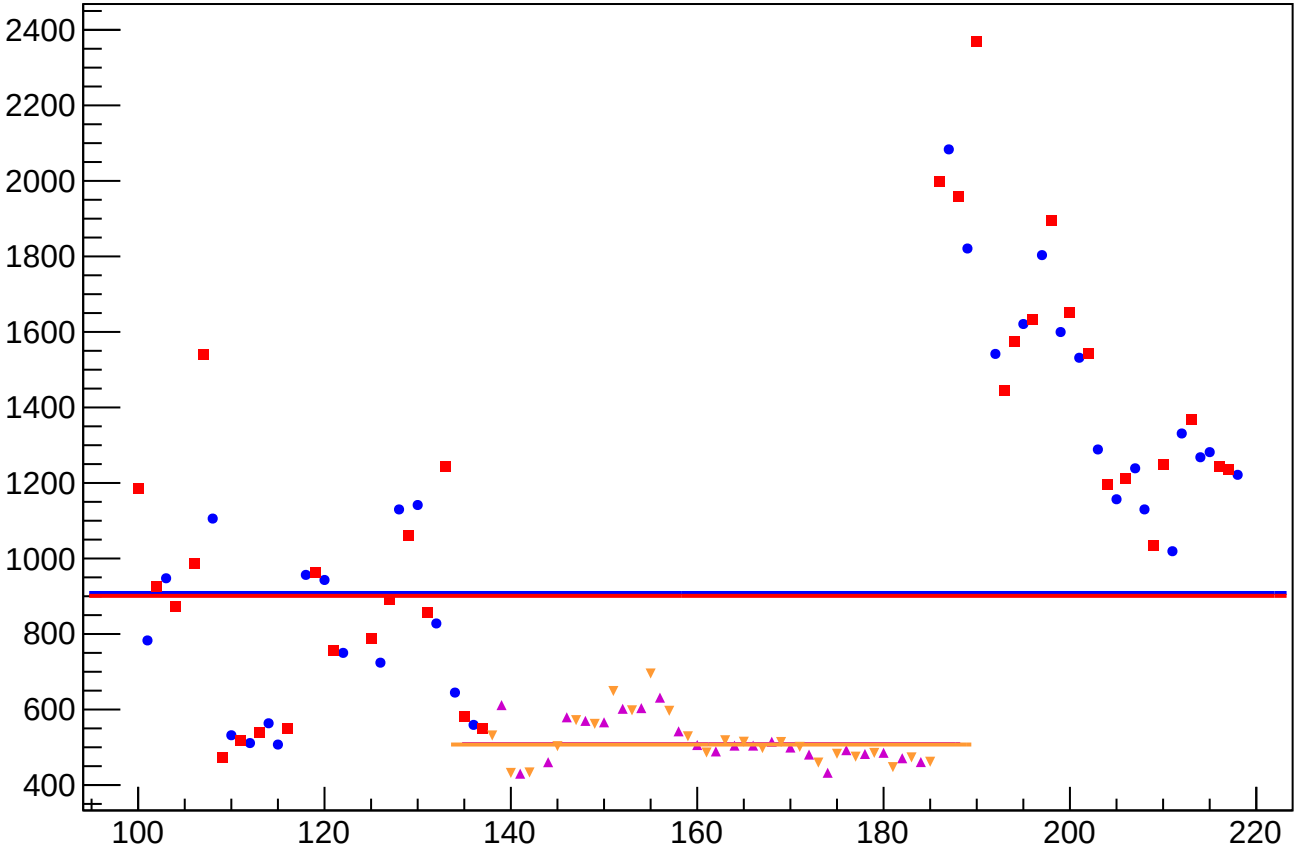
Left In: -99.985+/-119.677 χ^2/NDF:27.4/22

+ sign -557.105+/-104.318 χ^2/NDF: 116.7/55

All: -410.759+/-74.031 χ^2/NDF: 184.5/112

- sign -262.277+/-105.077 χ^2/NDF: 63.8/56

asym_us_dd_eigen_dit_correction_rms vs Slug



Right In: 908.625+/-0.154 χ^2/NDF: 5375437.4/31

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

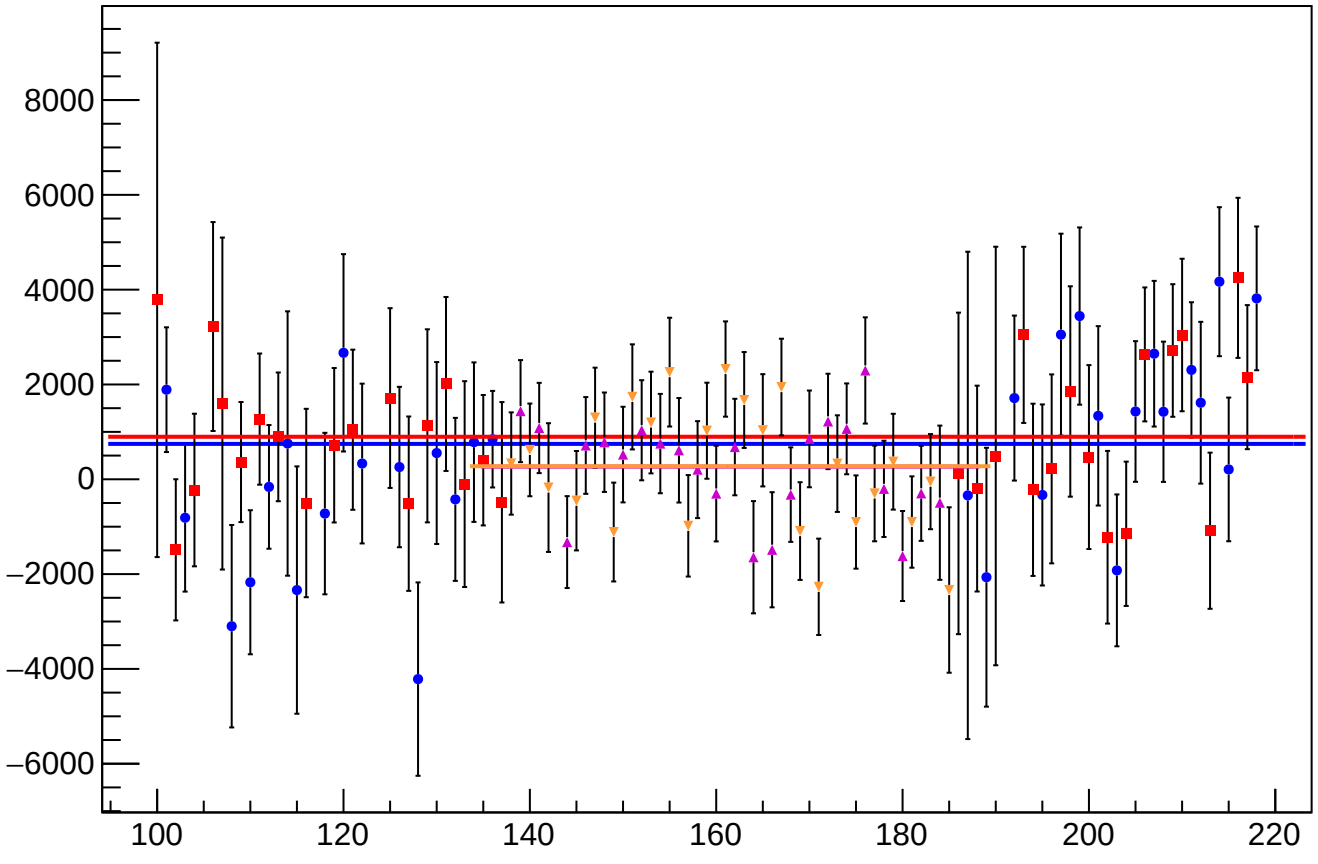
Right Out: 901.047+/-0.155 χ^2/NDF: 6597349.0/33

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

+ sign 599.225+/-0.074 χ^2/NDF: 11075494.1/55

All: 598.885+/-0.052 χ^2/NDF: 23031645.2/11

- sign 598.540+/-0.074 χ^2/NDF: 11956108.4/56



Right In: 746.676+/-296.870 χ^2/NDF: 38.9/31

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

Right Out: 897.097+/-303.558 χ^2/NDF: 23.8/33

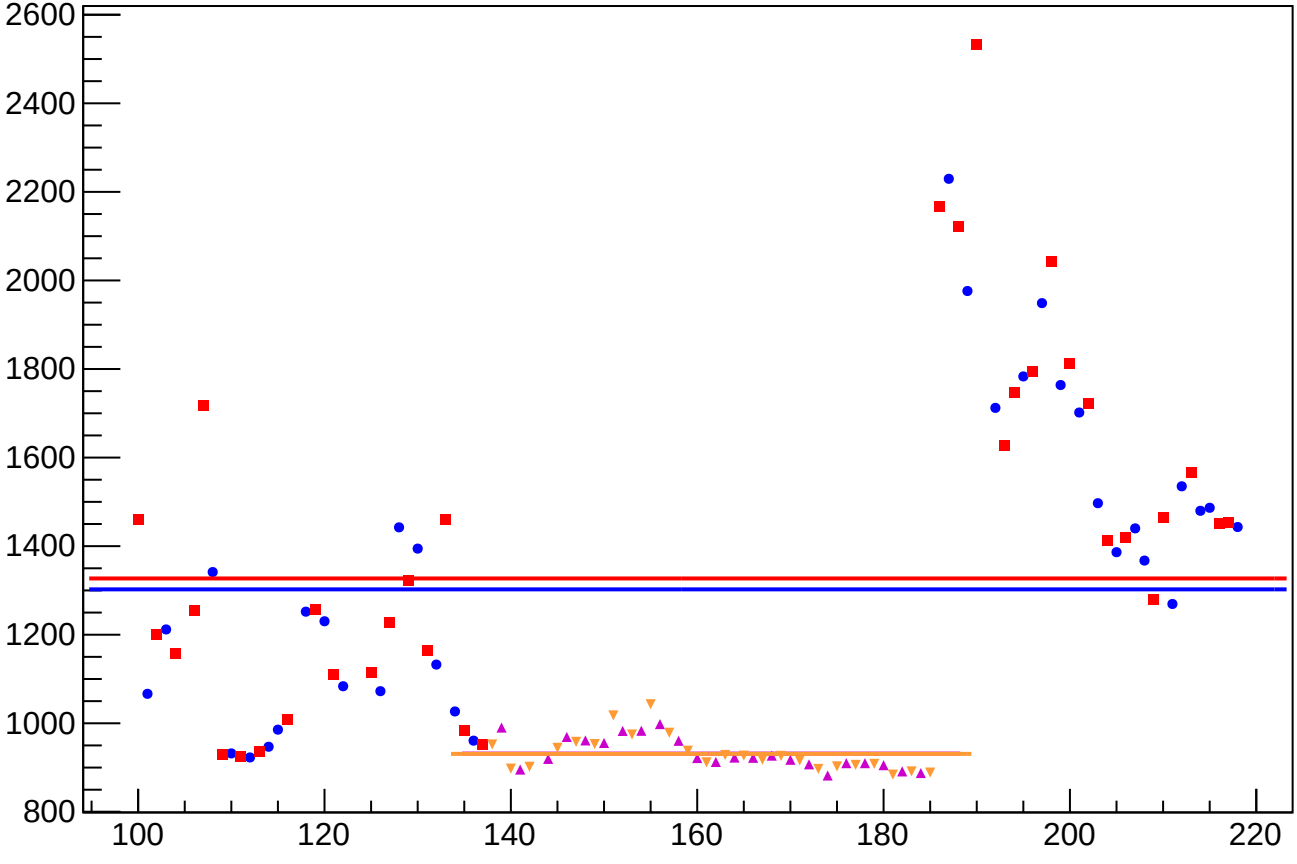
Left In: 267.059+/-217.685 χ^2/NDF:21.4/22

+ sign 438.672+/-174.814 χ^2/NDF: 74.2/55

All: 459.597+/-124.343 χ^2/NDF: 122.2/112

- sign 481.025+/-176.901 χ^2/NDF: 48.0/56

asym_us_dd_rms vs Slug



Right In: 1302.421+/-0.210 χ^2/NDF: 1795155.7/31

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

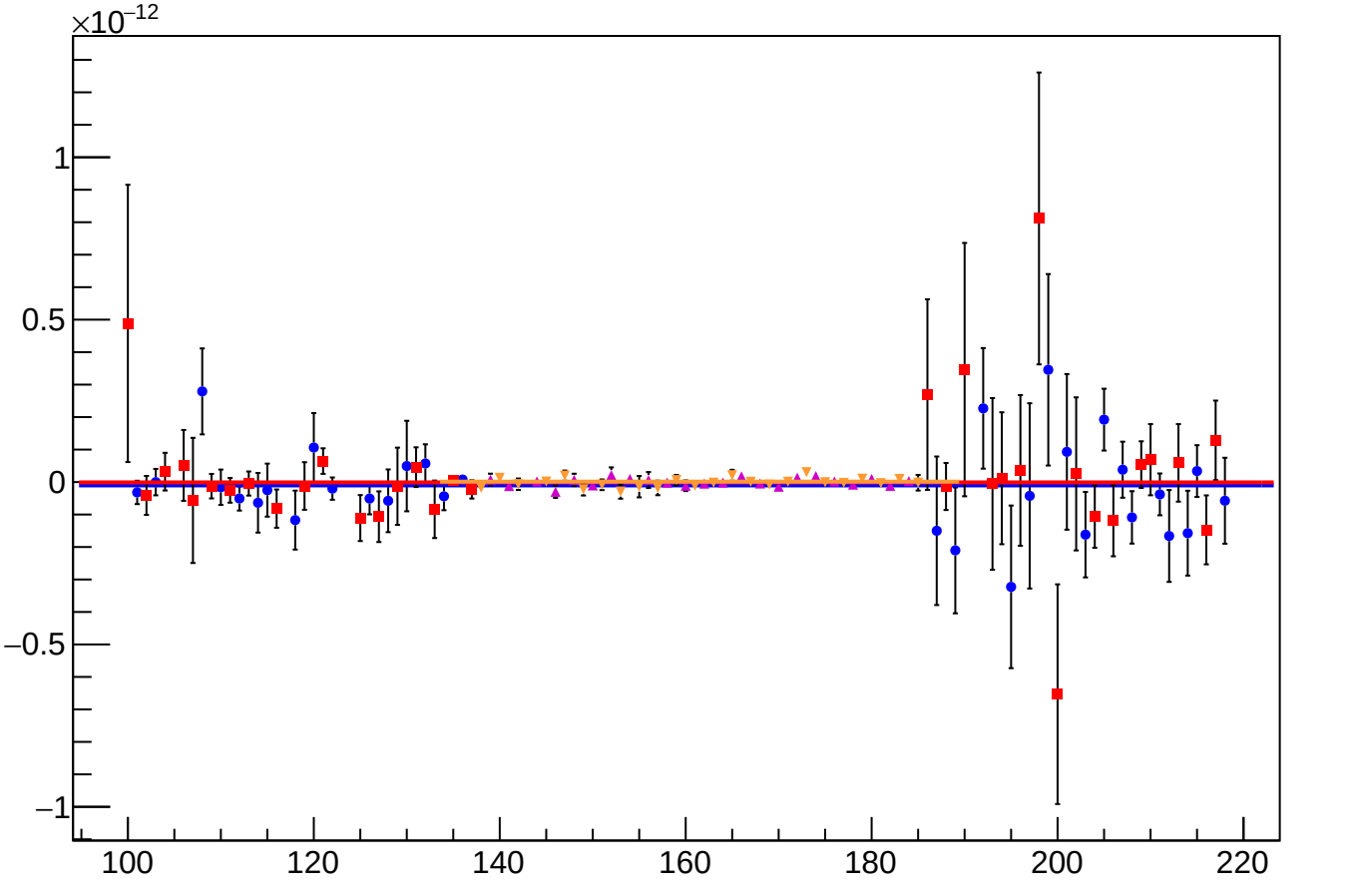
Right Out: 1327.052+/-0.215 χ^2/NDF: 2262481.1/33

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

+ sign 1059.739+/-0.124 χ^2/NDF: 3903038.3/55

All: 1062.770+/-0.088 χ^2/NDF: 8457573.1/11

- sign 1065.873+/-0.125 χ^2/NDF: 4553318.4/56



Right In: -0.000+/-0.000 χ^2/NDF: 30.9/31

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

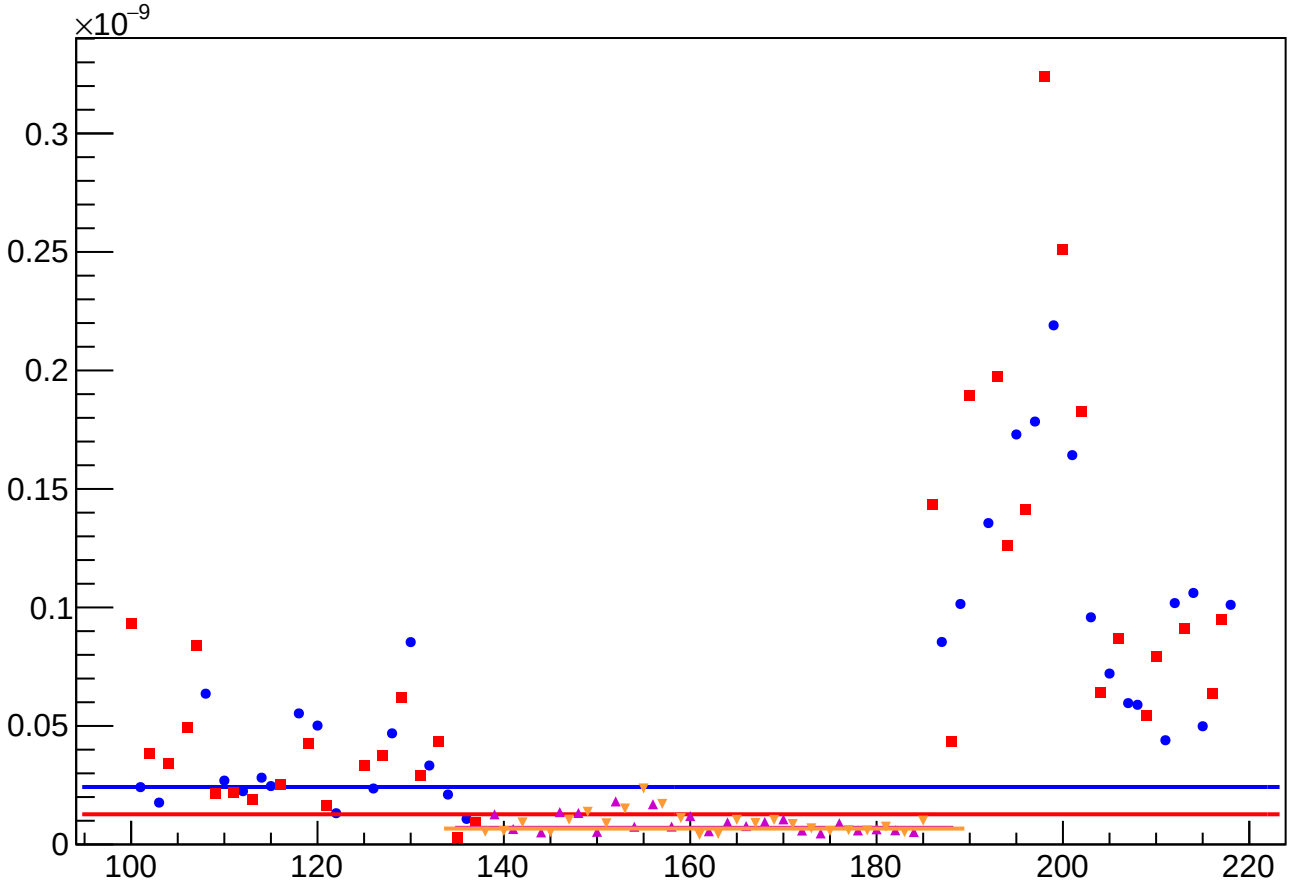
Right Out: -0.000+/-0.000 χ^2/NDF: 29.6/33

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

+ sign 0.000+/-0.000 χ^2/NDF: 57.9/55

All: 0.000+/-0.000 χ^2/NDF: 109.7/112

- sign 0.000+/-0.000 χ^2/NDF: 51.8/56



Right In: 0.000+/-0.000 χ^2/NDF: 11204421.7/31

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

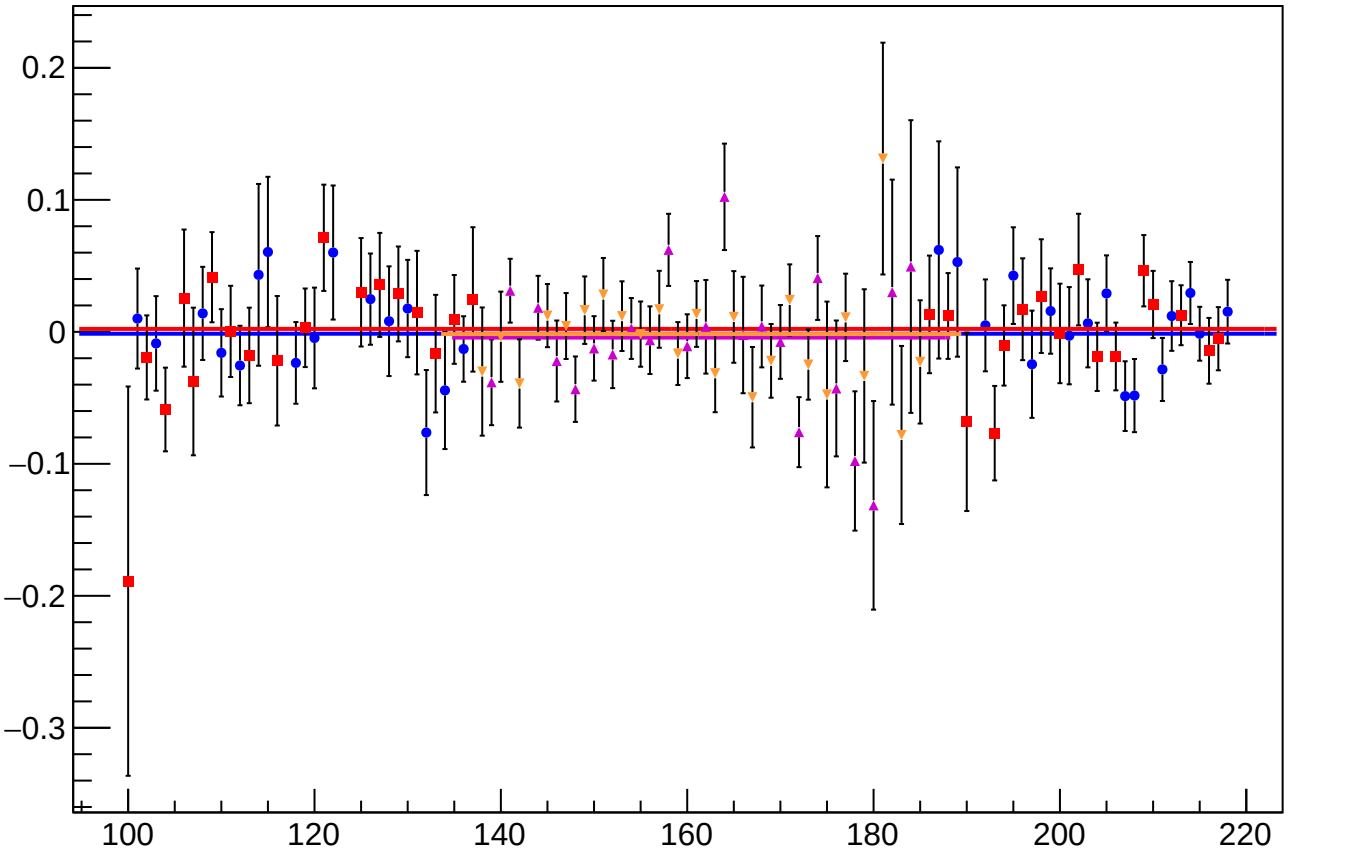
Right Out: 0.000+/-0.000 χ^2/NDF: 17077998.0/33

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

+ sign 0.000+/-0.000 χ^2/NDF: 20370812.6/55

All: 0.000+/-0.000 χ^2/NDF: 41056769.4/112

- sign 0.000+/-0.000 χ^2/NDF: 20685815.6/56



Right In: -0.001+/-0.006 χ^2/NDF: 23.5/31

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

Right Out: 0.002+/-0.006 χ^2/NDF: 26.7/33

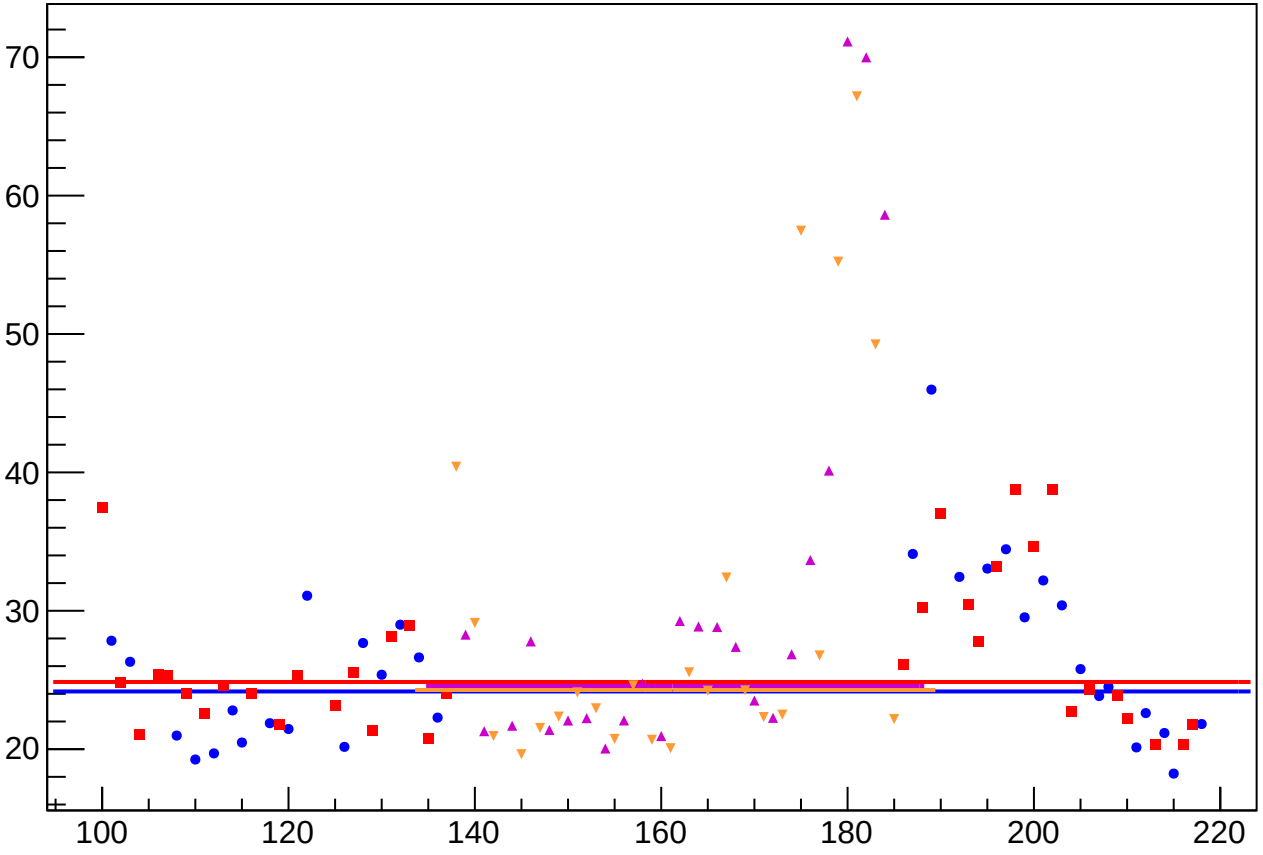
Left In: -0.004+/-0.006 χ^2/NDF:36.5/22

+ sign -0.002+/-0.004 χ^2/NDF: 38.1/55

All: -0.001+/-0.003 χ^2/NDF: 102.0/112

- sign -0.001+/-0.004 χ^2/NDF: 63.8/56

asym_us_dd_dit_vs_cor_diff_rms vs Slug



Right In: 24.170+/-0.004 χ^2/NDF: 1363428.4/31

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

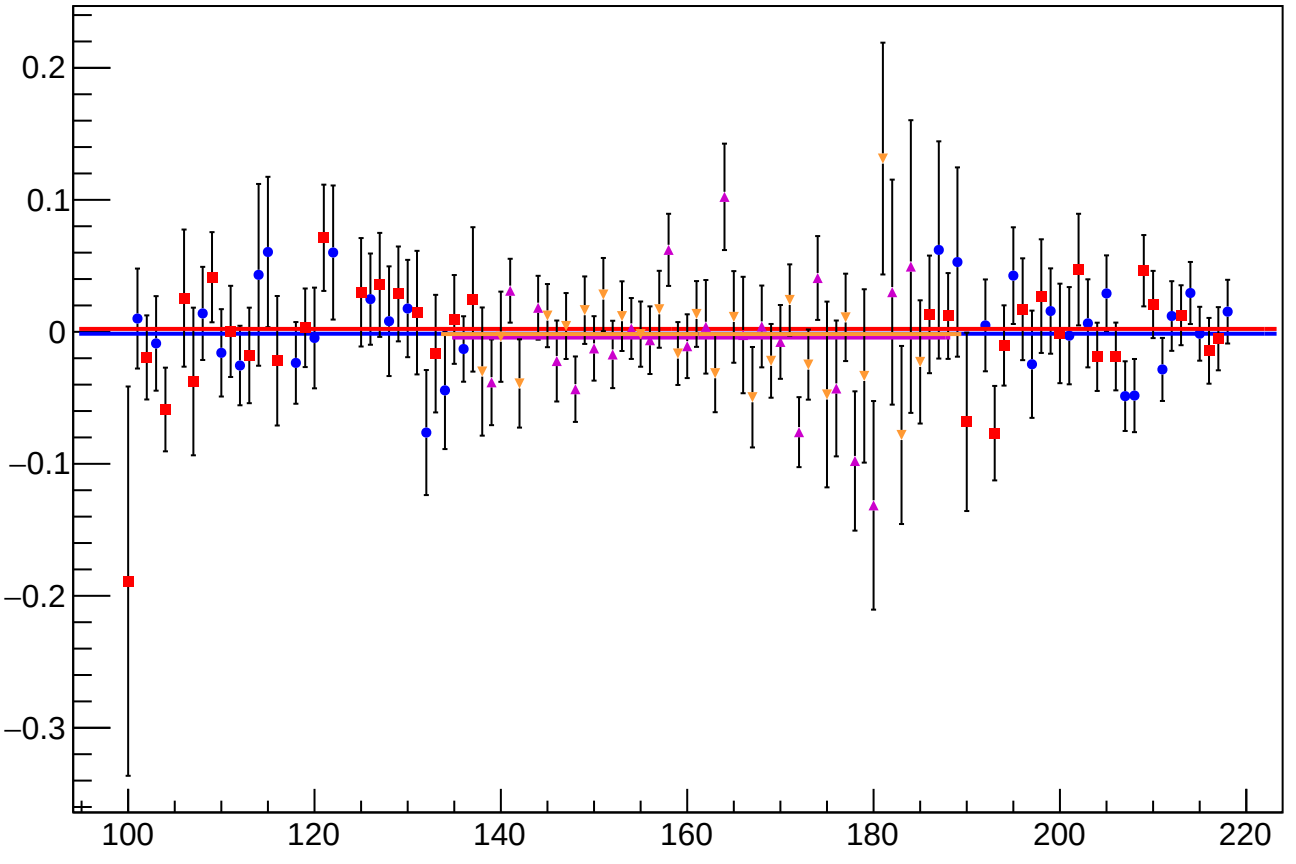
Right Out: 24.856+/-0.004 χ^2/NDF: 1213418.1/33

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

+ sign 24.218+/-0.003 χ^2/NDF: 3674402.0/55

All: 24.467+/-0.002 χ^2/NDF: 7036713.0/112

- sign 24.722+/-0.003 χ^2/NDF: 3348581.5/56



Right In: -0.001+/-0.006 χ^2/NDF: 23.5/31

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

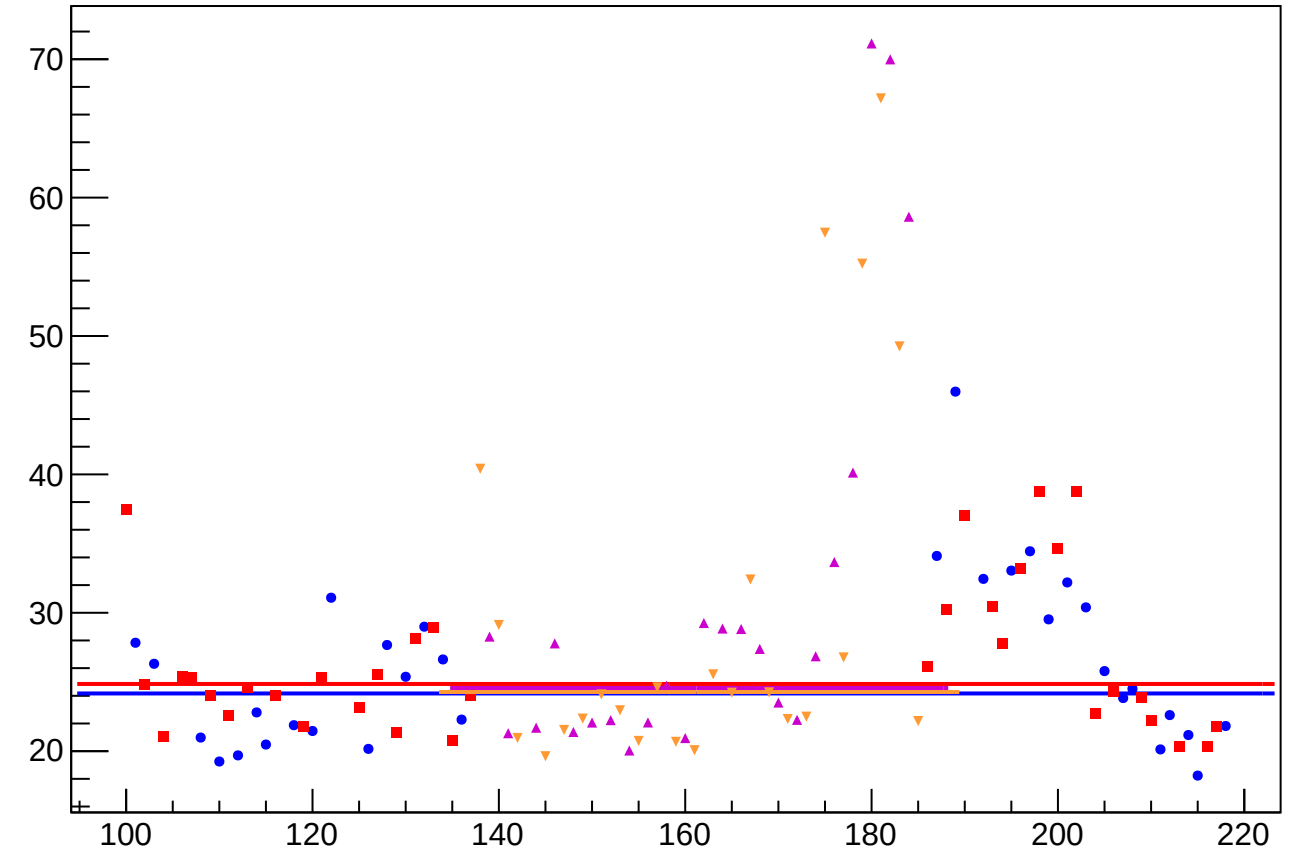
Right Out: 0.002+/-0.006 χ^2/NDF: 26.7/33

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

+ sign -0.002+/-0.004 χ^2/NDF: 38.1/55

All: -0.001+/-0.003 χ^2/NDF: 102.0/112

- sign -0.001+/-0.004 χ^2/NDF: 63.8/56



Right In: 24.170+/-0.004 χ^2/NDF: 1363428.4/31

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

Right Out: 24.856+/-0.004 χ^2/NDF: 1213418.1/33

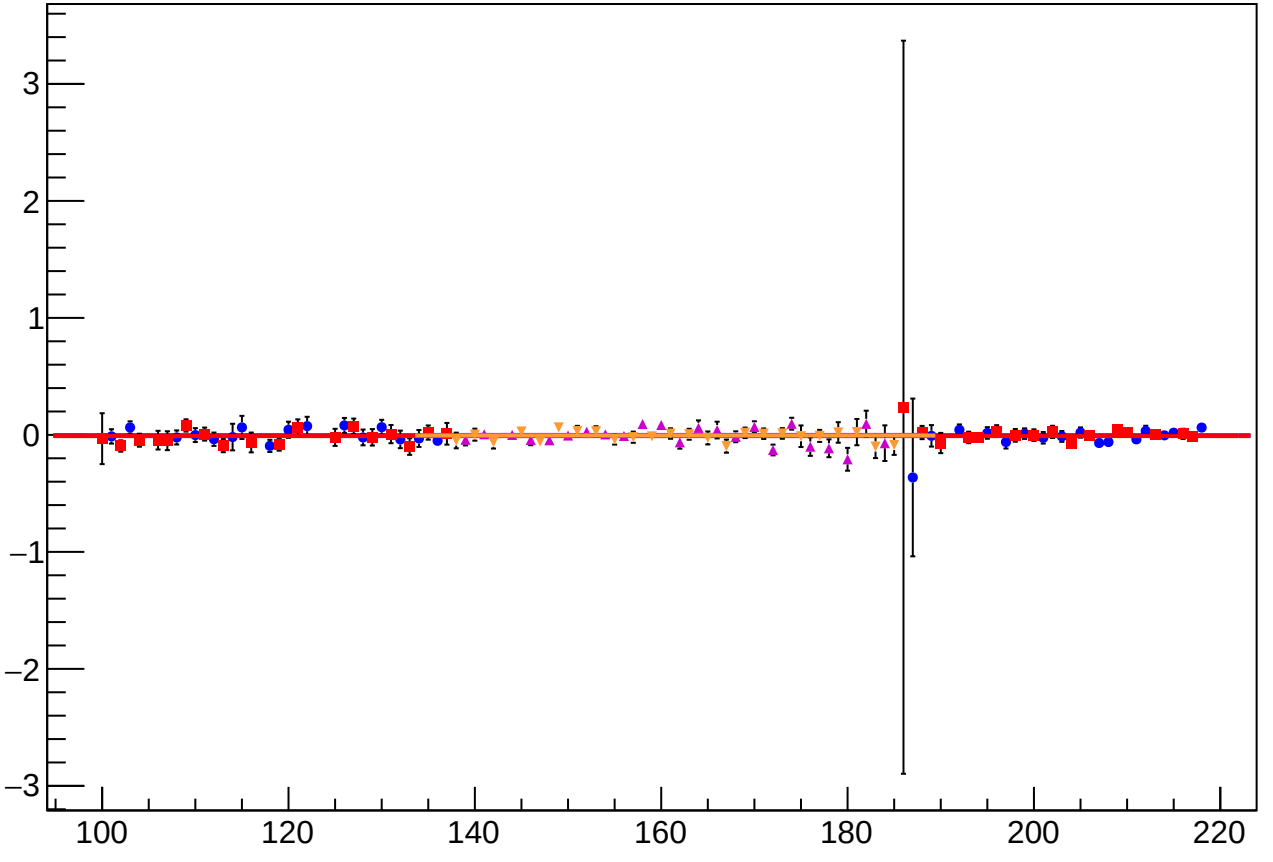
Left In: 24.565+/-0.005 χ^2/NDF:2132914.4/22

+ sign 24.218+/-0.003 χ^2/NDF: 3674402.0/55

All: 24.467+/-0.002 χ^2/NDF: 7036713.0/112

- sign 24.722+/-0.003 χ^2/NDF: 3348581.5/56

asym_us_dd_dit_vs_overload_cor_diff_mean vs Slug



Right In: -0.003+/-0.009 χ^2/NDF: 23.5/31

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

Right Out: -0.010+/-0.009 χ^2/NDF: 23.2/33

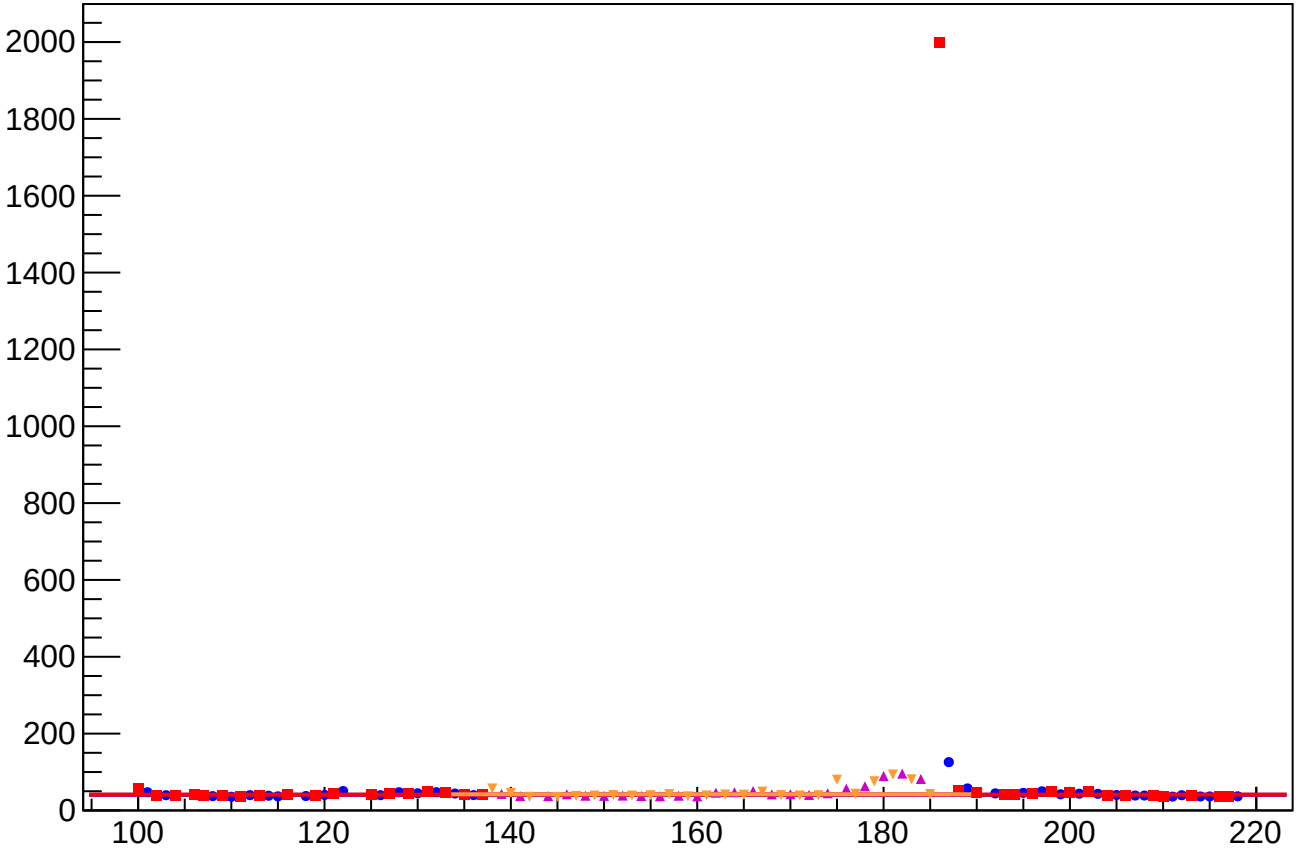
Left In: -0.000+/-0.010 χ^2/NDF:37.9/22

+ sign -0.004+/-0.007 χ^2/NDF: 37.4/55

All: -0.005+/-0.005 χ^2/NDF: 99.2/112

- sign -0.006+/-0.007 χ^2/NDF: 61.7/56

asym_us_dd_dit_vs_overload_cor_diff_rms vs Slug



Right In: 40.714+/-0.007 χ^2/NDF: 440999.7/31

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

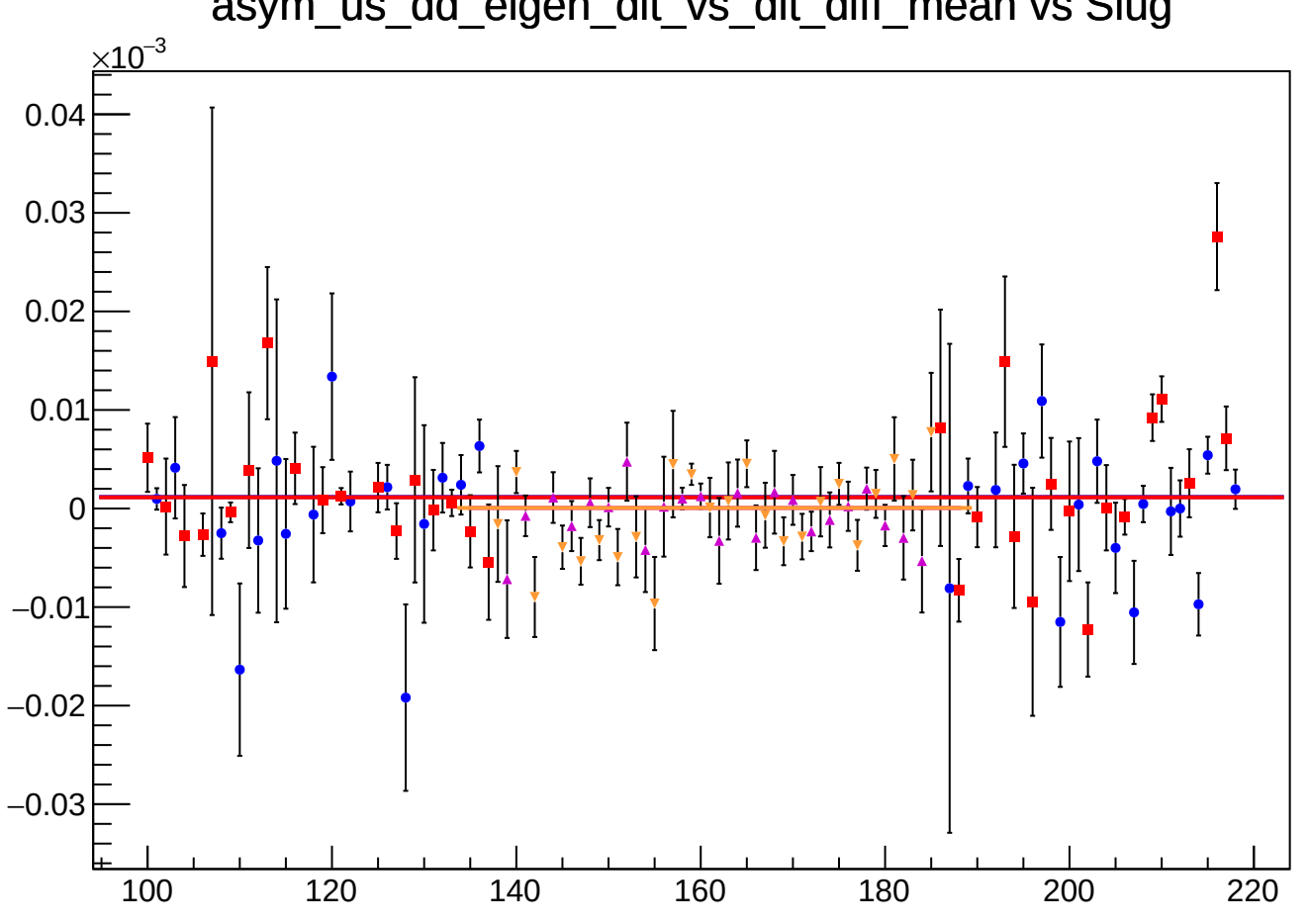
Right Out: 41.175+/-0.007 χ^2/NDF: 1161684.1/33

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

+ sign 41.329+/-0.005 χ^2/NDF: 2176344.8/55

All: 41.456+/-0.003 χ^2/NDF: 4891099.9/112

- sign 41.585+/-0.005 χ^2/NDF: 2713414.0/56



Right In: 0.000+/-0.000 χ^2/NDF: 51.0/31

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

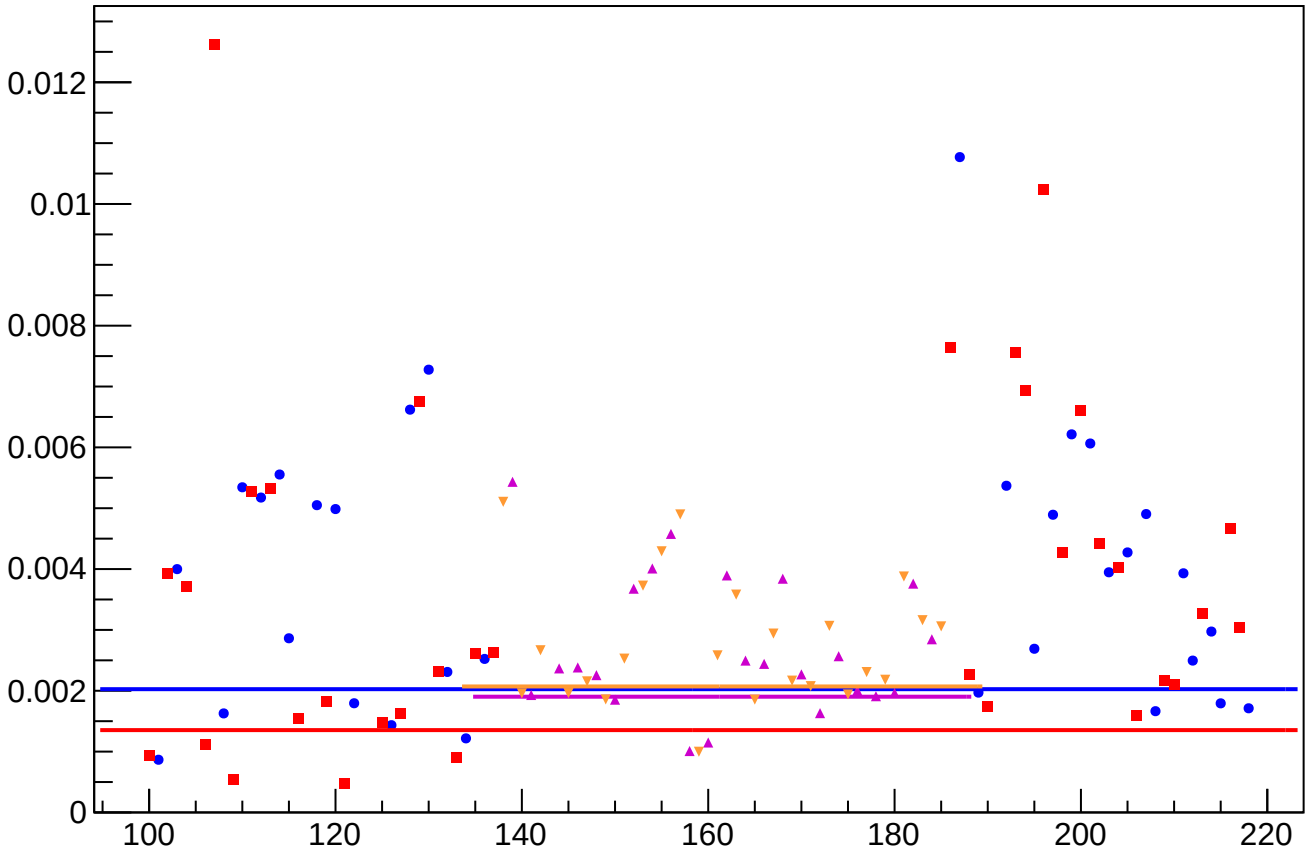
Right Out: 0.000+/-0.000 χ^2/NDF: 96.8/33

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

+ sign 0.000+/-0.000 χ^2/NDF: 104.8/55

All: 0.000+/-0.000 χ^2/NDF: 217.3/112

- sign 0.000+/-0.000 χ^2/NDF: 112.5/56



Right In: 0.002+/-0.000 χ^2/NDF: 10708586.1/31

Left Out: 0.002+/-0.000 χ^2/NDF:5263163.7/23

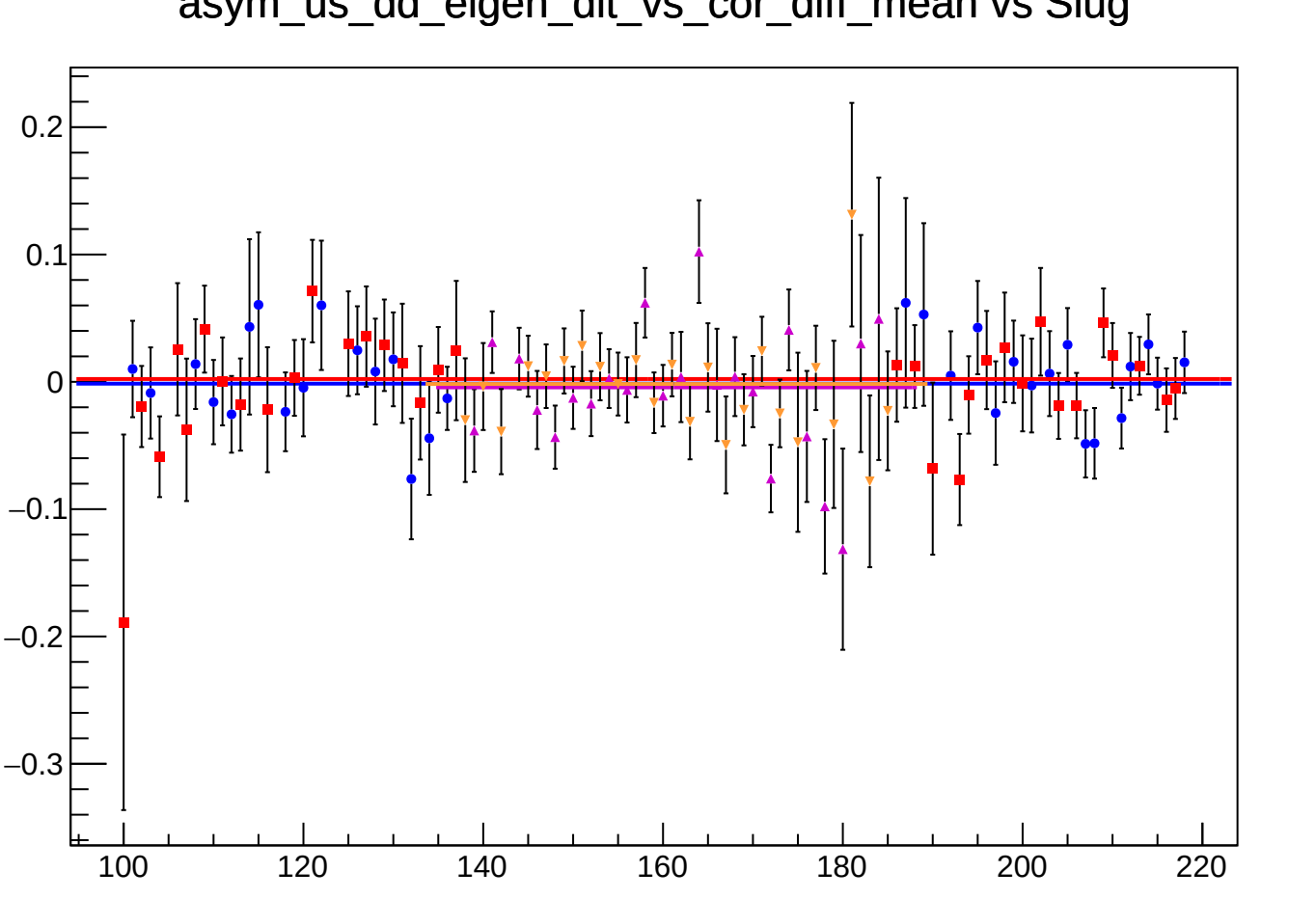
Right Out: 0.001+/-0.000 χ^2/NDF: 17267879.1/33

Left In: 0.002+/-0.000 χ^2/NDF:5935945.7/22

+ sign 0.002+/-0.000 χ^2/NDF: 15978733.2/55

All: 0.002+/-0.000 χ^2/NDF: 42266790.5/112

- sign 0.002+/-0.000 χ^2/NDF: 24603534.6/56



Right In: -0.001+/-0.006 χ^2/NDF: 23.5/31

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

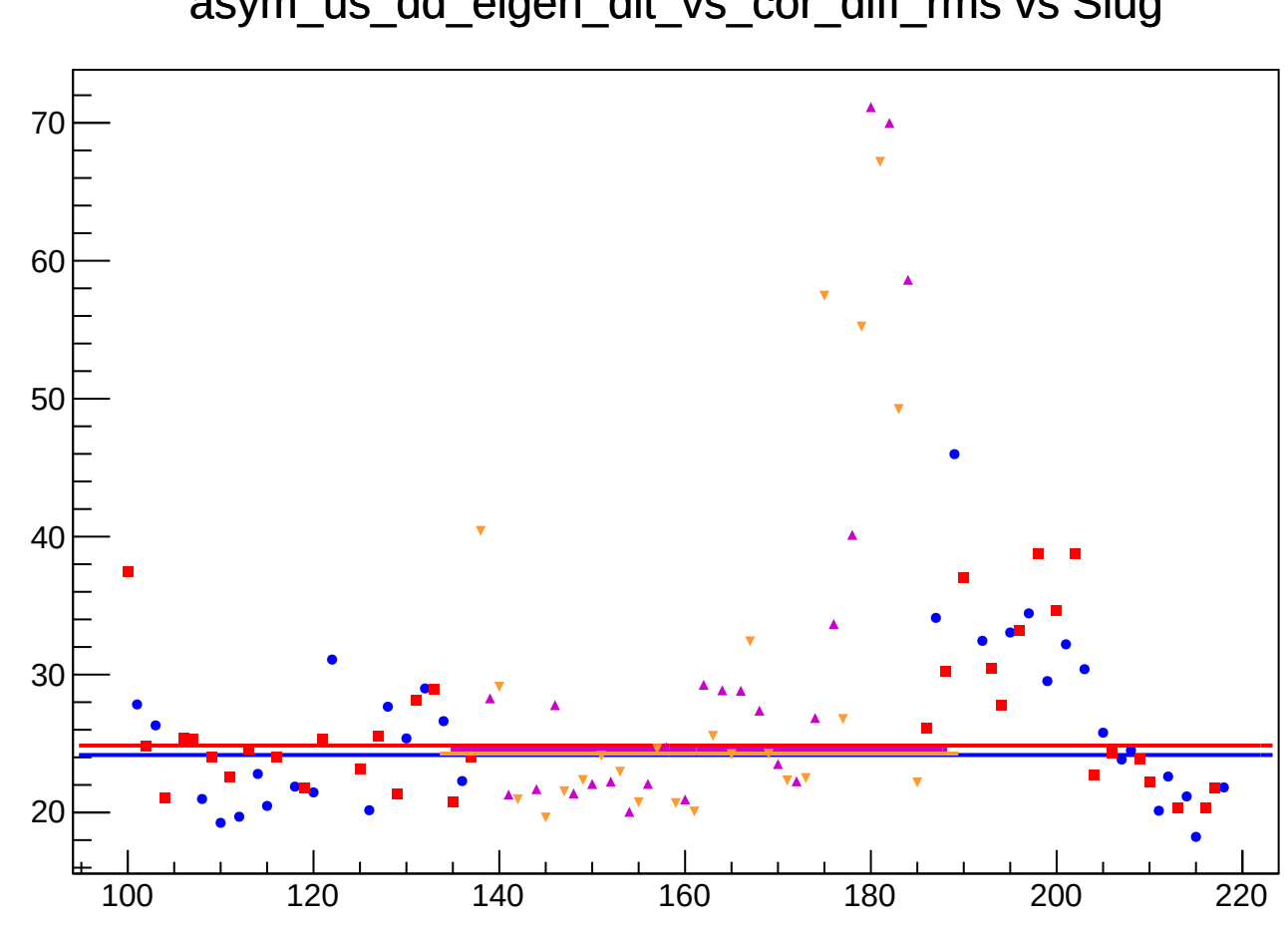
Right Out: 0.002+/-0.006 χ^2/NDF: 26.7/33

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

+ sign -0.002+/-0.004 χ^2/NDF: 38.1/55

All: -0.001+/-0.003 χ^2/NDF: 102.0/112

- sign -0.001+/-0.004 χ^2/NDF: 63.8/56



Right In: 24.170+/-0.004 χ^2/NDF: 1363401.6/31

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

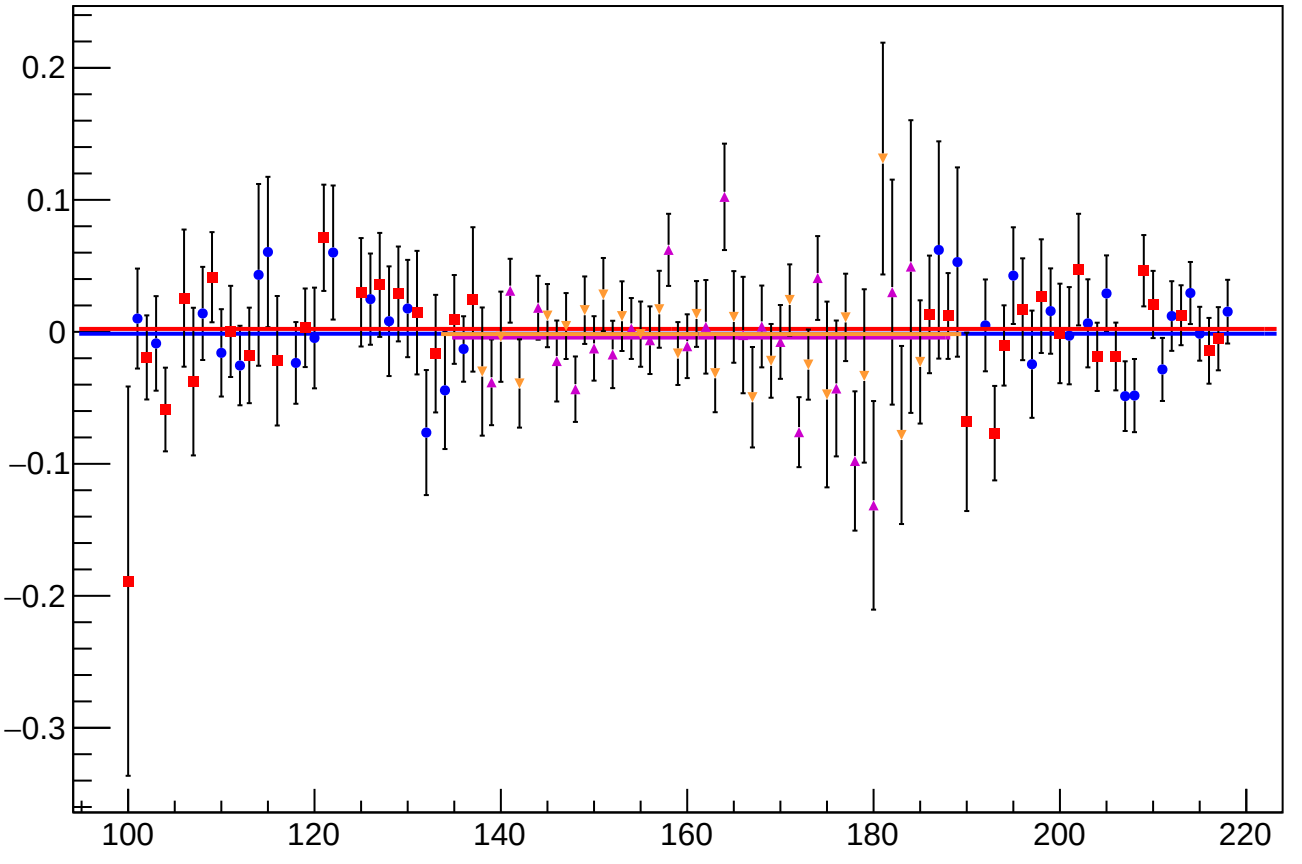
Right Out: 24.856+/-0.004 χ^2/NDF: 1213386.1/33

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

+ sign 24.218+/-0.003 χ^2/NDF: 3674382.5/55

All: 24.467+/-0.002 χ^2/NDF: 7036541.4/112

- sign 24.722+/-0.003 χ^2/NDF: 3348411.6/56



Right In: -0.001+/-0.006 χ^2/NDF: 23.5/31

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

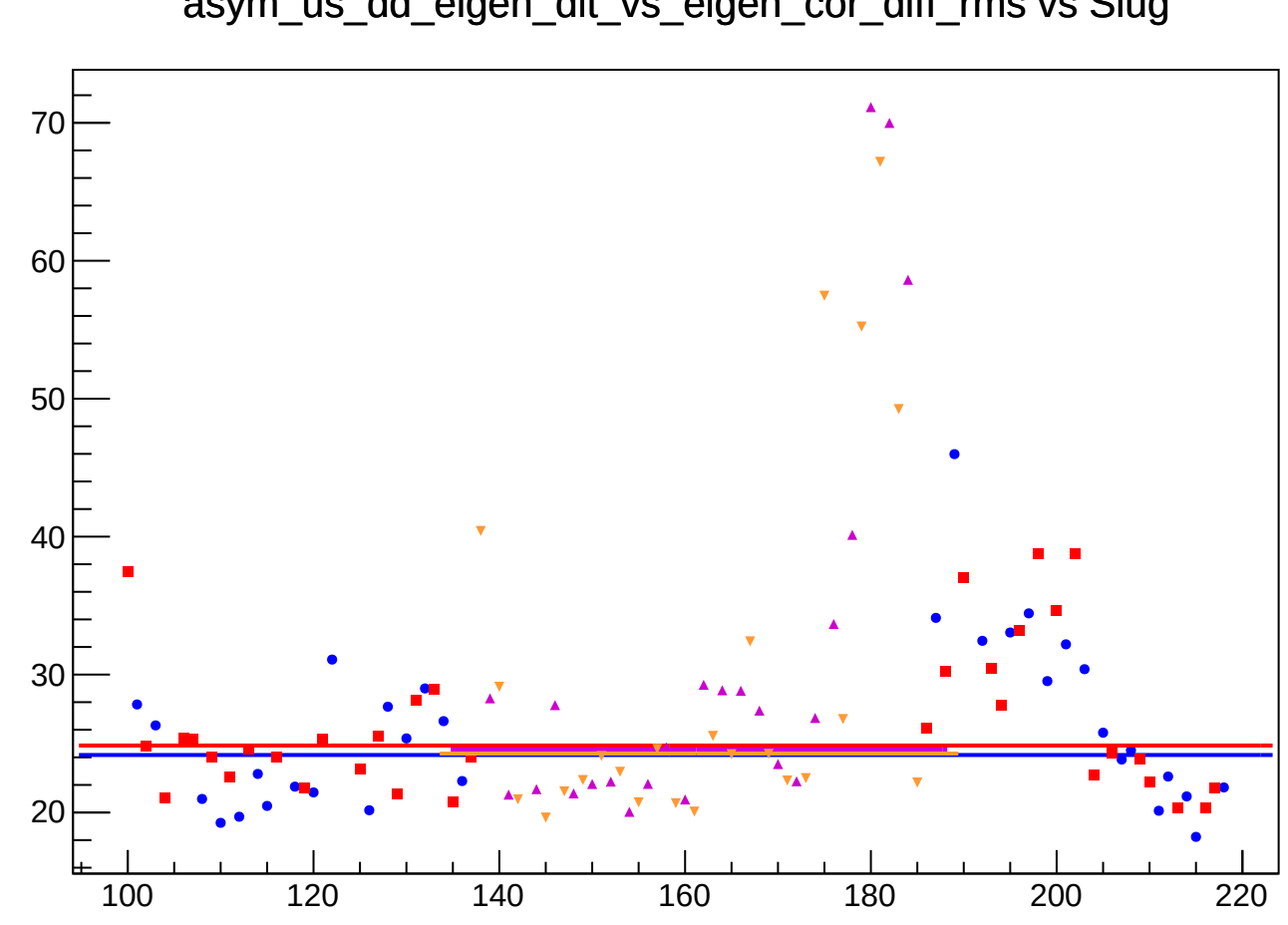
Right Out: 0.002+/-0.006 χ^2/NDF: 26.7/33

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

+ sign -0.002+/-0.004 χ^2/NDF: 38.1/55

All: -0.001+/-0.003 χ^2/NDF: 102.0/112

- sign -0.001+/-0.004 χ^2/NDF: 63.8/56



Right In: 24.170+/-0.004 χ^2/NDF: 1363401.6/31

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

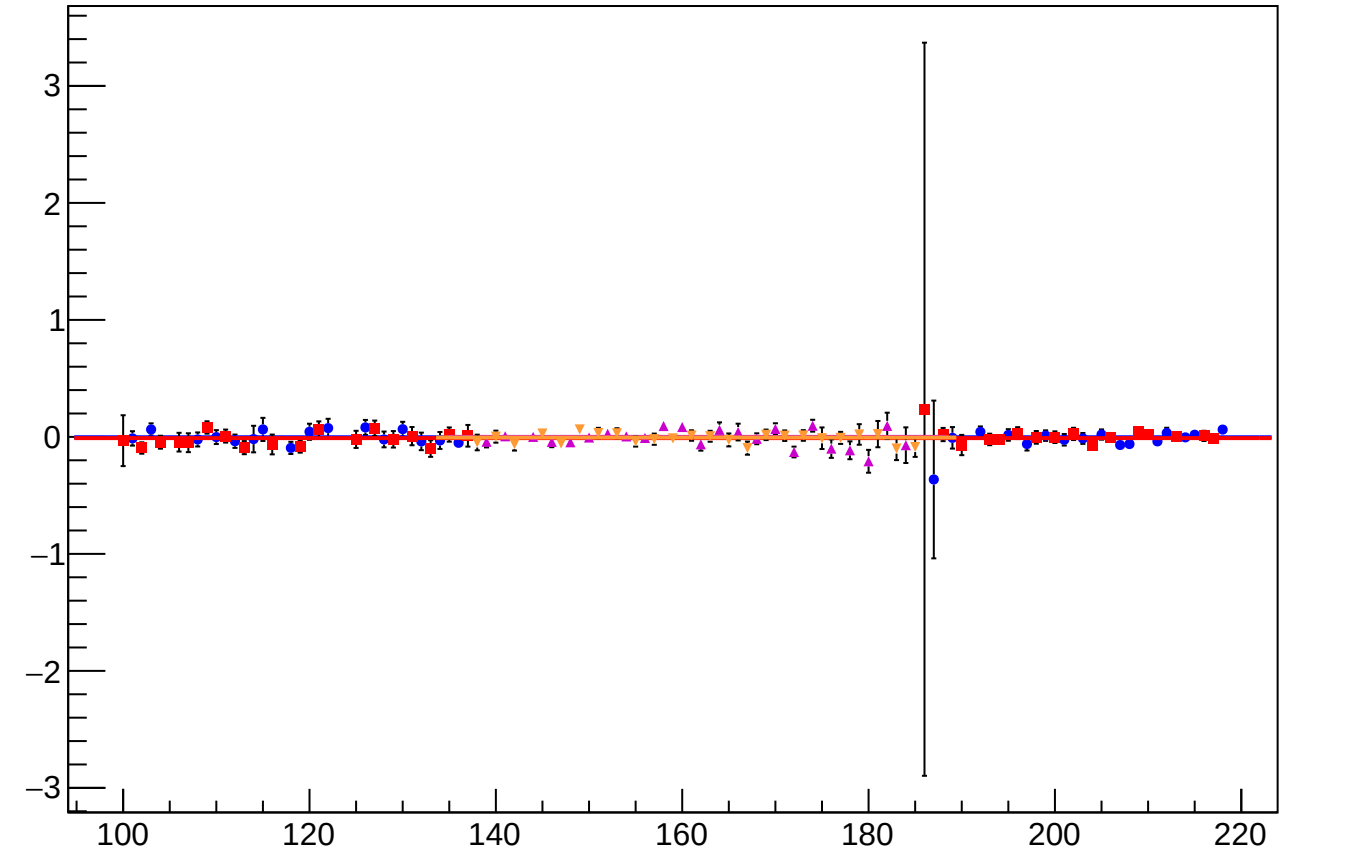
Right Out: 24.856+/-0.004 χ^2/NDF: 1213386.1/33

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

+ sign 24.218+/-0.003 χ^2/NDF: 3674382.5/55

All: 24.467+/-0.002 χ^2/NDF: 7036541.4/112

- sign 24.722+/-0.003 χ^2/NDF: 3348411.6/56



Right In: -0.003+/-0.009 χ^2/NDF: 23.5/31

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

Right Out: -0.010+/-0.009 χ^2/NDF: 23.2/33

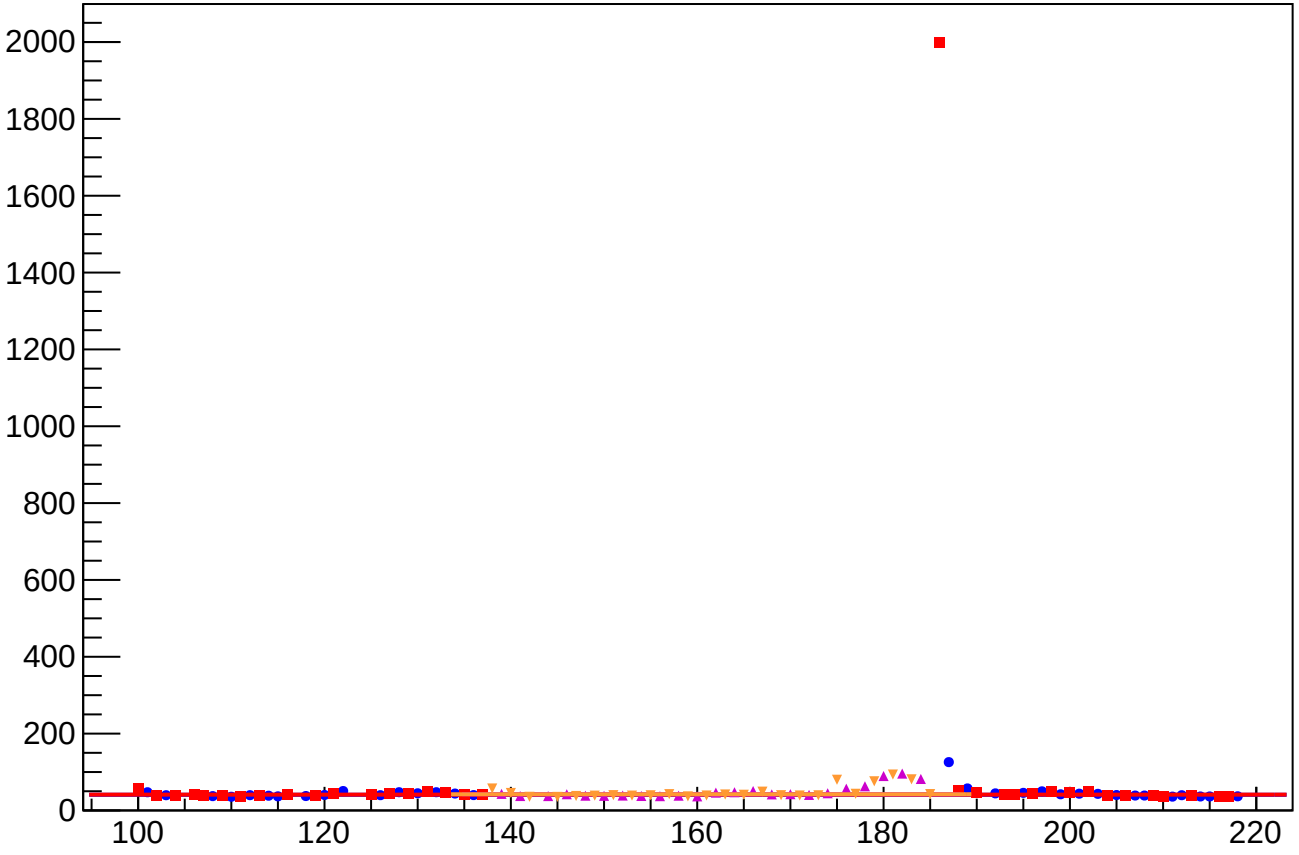
Left In: -0.000+/-0.010 χ^2/NDF:37.9/22

+ sign -0.004+/-0.007 χ^2/NDF: 37.4/55

All: -0.005+/-0.005 χ^2/NDF: 99.2/112

- sign -0.006+/-0.007 χ^2/NDF: 61.7/56

asym_us_dd_eigen_dit_vs_overload_cor_diff_rms vs Slug



Right In: 40.714+/-0.007 χ^2/NDF: 440941.5/31

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

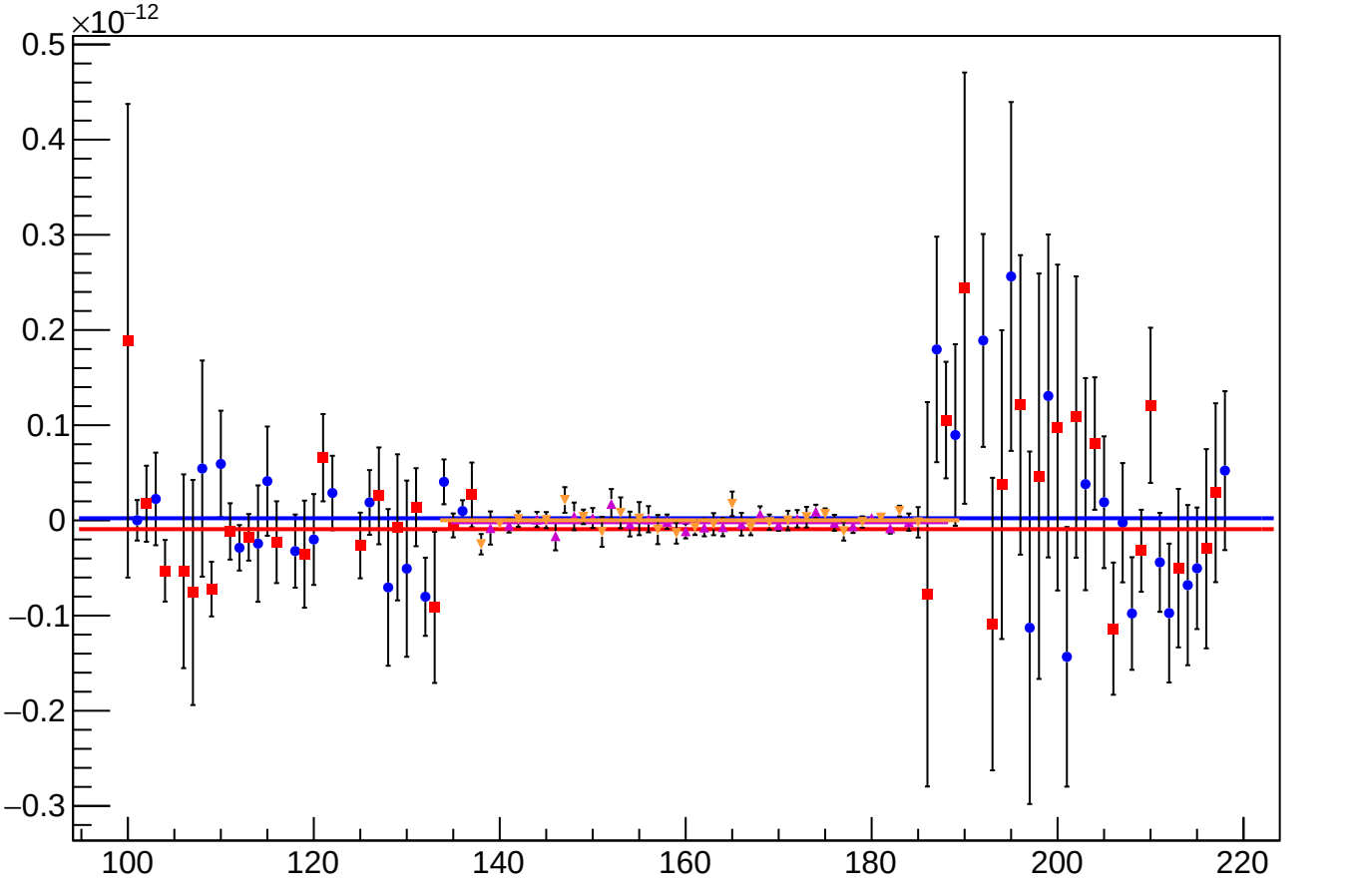
Right Out: 41.175+/-0.007 χ^2/NDF: 1161682.1/33

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

+ sign 41.329+/-0.005 χ^2/NDF: 2176278.2/55

All: 41.456+/-0.003 χ^2/NDF: 4891009.6/112

- sign 41.585+/-0.005 χ^2/NDF: 2713389.8/56



Right In: 0.000+/-0.000 χ^2/NDF: 31.0/31

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

Right Out: -0.000+/-0.000 χ^2/NDF: 29.0/33

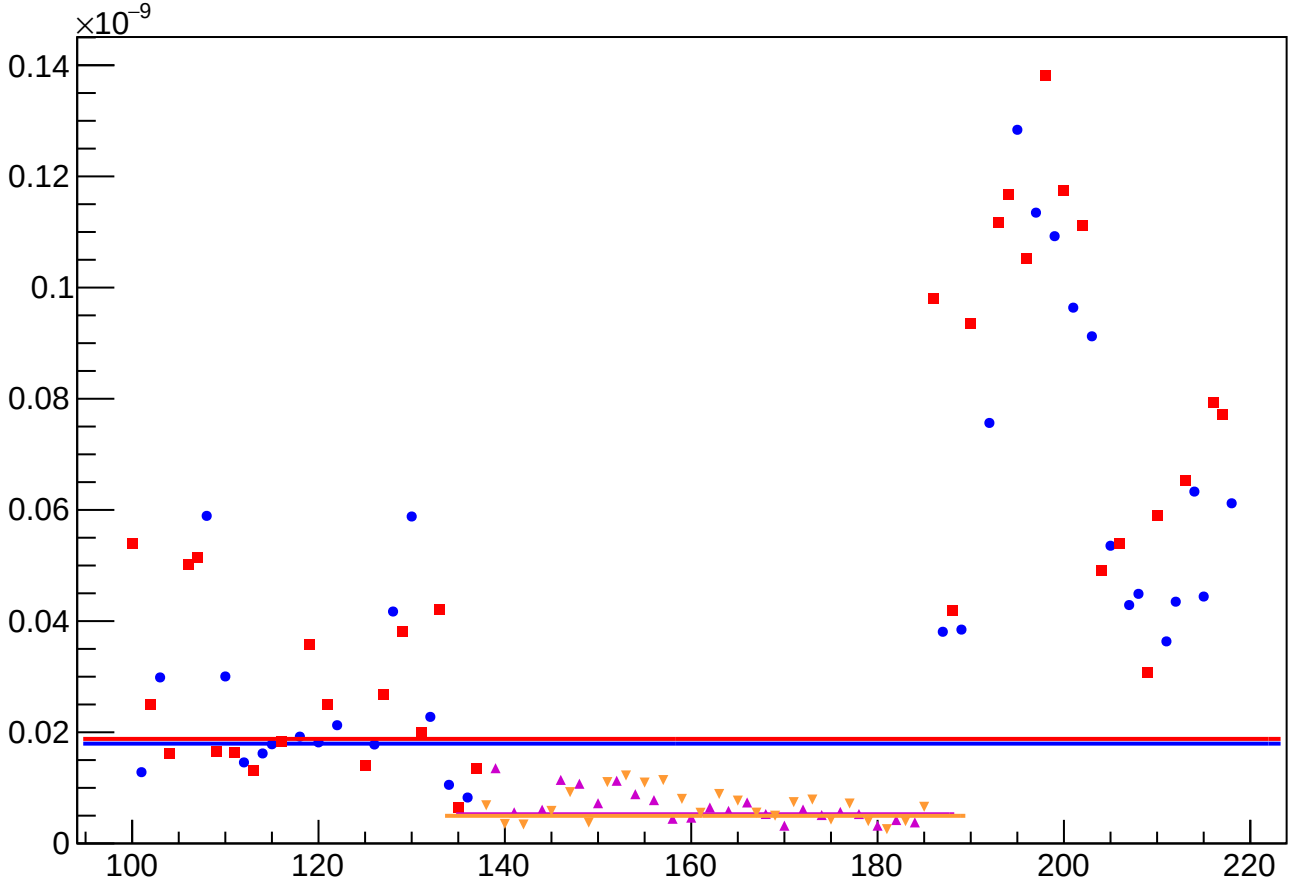
Left In: -0.000+/-0.000 χ^2/NDF:11.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 52.3/55

All: -0.000+/-0.000 χ^2/NDF: 95.3/112

- sign -0.000+/-0.000 χ^2/NDF: 41.7/56

asym_us_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 10145915.0/31

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

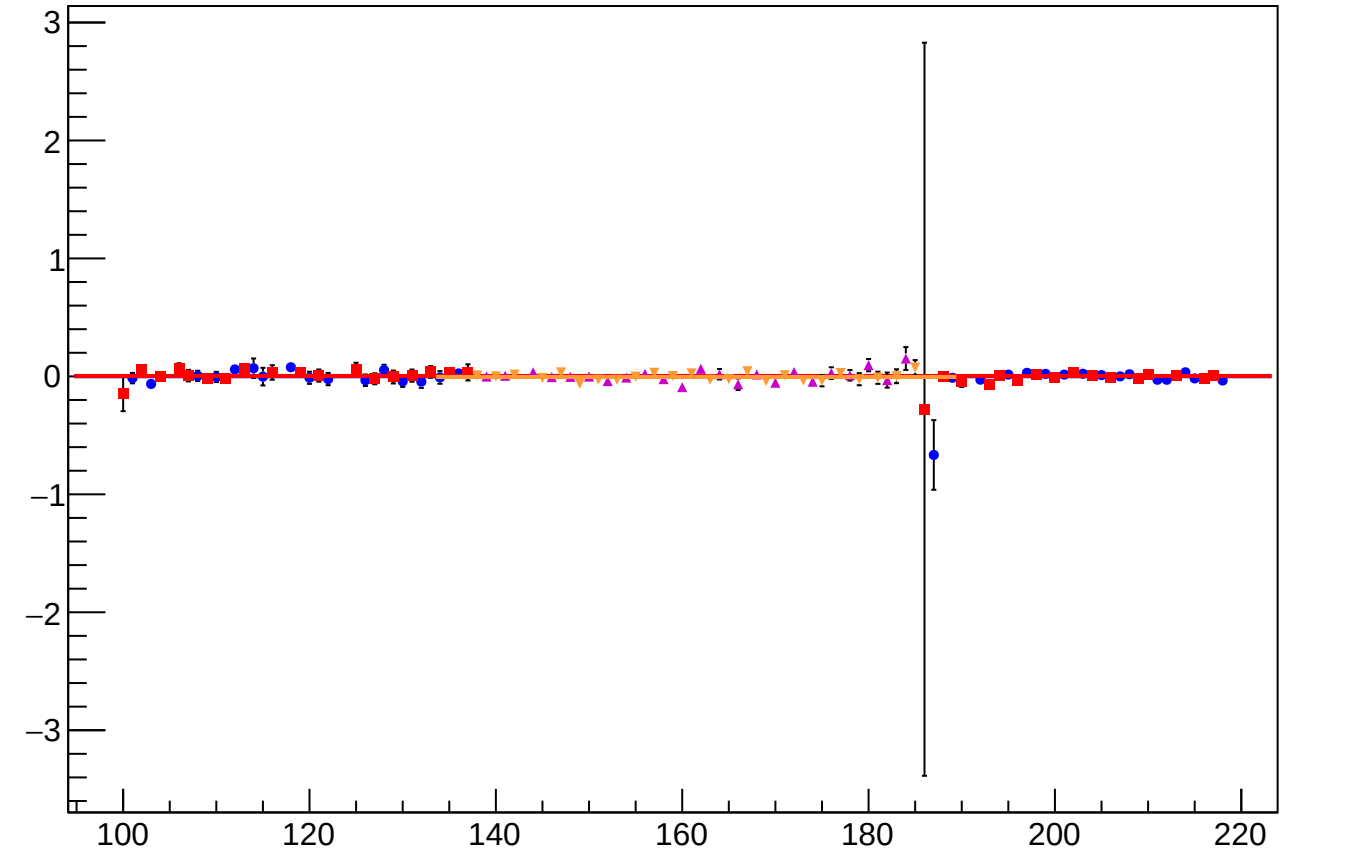
Right Out: 0.000+/-0.000 χ^2/NDF: 11707637.3/33

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

+ sign 0.000+/-0.000 χ^2/NDF: 20283954.7/55

All: 0.000+/-0.000 χ^2/NDF: 41070502.4/112

- sign 0.000+/-0.000 χ^2/NDF: 20757173.0/56



Right In: 0.001+/-0.006 χ^2/NDF: 30.5/31

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

Right Out: 0.004+/-0.006 χ^2/NDF: 24.0/33

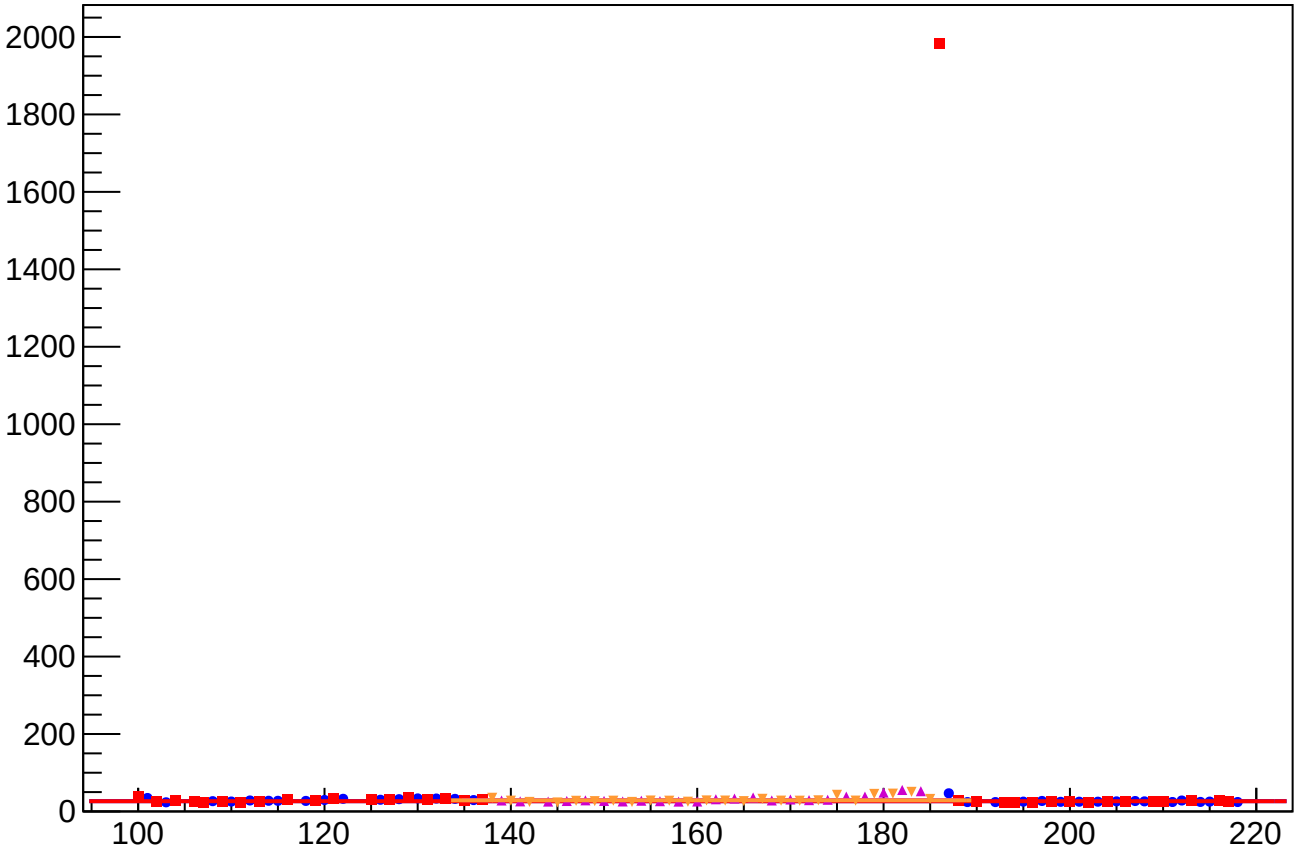
Left In: -0.004+/-0.007 χ^2/NDF:31.2/22

+ sign -0.002+/-0.005 χ^2/NDF: 47.7/55

All: -0.001+/-0.003 χ^2/NDF: 103.6/112

- sign 0.000+/-0.005 χ^2/NDF: 55.9/56

asym_us_dd_overload_cor_vs_cor_diff_rms vs Slug



Right In: 26.571+/-0.004 χ^2/NDF: 381687.7/31

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

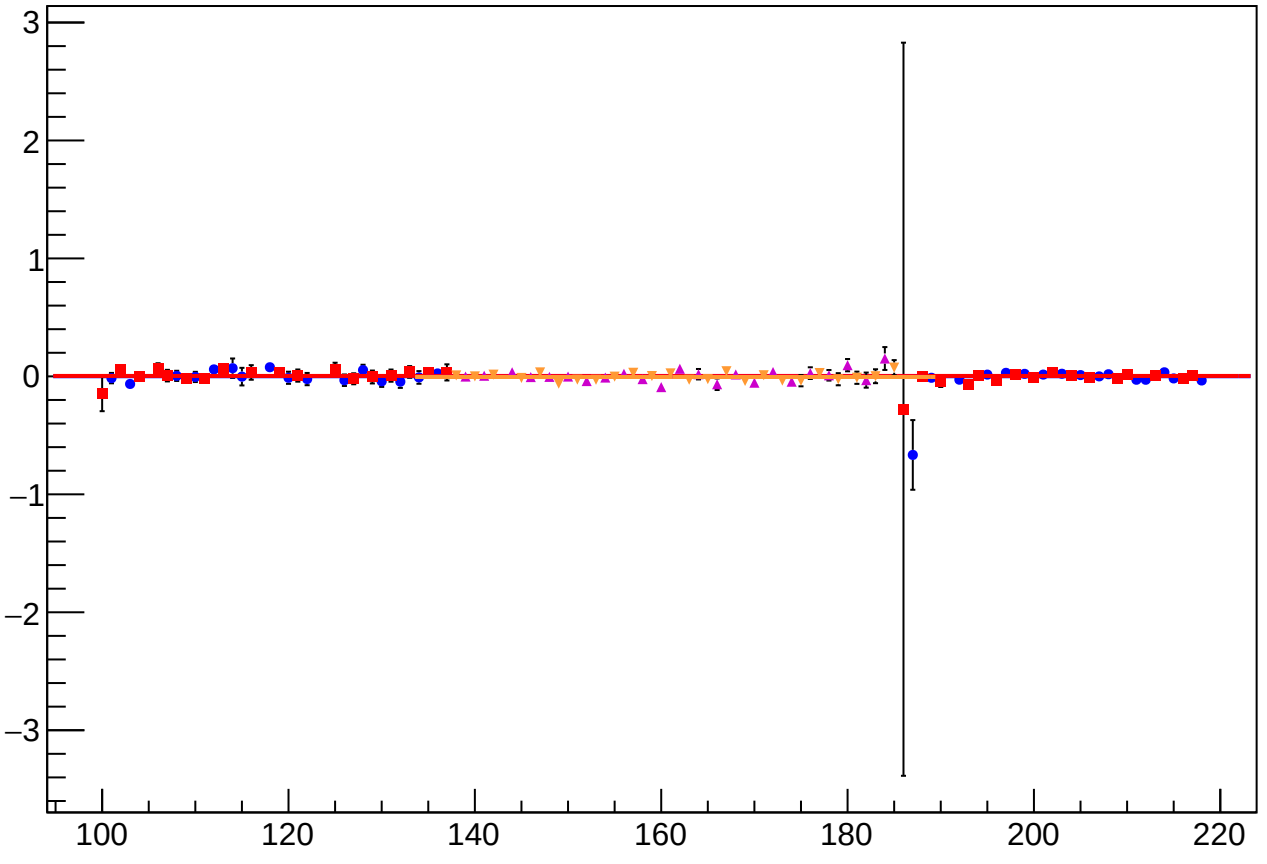
Right Out: 26.454+/-0.004 χ^2/NDF: 1118550.8/33

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

+ sign 27.531+/-0.003 χ^2/NDF: 1663213.7/55

All: 27.590+/-0.002 χ^2/NDF: 4097103.6/112

- sign 27.650+/-0.003 χ^2/NDF: 2433238.0/56



Right In: 0.001+/-0.006 χ^2/NDF: 30.5/31

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

Right Out: 0.004+/-0.006 χ^2/NDF: 24.0/33

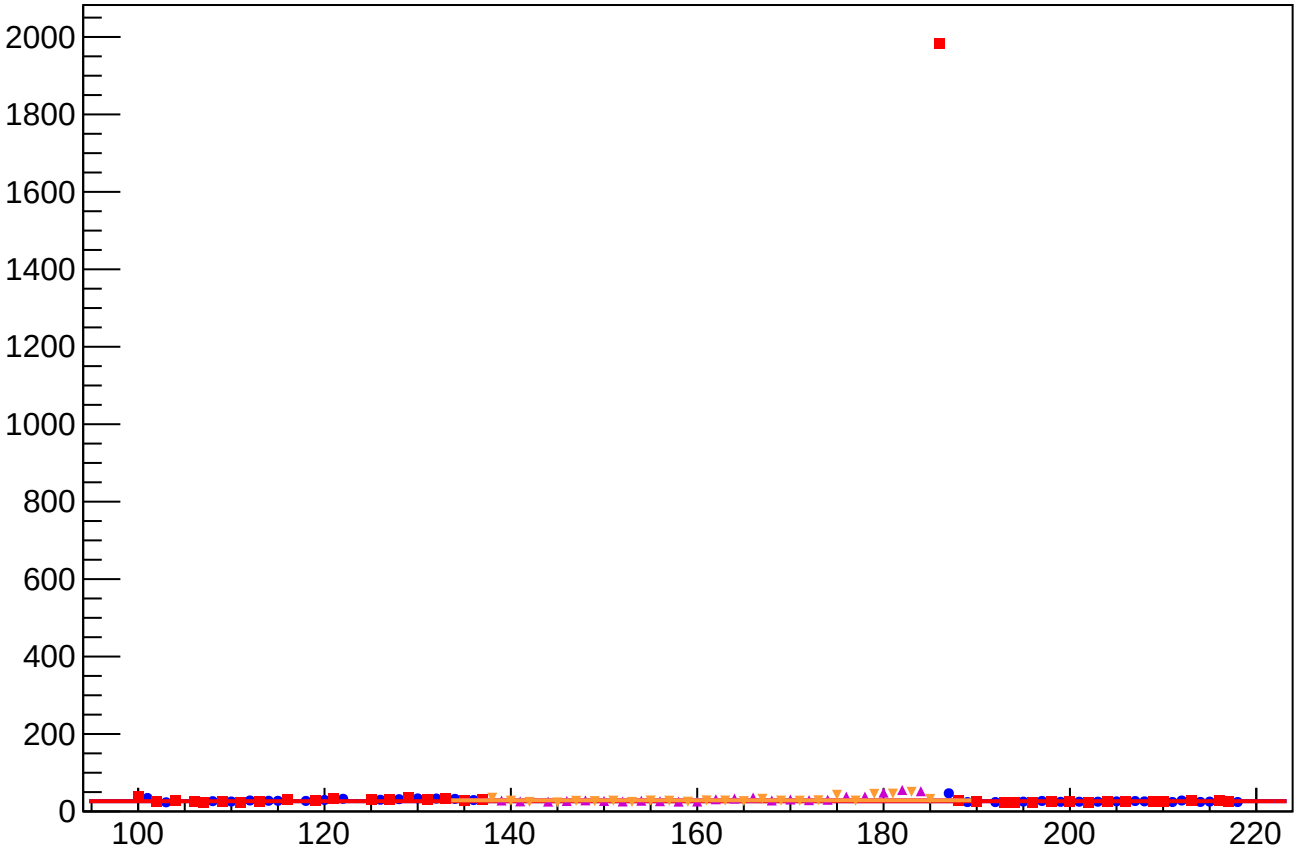
Left In: -0.004+/-0.007 χ^2/NDF:31.2/22

+ sign -0.002+/-0.005 χ^2/NDF: 47.7/55

All: -0.001+/-0.003 χ^2/NDF: 103.6/112

- sign 0.000+/-0.005 χ^2/NDF: 55.9/56

asym_us_dd_overload_cor_vs_eigen_cor_diff_rms vs Slug



Right In: 26.571+/-0.004 χ^2/NDF: 381687.7/31

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

Right Out: 26.454+/-0.004 χ^2/NDF: 1118550.8/33

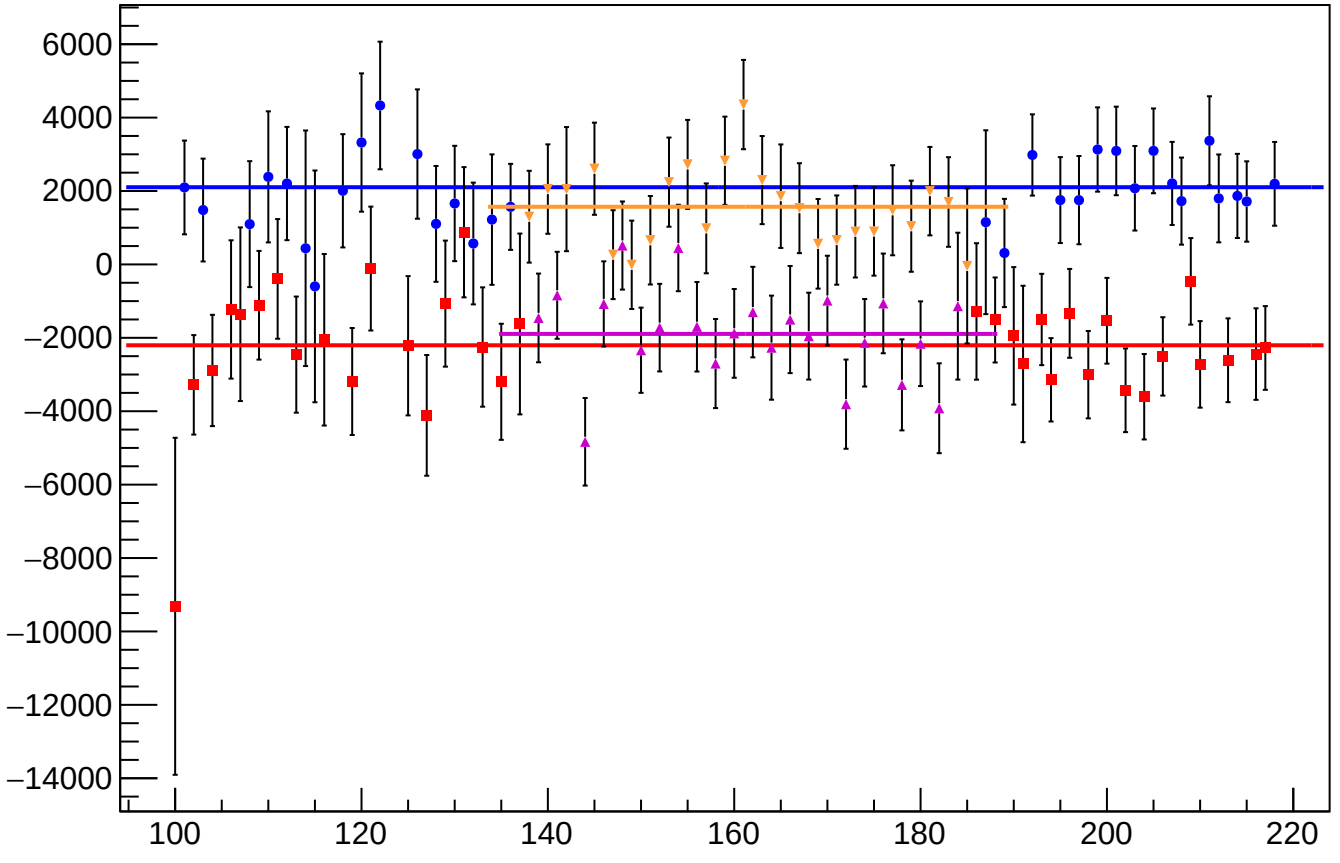
Left In: 29.255+/-0.005 χ^2/NDF:1140337.0/22

+ sign 27.531+/-0.003 χ^2/NDF: 1663213.7/55

All: 27.590+/-0.002 χ^2/NDF: 4097103.6/112

- sign 27.650+/-0.003 χ^2/NDF: 2433238.0/56

reg_asym_usl_mean vs Slug



Right In: 2103.345+/-242.548 χ^2/NDF: 11.8/31

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

Right Out: -2202.815+/-242.143 χ^2/NDF: 20.9/34

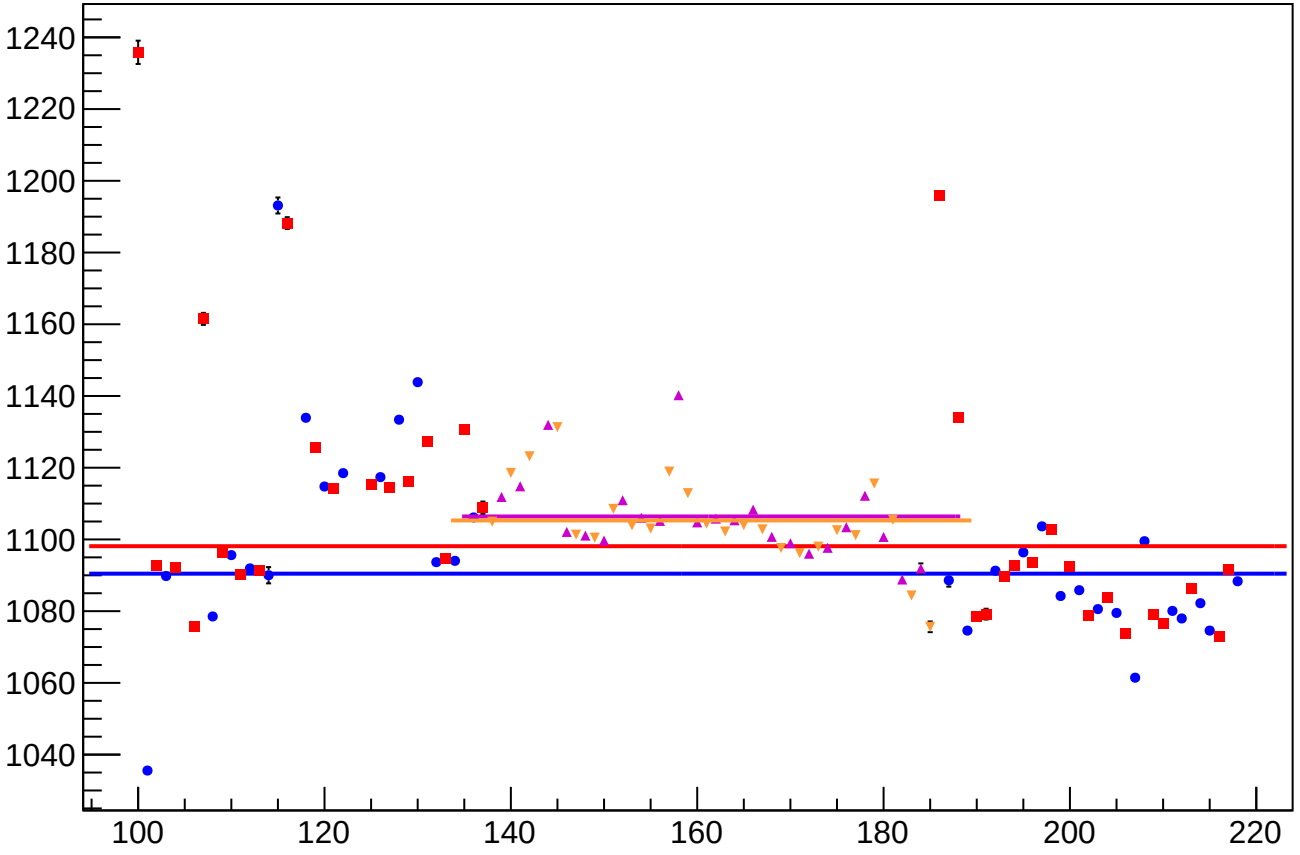
Left In: -1893.347+/-258.339 χ^2/NDF:24.1/22

+ sign 1852.107+/-176.245 χ^2/NDF: 29.4/55

All: -98.289+/-124.774 χ^2/NDF: 320.7/113

- sign -2058.085+/-176.669 χ^2/NDF: 45.8/57

reg_asym_usl_rms vs Slug



Right In: 1090.454+/-0.172 χ^2/NDF: 16260.4/31

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

Right Out: 1098.114+/-0.171 χ^2/NDF: 21850.0/34

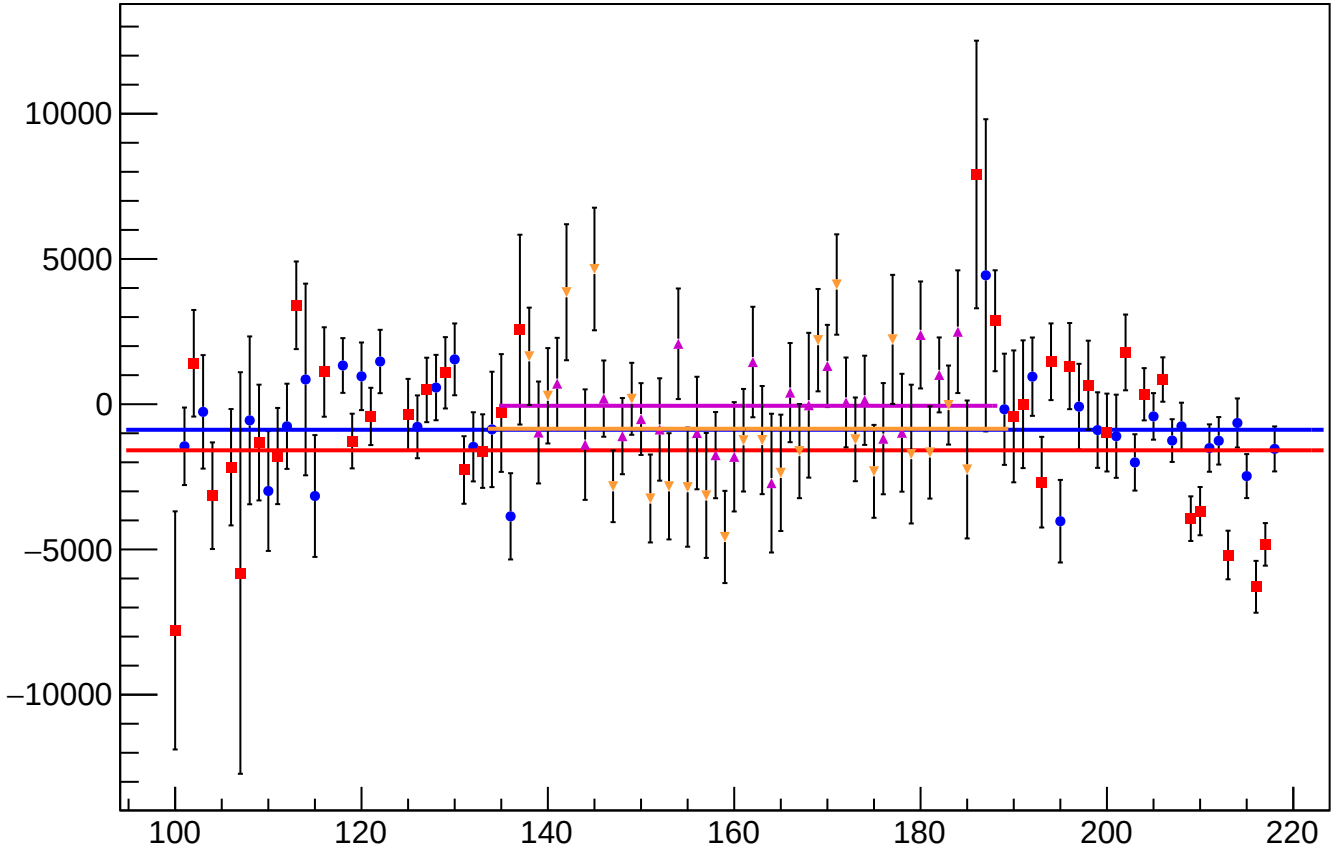
Left In: 1106.405+/-0.183 χ^2/NDF:3776.4/22

+ sign 1097.459+/-0.125 χ^2/NDF: 22956.0/55

All: 1099.719+/-0.088 χ^2/NDF: 50339.0/113

- sign 1101.991+/-0.125 χ^2/NDF: 26723.2/57

asym_usl_reg_correction_mean vs Slug



Right In: -880.279+/-199.730 χ^2/NDF: 41.4/31

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

Right Out: -1587.299+/-209.309 χ^2/NDF: 159.9/34

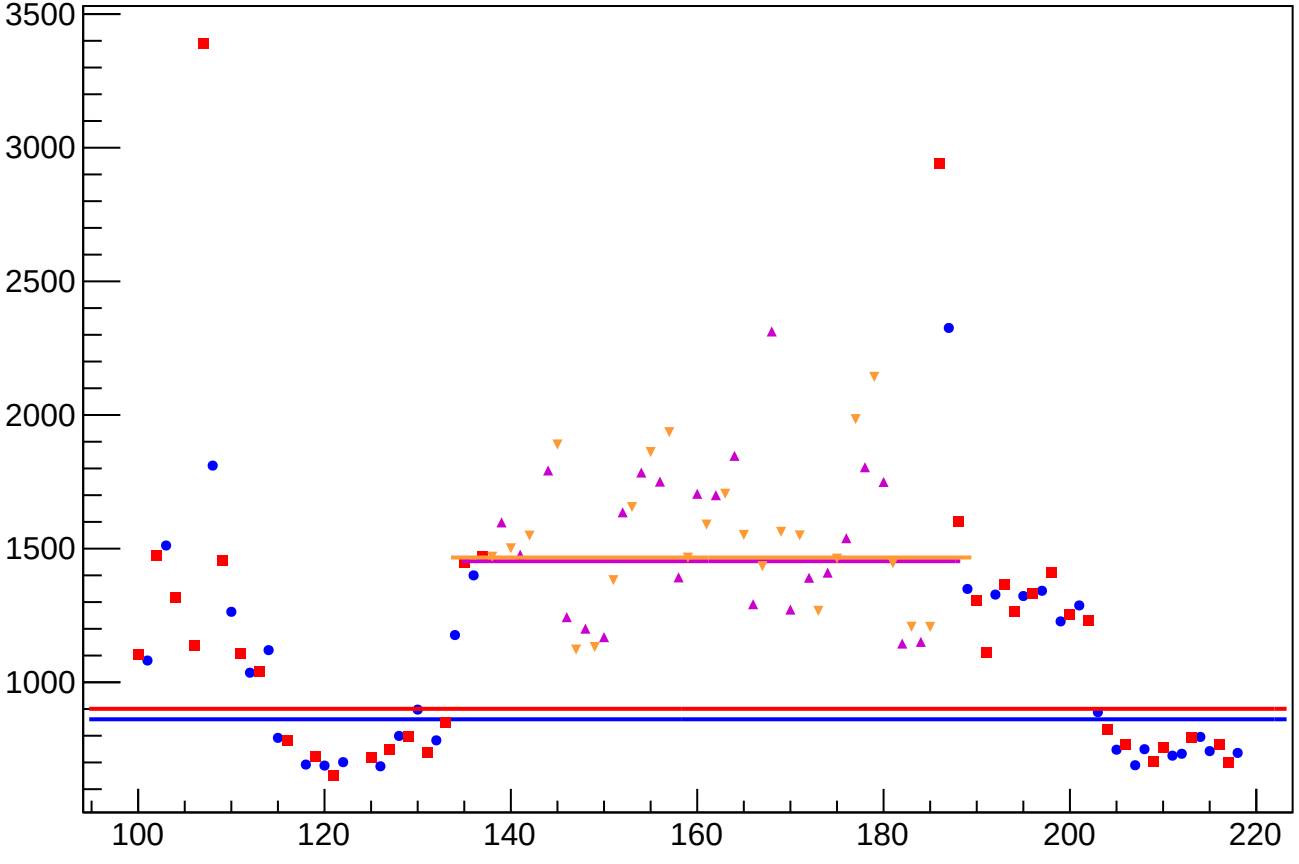
Left In: -54.347+/-345.962 χ^2/NDF:13.0/22

+ sign -871.425+/-173.146 χ^2/NDF: 85.6/55

All: -1018.840+/-124.479 χ^2/NDF: 274.4/113

- sign -1176.540+/-179.084 χ^2/NDF: 187.3/57

asym_usl_reg_correction_rms vs Slug



Right In: 861.528+/-0.141 χ^2/NDF: 2830974.5/31

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

Right Out: 900.687+/-0.148 χ^2/NDF: 3632167.8/34

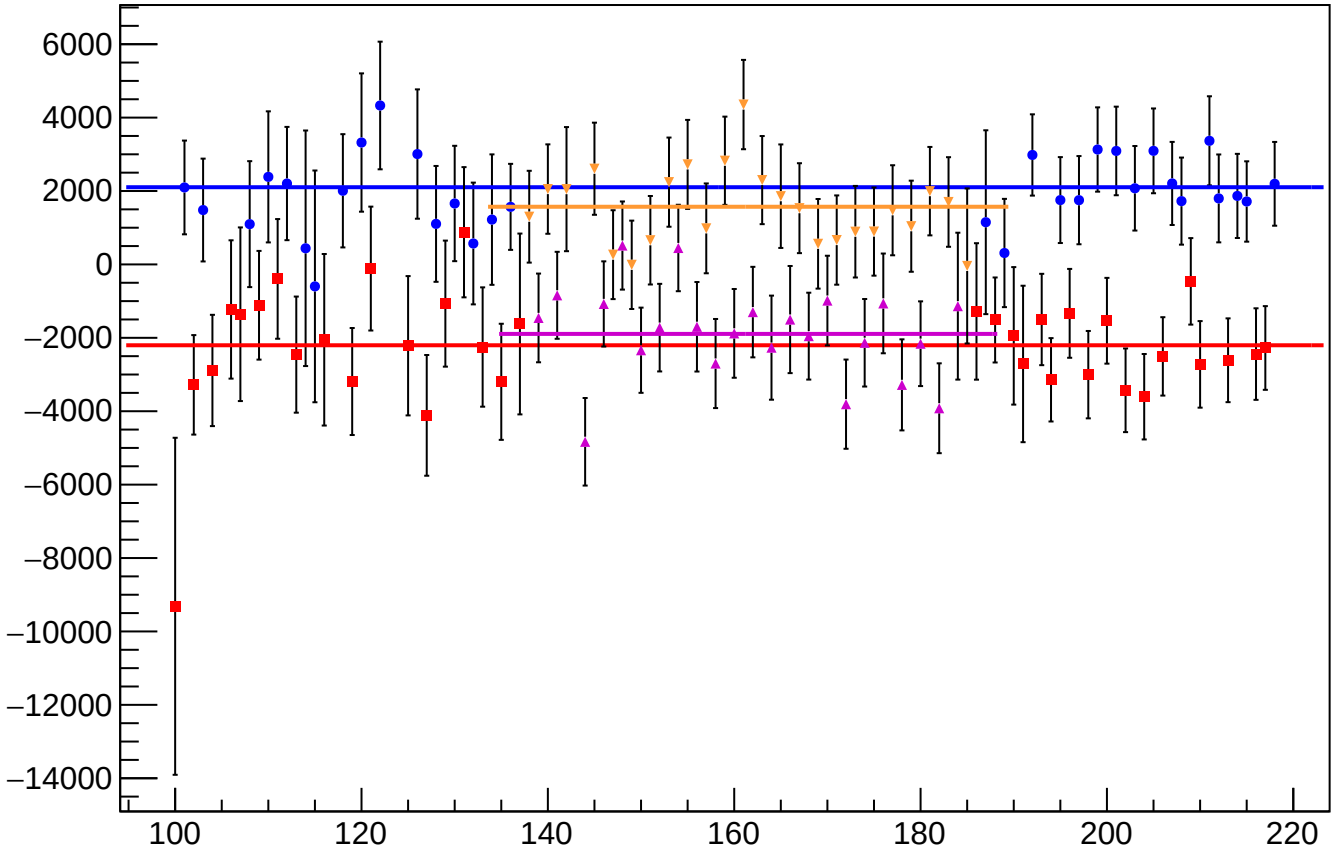
Left In: 1452.983+/-0.245 χ^2/NDF:1129567.2/22

+ sign 1011.940+/-0.122 χ^2/NDF: 8438956.9/55

All: 1029.689+/-0.088 χ^2/NDF: 16975449.9/1

- sign 1048.676+/-0.127 χ^2/NDF: 8492993.8/57

cor_asym_usl_mean vs Slug



Right In: 2103.345+/-242.548 χ^2/NDF: 11.8/31

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

Right Out: -2202.809+/-242.143 χ^2/NDF: 20.9/34

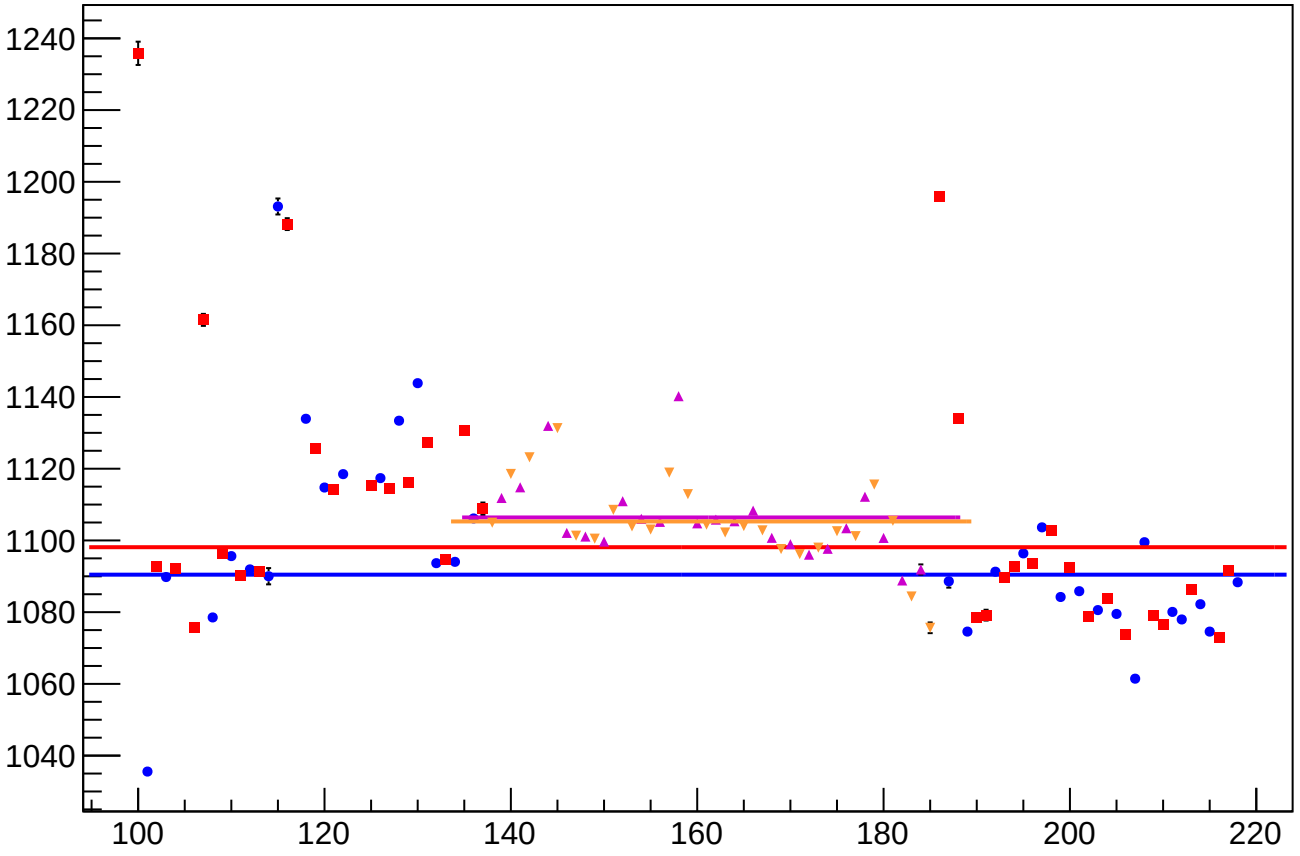
Left In: -1893.347+/-258.339 χ^2/NDF:24.1/22

+ sign 1852.107+/-176.245 χ^2/NDF: 29.4/55

All: -98.287+/-124.774 χ^2/NDF: 320.7/113

- sign -2058.082+/-176.669 χ^2/NDF: 45.8/57

cor_asym_usl_rms vs Slug



Right In: 1090.454+/-0.172 χ^2/NDF: 16260.4/31

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

Right Out: 1098.114+/-0.171 χ^2/NDF: 21850.0/34

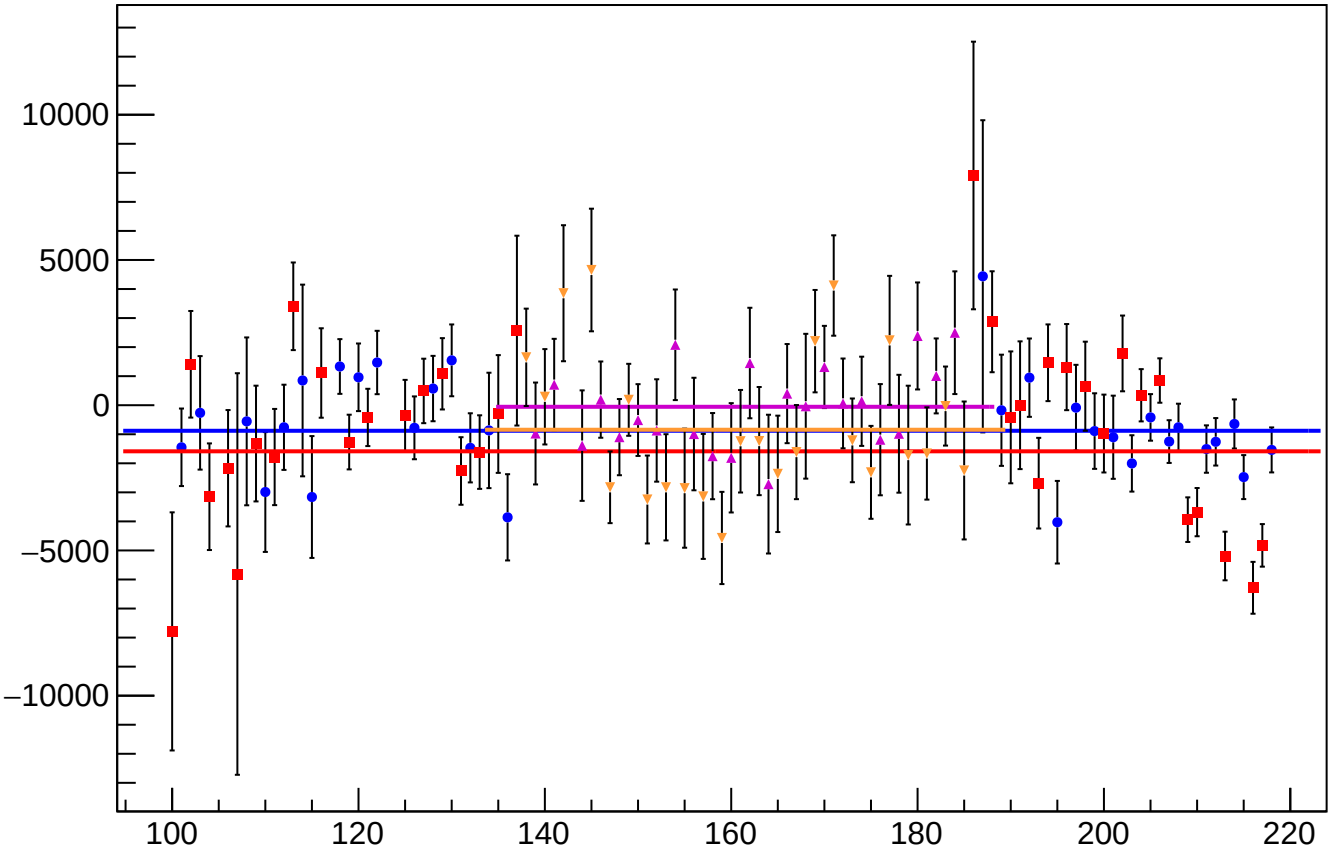
Left In: 1106.405+/-0.183 χ^2/NDF:3776.4/22

+ sign 1097.459+/-0.125 χ^2/NDF: 22956.0/55

All: 1099.719+/-0.088 χ^2/NDF: 50339.0/113

- sign 1101.991+/-0.125 χ^2/NDF: 26723.2/57

asym_usl_cor_correction_mean vs Slug



Right In: -880.279+/-199.730 χ^2/NDF: 41.4/31

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

Right Out: -1587.298+/-209.309 χ^2/NDF: 159.9/34

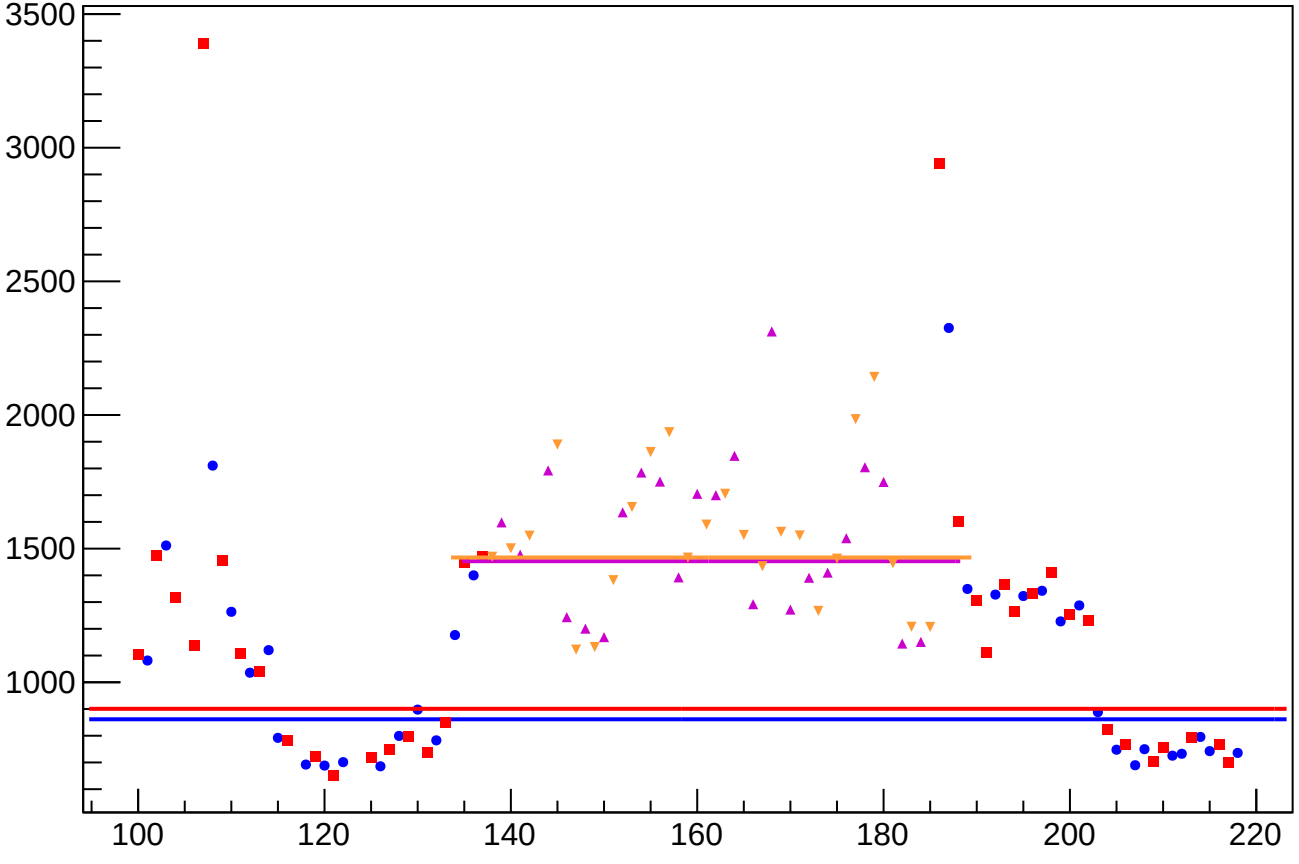
Left In: -54.347+/-345.962 χ^2/NDF:13.0/22

+ sign -871.425+/-173.146 χ^2/NDF: 85.6/55

All: -1018.840+/-124.479 χ^2/NDF: 274.4/113

- sign -1176.540+/-179.084 χ^2/NDF: 187.3/57

asym_usl_cor_correction_rms vs Slug



Right In: 861.528+/-0.141 χ^2/NDF: 2830974.5/31

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

Right Out: 900.687+/-0.148 χ^2/NDF: 3632166.0/34

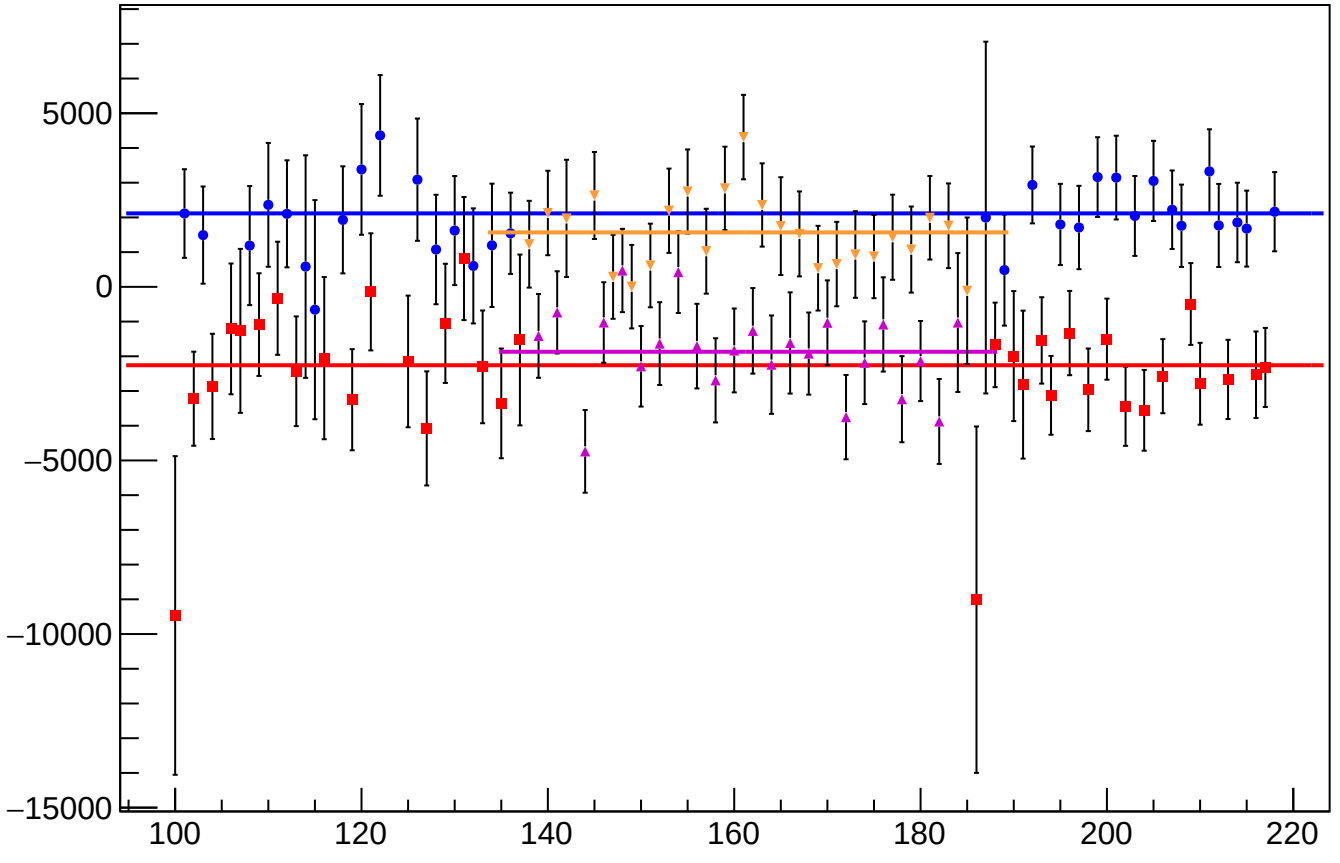
Left In: 1452.983+/-0.245 χ^2/NDF:1129567.2/22

+ sign 1011.940+/-0.122 χ^2/NDF: 8438956.9/55

All: 1029.689+/-0.088 χ^2/NDF: 16975449.1/1

- sign 1048.676+/-0.127 χ^2/NDF: 8492993.1/57

overload_cor_asym_usl_mean vs Slug



Right In: 2116.030+/-243.749 χ^2/NDF: 11.2/31

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

Right Out: -2257.880+/-244.322 χ^2/NDF: 22.5/34

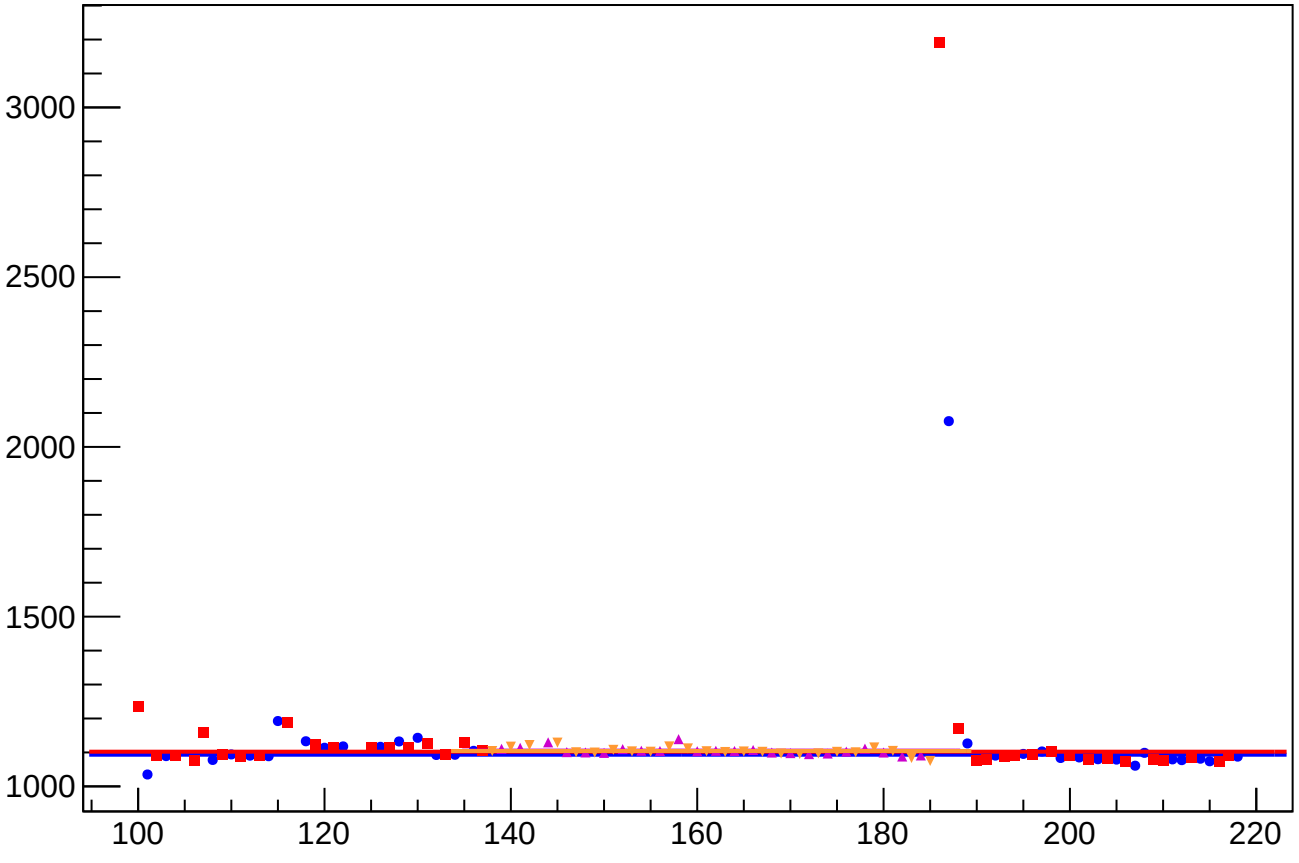
Left In: -1869.342+/-258.099 χ^2/NDF:23.4/22

+ sign 1856.128+/-176.625 χ^2/NDF: 29.0/55

All: -100.101+/-125.177 χ^2/NDF: 322.5/113

- sign -2074.258+/-177.433 χ^2/NDF: 47.1/57

overload_cor_asym_usl_rms vs Slug



Right In: 1093.306+/-0.172 χ^2/NDF: 92294.5/31

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

Right Out: 1102.191+/-0.173 χ^2/NDF: 372901.5/34

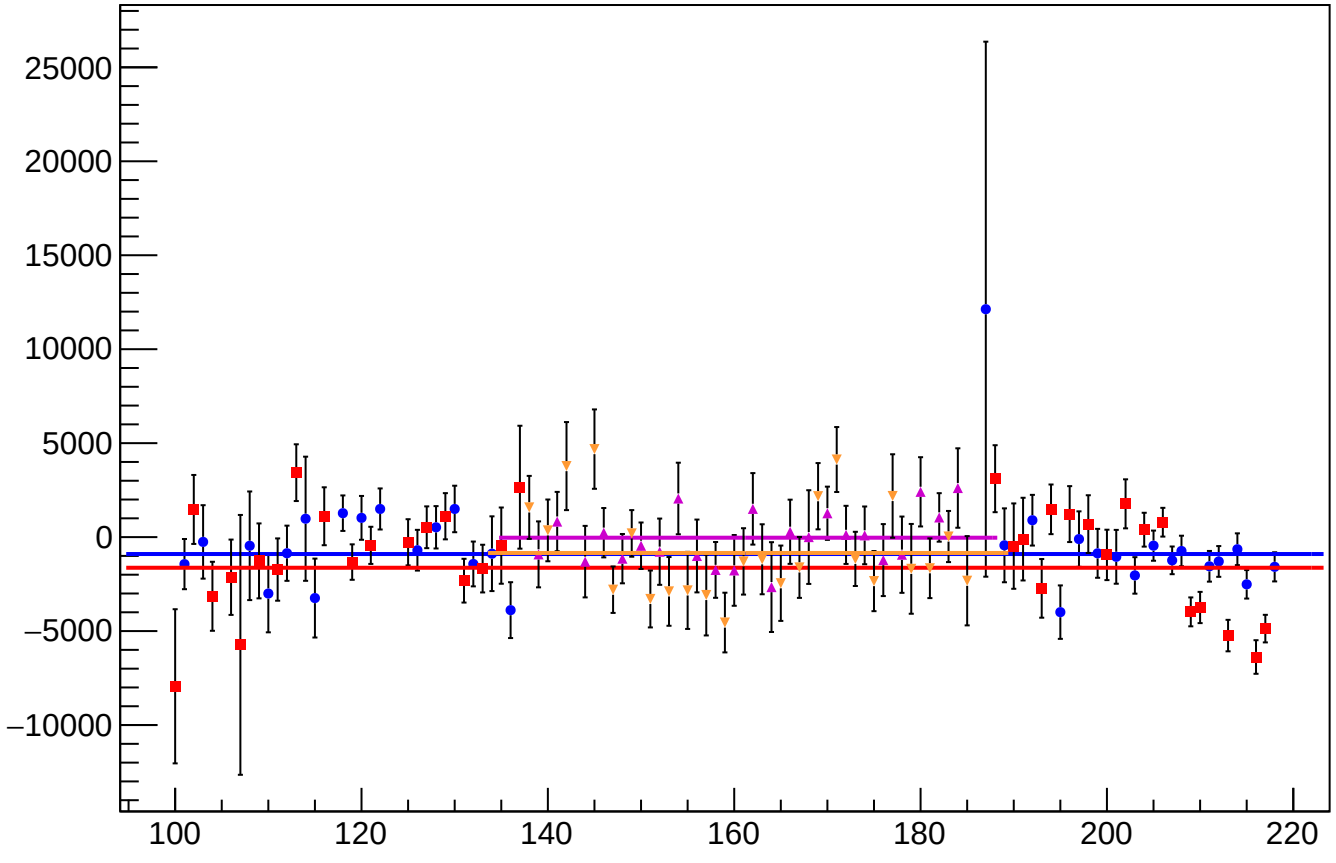
Left In: 1105.380+/-0.183 χ^2/NDF:3661.0/22

+ sign 1098.507+/-0.125 χ^2/NDF: 97211.6/55

All: 1101.091+/-0.089 χ^2/NDF: 474795.1/113

- sign 1103.698+/-0.125 χ^2/NDF: 376723.7/57

asym_usl_overload_cor_correction_mean vs Slug



Right In: -899.503+/-200.145 χ^2/NDF: 41.2/31

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

Right Out: -1630.216+/-209.852 χ^2/NDF: 158.7/33

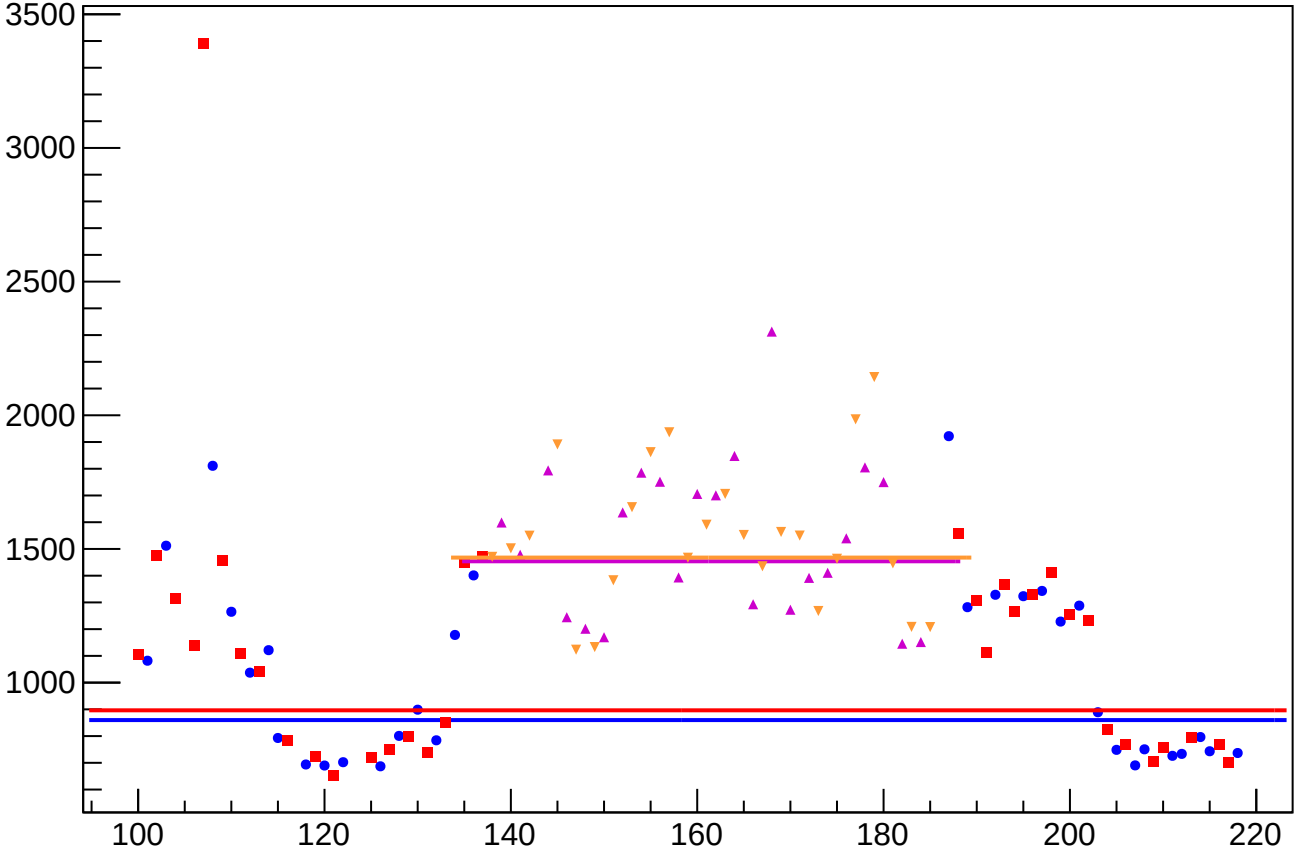
Left In: -31.387+/-346.155 χ^2/NDF:13.1/22

+ sign -885.500+/-173.440 χ^2/NDF: 85.3/55

All: -1037.650+/-124.711 χ^2/NDF: 274.3/112

- sign -1200.529+/-179.451 χ^2/NDF: 187.4/56

asym_usl_overload_cor_correction_rms vs Slug



Right In: 859.853+/-0.142 χ^2/NDF: 2647999.3/31

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

Right Out: 896.370+/-0.148 χ^2/NDF: 3173878.5/33

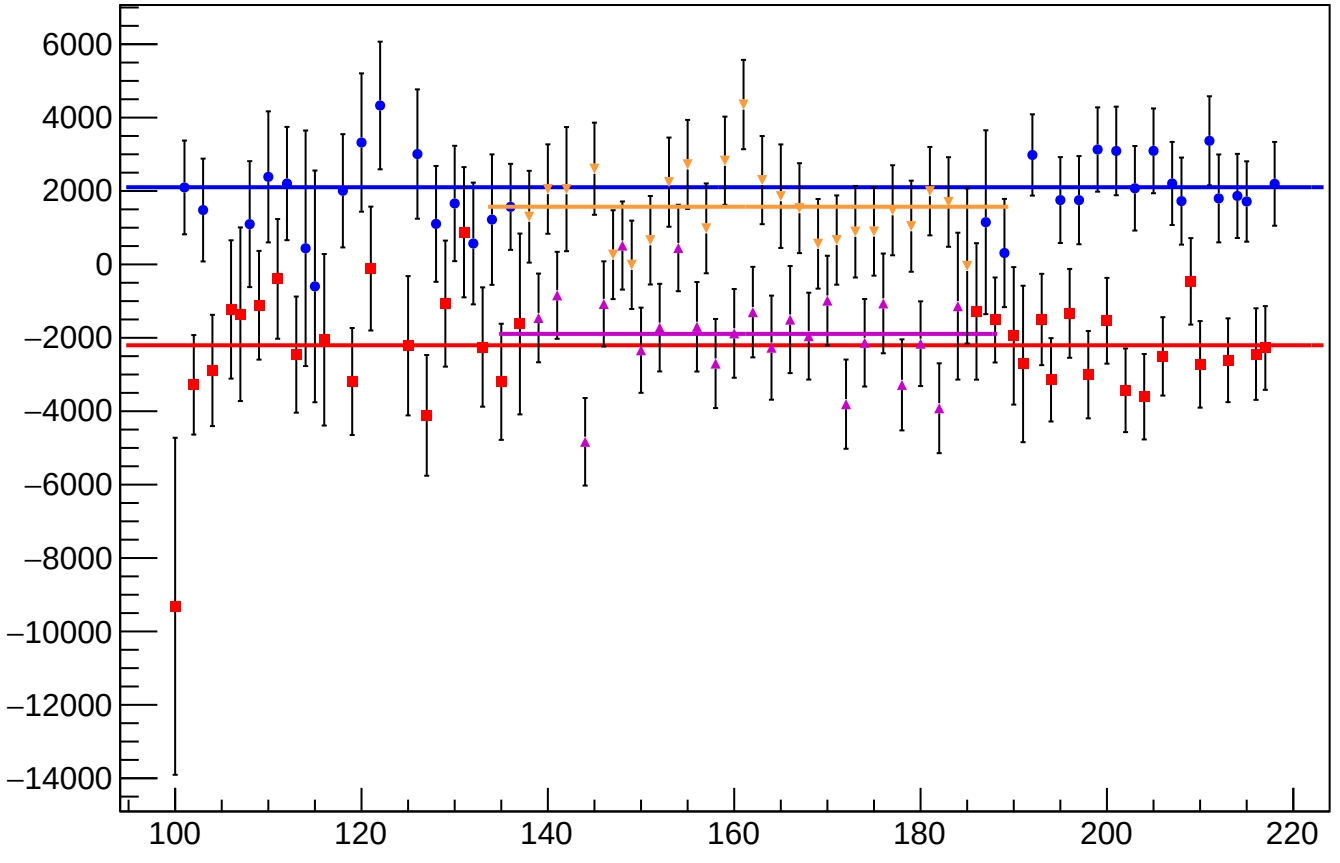
Left In: 1453.834+/-0.245 χ^2/NDF:1127997.5/22

+ sign 1011.238+/-0.123 χ^2/NDF: 8284173.4/55

All: 1028.118+/-0.088 χ^2/NDF: 16418314.9/1

- sign 1046.189+/-0.127 χ^2/NDF: 8094916.9/56

eigen_cor_asym_usl_mean vs Slug



Right In: 2103.345+/-242.548 χ^2/NDF: 11.8/31

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

Right Out: -2202.809+/-242.143 χ^2/NDF: 20.9/34

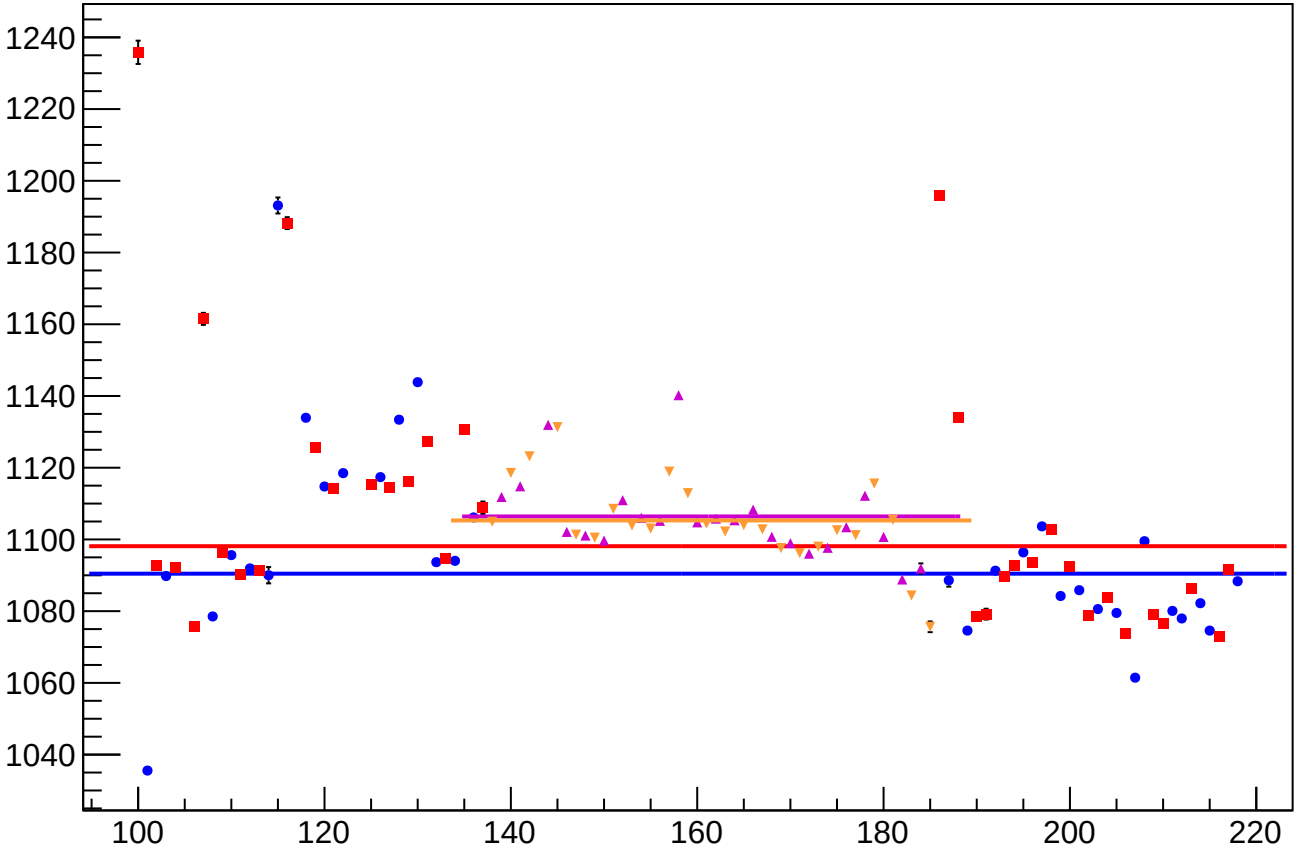
Left In: -1893.347+/-258.339 χ^2/NDF:24.1/22

+ sign 1852.107+/-176.245 χ^2/NDF: 29.4/55

All: -98.287+/-124.774 χ^2/NDF: 320.7/113

- sign -2058.082+/-176.669 χ^2/NDF: 45.8/57

eigen_cor_asym_usl_rms vs Slug



Right In: 1090.454+/-0.172 χ^2/NDF: 16260.4/31

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

Right Out: 1098.114+/-0.171 χ^2/NDF: 21850.0/34

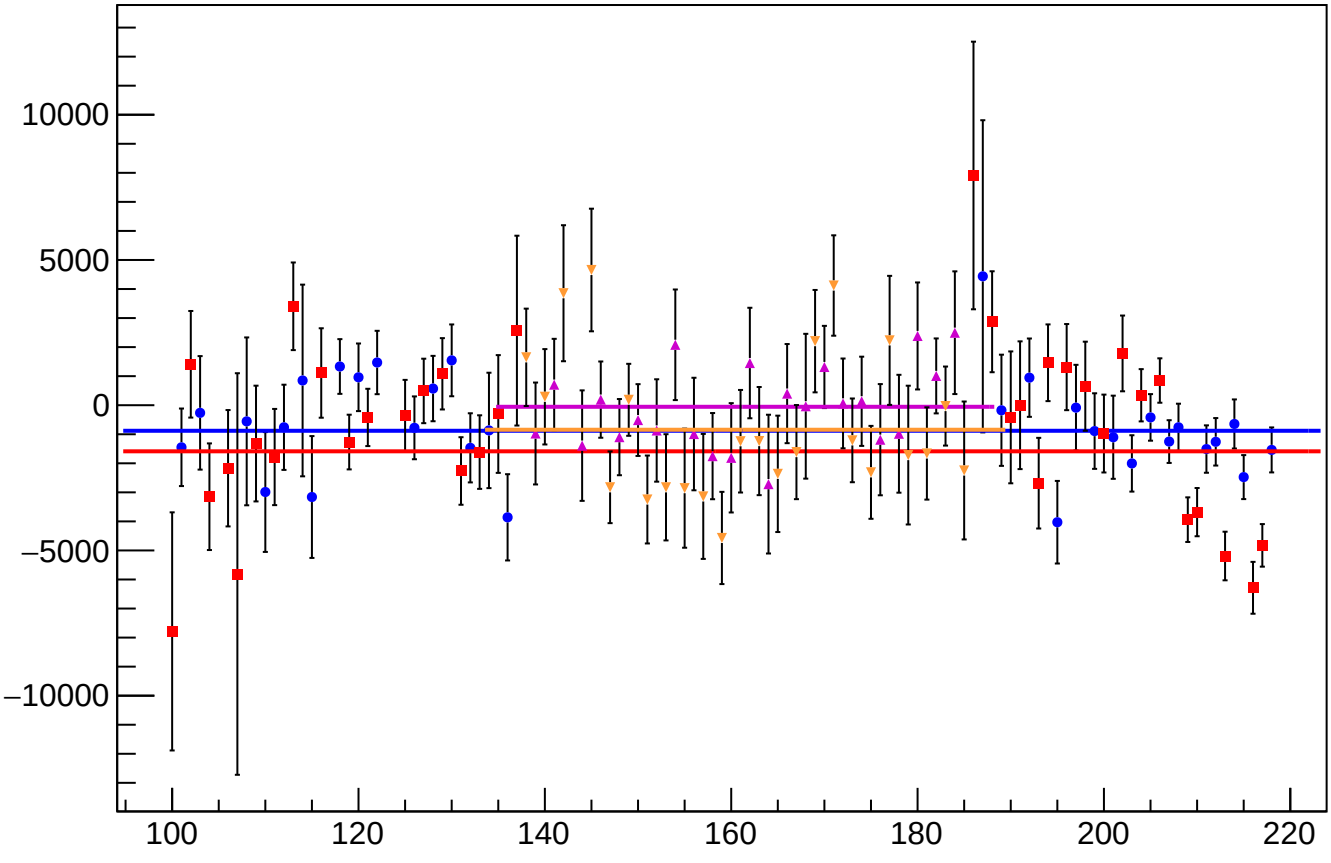
Left In: 1106.405+/-0.183 χ^2/NDF:3776.4/22

+ sign 1097.459+/-0.125 χ^2/NDF: 22956.0/55

All: 1099.719+/-0.088 χ^2/NDF: 50339.0/113

- sign 1101.991+/-0.125 χ^2/NDF: 26723.2/57

asym_usl_eigen_cor_correction_mean vs Slug



Right In: -880.279+/-199.730 χ^2/NDF: 41.4/31

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

Right Out: -1587.298+/-209.309 χ^2/NDF: 159.9/34

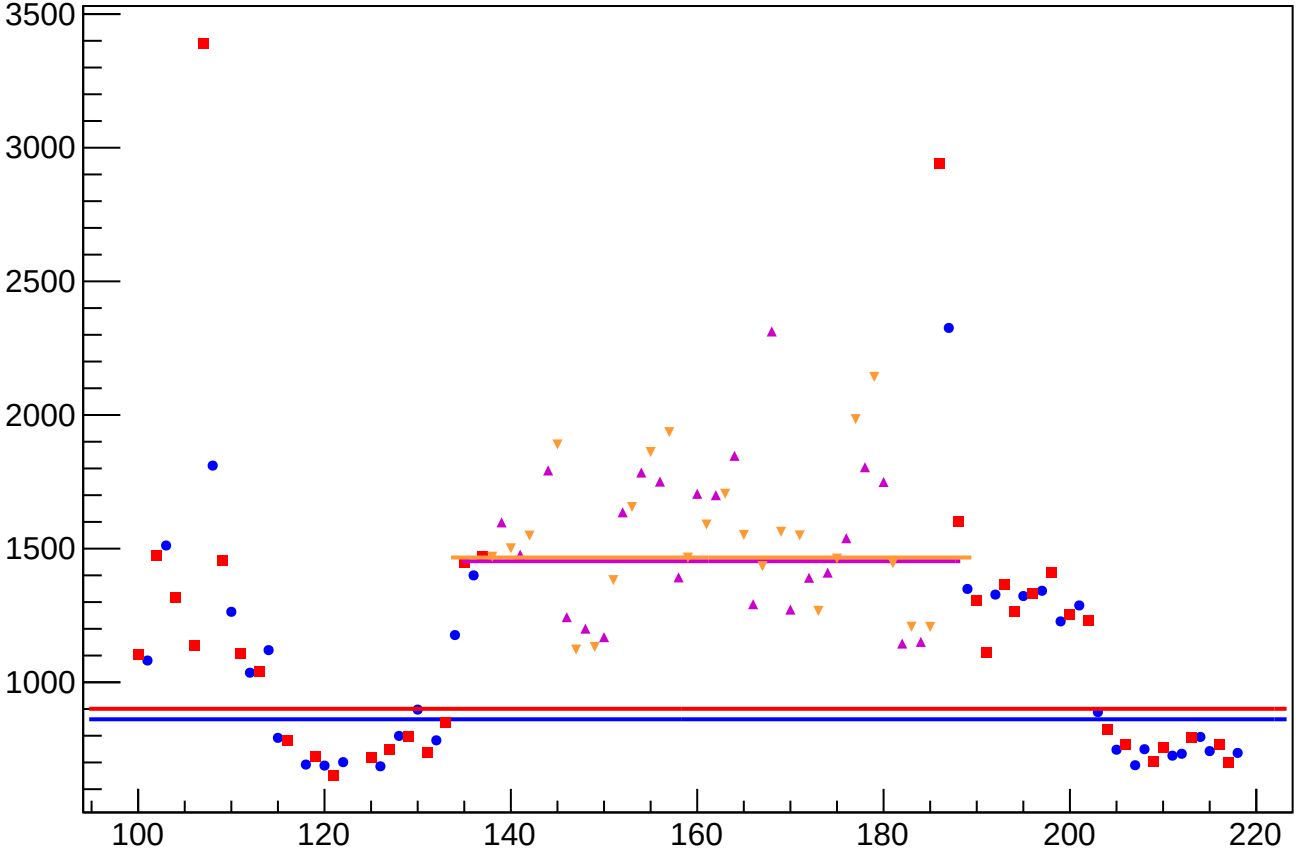
Left In: -54.347+/-345.962 χ^2/NDF:13.0/22

\+ sign -871.425+/-173.146 χ^2/NDF: 85.6/55

All: -1018.840+/-124.479 χ^2/NDF: 274.4/113

\- sign -1176.540+/-179.084 χ^2/NDF: 187.3/57

asym_usl_eigen_cor_correction_rms vs Slug



Right In: 861.528+/-0.141 χ^2/NDF: 2830974.5/31

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

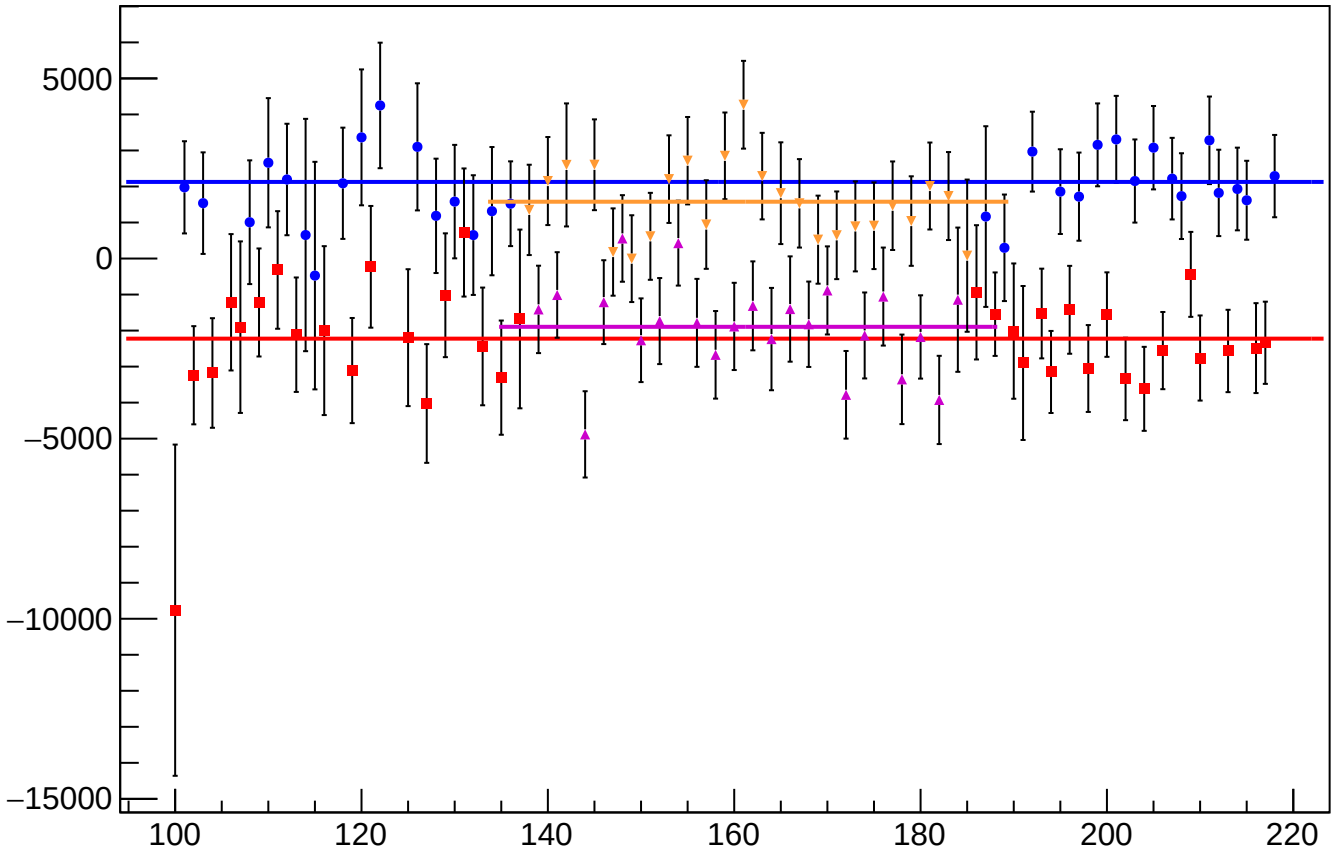
Right Out: 900.687+/-0.148 χ^2/NDF: 3632166.0/34

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

+ sign 1011.940+/-0.122 χ^2/NDF: 8438956.9/55

All: 1029.689+/-0.088 χ^2/NDF: 16975449.1/1

- sign 1048.676+/-0.127 χ^2/NDF: 8492993.1/57



Right In: 2126.732+/-243.243 χ^2/NDF: 11.7/31

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

Right Out: -2223.896+/-242.930 χ^2/NDF: 20.7/34

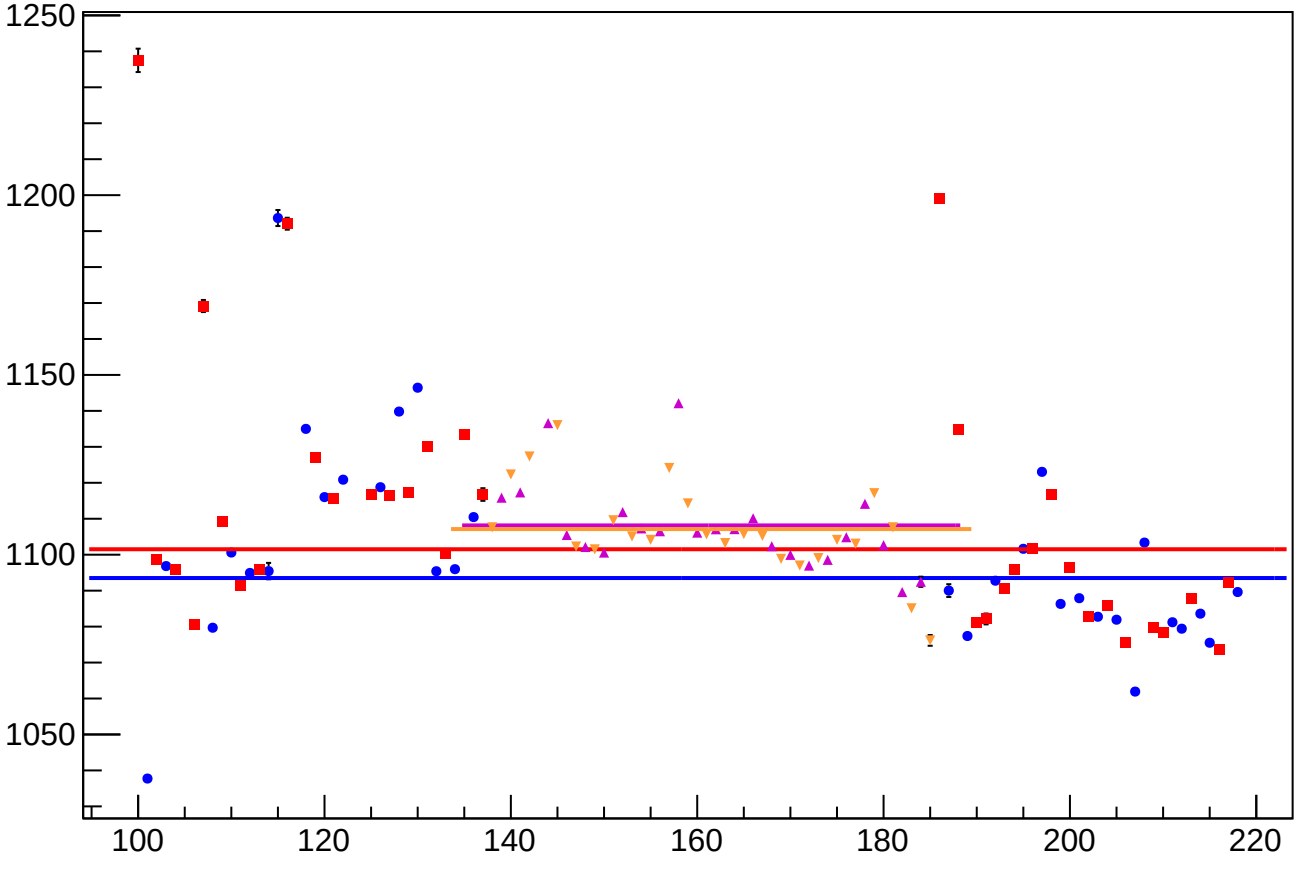
Left In: -1895.548+/-258.750 χ^2/NDF:24.1/22

+ sign 1867.165+/-176.663 χ^2/NDF: 29.7/55

All: -96.518+/-125.076 χ^2/NDF: 323.1/113

- sign -2070.066+/-177.106 χ^2/NDF: 45.7/57

dit_asym_usl_rms vs Slug



Right In: 1093.510+/-0.172 χ^2/NDF: 17878.8/31

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

Right Out: 1101.517+/-0.172 χ^2/NDF: 22433.5/34

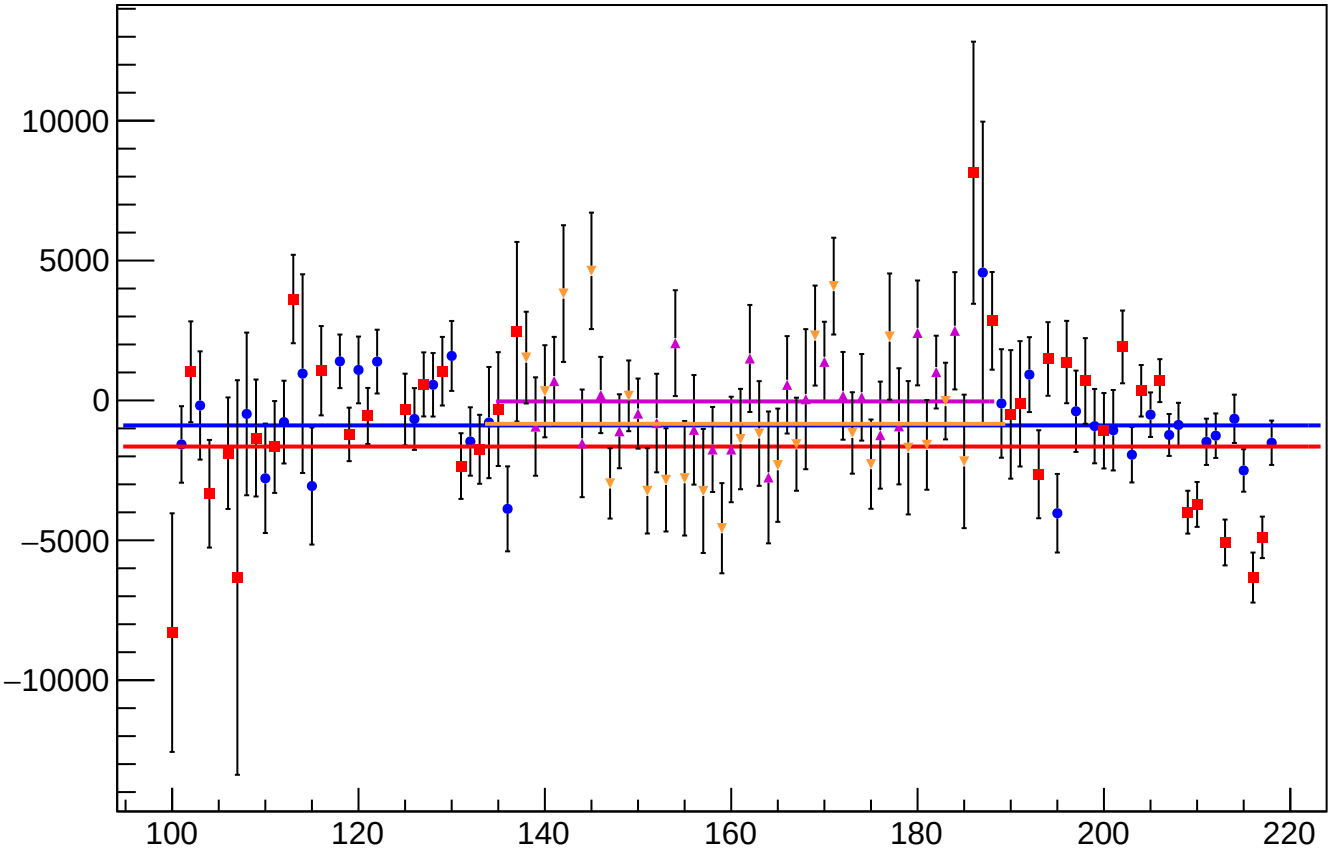
Left In: 1108.145+/-0.183 χ^2/NDF:4190.5/22

+ sign 1099.944+/-0.125 χ^2/NDF: 24623.8/55

All: 1102.277+/-0.088 χ^2/NDF: 52644.8/113

- sign 1104.622+/-0.125 χ^2/NDF: 27321.6/57

asym_usl_dit_correction_mean vs Slug



Right In: -893.083+/-201.298 χ^2/NDF: 40.5/31

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

Right Out: -1648.370+/-210.273 χ^2/NDF: 159.7/34

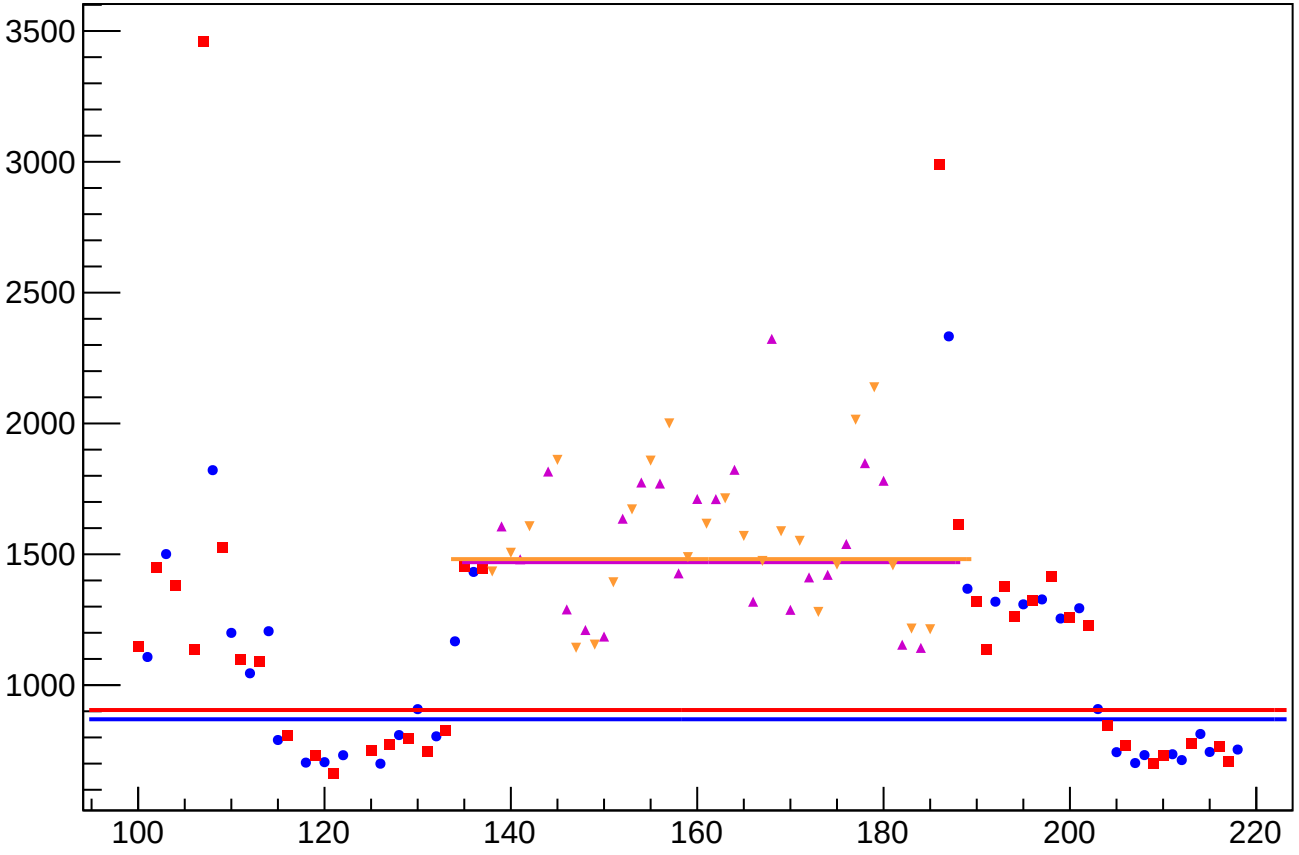
Left In: -35.516+/-349.636 χ^2/NDF:13.1/22

+ sign -878.756+/-174.572 χ^2/NDF: 84.1/55

All: -1043.954+/-125.382 χ^2/NDF: 274.4/113

- sign -1219.967+/-180.196 χ^2/NDF: 188.5/57

asym_usl_dit_correction_rms vs Slug



Right In: 869.407+/-0.142 χ^2/NDF: 2789147.0/31

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

Right Out: 904.795+/-0.149 χ^2/NDF: 3667855.0/34

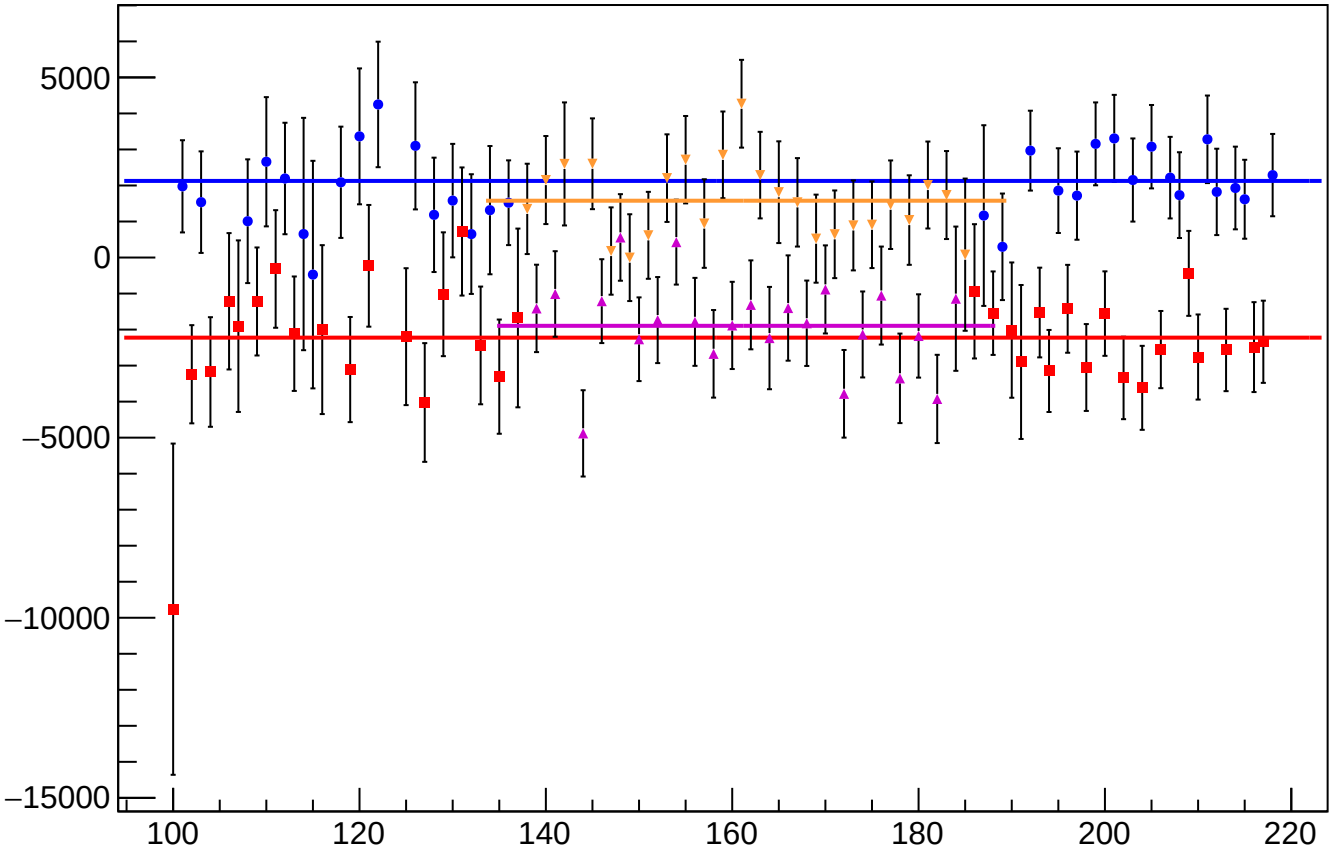
Left In: 1469.907+/-0.247 χ^2/NDF:1095056.5/22

+ sign 1021.160+/-0.123 χ^2/NDF: 8391580.2/55

All: 1037.495+/-0.089 χ^2/NDF: 17027638.1/1

- sign 1054.899+/-0.127 χ^2/NDF: 8599890.3/57

eigen_dit_asym_usl_mean vs Slug



Right In: 2126.732+/-243.243 χ^2/NDF: 11.7/31

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

Right Out: -2223.894+/-242.930 χ^2/NDF: 20.7/34

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

+ sign 1867.164+/-176.663 χ^2/NDF: 29.7/55

All: -96.519+/-125.076 χ^2/NDF: 323.1/113

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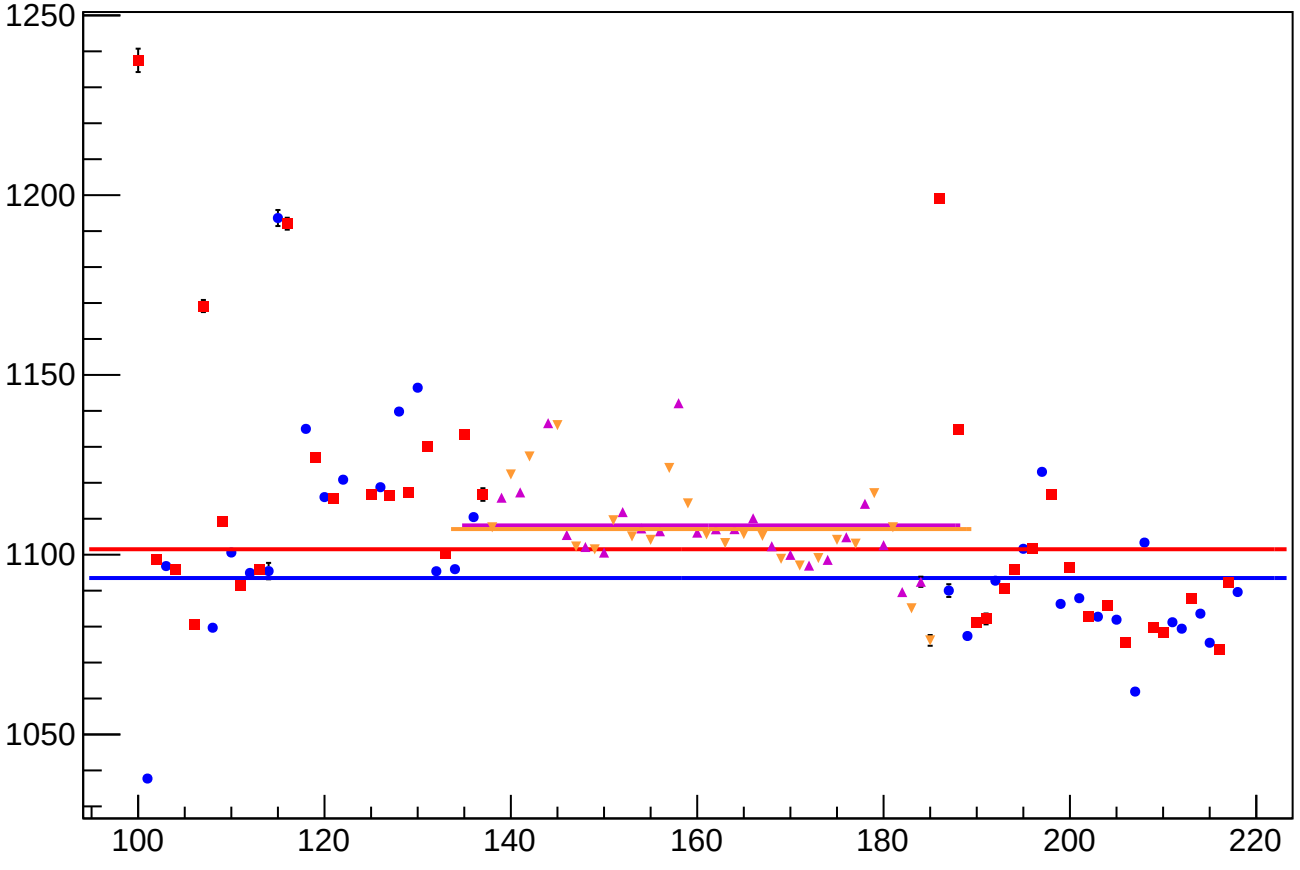
eigen_dit_asym_usl_rms vs Slug



Right In: 1093.510+/-0.172 χ^2/NDF: 17878.8/31

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

Right Out: 1101.517+/-0.172 χ^2/NDF: 22433.4/34

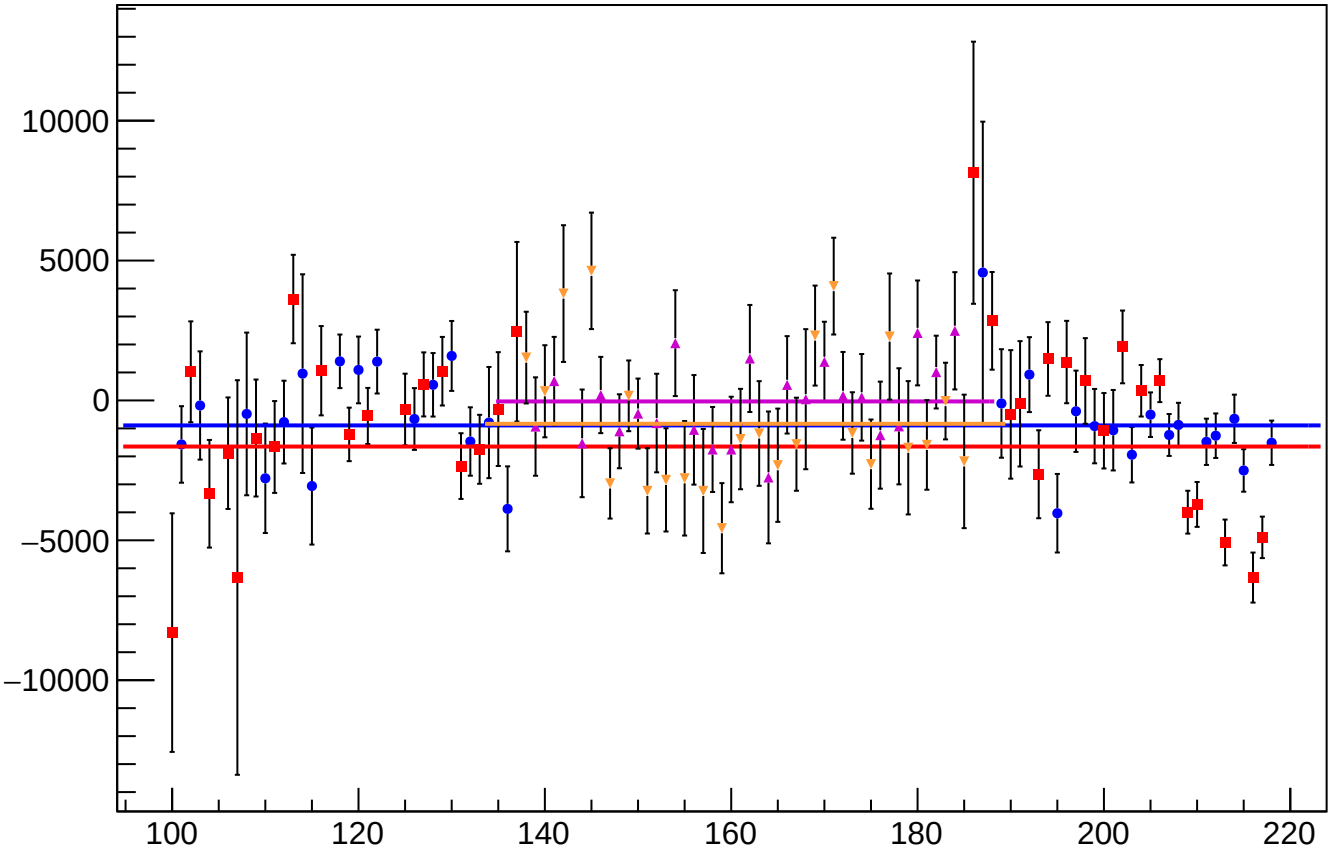
Left In: 1108.145+/-0.183 χ^2/NDF:4190.5/22

+ sign 1099.944+/-0.125 χ^2/NDF: 24623.8/55

All: 1102.277+/-0.088 χ^2/NDF: 52644.8/113

- sign 1104.622+/-0.125 χ^2/NDF: 27321.5/57

asym_usl_eigen_dit_correction_mean vs Slug



Right In: -893.081+/-201.298 χ^2/NDF: 40.5/31

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

Right Out: -1648.367+/-210.273 χ^2/NDF: 159.7/34

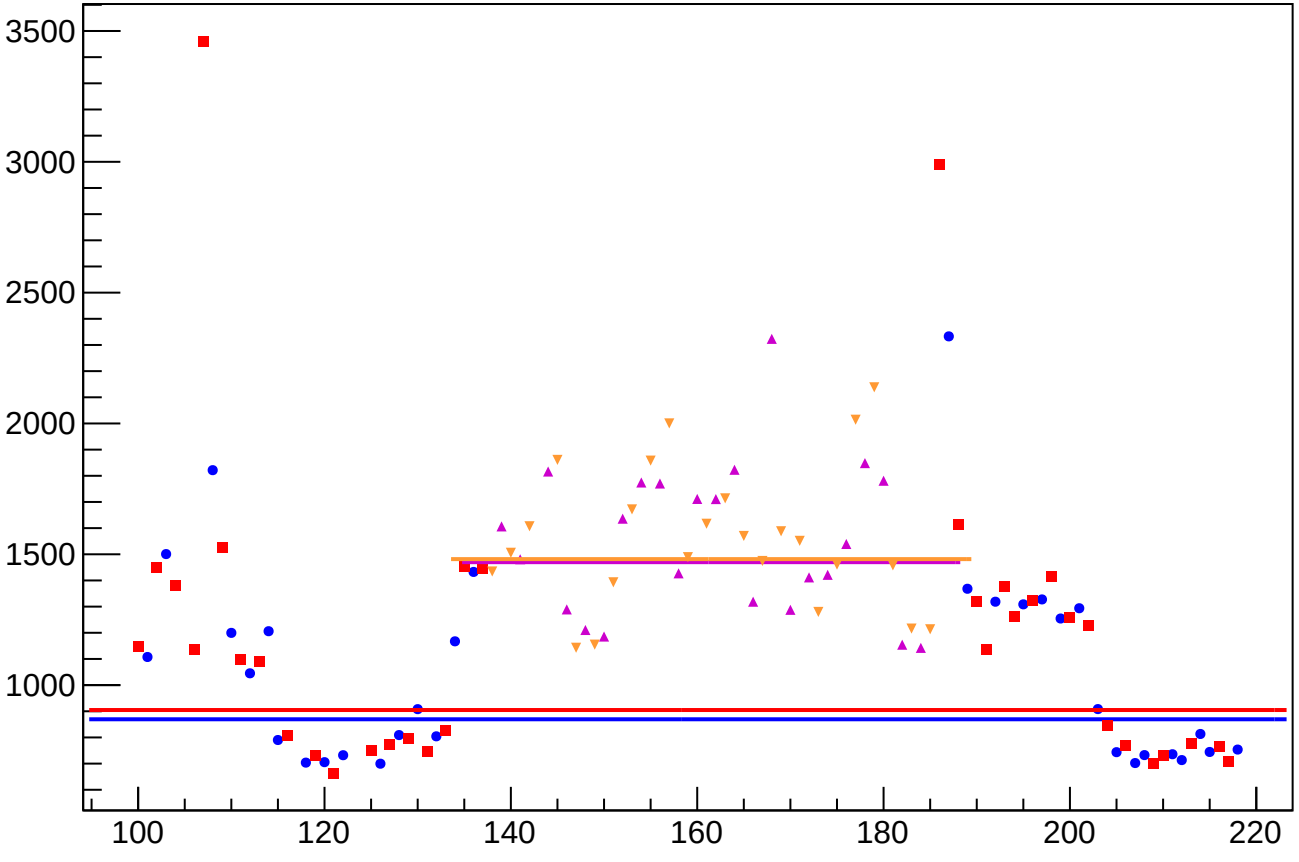
Left In: -35.516+/-349.636 χ^2/NDF:13.1/22

+ sign -878.755+/-174.572 χ^2/NDF: 84.1/55

All: -1043.953+/-125.382 χ^2/NDF: 274.4/113

- sign -1219.966+/-180.196 χ^2/NDF: 188.5/57

asym_usl_eigen_dit_correction_rms vs Slug



Right In: 869.407+/-0.142 χ^2/NDF: 2789147.5/31

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

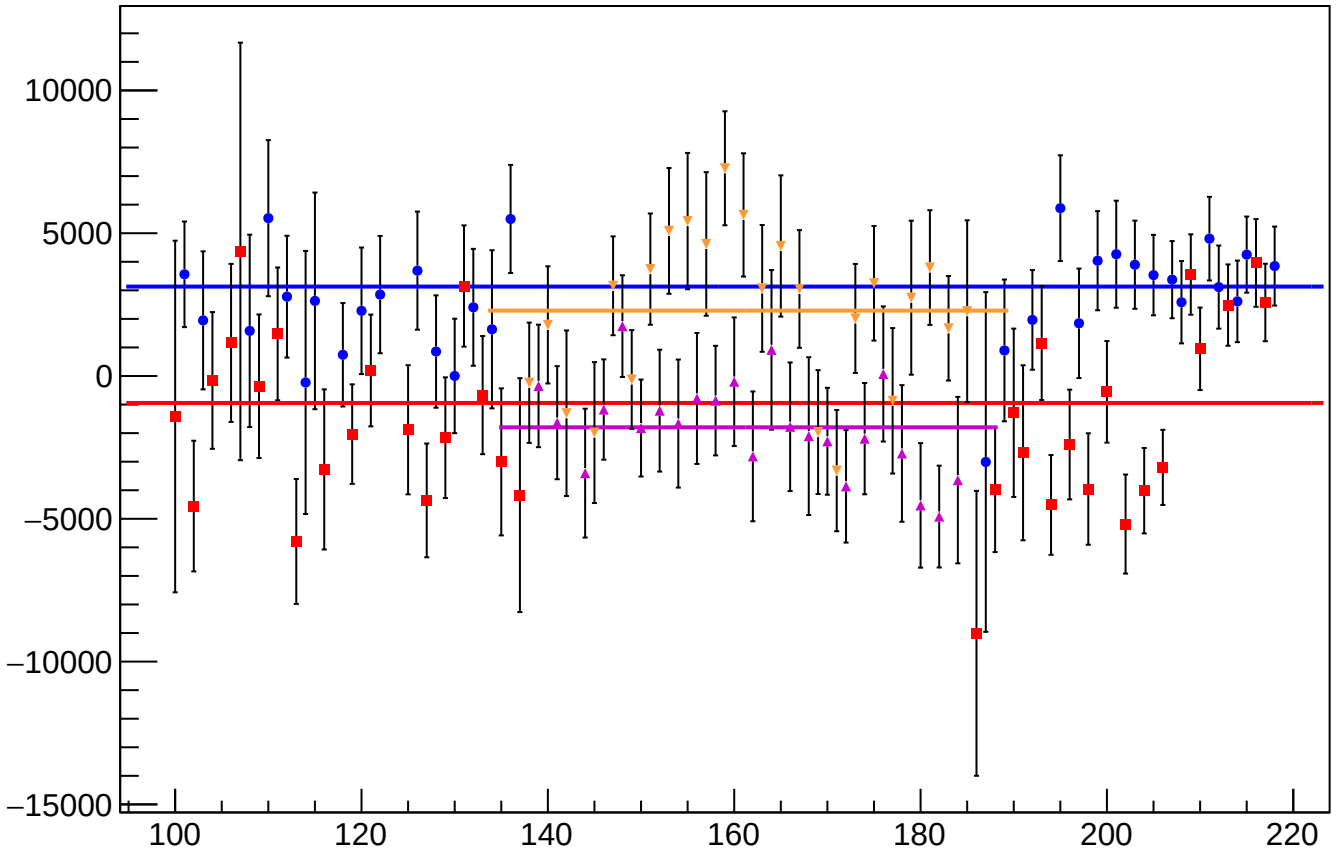
Right Out: 904.794+/-0.149 χ^2/NDF: 3667854.6/34

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

+ sign 1021.160+/-0.123 χ^2/NDF: 8391600.0/55

All: 1037.494+/-0.089 χ^2/NDF: 17027675.5/1

- sign 1054.898+/-0.127 χ^2/NDF: 8599907.9/57



Right In: 3131.549+/-327.444 χ^2/NDF: 18.1/31

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

Right Out: -943.257+/-336.122 χ^2/NDF: 80.6/34

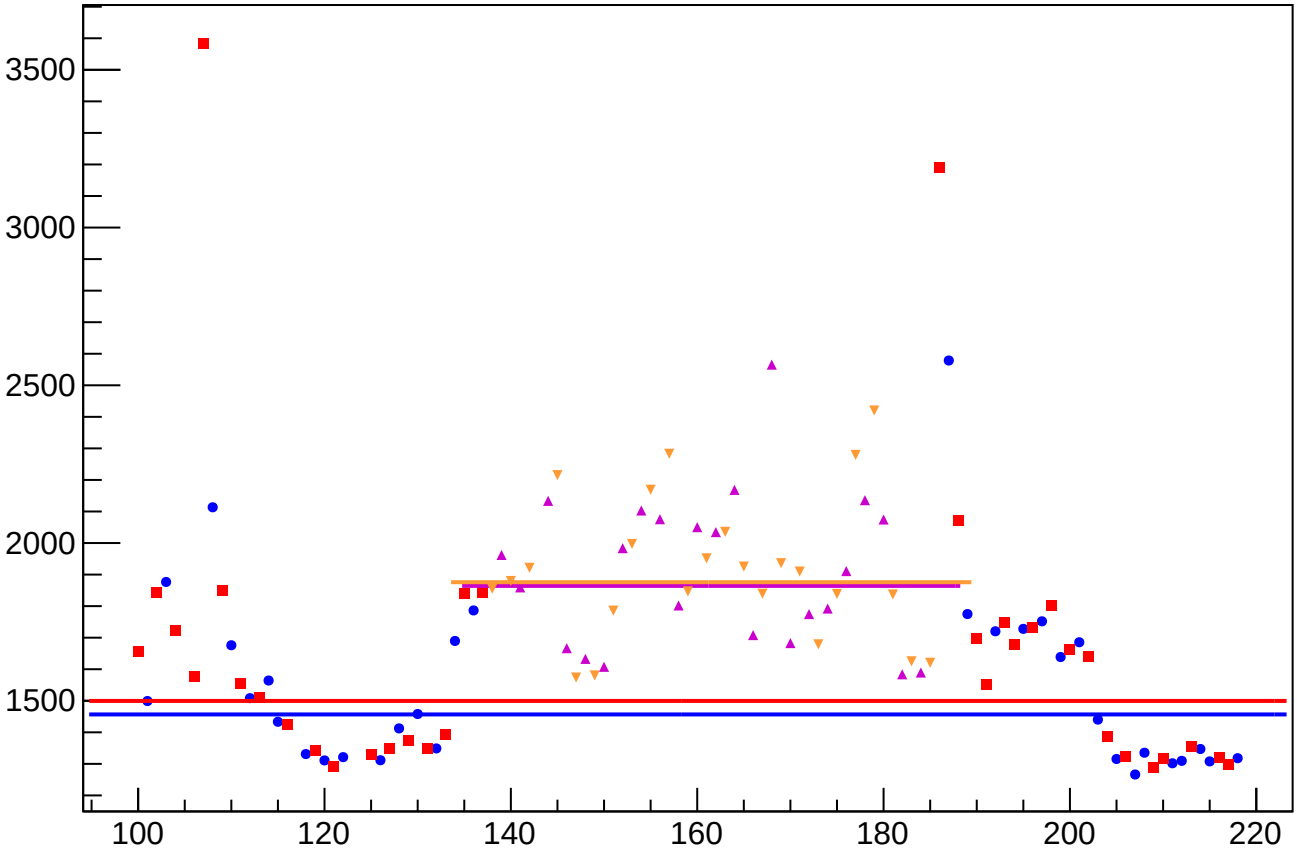
Left In: -1796.308+/-439.143 χ^2/NDF:14.2/22

+ sign 2830.903+/-262.543 χ^2/NDF: 56.5/55

All: 819.992+/-187.171 χ^2/NDF: 273.0/113

- sign -1258.392+/-266.911 χ^2/NDF: 97.2/57

asym_usl_rms vs Slug



Right In: 1456.714+/-0.232 χ^2/NDF: 736572.3/31

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

Right Out: 1499.521+/-0.238 χ^2/NDF: 1153026.5/34

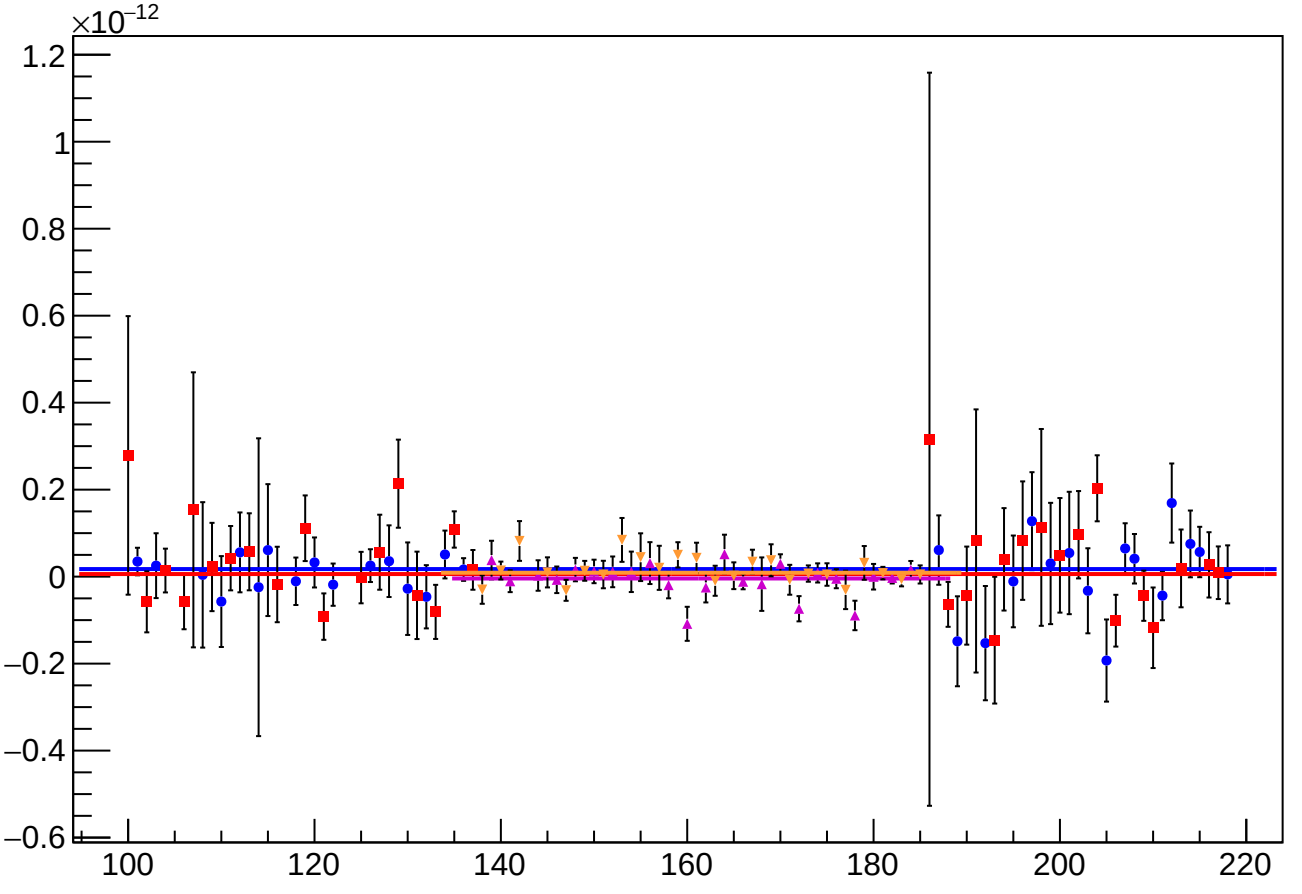
Left In: 1864.162+/-0.311 χ^2/NDF:510600.5/22

+ sign 1606.387+/-0.186 χ^2/NDF: 2379224.5/55

All: 1620.078+/-0.132 χ^2/NDF: 4923448.6/11

- sign 1634.227+/-0.189 χ^2/NDF: 2533165.3/57

asym_usl_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 20.1/31

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

Right Out: 0.000+/-0.000 χ^2/NDF: 39.1/34

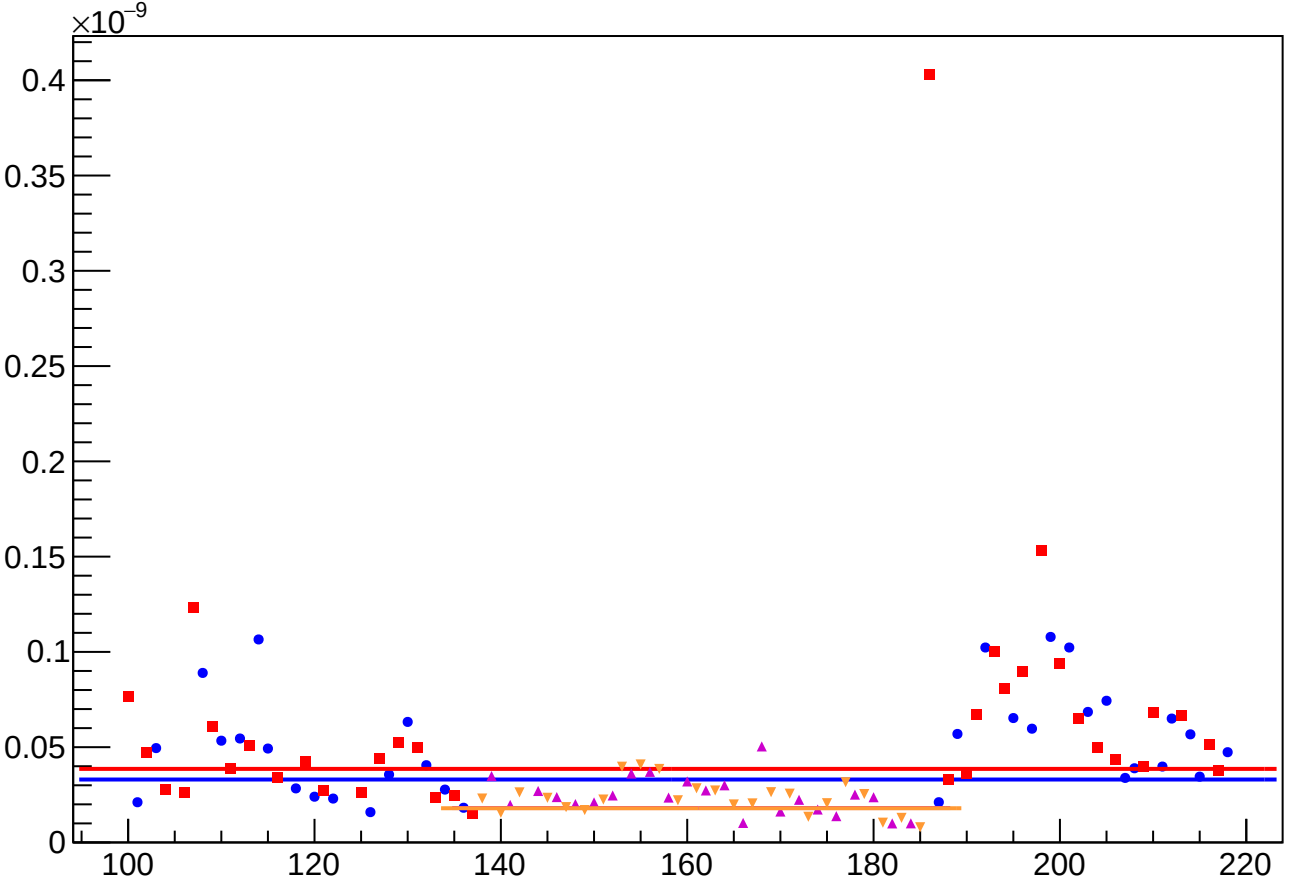
Left In: -0.000+/-0.000 χ^2/NDF:28.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 37.2/55

All: 0.000+/-0.000 χ^2/NDF: 108.4/113

- sign -0.000+/-0.000 χ^2/NDF: 67.7/57

asym_usl_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 5614864.6/31

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

Right Out: 0.000+/-0.000 χ^2/NDF: 4469230.6/34

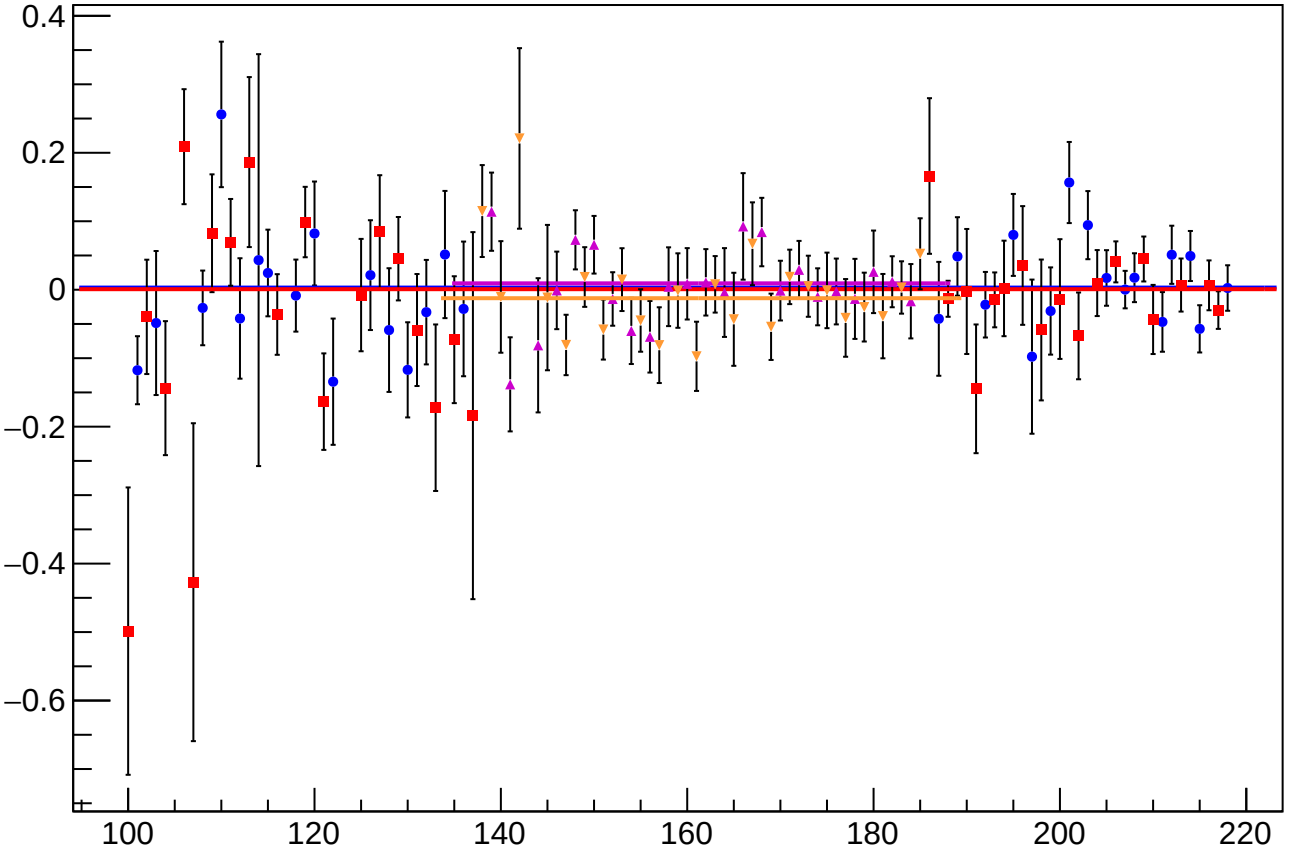
Left In: 0.000+/-0.000 χ^2/NDF:4180182.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 12039688.7/55

All: 0.000+/-0.000 χ^2/NDF: 25057932.7/113

- sign 0.000+/-0.000 χ^2/NDF: 13011310.6/57

asym_usl_dit_vs_cor_diff_mean vs Slug



Right In: 0.003+/-0.009 χ^2/NDF: 41.5/31

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

Right Out: 0.001+/-0.009 χ^2/NDF: 48.9/34

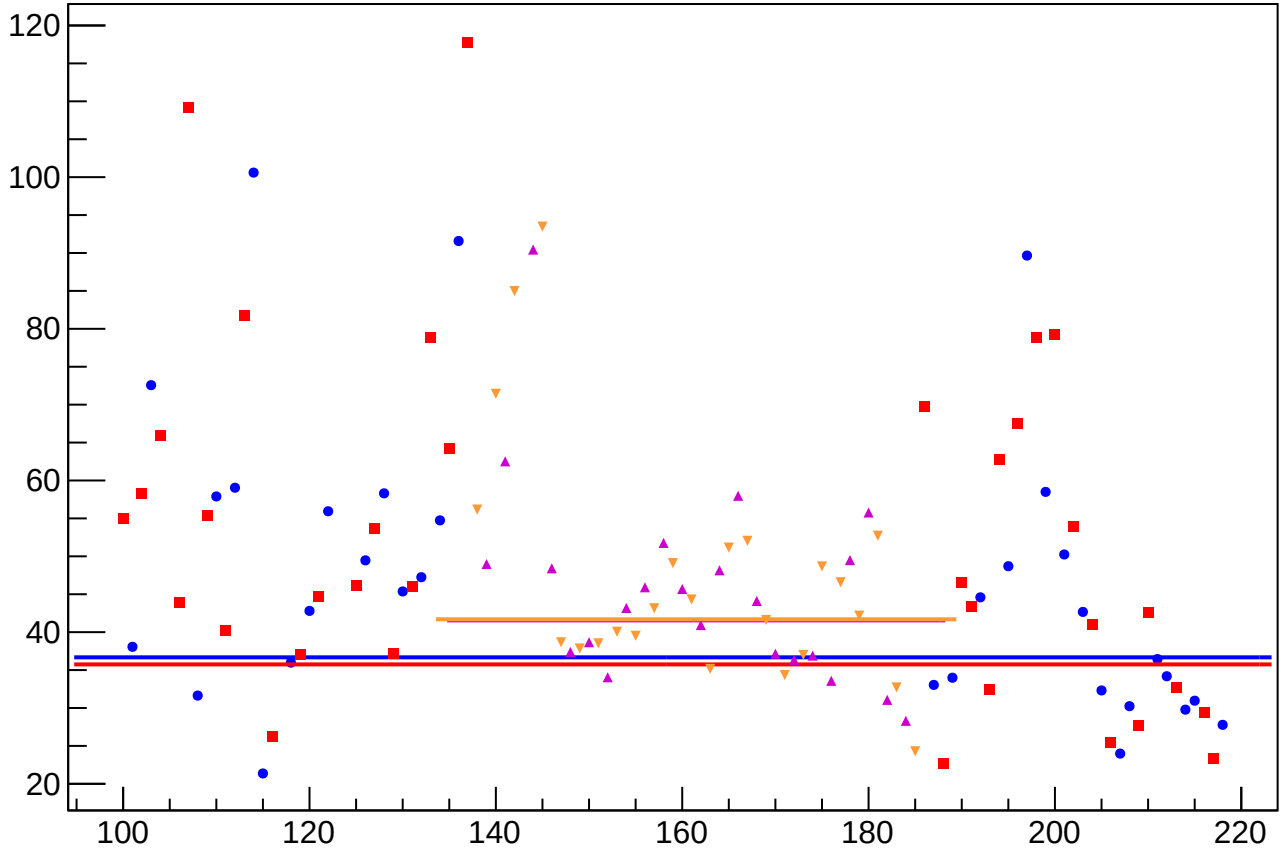
Left In: 0.009+/-0.010 χ^2/NDF:21.9/22

+ sign -0.004+/-0.007 χ^2/NDF: 64.7/55

All: 0.000+/-0.005 χ^2/NDF: 136.6/113

- sign 0.005+/-0.007 χ^2/NDF: 71.2/57

asym_usl_dit_vs_cor_diff_rms vs Slug



Right In: 36.680+/-0.007 χ^2/NDF: 3452390.6/31

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

Right Out: 35.747+/-0.007 χ^2/NDF: 5031716.8/34

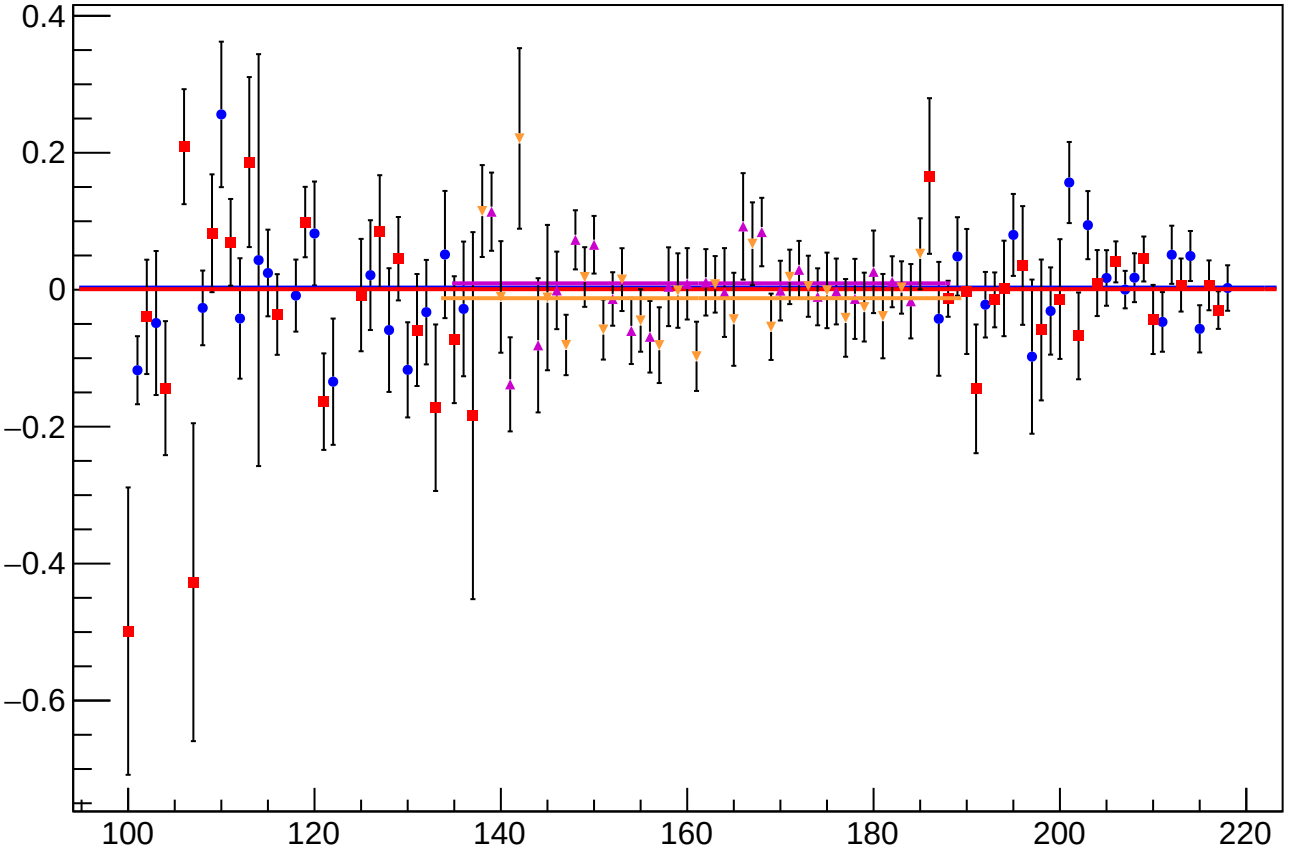
Left In: 41.550+/-0.007 χ^2/NDF:1612979.7/22

+ sign 38.912+/-0.005 χ^2/NDF: 5527645.9/55

All: 38.613+/-0.003 χ^2/NDF: 12521449.4/113

- sign 38.316+/-0.005 χ^2/NDF: 6986524.2/57

asym_usl_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.003+/-0.009 χ^2/NDF: 41.5/31

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

Right Out: 0.001+/-0.009 χ^2/NDF: 48.9/34

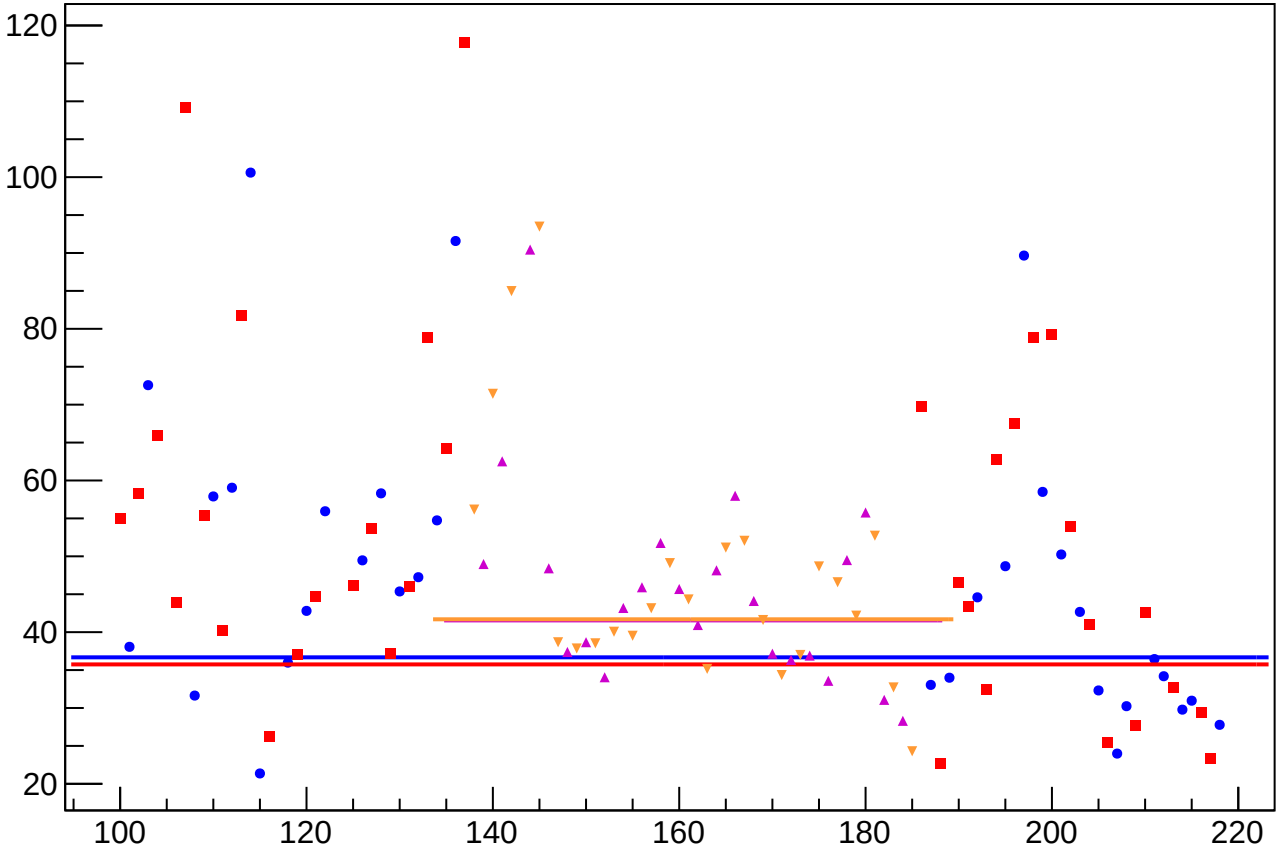
Left In: 0.009+/-0.010 χ^2/NDF:21.9/22

+ sign -0.004+/-0.007 χ^2/NDF: 64.7/55

All: 0.000+/-0.005 χ^2/NDF: 136.6/113

- sign 0.005+/-0.007 χ^2/NDF: 71.2/57

asym_usl_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 36.680+/-0.007 χ^2/NDF: 3452390.6/31

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

Right Out: 35.747+/-0.007 χ^2/NDF: 5031716.8/34

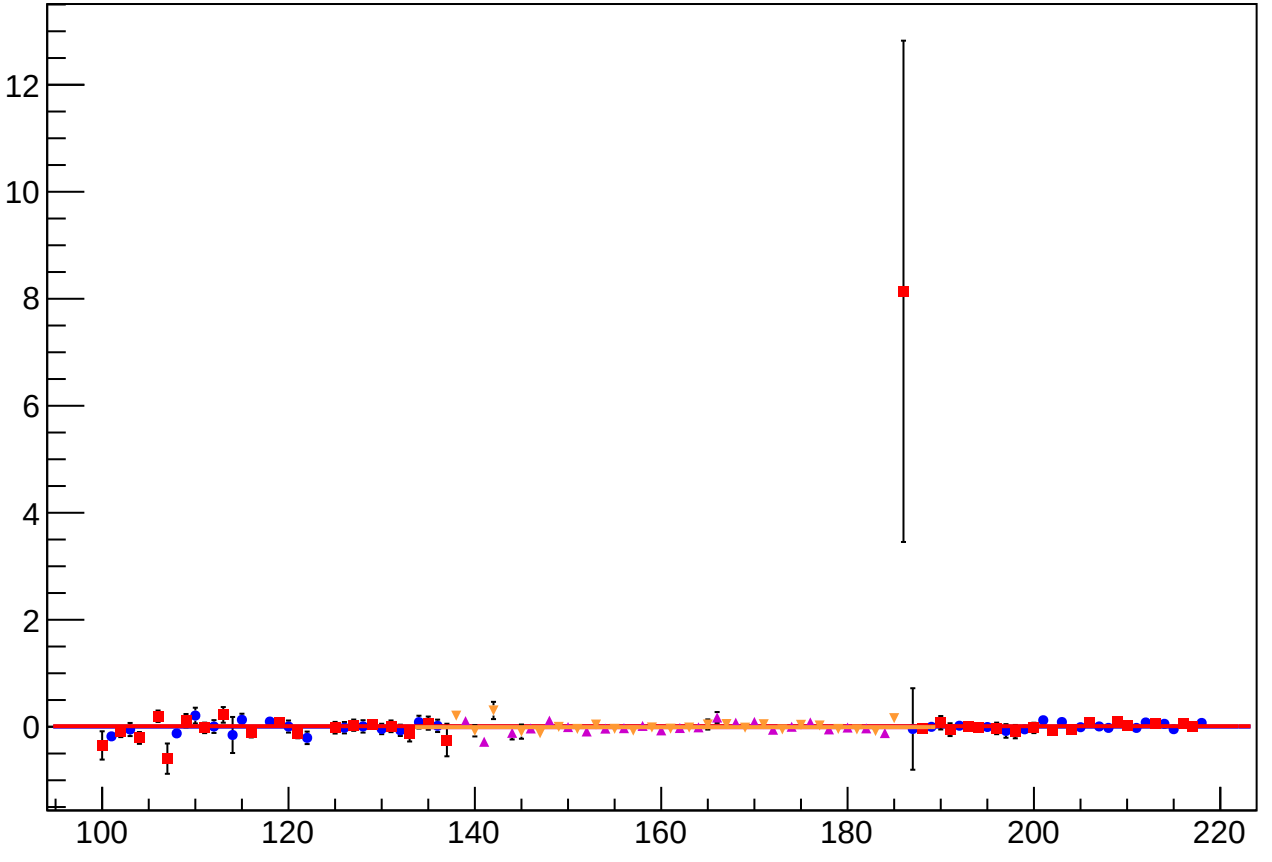
Left In: 41.550+/-0.007 χ^2/NDF:1612979.7/22

+ sign 38.912+/-0.005 χ^2/NDF: 5527645.9/55

All: 38.613+/-0.003 χ^2/NDF: 12521449.4/113

- sign 38.316+/-0.005 χ^2/NDF: 6986524.2/57

asym_usl_dit_vs_overload_cor_diff_mean vs Slug



Right In: 0.002+/-0.014 χ^2/NDF: 29.8/31

Left Out: -0.007+/-0.015 χ^2/NDF:23.7/23

Right Out: 0.011+/-0.014 χ^2/NDF: 38.1/34

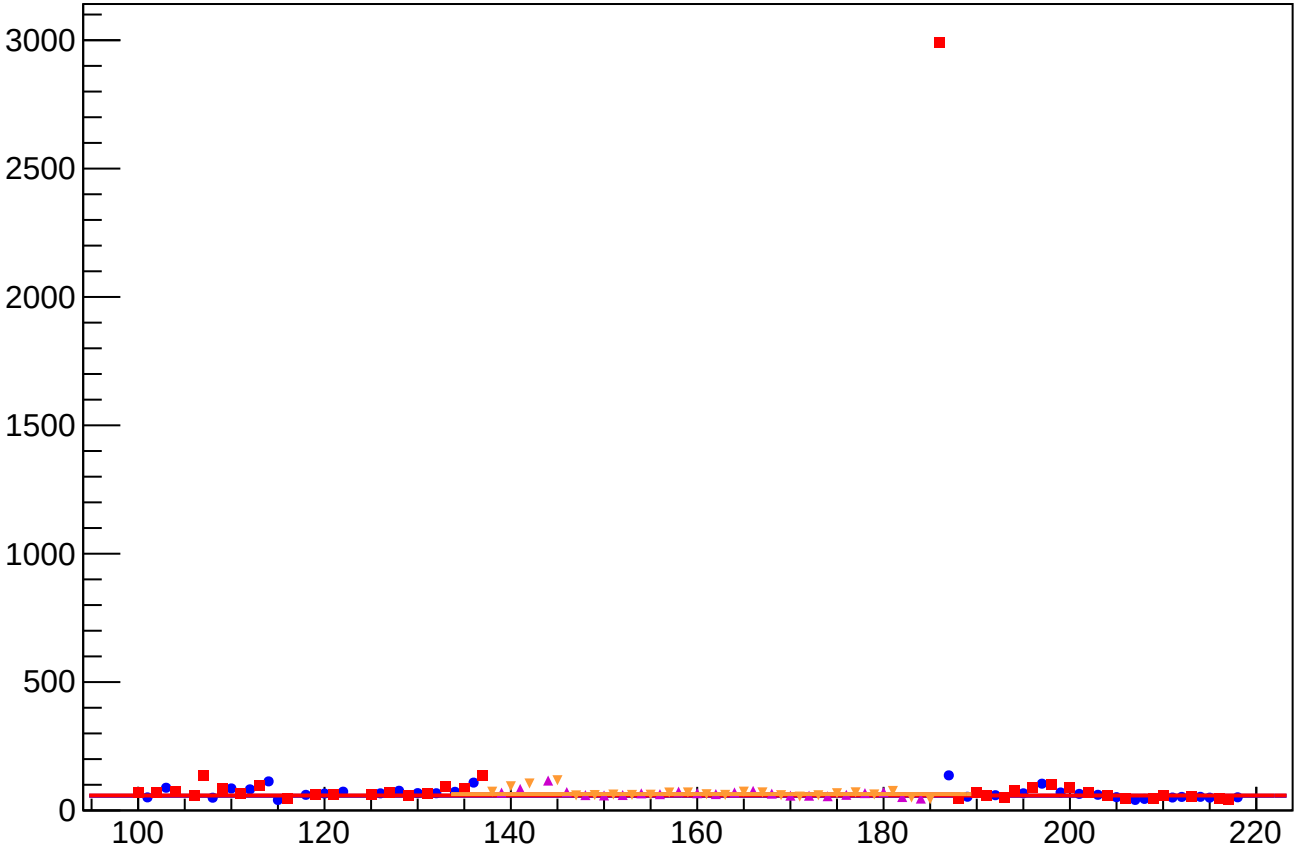
Left In: -0.008+/-0.015 χ^2/NDF:28.1/22

+ sign -0.002+/-0.010 χ^2/NDF: 53.7/55

All: 0.000+/-0.007 χ^2/NDF: 120.8/113

- sign 0.003+/-0.010 χ^2/NDF: 67.0/57

asym_usl_dit_vs_overload_cor_diff_rms vs Slug



Right In: 57.071+/-0.010 χ^2/NDF: 1928161.8/31

Left Out: 63.779+/-0.011 χ^2/NDF:1078823.1/23

Right Out: 58.347+/-0.010 χ^2/NDF: 3093401.2/34

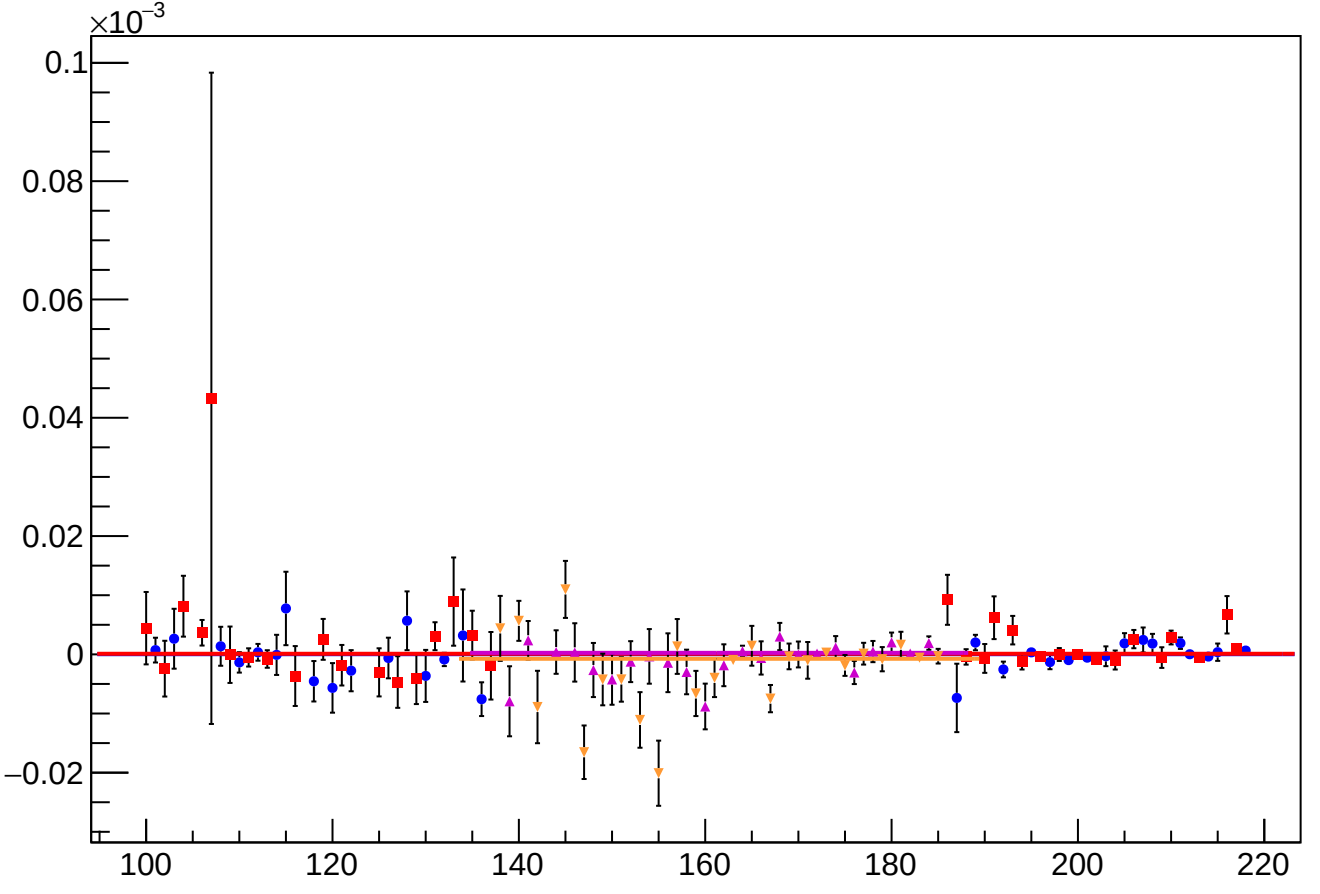
Left In: 64.036+/-0.011 χ^2/NDF:838789.3/22

+ sign 60.036+/-0.007 χ^2/NDF: 3218475.5/55

All: 60.470+/-0.005 χ^2/NDF: 7305779.5/113

- sign 60.918+/-0.007 χ^2/NDF: 4080014.5/57

asym_usl_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 42.4/31

Left Out: -0.000+/-0.000 χ^2/NDF:60.0/23

Right Out: 0.000+/-0.000 χ^2/NDF: 51.5/34

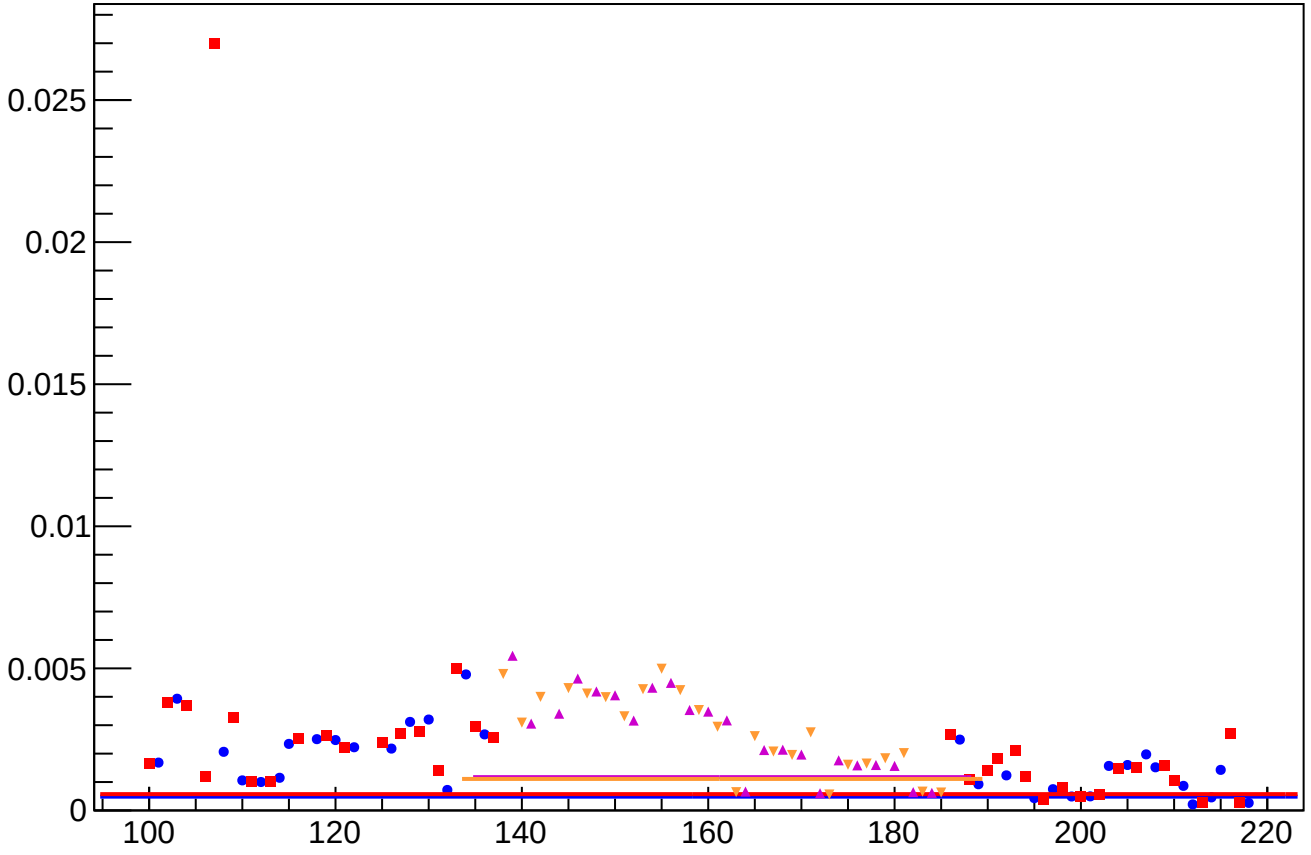
Left In: 0.000+/-0.000 χ^2/NDF:18.8/22

+ sign -0.000+/-0.000 χ^2/NDF: 106.6/55

All: -0.000+/-0.000 χ^2/NDF: 178.3/113

- sign 0.000+/-0.000 χ^2/NDF: 70.5/57

asym_usl_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 16693617.9/31

Left Out: 0.001+/-0.000 χ^2/NDF:15160045.8/23

Right Out: 0.001+/-0.000 χ^2/NDF: 16854202.9/34

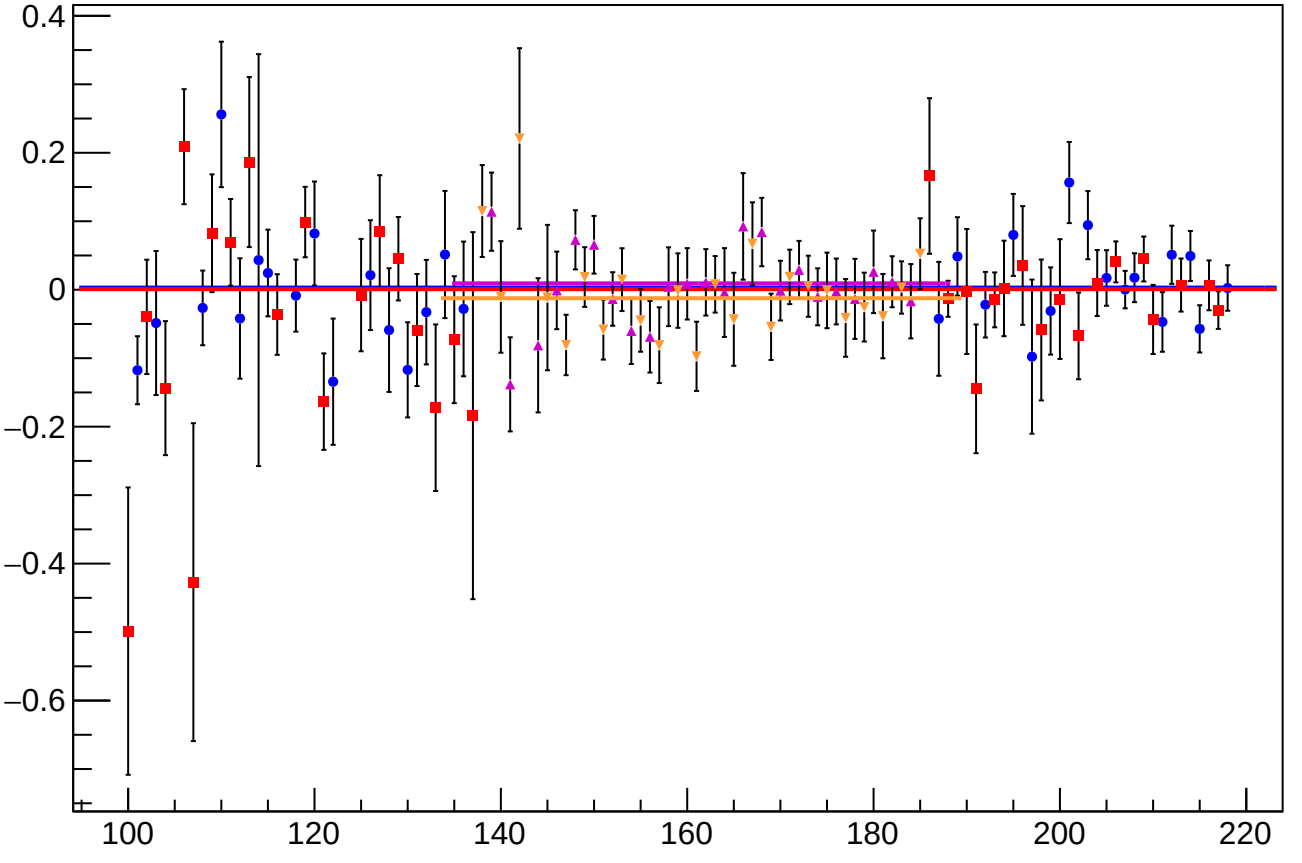
Left In: 0.001+/-0.000 χ^2/NDF:14252589.1/22

+ sign 0.001+/-0.000 χ^2/NDF: 37395066.9/55

All: 0.001+/-0.000 χ^2/NDF: 73416201.0/113

- sign 0.001+/-0.000 χ^2/NDF: 35516652.9/57

asym_usl_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.003+/-0.009 χ^2/NDF: 41.5/31

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

Right Out: 0.001+/-0.009 χ^2/NDF: 48.9/34

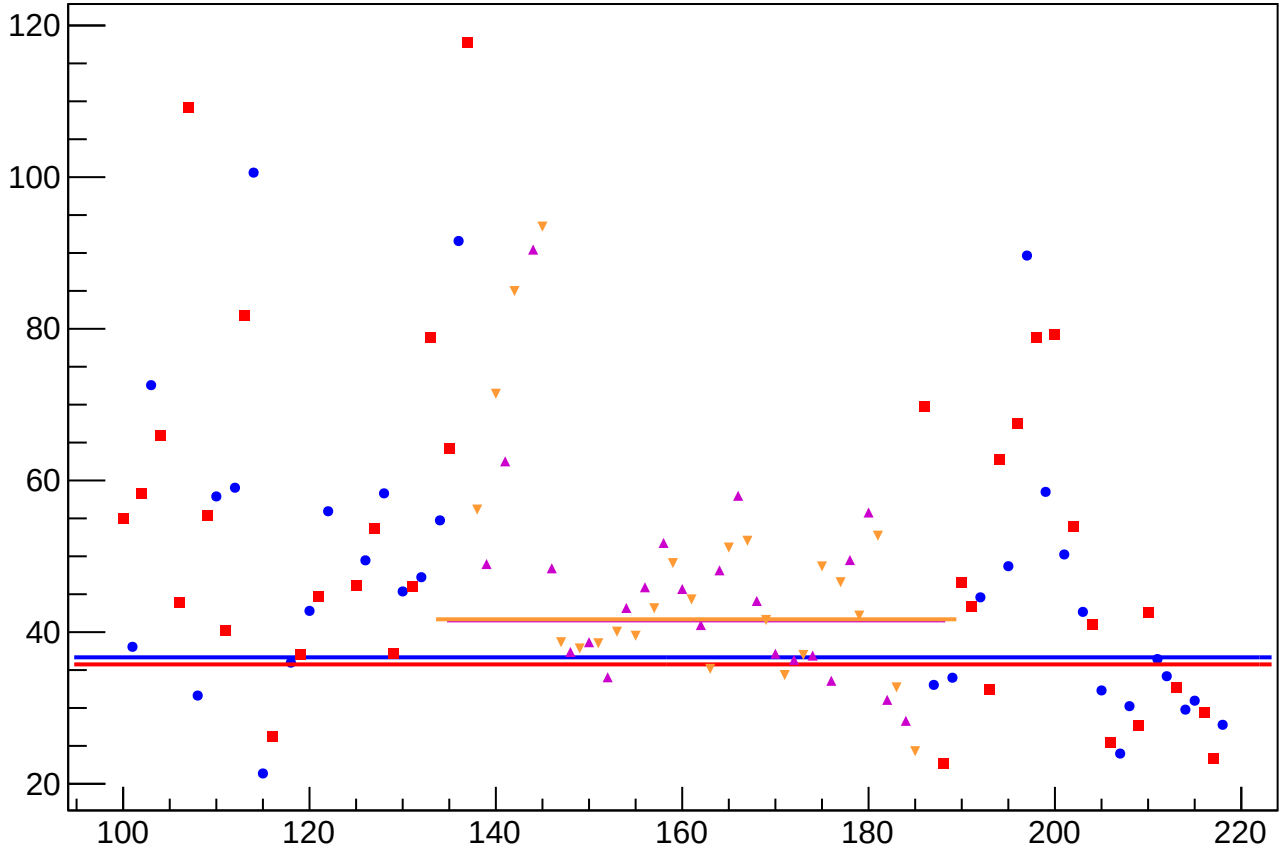
Left In: 0.009+/-0.010 χ^2/NDF:21.9/22

+ sign -0.004+/-0.007 χ^2/NDF: 64.7/55

All: 0.000+/-0.005 χ^2/NDF: 136.6/113

- sign 0.005+/-0.007 χ^2/NDF: 71.2/57

asym_usl_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 36.680+/-0.007 χ^2/NDF: 3452367.3/31

Left Out: 41.695+/-0.007 χ^2/NDF:1821753.6/23

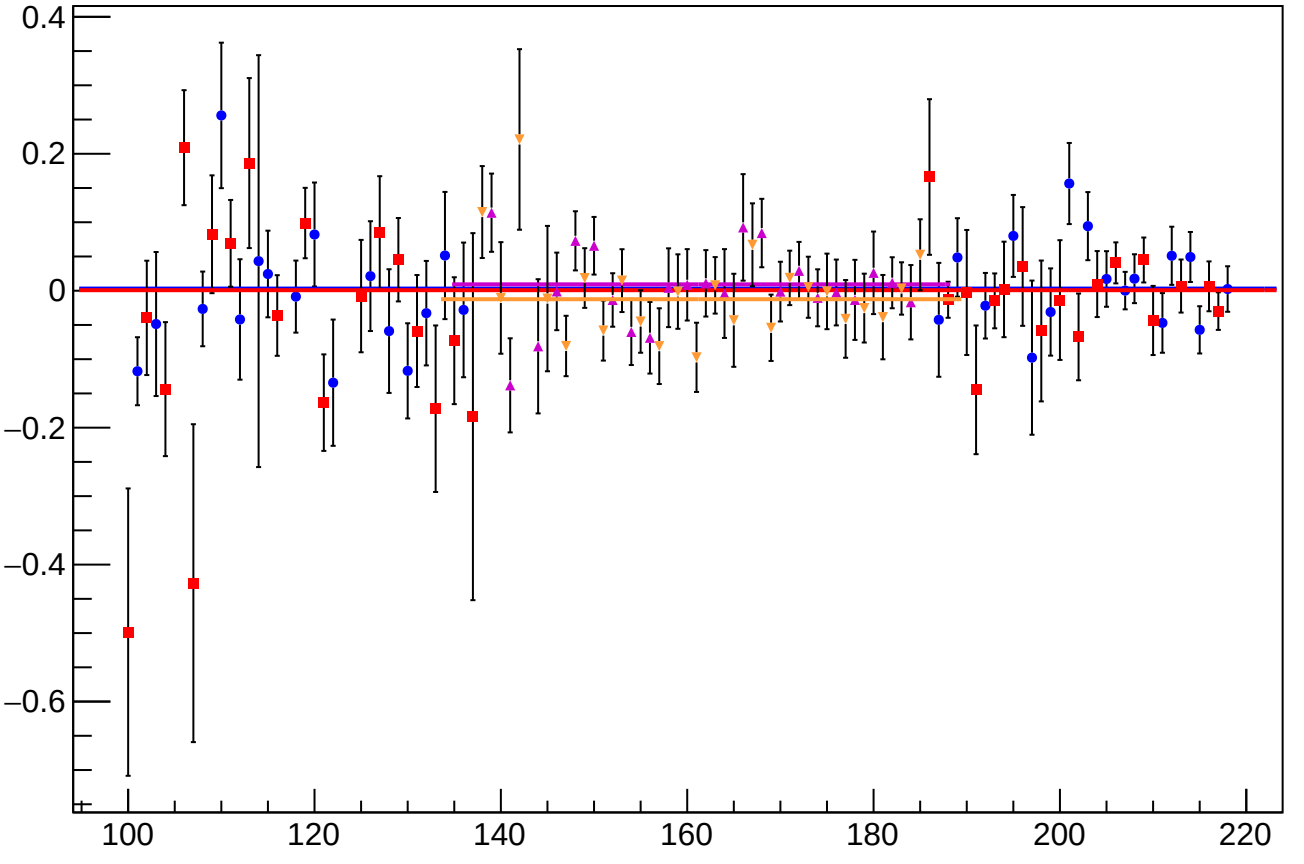
Right Out: 35.747+/-0.007 χ^2/NDF: 5031631.6/34

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

+ sign 38.912+/-0.005 χ^2/NDF: 5527615.5/55

All: 38.613+/-0.003 χ^2/NDF: 12521335.9/113

- sign 38.316+/-0.005 χ^2/NDF: 6986443.6/57



Right In: 0.003+/-0.009 χ^2/NDF: 41.5/31

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

Right Out: 0.001+/-0.009 χ^2/NDF: 48.9/34

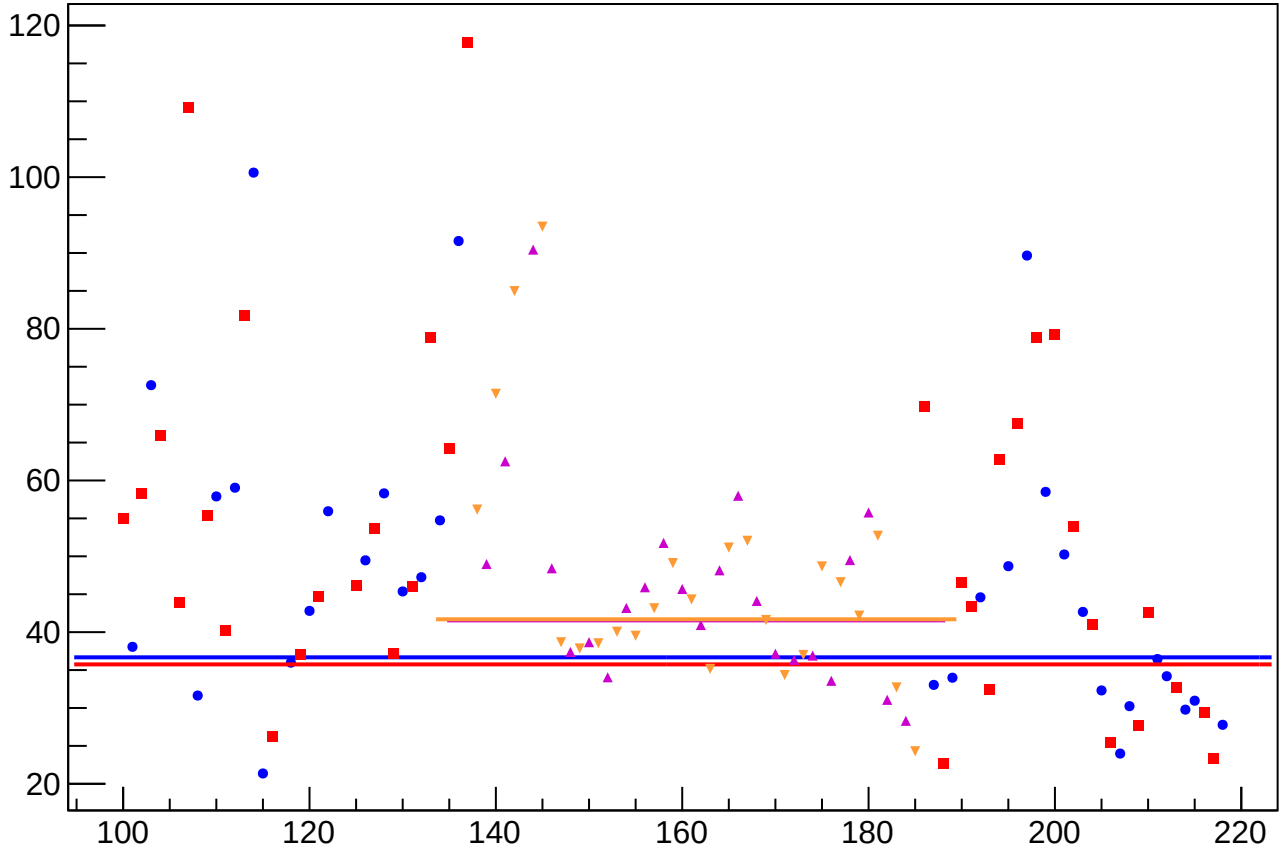
Left In: 0.009+/-0.010 χ^2/NDF:21.9/22

+ sign -0.004+/-0.007 χ^2/NDF: 64.7/55

All: 0.000+/-0.005 χ^2/NDF: 136.6/113

- sign 0.005+/-0.007 χ^2/NDF: 71.2/57

asym_usl_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 36.680+/-0.007 χ^2/NDF: 3452367.3/31

Left Out: 41.695+/-0.007 χ^2/NDF:1821753.6/23

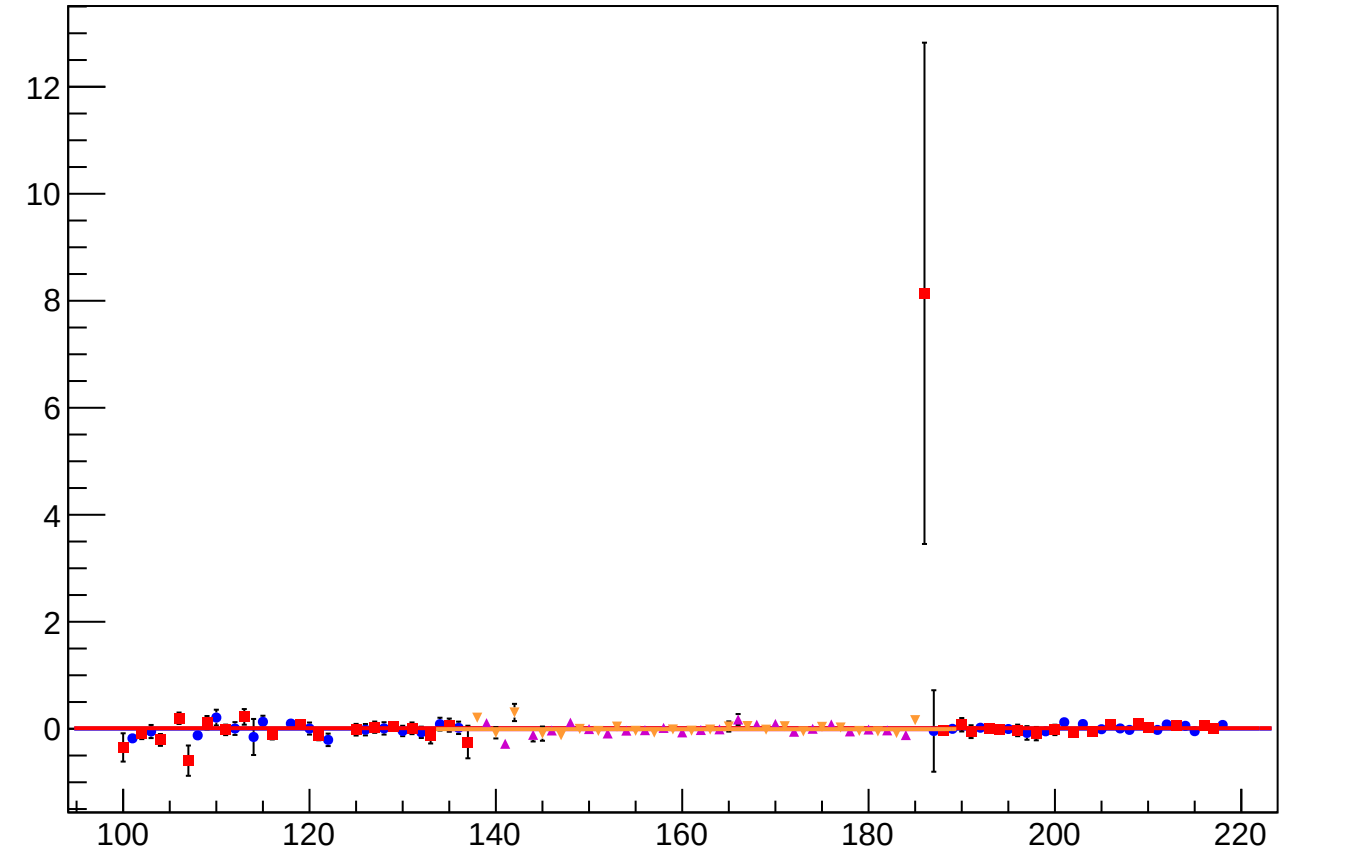
Right Out: 35.747+/-0.007 χ^2/NDF: 5031631.6/34

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

+ sign 38.912+/-0.005 χ^2/NDF: 5527615.5/55

All: 38.613+/-0.003 χ^2/NDF: 12521335.9/113

- sign 38.316+/-0.005 χ^2/NDF: 6986443.6/57



Right In: 0.002+/-0.014 χ^2/NDF: 29.8/31

Left Out: -0.007+/-0.015 χ^2/NDF:23.7/23

Right Out: 0.011+/-0.014 χ^2/NDF: 38.1/34

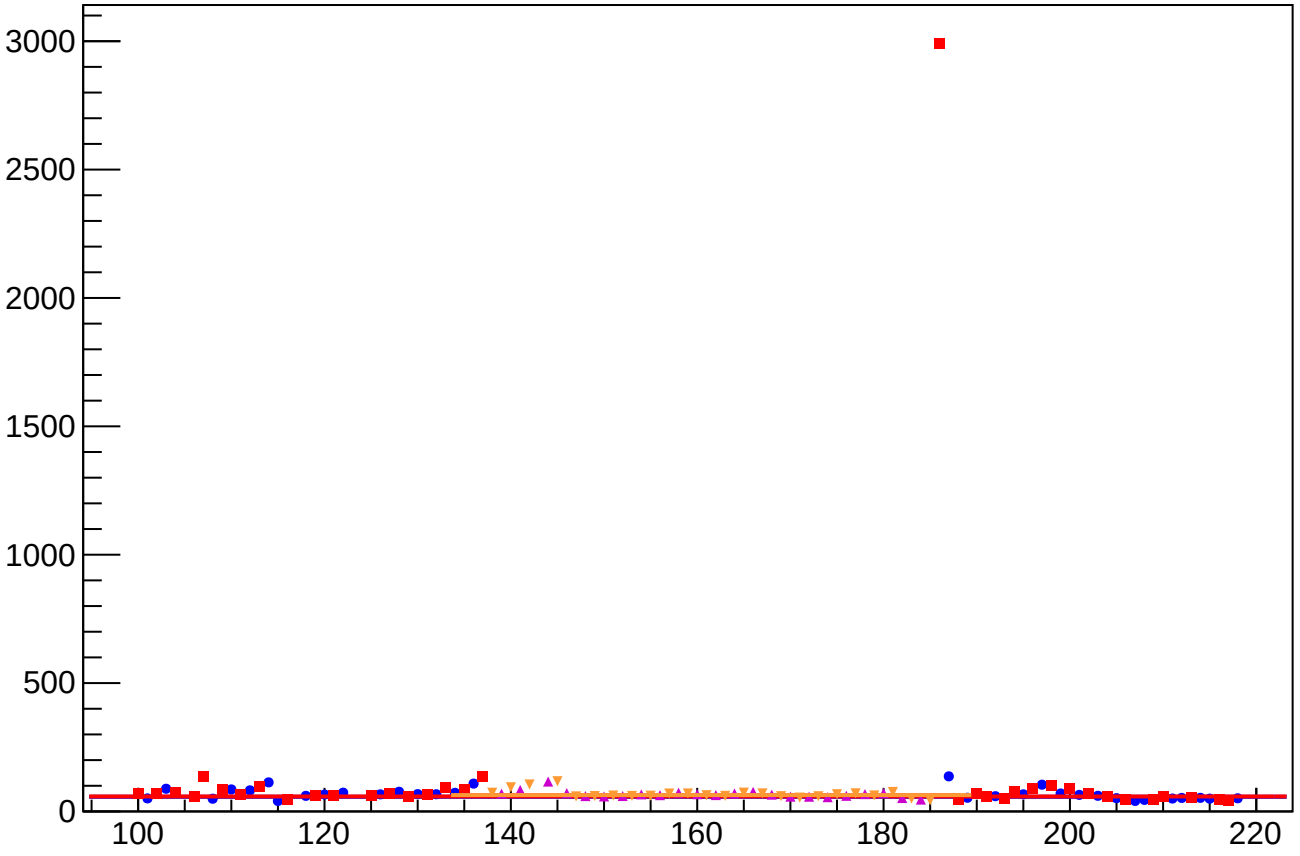
Left In: -0.008+/-0.015 χ^2/NDF:28.1/22

+ sign -0.002+/-0.010 χ^2/NDF: 53.7/55

All: 0.000+/-0.007 χ^2/NDF: 120.8/113

- sign 0.003+/-0.010 χ^2/NDF: 67.0/57

asym_usl_eigen_dit_vs_overload_cor_diff_rms vs Slug



Right In: 57.071+/-0.010 χ^2/NDF: 1928154.4/31

Left Out: 63.779+/-0.011 χ^2/NDF:1078810.5/23

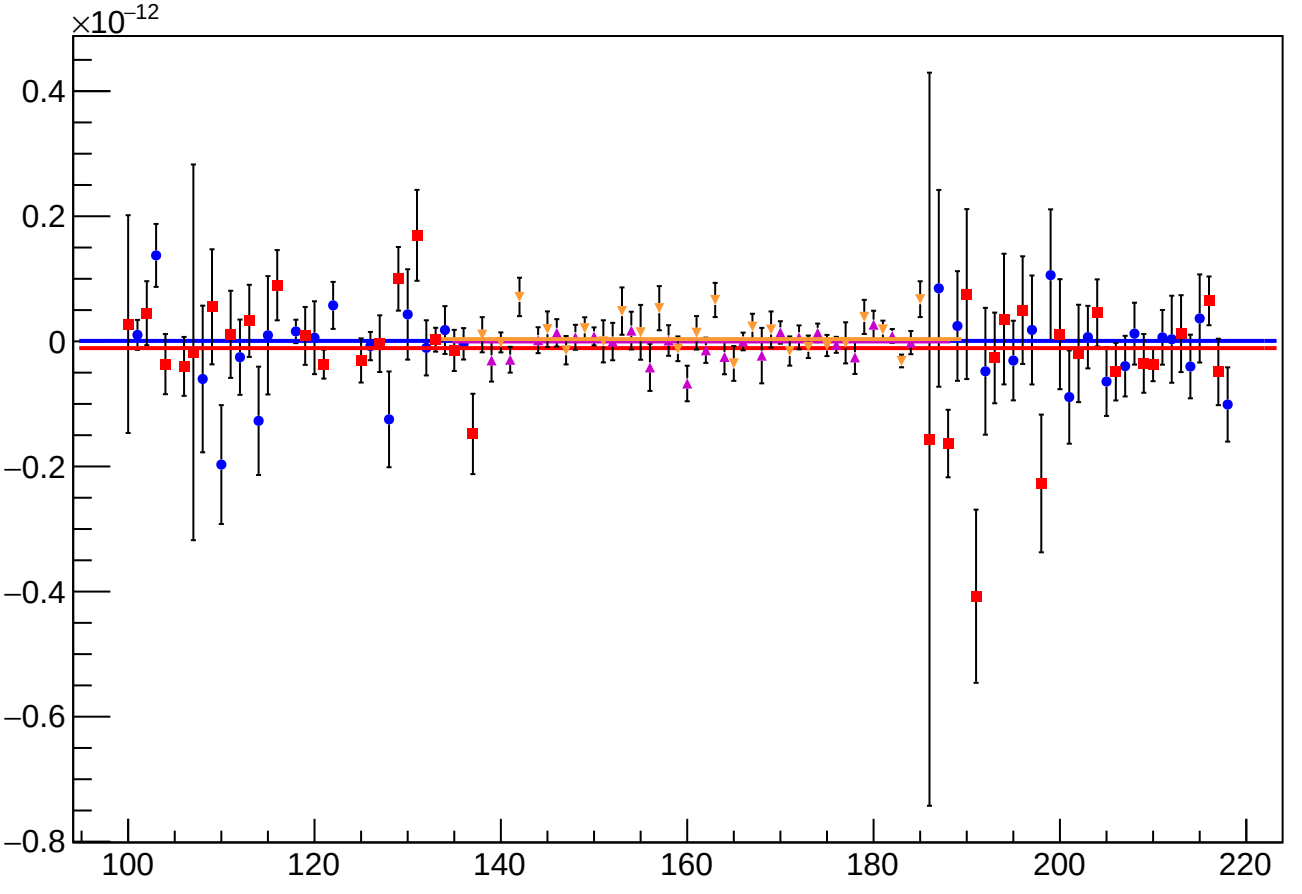
Right Out: 58.346+/-0.010 χ^2/NDF: 3093383.7/34

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

+ sign 60.036+/-0.007 χ^2/NDF: 3218469.5/55

All: 60.470+/-0.005 χ^2/NDF: 7305771.0/113

- sign 60.918+/-0.007 χ^2/NDF: 4080012.7/57



Right In: 0.000+/-0.000 χ^2/NDF: 30.3/31

Left Out: 0.000+/-0.000 χ^2/NDF:40.6/23

Right Out: -0.000+/-0.000 χ^2/NDF: 52.9/34

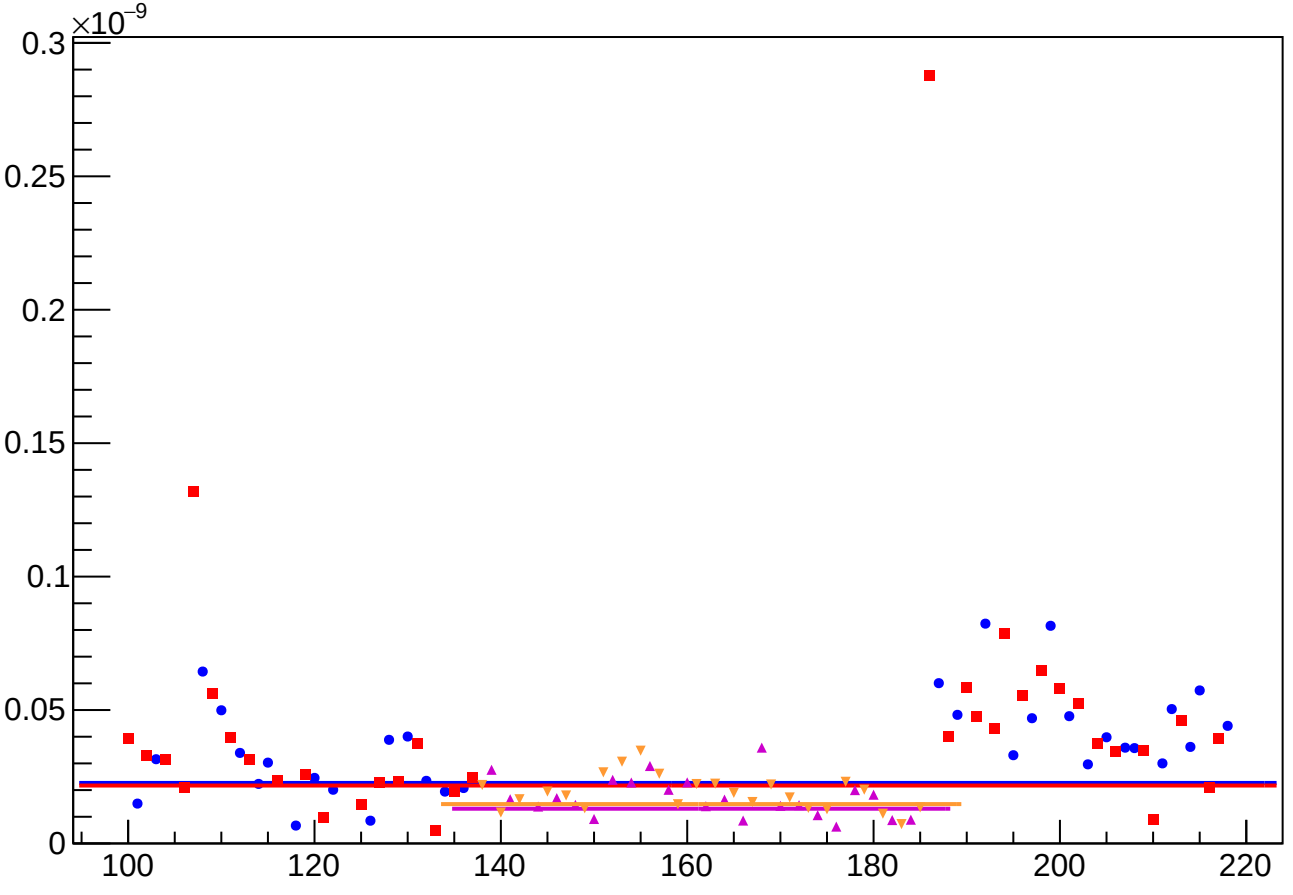
Left In: -0.000+/-0.000 χ^2/NDF:17.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 70.9/55

All: 0.000+/-0.000 χ^2/NDF: 143.3/113

- sign -0.000+/-0.000 χ^2/NDF: 71.4/57

asym_usl_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 7072473.0/31

Left Out: 0.000+/-0.000 χ^2/NDF:3531388.4/23

Right Out: 0.000+/-0.000 χ^2/NDF: 7624415.3/34

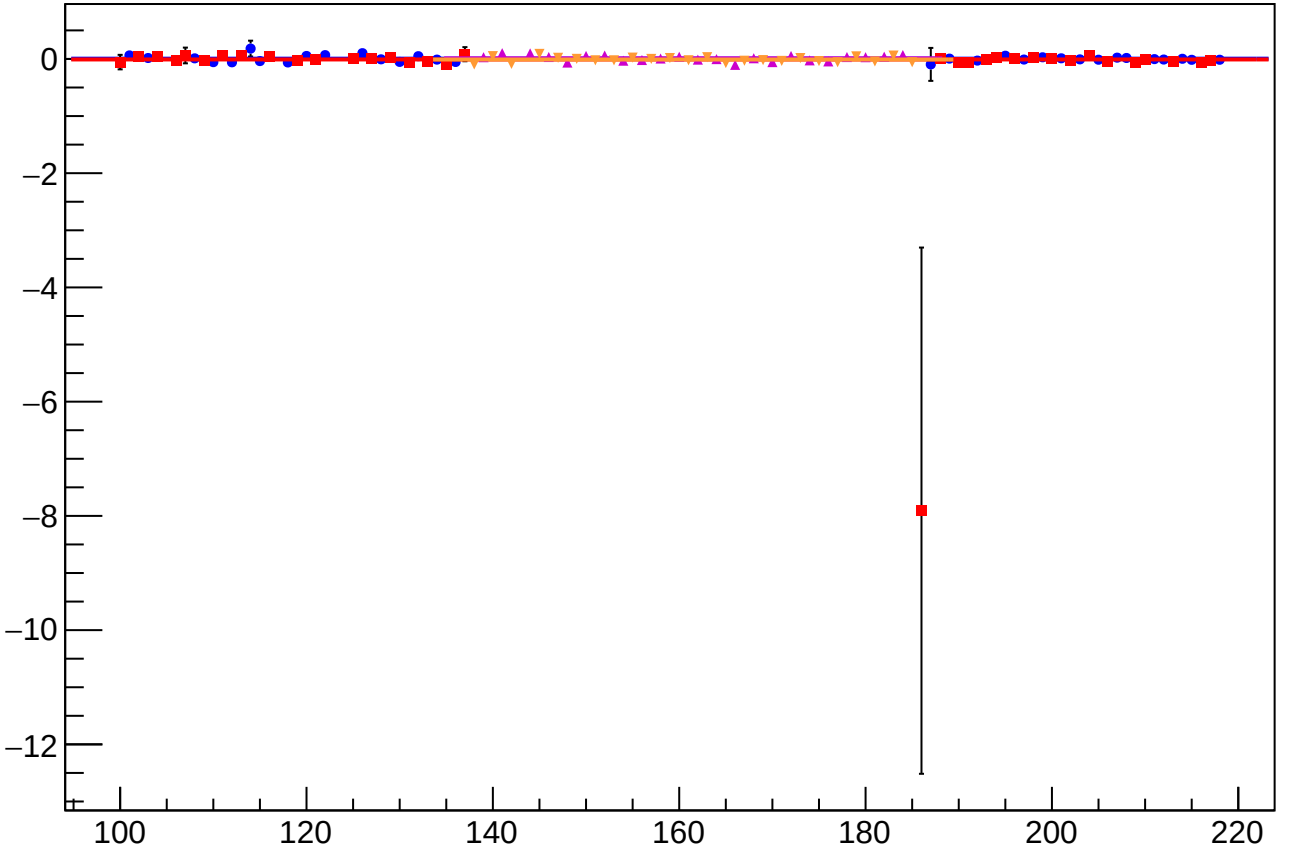
Left In: 0.000+/-0.000 χ^2/NDF:3925910.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 12136056.1/55

All: 0.000+/-0.000 χ^2/NDF: 25804638.5/113

- sign 0.000+/-0.000 χ^2/NDF: 13430410.2/57

asym_usl_overload_cor_vs_cor_diff_mean vs Slug



Right In: 0.005+/-0.007 χ^2/NDF: 20.7/31

Left Out: -0.010+/-0.009 χ^2/NDF:19.4/23

Right Out: -0.009+/-0.007 χ^2/NDF: 33.1/34

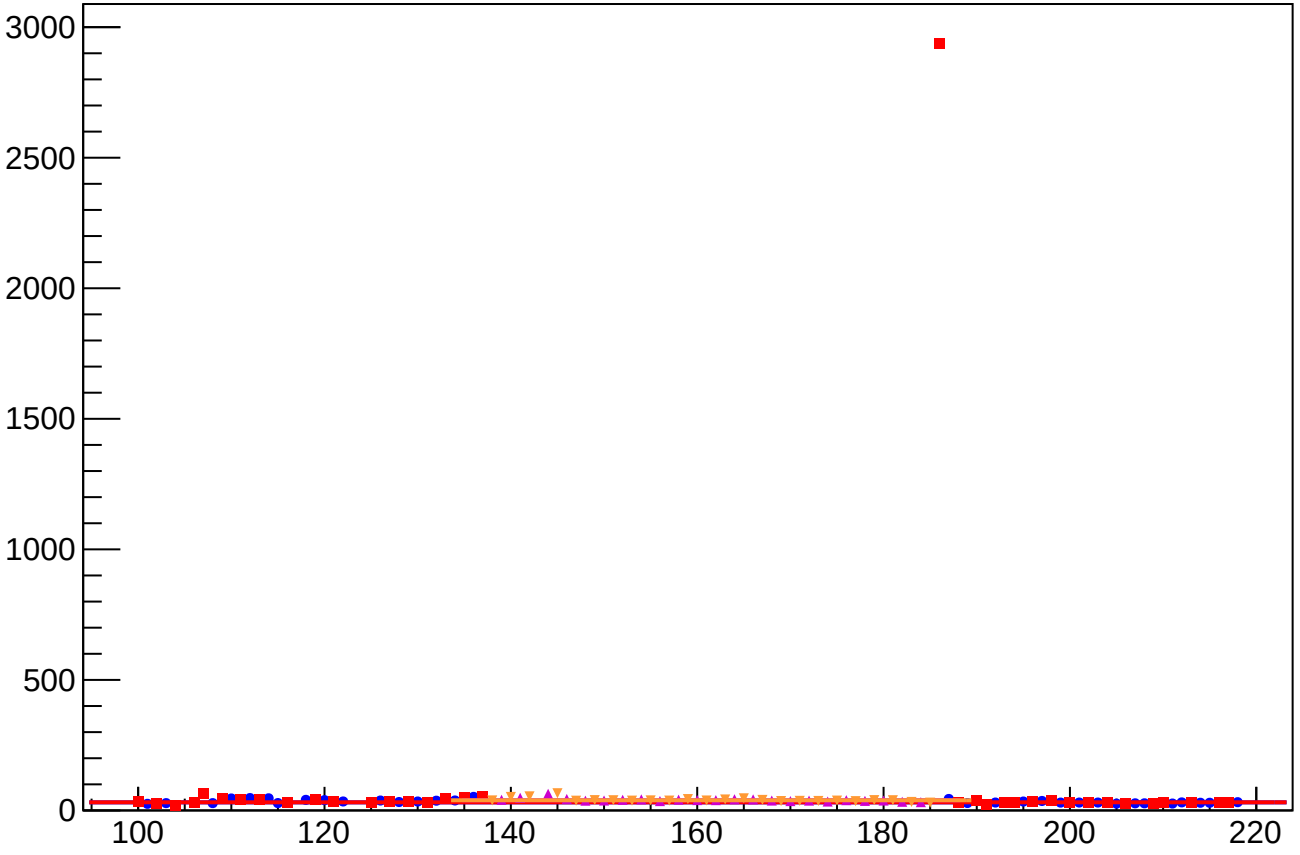
Left In: 0.011+/-0.010 χ^2/NDF:23.3/22

+ sign -0.001+/-0.006 χ^2/NDF: 41.7/55

All: -0.001+/-0.004 χ^2/NDF: 100.8/113

- sign -0.001+/-0.006 χ^2/NDF: 59.2/57

asym_usl_overload_cor_vs_cor_diff_rms vs Slug



Right In: 30.948+/-0.005 χ^2/NDF: 972518.8/31

Left Out: 38.972+/-0.007 χ^2/NDF:624525.1/23

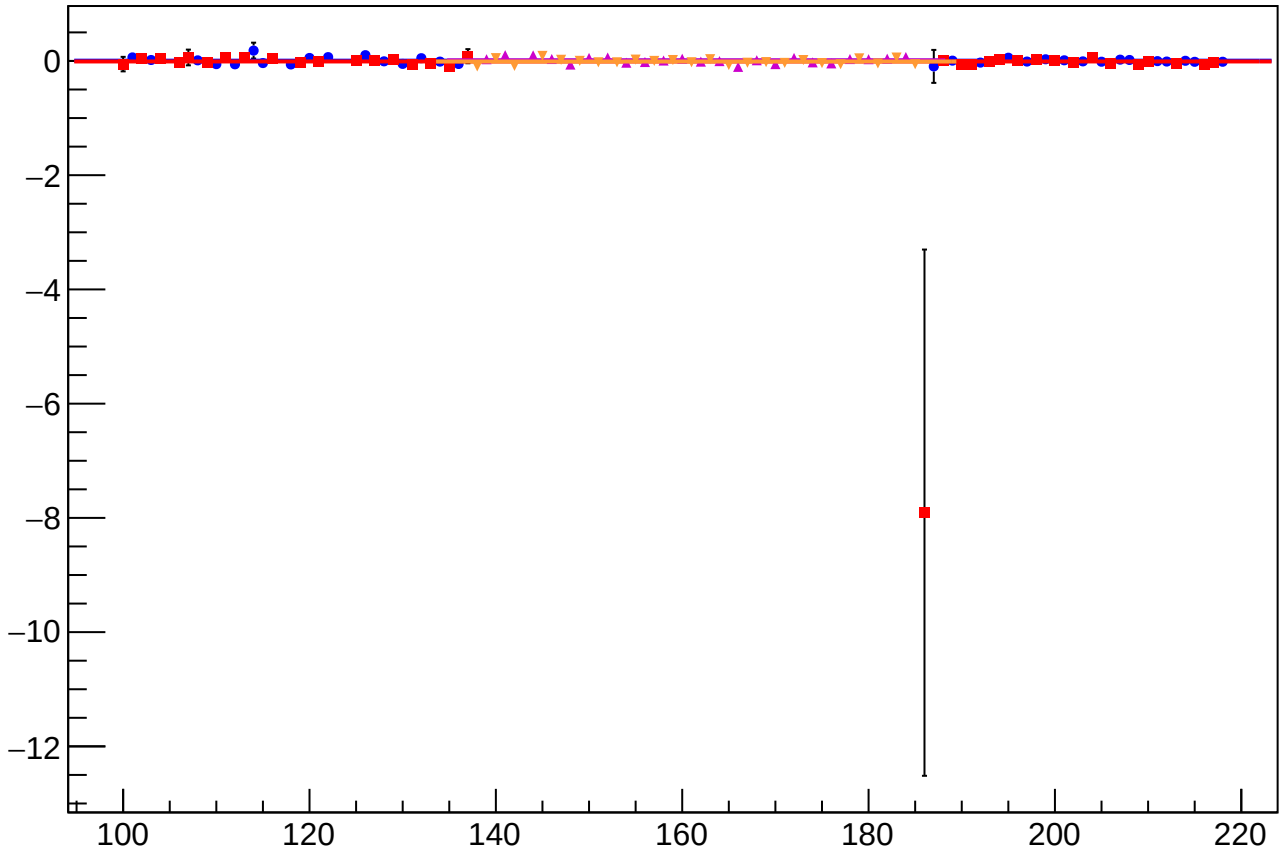
Right Out: 31.201+/-0.005 χ^2/NDF: 2005150.7/34

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

+ sign 33.958+/-0.004 χ^2/NDF: 2495417.4/55

All: 34.071+/-0.003 χ^2/NDF: 5895742.2/113

- sign 34.185+/-0.004 χ^2/NDF: 3398810.6/57



Right In: 0.005+/-0.007 χ^2/NDF: 20.7/31

Left Out: -0.010+/-0.009 χ^2/NDF:19.4/23

Right Out: -0.009+/-0.007 χ^2/NDF: 33.1/34

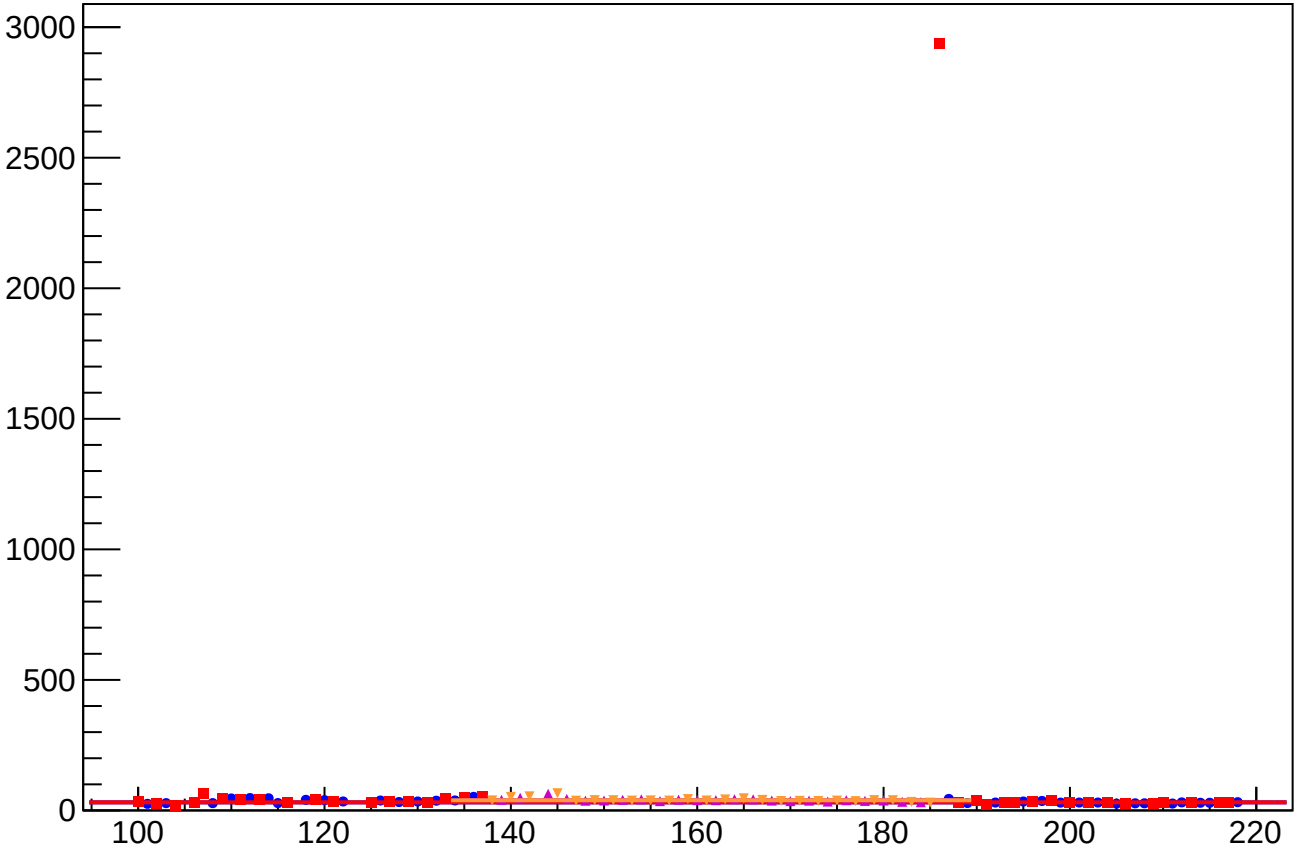
Left In: 0.011+/-0.010 χ^2/NDF:23.3/22

+ sign -0.001+/-0.006 χ^2/NDF: 41.7/55

All: -0.001+/-0.004 χ^2/NDF: 100.8/113

- sign -0.001+/-0.006 χ^2/NDF: 59.2/57

asym_usl_overload_cor_vs_eigen_cor_diff_rms vs Slug



Right In: 30.948+/-0.005 χ^2/NDF: 972518.8/31

Left Out: 38.972+/-0.007 χ^2/NDF:624525.1/23

Right Out: 31.201+/-0.005 χ^2/NDF: 2005150.7/34

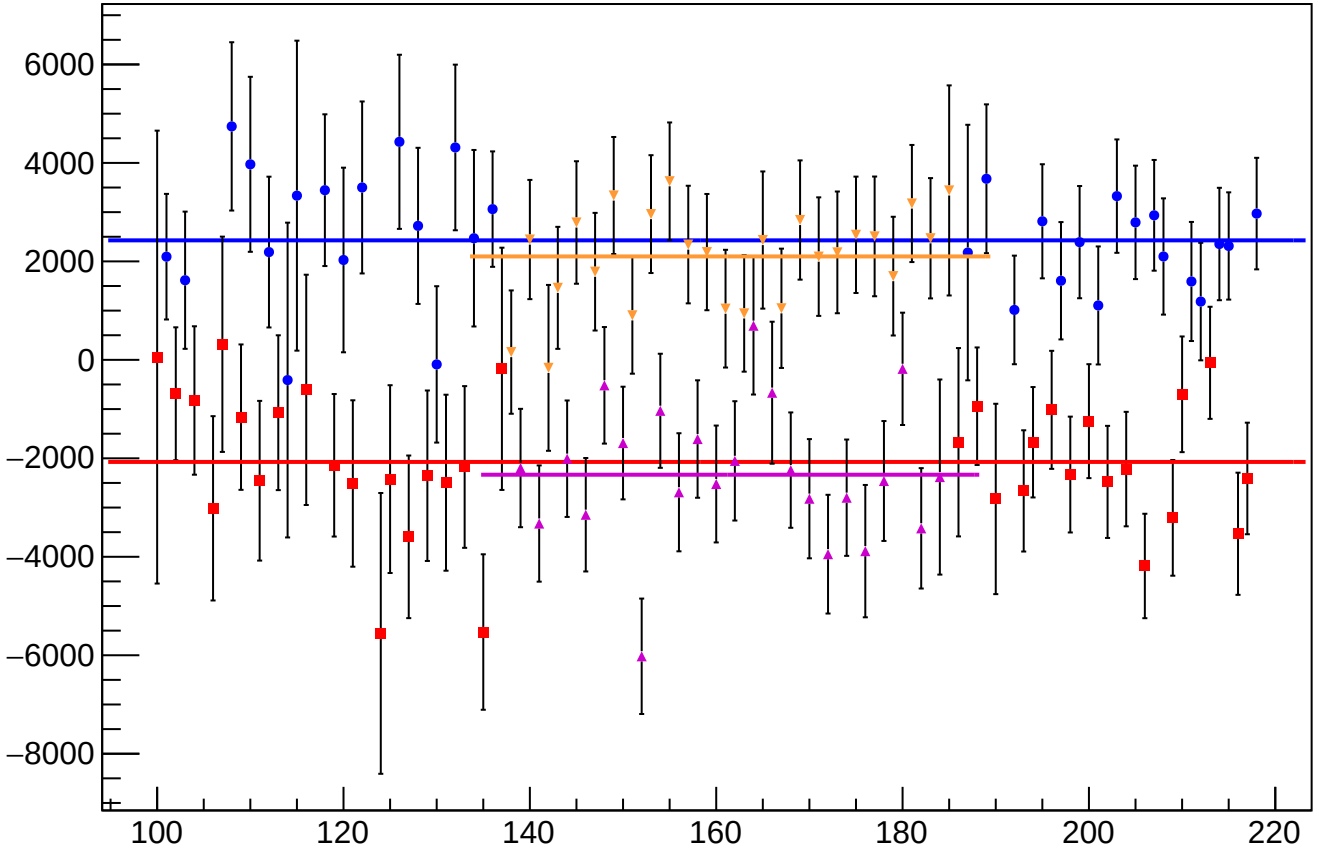
Left In: 39.179+/-0.007 χ^2/NDF:521827.1/22

+ sign 33.958+/-0.004 χ^2/NDF: 2495417.4/55

All: 34.071+/-0.003 χ^2/NDF: 5895742.2/113

- sign 34.185+/-0.004 χ^2/NDF: 3398810.6/57

reg_asym_usr_mean vs Slug



Right In: 2427.042+/-242.057 χ^2/NDF: 17.1/31

Left Out: 2100.398+/-248.306 χ^2/NDF:13.8/24

Right Out: -2073.302+/-242.209 χ^2/NDF: 26.3/34

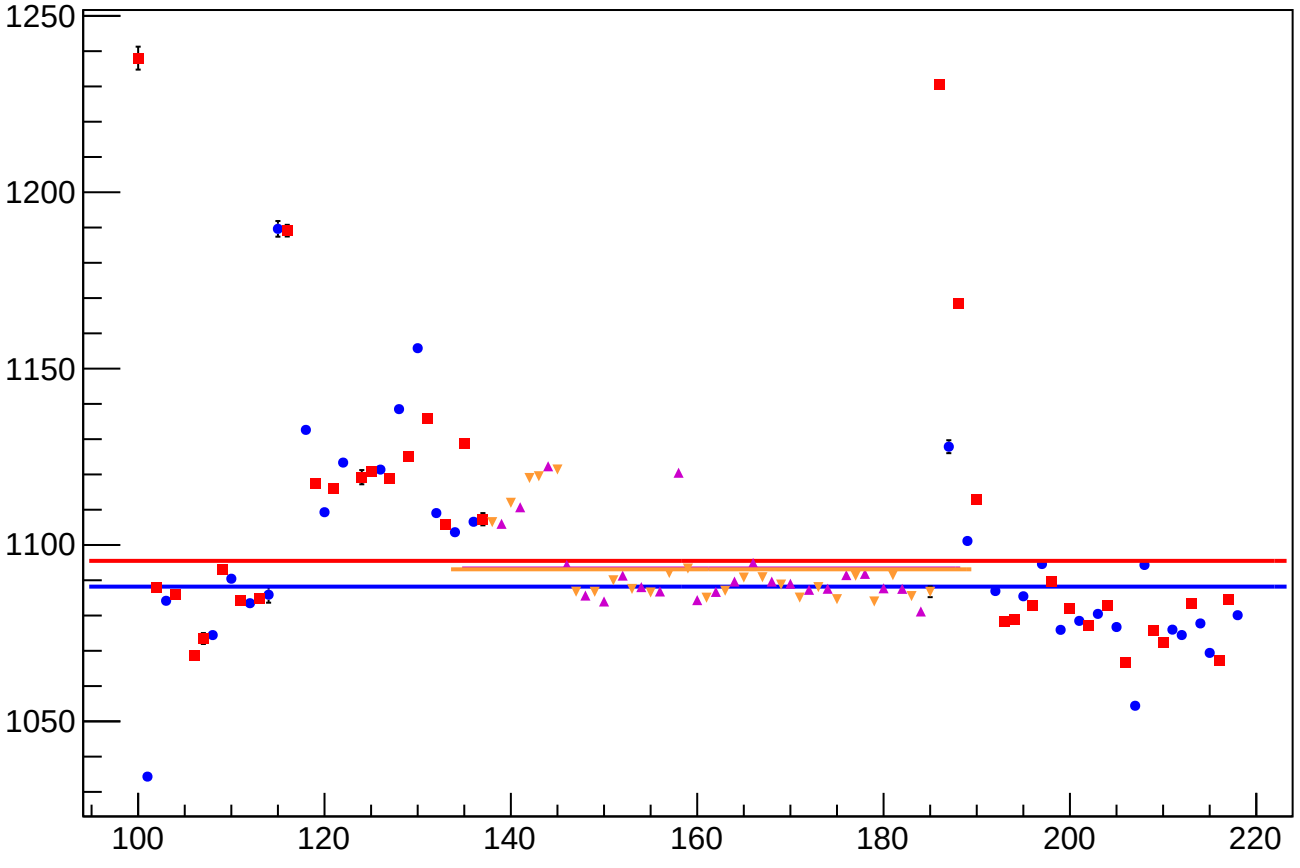
Left In: -2332.954+/-255.284 χ^2/NDF:29.5/22

+ sign 2267.882+/-173.327 χ^2/NDF: 31.8/56

All: 66.237+/-123.394 χ^2/NDF: 415.3/114

- sign -2196.308+/-175.708 χ^2/NDF: 56.4/57

reg_asym_usr_rms vs Slug



Right In: 1088.194+/-0.171 χ^2/NDF: 20355.8/31

Left Out: 1093.102+/-0.176 χ^2/NDF:3983.2/24

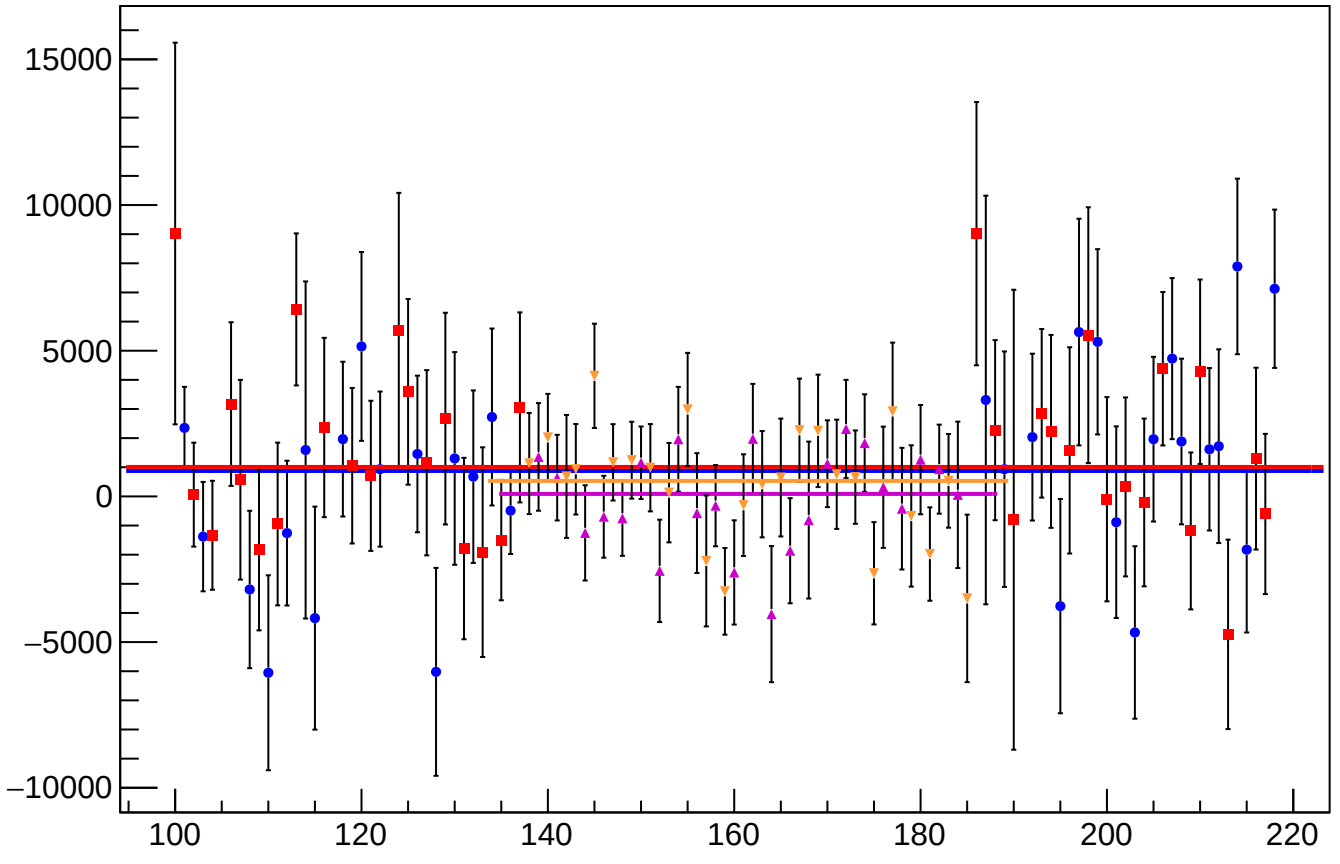
Right Out: 1095.499+/-0.171 χ^2/NDF: 34347.2/34

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

+ sign 1090.586+/-0.123 χ^2/NDF: 24739.6/56

All: 1092.504+/-0.087 χ^2/NDF: 63384.7/114

- sign 1094.475+/-0.124 χ^2/NDF: 38148.4/57



Right In: 873.353+/-485.926 χ^2/NDF: 41.6/31

Left Out: 532.982+/-347.223 χ^2/NDF:26.4/24

Right Out: 1011.510+/-500.230 χ^2/NDF: 27.4/34

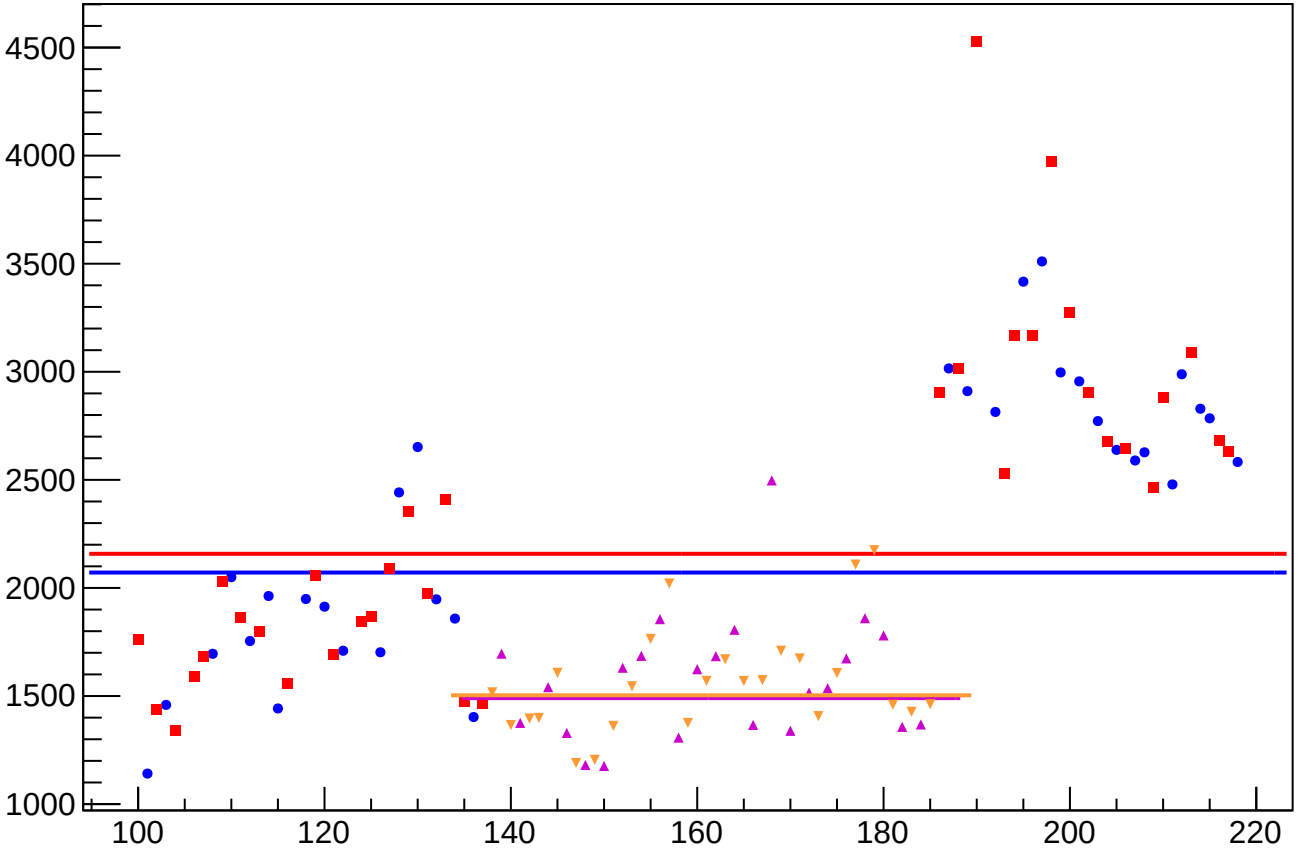
Left In: 85.329+/-353.933 χ^2/NDF:18.1/22

+ sign 648.031+/-282.510 χ^2/NDF: 68.4/56

All: 524.018+/-201.995 χ^2/NDF: 116.5/114

- sign 394.309+/-288.926 χ^2/NDF: 47.7/57

asym_usr_reg_correction_rms vs Slug



Right In: 2071.257+/-0.344 χ^2/NDF: 3752927.9/31

Left Out: 1503.437+/-0.246 χ^2/NDF:799670.9/24

Right Out: 2157.924+/-0.354 χ^2/NDF: 3381026.4/34

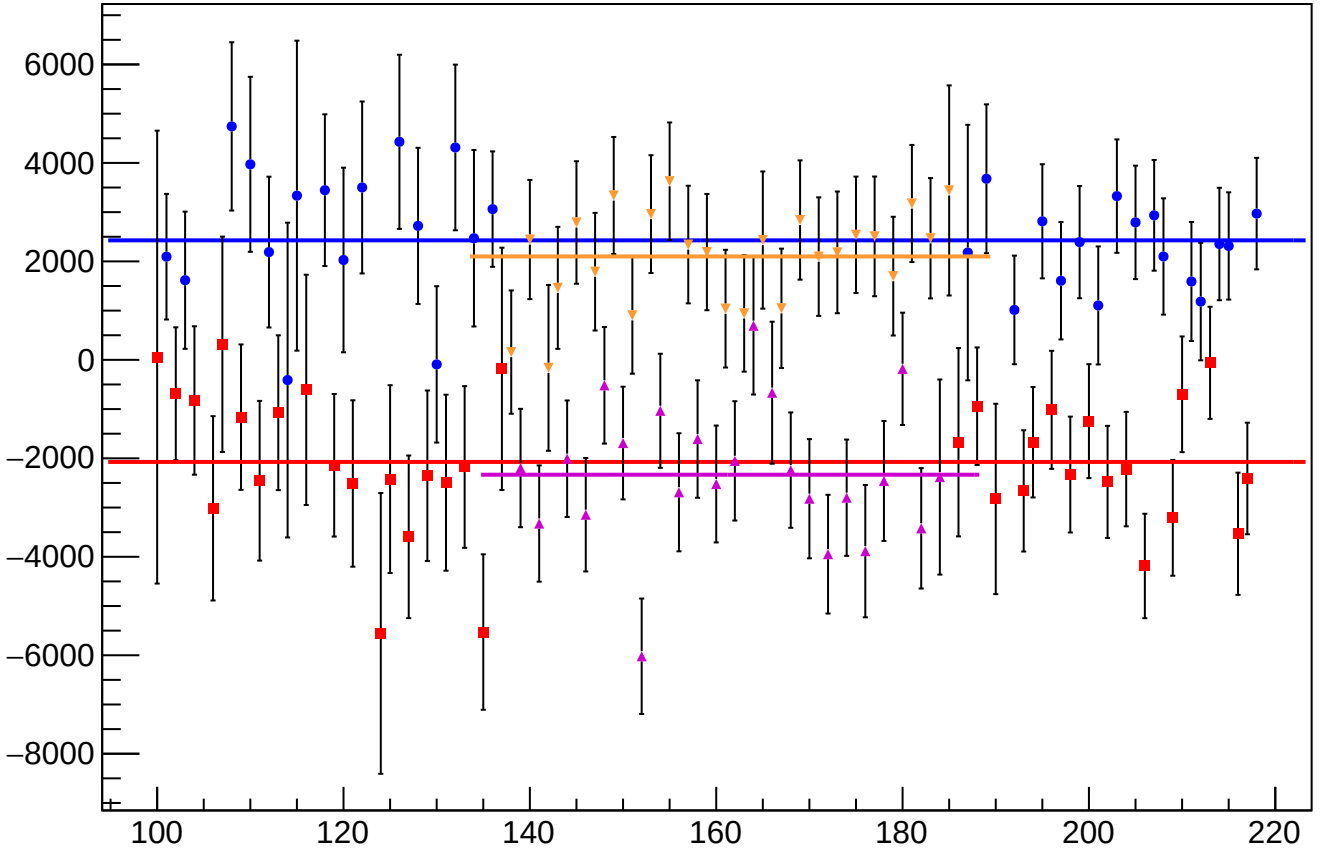
Left In: 1490.314+/-0.250 χ^2/NDF:968221.5/22

+ sign 1695.365+/-0.200 χ^2/NDF: 6360455.9/56

All: 1704.001+/-0.143 χ^2/NDF: 13087450.4/1

- sign 1713.033+/-0.204 χ^2/NDF: 6723171.2/57

cor_asym_usr_mean vs Slug



Right In: 2427.042+/-242.057 χ^2/NDF: 17.1/31

Left Out: 2100.398+/-248.306 χ^2/NDF:13.8/24

Right Out: -2073.302+/-242.209 χ^2/NDF: 26.3/34

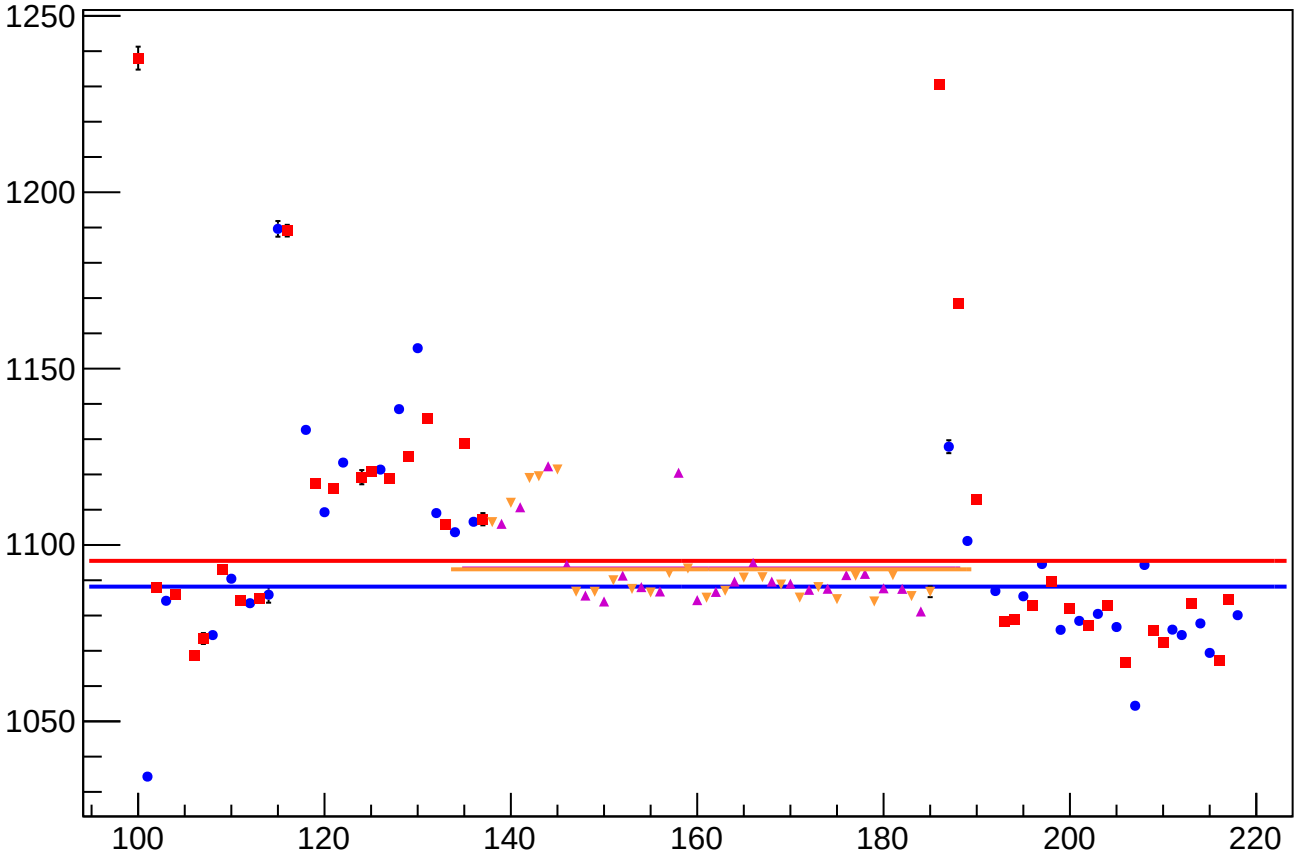
Left In: -2332.954+/-255.284 χ^2/NDF:29.5/22

+ sign 2267.882+/-173.327 χ^2/NDF: 31.8/56

All: 66.237+/-123.394 χ^2/NDF: 415.3/114

- sign -2196.308+/-175.708 χ^2/NDF: 56.4/57

cor_asym_usr_rms vs Slug



Right In: 1088.194+/-0.171 χ^2/NDF: 20355.8/31

Left Out: 1093.102+/-0.176 χ^2/NDF:3983.2/24

Right Out: 1095.499+/-0.171 χ^2/NDF: 34347.2/34

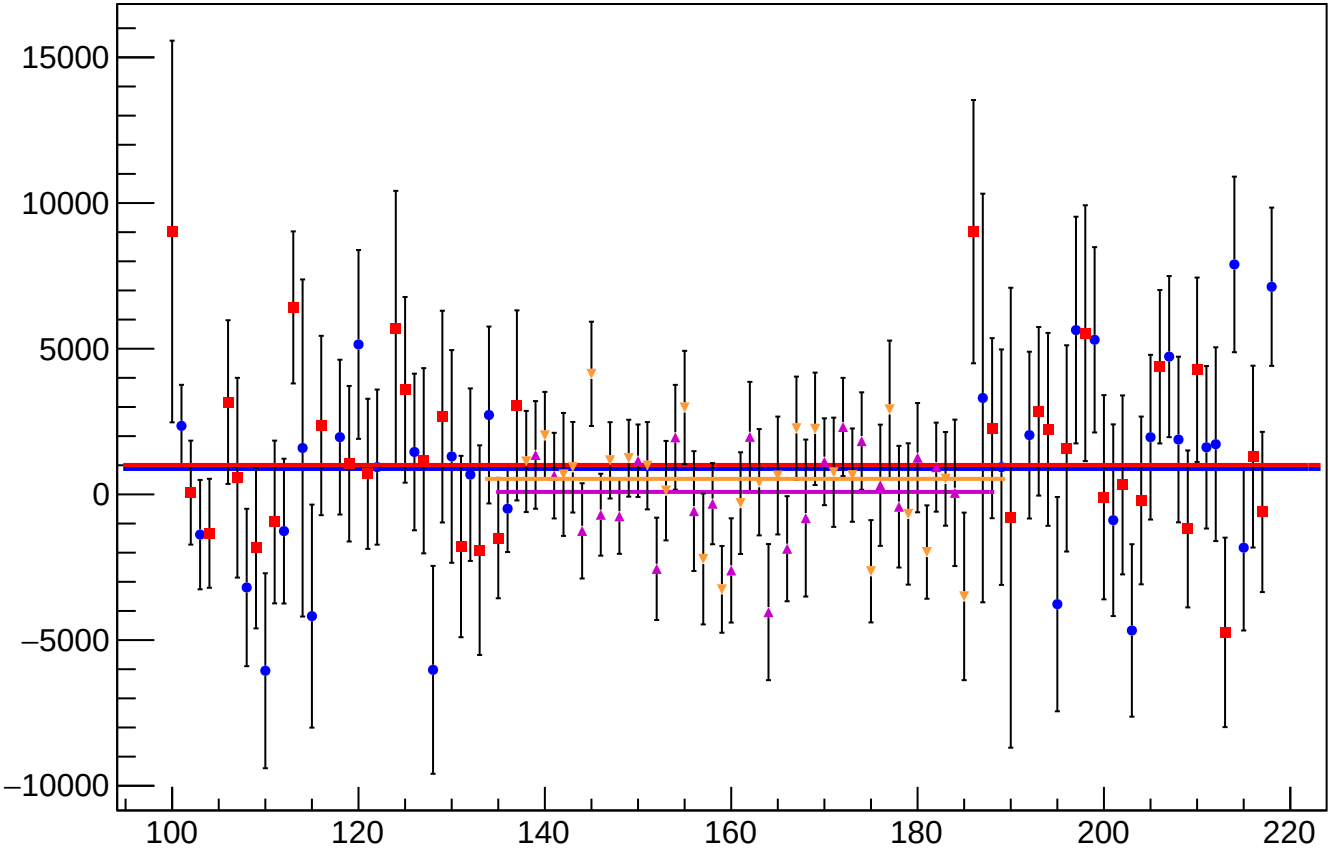
Left In: 1093.338+/-0.181 χ^2/NDF:3725.7/22

+ sign 1090.586+/-0.123 χ^2/NDF: 24739.6/56

All: 1092.504+/-0.087 χ^2/NDF: 63384.7/114

- sign 1094.475+/-0.124 χ^2/NDF: 38148.4/57

asym_usr_cor_correction_mean vs Slug



Right In: 873.353+/-485.926 χ^2/NDF: 41.6/31

Left Out: 532.982+/-347.223 χ^2/NDF:26.4/24

Right Out: 1011.510+/-500.230 χ^2/NDF: 27.4/34

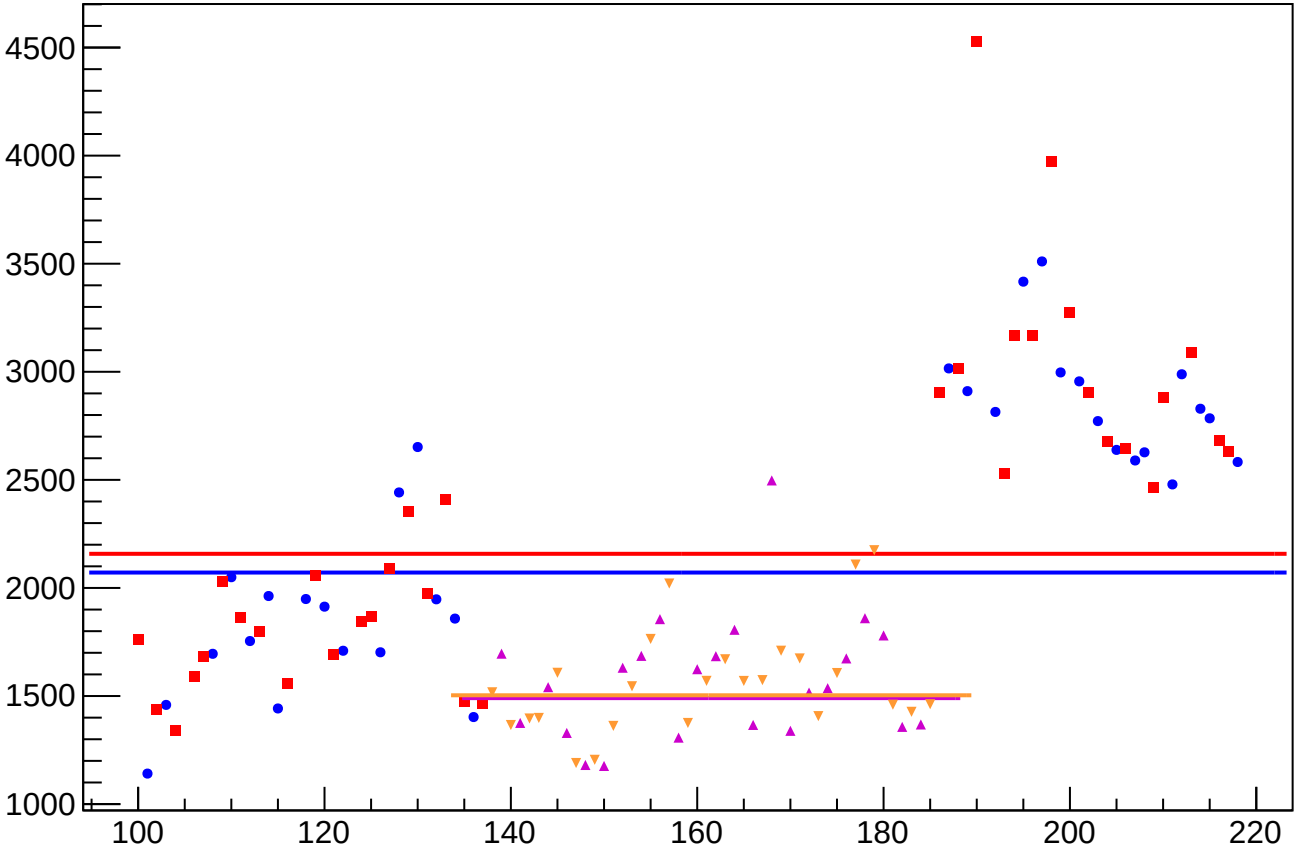
Left In: 85.329+/-353.933 χ^2/NDF:18.1/22

+ sign 648.031+/-282.510 χ^2/NDF: 68.4/56

All: 524.018+/-201.995 χ^2/NDF: 116.5/114

- sign 394.309+/-288.926 χ^2/NDF: 47.7/57

asym_usr_cor_correction_rms vs Slug



Right In: 2071.257+/-0.344 χ^2/NDF: 3752927.9/31

Left Out: 1503.437+/-0.246 χ^2/NDF:799670.9/24

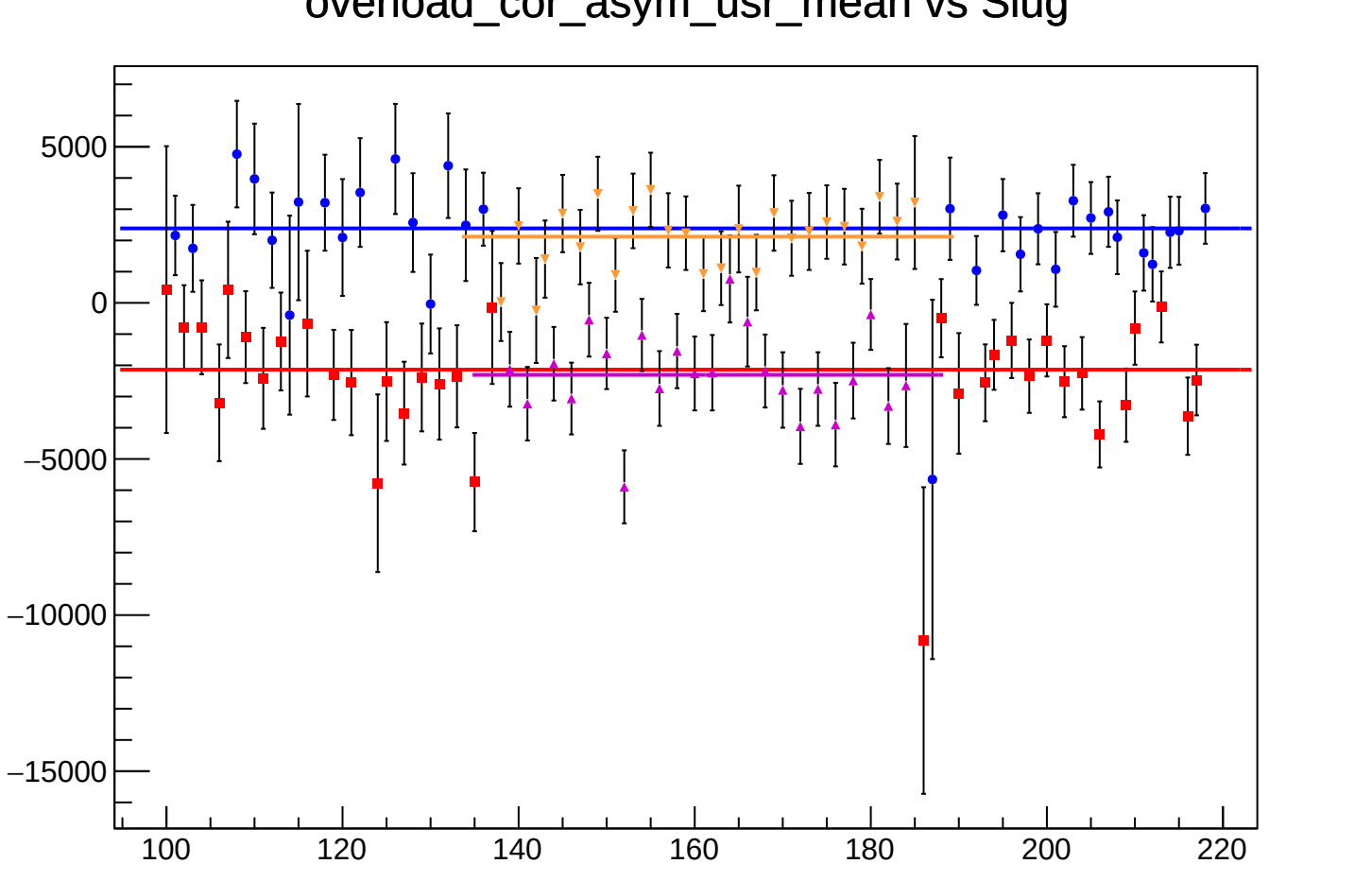
Right Out: 2157.924+/-0.354 χ^2/NDF: 3381026.4/34

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

+ sign 1695.365+/-0.200 χ^2/NDF: 6360455.9/56

All: 1704.001+/-0.143 χ^2/NDF: 13087450.4/1

- sign 1713.033+/-0.204 χ^2/NDF: 6723171.2/57



Right In: 2385.010+/-242.968 χ^2/NDF: 18.4/31

Left Out: 2119.973+/-247.544 χ^2/NDF:15.1/24

Right Out: -2138.819+/-244.012 χ^2/NDF: 31.0/34

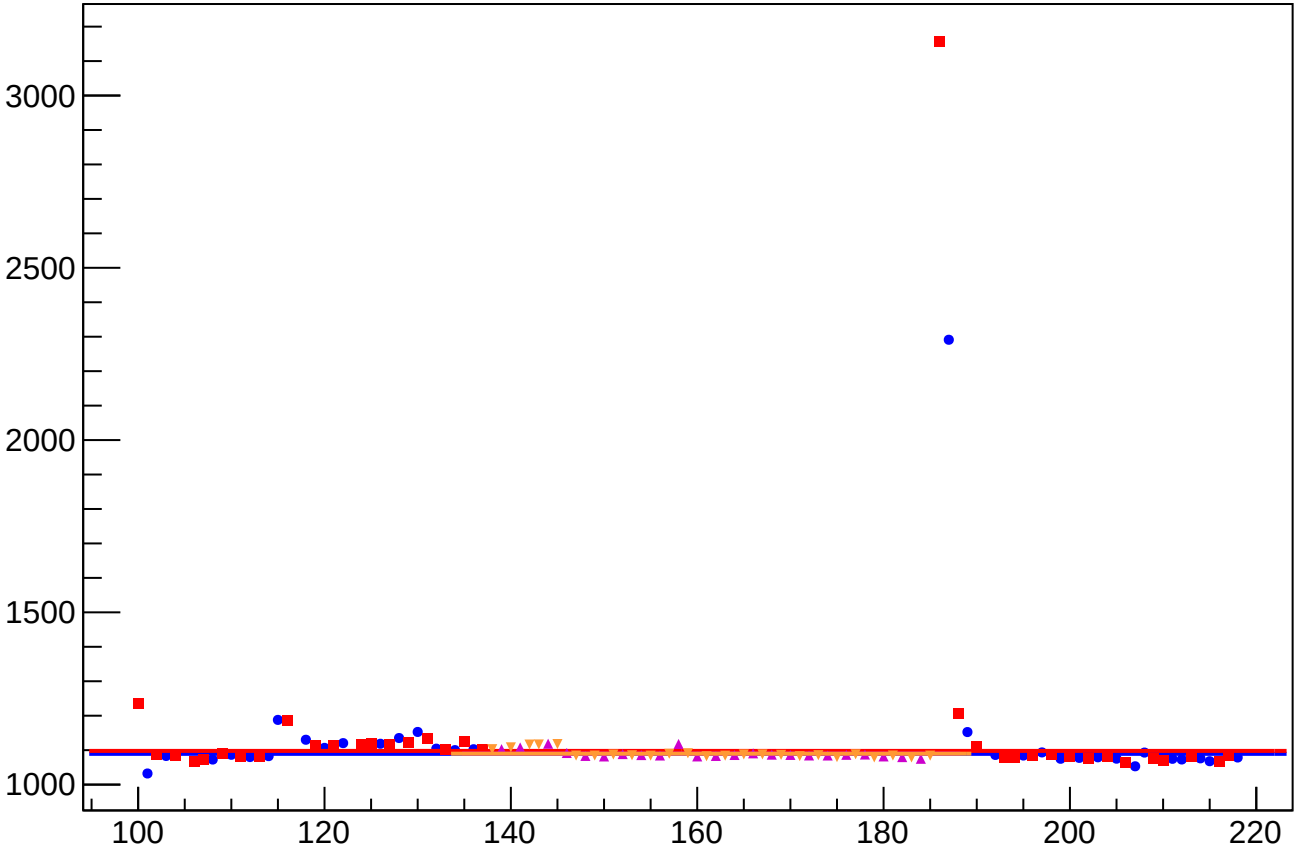
Left In: -2305.411+/-254.497 χ^2/NDF:28.5/22

+ sign 2254.964+/-173.399 χ^2/NDF: 34.1/56

All: 53.156+/-123.567 χ^2/NDF: 421.3/114

- sign -2218.613+/-176.133 χ^2/NDF: 59.7/57

overload_cor_asym_usr_rms vs Slug



Right In: 1089.281+/-0.172 χ^2/NDF: 109677.5/31

Left Out: 1089.744+/-0.175 χ^2/NDF:4057.6/24

Right Out: 1097.834+/-0.173 χ^2/NDF: 384082.9/34

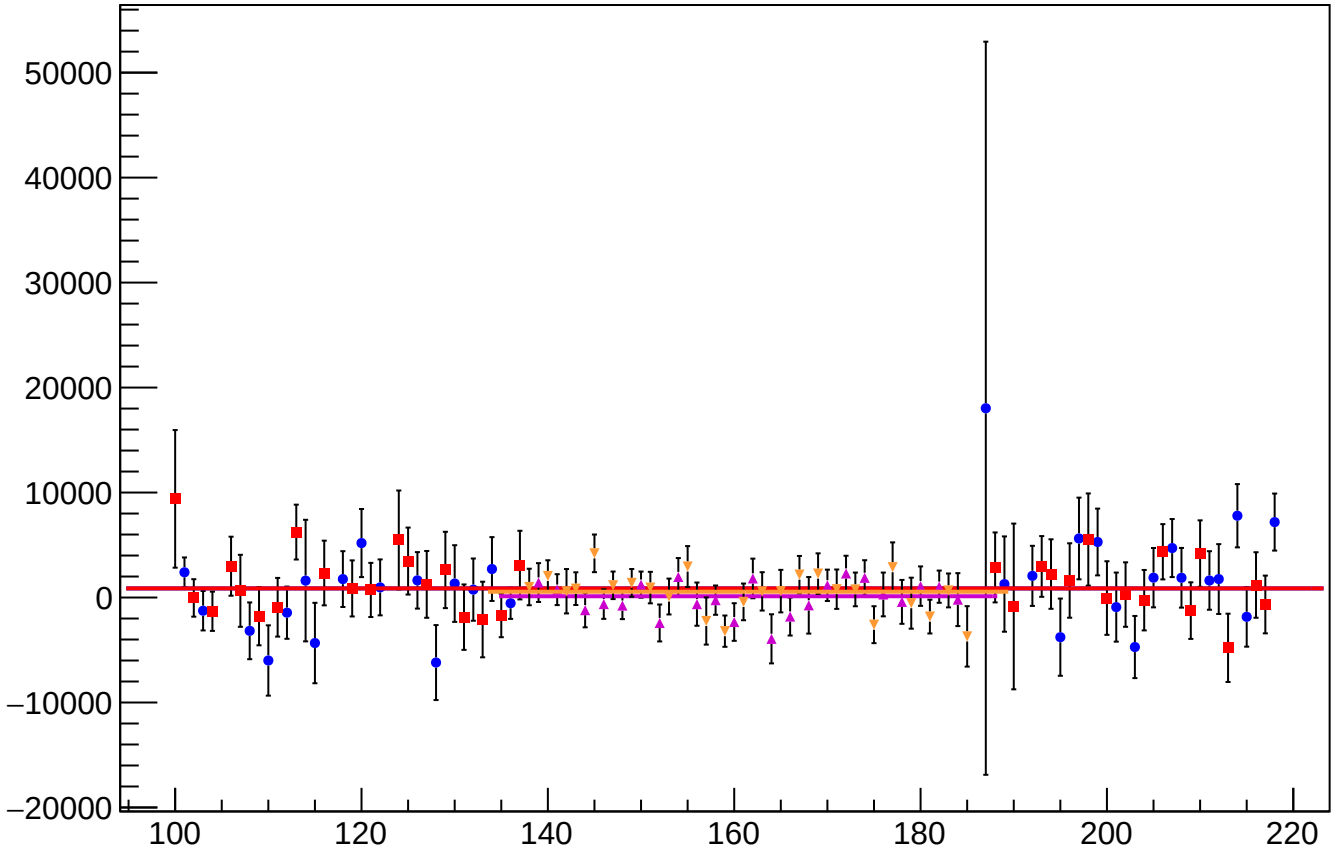
Left In: 1089.964+/-0.180 χ^2/NDF:3896.0/22

+ sign 1089.508+/-0.123 χ^2/NDF: 113738.7/56

All: 1091.751+/-0.087 χ^2/NDF: 503393.9/114

- sign 1094.065+/-0.125 χ^2/NDF: 388975.4/57

asym_usr_overload_cor_correction_mean vs Slug



Right In: 865.984+/-488.201 χ^2/NDF: 42.0/31

Left Out: 553.759+/-347.813 χ^2/NDF:26.1/24

Right Out: 870.536+/-504.613 χ^2/NDF: 24.3/33

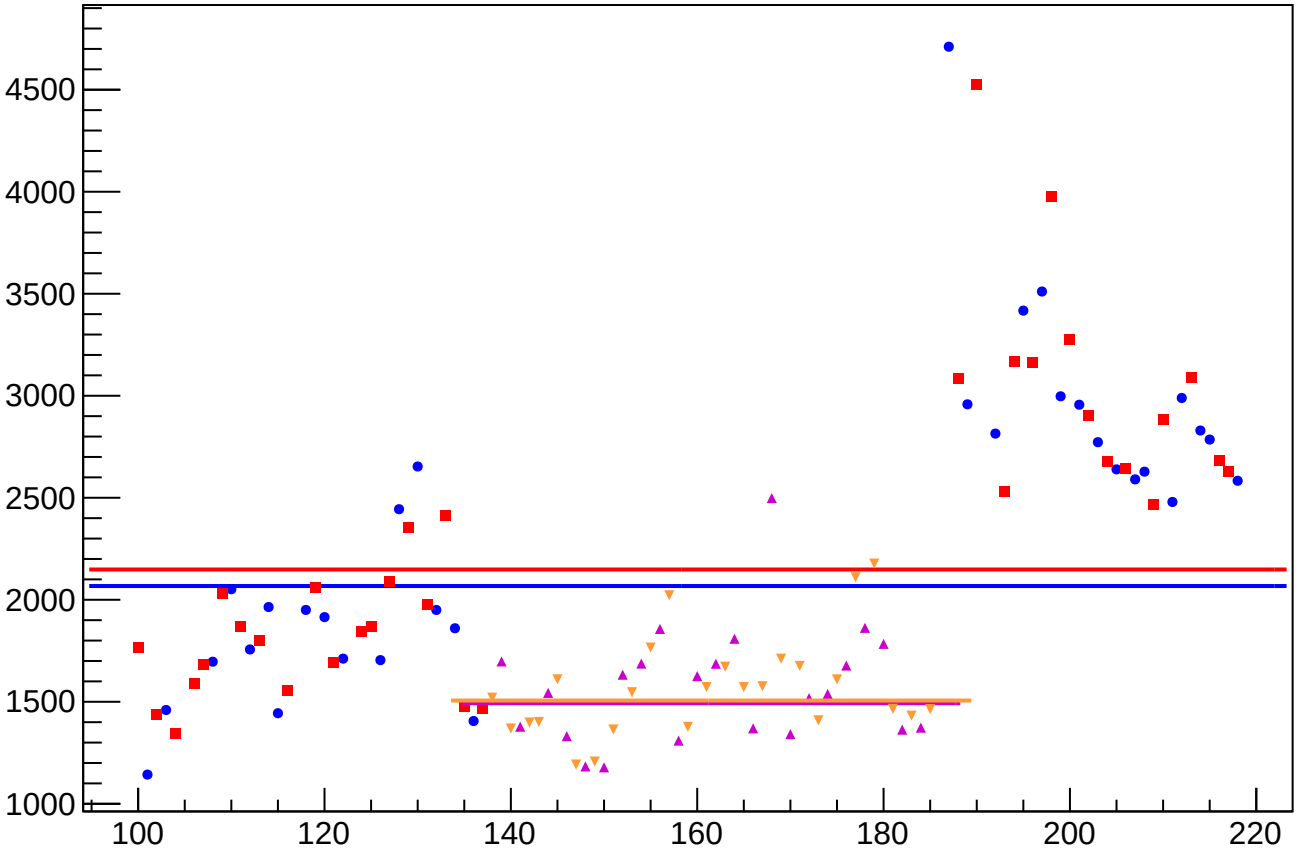
Left In: 121.420+/-354.540 χ^2/NDF:17.1/22

+ sign 658.879+/-283.274 χ^2/NDF: 68.4/56

All: 517.388+/-202.674 χ^2/NDF: 111.9/113

- sign 369.001+/-290.096 χ^2/NDF: 42.9/56

asym_usr_overload_cor_correction_rms vs Slug



Right In: 2067.370+/-0.345 χ^2/NDF: 3704665.7/31

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

Right Out: 2148.452+/-0.357 χ^2/NDF: 3314355.7/33

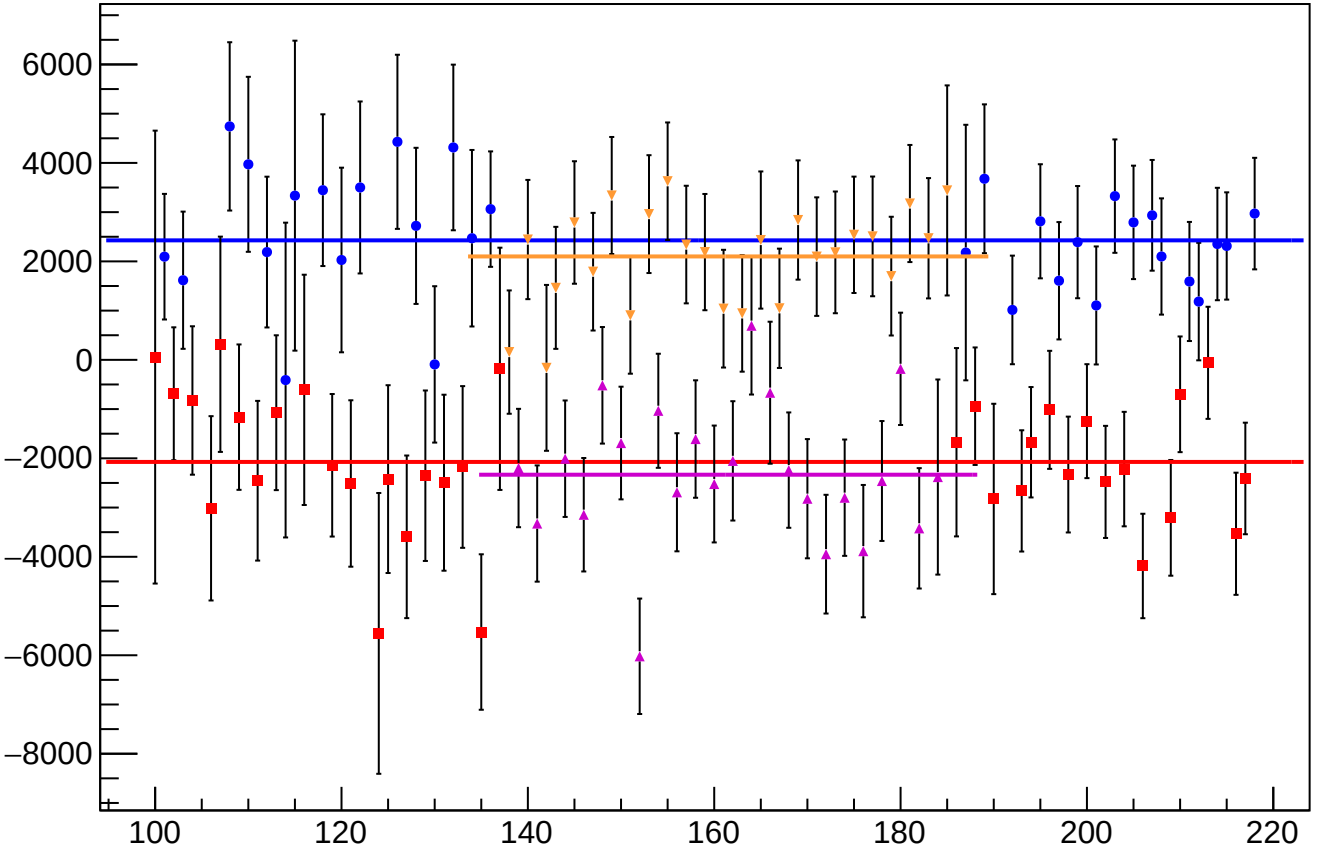
Left In: 1492.976+/-0.251 χ^2/NDF:964358.0/22

+ sign 1695.070+/-0.200 χ^2/NDF: 6254526.7/56

All: 1702.167+/-0.143 χ^2/NDF: 12795144.0/1

- sign 1709.609+/-0.205 χ^2/NDF: 6538045.8/56

eigen_cor_asym_usr_mean vs Slug



Right In: 2427.042+/-242.057 χ^2/NDF: 17.1/31

Left Out: 2100.398+/-248.306 χ^2/NDF:13.8/24

Right Out: -2073.302+/-242.209 χ^2/NDF: 26.3/34

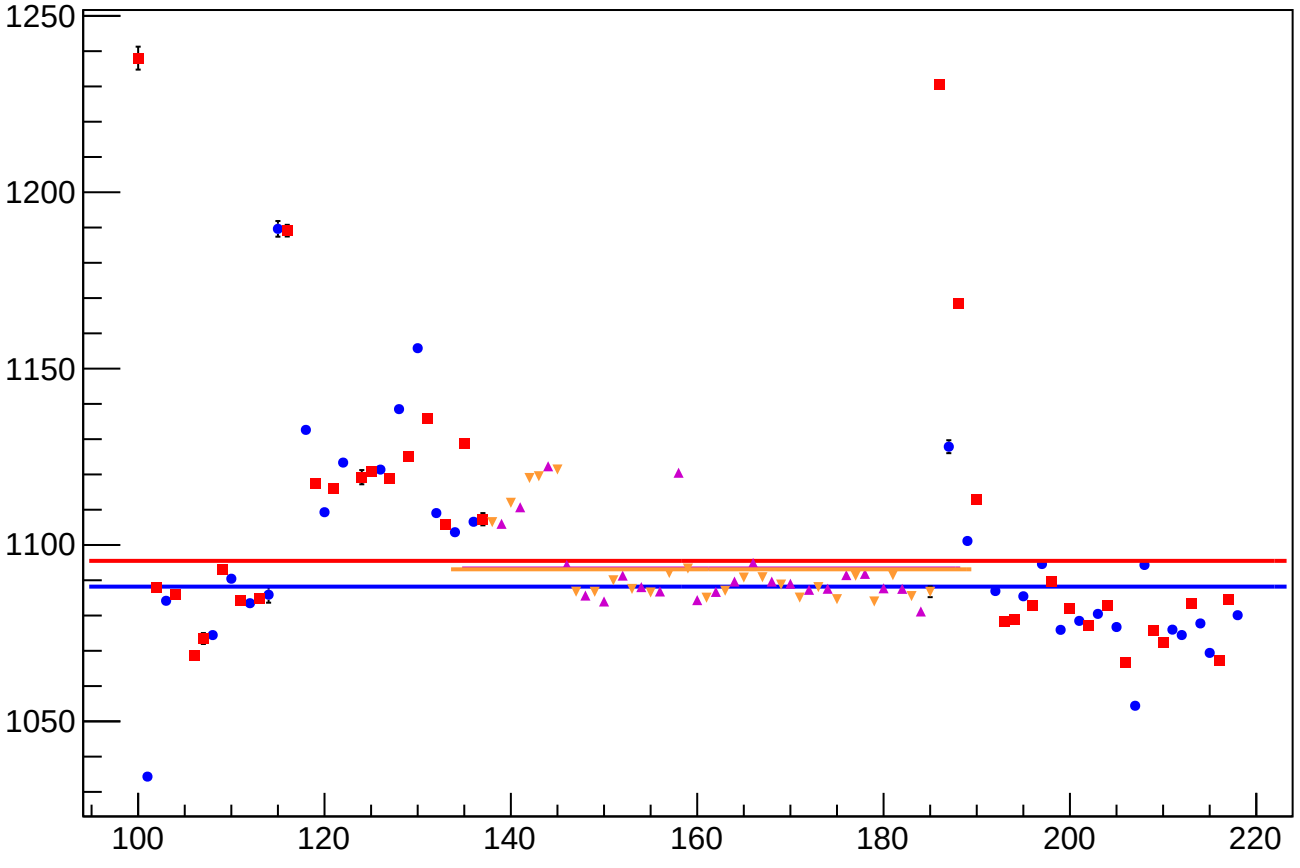
Left In: -2332.954+/-255.284 χ^2/NDF:29.5/22

+ sign 2267.882+/-173.327 χ^2/NDF: 31.8/56

All: 66.237+/-123.394 χ^2/NDF: 415.3/114

- sign -2196.308+/-175.708 χ^2/NDF: 56.4/57

eigen_cor_asym_usr_rms vs Slug



Right In: 1088.194+/-0.171 χ^2/NDF: 20355.8/31

Left Out: 1093.102+/-0.176 χ^2/NDF:3983.2/24

Right Out: 1095.499+/-0.171 χ^2/NDF: 34347.2/34

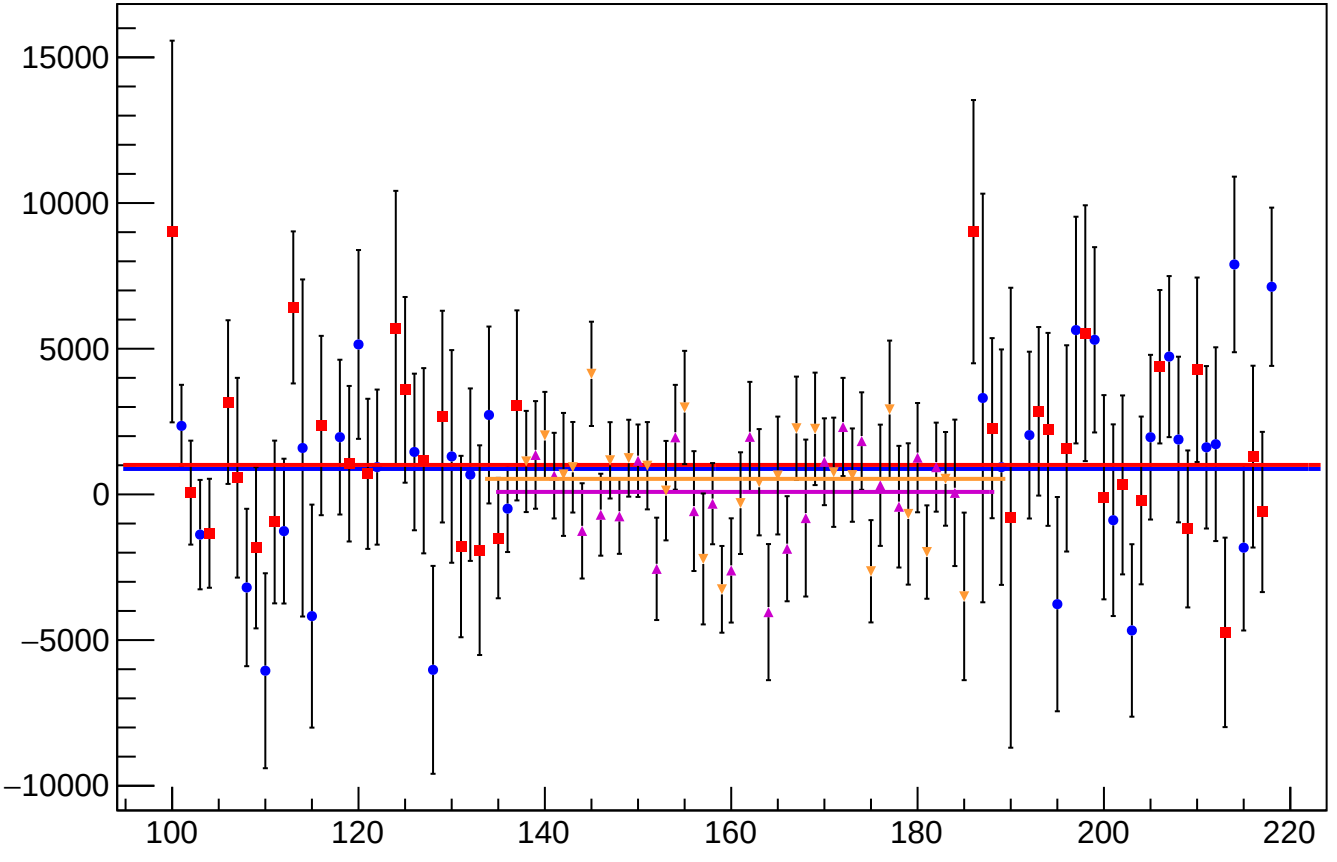
Left In: 1093.338+/-0.181 χ^2/NDF:3725.7/22

+ sign 1090.586+/-0.123 χ^2/NDF: 24739.6/56

All: 1092.504+/-0.087 χ^2/NDF: 63384.7/114

- sign 1094.475+/-0.124 χ^2/NDF: 38148.4/57

asym_usr_eigen_cor_correction_mean vs Slug



Right In: 873.353+/-485.926 χ^2/NDF: 41.6/31

Left Out: 532.982+/-347.223 χ^2/NDF:26.4/24

Right Out: 1011.510+/-500.230 χ^2/NDF: 27.4/34

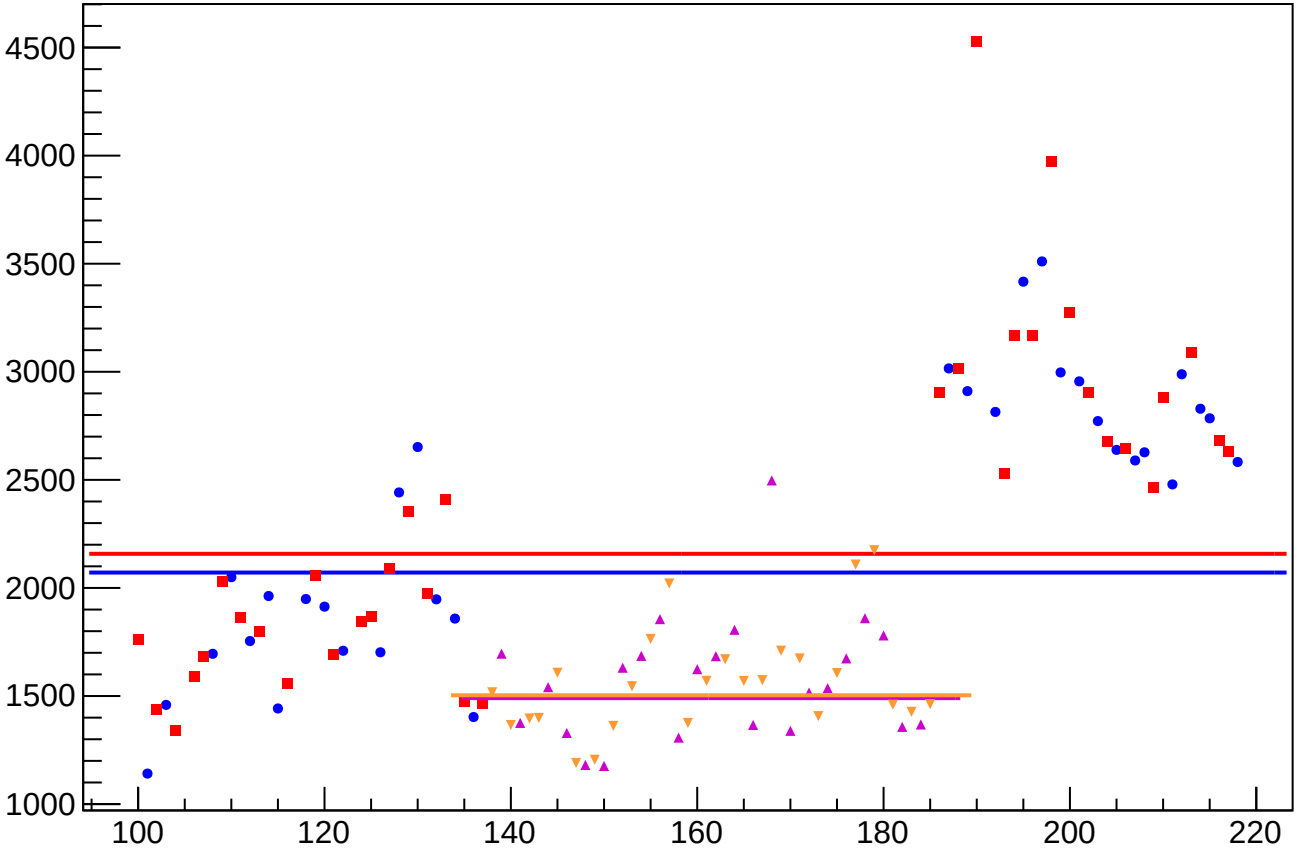
Left In: 85.329+/-353.933 χ^2/NDF:18.1/22

+ sign 648.031+/-282.510 χ^2/NDF: 68.4/56

All: 524.018+/-201.995 χ^2/NDF: 116.5/114

- sign 394.309+/-288.926 χ^2/NDF: 47.7/57

asym_usr_eigen_cor_correction_rms vs Slug



Right In: 2071.257+/-0.344 χ^2/NDF: 3752927.9/31

Left Out: 1503.437+/-0.246 χ^2/NDF:799670.9/24

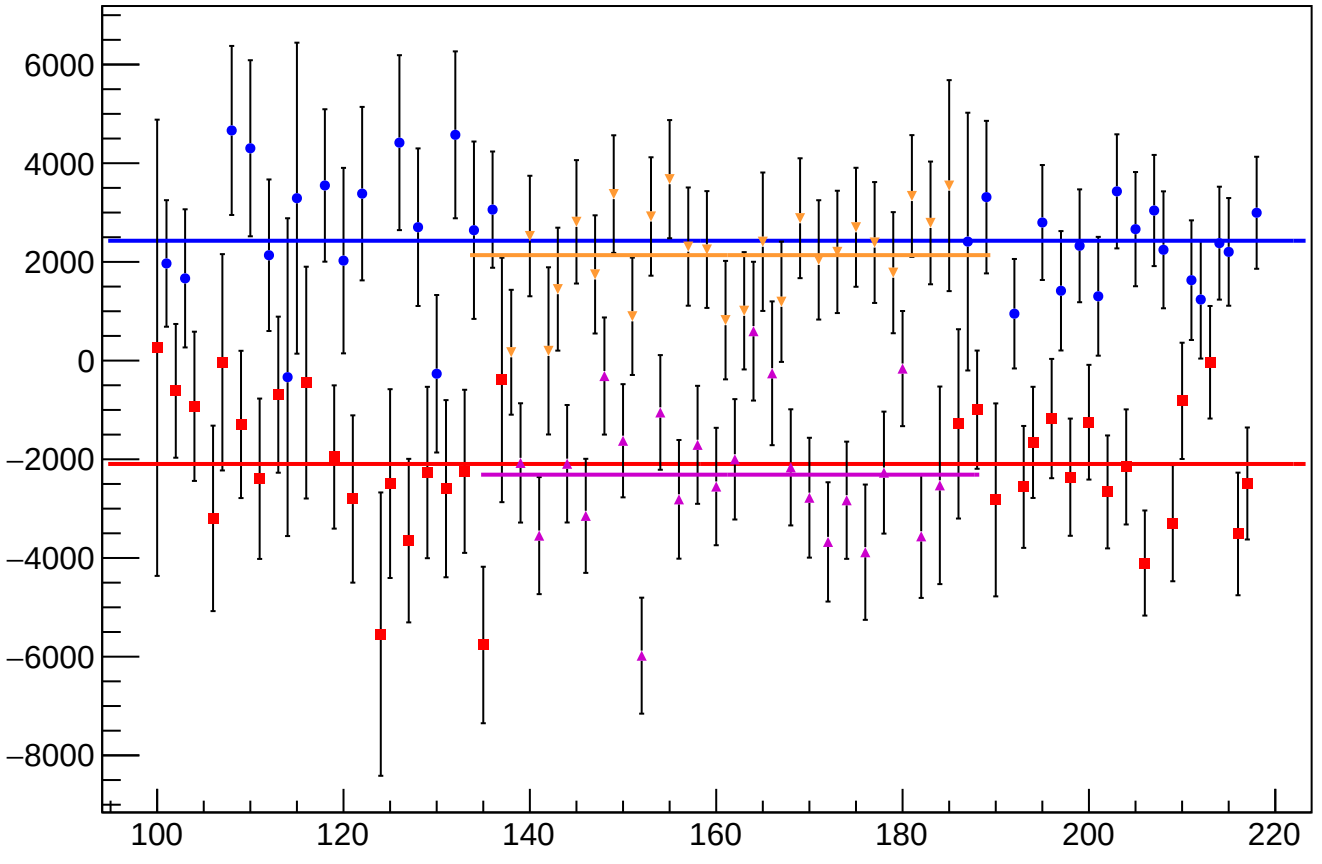
Right Out: 2157.924+/-0.354 χ^2/NDF: 3381026.4/34

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

+ sign 1695.365+/-0.200 χ^2/NDF: 6360455.9/56

All: 1704.001+/-0.143 χ^2/NDF: 13087450.4/1

- sign 1713.033+/-0.204 χ^2/NDF: 6723171.2/57



Right In: 2428.700+/-243.172 χ^2/NDF: 17.6/31

Left Out: 2137.184+/-250.195 χ^2/NDF:13.9/24

Right Out: -2094.802+/-243.247 χ^2/NDF: 26.7/34

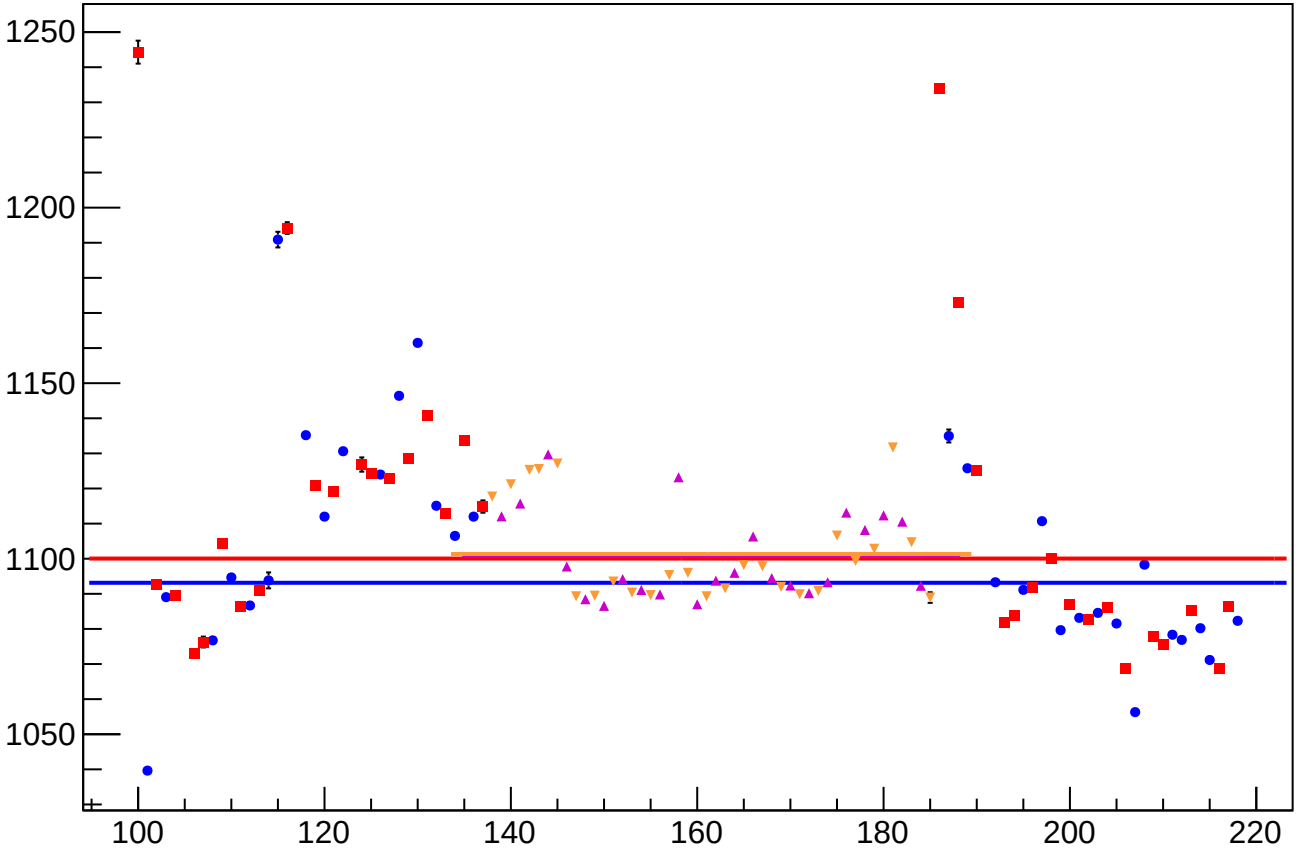
Left In: -2311.761+/-257.036 χ^2/NDF:29.9/22

+ sign 2287.091+/-174.379 χ^2/NDF: 32.3/56

All: 74.228+/-124.108 χ^2/NDF: 415.6/114

- sign -2197.306+/-176.675 χ^2/NDF: 57.0/57

dit_asym_usr_rms vs Slug



Right In: 1093.144+/-0.172 χ^2/NDF: 22346.3/31

Left Out: 1101.353+/-0.177 χ^2/NDF:5950.6/24

Right Out: 1100.042+/-0.172 χ^2/NDF: 35016.8/34

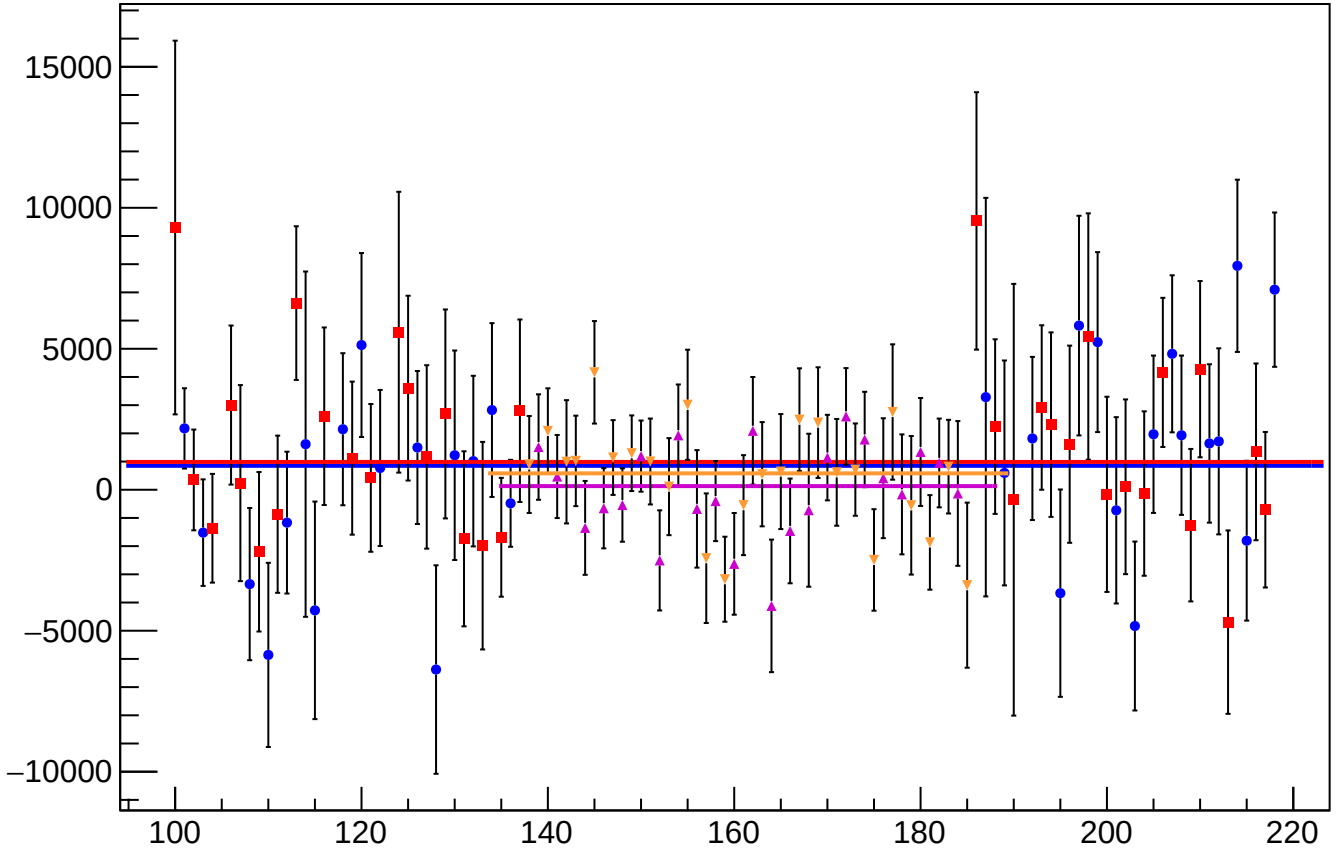
Left In: 1100.792+/-0.182 χ^2/NDF:4641.7/22

+ sign 1097.132+/-0.123 χ^2/NDF: 29404.2/56

All: 1098.743+/-0.088 χ^2/NDF: 69417.6/114

- sign 1100.396+/-0.125 χ^2/NDF: 39667.5/57

asym_usr_dit_correction_mean vs Slug



Right In: 849.099+/-491.177 χ^2/NDF: 41.6/31

Left Out: 581.427+/-353.389 χ^2/NDF:25.4/24

Right Out: 986.981+/-505.559 χ^2/NDF: 27.5/34

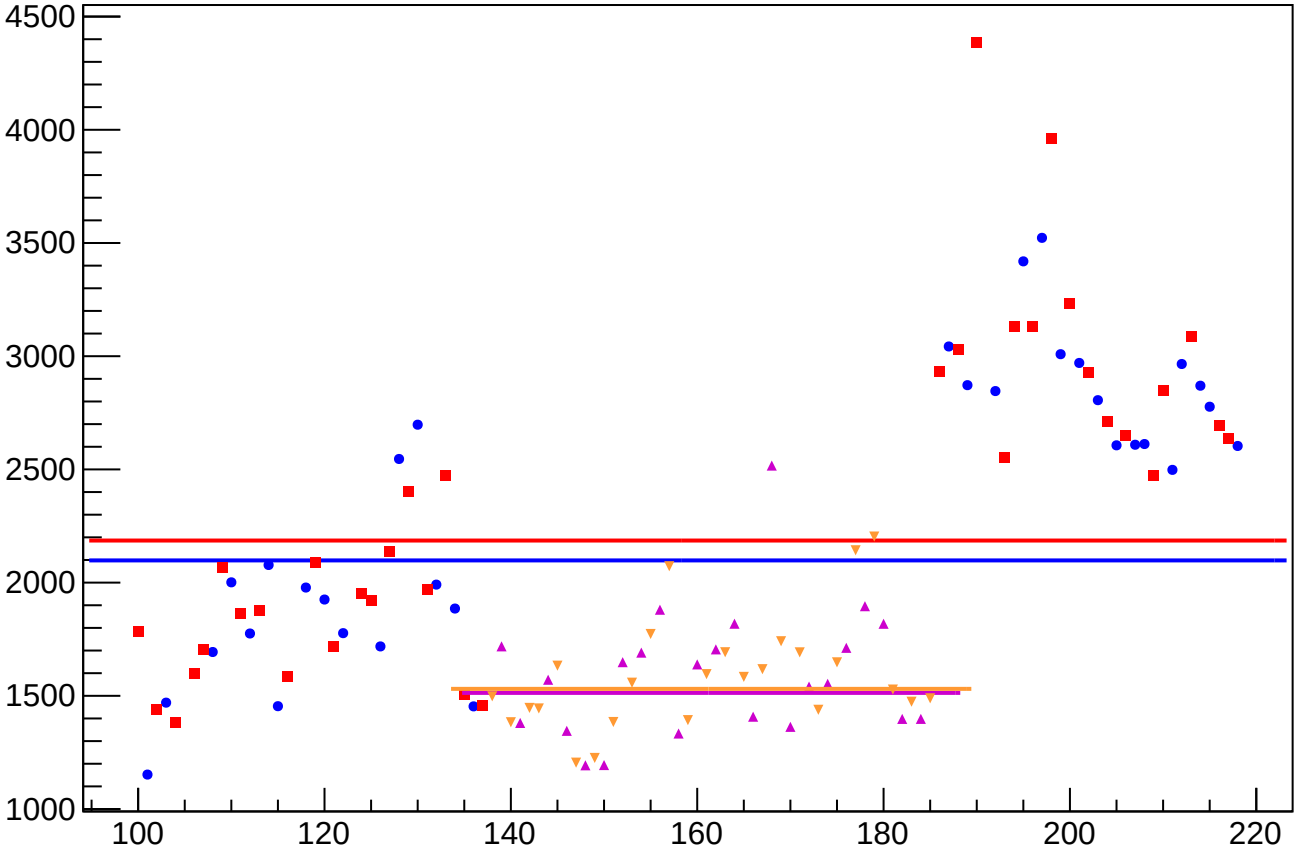
Left In: 128.769+/-359.128 χ^2/NDF:17.9/22

\+ sign 672.725+/-286.859 χ^2/NDF: 67.1/56

All: 547.274+/-204.900 χ^2/NDF: 114.8/114

\- sign 416.593+/-292.778 χ^2/NDF: 47.3/57

asym_usr_dit_correction_rms vs Slug



Right In: 2098.061+/-0.347 χ^2/NDF: 3631534.7/31

Left Out: 1530.764+/-0.250 χ^2/NDF:795634.5/24

Right Out: 2185.868+/-0.357 χ^2/NDF: 3219972.8/34

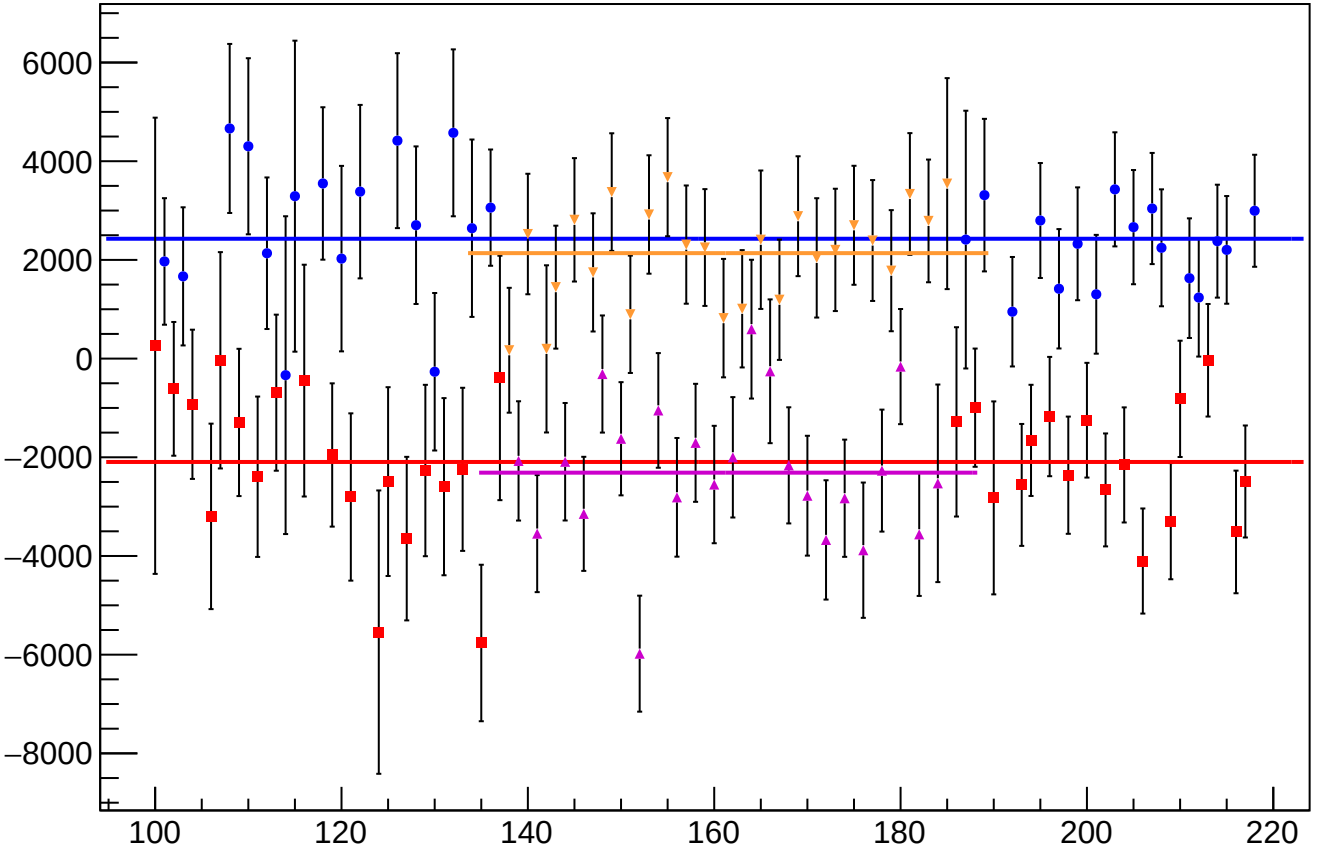
Left In: 1512.947+/-0.254 χ^2/NDF:957059.5/22

+ sign 1724.260+/-0.203 χ^2/NDF: 6185113.8/56

All: 1731.297+/-0.145 χ^2/NDF: 12719600.9/1

- sign 1738.628+/-0.207 χ^2/NDF: 6532029.4/57

eigen_dit_asym_usr_mean vs Slug



Right In: 2428.701+/-243.172 χ^2/NDF: 17.6/31

Left Out: 2137.182+/-250.195 χ^2/NDF:13.9/24

Right Out: -2094.805+/-243.247 χ^2/NDF: 26.7/34

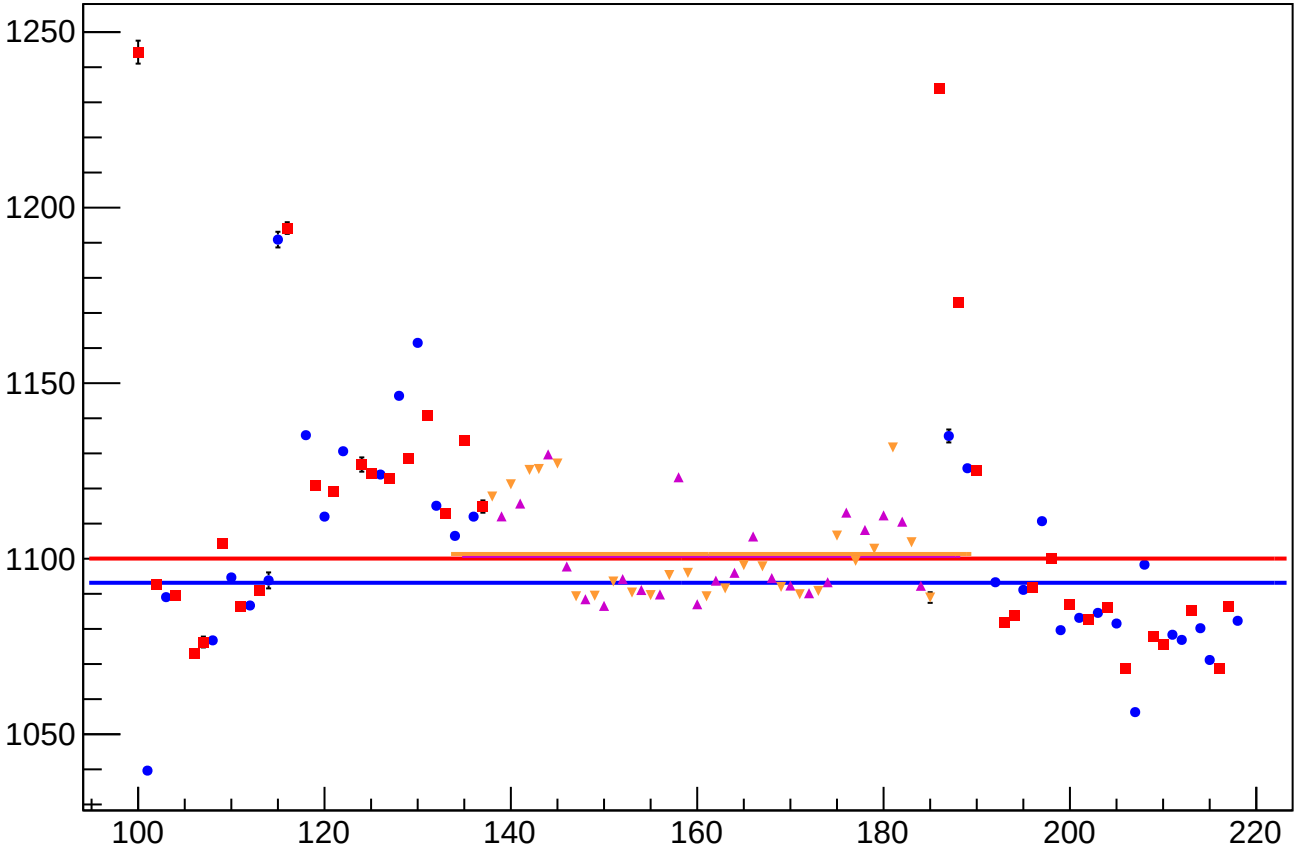
Left In: -2311.761+/-257.036 χ^2/NDF:29.9/22

+ sign 2287.090+/-174.379 χ^2/NDF: 32.3/56

All: 74.227+/-124.108 χ^2/NDF: 415.6/114

- sign -2197.308+/-176.675 χ^2/NDF: 57.0/57

eigen_dit_asym_usr_rms vs Slug



Right In: 1093.144+/-0.172 χ^2/NDF: 22346.1/31

Left Out: 1101.353+/-0.177 χ^2/NDF:5950.6/24

Right Out: 1100.042+/-0.172 χ^2/NDF: 35016.7/34

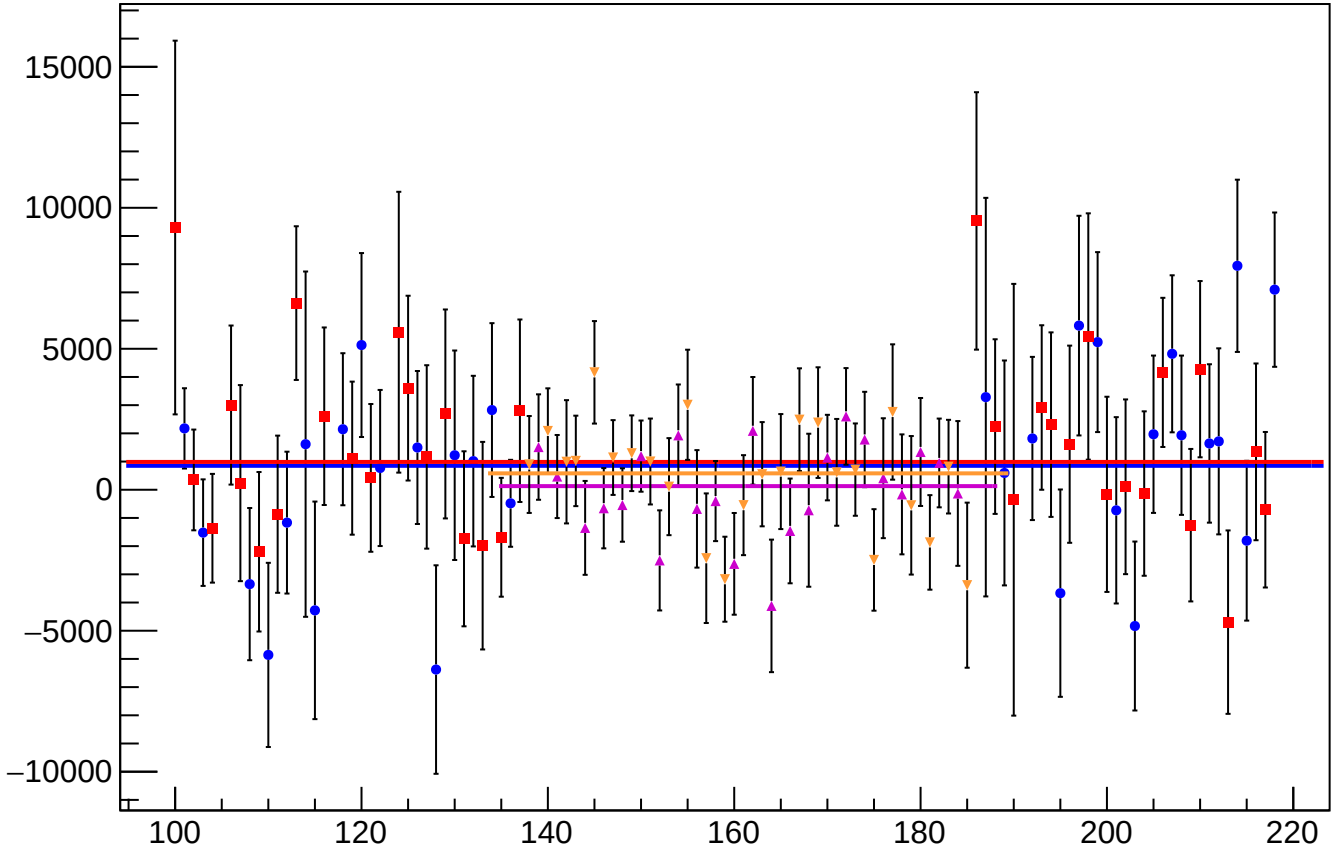
Left In: 1100.792+/-0.182 χ^2/NDF:4641.7/22

+ sign 1097.132+/-0.123 χ^2/NDF: 29404.0/56

All: 1098.743+/-0.088 χ^2/NDF: 69417.3/114

- sign 1100.396+/-0.125 χ^2/NDF: 39667.4/57

asym_usr_eigen_dit_correction_mean vs Slug



Right In: 849.093+/-491.177 χ^2/NDF: 41.6/31

Left Out: 581.426+/-353.390 χ^2/NDF:25.4/24

Right Out: 986.980+/-505.559 χ^2/NDF: 27.5/34

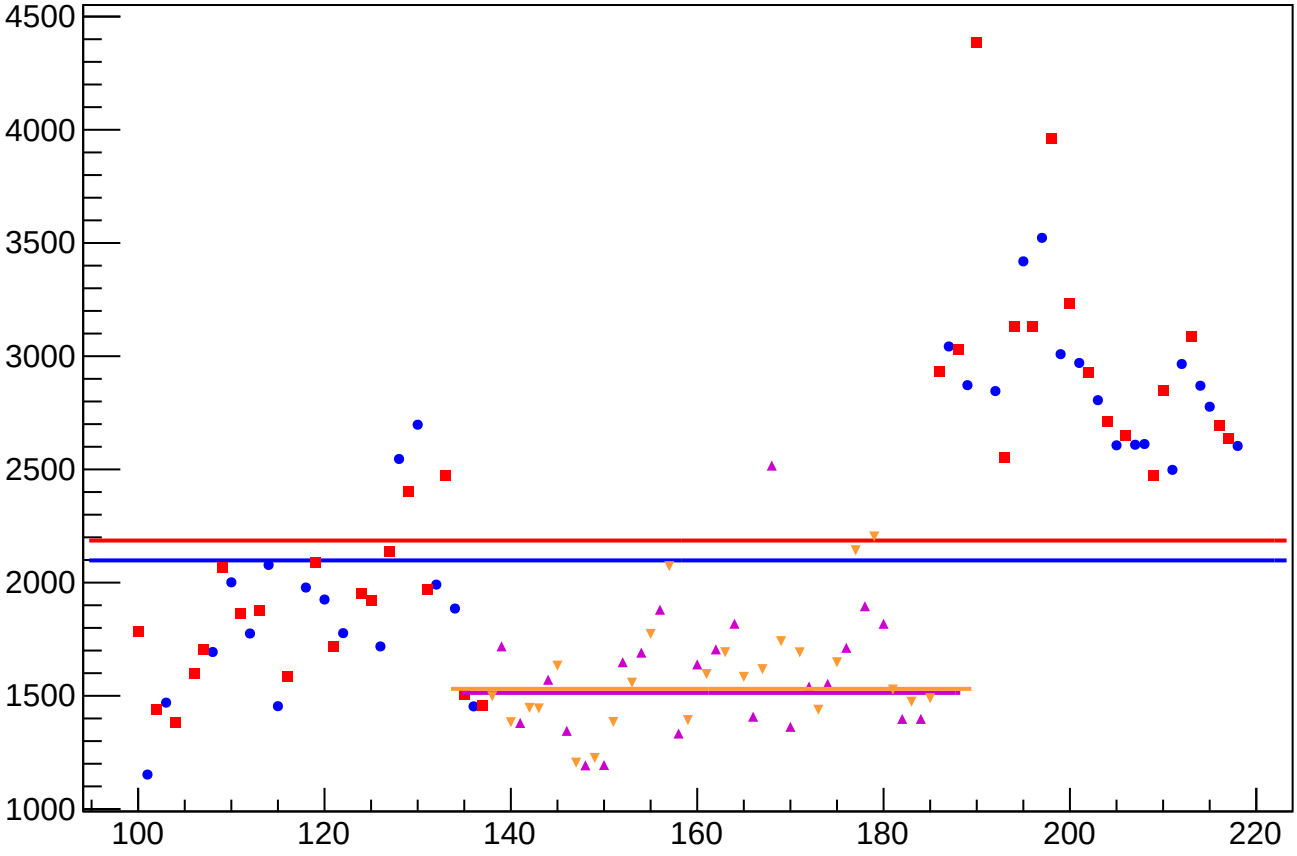
Left In: 128.769+/-359.129 χ^2/NDF:17.9/22

+ sign 672.723+/-286.859 χ^2/NDF: 67.1/56

All: 547.274+/-204.901 χ^2/NDF: 114.8/114

- sign 416.594+/-292.778 χ^2/NDF: 47.3/57

asym_usr_eigen_dit_correction_rms vs Slug



Right In: 2098.060+/-0.347 χ^2/NDF: 3631549.5/31

Left Out: 1530.768+/-0.250 χ^2/NDF:795638.4/24

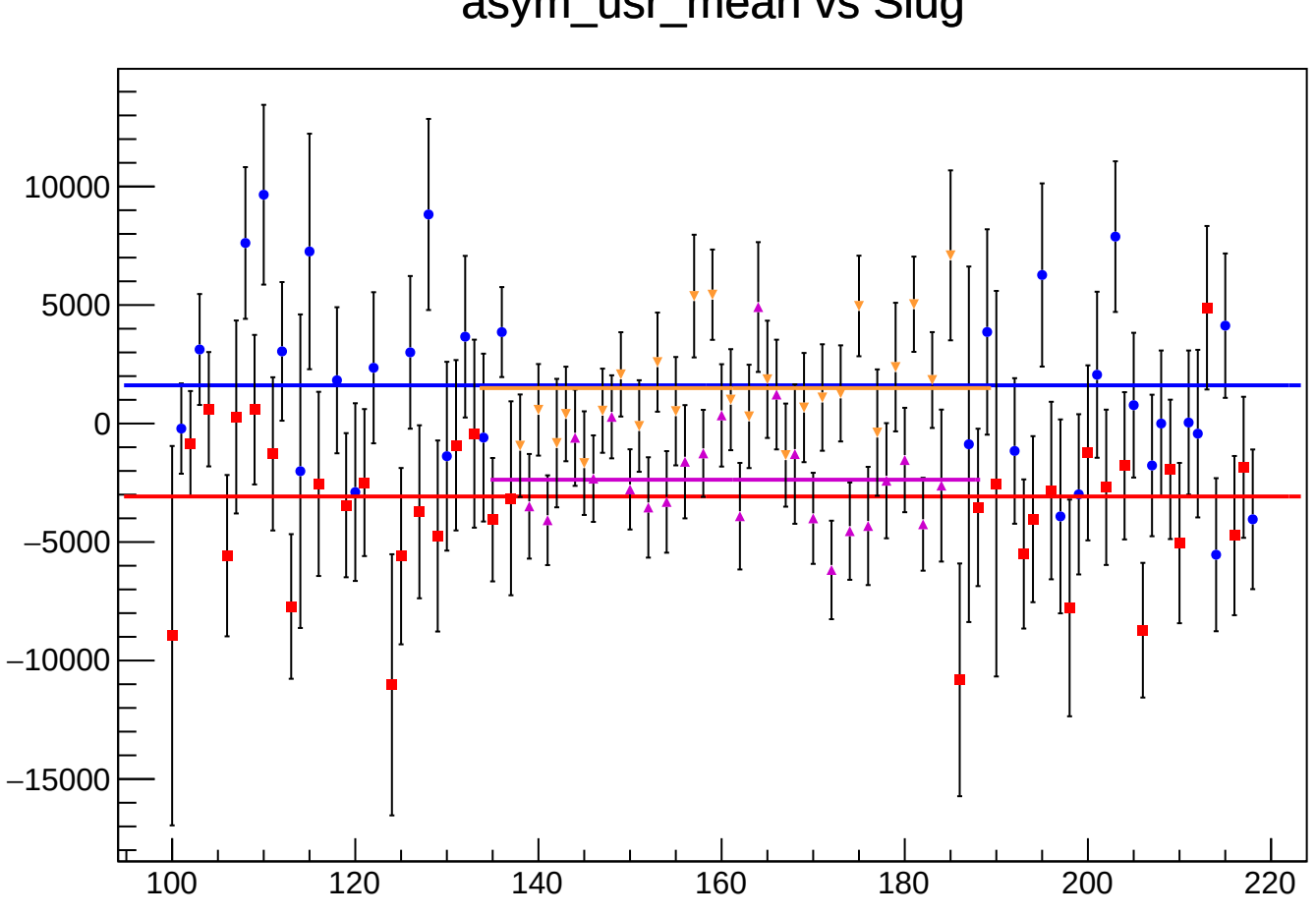
Right Out: 2185.867+/-0.357 χ^2/NDF: 3219974.1/34

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

+ sign 1724.263+/-0.203 χ^2/NDF: 6185098.5/56

All: 1731.300+/-0.145 χ^2/NDF: 12719555.9/1

- sign 1738.631+/-0.207 χ^2/NDF: 6531999.6/57



Right In: 1612.255+/-563.591 χ^2/NDF: 40.5/31

Left Out: 1495.022+/-433.196 χ^2/NDF:23.8/24

Right Out: -3077.681+/-573.820 χ^2/NDF: 27.6/34

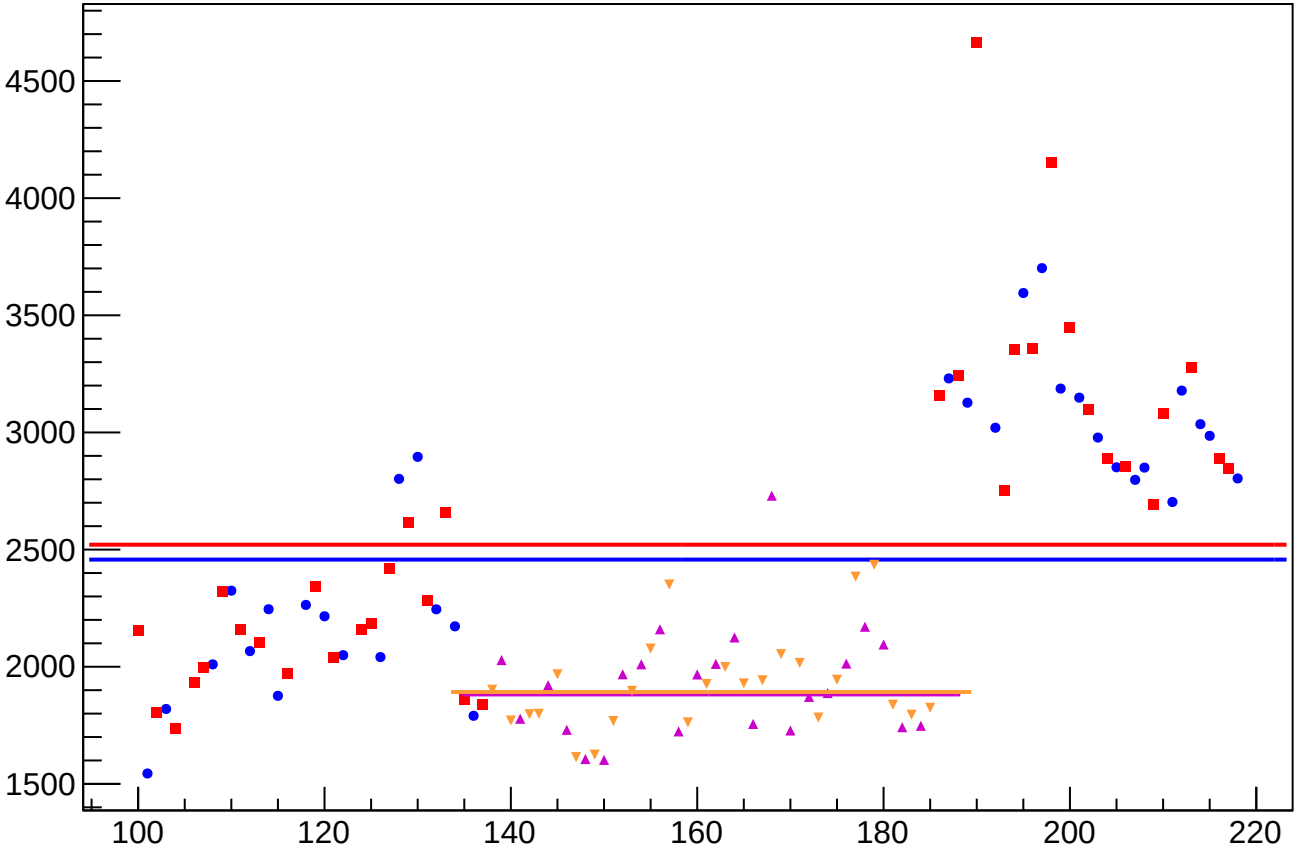
Left In: -2370.694+/-442.952 χ^2/NDF:23.7/22

+ sign 1538.560+/-343.460 χ^2/NDF: 64.3/56

All: -504.919+/-245.361 χ^2/NDF: 188.9/114

- sign -2634.674+/-350.636 χ^2/NDF: 52.3/57

asym_usr_rms vs Slug



Right In: 2457.337+/-0.399 χ^2/NDF: 2161890.9/31

Left Out: 1892.117+/-0.306 χ^2/NDF:389648.0/24

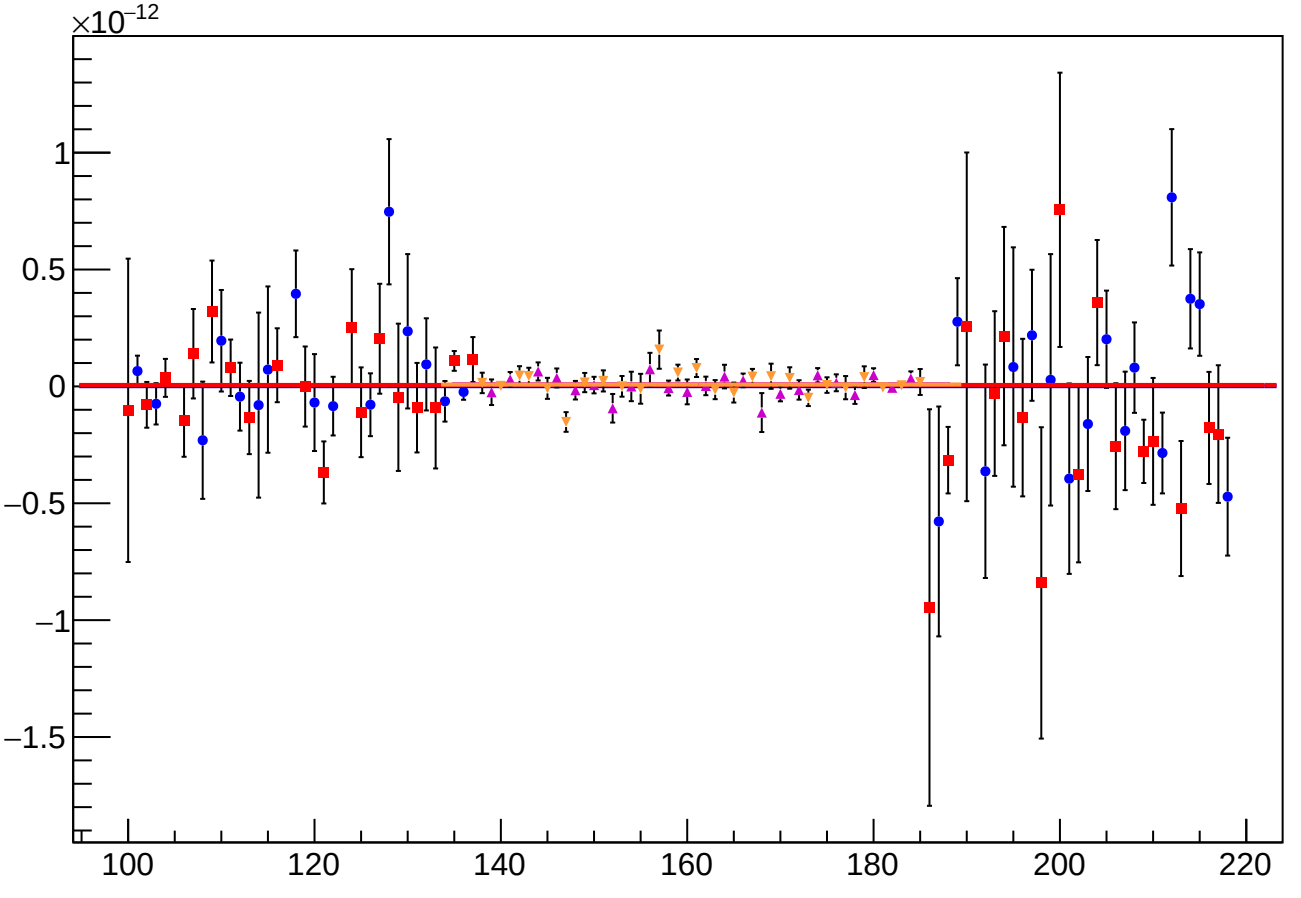
Right Out: 2520.925+/-0.406 χ^2/NDF: 2096989.0/34

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

+ sign 2102.032+/-0.243 χ^2/NDF: 3816048.1/56

All: 2111.075+/-0.173 χ^2/NDF: 7932789.4/11

- sign 2120.499+/-0.248 χ^2/NDF: 4113909.9/57



Right In: 0.000+/-0.000 χ^2/NDF: 43.9/31

Left Out: 0.000+/-0.000 χ^2/NDF:32.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 47.0/34

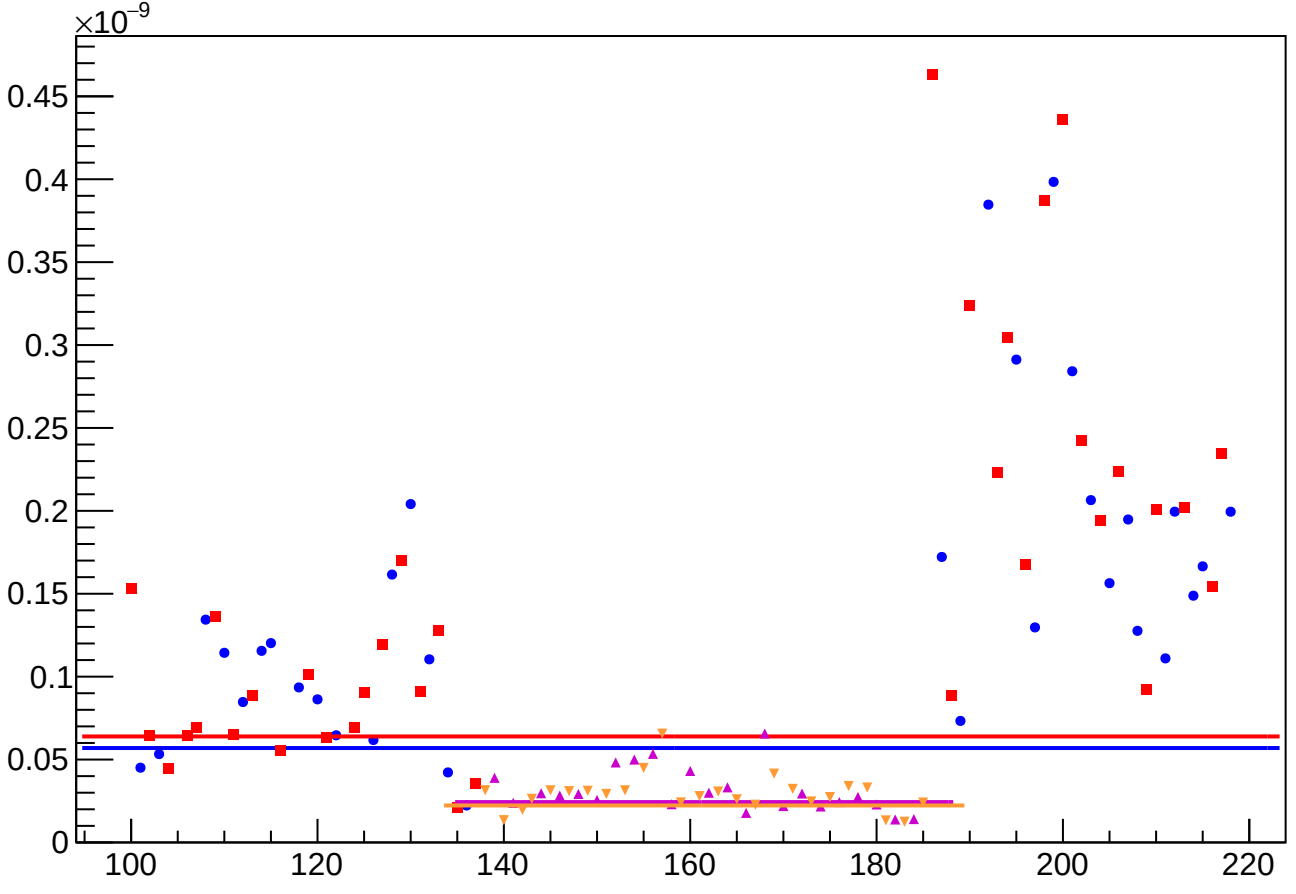
Left In: 0.000+/-0.000 χ^2/NDF:19.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 76.3/56

All: 0.000+/-0.000 χ^2/NDF: 142.5/114

- sign 0.000+/-0.000 χ^2/NDF: 66.1/57

asym_usr_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 10846638.9/31

Left Out: 0.000+/-0.000 χ^2/NDF:3629538.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10047860.6/34

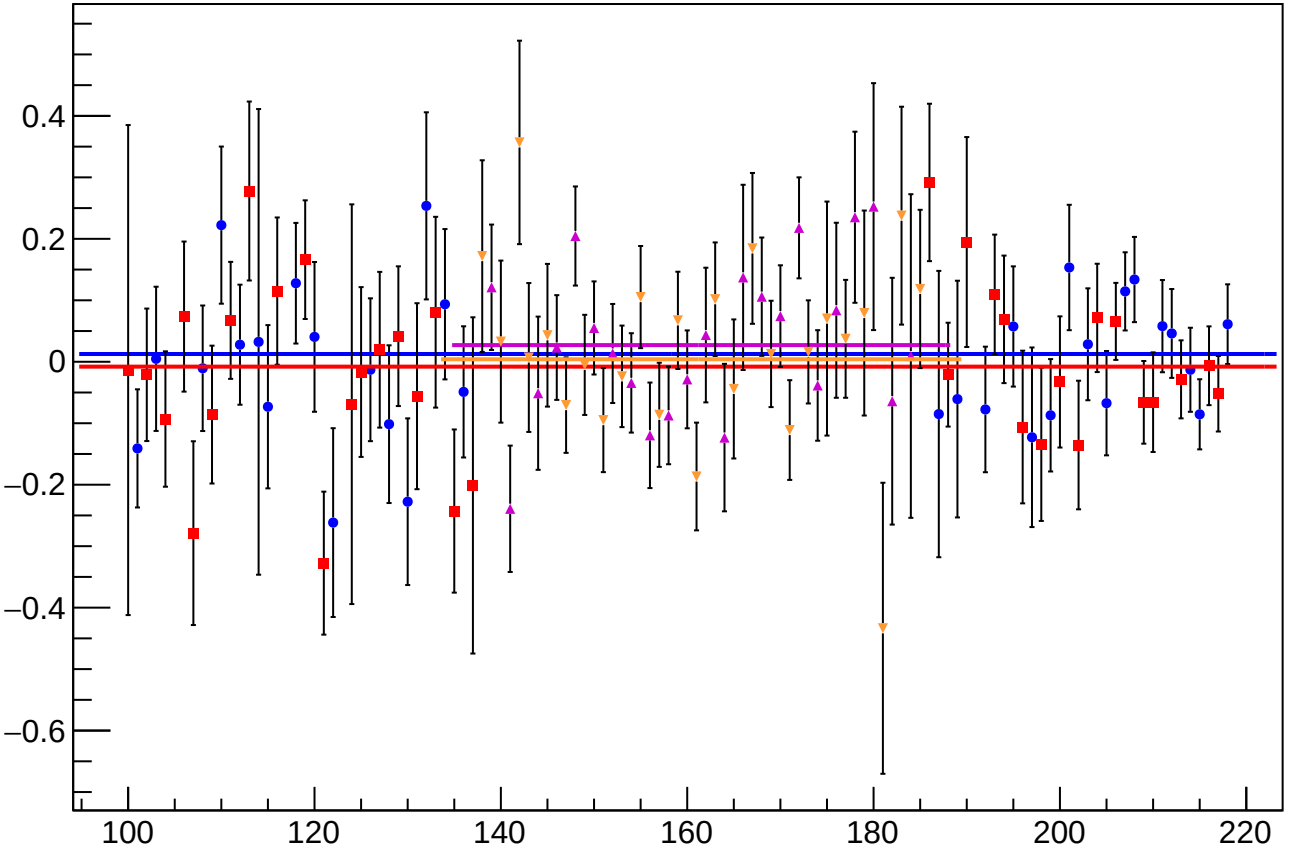
Left In: 0.000+/-0.000 χ^2/NDF:3124271.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 18740728.7/56

All: 0.000+/-0.000 χ^2/NDF: 36615072.2/114

- sign 0.000+/-0.000 χ^2/NDF: 17754741.0/57

asym_usr_dit_vs_cor_diff_mean vs Slug



Right In: 0.013+/-0.017 χ^2/NDF: 33.7/31

Left Out: 0.004+/-0.020 χ^2/NDF:28.2/24

Right Out: -0.008+/-0.017 χ^2/NDF: 41.7/34

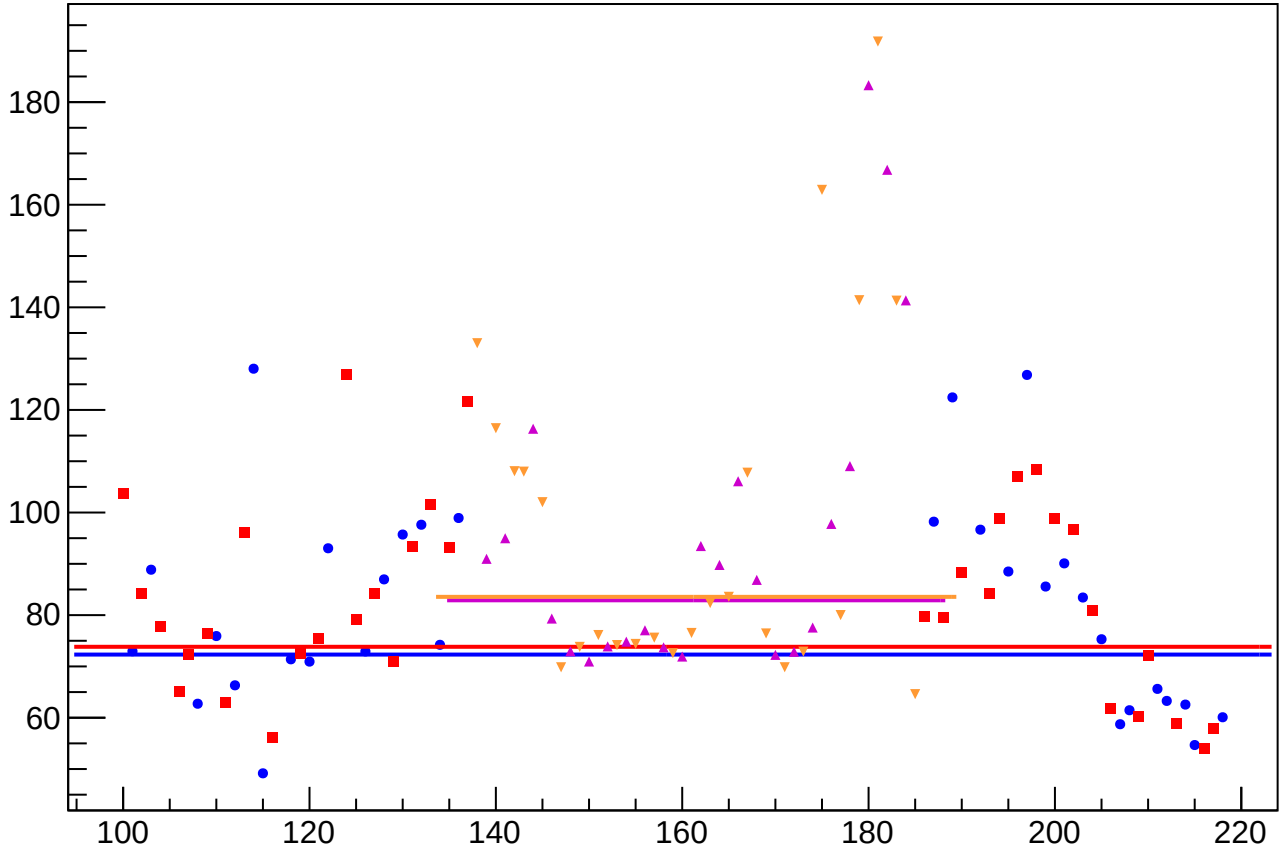
Left In: 0.027+/-0.021 χ^2/NDF:32.0/22

+ sign 0.009+/-0.013 χ^2/NDF: 61.9/56

All: 0.008+/-0.009 χ^2/NDF: 137.3/114

- sign 0.006+/-0.013 χ^2/NDF: 75.4/57

asym_usr_dit_vs_cor_diff_rms vs Slug



Right In: 72.311+/-0.012 χ^2/NDF: 1705937.2/31

Left Out: 83.564+/-0.014 χ^2/NDF:2172931.4/24

Right Out: 73.828+/-0.012 χ^2/NDF: 1708180.3/34

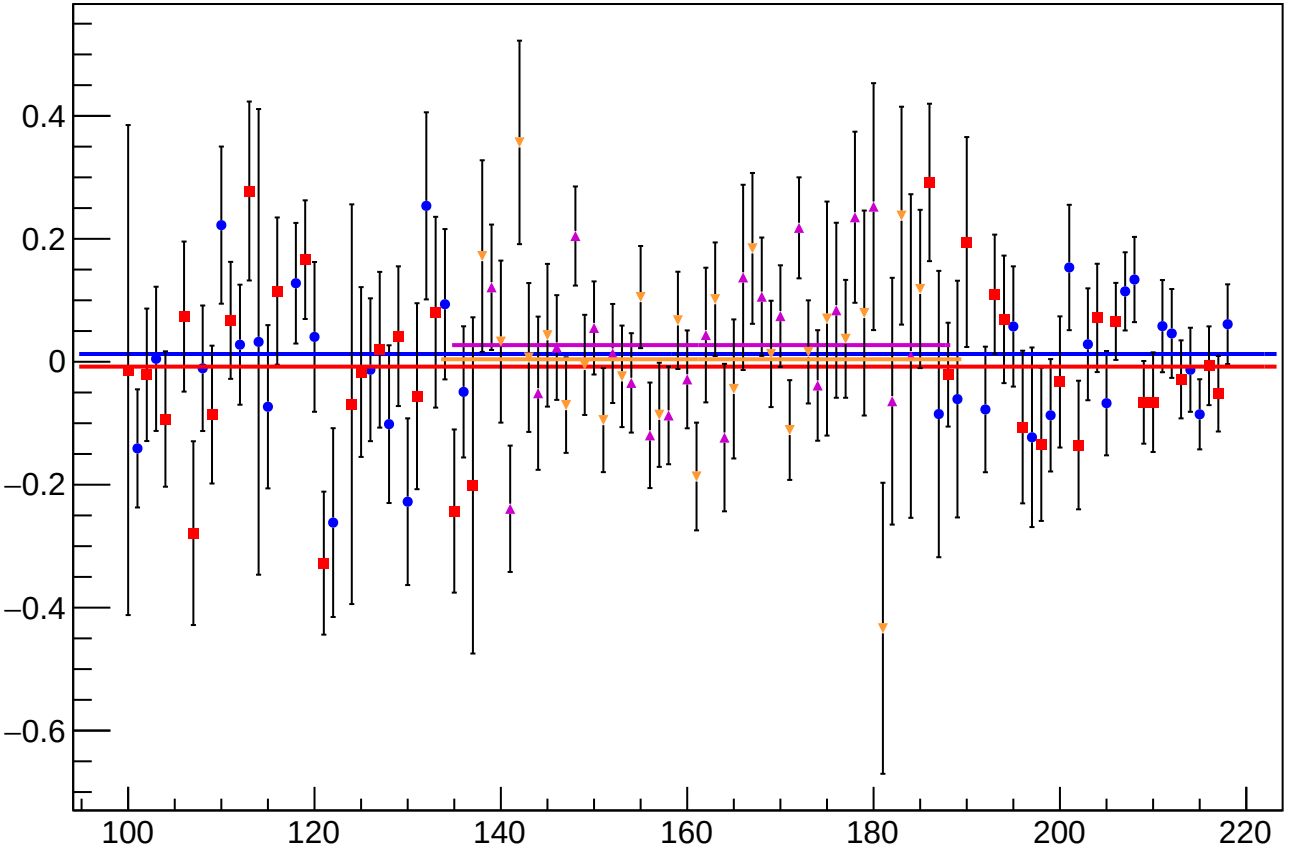
Left In: 82.891+/-0.015 χ^2/NDF:1573003.1/22

+ sign 76.950+/-0.009 χ^2/NDF: 4239979.2/56

All: 77.250+/-0.007 χ^2/NDF: 7752268.3/114

- sign 77.556+/-0.009 χ^2/NDF: 3510151.8/57

asym_usr_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.013+/-0.017 χ^2/NDF: 33.7/31

Left Out: 0.004+/-0.020 χ^2/NDF:28.2/24

Right Out: -0.008+/-0.017 χ^2/NDF: 41.7/34

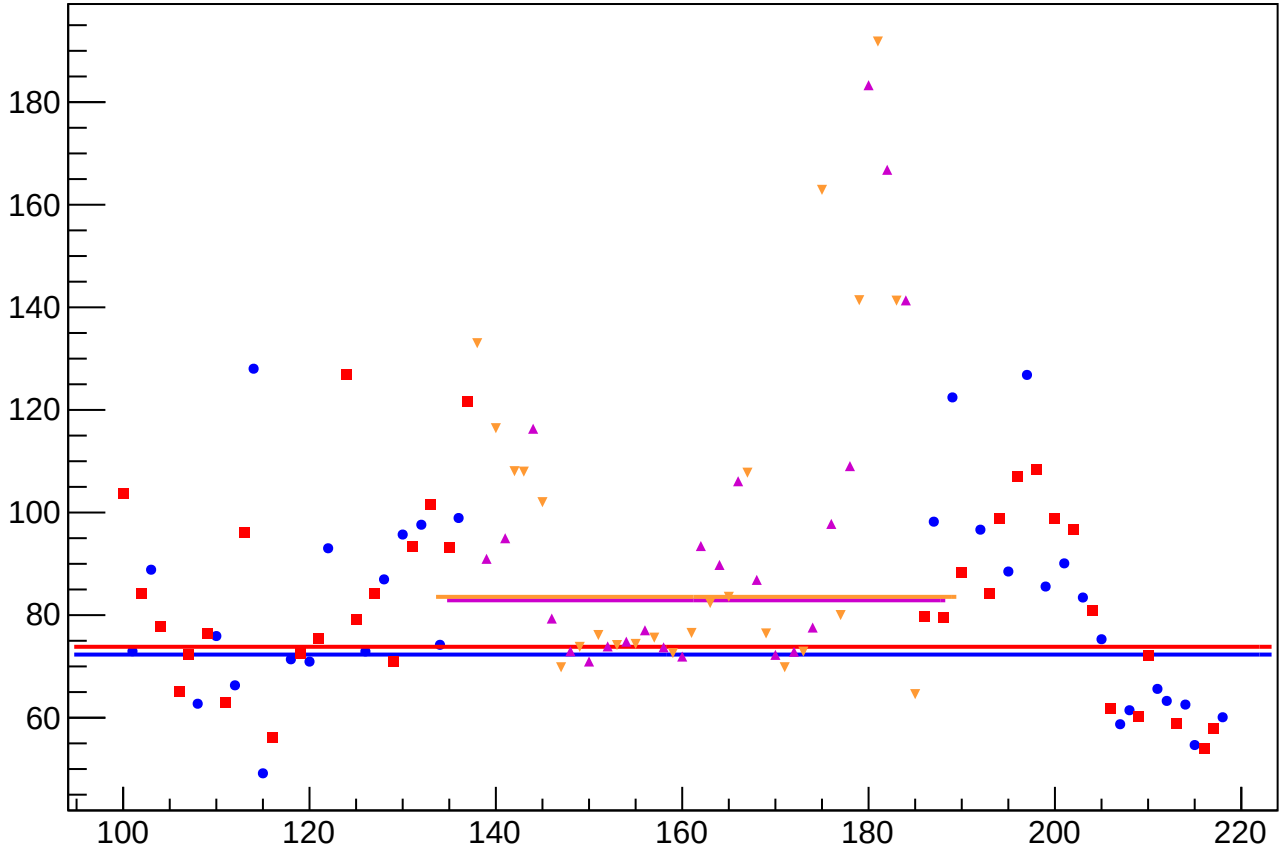
Left In: 0.027+/-0.021 χ^2/NDF:32.0/22

+ sign 0.009+/-0.013 χ^2/NDF: 61.9/56

All: 0.008+/-0.009 χ^2/NDF: 137.3/114

- sign 0.006+/-0.013 χ^2/NDF: 75.4/57

asym_usr_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 72.311+/-0.012 χ^2/NDF: 1705937.2/31

Left Out: 83.564+/-0.014 χ^2/NDF:2172931.4/24

Right Out: 73.828+/-0.012 χ^2/NDF: 1708180.3/34

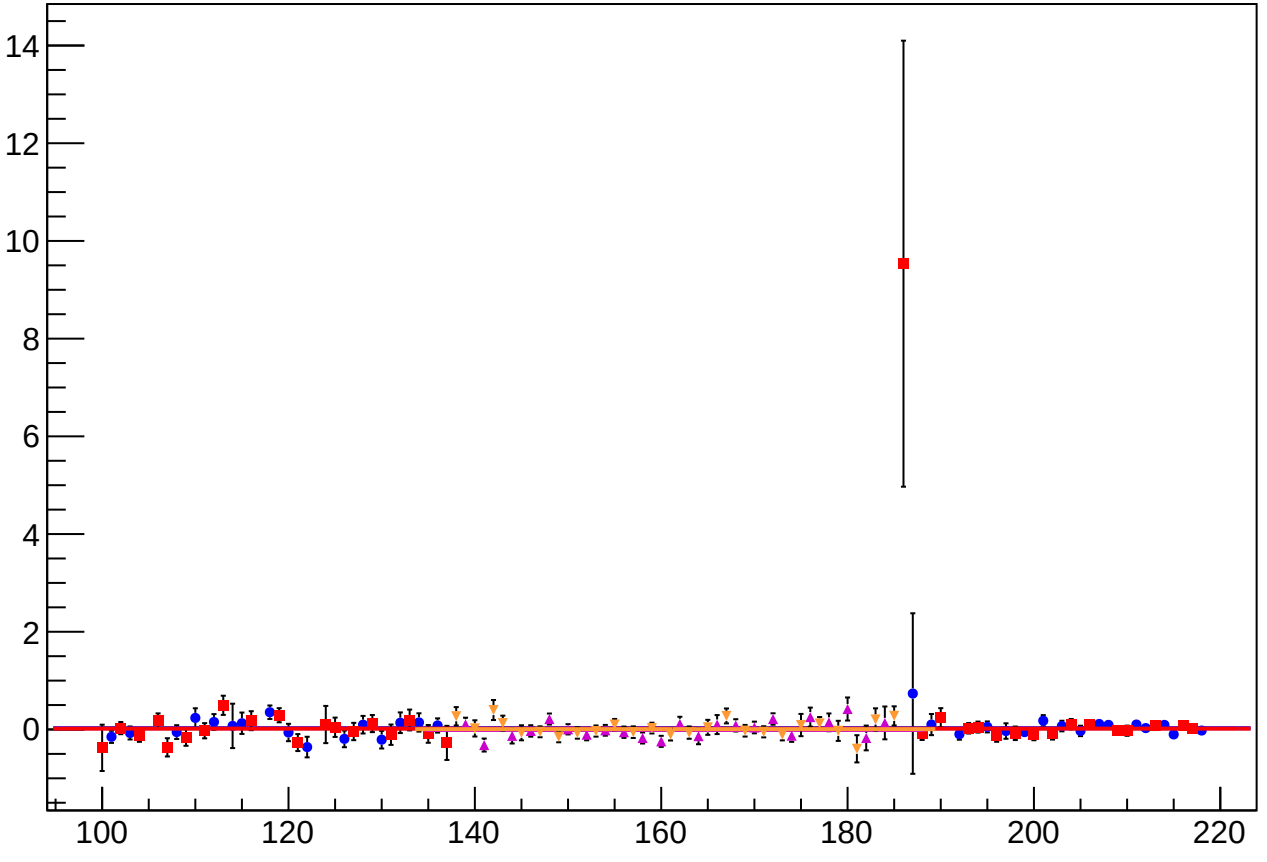
Left In: 82.891+/-0.015 χ^2/NDF:1573003.1/22

+ sign 76.950+/-0.009 χ^2/NDF: 4239979.2/56

All: 77.250+/-0.007 χ^2/NDF: 7752268.3/114

- sign 77.556+/-0.009 χ^2/NDF: 3510151.8/57

asym_usr_dit_vs_overload_cor_diff_mean vs Slug



Right In: 0.026+/-0.022 χ^2/NDF: 28.3/31

Left Out: 0.006+/-0.028 χ^2/NDF:21.3/24

Right Out: 0.017+/-0.023 χ^2/NDF: 37.0/34

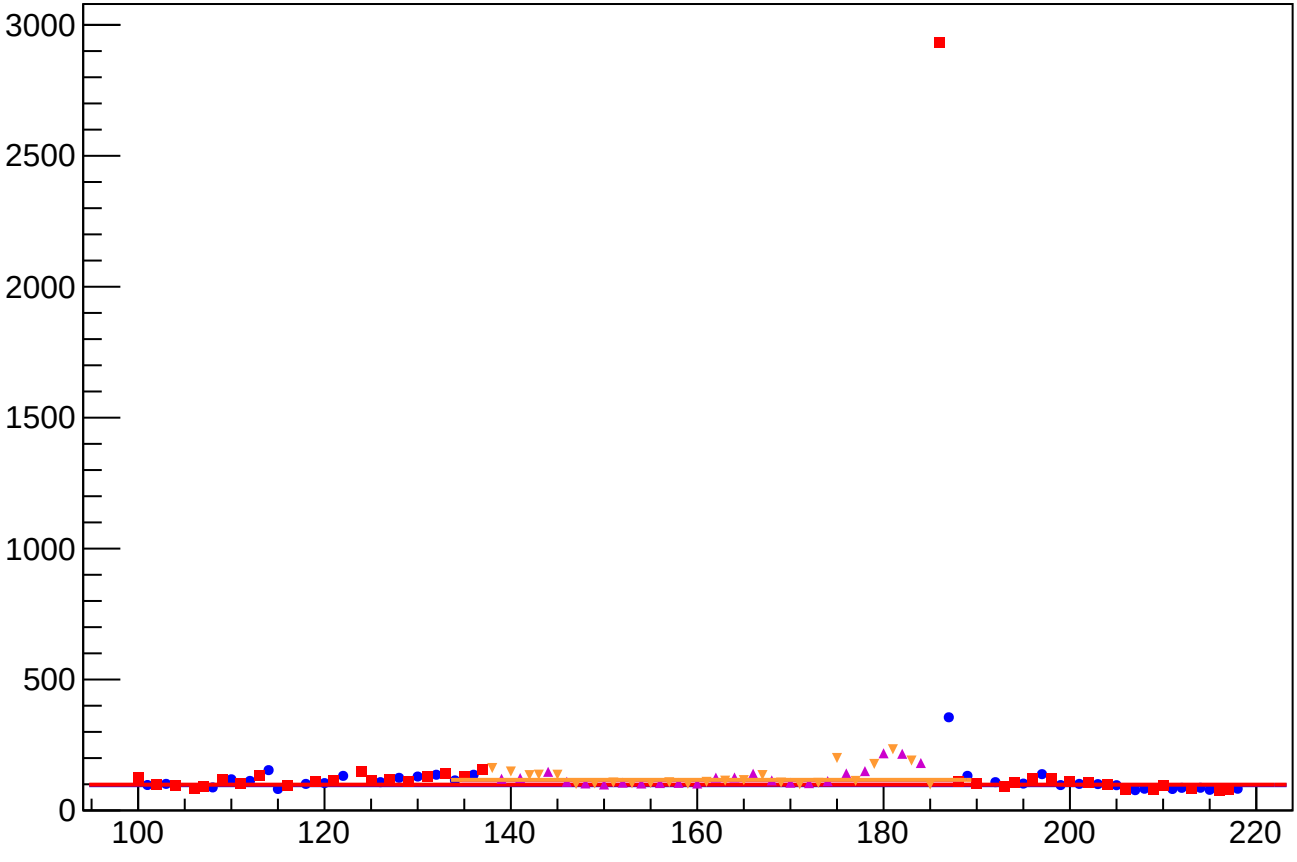
Left In: -0.010+/-0.028 χ^2/NDF:31.3/22

+ sign 0.018+/-0.017 χ^2/NDF: 50.0/56

All: 0.012+/-0.012 χ^2/NDF: 119.0/114

- sign 0.006+/-0.018 χ^2/NDF: 68.9/57

asym_usr_dit_vs_overload_cor_diff_rms vs Slug



Right In: 96.507+/-0.016 χ^2/NDF: 1186990.7/31

Left Out: 116.880+/-0.020 χ^2/NDF:1596935.1/24

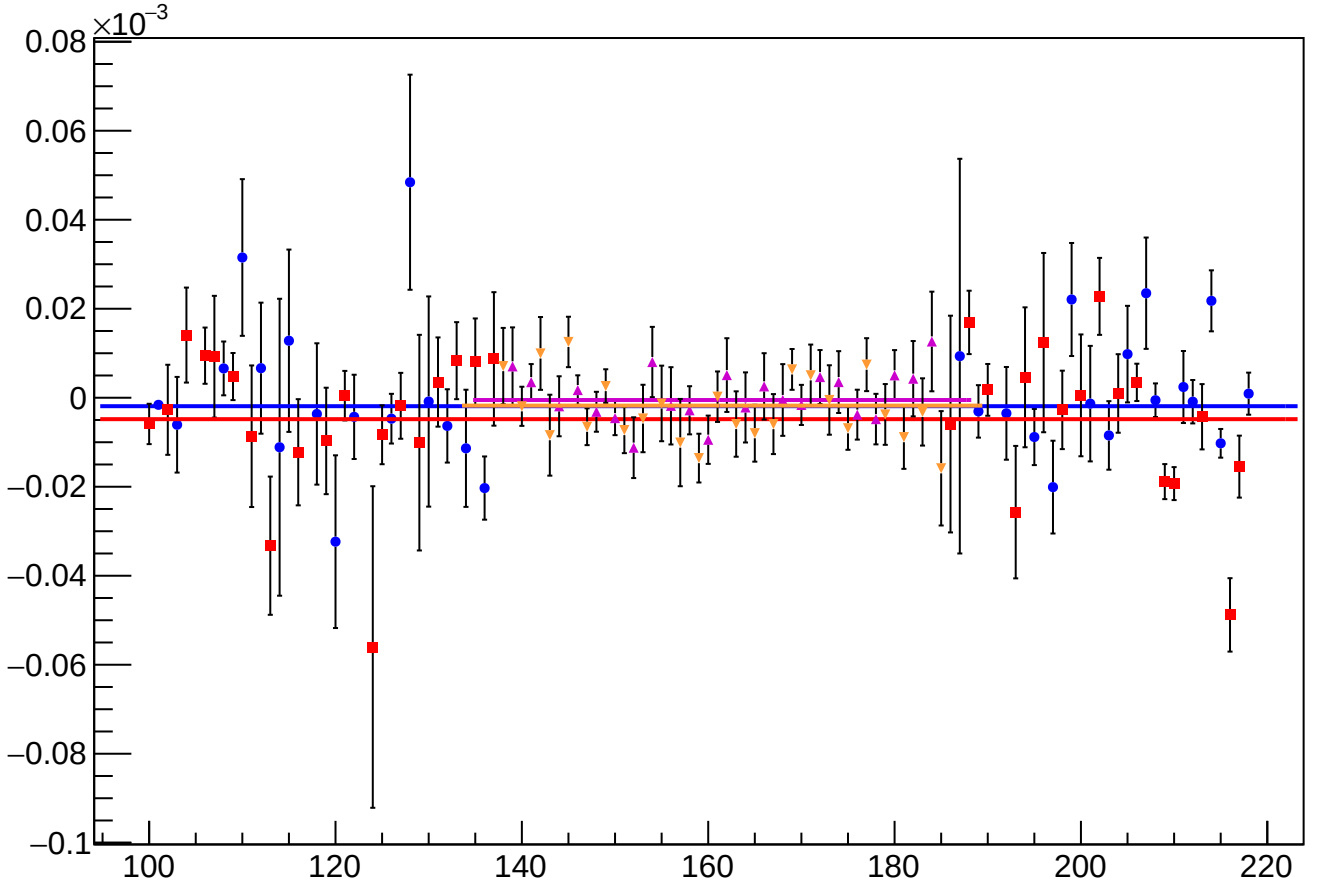
Right Out: 98.509+/-0.016 χ^2/NDF: 1852747.2/34

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

+ sign 104.526+/-0.012 χ^2/NDF: 3437021.6/56

All: 104.933+/-0.009 χ^2/NDF: 6982904.2/114

- sign 105.353+/-0.013 χ^2/NDF: 3543664.2/57



Right In: -0.000+/-0.000 χ^2/NDF: 54.8/31

Left Out: -0.000+/-0.000 χ^2/NDF:31.1/24

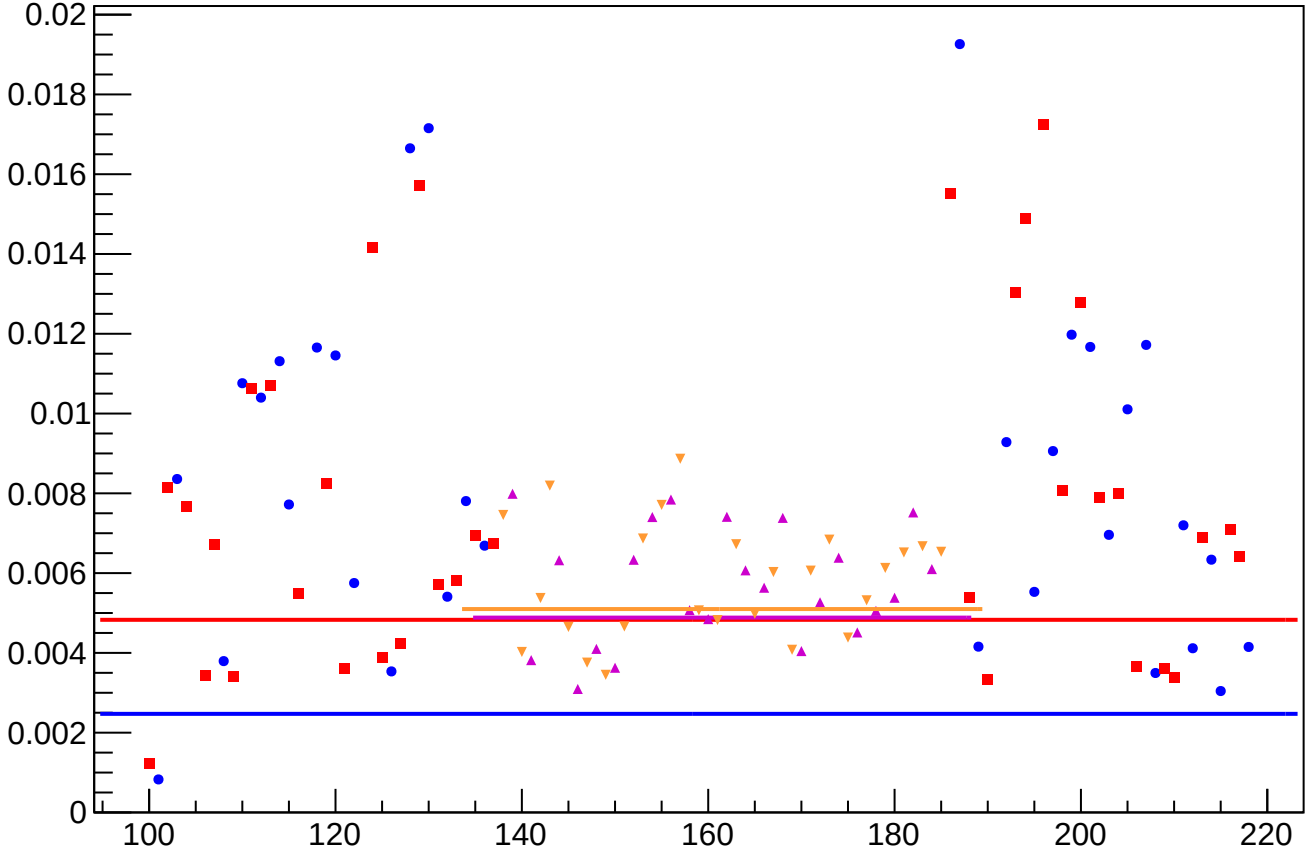
Right Out: -0.000+/-0.000 χ^2/NDF: 112.7/34

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

+ sign -0.000+/-0.000 χ^2/NDF: 85.8/56

All: -0.000+/-0.000 χ^2/NDF: 220.6/114

- sign -0.000+/-0.000 χ^2/NDF: 134.4/57



Right In: 0.002+/-0.000 χ^2/NDF: 20565963.0/31

Left Out: 0.005+/-0.000 χ^2/NDF:2378649.6/24

Right Out: 0.005+/-0.000 χ^2/NDF: 8719130.3/34

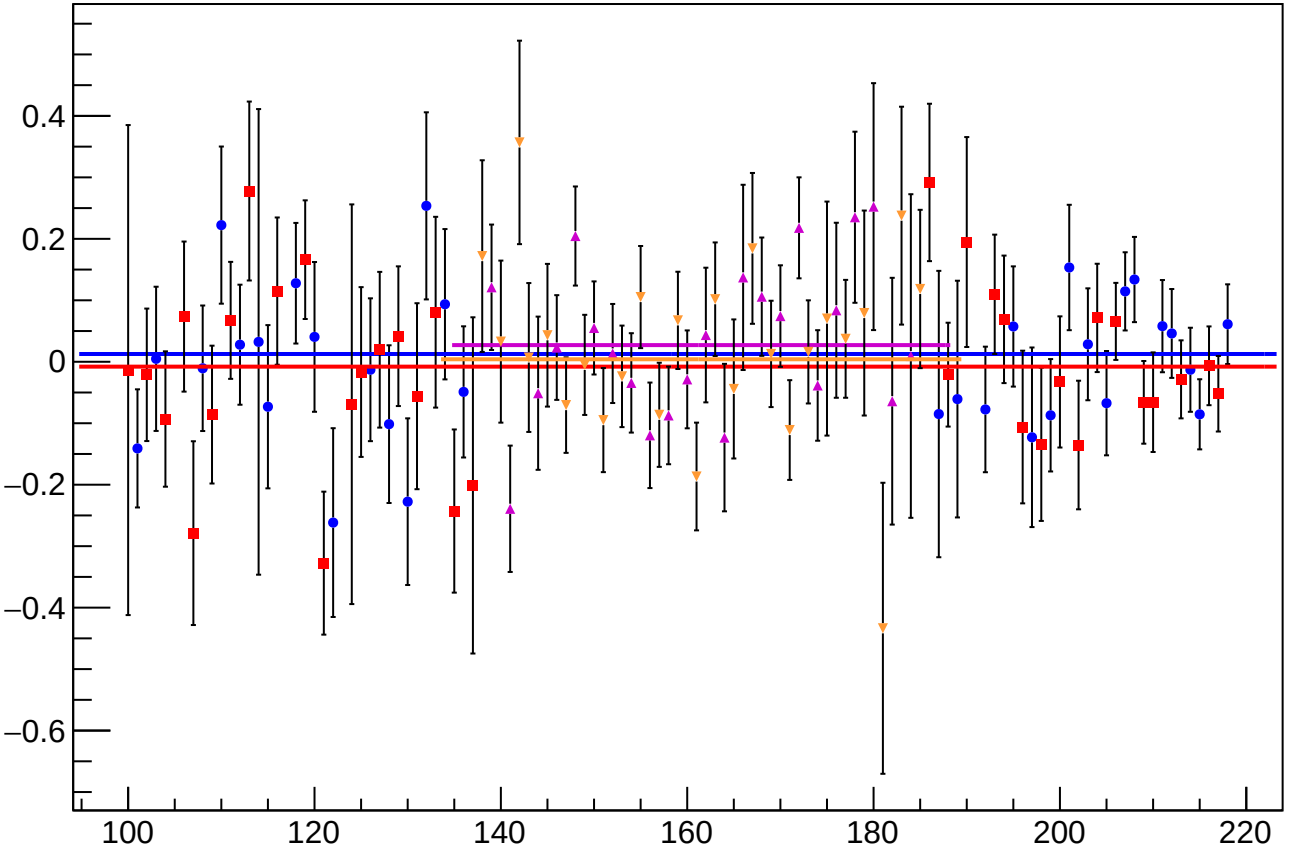
Left In: 0.005+/-0.000 χ^2/NDF:2725463.9/22

+ sign 0.003+/-0.000 χ^2/NDF: 29358817.7/56

All: 0.004+/-0.000 χ^2/NDF: 44749600.3/114

- sign 0.005+/-0.000 χ^2/NDF: 11446617.4/57

asym_usr_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.013+/-0.017 χ^2/NDF: 33.7/31

Left Out: 0.004+/-0.020 χ^2/NDF:28.2/24

Right Out: -0.008+/-0.017 χ^2/NDF: 41.7/34

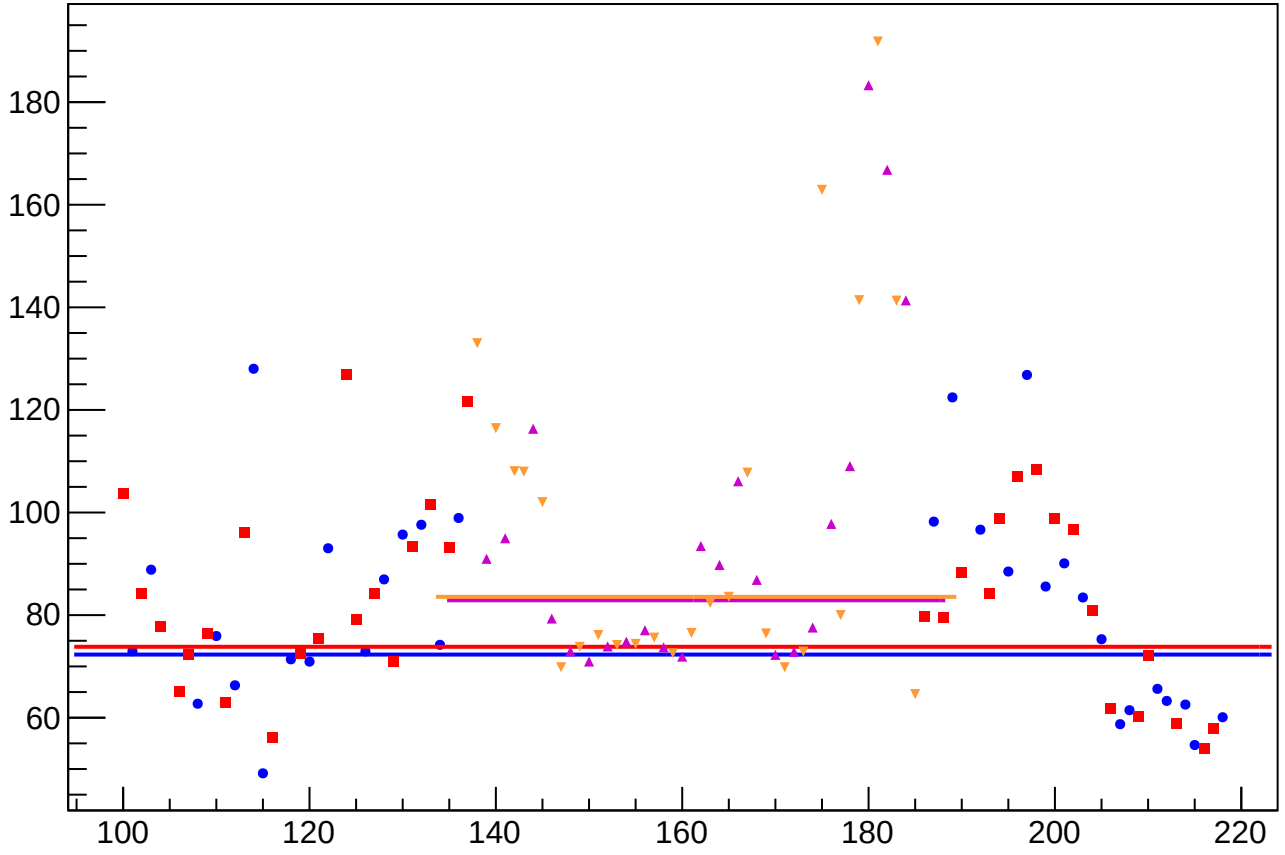
Left In: 0.027+/-0.021 χ^2/NDF:32.0/22

+ sign 0.009+/-0.013 χ^2/NDF: 61.9/56

All: 0.008+/-0.009 χ^2/NDF: 137.3/114

- sign 0.006+/-0.013 χ^2/NDF: 75.4/57

asym_usr_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 72.312+/-0.012 χ^2/NDF: 1705799.2/31

Left Out: 83.565+/-0.014 χ^2/NDF:2172921.0/24

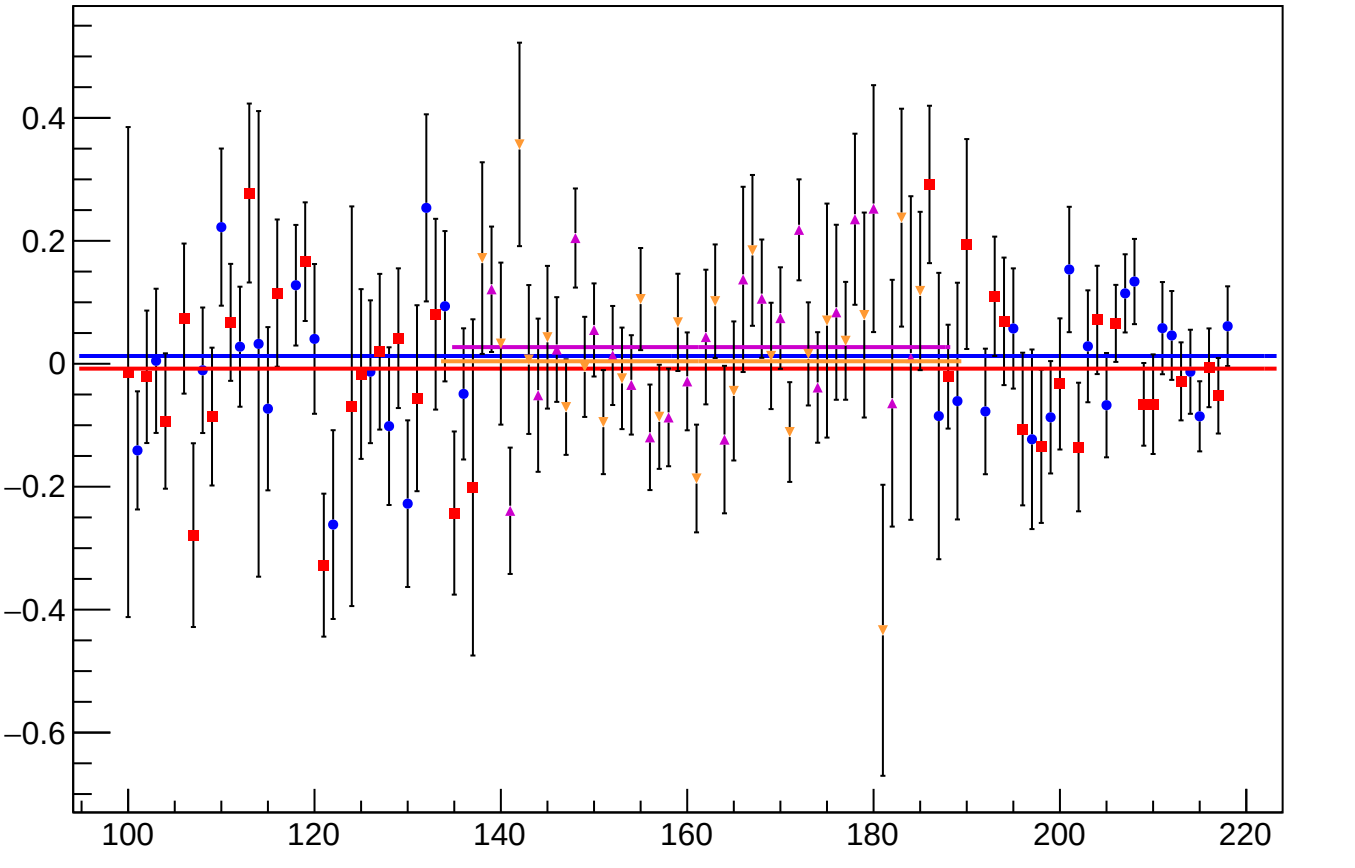
Right Out: 73.828+/-0.012 χ^2/NDF: 1708094.5/34

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

+ sign 76.951+/-0.009 χ^2/NDF: 4239837.2/56

All: 77.250+/-0.007 χ^2/NDF: 7752058.0/114

- sign 77.556+/-0.009 χ^2/NDF: 3510088.1/57



Right In: 0.013+/-0.017 χ^2/NDF: 33.7/31

Left Out: 0.004+/-0.020 χ^2/NDF:28.2/24

Right Out: -0.008+/-0.017 χ^2/NDF: 41.7/34

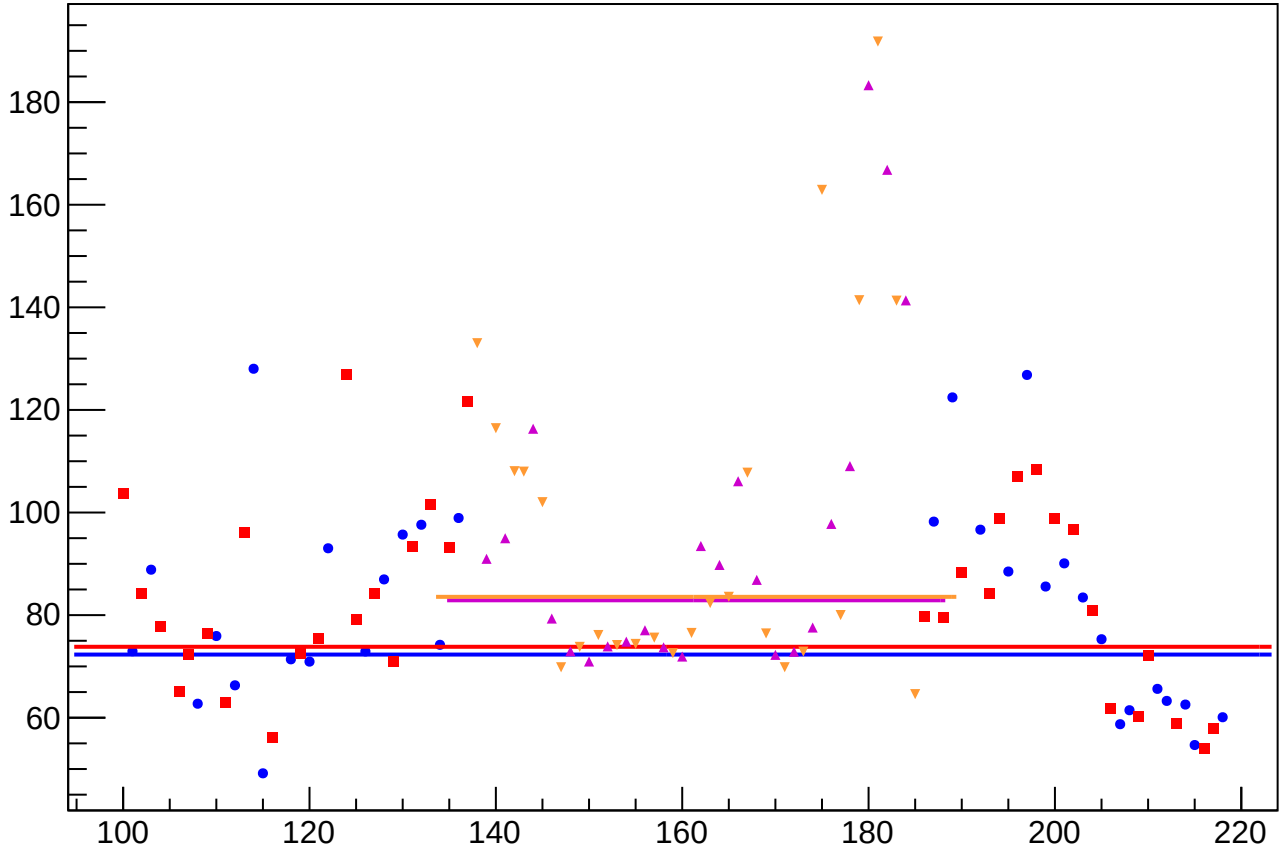
Left In: 0.027+/-0.021 χ^2/NDF:32.0/22

+ sign 0.009+/-0.013 χ^2/NDF: 61.9/56

All: 0.008+/-0.009 χ^2/NDF: 137.3/114

- sign 0.006+/-0.013 χ^2/NDF: 75.4/57

asym_usr_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 72.312+/-0.012 χ^2/NDF: 1705799.2/31

Left Out: 83.565+/-0.014 χ^2/NDF:2172921.0/24

Right Out: 73.828+/-0.012 χ^2/NDF: 1708094.5/34

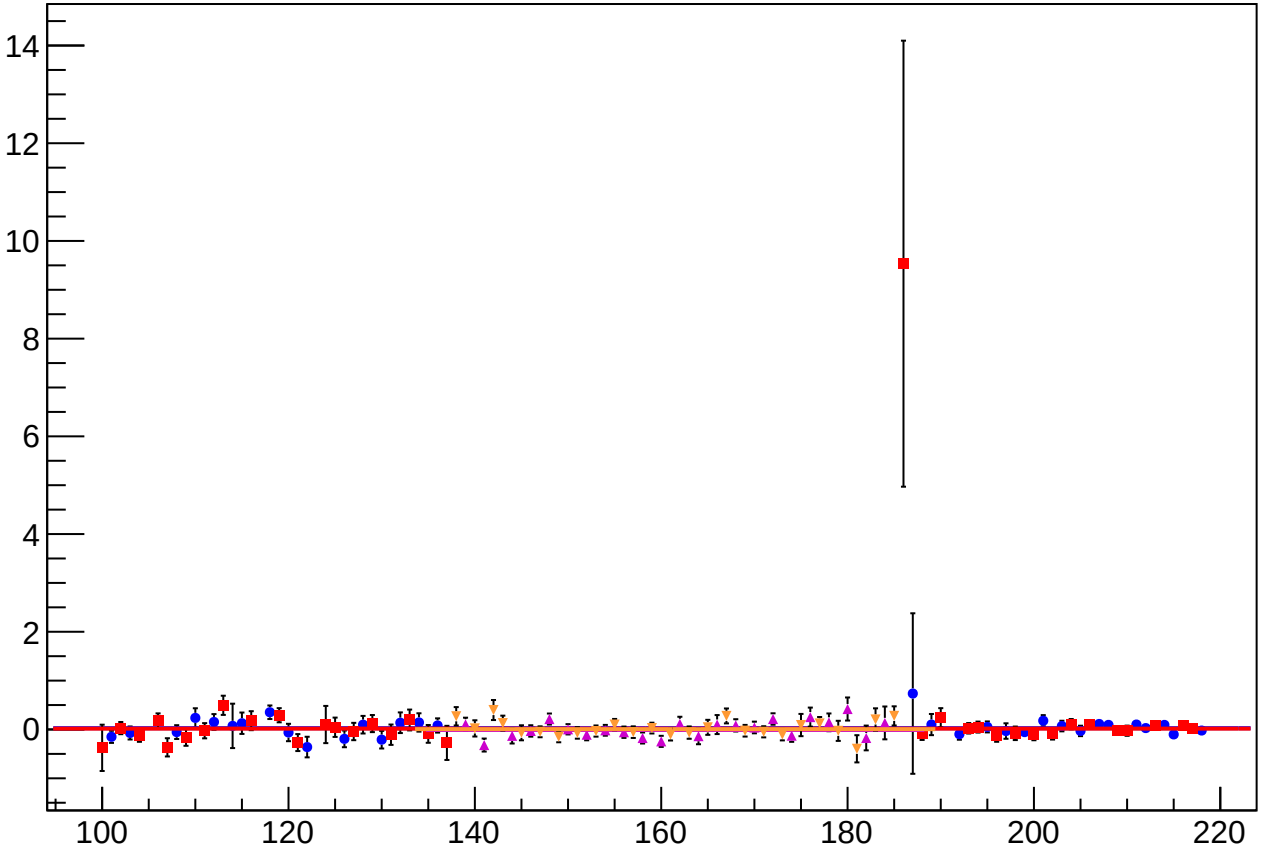
Left In: 82.891+/-0.015 χ^2/NDF:1572981.0/22

+ sign 76.951+/-0.009 χ^2/NDF: 4239837.2/56

All: 77.250+/-0.007 χ^2/NDF: 7752058.0/114

- sign 77.556+/-0.009 χ^2/NDF: 3510088.1/57

asym_usr_eigen_dit_vs_overload_cor_diff_mean vs Slug



Right In: 0.026+/-0.022 χ^2/NDF: 28.3/31

Left Out: 0.006+/-0.028 χ^2/NDF:21.3/24

Right Out: 0.017+/-0.023 χ^2/NDF: 37.0/34

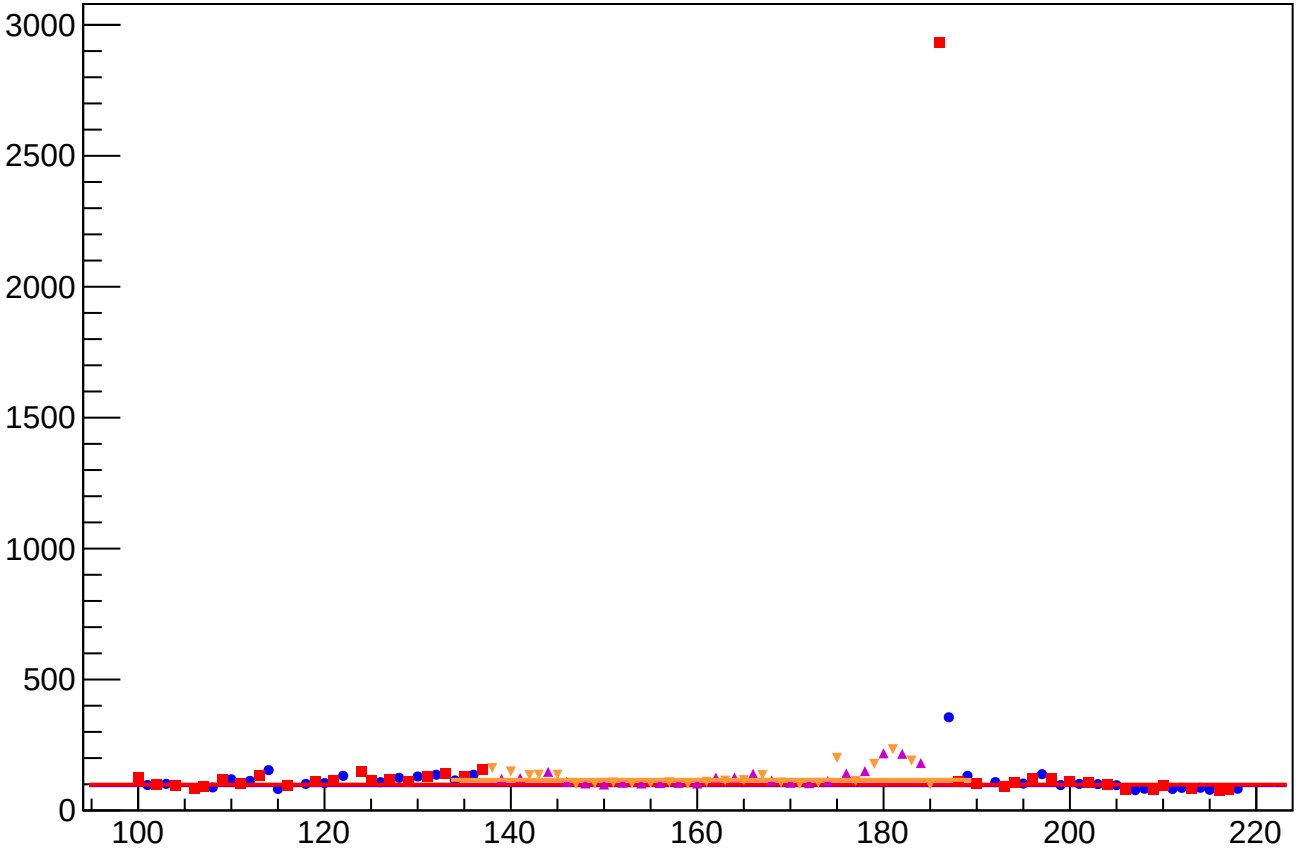
Left In: -0.010+/-0.028 χ^2/NDF:31.3/22

+ sign 0.018+/-0.017 χ^2/NDF: 50.0/56

All: 0.012+/-0.012 χ^2/NDF: 119.0/114

- sign 0.006+/-0.018 χ^2/NDF: 68.9/57

asym_usr_eigen_dit_vs_overload_cor_diff_rms vs Slug



Right In: 96.508+/-0.016 χ^2/NDF: 1186864.5/31

Left Out: 116.880+/-0.020 χ^2/NDF:1596928.7/24

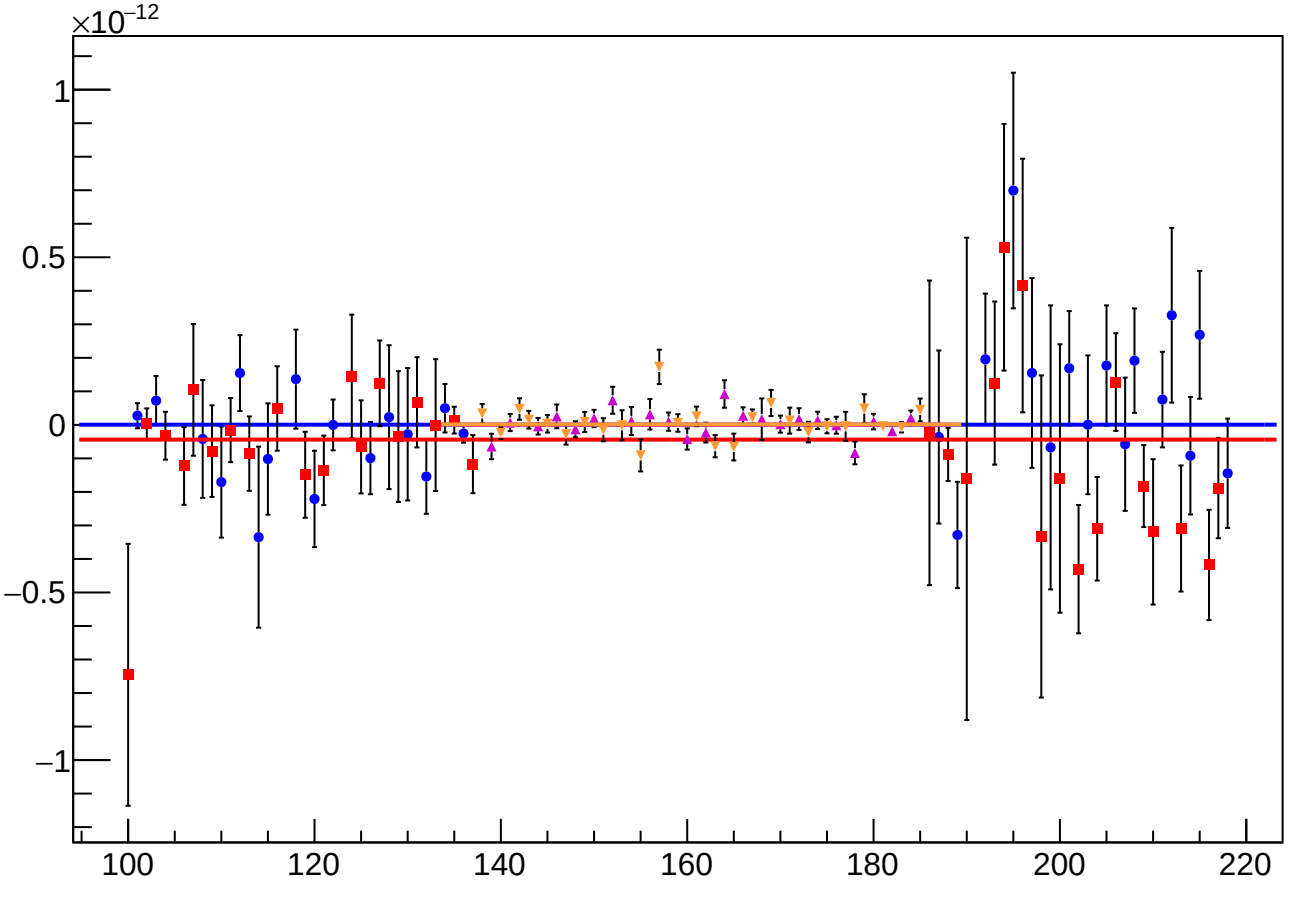
Right Out: 98.508+/-0.016 χ^2/NDF: 1852676.4/34

Left In: 115.858+/-0.020 χ^2/NDF:1231371.8/22

+ sign 104.526+/-0.012 χ^2/NDF: 3436884.5/56

All: 104.933+/-0.009 χ^2/NDF: 6982710.1/114

- sign 105.353+/-0.013 χ^2/NDF: 3543609.8/57



Right In: 0.000+/-0.000 χ^2/NDF: 31.8/31

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

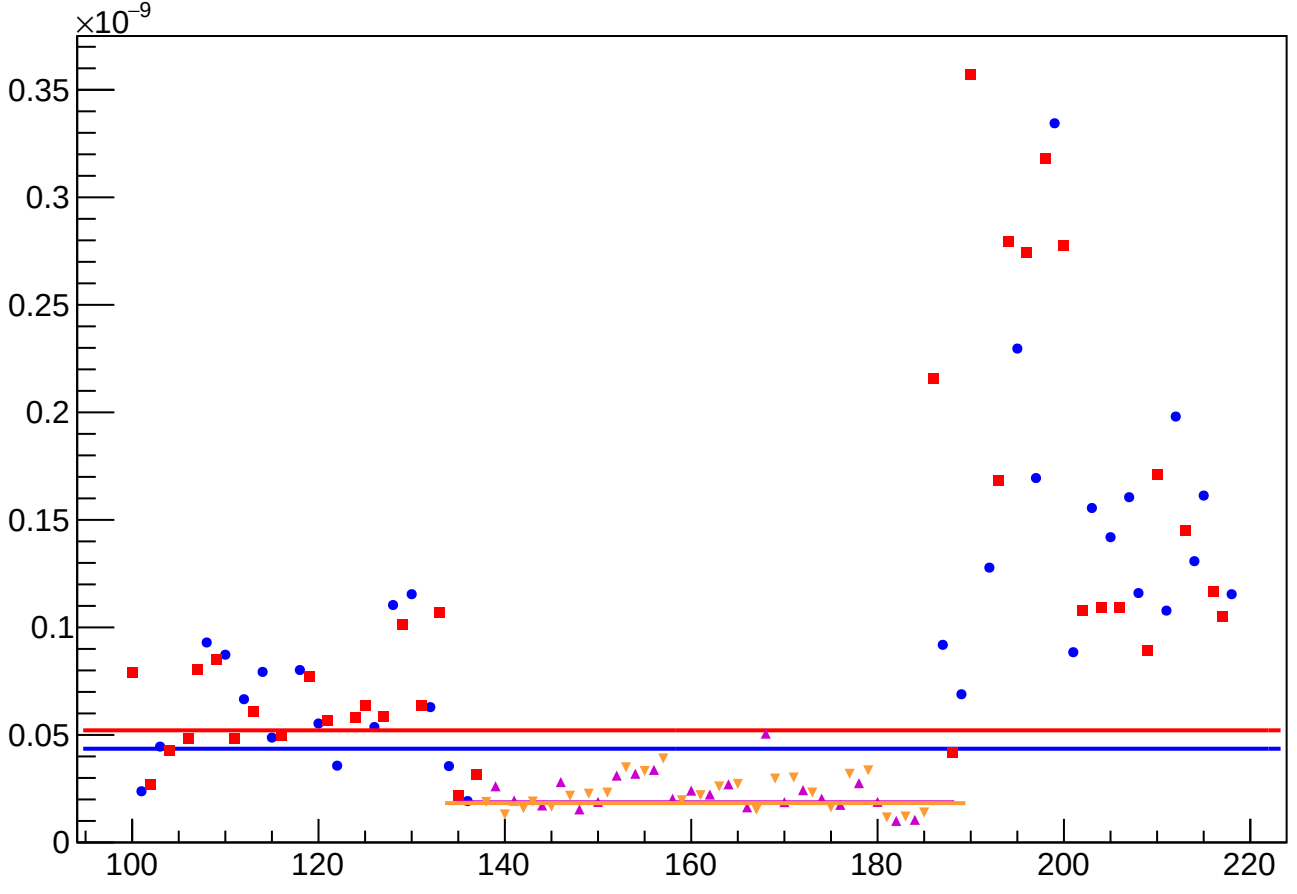
Right Out: -0.000+/-0.000 χ^2/NDF: 38.5/34

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

+ sign 0.000+/-0.000 χ^2/NDF: 68.4/56

All: -0.000+/-0.000 χ^2/NDF: 139.1/114

- sign -0.000+/-0.000 χ^2/NDF: 70.3/57



Right In: 0.000+/-0.000 χ^2/NDF: 10882053.7/31

Left Out: 0.000+/-0.000 χ^2/NDF:3029080.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8888311.4/34

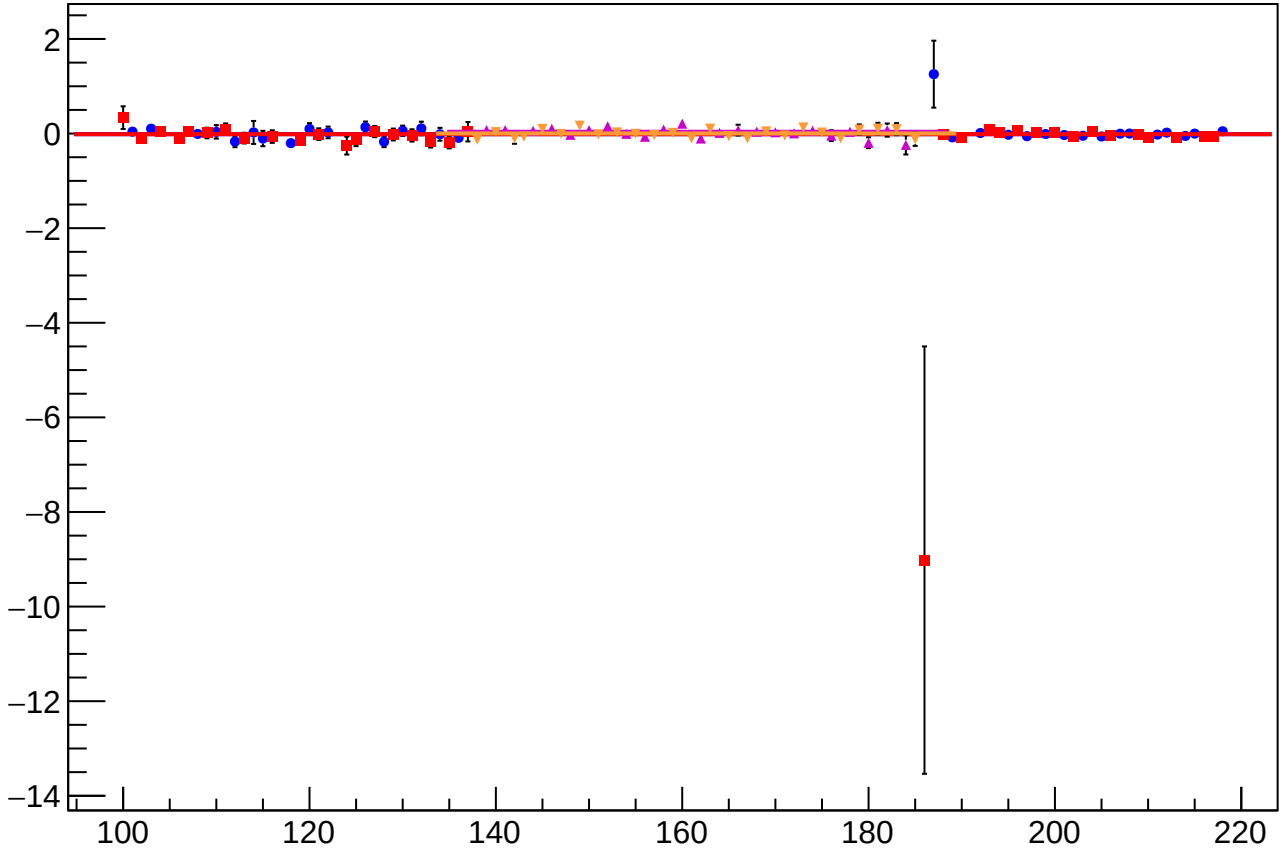
Left In: 0.000+/-0.000 χ^2/NDF:2908977.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 18011913.8/56

All: 0.000+/-0.000 χ^2/NDF: 35513195.8/114

- sign 0.000+/-0.000 χ^2/NDF: 17482709.3/57

asym_usr_overload_cor_vs_cor_diff_mean vs Slug



Right In: -0.013+/-0.012 χ^2/NDF: 26.2/31

Left Out: 0.003+/-0.017 χ^2/NDF:21.5/24

Right Out: -0.013+/-0.011 χ^2/NDF: 41.0/34

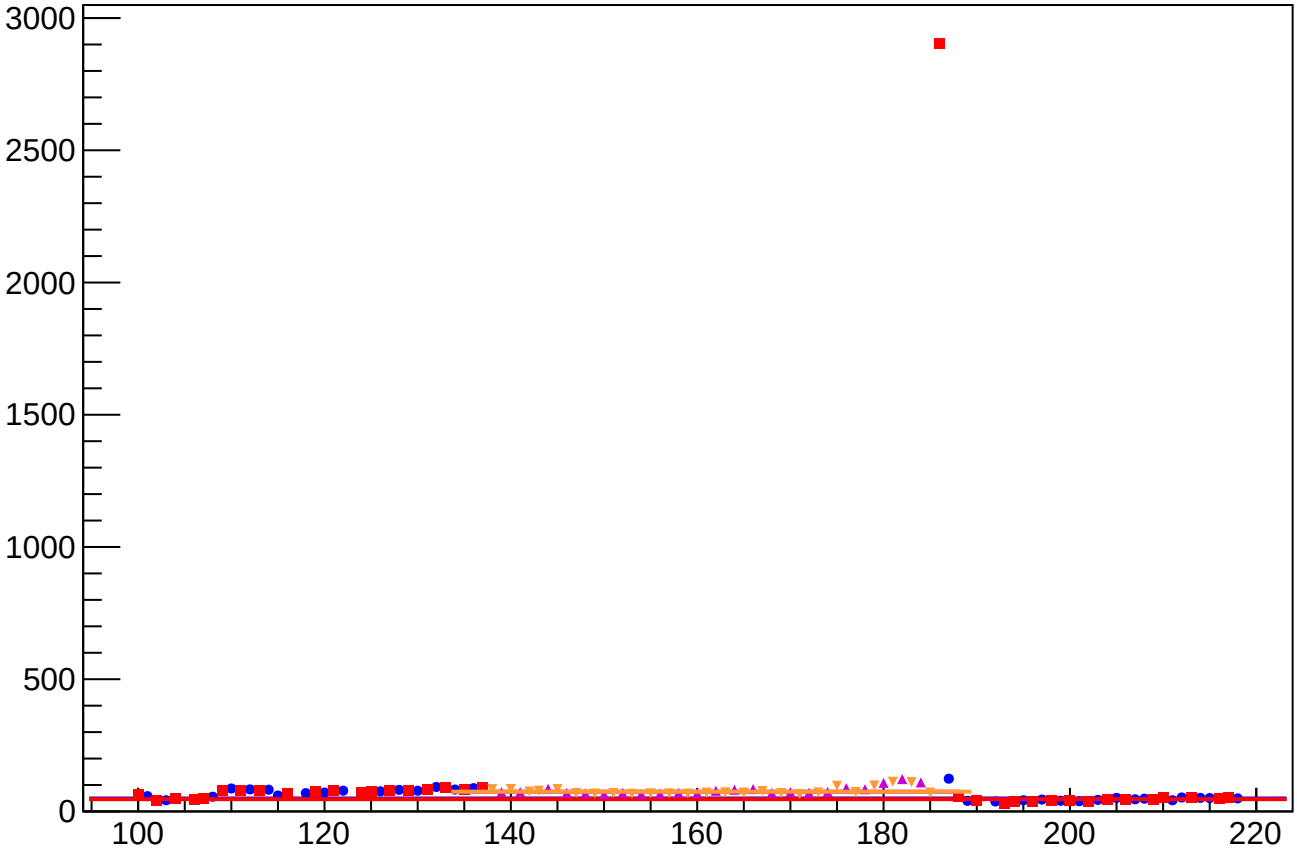
Left In: 0.038+/-0.018 χ^2/NDF:21.6/22

+ sign -0.008+/-0.010 χ^2/NDF: 48.3/56

All: -0.004+/-0.007 χ^2/NDF: 117.5/114

- sign 0.001+/-0.009 χ^2/NDF: 68.7/57

asym_usr_overload_cor_vs_cor_diff_rms vs Slug



Right In: 48.955+/-0.008 χ^2/NDF: 2299331.2/31

Left Out: 74.749+/-0.012 χ^2/NDF:744366.0/24

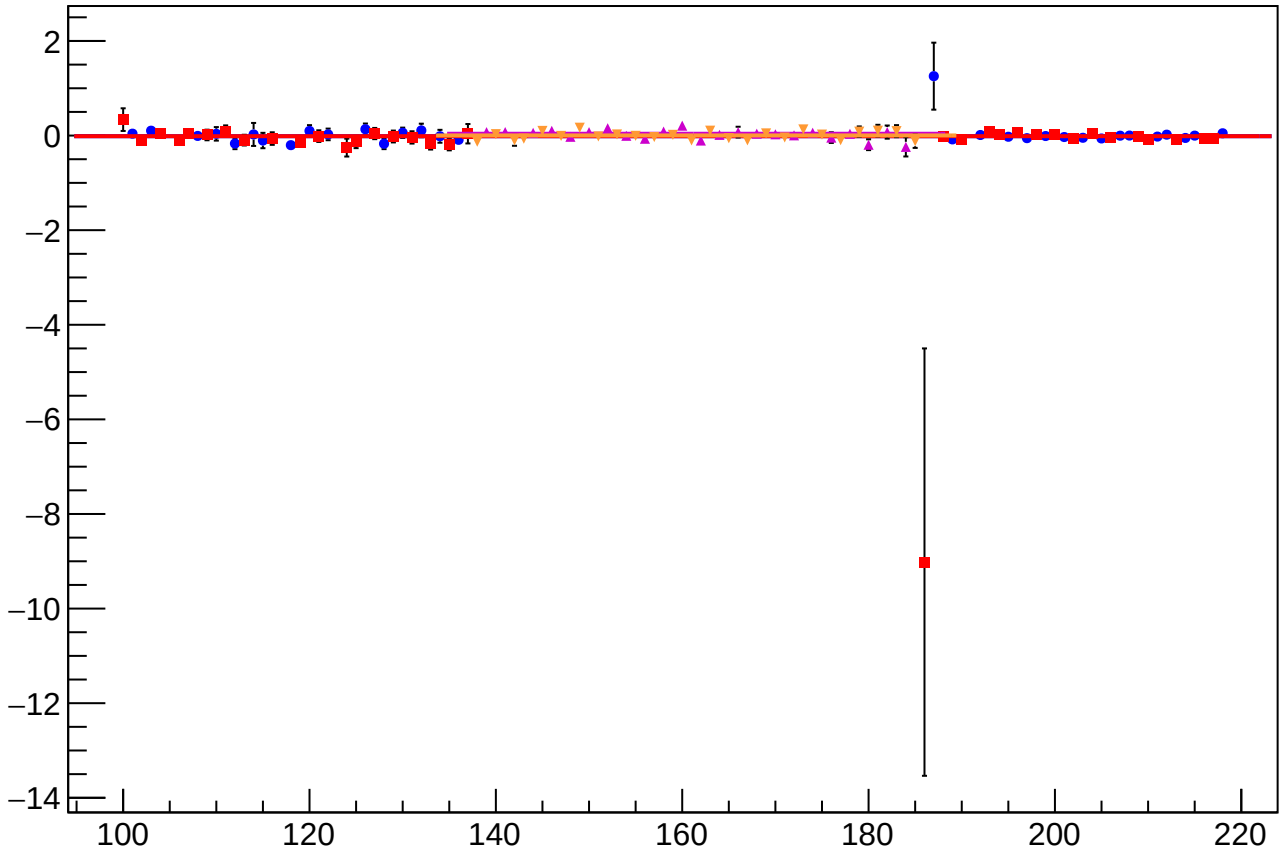
Right Out: 46.496+/-0.008 χ^2/NDF: 3693033.3/34

Left In: 74.601+/-0.013 χ^2/NDF:713751.1/22

+ sign 56.842+/-0.007 χ^2/NDF: 6085874.0/56

All: 55.590+/-0.005 χ^2/NDF: 14115907.6/114

- sign 54.381+/-0.007 χ^2/NDF: 7963654.5/57



Right In: -0.013+/-0.012 χ^2/NDF: 26.2/31

Left Out: 0.003+/-0.017 χ^2/NDF:21.5/24

Right Out: -0.013+/-0.011 χ^2/NDF: 41.0/34

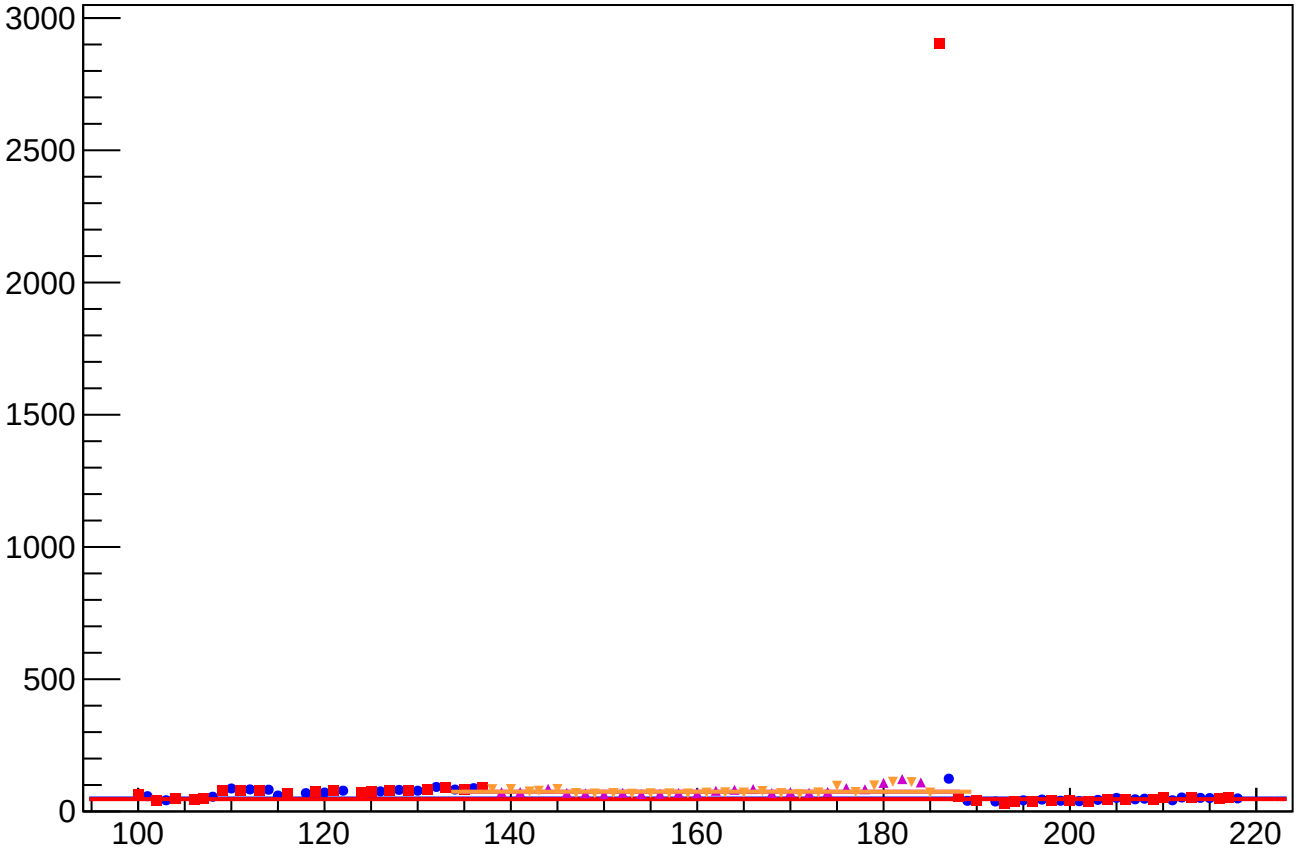
Left In: 0.038+/-0.018 χ^2/NDF:21.6/22

\+ sign -0.008+/-0.010 χ^2/NDF: 48.3/56

All: -0.004+/-0.007 χ^2/NDF: 117.5/114

\- sign 0.001+/-0.009 χ^2/NDF: 68.7/57

asym_usr_overload_cor_vs_eigen_cor_diff_rms vs Slug



Right In: 48.955+/-0.008 χ^2/NDF: 2299331.2/31

Left Out: 74.749+/-0.012 χ^2/NDF:744366.0/24

Right Out: 46.496+/-0.008 χ^2/NDF: 3693033.3/34

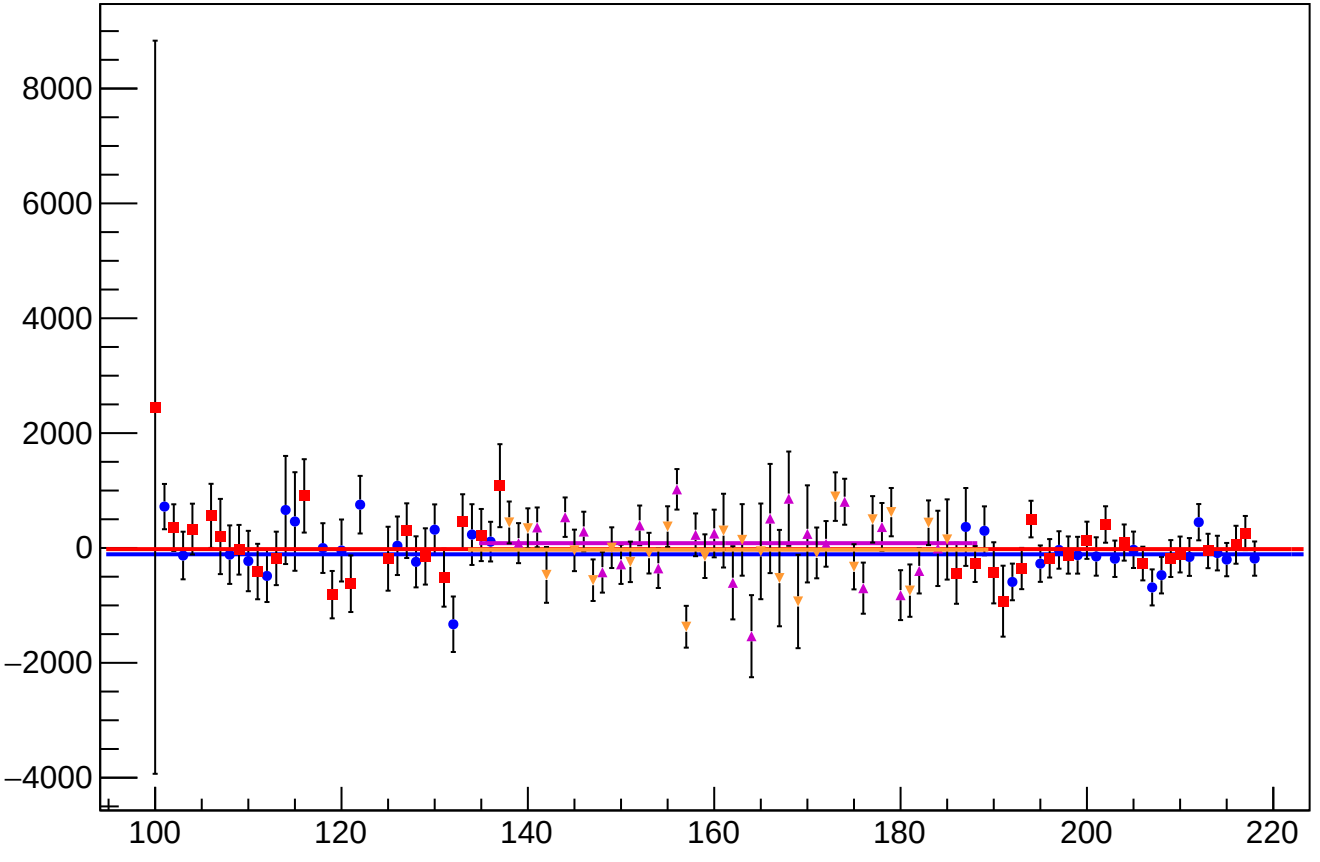
Left In: 74.601+/-0.013 χ^2/NDF:713751.1/22

+ sign 56.842+/-0.007 χ^2/NDF: 6085874.0/56

All: 55.590+/-0.005 χ^2/NDF: 14115907.6/114

- sign 54.381+/-0.007 χ^2/NDF: 7963654.5/57

asym_dsl_mean vs Slug



Right In: -110.039+/-67.582 χ^2/NDF: 29.8/31

Left Out: -29.346+/-86.530 χ^2/NDF:36.6/23

Right Out: -19.651+/-67.561 χ^2/NDF: 28.3/34

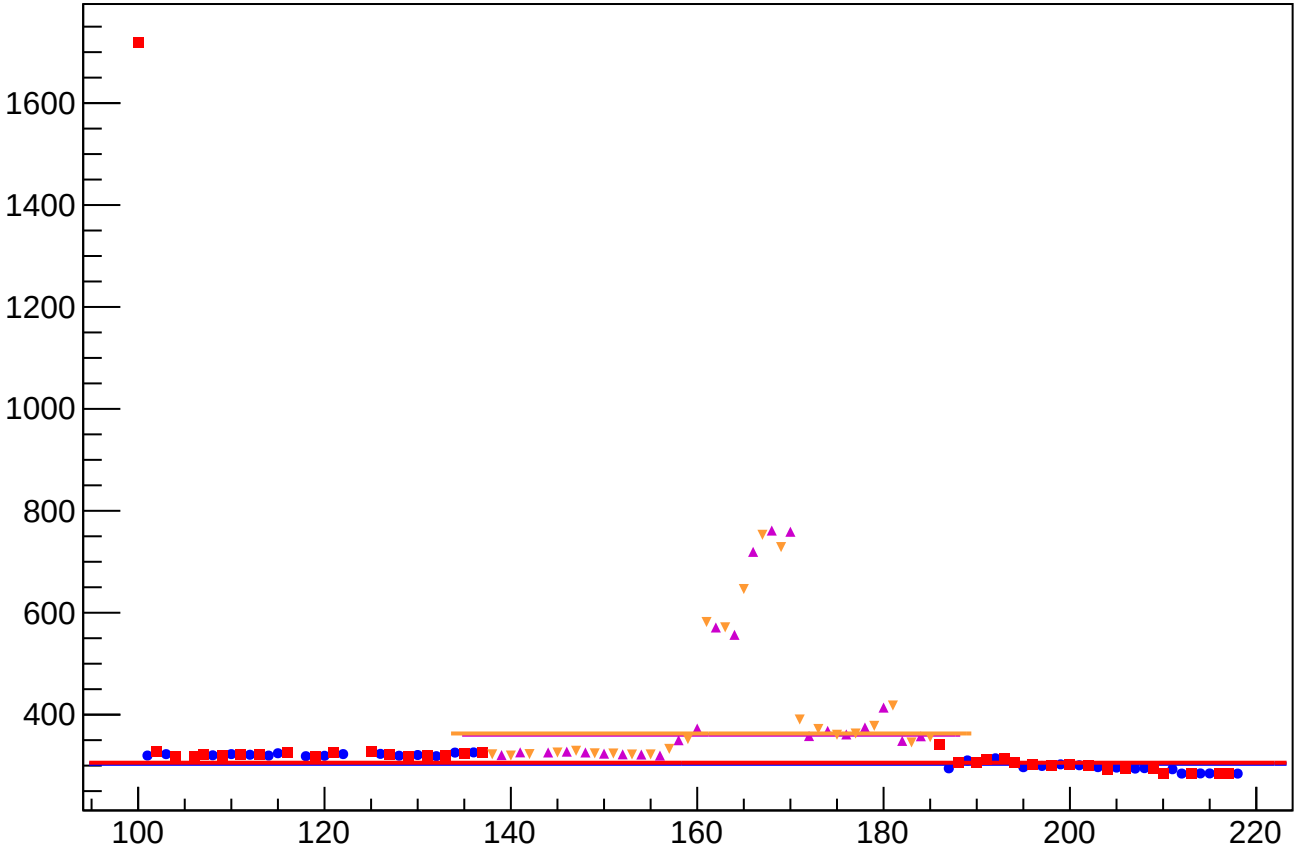
Left In: 83.719+/-86.476 χ^2/NDF:35.8/22

+ sign -79.466+/-53.262 χ^2/NDF: 66.9/55

All: -29.947+/-37.654 χ^2/NDF: 133.6/113

- sign 19.530+/-53.239 χ^2/NDF: 65.0/57

asym_dsl_rms vs Slug



Right In: 303.527+/-0.048 χ^2/NDF: 90111.1/31

Left Out: 363.079+/-0.061 χ^2/NDF:1795570.0/23

Right Out: 305.707+/-0.048 χ^2/NDF: 194302.7/34

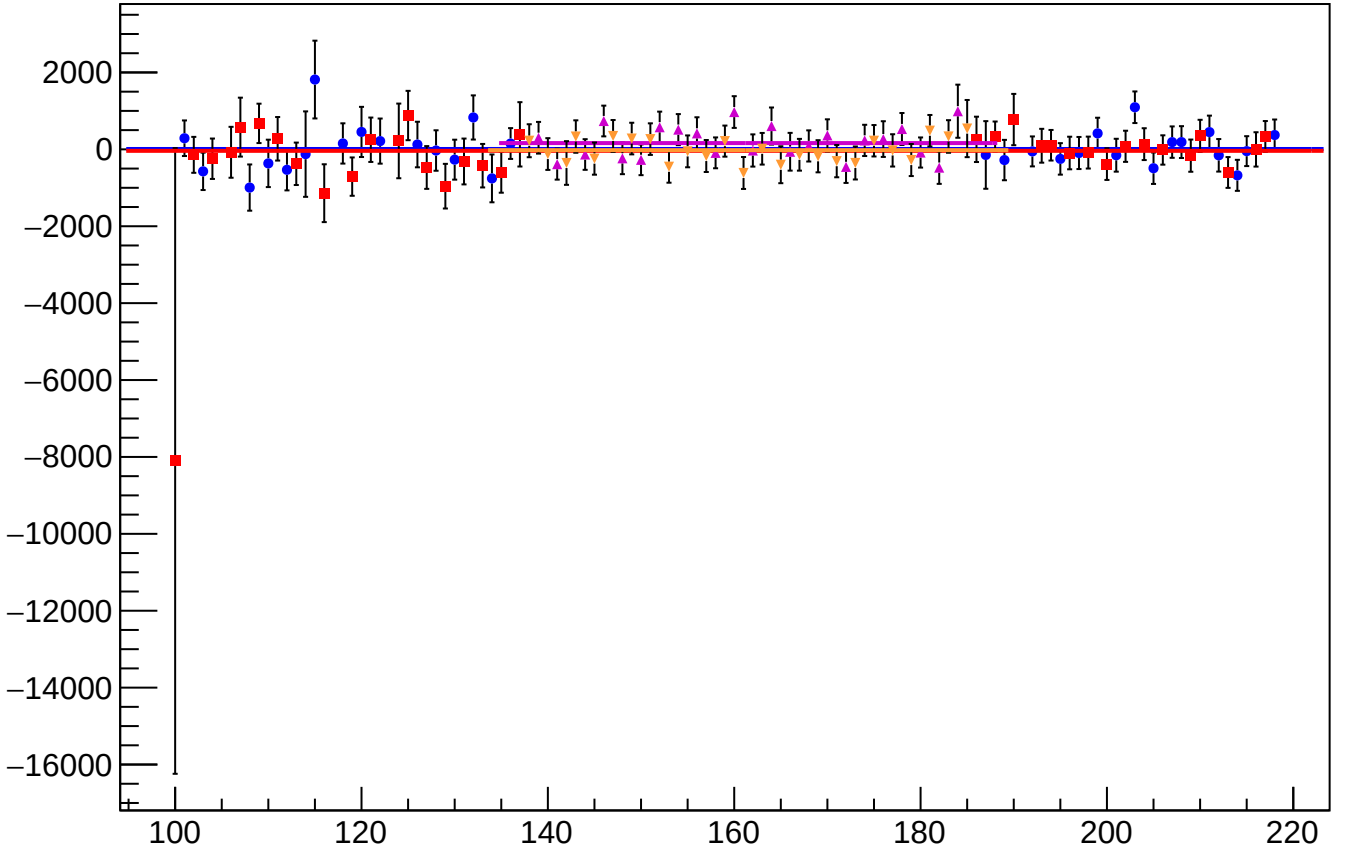
Left In: 360.585+/-0.061 χ^2/NDF:1817691.0/22

+ sign 326.091+/-0.038 χ^2/NDF: 2474065.3/55

All: 326.299+/-0.027 χ^2/NDF: 4986279.2/113

- sign 326.508+/-0.038 χ^2/NDF: 2512152.5/57

asym_dsr_mean vs Slug



Right In: 9.417+/-84.859 χ^2/NDF: 29.6/31

Left Out: -21.061+/-85.620 χ^2/NDF:12.6/24

Right Out: -38.814+/-84.548 χ^2/NDF: 23.6/34

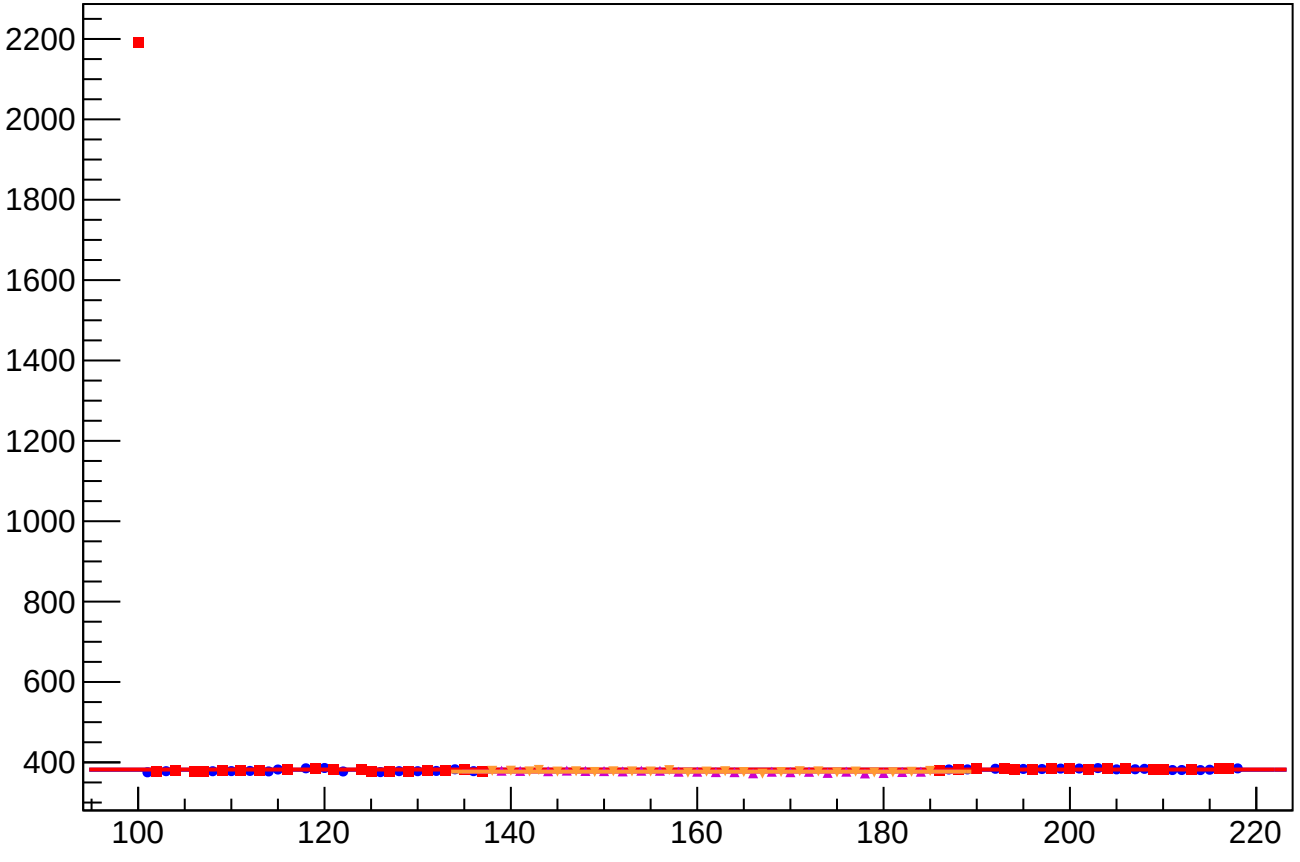
Left In: 162.992+/-87.991 χ^2/NDF:21.8/22

+ sign -5.686+/-60.272 χ^2/NDF: 42.2/56

All: 25.824+/-42.862 χ^2/NDF: 90.9/114

- sign 58.062+/-60.965 χ^2/NDF: 48.1/57

asym_dsr_rms vs Slug



Right In: 381.594+/-0.060 χ^2/NDF: 2399.5/31

Left Out: 376.906+/-0.061 χ^2/NDF:1058.3/24

Right Out: 382.137+/-0.060 χ^2/NDF: 100800.7/34

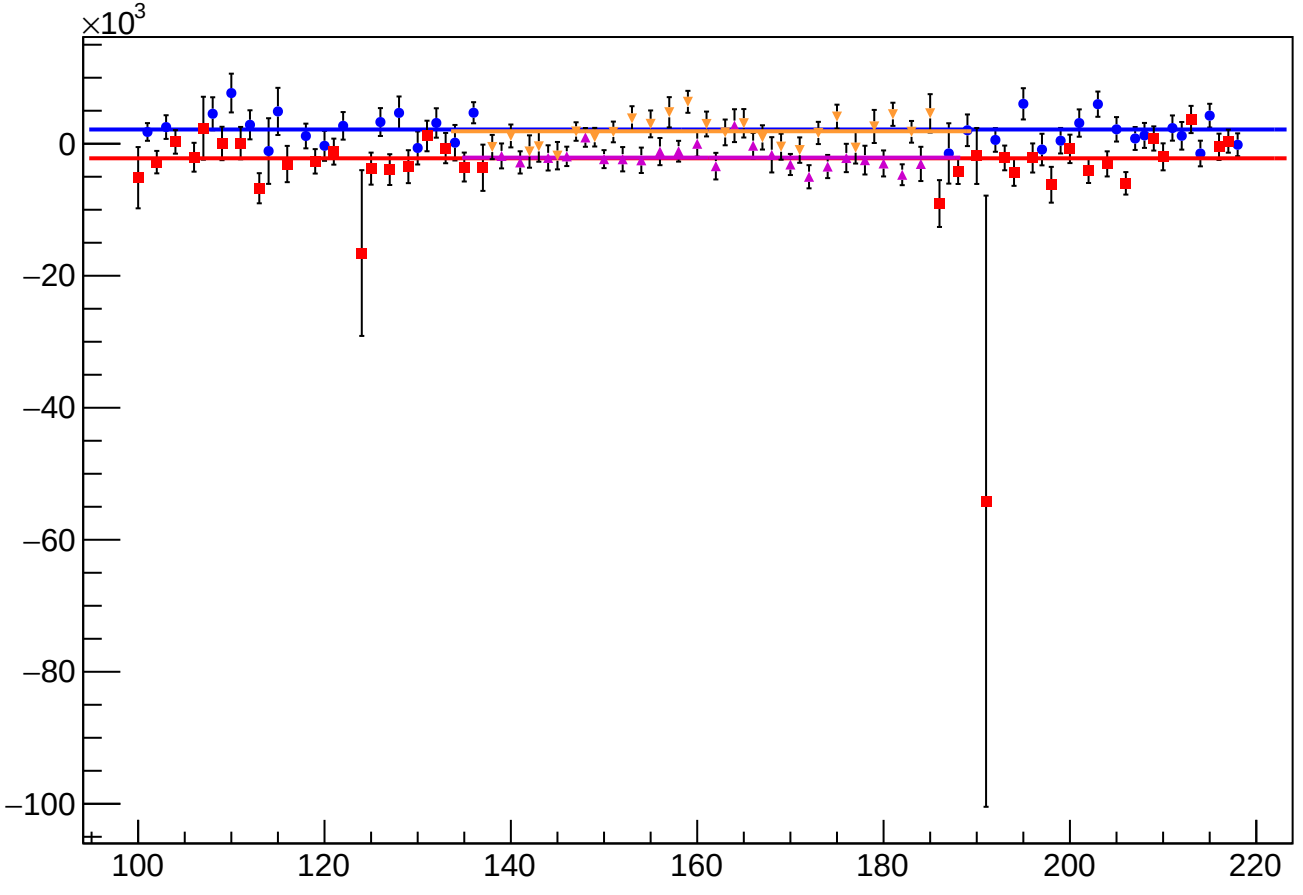
Left In: 376.846+/-0.062 χ^2/NDF:1074.1/22

+ sign 379.271+/-0.043 χ^2/NDF: 6483.0/56

All: 379.432+/-0.030 χ^2/NDF: 112146.7/114

- sign 379.597+/-0.043 χ^2/NDF: 105634.8/57

asym_us_agg_avg_mean vs Slug



Right In: 2158.357+/-366.922 χ^2/NDF: 31.5/31

Left Out: 1891.201+/-375.290 χ^2/NDF:28.4/24

Right Out: -2208.092+/-375.919 χ^2/NDF: 44.7/35

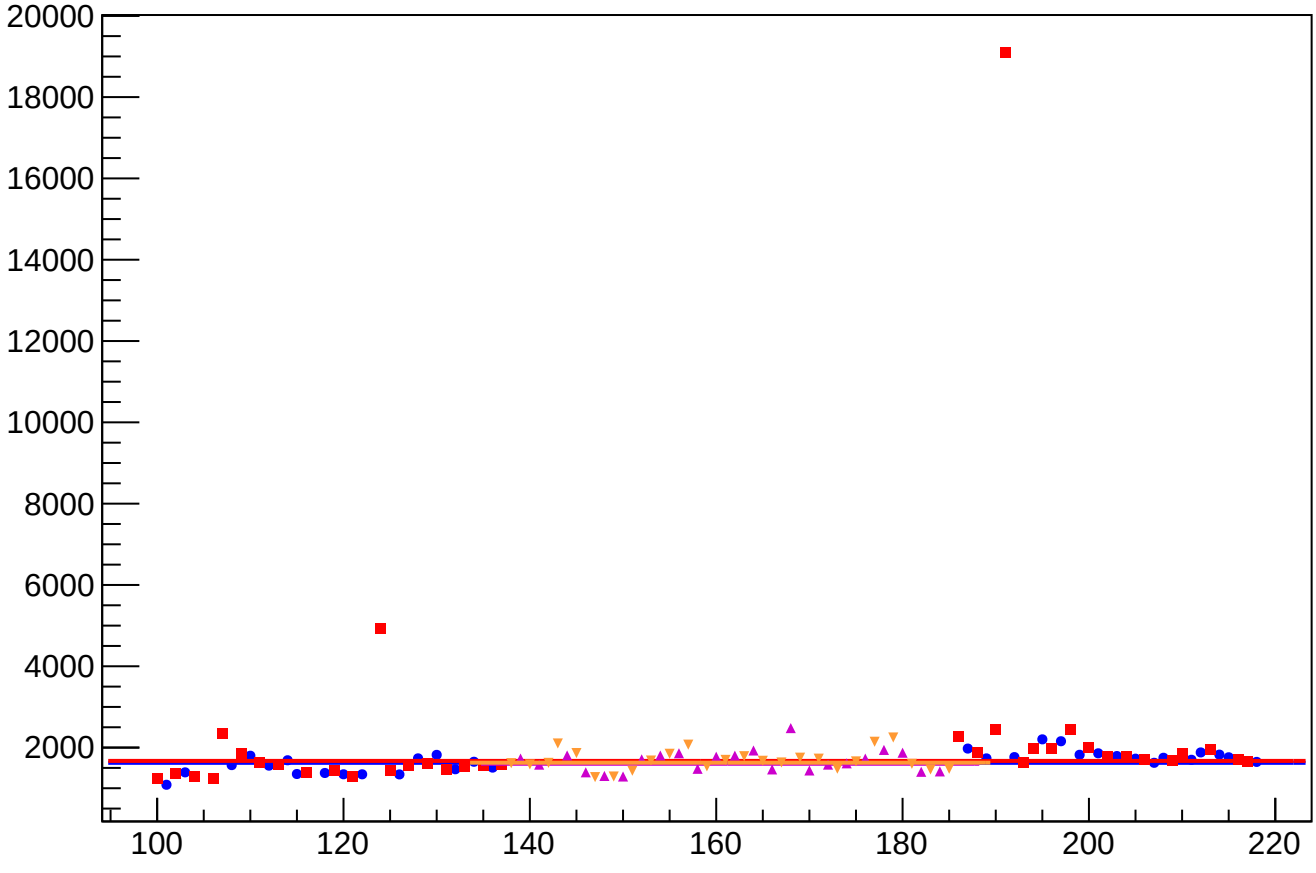
Left In: -2105.415+/-379.051 χ^2/NDF:18.6/22

+ sign 2027.791+/-262.361 χ^2/NDF: 60.1/56

All: -28.687+/-187.107 χ^2/NDF: 248.5/115

- sign -2157.179+/-266.915 χ^2/NDF: 63.3/58

asym_us_agg_avg_rms vs Slug



Right In: 1625.143+/-0.259 χ^2/NDF: 945886.5/31

Left Out: 1628.479+/-0.265 χ^2/NDF:779094.7/24

Right Out: 1672.470+/-0.266 χ^2/NDF: 1421233.4/35

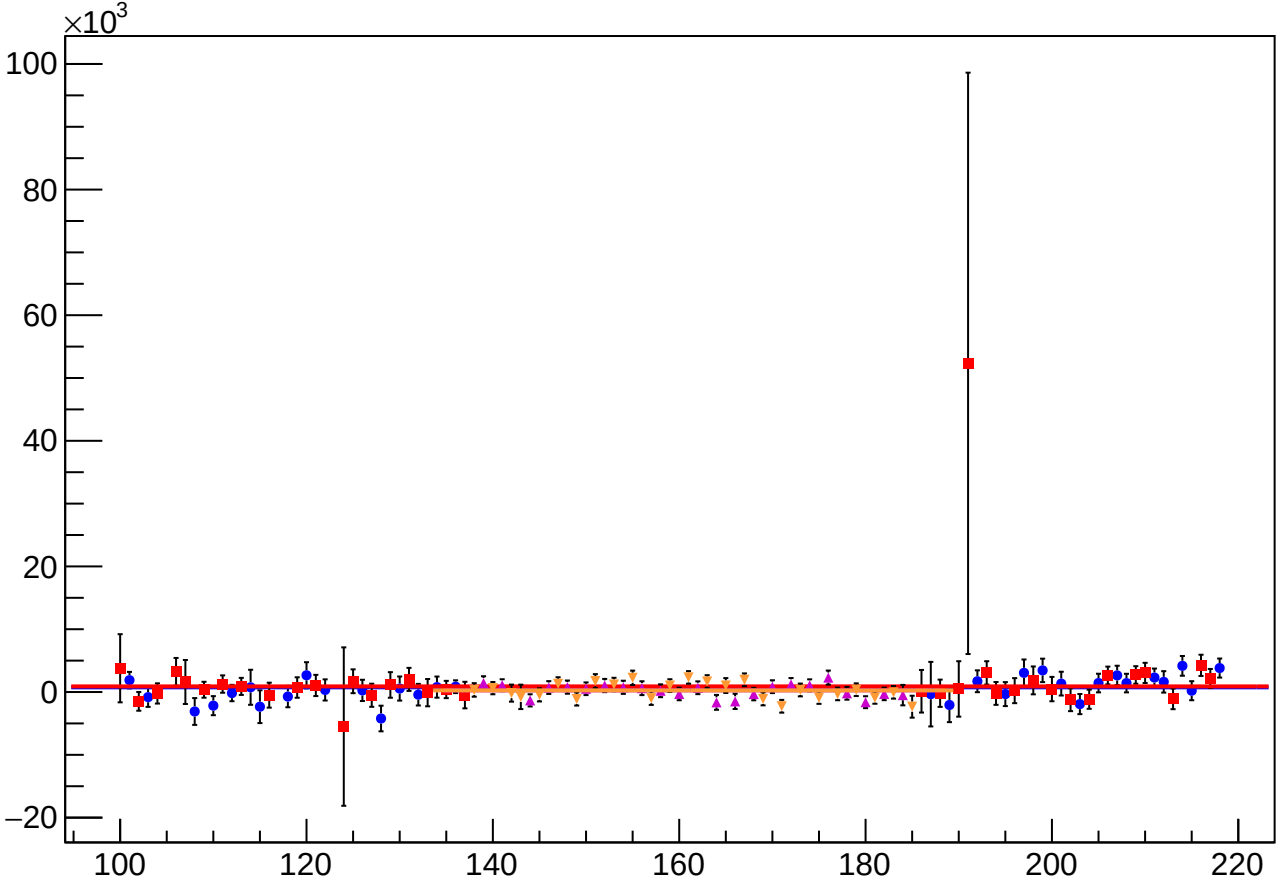
Left In: 1601.496+/-0.268 χ^2/NDF:793722.6/22

+ sign 1626.773+/-0.186 χ^2/NDF: 1725062.0/56

All: 1631.935+/-0.132 χ^2/NDF: 3976942.7/11

- sign 1637.277+/-0.189 χ^2/NDF: 2250305.4/58

asym_us_agg_dd_mean vs Slug



Right In: 746.676+/-296.870 χ^2/NDF: 38.9/31

Left Out: 262.383+/-214.962 χ^2/NDF:33.9/24

Right Out: 895.604+/-303.463 χ^2/NDF: 25.3/35

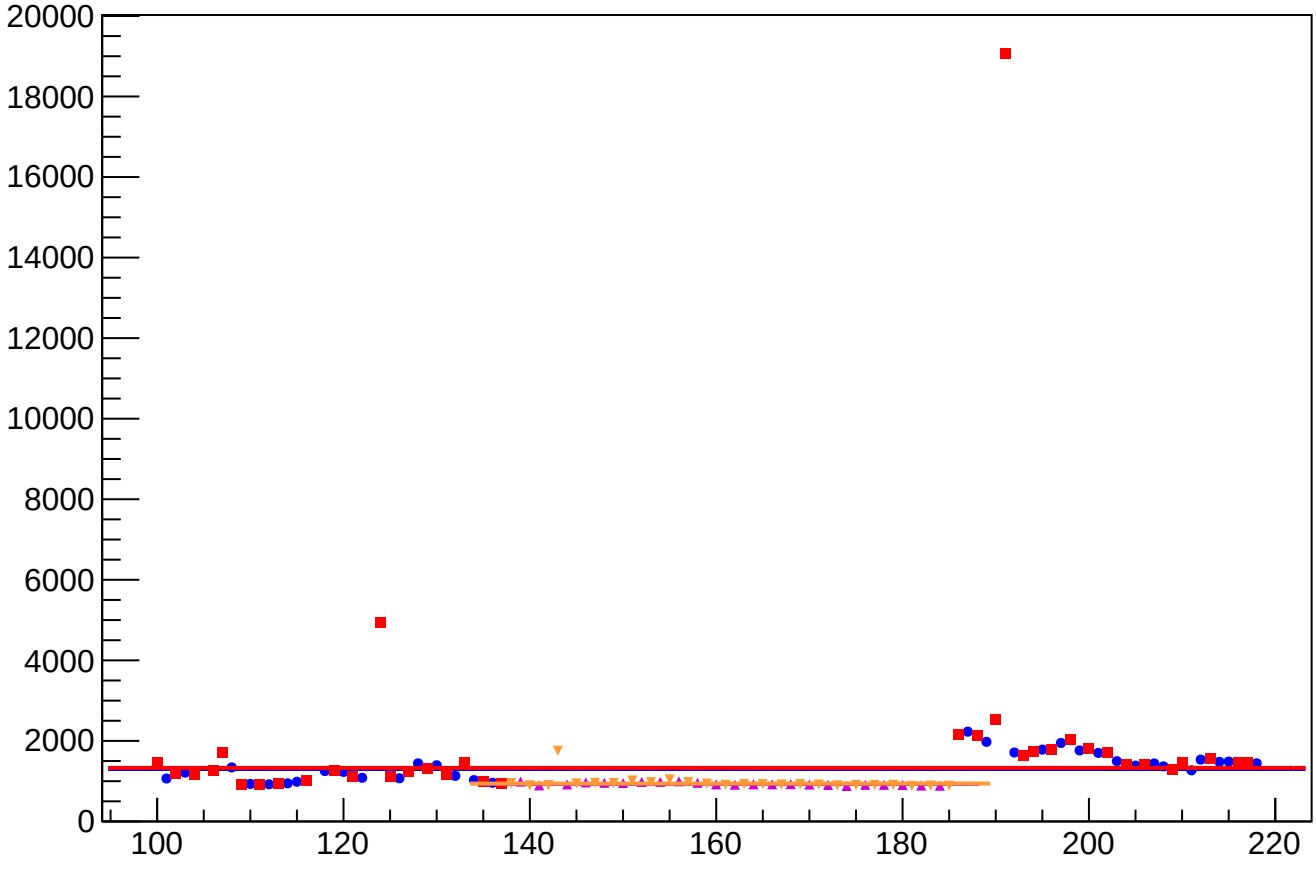
Left In: 267.059+/-217.685 χ^2/NDF:21.4/22

+ sign 428.963+/-174.110 χ^2/NDF: 74.6/56

All: 454.377+/-124.083 χ^2/NDF: 124.1/115

- sign 480.605+/-176.882 χ^2/NDF: 49.5/58

asym_us_agg_dd_rms vs Slug



Right In: 1302.421+/-0.210 χ^2/NDF: 1795155.7/31

Left Out: 941.013+/-0.152 χ^2/NDF:417710.2/24

Right Out: 1329.920+/-0.215 χ^2/NDF: 2724448.4/35

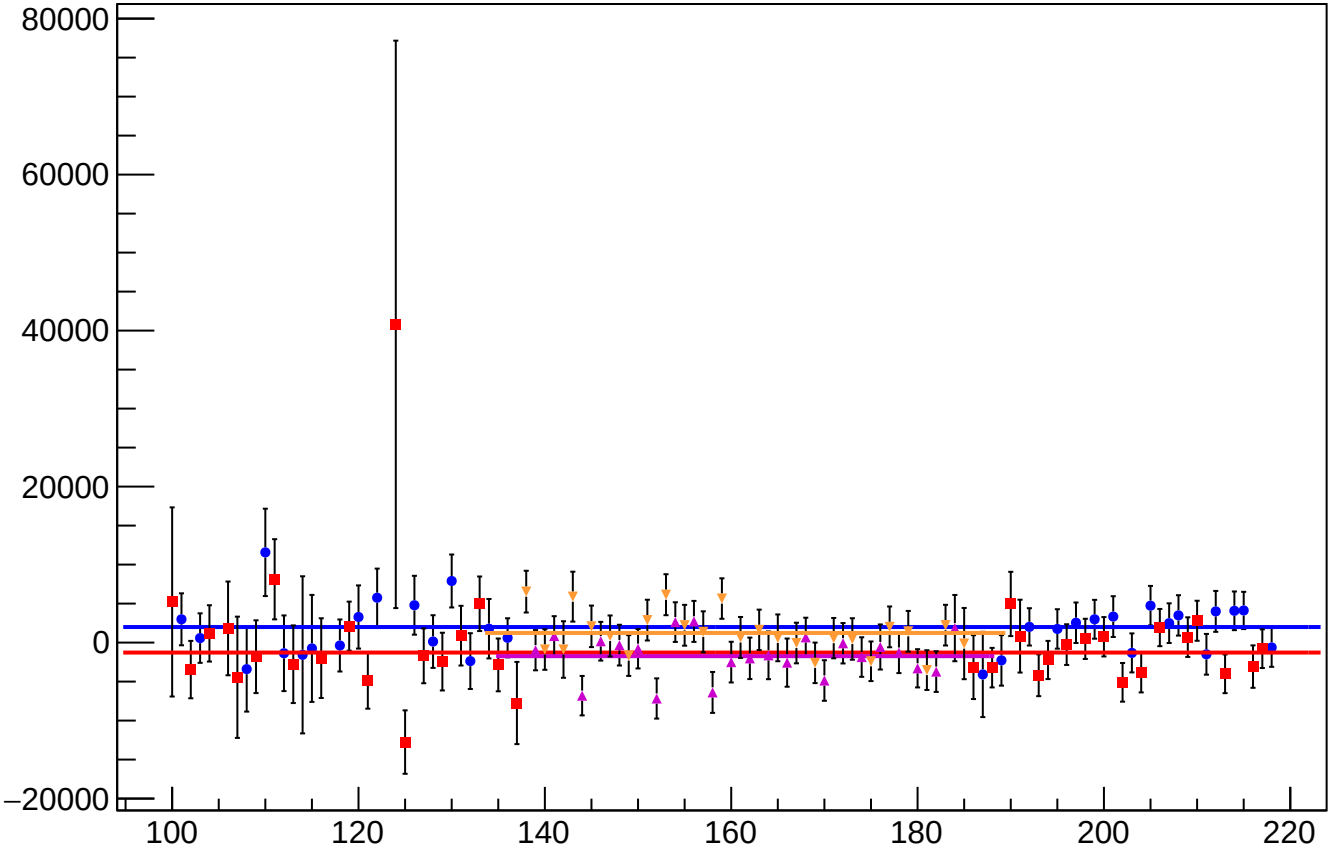
Left In: 931.562+/-0.154 χ^2/NDF:48916.1/22

+ sign 1065.325+/-0.123 χ^2/NDF: 4157407.2/56

All: 1066.102+/-0.088 χ^2/NDF: 9206342.5/11

- sign 1066.903+/-0.125 χ^2/NDF: 5048854.6/58

reg_asym_atl1_mean vs Slug



Right In: 1992.524+/-539.976 χ^2/NDF: 24.0/31

Left Out: 1234.728+/-541.289 χ^2/NDF:23.9/24

Right Out: -1278.524+/-544.508 χ^2/NDF: 37.7/35

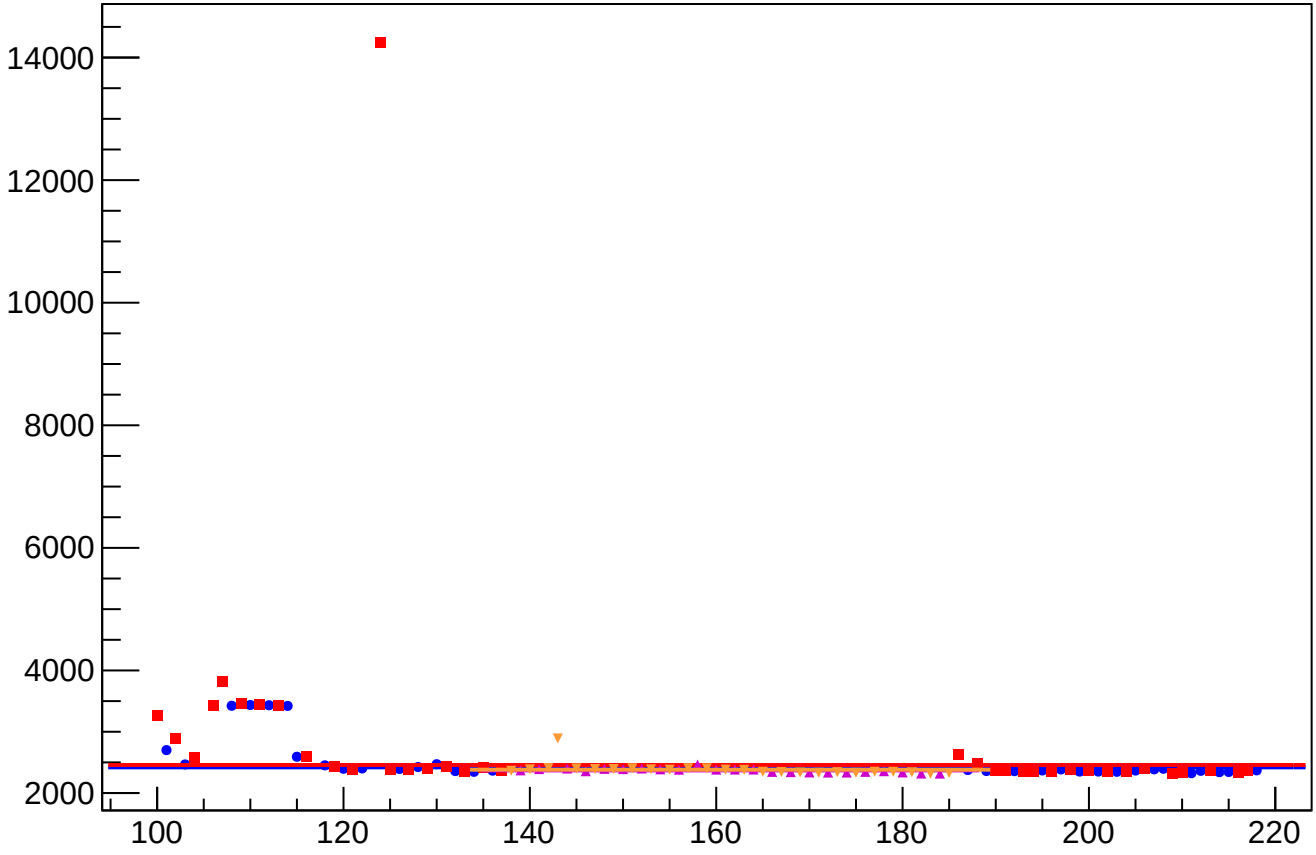
Left In: -1741.730+/-553.254 χ^2/NDF:24.4/22

+ sign 1614.546+/-382.284 χ^2/NDF: 48.8/56

All: 77.536+/-272.342 χ^2/NDF: 144.1/115

- sign -1506.437+/-388.081 χ^2/NDF: 62.4/58

reg_asym_atl1_rms vs Slug



Right In: 2419.604+/-0.382 χ^2/NDF: 277811.9/31

Left Out: 2381.235+/-0.383 χ^2/NDF:57623.2/24

Right Out: 2457.053+/-0.385 χ^2/NDF: 656683.2/35

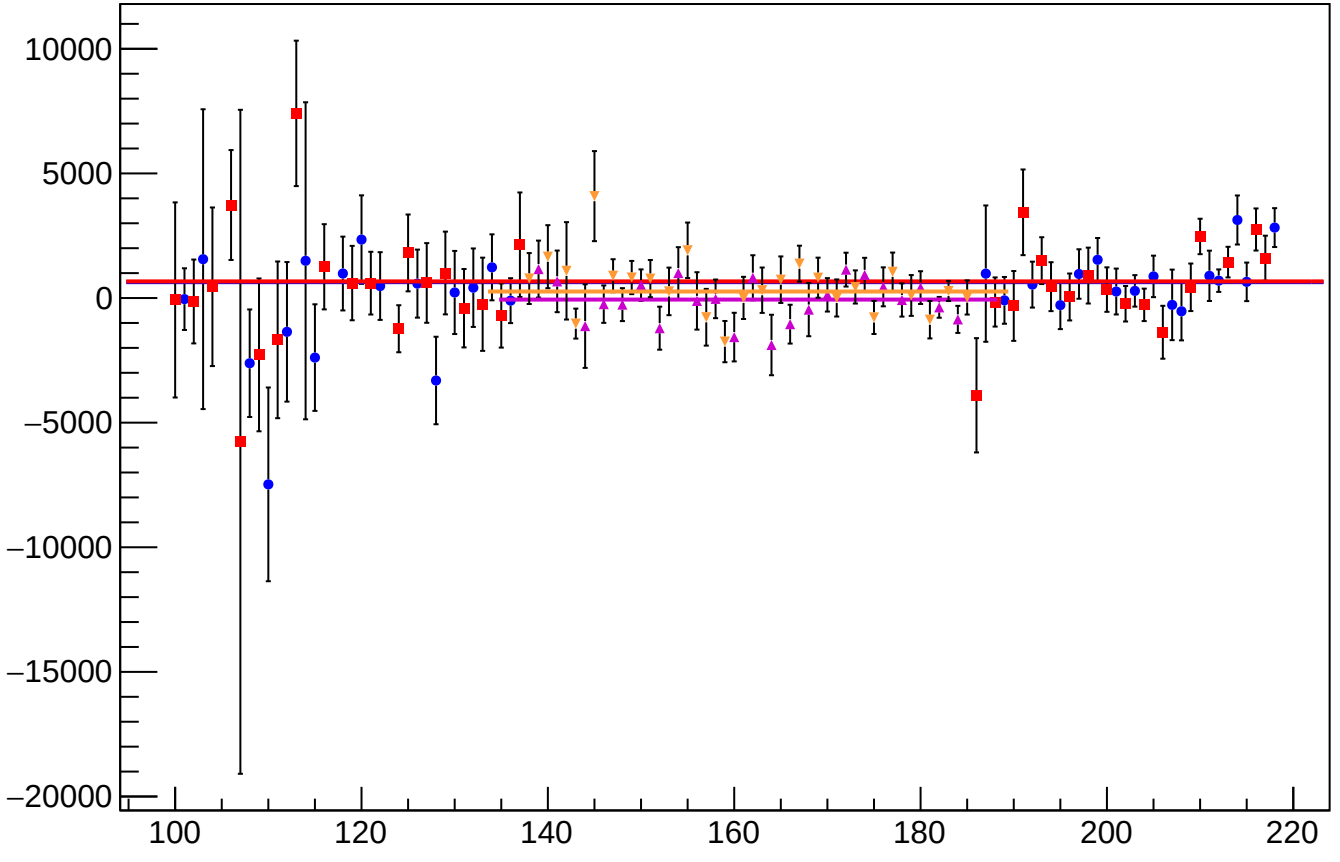
Left In: 2369.384+/-0.391 χ^2/NDF:7034.0/22

+ sign 2400.466+/-0.270 χ^2/NDF: 340471.7/56

All: 2407.091+/-0.193 χ^2/NDF: 1030918.2/11

- sign 2413.917+/-0.274 χ^2/NDF: 689227.1/58

asym_atl1_reg_correction_mean vs Slug



Right In: 637.009+/-187.196 χ^2/NDF: 35.6/31

Left Out: 261.877+/-154.009 χ^2/NDF:31.1/24

Right Out: 667.782+/-191.440 χ^2/NDF: 48.2/35

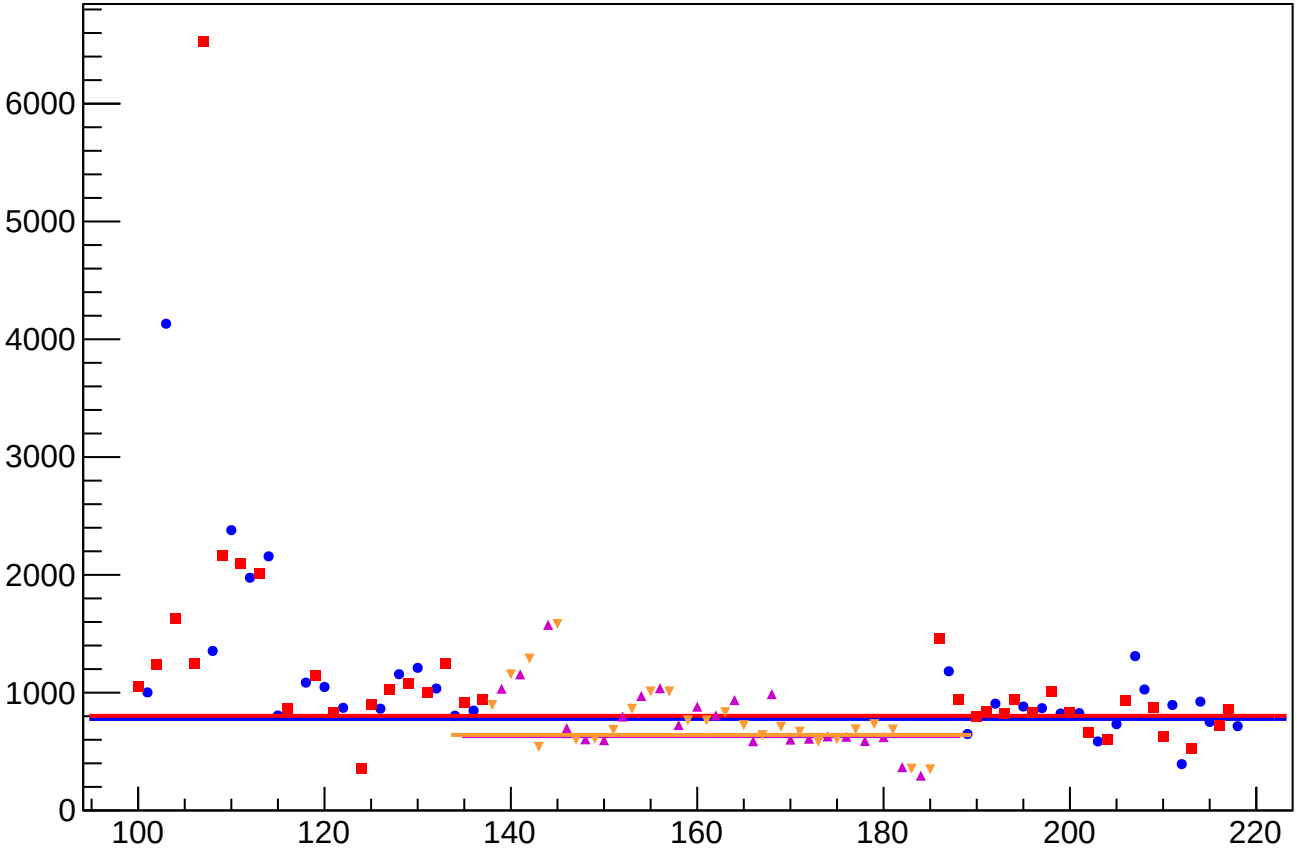
Left In: -61.960+/-157.394 χ^2/NDF:22.0/22

+ sign 413.298+/-118.932 χ^2/NDF: 69.1/56

All: 324.820+/-85.018 χ^2/NDF: 149.1/115

- sign 232.360+/-121.579 χ^2/NDF: 78.8/58

asym_atl1_reg_correction_rms vs Slug



Right In: 777.123+/-0.132 χ^2/NDF: 4349777.3/31

Left Out: 641.156+/-0.109 χ^2/NDF:3474860.7/24

Right Out: 803.234+/-0.135 χ^2/NDF: 3809885.4/35

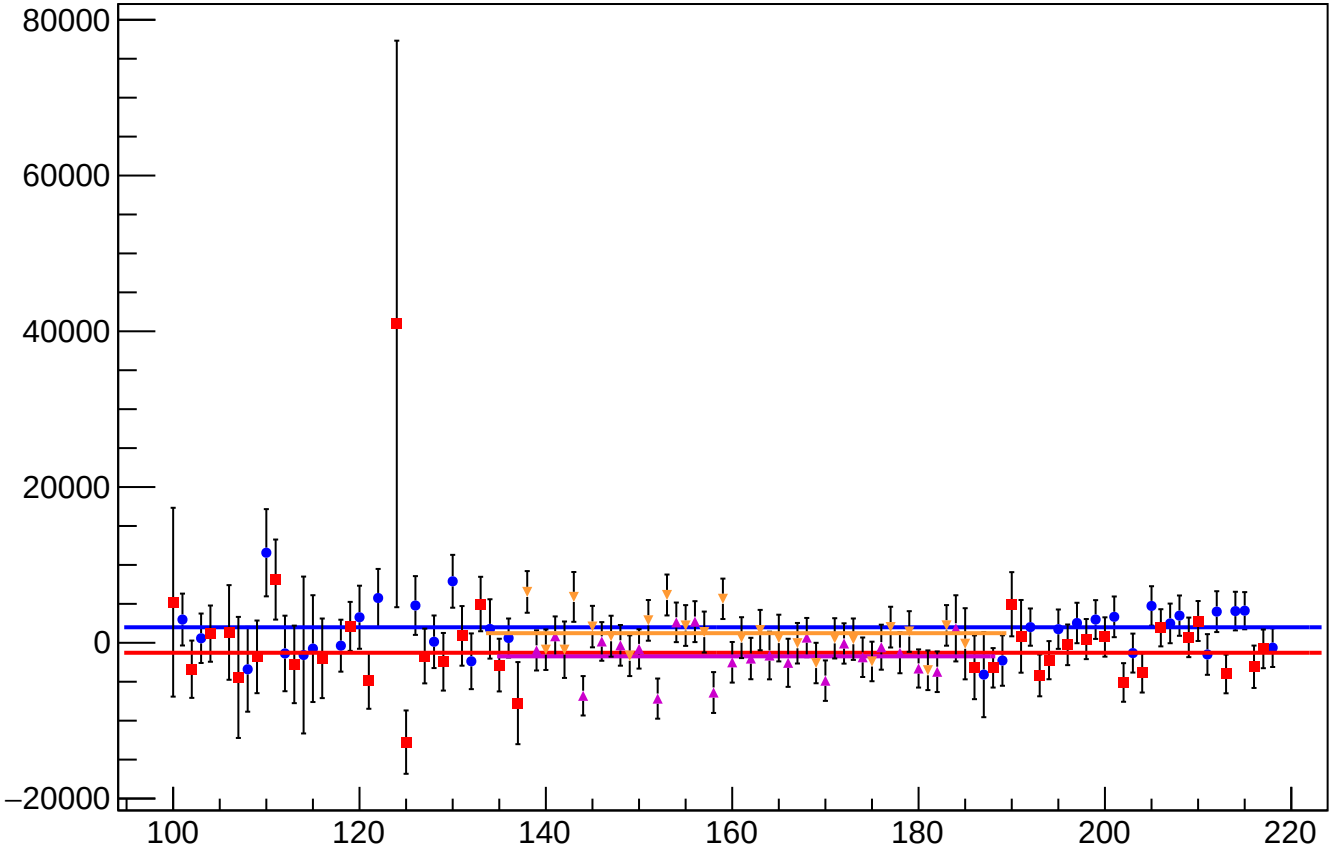
Left In: 631.199+/-0.111 χ^2/NDF:3975438.6/22

+ sign 696.039+/-0.084 χ^2/NDF: 8453863.4/56

All: 698.262+/-0.060 χ^2/NDF: 17204320.5/11

- sign 700.584+/-0.086 χ^2/NDF: 8749028.8/58

cor_asym_atl1_mean vs Slug



Right In: 1992.721+/-539.976 χ^2/NDF: 24.0/31

Left Out: 1234.706+/-541.289 χ^2/NDF:23.9/24

Right Out: -1281.450+/-544.559 χ^2/NDF: 37.6/35

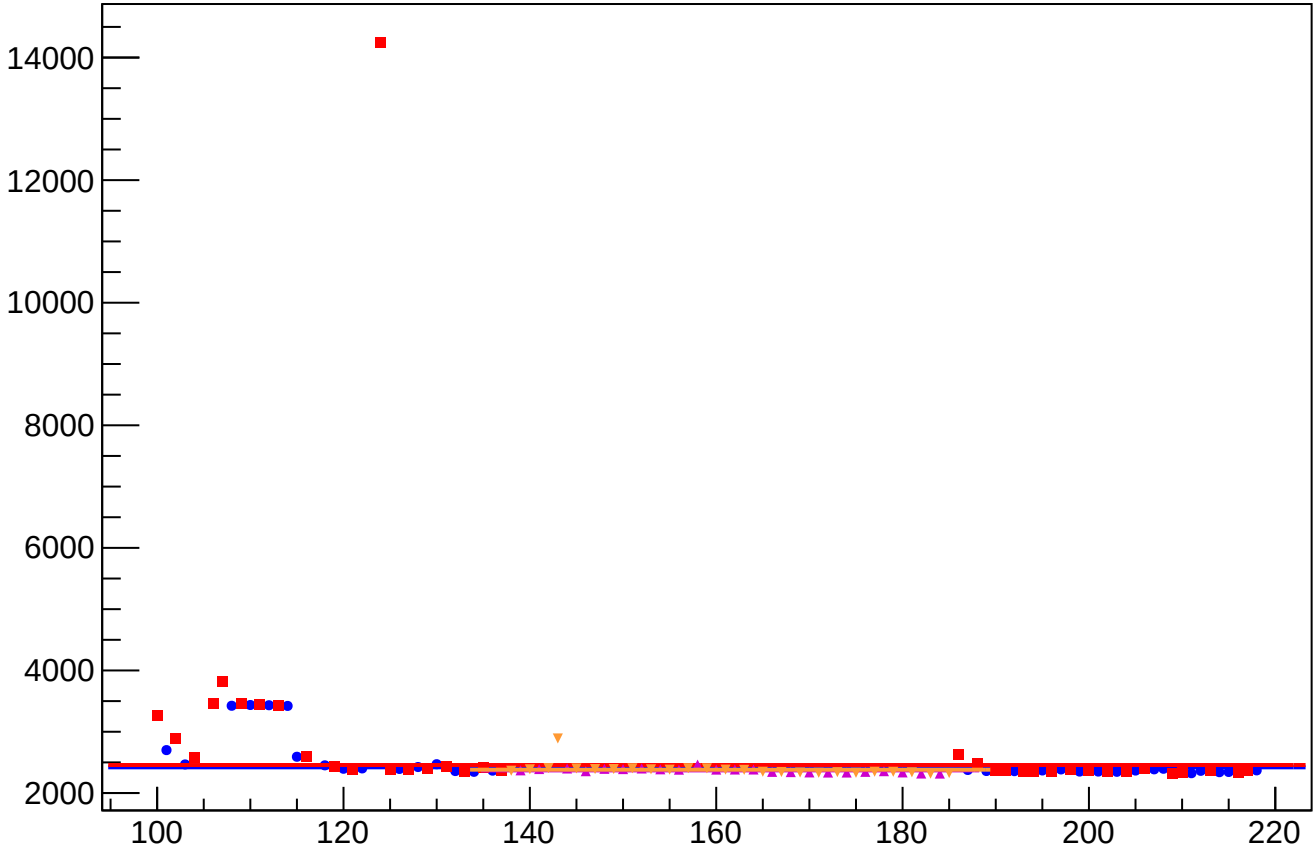
Left In: -1741.784+/-553.254 χ^2/NDF:24.4/22

+ sign 1614.634+/-382.284 χ^2/NDF: 48.8/56

All: 76.898+/-272.348 χ^2/NDF: 144.0/115

- sign -1507.971+/-388.099 χ^2/NDF: 62.3/58

cor_asym_atl1_rms vs Slug



Right In: 2419.604+/-0.382 χ^2/NDF: 277811.9/31

Left Out: 2381.235+/-0.383 χ^2/NDF:57623.2/24

Right Out: 2457.188+/-0.385 χ^2/NDF: 659652.7/35

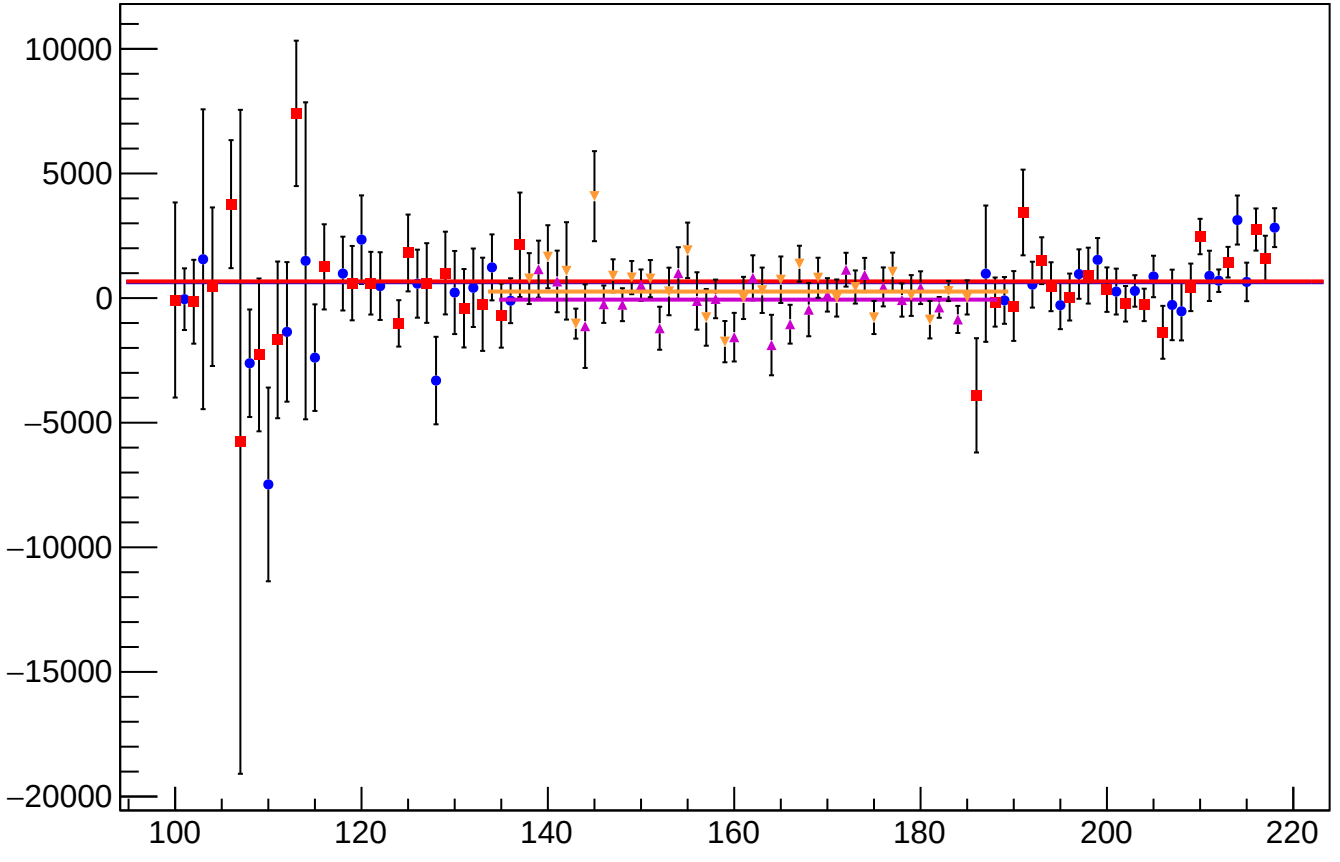
Left In: 2369.384+/-0.391 χ^2/NDF:7034.0/22

+ sign 2400.466+/-0.270 χ^2/NDF: 340471.7/56

All: 2407.122+/-0.193 χ^2/NDF: 1033975.5/11

- sign 2413.982+/-0.274 χ^2/NDF: 692272.7/58

asym_atl1_cor_correction_mean vs Slug



Right In: 636.944+/-187.197 χ^2/NDF: 35.6/31

Left Out: 262.160+/-154.012 χ^2/NDF:31.1/24

Right Out: 668.758+/-191.523 χ^2/NDF: 46.9/35

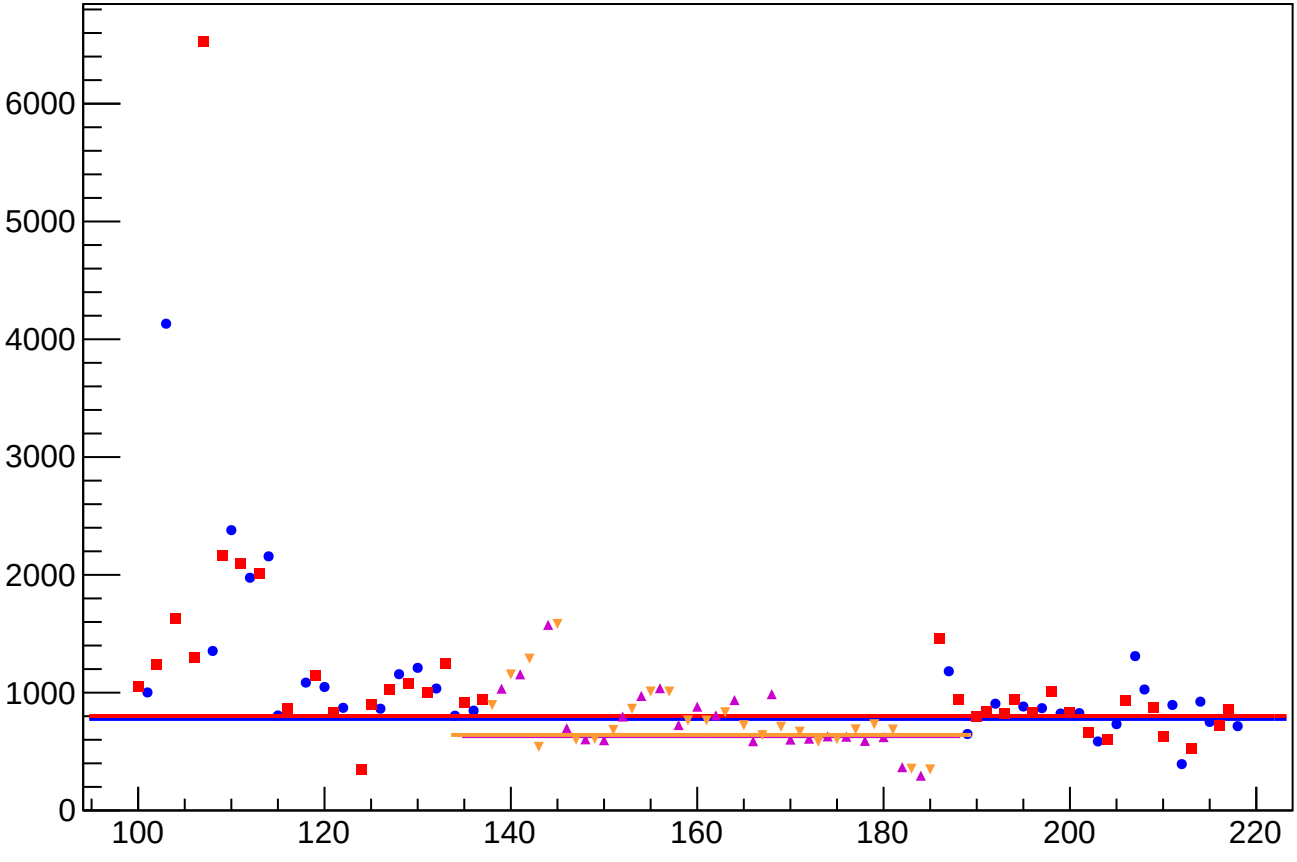
Left In: -61.976+/-157.393 χ^2/NDF:22.0/22

+ sign 413.443+/-118.933 χ^2/NDF: 69.1/56

All: 325.021+/-85.026 χ^2/NDF: 147.8/115

- sign 232.590+/-121.600 χ^2/NDF: 77.6/58

asym_atl1_cor_correction_rms vs Slug



Right In: 777.133+/-0.132 χ^2/NDF: 4349394.6/31

Left Out: 641.169+/-0.109 χ^2/NDF:3474589.1/24

Right Out: 801.924+/-0.135 χ^2/NDF: 3823830.6/35

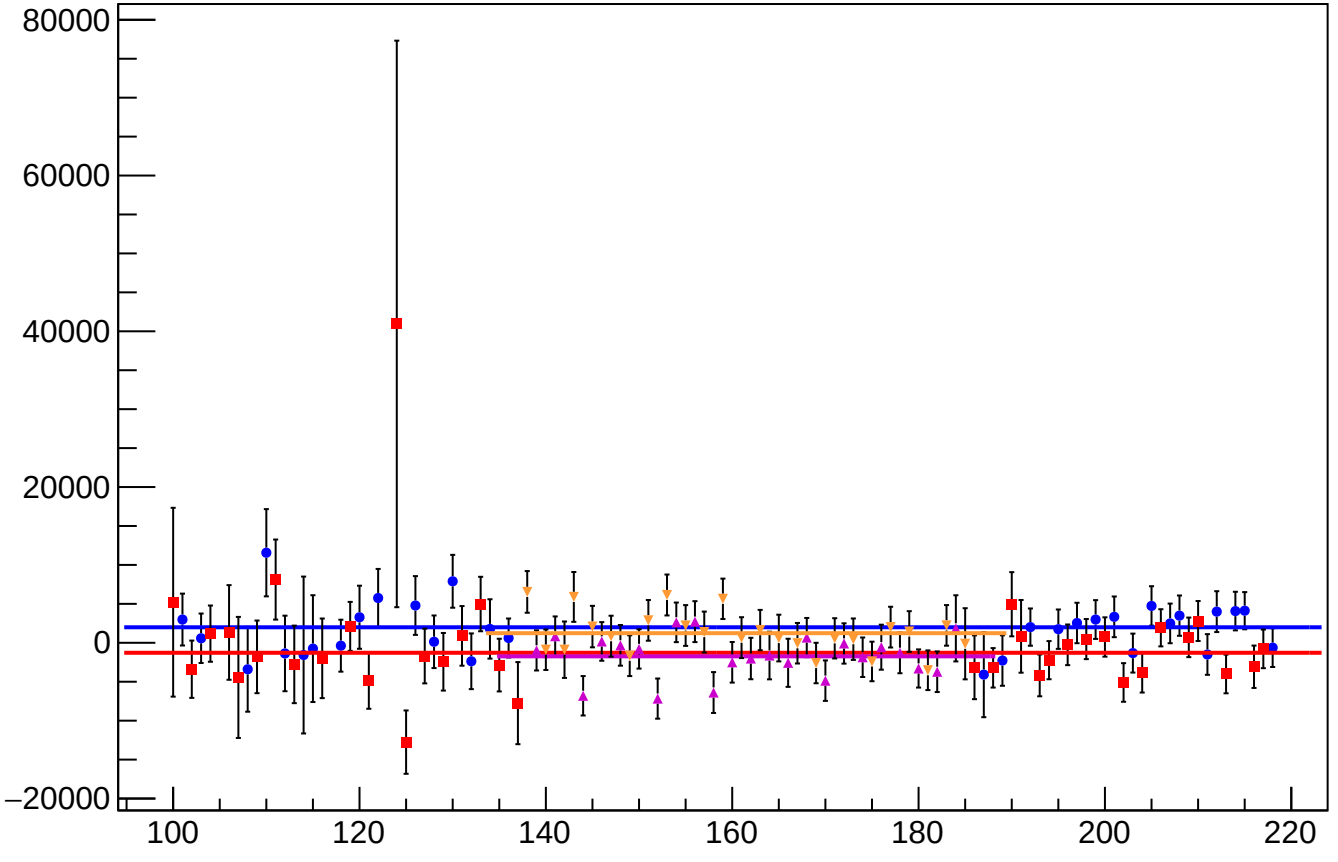
Left In: 631.196+/-0.111 χ^2/NDF:3975563.1/22

+ sign 696.051+/-0.084 χ^2/NDF: 8453163.5/56

All: 697.991+/-0.060 χ^2/NDF: 17202256.3/11

- sign 700.018+/-0.086 χ^2/NDF: 8748005.1/58

eigen_cor_asym_atl1_mean vs Slug



Right In: 1992.721+/-539.976 χ^2/NDF: 24.0/31

Left Out: 1234.706+/-541.289 χ^2/NDF:23.9/24

Right Out: -1281.450+/-544.559 χ^2/NDF: 37.6/35

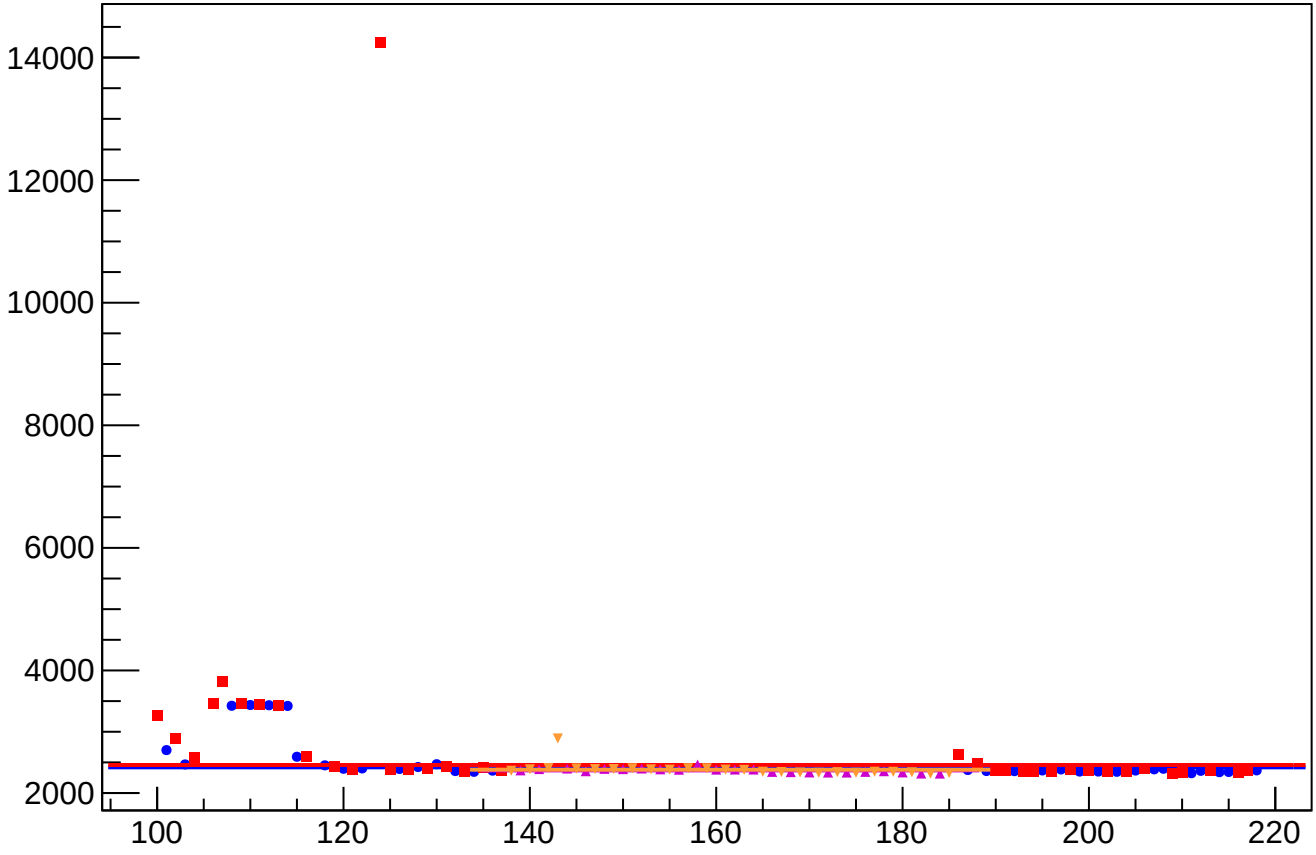
Left In: -1741.784+/-553.254 χ^2/NDF:24.4/22

+ sign 1614.634+/-382.284 χ^2/NDF: 48.8/56

All: 76.898+/-272.348 χ^2/NDF: 144.0/115

- sign -1507.971+/-388.099 χ^2/NDF: 62.3/58

eigen_cor_asym_atl1_rms vs Slug



Right In: 2419.604+/-0.382 χ^2/NDF: 277811.9/31

Left Out: 2381.235+/-0.383 χ^2/NDF:57623.2/24

Right Out: 2457.188+/-0.385 χ^2/NDF: 659652.7/35

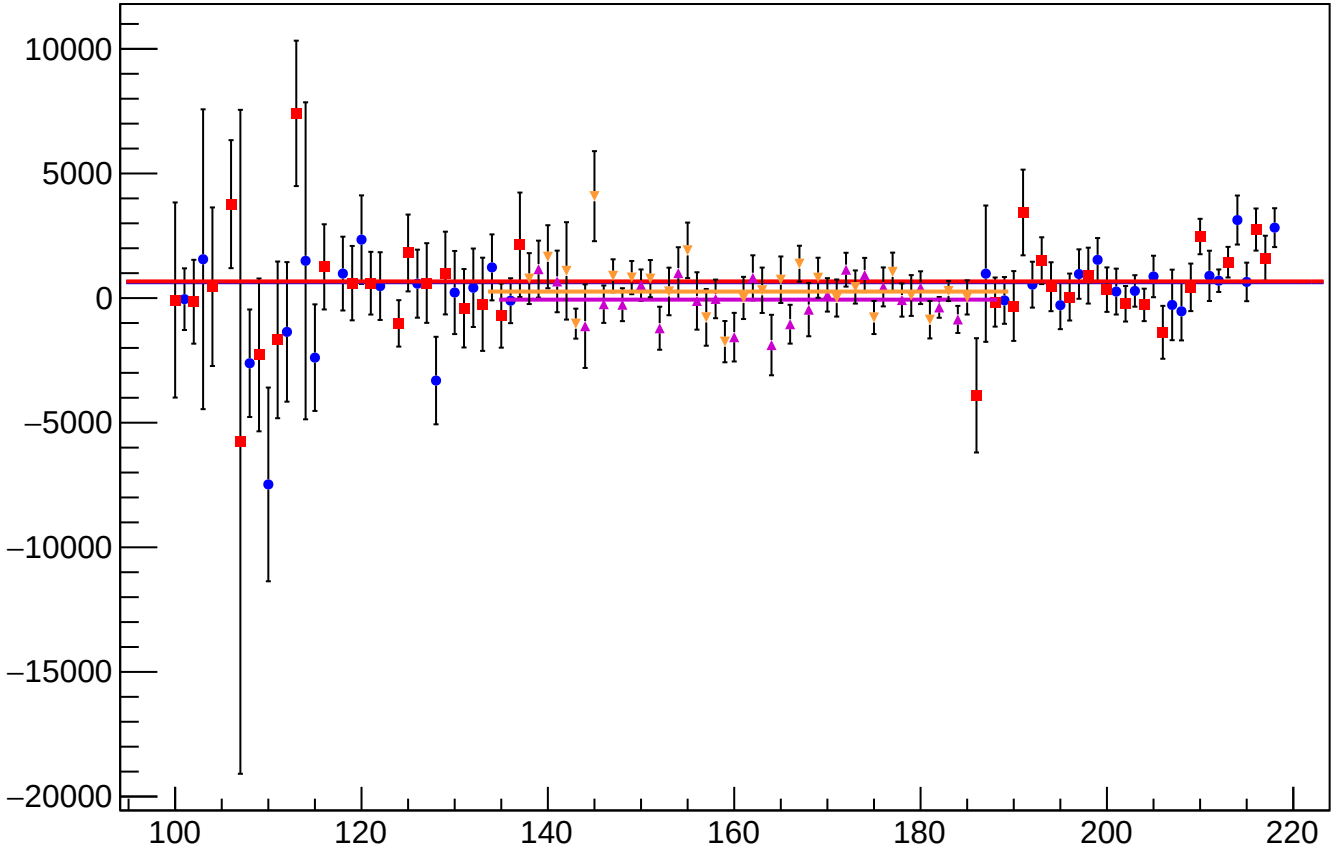
Left In: 2369.384+/-0.391 χ^2/NDF:7034.0/22

+ sign 2400.466+/-0.270 χ^2/NDF: 340471.7/56

All: 2407.122+/-0.193 χ^2/NDF: 1033975.5/11

- sign 2413.982+/-0.274 χ^2/NDF: 692272.7/58

asym_atl1_eigen_cor_correction_mean vs Slug



Right In: 636.944+/-187.197 χ^2/NDF: 35.6/31

Left Out: 262.160+/-154.012 χ^2/NDF:31.1/24

Right Out: 668.758+/-191.523 χ^2/NDF: 46.9/35

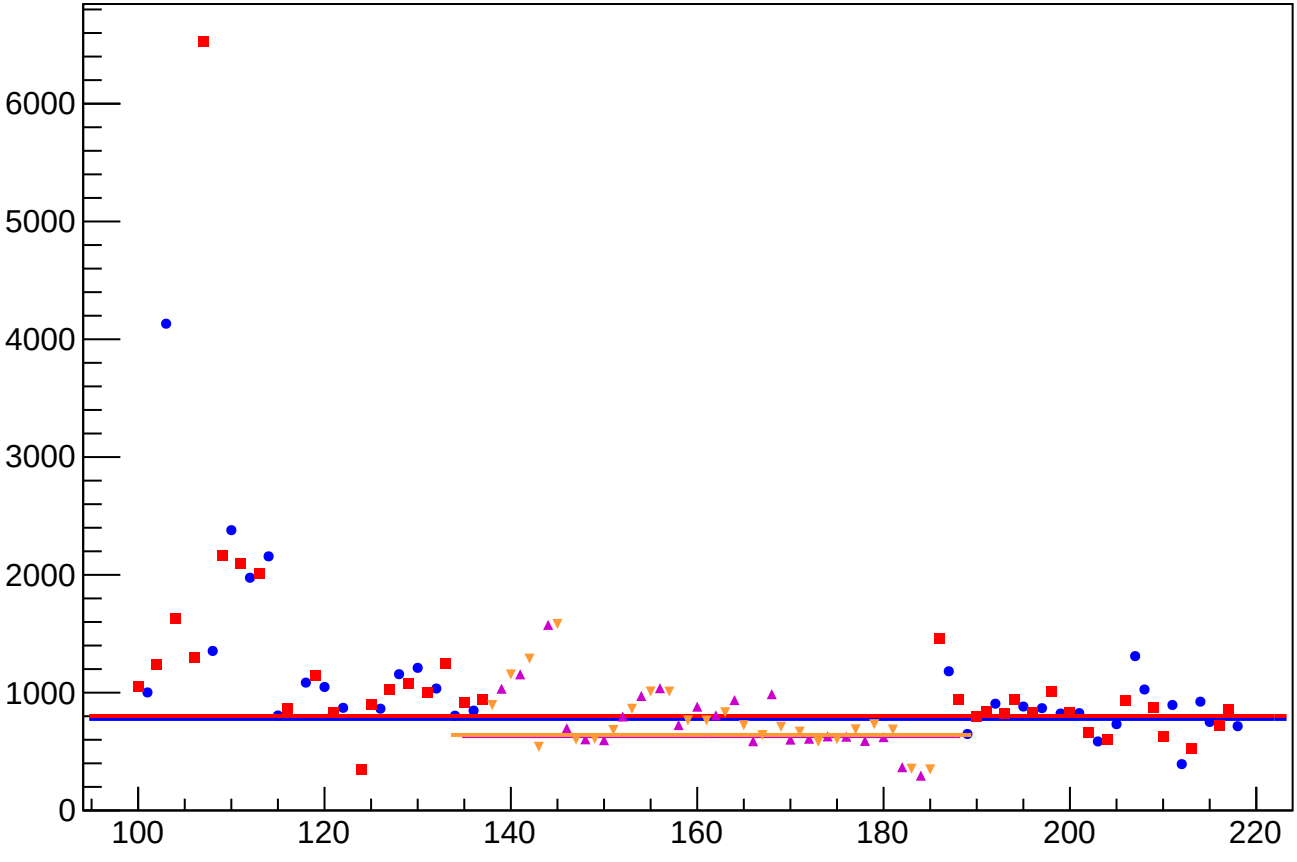
Left In: -61.976+/-157.393 χ^2/NDF:22.0/22

+ sign 413.443+/-118.933 χ^2/NDF: 69.1/56

All: 325.021+/-85.026 χ^2/NDF: 147.8/115

- sign 232.590+/-121.600 χ^2/NDF: 77.6/58

asym_atl1_eigen_cor_correction_rms vs Slug



Right In: 777.133+/-0.132 χ^2/NDF: 4349394.6/31

Left Out: 641.169+/-0.109 χ^2/NDF:3474589.1/24

Right Out: 801.924+/-0.135 χ^2/NDF: 3823830.6/35

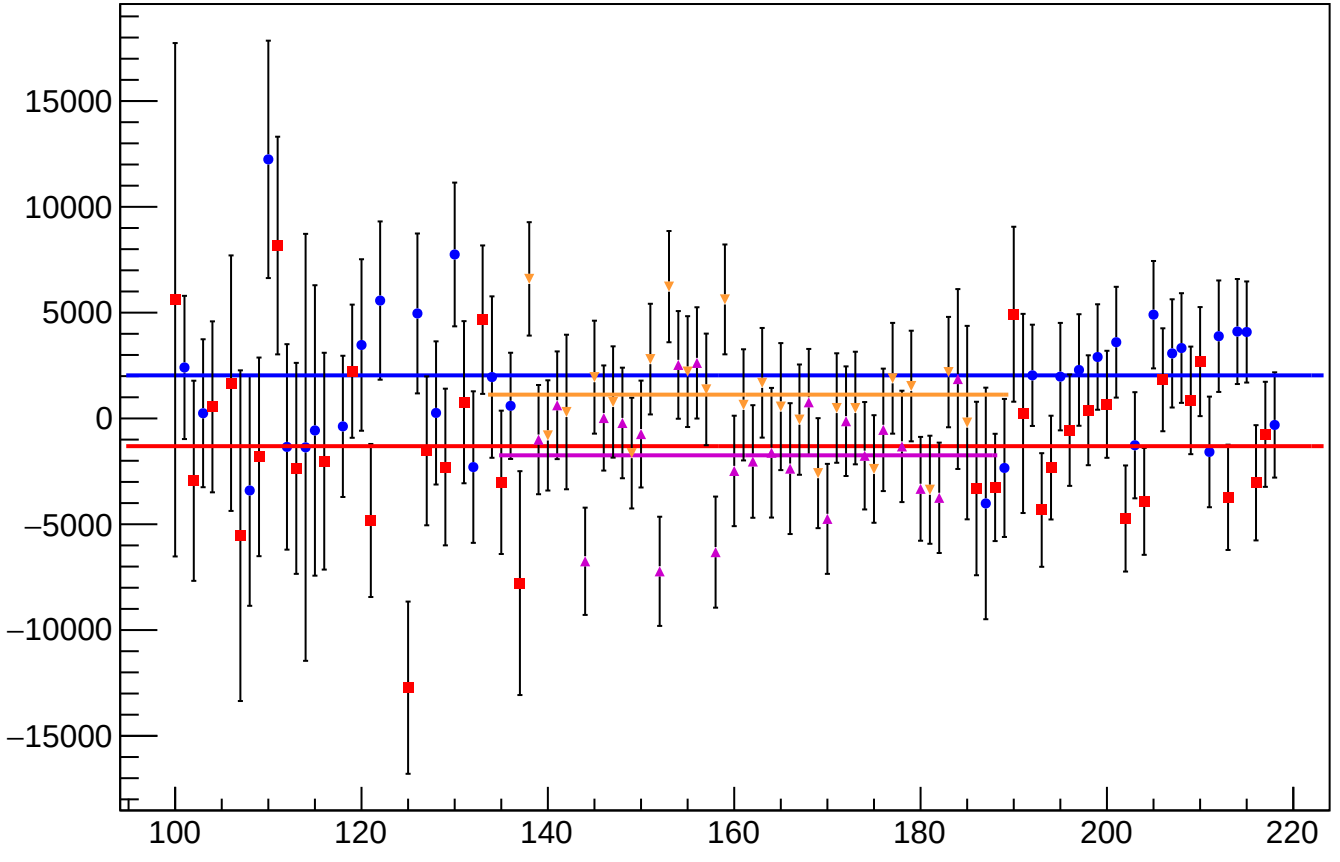
Left In: 631.196+/-0.111 χ^2/NDF:3975563.1/22

+ sign 696.051+/-0.084 χ^2/NDF: 8453163.5/56

All: 697.991+/-0.060 χ^2/NDF: 17202256.3/11

- sign 700.018+/-0.086 χ^2/NDF: 8748005.1/58

dit_asym_atl1_mean vs Slug



Right In: 2035.922+/-542.840 χ^2/NDF: 24.0/31

Left Out: 1125.562+/-549.834 χ^2/NDF:21.2/23

Right Out: -1309.698+/-550.185 χ^2/NDF: 34.7/34

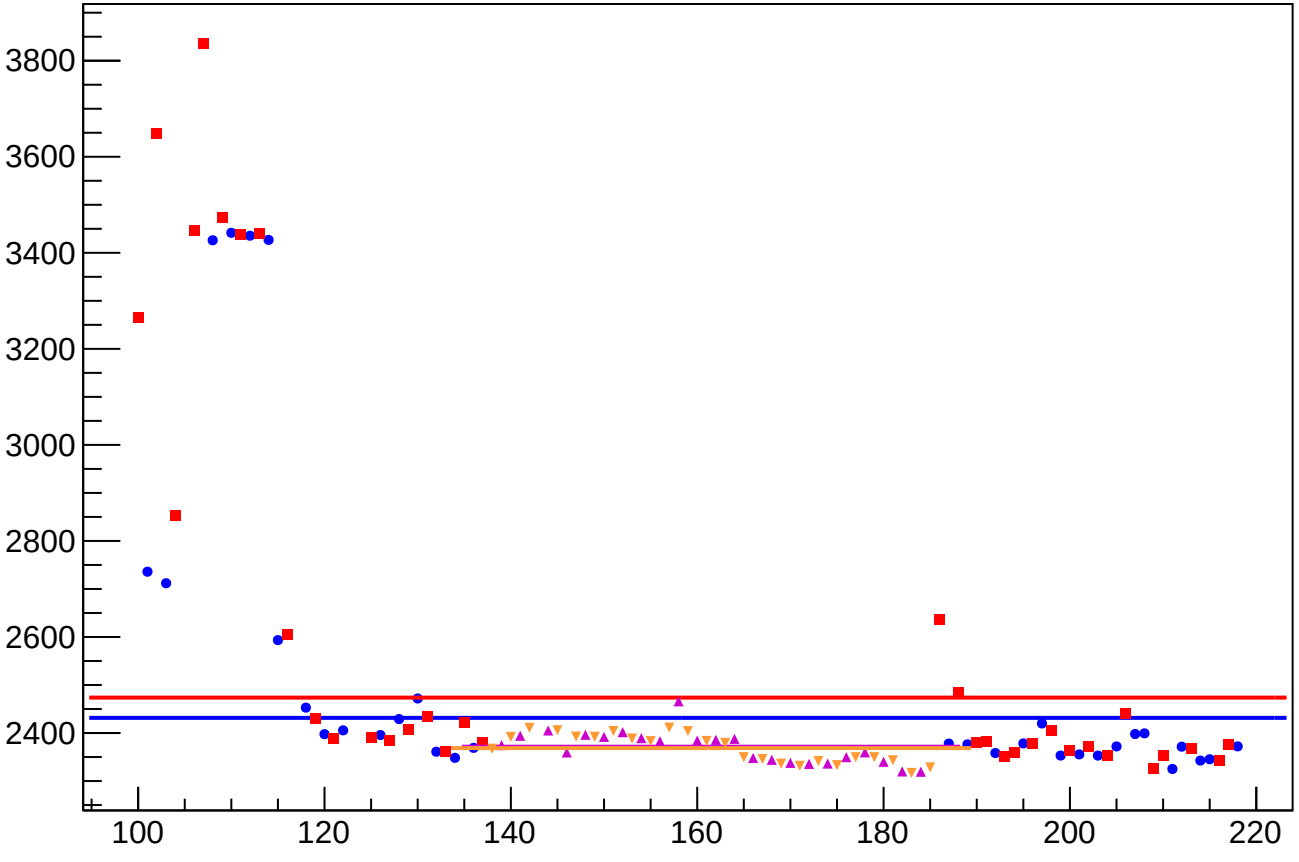
Left In: -1742.304+/-553.755 χ^2/NDF:23.8/22

+ sign 1586.569+/-386.295 χ^2/NDF: 46.6/55

All: 47.010+/-274.555 χ^2/NDF: 137.4/113

- sign -1524.602+/-390.295 χ^2/NDF: 58.7/57

dit_asym_atl1_rms vs Slug



Right In: 2431.591+/-0.384 χ^2/NDF: 291962.4/31

Left Out: 2368.569+/-0.389 χ^2/NDF:5571.3/23

Right Out: 2473.766+/-0.389 χ^2/NDF: 559556.6/34

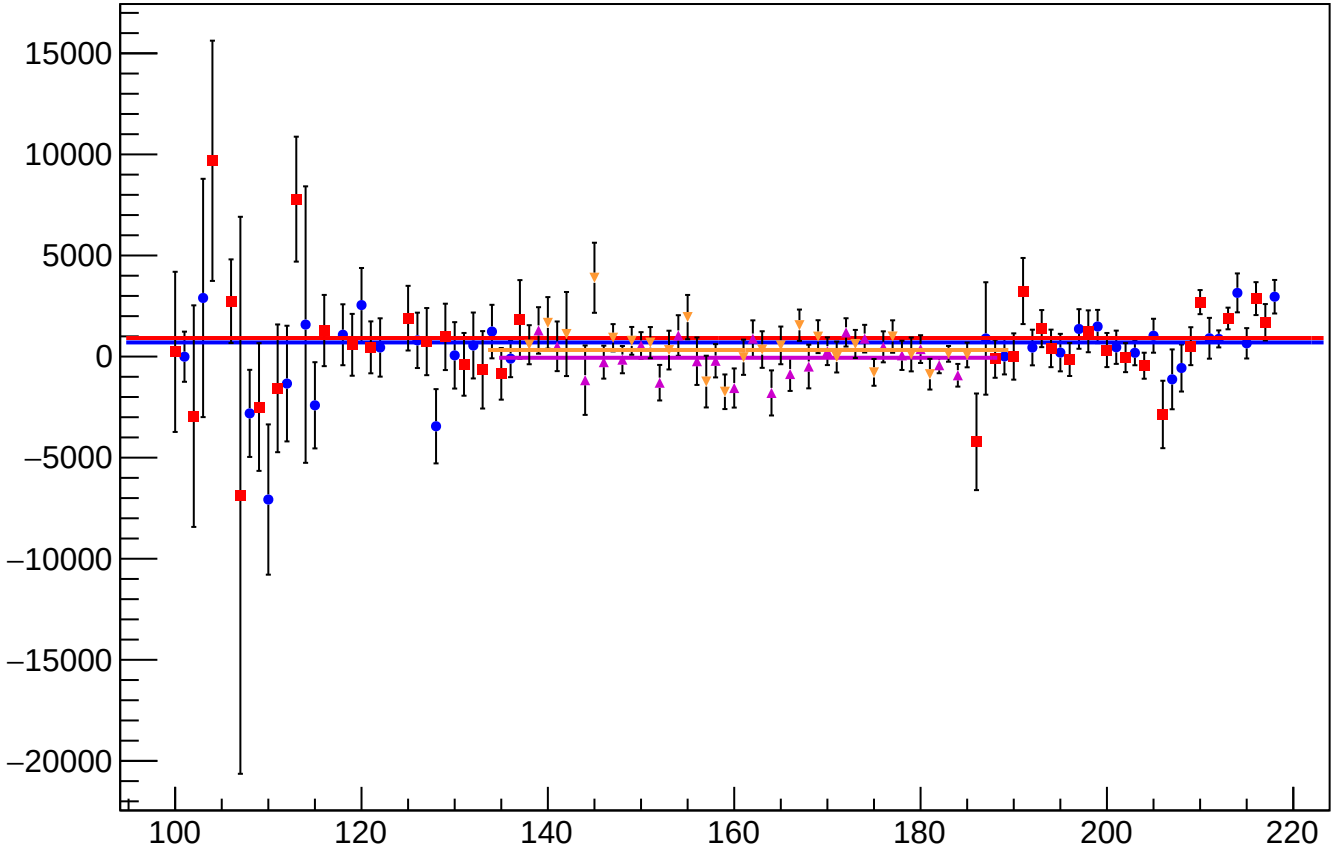
Left In: 2371.518+/-0.392 χ^2/NDF:7053.5/22

+ sign 2400.483+/-0.273 χ^2/NDF: 310839.6/55

All: 2411.612+/-0.194 χ^2/NDF: 915118.1/113

- sign 2422.972+/-0.276 χ^2/NDF: 600924.1/57

asym_atl1_dit_correction_mean vs Slug



Right In: 699.343+/-182.841 χ^2/NDF: 37.6/31

Left Out: 325.955+/-160.041 χ^2/NDF:26.8/23

Right Out: 918.014+/-188.182 χ^2/NDF: 56.3/34

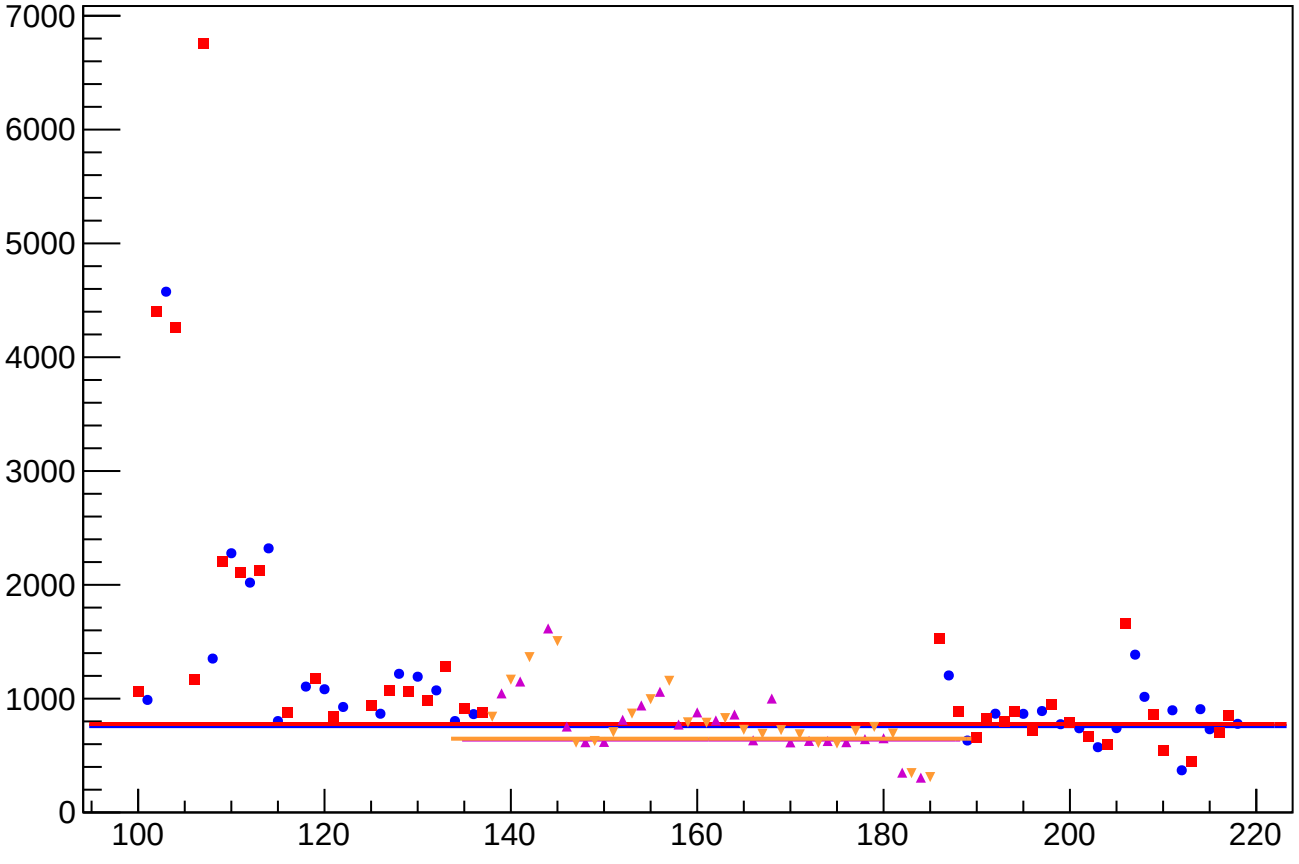
Left In: -59.619+/-159.669 χ^2/NDF:22.7/22

+ sign 487.930+/-120.425 χ^2/NDF: 66.7/55

All: 419.521+/-85.618 χ^2/NDF: 162.1/113

- sign 349.599+/-121.749 χ^2/NDF: 94.7/57

asym_atl1_dit_correction_rms vs Slug



Right In: 758.463+/-0.129 χ^2/NDF: 5082051.2/31

Left Out: 648.100+/-0.113 χ^2/NDF:3886991.8/23

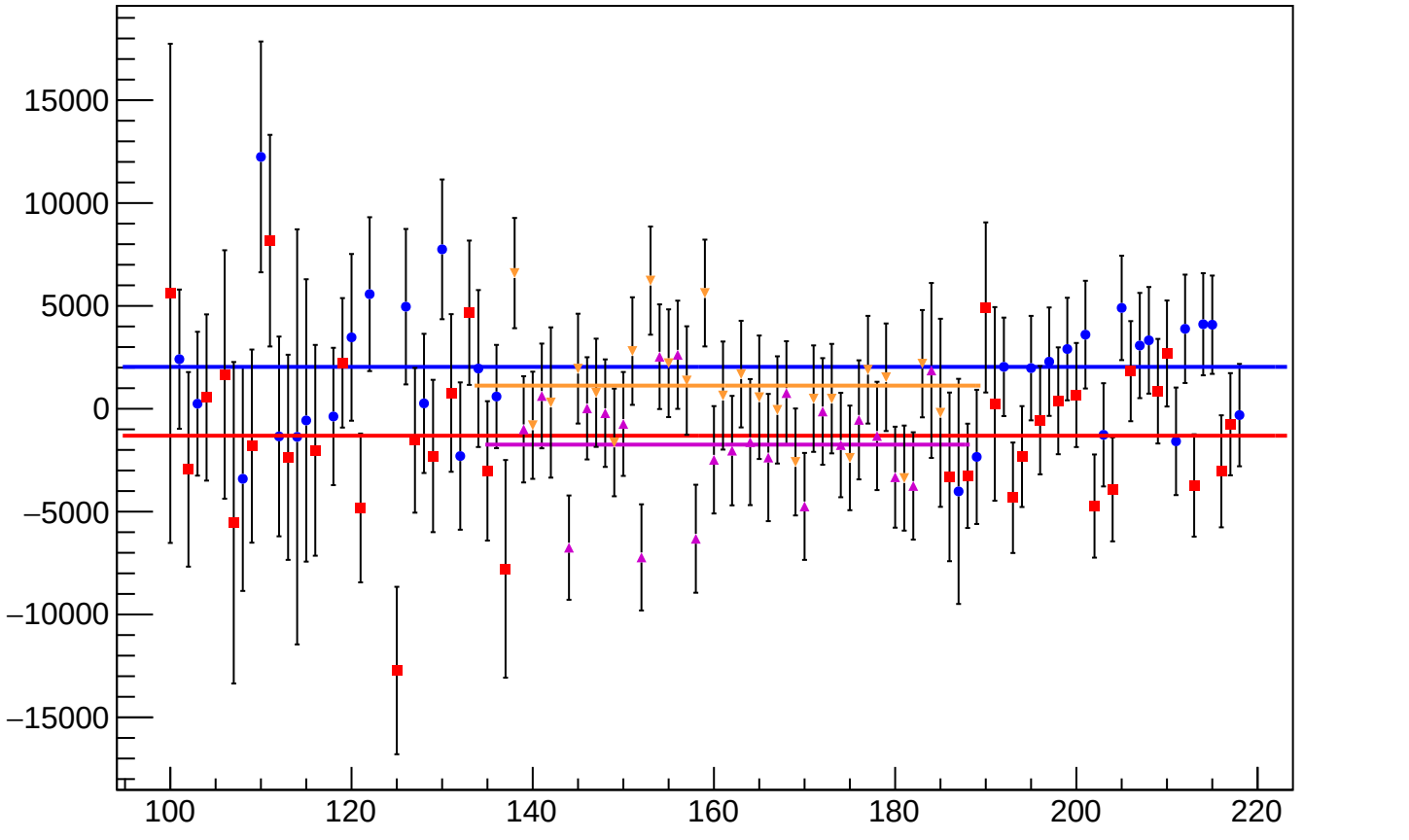
Right Out: 777.170+/-0.133 χ^2/NDF: 5896022.4/34

Left In: 640.422+/-0.113 χ^2/NDF:4128760.4/22

+ sign 695.975+/-0.085 χ^2/NDF: 9381611.6/55

All: 696.809+/-0.061 χ^2/NDF: 20020640.2/11

- sign 697.662+/-0.086 χ^2/NDF: 10638834.6/57



Right In: 2035.919+/-542.840 χ^2/NDF: 24.0/31

Left Out: 1125.562+/-549.834 χ^2/NDF:21.2/23

Right Out: -1309.698+/-550.185 χ^2/NDF: 34.7/34

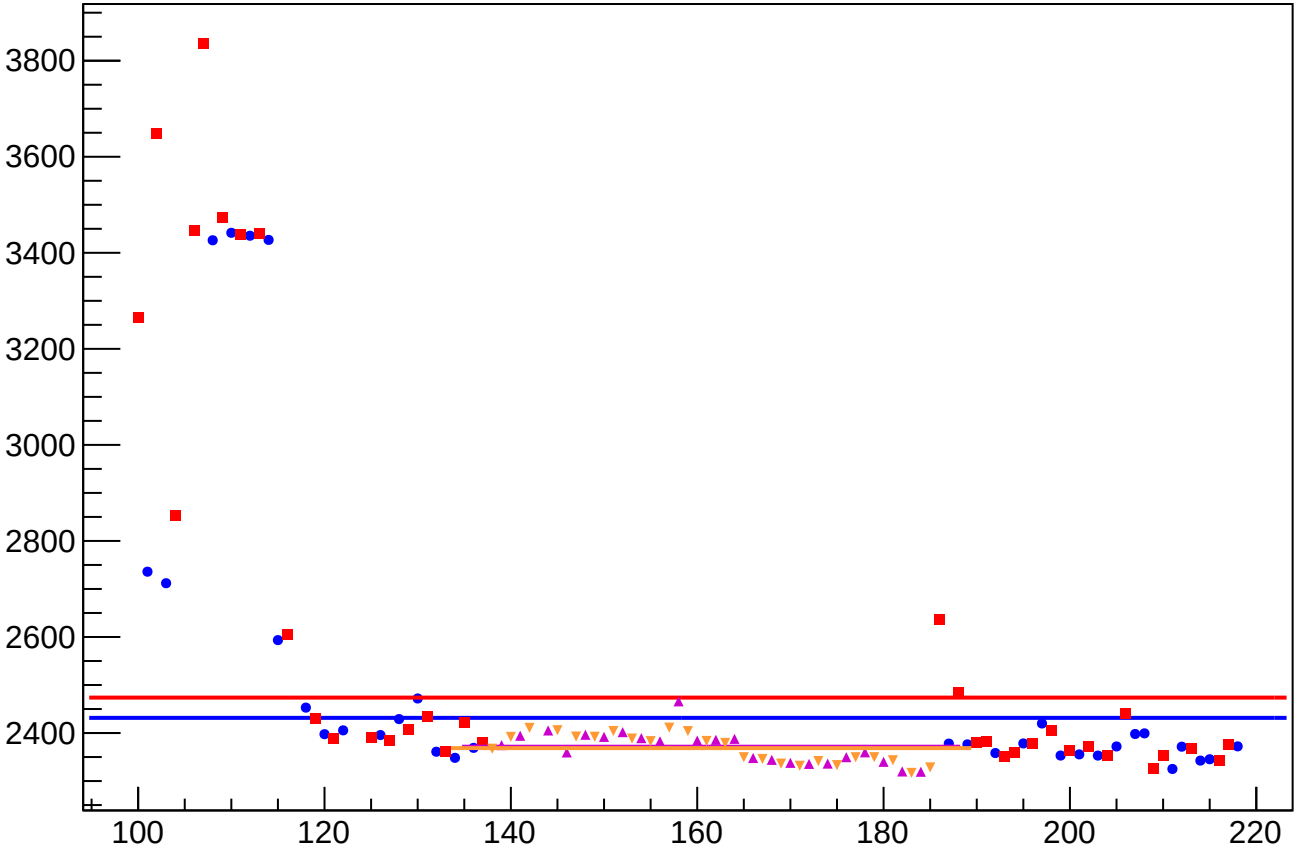
Left In: -1742.305+/-553.755 χ^2/NDF:23.8/22

+ sign 1586.567+/-386.295 χ^2/NDF: 46.6/55

All: 47.009+/-274.555 χ^2/NDF: 137.4/113

- sign -1524.603+/-390.295 χ^2/NDF: 58.7/57

eigen_dit_asym_atl1_rms vs Slug



Right In: 2431.591+/-0.384 χ^2/NDF: 291961.9/31

Left Out: 2368.569+/-0.389 χ^2/NDF:5571.3/23

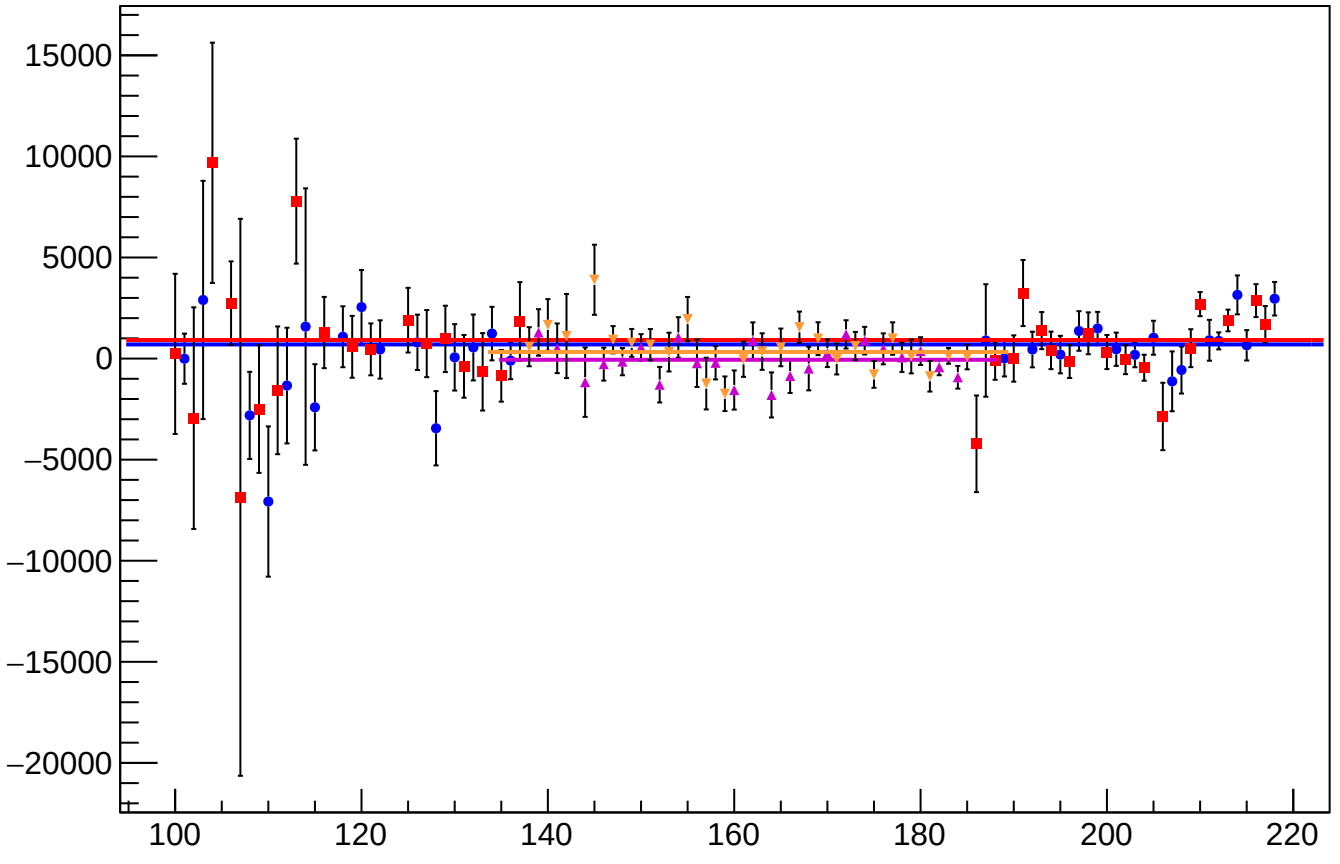
Right Out: 2473.765+/-0.389 χ^2/NDF: 559555.7/34

Left In: 2371.518+/-0.392 χ^2/NDF:7053.5/22

+ sign 2400.483+/-0.273 χ^2/NDF: 310839.1/55

All: 2411.612+/-0.194 χ^2/NDF: 915116.6/113

- sign 2422.972+/-0.276 χ^2/NDF: 600923.1/57



Right In: 699.342+/-182.841 χ^2/NDF: 37.6/31

Left Out: 325.955+/-160.042 χ^2/NDF:26.8/23

Right Out: 918.013+/-188.181 χ^2/NDF: 56.3/34

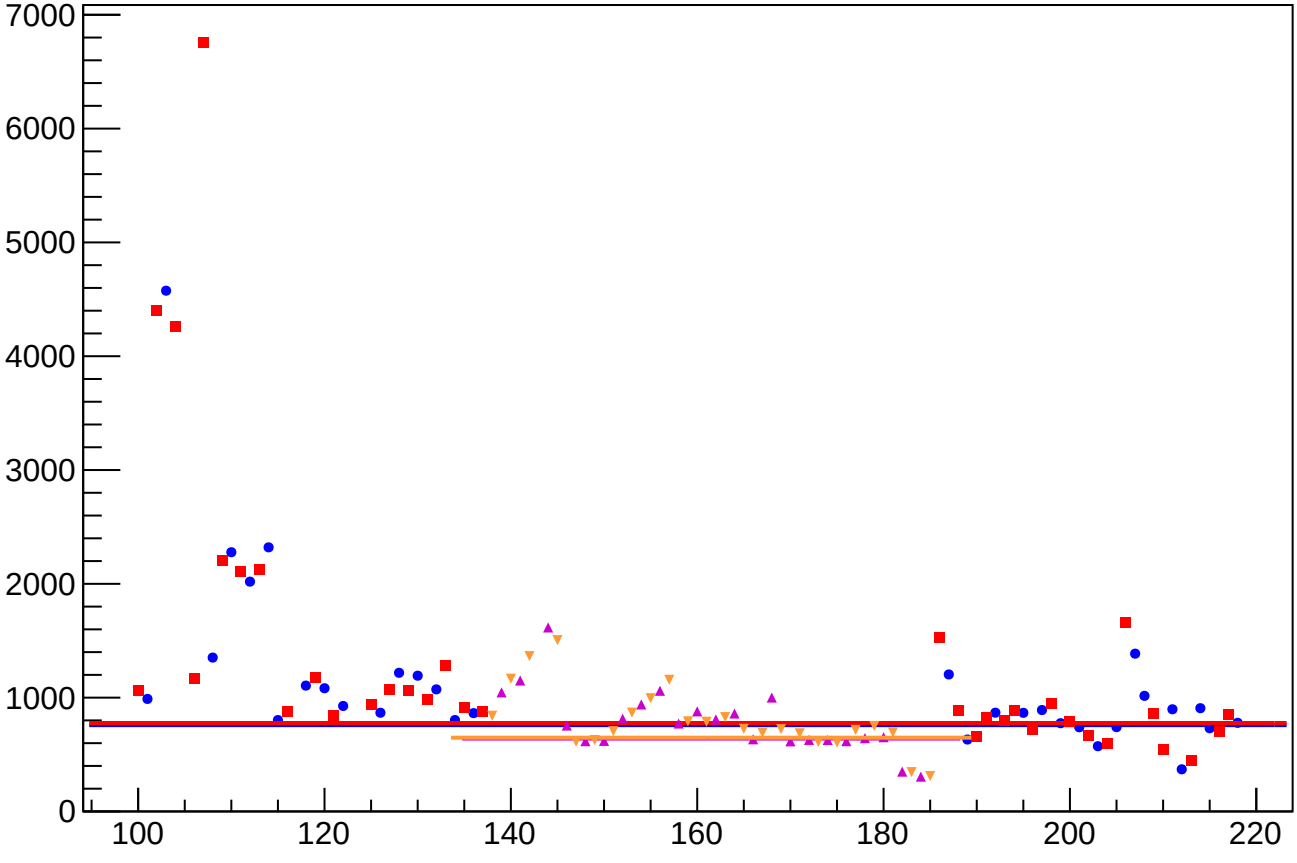
Left In: -59.619+/-159.670 χ^2/NDF:22.7/22

+ sign 487.930+/-120.425 χ^2/NDF: 66.7/55

All: 419.521+/-85.618 χ^2/NDF: 162.1/113

- sign 349.599+/-121.749 χ^2/NDF: 94.7/57

asym_atl1_eigen_dit_correction_rms vs Slug



Right In: 758.462+/-0.129 χ^2/NDF: 5082058.4/31

Left Out: 648.101+/-0.113 χ^2/NDF:3887001.9/23

Right Out: 777.169+/-0.133 χ^2/NDF: 5896032.0/34

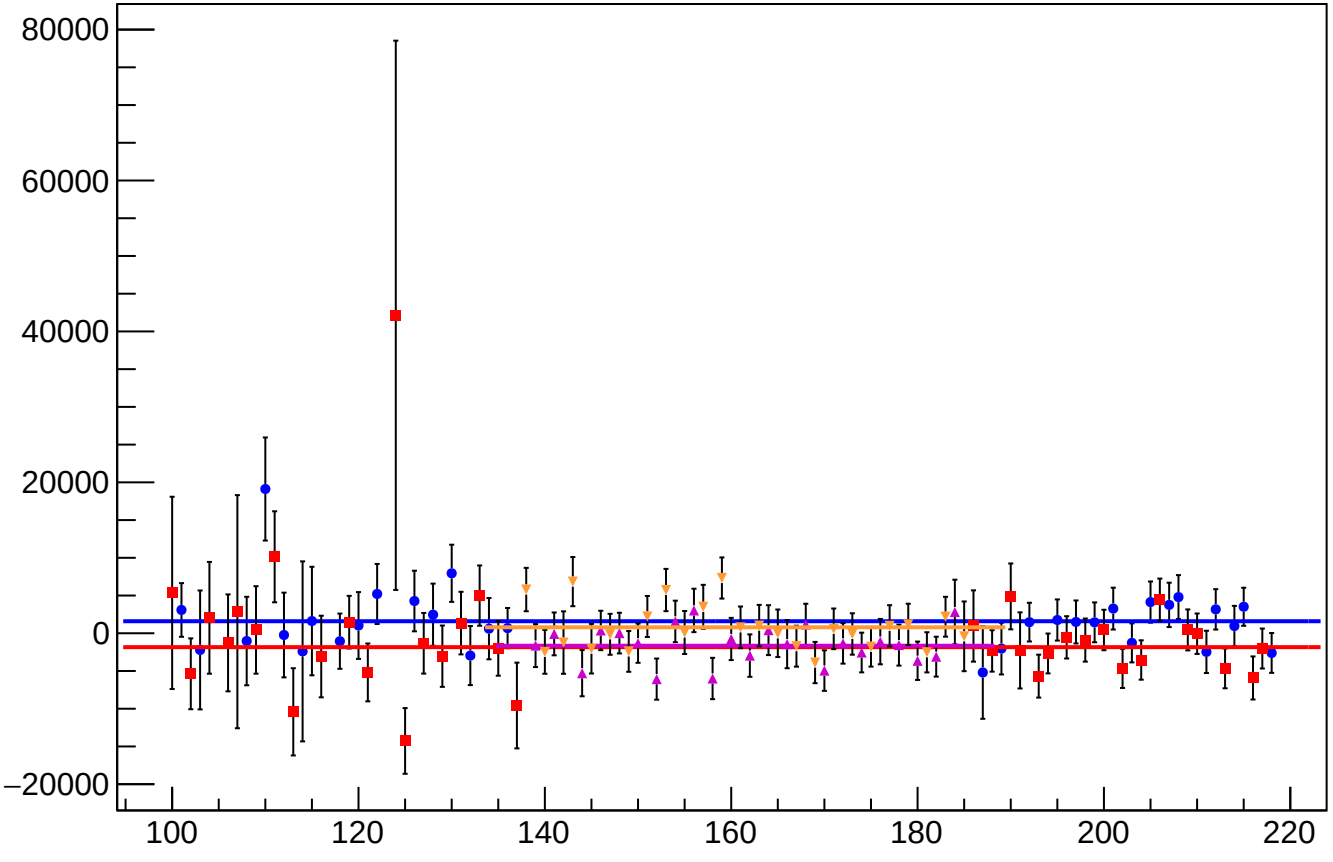
Left In: 640.423+/-0.113 χ^2/NDF:4128774.2/22

+ sign 695.976+/-0.085 χ^2/NDF: 9381616.7/55

All: 696.810+/-0.061 χ^2/NDF: 20020657.2/11

- sign 697.662+/-0.086 χ^2/NDF: 10638846.5/57

asym_atl1_mean vs Slug



Right In: 1594.662+/-590.313 χ^2/NDF: 25.8/31

Left Out: 791.438+/-573.266 χ^2/NDF:27.1/24

Right Out: -1840.678+/-596.819 χ^2/NDF: 41.1/35

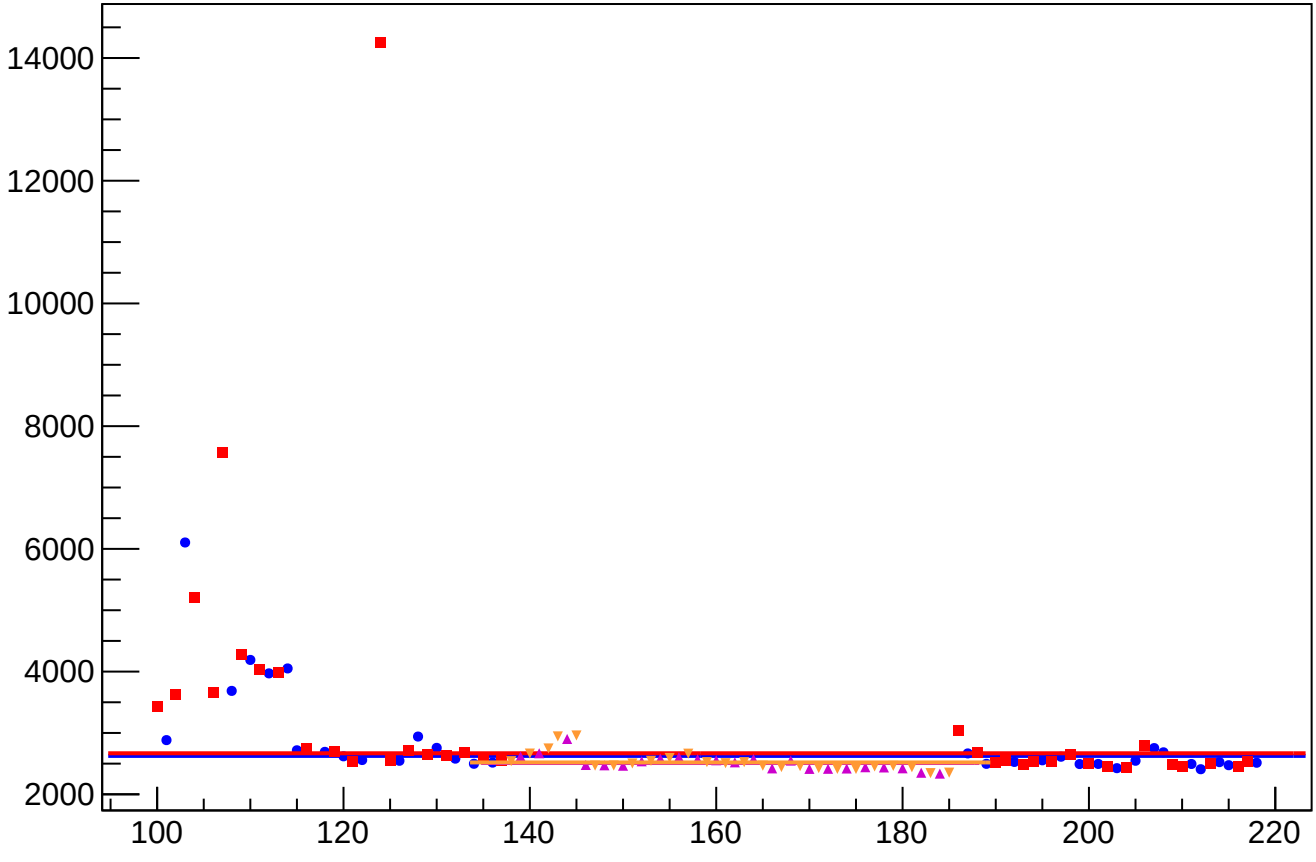
Left In: -1654.626+/-586.767 χ^2/NDF:17.3/22

+ sign 1181.285+/-411.255 χ^2/NDF: 53.9/56

All: -257.129+/-293.300 χ^2/NDF: 137.3/115

- sign -1746.072+/-418.416 χ^2/NDF: 58.5/58

asym_atl1_rms vs Slug



Right In: 2626.017+/-0.417 χ^2/NDF: 801909.8/31

Left Out: 2519.516+/-0.405 χ^2/NDF:115204.3/24

Right Out: 2668.845+/-0.422 χ^2/NDF: 1266177.3/35

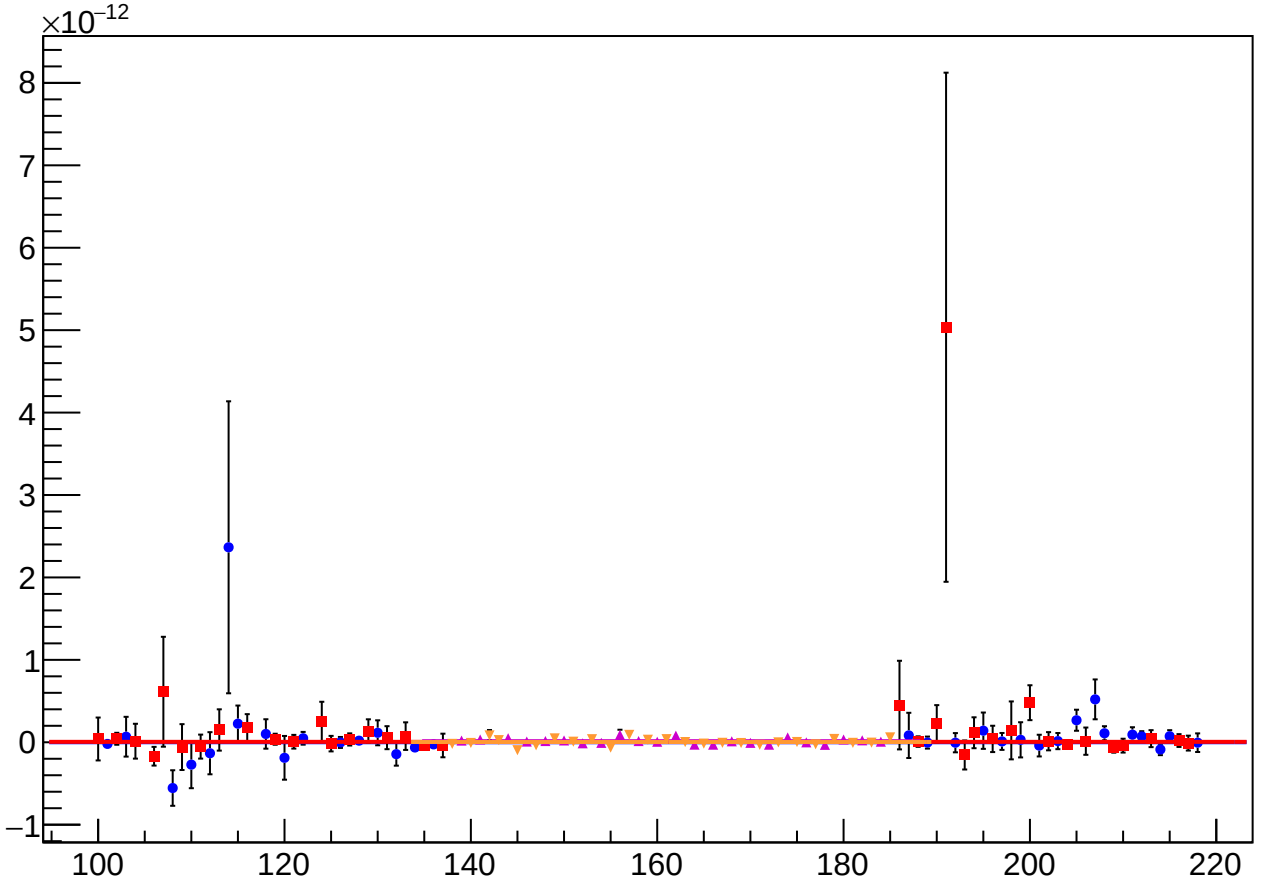
Left In: 2510.156+/-0.415 χ^2/NDF:73771.4/22

+ sign 2571.206+/-0.291 χ^2/NDF: 950617.1/56

All: 2579.533+/-0.207 χ^2/NDF: 2364134.0/11

- sign 2588.153+/-0.296 χ^2/NDF: 1411848.1/58

asym_atl1_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 32.9/31

Left Out: 0.000+/-0.000 χ^2/NDF:28.8/24

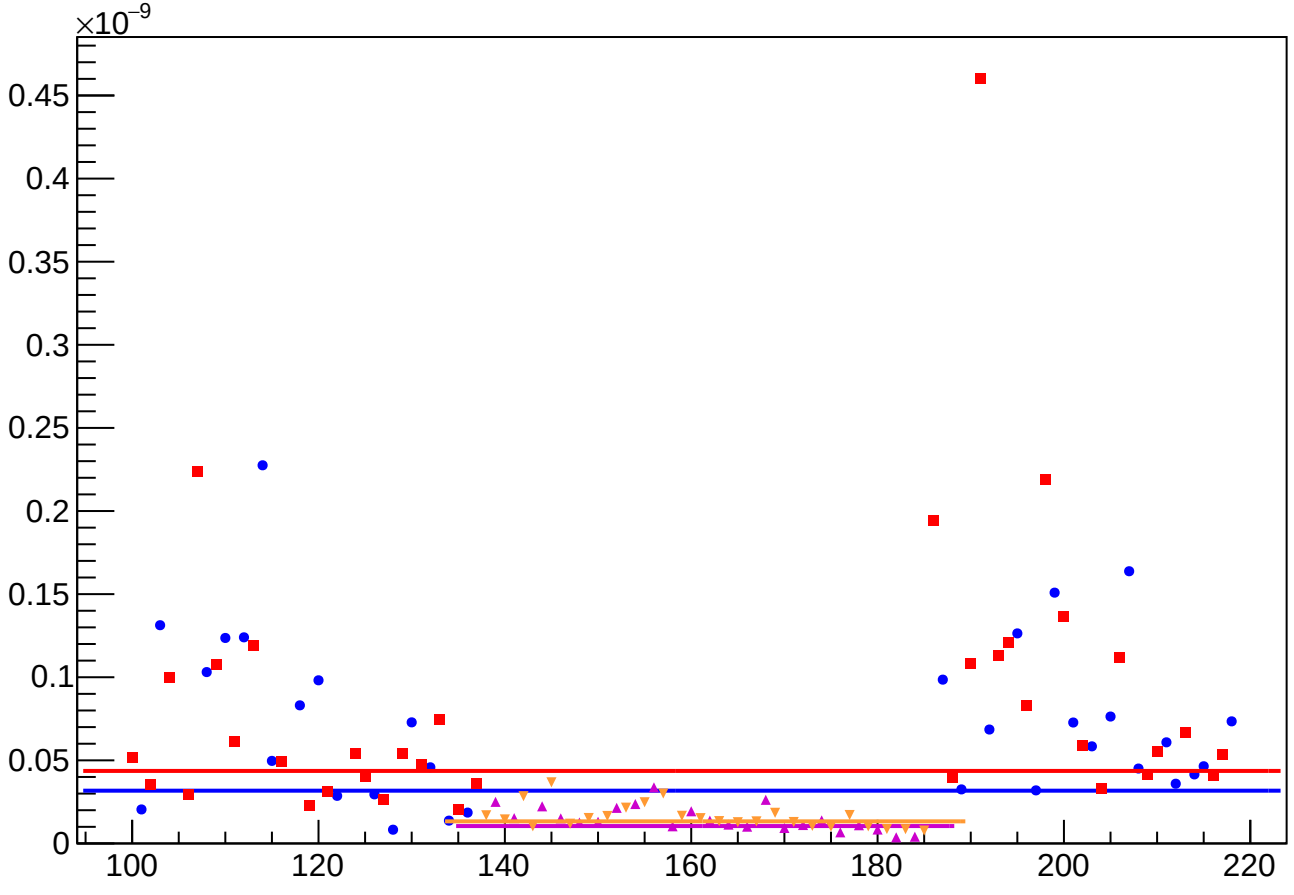
Right Out: 0.000+/-0.000 χ^2/NDF: 20.9/35

Left In: 0.000+/-0.000 χ^2/NDF:32.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 61.7/56

All: 0.000+/-0.000 χ^2/NDF: 117.1/115

- sign 0.000+/-0.000 χ^2/NDF: 53.4/58



Right In: 0.000+/-0.000 χ^2/NDF: 6131998.8/31

Left Out: 0.000+/-0.000 χ^2/NDF:1472019.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4132259.7/35

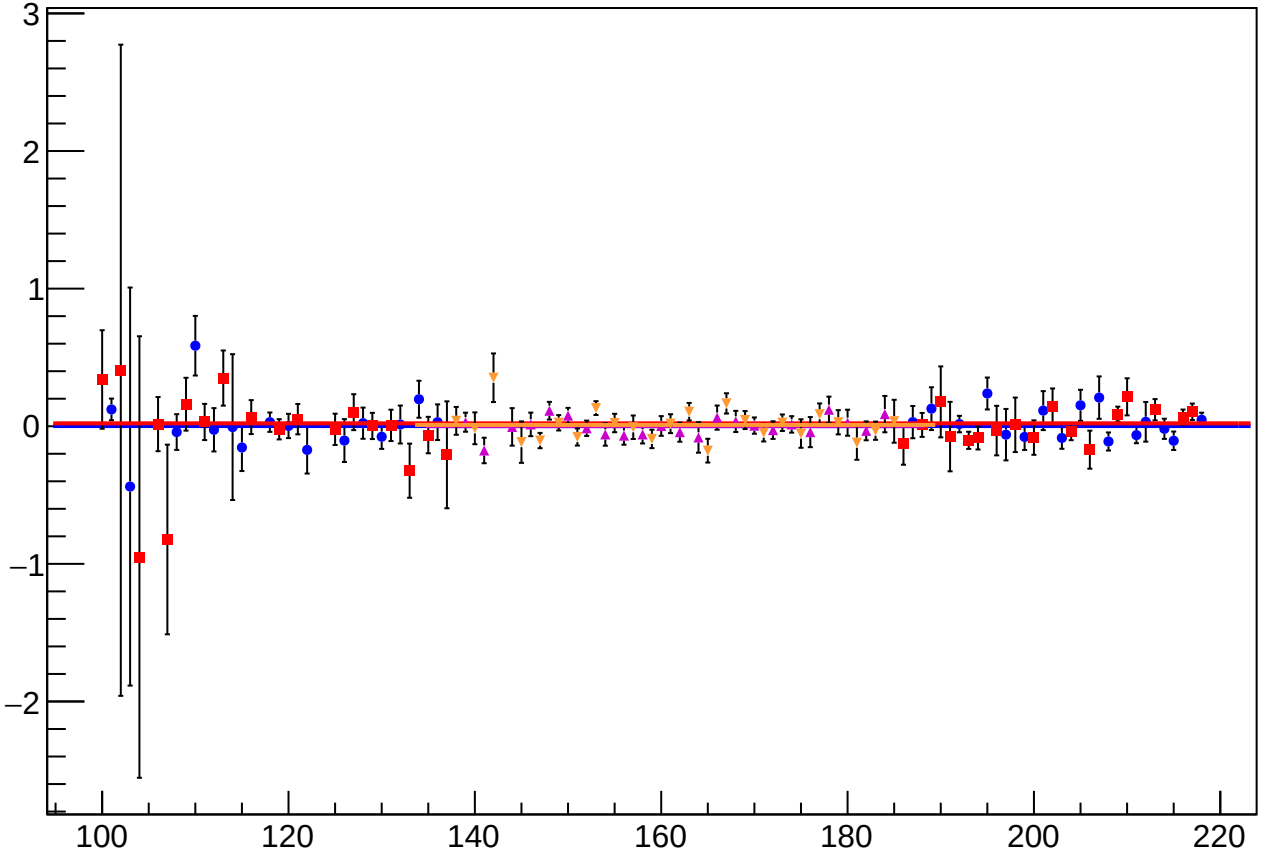
Left In: 0.000+/-0.000 χ^2/NDF:2813965.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 10614729.4/56

All: 0.000+/-0.000 χ^2/NDF: 24572209.1/115

- sign 0.000+/-0.000 χ^2/NDF: 13620713.1/58

asym_atl1_dit_vs_cor_diff_mean vs Slug



Right In: 0.001+/-0.017 χ^2/NDF: 34.1/31

Left Out: 0.009+/-0.015 χ^2/NDF:34.7/23

Right Out: 0.021+/-0.018 χ^2/NDF: 30.3/34

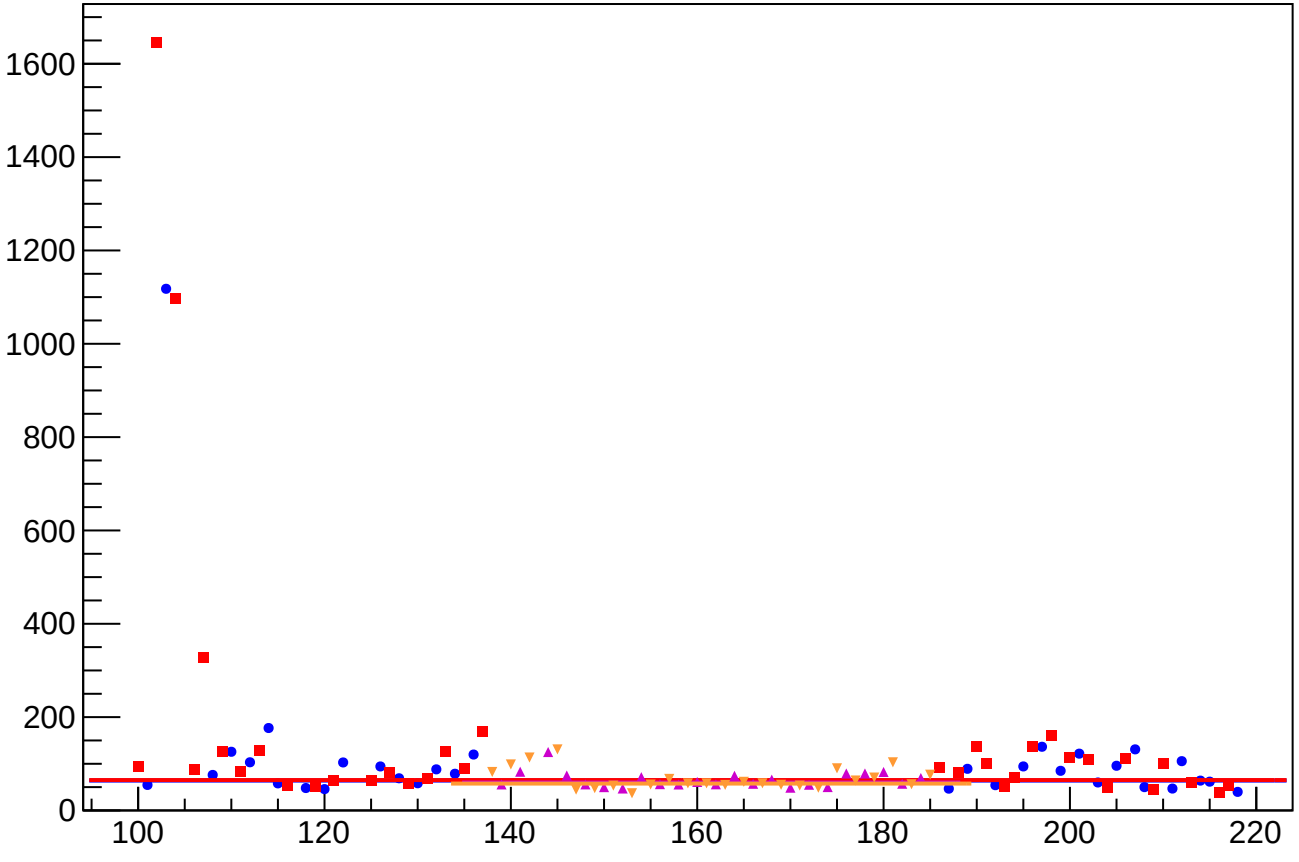
Left In: 0.001+/-0.015 χ^2/NDF:15.6/22

+ sign 0.006+/-0.011 χ^2/NDF: 68.9/55

All: 0.008+/-0.008 χ^2/NDF: 115.6/113

- sign 0.010+/-0.012 χ^2/NDF: 46.6/57

asym_atl1_dit_vs_cor_diff_rms vs Slug



Right In: 64.054+/-0.012 χ^2/NDF: 4757501.1/31

Left Out: 57.606+/-0.011 χ^2/NDF:2213142.2/23

Right Out: 65.117+/-0.013 χ^2/NDF: 6097331.8/34

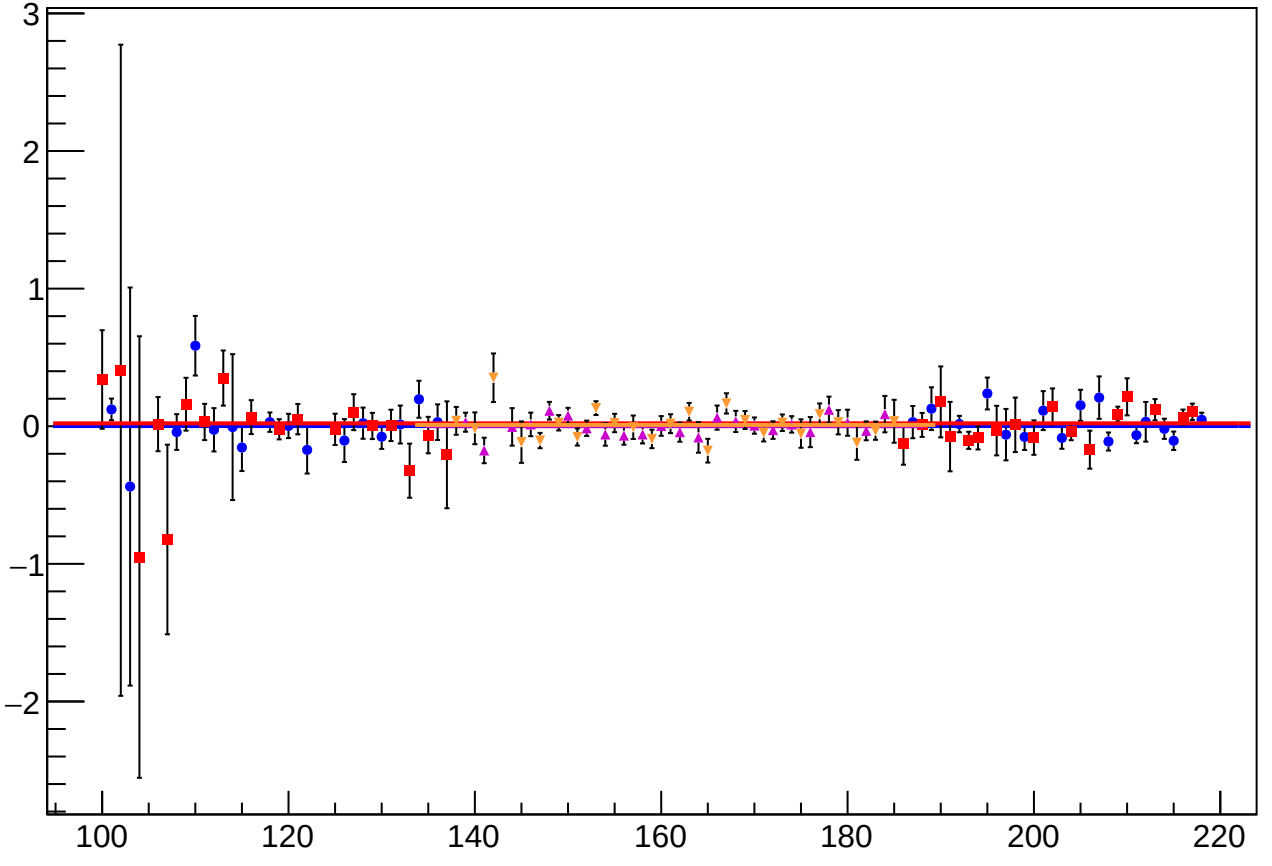
Left In: 59.828+/-0.011 χ^2/NDF:1340700.1/22

+ sign 60.423+/-0.008 χ^2/NDF: 7129835.3/55

All: 61.240+/-0.006 χ^2/NDF: 14689741.5/113

- sign 62.108+/-0.008 χ^2/NDF: 7538503.8/57

asym_atl1_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.001+/-0.017 χ^2/NDF: 34.1/31

Left Out: 0.009+/-0.015 χ^2/NDF:34.7/23

Right Out: 0.021+/-0.018 χ^2/NDF: 30.3/34

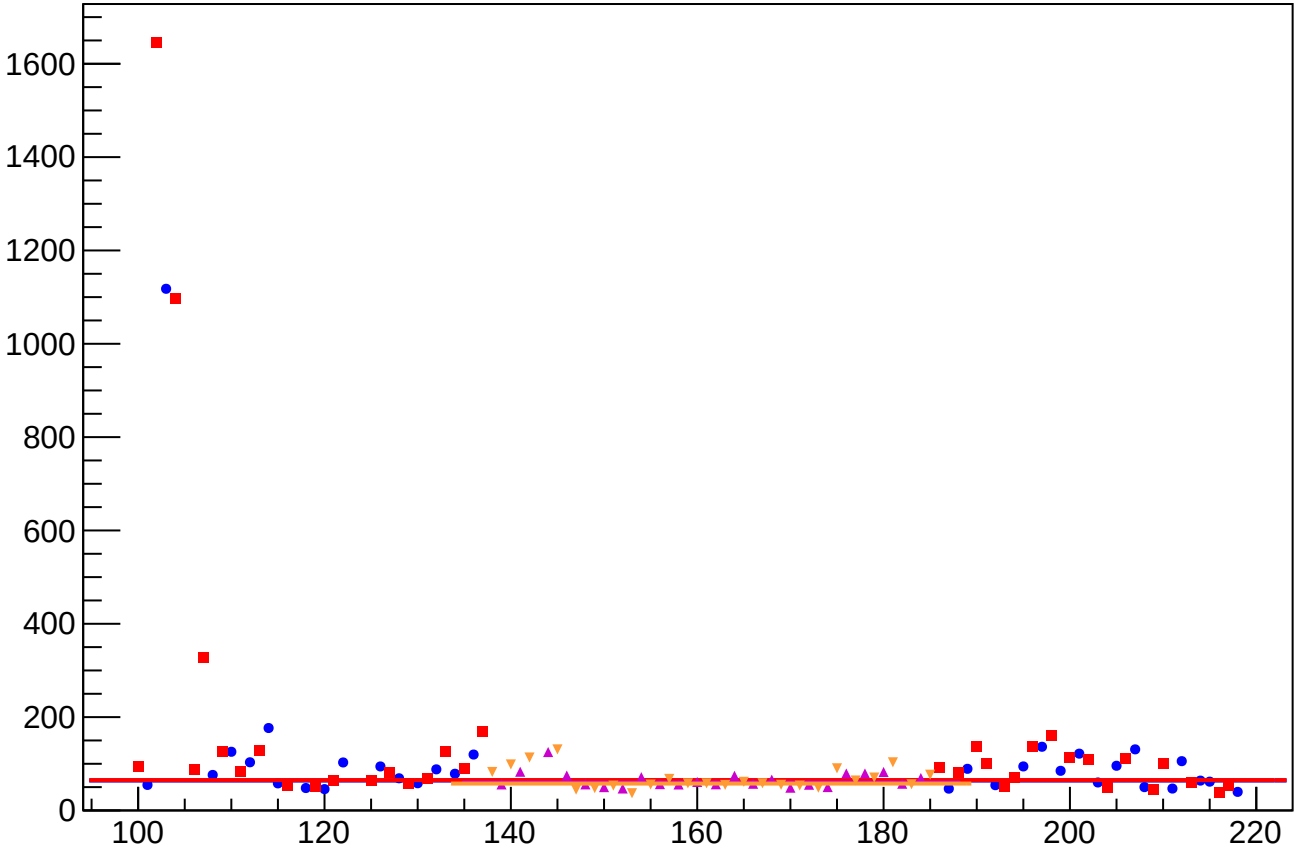
Left In: 0.001+/-0.015 χ^2/NDF:15.6/22

+ sign 0.006+/-0.011 χ^2/NDF: 68.9/55

All: 0.008+/-0.008 χ^2/NDF: 115.6/113

- sign 0.010+/-0.012 χ^2/NDF: 46.6/57

asym_atl1_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 64.054+/-0.012 χ^2/NDF: 4757501.1/31

Left Out: 57.606+/-0.011 χ^2/NDF:2213142.2/23

Right Out: 65.117+/-0.013 χ^2/NDF: 6097331.8/34

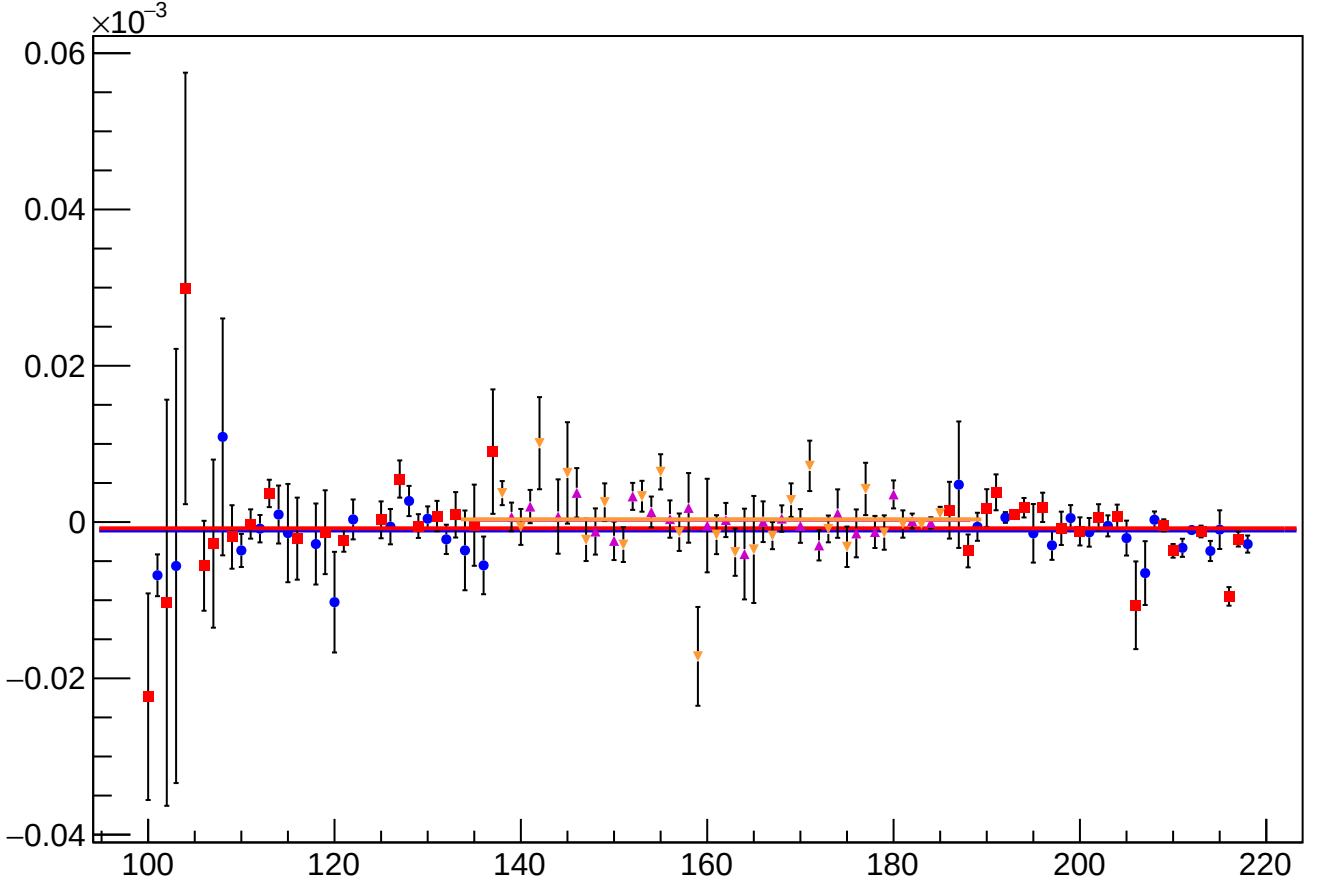
Left In: 59.828+/-0.011 χ^2/NDF:1340700.1/22

+ sign 60.423+/-0.008 χ^2/NDF: 7129835.3/55

All: 61.240+/-0.006 χ^2/NDF: 14689741.5/113

- sign 62.108+/-0.008 χ^2/NDF: 7538503.8/57

asym_atl1_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 39.0/31

Left Out: 0.000+/-0.000 χ^2/NDF:46.8/23

Right Out: -0.000+/-0.000 χ^2/NDF: 116.7/34

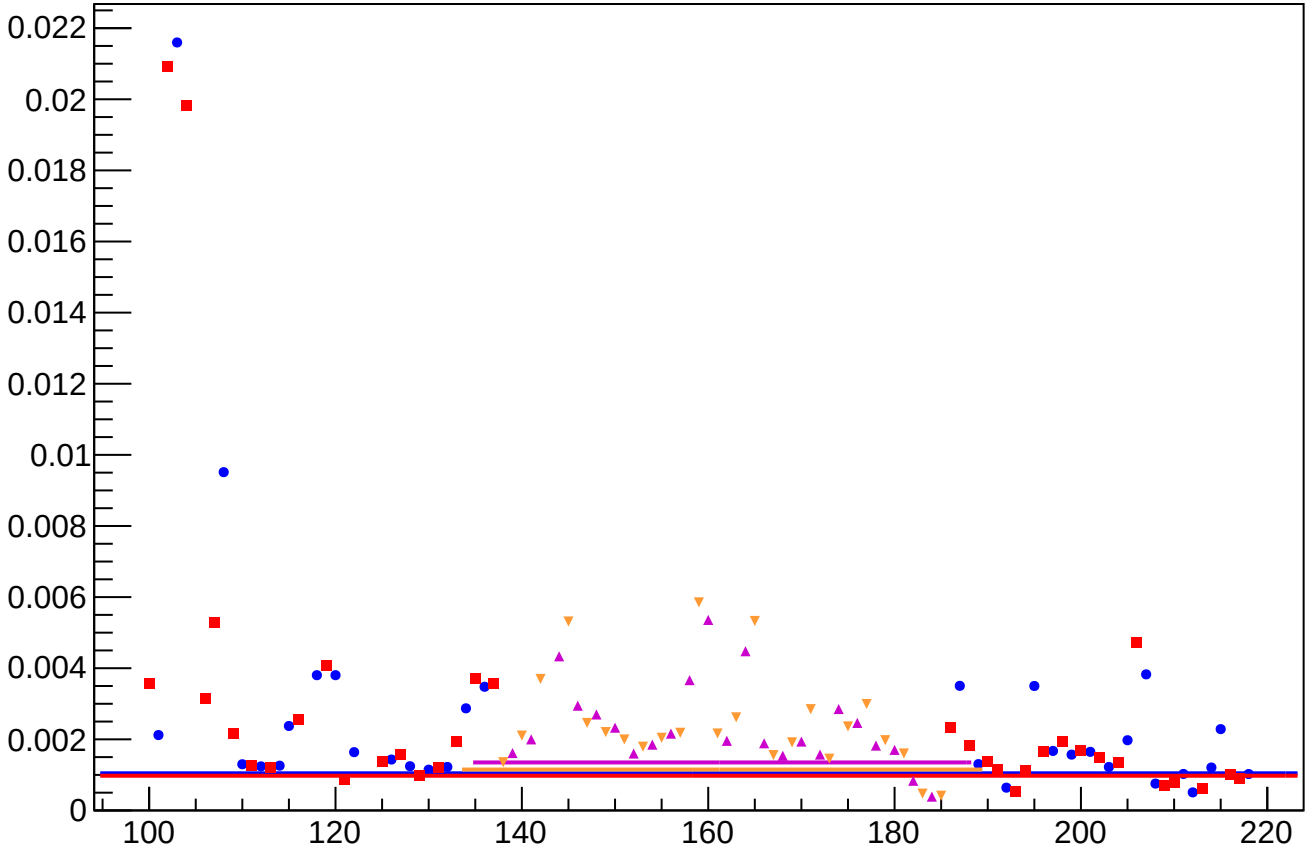
Left In: 0.000+/-0.000 χ^2/NDF:14.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 96.0/55

All: -0.000+/-0.000 χ^2/NDF: 233.2/113

- sign -0.000+/-0.000 χ^2/NDF: 137.2/57

asym_atl1_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 10564993.8/31

Left Out: 0.001+/-0.000 χ^2/NDF:13242273.9/23

Right Out: 0.001+/-0.000 χ^2/NDF: 9872622.0/34

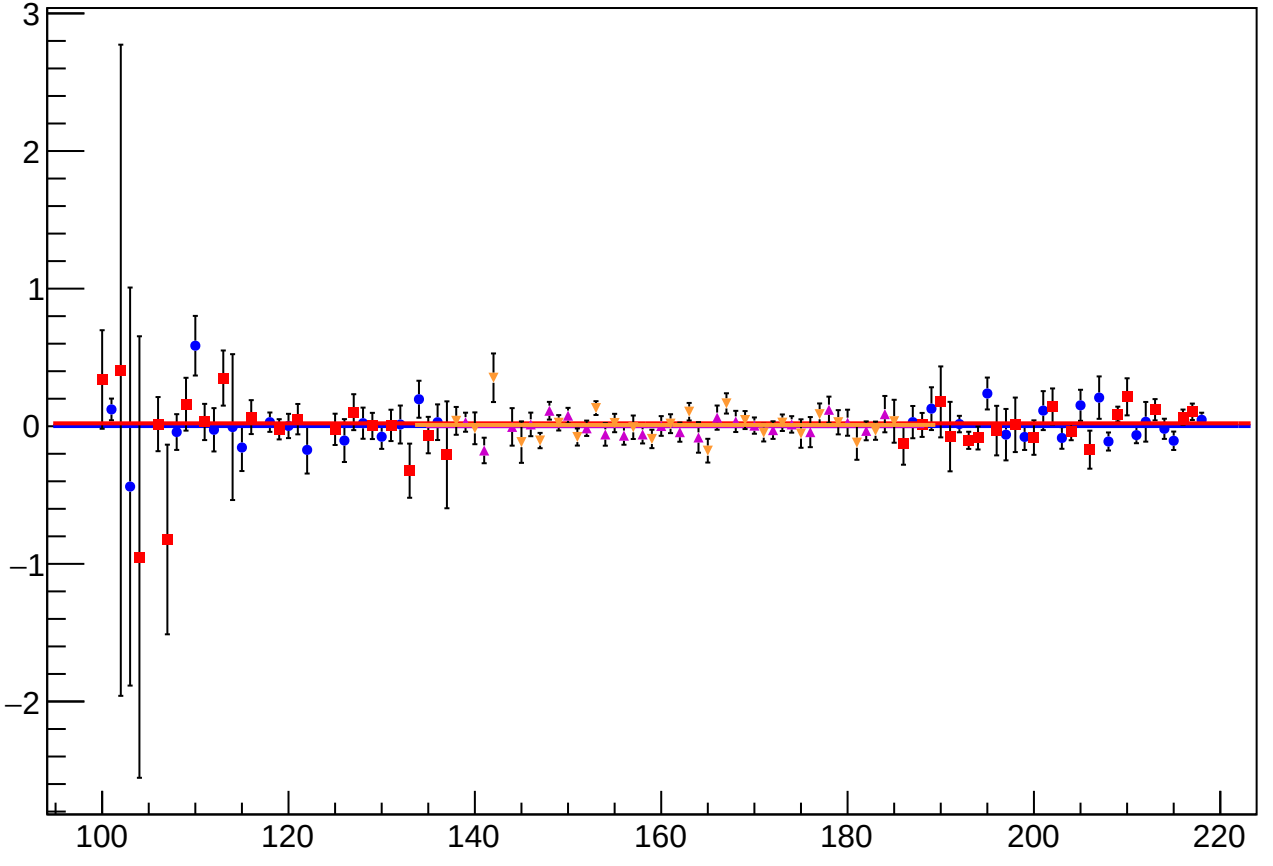
Left In: 0.001+/-0.000 χ^2/NDF:10247159.8/22

+ sign 0.001+/-0.000 χ^2/NDF: 23921329.3/55

All: 0.001+/-0.000 χ^2/NDF: 45349078.8/113

- sign 0.001+/-0.000 χ^2/NDF: 21426512.6/57

asym_atl1_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.001+/-0.017 χ^2/NDF: 34.1/31

Left Out: 0.009+/-0.015 χ^2/NDF:34.7/23

Right Out: 0.021+/-0.018 χ^2/NDF: 30.3/34

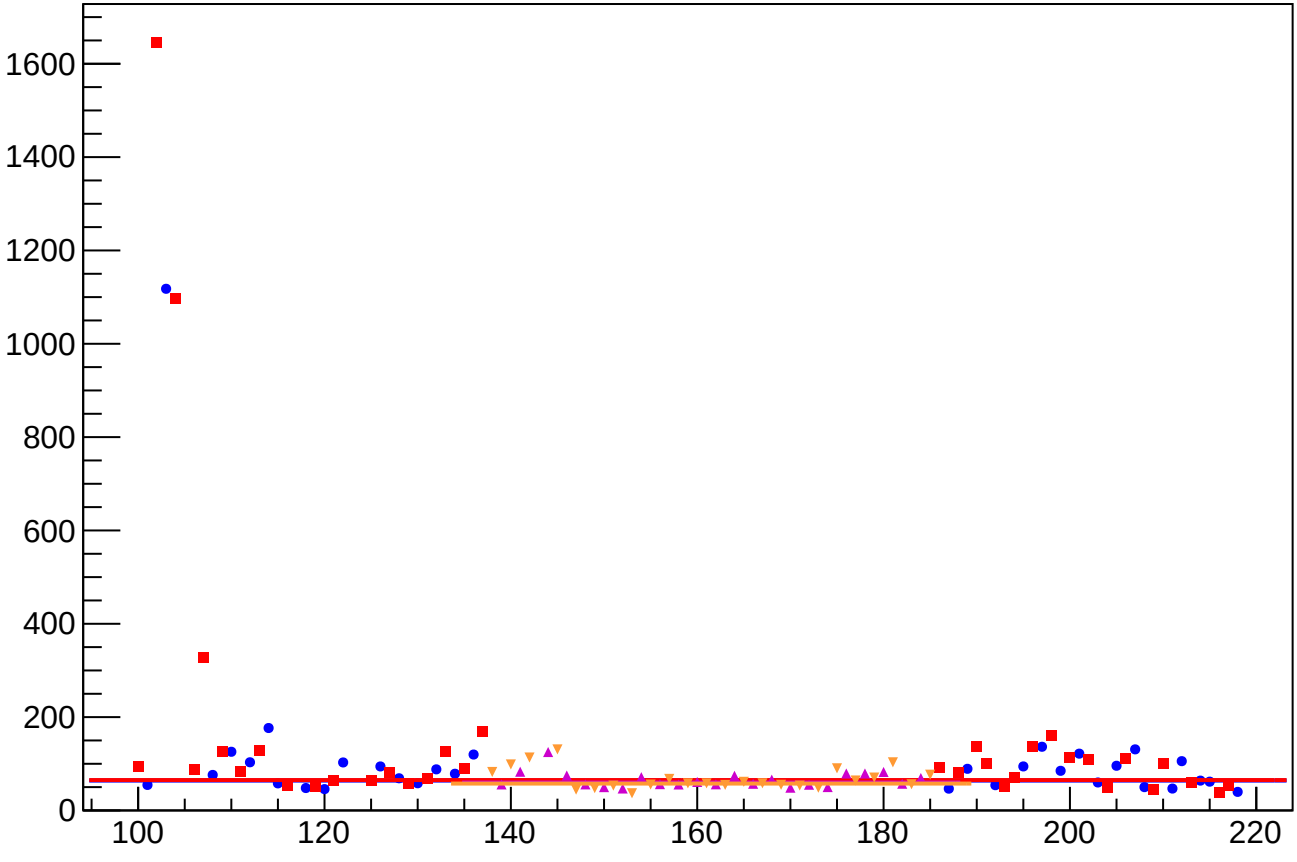
Left In: 0.001+/-0.015 χ^2/NDF:15.6/22

+ sign 0.006+/-0.011 χ^2/NDF: 68.9/55

All: 0.008+/-0.008 χ^2/NDF: 115.6/113

- sign 0.010+/-0.012 χ^2/NDF: 46.6/57

asym_atl1_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 64.053+/-0.012 χ^2/NDF: 4757653.1/31

Left Out: 57.606+/-0.011 χ^2/NDF:2213216.3/23

Right Out: 65.117+/-0.013 χ^2/NDF: 6097346.5/34

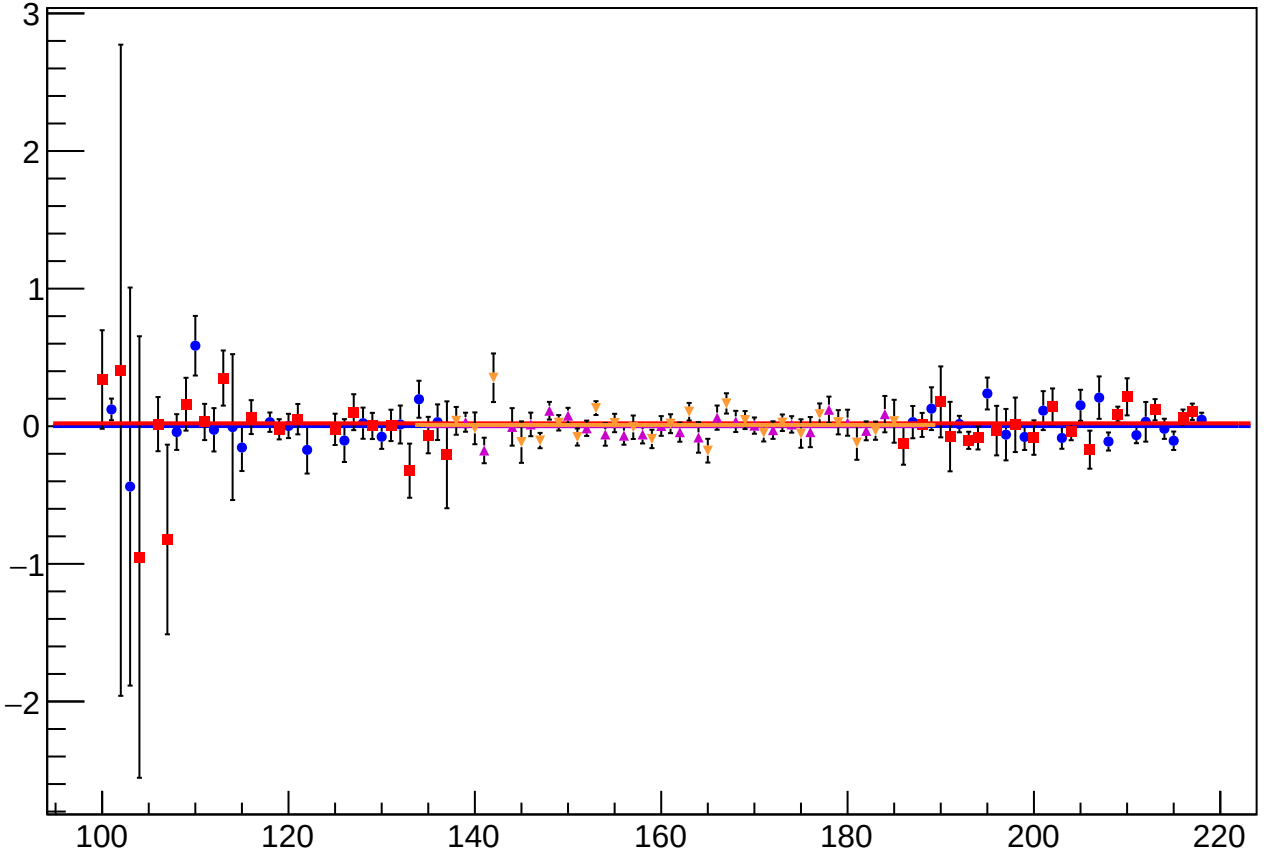
Left In: 59.828+/-0.011 χ^2/NDF:1340684.6/22

+ sign 60.423+/-0.008 χ^2/NDF: 7130040.7/55

All: 61.240+/-0.006 χ^2/NDF: 14689947.6/113

- sign 62.108+/-0.008 χ^2/NDF: 7538497.4/57

asym_atl1_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.001+/-0.017 χ^2/NDF: 34.1/31

Left Out: 0.009+/-0.015 χ^2/NDF:34.7/23

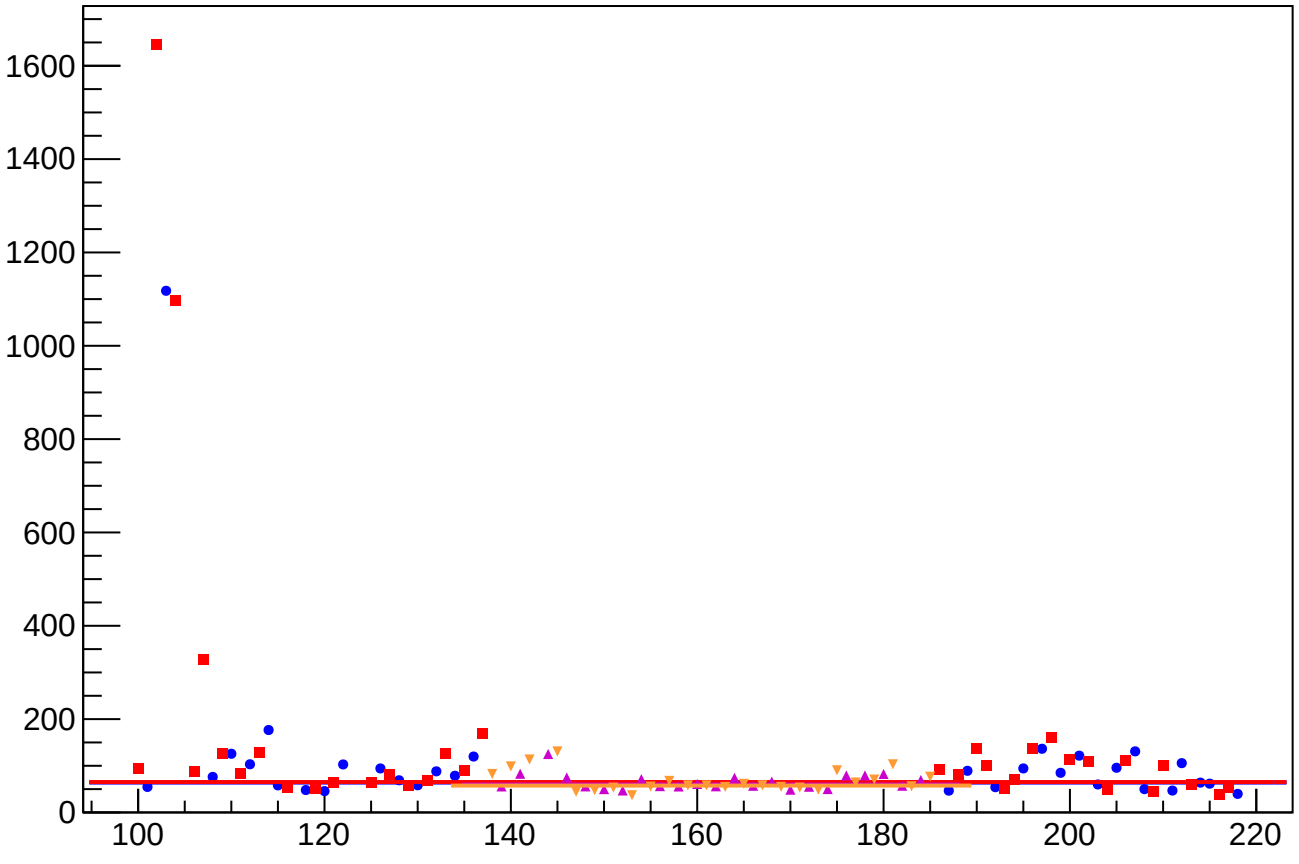
Right Out: 0.021+/-0.018 χ^2/NDF: 30.3/34

Left In: 0.001+/-0.015 χ^2/NDF:15.6/22

+ sign 0.006+/-0.011 χ^2/NDF: 68.9/55

All: 0.008+/-0.008 χ^2/NDF: 115.6/113

- sign 0.010+/-0.012 χ^2/NDF: 46.6/57



Right In: 64.053+/-0.012 χ^2/NDF: 4757653.1/31

Left Out: 57.606+/-0.011 χ^2/NDF:2213216.3/23

Right Out: 65.117+/-0.013 χ^2/NDF: 6097346.5/34

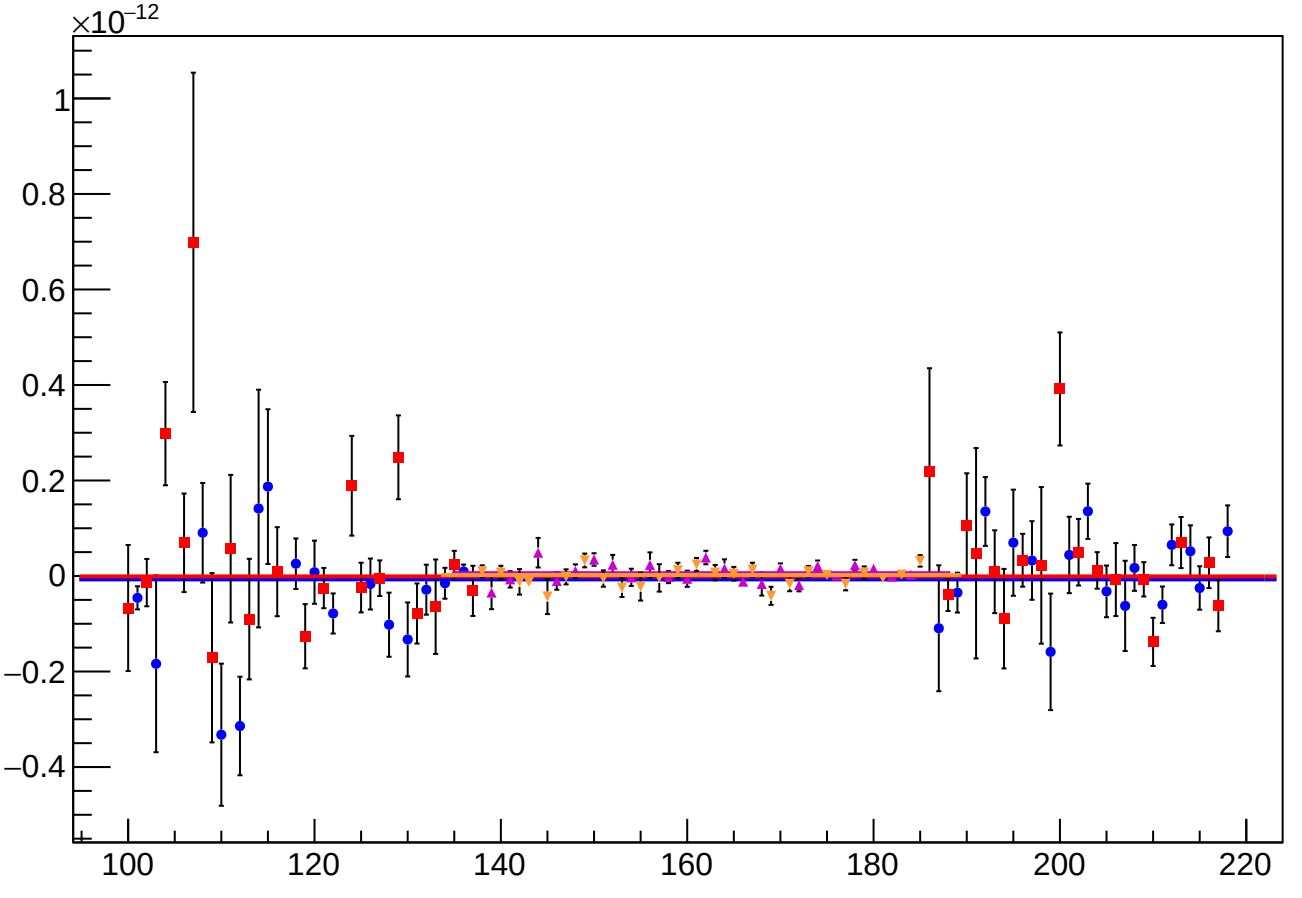
Left In: 59.828+/-0.011 χ^2/NDF:1340684.6/22

+ sign 60.423+/-0.008 χ^2/NDF: 7130040.7/55

All: 61.240+/-0.006 χ^2/NDF: 14689947.6/113

- sign 62.108+/-0.008 χ^2/NDF: 7538497.4/57

asym_atl1_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 53.4/31

Left Out: 0.000+/-0.000 χ^2/NDF:31.9/24

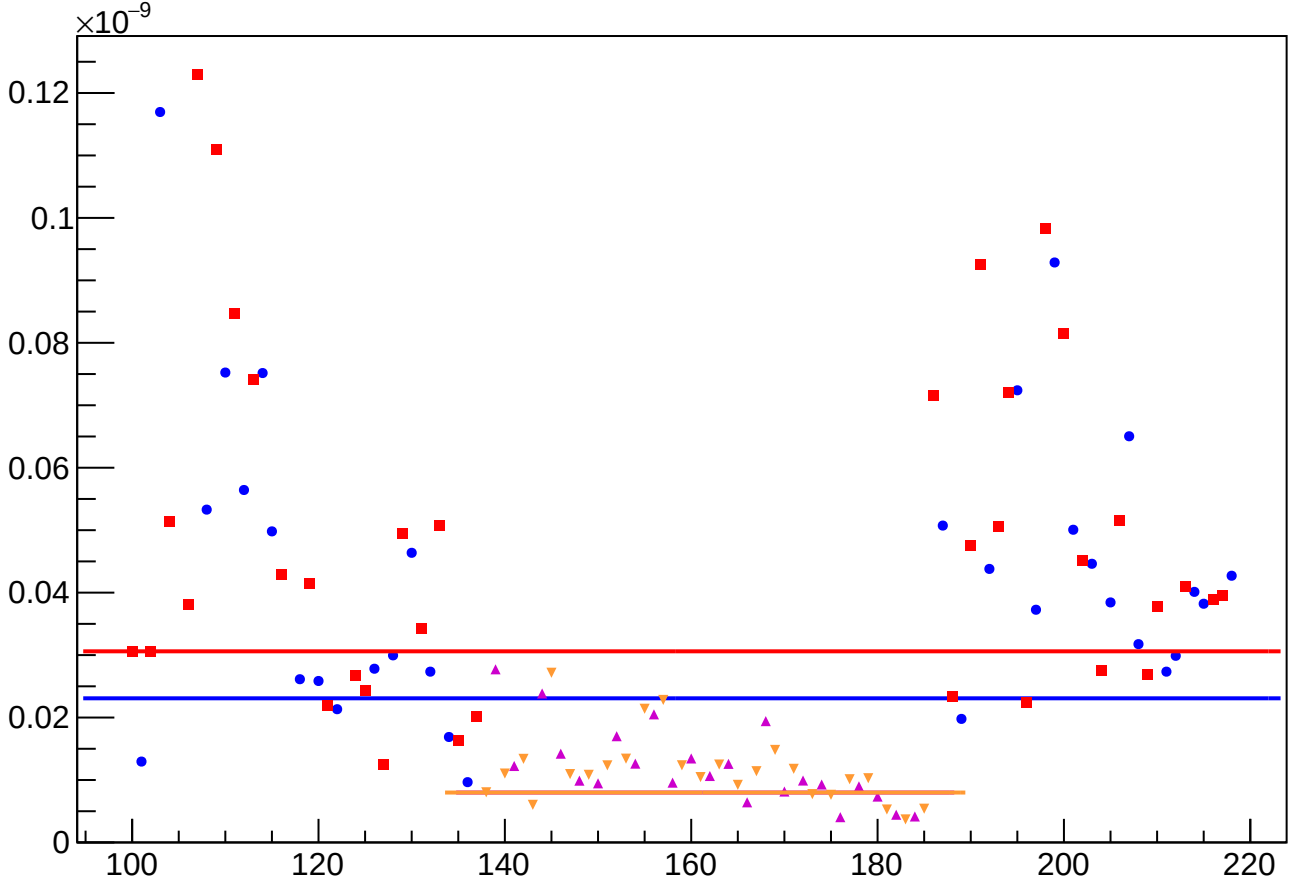
Right Out: -0.000+/-0.000 χ^2/NDF: 59.1/35

Left In: 0.000+/-0.000 χ^2/NDF:32.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 86.4/56

All: 0.000+/-0.000 χ^2/NDF: 180.1/115

- sign 0.000+/-0.000 χ^2/NDF: 92.1/58



Right In: 0.000+/-0.000 χ^2/NDF: 6930977.5/31

Left Out: 0.000+/-0.000 χ^2/NDF:4887759.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4574767.9/35

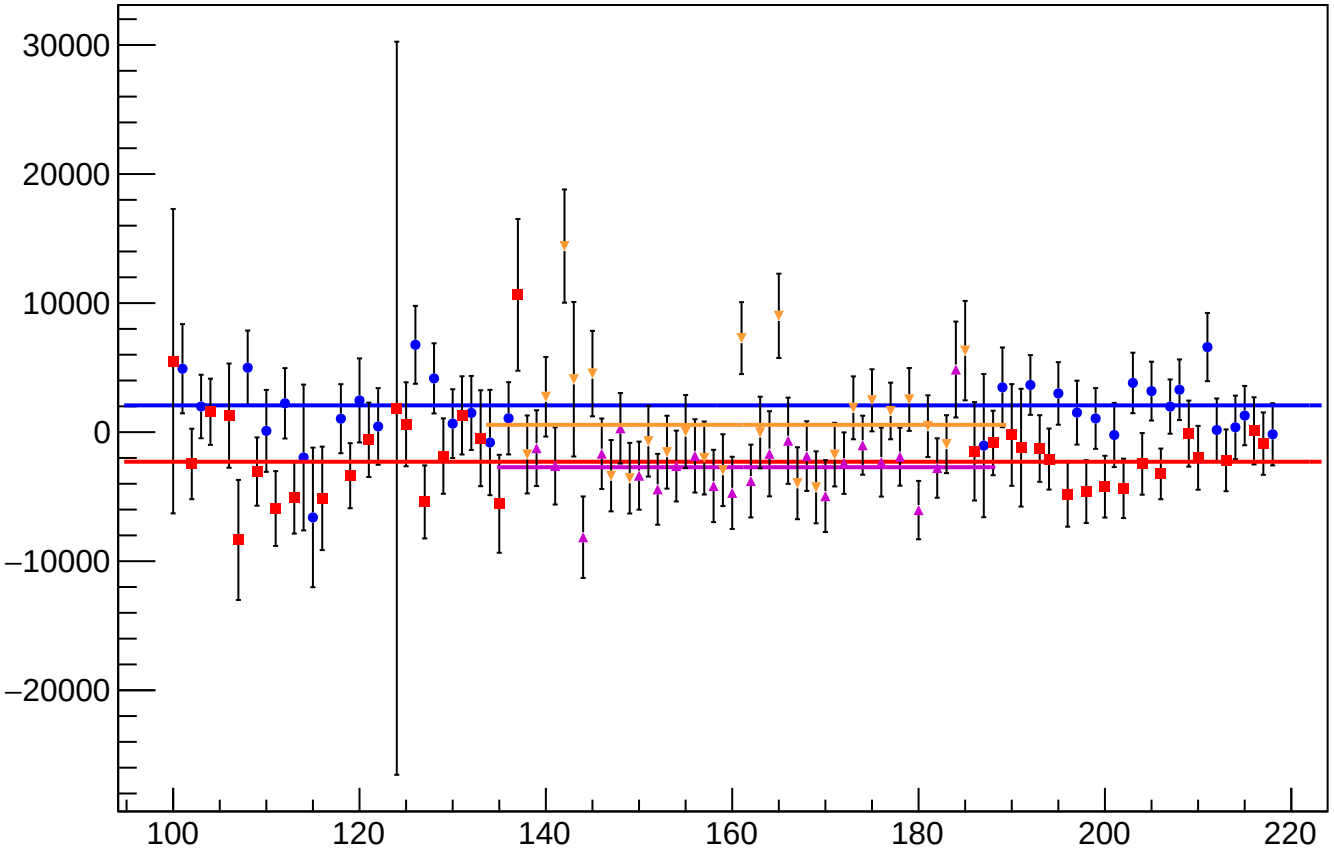
Left In: 0.000+/-0.000 χ^2/NDF:5188583.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 18035243.4/56

All: 0.000+/-0.000 χ^2/NDF: 37251785.0/115

- sign 0.000+/-0.000 χ^2/NDF: 19214776.3/58

reg_asym_atl2_mean vs Slug



Right In: 2074.481+/-480.563 χ^2/NDF: 17.9/31

Left Out: 562.390+/-557.316 χ^2/NDF:43.9/24

Right Out: -2293.553+/-479.169 χ^2/NDF: 24.6/35

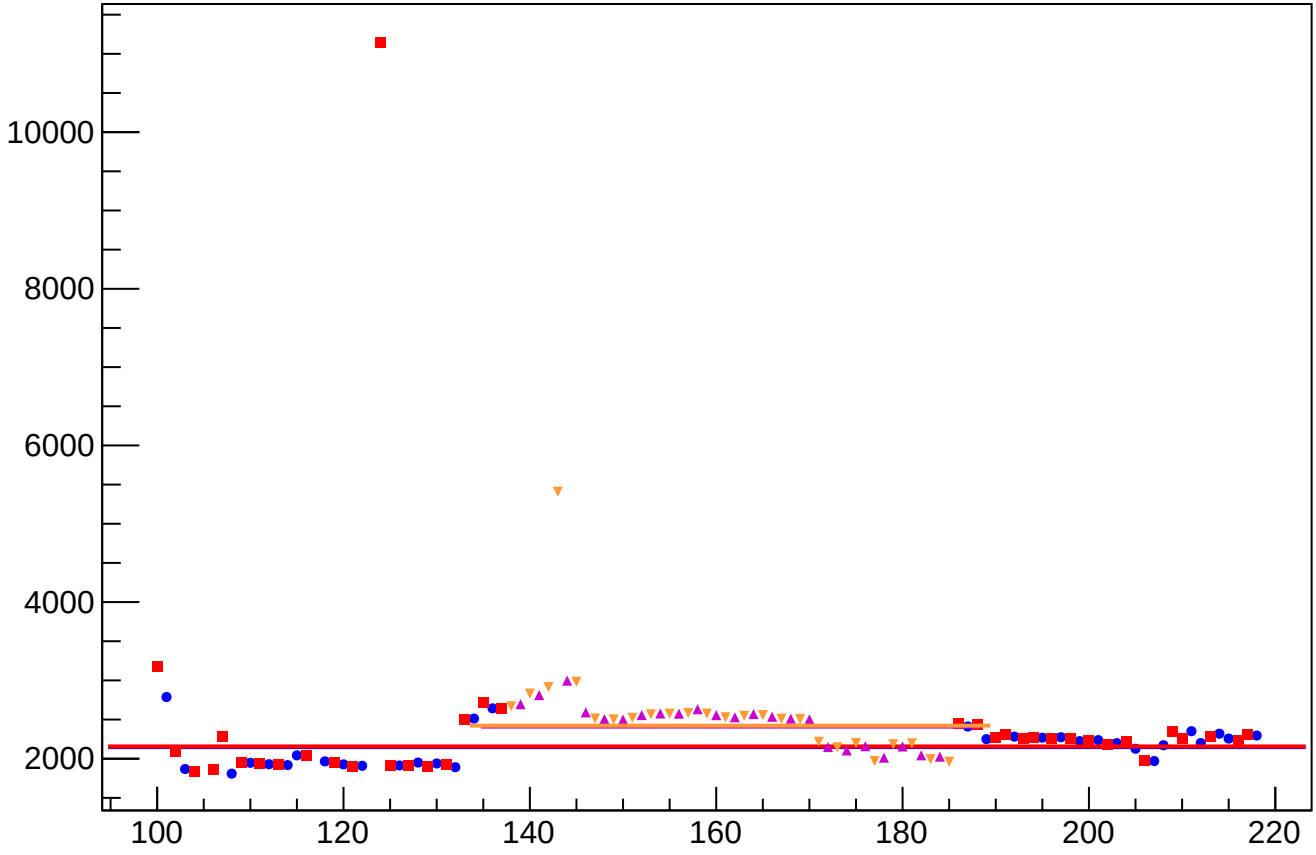
Left In: -2716.200+/-566.202 χ^2/NDF:14.3/22

+ sign 1429.650+/-363.945 χ^2/NDF: 66.0/56

All: -510.403+/-257.990 χ^2/NDF: 162.3/115

- sign -2469.931+/-365.767 χ^2/NDF: 39.2/58

reg_asym_atl2_rms vs Slug



Right In: 2148.082+/-0.340 χ^2/NDF: 385758.1/31

Left Out: 2422.152+/-0.394 χ^2/NDF:952857.9/24

Right Out: 2156.960+/-0.339 χ^2/NDF: 561522.2/35

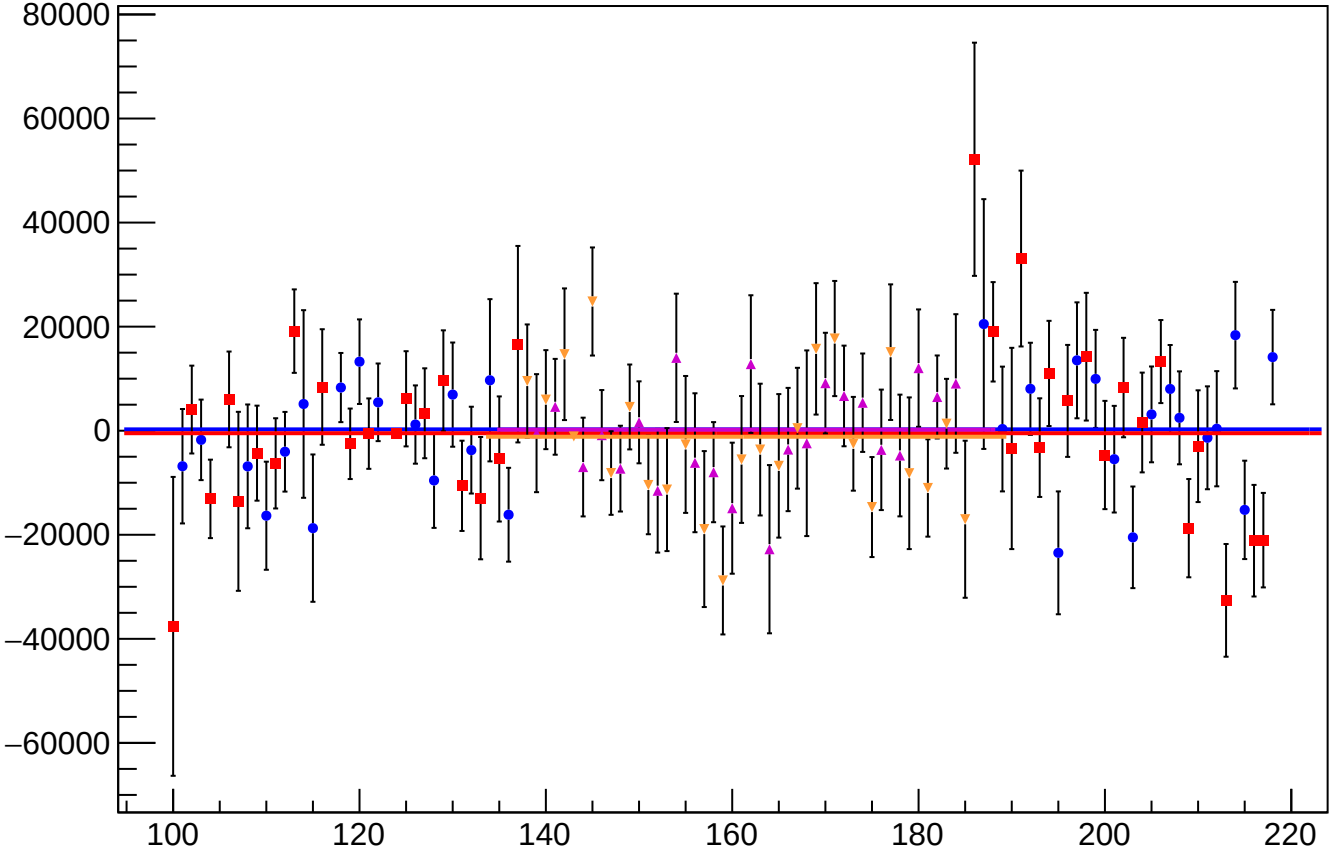
Left In: 2409.820+/-0.400 χ^2/NDF:428364.2/22

+ sign 2264.959+/-0.257 χ^2/NDF: 1616024.2/56

All: 2263.727+/-0.182 χ^2/NDF: 2838379.6/11

- sign 2262.483+/-0.259 χ^2/NDF: 1222309.3/58

asym_atl2_reg_correction_mean vs Slug



Right In: 255.914+/-1689.863 χ^2/NDF: 37.6/31

Left Out: -1158.214+/-757.797 χ^2/NDF:31.9/24

Right Out: -480.926+/-736.119 χ^2/NDF: 60.7/35

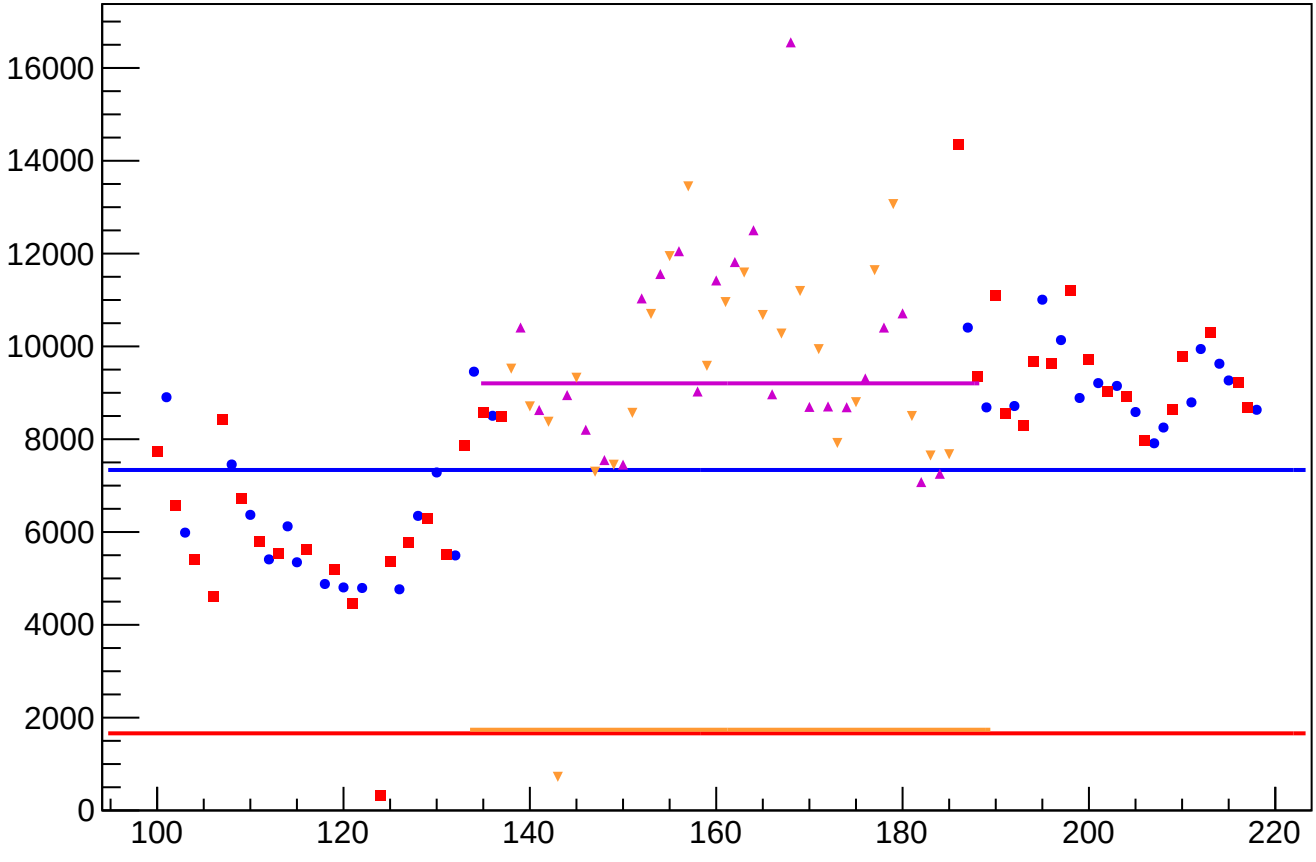
Left In: 209.655+/-2195.058 χ^2/NDF:13.4/22

+ sign -921.451+/-691.455 χ^2/NDF: 70.1/56

All: -668.657+/-491.202 χ^2/NDF: 144.6/115

- sign -411.114+/-697.920 χ^2/NDF: 74.2/58

asym_atl2_reg_correction_rms vs Slug



Right In: 7337.005+/-1.195 χ^2/NDF: 2480040.7/31

Left Out: 1739.692+/-0.536 χ^2/NDF:27734045.9/24

Right Out: 1661.855+/-0.521 χ^2/NDF: 30744641.1/35

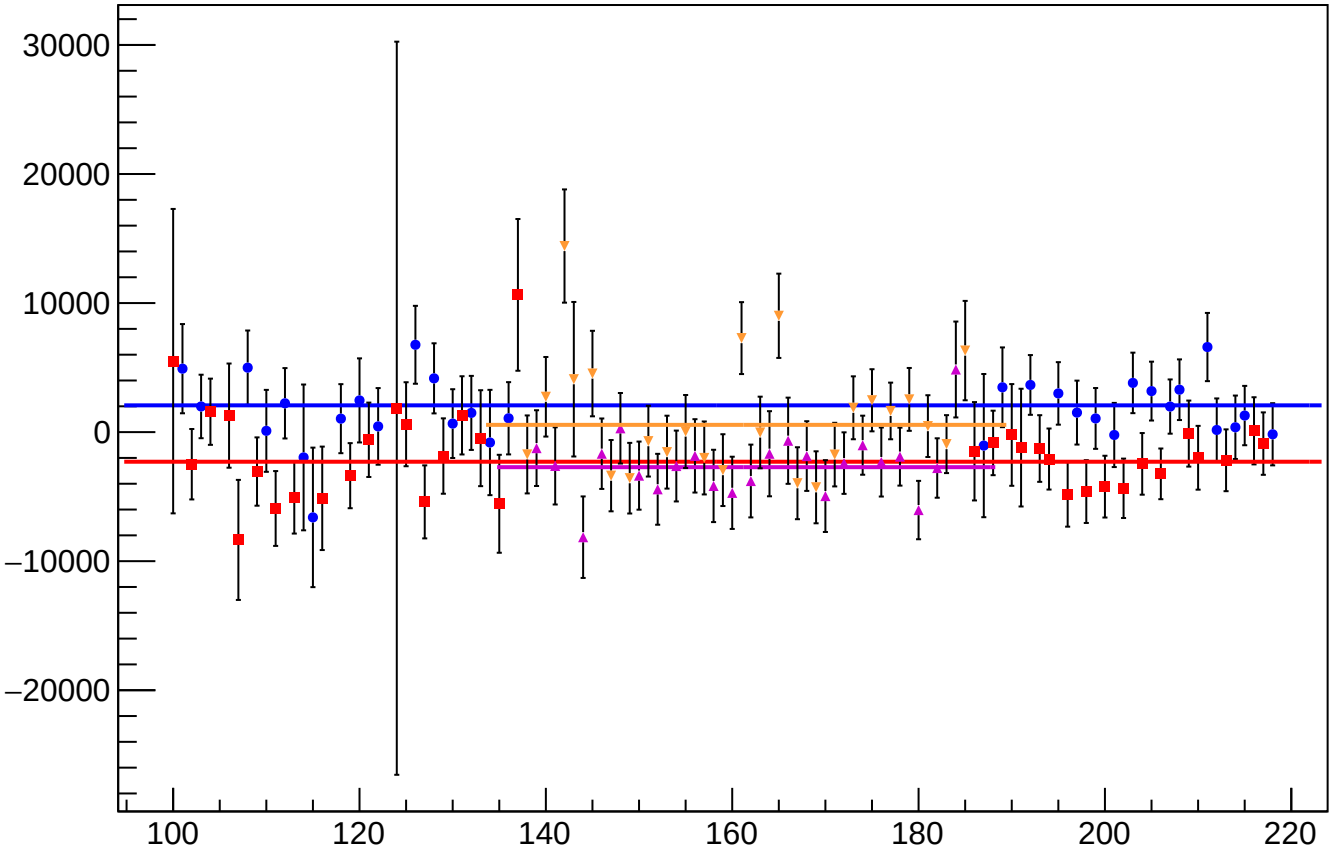
Left In: 9203.758+/-1.552 χ^2/NDF:1272066.5/22

+ sign 2676.832+/-0.489 χ^2/NDF: 48482824.3/56

All: 2551.734+/-0.347 χ^2/NDF: 101855081.5

- sign 2424.285+/-0.494 χ^2/NDF: 53240098.6/58

cor_asym_atl2_mean vs Slug



Right In: 2074.450+/-480.563 χ^2/NDF: 17.9/31

Left Out: 562.392+/-557.316 χ^2/NDF:43.9/24

Right Out: -2294.277+/-479.171 χ^2/NDF: 24.6/35

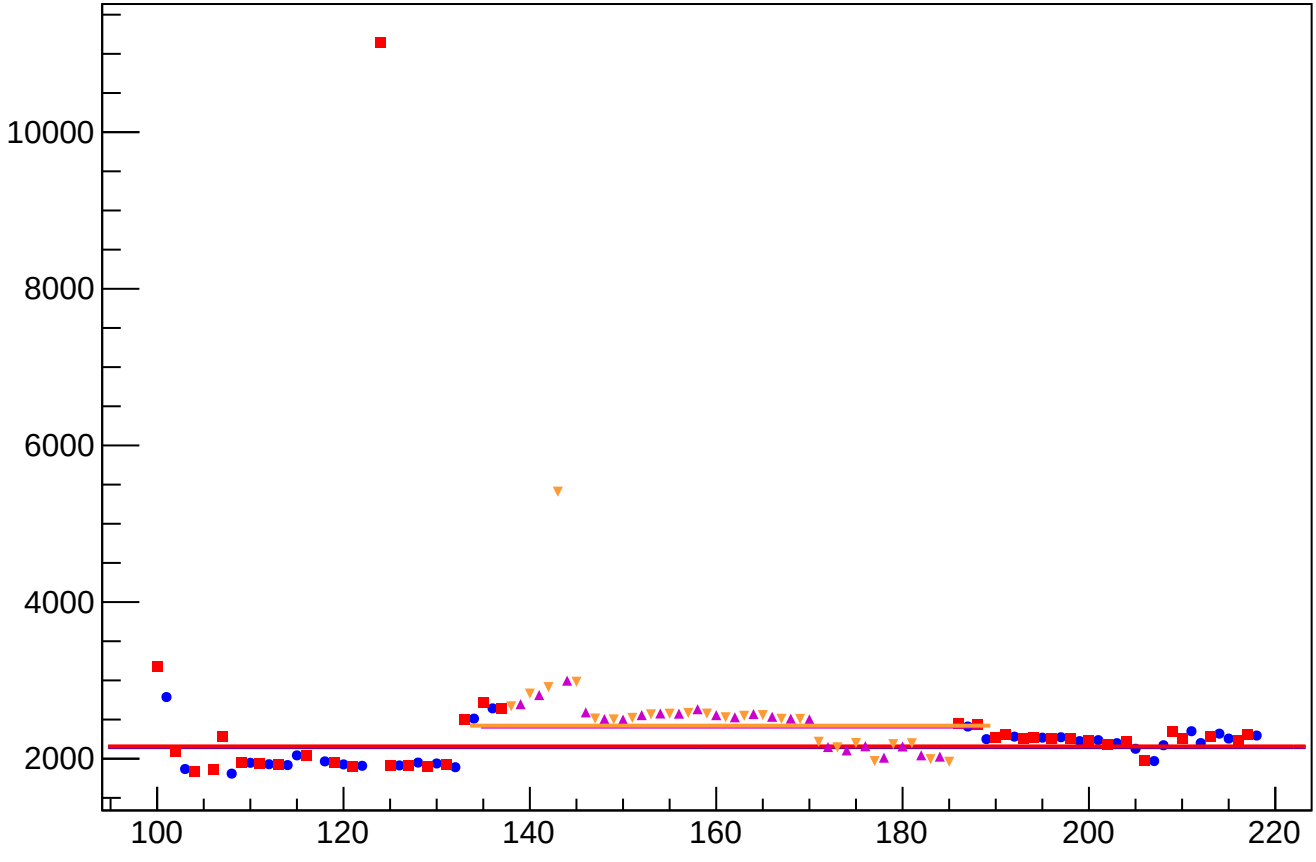
Left In: -2716.163+/-566.202 χ^2/NDF:14.3/22

+ sign 1429.633+/-363.945 χ^2/NDF: 66.0/56

All: -510.609+/-257.990 χ^2/NDF: 162.4/115

- sign -2470.338+/-365.768 χ^2/NDF: 39.2/58

cor_asym_atl2_rms vs Slug



Right In: 2148.082+/-0.340 χ^2/NDF: 385758.0/31

Left Out: 2422.152+/-0.394 χ^2/NDF:952857.9/24

Right Out: 2156.970+/-0.339 χ^2/NDF: 561512.2/35

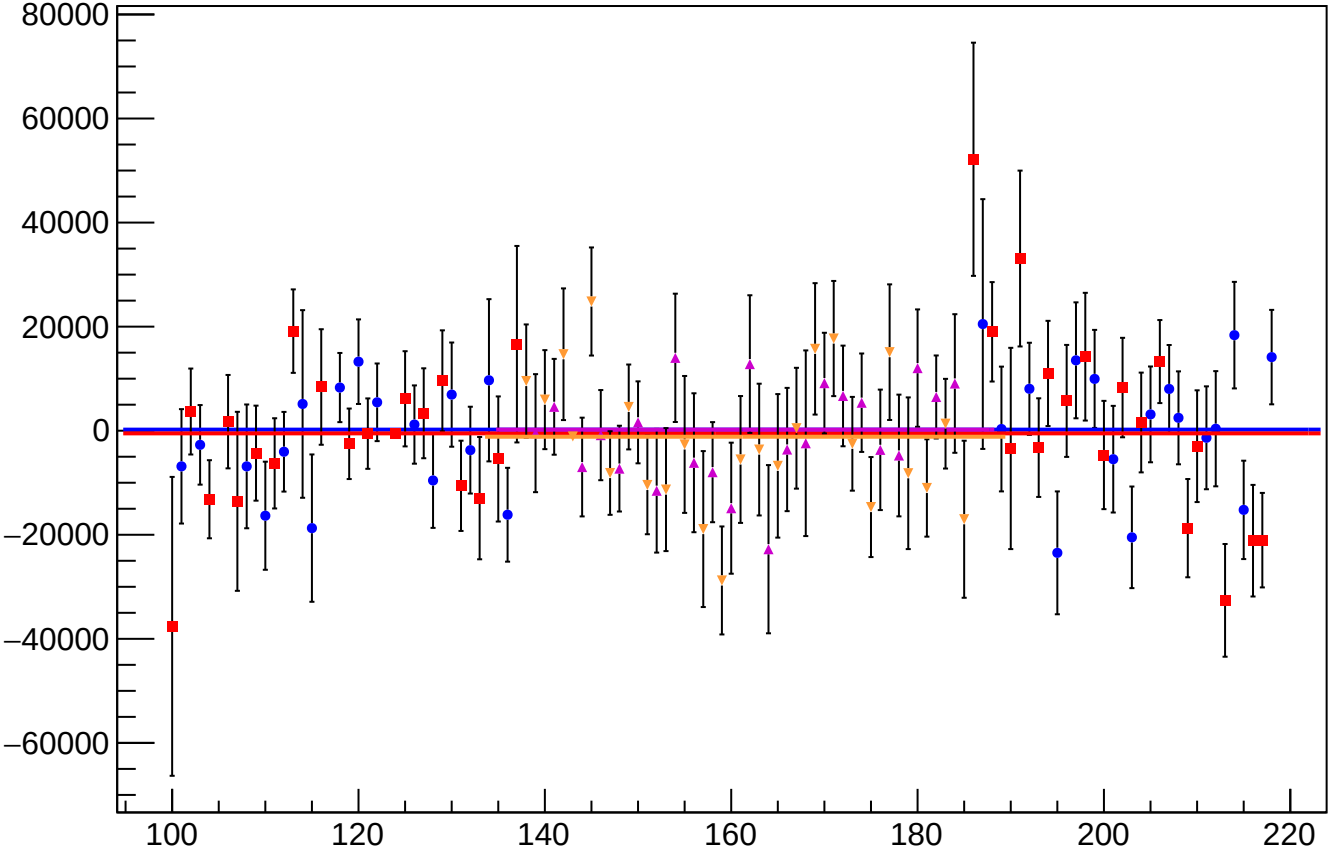
Left In: 2409.820+/-0.400 χ^2/NDF:428364.2/22

+ sign 2264.959+/-0.257 χ^2/NDF: 1616024.2/56

All: 2263.730+/-0.182 χ^2/NDF: 2838350.8/11

- sign 2262.489+/-0.259 χ^2/NDF: 1222280.7/58

asym_atl2_cor_correction_mean vs Slug



Right In: 206.366+/-1688.903 χ^2/NDF: 37.7/31

Left Out: -1157.974+/-757.732 χ^2/NDF:31.9/24

Right Out: -511.526+/-735.821 χ^2/NDF: 60.3/35

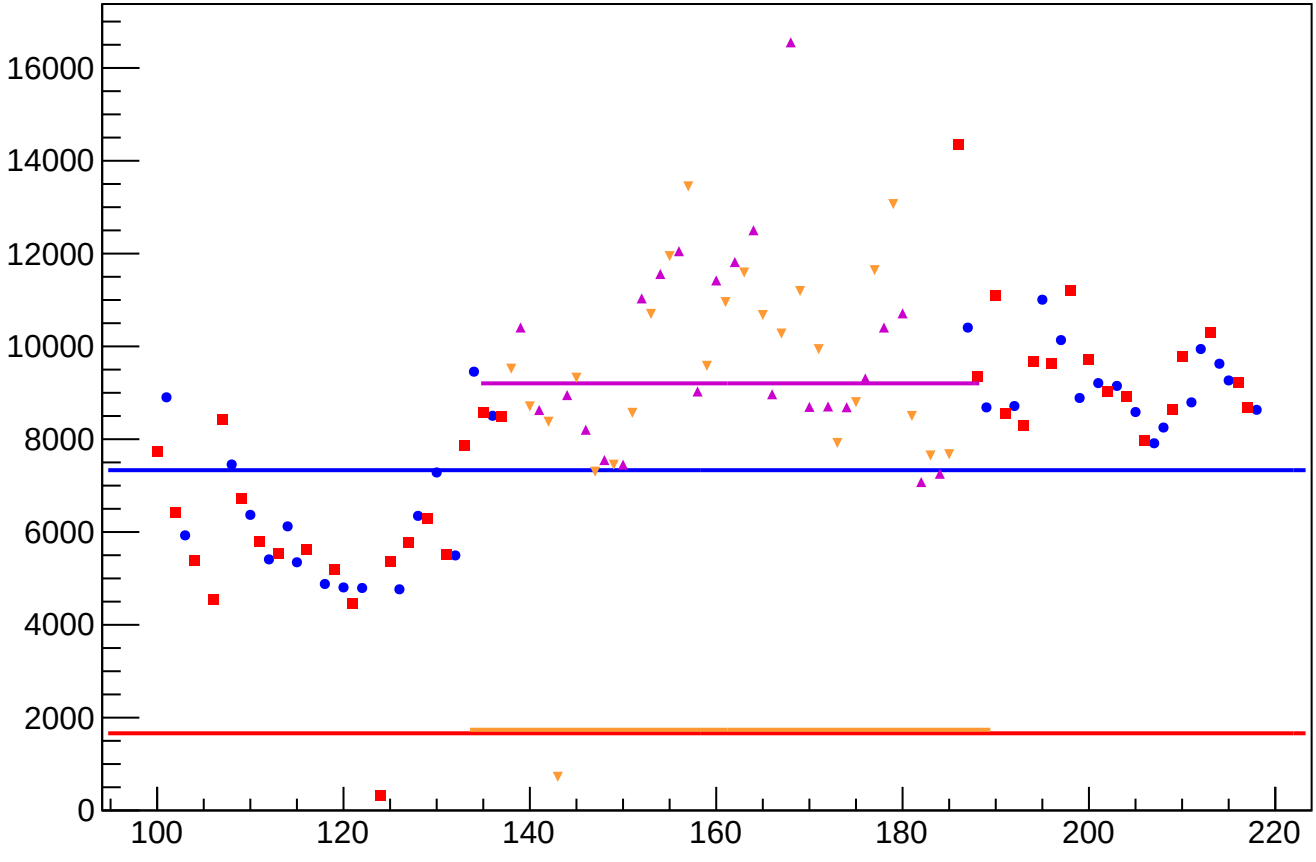
Left In: 209.500+/-2195.055 χ^2/NDF:13.4/22

+ sign -929.363+/-691.340 χ^2/NDF: 70.2/56

All: -686.260+/-491.072 χ^2/NDF: 144.2/115

- sign -438.688+/-697.666 χ^2/NDF: 73.8/58

asym_atl2_cor_correction_rms vs Slug



Right In: 7332.597+/-1.194 χ^2/NDF: 2486897.8/31

Left Out: 1739.457+/-0.536 χ^2/NDF:27735092.1/24

Right Out: 1662.891+/-0.520 χ^2/NDF: 30734230.0/35

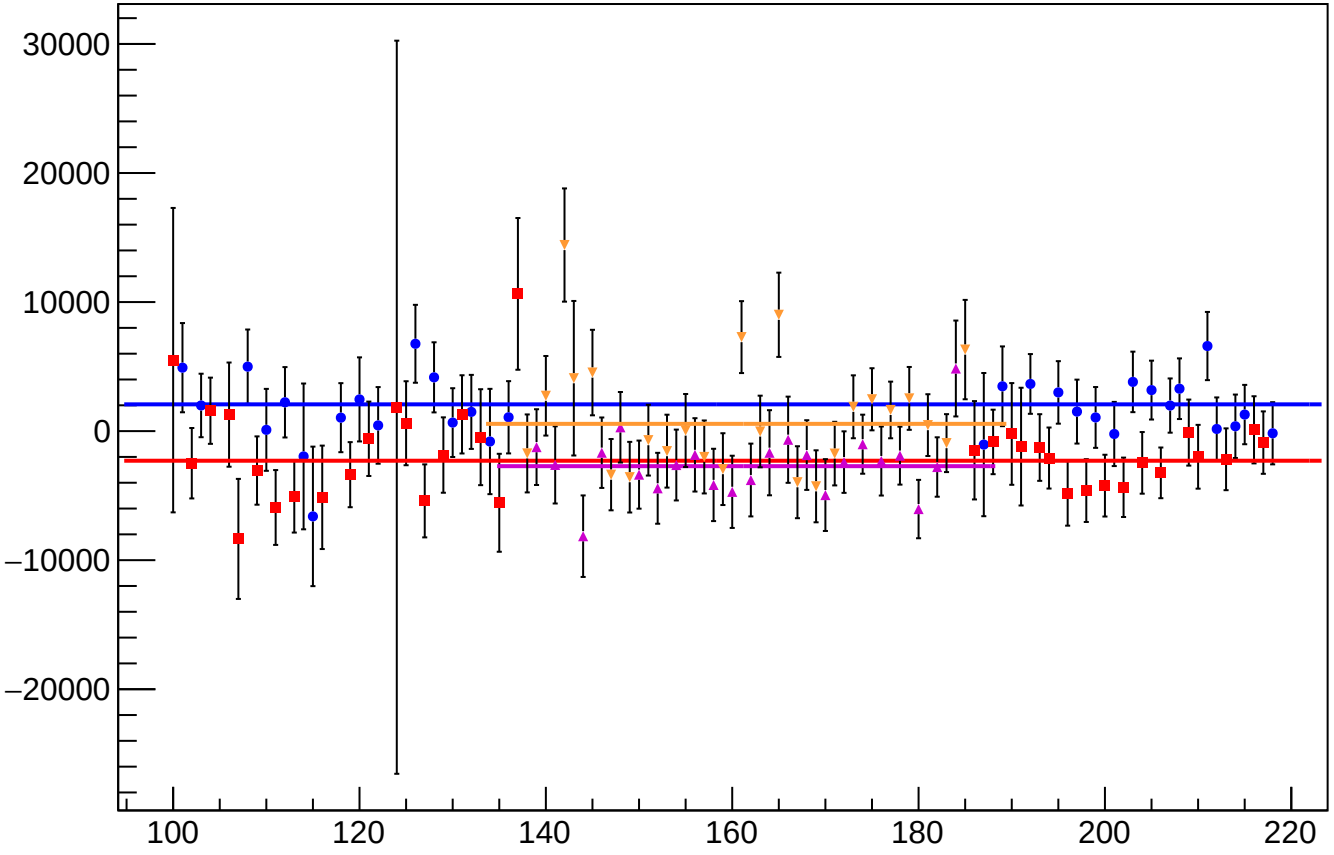
Left In: 9203.744+/-1.552 χ^2/NDF:1272079.0/22

+ sign 2676.653+/-0.489 χ^2/NDF: 48481291.6/56

All: 2551.805+/-0.347 χ^2/NDF: 101838519.7

- sign 2424.661+/-0.493 χ^2/NDF: 53225579.9/58

eigen_cor_asym_atl2_mean vs Slug



Right In: 2074.450+/-480.563 χ^2/NDF: 17.9/31

Left Out: 562.392+/-557.316 χ^2/NDF:43.9/24

Right Out: -2294.277+/-479.171 χ^2/NDF: 24.6/35

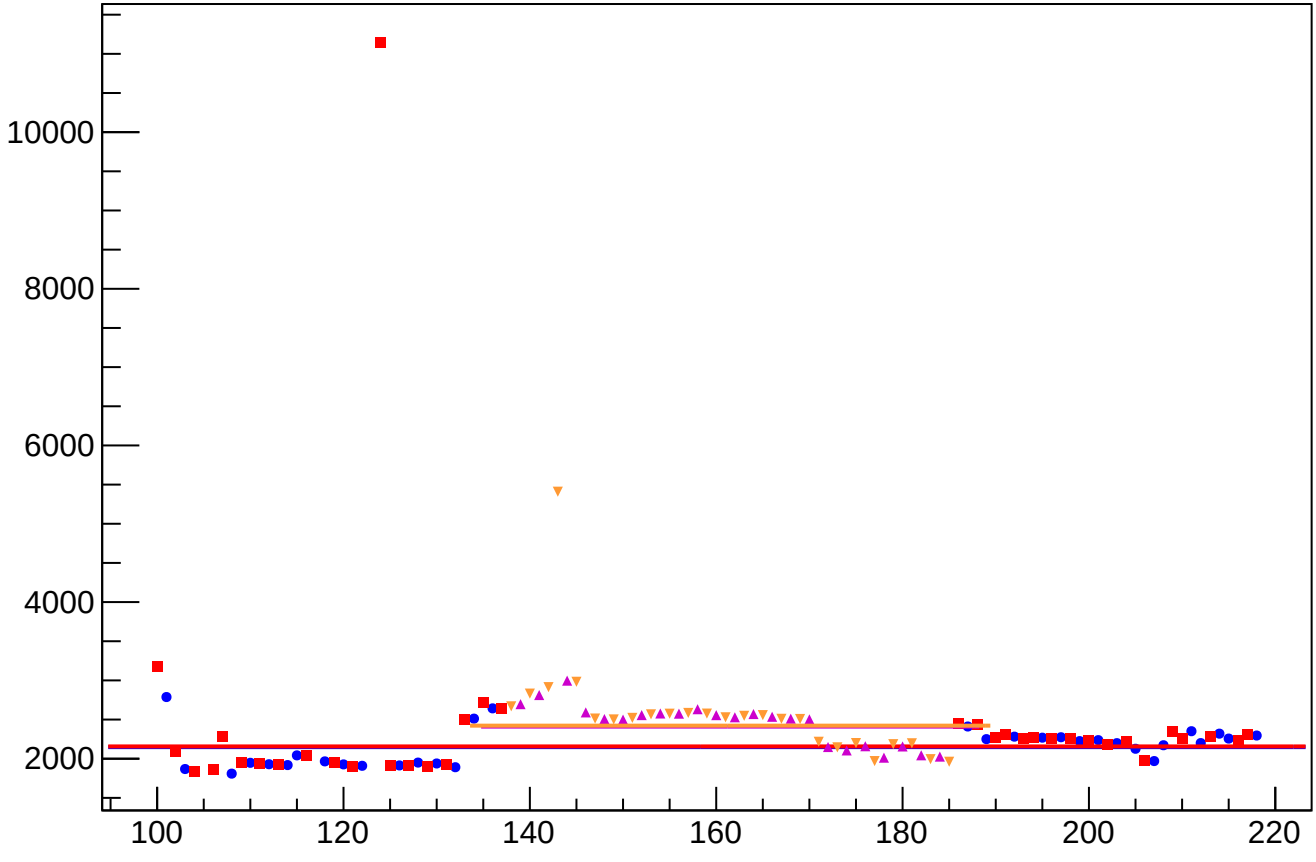
Left In: -2716.163+/-566.202 χ^2/NDF:14.3/22

+ sign 1429.633+/-363.945 χ^2/NDF: 66.0/56

All: -510.609+/-257.990 χ^2/NDF: 162.4/115

- sign -2470.338+/-365.768 χ^2/NDF: 39.2/58

eigen_cor_asym_atl2_rms vs Slug



Right In: 2148.082+/-0.340 χ^2/NDF: 385758.0/31

Left Out: 2422.152+/-0.394 χ^2/NDF:952857.9/24

Right Out: 2156.970+/-0.339 χ^2/NDF: 561512.2/35

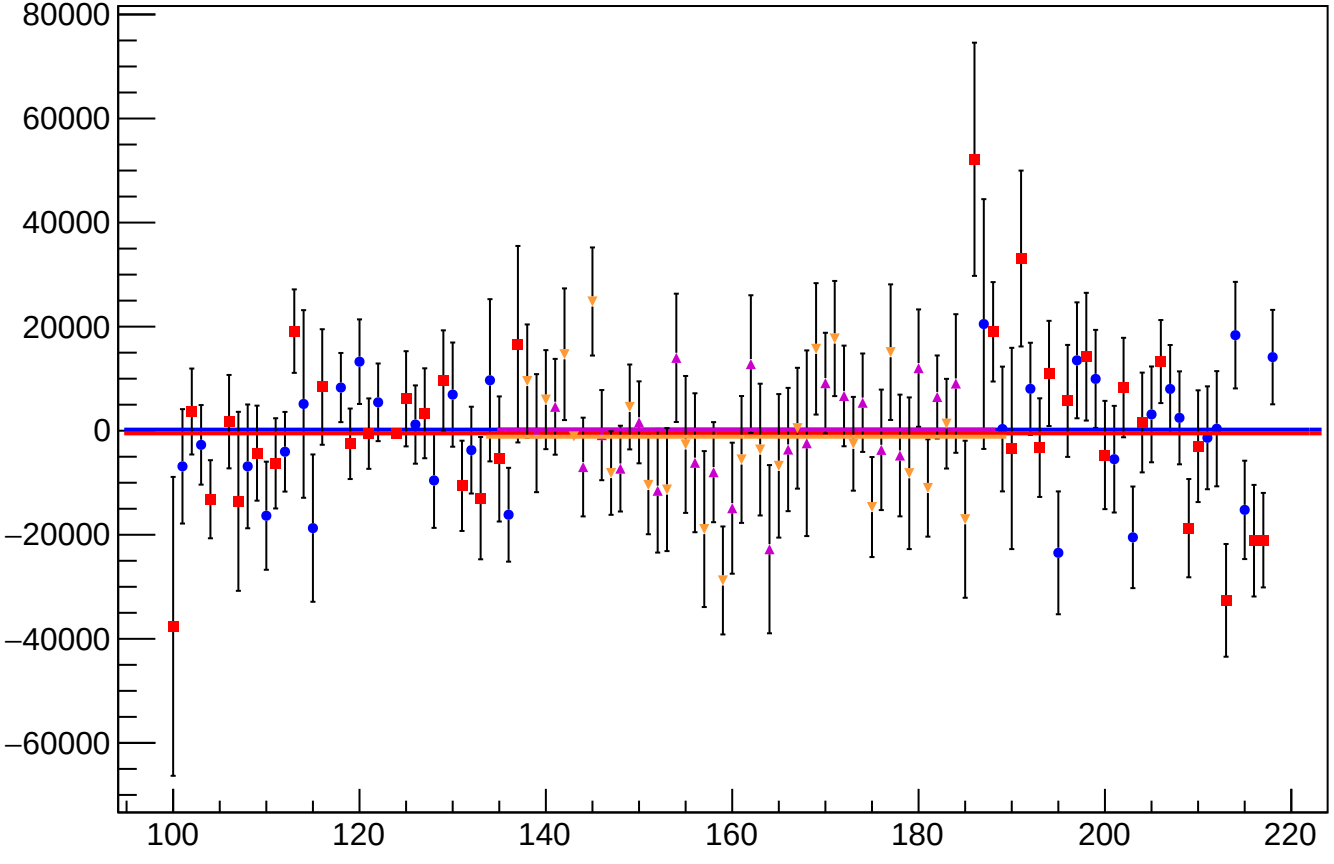
Left In: 2409.820+/-0.400 χ^2/NDF:428364.2/22

+ sign 2264.959+/-0.257 χ^2/NDF: 1616024.2/56

All: 2263.730+/-0.182 χ^2/NDF: 2838350.8/11

- sign 2262.489+/-0.259 χ^2/NDF: 1222280.7/58

asym_atl2_eigen_cor_correction_mean vs Slug



Right In: 206.366+/-1688.903 χ^2/NDF: 37.7/31

Left Out: -1157.974+/-757.732 χ^2/NDF:31.9/24

Right Out: -511.526+/-735.821 χ^2/NDF: 60.3/35

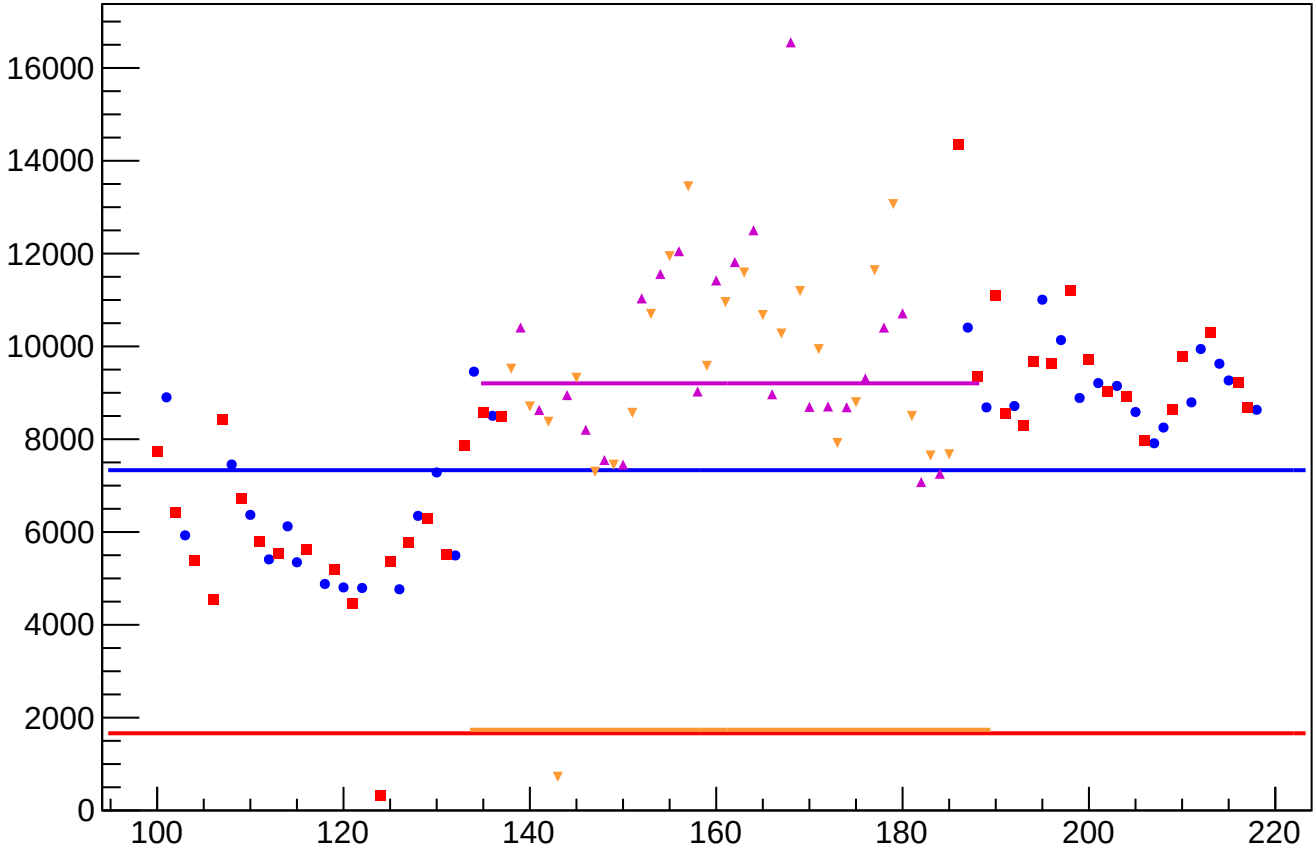
Left In: 209.500+/-2195.055 χ^2/NDF:13.4/22

+ sign -929.363+/-691.340 χ^2/NDF: 70.2/56

All: -686.260+/-491.072 χ^2/NDF: 144.2/115

- sign -438.688+/-697.666 χ^2/NDF: 73.8/58

asym_atl2_eigen_cor_correction_rms vs Slug



Right In: 7332.597+/-1.194 χ^2/NDF: 2486897.8/31

Left Out: 1739.457+/-0.536 χ^2/NDF:27735092.1/24

Right Out: 1662.891+/-0.520 χ^2/NDF: 30734230.0/35

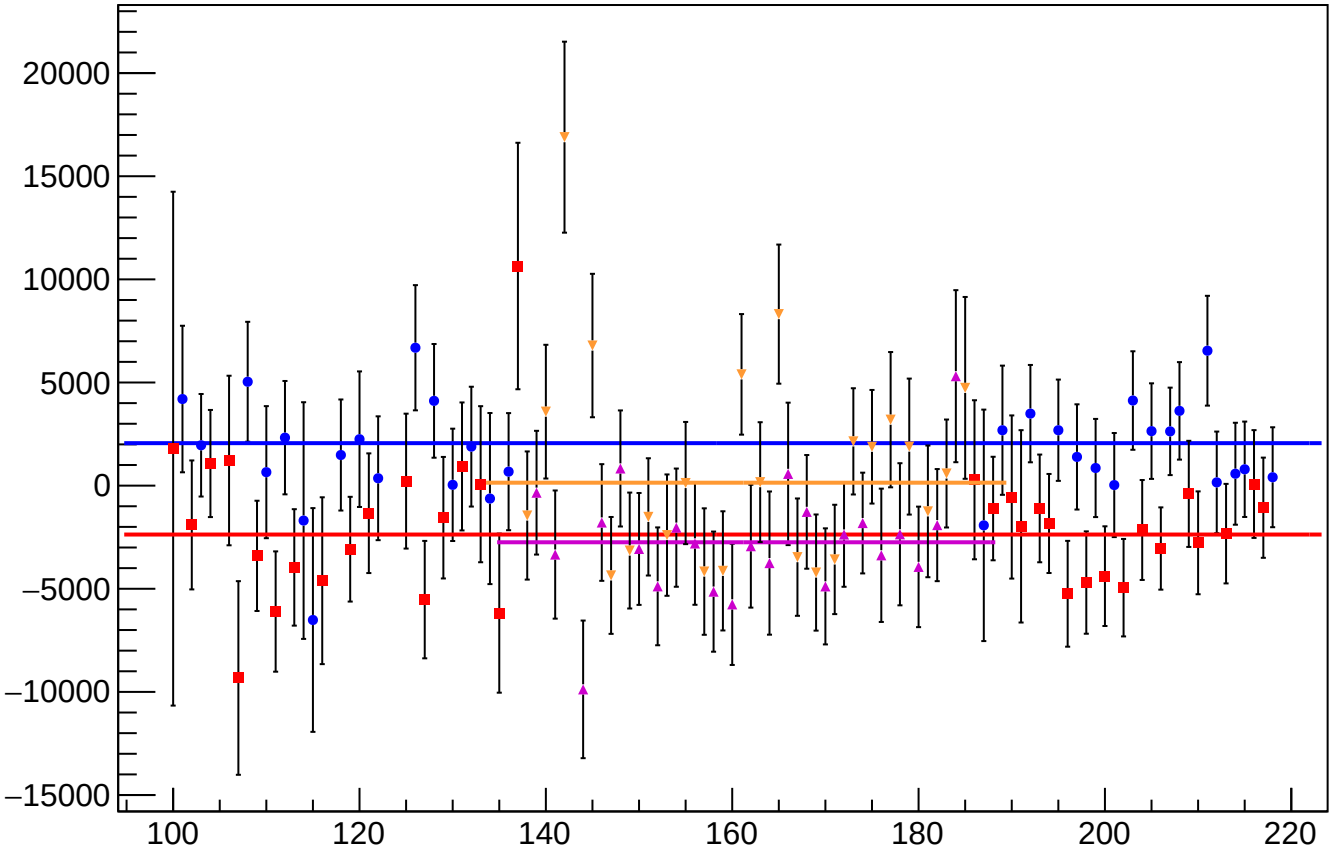
Left In: 9203.744+/-1.552 χ^2/NDF:1272079.0/22

+ sign 2676.653+/-0.489 χ^2/NDF: 48481291.6/56

All: 2551.805+/-0.347 χ^2/NDF: 101838519.7

- sign 2424.661+/-0.493 χ^2/NDF: 53225579.9/58

dit_asym_atl2_mean vs Slug



Right In: 2059.366+/-486.328 χ^2/NDF: 16.8/31

Left Out: 142.497+/-615.731 χ^2/NDF:45.8/23

Right Out: -2370.725+/-486.599 χ^2/NDF: 23.8/34

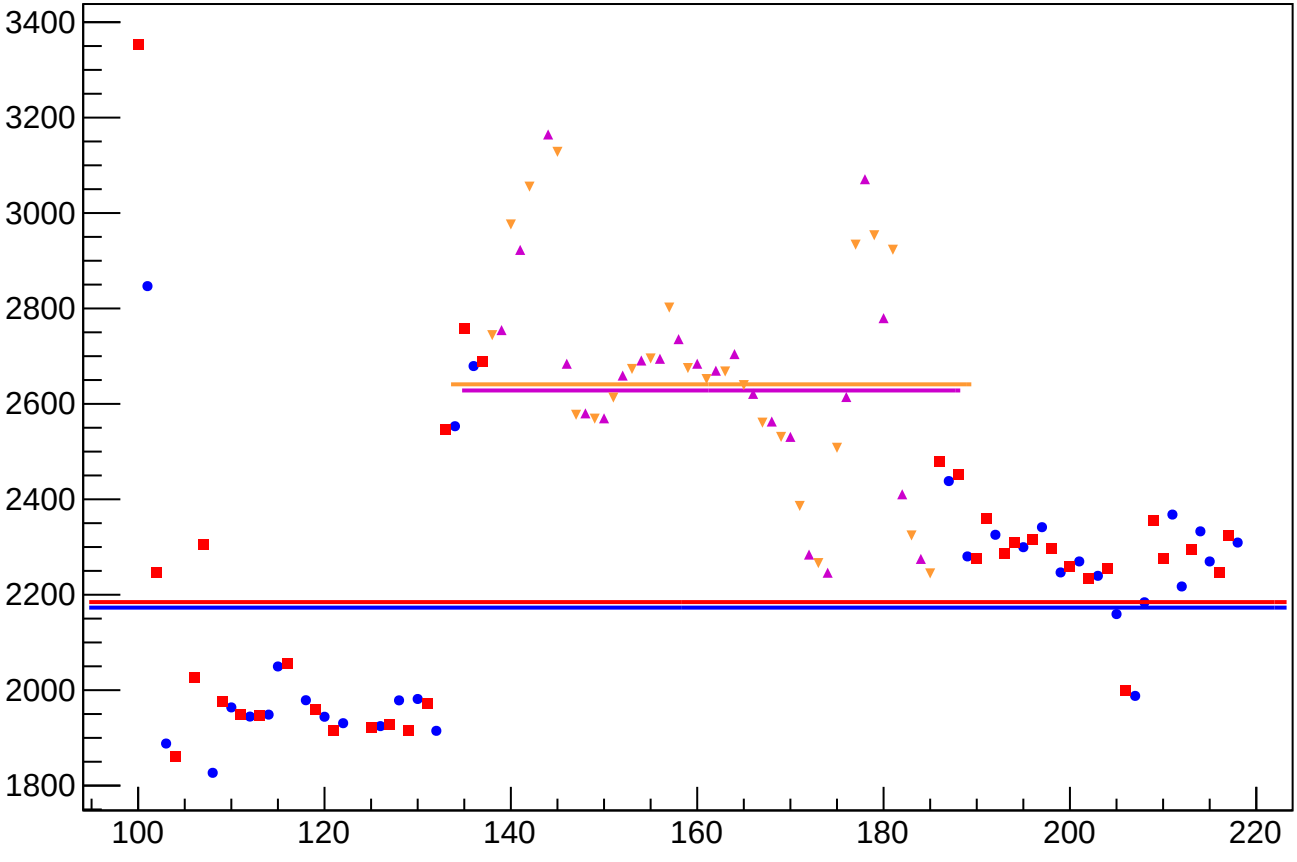
Left In: -2745.982+/-616.123 χ^2/NDF:15.4/22

+ sign 1322.948+/-381.643 χ^2/NDF: 68.6/55

All: -594.837+/-269.941 χ^2/NDF: 158.6/113

- sign -2514.876+/-381.867 χ^2/NDF: 39.5/57

dit_asym_atl2_rms vs Slug



Right In: 2173.023+/-0.344 χ^2/NDF: 396197.4/31

Left Out: 2640.990+/-0.435 χ^2/NDF:253402.6/23

Right Out: 2184.598+/-0.344 χ^2/NDF: 361649.8/34

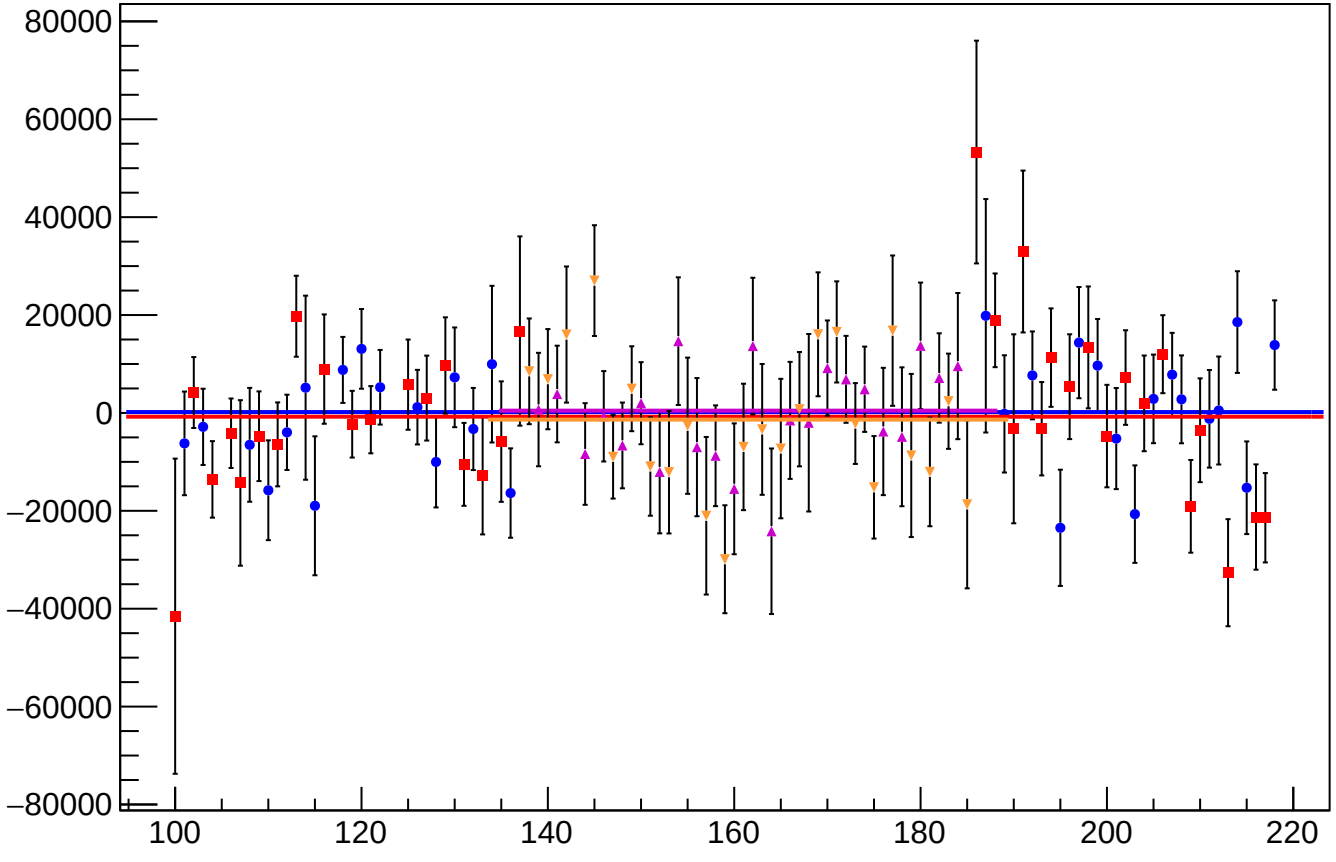
Left In: 2628.113+/-0.436 χ^2/NDF:237507.6/22

+ sign 2352.806+/-0.270 χ^2/NDF: 1361032.4/55

All: 2353.824+/-0.191 χ^2/NDF: 2598769.0/11

- sign 2354.844+/-0.270 χ^2/NDF: 1237708.1/57

asym_atl2_dit_correction_mean vs Slug



Right In: 175.987+/-1701.526 χ^2/NDF: 37.2/31

Left Out: -1366.840+/-2326.289 χ^2/NDF:31.3/23

Right Out: -769.822+/-1651.949 χ^2/NDF: 60.1/34

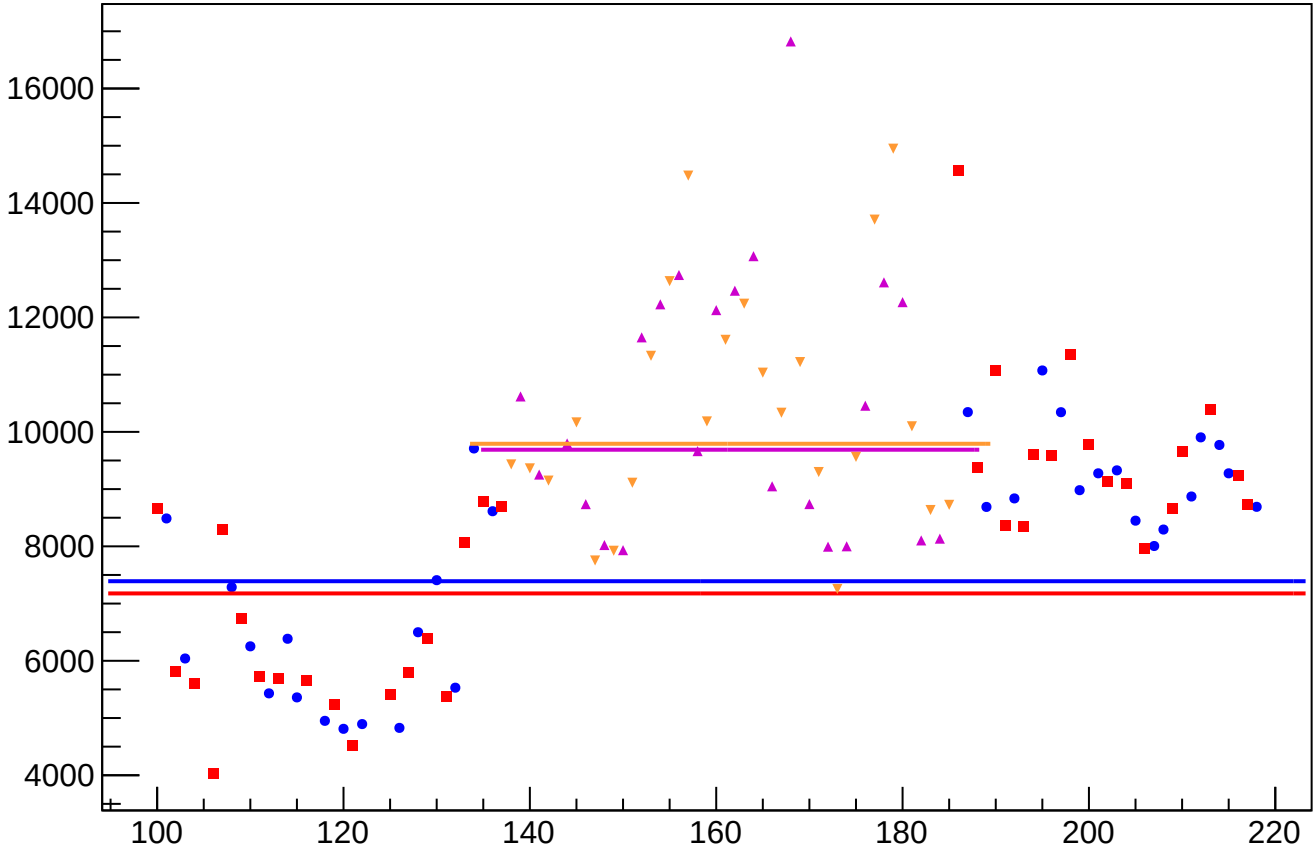
Left In: 463.775+/-2314.478 χ^2/NDF:13.1/22

+ sign -361.738+/-1373.362 χ^2/NDF: 68.7/55

All: -357.523+/-960.780 χ^2/NDF: 142.1/113

- sign -353.484+/-1344.589 χ^2/NDF: 73.3/57

asym_atl2_dit_correction_rms vs Slug



Right In: 7390.751+/-1.203 χ^2/NDF: 2443425.8/31

Left Out: 9792.234+/-1.645 χ^2/NDF:1219062.5/23

Right Out: 7177.260+/-1.168 χ^2/NDF: 3114229.5/34

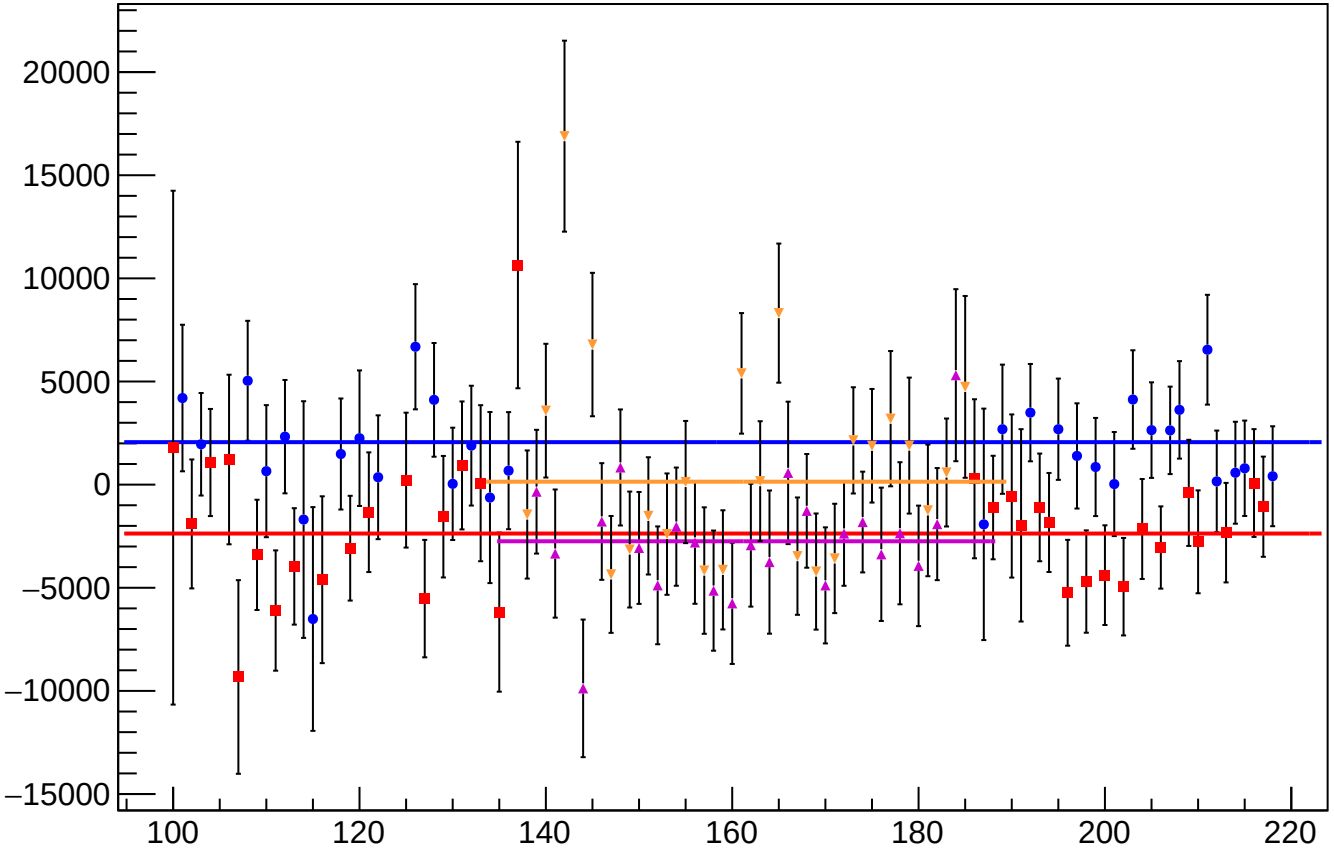
Left In: 9688.179+/-1.637 χ^2/NDF:1378173.6/22

+ sign 8227.745+/-0.971 χ^2/NDF: 5051015.9/55

All: 8124.070+/-0.679 χ^2/NDF: 11125205.5/1

- sign 8024.694+/-0.951 χ^2/NDF: 6051867.3/57

eigen_dit_asym_atl2_mean vs Slug



Right In: 2059.370+/-486.328 χ^2/NDF: 16.8/31

Left Out: 142.487+/-615.732 χ^2/NDF:45.8/23

Right Out: -2370.722+/-486.599 χ^2/NDF: 23.8/34

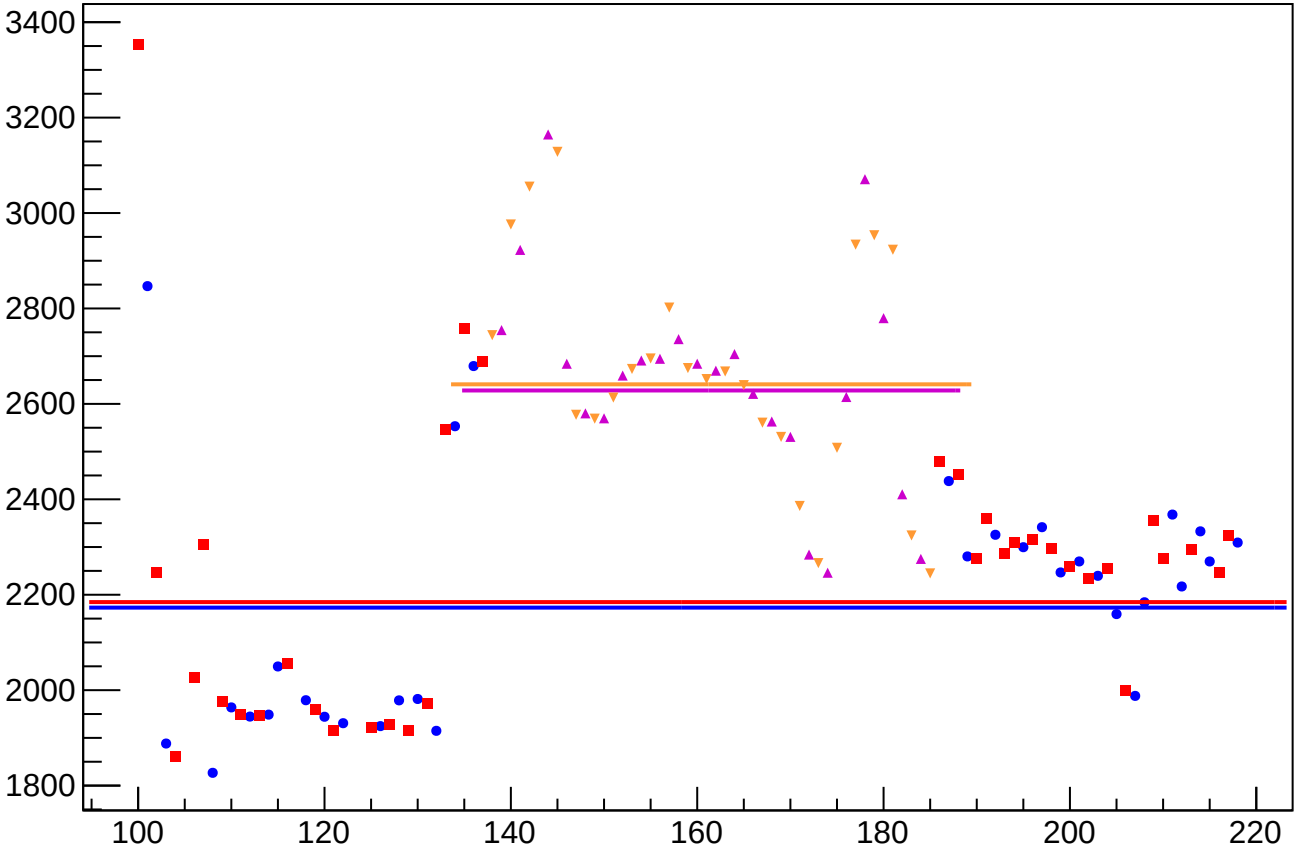
Left In: -2745.980+/-616.124 χ^2/NDF:15.4/22

+ sign 1322.947+/-381.643 χ^2/NDF: 68.6/55

All: -594.836+/-269.942 χ^2/NDF: 158.6/113

- sign -2514.874+/-381.867 χ^2/NDF: 39.5/57

eigen_dit_asym_atl2_rms vs Slug



Right In: 2173.024+/-0.344 χ^2/NDF: 396197.4/31

Left Out: 2640.993+/-0.435 χ^2/NDF:253411.8/23

Right Out: 2184.598+/-0.344 χ^2/NDF: 361650.4/34

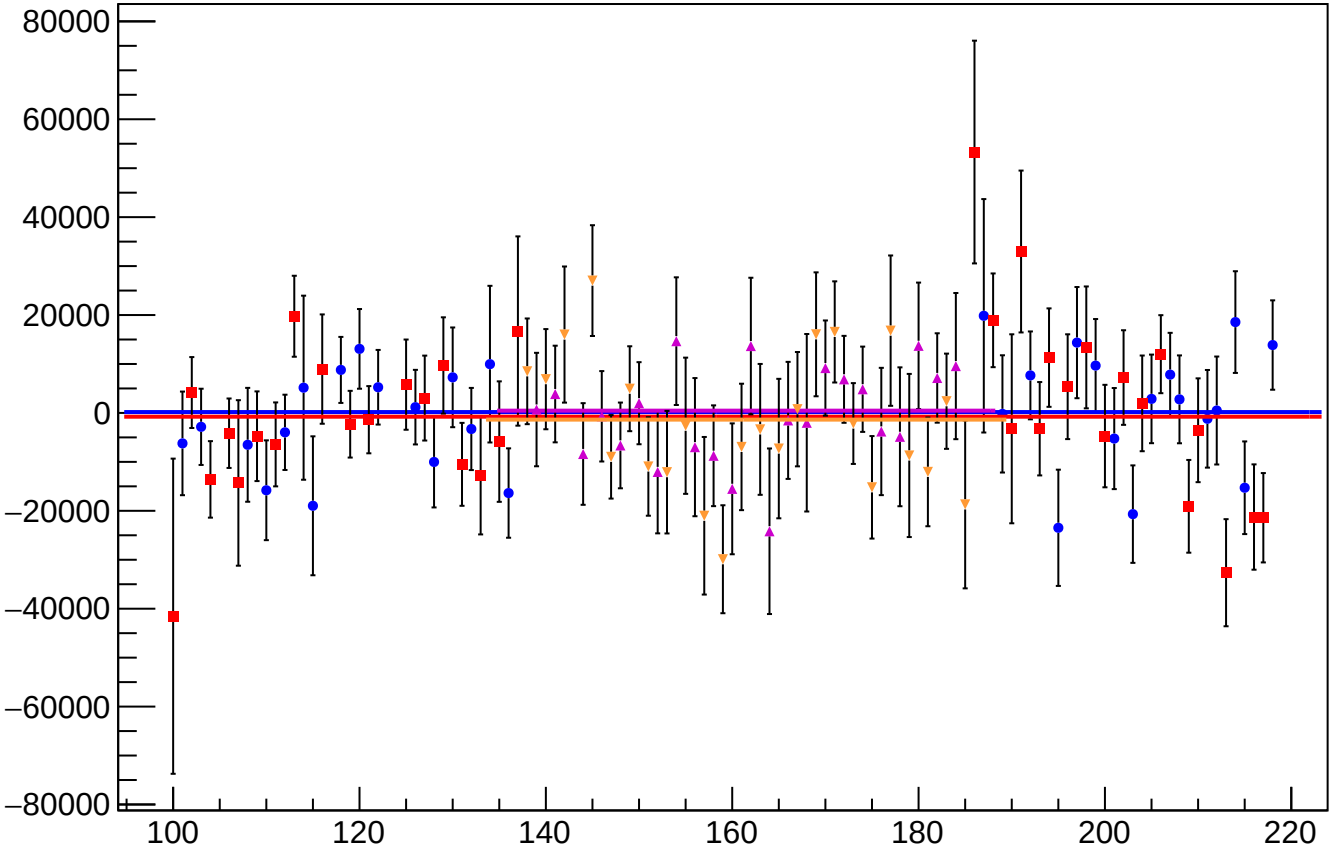
Left In: 2628.116+/-0.436 χ^2/NDF:237516.8/22

+ sign 2352.807+/-0.270 χ^2/NDF: 1361047.2/55

All: 2353.825+/-0.191 χ^2/NDF: 2598799.4/11

- sign 2354.844+/-0.270 χ^2/NDF: 1237723.7/57

asym_atl2_eigen_dit_correction_mean vs Slug



Right In: 175.991+/-1701.525 χ^2/NDF: 37.2/31

Left Out: -1366.849+/-2326.293 χ^2/NDF:31.3/23

Right Out: -769.829+/-1651.947 χ^2/NDF: 60.1/34

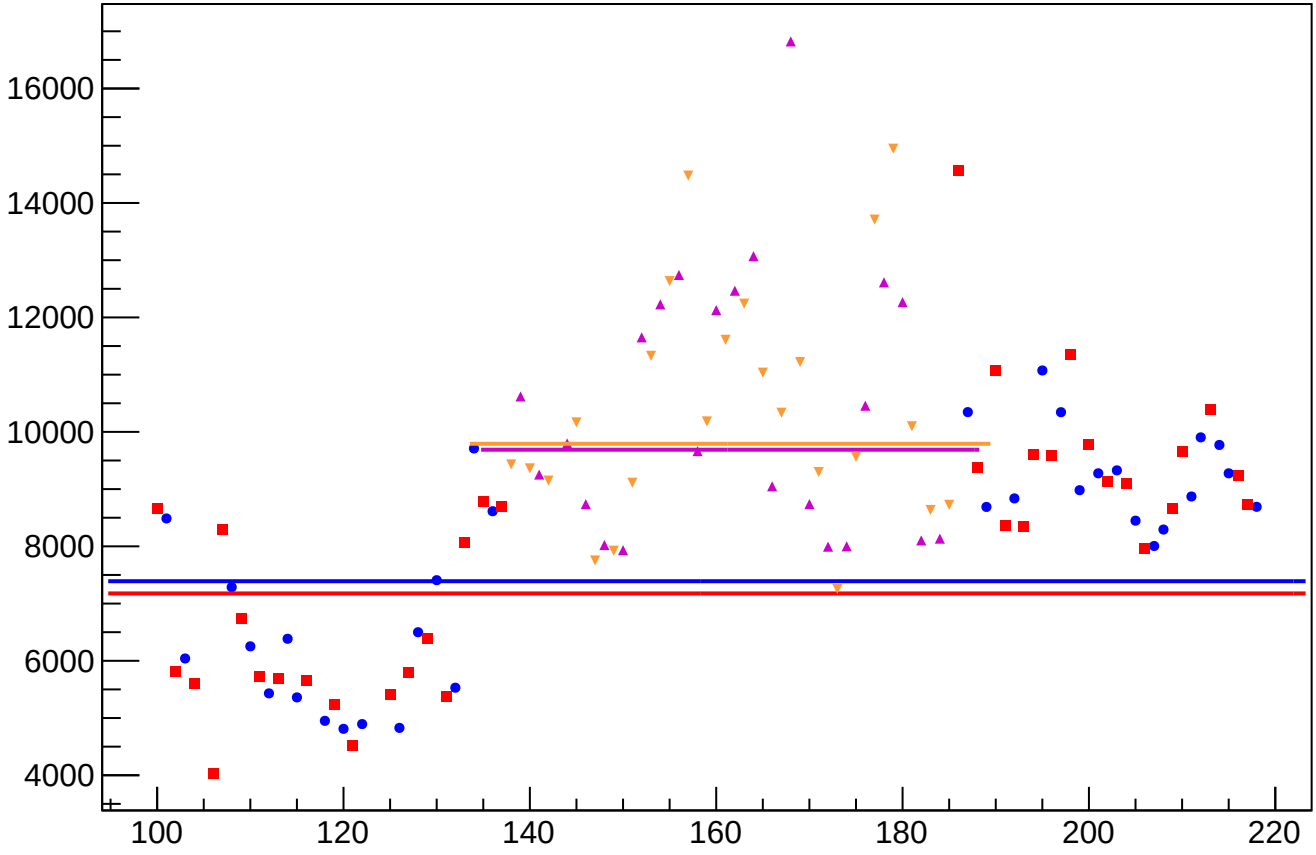
Left In: 463.777+/-2314.482 χ^2/NDF:13.1/22

\+ sign -361.737+/-1373.363 χ^2/NDF: 68.7/55

All: -357.526+/-960.780 χ^2/NDF: 142.1/113

\- sign -353.489+/-1344.589 χ^2/NDF: 73.3/57

asym_atl2_eigen_dit_correction_rms vs Slug



Right In: 7390.742+/-1.203 χ^2/NDF: 2443477.0/31

Left Out: 9792.251+/-1.645 χ^2/NDF:1219062.8/23

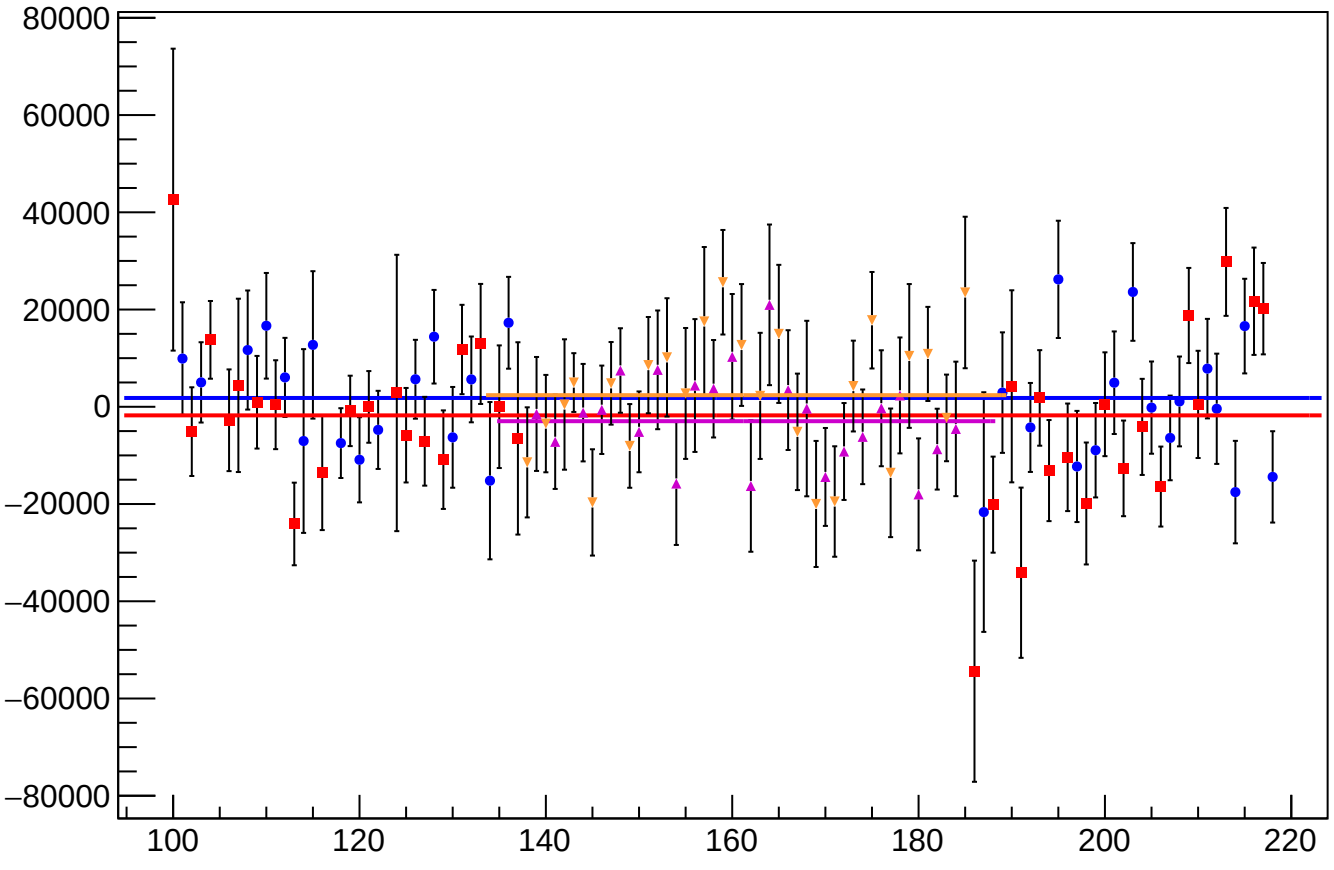
Right Out: 7177.248+/-1.168 χ^2/NDF: 3114270.0/34

Left In: 9688.194+/-1.637 χ^2/NDF:1378175.1/22

+ sign 8227.743+/-0.971 χ^2/NDF: 5051094.7/55

All: 8124.066+/-0.679 χ^2/NDF: 11125358.5/1

- sign 8024.688+/-0.951 χ^2/NDF: 6051940.9/57



Right In: 1813.565+/-1770.493 χ^2/NDF: 38.1/31

Left Out: 2387.857+/-2136.530 χ^2/NDF:29.7/24

Right Out: -1767.346+/-1751.784 χ^2/NDF: 62.6/35

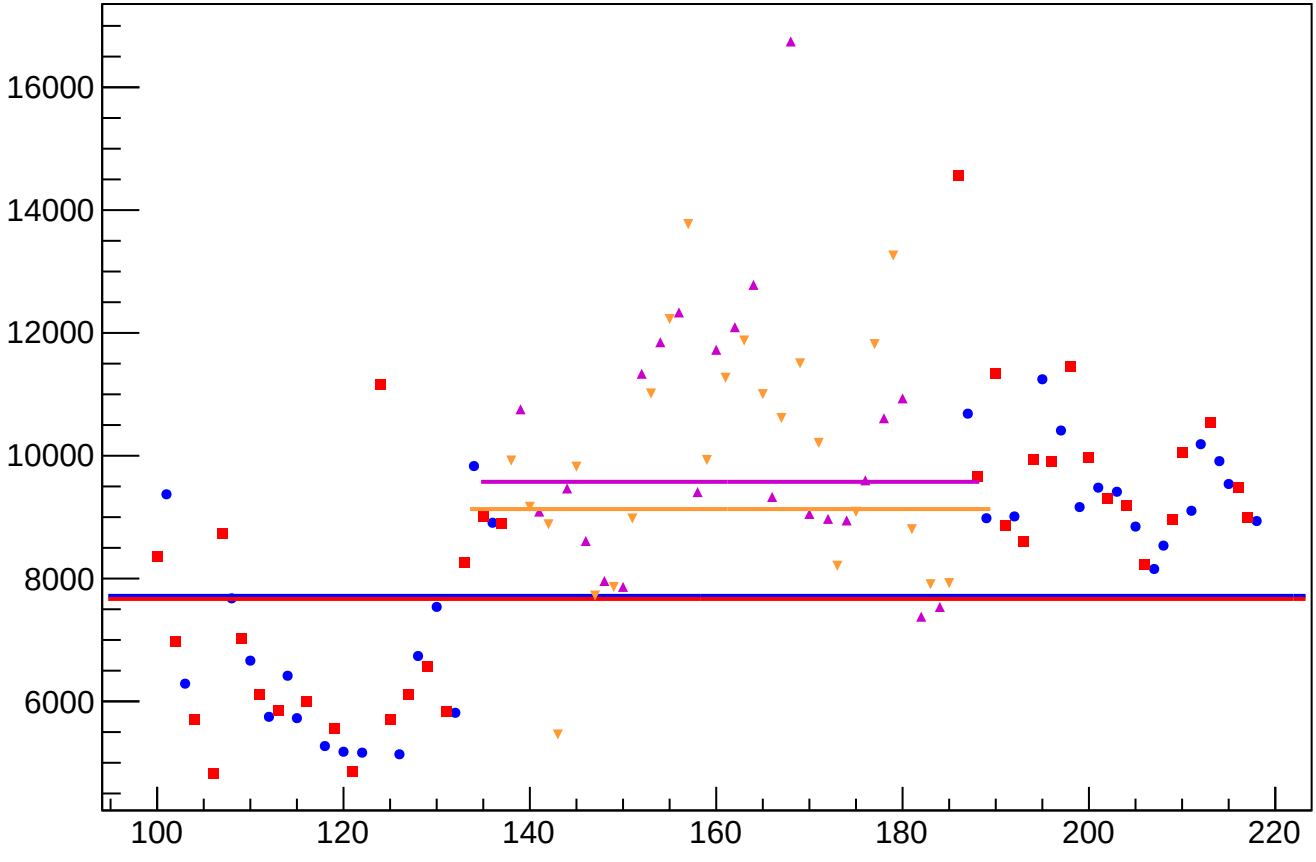
Left In: -2963.537+/-2278.927 χ^2/NDF:13.0/22

+ sign 2047.375+/-1363.247 χ^2/NDF: 67.9/56

All: -42.479+/-972.894 χ^2/NDF: 148.4/115

- sign -2211.632+/-1388.870 χ^2/NDF: 75.7/58

asym_atl2_rms vs Slug



Right In: 7718.080+/-1.252 χ^2/NDF: 2165789.5/31

Left Out: 9131.714+/-1.511 χ^2/NDF:1811661.2/24

Right Out: 7668.012+/-1.239 χ^2/NDF: 2537494.5/35

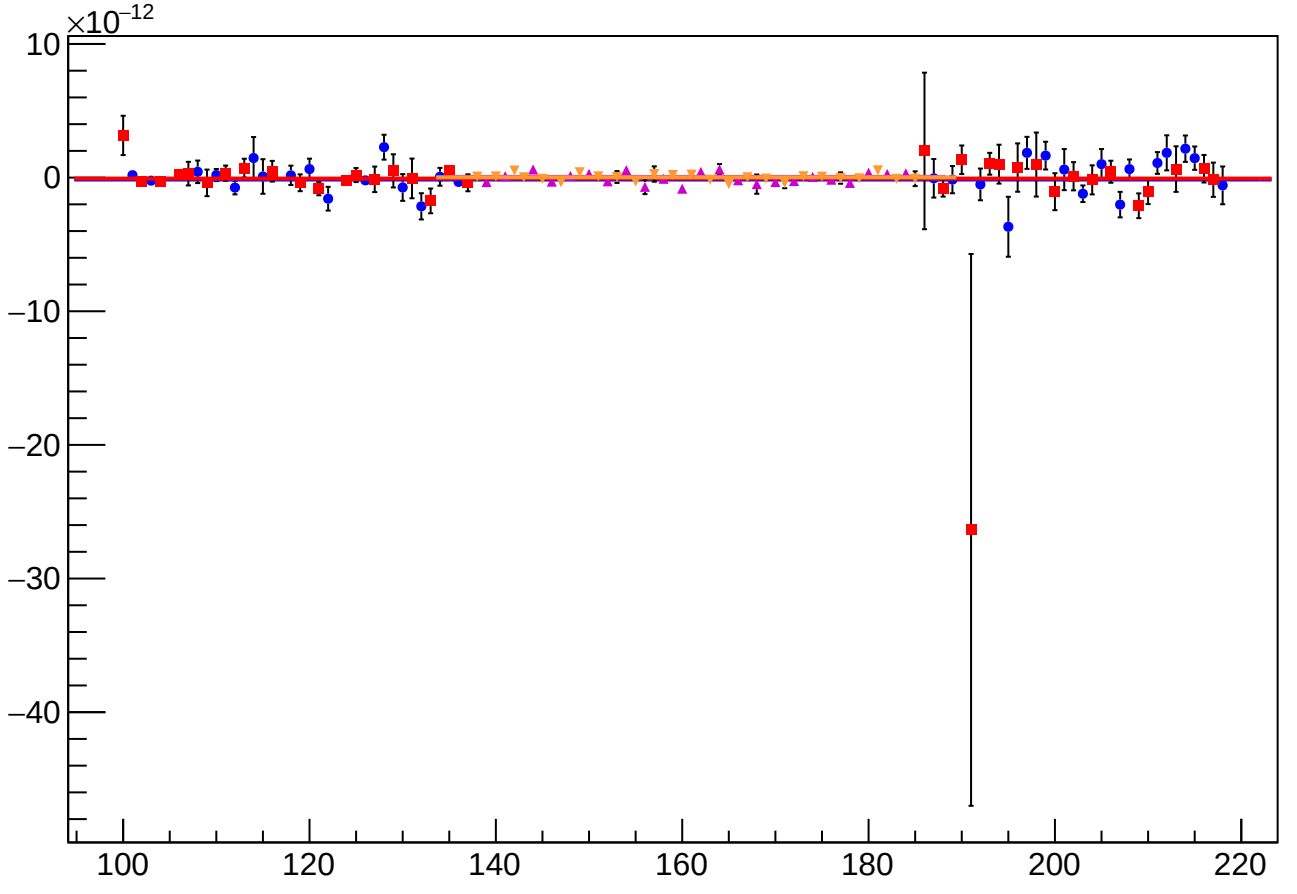
Left In: 9575.233+/-1.611 χ^2/NDF:1153802.3/22

+ sign 8293.610+/-0.964 χ^2/NDF: 4496545.8/56

All: 8334.227+/-0.688 χ^2/NDF: 9071970.5/11

- sign 8376.386+/-0.982 χ^2/NDF: 4571806.5/58

asym_atl2_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 52.5/31

Left Out: 0.000+/-0.000 χ^2/NDF:17.9/24

Right Out: -0.000+/-0.000 χ^2/NDF: 36.0/35

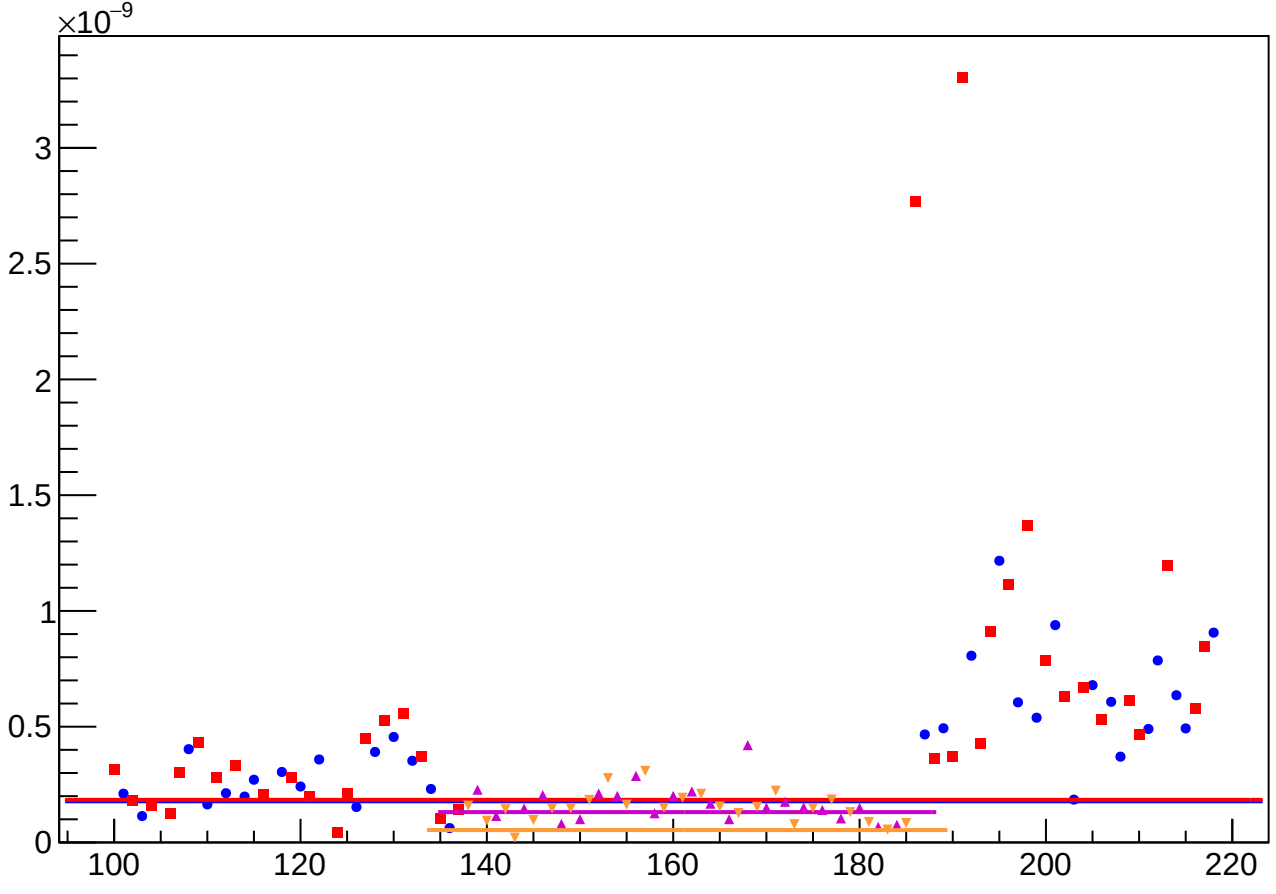
Left In: 0.000+/-0.000 χ^2/NDF:36.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 73.5/56

All: 0.000+/-0.000 χ^2/NDF: 147.7/115

- sign 0.000+/-0.000 χ^2/NDF: 74.1/58

asym_atl2_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 7382075.6/31

Left Out: 0.000+/-0.000 χ^2/NDF:7244510.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8839555.6/35

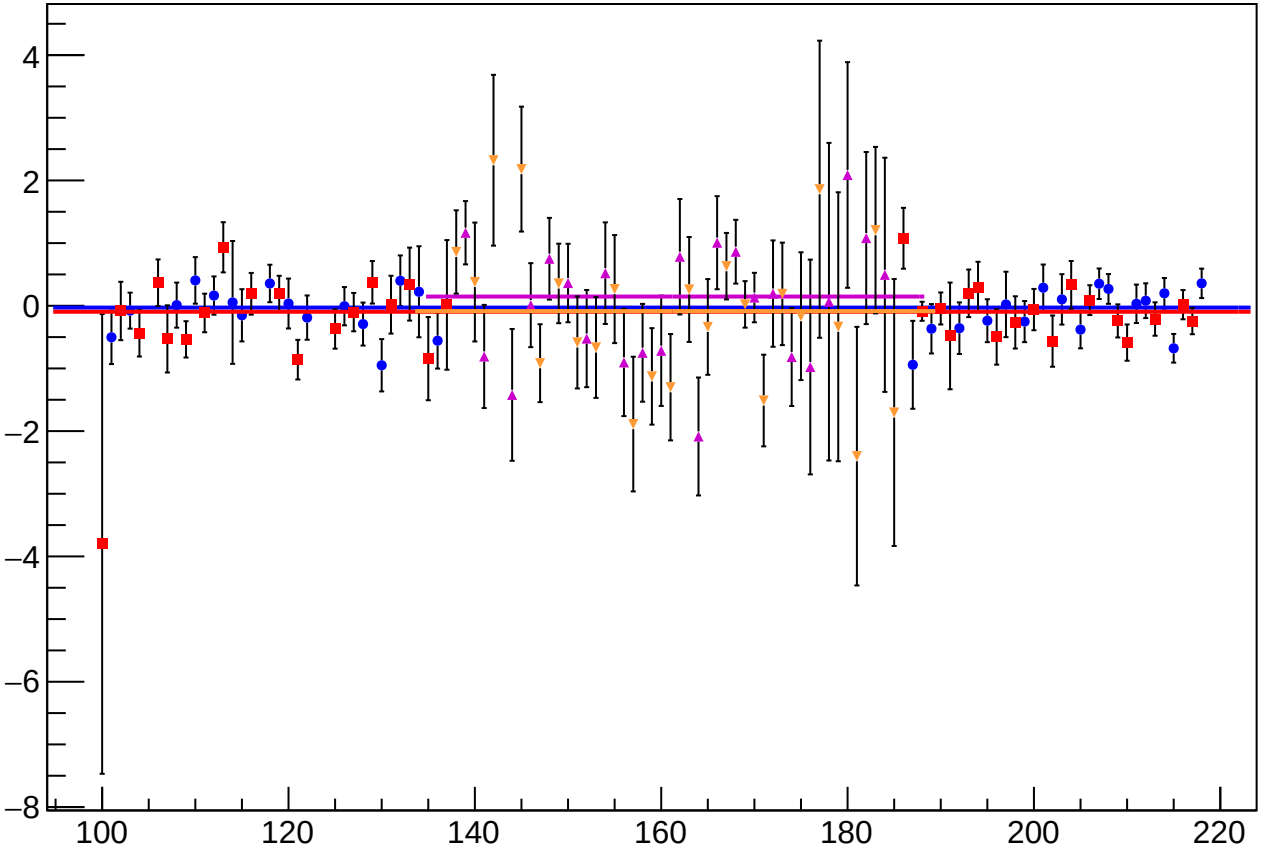
Left In: 0.000+/-0.000 χ^2/NDF:1904207.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 18133625.8/56

All: 0.000+/-0.000 χ^2/NDF: 33628035.9/115

- sign 0.000+/-0.000 χ^2/NDF: 11248301.4/58

asym_atl2_dit_vs_cor_diff_mean vs Slug



Right In: -0.029+/-0.059 χ^2/NDF: 35.1/31

Left Out: -0.085+/-0.161 χ^2/NDF:30.2/23

Right Out: -0.095+/-0.055 χ^2/NDF: 41.2/34

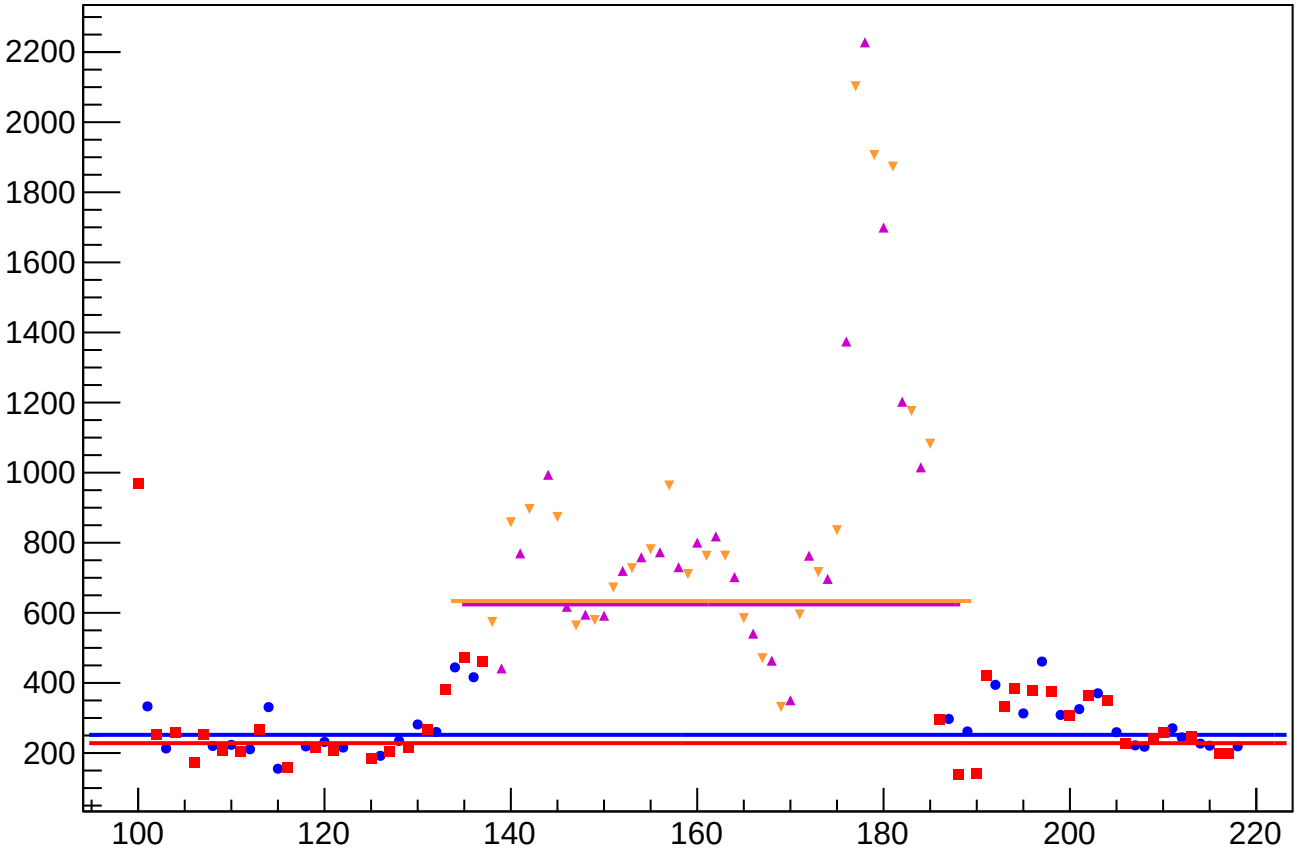
Left In: 0.147+/-0.158 χ^2/NDF:26.4/22

+ sign -0.036+/-0.055 χ^2/NDF: 65.5/55

All: -0.054+/-0.038 χ^2/NDF: 135.4/113

- sign -0.069+/-0.052 χ^2/NDF: 69.8/57

asym_atl2_dit_vs_cor_diff_rms vs Slug



Right In: 251.871+/-0.042 χ^2/NDF: 1974533.9/31

Left Out: 633.674+/-0.114 χ^2/NDF:4994105.8/23

Right Out: 228.165+/-0.039 χ^2/NDF: 3516857.9/34

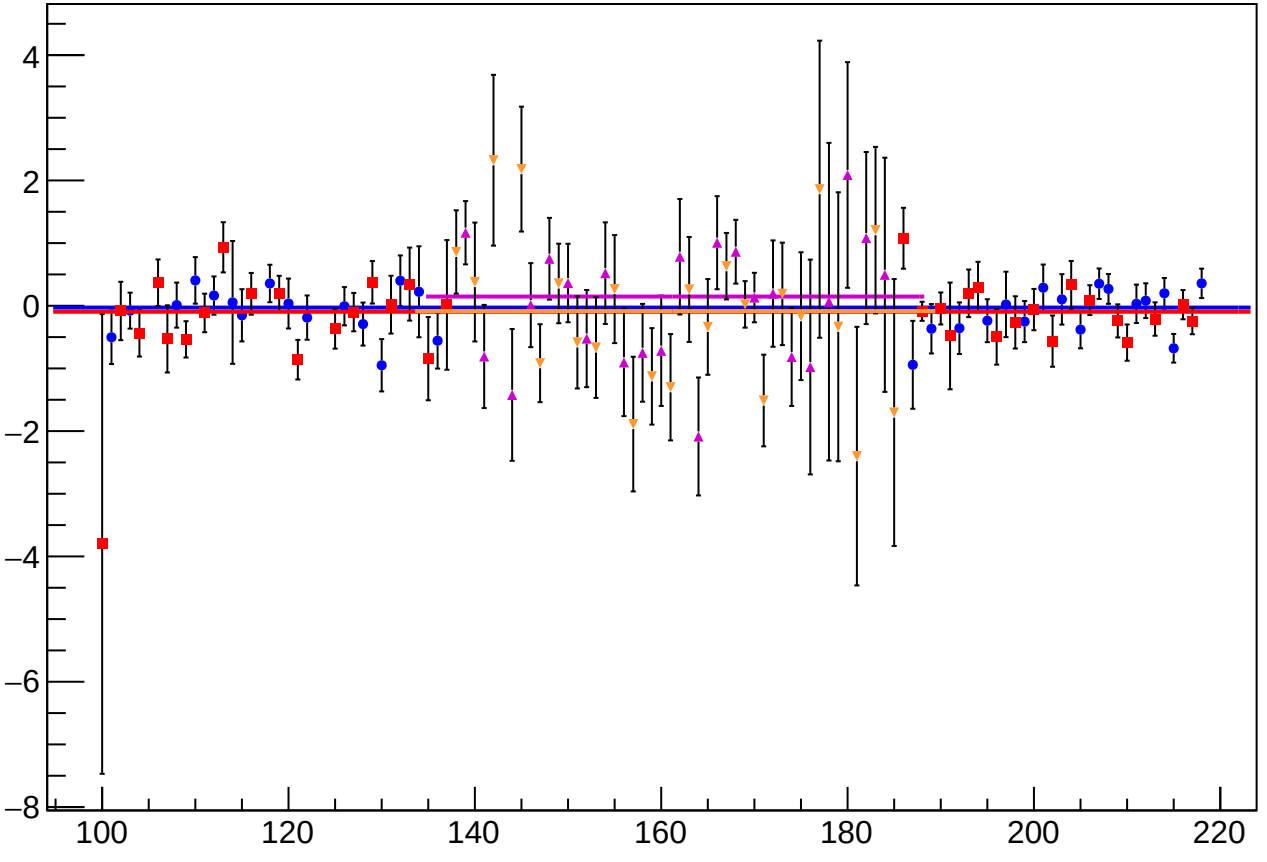
Left In: 623.916+/-0.112 χ^2/NDF:4541431.8/22

+ sign 296.968+/-0.039 χ^2/NDF: 16834703.7/55

All: 282.877+/-0.027 χ^2/NDF: 36306899.5/11

- sign 270.593+/-0.037 χ^2/NDF: 19230718.8/57

asym_atl2_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.029+/-0.059 χ^2/NDF: 35.1/31

Left Out: -0.085+/-0.161 χ^2/NDF:30.2/23

Right Out: -0.095+/-0.055 χ^2/NDF: 41.2/34

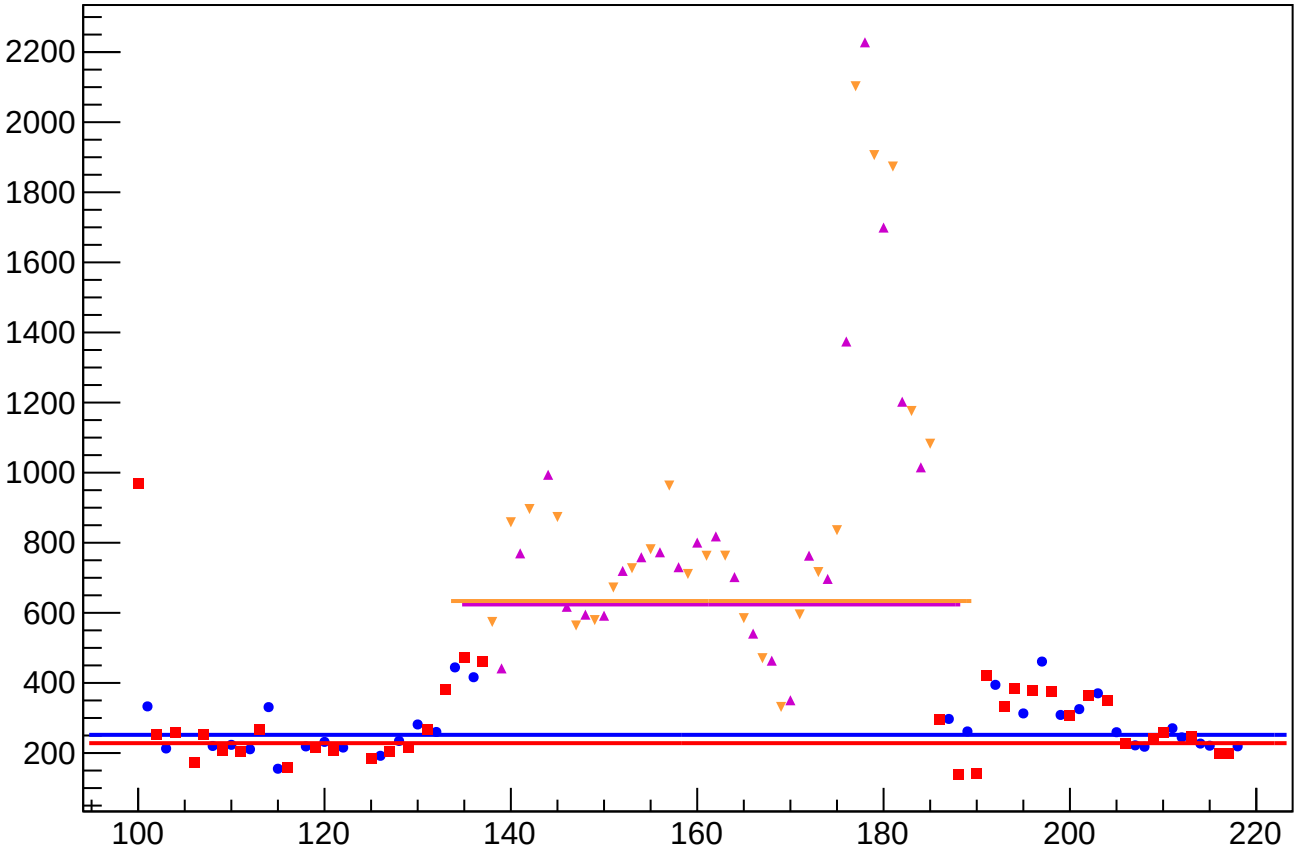
Left In: 0.147+/-0.158 χ^2/NDF:26.4/22

+ sign -0.036+/-0.055 χ^2/NDF: 65.5/55

All: -0.054+/-0.038 χ^2/NDF: 135.4/113

- sign -0.069+/-0.052 χ^2/NDF: 69.8/57

asym_atl2_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 251.871+/-0.042 χ^2/NDF: 1974533.9/31

Left Out: 633.674+/-0.114 χ^2/NDF:4994105.8/23

Right Out: 228.165+/-0.039 χ^2/NDF: 3516857.9/34

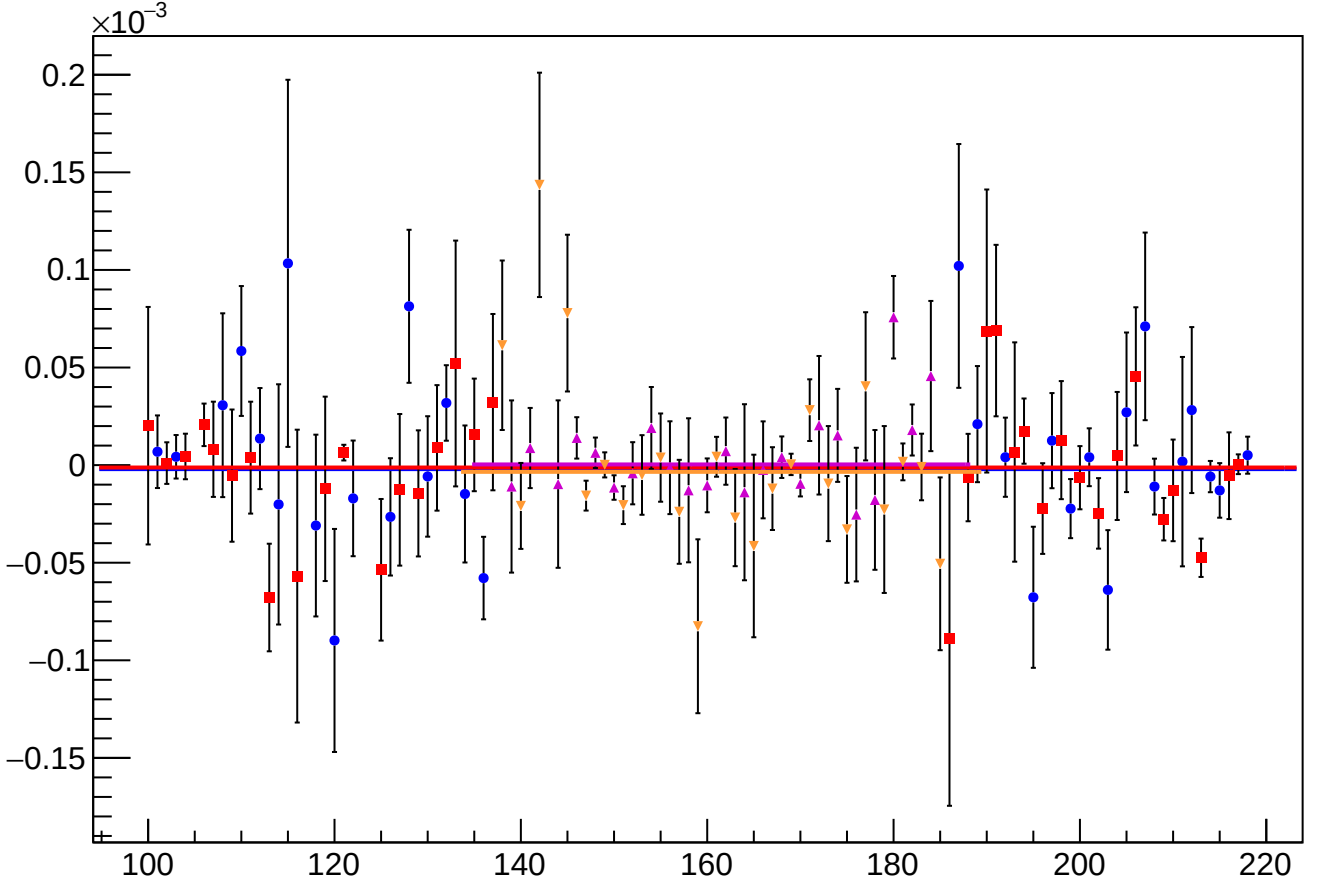
Left In: 623.916+/-0.112 χ^2/NDF:4541431.8/22

+ sign 296.968+/-0.039 χ^2/NDF: 16834703.7/55

All: 282.877+/-0.027 χ^2/NDF: 36306899.5/11

- sign 270.593+/-0.037 χ^2/NDF: 19230718.8/57

asym_atl2_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 42.7/31

Left Out: -0.000+/-0.000 χ^2/NDF:34.3/23

Right Out: -0.000+/-0.000 χ^2/NDF: 57.6/34

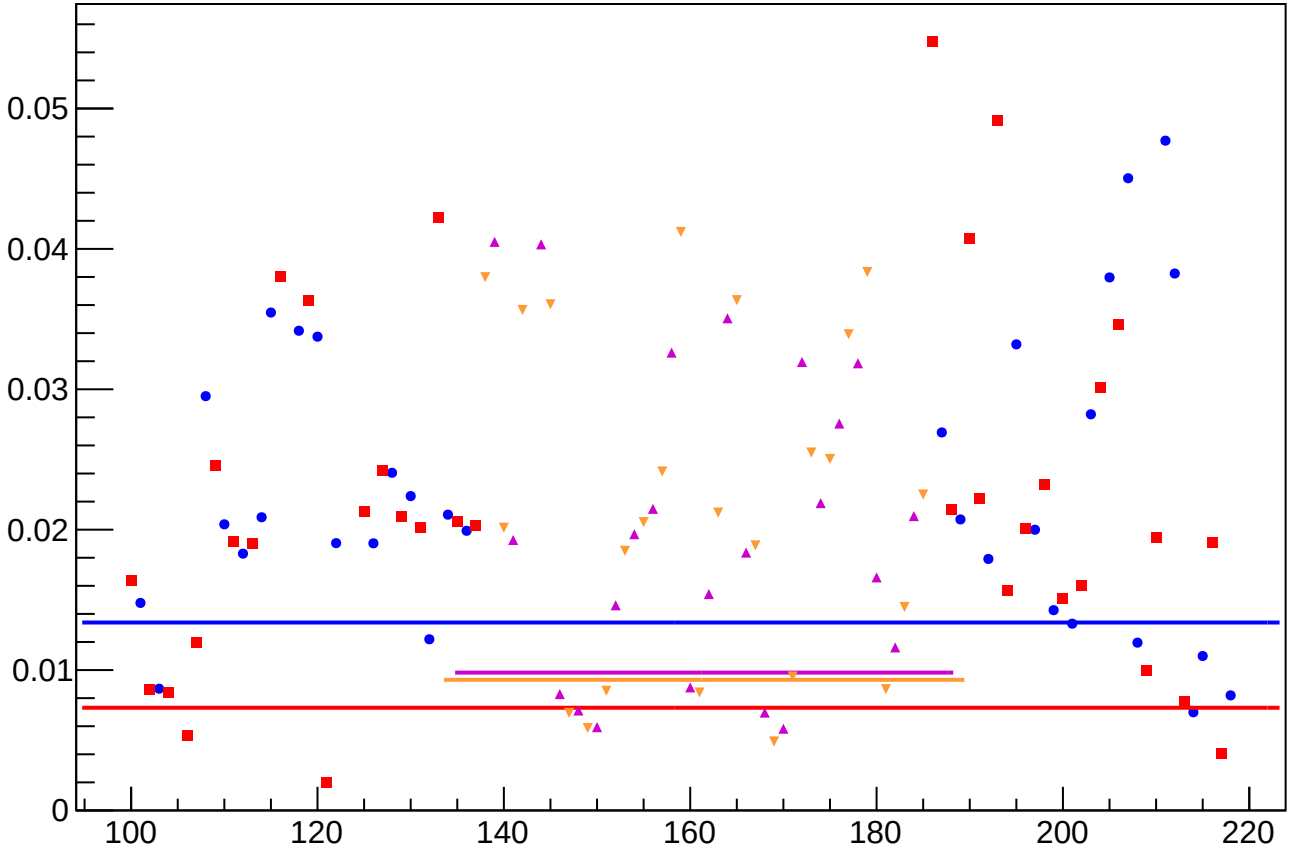
Left In: 0.000+/-0.000 χ^2/NDF:27.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 77.1/55

All: -0.000+/-0.000 χ^2/NDF: 163.4/113

- sign -0.000+/-0.000 χ^2/NDF: 85.7/57

asym_atl2_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF: 8894634.2/31

Left Out: 0.009+/-0.000 χ^2/NDF:12224529.3/23

Right Out: 0.007+/-0.000 χ^2/NDF: 18425239.9/34

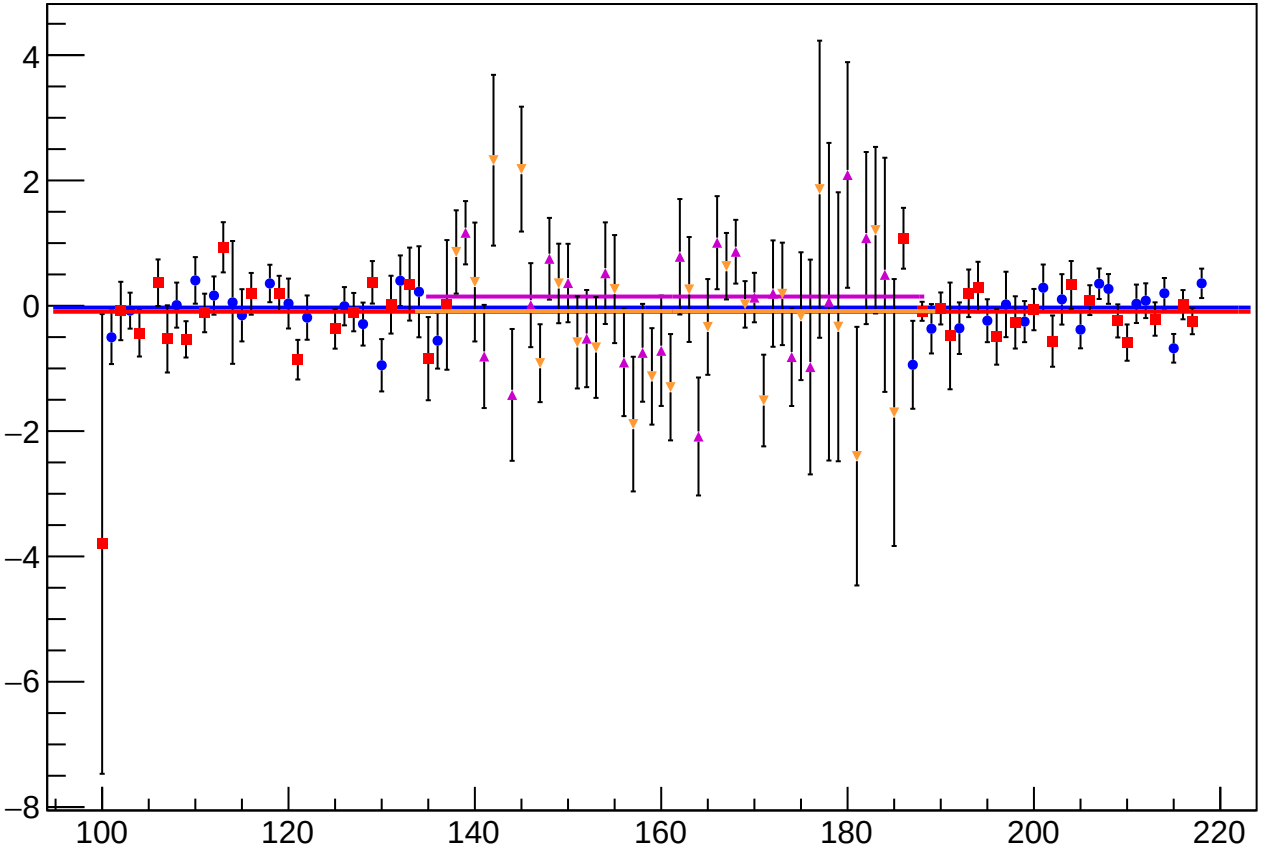
Left In: 0.010+/-0.000 χ^2/NDF:10307261.6/22

+ sign 0.011+/-0.000 χ^2/NDF: 22772697.4/55

All: 0.009+/-0.000 χ^2/NDF: 53963635.5/113

- sign 0.008+/-0.000 χ^2/NDF: 29627641.9/57

asym_atl2_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.029+/-0.059 χ^2/NDF: 35.1/31

Left Out: -0.085+/-0.161 χ^2/NDF:30.2/23

Right Out: -0.095+/-0.055 χ^2/NDF: 41.2/34

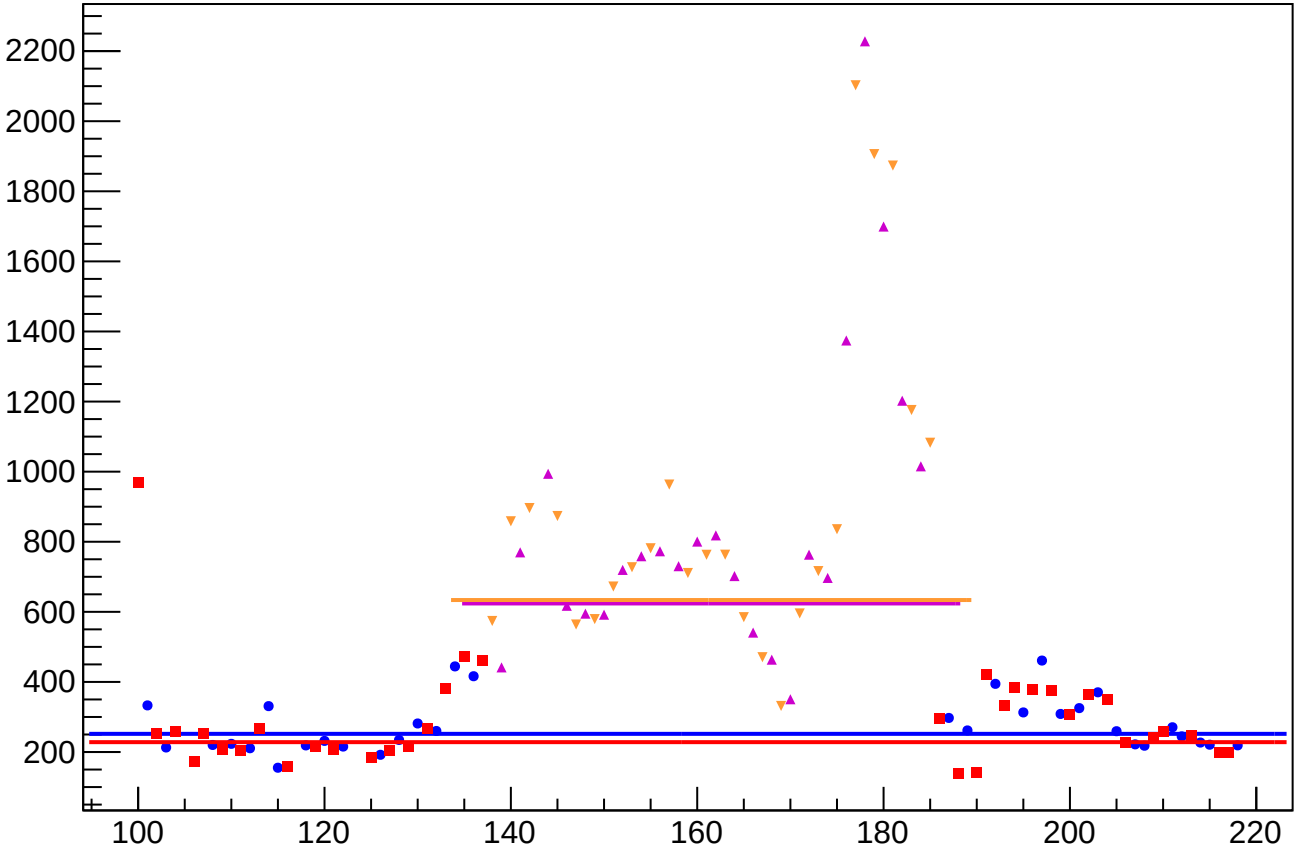
Left In: 0.147+/-0.158 χ^2/NDF:26.4/22

+ sign -0.036+/-0.055 χ^2/NDF: 65.5/55

All: -0.054+/-0.038 χ^2/NDF: 135.4/113

- sign -0.069+/-0.052 χ^2/NDF: 69.8/57

asym_atl2_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 251.872+/-0.042 χ^2/NDF: 1974521.5/31

Left Out: 633.678+/-0.114 χ^2/NDF:4994172.5/23

Right Out: 228.163+/-0.039 χ^2/NDF: 3516999.6/34

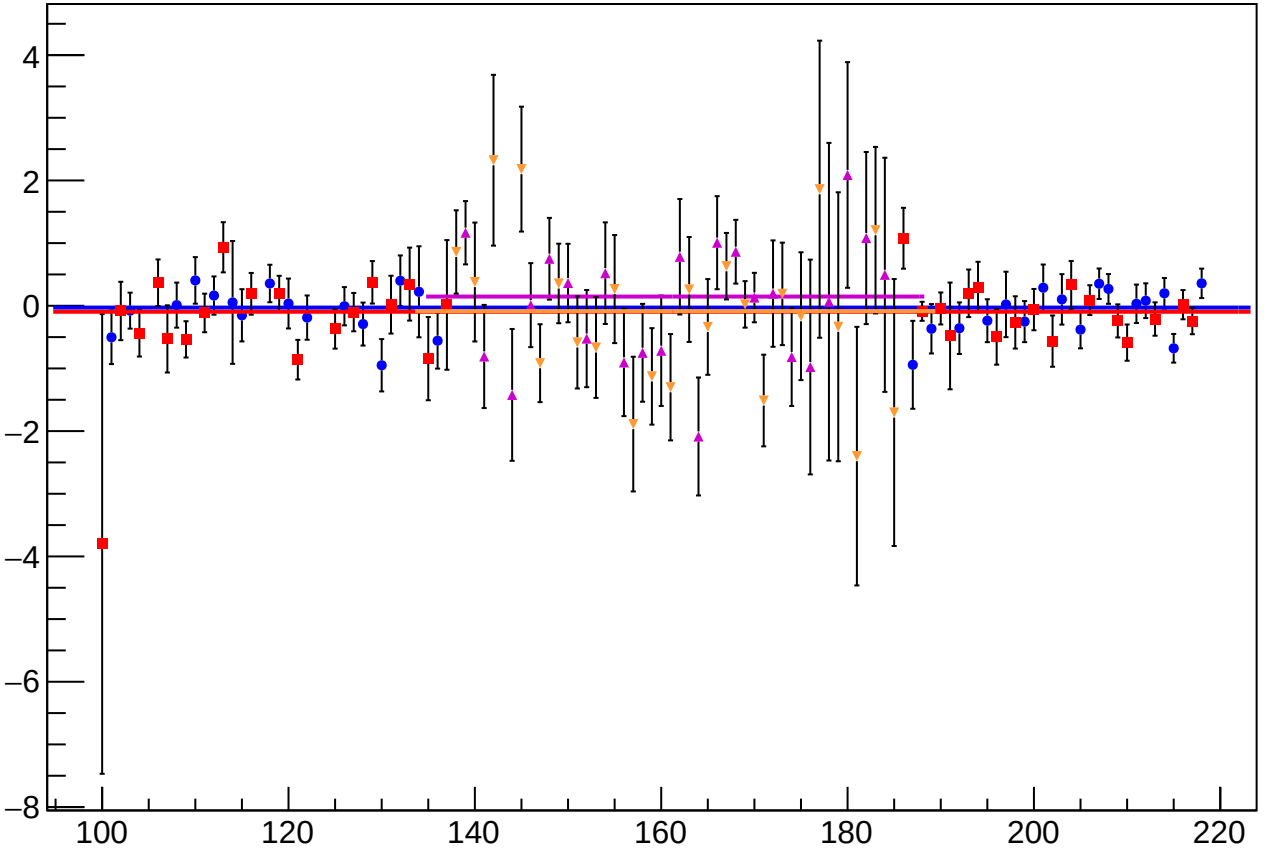
Left In: 623.922+/-0.112 χ^2/NDF:4541413.9/22

+ sign 296.968+/-0.039 χ^2/NDF: 16834782.6/55

All: 282.876+/-0.027 χ^2/NDF: 36307440.2/11

- sign 270.590+/-0.037 χ^2/NDF: 19231122.7/57

asym_atl2_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.029+/-0.059 χ^2/NDF: 35.1/31

Left Out: -0.085+/-0.161 χ^2/NDF:30.2/23

Right Out: -0.095+/-0.055 χ^2/NDF: 41.2/34

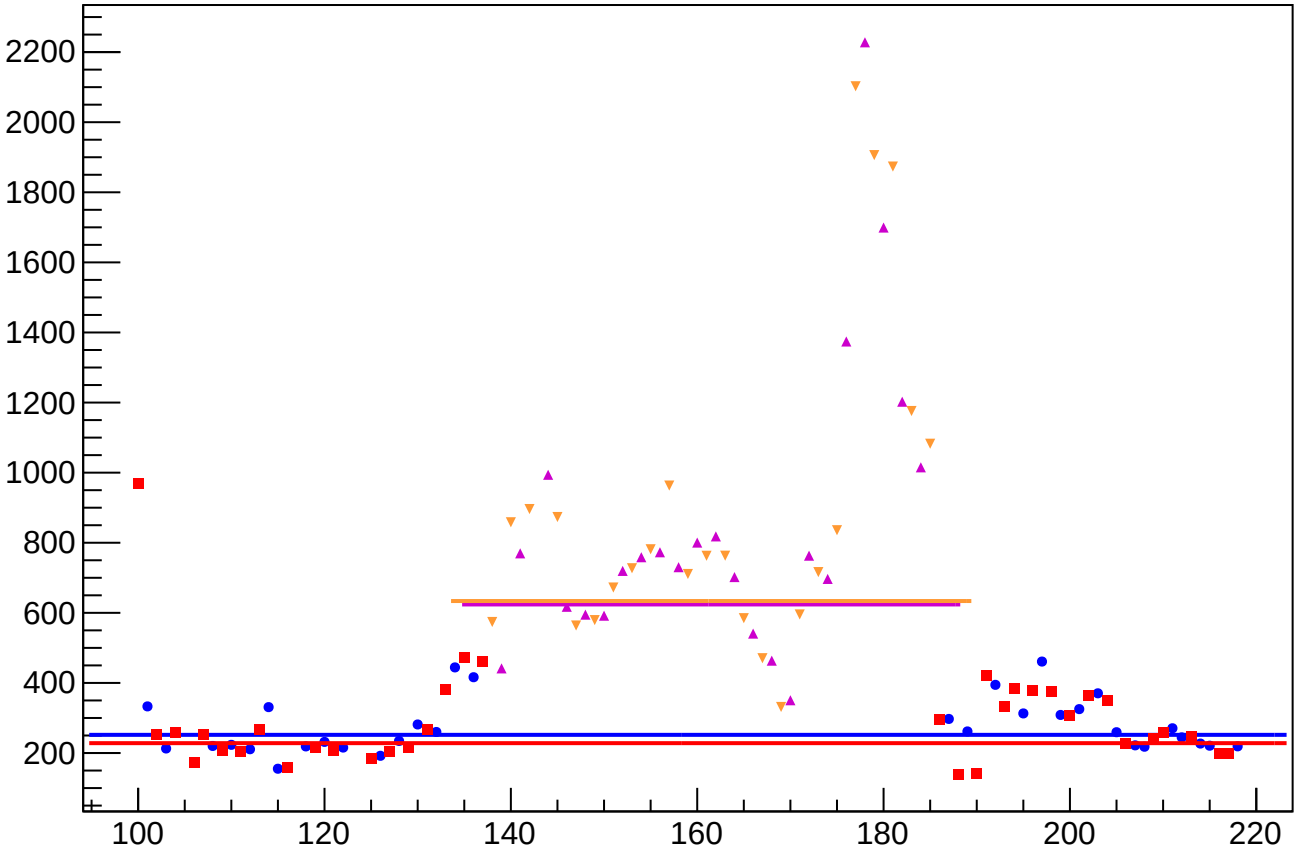
Left In: 0.147+/-0.158 χ^2/NDF:26.4/22

+ sign -0.036+/-0.055 χ^2/NDF: 65.5/55

All: -0.054+/-0.038 χ^2/NDF: 135.4/113

- sign -0.069+/-0.052 χ^2/NDF: 69.8/57

asym_atl2_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 251.872+/-0.042 χ^2/NDF: 1974521.5/31

Left Out: 633.678+/-0.114 χ^2/NDF:4994172.5/23

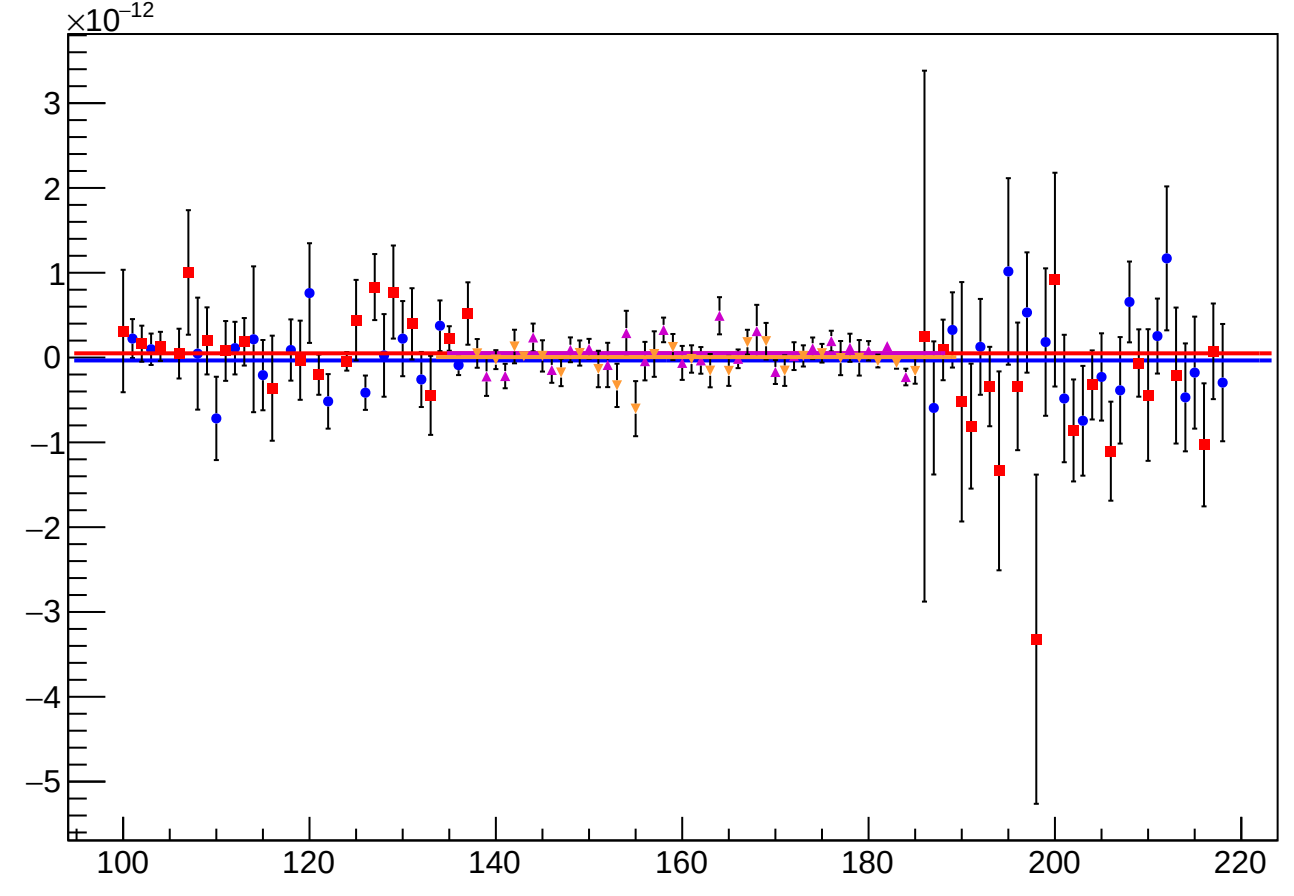
Right Out: 228.163+/-0.039 χ^2/NDF: 3516999.6/34

Left In: 623.922+/-0.112 χ^2/NDF:4541413.9/22

+ sign 296.968+/-0.039 χ^2/NDF: 16834782.6/55

All: 282.876+/-0.027 χ^2/NDF: 36307440.2/11

- sign 270.590+/-0.037 χ^2/NDF: 19231122.7/57



Right In: -0.000+/-0.000 χ^2/NDF: 24.9/31

Left Out: 0.000+/-0.000 χ^2/NDF:15.8/24

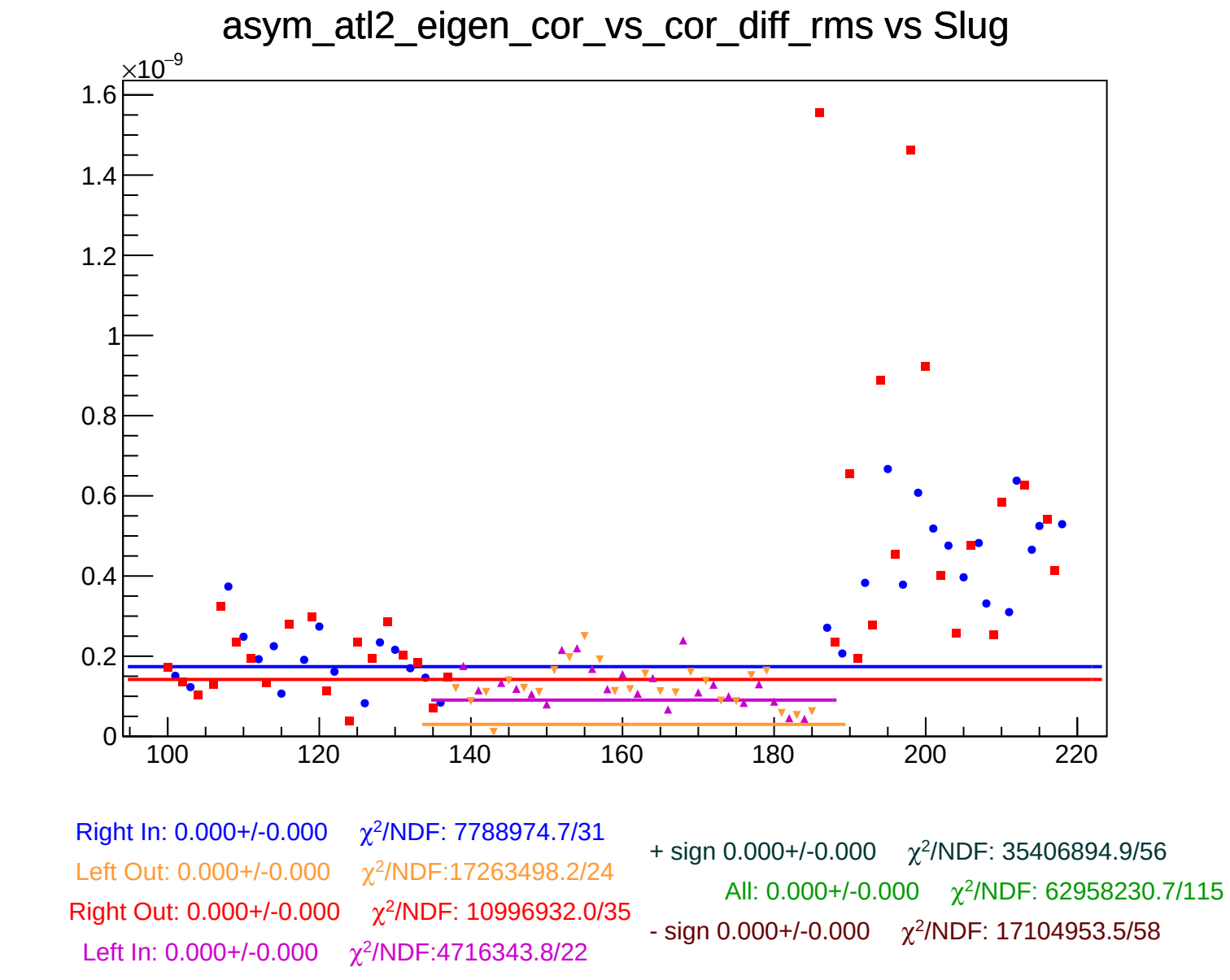
Right Out: 0.000+/-0.000 χ^2/NDF: 33.6/35

Left In: 0.000+/-0.000 χ^2/NDF:33.4/22

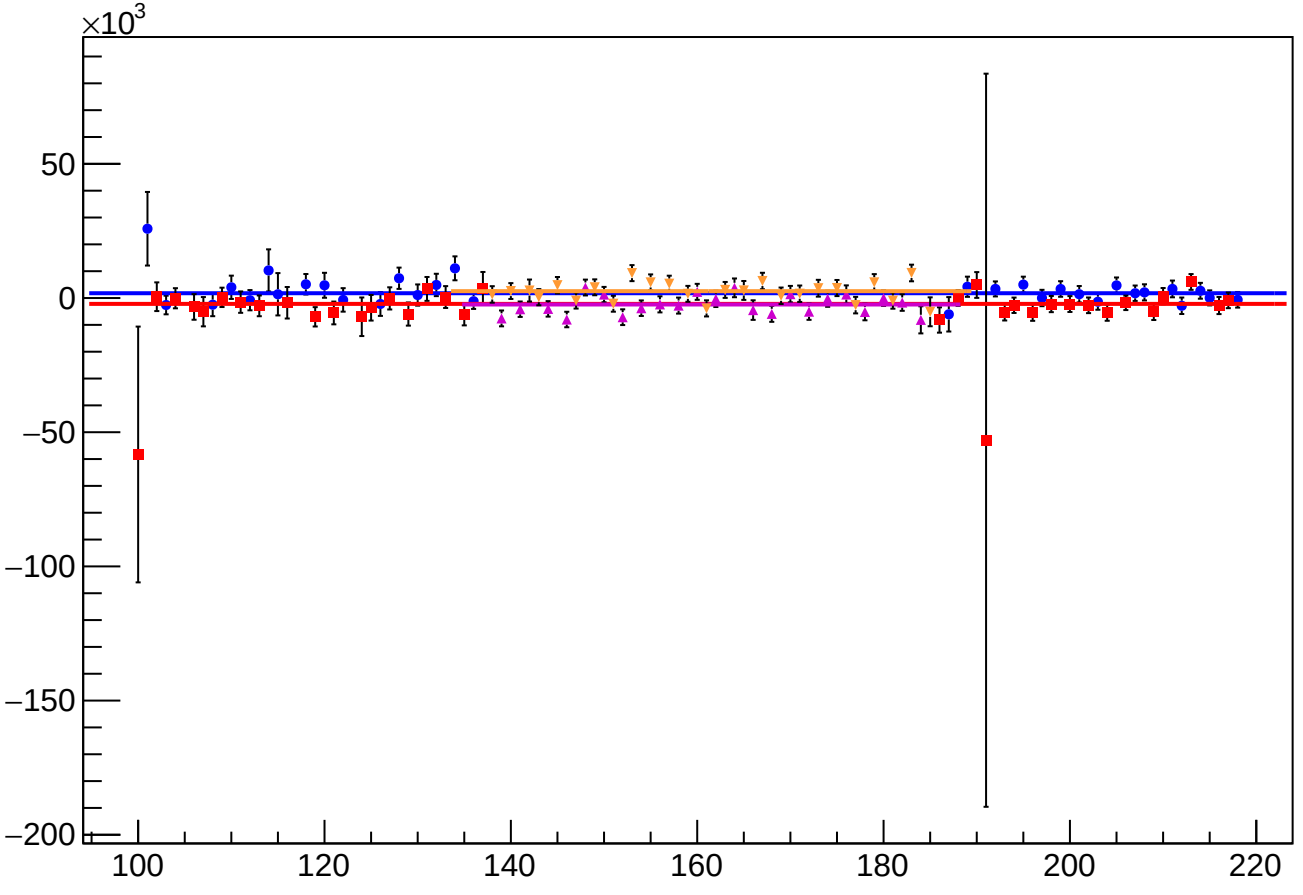
+ sign 0.000+/-0.000 χ^2/NDF: 41.1/56

All: 0.000+/-0.000 χ^2/NDF: 111.0/115

- sign 0.000+/-0.000 χ^2/NDF: 67.0/58


asym_atl2_eigen_cor_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
200
220
Right In: 0.000+/-0.000 χ²/NDF: 7788974.7/31
Left Out: 0.000+/-0.000 χ²/NDF:17263498.2/24
Right Out: 0.000+/-0.000 χ²/NDF: 10996932.0/35
Left In: 0.000+/-0.000 χ²/NDF:4716343.8/22
+ sign 0.000+/-0.000 χ²/NDF: 35406894.9/56
All: 0.000+/-0.000 χ²/NDF: 62958230.7/115
- sign 0.000+/-0.000 χ²/NDF: 17104953.5/58

reg_asym_atr1_mean vs Slug



Right In: 1791.313+/-623.622 χ^2/NDF: 27.8/31

Left Out: 2556.827+/-621.829 χ^2/NDF:31.6/24

Right Out: -2182.762+/-619.255 χ^2/NDF: 28.5/35

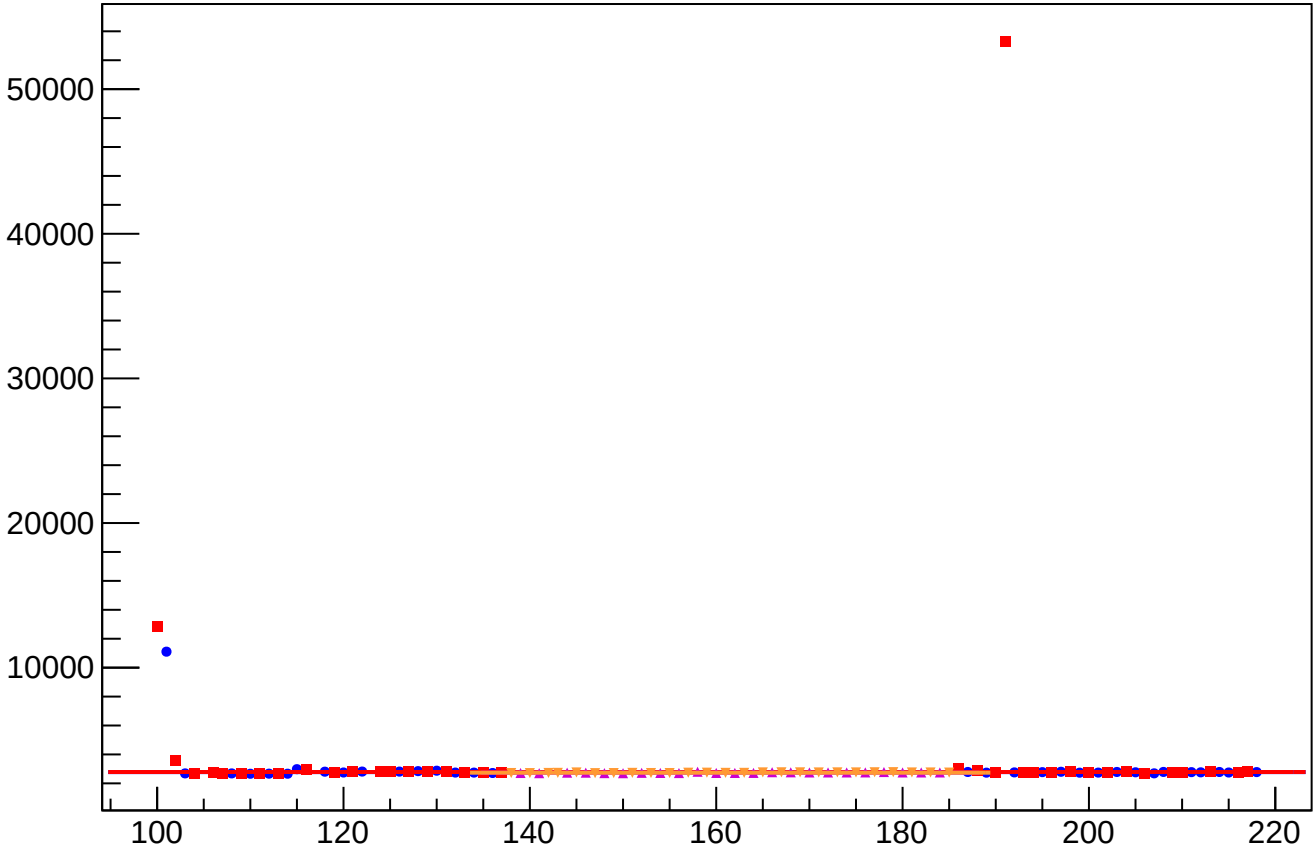
Left In: -2408.320+/-639.726 χ^2/NDF:31.4/22

+ sign 2175.172+/-440.332 χ^2/NDF: 60.2/56

All: -35.097+/-312.979 χ^2/NDF: 171.0/115

- sign -2291.874+/-444.941 χ^2/NDF: 59.9/58

reg_asym_atr1_rms vs Slug



Right In: 2777.615+/-0.441 χ^2/NDF: 750729.2/31

Left Out: 2737.519+/-0.440 χ^2/NDF:2317.5/24

Right Out: 2784.462+/-0.438 χ^2/NDF: 481906.7/35

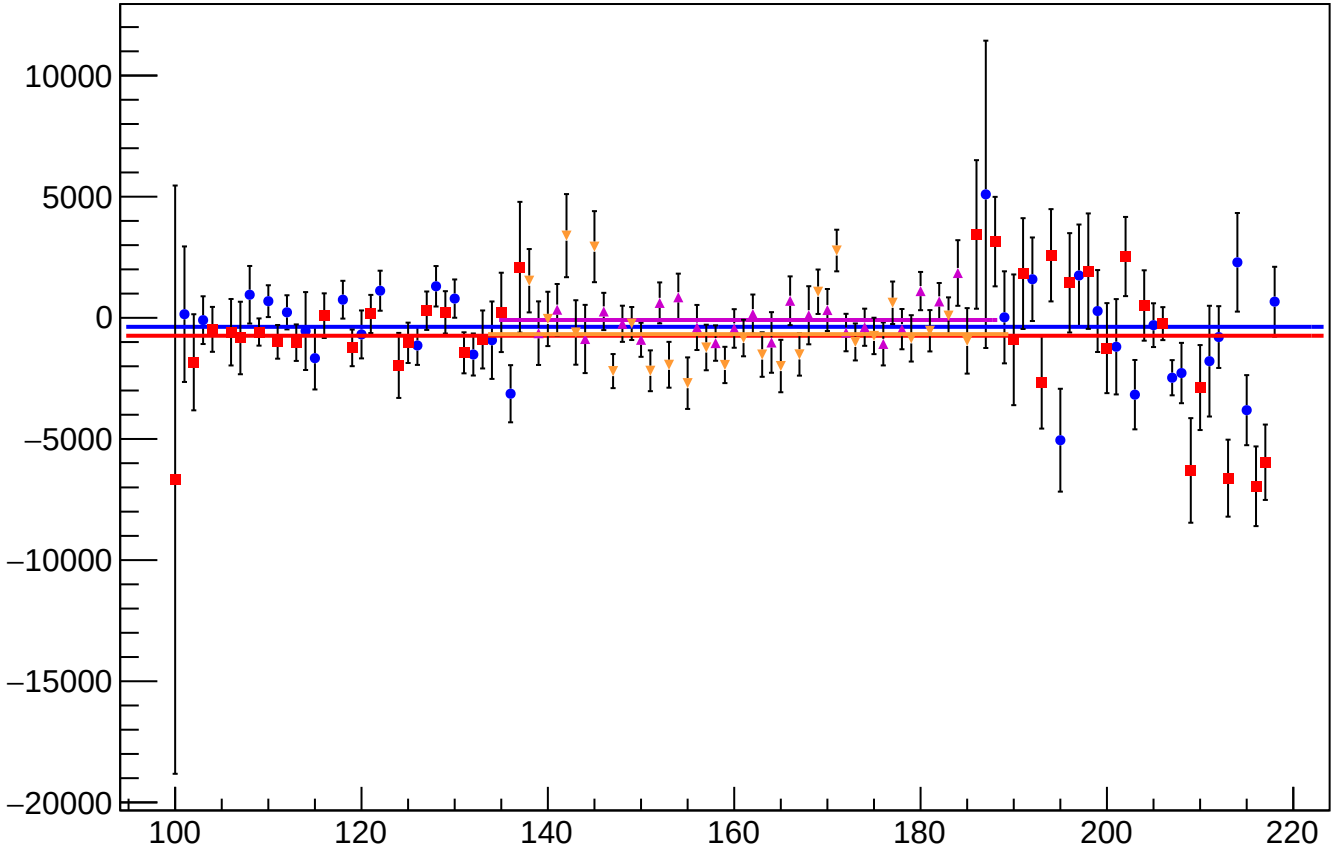
Left In: 2739.863+/-0.452 χ^2/NDF:3362.0/22

+ sign 2757.509+/-0.311 χ^2/NDF: 757192.5/56

All: 2760.170+/-0.221 χ^2/NDF: 1247627.2/11

- sign 2762.888+/-0.315 χ^2/NDF: 490287.0/58

asym_atr1_reg_correction_mean vs Slug



Right In: -371.604+/-194.993 χ^2/NDF: 56.8/31

Left Out: -673.693+/-181.230 χ^2/NDF:58.4/24

Right Out: -739.480+/-188.470 χ^2/NDF: 76.3/35

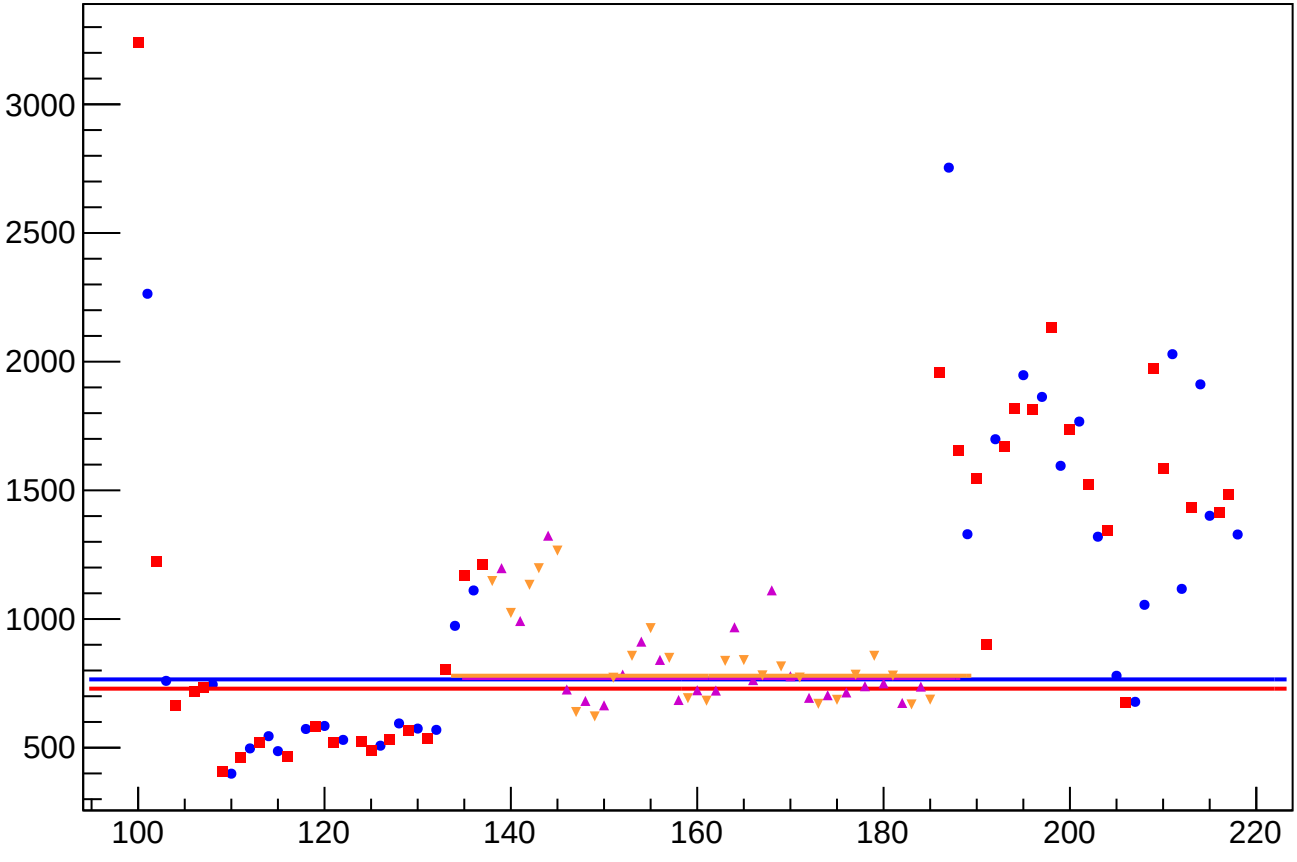
Left In: -89.519+/-183.491 χ^2/NDF:14.8/22

+ sign -533.684+/-132.748 χ^2/NDF: 116.4/56

All: -469.125+/-93.413 χ^2/NDF: 214.0/115

- sign -405.801+/-131.473 χ^2/NDF: 97.2/58

asym_atr1_reg_correction_rms vs Slug



Right In: 765.435+/-0.138 χ^2/NDF: 8335532.8/31

Left Out: 779.715+/-0.128 χ^2/NDF:1243743.5/24

Right Out: 729.387+/-0.133 χ^2/NDF: 9616638.7/35

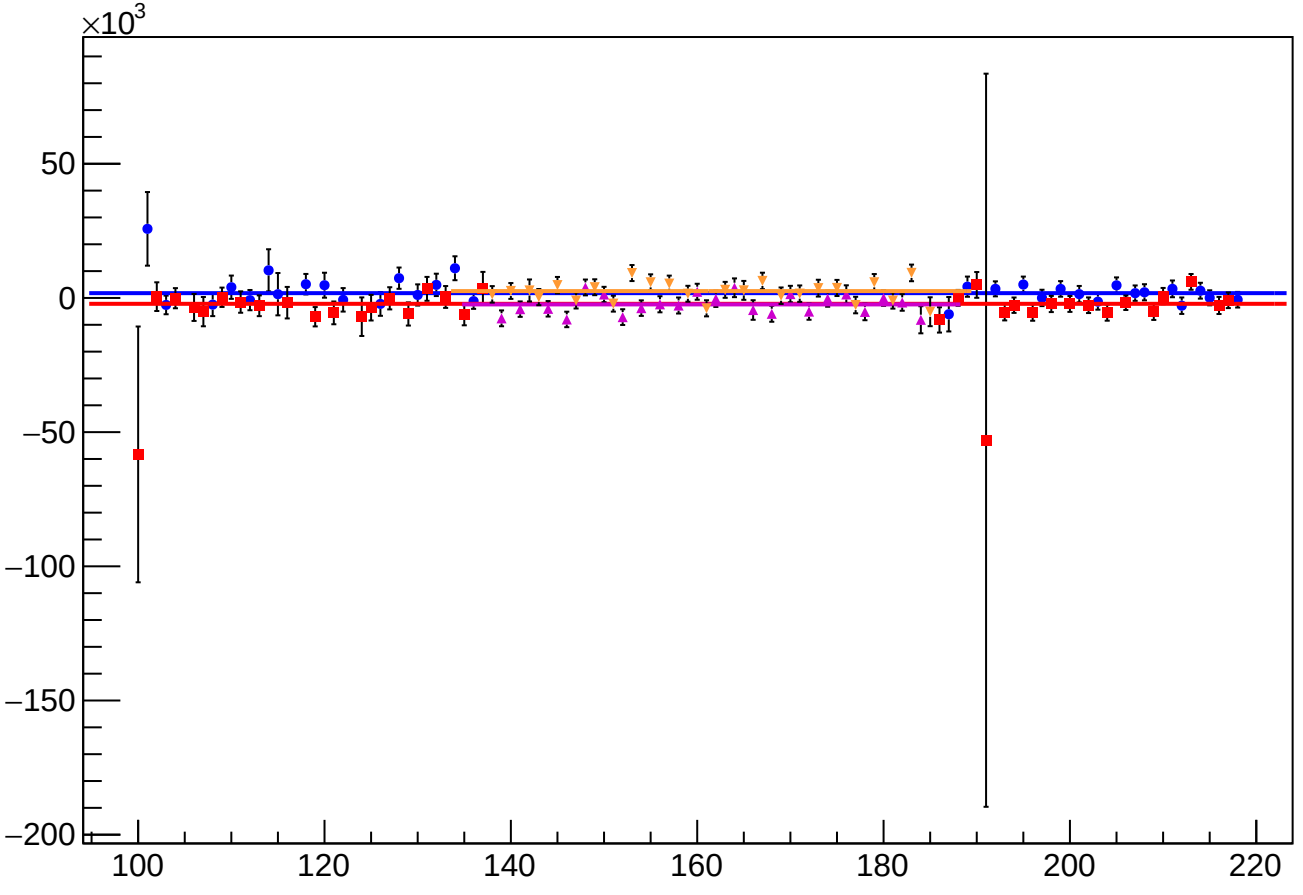
Left In: 770.795+/-0.130 χ^2/NDF:1076354.9/22

+ sign 773.097+/-0.094 χ^2/NDF: 9585031.0/56

All: 761.763+/-0.066 χ^2/NDF: 20356466.5/11

- sign 750.645+/-0.093 χ^2/NDF: 10742554.8/58

cor_asym_atr1_mean vs Slug



Right In: 1790.979+/-623.622 χ^2/NDF: 27.8/31

Left Out: 2556.787+/-621.829 χ^2/NDF:31.6/24

Right Out: -2184.519+/-619.764 χ^2/NDF: 28.5/35

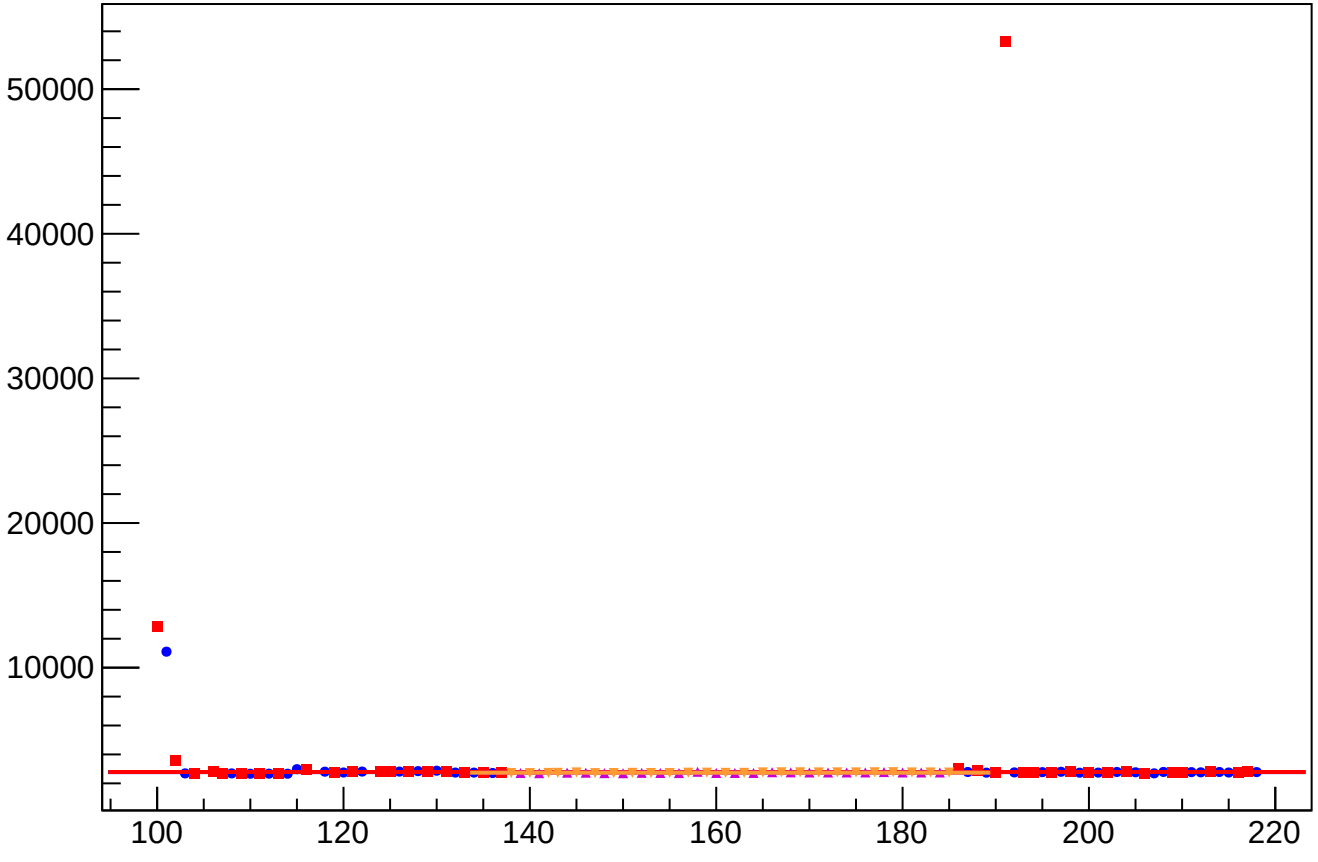
Left In: -2408.461+/-639.726 χ^2/NDF:31.4/22

+ sign 2174.986+/-440.332 χ^2/NDF: 60.1/56

All: -34.772+/-313.044 χ^2/NDF: 171.0/115

- sign -2292.942+/-445.129 χ^2/NDF: 59.9/58

cor_asym_atr1_rms vs Slug



Right In: 2777.615+/-0.441 χ^2/NDF: 750728.3/31

Left Out: 2737.519+/-0.440 χ^2/NDF:2317.5/24

Right Out: 2786.358+/-0.438 χ^2/NDF: 481773.0/35

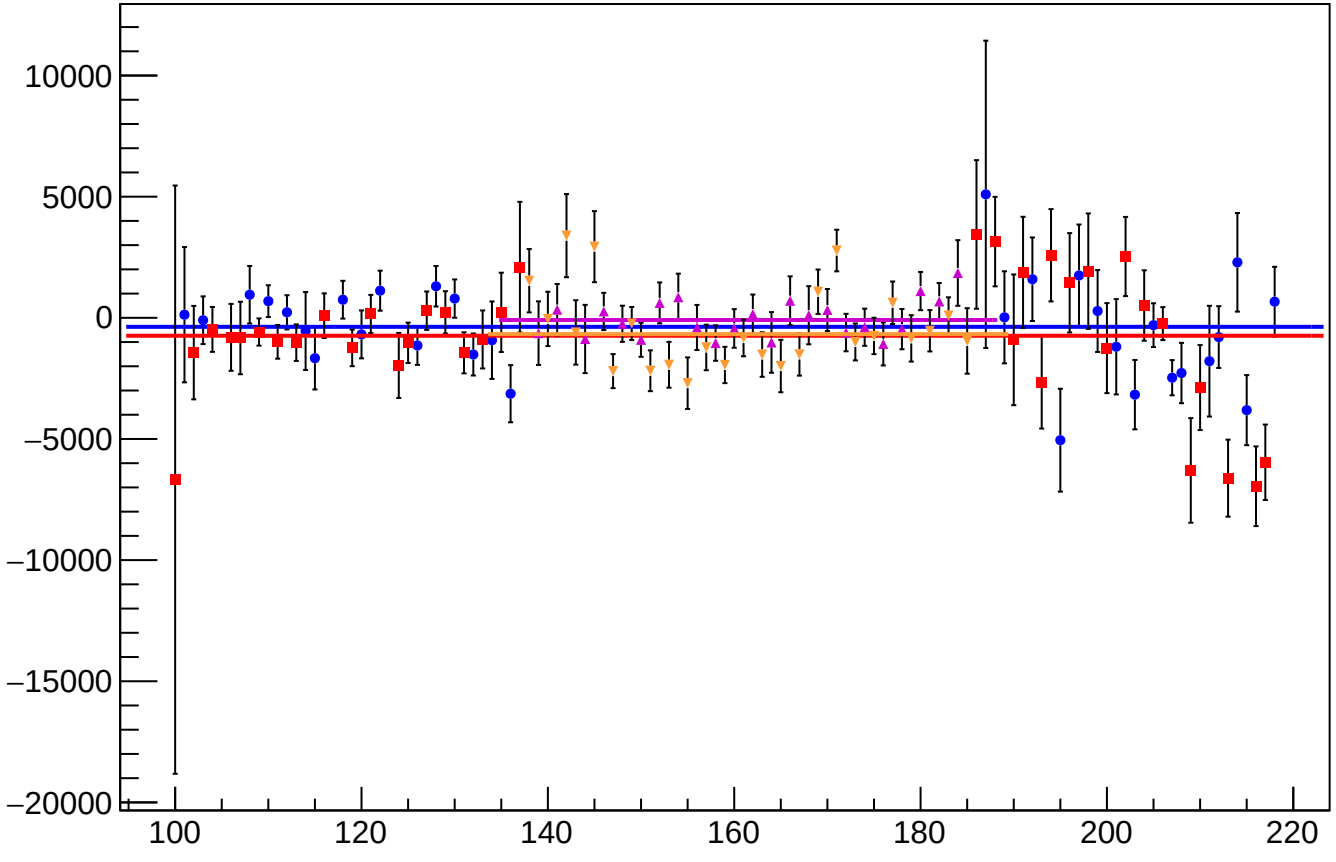
Left In: 2739.863+/-0.452 χ^2/NDF:3362.0/22

+ sign 2757.509+/-0.311 χ^2/NDF: 757191.6/56

All: 2760.644+/-0.221 χ^2/NDF: 1247981.3/11

- sign 2763.847+/-0.315 χ^2/NDF: 490584.8/58

asym_atr1_cor_correction_mean vs Slug



Right In: -371.603+/-194.986 χ^2/NDF: 56.8/31

Left Out: -673.608+/-181.230 χ^2/NDF:58.4/24

Right Out: -740.130+/-188.445 χ^2/NDF: 76.1/35

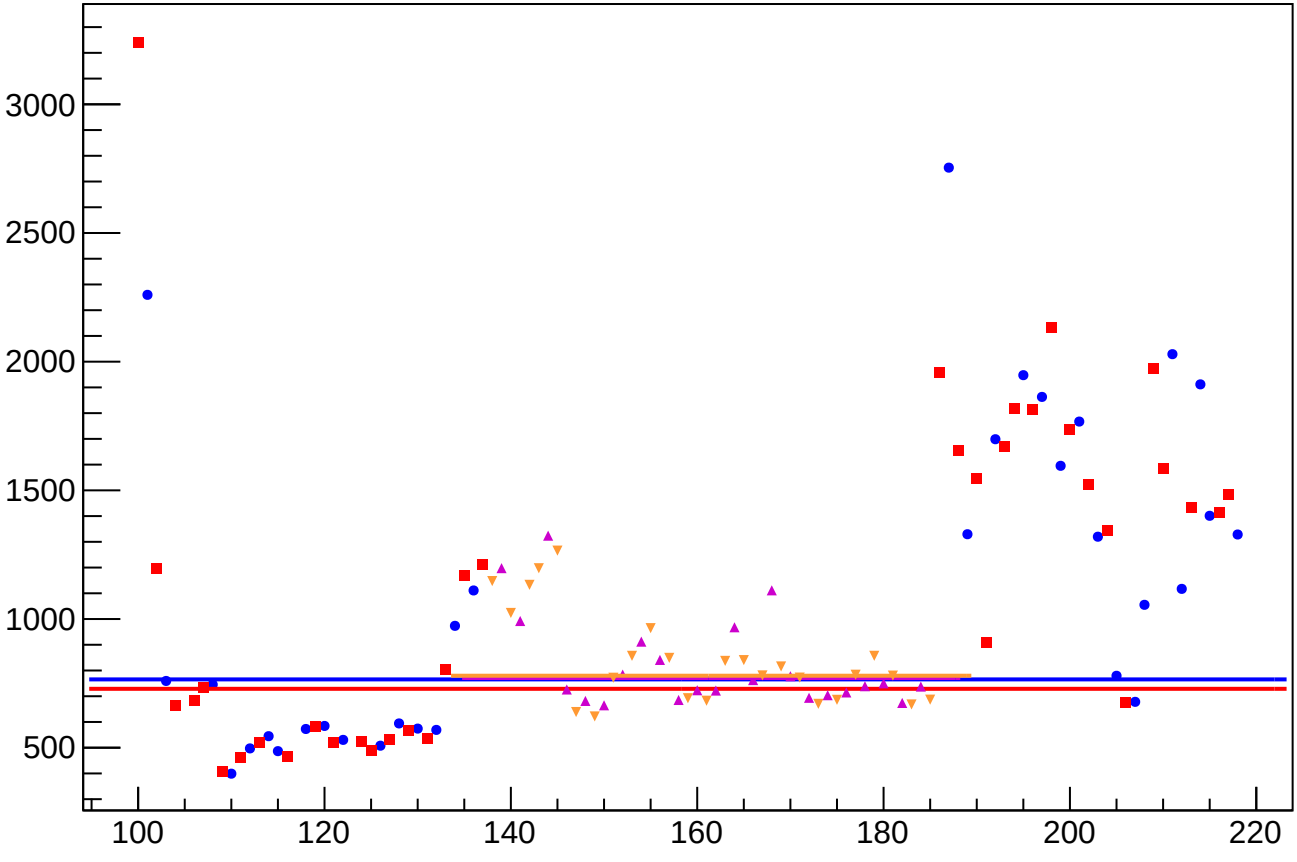
Left In: -89.643+/-183.492 χ^2/NDF:14.8/22

+ sign -533.633+/-132.746 χ^2/NDF: 116.4/56

All: -469.312+/-93.409 χ^2/NDF: 213.9/115

- sign -406.227+/-131.465 χ^2/NDF: 97.0/58

asym_atr1_cor_correction_rms vs Slug



Right In: 765.422+/-0.138 χ^2/NDF: 8334733.6/31

Left Out: 779.713+/-0.128 χ^2/NDF:1243769.6/24

Right Out: 728.801+/-0.133 χ^2/NDF: 9614061.0/35

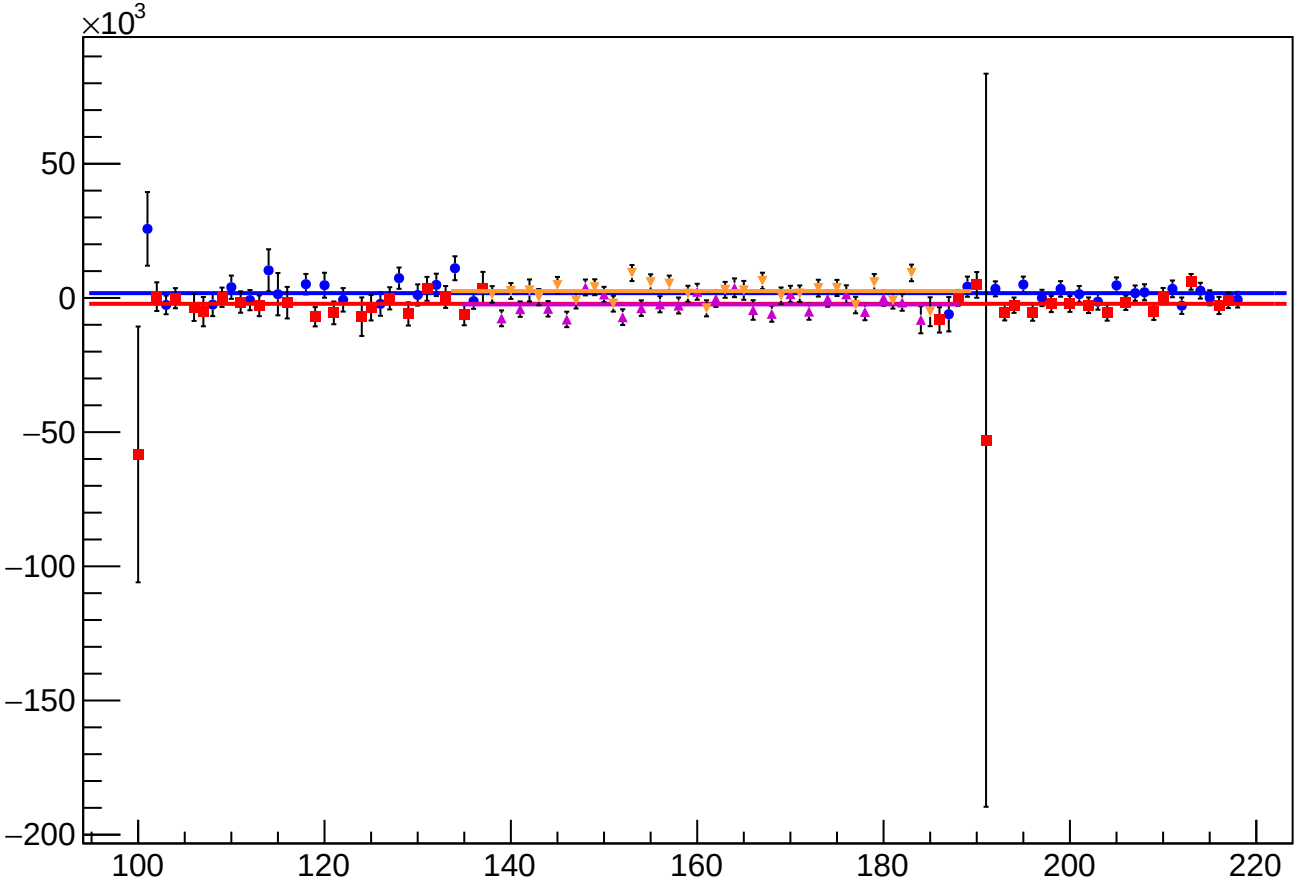
Left In: 770.799+/-0.130 χ^2/NDF:1076291.1/22

+ sign 773.089+/-0.094 χ^2/NDF: 9584267.5/56

All: 761.614+/-0.066 χ^2/NDF: 20355215.9/11

- sign 750.359+/-0.093 χ^2/NDF: 10741343.8/58

eigen_cor_asym_atr1_mean vs Slug



Right In: 1790.979+/-623.622 χ^2/NDF: 27.8/31

Left Out: 2556.787+/-621.829 χ^2/NDF:31.6/24

Right Out: -2184.519+/-619.764 χ^2/NDF: 28.5/35

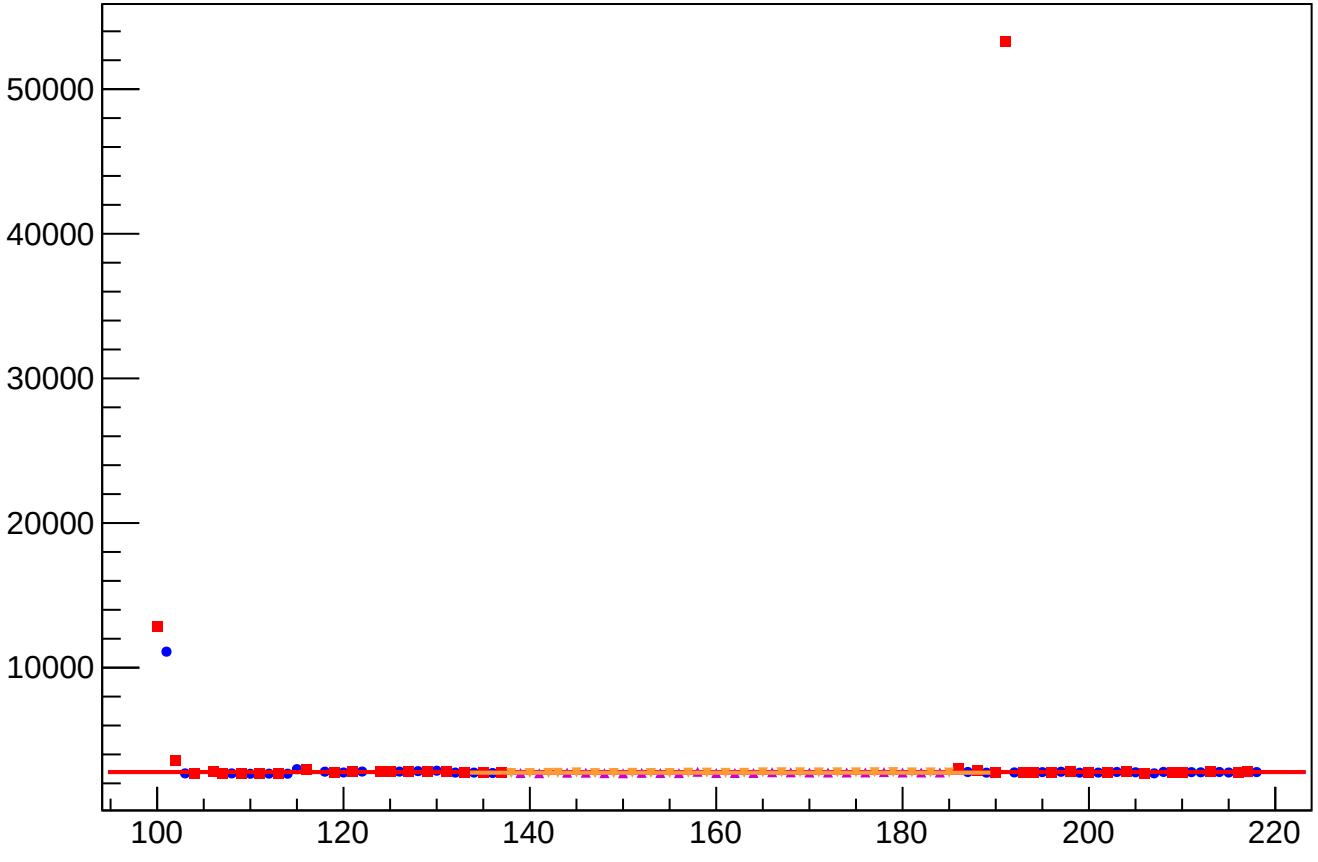
Left In: -2408.461+/-639.726 χ^2/NDF:31.4/22

+ sign 2174.986+/-440.332 χ^2/NDF: 60.1/56

All: -34.772+/-313.044 χ^2/NDF: 171.0/115

- sign -2292.942+/-445.129 χ^2/NDF: 59.9/58

eigen_cor_asym_atr1_rms vs Slug



Right In: 2777.615+/-0.441 χ^2/NDF: 750728.3/31

Left Out: 2737.519+/-0.440 χ^2/NDF:2317.5/24

Right Out: 2786.358+/-0.438 χ^2/NDF: 481773.0/35

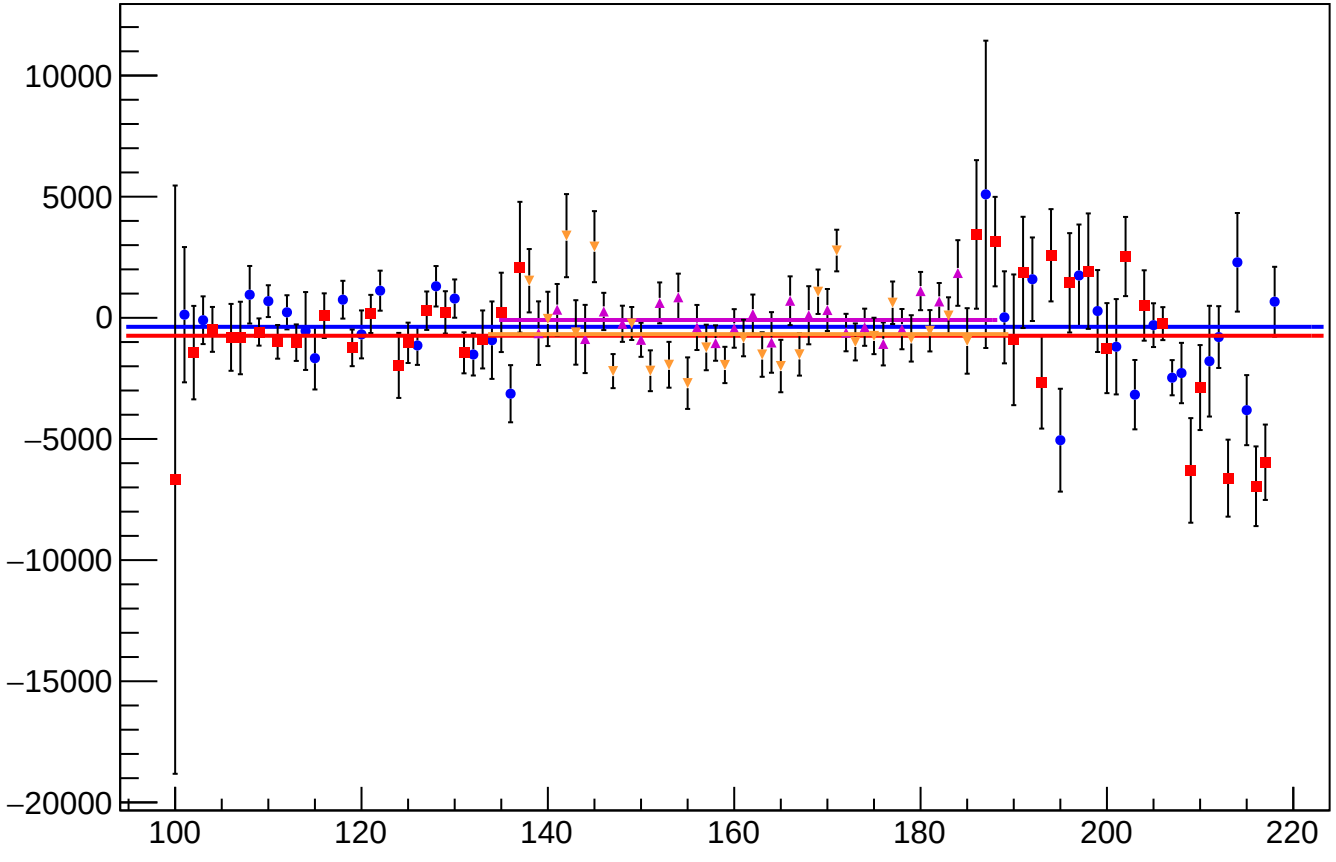
Left In: 2739.863+/-0.452 χ^2/NDF:3362.0/22

+ sign 2757.509+/-0.311 χ^2/NDF: 757191.6/56

All: 2760.644+/-0.221 χ^2/NDF: 1247981.3/11

- sign 2763.847+/-0.315 χ^2/NDF: 490584.8/58

asym_atr1_eigen_cor_correction_mean vs Slug



Right In: -371.603+/-194.986 χ^2/NDF: 56.8/31

Left Out: -673.608+/-181.230 χ^2/NDF:58.4/24

Right Out: -740.130+/-188.445 χ^2/NDF: 76.1/35

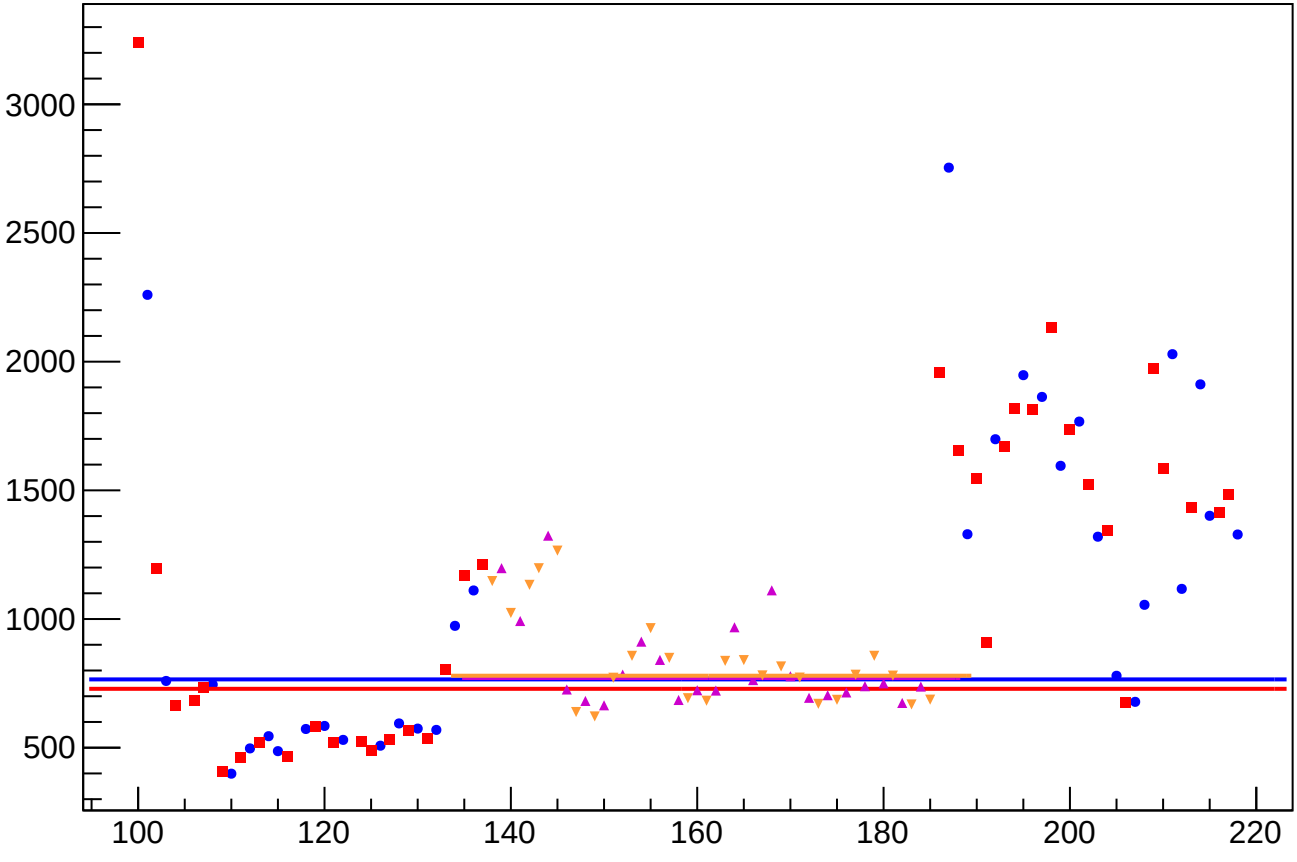
Left In: -89.643+/-183.492 χ^2/NDF:14.8/22

+ sign -533.633+/-132.746 χ^2/NDF: 116.4/56

All: -469.312+/-93.409 χ^2/NDF: 213.9/115

- sign -406.227+/-131.465 χ^2/NDF: 97.0/58

asym_atr1_eigen_cor_correction_rms vs Slug



Right In: 765.422+/-0.138 χ^2/NDF: 8334733.6/31

Left Out: 779.713+/-0.128 χ^2/NDF:1243769.6/24

Right Out: 728.801+/-0.133 χ^2/NDF: 9614061.0/35

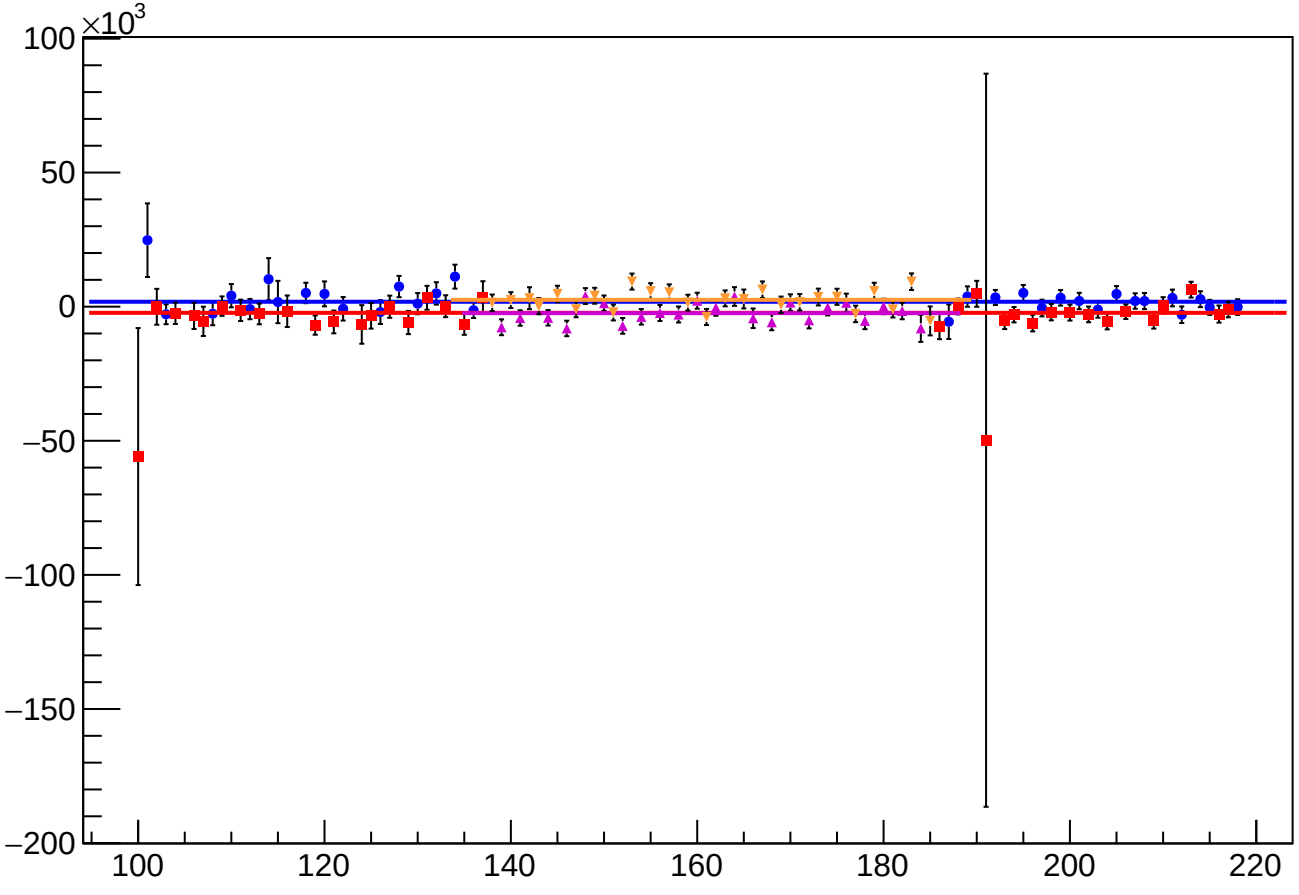
Left In: 770.799+/-0.130 χ^2/NDF:1076291.1/22

+ sign 773.089+/-0.094 χ^2/NDF: 9584267.5/56

All: 761.614+/-0.066 χ^2/NDF: 20355215.9/11

- sign 750.359+/-0.093 χ^2/NDF: 10741343.8/58

dit_asym_atr1_mean vs Slug



Right In: 1833.285+/-626.669 χ^2/NDF: 27.6/31

Left Out: 2545.043+/-622.236 χ^2/NDF:31.9/24

Right Out: -2295.634+/-624.183 χ^2/NDF: 28.3/35

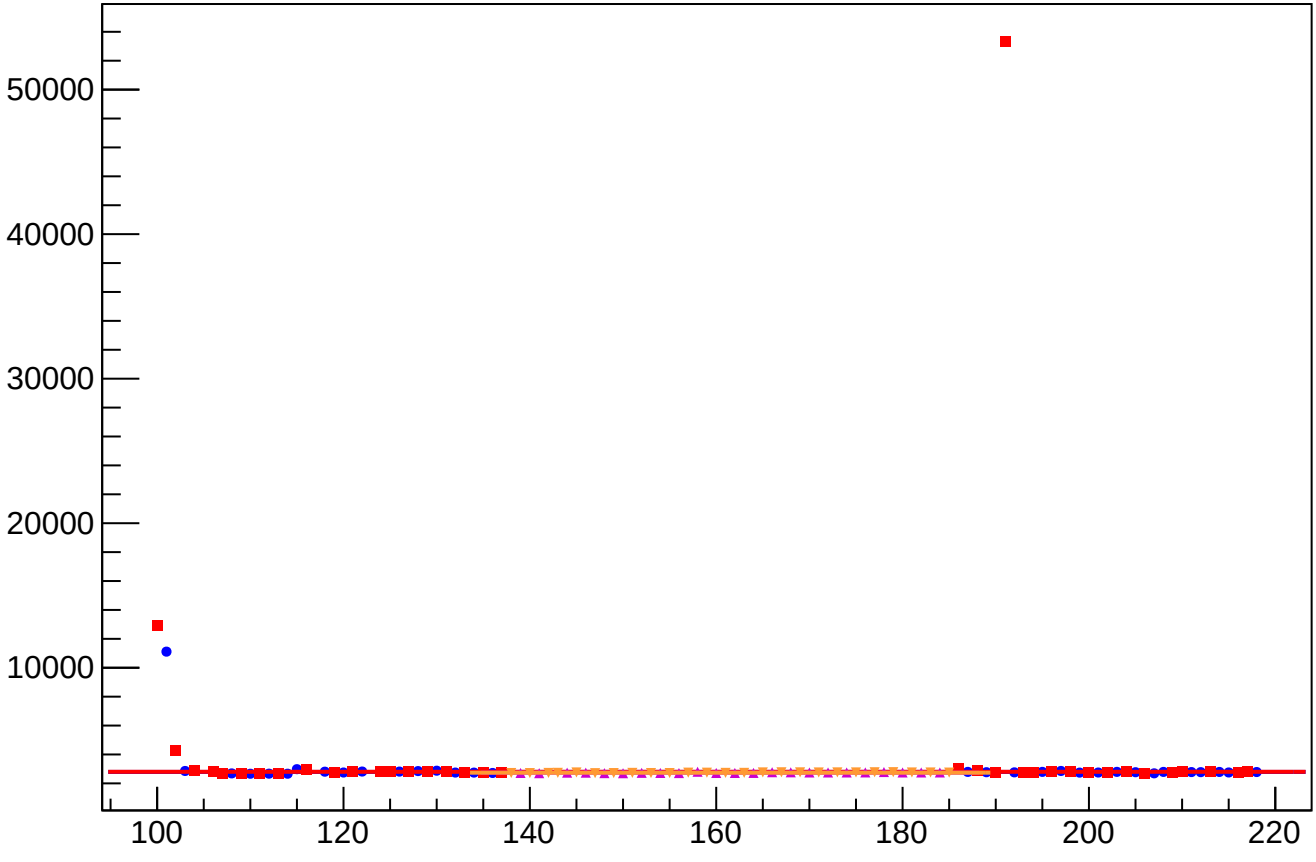
Left In: -2406.858+/-640.084 χ^2/NDF:31.8/22

+ sign 2191.690+/-441.546 χ^2/NDF: 60.2/56

All: -51.813+/-314.089 χ^2/NDF: 172.5/115

- sign -2349.847+/-446.880 χ^2/NDF: 60.1/58

dit_asym_atr1_rms vs Slug



Right In: 2791.046+/-0.443 χ^2/NDF: 750545.3/31

Left Out: 2739.304+/-0.440 χ^2/NDF:2322.3/24

Right Out: 2801.326+/-0.441 χ^2/NDF: 535660.1/35

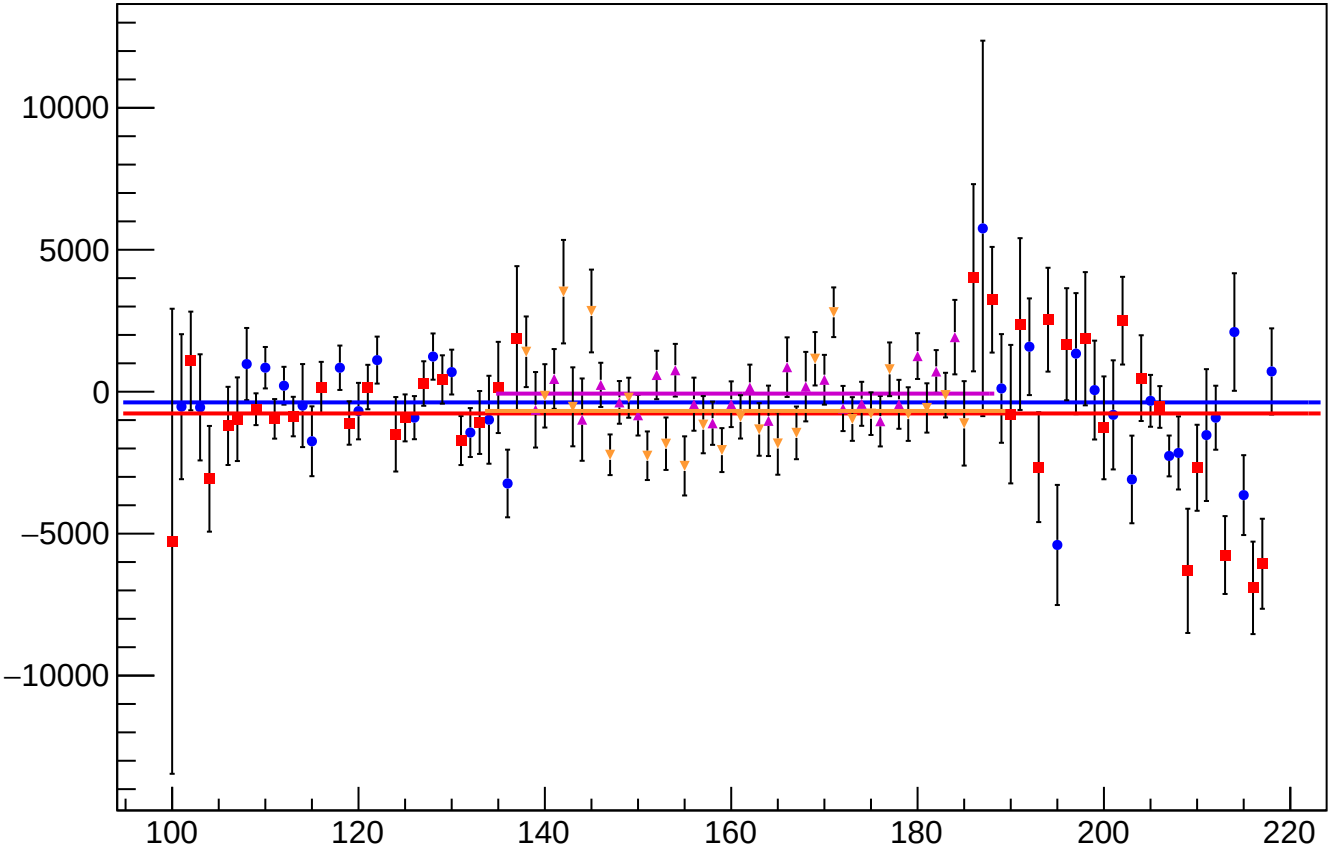
Left In: 2741.391+/-0.453 χ^2/NDF:3369.6/22

+ sign 2764.991+/-0.312 χ^2/NDF: 759733.3/56

All: 2768.509+/-0.222 χ^2/NDF: 1308008.3/11

- sign 2772.112+/-0.316 χ^2/NDF: 548018.0/58

asym_atr1_dit_correction_mean vs Slug



Right In: -376.406+/-197.182 χ^2/NDF: 53.8/31

Left Out: -678.226+/-185.004 χ^2/NDF:56.2/24

Right Out: -766.107+/-189.505 χ^2/NDF: 79.5/35

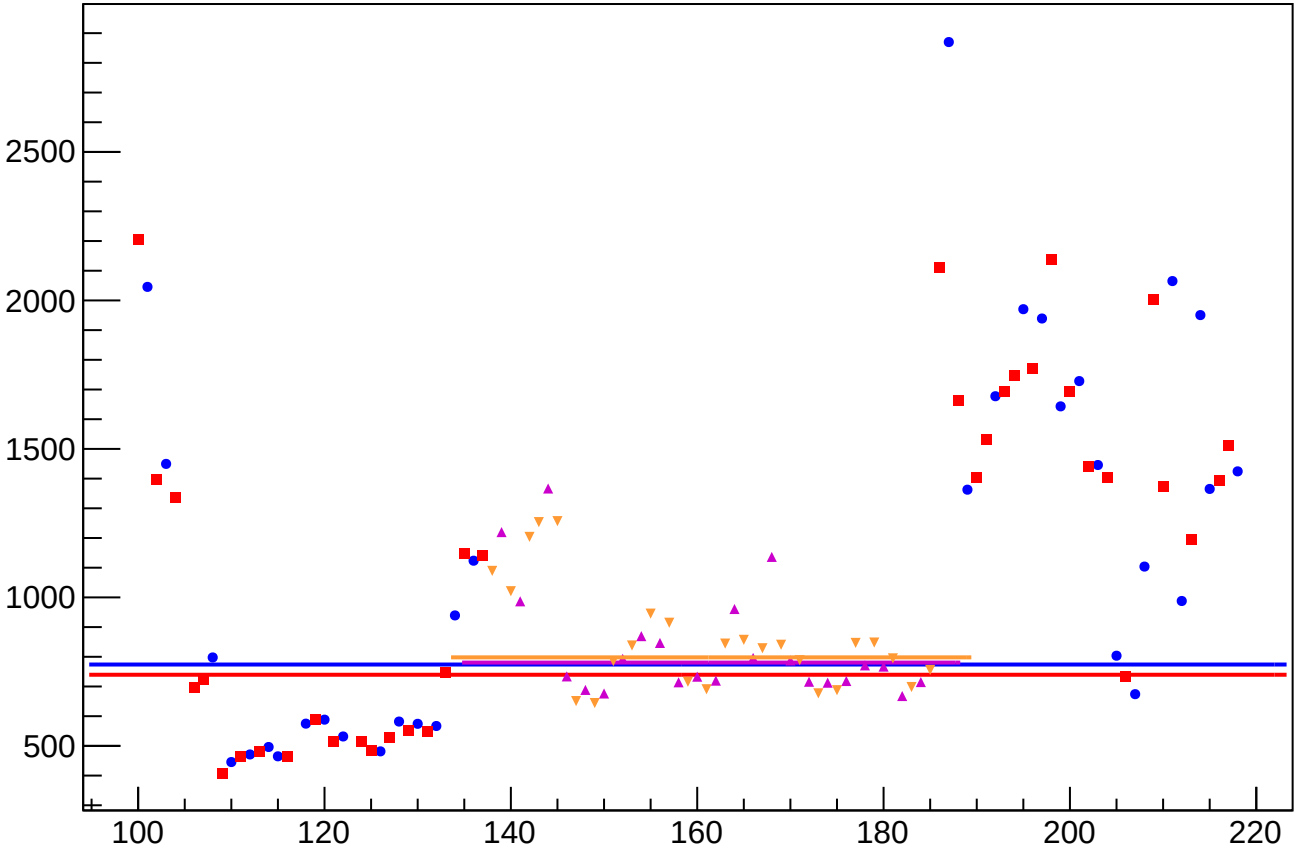
Left In: -67.156+/-185.436 χ^2/NDF:15.8/22

+ sign -536.923+/-134.918 χ^2/NDF: 111.2/56

All: -471.847+/-94.549 χ^2/NDF: 213.9/115

- sign -409.047+/-132.538 χ^2/NDF: 102.2/58

asym_atr1_dit_correction_rms vs Slug



Right In: 773.957+/-0.139 χ^2/NDF: 8780607.3/31

Left Out: 798.091+/-0.131 χ^2/NDF:1168352.1/24

Right Out: 739.513+/-0.134 χ^2/NDF: 9897591.4/35

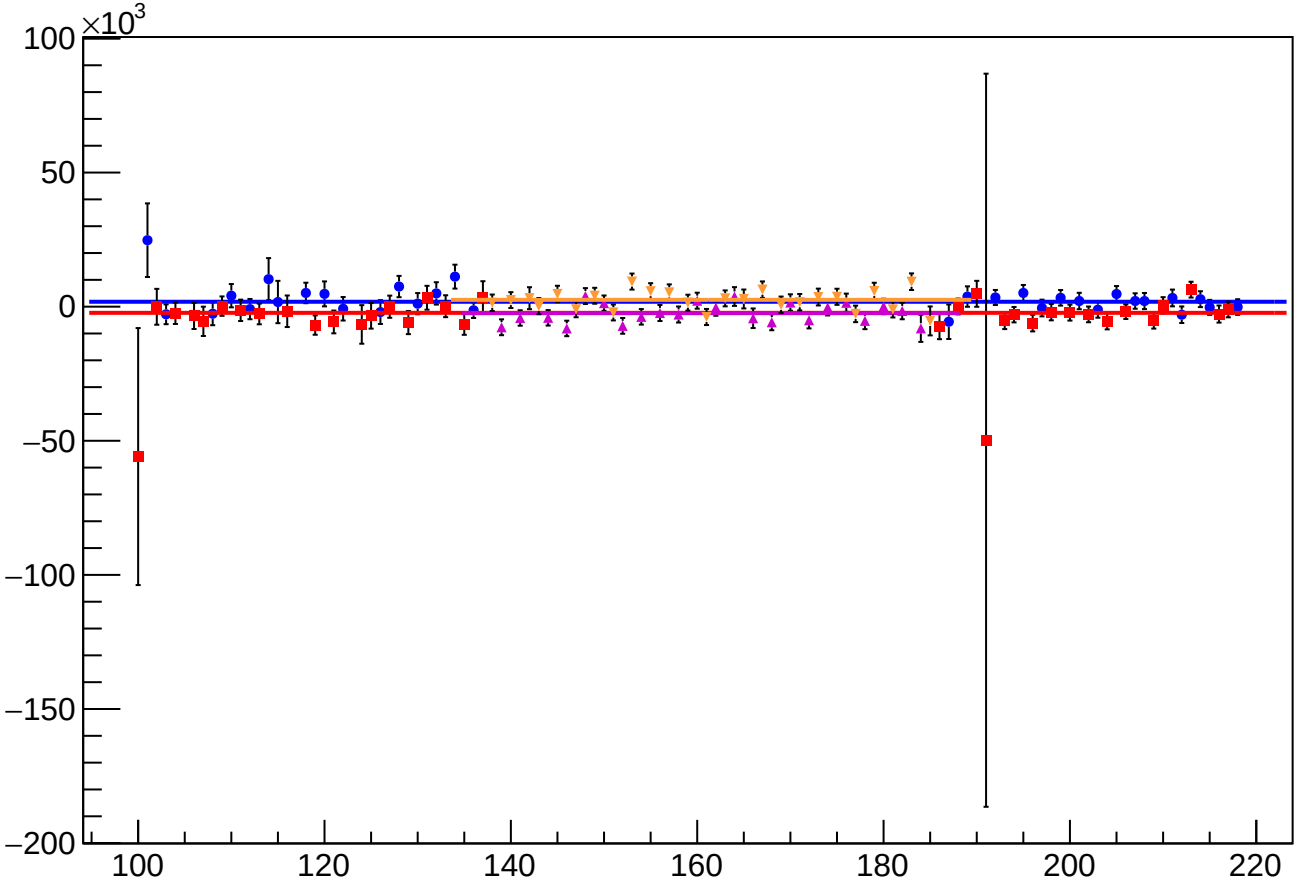
Left In: 780.525+/-0.131 χ^2/NDF:1064827.5/22

+ sign 786.793+/-0.095 χ^2/NDF: 9964893.4/56

All: 773.394+/-0.067 χ^2/NDF: 21013925.9/11

- sign 760.464+/-0.094 χ^2/NDF: 11010273.1/58

eigen_dit_asym_atr1_mean vs Slug



Right In: 1833.286+/-626.669 χ^2/NDF: 27.6/31

Left Out: 2545.044+/-622.236 χ^2/NDF:31.9/24

Right Out: -2295.632+/-624.183 χ^2/NDF: 28.3/35

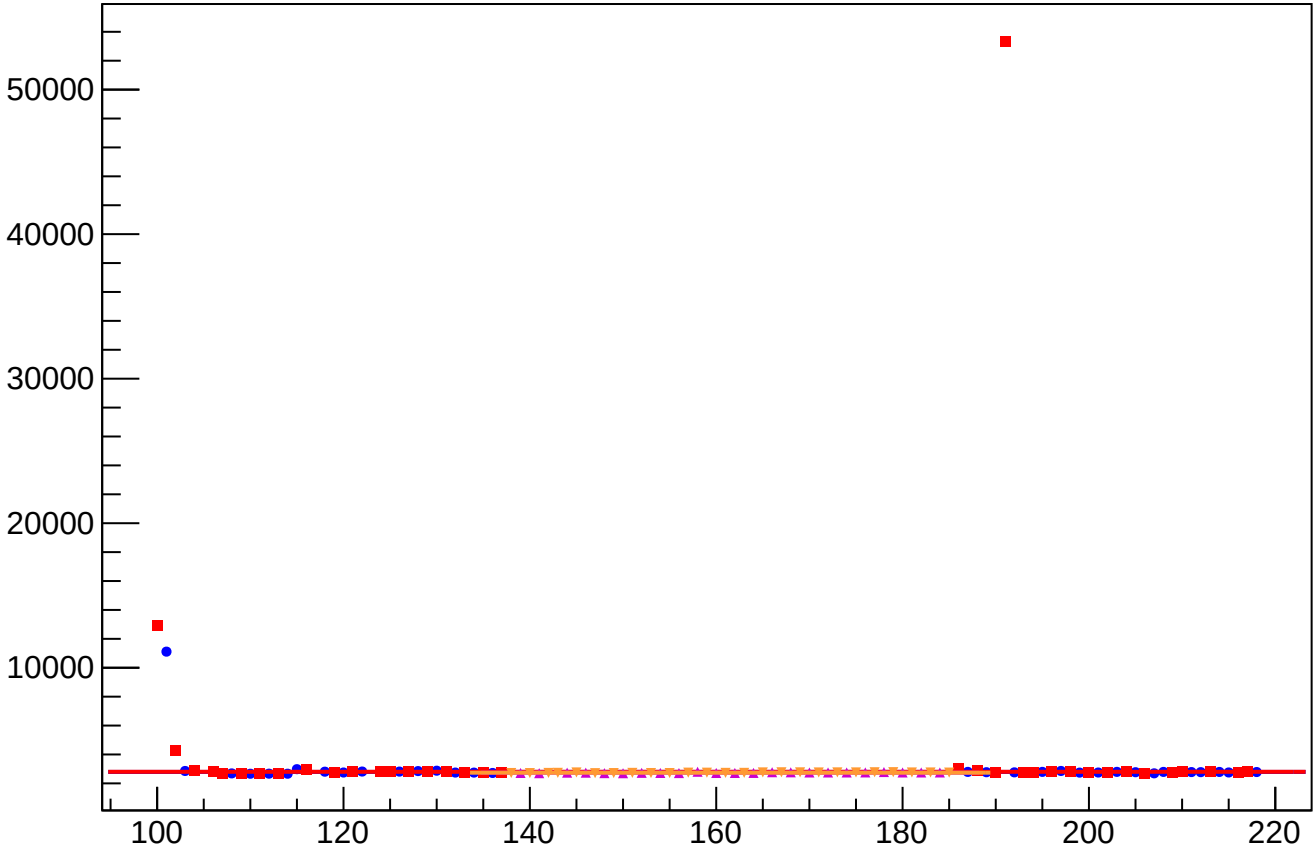
Left In: -2406.858+/-640.084 χ^2/NDF:31.8/22

+ sign 2191.692+/-441.546 χ^2/NDF: 60.2/56

All: -51.812+/-314.089 χ^2/NDF: 172.5/115

- sign -2349.846+/-446.880 χ^2/NDF: 60.1/58

eigen_dit_asym_atr1_rms vs Slug



Right In: 2791.046+/-0.443 χ^2/NDF: 750545.3/31

Left Out: 2739.304+/-0.440 χ^2/NDF:2322.3/24

Right Out: 2801.326+/-0.441 χ^2/NDF: 535659.9/35

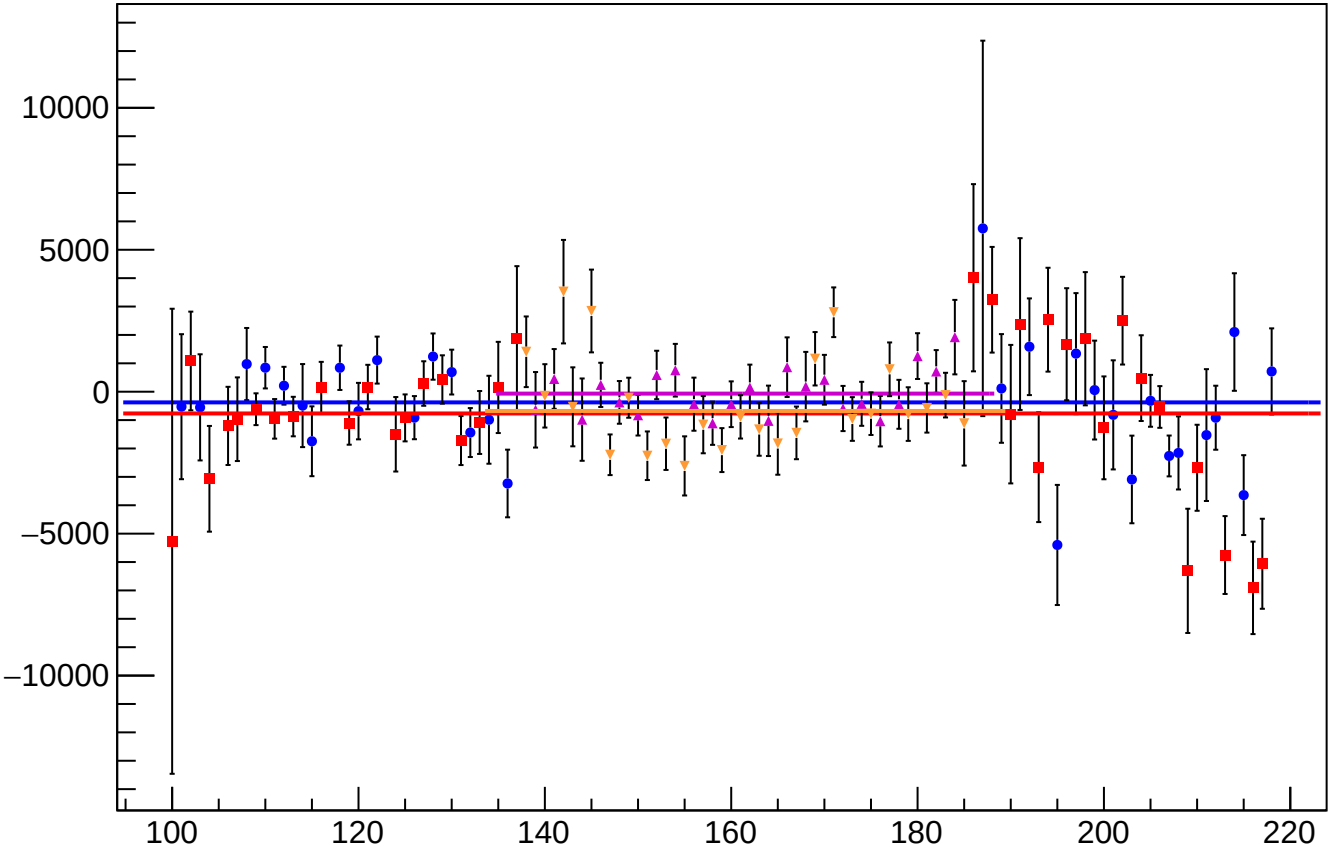
Left In: 2741.391+/-0.453 χ^2/NDF:3369.6/22

+ sign 2764.991+/-0.312 χ^2/NDF: 759733.2/56

All: 2768.509+/-0.222 χ^2/NDF: 1308008.0/11

- sign 2772.112+/-0.316 χ^2/NDF: 548017.8/58

asym_atr1_eigen_dit_correction_mean vs Slug



Right In: -376.405+/-197.182 χ^2/NDF: 53.8/31

Left Out: -678.227+/-185.004 χ^2/NDF:56.2/24

Right Out: -766.106+/-189.505 χ^2/NDF: 79.5/35

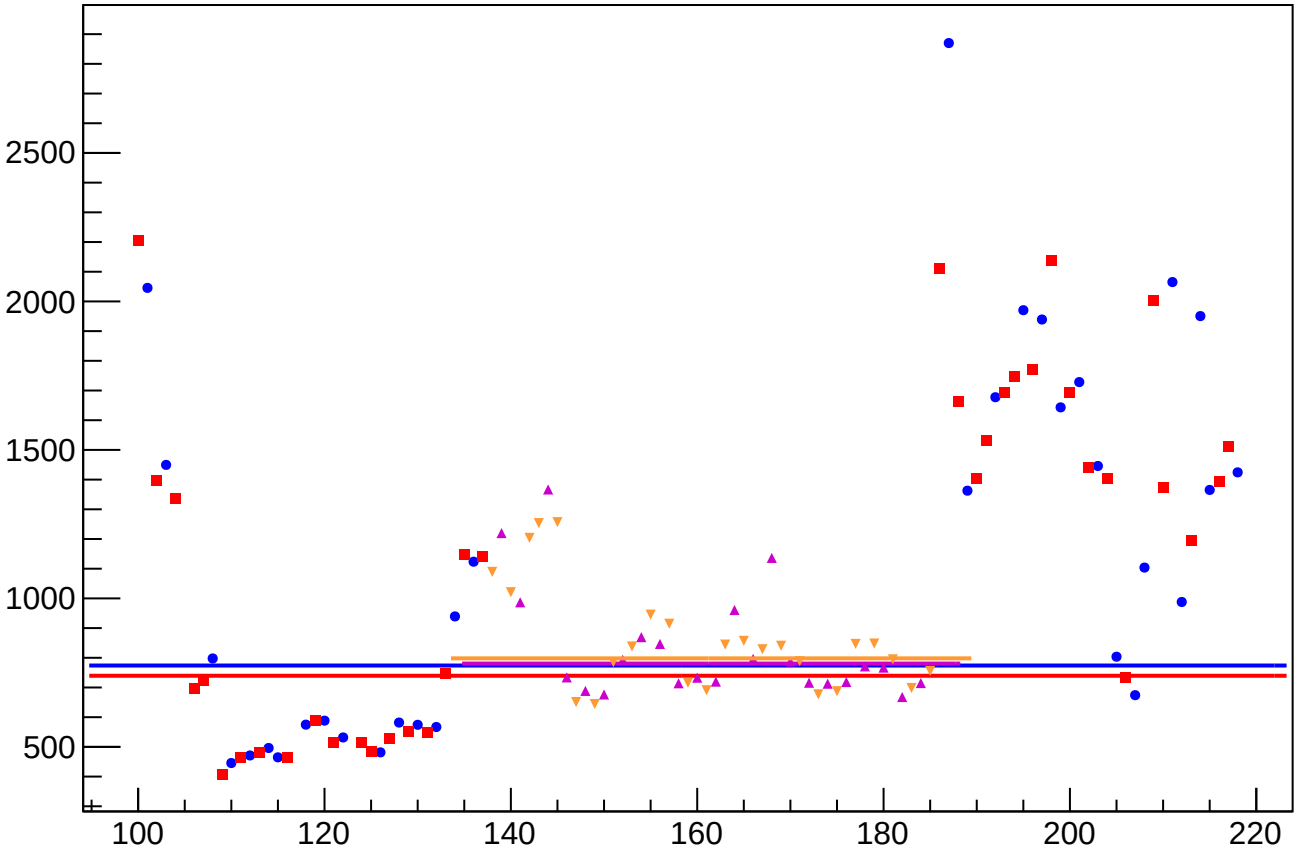
Left In: -67.157+/-185.436 χ^2/NDF:15.8/22

+ sign -536.923+/-134.918 χ^2/NDF: 111.2/56

All: -471.847+/-94.549 χ^2/NDF: 213.9/115

- sign -409.046+/-132.538 χ^2/NDF: 102.2/58

asym_atr1_eigen_dit_correction_rms vs Slug



Right In: 773.958+/-0.139 χ^2/NDF: 8780609.4/31

Left Out: 798.092+/-0.131 χ^2/NDF:1168353.9/24

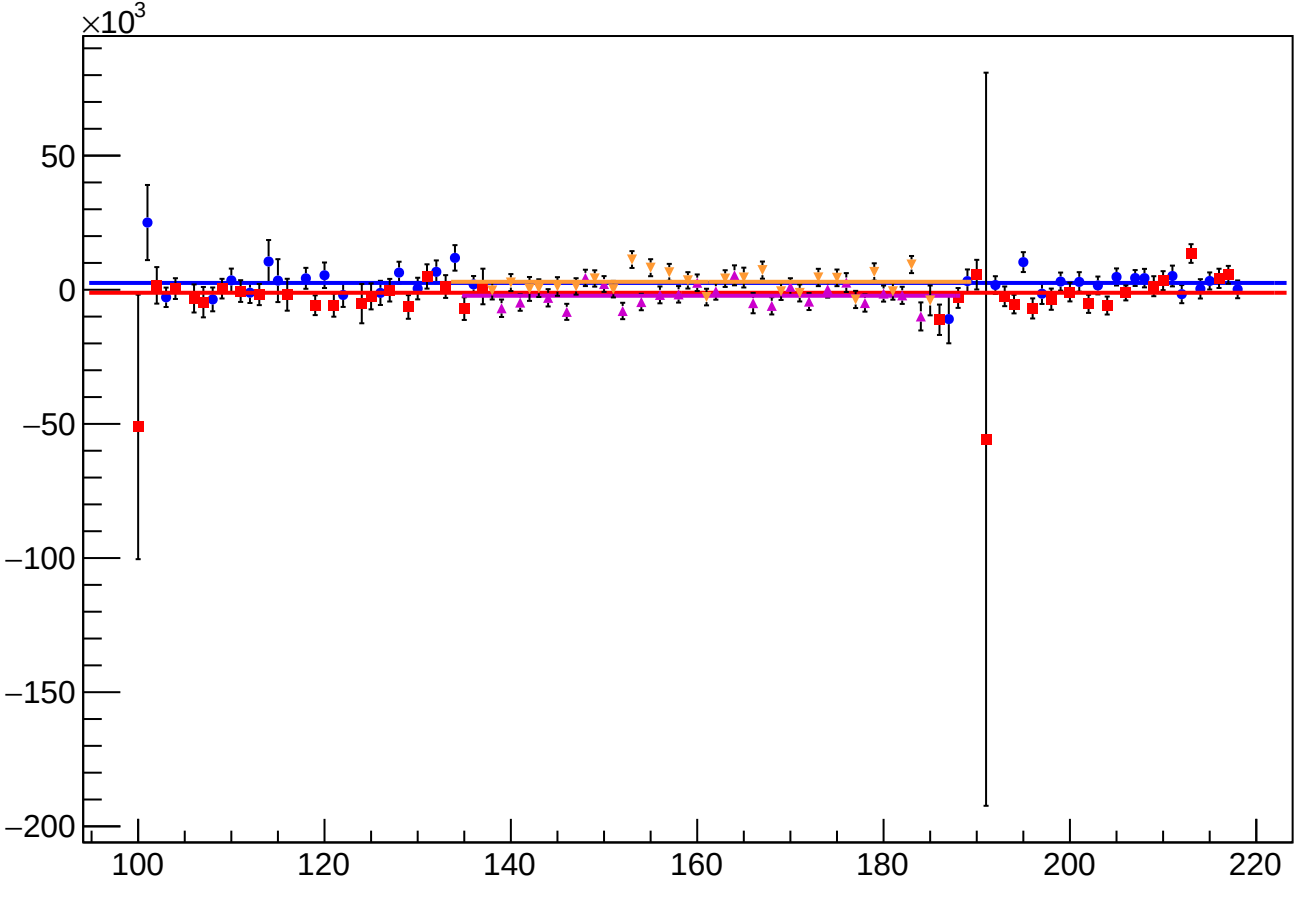
Right Out: 739.513+/-0.134 χ^2/NDF: 9897601.5/35

Left In: 780.525+/-0.131 χ^2/NDF:1064830.7/22

+ sign 786.793+/-0.095 χ^2/NDF: 9964896.8/56

All: 773.394+/-0.067 χ^2/NDF: 21013942.5/11

- sign 760.464+/-0.094 χ^2/NDF: 11010285.6/58



Right In: 2544.797+/-691.917 χ^2/NDF: 28.8/31

Left Out: 2969.337+/-653.286 χ^2/NDF:35.7/24

Right Out: -1122.011+/-692.289 χ^2/NDF: 50.0/35

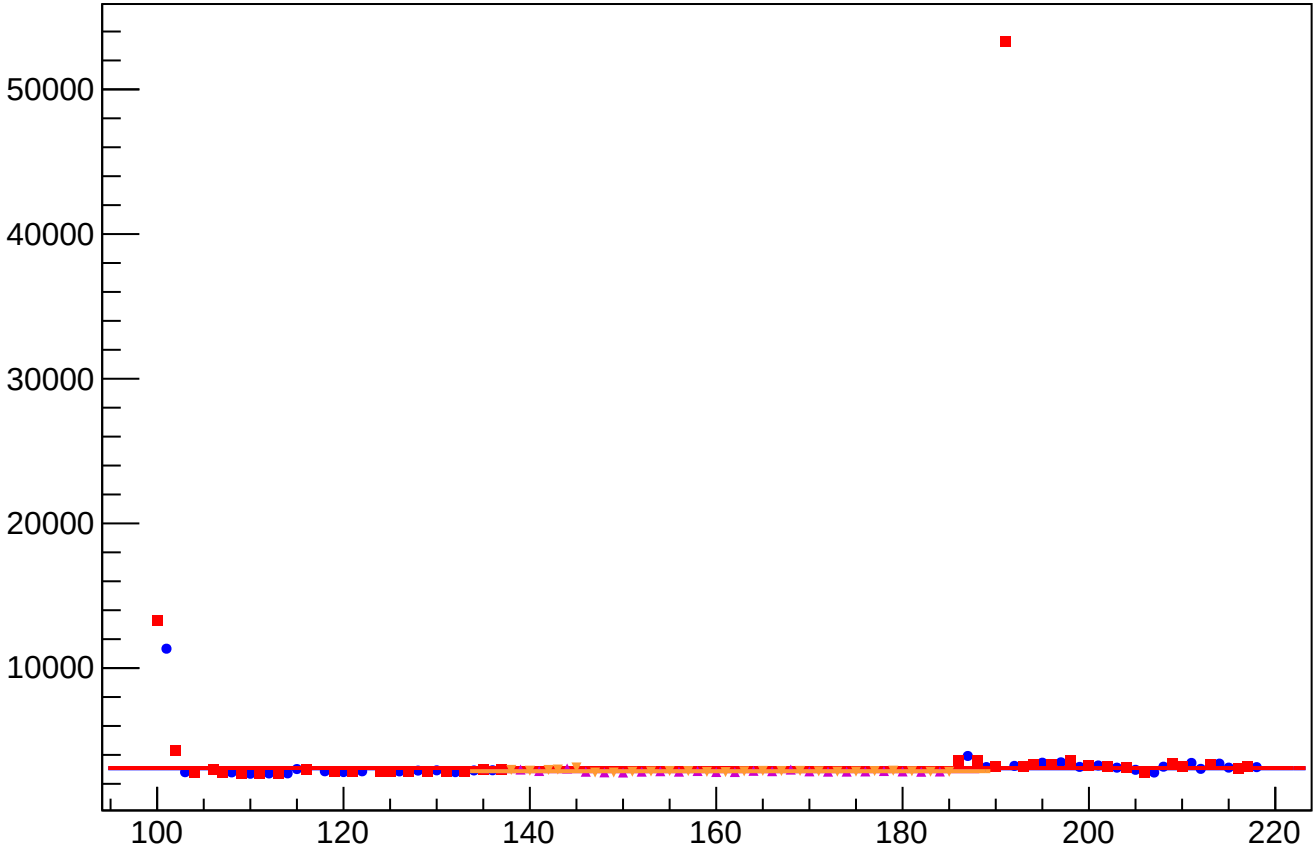
Left In: -2237.495+/-670.327 χ^2/NDF:33.8/22

+ sign 2769.249+/-475.013 χ^2/NDF: 64.8/56

All: 566.379+/-338.179 χ^2/NDF: 193.6/115

- sign -1697.727+/-481.570 χ^2/NDF: 85.2/58

asym_atr1_rms vs Slug



Right In: 3071.781+/-0.489 χ^2/NDF: 928281.2/31

Left Out: 2874.933+/-0.462 χ^2/NDF:21788.8/24

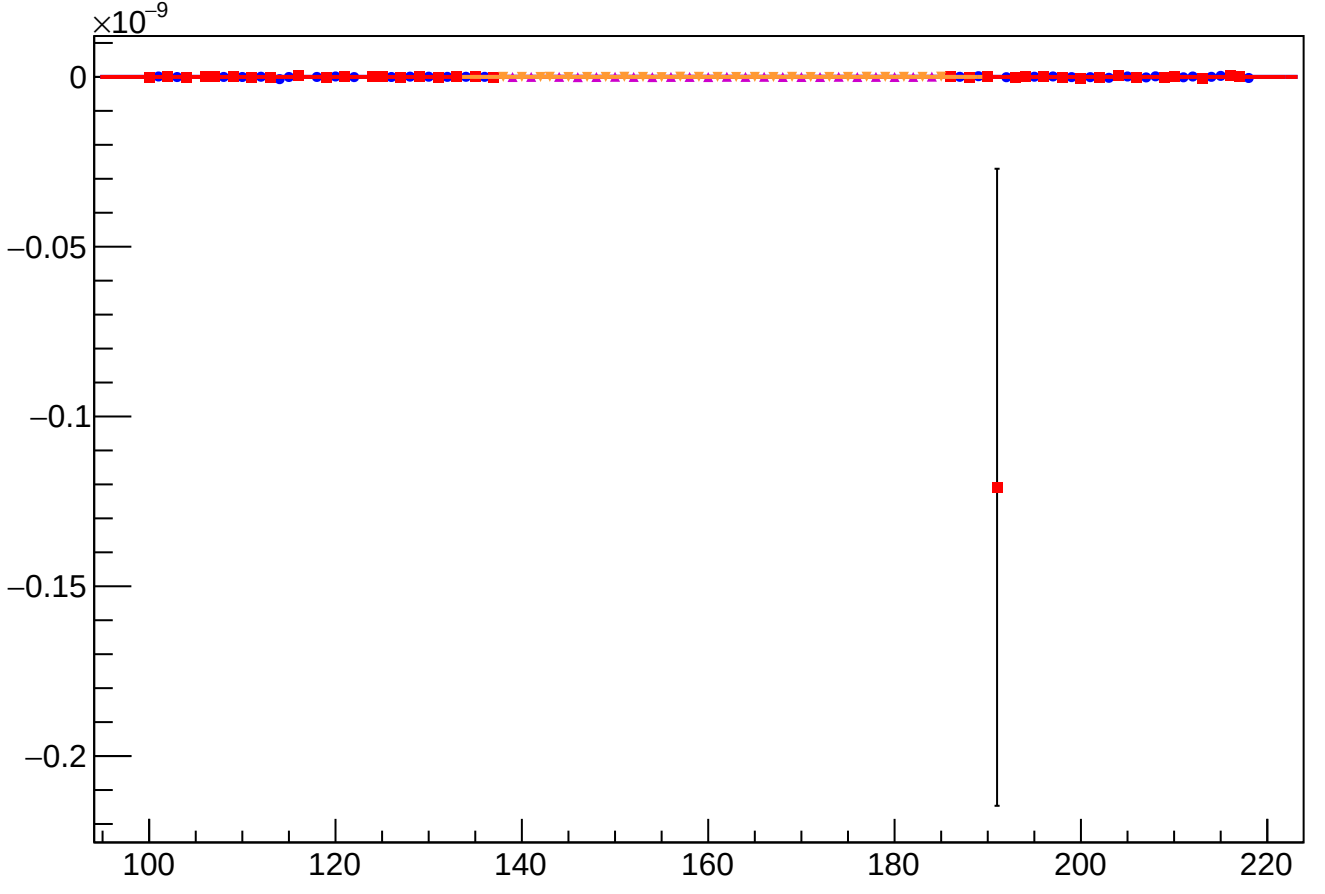
Right Out: 3093.593+/-0.490 χ^2/NDF: 762990.3/35

Left In: 2870.153+/-0.474 χ^2/NDF:17687.5/22

+ sign 2967.709+/-0.336 χ^2/NDF: 1035653.2/56

All: 2972.918+/-0.239 χ^2/NDF: 1924347.3/11

- sign 2978.273+/-0.341 χ^2/NDF: 888206.3/58



Right In: 0.000+/-0.000 χ^2/NDF: 28.2/31

Left Out: 0.000+/-0.000 χ^2/NDF:14.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 45.7/35

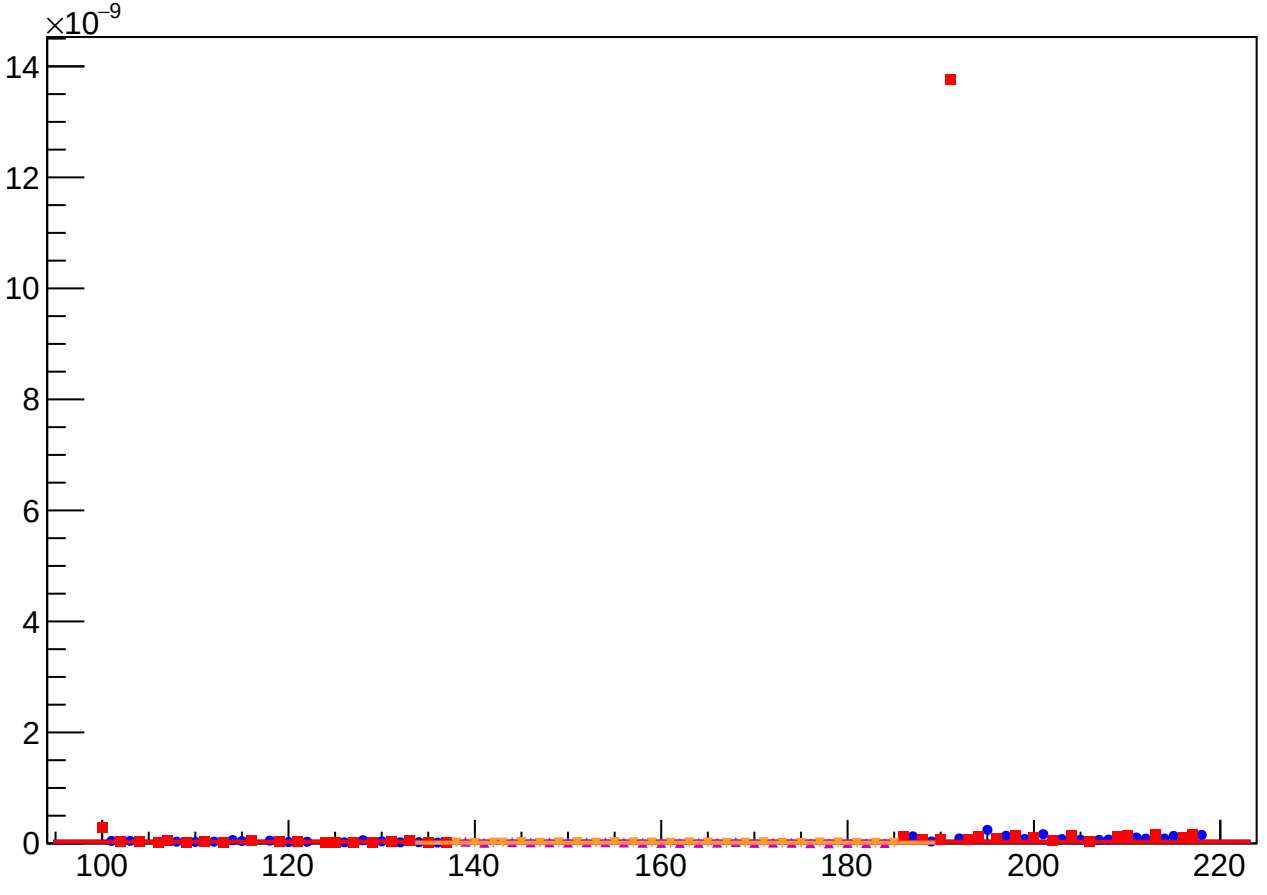
Left In: 0.000+/-0.000 χ^2/NDF:27.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 43.9/56

All: 0.000+/-0.000 χ^2/NDF: 118.9/115

- sign 0.000+/-0.000 χ^2/NDF: 75.0/58

asym_atr1_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 5795118.6/31

Left Out: 0.000+/-0.000 χ^2/NDF:1210269.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5958997.2/35

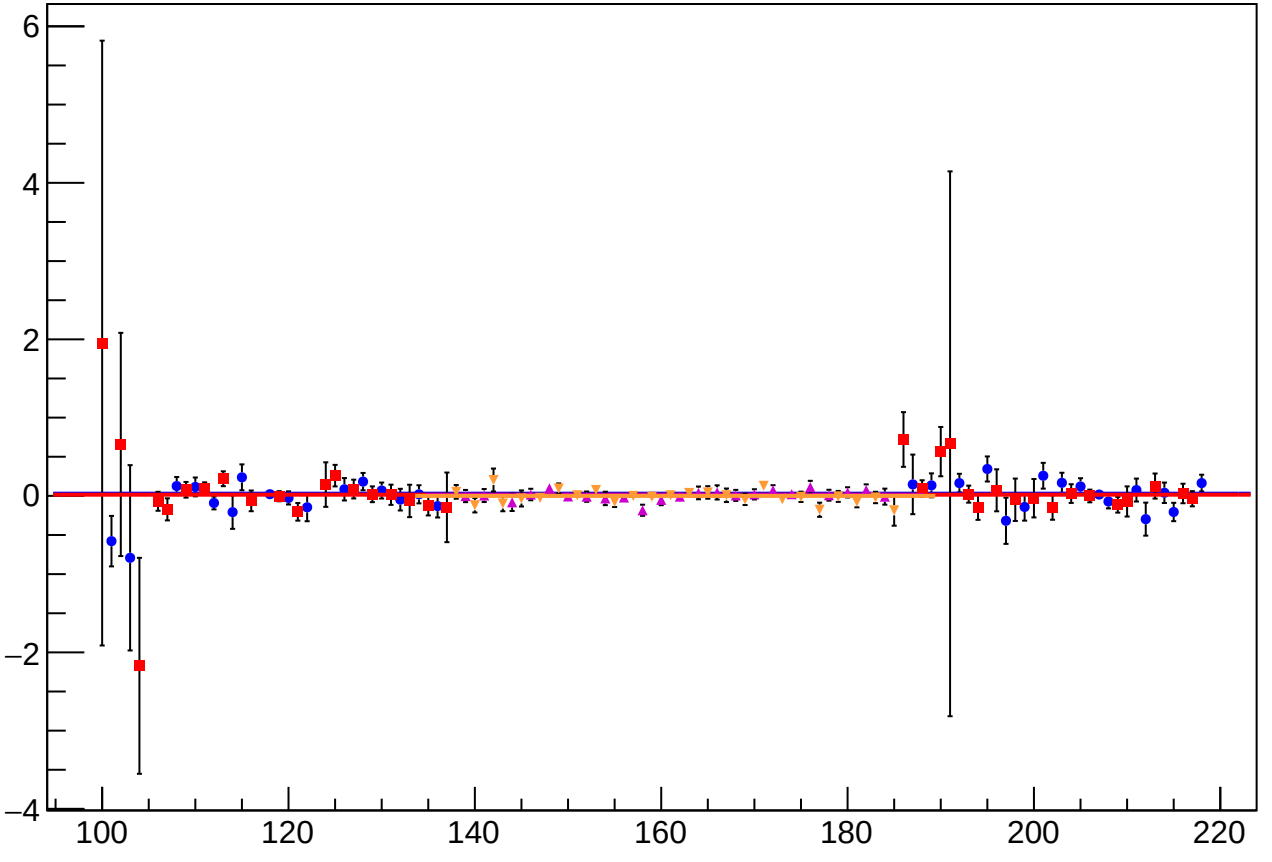
Left In: 0.000+/-0.000 χ^2/NDF:3166775.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 10316952.3/56

All: 0.000+/-0.000 χ^2/NDF: 23023360.8/115

- sign 0.000+/-0.000 χ^2/NDF: 12376681.0/58

asym_atr1_dit_vs_cor_diff_mean vs Slug



Right In: 0.028+/-0.020 χ^2/NDF: 36.6/31

Left Out: -0.000+/-0.014 χ^2/NDF:22.6/24

Right Out: 0.015+/-0.022 χ^2/NDF: 33.5/35

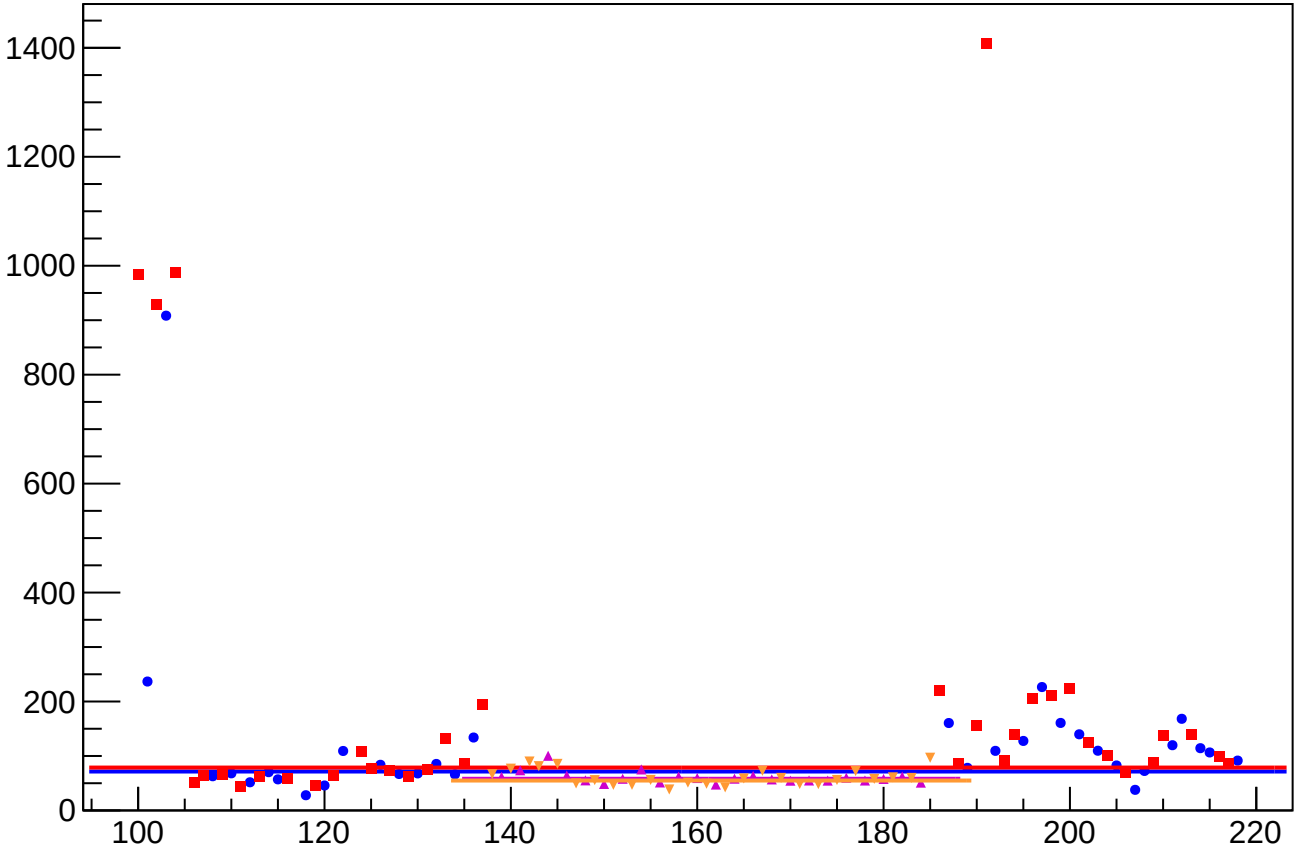
Left In: 0.008+/-0.015 χ^2/NDF:15.5/22

+ sign 0.009+/-0.012 χ^2/NDF: 60.5/56

All: 0.010+/-0.008 χ^2/NDF: 109.6/115

- sign 0.010+/-0.012 χ^2/NDF: 49.1/58

asym_atr1_dit_vs_cor_diff_rms vs Slug



Right In: 71.486+/-0.014 χ^2/NDF: 7706653.1/31

Left Out: 54.931+/-0.010 χ^2/NDF:1297647.2/24

Right Out: 78.746+/-0.015 χ^2/NDF: 6835125.4/35

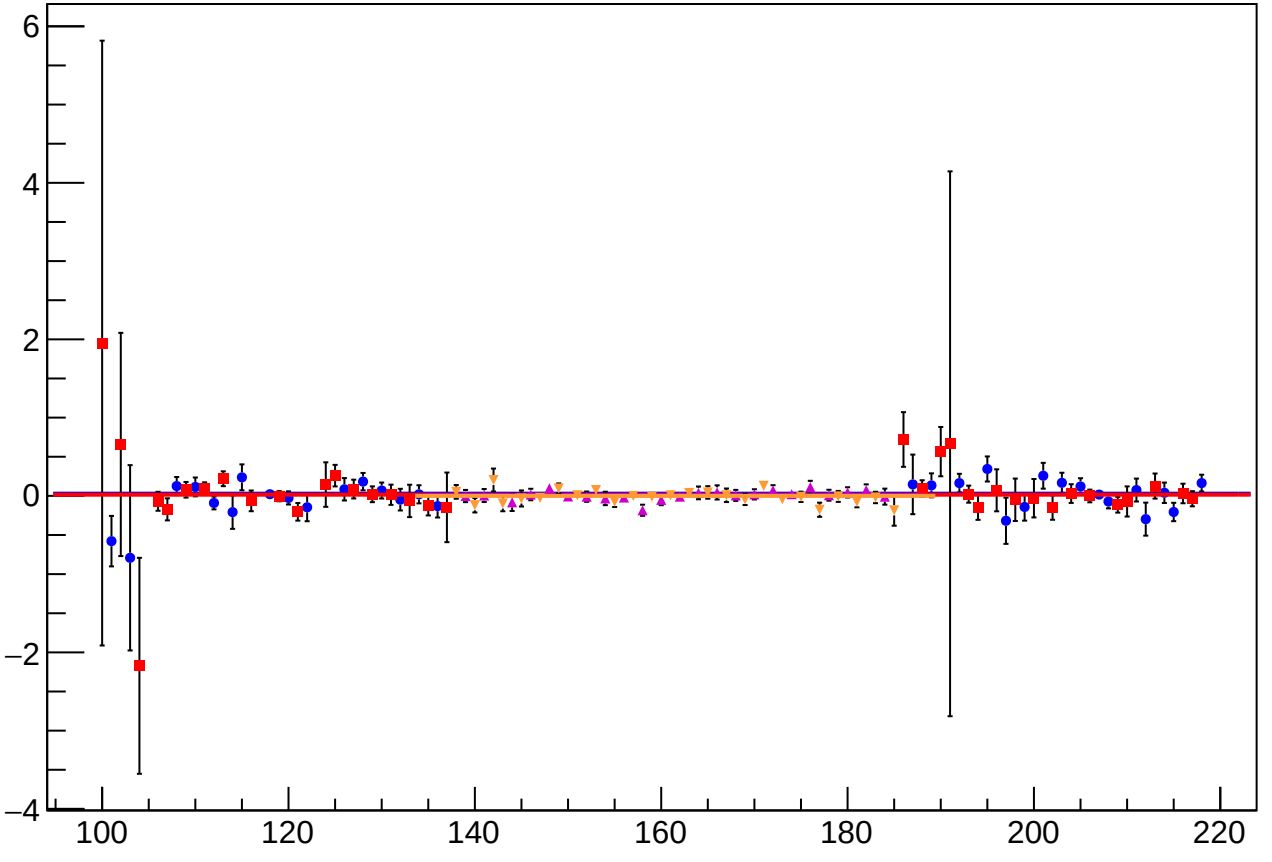
Left In: 58.138+/-0.010 χ^2/NDF:657436.9/22

+ sign 60.300+/-0.008 χ^2/NDF: 9899175.5/56

All: 62.404+/-0.006 χ^2/NDF: 18768962.2/115

- sign 64.748+/-0.009 χ^2/NDF: 8730319.1/58

asym_atr1_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.028+/-0.020 χ^2/NDF: 36.6/31

Left Out: -0.000+/-0.014 χ^2/NDF:22.6/24

Right Out: 0.015+/-0.022 χ^2/NDF: 33.5/35

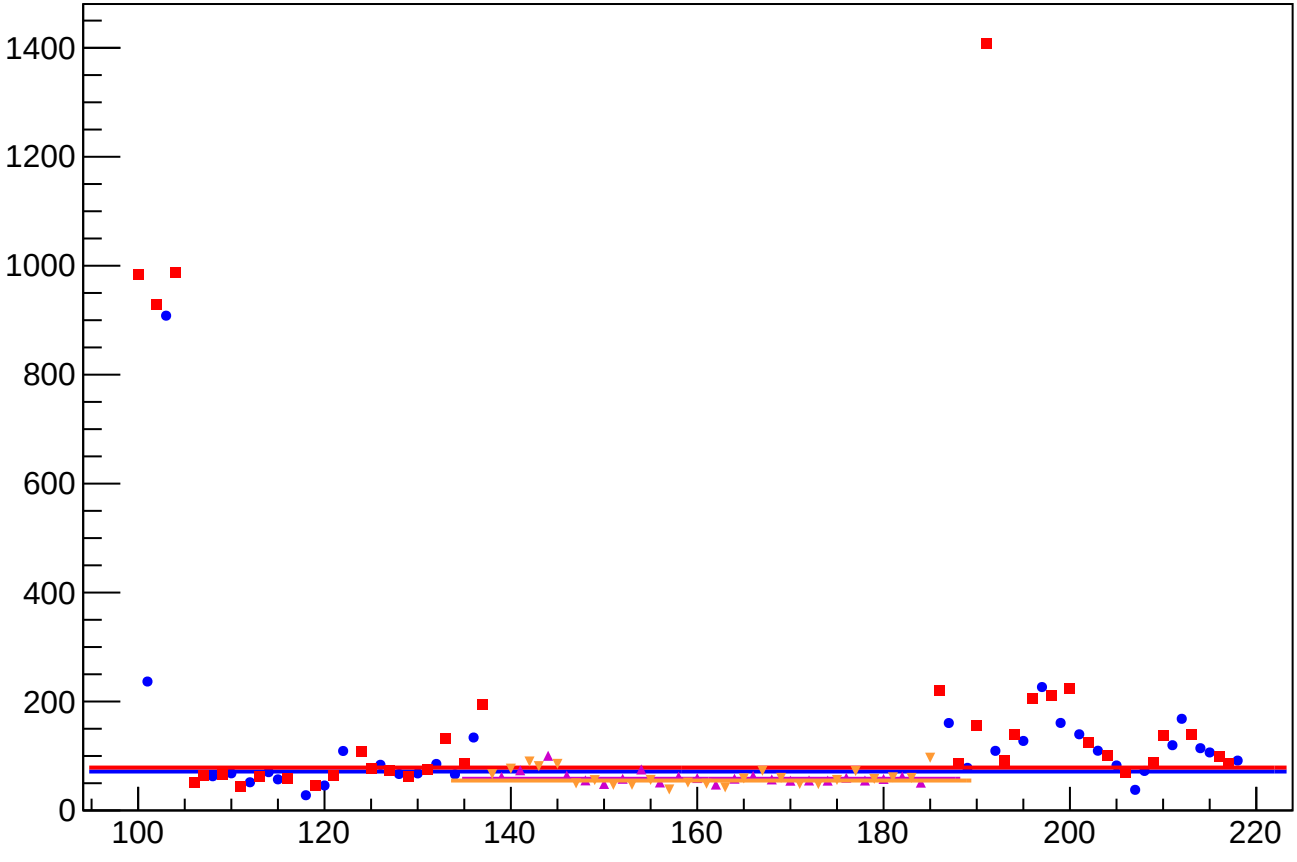
Left In: 0.008+/-0.015 χ^2/NDF:15.5/22

+ sign 0.009+/-0.012 χ^2/NDF: 60.5/56

All: 0.010+/-0.008 χ^2/NDF: 109.6/115

- sign 0.010+/-0.012 χ^2/NDF: 49.1/58

asym_atr1_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 71.486+/-0.014 χ^2/NDF: 7706653.1/31

Left Out: 54.931+/-0.010 χ^2/NDF:1297647.2/24

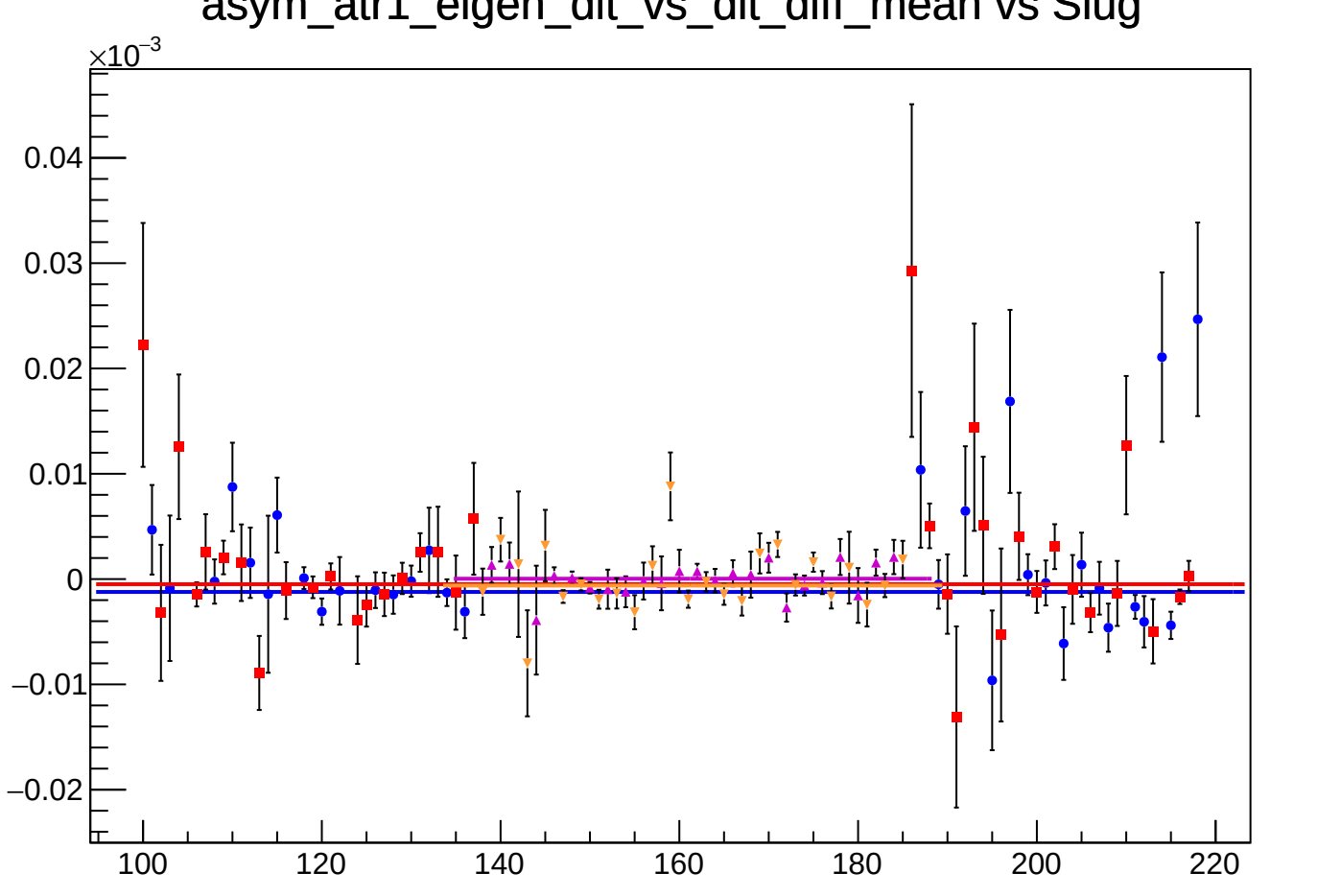
Right Out: 78.746+/-0.015 χ^2/NDF: 6835125.4/35

Left In: 58.138+/-0.010 χ^2/NDF:657436.9/22

+ sign 60.300+/-0.008 χ^2/NDF: 9899175.5/56

All: 62.404+/-0.006 χ^2/NDF: 18768962.2/115

- sign 64.748+/-0.009 χ^2/NDF: 8730319.1/58



Right In: -0.000+/-0.000 χ^2/NDF: 59.0/31

Left Out: -0.000+/-0.000 χ^2/NDF:52.8/24

Right Out: -0.000+/-0.000 χ^2/NDF: 56.6/35

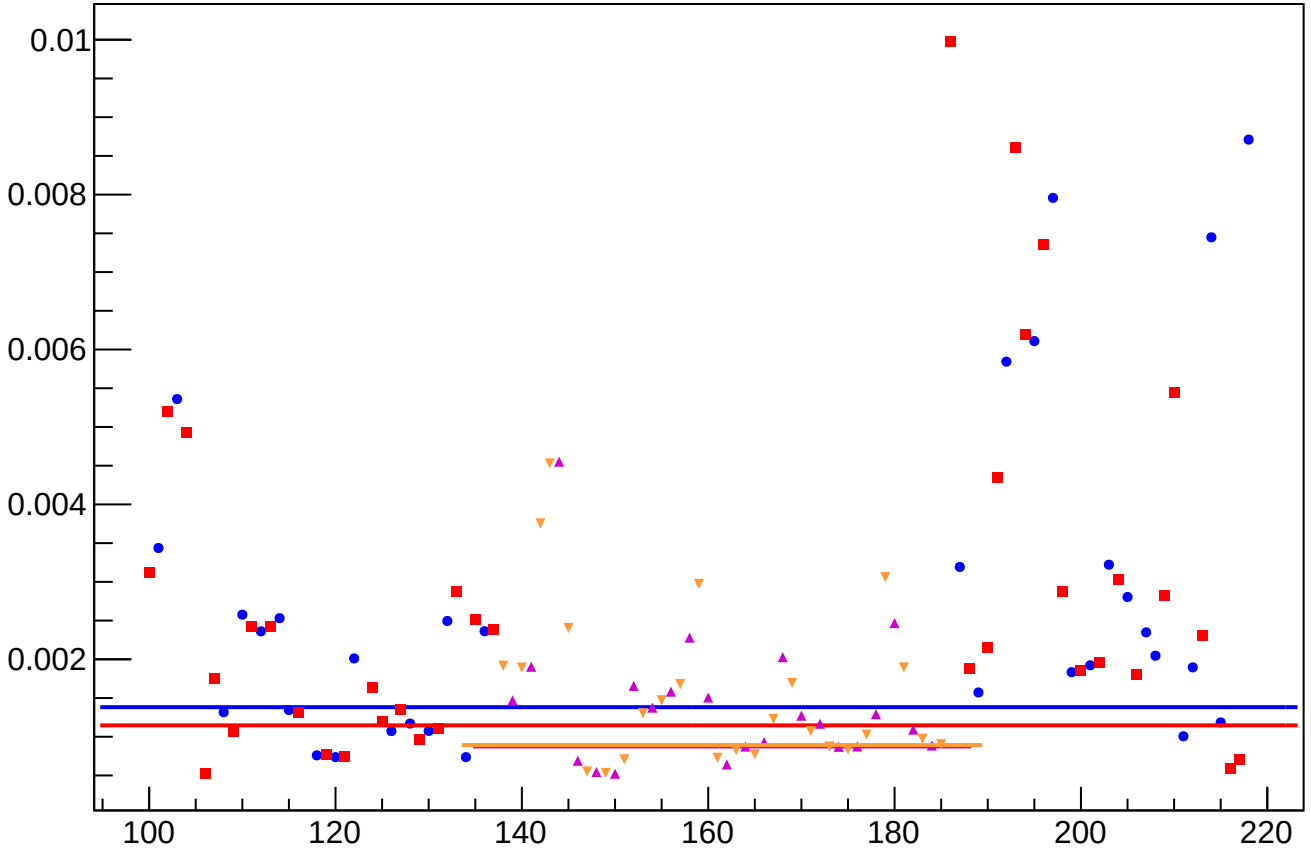
Left In: 0.000+/-0.000 χ^2/NDF:18.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 113.6/56

All: -0.000+/-0.000 χ^2/NDF: 195.5/115

- sign -0.000+/-0.000 χ^2/NDF: 76.4/58

asym_atr1_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 11815379.6/31

Left Out: 0.001+/-0.000 χ^2/NDF:7739119.9/24

Right Out: 0.001+/-0.000 χ^2/NDF: 13774676.6/35

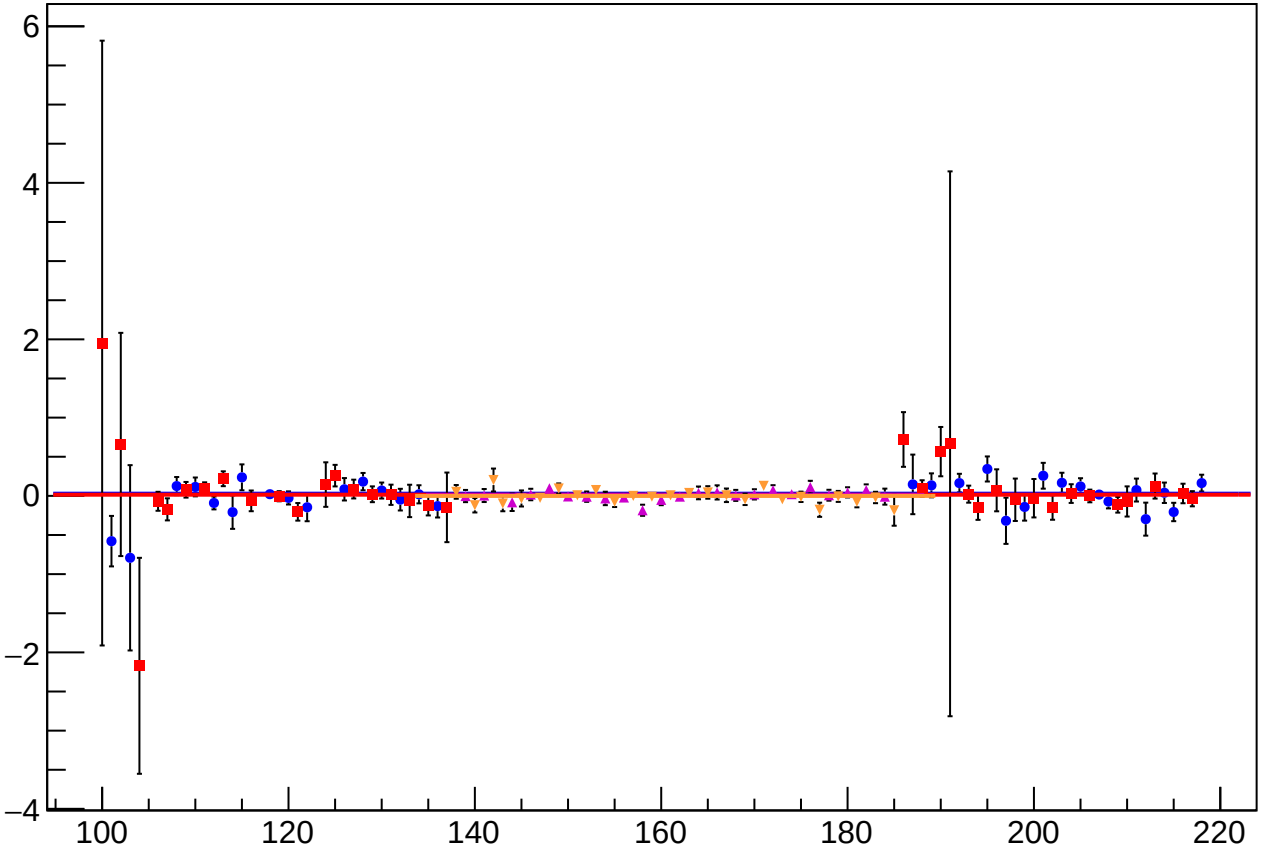
Left In: 0.001+/-0.000 χ^2/NDF:6963716.3/22

+ sign 0.001+/-0.000 χ^2/NDF: 21986437.5/56

All: 0.001+/-0.000 χ^2/NDF: 43704071.3/115

- sign 0.001+/-0.000 χ^2/NDF: 21611025.8/58

asym_atr1_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.028+/-0.020 χ^2/NDF: 36.6/31

Left Out: -0.000+/-0.014 χ^2/NDF:22.6/24

Right Out: 0.015+/-0.022 χ^2/NDF: 33.5/35

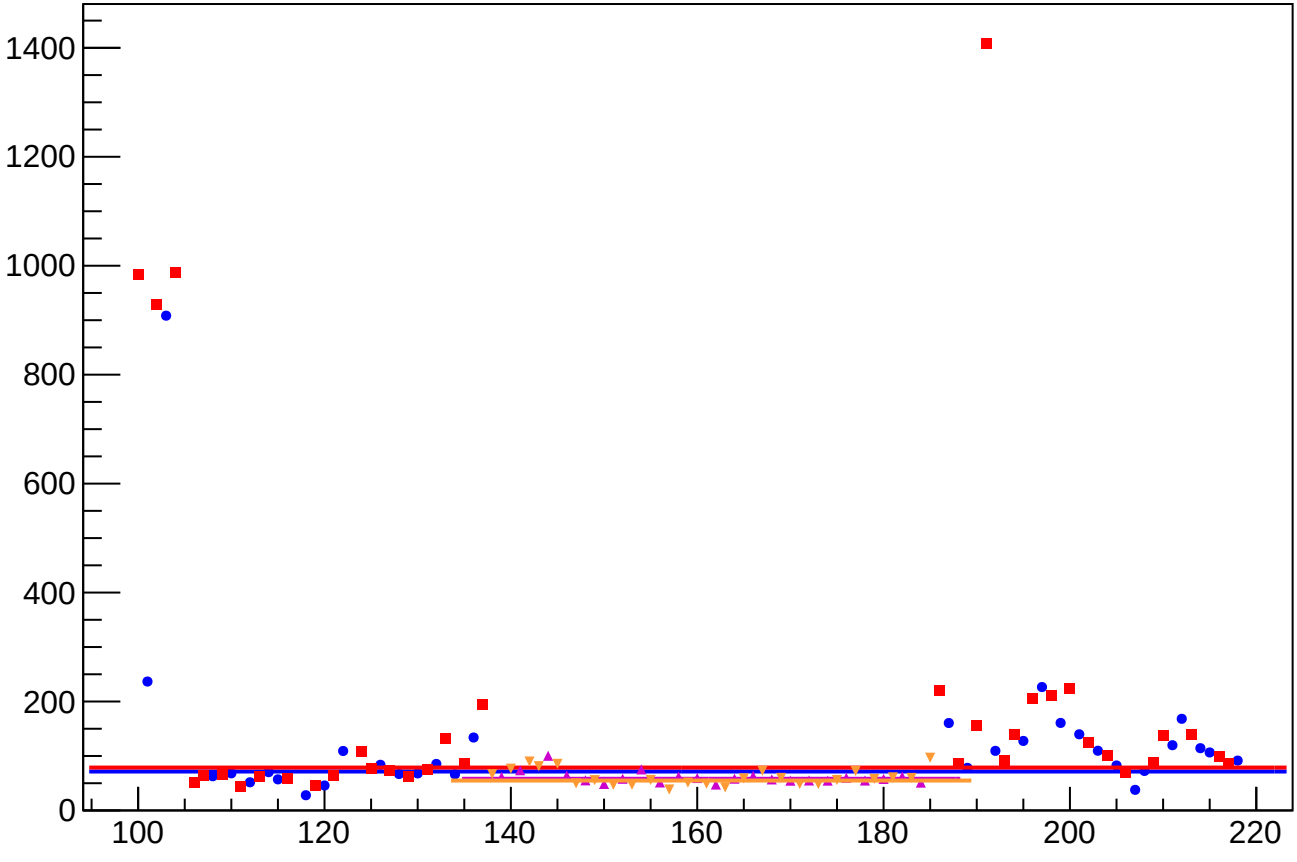
Left In: 0.008+/-0.015 χ^2/NDF:15.5/22

+ sign 0.009+/-0.012 χ^2/NDF: 60.5/56

All: 0.010+/-0.008 χ^2/NDF: 109.6/115

- sign 0.010+/-0.012 χ^2/NDF: 49.1/58

asym_atr1_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 71.485+/-0.014 χ^2/NDF: 7706954.5/31

Left Out: 54.930+/-0.010 χ^2/NDF:1297722.9/24

Right Out: 78.745+/-0.015 χ^2/NDF: 6835156.0/35

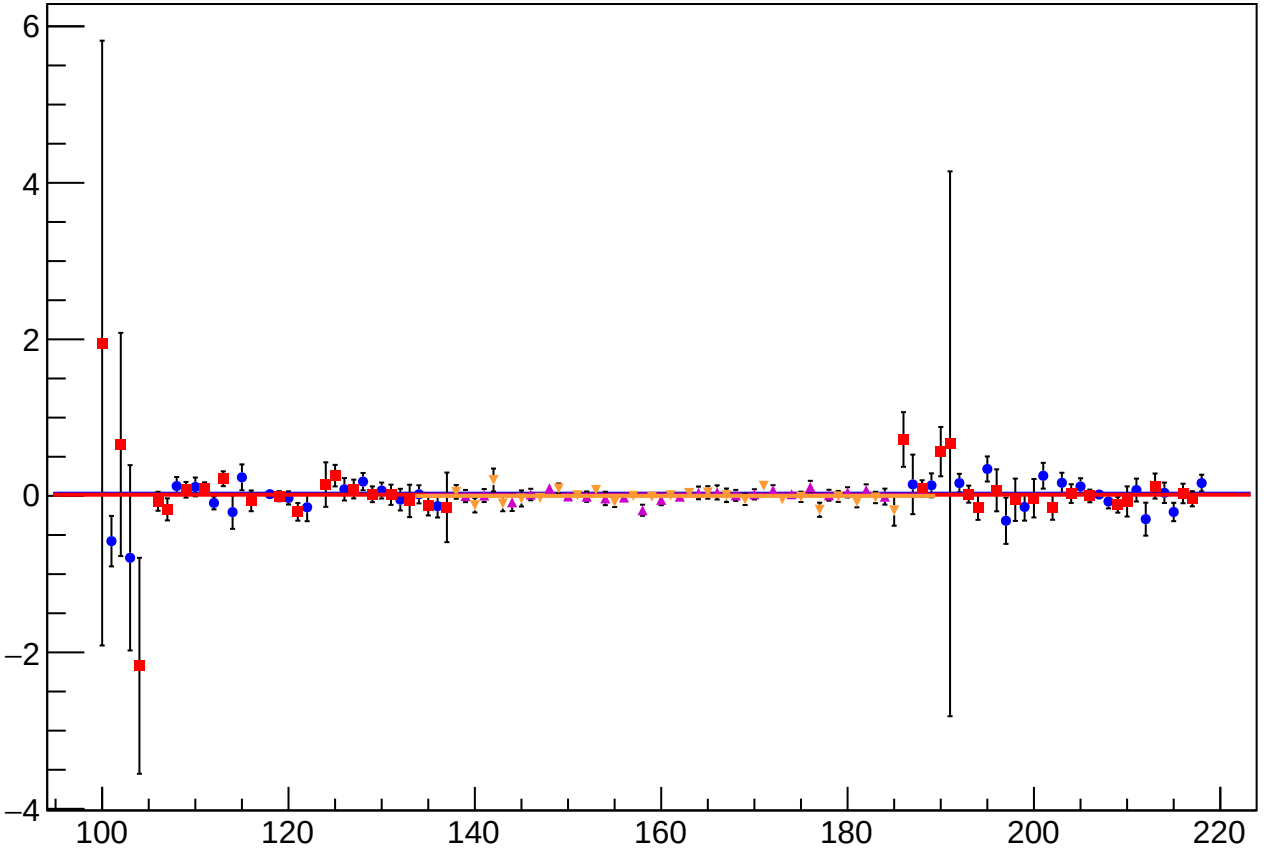
Left In: 58.138+/-0.010 χ^2/NDF:657460.3/22

+ sign 60.299+/-0.008 χ^2/NDF: 9899486.7/56

All: 62.404+/-0.006 χ^2/NDF: 18769340.1/115

- sign 64.748+/-0.009 χ^2/NDF: 8730346.7/58

asym_atr1_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.028+/-0.020 χ^2/NDF: 36.6/31

Left Out: -0.000+/-0.014 χ^2/NDF:22.6/24

Right Out: 0.015+/-0.022 χ^2/NDF: 33.5/35

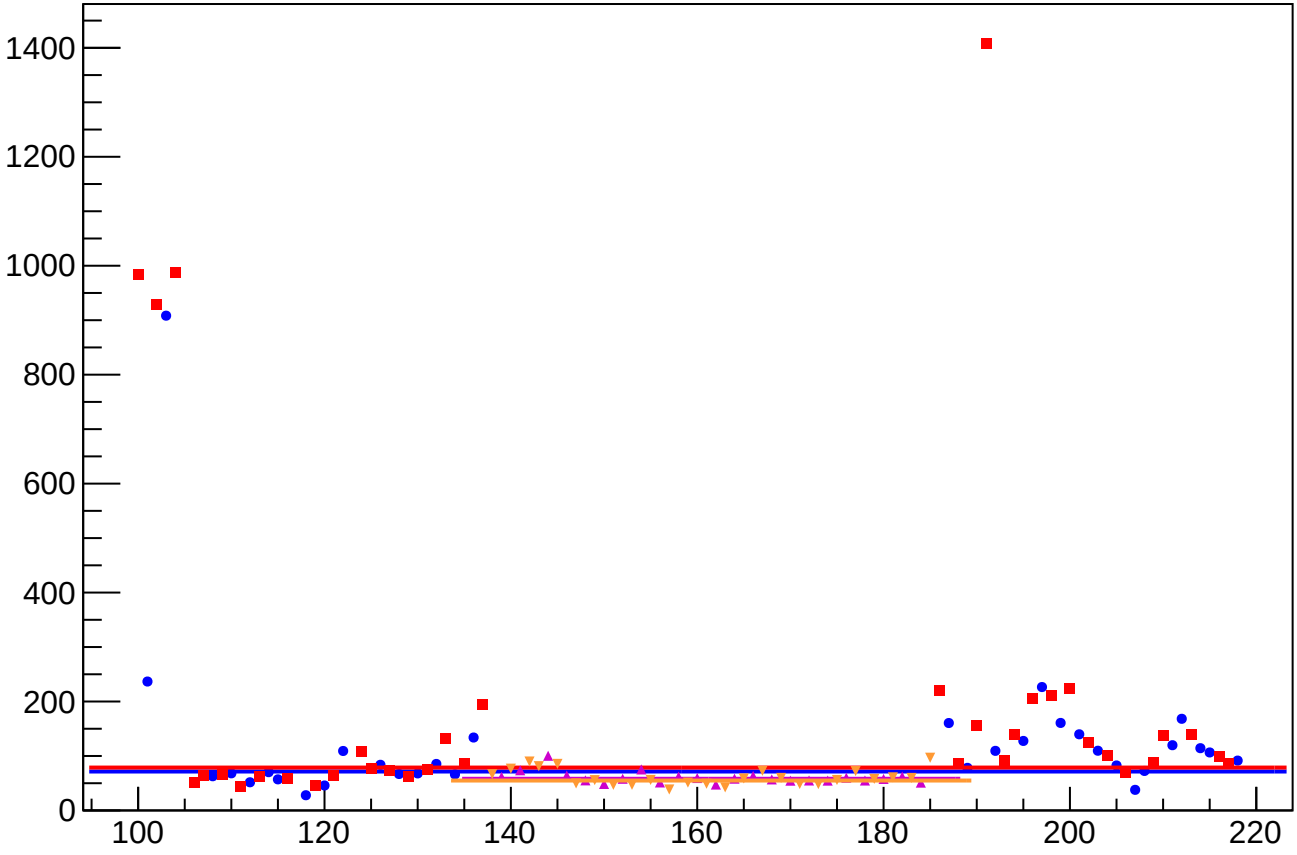
Left In: 0.008+/-0.015 χ^2/NDF:15.5/22

+ sign 0.009+/-0.012 χ^2/NDF: 60.5/56

All: 0.010+/-0.008 χ^2/NDF: 109.6/115

- sign 0.010+/-0.012 χ^2/NDF: 49.1/58

asym_atr1_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 71.485+/-0.014 χ^2/NDF: 7706954.5/31

Left Out: 54.930+/-0.010 χ^2/NDF:1297722.9/24

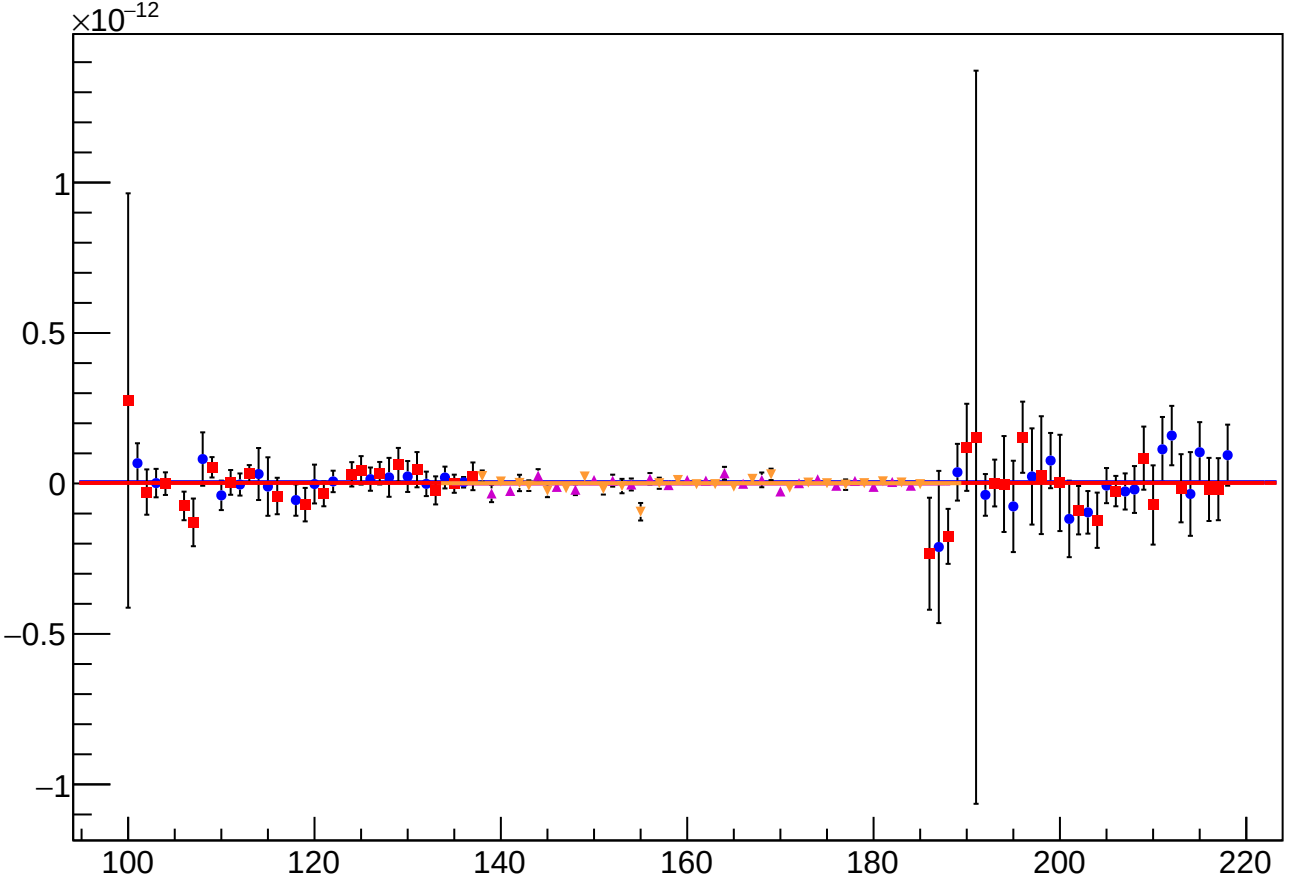
Right Out: 78.745+/-0.015 χ^2/NDF: 6835156.0/35

Left In: 58.138+/-0.010 χ^2/NDF:657460.3/22

+ sign 60.299+/-0.008 χ^2/NDF: 9899486.7/56

All: 62.404+/-0.006 χ^2/NDF: 18769340.1/115

- sign 64.748+/-0.009 χ^2/NDF: 8730346.7/58



Right In: 0.000+/-0.000 χ^2/NDF: 15.2/31

Left Out: 0.000+/-0.000 χ^2/NDF:25.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 28.5/35

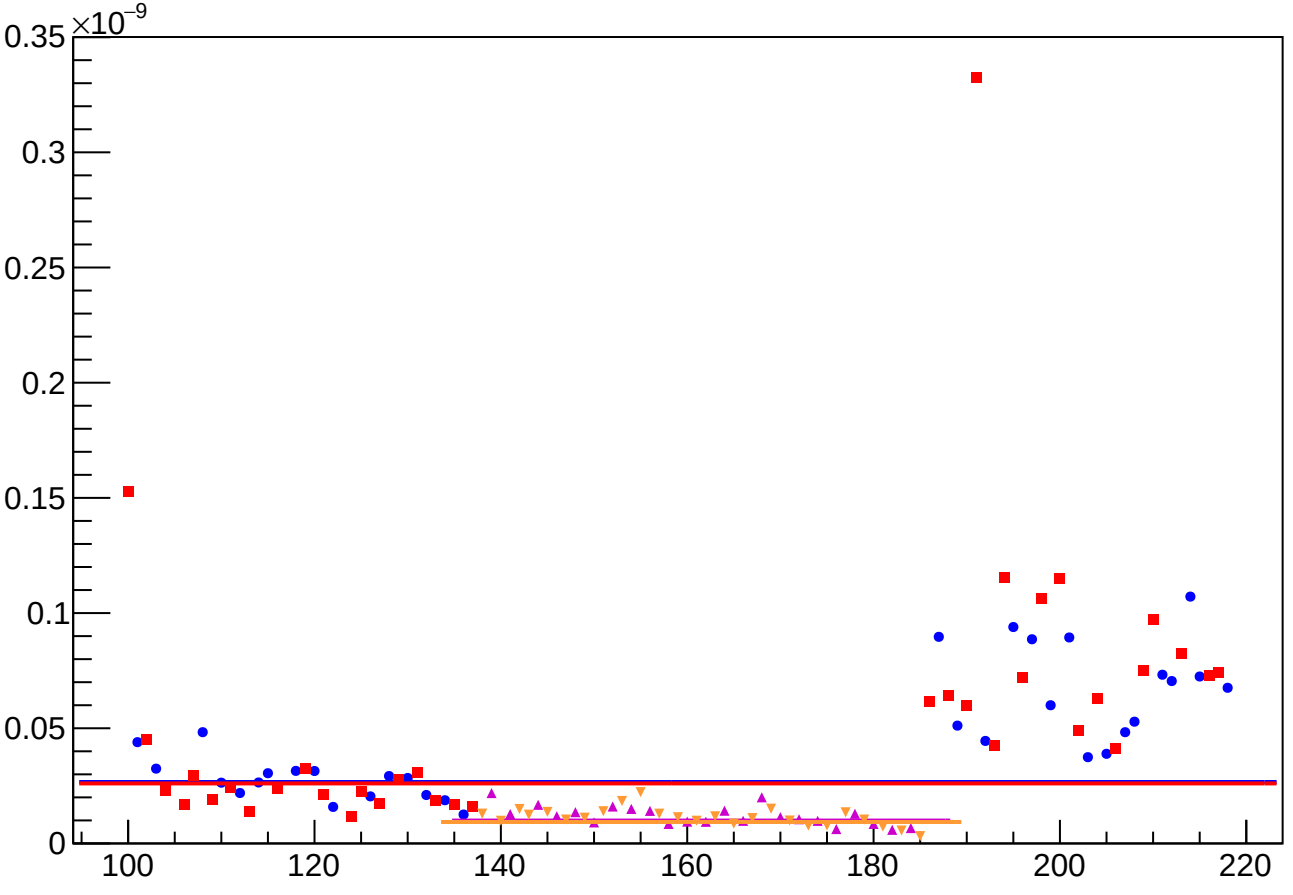
Left In: -0.000+/-0.000 χ^2/NDF:20.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 40.7/56

All: 0.000+/-0.000 χ^2/NDF: 89.6/115

- sign -0.000+/-0.000 χ^2/NDF: 48.8/58

asym_atr1_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 6664223.9/31

Left Out: 0.000+/-0.000 χ^2/NDF:3070809.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7163510.2/35

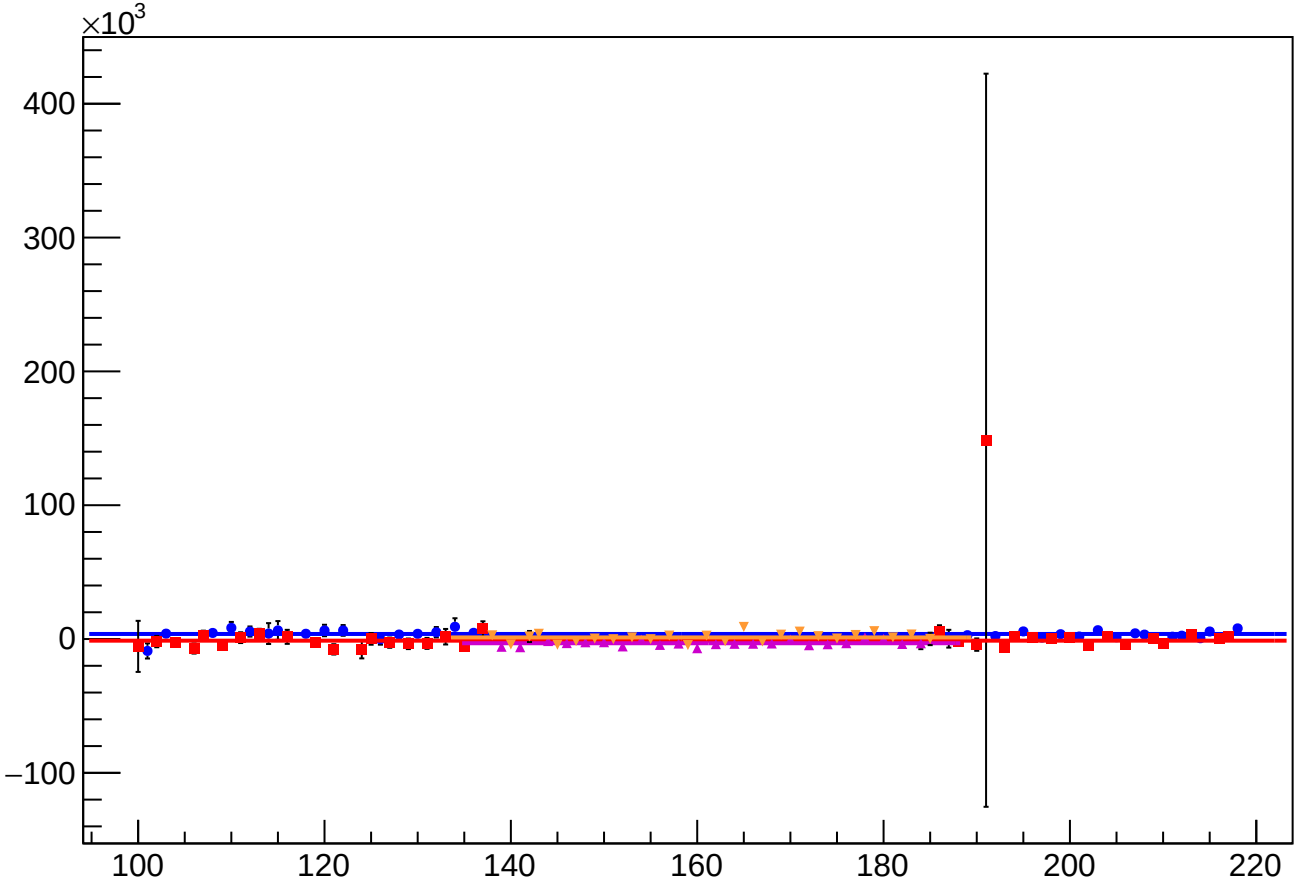
Left In: 0.000+/-0.000 χ^2/NDF:2573277.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 16091342.1/56

All: 0.000+/-0.000 χ^2/NDF: 31271131.8/115

- sign 0.000+/-0.000 χ^2/NDF: 15118966.8/58

reg_asym_atr2_mean vs Slug



Right In: 3780.168+/-598.356 χ^2/NDF: 16.9/31

Left Out: 1188.836+/-556.242 χ^2/NDF:31.1/24

Right Out: -1222.061+/-594.121 χ^2/NDF: 33.1/35

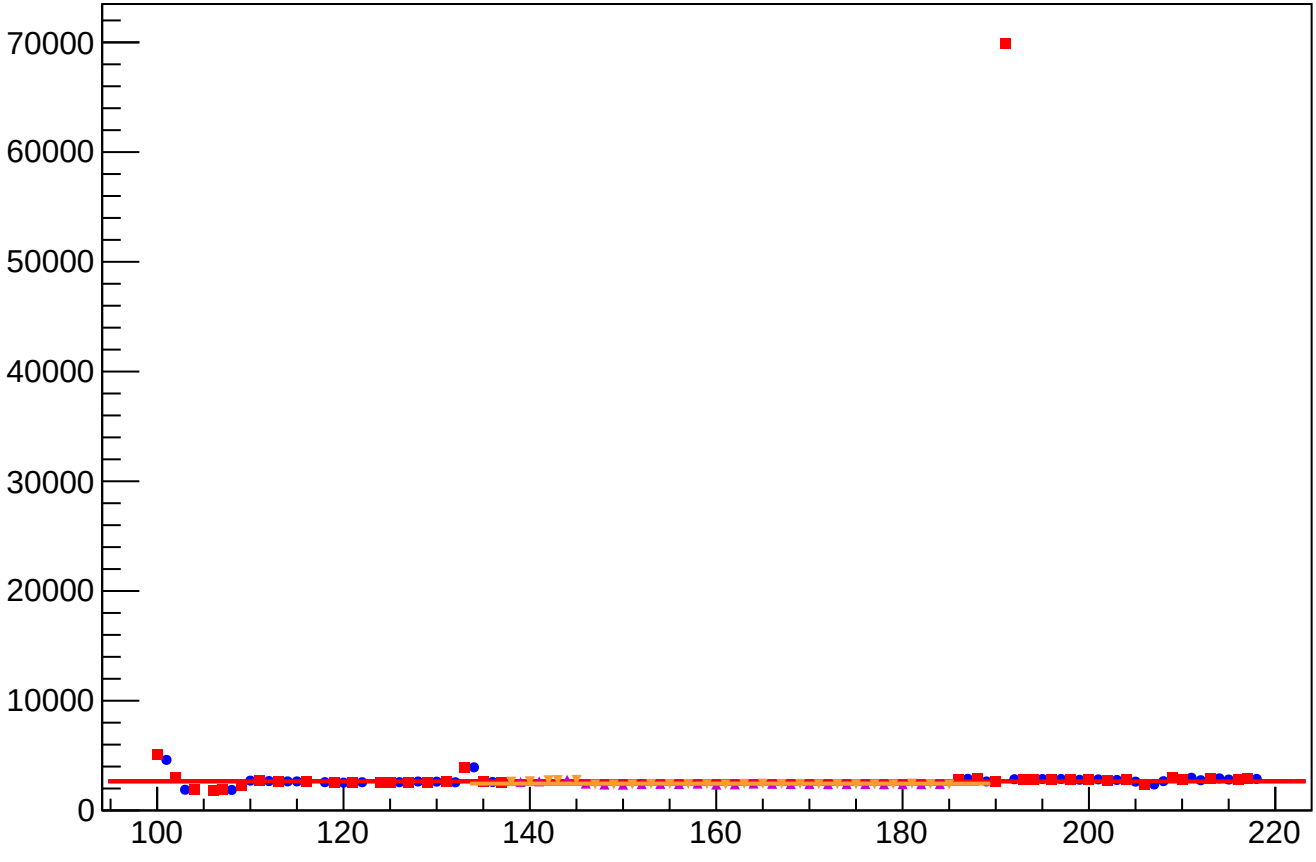
Left In: -3147.419+/-569.221 χ^2/NDF:12.7/22

+ sign 2390.107+/-407.398 χ^2/NDF: 58.1/56

All: 102.522+/-289.346 χ^2/NDF: 172.9/115

- sign -2225.931+/-411.021 χ^2/NDF: 51.2/58

reg_asym_atr2_rms vs Slug



Right In: 2663.088+/-0.423 χ^2/NDF: 781731.4/31

Left Out: 2445.826+/-0.393 χ^2/NDF:90014.8/24

Right Out: 2649.285+/-0.420 χ^2/NDF: 822446.8/35

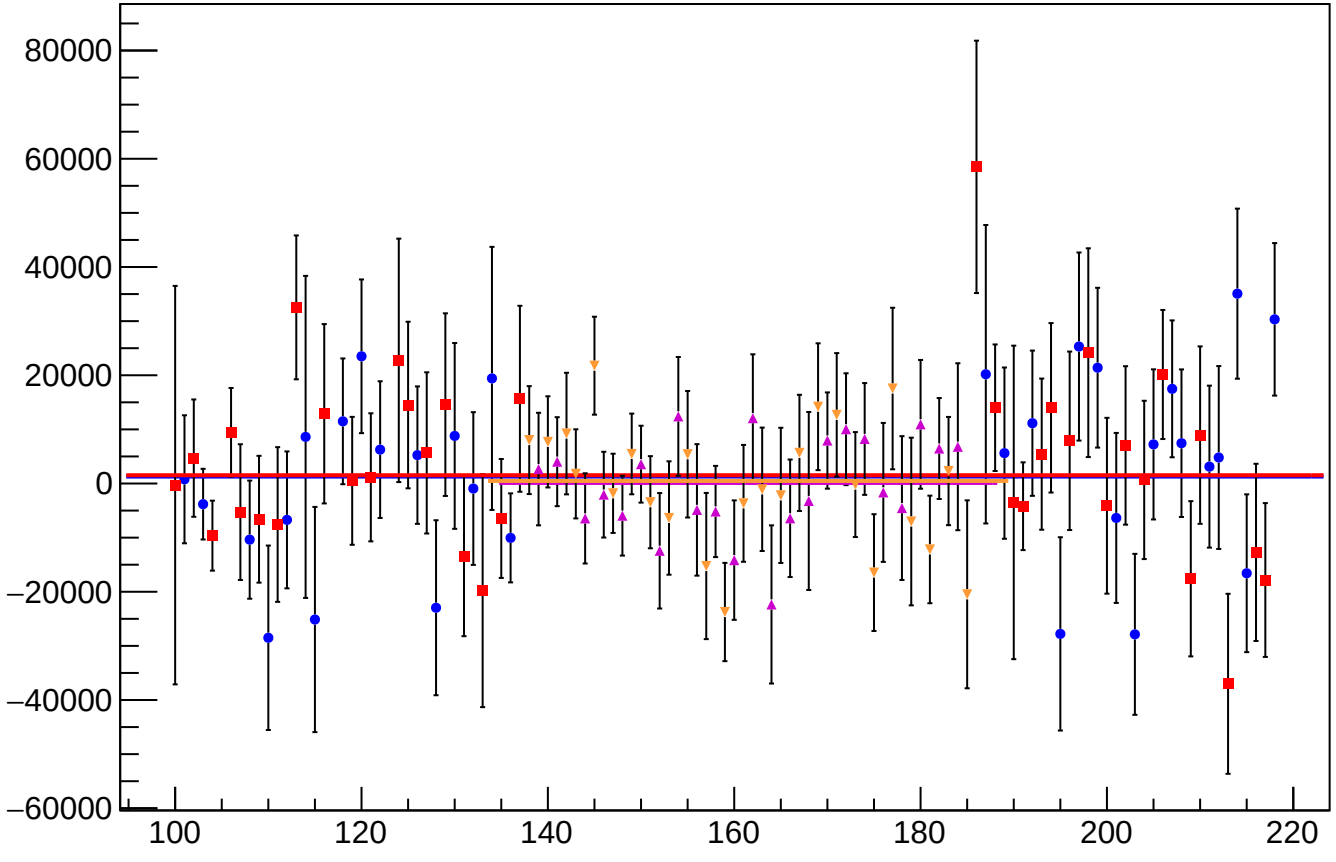
Left In: 2435.950+/-0.403 χ^2/NDF:59189.9/22

+ sign 2546.543+/-0.288 χ^2/NDF: 1013192.5/56

All: 2542.336+/-0.205 χ^2/NDF: 2029711.9/11

- sign 2538.053+/-0.291 χ^2/NDF: 1016089.1/58

asym_atr2_reg_correction_mean vs Slug



Right In: 1282.992+/-2391.828 χ^2/NDF: 39.3/31

Left Out: 477.187+/-2035.969 χ^2/NDF:27.4/24

Right Out: 1531.325+/-2208.244 χ^2/NDF: 39.1/35

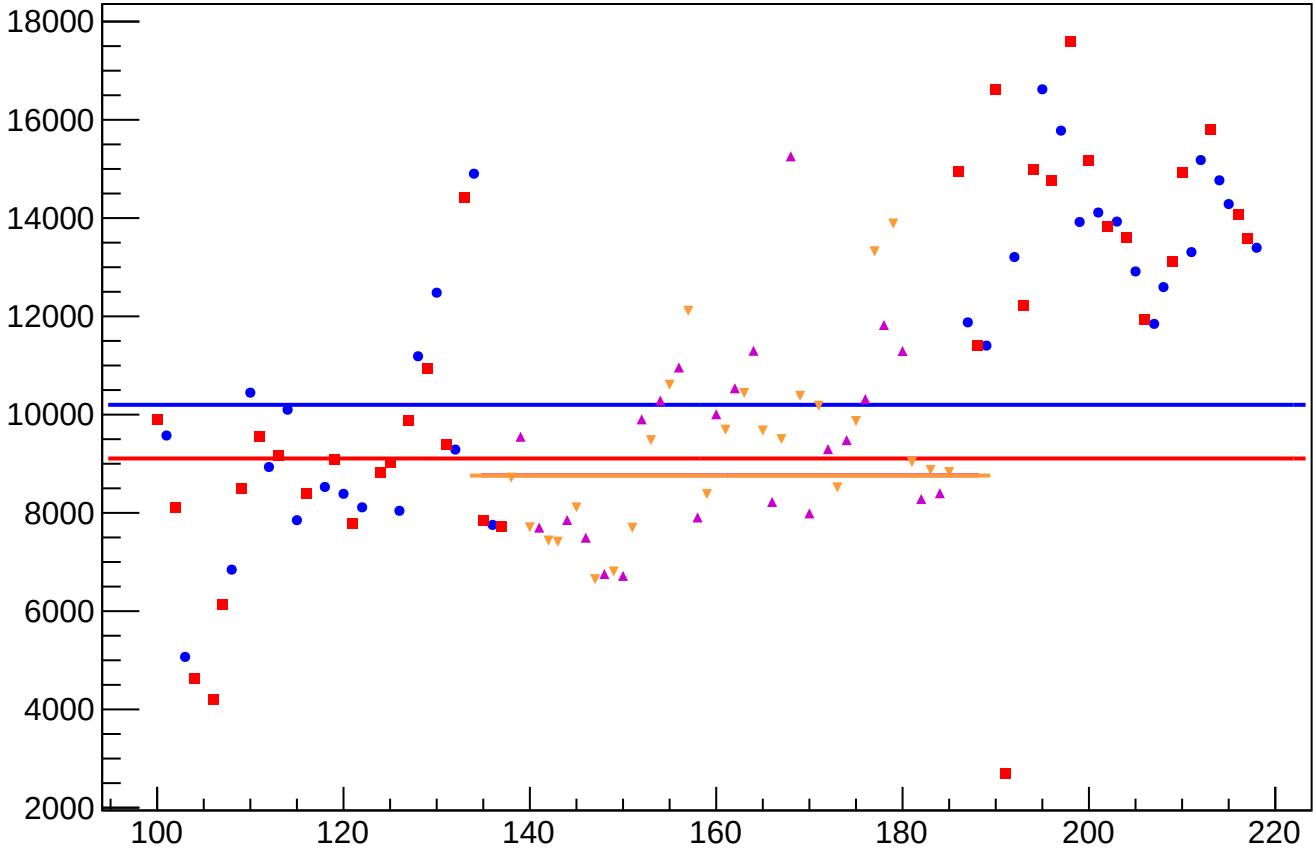
Left In: 104.954+/-2090.899 χ^2/NDF:14.5/22

\+ sign 815.743+/-1550.352 χ^2/NDF: 66.8/56

All: 797.108+/-1084.747 χ^2/NDF: 120.6/115

\- sign 779.236+/-1518.279 χ^2/NDF: 53.9/58

asym_atr2_reg_correction_rms vs Slug



Right In: 10199.400+/-1.691 χ^2/NDF: 3788724.5/31

Left Out: 8759.635+/-1.440 χ^2/NDF:1222238.0/24

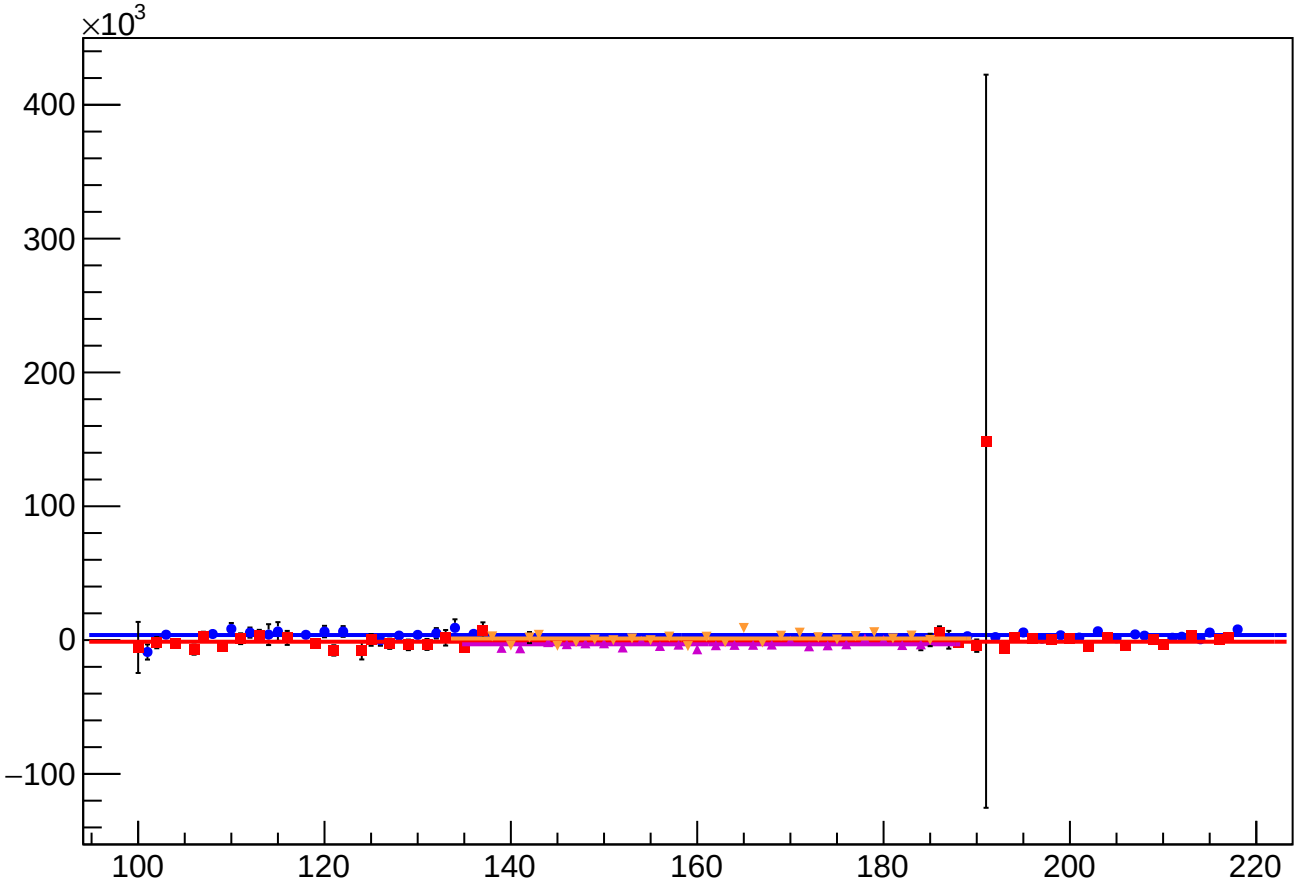
Right Out: 9107.103+/-1.561 χ^2/NDF: 6532574.5/35

Left In: 8764.138+/-1.478 χ^2/NDF:1291698.9/22

+ sign 9364.547+/-1.096 χ^2/NDF: 5431177.6/56

All: 9140.826+/-0.767 χ^2/NDF: 13362476.9/1

- sign 8926.266+/-1.074 χ^2/NDF: 7849710.9/58



Right In: 3780.053+/-598.357 χ^2/NDF: 16.9/31

Left Out: 1188.666+/-556.242 χ^2/NDF:31.1/24

Right Out: -1222.360+/-594.123 χ^2/NDF: 33.1/35

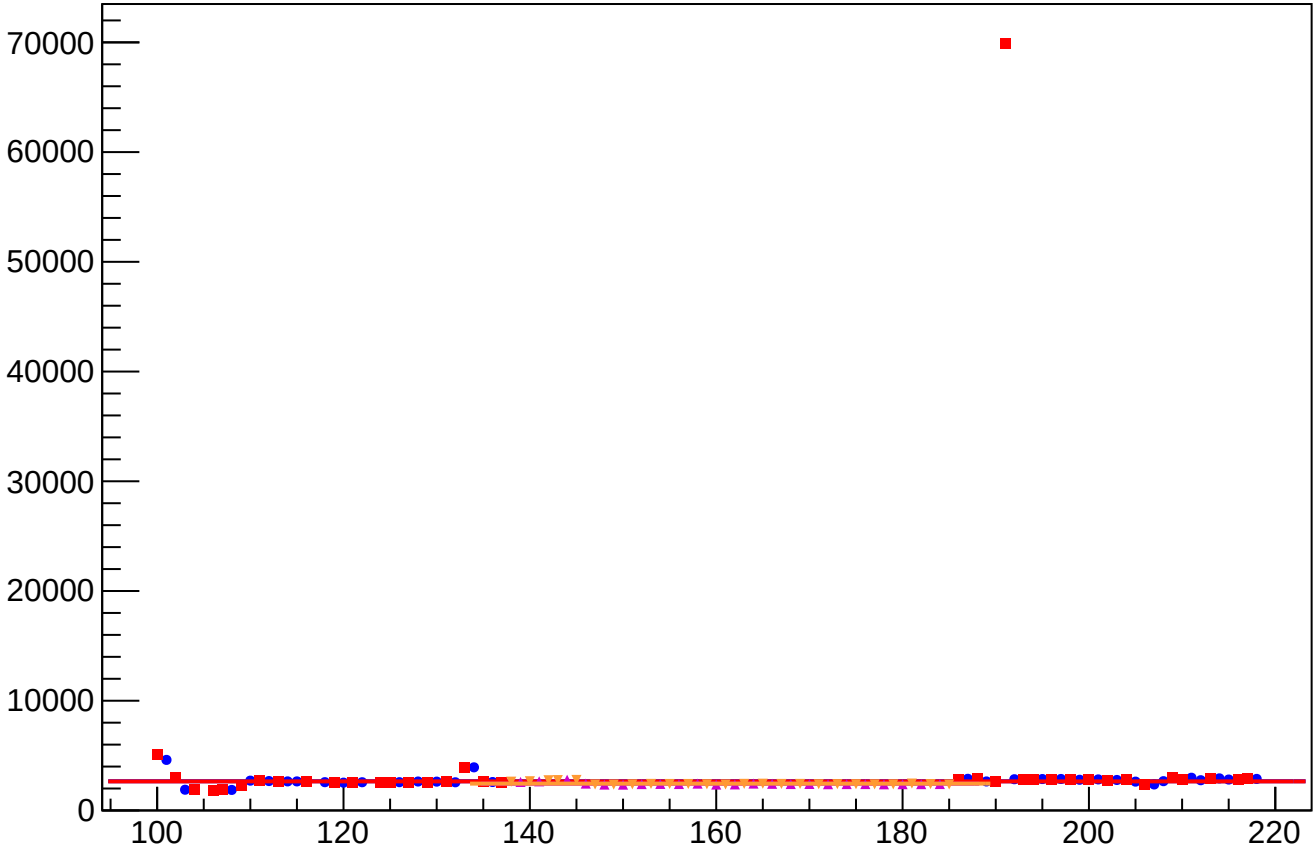
Left In: -3147.222+/-569.221 χ^2/NDF:12.7/22

+ sign 2389.962+/-407.398 χ^2/NDF: 58.1/56

All: 102.431+/-289.347 χ^2/NDF: 172.9/115

- sign -2225.974+/-411.022 χ^2/NDF: 51.2/58

cor_asym_atr2_rms vs Slug



Right In: 2663.089+/-0.423 χ^2/NDF: 781728.5/31

Left Out: 2445.826+/-0.393 χ^2/NDF:90014.8/24

Right Out: 2649.296+/-0.420 χ^2/NDF: 822368.0/35

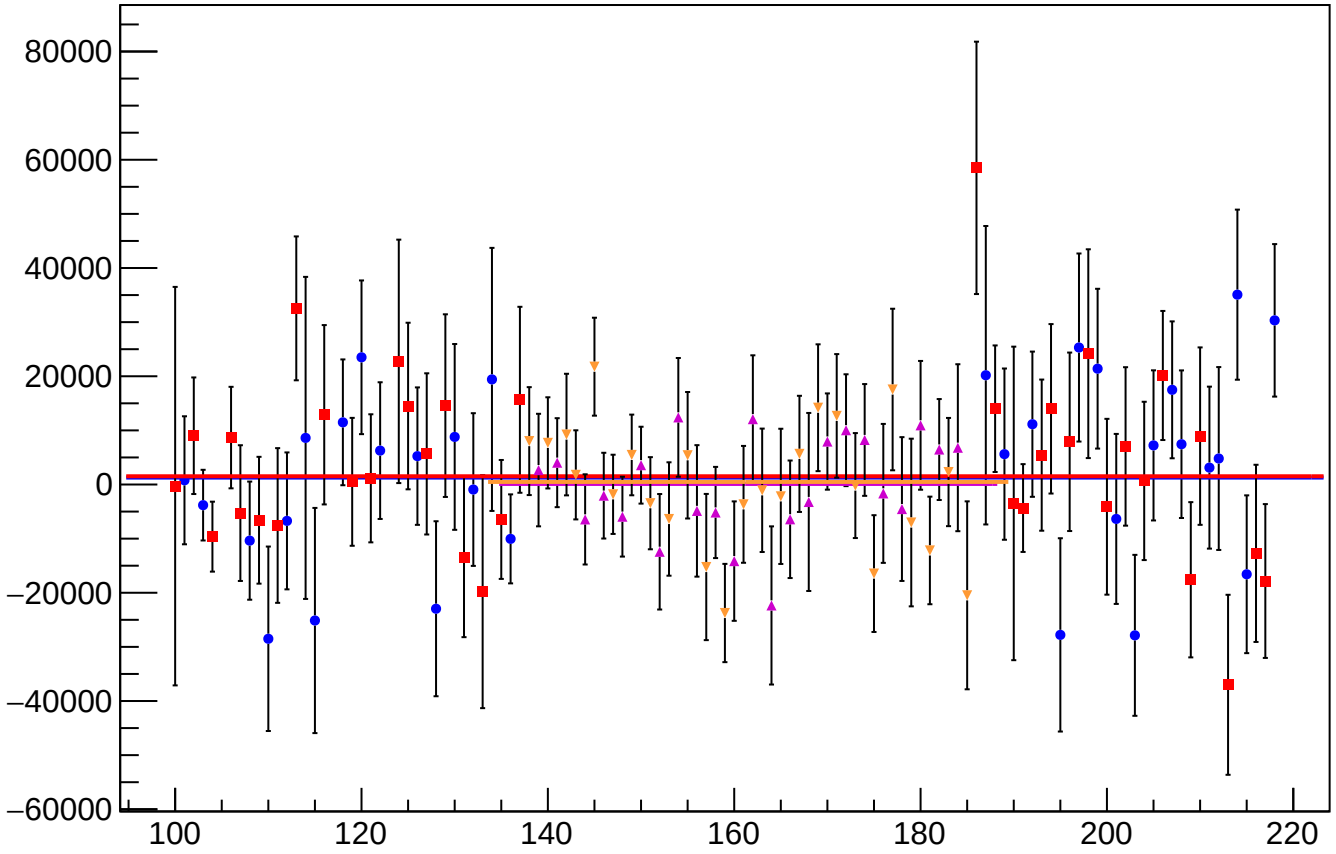
Left In: 2435.950+/-0.403 χ^2/NDF:59189.9/22

+ sign 2546.543+/-0.288 χ^2/NDF: 1013190.1/56

All: 2542.338+/-0.205 χ^2/NDF: 2029644.2/11

- sign 2538.059+/-0.291 χ^2/NDF: 1016024.2/58

asym_atr2_cor_correction_mean vs Slug



Right In: 1283.348+/-2391.869 χ^2/NDF: 39.3/31

Left Out: 477.198+/-2035.967 χ^2/NDF:27.4/24

Right Out: 1522.661+/-2227.078 χ^2/NDF: 39.2/35

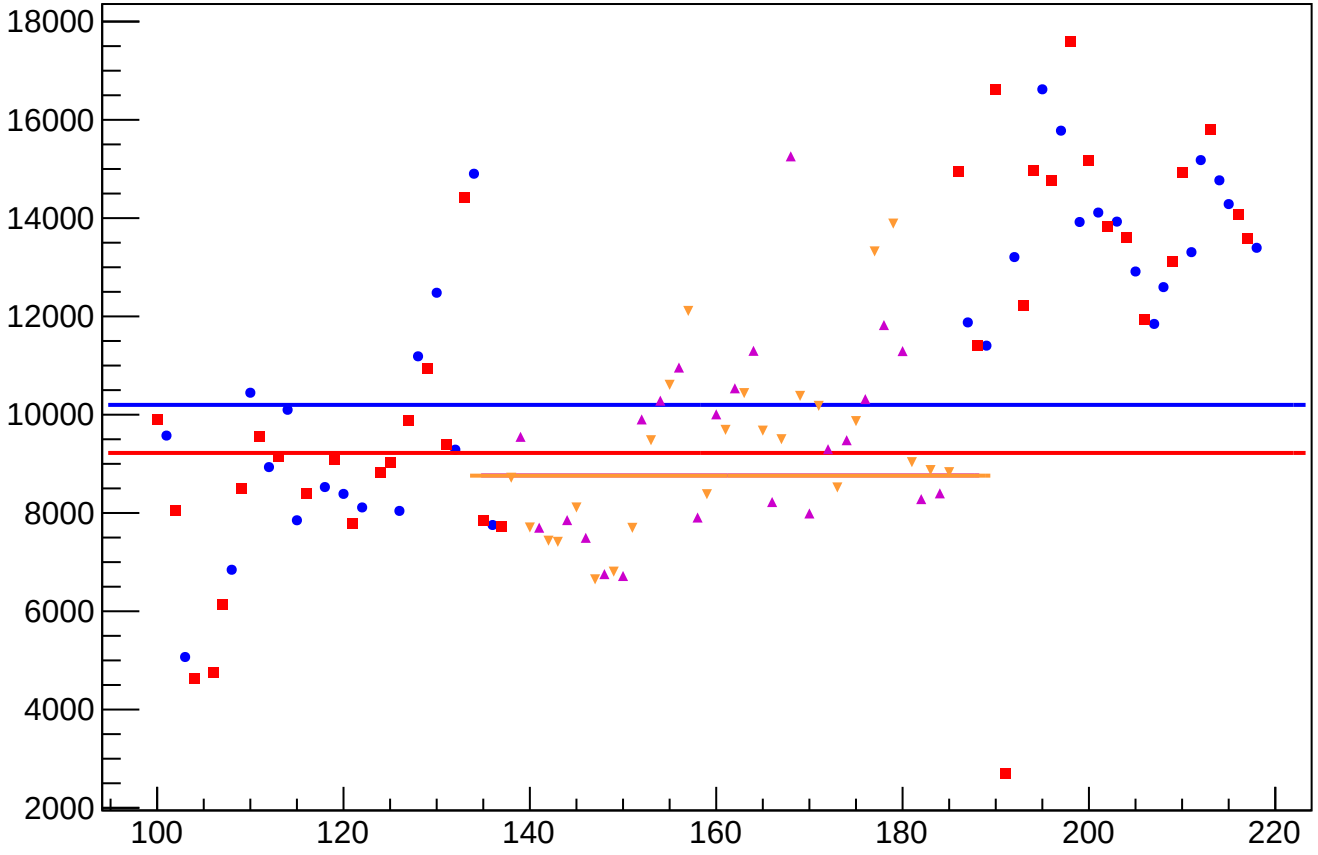
Left In: 105.025+/-2090.897 χ^2/NDF:14.5/22

\+ sign 815.892+/-1550.362 χ^2/NDF: 66.8/56

All: 792.140+/-1086.961 χ^2/NDF: 120.7/115

\- sign 769.178+/-1524.359 χ^2/NDF: 53.9/58

asym_atr2_cor_correction_rms vs Slug



Right In: 10199.672+/-1.691 χ^2/NDF: 3788057.0/31

Left Out: 8759.625+/-1.440 χ^2/NDF:1222248.8/24

Right Out: 9221.777+/-1.575 χ^2/NDF: 6239488.6/35

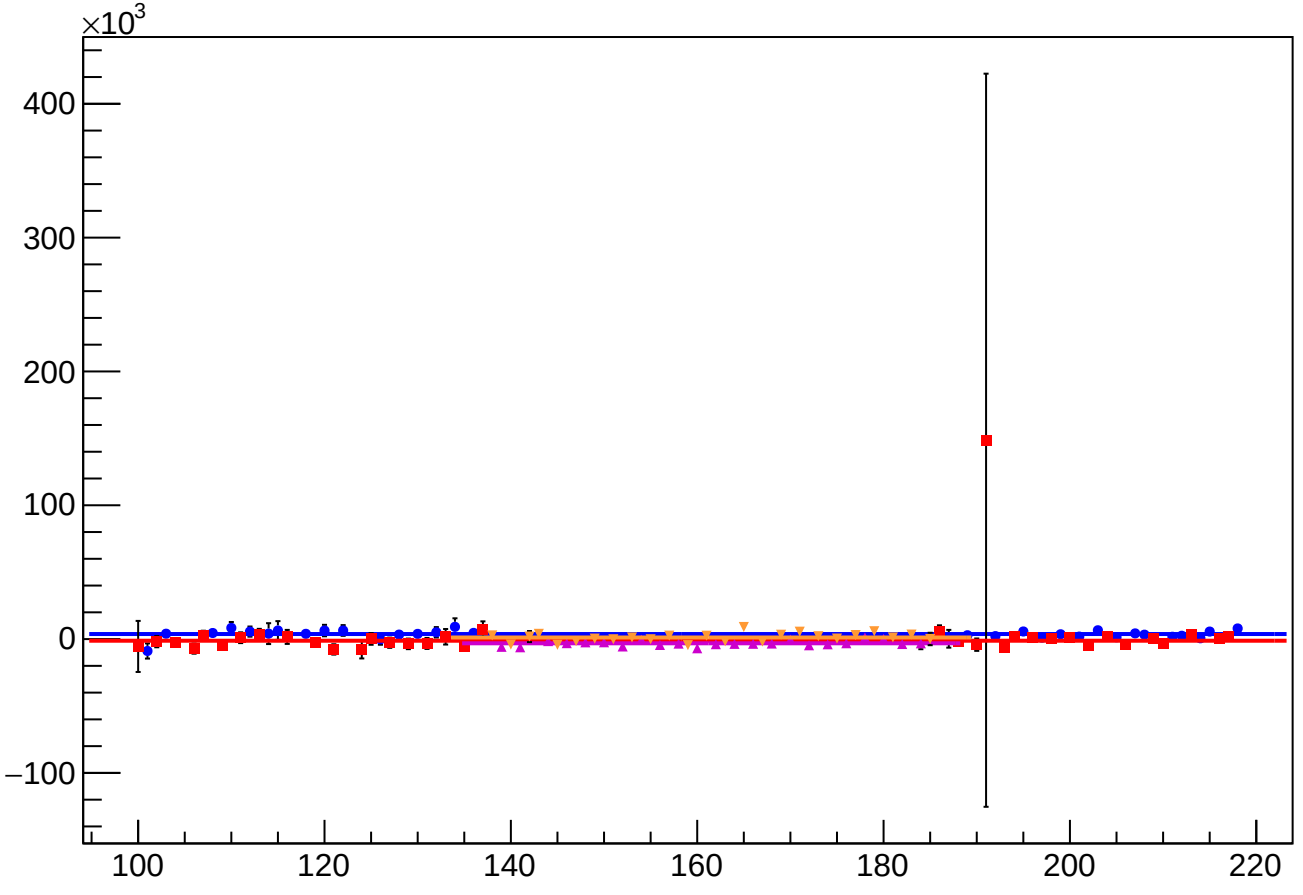
Left In: 8764.132+/-1.478 χ^2/NDF:1291700.3/22

+ sign 9364.643+/-1.096 χ^2/NDF: 5430677.1/56

All: 9168.324+/-0.769 χ^2/NDF: 13069825.0/1

- sign 8978.536+/-1.078 χ^2/NDF: 7576076.5/58

eigen_cor_asym_atr2_mean vs Slug



Right In: 3780.053+/-598.357 χ^2/NDF: 16.9/31

Left Out: 1188.666+/-556.242 χ^2/NDF:31.1/24

Right Out: -1222.360+/-594.123 χ^2/NDF: 33.1/35

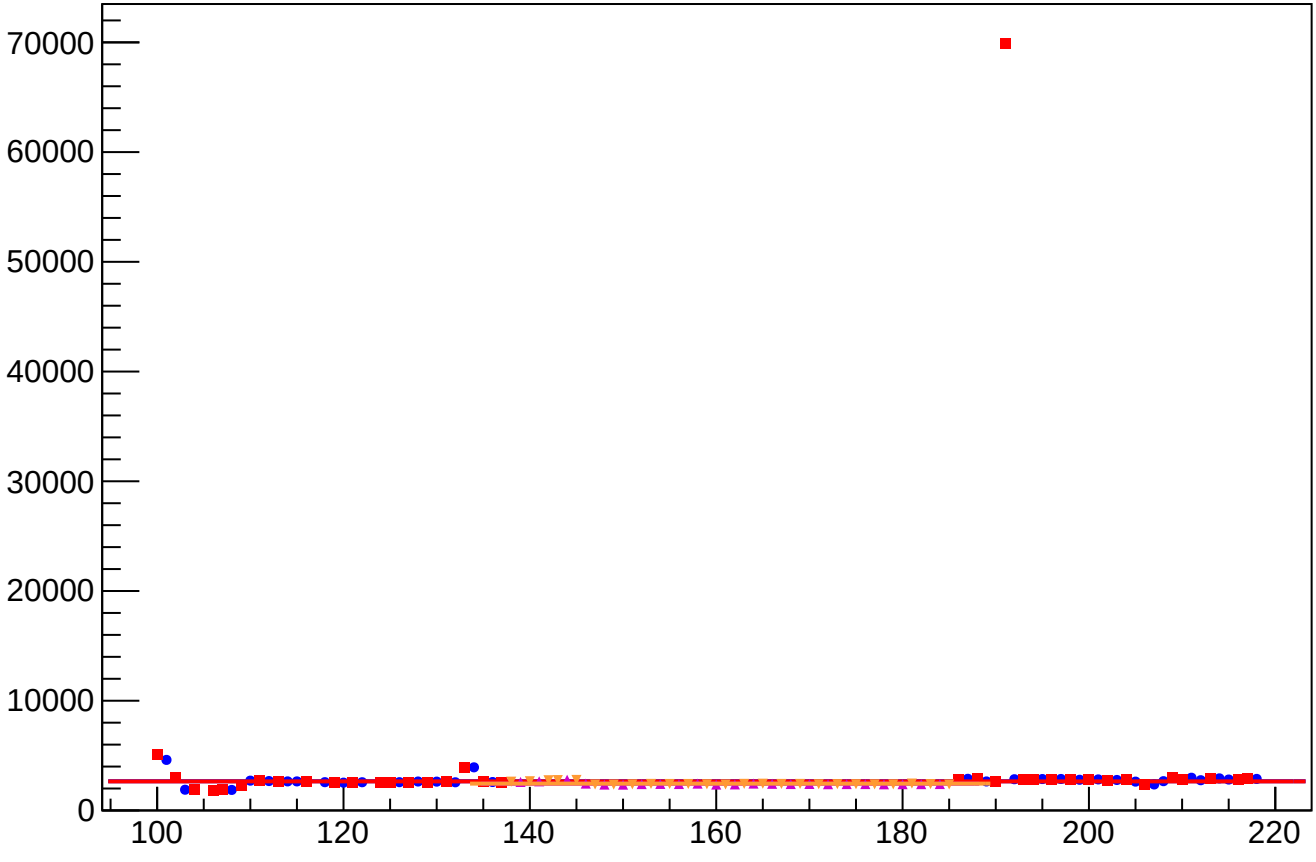
Left In: -3147.222+/-569.221 χ^2/NDF:12.7/22

+ sign 2389.962+/-407.398 χ^2/NDF: 58.1/56

All: 102.431+/-289.347 χ^2/NDF: 172.9/115

- sign -2225.974+/-411.022 χ^2/NDF: 51.2/58

eigen_cor_asym_atr2_rms vs Slug



Right In: 2663.089+/-0.423 χ^2/NDF: 781728.5/31

Left Out: 2445.826+/-0.393 χ^2/NDF:90014.8/24

Right Out: 2649.296+/-0.420 χ^2/NDF: 822368.0/35

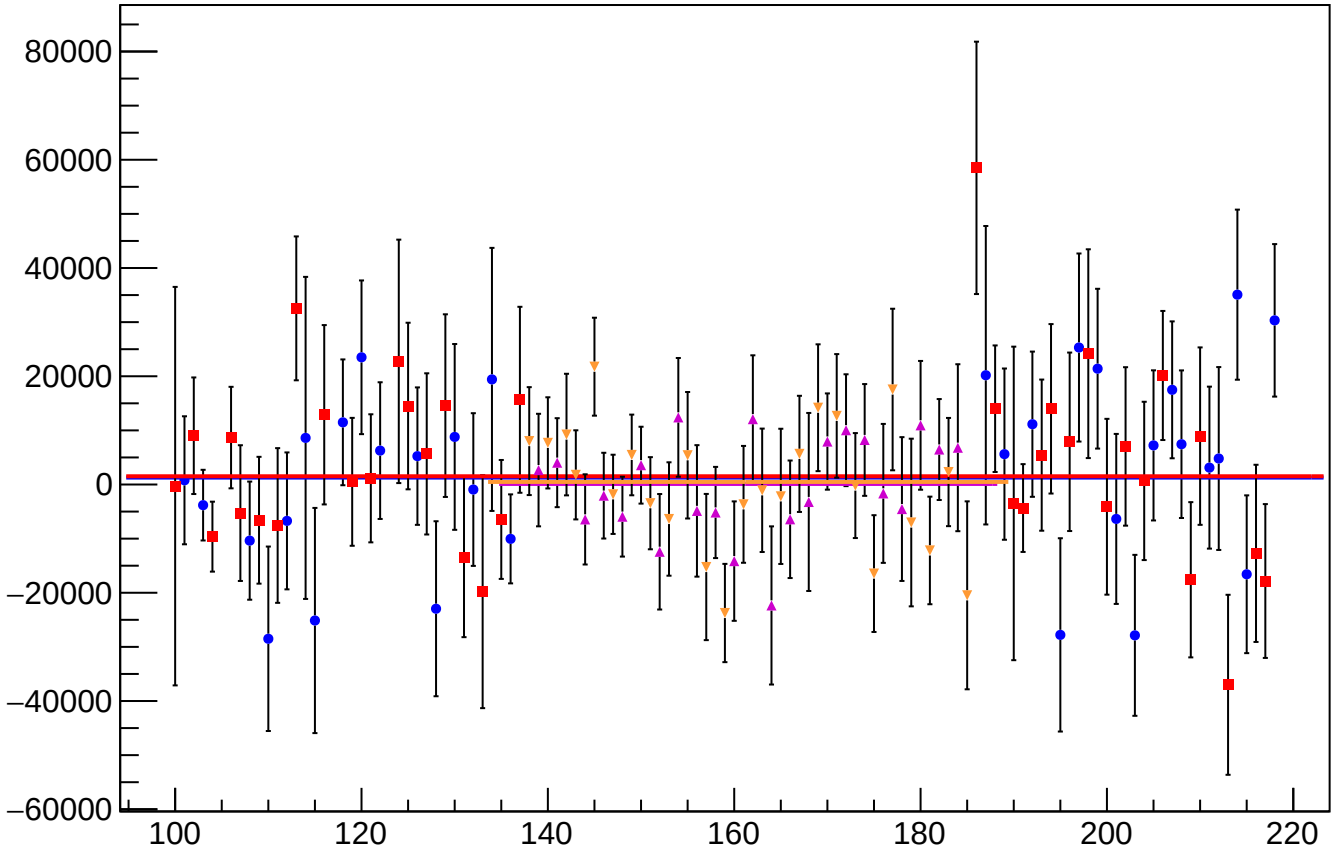
Left In: 2435.950+/-0.403 χ^2/NDF:59189.9/22

+ sign 2546.543+/-0.288 χ^2/NDF: 1013190.1/56

All: 2542.338+/-0.205 χ^2/NDF: 2029644.2/11

- sign 2538.059+/-0.291 χ^2/NDF: 1016024.2/58

asym_atr2_eigen_cor_correction_mean vs Slug



Right In: 1283.348+/-2391.869 χ^2/NDF: 39.3/31

Left Out: 477.198+/-2035.967 χ^2/NDF:27.4/24

Right Out: 1522.661+/-2227.078 χ^2/NDF: 39.2/35

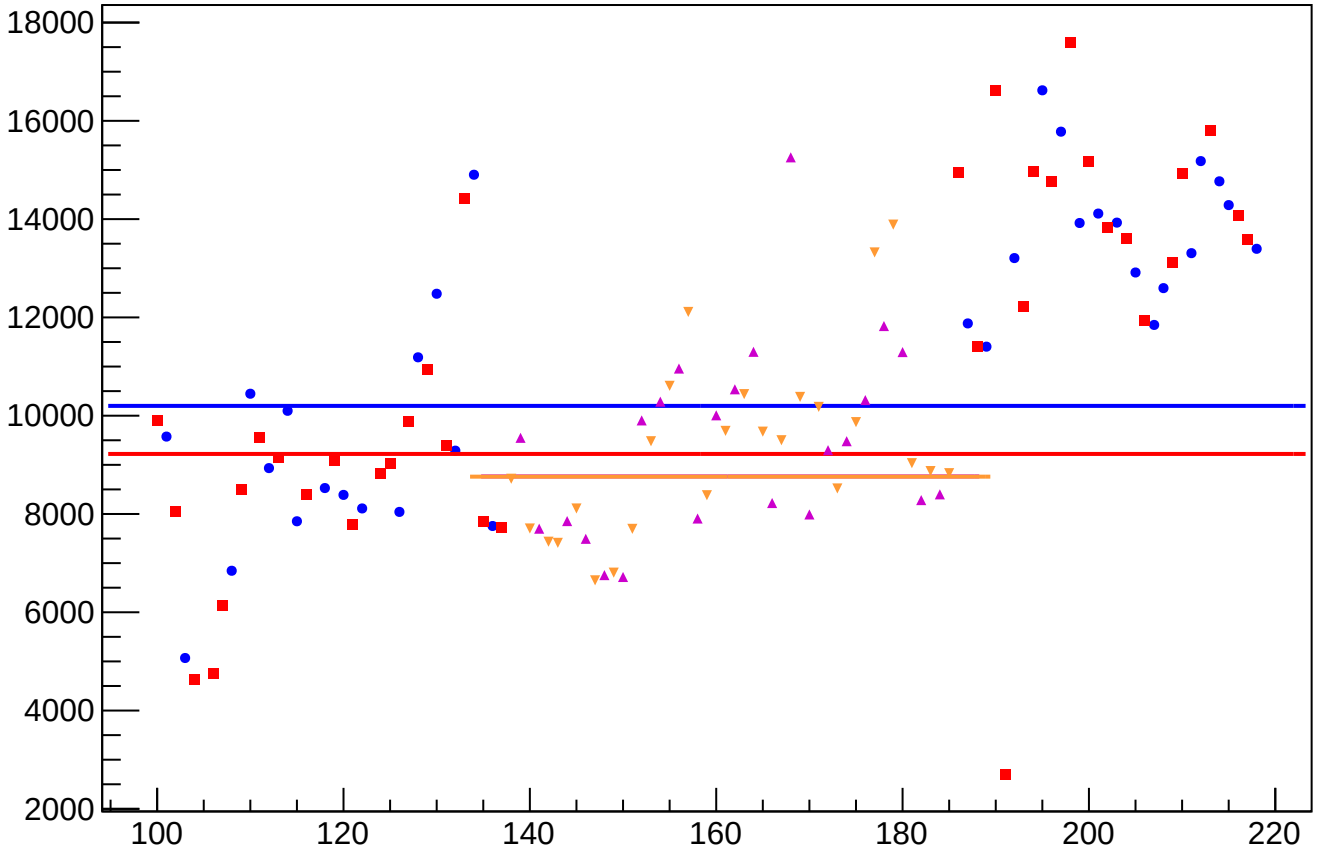
Left In: 105.025+/-2090.897 χ^2/NDF:14.5/22

+ sign 815.892+/-1550.362 χ^2/NDF: 66.8/56

All: 792.140+/-1086.961 χ^2/NDF: 120.7/115

- sign 769.178+/-1524.359 χ^2/NDF: 53.9/58

asym_atr2_eigen_cor_correction_rms vs Slug



Right In: 10199.672+/-1.691 χ^2/NDF: 3788057.0/31

Left Out: 8759.625+/-1.440 χ^2/NDF:1222248.8/24

Right Out: 9221.777+/-1.575 χ^2/NDF: 6239488.6/35

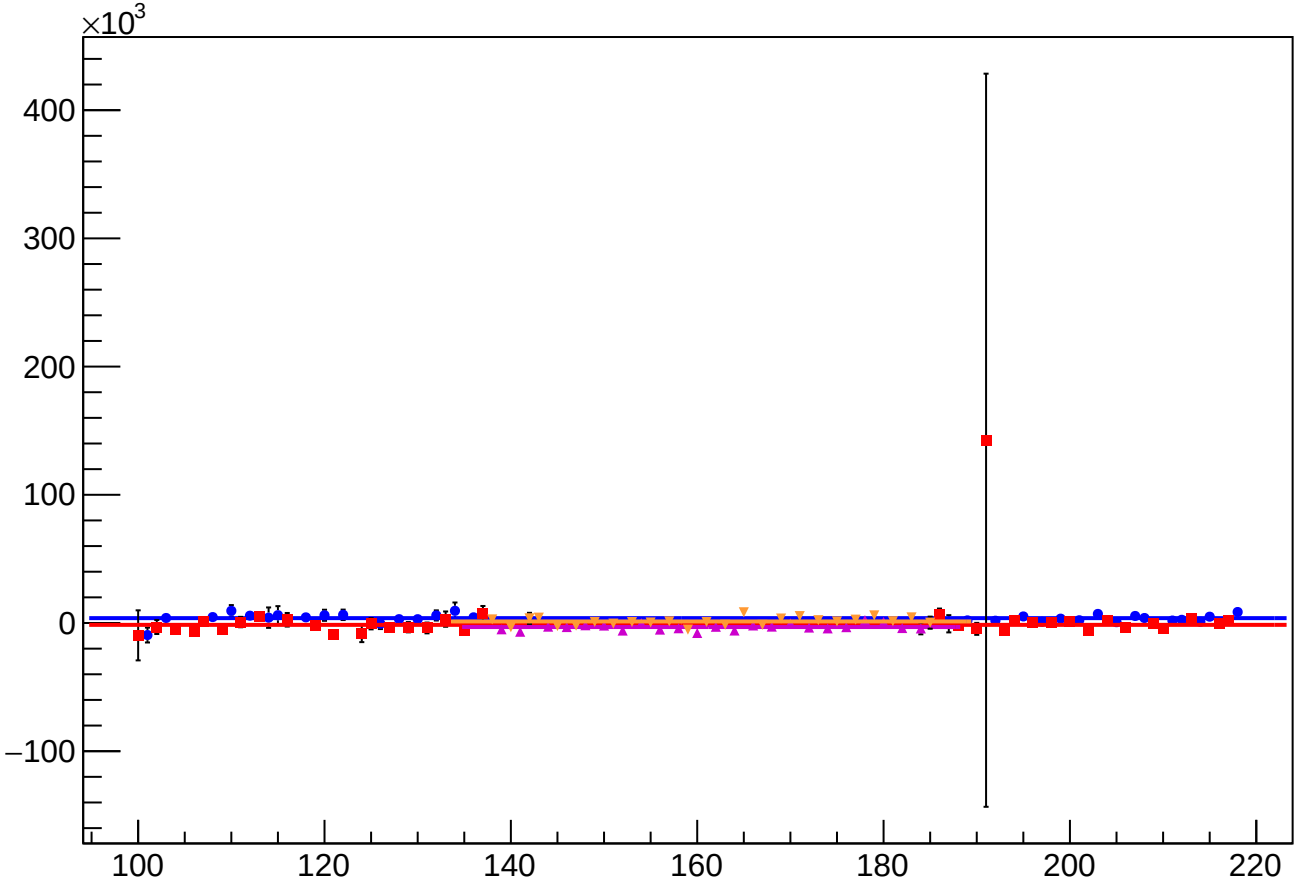
Left In: 8764.132+/-1.478 χ^2/NDF:1291700.3/22

\+ sign 9364.643+/-1.096 χ^2/NDF: 5430677.1/56

All: 9168.324+/-0.769 χ^2/NDF: 13069825.0/1

\- sign 8978.536+/-1.078 χ^2/NDF: 7576076.5/58

dit_asym_atr2_mean vs Slug



Right In: 3790.836+/-613.706 χ^2/NDF: 19.3/31

Left Out: 1213.875+/-579.693 χ^2/NDF:26.8/24

Right Out: -1451.700+/-611.516 χ^2/NDF: 37.2/35

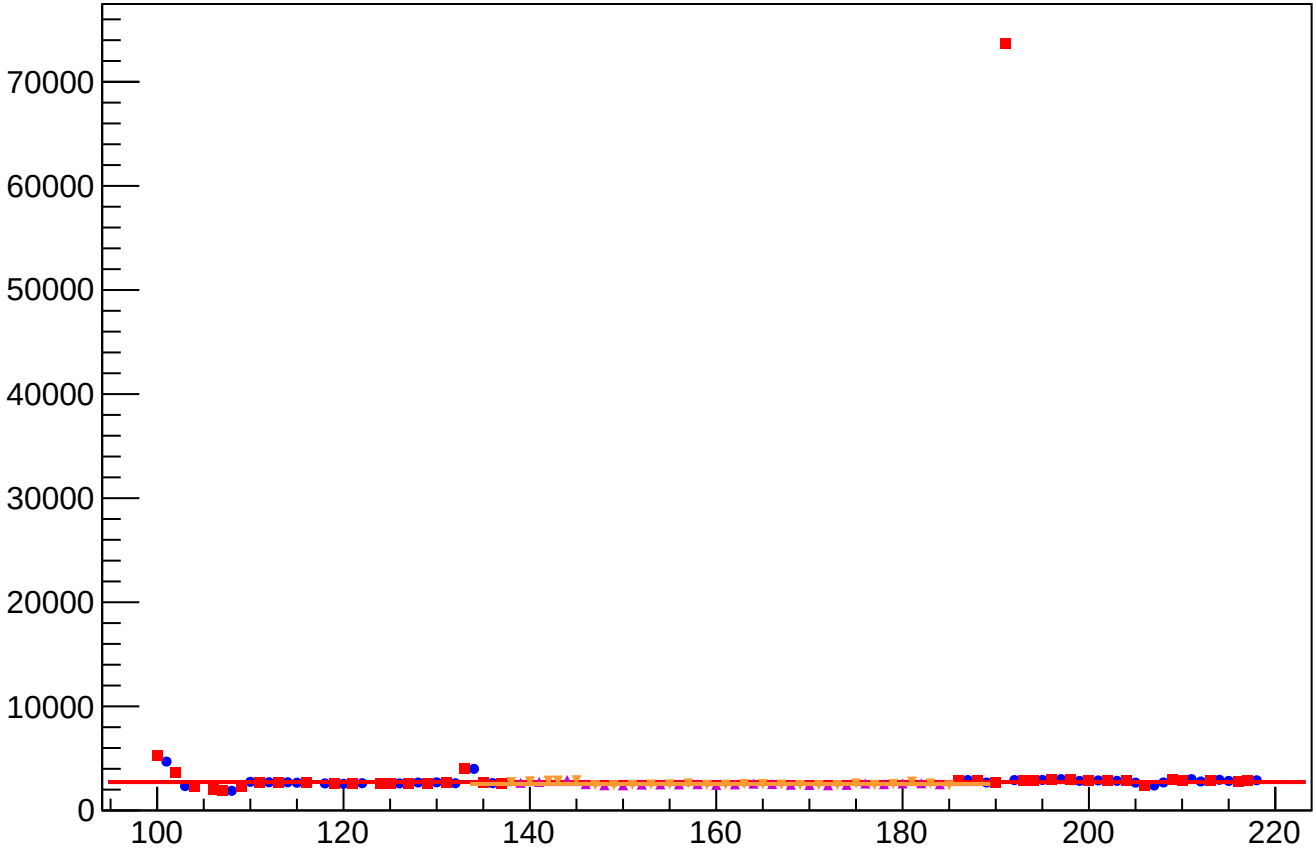
Left In: -3150.265+/-592.116 χ^2/NDF:16.5/22

+ sign 2428.970+/-421.416 χ^2/NDF: 55.5/56

All: 72.591+/-299.379 χ^2/NDF: 176.2/115

- sign -2328.352+/-425.383 χ^2/NDF: 57.7/58

dit_asym_atr2_rms vs Slug



Right In: 2736.496+/-0.434 χ^2/NDF: 620260.8/31

Left Out: 2547.154+/-0.410 χ^2/NDF:117298.5/24

Right Out: 2726.715+/-0.432 χ^2/NDF: 706836.4/35

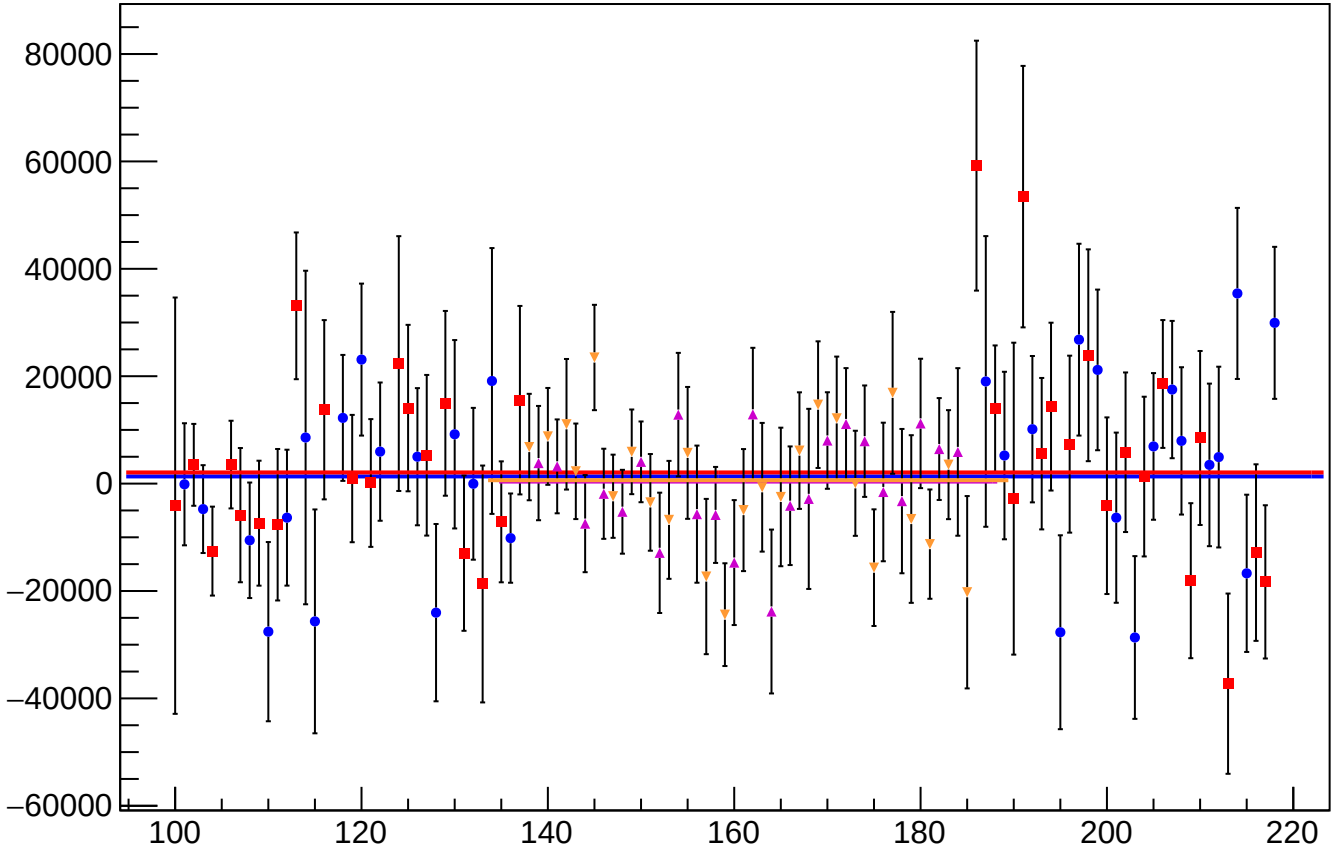
Left In: 2532.772+/-0.419 χ^2/NDF:68441.1/22

+ sign 2636.433+/-0.298 χ^2/NDF: 838166.2/56

All: 2631.582+/-0.212 χ^2/NDF: 1717829.8/11

- sign 2626.641+/-0.301 χ^2/NDF: 879128.7/58

asym_atr2_dit_correction_mean vs Slug



Right In: 1336.744+/-2461.013 χ^2/NDF: 39.0/31

Left Out: 631.360+/-2123.101 χ^2/NDF:26.7/24

Right Out: 2080.330+/-2299.972 χ^2/NDF: 41.7/35

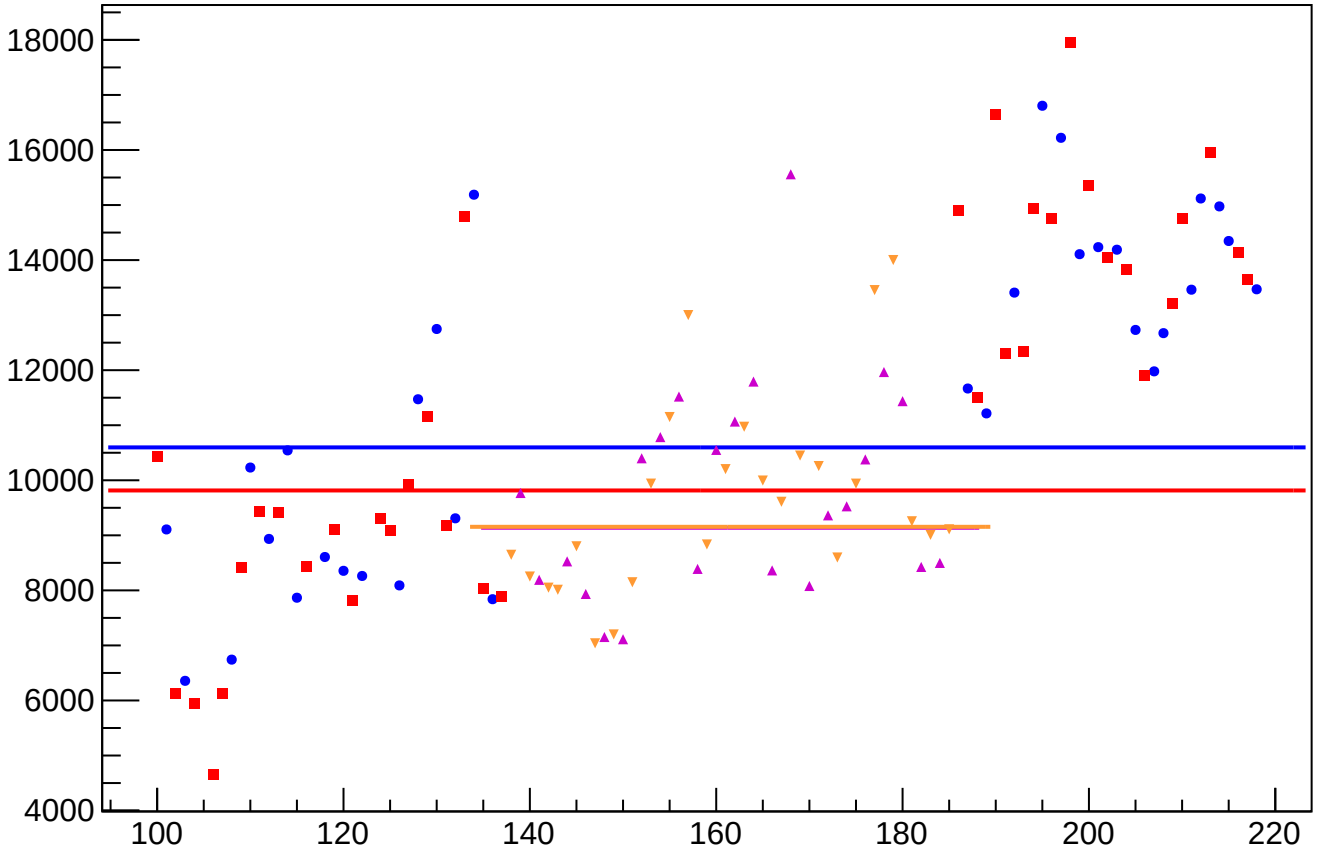
Left In: 377.922+/-2176.347 χ^2/NDF:14.2/22

+ sign 932.337+/-1607.561 χ^2/NDF: 65.7/56

All: 1059.337+/-1127.140 χ^2/NDF: 122.0/115

- sign 1182.145+/-1580.808 χ^2/NDF: 56.2/58

asym_atr2_dit_correction_rms vs Slug



Right In: 10597.467+/-1.740 χ^2/NDF: 3042952.2/31

Left Out: 9154.688+/-1.501 χ^2/NDF:1072073.9/24

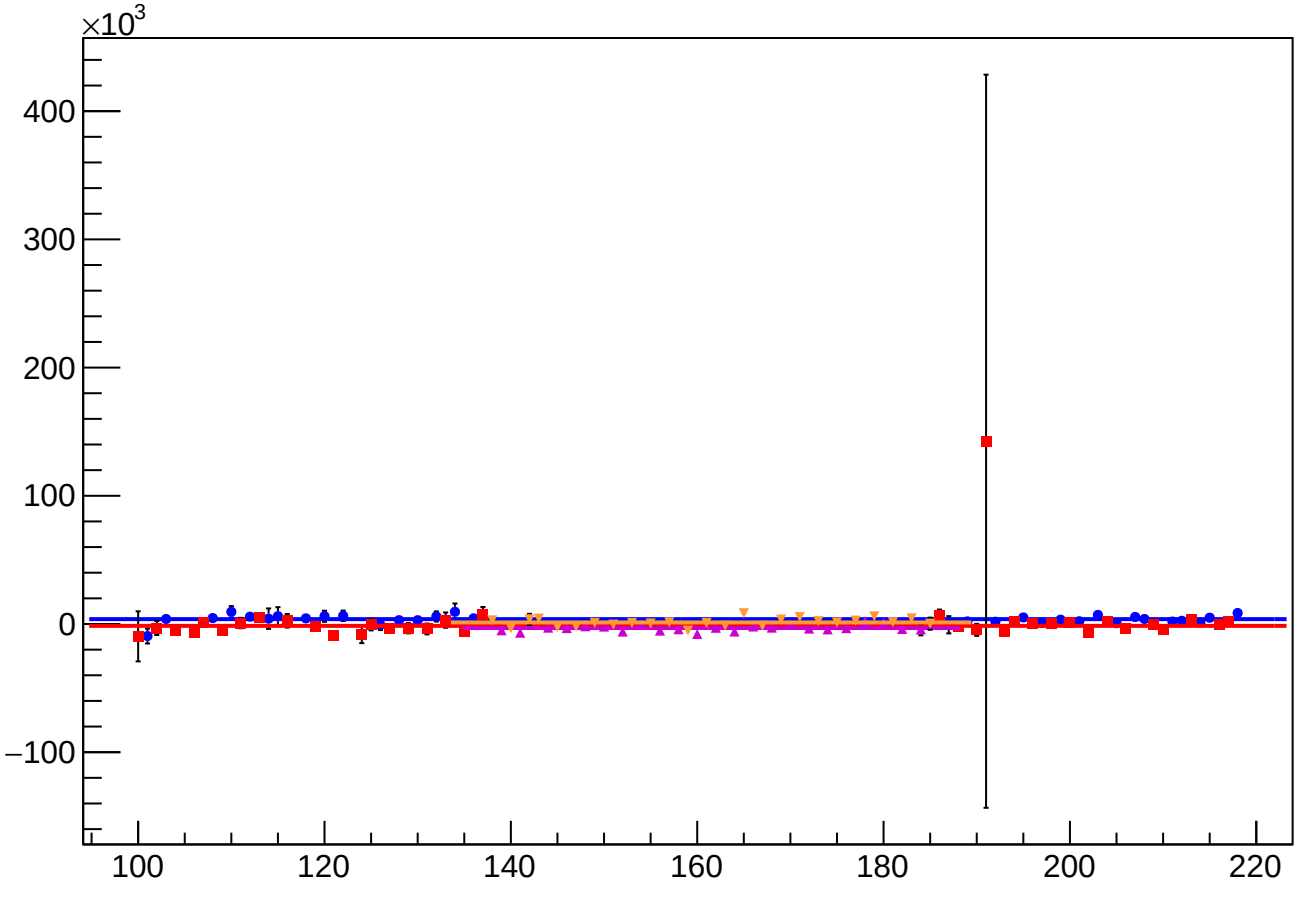
Right Out: 9815.085+/-1.626 χ^2/NDF: 4696415.8/35

Left In: 9137.576+/-1.539 χ^2/NDF:1172792.2/22

+ sign 9770.300+/-1.137 χ^2/NDF: 4509116.2/56

All: 9611.343+/-0.797 χ^2/NDF: 10508350.5/1

- sign 9457.634+/-1.118 χ^2/NDF: 5960770.4/58



Right In: 3790.826+/-613.706 χ^2/NDF: 19.3/31

Left Out: 1213.864+/-579.693 χ^2/NDF:26.8/24

Right Out: -1451.705+/-611.516 χ^2/NDF: 37.2/35

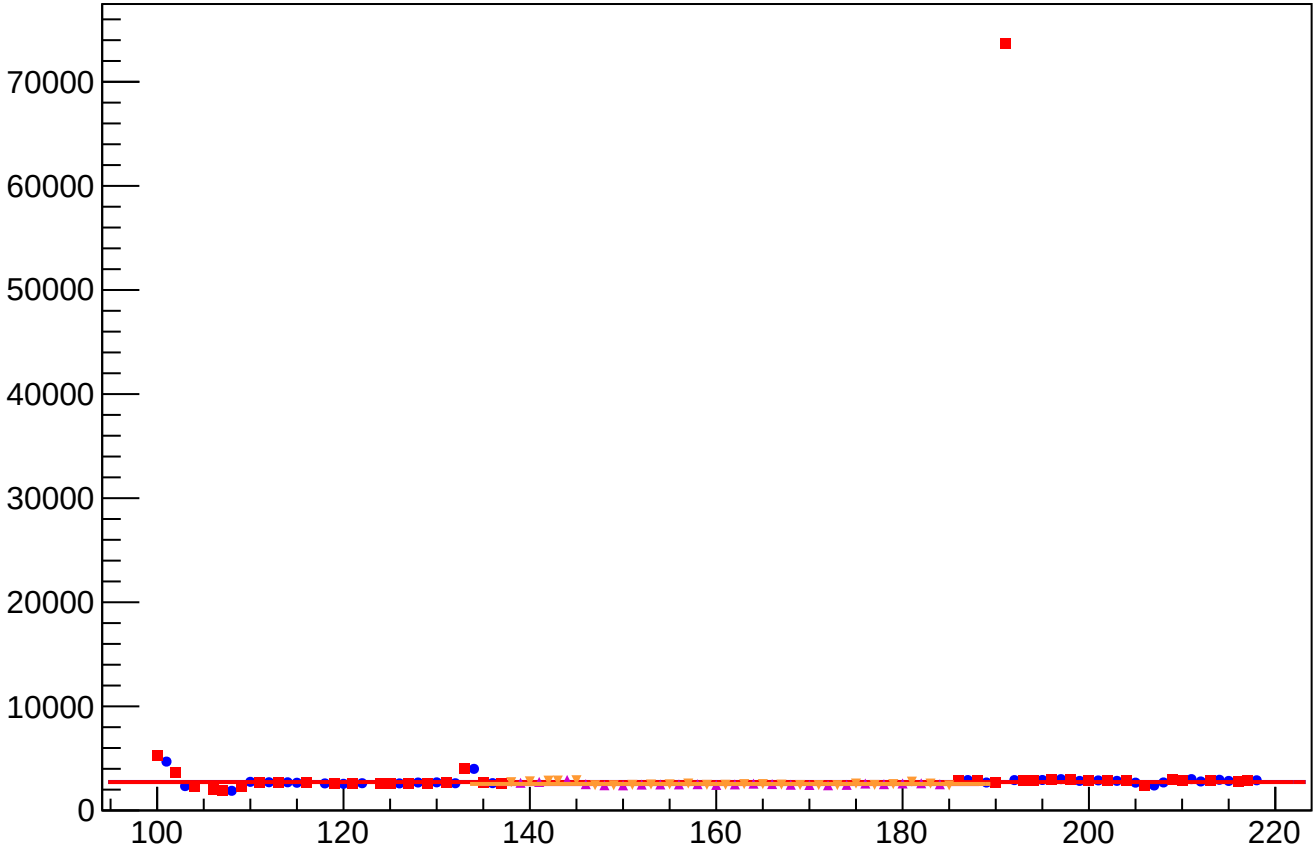
Left In: -3150.264+/-592.117 χ^2/NDF:16.5/22

+ sign 2428.960+/-421.416 χ^2/NDF: 55.5/56

All: 72.585+/-299.379 χ^2/NDF: 176.2/115

- sign -2328.353+/-425.383 χ^2/NDF: 57.7/58

eigen_dit_asym_atr2_rms vs Slug



Right In: 2736.495+/-0.434 χ^2/NDF: 620261.7/31

Left Out: 2547.156+/-0.410 χ^2/NDF:117298.5/24

Right Out: 2726.715+/-0.432 χ^2/NDF: 706836.3/35

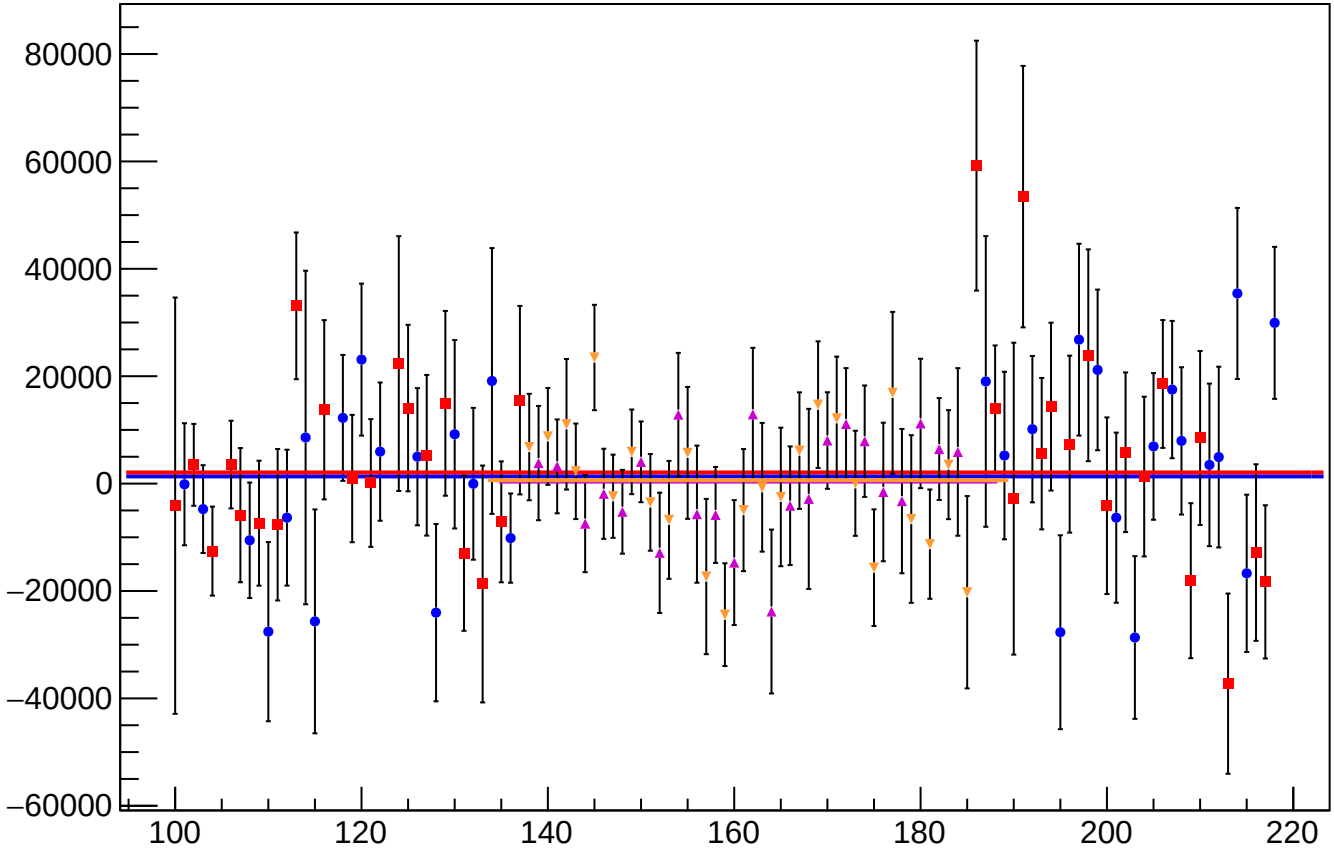
Left In: 2532.774+/-0.419 χ^2/NDF:68440.8/22

+ sign 2636.434+/-0.298 χ^2/NDF: 838164.8/56

All: 2631.583+/-0.212 χ^2/NDF: 1717826.1/11

- sign 2626.642+/-0.301 χ^2/NDF: 879126.3/58

asym_atr2_eigen_dit_correction_mean vs Slug



Right In: 1336.758+/-2461.013 χ^2/NDF: 39.0/31

Left Out: 631.356+/-2123.104 χ^2/NDF:26.7/24

Right Out: 2080.323+/-2299.971 χ^2/NDF: 41.7/35

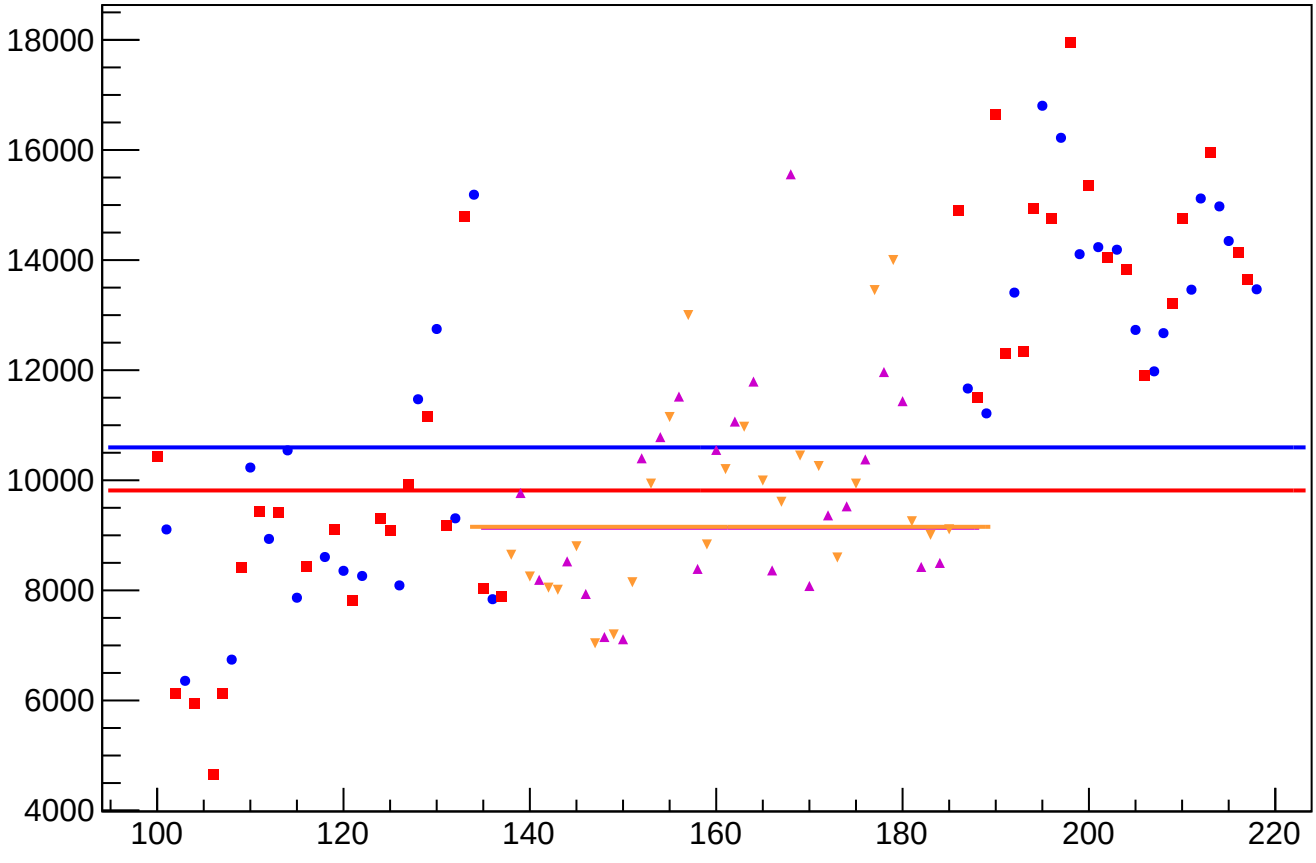
Left In: 377.927+/-2176.350 χ^2/NDF:14.2/22

+ sign 932.340+/-1607.562 χ^2/NDF: 65.7/56

All: 1059.340+/-1127.140 χ^2/NDF: 122.0/115

- sign 1182.147+/-1580.809 χ^2/NDF: 56.2/58

asym_atr2_eigen_dit_correction_rms vs Slug



Right In: 10597.462+/-1.740 χ^2/NDF: 3042969.5/31

Left Out: 9154.703+/-1.501 χ^2/NDF:1072075.9/24

Right Out: 9815.076+/-1.626 χ^2/NDF: 4696441.2/35

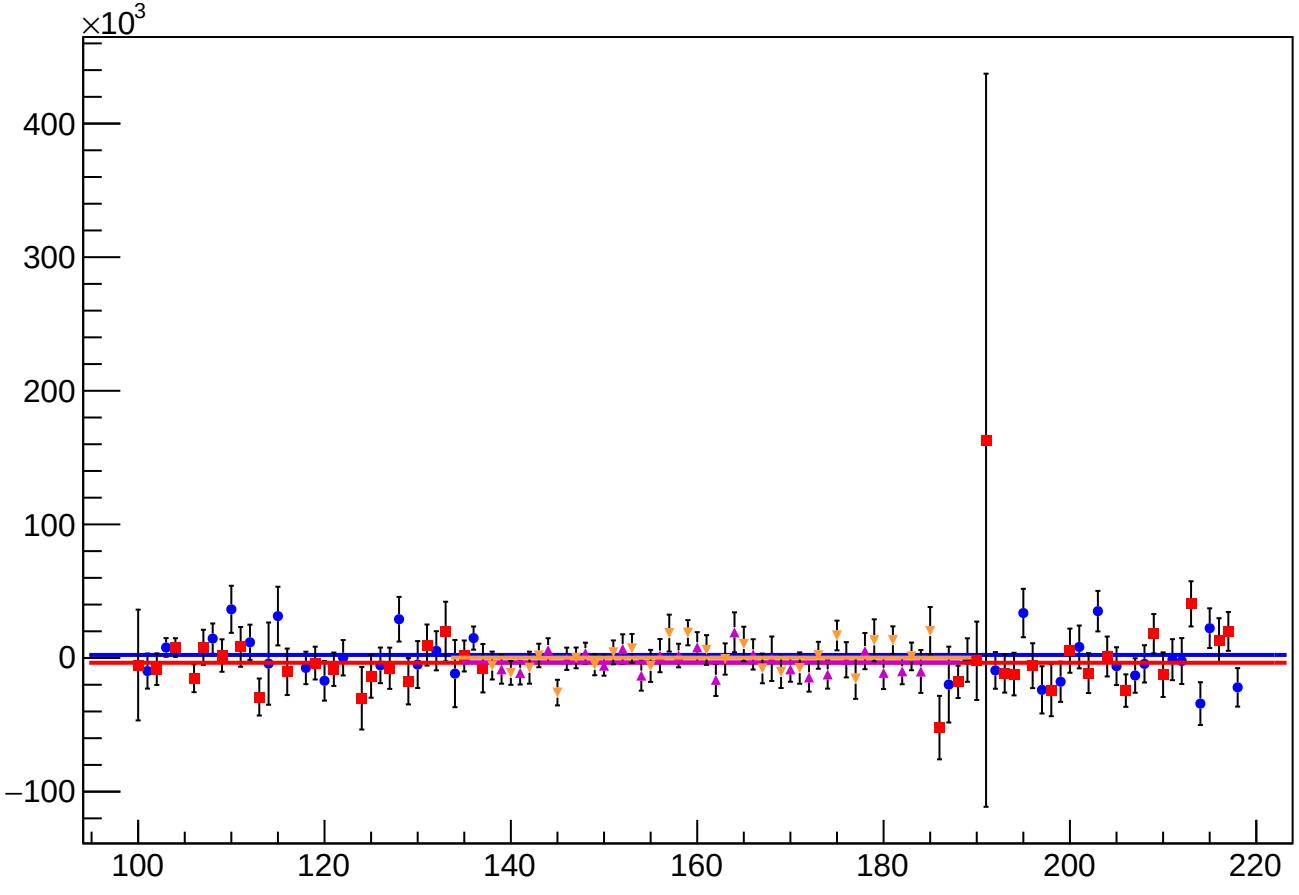
Left In: 9137.590+/-1.539 χ^2/NDF:1172796.0/22

+ sign 9770.307+/-1.137 χ^2/NDF: 4509124.2/56

All: 9611.349+/-0.797 χ^2/NDF: 10508382.3/1

- sign 9457.637+/-1.118 χ^2/NDF: 5960793.2/58

asym_atr2_mean vs Slug



Right In: 2303.410+/-2488.092 χ^2/NDF: 41.7/31

Left Out: 295.038+/-2125.383 χ^2/NDF:26.3/24

Right Out: -3563.601+/-2422.676 χ^2/NDF: 38.0/35

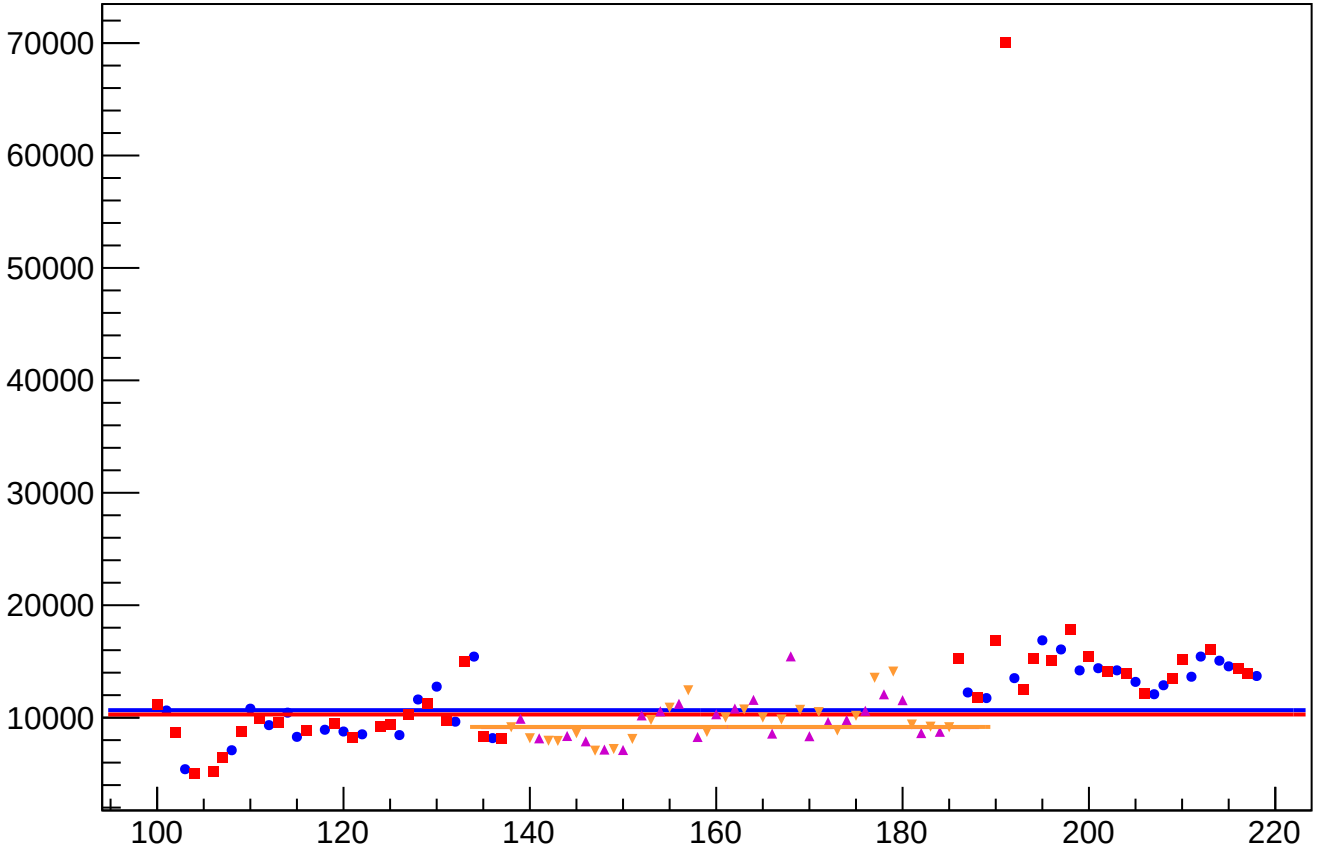
Left In: -3233.667+/-2179.845 χ^2/NDF:13.6/22

+ sign 1142.297+/-1616.041 χ^2/NDF: 68.4/56

All: -1113.322+/-1144.270 χ^2/NDF: 123.9/11

- sign -3381.275+/-1620.453 χ^2/NDF: 51.6/58

asym_atr2_rms vs Slug



Right In: 10664.785+/-1.759 χ^2/NDF: 3435349.8/31

Left Out: 9172.826+/-1.503 χ^2/NDF:1056946.9/24

Right Out: 10280.987+/-1.713 χ^2/NDF: 4415931.0/35

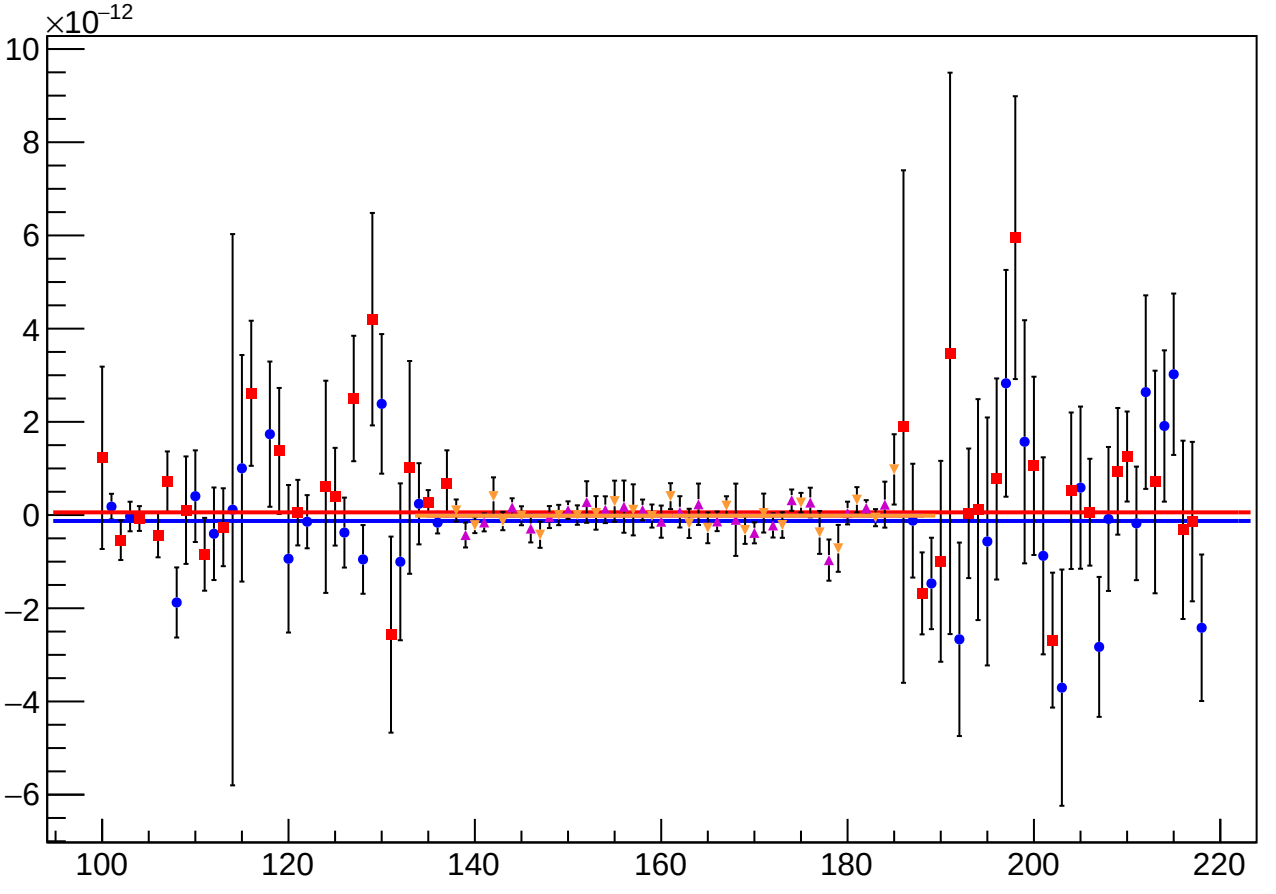
Left In: 9162.276+/-1.541 χ^2/NDF:1127533.4/22

+ sign 9802.229+/-1.143 χ^2/NDF: 4908055.4/56

All: 9732.695+/-0.809 χ^2/NDF: 10694616.6/1

- sign 9662.783+/-1.146 χ^2/NDF: 5779135.6/58

asym_atr2_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 33.3/31

Left Out: -0.000+/-0.000 χ^2/NDF:19.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 34.1/35

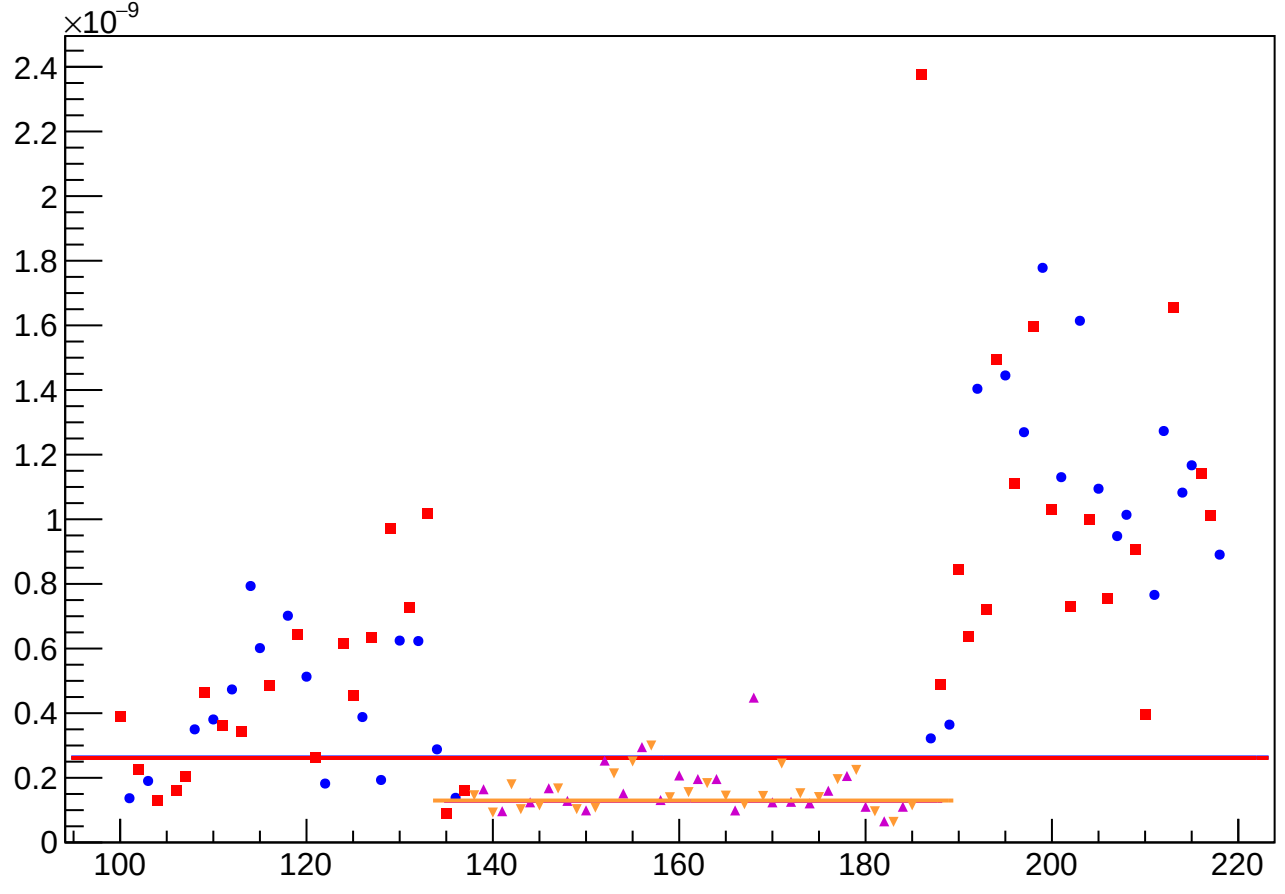
Left In: -0.000+/-0.000 χ^2/NDF:19.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 53.4/56

All: -0.000+/-0.000 χ^2/NDF: 107.0/115

- sign -0.000+/-0.000 χ^2/NDF: 53.5/58

asym_atr2_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 8318511.9/31

Left Out: 0.000+/-0.000 χ^2/NDF:1390522.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7872953.8/35

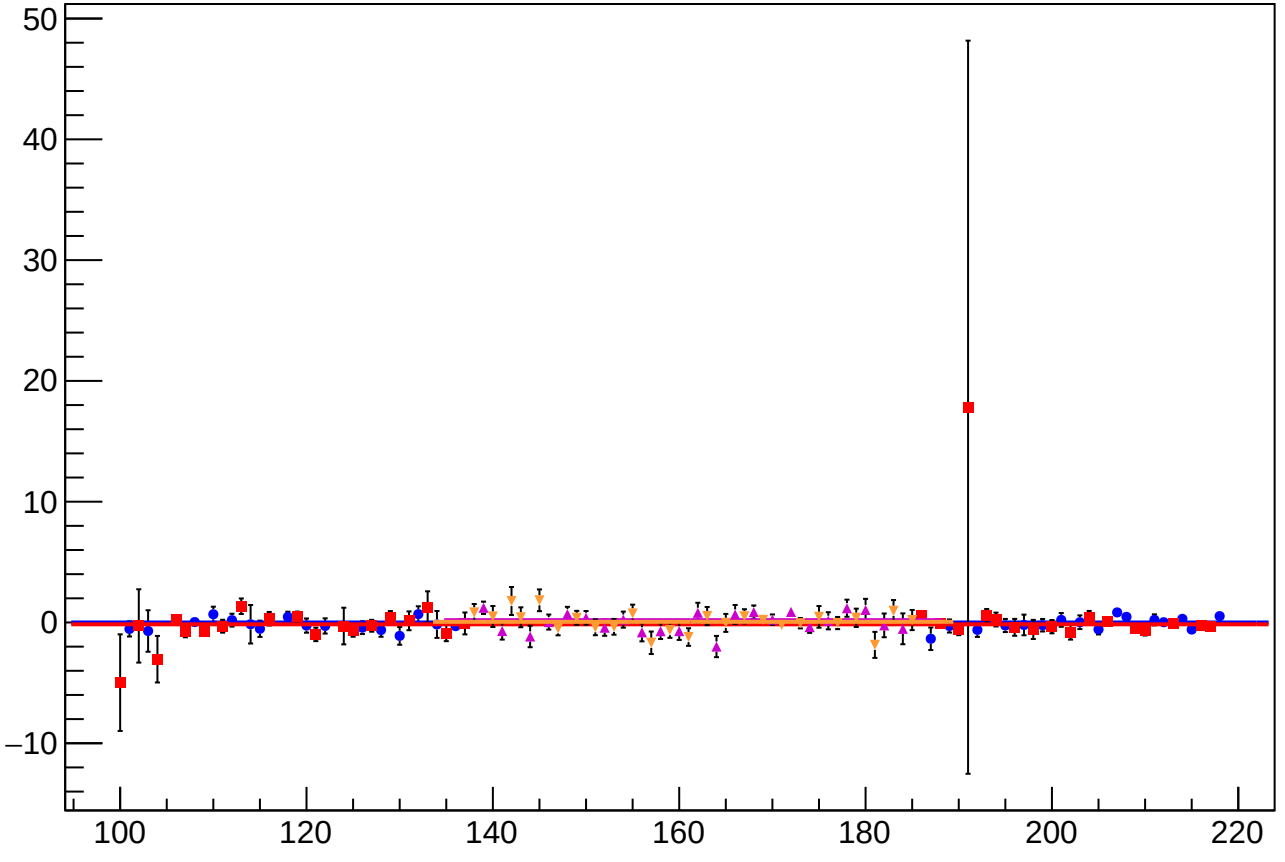
Left In: 0.000+/-0.000 χ^2/NDF:1516080.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 11574120.7/56

All: 0.000+/-0.000 χ^2/NDF: 22726584.3/115

- sign 0.000+/-0.000 χ^2/NDF: 11151915.3/58

asym_atr2_dit_vs_cor_diff_mean vs Slug



Right In: -0.001+/-0.088 χ^2/NDF: 30.9/31

Left Out: 0.054+/-0.130 χ^2/NDF:24.7/24

Right Out: -0.152+/-0.081 χ^2/NDF: 37.2/35

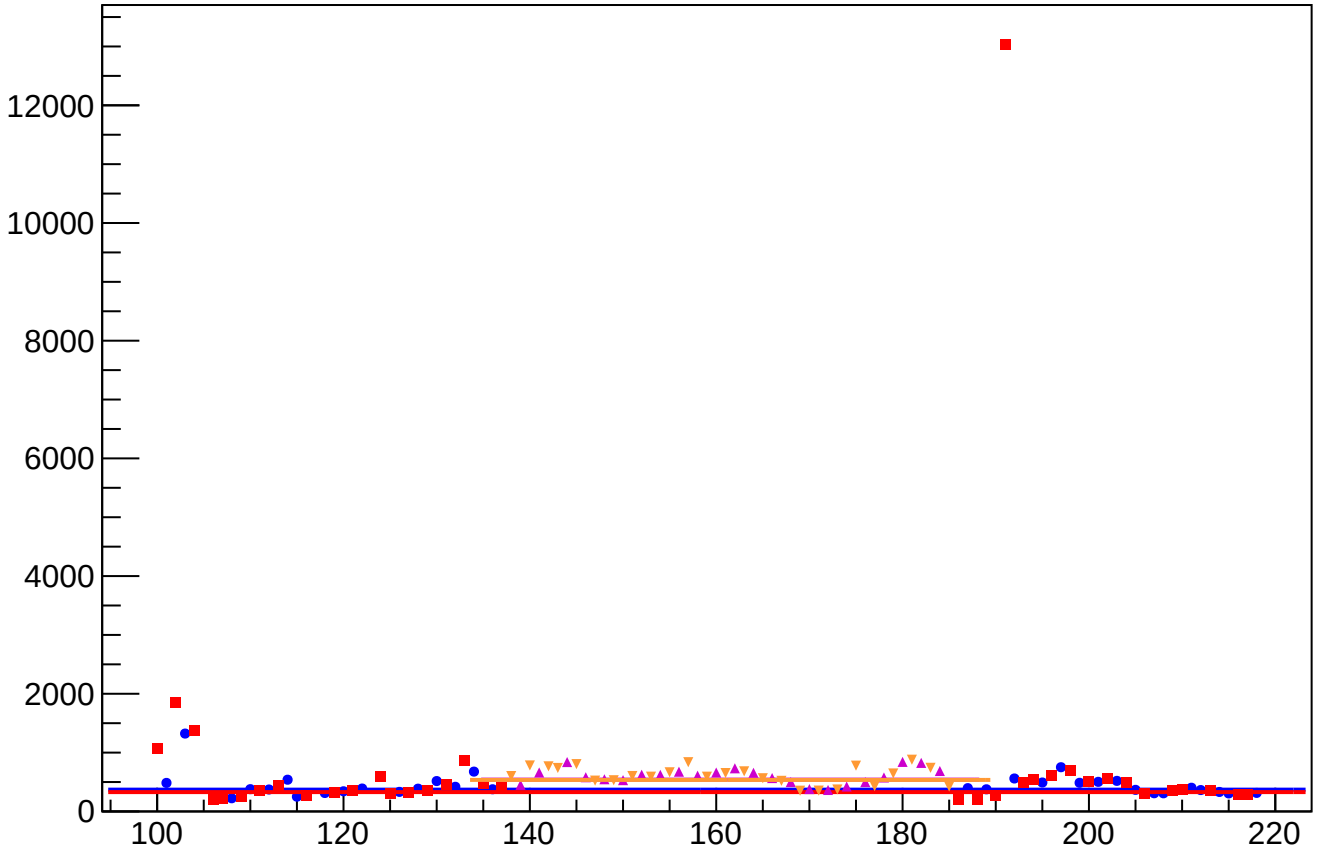
Left In: 0.191+/-0.133 χ^2/NDF:31.1/22

+ sign 0.016+/-0.073 χ^2/NDF: 55.7/56

All: -0.024+/-0.050 χ^2/NDF: 129.6/115

- sign -0.060+/-0.069 χ^2/NDF: 73.2/58

asym_atr2_dit_vs_cor_diff_rms vs Slug



Right In: 370.784+/-0.062 χ^2/NDF: 2747102.4/31

Left Out: 535.943+/-0.092 χ^2/NDF:2749736.4/24

Right Out: 328.880+/-0.057 χ^2/NDF: 5584330.7/35

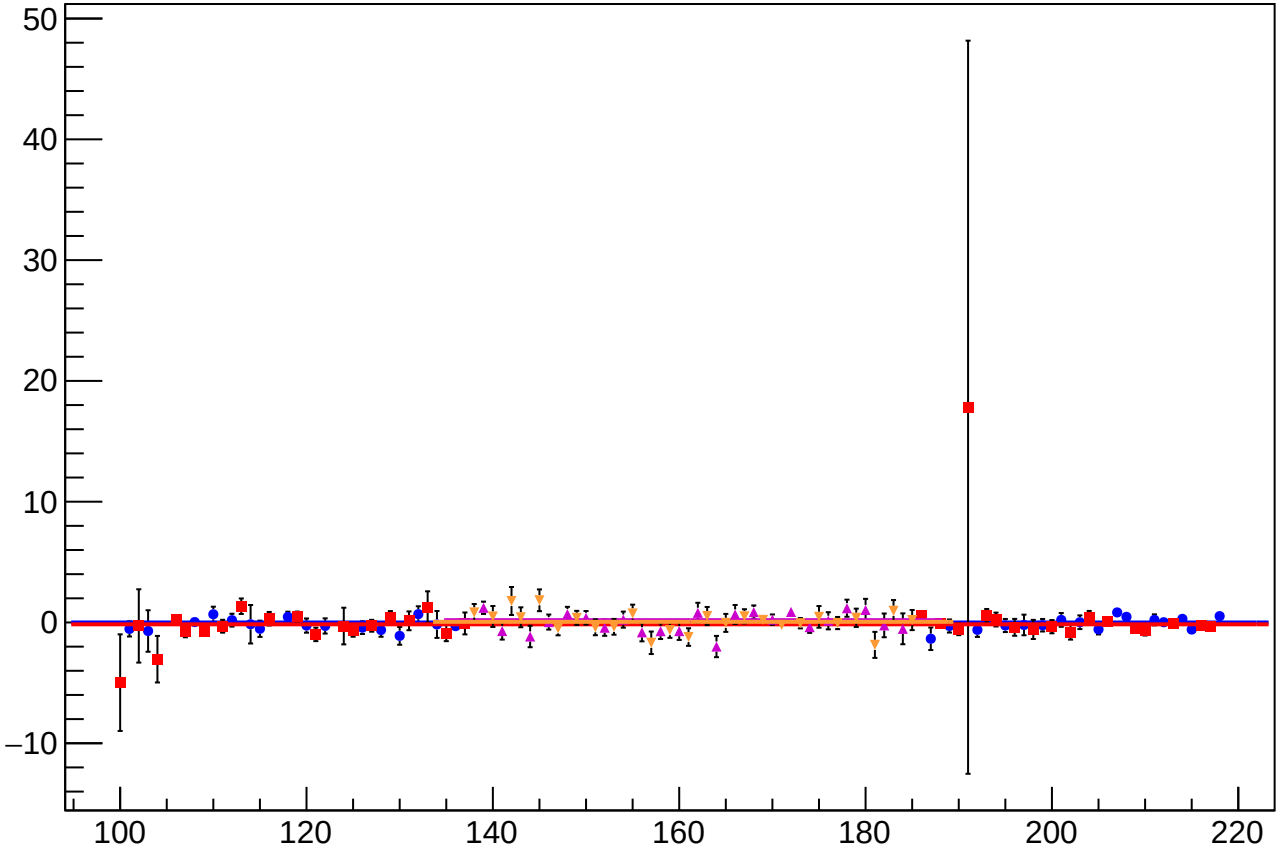
Left In: 540.804+/-0.094 χ^2/NDF:1904998.0/22

+ sign 422.569+/-0.051 χ^2/NDF: 7729917.2/56

All: 403.273+/-0.035 χ^2/NDF: 19195619.1/11

- sign 385.802+/-0.049 χ^2/NDF: 11195858.8/58

asym_atr2_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.001+/-0.088 χ^2/NDF: 30.9/31

Left Out: 0.054+/-0.130 χ^2/NDF:24.7/24

Right Out: -0.152+/-0.081 χ^2/NDF: 37.2/35

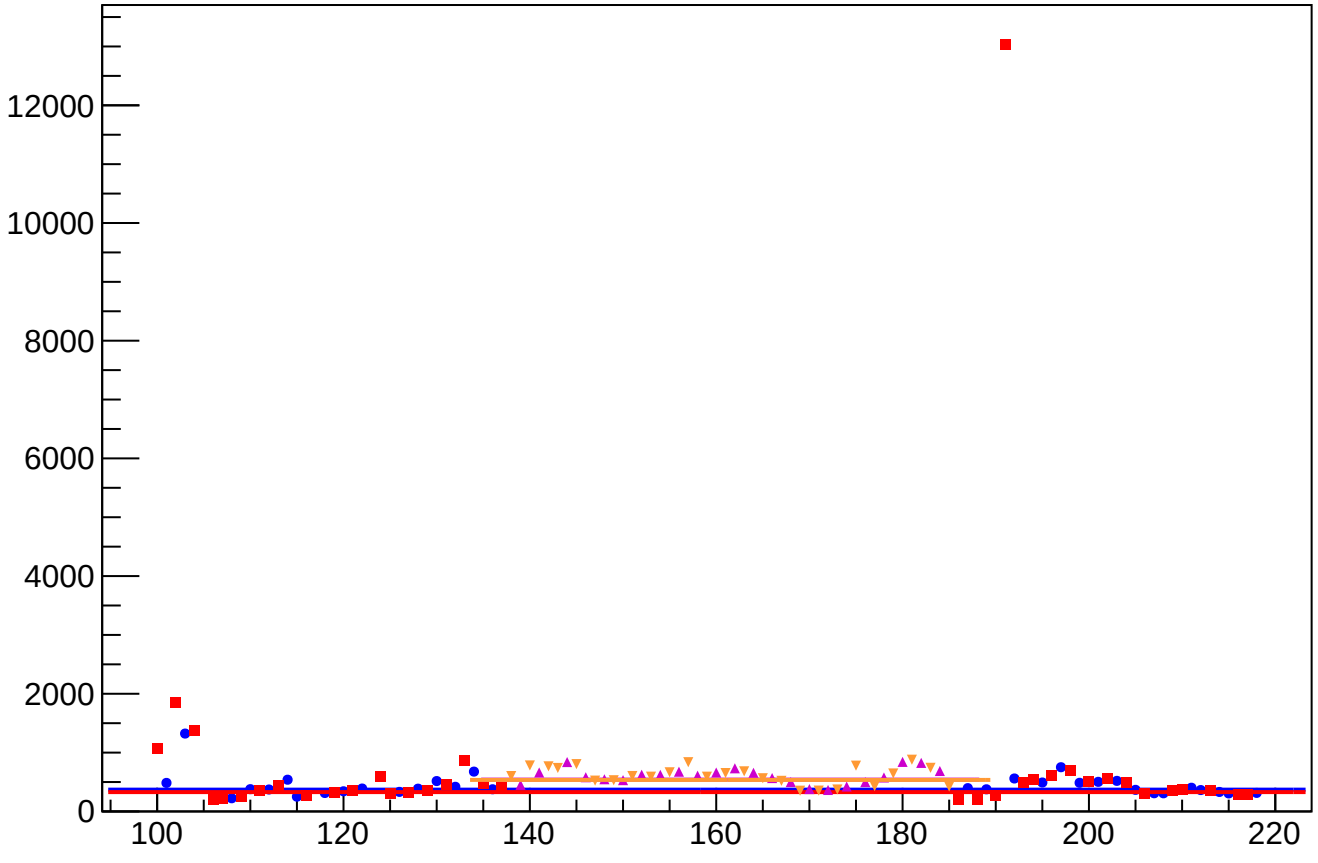
Left In: 0.191+/-0.133 χ^2/NDF:31.1/22

+ sign 0.016+/-0.073 χ^2/NDF: 55.7/56

All: -0.024+/-0.050 χ^2/NDF: 129.6/115

- sign -0.060+/-0.069 χ^2/NDF: 73.2/58

asym_atr2_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 370.784+/-0.062 χ^2/NDF: 2747102.4/31

Left Out: 535.943+/-0.092 χ^2/NDF:2749736.4/24

Right Out: 328.880+/-0.057 χ^2/NDF: 5584330.7/35

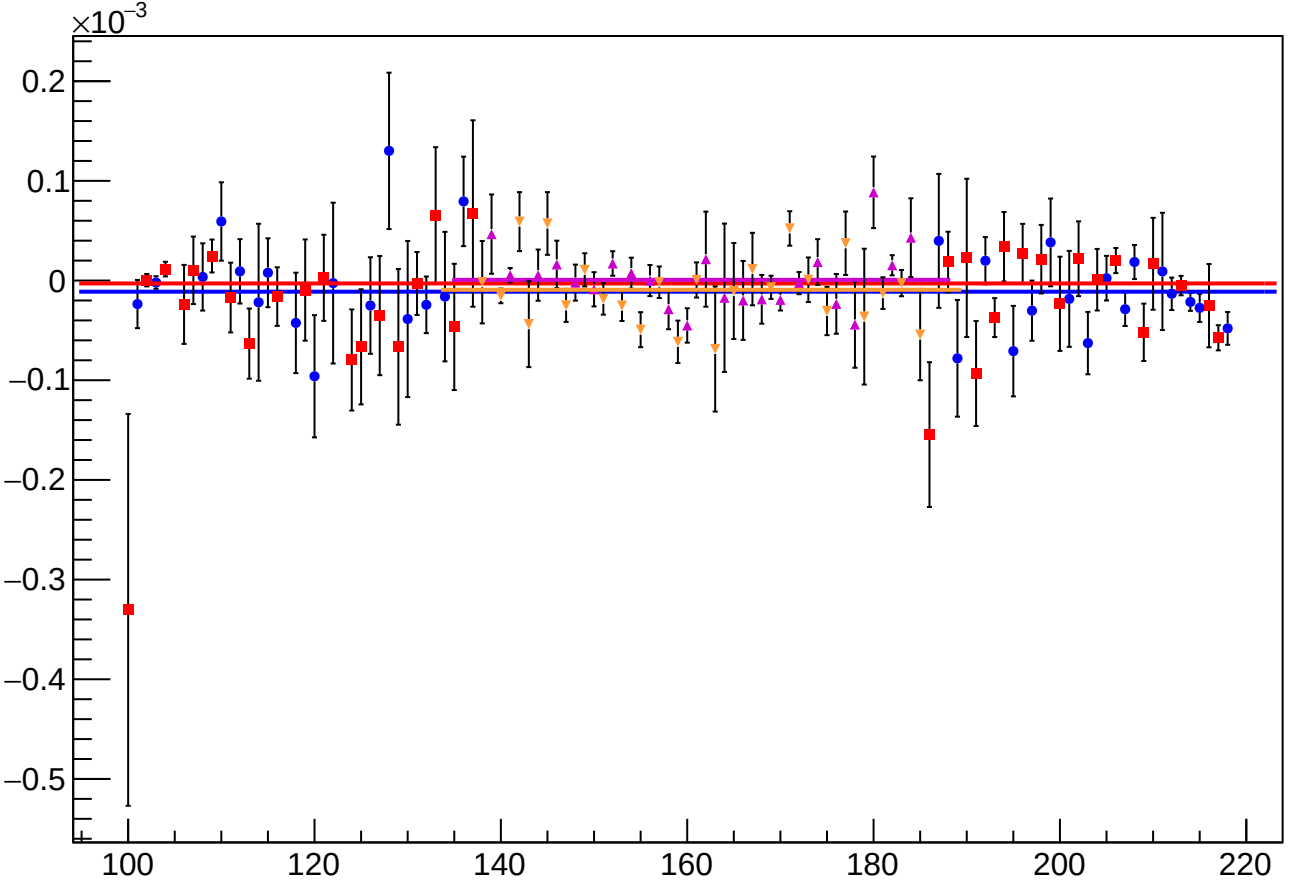
Left In: 540.804+/-0.094 χ^2/NDF:1904998.0/22

+ sign 422.569+/-0.051 χ^2/NDF: 7729917.2/56

All: 403.273+/-0.035 χ^2/NDF: 19195619.1/11

- sign 385.802+/-0.049 χ^2/NDF: 11195858.8/58

asym_atr2_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 38.6/31

Left Out: -0.000+/-0.000 χ^2/NDF:45.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 59.5/35

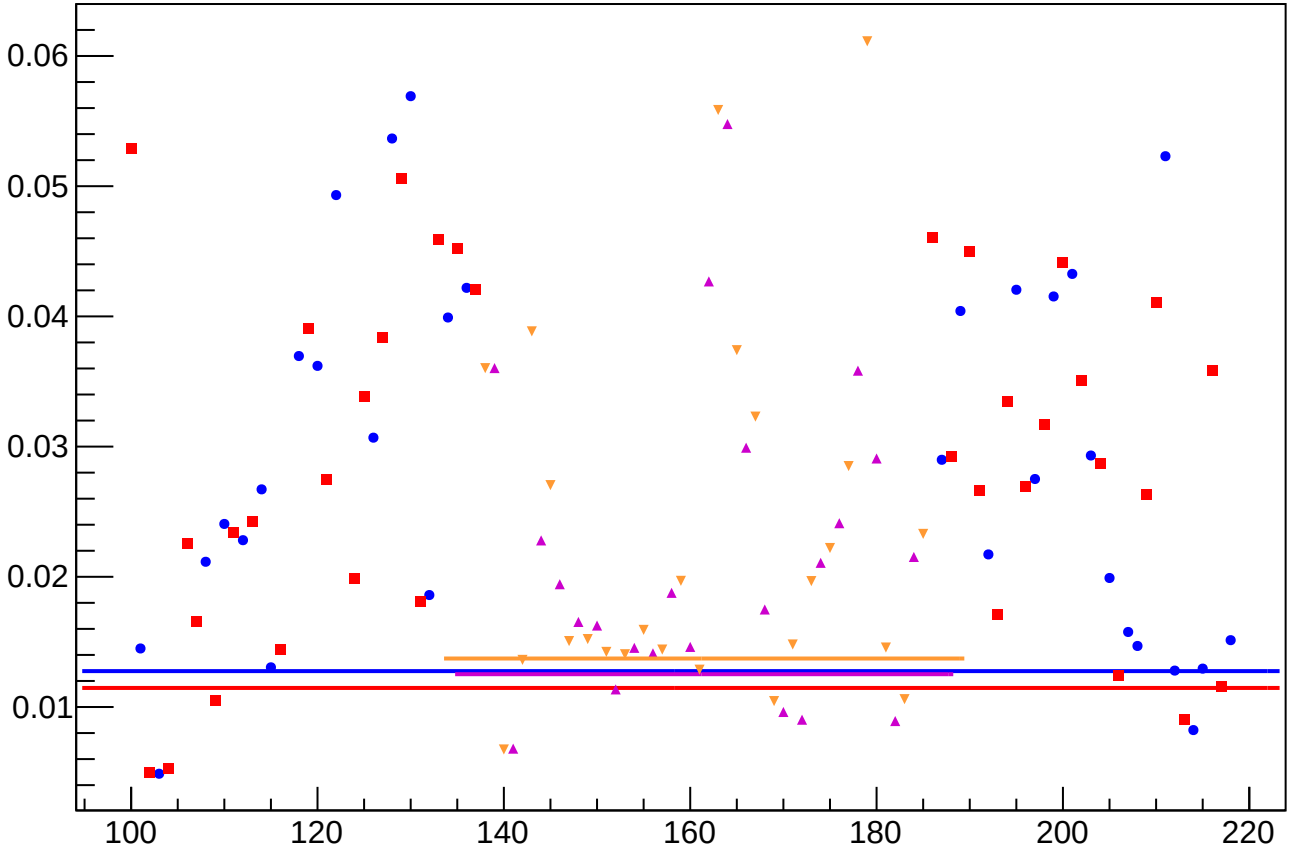
Left In: 0.000+/-0.000 χ^2/NDF:30.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 83.9/56

All: -0.000+/-0.000 χ^2/NDF: 180.6/115

- sign -0.000+/-0.000 χ^2/NDF: 90.1/58

asym_atr2_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF: 13762169.7/31

Left Out: 0.014+/-0.000 χ^2/NDF:7717157.8/24

Right Out: 0.011+/-0.000 χ^2/NDF: 16292998.5/35

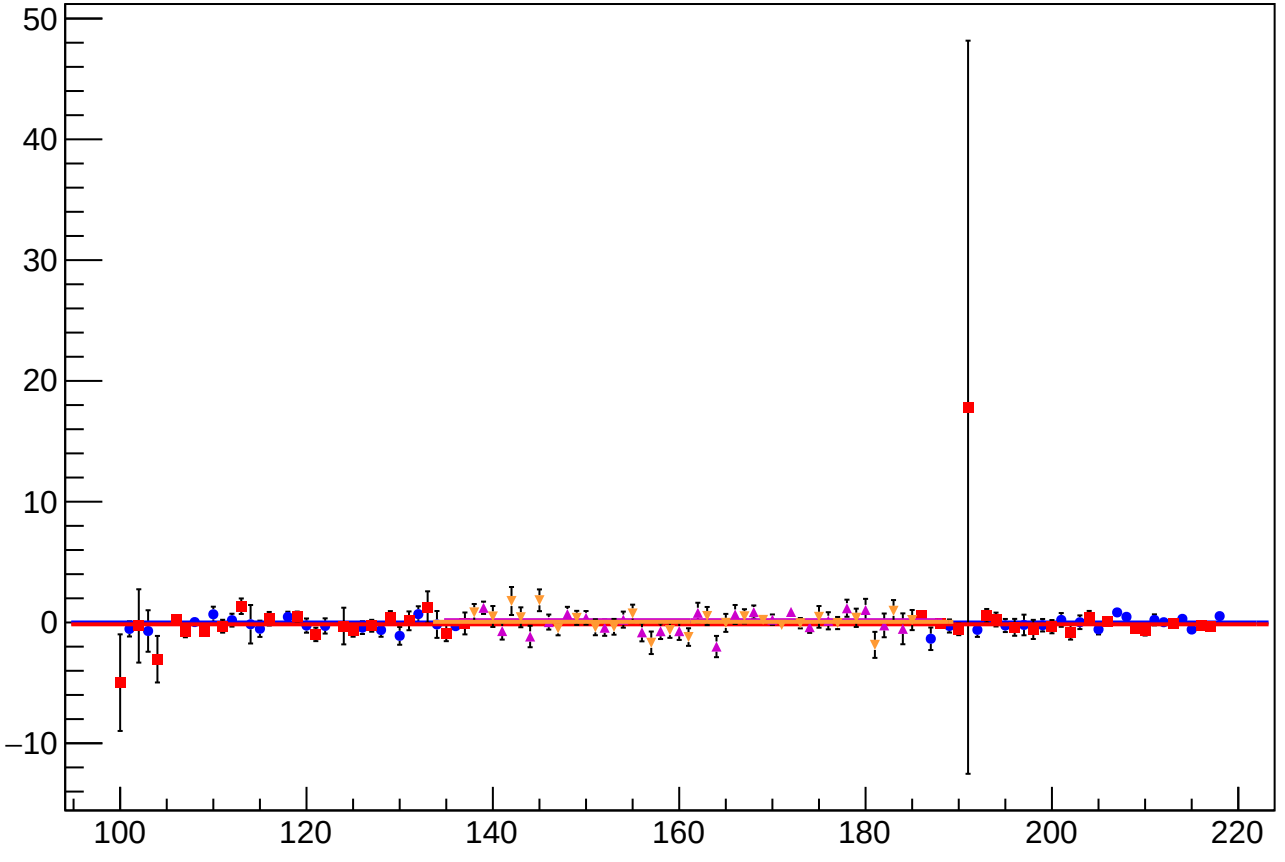
Left In: 0.013+/-0.000 χ^2/NDF:7121524.7/22

+ sign 0.013+/-0.000 χ^2/NDF: 21550153.3/56

All: 0.013+/-0.000 χ^2/NDF: 45327379.6/115

- sign 0.012+/-0.000 χ^2/NDF: 23512144.9/58

asym_atr2_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.001+/-0.088 χ^2/NDF: 30.9/31

Left Out: 0.054+/-0.130 χ^2/NDF:24.7/24

Right Out: -0.152+/-0.081 χ^2/NDF: 37.2/35

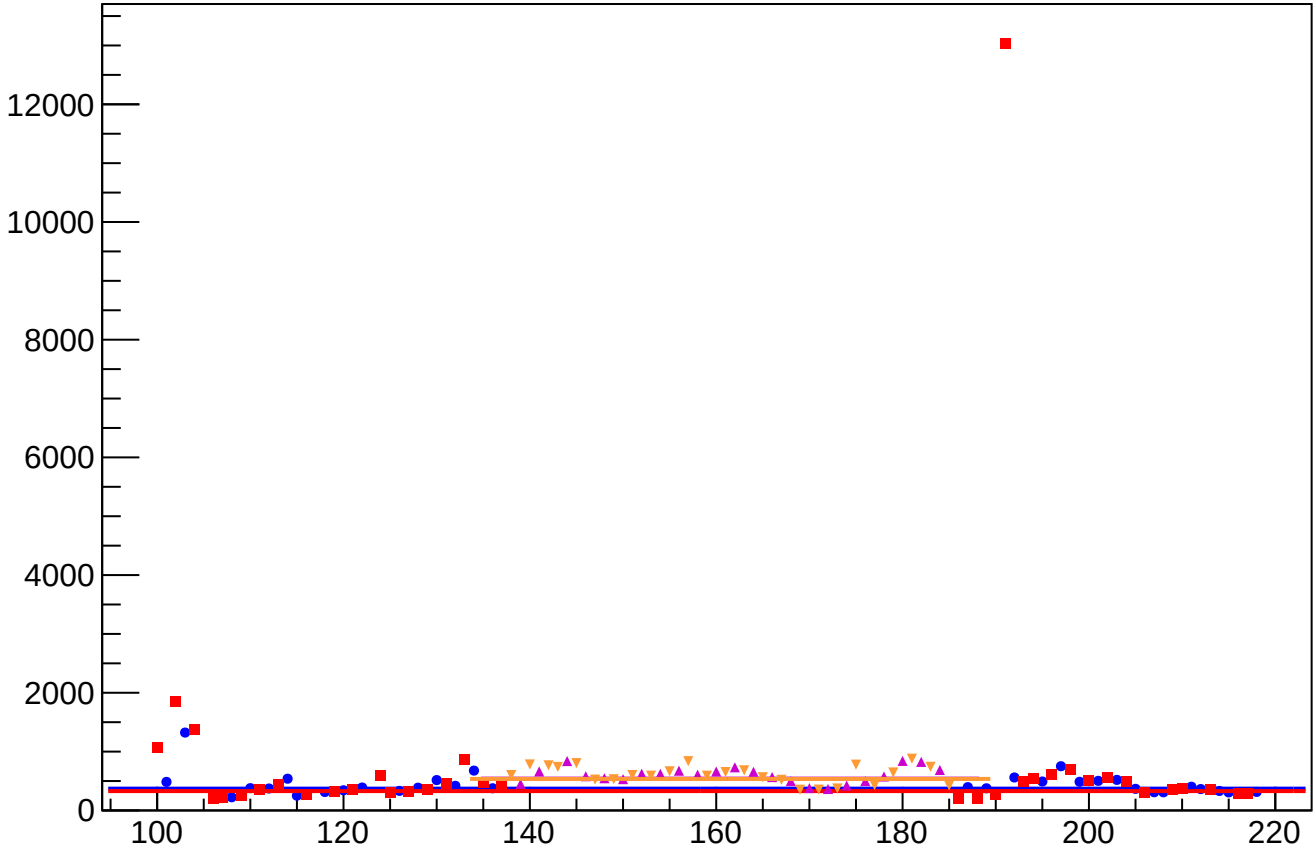
Left In: 0.191+/-0.133 χ^2/NDF:31.1/22

+ sign 0.016+/-0.073 χ^2/NDF: 55.7/56

All: -0.024+/-0.050 χ^2/NDF: 129.5/115

- sign -0.060+/-0.069 χ^2/NDF: 73.2/58

asym_atr2_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 370.782+/-0.062 χ^2/NDF: 2747134.5/31

Left Out: 535.948+/-0.092 χ^2/NDF:2749816.2/24

Right Out: 328.880+/-0.057 χ^2/NDF: 5584280.1/35

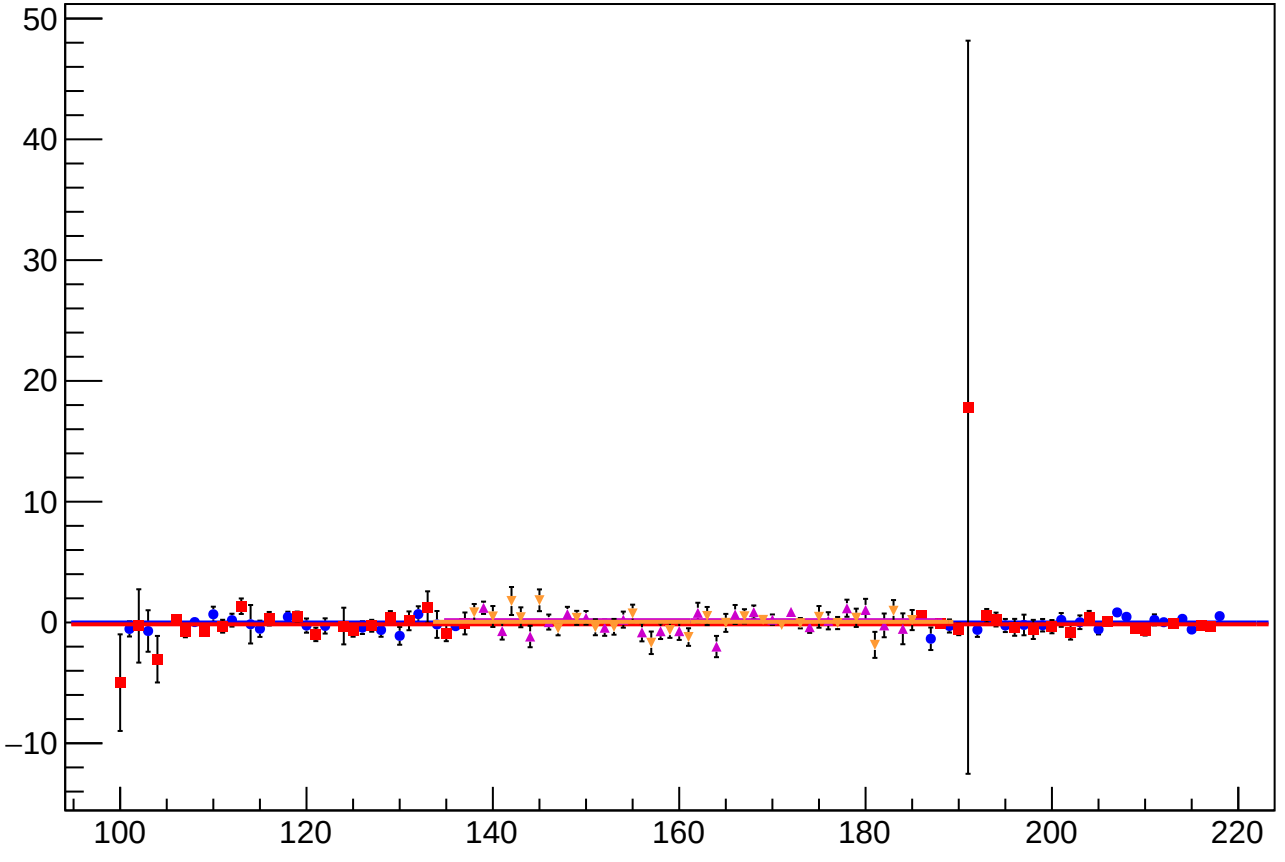
Left In: 540.809+/-0.094 χ^2/NDF:1905035.9/22

+ sign 422.568+/-0.051 χ^2/NDF: 7730188.9/56

All: 403.272+/-0.035 χ^2/NDF: 19195995.8/11

- sign 385.802+/-0.049 χ^2/NDF: 11195982.2/58

asym_atr2_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.001+/-0.088 χ^2/NDF: 30.9/31

Left Out: 0.054+/-0.130 χ^2/NDF:24.7/24

Right Out: -0.152+/-0.081 χ^2/NDF: 37.2/35

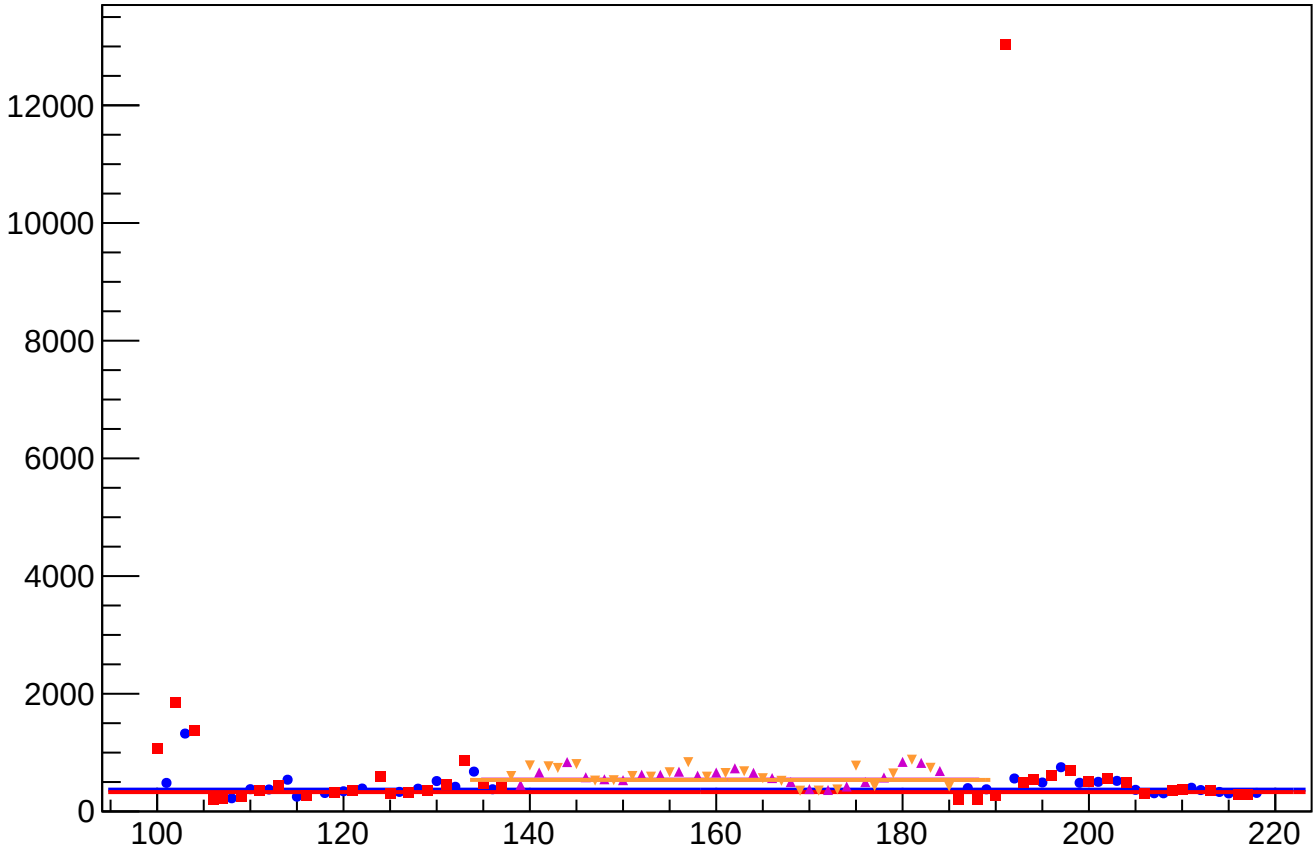
Left In: 0.191+/-0.133 χ^2/NDF:31.1/22

+ sign 0.016+/-0.073 χ^2/NDF: 55.7/56

All: -0.024+/-0.050 χ^2/NDF: 129.5/115

- sign -0.060+/-0.069 χ^2/NDF: 73.2/58

asym_atr2_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 370.782+/-0.062 χ^2/NDF: 2747134.5/31

Left Out: 535.948+/-0.092 χ^2/NDF:2749816.2/24

Right Out: 328.880+/-0.057 χ^2/NDF: 5584280.1/35

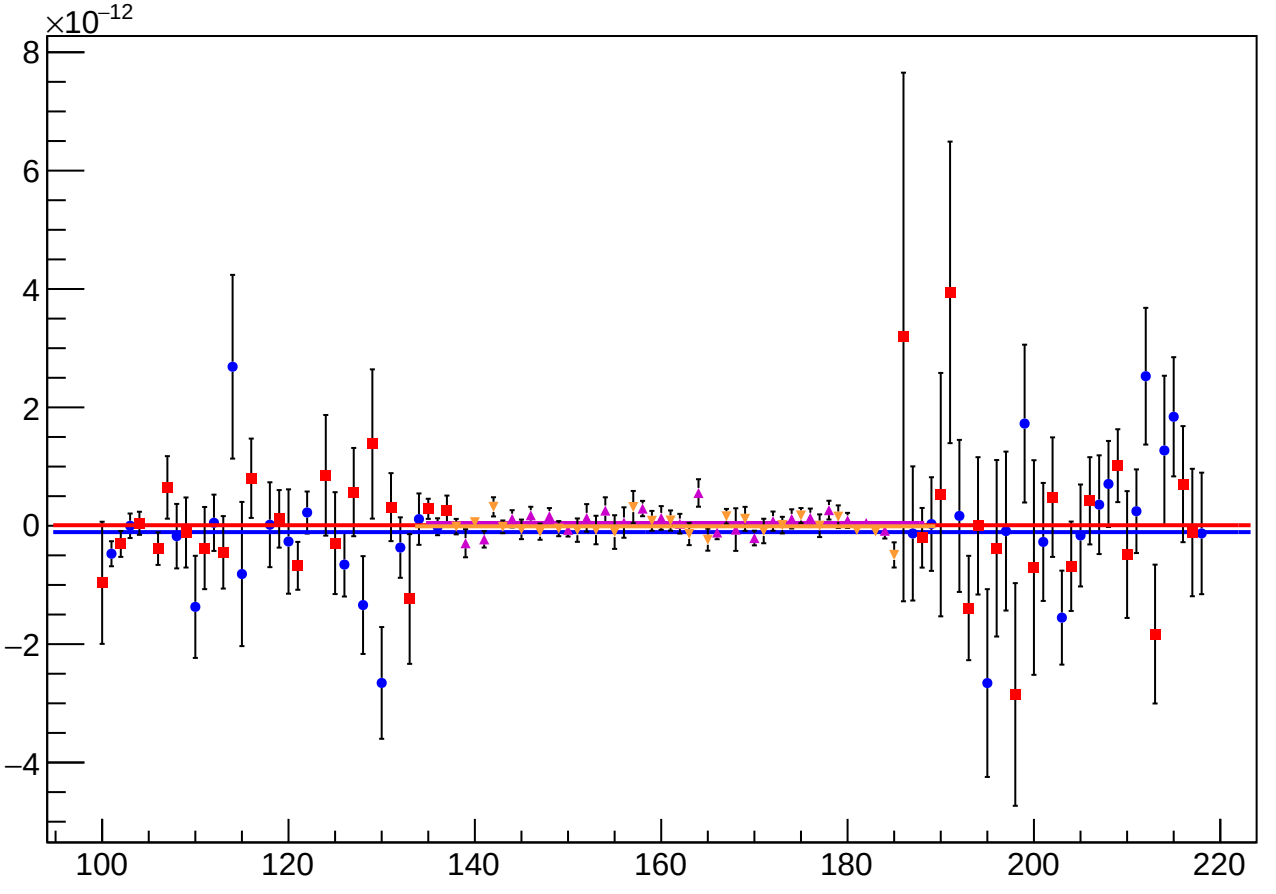
Left In: 540.809+/-0.094 χ^2/NDF:1905035.9/22

+ sign 422.568+/-0.051 χ^2/NDF: 7730188.9/56

All: 403.272+/-0.035 χ^2/NDF: 19195995.8/11

- sign 385.802+/-0.049 χ^2/NDF: 11195982.2/58

asym_atr2_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 41.3/31

Left Out: -0.000+/-0.000 χ^2/NDF:22.1/24

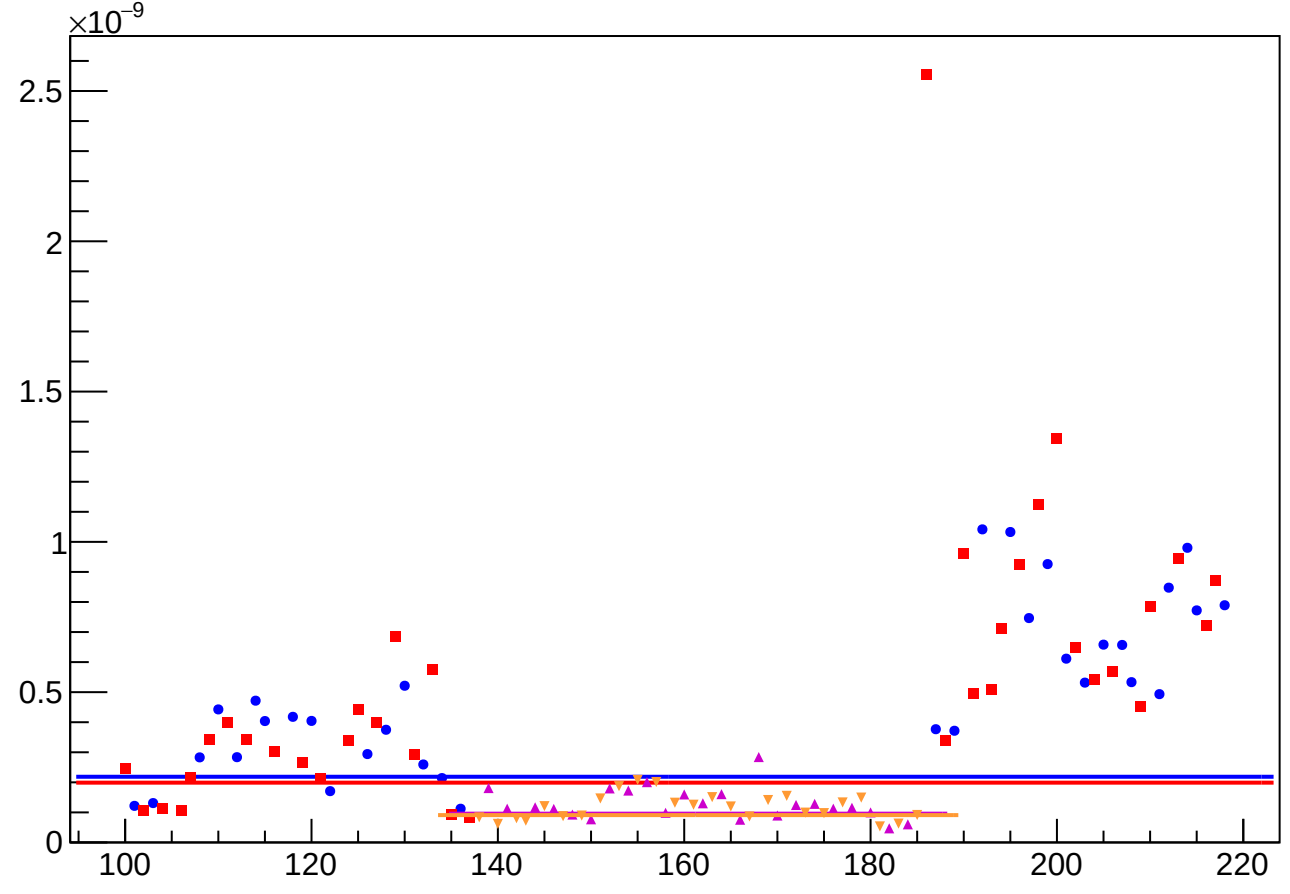
Right Out: 0.000+/-0.000 χ^2/NDF: 34.9/35

Left In: 0.000+/-0.000 χ^2/NDF:28.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 64.7/56

All: 0.000+/-0.000 χ^2/NDF: 130.6/115

- sign 0.000+/-0.000 χ^2/NDF: 63.2/58



Right In: 0.000+/-0.000 χ^2/NDF: 10047605.7/31

Left Out: 0.000+/-0.000 χ^2/NDF:3367730.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 11377174.6/35

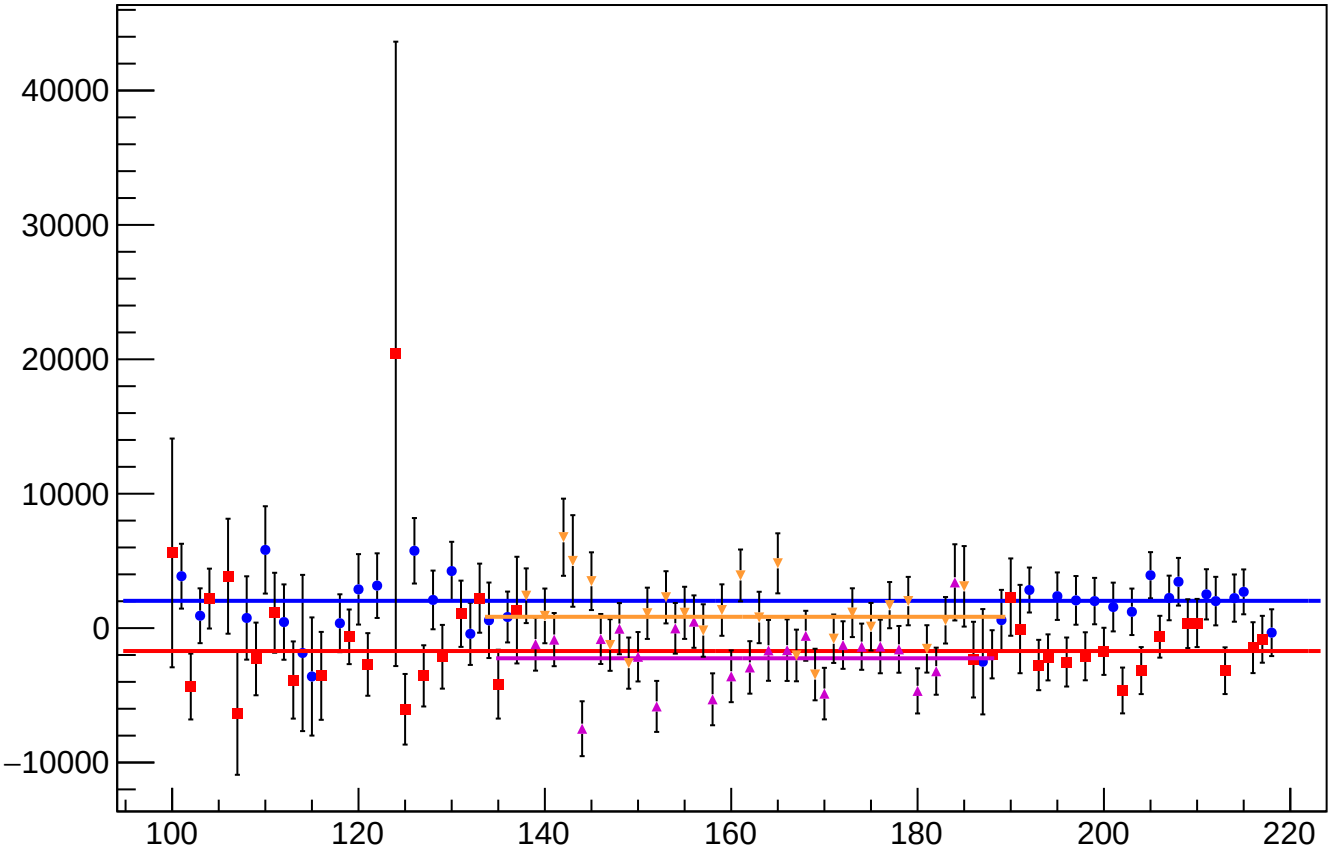
Left In: 0.000+/-0.000 χ^2/NDF:3905784.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 17756399.3/56

All: 0.000+/-0.000 χ^2/NDF: 36088290.3/115

- sign 0.000+/-0.000 χ^2/NDF: 18306059.8/58

reg_asym_atl_avg_mean vs Slug



Right In: 2029.736+/-368.097 χ^2/NDF: 17.2/31

Left Out: 841.572+/-394.444 χ^2/NDF:30.4/24

Right Out: -1705.146+/-370.668 χ^2/NDF: 30.0/35

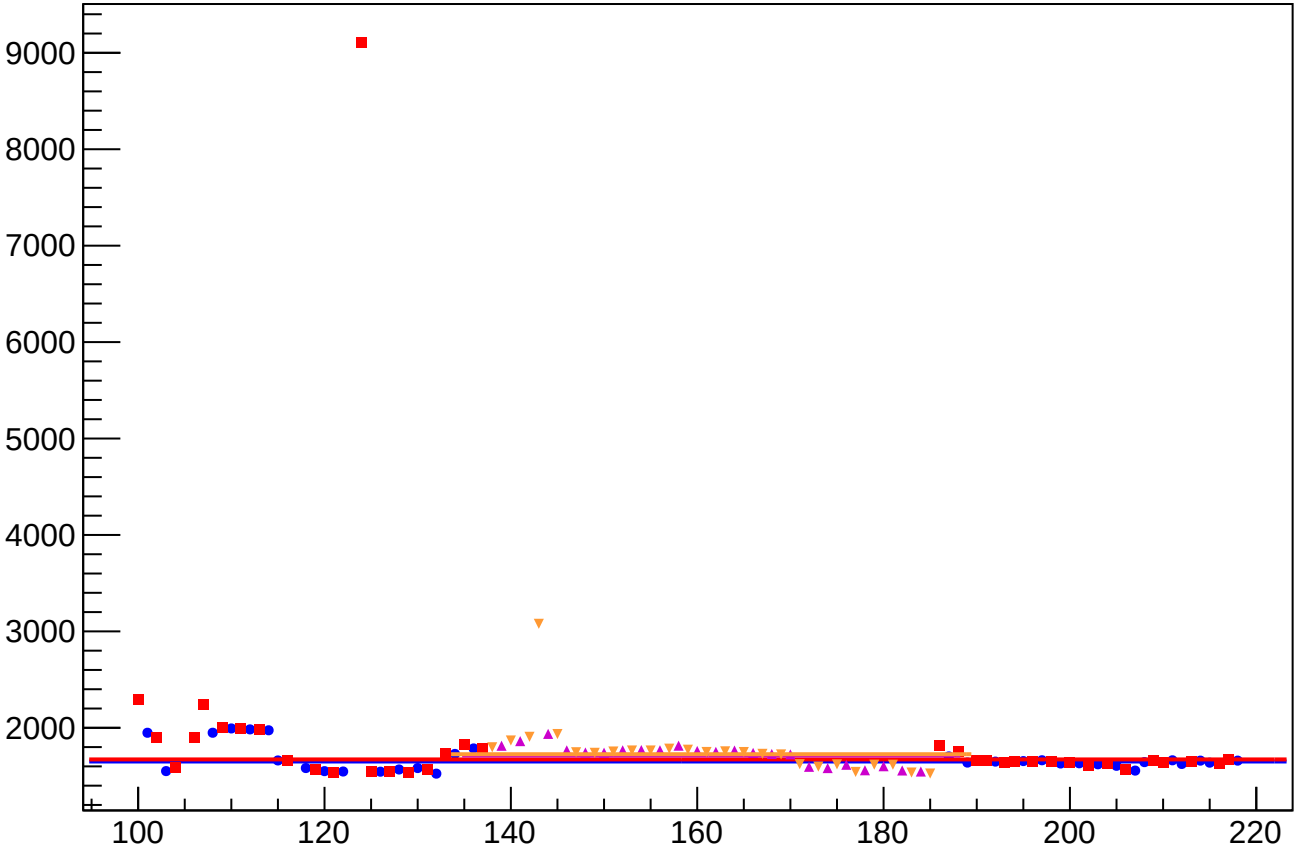
Left In: -2245.041+/-400.753 χ^2/NDF:29.4/22

+ sign 1476.658+/-269.117 χ^2/NDF: 52.4/56

All: -219.689+/-191.346 χ^2/NDF: 193.2/115

- sign -1954.070+/-272.117 χ^2/NDF: 60.4/58

reg_asym_atl_avg_rms vs Slug



Right In: 1650.685+/-0.260 χ^2/NDF: 155575.3/31

Left Out: 1726.058+/-0.279 χ^2/NDF:454930.8/24

Right Out: 1672.148+/-0.262 χ^2/NDF: 420341.1/35

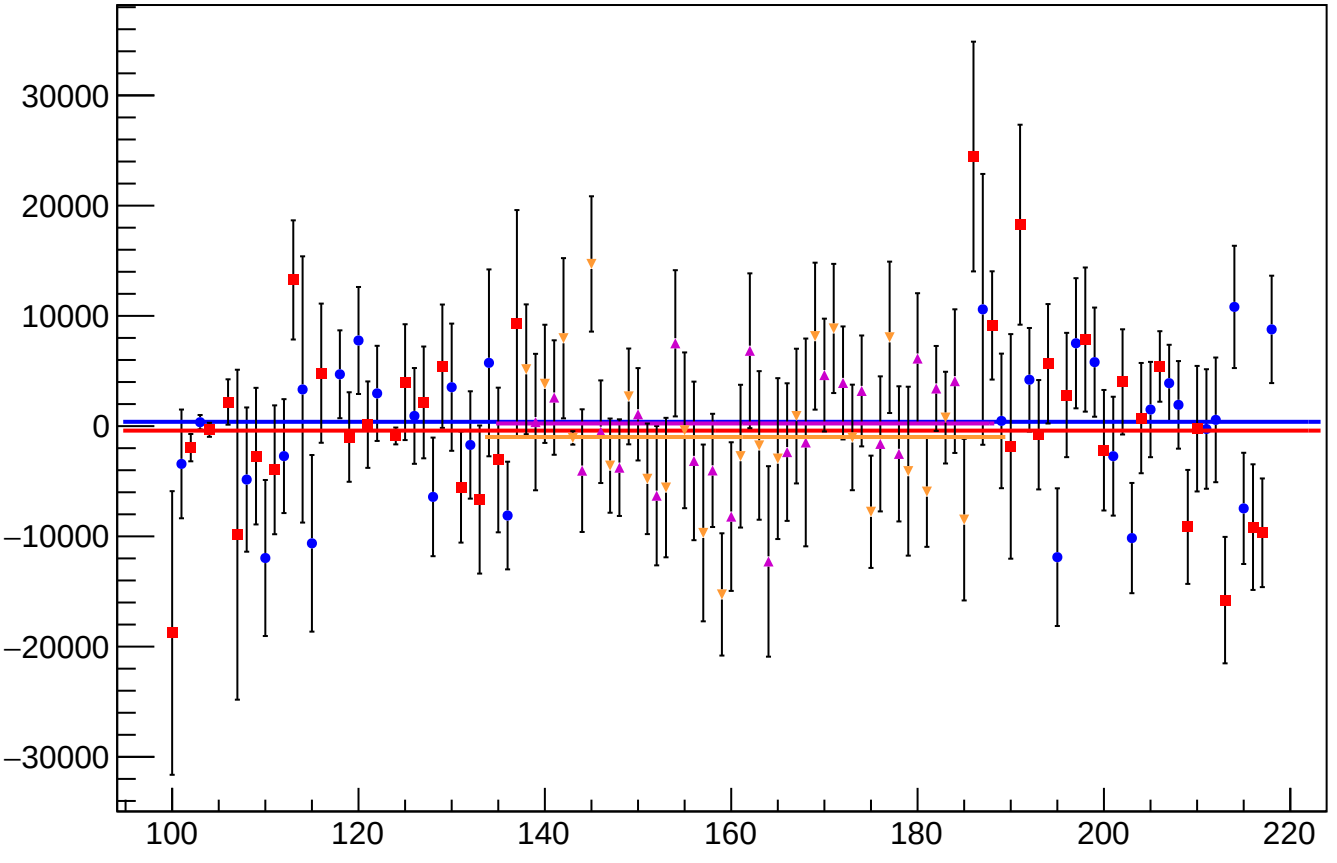
Left In: 1713.156+/-0.283 χ^2/NDF:129290.6/22

+ sign 1685.771+/-0.190 χ^2/NDF: 649540.3/56

All: 1688.370+/-0.135 χ^2/NDF: 1210851.6/11

- sign 1691.023+/-0.192 χ^2/NDF: 560934.3/58

asym_atl_avg_reg_correction_mean vs Slug



Right In: 391.341+/-535.737 χ^2/NDF: 38.8/31

Left Out: -987.621+/-541.250 χ^2/NDF:30.8/24

Right Out: -406.923+/-403.903 χ^2/NDF: 55.8/35

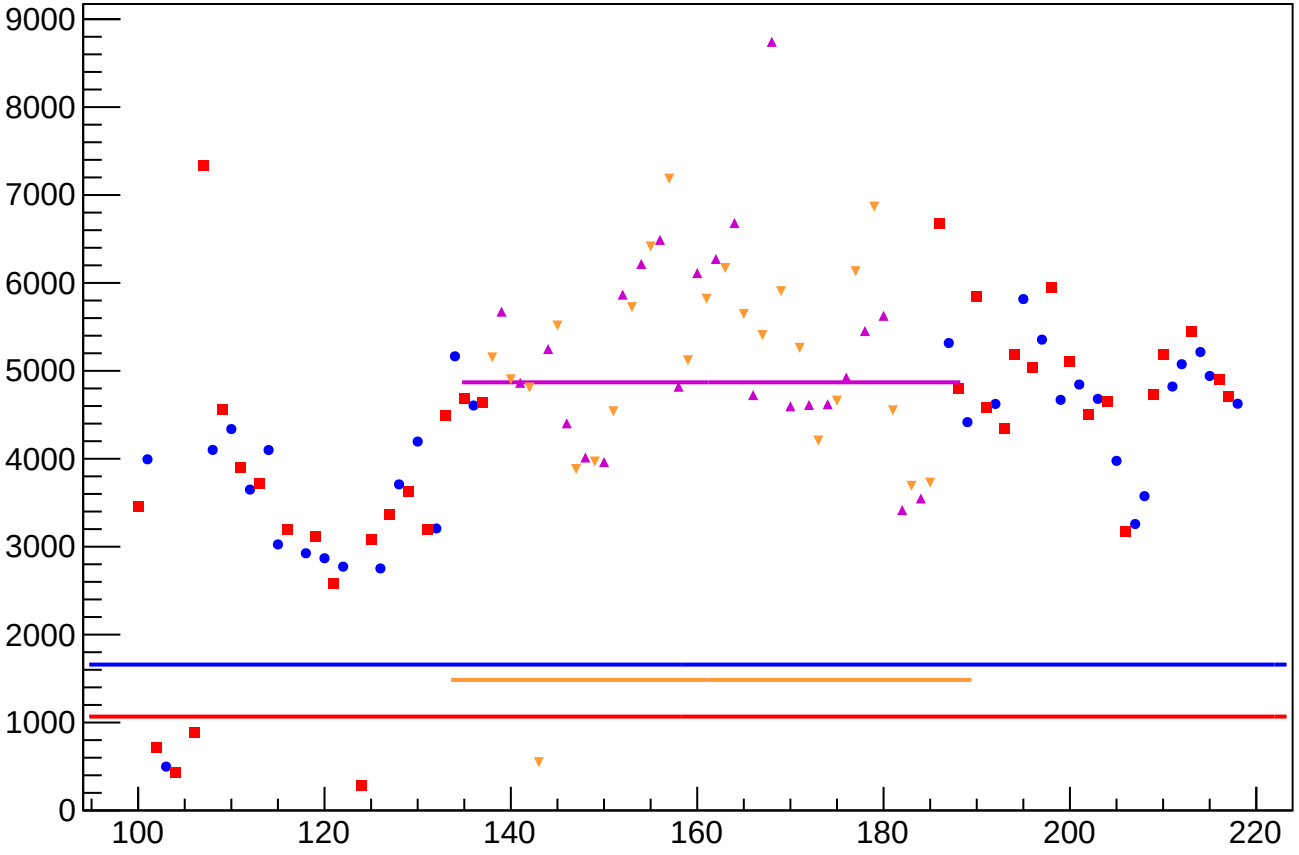
Left In: 239.582+/-1165.046 χ^2/NDF:13.5/22

\+ sign -291.081+/-380.757 χ^2/NDF: 72.9/56

All: -314.266+/-269.541 χ^2/NDF: 142.5/115

\- sign -337.557+/-381.620 χ^2/NDF: 69.6/58

asym_atl_avg_reg_correction_rms vs Slug



Right In: 1659.140+/-0.379 χ^2/NDF: 20785161.6/31

Left Out: 1484.563+/-0.383 χ^2/NDF:23224946.4/24

Right Out: 1067.661+/-0.286 χ^2/NDF: 26077931.8/35

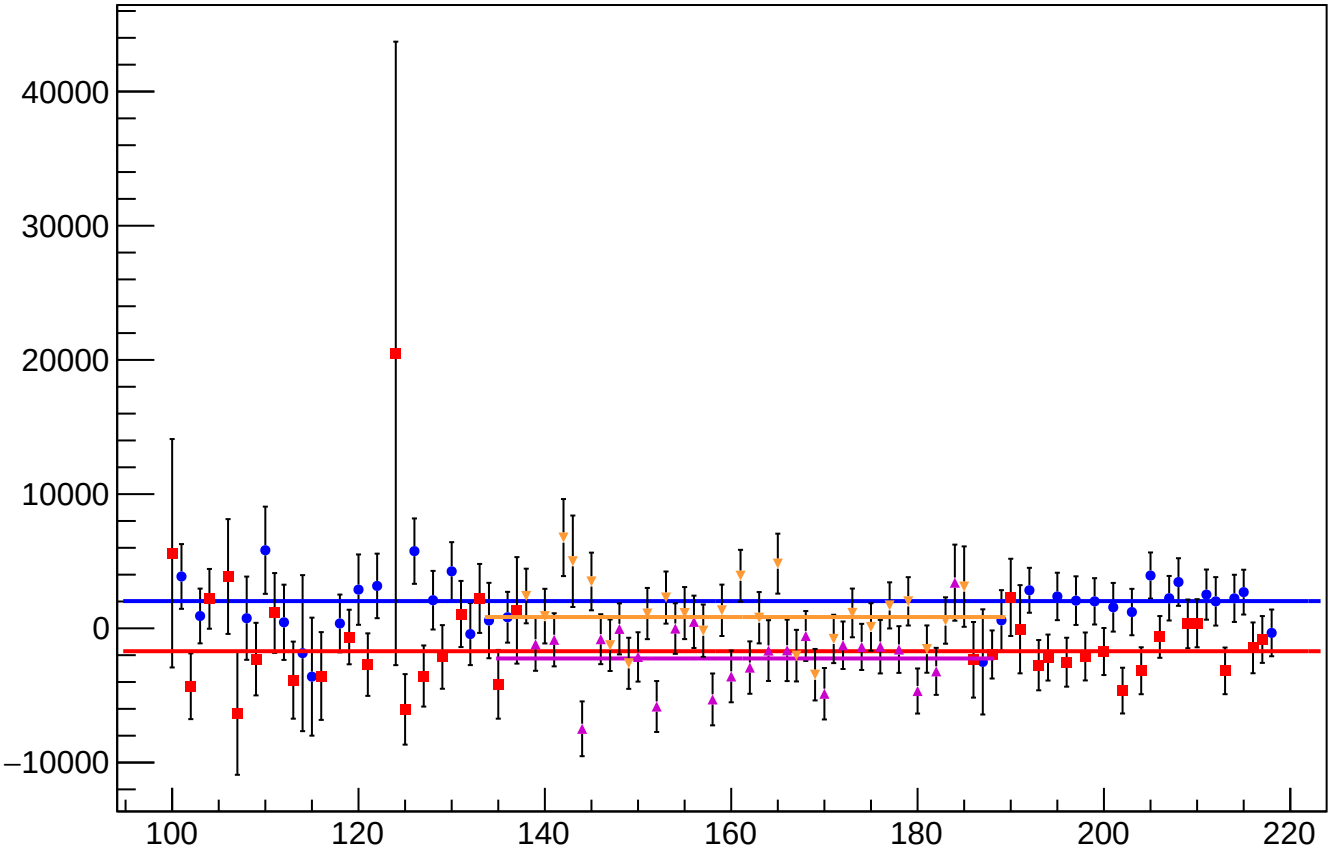
Left In: 4869.707+/-0.824 χ^2/NDF:1474225.9/22

+ sign 1572.745+/-0.269 χ^2/NDF: 44115207.8/56

All: 1524.281+/-0.191 χ^2/NDF: 90746894.7/1

- sign 1475.598+/-0.270 χ^2/NDF: 46566737.0/58

cor_asym_atl_avg_mean vs Slug



Right In: 2029.776+/-368.097 χ^2/NDF: 17.2/31

Left Out: 841.564+/-394.444 χ^2/NDF:30.4/24

Right Out: -1704.323+/-370.669 χ^2/NDF: 30.0/35

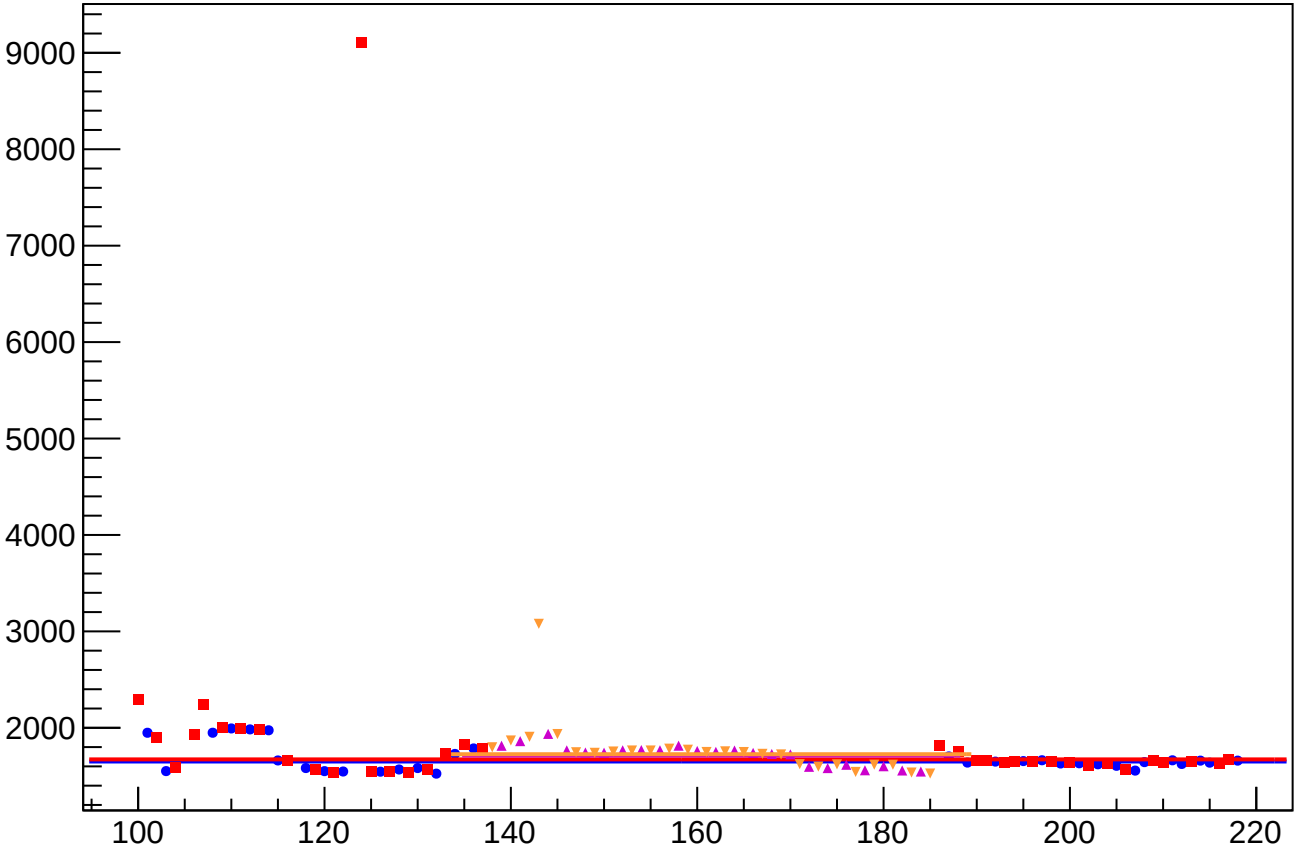
Left In: -2245.061+/-400.753 χ^2/NDF:29.4/22

+ sign 1476.676+/-269.117 χ^2/NDF: 52.4/56

All: -219.463+/-191.346 χ^2/NDF: 193.2/115

- sign -1953.636+/-272.117 χ^2/NDF: 60.4/58

cor_asym_atl_avg_rms vs Slug



Right In: 1650.685+/-0.260 χ^2/NDF: 155575.4/31

Left Out: 1726.058+/-0.279 χ^2/NDF:454930.8/24

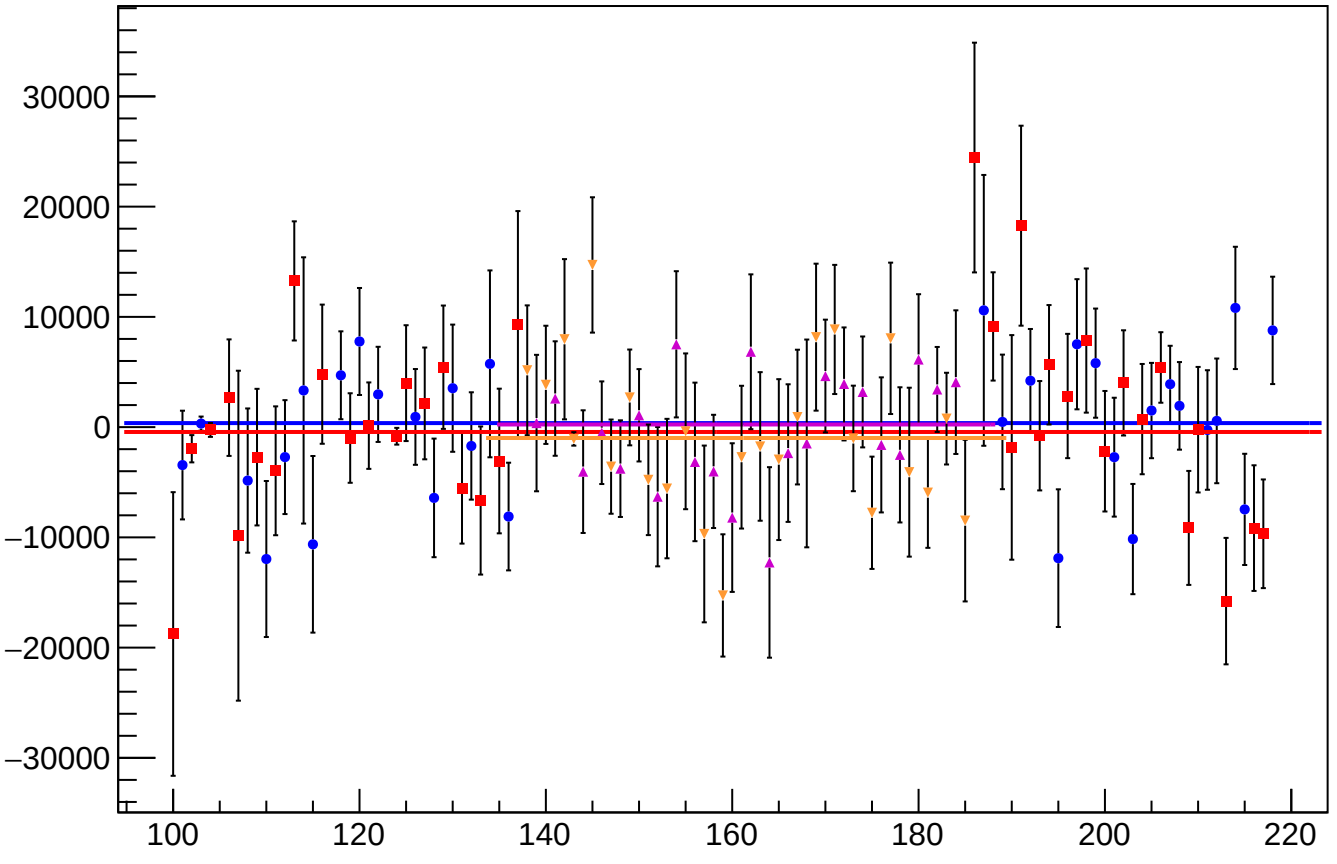
Right Out: 1672.412+/-0.262 χ^2/NDF: 422452.9/35

Left In: 1713.156+/-0.283 χ^2/NDF:129290.6/22

+ sign 1685.771+/-0.190 χ^2/NDF: 649540.4/56

All: 1688.442+/-0.135 χ^2/NDF: 1212837.8/11

- sign 1691.169+/-0.192 χ^2/NDF: 562899.2/58



Right In: 365.827+/-526.589 χ^2/NDF: 38.8/31

Left Out: -987.291+/-541.232 χ^2/NDF:30.8/24

Right Out: -440.480+/-408.912 χ^2/NDF: 54.5/35

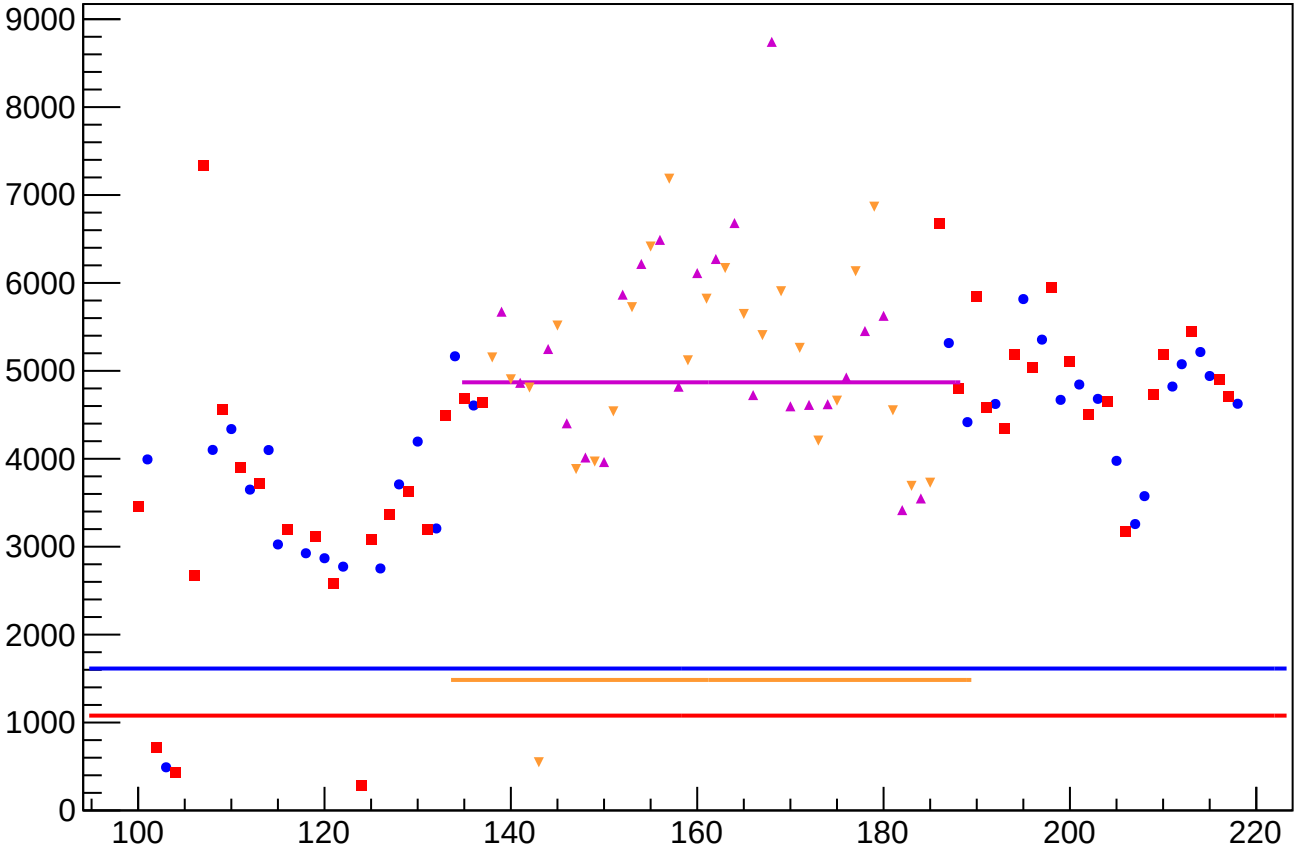
Left In: 239.478+/-1165.045 χ^2/NDF:13.5/22

\+ sign -292.180+/-377.425 χ^2/NDF: 72.8/56

All: -328.229+/-269.805 χ^2/NDF: 141.2/115

\- sign -365.903+/-385.837 χ^2/NDF: 68.4/58

asym_atl_avg_cor_correction_rms vs Slug



Right In: 1614.305+/-0.372 χ^2/NDF: 21192520.6/31

Left Out: 1484.485+/-0.383 χ^2/NDF:23225570.5/24

Right Out: 1078.709+/-0.289 χ^2/NDF: 26298007.1/35

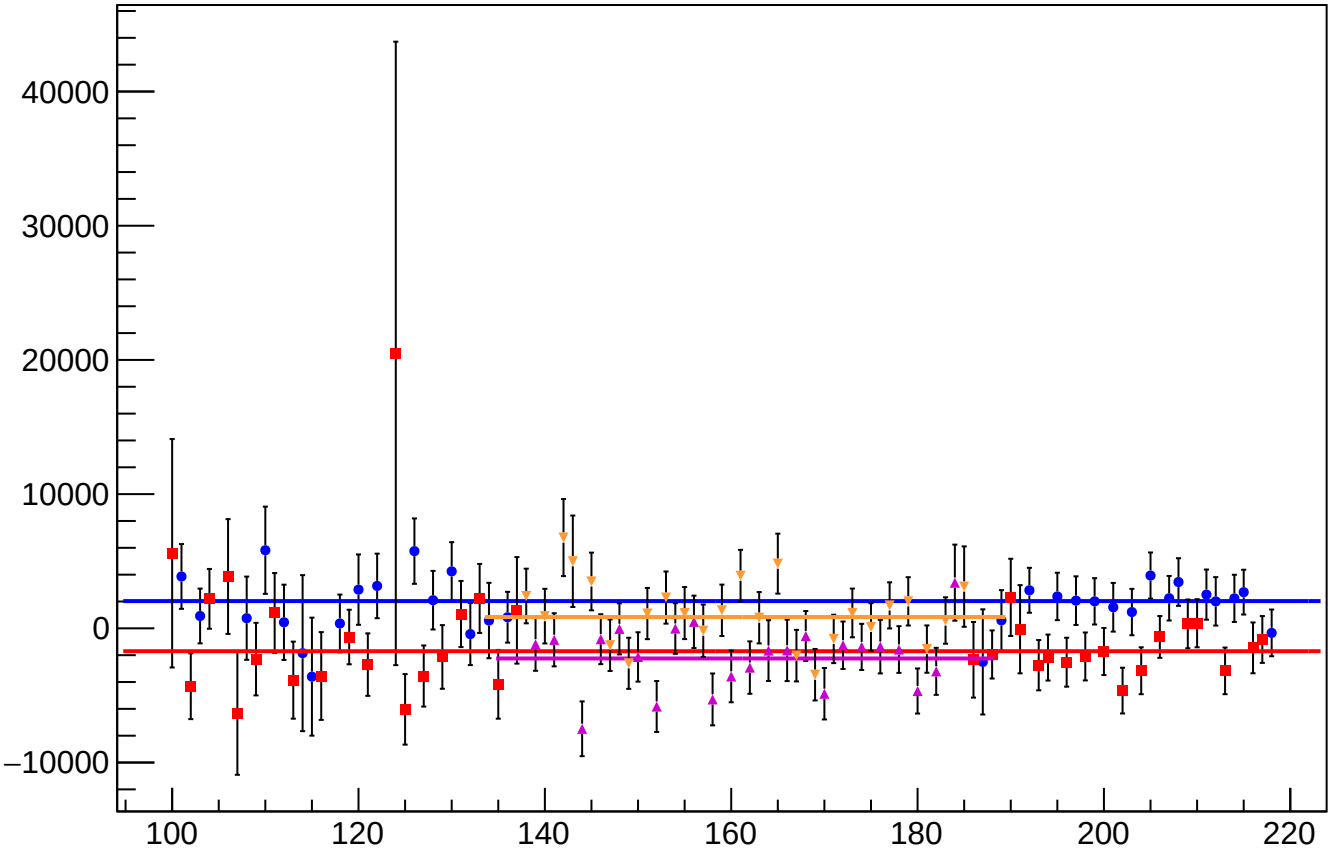
Left In: 4869.699+/-0.824 χ^2/NDF:1474252.6/22

+ sign 1551.175+/-0.267 χ^2/NDF: 44477202.3/56

All: 1523.462+/-0.191 χ^2/NDF: 91125224.3/1

- sign 1494.499+/-0.273 χ^2/NDF: 46625969.7/58

eigen_cor_asym_atl_avg_mean vs Slug



Right In: 2029.776+/-368.097 χ^2/NDF: 17.2/31

Left Out: 841.564+/-394.444 χ^2/NDF:30.4/24

Right Out: -1704.323+/-370.669 χ^2/NDF: 30.0/35

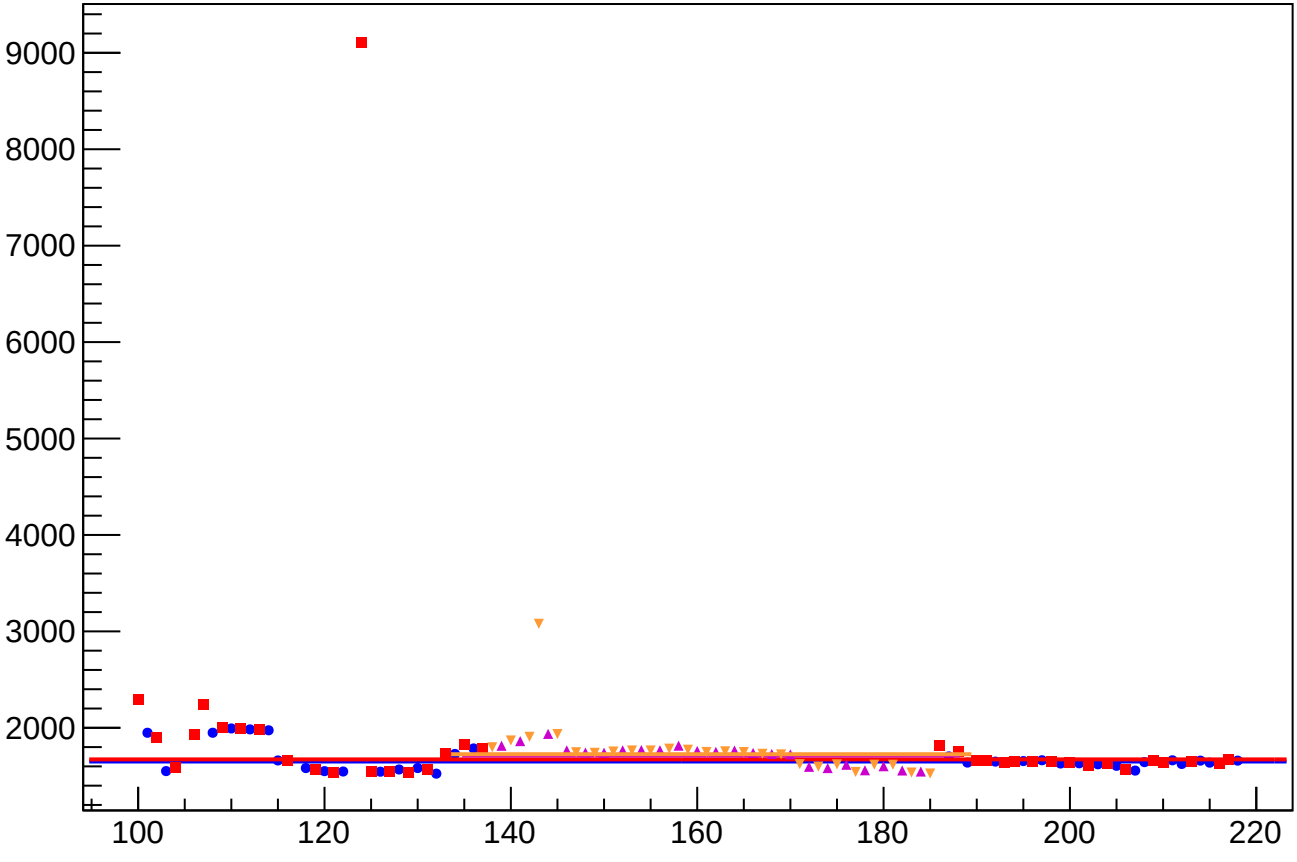
Left In: -2245.061+/-400.753 χ^2/NDF:29.4/22

+ sign 1476.676+/-269.117 χ^2/NDF: 52.4/56

All: -219.463+/-191.346 χ^2/NDF: 193.2/115

- sign -1953.636+/-272.117 χ^2/NDF: 60.4/58

eigen_cor_asym_atl_avg_rms vs Slug



Right In: 1650.685+/-0.260 χ^2/NDF: 155575.4/31

Left Out: 1726.058+/-0.279 χ^2/NDF:454930.8/24

Right Out: 1672.412+/-0.262 χ^2/NDF: 422452.9/35

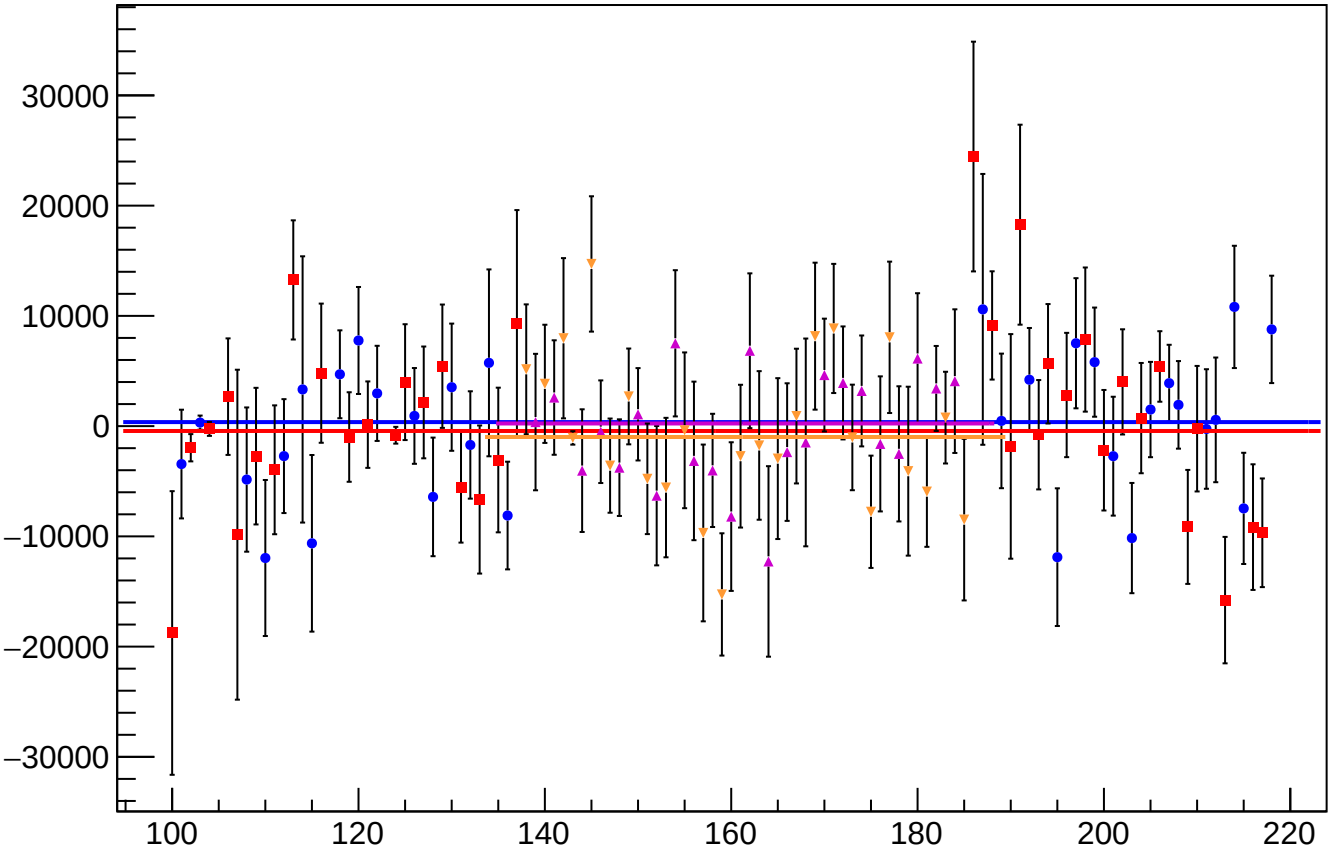
Left In: 1713.156+/-0.283 χ^2/NDF:129290.6/22

+ sign 1685.771+/-0.190 χ^2/NDF: 649540.4/56

All: 1688.442+/-0.135 χ^2/NDF: 1212837.8/11

- sign 1691.169+/-0.192 χ^2/NDF: 562899.2/58

asym_atl_avg_eigen_cor_correction_mean vs Slug



Right In: 365.827+/-526.589 χ^2/NDF: 38.8/31

Left Out: -987.291+/-541.232 χ^2/NDF:30.8/24

Right Out: -440.480+/-408.912 χ^2/NDF: 54.5/35

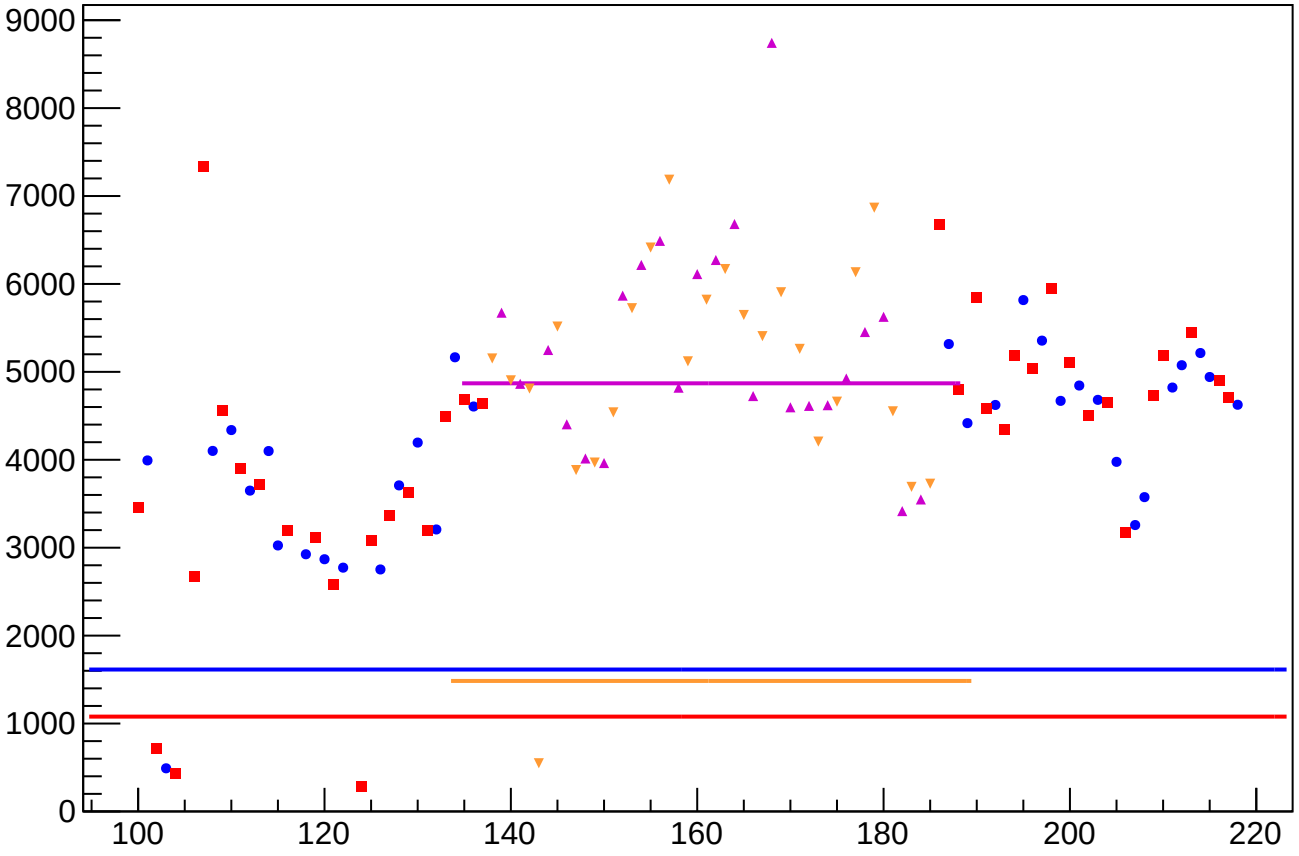
Left In: 239.478+/-1165.045 χ^2/NDF:13.5/22

+ sign -292.180+/-377.425 χ^2/NDF: 72.8/56

All: -328.229+/-269.805 χ^2/NDF: 141.2/115

- sign -365.903+/-385.837 χ^2/NDF: 68.4/58

asym_atl_avg_eigen_cor_correction_rms vs Slug



Right In: 1614.305+/-0.372 χ^2/NDF: 21192520.6/31

Left Out: 1484.485+/-0.383 χ^2/NDF:23225570.5/24

Right Out: 1078.709+/-0.289 χ^2/NDF: 26298007.1/35

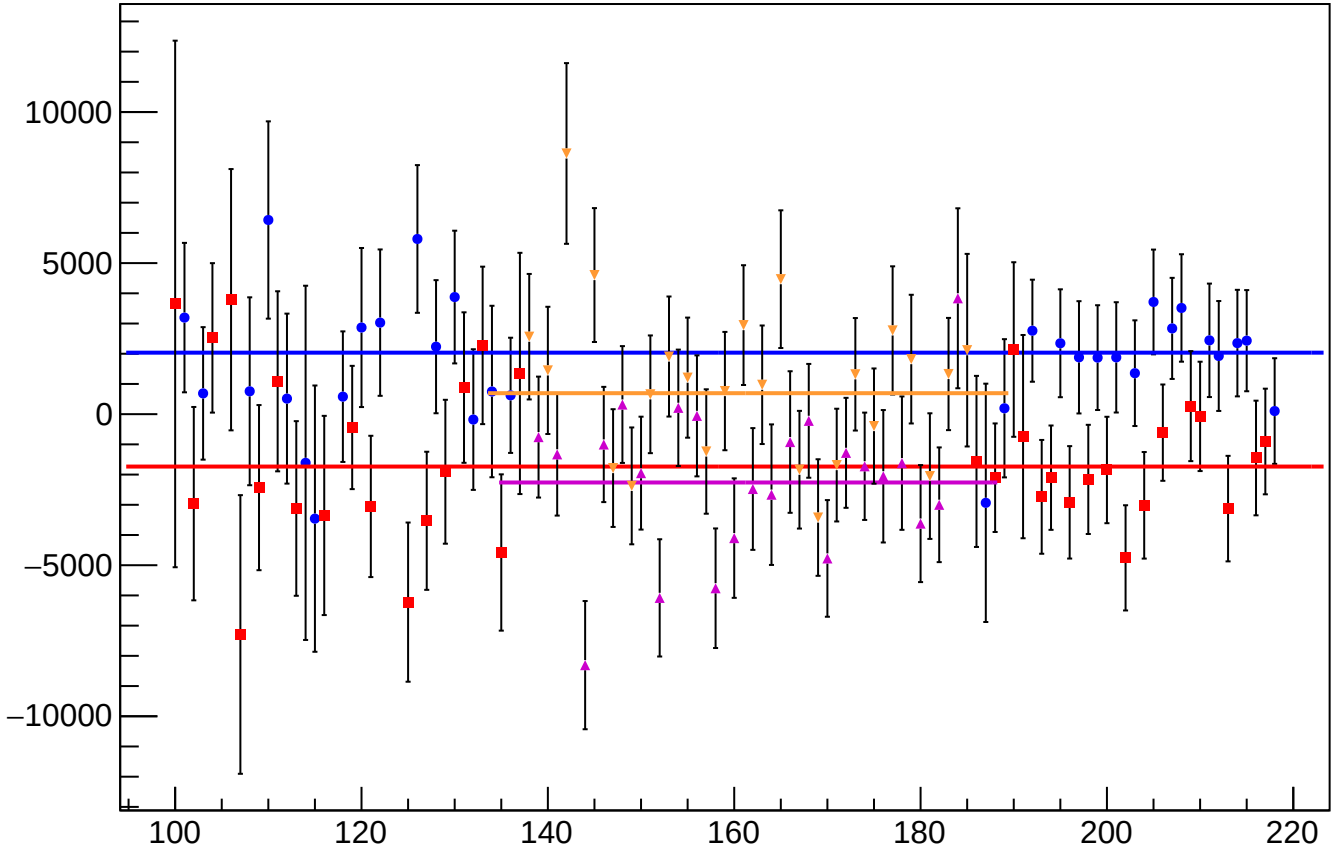
Left In: 4869.699+/-0.824 χ^2/NDF:1474252.6/22

+ sign 1551.175+/-0.267 χ^2/NDF: 44477202.3/56

All: 1523.462+/-0.191 χ^2/NDF: 91125224.3/1

- sign 1494.499+/-0.273 χ^2/NDF: 46625969.7/58

dit_asym_atl_avg_mean vs Slug



Right In: 2035.668+/-371.782 χ^2/NDF: 16.1/31

Left Out: 694.317+/-418.051 χ^2/NDF:32.2/23

Right Out: -1734.336+/-376.613 χ^2/NDF: 27.2/34

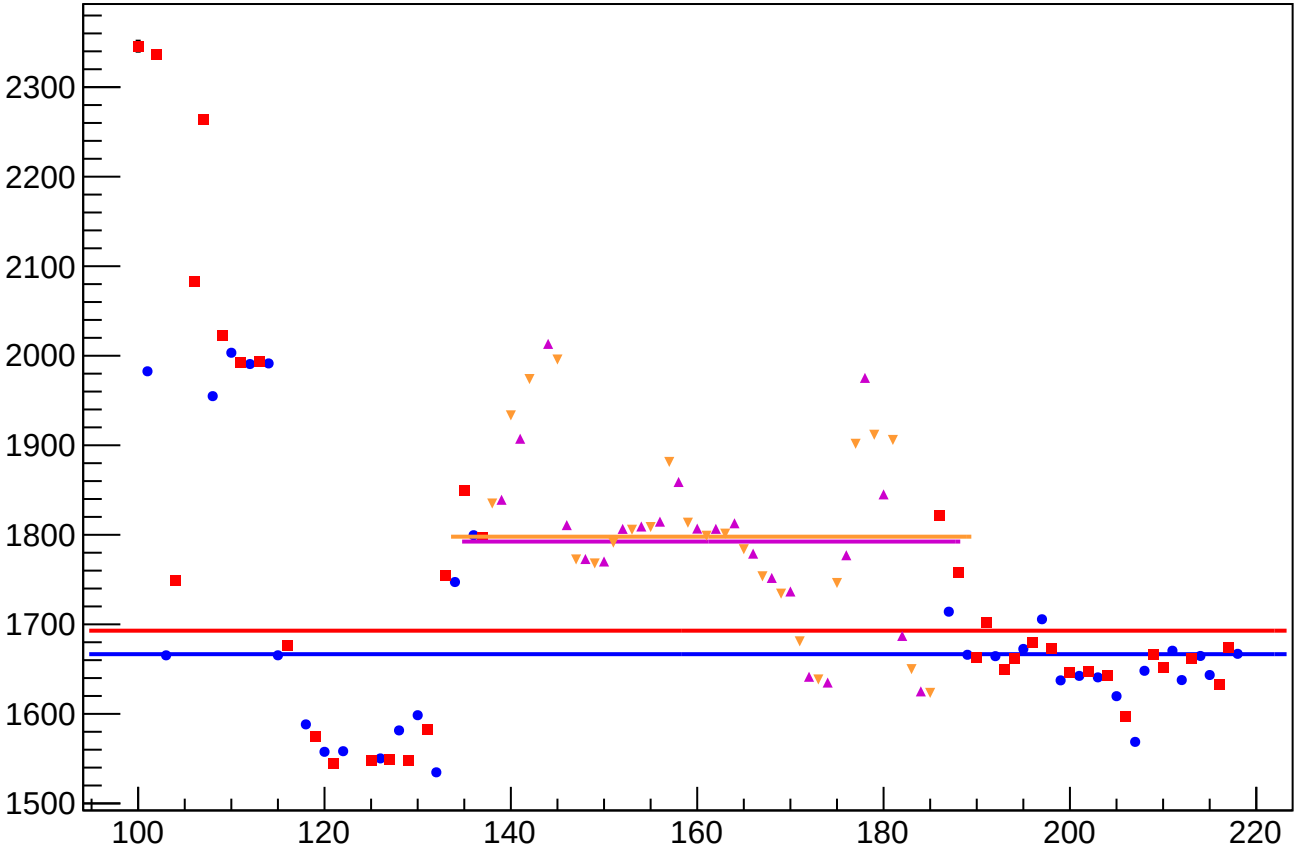
Left In: -2261.767+/-419.177 χ^2/NDF:30.4/22

+ sign 1443.300+/-277.814 χ^2/NDF: 54.1/55

All: -249.025+/-197.264 χ^2/NDF: 187.4/113

- sign -1969.922+/-280.149 χ^2/NDF: 58.5/57

dit_asym_atl_avg_rms vs Slug



Right In: 1666.685+/-0.263 χ^2/NDF: 153015.9/31

Left Out: 1797.909+/-0.296 χ^2/NDF:98002.1/23

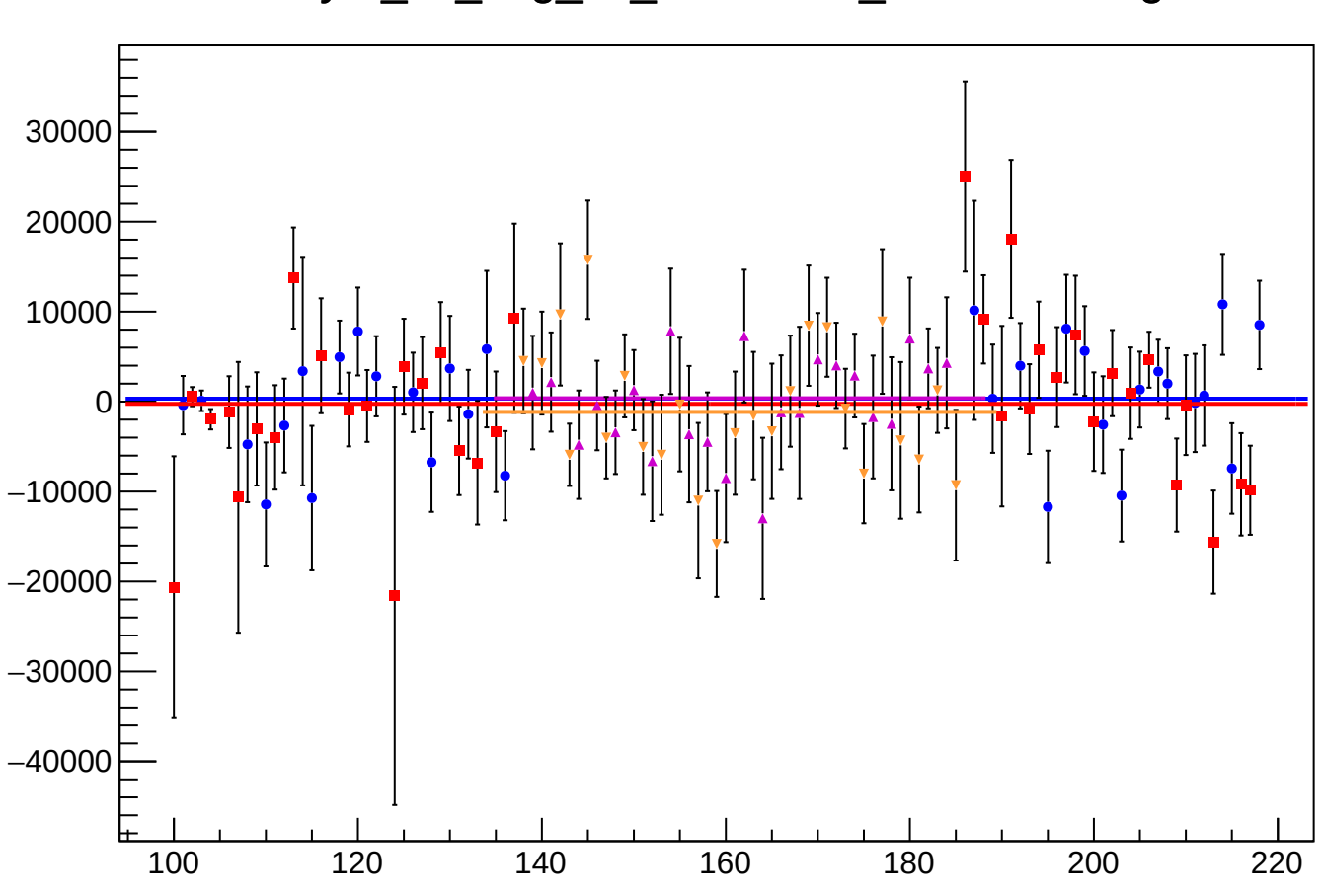
Right Out: 1692.920+/-0.266 χ^2/NDF: 289145.4/34

Left In: 1792.450+/-0.296 χ^2/NDF:92875.2/22

+ sign 1724.636+/-0.196 χ^2/NDF: 361053.1/55

All: 1730.938+/-0.139 χ^2/NDF: 807581.7/113

- sign 1737.341+/-0.198 χ^2/NDF: 444454.1/57



Right In: 330.350+/-715.542 χ^2/NDF: 37.5/31

Left Out: -1144.405+/-1164.458 χ^2/NDF:32.6/24

Right Out: -246.719+/-601.562 χ^2/NDF: 54.9/35

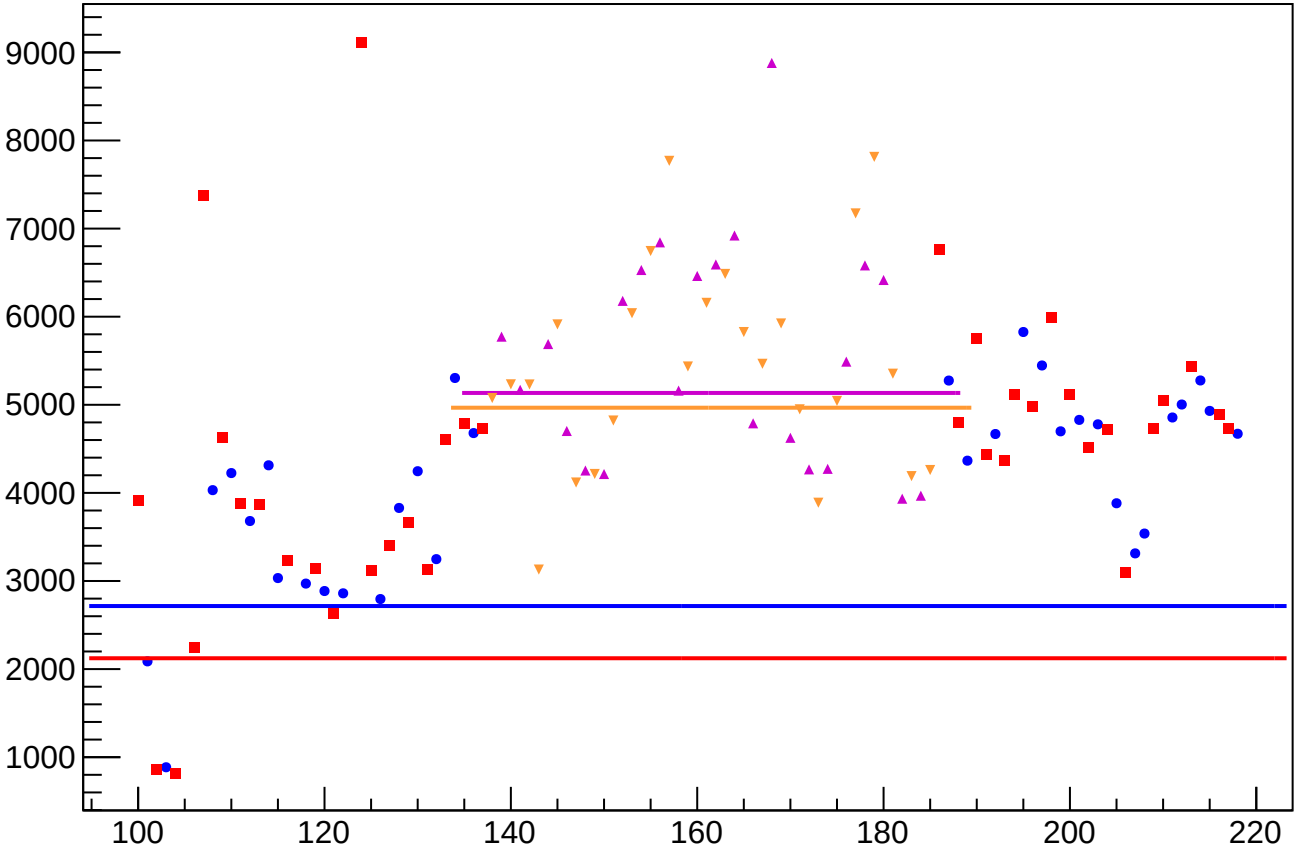
Left In: 374.927+/-1228.699 χ^2/NDF:13.3/22

+ sign -73.874+/-609.642 χ^2/NDF: 71.2/56

All: -103.362+/-404.346 χ^2/NDF: 139.7/115

- sign -126.522+/-540.284 χ^2/NDF: 68.4/58

asym_atl_avg_dit_correction_rms vs Slug



Right In: 2715.672+/-0.506 χ^2/NDF: 10750205.2/31

Left Out: 4966.879+/-0.823 χ^2/NDF:1917937.7/24

Right Out: 2123.087+/-0.425 χ^2/NDF: 16223157.2/35

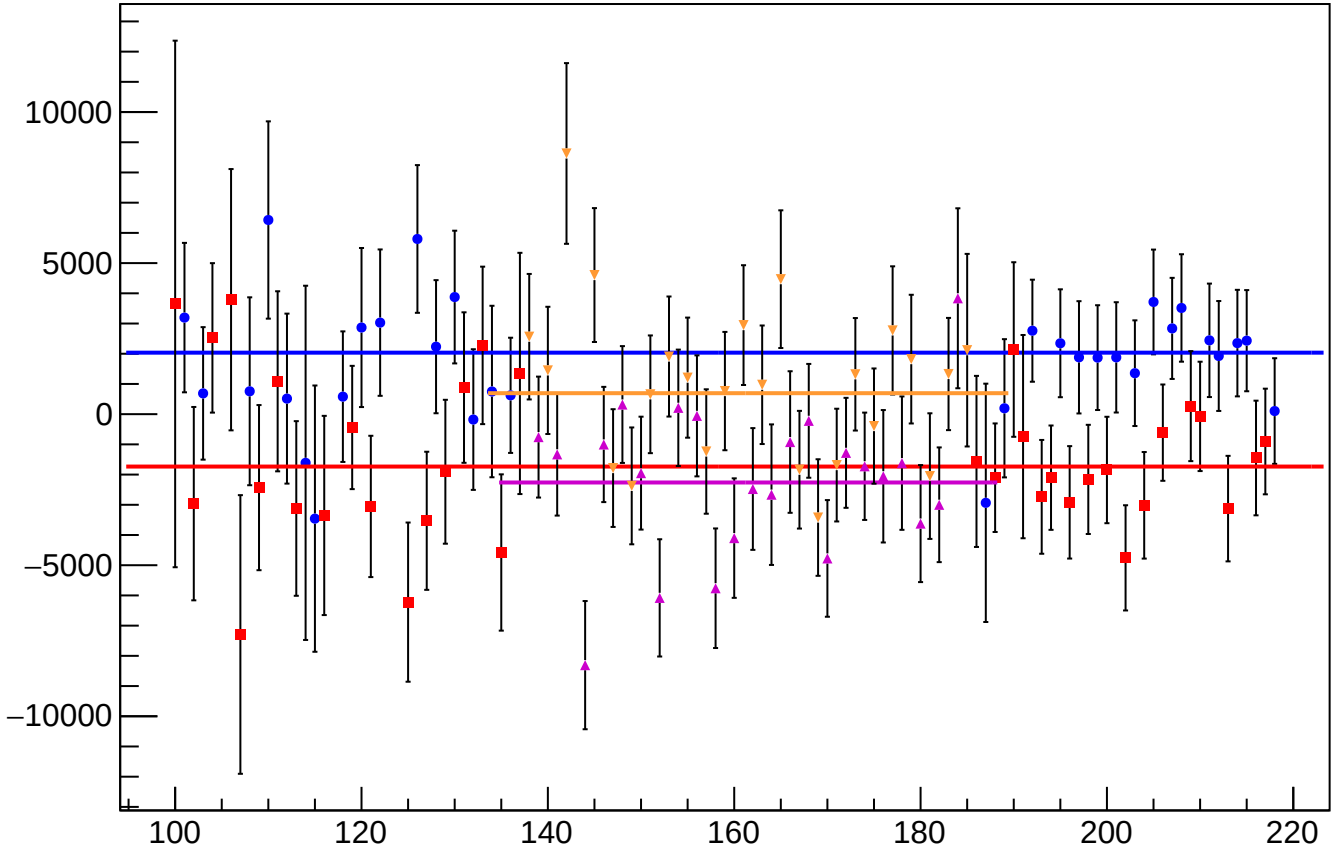
Left In: 5134.445+/-0.869 χ^2/NDF:1487075.9/22

+ sign 3332.718+/-0.431 χ^2/NDF: 18094299.9/56

All: 2981.328+/-0.286 χ^2/NDF: 46681346.4/1

- sign 2705.344+/-0.382 χ^2/NDF: 27400741.5/58

eigen_dit_asym_atl_avg_mean vs Slug



Right In: 2035.667+/-371.782 χ^2/NDF: 16.1/31

Left Out: 694.313+/-418.051 χ^2/NDF:32.2/23

Right Out: -1734.333+/-376.613 χ^2/NDF: 27.2/34

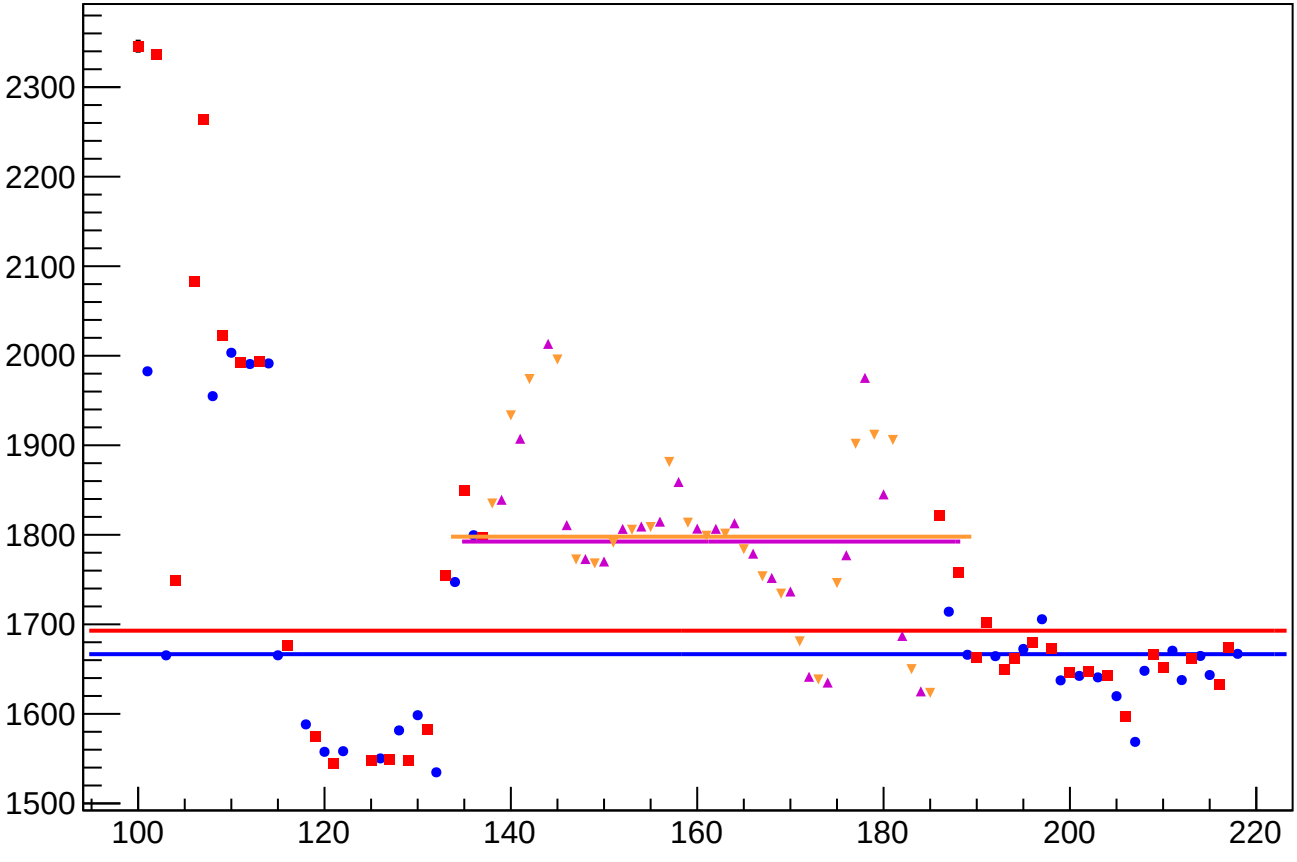
Left In: -2261.767+/-419.177 χ^2/NDF:30.4/22

+ sign 1443.298+/-277.814 χ^2/NDF: 54.1/55

All: -249.025+/-197.264 χ^2/NDF: 187.4/113

- sign -1969.920+/-280.149 χ^2/NDF: 58.5/57

eigen_dit_asym_atl_avg_rms vs Slug



Right In: 1666.685+/-0.263 χ^2/NDF: 153016.1/31

Left Out: 1797.911+/-0.296 χ^2/NDF:98005.5/23

Right Out: 1692.920+/-0.266 χ^2/NDF: 289144.9/34

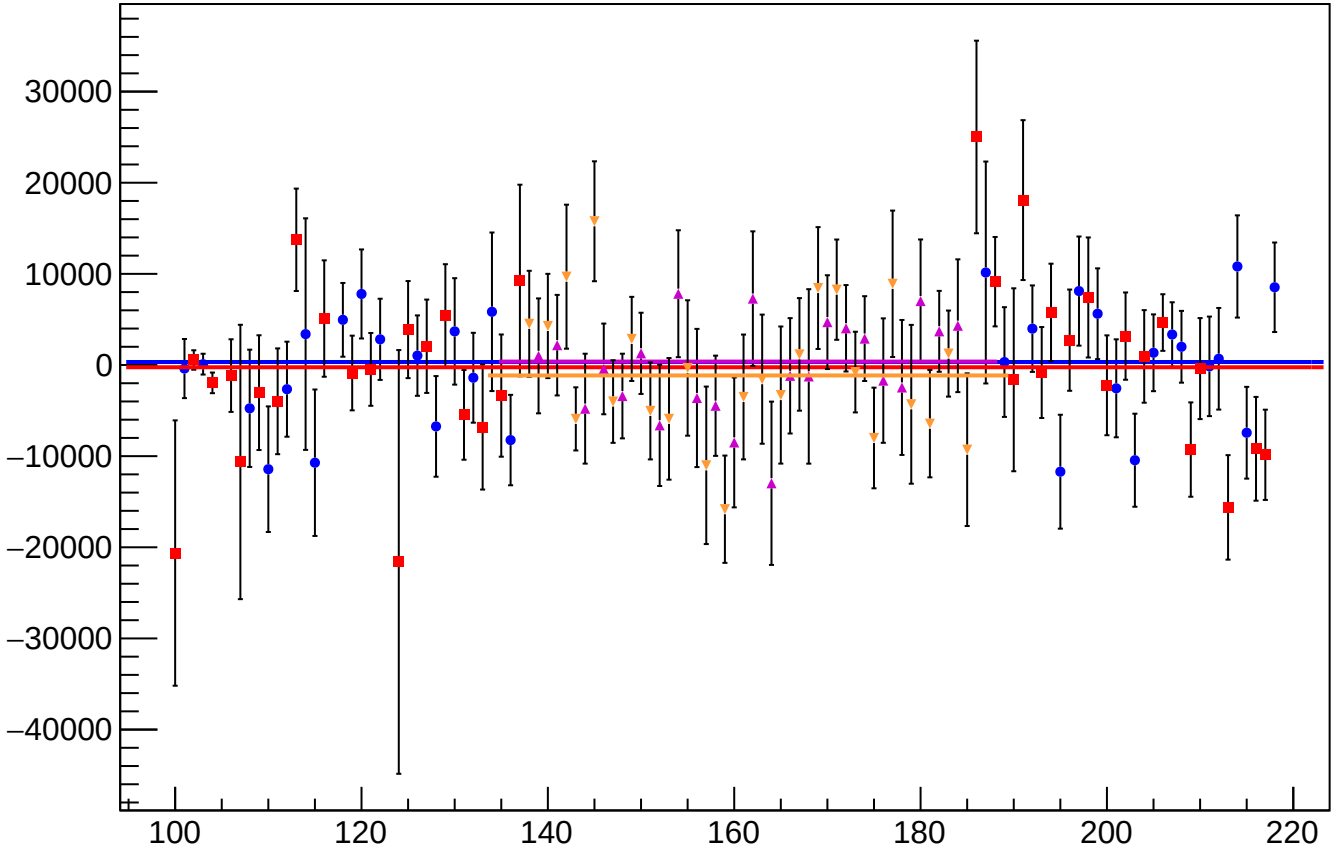
Left In: 1792.451+/-0.296 χ^2/NDF:92878.6/22

+ sign 1724.637+/-0.196 χ^2/NDF: 361059.0/55

All: 1730.938+/-0.139 χ^2/NDF: 807592.1/113

- sign 1737.341+/-0.198 χ^2/NDF: 444458.6/57

asym_atl_avg_eigen_dit_correction_mean vs Slug



Right In: 330.349+/-715.540 χ^2/NDF: 37.5/31

Left Out: -1144.411+/-1164.460 χ^2/NDF:32.6/24

Right Out: -246.722+/-601.558 χ^2/NDF: 54.9/35

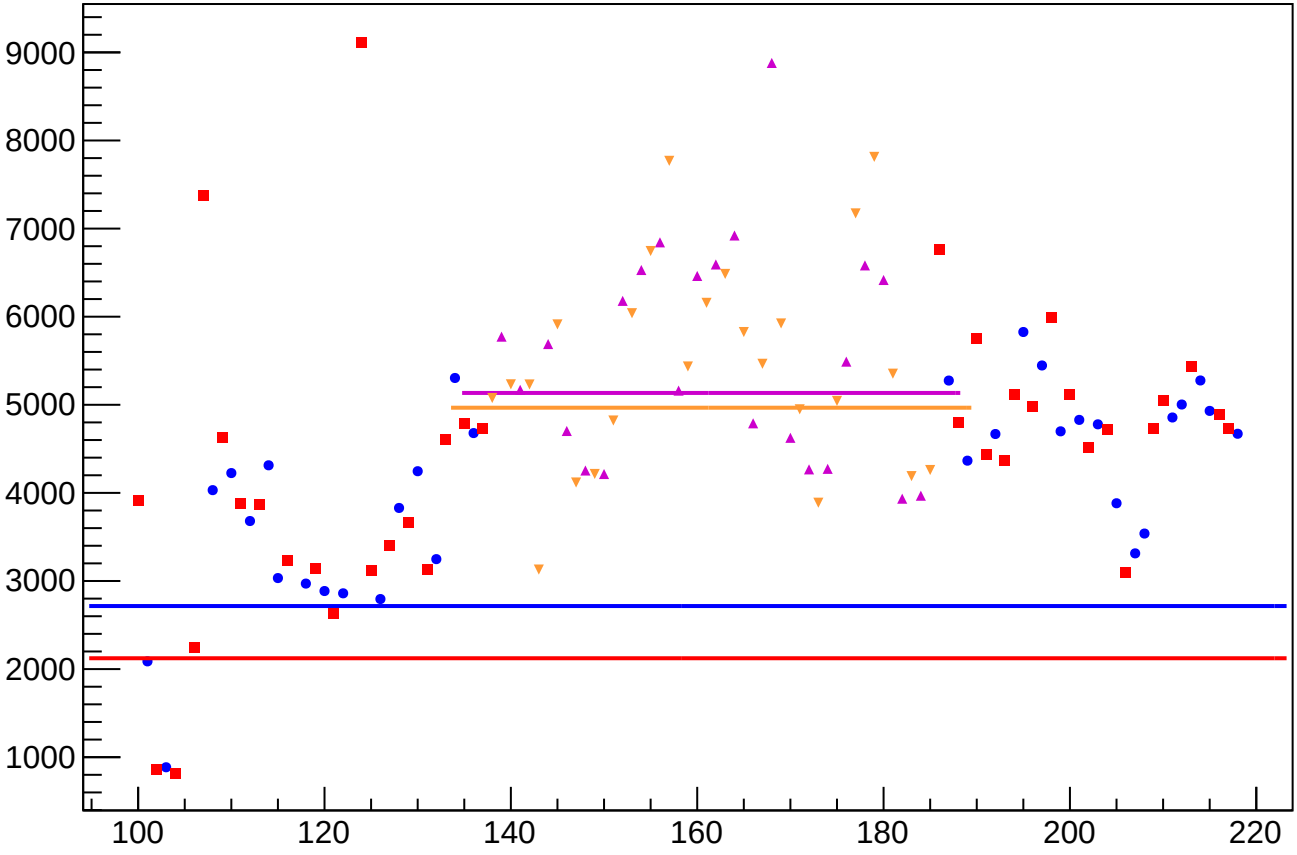
Left In: 374.928+/-1228.701 χ^2/NDF:13.3/22

+ sign -73.873+/-609.641 χ^2/NDF: 71.2/56

All: -103.364+/-404.345 χ^2/NDF: 139.7/115

- sign -126.525+/-540.281 χ^2/NDF: 68.4/58

asym_atl_avg_eigen_dit_correction_rms vs Slug



Right In: 2715.655+/-0.506 χ^2/NDF: 10750365.4/31

Left Out: 4966.886+/-0.823 χ^2/NDF:1917943.9/24

Right Out: 2123.069+/-0.425 χ^2/NDF: 16223317.8/35

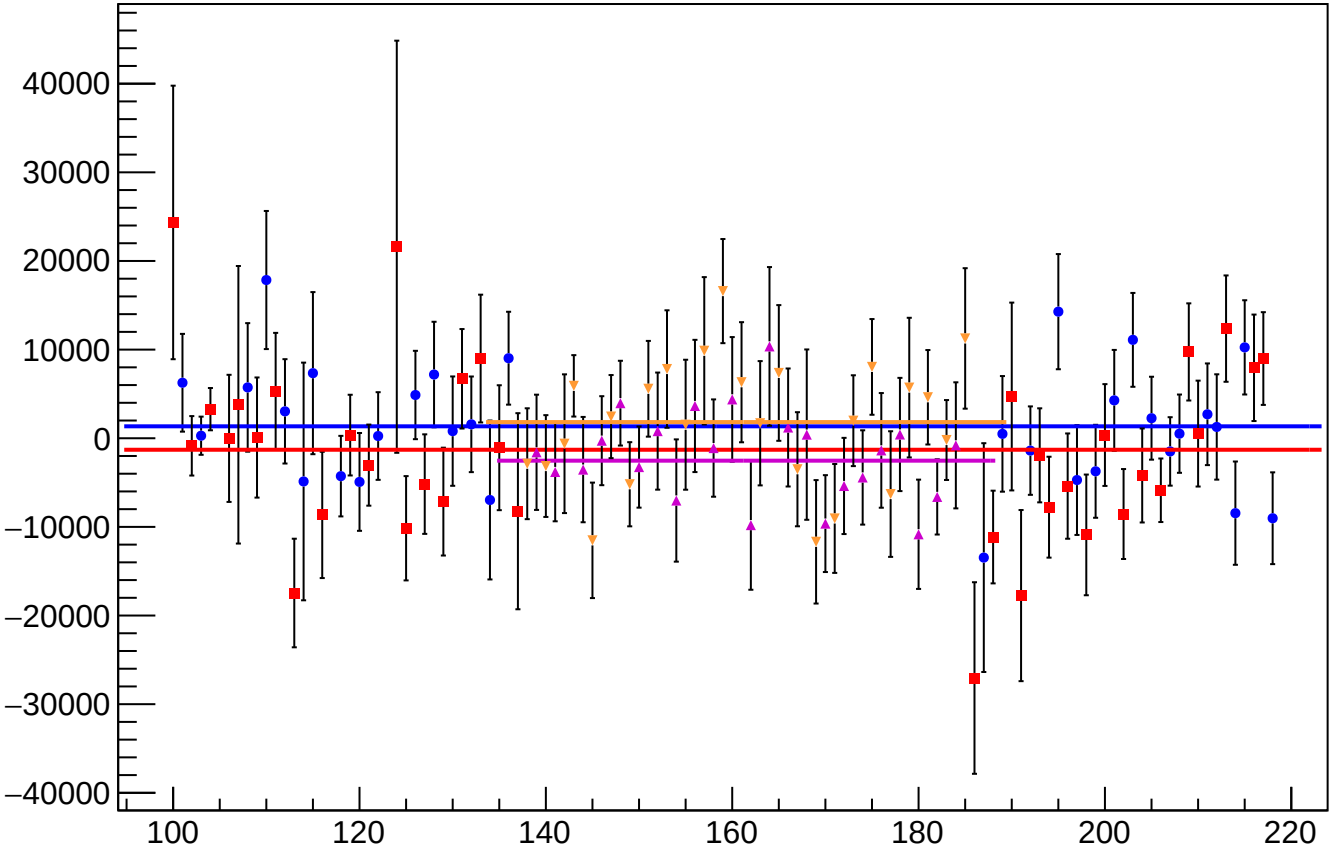
Left In: 5134.453+/-0.869 χ^2/NDF:1487077.8/22

+ sign 3332.703+/-0.431 χ^2/NDF: 18094584.2/56

All: 2981.309+/-0.286 χ^2/NDF: 46681987.2/1

- sign 2705.324+/-0.382 χ^2/NDF: 27401072.5/58

asym_atl_avg_mean vs Slug



Right In: 1346.173+/-921.357 χ^2/NDF: 35.4/31

Left Out: 1826.201+/-1172.478 χ^2/NDF:31.1/24

Right Out: -1297.456+/-926.127 χ^2/NDF: 60.9/35

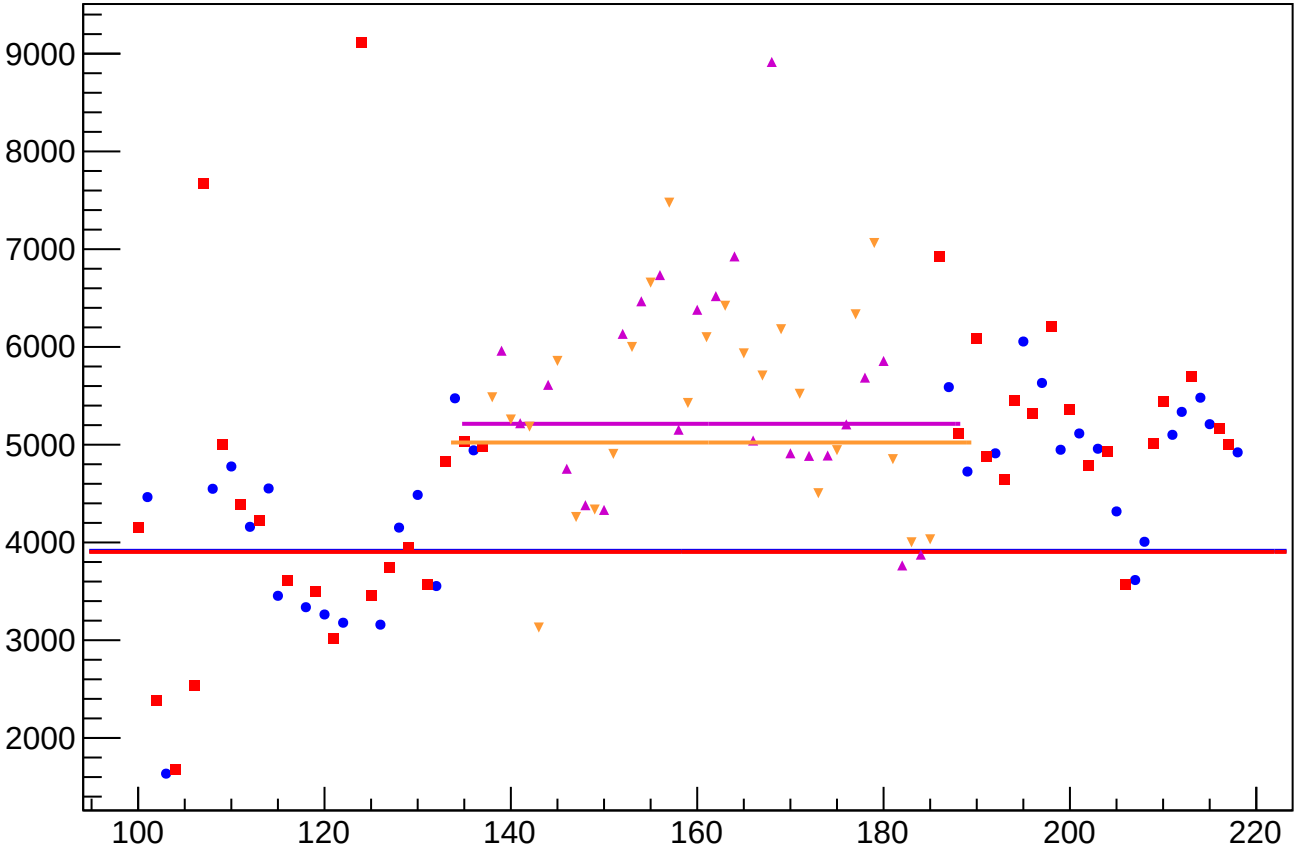
Left In: -2529.501+/-1242.040 χ^2/NDF:13.2/22

+ sign 1529.432+/-724.442 χ^2/NDF: 66.6/56

All: -64.033+/-518.507 χ^2/NDF: 151.3/115

- sign -1737.695+/-742.449 χ^2/NDF: 74.8/58

asym_atl_avg_rms vs Slug



Right In: 3914.214+/-0.651 χ^2/NDF: 3958201.7/31

Left Out: 5022.407+/-0.829 χ^2/NDF:1676611.8/24

Right Out: 3903.251+/-0.649 χ^2/NDF: 4567011.9/35

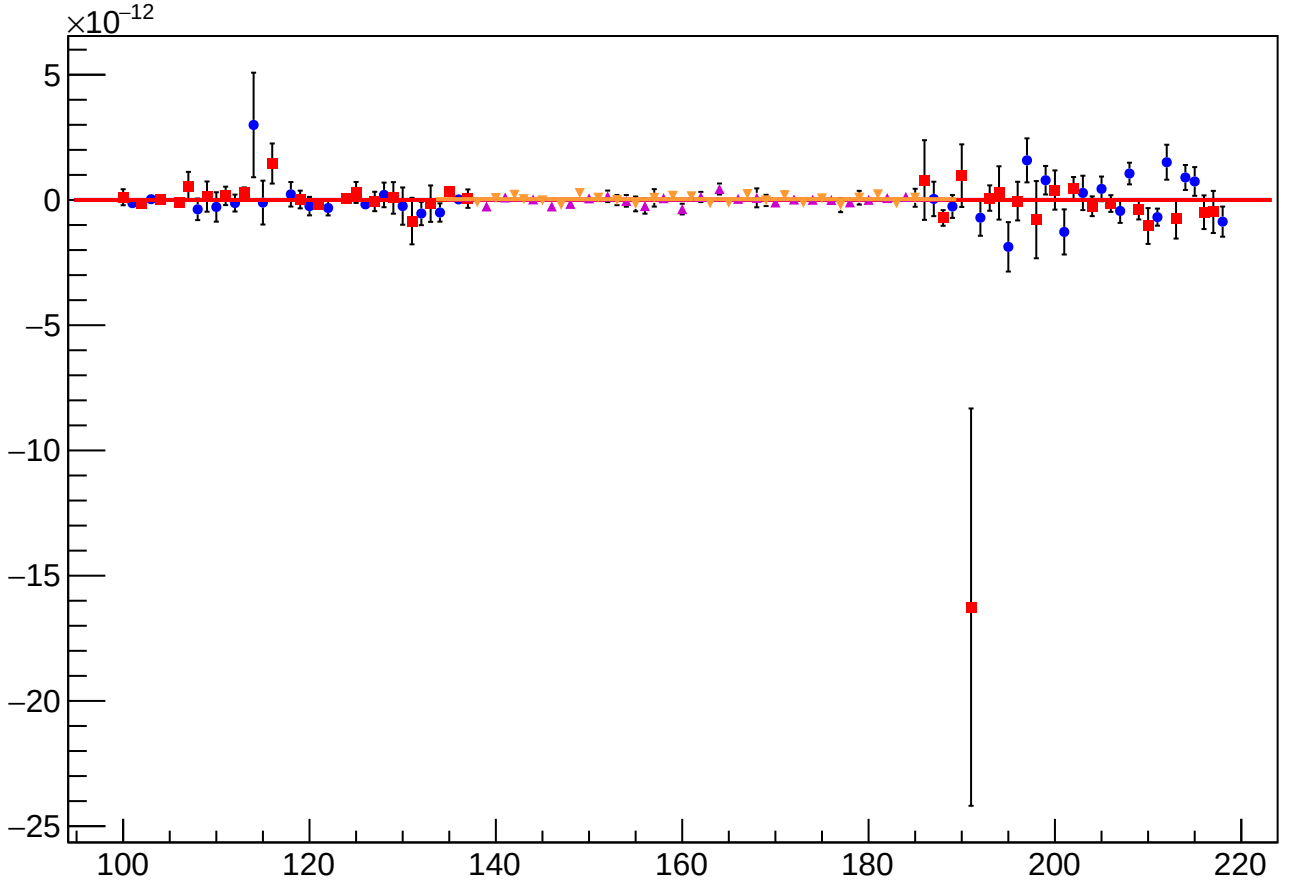
Left In: 5213.625+/-0.878 χ^2/NDF:1223192.9/22

+ sign 4337.285+/-0.512 χ^2/NDF: 6739410.2/56

All: 4351.468+/-0.366 χ^2/NDF: 13970827.4/1

- sign 4366.197+/-0.522 χ^2/NDF: 7229854.6/58

asym_atl_avg_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 46.2/31

Left Out: 0.000+/-0.000 χ^2/NDF:25.0/24

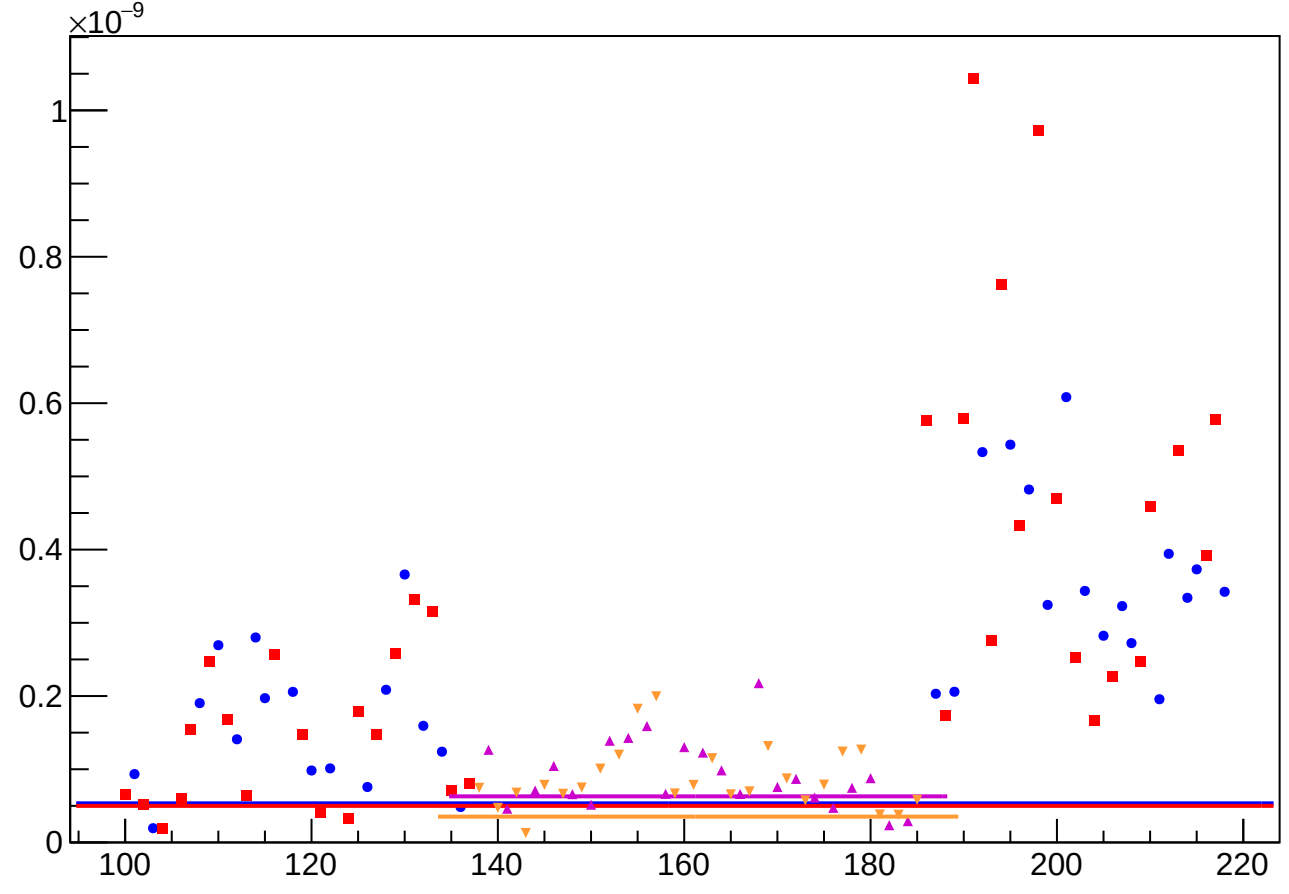
Right Out: -0.000+/-0.000 χ^2/NDF: 32.4/35

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

+ sign 0.000+/-0.000 χ^2/NDF: 71.7/56

All: 0.000+/-0.000 χ^2/NDF: 123.8/115

- sign 0.000+/-0.000 χ^2/NDF: 51.7/58



Right In: 0.000+/-0.000 χ^2/NDF: 11161939.8/31

Left Out: 0.000+/-0.000 χ^2/NDF:6511119.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 11366228.6/35

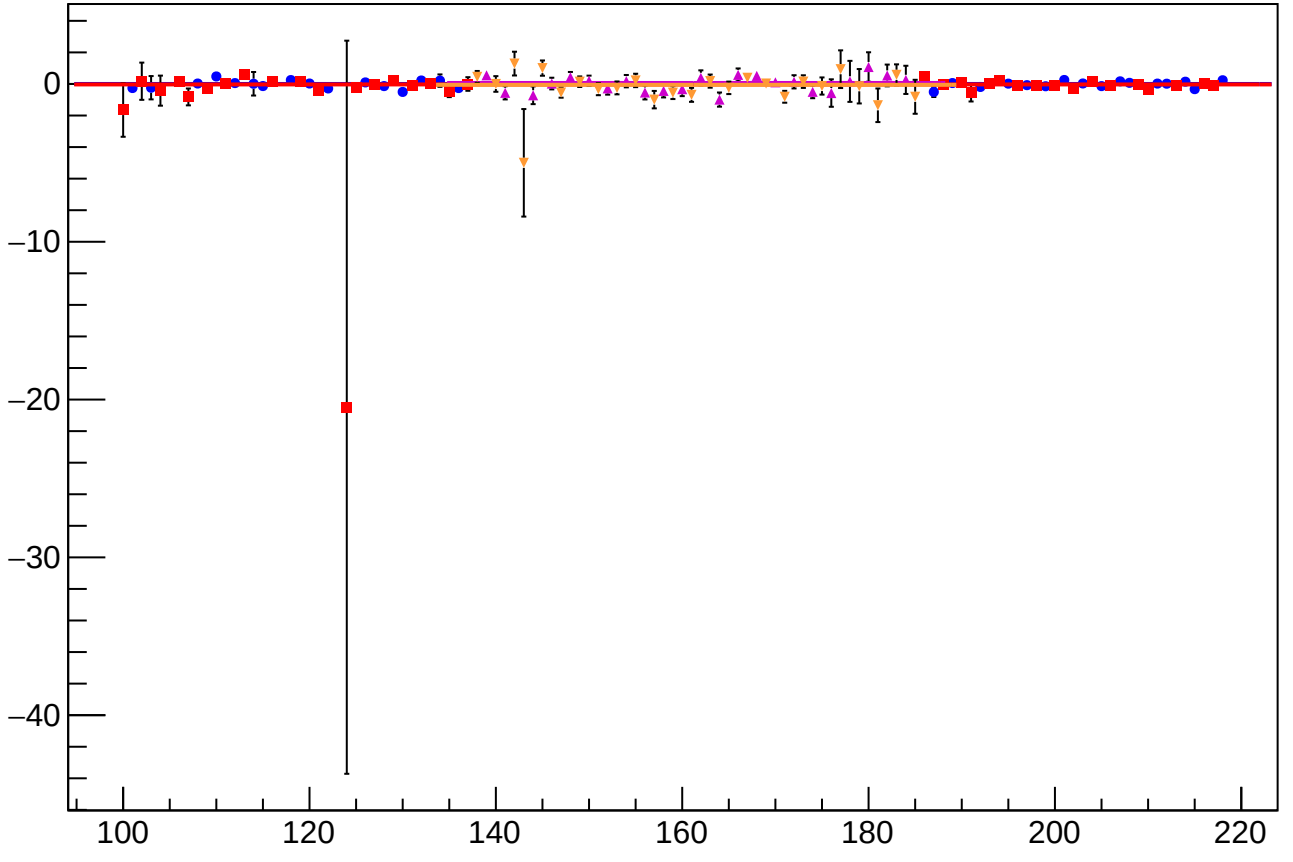
Left In: 0.000+/-0.000 χ^2/NDF:2934305.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 18135335.8/56

All: 0.000+/-0.000 χ^2/NDF: 33544497.9/115

- sign 0.000+/-0.000 χ^2/NDF: 14492055.2/58

asym_atl_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.001+/-0.032 χ^2/NDF: 39.3/31

Left Out: -0.054+/-0.085 χ^2/NDF:33.1/24

Right Out: -0.030+/-0.031 χ^2/NDF: 36.4/35

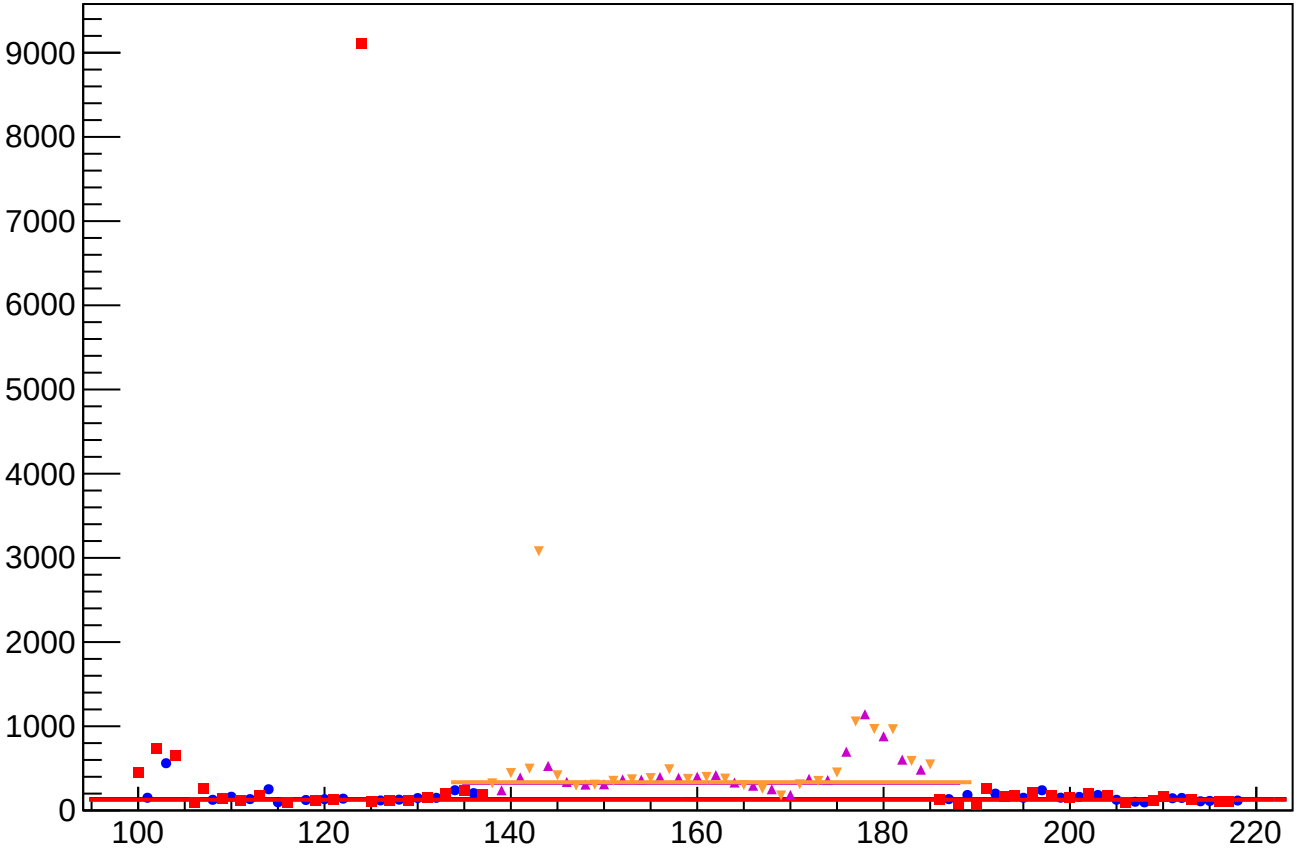
Left In: 0.063+/-0.083 χ^2/NDF:28.0/22

+ sign -0.008+/-0.030 χ^2/NDF: 72.8/56

All: -0.013+/-0.021 χ^2/NDF: 138.4/115

- sign -0.018+/-0.029 χ^2/NDF: 65.5/58

asym_atl_avg_dit_vs_cor_diff_rms vs Slug



Right In: 134.791+/-0.023 χ^2/NDF: 2522849.4/31

Left Out: 335.166+/-0.060 χ^2/NDF:5852083.8/24

Right Out: 126.510+/-0.022 χ^2/NDF: 4404918.1/35

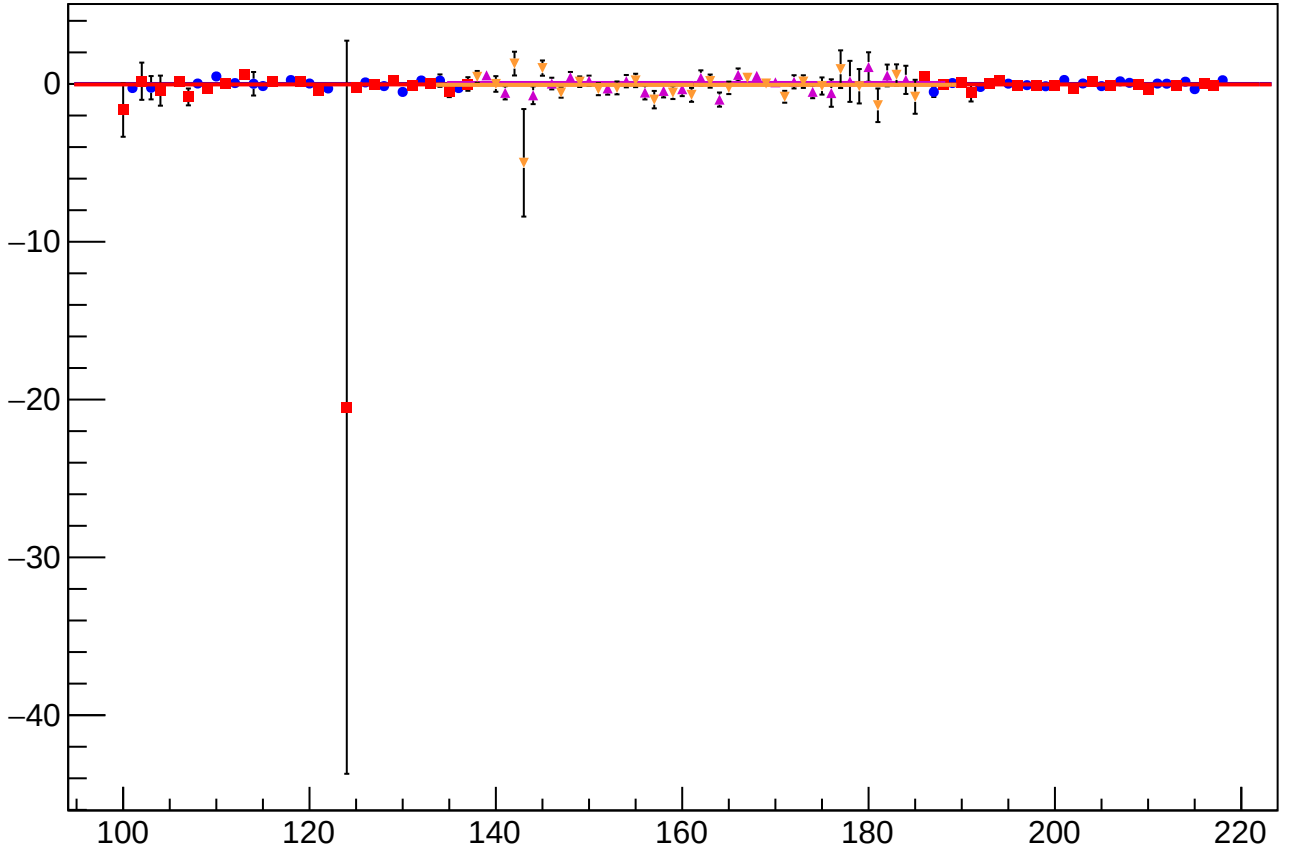
Left In: 327.572+/-0.059 χ^2/NDF:4153081.9/22

+ sign 160.427+/-0.021 χ^2/NDF: 18156759.7/56

All: 155.854+/-0.015 χ^2/NDF: 37140330.3/11

- sign 151.590+/-0.021 χ^2/NDF: 18895307.3/58

asym_atl_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.001+/-0.032 χ^2/NDF: 39.3/31

Left Out: -0.054+/-0.085 χ^2/NDF:33.1/24

Right Out: -0.030+/-0.031 χ^2/NDF: 36.4/35

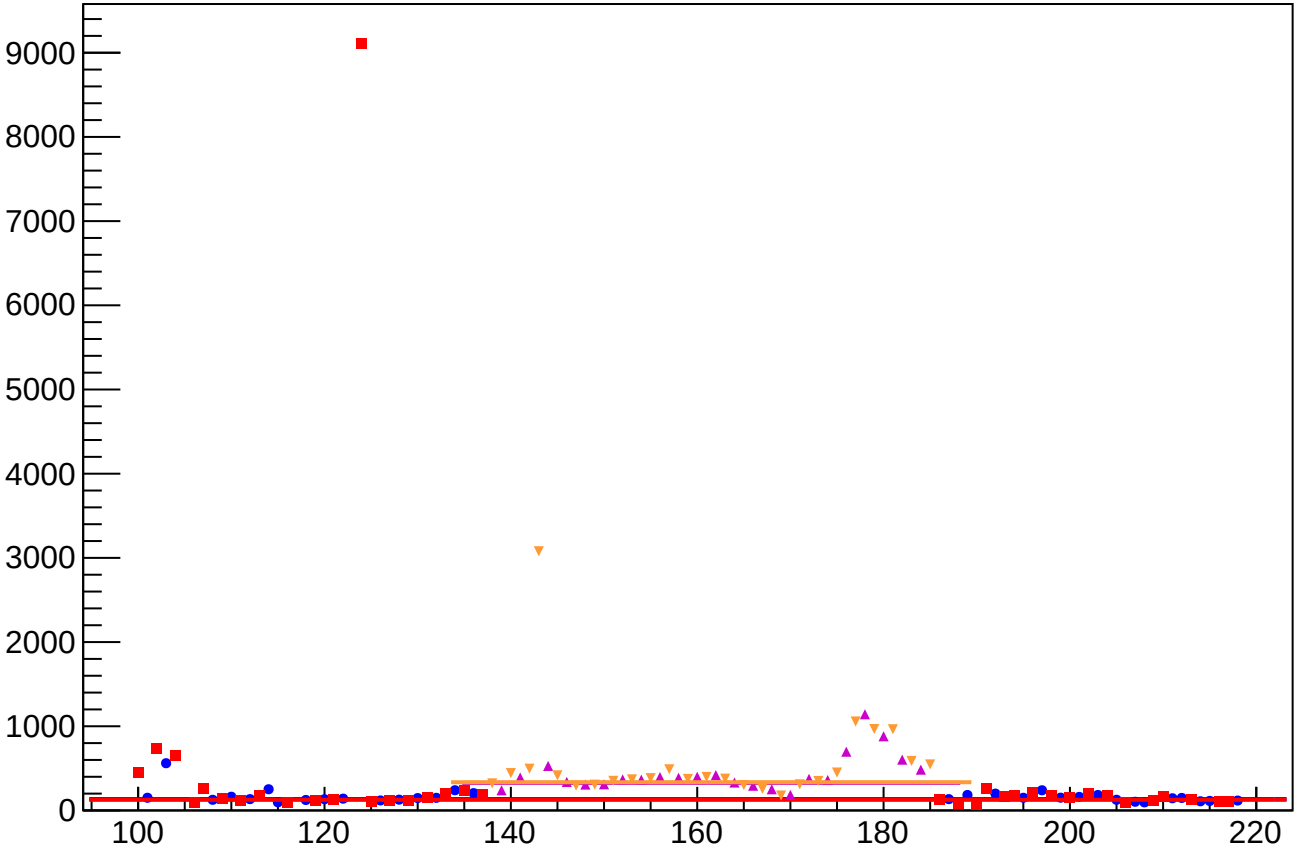
Left In: 0.063+/-0.083 χ^2/NDF:28.0/22

+ sign -0.008+/-0.030 χ^2/NDF: 72.8/56

All: -0.013+/-0.021 χ^2/NDF: 138.4/115

- sign -0.018+/-0.029 χ^2/NDF: 65.5/58

asym_atl_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 134.791+/-0.023 χ^2/NDF: 2522849.4/31

Left Out: 335.166+/-0.060 χ^2/NDF:5852083.8/24

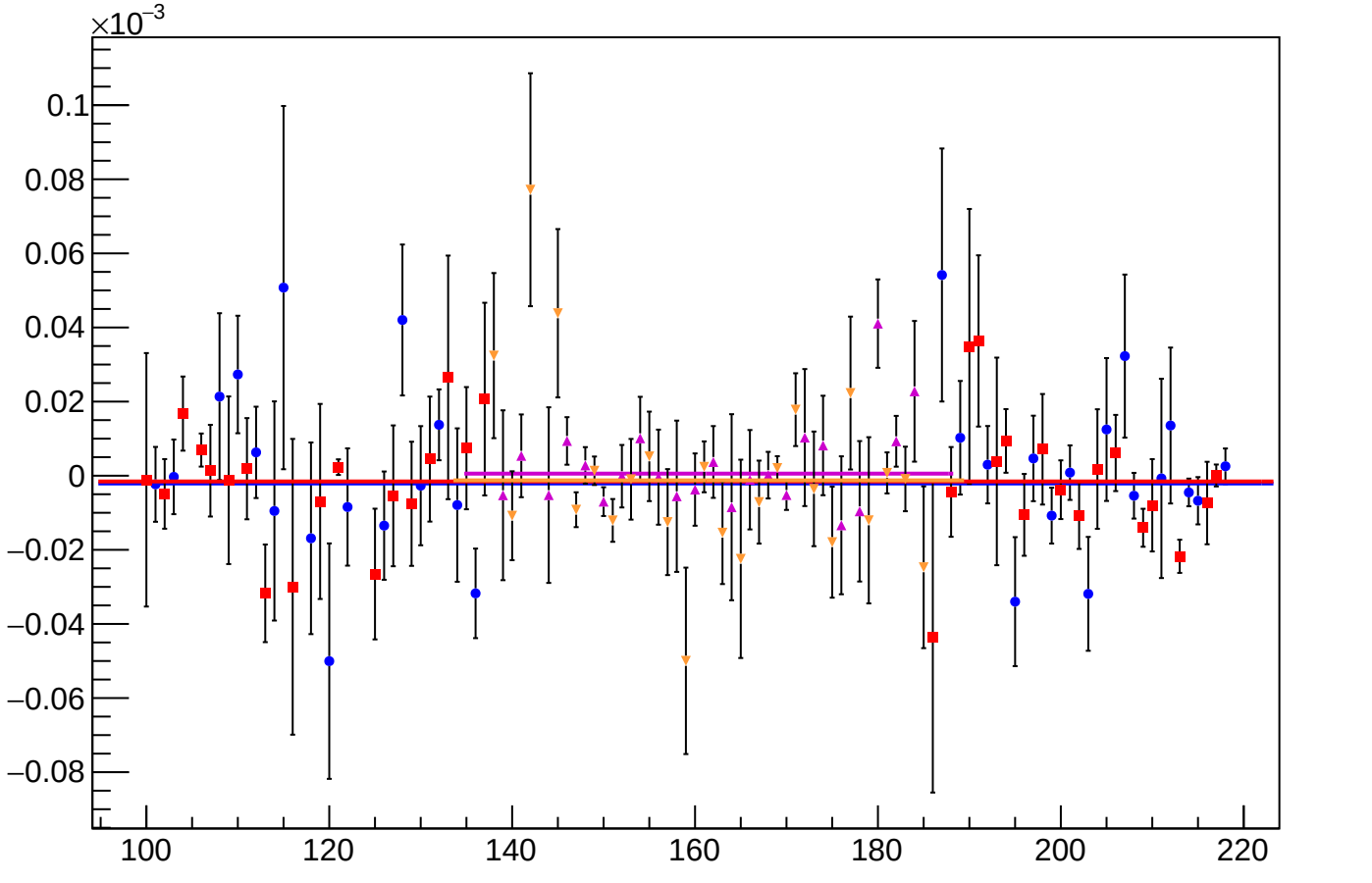
Right Out: 126.510+/-0.022 χ^2/NDF: 4404918.1/35

Left In: 327.572+/-0.059 χ^2/NDF:4153081.9/22

+ sign 160.427+/-0.021 χ^2/NDF: 18156759.7/56

All: 155.854+/-0.015 χ^2/NDF: 37140330.3/11

- sign 151.590+/-0.021 χ^2/NDF: 18895307.3/58



Right In: -0.000+/-0.000 χ^2/NDF: 41.4/31

Left Out: -0.000+/-0.000 χ^2/NDF:35.7/23

Right Out: -0.000+/-0.000 χ^2/NDF: 56.7/34

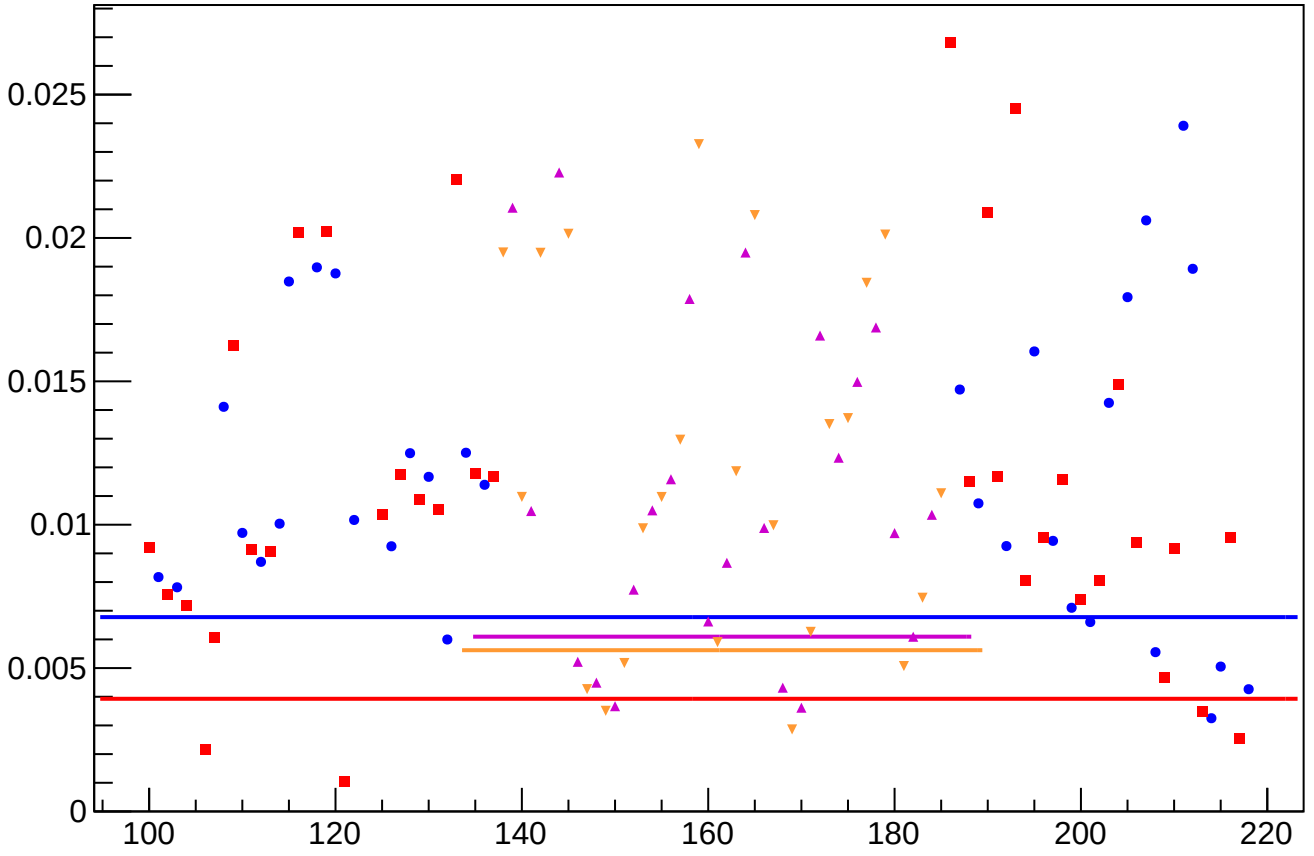
Left In: 0.000+/-0.000 χ^2/NDF:25.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 77.3/55

All: -0.000+/-0.000 χ^2/NDF: 160.7/113

- sign -0.000+/-0.000 χ^2/NDF: 83.2/57

asym_atl_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 9212060.5/31

Left Out: 0.006+/-0.000 χ^2/NDF:11183743.0/23

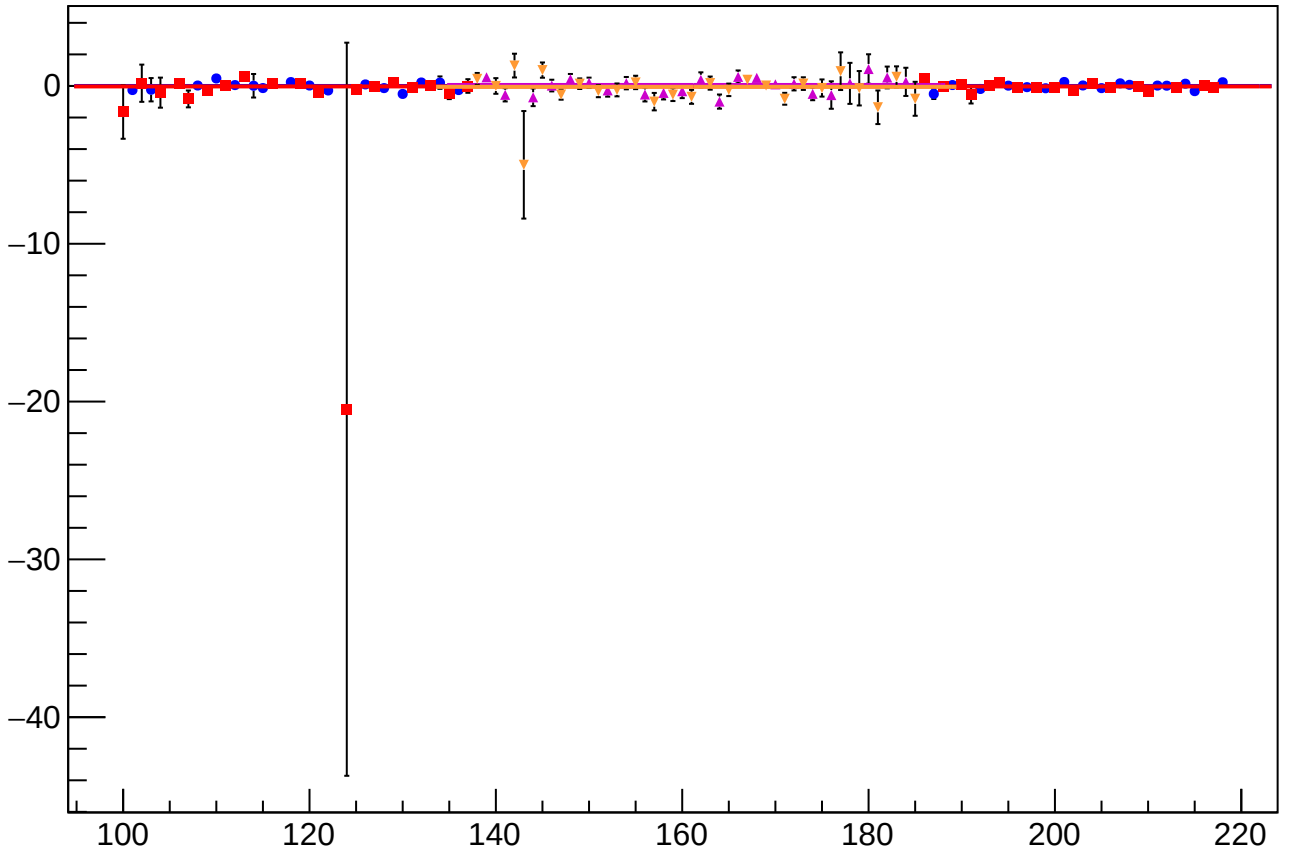
Right Out: 0.004+/-0.000 χ^2/NDF: 17693892.2/34

Left In: 0.006+/-0.000 χ^2/NDF:8798992.3/22

+ sign 0.006+/-0.000 χ^2/NDF: 20852577.7/55

All: 0.005+/-0.000 χ^2/NDF: 51133501.1/113

- sign 0.005+/-0.000 χ^2/NDF: 28548718.4/57



Right In: -0.001+/-0.032 χ^2/NDF: 39.3/31

Left Out: -0.054+/-0.085 χ^2/NDF:33.1/24

Right Out: -0.030+/-0.031 χ^2/NDF: 36.4/35

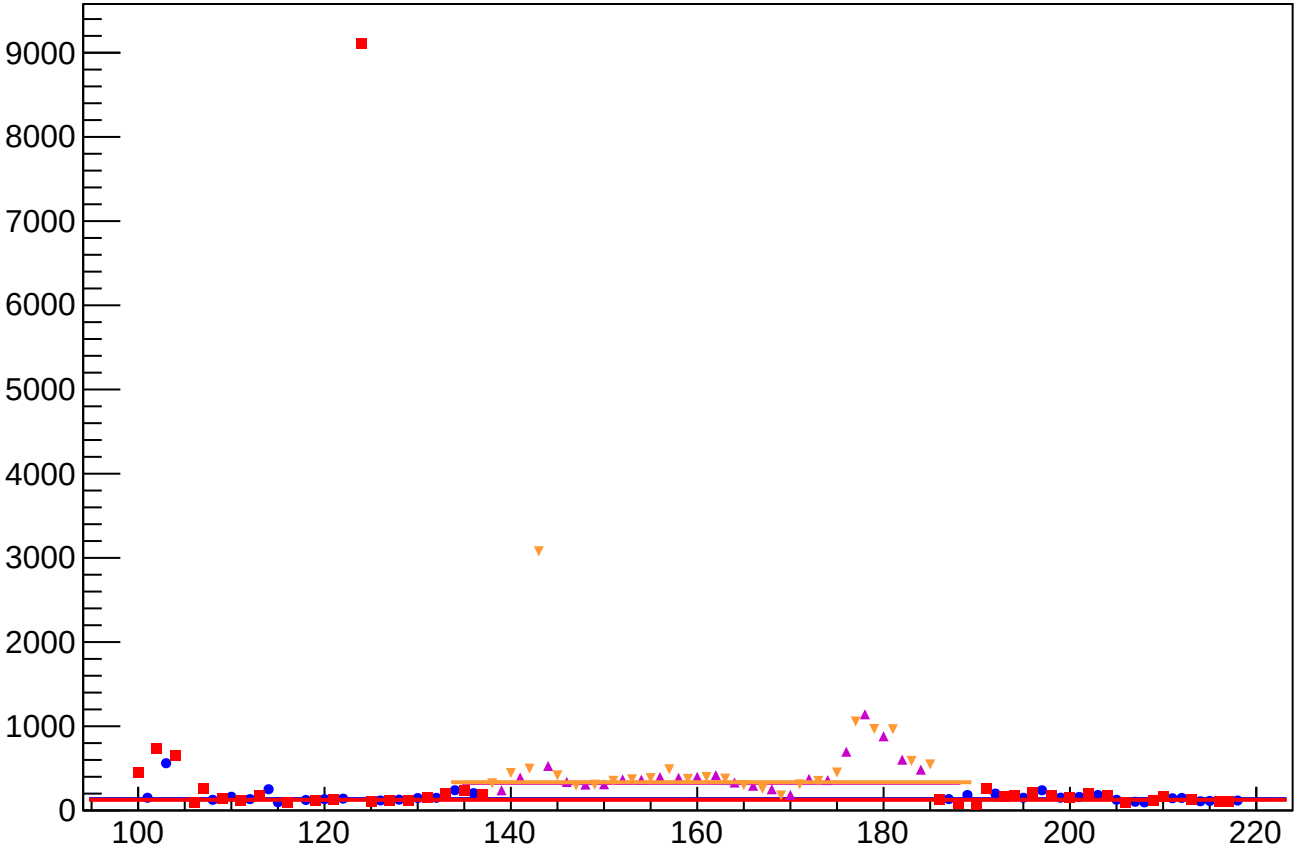
Left In: 0.063+/-0.083 χ^2/NDF:28.0/22

+ sign -0.008+/-0.030 χ^2/NDF: 72.8/56

All: -0.013+/-0.021 χ^2/NDF: 138.4/115

- sign -0.018+/-0.029 χ^2/NDF: 65.5/58

asym_atl_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 134.789+/-0.023 χ^2/NDF: 2523042.6/31

Left Out: 335.168+/-0.060 χ^2/NDF:5852151.8/24

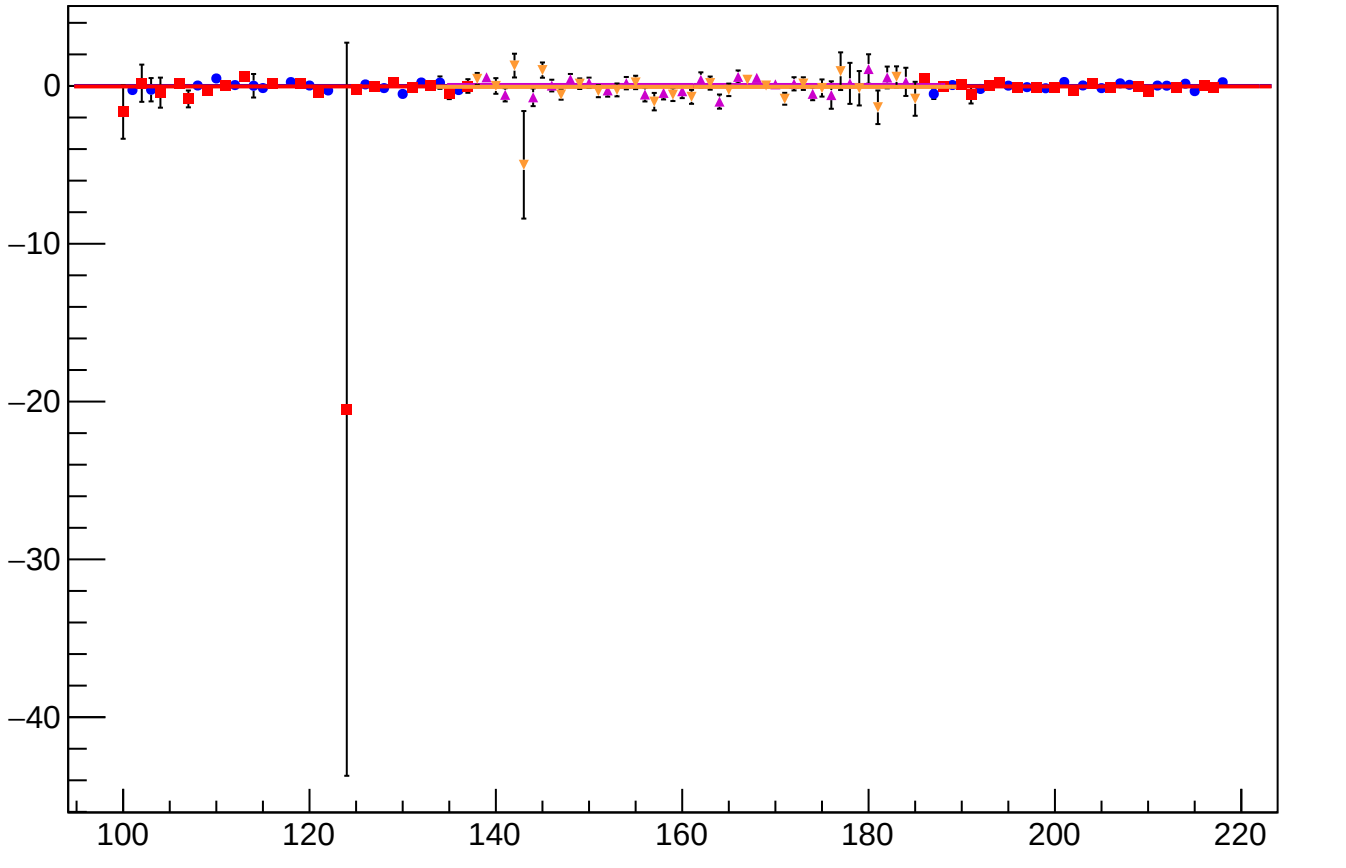
Right Out: 126.509+/-0.022 χ^2/NDF: 4405003.6/35

Left In: 327.575+/-0.059 χ^2/NDF:4153087.6/22

+ sign 160.425+/-0.021 χ^2/NDF: 18157382.5/56

All: 155.851+/-0.015 χ^2/NDF: 37141358.5/11

- sign 151.588+/-0.021 χ^2/NDF: 18895728.9/58



Right In: -0.001+/-0.032 χ^2/NDF: 39.3/31

Left Out: -0.054+/-0.085 χ^2/NDF:33.1/24

Right Out: -0.030+/-0.031 χ^2/NDF: 36.4/35

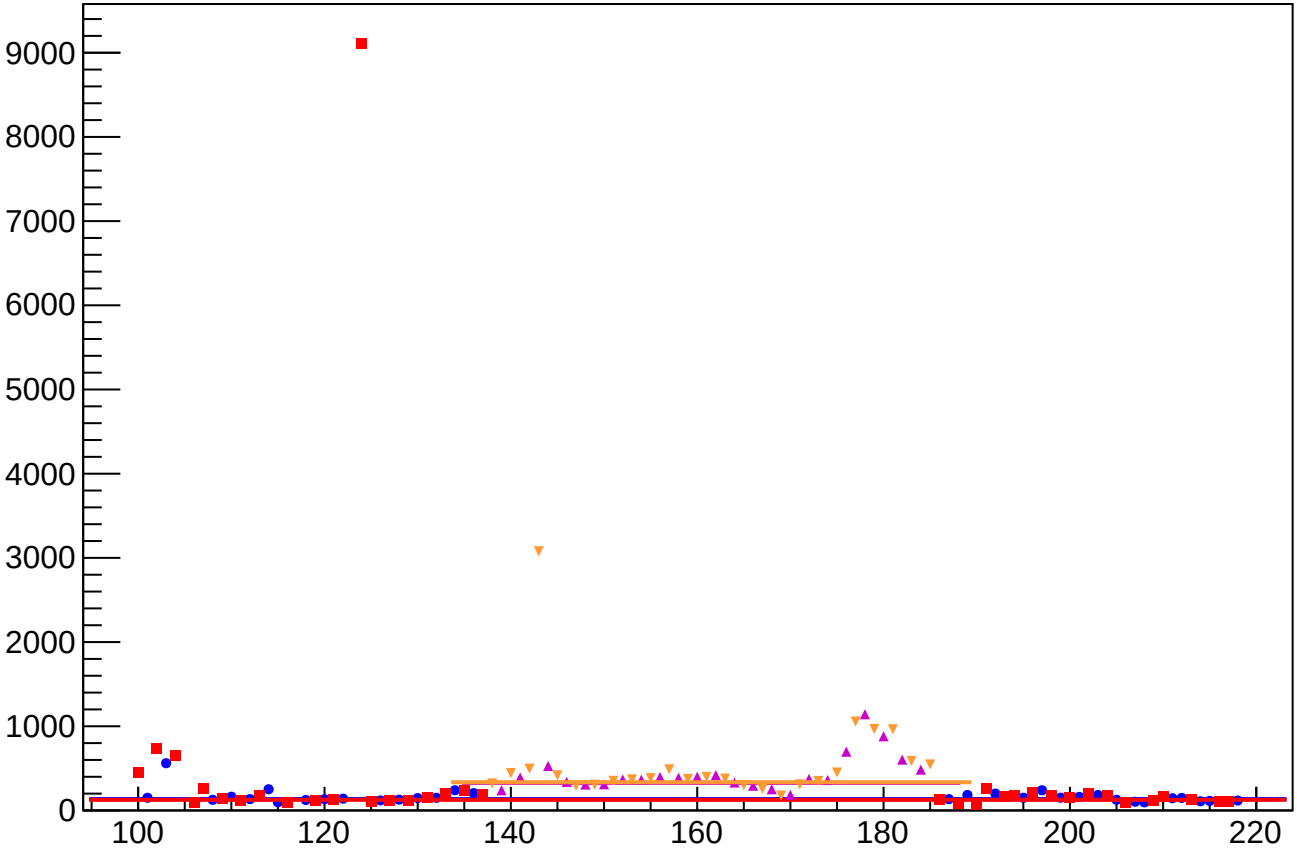
Left In: 0.063+/-0.083 χ^2/NDF:28.0/22

+ sign -0.008+/-0.030 χ^2/NDF: 72.8/56

All: -0.013+/-0.021 χ^2/NDF: 138.4/115

- sign -0.018+/-0.029 χ^2/NDF: 65.5/58

asym_atl_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 134.789+/-0.023 χ^2/NDF: 2523042.6/31

Left Out: 335.168+/-0.060 χ^2/NDF:5852151.8/24

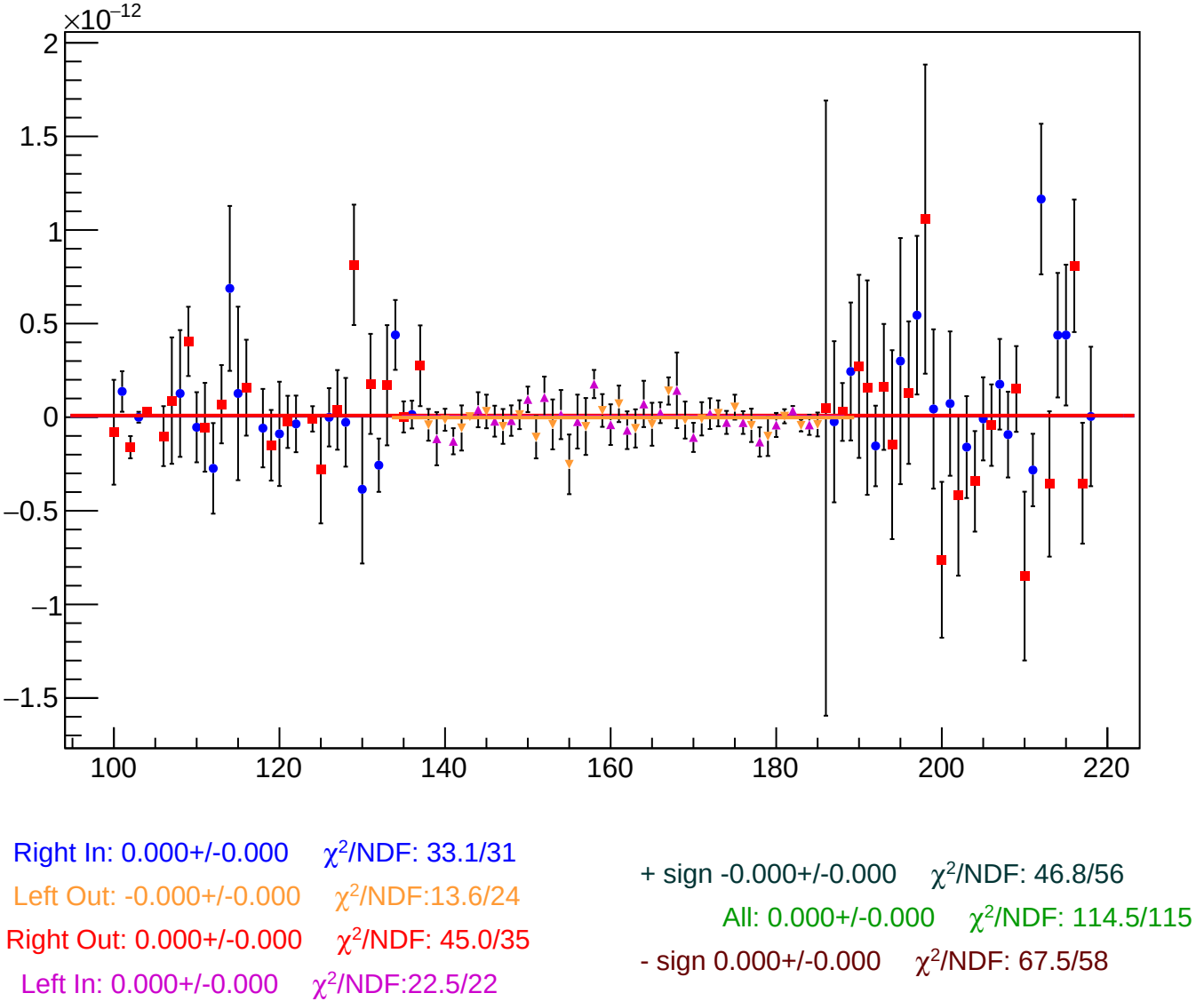
Right Out: 126.509+/-0.022 χ^2/NDF: 4405003.6/35

Left In: 327.575+/-0.059 χ^2/NDF:4153087.6/22

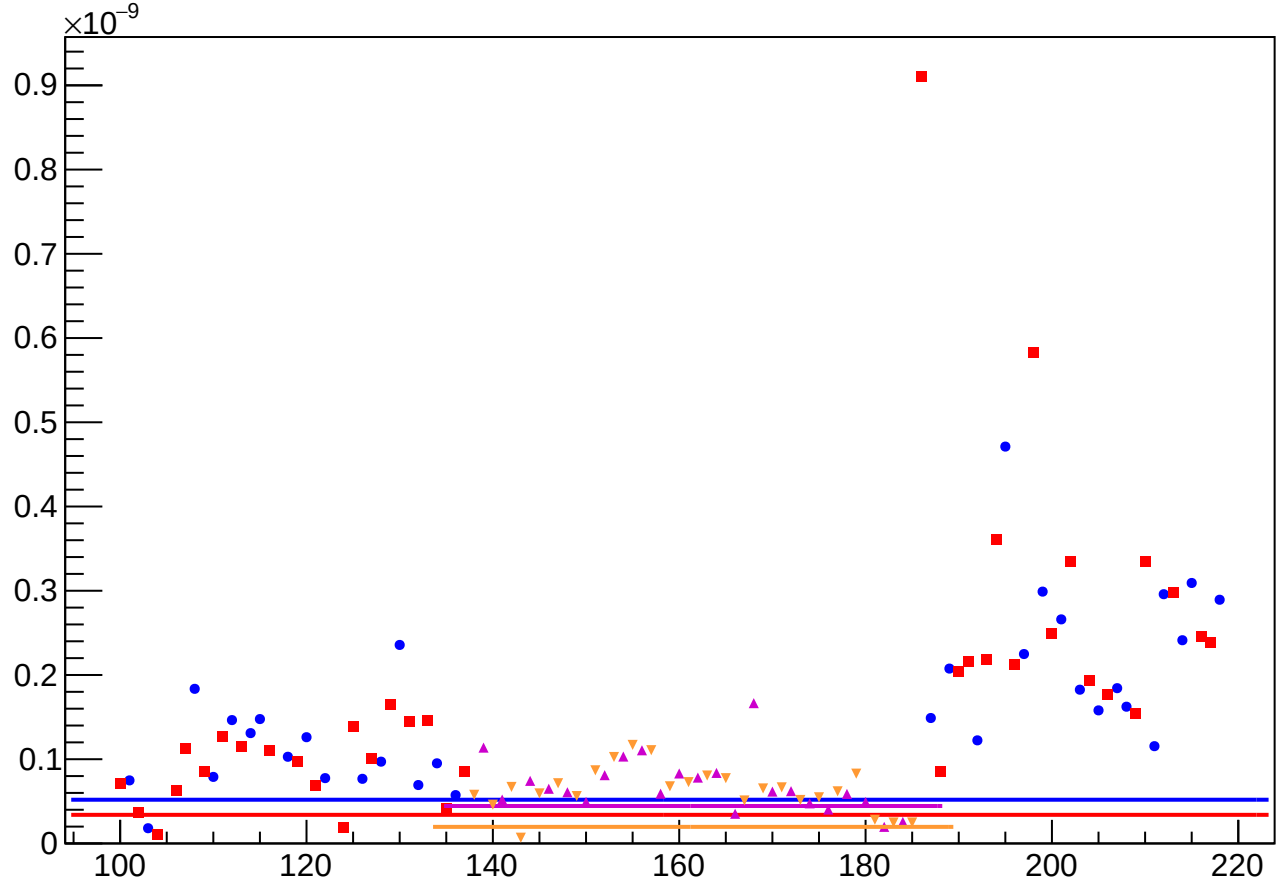
+ sign 160.425+/-0.021 χ^2/NDF: 18157382.5/56

All: 155.851+/-0.015 χ^2/NDF: 37141358.5/11

- sign 151.588+/-0.021 χ^2/NDF: 18895728.9/58


asym_atl_avg_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
2
1.5
1
0.5
0
−0.5
−1
−1.5
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 33.1/31
Left Out: -0.000+/-0.000 χ²/NDF:13.6/24
Right Out: 0.000+/-0.000 χ²/NDF: 45.0/35
Left In: 0.000+/-0.000 χ²/NDF:22.5/22
+ sign -0.000+/-0.000 χ²/NDF: 46.8/56
All: 0.000+/-0.000 χ²/NDF: 114.5/115
- sign 0.000+/-0.000 χ²/NDF: 67.5/58

asym_atl_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 13080251.6/31

Left Out: 0.000+/-0.000 χ^2/NDF:14888228.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 16139225.1/35

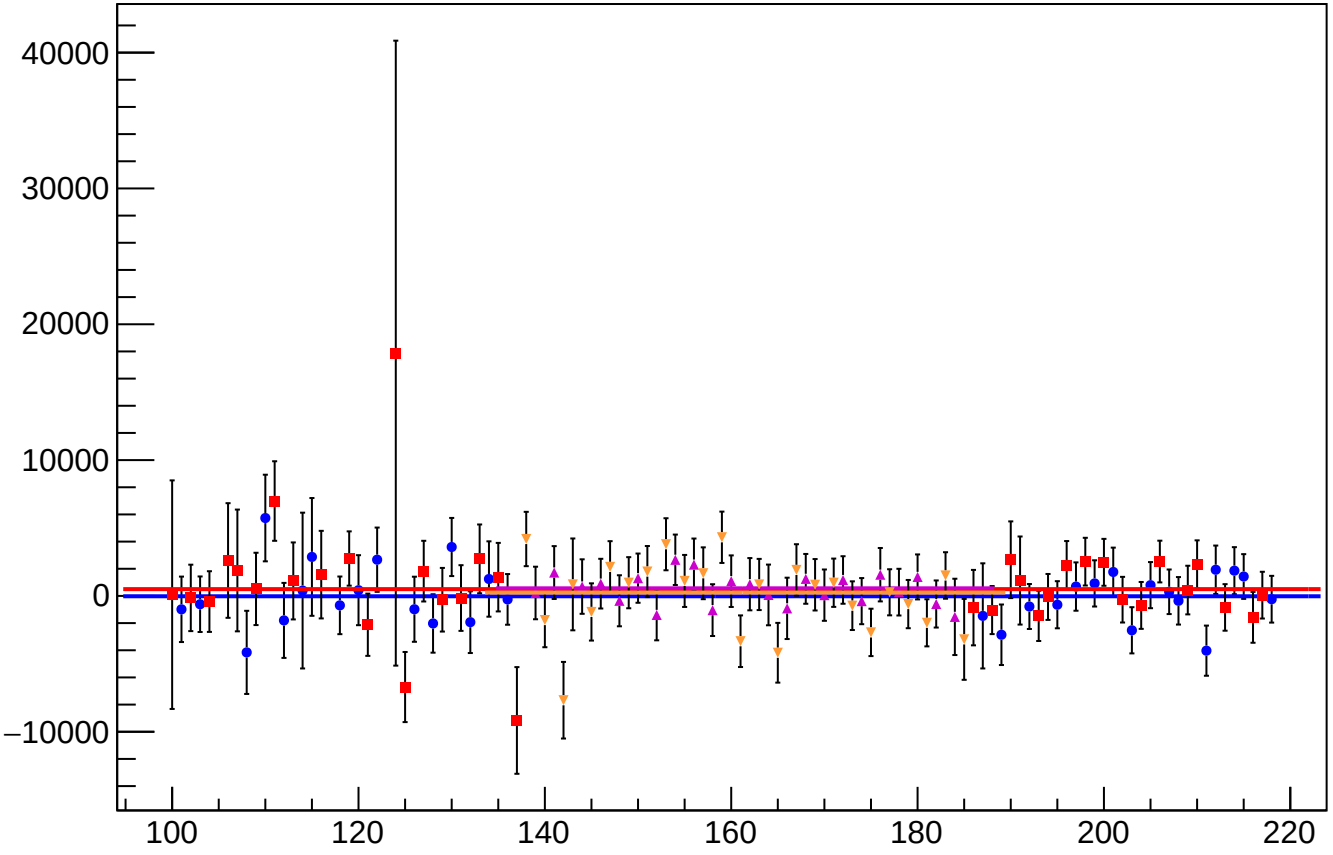
Left In: 0.000+/-0.000 χ^2/NDF:5919814.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 31499965.1/56

All: 0.000+/-0.000 χ^2/NDF: 57093782.8/115

- sign 0.000+/-0.000 χ^2/NDF: 22477894.4/58

reg_asym_atl_dd_mean vs Slug



Right In: -25.064+/-363.217 χ^2/NDF: 26.4/31

Left Out: 248.233+/-388.827 χ^2/NDF:39.6/24

Right Out: 501.126+/-365.604 χ^2/NDF: 36.0/35

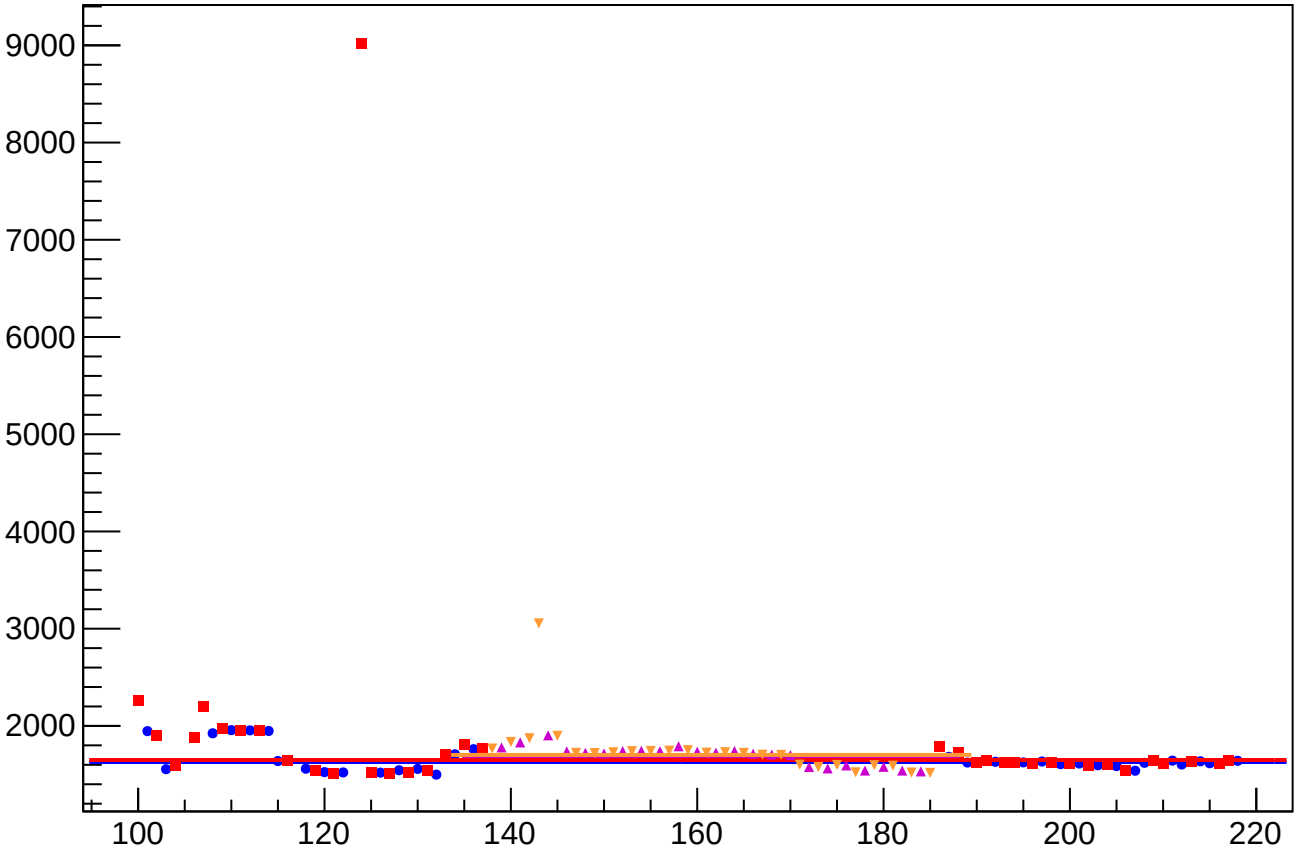
Left In: 559.995+/-395.112 χ^2/NDF:7.5/22

+ sign 102.289+/-265.426 χ^2/NDF: 66.2/56

All: 312.953+/-188.709 χ^2/NDF: 111.0/115

- sign 528.280+/-268.347 χ^2/NDF: 43.5/58

reg_asym_atl_dd_rms vs Slug



Right In: 1628.791+/-0.257 χ^2/NDF: 157909.8/31

Left Out: 1701.583+/-0.275 χ^2/NDF:452379.1/24

Right Out: 1649.370+/-0.258 χ^2/NDF: 423864.9/35

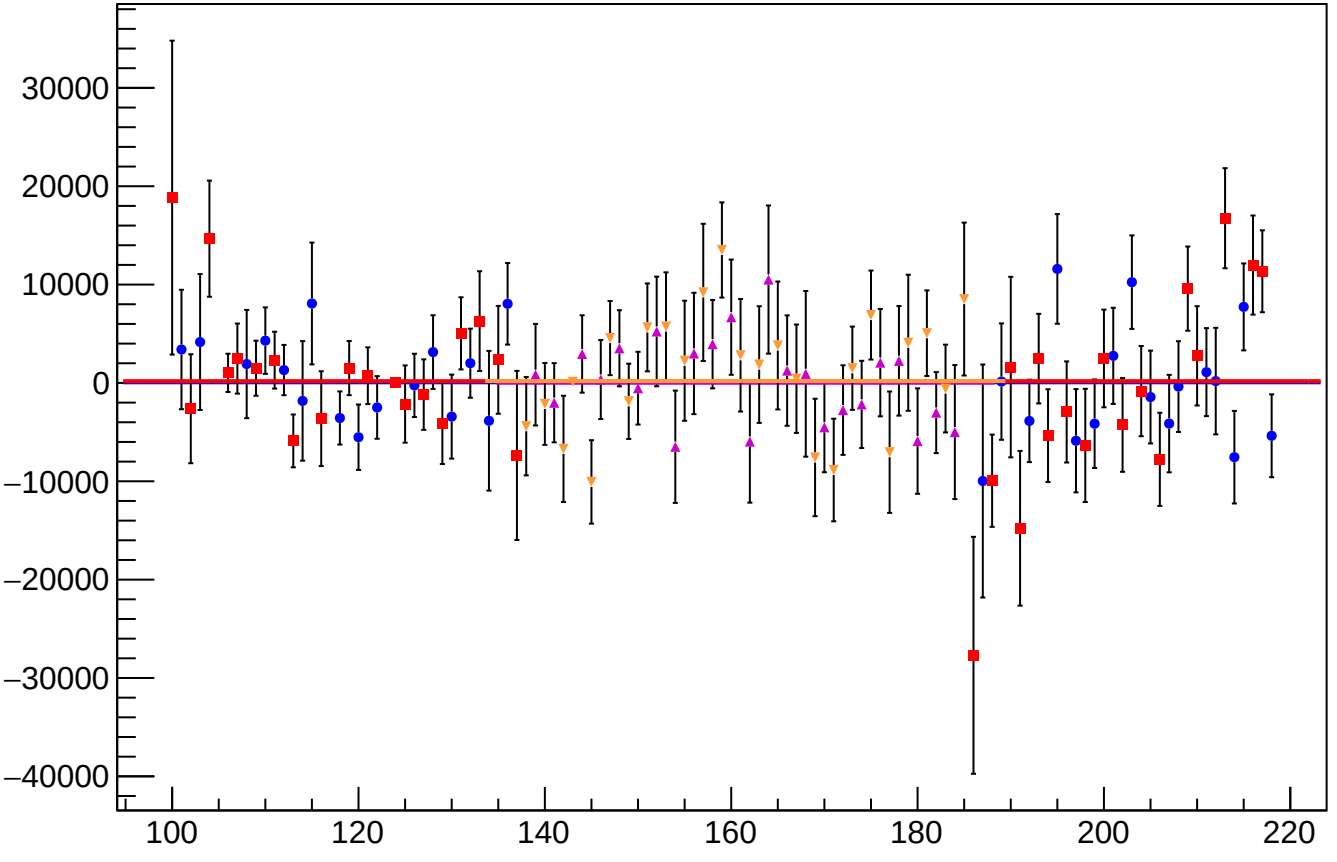
Left In: 1689.259+/-0.279 χ^2/NDF:122317.9/22

+ sign 1662.711+/-0.188 χ^2/NDF: 647720.2/56

All: 1665.199+/-0.133 χ^2/NDF: 1205255.4/11

- sign 1667.739+/-0.190 χ^2/NDF: 557180.0/58

asym_atl_dd_reg_correction_mean vs Slug



Right In: 64.044+/-756.205 χ^2/NDF: 36.4/31

Left Out: 193.503+/-343.131 χ^2/NDF:33.9/24

Right Out: 180.812+/-313.258 χ^2/NDF: 70.1/35

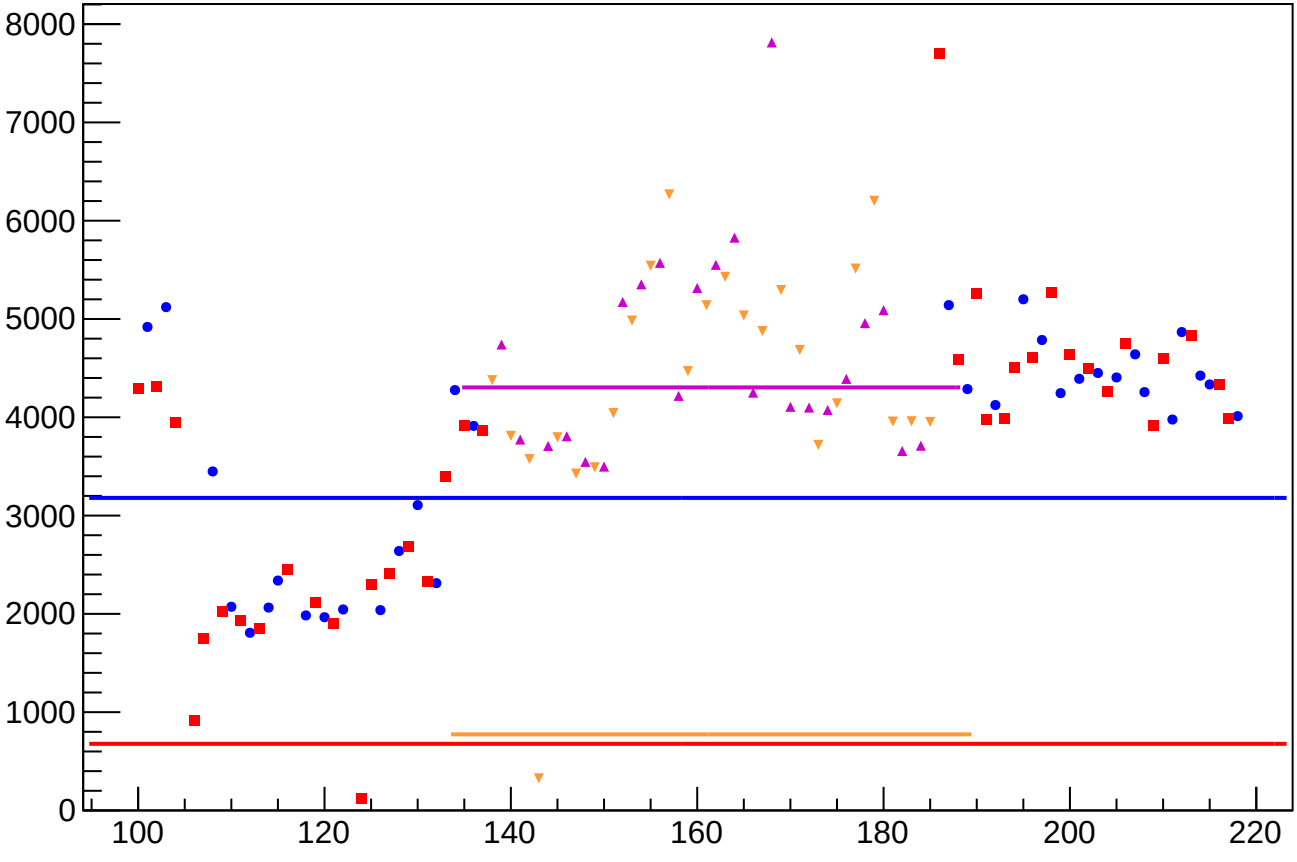
Left In: 28.728+/-1025.481 χ^2/NDF:13.3/22

\+ sign 171.399+/-312.468 χ^2/NDF: 70.3/56

All: 169.540+/-216.252 χ^2/NDF: 153.7/115

\- sign 167.832+/-299.592 χ^2/NDF: 83.4/58

asym_atl_dd_reg_correction_rms vs Slug



Right In: 3179.931+/-0.535 χ^2/NDF: 4744471.0/31

Left Out: 774.232+/-0.243 χ^2/NDF:28085586.8/24

Right Out: 677.999+/-0.222 χ^2/NDF: 31323890.0/35

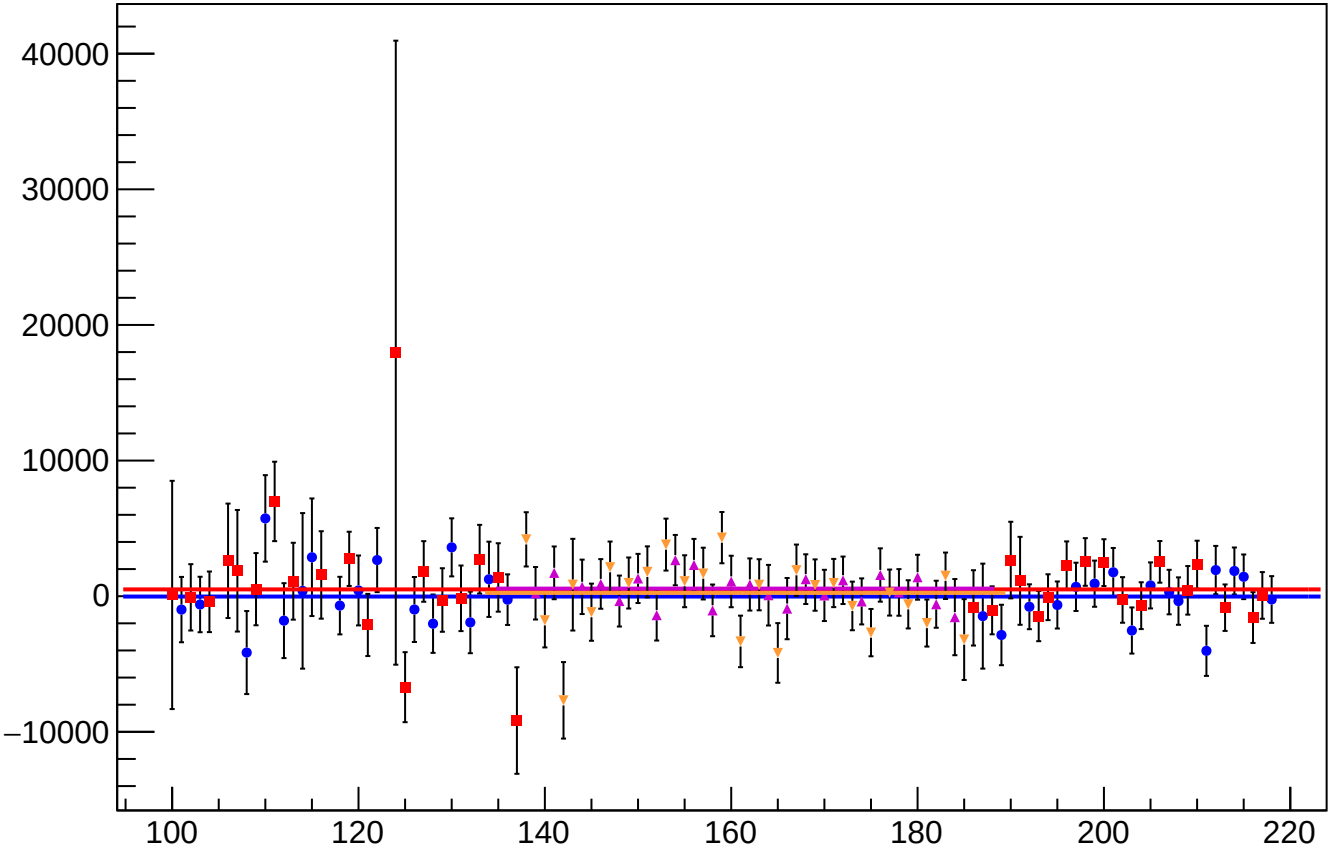
Left In: 4304.007+/-0.725 χ^2/NDF:1216578.1/22

+ sign 1184.979+/-0.221 χ^2/NDF: 49615192.4/56

All: 1082.076+/-0.153 χ^2/NDF: 105443057.8

- sign 987.480+/-0.212 χ^2/NDF: 55411560.5/58

cor_asym_atl_dd_mean vs Slug



Right In: -25.008+/-363.217 χ^2/NDF: 26.4/31

Left Out: 248.216+/-388.827 χ^2/NDF:39.6/24

Right Out: 502.554+/-365.605 χ^2/NDF: 36.0/35

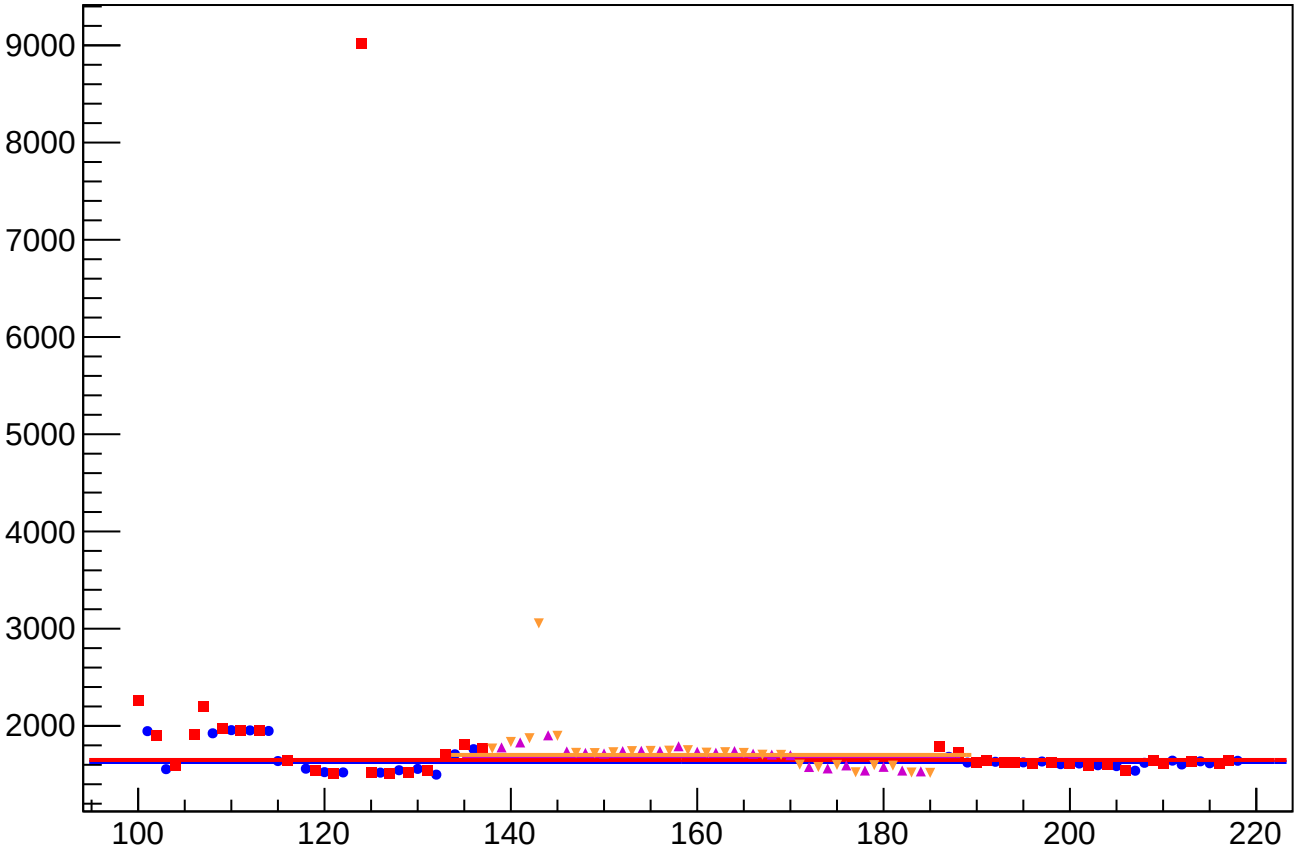
Left In: 559.960+/-395.112 χ^2/NDF:7.5/22

+ sign 102.311+/-265.426 χ^2/NDF: 66.2/56

All: 313.336+/-188.709 χ^2/NDF: 111.0/115

- sign 529.034+/-268.348 χ^2/NDF: 43.5/58

cor_asym_atl_dd_rms vs Slug



Right In: 1628.791+/-0.257 χ^2/NDF: 157909.8/31

Left Out: 1701.583+/-0.275 χ^2/NDF:452379.0/24

Right Out: 1649.621+/-0.258 χ^2/NDF: 425983.8/35

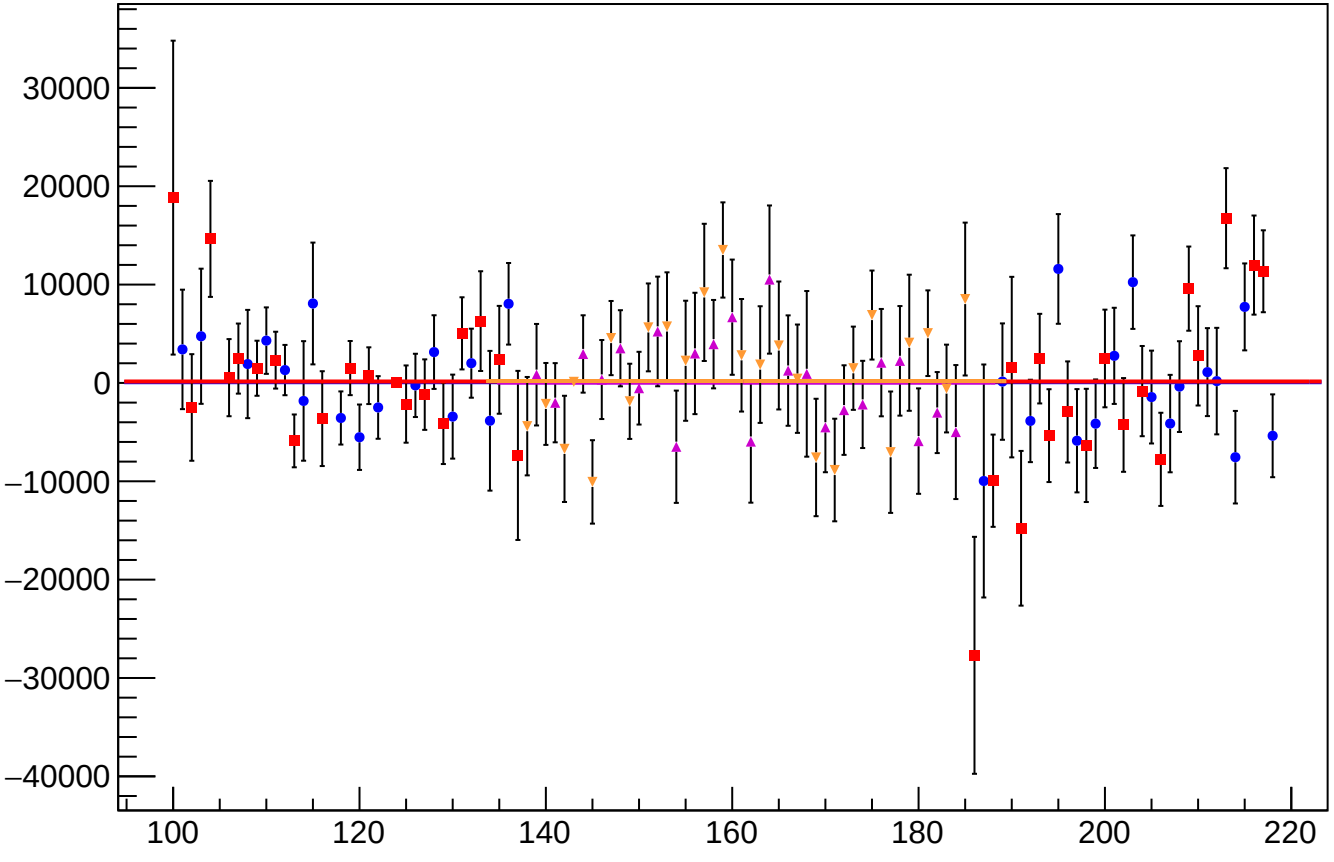
Left In: 1689.259+/-0.279 χ^2/NDF:122317.9/22

\+ sign 1662.711+/-0.188 χ^2/NDF: 647720.2/56

All: 1665.268+/-0.133 χ^2/NDF: 1207254.7/11

\- sign 1667.877+/-0.190 χ^2/NDF: 559159.5/58

asym_atl_dd_cor_correction_mean vs Slug



Right In: 71.895+/-756.147 χ^2/NDF: 36.5/31

Left Out: 193.916+/-343.107 χ^2/NDF:33.9/24

Right Out: 146.973+/-306.030 χ^2/NDF: 70.0/35

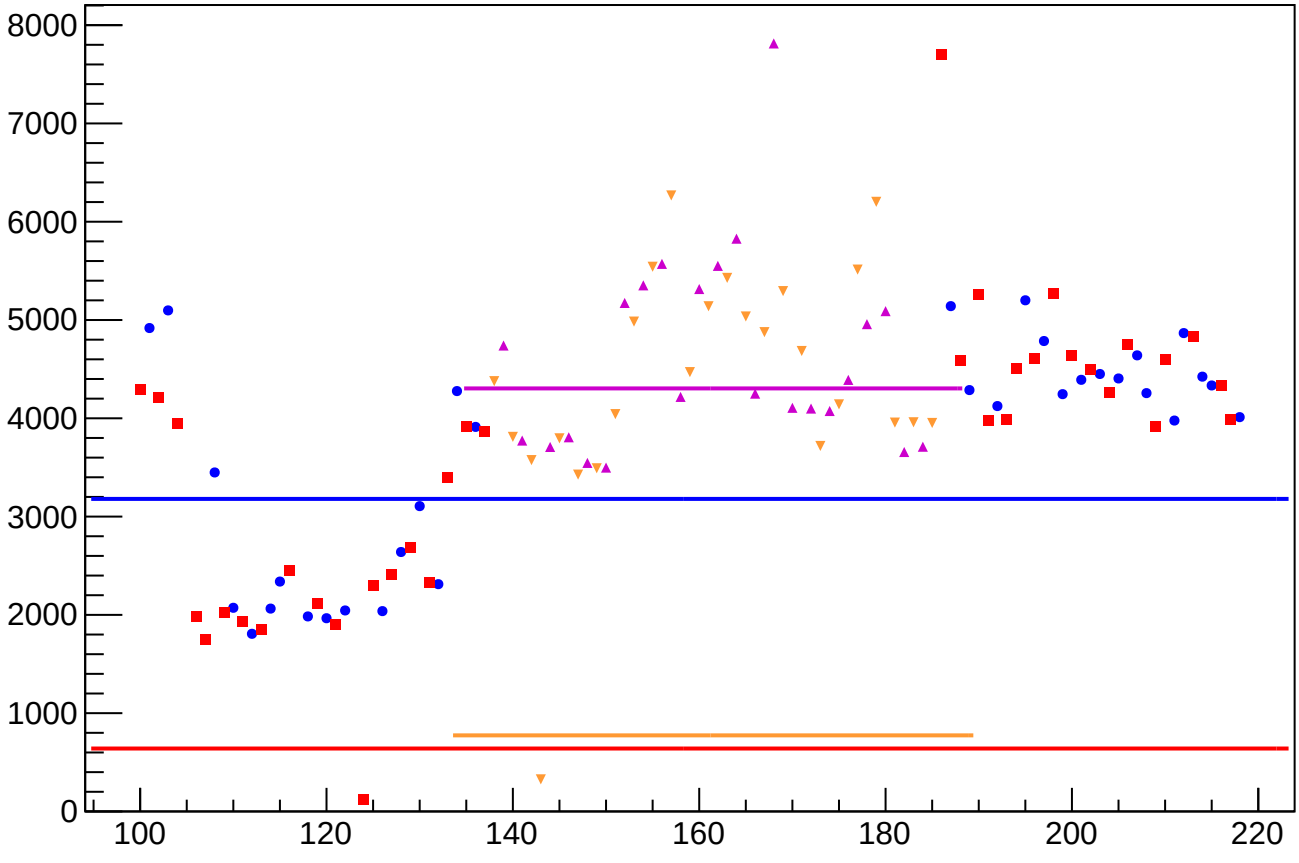
Left In: 28.766+/-1025.480 χ^2/NDF:13.3/22

+ sign 173.082+/-312.446 χ^2/NDF: 70.4/56

All: 154.062+/-213.824 χ^2/NDF: 153.7/115

- sign 137.307+/-293.251 χ^2/NDF: 83.3/58

asym_atl_dd_cor_correction_rms vs Slug



Right In: 3179.919+/-0.535 χ^2/NDF: 4742533.8/31

Left Out: 774.143+/-0.243 χ^2/NDF:28086455.1/24

Right Out: 640.294+/-0.216 χ^2/NDF: 32003198.7/35

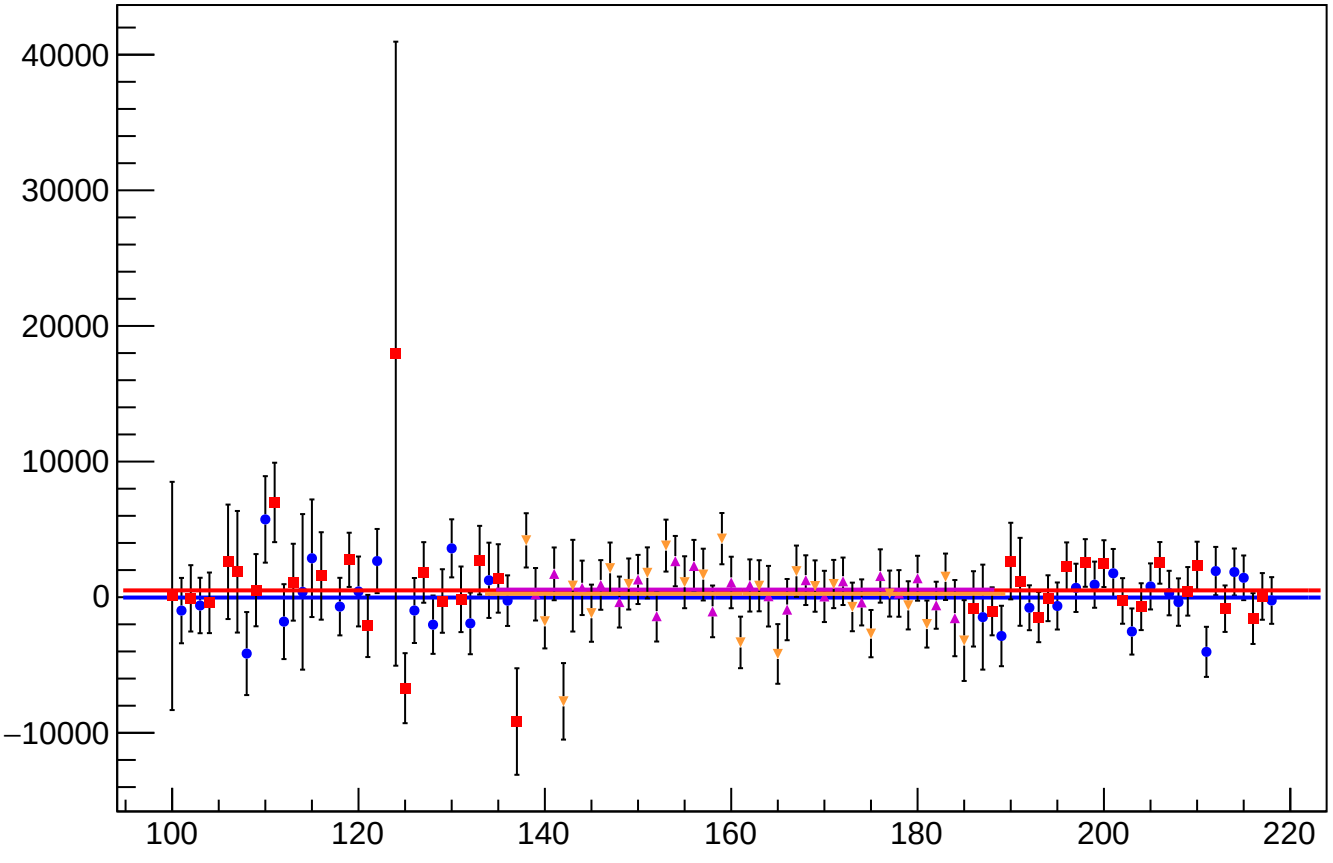
Left In: 4304.001+/-0.725 χ^2/NDF:1216572.3/22

+ sign 1184.908+/-0.221 χ^2/NDF: 49617731.3/56

All: 1054.645+/-0.151 χ^2/NDF: 106931832.1/

- sign 939.896+/-0.207 χ^2/NDF: 56660235.7/58

eigen_cor_asym_atl_dd_mean vs Slug



Right In: -25.008+/-363.217 χ^2/NDF: 26.4/31

Left Out: 248.216+/-388.827 χ^2/NDF:39.6/24

Right Out: 502.554+/-365.605 χ^2/NDF: 36.0/35

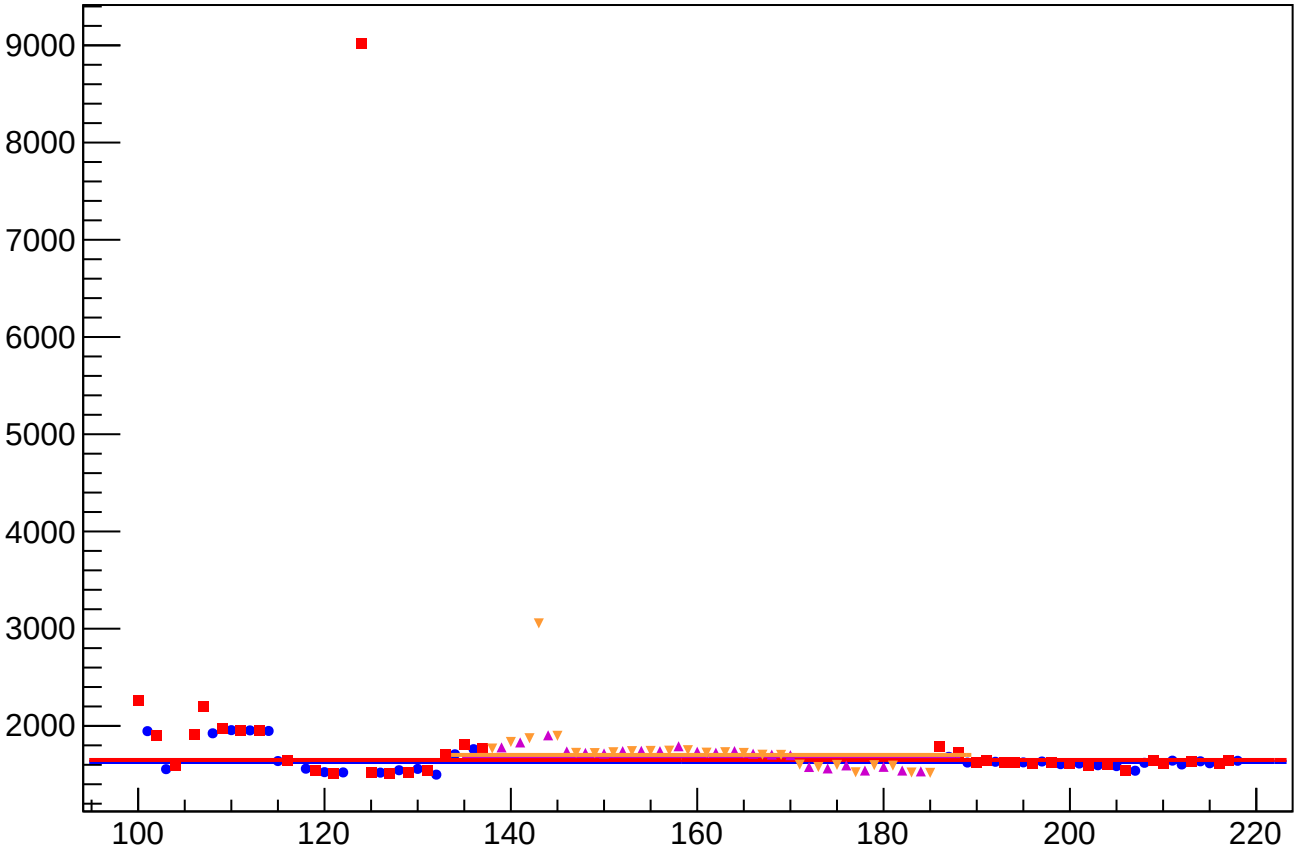
Left In: 559.960+/-395.112 χ^2/NDF:7.5/22

+ sign 102.311+/-265.426 χ^2/NDF: 66.2/56

All: 313.336+/-188.709 χ^2/NDF: 111.0/115

- sign 529.034+/-268.348 χ^2/NDF: 43.5/58

eigen_cor_asym_atl_dd_rms vs Slug



Right In: 1628.791+/-0.257 χ^2/NDF: 157909.8/31

Left Out: 1701.583+/-0.275 χ^2/NDF:452379.0/24

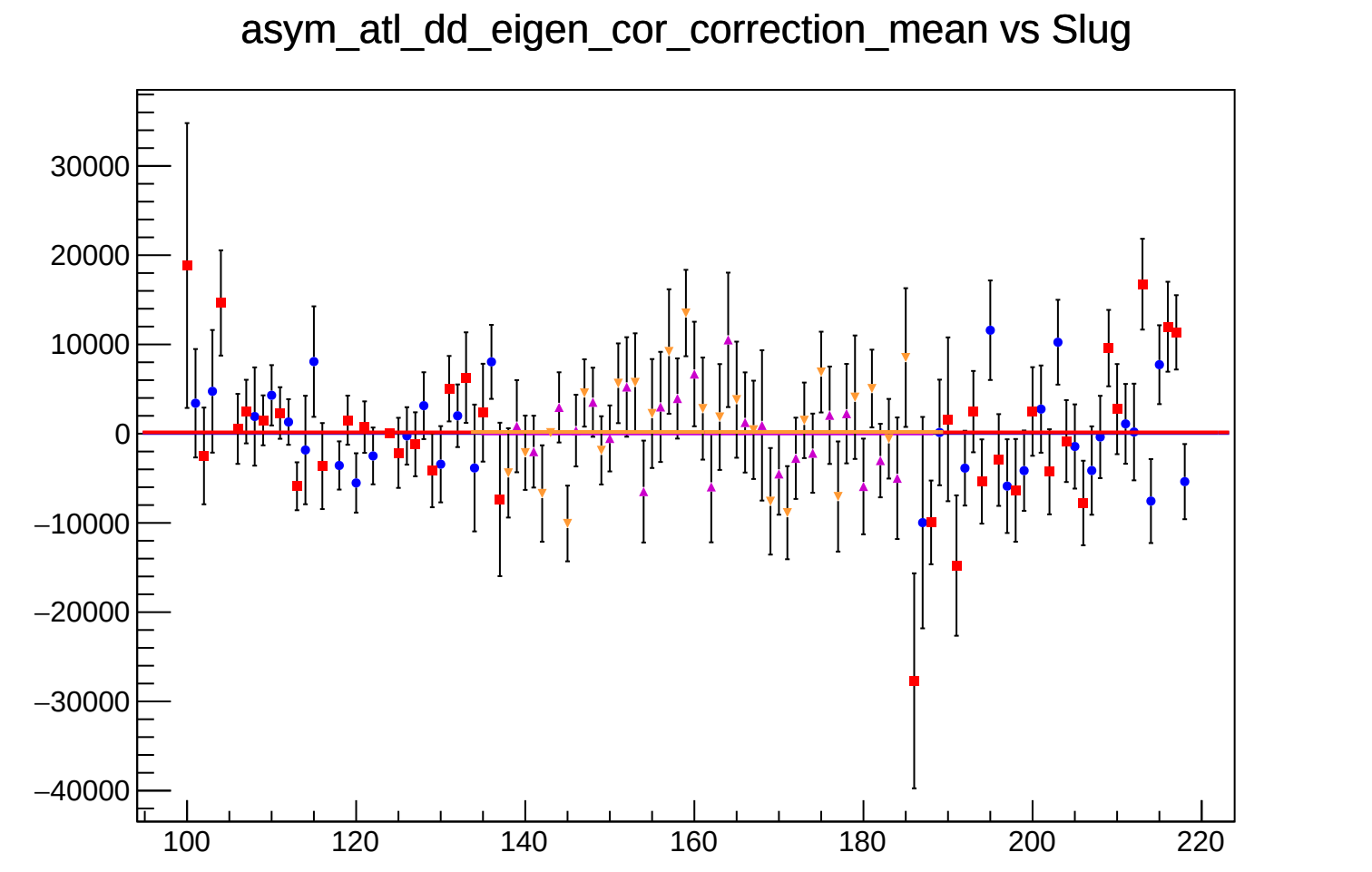
Right Out: 1649.621+/-0.258 χ^2/NDF: 425983.8/35

Left In: 1689.259+/-0.279 χ^2/NDF:122317.9/22

+ sign 1662.711+/-0.188 χ^2/NDF: 647720.2/56

All: 1665.268+/-0.133 χ^2/NDF: 1207254.7/11

- sign 1667.877+/-0.190 χ^2/NDF: 559159.5/58



Right In: 71.895+/-756.147 χ^2/NDF: 36.5/31

Left Out: 193.916+/-343.107 χ^2/NDF:33.9/24

Right Out: 146.973+/-306.030 χ^2/NDF: 70.0/35

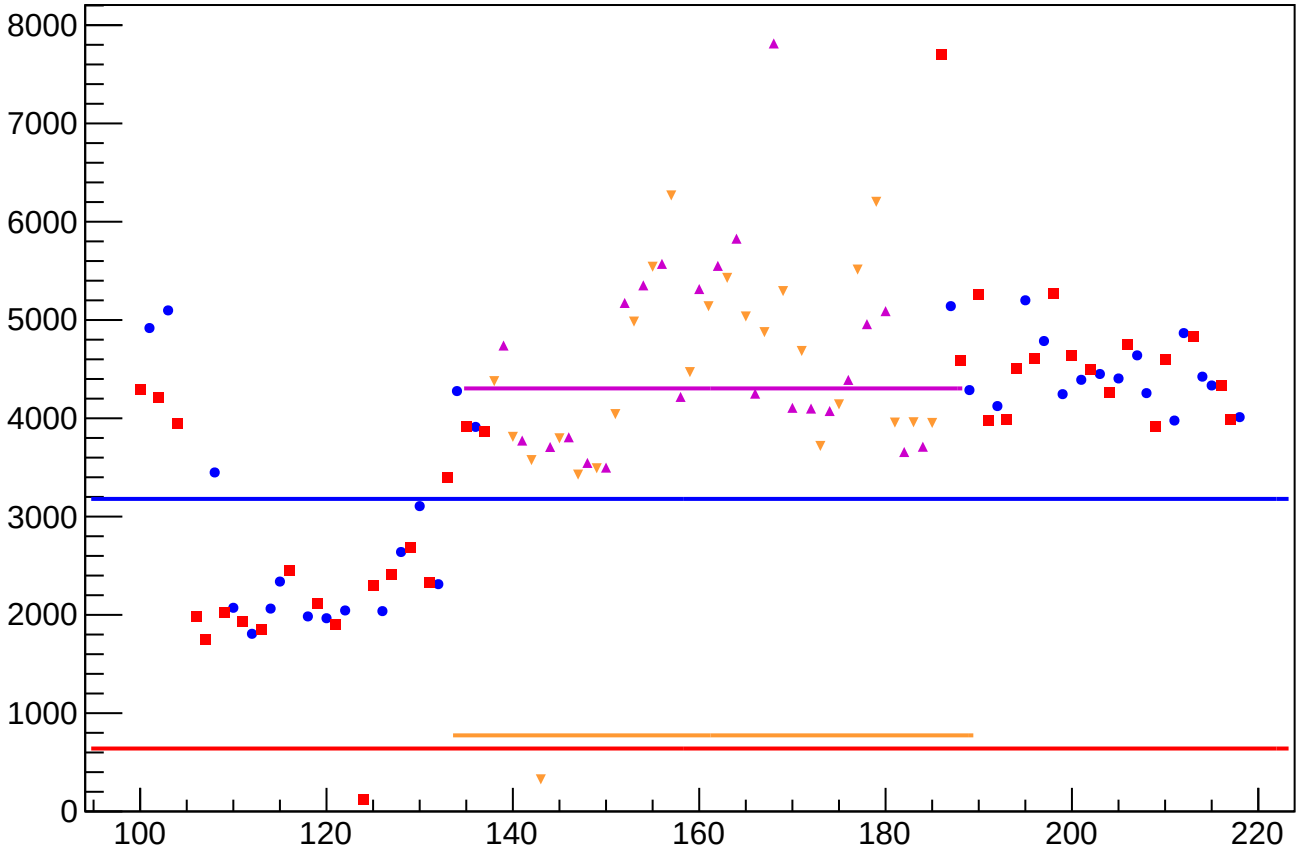
Left In: 28.766+/-1025.480 χ^2/NDF:13.3/22

+ sign 173.082+/-312.446 χ^2/NDF: 70.4/56

All: 154.062+/-213.824 χ^2/NDF: 153.7/115

- sign 137.307+/-293.251 χ^2/NDF: 83.3/58

asym_atl_dd_eigen_cor_correction_rms vs Slug



Right In: 3179.919+/-0.535 χ^2/NDF: 4742533.8/31

Left Out: 774.143+/-0.243 χ^2/NDF:28086455.1/24

Right Out: 640.294+/-0.216 χ^2/NDF: 32003198.7/35

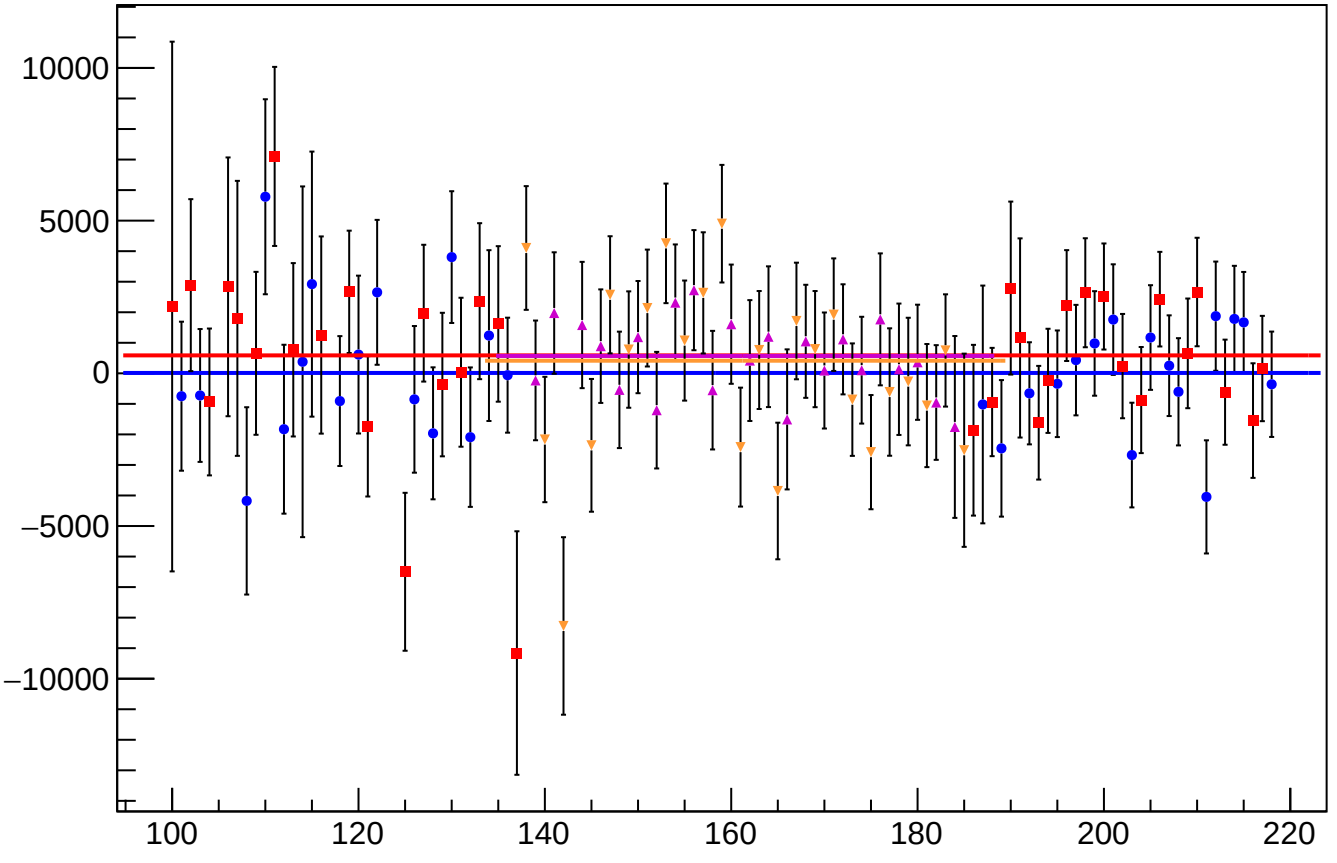
Left In: 4304.001+/-0.725 χ^2/NDF:1216572.3/22

+ sign 1184.908+/-0.221 χ^2/NDF: 49617731.3/56

All: 1054.645+/-0.151 χ^2/NDF: 106931832.1/

- sign 939.896+/-0.207 χ^2/NDF: 56660235.7/58

dit_asym_atl_dd_mean vs Slug



Right In: 12.543+/-365.985 χ^2/NDF: 26.6/31

Left Out: 413.309+/-410.536 χ^2/NDF:40.0/23

Right Out: 587.547+/-369.522 χ^2/NDF: 35.8/34

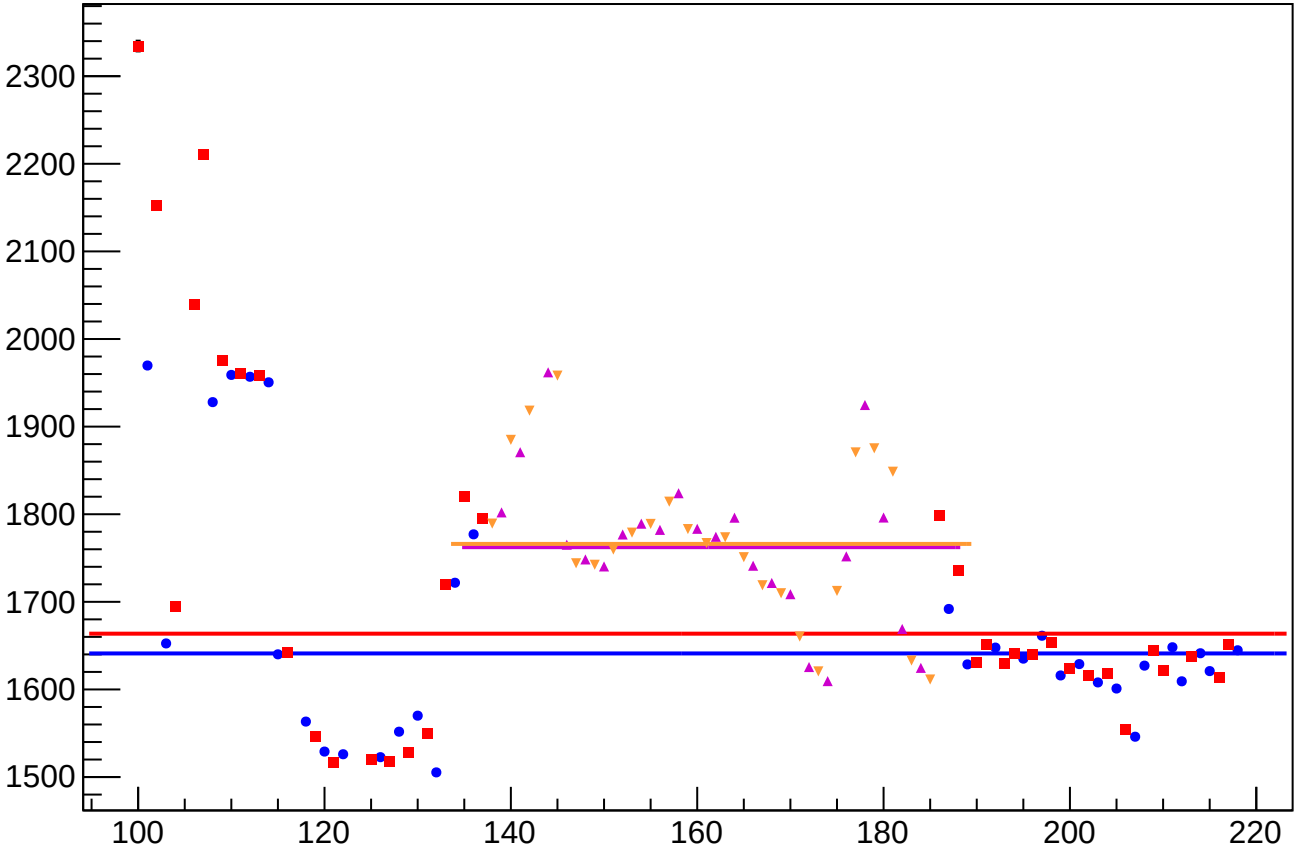
Left In: 568.823+/-412.052 χ^2/NDF:7.7/22

+ sign 190.009+/-273.189 χ^2/NDF: 67.2/55

All: 383.246+/-193.847 χ^2/NDF: 111.7/113

- sign 579.200+/-275.103 χ^2/NDF: 43.5/57

dit_asym_atl_dd_rms vs Slug



Right In: 1641.103+/-0.259 χ^2/NDF: 157111.0/31

Left Out: 1766.115+/-0.290 χ^2/NDF:83252.4/23

Right Out: 1663.663+/-0.261 χ^2/NDF: 268720.4/34

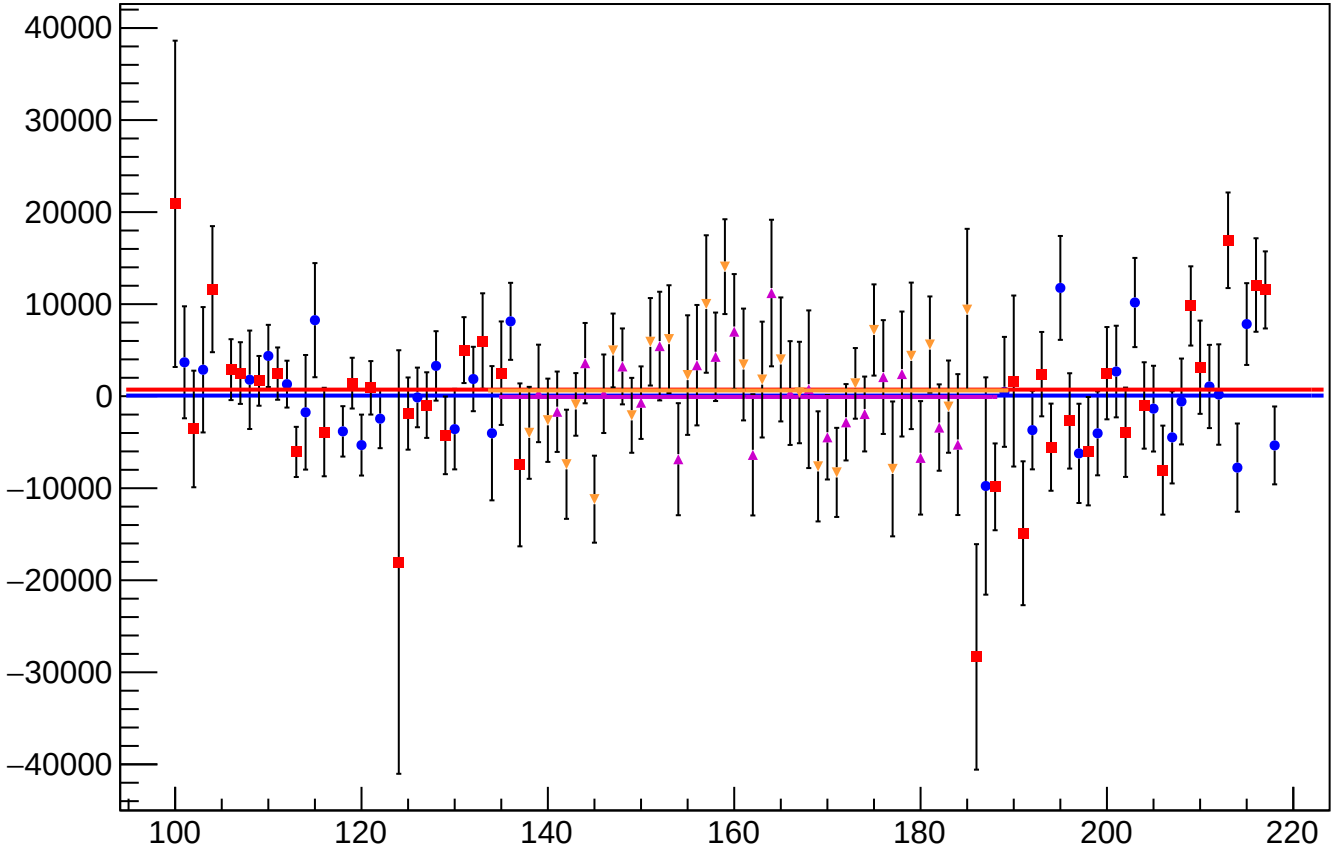
Left In: 1762.405+/-0.291 χ^2/NDF:80090.6/22

+ sign 1696.460+/-0.193 χ^2/NDF: 343694.1/55

All: 1702.013+/-0.137 χ^2/NDF: 757868.6/113

- sign 1707.640+/-0.194 χ^2/NDF: 412510.9/57

asym_atl_dd_dit_correction_mean vs Slug



Right In: 65.876+/-761.194 χ^2/NDF: 36.2/31

Left Out: 619.658+/-1034.658 χ^2/NDF:33.1/24

Right Out: 714.534+/-722.863 χ^2/NDF: 67.6/35

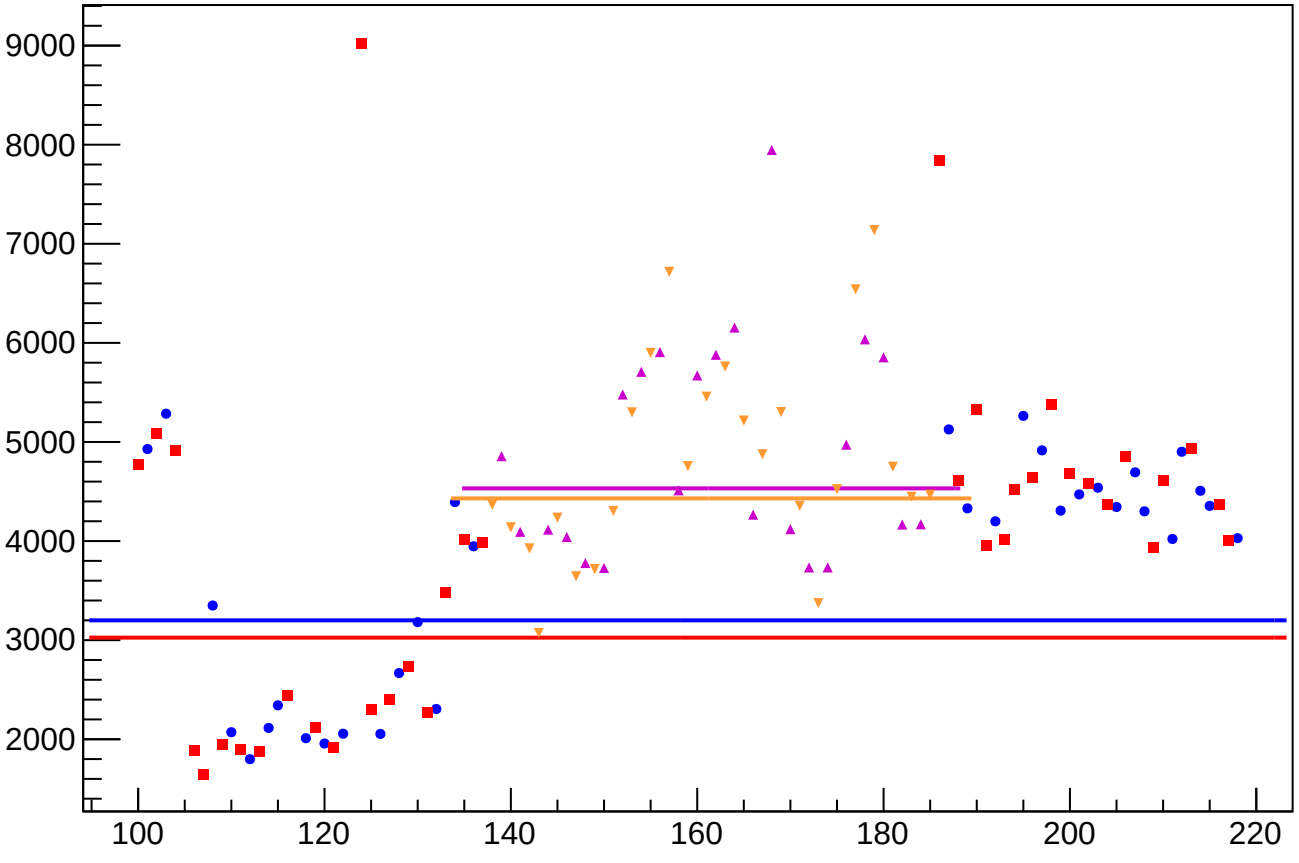
Left In: -85.511+/-1082.508 χ^2/NDF:12.9/22

+ sign 260.351+/-613.139 χ^2/NDF: 69.5/56

All: 366.125+/-429.254 χ^2/NDF: 150.4/115

- sign 467.804+/-601.153 χ^2/NDF: 80.9/58

asym_atl_dd_dit_correction_rms vs Slug



Right In: 3199.997+/-0.538 χ^2/NDF: 4866689.3/31

Left Out: 4430.796+/-0.732 χ^2/NDF:1613272.4/24

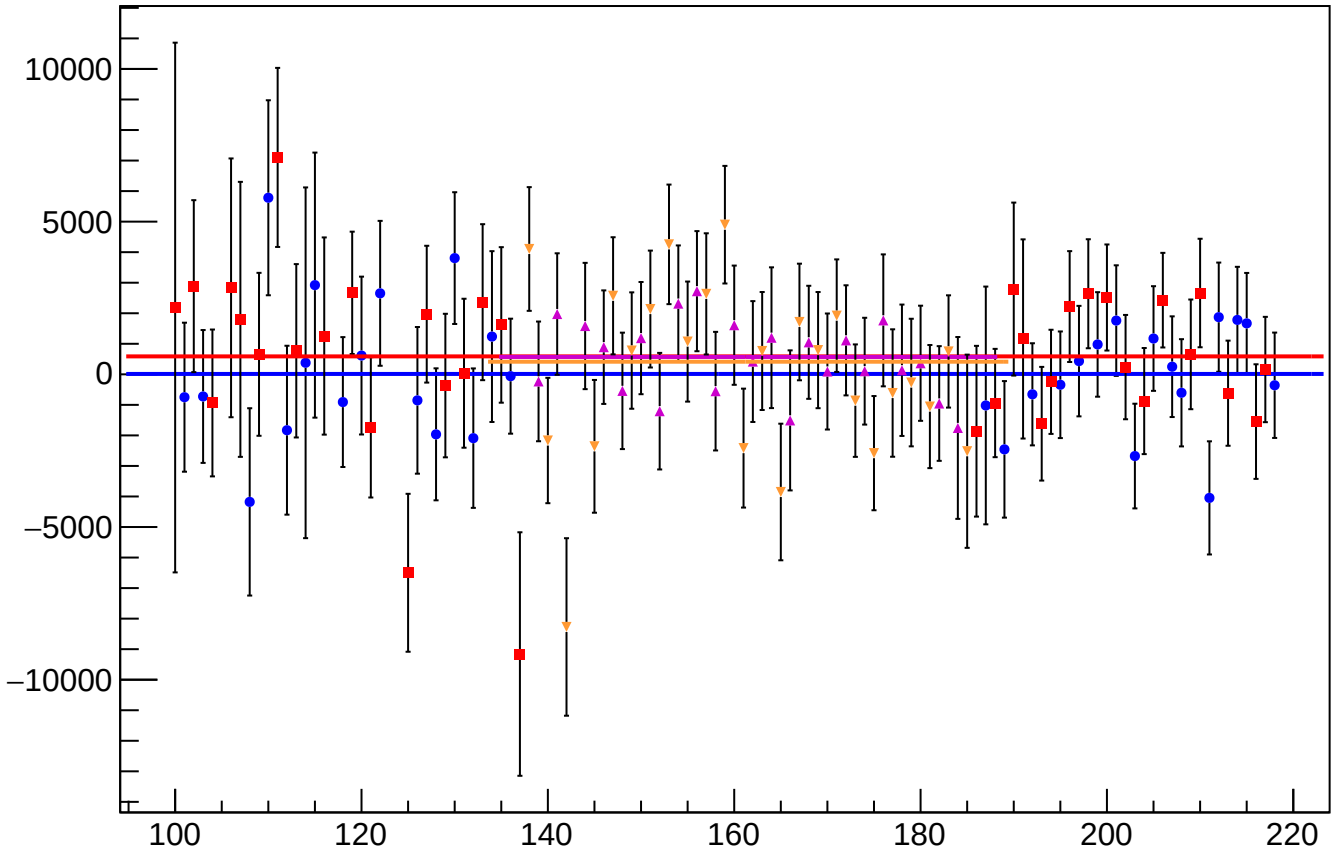
Right Out: 3025.503+/-0.511 χ^2/NDF: 6120762.6/35

Left In: 4531.944+/-0.765 χ^2/NDF:1376472.2/22

+ sign 3632.224+/-0.434 χ^2/NDF: 8316236.9/56

All: 3559.750+/-0.304 χ^2/NDF: 18547012.9/1

- sign 3490.082+/-0.425 χ^2/NDF: 10175971.4/58



Right In: 12.540+/-365.985 χ^2/NDF: 26.6/31

Left Out: 413.311+/-410.536 χ^2/NDF:40.0/23

Right Out: 587.544+/-369.522 χ^2/NDF: 35.8/34

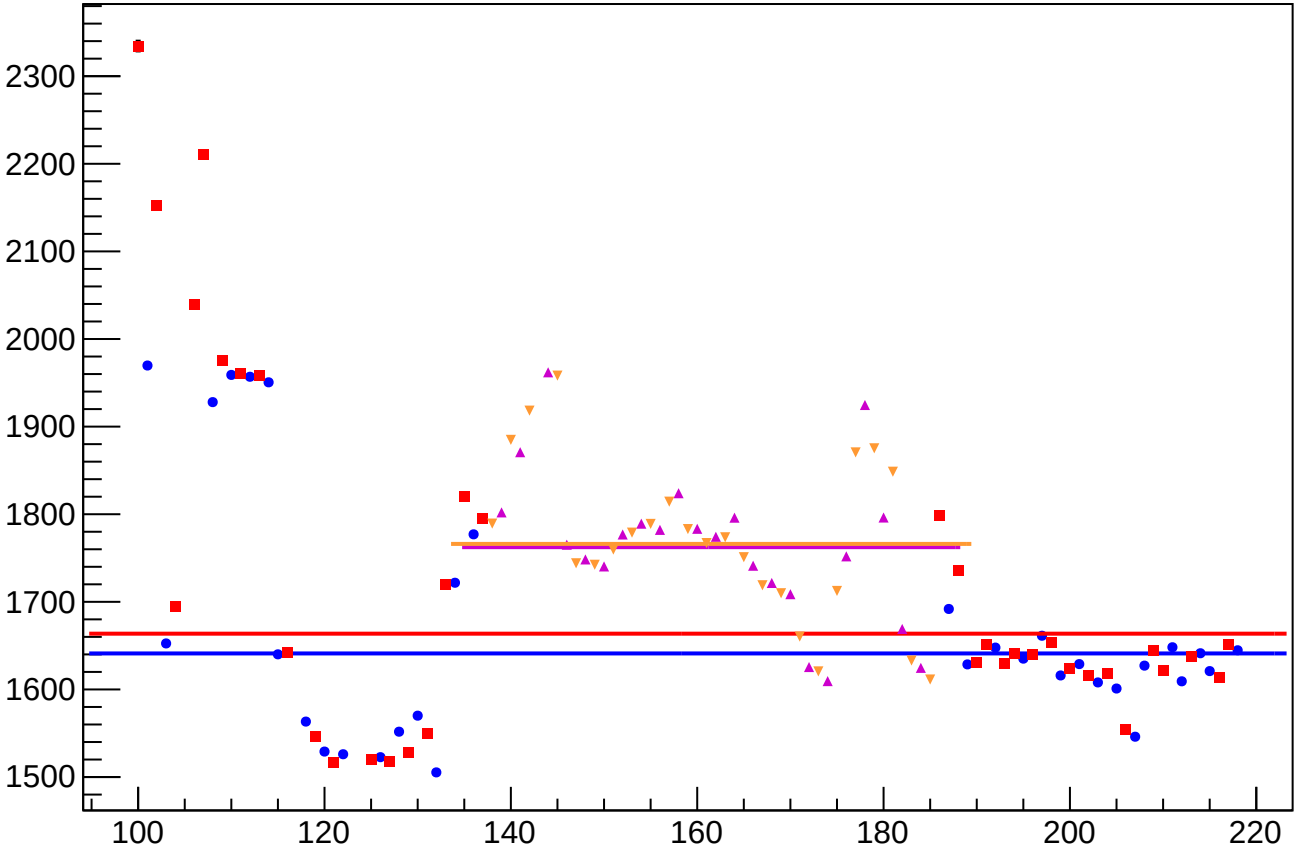
Left In: 568.821+/-412.052 χ^2/NDF:7.7/22

+ sign 190.008+/-273.189 χ^2/NDF: 67.2/55

All: 383.245+/-193.847 χ^2/NDF: 111.7/113

- sign 579.199+/-275.103 χ^2/NDF: 43.5/57

eigen_dit_asym_atl_dd_rms vs Slug



Right In: 1641.103+/-0.259 χ^2/NDF: 157111.0/31

Left Out: 1766.116+/-0.290 χ^2/NDF:83255.3/23

Right Out: 1663.663+/-0.261 χ^2/NDF: 268719.1/34

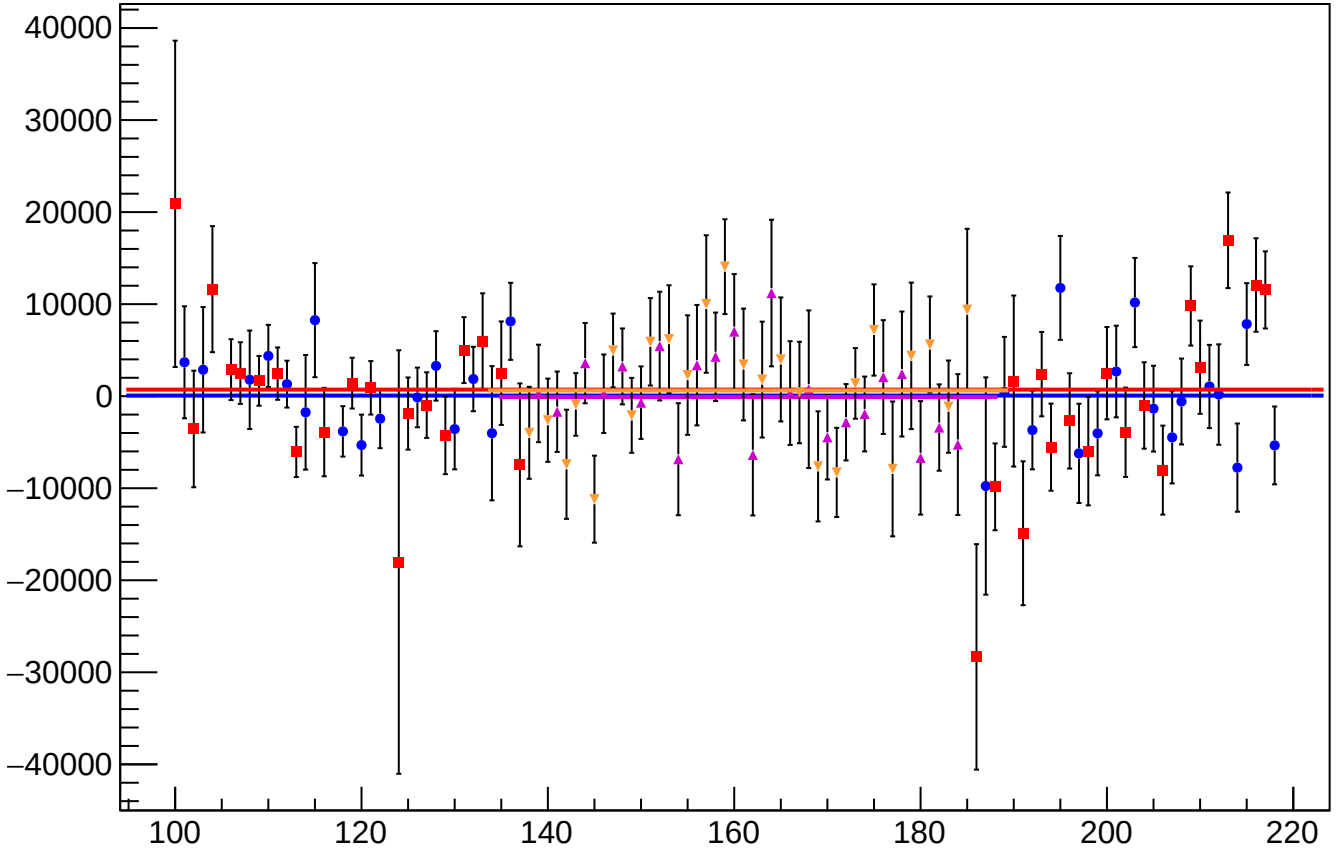
Left In: 1762.406+/-0.291 χ^2/NDF:80093.2/22

+ sign 1696.461+/-0.193 χ^2/NDF: 343698.5/55

All: 1702.014+/-0.137 χ^2/NDF: 757875.4/113

- sign 1707.640+/-0.194 χ^2/NDF: 412513.4/57

asym_atl_dd_eigen_dit_correction_mean vs Slug



Right In: 65.872+/-761.193 χ^2/NDF: 36.2/31

Left Out: 619.663+/-1034.659 χ^2/NDF:33.1/24

Right Out: 714.535+/-722.861 χ^2/NDF: 67.6/35

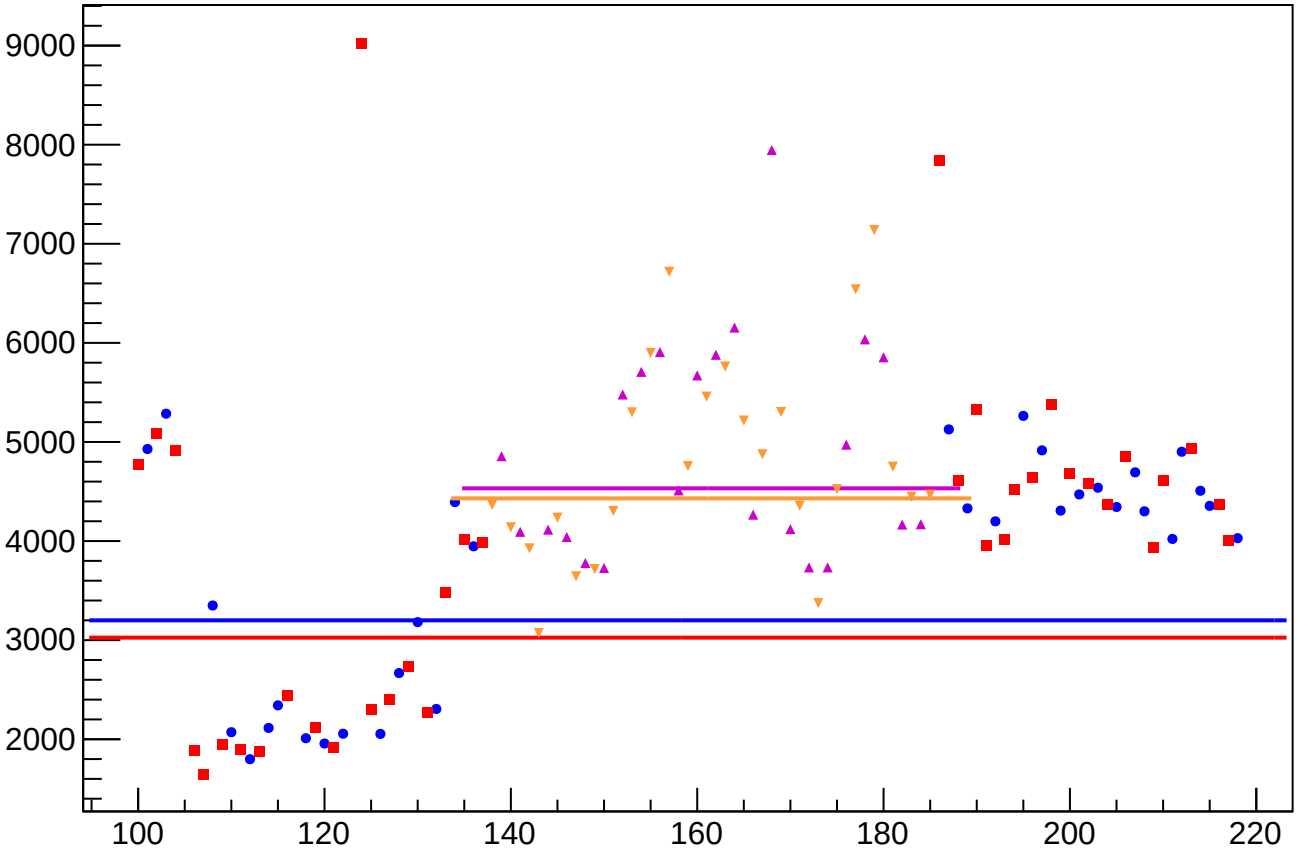
Left In: -85.511+/-1082.509 χ^2/NDF:12.9/22

\+ sign 260.349+/-613.139 χ^2/NDF: 69.5/56

All: 366.125+/-429.254 χ^2/NDF: 150.4/115

\- sign 467.806+/-601.152 χ^2/NDF: 80.9/58

asym_atl_dd_eigen_dit_correction_rms vs Slug



Right In: 3199.989+/-0.538 χ^2/NDF: 4866771.7/31

Left Out: 4430.803+/-0.732 χ^2/NDF:1613274.9/24

Right Out: 3025.494+/-0.511 χ^2/NDF: 6120828.5/35

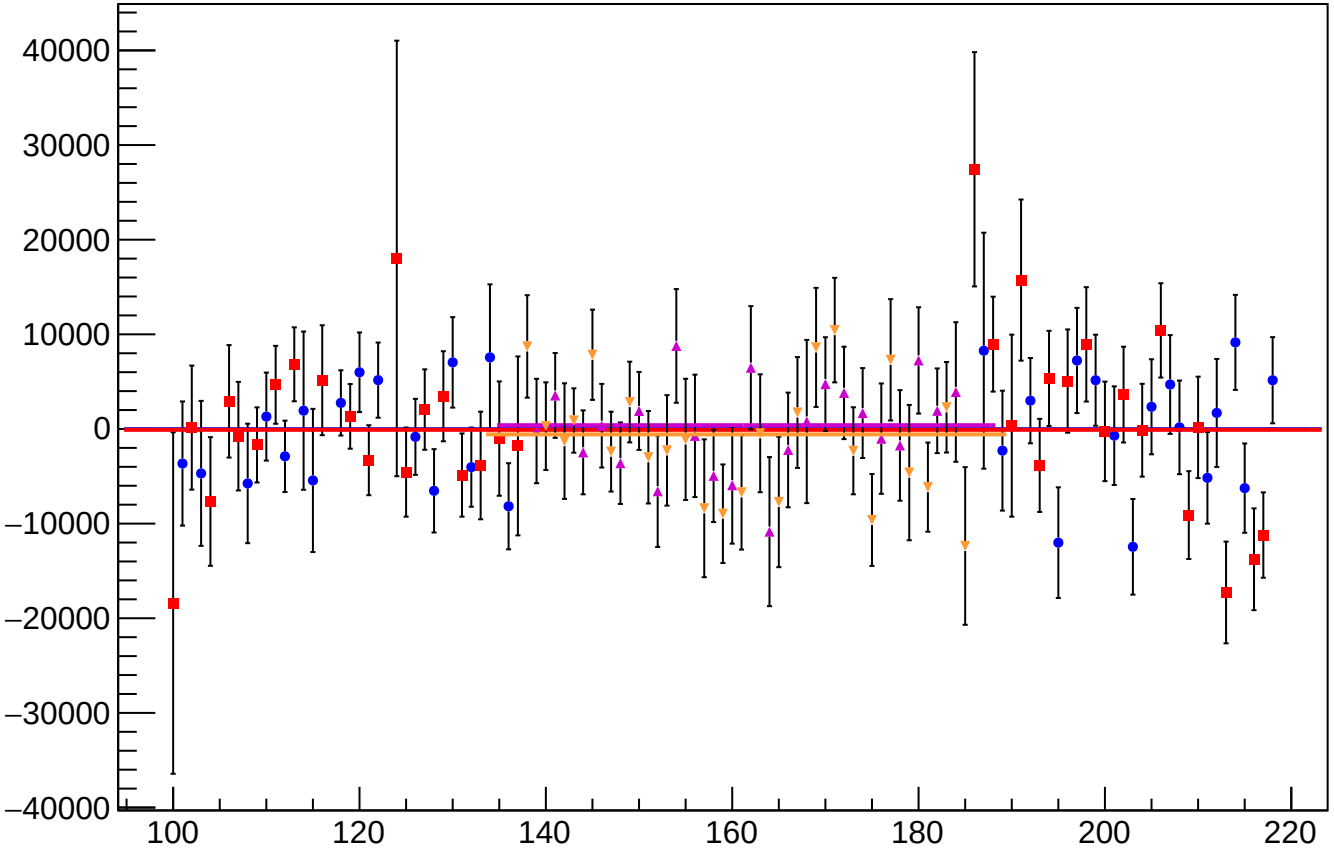
Left In: 4531.951+/-0.765 χ^2/NDF:1376473.4/22

+ sign 3632.219+/-0.434 χ^2/NDF: 8316366.1/56

All: 3559.745+/-0.304 χ^2/NDF: 18547263.0/1

- sign 3490.076+/-0.425 χ^2/NDF: 10176091.4/58

asym_atl_dd_mean vs Slug



Right In: -23.920+/-883.050 χ^2/NDF: 39.4/31

Left Out: -573.122+/-1054.836 χ^2/NDF:28.8/24

Right Out: -86.184+/-870.112 χ^2/NDF: 61.0/35

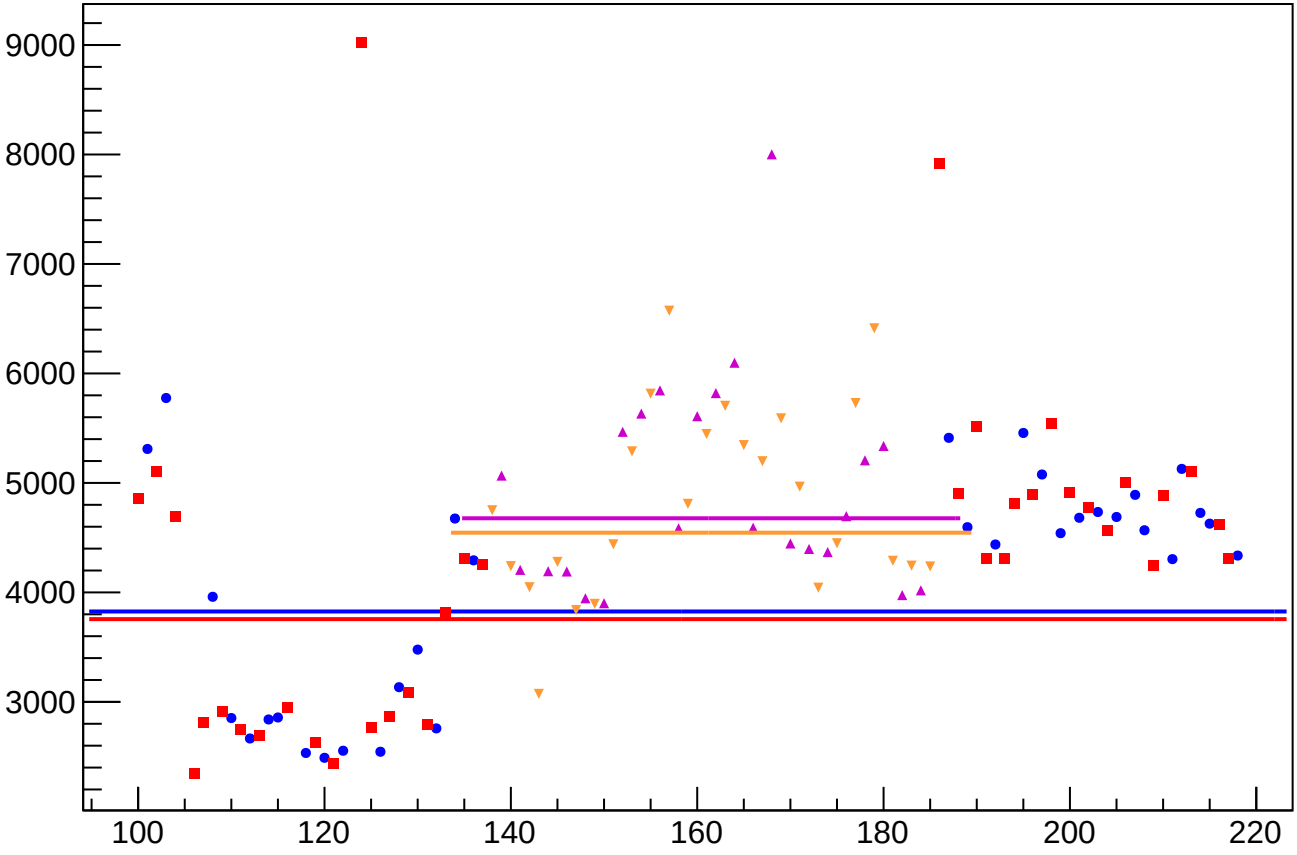
Left In: 398.404+/-1109.490 χ^2/NDF:14.0/22

+ sign -250.216+/-677.107 χ^2/NDF: 68.3/56

All: -77.866+/-481.440 χ^2/NDF: 143.6/115

- sign 98.357+/-684.674 χ^2/NDF: 75.1/58

asym_atl_dd_rms vs Slug



Right In: 3825.782+/-0.624 χ^2/NDF: 2675129.1/31

Left Out: 4545.493+/-0.746 χ^2/NDF:1258528.5/24

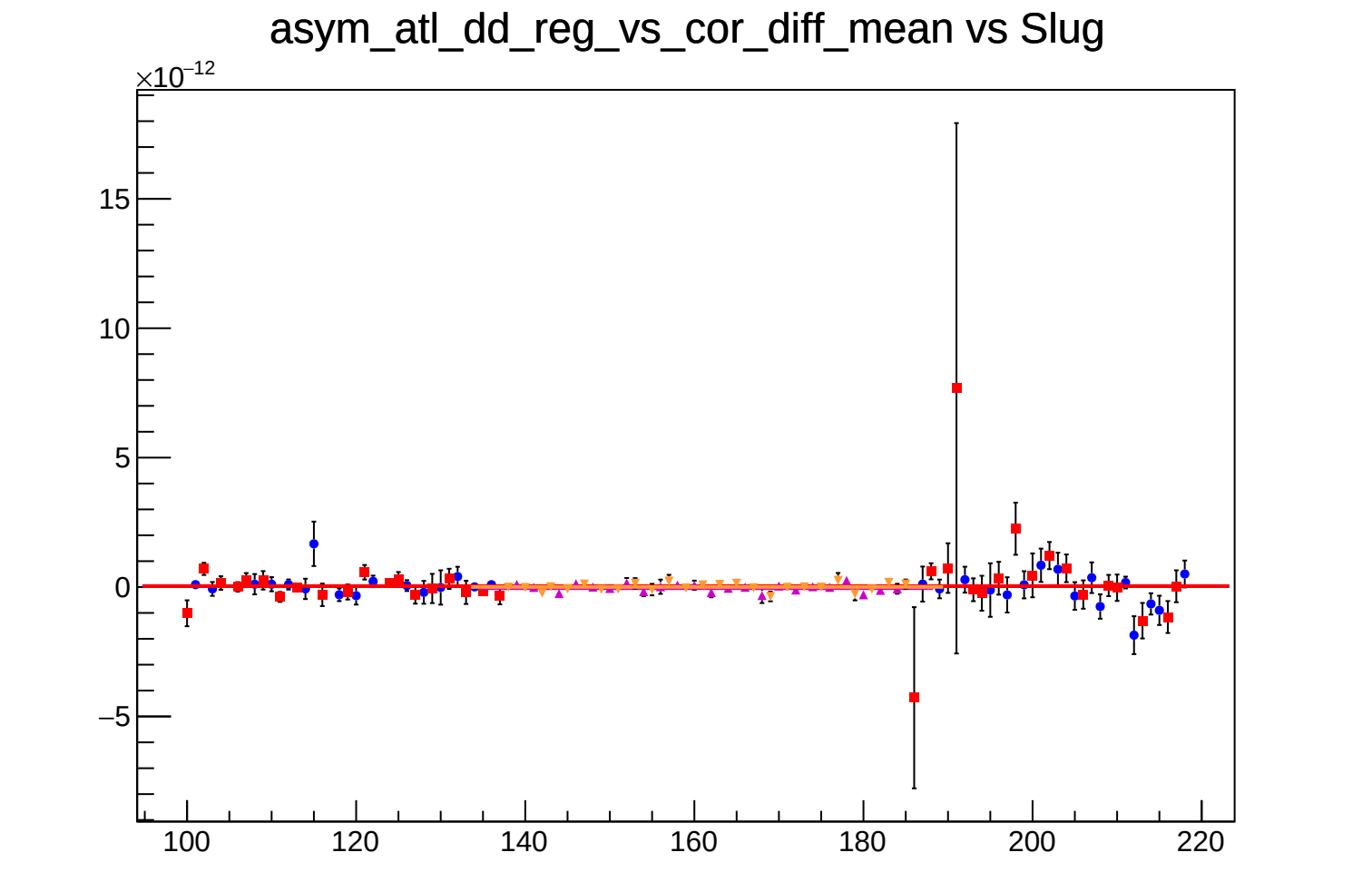
Right Out: 3755.912+/-0.610 χ^2/NDF: 3146342.2/35

Left In: 4677.049+/-0.785 χ^2/NDF:959885.7/22

\+ sign 4122.335+/-0.479 χ^2/NDF: 4481077.7/56

All: 4112.892+/-0.340 χ^2/NDF: 9446722.1/11

\- sign 4103.329+/-0.482 χ^2/NDF: 4964861.5/58



Right In: 0.000+/-0.000 χ^2/NDF: 29.7/31

Left Out: 0.000+/-0.000 χ^2/NDF:18.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 56.4/35

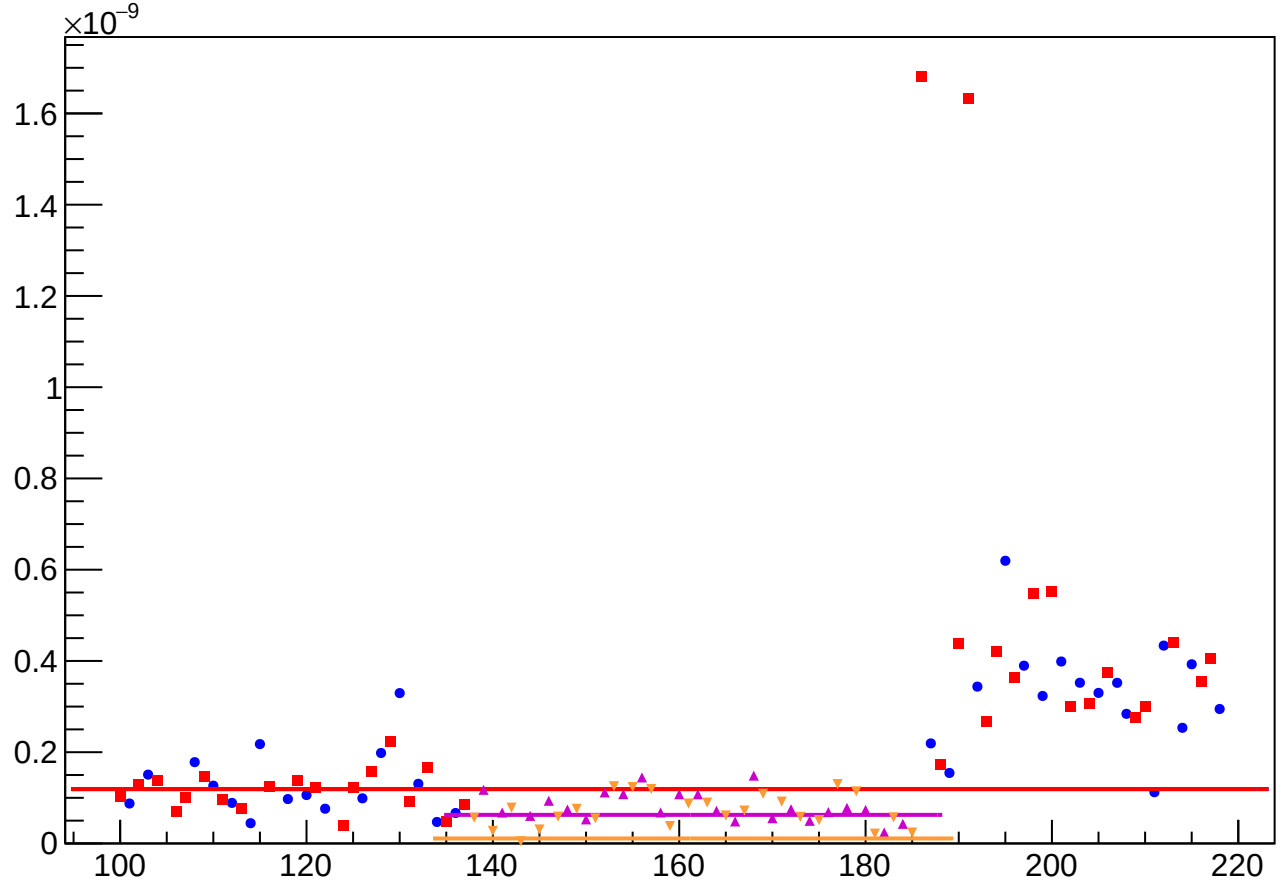
Left In: -0.000+/-0.000 χ^2/NDF:20.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 48.2/56

All: 0.000+/-0.000 χ^2/NDF: 128.9/115

- sign -0.000+/-0.000 χ^2/NDF: 79.0/58

asym_atl_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 5848004.5/31

Left Out: 0.000+/-0.000 χ^2/NDF:9705530.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6780314.6/35

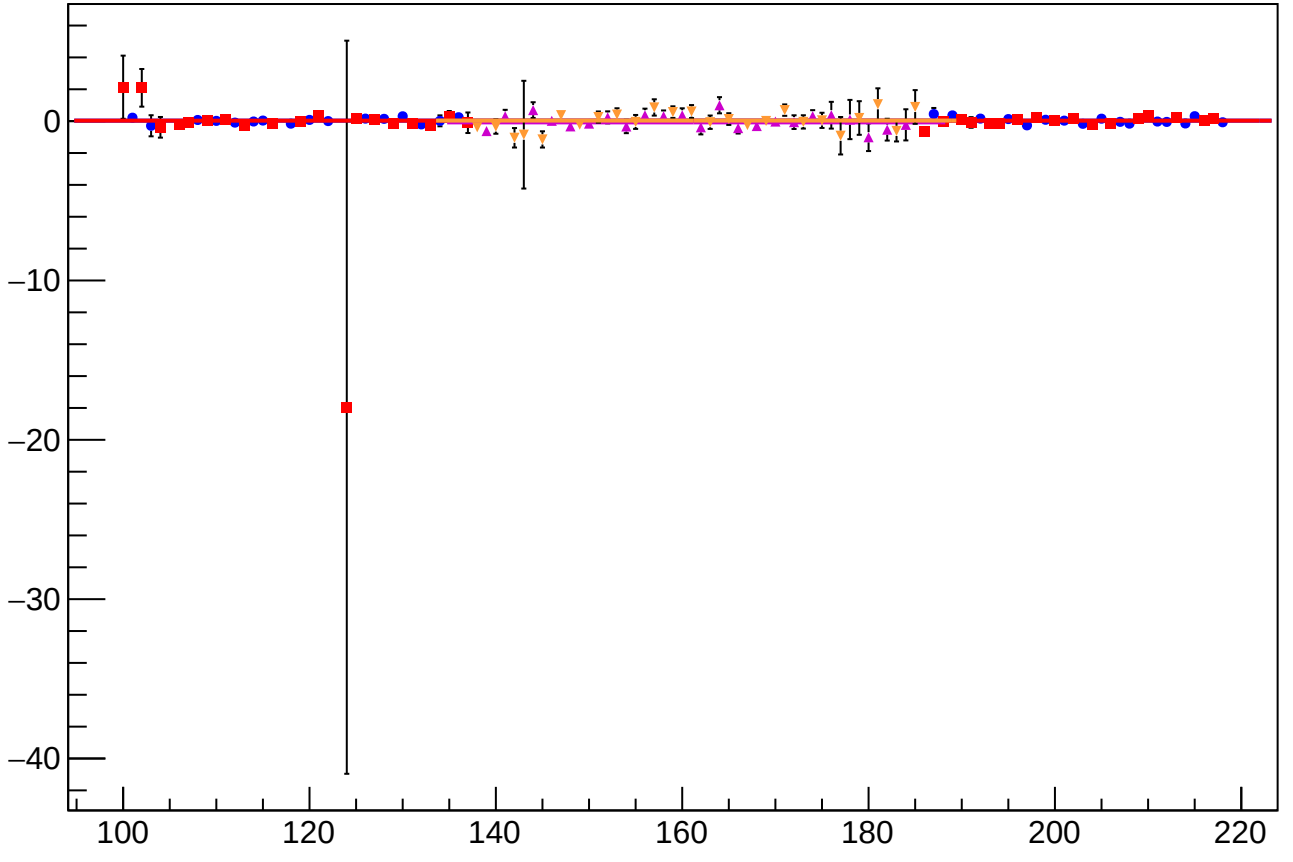
Left In: 0.000+/-0.000 χ^2/NDF:2092071.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 24289915.0/56

All: 0.000+/-0.000 χ^2/NDF: 47047014.0/115

- sign 0.000+/-0.000 χ^2/NDF: 10780382.5/58

asym_atl_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.031+/-0.030 χ^2/NDF: 28.1/31

Left Out: 0.036+/-0.077 χ^2/NDF:29.7/24

Right Out: 0.030+/-0.029 χ^2/NDF: 44.5/35

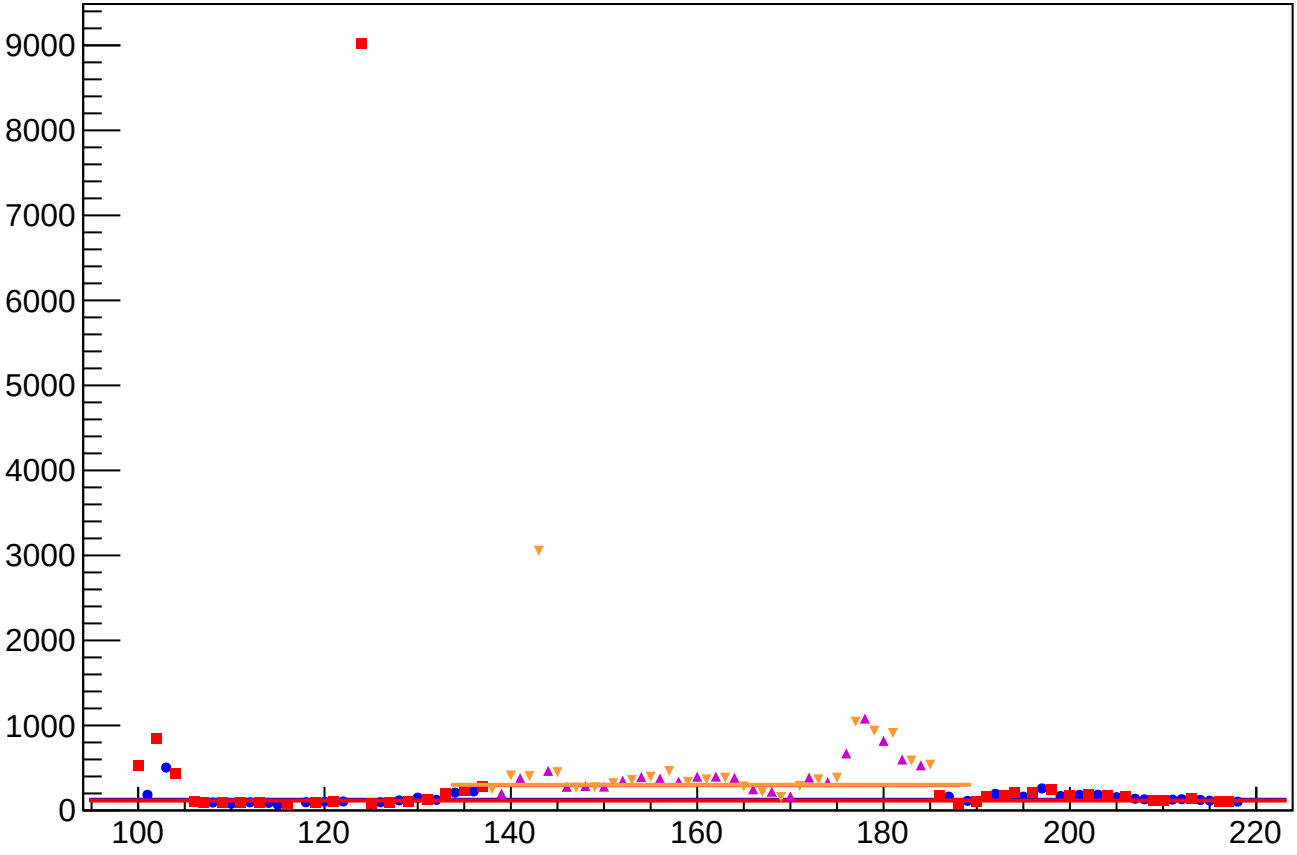
Left In: -0.078+/-0.076 χ^2/NDF:24.1/22

+ sign 0.032+/-0.028 χ^2/NDF: 57.8/56

All: 0.024+/-0.019 χ^2/NDF: 128.3/115

- sign 0.017+/-0.027 χ^2/NDF: 70.4/58

asym_atl_dd_dit_vs_cor_diff_rms vs Slug



Right In: 125.772+/-0.021 χ^2/NDF: 3566083.0/31

Left Out: 301.735+/-0.054 χ^2/NDF:6693517.2/24

Right Out: 116.392+/-0.020 χ^2/NDF: 5552161.7/35

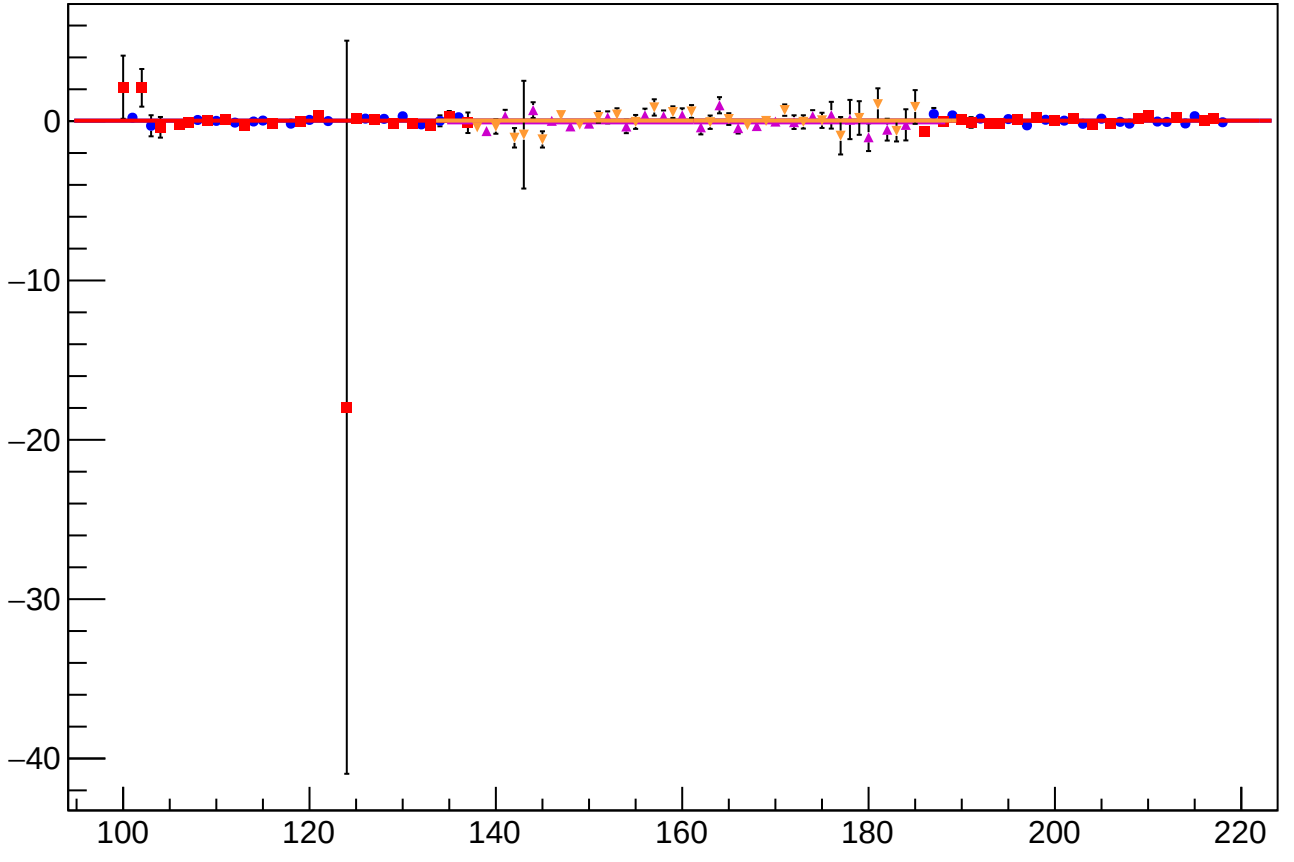
Left In: 296.875+/-0.054 χ^2/NDF:4917907.0/22

+ sign 149.085+/-0.020 χ^2/NDF: 19336327.0/56

All: 143.692+/-0.014 χ^2/NDF: 39895463.1/11

- sign 138.794+/-0.019 χ^2/NDF: 20417585.3/58

asym_atl_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.031+/-0.030 χ^2/NDF: 28.1/31

Left Out: 0.036+/-0.077 χ^2/NDF:29.7/24

Right Out: 0.030+/-0.029 χ^2/NDF: 44.5/35

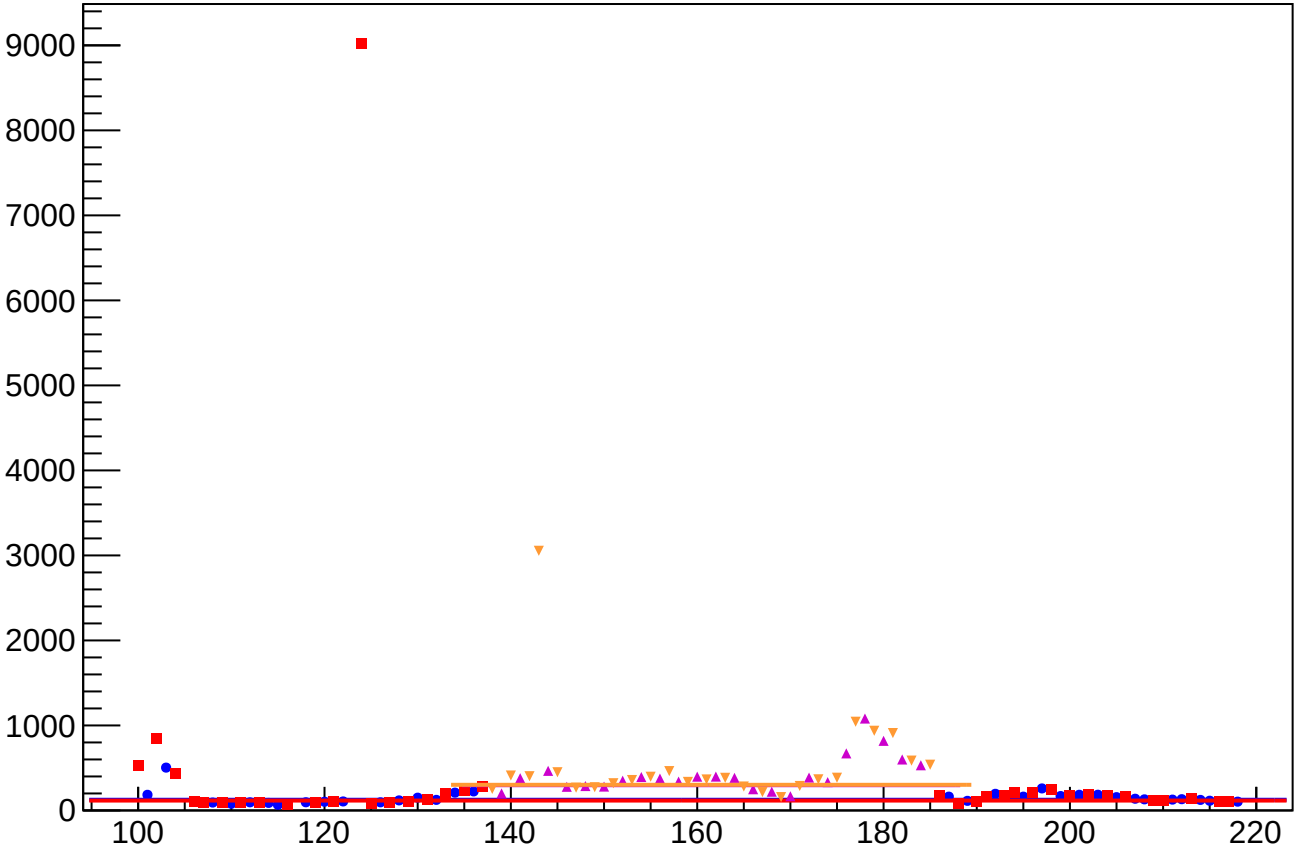
Left In: -0.078+/-0.076 χ^2/NDF:24.1/22

+ sign 0.032+/-0.028 χ^2/NDF: 57.8/56

All: 0.024+/-0.019 χ^2/NDF: 128.3/115

- sign 0.017+/-0.027 χ^2/NDF: 70.4/58

asym_atl_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 125.772+/-0.021 χ^2/NDF: 3566083.0/31

Left Out: 301.735+/-0.054 χ^2/NDF:6693517.2/24

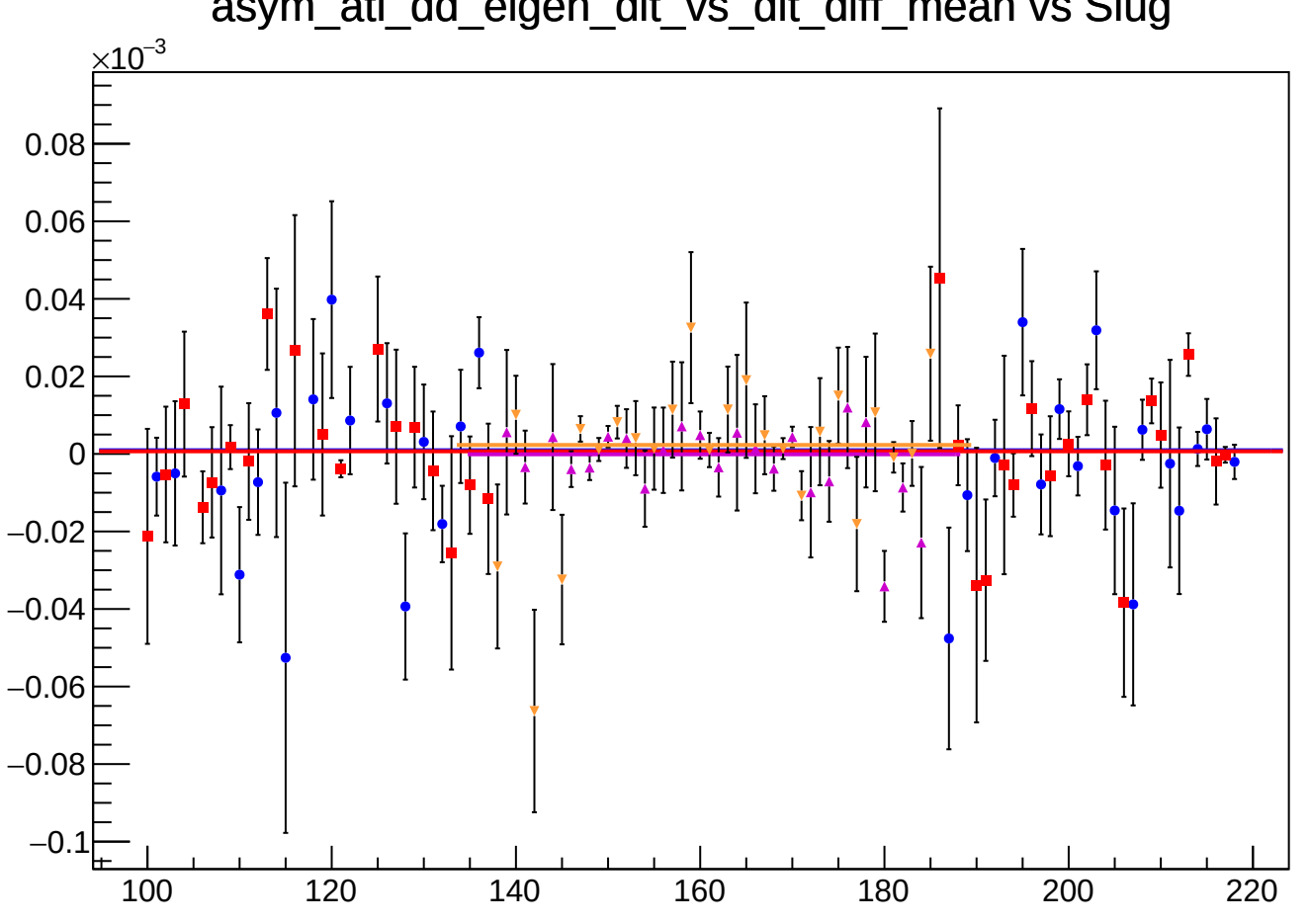
Right Out: 116.392+/-0.020 χ^2/NDF: 5552161.7/35

Left In: 296.875+/-0.054 χ^2/NDF:4917907.0/22

+ sign 149.085+/-0.020 χ^2/NDF: 19336327.0/56

All: 143.692+/-0.014 χ^2/NDF: 39895463.1/11

- sign 138.794+/-0.019 χ^2/NDF: 20417585.3/58



Right In: 0.000+/-0.000 χ^2/NDF: 43.9/31

Left Out: 0.000+/-0.000 χ^2/NDF:31.2/23

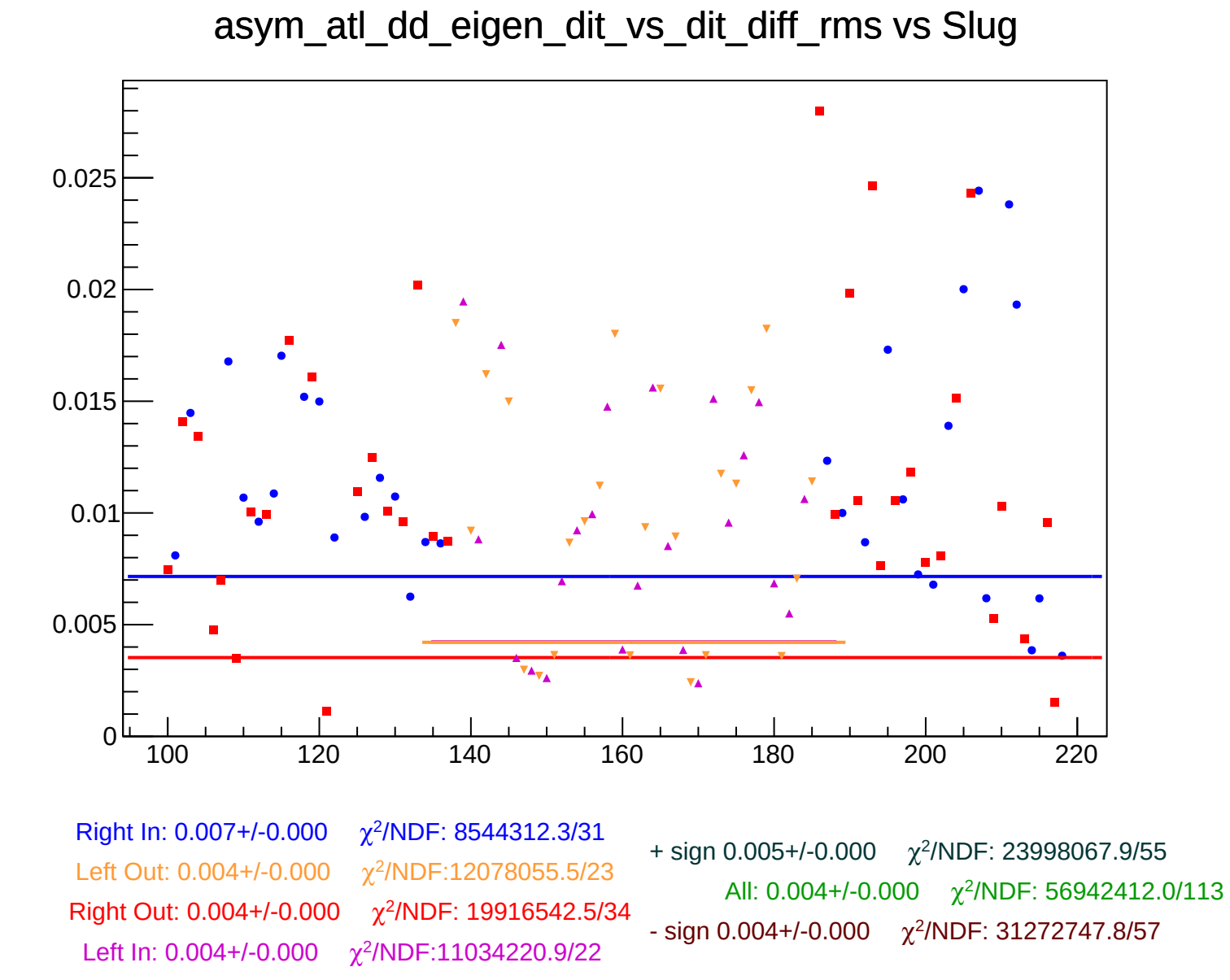
Right Out: 0.000+/-0.000 χ^2/NDF: 56.4/34

Left In: -0.000+/-0.000 χ^2/NDF:29.1/22

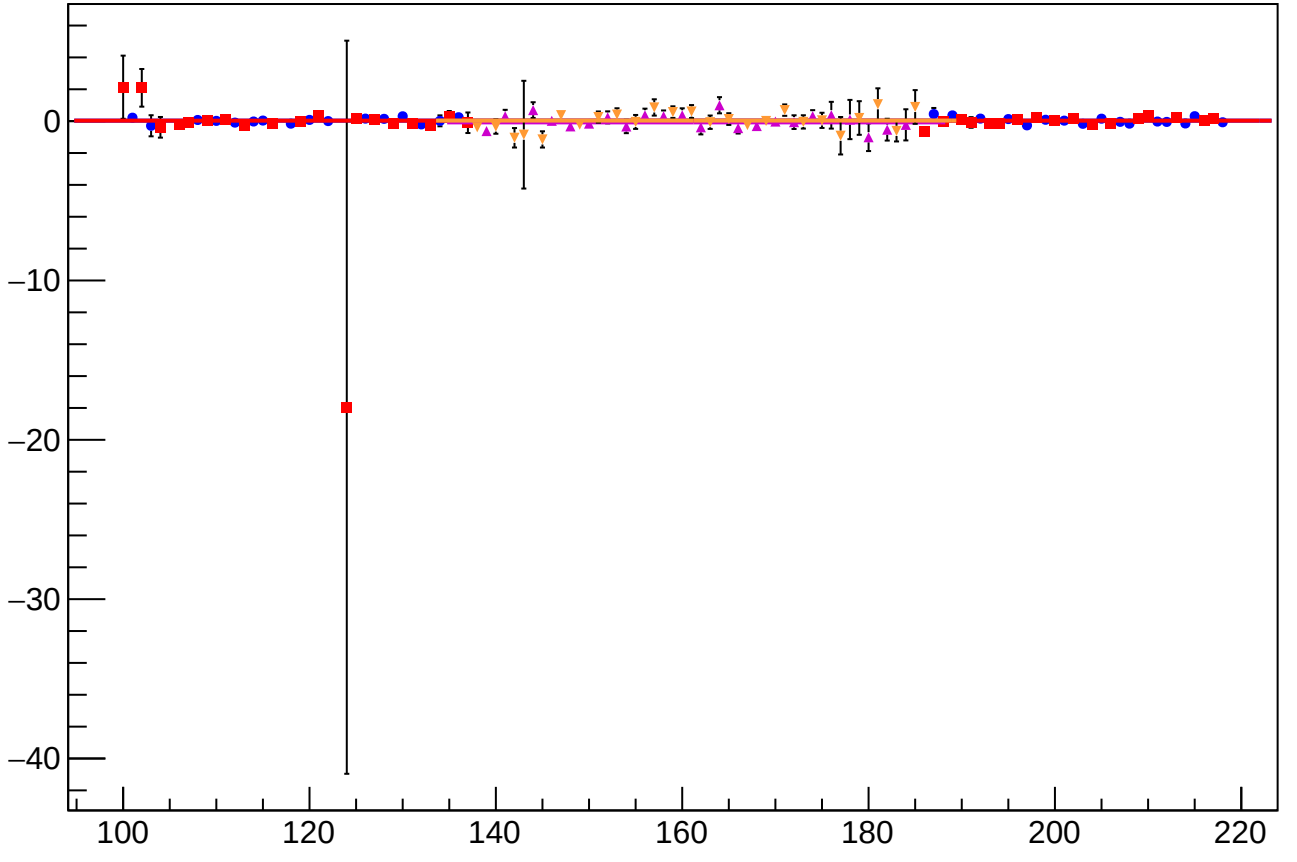
+ sign 0.000+/-0.000 χ^2/NDF: 75.4/55

All: 0.000+/-0.000 χ^2/NDF: 162.4/113

- sign 0.000+/-0.000 χ^2/NDF: 85.7/57


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
200
220
Right In: 0.007+/-0.000 χ²/NDF: 8544312.3/31
Left Out: 0.004+/-0.000 χ²/NDF:12078055.5/23
Right Out: 0.004+/-0.000 χ²/NDF: 19916542.5/34
Left In: 0.004+/-0.000 χ²/NDF:11034220.9/22
+ sign 0.005+/-0.000 χ²/NDF: 23998067.9/55
All: 0.004+/-0.000 χ²/NDF: 56942412.0/113
- sign 0.004+/-0.000 χ²/NDF: 31272747.8/57

asym_atl_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.031+/-0.030 χ^2/NDF: 28.1/31

Left Out: 0.036+/-0.077 χ^2/NDF:29.7/24

Right Out: 0.030+/-0.029 χ^2/NDF: 44.5/35

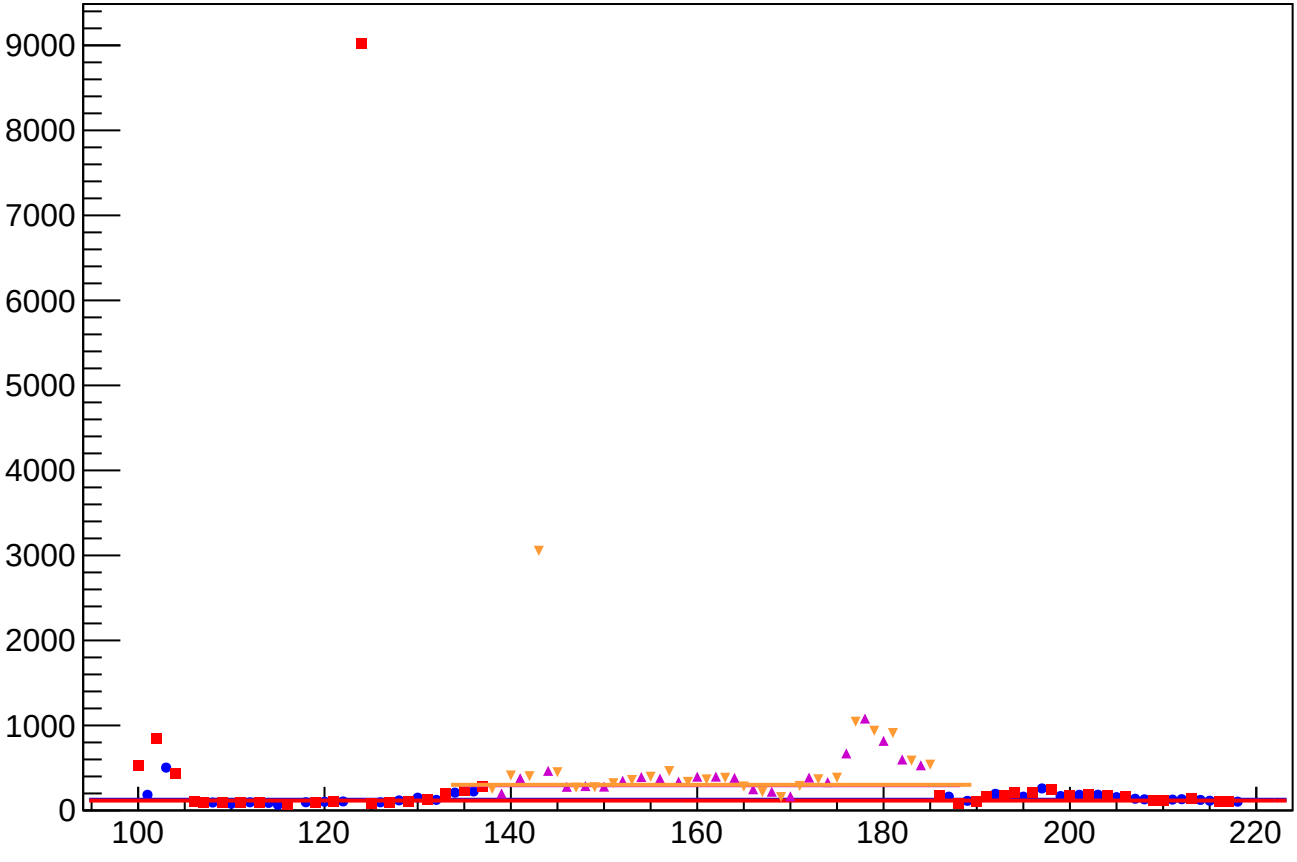
Left In: -0.078+/-0.076 χ^2/NDF:24.1/22

+ sign 0.032+/-0.028 χ^2/NDF: 57.8/56

All: 0.024+/-0.019 χ^2/NDF: 128.3/115

- sign 0.017+/-0.027 χ^2/NDF: 70.4/58

asym_atl_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 125.773+/-0.021 χ^2/NDF: 3566066.3/31

Left Out: 301.737+/-0.054 χ^2/NDF:6693577.7/24

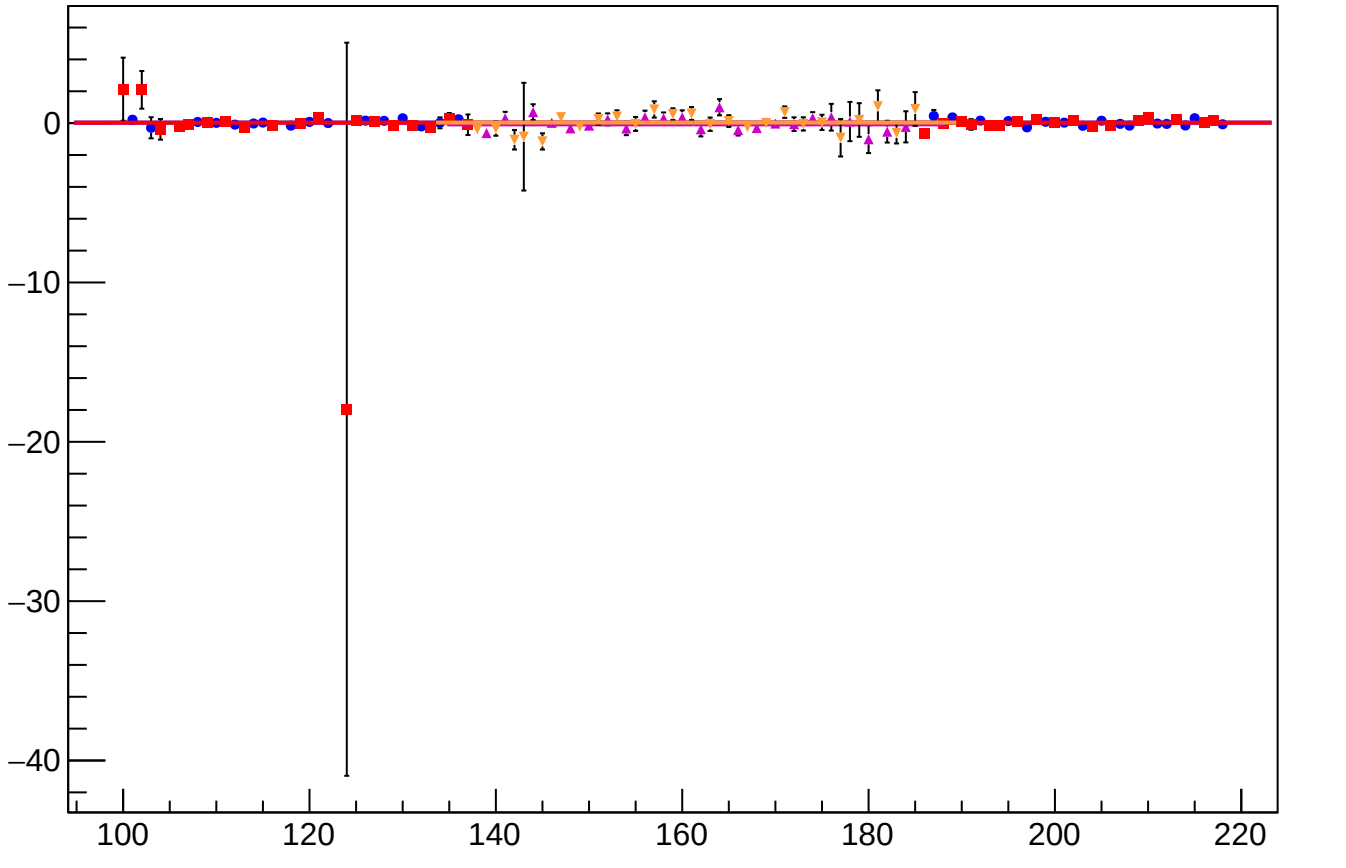
Right Out: 116.393+/-0.020 χ^2/NDF: 5552118.1/35

Left In: 296.878+/-0.054 χ^2/NDF:4917864.1/22

+ sign 149.086+/-0.020 χ^2/NDF: 19336316.5/56

All: 143.692+/-0.014 χ^2/NDF: 39895488.2/11

- sign 138.795+/-0.019 χ^2/NDF: 20417606.8/58



Right In: 0.031+/-0.030 χ^2/NDF: 28.1/31

Left Out: 0.036+/-0.077 χ^2/NDF:29.7/24

Right Out: 0.030+/-0.029 χ^2/NDF: 44.5/35

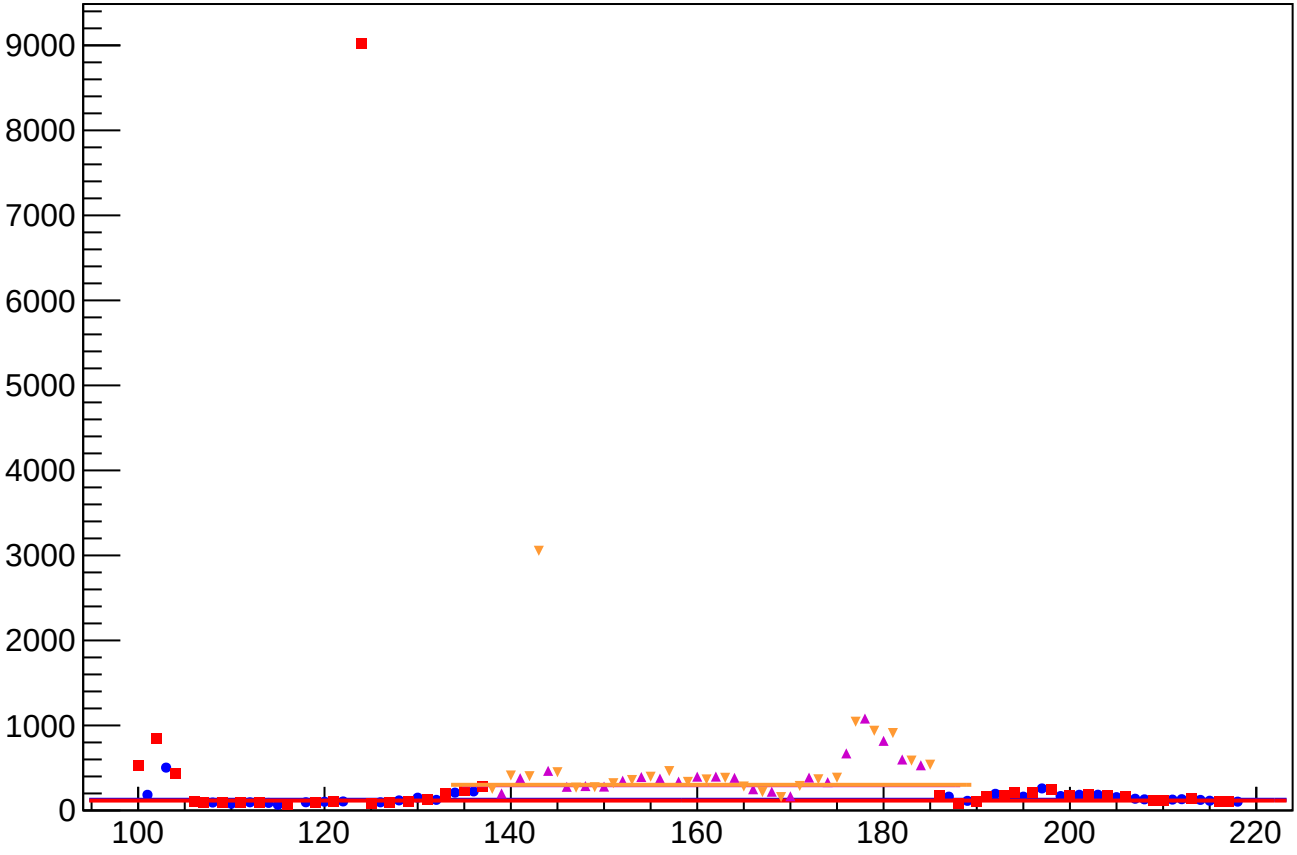
Left In: -0.078+/-0.076 χ^2/NDF:24.1/22

+ sign 0.032+/-0.028 χ^2/NDF: 57.8/56

All: 0.024+/-0.019 χ^2/NDF: 128.3/115

- sign 0.017+/-0.027 χ^2/NDF: 70.4/58

asym_atl_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 125.773+/-0.021 χ^2/NDF: 3566066.3/31

Left Out: 301.737+/-0.054 χ^2/NDF:6693577.7/24

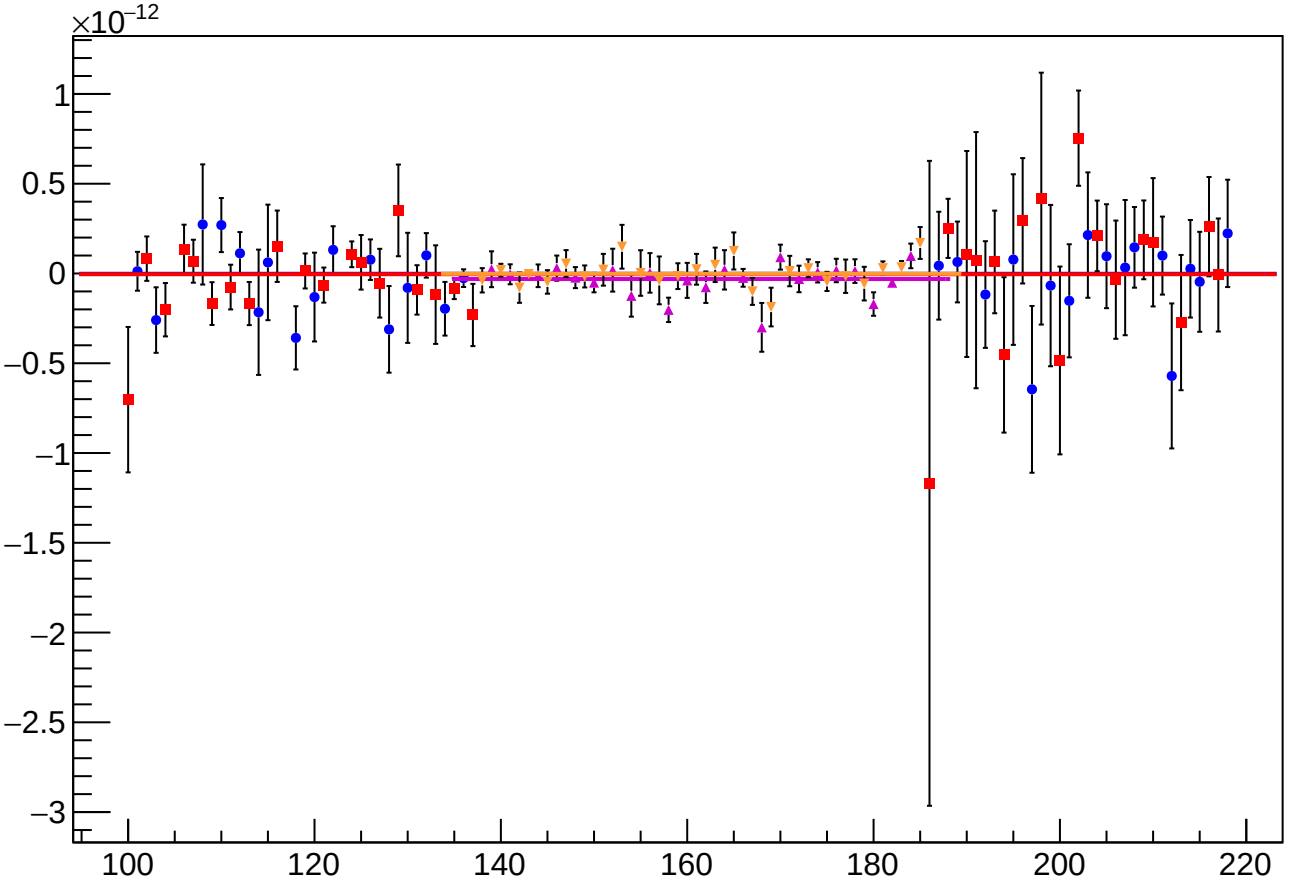
Right Out: 116.393+/-0.020 χ^2/NDF: 5552118.1/35

Left In: 296.878+/-0.054 χ^2/NDF:4917864.1/22

+ sign 149.086+/-0.020 χ^2/NDF: 19336316.5/56

All: 143.692+/-0.014 χ^2/NDF: 39895488.2/11

- sign 138.795+/-0.019 χ^2/NDF: 20417606.8/58



Right In: -0.000+/-0.000 χ^2/NDF: 23.7/31

Left Out: -0.000+/-0.000 χ^2/NDF:17.7/24

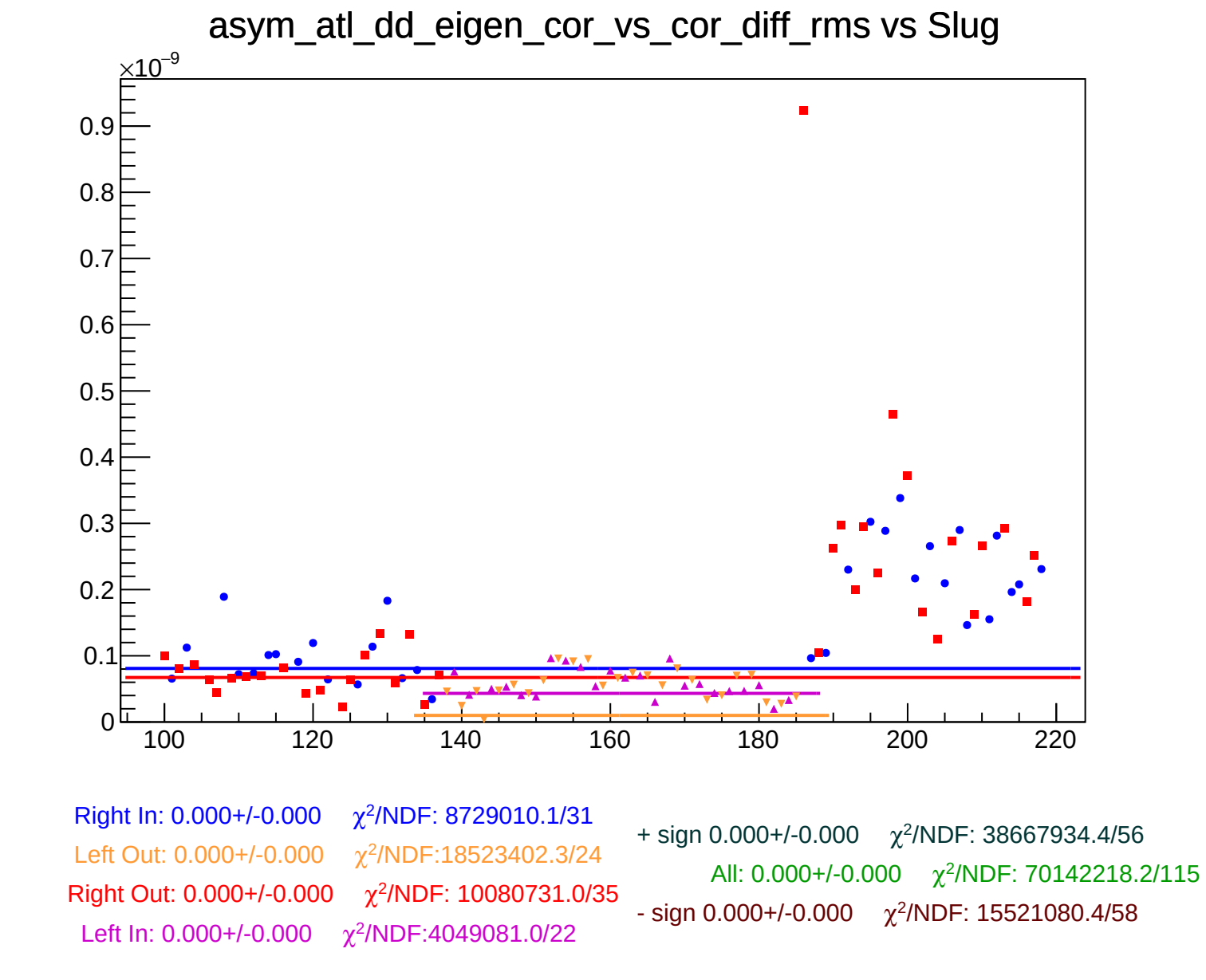
Right Out: -0.000+/-0.000 χ^2/NDF: 38.2/35

Left In: -0.000+/-0.000 χ^2/NDF:26.4/22

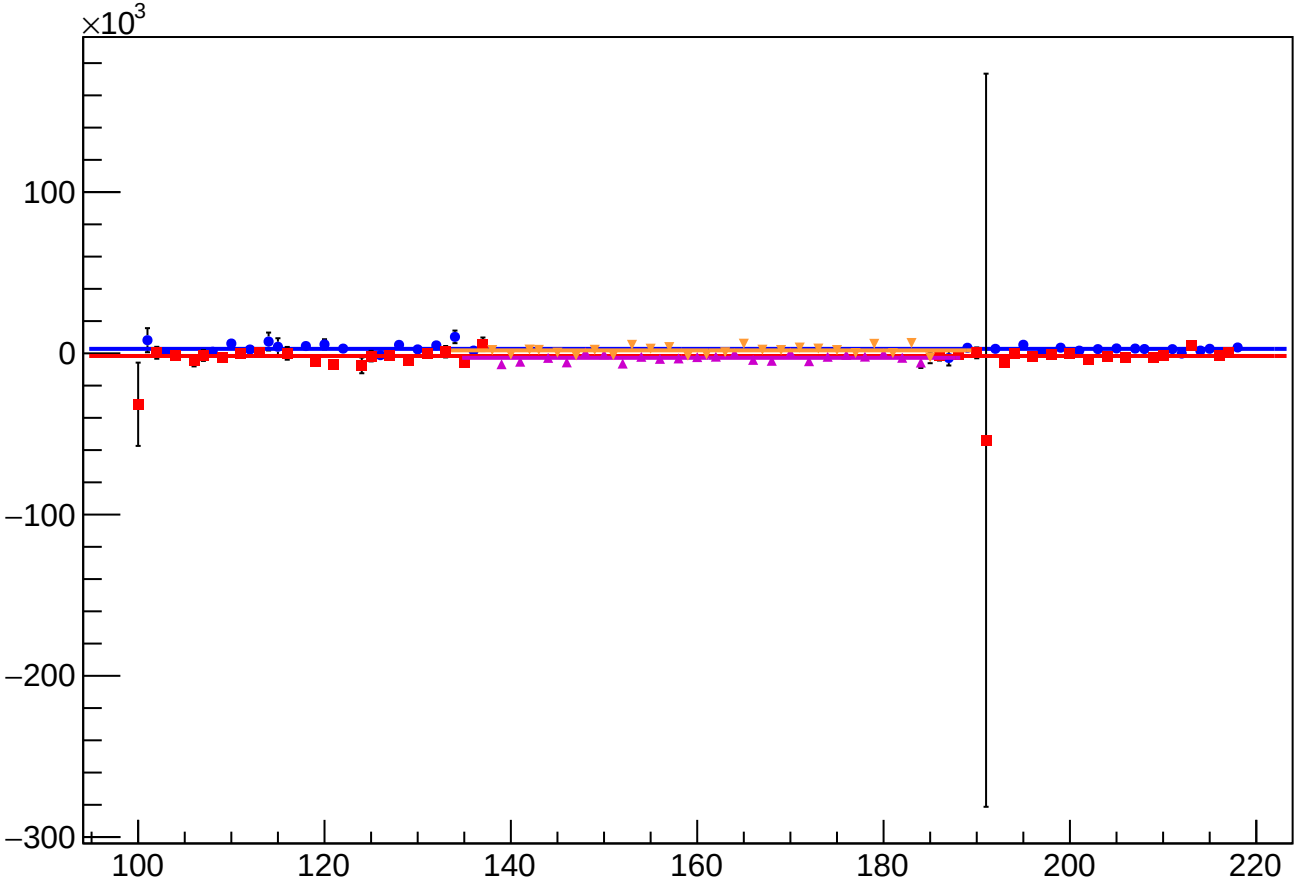
+ sign -0.000+/-0.000 χ^2/NDF: 41.4/56

All: -0.000+/-0.000 χ^2/NDF: 110.2/115

- sign -0.000+/-0.000 χ^2/NDF: 65.4/58


asym_atl_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 8729010.1/31
Left Out: 0.000+/-0.000 χ²/NDF:18523402.3/24
Right Out: 0.000+/-0.000 χ²/NDF: 10080731.0/35
Left In: 0.000+/-0.000 χ²/NDF:4049081.0/22
+ sign 0.000+/-0.000 χ²/NDF: 38667934.4/56
All: 0.000+/-0.000 χ²/NDF: 70142218.2/115
- sign 0.000+/-0.000 χ²/NDF: 15521080.4/58

reg_asym_atr_avg_mean vs Slug



Right In: 2780.193+/-438.434 χ^2/NDF: 18.7/31

Left Out: 1851.999+/-420.006 χ^2/NDF:31.5/24

Right Out: -1635.790+/-436.085 χ^2/NDF: 34.0/35

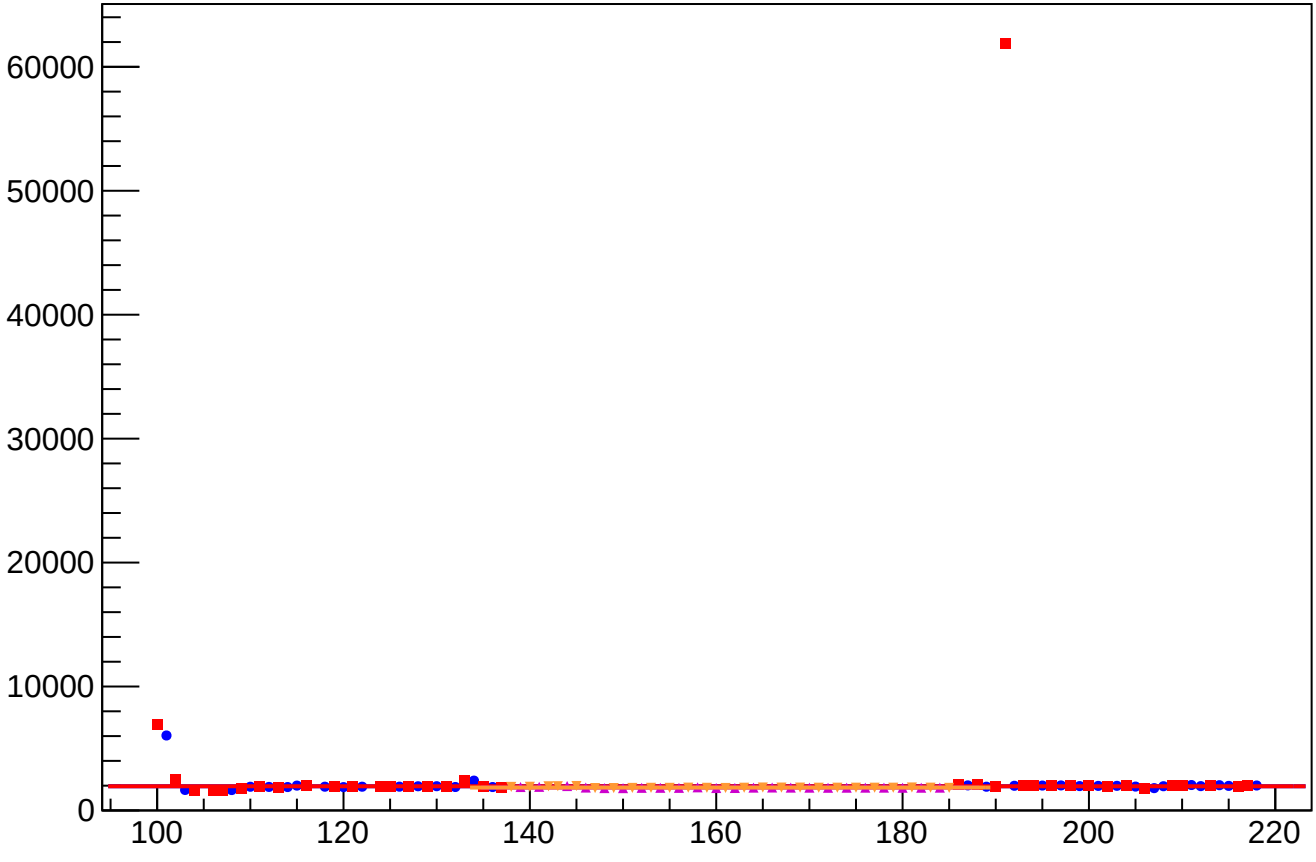
Left In: -2775.769+/-430.870 χ^2/NDF:25.4/22

+ sign 2296.180+/-303.295 χ^2/NDF: 52.5/56

All: 65.458+/-215.585 χ^2/NDF: 224.8/115

- sign -2212.637+/-306.498 χ^2/NDF: 62.9/58

reg_asym_atr_avg_rms vs Slug



Right In: 1953.046+/-0.310 χ^2/NDF: 728706.6/31

Left Out: 1848.522+/-0.297 χ^2/NDF:20886.6/24

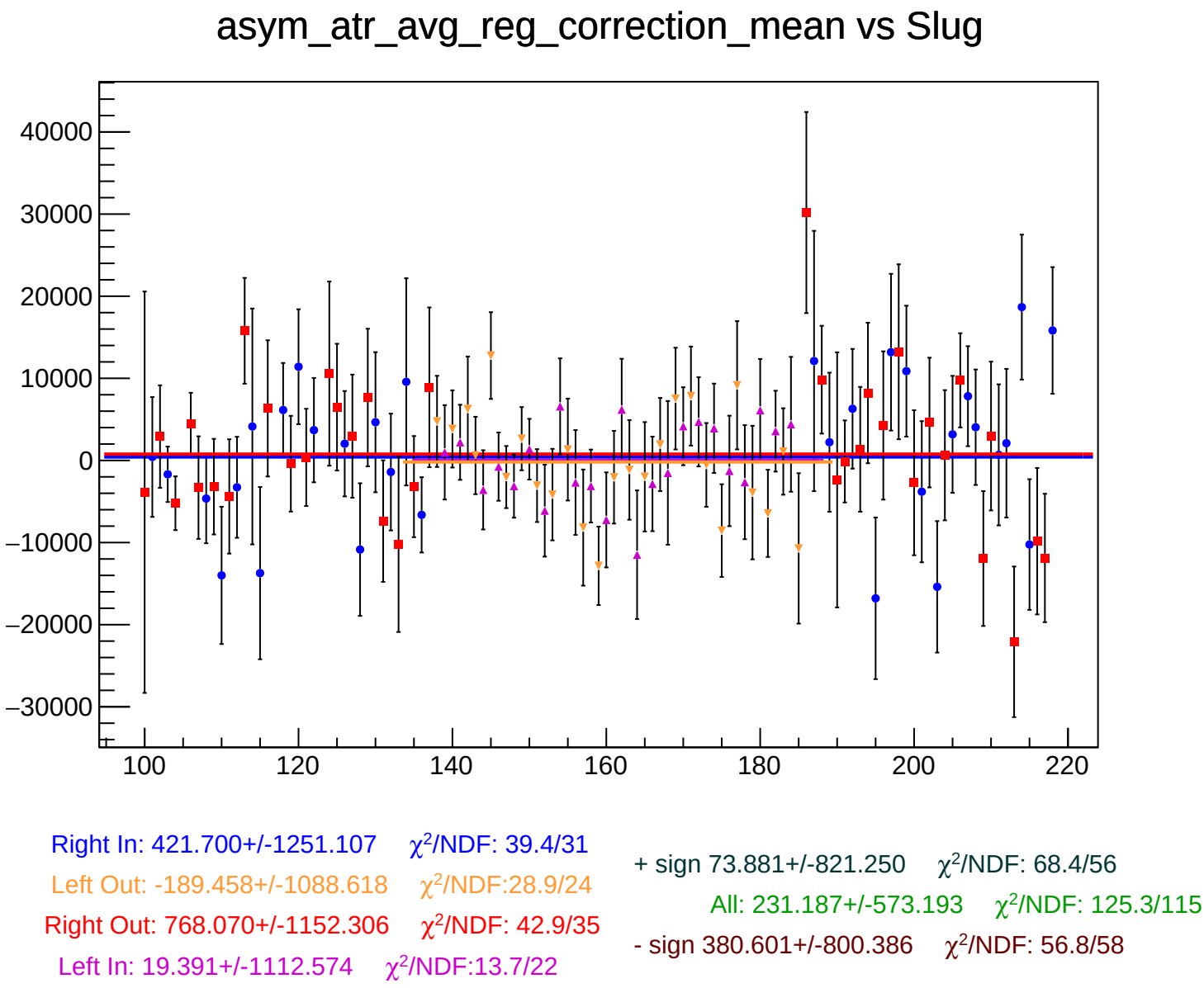
Right Out: 1951.848+/-0.308 χ^2/NDF: 427355.6/35

Left In: 1845.061+/-0.305 χ^2/NDF:14026.0/22

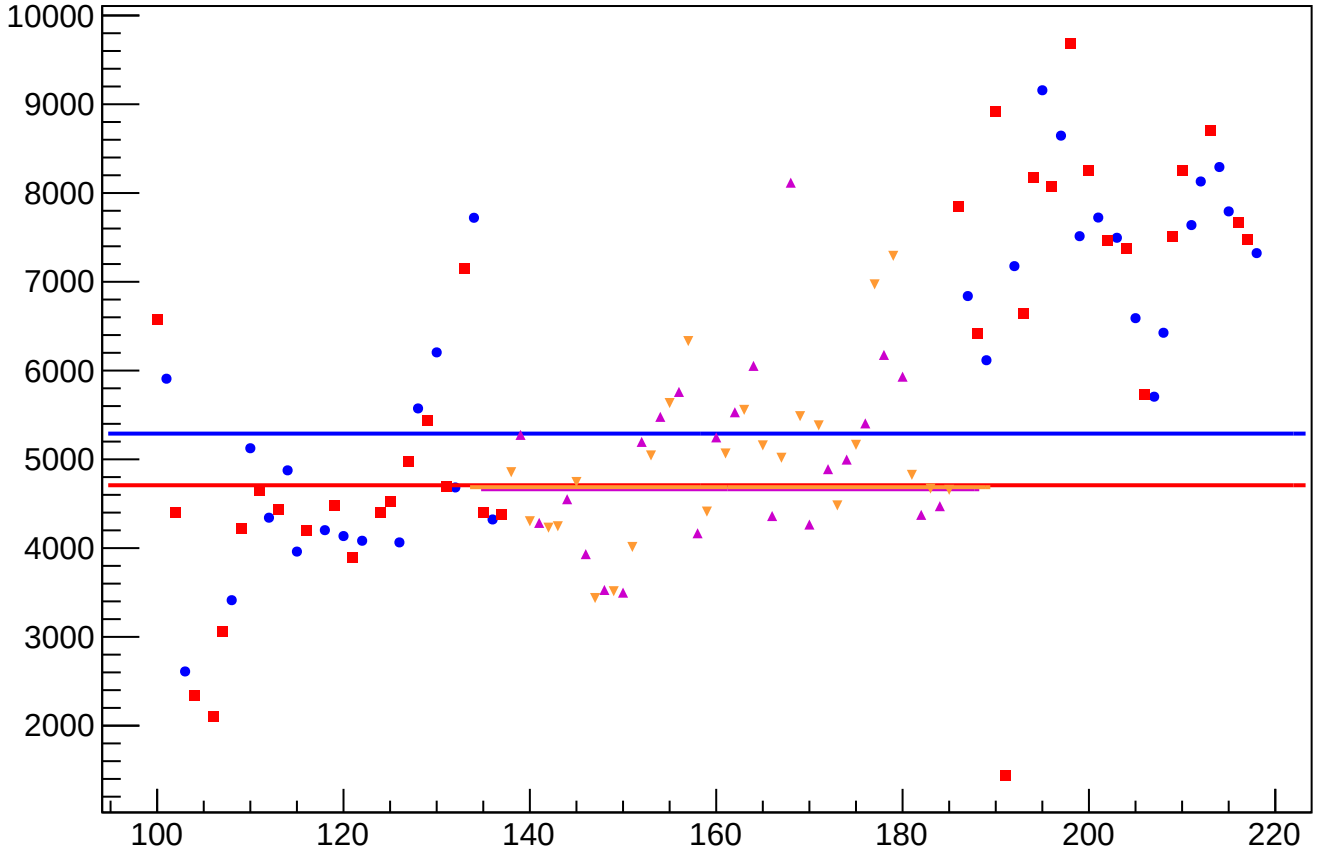
+ sign 1898.541+/-0.214 χ^2/NDF: 808868.7/56

All: 1898.215+/-0.152 χ^2/NDF: 1311021.1/11

- sign 1897.882+/-0.217 χ^2/NDF: 502147.7/58


asym_atr_avg_reg_correction_mean vs Slug
40000
30000
20000
10000
0
−10000
−20000
−30000
100
120
140
160
180
200
220
Right In: 421.700+/-1251.107 χ²/NDF: 39.4/31
Left Out: -189.458+/-1088.618 χ²/NDF:28.9/24
Right Out: 768.070+/-1152.306 χ²/NDF: 42.9/35
Left In: 19.391+/-1112.574 χ²/NDF:13.7/22
+ sign 73.881+/-821.250 χ²/NDF: 68.4/56
All: 231.187+/-573.193 χ²/NDF: 125.3/115
- sign 380.601+/-800.386 χ²/NDF: 56.8/58

asym_atr_avg_reg_correction_rms vs Slug



Right In: 5289.934+/-0.885 χ^2/NDF: 4310641.3/31

Left Out: 4686.353+/-0.770 χ^2/NDF:1185063.7/24

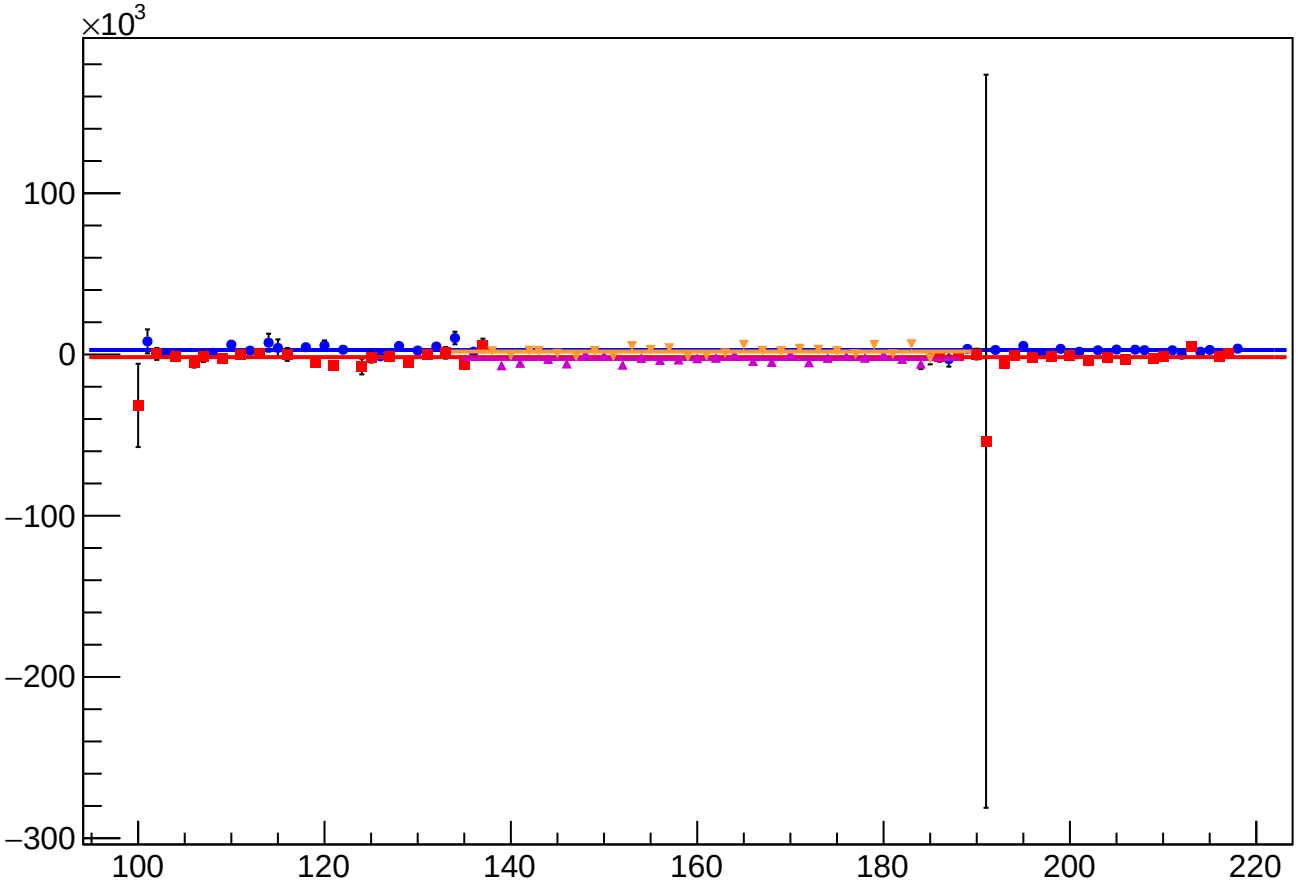
Right Out: 4708.109+/-0.815 χ^2/NDF: 7042813.5/35

Left In: 4663.272+/-0.787 χ^2/NDF:1286726.4/22

+ sign 4946.428+/-0.581 χ^2/NDF: 5760622.8/56

All: 4812.302+/-0.405 χ^2/NDF: 14195746.3/1

- sign 4684.904+/-0.566 χ^2/NDF: 8331107.0/58



Right In: 2779.940+/-438.434 χ^2/NDF: 18.7/31

Left Out: 1851.888+/-420.006 χ^2/NDF:31.5/24

Right Out: -1636.227+/-436.086 χ^2/NDF: 34.1/35

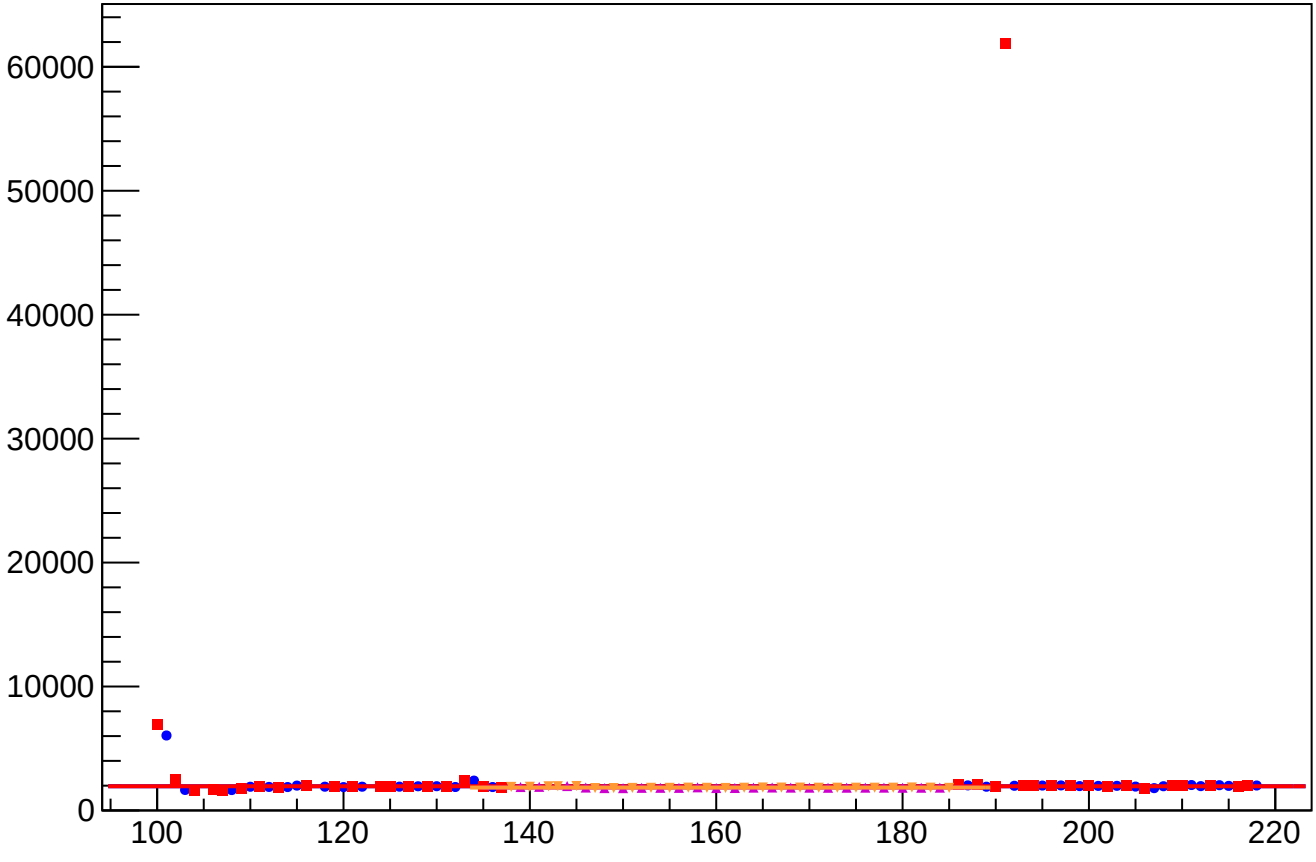
Left In: -2775.745+/-430.870 χ^2/NDF:25.4/22

+ sign 2296.001+/-303.295 χ^2/NDF: 52.5/56

All: 65.269+/-215.586 χ^2/NDF: 224.8/115

- sign -2212.843+/-306.499 χ^2/NDF: 63.0/58

cor_asym_atr_avg_rms vs Slug



Right In: 1953.046+/-0.310 χ^2/NDF: 728705.6/31

Left Out: 1848.522+/-0.297 χ^2/NDF:20886.6/24

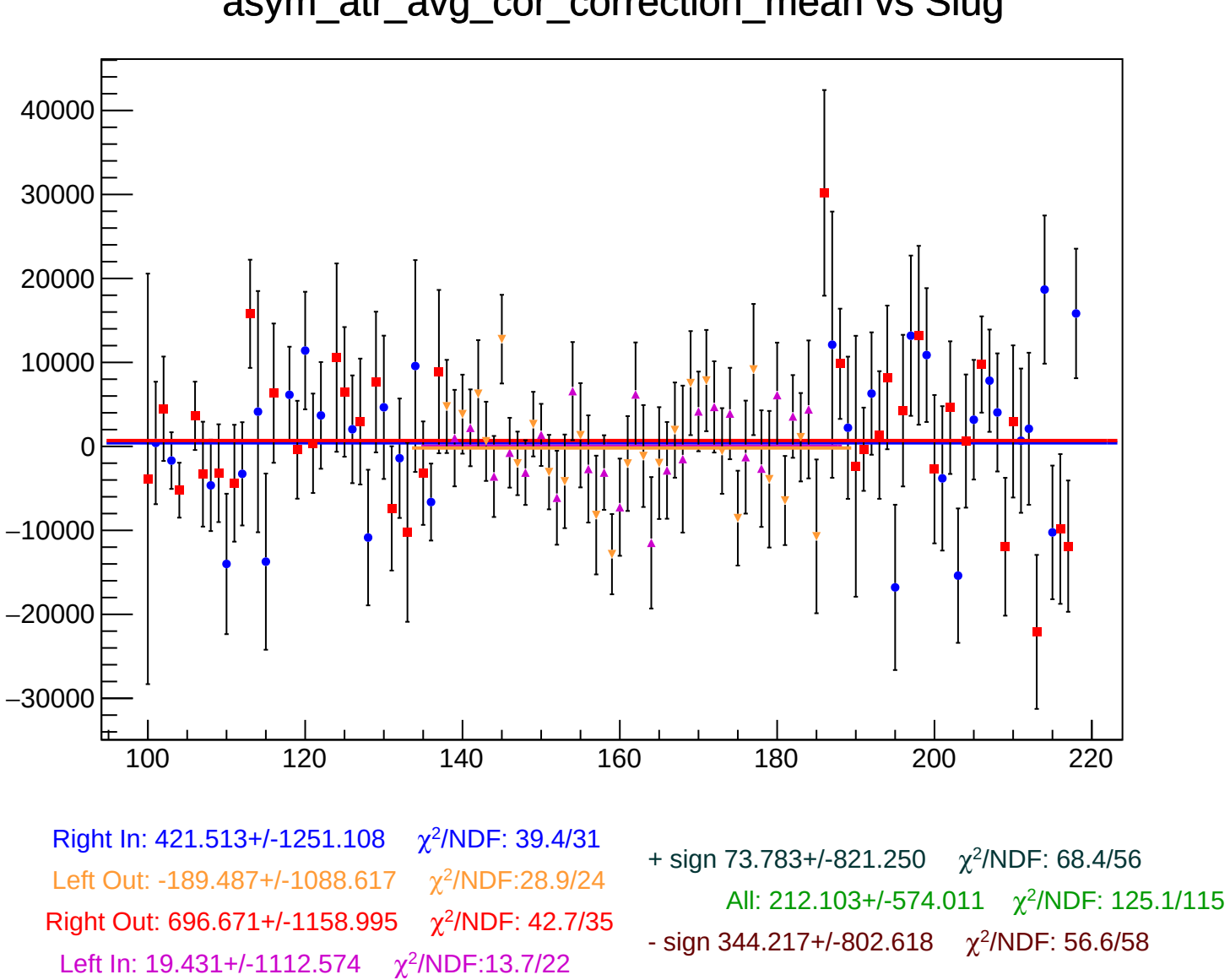
Right Out: 1953.437+/-0.308 χ^2/NDF: 418929.8/35

Left In: 1845.061+/-0.305 χ^2/NDF:14026.0/22

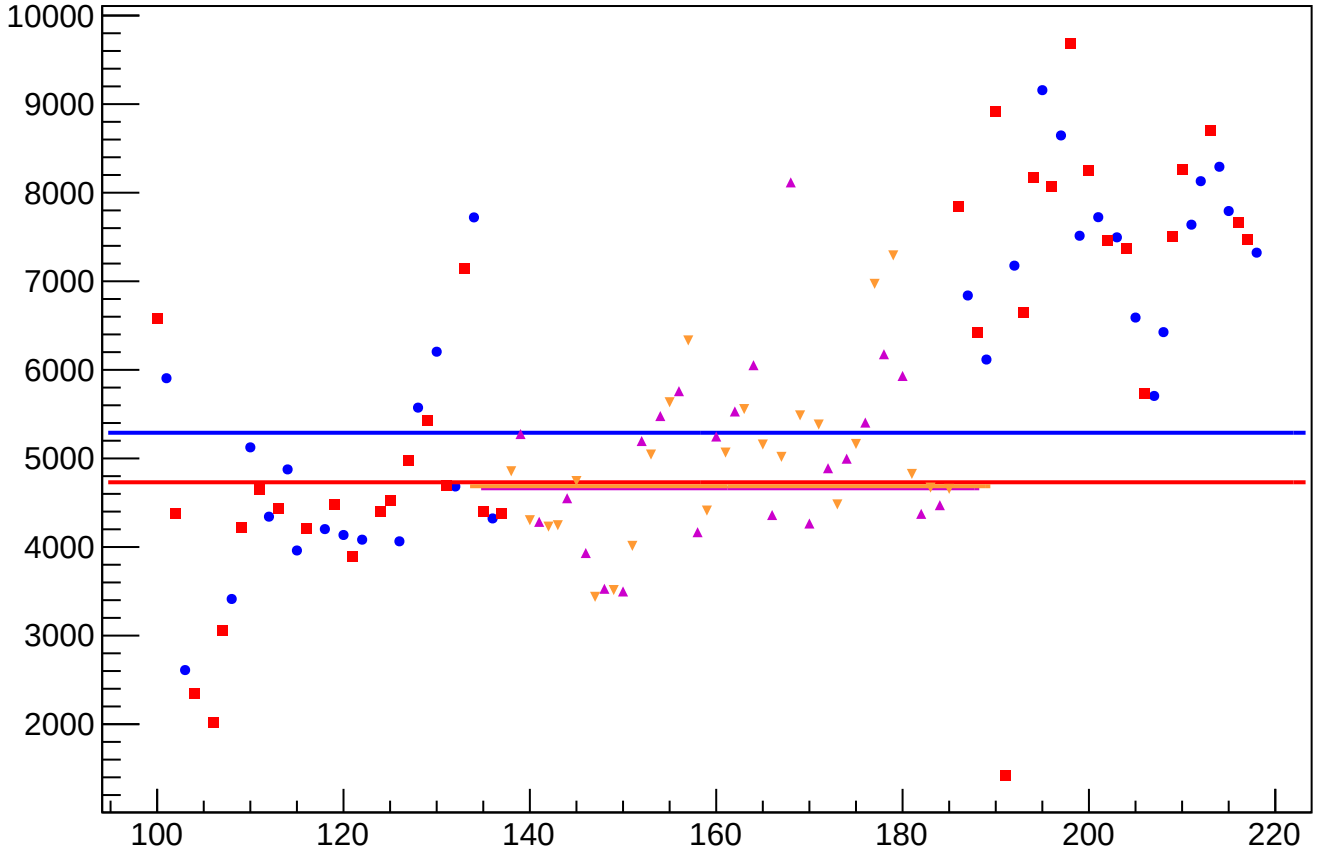
+ sign 1898.541+/-0.214 χ^2/NDF: 808867.9/56

All: 1898.585+/-0.152 χ^2/NDF: 1304367.4/11

- sign 1898.629+/-0.217 χ^2/NDF: 495499.4/58


asym_atr_avg_cor_correction_mean vs Slug
40000
30000
20000
10000
0
−10000
−20000
−30000
100
120
140
160
180
200
220
Right In: 421.513+/-1251.108 χ²/NDF: 39.4/31
Left Out: -189.487+/-1088.617 χ²/NDF:28.9/24
Right Out: 696.671+/-1158.995 χ²/NDF: 42.7/35
Left In: 19.431+/-1112.574 χ²/NDF:13.7/22
+ sign 73.783+/-821.250 χ²/NDF: 68.4/56
All: 212.103+/-574.011 χ²/NDF: 125.1/115
- sign 344.217+/-802.618 χ²/NDF: 56.6/58

asym_atr_avg_cor_correction_rms vs Slug



Right In: 5289.994+/-0.885 χ^2/NDF: 4309961.5/31

Left Out: 4686.346+/-0.770 χ^2/NDF:1185089.0/24

Right Out: 4730.914+/-0.820 χ^2/NDF: 6983280.7/35

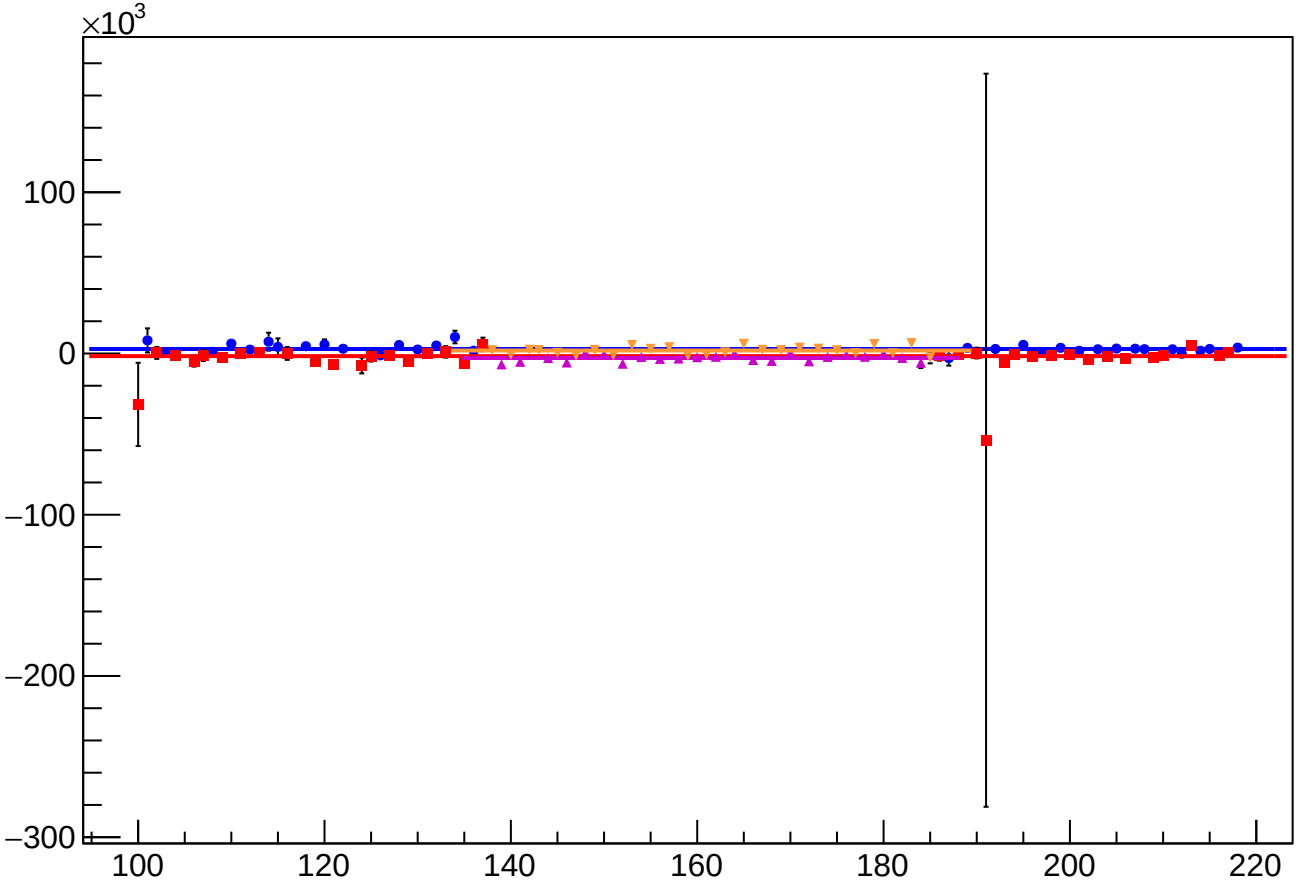
Left In: 4663.273+/-0.787 χ^2/NDF:1286722.8/22

+ sign 4946.448+/-0.581 χ^2/NDF: 5760027.3/56

All: 4818.204+/-0.406 χ^2/NDF: 14128929.4/1

- sign 4695.712+/-0.568 χ^2/NDF: 8273548.6/58

eigen_cor_asym_atr_avg_mean vs Slug



Right In: 2779.940+/-438.434 χ^2/NDF: 18.7/31

Left Out: 1851.888+/-420.006 χ^2/NDF:31.5/24

Right Out: -1636.227+/-436.086 χ^2/NDF: 34.1/35

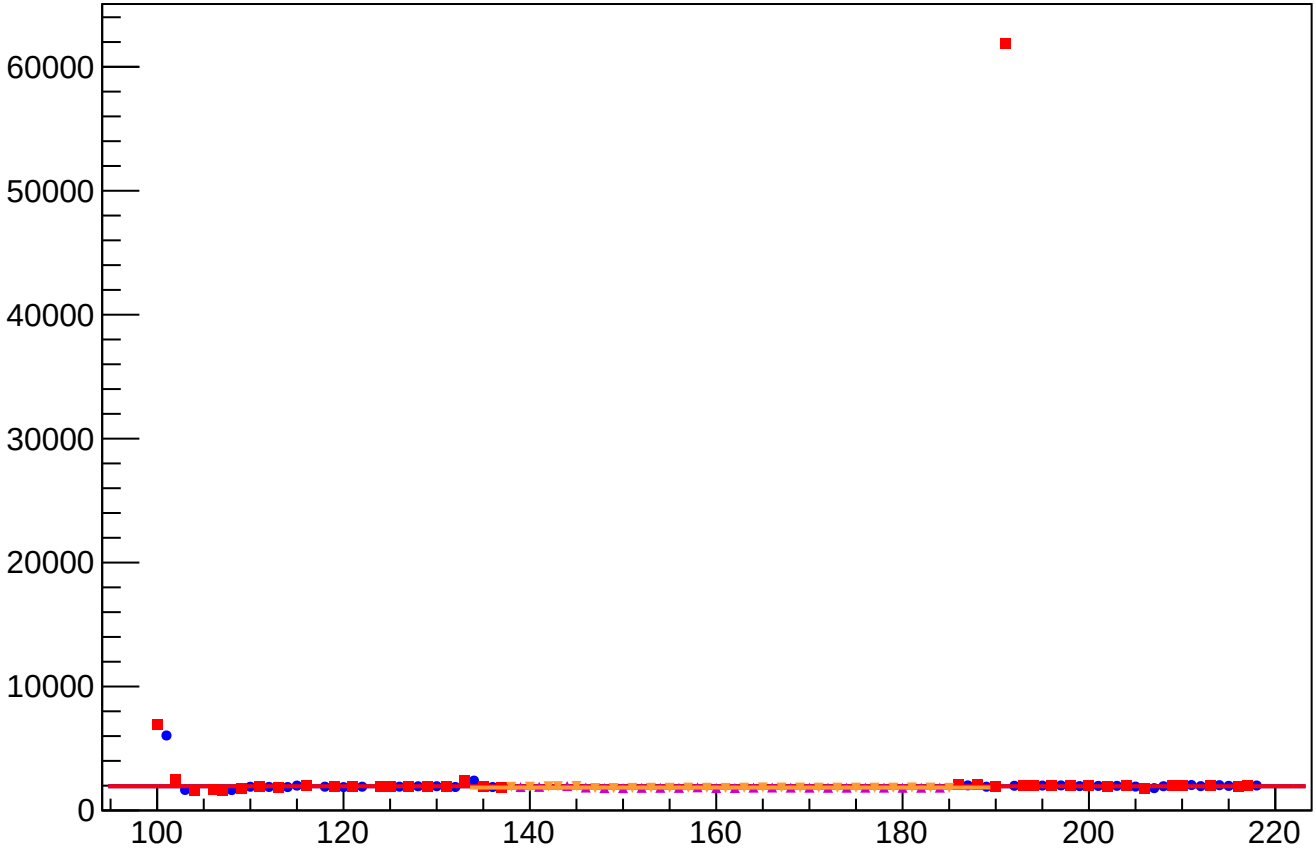
Left In: -2775.745+/-430.870 χ^2/NDF:25.4/22

+ sign 2296.001+/-303.295 χ^2/NDF: 52.5/56

All: 65.269+/-215.586 χ^2/NDF: 224.8/115

- sign -2212.843+/-306.499 χ^2/NDF: 63.0/58

eigen_cor_asym_atr_avg_rms vs Slug



Right In: 1953.046+/-0.310 χ^2/NDF: 728705.6/31

Left Out: 1848.522+/-0.297 χ^2/NDF:20886.6/24

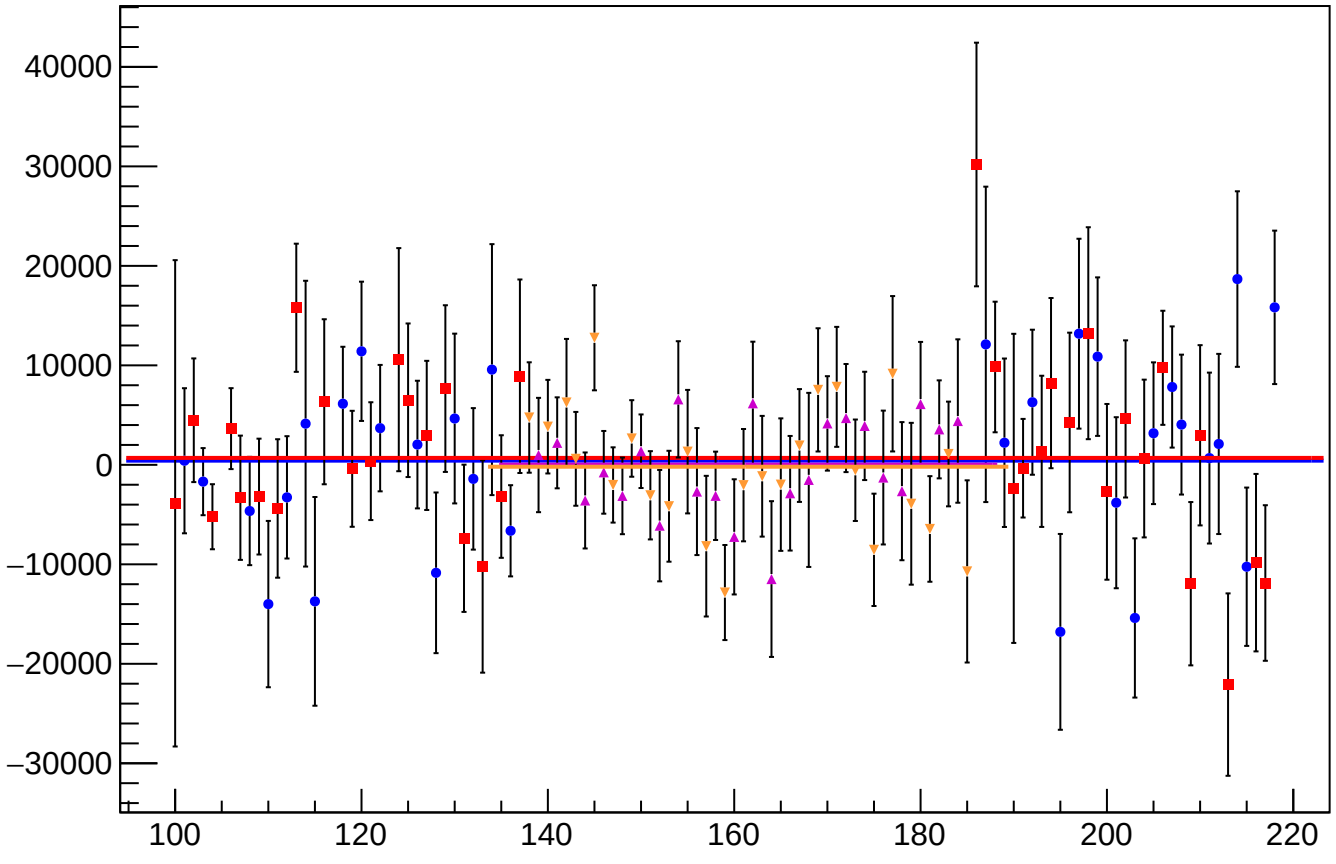
Right Out: 1953.437+/-0.308 χ^2/NDF: 418929.8/35

Left In: 1845.061+/-0.305 χ^2/NDF:14026.0/22

+ sign 1898.541+/-0.214 χ^2/NDF: 808867.9/56

All: 1898.585+/-0.152 χ^2/NDF: 1304367.4/11

- sign 1898.629+/-0.217 χ^2/NDF: 495499.4/58



Right In: 421.513+/-1251.108 χ^2/NDF: 39.4/31

Left Out: -189.487+/-1088.617 χ^2/NDF:28.9/24

Right Out: 696.671+/-1158.995 χ^2/NDF: 42.7/35

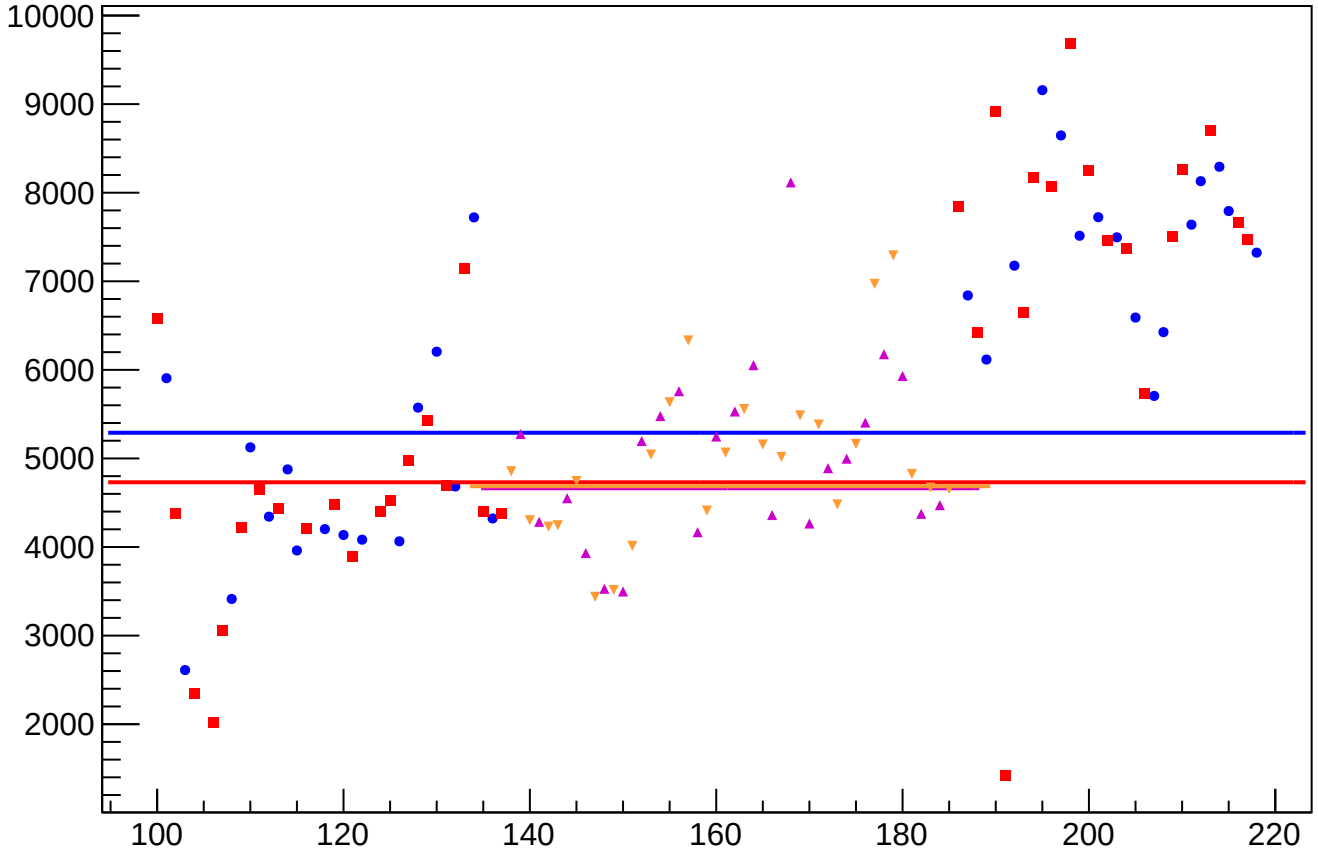
Left In: 19.431+/-1112.574 χ^2/NDF:13.7/22

+ sign 73.783+/-821.250 χ^2/NDF: 68.4/56

All: 212.103+/-574.011 χ^2/NDF: 125.1/115

- sign 344.217+/-802.618 χ^2/NDF: 56.6/58

asym_atr_avg_eigen_cor_correction_rms vs Slug



Right In: 5289.994+/-0.885 χ^2/NDF: 4309961.5/31

Left Out: 4686.346+/-0.770 χ^2/NDF:1185089.0/24

Right Out: 4730.914+/-0.820 χ^2/NDF: 6983280.7/35

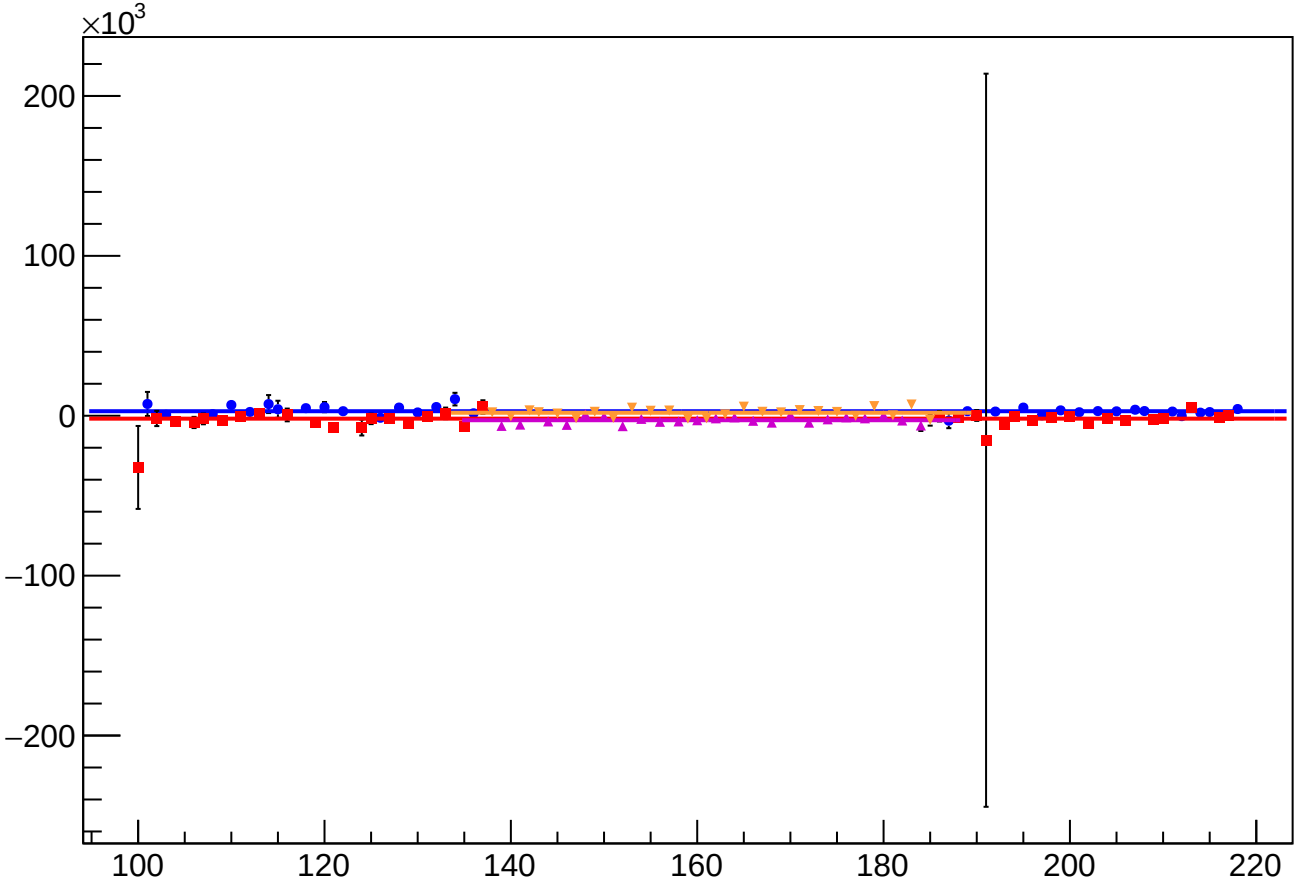
Left In: 4663.273+/-0.787 χ^2/NDF:1286722.8/22

+ sign 4946.448+/-0.581 χ^2/NDF: 5760027.3/56

All: 4818.204+/-0.406 χ^2/NDF: 14128929.4/1

- sign 4695.712+/-0.568 χ^2/NDF: 8273548.6/58

dit_asym_atr_avg_mean vs Slug



Right In: 2834.624+/-446.232 χ^2/NDF: 19.4/31

Left Out: 1880.927+/-428.980 χ^2/NDF:32.9/24

Right Out: -1815.852+/-444.925 χ^2/NDF: 35.5/35

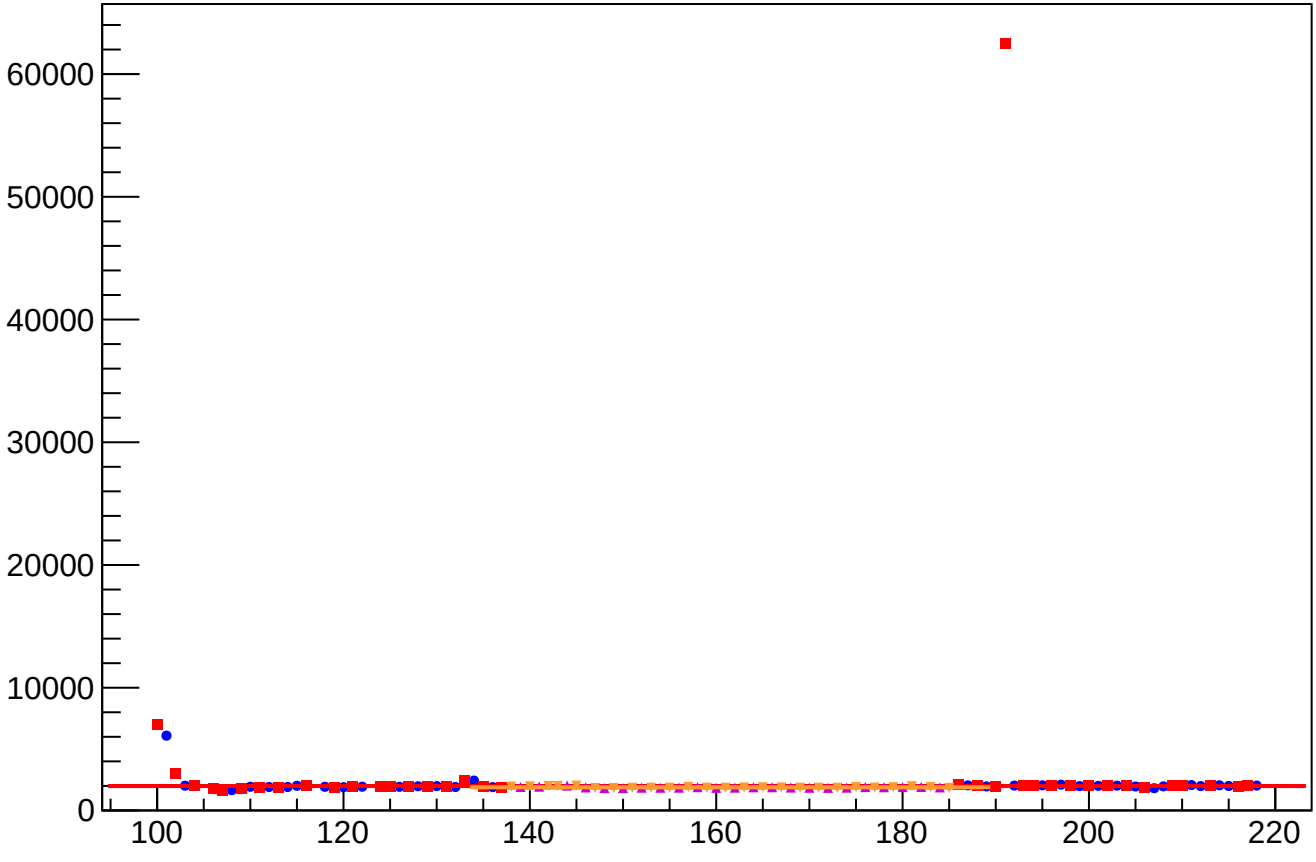
Left In: -2798.435+/-439.234 χ^2/NDF:25.4/22

+ sign 2338.984+/-309.254 χ^2/NDF: 54.8/56

All: 37.626+/-219.841 χ^2/NDF: 230.2/115

- sign -2313.467+/-312.578 χ^2/NDF: 63.4/58

dit_asym_atr_avg_rms vs Slug



Right In: 1988.379+/-0.316 χ^2/NDF: 695774.3/31

Left Out: 1887.545+/-0.303 χ^2/NDF:31955.7/24

Right Out: 1989.778+/-0.315 χ^2/NDF: 437092.4/35

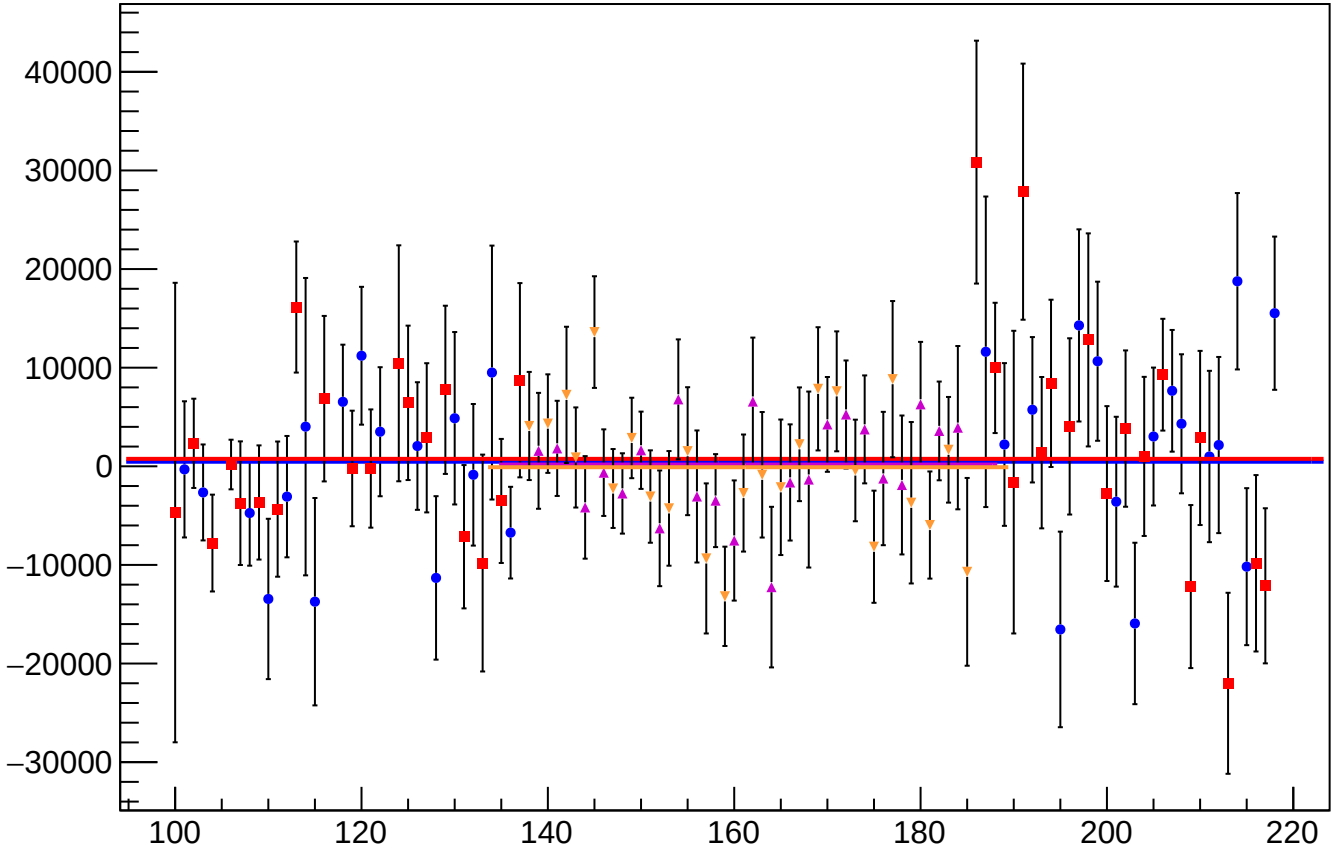
Left In: 1880.575+/-0.311 χ^2/NDF:19037.6/22

+ sign 1935.975+/-0.219 χ^2/NDF: 780803.7/56

All: 1935.241+/-0.155 χ^2/NDF: 1297992.9/11

- sign 1934.491+/-0.221 χ^2/NDF: 517166.4/58

asym_atr_avg_dit_correction_mean vs Slug



Right In: 462.919+/-1302.736 χ^2/NDF: 38.9/31

Left Out: -91.889+/-1133.233 χ^2/NDF:28.1/24

Right Out: 754.885+/-1137.702 χ^2/NDF: 45.8/35

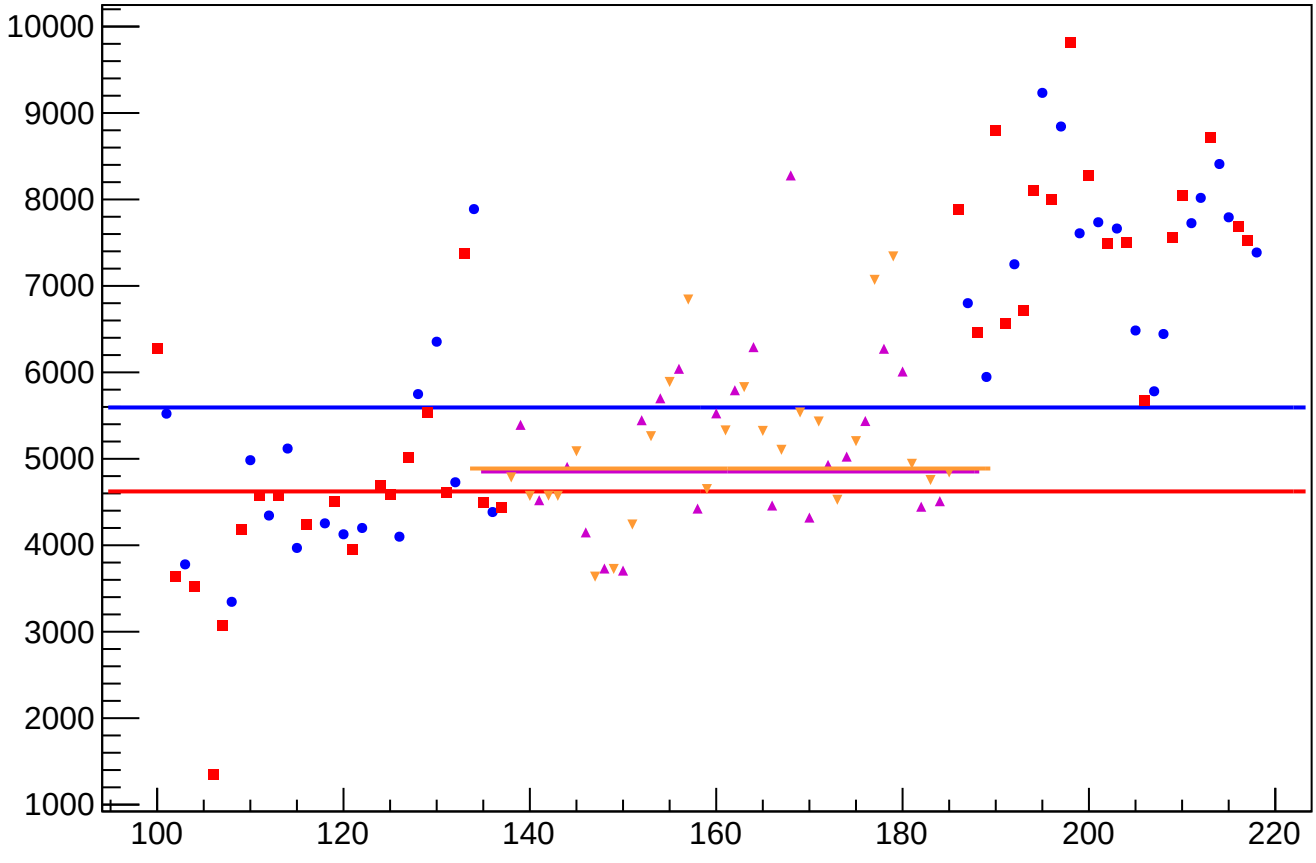
Left In: 177.137+/-1156.061 χ^2/NDF:13.5/22

+ sign 147.095+/-855.008 χ^2/NDF: 67.1/56

All: 317.427+/-588.364 χ^2/NDF: 126.6/115

- sign 470.635+/-810.890 χ^2/NDF: 59.5/58

asym_atr_avg_dit_correction_rms vs Slug



Right In: 5594.012+/-0.921 χ^2/NDF: 3186368.7/31

Left Out: 4887.823+/-0.801 χ^2/NDF:1063298.6/24

Right Out: 4622.689+/-0.804 χ^2/NDF: 8022174.4/35

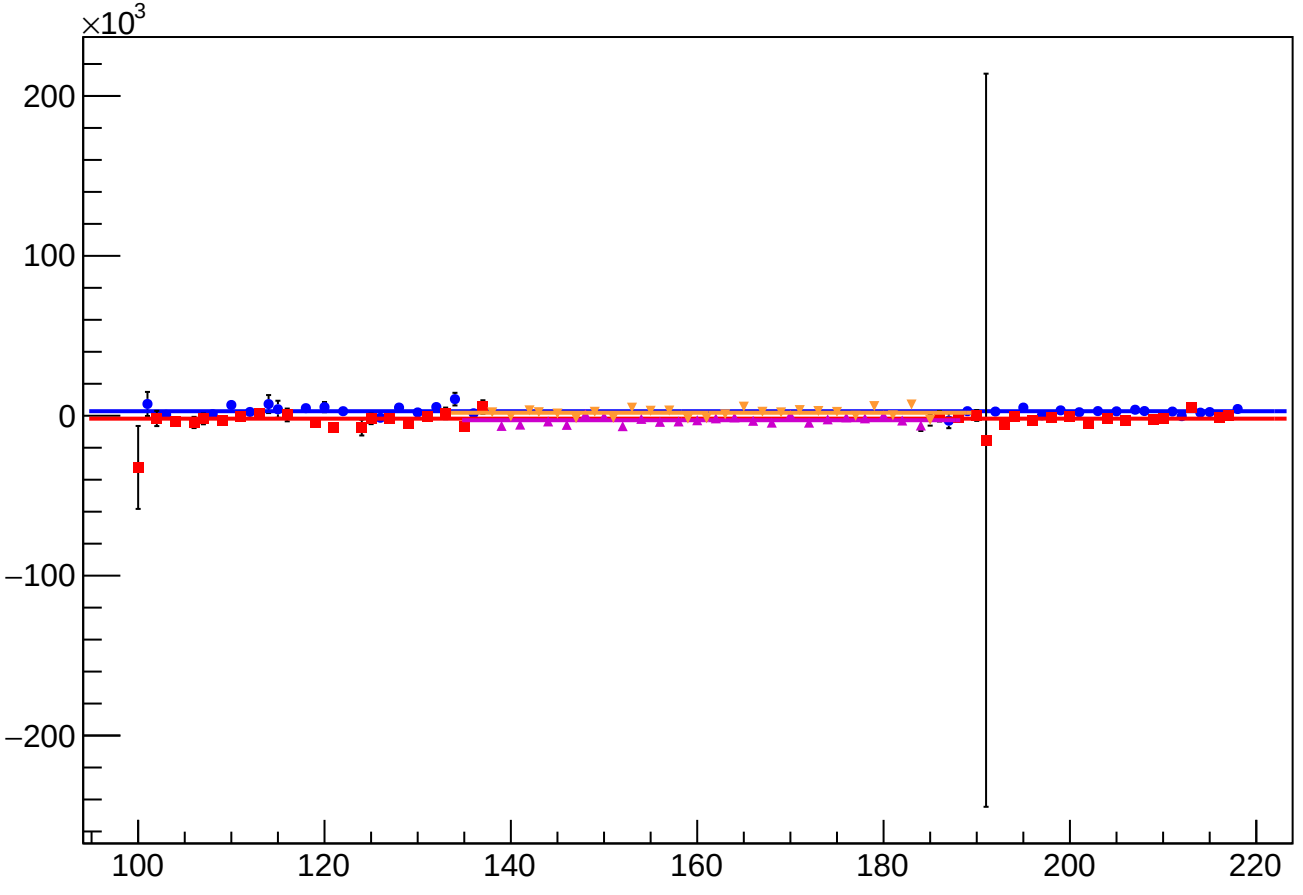
Left In: 4853.363+/-0.817 χ^2/NDF:1178636.9/22

+ sign 5192.015+/-0.605 χ^2/NDF: 4584217.5/56

All: 4952.034+/-0.416 χ^2/NDF: 14124757.8/1

- sign 4736.180+/-0.573 χ^2/NDF: 9241262.5/58

eigen_dit_asym_atr_avg_mean vs Slug



Right In: 2834.620+/-446.232 χ^2/NDF: 19.4/31

Left Out: 1880.922+/-428.981 χ^2/NDF:32.9/24

Right Out: -1815.854+/-444.925 χ^2/NDF: 35.5/35

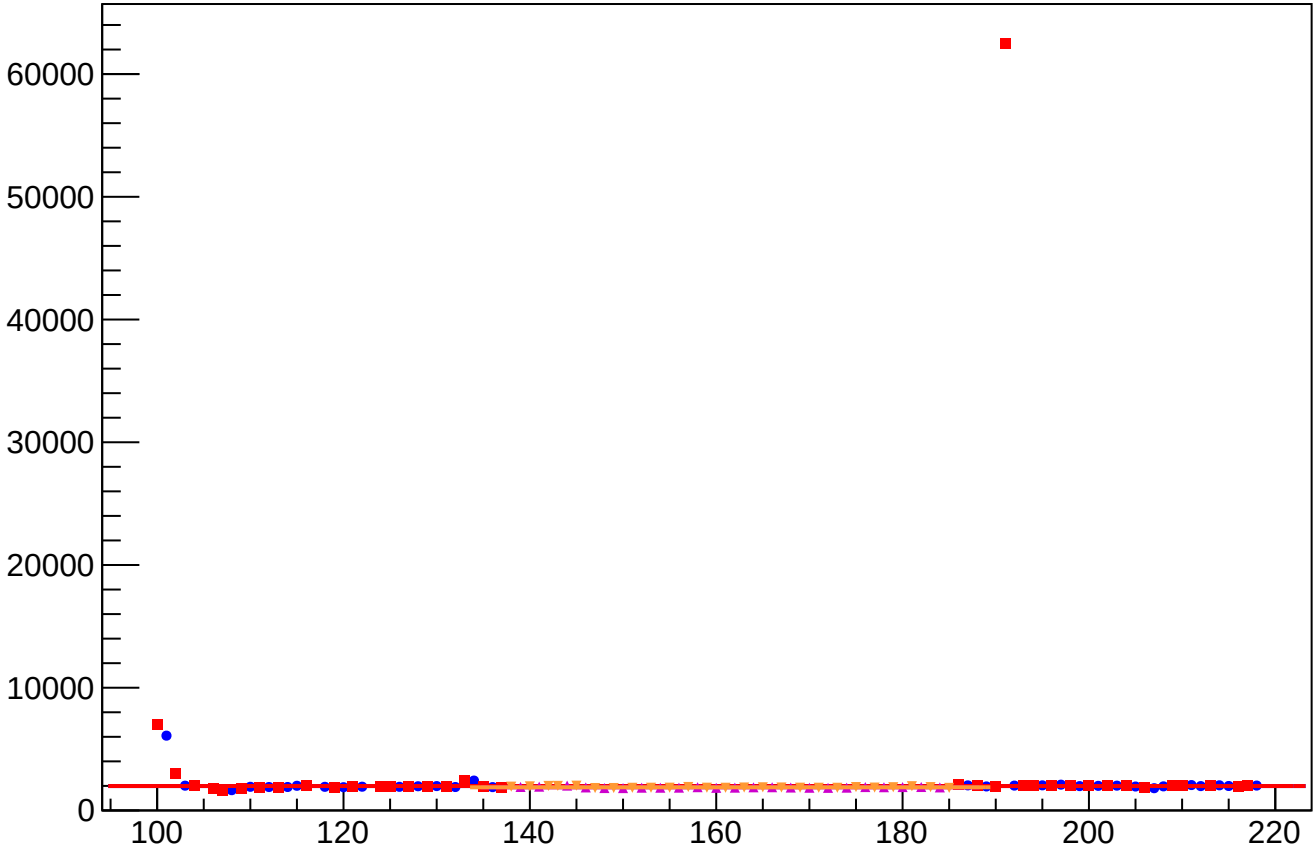
Left In: -2798.435+/-439.234 χ^2/NDF:25.4/22

+ sign 2338.979+/-309.254 χ^2/NDF: 54.8/56

All: 37.623+/-219.841 χ^2/NDF: 230.2/115

- sign -2313.468+/-312.578 χ^2/NDF: 63.4/58

eigen_dit_asym_atr_avg_rms vs Slug



Right In: 1988.379+/-0.316 χ^2/NDF: 695774.5/31

Left Out: 1887.546+/-0.303 χ^2/NDF:31955.8/24

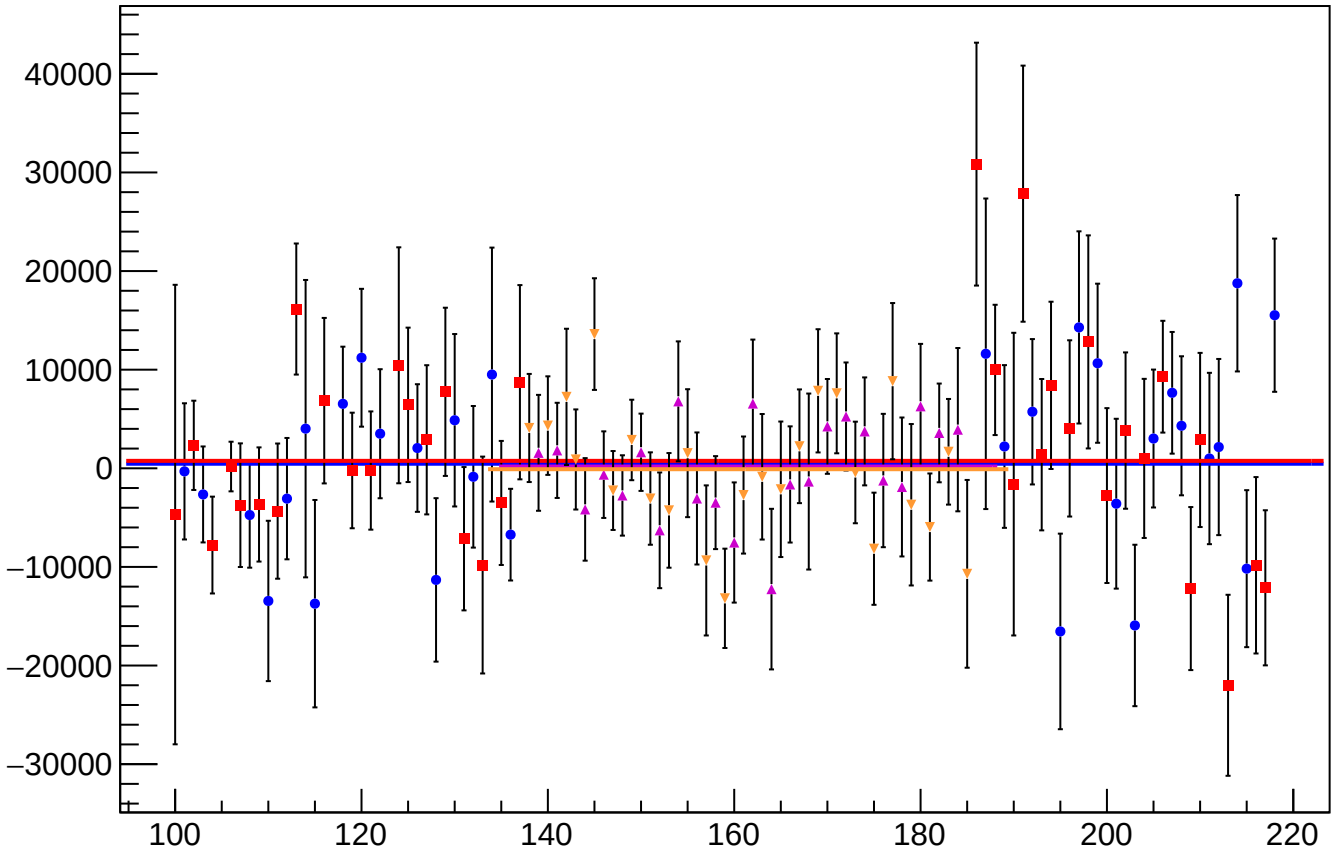
Right Out: 1989.777+/-0.315 χ^2/NDF: 437091.9/35

Left In: 1880.576+/-0.311 χ^2/NDF:19037.6/22

+ sign 1935.976+/-0.219 χ^2/NDF: 780803.1/56

All: 1935.241+/-0.155 χ^2/NDF: 1297990.9/11

- sign 1934.491+/-0.221 χ^2/NDF: 517165.0/58



Right In: 462.925+/-1302.736 χ^2/NDF: 38.9/31

Left Out: -91.892+/-1133.235 χ^2/NDF:28.1/24

Right Out: 754.884+/-1137.701 χ^2/NDF: 45.8/35

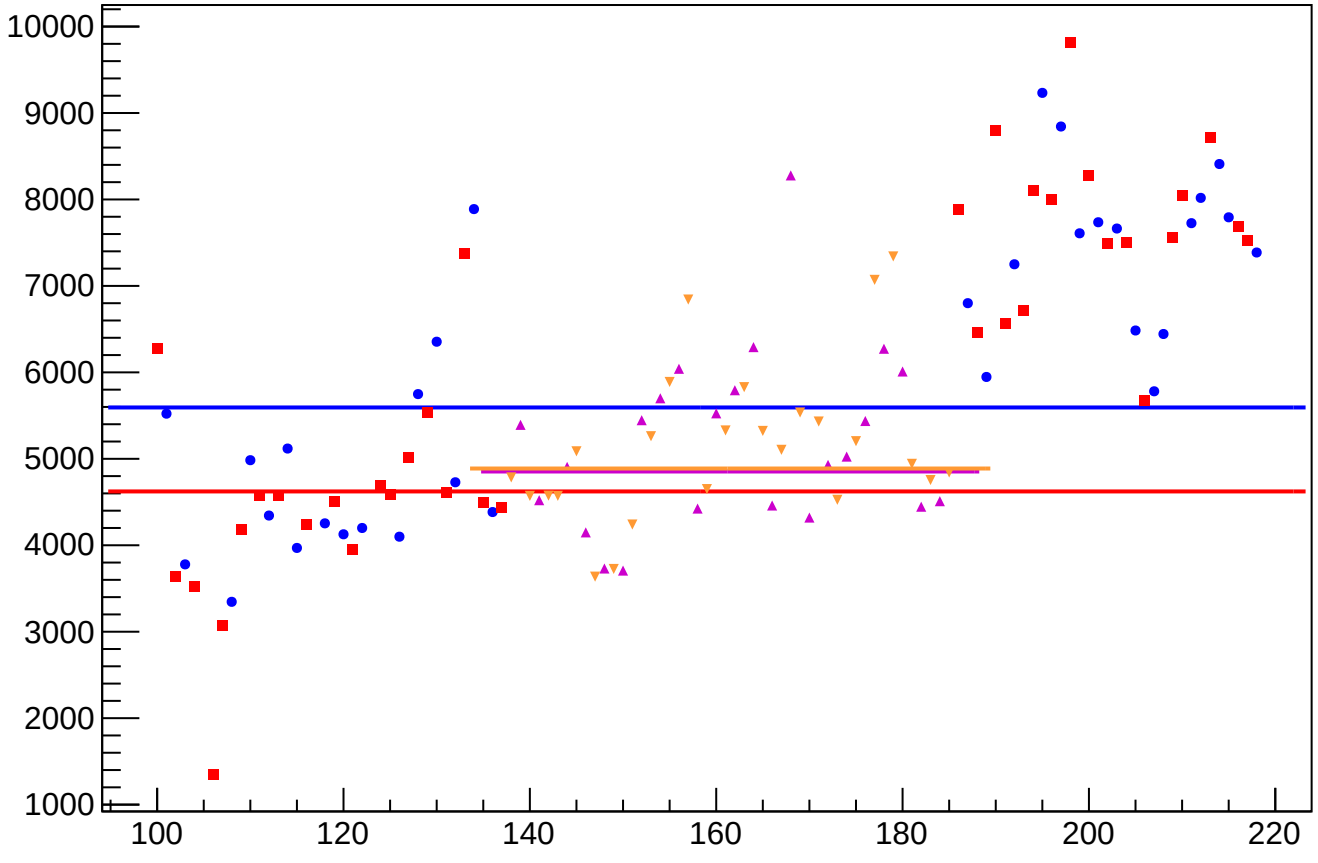
Left In: 177.140+/-1156.062 χ^2/NDF:13.5/22

+ sign 147.097+/-855.009 χ^2/NDF: 67.1/56

All: 317.429+/-588.365 χ^2/NDF: 126.6/115

- sign 470.636+/-810.890 χ^2/NDF: 59.5/58

asym_atr_avg_eigen_dit_correction_rms vs Slug



Right In: 5594.008+/-0.921 χ^2/NDF: 3186393.7/31

Left Out: 4887.830+/-0.801 χ^2/NDF:1063300.0/24

Right Out: 4622.681+/-0.804 χ^2/NDF: 8022222.9/35

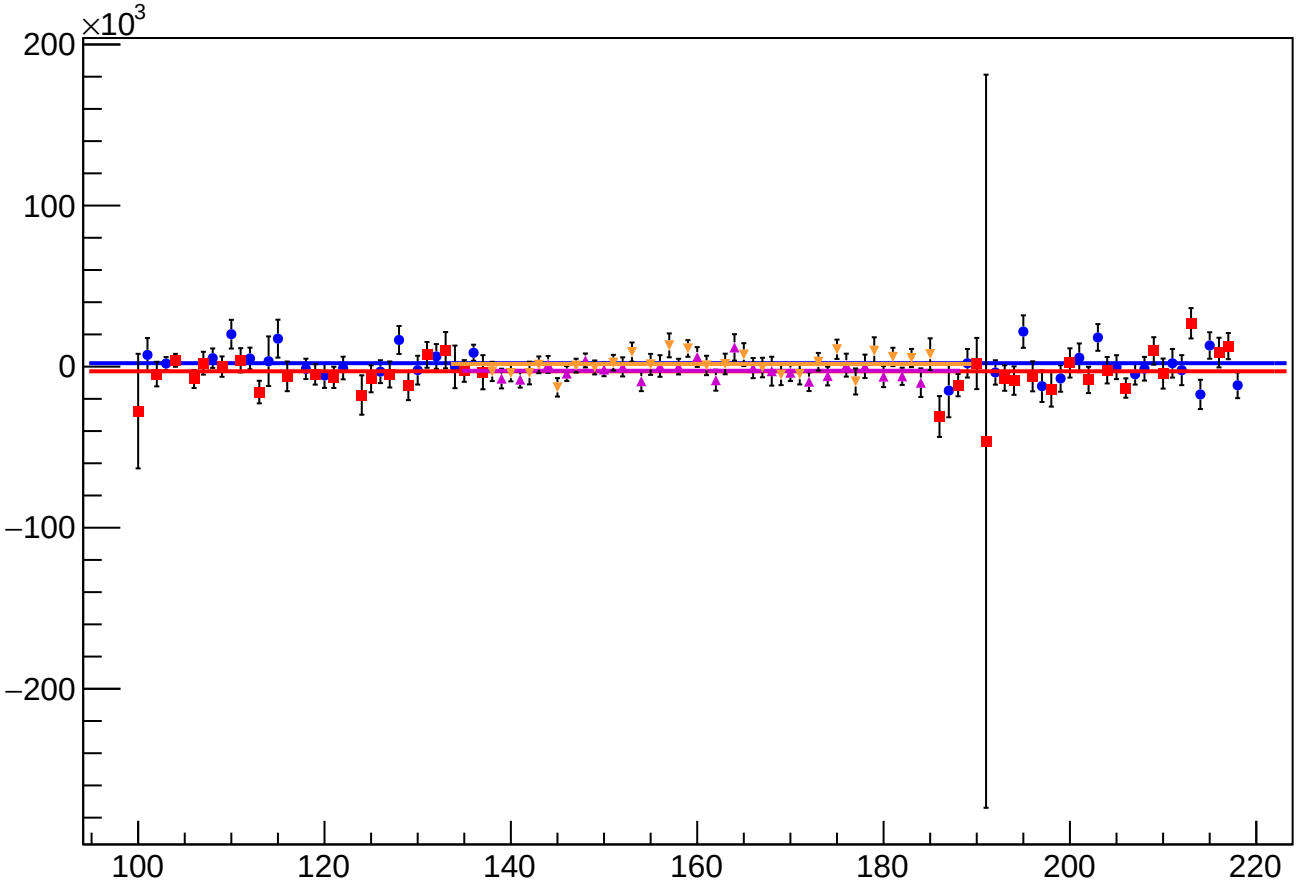
Left In: 4853.371+/-0.817 χ^2/NDF:1178639.4/22

+ sign 5192.019+/-0.605 χ^2/NDF: 4584232.1/56

All: 4952.035+/-0.416 χ^2/NDF: 14124834.5/1

- sign 4736.179+/-0.573 χ^2/NDF: 9241319.2/58

asym_atr_avg_mean vs Slug



Right In: 2141.962+/-1362.466 χ^2/NDF: 37.2/31

Left Out: 1654.615+/-1178.652 χ^2/NDF:26.0/24

Right Out: -2889.126+/-1323.586 χ^2/NDF: 45.2/35

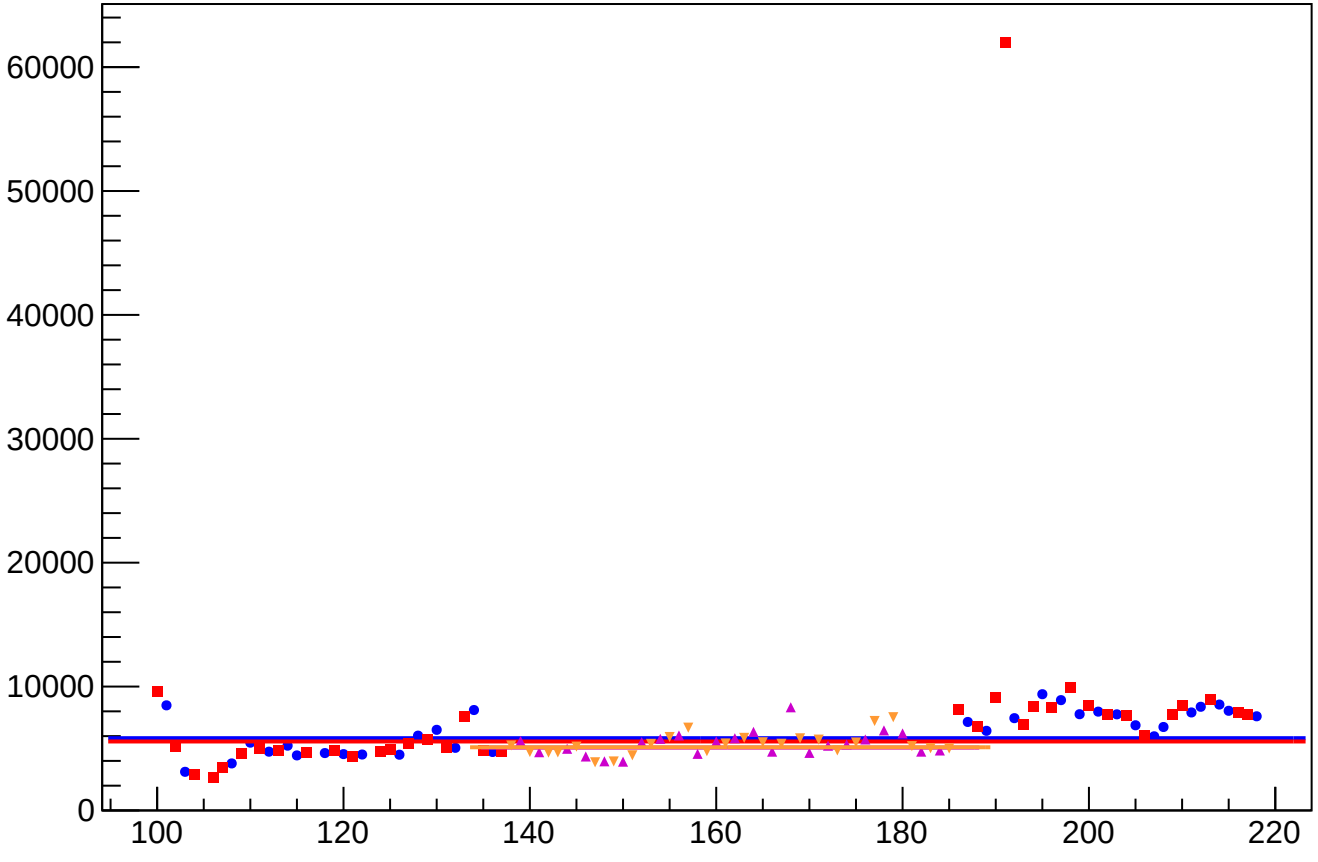
Left In: -2563.603+/-1204.450 χ^2/NDF:16.0/22

+ sign 1863.219+/-891.391 χ^2/NDF: 63.2/56

All: -425.379+/-630.107 χ^2/NDF: 137.6/115

- sign -2711.058+/-890.822 χ^2/NDF: 61.2/58

asym_atr_avg_rms vs Slug



Right In: 5833.788+/-0.963 χ^2/NDF: 3453005.9/31

Left Out: 5100.641+/-0.833 χ^2/NDF:909330.5/24

Right Out: 5567.817+/-0.931 χ^2/NDF: 4549669.6/35

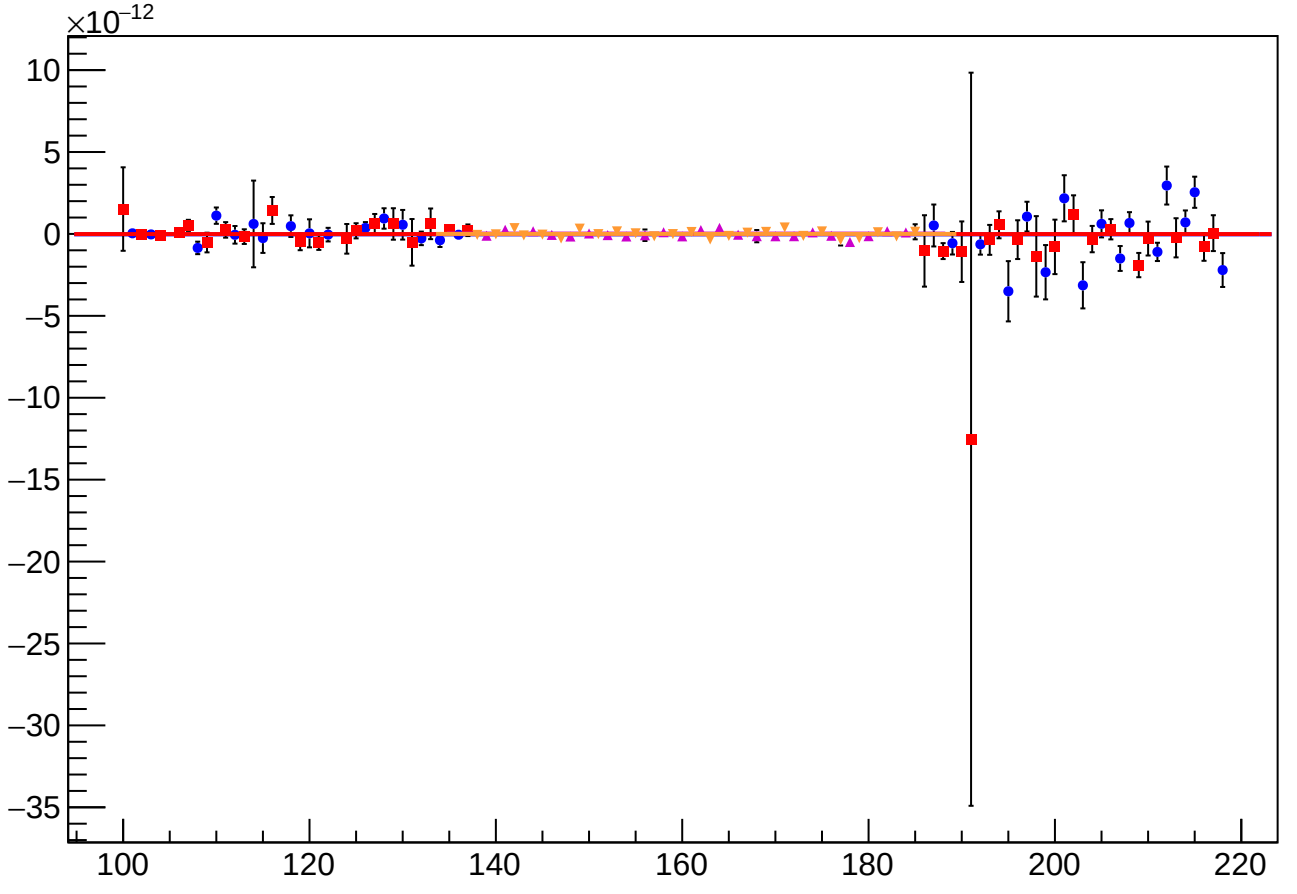
Left In: 5073.543+/-0.852 χ^2/NDF:991915.5/22

+ sign 5414.458+/-0.630 χ^2/NDF: 4693563.3/56

All: 5356.437+/-0.445 χ^2/NDF: 10405524.1/1

- sign 5298.778+/-0.628 χ^2/NDF: 5695066.8/58

asym_atr_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 60.4/31

Left Out: 0.000+/-0.000 χ^2/NDF:33.3/24

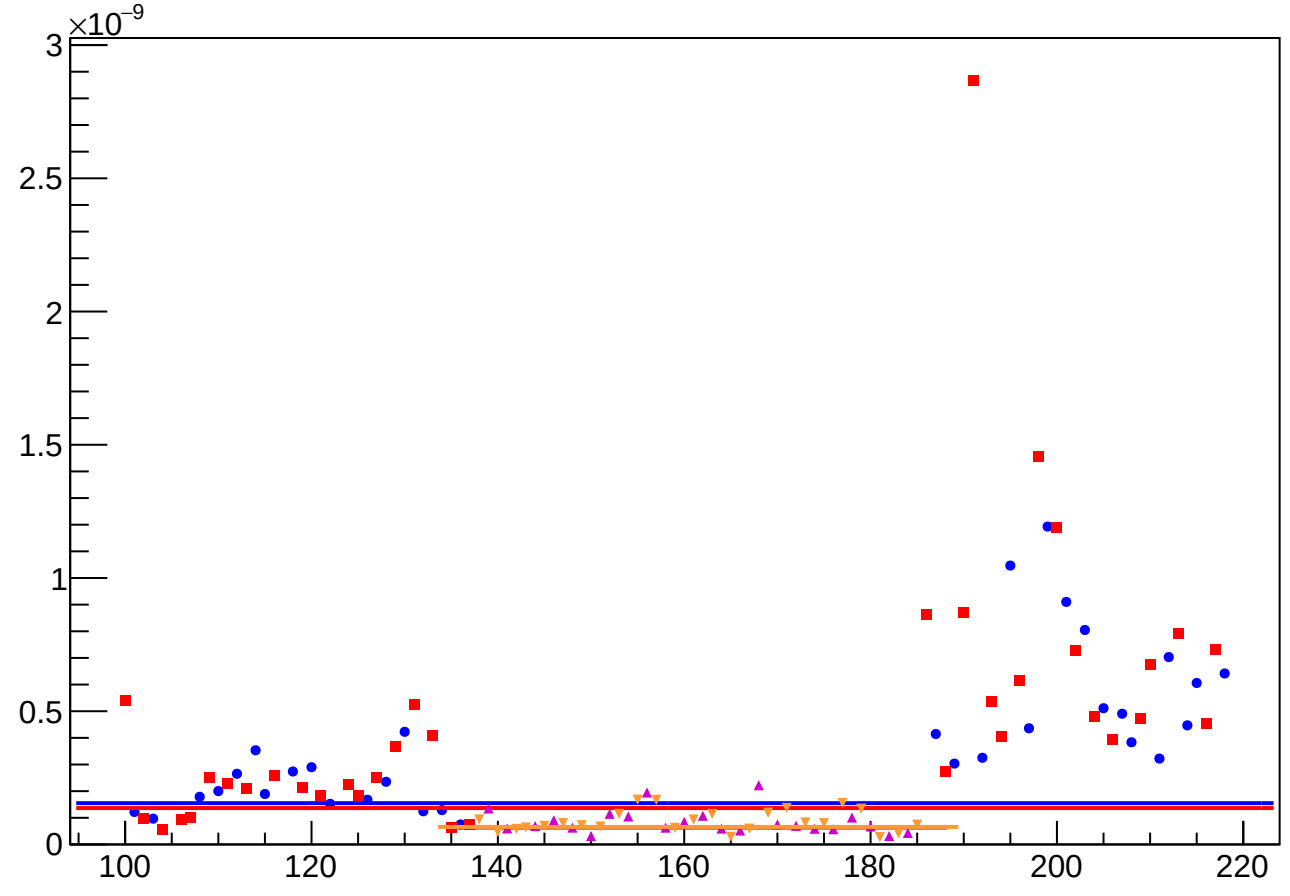
Right Out: -0.000+/-0.000 χ^2/NDF: 31.1/35

Left In: 0.000+/-0.000 χ^2/NDF:32.4/22

+ sign -0.000+/-0.000 χ^2/NDF: 93.8/56

All: 0.000+/-0.000 χ^2/NDF: 157.7/115

- sign 0.000+/-0.000 χ^2/NDF: 63.6/58



Right In: 0.000+/-0.000 χ^2/NDF: 7217175.7/31

Left Out: 0.000+/-0.000 χ^2/NDF:2472657.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9047843.8/35

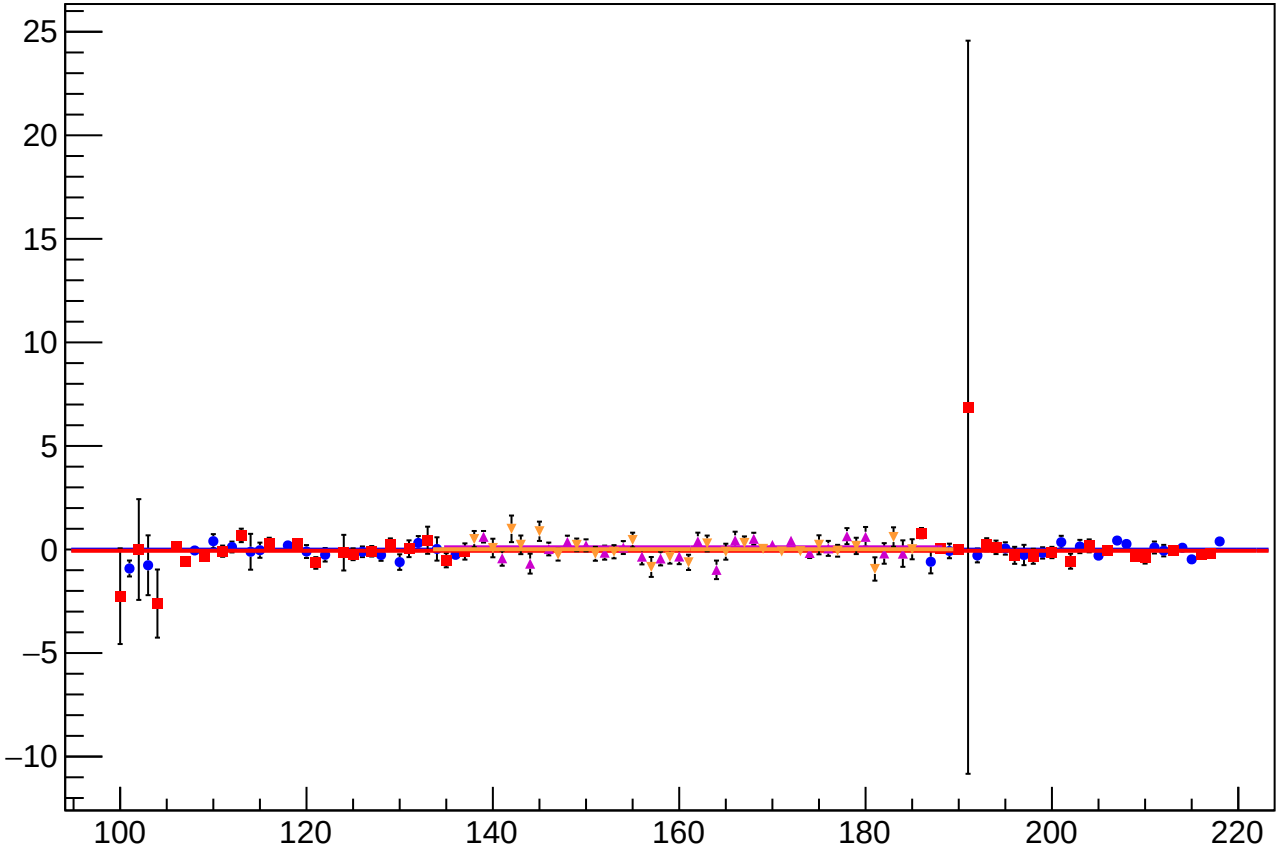
Left In: 0.000+/-0.000 χ^2/NDF:2196878.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 12423869.8/56

All: 0.000+/-0.000 χ^2/NDF: 25634525.1/115

- sign 0.000+/-0.000 χ^2/NDF: 13184306.7/58

asym_atr_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.007+/-0.048 χ^2/NDF: 39.9/31

Left Out: 0.012+/-0.068 χ^2/NDF:25.2/24

Right Out: -0.062+/-0.045 χ^2/NDF: 49.8/35

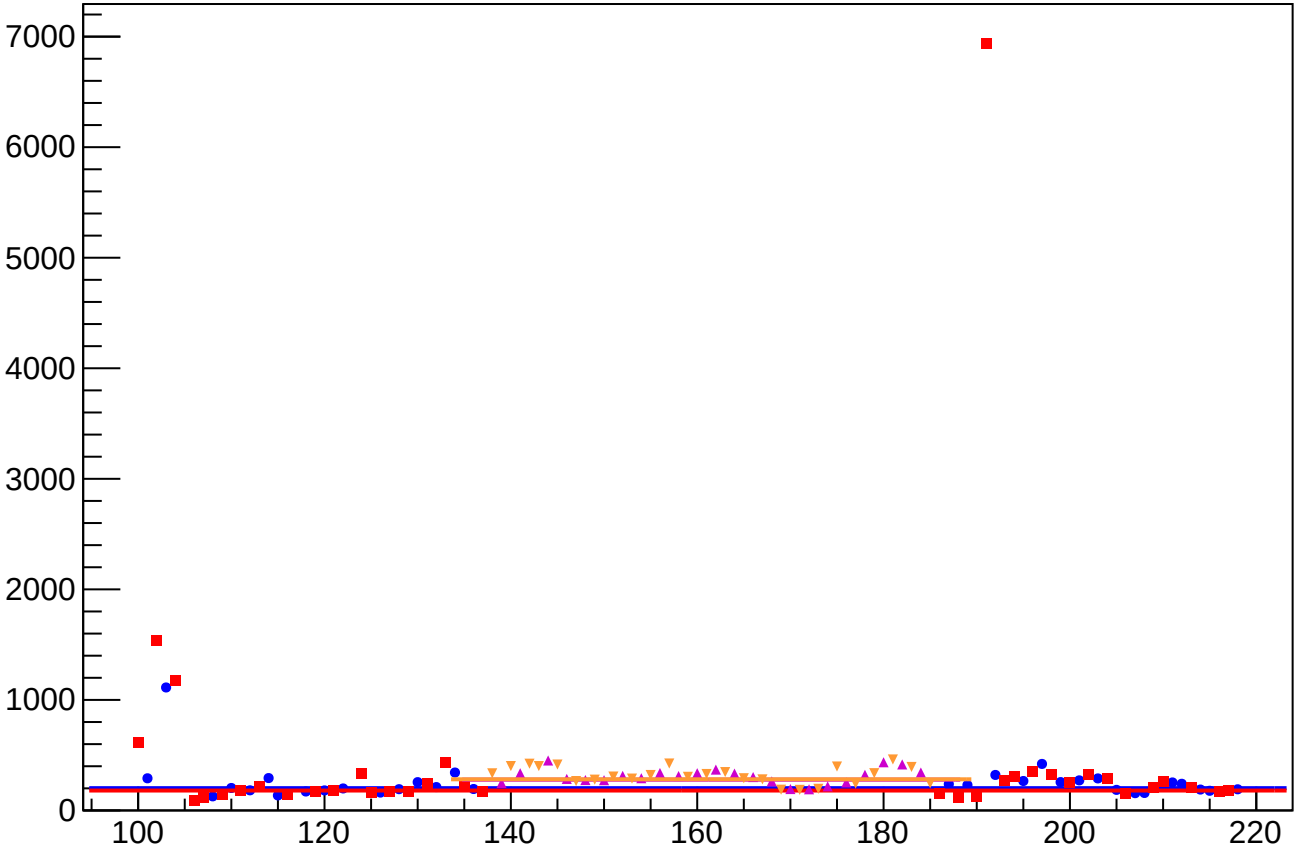
Left In: 0.105+/-0.069 χ^2/NDF:31.4/22

+ sign -0.001+/-0.039 χ^2/NDF: 65.2/56

All: -0.007+/-0.027 χ^2/NDF: 150.7/115

- sign -0.012+/-0.037 χ^2/NDF: 85.4/58

asym_atr_avg_dit_vs_cor_diff_rms vs Slug



Right In: 201.716+/-0.034 χ^2/NDF: 3038560.7/31

Left Out: 281.818+/-0.048 χ^2/NDF:2520824.2/24

Right Out: 180.233+/-0.032 χ^2/NDF: 5686547.3/35

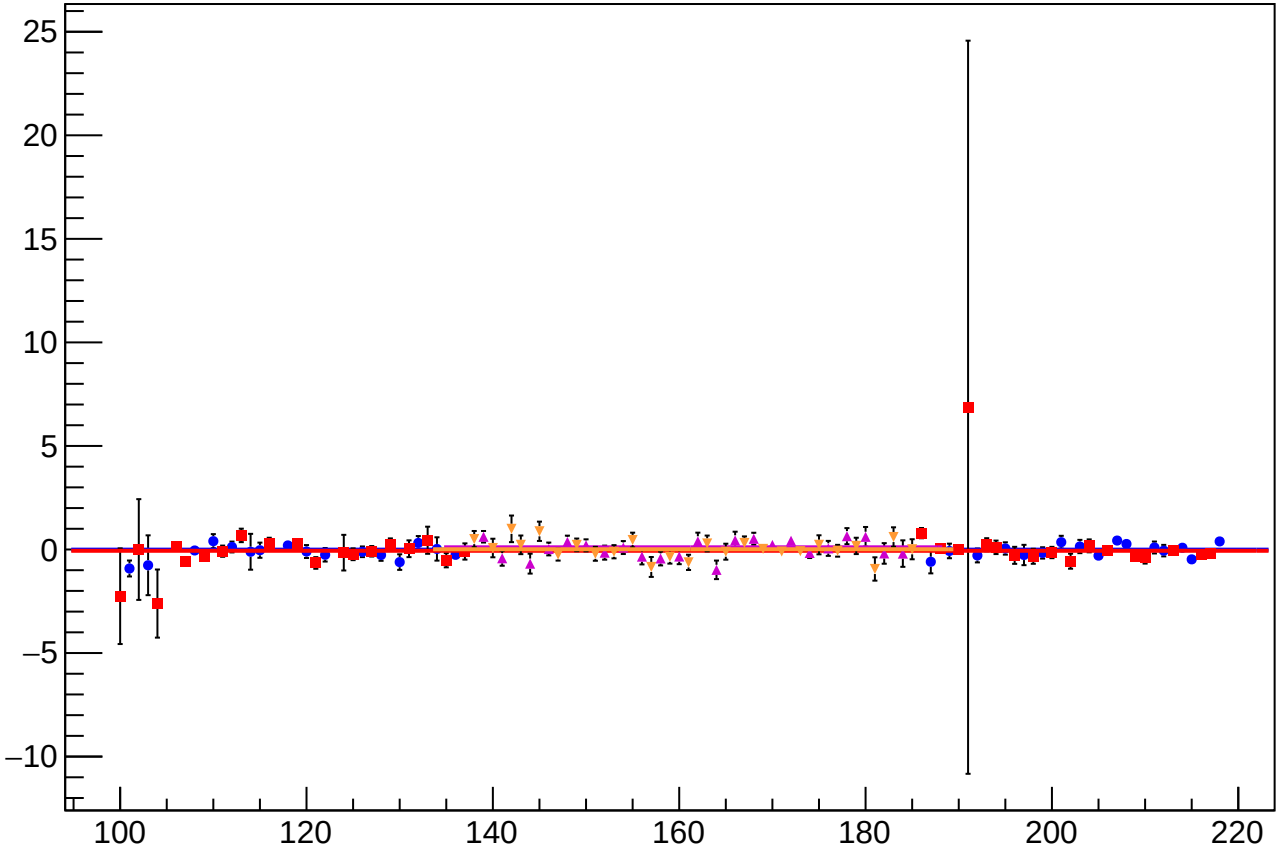
Left In: 278.409+/-0.049 χ^2/NDF:1799690.4/22

+ sign 228.676+/-0.028 χ^2/NDF: 7398008.5/56

All: 218.624+/-0.019 χ^2/NDF: 18003848.8/11

- sign 209.558+/-0.027 χ^2/NDF: 10359221.4/58

asym_atr_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.007+/-0.048 χ^2/NDF: 39.9/31

Left Out: 0.012+/-0.068 χ^2/NDF:25.2/24

Right Out: -0.062+/-0.045 χ^2/NDF: 49.8/35

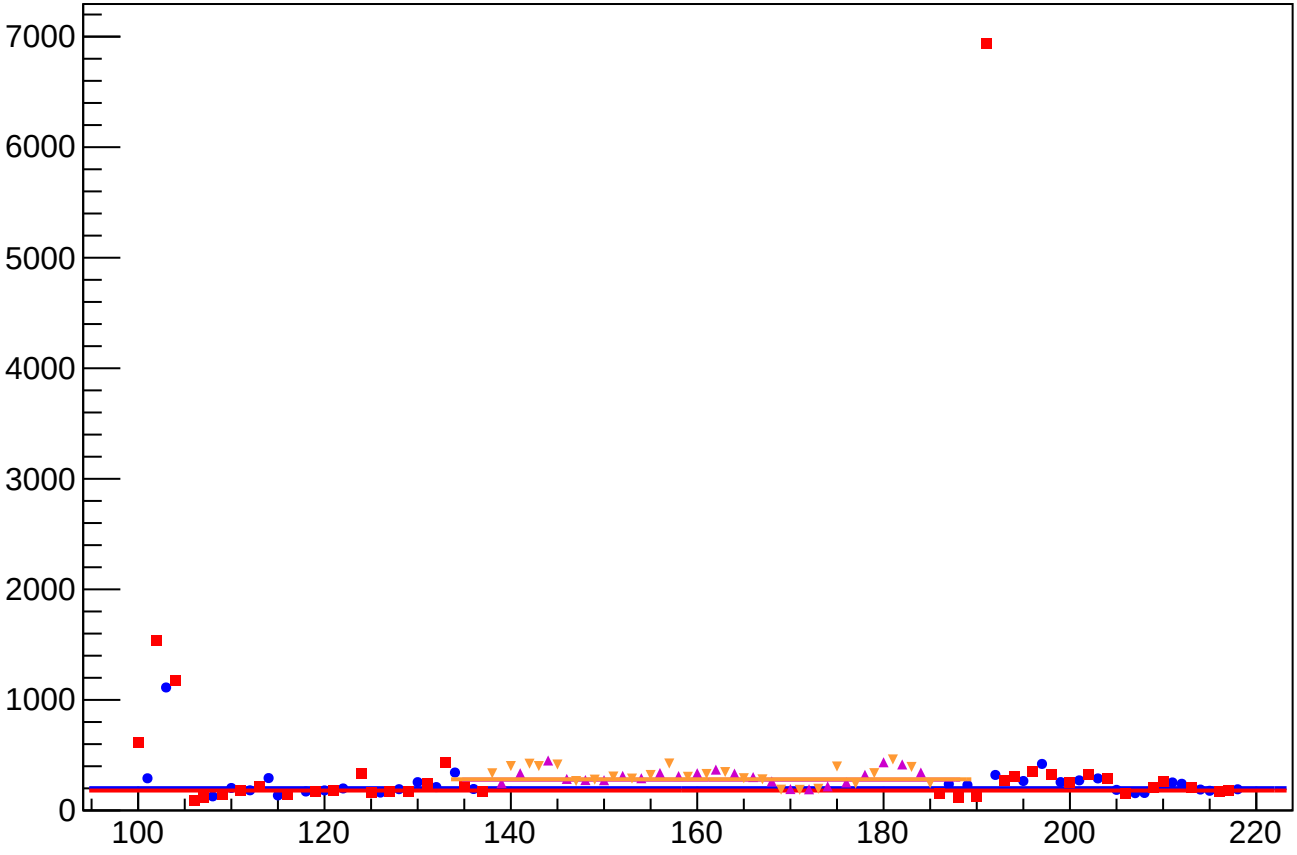
Left In: 0.105+/-0.069 χ^2/NDF:31.4/22

+ sign -0.001+/-0.039 χ^2/NDF: 65.2/56

All: -0.007+/-0.027 χ^2/NDF: 150.7/115

- sign -0.012+/-0.037 χ^2/NDF: 85.4/58

asym_atr_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 201.716+/-0.034 χ^2/NDF: 3038560.7/31

Left Out: 281.818+/-0.048 χ^2/NDF:2520824.2/24

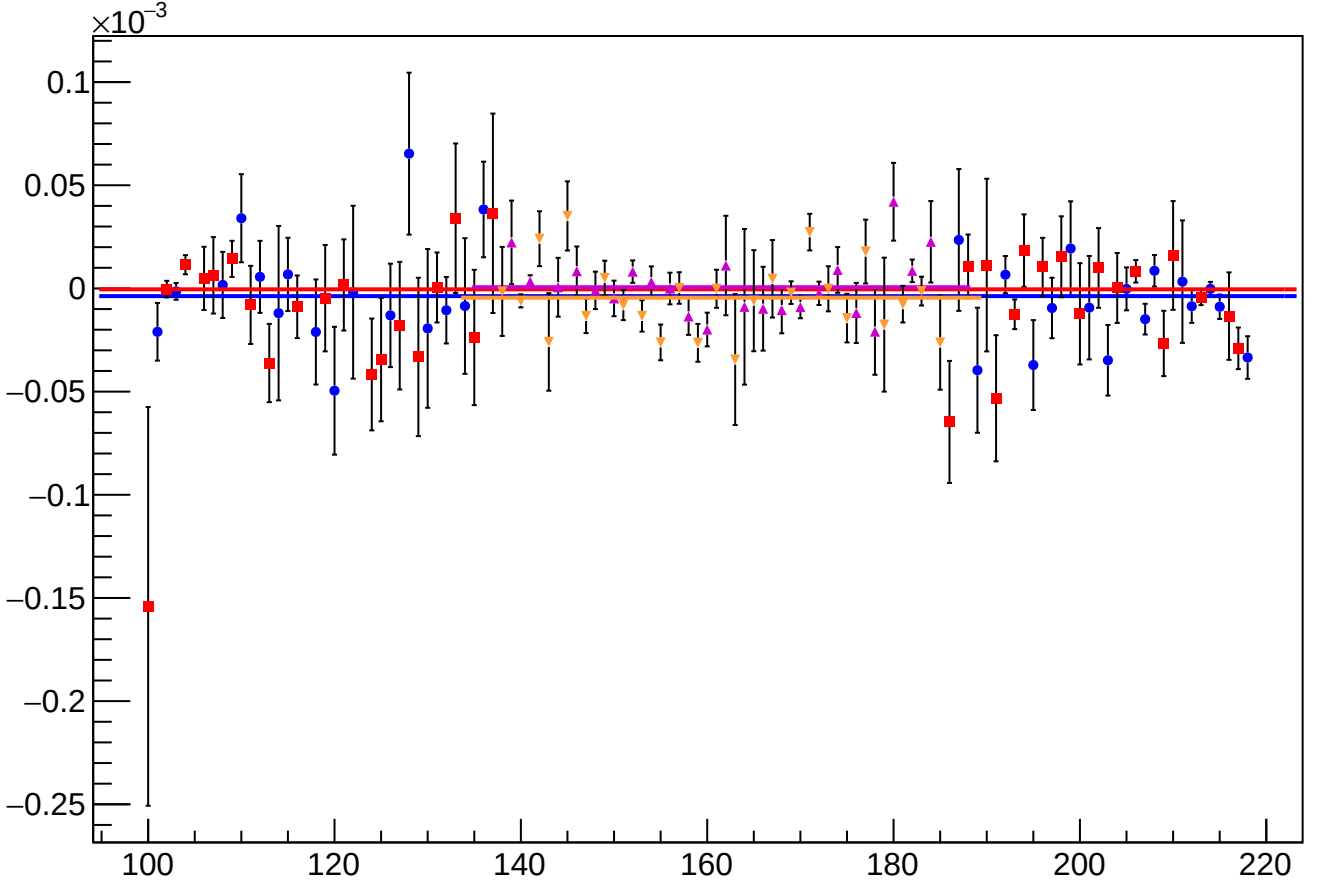
Right Out: 180.233+/-0.032 χ^2/NDF: 5686547.3/35

Left In: 278.409+/-0.049 χ^2/NDF:1799690.4/22

+ sign 228.676+/-0.028 χ^2/NDF: 7398008.5/56

All: 218.624+/-0.019 χ^2/NDF: 18003848.8/11

- sign 209.558+/-0.027 χ^2/NDF: 10359221.4/58



Right In: -0.000+/-0.000 χ^2/NDF: 41.0/31

Left Out: -0.000+/-0.000 χ^2/NDF:46.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 52.2/35

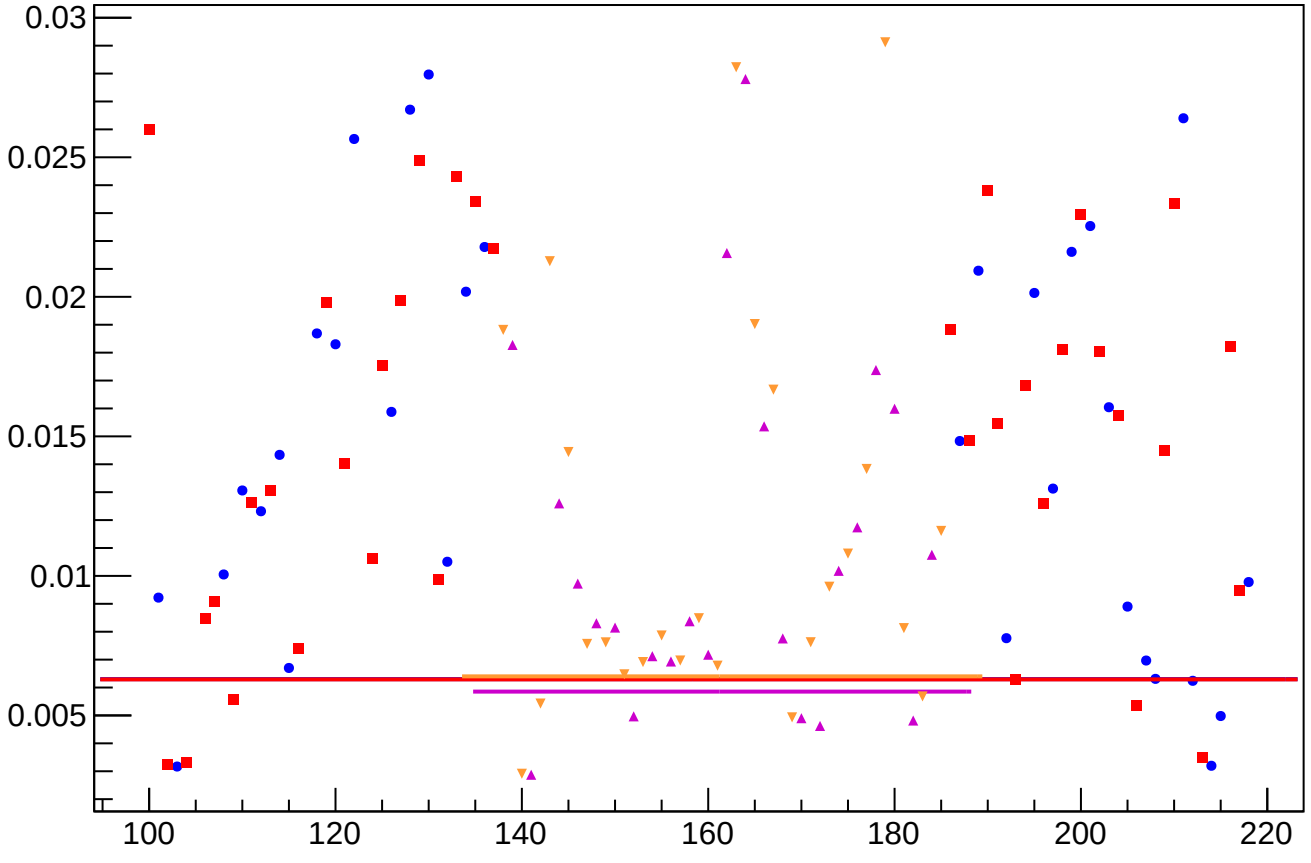
Left In: 0.000+/-0.000 χ^2/NDF:29.1/22

+ sign -0.000+/-0.000 χ^2/NDF: 87.5/56

All: -0.000+/-0.000 χ^2/NDF: 175.0/115

- sign 0.000+/-0.000 χ^2/NDF: 81.5/58

asym_atr_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF: 13263188.5/31

Left Out: 0.006+/-0.000 χ^2/NDF:8964265.3/24

Right Out: 0.006+/-0.000 χ^2/NDF: 14975512.8/35

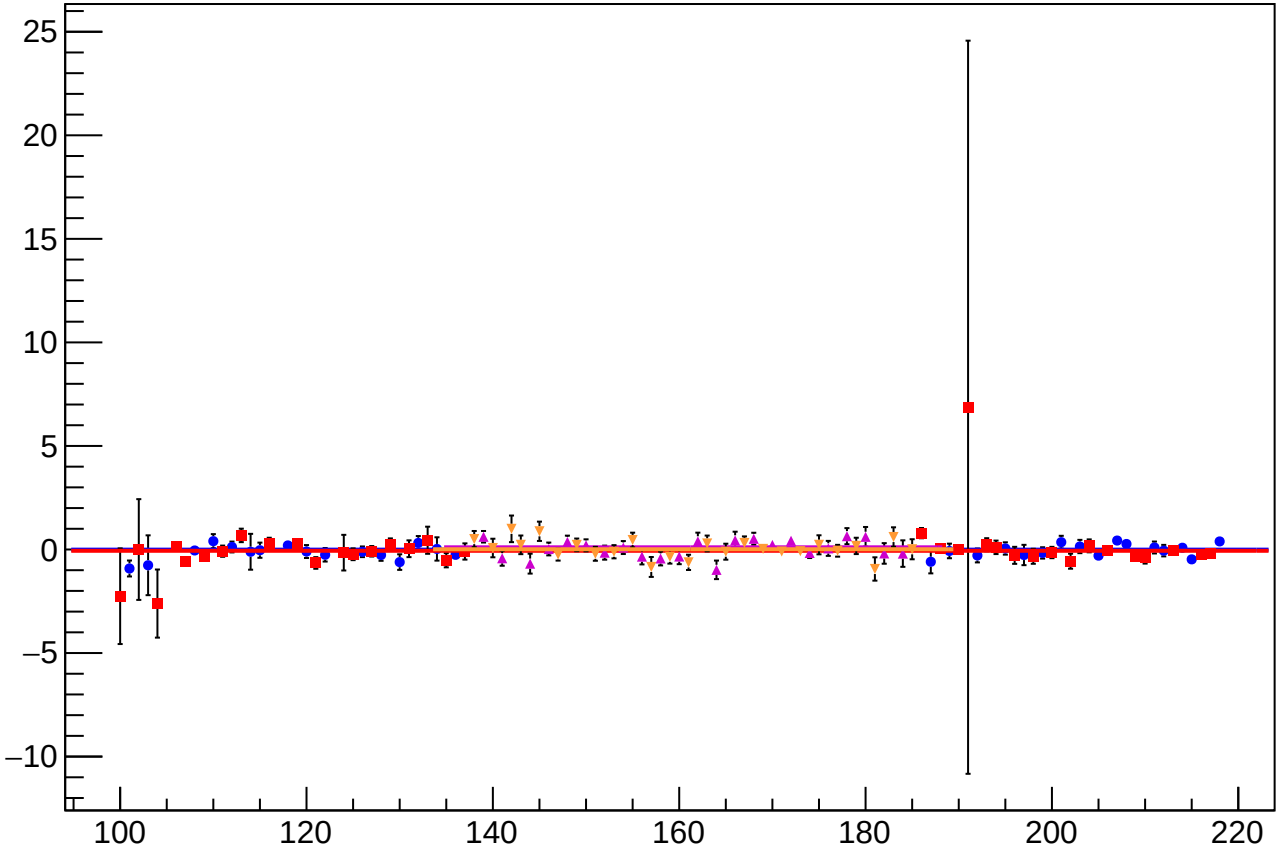
Left In: 0.006+/-0.000 χ^2/NDF:8144305.6/22

+ sign 0.006+/-0.000 χ^2/NDF: 22230647.6/56

All: 0.006+/-0.000 χ^2/NDF: 45475424.5/115

- sign 0.006+/-0.000 χ^2/NDF: 23185760.4/58

asym_atr_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.007+/-0.048 χ^2/NDF: 39.9/31

Left Out: 0.012+/-0.068 χ^2/NDF:25.2/24

Right Out: -0.062+/-0.045 χ^2/NDF: 49.8/35

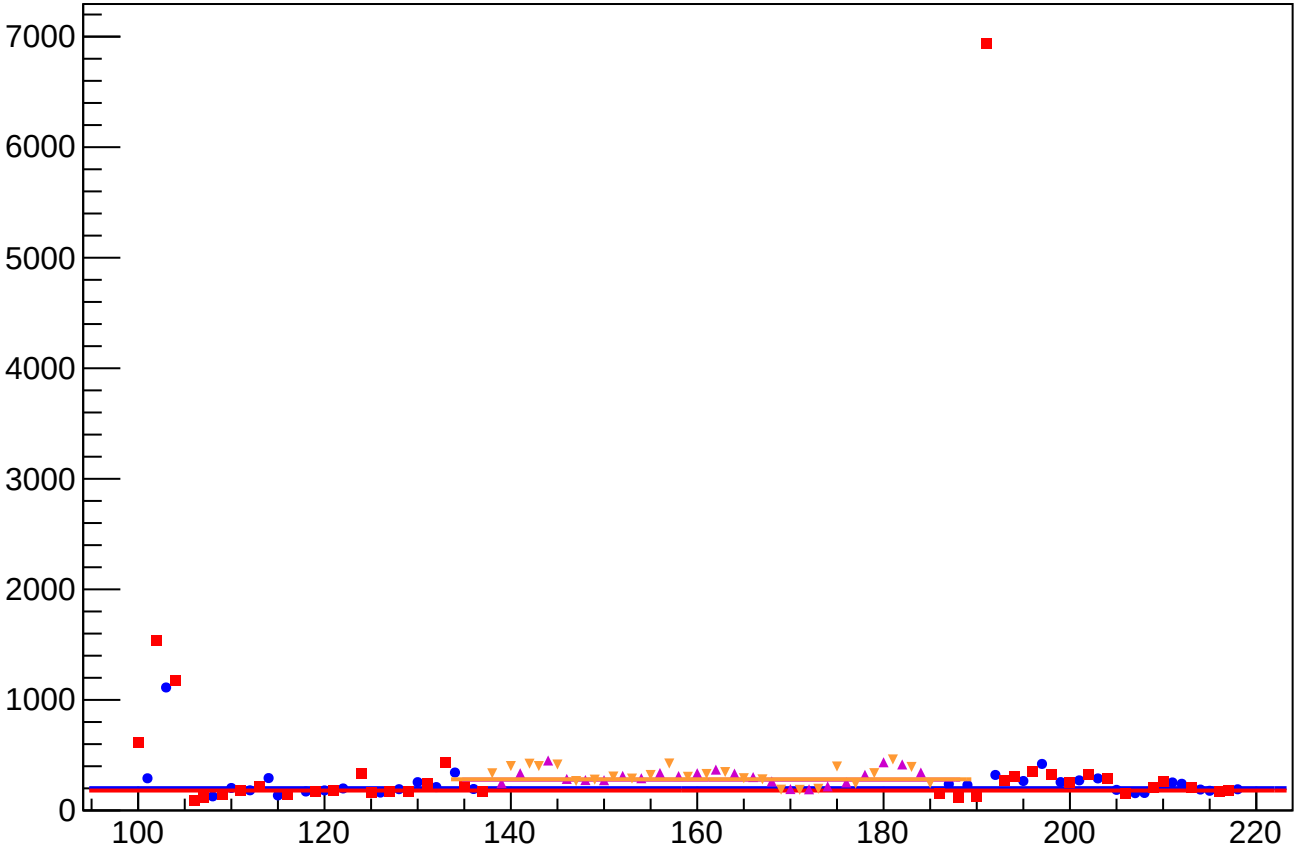
Left In: 0.105+/-0.069 χ^2/NDF:31.4/22

+ sign -0.001+/-0.039 χ^2/NDF: 65.2/56

All: -0.007+/-0.027 χ^2/NDF: 150.7/115

- sign -0.012+/-0.037 χ^2/NDF: 85.4/58

asym_atr_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 201.716+/-0.034 χ^2/NDF: 3038584.4/31

Left Out: 281.820+/-0.048 χ^2/NDF:2520889.0/24

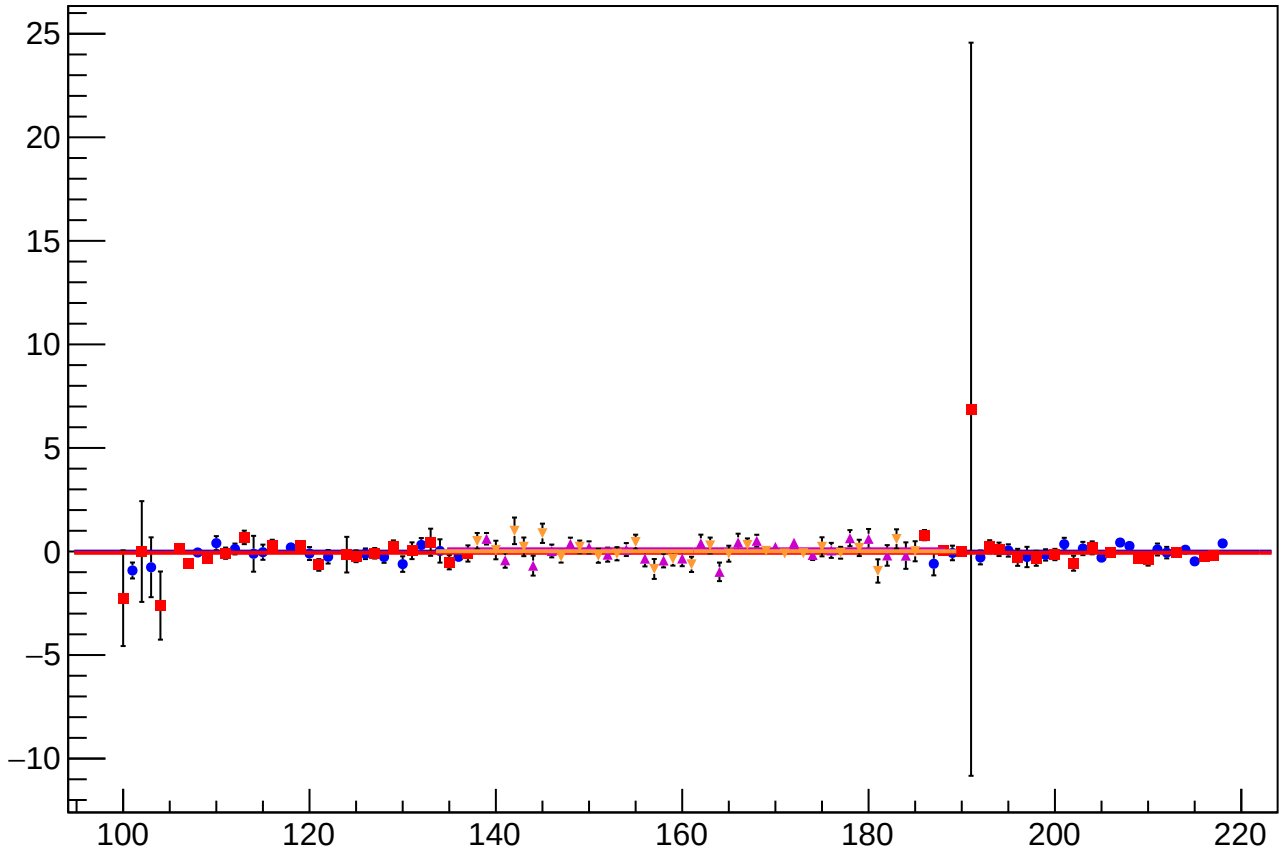
Right Out: 180.231+/-0.032 χ^2/NDF: 5686696.5/35

Left In: 278.412+/-0.049 χ^2/NDF:1799730.1/22

+ sign 228.676+/-0.028 χ^2/NDF: 7398207.4/56

All: 218.623+/-0.019 χ^2/NDF: 18004572.9/11

- sign 209.557+/-0.027 χ^2/NDF: 10359689.6/58



Right In: -0.007+/-0.048 χ^2/NDF: 39.9/31

Left Out: 0.012+/-0.068 χ^2/NDF:25.2/24

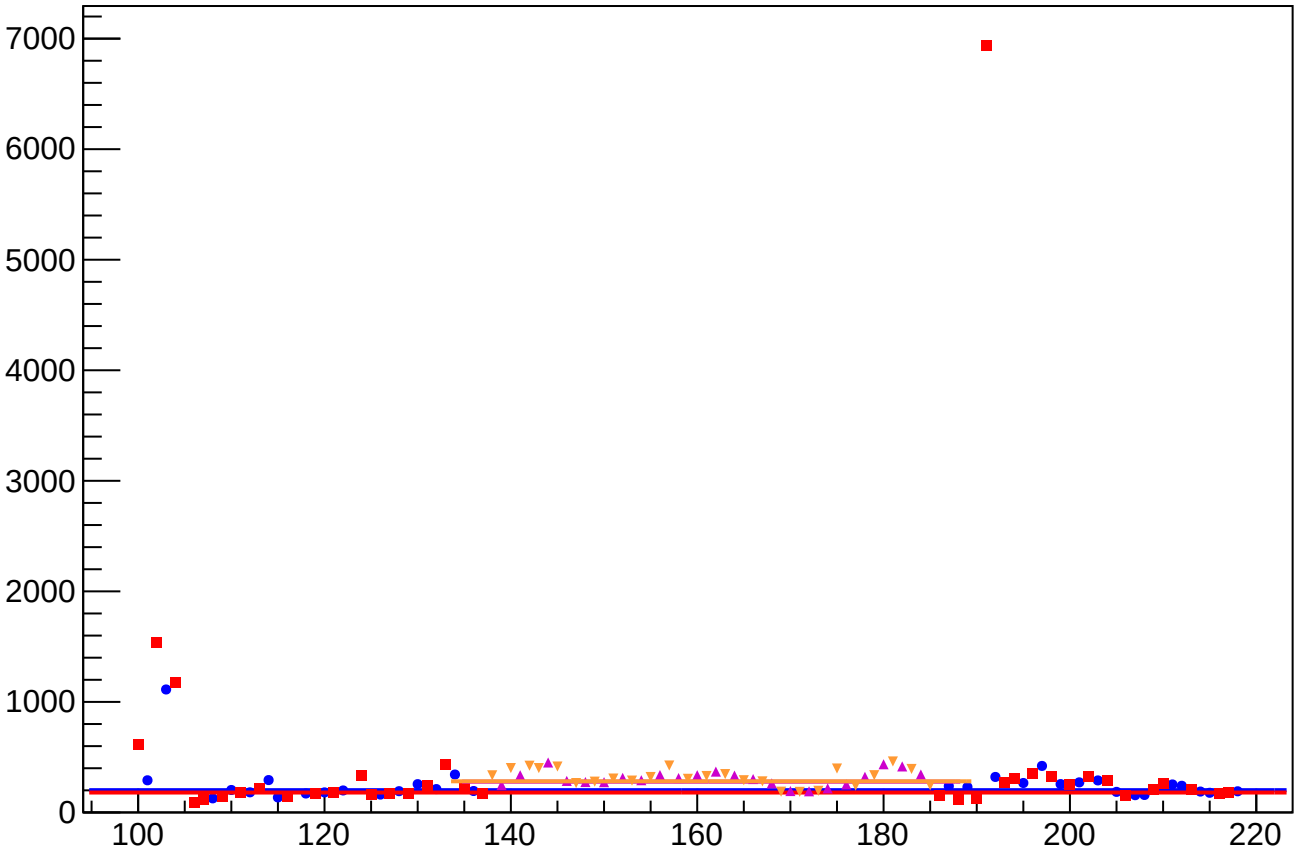
Right Out: -0.062+/-0.045 χ^2/NDF: 49.8/35

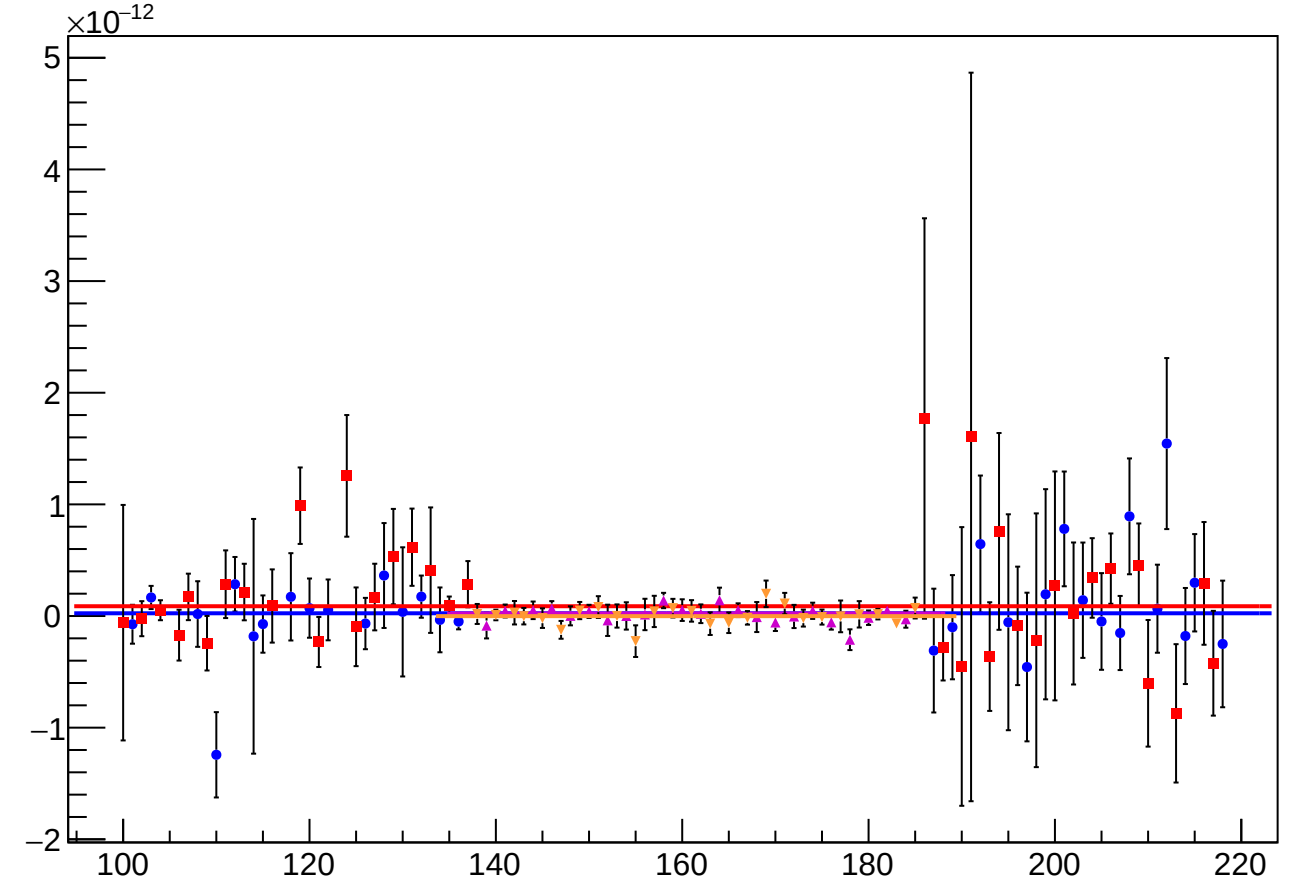
Left In: 0.105+/-0.069 χ^2/NDF:31.4/22

\+ sign -0.001+/-0.039 χ^2/NDF: 65.2/56

All: -0.007+/-0.027 χ^2/NDF: 150.7/115

\- sign -0.012+/-0.037 χ^2/NDF: 85.4/58


asym_atr_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug
7000
6000
5000
4000
3000
2000
1000
0
100
120
140
160
180
200
220
Right In: 201.716+/-0.034 χ²/NDF: 3038584.4/31
Left Out: 281.820+/-0.048 χ²/NDF:2520889.0/24
Right Out: 180.231+/-0.032 χ²/NDF: 5686696.5/35
Left In: 278.412+/-0.049 χ²/NDF:1799730.1/22
+ sign 228.676+/-0.028 χ²/NDF: 7398207.4/56
All: 218.623+/-0.019 χ²/NDF: 18004572.9/11
- sign 209.557+/-0.027 χ²/NDF: 10359689.6/58



Right In: 0.000+/-0.000 χ^2/NDF: 29.3/31

Left Out: -0.000+/-0.000 χ^2/NDF:15.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 35.6/35

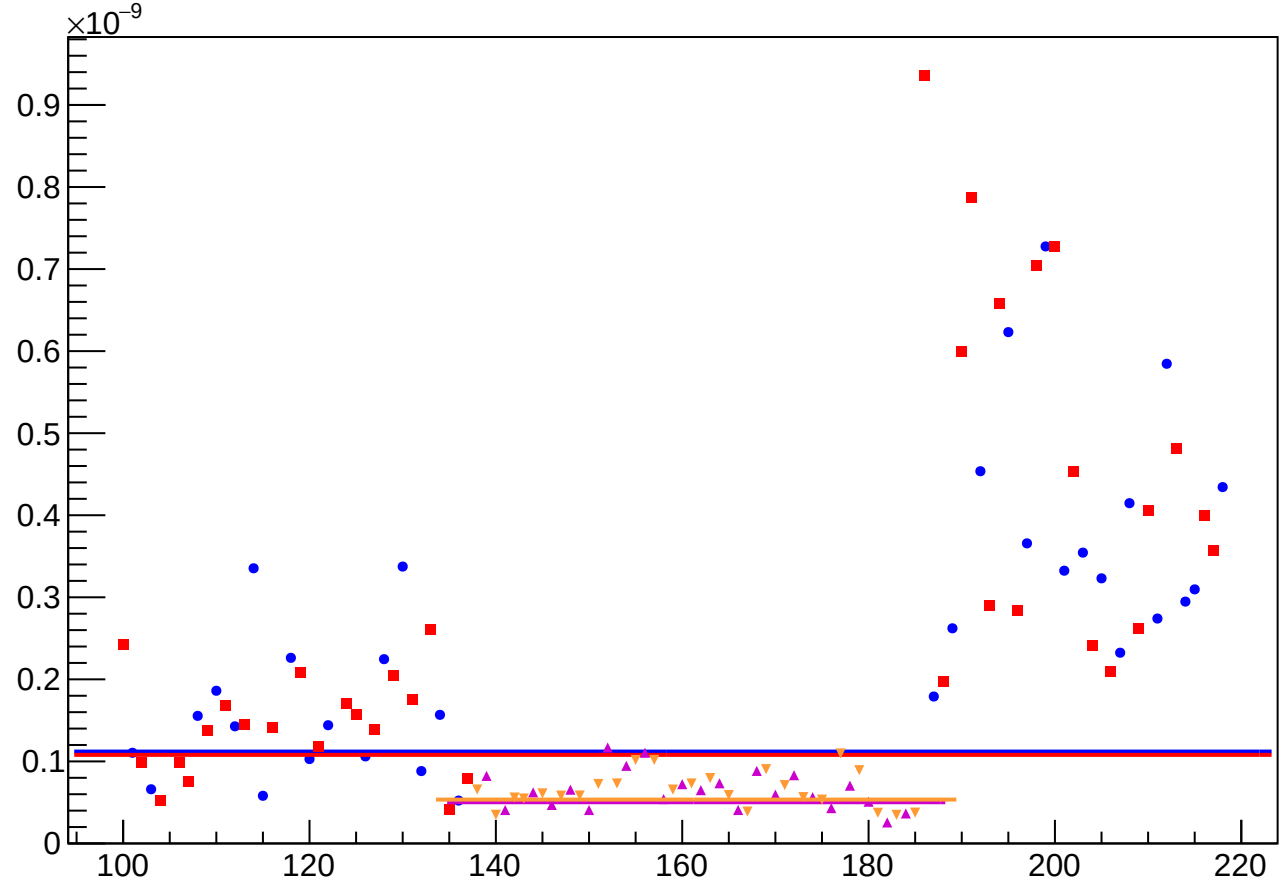
Left In: 0.000+/-0.000 χ^2/NDF:16.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 45.0/56

All: 0.000+/-0.000 χ^2/NDF: 101.4/115

- sign 0.000+/-0.000 χ^2/NDF: 54.5/58

asym_atr_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 10183683.0/31

Left Out: 0.000+/-0.000 χ^2/NDF:2781376.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10330390.8/35

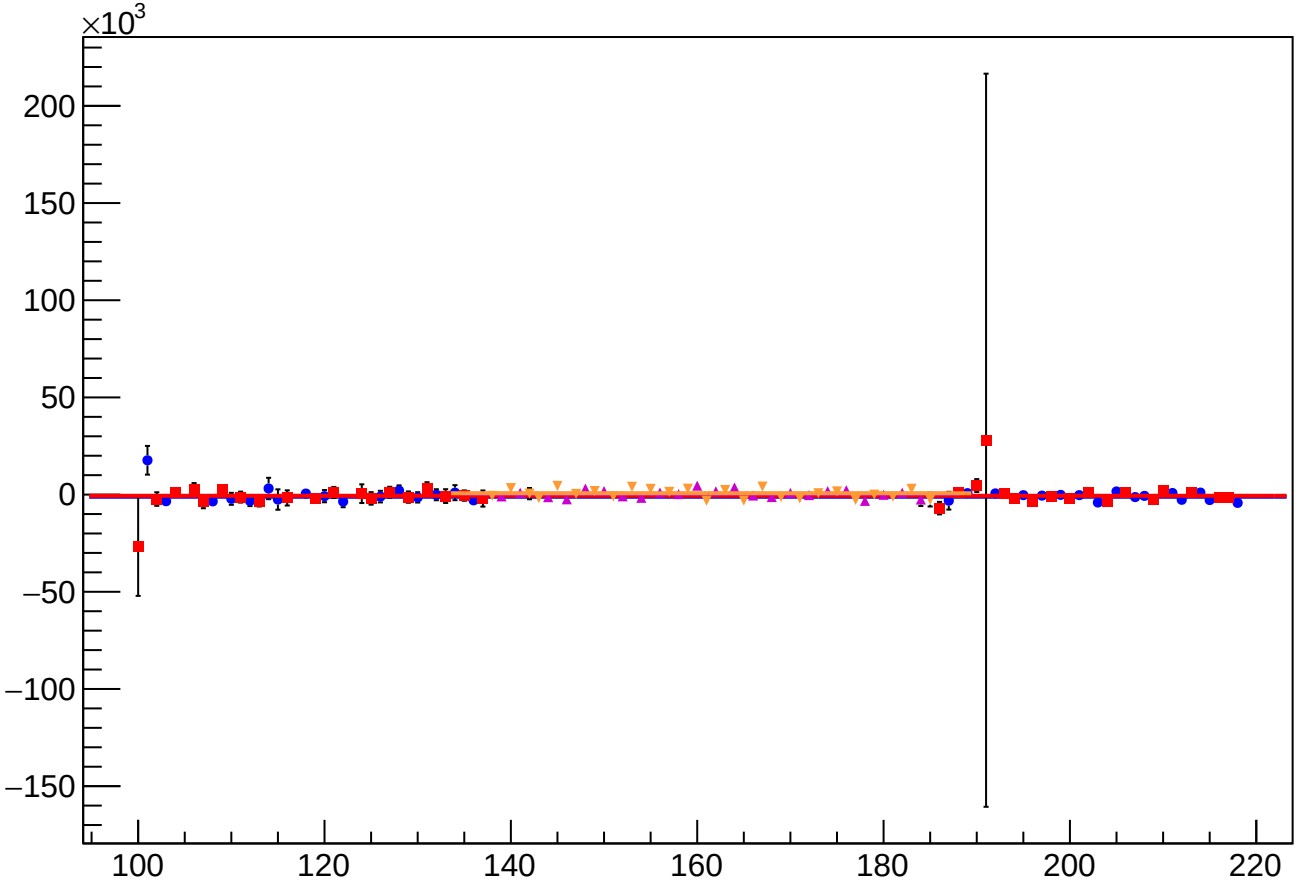
Left In: 0.000+/-0.000 χ^2/NDF:3367886.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 16255768.3/56

All: 0.000+/-0.000 χ^2/NDF: 33328889.6/115

- sign 0.000+/-0.000 χ^2/NDF: 17020731.7/58

reg_asym_atr_dd_mean vs Slug



Right In: -1095.060+/-433.047 χ^2/NDF: 24.9/31

Left Out: 705.742+/-415.383 χ^2/NDF:31.9/24

Right Out: -604.122+/-430.660 χ^2/NDF: 27.0/35

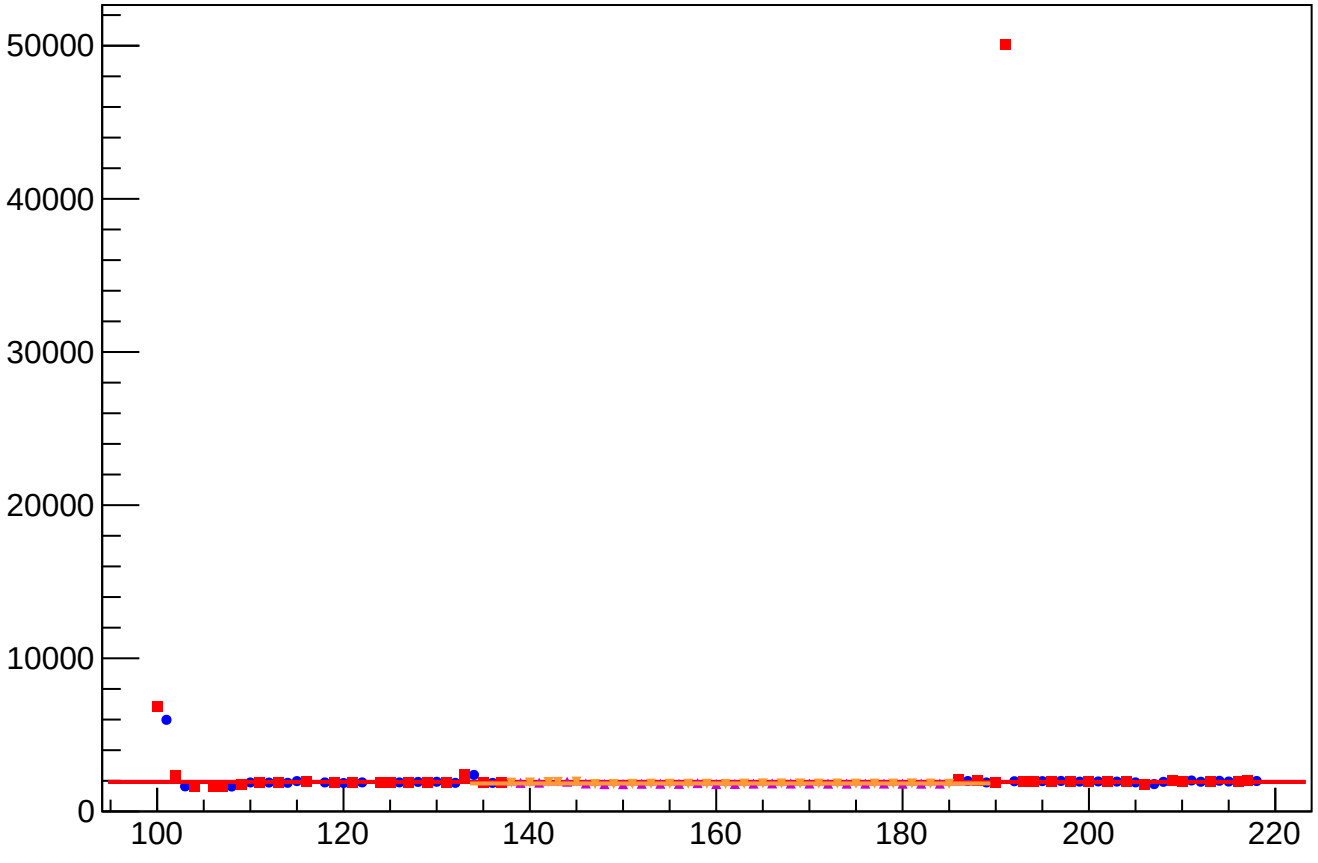
Left In: 403.144+/-426.215 χ^2/NDF:20.7/22

+ sign -157.184+/-299.770 χ^2/NDF: 65.8/56

All: -126.550+/-213.081 χ^2/NDF: 116.3/115

- sign -95.264+/-302.939 χ^2/NDF: 50.5/58

reg_asym_atr_dd_rms vs Slug



Right In: 1929.208+/-0.306 χ^2/NDF: 725608.0/31

Left Out: 1828.243+/-0.294 χ^2/NDF:19329.0/24

Right Out: 1928.084+/-0.304 χ^2/NDF: 395413.8/35

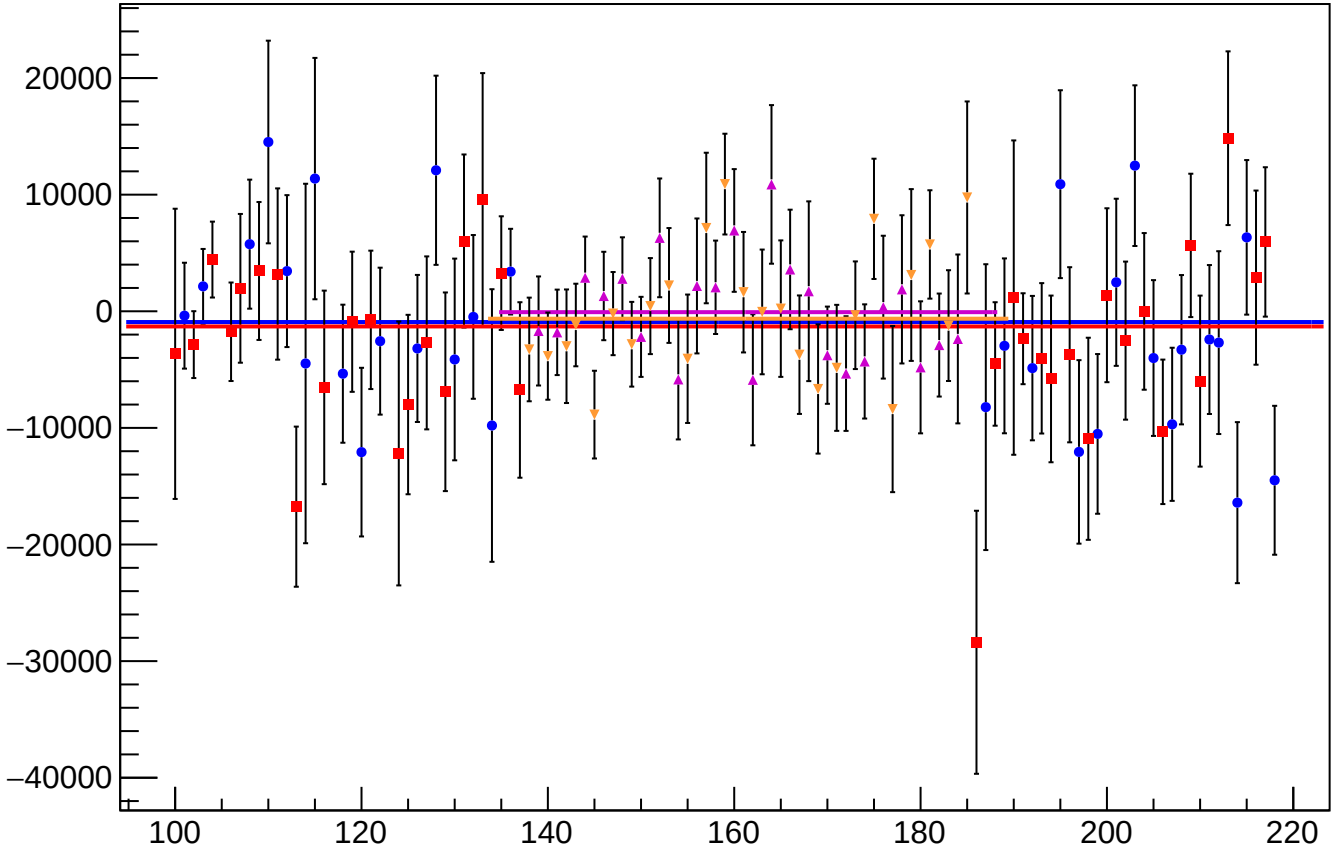
Left In: 1825.165+/-0.301 χ^2/NDF:13360.2/22

\+ sign 1876.624+/-0.212 χ^2/NDF: 801558.6/56

All: 1876.392+/-0.151 χ^2/NDF: 1268113.4/11

\- sign 1876.156+/-0.214 χ^2/NDF: 466552.4/58

asym_atr_dd_reg_correction_mean vs Slug



Right In: -922.177+/-1132.254 χ^2/NDF: 39.2/31

Left Out: -637.703+/-946.866 χ^2/NDF:26.0/24

Right Out: -1301.327+/-1016.347 χ^2/NDF: 34.2/35

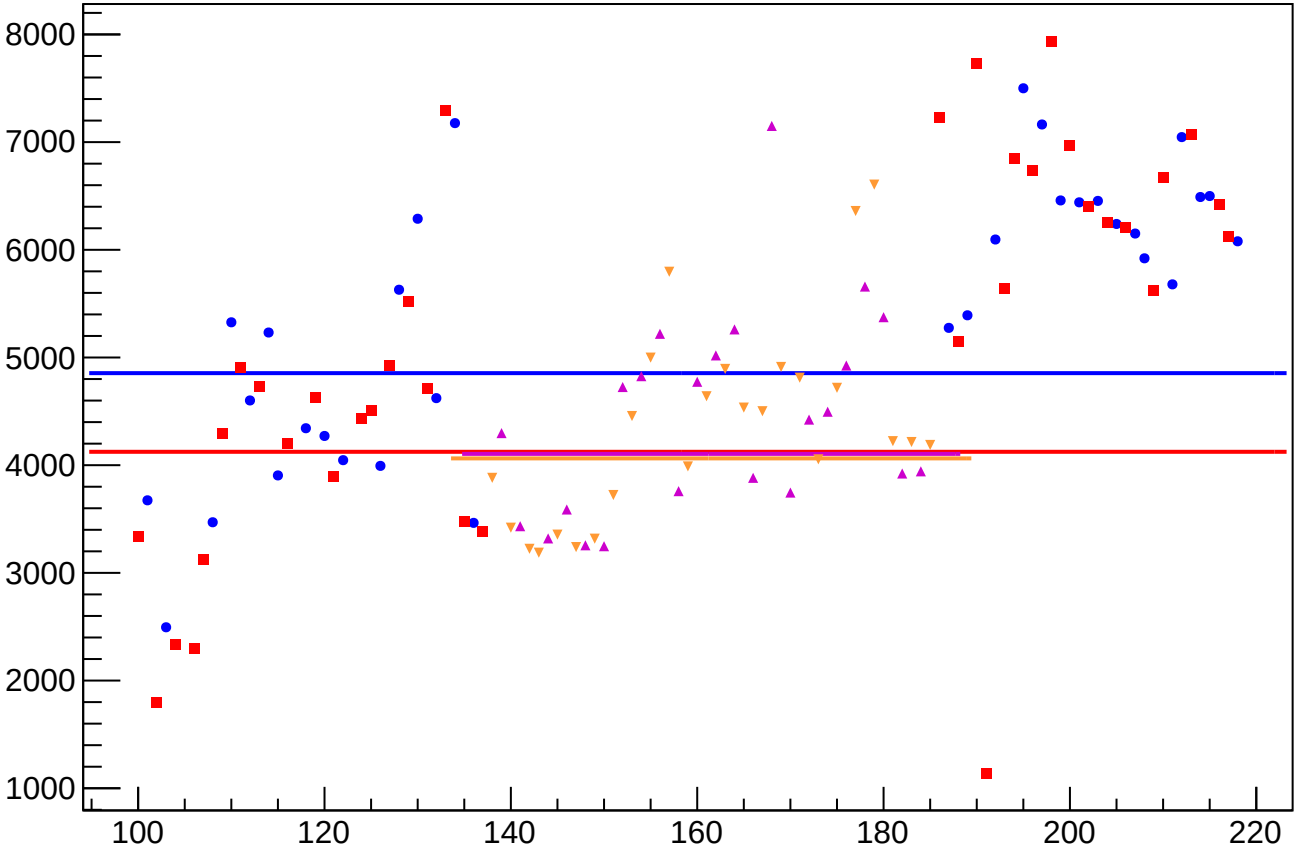
Left In: -75.764+/-980.243 χ^2/NDF:15.4/22

\+ sign -754.775+/-726.354 χ^2/NDF: 65.2/56

All: -709.299+/-506.096 χ^2/NDF: 115.6/115

\- sign -666.391+/-705.555 χ^2/NDF: 50.4/58

asym_atr_dd_reg_correction_rms vs Slug



Right In: 4854.743+/-0.801 χ^2/NDF: 3423306.4/31

Left Out: 4063.108+/-0.670 χ^2/NDF:1405036.2/24

Right Out: 4124.348+/-0.719 χ^2/NDF: 7305007.4/35

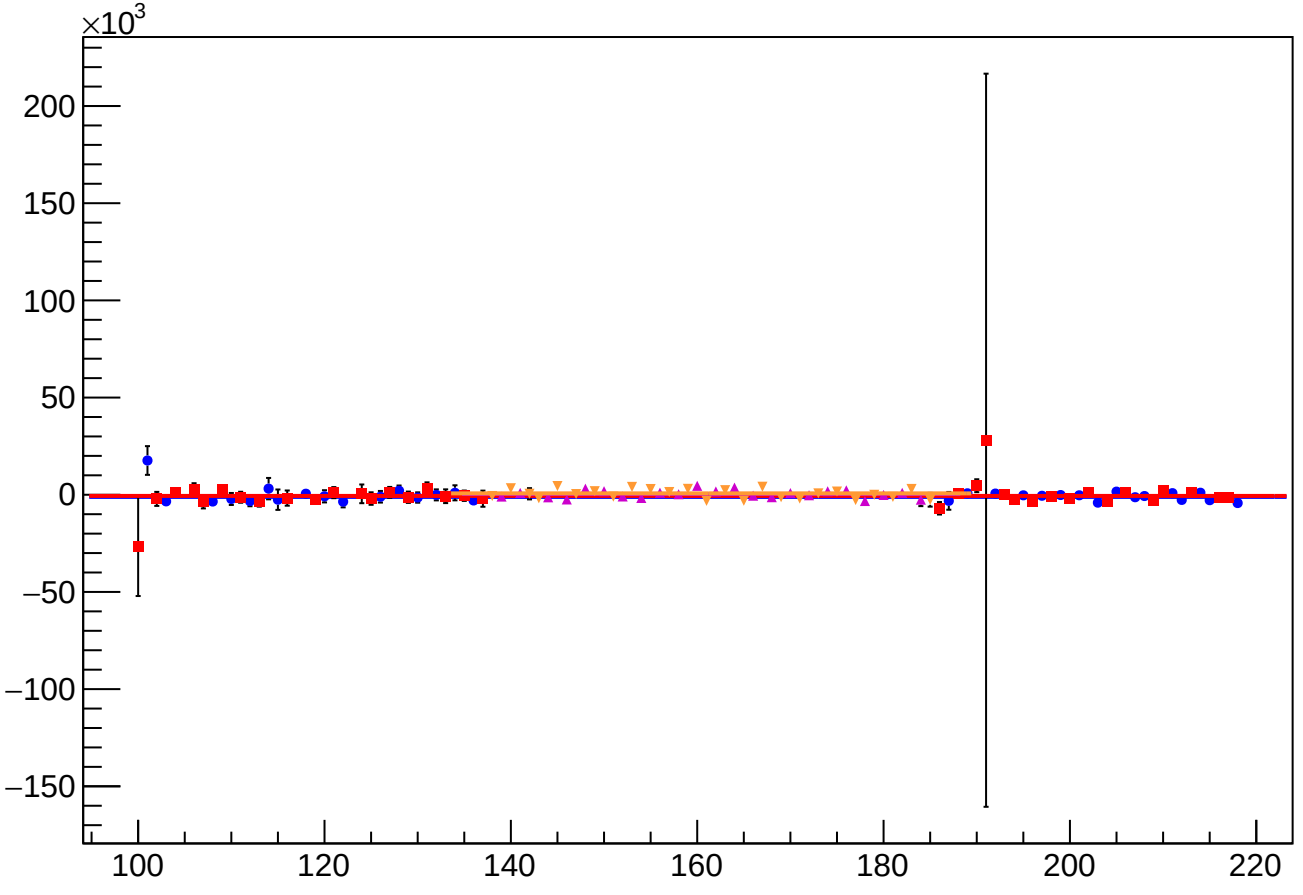
Left In: 4105.057+/-0.693 χ^2/NDF:1359493.1/22

+ sign 4388.895+/-0.514 χ^2/NDF: 5403665.0/56

All: 4247.638+/-0.358 χ^2/NDF: 14215550.9/1

- sign 4114.354+/-0.499 χ^2/NDF: 8664873.8/58

cor_asym_atr_dd_mean vs Slug



Right In: -1095.267+/-433.047 χ^2/NDF: 24.9/31

Left Out: 705.801+/-415.383 χ^2/NDF:31.9/24

Right Out: -600.452+/-430.878 χ^2/NDF: 26.9/35

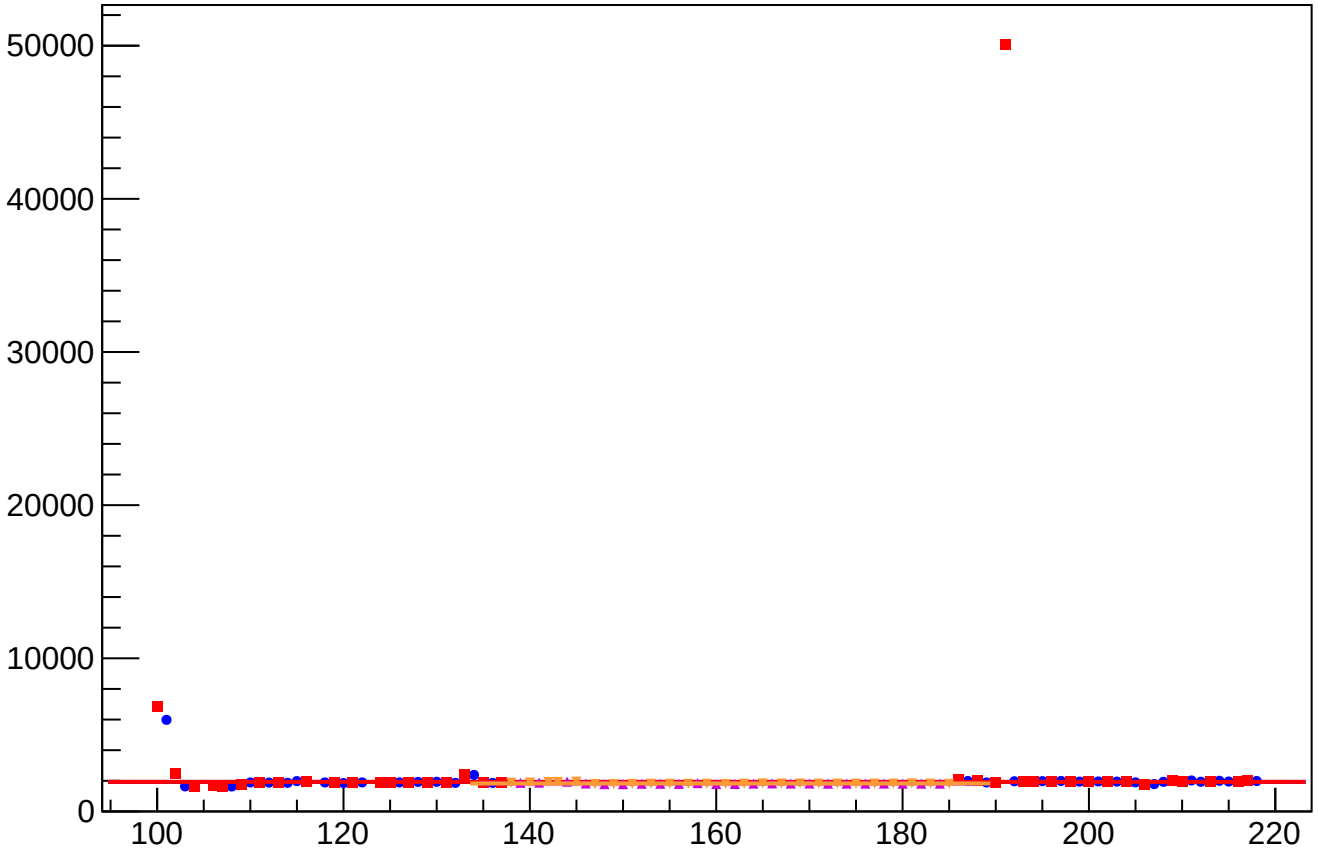
Left In: 402.981+/-426.215 χ^2/NDF:20.8/22

\+ sign -157.253+/-299.770 χ^2/NDF: 65.8/56

All: -125.609+/-213.107 χ^2/NDF: 116.2/115

\- sign -93.277+/-303.014 χ^2/NDF: 50.4/58

cor_asym_atr_dd_rms vs Slug



Right In: 1929.208+/-0.306 χ^2/NDF: 725608.2/31

Left Out: 1828.243+/-0.294 χ^2/NDF:19329.0/24

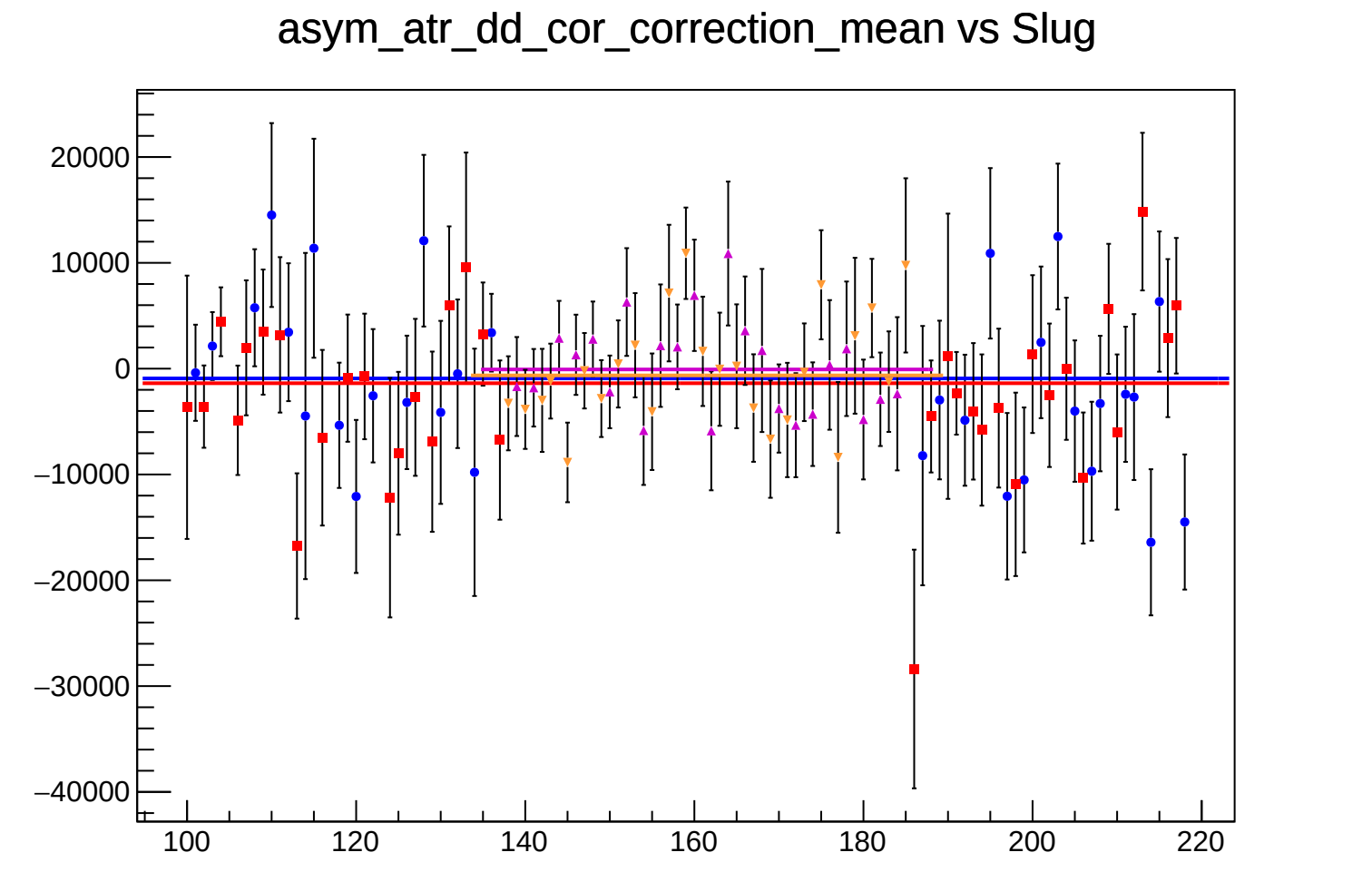
Right Out: 1930.751+/-0.304 χ^2/NDF: 401406.0/35

Left In: 1825.165+/-0.301 χ^2/NDF:13360.2/22

+ sign 1876.624+/-0.212 χ^2/NDF: 801558.7/56

All: 1877.015+/-0.151 χ^2/NDF: 1277070.7/11

- sign 1877.414+/-0.214 χ^2/NDF: 475505.1/58



Right In: -923.203+/-1132.332 χ^2/NDF: 39.2/31

Left Out: -637.720+/-946.866 χ^2/NDF:26.0/24

Right Out: -1377.534+/-1057.846 χ^2/NDF: 34.7/35

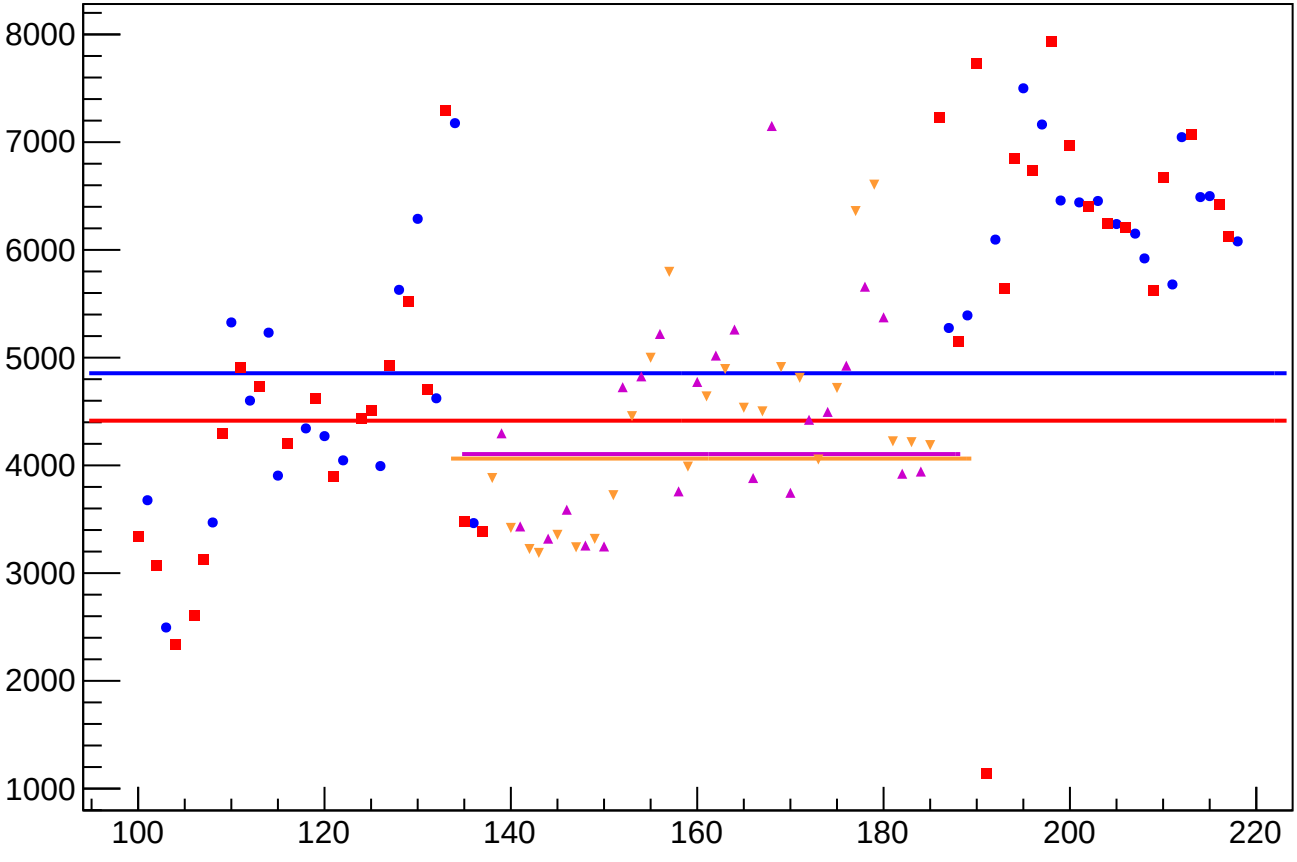
Left In: -75.789+/-980.241 χ^2/NDF:15.4/22

+ sign -755.197+/-726.374 χ^2/NDF: 65.2/56

All: -715.784+/-510.999 χ^2/NDF: 116.2/115

- sign -677.166+/-719.007 χ^2/NDF: 51.0/58

asym_atr_dd_cor_correction_rms vs Slug



Right In: 4855.190+/-0.801 χ^2/NDF: 3421630.8/31

Left Out: 4063.106+/-0.670 χ^2/NDF:1405030.5/24

Right Out: 4414.929+/-0.748 χ^2/NDF: 5776699.5/35

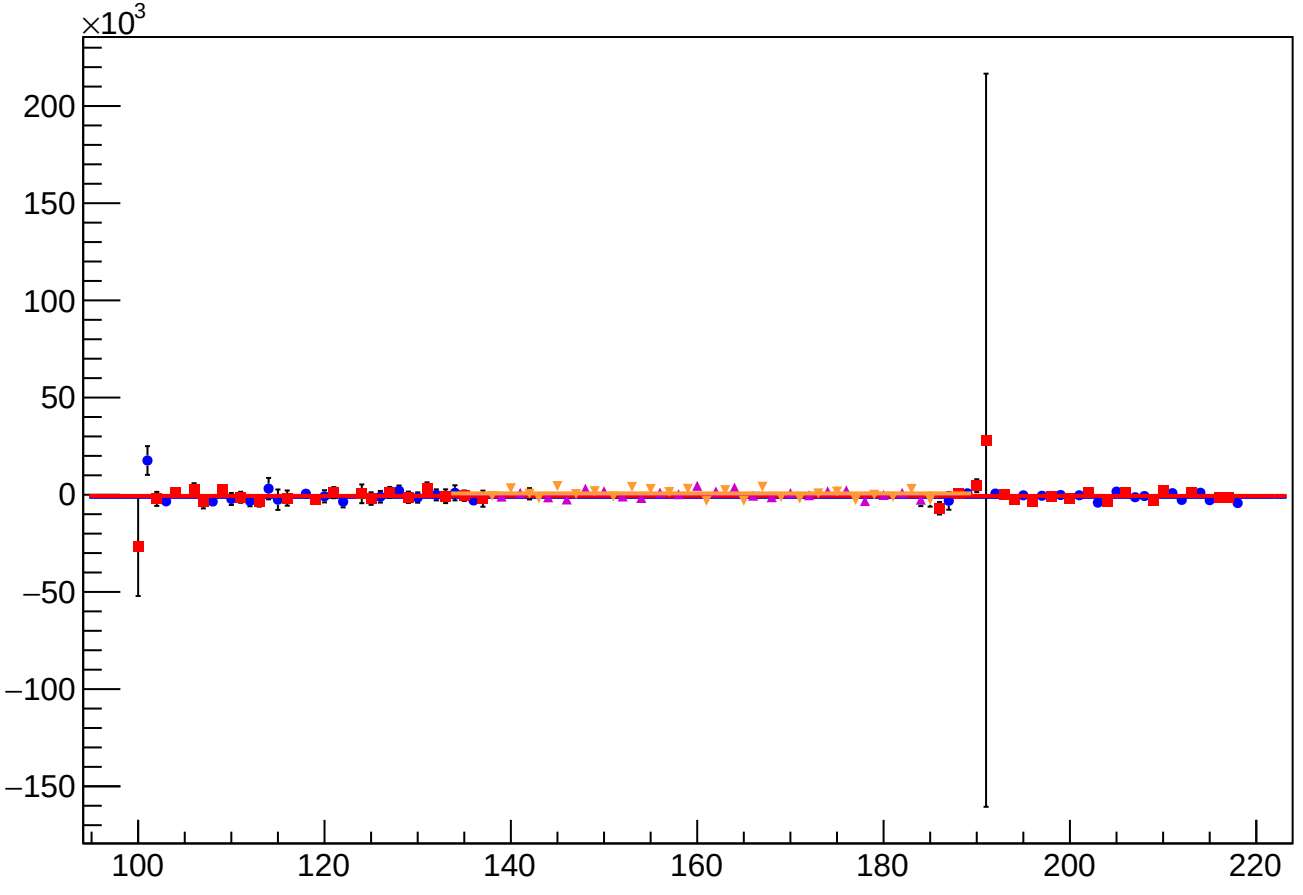
Left In: 4105.050+/-0.693 χ^2/NDF:1359501.9/22

+ sign 4389.051+/-0.514 χ^2/NDF: 5402591.6/56

All: 4317.911+/-0.361 χ^2/NDF: 12669109.4/1

- sign 4248.207+/-0.508 χ^2/NDF: 7228537.2/58

eigen_cor_asym_atr_dd_mean vs Slug



Right In: -1095.267+/-433.047 χ^2/NDF: 24.9/31

Left Out: 705.801+/-415.383 χ^2/NDF:31.9/24

Right Out: -600.452+/-430.878 χ^2/NDF: 26.9/35

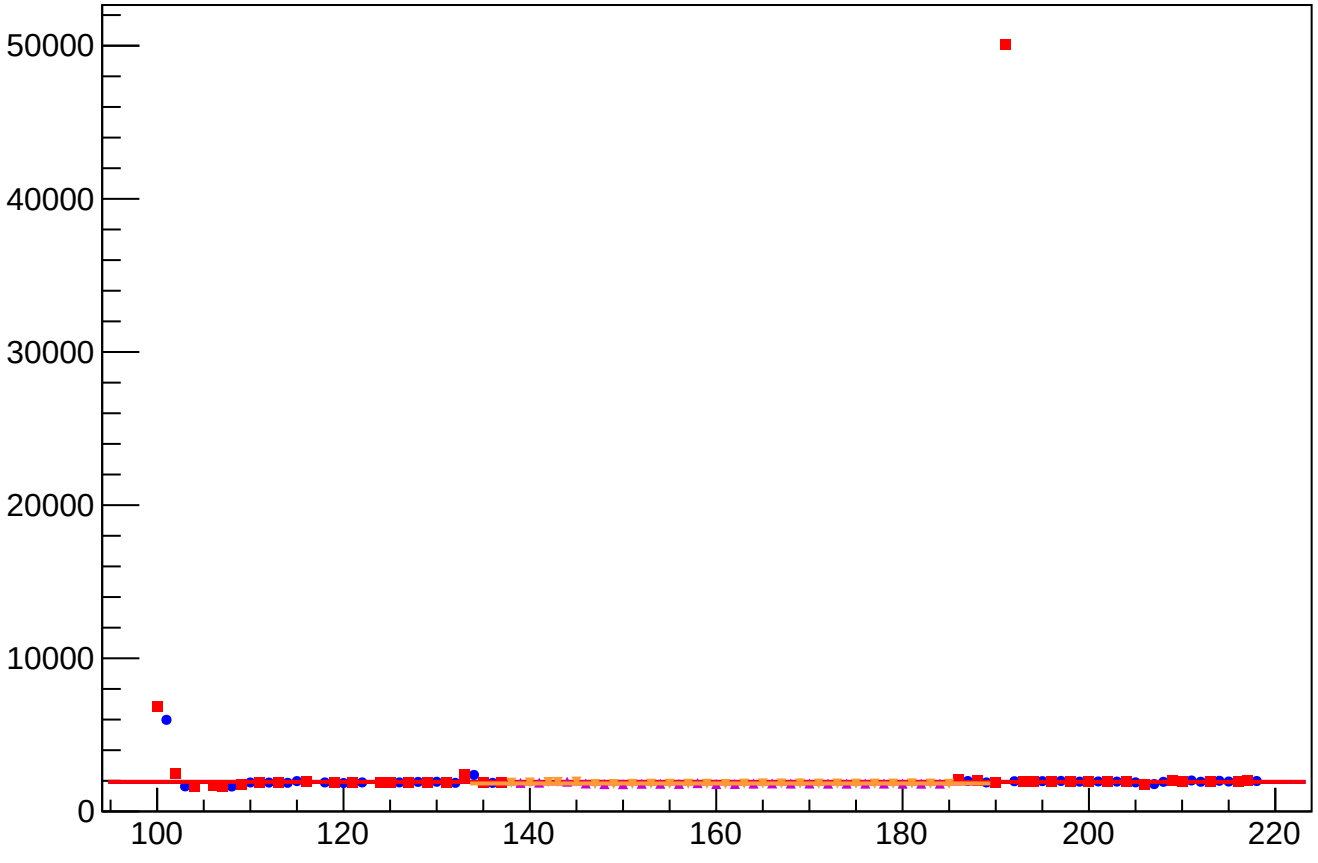
Left In: 402.981+/-426.215 χ^2/NDF:20.8/22

+ sign -157.253+/-299.770 χ^2/NDF: 65.8/56

All: -125.609+/-213.107 χ^2/NDF: 116.2/115

- sign -93.277+/-303.014 χ^2/NDF: 50.4/58

eigen_cor_asym_atr_dd_rms vs Slug



Right In: 1929.208+/-0.306 χ^2/NDF: 725608.2/31

Left Out: 1828.243+/-0.294 χ^2/NDF:19329.0/24

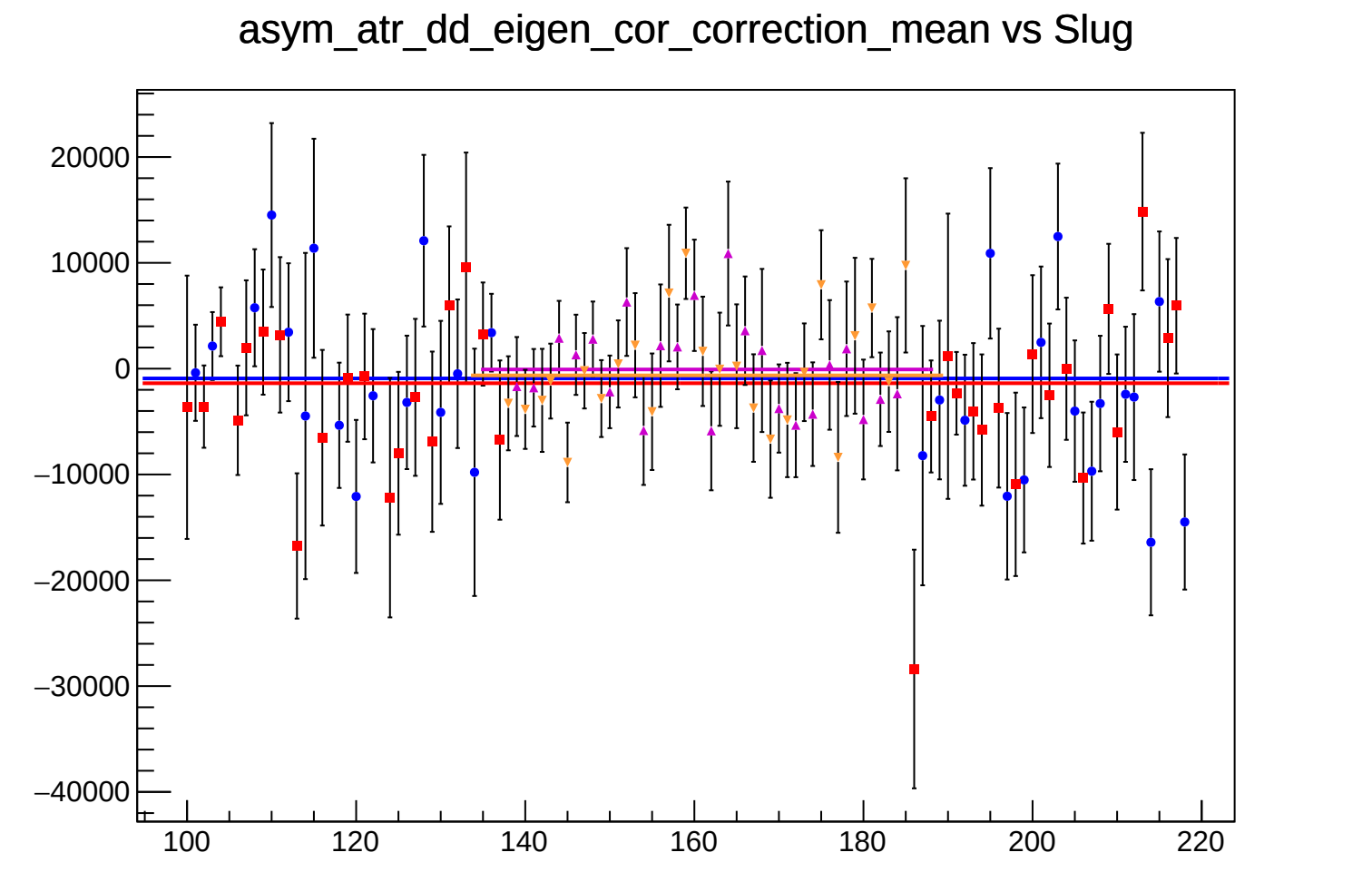
Right Out: 1930.751+/-0.304 χ^2/NDF: 401406.0/35

Left In: 1825.165+/-0.301 χ^2/NDF:13360.2/22

+ sign 1876.624+/-0.212 χ^2/NDF: 801558.7/56

All: 1877.015+/-0.151 χ^2/NDF: 1277070.7/11

- sign 1877.414+/-0.214 χ^2/NDF: 475505.1/58



Right In: -923.203+/-1132.332 χ^2/NDF: 39.2/31

Left Out: -637.720+/-946.866 χ^2/NDF:26.0/24

Right Out: -1377.534+/-1057.846 χ^2/NDF: 34.7/35

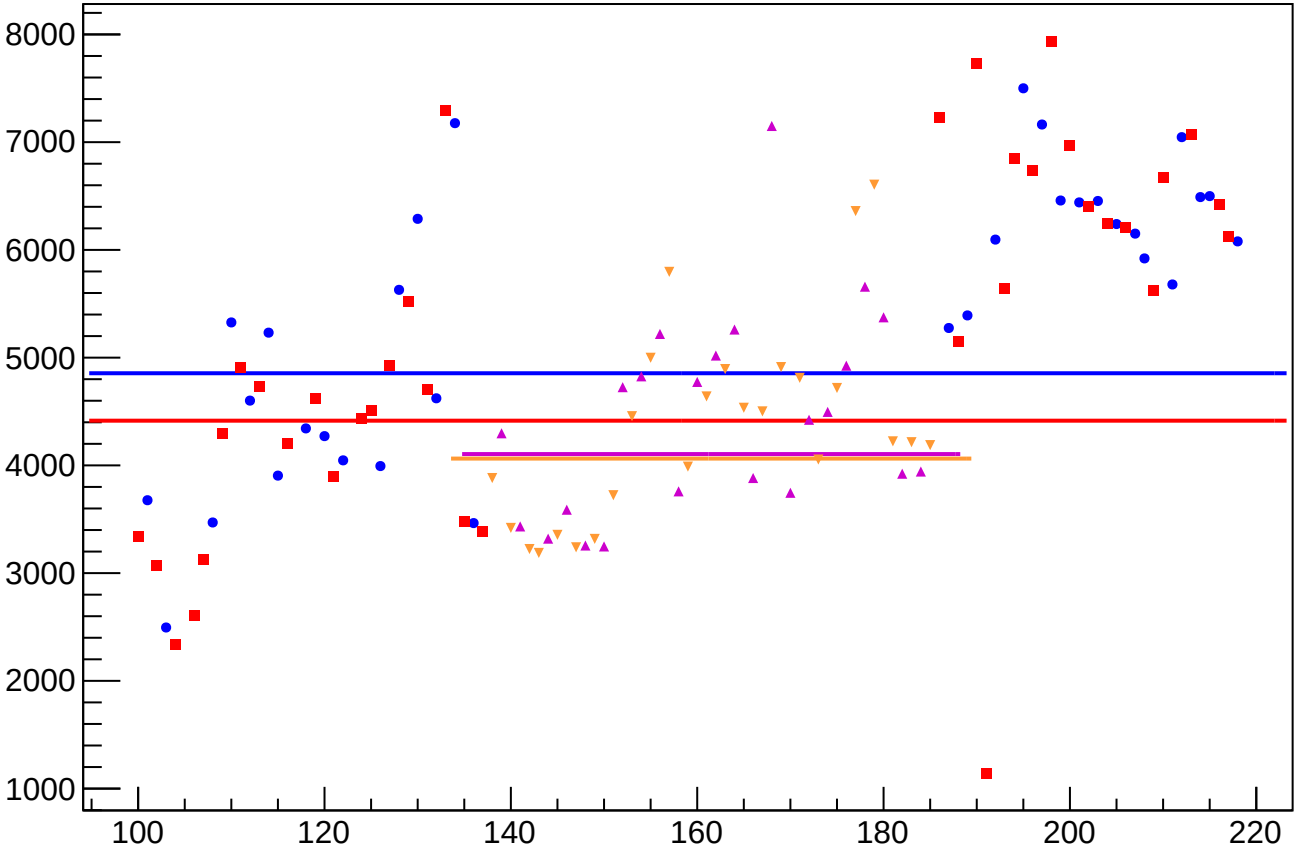
Left In: -75.789+/-980.241 χ^2/NDF:15.4/22

+ sign -755.197+/-726.374 χ^2/NDF: 65.2/56

All: -715.784+/-510.999 χ^2/NDF: 116.2/115

- sign -677.166+/-719.007 χ^2/NDF: 51.0/58

asym_atr_dd_eigen_cor_correction_rms vs Slug



Right In: 4855.190+/-0.801 χ^2/NDF: 3421630.8/31

Left Out: 4063.106+/-0.670 χ^2/NDF:1405030.5/24

Right Out: 4414.929+/-0.748 χ^2/NDF: 5776699.5/35

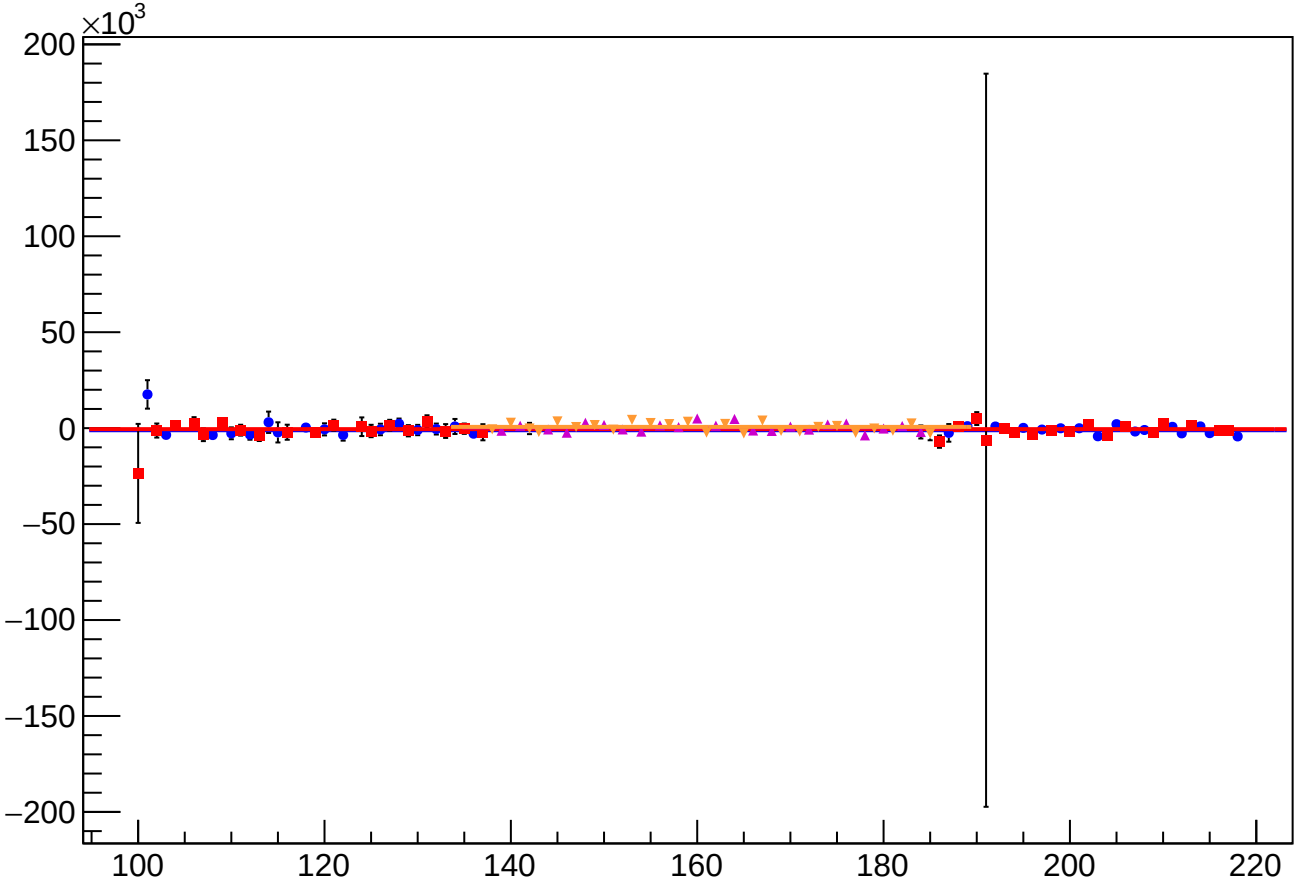
Left In: 4105.050+/-0.693 χ^2/NDF:1359501.9/22

+ sign 4389.051+/-0.514 χ^2/NDF: 5402591.6/56

All: 4317.911+/-0.361 χ^2/NDF: 12669109.4/1

- sign 4248.207+/-0.508 χ^2/NDF: 7228537.2/58

dit_asym_atr_dd_mean vs Slug



Right In: -1087.152+/-436.272 χ^2/NDF: 26.1/31

Left Out: 657.616+/-423.063 χ^2/NDF:27.0/24

Right Out: -517.892+/-434.519 χ^2/NDF: 29.0/35

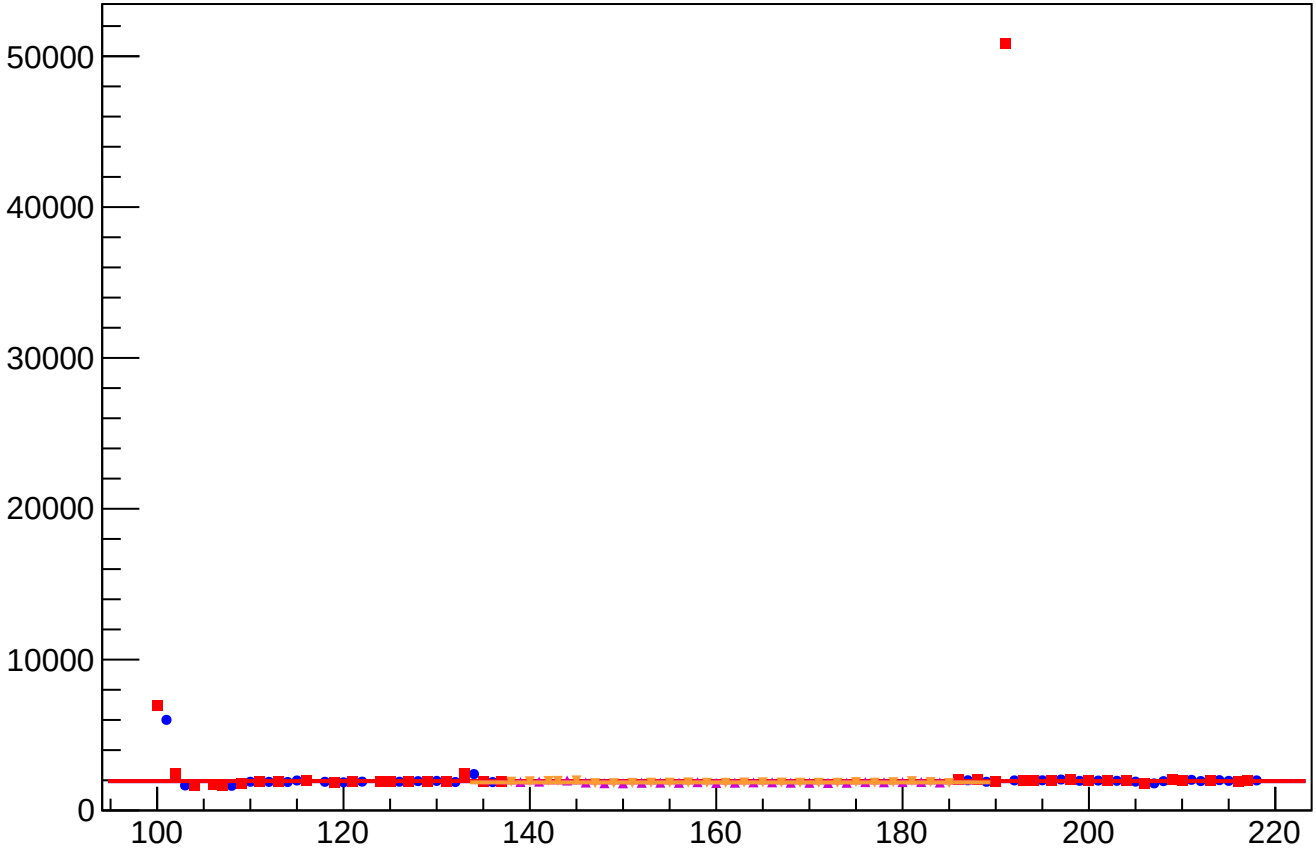
Left In: 410.869+/-433.856 χ^2/NDF:23.6/22

\+ sign -187.955+/-303.713 χ^2/NDF: 61.4/56

All: -121.110+/-215.916 χ^2/NDF: 116.4/115

\- sign -52.803+/-307.017 χ^2/NDF: 55.0/58

dit_asym_atr_dd_rms vs Slug



Right In: 1943.464+/-0.308 χ^2/NDF: 727571.5/31

Left Out: 1861.731+/-0.299 χ^2/NDF:26014.9/24

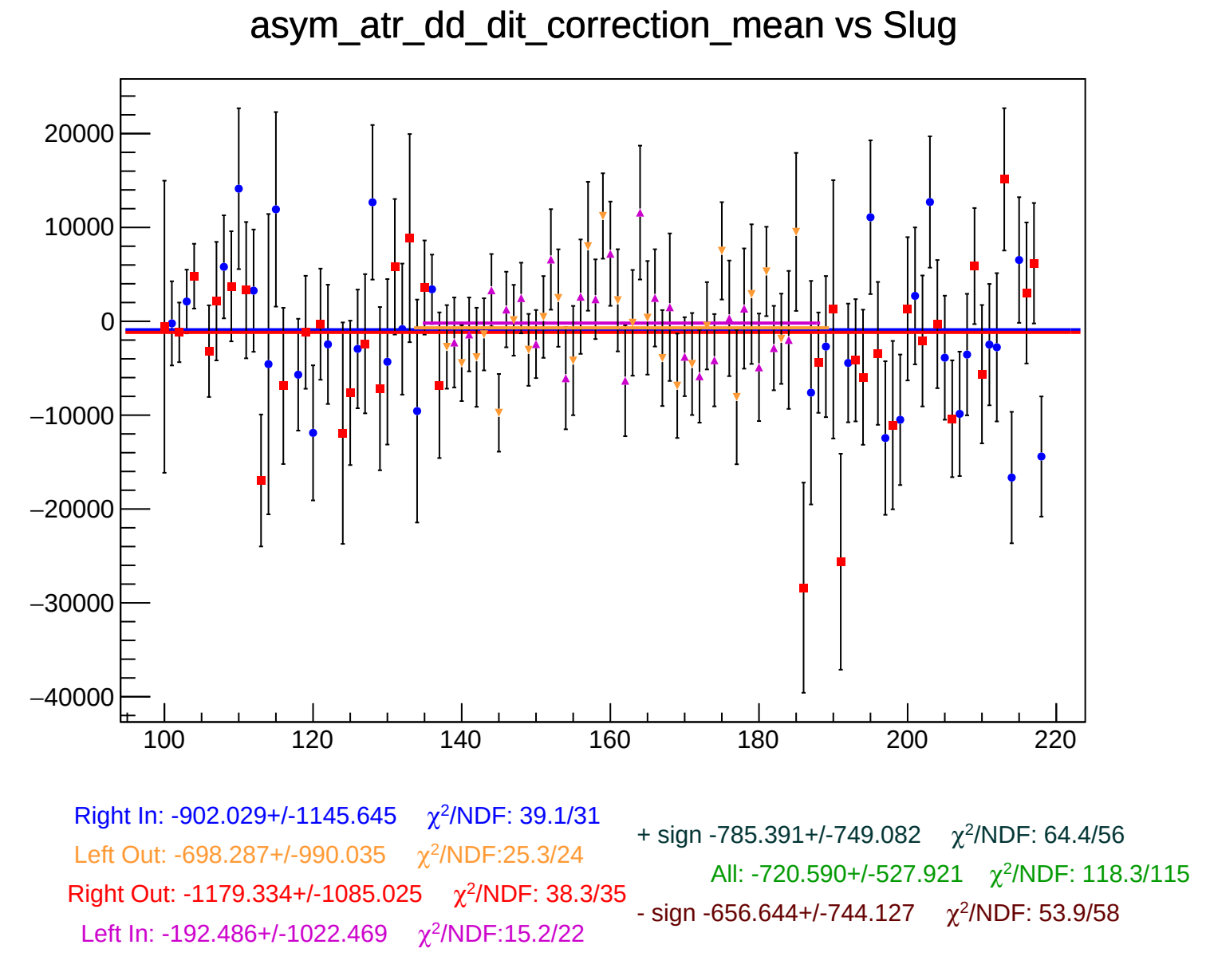
Right Out: 1946.624+/-0.307 χ^2/NDF: 409172.7/35

Left In: 1857.661+/-0.307 χ^2/NDF:16381.0/22

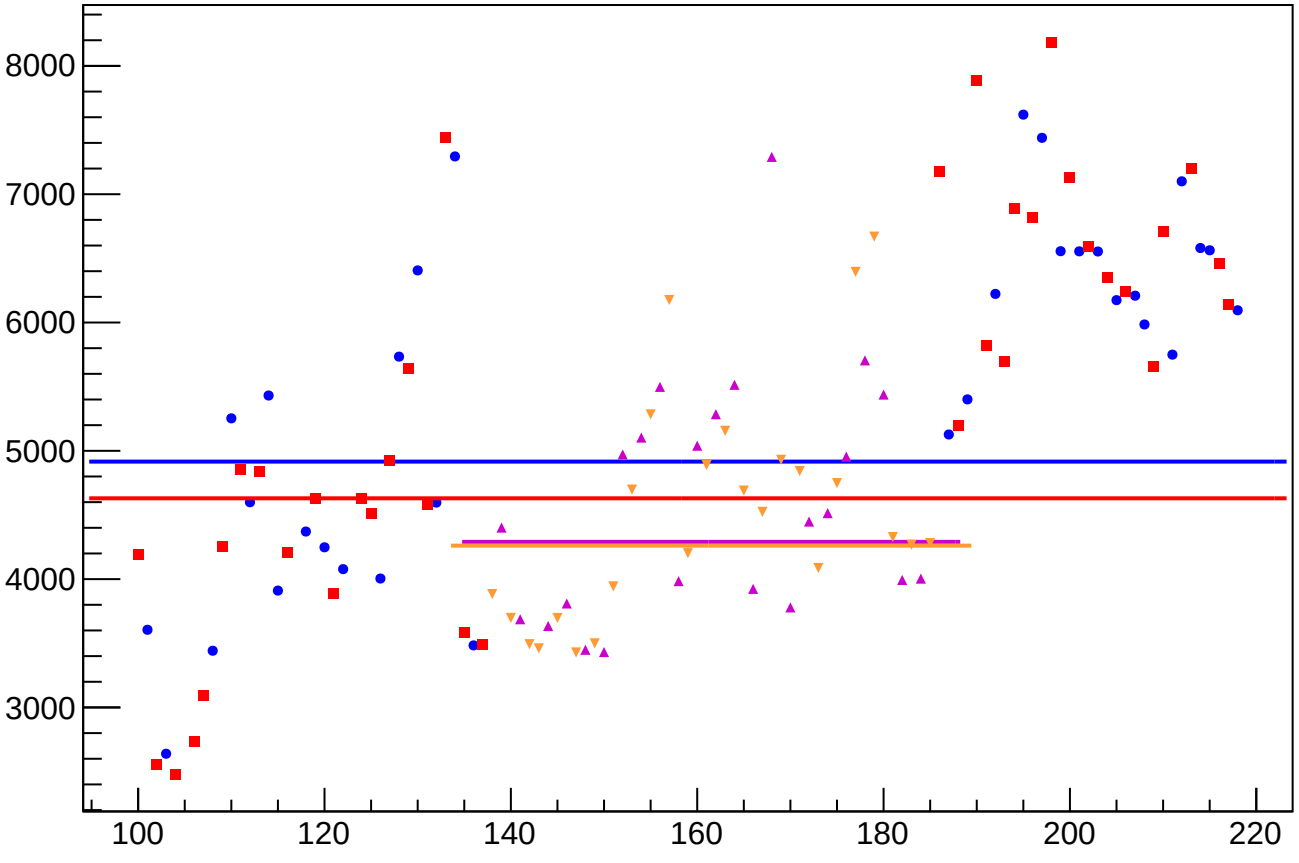
+ sign 1901.341+/-0.215 χ^2/NDF: 789763.4/56

All: 1901.713+/-0.153 χ^2/NDF: 1257322.4/11

- sign 1902.092+/-0.217 χ^2/NDF: 467553.0/58


asym_atr_dd_dit_correction_mean vs Slug
20000
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
220
Right In: -902.029+/-1145.645 χ²/NDF: 39.1/31
Left Out: -698.287+/-990.035 χ²/NDF:25.3/24
Right Out: -1179.334+/-1085.025 χ²/NDF: 38.3/35
Left In: -192.486+/-1022.469 χ²/NDF:15.2/22
+ sign -785.391+/-749.082 χ²/NDF: 64.4/56
All: -720.590+/-527.921 χ²/NDF: 118.3/115
- sign -656.644+/-744.127 χ²/NDF: 53.9/58

asym_atr_dd_dit_correction_rms vs Slug



Right In: 4915.998+/-0.810 χ^2/NDF: 3331429.2/31

Left Out: 4261.124+/-0.700 χ^2/NDF:1190561.4/24

Right Out: 4629.922+/-0.767 χ^2/NDF: 4688134.9/35

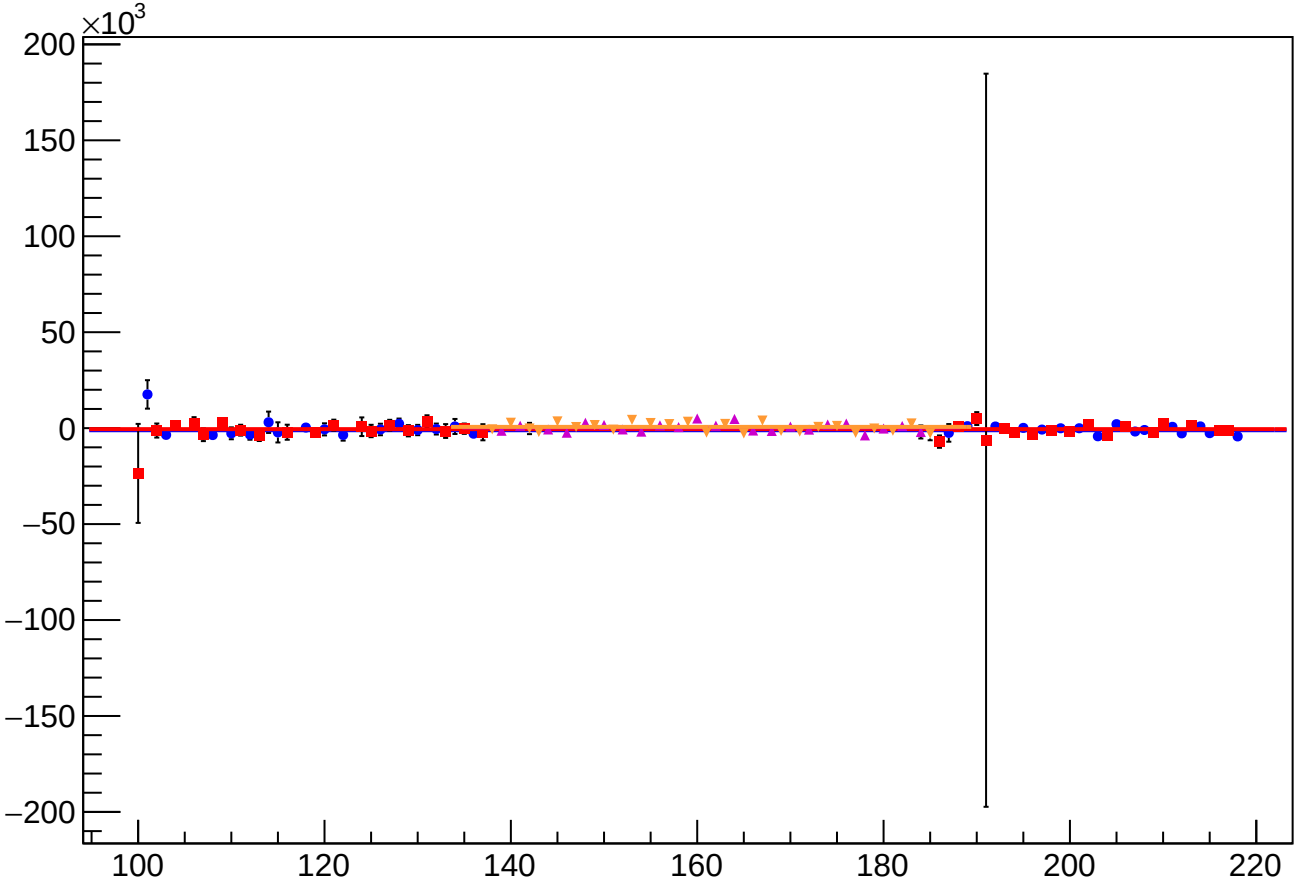
Left In: 4290.398+/-0.723 χ^2/NDF:1213964.7/22

\+ sign 4541.097+/-0.530 χ^2/NDF: 4896104.7/56

All: 4495.292+/-0.373 χ^2/NDF: 10916787.6/1

\- sign 4450.091+/-0.526 χ^2/NDF: 6005824.9/58

eigen_dit_asym_atr_dd_mean vs Slug



Right In: -1087.146+/-436.272 χ^2/NDF: 26.1/31

Left Out: 657.622+/-423.063 χ^2/NDF:27.0/24

Right Out: -517.888+/-434.519 χ^2/NDF: 29.0/35

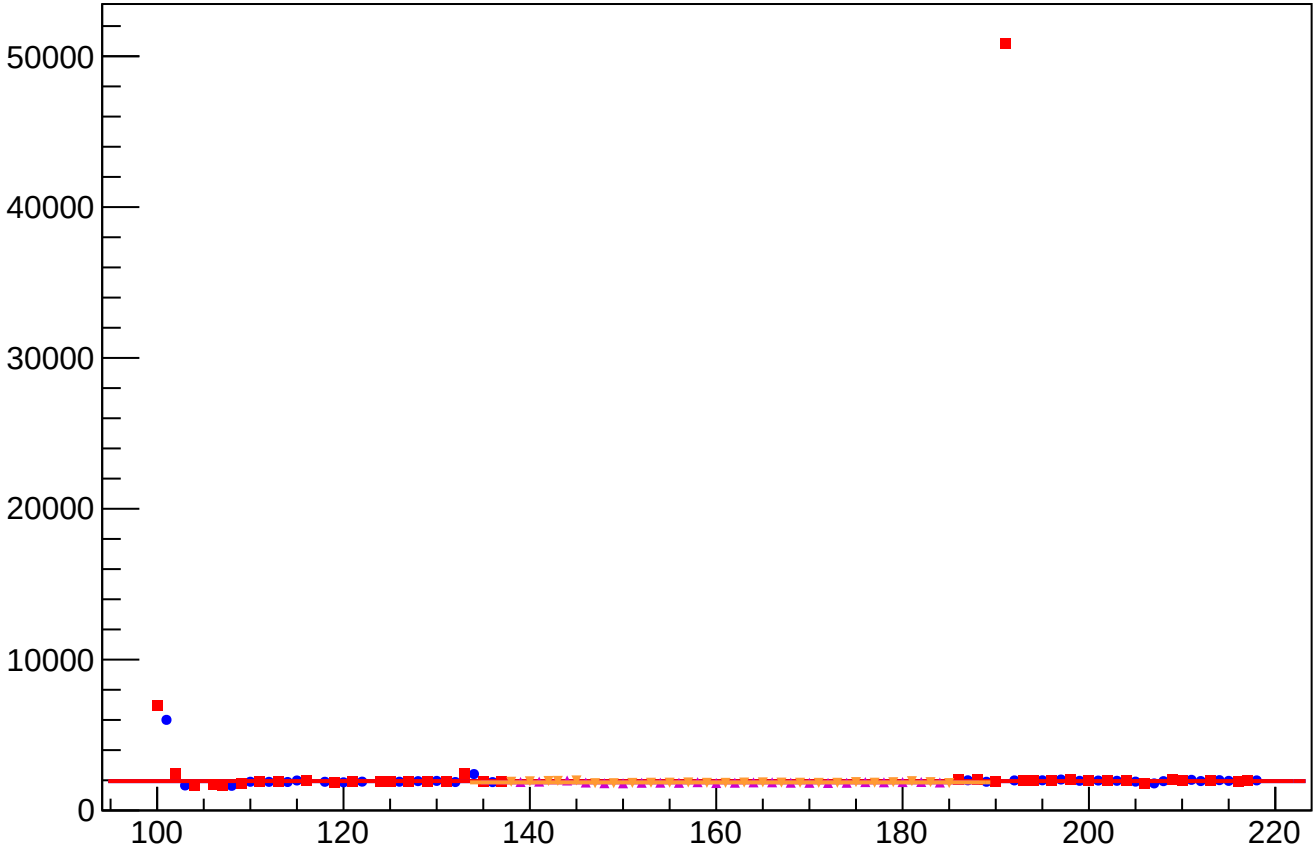
Left In: 410.869+/-433.856 χ^2/NDF:23.6/22

\+ sign -187.950+/-303.713 χ^2/NDF: 61.4/56

All: -121.106+/-215.916 χ^2/NDF: 116.4/115

\- sign -52.801+/-307.017 χ^2/NDF: 55.0/58

eigen_dit_asym_atr_dd_rms vs Slug



Right In: 1943.464+/-0.308 χ^2/NDF: 727571.4/31

Left Out: 1861.731+/-0.299 χ^2/NDF:26014.9/24

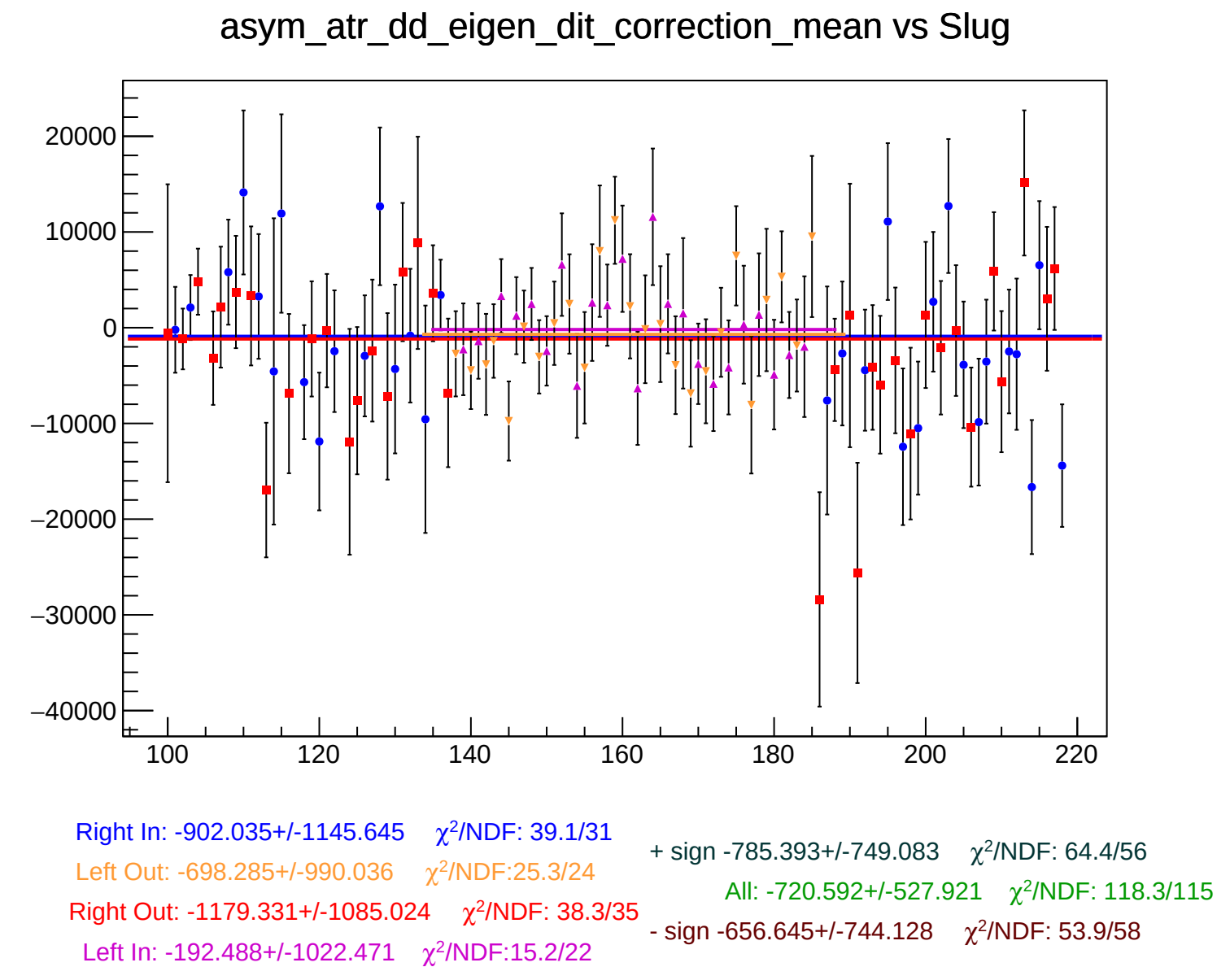
Right Out: 1946.624+/-0.307 χ^2/NDF: 409172.9/35

Left In: 1857.661+/-0.307 χ^2/NDF:16380.9/22

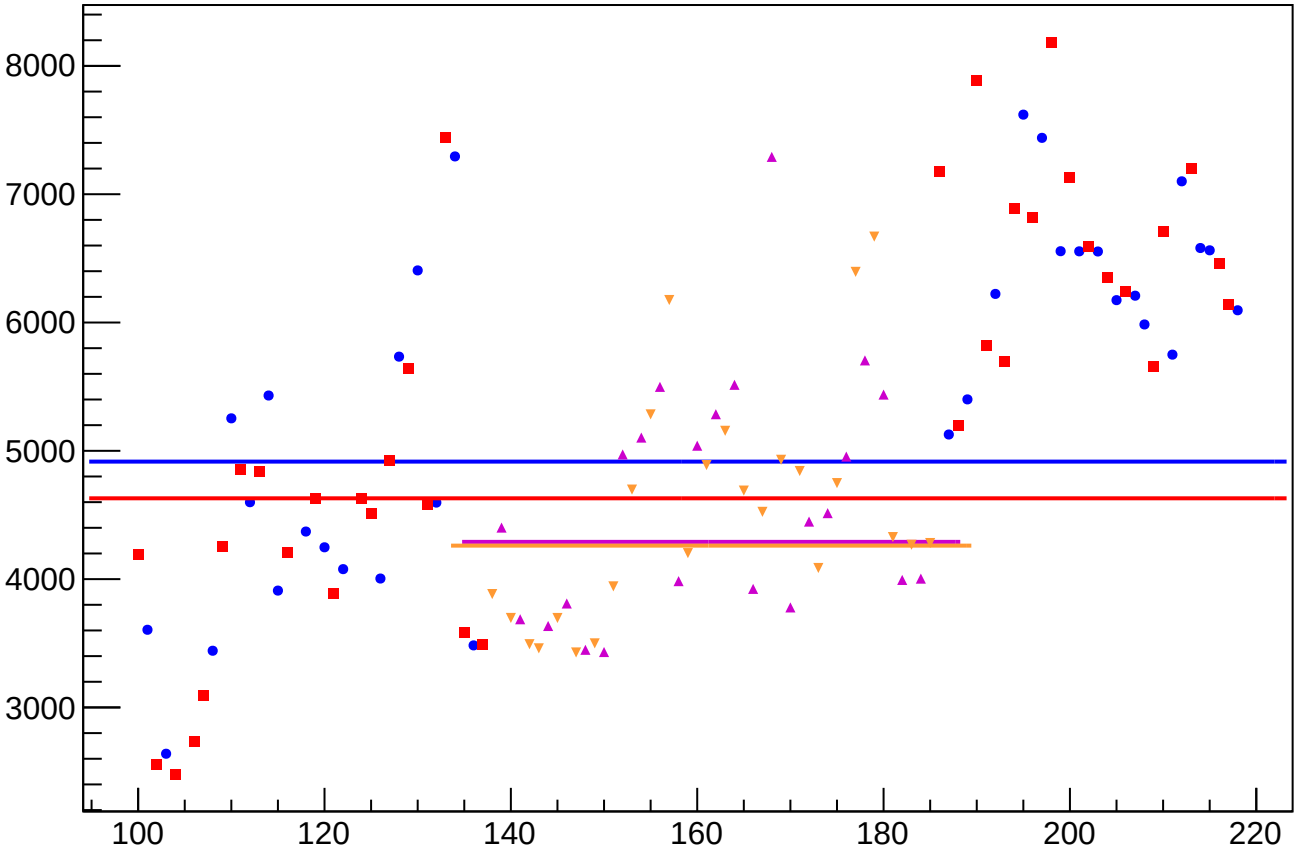
+ sign 1901.342+/-0.215 χ^2/NDF: 789762.7/56

All: 1901.713+/-0.153 χ^2/NDF: 1257321.4/11

- sign 1902.093+/-0.217 χ^2/NDF: 467552.6/58


asym_atr_dd_eigen_dit_correction_mean vs Slug
20000
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
220
Right In: -902.035+/-1145.645 χ²/NDF: 39.1/31
Left Out: -698.285+/-990.036 χ²/NDF:25.3/24
Right Out: -1179.331+/-1085.024 χ²/NDF: 38.3/35
Left In: -192.488+/-1022.471 χ²/NDF:15.2/22
+ sign -785.393+/-749.083 χ²/NDF: 64.4/56
All: -720.592+/-527.921 χ²/NDF: 118.3/115
- sign -656.645+/-744.128 χ²/NDF: 53.9/58

asym_atr_dd_eigen_dit_correction_rms vs Slug



Right In: 4915.997+/-0.810 χ^2/NDF: 3331437.8/31

Left Out: 4261.131+/-0.700 χ^2/NDF:1190564.2/24

Right Out: 4629.919+/-0.767 χ^2/NDF: 4688145.3/35

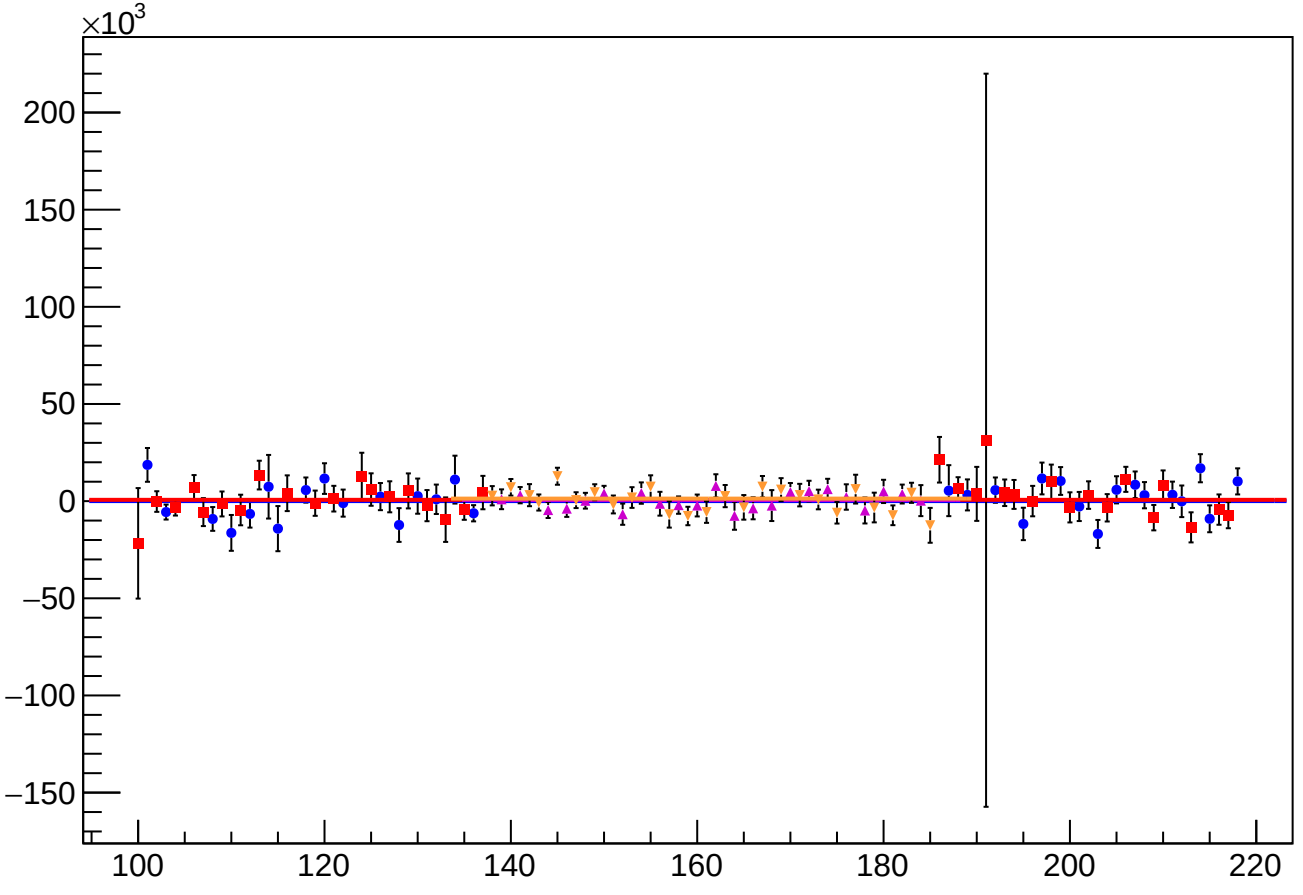
Left In: 4290.404+/-0.723 χ^2/NDF:1213970.5/22

+ sign 4541.102+/-0.530 χ^2/NDF: 4896106.8/56

All: 4495.296+/-0.373 χ^2/NDF: 10916801.1/1

- sign 4450.094+/-0.526 χ^2/NDF: 6005835.9/58

asym_atr_dd_mean vs Slug



Right In: 27.182+/-1257.787 χ^2/NDF: 47.9/31

Left Out: 1298.373+/-1049.555 χ^2/NDF:28.5/24

Right Out: 671.955+/-1223.981 χ^2/NDF: 27.9/35

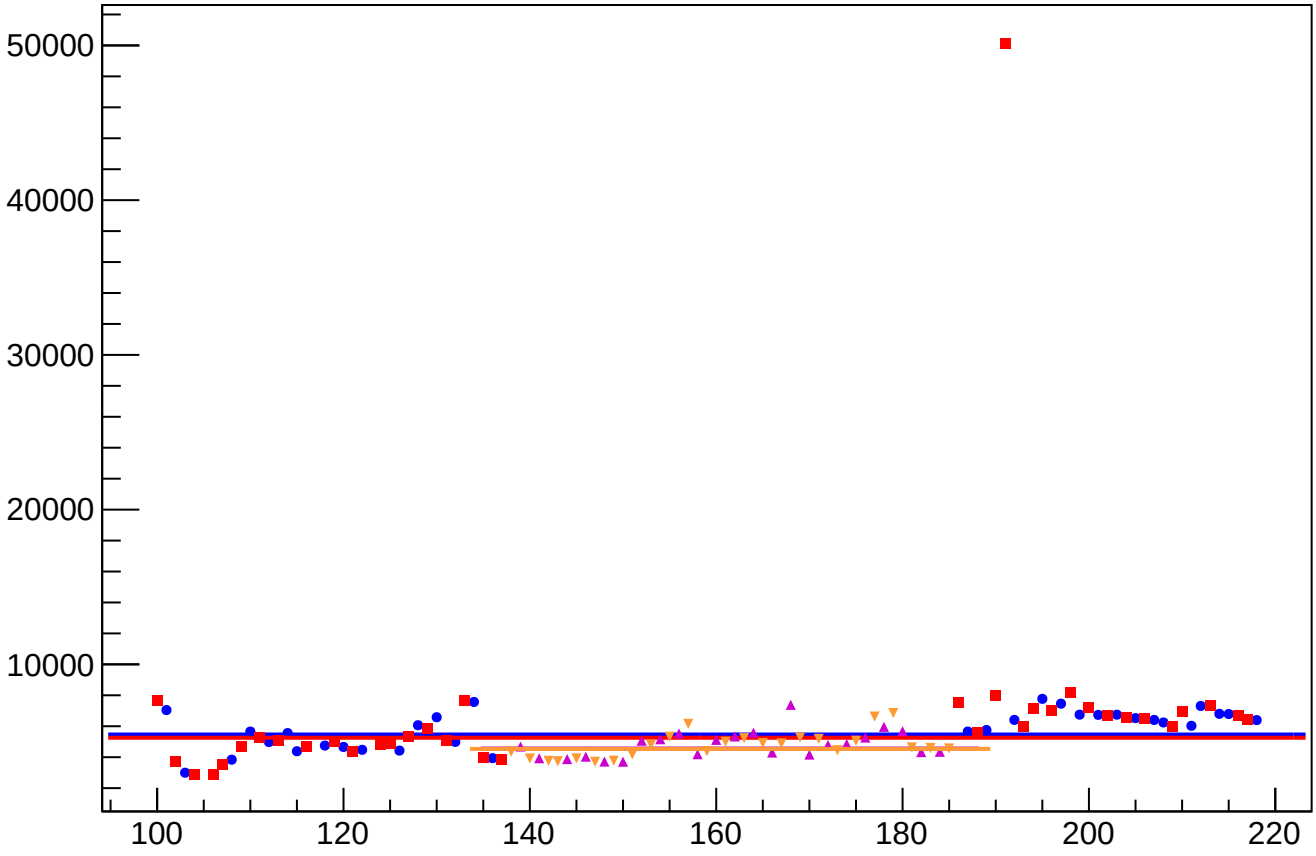
Left In: 576.442+/-1082.127 χ^2/NDF:14.4/22

+ sign 776.572+/-805.849 χ^2/NDF: 76.9/56

All: 697.935+/-571.534 χ^2/NDF: 119.3/115

- sign 618.345+/-810.715 χ^2/NDF: 42.3/58

asym_atr_dd_rms vs Slug



Right In: 5465.849+/-0.889 χ^2/NDF: 2468312.4/31

Left Out: 4537.934+/-0.742 χ^2/NDF:992905.4/24

Right Out: 5256.181+/-0.861 χ^2/NDF: 3201697.2/35

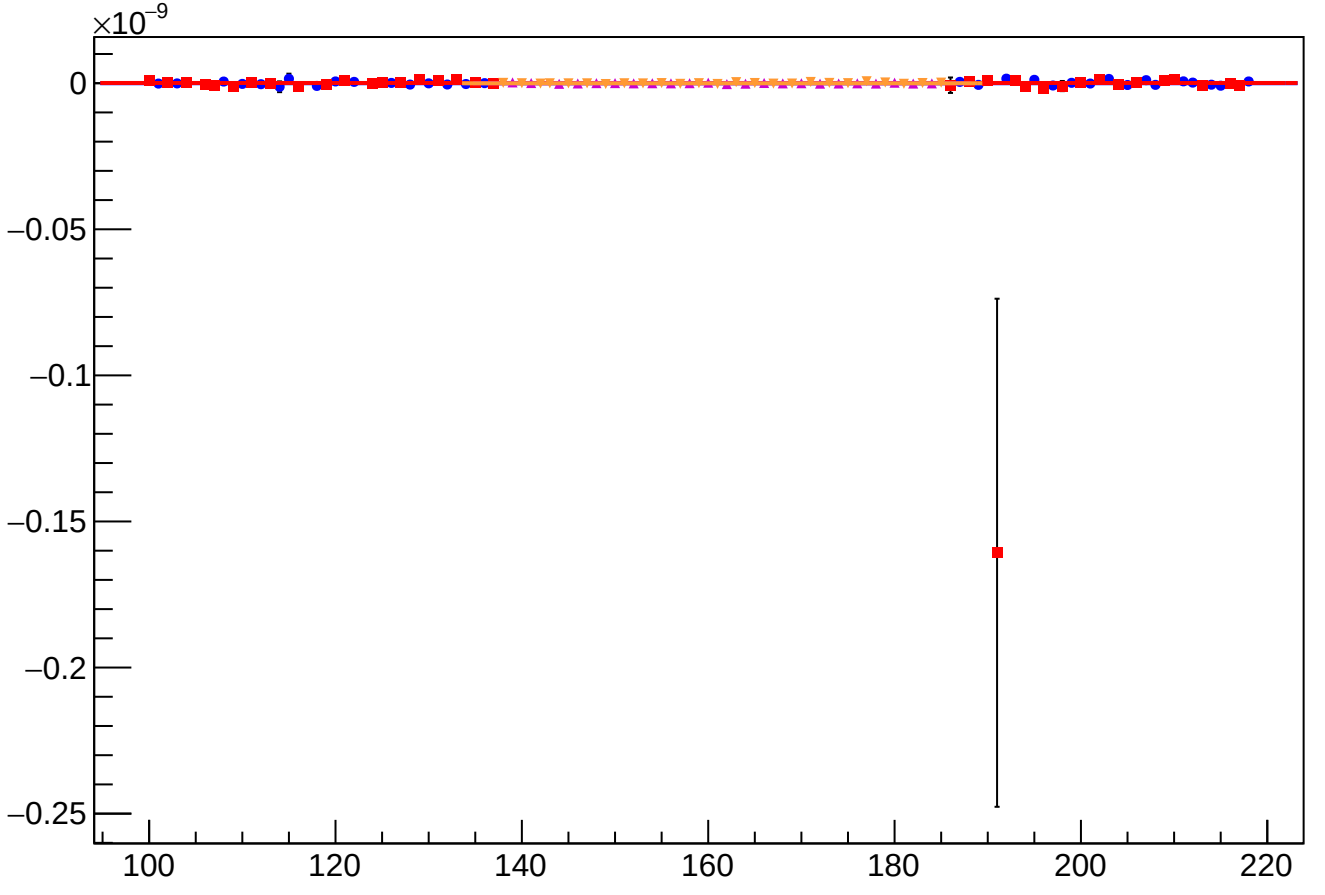
Left In: 4560.506+/-0.765 χ^2/NDF:980201.3/22

+ sign 4918.826+/-0.570 χ^2/NDF: 4102913.5/56

All: 4893.173+/-0.404 χ^2/NDF: 8653425.1/11

- sign 4867.316+/-0.572 χ^2/NDF: 4546442.1/58

asym_atr_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 28.7/31

Left Out: -0.000+/-0.000 χ^2/NDF:37.9/24

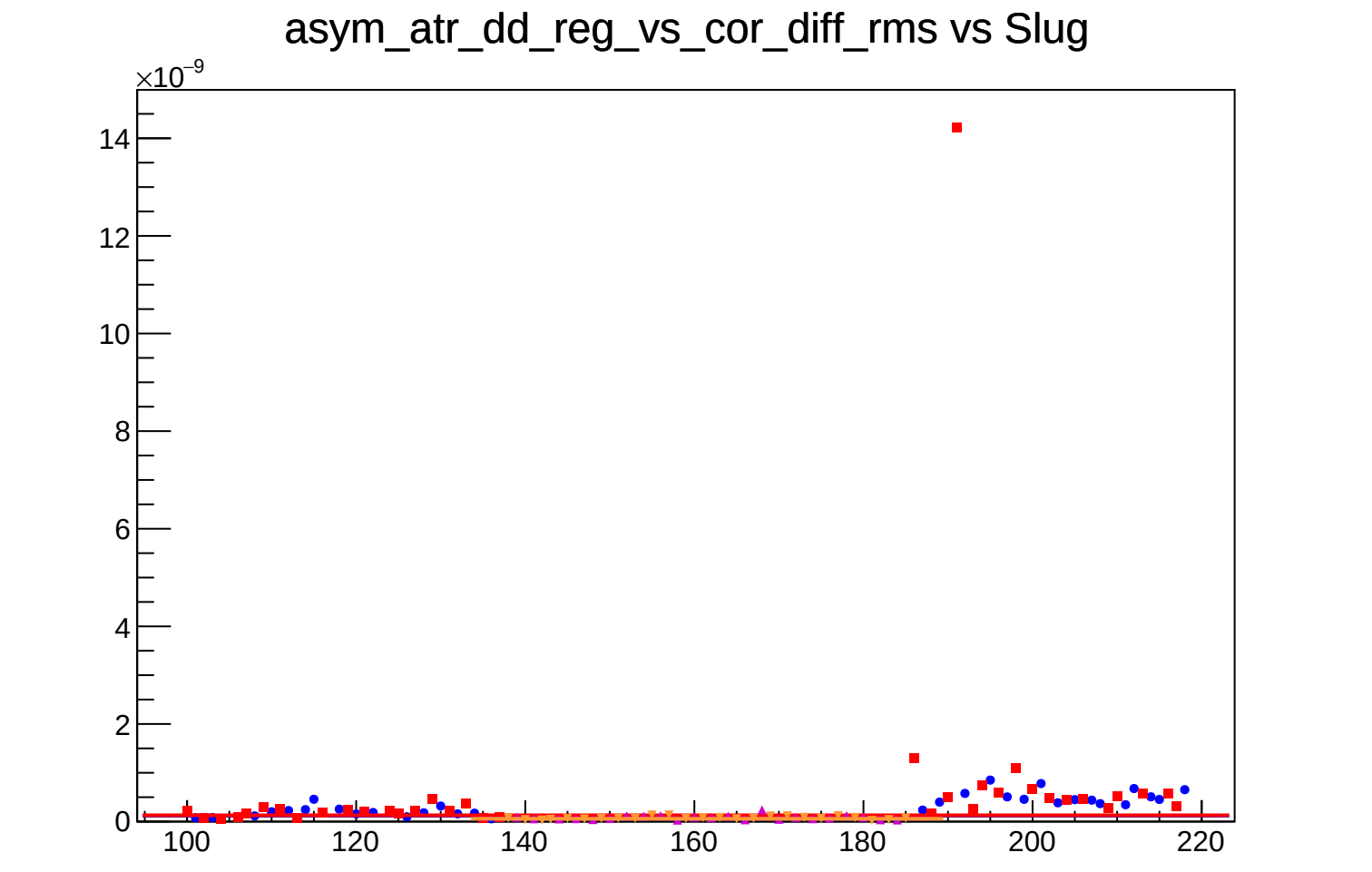
Right Out: 0.000+/-0.000 χ^2/NDF: 45.1/35

Left In: -0.000+/-0.000 χ^2/NDF:20.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 66.8/56

All: -0.000+/-0.000 χ^2/NDF: 135.2/115

- sign -0.000+/-0.000 χ^2/NDF: 67.7/58



Right In: 0.000+/-0.000 χ^2/NDF: 8242825.3/31

Left Out: 0.000+/-0.000 χ^2/NDF:1934390.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7942447.4/35

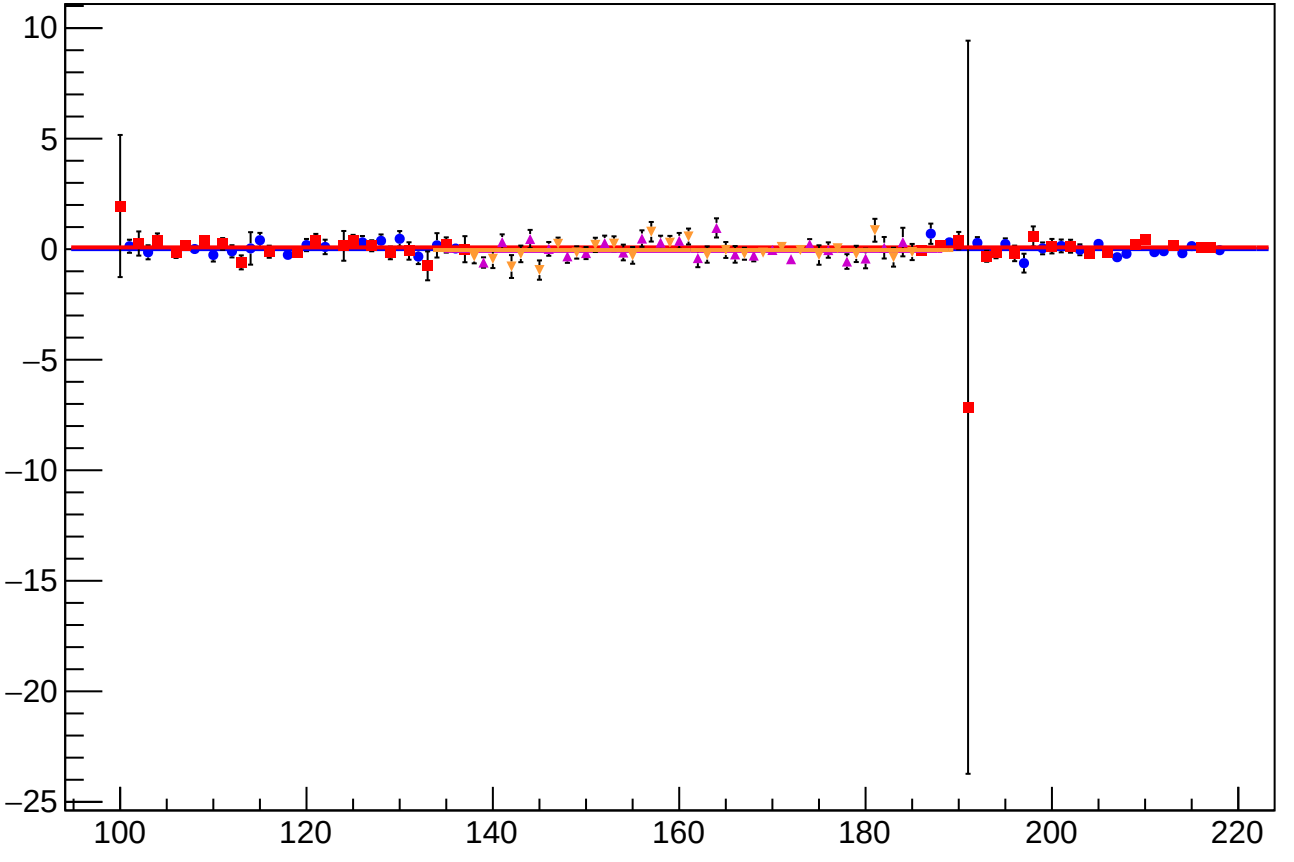
Left In: 0.000+/-0.000 χ^2/NDF:2104577.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 12128518.2/56

All: 0.000+/-0.000 χ^2/NDF: 24272311.7/115

- sign 0.000+/-0.000 χ^2/NDF: 12140617.0/58

asym_atr_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.002+/-0.041 χ^2/NDF: 30.7/31

Left Out: -0.038+/-0.062 χ^2/NDF:24.4/24

Right Out: 0.082+/-0.040 χ^2/NDF: 33.3/35

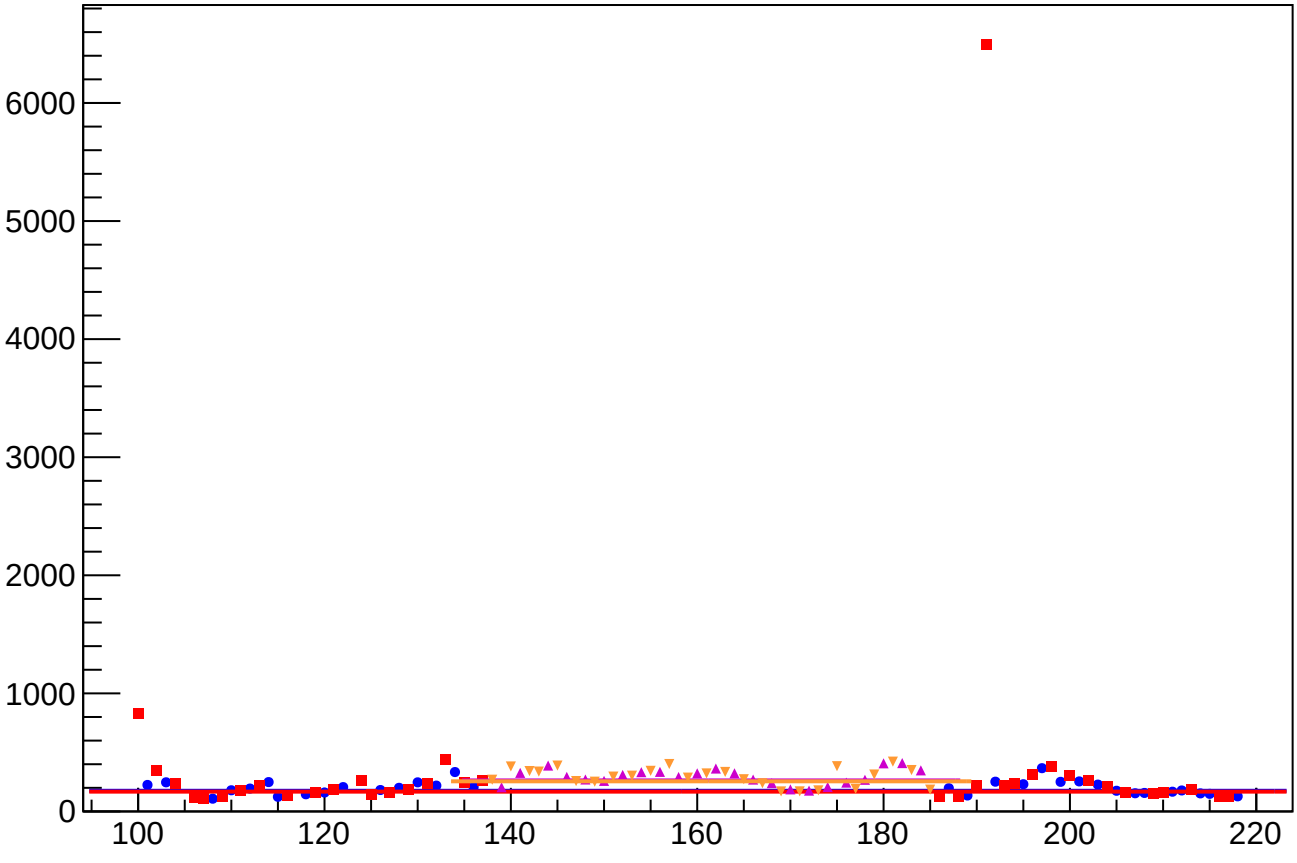
Left In: -0.078+/-0.065 χ^2/NDF:31.1/22

+ sign -0.010+/-0.034 χ^2/NDF: 55.5/56

All: 0.014+/-0.024 χ^2/NDF: 125.2/115

- sign 0.037+/-0.034 χ^2/NDF: 68.8/58

asym_atr_dd_dit_vs_cor_diff_rms vs Slug



Right In: 174.999+/-0.029 χ^2/NDF: 2473964.2/31

Left Out: 255.355+/-0.044 χ^2/NDF:2935324.6/24

Right Out: 167.924+/-0.028 χ^2/NDF: 4023848.7/35

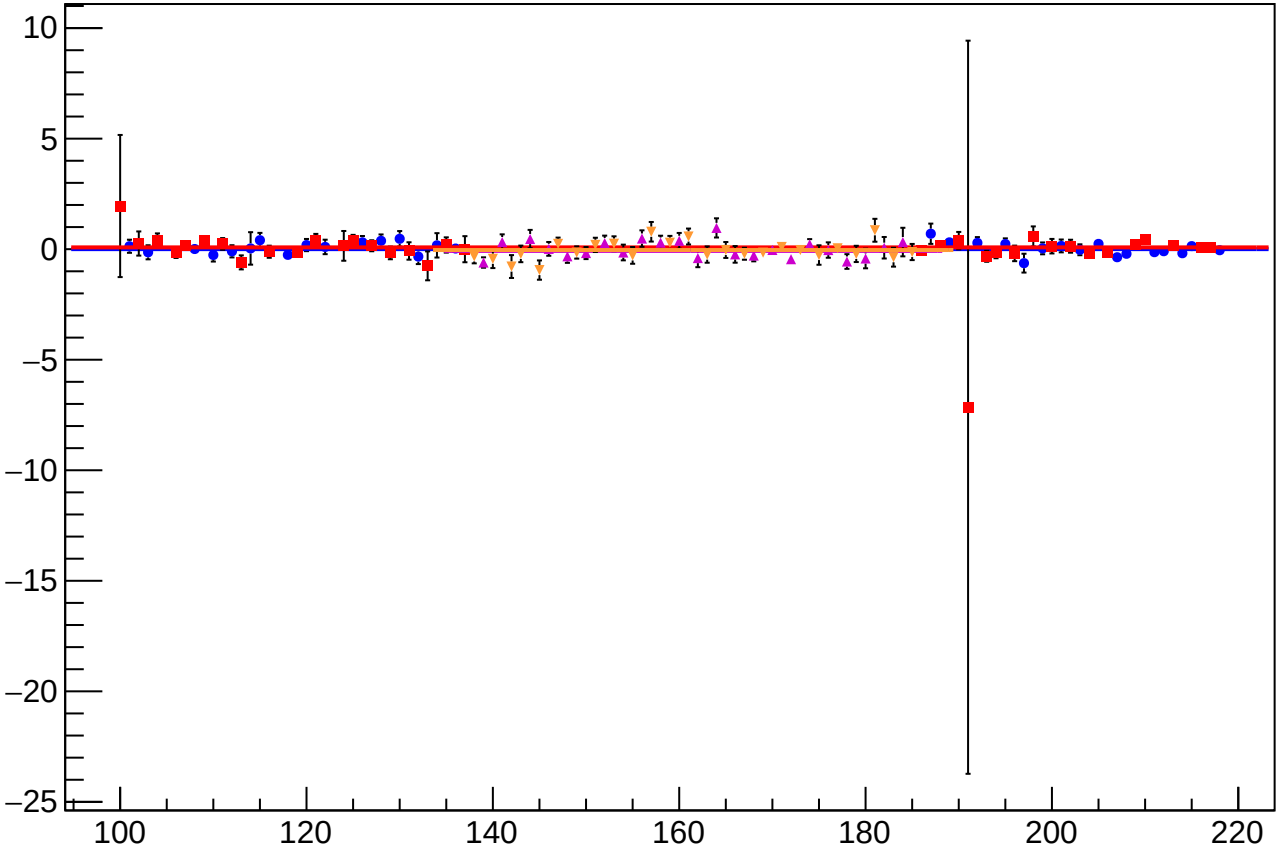
Left In: 262.788+/-0.046 χ^2/NDF:2025363.4/22

+ sign 199.651+/-0.024 χ^2/NDF: 7744010.7/56

All: 196.986+/-0.017 χ^2/NDF: 16902370.3/11

- sign 194.330+/-0.024 χ^2/NDF: 9134246.3/58

asym_atr_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.002+/-0.041 χ^2/NDF: 30.7/31

Left Out: -0.038+/-0.062 χ^2/NDF:24.4/24

Right Out: 0.082+/-0.040 χ^2/NDF: 33.3/35

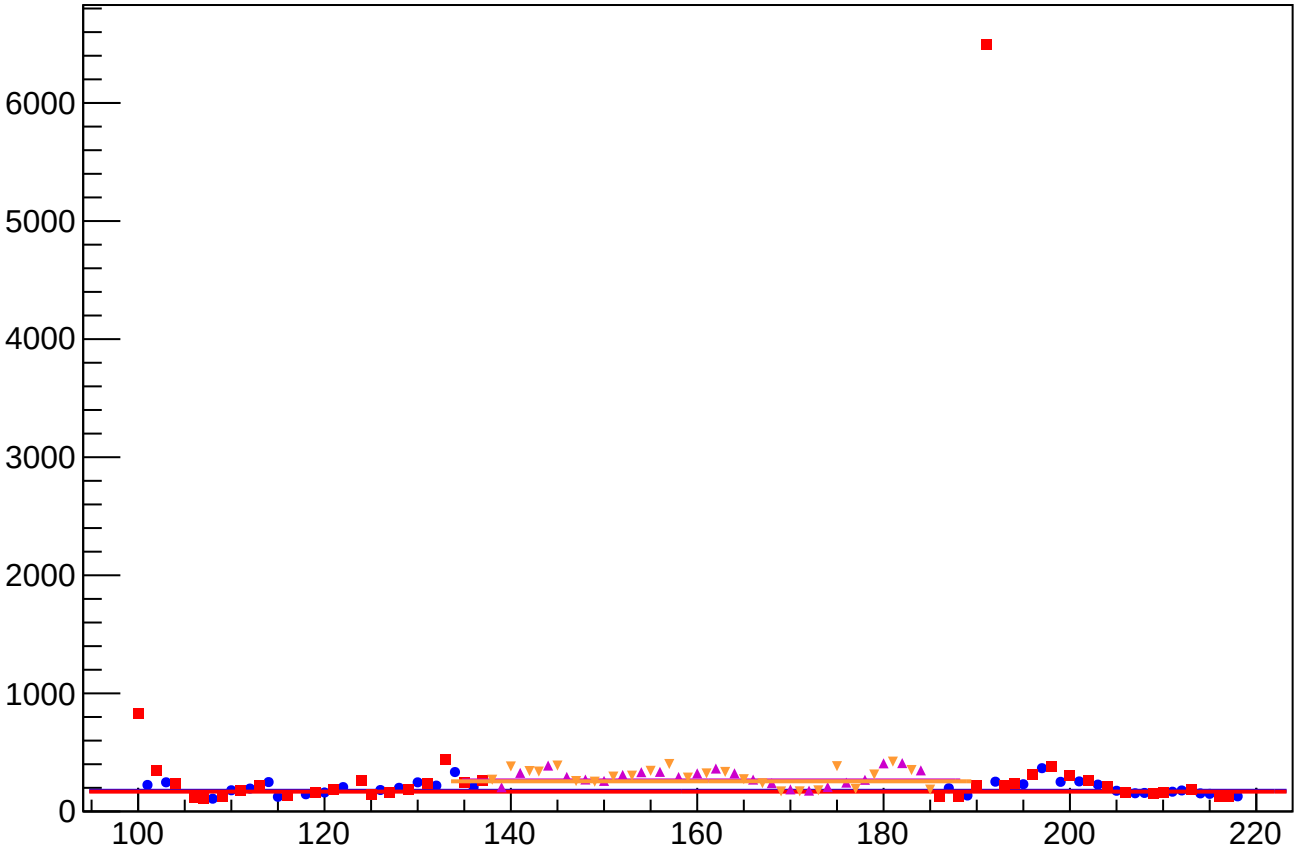
Left In: -0.078+/-0.065 χ^2/NDF:31.1/22

+ sign -0.010+/-0.034 χ^2/NDF: 55.5/56

All: 0.014+/-0.024 χ^2/NDF: 125.2/115

- sign 0.037+/-0.034 χ^2/NDF: 68.8/58

asym_atr_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 174.999+/-0.029 χ^2/NDF: 2473964.2/31

Left Out: 255.355+/-0.044 χ^2/NDF:2935324.6/24

Right Out: 167.924+/-0.028 χ^2/NDF: 4023848.7/35

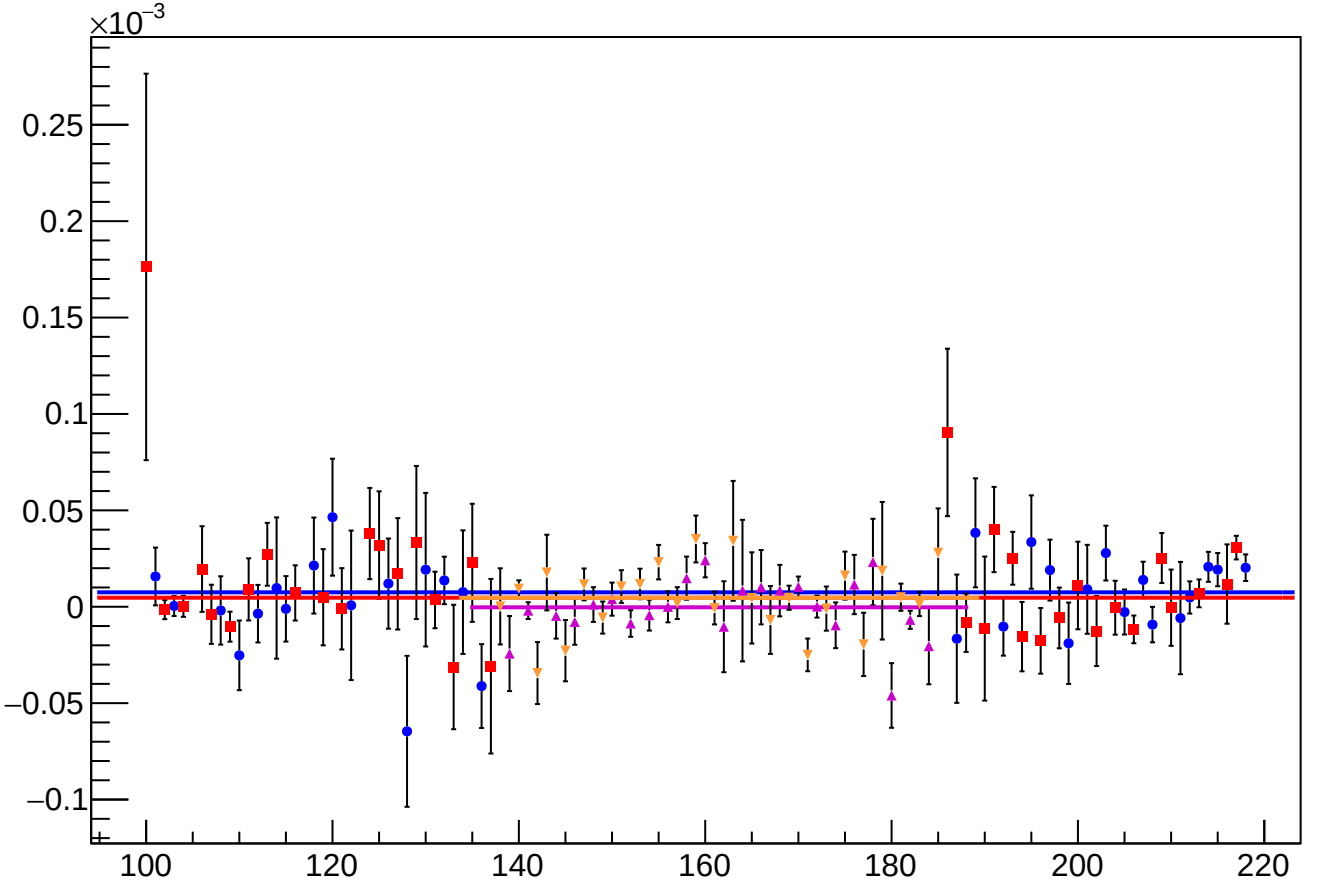
Left In: 262.788+/-0.046 χ^2/NDF:2025363.4/22

+ sign 199.651+/-0.024 χ^2/NDF: 7744010.7/56

All: 196.986+/-0.017 χ^2/NDF: 16902370.3/11

- sign 194.330+/-0.024 χ^2/NDF: 9134246.3/58

asym_atr_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 38.7/31

Left Out: 0.000+/-0.000 χ^2/NDF:43.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 57.8/35

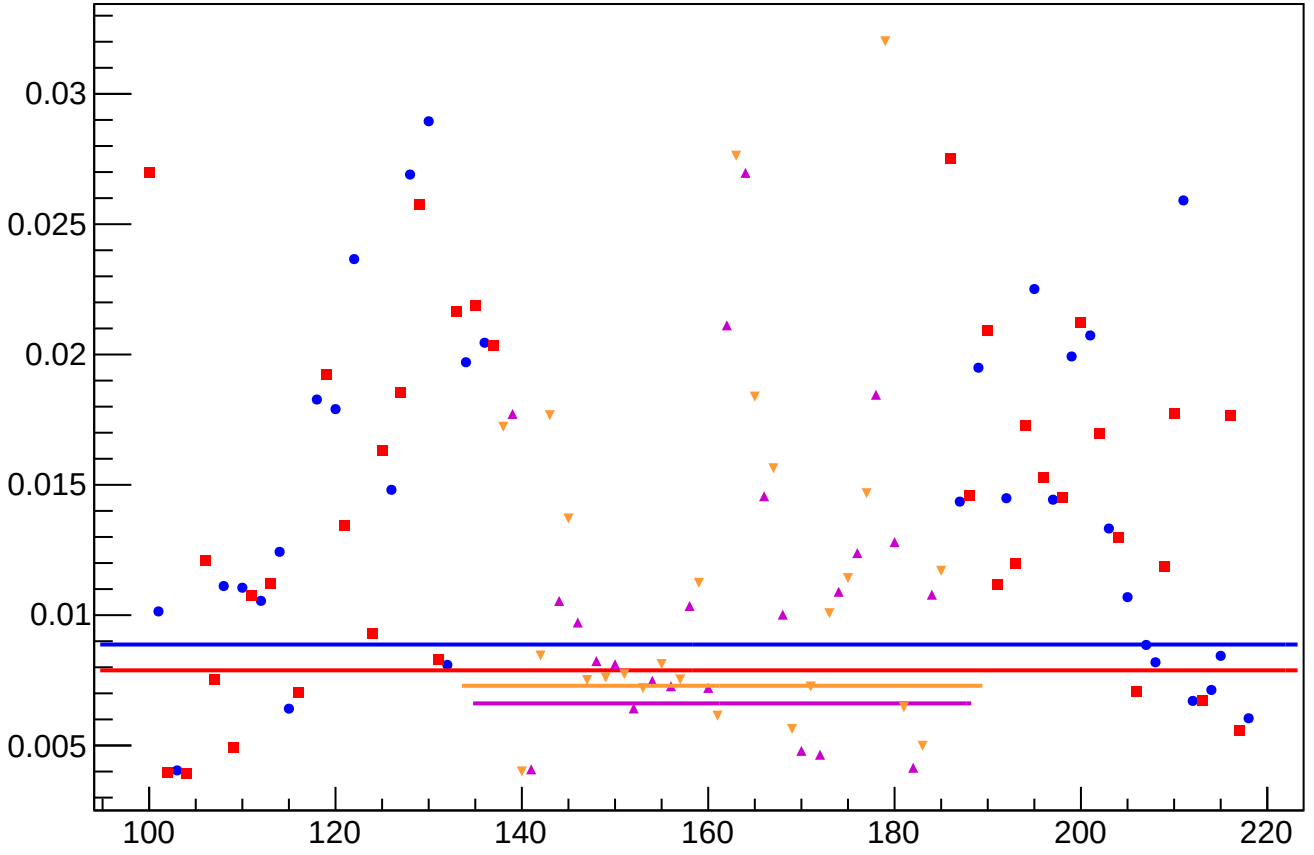
Left In: -0.000+/-0.000 χ^2/NDF:31.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 83.0/56

All: 0.000+/-0.000 χ^2/NDF: 179.2/115

- sign 0.000+/-0.000 χ^2/NDF: 92.3/58

asym_atr_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 8593758.9/31

Left Out: 0.007+/-0.000 χ^2/NDF:6772003.6/24

Right Out: 0.008+/-0.000 χ^2/NDF: 10767369.3/35

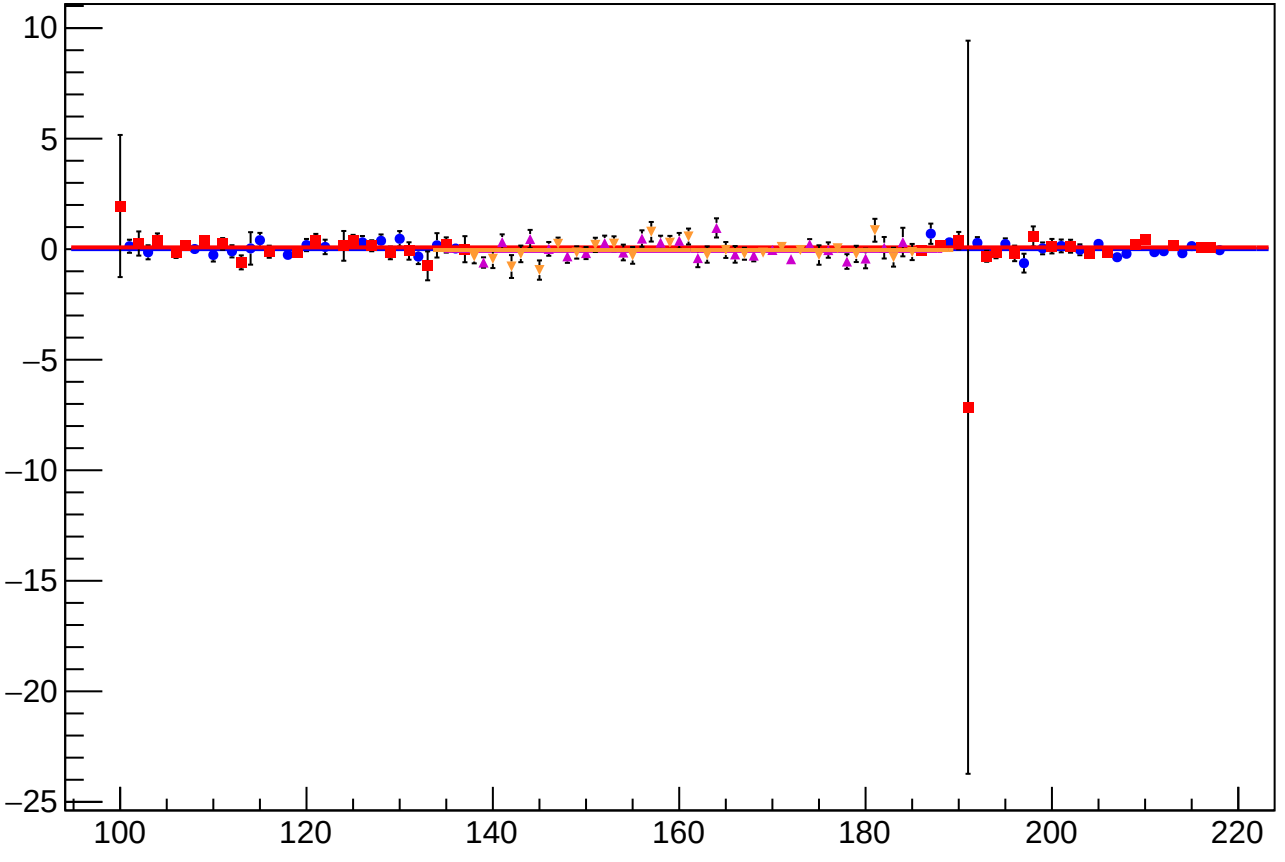
Left In: 0.007+/-0.000 χ^2/NDF:6410135.0/22

+ sign 0.008+/-0.000 χ^2/NDF: 15936660.8/56

All: 0.008+/-0.000 χ^2/NDF: 33842118.6/115

- sign 0.007+/-0.000 χ^2/NDF: 17608424.1/58

asym_atr_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.003+/-0.041 χ^2/NDF: 30.7/31

Left Out: -0.038+/-0.062 χ^2/NDF:24.4/24

Right Out: 0.082+/-0.040 χ^2/NDF: 33.3/35

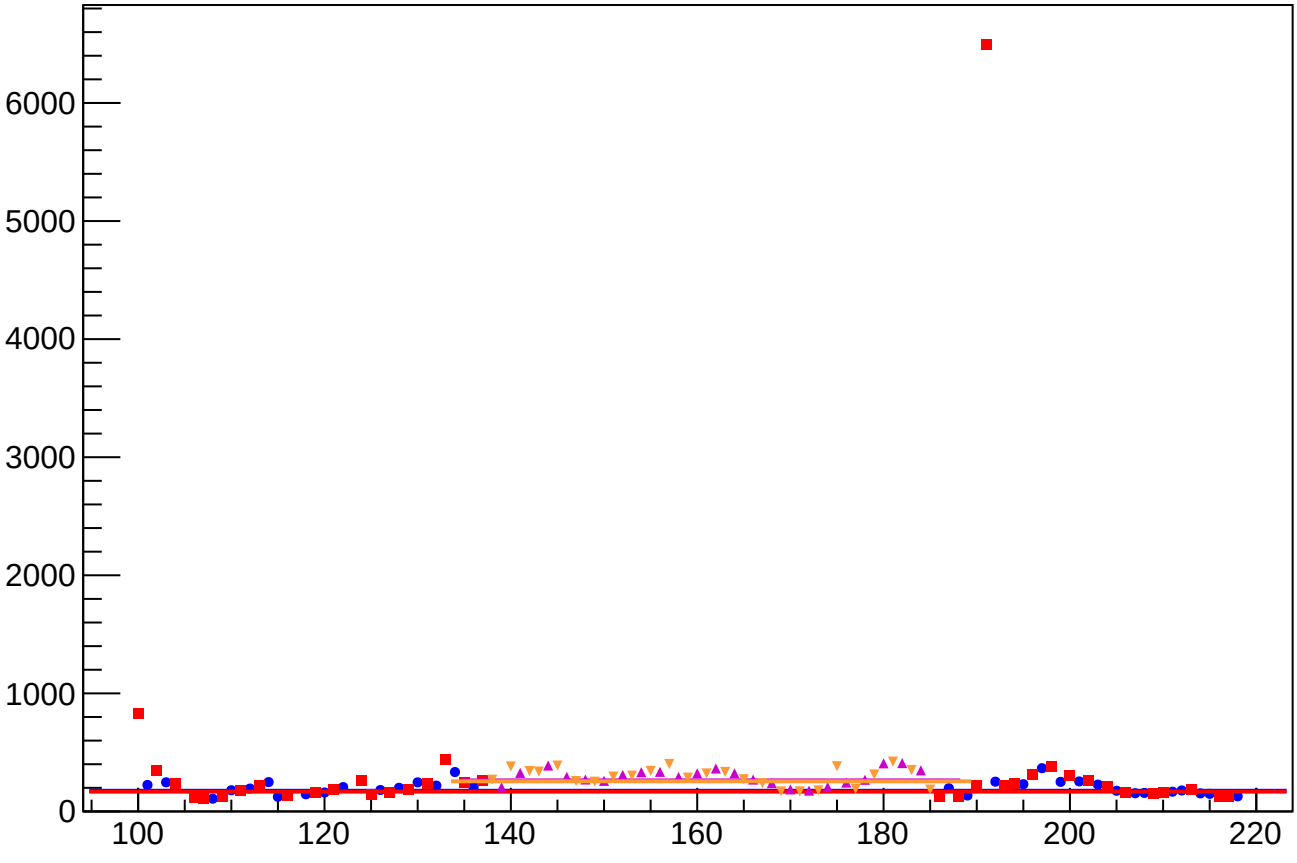
Left In: -0.078+/-0.065 χ^2/NDF:31.1/22

+ sign -0.010+/-0.034 χ^2/NDF: 55.4/56

All: 0.014+/-0.024 χ^2/NDF: 125.2/115

- sign 0.037+/-0.034 χ^2/NDF: 68.8/58

asym_atr_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 175.000+/-0.029 χ^2/NDF: 2473964.3/31

Left Out: 255.357+/-0.044 χ^2/NDF:2935428.4/24

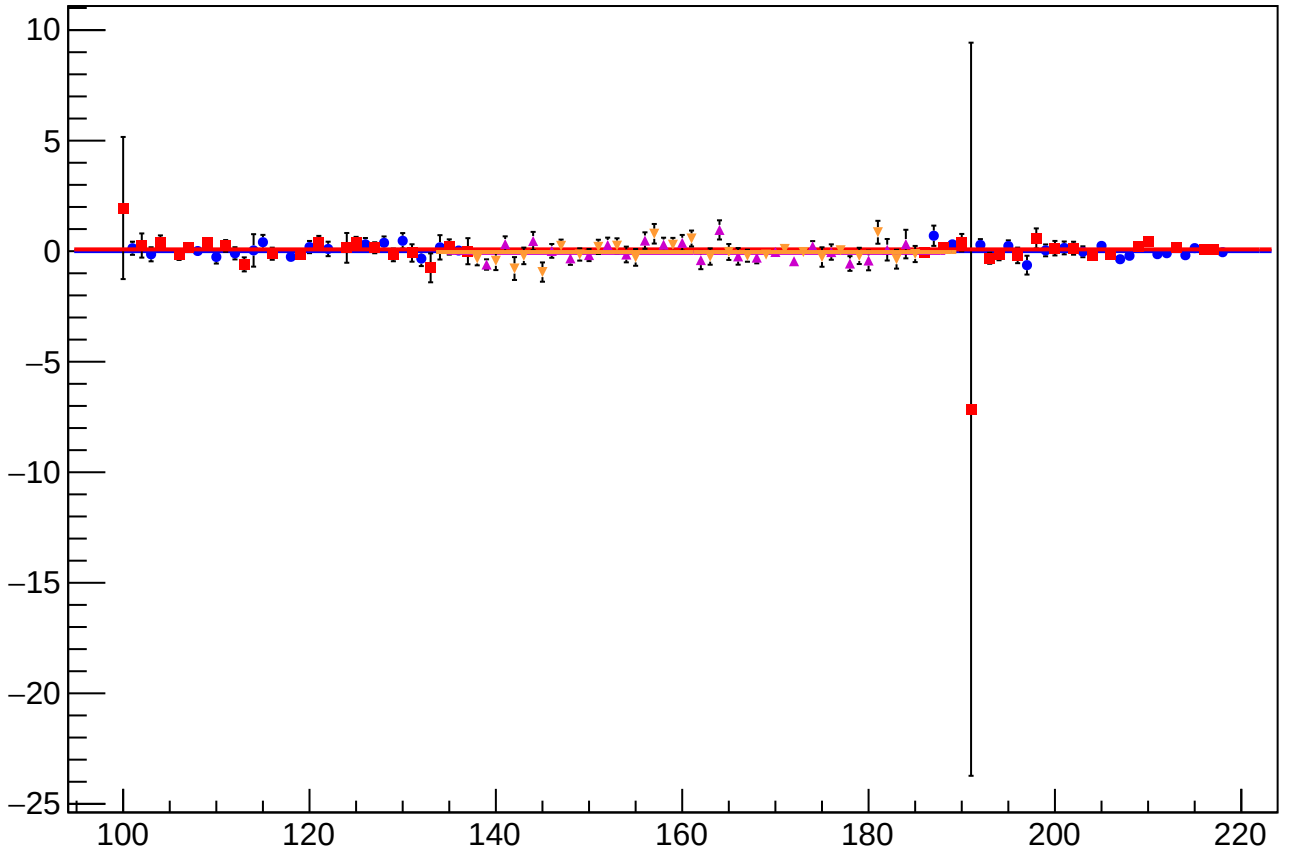
Right Out: 167.925+/-0.028 χ^2/NDF: 4023771.6/35

Left In: 262.790+/-0.046 χ^2/NDF:2025402.0/22

+ sign 199.652+/-0.024 χ^2/NDF: 7744178.6/56

All: 196.987+/-0.017 χ^2/NDF: 16902502.8/11

- sign 194.332+/-0.024 χ^2/NDF: 9134220.8/58



Right In: 0.003+/-0.041 χ^2/NDF: 30.7/31

Left Out: -0.038+/-0.062 χ^2/NDF:24.4/24

Right Out: 0.082+/-0.040 χ^2/NDF: 33.3/35

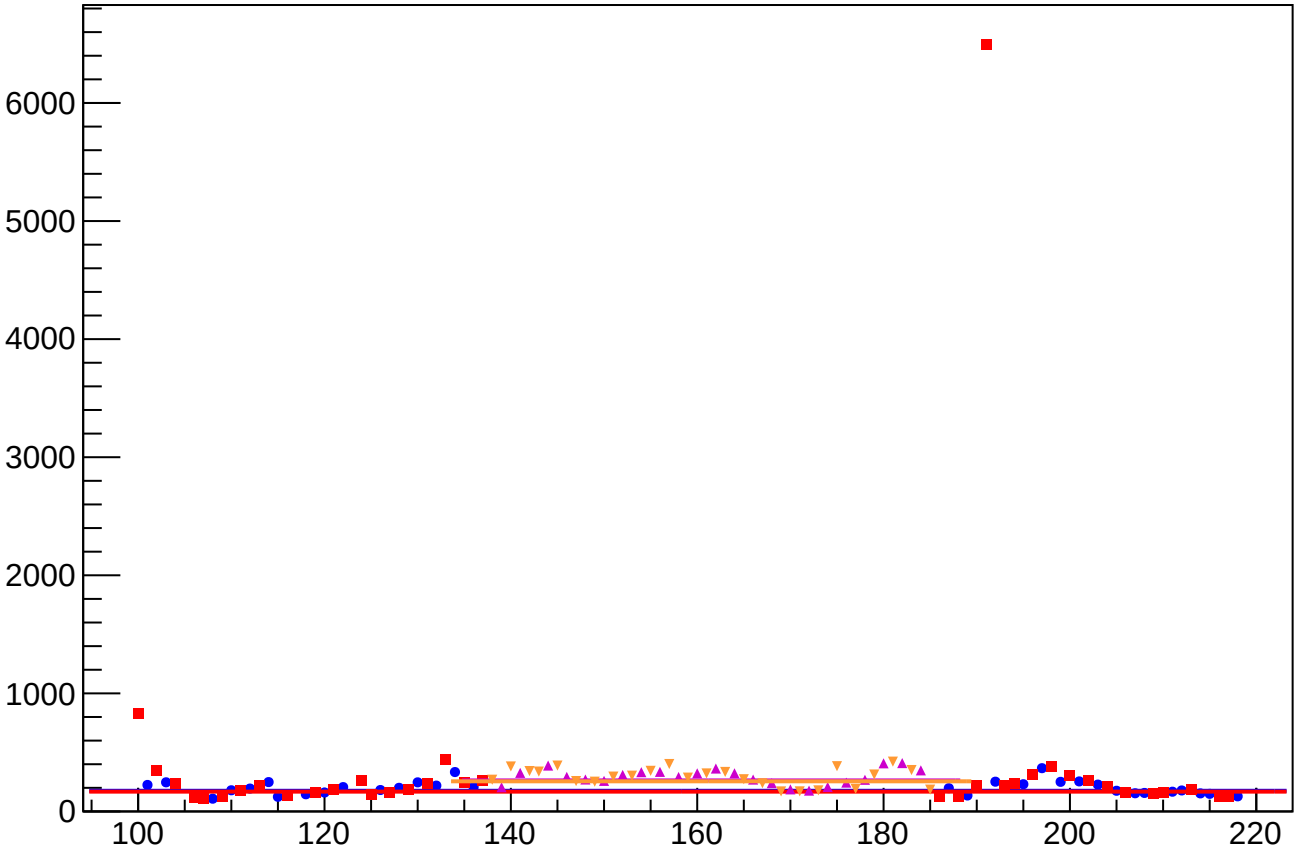
Left In: -0.078+/-0.065 χ^2/NDF:31.1/22

+ sign -0.010+/-0.034 χ^2/NDF: 55.4/56

All: 0.014+/-0.024 χ^2/NDF: 125.2/115

- sign 0.037+/-0.034 χ^2/NDF: 68.8/58

asym_atr_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 175.000+/-0.029 χ^2/NDF: 2473964.3/31

Left Out: 255.357+/-0.044 χ^2/NDF:2935428.4/24

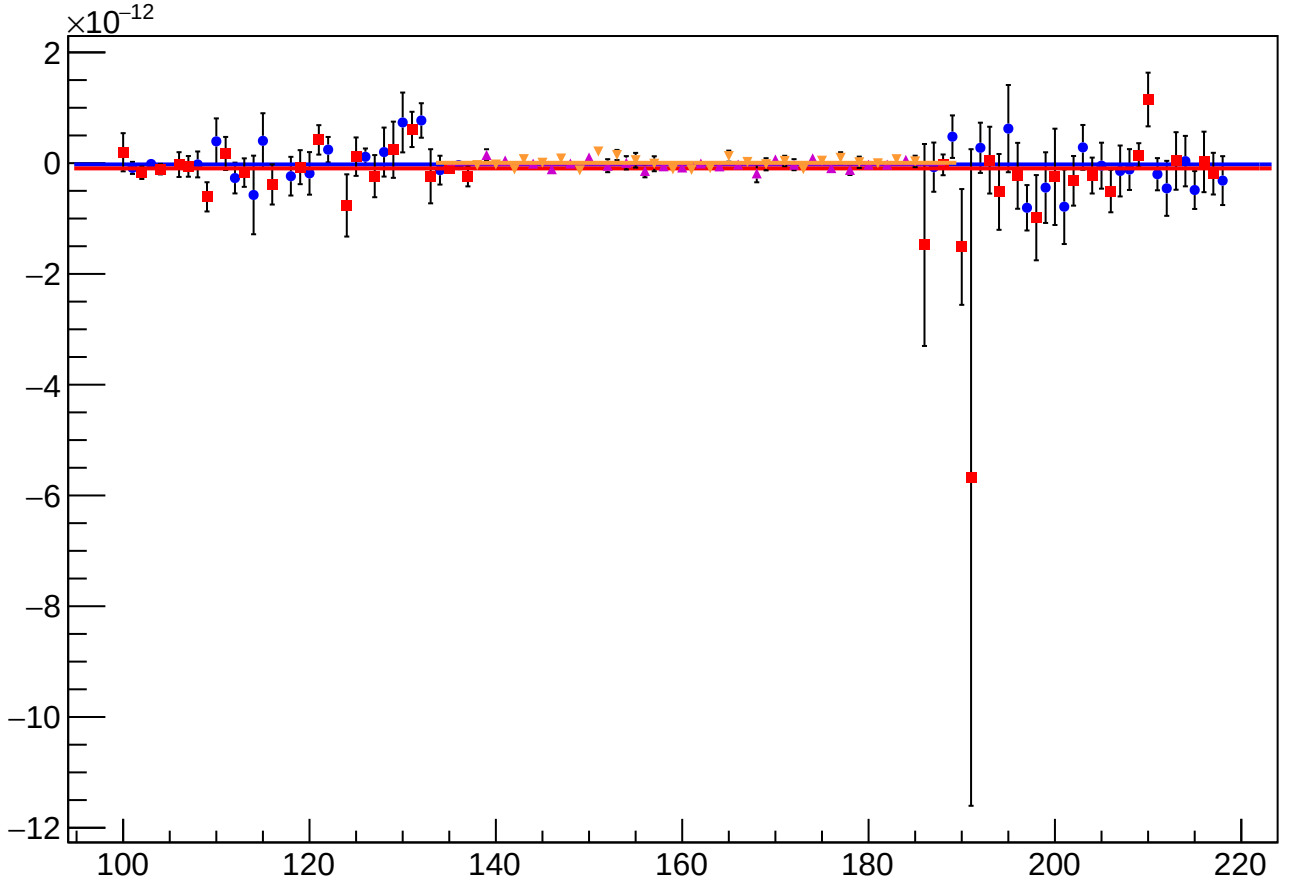
Right Out: 167.925+/-0.028 χ^2/NDF: 4023771.6/35

Left In: 262.790+/-0.046 χ^2/NDF:2025402.0/22

+ sign 199.652+/-0.024 χ^2/NDF: 7744178.6/56

All: 196.987+/-0.017 χ^2/NDF: 16902502.8/11

- sign 194.332+/-0.024 χ^2/NDF: 9134220.8/58



Right In: -0.000+/-0.000 χ^2/NDF: 27.5/31

Left Out: 0.000+/-0.000 χ^2/NDF:30.5/24

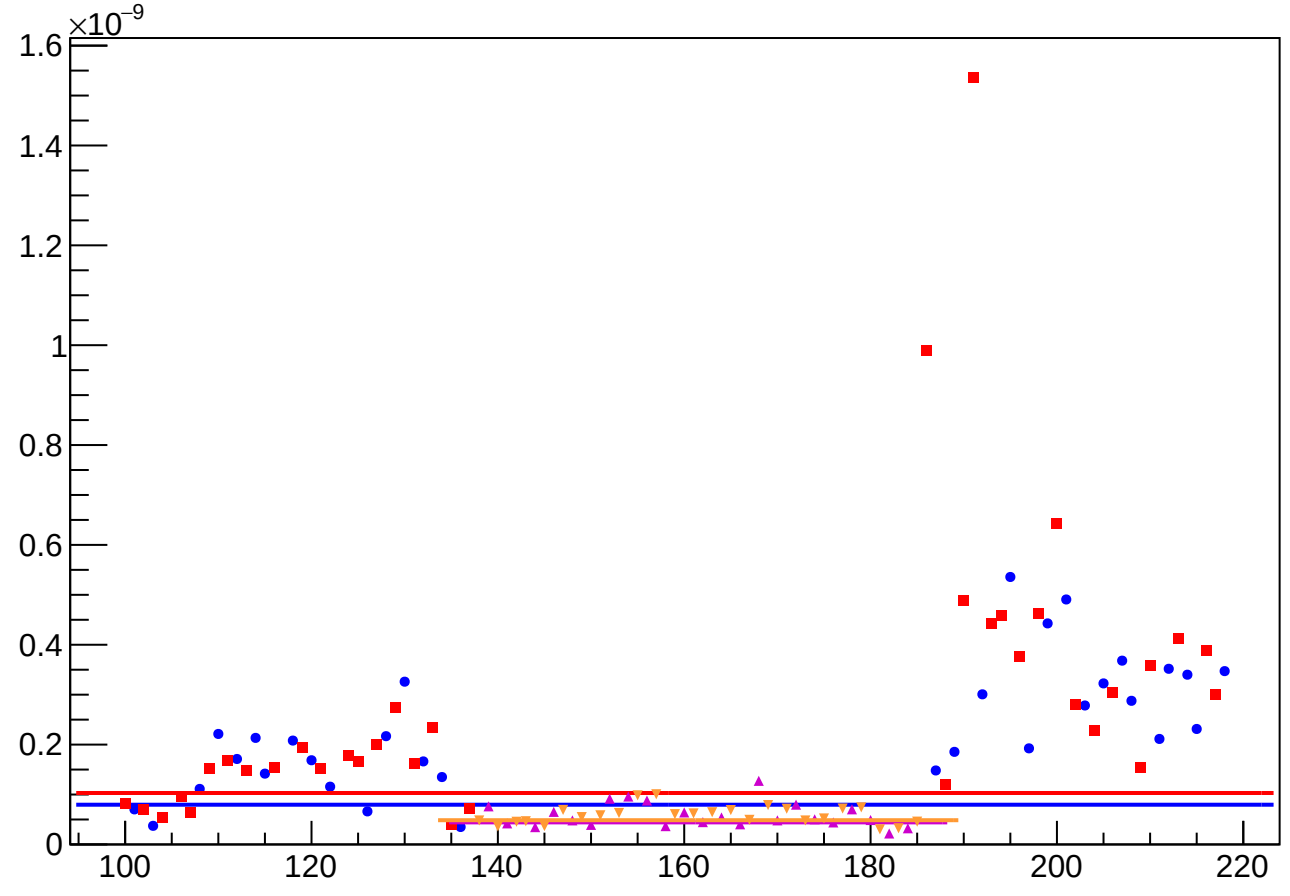
Right Out: -0.000+/-0.000 χ^2/NDF: 33.2/35

Left In: -0.000+/-0.000 χ^2/NDF:21.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 58.6/56

All: -0.000+/-0.000 χ^2/NDF: 118.6/115

- sign -0.000+/-0.000 χ^2/NDF: 58.8/58



Right In: 0.000+/-0.000 χ^2/NDF: 12361857.2/31

Left Out: 0.000+/-0.000 χ^2/NDF:2493290.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10731134.8/35

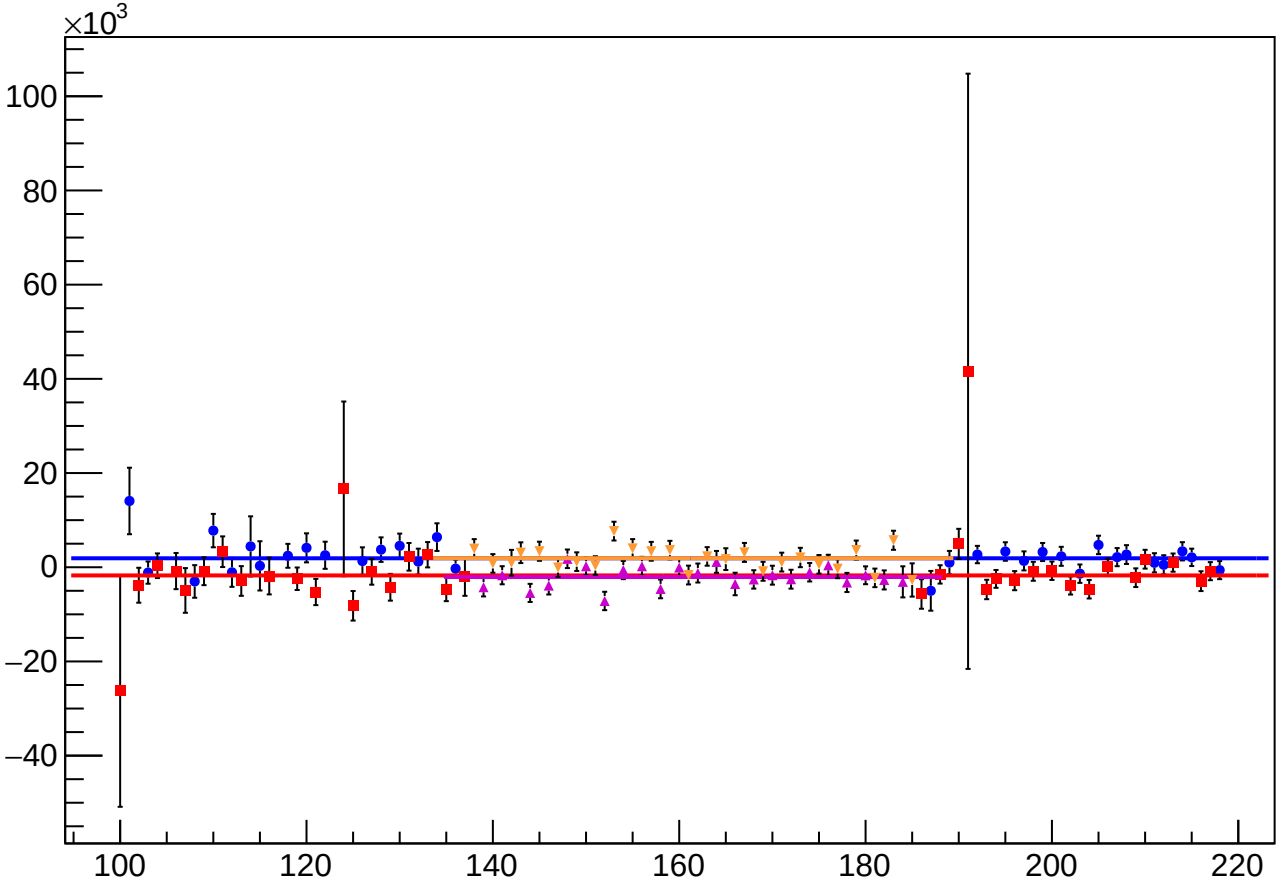
Left In: 0.000+/-0.000 χ^2/NDF:3624474.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 16312704.4/56

All: 0.000+/-0.000 χ^2/NDF: 34796816.8/115

- sign 0.000+/-0.000 χ^2/NDF: 18448467.3/58

reg_asym_at1_avg_mean vs Slug



Right In: 1902.544+/-417.537 χ^2/NDF: 28.7/31

Left Out: 1920.623+/-412.915 χ^2/NDF:32.5/24

Right Out: -1737.222+/-419.688 χ^2/NDF: 38.0/35

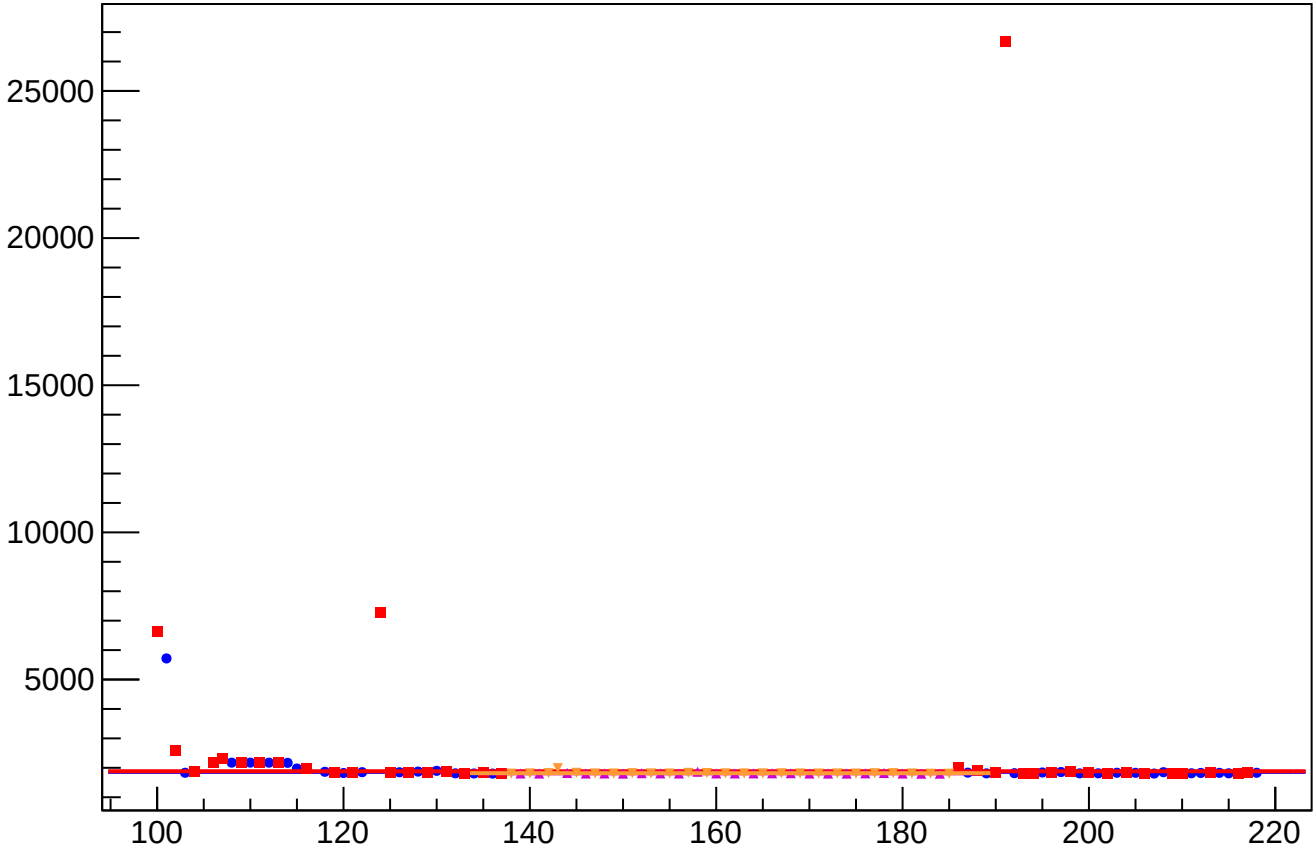
Left In: -2074.205+/-423.203 χ^2/NDF:26.5/22

+ sign 1911.684+/-293.595 χ^2/NDF: 61.2/56

All: 32.091+/-209.143 χ^2/NDF: 209.3/115

- sign -1904.308+/-297.999 χ^2/NDF: 64.9/58

reg_asym_at1_avg_rms vs Slug



Right In: 1861.574+/-0.295 χ^2/NDF: 670908.4/31

Left Out: 1817.524+/-0.292 χ^2/NDF:12955.2/24

Right Out: 1882.405+/-0.297 χ^2/NDF: 745214.0/35

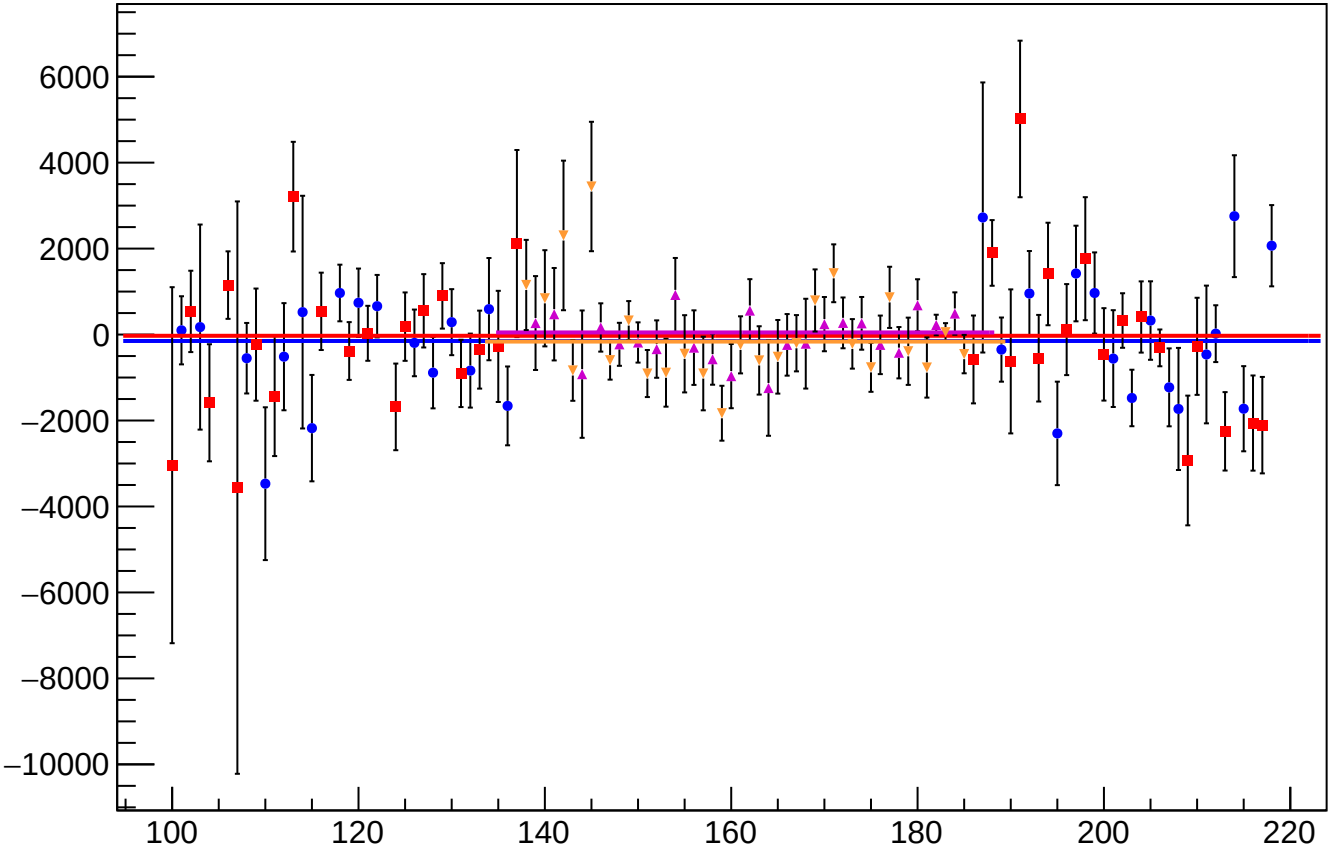
Left In: 1812.545+/-0.299 χ^2/NDF:2013.0/22

+ sign 1839.304+/-0.208 χ^2/NDF: 695117.6/56

All: 1843.472+/-0.148 χ^2/NDF: 1470639.9/11

- sign 1847.766+/-0.211 χ^2/NDF: 774703.9/58

asym_at1_avg_reg_correction_mean vs Slug



Right In: -149.351+/-167.362 χ^2/NDF: 45.1/31

Left Out: -162.996+/-115.295 χ^2/NDF:36.8/24

Right Out: -28.607+/-156.207 χ^2/NDF: 55.4/35

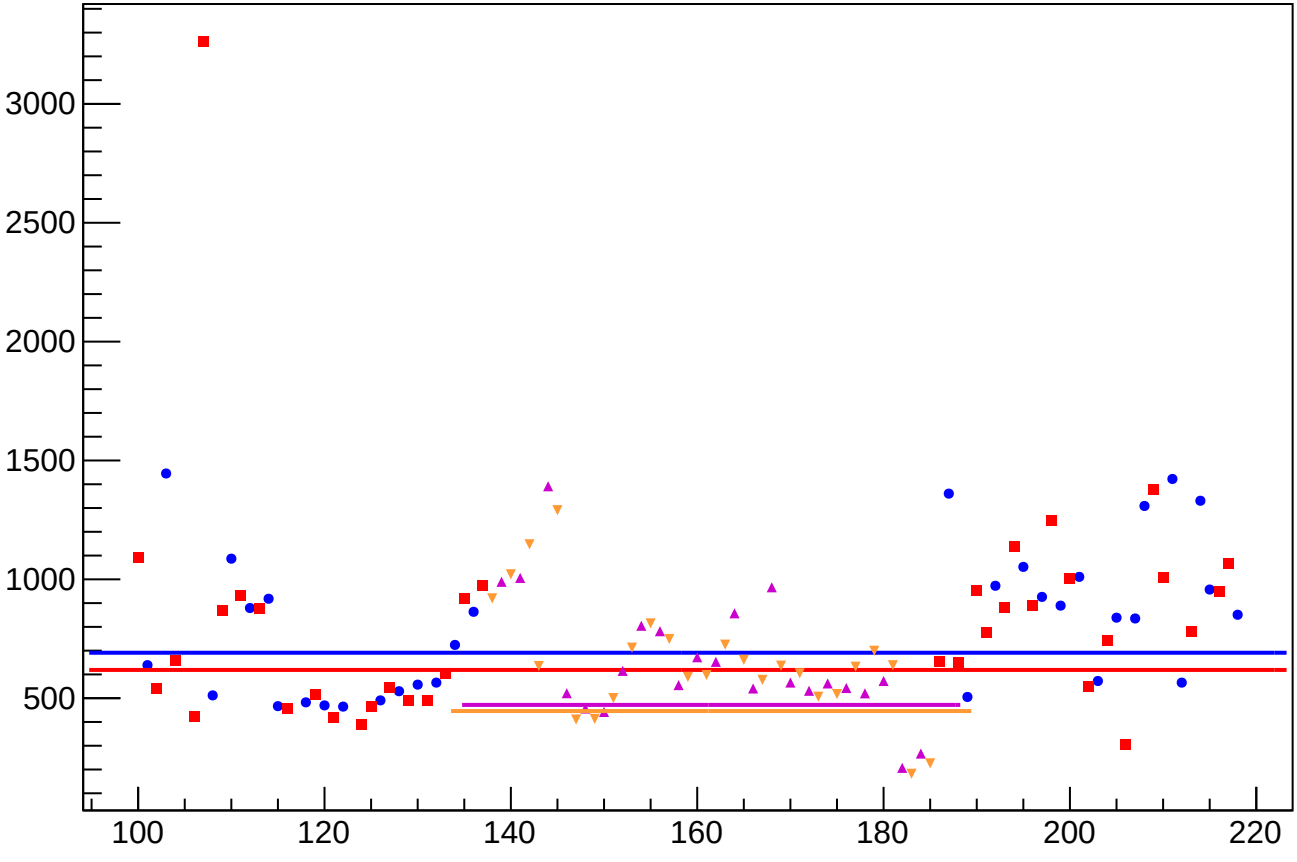
Left In: 49.290+/-122.691 χ^2/NDF:11.3/22

+ sign -158.604+/-94.946 χ^2/NDF: 81.9/56

All: -70.952+/-67.675 χ^2/NDF: 150.6/115

- sign 19.569+/-96.487 χ^2/NDF: 66.9/58

asym_at1_avg_reg_correction_rms vs Slug



Right In: 691.225+/-0.118 χ^2/NDF: 4002298.8/31

Left Out: 445.893+/-0.082 χ^2/NDF:7982455.6/24

Right Out: 618.871+/-0.110 χ^2/NDF: 5329558.1/35

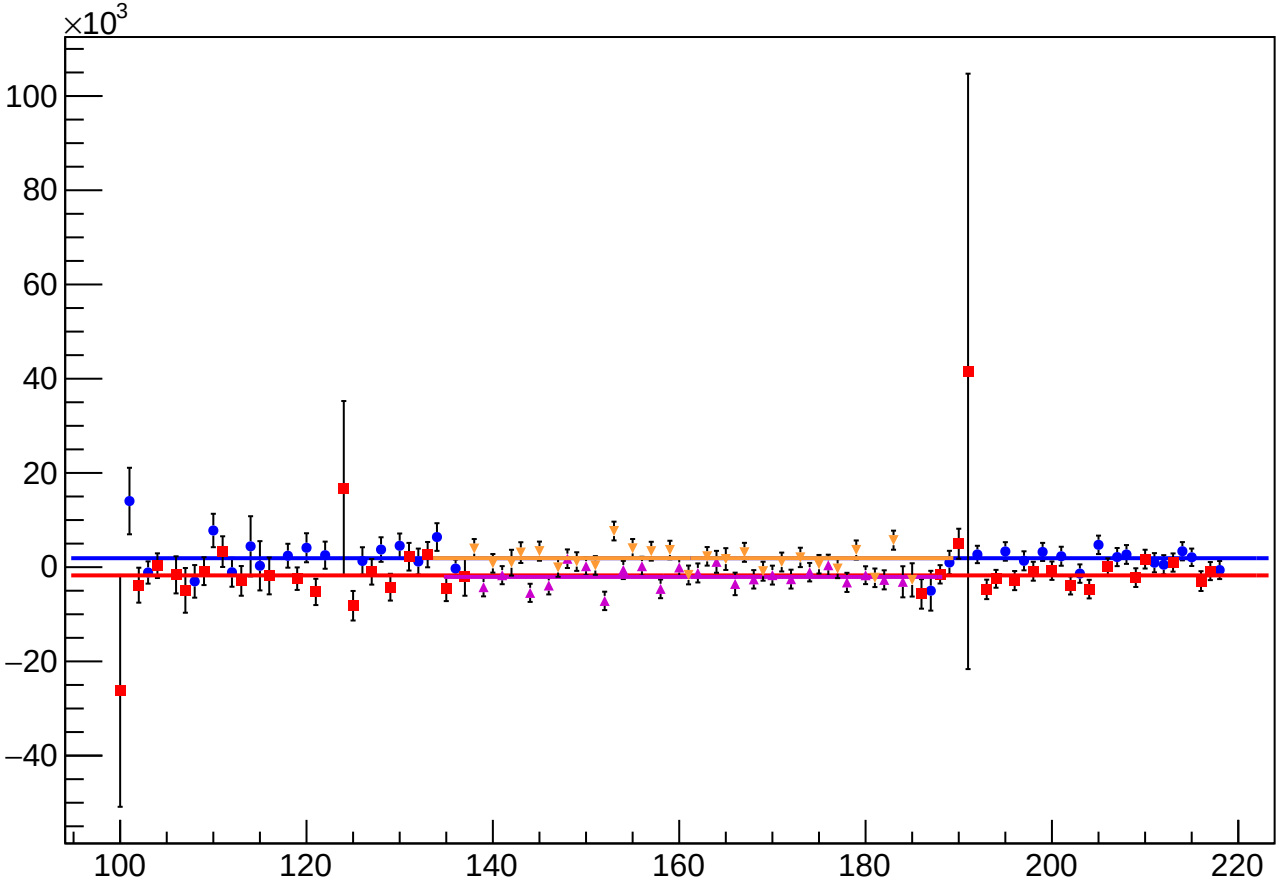
Left In: 471.746+/-0.087 χ^2/NDF:6413905.5/22

+ sign 524.851+/-0.067 χ^2/NDF: 14899197.8/56

All: 526.341+/-0.048 χ^2/NDF: 27740939.9/11

- sign 527.880+/-0.068 χ^2/NDF: 12840740.8/58

cor_asym_at1_avg_mean vs Slug



Right In: 1902.437+/-417.537 χ^2/NDF: 28.6/31

Left Out: 1920.588+/-412.915 χ^2/NDF:32.5/24

Right Out: -1747.187+/-419.807 χ^2/NDF: 38.0/35

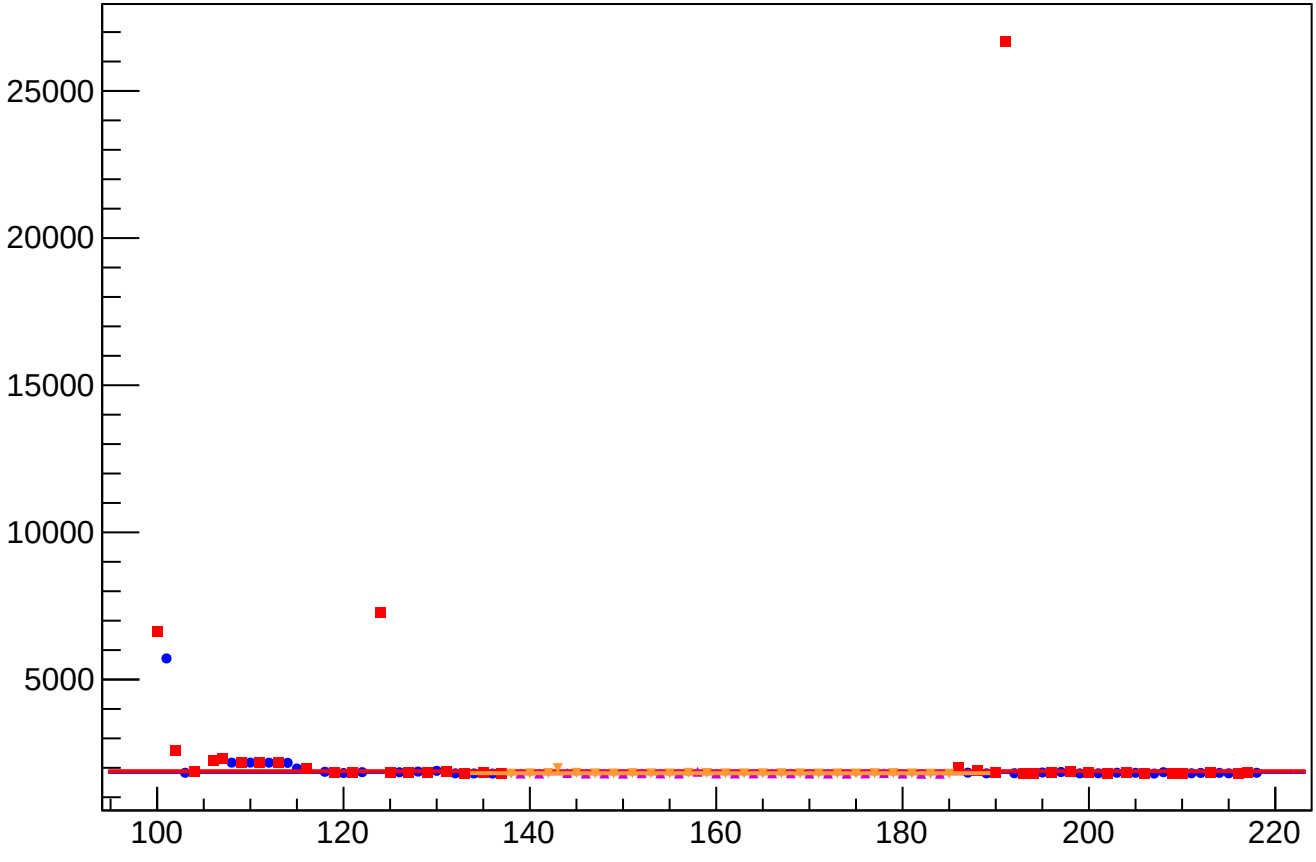
Left In: -2074.306+/-423.203 χ^2/NDF:26.5/22

+ sign 1911.613+/-293.595 χ^2/NDF: 61.2/56

All: 29.807+/-209.158 χ^2/NDF: 209.4/115

- sign -1909.429+/-298.042 χ^2/NDF: 64.8/58

cor_asym_at1_avg_rms vs Slug



Right In: 1861.574+/-0.295 χ^2/NDF: 670908.4/31

Left Out: 1817.524+/-0.292 χ^2/NDF:12955.2/24

Right Out: 1882.805+/-0.297 χ^2/NDF: 748987.0/35

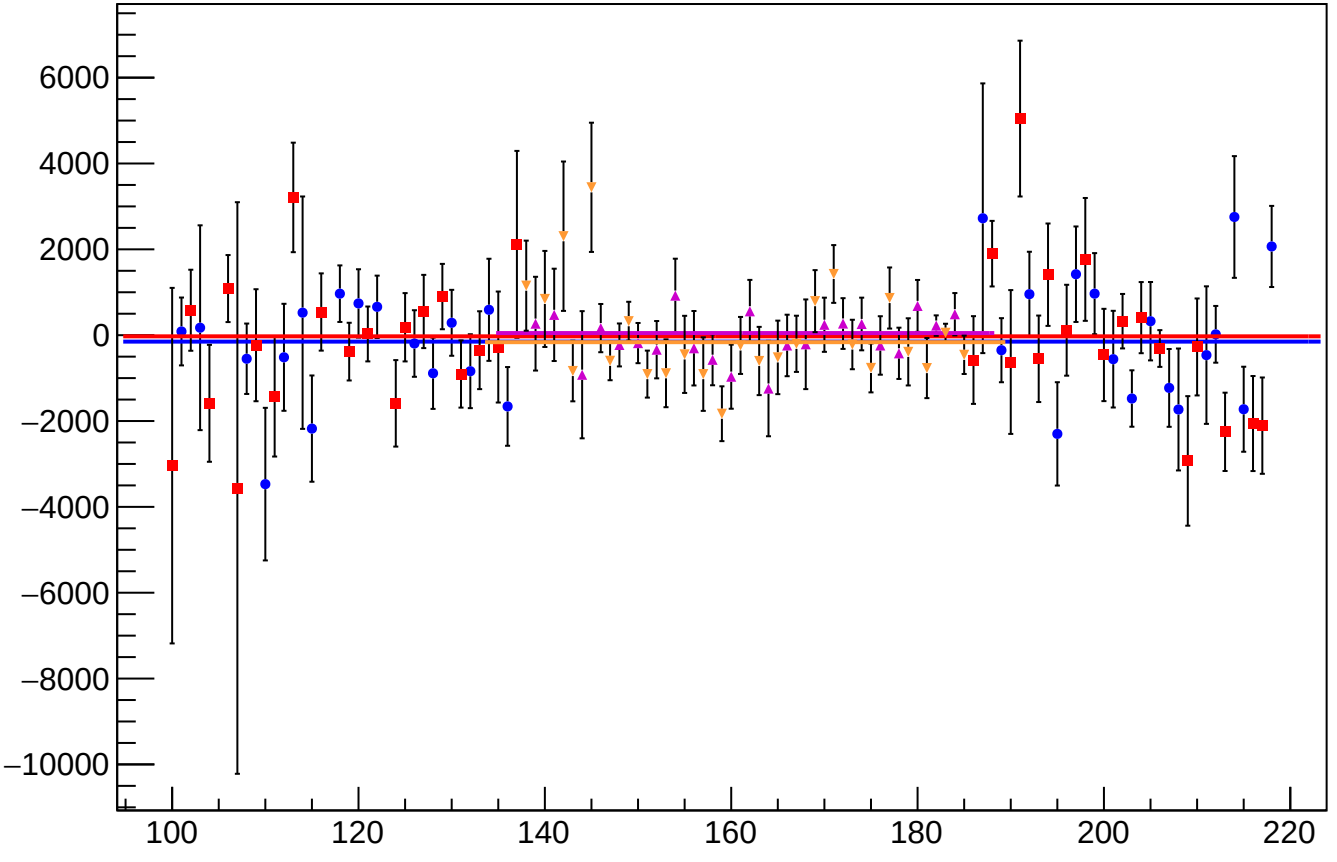
Left In: 1812.545+/-0.299 χ^2/NDF:2013.0/22

+ sign 1839.304+/-0.208 χ^2/NDF: 695117.5/56

All: 1843.566+/-0.148 χ^2/NDF: 1474758.2/11

- sign 1847.958+/-0.211 χ^2/NDF: 778784.9/58

asym_at1_avg_cor_correction_mean vs Slug



Right In: -149.801+/-167.344 χ^2/NDF: 45.1/31

Left Out: -162.911+/-115.291 χ^2/NDF:36.9/24

Right Out: -26.823+/-156.153 χ^2/NDF: 55.1/35

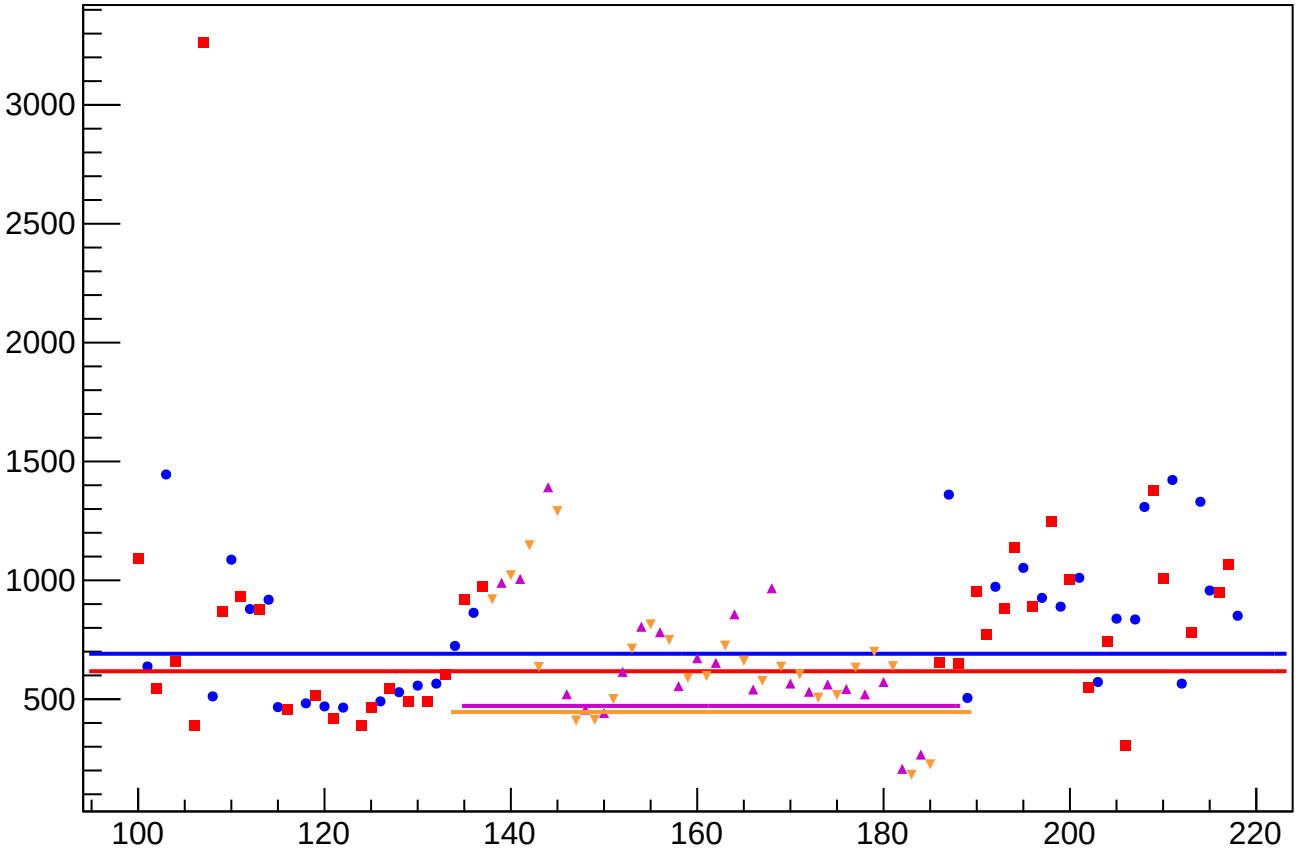
Left In: 49.310+/-122.694 χ^2/NDF:11.3/22

+ sign -158.692+/-94.941 χ^2/NDF: 81.9/56

All: -70.656+/-67.669 χ^2/NDF: 150.3/115

- sign 20.249+/-96.476 χ^2/NDF: 66.6/58

asym_at1_avg_cor_correction_rms vs Slug



Right In: 691.152+/-0.118 χ^2/NDF: 4002869.9/31

Left Out: 445.867+/-0.082 χ^2/NDF:7983869.6/24

Right Out: 617.515+/-0.110 χ^2/NDF: 5376914.5/35

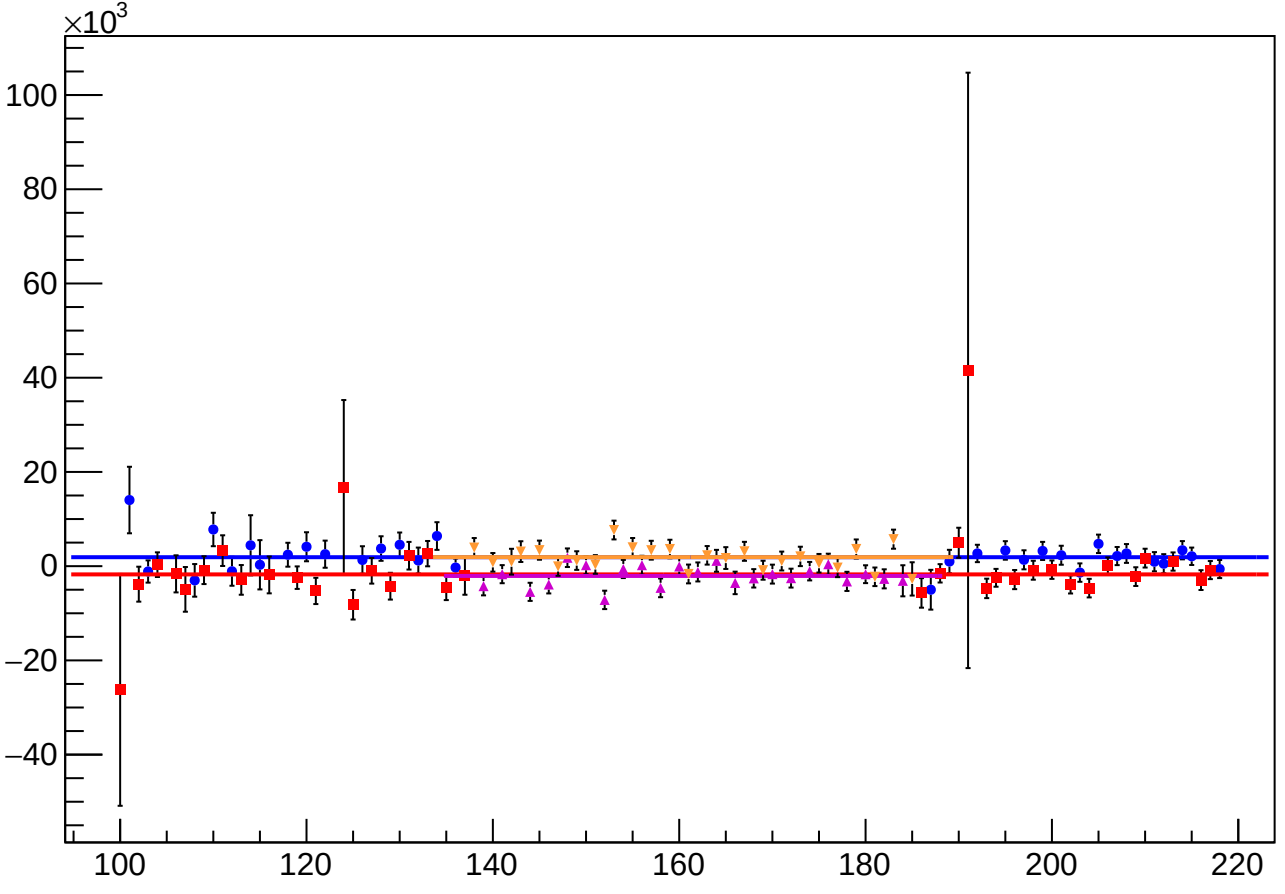
Left In: 471.757+/-0.087 χ^2/NDF:6413685.0/22

+ sign 524.818+/-0.067 χ^2/NDF: 14900572.4/56

All: 526.086+/-0.048 χ^2/NDF: 27769316.8/11

- sign 527.395+/-0.068 χ^2/NDF: 12868019.6/58

eigen_cor_asym_at1_avg_mean vs Slug



Right In: 1902.437+/-417.537 χ^2/NDF: 28.6/31

Left Out: 1920.588+/-412.915 χ^2/NDF:32.5/24

Right Out: -1747.187+/-419.807 χ^2/NDF: 38.0/35

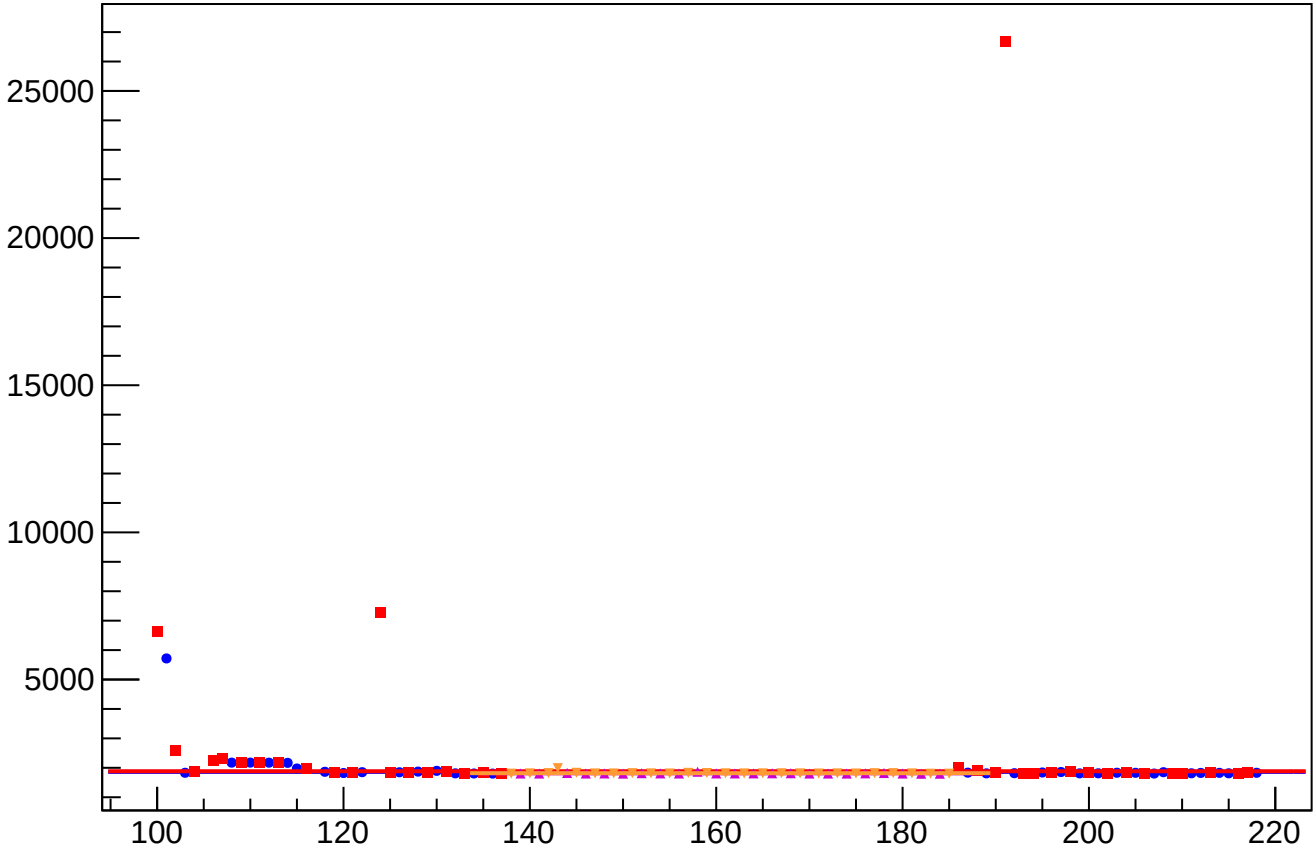
Left In: -2074.306+/-423.203 χ^2/NDF:26.5/22

+ sign 1911.613+/-293.595 χ^2/NDF: 61.2/56

All: 29.807+/-209.158 χ^2/NDF: 209.4/115

- sign -1909.429+/-298.042 χ^2/NDF: 64.8/58

eigen_cor_asym_at1_avg_rms vs Slug



Right In: 1861.574+/-0.295 χ^2/NDF: 670908.4/31

Left Out: 1817.524+/-0.292 χ^2/NDF:12955.2/24

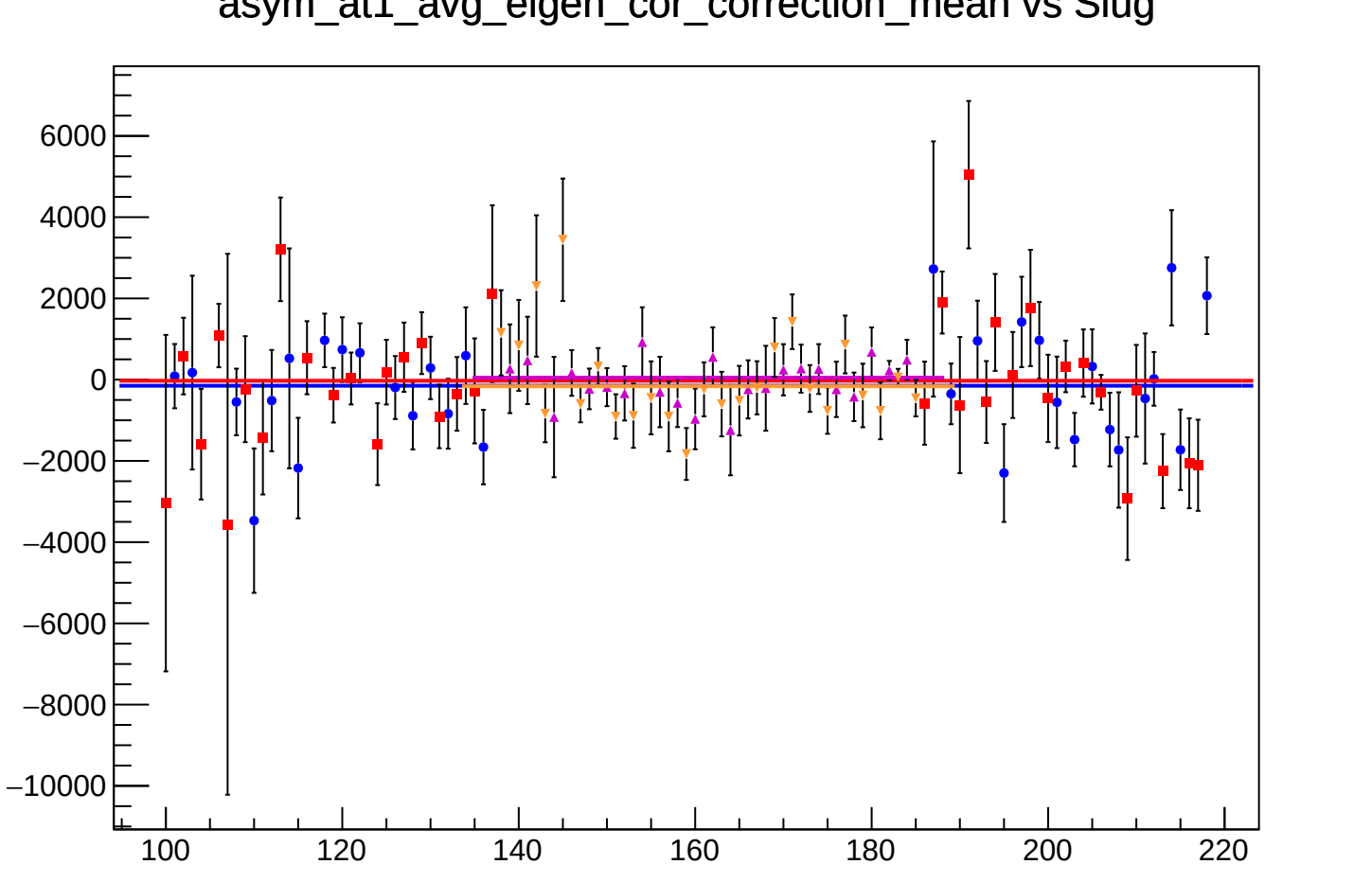
Right Out: 1882.805+/-0.297 χ^2/NDF: 748987.0/35

Left In: 1812.545+/-0.299 χ^2/NDF:2013.0/22

+ sign 1839.304+/-0.208 χ^2/NDF: 695117.5/56

All: 1843.566+/-0.148 χ^2/NDF: 1474758.2/11

- sign 1847.958+/-0.211 χ^2/NDF: 778784.9/58



Right In: -149.801+/-167.344 χ^2/NDF: 45.1/31

Left Out: -162.911+/-115.291 χ^2/NDF:36.9/24

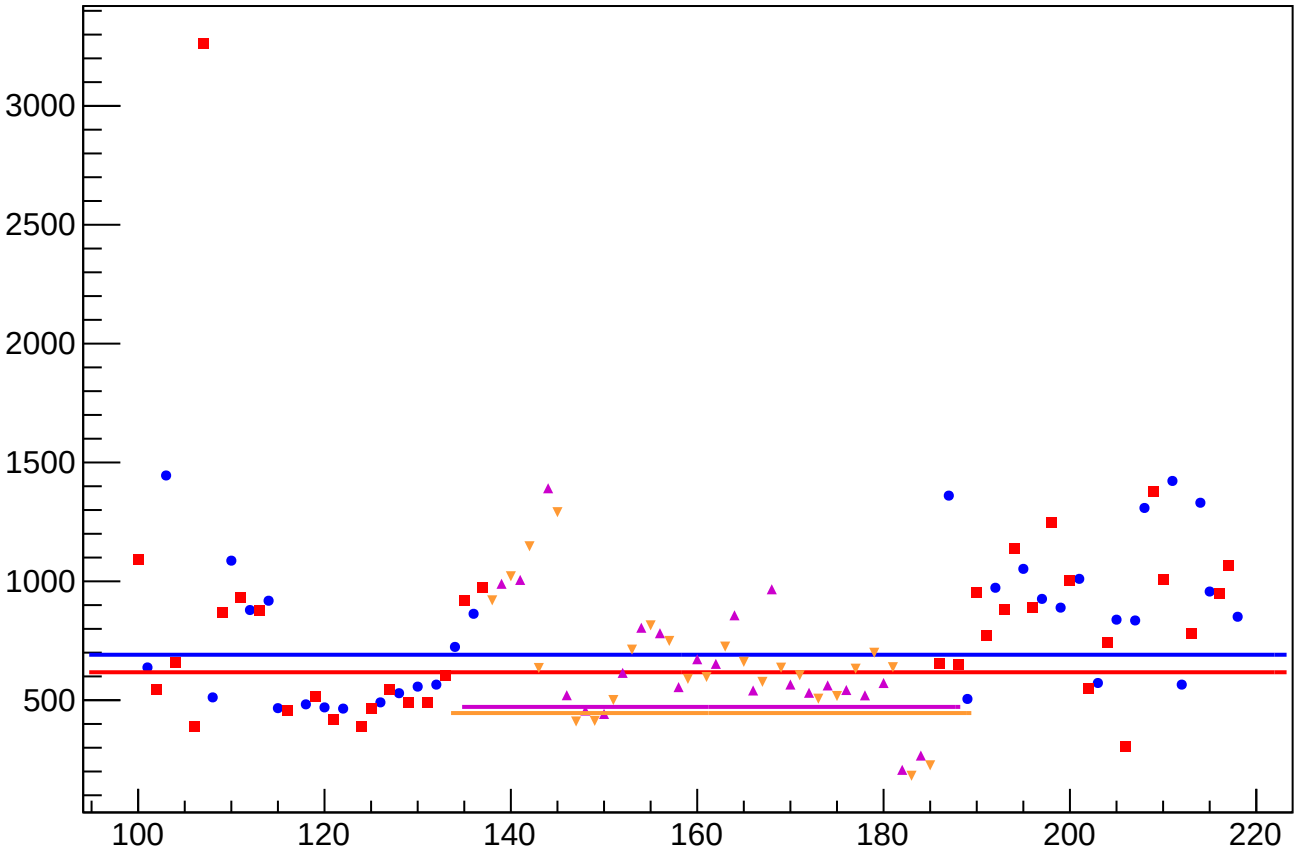
Right Out: -26.823+/-156.153 χ^2/NDF: 55.1/35

Left In: 49.310+/-122.694 χ^2/NDF:11.3/22

+ sign -158.692+/-94.941 χ^2/NDF: 81.9/56

All: -70.656+/-67.669 χ^2/NDF: 150.3/115

- sign 20.249+/-96.476 χ^2/NDF: 66.6/58



Right In: 691.152+/-0.118 χ^2/NDF: 4002869.9/31

Left Out: 445.867+/-0.082 χ^2/NDF:7983869.6/24

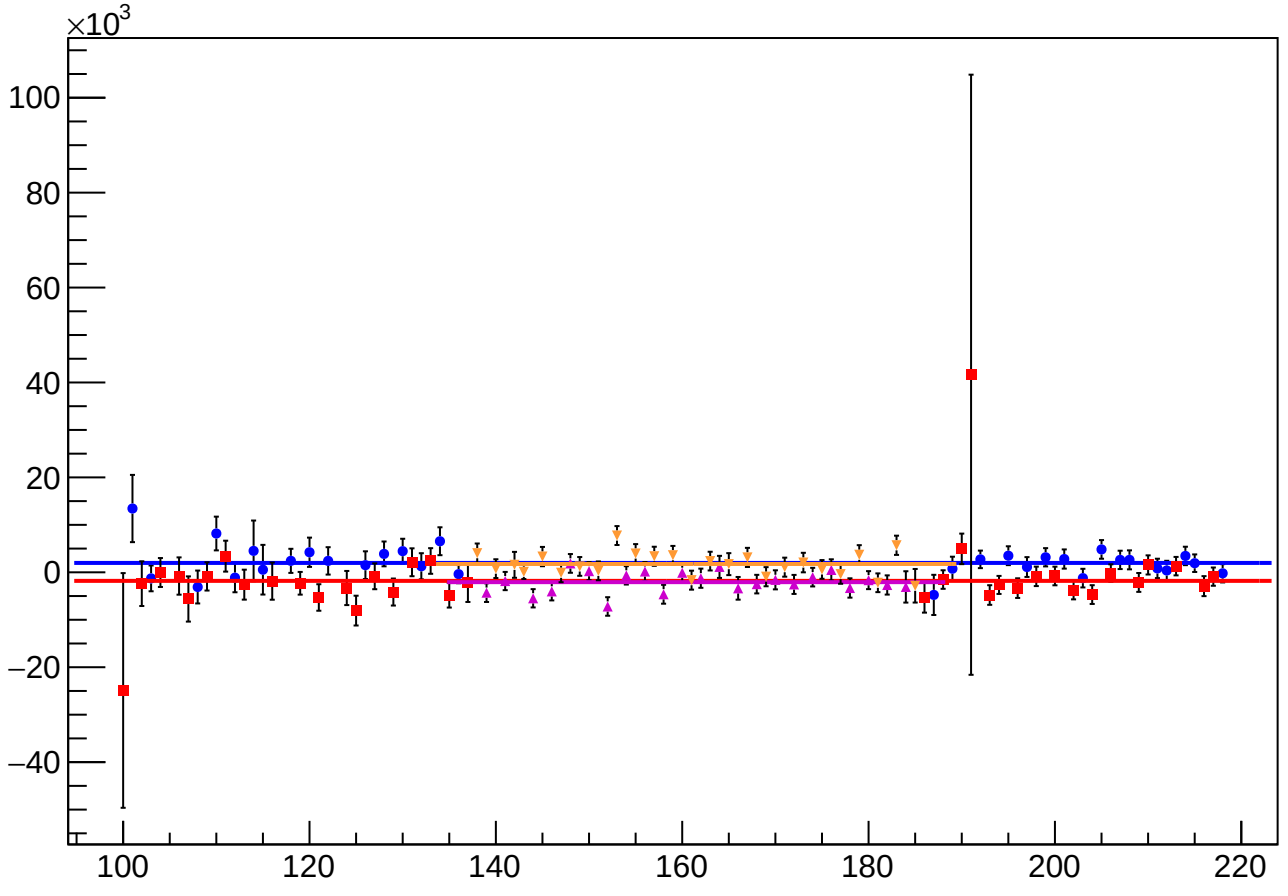
Right Out: 617.515+/-0.110 χ^2/NDF: 5376914.5/35

Left In: 471.757+/-0.087 χ^2/NDF:6413685.0/22

+ sign 524.818+/-0.067 χ^2/NDF: 14900572.4/56

All: 526.086+/-0.048 χ^2/NDF: 27769316.8/11

- sign 527.395+/-0.068 χ^2/NDF: 12868019.6/58



Right In: 1977.156+/-421.080 χ^2/NDF: 28.5/31

Left Out: 1755.493+/-405.401 χ^2/NDF:33.8/24

Right Out: -1803.792+/-421.924 χ^2/NDF: 36.1/35

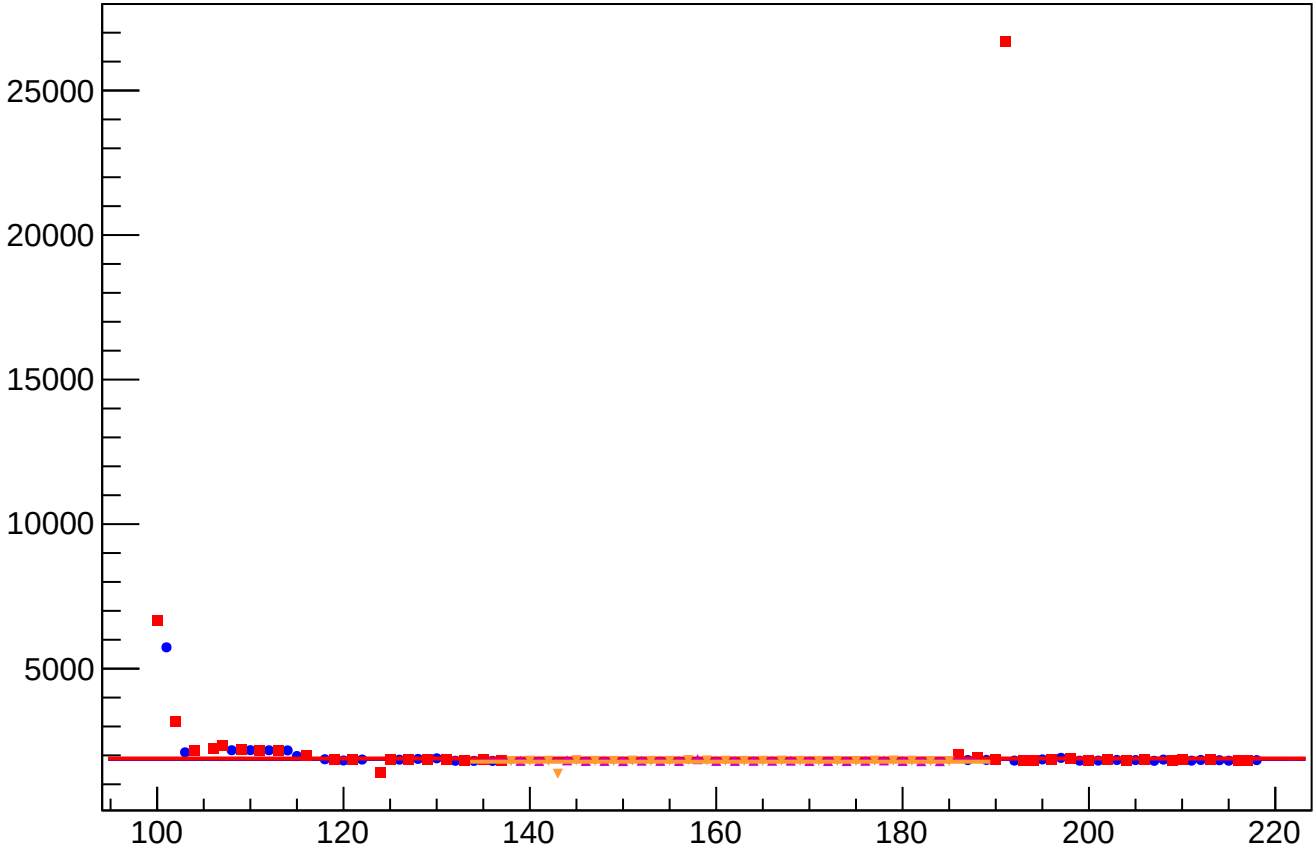
Left In: -2073.441+/-423.648 χ^2/NDF:27.0/22

+ sign 1862.121+/-292.047 χ^2/NDF: 62.5/56

All: 6.423+/-208.907 χ^2/NDF: 208.4/115

- sign -1938.066+/-298.953 χ^2/NDF: 63.3/58

dit_asym_at1_avg_rms vs Slug



Right In: 1876.855+/-0.298 χ^2/NDF: 684151.2/31

Left Out: 1780.913+/-0.287 χ^2/NDF:164936.9/24

Right Out: 1891.100+/-0.298 χ^2/NDF: 702785.5/35

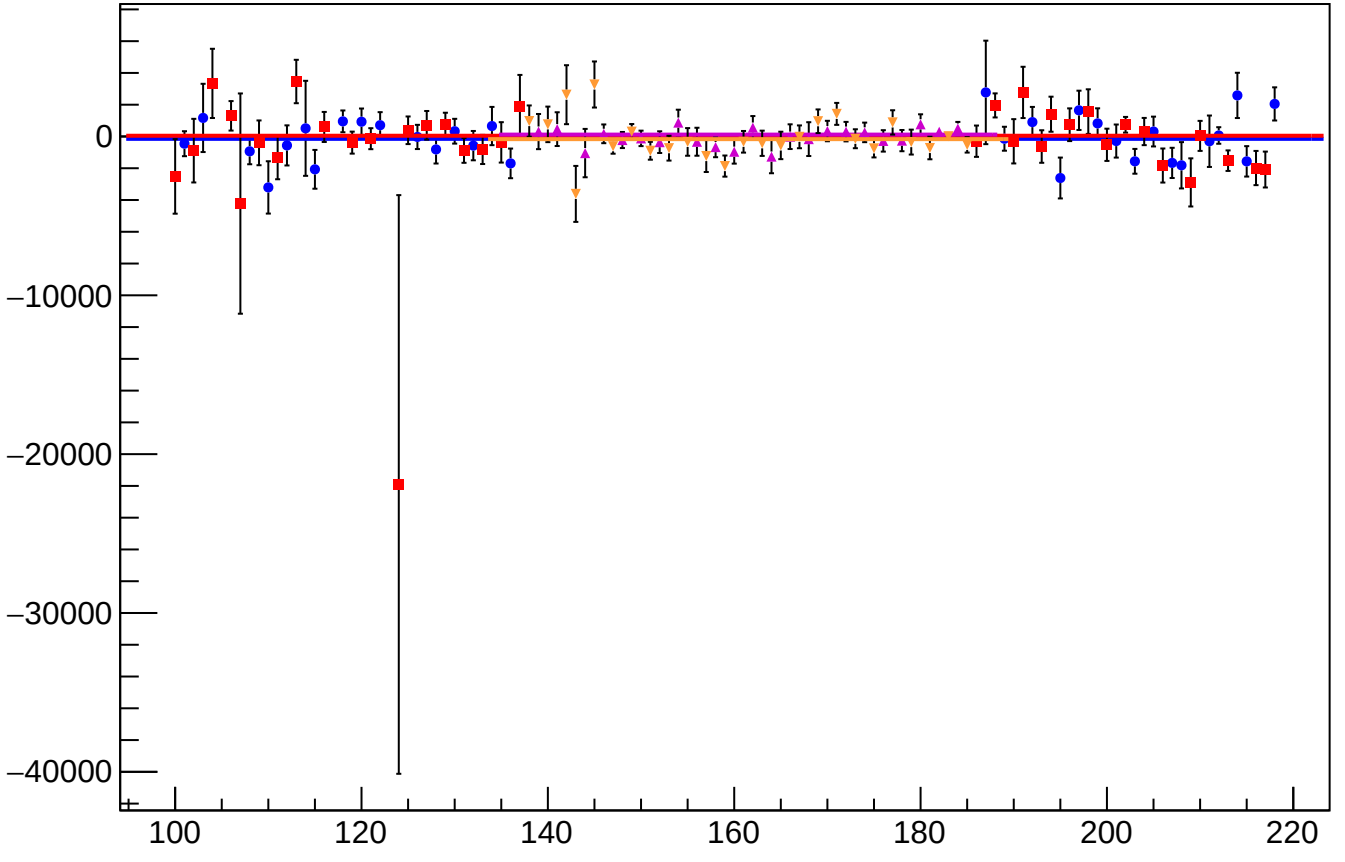
Left In: 1814.434+/-0.300 χ^2/NDF:2094.6/22

+ sign 1827.065+/-0.207 χ^2/NDF: 902970.9/56

All: 1839.692+/-0.148 χ^2/NDF: 1648389.6/11

- sign 1852.923+/-0.211 χ^2/NDF: 737762.0/58

asym_at1_avg_dit_correction_mean vs Slug



Right In: -149.855+/-169.061 χ^2/NDF: 44.0/31

Left Out: -167.909+/-121.628 χ^2/NDF:38.3/24

Right Out: 45.677+/-164.973 χ^2/NDF: 55.4/35

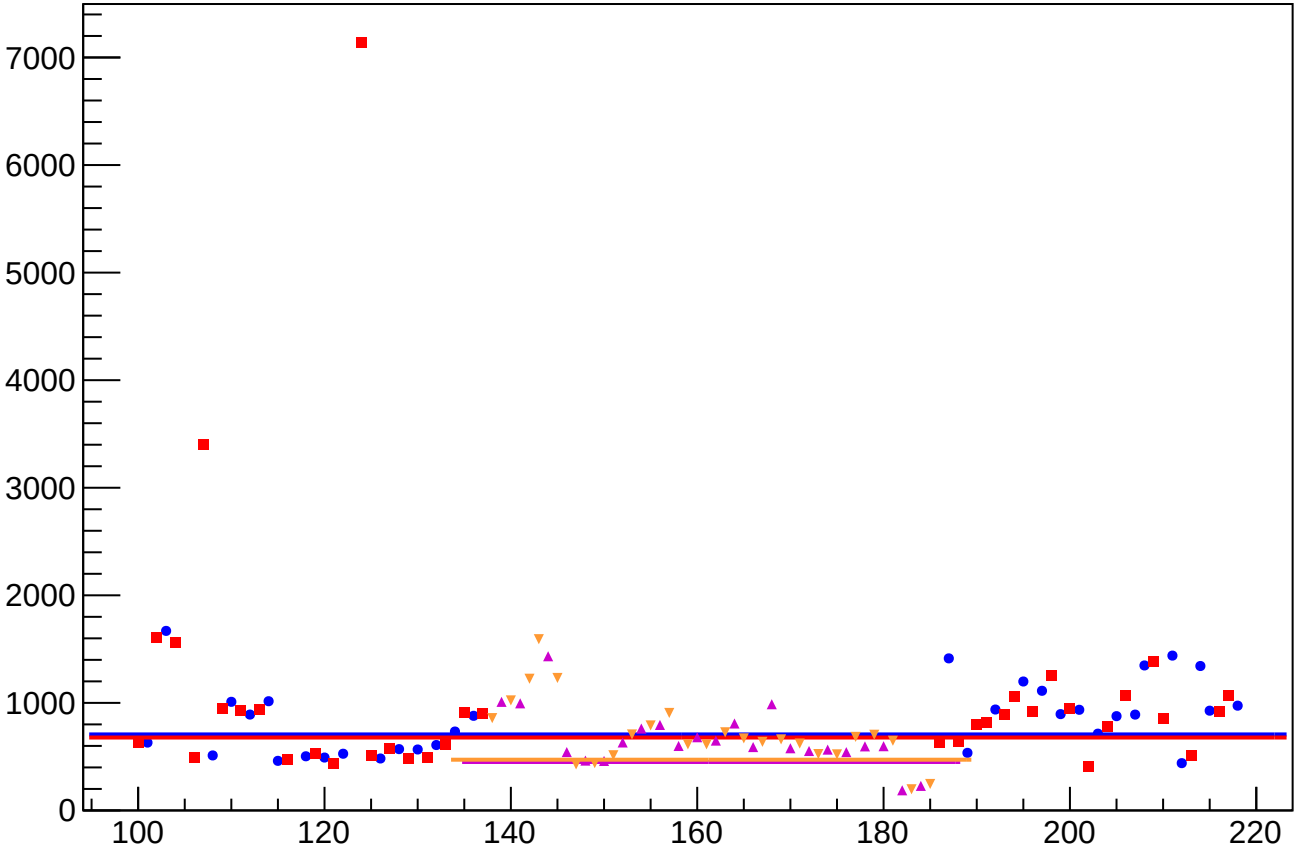
Left In: 117.211+/-119.772 χ^2/NDF:12.3/22

\+ sign -161.751+/-98.732 χ^2/NDF: 82.3/56

All: -32.263+/-69.165 χ^2/NDF: 153.5/115

\- sign 92.520+/-96.922 χ^2/NDF: 67.9/58

asym_at1_avg_dit_correction_rms vs Slug



Right In: 706.816+/-0.120 χ^2/NDF: 4626980.1/31

Left Out: 471.777+/-0.086 χ^2/NDF:8112666.9/24

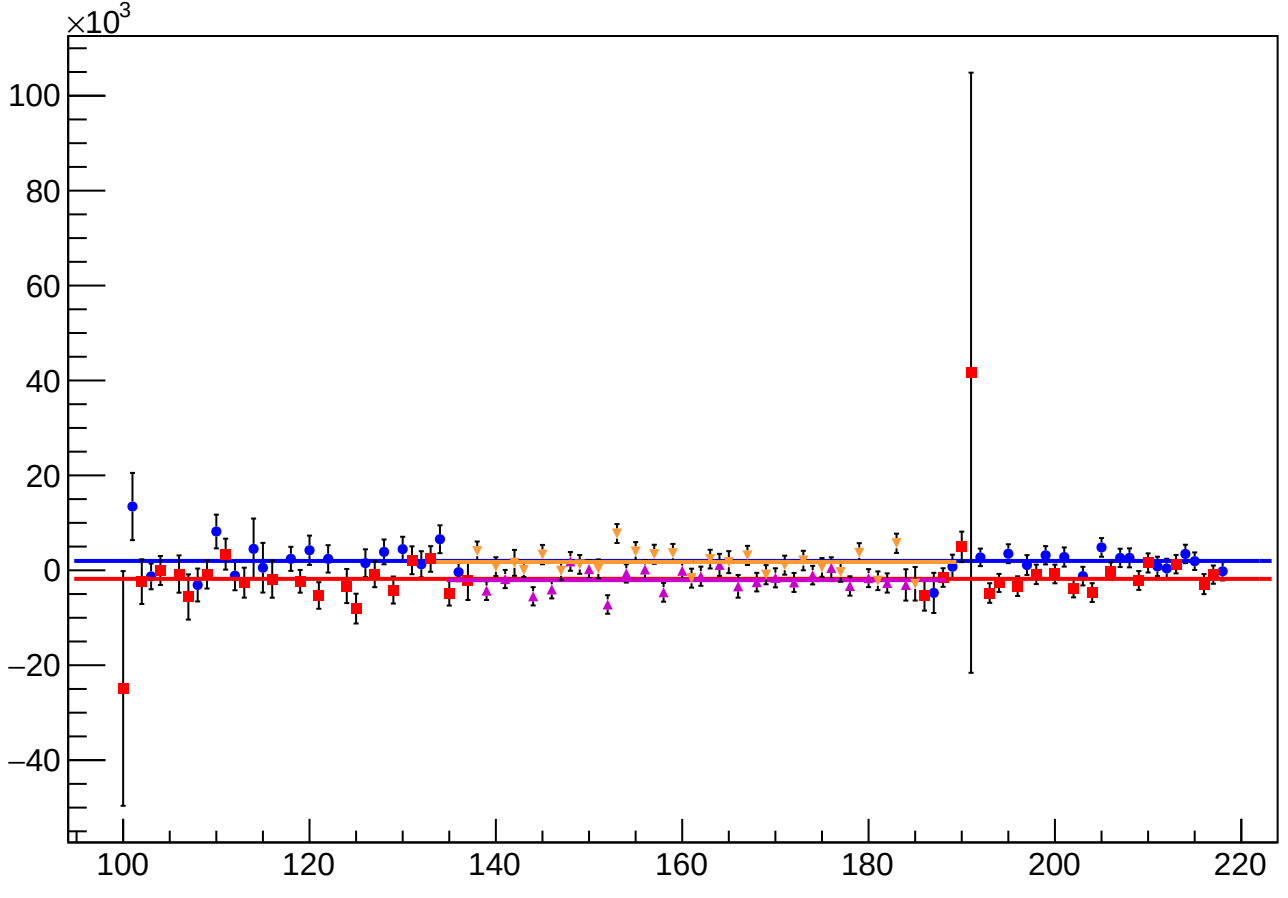
Right Out: 678.013+/-0.117 χ^2/NDF: 5361214.2/35

Left In: 450.652+/-0.085 χ^2/NDF:7928332.5/22

+ sign 551.939+/-0.070 χ^2/NDF: 15286877.9/56

All: 540.322+/-0.049 χ^2/NDF: 31118359.2/11

- sign 529.128+/-0.069 χ^2/NDF: 15777114.3/58



Right In: 1977.155+/-421.080 χ^2/NDF: 28.5/31

Left Out: 1755.493+/-405.401 χ^2/NDF:33.8/24

Right Out: -1803.791+/-421.924 χ^2/NDF: 36.1/35

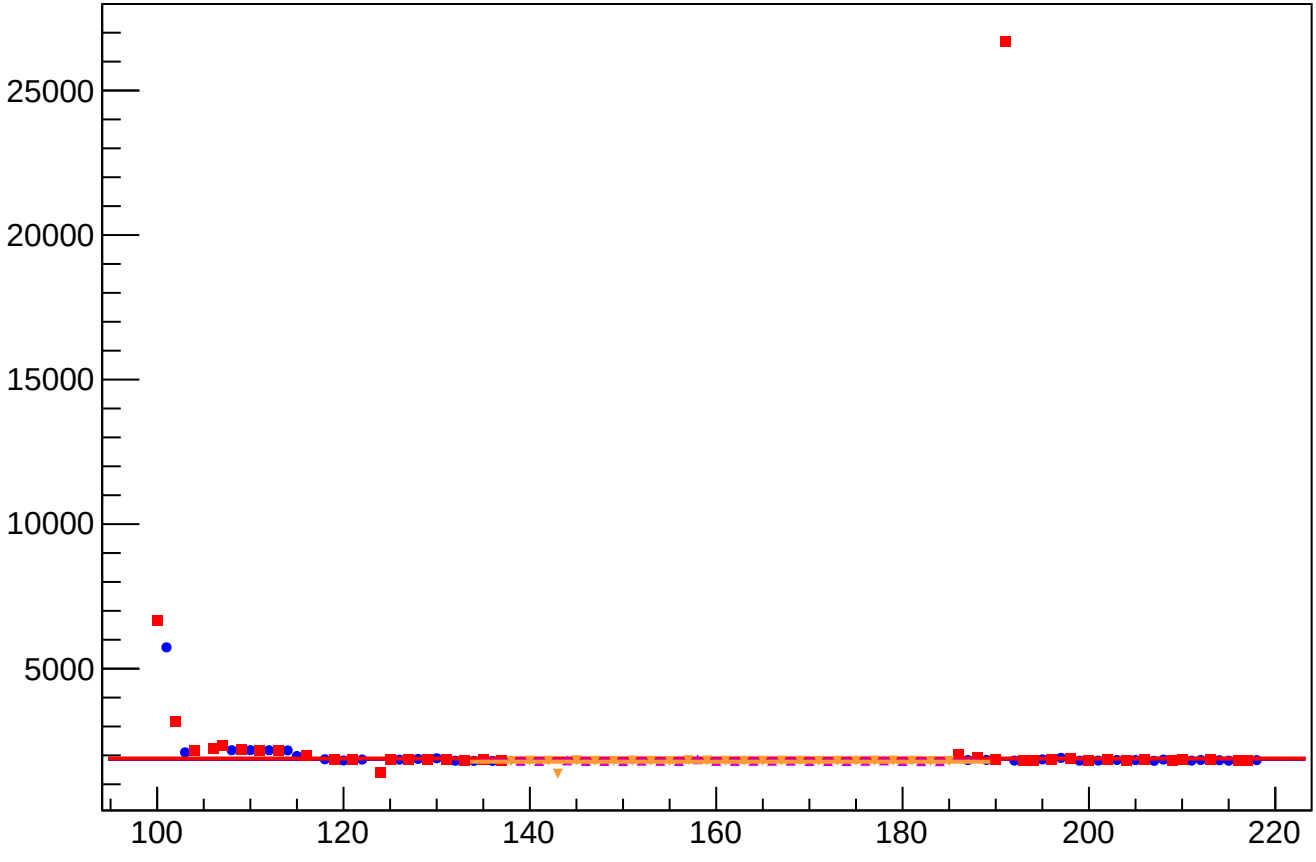
Left In: -2073.441+/-423.648 χ^2/NDF:27.0/22

+ sign 1862.121+/-292.047 χ^2/NDF: 62.5/56

All: 6.423+/-208.907 χ^2/NDF: 208.4/115

- sign -1938.066+/-298.953 χ^2/NDF: 63.3/58

eigen_dit_asym_at1_avg_rms vs Slug



Right In: 1876.854+/-0.298 χ^2/NDF: 684150.8/31

Left Out: 1780.913+/-0.287 χ^2/NDF:164936.9/24

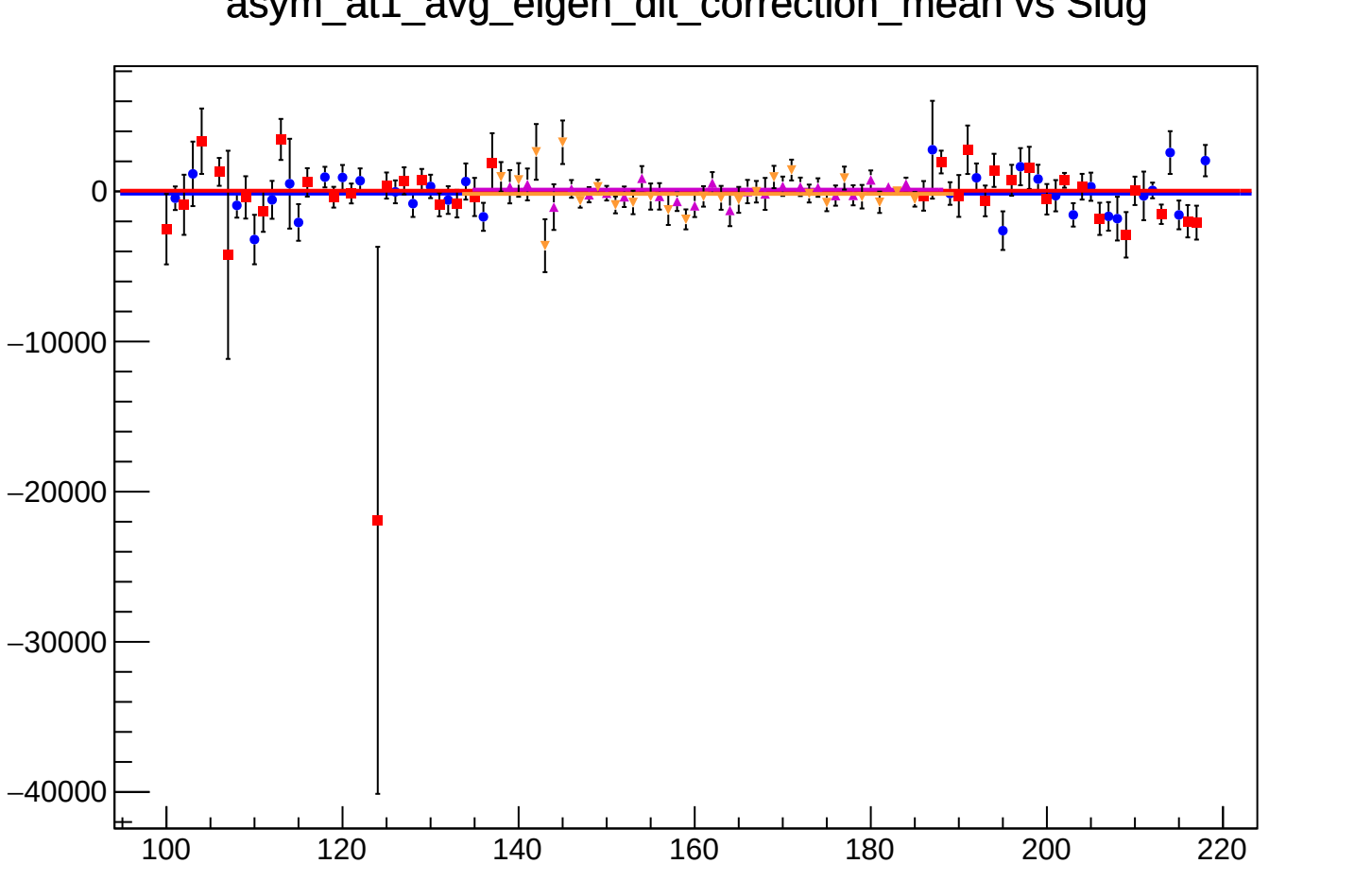
Right Out: 1891.100+/-0.298 χ^2/NDF: 702784.1/35

Left In: 1814.434+/-0.300 χ^2/NDF:2094.6/22

+ sign 1827.064+/-0.207 χ^2/NDF: 902970.4/56

All: 1839.692+/-0.148 χ^2/NDF: 1648387.6/11

- sign 1852.923+/-0.211 χ^2/NDF: 737760.5/58



Right In: -149.855+/-169.061 χ^2/NDF: 44.0/31

Left Out: -167.909+/-121.629 χ^2/NDF:38.3/24

Right Out: 45.677+/-164.973 χ^2/NDF: 55.4/35

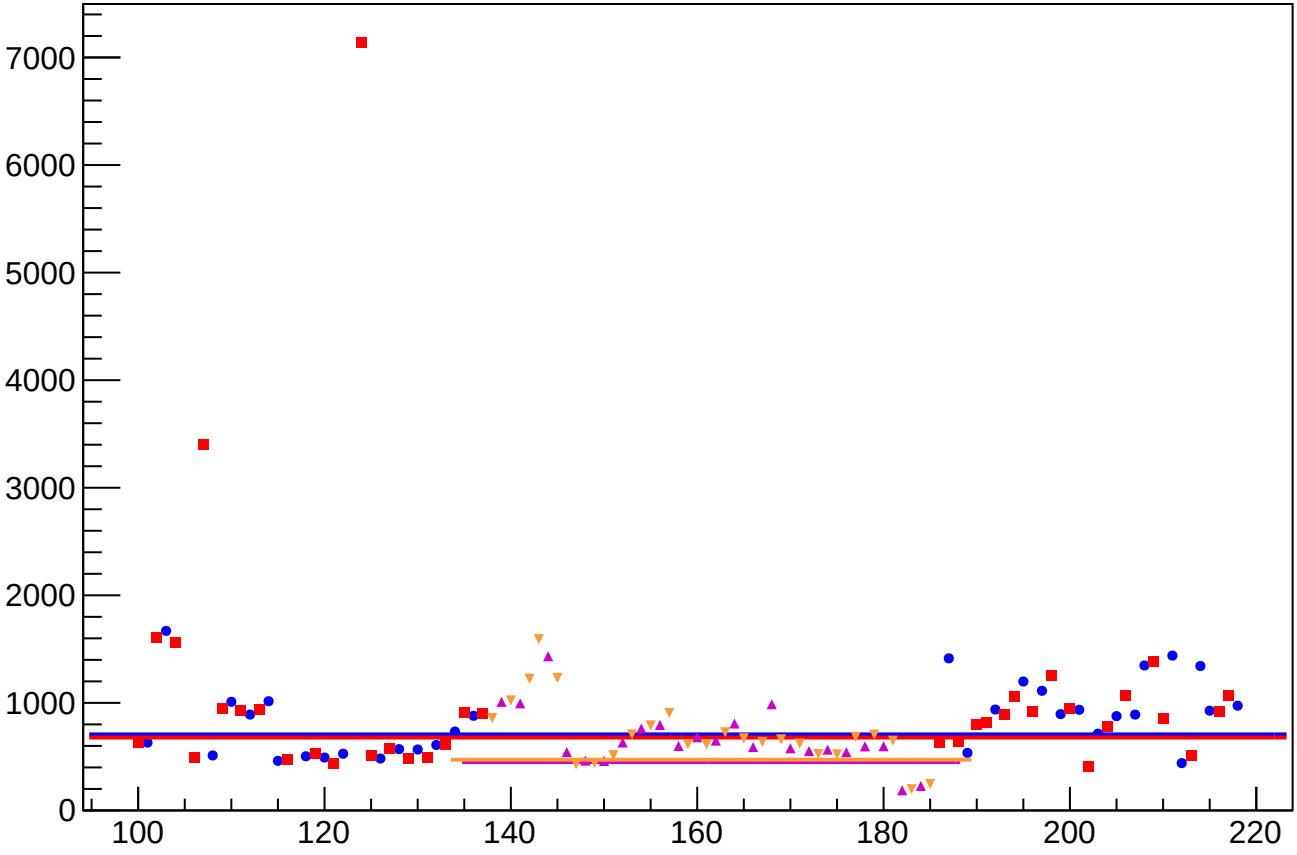
Left In: 117.211+/-119.772 χ^2/NDF:12.3/22

+ sign -161.752+/-98.732 χ^2/NDF: 82.3/56

All: -32.263+/-69.165 χ^2/NDF: 153.5/115

- sign 92.520+/-96.922 χ^2/NDF: 67.9/58

asym_at1_avg_eigen_dit_correction_rms vs Slug



Right In: 706.815+/-0.120 χ^2/NDF: 4627013.8/31

Left Out: 471.778+/-0.086 χ^2/NDF:8112665.9/24

Right Out: 678.013+/-0.117 χ^2/NDF: 5361232.1/35

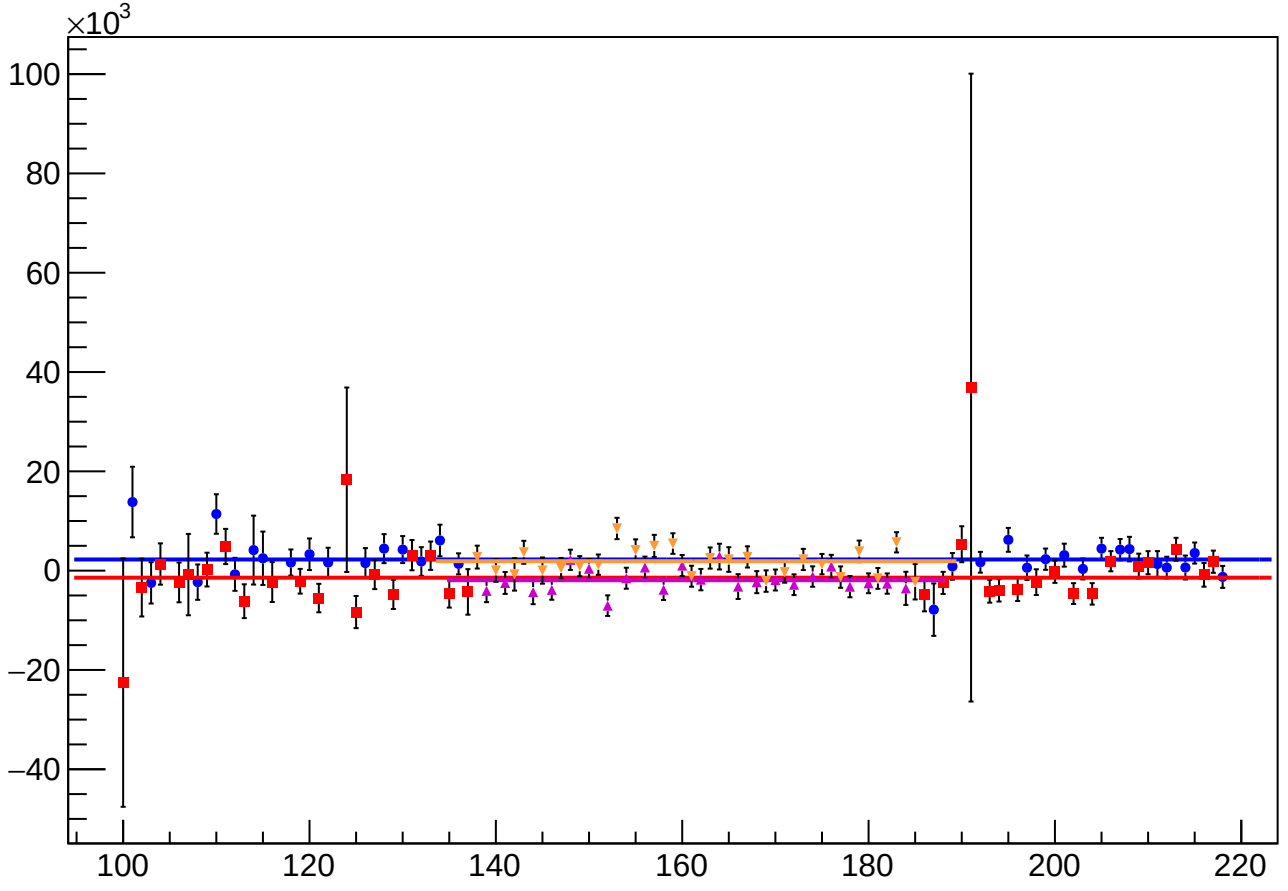
Left In: 450.653+/-0.085 χ^2/NDF:7928317.5/22

+ sign 551.939+/-0.070 χ^2/NDF: 15286884.3/56

All: 540.323+/-0.049 χ^2/NDF: 31118344.2/11

- sign 529.129+/-0.069 χ^2/NDF: 15777094.6/58

asym_at1_avg_mean vs Slug



Right In: 2248.810+/-474.604 χ^2/NDF: 29.5/31

Left Out: 1907.369+/-443.523 χ^2/NDF:36.3/24

Right Out: -1419.464+/-478.722 χ^2/NDF: 49.3/35

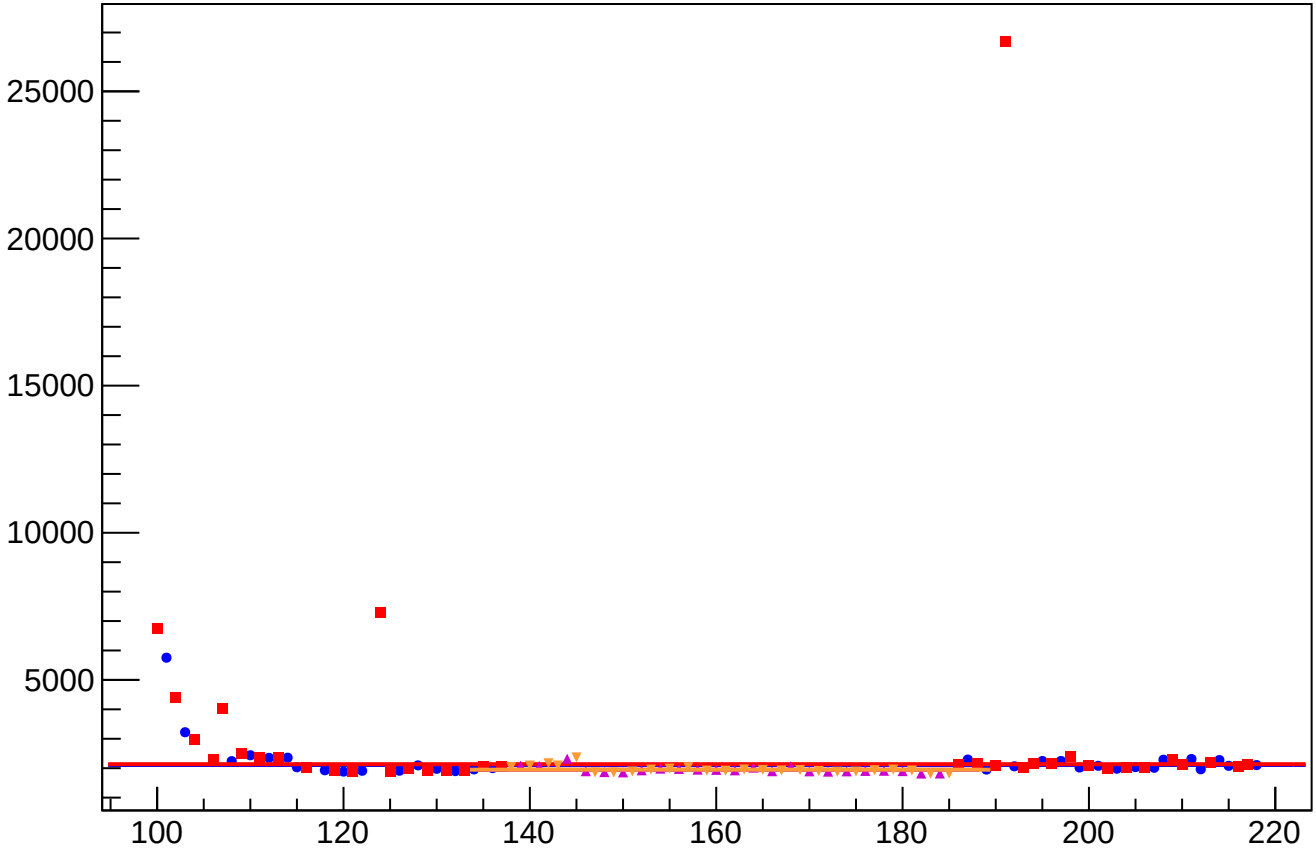
Left In: -1926.570+/-454.880 χ^2/NDF:24.8/22

+ sign 2066.544+/-324.049 χ^2/NDF: 66.0/56

All: 223.039+/-231.128 χ^2/NDF: 206.6/115

- sign -1685.959+/-329.755 χ^2/NDF: 74.7/58

asym_at1_avg_rms vs Slug



Right In: 2109.095+/-0.336 χ^2/NDF: 840760.7/31

Left Out: 1949.001+/-0.314 χ^2/NDF:108523.9/24

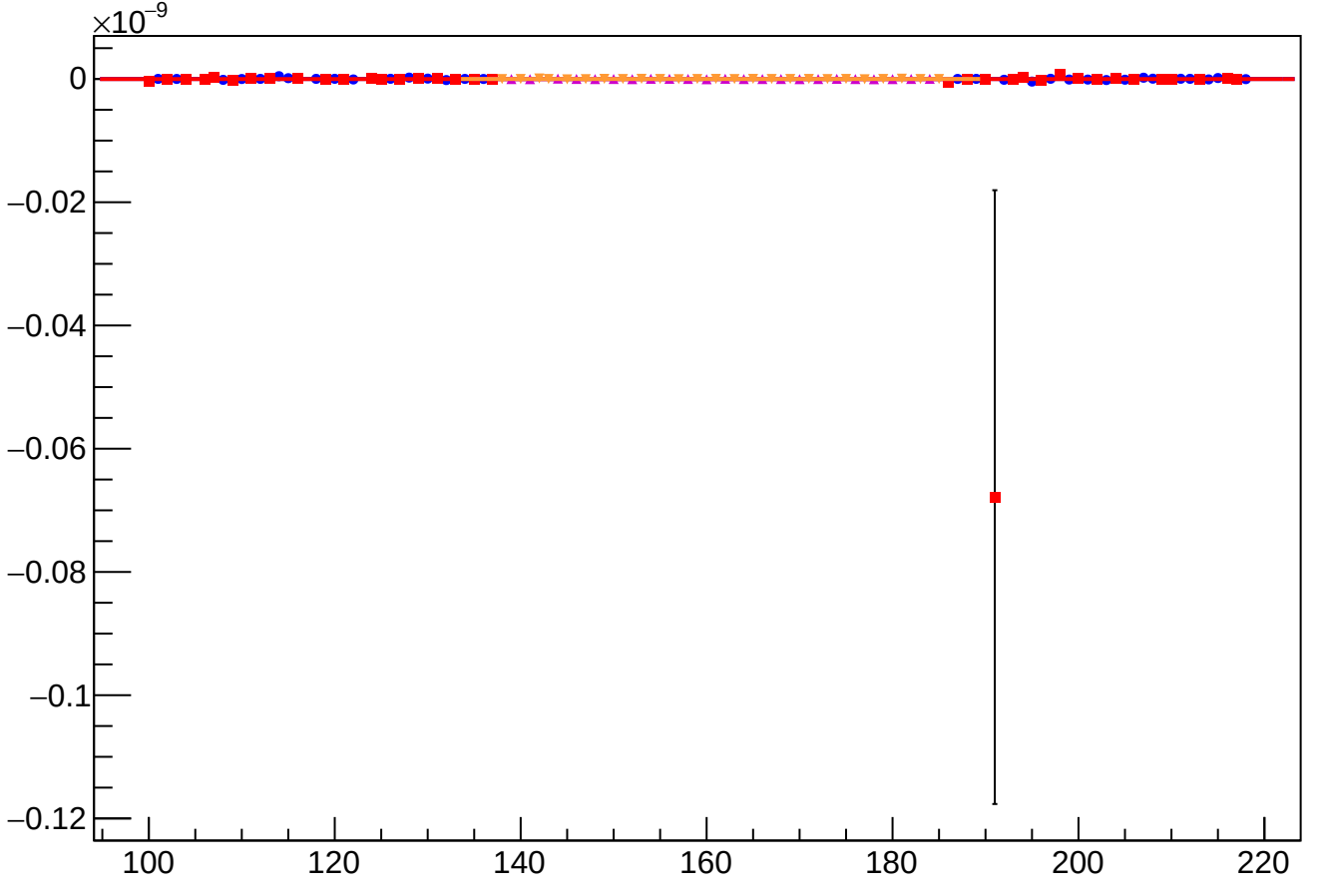
Right Out: 2135.739+/-0.339 χ^2/NDF: 1189834.4/35

Left In: 1945.132+/-0.322 χ^2/NDF:95954.5/22

+ sign 2023.635+/-0.229 χ^2/NDF: 1070764.6/56

All: 2029.499+/-0.163 χ^2/NDF: 2524508.9/11

- sign 2035.571+/-0.233 χ^2/NDF: 1452411.1/58



Right In: 0.000+/-0.000 χ^2/NDF: 35.8/31

Left Out: 0.000+/-0.000 χ^2/NDF:28.7/24

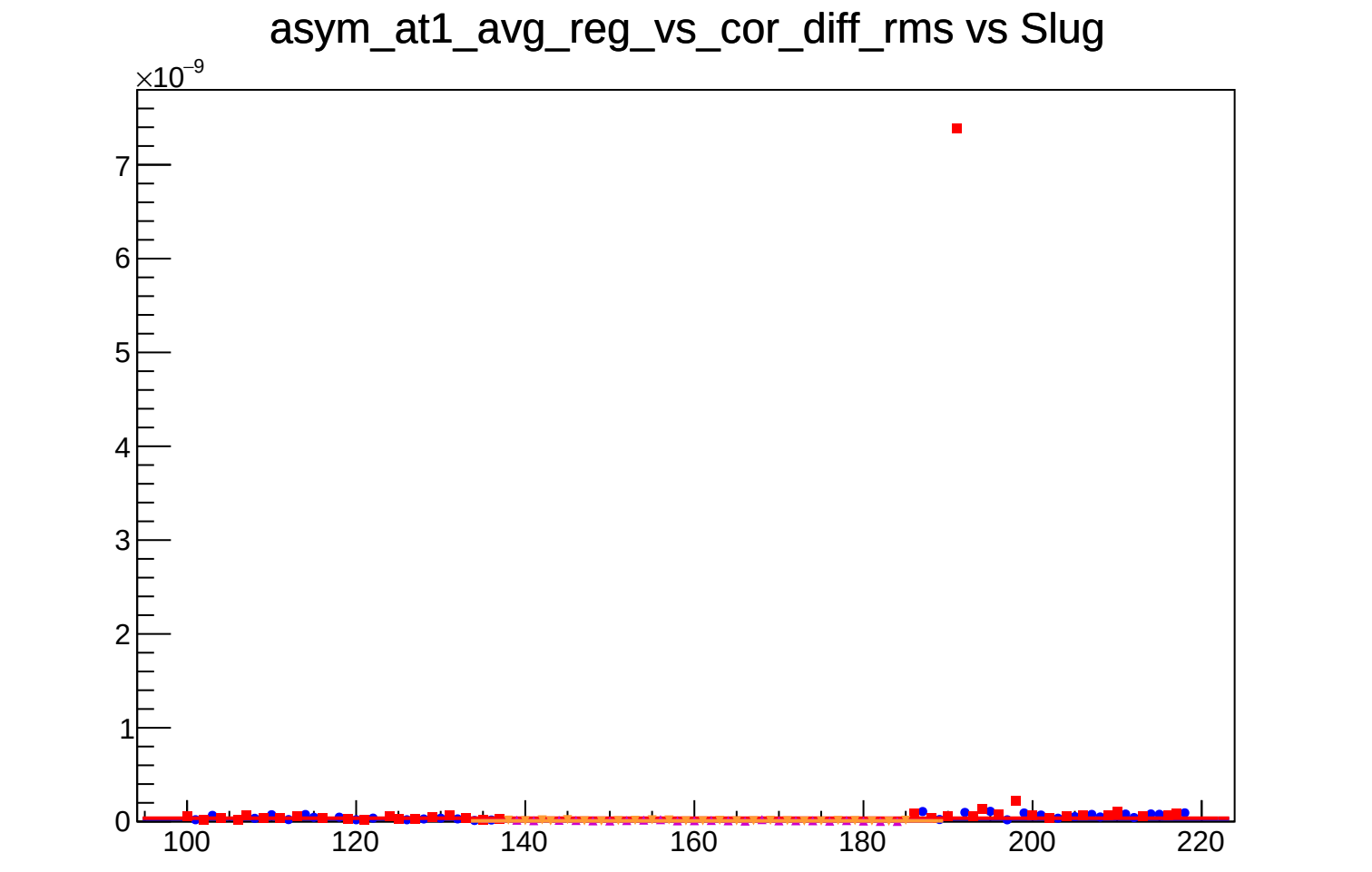
Right Out: -0.000+/-0.000 χ^2/NDF: 31.5/35

Left In: 0.000+/-0.000 χ^2/NDF:31.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 64.7/56

All: 0.000+/-0.000 χ^2/NDF: 128.8/115

- sign 0.000+/-0.000 χ^2/NDF: 63.9/58



Right In: 0.000+/-0.000 χ^2/NDF: 5035489.8/31

Left Out: 0.000+/-0.000 χ^2/NDF:2160933.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4147294.8/35

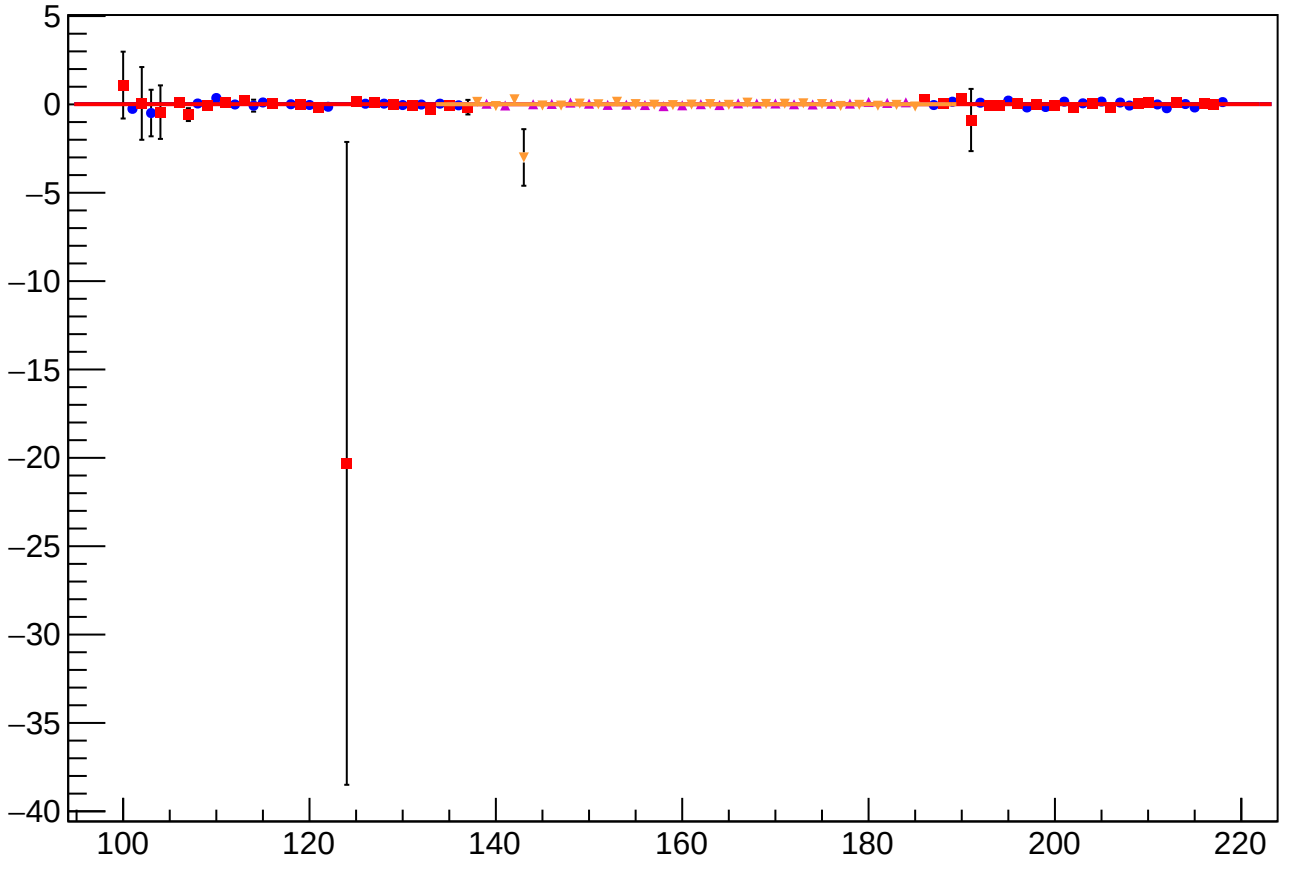
Left In: 0.000+/-0.000 χ^2/NDF:2613869.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 12478851.4/56

All: 0.000+/-0.000 χ^2/NDF: 25830510.3/115

- sign 0.000+/-0.000 χ^2/NDF: 13350530.4/58

asym_at1_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.021+/-0.018 χ^2/NDF: 33.9/31

Left Out: 0.011+/-0.012 χ^2/NDF:29.6/24

Right Out: 0.013+/-0.018 χ^2/NDF: 31.8/35

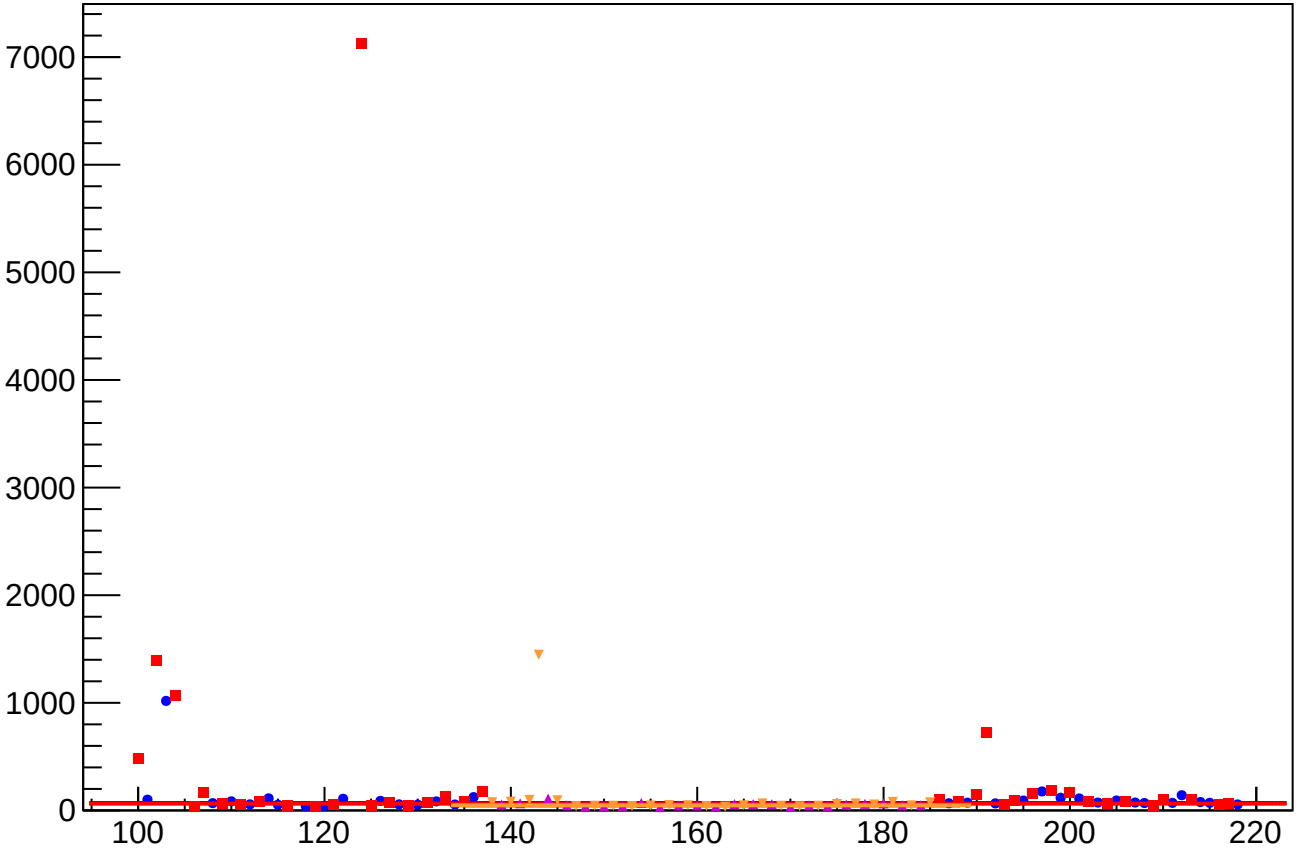
Left In: 0.018+/-0.012 χ^2/NDF:20.3/22

+ sign 0.014+/-0.010 χ^2/NDF: 63.7/56

All: 0.015+/-0.007 χ^2/NDF: 115.9/115

- sign 0.016+/-0.010 χ^2/NDF: 52.2/58

asym_at1_avg_dit_vs_cor_diff_rms vs Slug



Right In: 68.913+/-0.013 χ^2/NDF: 4308038.6/31

Left Out: 47.901+/-0.009 χ^2/NDF:3496596.6/24

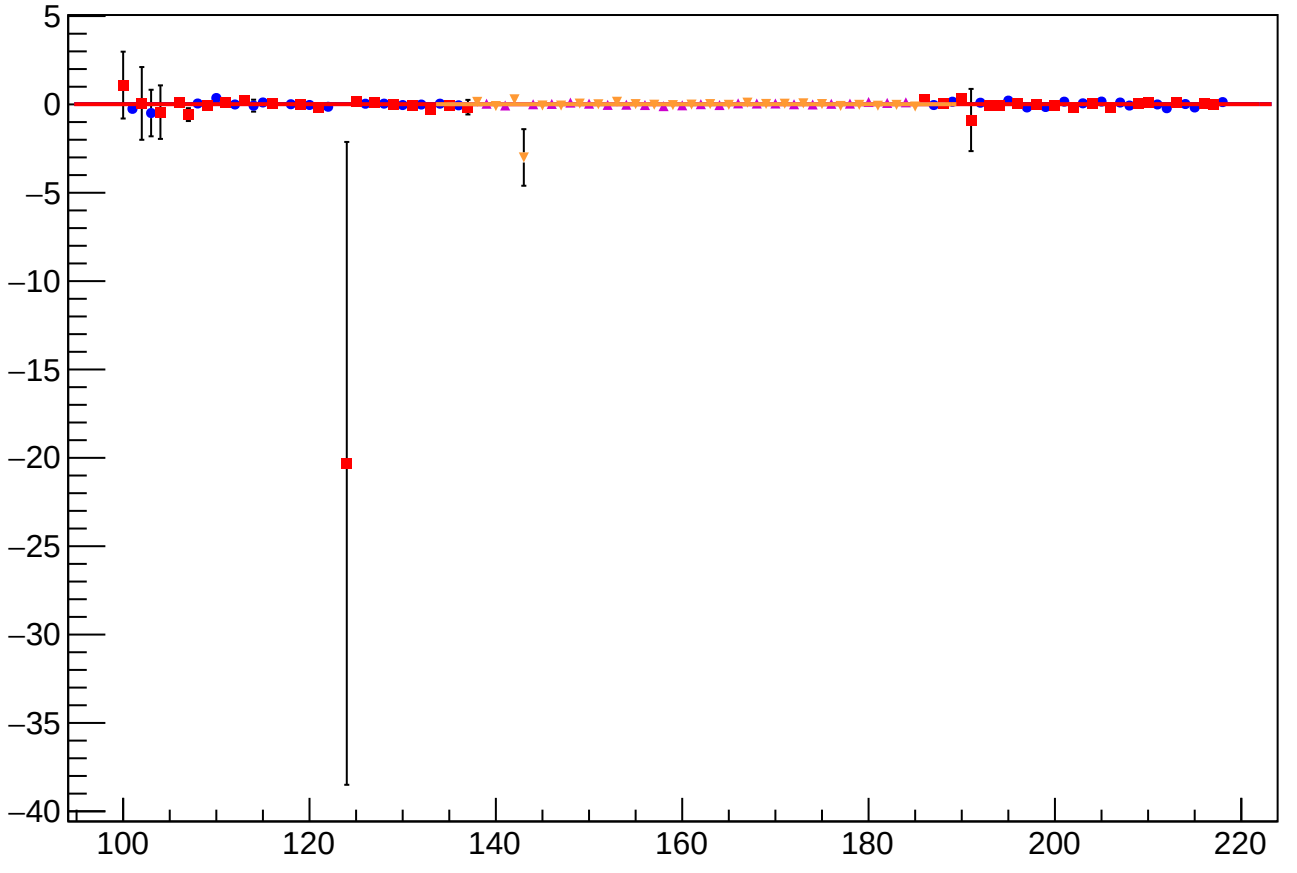
Right Out: 63.295+/-0.012 χ^2/NDF: 6795619.3/35

Left In: 46.786+/-0.009 χ^2/NDF:1949486.1/22

+ sign 54.589+/-0.007 χ^2/NDF: 9620132.4/56

All: 53.353+/-0.005 χ^2/NDF: 19605318.8/115

- sign 52.168+/-0.007 χ^2/NDF: 9928484.8/58



Right In: 0.021+/-0.018 χ^2/NDF: 33.9/31

Left Out: 0.011+/-0.012 χ^2/NDF:29.6/24

Right Out: 0.013+/-0.018 χ^2/NDF: 31.8/35

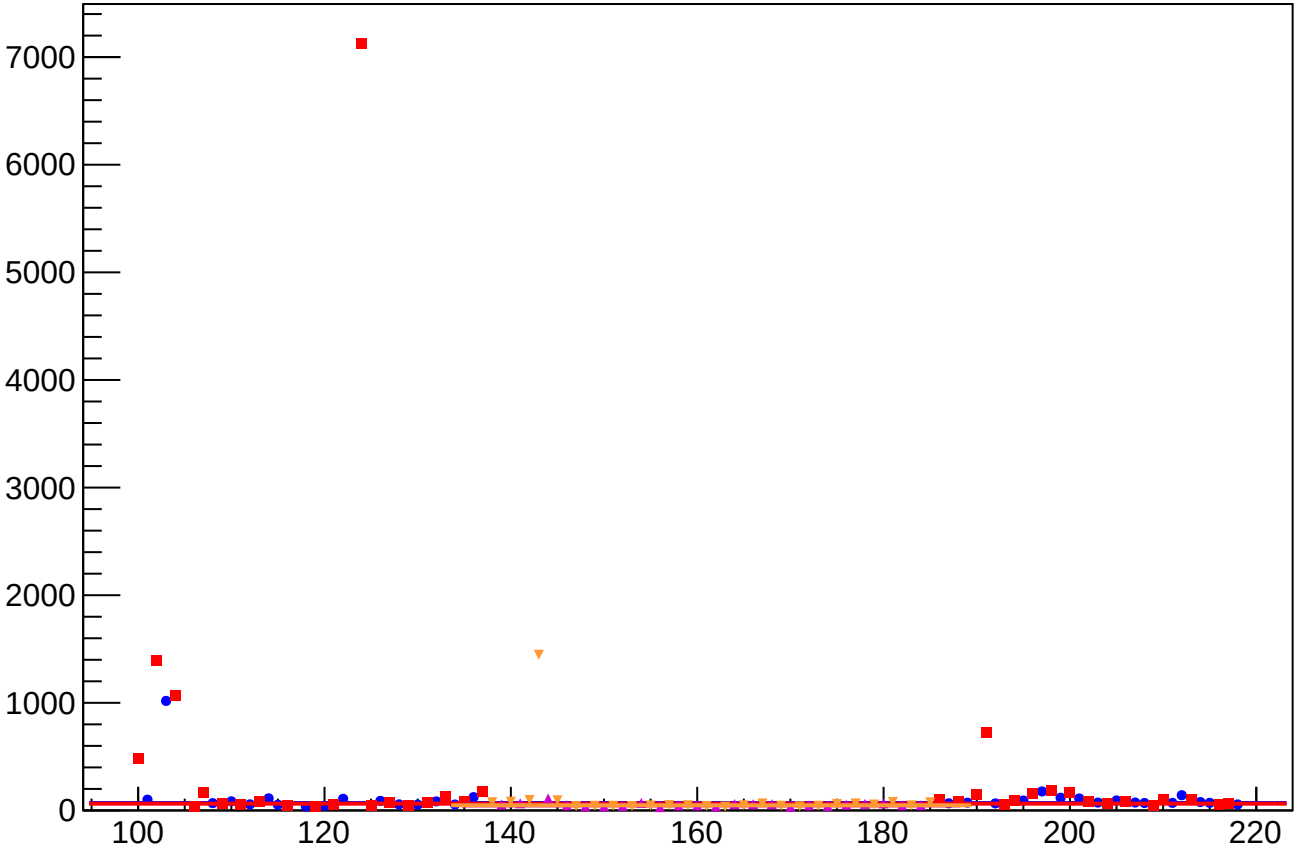
Left In: 0.018+/-0.012 χ^2/NDF:20.3/22

+ sign 0.014+/-0.010 χ^2/NDF: 63.7/56

All: 0.015+/-0.007 χ^2/NDF: 115.9/115

- sign 0.016+/-0.010 χ^2/NDF: 52.2/58

asym_at1_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 68.913+/-0.013 χ^2/NDF: 4308038.6/31

Left Out: 47.901+/-0.009 χ^2/NDF:3496596.6/24

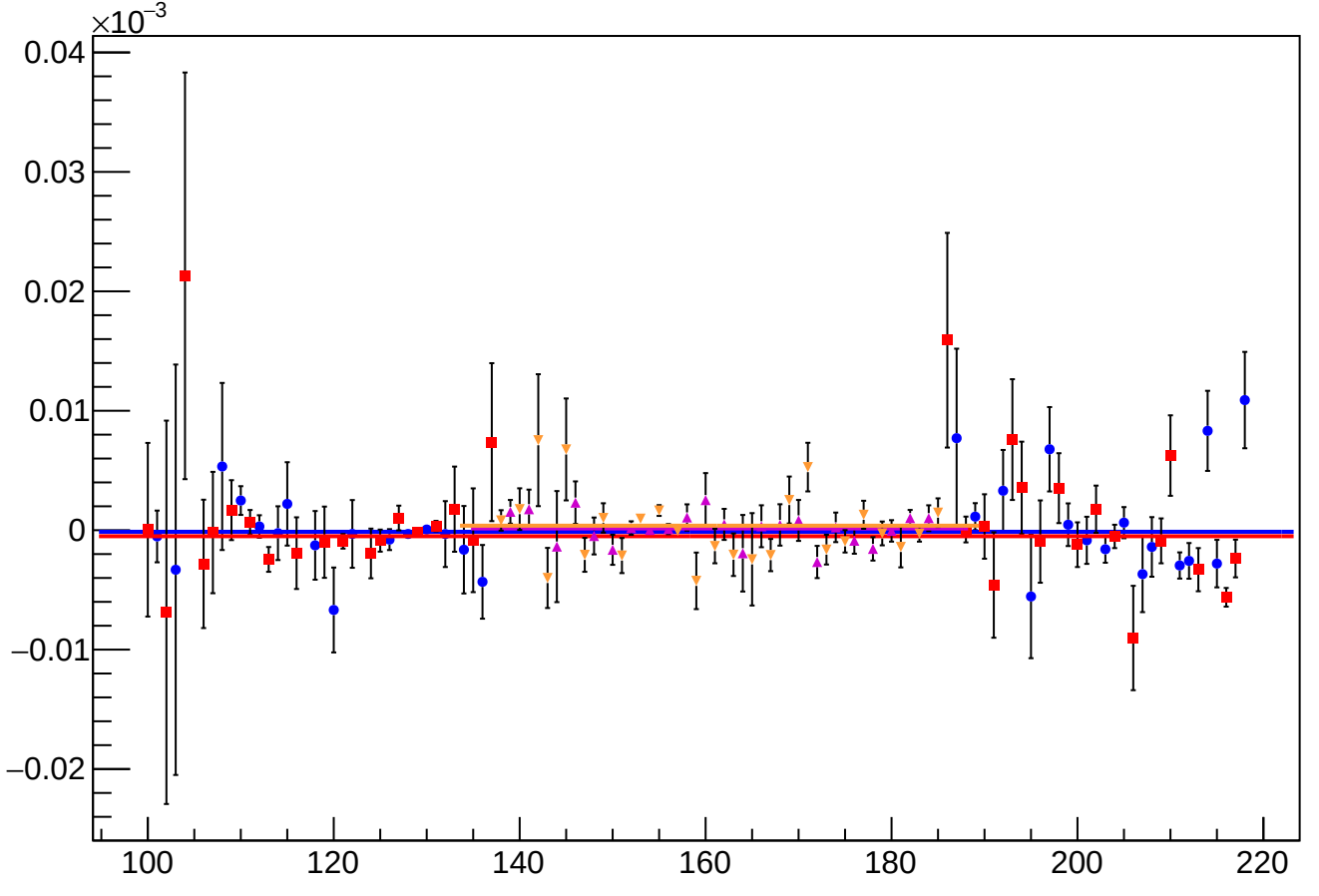
Right Out: 63.295+/-0.012 χ^2/NDF: 6795619.3/35

Left In: 46.786+/-0.009 χ^2/NDF:1949486.1/22

+ sign 54.589+/-0.007 χ^2/NDF: 9620132.4/56

All: 53.353+/-0.005 χ^2/NDF: 19605318.8/115

- sign 52.168+/-0.007 χ^2/NDF: 9928484.8/58



Right In: -0.000+/-0.000 χ^2/NDF: 49.9/31

Left Out: 0.000+/-0.000 χ^2/NDF:51.7/24

Right Out: -0.000+/-0.000 χ^2/NDF: 84.1/35

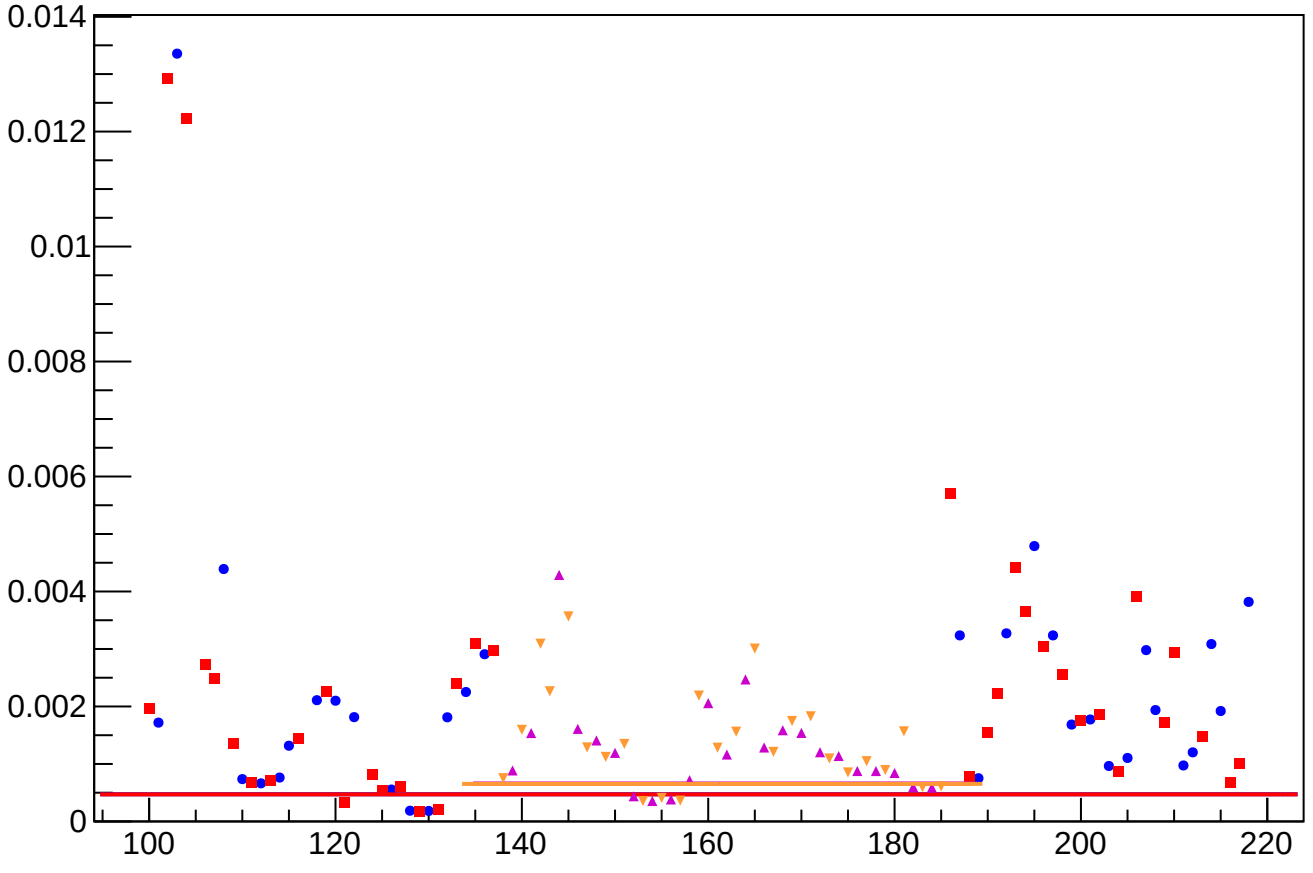
Left In: 0.000+/-0.000 χ^2/NDF:19.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 105.7/56

All: -0.000+/-0.000 χ^2/NDF: 219.1/115

- sign -0.000+/-0.000 χ^2/NDF: 110.3/58

asym_at1_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 23674785.5/31

Left Out: 0.001+/-0.000 χ^2/NDF:12083891.4/24

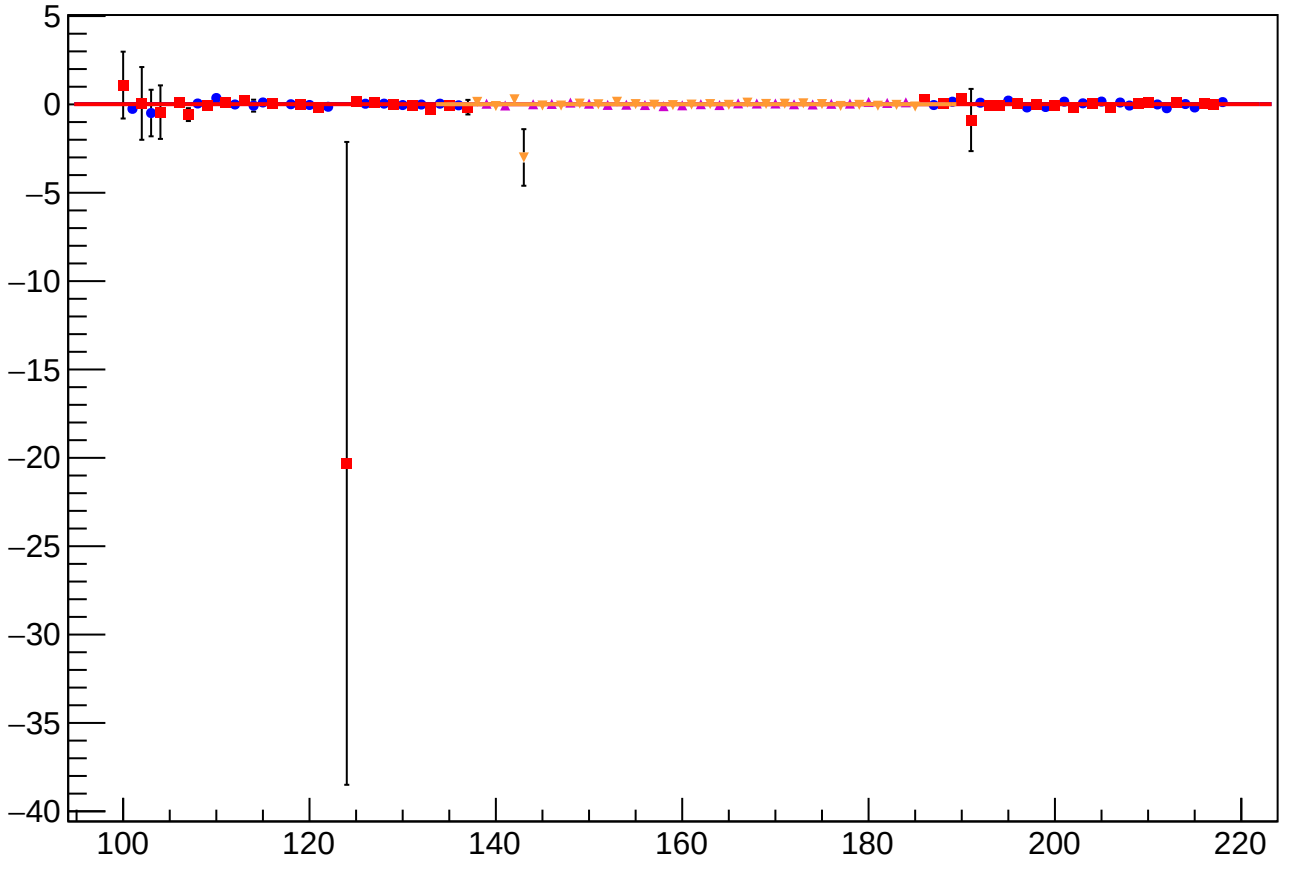
Right Out: 0.000+/-0.000 χ^2/NDF: 21895090.5/35

Left In: 0.001+/-0.000 χ^2/NDF:9695095.3/22

+ sign 0.001+/-0.000 χ^2/NDF: 36764178.3/56

All: 0.001+/-0.000 χ^2/NDF: 69446795.6/115

- sign 0.001+/-0.000 χ^2/NDF: 32682410.6/58



Right In: 0.021+/-0.018 χ^2/NDF: 33.9/31

Left Out: 0.011+/-0.012 χ^2/NDF:29.6/24

Right Out: 0.013+/-0.018 χ^2/NDF: 31.8/35

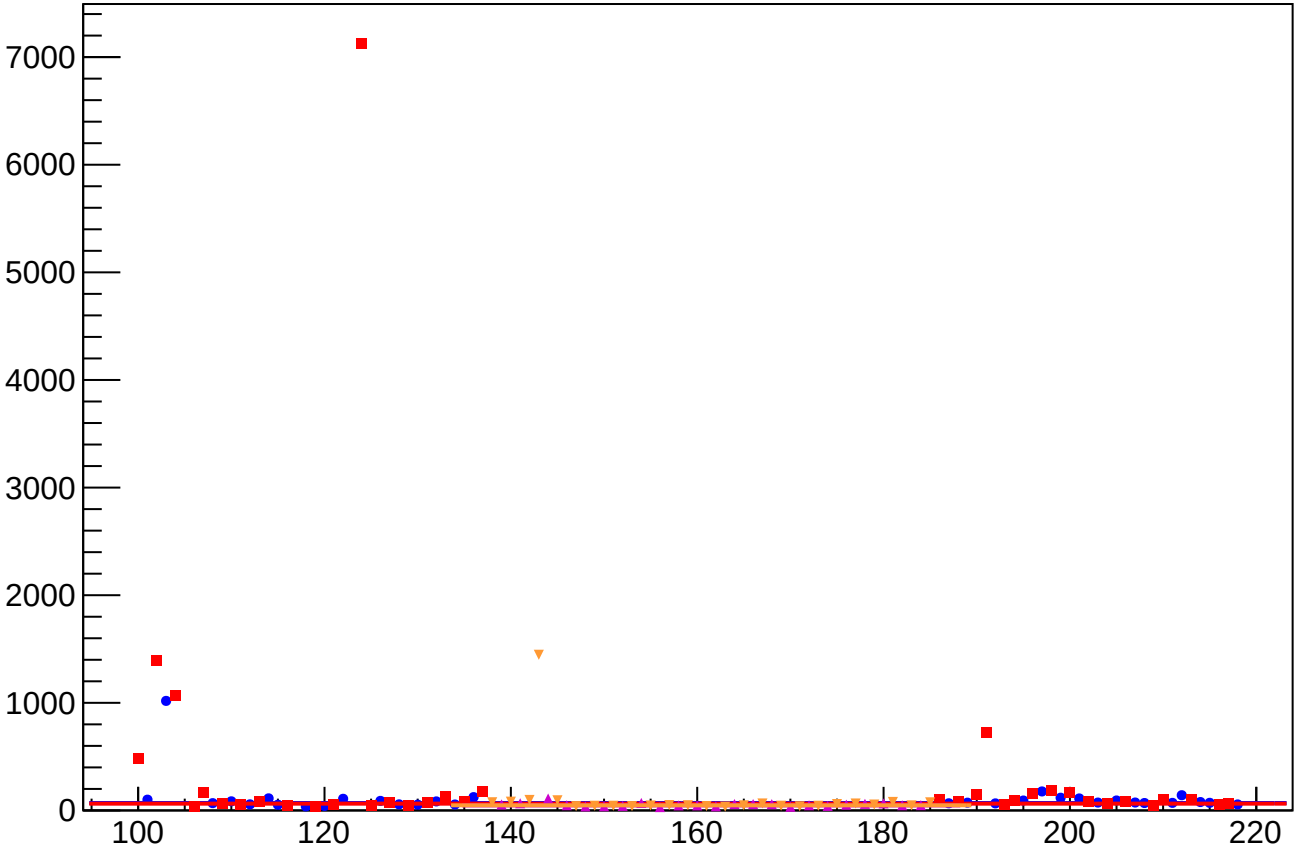
Left In: 0.018+/-0.012 χ^2/NDF:20.3/22

\+ sign 0.014+/-0.010 χ^2/NDF: 63.7/56

All: 0.015+/-0.007 χ^2/NDF: 115.9/115

\- sign 0.016+/-0.010 χ^2/NDF: 52.2/58

asym_at1_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 68.913+/-0.013 χ^2/NDF: 4308101.6/31

Left Out: 47.902+/-0.009 χ^2/NDF:3496571.8/24

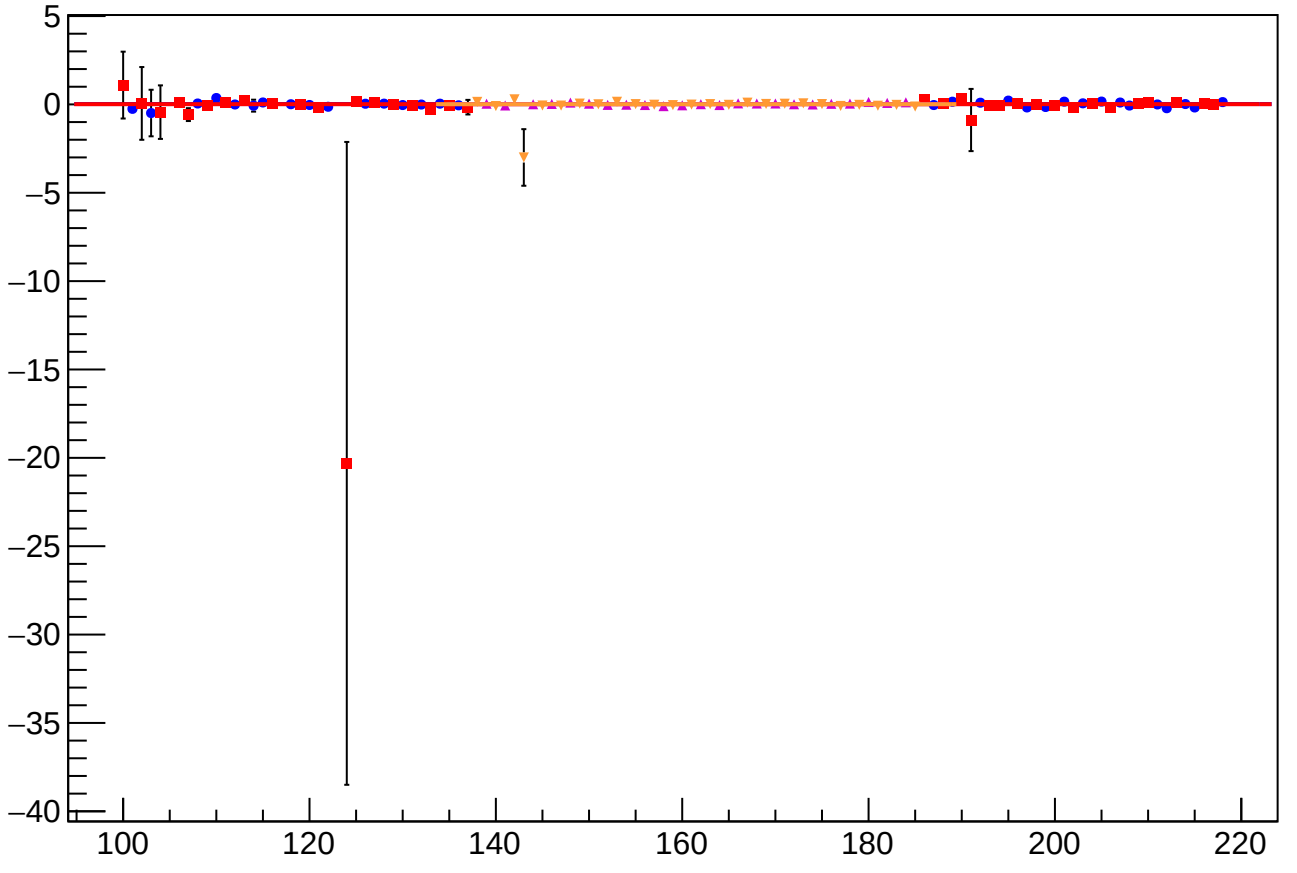
Right Out: 63.294+/-0.012 χ^2/NDF: 6795832.5/35

Left In: 46.786+/-0.009 χ^2/NDF:1949480.3/22

+ sign 54.589+/-0.007 χ^2/NDF: 9620154.8/56

All: 53.353+/-0.005 χ^2/NDF: 19605475.7/115

- sign 52.168+/-0.007 χ^2/NDF: 9928600.1/58



Right In: 0.021+/-0.018 χ^2/NDF: 33.9/31

Left Out: 0.011+/-0.012 χ^2/NDF:29.6/24

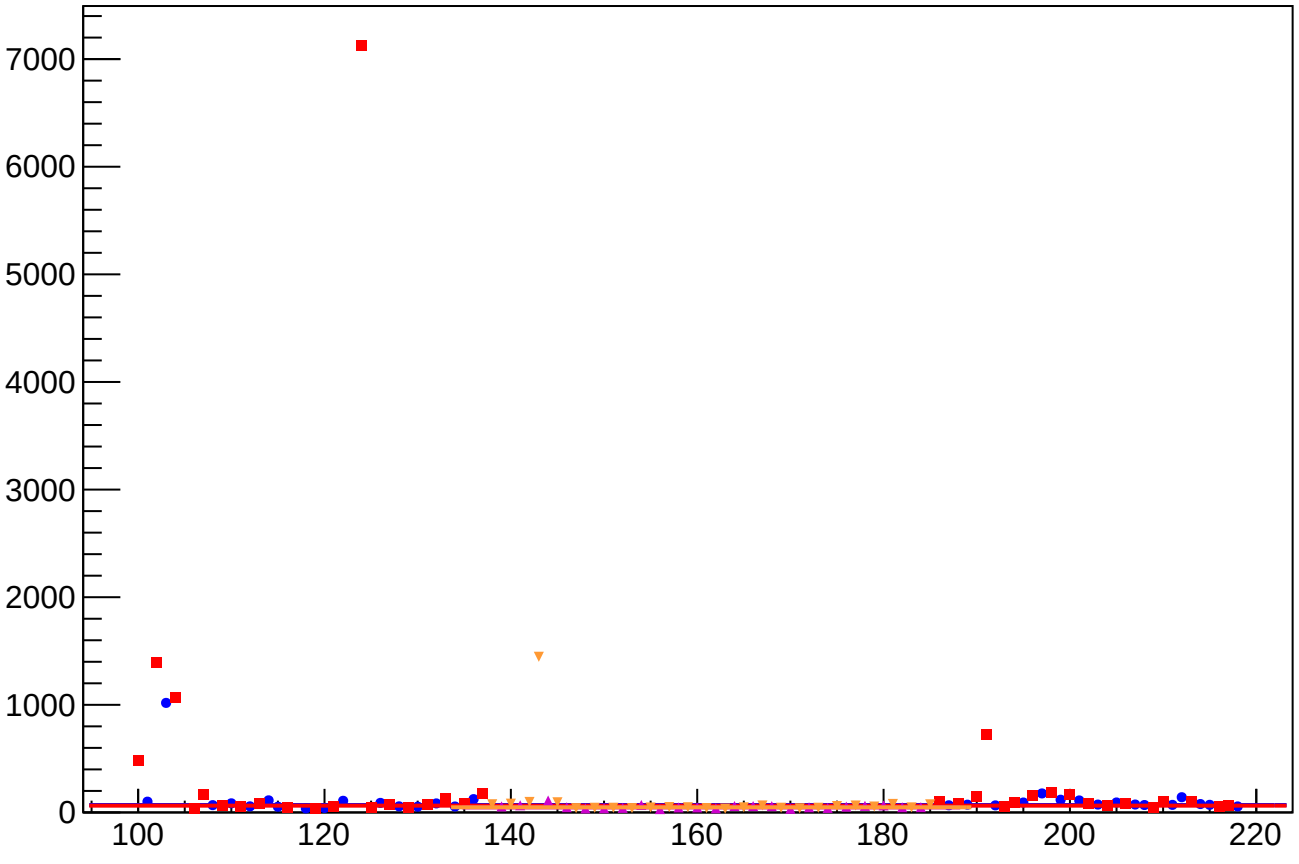
Right Out: 0.013+/-0.018 χ^2/NDF: 31.8/35

Left In: 0.018+/-0.012 χ^2/NDF:20.3/22

+ sign 0.014+/-0.010 χ^2/NDF: 63.7/56

All: 0.015+/-0.007 χ^2/NDF: 115.9/115

- sign 0.016+/-0.010 χ^2/NDF: 52.2/58



Right In: 68.913+/-0.013 χ^2/NDF: 4308101.6/31

Left Out: 47.902+/-0.009 χ^2/NDF:3496571.8/24

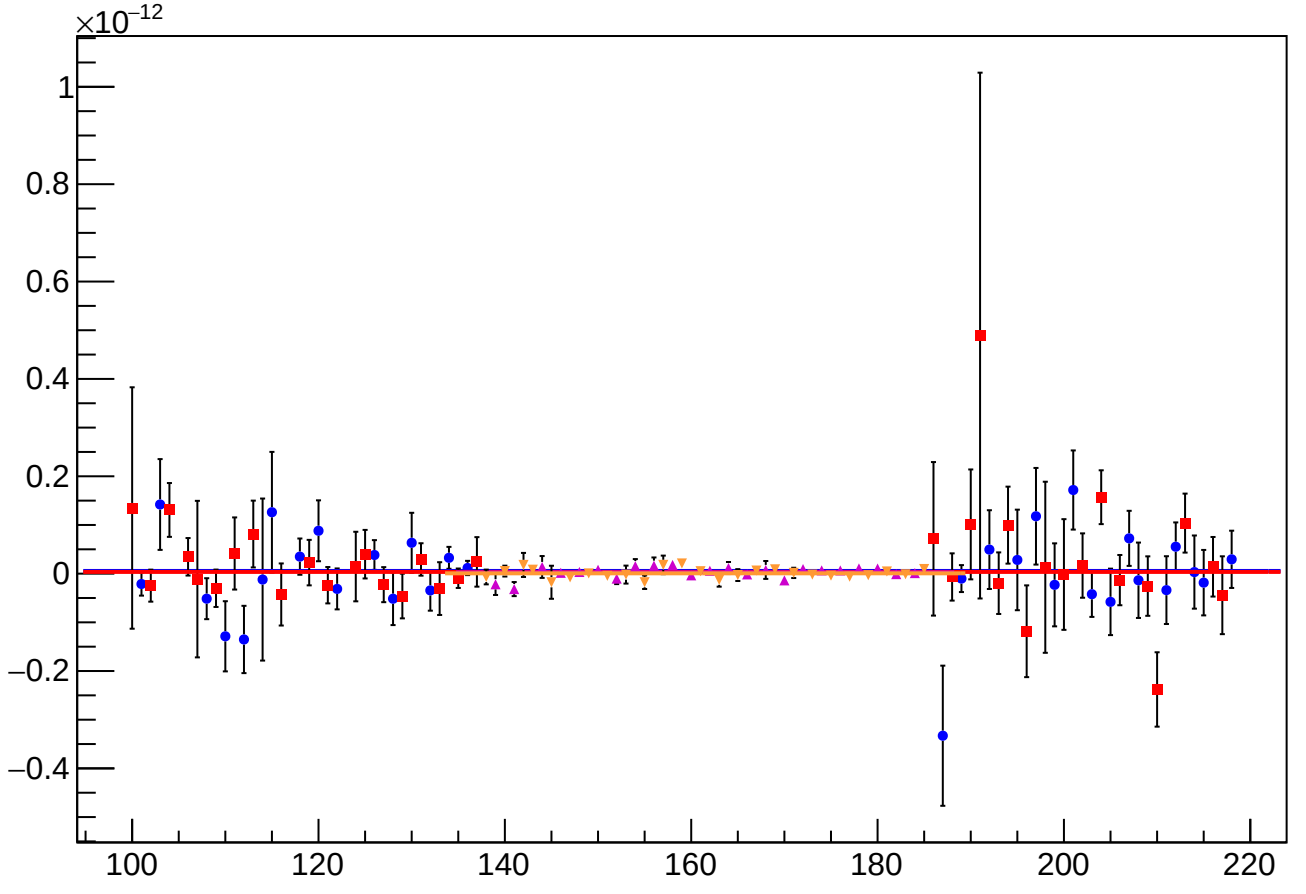
Right Out: 63.294+/-0.012 χ^2/NDF: 6795832.5/35

Left In: 46.786+/-0.009 χ^2/NDF:1949480.3/22

+ sign 54.589+/-0.007 χ^2/NDF: 9620154.8/56

All: 53.353+/-0.005 χ^2/NDF: 19605475.7/115

- sign 52.168+/-0.007 χ^2/NDF: 9928600.1/58



Right In: 0.000+/-0.000 χ^2/NDF: 39.4/31

Left Out: 0.000+/-0.000 χ^2/NDF:15.1/24

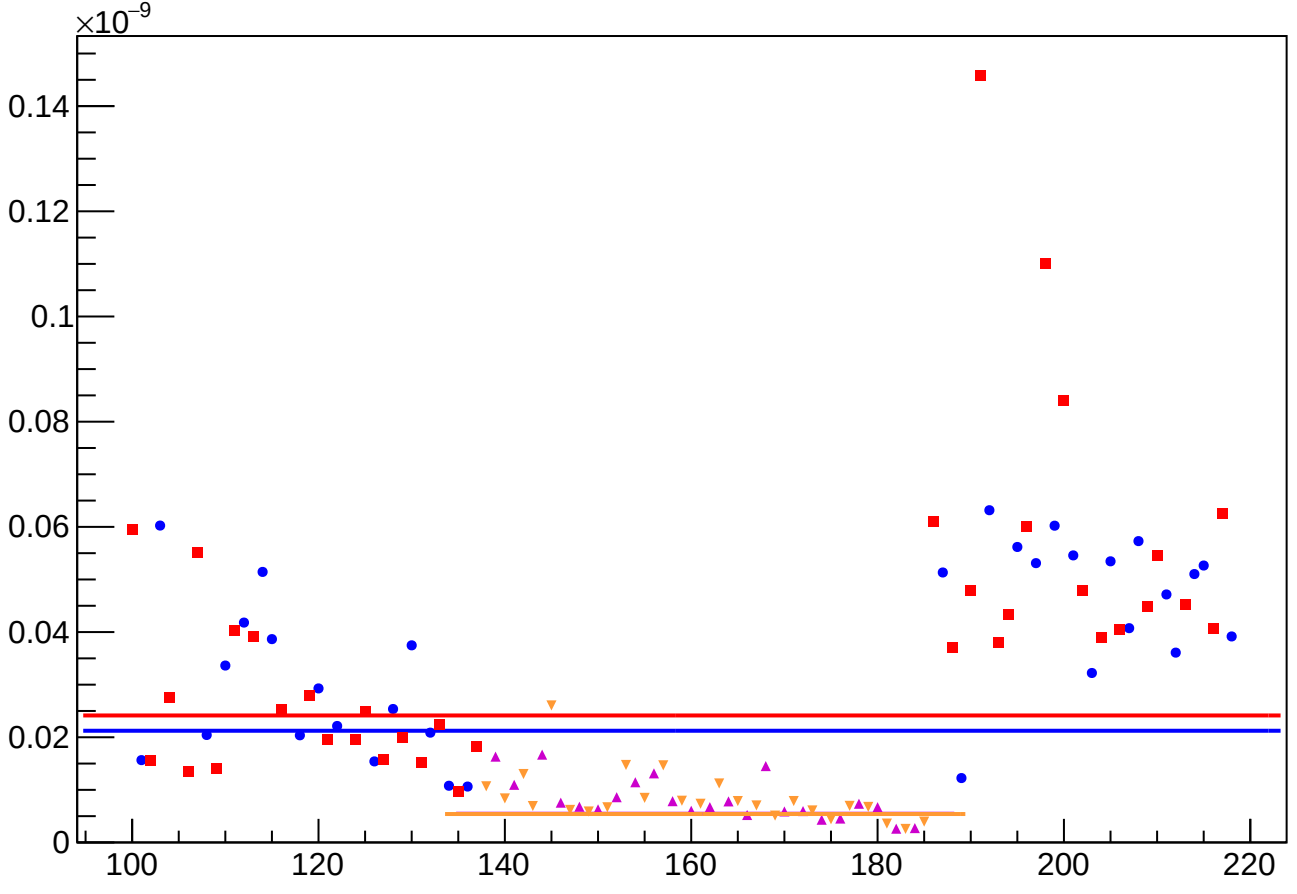
Right Out: 0.000+/-0.000 χ^2/NDF: 40.6/35

Left In: 0.000+/-0.000 χ^2/NDF:21.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 54.9/56

All: 0.000+/-0.000 χ^2/NDF: 117.8/115

- sign 0.000+/-0.000 χ^2/NDF: 62.4/58



Right In: 0.000+/-0.000 χ^2/NDF: 7188283.5/31

Left Out: 0.000+/-0.000 χ^2/NDF:5134602.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6116907.5/35

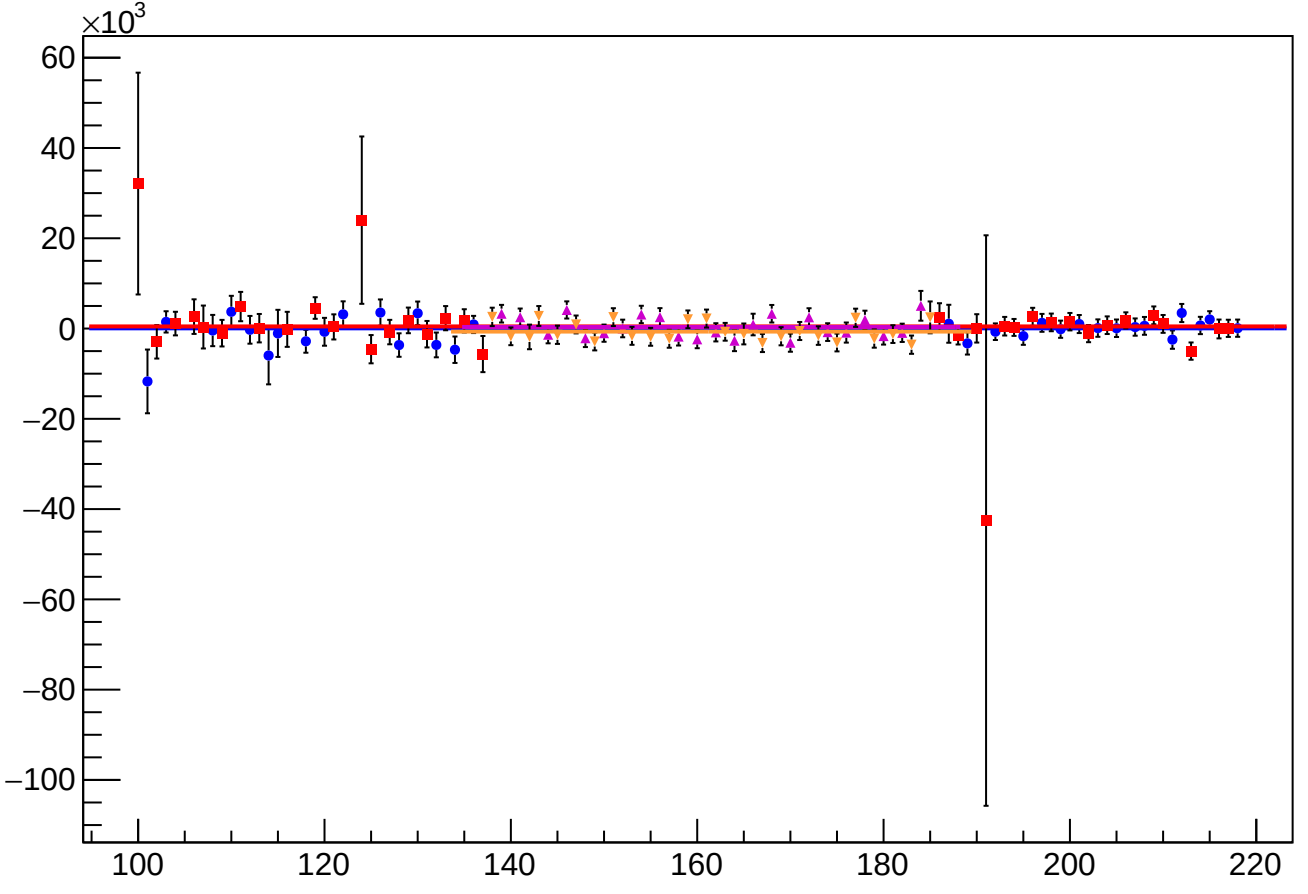
Left In: 0.000+/-0.000 χ^2/NDF:4905821.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 20814642.0/56

All: 0.000+/-0.000 χ^2/NDF: 41015039.7/115

- sign 0.000+/-0.000 χ^2/NDF: 20199670.3/58

reg_asym_at1_dd_mean vs Slug



Right In: 46.707+/-414.737 χ^2/NDF: 26.6/31

Left Out: -670.041+/-412.206 χ^2/NDF:24.7/24

Right Out: 468.556+/-416.584 χ^2/NDF: 30.9/35

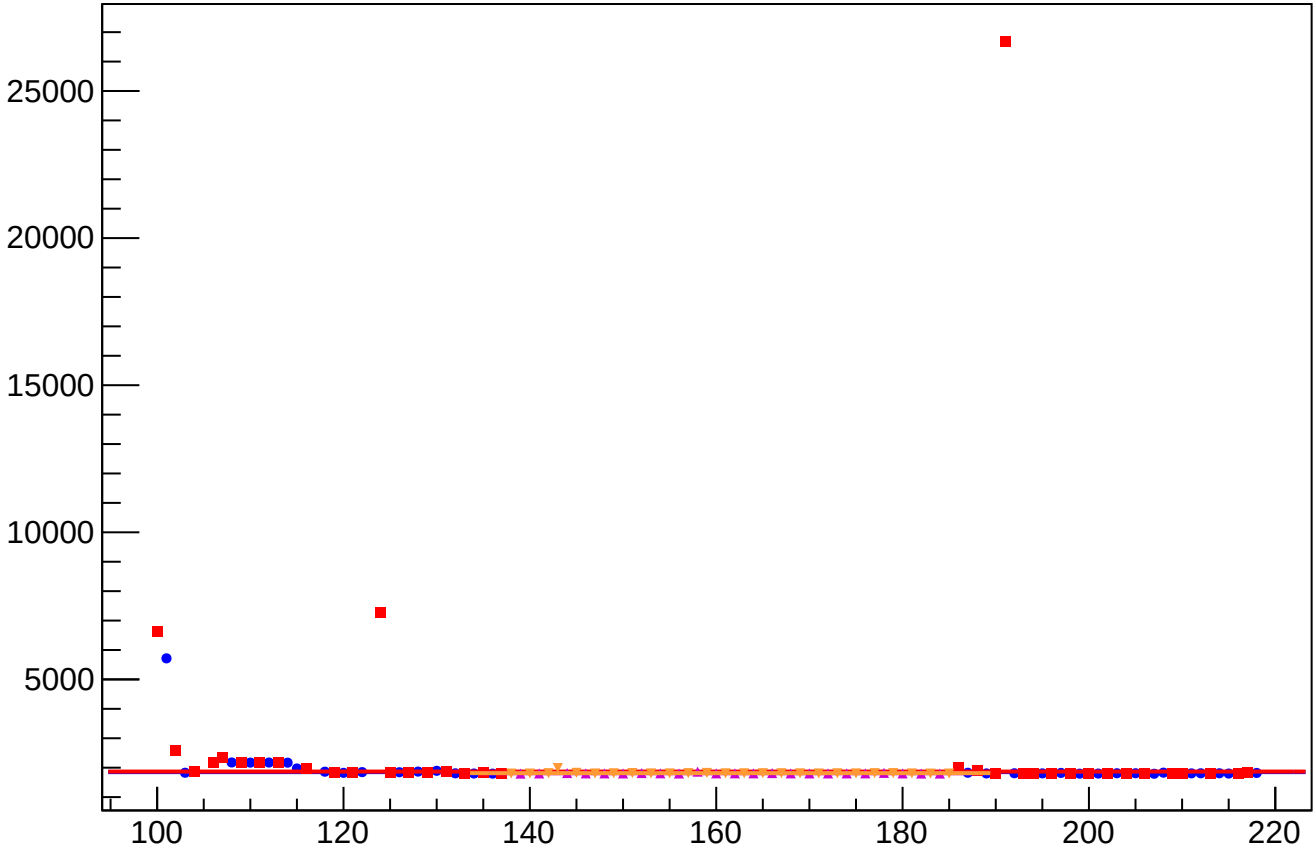
Left In: 342.945+/-422.712 χ^2/NDF:30.1/22

+ sign -313.861+/-292.364 χ^2/NDF: 52.8/56

All: 41.086+/-208.253 χ^2/NDF: 116.8/115

- sign 406.668+/-296.712 χ^2/NDF: 61.0/58

reg_asym_at1_dd_rms vs Slug



Right In: 1848.938+/-0.293 χ^2/NDF: 680161.6/31

Left Out: 1814.435+/-0.291 χ^2/NDF:13102.1/24

Right Out: 1868.209+/-0.295 χ^2/NDF: 758493.8/35

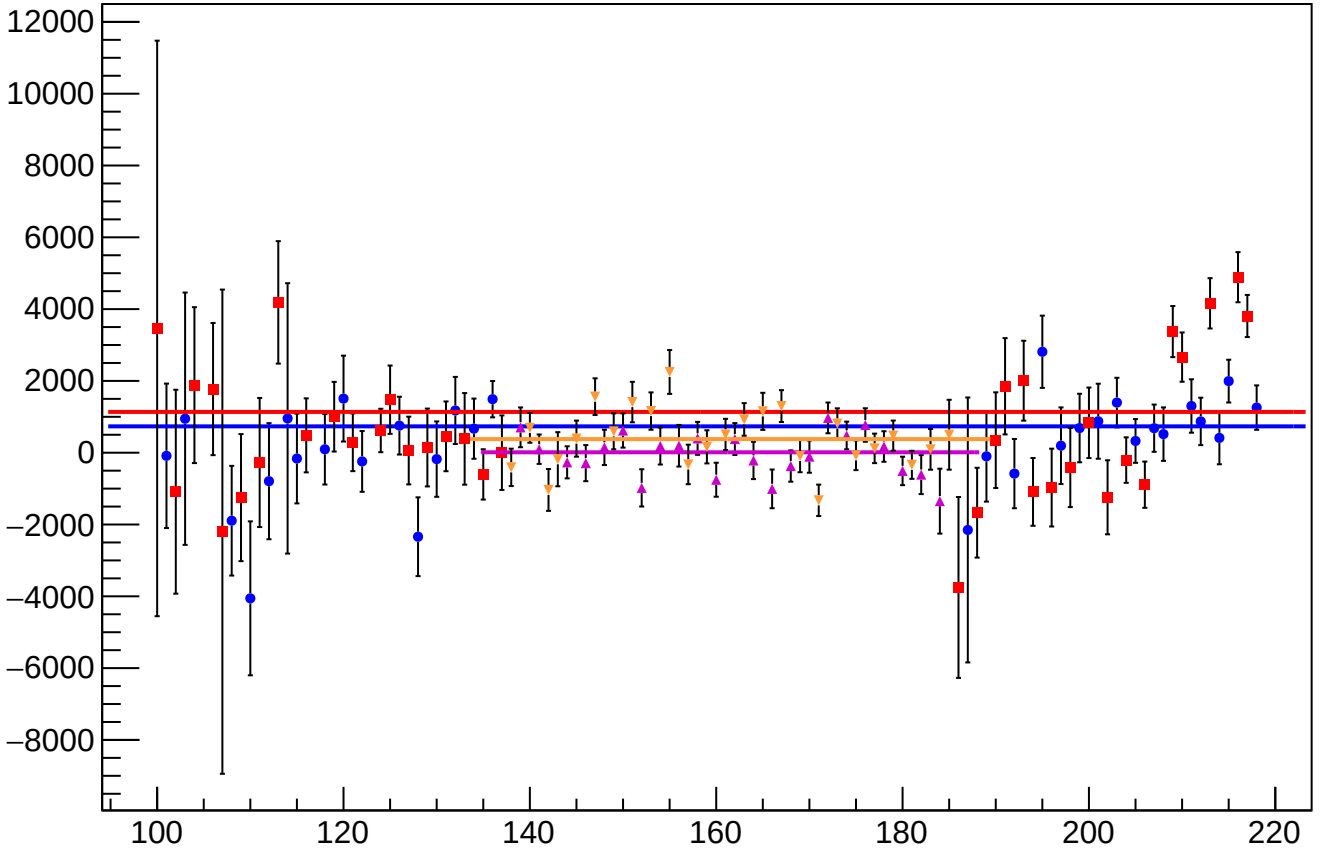
Left In: 1810.457+/-0.299 χ^2/NDF:1967.2/22

+ sign 1831.581+/-0.207 χ^2/NDF: 700227.2/56

All: 1835.607+/-0.147 χ^2/NDF: 1480396.6/11

- sign 1839.755+/-0.210 χ^2/NDF: 779399.2/58

asym_at1_dd_reg_correction_mean vs Slug



Right In: 734.211+/-156.364 χ^2/NDF: 37.7/31

Left Out: 379.353+/-97.013 χ^2/NDF:62.3/24

Right Out: 1136.177+/-159.843 χ^2/NDF: 143.9/35

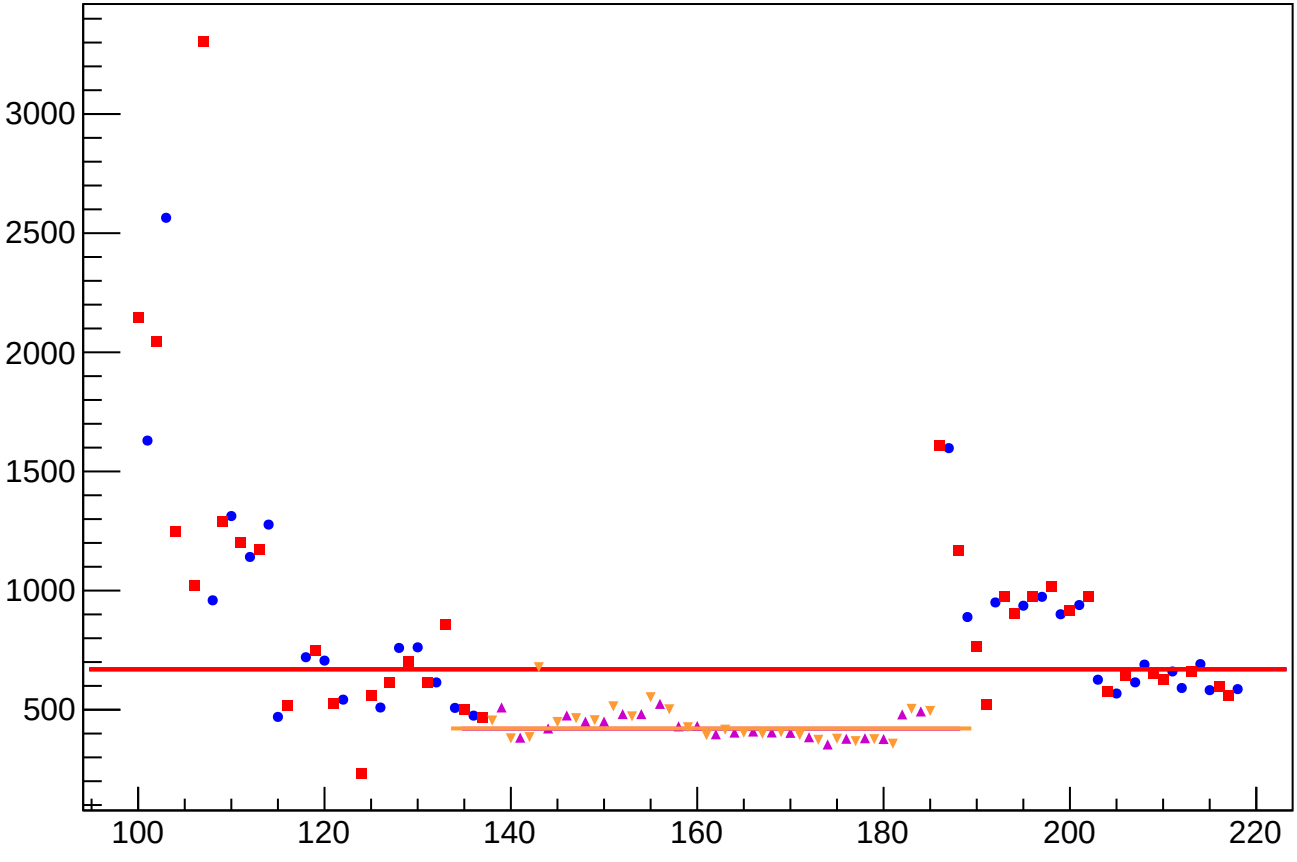
Left In: 11.527+/-98.976 χ^2/NDF:31.1/22

+ sign 477.984+/-82.436 χ^2/NDF: 103.7/56

All: 402.198+/-58.888 χ^2/NDF: 316.2/115

- sign 323.227+/-84.150 χ^2/NDF: 210.7/58

asym_at1_dd_reg_correction_rms vs Slug



Right In: 668.932+/-0.111 χ^2/NDF: 3197702.6/31

Left Out: 421.417+/-0.069 χ^2/NDF:743048.1/24

Right Out: 670.581+/-0.113 χ^2/NDF: 4804091.7/35

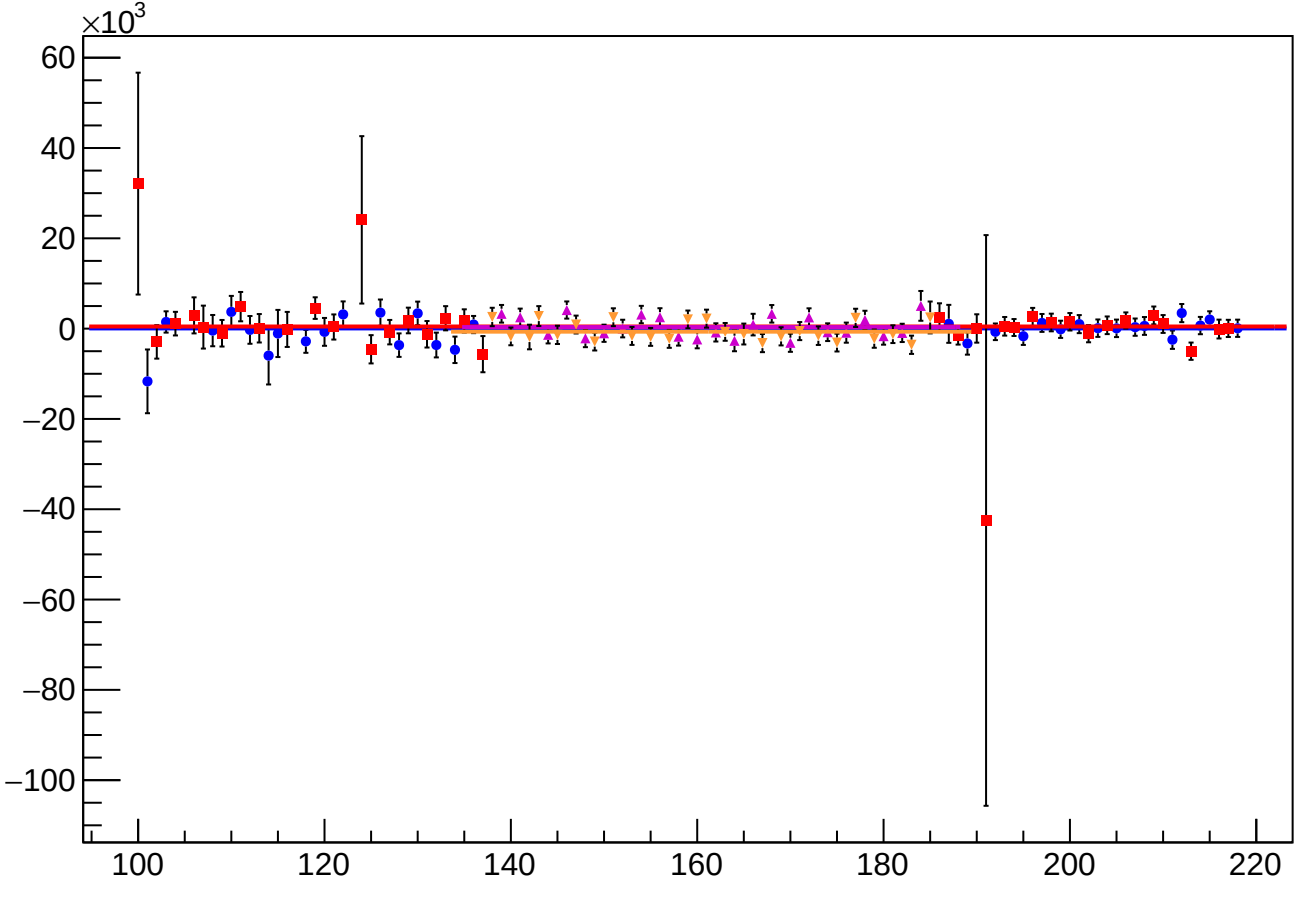
Left In: 420.222+/-0.070 χ^2/NDF:413129.7/22

+ sign 490.212+/-0.058 χ^2/NDF: 7559272.7/56

All: 489.917+/-0.042 χ^2/NDF: 16323159.1/11

- sign 489.610+/-0.060 χ^2/NDF: 8763834.2/58

cor_asym_at1_dd_mean vs Slug



Right In: 47.039+/-414.737 χ^2/NDF: 26.6/31

Left Out: -670.031+/-412.206 χ^2/NDF:24.7/24

Right Out: 469.908+/-416.778 χ^2/NDF: 30.9/35

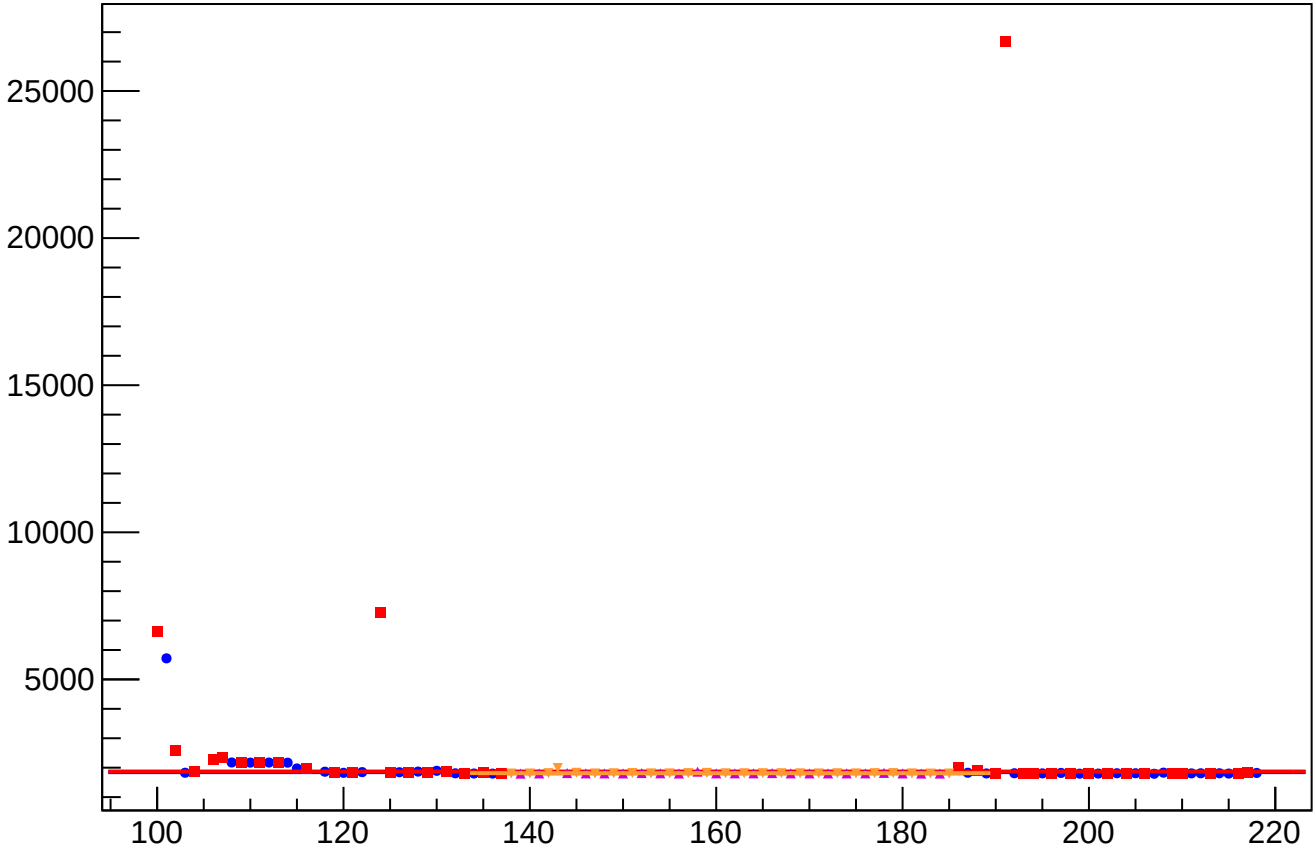
Left In: 342.989+/-422.712 χ^2/NDF:30.1/22

\+ sign -313.692+/-292.364 χ^2/NDF: 52.8/56

All: 41.420+/-208.277 χ^2/NDF: 116.9/115

\- sign 407.346+/-296.782 χ^2/NDF: 61.0/58

cor_asym_at1_dd_rms vs Slug



Right In: 1848.938+/-0.293 χ^2/NDF: 680161.5/31

Left Out: 1814.435+/-0.291 χ^2/NDF:13102.1/24

Right Out: 1868.804+/-0.295 χ^2/NDF: 764798.0/35

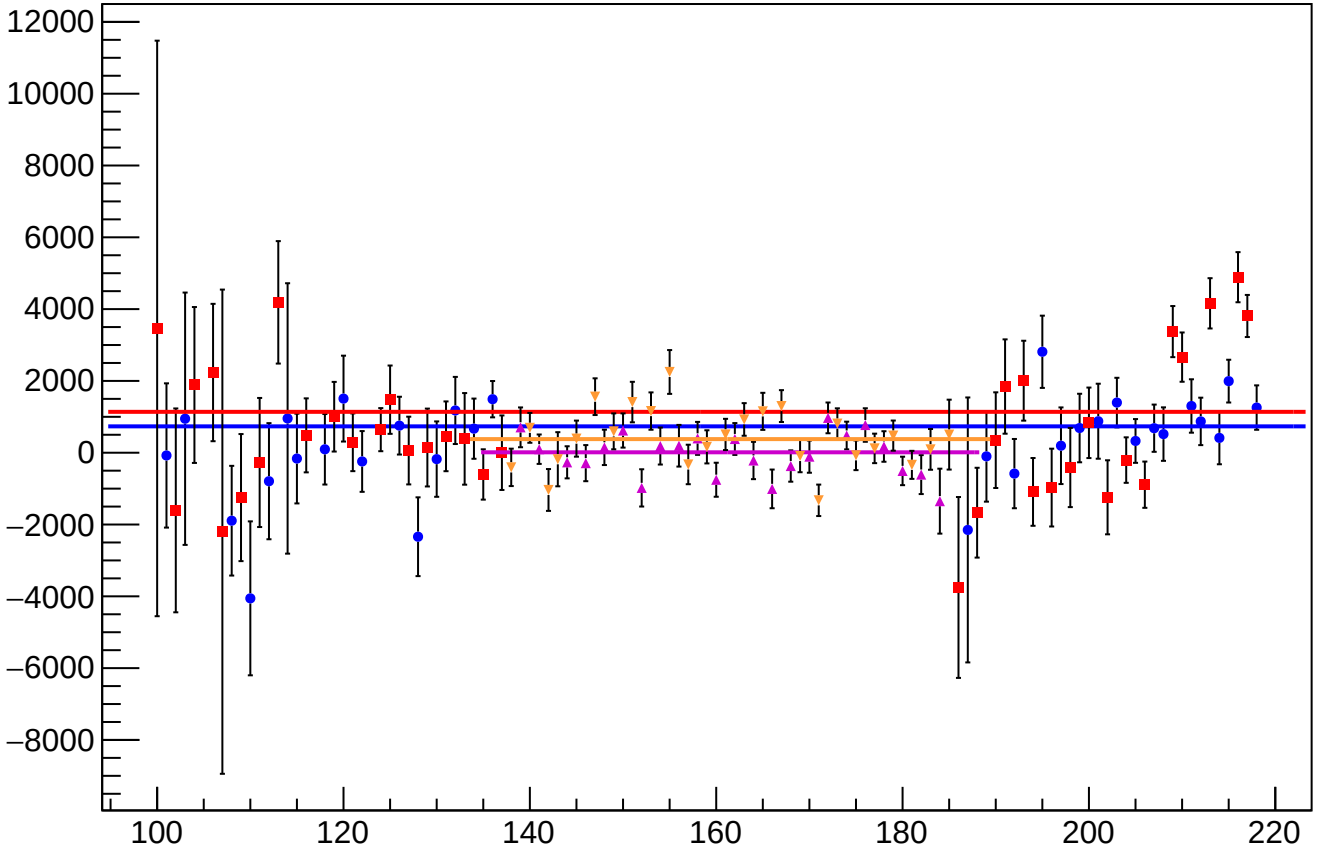
Left In: 1810.457+/-0.299 χ^2/NDF:1967.2/22

+ sign 1831.581+/-0.207 χ^2/NDF: 700227.1/56

All: 1835.748+/-0.147 χ^2/NDF: 1487139.1/11

- sign 1840.043+/-0.210 χ^2/NDF: 786086.7/58

asym_at1_dd_cor_correction_mean vs Slug



Right In: 734.316+/-156.362 χ^2/NDF: 37.7/31

Left Out: 379.343+/-97.014 χ^2/NDF:62.3/24

Right Out: 1138.805+/-159.757 χ^2/NDF: 144.3/35

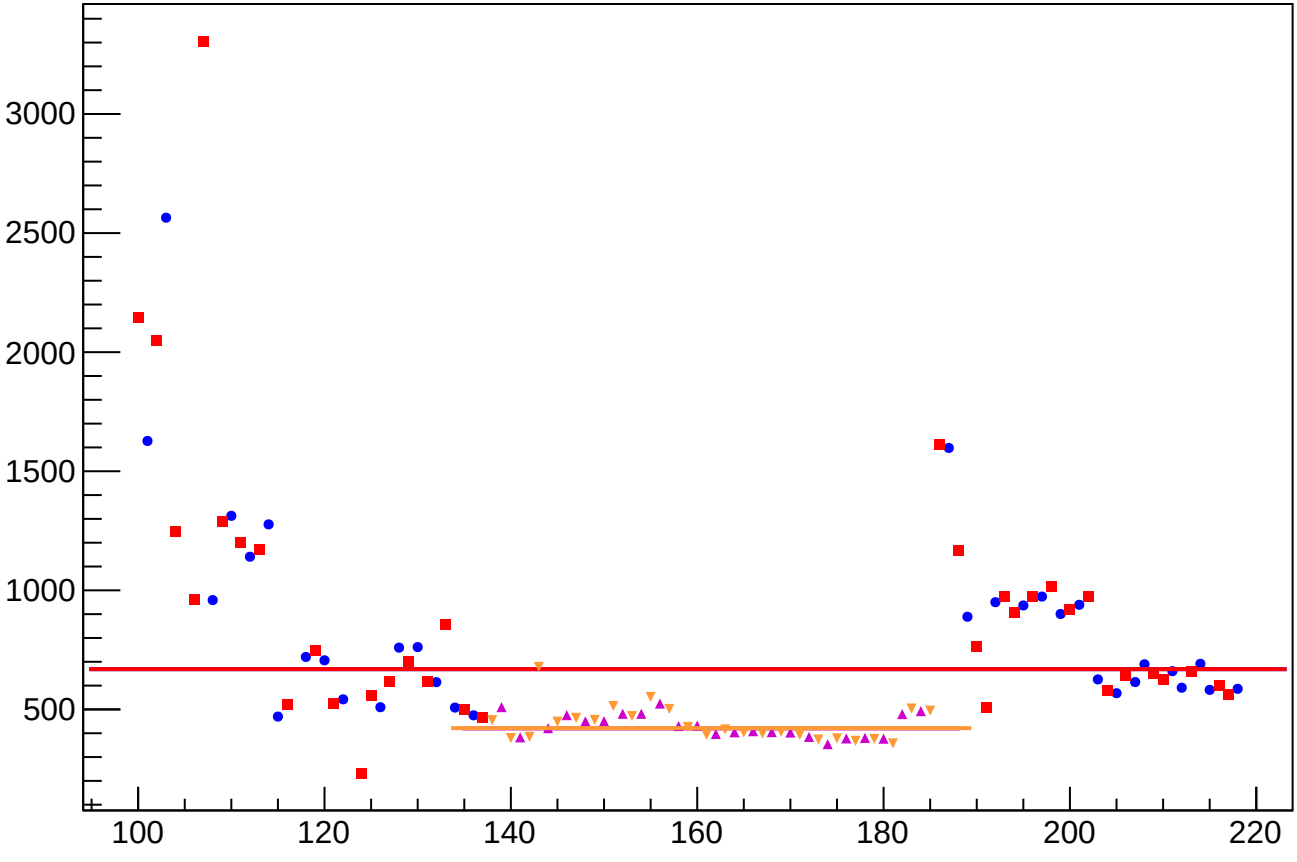
Left In: 11.539+/-98.975 χ^2/NDF:31.1/22

+ sign 478.009+/-82.436 χ^2/NDF: 103.7/56

All: 402.677+/-58.883 χ^2/NDF: 316.9/115

- sign 324.204+/-84.137 χ^2/NDF: 211.4/58

asym_at1_dd_cor_correction_rms vs Slug



Right In: 668.931+/-0.111 χ^2/NDF: 3196876.6/31

Left Out: 421.420+/-0.069 χ^2/NDF:742987.6/24

Right Out: 669.132+/-0.113 χ^2/NDF: 4809441.0/35

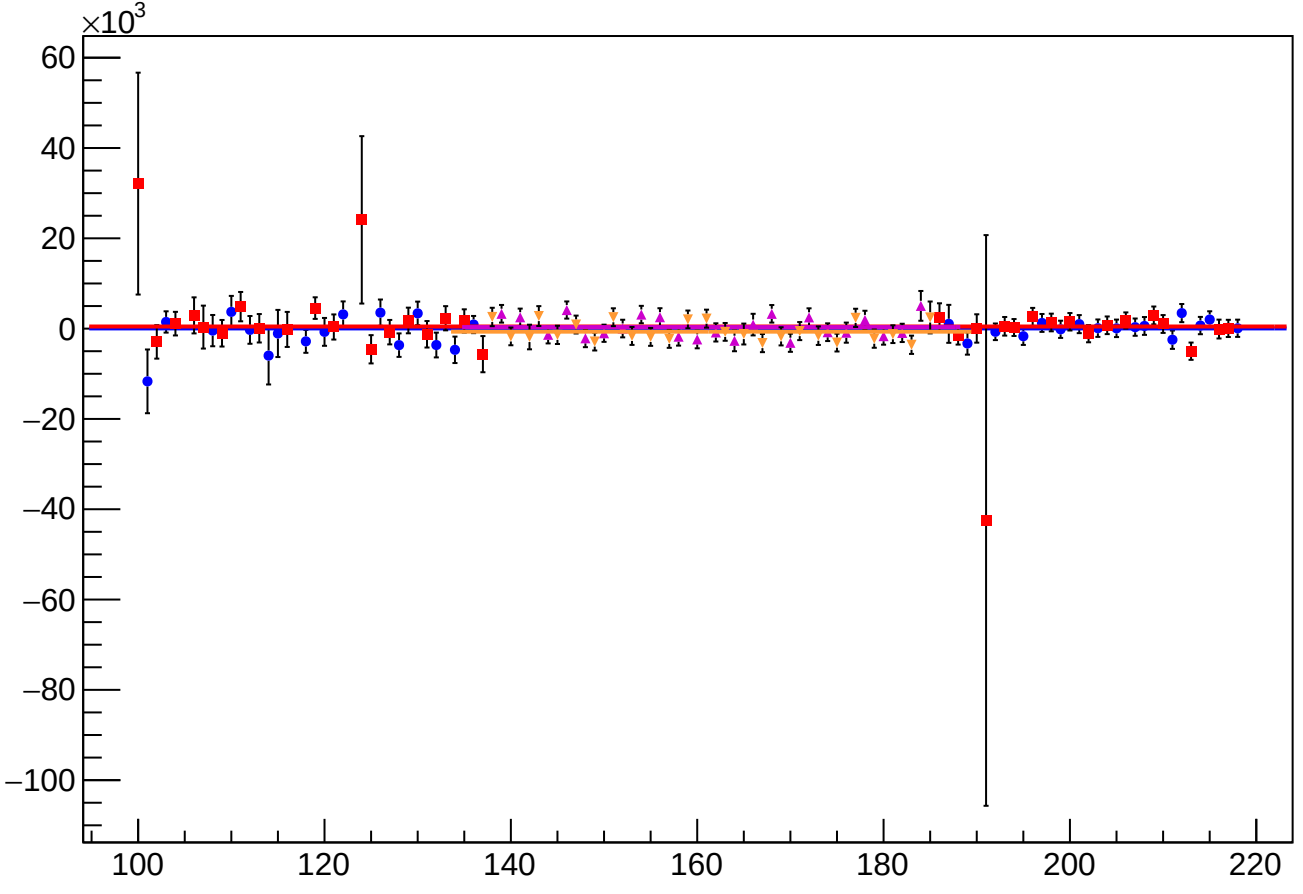
Left In: 420.218+/-0.070 χ^2/NDF:413172.4/22

+ sign 490.216+/-0.058 χ^2/NDF: 7558328.8/56

All: 489.747+/-0.042 χ^2/NDF: 16289613.3/11

- sign 489.258+/-0.059 χ^2/NDF: 8731152.2/58

eigen_cor_asym_at1_dd_mean vs Slug



Right In: 47.039+/-414.737 χ^2/NDF: 26.6/31

Left Out: -670.031+/-412.206 χ^2/NDF:24.7/24

Right Out: 469.908+/-416.778 χ^2/NDF: 30.9/35

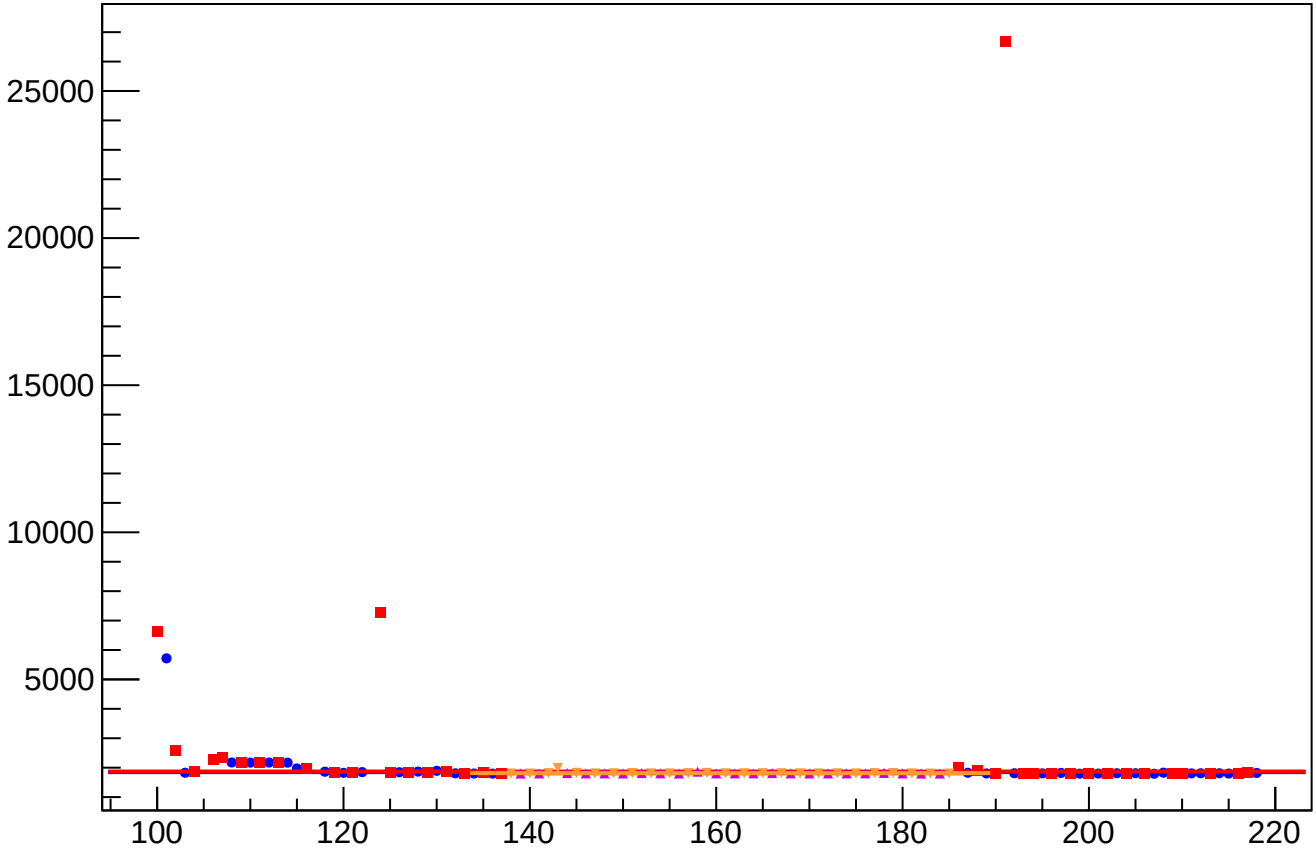
Left In: 342.989+/-422.712 χ^2/NDF:30.1/22

\+ sign -313.692+/-292.364 χ^2/NDF: 52.8/56

All: 41.420+/-208.277 χ^2/NDF: 116.9/115

\- sign 407.346+/-296.782 χ^2/NDF: 61.0/58

eigen_cor_asym_at1_dd_rms vs Slug



Right In: 1848.938+/-0.293 χ^2/NDF: 680161.5/31

Left Out: 1814.435+/-0.291 χ^2/NDF:13102.1/24

Right Out: 1868.804+/-0.295 χ^2/NDF: 764798.0/35

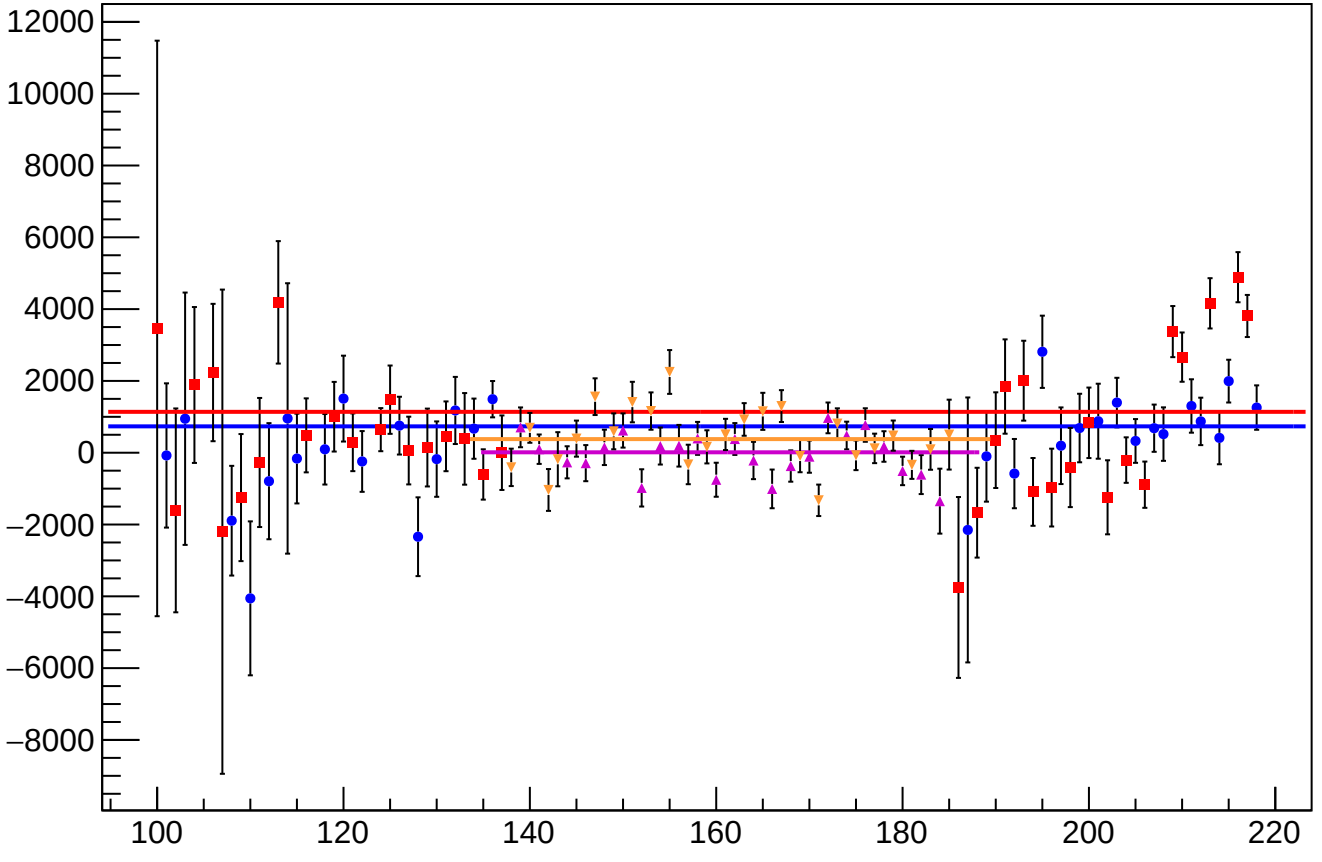
Left In: 1810.457+/-0.299 χ^2/NDF:1967.2/22

+ sign 1831.581+/-0.207 χ^2/NDF: 700227.1/56

All: 1835.748+/-0.147 χ^2/NDF: 1487139.1/11

- sign 1840.043+/-0.210 χ^2/NDF: 786086.7/58

asym_at1_dd_eigen_cor_correction_mean vs Slug



Right In: 734.316+/-156.362 χ^2/NDF: 37.7/31

Left Out: 379.343+/-97.014 χ^2/NDF:62.3/24

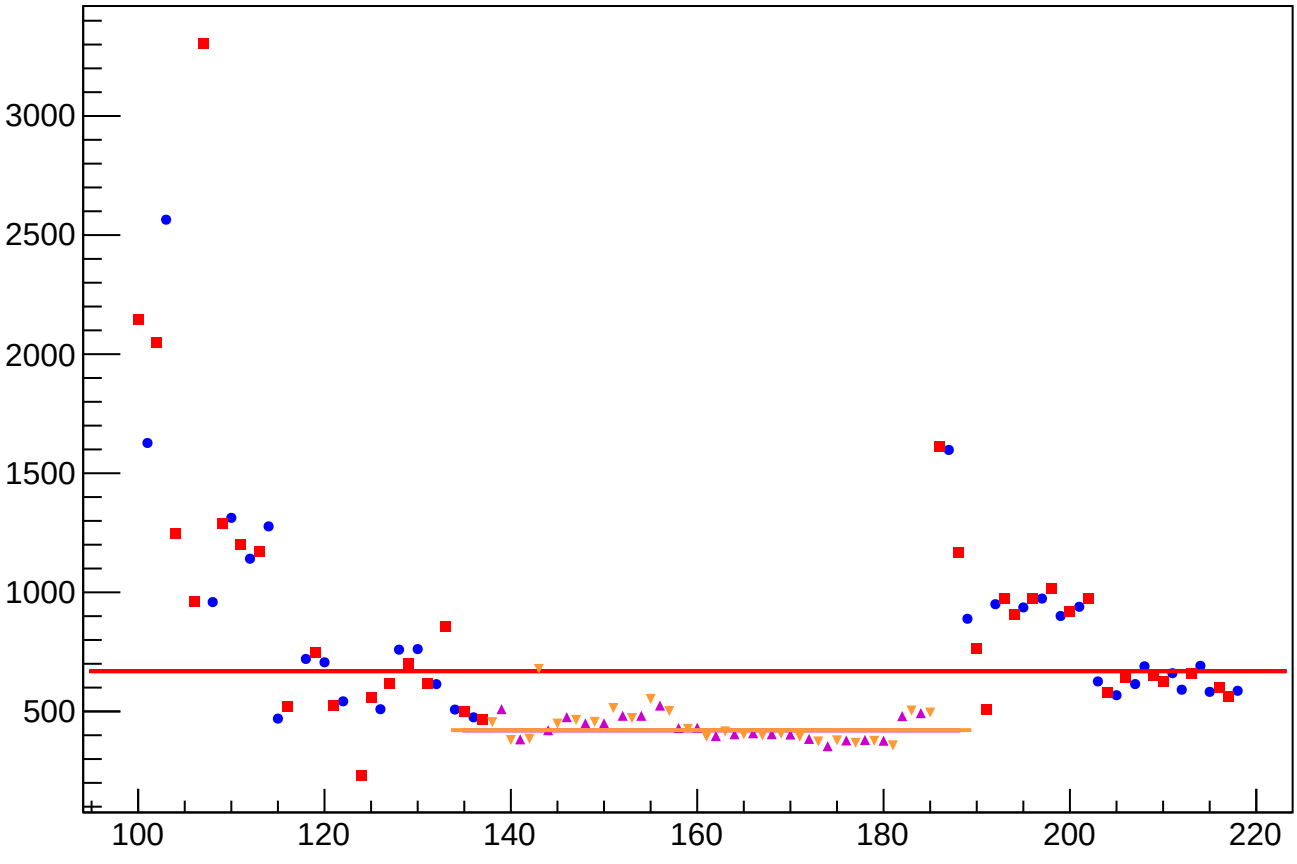
Right Out: 1138.805+/-159.757 χ^2/NDF: 144.3/35

Left In: 11.539+/-98.975 χ^2/NDF:31.1/22

+ sign 478.009+/-82.436 χ^2/NDF: 103.7/56

All: 402.677+/-58.883 χ^2/NDF: 316.9/115

- sign 324.204+/-84.137 χ^2/NDF: 211.4/58



Right In: 668.931+/-0.111 χ^2/NDF: 3196876.6/31

Left Out: 421.420+/-0.069 χ^2/NDF:742987.6/24

Right Out: 669.132+/-0.113 χ^2/NDF: 4809441.0/35

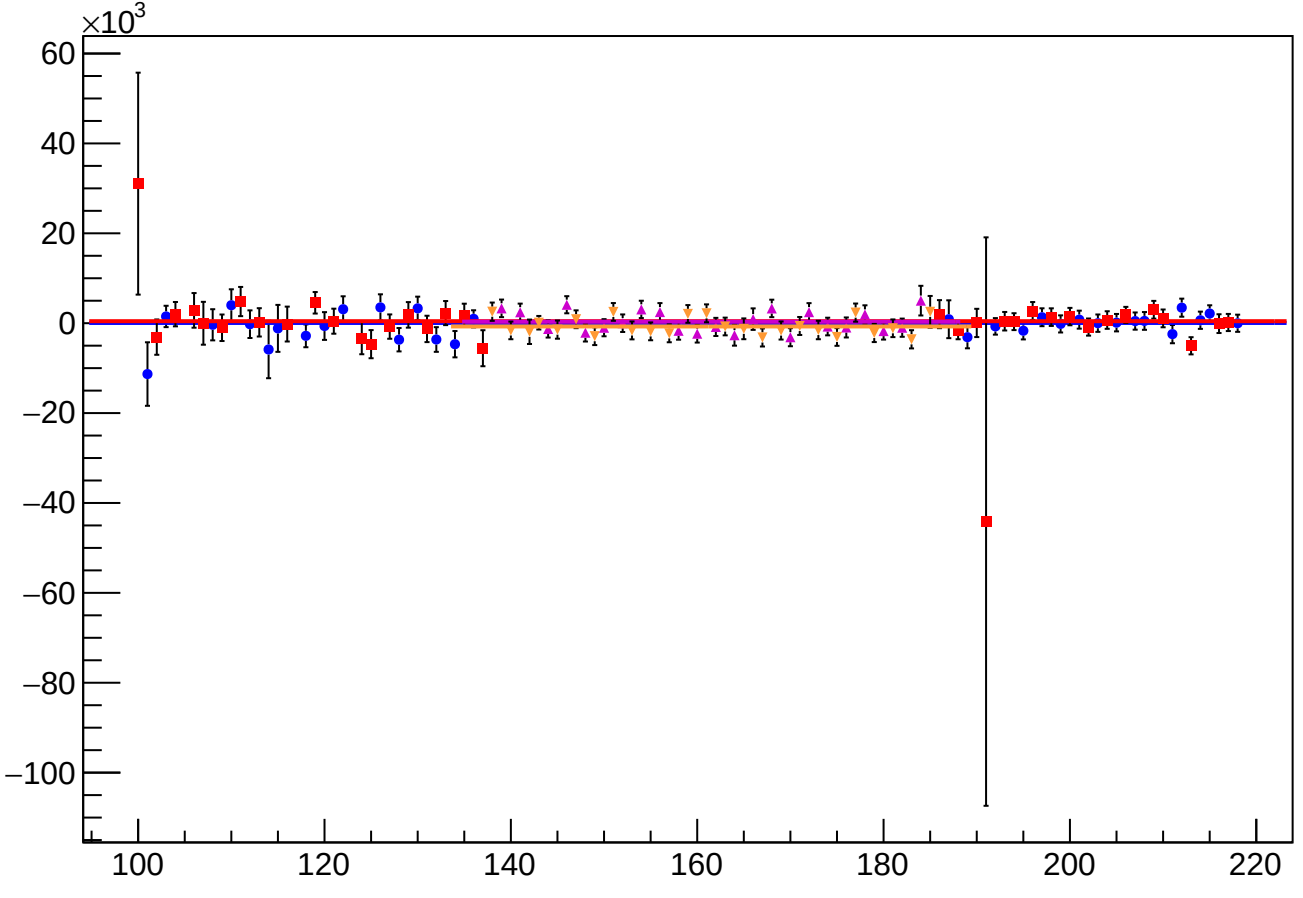
Left In: 420.218+/-0.070 χ^2/NDF:413172.4/22

+ sign 490.216+/-0.058 χ^2/NDF: 7558328.8/56

All: 489.747+/-0.042 χ^2/NDF: 16289613.3/11

- sign 489.258+/-0.059 χ^2/NDF: 8731152.2/58

dit_asym_at1_dd_mean vs Slug



Right In: 57.979+/-415.141 χ^2/NDF: 26.3/31

Left Out: -724.527+/-404.417 χ^2/NDF:22.2/24

Right Out: 446.461+/-414.998 χ^2/NDF: 30.4/35

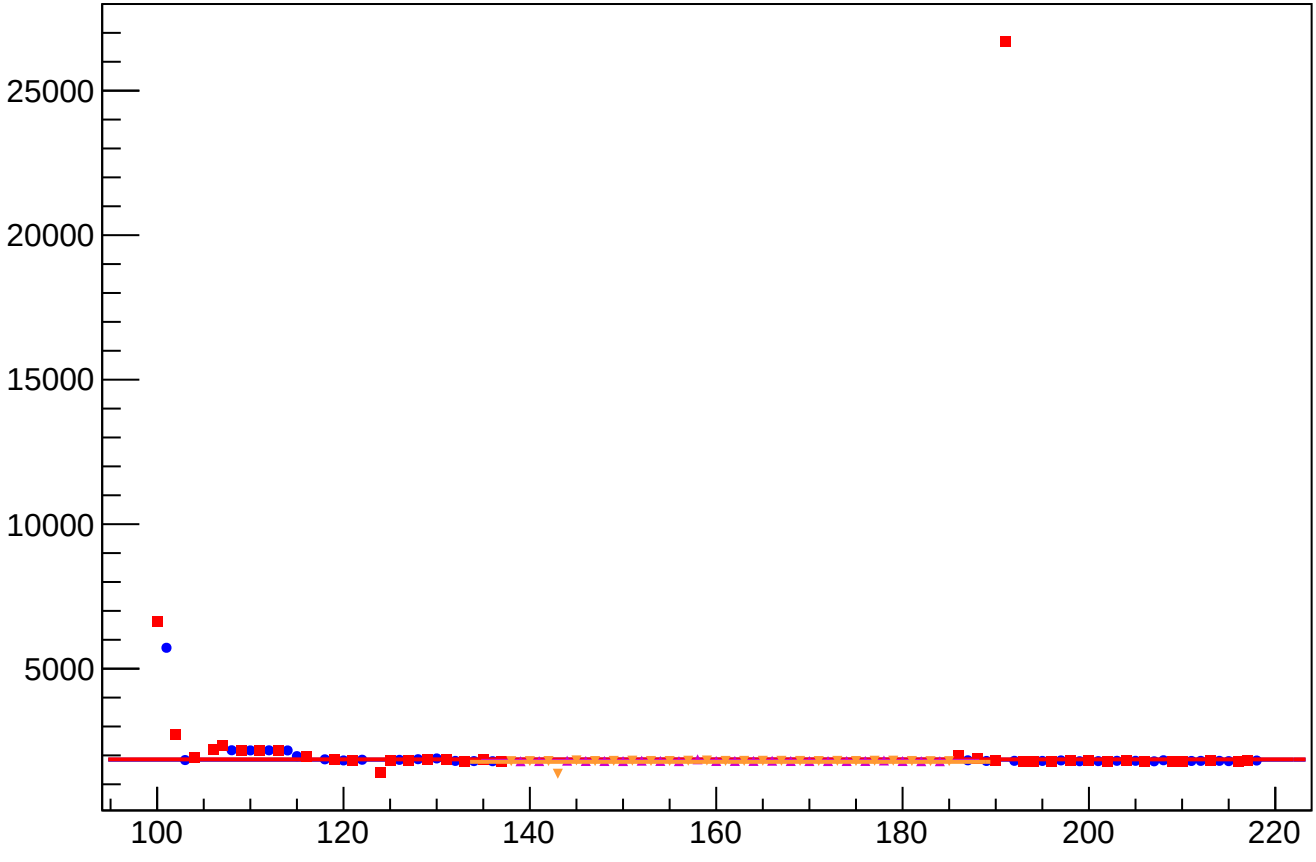
Left In: 341.223+/-422.858 χ^2/NDF:29.6/22

\+ sign -343.511+/-289.683 χ^2/NDF: 50.3/56

All: 17.463+/-207.098 χ^2/NDF: 113.6/115

\- sign 394.829+/-296.188 χ^2/NDF: 60.1/58

dit_asym_at1_dd_rms vs Slug



Right In: 1850.640+/-0.294 χ^2/NDF: 680046.8/31

Left Out: 1776.721+/-0.286 χ^2/NDF:161294.8/24

Right Out: 1862.458+/-0.293 χ^2/NDF: 639031.1/35

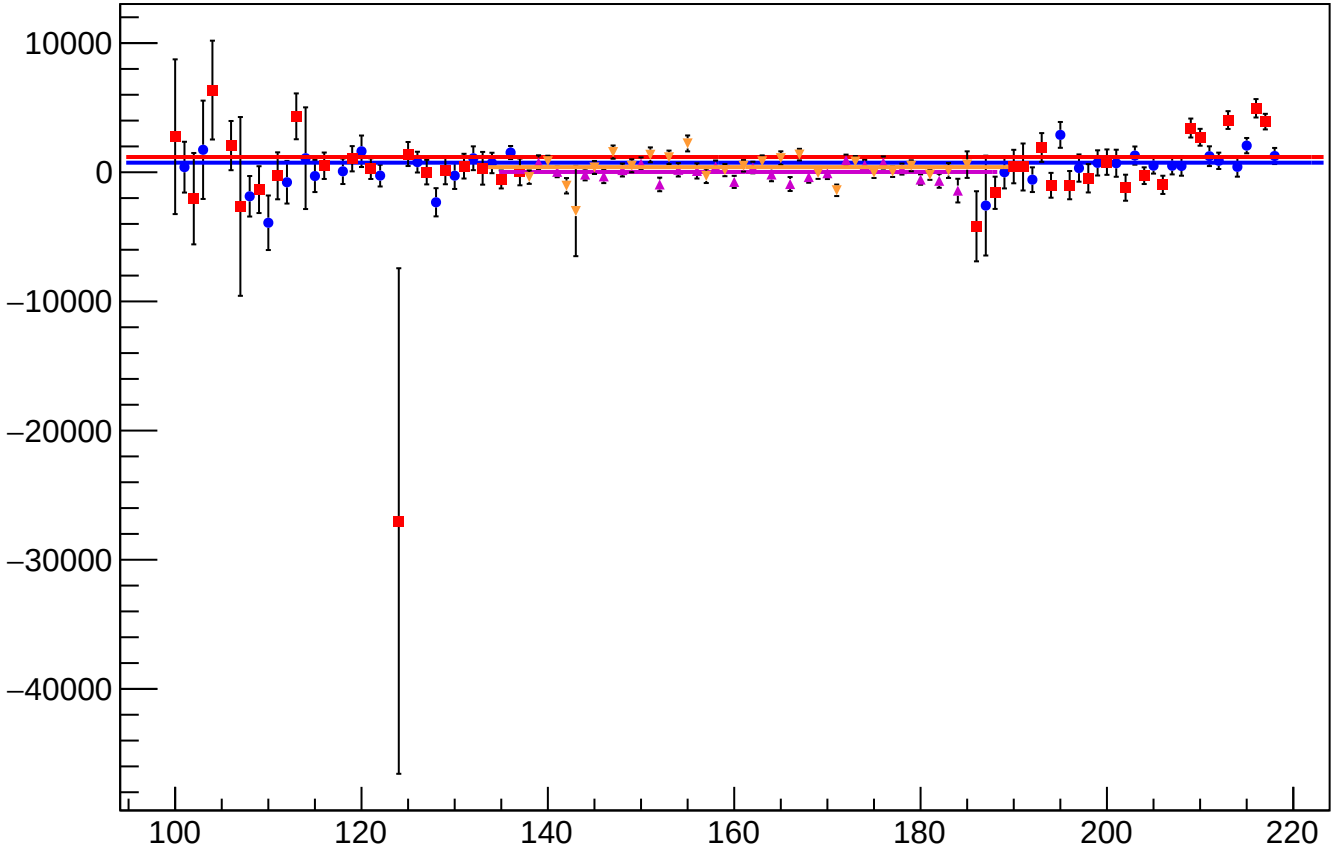
Left In: 1811.084+/-0.299 χ^2/NDF:1965.1/22

+ sign 1812.713+/-0.205 χ^2/NDF: 873875.2/56

All: 1824.711+/-0.146 χ^2/NDF: 1536925.3/11

- sign 1837.252+/-0.209 χ^2/NDF: 656033.6/58

asym_at1_dd_dit_correction_mean vs Slug



Right In: 741.180+/-156.441 χ^2/NDF: 38.1/31

Left Out: 398.269+/-99.165 χ^2/NDF:60.5/24

Right Out: 1180.085+/-167.900 χ^2/NDF: 145.7/35

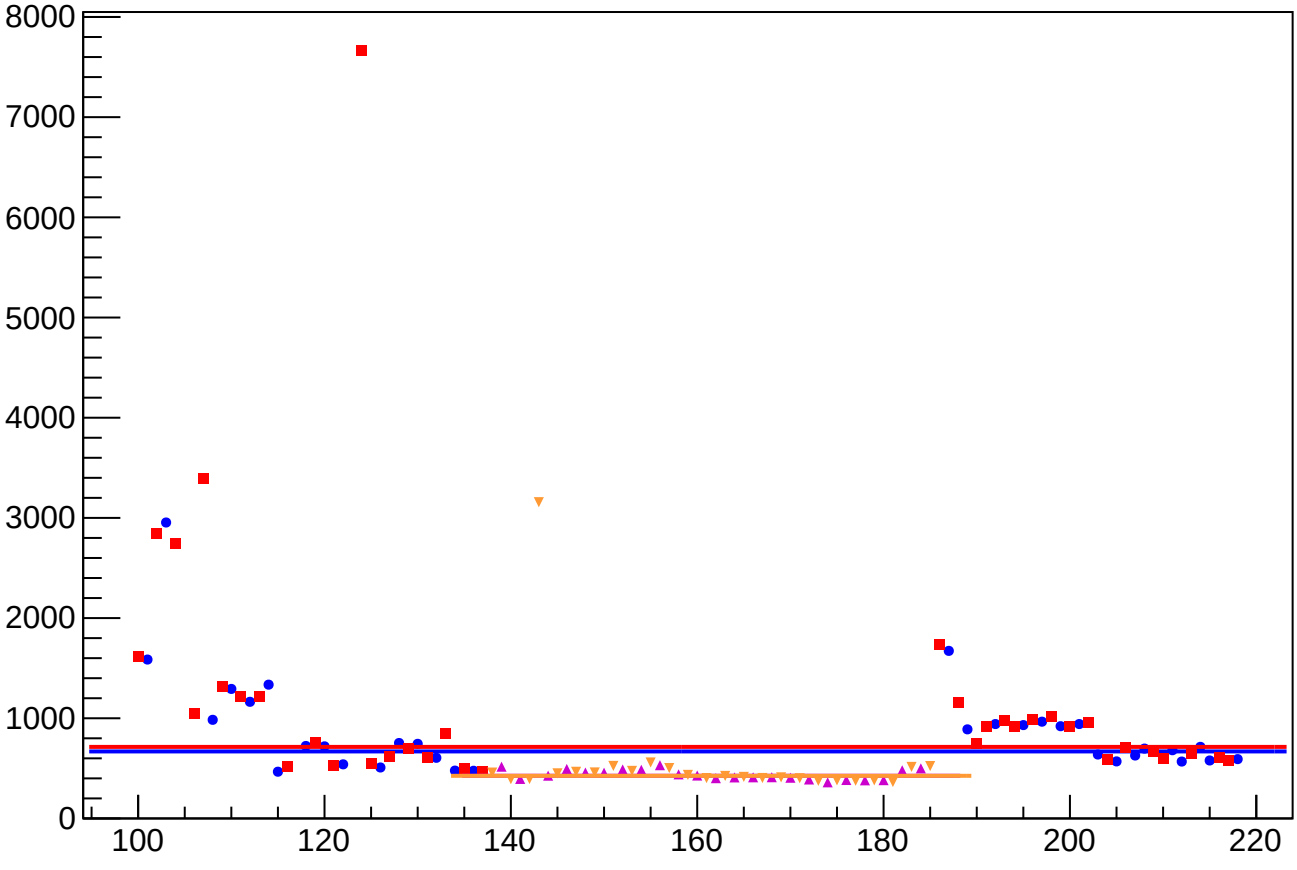
Left In: 21.453+/-100.264 χ^2/NDF:30.8/22

+ sign 496.558+/-83.756 χ^2/NDF: 102.1/56

All: 413.625+/-60.030 χ^2/NDF: 315.7/115

- sign 326.019+/-86.083 χ^2/NDF: 211.7/58

asym_at1_dd_dit_correction_rms vs Slug



Right In: 668.972+/-0.111 χ^2/NDF: 3406026.9/31

Left Out: 425.697+/-0.070 χ^2/NDF:1718145.2/24

Right Out: 714.259+/-0.119 χ^2/NDF: 4658153.1/35

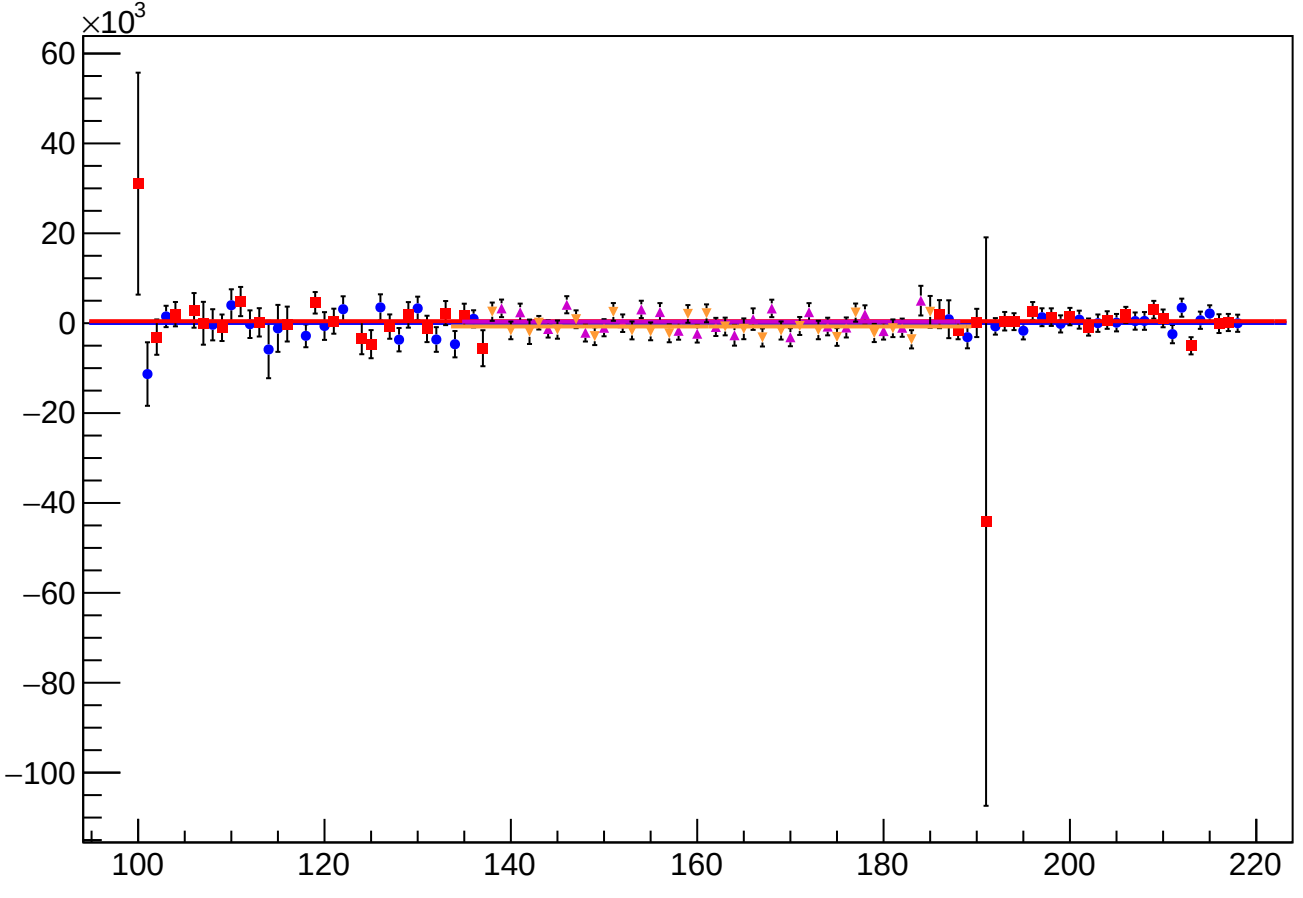
Left In: 426.144+/-0.071 χ^2/NDF:415411.7/22

+ sign 495.427+/-0.059 χ^2/NDF: 8574303.4/56

All: 498.565+/-0.042 χ^2/NDF: 17994806.3/11

- sign 501.880+/-0.061 χ^2/NDF: 9414729.4/58

eigen_dit_asym_at1_dd_mean vs Slug



Right In: 57.976+/-415.141 χ^2/NDF: 26.3/31

Left Out: -724.528+/-404.417 χ^2/NDF:22.2/24

Right Out: 446.460+/-414.998 χ^2/NDF: 30.4/35

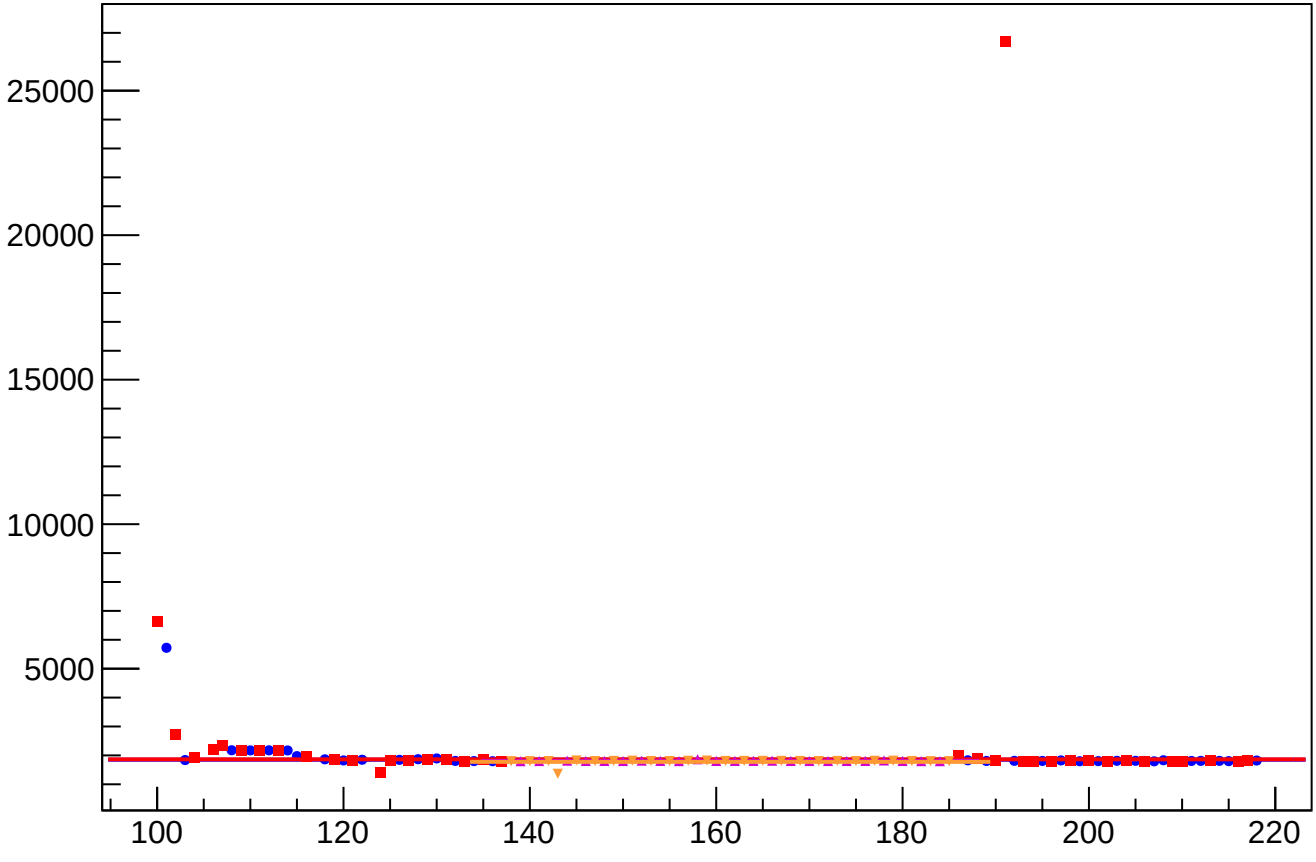
Left In: 341.223+/-422.858 χ^2/NDF:29.6/22

+ sign -343.513+/-289.683 χ^2/NDF: 50.3/56

All: 17.462+/-207.098 χ^2/NDF: 113.6/115

- sign 394.828+/-296.188 χ^2/NDF: 60.1/58

eigen_dit_asym_at1_dd_rms vs Slug



Right In: 1850.640+/-0.294 χ^2/NDF: 680046.8/31

Left Out: 1776.721+/-0.286 χ^2/NDF:161294.8/24

Right Out: 1862.458+/-0.293 χ^2/NDF: 639030.9/35

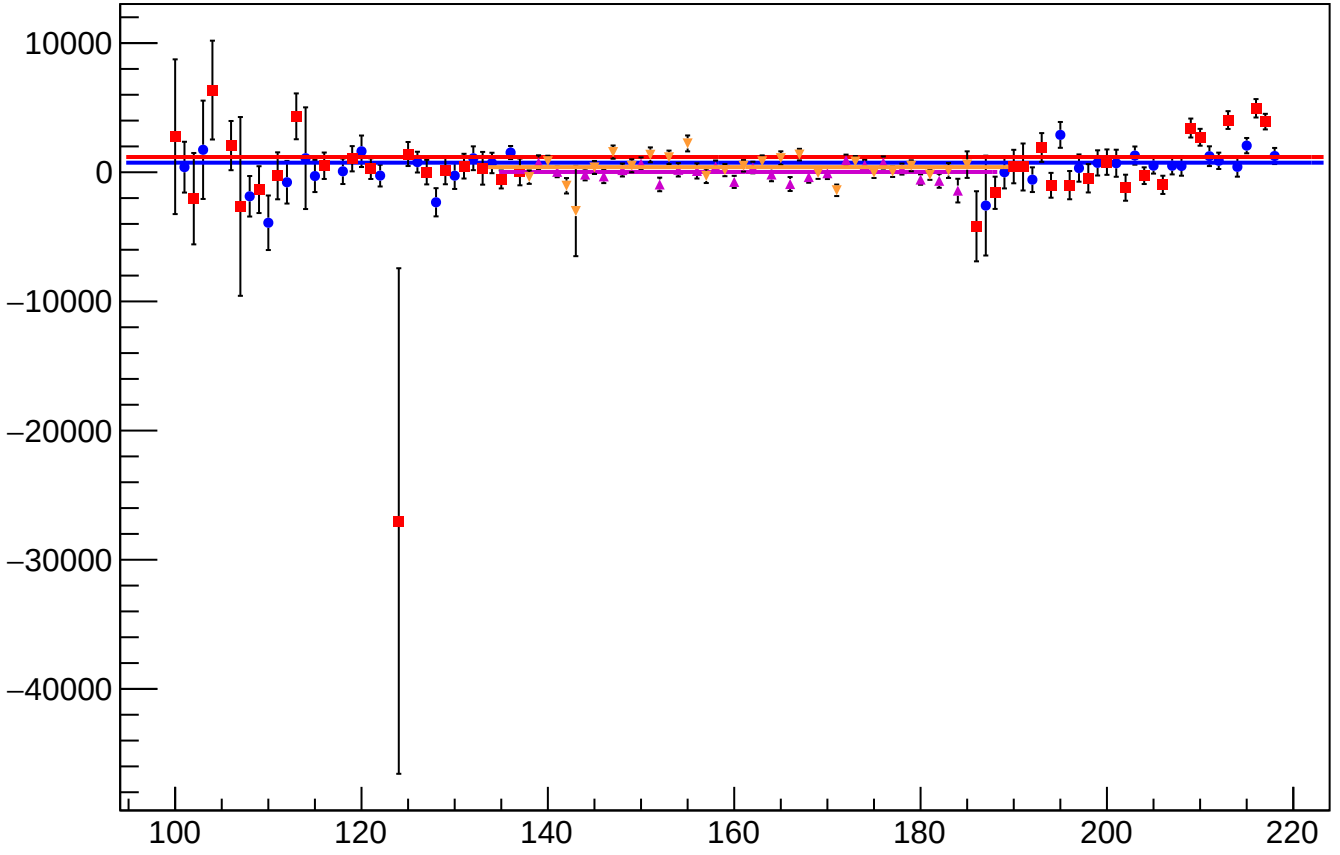
Left In: 1811.084+/-0.299 χ^2/NDF:1965.1/22

+ sign 1812.713+/-0.205 χ^2/NDF: 873875.2/56

All: 1824.711+/-0.146 χ^2/NDF: 1536925.1/11

- sign 1837.252+/-0.209 χ^2/NDF: 656033.4/58

asym_at1_dd_eigen_dit_correction_mean vs Slug



Right In: 741.177+/-156.442 χ^2/NDF: 38.1/31

Left Out: 398.268+/-99.165 χ^2/NDF:60.5/24

Right Out: 1180.082+/-167.900 χ^2/NDF: 145.7/35

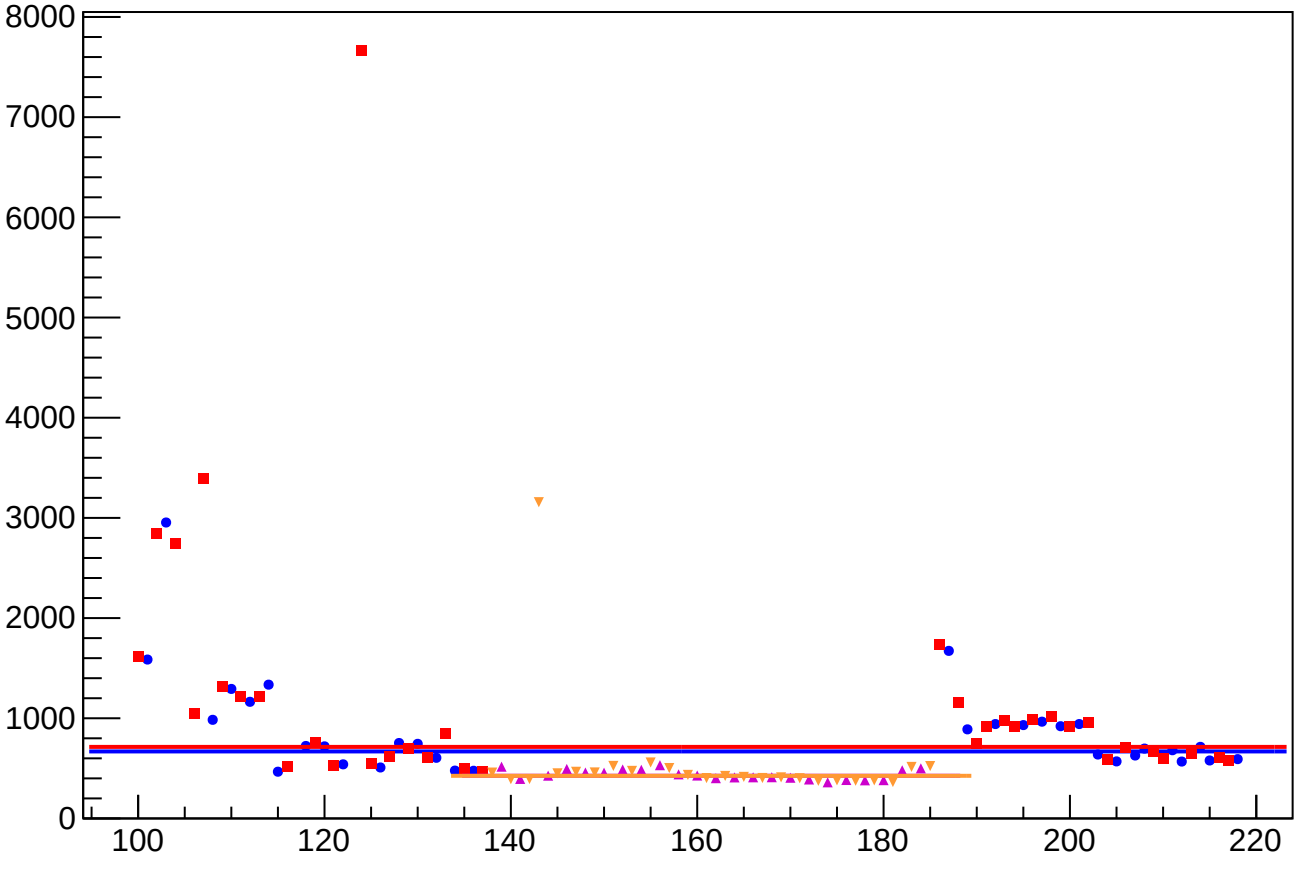
Left In: 21.452+/-100.264 χ^2/NDF:30.8/22

+ sign 496.557+/-83.756 χ^2/NDF: 102.1/56

All: 413.624+/-60.030 χ^2/NDF: 315.7/115

- sign 326.018+/-86.083 χ^2/NDF: 211.7/58

asym_at1_dd_eigen_dit_correction_rms vs Slug



Right In: 668.972+/-0.111 χ^2/NDF: 3406025.8/31

Left Out: 425.696+/-0.070 χ^2/NDF:1718147.9/24

Right Out: 714.259+/-0.119 χ^2/NDF: 4658149.9/35

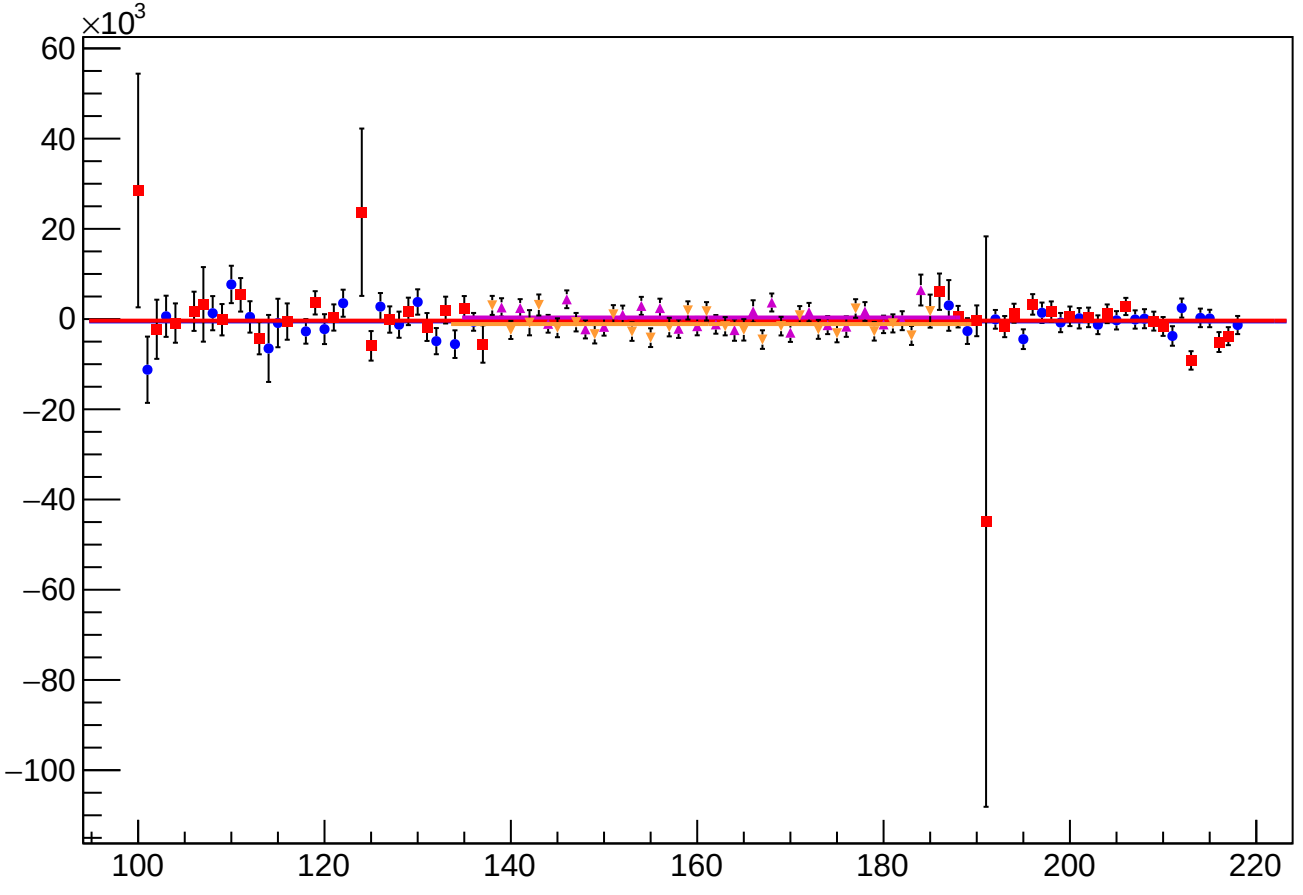
Left In: 426.144+/-0.071 χ^2/NDF:415415.2/22

+ sign 495.427+/-0.059 χ^2/NDF: 8574322.0/56

All: 498.565+/-0.042 χ^2/NDF: 17994843.1/11

- sign 501.880+/-0.061 χ^2/NDF: 9414747.5/58

asym_at1_dd_mean vs Slug



Right In: -519.730+/-454.583 χ^2/NDF: 28.3/31

Left Out: -1105.791+/-424.648 χ^2/NDF:28.0/24

Right Out: -349.330+/-463.609 χ^2/NDF: 53.7/35

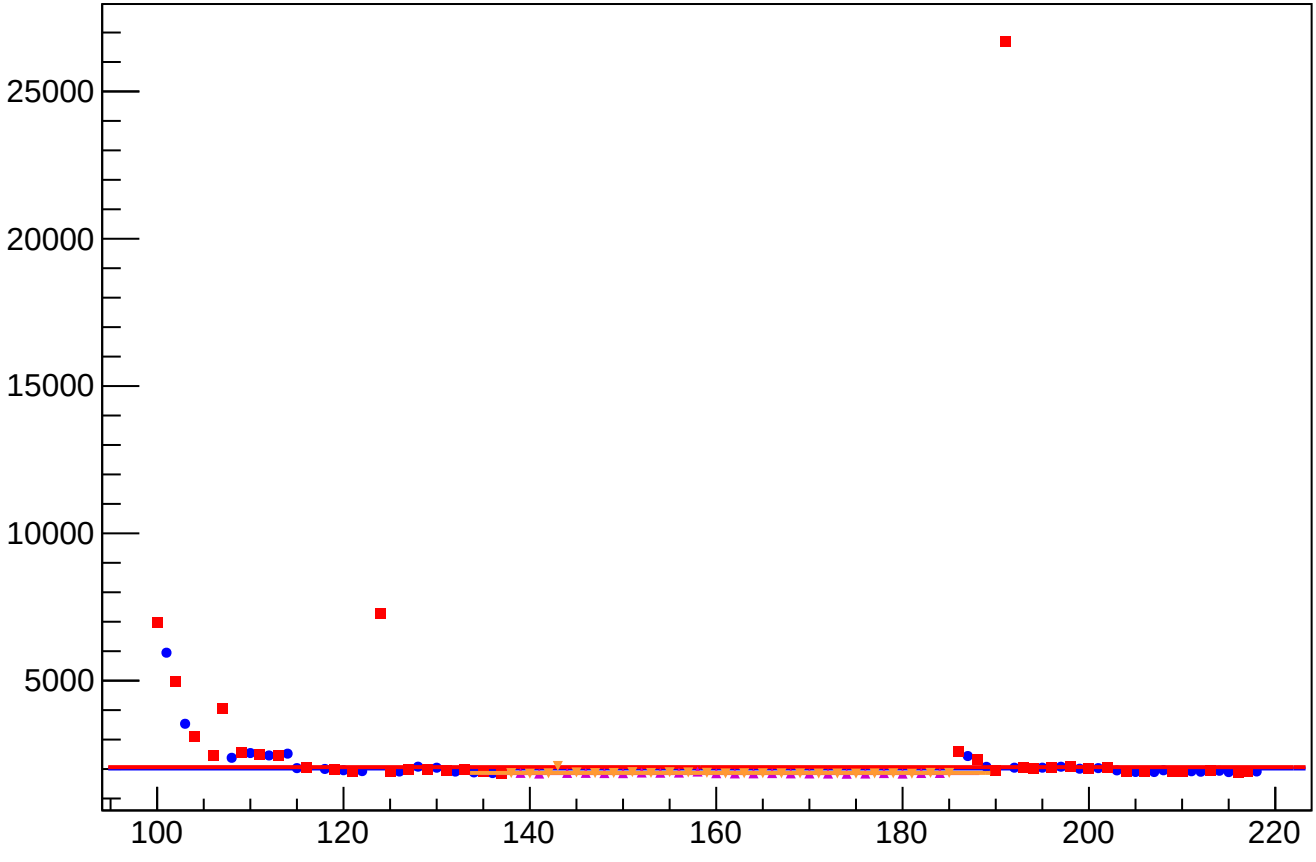
Left In: 346.936+/-434.947 χ^2/NDF:28.8/22

+ sign -832.691+/-310.315 χ^2/NDF: 57.2/56

All: -415.220+/-221.821 χ^2/NDF: 144.6/115

- sign 20.990+/-317.203 χ^2/NDF: 83.7/58

asym_at1_dd_rms vs Slug



Right In: 2018.789+/-0.321 χ^2/NDF: 967133.7/31

Left Out: 1868.941+/-0.300 χ^2/NDF:23314.7/24

Right Out: 2064.624+/-0.328 χ^2/NDF: 1430145.8/35

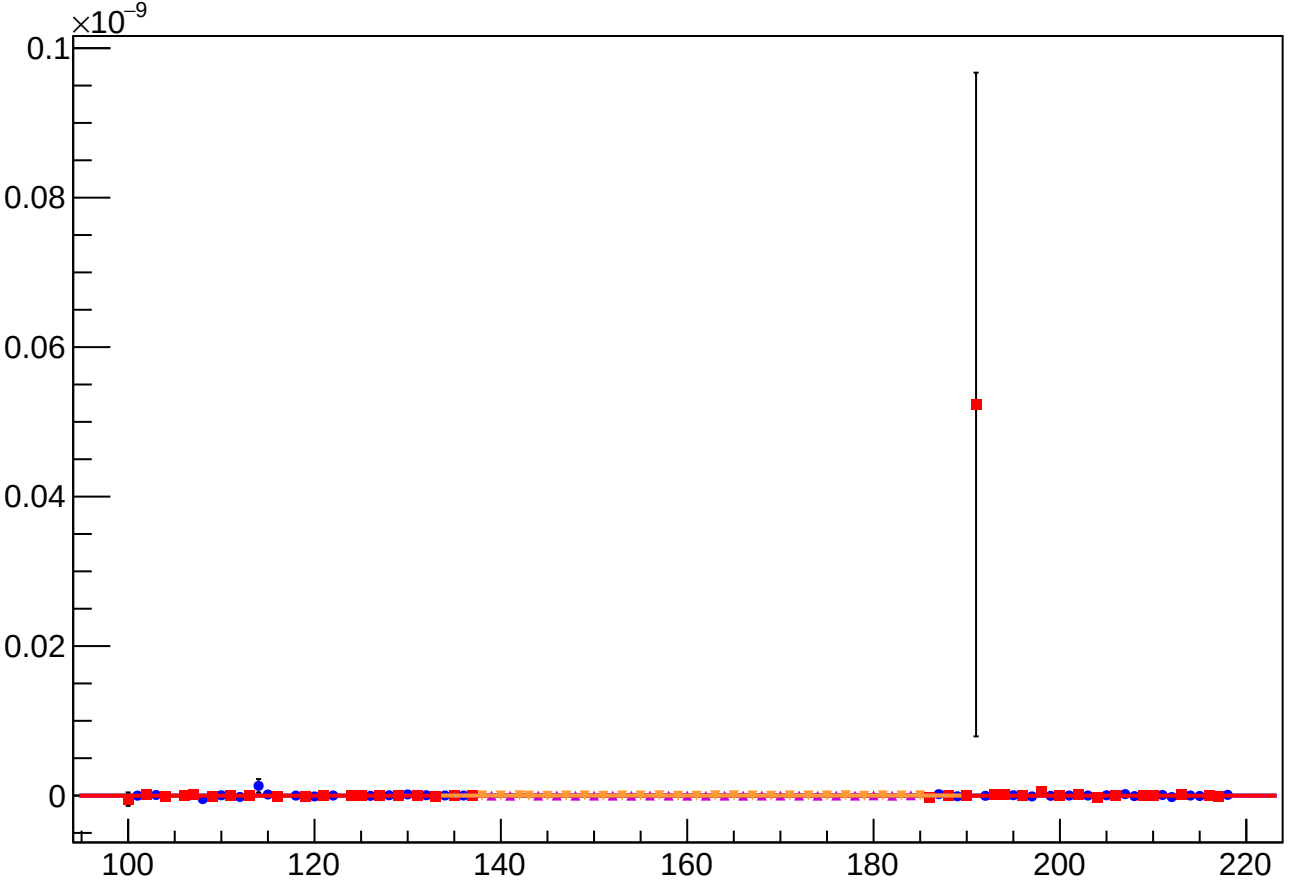
Left In: 1862.828+/-0.308 χ^2/NDF:2714.5/22

+ sign 1938.769+/-0.219 χ^2/NDF: 1106500.9/56

All: 1947.829+/-0.157 χ^2/NDF: 2744384.3/11

- sign 1957.296+/-0.224 χ^2/NDF: 1634397.1/58

asym_at1_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 38.4/31

Left Out: 0.000+/-0.000 χ^2/NDF:42.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 34.5/35

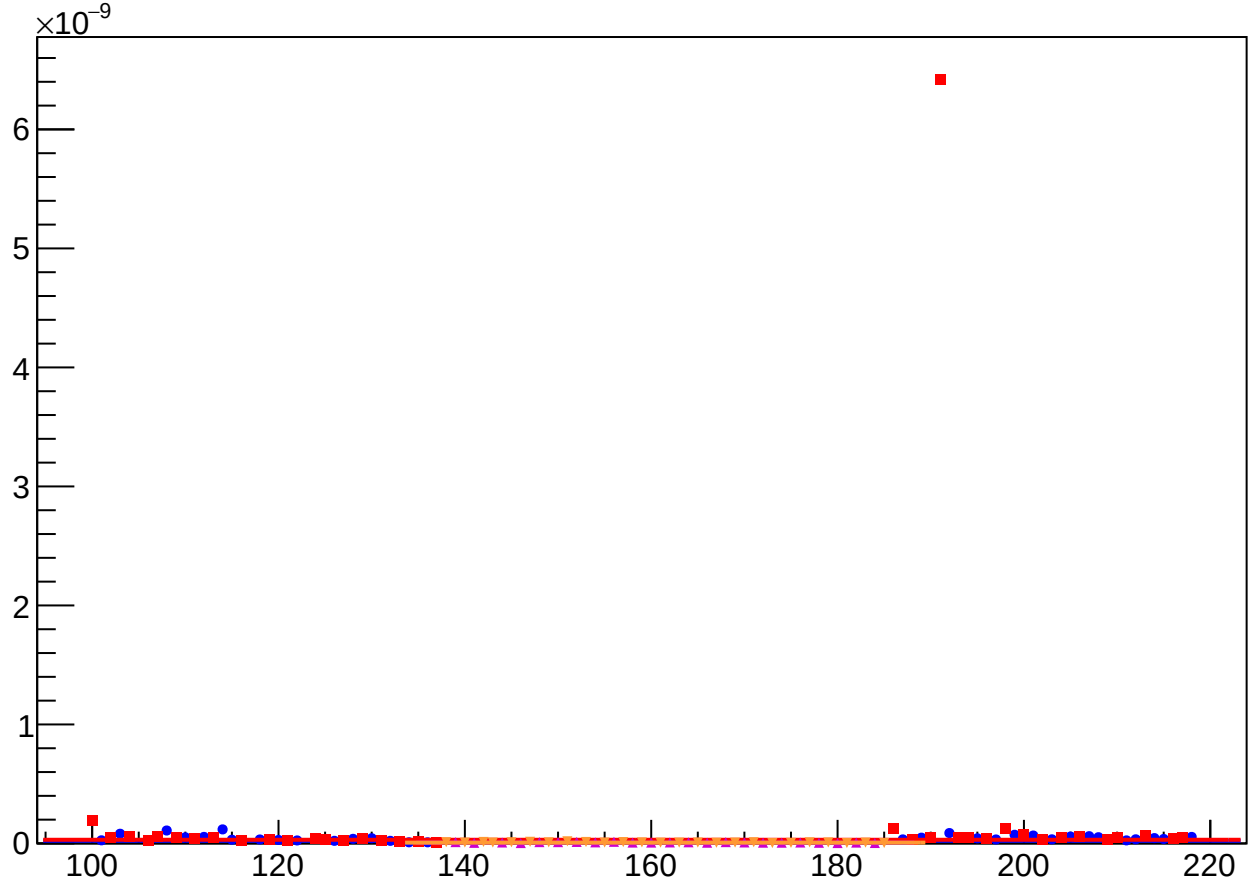
Left In: 0.000+/-0.000 χ^2/NDF:17.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 80.5/56

All: 0.000+/-0.000 χ^2/NDF: 135.7/115

- sign 0.000+/-0.000 χ^2/NDF: 54.6/58

asym_at1_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 5718366.3/31

Left Out: 0.000+/-0.000 χ^2/NDF:1843010.5/24

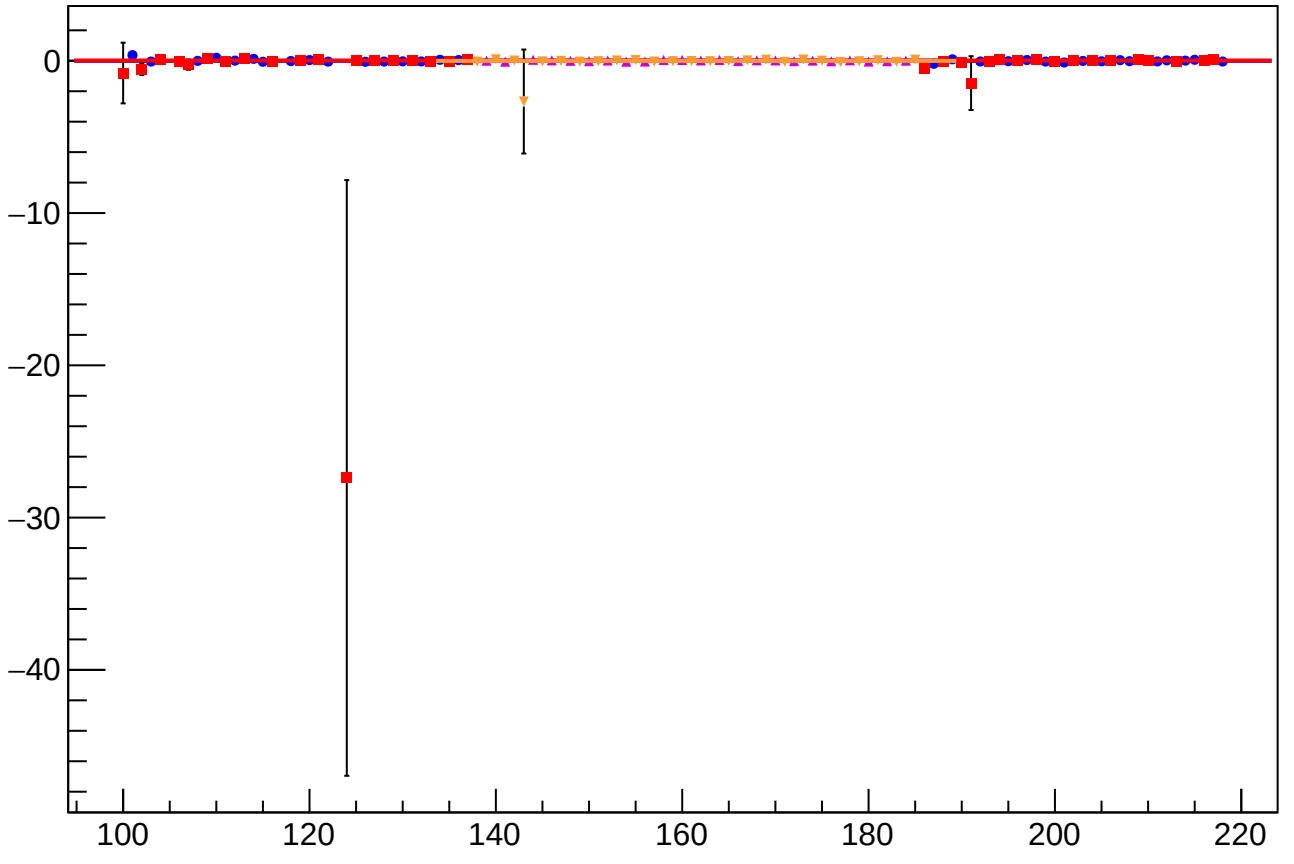
Right Out: 0.000+/-0.000 χ^2/NDF: 3901815.4/35

Left In: 0.000+/-0.000 χ^2/NDF:1477997.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 11873857.7/56

All: 0.000+/-0.000 χ^2/NDF: 23841675.0/115

- sign 0.000+/-0.000 χ^2/NDF: 11965645.2/58



Right In: -0.004+/-0.010 χ^2/NDF: 32.6/31

Left Out: -0.010+/-0.008 χ^2/NDF:39.5/24

Right Out: 0.012+/-0.011 χ^2/NDF: 30.0/35

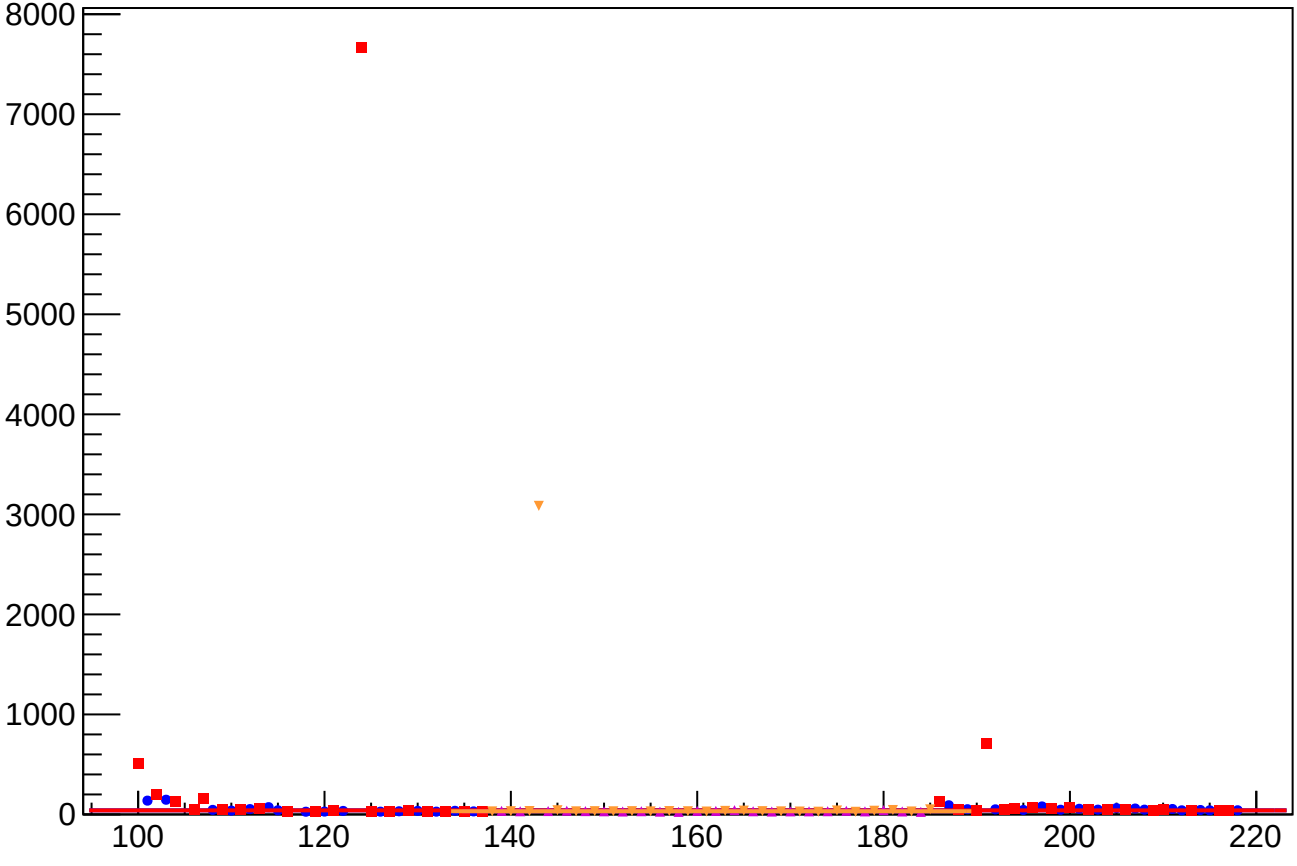
Left In: 0.004+/-0.008 χ^2/NDF:20.8/22

+ sign -0.008+/-0.006 χ^2/NDF: 72.3/56

All: -0.000+/-0.005 χ^2/NDF: 126.1/115

- sign 0.007+/-0.007 χ^2/NDF: 51.3/58

asym_at1_dd_dit_vs_cor_diff_rms vs Slug



Right In: 41.375+/-0.007 χ^2/NDF: 3364064.7/31

Left Out: 32.277+/-0.006 χ^2/NDF:2120929.6/24

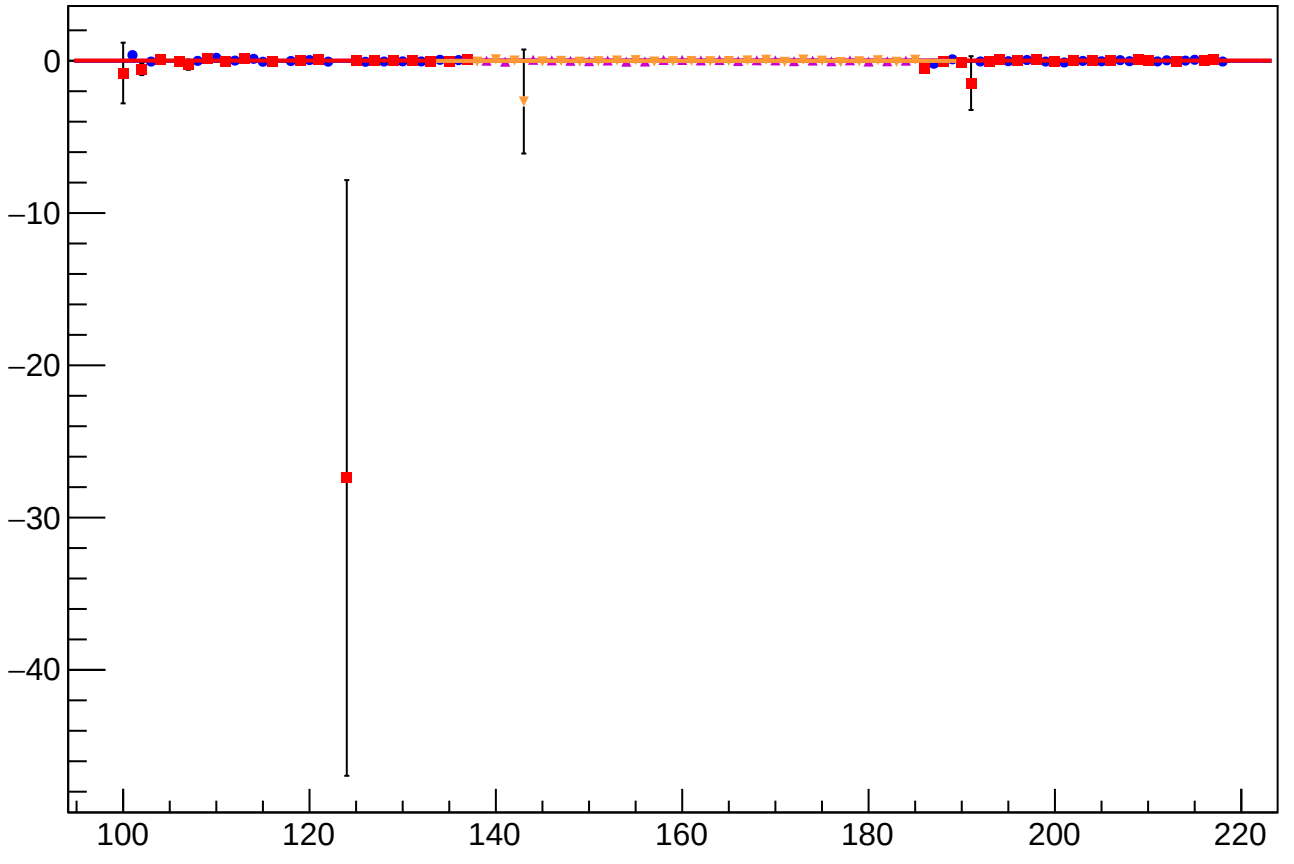
Right Out: 40.884+/-0.007 χ^2/NDF: 4359079.5/35

Left In: 32.421+/-0.006 χ^2/NDF:426084.8/22

+ sign 35.754+/-0.005 χ^2/NDF: 6418543.5/56

All: 35.702+/-0.003 χ^2/NDF: 11999444.2/115

- sign 35.649+/-0.005 χ^2/NDF: 5580639.4/58



Right In: -0.004+/-0.010 χ^2/NDF: 32.6/31

Left Out: -0.010+/-0.008 χ^2/NDF:39.5/24

Right Out: 0.012+/-0.011 χ^2/NDF: 30.0/35

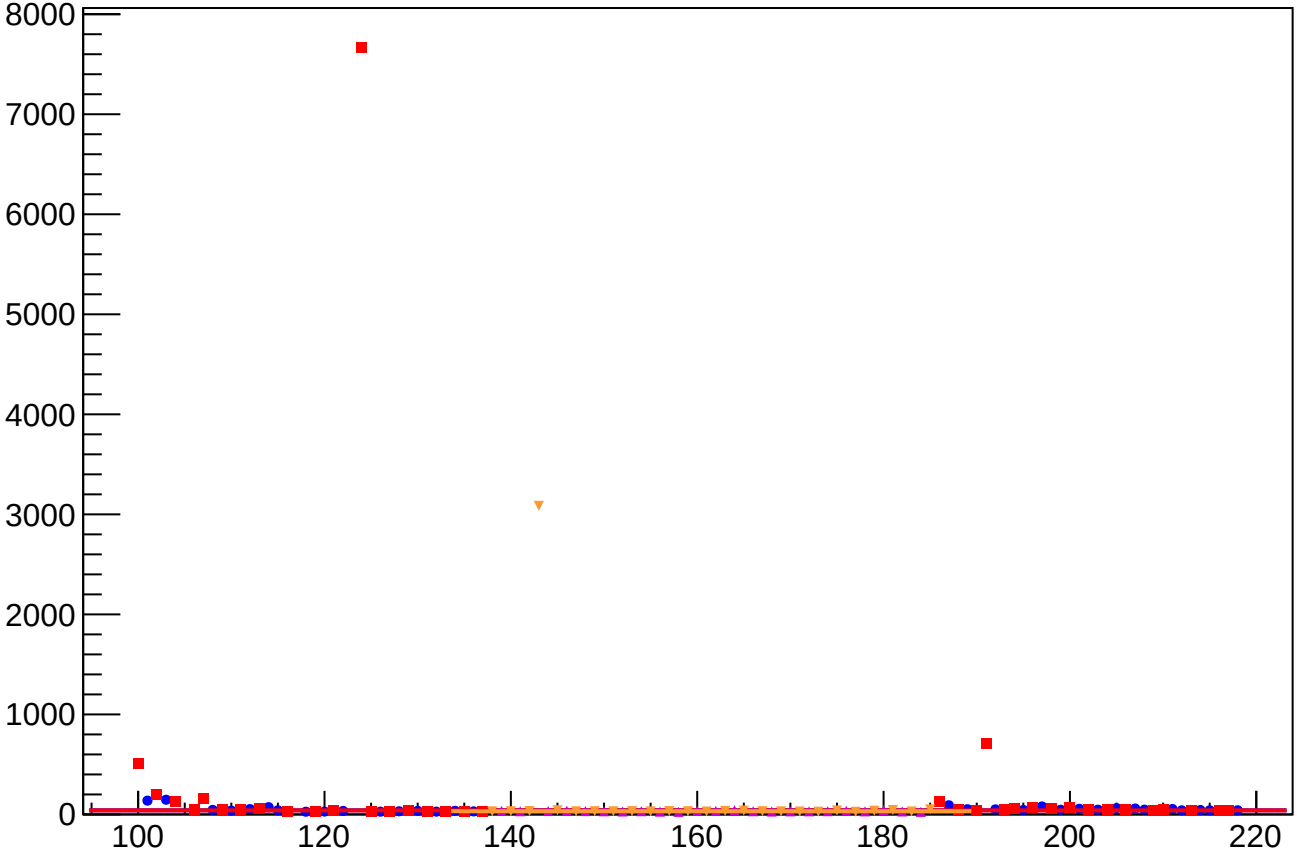
Left In: 0.004+/-0.008 χ^2/NDF:20.8/22

+ sign -0.008+/-0.006 χ^2/NDF: 72.3/56

All: -0.000+/-0.005 χ^2/NDF: 126.1/115

- sign 0.007+/-0.007 χ^2/NDF: 51.3/58

asym_at1_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 41.375+/-0.007 χ^2/NDF: 3364064.7/31

Left Out: 32.277+/-0.006 χ^2/NDF:2120929.6/24

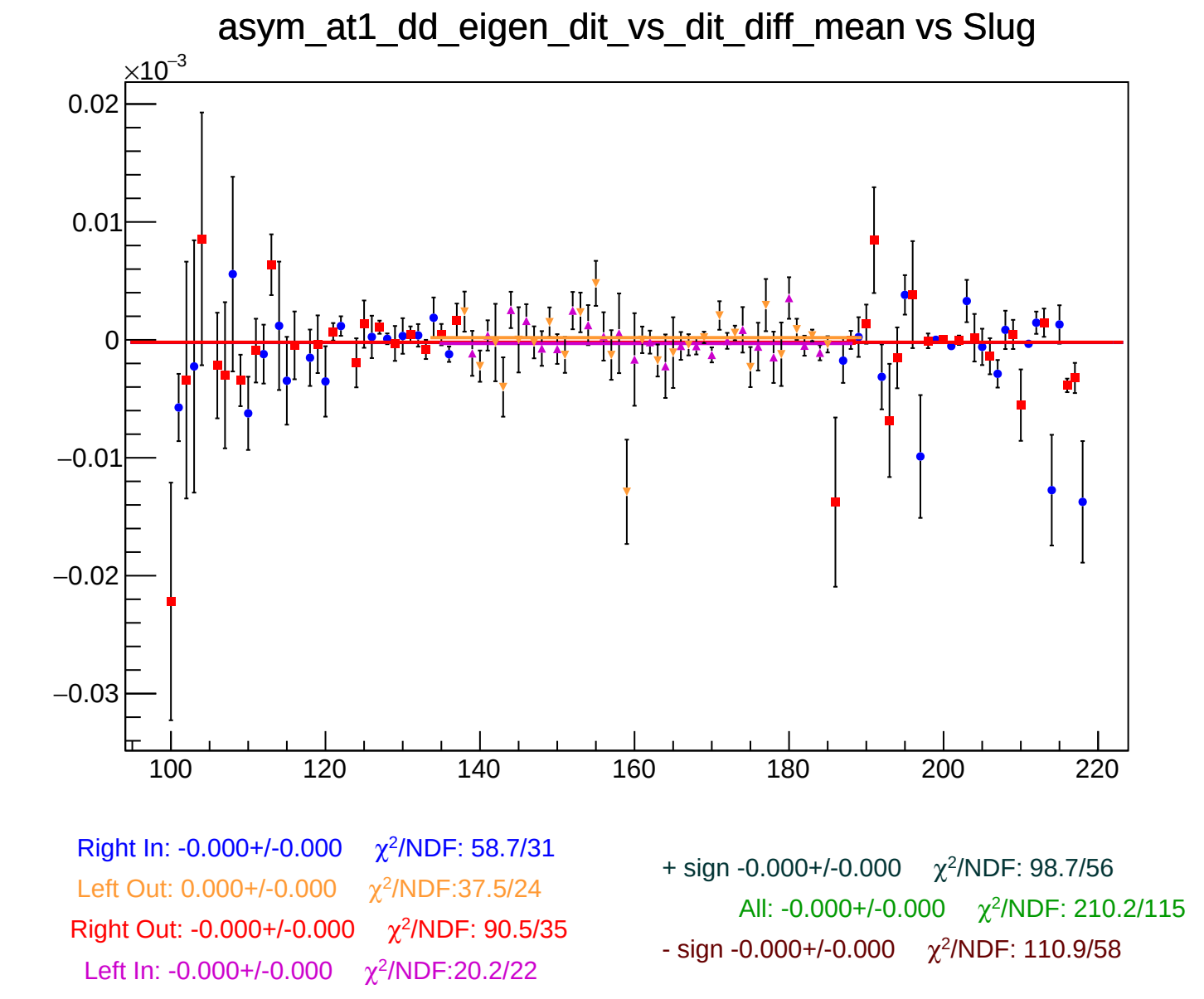
Right Out: 40.884+/-0.007 χ^2/NDF: 4359079.5/35

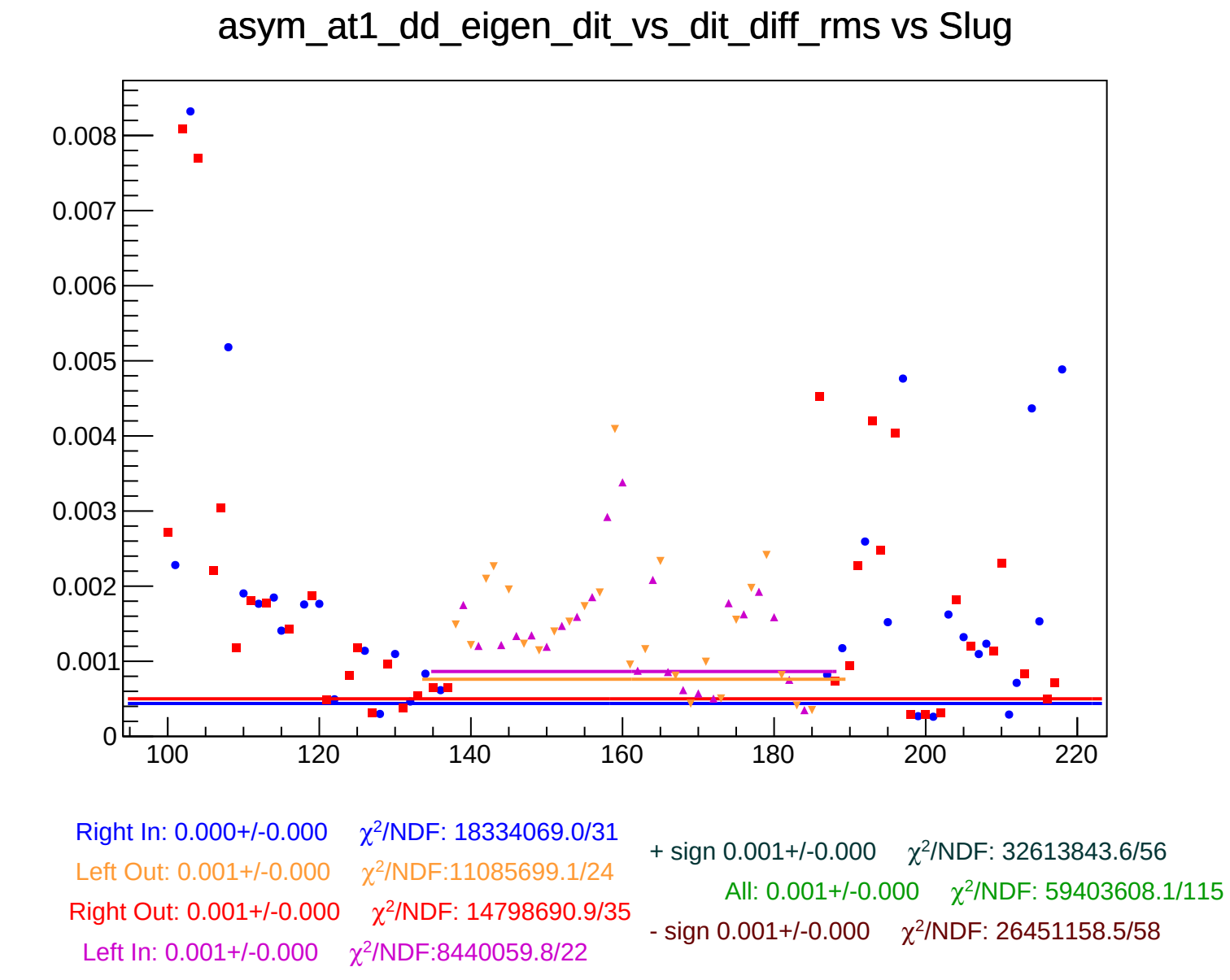
Left In: 32.421+/-0.006 χ^2/NDF:426084.8/22

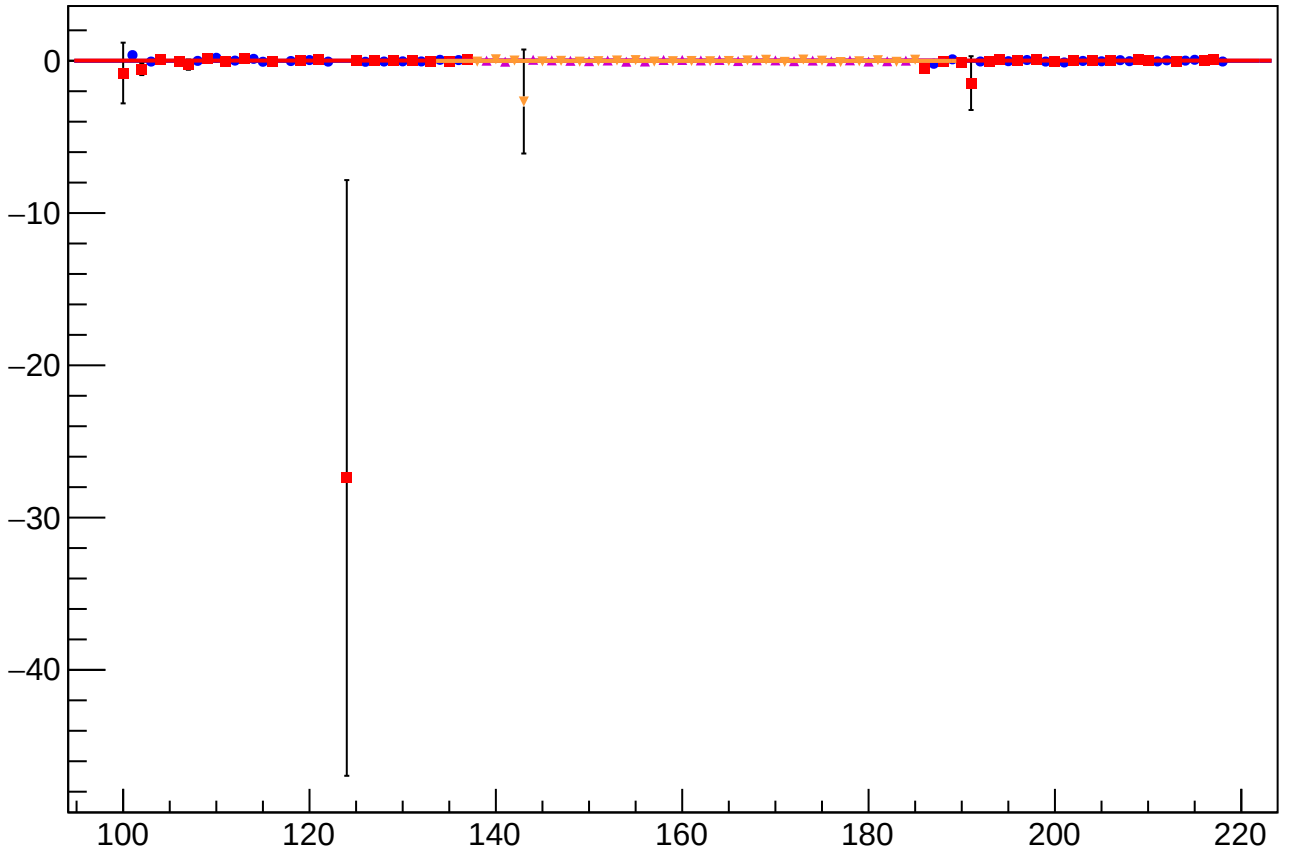
+ sign 35.754+/-0.005 χ^2/NDF: 6418543.5/56

All: 35.702+/-0.003 χ^2/NDF: 11999444.2/115

- sign 35.649+/-0.005 χ^2/NDF: 5580639.4/58


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
200
220
Right In: -0.000+/-0.000 χ²/NDF: 58.7/31
Left Out: 0.000+/-0.000 χ²/NDF:37.5/24
Right Out: -0.000+/-0.000 χ²/NDF: 90.5/35
Left In: -0.000+/-0.000 χ²/NDF:20.2/22
+ sign -0.000+/-0.000 χ²/NDF: 98.7/56
All: -0.000+/-0.000 χ²/NDF: 210.2/115
- sign -0.000+/-0.000 χ²/NDF: 110.9/58


asym_at1_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.008
0.007
0.006
0.005
0.004
0.003
0.002
0.001
0
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 18334069.0/31
Left Out: 0.001+/-0.000 χ²/NDF:11085699.1/24
Right Out: 0.001+/-0.000 χ²/NDF: 14798690.9/35
Left In: 0.001+/-0.000 χ²/NDF:8440059.8/22
+ sign 0.001+/-0.000 χ²/NDF: 32613843.6/56
All: 0.001+/-0.000 χ²/NDF: 59403608.1/115
- sign 0.001+/-0.000 χ²/NDF: 26451158.5/58



Right In: -0.004+/-0.010 χ^2/NDF: 32.6/31

Left Out: -0.010+/-0.008 χ^2/NDF:39.5/24

Right Out: 0.012+/-0.011 χ^2/NDF: 30.0/35

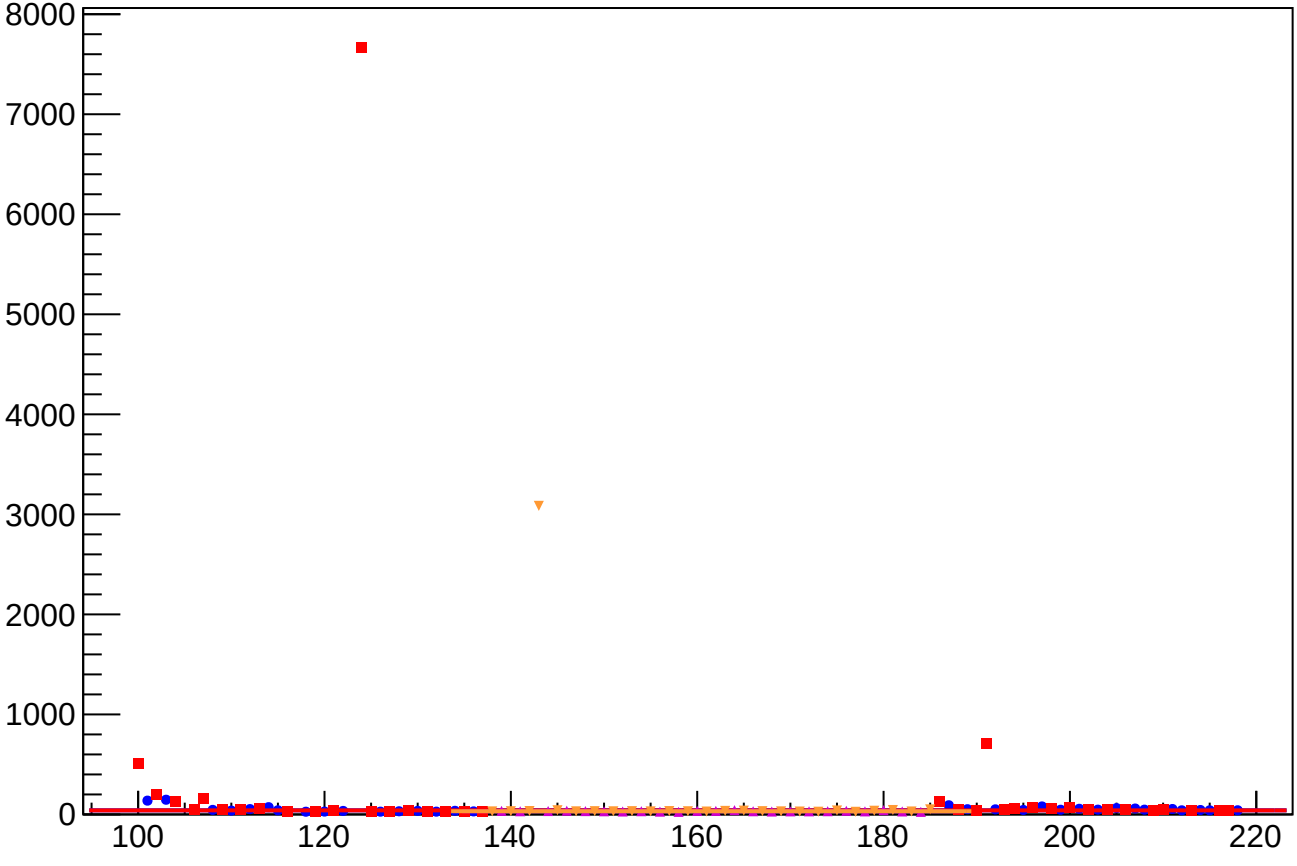
Left In: 0.004+/-0.008 χ^2/NDF:20.8/22

+ sign -0.008+/-0.006 χ^2/NDF: 72.3/56

All: -0.000+/-0.005 χ^2/NDF: 126.1/115

- sign 0.007+/-0.007 χ^2/NDF: 51.3/58

asym_at1_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 41.375+/-0.007 χ^2/NDF: 3364058.2/31

Left Out: 32.277+/-0.006 χ^2/NDF:2120971.9/24

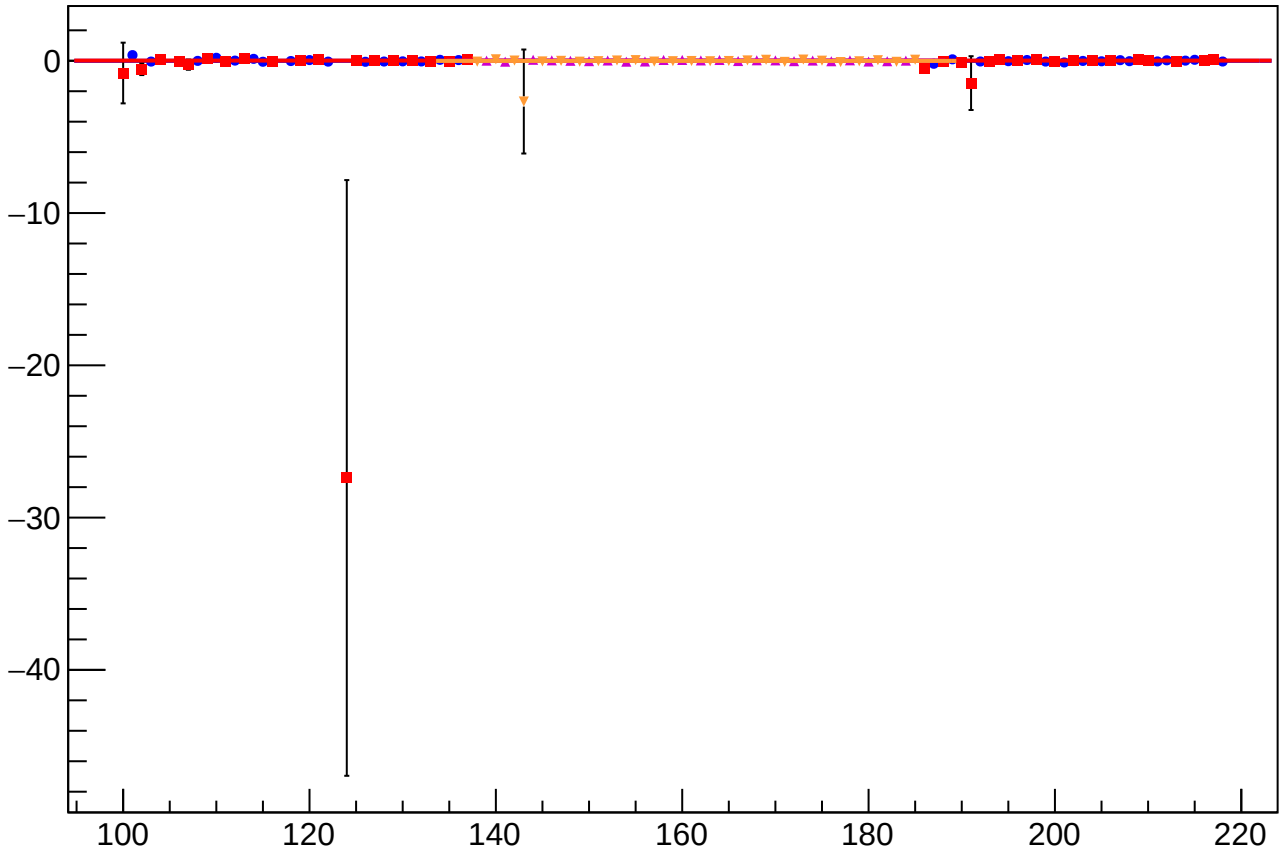
Right Out: 40.884+/-0.007 χ^2/NDF: 4359094.4/35

Left In: 32.422+/-0.006 χ^2/NDF:426001.5/22

+ sign 35.754+/-0.005 χ^2/NDF: 6418599.7/56

All: 35.702+/-0.003 χ^2/NDF: 11999384.7/115

- sign 35.649+/-0.005 χ^2/NDF: 5580524.7/58



Right In: -0.004+/-0.010 χ^2/NDF: 32.6/31

Left Out: -0.010+/-0.008 χ^2/NDF:39.5/24

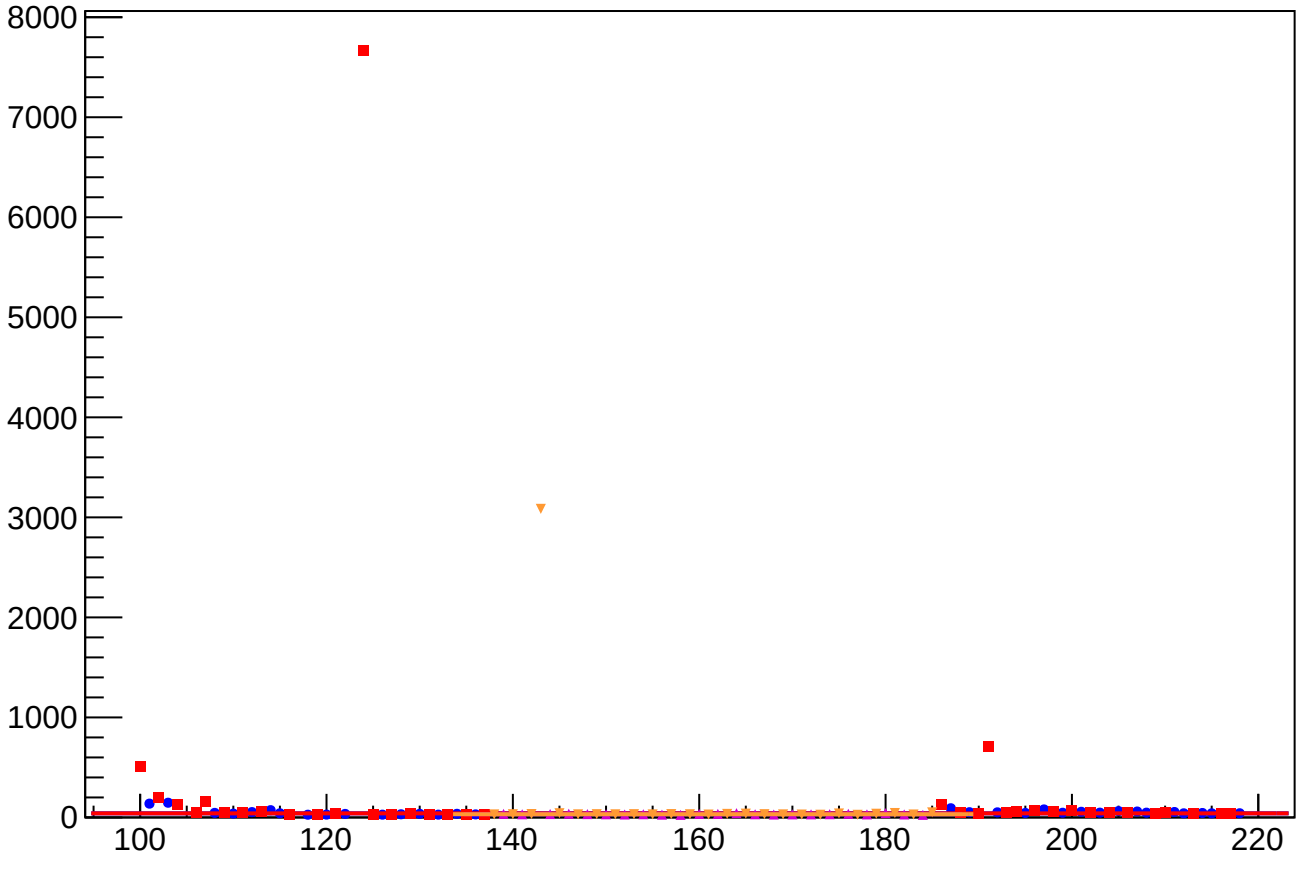
Right Out: 0.012+/-0.011 χ^2/NDF: 30.0/35

Left In: 0.004+/-0.008 χ^2/NDF:20.8/22

+ sign -0.008+/-0.006 χ^2/NDF: 72.3/56

All: -0.000+/-0.005 χ^2/NDF: 126.1/115

- sign 0.007+/-0.007 χ^2/NDF: 51.3/58



Right In: 41.375+/-0.007 χ^2/NDF: 3364058.2/31

Left Out: 32.277+/-0.006 χ^2/NDF:2120971.9/24

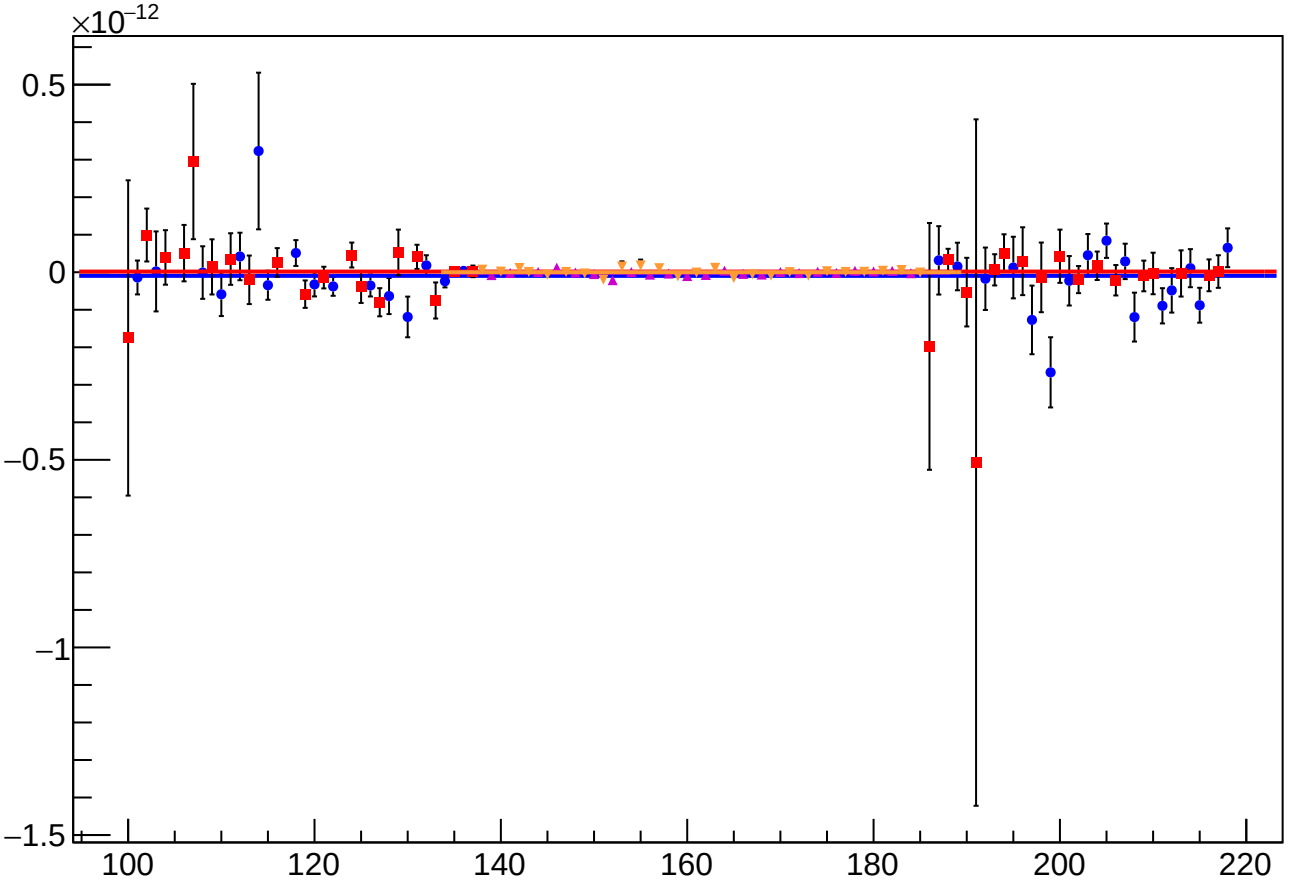
Right Out: 40.884+/-0.007 χ^2/NDF: 4359094.4/35

Left In: 32.422+/-0.006 χ^2/NDF:426001.5/22

+ sign 35.754+/-0.005 χ^2/NDF: 6418599.7/56

All: 35.702+/-0.003 χ^2/NDF: 11999384.7/115

- sign 35.649+/-0.005 χ^2/NDF: 5580524.7/58



Right In: -0.000+/-0.000 χ^2/NDF: 46.0/31

Left Out: 0.000+/-0.000 χ^2/NDF:21.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 25.4/35

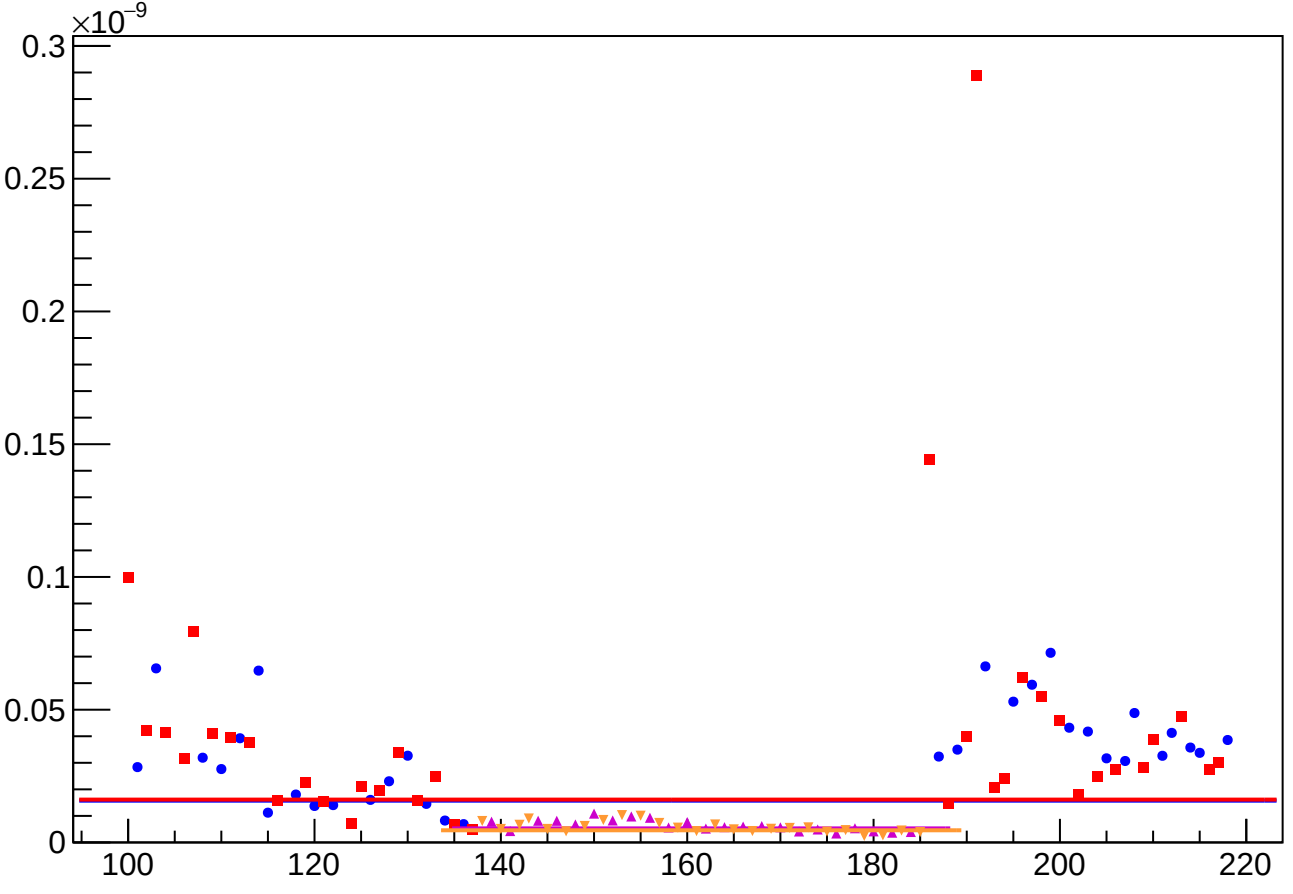
Left In: -0.000+/-0.000 χ^2/NDF:9.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 69.7/56

All: -0.000+/-0.000 χ^2/NDF: 104.4/115

- sign -0.000+/-0.000 χ^2/NDF: 34.7/58

asym_at1_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 9687008.7/31

Left Out: 0.000+/-0.000 χ^2/NDF:2796753.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7912057.5/35

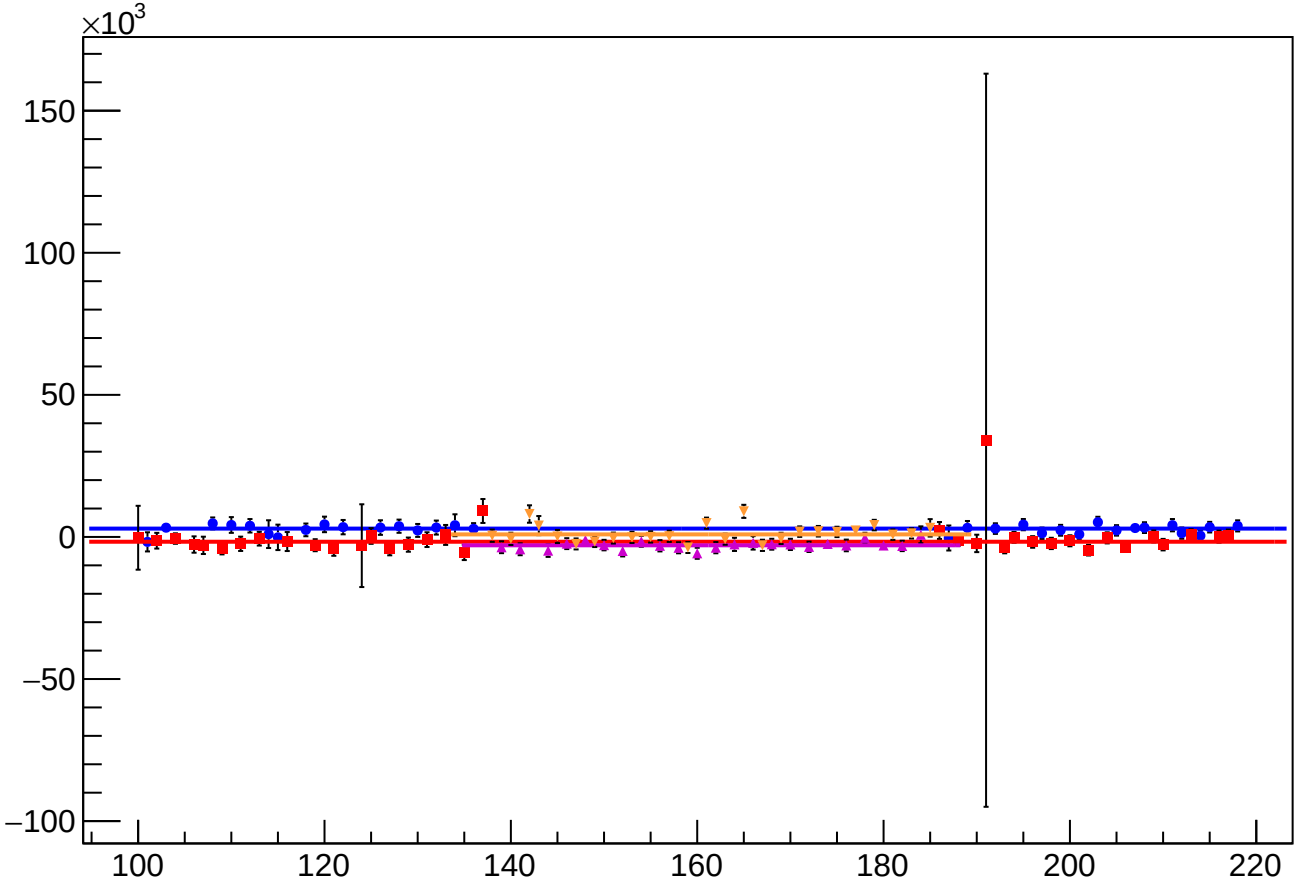
Left In: 0.000+/-0.000 χ^2/NDF:2230717.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 19285255.2/56

All: 0.000+/-0.000 χ^2/NDF: 35418419.7/115

- sign 0.000+/-0.000 χ^2/NDF: 15866159.4/58

reg_asym_at2_avg_mean vs Slug



Right In: 2937.462+/-391.310 χ^2/NDF: 11.6/31

Left Out: 898.921+/-405.540 χ^2/NDF:45.3/24

Right Out: -1687.142+/-392.164 χ^2/NDF: 27.3/35

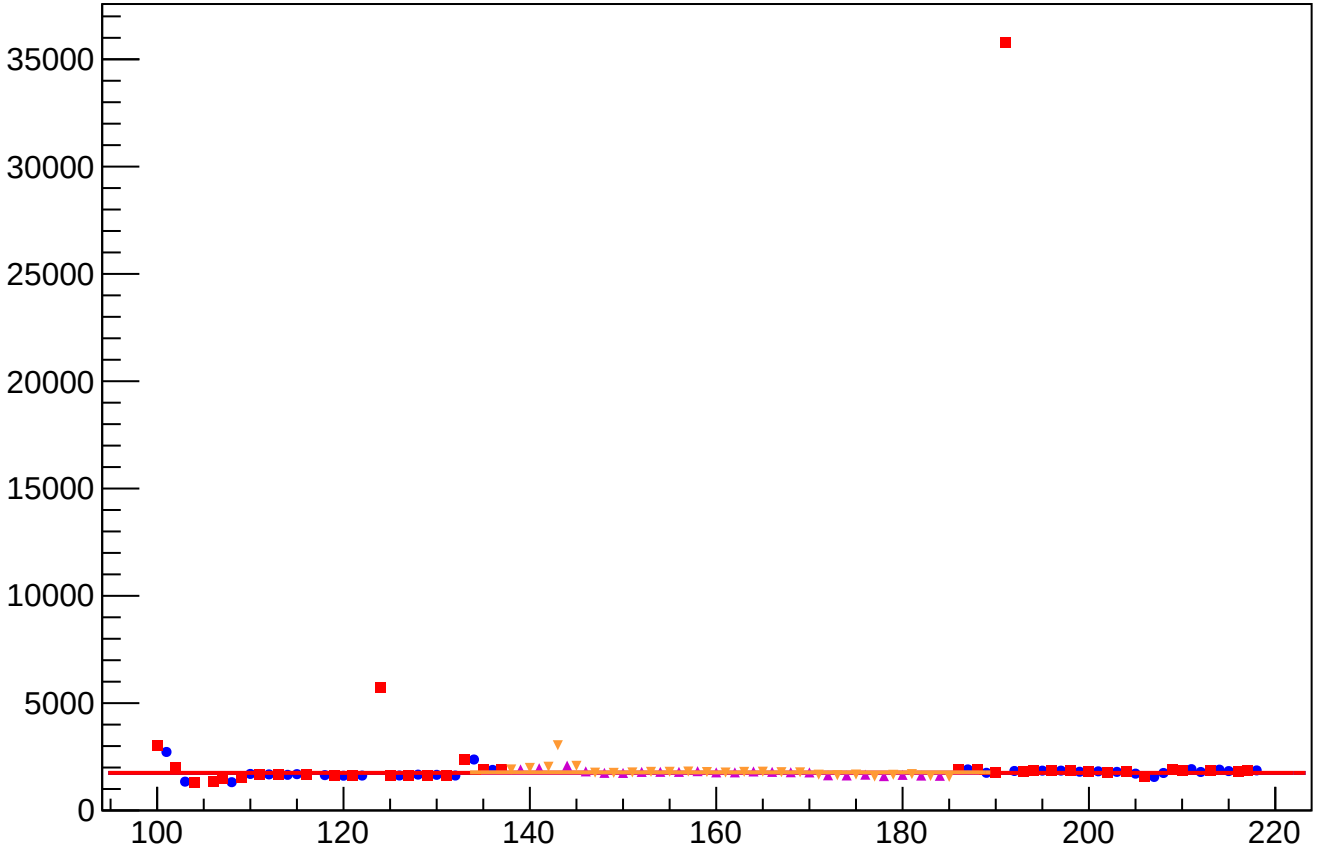
Left In: -2943.285+/-412.069 χ^2/NDF:10.6/22

+ sign 1954.584+/-281.595 χ^2/NDF: 70.0/56

All: -146.169+/-199.990 χ^2/NDF: 225.0/115

- sign -2284.143+/-284.078 χ^2/NDF: 42.7/58

reg_asym_at2_avg_rms vs Slug



Right In: 1745.696+/-0.277 χ^2/NDF: 540427.1/31

Left Out: 1774.731+/-0.287 χ^2/NDF:446895.8/24

Right Out: 1750.784+/-0.277 χ^2/NDF: 735597.8/35

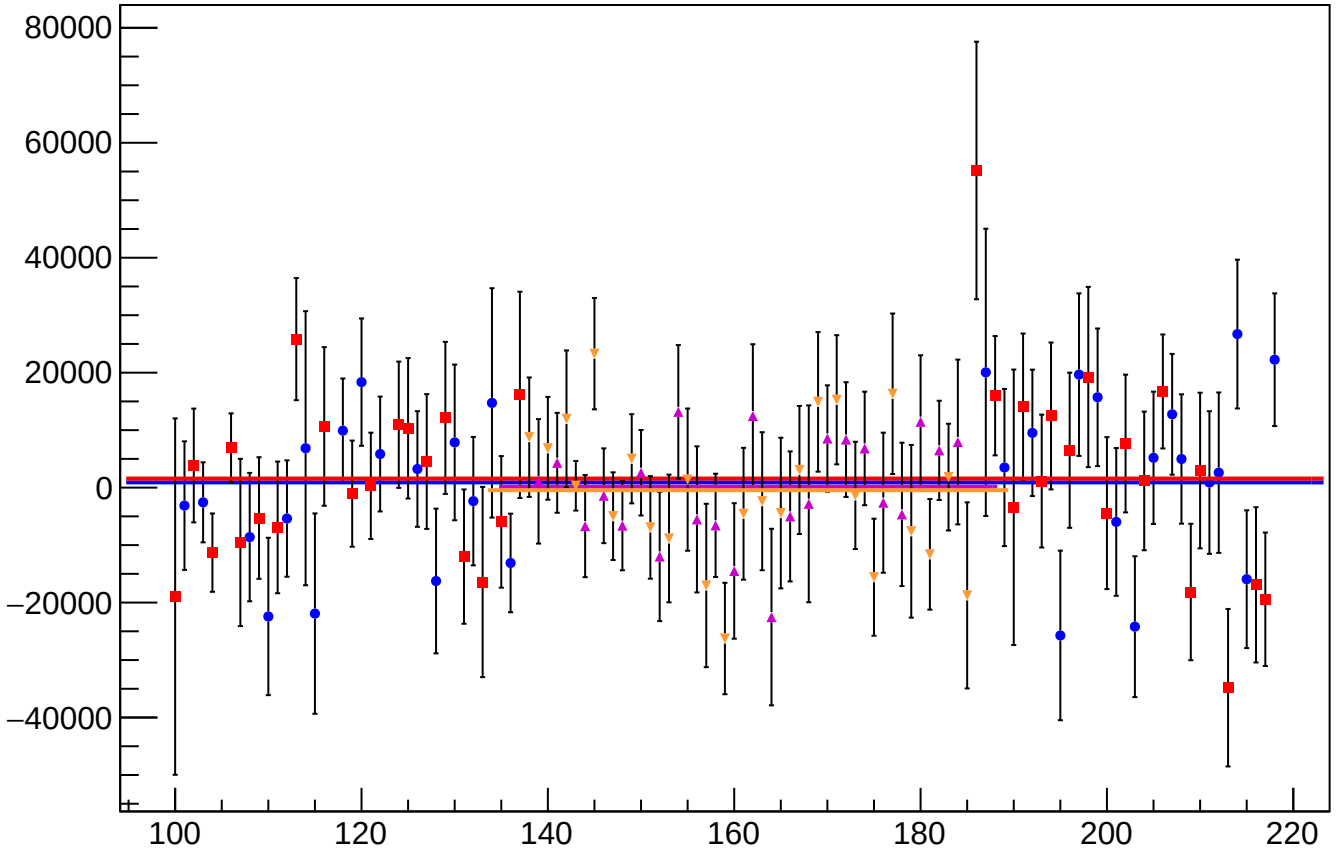
Left In: 1761.089+/-0.291 χ^2/NDF:146266.6/22

+ sign 1759.695+/-0.199 χ^2/NDF: 992631.7/56

All: 1757.706+/-0.141 χ^2/NDF: 1875353.8/11

- sign 1755.681+/-0.201 χ^2/NDF: 882520.7/58

asym_at2_avg_reg_correction_mean vs Slug



Right In: 909.375+/-2067.671 χ^2/NDF: 38.5/31

Left Out: -443.346+/-1925.604 χ^2/NDF:29.5/24

Right Out: 1580.477+/-1916.841 χ^2/NDF: 46.3/35

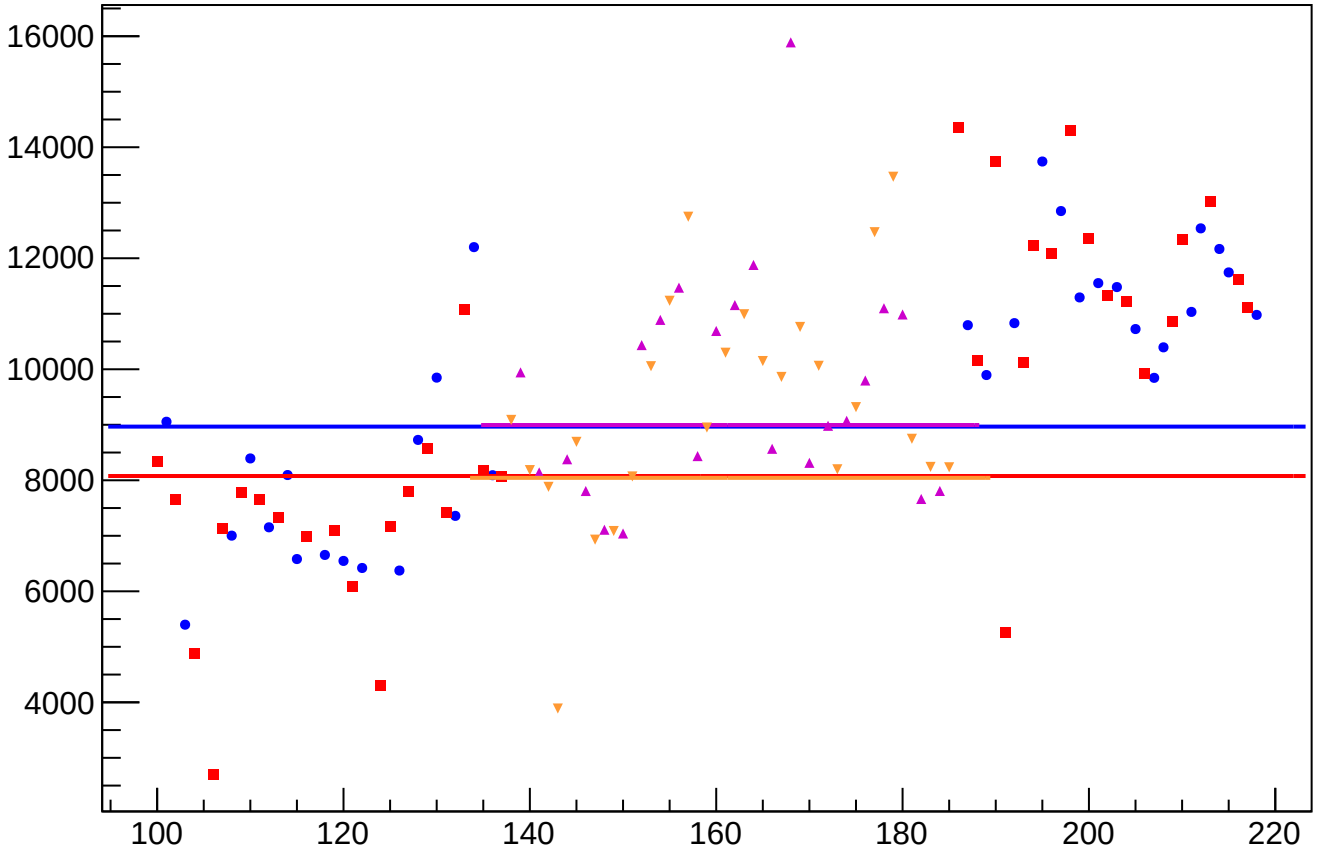
Left In: 155.268+/-2143.489 χ^2/NDF:13.8/22

+ sign 184.950+/-1409.158 χ^2/NDF: 68.2/56

All: 560.778+/-1003.313 χ^2/NDF: 128.7/115

- sign 947.181+/-1428.846 χ^2/NDF: 60.3/58

asym_at2_avg_reg_correction_rms vs Slug



Right In: 8967.011+/-1.462 χ^2/NDF: 2555270.9/31

Left Out: 8043.834+/-1.362 χ^2/NDF:3362838.6/24

Right Out: 8076.971+/-1.355 χ^2/NDF: 5153806.0/35

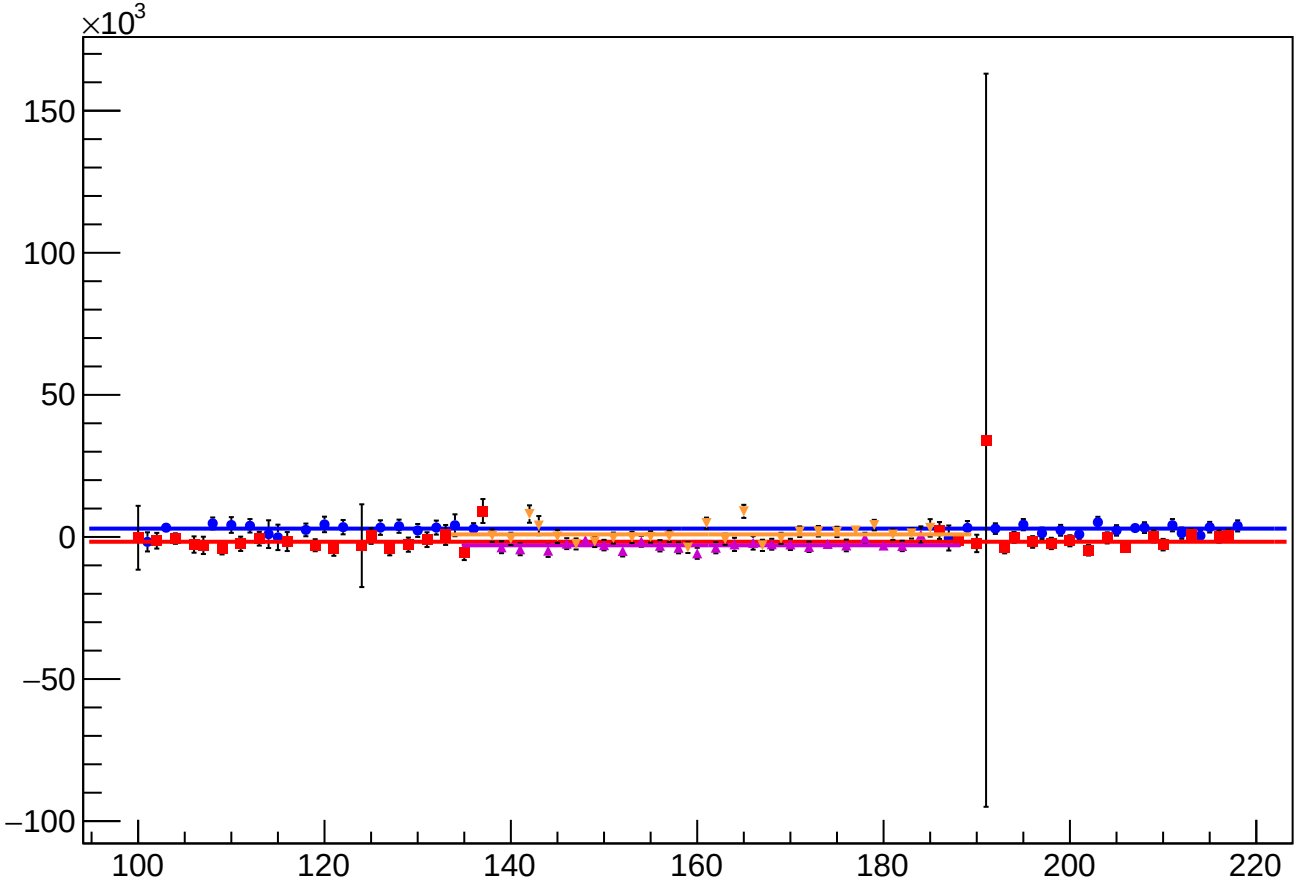
Left In: 8995.626+/-1.516 χ^2/NDF:1207133.5/22

+ sign 8472.620+/-0.996 χ^2/NDF: 6131621.6/56

All: 8478.812+/-0.709 χ^2/NDF: 12696762.2/1

- sign 8485.177+/-1.010 χ^2/NDF: 6565062.3/58

cor_asym_at2_avg_mean vs Slug



Right In: 2937.497+/-391.310 χ^2/NDF: 11.6/31

Left Out: 898.842+/-405.540 χ^2/NDF:45.3/24

Right Out: -1687.086+/-392.164 χ^2/NDF: 27.3/35

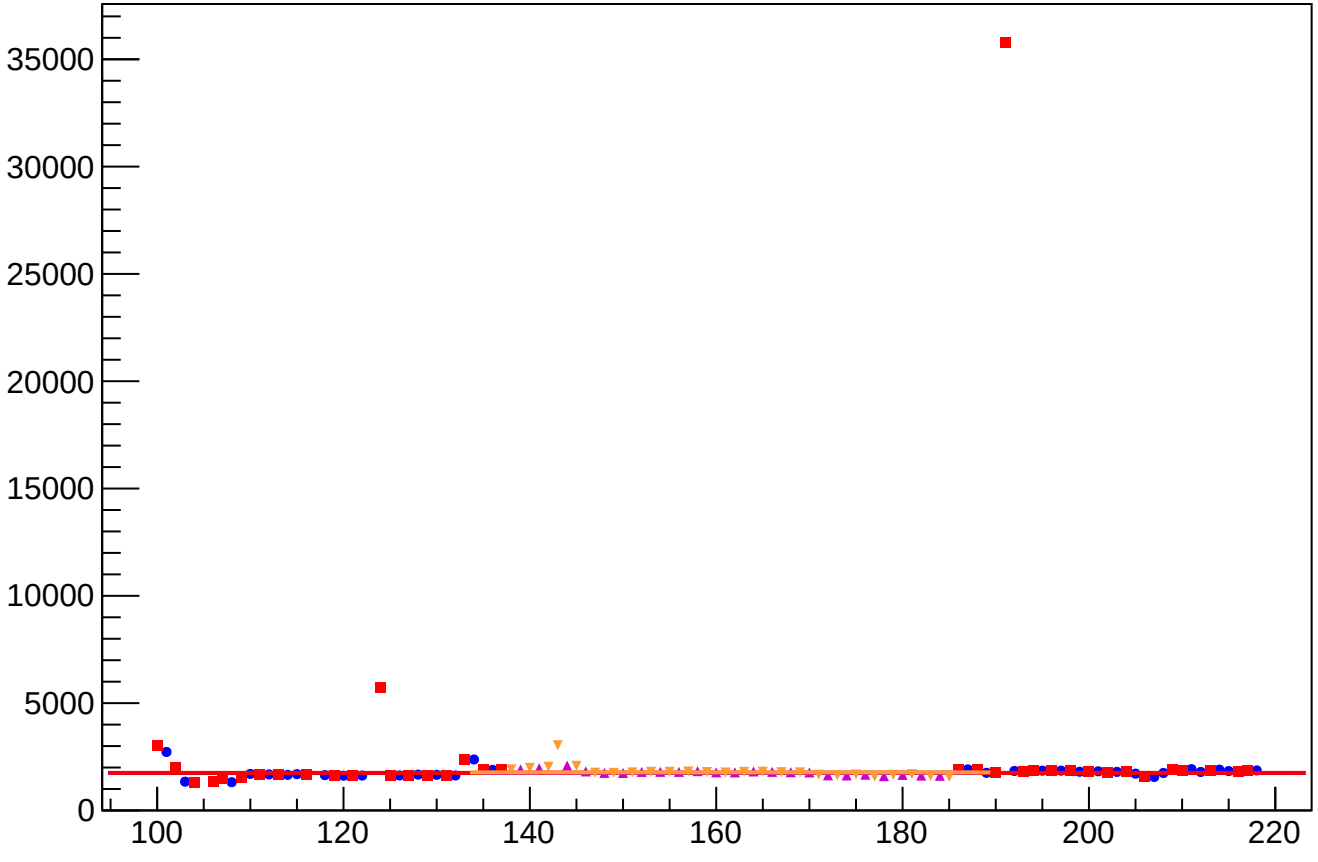
Left In: -2943.173+/-412.069 χ^2/NDF:10.6/22

+ sign 1954.563+/-281.595 χ^2/NDF: 70.0/56

All: -146.139+/-199.990 χ^2/NDF: 225.0/115

- sign -2284.060+/-284.078 χ^2/NDF: 42.7/58

cor_asym_at2_avg_rms vs Slug



Right In: 1745.696+/-0.277 χ^2/NDF: 540427.6/31

Left Out: 1774.731+/-0.287 χ^2/NDF:446895.7/24

Right Out: 1750.784+/-0.277 χ^2/NDF: 735598.0/35

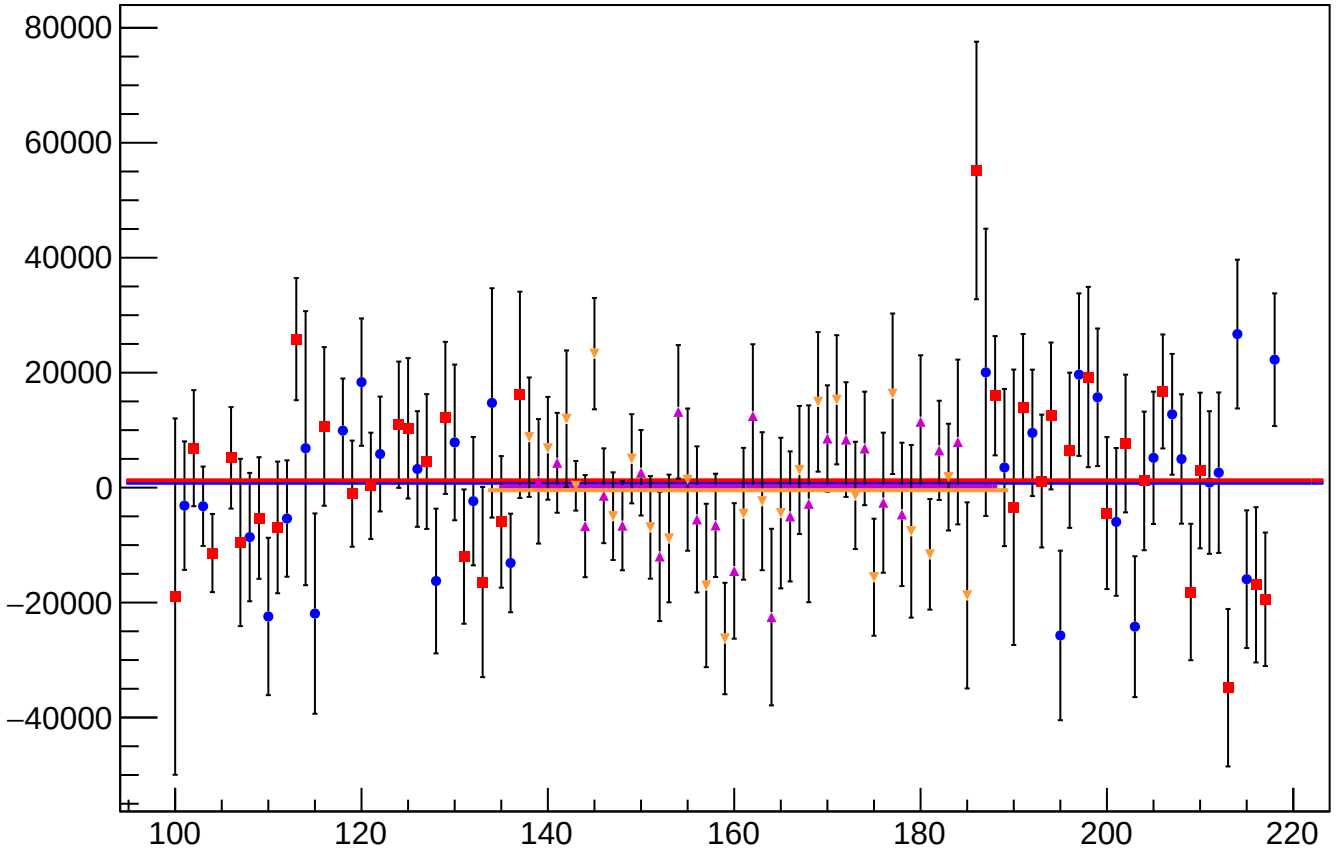
Left In: 1761.089+/-0.291 χ^2/NDF:146266.6/22

+ sign 1759.695+/-0.199 χ^2/NDF: 992632.1/56

All: 1757.706+/-0.141 χ^2/NDF: 1875354.5/11

- sign 1755.681+/-0.201 χ^2/NDF: 882520.9/58

asym_at2_avg_cor_correction_mean vs Slug



Right In: 843.275+/-2066.101 χ^2/NDF: 38.6/31

Left Out: -443.387+/-1925.600 χ^2/NDF:29.5/24

Right Out: 1270.520+/-1973.996 χ^2/NDF: 45.9/35

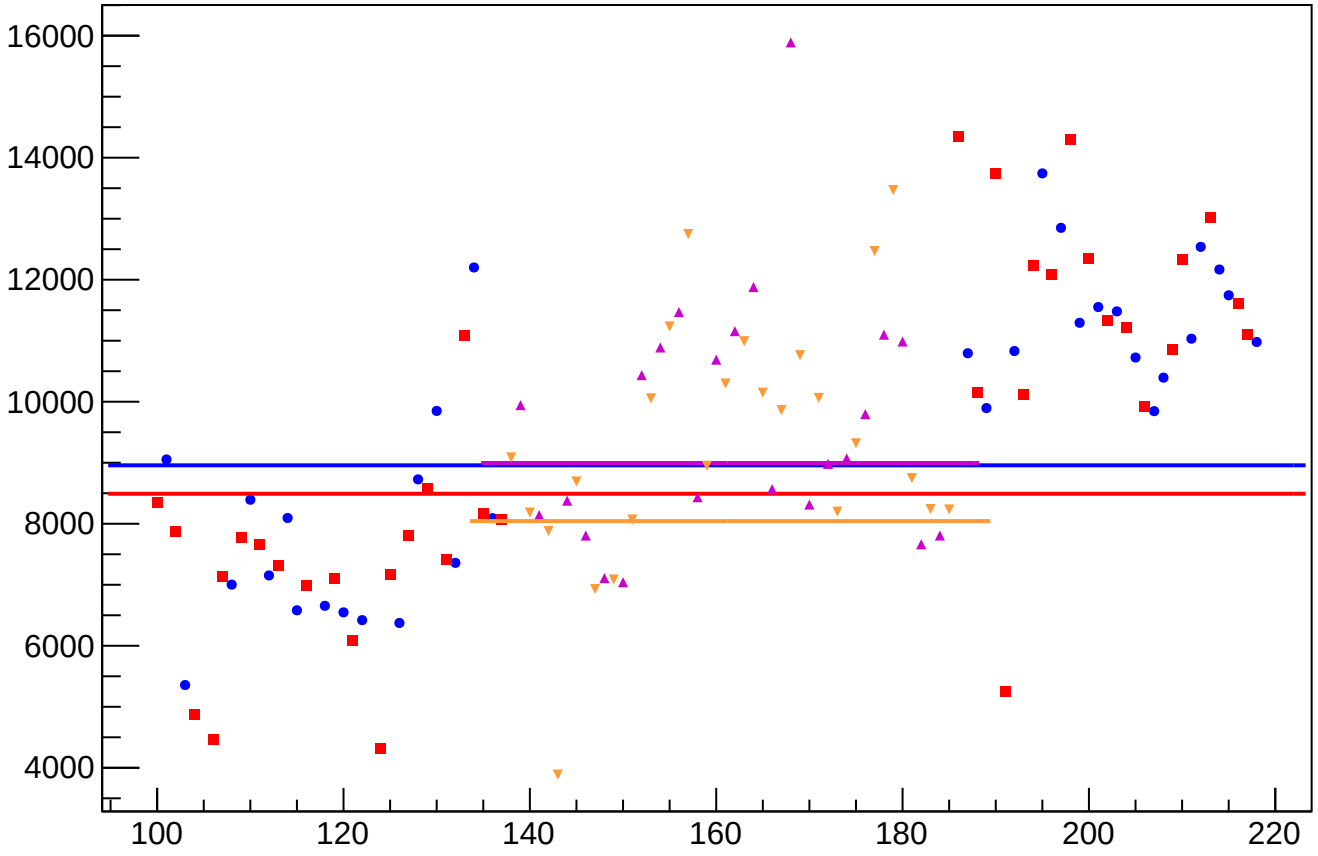
Left In: 155.239+/-2143.487 χ^2/NDF:13.8/22

+ sign 154.711+/-1408.659 χ^2/NDF: 68.3/56

All: 447.551+/-1011.066 χ^2/NDF: 128.2/115

- sign 758.711+/-1452.054 χ^2/NDF: 59.9/58

asym_at2_avg_cor_correction_rms vs Slug



Right In: 8957.796+/-1.461 χ^2/NDF: 2576991.3/31

Left Out: 8043.808+/-1.362 χ^2/NDF:3362915.7/24

Right Out: 8491.779+/-1.396 χ^2/NDF: 3777380.6/35

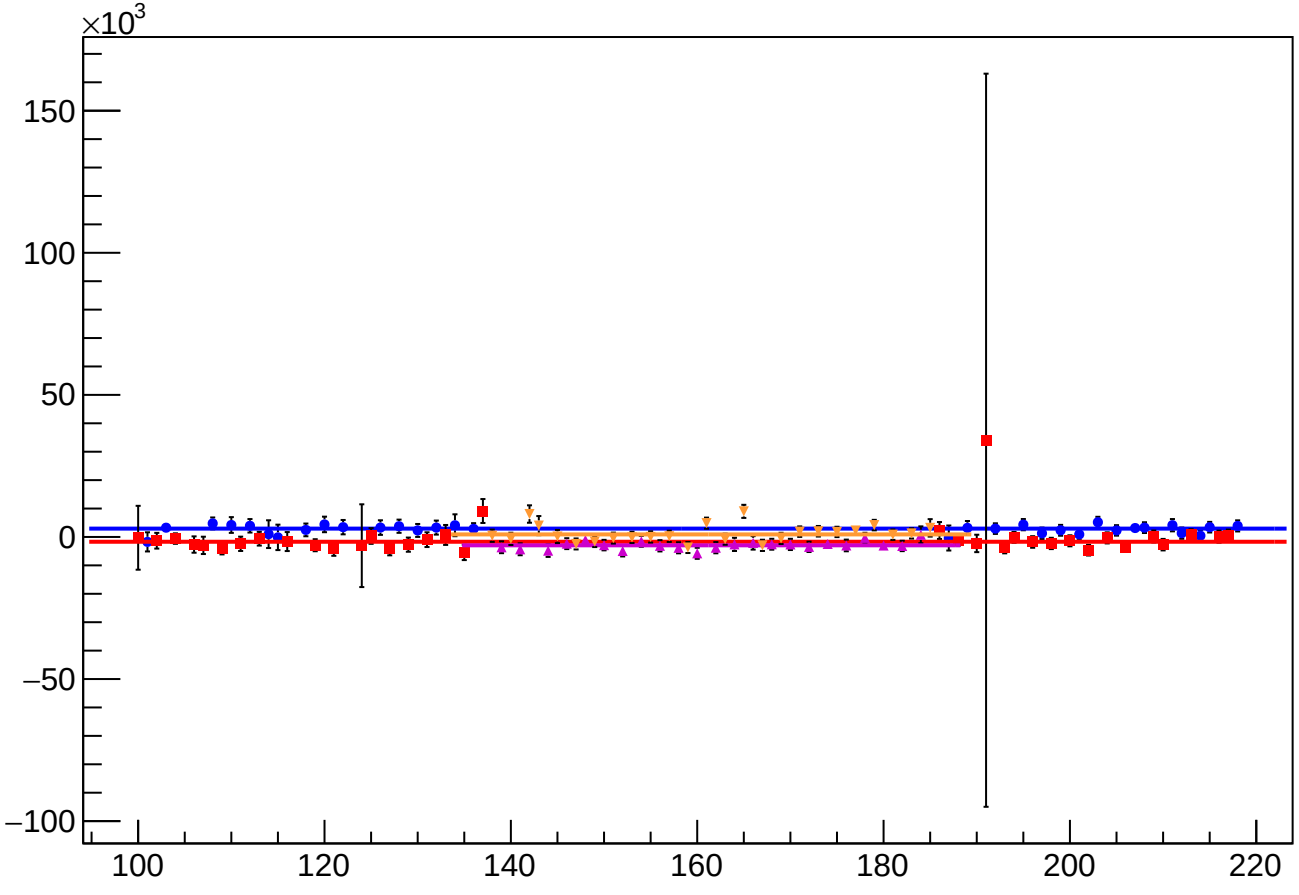
Left In: 8995.616+/-1.516 χ^2/NDF:1207139.1/22

+ sign 8468.671+/-0.996 χ^2/NDF: 6149359.9/56

All: 8591.975+/-0.715 χ^2/NDF: 11225278.0/1

- sign 8722.993+/-1.027 χ^2/NDF: 5044311.5/58

eigen_cor_asym_at2_avg_mean vs Slug



Right In: 2937.497+/-391.310 χ^2/NDF: 11.6/31

Left Out: 898.842+/-405.540 χ^2/NDF:45.3/24

Right Out: -1687.086+/-392.164 χ^2/NDF: 27.3/35

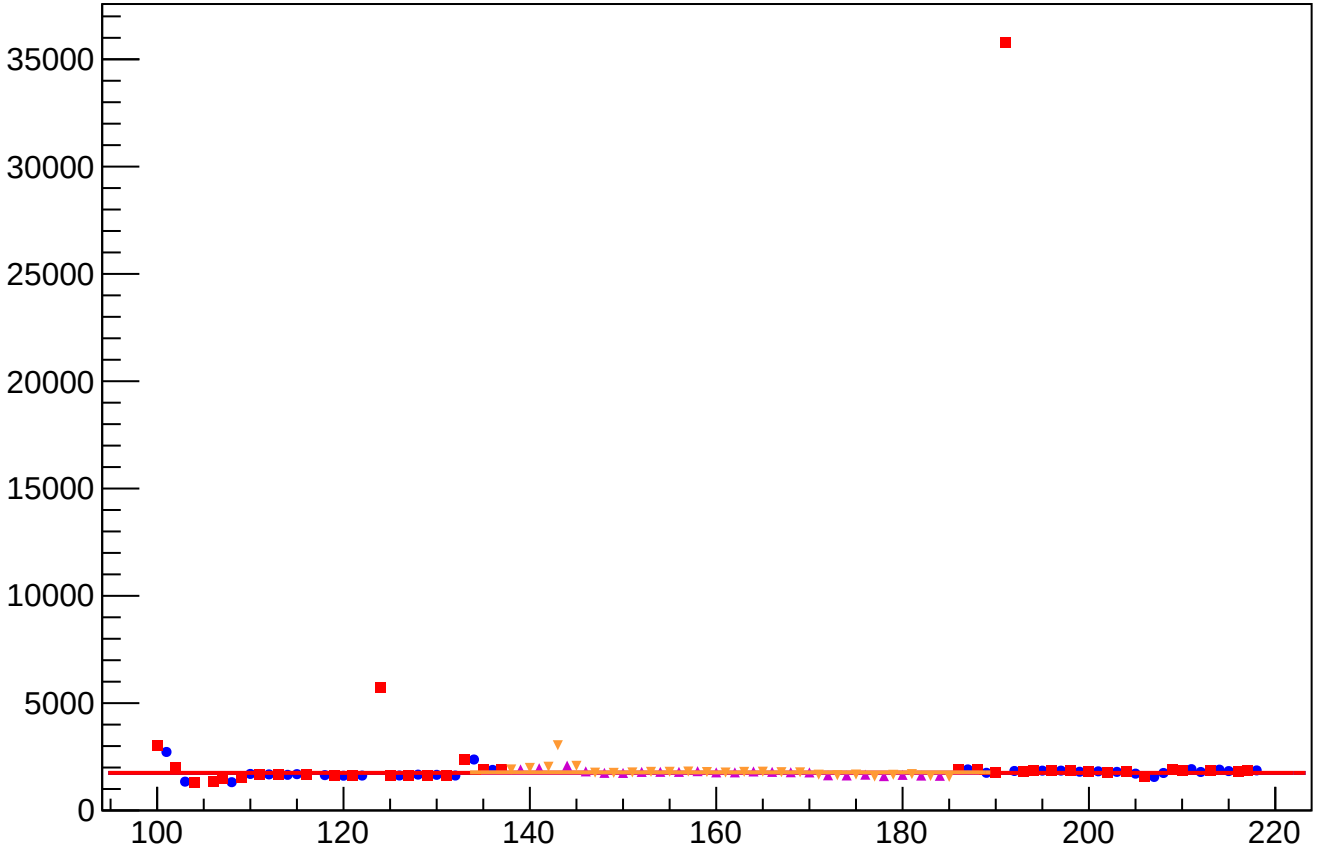
Left In: -2943.173+/-412.069 χ^2/NDF:10.6/22

+ sign 1954.563+/-281.595 χ^2/NDF: 70.0/56

All: -146.139+/-199.990 χ^2/NDF: 225.0/115

- sign -2284.060+/-284.078 χ^2/NDF: 42.7/58

eigen_cor_asym_at2_avg_rms vs Slug



Right In: 1745.696+/-0.277 χ^2/NDF: 540427.6/31

Left Out: 1774.731+/-0.287 χ^2/NDF:446895.7/24

Right Out: 1750.784+/-0.277 χ^2/NDF: 735598.0/35

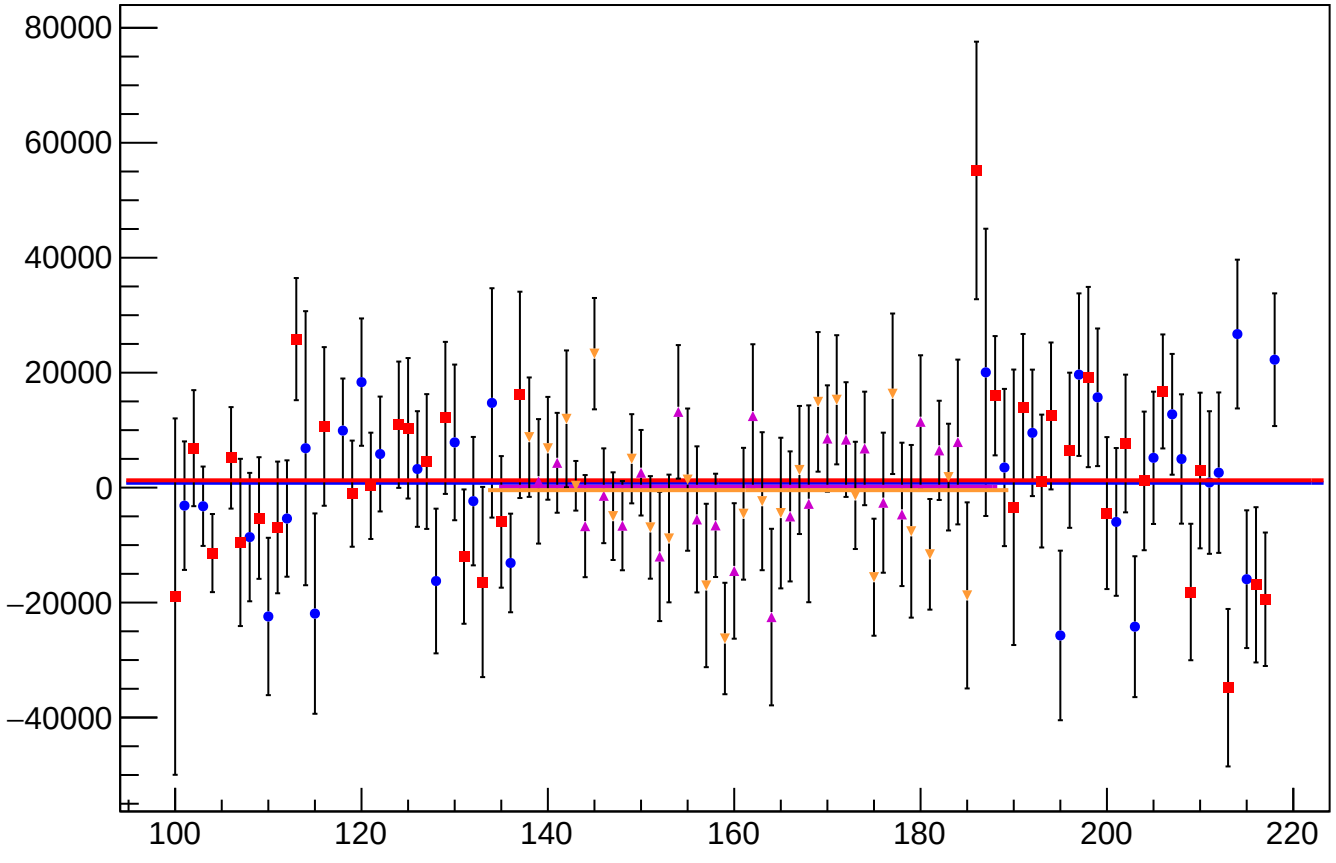
Left In: 1761.089+/-0.291 χ^2/NDF:146266.6/22

+ sign 1759.695+/-0.199 χ^2/NDF: 992632.1/56

All: 1757.706+/-0.141 χ^2/NDF: 1875354.5/11

- sign 1755.681+/-0.201 χ^2/NDF: 882520.9/58

asym_at2_avg_eigen_cor_correction_mean vs Slug



Right In: 843.275+/-2066.101 χ^2/NDF: 38.6/31

Left Out: -443.387+/-1925.600 χ^2/NDF:29.5/24

Right Out: 1270.520+/-1973.996 χ^2/NDF: 45.9/35

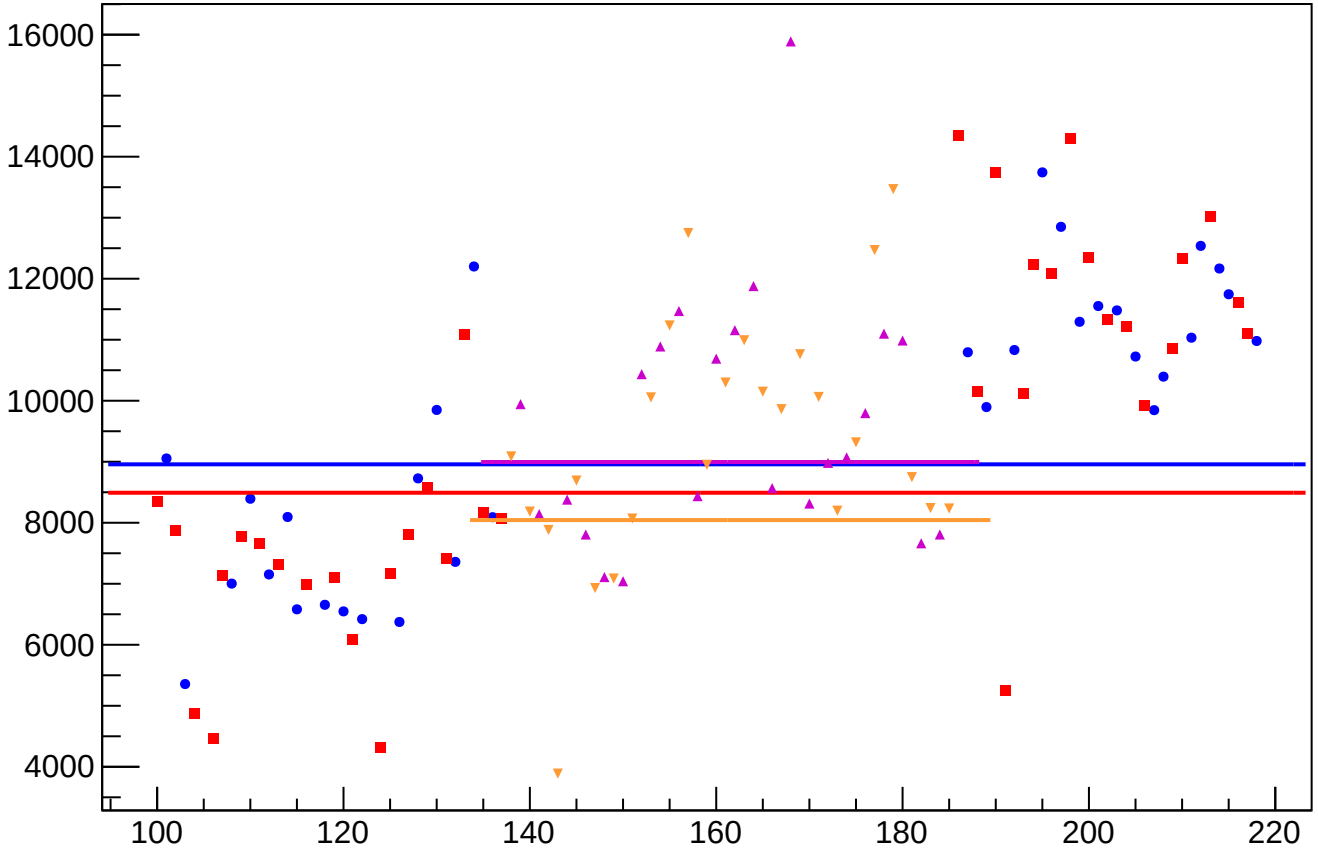
Left In: 155.239+/-2143.487 χ^2/NDF:13.8/22

+ sign 154.711+/-1408.659 χ^2/NDF: 68.3/56

All: 447.551+/-1011.066 χ^2/NDF: 128.2/115

- sign 758.711+/-1452.054 χ^2/NDF: 59.9/58

asym_at2_avg_eigen_cor_correction_rms vs Slug



Right In: 8957.796+/-1.461 χ^2/NDF: 2576991.3/31

Left Out: 8043.808+/-1.362 χ^2/NDF:3362915.7/24

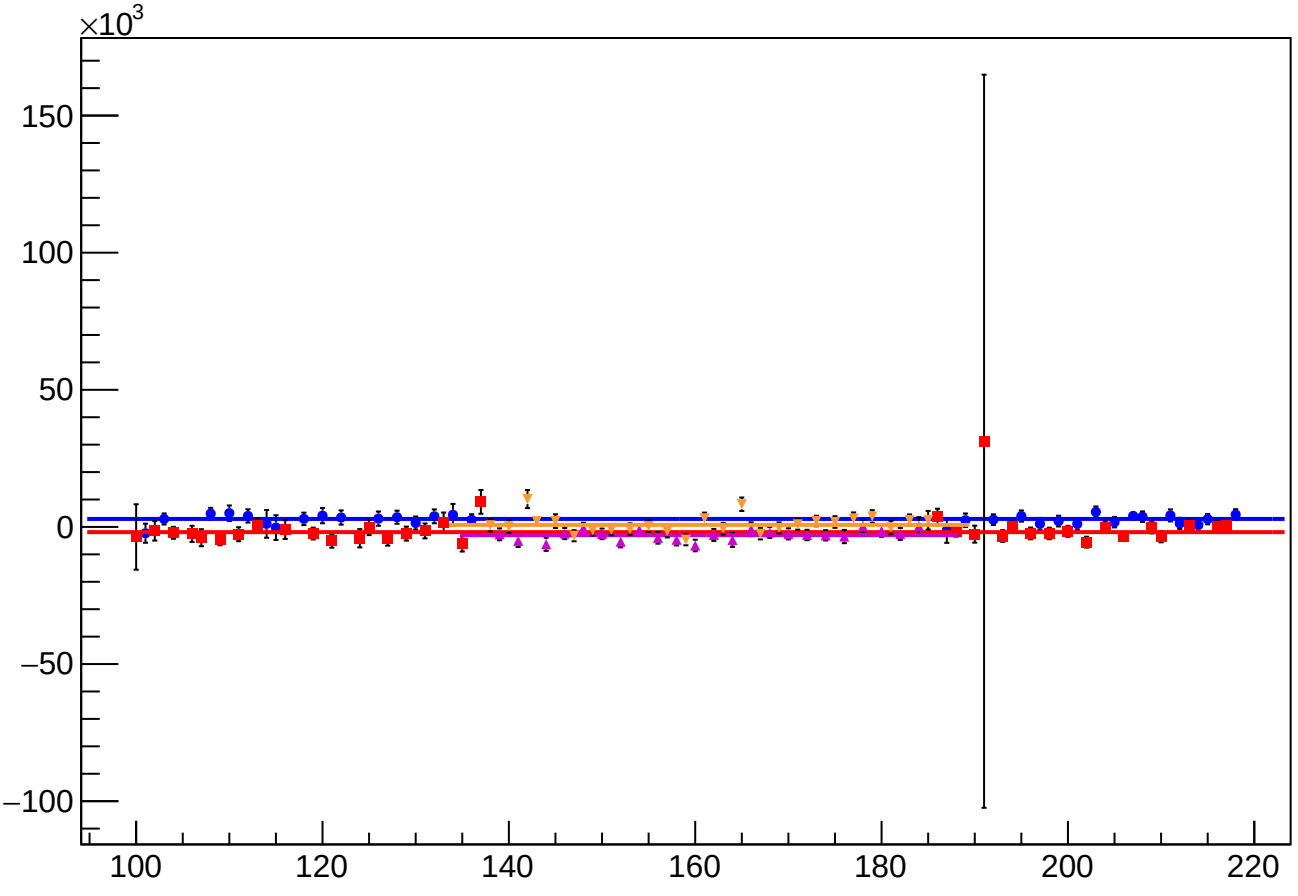
Right Out: 8491.779+/-1.396 χ^2/NDF: 3777380.6/35

Left In: 8995.616+/-1.516 χ^2/NDF:1207139.1/22

+ sign 8468.671+/-0.996 χ^2/NDF: 6149359.9/56

All: 8591.975+/-0.715 χ^2/NDF: 11225278.0/1

- sign 8722.993+/-1.027 χ^2/NDF: 5044311.5/58



Right In: 2919.077+/-403.176 χ^2/NDF: 13.6/31

Left Out: 739.029+/-432.878 χ^2/NDF:41.6/24

Right Out: -1897.595+/-402.835 χ^2/NDF: 31.9/35

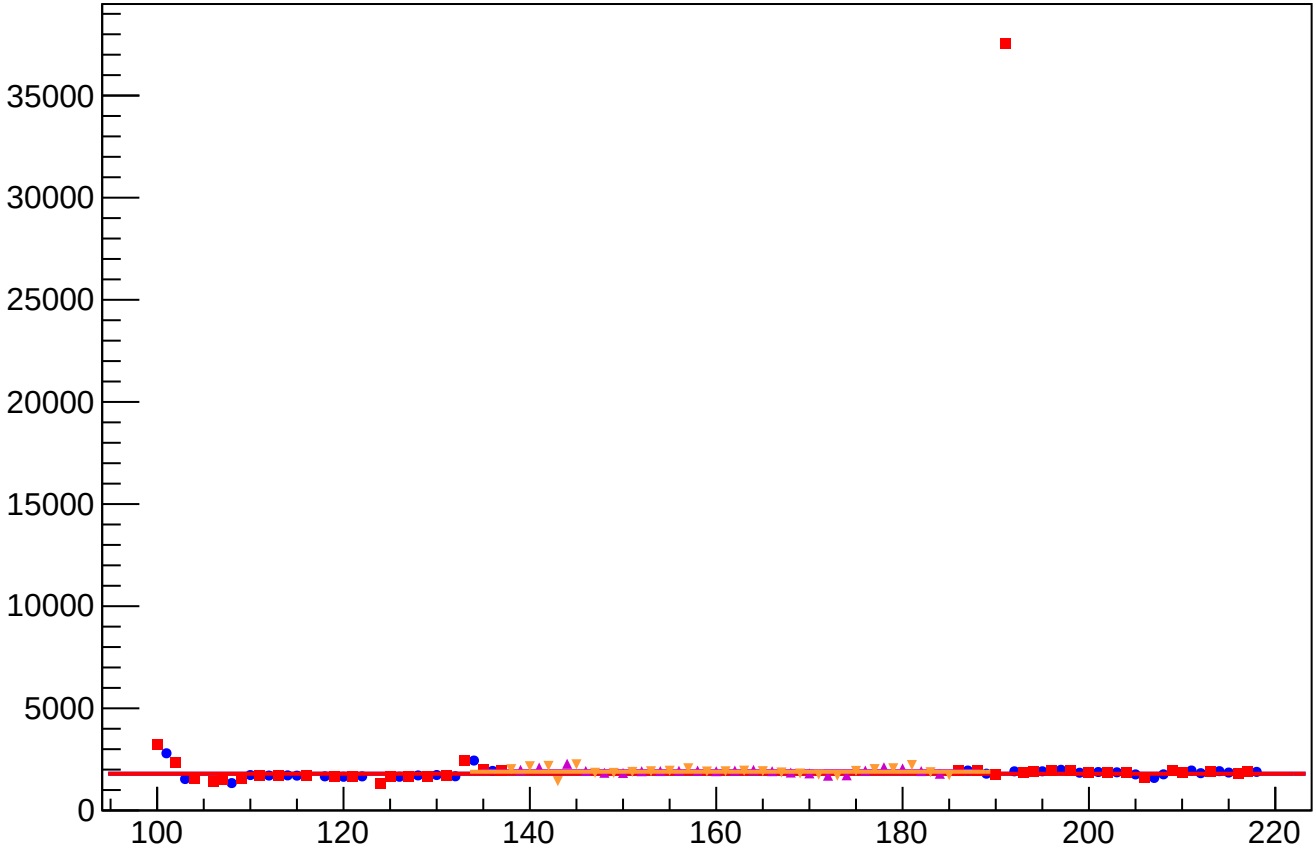
Left In: -2979.225+/-450.334 χ^2/NDF:15.6/22

+ sign 1906.406+/-295.030 χ^2/NDF: 68.8/56

All: -198.482+/-210.436 χ^2/NDF: 223.1/115

- sign -2378.377+/-300.241 χ^2/NDF: 50.7/58

dit_asym_at2_avg_rms vs Slug



Right In: 1799.224+/-0.285 χ^2/NDF: 483888.3/31

Left Out: 1894.684+/-0.306 χ^2/NDF:368587.1/24

Right Out: 1797.116+/-0.285 χ^2/NDF: 591064.2/35

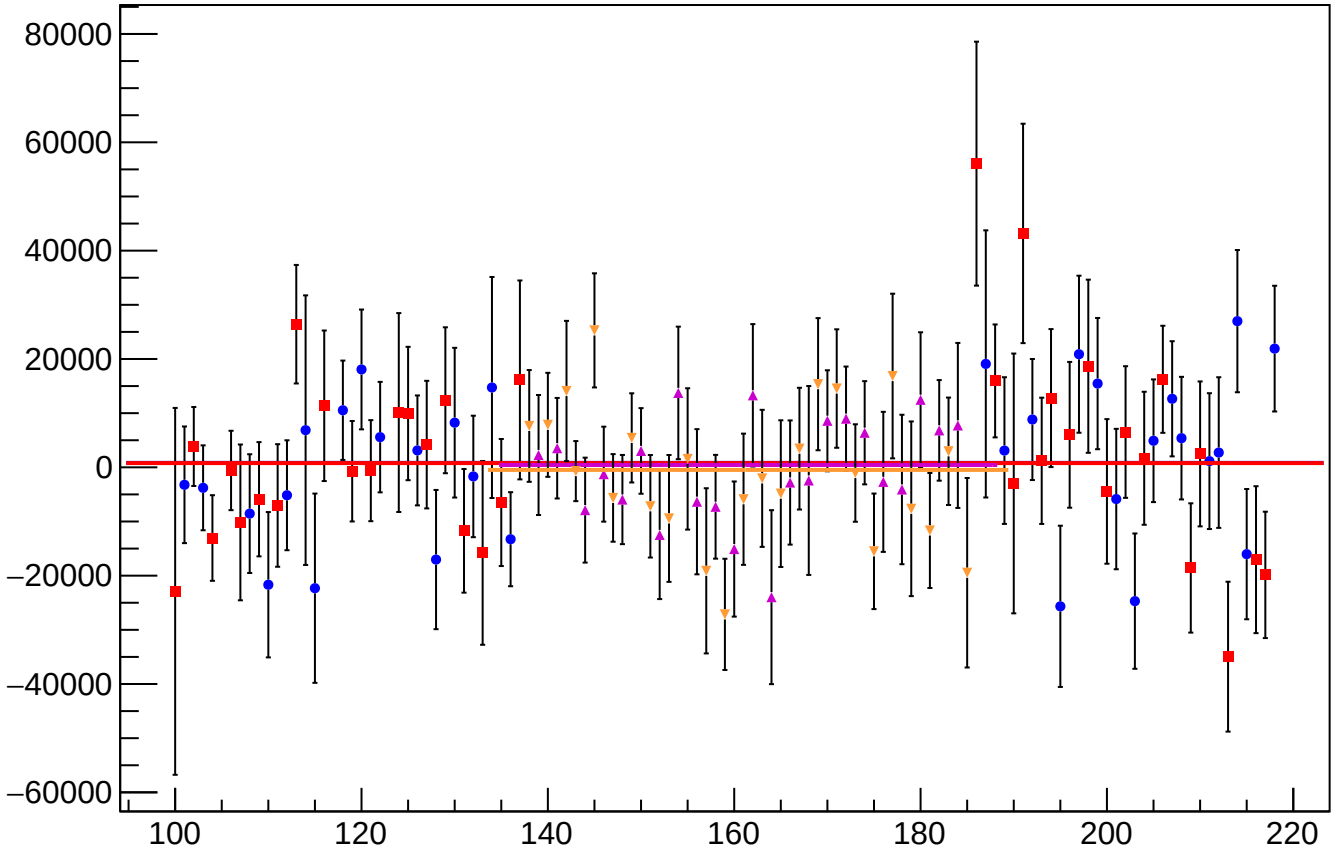
Left In: 1923.038+/-0.318 χ^2/NDF:150977.3/22

+ sign 1843.567+/-0.209 χ^2/NDF: 904557.7/56

All: 1848.240+/-0.149 χ^2/NDF: 1734497.8/11

- sign 1853.079+/-0.212 χ^2/NDF: 828918.7/58

asym_at2_avg_dit_correction_mean vs Slug



Right In: 820.829+/-2097.019 χ^2/NDF: 38.2/31

Left Out: -479.338+/-2089.235 χ^2/NDF:28.8/24

Right Out: 783.901+/-1982.291 χ^2/NDF: 48.1/35

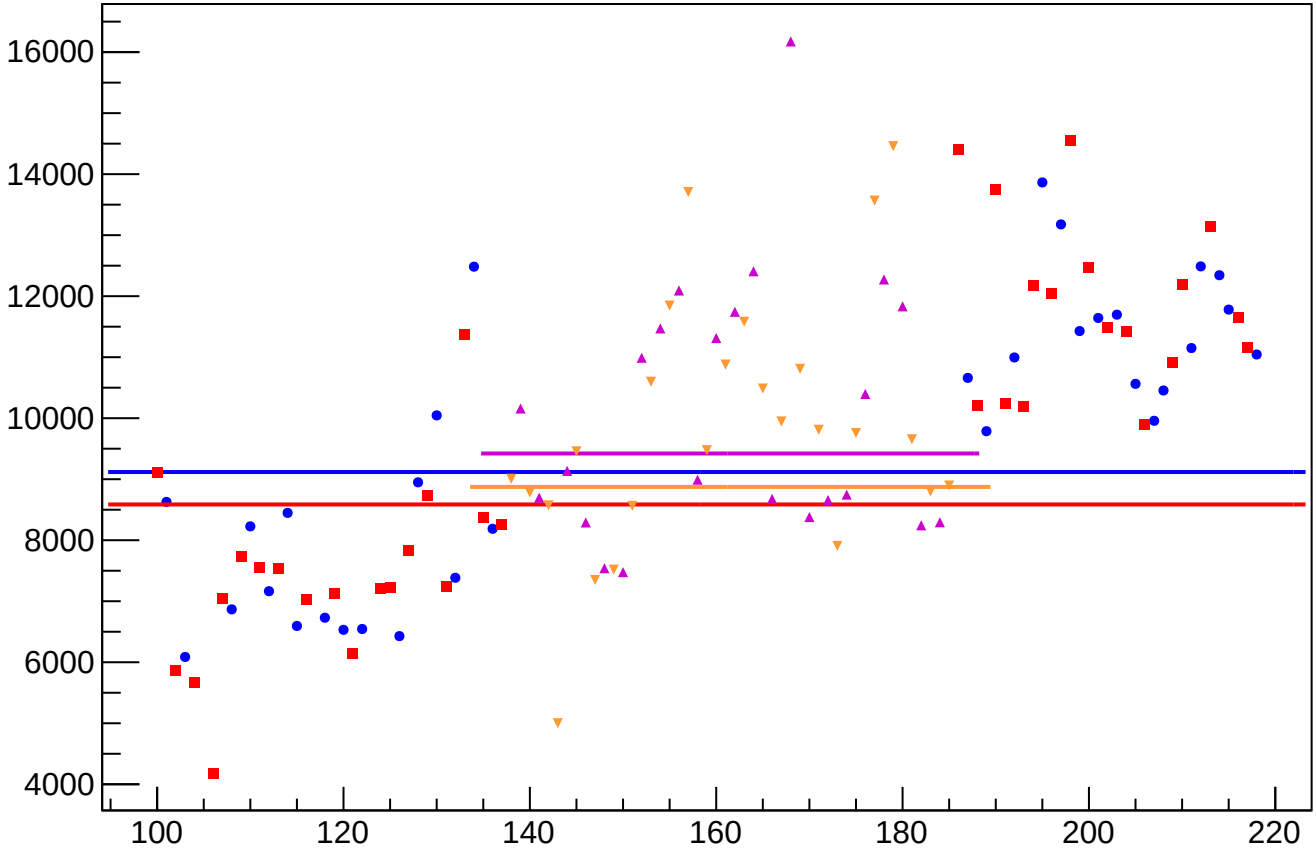
Left In: 436.717+/-2245.180 χ^2/NDF:13.6/22

+ sign 168.328+/-1480.057 χ^2/NDF: 67.2/56

All: 399.145+/-1048.648 χ^2/NDF: 128.9/115

- sign 631.815+/-1485.986 χ^2/NDF: 61.7/58

asym_at2_avg_dit_correction_rms vs Slug



Right In: 9117.905+/-1.483 χ^2/NDF: 2341356.7/31

Left Out: 8873.592+/-1.477 χ^2/NDF:2203249.6/24

Right Out: 8586.085+/-1.402 χ^2/NDF: 3646271.4/35

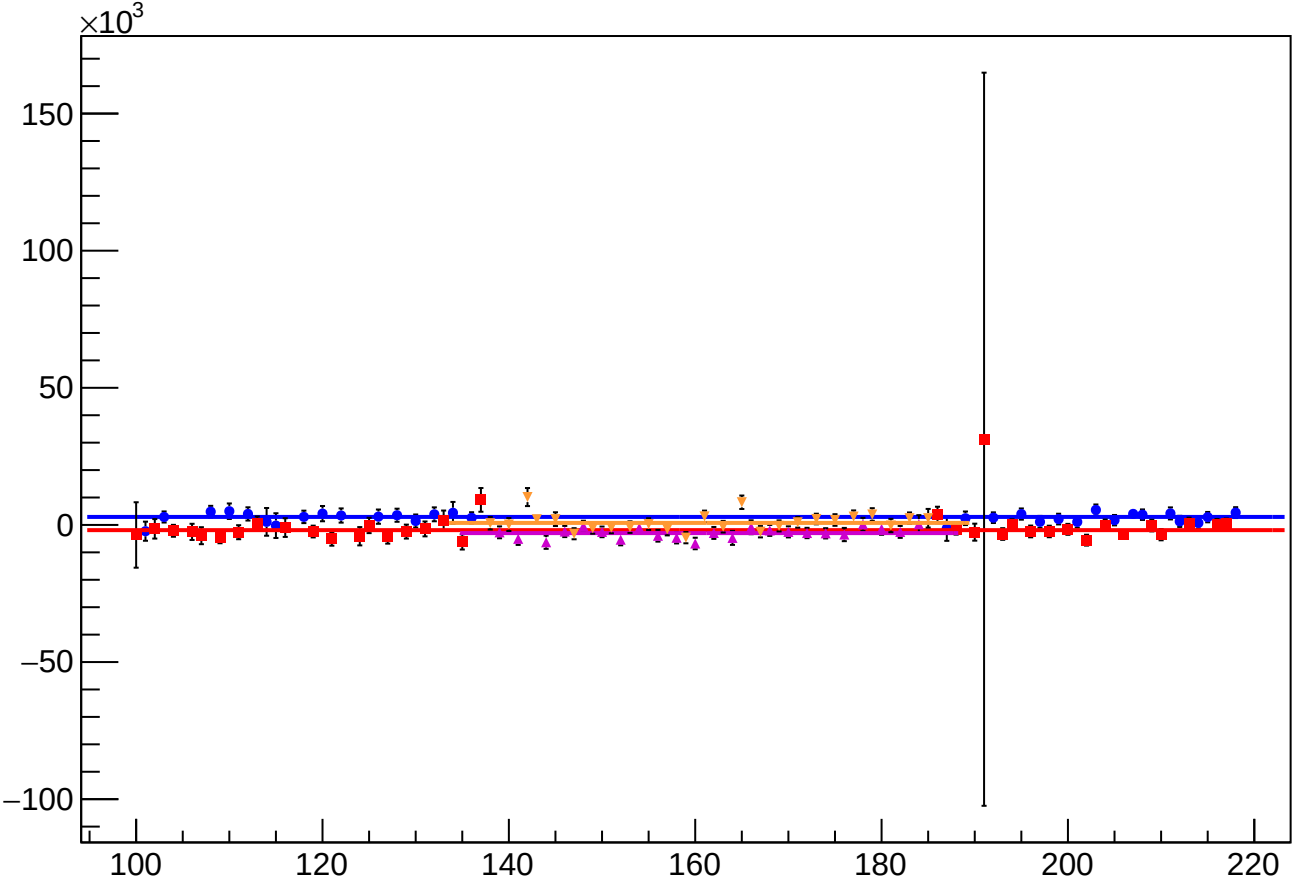
Left In: 9421.708+/-1.588 χ^2/NDF:1204848.0/22

+ sign 8995.295+/-1.047 χ^2/NDF: 4558230.2/56

All: 8973.800+/-0.742 χ^2/NDF: 9565880.2/11

- sign 8952.133+/-1.051 χ^2/NDF: 5006802.9/58

eigen_dit_asym_at2_avg_mean vs Slug



Right In: 2919.072+/-403.176 χ^2/NDF: 13.6/31

Left Out: 739.018+/-432.879 χ^2/NDF:41.6/24

Right Out: -1897.596+/-402.835 χ^2/NDF: 31.9/35

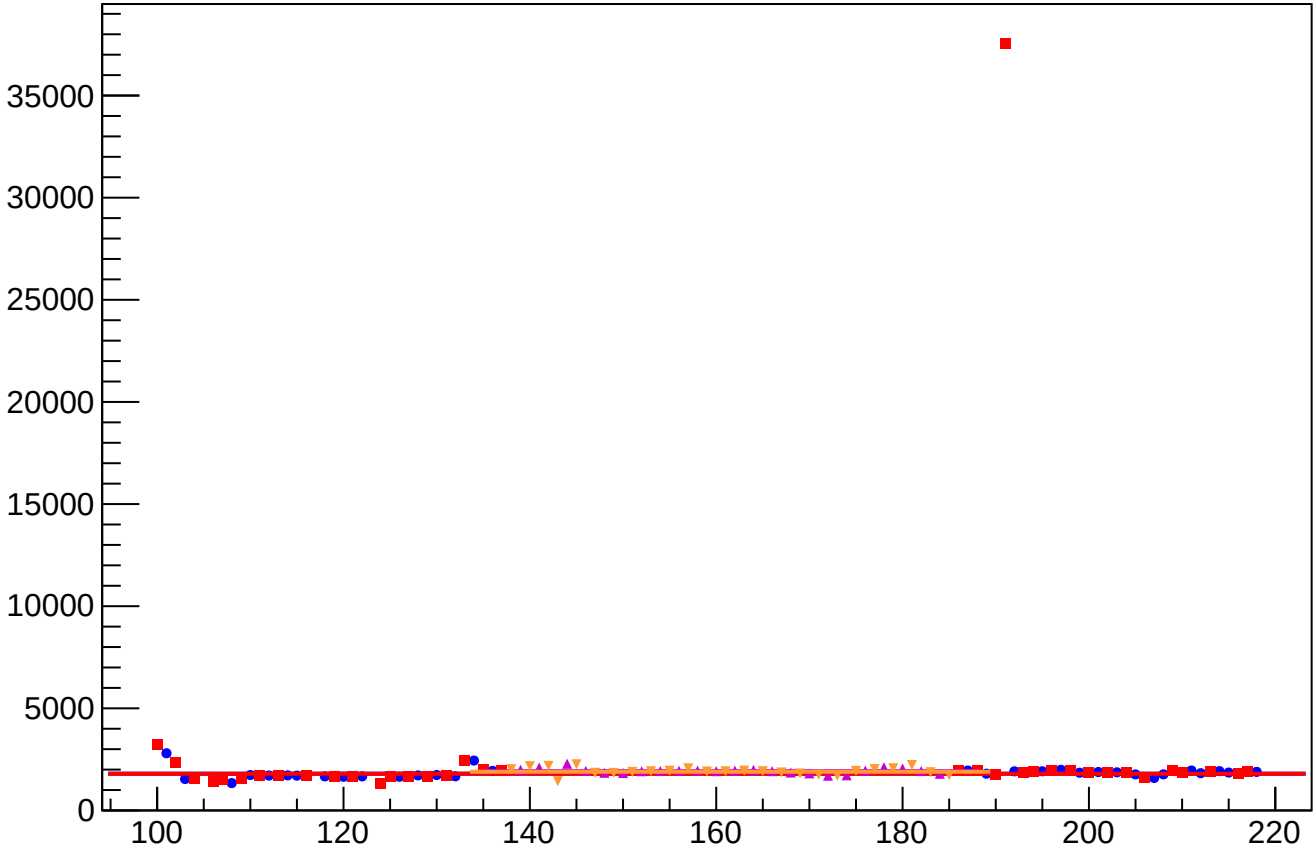
Left In: -2979.226+/-450.335 χ^2/NDF:15.6/22

+ sign 1906.400+/-295.031 χ^2/NDF: 68.8/56

All: -198.485+/-210.436 χ^2/NDF: 223.1/115

- sign -2378.378+/-300.241 χ^2/NDF: 50.7/58

eigen_dit_asym_at2_avg_rms vs Slug



Right In: 1799.224+/-0.285 χ^2/NDF: 483888.9/31

Left Out: 1894.687+/-0.306 χ^2/NDF:368594.6/24

Right Out: 1797.116+/-0.285 χ^2/NDF: 591065.6/35

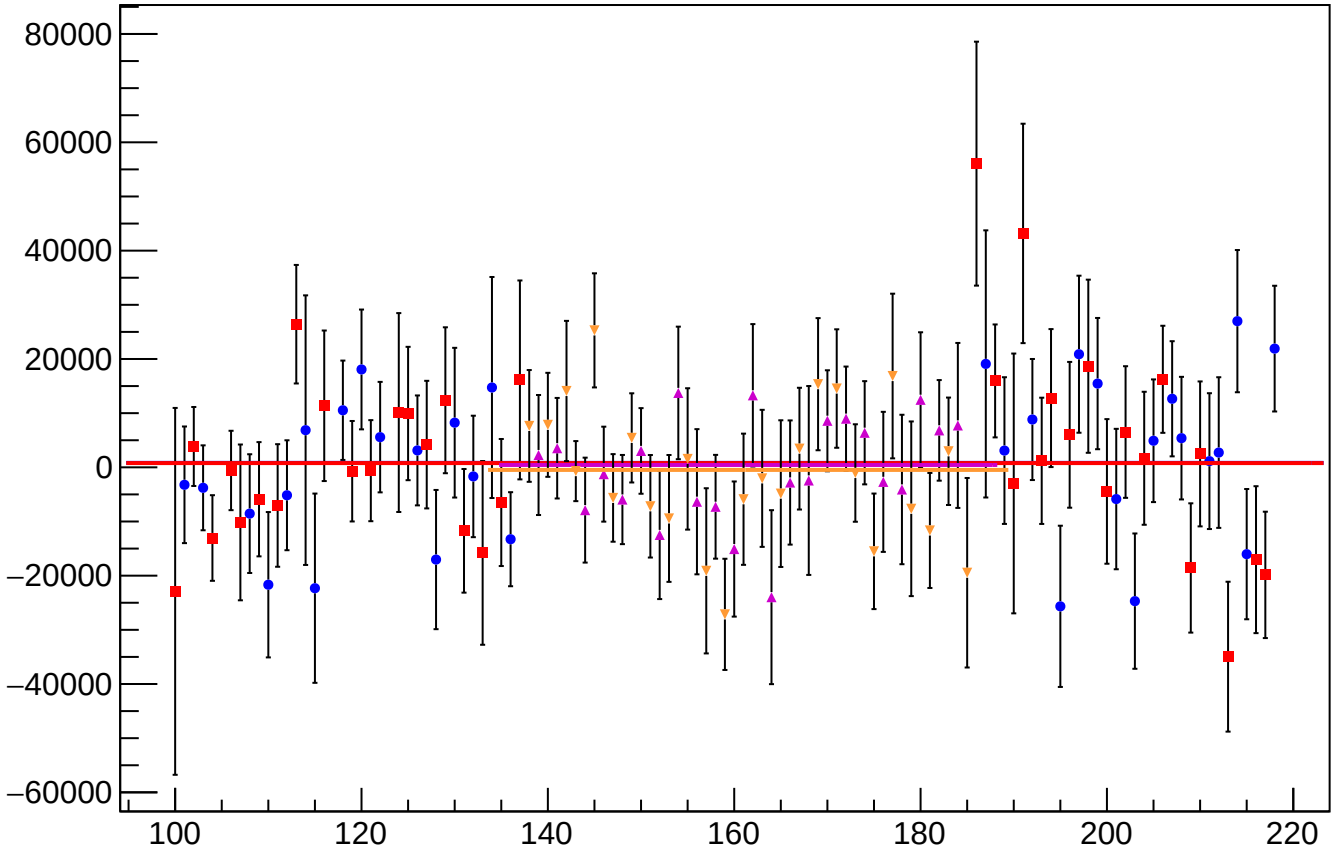
Left In: 1923.042+/-0.318 χ^2/NDF:150984.8/22

+ sign 1843.568+/-0.209 χ^2/NDF: 904569.2/56

All: 1848.242+/-0.149 χ^2/NDF: 1734522.7/11

- sign 1853.081+/-0.212 χ^2/NDF: 828932.0/58

asym_at2_avg_eigen_dit_correction_mean vs Slug



Right In: 820.834+/-2097.018 χ^2/NDF: 38.2/31

Left Out: -479.345+/-2089.238 χ^2/NDF:28.8/24

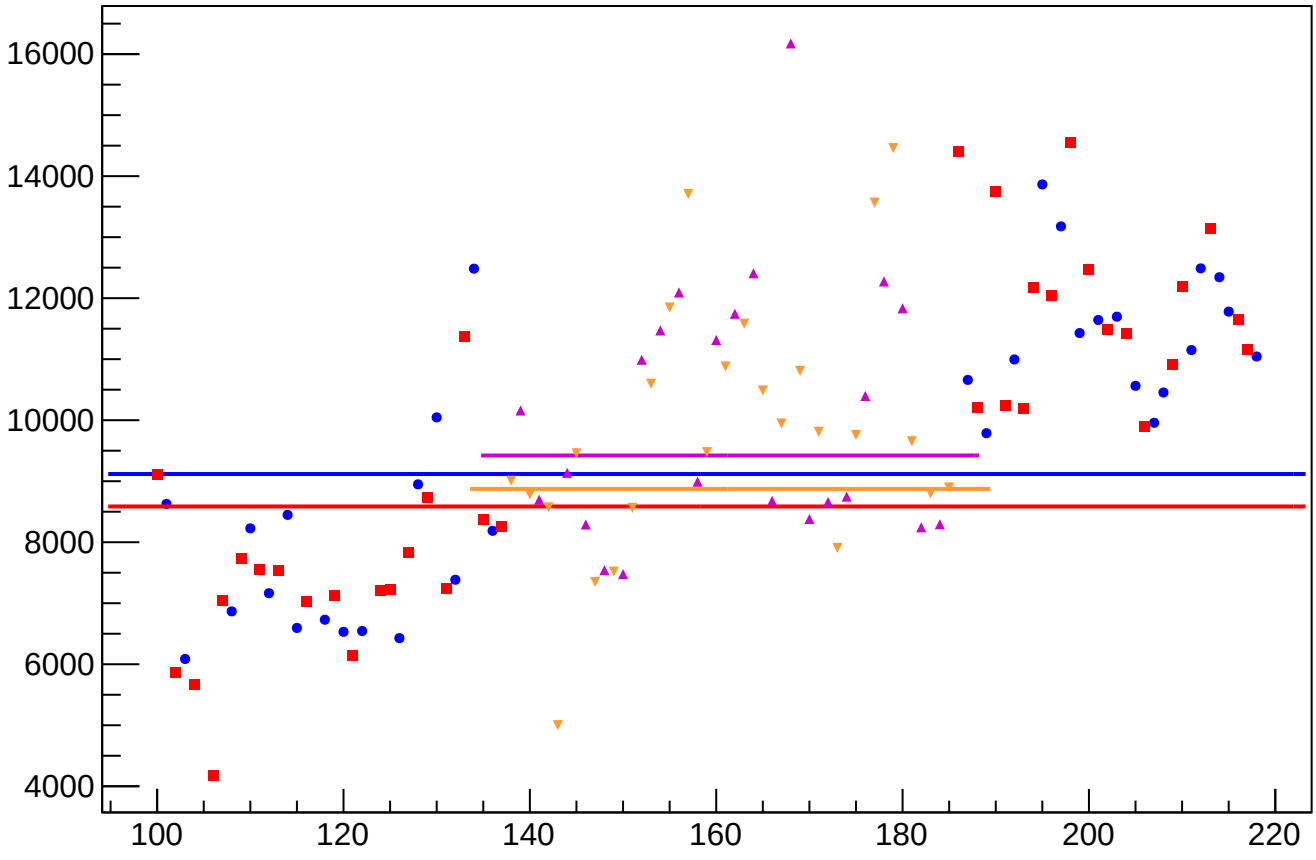
Right Out: 783.892+/-1982.289 χ^2/NDF: 48.1/35

Left In: 436.720+/-2245.183 χ^2/NDF:13.6/22

+ sign 168.328+/-1480.058 χ^2/NDF: 67.2/56

All: 399.144+/-1048.649 χ^2/NDF: 128.9/115

- sign 631.812+/-1485.987 χ^2/NDF: 61.7/58



Right In: 9117.897+/-1.483 χ^2/NDF: 2341392.1/31

Left Out: 8873.607+/-1.477 χ^2/NDF:2203251.2/24

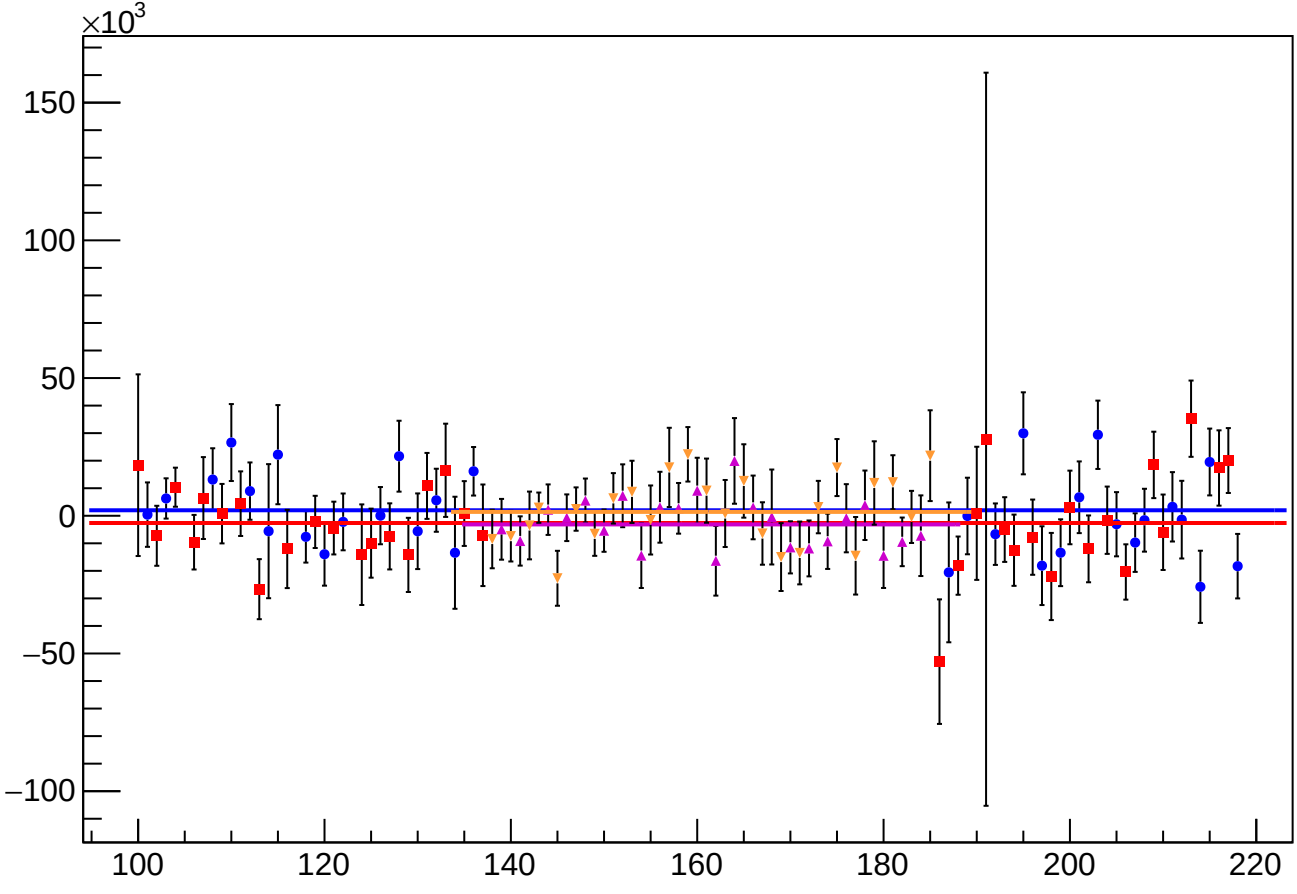
Right Out: 8586.075+/-1.402 χ^2/NDF: 3646302.5/35

Left In: 9421.722+/-1.588 χ^2/NDF:1204851.9/22

+ sign 8995.298+/-1.047 χ^2/NDF: 4558264.6/56

All: 8973.801+/-0.742 χ^2/NDF: 9565958.8/11

- sign 8952.132+/-1.051 χ^2/NDF: 5006847.0/58



Right In: 1995.803+/-2115.558 χ^2/NDF: 40.0/31

Left Out: 1408.316+/-2039.907 χ^2/NDF:27.4/24

Right Out: -2624.046+/-2076.646 χ^2/NDF: 44.7/35

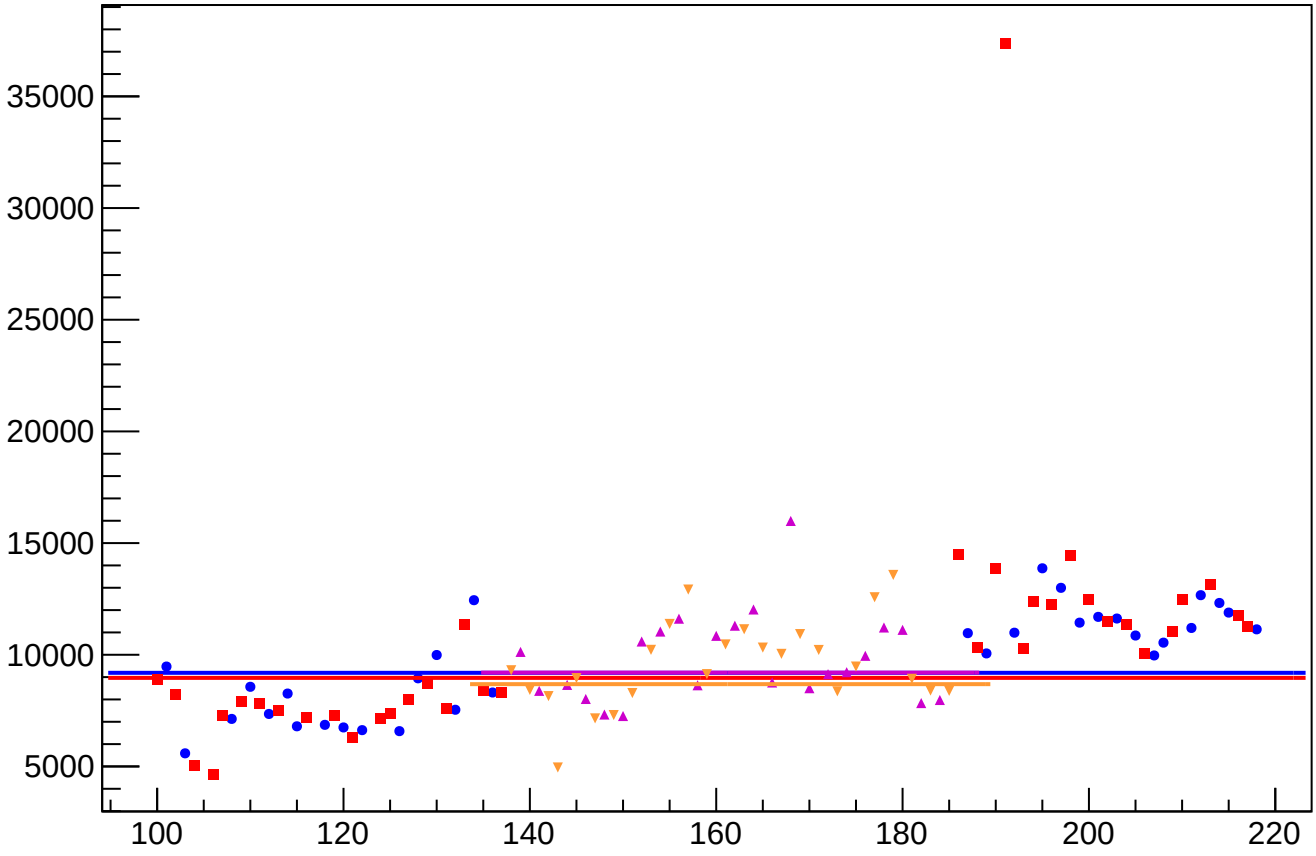
Left In: -3139.264+/-2189.465 χ^2/NDF:13.0/22

+ sign 1691.368+/-1468.449 χ^2/NDF: 67.5/56

All: -529.701+/-1051.619 χ^2/NDF: 130.0/115

- sign -2868.040+/-1506.716 χ^2/NDF: 57.7/58

asym_at2_avg_rms vs Slug



Right In: 9191.930+/-1.496 χ^2/NDF: 2393156.7/31

Left Out: 8684.549+/-1.442 χ^2/NDF:2051622.3/24

Right Out: 8965.945+/-1.468 χ^2/NDF: 3188054.9/35

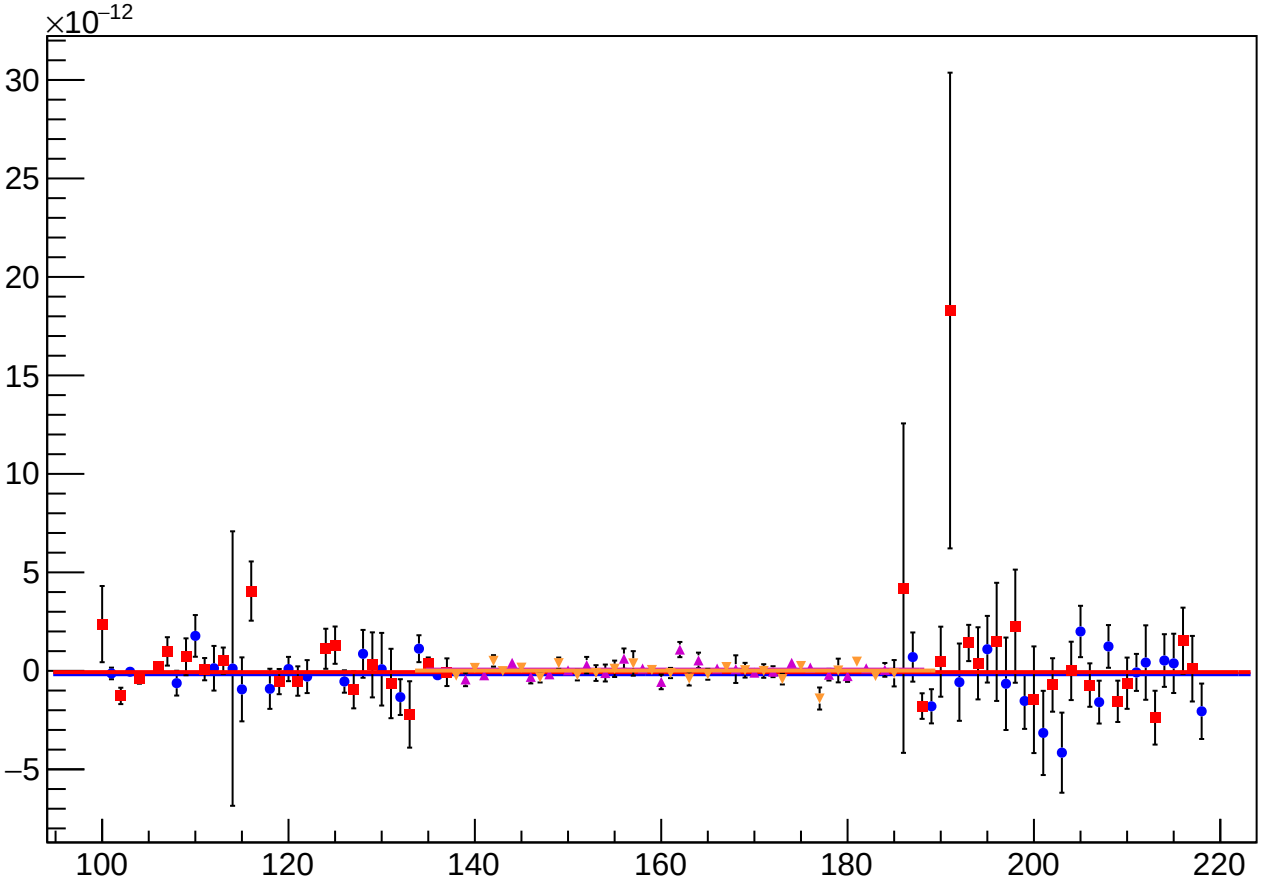
Left In: 9200.796+/-1.548 χ^2/NDF:1129421.3/22

+ sign 8929.007+/-1.038 χ^2/NDF: 4504392.9/56

All: 9001.179+/-0.744 χ^2/NDF: 8843900.5/11

- sign 9077.158+/-1.065 χ^2/NDF: 4329590.4/58

asym_at2_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 31.5/31

Left Out: 0.000+/-0.000 χ^2/NDF:28.8/24

Right Out: -0.000+/-0.000 χ^2/NDF: 53.2/35

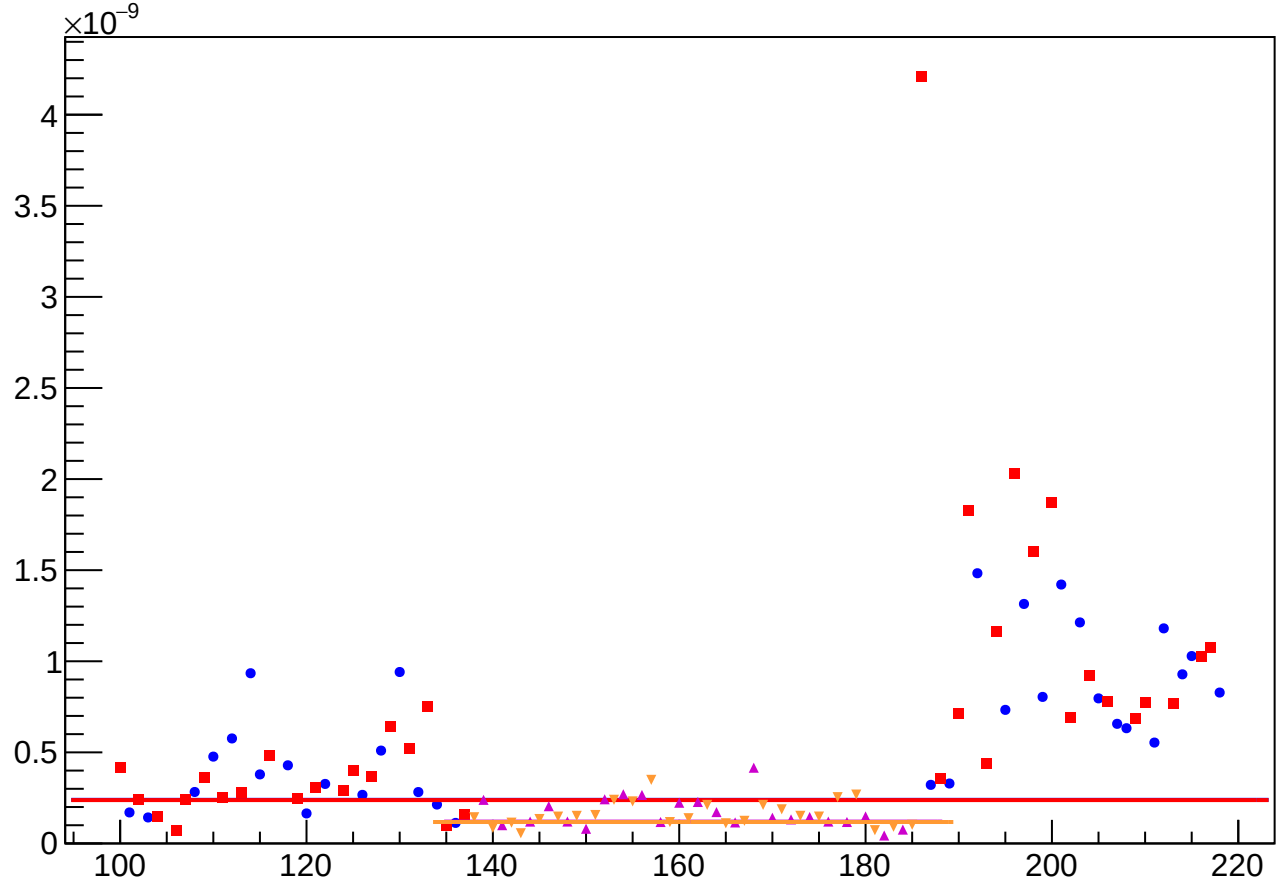
Left In: 0.000+/-0.000 χ^2/NDF:27.8/22

+ sign -0.000+/-0.000 χ^2/NDF: 62.6/56

All: 0.000+/-0.000 χ^2/NDF: 145.3/115

- sign 0.000+/-0.000 χ^2/NDF: 82.0/58

asym_at2_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 7945017.8/31

Left Out: 0.000+/-0.000 χ^2/NDF:2335885.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8459584.0/35

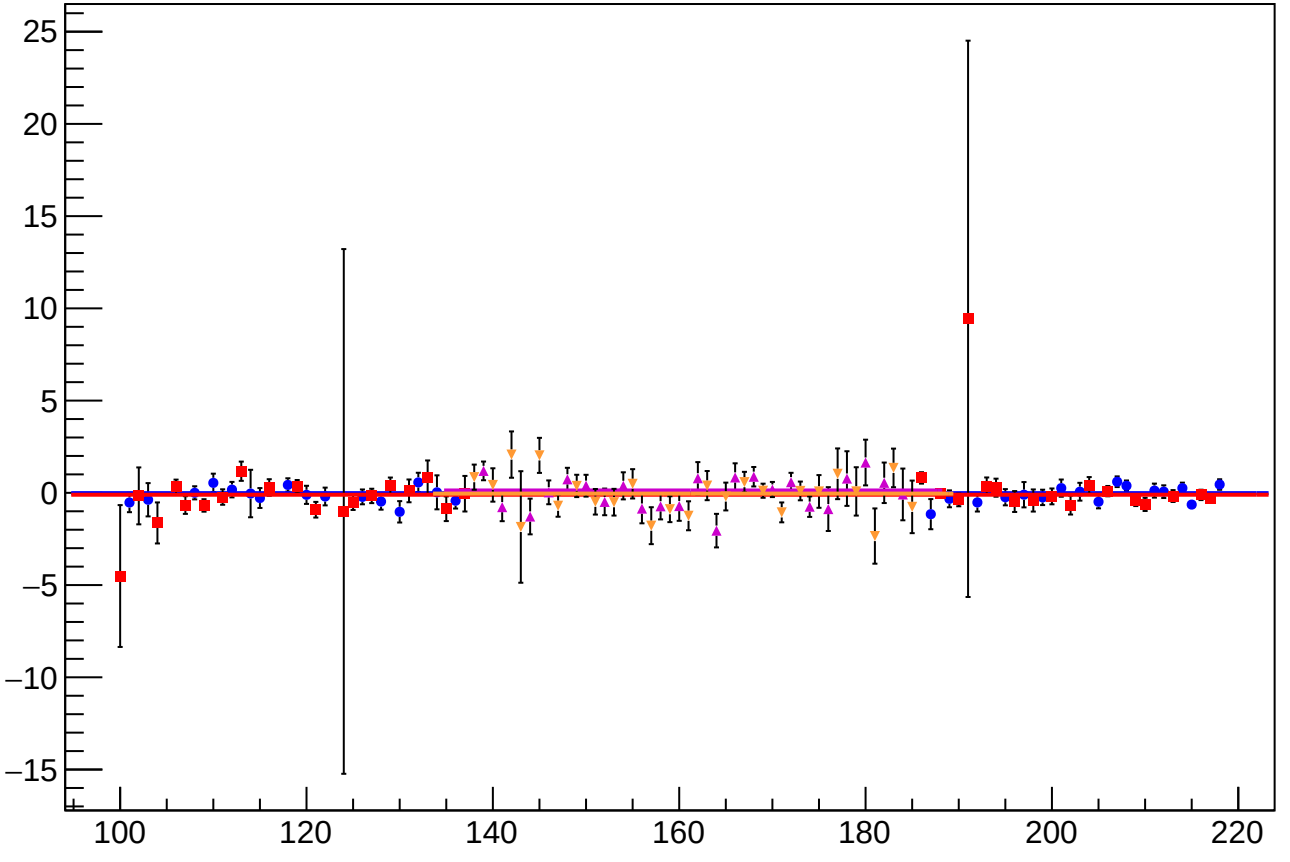
Left In: 0.000+/-0.000 χ^2/NDF:2660632.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 12239349.8/56

All: 0.000+/-0.000 χ^2/NDF: 25107455.1/115

- sign 0.000+/-0.000 χ^2/NDF: 12864275.5/58

asym_at2_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.016+/-0.074 χ^2/NDF: 32.6/31

Left Out: -0.041+/-0.148 χ^2/NDF:30.1/24

Right Out: -0.103+/-0.068 χ^2/NDF: 44.2/35

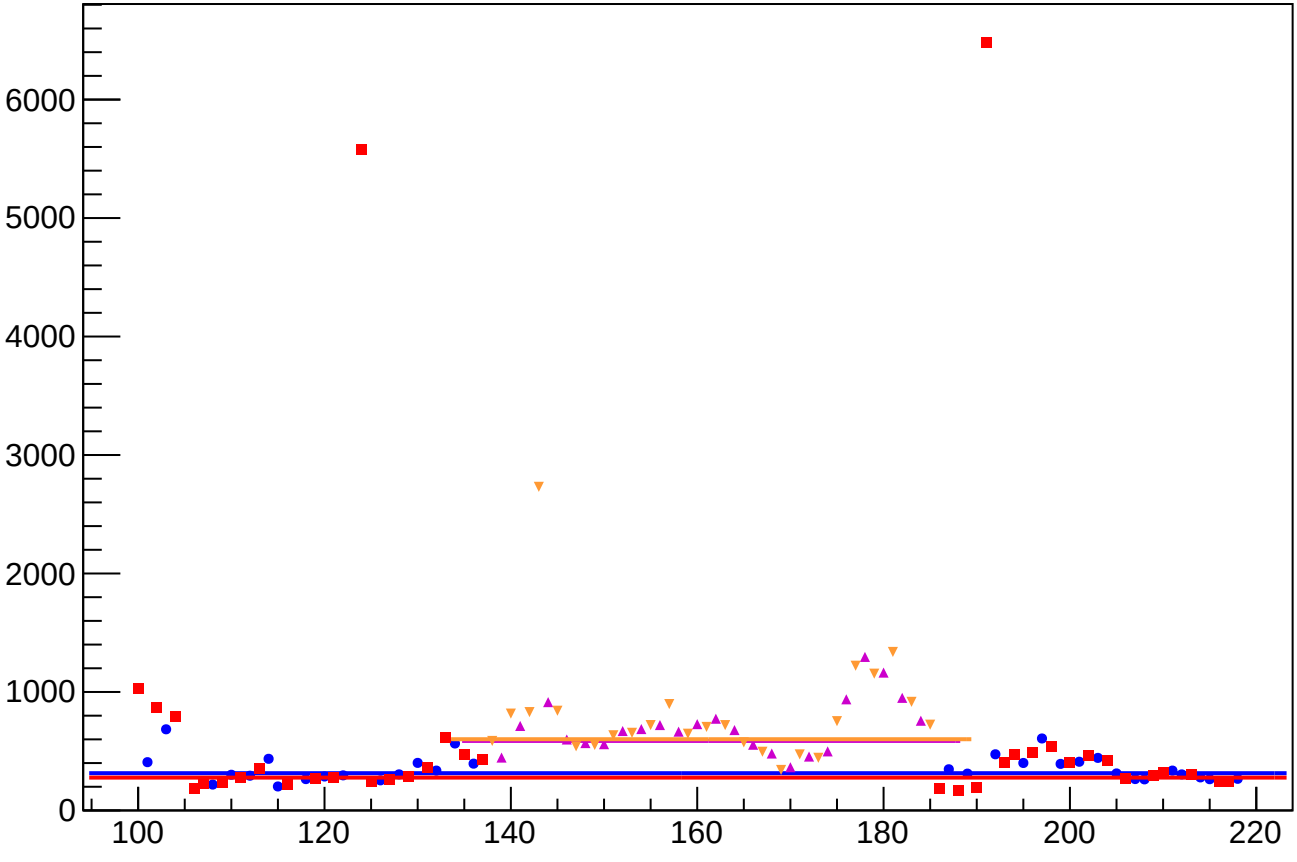
Left In: 0.128+/-0.145 χ^2/NDF:29.0/22

+ sign -0.021+/-0.066 χ^2/NDF: 62.7/56

All: -0.043+/-0.045 χ^2/NDF: 138.2/115

- sign -0.062+/-0.061 χ^2/NDF: 75.3/58

asym_at2_avg_dit_vs_cor_diff_rms vs Slug



Right In: 314.500+/-0.052 χ^2/NDF: 2259835.2/31

Left Out: 601.214+/-0.104 χ^2/NDF:4460456.7/24

Right Out: 277.367+/-0.048 χ^2/NDF: 5098153.0/35

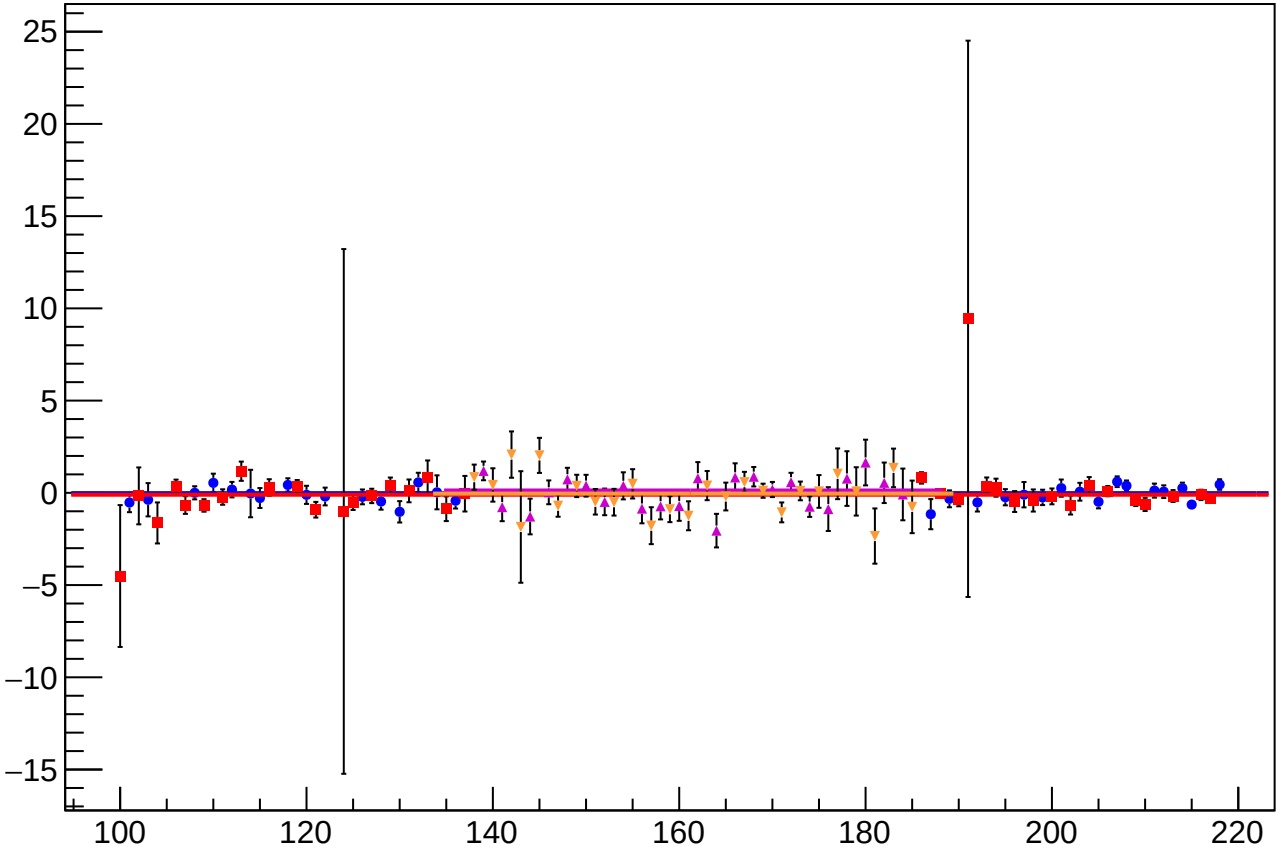
Left In: 586.817+/-0.103 χ^2/NDF:2934488.2/22

+ sign 371.794+/-0.047 χ^2/NDF: 12765756.2/56

All: 350.767+/-0.032 χ^2/NDF: 28641046.8/11

- sign 332.578+/-0.043 χ^2/NDF: 15496046.3/58

asym_at2_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.016+/-0.074 χ^2/NDF: 32.6/31

Left Out: -0.041+/-0.148 χ^2/NDF:30.1/24

Right Out: -0.103+/-0.068 χ^2/NDF: 44.2/35

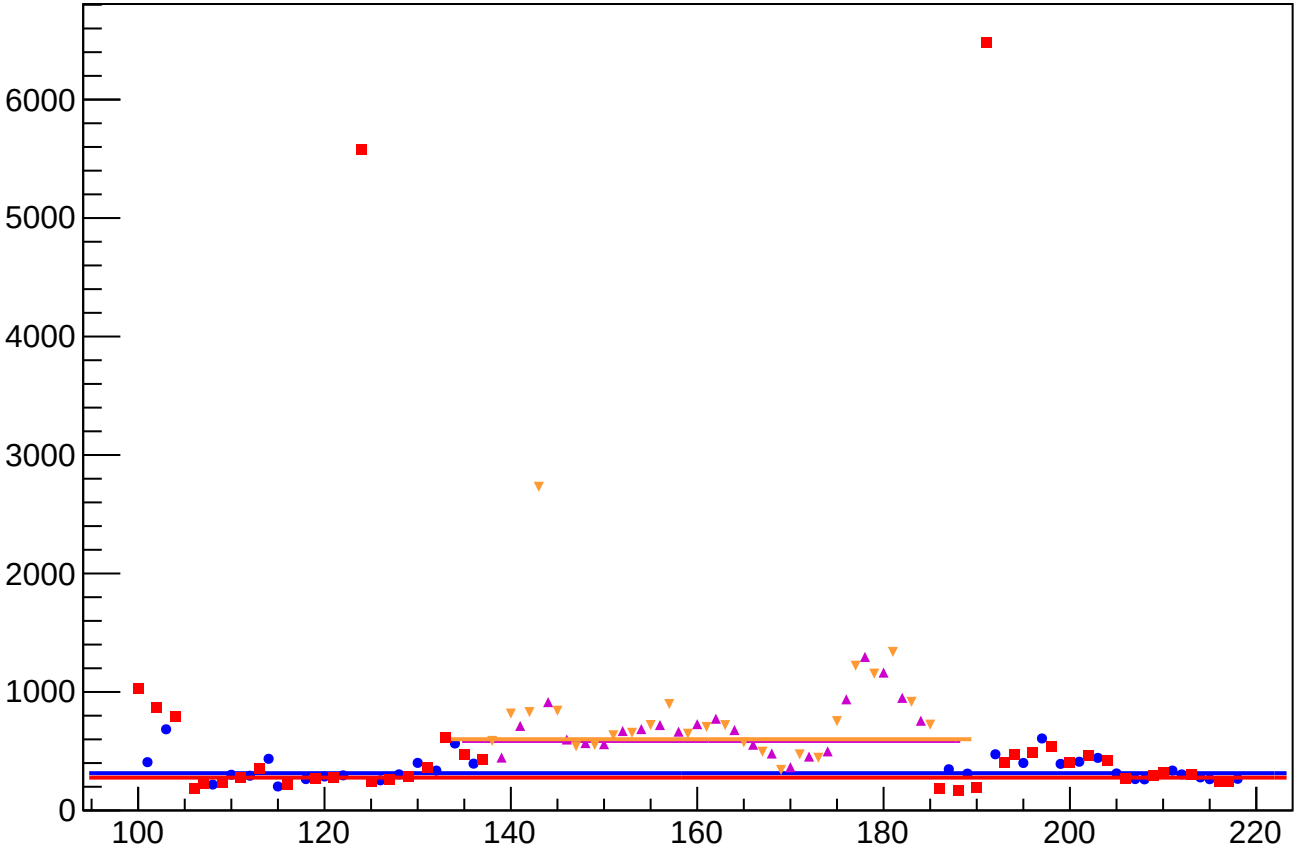
Left In: 0.128+/-0.145 χ^2/NDF:29.0/22

+ sign -0.021+/-0.066 χ^2/NDF: 62.7/56

All: -0.043+/-0.045 χ^2/NDF: 138.2/115

- sign -0.062+/-0.061 χ^2/NDF: 75.3/58

asym_at2_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 314.500+/-0.052 χ^2/NDF: 2259835.2/31

Left Out: 601.214+/-0.104 χ^2/NDF:4460456.7/24

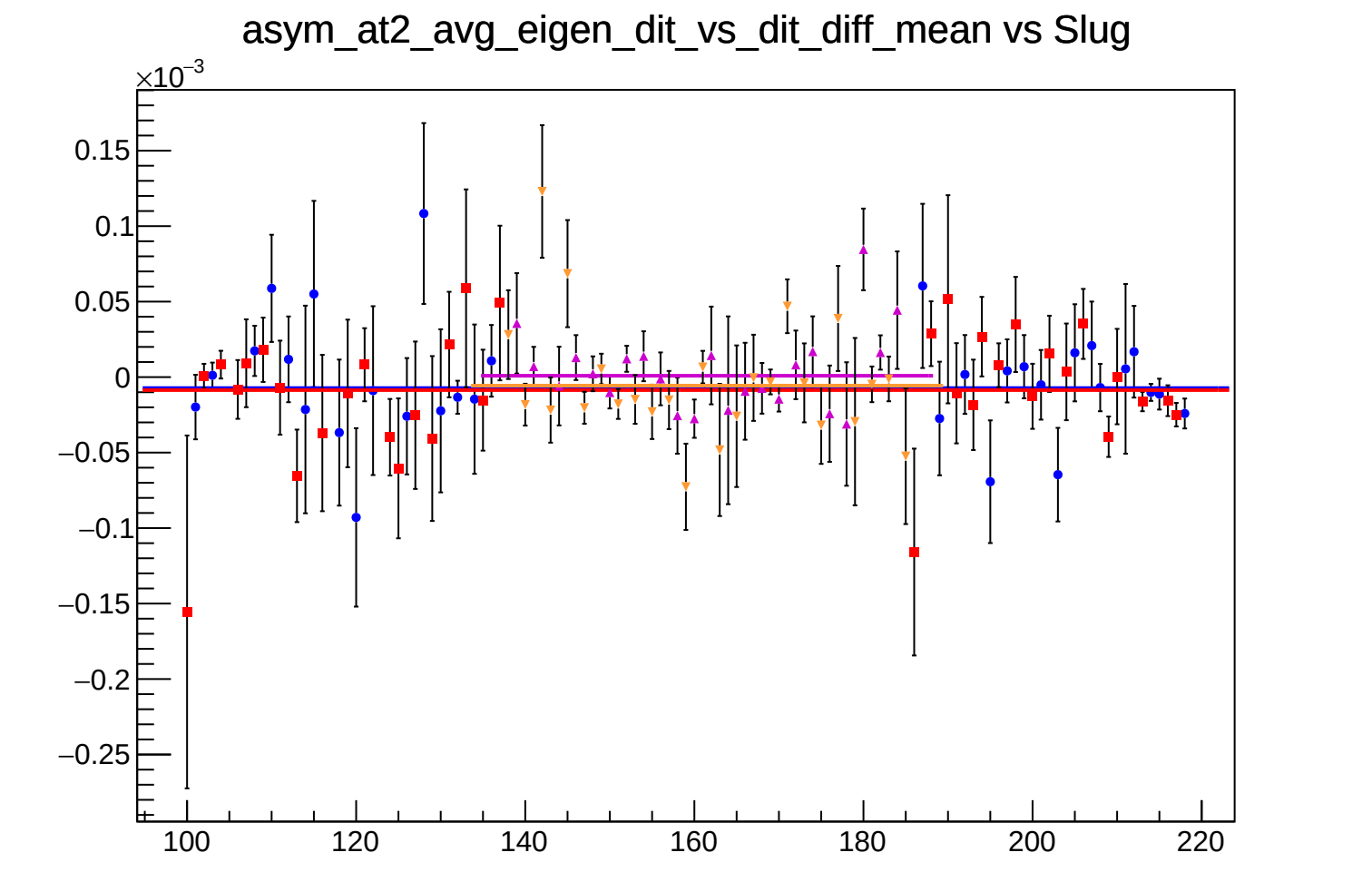
Right Out: 277.367+/-0.048 χ^2/NDF: 5098153.0/35

Left In: 586.817+/-0.103 χ^2/NDF:2934488.2/22

+ sign 371.794+/-0.047 χ^2/NDF: 12765756.2/56

All: 350.767+/-0.032 χ^2/NDF: 28641046.8/11

- sign 332.578+/-0.043 χ^2/NDF: 15496046.3/58



Right In: -0.000+/-0.000 χ^2/NDF: 29.9/31

Left Out: -0.000+/-0.000 χ^2/NDF:42.6/24

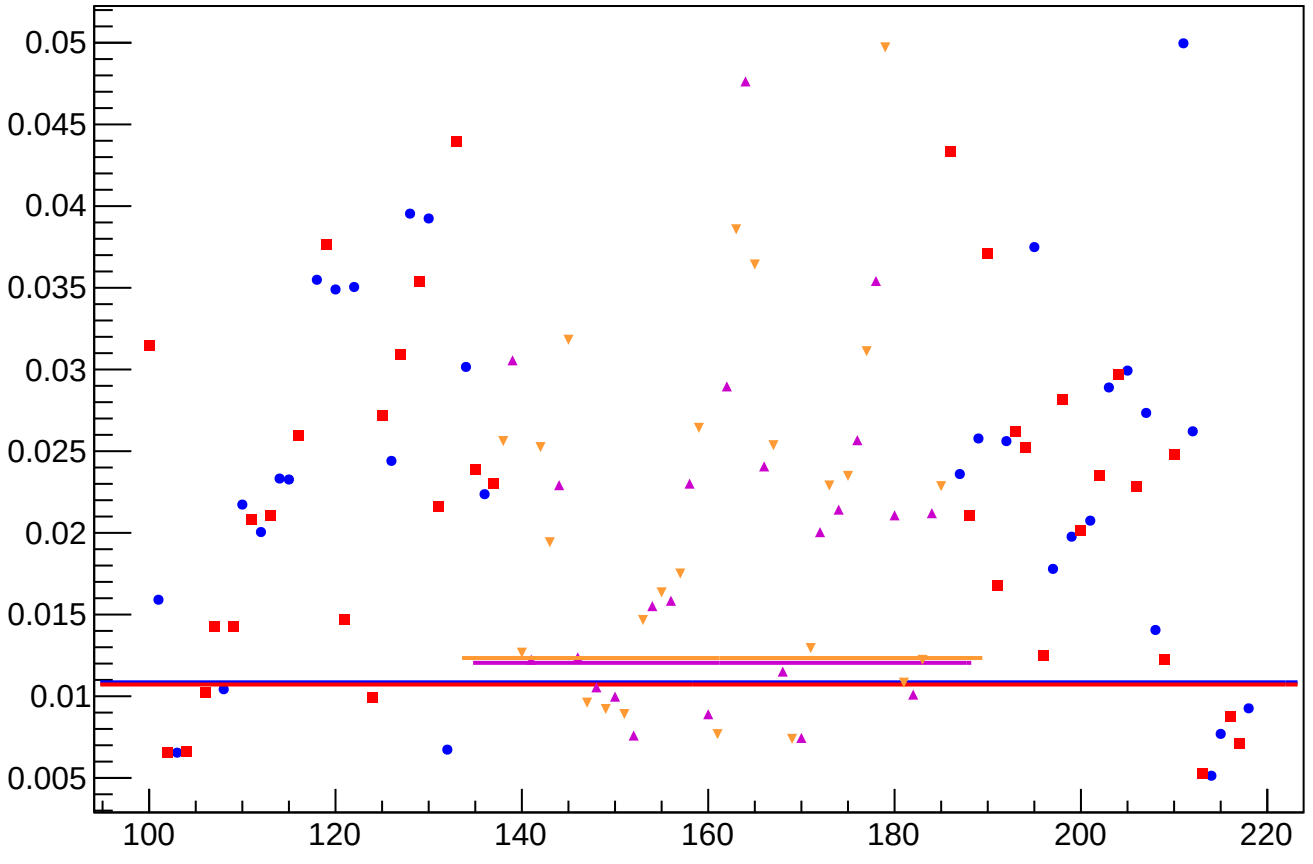
Right Out: -0.000+/-0.000 χ^2/NDF: 46.4/35

Left In: 0.000+/-0.000 χ^2/NDF:30.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 72.6/56

All: -0.000+/-0.000 χ^2/NDF: 154.3/115

- sign -0.000+/-0.000 χ^2/NDF: 81.3/58



Right In: 0.011+/-0.000 χ^2/NDF: 13487078.9/31

Left Out: 0.012+/-0.000 χ^2/NDF:7839123.8/24

Right Out: 0.011+/-0.000 χ^2/NDF: 12061298.5/35

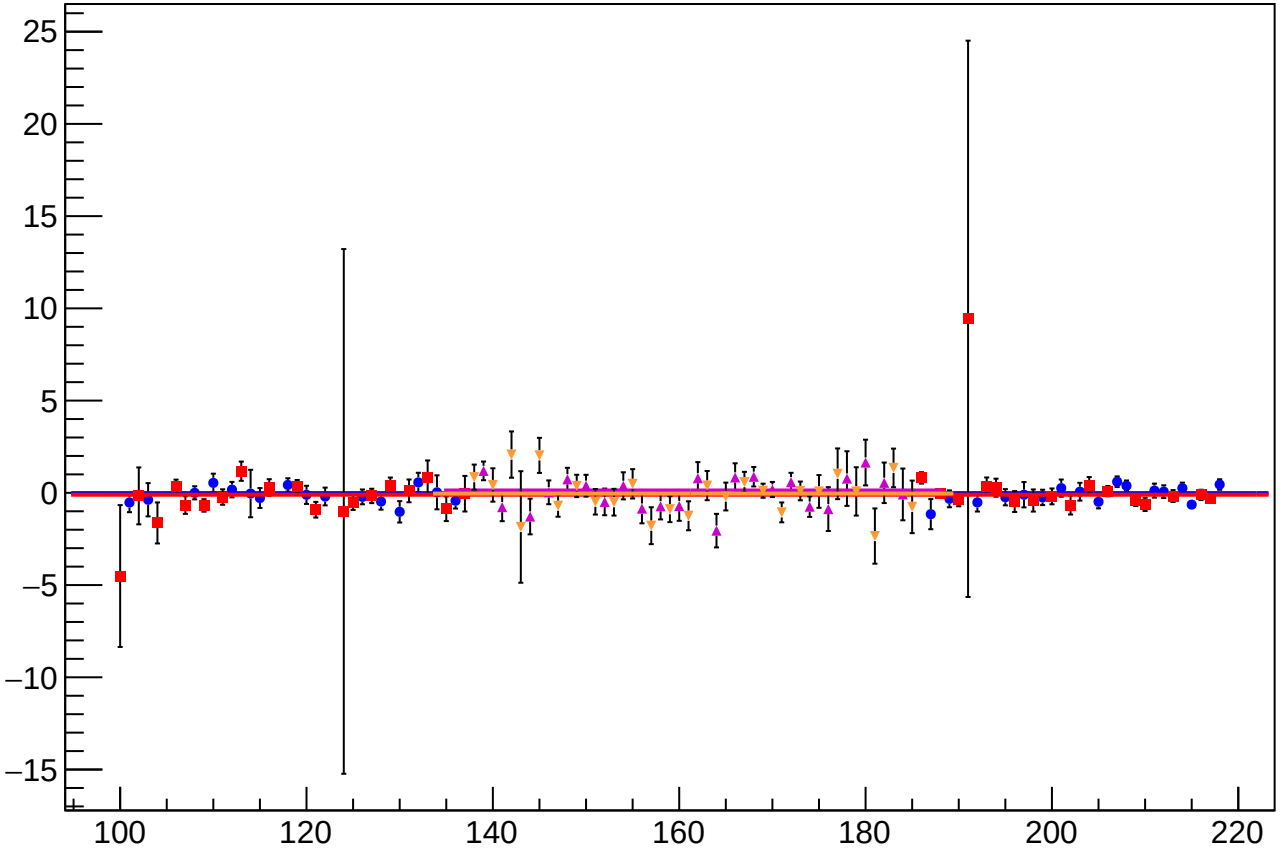
Left In: 0.012+/-0.000 χ^2/NDF:6379401.9/22

+ sign 0.012+/-0.000 χ^2/NDF: 21546475.7/56

All: 0.011+/-0.000 χ^2/NDF: 40183426.4/115

- sign 0.011+/-0.000 χ^2/NDF: 18623545.7/58

asym_at2_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.016+/-0.074 χ^2/NDF: 32.6/31

Left Out: -0.041+/-0.148 χ^2/NDF:30.1/24

Right Out: -0.103+/-0.068 χ^2/NDF: 44.2/35

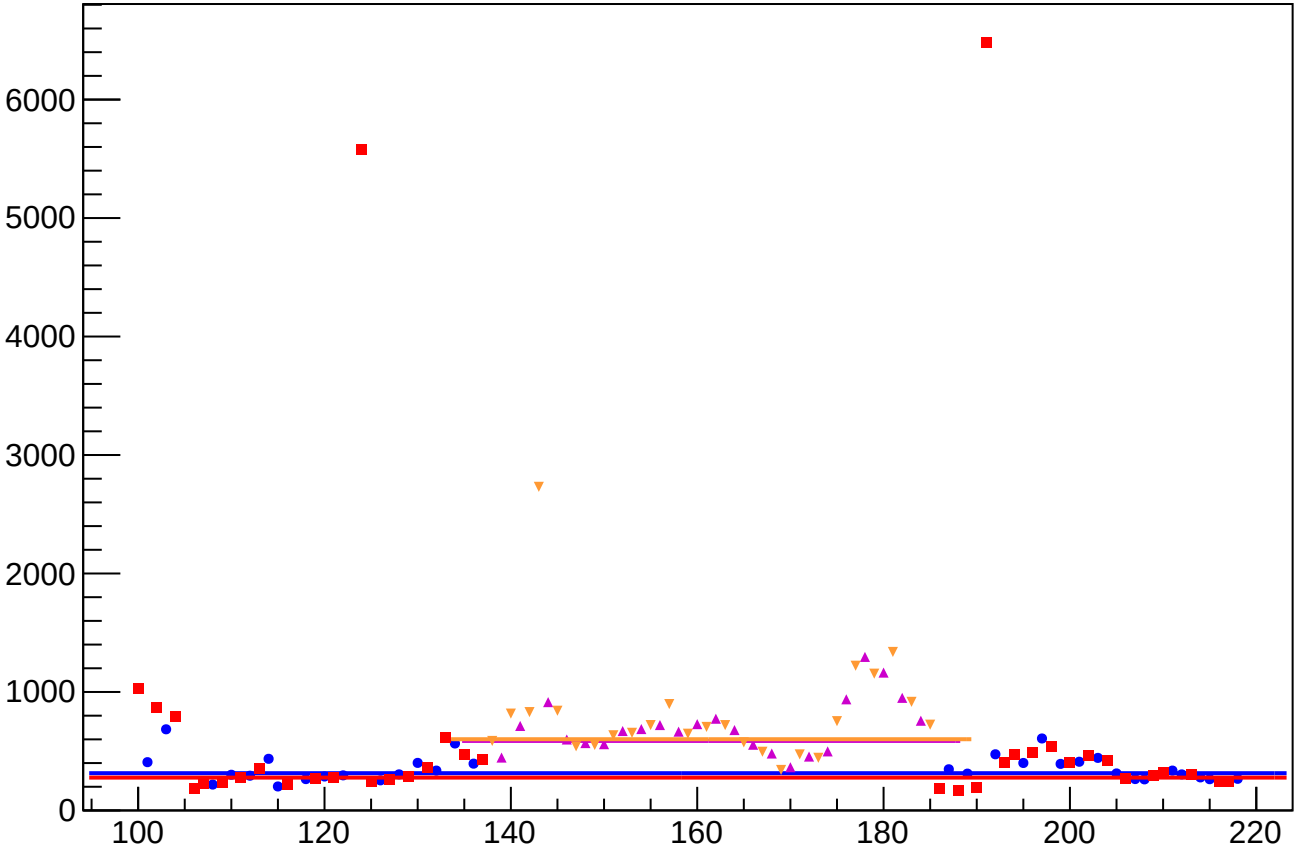
Left In: 0.128+/-0.145 χ^2/NDF:29.0/22

+ sign -0.021+/-0.066 χ^2/NDF: 62.7/56

All: -0.043+/-0.045 χ^2/NDF: 138.2/115

- sign -0.062+/-0.061 χ^2/NDF: 75.3/58

asym_at2_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 314.499+/-0.052 χ^2/NDF: 2259825.5/31

Left Out: 601.214+/-0.104 χ^2/NDF:4460662.1/24

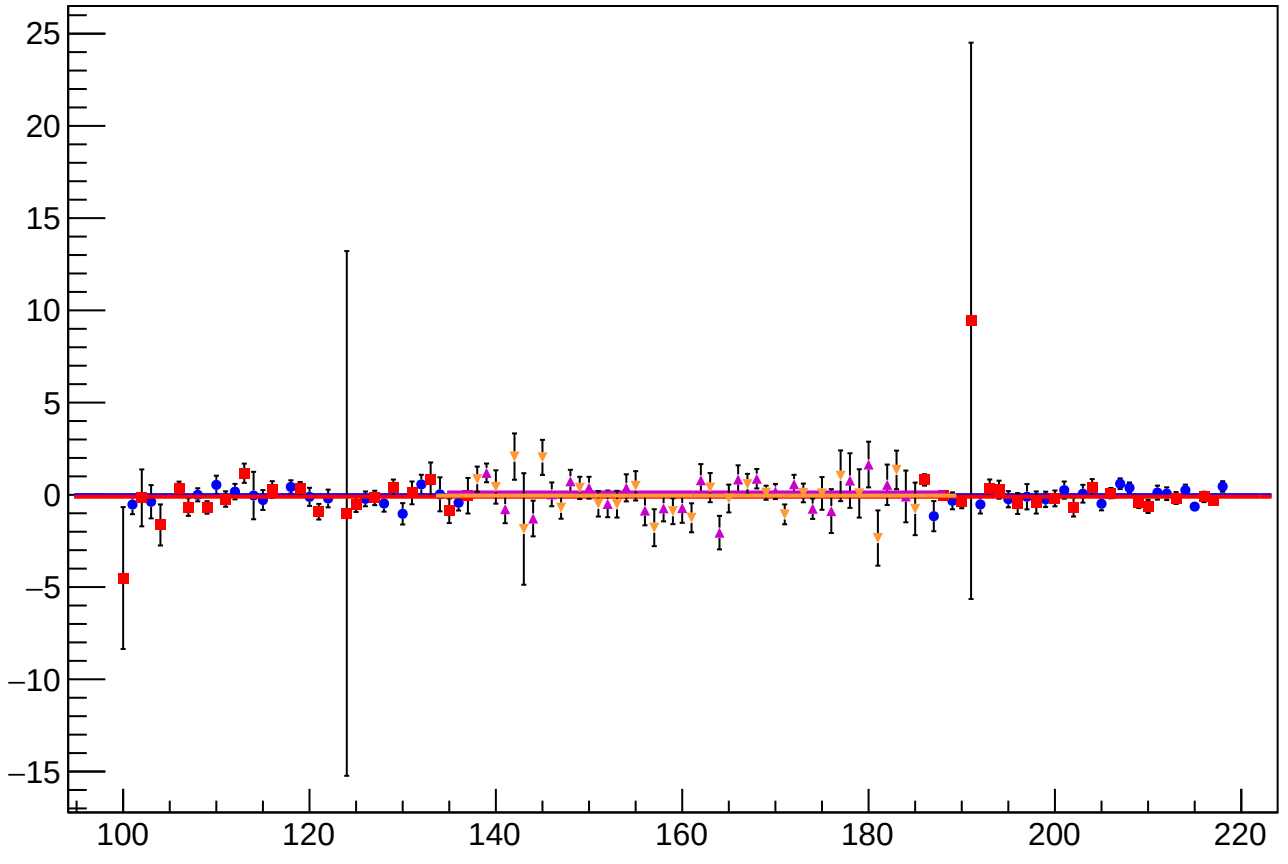
Right Out: 277.362+/-0.048 χ^2/NDF: 5098446.9/35

Left In: 586.820+/-0.103 χ^2/NDF:2934613.3/22

+ sign 371.793+/-0.047 χ^2/NDF: 12765960.4/56

All: 350.763+/-0.032 χ^2/NDF: 28642092.3/11

- sign 332.573+/-0.043 χ^2/NDF: 15496796.4/58



Right In: -0.016+/-0.074 χ^2/NDF: 32.6/31

Left Out: -0.041+/-0.148 χ^2/NDF:30.1/24

Right Out: -0.103+/-0.068 χ^2/NDF: 44.2/35

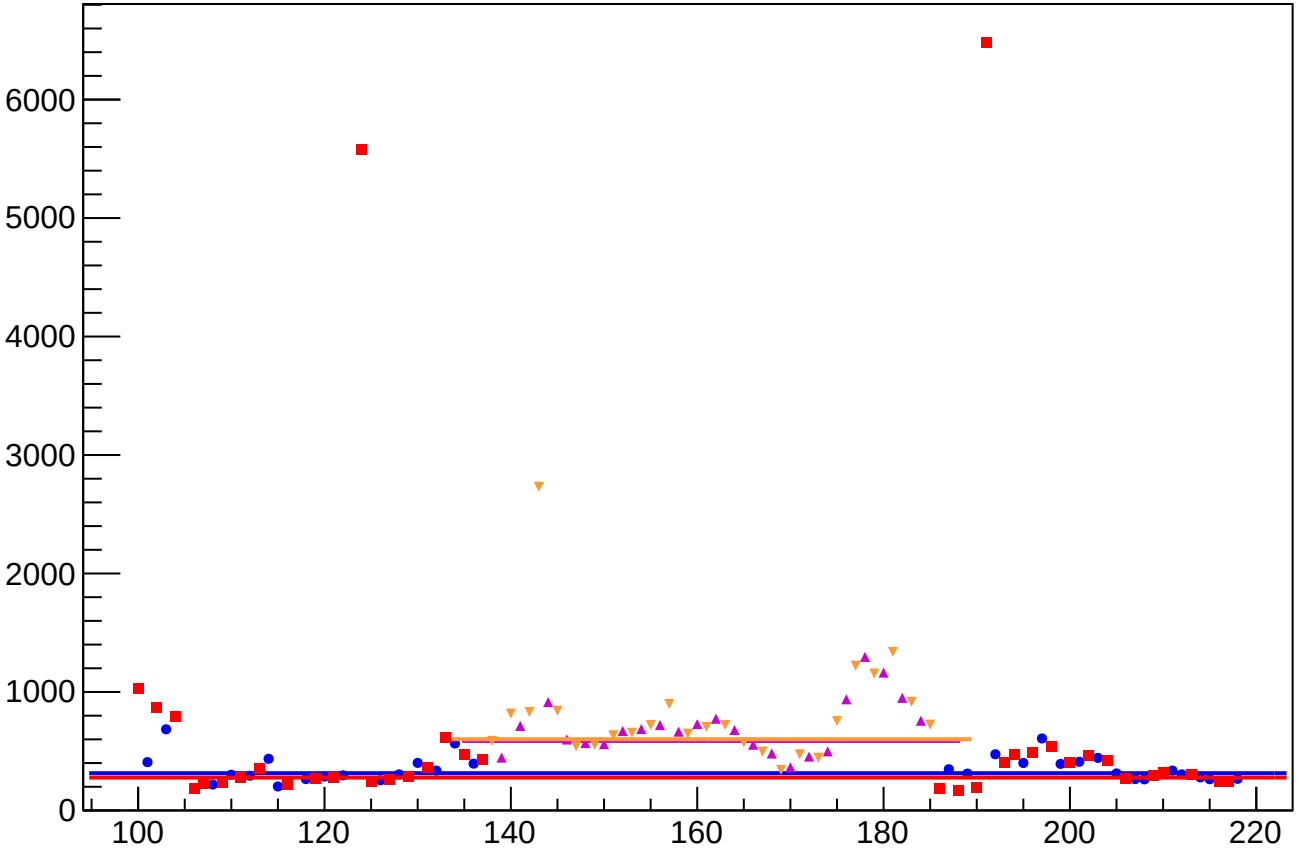
Left In: 0.128+/-0.145 χ^2/NDF:29.0/22

+ sign -0.021+/-0.066 χ^2/NDF: 62.7/56

All: -0.043+/-0.045 χ^2/NDF: 138.2/115

- sign -0.062+/-0.061 χ^2/NDF: 75.3/58

asym_at2_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 314.499+/-0.052 χ^2/NDF: 2259825.5/31

Left Out: 601.214+/-0.104 χ^2/NDF:4460662.1/24

Right Out: 277.362+/-0.048 χ^2/NDF: 5098446.9/35

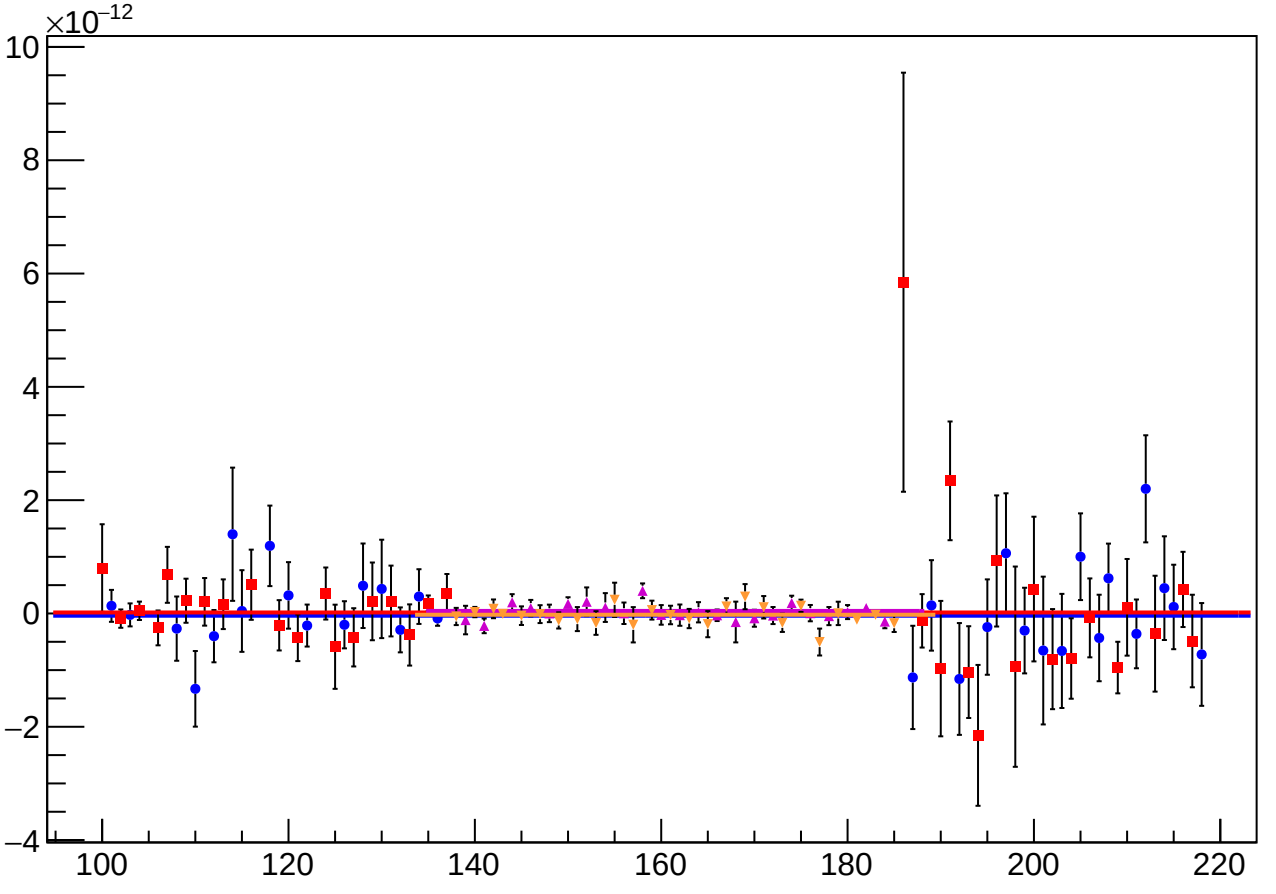
Left In: 586.820+/-0.103 χ^2/NDF:2934613.3/22

+ sign 371.793+/-0.047 χ^2/NDF: 12765960.4/56

All: 350.763+/-0.032 χ^2/NDF: 28642092.3/11

- sign 332.573+/-0.043 χ^2/NDF: 15496796.4/58

asym_at2_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 26.7/31

Left Out: -0.000+/-0.000 χ^2/NDF:16.4/24

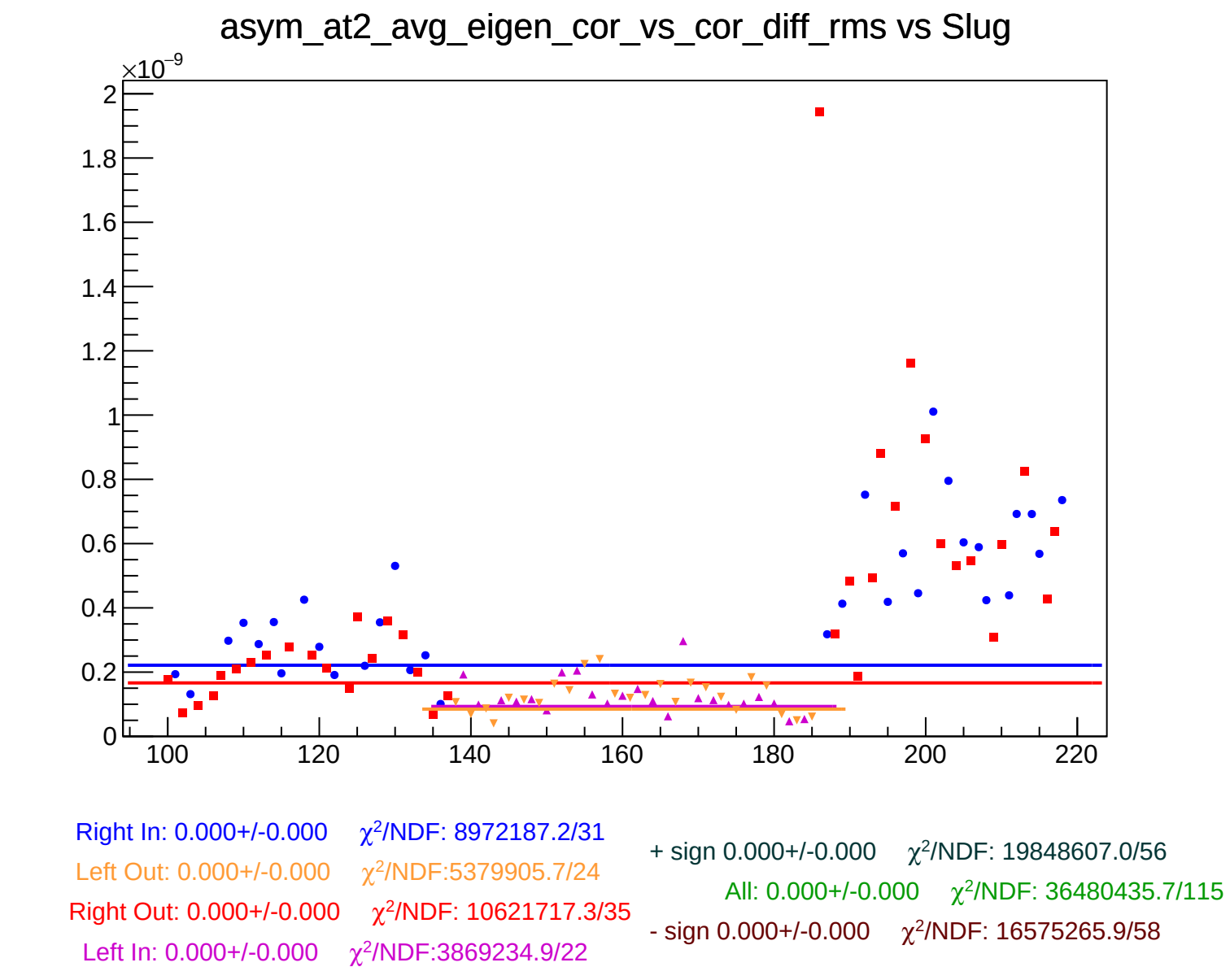
Right Out: 0.000+/-0.000 χ^2/NDF: 33.4/35

Left In: 0.000+/-0.000 χ^2/NDF:22.0/22

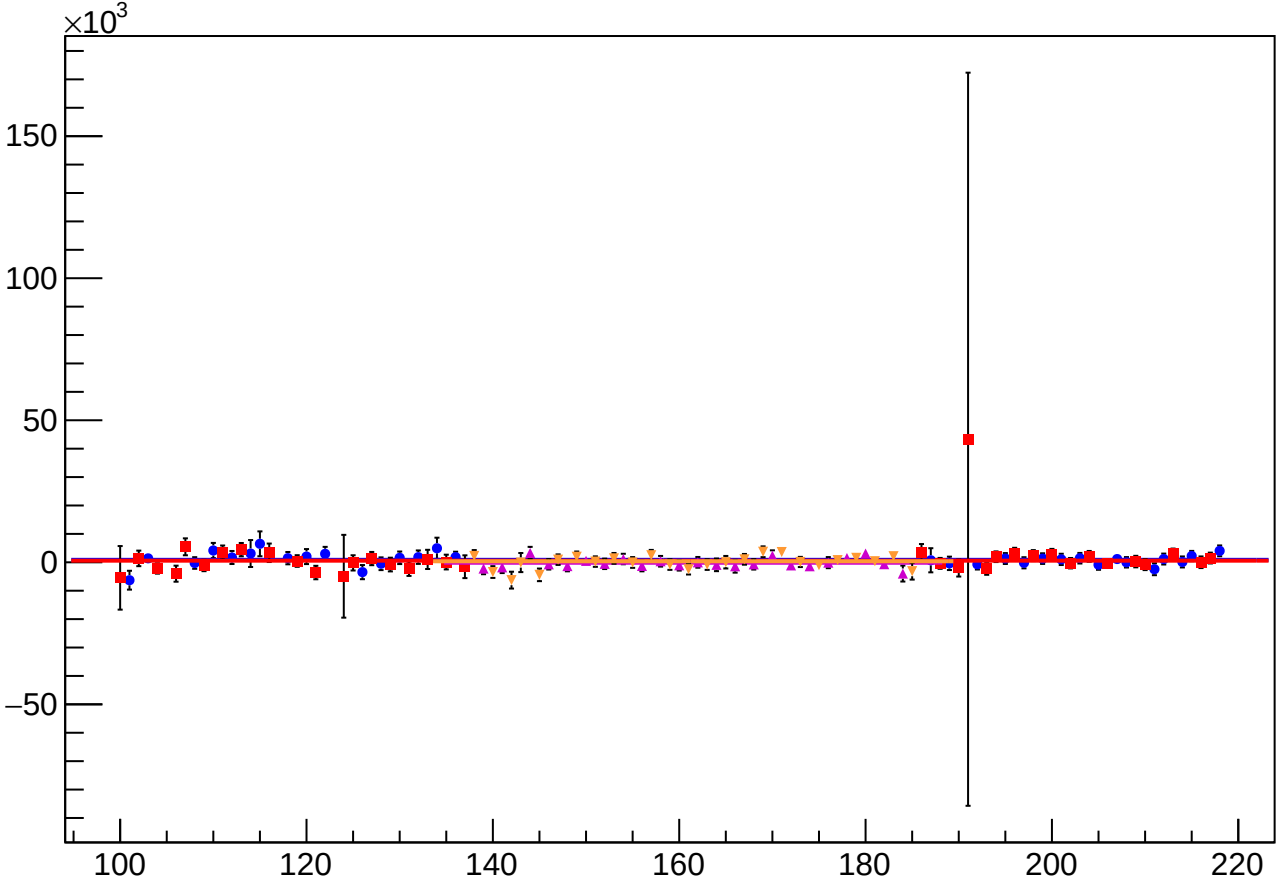
+ sign -0.000+/-0.000 χ^2/NDF: 43.1/56

All: 0.000+/-0.000 χ^2/NDF: 101.9/115

- sign 0.000+/-0.000 χ^2/NDF: 55.5/58


asym_at2_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 8972187.2/31
Left Out: 0.000+/-0.000 χ²/NDF:5379905.7/24
Right Out: 0.000+/-0.000 χ²/NDF: 10621717.3/35
Left In: 0.000+/-0.000 χ²/NDF:3869234.9/22
+ sign 0.000+/-0.000 χ²/NDF: 19848607.0/56
All: 0.000+/-0.000 χ²/NDF: 36480435.7/115
- sign 0.000+/-0.000 χ²/NDF: 16575265.9/58

reg_asym_at2_dd_mean vs Slug



Right In: 870.724+/-380.188 χ^2/NDF: 23.3/31

Left Out: 361.645+/-388.131 χ^2/NDF:29.6/24

Right Out: 574.362+/-381.232 χ^2/NDF: 31.3/35

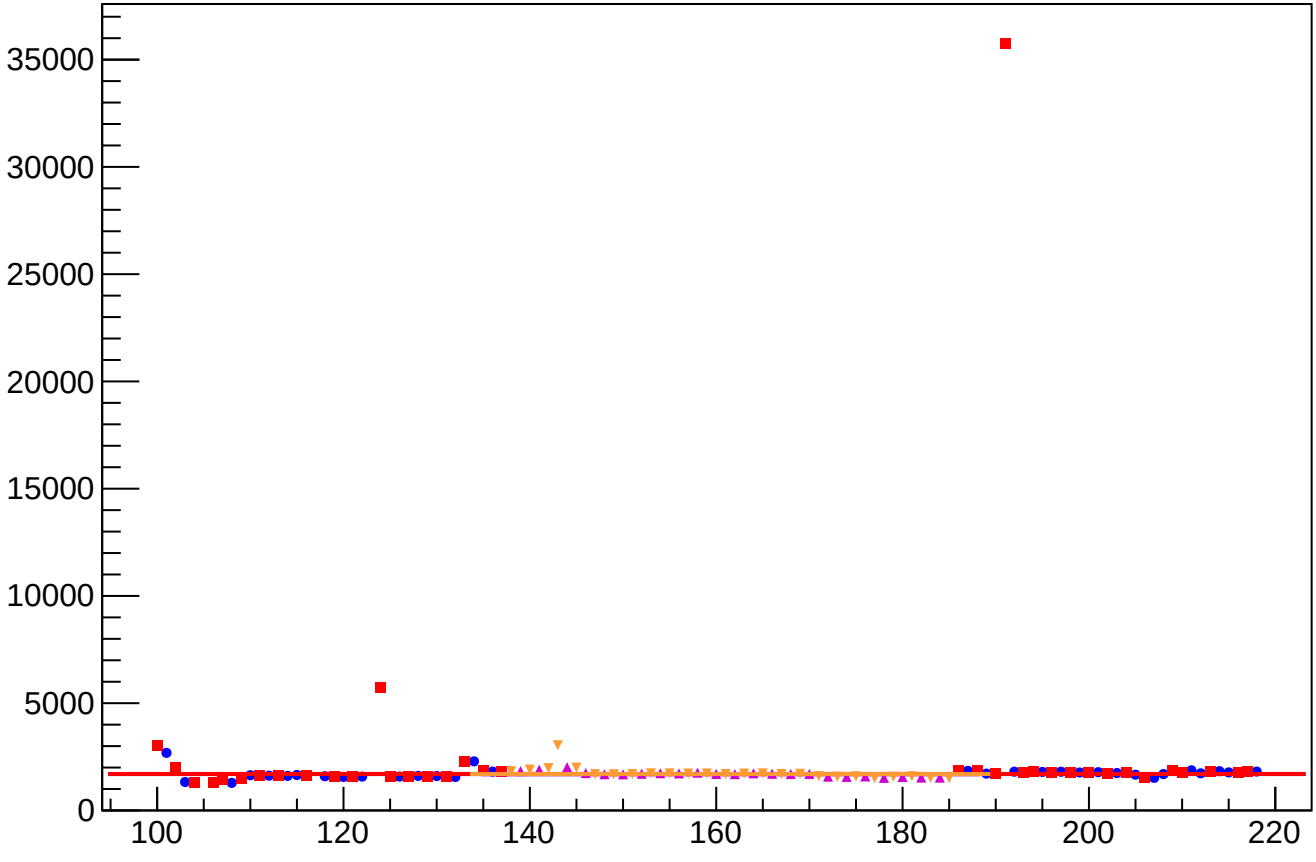
Left In: -157.028+/-394.257 χ^2/NDF:16.0/22

\+ sign 621.447+/-271.598 χ^2/NDF: 53.7/56

All: 423.005+/-192.914 χ^2/NDF: 104.0/115

\- sign 220.948+/-274.061 χ^2/NDF: 49.1/58

reg_asym_at2_dd_rms vs Slug



Right In: 1696.375+/-0.269 χ^2/NDF: 531465.9/31

Left Out: 1697.496+/-0.274 χ^2/NDF:495397.9/24

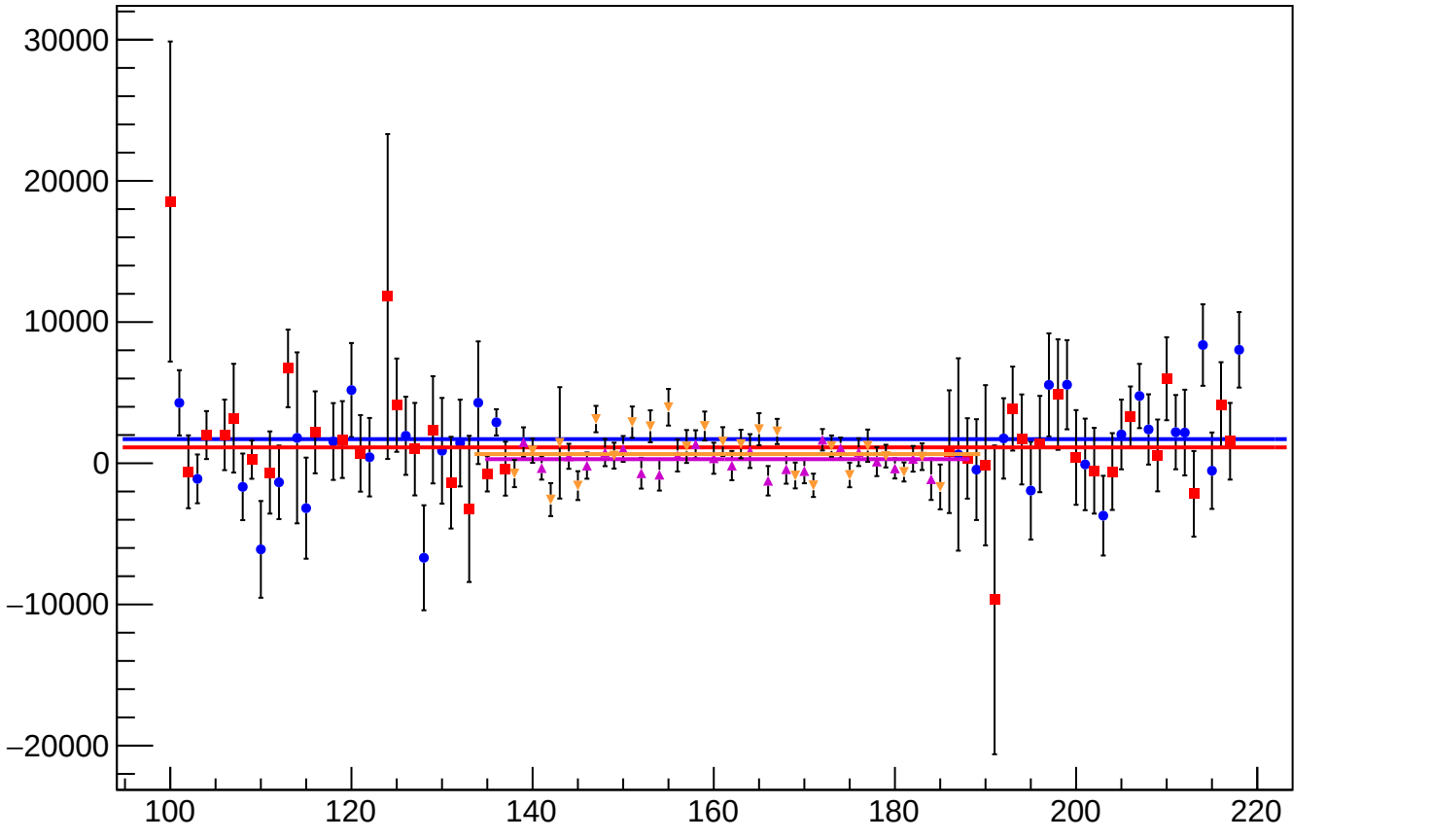
Right Out: 1702.153+/-0.270 χ^2/NDF: 732081.2/35

Left In: 1684.577+/-0.279 χ^2/NDF:165355.7/22

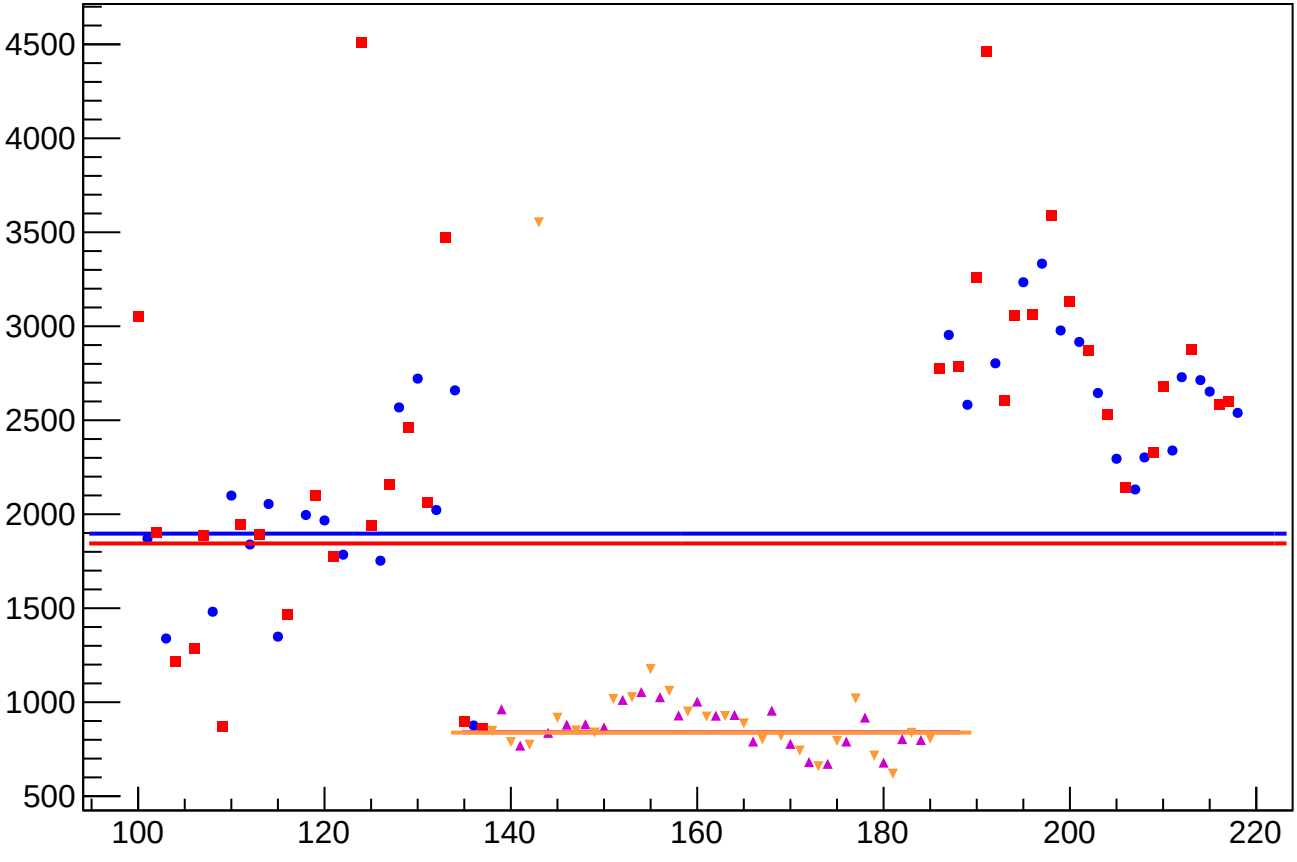
+ sign 1696.924+/-0.192 χ^2/NDF: 1026872.3/56

All: 1695.307+/-0.136 χ^2/NDF: 1926506.4/11

- sign 1693.660+/-0.194 χ^2/NDF: 899491.0/58


asym_at2_dd_reg_correction_mean vs Slug
30000
20000
10000
0
−10000
−20000
100
120
140
160
180
200
220
Right In: 1709.073+/-453.963 χ²/NDF: 44.5/31
Left Out: 649.165+/-195.671 χ²/NDF:65.5/24
Right Out: 1124.609+/-448.381 χ²/NDF: 24.2/35
Left In: 288.616+/-198.494 χ²/NDF:16.6/22
+ sign 815.228+/-179.689 χ²/NDF: 114.6/56
All: 622.373+/-127.696 χ²/NDF: 160.6/115
- sign 425.604+/-181.504 χ²/NDF: 43.7/58

asym_at2_dd_reg_correction_rms vs Slug



Right In: 1896.811+/-0.321 χ^2/NDF: 5240993.1/31

Left Out: 838.243+/-0.138 χ^2/NDF:1800245.5/24

Right Out: 1844.556+/-0.317 χ^2/NDF: 6595018.7/35

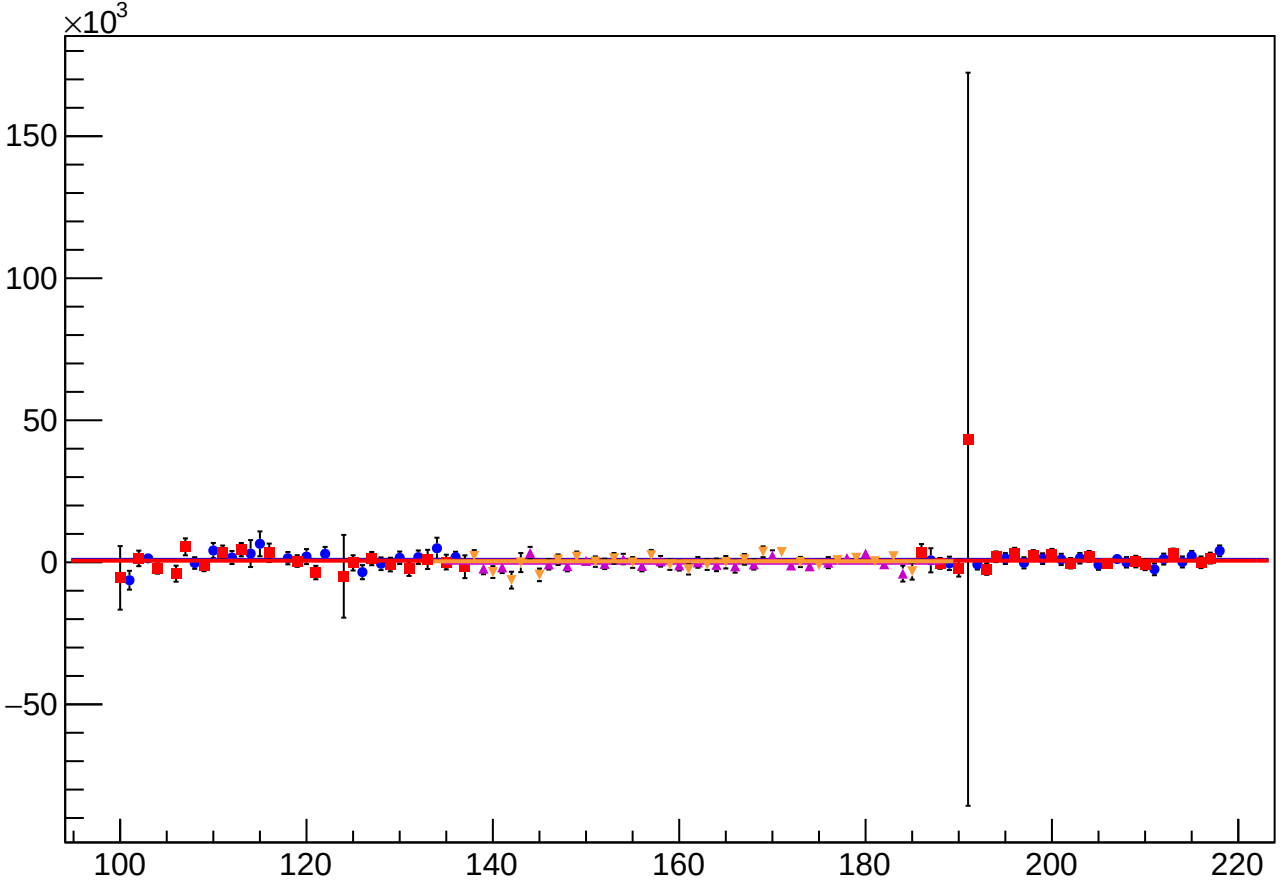
Left In: 839.976+/-0.140 χ^2/NDF:669341.7/22

+ sign 1004.096+/-0.127 χ^2/NDF: 16212339.9/56

All: 1004.340+/-0.090 χ^2/NDF: 31870988.2/1

- sign 1004.589+/-0.128 χ^2/NDF: 15658640.8/58

cor_asym_at2_dd_mean vs Slug



Right In: 870.766+/-380.188 χ^2/NDF: 23.3/31

Left Out: 361.560+/-388.131 χ^2/NDF:29.6/24

Right Out: 574.461+/-381.232 χ^2/NDF: 31.3/35

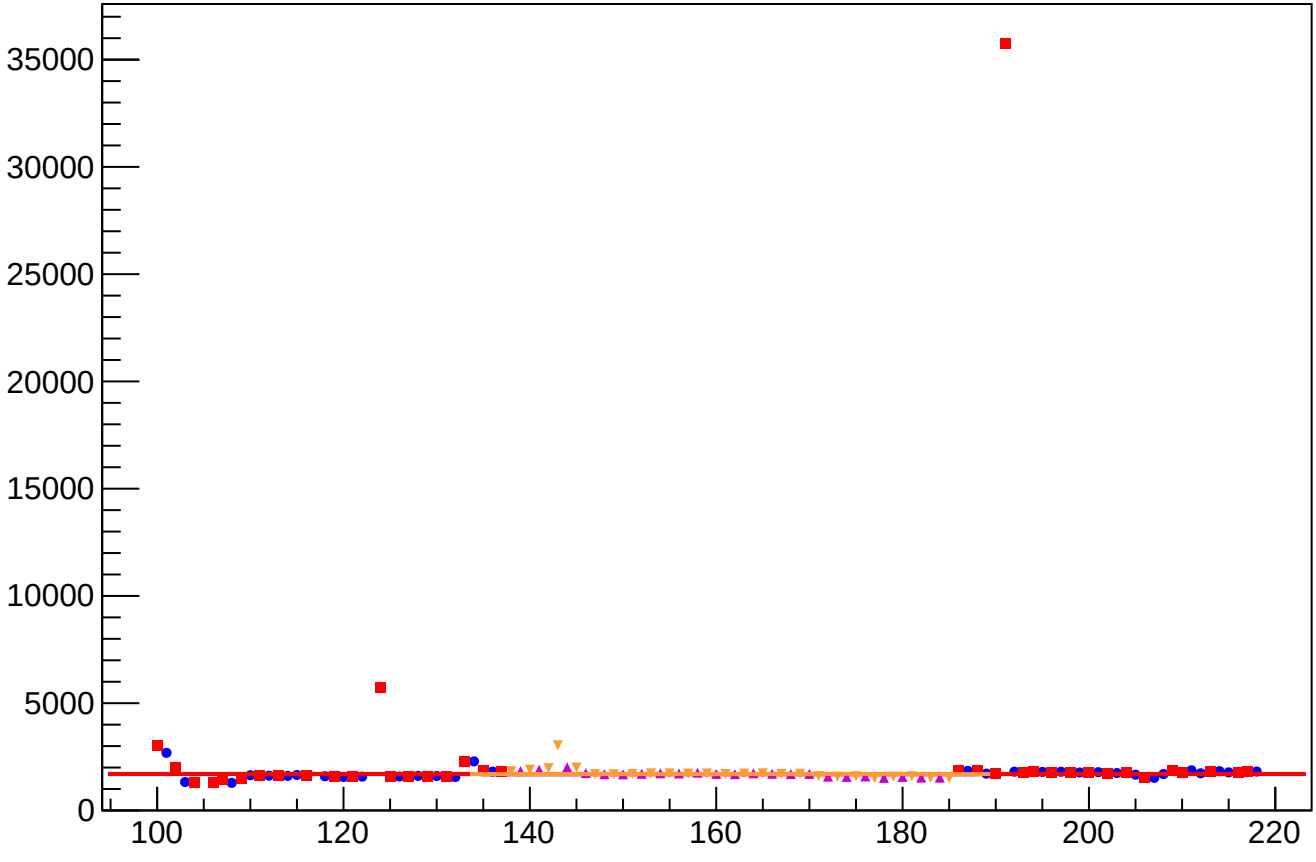
Left In: -156.934+/-394.258 χ^2/NDF:16.0/22

+ sign 621.427+/-271.598 χ^2/NDF: 53.8/56

All: 423.043+/-192.914 χ^2/NDF: 104.0/115

- sign 221.045+/-274.061 χ^2/NDF: 49.1/58

cor_asym_at2_dd_rms vs Slug



Right In: 1696.375+/-0.269 χ^2/NDF: 531466.3/31

Left Out: 1697.496+/-0.274 χ^2/NDF:495397.9/24

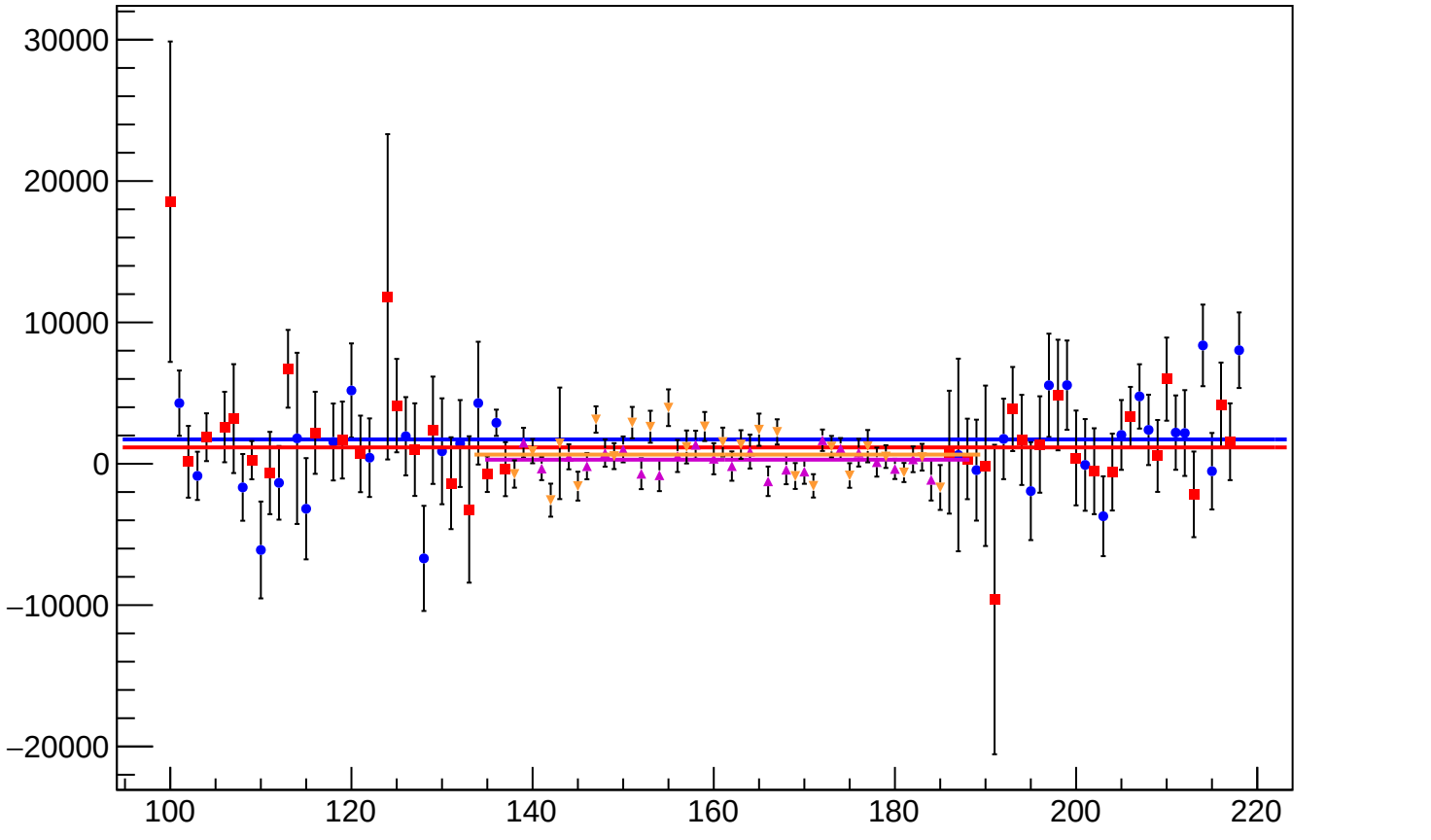
Right Out: 1702.153+/-0.270 χ^2/NDF: 732081.3/35

Left In: 1684.577+/-0.279 χ^2/NDF:165355.7/22

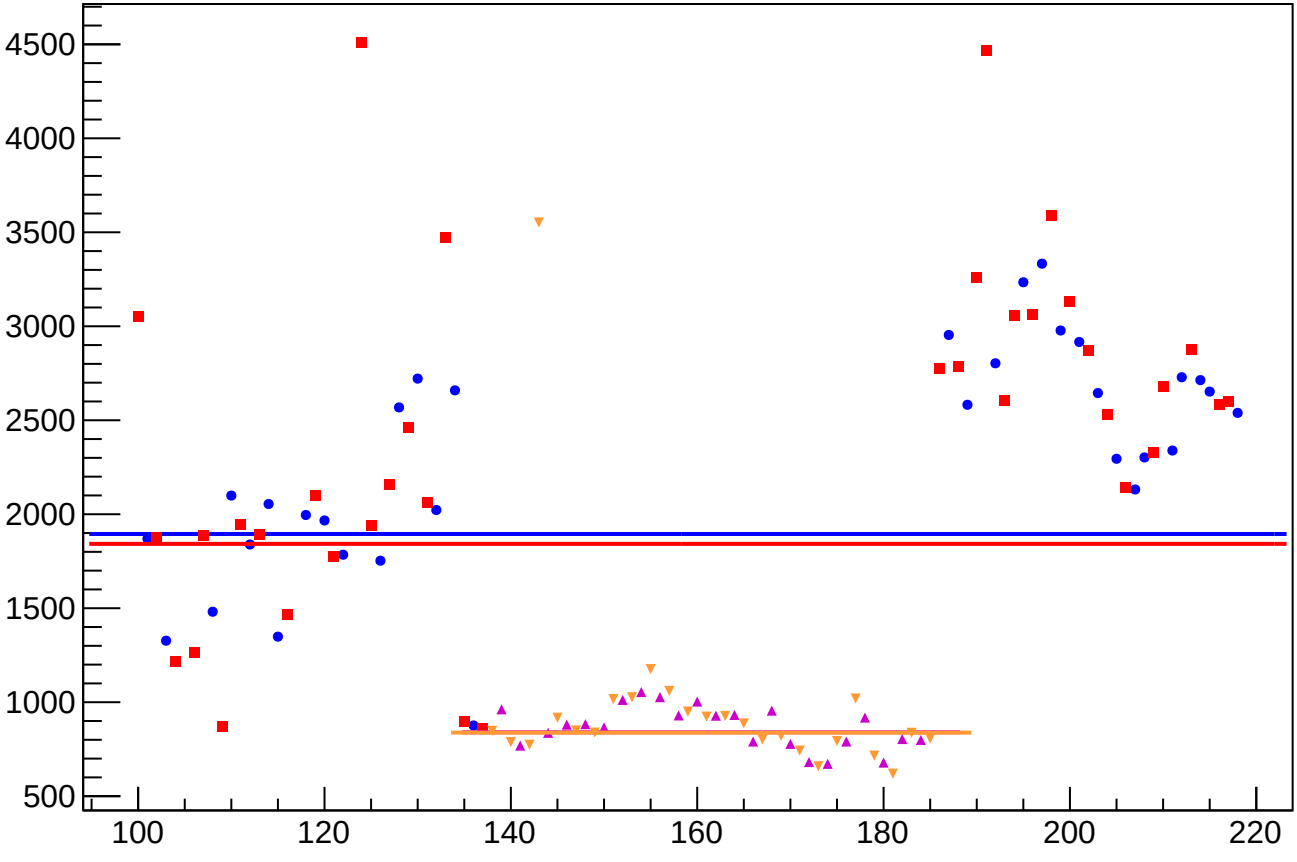
+ sign 1696.924+/-0.192 χ^2/NDF: 1026872.7/56

All: 1695.307+/-0.136 χ^2/NDF: 1926506.8/11

- sign 1693.660+/-0.194 χ^2/NDF: 899491.1/58


asym_at2_dd_cor_correction_mean vs Slug
30000
20000
10000
0
−10000
−20000
100
120
140
160
180
200
220
Right In: 1722.251+/-453.566 χ²/NDF: 44.1/31
Left Out: 649.165+/-195.673 χ²/NDF:65.5/24
Right Out: 1157.677+/-447.979 χ²/NDF: 24.1/35
Left In: 288.602+/-198.495 χ²/NDF:16.6/22
+ sign 817.544+/-179.667 χ²/NDF: 114.3/56
All: 626.321+/-127.679 χ²/NDF: 160.4/115
- sign 431.224+/-181.478 χ²/NDF: 43.7/58

asym_at2_dd_cor_correction_rms vs Slug



Right In: 1894.993+/-0.321 χ^2/NDF: 5255189.3/31

Left Out: 838.254+/-0.138 χ^2/NDF:1800138.0/24

Right Out: 1842.401+/-0.317 χ^2/NDF: 6607083.3/35

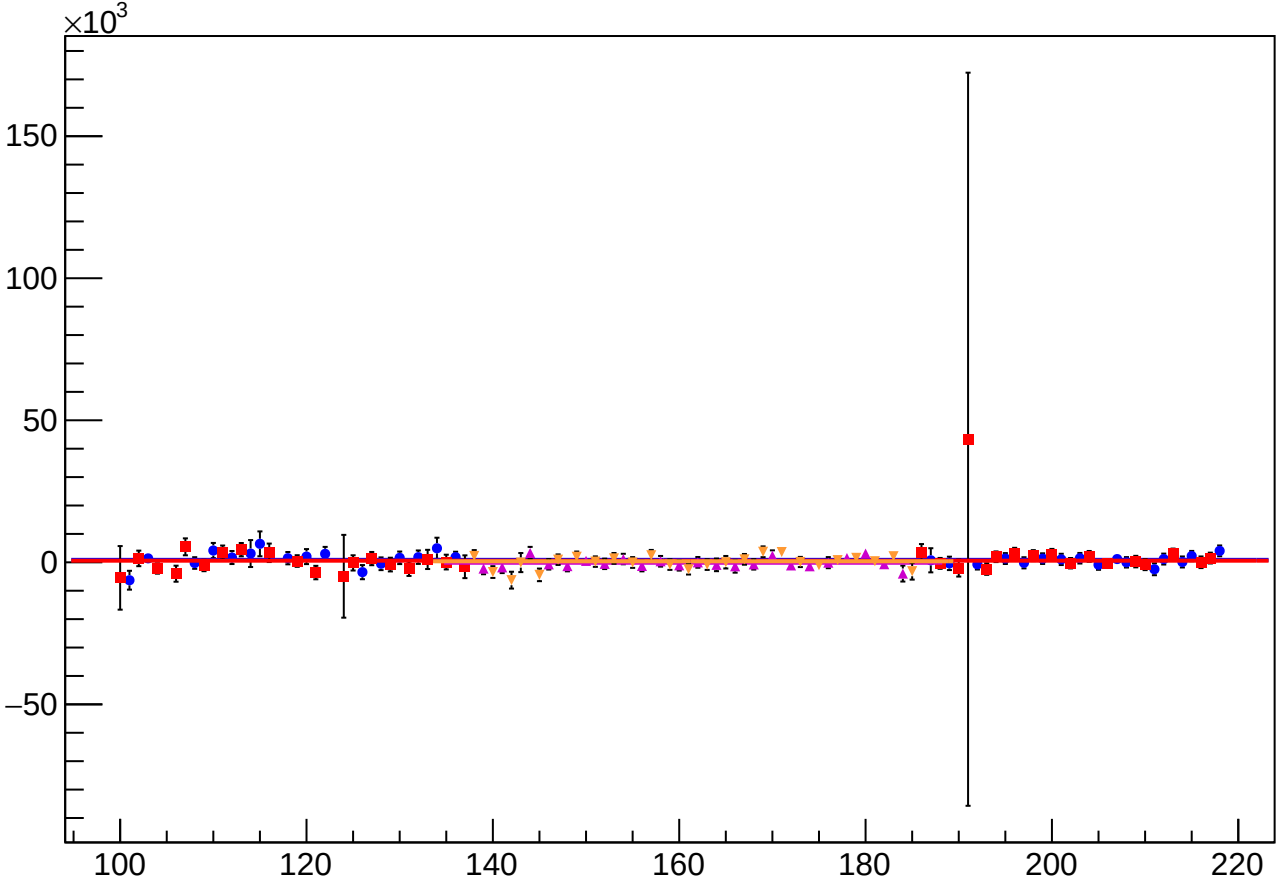
Left In: 839.978+/-0.140 χ^2/NDF:669338.3/22

+ sign 1004.068+/-0.127 χ^2/NDF: 16208188.6/56

All: 1004.274+/-0.090 χ^2/NDF: 31855394.3/1

- sign 1004.484+/-0.128 χ^2/NDF: 15647200.4/58

eigen_cor_asym_at2_dd_mean vs Slug



Right In: 870.766+/-380.188 χ^2/NDF: 23.3/31

Left Out: 361.560+/-388.131 χ^2/NDF:29.6/24

Right Out: 574.461+/-381.232 χ^2/NDF: 31.3/35

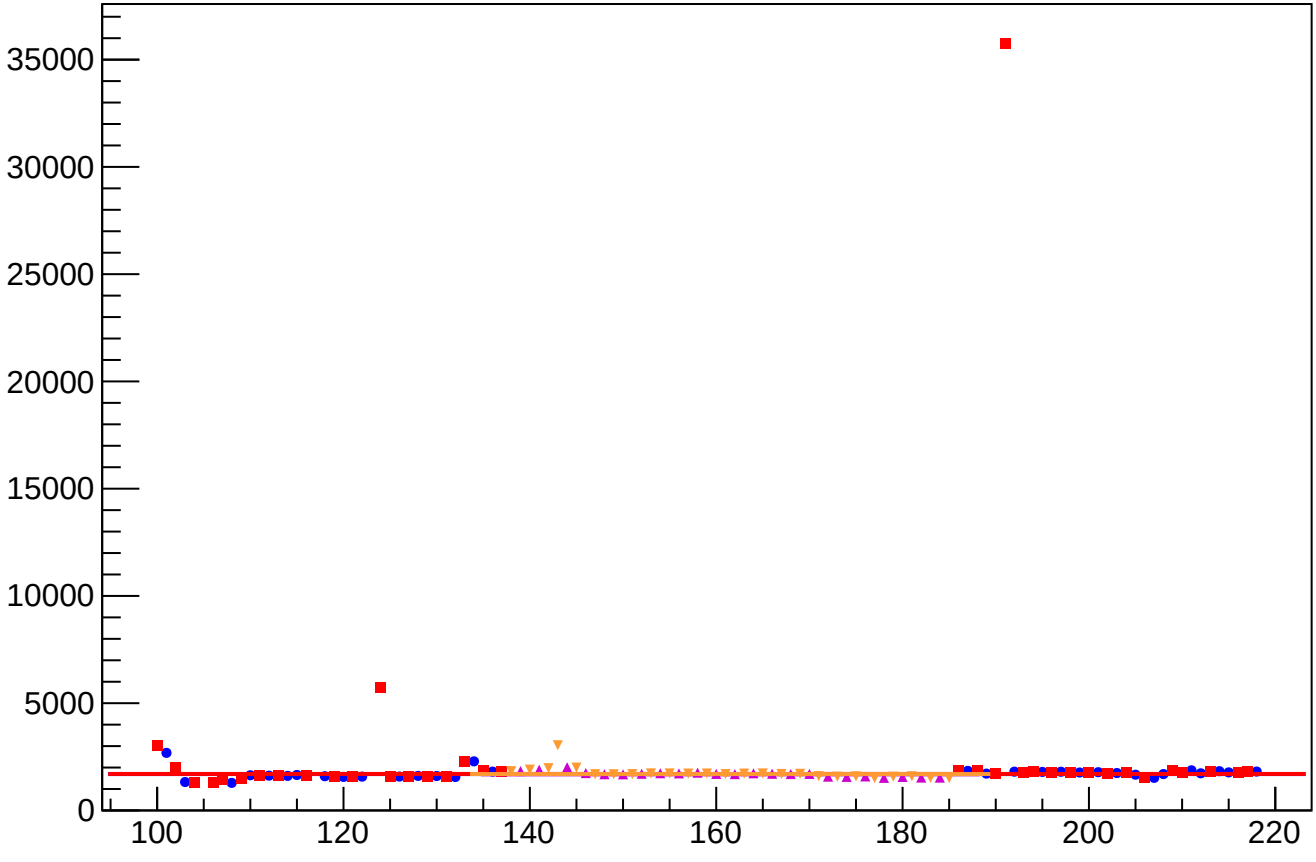
Left In: -156.934+/-394.258 χ^2/NDF:16.0/22

+ sign 621.427+/-271.598 χ^2/NDF: 53.8/56

All: 423.043+/-192.914 χ^2/NDF: 104.0/115

- sign 221.045+/-274.061 χ^2/NDF: 49.1/58

eigen_cor_asym_at2_dd_rms vs Slug



Right In: 1696.375+/-0.269 χ^2/NDF: 531466.3/31

Left Out: 1697.496+/-0.274 χ^2/NDF:495397.9/24

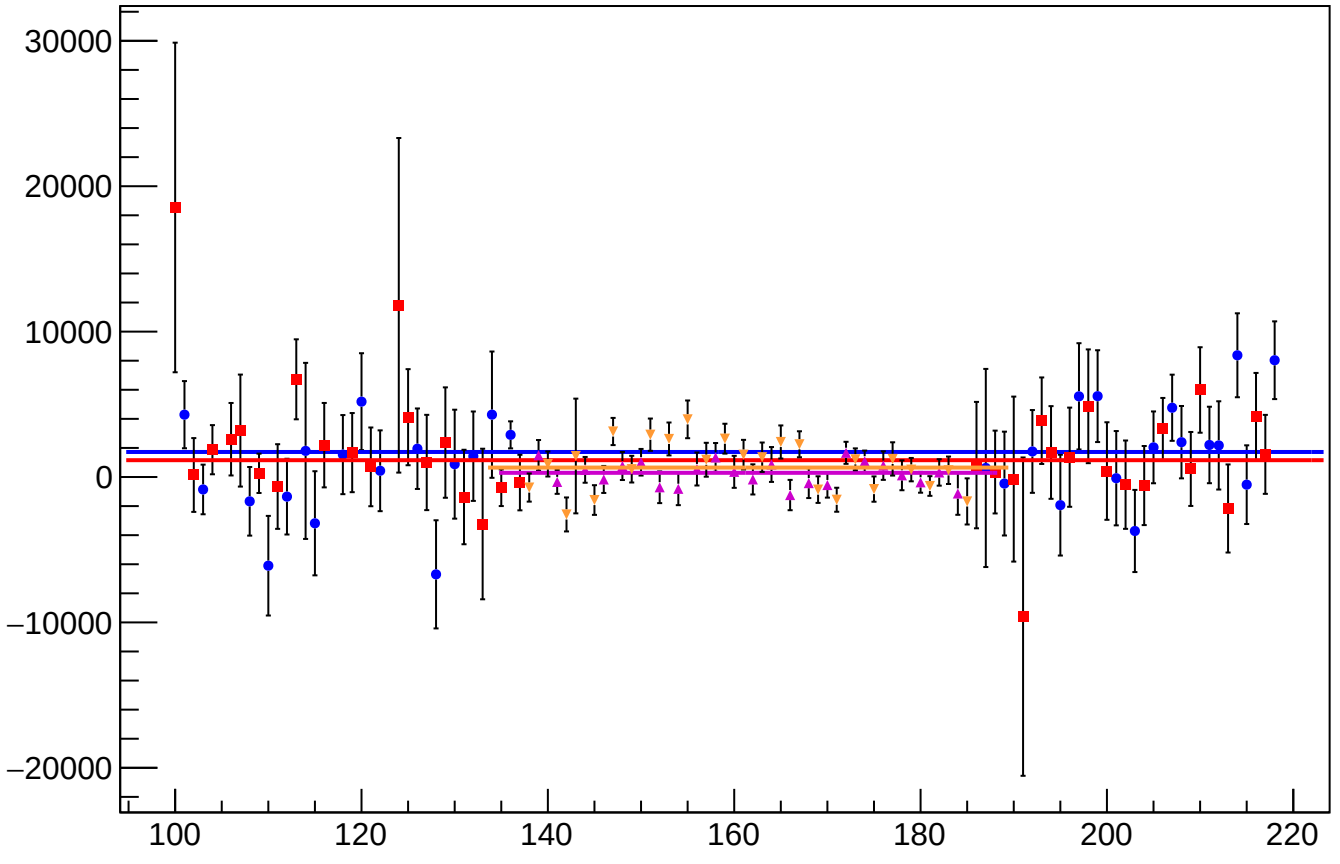
Right Out: 1702.153+/-0.270 χ^2/NDF: 732081.3/35

Left In: 1684.577+/-0.279 χ^2/NDF:165355.7/22

+ sign 1696.924+/-0.192 χ^2/NDF: 1026872.7/56

All: 1695.307+/-0.136 χ^2/NDF: 1926506.8/11

- sign 1693.660+/-0.194 χ^2/NDF: 899491.1/58



Right In: 1722.251+/-453.566 χ^2/NDF: 44.1/31

Left Out: 649.165+/-195.673 χ^2/NDF:65.5/24

Right Out: 1157.677+/-447.979 χ^2/NDF: 24.1/35

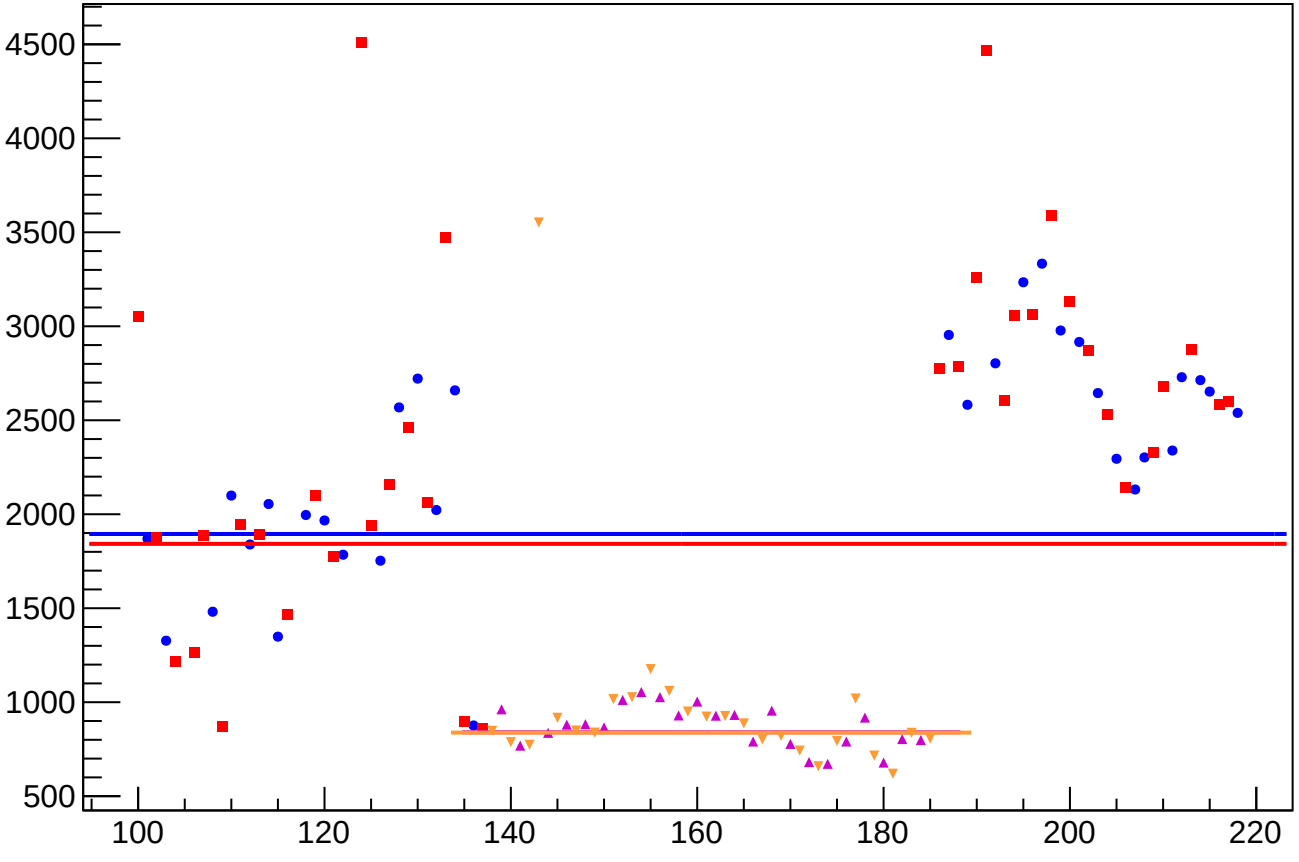
Left In: 288.602+/-198.495 χ^2/NDF:16.6/22

+ sign 817.544+/-179.667 χ^2/NDF: 114.3/56

All: 626.321+/-127.679 χ^2/NDF: 160.4/115

- sign 431.224+/-181.478 χ^2/NDF: 43.7/58

asym_at2_dd_eigen_cor_correction_rms vs Slug



Right In: 1894.993+/-0.321 χ^2/NDF: 5255189.3/31

Left Out: 838.254+/-0.138 χ^2/NDF:1800138.0/24

Right Out: 1842.401+/-0.317 χ^2/NDF: 6607083.3/35

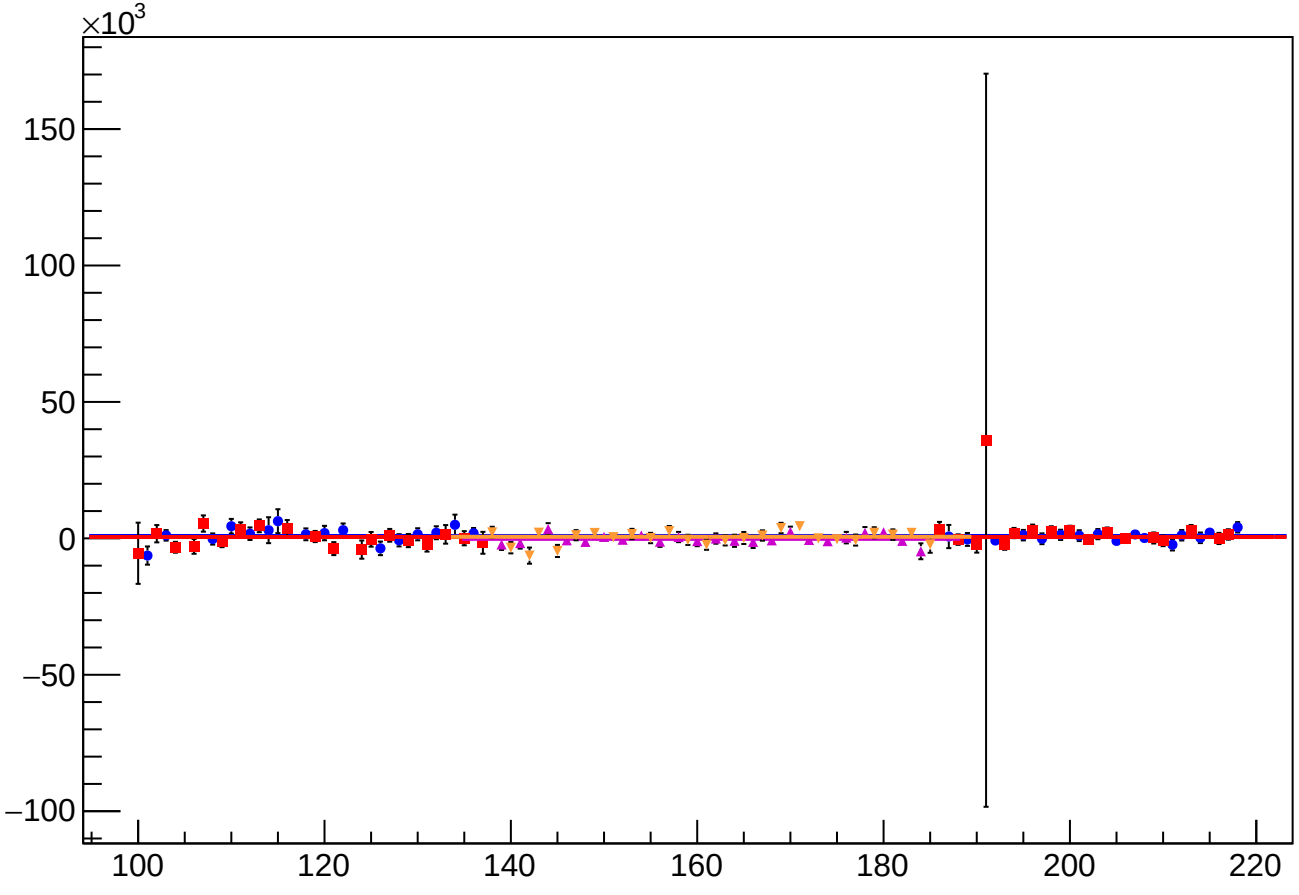
Left In: 839.978+/-0.140 χ^2/NDF:669338.3/22

+ sign 1004.068+/-0.127 χ^2/NDF: 16208188.6/56

All: 1004.274+/-0.090 χ^2/NDF: 31855394.3/1

- sign 1004.484+/-0.128 χ^2/NDF: 15647200.4/58

dit_asym_at2_dd_mean vs Slug



Right In: 867.055+/-382.540 χ^2/NDF: 23.8/31

Left Out: 580.299+/-389.769 χ^2/NDF:31.9/24

Right Out: 489.649+/-381.697 χ^2/NDF: 33.7/35

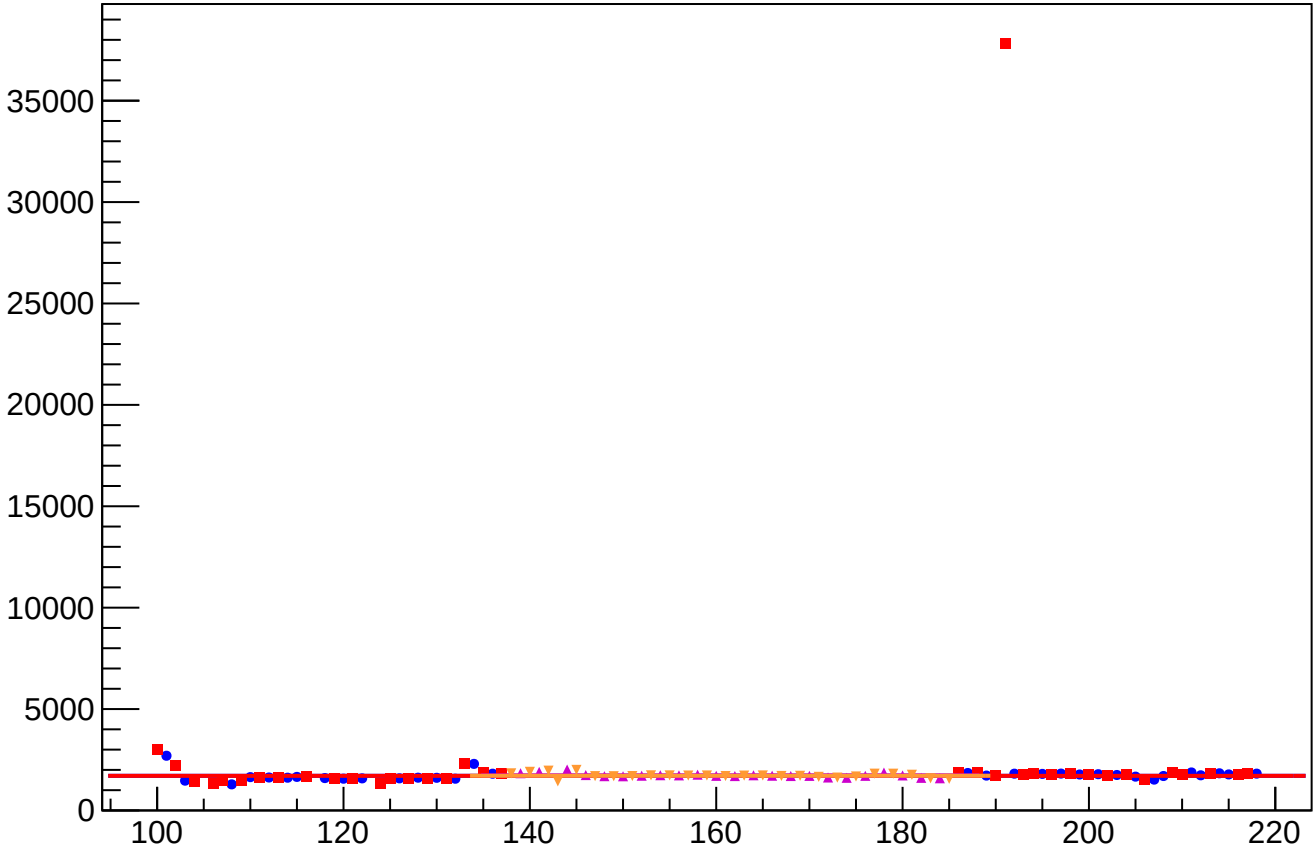
Left In: -185.836+/-404.094 χ^2/NDF:14.4/22

+ sign 726.361+/-273.017 χ^2/NDF: 56.0/56

All: 453.254+/-194.611 χ^2/NDF: 107.6/115

- sign 171.144+/-277.481 χ^2/NDF: 49.6/58

dit_asym_at2_dd_rms vs Slug



Right In: 1708.171+/-0.270 χ^2/NDF: 471490.8/31

Left Out: 1711.712+/-0.276 χ^2/NDF:168006.4/24

Right Out: 1706.863+/-0.270 χ^2/NDF: 590868.9/35

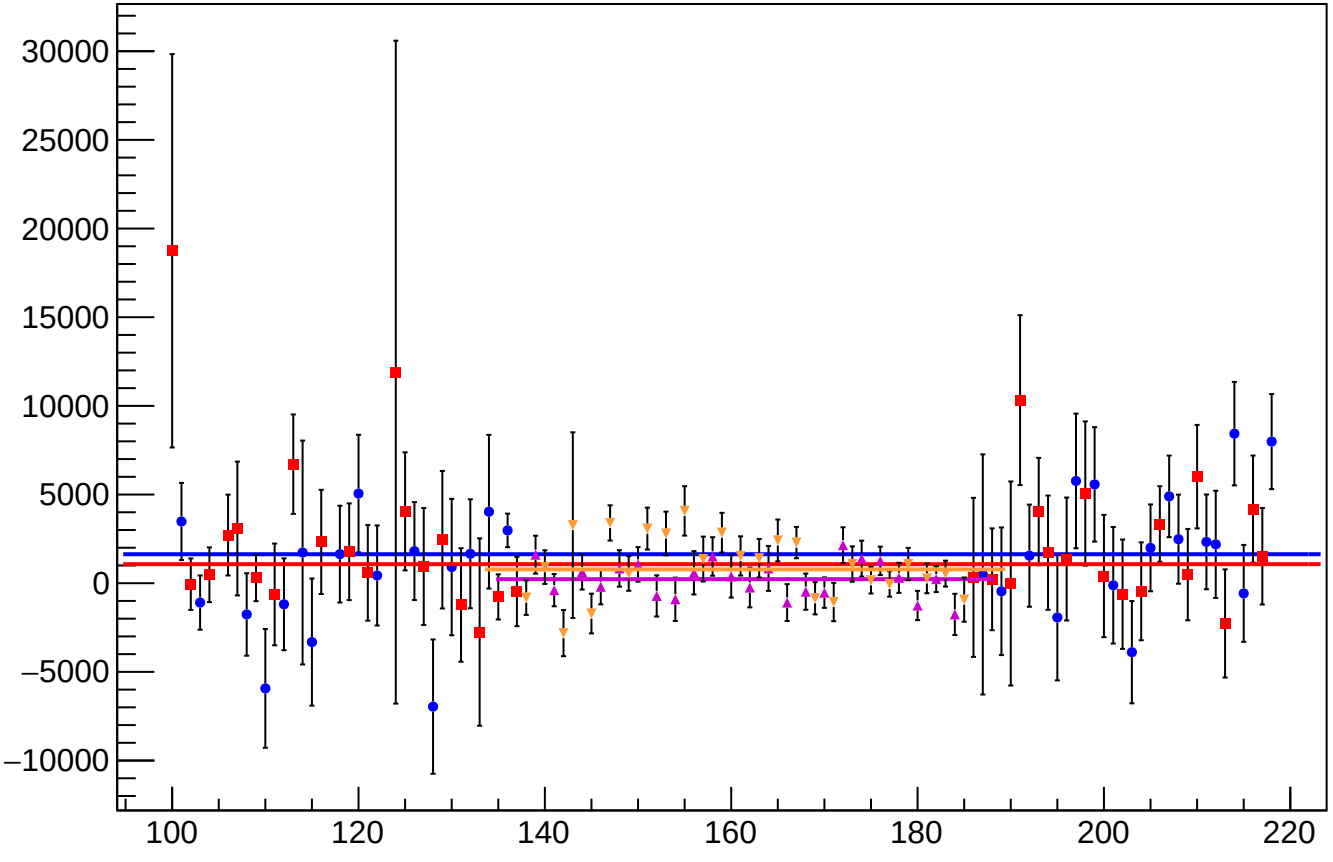
Left In: 1727.912+/-0.286 χ^2/NDF:100226.8/22

+ sign 1709.908+/-0.193 χ^2/NDF: 639581.2/56

All: 1713.292+/-0.138 χ^2/NDF: 1334169.7/11

- sign 1716.788+/-0.196 χ^2/NDF: 693963.7/58

asym_at2_dd_dit_correction_mean vs Slug



Right In: 1634.439+/-452.107 χ^2/NDF: 44.9/31

Left Out: 778.974+/-201.641 χ^2/NDF:54.5/24

Right Out: 1072.758+/-430.146 χ^2/NDF: 27.0/35

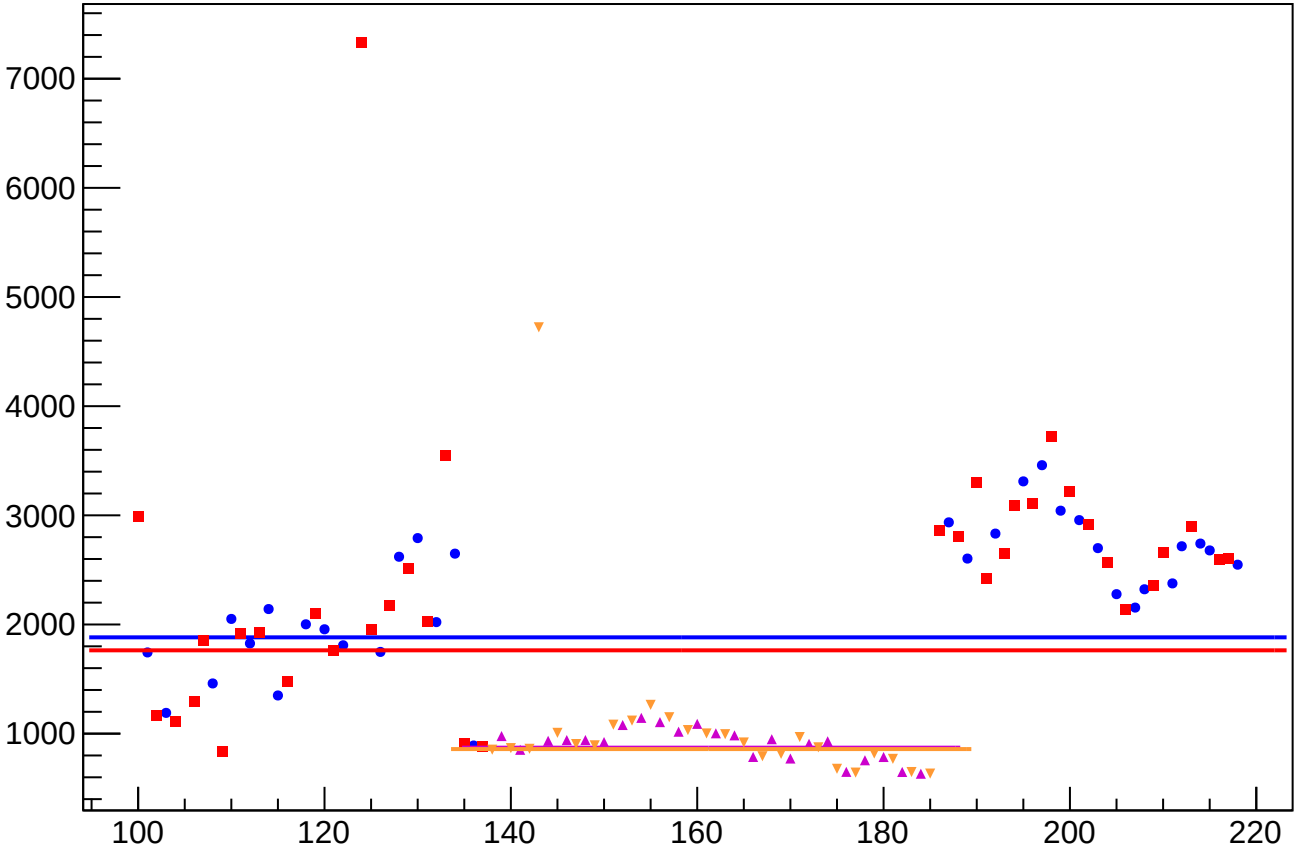
Left In: 228.879+/-206.703 χ^2/NDF:22.6/22

+ sign 920.909+/-184.155 χ^2/NDF: 102.5/56

All: 657.151+/-130.972 χ^2/NDF: 159.3/115

- sign 387.190+/-186.308 χ^2/NDF: 52.7/58

asym_at2_dd_dit_correction_rms vs Slug



Right In: 1882.223+/-0.320 χ^2/NDF: 5474161.1/31

Left Out: 858.593+/-0.143 χ^2/NDF:2279775.0/24

Right Out: 1763.242+/-0.304 χ^2/NDF: 7328634.2/35

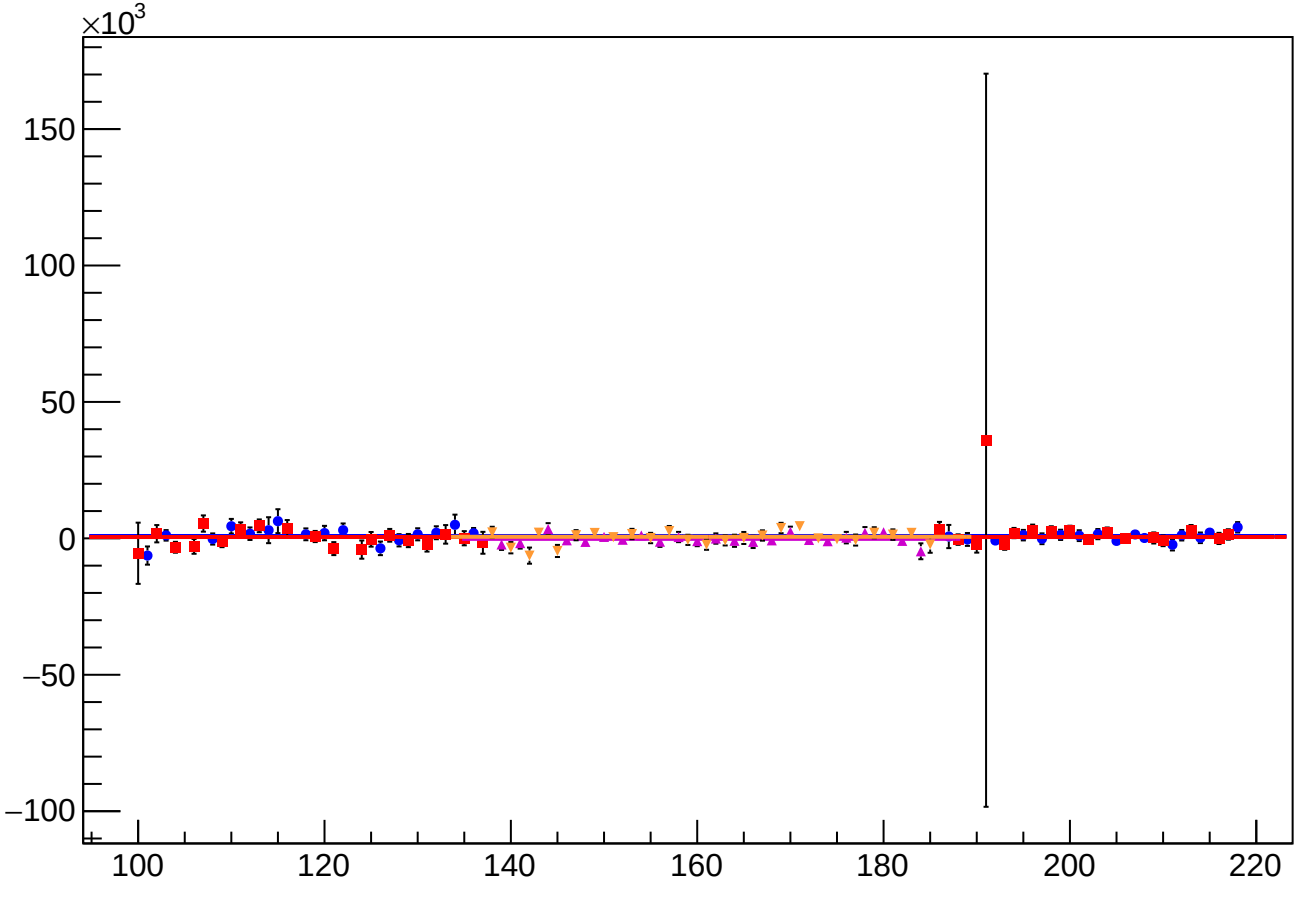
Left In: 871.527+/-0.146 χ^2/NDF:979356.2/22

+ sign 1028.429+/-0.130 χ^2/NDF: 16305488.1/56

All: 1033.560+/-0.093 χ^2/NDF: 31599268.5/1

- sign 1038.812+/-0.132 χ^2/NDF: 15290638.0/58

eigen_dit_asym_at2_dd_mean vs Slug



Right In: 867.047+/-382.540 χ^2/NDF: 23.8/31

Left Out: 580.295+/-389.769 χ^2/NDF:31.9/24

Right Out: 489.645+/-381.697 χ^2/NDF: 33.7/35

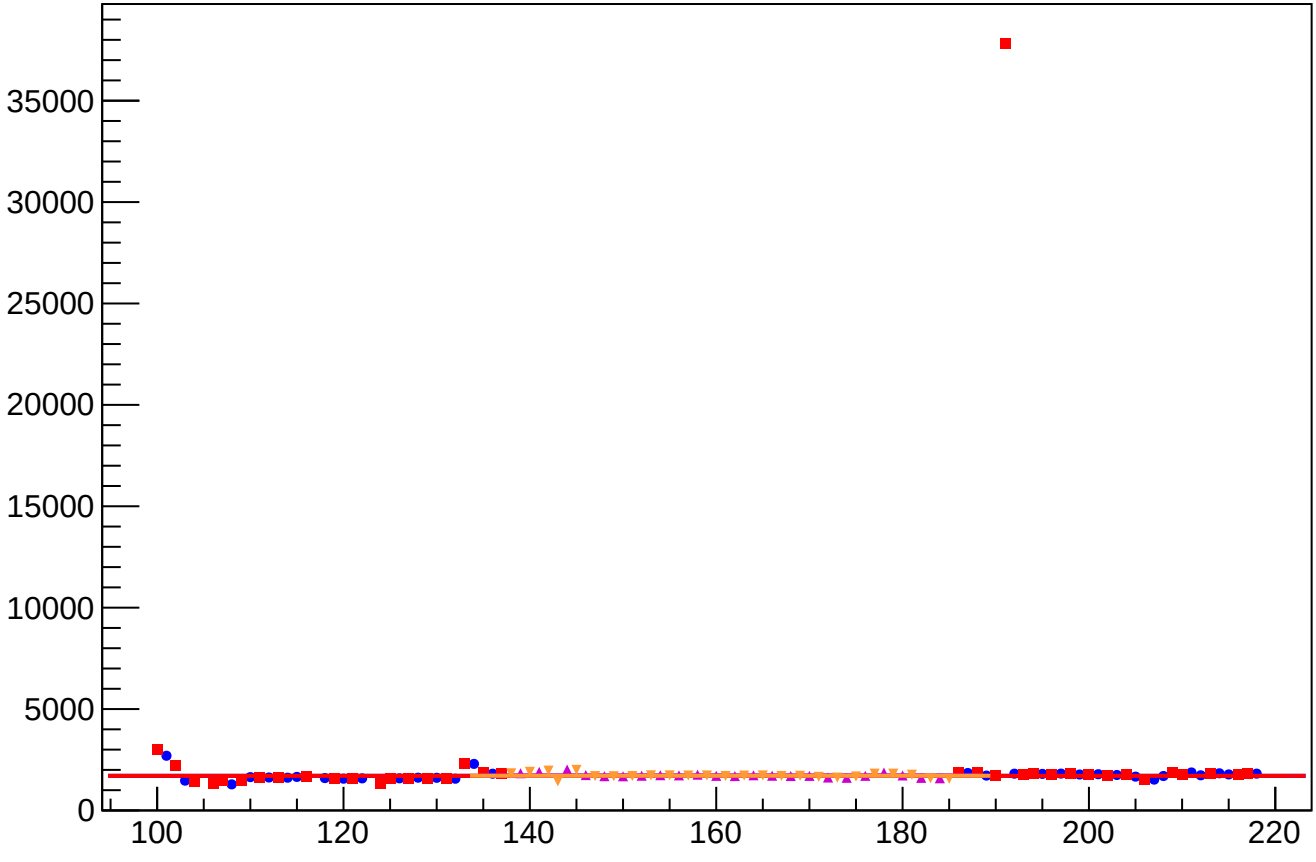
Left In: -185.837+/-404.094 χ^2/NDF:14.4/22

+ sign 726.355+/-273.017 χ^2/NDF: 56.0/56

All: 453.250+/-194.611 χ^2/NDF: 107.6/115

- sign 171.141+/-277.481 χ^2/NDF: 49.6/58

eigen_dit_asym_at2_dd_rms vs Slug



Right In: 1708.171+/-0.270 χ^2/NDF: 471490.6/31

Left Out: 1711.711+/-0.276 χ^2/NDF:168005.1/24

Right Out: 1706.863+/-0.270 χ^2/NDF: 590869.1/35

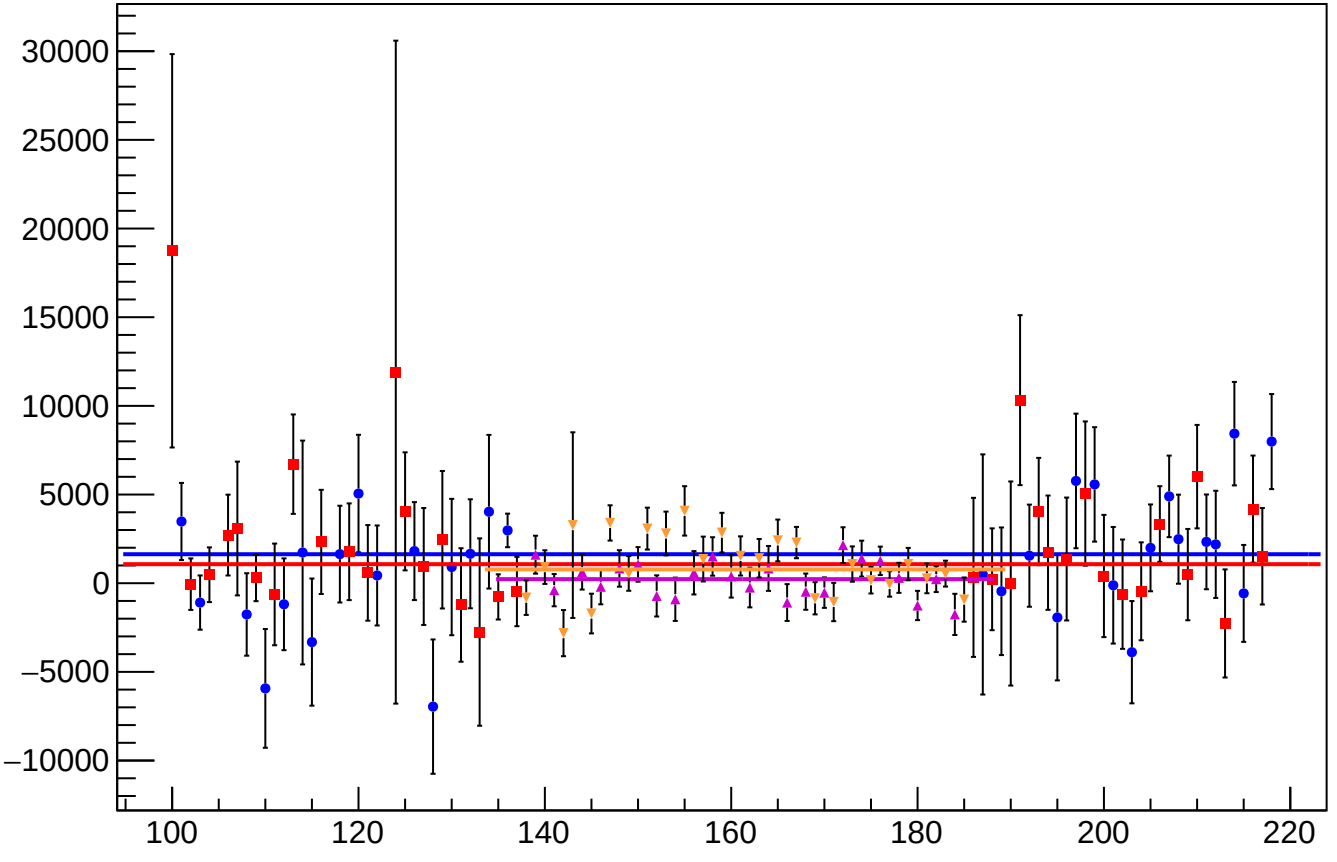
Left In: 1727.912+/-0.286 χ^2/NDF:100226.8/22

+ sign 1709.908+/-0.193 χ^2/NDF: 639579.8/56

All: 1713.292+/-0.138 χ^2/NDF: 1334168.4/11

- sign 1716.788+/-0.196 χ^2/NDF: 693963.8/58

asym_at2_dd_eigen_dit_correction_mean vs Slug



Right In: 1634.440+/-452.108 χ^2/NDF: 44.9/31

Left Out: 778.977+/-201.641 χ^2/NDF:54.5/24

Right Out: 1072.769+/-430.148 χ^2/NDF: 27.0/35

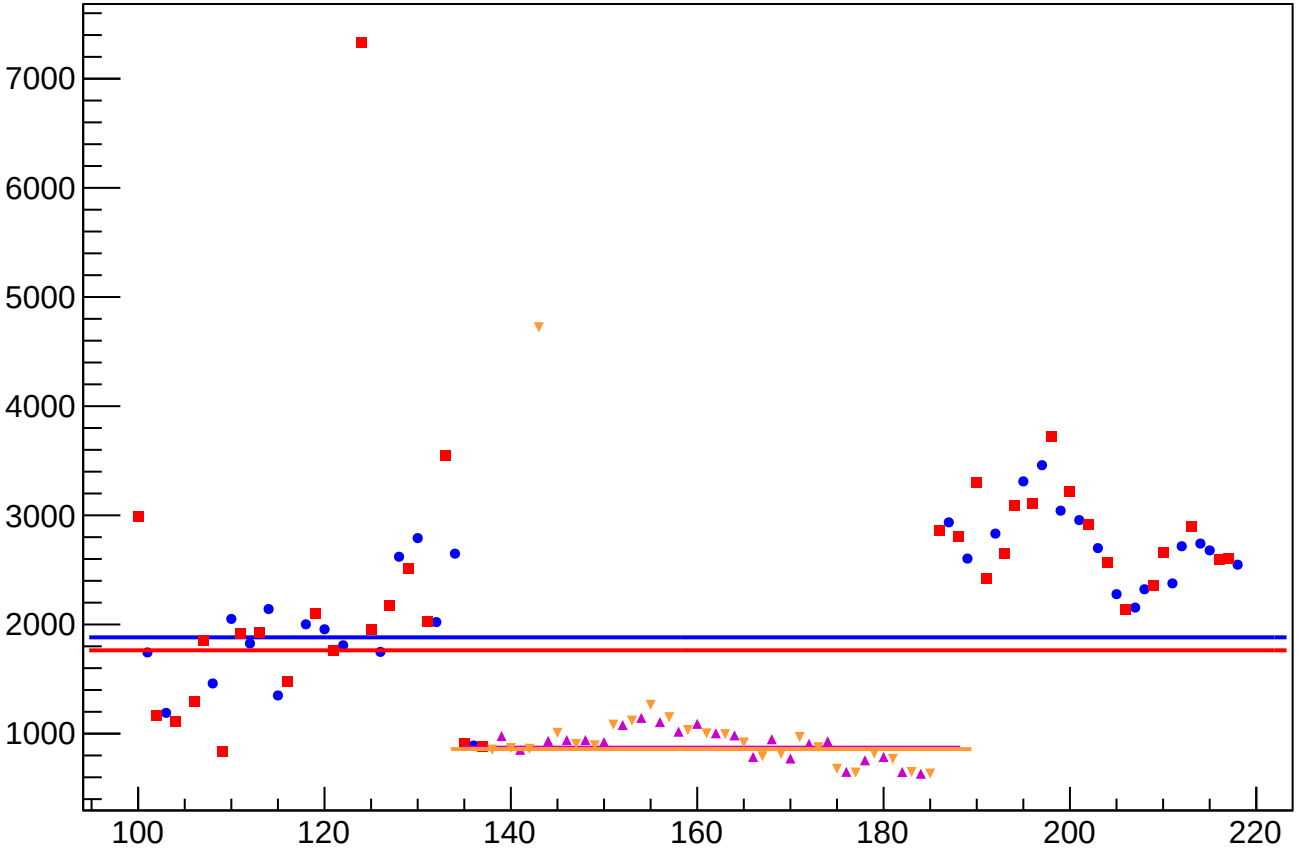
Left In: 228.876+/-206.703 χ^2/NDF:22.6/22

+ sign 920.910+/-184.155 χ^2/NDF: 102.5/56

All: 657.151+/-130.972 χ^2/NDF: 159.3/115

- sign 387.189+/-186.308 χ^2/NDF: 52.7/58

asym_at2_dd_eigen_dit_correction_rms vs Slug



Right In: 1882.236+/-0.320 χ^2/NDF: 5473957.7/31

Left Out: 858.593+/-0.143 χ^2/NDF:2279765.6/24

Right Out: 1763.255+/-0.304 χ^2/NDF: 7328467.0/35

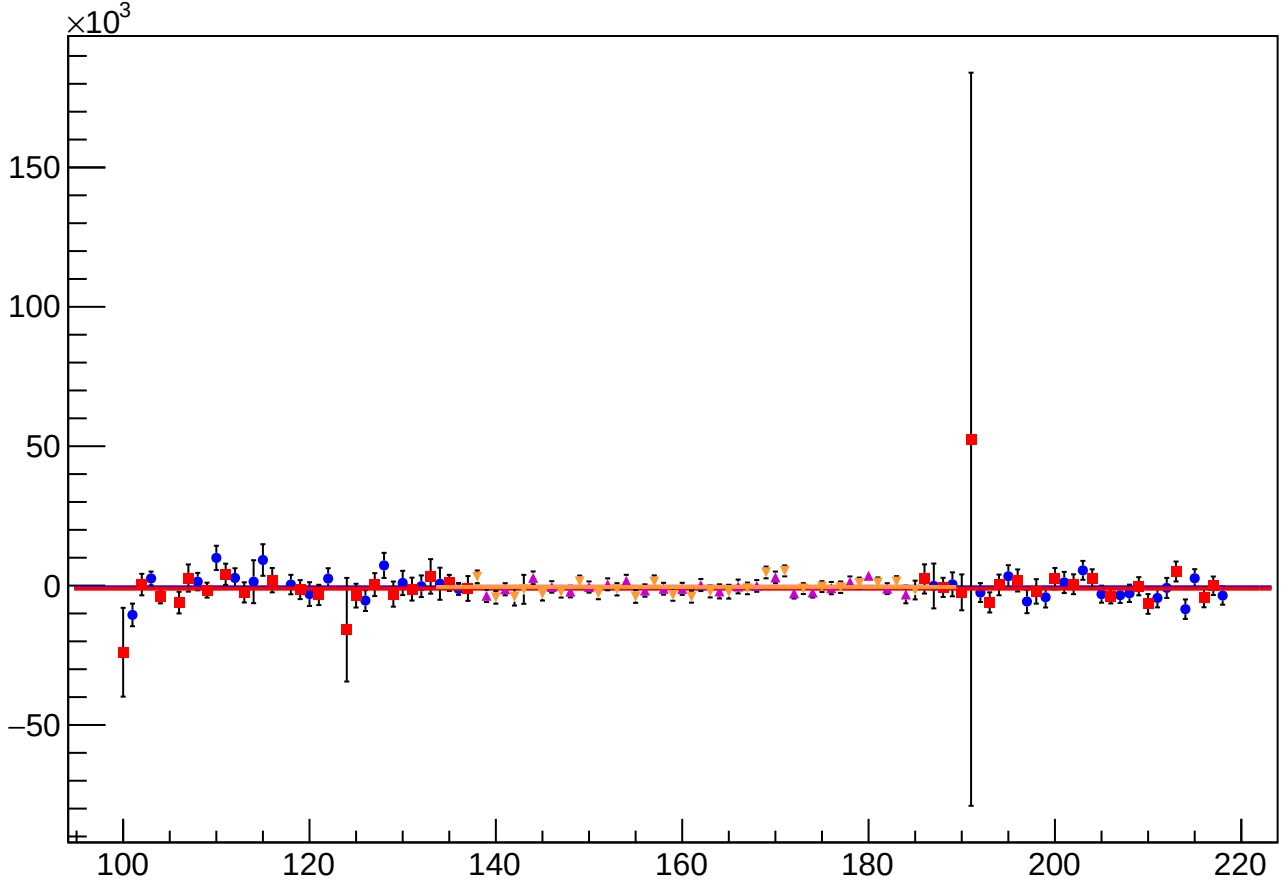
Left In: 871.525+/-0.146 χ^2/NDF:979360.3/22

+ sign 1028.430+/-0.130 χ^2/NDF: 16305428.9/56

All: 1033.561+/-0.093 χ^2/NDF: 31599217.5/1

- sign 1038.812+/-0.132 χ^2/NDF: 15290646.9/58

asym_at2_dd_mean vs Slug



Right In: -626.675+/-633.786 χ^2/NDF: 41.5/31

Left Out: -501.517+/-439.916 χ^2/NDF:35.9/24

Right Out: -1106.906+/-636.001 χ^2/NDF: 23.7/35

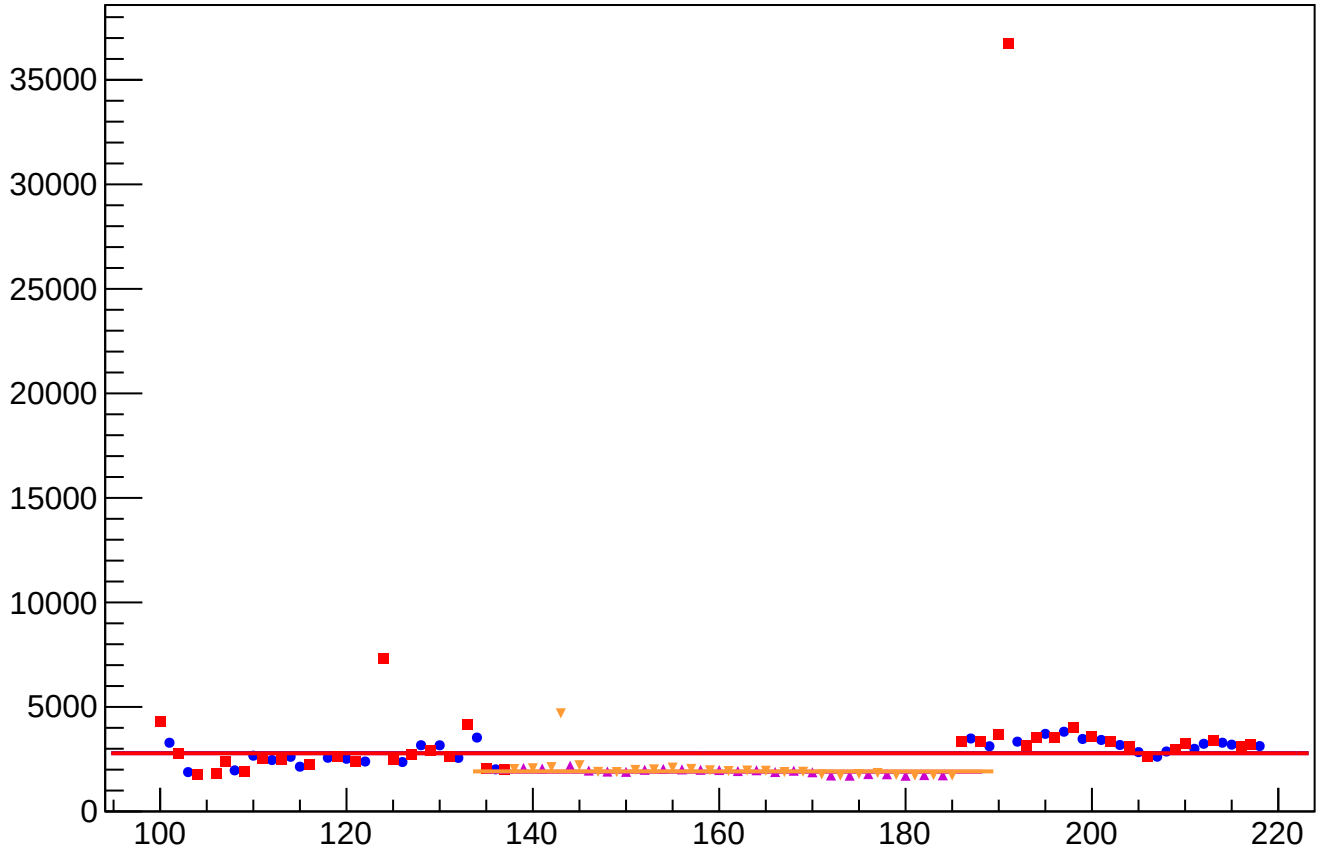
Left In: -411.323+/-444.573 χ^2/NDF:18.9/22

+ sign -542.211+/-361.391 χ^2/NDF: 77.4/56

All: -590.524+/-256.591 χ^2/NDF: 120.8/115

- sign -639.639+/-364.377 χ^2/NDF: 43.3/58

asym_at2_dd_rms vs Slug



Right In: 2790.147+/-0.448 χ^2/NDF: 1480134.2/31

Left Out: 1917.157+/-0.311 χ^2/NDF:756385.6/24

Right Out: 2783.412+/-0.450 χ^2/NDF: 2116958.2/35

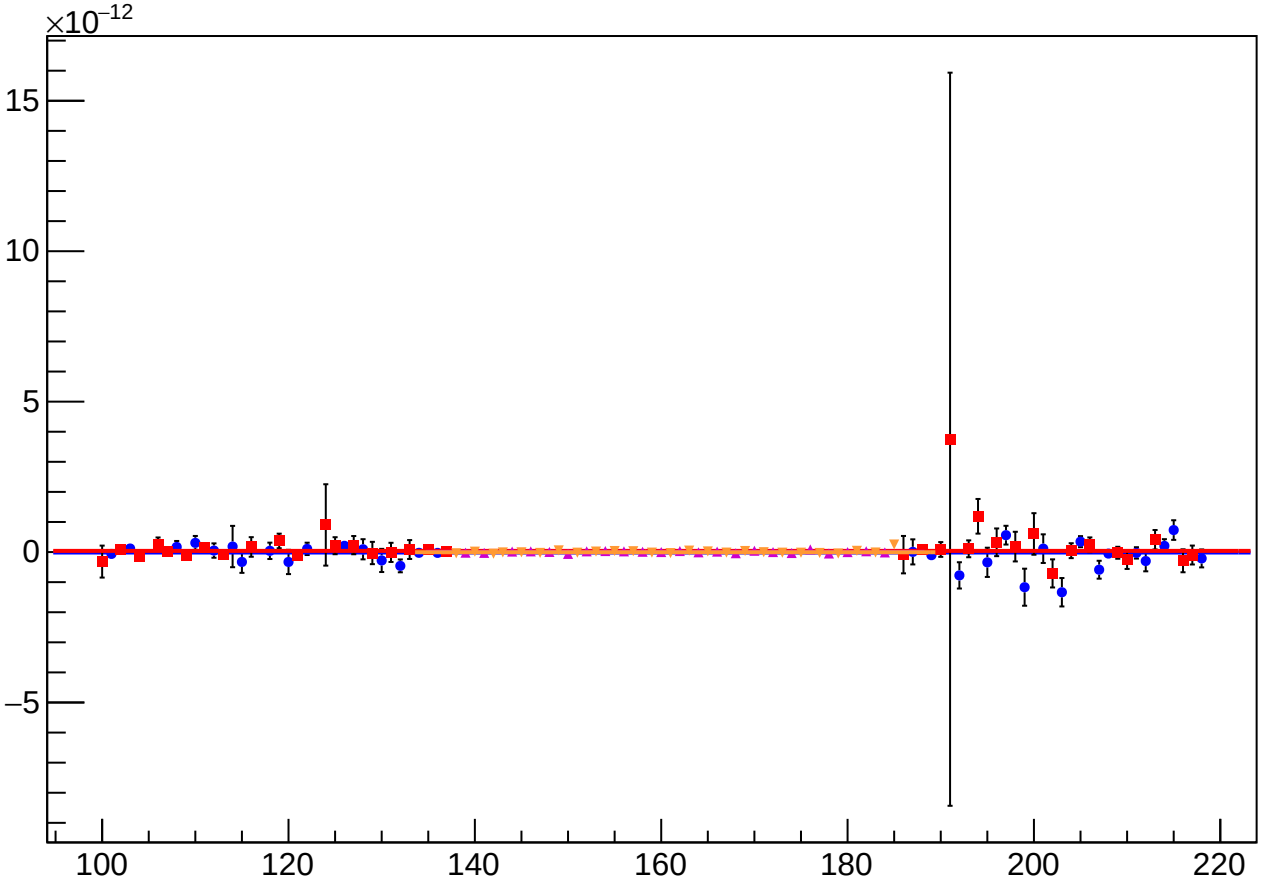
Left In: 1899.245+/-0.314 χ^2/NDF:173376.4/22

+ sign 2201.001+/-0.256 χ^2/NDF: 4797332.2/56

All: 2195.280+/-0.181 χ^2/NDF: 9685261.4/11

- sign 2189.463+/-0.258 χ^2/NDF: 4886918.3/58

asym_at2_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 48.6/31

Left Out: -0.000+/-0.000 χ^2/NDF:28.5/24

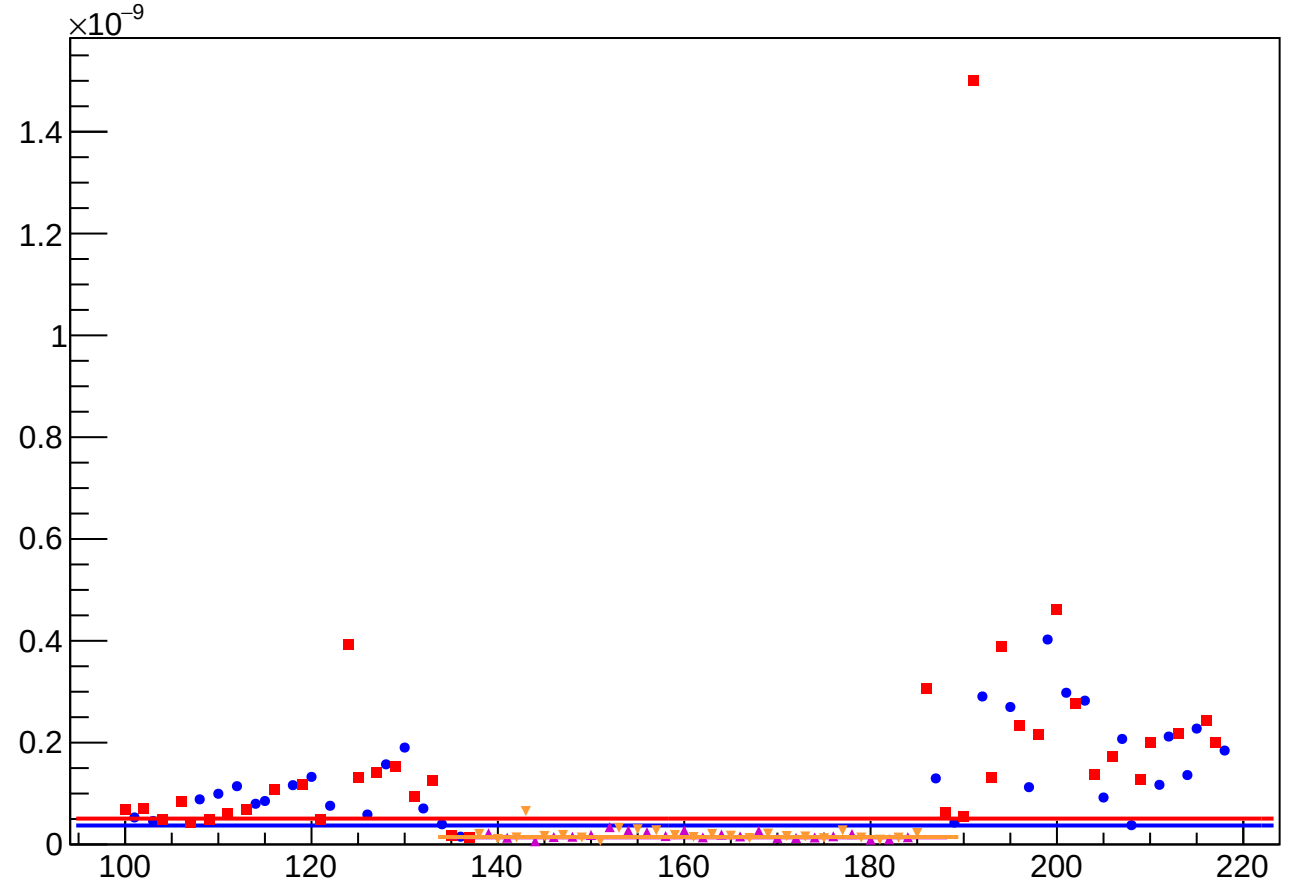
Right Out: 0.000+/-0.000 χ^2/NDF: 27.3/35

Left In: 0.000+/-0.000 χ^2/NDF:25.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 77.3/56

All: 0.000+/-0.000 χ^2/NDF: 134.7/115

- sign 0.000+/-0.000 χ^2/NDF: 53.8/58



Right In: 0.000+/-0.000 χ^2/NDF: 9592366.1/31

Left Out: 0.000+/-0.000 χ^2/NDF:1874636.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8910254.6/35

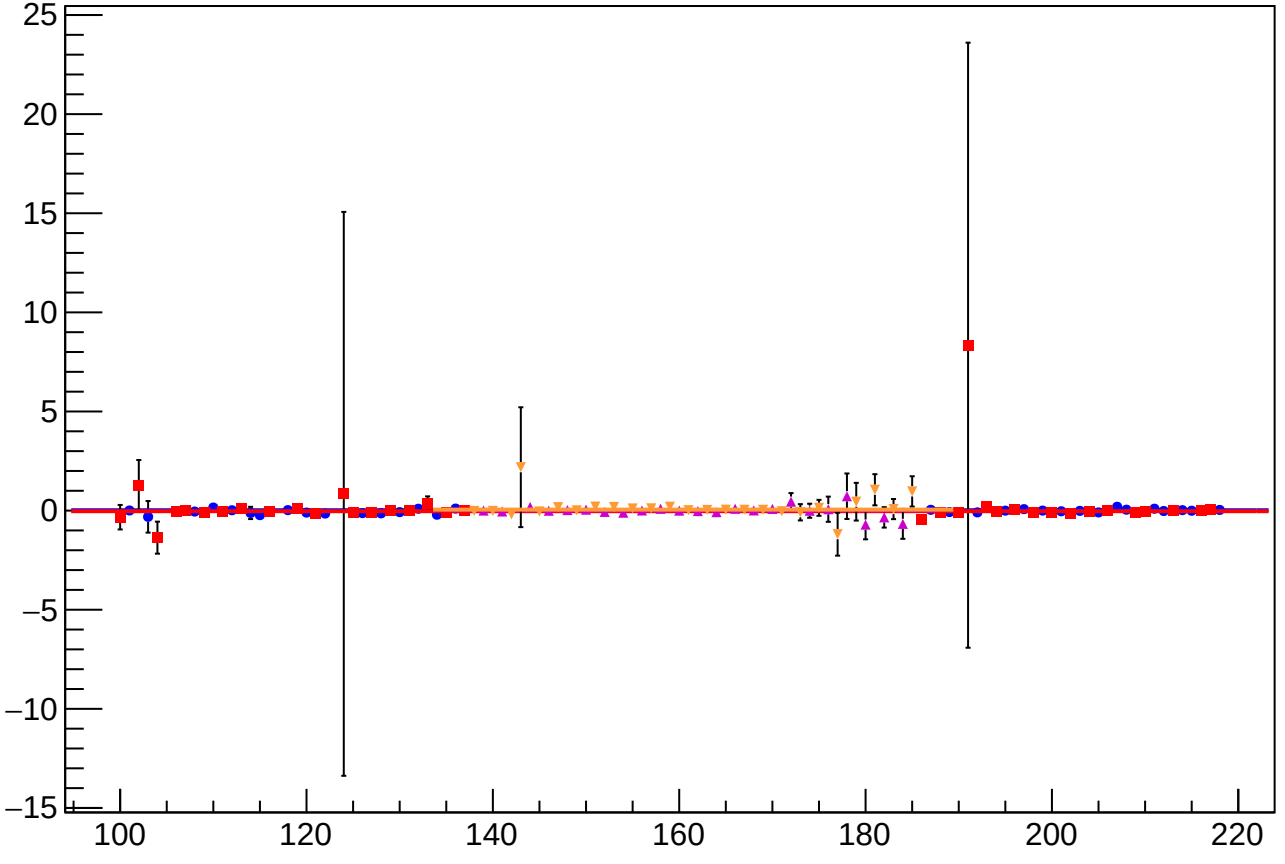
Left In: 0.000+/-0.000 χ^2/NDF:1944578.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 13675667.0/56

All: 0.000+/-0.000 χ^2/NDF: 28380655.0/115

- sign 0.000+/-0.000 χ^2/NDF: 14696475.1/58

asym_at2_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.018+/-0.016 χ^2/NDF: 30.7/31

Left Out: 0.050+/-0.017 χ^2/NDF:24.5/24

Right Out: -0.030+/-0.016 χ^2/NDF: 27.2/35

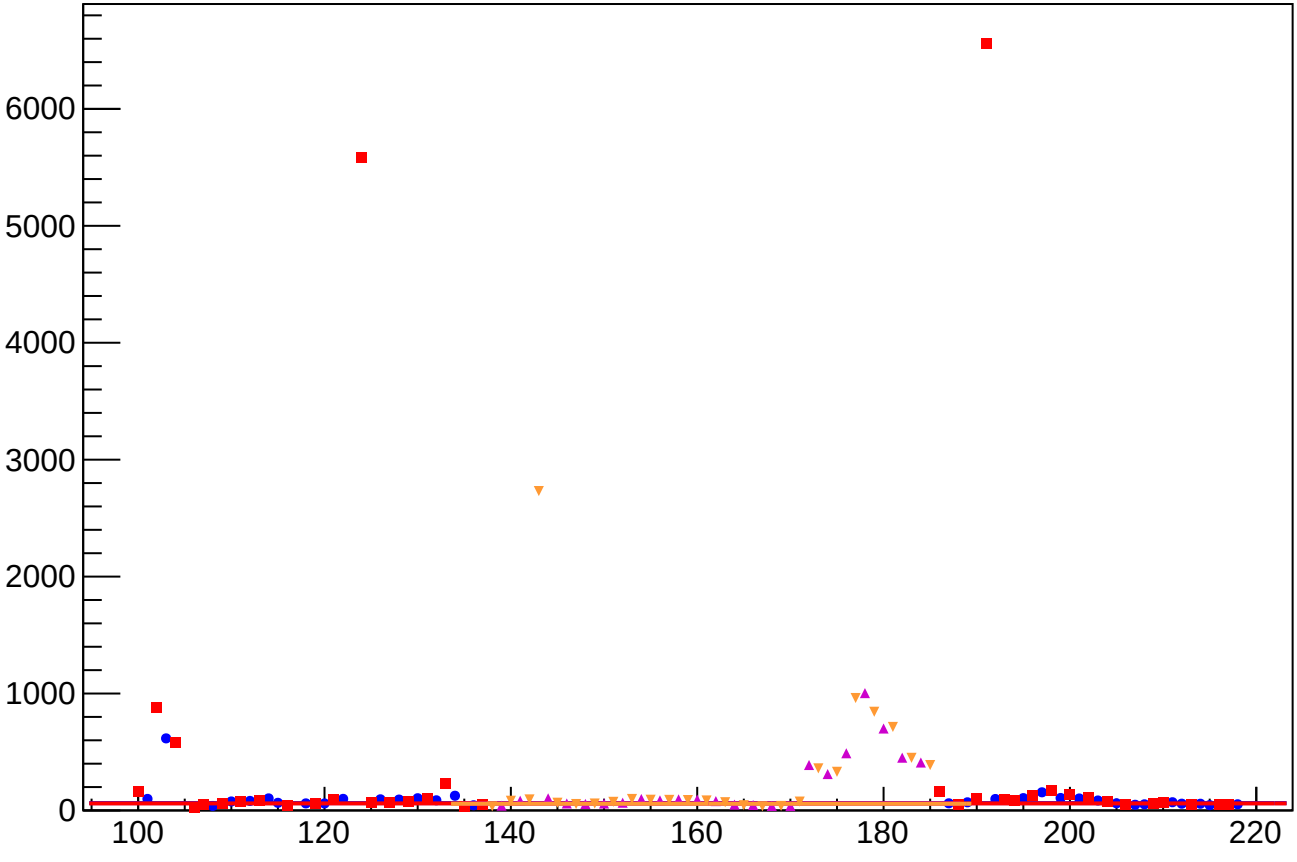
Left In: 0.019+/-0.017 χ^2/NDF:15.4/22

+ sign 0.032+/-0.012 χ^2/NDF: 57.1/56

All: 0.012+/-0.008 χ^2/NDF: 110.2/115

- sign -0.008+/-0.012 χ^2/NDF: 47.1/58

asym_at2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 62.904+/-0.011 χ^2/NDF: 4616389.9/31

Left Out: 57.259+/-0.012 χ^2/NDF:12322019.7/24

Right Out: 60.222+/-0.011 χ^2/NDF: 7405258.9/35

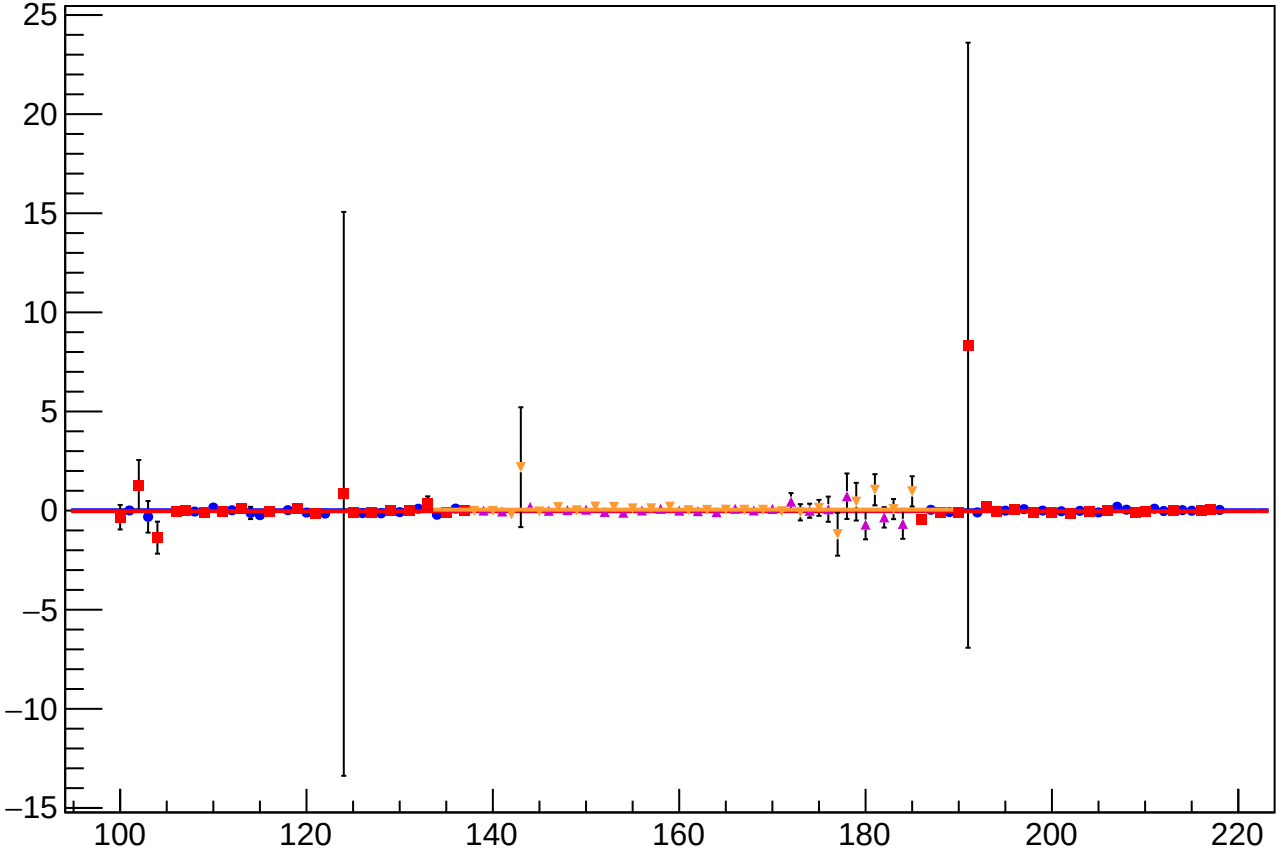
Left In: 58.580+/-0.012 χ^2/NDF:10247660.0/22

\+ sign 60.311+/-0.008 χ^2/NDF: 17057225.1/56

All: 59.893+/-0.006 χ^2/NDF: 34725394.9/115

\- sign 59.475+/-0.008 χ^2/NDF: 17662928.1/58

asym_at2_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.018+/-0.016 χ^2/NDF: 30.7/31

Left Out: 0.050+/-0.017 χ^2/NDF:24.5/24

Right Out: -0.030+/-0.016 χ^2/NDF: 27.2/35

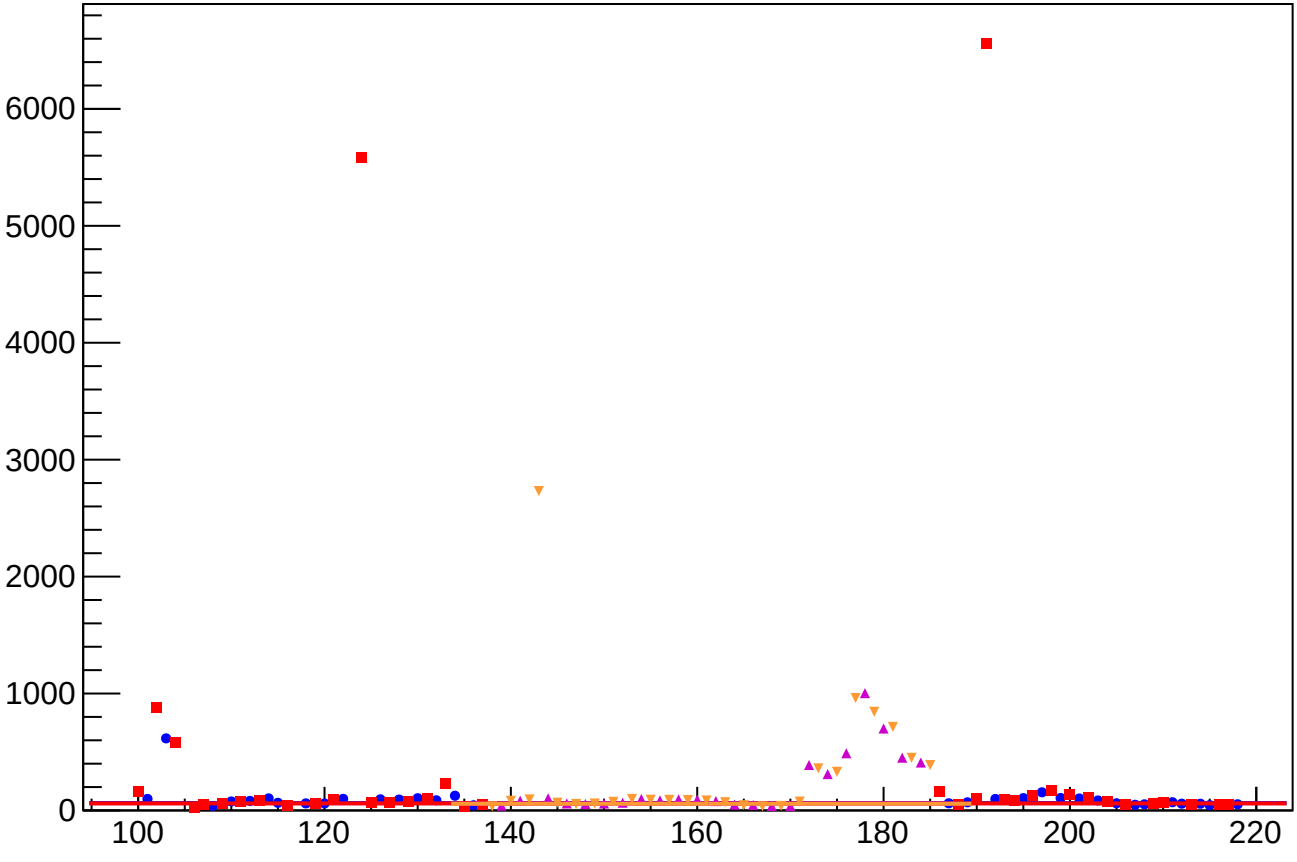
Left In: 0.019+/-0.017 χ^2/NDF:15.4/22

+ sign 0.032+/-0.012 χ^2/NDF: 57.1/56

All: 0.012+/-0.008 χ^2/NDF: 110.2/115

- sign -0.008+/-0.012 χ^2/NDF: 47.1/58

asym_at2_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 62.904+/-0.011 χ^2/NDF: 4616389.9/31

Left Out: 57.259+/-0.012 χ^2/NDF:12322019.7/24

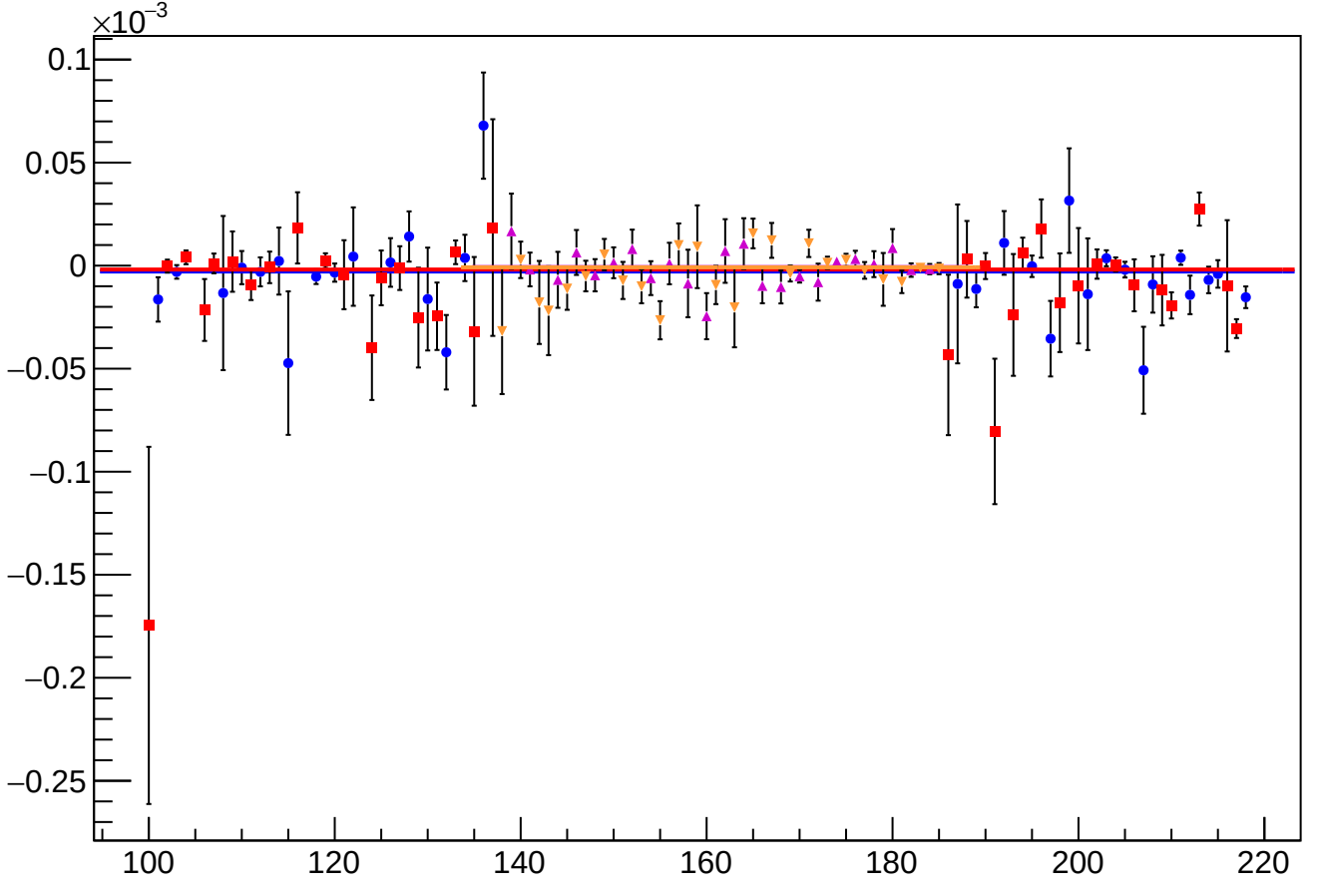
Right Out: 60.222+/-0.011 χ^2/NDF: 7405258.9/35

Left In: 58.580+/-0.012 χ^2/NDF:10247660.0/22

+ sign 60.311+/-0.008 χ^2/NDF: 17057225.1/56

All: 59.893+/-0.006 χ^2/NDF: 34725394.9/115

- sign 59.475+/-0.008 χ^2/NDF: 17662928.1/58



Right In: -0.000+/-0.000 χ^2/NDF: 45.6/31

Left Out: -0.000+/-0.000 χ^2/NDF:32.8/24

Right Out: -0.000+/-0.000 χ^2/NDF: 93.7/35

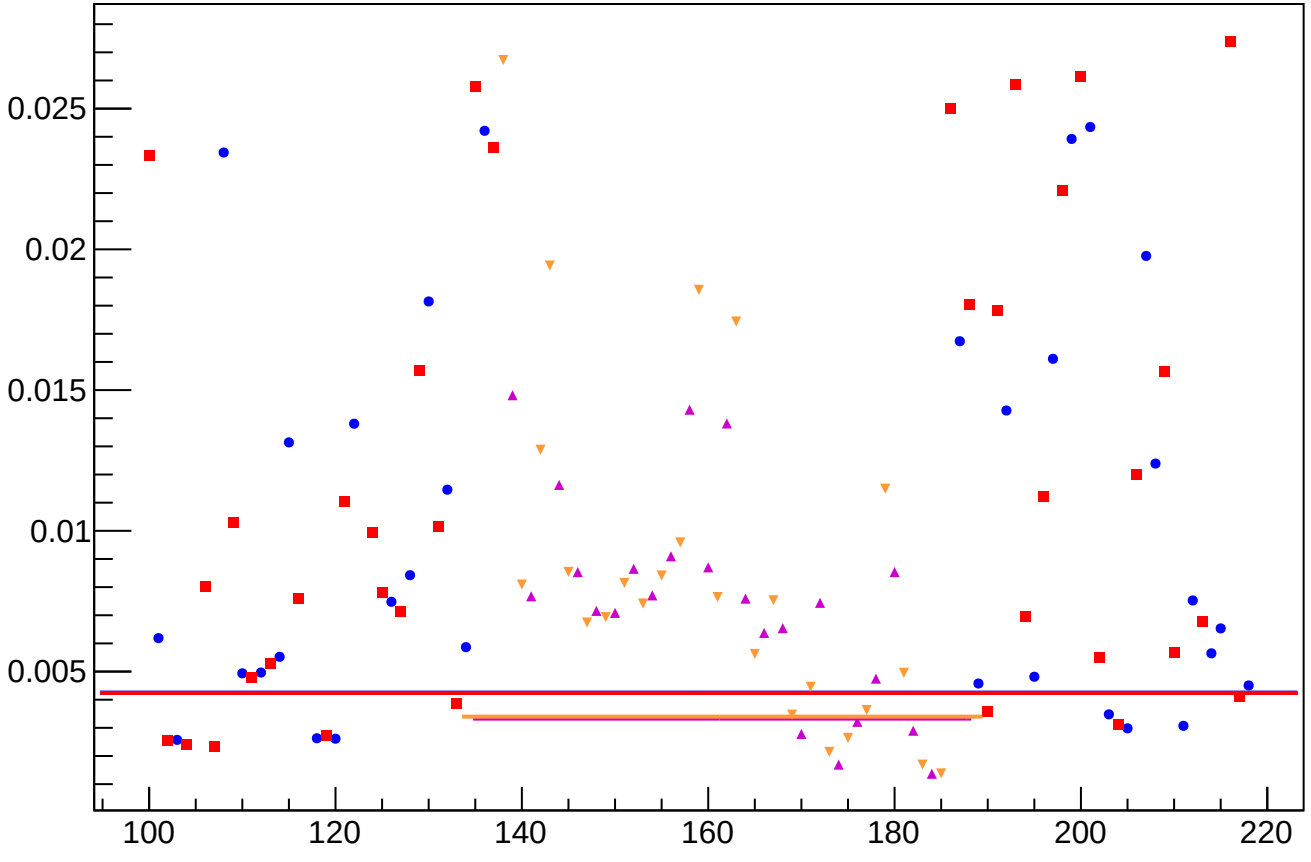
Left In: -0.000+/-0.000 χ^2/NDF:18.8/22

+ sign -0.000+/-0.000 χ^2/NDF: 80.0/56

All: -0.000+/-0.000 χ^2/NDF: 193.2/115

- sign -0.000+/-0.000 χ^2/NDF: 113.0/58

asym_at2_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF: 11970862.8/31

Left Out: 0.003+/-0.000 χ^2/NDF:14248948.0/24

Right Out: 0.004+/-0.000 χ^2/NDF: 14410135.4/35

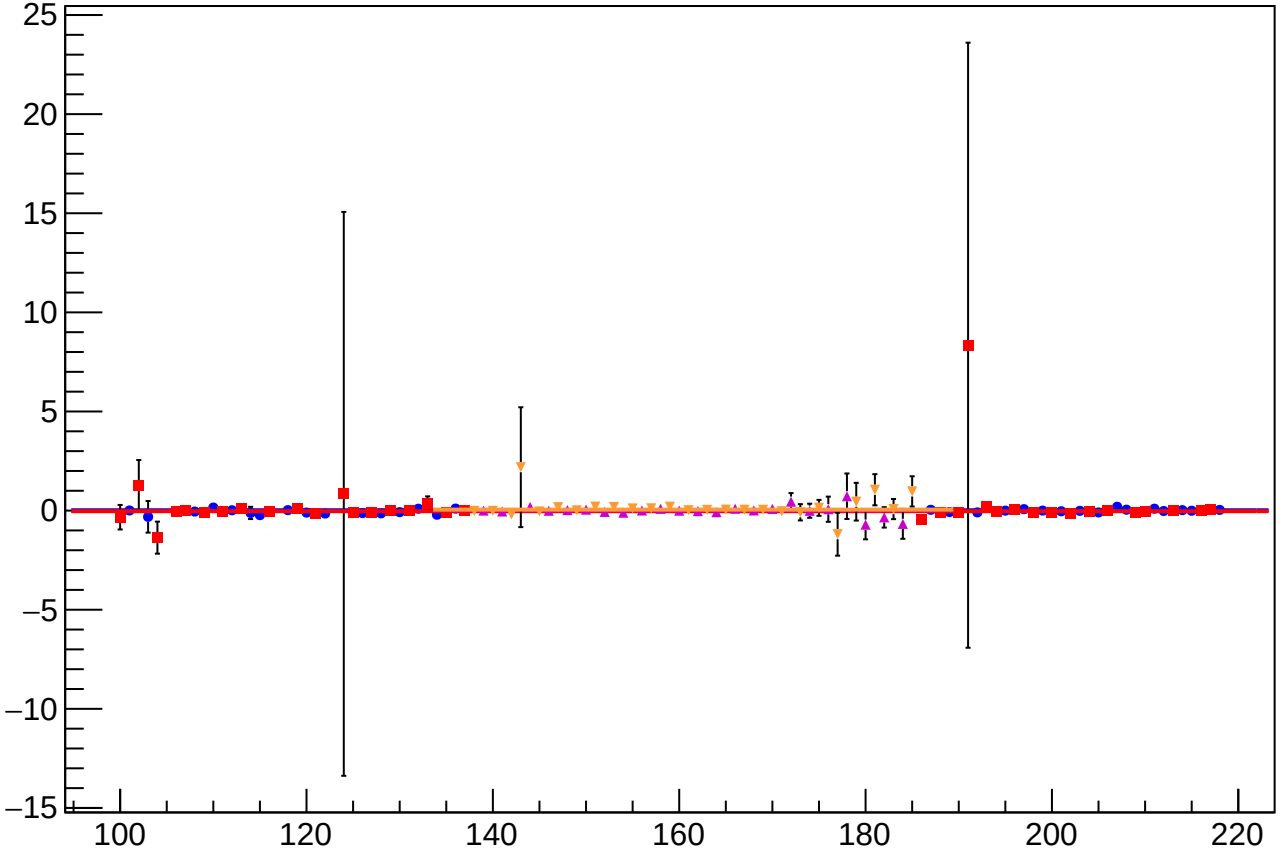
Left In: 0.003+/-0.000 χ^2/NDF:12566501.1/22

+ sign 0.004+/-0.000 χ^2/NDF: 26798977.1/56

All: 0.004+/-0.000 χ^2/NDF: 54427318.5/115

- sign 0.004+/-0.000 χ^2/NDF: 27626110.6/58

asym_at2_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.018+/-0.016 χ^2/NDF: 30.7/31

Left Out: 0.050+/-0.017 χ^2/NDF:24.5/24

Right Out: -0.030+/-0.016 χ^2/NDF: 27.2/35

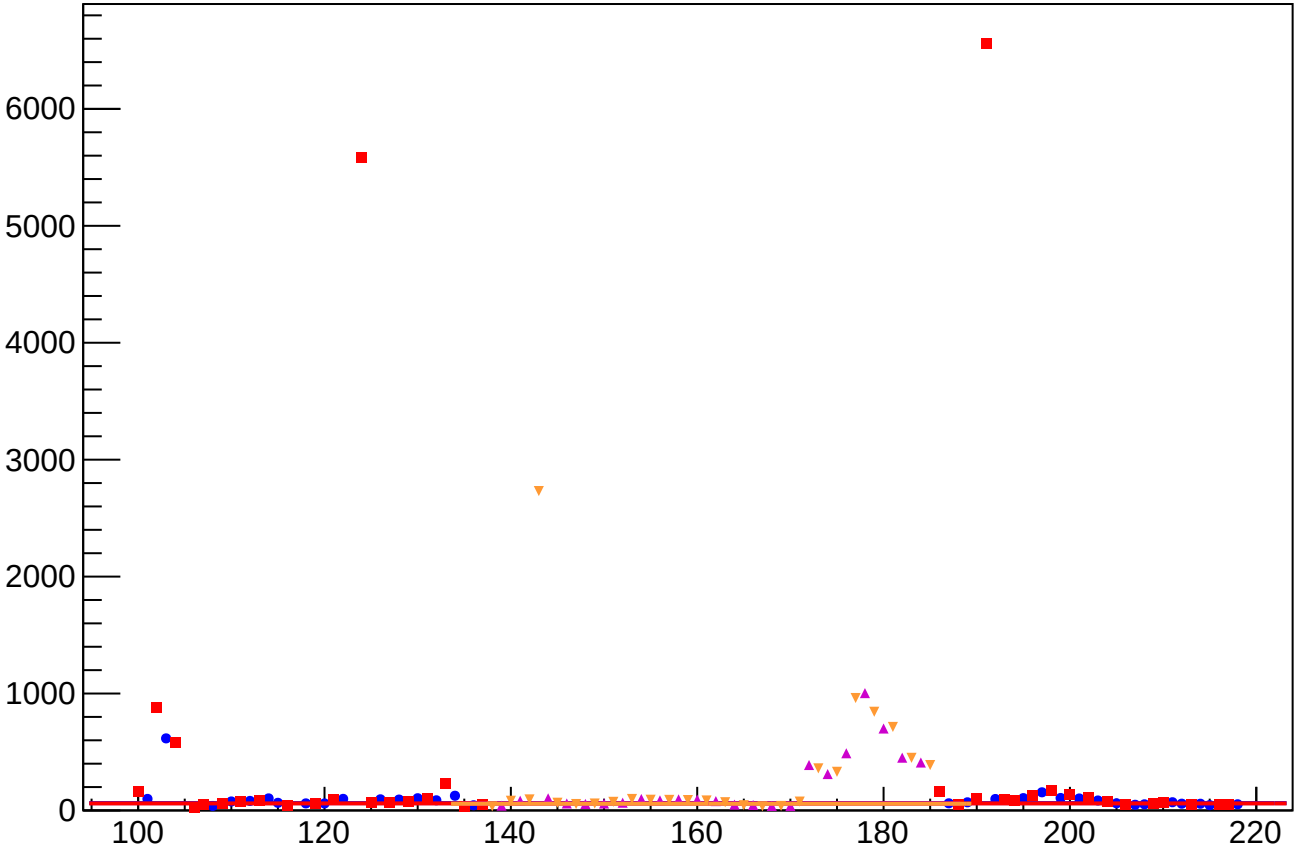
Left In: 0.019+/-0.017 χ^2/NDF:15.4/22

+ sign 0.032+/-0.012 χ^2/NDF: 57.1/56

All: 0.012+/-0.008 χ^2/NDF: 110.2/115

- sign -0.008+/-0.012 χ^2/NDF: 47.1/58

asym_at2_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 62.906+/-0.011 χ^2/NDF: 4615599.9/31

Left Out: 57.258+/-0.012 χ^2/NDF:12321763.3/24

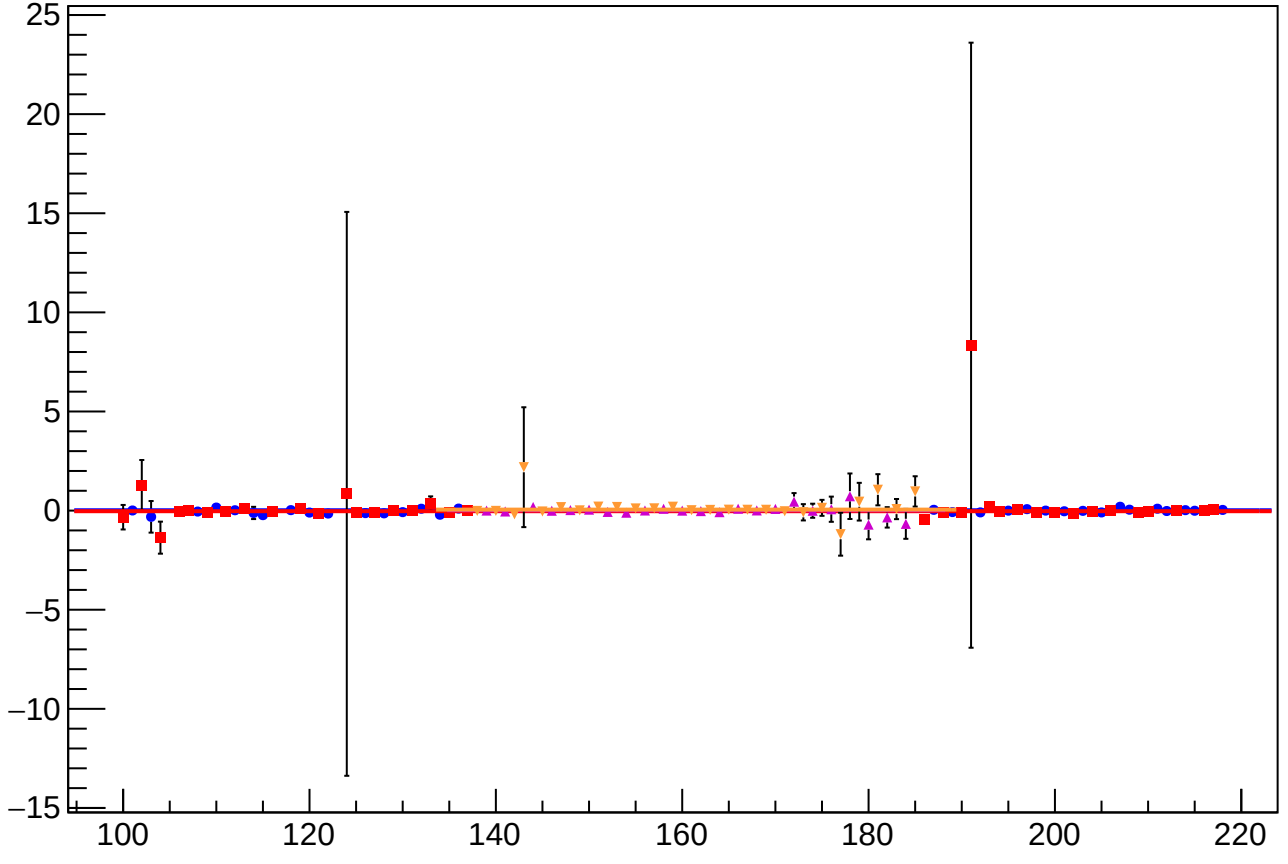
Right Out: 60.220+/-0.011 χ^2/NDF: 7406074.8/35

Left In: 58.582+/-0.012 χ^2/NDF:10247153.8/22

+ sign 60.311+/-0.008 χ^2/NDF: 17056314.7/56

All: 59.893+/-0.006 χ^2/NDF: 34724747.2/115

- sign 59.475+/-0.008 χ^2/NDF: 17663185.0/58



Right In: 0.018+/-0.016 χ^2/NDF: 30.7/31

Left Out: 0.050+/-0.017 χ^2/NDF:24.5/24

Right Out: -0.030+/-0.016 χ^2/NDF: 27.2/35

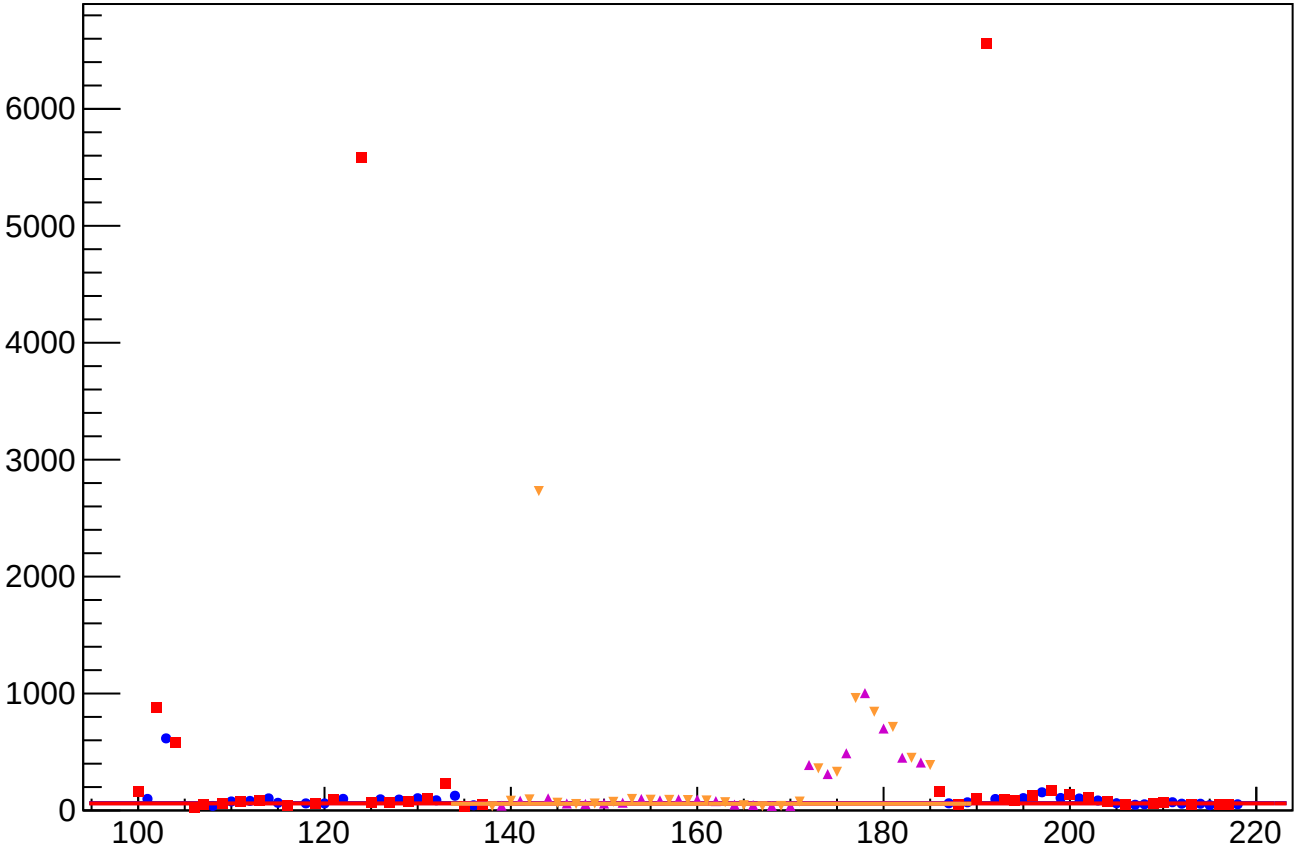
Left In: 0.019+/-0.017 χ^2/NDF:15.4/22

+ sign 0.032+/-0.012 χ^2/NDF: 57.1/56

All: 0.012+/-0.008 χ^2/NDF: 110.2/115

- sign -0.008+/-0.012 χ^2/NDF: 47.1/58

asym_at2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 62.906+/-0.011 χ^2/NDF: 4615599.9/31

Left Out: 57.258+/-0.012 χ^2/NDF:12321763.3/24

Right Out: 60.220+/-0.011 χ^2/NDF: 7406074.8/35

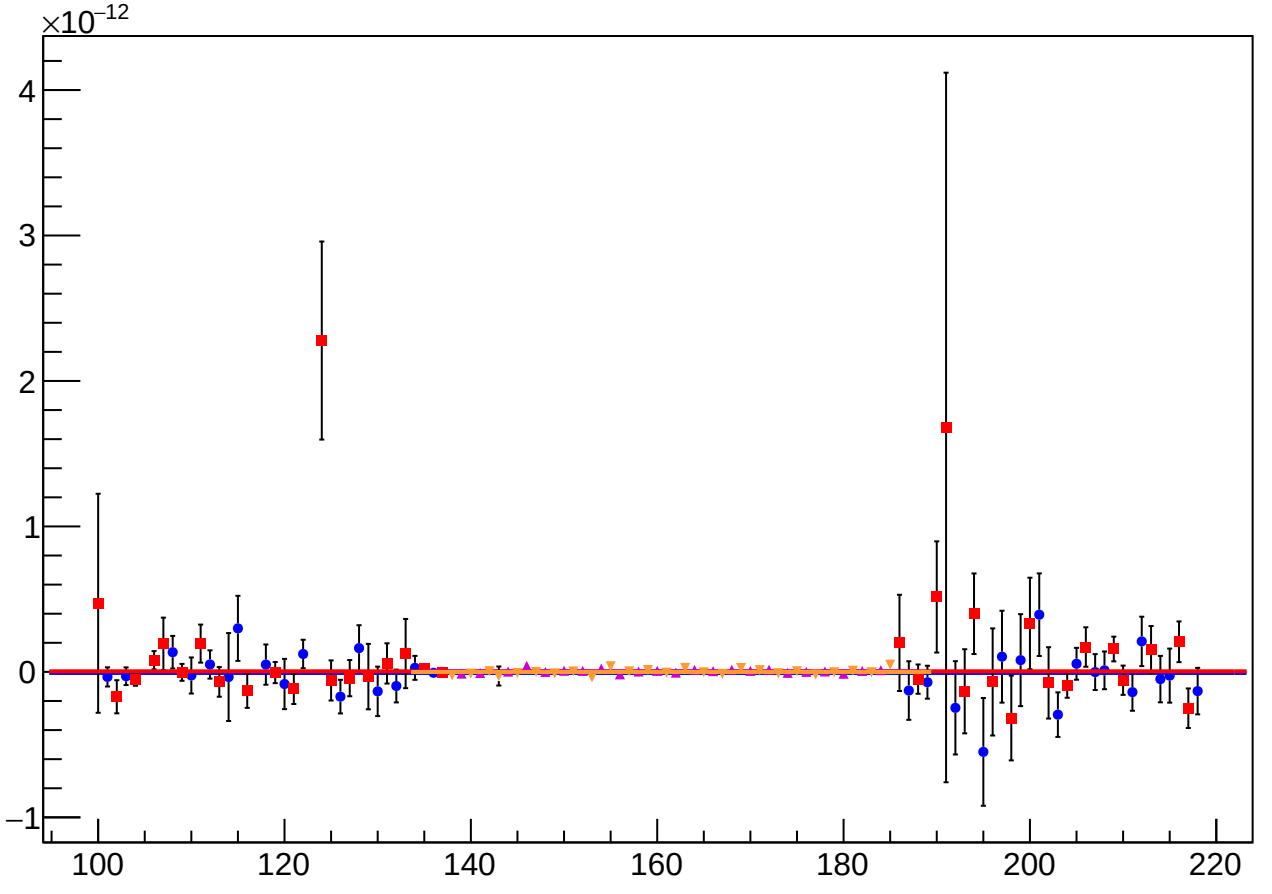
Left In: 58.582+/-0.012 χ^2/NDF:10247153.8/22

+ sign 60.311+/-0.008 χ^2/NDF: 17056314.7/56

All: 59.893+/-0.006 χ^2/NDF: 34724747.2/115

- sign 59.475+/-0.008 χ^2/NDF: 17663185.0/58

asym_at2_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 23.7/31

Left Out: -0.000+/-0.000 χ^2/NDF:18.8/24

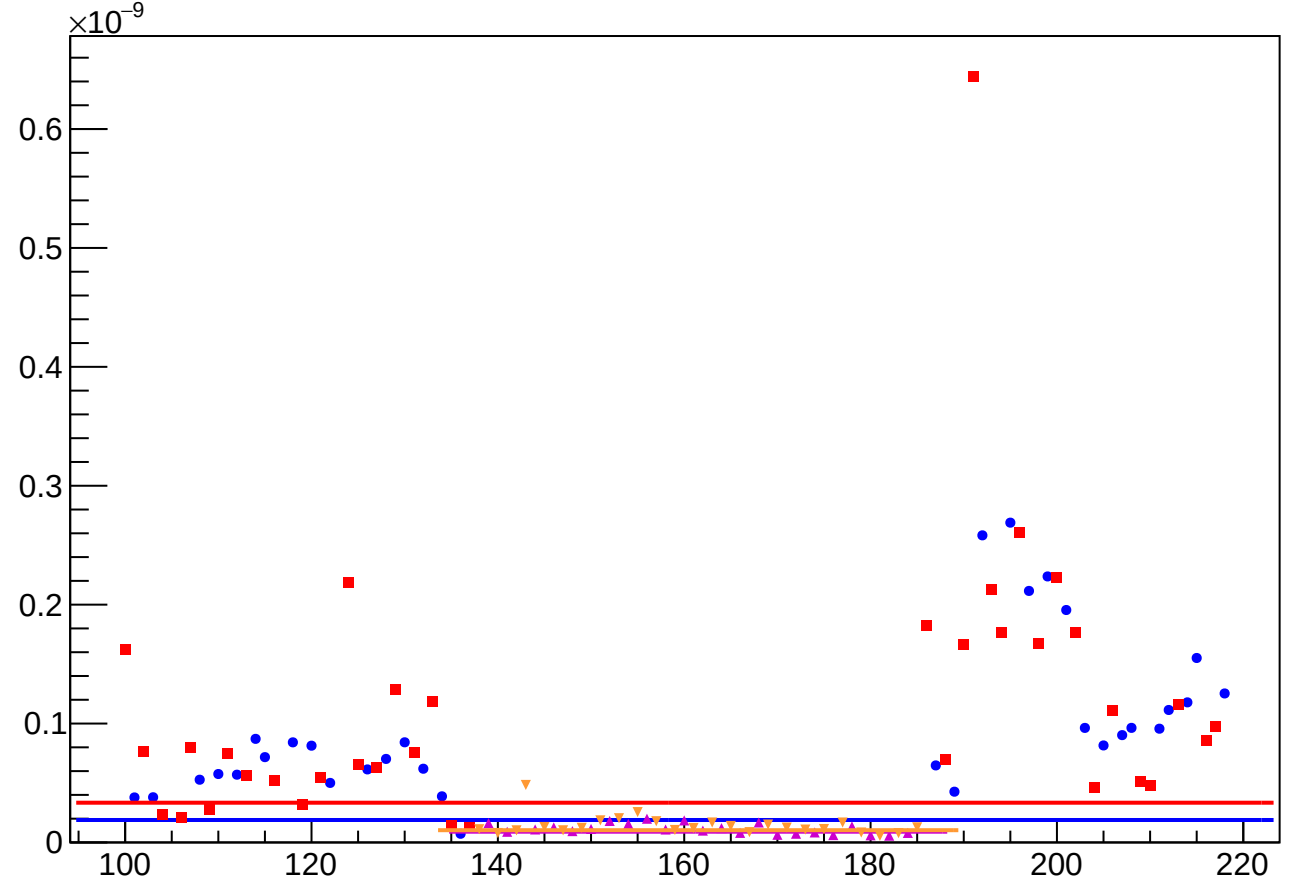
Right Out: 0.000+/-0.000 χ^2/NDF: 45.5/35

Left In: 0.000+/-0.000 χ^2/NDF:15.4/22

+ sign -0.000+/-0.000 χ^2/NDF: 42.9/56

All: 0.000+/-0.000 χ^2/NDF: 104.9/115

- sign 0.000+/-0.000 χ^2/NDF: 61.0/58



Right In: 0.000+/-0.000 χ^2/NDF: 16710701.9/31

Left Out: 0.000+/-0.000 χ^2/NDF:3643428.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 11191002.8/35

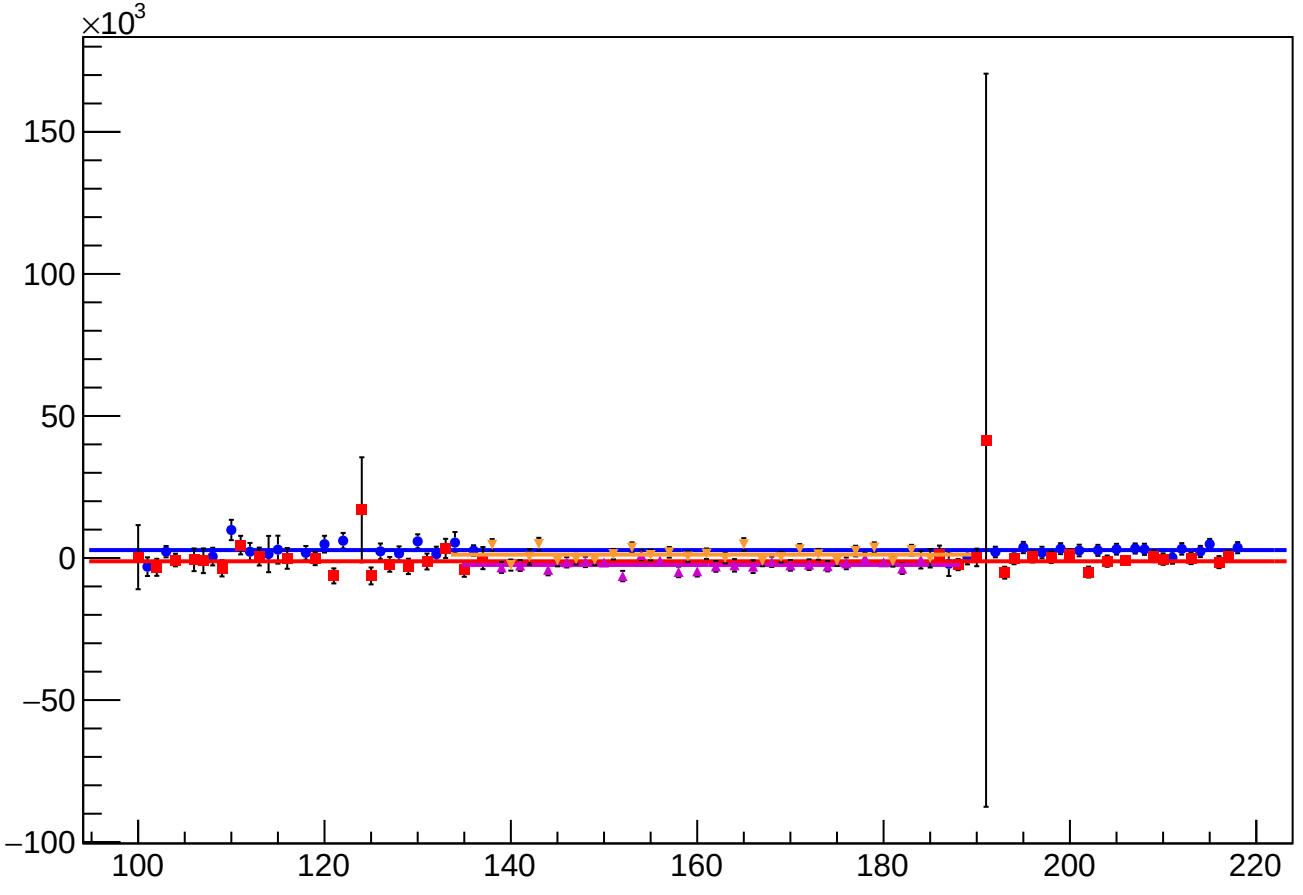
Left In: 0.000+/-0.000 χ^2/NDF:3047861.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 21713224.4/56

All: 0.000+/-0.000 χ^2/NDF: 41988769.8/115

- sign 0.000+/-0.000 χ^2/NDF: 20143580.7/58

reg_asym_atl1r2_avg_mean vs Slug



Right In: 2792.740+/-409.503 χ^2/NDF: 18.7/31

Left Out: 1202.401+/-389.137 χ^2/NDF:26.3/24

Right Out: -1149.123+/-413.980 χ^2/NDF: 30.1/35

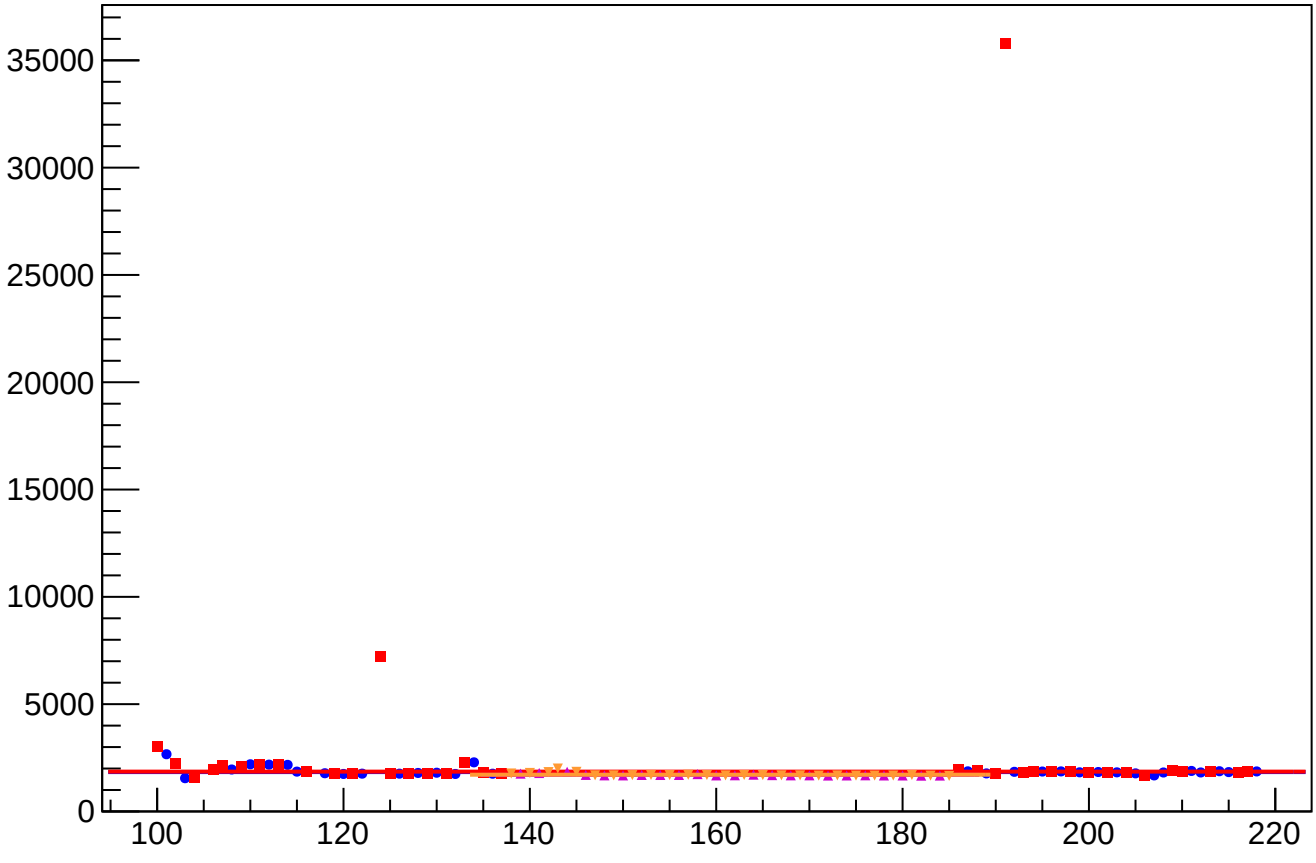
Left In: -2439.008+/-397.969 χ^2/NDF:17.5/22

+ sign 1957.042+/-282.086 χ^2/NDF: 52.9/56

All: 100.722+/-201.145 χ^2/NDF: 193.7/115

- sign -1819.491+/-286.900 χ^2/NDF: 52.7/58

reg_asym_atl1r2_avg_rms vs Slug



Right In: 1834.607+/-0.290 χ^2/NDF: 287423.8/31

Left Out: 1711.777+/-0.275 χ^2/NDF:60068.7/24

Right Out: 1856.052+/-0.292 χ^2/NDF: 543998.3/35

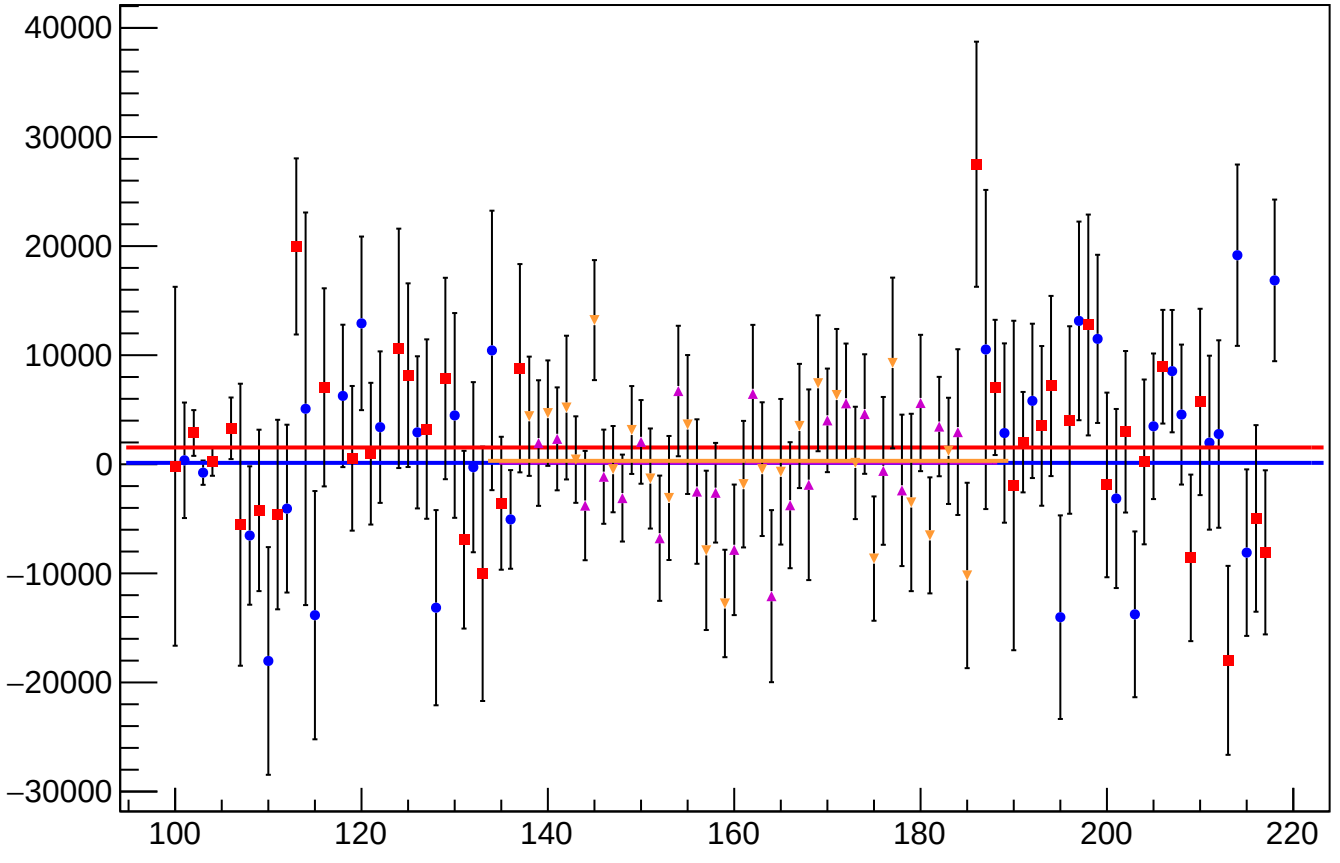
Left In: 1703.969+/-0.281 χ^2/NDF:22568.8/22

+ sign 1770.062+/-0.199 χ^2/NDF: 442048.9/56

All: 1773.510+/-0.142 χ^2/NDF: 1149620.0/11

- sign 1777.073+/-0.203 χ^2/NDF: 706963.5/58

asym_atl1r2_avg_reg_correction_mean vs Slug



Right In: 129.110+/-861.247 χ^2/NDF: 40.8/31

Left Out: 314.051+/-1091.976 χ^2/NDF:27.0/24

Right Out: 1539.660+/-817.515 χ^2/NDF: 33.6/35

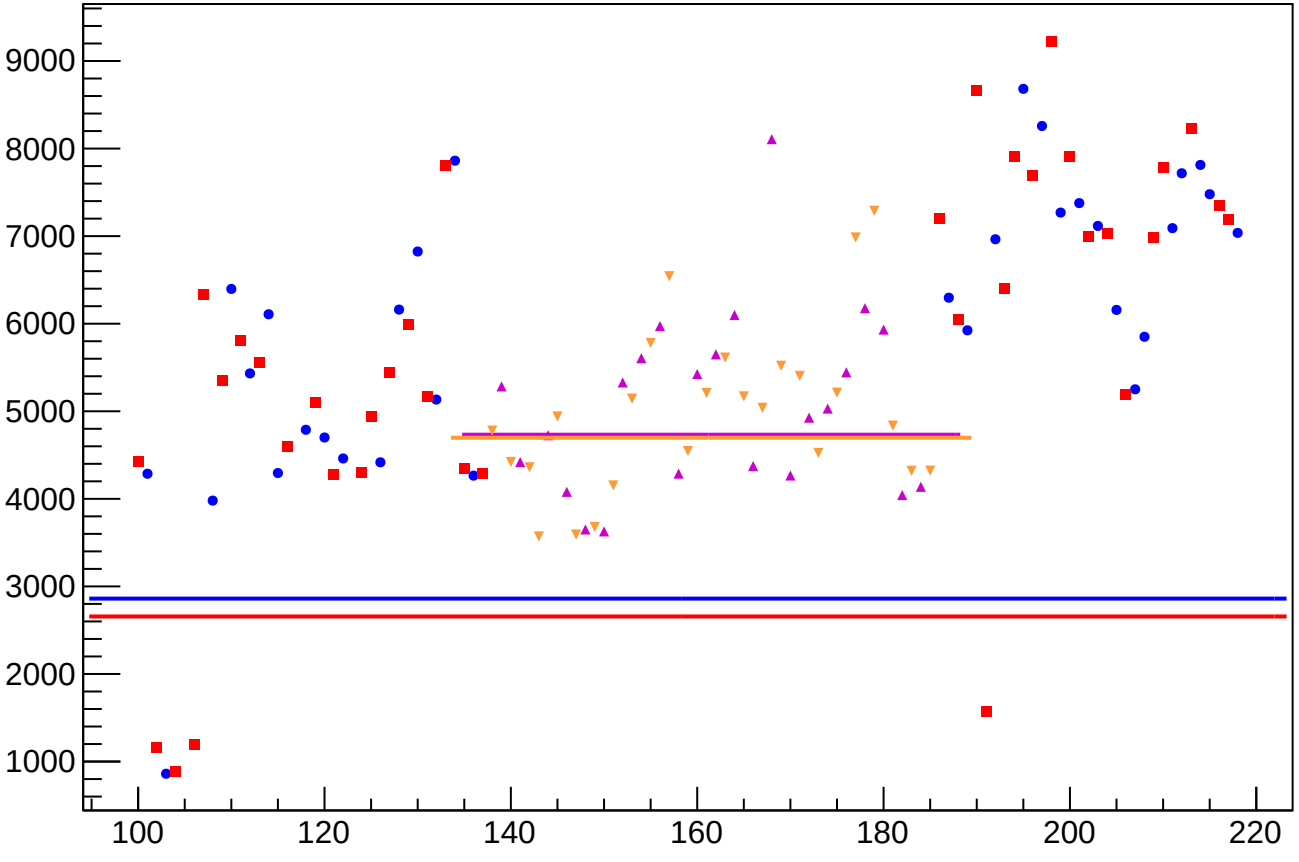
Left In: 157.968+/-1128.443 χ^2/NDF:14.7/22

\+ sign 200.034+/-676.231 χ^2/NDF: 67.8/56

All: 641.223+/-473.070 χ^2/NDF: 118.0/115

\- sign 1064.086+/-662.038 χ^2/NDF: 49.3/58

asym_atl1r2_avg_reg_correction_rms vs Slug



Right In: 2860.697+/-0.609 χ^2/NDF: 17977189.9/31

Left Out: 4697.622+/-0.772 χ^2/NDF:1239373.0/24

Right Out: 2656.751+/-0.578 χ^2/NDF: 18666993.3/35

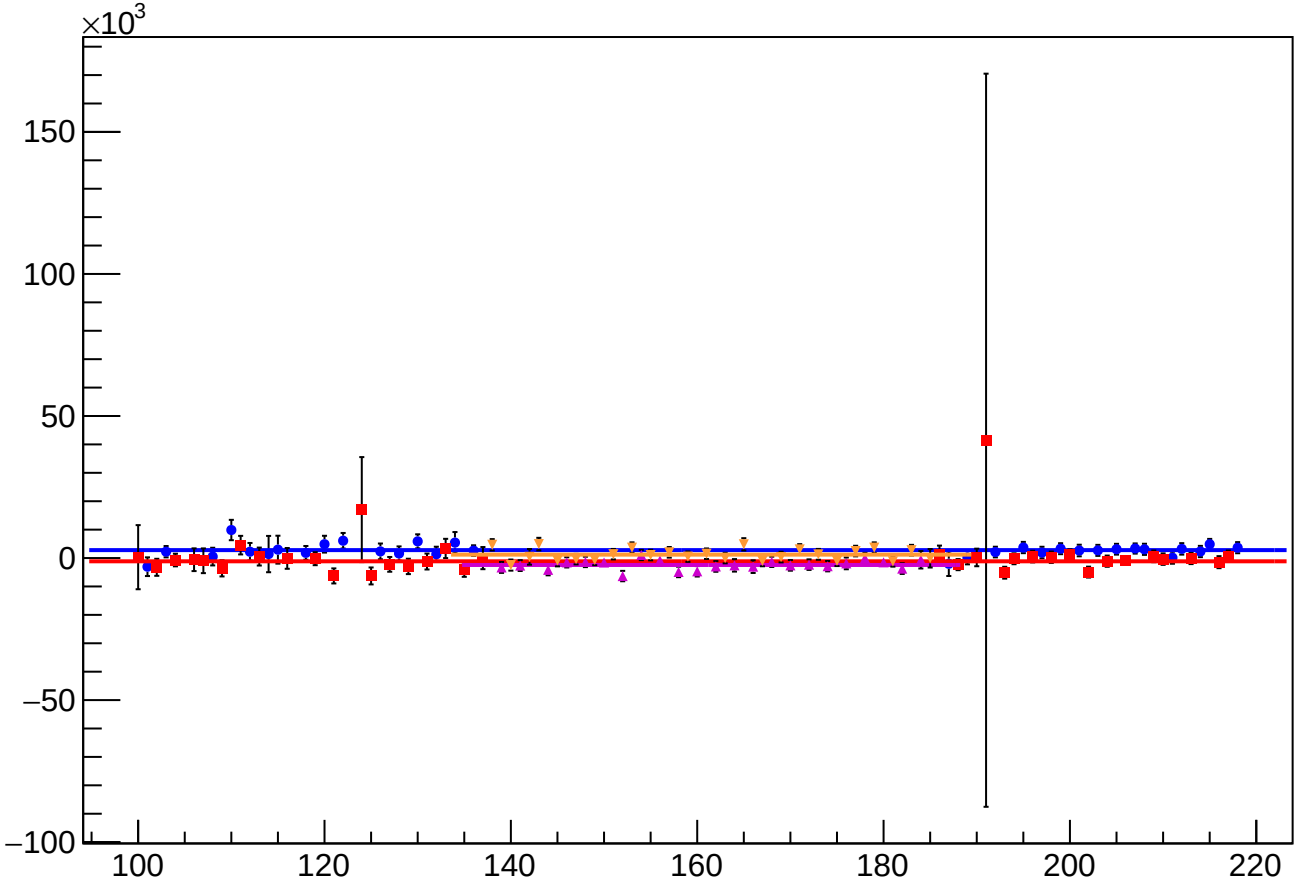
Left In: 4732.424+/-0.798 χ^2/NDF:1242793.9/22

+ sign 3565.155+/-0.478 χ^2/NDF: 22705724.5/56

All: 3466.115+/-0.335 χ^2/NDF: 47137275.1/1

- sign 3371.190+/-0.468 χ^2/NDF: 24347532.7/58

cor_asym_atl1r2_avg_mean vs Slug



Right In: 2792.858+/-409.503 χ^2/NDF: 18.7/31

Left Out: 1202.304+/-389.137 χ^2/NDF:26.3/24

Right Out: -1148.686+/-413.980 χ^2/NDF: 30.1/35

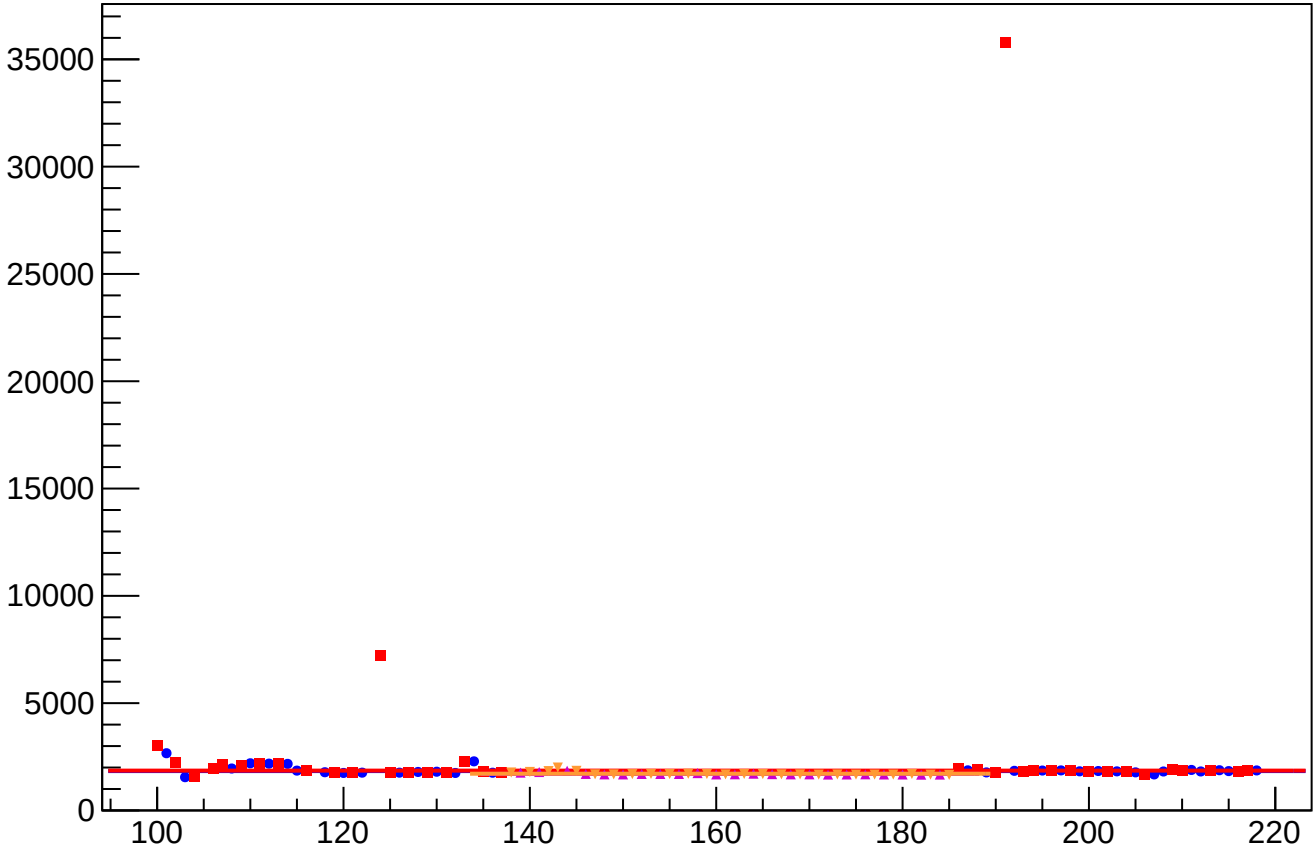
Left In: -2438.940+/-397.969 χ^2/NDF:17.5/22

+ sign 1957.047+/-282.086 χ^2/NDF: 52.9/56

All: 100.845+/-201.145 χ^2/NDF: 193.7/115

- sign -1819.246+/-286.900 χ^2/NDF: 52.7/58

cor_asym_atl1r2_avg_rms vs Slug



Right In: 1834.607+/-0.290 χ^2/NDF: 287423.7/31

Left Out: 1711.777+/-0.275 χ^2/NDF:60068.7/24

Right Out: 1856.204+/-0.293 χ^2/NDF: 544368.7/35

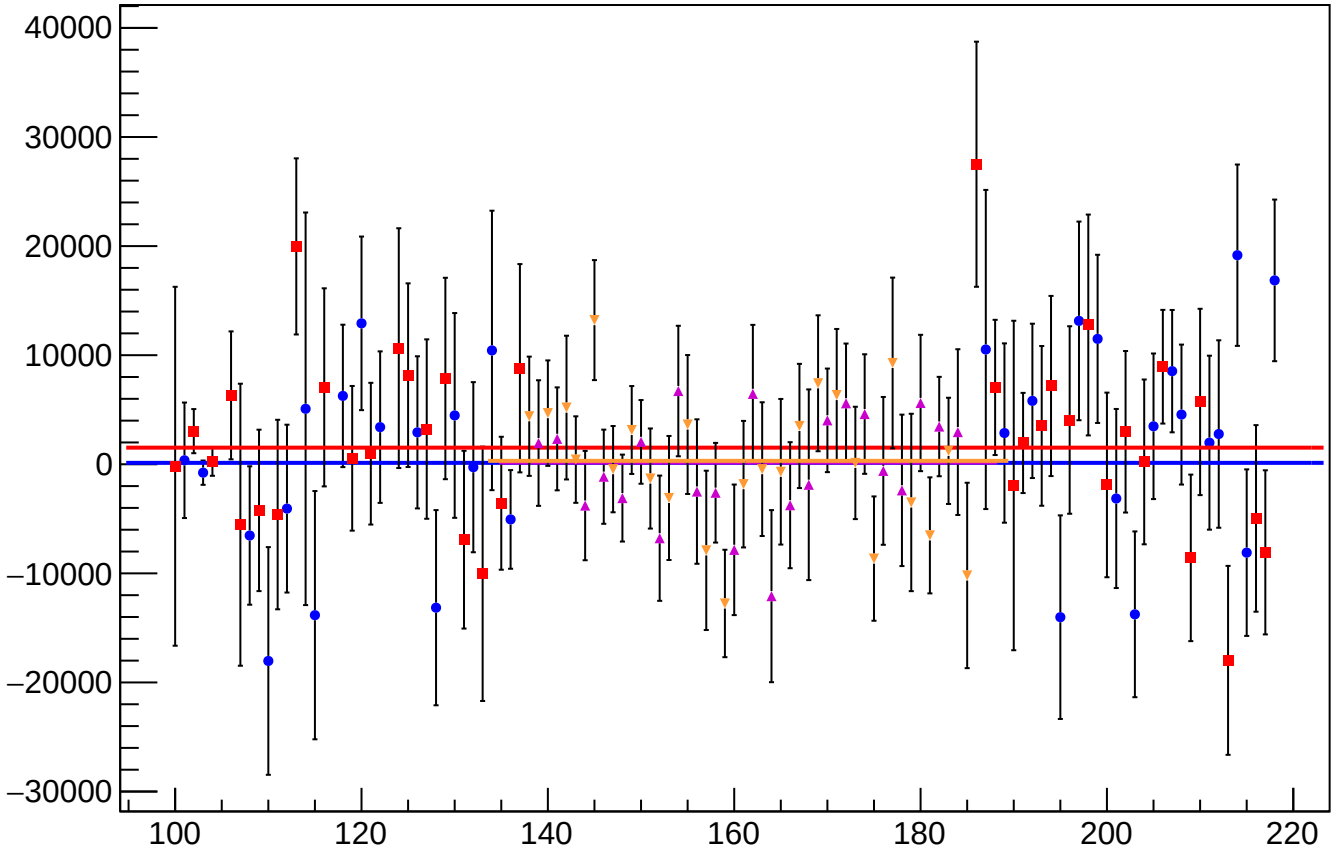
Left In: 1703.969+/-0.281 χ^2/NDF:22568.8/22

+ sign 1770.062+/-0.199 χ^2/NDF: 442048.8/56

All: 1773.543+/-0.142 χ^2/NDF: 1150271.5/11

- sign 1777.141+/-0.203 χ^2/NDF: 707603.4/58

asym_atl1r2_avg_cor_correction_mean vs Slug



Right In: 129.423+/-861.209 χ^2/NDF: 40.8/31

Left Out: 314.084+/-1091.975 χ^2/NDF:27.0/24

Right Out: 1523.562+/-840.120 χ^2/NDF: 34.1/35

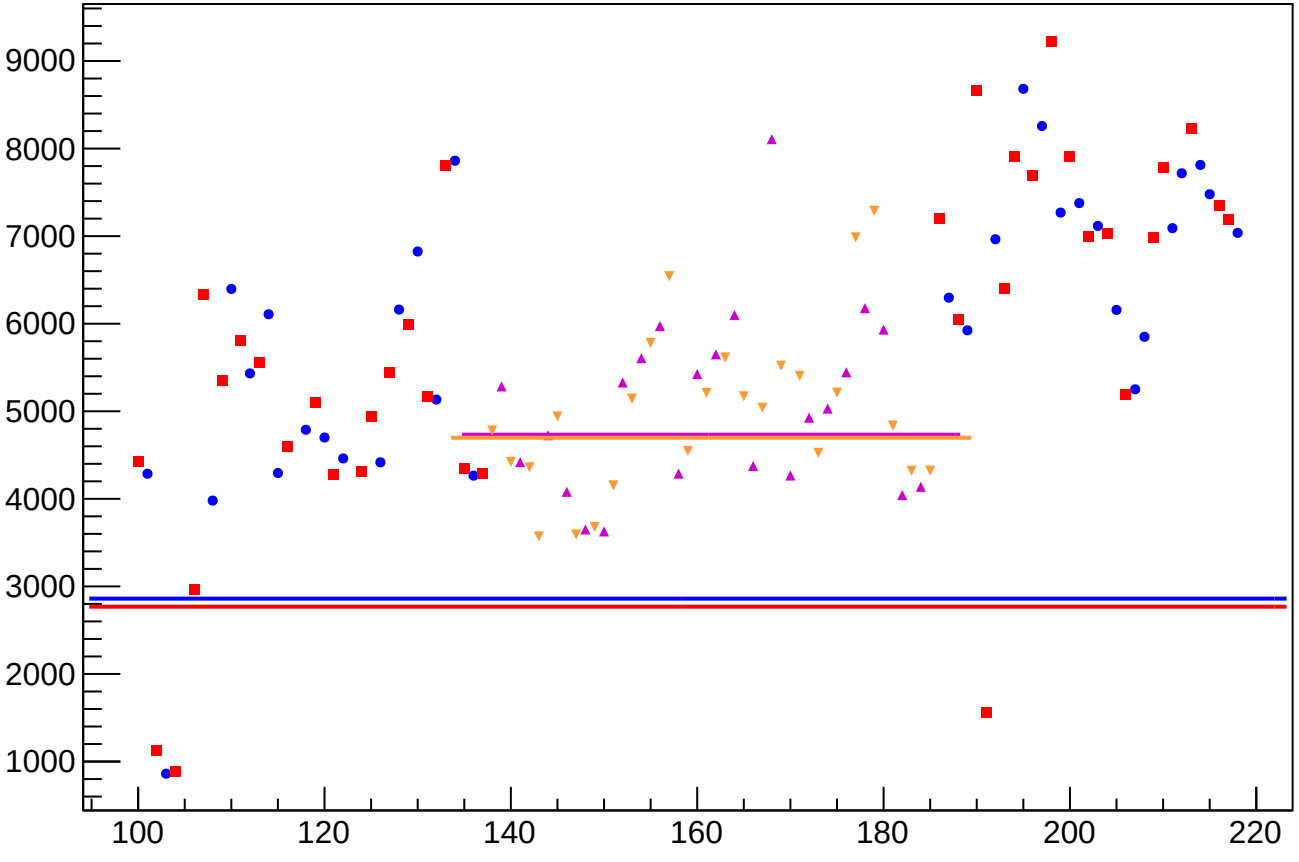
Left In: 157.977+/-1128.443 χ^2/NDF:14.7/22

\+ sign 200.236+/-676.212 χ^2/NDF: 67.8/56

All: 619.856+/-477.325 χ^2/NDF: 118.3/115

\- sign 1036.578+/-673.873 χ^2/NDF: 49.7/58

asym_atl1r2_avg_cor_correction_rms vs Slug



Right In: 2860.486+/-0.609 χ^2/NDF: 17978496.2/31

Left Out: 4697.618+/-0.772 χ^2/NDF:1239387.1/24

Right Out: 2768.285+/-0.594 χ^2/NDF: 18231771.7/35

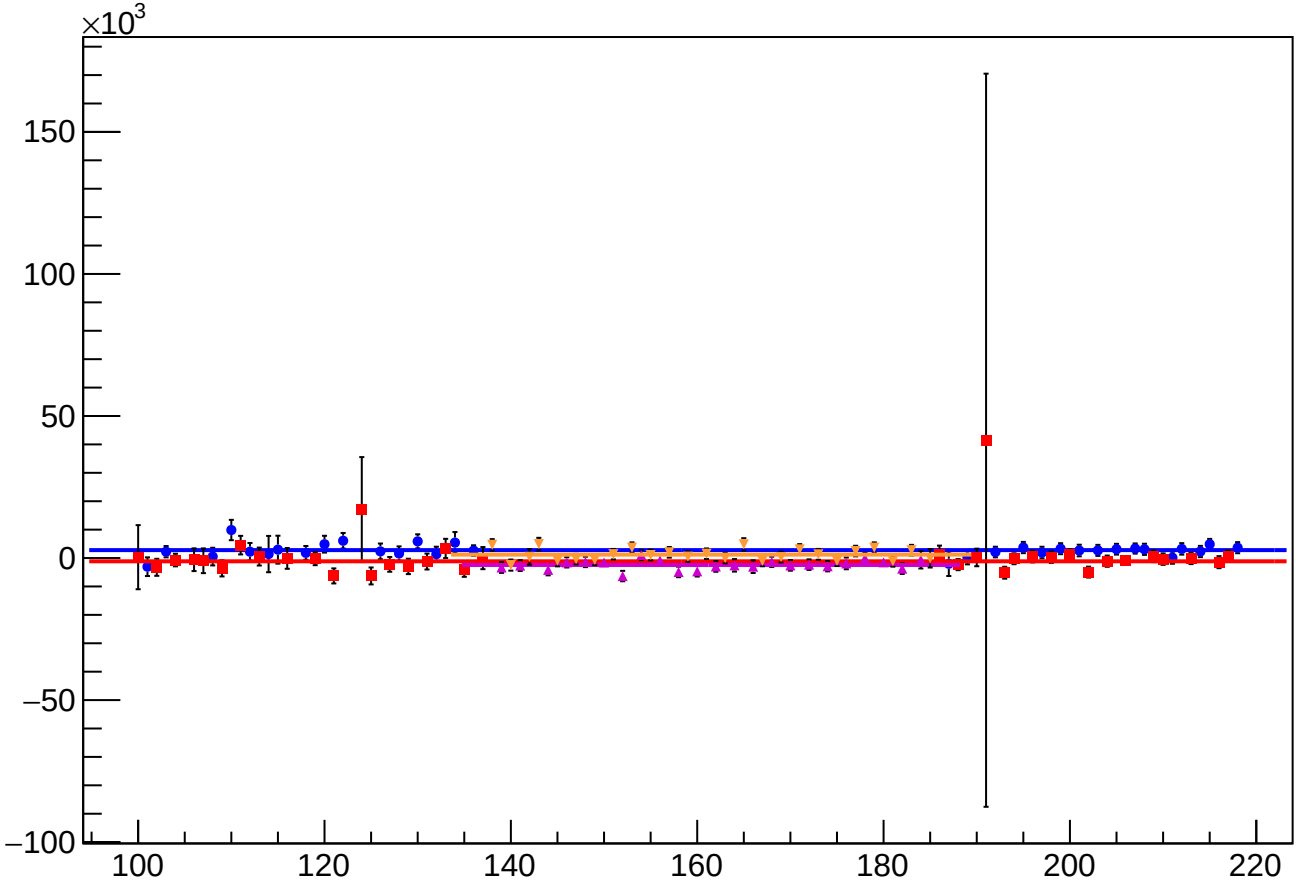
Left In: 4732.421+/-0.798 χ^2/NDF:1242809.3/22

+ sign 3564.985+/-0.478 χ^2/NDF: 22707952.2/56

All: 3516.686+/-0.338 χ^2/NDF: 46101270.8/1

- sign 3468.720+/-0.476 χ^2/NDF: 23372982.3/58

eigen_cor_asym_atl1r2_avg_mean vs Slug



Right In: 2792.858+/-409.503 χ^2/NDF: 18.7/31

Left Out: 1202.304+/-389.137 χ^2/NDF:26.3/24

Right Out: -1148.686+/-413.980 χ^2/NDF: 30.1/35

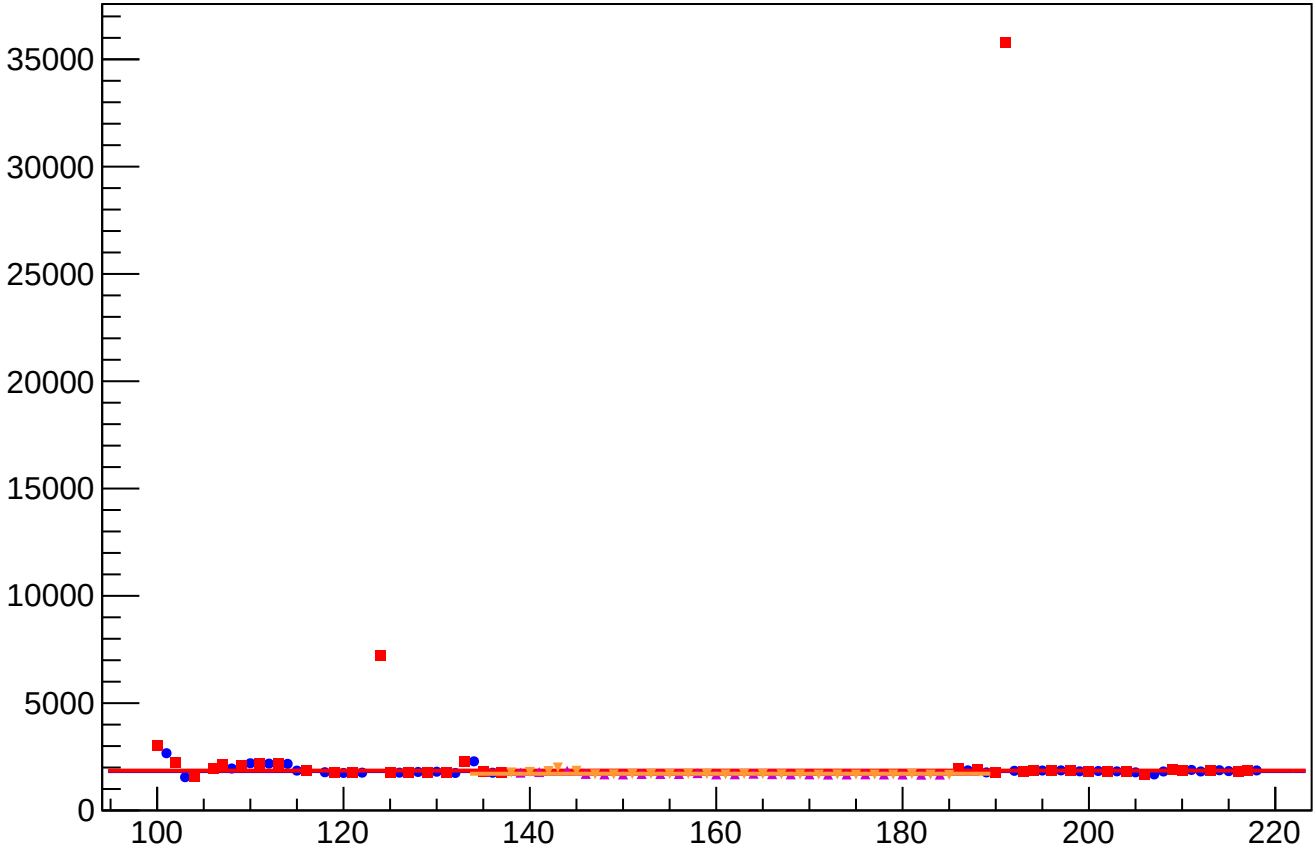
Left In: -2438.940+/-397.969 χ^2/NDF:17.5/22

+ sign 1957.047+/-282.086 χ^2/NDF: 52.9/56

All: 100.845+/-201.145 χ^2/NDF: 193.7/115

- sign -1819.246+/-286.900 χ^2/NDF: 52.7/58

eigen_cor_asym_atl1r2_avg_rms vs Slug



Right In: 1834.607+/-0.290 χ^2/NDF: 287423.7/31

Left Out: 1711.777+/-0.275 χ^2/NDF:60068.7/24

Right Out: 1856.204+/-0.293 χ^2/NDF: 544368.7/35

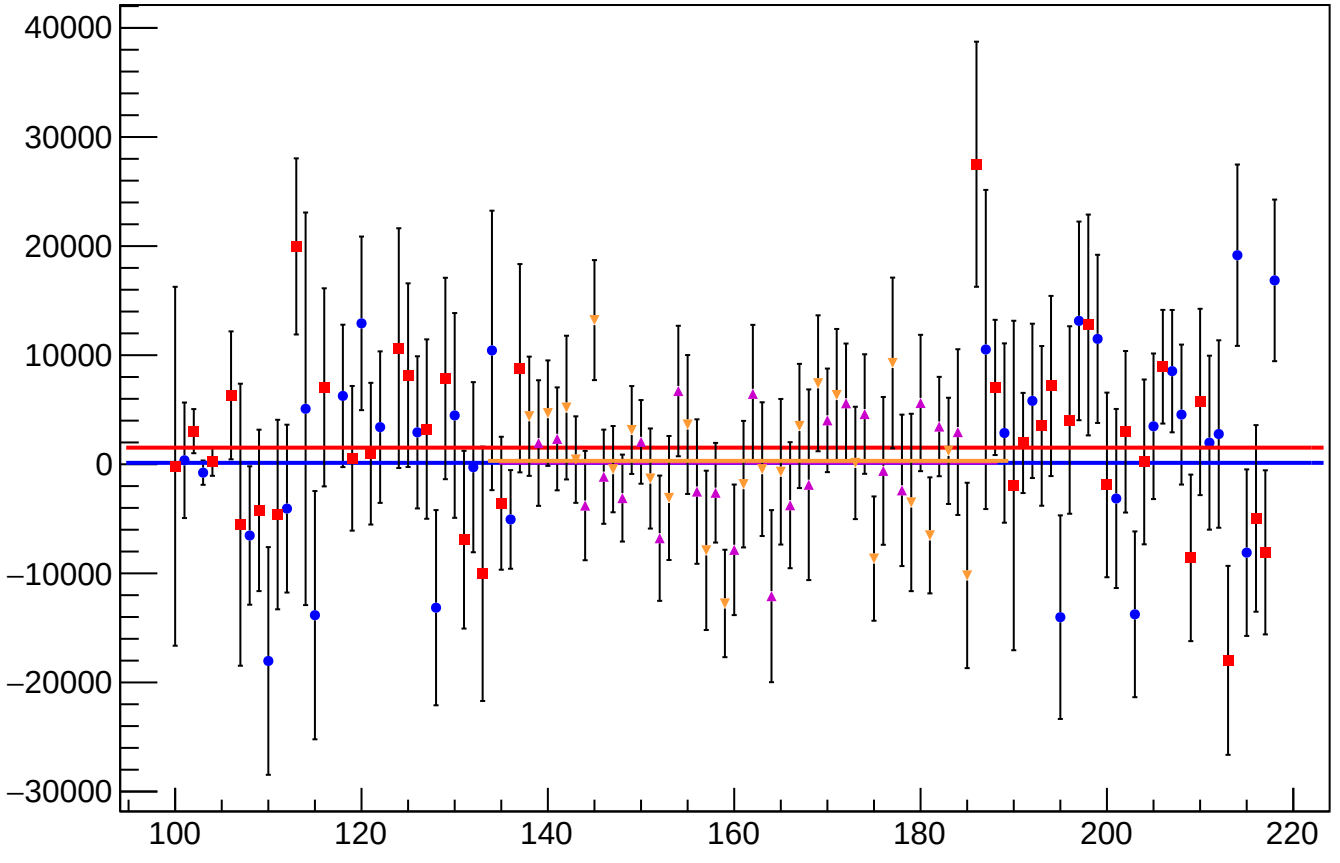
Left In: 1703.969+/-0.281 χ^2/NDF:22568.8/22

+ sign 1770.062+/-0.199 χ^2/NDF: 442048.8/56

All: 1773.543+/-0.142 χ^2/NDF: 1150271.5/11

- sign 1777.141+/-0.203 χ^2/NDF: 707603.4/58

asym_atl1r2_avg_eigen_cor_correction_mean vs Slug



Right In: 129.423+/-861.209 χ^2/NDF: 40.8/31

Left Out: 314.084+/-1091.975 χ^2/NDF:27.0/24

Right Out: 1523.562+/-840.120 χ^2/NDF: 34.1/35

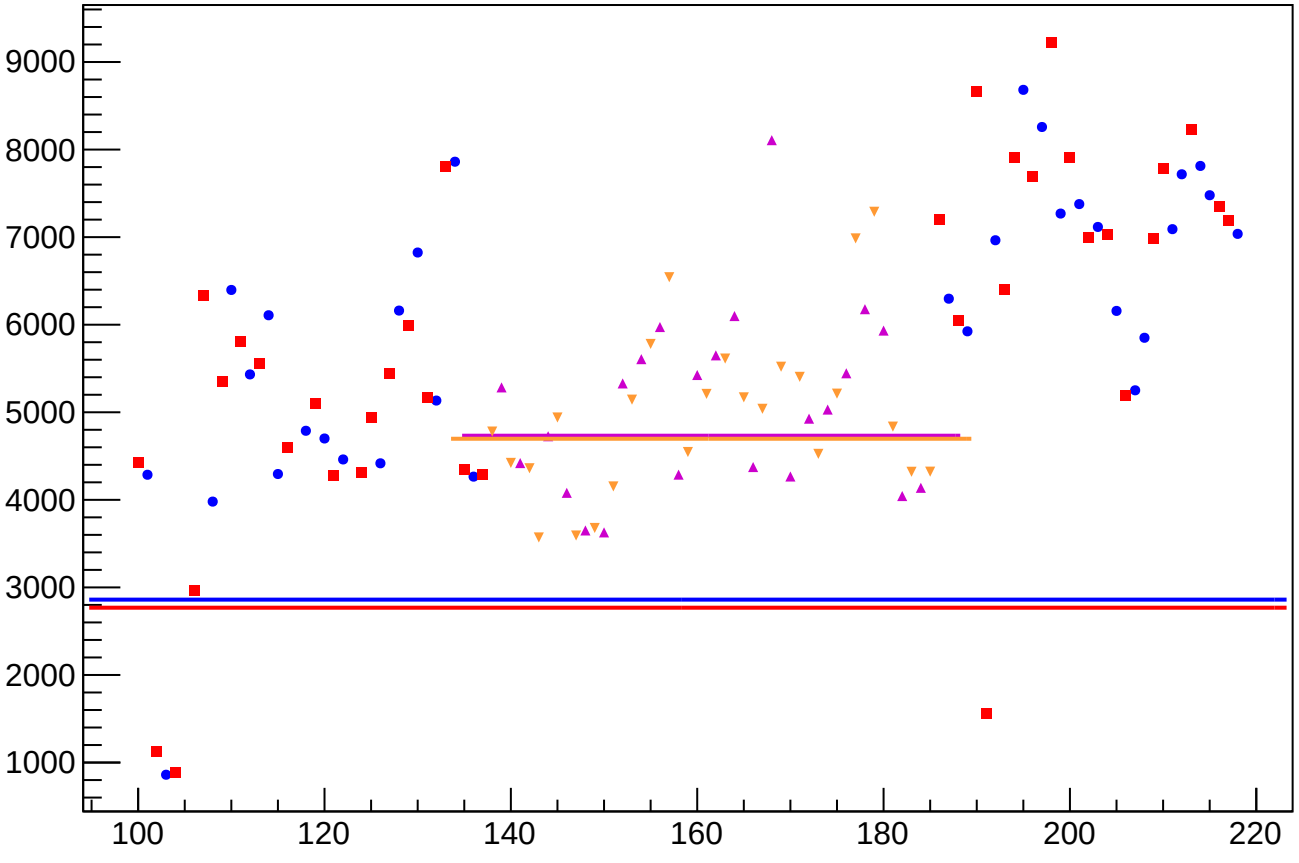
Left In: 157.977+/-1128.443 χ^2/NDF:14.7/22

\+ sign 200.236+/-676.212 χ^2/NDF: 67.8/56

All: 619.856+/-477.325 χ^2/NDF: 118.3/115

\- sign 1036.578+/-673.873 χ^2/NDF: 49.7/58

asym_atl1r2_avg_eigen_cor_correction_rms vs Slug



Right In: 2860.486+/-0.609 χ^2/NDF: 17978496.2/31

Left Out: 4697.618+/-0.772 χ^2/NDF:1239387.1/24

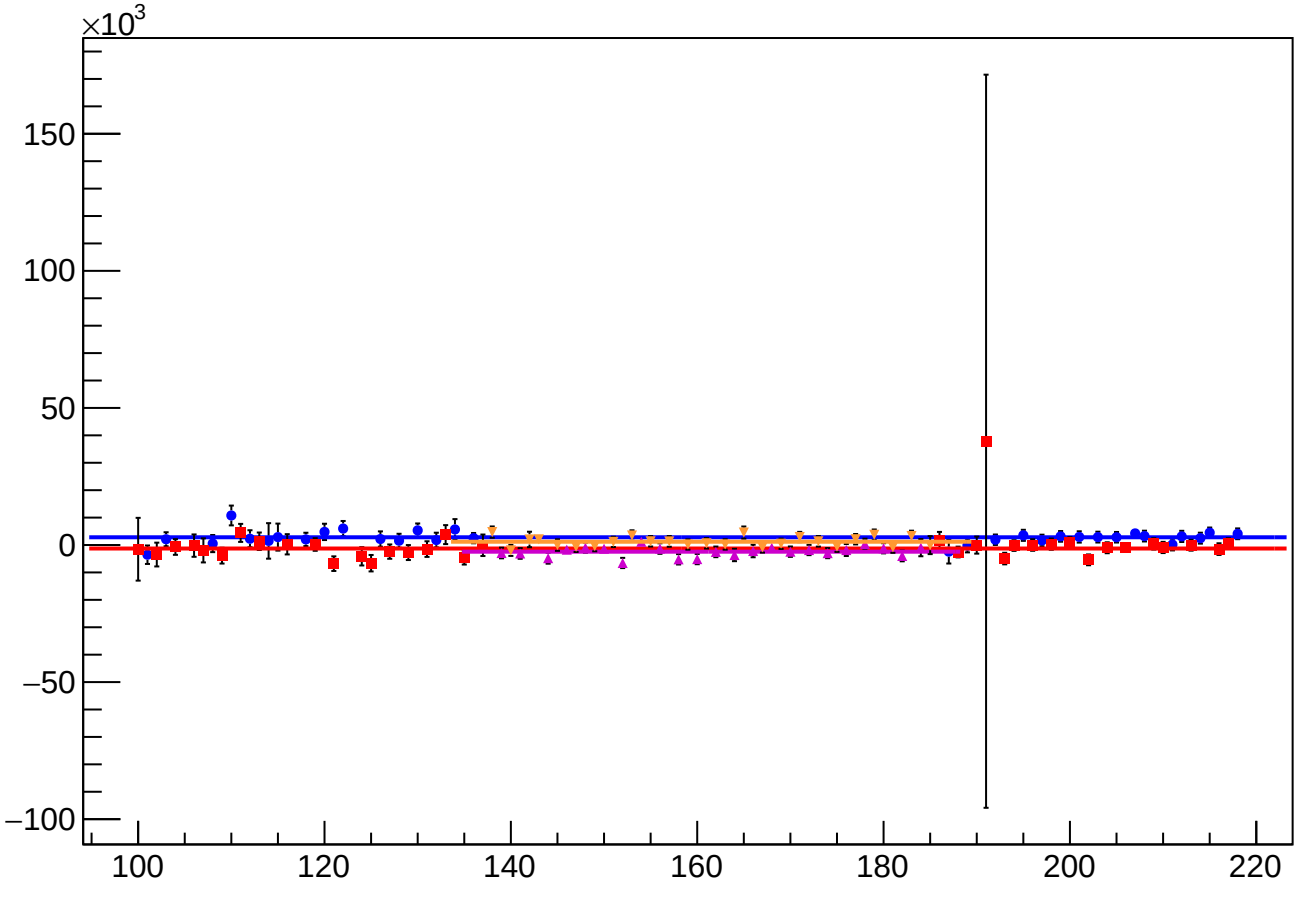
Right Out: 2768.285+/-0.594 χ^2/NDF: 18231771.7/35

Left In: 4732.421+/-0.798 χ^2/NDF:1242809.3/22

+ sign 3564.985+/-0.478 χ^2/NDF: 22707952.2/56

All: 3516.686+/-0.338 χ^2/NDF: 46101270.8/1

- sign 3468.720+/-0.476 χ^2/NDF: 23372982.3/58



Right In: 2822.580+/-417.268 χ^2/NDF: 20.1/31

Left Out: 1197.362+/-392.981 χ^2/NDF:19.5/24

Right Out: -1278.170+/-420.404 χ^2/NDF: 31.7/35

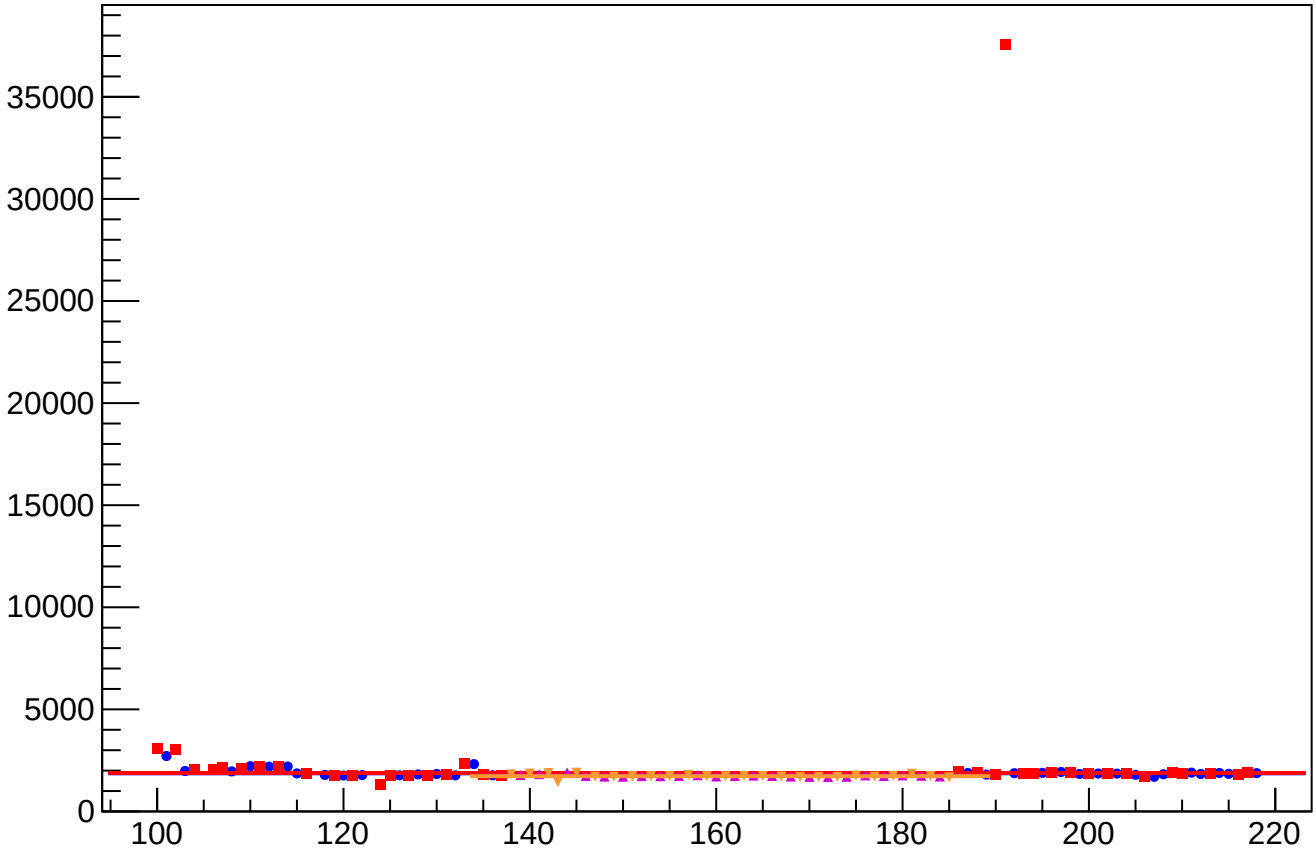
Left In: -2438.062+/-407.551 χ^2/NDF:20.6/22

+ sign 1961.301+/-286.080 χ^2/NDF: 47.7/56

All: 85.956+/-204.563 χ^2/NDF: 191.8/115

- sign -1876.118+/-292.621 χ^2/NDF: 56.2/58

dit_asym_atl1r2_avg_rms vs Slug



Right In: 1869.682+/-0.295 χ^2/NDF: 253175.6/31

Left Out: 1727.235+/-0.278 χ^2/NDF:110270.9/24

Right Out: 1882.146+/-0.297 χ^2/NDF: 522318.1/35

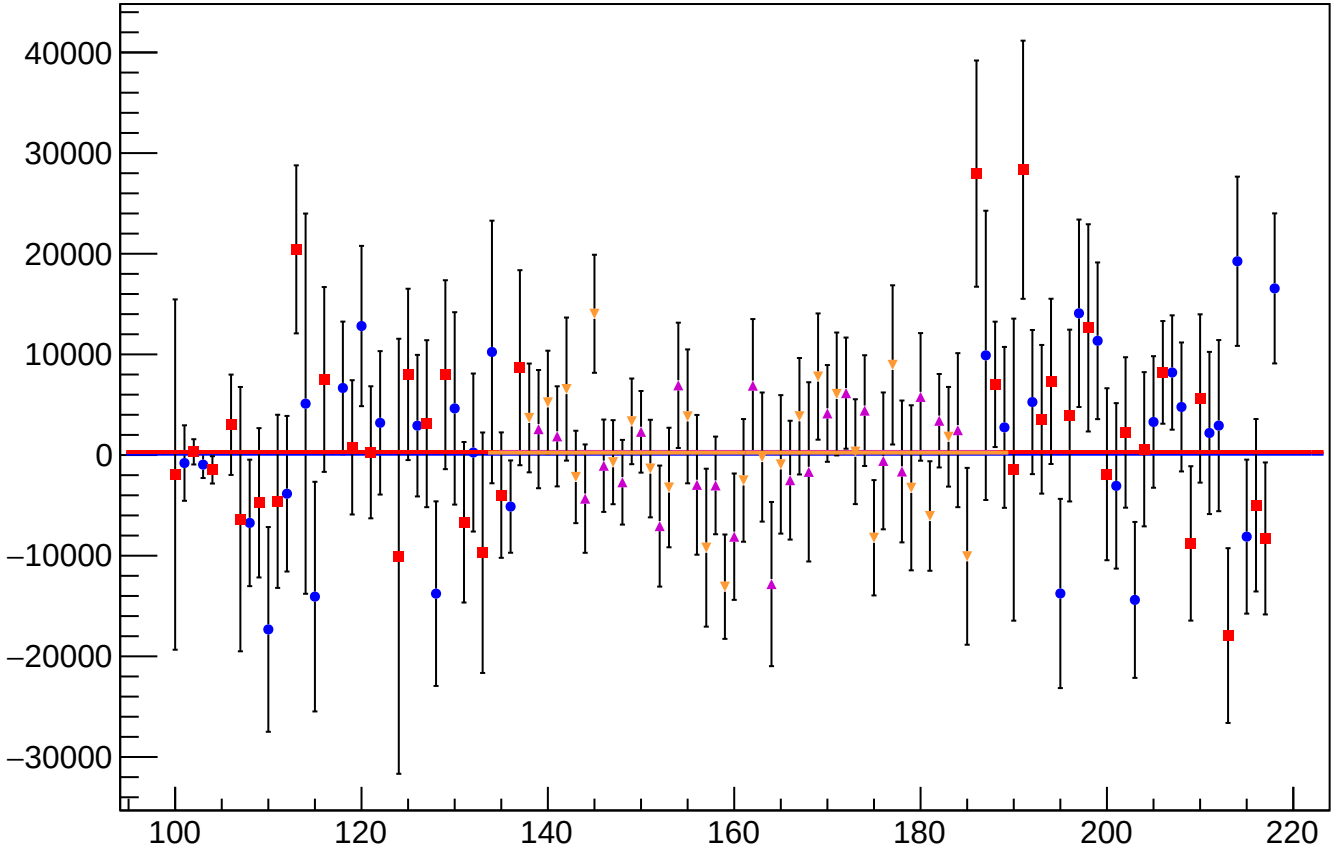
Left In: 1744.633+/-0.288 χ^2/NDF:26798.0/22

+ sign 1794.192+/-0.202 χ^2/NDF: 486966.5/56

All: 1802.542+/-0.145 χ^2/NDF: 1149913.9/11

- sign 1811.274+/-0.207 χ^2/NDF: 659462.2/58

asym_atl1r2_avg_dit_correction_mean vs Slug



Right In: 131.944+/-937.593 χ^2/NDF: 40.4/31

Left Out: 241.131+/-1140.961 χ^2/NDF:26.7/24

Right Out: 303.598+/-768.010 χ^2/NDF: 39.0/35

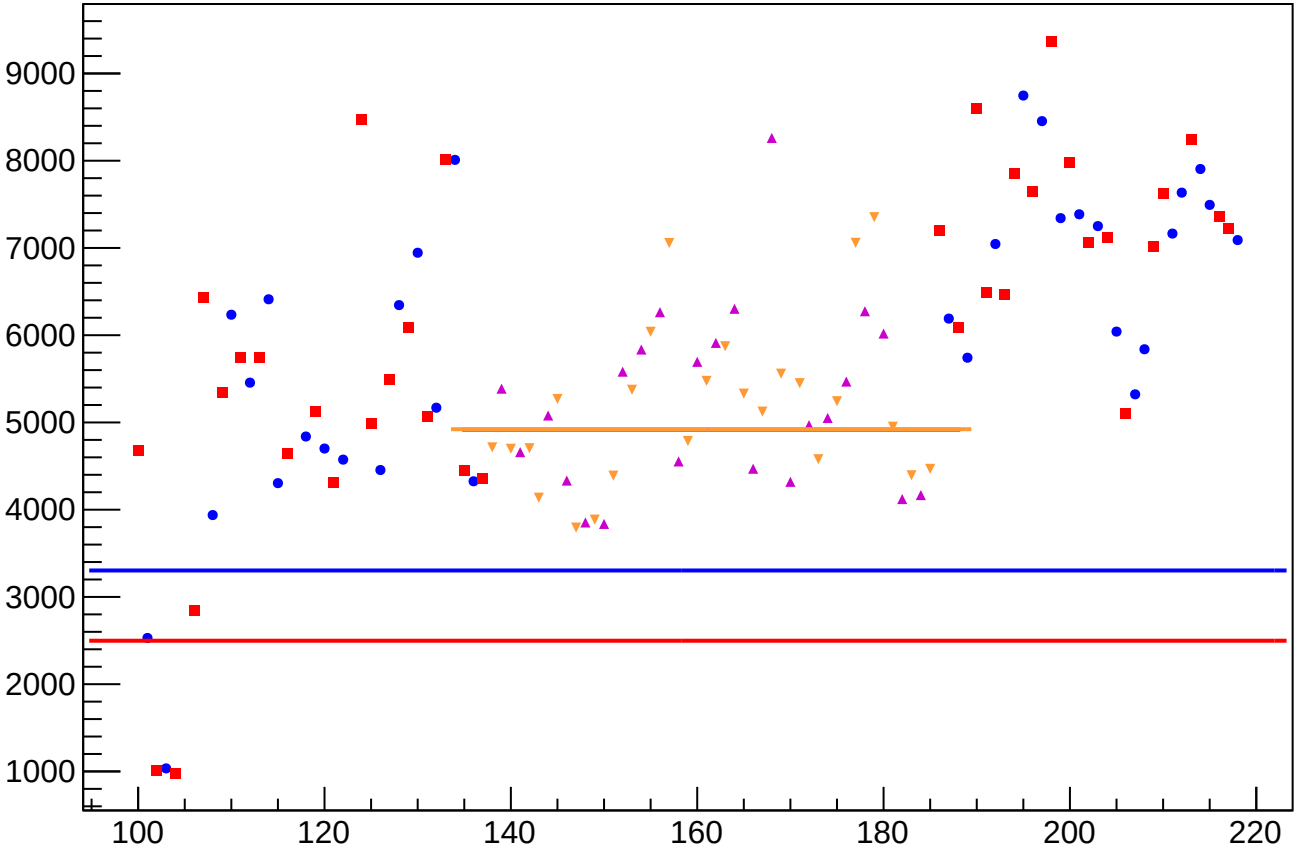
Left In: 306.106+/-1171.019 χ^2/NDF:14.5/22

+ sign 175.956+/-724.386 χ^2/NDF: 67.2/56

All: 247.847+/-480.550 χ^2/NDF: 120.7/115

- sign 304.352+/-642.212 χ^2/NDF: 53.5/58

asym_atl1r2_avg_dit_correction_rms vs Slug



Right In: 3303.322+/-0.663 χ^2/NDF: 14838780.6/31

Left Out: 4922.380+/-0.807 χ^2/NDF:1050408.0/24

Right Out: 2498.075+/-0.543 χ^2/NDF: 19949164.6/35

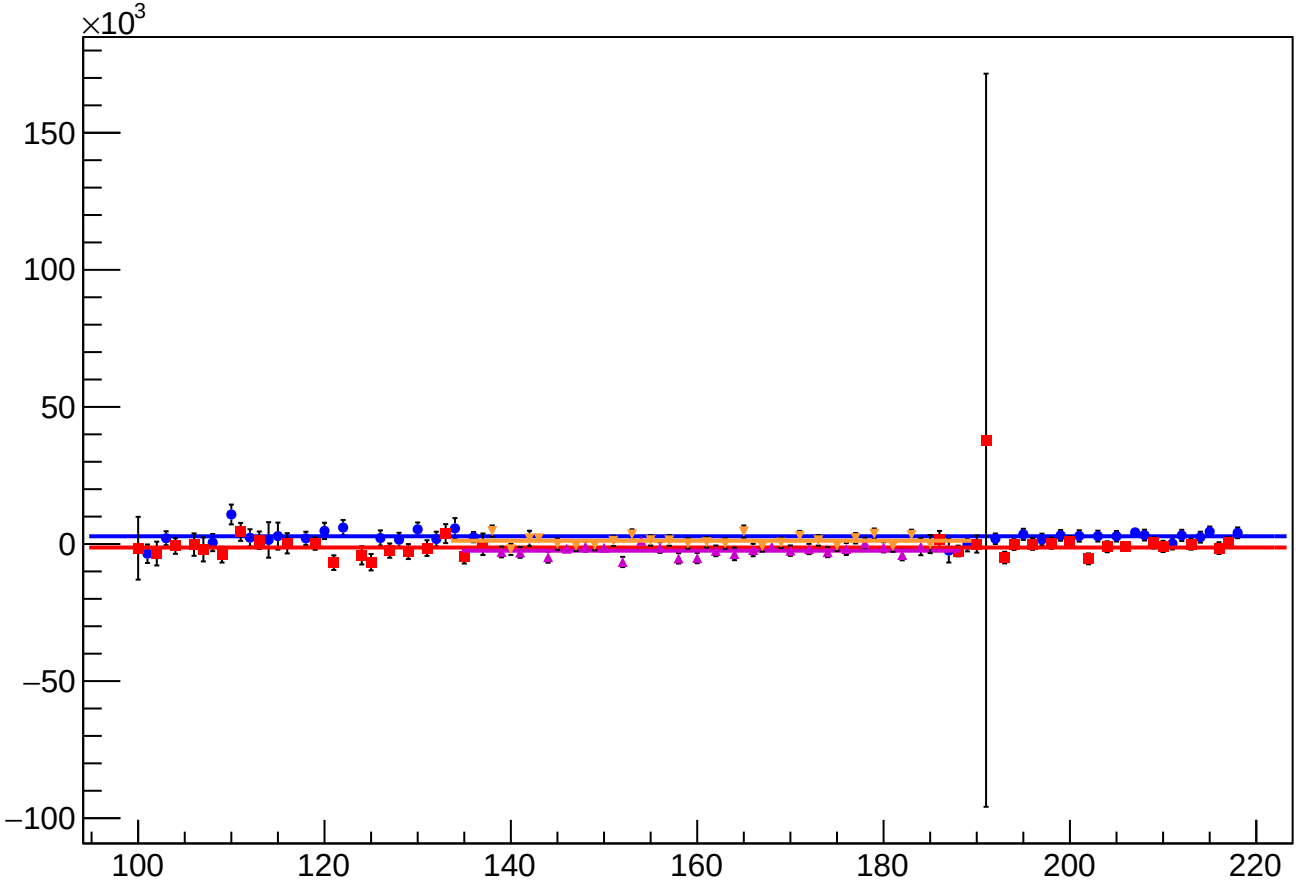
Left In: 4916.964+/-0.828 χ^2/NDF:1161642.5/22

+ sign 3955.943+/-0.512 χ^2/NDF: 18293133.9/56

All: 3547.011+/-0.340 χ^2/NDF: 46509289.1/1

- sign 3225.595+/-0.454 χ^2/NDF: 27077816.5/58

eigen_dit_asym_atl1r2_avg_mean vs Slug



Right In: 2822.572+/-417.267 χ^2/NDF: 20.1/31

Left Out: 1197.356+/-392.981 χ^2/NDF:19.5/24

Right Out: -1278.173+/-420.404 χ^2/NDF: 31.7/35

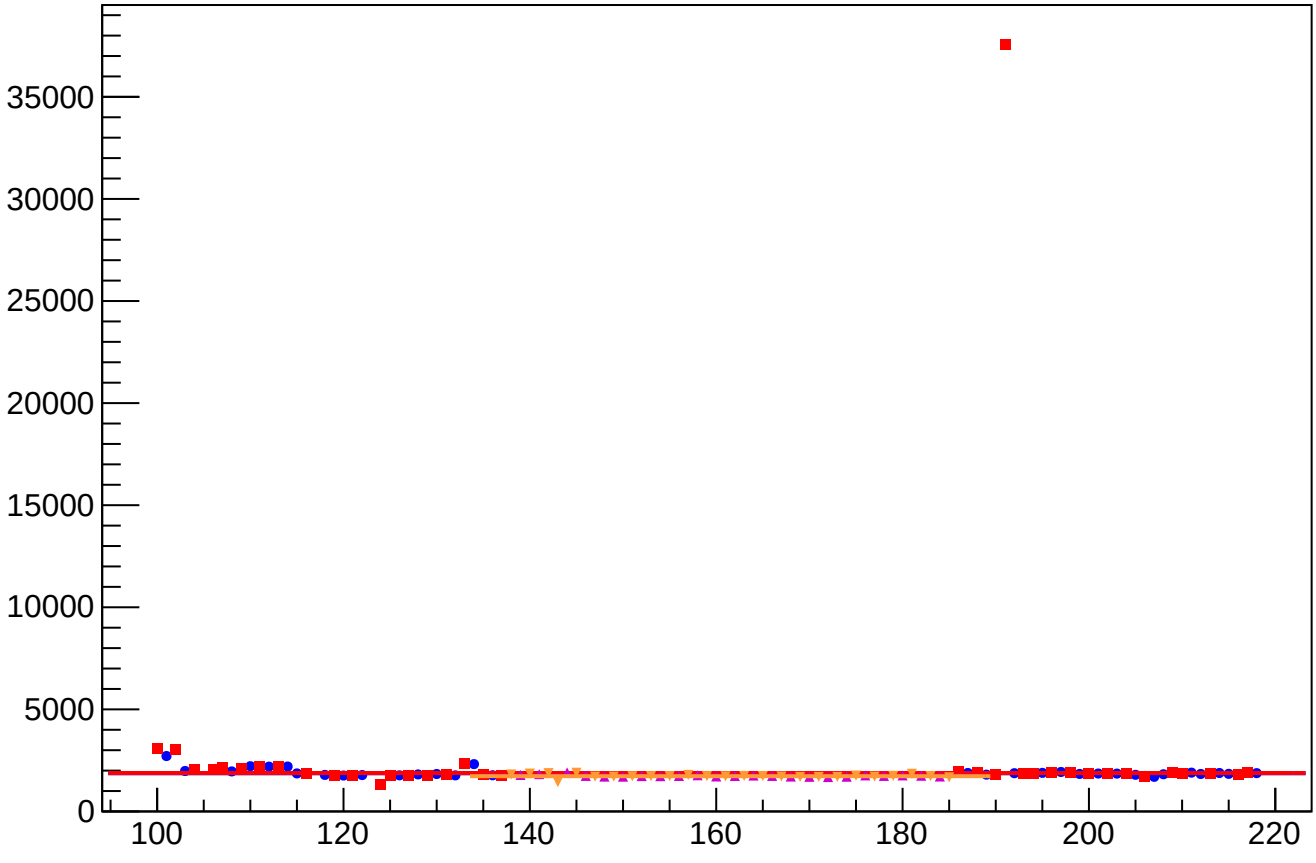
Left In: -2438.062+/-407.552 χ^2/NDF:20.6/22

+ sign 1961.294+/-286.080 χ^2/NDF: 47.7/56

All: 85.952+/-204.563 χ^2/NDF: 191.8/115

- sign -1876.119+/-292.621 χ^2/NDF: 56.2/58

eigen_dit_asym_atl1r2_avg_rms vs Slug



Right In: 1869.681+/-0.295 χ^2/NDF: 253175.6/31

Left Out: 1727.236+/-0.278 χ^2/NDF:110269.9/24

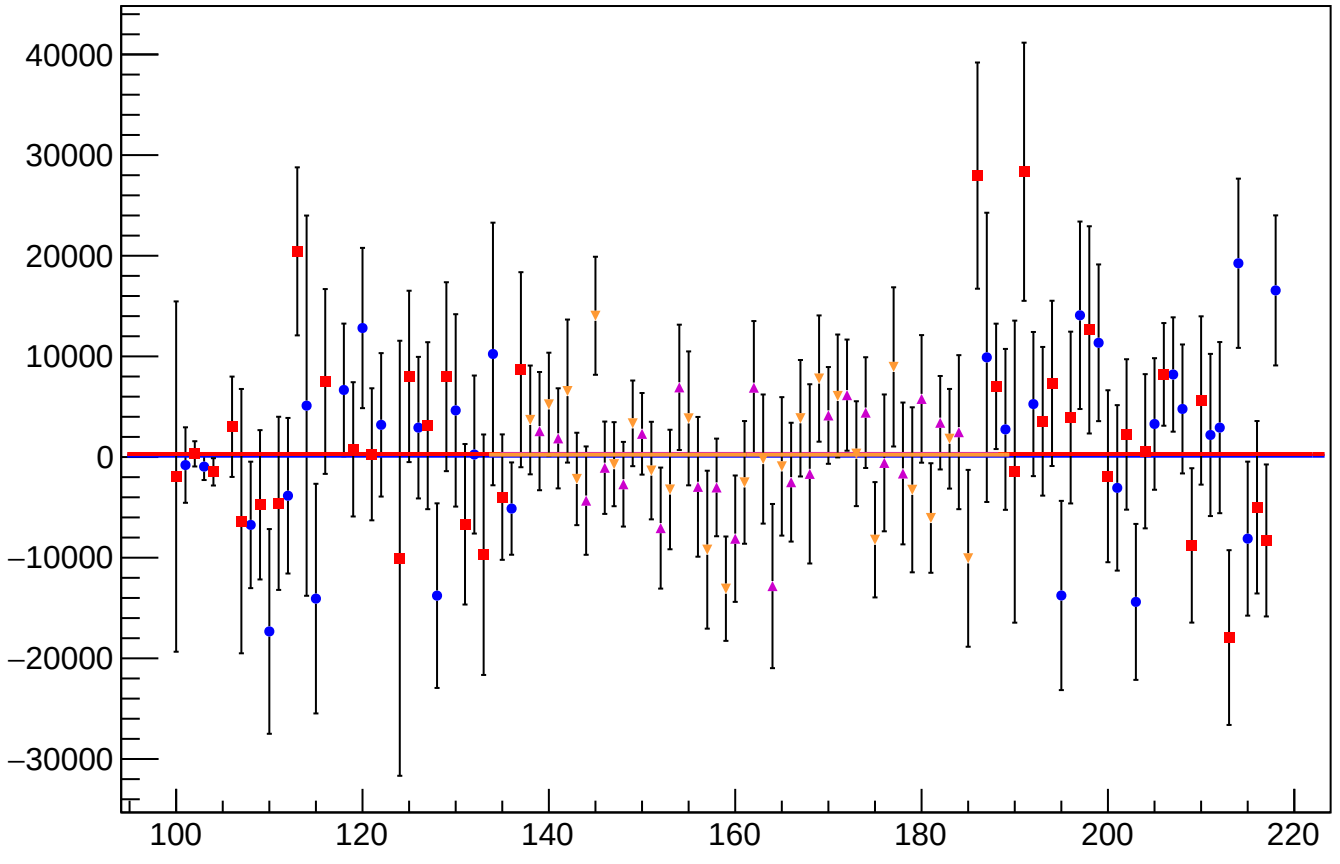
Right Out: 1882.146+/-0.297 χ^2/NDF: 522316.9/35

Left In: 1744.633+/-0.288 χ^2/NDF:26798.0/22

+ sign 1794.193+/-0.202 χ^2/NDF: 486963.5/56

All: 1802.542+/-0.145 χ^2/NDF: 1149908.2/11

- sign 1811.275+/-0.207 χ^2/NDF: 659459.5/58



Right In: 131.944+/-937.593 χ^2/NDF: 40.4/31

Left Out: 241.128+/-1140.962 χ^2/NDF:26.7/24

Right Out: 303.601+/-768.010 χ^2/NDF: 39.0/35

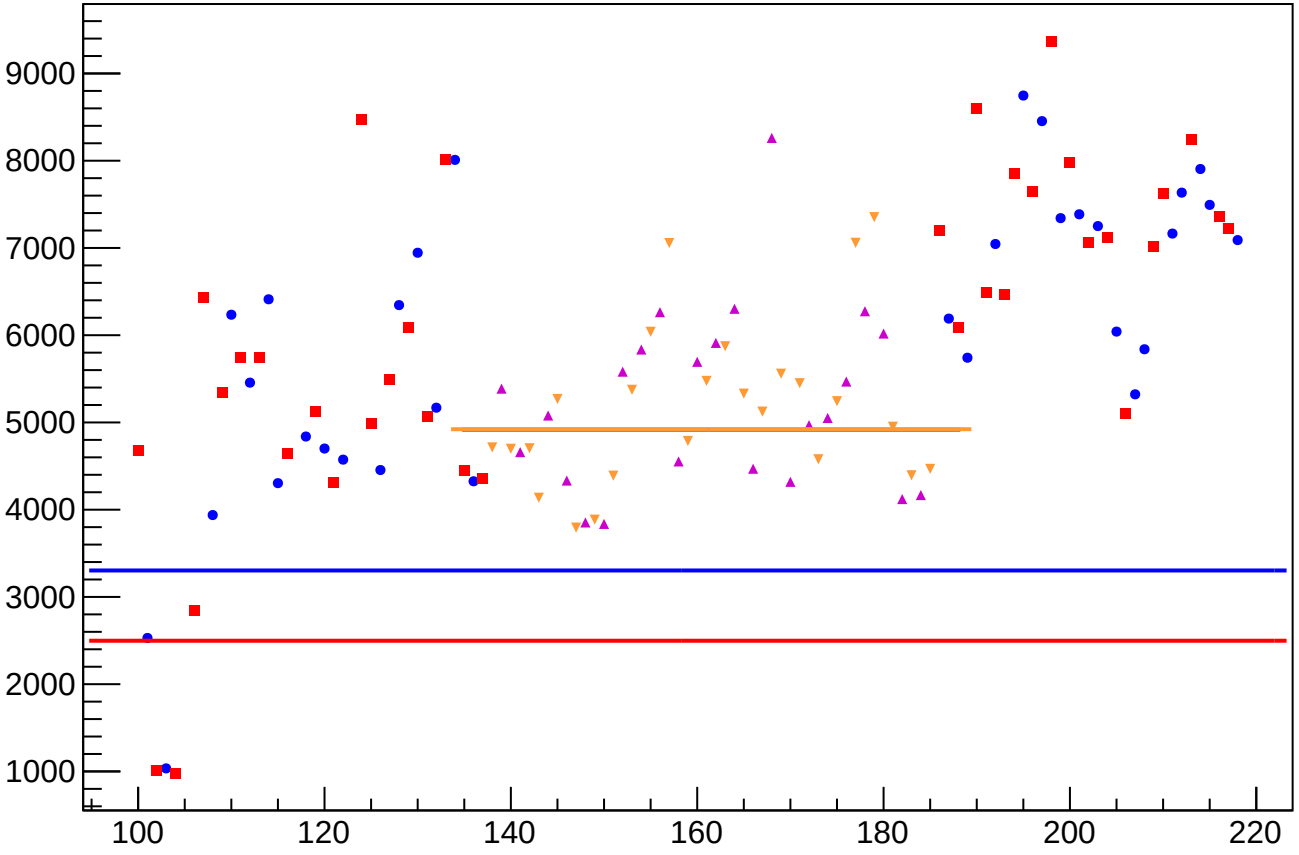
Left In: 306.109+/-1171.021 χ^2/NDF:14.5/22

\+ sign 175.955+/-724.386 χ^2/NDF: 67.2/56

All: 247.848+/-480.550 χ^2/NDF: 120.7/115

\- sign 304.356+/-642.212 χ^2/NDF: 53.5/58

asym_atl1r2_avg_eigen_dit_correction_rms vs Slug



Right In: 3303.320+/-0.663 χ^2/NDF: 14838793.3/31

Left Out: 4922.388+/-0.807 χ^2/NDF:1050409.4/24

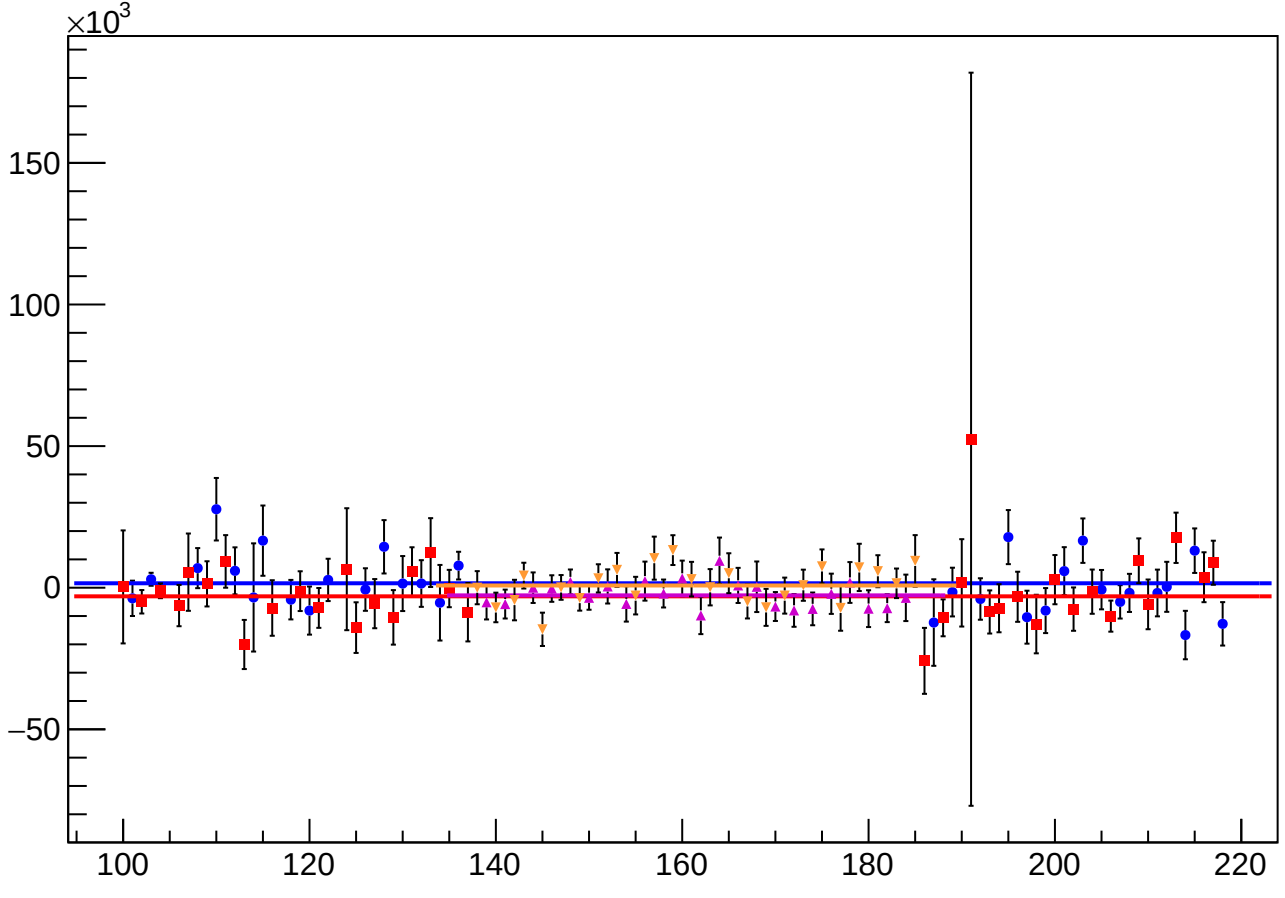
Right Out: 2498.074+/-0.543 χ^2/NDF: 19949172.2/35

Left In: 4916.972+/-0.828 χ^2/NDF:1161645.9/22

+ sign 3955.944+/-0.512 χ^2/NDF: 18293174.1/56

All: 3547.011+/-0.340 χ^2/NDF: 46509376.0/1

- sign 3225.594+/-0.454 χ^2/NDF: 27077860.2/58



Right In: 1566.440+/-1219.001 χ^2/NDF: 38.4/31

Left Out: 787.965+/-1171.964 χ^2/NDF:27.6/24

Right Out: -3042.806+/-1236.029 χ^2/NDF: 34.0/35

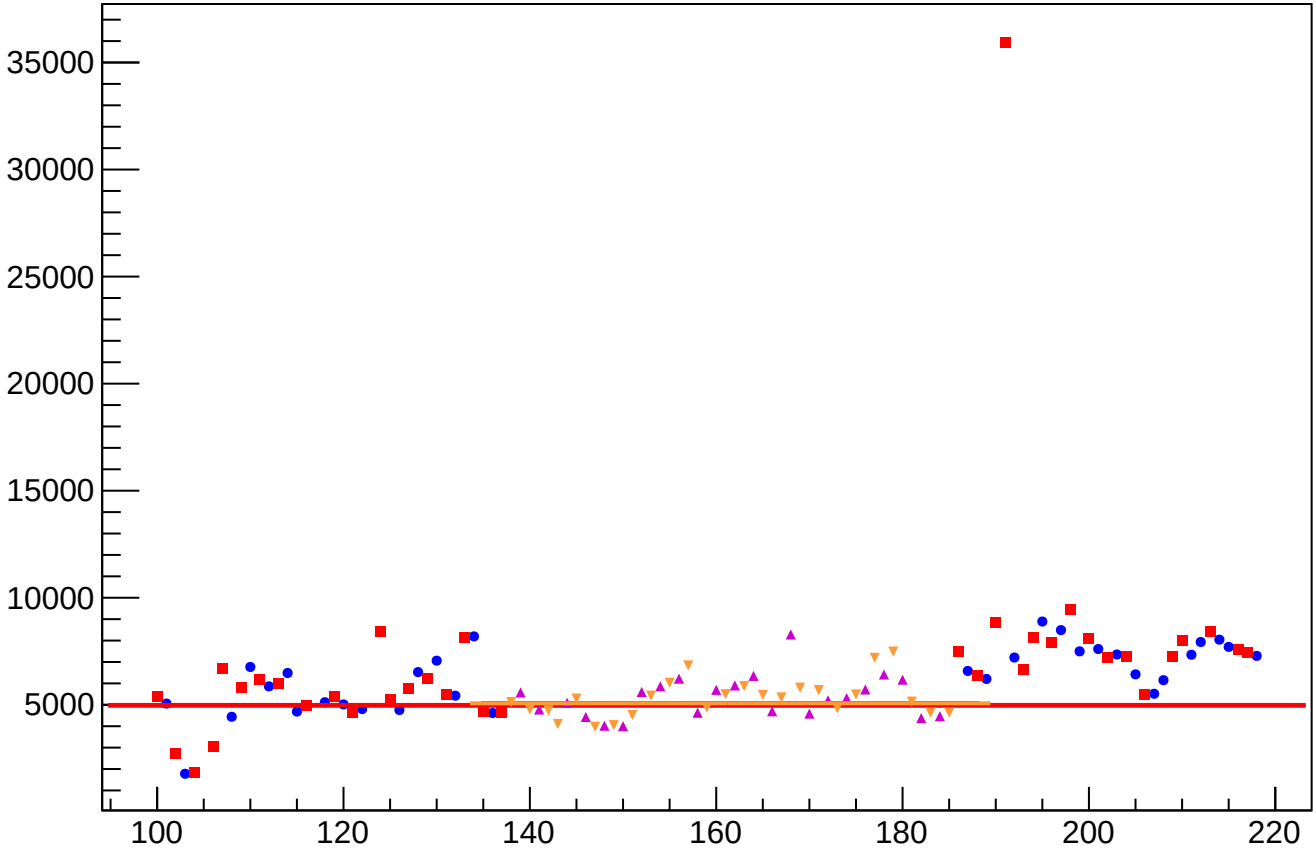
Left In: -2705.532+/-1206.281 χ^2/NDF:11.9/22

+ sign 1161.894+/-844.843 χ^2/NDF: 66.2/56

All: -810.535+/-603.812 χ^2/NDF: 123.3/115

- sign -2870.062+/-863.295 χ^2/NDF: 45.9/58

asym_atl1r2_avg_rms vs Slug



Right In: 4963.016+/-0.862 χ^2/NDF: 6951547.6/31

Left Out: 5067.898+/-0.829 χ^2/NDF:954253.8/24

Right Out: 4993.075+/-0.868 χ^2/NDF: 7150386.0/35

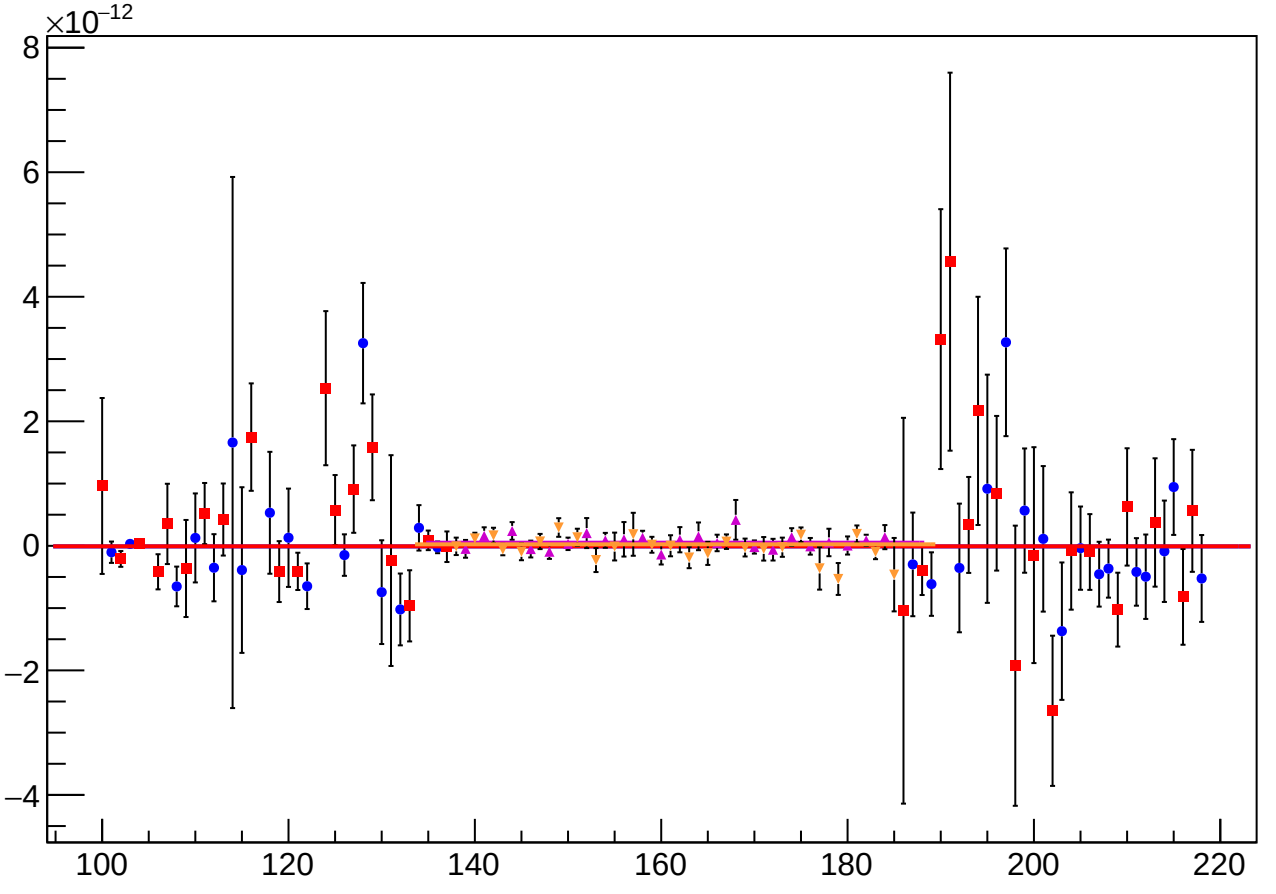
Left In: 5079.715+/-0.853 χ^2/NDF:1001241.5/22

+ sign 5017.519+/-0.597 χ^2/NDF: 7913495.3/56

All: 5027.165+/-0.426 χ^2/NDF: 16070719.9/1

- sign 5037.173+/-0.609 χ^2/NDF: 8156693.4/58

asym_atl1r2_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 38.4/31

Left Out: 0.000+/-0.000 χ^2/NDF:23.6/24

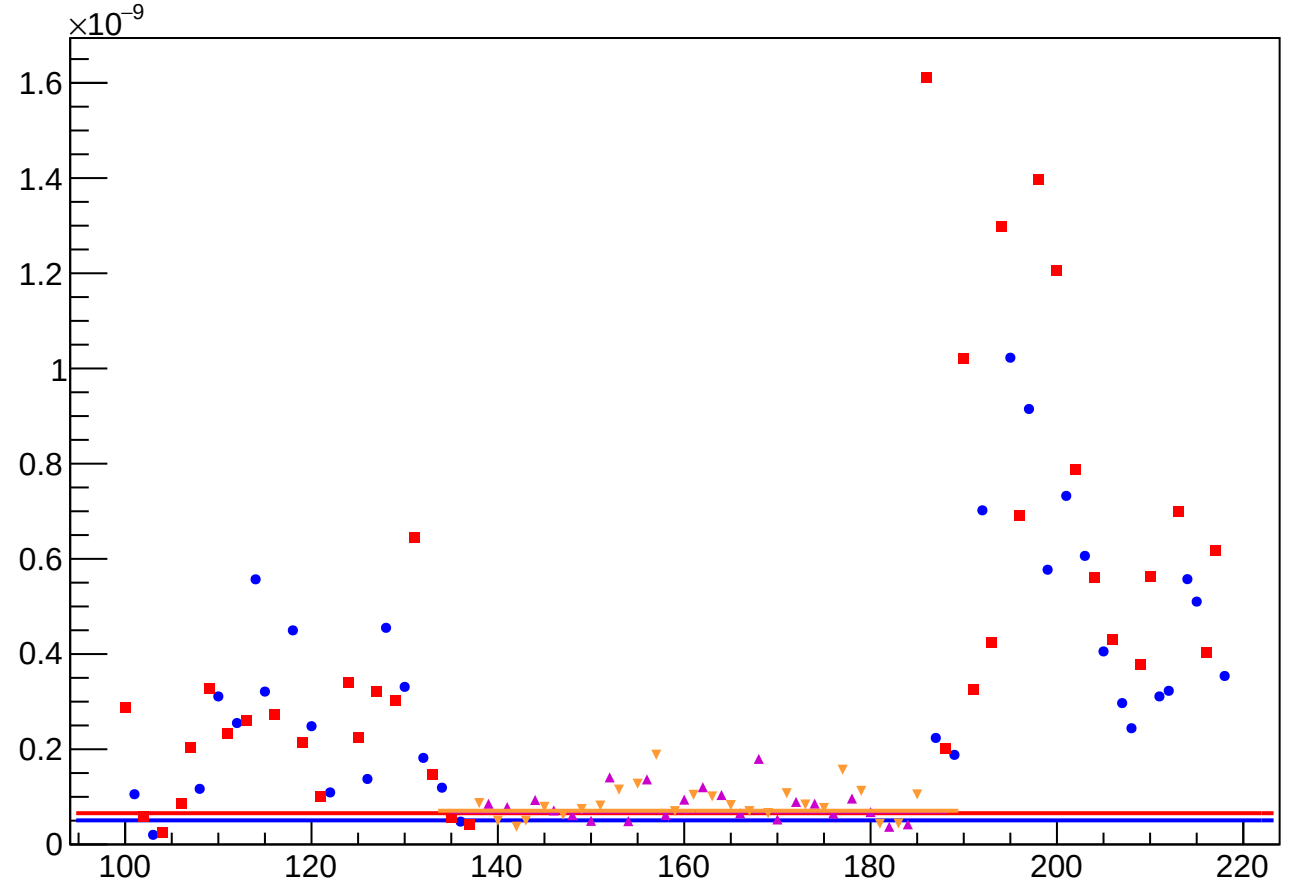
Right Out: -0.000+/-0.000 χ^2/NDF: 46.8/35

Left In: 0.000+/-0.000 χ^2/NDF:11.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 62.6/56

All: 0.000+/-0.000 χ^2/NDF: 122.1/115

- sign 0.000+/-0.000 χ^2/NDF: 59.0/58



Right In: 0.000+/-0.000 χ^2/NDF: 11393977.4/31

Left Out: 0.000+/-0.000 χ^2/NDF:1489228.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 12642712.8/35

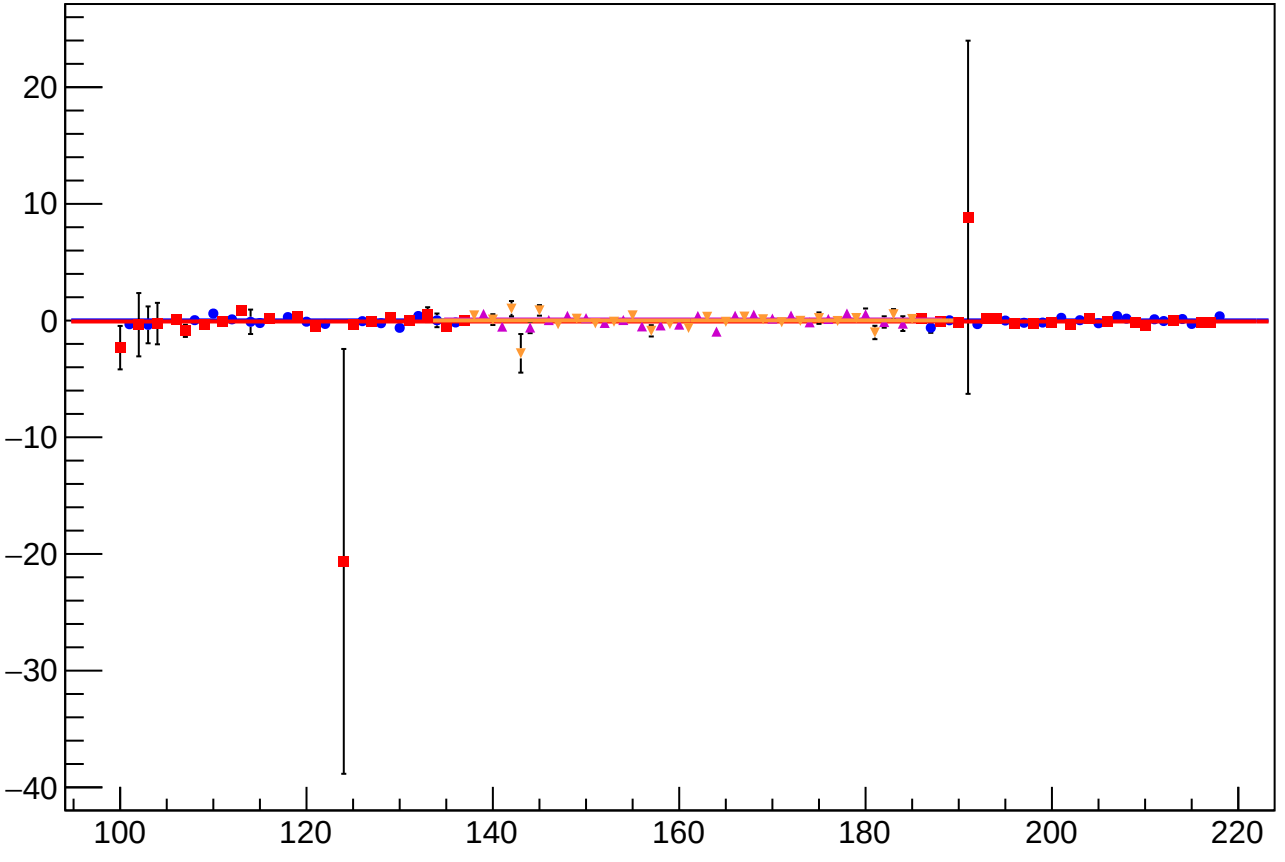
Left In: 0.000+/-0.000 χ^2/NDF:1432116.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 13272333.7/56

All: 0.000+/-0.000 χ^2/NDF: 27401275.0/115

- sign 0.000+/-0.000 χ^2/NDF: 14082178.0/58

asym_atl1r2_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.018+/-0.045 χ^2/NDF: 32.7/31

Left Out: 0.014+/-0.070 χ^2/NDF:28.3/24

Right Out: -0.079+/-0.043 χ^2/NDF: 32.2/35

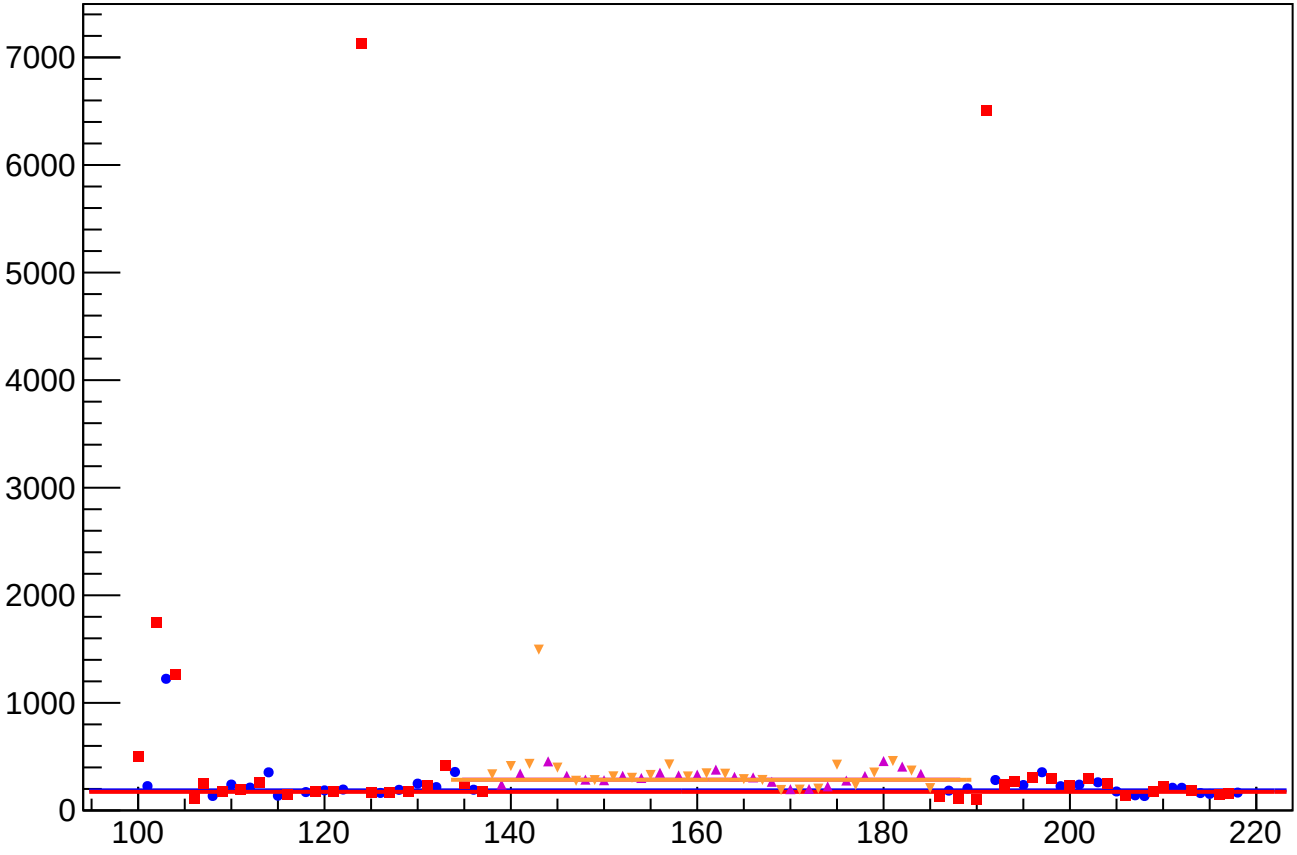
Left In: 0.091+/-0.070 χ^2/NDF:30.9/22

+ sign 0.017+/-0.038 χ^2/NDF: 61.0/56

All: -0.009+/-0.026 χ^2/NDF: 129.2/115

- sign -0.033+/-0.037 χ^2/NDF: 67.3/58

asym_atl1r2_avg_dit_vs_cor_diff_rms vs Slug



Right In: 186.854+/-0.032 χ^2/NDF: 2914302.9/31

Left Out: 285.036+/-0.049 χ^2/NDF:3407001.6/24

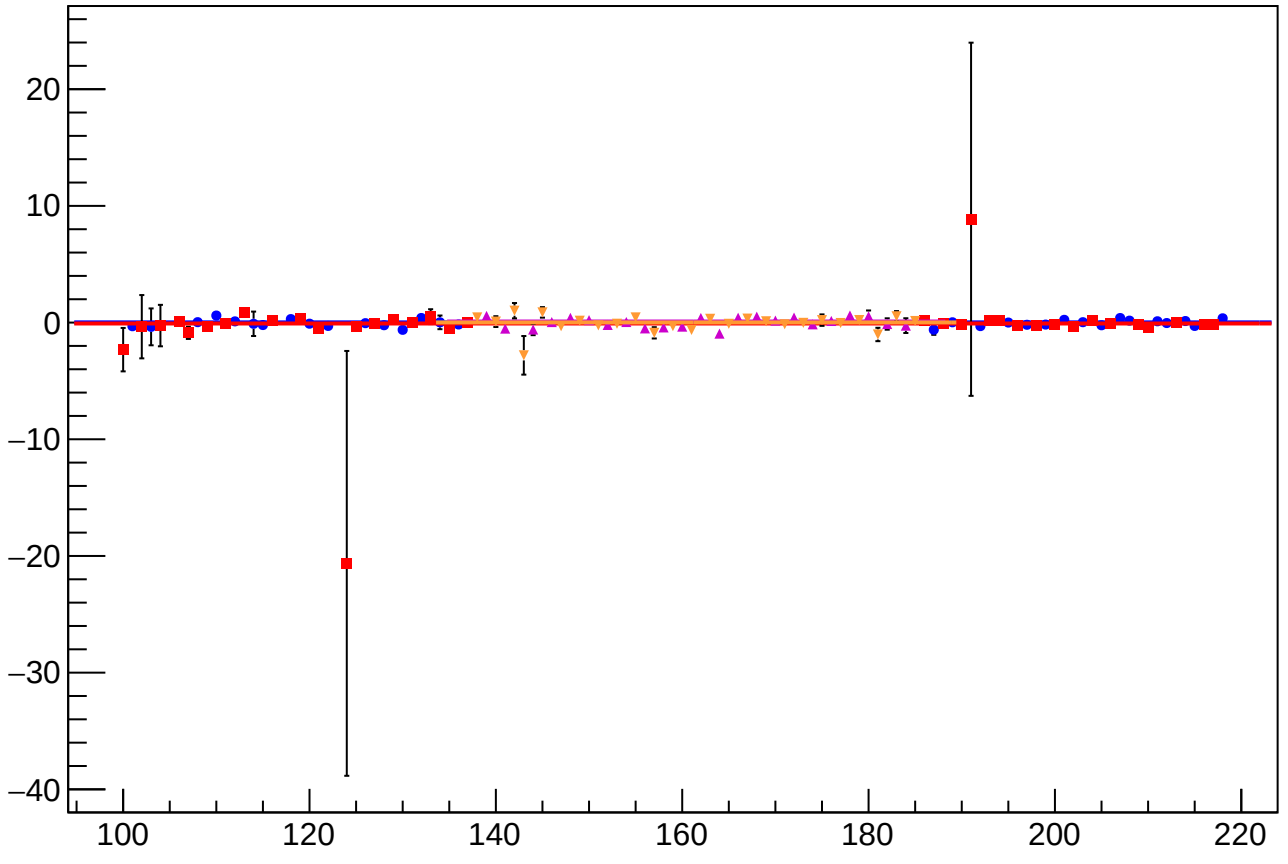
Right Out: 172.953+/-0.030 χ^2/NDF: 5512154.5/35

Left In: 285.869+/-0.050 χ^2/NDF:1744706.1/22

+ sign 215.440+/-0.027 χ^2/NDF: 9124665.0/56

All: 209.265+/-0.019 χ^2/NDF: 20240040.8/11

- sign 203.440+/-0.026 χ^2/NDF: 11010950.6/58



Right In: 0.018+/-0.045 χ^2/NDF: 32.7/31

Left Out: 0.014+/-0.070 χ^2/NDF:28.3/24

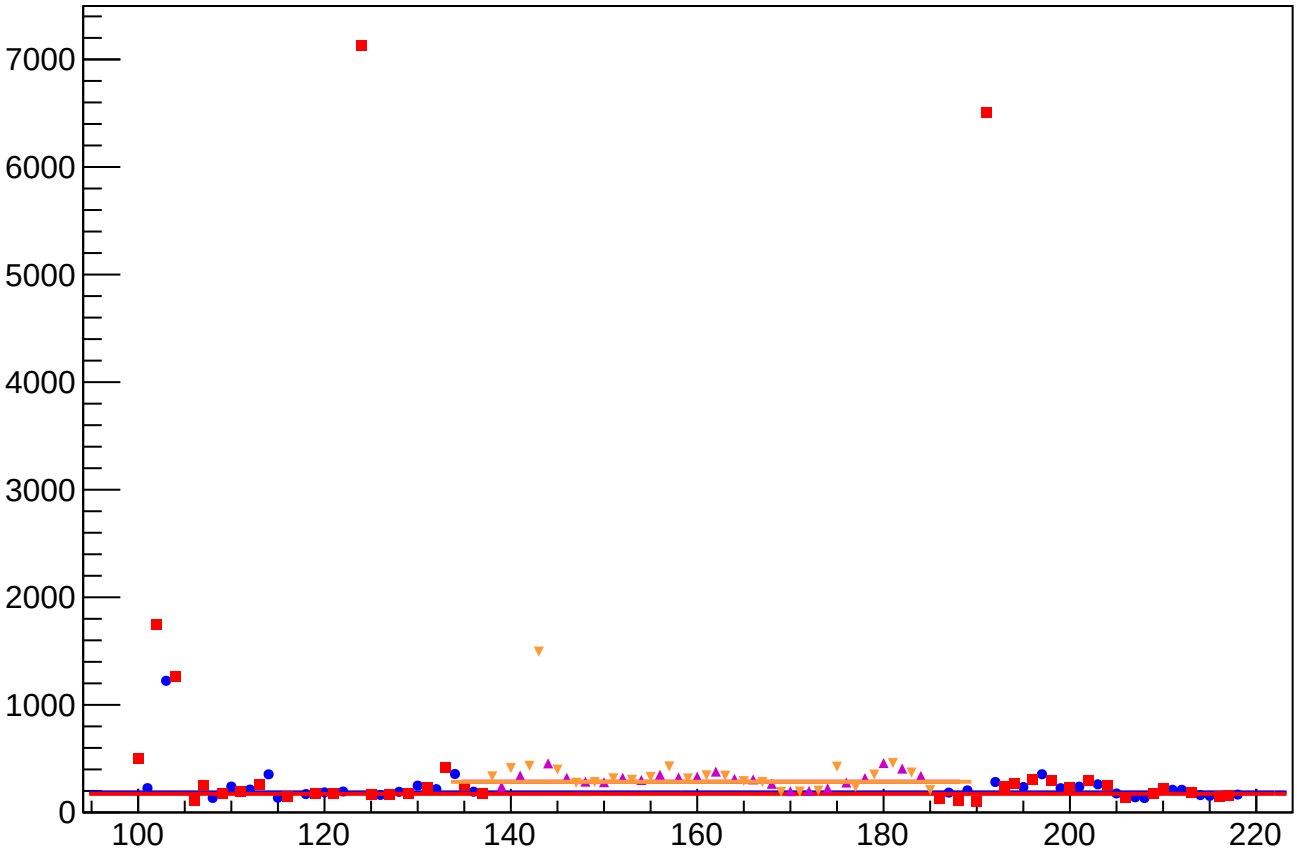
Right Out: -0.079+/-0.043 χ^2/NDF: 32.2/35

Left In: 0.091+/-0.070 χ^2/NDF:30.9/22

+ sign 0.017+/-0.038 χ^2/NDF: 61.0/56

All: -0.009+/-0.026 χ^2/NDF: 129.2/115

- sign -0.033+/-0.037 χ^2/NDF: 67.3/58



Right In: 186.854+/-0.032 χ^2/NDF: 2914302.9/31

Left Out: 285.036+/-0.049 χ^2/NDF:3407001.6/24

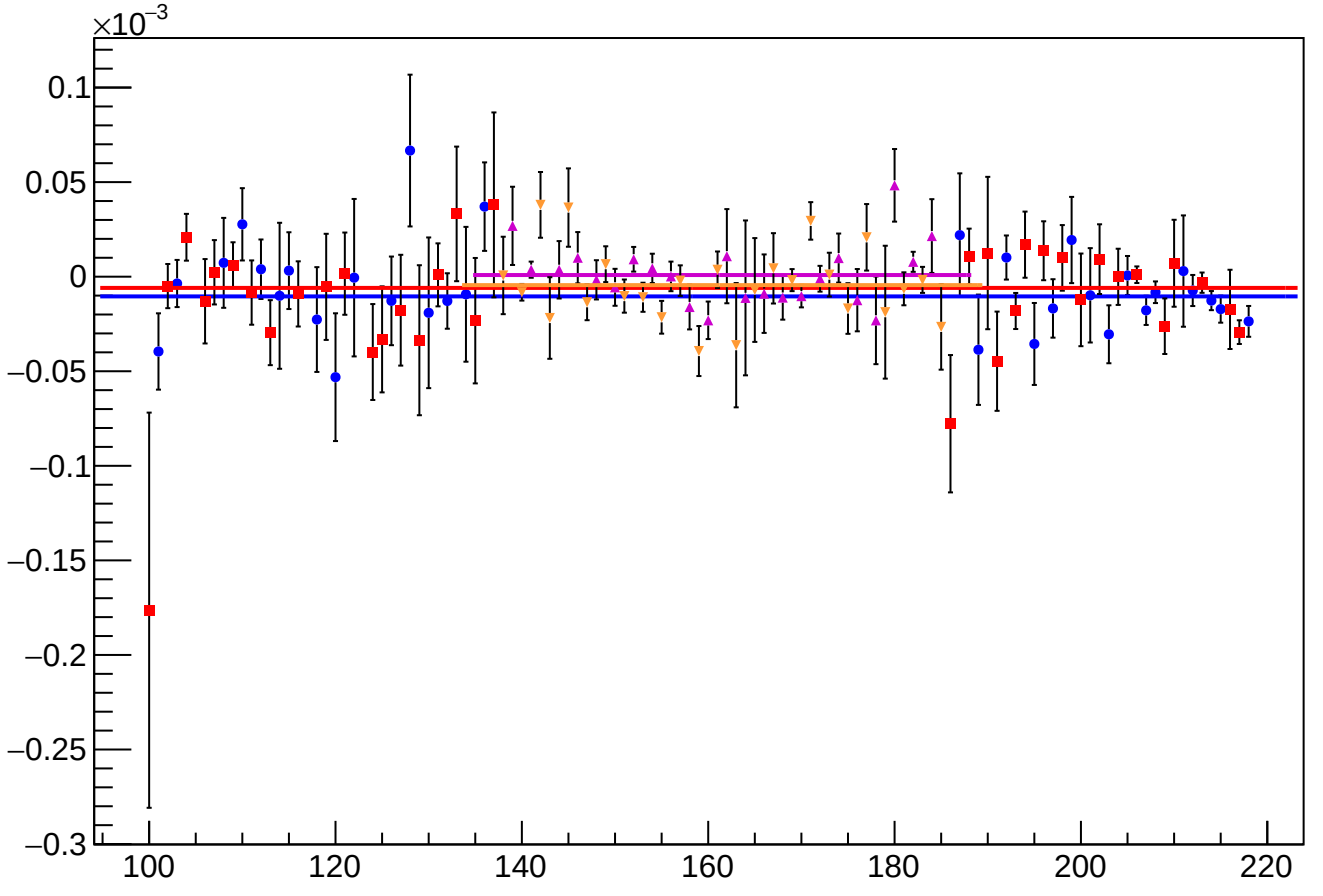
Right Out: 172.953+/-0.030 χ^2/NDF: 5512154.5/35

Left In: 285.869+/-0.050 χ^2/NDF:1744706.1/22

+ sign 215.440+/-0.027 χ^2/NDF: 9124665.0/56

All: 209.265+/-0.019 χ^2/NDF: 20240040.8/11

- sign 203.440+/-0.026 χ^2/NDF: 11010950.6/58



Right In: -0.000+/-0.000 χ^2/NDF: 34.2/31

Left Out: -0.000+/-0.000 χ^2/NDF:43.9/24

Right Out: -0.000+/-0.000 χ^2/NDF: 50.1/35

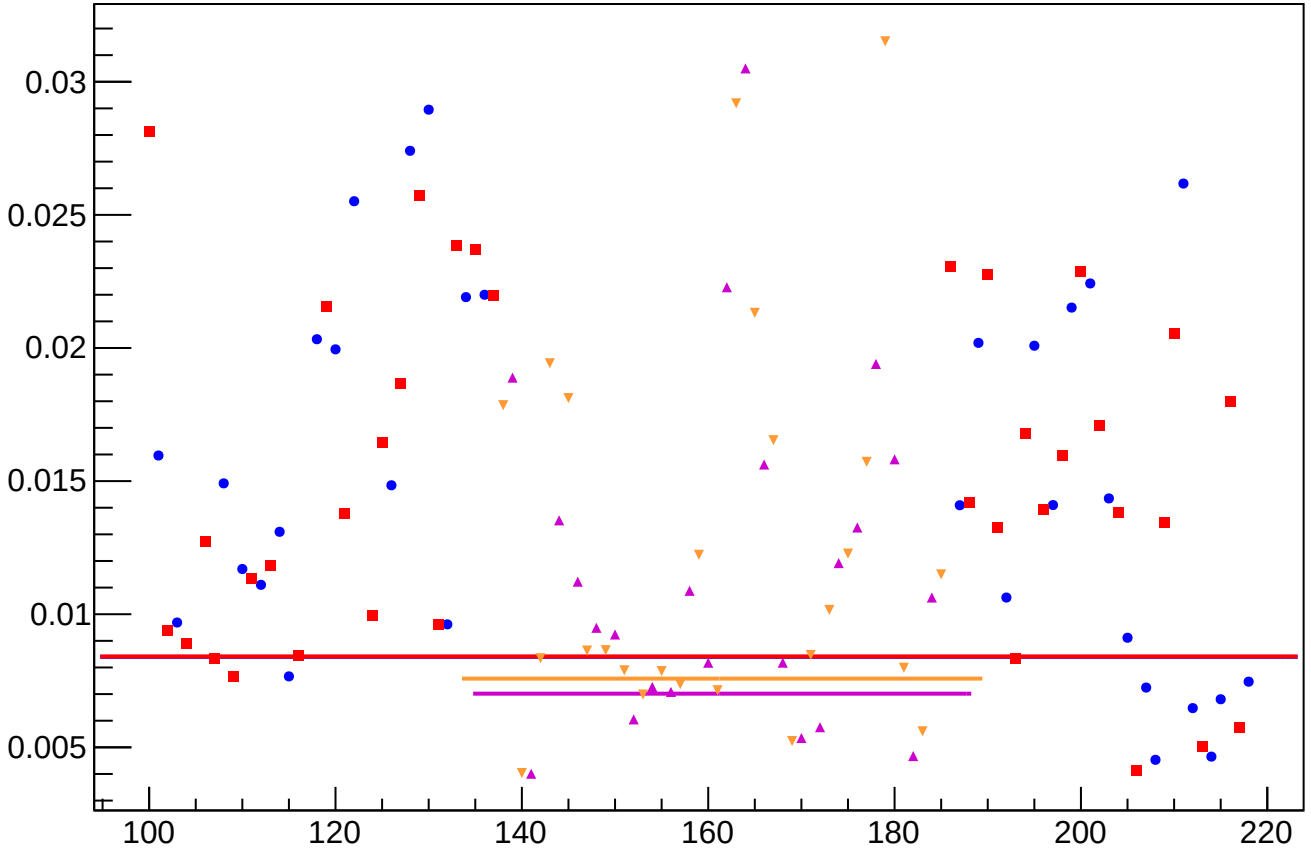
Left In: 0.000+/-0.000 χ^2/NDF:29.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 82.1/56

All: -0.000+/-0.000 χ^2/NDF: 172.6/115

- sign -0.000+/-0.000 χ^2/NDF: 84.6/58

asym_atl1r2_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF: 9598006.3/31

Left Out: 0.008+/-0.000 χ^2/NDF:7351454.7/24

Right Out: 0.008+/-0.000 χ^2/NDF: 10348683.3/35

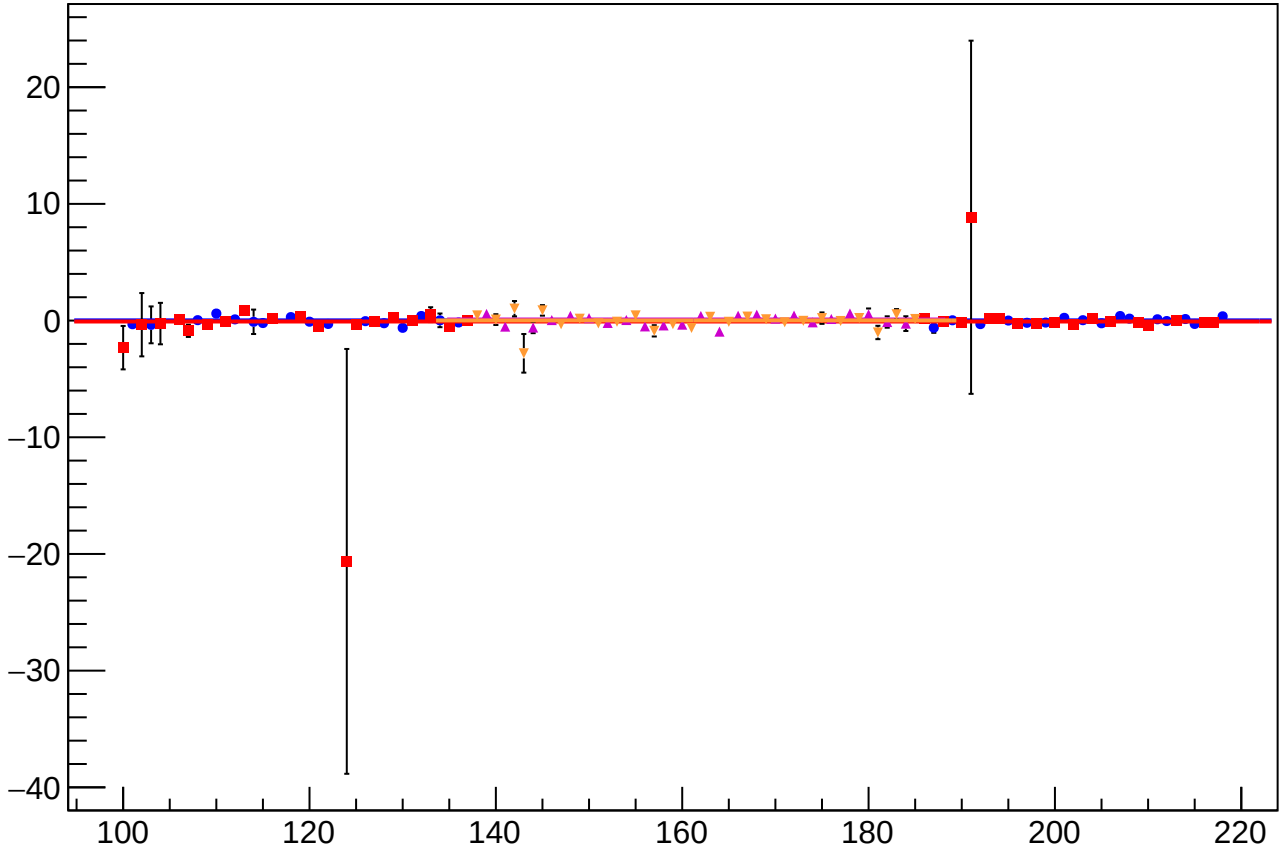
Left In: 0.007+/-0.000 χ^2/NDF:6740679.5/22

+ sign 0.008+/-0.000 χ^2/NDF: 17101583.9/56

All: 0.008+/-0.000 χ^2/NDF: 34703656.4/115

- sign 0.008+/-0.000 χ^2/NDF: 17552886.7/58

asym_atl1r2_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.018+/-0.045 χ^2/NDF: 32.7/31

Left Out: 0.014+/-0.070 χ^2/NDF:28.3/24

Right Out: -0.079+/-0.043 χ^2/NDF: 32.2/35

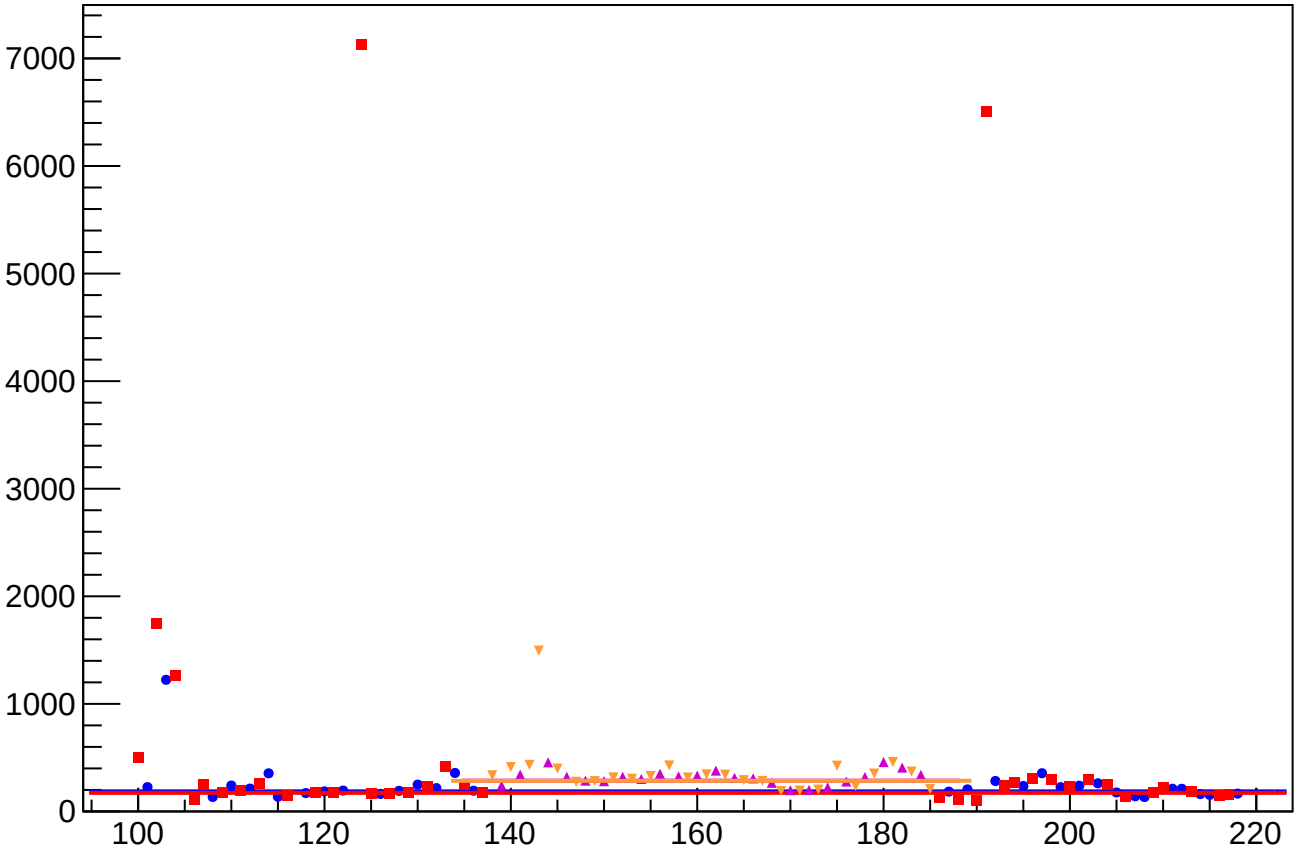
Left In: 0.091+/-0.070 χ^2/NDF:30.9/22

+ sign 0.017+/-0.038 χ^2/NDF: 61.0/56

All: -0.009+/-0.026 χ^2/NDF: 129.2/115

- sign -0.033+/-0.037 χ^2/NDF: 67.3/58

asym_atl1r2_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 186.853+/-0.032 χ^2/NDF: 2914318.6/31

Left Out: 285.039+/-0.049 χ^2/NDF:3407037.3/24

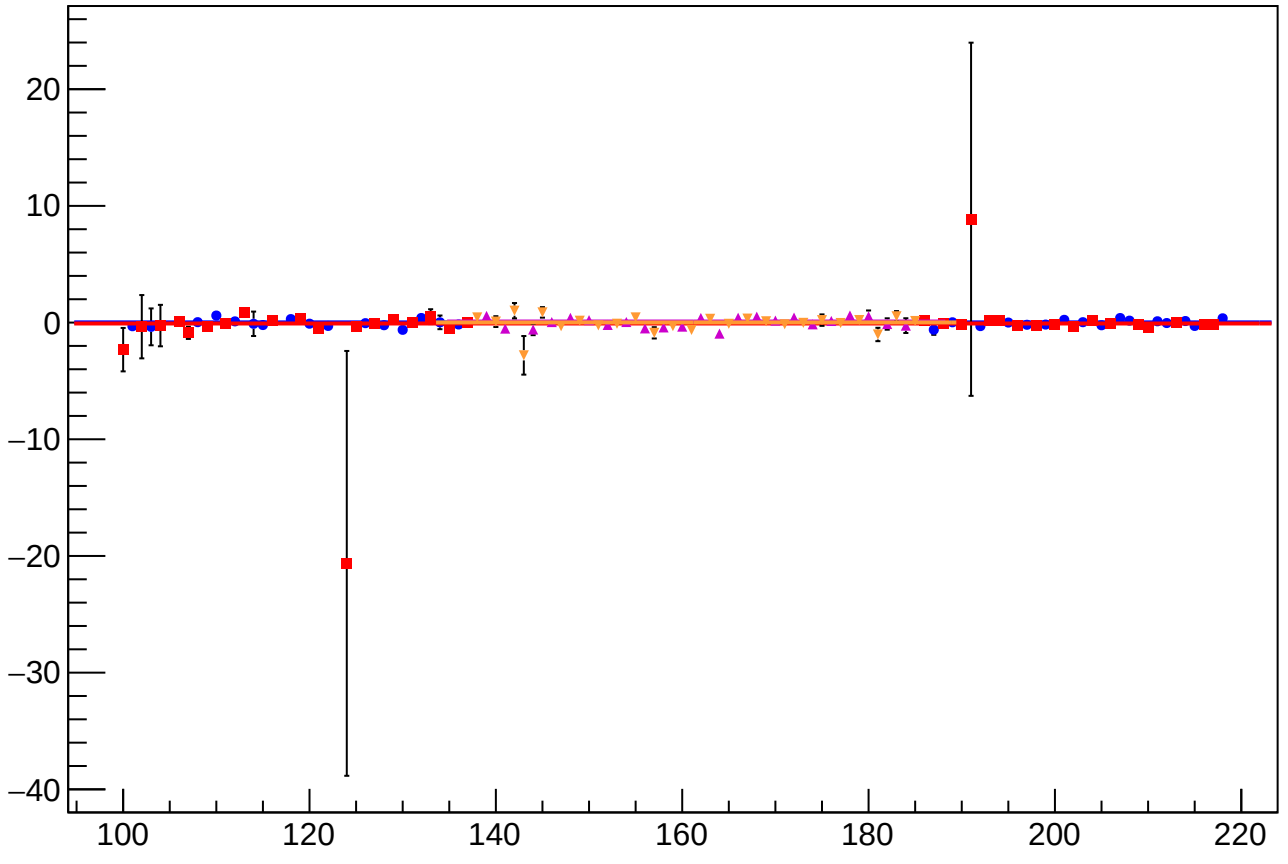
Right Out: 172.951+/-0.030 χ^2/NDF: 5512287.5/35

Left In: 285.871+/-0.050 χ^2/NDF:1744743.9/22

+ sign 215.440+/-0.027 χ^2/NDF: 9124896.5/56

All: 209.264+/-0.019 χ^2/NDF: 20240741.9/11

- sign 203.438+/-0.026 χ^2/NDF: 11011398.8/58



Right In: 0.018+/-0.045 χ^2/NDF: 32.7/31

Left Out: 0.014+/-0.070 χ^2/NDF:28.3/24

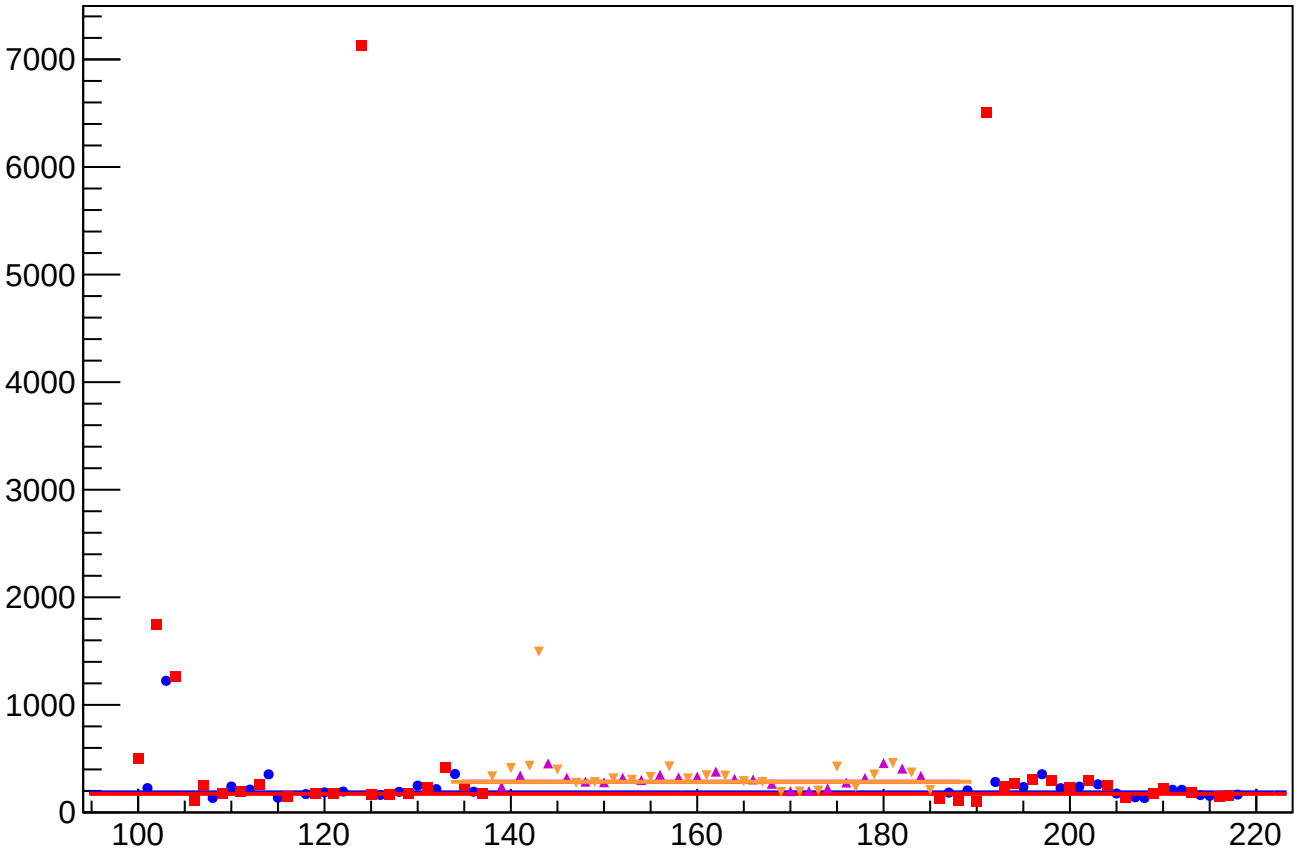
Right Out: -0.079+/-0.043 χ^2/NDF: 32.2/35

Left In: 0.091+/-0.070 χ^2/NDF:30.9/22

+ sign 0.017+/-0.038 χ^2/NDF: 61.0/56

All: -0.009+/-0.026 χ^2/NDF: 129.2/115

- sign -0.033+/-0.037 χ^2/NDF: 67.3/58



Right In: 186.853+/-0.032 χ^2/NDF: 2914318.6/31

Left Out: 285.039+/-0.049 χ^2/NDF:3407037.3/24

Right Out: 172.951+/-0.030 χ^2/NDF: 5512287.5/35

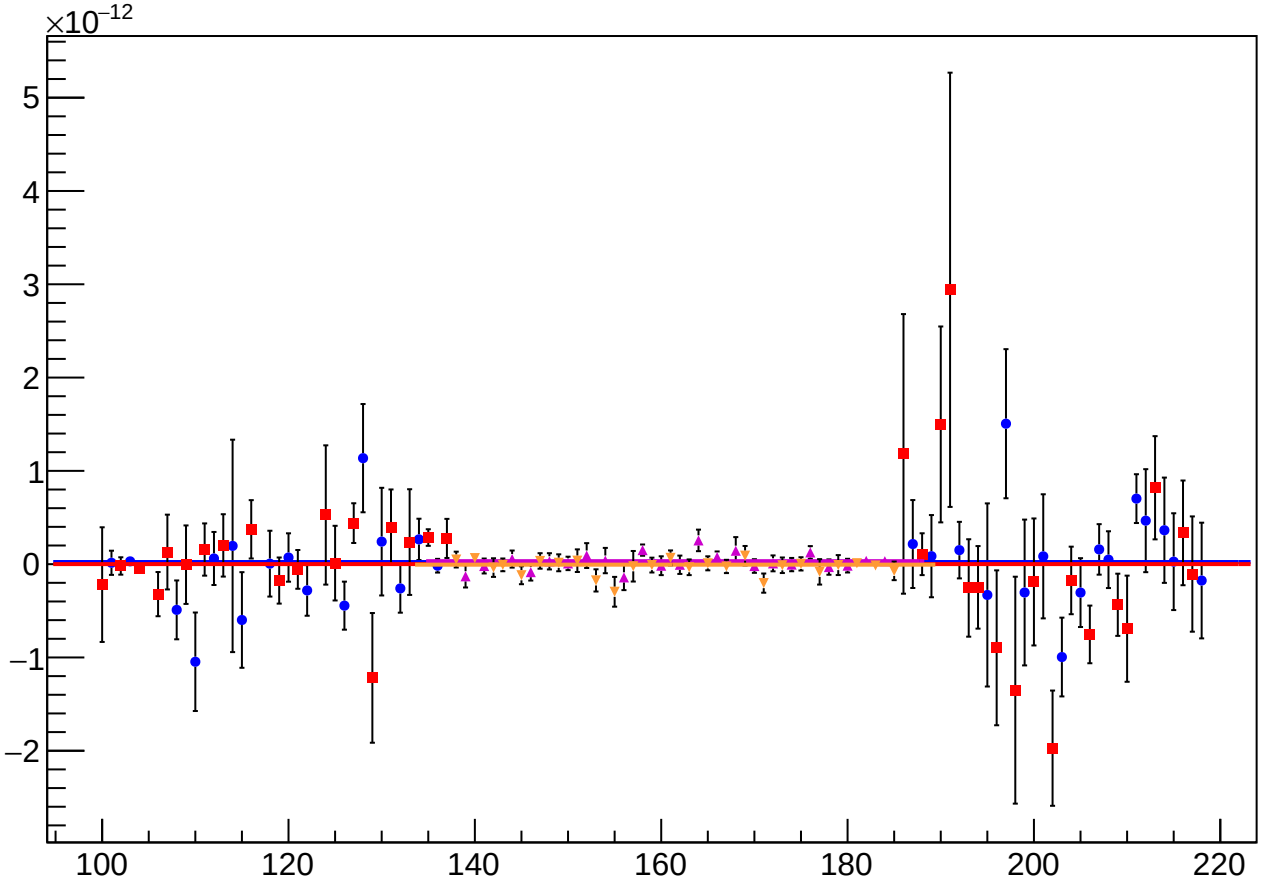
Left In: 285.871+/-0.050 χ^2/NDF:1744743.9/22

+ sign 215.440+/-0.027 χ^2/NDF: 9124896.5/56

All: 209.264+/-0.019 χ^2/NDF: 20240741.9/11

- sign 203.438+/-0.026 χ^2/NDF: 11011398.8/58

asym_atl1r2_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 38.3/31

Left Out: -0.000+/-0.000 χ^2/NDF:16.6/24

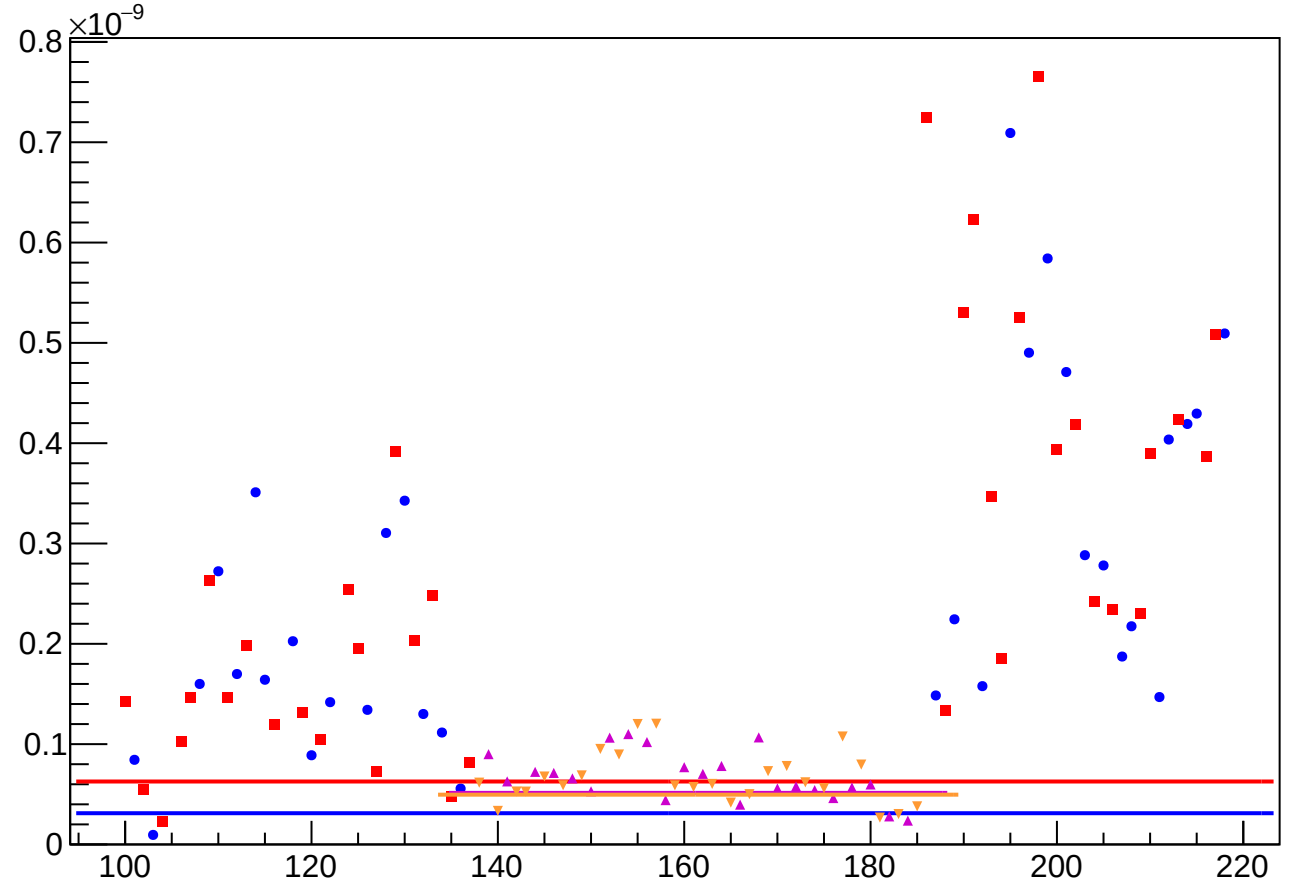
Right Out: 0.000+/-0.000 χ^2/NDF: 57.1/35

Left In: 0.000+/-0.000 χ^2/NDF:18.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 56.1/56

All: 0.000+/-0.000 χ^2/NDF: 134.0/115

- sign 0.000+/-0.000 χ^2/NDF: 76.7/58



Right In: 0.000+/-0.000 χ^2/NDF: 18787540.2/31

Left Out: 0.000+/-0.000 χ^2/NDF:3882649.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 13825098.6/35

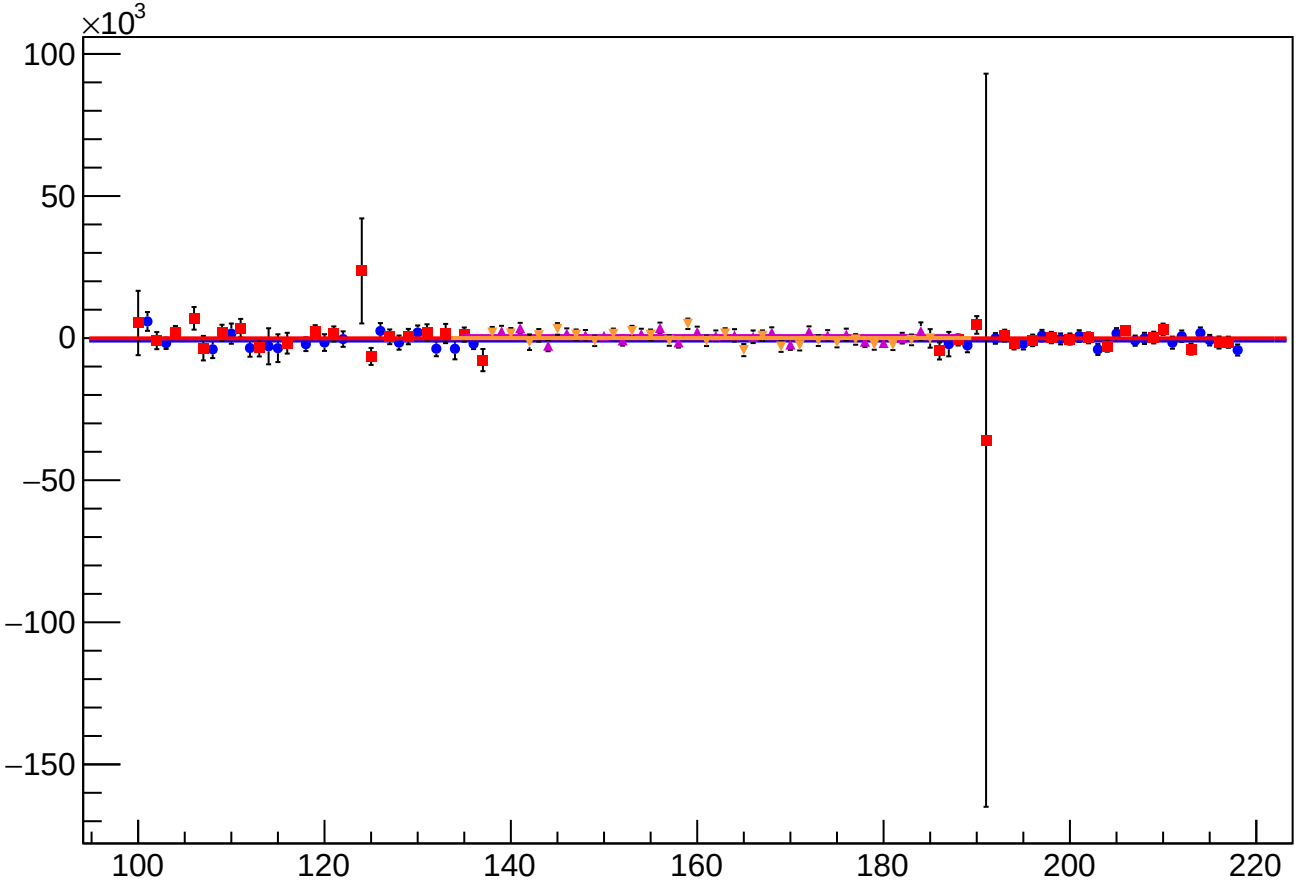
Left In: 0.000+/-0.000 χ^2/NDF:3659712.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 23745702.1/56

All: 0.000+/-0.000 χ^2/NDF: 42140660.1/115

- sign 0.000+/-0.000 χ^2/NDF: 17707356.8/58

reg_asym_atl1r2_dd_mean vs Slug



Right In: -851.616+/-409.334 χ^2/NDF: 24.7/31

Left Out: 23.114+/-387.732 χ^2/NDF:29.5/24

Right Out: -76.574+/-413.837 χ^2/NDF: 38.8/35

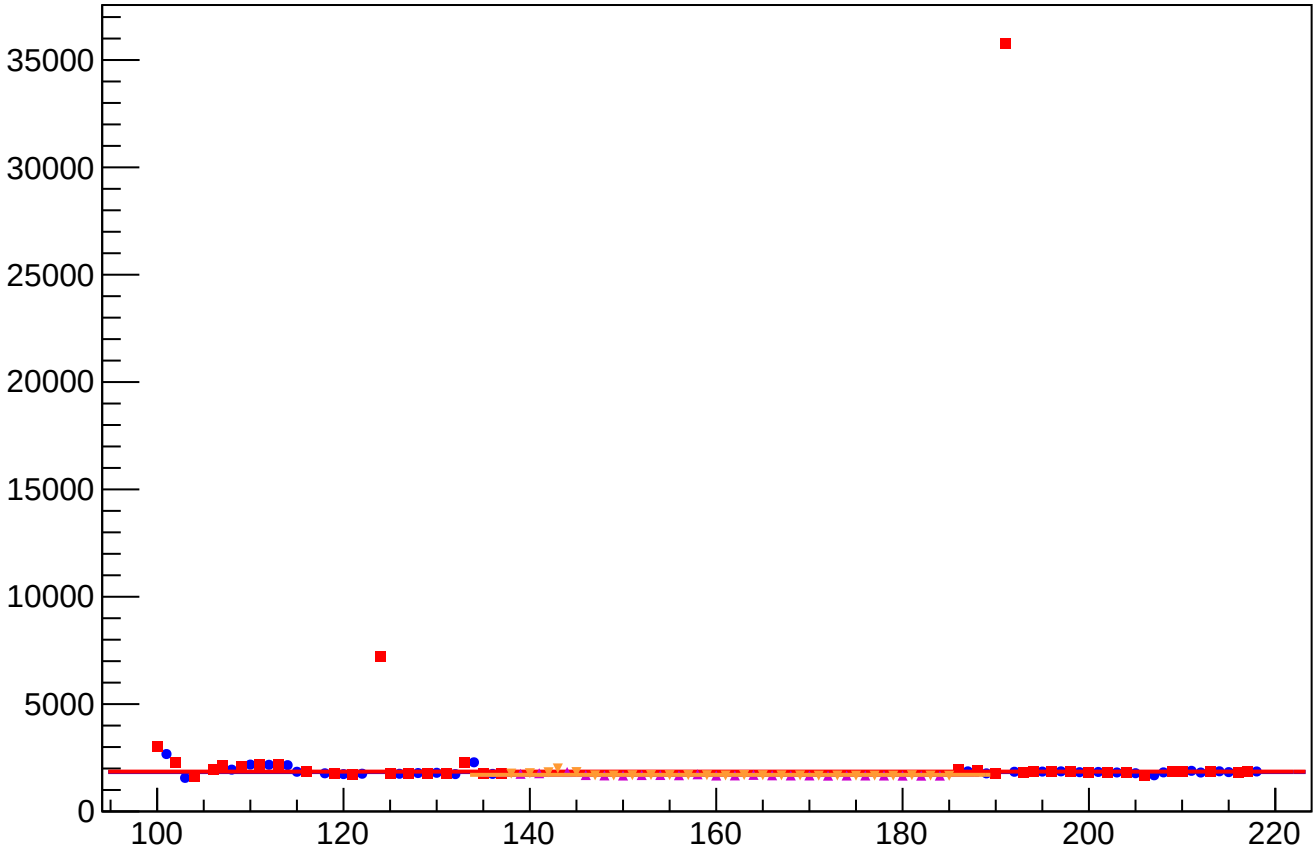
Left In: 719.504+/-396.449 χ^2/NDF:19.1/22

+ sign -390.562+/-281.495 χ^2/NDF: 56.6/56

All: -32.157+/-200.718 χ^2/NDF: 119.7/115

- sign 338.540+/-286.282 χ^2/NDF: 59.8/58

reg_asym_atl1r2_dd_rms vs Slug



Right In: 1834.029+/-0.289 χ^2/NDF: 281995.9/31

Left Out: 1705.634+/-0.274 χ^2/NDF:59928.6/24

Right Out: 1855.718+/-0.292 χ^2/NDF: 536638.6/35

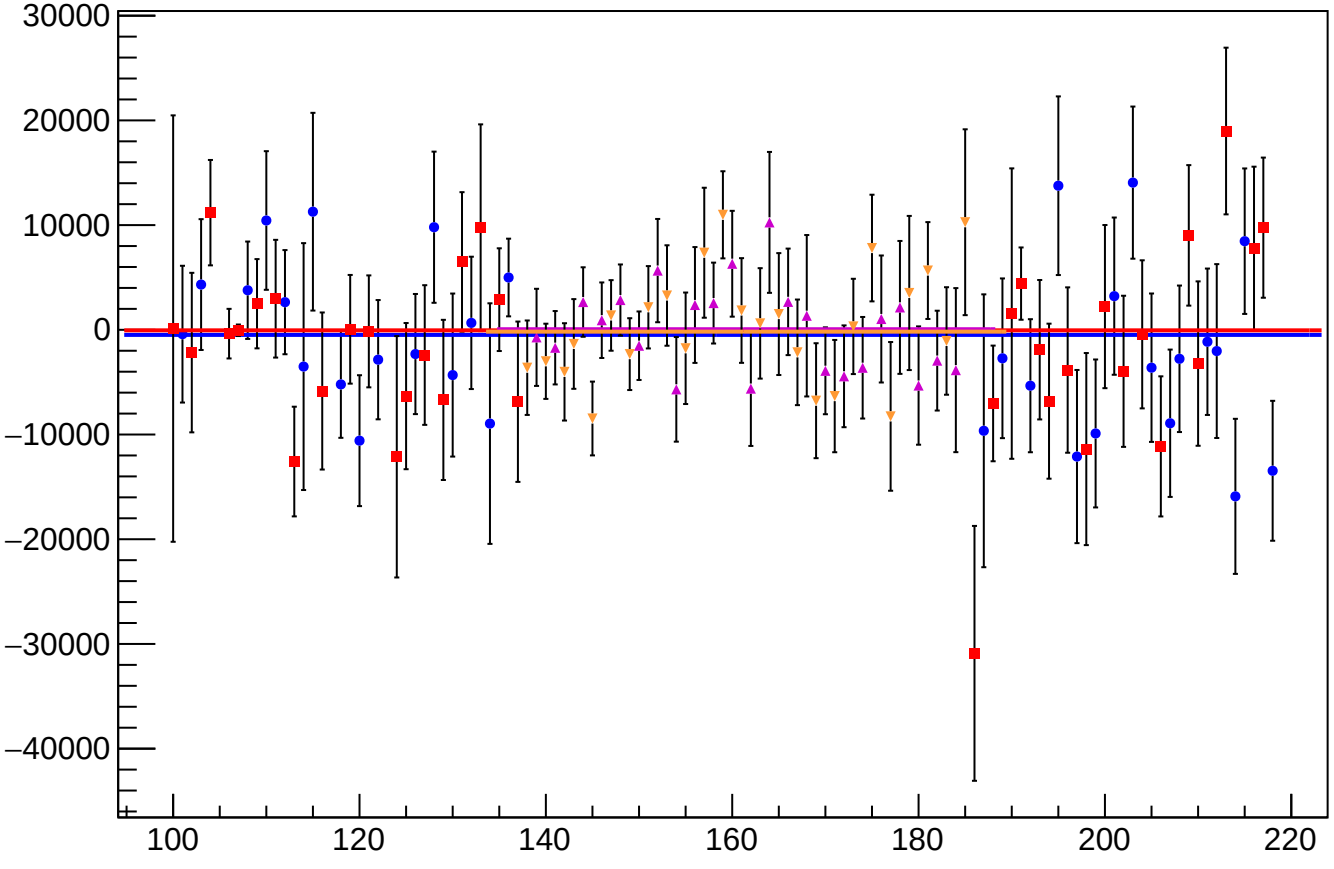
Left In: 1697.514+/-0.280 χ^2/NDF:21146.9/22

+ sign 1766.354+/-0.199 χ^2/NDF: 445639.7/56

All: 1769.763+/-0.142 χ^2/NDF: 1156560.5/11

- sign 1773.286+/-0.202 χ^2/NDF: 710324.4/58

asym_atl1r2_dd_reg_correction_mean vs Slug



Right In: -485.350+/-1168.002 χ^2/NDF: 38.5/31

Left Out: -175.777+/-935.141 χ^2/NDF:27.9/24

Right Out: -49.881+/-483.437 χ^2/NDF: 44.3/35

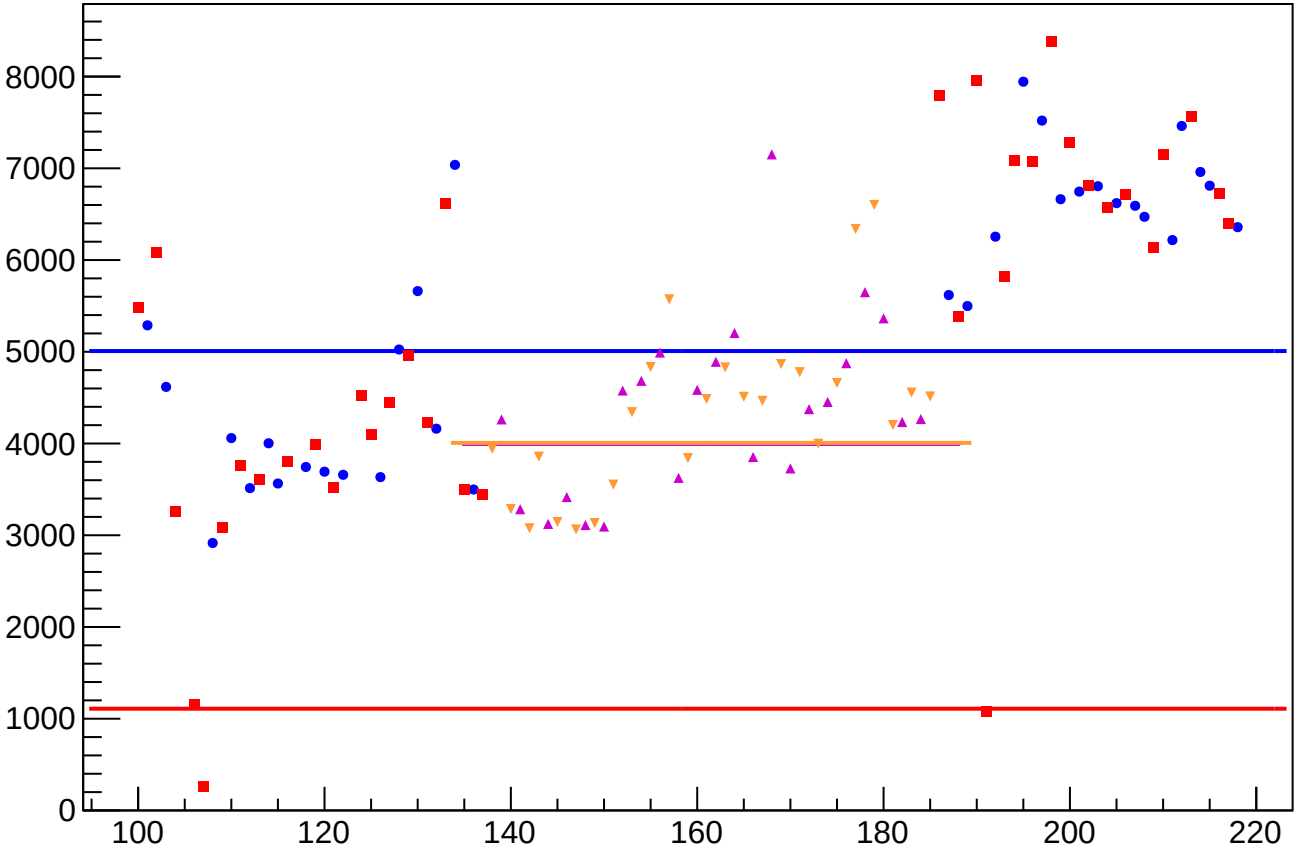
Left In: 56.448+/-956.389 χ^2/NDF:14.3/22

\+ sign -296.703+/-729.997 χ^2/NDF: 66.4/56

All: -97.742+/-371.427 χ^2/NDF: 125.1/115

\- sign -28.242+/-431.449 χ^2/NDF: 58.6/58

asym_atl1r2_dd_reg_correction_rms vs Slug



Right In: 5007.934+/-0.826 χ^2/NDF: 3314028.9/31

Left Out: 4006.998+/-0.661 χ^2/NDF:1503677.6/24

Right Out: 1109.140+/-0.342 χ^2/NDF: 29899628.1/35

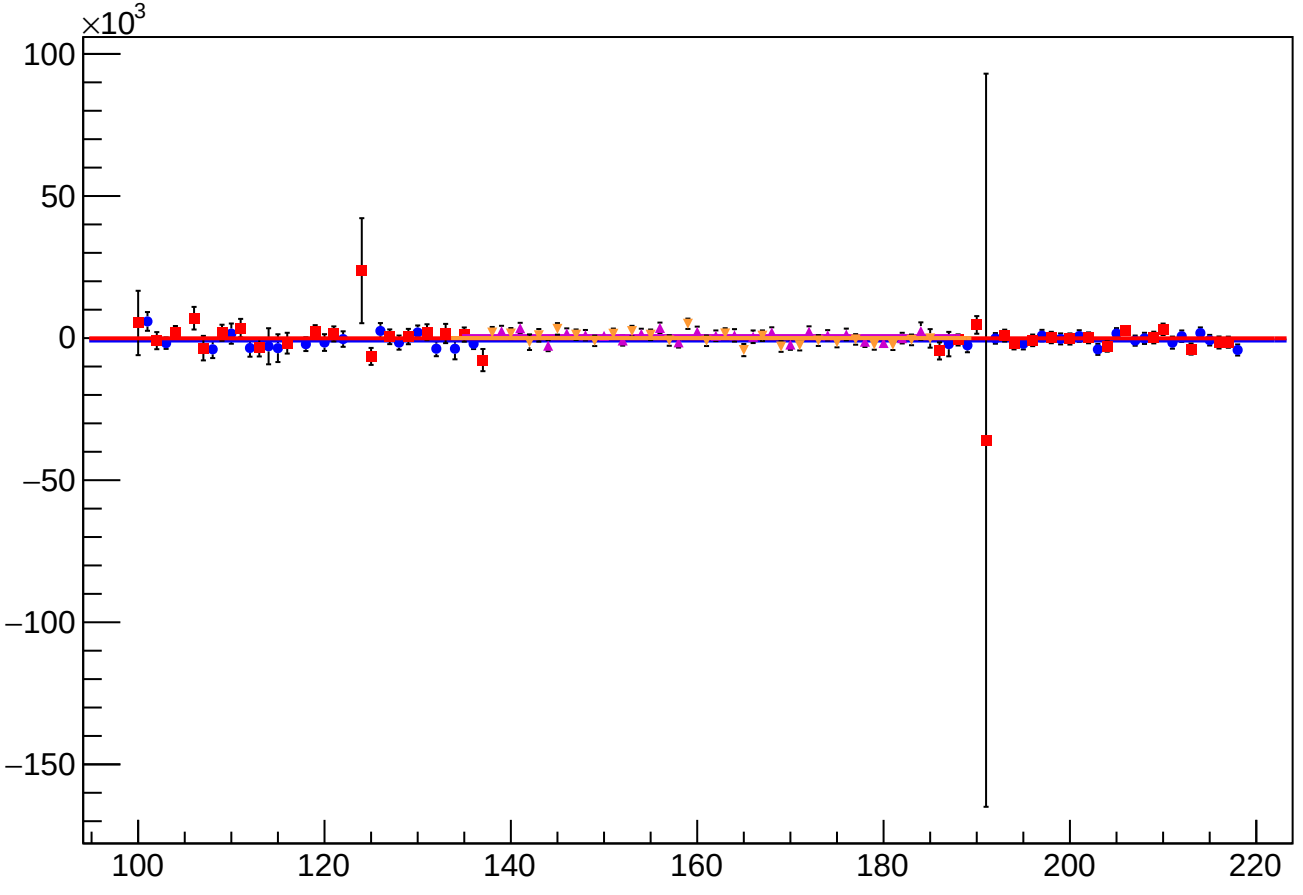
Left In: 3994.974+/-0.676 χ^2/NDF:1538115.4/22

+ sign 4397.984+/-0.516 χ^2/NDF: 5712748.7/56

All: 2395.825+/-0.263 χ^2/NDF: 71954428.3/1

- sign 1696.442+/-0.305 χ^2/NDF: 45941586.4/58

cor_asym_atl1r2_dd_mean vs Slug



Right In: -851.465+/-409.334 χ^2/NDF: 24.7/31

Left Out: 23.186+/-387.732 χ^2/NDF:29.5/24

Right Out: -76.431+/-413.837 χ^2/NDF: 38.9/35

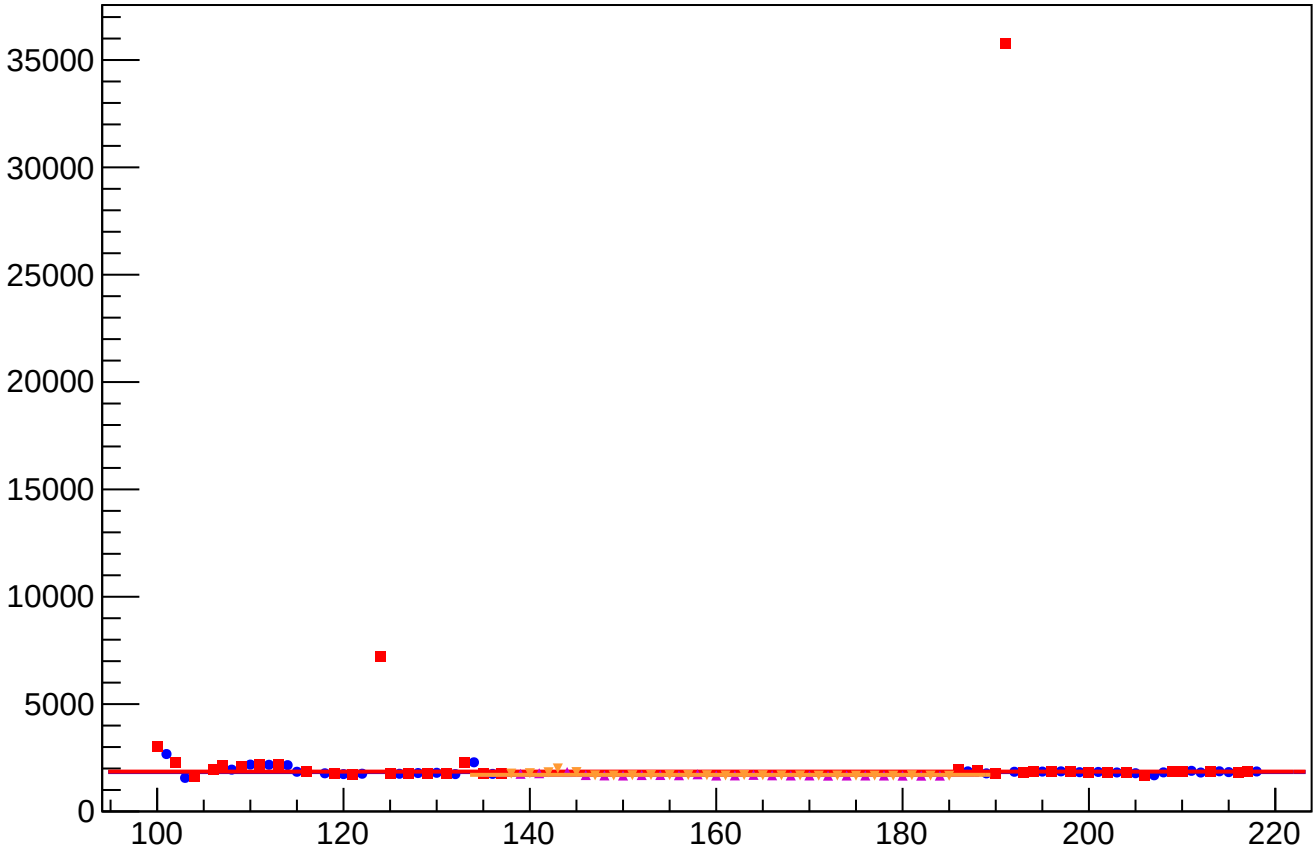
Left In: 719.380+/-396.449 χ^2/NDF:19.1/22

\+ sign -390.452+/-281.495 χ^2/NDF: 56.6/56

All: -32.099+/-200.718 χ^2/NDF: 119.7/115

\- sign 338.544+/-286.282 χ^2/NDF: 59.9/58

cor_asym_atl1r2_dd_rms vs Slug



Right In: 1834.029+/-0.289 χ^2/NDF: 281995.1/31

Left Out: 1705.635+/-0.274 χ^2/NDF:59928.6/24

Right Out: 1855.871+/-0.292 χ^2/NDF: 536981.7/35

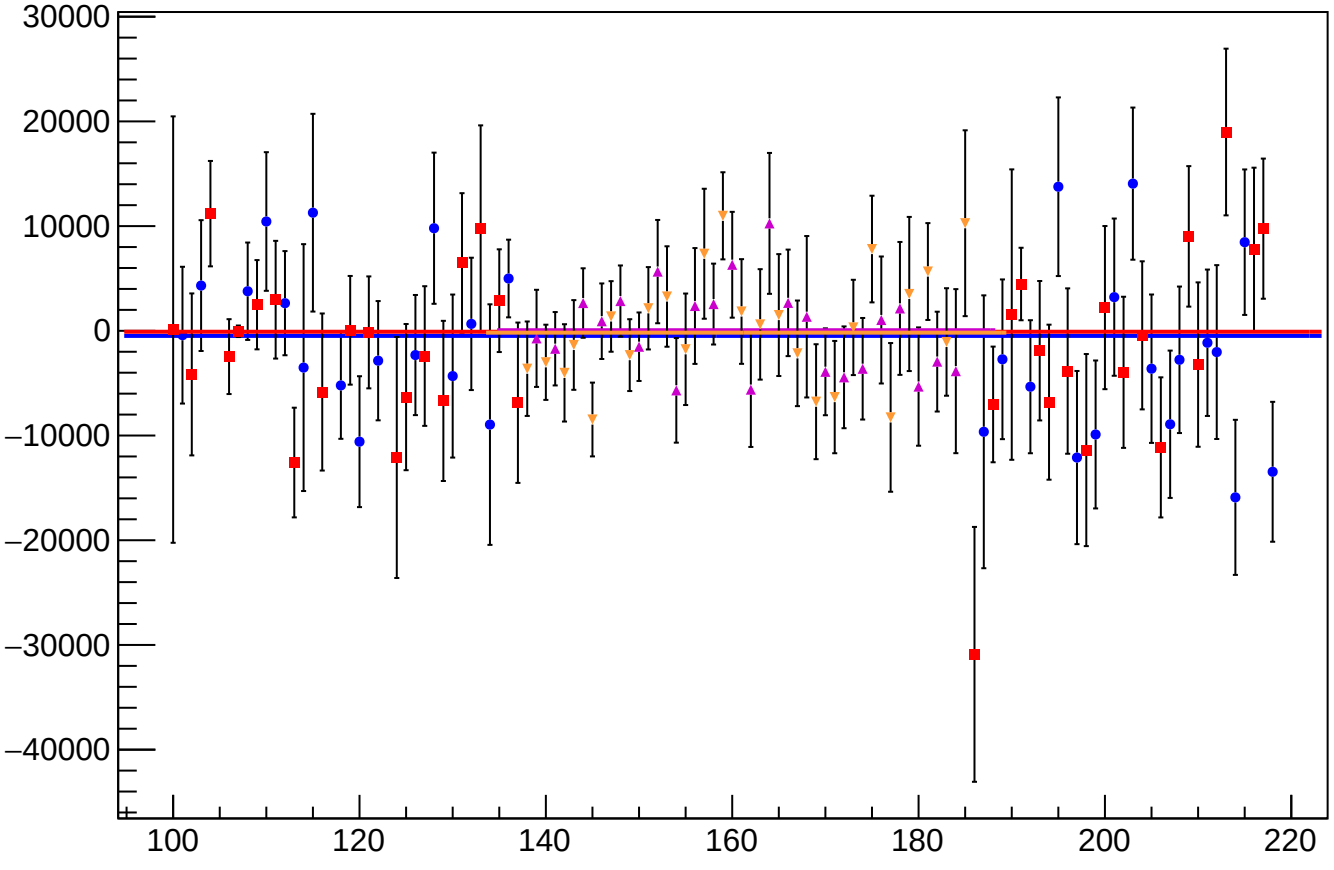
Left In: 1697.514+/-0.280 χ^2/NDF:21146.9/22

+ sign 1766.355+/-0.199 χ^2/NDF: 445639.1/56

All: 1769.796+/-0.142 χ^2/NDF: 1157196.5/11

- sign 1773.353+/-0.202 χ^2/NDF: 710949.5/58

asym_atl1r2_dd_cor_correction_mean vs Slug



Right In: -485.418+/-1168.005 χ^2/NDF: 38.5/31

Left Out: -175.755+/-935.140 χ^2/NDF:27.9/24

Right Out: -88.183+/-489.220 χ^2/NDF: 45.0/35

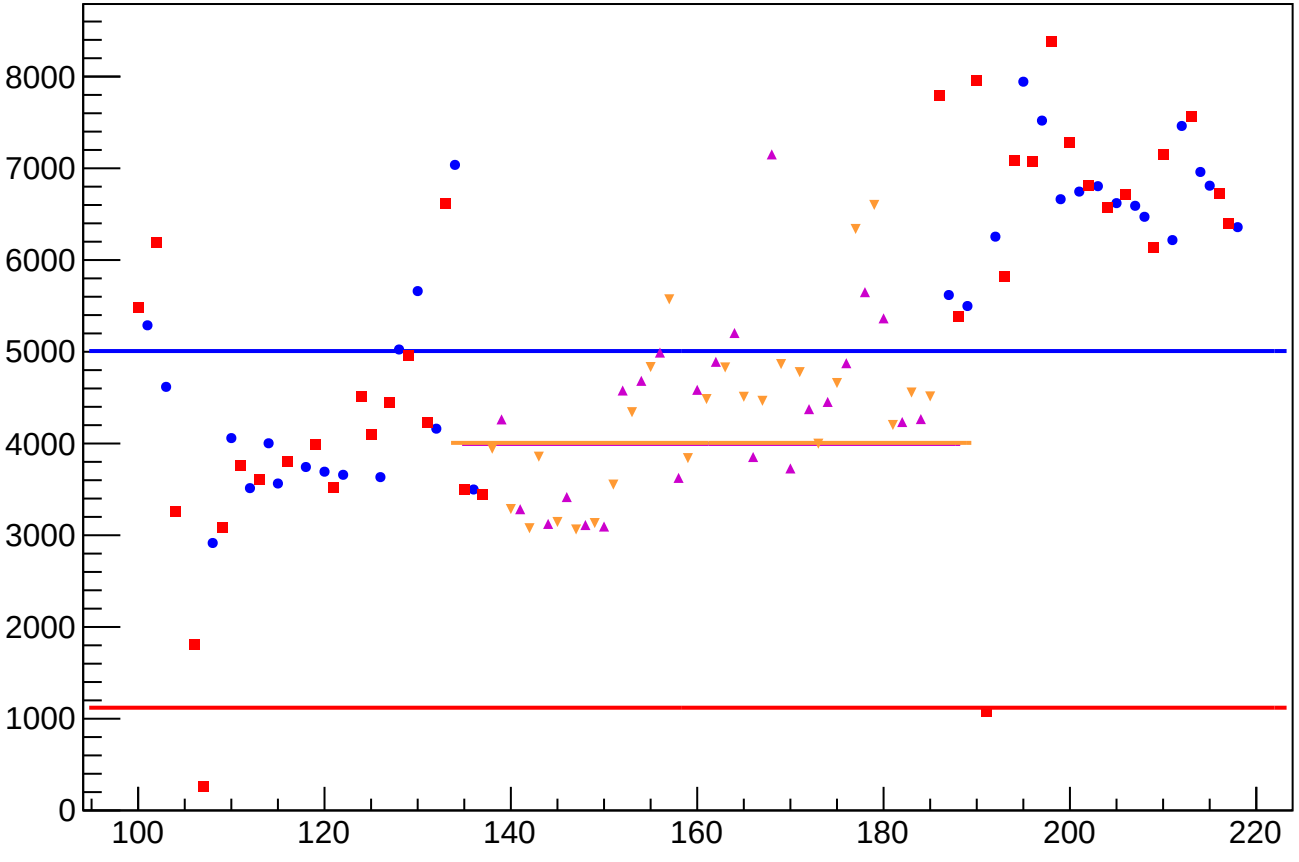
Left In: 56.377+/-956.388 χ^2/NDF:14.3/22

+ sign -296.715+/-729.997 χ^2/NDF: 66.4/56

All: -120.818+/-374.030 χ^2/NDF: 125.8/115

- sign -58.202+/-435.545 χ^2/NDF: 59.3/58

asym_atl1r2_dd_cor_correction_rms vs Slug



Right In: 5007.945+/-0.826 χ^2/NDF: 3314026.8/31

Left Out: 4006.990+/-0.661 χ^2/NDF:1503698.2/24

Right Out: 1120.049+/-0.346 χ^2/NDF: 29986763.8/35

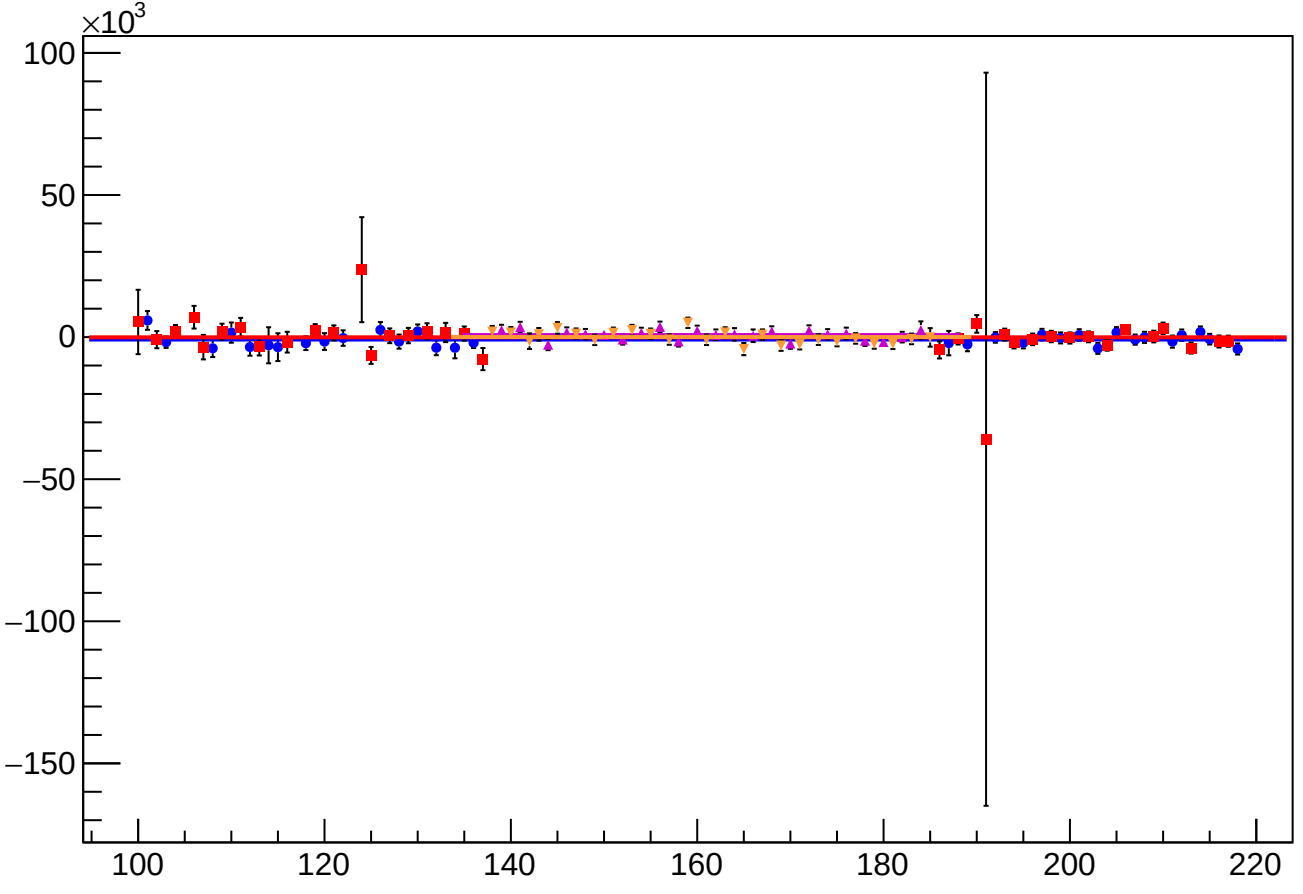
Left In: 3994.972+/-0.676 χ^2/NDF:1538098.4/22

+ sign 4397.982+/-0.516 χ^2/NDF: 5712798.5/56

All: 2420.302+/-0.264 χ^2/NDF: 71466449.6/1

- sign 1716.292+/-0.308 χ^2/NDF: 45849101.5/58

eigen_cor_asym_atl1r2_dd_mean vs Slug



Right In: -851.465+/-409.334 χ^2/NDF: 24.7/31

Left Out: 23.186+/-387.732 χ^2/NDF:29.5/24

Right Out: -76.431+/-413.837 χ^2/NDF: 38.9/35

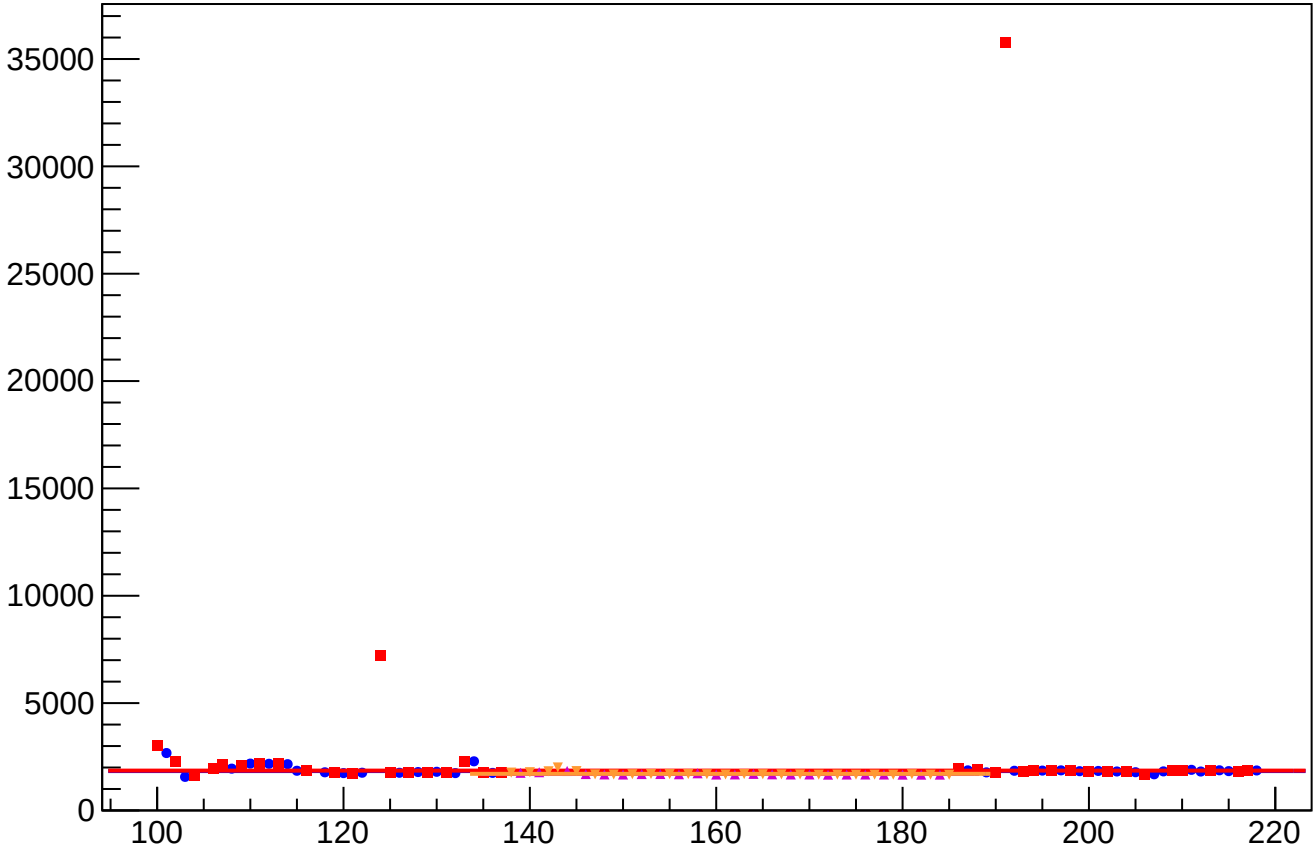
Left In: 719.380+/-396.449 χ^2/NDF:19.1/22

\+ sign -390.452+/-281.495 χ^2/NDF: 56.6/56

All: -32.099+/-200.718 χ^2/NDF: 119.7/115

\- sign 338.544+/-286.282 χ^2/NDF: 59.9/58

eigen_cor_asym_atl1r2_dd_rms vs Slug



Right In: 1834.029+/-0.289 χ^2/NDF: 281995.1/31

Left Out: 1705.635+/-0.274 χ^2/NDF:59928.6/24

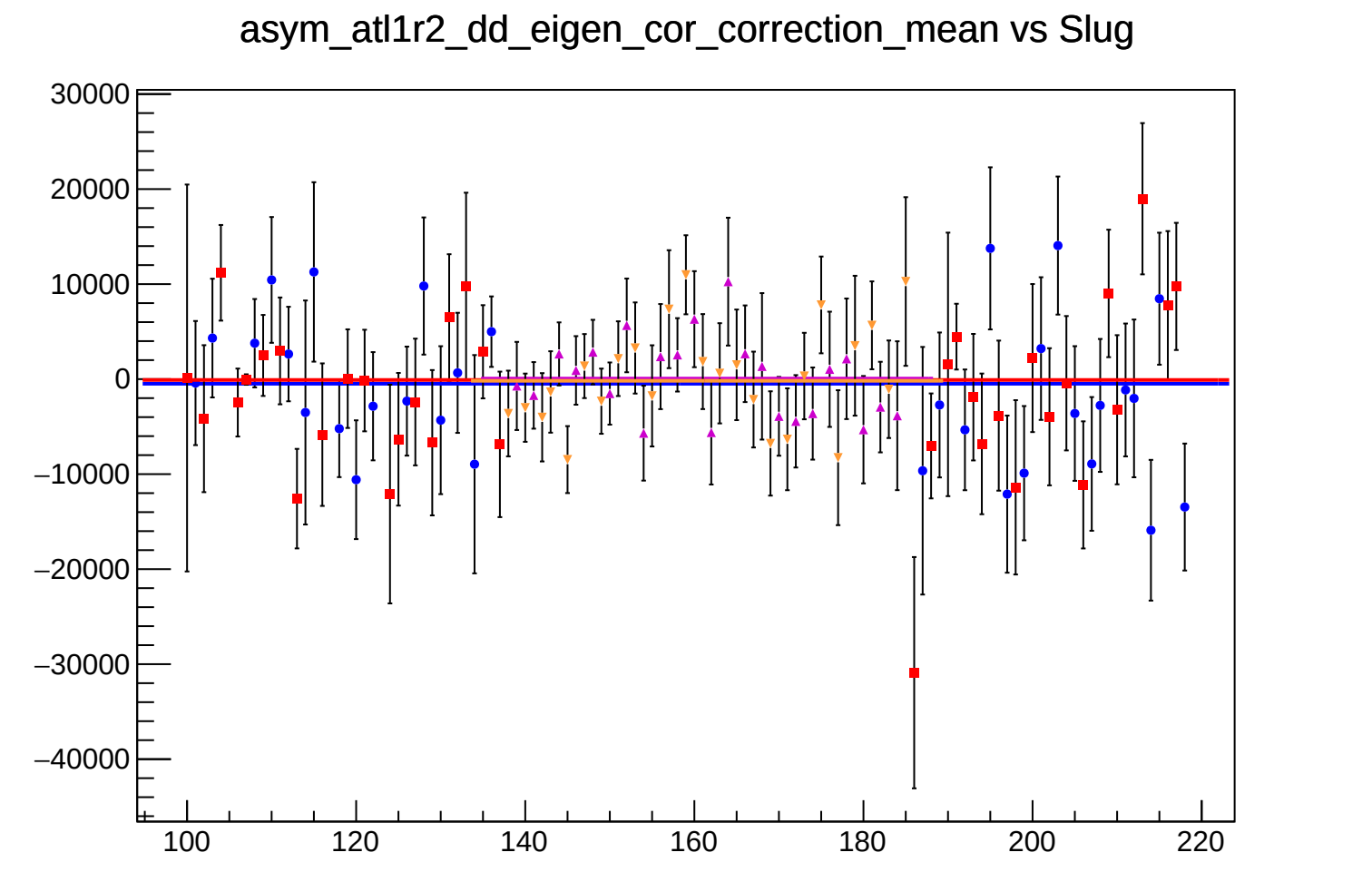
Right Out: 1855.871+/-0.292 χ^2/NDF: 536981.7/35

Left In: 1697.514+/-0.280 χ^2/NDF:21146.9/22

+ sign 1766.355+/-0.199 χ^2/NDF: 445639.1/56

All: 1769.796+/-0.142 χ^2/NDF: 1157196.5/11

- sign 1773.353+/-0.202 χ^2/NDF: 710949.5/58



Right In: -485.418+/-1168.005 χ^2/NDF: 38.5/31

Left Out: -175.755+/-935.140 χ^2/NDF:27.9/24

Right Out: -88.183+/-489.220 χ^2/NDF: 45.0/35

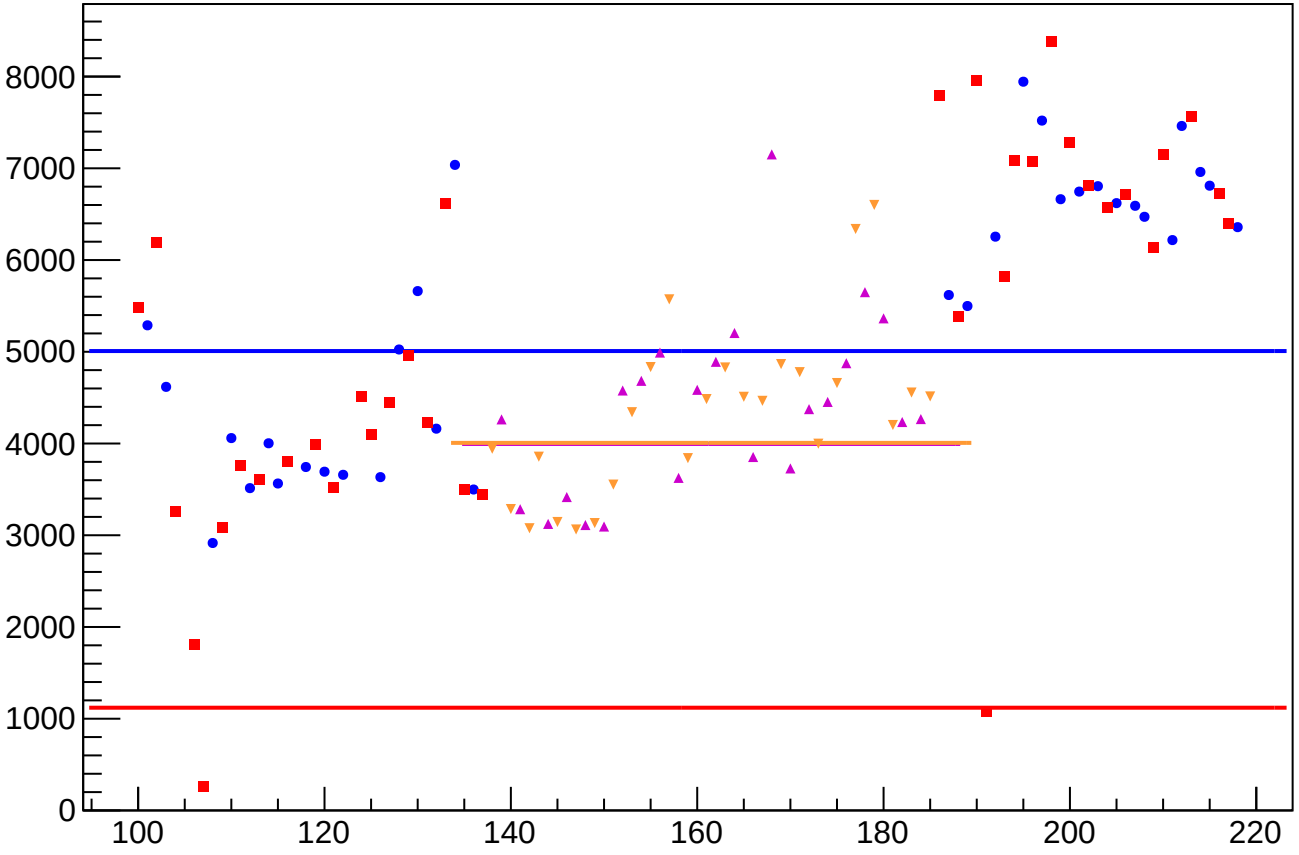
Left In: 56.377+/-956.388 χ^2/NDF:14.3/22

+ sign -296.715+/-729.997 χ^2/NDF: 66.4/56

All: -120.818+/-374.030 χ^2/NDF: 125.8/115

- sign -58.202+/-435.545 χ^2/NDF: 59.3/58

asym_atl1r2_dd_eigen_cor_correction_rms vs Slug



Right In: 5007.945+/-0.826 χ^2/NDF: 3314026.8/31

Left Out: 4006.990+/-0.661 χ^2/NDF:1503698.2/24

Right Out: 1120.049+/-0.346 χ^2/NDF: 29986763.8/35

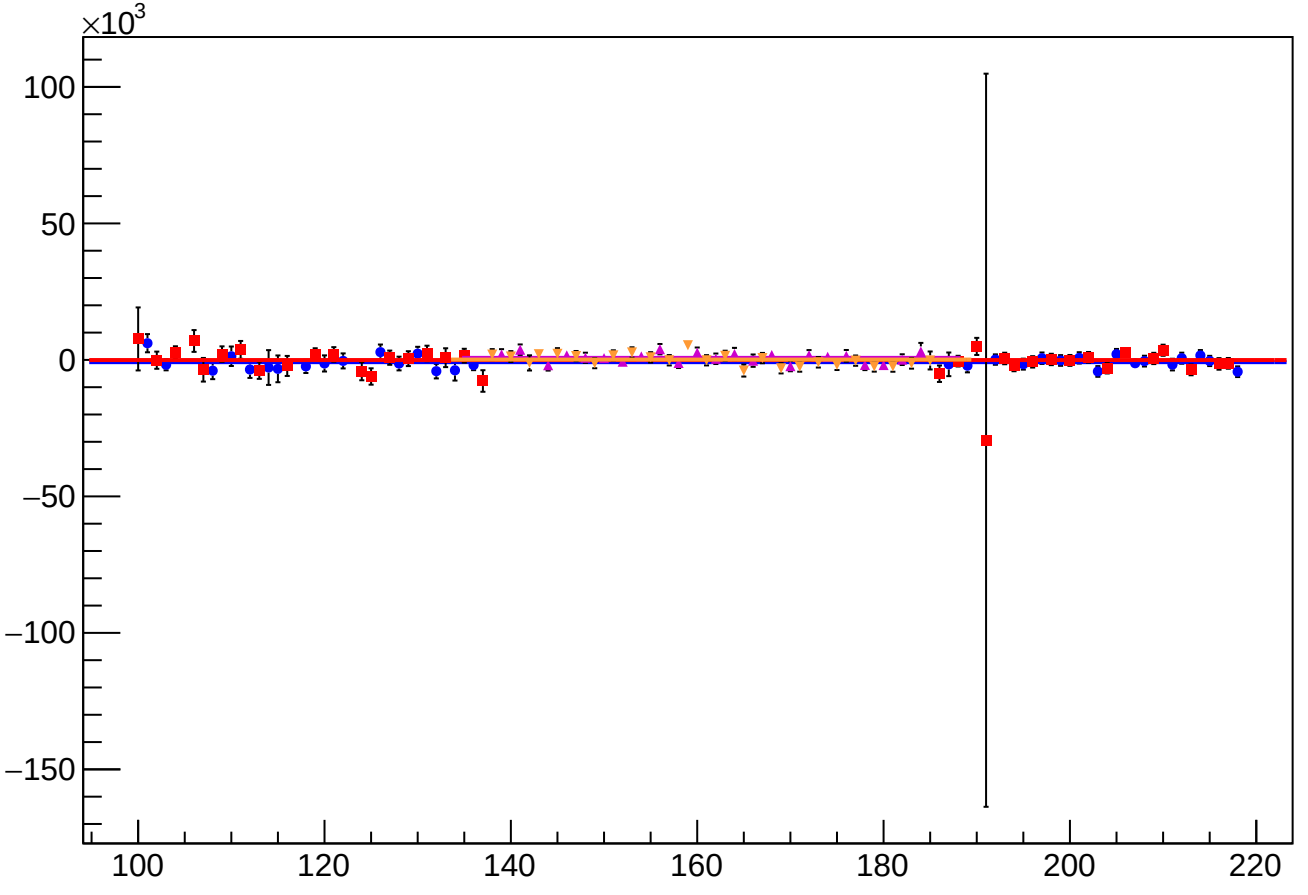
Left In: 3994.972+/-0.676 χ^2/NDF:1538098.4/22

+ sign 4397.982+/-0.516 χ^2/NDF: 5712798.5/56

All: 2420.302+/-0.264 χ^2/NDF: 71466449.6/1

- sign 1716.292+/-0.308 χ^2/NDF: 45849101.5/58

dit_asym_atl1r2_dd_mean vs Slug



Right In: -824.236+/-413.211 χ^2/NDF: 26.0/31

Left Out: 119.959+/-389.458 χ^2/NDF:29.7/24

Right Out: -54.315+/-415.486 χ^2/NDF: 40.2/35

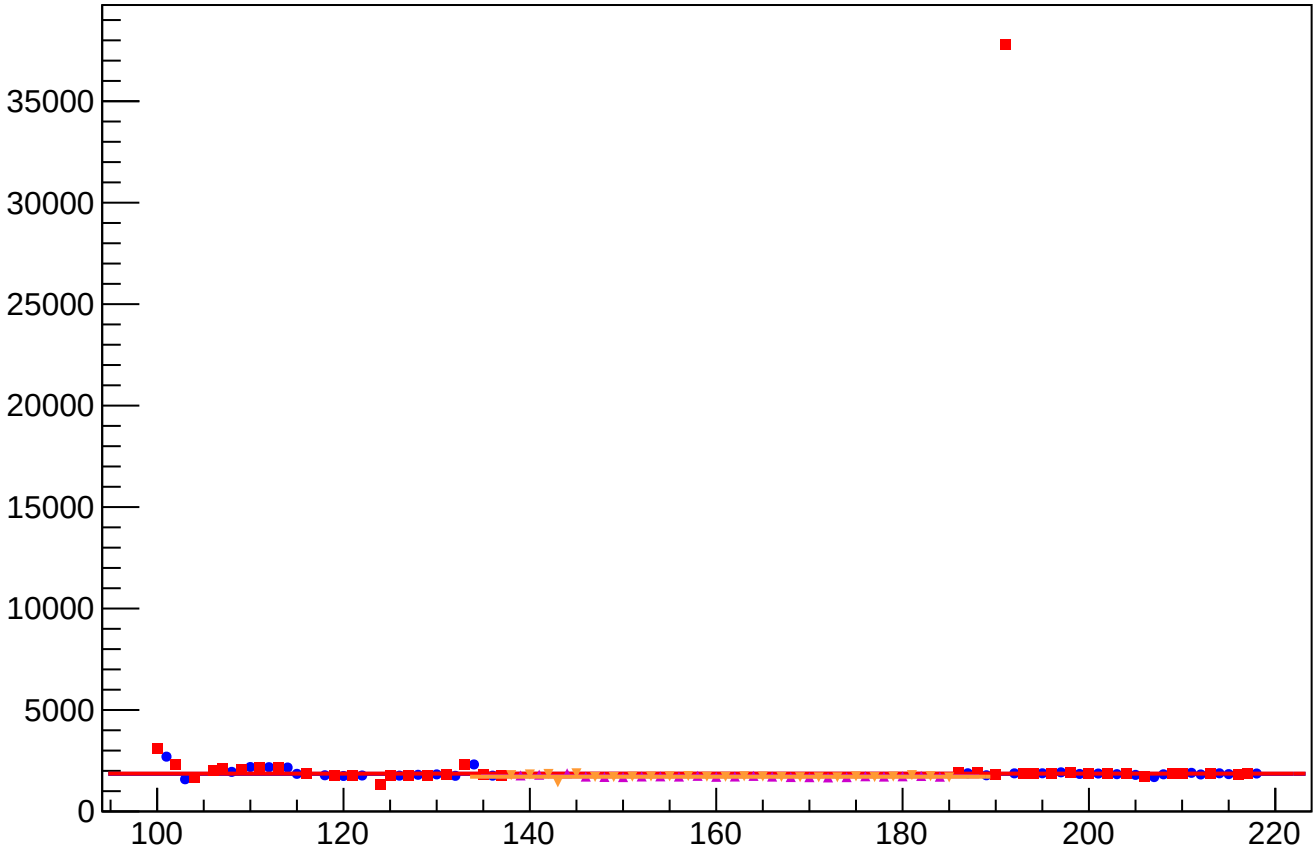
Left In: 741.191+/-404.161 χ^2/NDF:19.0/22

+ sign -324.222+/-283.414 χ^2/NDF: 58.4/56

All: 7.653+/-202.592 χ^2/NDF: 122.3/115

- sign 354.427+/-289.706 χ^2/NDF: 61.1/58

dit_asym_atl1r2_dd_rms vs Slug



Right In: 1851.230+/-0.292 χ^2/NDF: 281345.6/31

Left Out: 1712.310+/-0.275 χ^2/NDF:94399.0/24

Right Out: 1864.655+/-0.294 χ^2/NDF: 431355.2/35

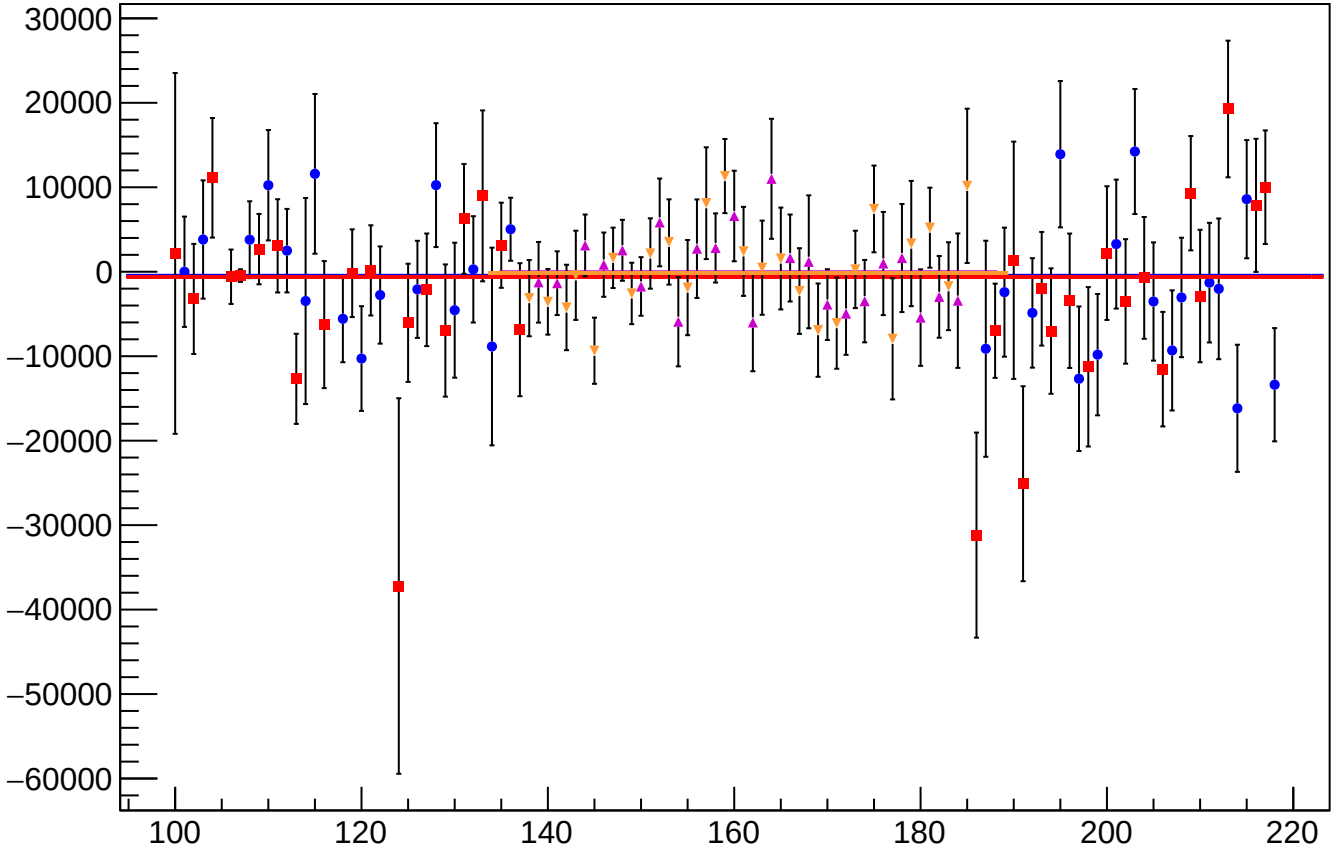
Left In: 1730.342+/-0.286 χ^2/NDF:23075.7/22

+ sign 1777.663+/-0.200 χ^2/NDF: 495457.4/56

All: 1786.466+/-0.143 χ^2/NDF: 1061255.8/11

- sign 1795.663+/-0.205 χ^2/NDF: 561852.7/58

asym_atl1r2_dd_dit_correction_mean vs Slug



Right In: -481.340+/-1177.723 χ^2/NDF: 38.1/31

Left Out: -150.169+/-984.984 χ^2/NDF:26.9/24

Right Out: -618.103+/-621.147 χ^2/NDF: 46.1/35

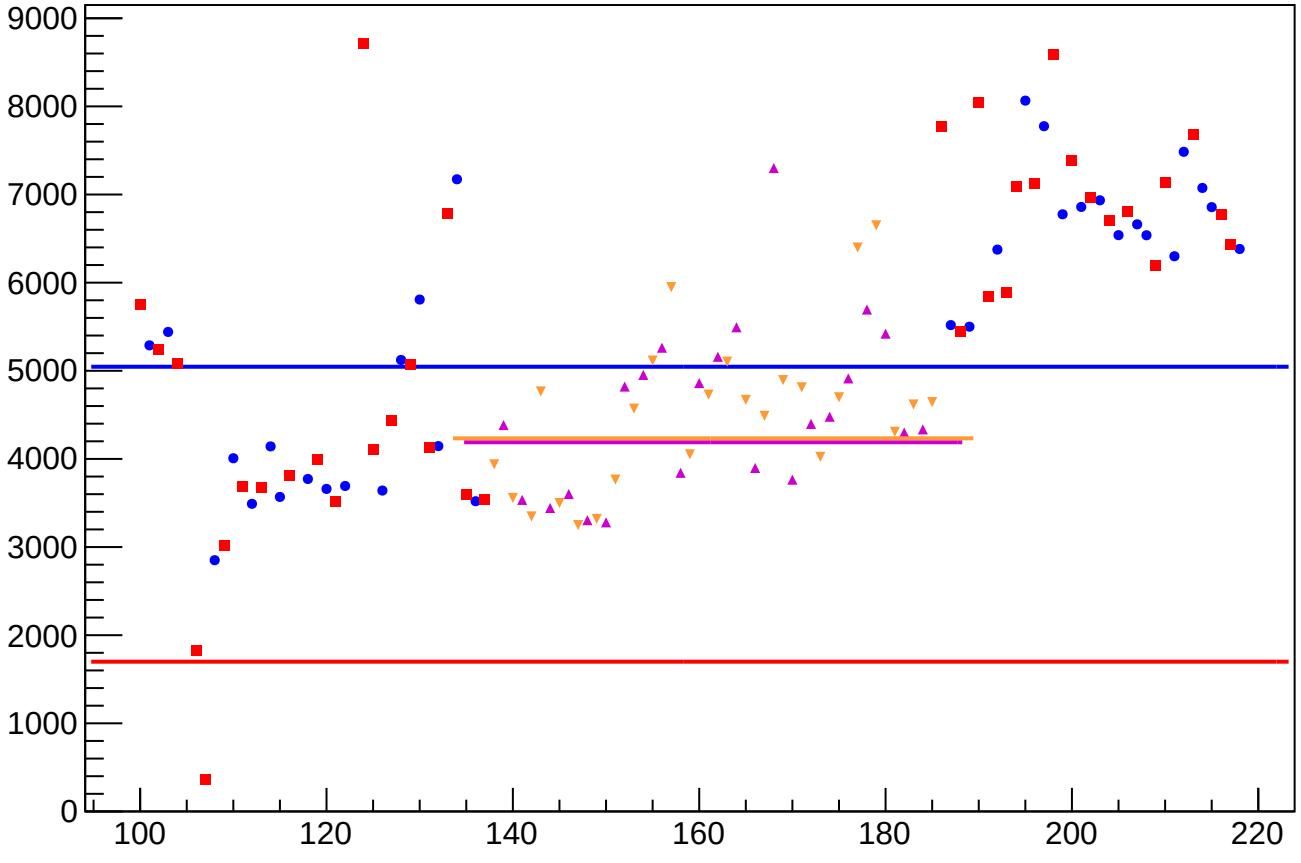
Left In: -65.169+/-1000.106 χ^2/NDF:14.0/22

+ sign -286.473+/-755.565 χ^2/NDF: 65.0/56

All: -405.927+/-432.608 χ^2/NDF: 125.4/115

- sign -464.186+/-527.659 χ^2/NDF: 60.4/58

asym_atl1r2_dd_dit_correction_rms vs Slug



Right In: 5045.958+/-0.833 χ^2/NDF: 3470595.9/31

Left Out: 4233.905+/-0.696 χ^2/NDF:1284783.2/24

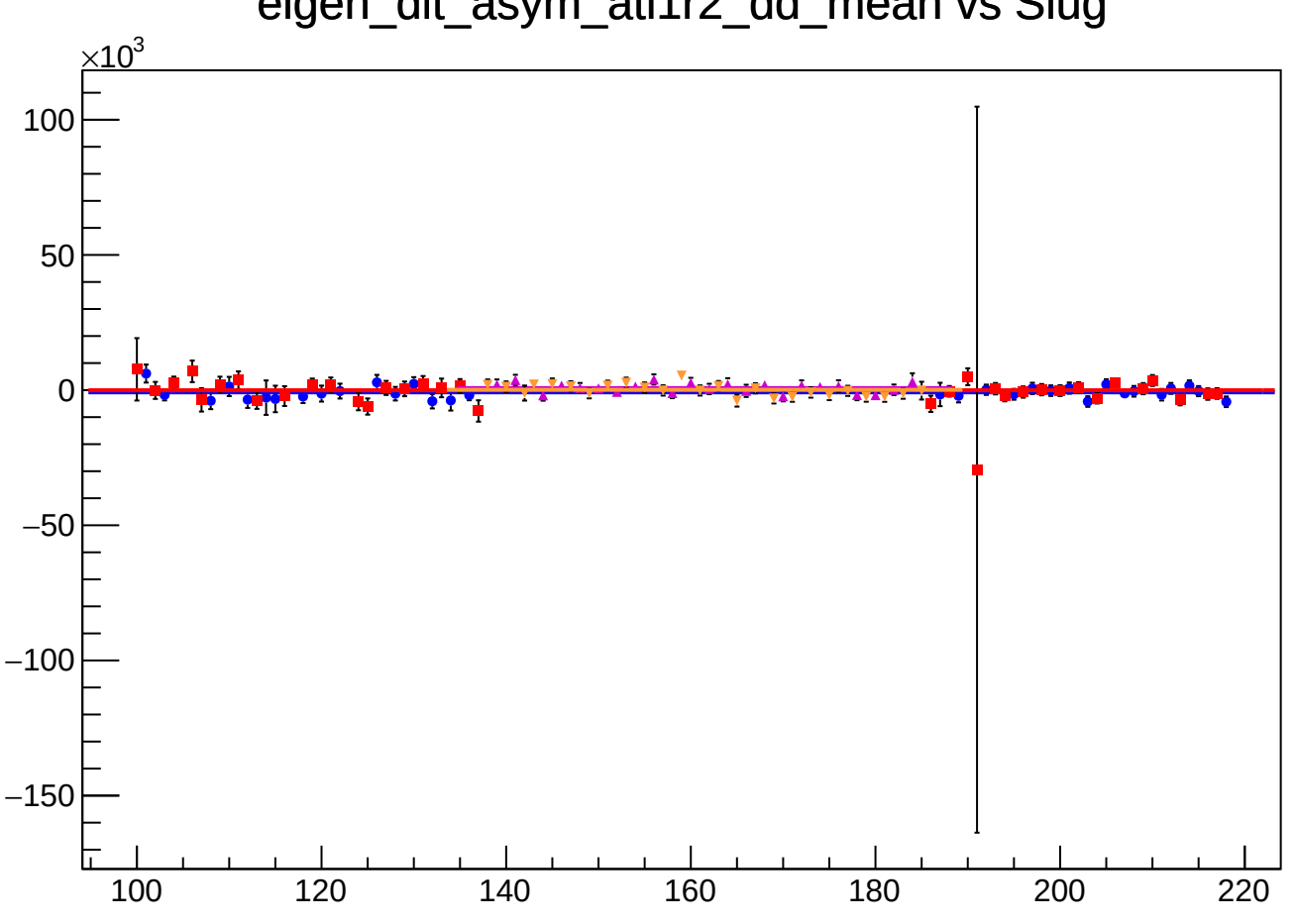
Right Out: 1699.450+/-0.439 χ^2/NDF: 26155173.8/35

Left In: 4188.874+/-0.707 χ^2/NDF:1344602.0/22

+ sign 4568.132+/-0.534 χ^2/NDF: 5314875.7/56

All: 3105.676+/-0.306 χ^2/NDF: 52904359.0/1

- sign 2392.418+/-0.373 χ^2/NDF: 36442151.2/58



Right In: -824.232+/-413.211 χ^2/NDF: 26.0/31

Left Out: 119.962+/-389.458 χ^2/NDF:29.7/24

Right Out: -54.313+/-415.486 χ^2/NDF: 40.2/35

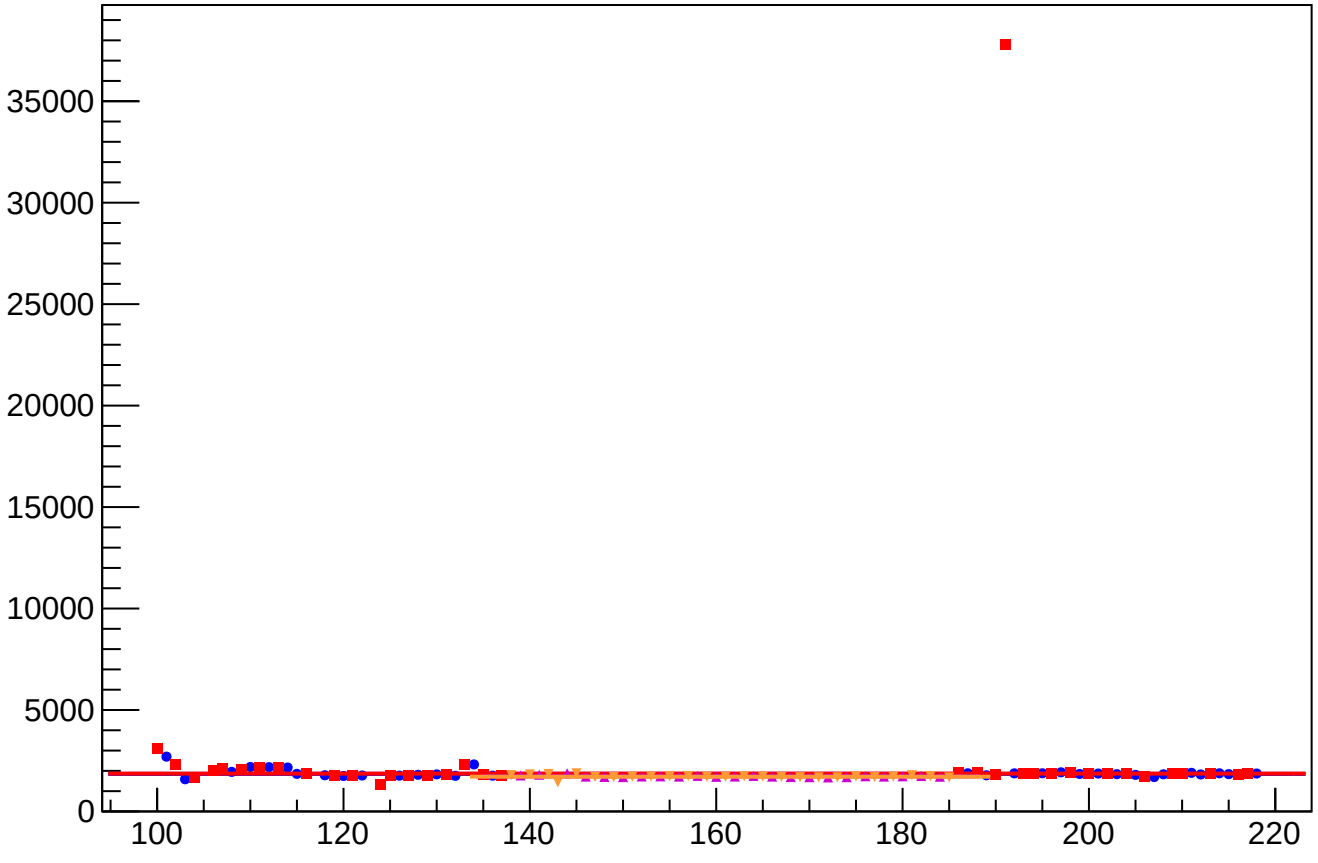
Left In: 741.189+/-404.161 χ^2/NDF:19.0/22

+ sign -324.219+/-283.414 χ^2/NDF: 58.4/56

All: 7.654+/-202.592 χ^2/NDF: 122.3/115

- sign 354.427+/-289.706 χ^2/NDF: 61.1/58

eigen_dit_asym_atl1r2_dd_rms vs Slug



Right In: 1851.230+/-0.292 χ^2/NDF: 281345.5/31

Left Out: 1712.310+/-0.275 χ^2/NDF:94398.1/24

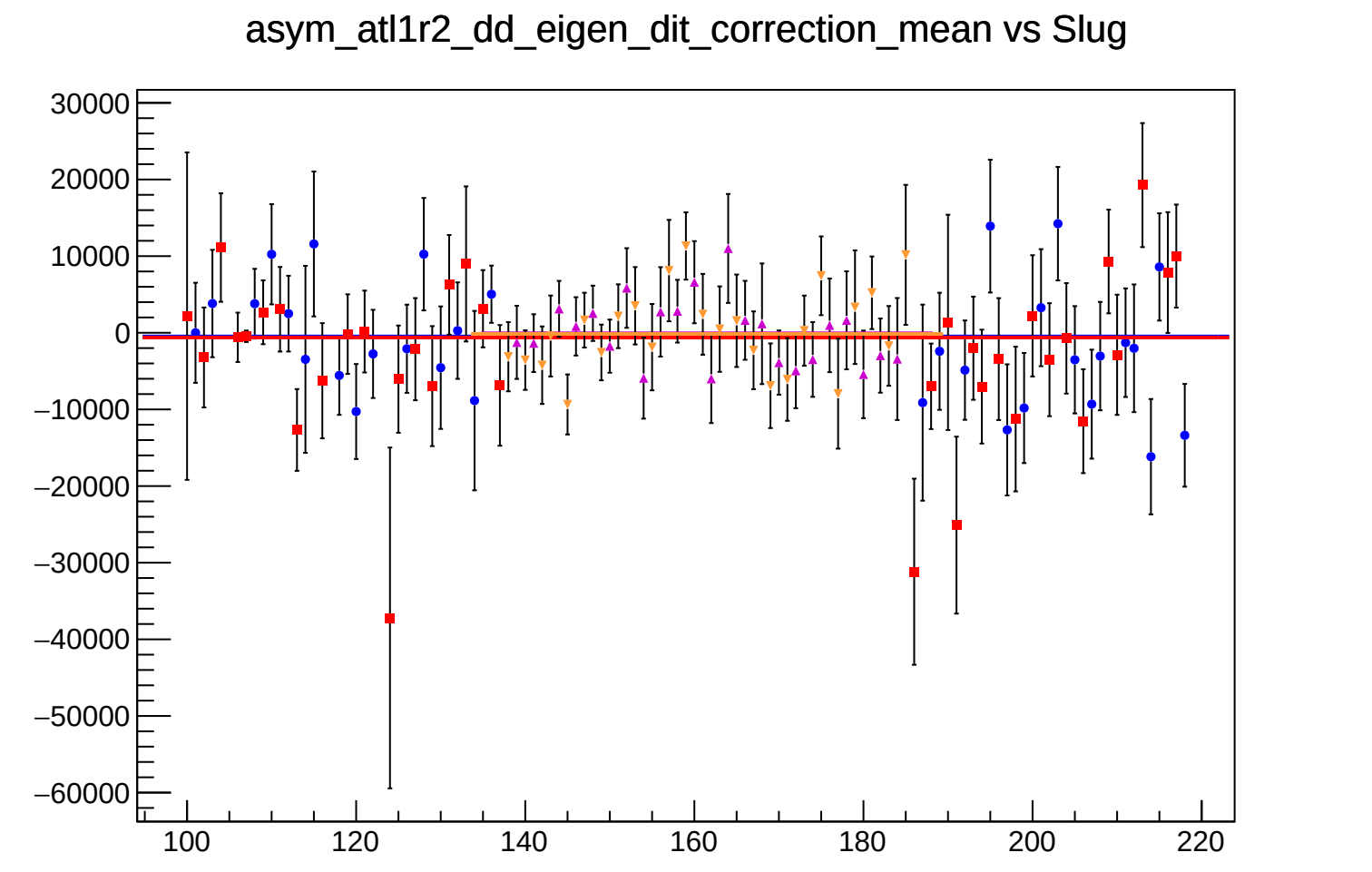
Right Out: 1864.655+/-0.294 χ^2/NDF: 431355.5/35

Left In: 1730.342+/-0.286 χ^2/NDF:23075.7/22

+ sign 1777.663+/-0.200 χ^2/NDF: 495455.3/56

All: 1786.467+/-0.143 χ^2/NDF: 1061253.3/11

- sign 1795.663+/-0.205 χ^2/NDF: 561852.3/58



Right In: -481.349+/-1177.723 χ^2/NDF: 38.1/31

Left Out: -150.169+/-984.986 χ^2/NDF:26.9/24

Right Out: -618.113+/-621.157 χ^2/NDF: 46.1/35

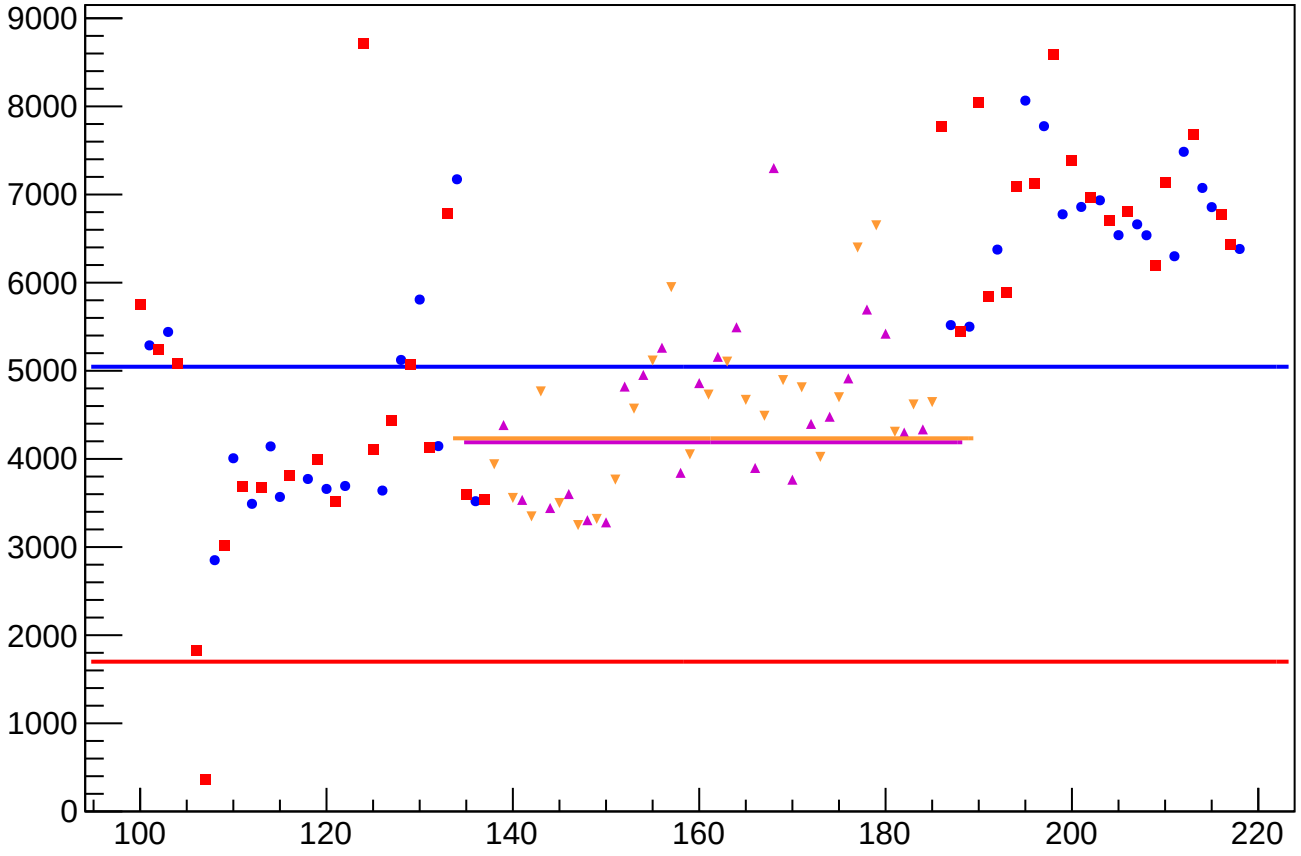
Left In: -65.171+/-1000.108 χ^2/NDF:14.0/22

+ sign -286.477+/-755.566 χ^2/NDF: 65.0/56

All: -405.930+/-432.611 χ^2/NDF: 125.4/115

- sign -464.190+/-527.665 χ^2/NDF: 60.4/58

asym_atl1r2_dd_eigen_dit_correction_rms vs Slug



Right In: 5045.954+/-0.833 χ^2/NDF: 3470622.6/31

Left Out: 4233.911+/-0.696 χ^2/NDF:1284785.6/24

Right Out: 1699.495+/-0.439 χ^2/NDF: 26154821.7/35

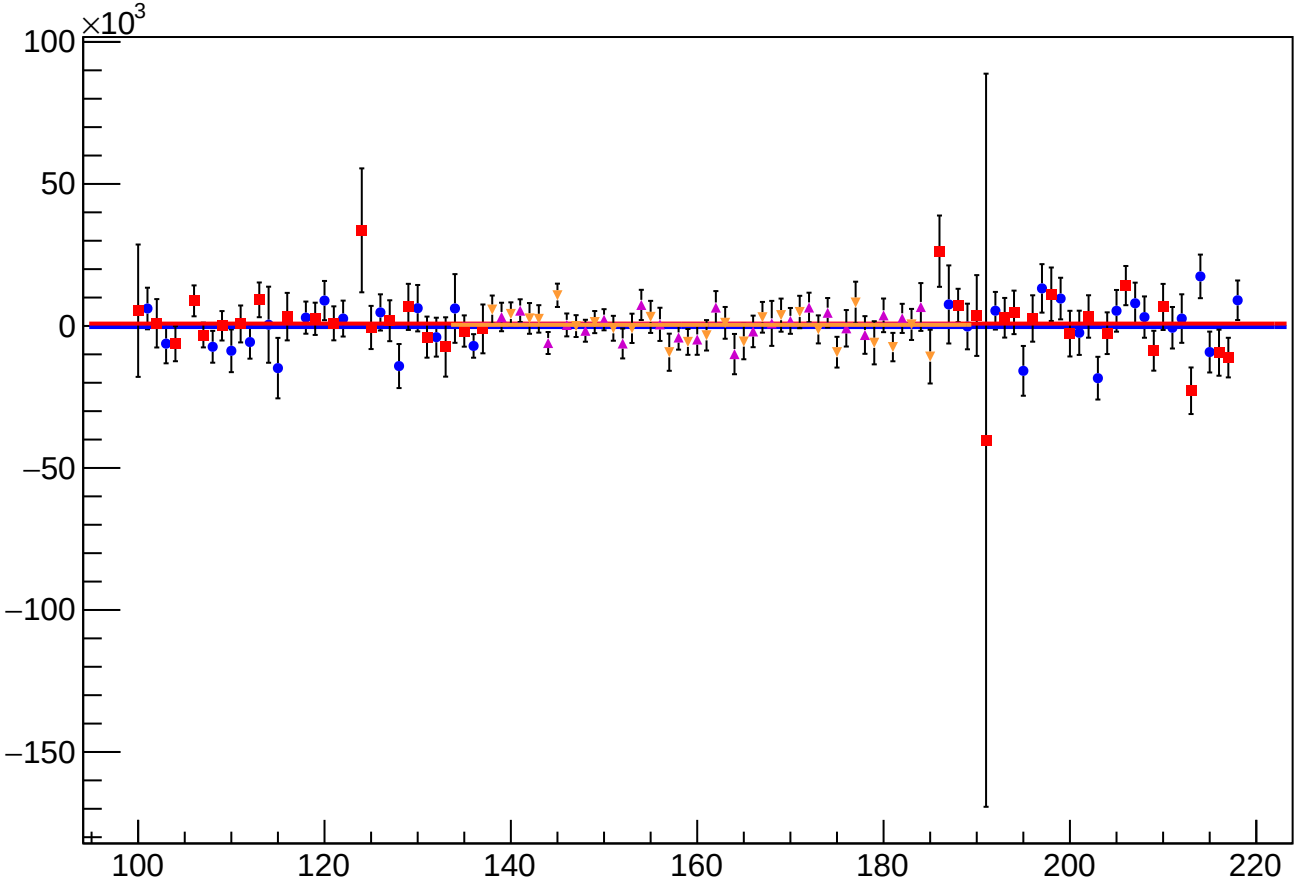
Left In: 4188.880+/-0.707 χ^2/NDF:1344607.0/22

+ sign 4568.135+/-0.534 χ^2/NDF: 5314891.0/56

All: 3105.718+/-0.306 χ^2/NDF: 52903102.2/1

- sign 2392.466+/-0.373 χ^2/NDF: 36441430.4/58

asym_atl1r2_dd_mean vs Slug



Right In: -388.599+/-1268.816 χ^2/NDF: 42.3/31

Left Out: 398.336+/-1028.431 χ^2/NDF:24.7/24

Right Out: 830.076+/-1211.701 χ^2/NDF: 37.2/35

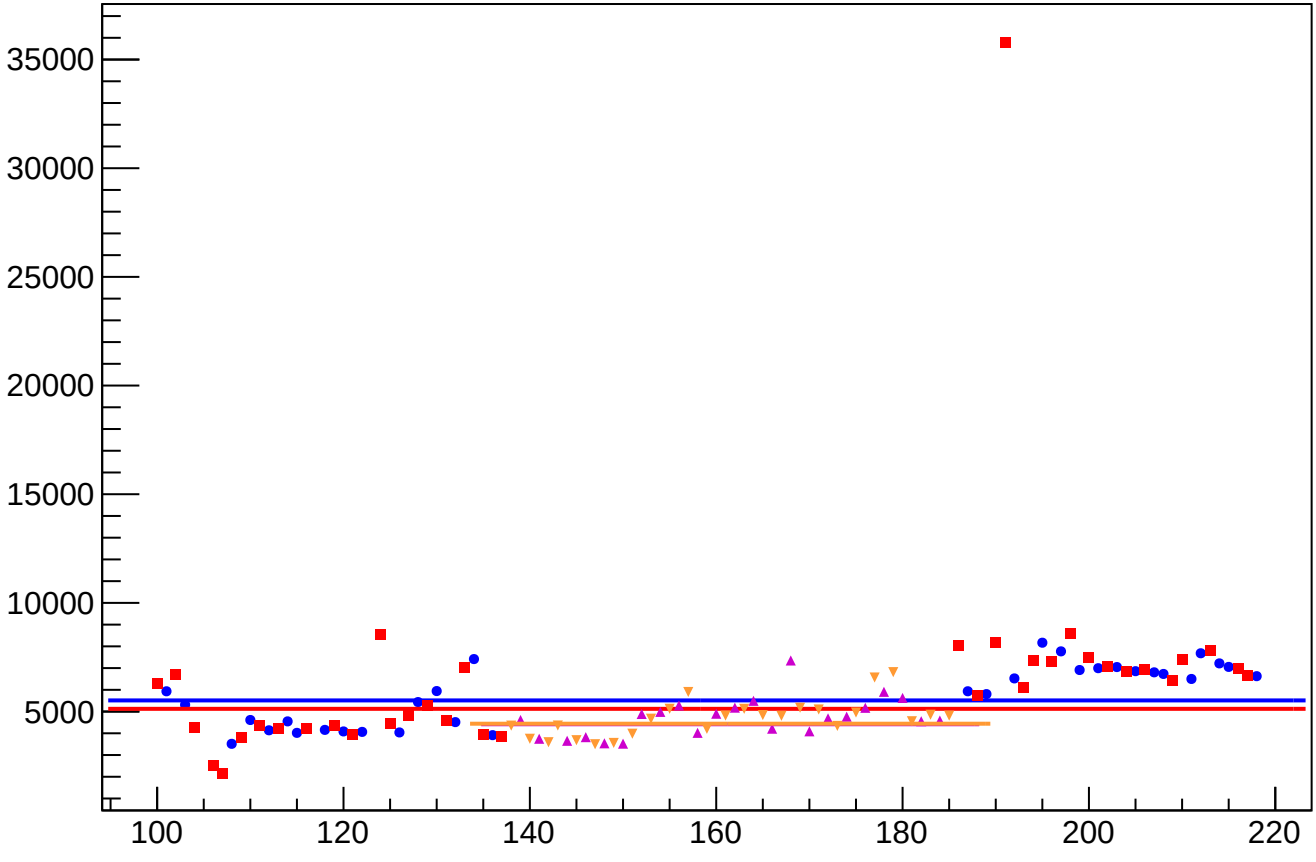
Left In: 502.999+/-1049.682 χ^2/NDF:17.3/22

\+ sign 86.322+/-798.944 χ^2/NDF: 67.3/56

All: 366.718+/-562.962 χ^2/NDF: 122.1/115

\- sign 643.223+/-793.382 χ^2/NDF: 54.5/58

asym_atl1r2_dd_rms vs Slug



Right In: 5512.833+/-0.897 χ^2/NDF: 2454770.0/31

Left Out: 4440.810+/-0.727 χ^2/NDF:1073119.1/24

Right Out: 5125.151+/-0.852 χ^2/NDF: 4402554.2/35

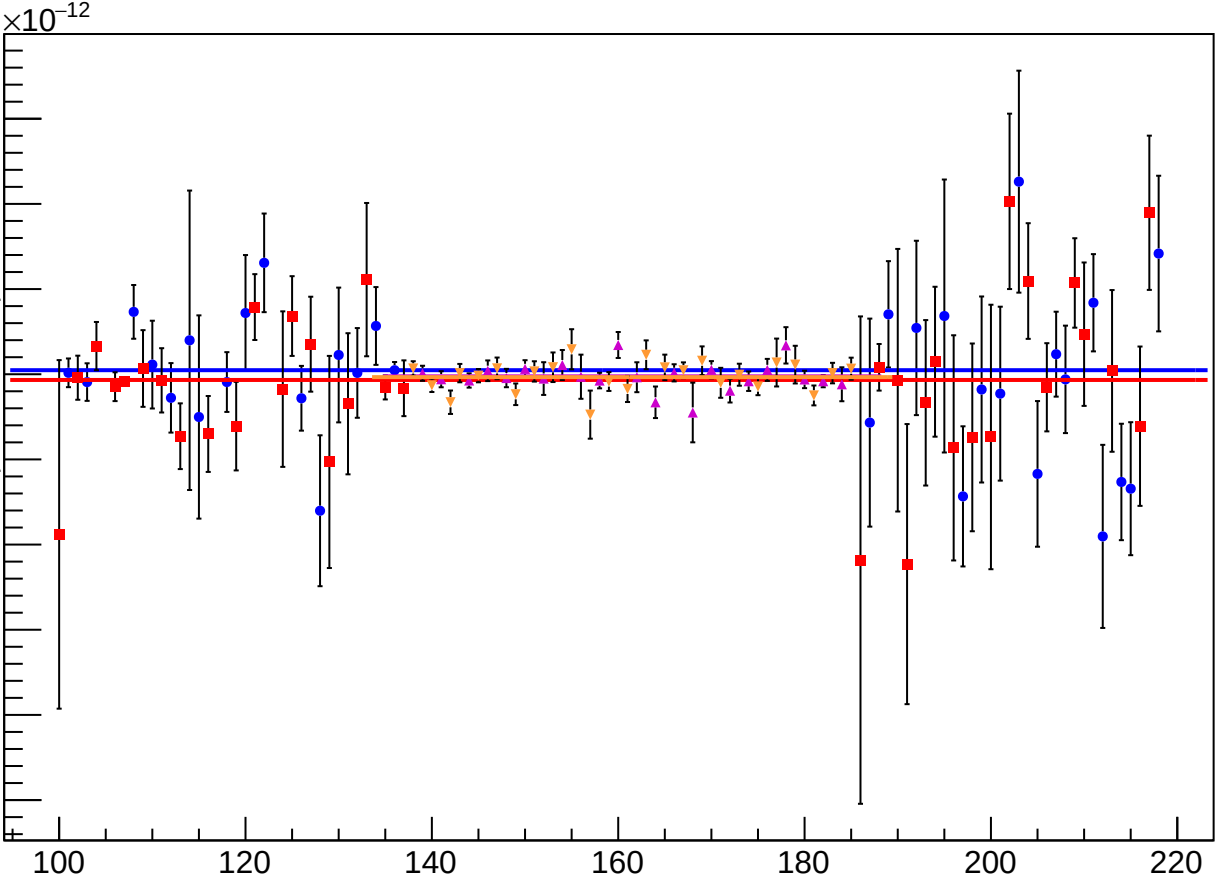
Left In: 4415.366+/-0.742 χ^2/NDF:1111411.1/22

+ sign 4865.860+/-0.565 χ^2/NDF: 4389524.5/56

All: 4793.137+/-0.398 χ^2/NDF: 10331117.4/1

- sign 4721.802+/-0.560 χ^2/NDF: 5908768.1/58

asym_atl1r2_dd_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 42.0/31

Left Out: -0.000+/-0.000 χ^2/NDF:28.5/24

Right Out: -0.000+/-0.000 χ^2/NDF: 41.1/35

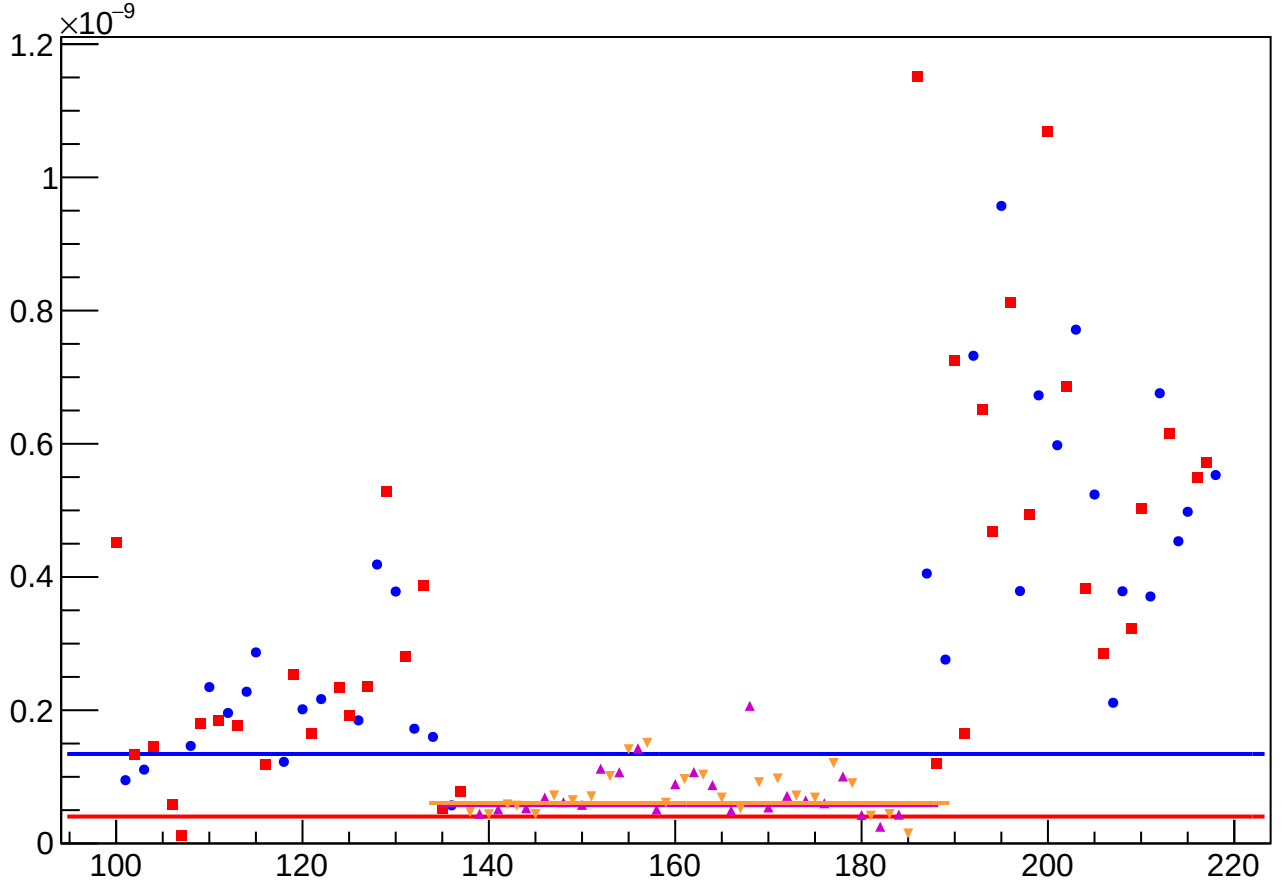
Left In: -0.000+/-0.000 χ^2/NDF:19.3/22

+ sign -0.000+/-0.000 χ^2/NDF: 71.9/56

All: -0.000+/-0.000 χ^2/NDF: 133.6/115

- sign -0.000+/-0.000 χ^2/NDF: 61.4/58

asym_atl1r2_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 7952923.6/31

Left Out: 0.000+/-0.000 χ^2/NDF:1723737.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 13557186.5/35

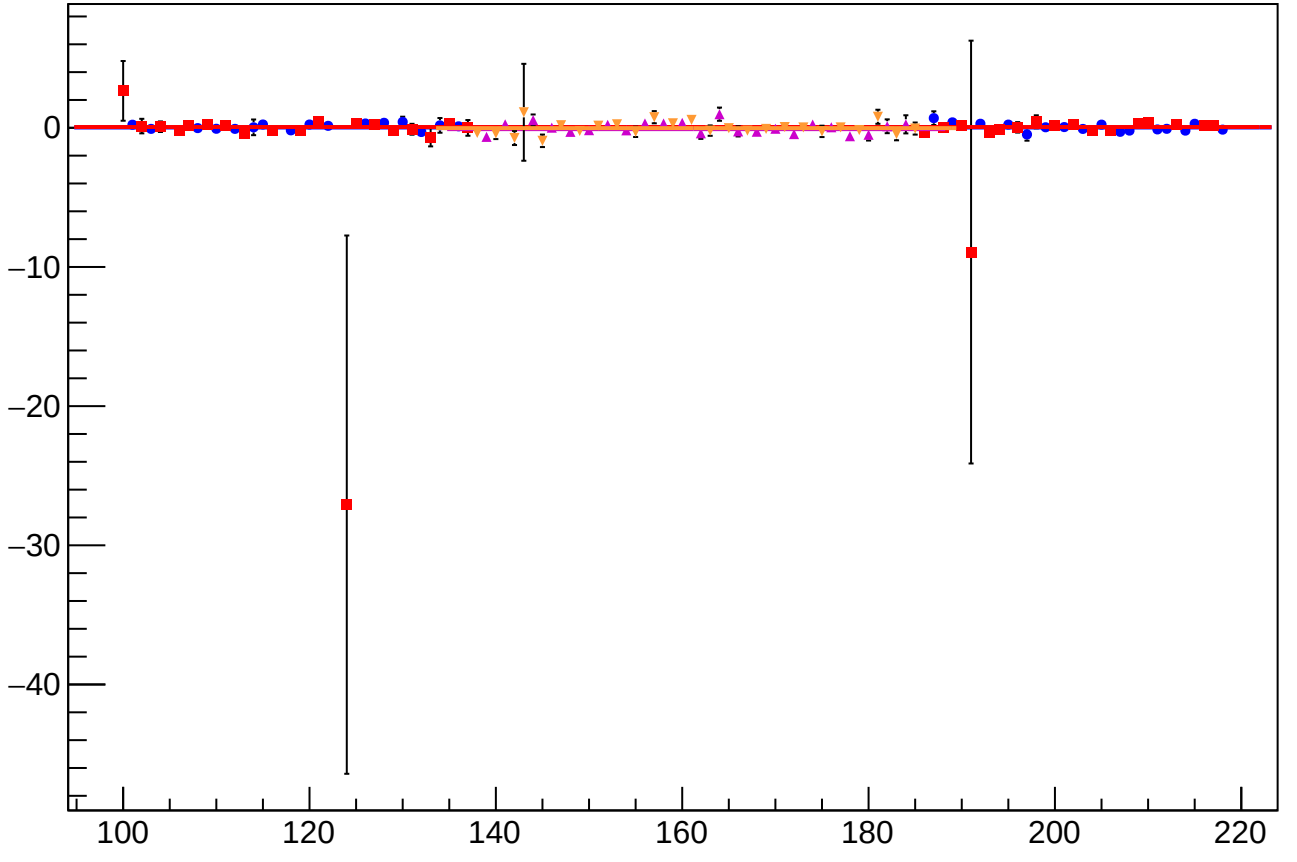
Left In: 0.000+/-0.000 χ^2/NDF:1878360.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 11949614.4/56

All: 0.000+/-0.000 χ^2/NDF: 28512332.6/115

- sign 0.000+/-0.000 χ^2/NDF: 15784045.1/58

asym_atl1r2_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.023+/-0.043 χ^2/NDF: 25.8/31

Left Out: -0.024+/-0.062 χ^2/NDF:23.5/24

Right Out: 0.056+/-0.041 χ^2/NDF: 37.6/35

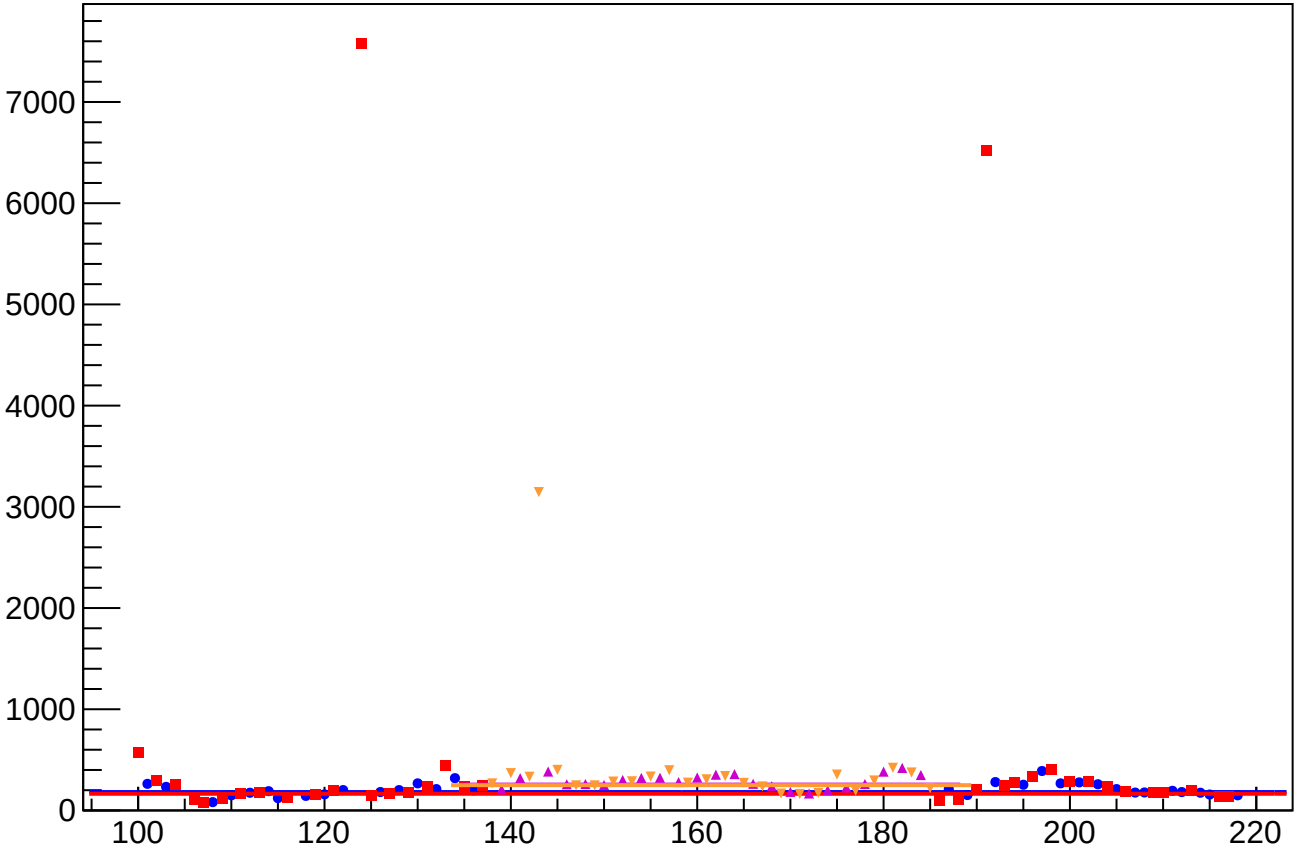
Left In: -0.095+/-0.063 χ^2/NDF:31.5/22

+ sign 0.008+/-0.035 χ^2/NDF: 49.7/56

All: 0.010+/-0.025 χ^2/NDF: 122.8/115

- sign 0.012+/-0.034 χ^2/NDF: 73.1/58

asym_atl1r2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 181.660+/-0.030 χ^2/NDF: 3123870.8/31

Left Out: 249.848+/-0.044 χ^2/NDF:4234507.4/24

Right Out: 164.987+/-0.029 χ^2/NDF: 5445989.2/35

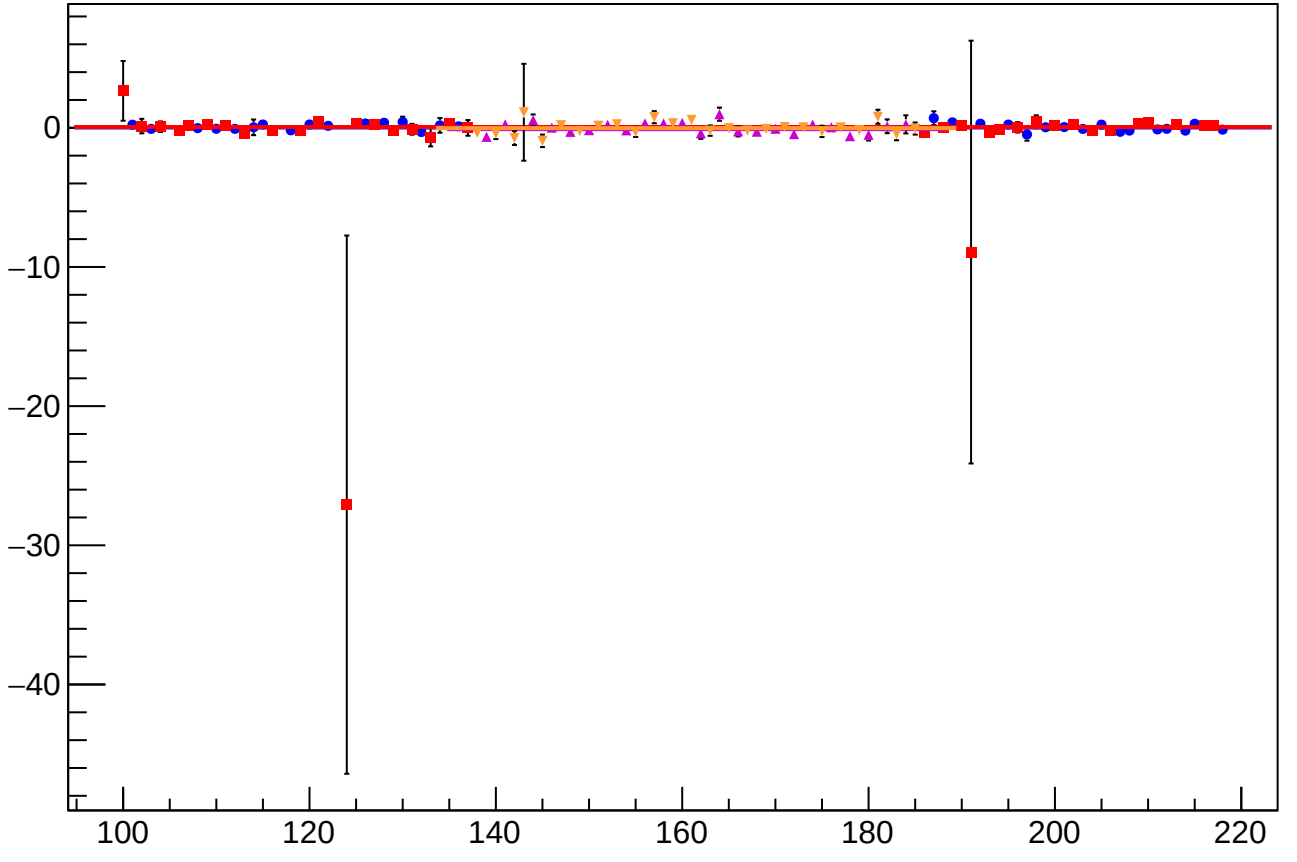
Left In: 255.299+/-0.045 χ^2/NDF:2111552.0/22

+ sign 204.054+/-0.025 χ^2/NDF: 9003227.6/56

All: 197.508+/-0.017 χ^2/NDF: 19600812.0/11

- sign 191.412+/-0.024 χ^2/NDF: 10464867.9/58

asym_atl1r2_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.023+/-0.043 χ^2/NDF: 25.8/31

Left Out: -0.024+/-0.062 χ^2/NDF:23.5/24

Right Out: 0.056+/-0.041 χ^2/NDF: 37.6/35

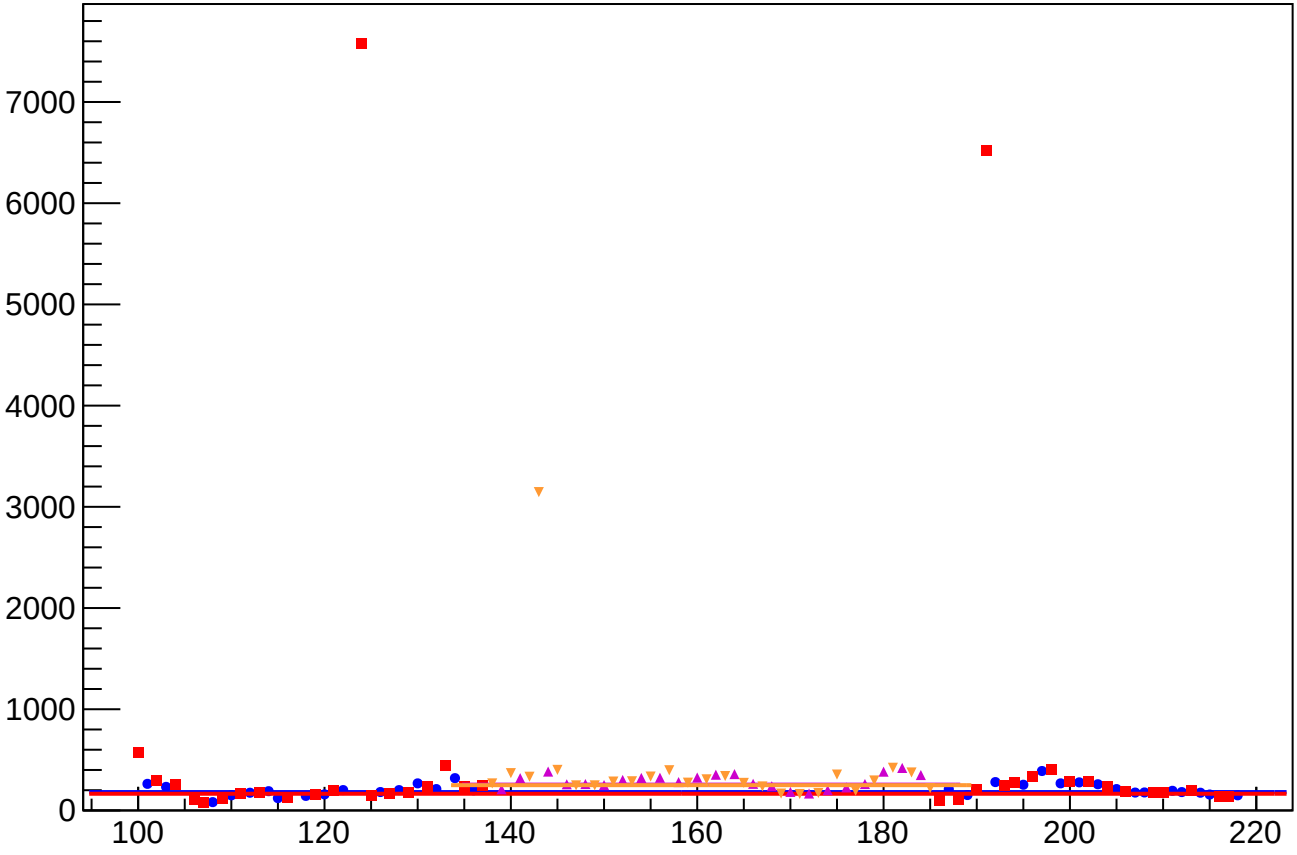
Left In: -0.095+/-0.063 χ^2/NDF:31.5/22

+ sign 0.008+/-0.035 χ^2/NDF: 49.7/56

All: 0.010+/-0.025 χ^2/NDF: 122.8/115

- sign 0.012+/-0.034 χ^2/NDF: 73.1/58

asym_atl1r2_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 181.660+/-0.030 χ^2/NDF: 3123870.8/31

Left Out: 249.848+/-0.044 χ^2/NDF:4234507.4/24

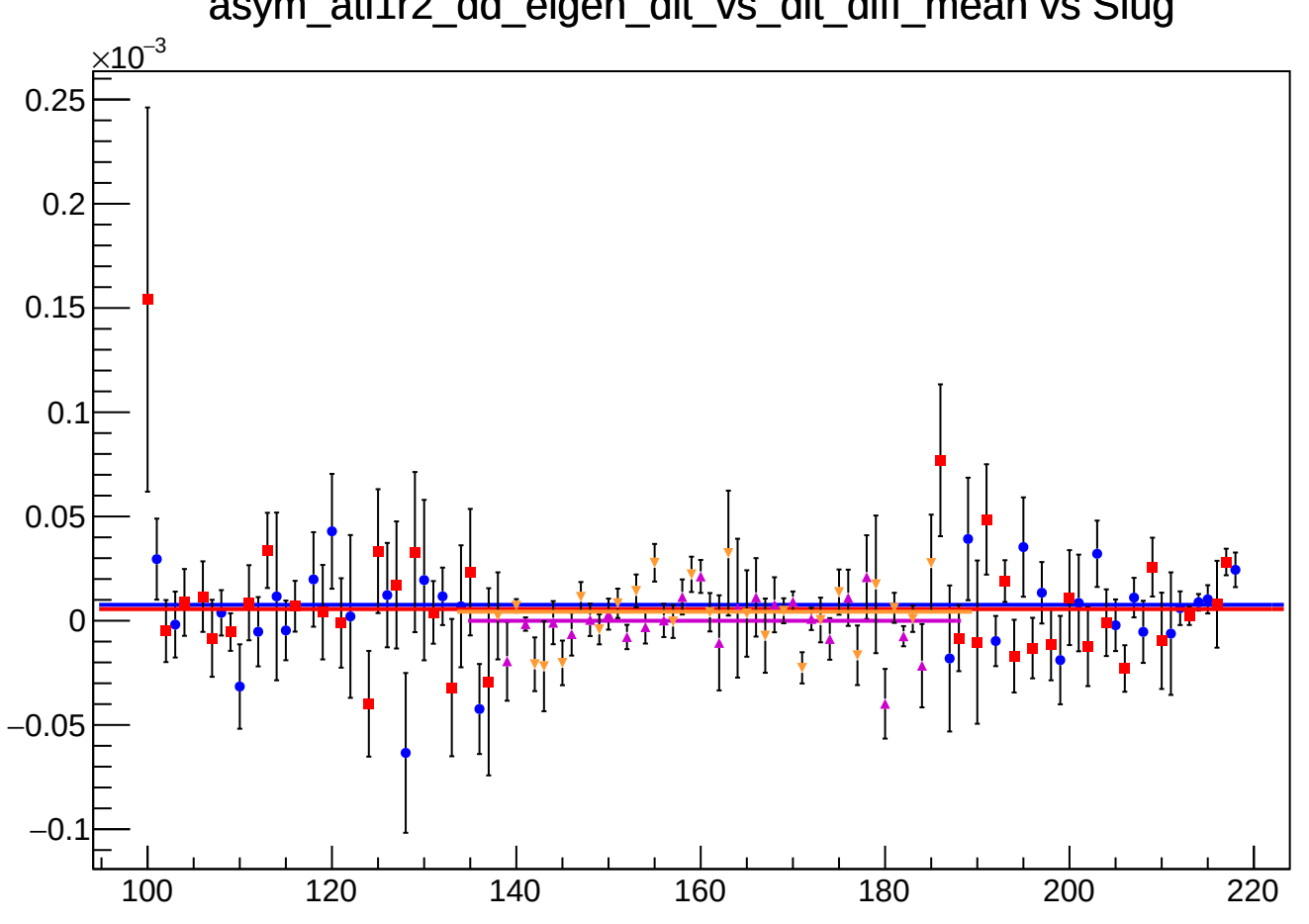
Right Out: 164.987+/-0.029 χ^2/NDF: 5445989.2/35

Left In: 255.299+/-0.045 χ^2/NDF:2111552.0/22

+ sign 204.054+/-0.025 χ^2/NDF: 9003227.6/56

All: 197.508+/-0.017 χ^2/NDF: 19600812.0/11

- sign 191.412+/-0.024 χ^2/NDF: 10464867.9/58



Right In: 0.000+/-0.000 χ^2/NDF: 33.1/31

Left Out: 0.000+/-0.000 χ^2/NDF:46.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 51.7/35

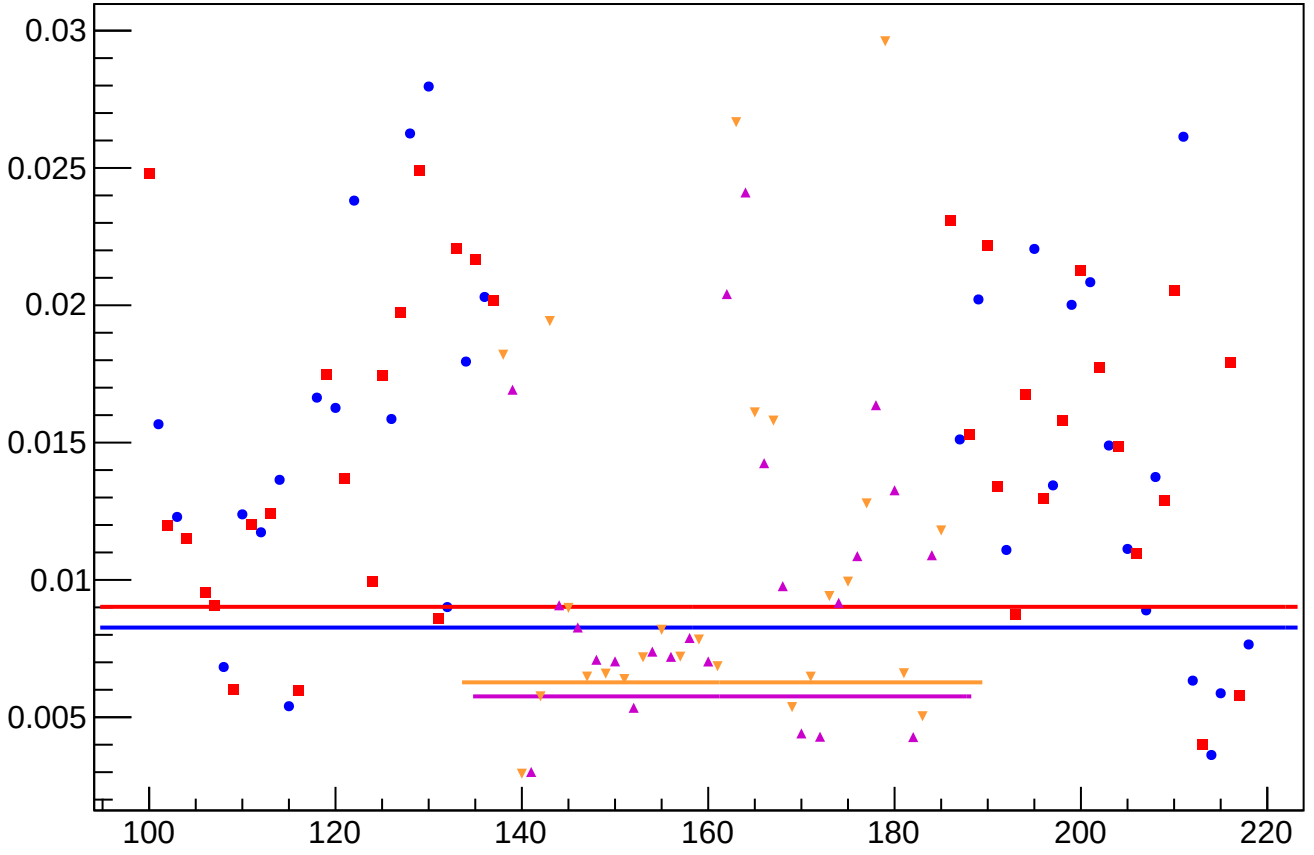
Left In: -0.000+/-0.000 χ^2/NDF:29.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 80.6/56

All: 0.000+/-0.000 χ^2/NDF: 169.4/115

- sign 0.000+/-0.000 χ^2/NDF: 84.7/58

asym_atl1r2_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF: 10712297.8/31

Left Out: 0.006+/-0.000 χ^2/NDF:7909965.6/24

Right Out: 0.009+/-0.000 χ^2/NDF: 9807443.3/35

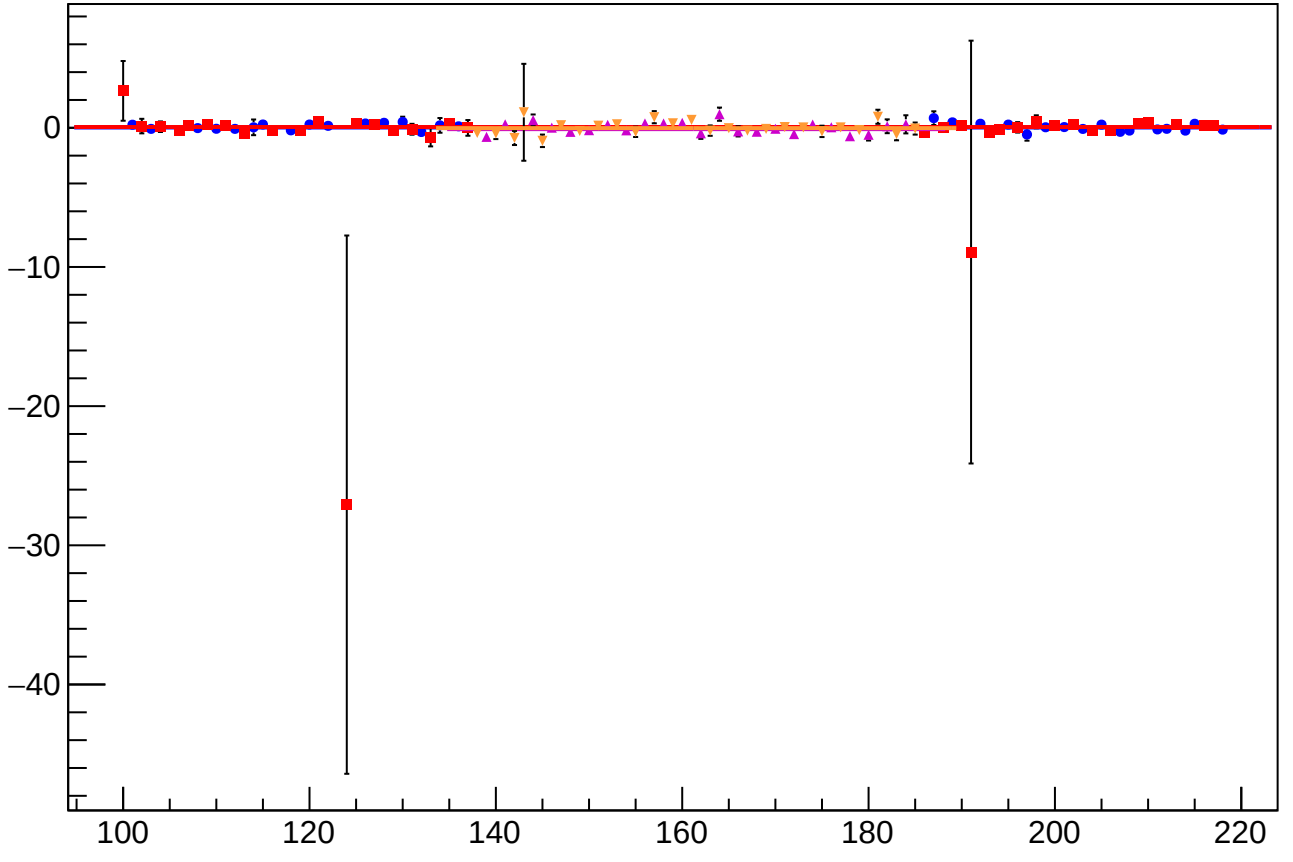
Left In: 0.006+/-0.000 χ^2/NDF:7081814.9/22

+ sign 0.007+/-0.000 χ^2/NDF: 19665049.9/56

All: 0.007+/-0.000 χ^2/NDF: 39281745.1/115

- sign 0.007+/-0.000 χ^2/NDF: 19596780.3/58

asym_atl1r2_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.023+/-0.043 χ^2/NDF: 25.8/31

Left Out: -0.024+/-0.062 χ^2/NDF:23.5/24

Right Out: 0.056+/-0.041 χ^2/NDF: 37.6/35

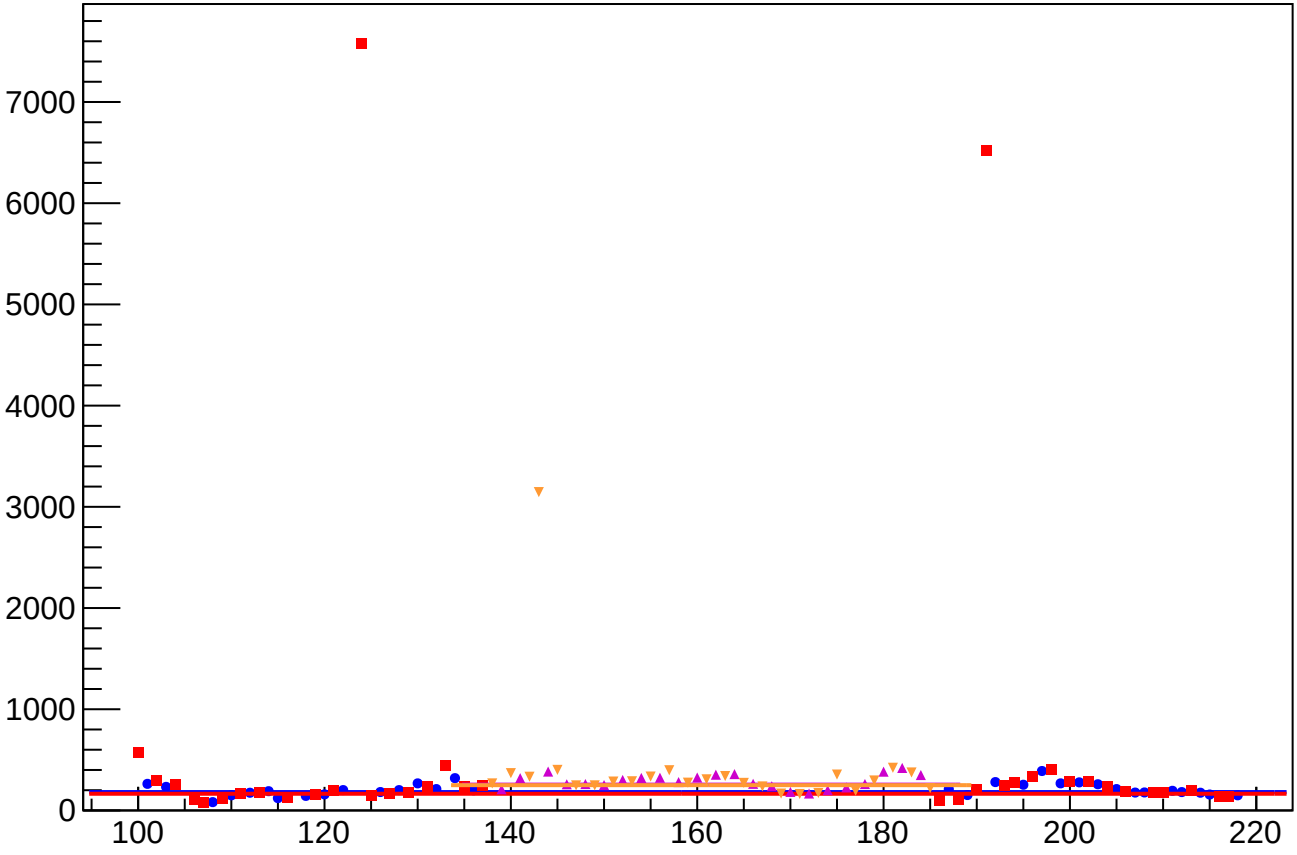
Left In: -0.095+/-0.063 χ^2/NDF:31.5/22

+ sign 0.008+/-0.035 χ^2/NDF: 49.7/56

All: 0.010+/-0.025 χ^2/NDF: 122.8/115

- sign 0.012+/-0.034 χ^2/NDF: 73.1/58

asym_atl1r2_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 181.659+/-0.030 χ^2/NDF: 3123938.7/31

Left Out: 249.850+/-0.044 χ^2/NDF:4234600.7/24

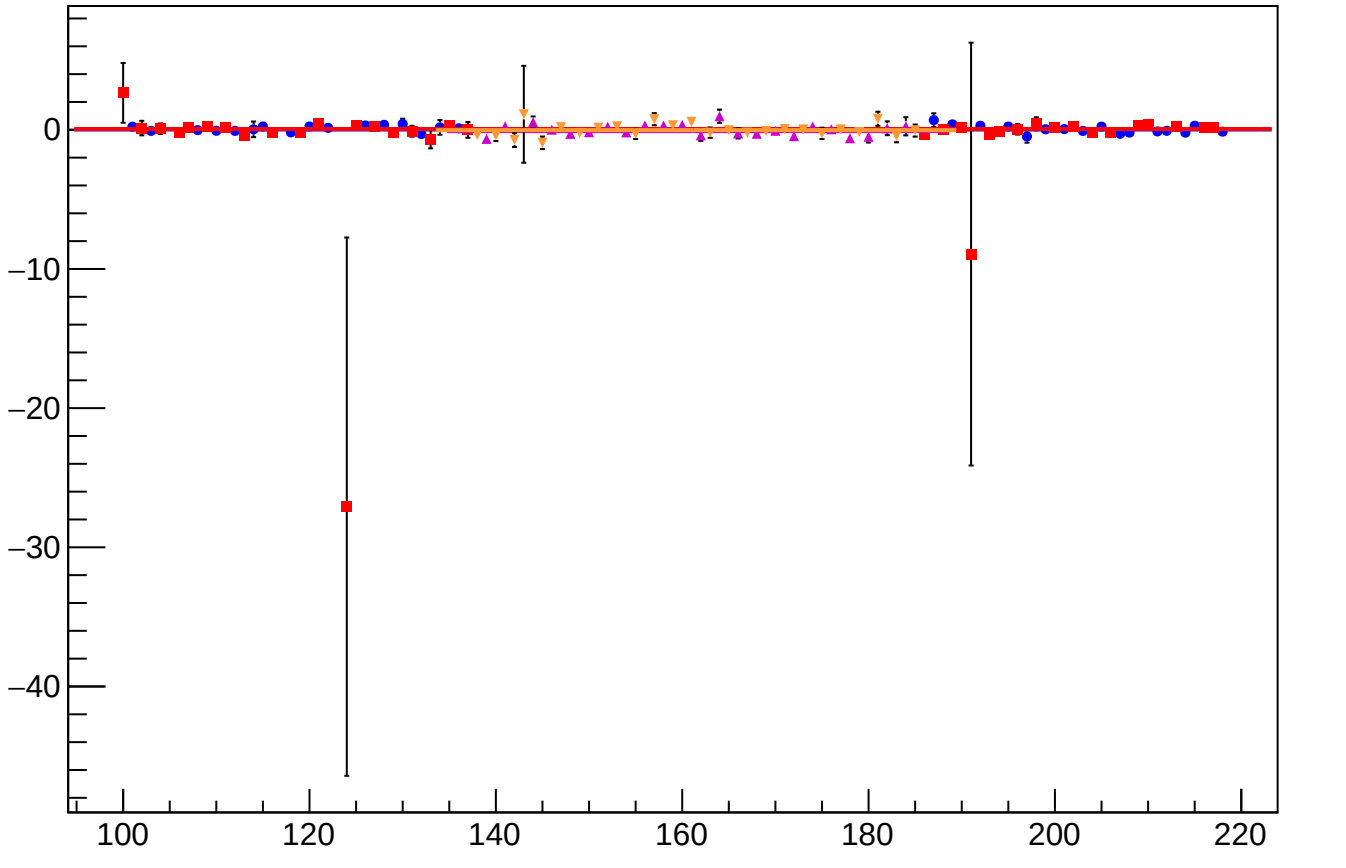
Right Out: 164.989+/-0.029 χ^2/NDF: 5445841.1/35

Left In: 255.302+/-0.045 χ^2/NDF:2111585.0/22

+ sign 204.053+/-0.025 χ^2/NDF: 9003489.9/56

All: 197.509+/-0.017 χ^2/NDF: 19600864.8/11

- sign 191.414+/-0.024 χ^2/NDF: 10464711.8/58



Right In: 0.023+/-0.043 χ^2/NDF: 25.8/31

Left Out: -0.024+/-0.062 χ^2/NDF:23.5/24

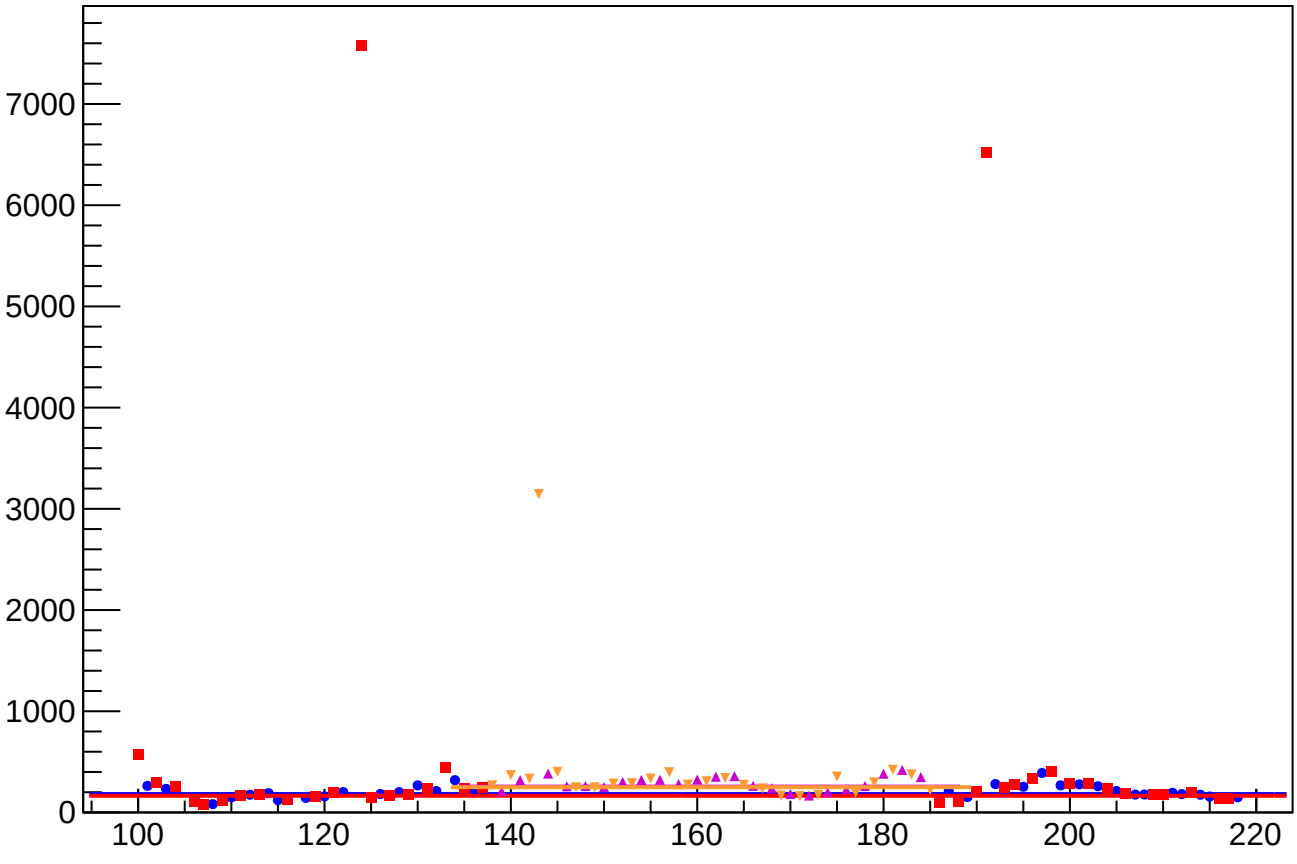
Right Out: 0.056+/-0.041 χ^2/NDF: 37.6/35

Left In: -0.095+/-0.063 χ^2/NDF:31.5/22

+ sign 0.008+/-0.035 χ^2/NDF: 49.7/56

All: 0.010+/-0.025 χ^2/NDF: 122.8/115

- sign 0.012+/-0.034 χ^2/NDF: 73.1/58



Right In: 181.659+/-0.030 χ^2/NDF: 3123938.7/31

Left Out: 249.850+/-0.044 χ^2/NDF:4234600.7/24

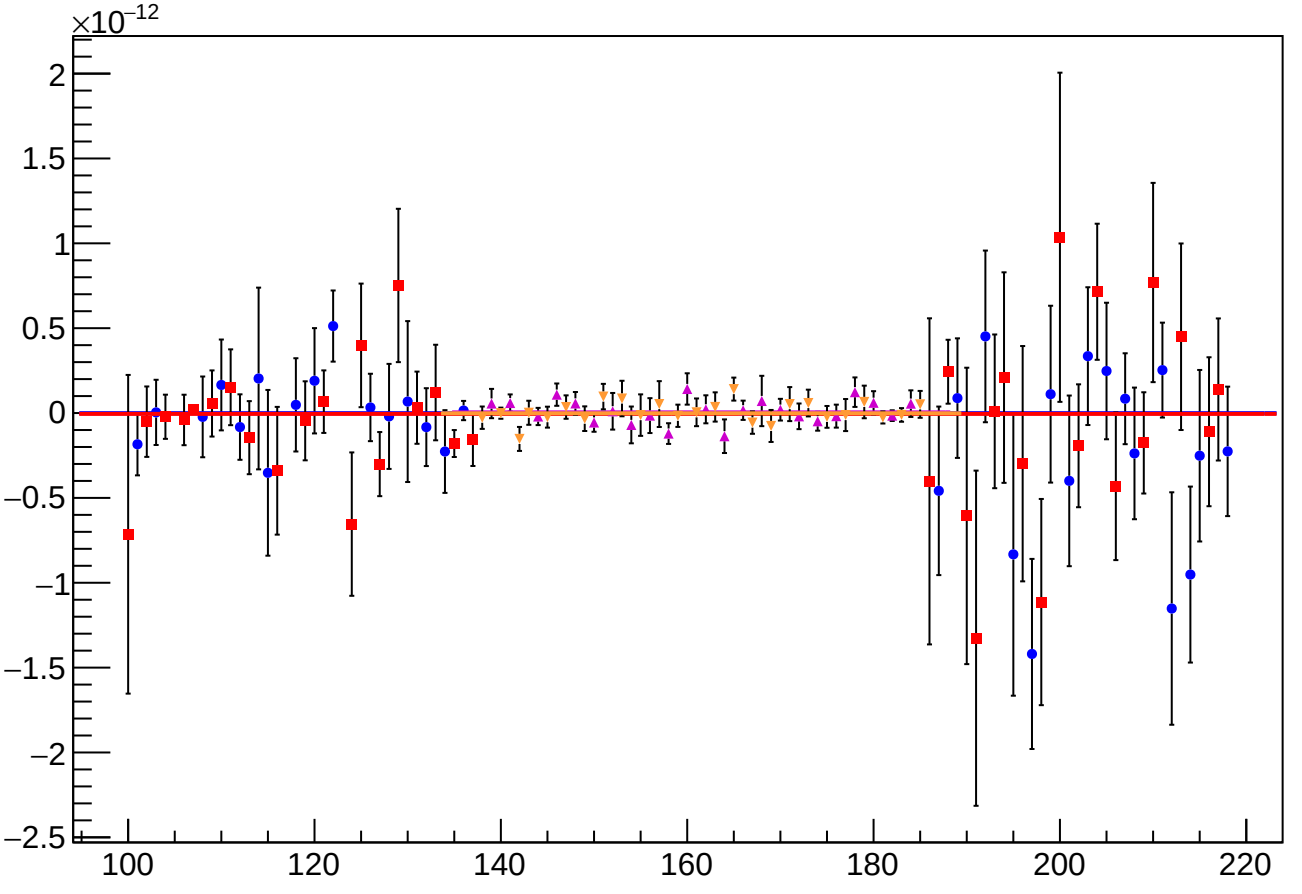
Right Out: 164.989+/-0.029 χ^2/NDF: 5445841.1/35

Left In: 255.302+/-0.045 χ^2/NDF:2111585.0/22

+ sign 204.053+/-0.025 χ^2/NDF: 9003489.9/56

All: 197.509+/-0.017 χ^2/NDF: 19600864.8/11

- sign 191.414+/-0.024 χ^2/NDF: 10464711.8/58



Right In: -0.000+/-0.000 χ^2/NDF: 28.7/31

Left Out: -0.000+/-0.000 χ^2/NDF:16.4/24

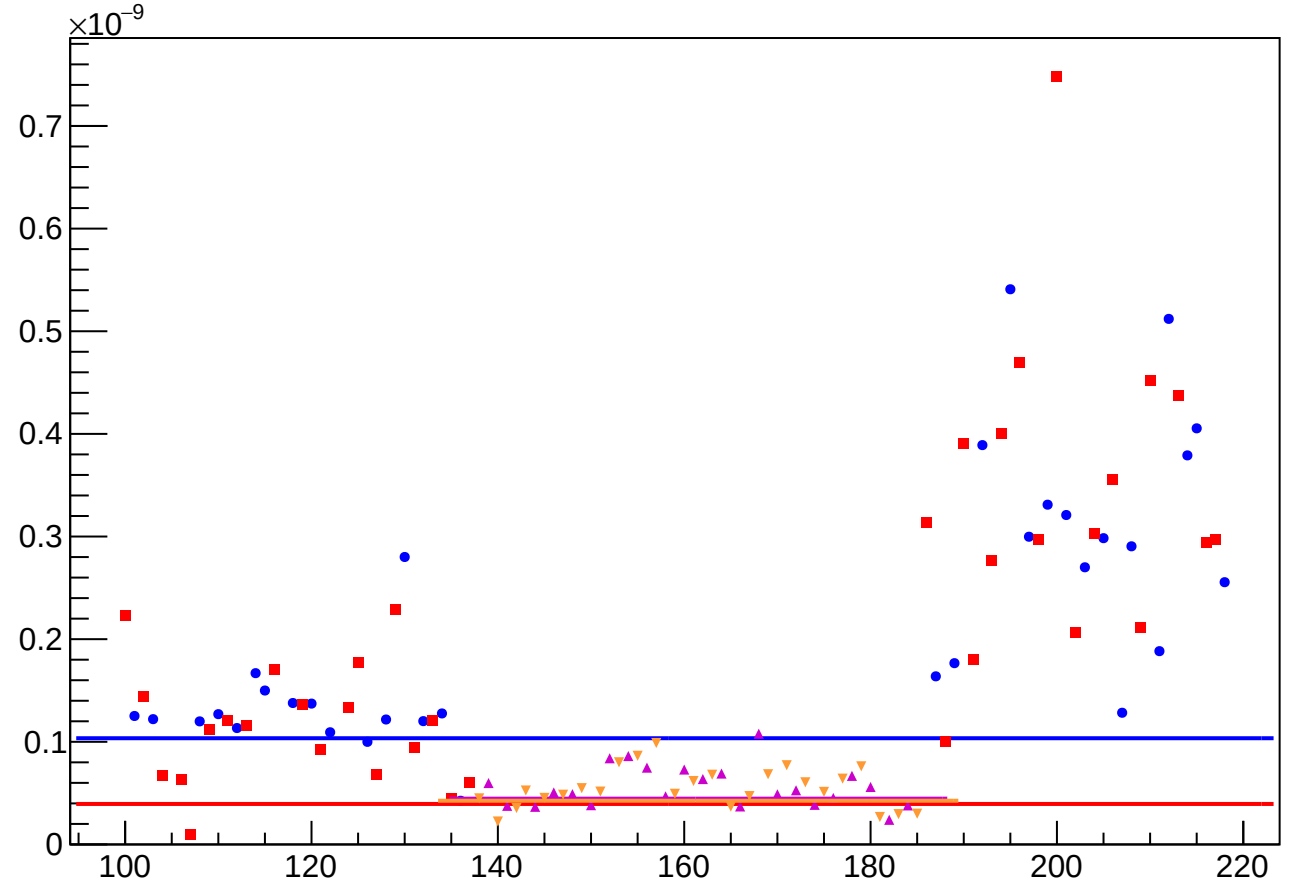
Right Out: -0.000+/-0.000 χ^2/NDF: 34.7/35

Left In: 0.000+/-0.000 χ^2/NDF:19.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 45.1/56

All: 0.000+/-0.000 χ^2/NDF: 99.8/115

- sign 0.000+/-0.000 χ^2/NDF: 54.7/58



Right In: 0.000+/-0.000 χ^2/NDF: 8887310.5/31

Left Out: 0.000+/-0.000 χ^2/NDF:3648691.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 16501210.4/35

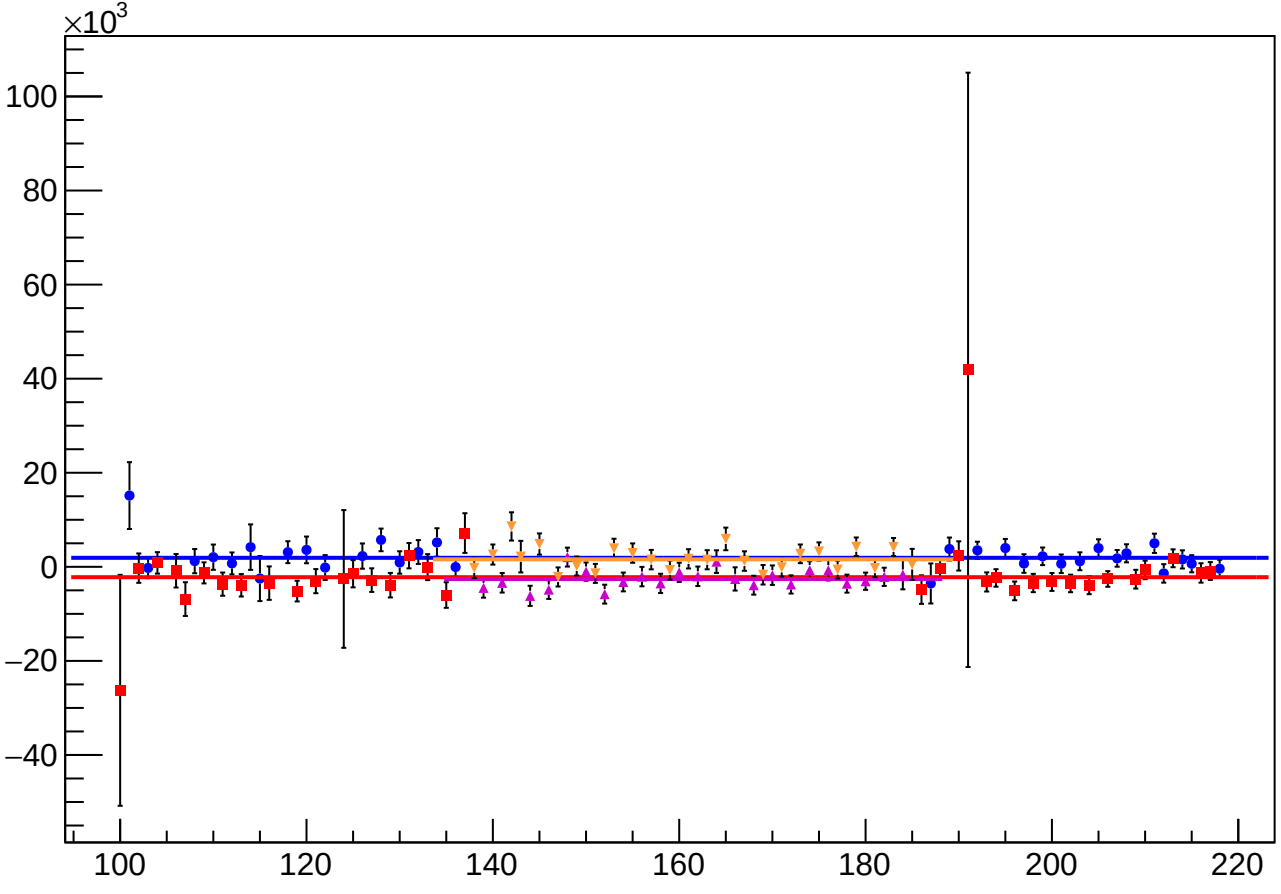
Left In: 0.000+/-0.000 χ^2/NDF:2871089.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 16865431.9/56

All: 0.000+/-0.000 χ^2/NDF: 36511087.9/115

- sign 0.000+/-0.000 χ^2/NDF: 19450700.3/58

reg_asym_atr1l2_avg_mean vs Slug



Right In: 1917.365+/-397.494 χ^2/NDF: 25.8/31

Left Out: 1592.464+/-423.298 χ^2/NDF:31.3/24

Right Out: -2204.182+/-397.190 χ^2/NDF: 33.4/35

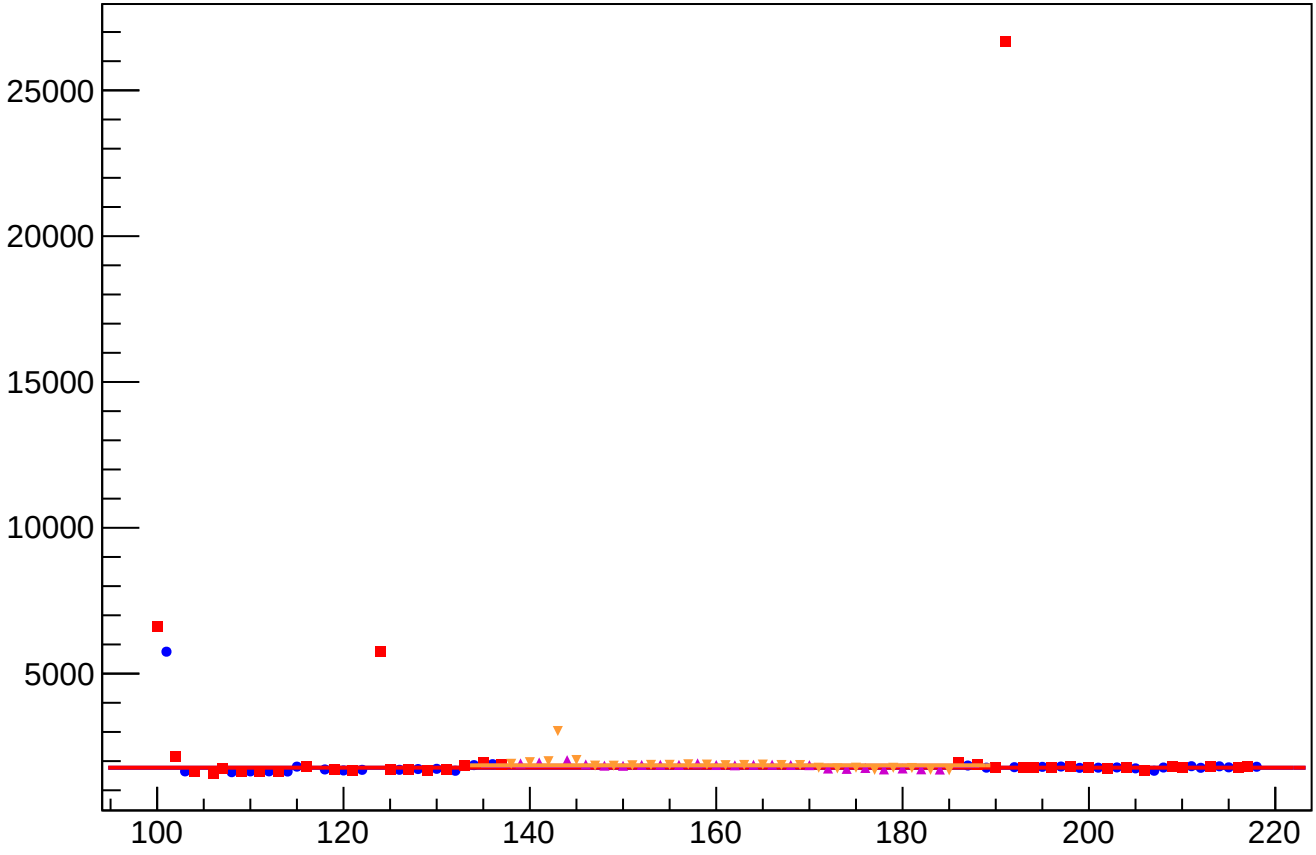
Left In: -2597.740+/-430.293 χ^2/NDF:20.1/22

+ sign 1765.119+/-289.764 χ^2/NDF: 57.4/56

All: -295.118+/-205.630 χ^2/NDF: 213.2/115

- sign -2385.242+/-291.858 χ^2/NDF: 53.9/58

reg_asym_atr1l2_avg_rms vs Slug



Right In: 1770.630+/-0.281 χ^2/NDF: 685330.4/31

Left Out: 1855.560+/-0.299 χ^2/NDF:324267.7/24

Right Out: 1775.866+/-0.280 χ^2/NDF: 649657.1/35

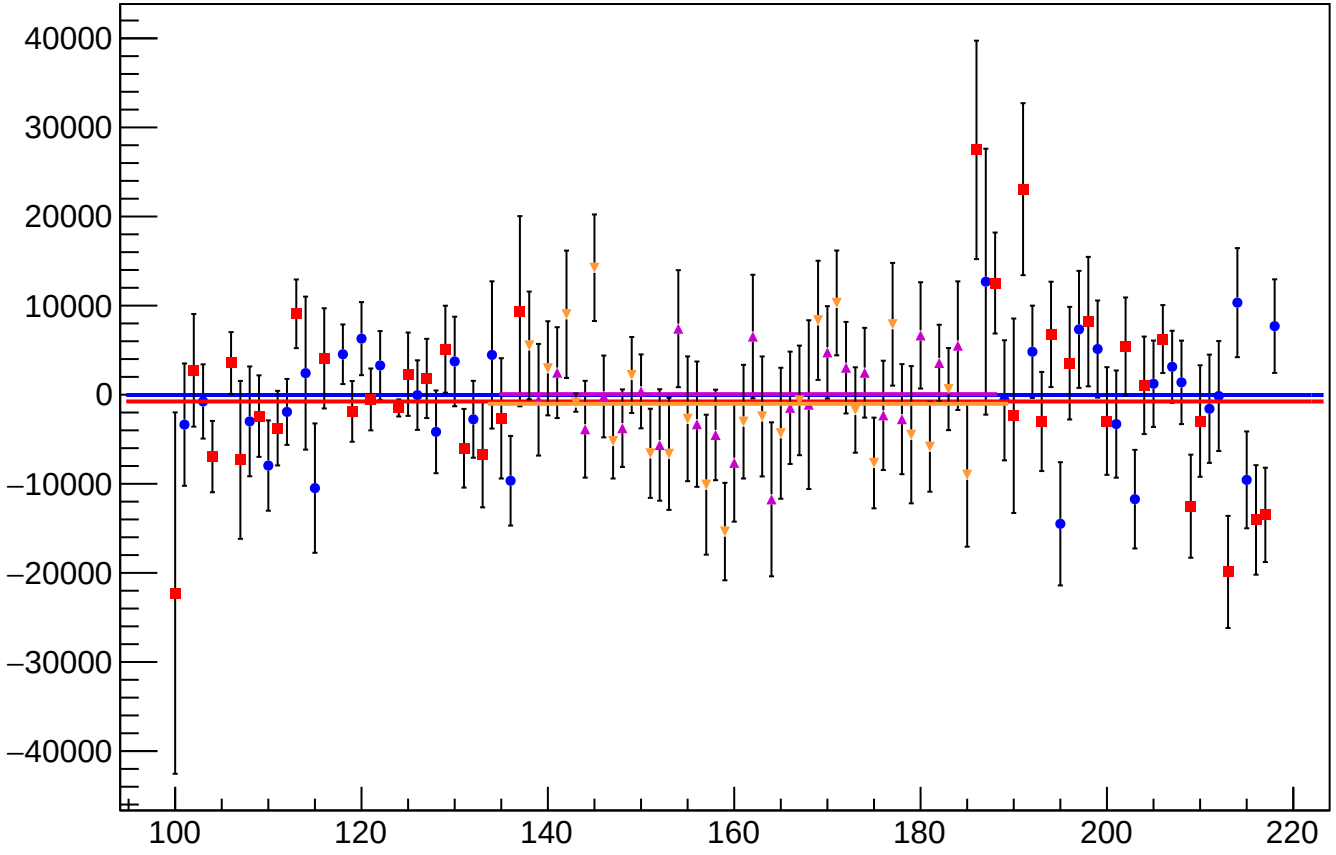
Left In: 1840.981+/-0.304 χ^2/NDF:70985.8/22

+ sign 1810.427+/-0.205 χ^2/NDF: 1052382.3/56

All: 1808.095+/-0.145 χ^2/NDF: 1798077.3/11

- sign 1805.735+/-0.206 χ^2/NDF: 745434.2/58

asym_atr1l2_avg_reg_correction_mean vs Slug



Right In: -34.431+/-903.037 χ^2/NDF: 37.9/31

Left Out: -1018.861+/-771.816 χ^2/NDF:33.7/24

Right Out: -757.781+/-650.120 χ^2/NDF: 69.6/35

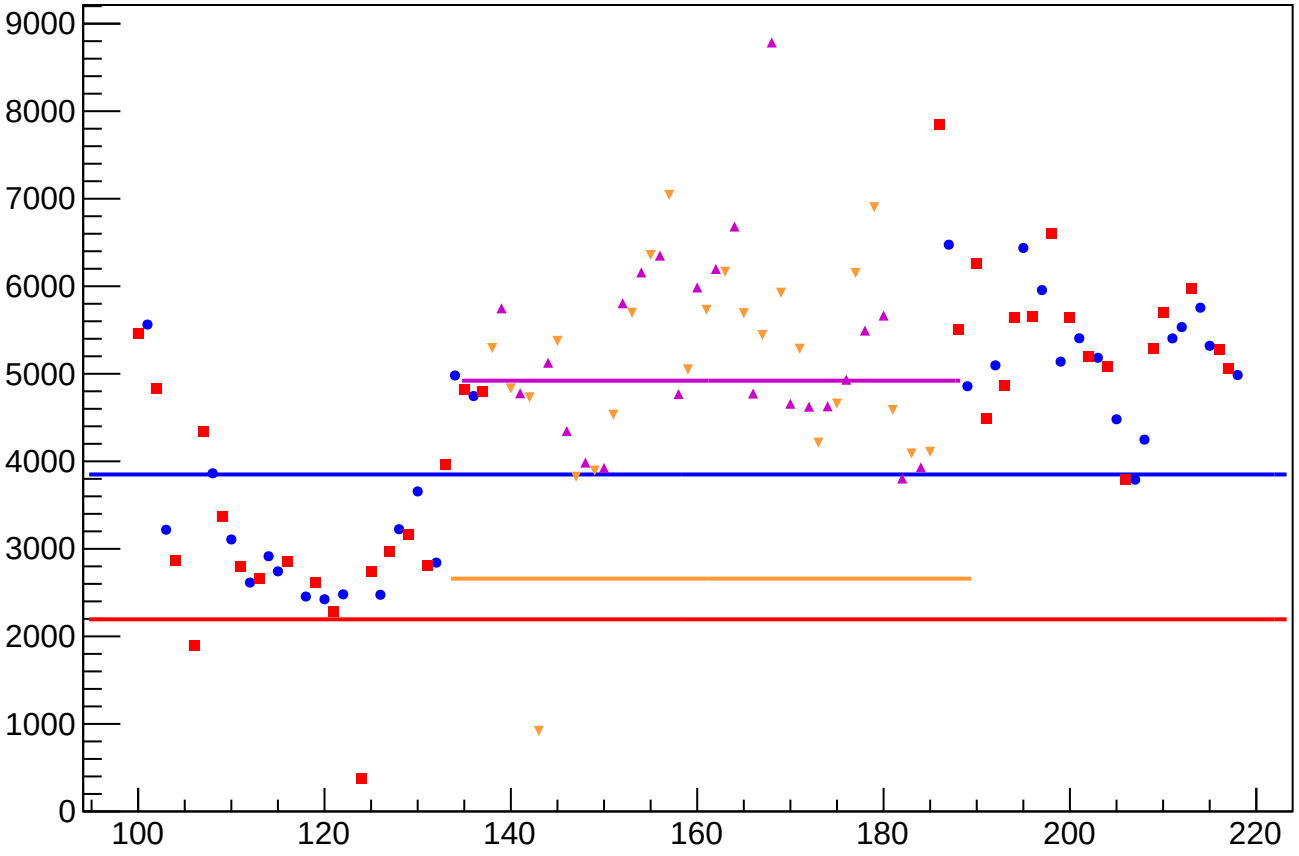
Left In: 62.369+/-1173.429 χ^2/NDF:13.0/22

+ sign -603.303+/-586.717 χ^2/NDF: 72.3/56

All: -583.636+/-408.343 χ^2/NDF: 155.4/115

- sign -565.159+/-568.674 χ^2/NDF: 83.1/58

asym_atr1l2_avg_reg_correction_rms vs Slug



Right In: 3849.920+/-0.639 χ^2/NDF: 3677005.4/31

Left Out: 2660.009+/-0.546 χ^2/NDF:14536074.6/24

Right Out: 2194.879+/-0.460 χ^2/NDF: 18055769.4/35

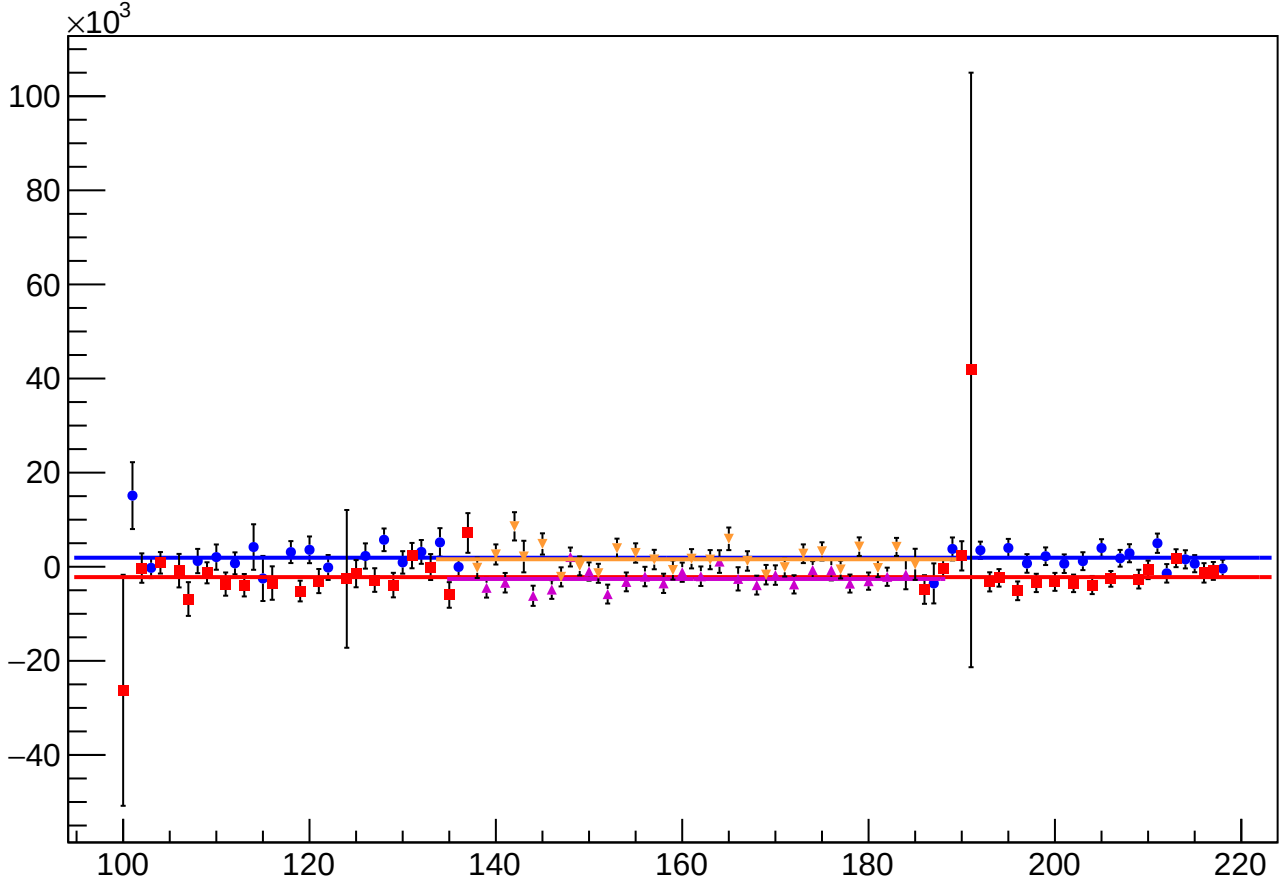
Left In: 4921.319+/-0.830 χ^2/NDF:1251123.1/22

+ sign 3162.307+/-0.415 χ^2/NDF: 20219759.1/56

All: 2993.655+/-0.289 χ^2/NDF: 48108439.6/1

- sign 2835.216+/-0.402 χ^2/NDF: 27568176.6/58

cor_asym_atr1l2_avg_mean vs Slug



Right In: 1917.168+/-397.494 χ^2/NDF: 25.8/31

Left Out: 1592.431+/-423.298 χ^2/NDF:31.3/24

Right Out: -2204.206+/-397.190 χ^2/NDF: 33.4/35

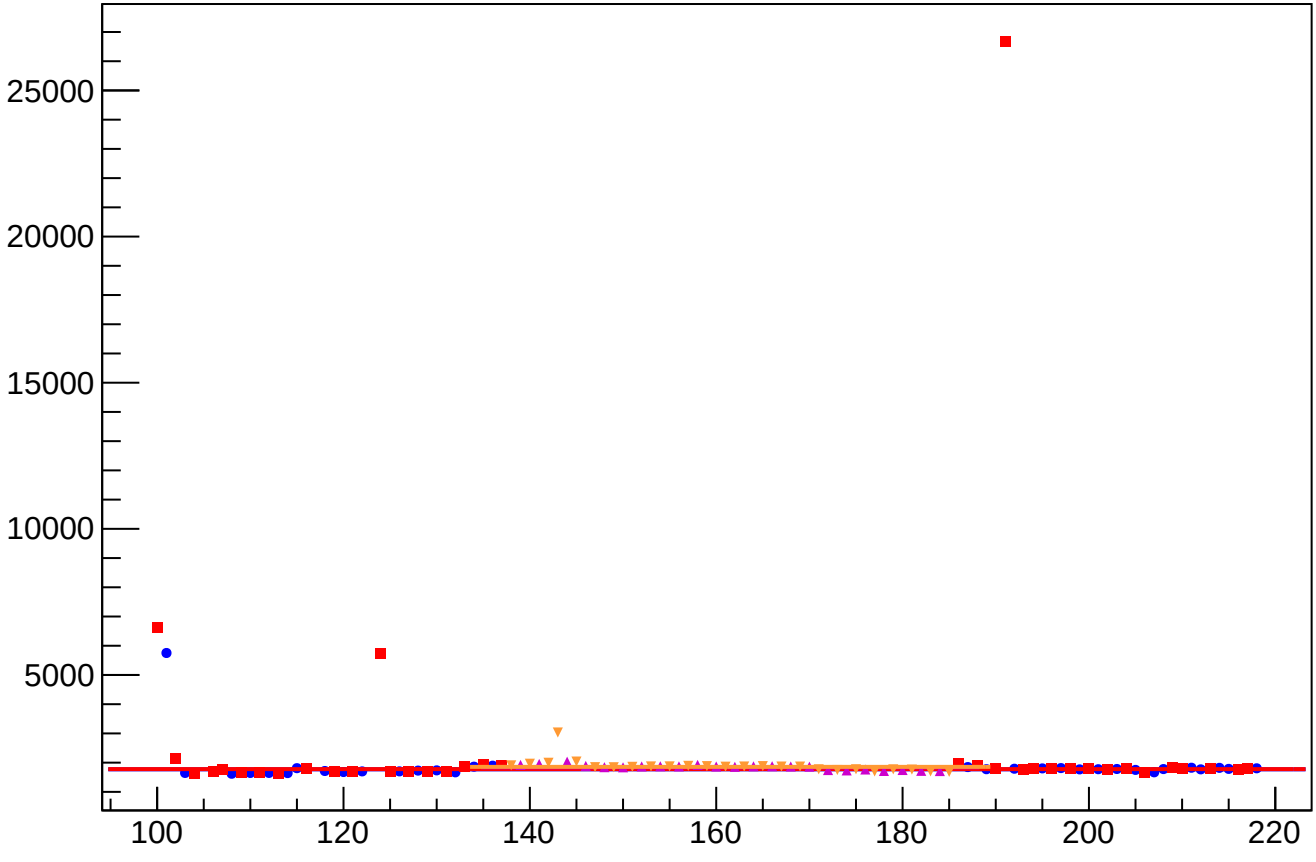
Left In: -2597.812+/-430.293 χ^2/NDF:20.1/22

+ sign 1764.999+/-289.764 χ^2/NDF: 57.4/56

All: -295.201+/-205.630 χ^2/NDF: 213.1/115

- sign -2385.288+/-291.858 χ^2/NDF: 53.9/58

cor_asym_atr1l2_avg_rms vs Slug



Right In: 1770.630+/-0.281 χ^2/NDF: 685330.6/31

Left Out: 1855.560+/-0.299 χ^2/NDF:324267.7/24

Right Out: 1778.437+/-0.280 χ^2/NDF: 640812.8/35

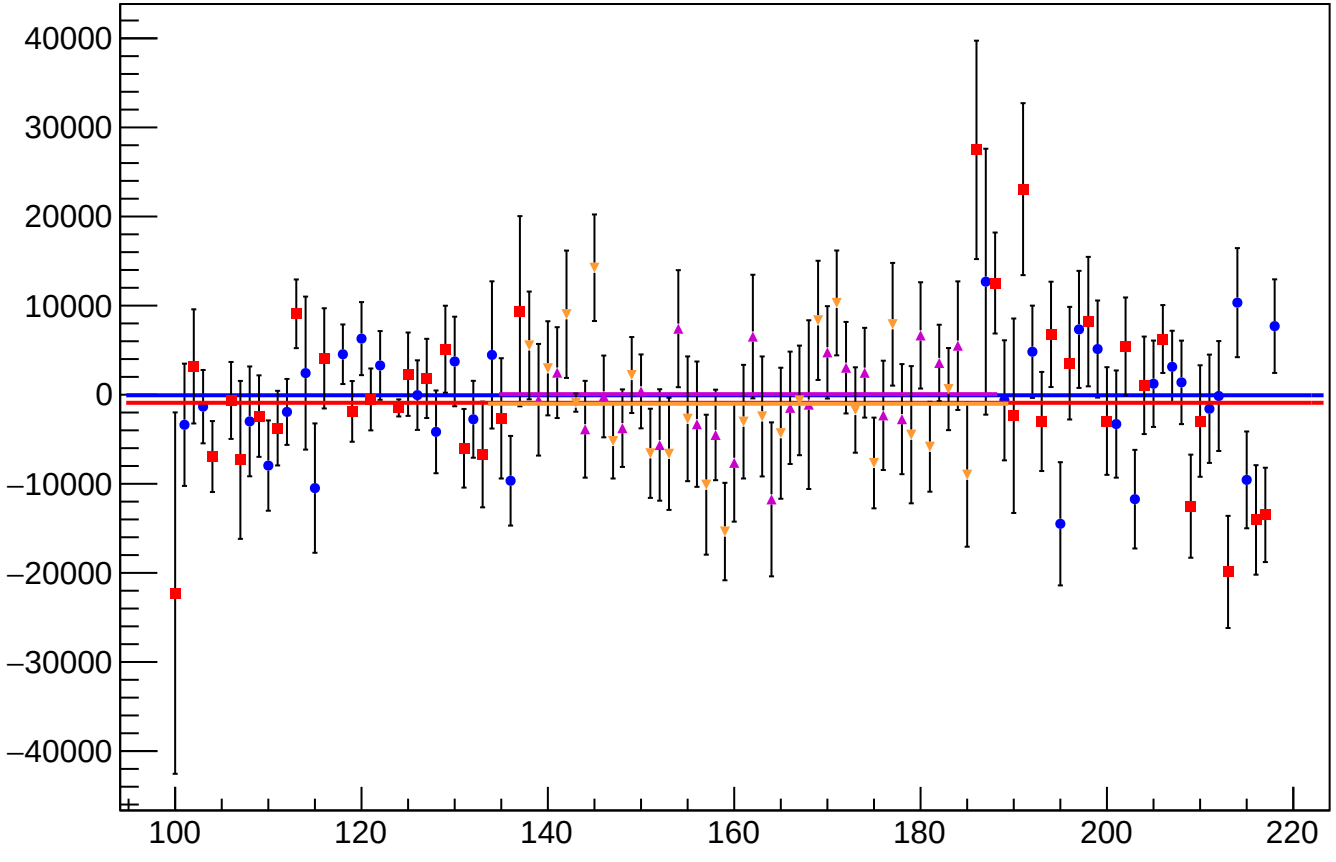
Left In: 1840.981+/-0.304 χ^2/NDF:70985.8/22

+ sign 1810.427+/-0.205 χ^2/NDF: 1052382.7/56

All: 1808.808+/-0.145 χ^2/NDF: 1787150.6/11

- sign 1807.168+/-0.206 χ^2/NDF: 734642.3/58

asym_atr1l2_avg_cor_correction_mean vs Slug



Right In: -63.746+/-902.486 χ^2/NDF: 38.0/31

Left Out: -1018.712+/-771.798 χ^2/NDF:33.7/24

Right Out: -907.001+/-654.223 χ^2/NDF: 68.1/35

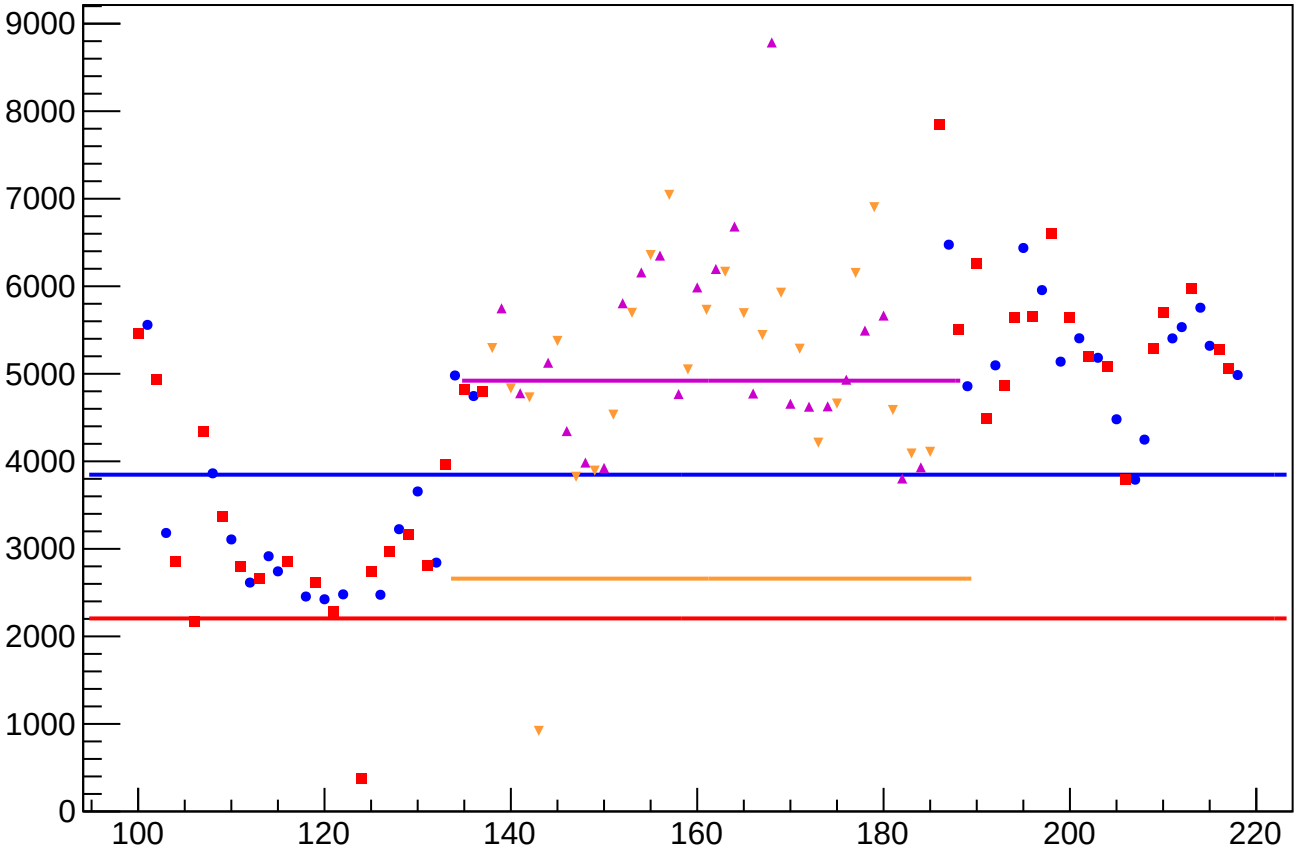
Left In: 62.286+/-1173.429 χ^2/NDF:13.0/22

+ sign -615.318+/-586.558 χ^2/NDF: 72.4/56

All: -647.044+/-409.300 χ^2/NDF: 154.1/115

- sign -677.153+/-571.414 χ^2/NDF: 81.7/58

asym_atr1l2_avg_cor_correction_rms vs Slug



Right In: 3847.373+/-0.638 χ^2/NDF: 3683389.2/31

Left Out: 2659.907+/-0.546 χ^2/NDF:14536813.3/24

Right Out: 2205.129+/-0.463 χ^2/NDF: 18055588.0/35

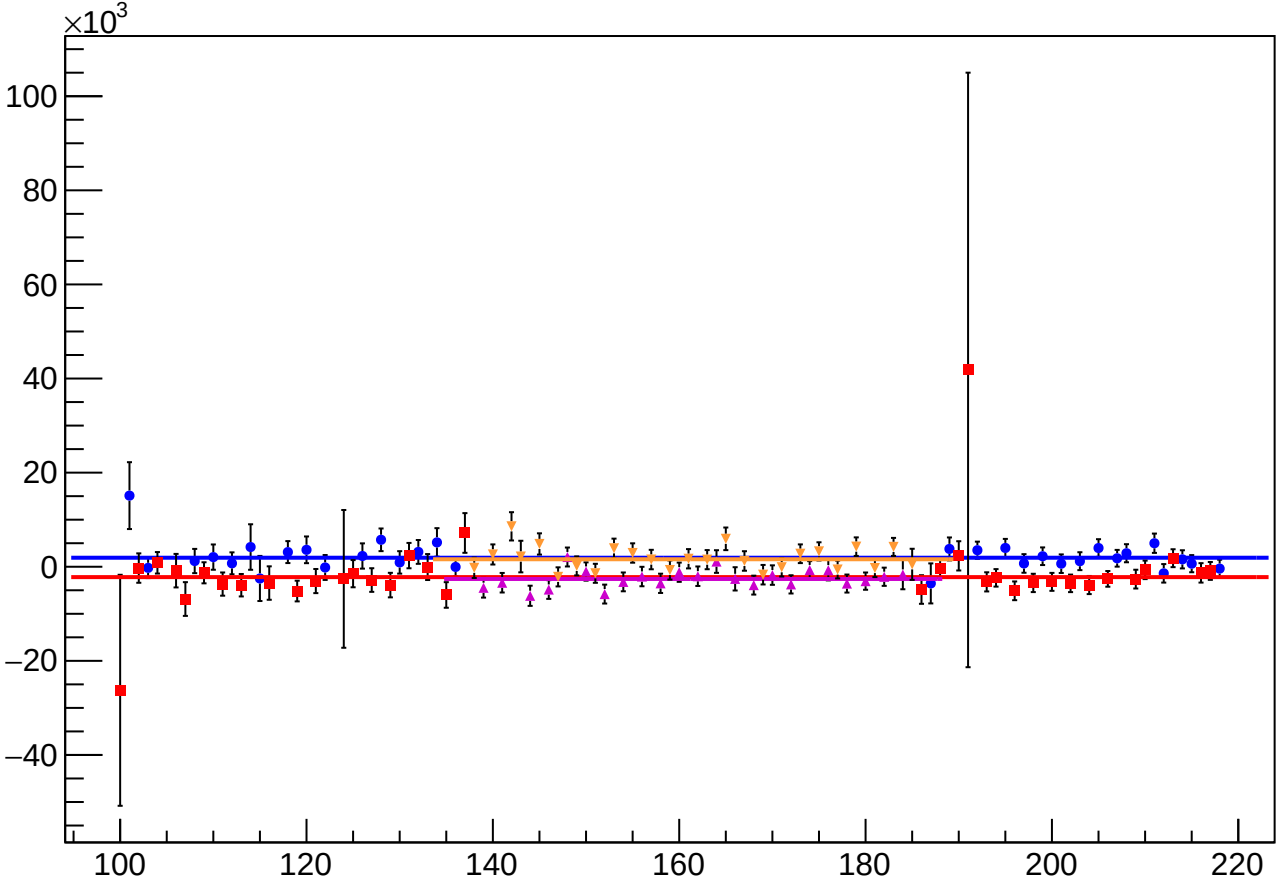
Left In: 4921.316+/-0.830 χ^2/NDF:1251131.6/22

+ sign 3161.513+/-0.415 χ^2/NDF: 20220092.8/56

All: 3001.283+/-0.289 χ^2/NDF: 47992652.7/1

- sign 2849.221+/-0.404 χ^2/NDF: 27481681.2/58

eigen_cor_asym_atr1l2_avg_mean vs Slug



Right In: 1917.168+/-397.494 χ^2/NDF: 25.8/31

Left Out: 1592.431+/-423.298 χ^2/NDF:31.3/24

Right Out: -2204.206+/-397.190 χ^2/NDF: 33.4/35

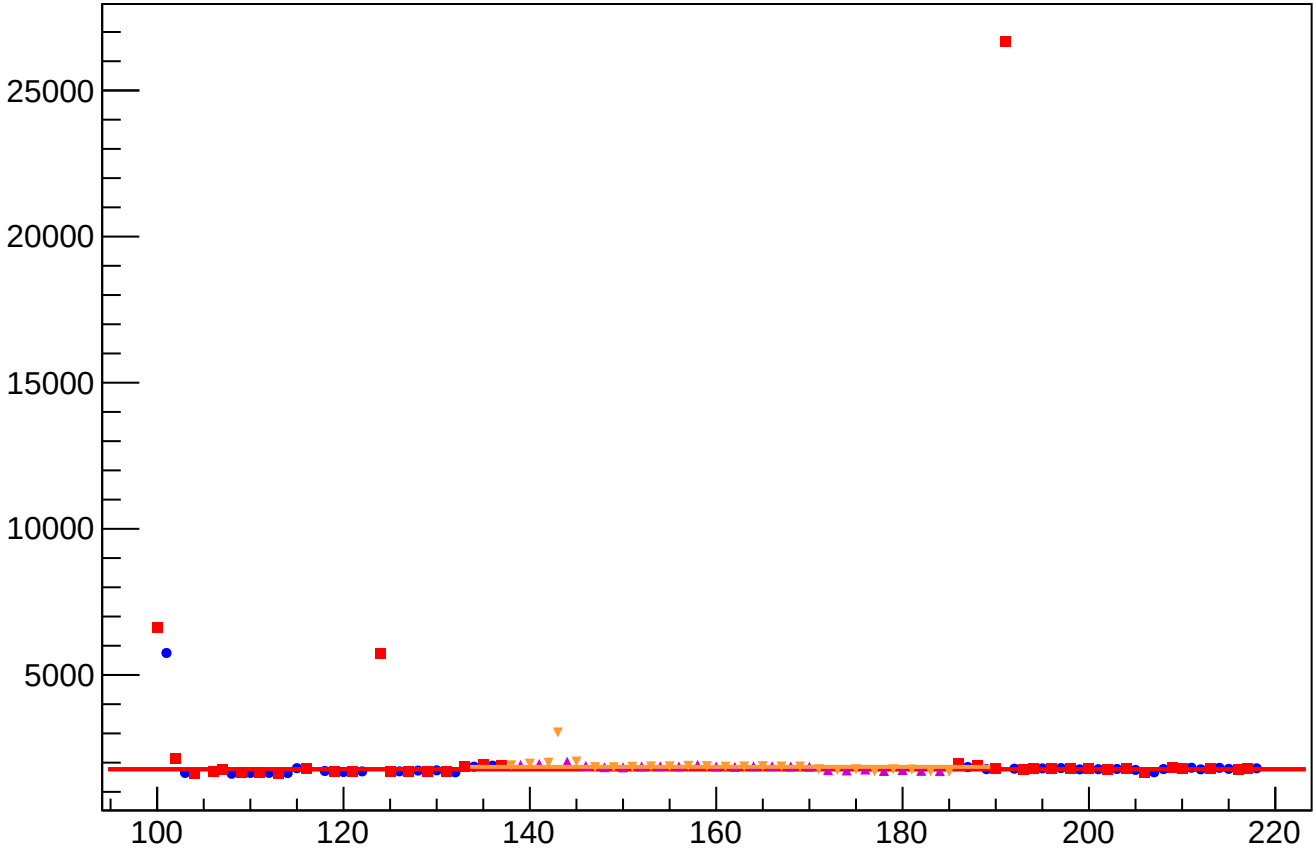
Left In: -2597.812+/-430.293 χ^2/NDF:20.1/22

+ sign 1764.999+/-289.764 χ^2/NDF: 57.4/56

All: -295.201+/-205.630 χ^2/NDF: 213.1/115

- sign -2385.288+/-291.858 χ^2/NDF: 53.9/58

eigen_cor_asym_atr1l2_avg_rms vs Slug



Right In: 1770.630+/-0.281 χ^2/NDF: 685330.6/31

Left Out: 1855.560+/-0.299 χ^2/NDF:324267.7/24

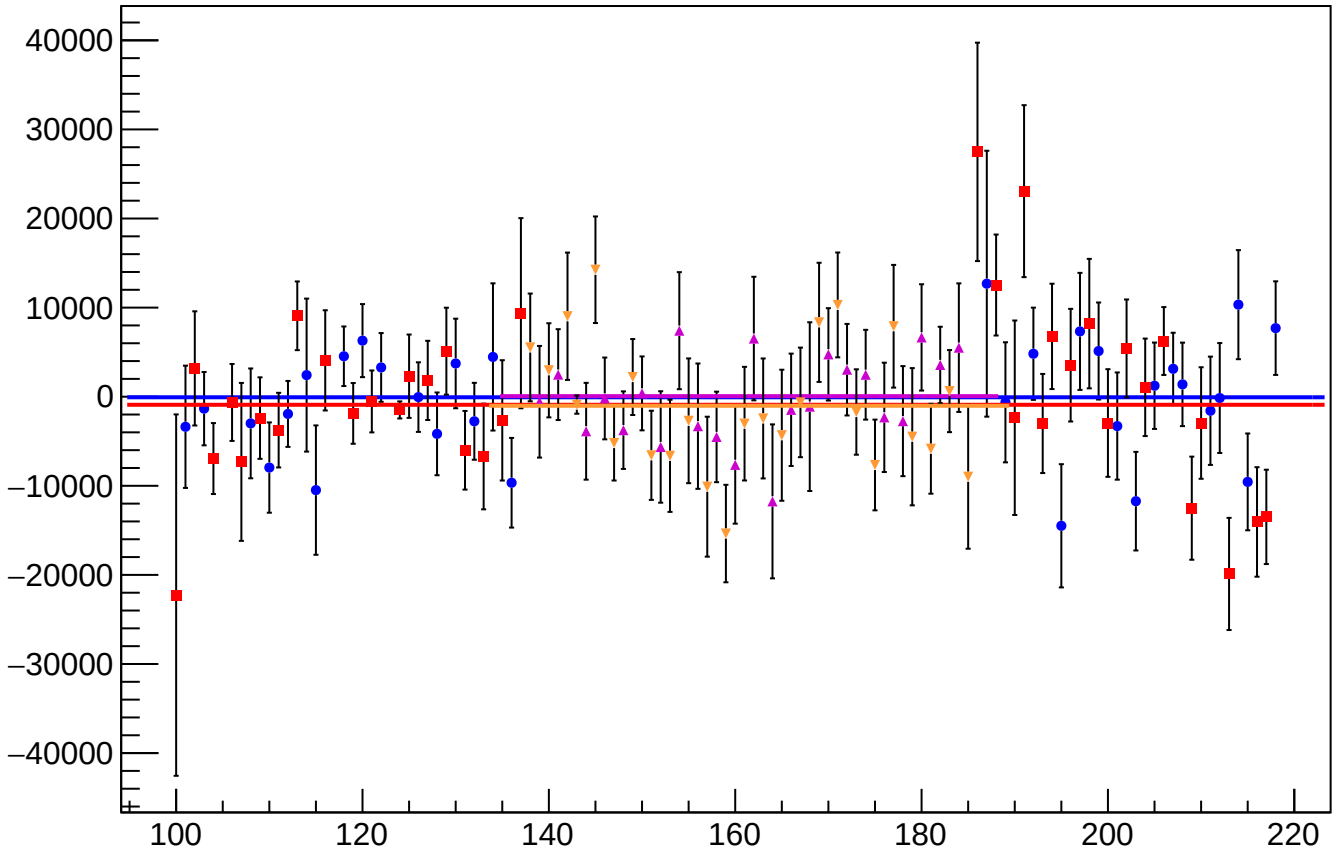
Right Out: 1778.437+/-0.280 χ^2/NDF: 640812.8/35

Left In: 1840.981+/-0.304 χ^2/NDF:70985.8/22

+ sign 1810.427+/-0.205 χ^2/NDF: 1052382.7/56

All: 1808.808+/-0.145 χ^2/NDF: 1787150.6/11

- sign 1807.168+/-0.206 χ^2/NDF: 734642.3/58



Right In: -63.746+/-902.486 χ^2/NDF: 38.0/31

Left Out: -1018.712+/-771.798 χ^2/NDF:33.7/24

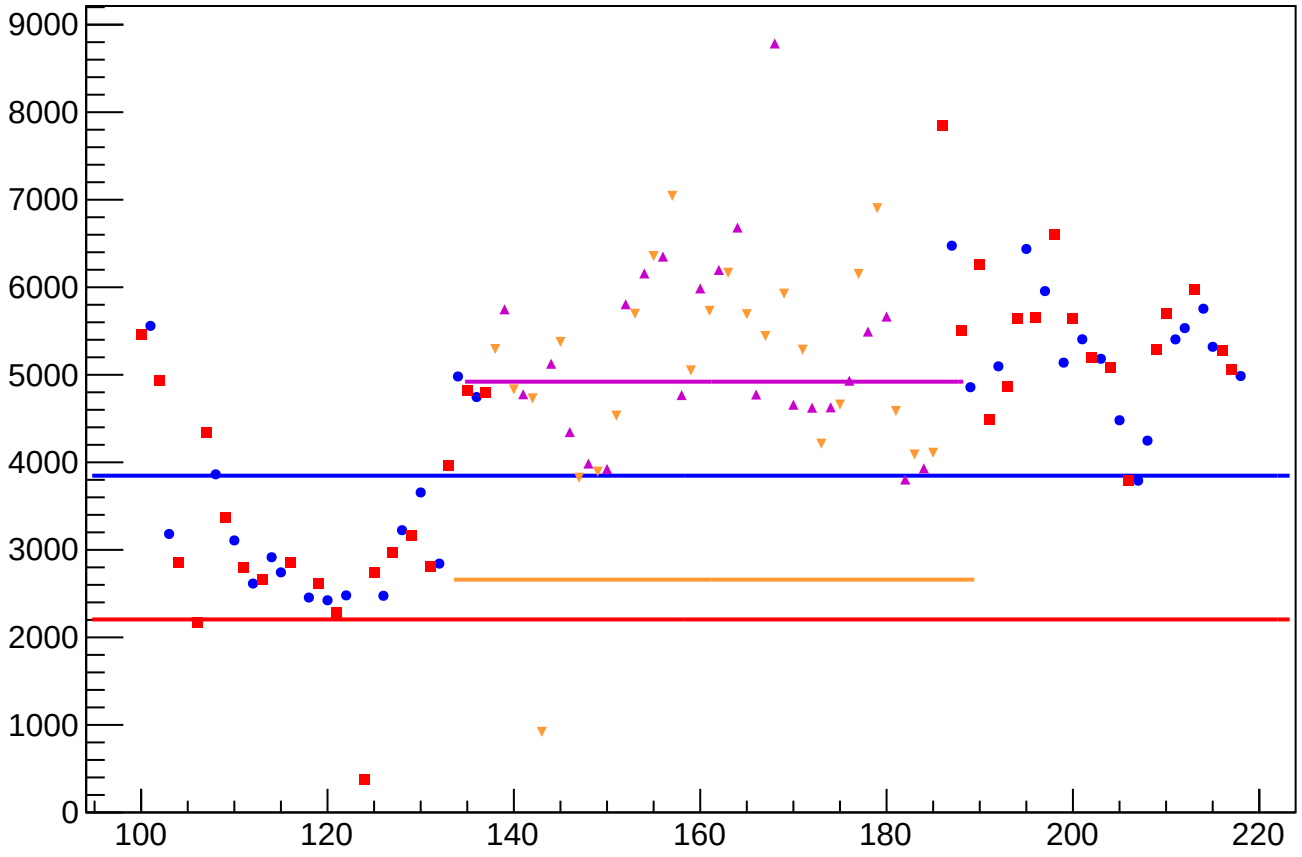
Right Out: -907.001+/-654.223 χ^2/NDF: 68.1/35

Left In: 62.286+/-1173.429 χ^2/NDF:13.0/22

+ sign -615.318+/-586.558 χ^2/NDF: 72.4/56

All: -647.044+/-409.300 χ^2/NDF: 154.1/115

- sign -677.153+/-571.414 χ^2/NDF: 81.7/58



Right In: 3847.373+/-0.638 χ^2/NDF: 3683389.2/31

Left Out: 2659.907+/-0.546 χ^2/NDF:14536813.3/24

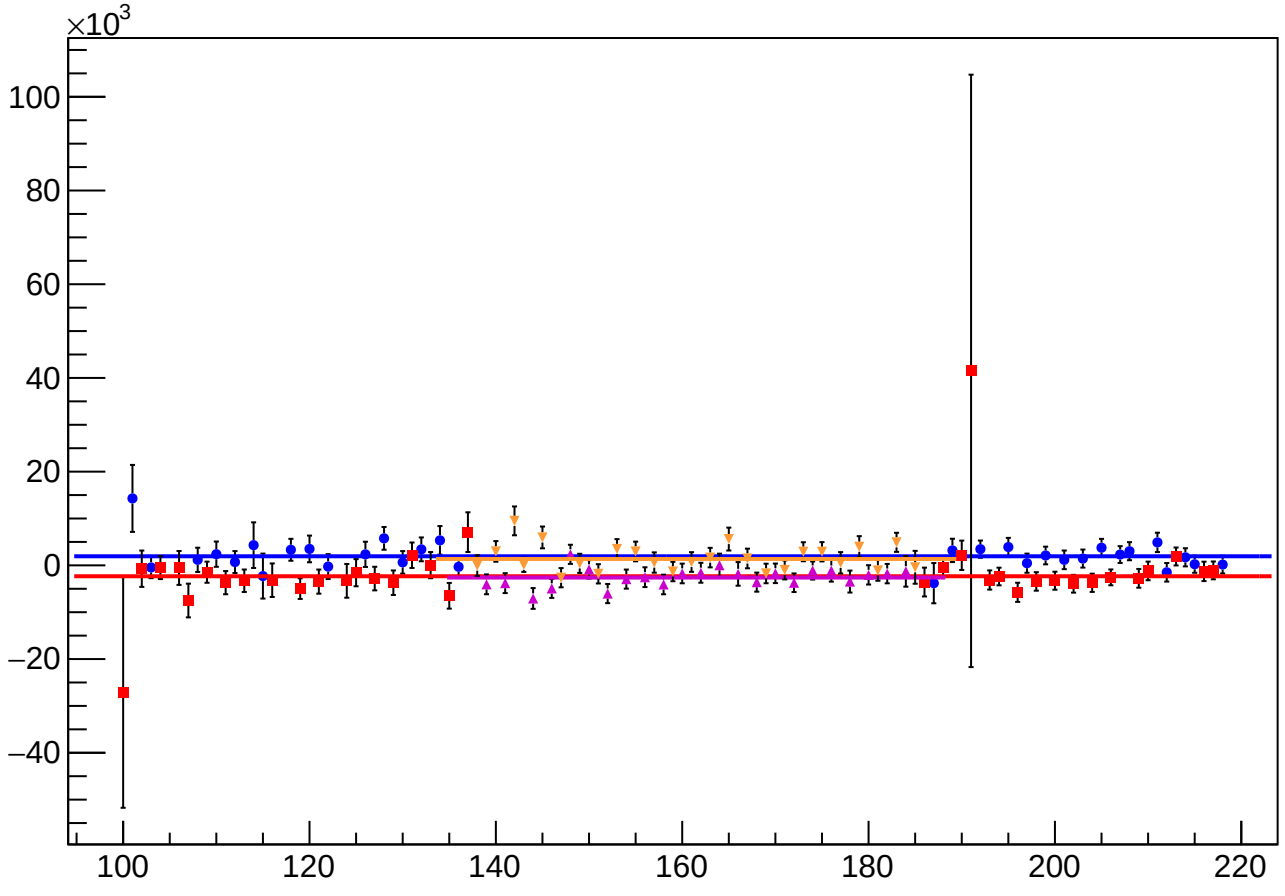
Right Out: 2205.129+/-0.463 χ^2/NDF: 18055588.0/35

Left In: 4921.316+/-0.830 χ^2/NDF:1251131.6/22

+ sign 3161.513+/-0.415 χ^2/NDF: 20220092.8/56

All: 3001.283+/-0.289 χ^2/NDF: 47992652.7/1

- sign 2849.221+/-0.404 χ^2/NDF: 27481681.2/58



Right In: 1936.382+/-401.368 χ^2/NDF: 25.0/31

Left Out: 1363.887+/-427.332 χ^2/NDF:36.1/24

Right Out: -2327.143+/-400.040 χ^2/NDF: 31.8/35

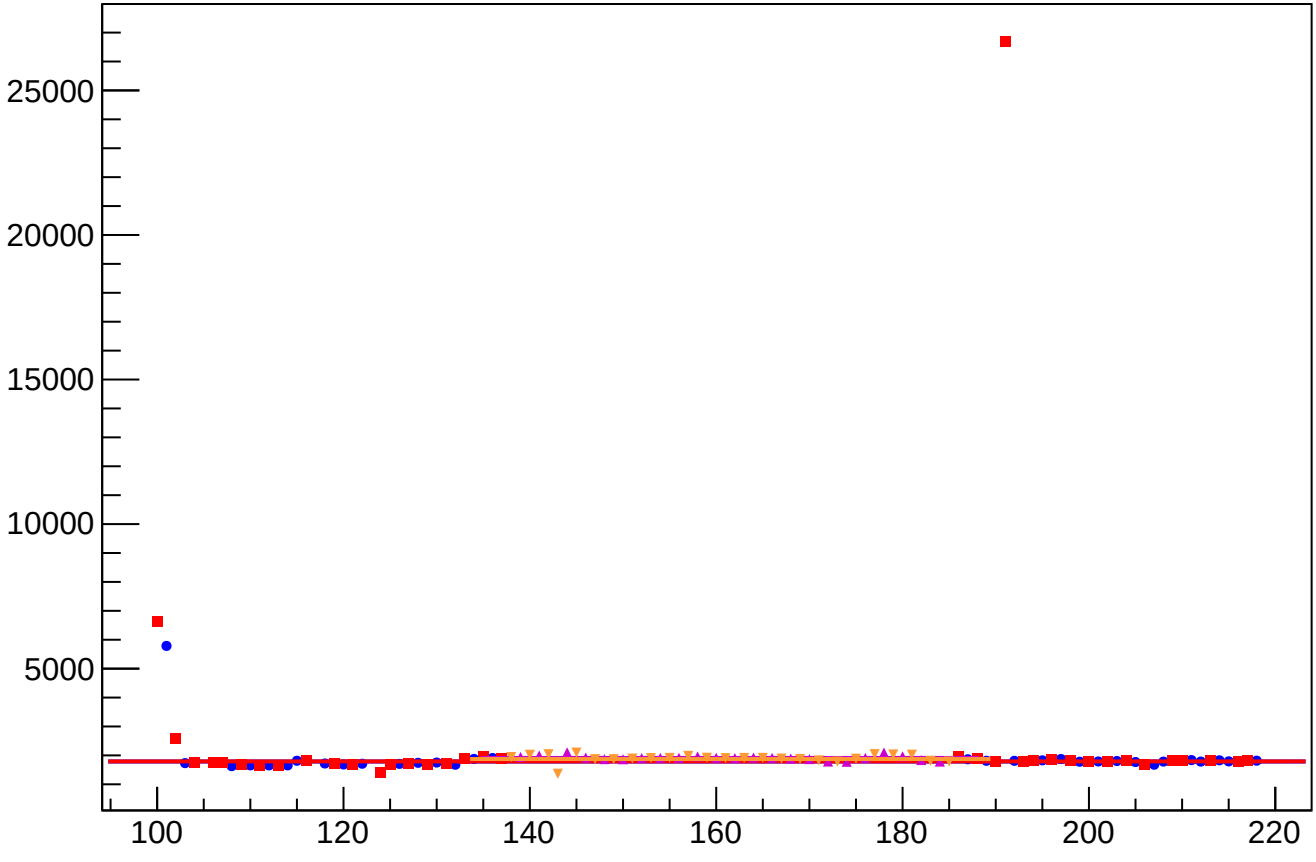
Left In: -2602.835+/-446.741 χ^2/NDF:20.0/22

+ sign 1668.054+/-292.559 χ^2/NDF: 62.0/56

All: -352.819+/-208.774 χ^2/NDF: 211.3/115

- sign -2449.830+/-298.019 χ^2/NDF: 52.0/58

dit_asym_atr1l2_avg_rms vs Slug



Right In: 1787.725+/-0.284 χ^2/NDF: 685213.7/31

Left Out: 1873.177+/-0.302 χ^2/NDF:309733.7/24

Right Out: 1791.550+/-0.283 χ^2/NDF: 563761.1/35

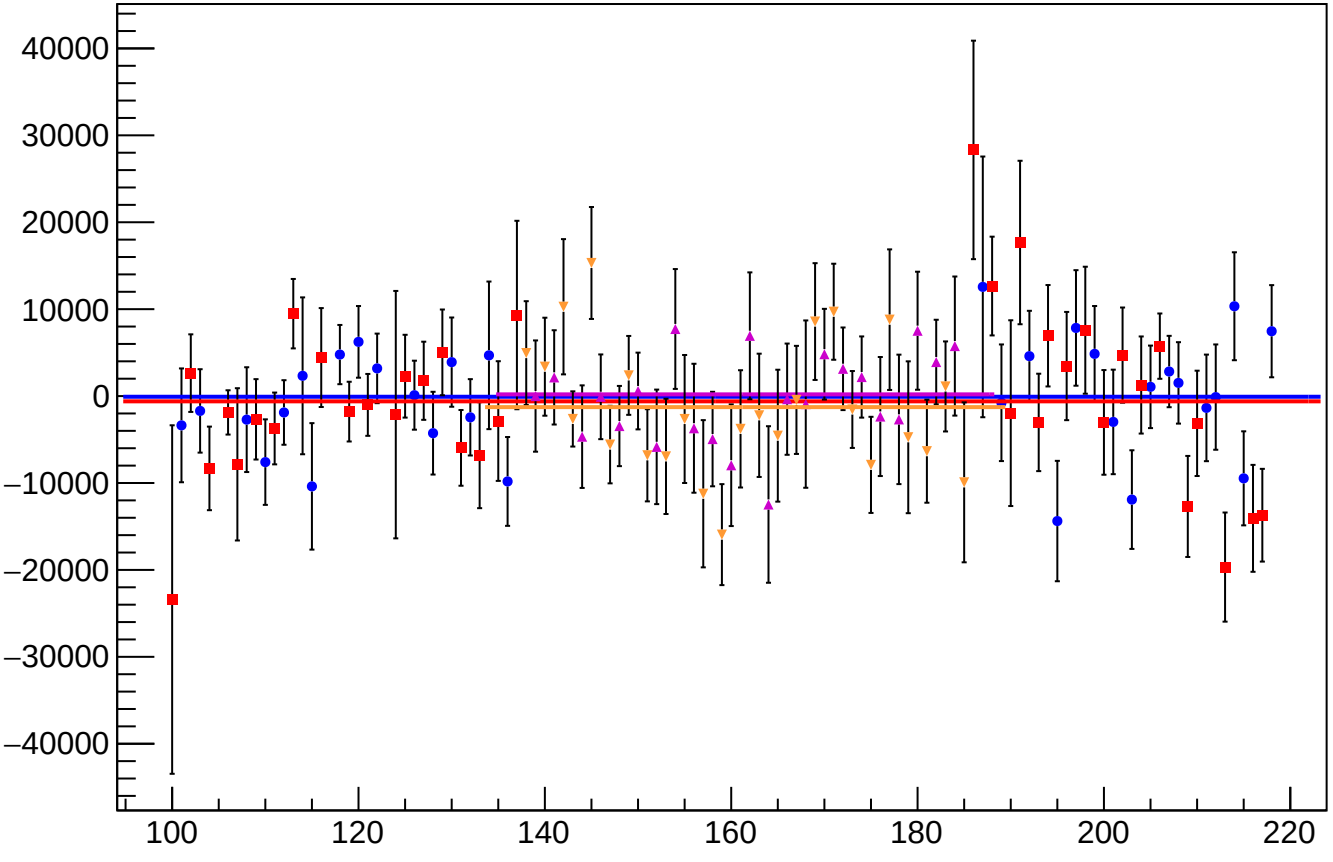
Left In: 1911.423+/-0.316 χ^2/NDF:59139.8/22

+ sign 1827.776+/-0.207 χ^2/NDF: 1037437.9/56

All: 1836.154+/-0.148 χ^2/NDF: 1743666.7/11

- sign 1844.837+/-0.211 χ^2/NDF: 702889.0/58

asym_atr1l2_avg_dit_correction_mean vs Slug



Right In: -76.571+/-915.321 χ^2/NDF: 37.0/31

Left Out: -1269.760+/-1156.132 χ^2/NDF:33.4/24

Right Out: -605.224+/-862.241 χ^2/NDF: 65.6/35

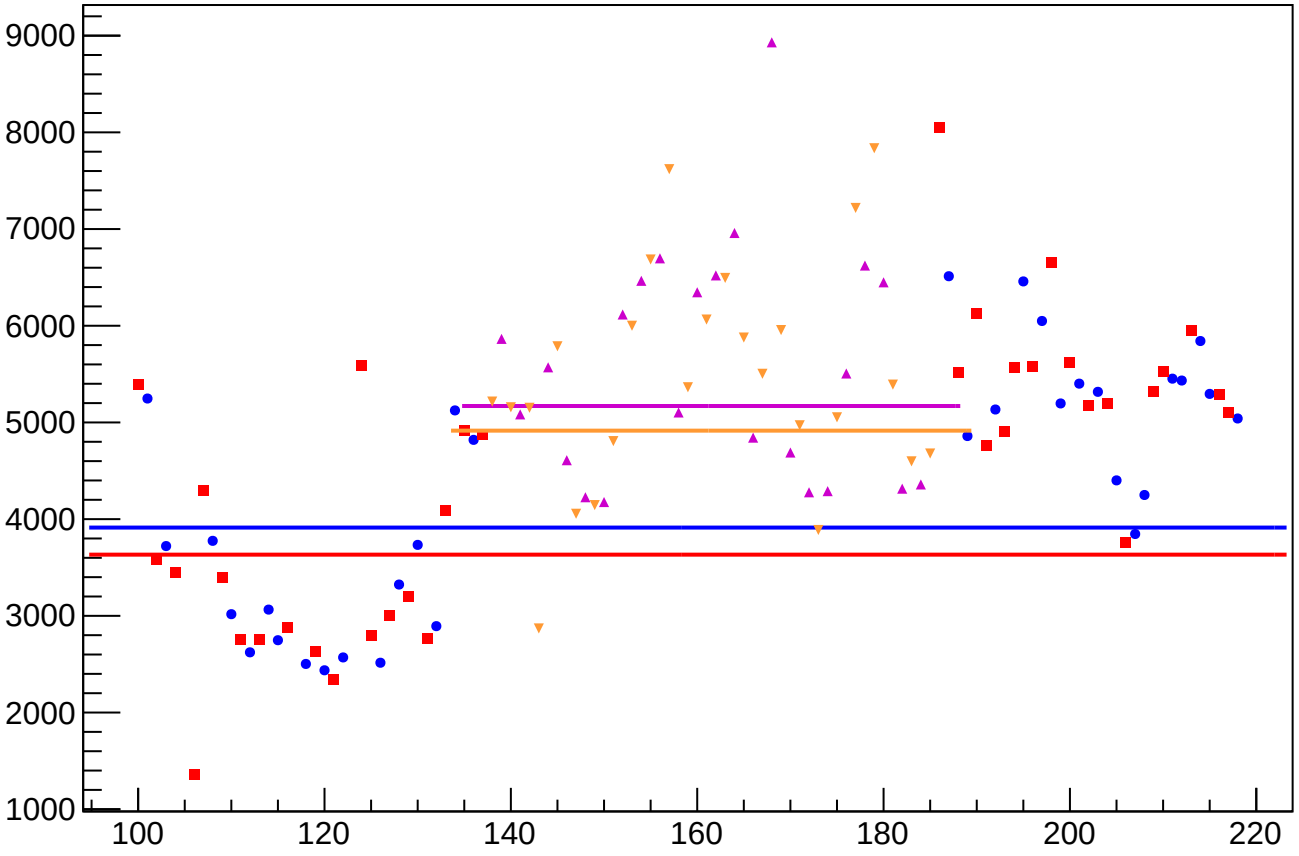
Left In: 196.917+/-1234.538 χ^2/NDF:12.7/22

+ sign -536.304+/-717.639 χ^2/NDF: 71.1/56

All: -437.802+/-503.606 χ^2/NDF: 149.7/115

- sign -342.226+/-706.896 χ^2/NDF: 78.6/58

asym_atr1l2_avg_dit_correction_rms vs Slug



Right In: 3912.872+/-0.647 χ^2/NDF: 3518741.7/31

Left Out: 4915.244+/-0.818 χ^2/NDF:2166229.1/24

Right Out: 3632.810+/-0.610 χ^2/NDF: 5554819.2/35

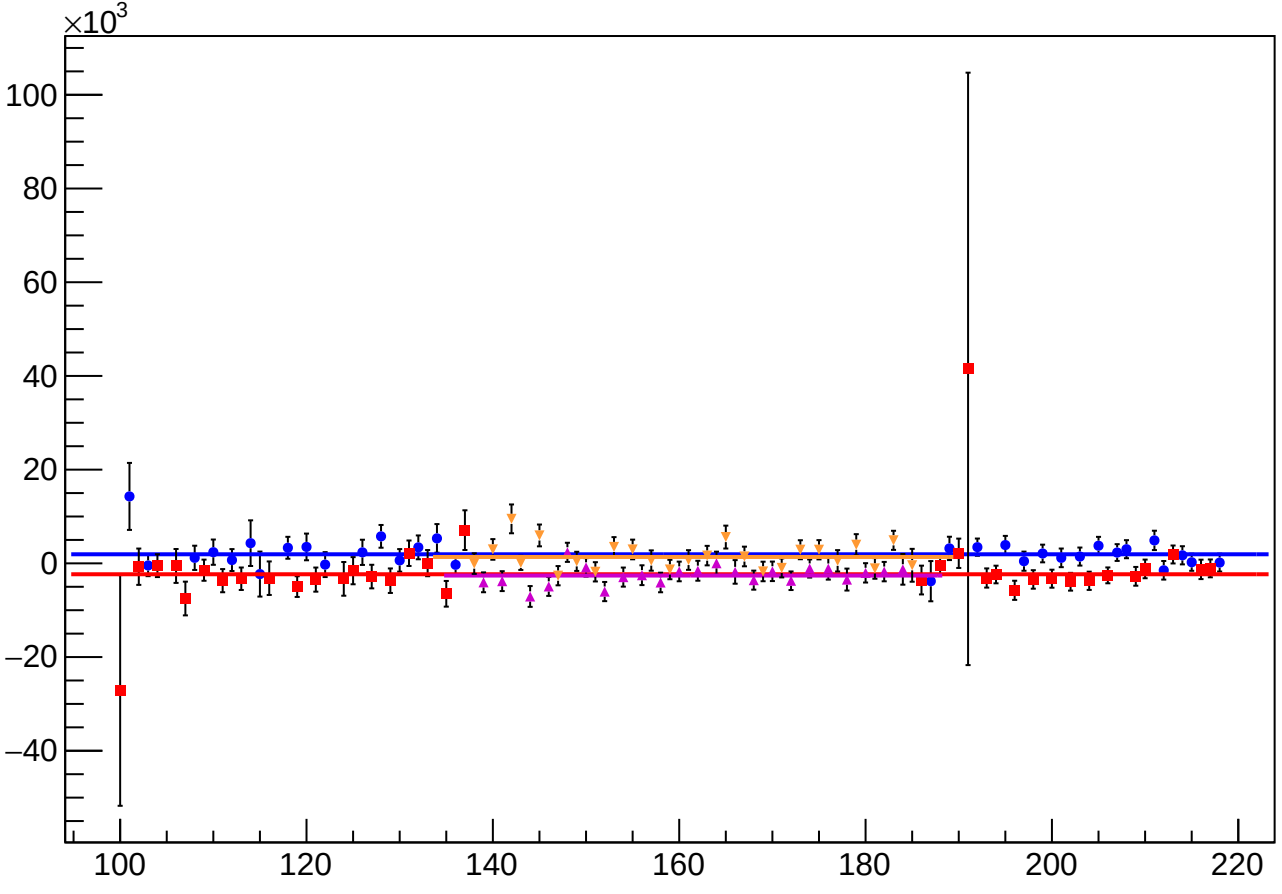
Left In: 5170.028+/-0.873 χ^2/NDF:1348711.3/22

+ sign 4299.084+/-0.507 χ^2/NDF: 6609110.9/56

All: 4216.727+/-0.356 χ^2/NDF: 15648765.1/1

- sign 4136.818+/-0.500 χ^2/NDF: 8987756.7/58

eigen_dit_asym_atr1l2_avg_mean vs Slug



Right In: 1936.384+/-401.368 χ^2/NDF: 25.0/31

Left Out: 1363.884+/-427.333 χ^2/NDF:36.1/24

Right Out: -2327.140+/-400.040 χ^2/NDF: 31.8/35

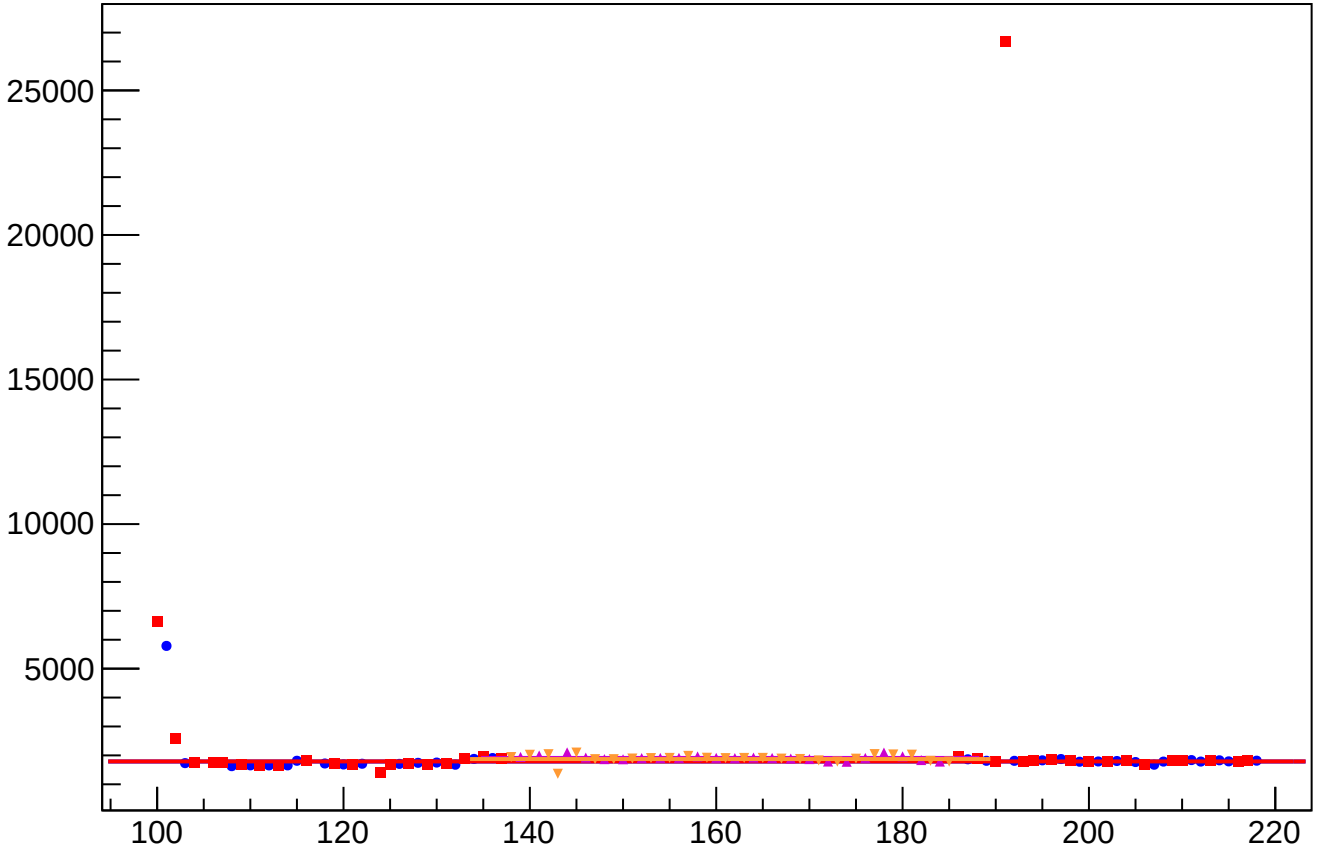
Left In: -2602.834+/-446.742 χ^2/NDF:20.0/22

+ sign 1668.054+/-292.559 χ^2/NDF: 62.0/56

All: -352.818+/-208.774 χ^2/NDF: 211.3/115

- sign -2449.828+/-298.019 χ^2/NDF: 52.0/58

eigen_dit_asym_atr1l2_avg_rms vs Slug



Right In: 1787.725+/-0.284 χ^2/NDF: 685213.8/31

Left Out: 1873.178+/-0.302 χ^2/NDF:309737.2/24

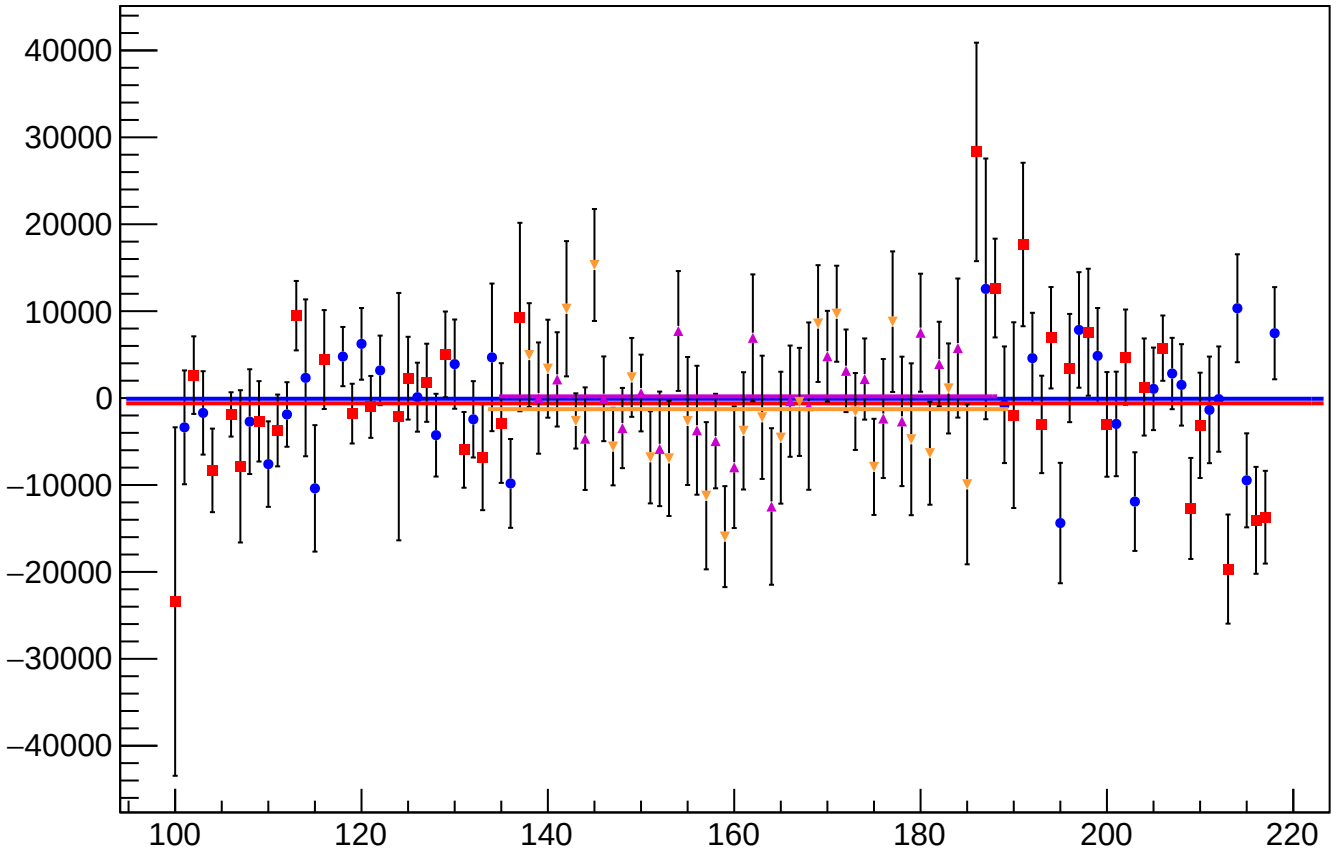
Right Out: 1791.550+/-0.283 χ^2/NDF: 563761.2/35

Left In: 1911.425+/-0.316 χ^2/NDF:59142.0/22

+ sign 1827.777+/-0.207 χ^2/NDF: 1037442.4/56

All: 1836.154+/-0.148 χ^2/NDF: 1743675.0/11

- sign 1844.838+/-0.211 χ^2/NDF: 702892.9/58



Right In: -76.567+/-915.320 χ^2/NDF: 37.0/31

Left Out: -1269.765+/-1156.133 χ^2/NDF:33.4/24

Right Out: -605.227+/-862.239 χ^2/NDF: 65.6/35

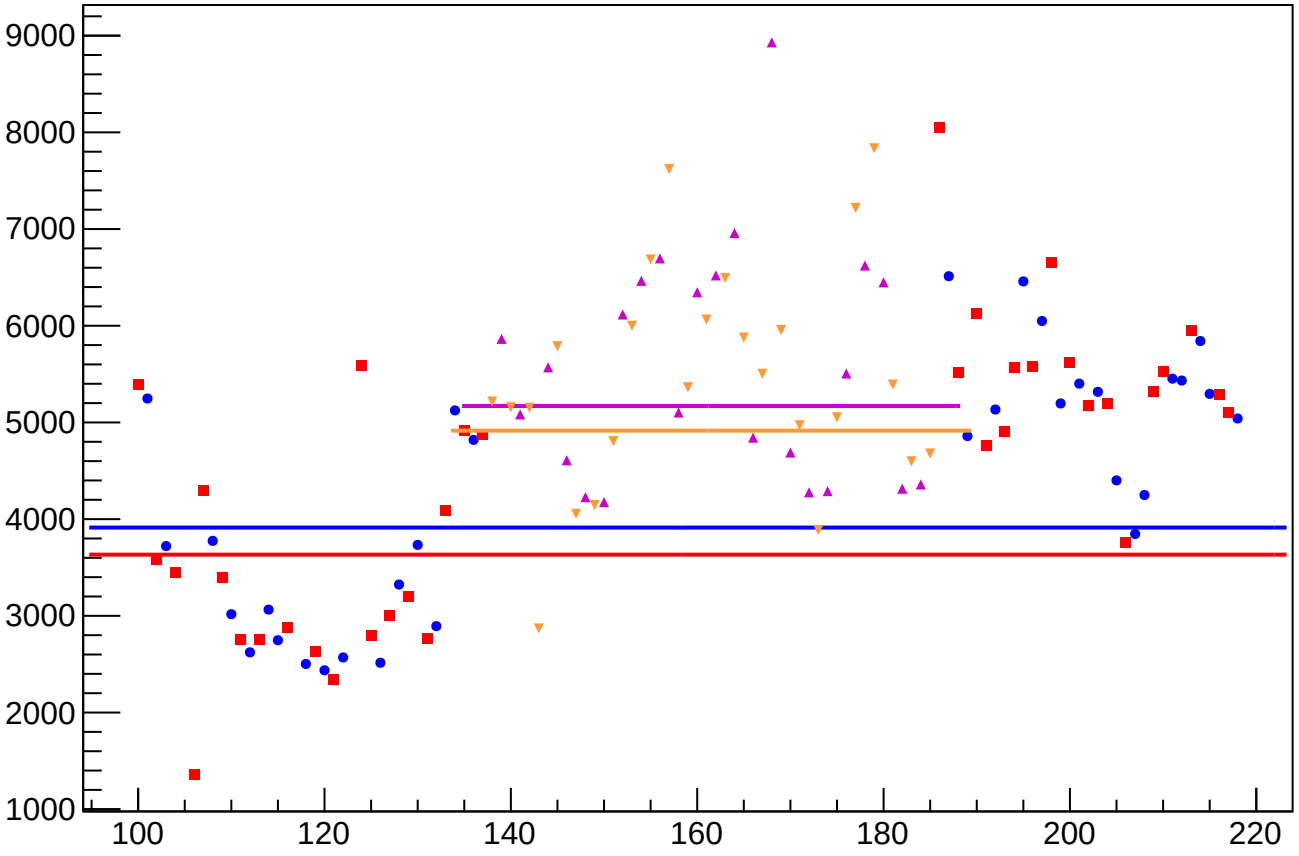
Left In: 196.918+/-1234.540 χ^2/NDF:12.7/22

+ sign -536.303+/-717.639 χ^2/NDF: 71.1/56

All: -437.802+/-503.606 χ^2/NDF: 149.7/115

- sign -342.229+/-706.895 χ^2/NDF: 78.6/58

asym_atr1l2_avg_eigen_dit_correction_rms vs Slug



Right In: 3912.866+/-0.647 χ^2/NDF: 3518801.1/31

Left Out: 4915.251+/-0.818 χ^2/NDF:2166236.2/24

Right Out: 3632.799+/-0.610 χ^2/NDF: 5554899.4/35

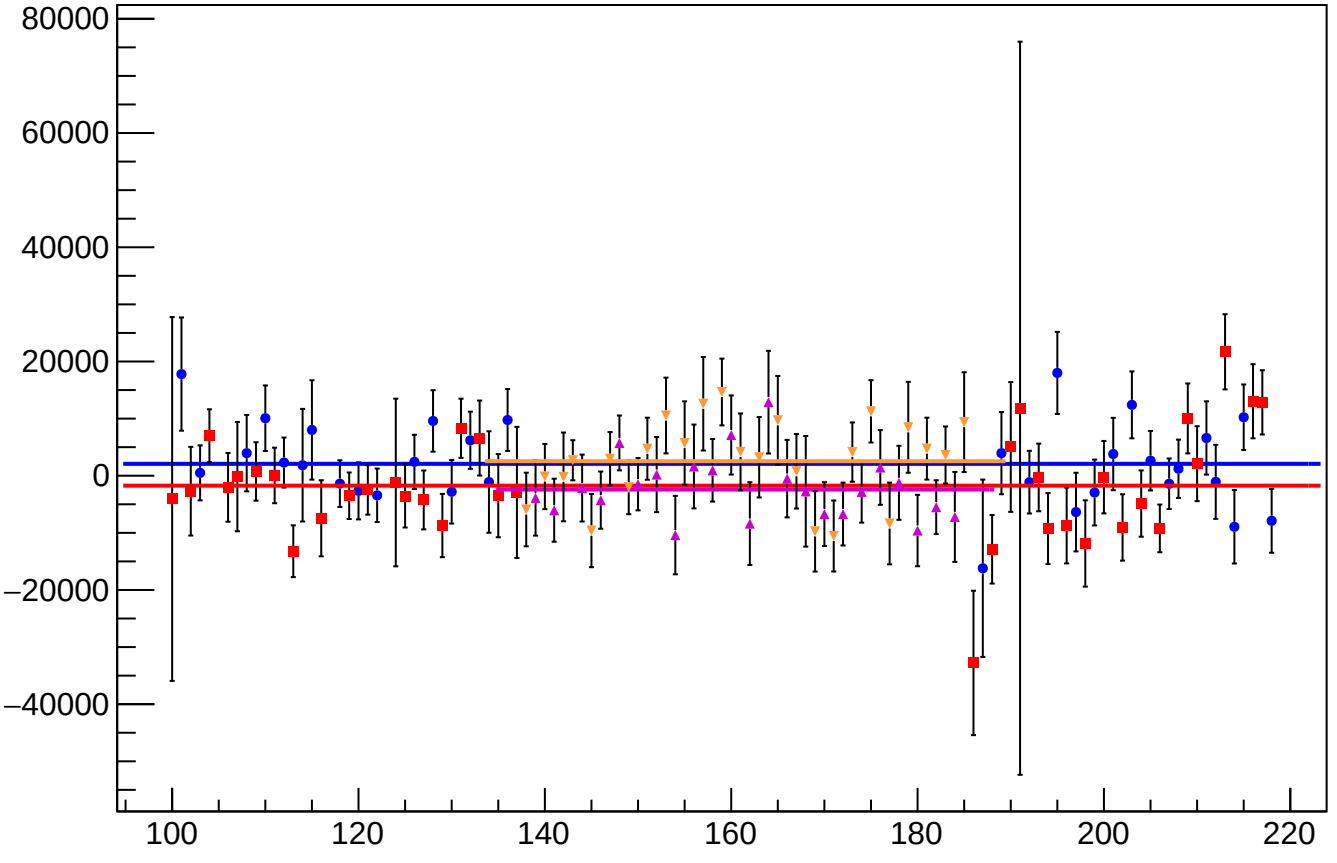
Left In: 5170.035+/-0.873 χ^2/NDF:1348713.2/22

+ sign 4299.082+/-0.507 χ^2/NDF: 6609199.6/56

All: 4216.722+/-0.356 χ^2/NDF: 15648988.6/1

- sign 4136.810+/-0.500 χ^2/NDF: 8987888.2/58

asym_atr1l2_avg_mean vs Slug



Right In: 2081.586+/-1016.620 χ^2/NDF: 35.4/31

Left Out: 2547.072+/-1187.668 χ^2/NDF:29.1/24

Right Out: -1738.827+/-1015.682 χ^2/NDF: 66.8/35

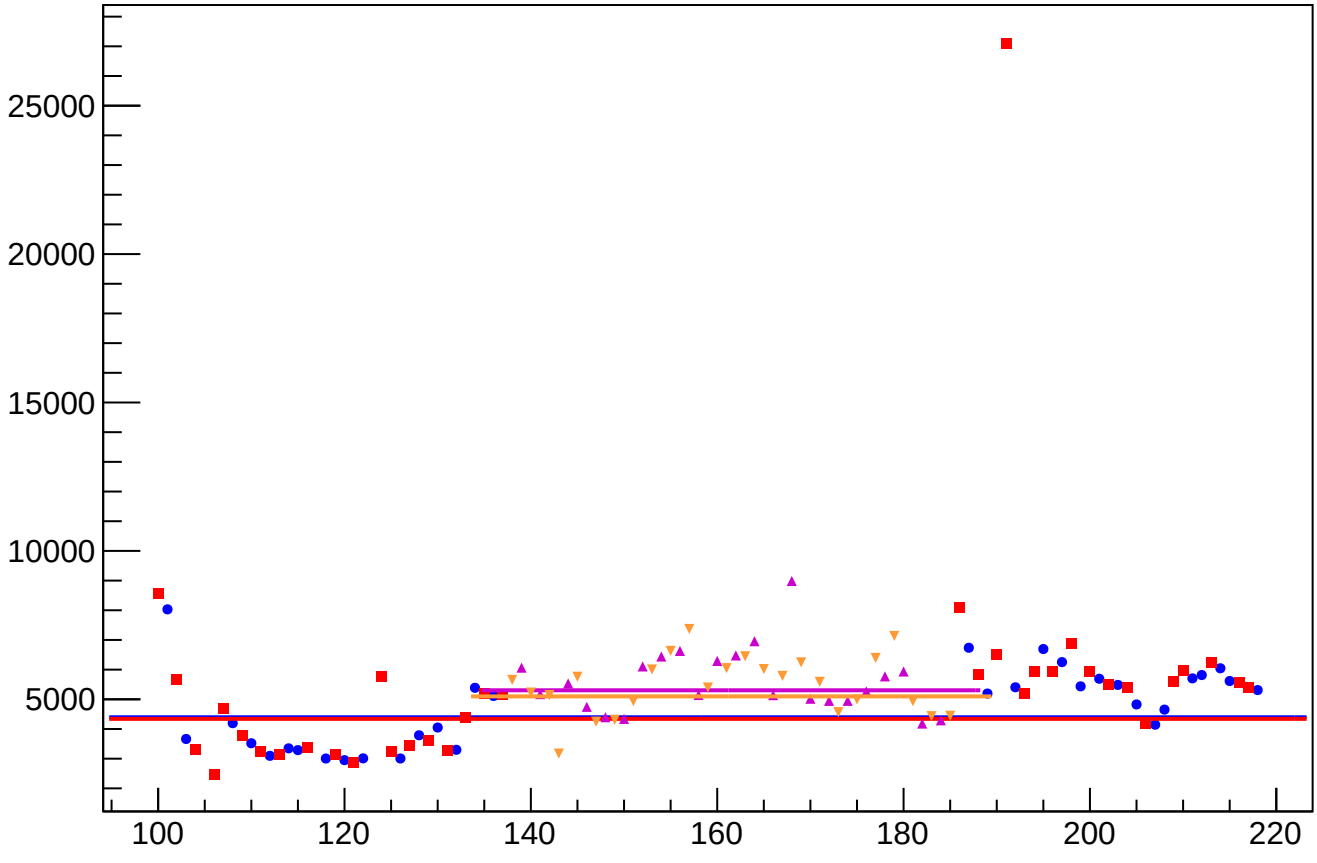
Left In: -2423.016+/-1259.653 χ^2/NDF:15.0/22

+ sign 2278.424+/-772.319 χ^2/NDF: 64.5/56

All: 185.342+/-552.486 χ^2/NDF: 161.5/115

- sign -2008.394+/-790.671 χ^2/NDF: 82.0/58

asym_atr1l2_avg_rms vs Slug



Right In: 4394.529+/-0.719 χ^2/NDF: 2717276.6/31

Left Out: 5097.995+/-0.840 χ^2/NDF:1544385.5/24

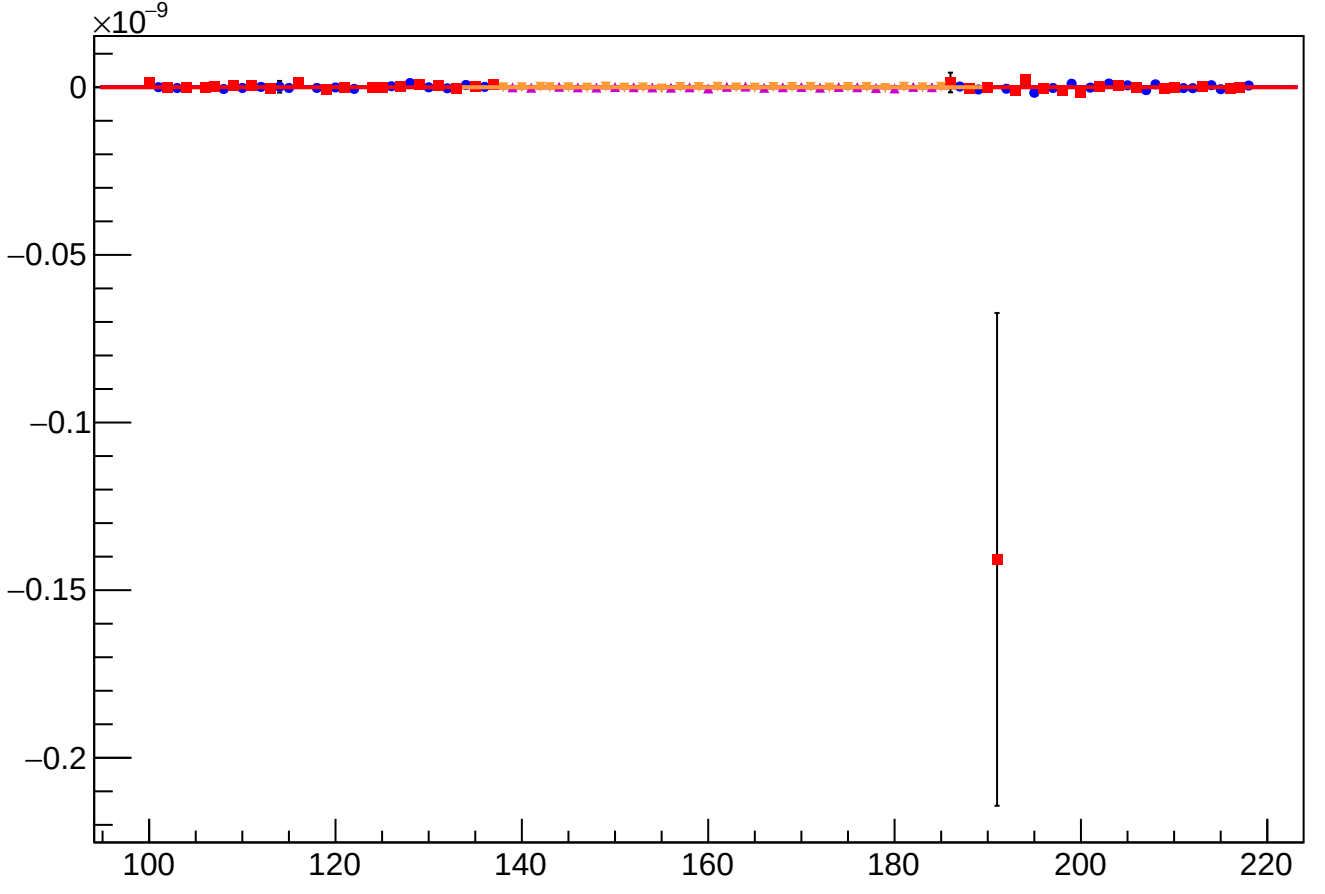
Right Out: 4341.786+/-0.712 χ^2/NDF: 3487198.5/35

Left In: 5304.171+/-0.891 χ^2/NDF:1017974.6/22

+ sign 4692.001+/-0.546 χ^2/NDF: 4666613.1/56

All: 4704.206+/-0.390 χ^2/NDF: 9885239.5/11

- sign 4716.858+/-0.556 χ^2/NDF: 5217609.2/58



Right In: 0.000+/-0.000 χ^2/NDF: 38.6/31

Left Out: 0.000+/-0.000 χ^2/NDF:15.2/24

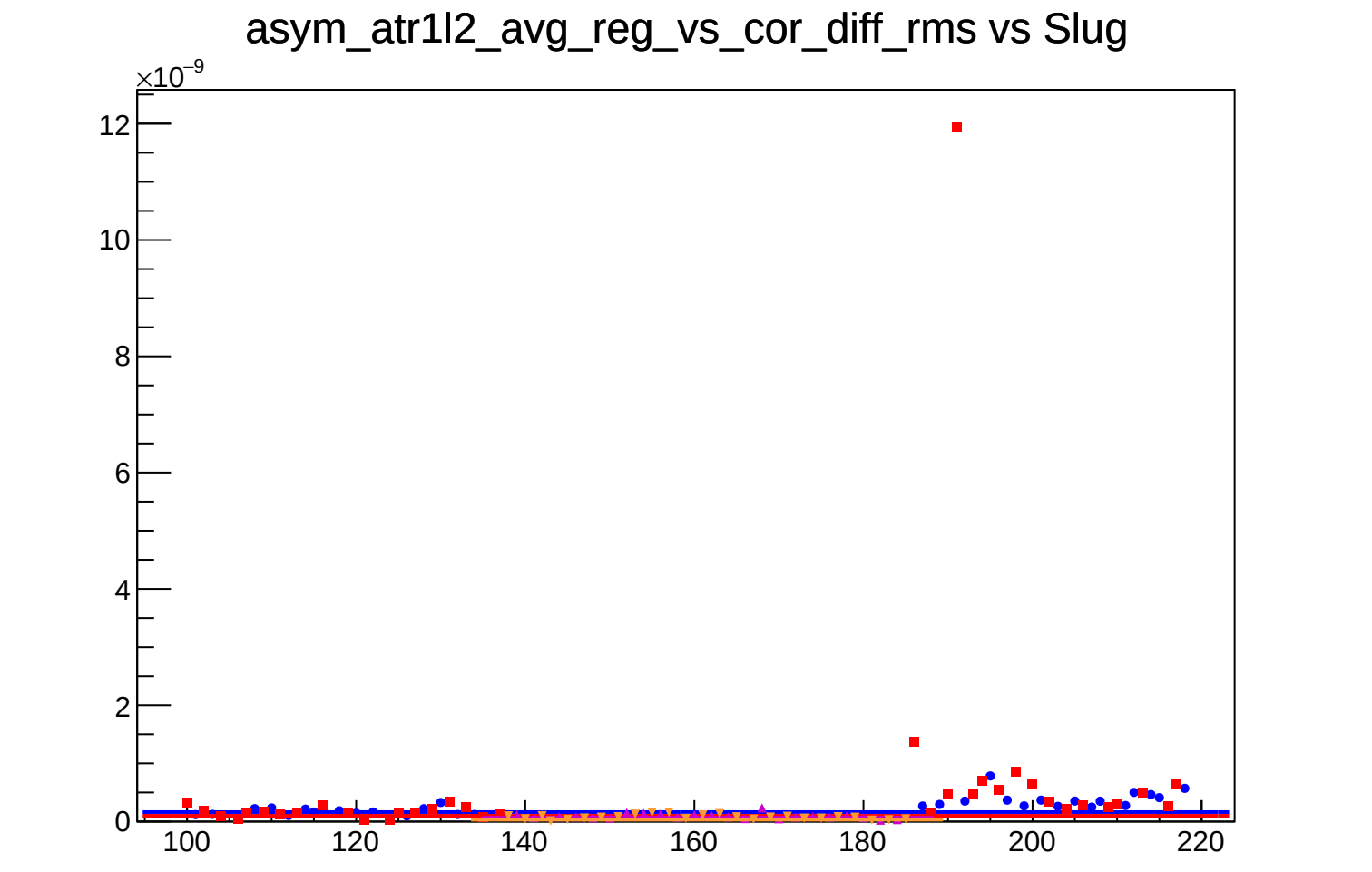
Right Out: 0.000+/-0.000 χ^2/NDF: 41.7/35

Left In: 0.000+/-0.000 χ^2/NDF:22.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 54.3/56

All: 0.000+/-0.000 χ^2/NDF: 119.0/115

- sign 0.000+/-0.000 χ^2/NDF: 64.6/58



Right In: 0.000+/-0.000 χ^2/NDF: 4680963.2/31

Left Out: 0.000+/-0.000 χ^2/NDF:6126369.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8992303.3/35

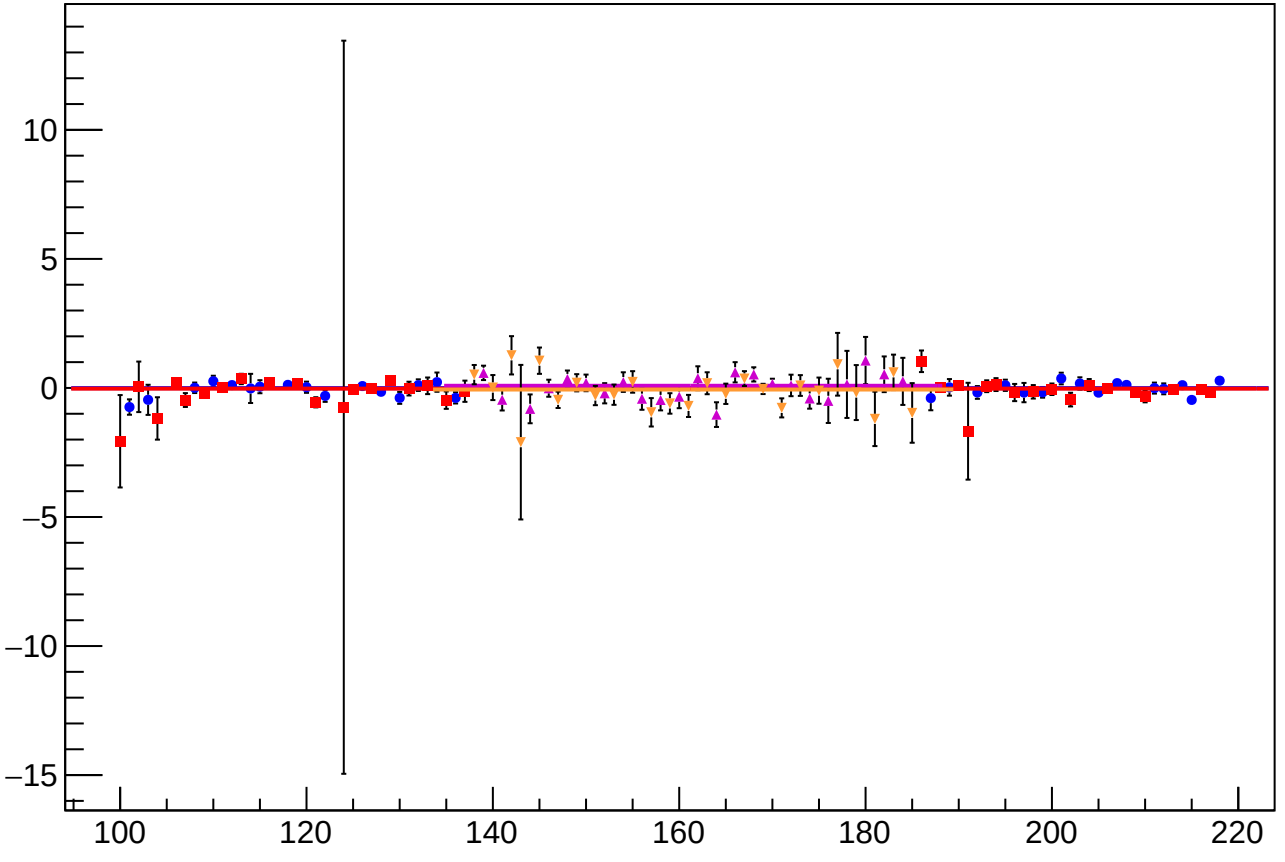
Left In: 0.000+/-0.000 χ^2/NDF:2448729.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 18178863.2/56

All: 0.000+/-0.000 χ^2/NDF: 32924255.2/115

- sign 0.000+/-0.000 χ^2/NDF: 12074026.0/58

asym_atr1l2_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.008+/-0.036 χ^2/NDF: 42.2/31

Left Out: -0.061+/-0.084 χ^2/NDF:30.8/24

Right Out: -0.026+/-0.034 χ^2/NDF: 44.6/35

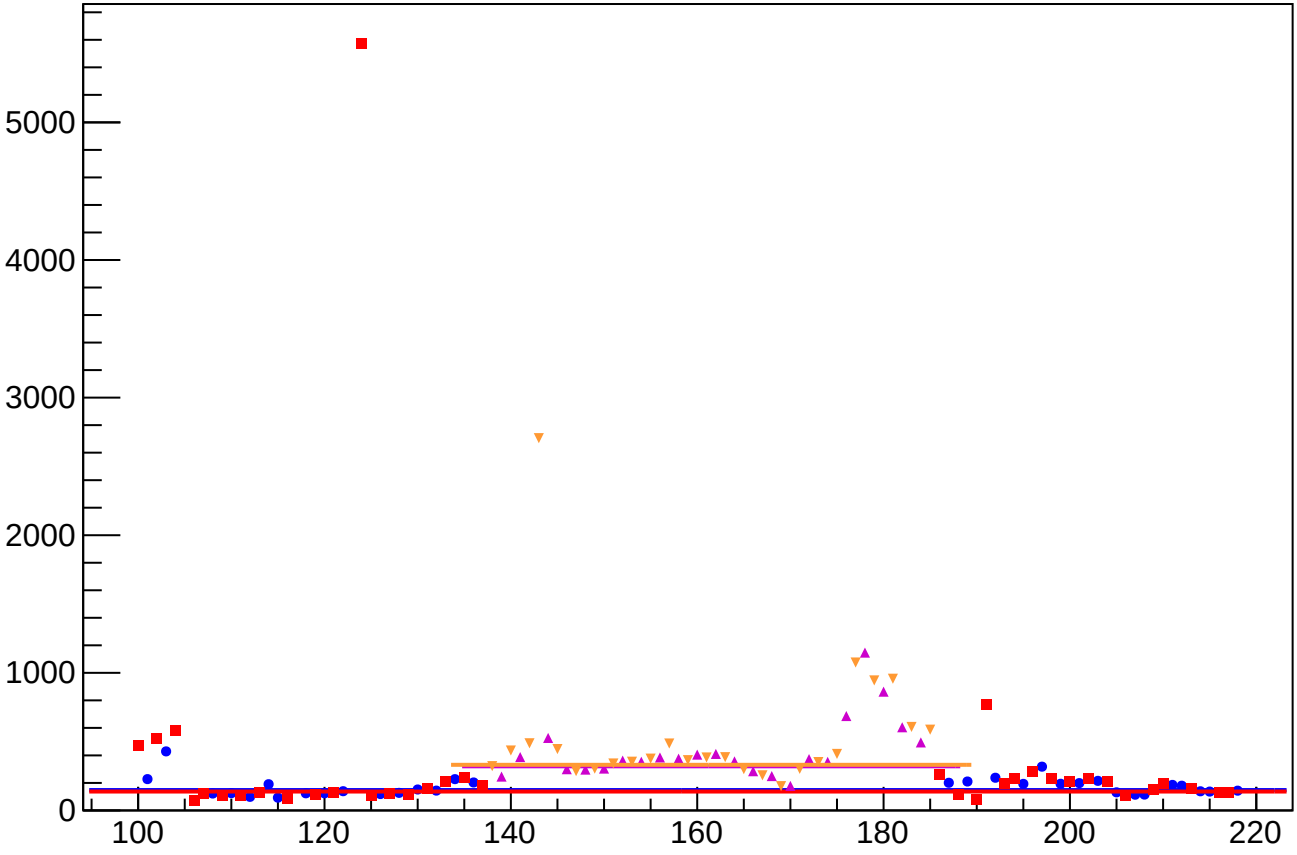
Left In: 0.084+/-0.081 χ^2/NDF:27.0/22

+ sign -0.016+/-0.033 χ^2/NDF: 73.3/56

All: -0.013+/-0.023 χ^2/NDF: 146.4/115

- sign -0.010+/-0.032 χ^2/NDF: 73.1/58

asym_atr1l2_avg_dit_vs_cor_diff_rms vs Slug



Right In: 148.241+/-0.025 χ^2/NDF: 2971775.3/31

Left Out: 331.651+/-0.059 χ^2/NDF:5838206.4/24

Right Out: 137.484+/-0.024 χ^2/NDF: 5110509.7/35

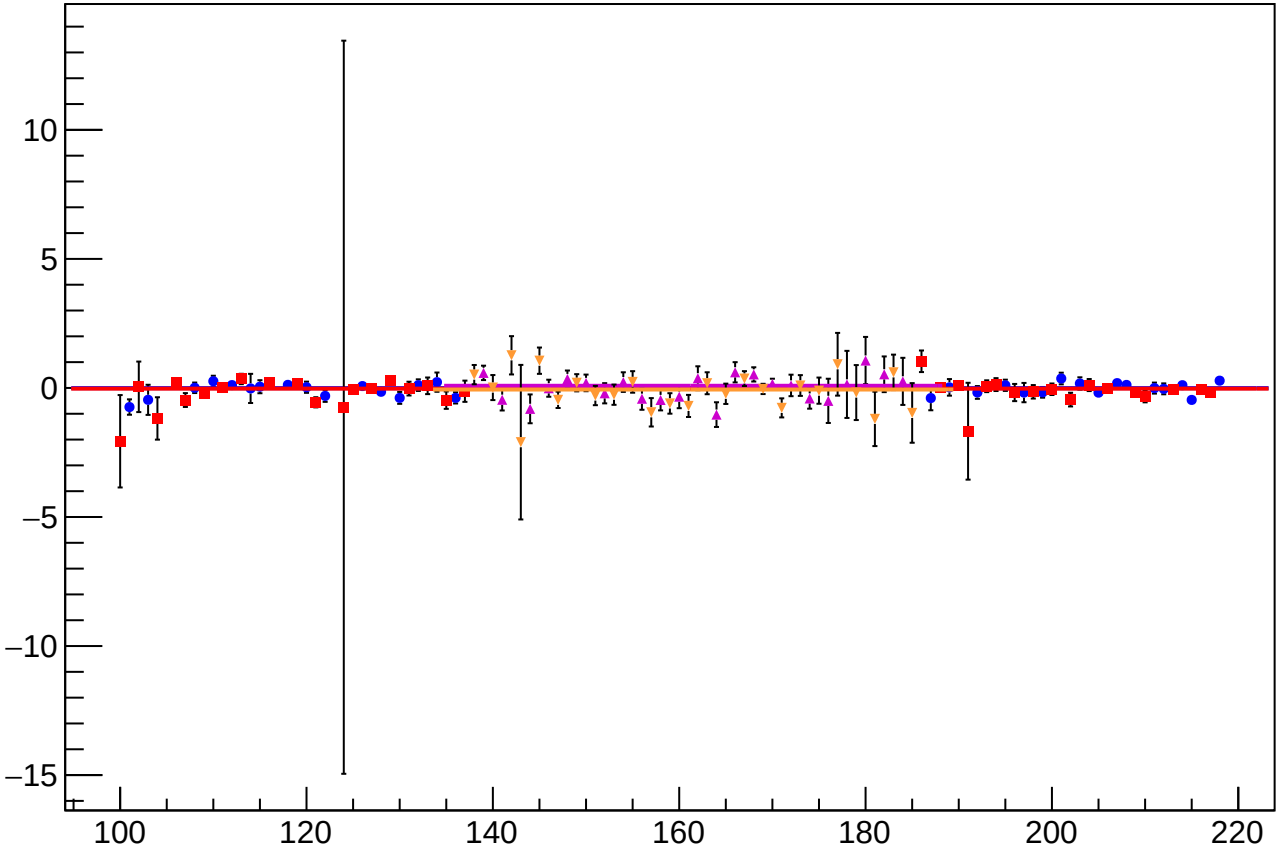
Left In: 320.746+/-0.057 χ^2/NDF:4248172.2/22

+ sign 176.791+/-0.023 χ^2/NDF: 16919889.3/56

All: 170.749+/-0.016 χ^2/NDF: 35063460.1/11

- sign 165.226+/-0.022 χ^2/NDF: 18015395.2/58

asym_atr1l2_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.008+/-0.036 χ^2/NDF: 42.2/31

Left Out: -0.061+/-0.084 χ^2/NDF:30.8/24

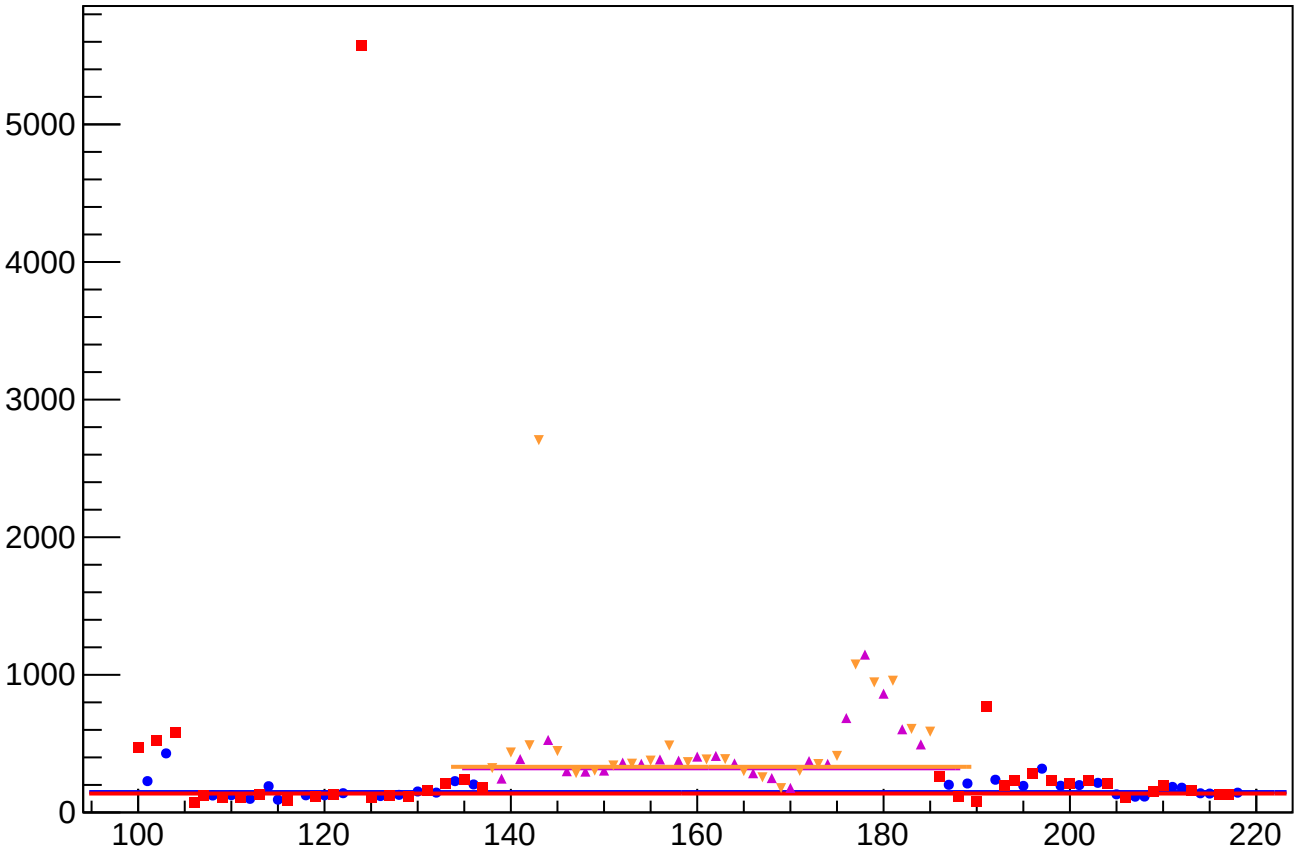
Right Out: -0.026+/-0.034 χ^2/NDF: 44.6/35

Left In: 0.084+/-0.081 χ^2/NDF:27.0/22

+ sign -0.016+/-0.033 χ^2/NDF: 73.3/56

All: -0.013+/-0.023 χ^2/NDF: 146.4/115

- sign -0.010+/-0.032 χ^2/NDF: 73.1/58



Right In: 148.241+/-0.025 χ^2/NDF: 2971775.3/31

Left Out: 331.651+/-0.059 χ^2/NDF:5838206.4/24

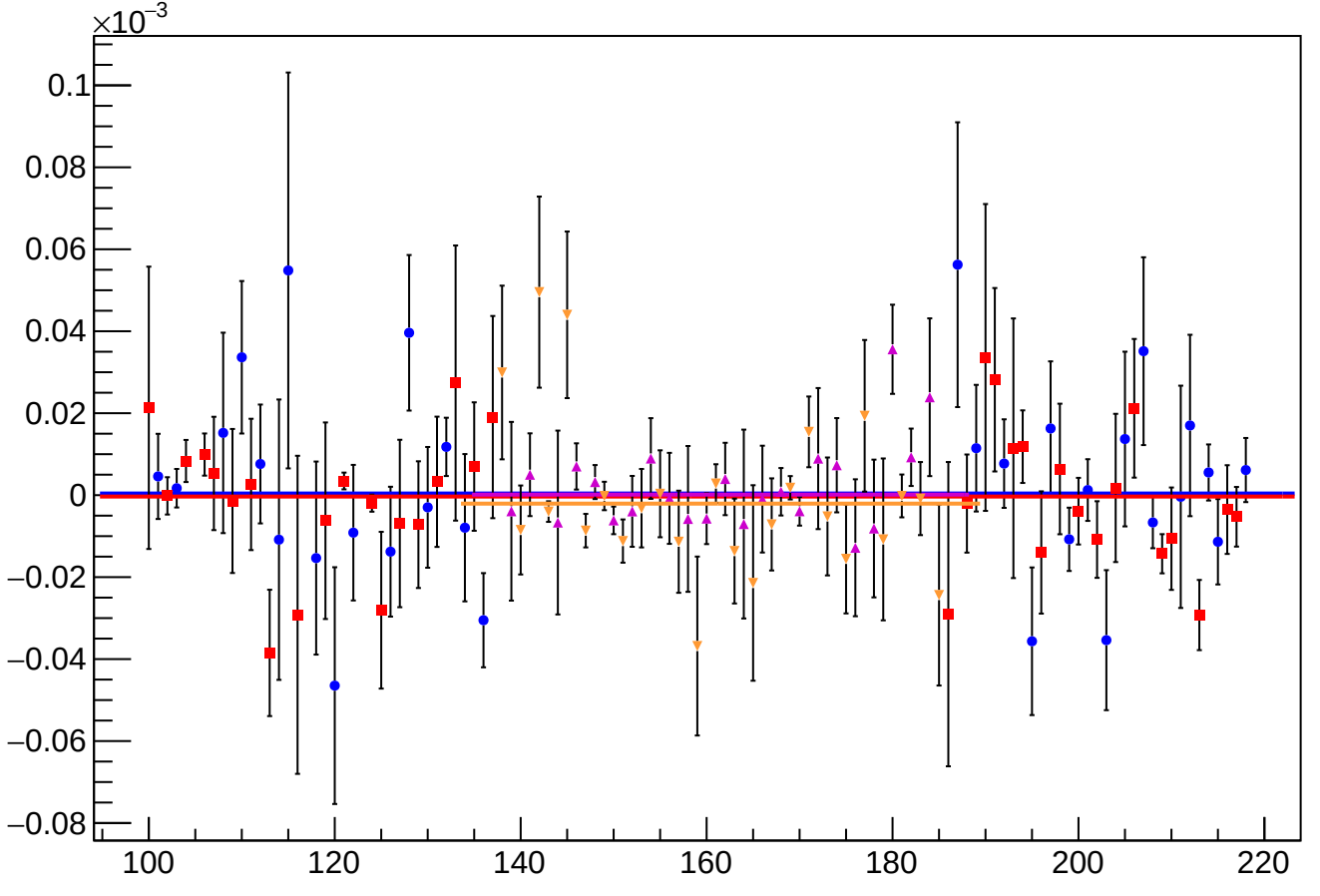
Right Out: 137.484+/-0.024 χ^2/NDF: 5110509.7/35

Left In: 320.746+/-0.057 χ^2/NDF:4248172.2/22

+ sign 176.791+/-0.023 χ^2/NDF: 16919889.3/56

All: 170.749+/-0.016 χ^2/NDF: 35063460.1/11

- sign 165.226+/-0.022 χ^2/NDF: 18015395.2/58



Right In: 0.000+/-0.000 χ^2/NDF: 45.9/31

Left Out: -0.000+/-0.000 χ^2/NDF:34.8/24

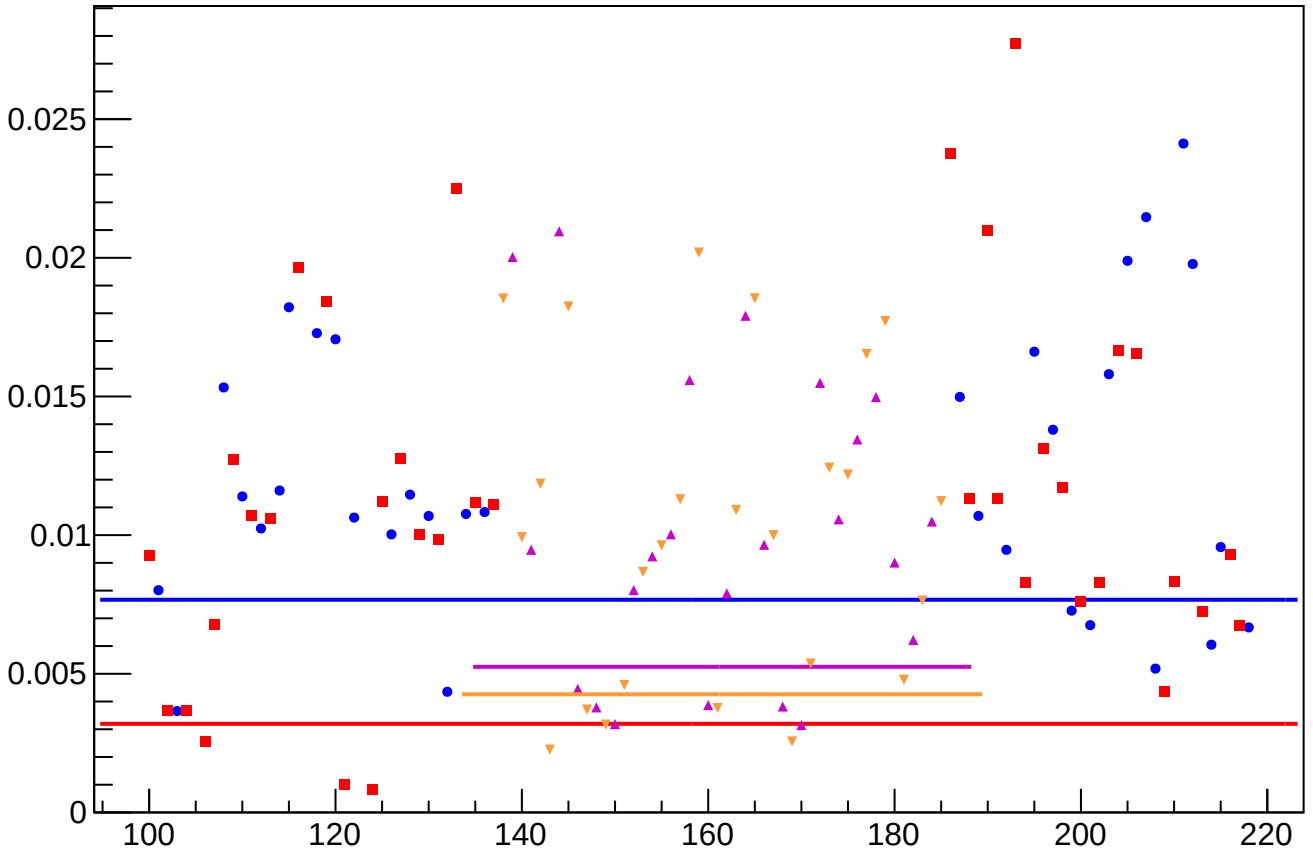
Right Out: -0.000+/-0.000 χ^2/NDF: 52.5/35

Left In: 0.000+/-0.000 χ^2/NDF:24.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 81.8/56

All: -0.000+/-0.000 χ^2/NDF: 160.0/115

- sign -0.000+/-0.000 χ^2/NDF: 77.5/58



Right In: 0.008+/-0.000 χ^2/NDF: 8107677.2/31

Left Out: 0.004+/-0.000 χ^2/NDF:12968514.8/24

Right Out: 0.003+/-0.000 χ^2/NDF: 21854078.4/35

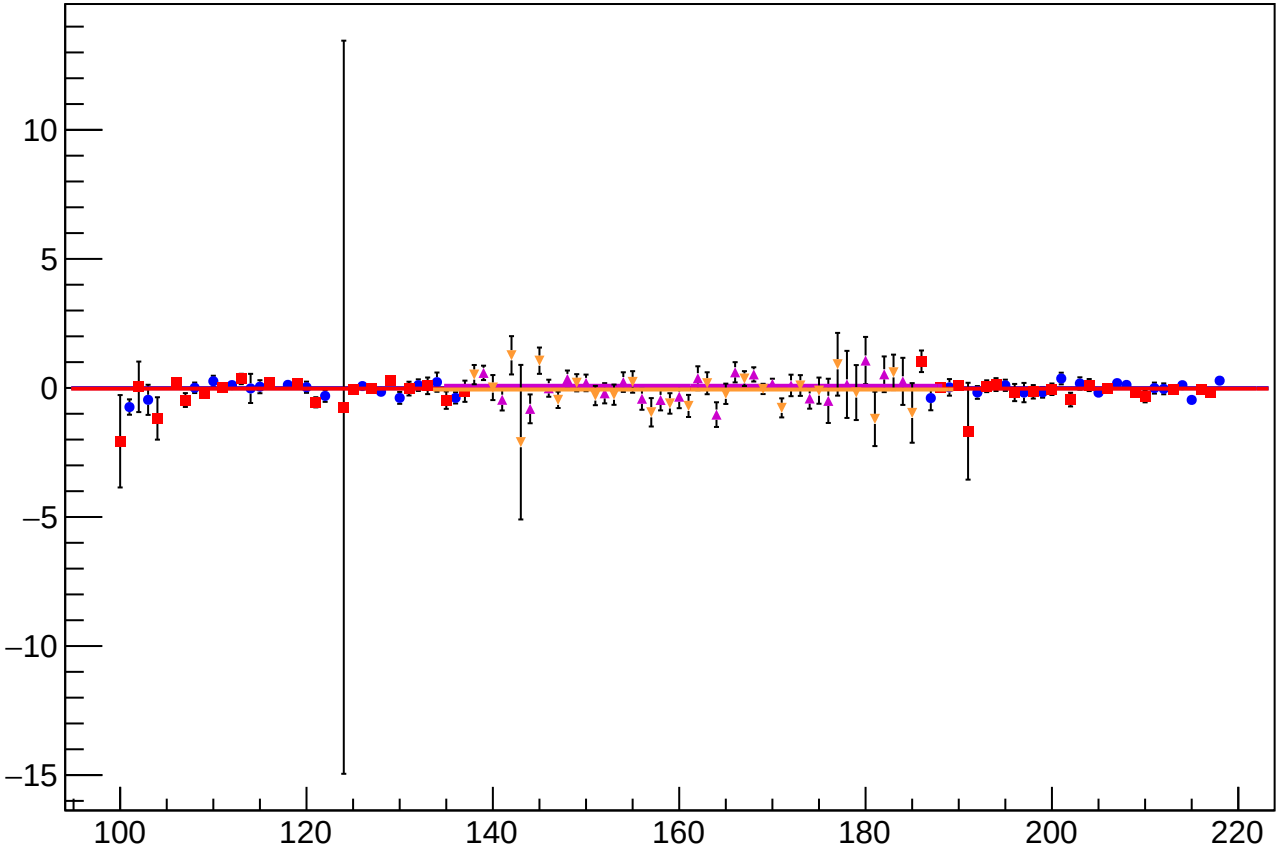
Left In: 0.005+/-0.000 χ^2/NDF:9531217.7/22

+ sign 0.005+/-0.000 χ^2/NDF: 25280595.6/56

All: 0.004+/-0.000 χ^2/NDF: 60765681.0/115

- sign 0.004+/-0.000 χ^2/NDF: 33751998.7/58

asym_atr1l2_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.008+/-0.036 χ^2/NDF: 42.2/31

Left Out: -0.061+/-0.084 χ^2/NDF:30.8/24

Right Out: -0.026+/-0.034 χ^2/NDF: 44.6/35

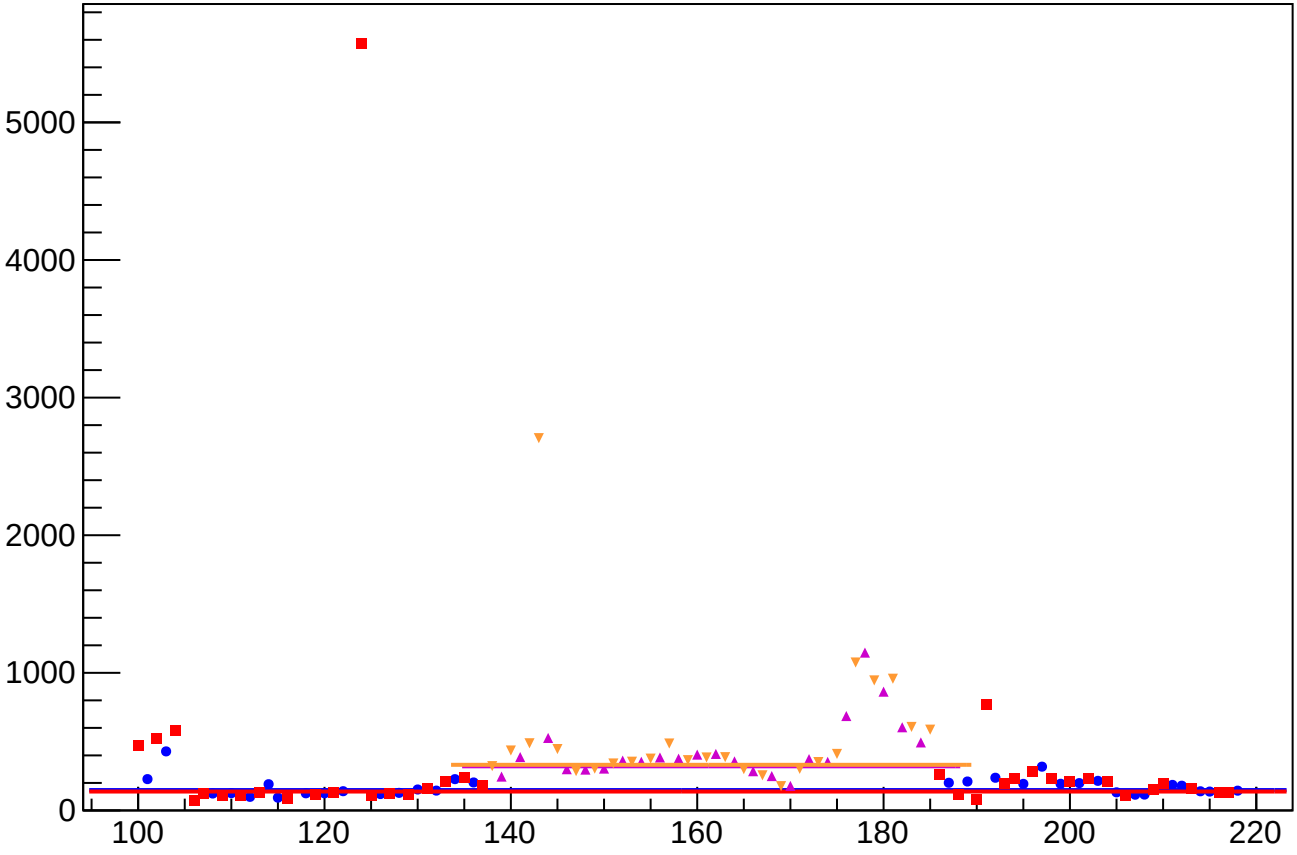
Left In: 0.084+/-0.081 χ^2/NDF:27.0/22

+ sign -0.016+/-0.033 χ^2/NDF: 73.3/56

All: -0.013+/-0.023 χ^2/NDF: 146.4/115

- sign -0.010+/-0.032 χ^2/NDF: 73.1/58

asym_atr1l2_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 148.241+/-0.025 χ^2/NDF: 2971757.0/31

Left Out: 331.653+/-0.059 χ^2/NDF:5838264.0/24

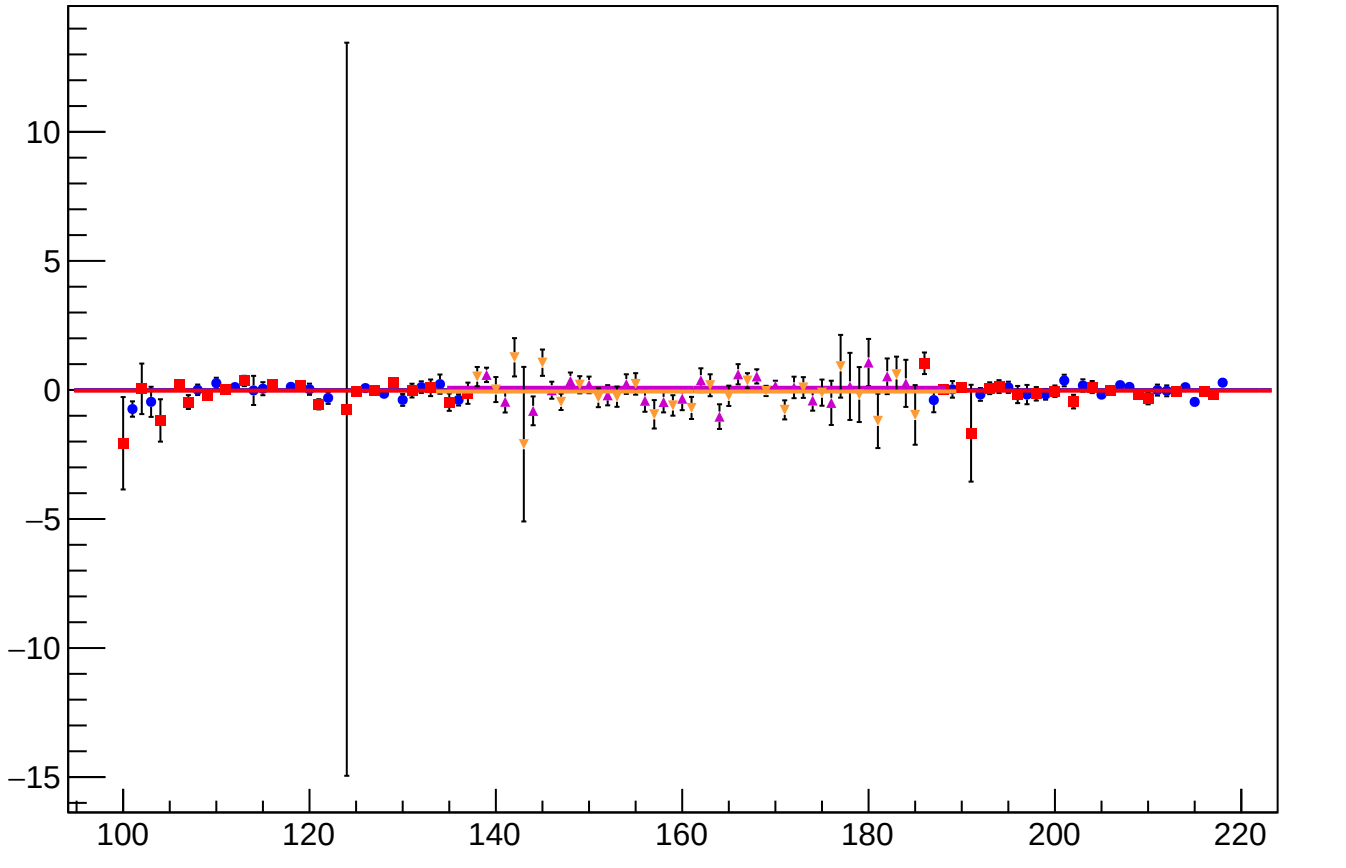
Right Out: 137.483+/-0.024 χ^2/NDF: 5110531.9/35

Left In: 320.749+/-0.057 χ^2/NDF:4248171.3/22

+ sign 176.791+/-0.023 χ^2/NDF: 16919997.8/56

All: 170.749+/-0.016 χ^2/NDF: 35063811.9/11

- sign 165.225+/-0.022 χ^2/NDF: 18015620.8/58



Right In: -0.008+/-0.036 χ^2/NDF: 42.2/31

Left Out: -0.061+/-0.084 χ^2/NDF:30.8/24

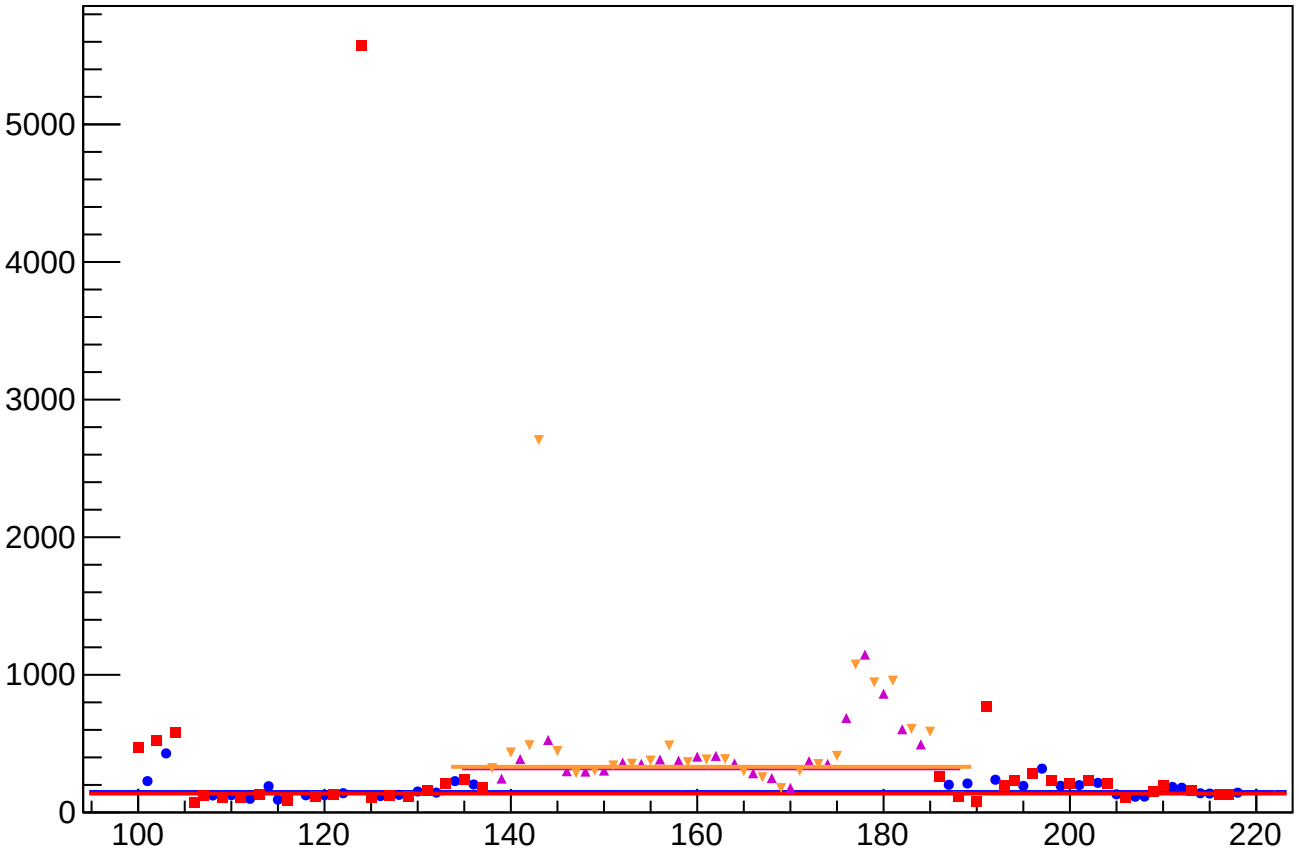
Right Out: -0.026+/-0.034 χ^2/NDF: 44.6/35

Left In: 0.084+/-0.081 χ^2/NDF:27.0/22

+ sign -0.016+/-0.033 χ^2/NDF: 73.3/56

All: -0.013+/-0.023 χ^2/NDF: 146.4/115

- sign -0.010+/-0.032 χ^2/NDF: 73.1/58



Right In: 148.241+/-0.025 χ^2/NDF: 2971757.0/31

Left Out: 331.653+/-0.059 χ^2/NDF:5838264.0/24

Right Out: 137.483+/-0.024 χ^2/NDF: 5110531.9/35

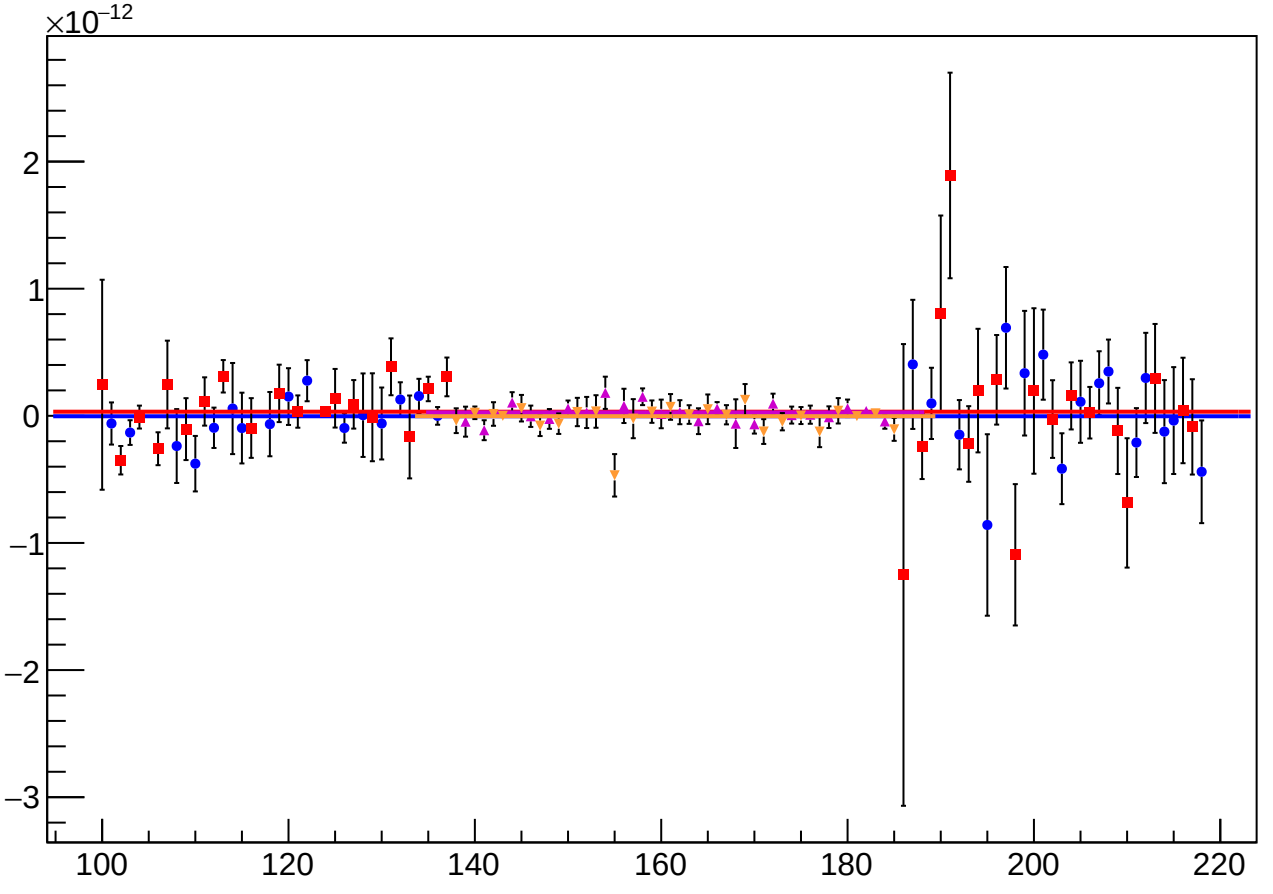
Left In: 320.749+/-0.057 χ^2/NDF:4248171.3/22

+ sign 176.791+/-0.023 χ^2/NDF: 16919997.8/56

All: 170.749+/-0.016 χ^2/NDF: 35063811.9/11

- sign 165.225+/-0.022 χ^2/NDF: 18015620.8/58

asym_atr1l2_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 27.3/31

Left Out: -0.000+/-0.000 χ^2/NDF:17.0/24

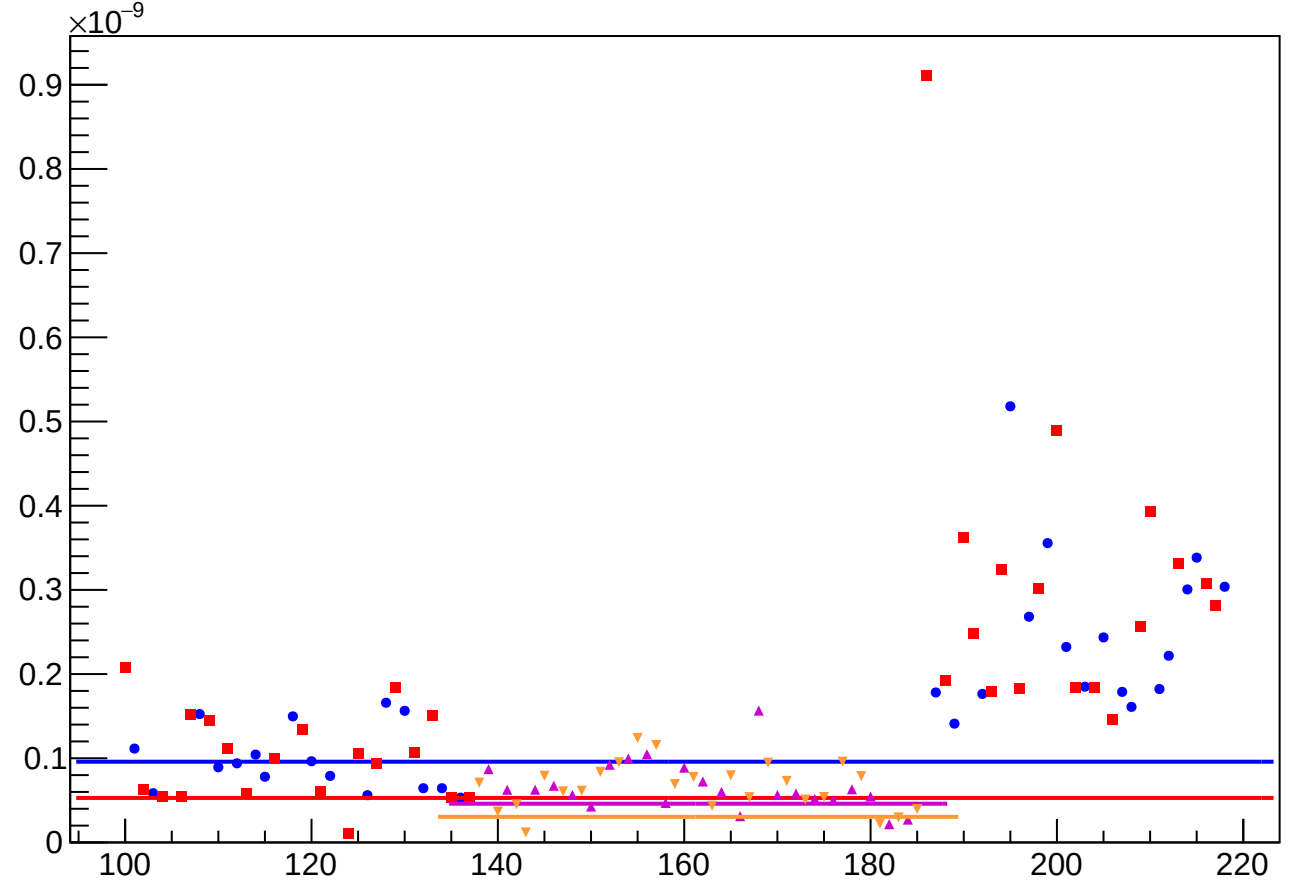
Right Out: 0.000+/-0.000 χ^2/NDF: 49.5/35

Left In: 0.000+/-0.000 χ^2/NDF:16.1/22

+ sign -0.000+/-0.000 χ^2/NDF: 44.3/56

All: 0.000+/-0.000 χ^2/NDF: 113.7/115

- sign 0.000+/-0.000 χ^2/NDF: 65.6/58



Right In: 0.000+/-0.000 χ^2/NDF: 7131567.1/31

Left Out: 0.000+/-0.000 χ^2/NDF:10517831.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 14165161.4/35

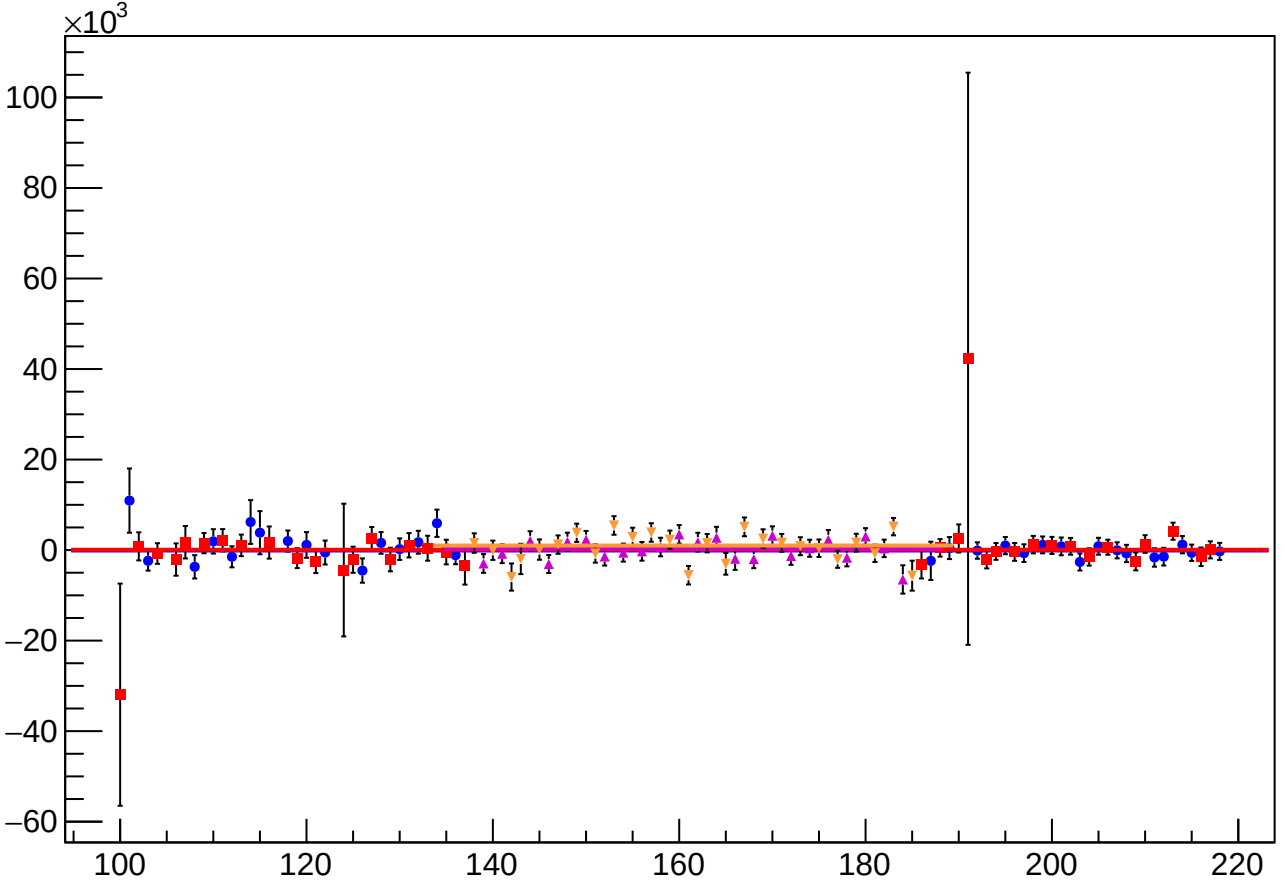
Left In: 0.000+/-0.000 χ^2/NDF:4899715.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 24376909.0/56

All: 0.000+/-0.000 χ^2/NDF: 44559450.3/115

- sign 0.000+/-0.000 χ^2/NDF: 19182006.6/58

reg_asym_atr1l2_dd_mean vs Slug



Right In: -83.603+/-395.676 χ^2/NDF: 23.0/31

Left Out: 1004.165+/-422.582 χ^2/NDF:47.4/24

Right Out: 71.586+/-395.330 χ^2/NDF: 21.5/35

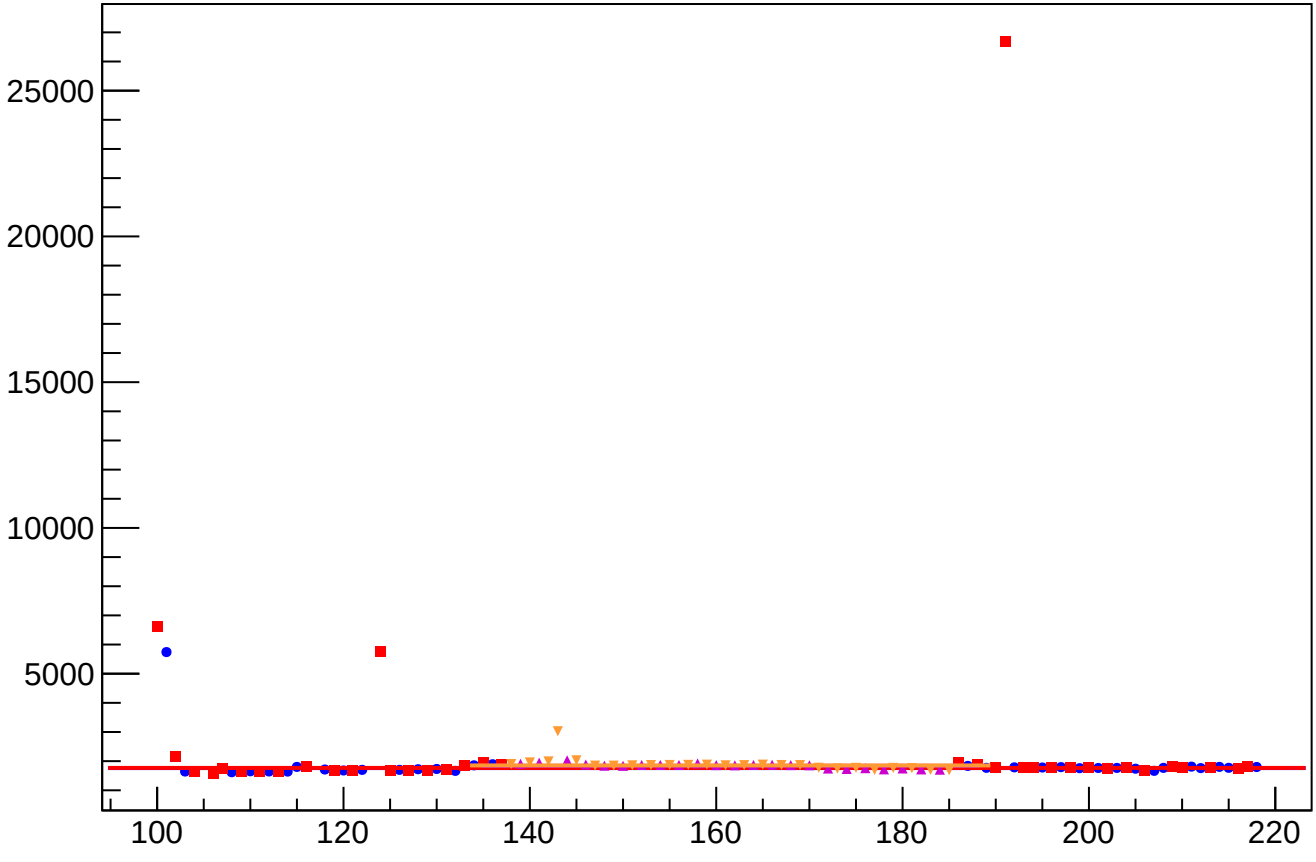
Left In: 229.321+/-429.699 χ^2/NDF:26.4/22

+ sign 424.552+/-288.829 χ^2/NDF: 73.9/56

All: 285.242+/-204.973 χ^2/NDF: 122.3/115

- sign 143.894+/-290.933 χ^2/NDF: 47.9/58

reg_asym_atr1l2_dd_rms vs Slug



Right In: 1762.681+/-0.280 χ^2/NDF: 681015.1/31

Left Out: 1852.534+/-0.299 χ^2/NDF:321038.9/24

Right Out: 1767.728+/-0.279 χ^2/NDF: 647239.2/35

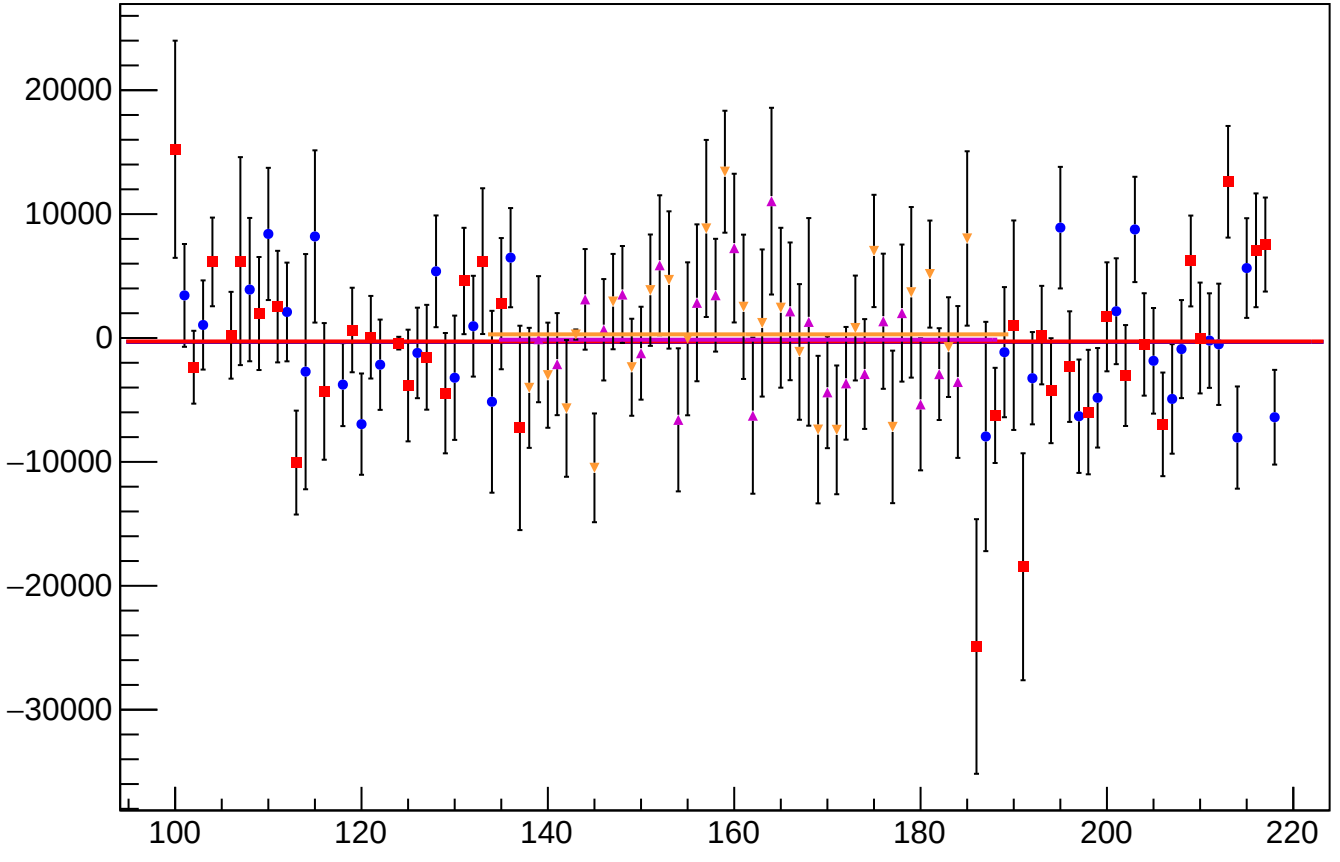
Left In: 1838.528+/-0.304 χ^2/NDF:68478.0/22

+ sign 1804.656+/-0.204 χ^2/NDF: 1050234.8/56

All: 1802.386+/-0.145 χ^2/NDF: 1795679.2/11

- sign 1800.089+/-0.205 χ^2/NDF: 745195.8/58

asym_atr1l2_dd_reg_correction_mean vs Slug



Right In: -321.206+/-772.523 χ^2/NDF: 37.6/31

Left Out: 294.407+/-379.922 χ^2/NDF:30.0/24

Right Out: -280.848+/-422.632 χ^2/NDF: 55.1/35

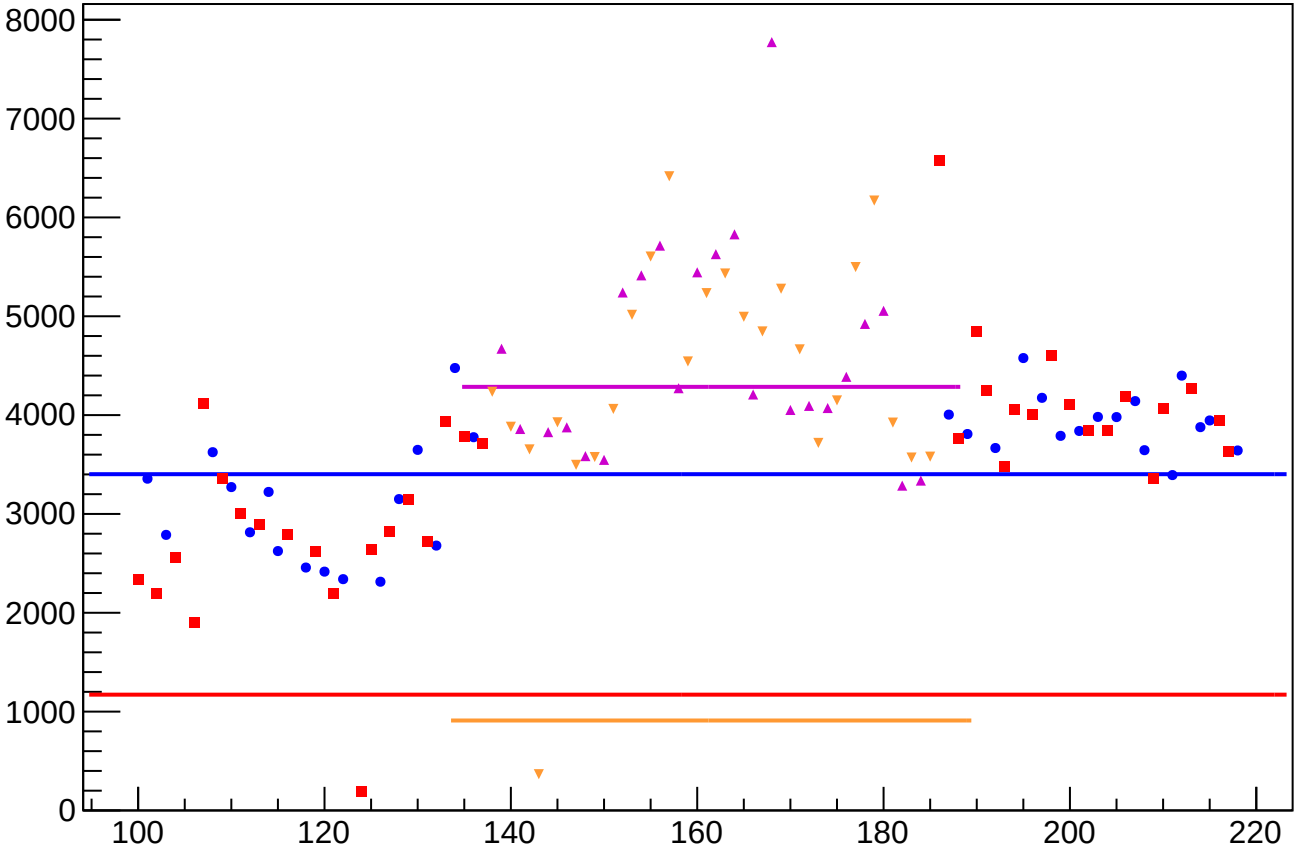
Left In: -138.350+/-1022.943 χ^2/NDF:13.9/22

+ sign 174.512+/-340.924 χ^2/NDF: 68.2/56

All: -13.400+/-256.851 χ^2/NDF: 137.9/115

- sign -260.071+/-390.607 χ^2/NDF: 69.0/58

asym_atr1l2_dd_reg_correction_rms vs Slug



Right In: 3402.203+/-0.546 χ^2/NDF: 1422497.2/31

Left Out: 910.135+/-0.269 χ^2/NDF:26774123.9/24

Right Out: 1171.557+/-0.299 χ^2/NDF: 25480600.8/35

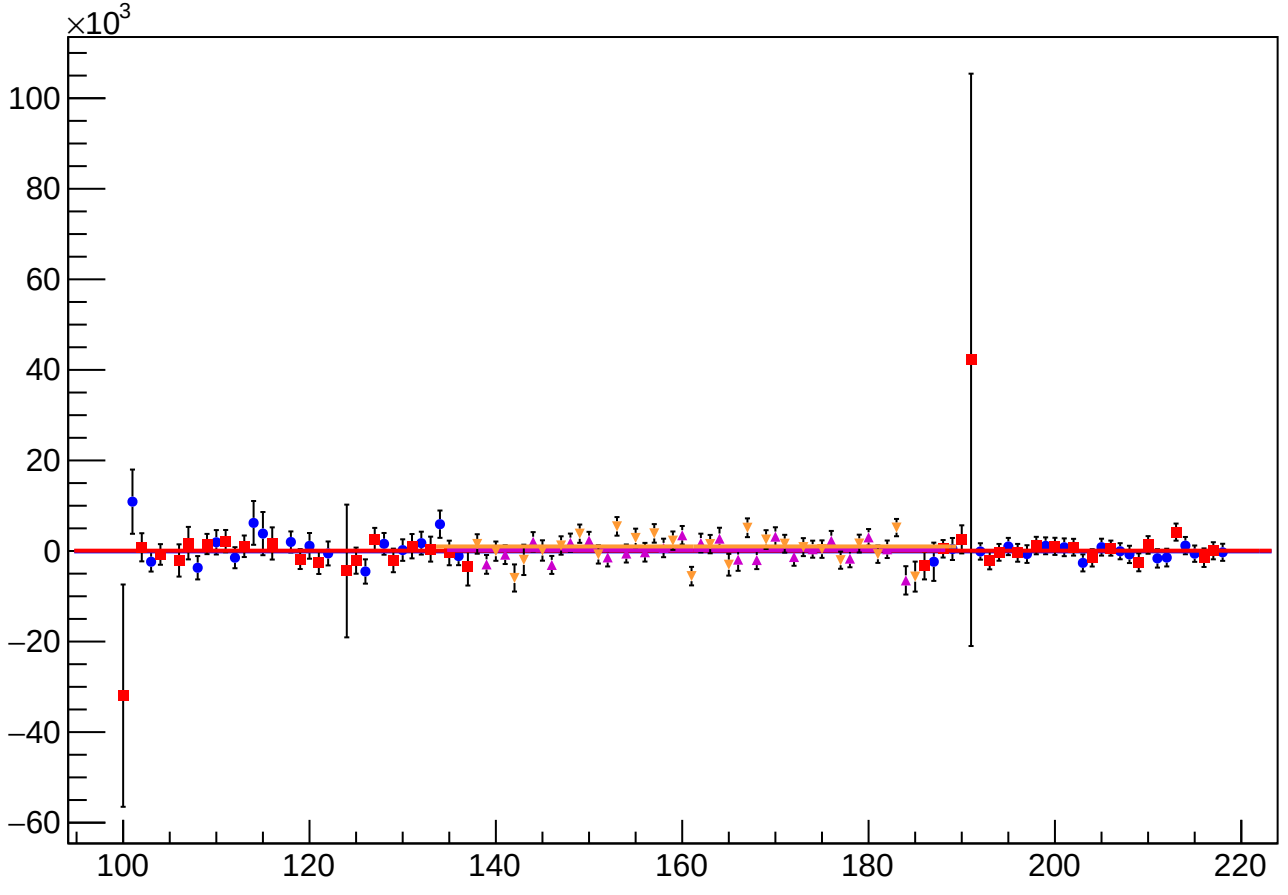
Left In: 4285.839+/-0.723 χ^2/NDF:1327947.9/22

+ sign 1395.482+/-0.241 χ^2/NDF: 44955832.3/56

All: 1495.001+/-0.182 χ^2/NDF: 87992829.1/1

- sign 1625.640+/-0.276 χ^2/NDF: 42642858.5/58

cor_asym_atr1l2_dd_mean vs Slug



Right In: -83.755+/-395.676 χ^2/NDF: 23.0/31

Left Out: 1004.123+/-422.582 χ^2/NDF:47.4/24

Right Out: 71.574+/-395.330 χ^2/NDF: 21.5/35

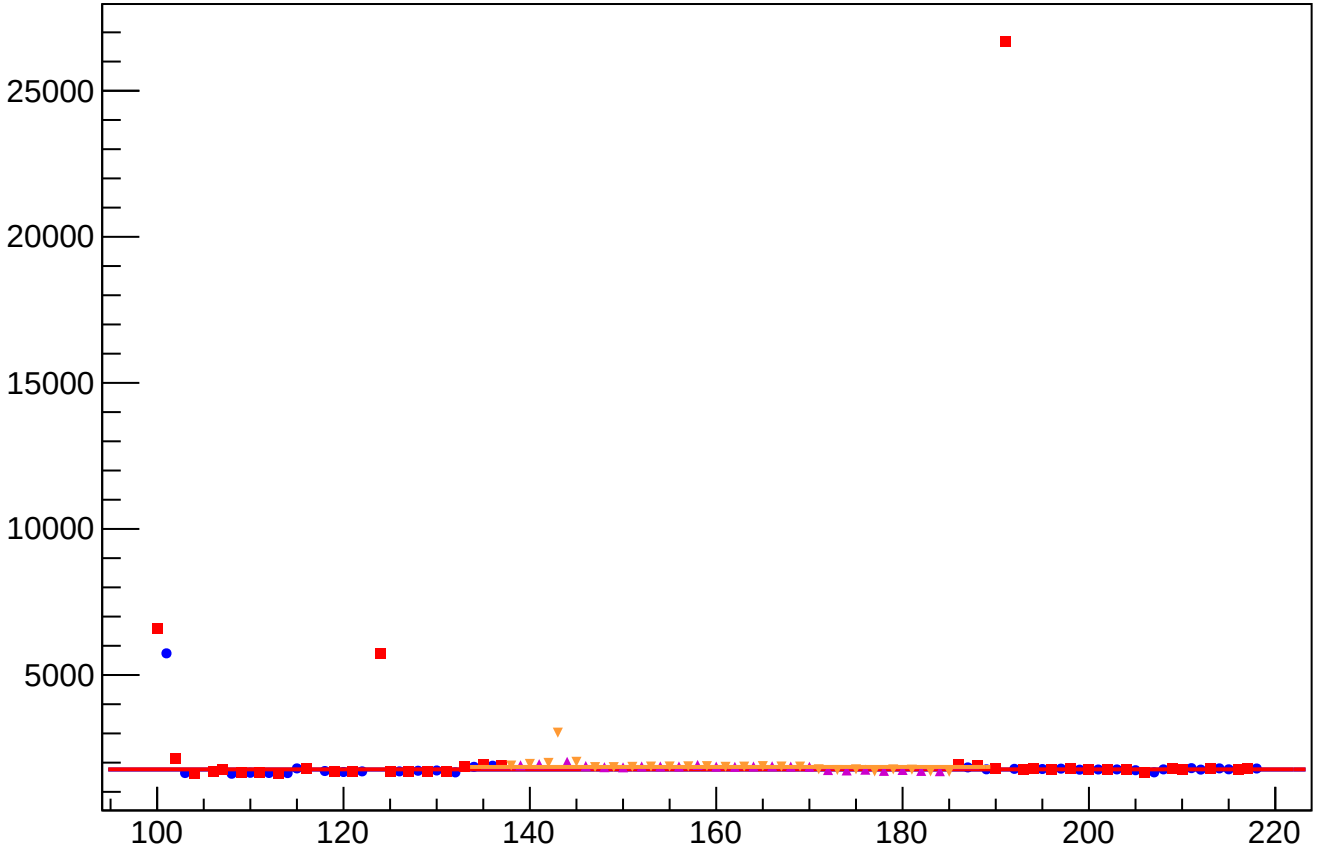
Left In: 229.236+/-429.699 χ^2/NDF:26.4/22

+ sign 424.452+/-288.829 χ^2/NDF: 73.9/56

All: 285.169+/-204.973 χ^2/NDF: 122.3/115

- sign 143.849+/-290.933 χ^2/NDF: 47.9/58

cor_asym_atr1l2_dd_rms vs Slug



Right In: 1762.681+/-0.280 χ^2/NDF: 681015.4/31

Left Out: 1852.534+/-0.299 χ^2/NDF:321038.9/24

Right Out: 1770.254+/-0.279 χ^2/NDF: 638987.2/35

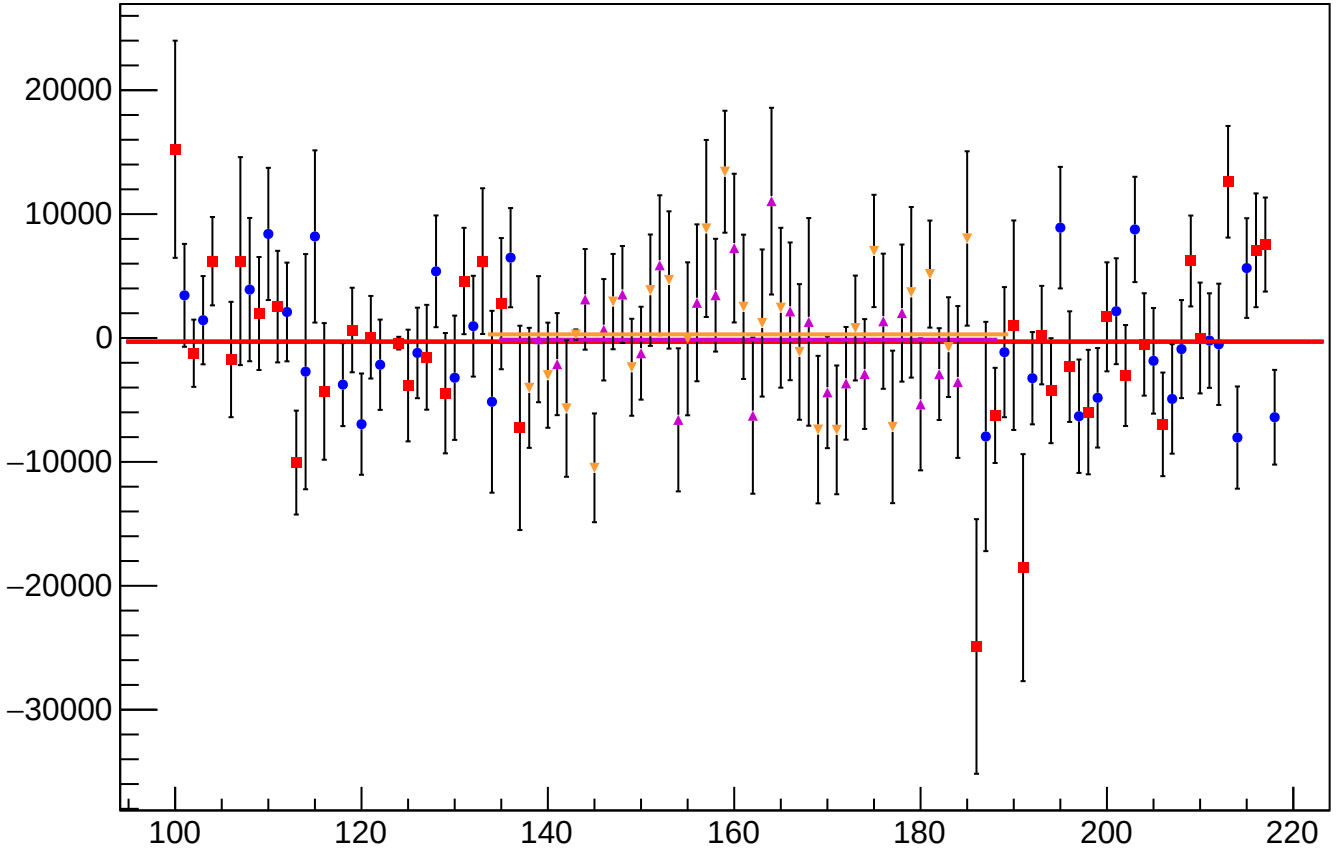
Left In: 1838.528+/-0.304 χ^2/NDF:68478.0/22

+ sign 1804.656+/-0.204 χ^2/NDF: 1050235.1/56

All: 1803.091+/-0.145 χ^2/NDF: 1785197.8/11

- sign 1801.506+/-0.206 χ^2/NDF: 734844.5/58

asym_atr1l2_dd_cor_correction_mean vs Slug



Right In: -301.736+/-772.164 χ^2/NDF: 37.7/31

Left Out: 295.308+/-379.951 χ^2/NDF:30.0/24

Right Out: -278.777+/-423.350 χ^2/NDF: 54.9/35

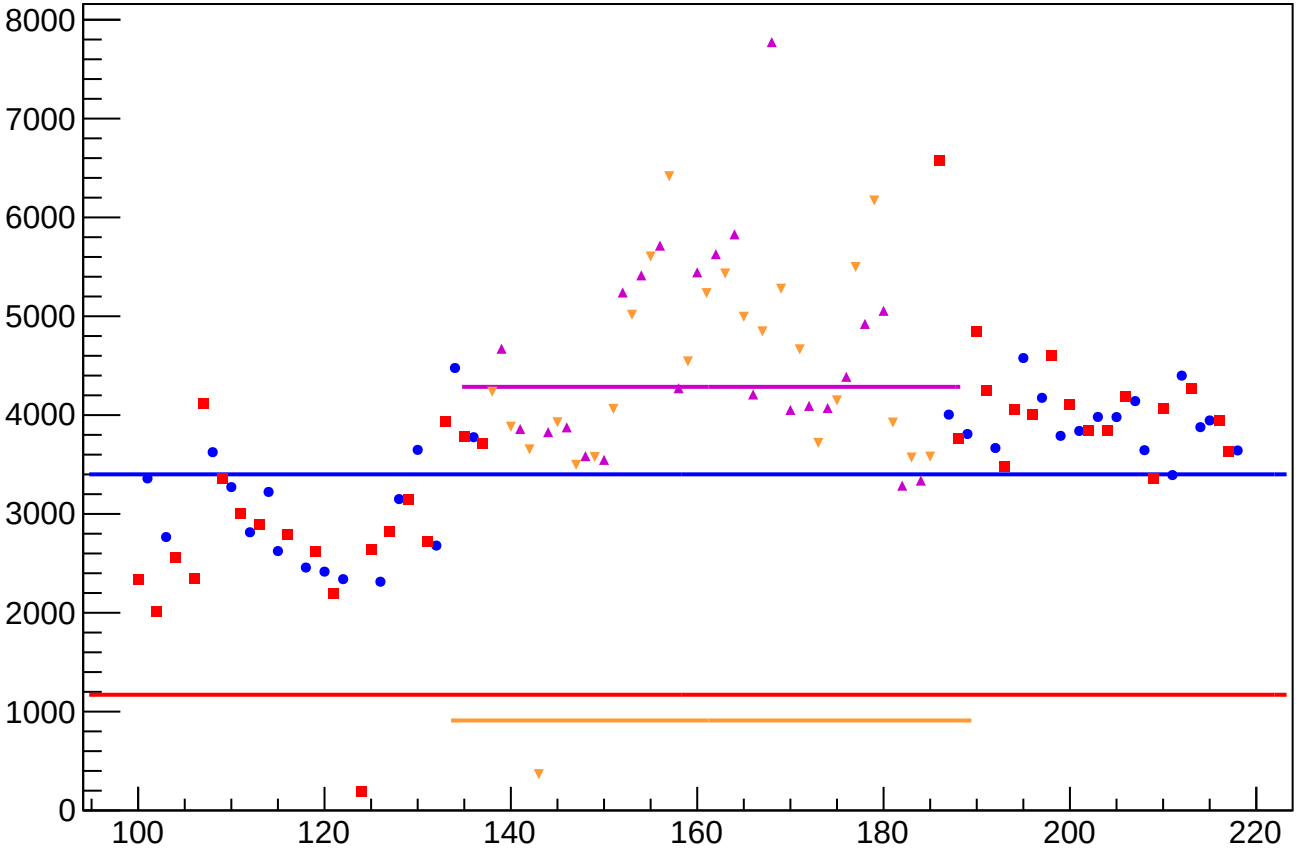
Left In: -138.272+/-1022.940 χ^2/NDF:13.9/22

+ sign 178.928+/-340.914 χ^2/NDF: 68.3/56

All: -9.780+/-257.007 χ^2/NDF: 137.8/115

- sign -258.231+/-391.174 χ^2/NDF: 68.8/58

asym_atr1l2_dd_cor_correction_rms vs Slug



Right In: 3400.654+/-0.546 χ^2/NDF: 1428039.2/31

Left Out: 910.253+/-0.269 χ^2/NDF:26772969.1/24

Right Out: 1170.594+/-0.299 χ^2/NDF: 25456844.1/35

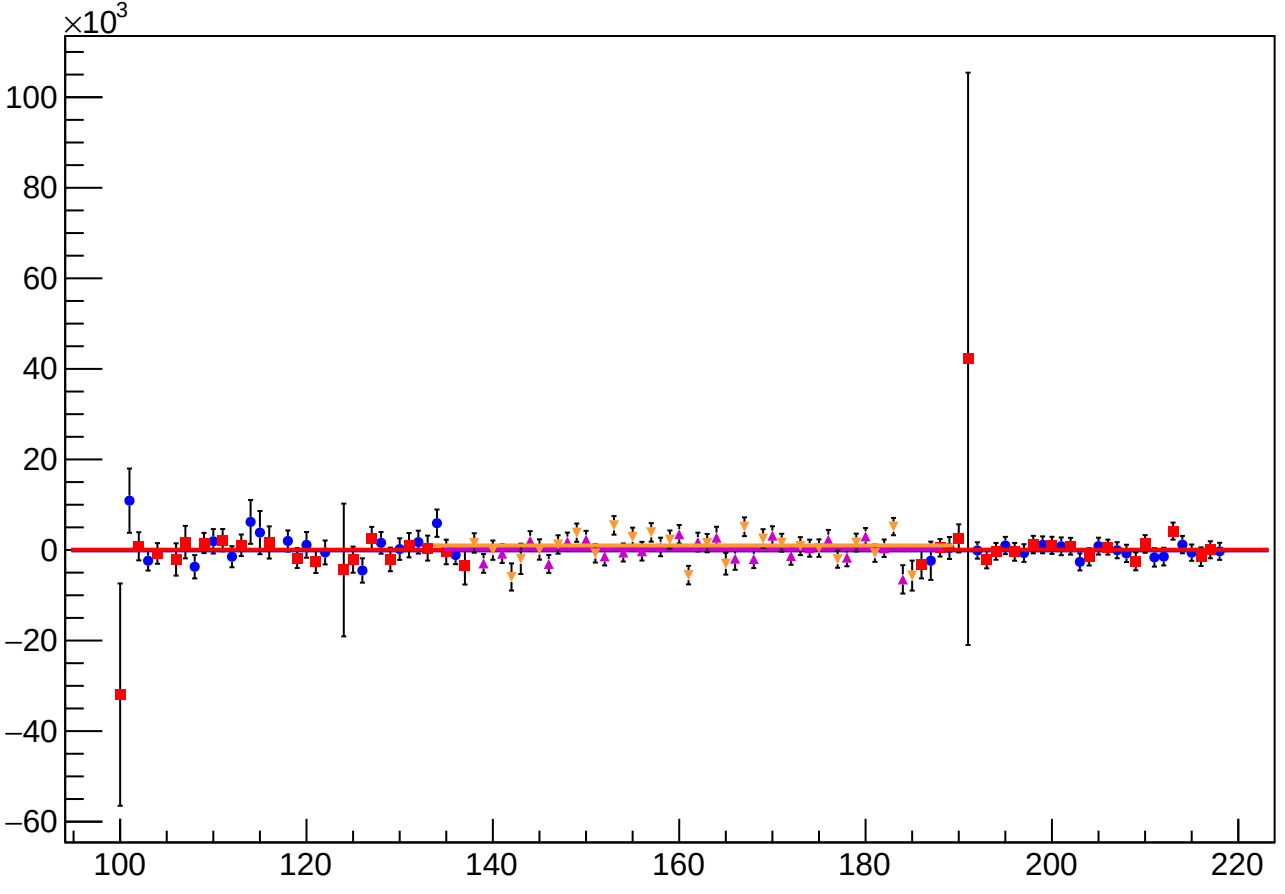
Left In: 4285.828+/-0.723 χ^2/NDF:1327963.4/22

+ sign 1395.699+/-0.241 χ^2/NDF: 44949850.0/56

All: 1495.172+/-0.182 χ^2/NDF: 87965316.1/1

- sign 1626.137+/-0.277 χ^2/NDF: 42621009.5/58

eigen_cor_asym_atr1l2_dd_mean vs Slug



Right In: -83.755+/-395.676 χ^2/NDF: 23.0/31

Left Out: 1004.123+/-422.582 χ^2/NDF:47.4/24

Right Out: 71.574+/-395.330 χ^2/NDF: 21.5/35

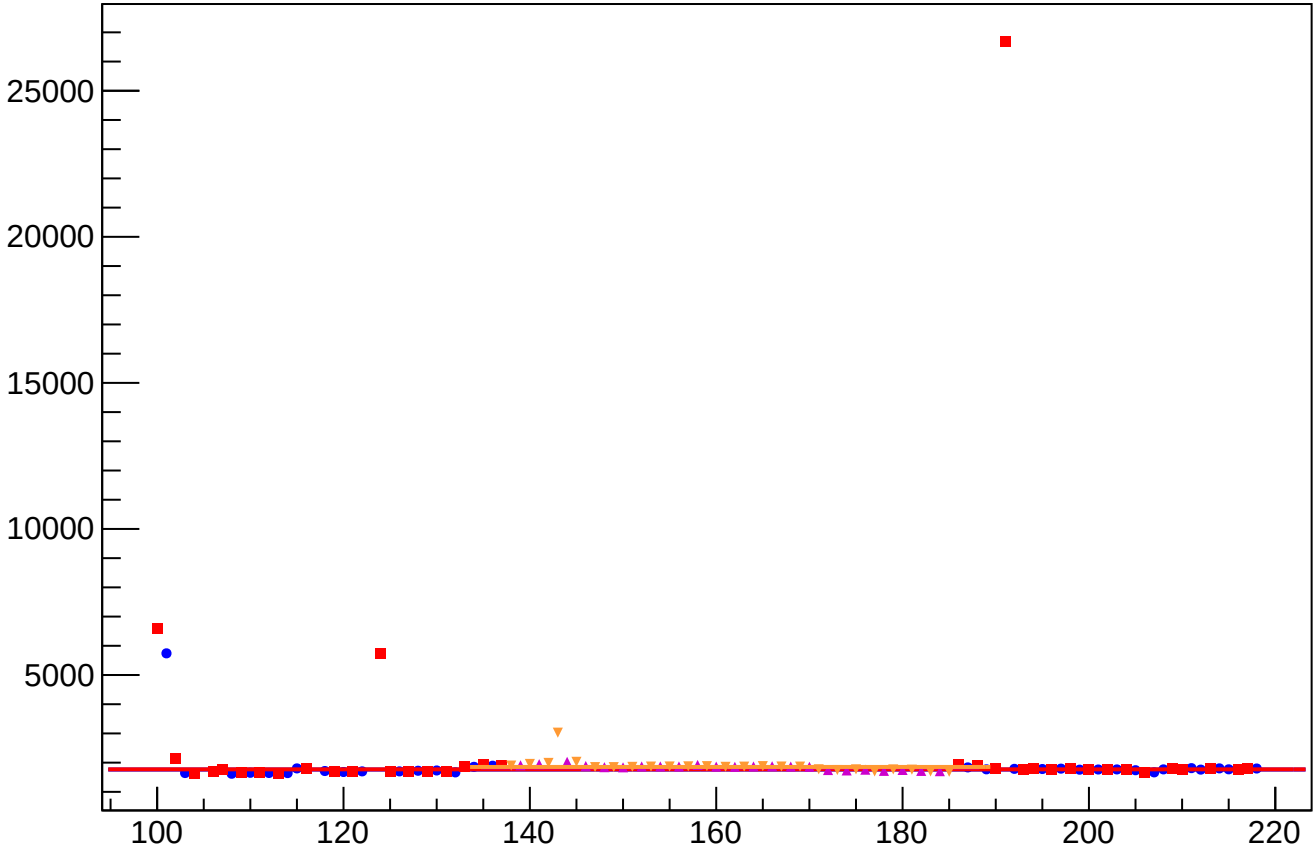
Left In: 229.236+/-429.699 χ^2/NDF:26.4/22

+ sign 424.452+/-288.829 χ^2/NDF: 73.9/56

All: 285.169+/-204.973 χ^2/NDF: 122.3/115

- sign 143.849+/-290.933 χ^2/NDF: 47.9/58

eigen_cor_asym_atr1l2_dd_rms vs Slug



Right In: 1762.681+/-0.280 χ^2/NDF: 681015.4/31

Left Out: 1852.534+/-0.299 χ^2/NDF:321038.9/24

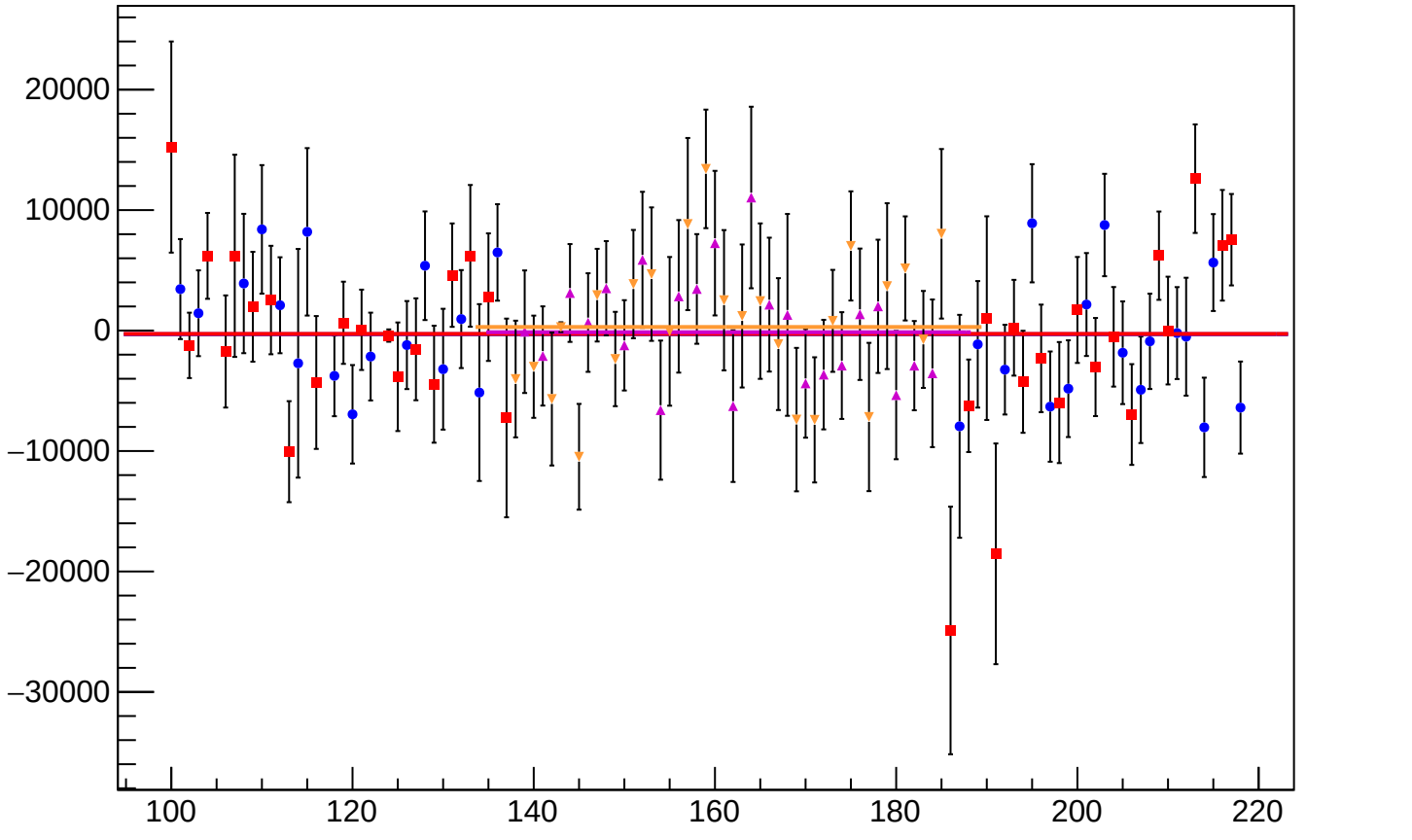
Right Out: 1770.254+/-0.279 χ^2/NDF: 638987.2/35

Left In: 1838.528+/-0.304 χ^2/NDF:68478.0/22

+ sign 1804.656+/-0.204 χ^2/NDF: 1050235.1/56

All: 1803.091+/-0.145 χ^2/NDF: 1785197.8/11

- sign 1801.506+/-0.206 χ^2/NDF: 734844.5/58



Right In: -301.736+/-772.164 χ^2/NDF: 37.7/31

Left Out: 295.308+/-379.951 χ^2/NDF:30.0/24

Right Out: -278.777+/-423.350 χ^2/NDF: 54.9/35

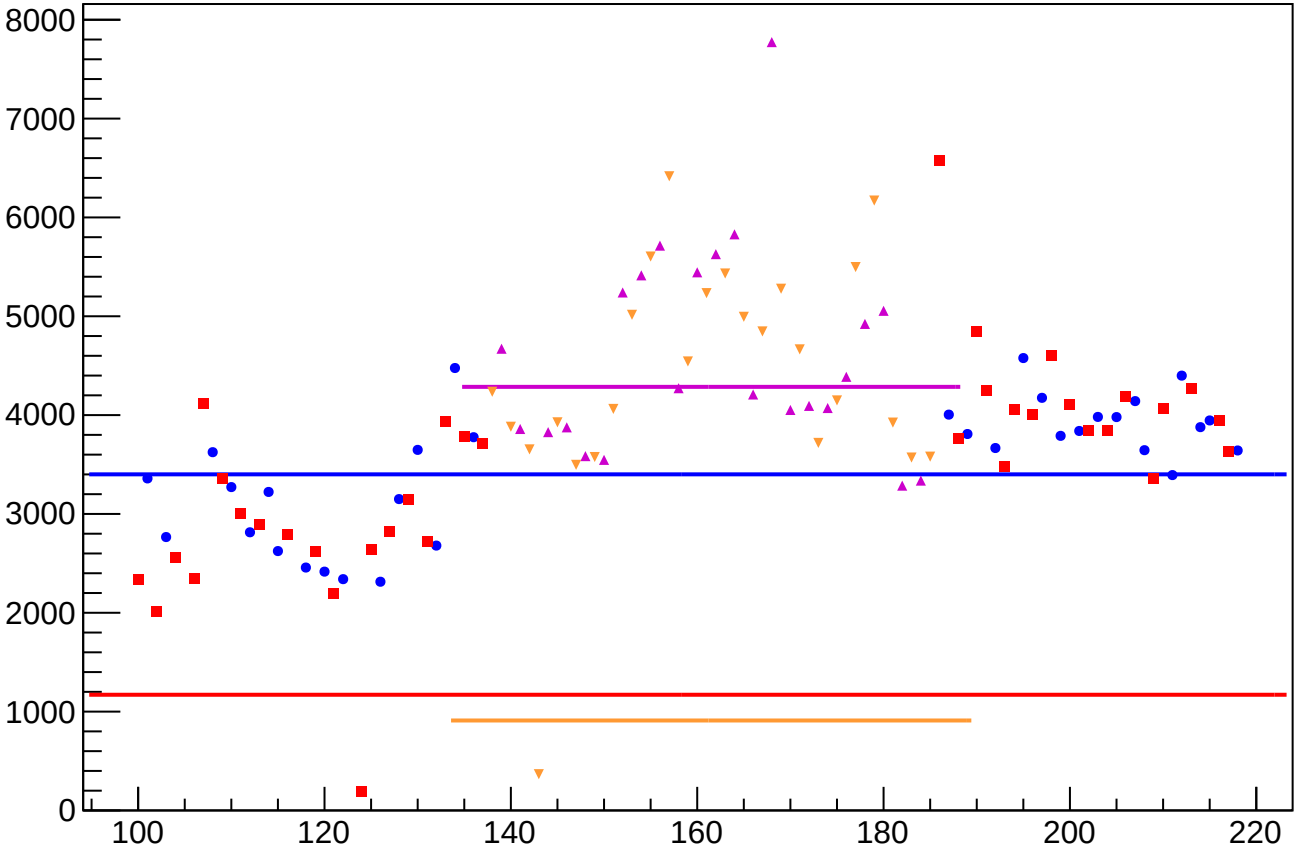
Left In: -138.272+/-1022.940 χ^2/NDF:13.9/22

+ sign 178.928+/-340.914 χ^2/NDF: 68.3/56

All: -9.780+/-257.007 χ^2/NDF: 137.8/115

- sign -258.231+/-391.174 χ^2/NDF: 68.8/58

asym_atr1l2_dd_eigen_cor_correction_rms vs Slug



Right In: 3400.654+/-0.546 χ^2/NDF: 1428039.2/31

Left Out: 910.253+/-0.269 χ^2/NDF:26772969.1/24

Right Out: 1170.594+/-0.299 χ^2/NDF: 25456844.1/35

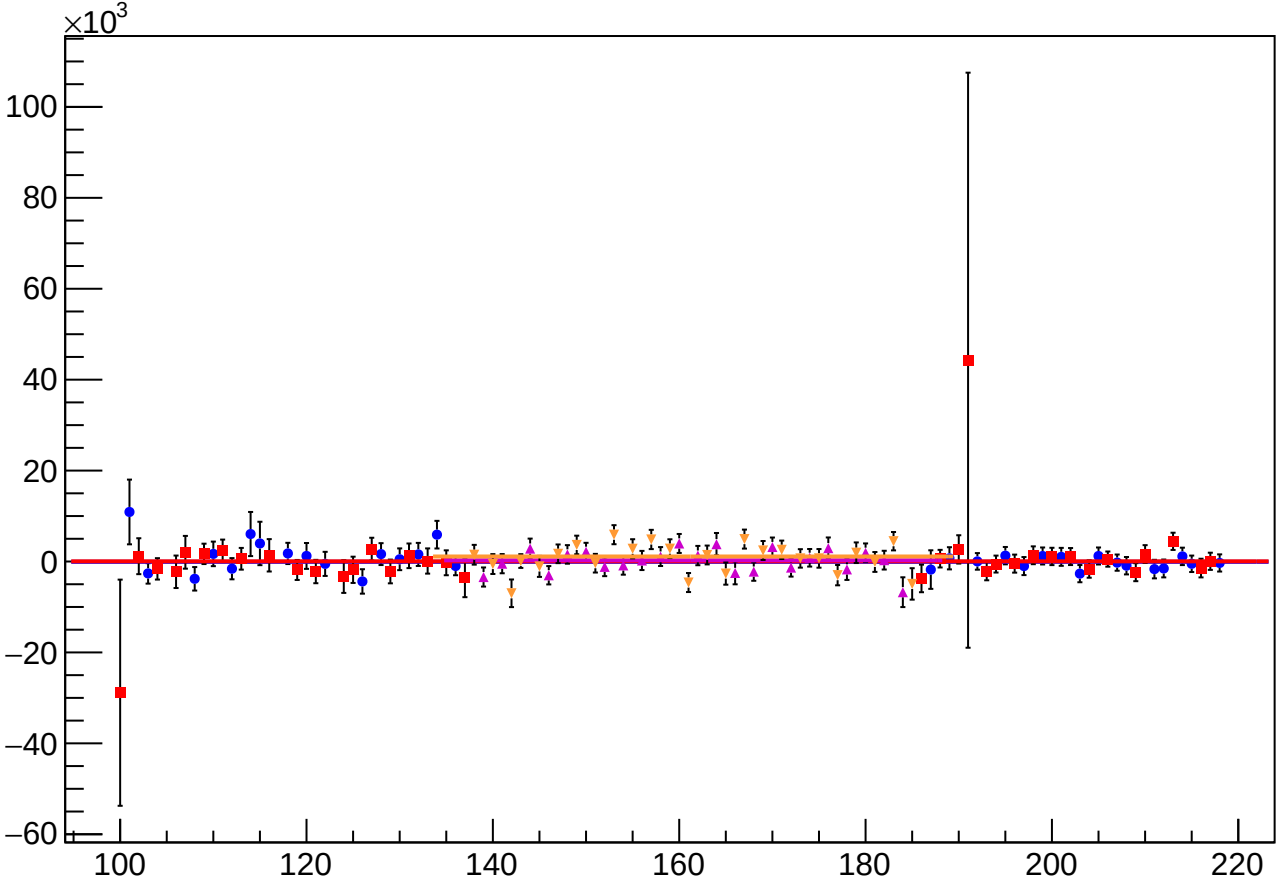
Left In: 4285.828+/-0.723 χ^2/NDF:1327963.4/22

+ sign 1395.699+/-0.241 χ^2/NDF: 44949850.0/56

All: 1495.172+/-0.182 χ^2/NDF: 87965316.1/1

- sign 1626.137+/-0.277 χ^2/NDF: 42621009.5/58

dit_asym_atr1l2_dd_mean vs Slug



Right In: -67.987+/-397.771 χ^2/NDF: 23.3/31

Left Out: 1103.308+/-425.320 χ^2/NDF:44.8/24

Right Out: 36.849+/-396.429 χ^2/NDF: 24.0/35

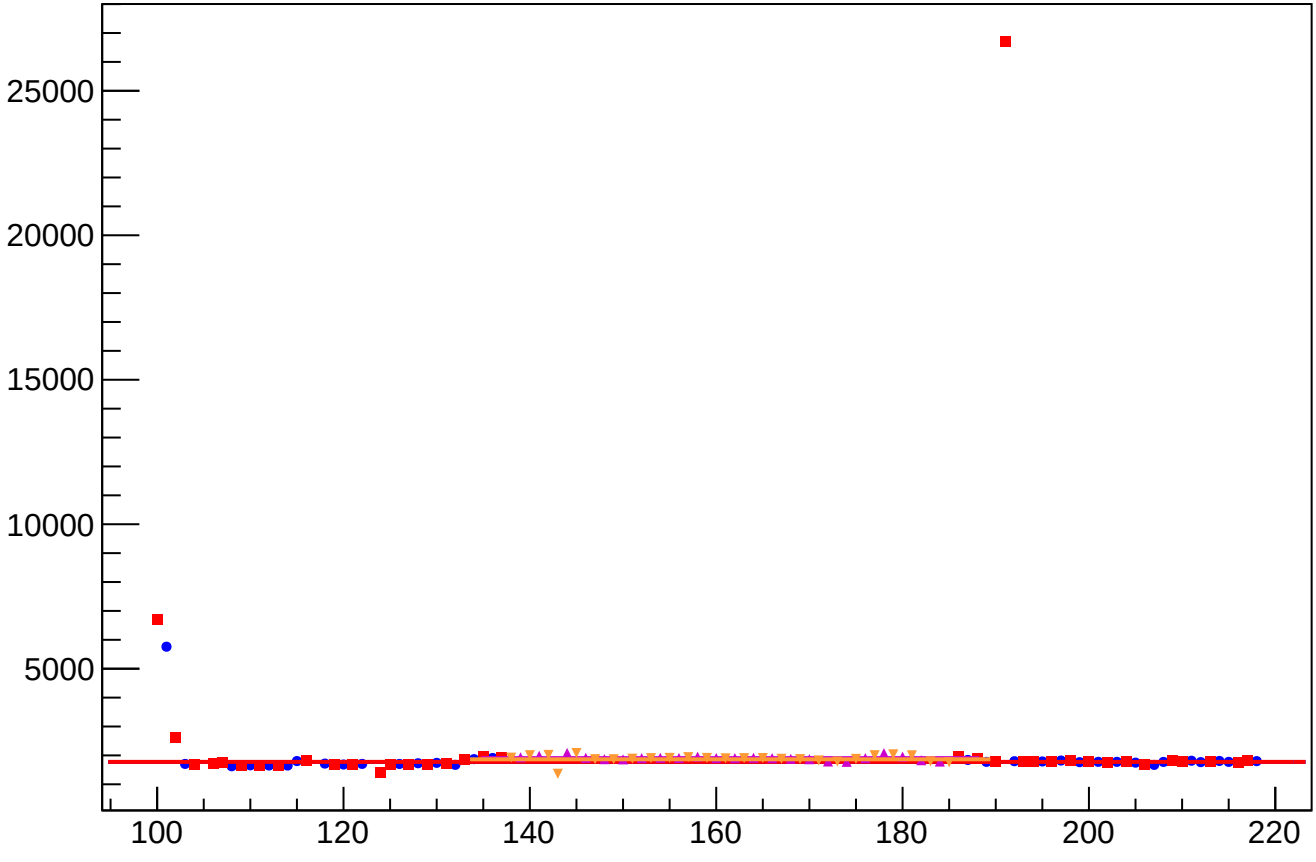
Left In: 264.609+/-445.353 χ^2/NDF:27.7/22

+ sign 478.500+/-290.518 χ^2/NDF: 72.2/56

All: 311.268+/-207.376 χ^2/NDF: 124.6/115

- sign 137.536+/-296.110 χ^2/NDF: 51.8/58

dit_asym_atr1l2_dd_rms vs Slug



Right In: 1772.021+/-0.281 χ^2/NDF: 679414.9/31

Left Out: 1864.841+/-0.301 χ^2/NDF:294712.1/24

Right Out: 1775.179+/-0.280 χ^2/NDF: 570707.3/35

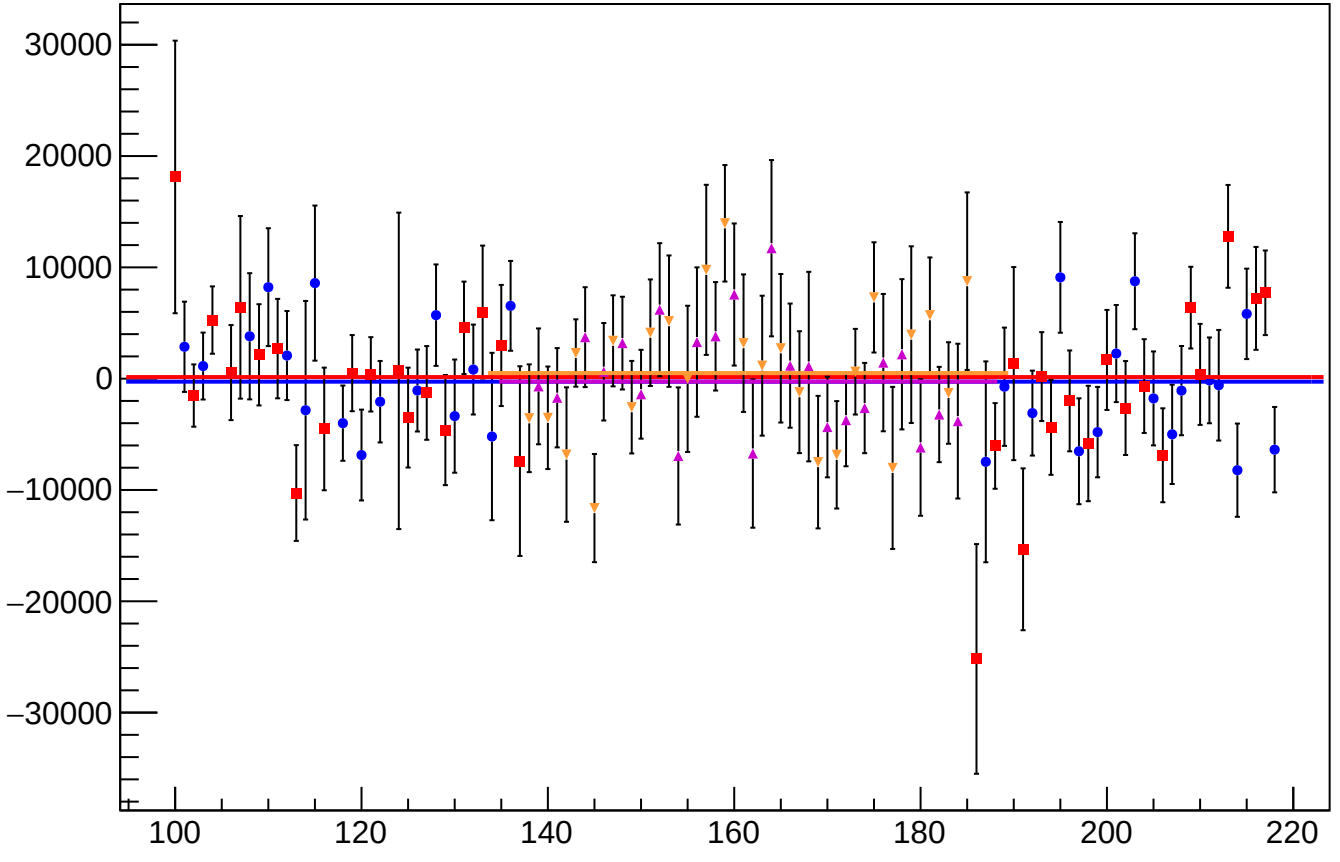
Left In: 1905.628+/-0.315 χ^2/NDF:52781.7/22

+ sign 1815.328+/-0.205 χ^2/NDF: 1024938.0/56

All: 1823.892+/-0.147 χ^2/NDF: 1747794.0/11

- sign 1832.779+/-0.209 χ^2/NDF: 719314.3/58

asym_atr1l2_dd_dit_correction_mean vs Slug



Right In: -270.116+/-770.383 χ^2/NDF: 37.6/31

Left Out: 504.261+/-1021.684 χ^2/NDF:30.1/24

Right Out: 143.666+/-750.406 χ^2/NDF: 53.8/35

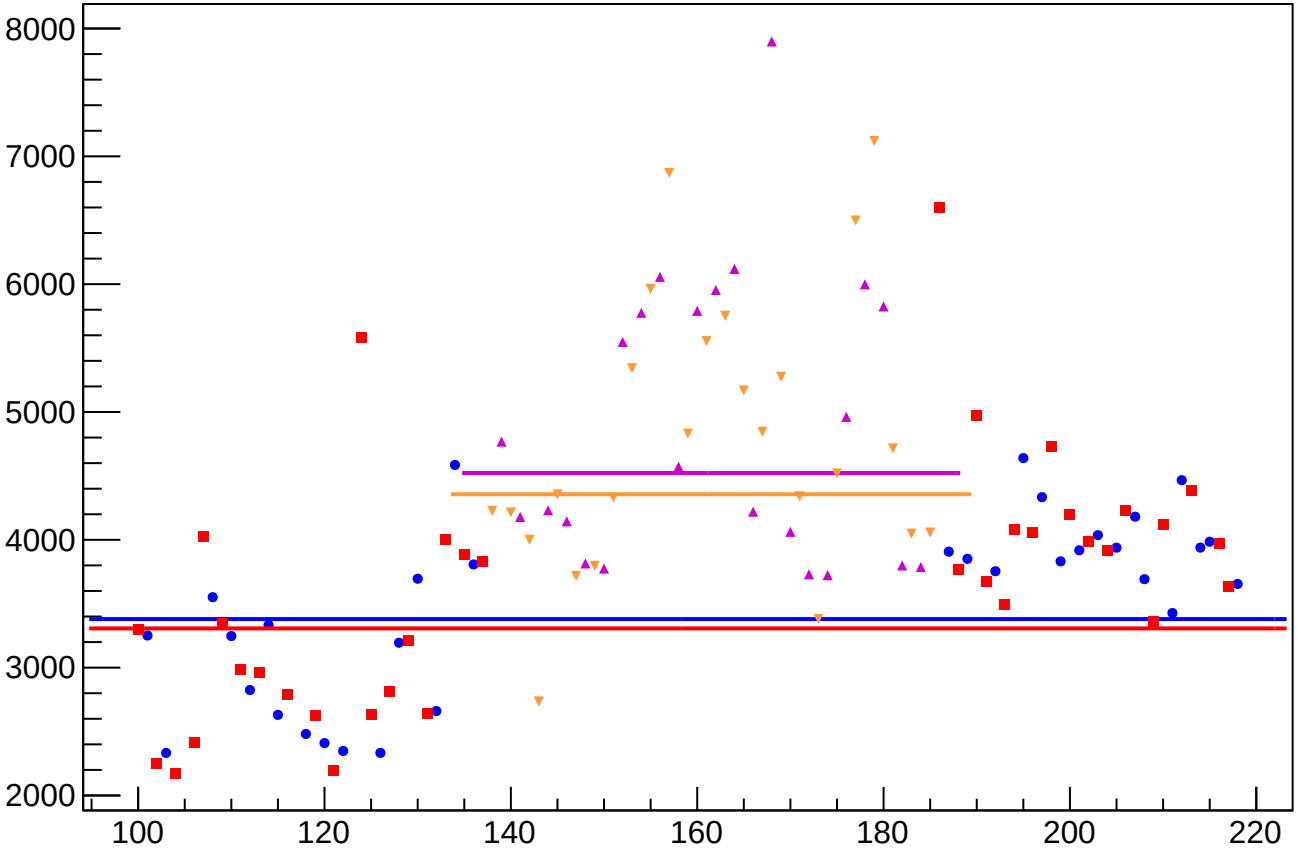
Left In: -261.050+/-1081.402 χ^2/NDF:13.6/22

\+ sign 10.576+/-615.113 χ^2/NDF: 68.0/56

All: 11.349+/-435.445 χ^2/NDF: 135.5/115

\- sign 12.125+/-616.512 χ^2/NDF: 67.5/58

asym_atr1l2_dd_dit_correction_rms vs Slug



Right In: 3380.062+/-0.545 χ^2/NDF: 1682610.9/31

Left Out: 4356.643+/-0.722 χ^2/NDF:1912322.9/24

Right Out: 3306.927+/-0.531 χ^2/NDF: 2331322.5/35

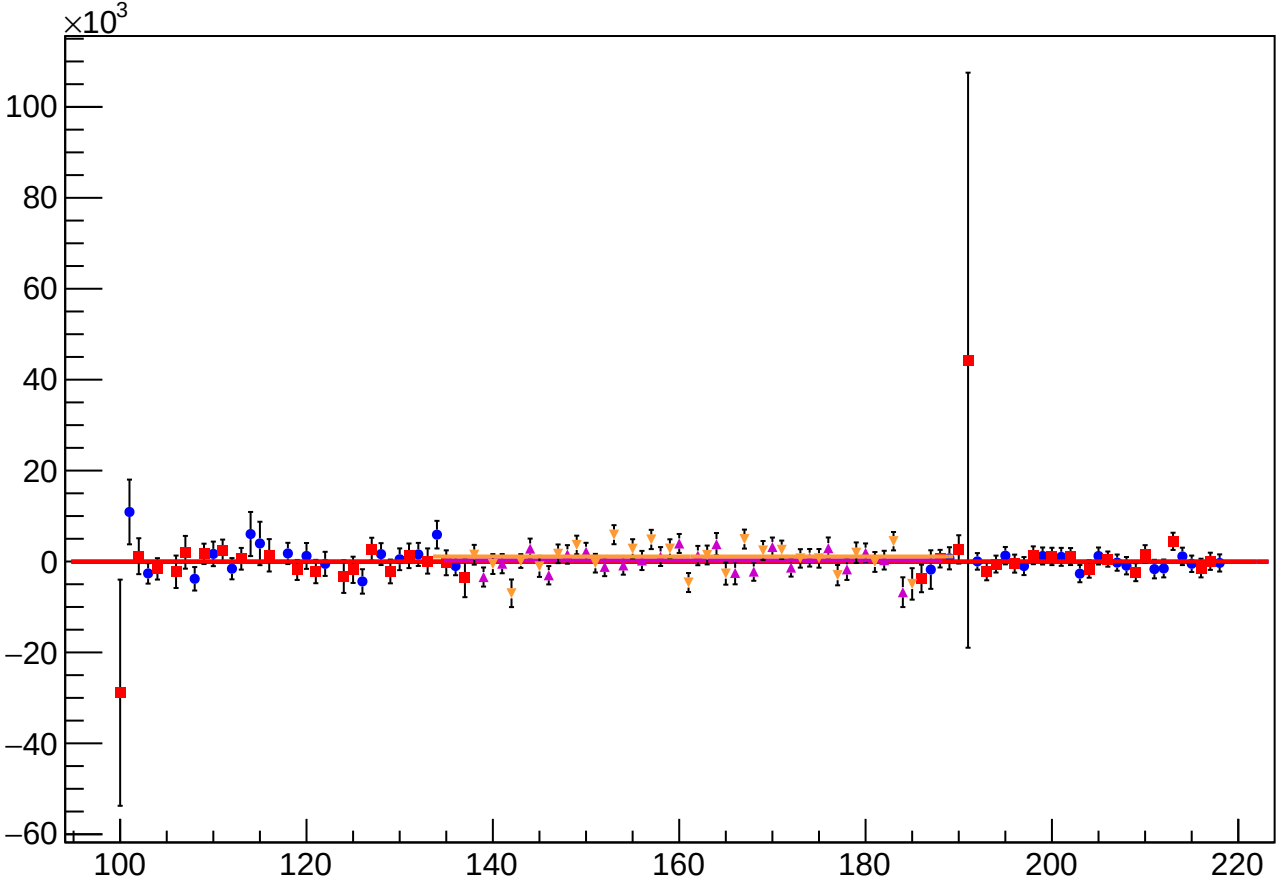
Left In: 4522.787+/-0.765 χ^2/NDF:1434008.9/22

+ sign 3734.048+/-0.435 χ^2/NDF: 4759895.4/56

All: 3718.113+/-0.308 χ^2/NDF: 10234447.5/1

- sign 3702.105+/-0.436 χ^2/NDF: 5471861.6/58

eigen_dit_asym_atr1l2_dd_mean vs Slug



Right In: -67.988+/-397.771 χ^2/NDF: 23.3/31

Left Out: 1103.310+/-425.321 χ^2/NDF:44.8/24

Right Out: 36.849+/-396.429 χ^2/NDF: 24.0/35

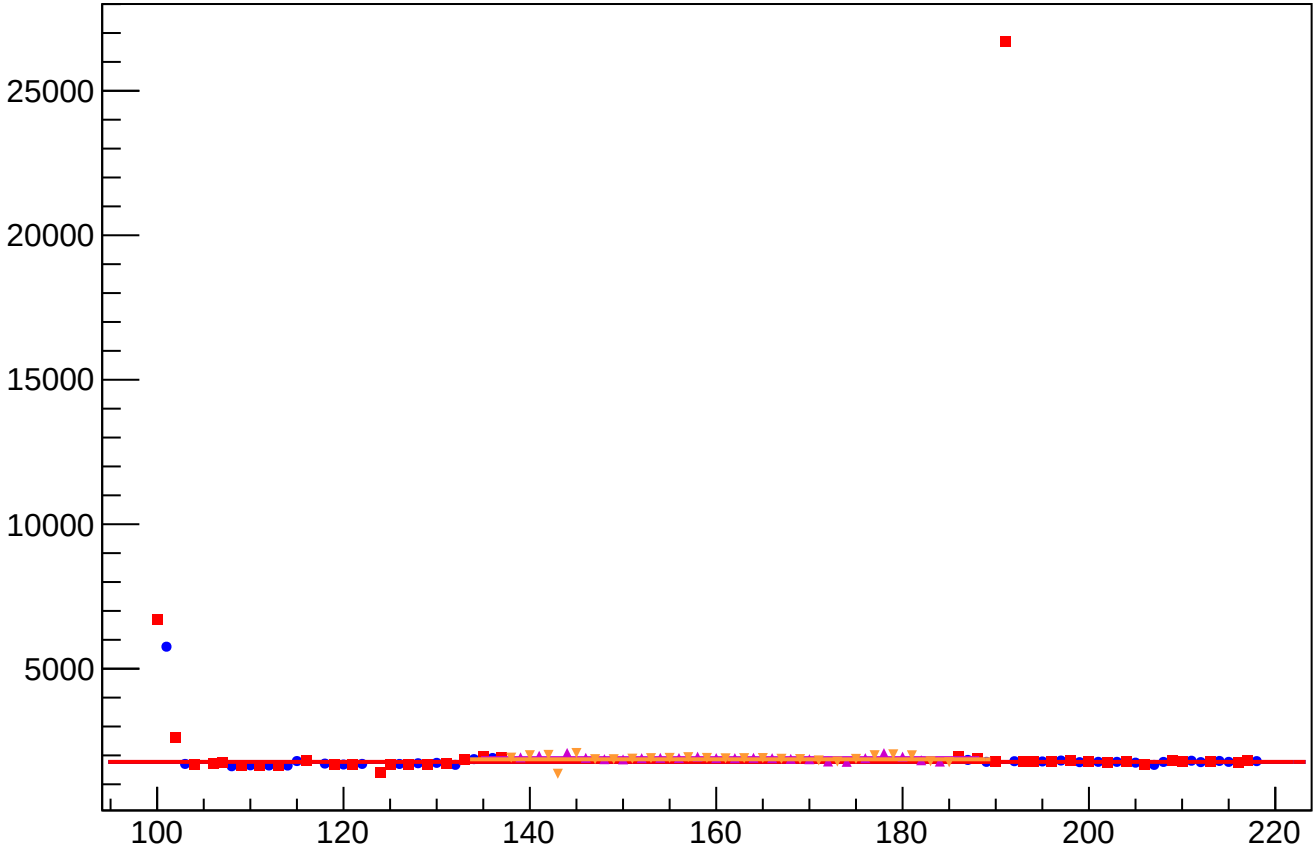
Left In: 264.609+/-445.354 χ^2/NDF:27.7/22

+ sign 478.500+/-290.518 χ^2/NDF: 72.2/56

All: 311.268+/-207.376 χ^2/NDF: 124.6/115

- sign 137.536+/-296.110 χ^2/NDF: 51.8/58

eigen_dit_asym_atr1l2_dd_rms vs Slug



Right In: 1772.021+/-0.281 χ^2/NDF: 679414.9/31

Left Out: 1864.842+/-0.301 χ^2/NDF:294715.4/24

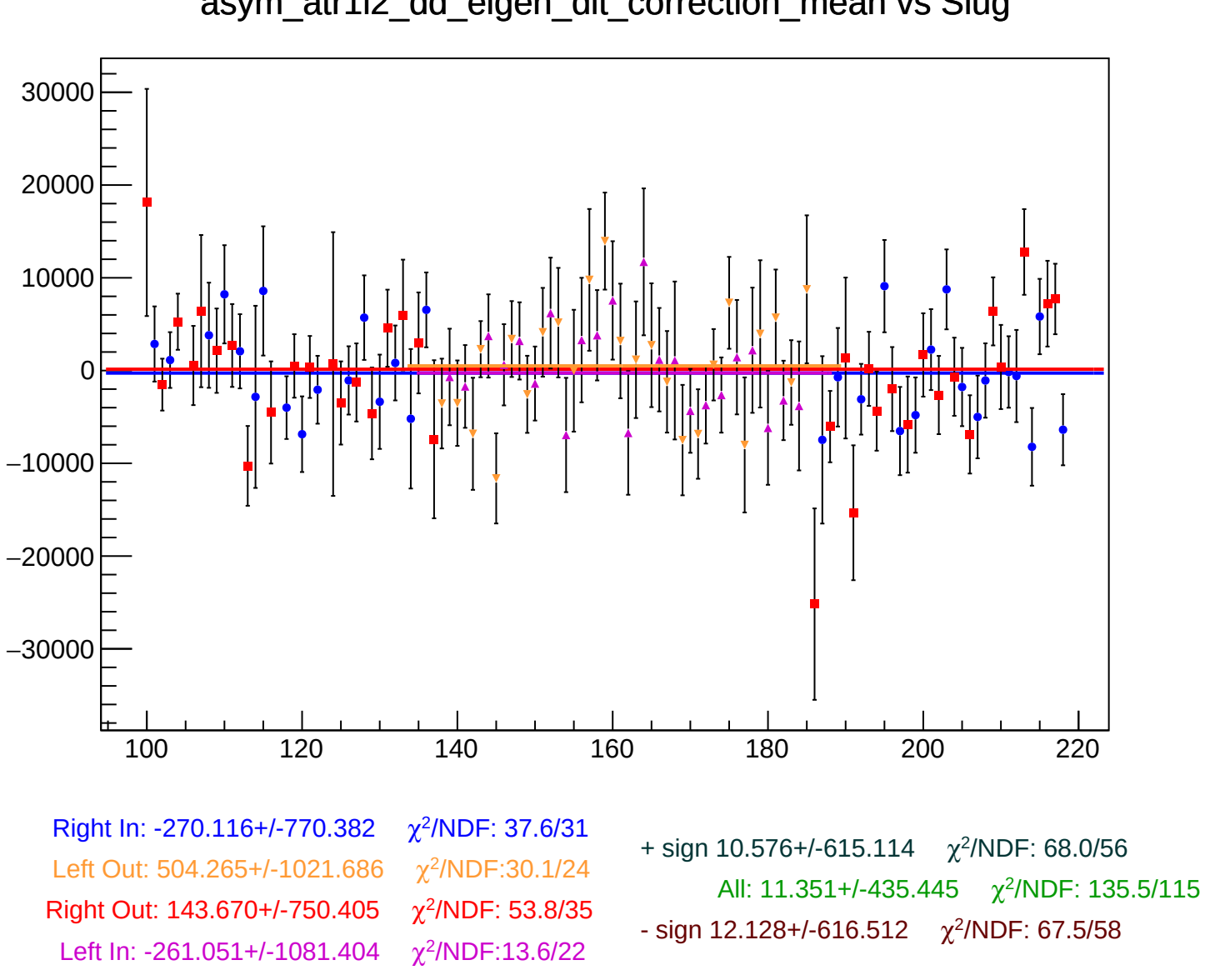
Right Out: 1775.179+/-0.280 χ^2/NDF: 570707.3/35

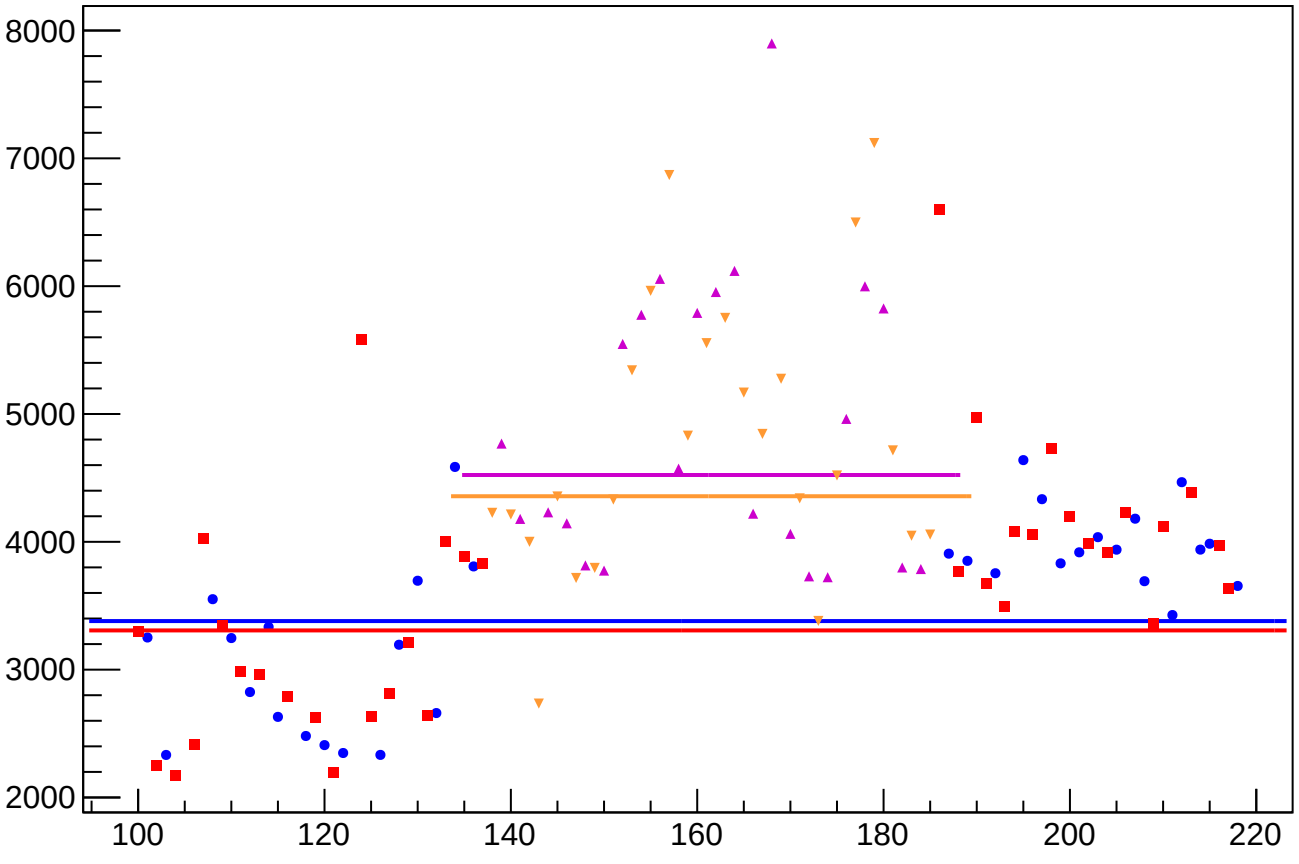
Left In: 1905.629+/-0.315 χ^2/NDF:52783.9/22

+ sign 1815.328+/-0.205 χ^2/NDF: 1024942.3/56

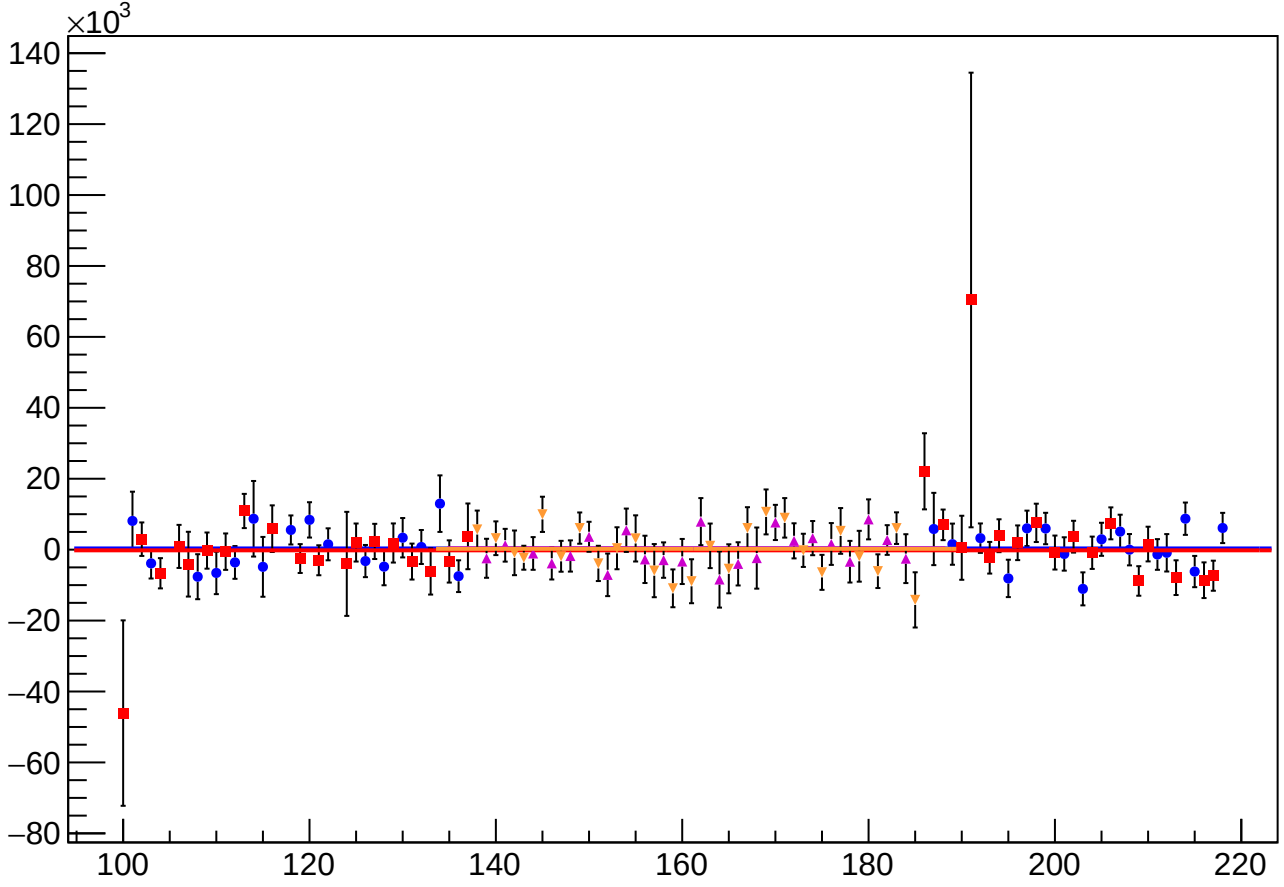
All: 1823.893+/-0.147 χ^2/NDF: 1747802.0/11

- sign 1832.780+/-0.209 χ^2/NDF: 719317.9/58


asym_atr1l2_dd_eigen_dit_correction_mean vs Slug
30000
20000
10000
0
−10000
−20000
−30000
100
120
140
160
180
200
220
Right In: -270.116+/-770.382 χ²/NDF: 37.6/31
Left Out: 504.265+/-1021.686 χ²/NDF:30.1/24
Right Out: 143.670+/-750.405 χ²/NDF: 53.8/35
Left In: -261.051+/-1081.404 χ²/NDF:13.6/22
+ sign 10.576+/-615.114 χ²/NDF: 68.0/56
All: 11.351+/-435.445 χ²/NDF: 135.5/115
- sign 12.128+/-616.512 χ²/NDF: 67.5/58


asym_atr1l2_dd_eigen_dit_correction_rms vs Slug
8000
7000
6000
5000
4000
3000
2000
100
120
140
160
180
200
220
Right In: 3380.059+/-0.545 χ²/NDF: 1682645.6/31
Left Out: 4356.650+/-0.722 χ²/NDF:1912327.4/24
Right Out: 3306.924+/-0.531 χ²/NDF: 2331341.7/35
Left In: 4522.795+/-0.765 χ²/NDF:1434009.9/22
+ sign 3734.048+/-0.435 χ²/NDF: 4759954.1/56
All: 3718.112+/-0.308 χ²/NDF: 10234553.8/1
- sign 3702.104+/-0.436 χ²/NDF: 5471909.0/58

asym_atr1l2_dd_mean vs Slug



Right In: 339.300+/-887.795 χ^2/NDF: 39.5/31

Left Out: 239.929+/-1064.647 χ^2/NDF:32.2/24

Right Out: -187.686+/-880.752 χ^2/NDF: 43.0/35

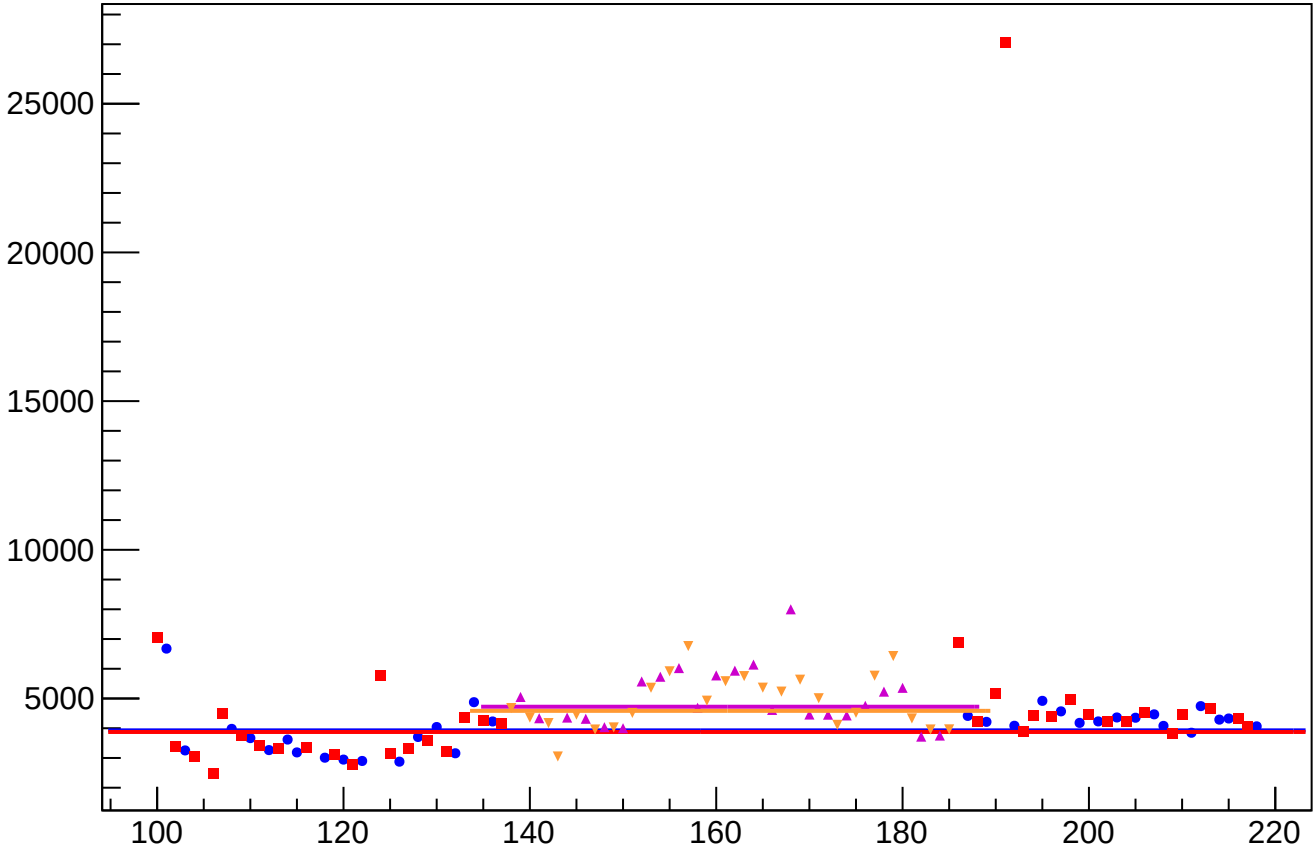
Left In: 397.881+/-1121.323 χ^2/NDF:14.2/22

+ sign 298.542+/-681.837 χ^2/NDF: 71.7/56

All: 169.204+/-485.905 χ^2/NDF: 129.2/115

- sign 35.737+/-692.638 χ^2/NDF: 57.4/58

asym_atr1l2_dd_rms vs Slug



Right In: 3928.615+/-0.628 χ^2/NDF: 1089551.1/31

Left Out: 4584.664+/-0.753 χ^2/NDF:1311720.7/24

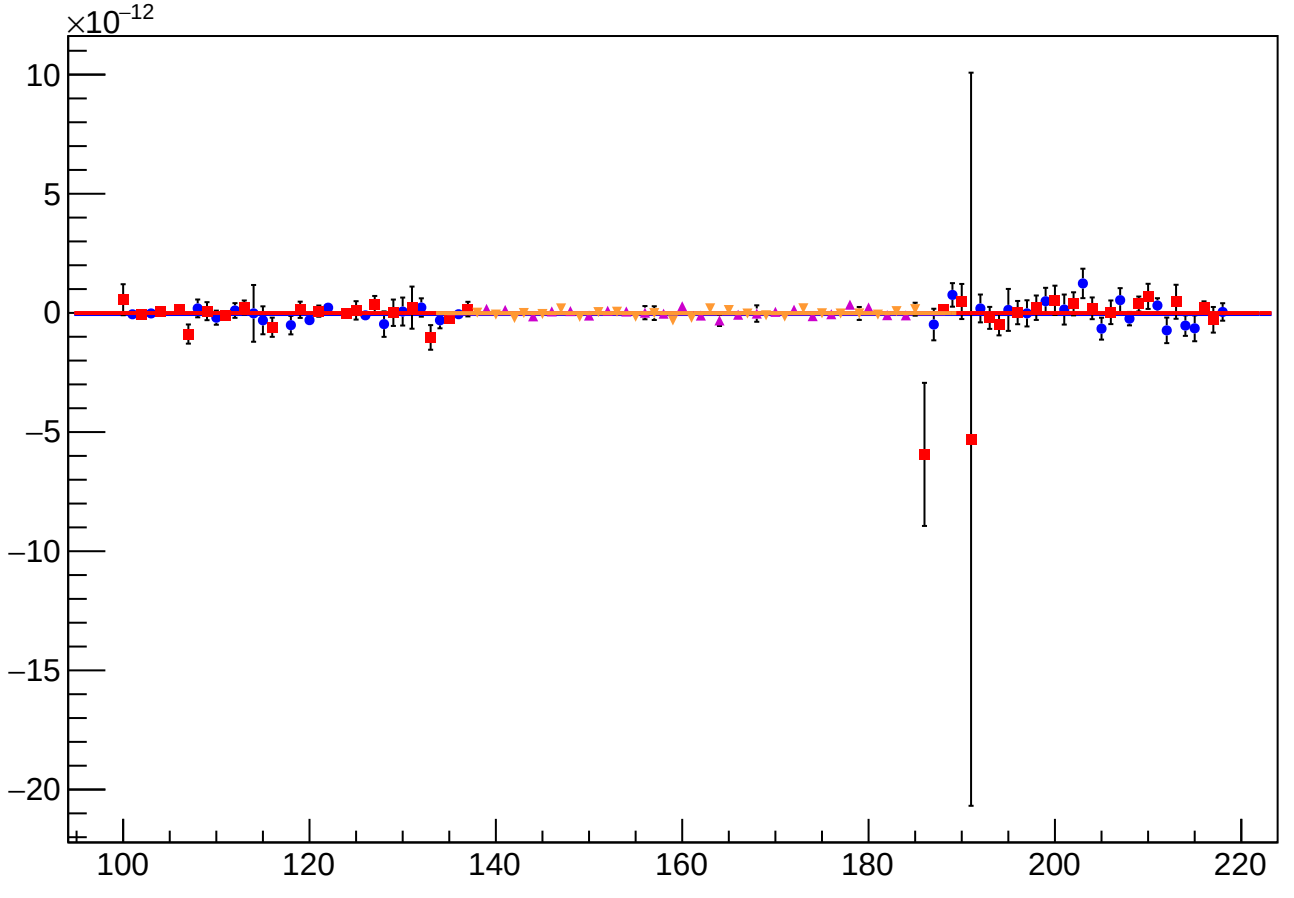
Right Out: 3874.464+/-0.619 χ^2/NDF: 1525747.1/35

Left In: 4723.014+/-0.793 χ^2/NDF:1016613.0/22

+ sign 4197.698+/-0.482 χ^2/NDF: 2849220.4/56

All: 4196.628+/-0.343 χ^2/NDF: 6103547.1/11

- sign 4195.533+/-0.488 χ^2/NDF: 3254316.8/58



Right In: -0.000+/-0.000 χ^2/NDF: 26.4/31

Left Out: -0.000+/-0.000 χ^2/NDF:22.8/24

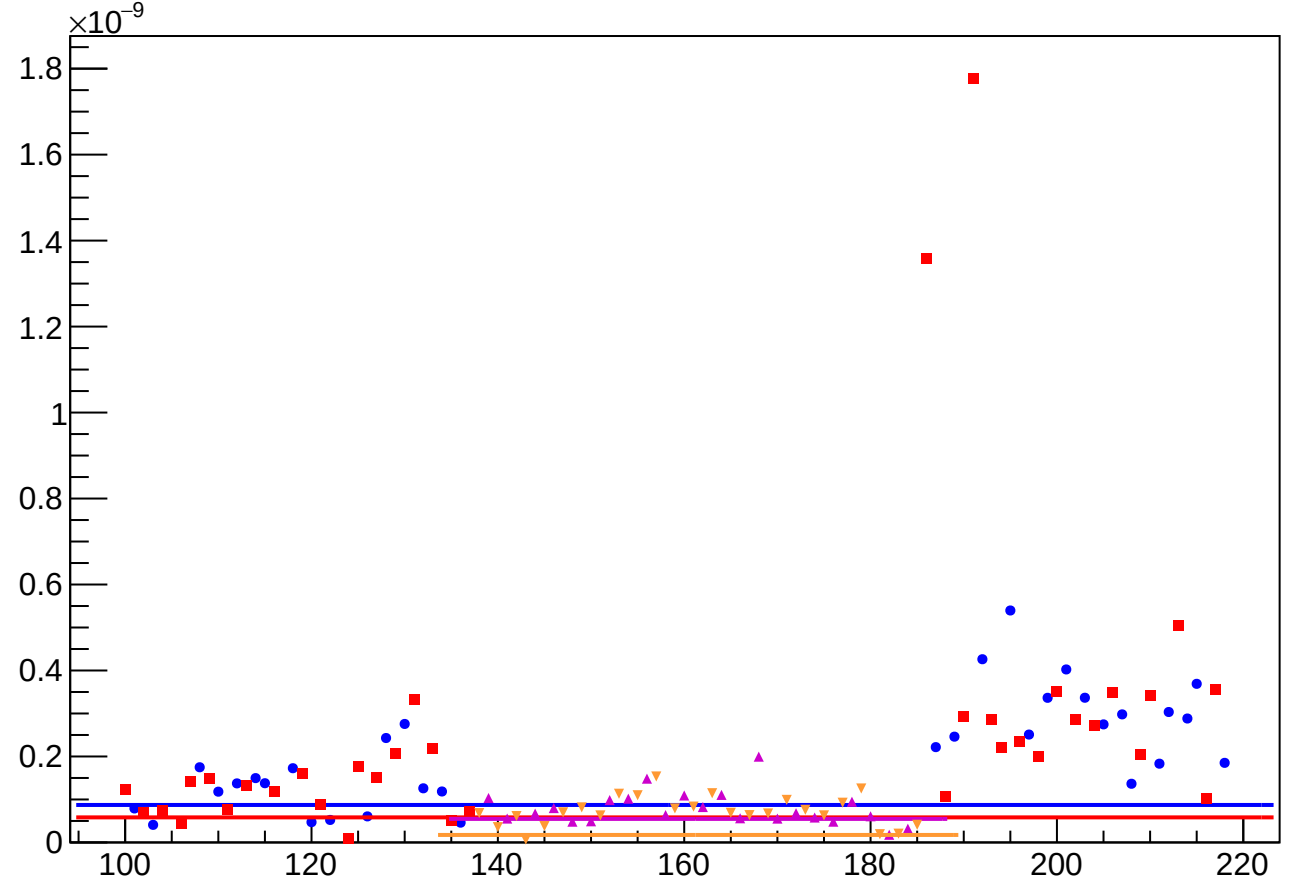
Right Out: -0.000+/-0.000 χ^2/NDF: 31.5/35

Left In: -0.000+/-0.000 χ^2/NDF:26.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 49.9/56

All: -0.000+/-0.000 χ^2/NDF: 107.6/115

- sign -0.000+/-0.000 χ^2/NDF: 57.6/58



Right In: 0.000+/-0.000 χ^2/NDF: 7291086.0/31

Left Out: 0.000+/-0.000 χ^2/NDF:8870606.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10033443.4/35

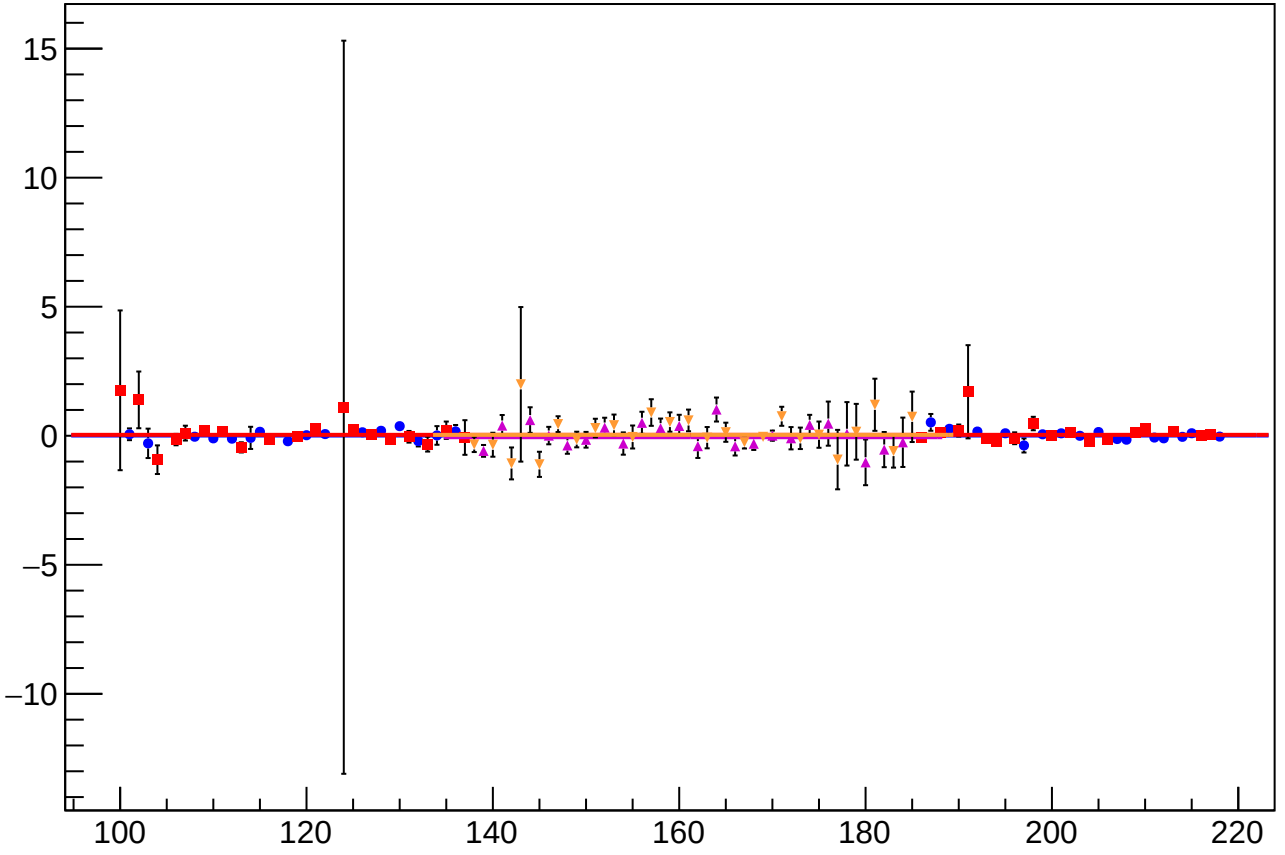
Left In: 0.000+/-0.000 χ^2/NDF:2798764.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 21411041.8/56

All: 0.000+/-0.000 χ^2/NDF: 38790625.2/115

- sign 0.000+/-0.000 χ^2/NDF: 12846762.6/58

asym_atr1l2_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.009+/-0.028 χ^2/NDF: 26.1/31

Left Out: 0.034+/-0.078 χ^2/NDF:30.5/24

Right Out: 0.036+/-0.028 χ^2/NDF: 41.5/35

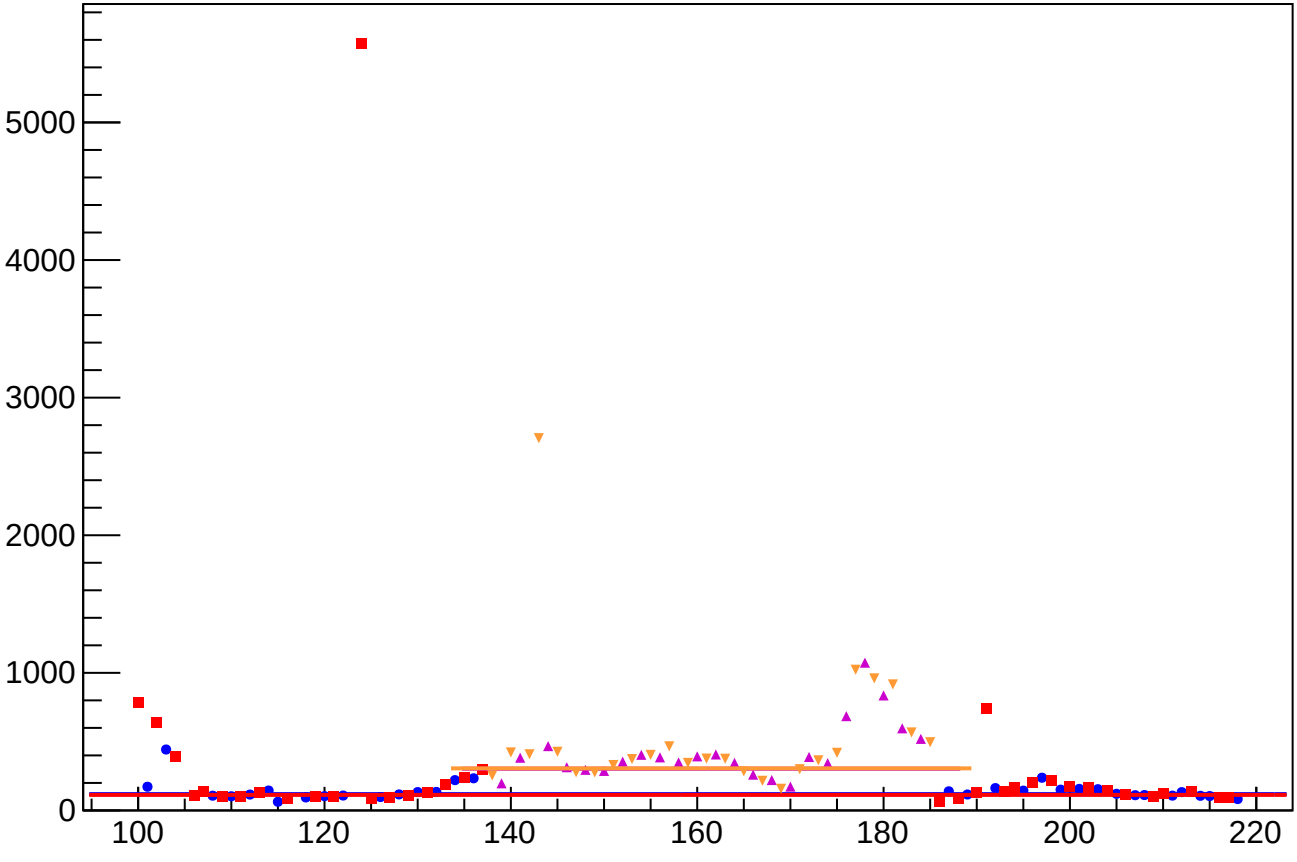
Left In: -0.056+/-0.077 χ^2/NDF:26.1/22

+ sign 0.012+/-0.027 χ^2/NDF: 56.7/56

All: 0.019+/-0.019 χ^2/NDF: 125.6/115

- sign 0.025+/-0.026 χ^2/NDF: 68.8/58

asym_atr1l2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 118.620+/-0.020 χ^2/NDF: 2976057.1/31

Left Out: 305.950+/-0.055 χ^2/NDF:6634928.0/24

Right Out: 113.193+/-0.020 χ^2/NDF: 4640823.2/35

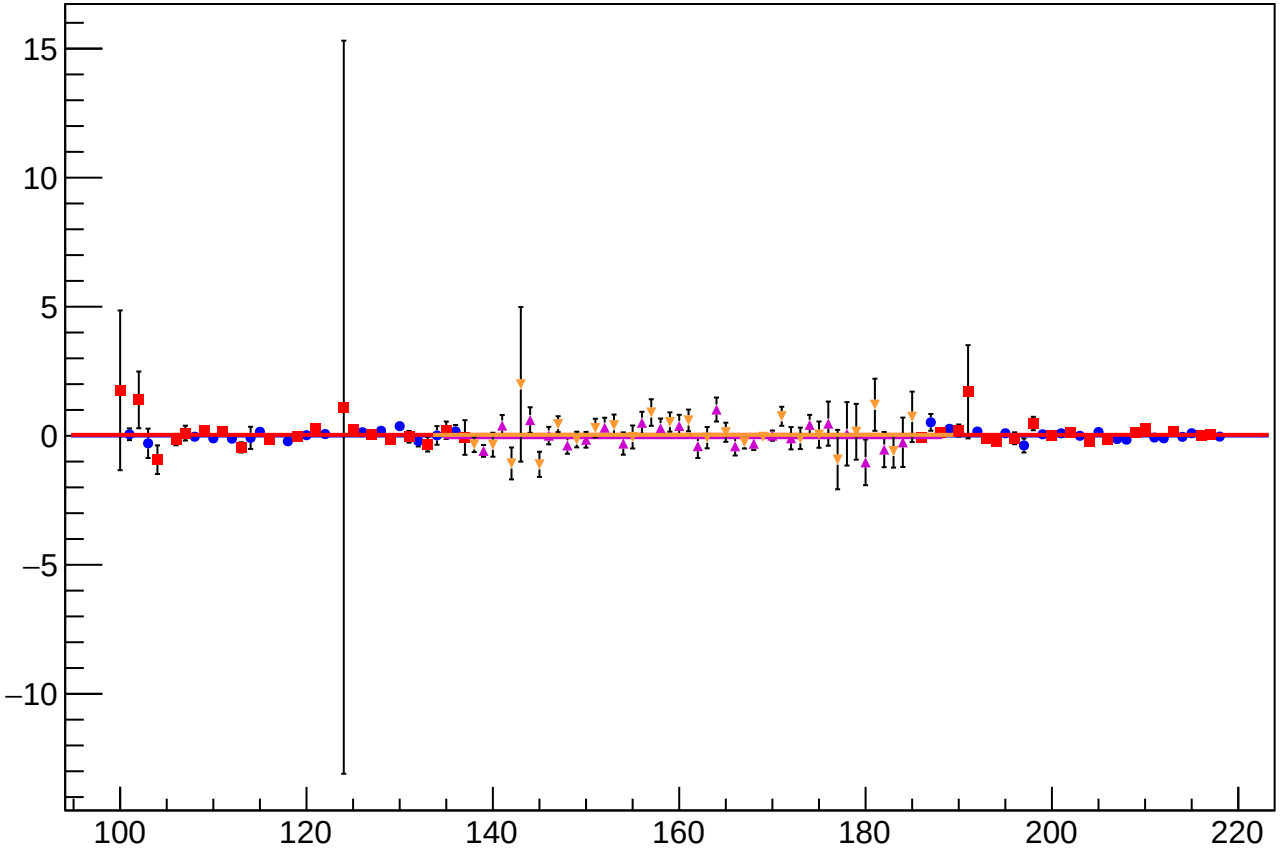
Left In: 303.278+/-0.055 χ^2/NDF:4813442.3/22

+ sign 140.381+/-0.019 χ^2/NDF: 19823418.2/56

All: 137.495+/-0.013 χ^2/NDF: 40046266.2/11

- sign 134.725+/-0.018 χ^2/NDF: 20176567.3/58

asym_atr1l2_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.009+/-0.028 χ^2/NDF: 26.1/31

Left Out: 0.034+/-0.078 χ^2/NDF:30.5/24

Right Out: 0.036+/-0.028 χ^2/NDF: 41.5/35

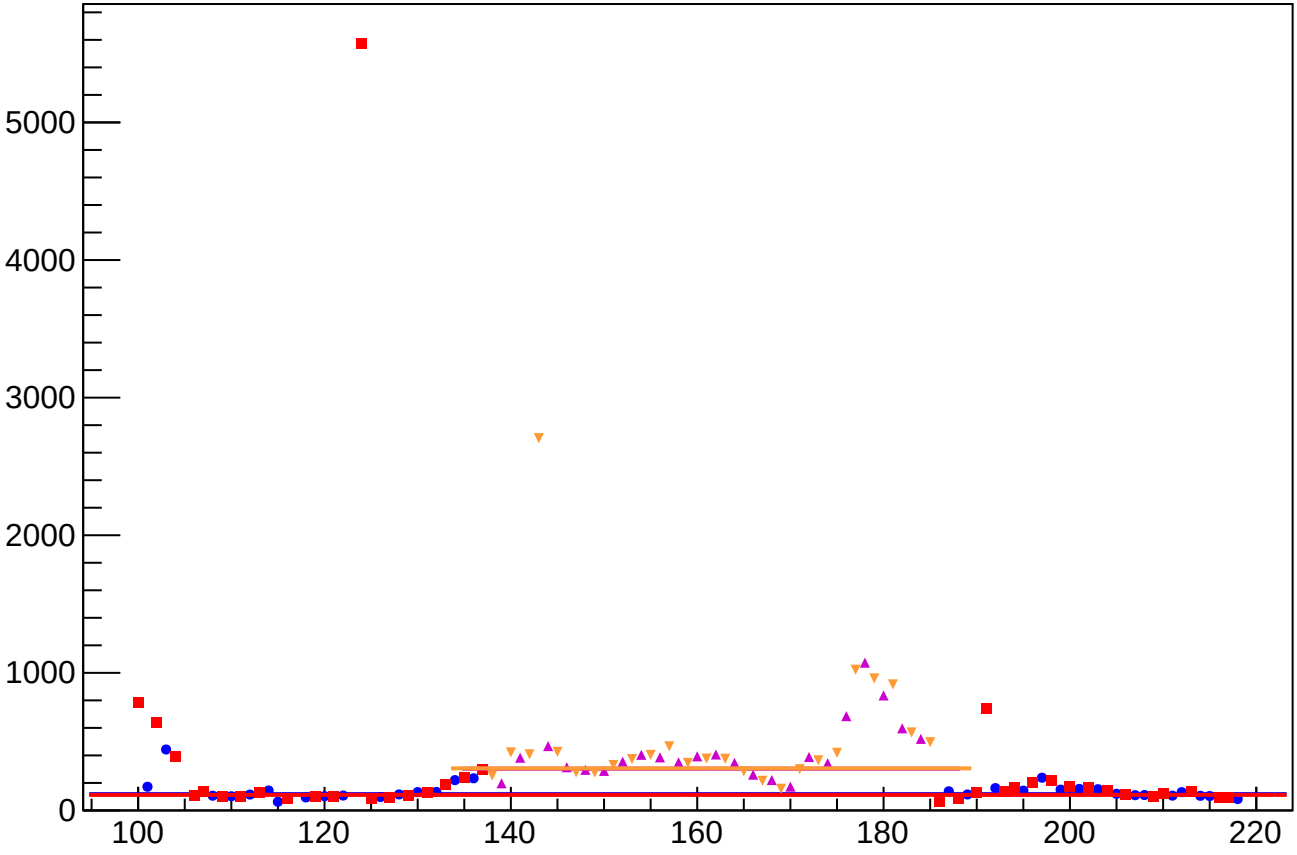
Left In: -0.056+/-0.077 χ^2/NDF:26.1/22

\+ sign 0.012+/-0.027 χ^2/NDF: 56.7/56

All: 0.019+/-0.019 χ^2/NDF: 125.6/115

\- sign 0.025+/-0.026 χ^2/NDF: 68.8/58

asym_atr1l2_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 118.620+/-0.020 χ^2/NDF: 2976057.1/31

Left Out: 305.950+/-0.055 χ^2/NDF:6634928.0/24

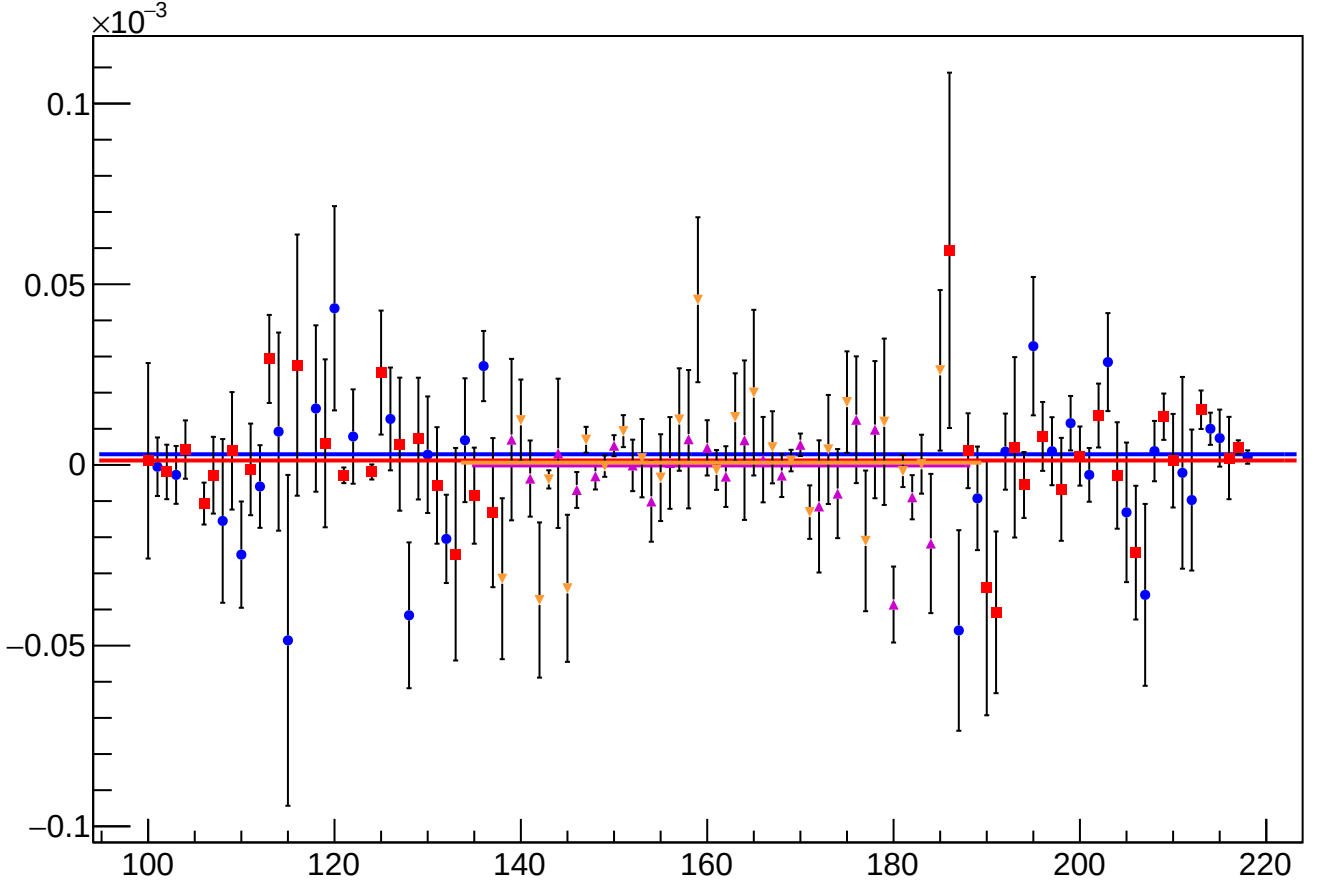
Right Out: 113.193+/-0.020 χ^2/NDF: 4640823.2/35

Left In: 303.278+/-0.055 χ^2/NDF:4813442.3/22

+ sign 140.381+/-0.019 χ^2/NDF: 19823418.2/56

All: 137.495+/-0.013 χ^2/NDF: 40046266.2/11

- sign 134.725+/-0.018 χ^2/NDF: 20176567.3/58



Right In: 0.000+/-0.000 χ^2/NDF: 43.0/31

Left Out: 0.000+/-0.000 χ^2/NDF:34.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 46.5/35

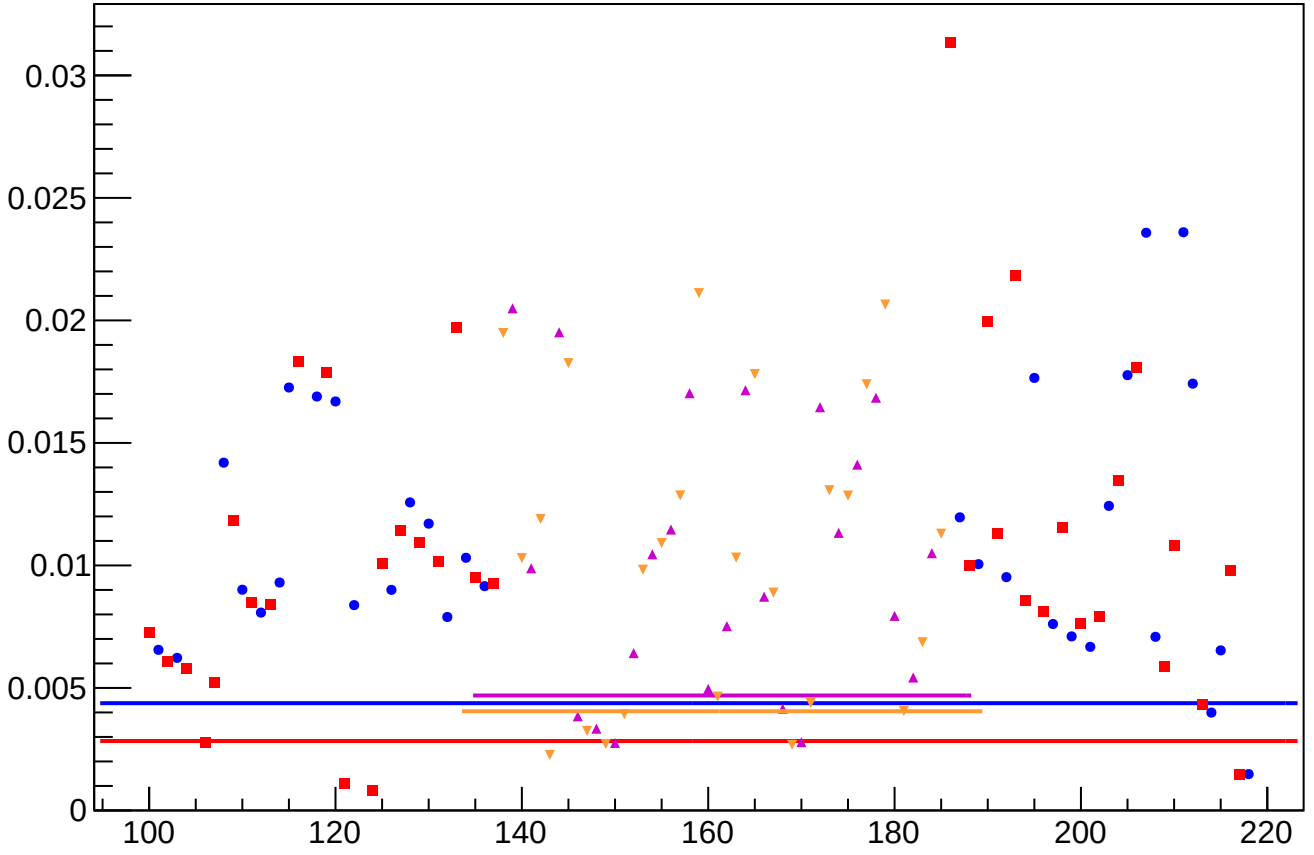
Left In: -0.000+/-0.000 χ^2/NDF:29.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 79.2/56

All: 0.000+/-0.000 χ^2/NDF: 156.7/115

- sign 0.000+/-0.000 χ^2/NDF: 77.0/58

asym_atr1l2_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF: 16882340.7/31

Left Out: 0.004+/-0.000 χ^2/NDF:13552895.5/24

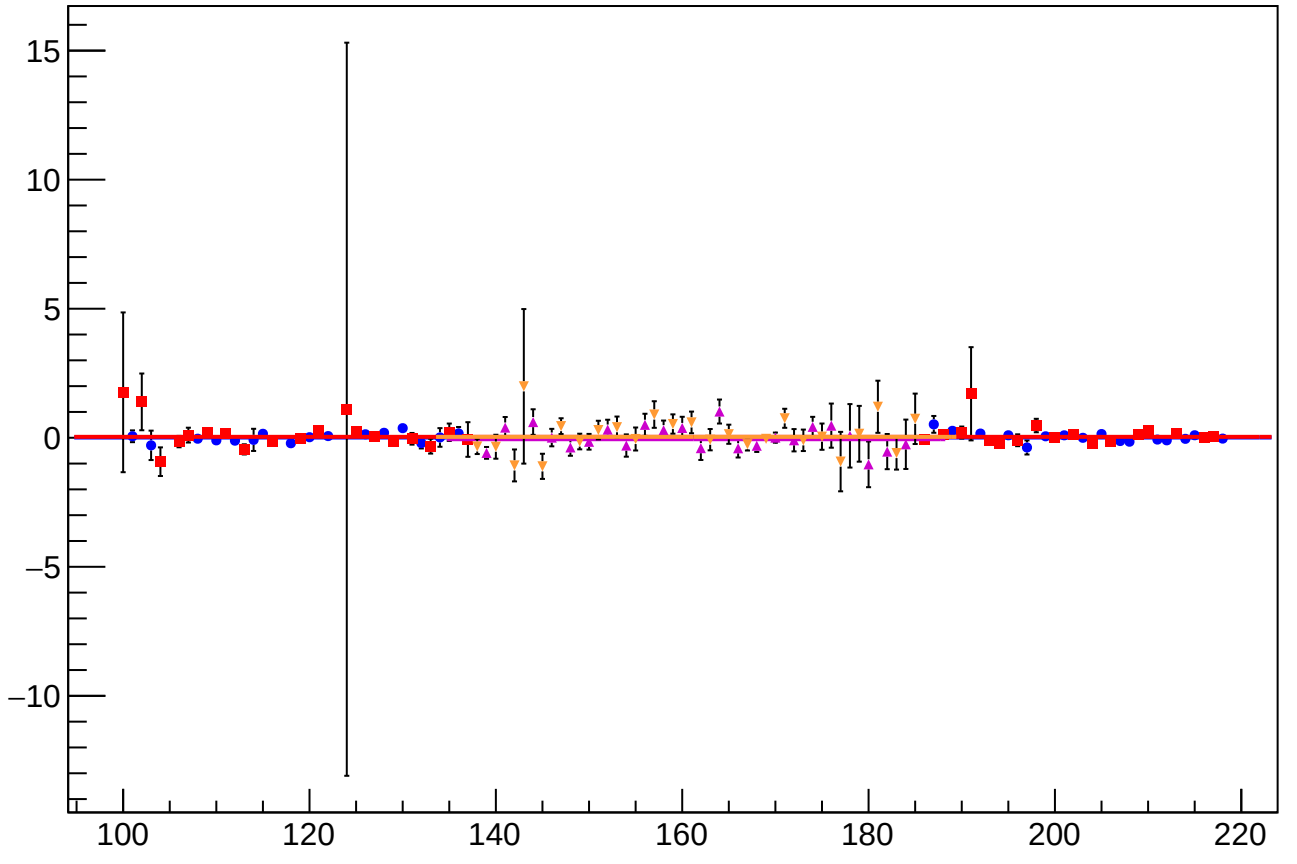
Right Out: 0.003+/-0.000 χ^2/NDF: 22207403.3/35

Left In: 0.005+/-0.000 χ^2/NDF:10859759.8/22

+ sign 0.004+/-0.000 χ^2/NDF: 30501249.1/56

All: 0.004+/-0.000 χ^2/NDF: 66613456.6/115

- sign 0.003+/-0.000 χ^2/NDF: 35392445.4/58



Right In: 0.009+/-0.028 χ^2/NDF: 26.1/31

Left Out: 0.034+/-0.078 χ^2/NDF:30.5/24

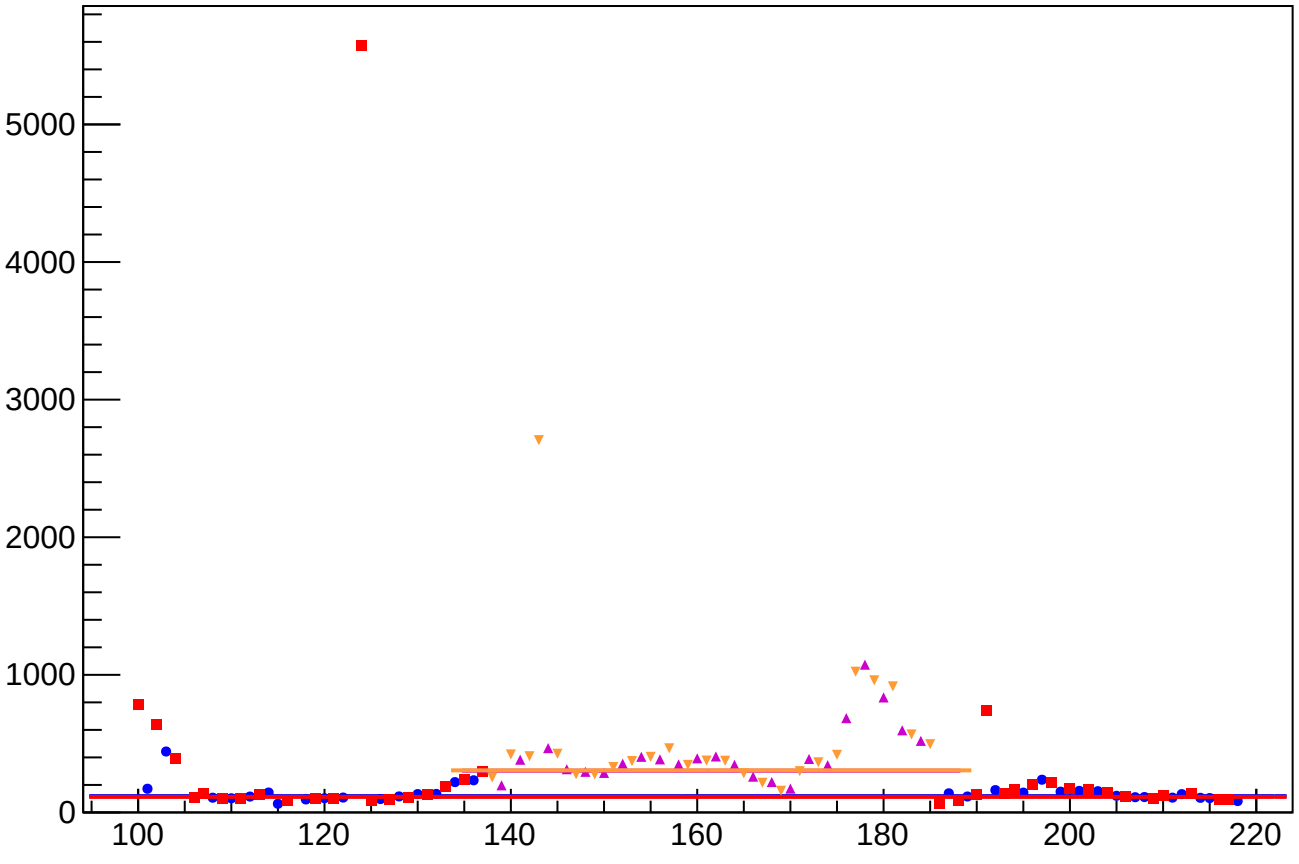
Right Out: 0.036+/-0.028 χ^2/NDF: 41.5/35

Left In: -0.056+/-0.077 χ^2/NDF:26.0/22

+ sign 0.012+/-0.027 χ^2/NDF: 56.7/56

All: 0.019+/-0.019 χ^2/NDF: 125.6/115

- sign 0.025+/-0.026 χ^2/NDF: 68.8/58



Right In: 118.621+/-0.020 χ^2/NDF: 2976057.0/31

Left Out: 305.951+/-0.055 χ^2/NDF:6634999.6/24

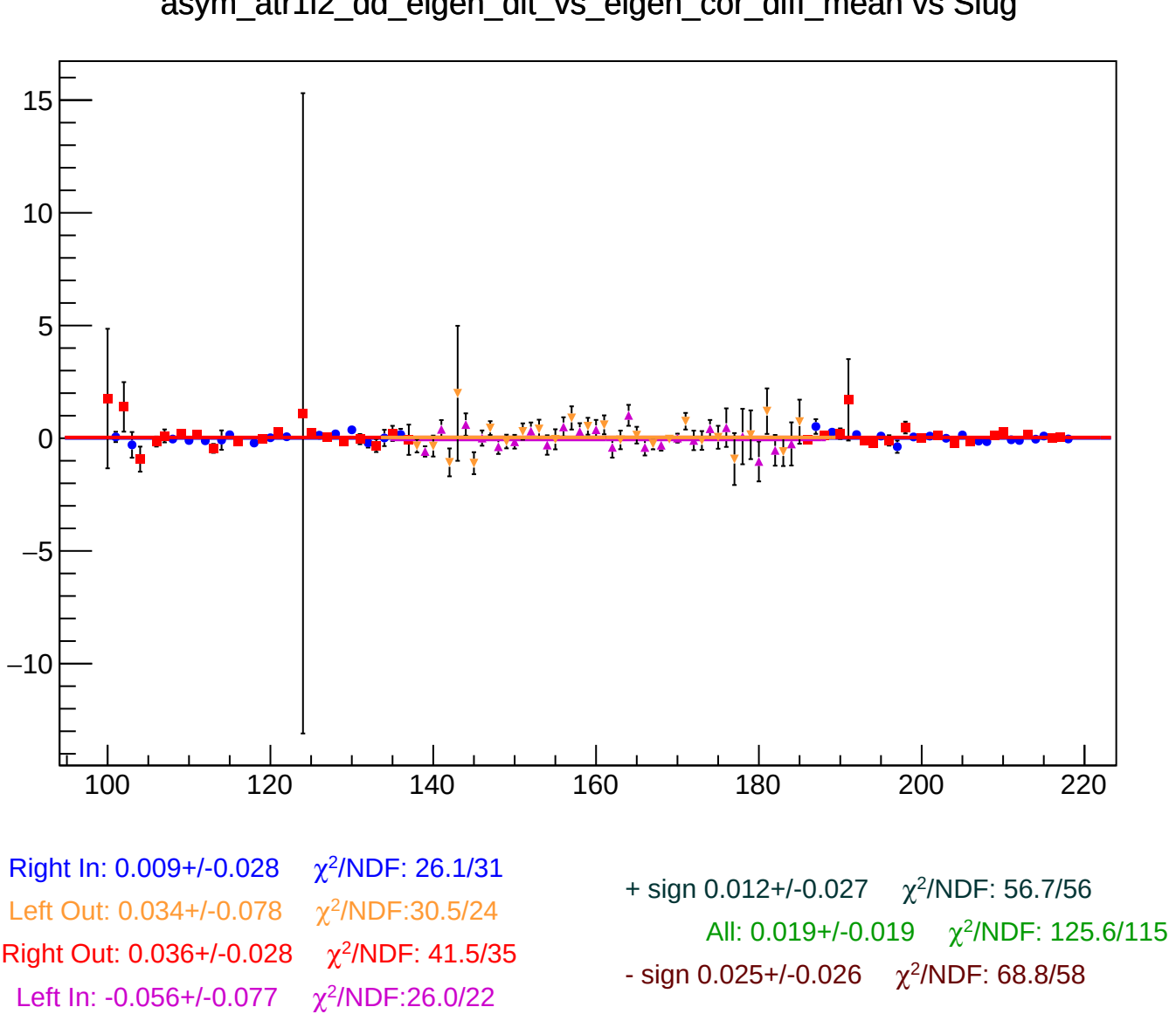
Right Out: 113.194+/-0.020 χ^2/NDF: 4640683.6/35

Left In: 303.281+/-0.055 χ^2/NDF:4813426.5/22

+ sign 140.382+/-0.019 χ^2/NDF: 19823451.4/56

All: 137.496+/-0.013 χ^2/NDF: 40046185.8/11

- sign 134.726+/-0.018 χ^2/NDF: 20176453.3/58



Right In: 0.009+/-0.028 χ^2/NDF: 26.1/31

Left Out: 0.034+/-0.078 χ^2/NDF:30.5/24

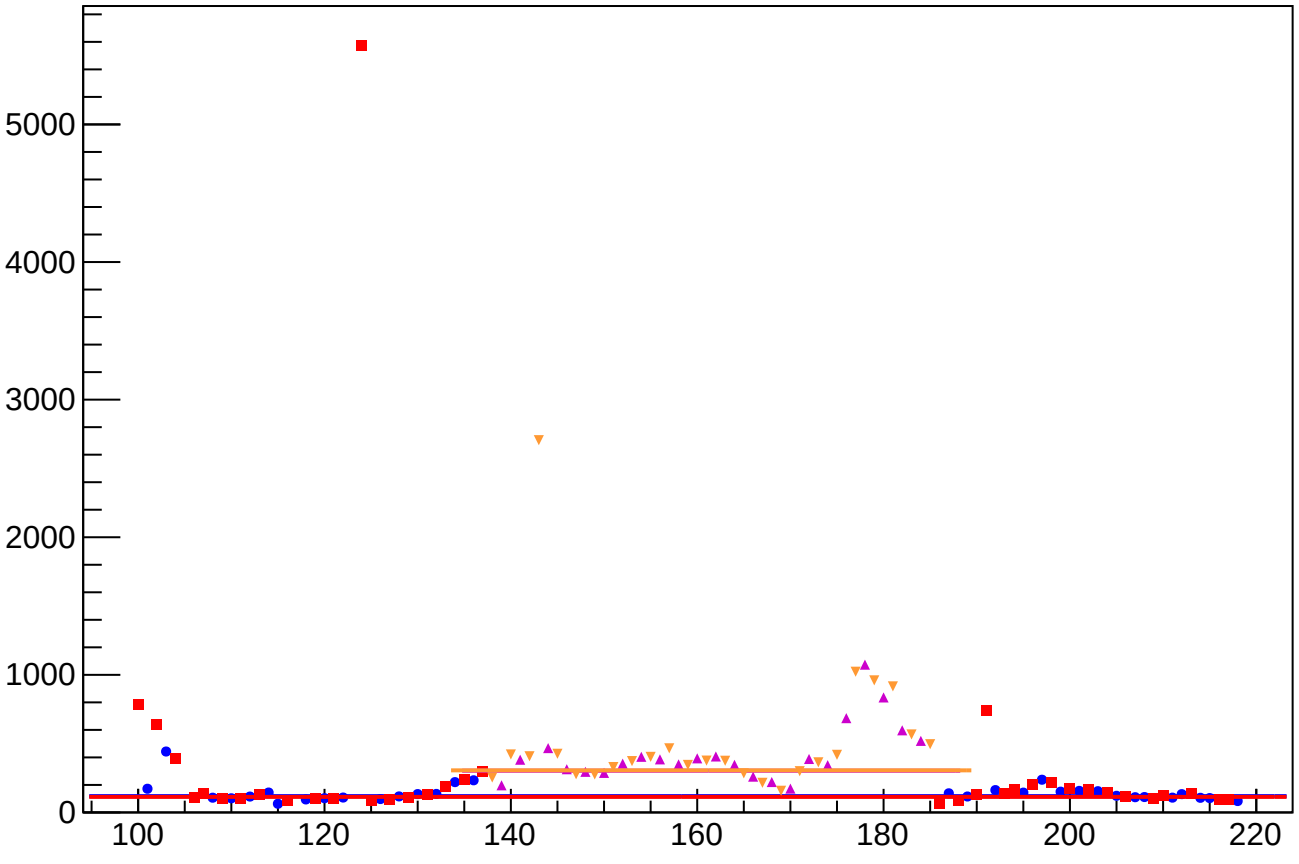
Right Out: 0.036+/-0.028 χ^2/NDF: 41.5/35

Left In: -0.056+/-0.077 χ^2/NDF:26.0/22

+ sign 0.012+/-0.027 χ^2/NDF: 56.7/56

All: 0.019+/-0.019 χ^2/NDF: 125.6/115

- sign 0.025+/-0.026 χ^2/NDF: 68.8/58



Right In: 118.621+/-0.020 χ^2/NDF: 2976057.0/31

Left Out: 305.951+/-0.055 χ^2/NDF:6634999.6/24

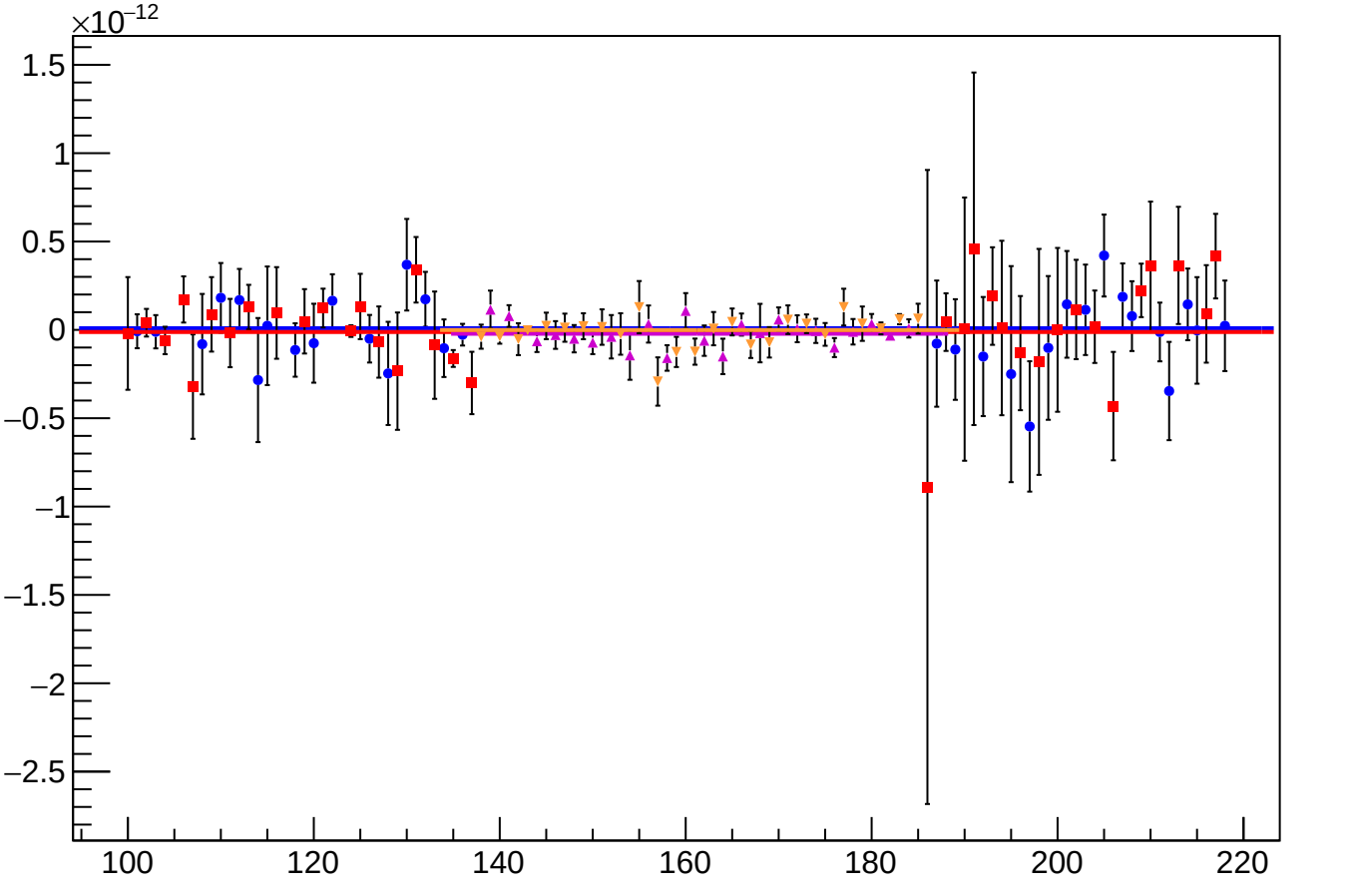
Right Out: 113.194+/-0.020 χ^2/NDF: 4640683.6/35

Left In: 303.281+/-0.055 χ^2/NDF:4813426.5/22

+ sign 140.382+/-0.019 χ^2/NDF: 19823451.4/56

All: 137.496+/-0.013 χ^2/NDF: 40046185.8/11

- sign 134.726+/-0.018 χ^2/NDF: 20176453.3/58



Right In: 0.000+/-0.000 χ^2/NDF: 18.8/31

Left Out: -0.000+/-0.000 χ^2/NDF:22.0/24

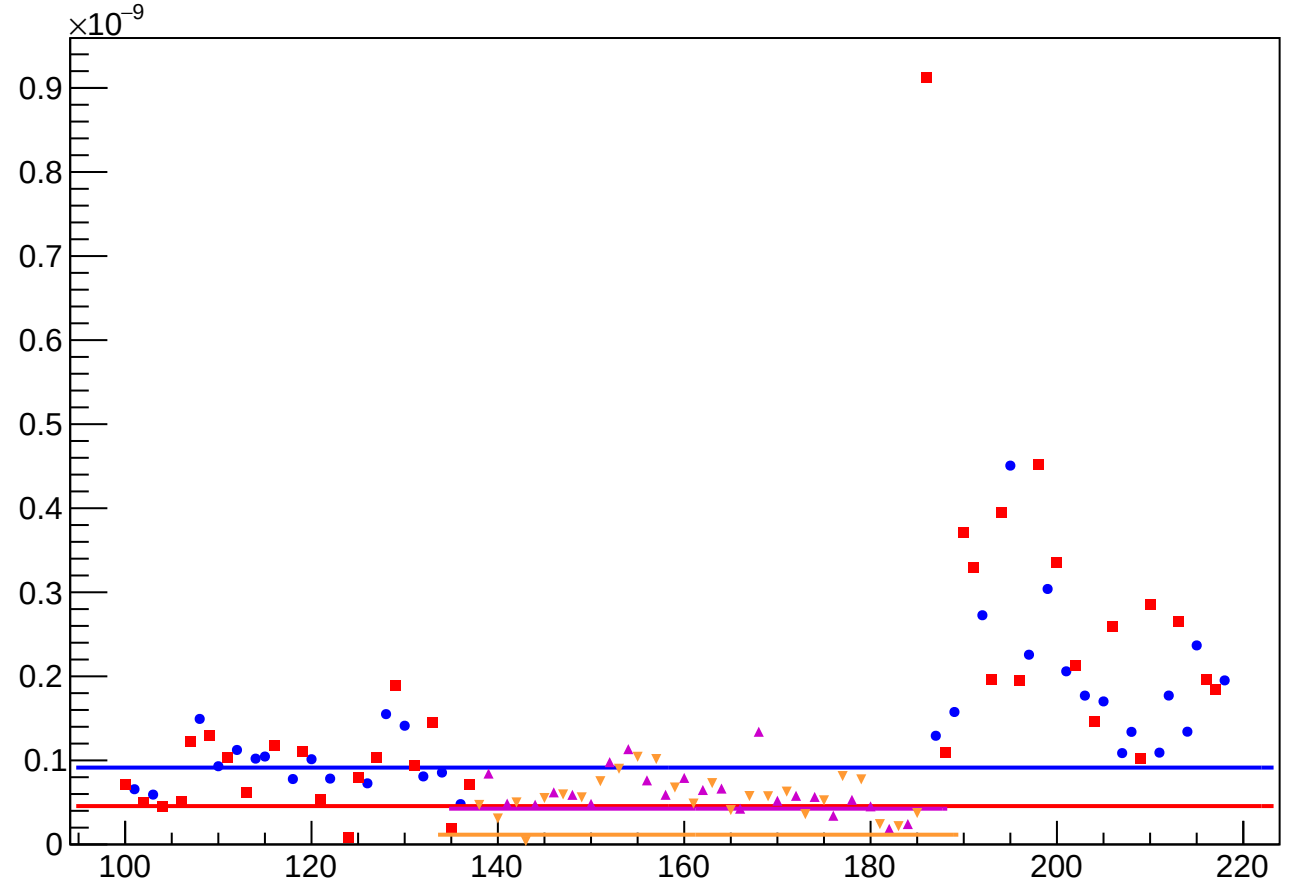
Right Out: -0.000+/-0.000 χ^2/NDF: 36.1/35

Left In: -0.000+/-0.000 χ^2/NDF:19.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 40.9/56

All: -0.000+/-0.000 χ^2/NDF: 98.9/115

- sign -0.000+/-0.000 χ^2/NDF: 55.8/58



Right In: 0.000+/-0.000 χ^2/NDF: 5906096.4/31

Left Out: 0.000+/-0.000 χ^2/NDF:17863822.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 15584765.6/35

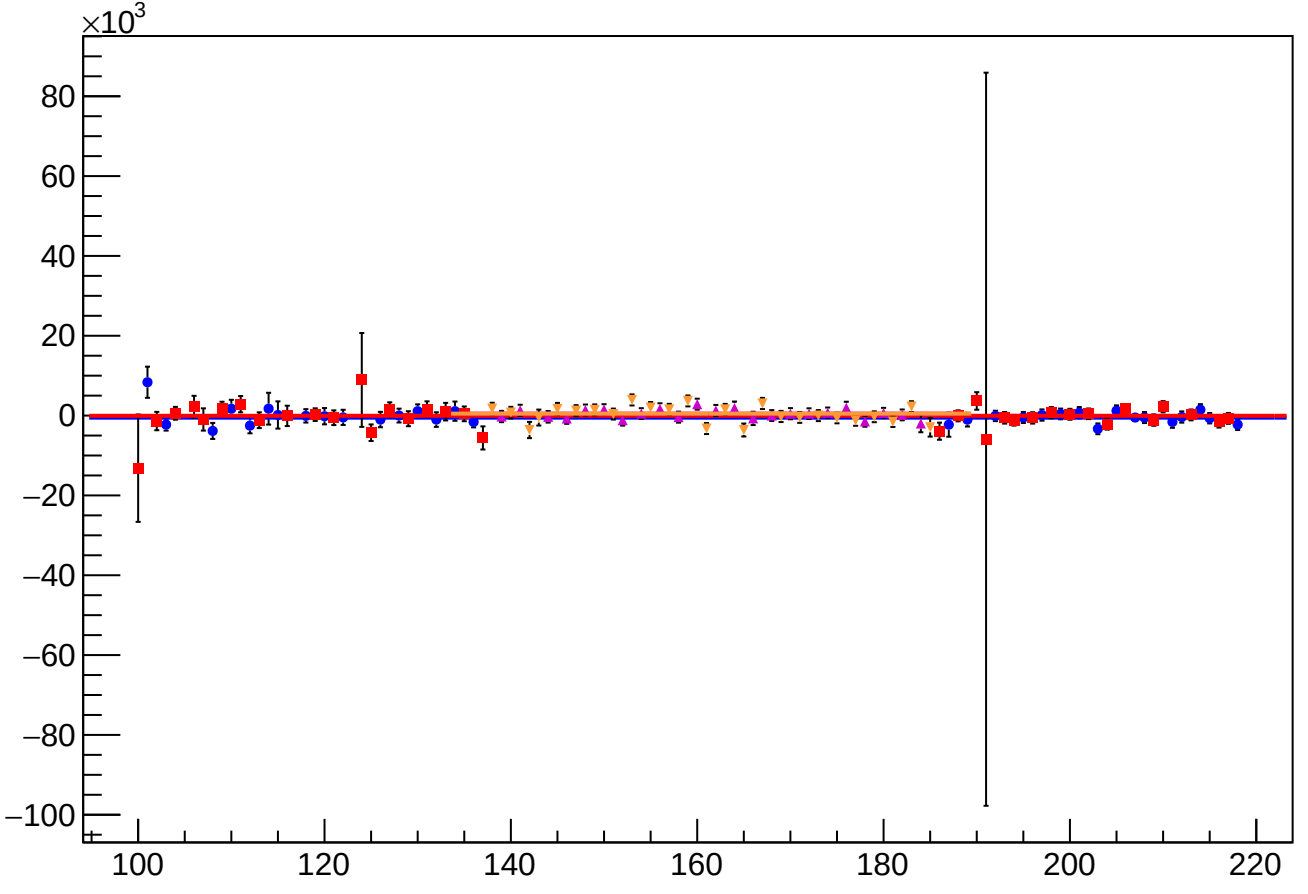
Left In: 0.000+/-0.000 χ^2/NDF:5419961.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 37107758.7/56

All: 0.000+/-0.000 χ^2/NDF: 68759727.0/115

- sign 0.000+/-0.000 χ^2/NDF: 21036589.9/58

reg_asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -518.956+/-286.661 χ^2/NDF: 26.2/31

Left Out: 492.062+/-288.495 χ^2/NDF:46.9/24

Right Out: -49.443+/-288.010 χ^2/NDF: 32.5/35

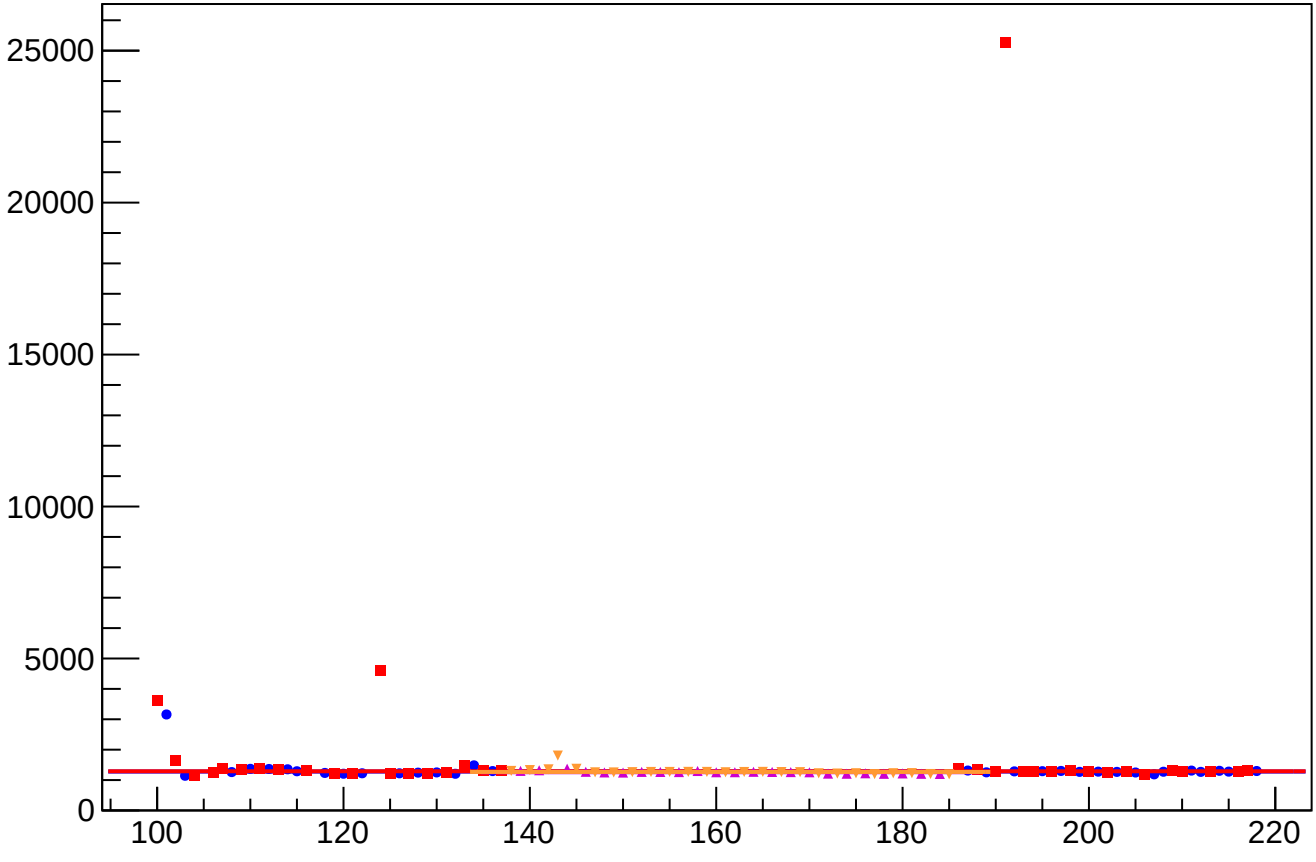
Left In: 486.821+/-293.769 χ^2/NDF:14.4/22

+ sign -16.670+/-203.345 χ^2/NDF: 79.3/56

All: 97.054+/-144.598 χ^2/NDF: 128.5/115

- sign 213.382+/-205.660 χ^2/NDF: 48.6/58

reg_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1279.520+/-0.203 χ^2/NDF: 530618.1/31

Left Out: 1266.967+/-0.204 χ^2/NDF:187545.6/24

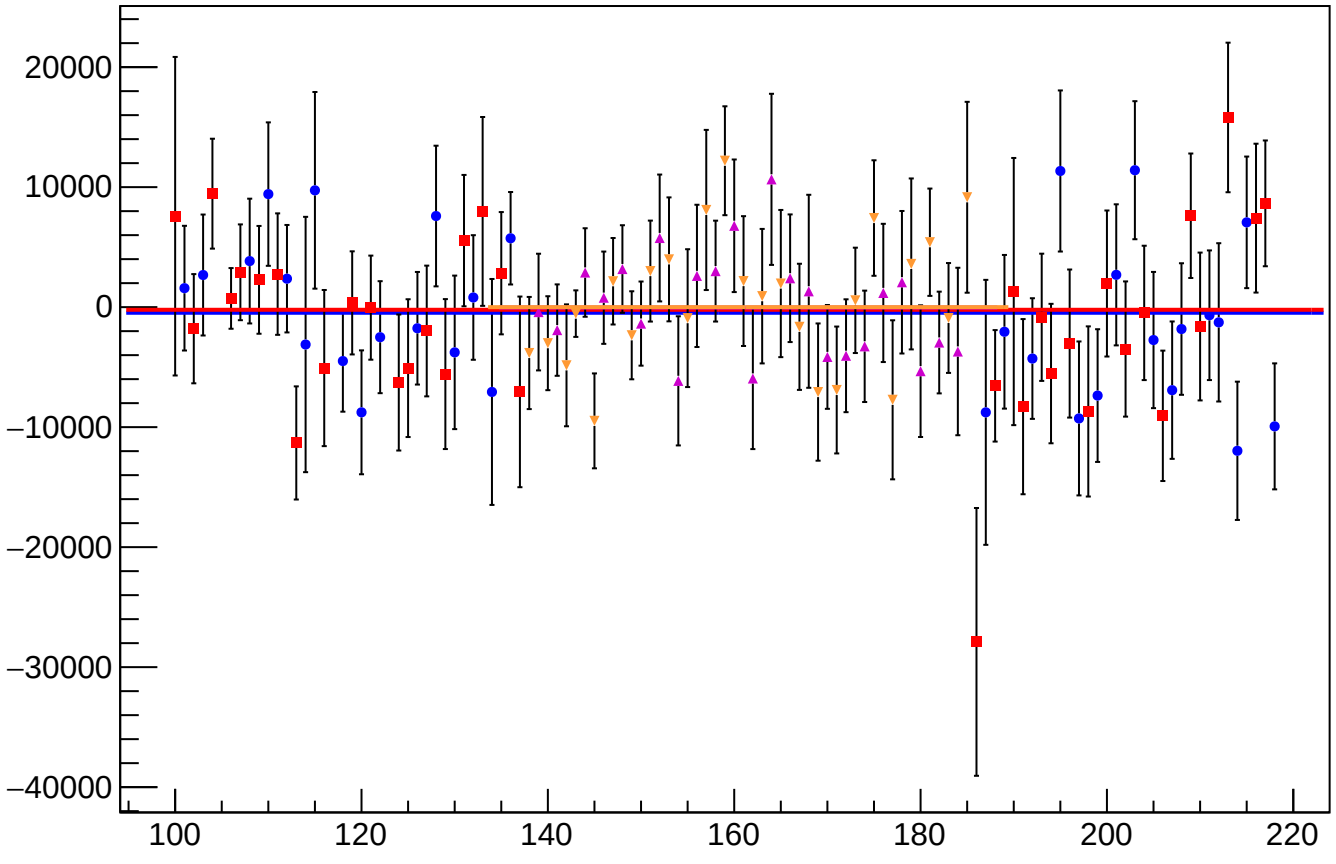
Right Out: 1289.146+/-0.203 χ^2/NDF: 483324.7/35

Left In: 1257.551+/-0.208 χ^2/NDF:36816.4/22

+ sign 1273.284+/-0.144 χ^2/NDF: 720068.9/56

All: 1273.478+/-0.102 χ^2/NDF: 1252019.9/11

- sign 1273.676+/-0.145 χ^2/NDF: 531947.4/58



Right In: -468.160+/-984.534 χ^2/NDF: 38.0/31

Left Out: -0.604+/-886.488 χ^2/NDF:29.1/24

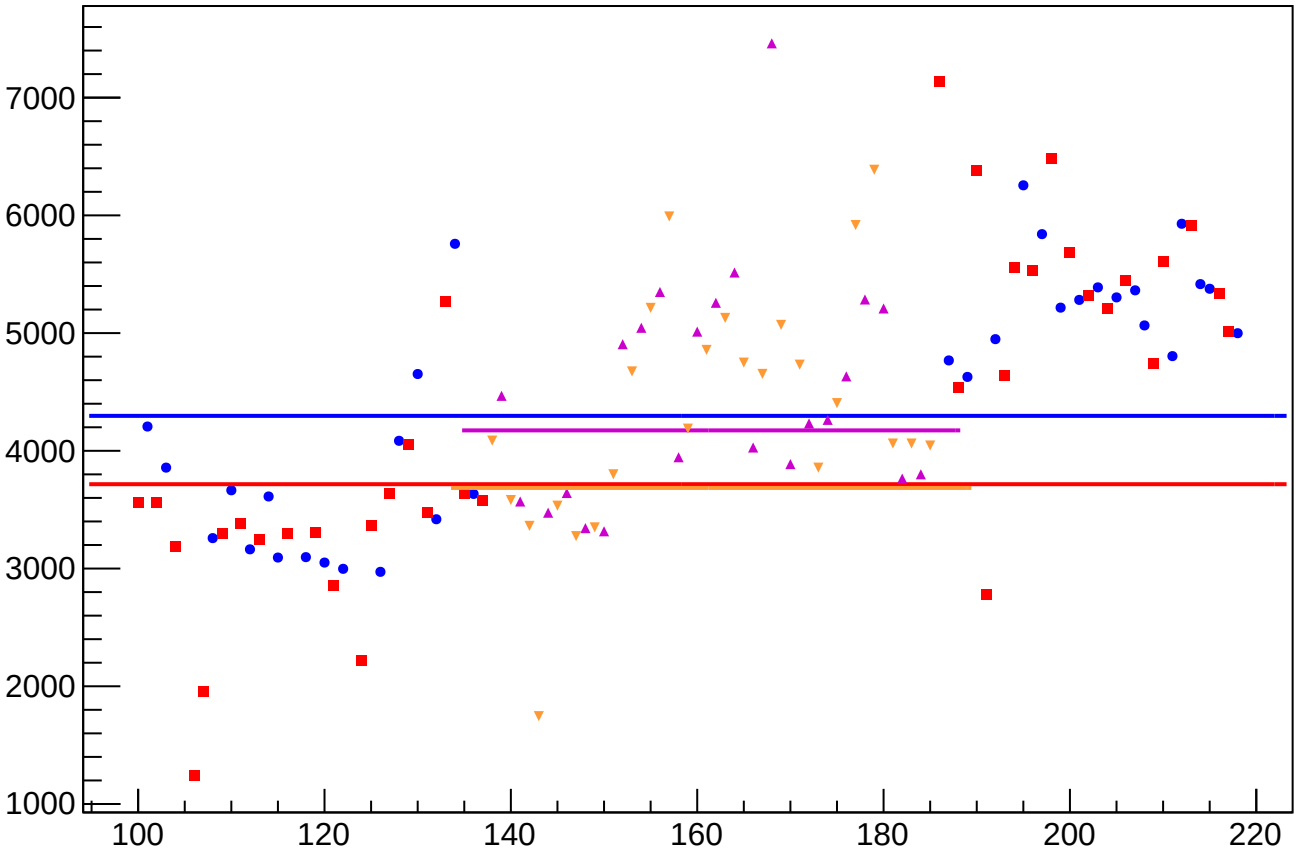
Right Out: -219.445+/-884.354 χ^2/NDF: 46.6/35

Left In: -31.593+/-995.348 χ^2/NDF:14.0/22

+ sign -209.948+/-658.786 χ^2/NDF: 67.2/56

All: -173.390+/-466.650 χ^2/NDF: 127.9/115

- sign -136.573+/-661.106 χ^2/NDF: 60.7/58



Right In: 4297.027+/-0.696 χ^2/NDF: 2076361.0/31

Left Out: 3684.769+/-0.627 χ^2/NDF:3693646.6/24

Right Out: 3716.449+/-0.625 χ^2/NDF: 5350706.1/35

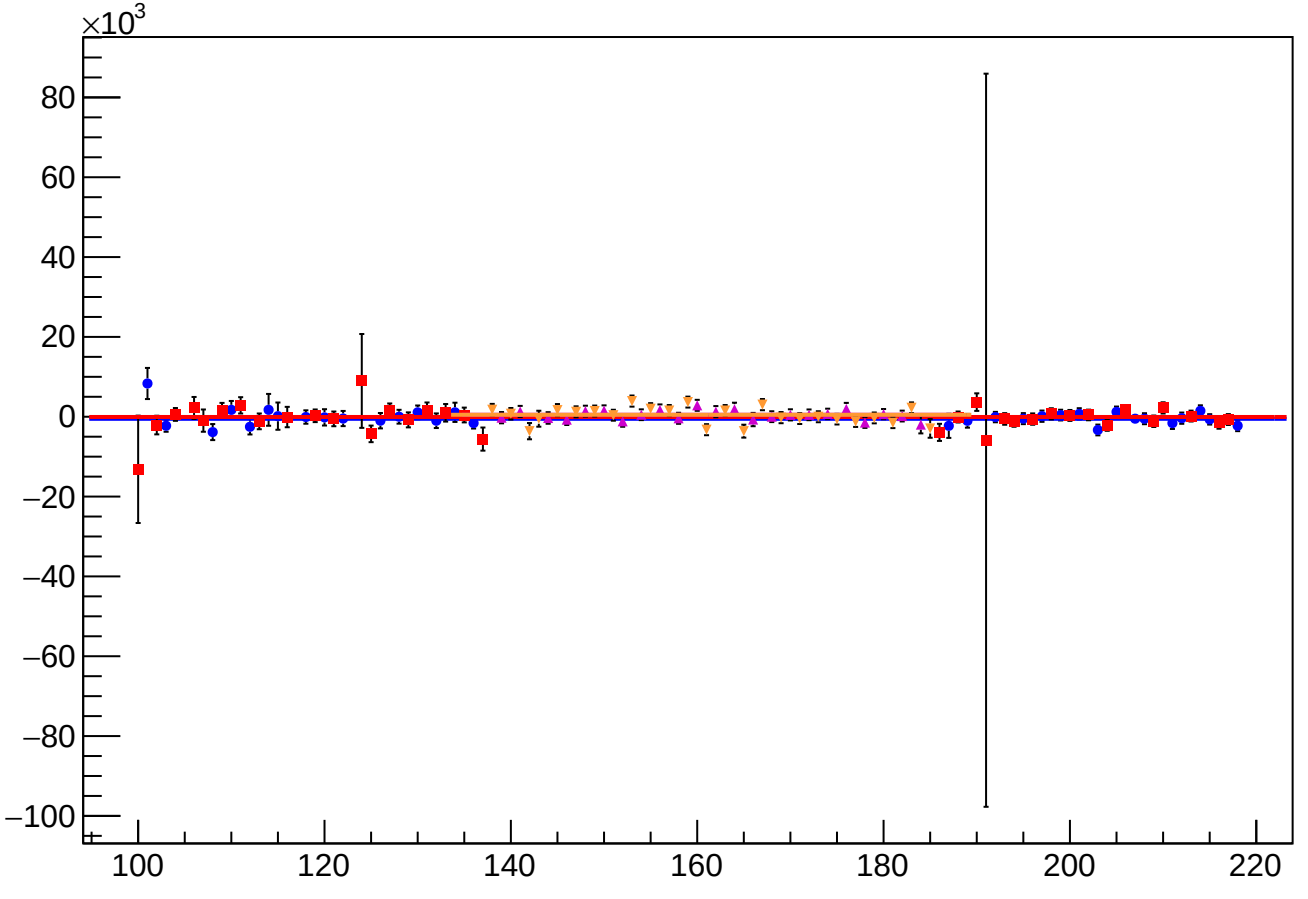
Left In: 4173.556+/-0.704 χ^2/NDF:1274968.4/22

\+ sign 3958.902+/-0.466 χ^2/NDF: 6197158.3/56

All: 3938.575+/-0.330 χ^2/NDF: 13062379.5/1

\- sign 3918.105+/-0.467 χ^2/NDF: 6861399.6/58

cor_asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -519.082+/-286.661 χ^2/NDF: 26.2/31

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: -59.595+/-288.077 χ^2/NDF: 32.9/35

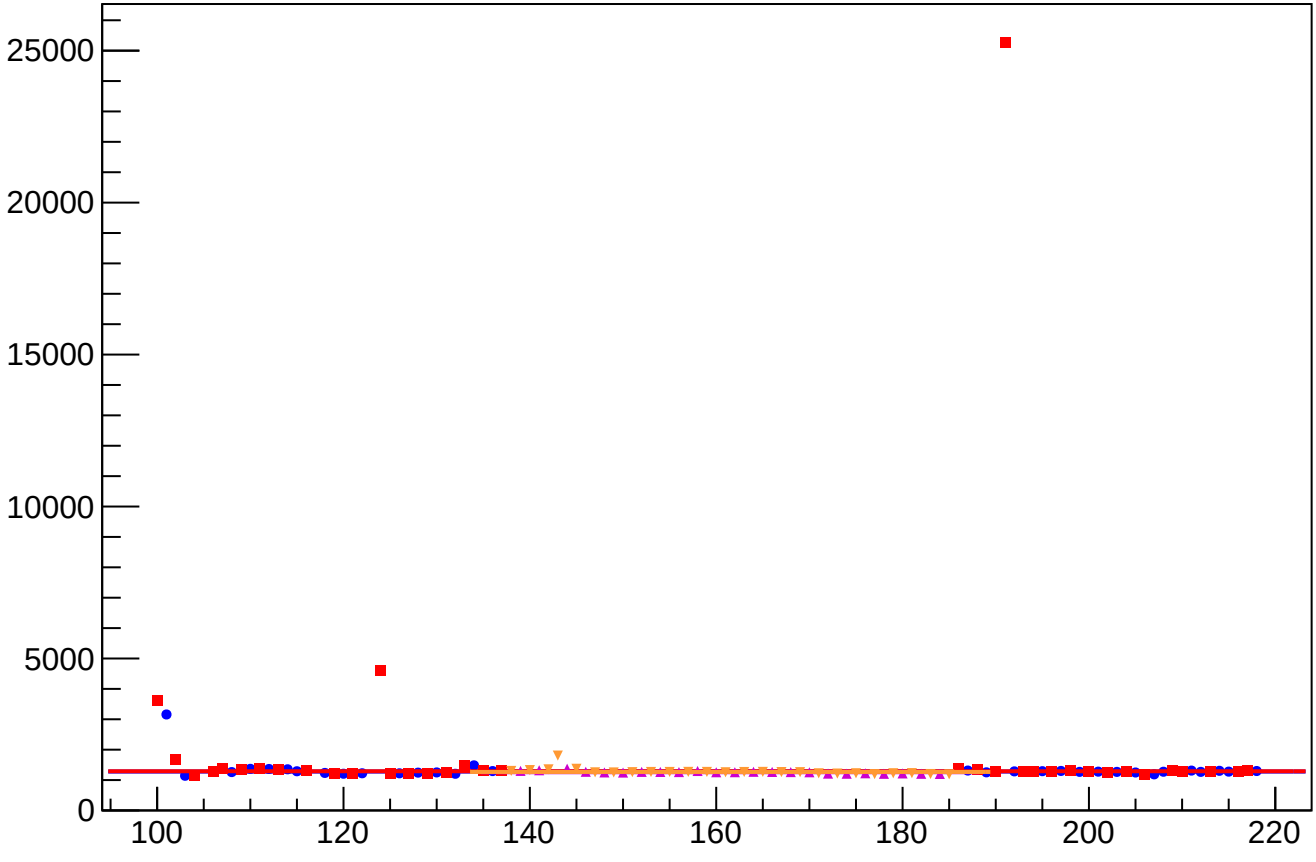
Left In: 486.720+/-293.769 χ^2/NDF:14.4/22

+ sign -16.725+/-203.345 χ^2/NDF: 79.2/56

All: 94.461+/-144.607 χ^2/NDF: 128.9/115

- sign 208.219+/-205.684 χ^2/NDF: 49.1/58

cor_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1279.520+/-0.203 χ^2/NDF: 530619.5/31

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

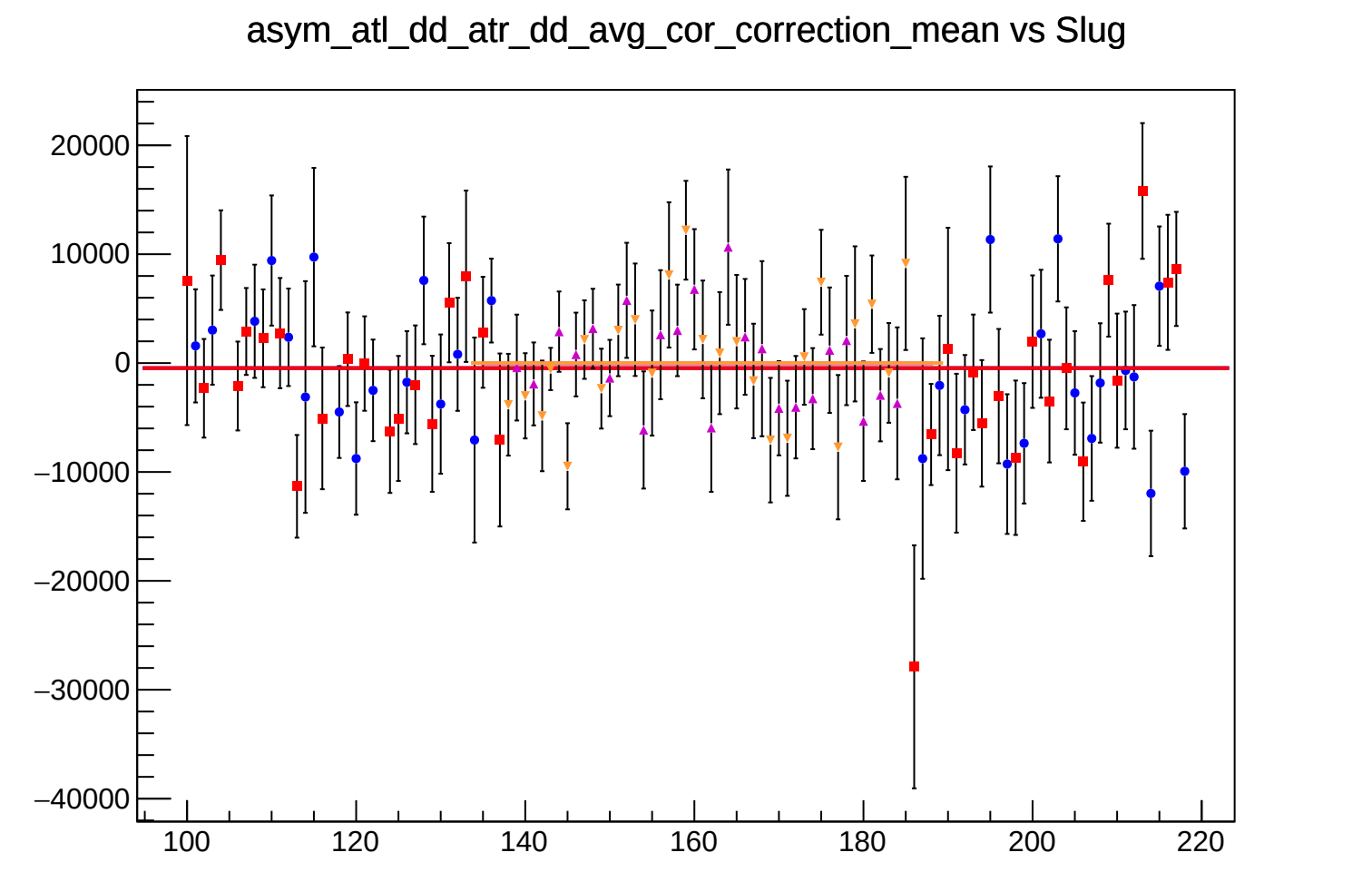
Right Out: 1289.845+/-0.204 χ^2/NDF: 490203.2/35

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

+ sign 1273.284+/-0.144 χ^2/NDF: 720070.2/56

All: 1273.650+/-0.102 χ^2/NDF: 1259431.3/11

- sign 1274.024+/-0.145 χ^2/NDF: 539347.9/58



Right In: -453.478+/-984.347 χ^2/NDF: 38.1/31

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

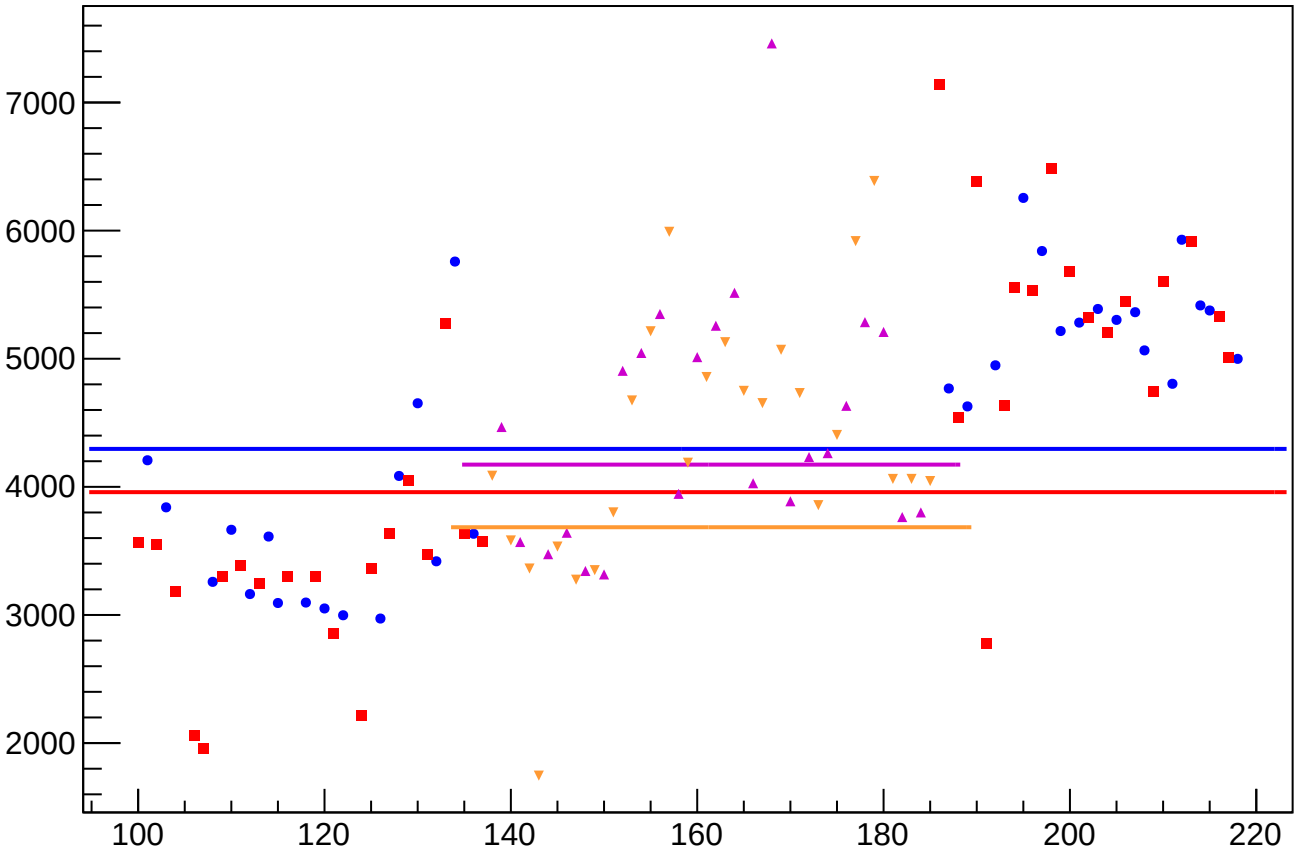
Right Out: -461.451+/-919.430 χ^2/NDF: 46.7/35

Left In: -31.597+/-995.347 χ^2/NDF:14.0/22

+ sign -203.382+/-658.729 χ^2/NDF: 67.2/56

All: -232.710+/-471.569 χ^2/NDF: 128.1/115

- sign -263.540+/-675.381 χ^2/NDF: 60.9/58



Right In: 4296.223+/-0.696 χ^2/NDF: 2077743.5/31

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

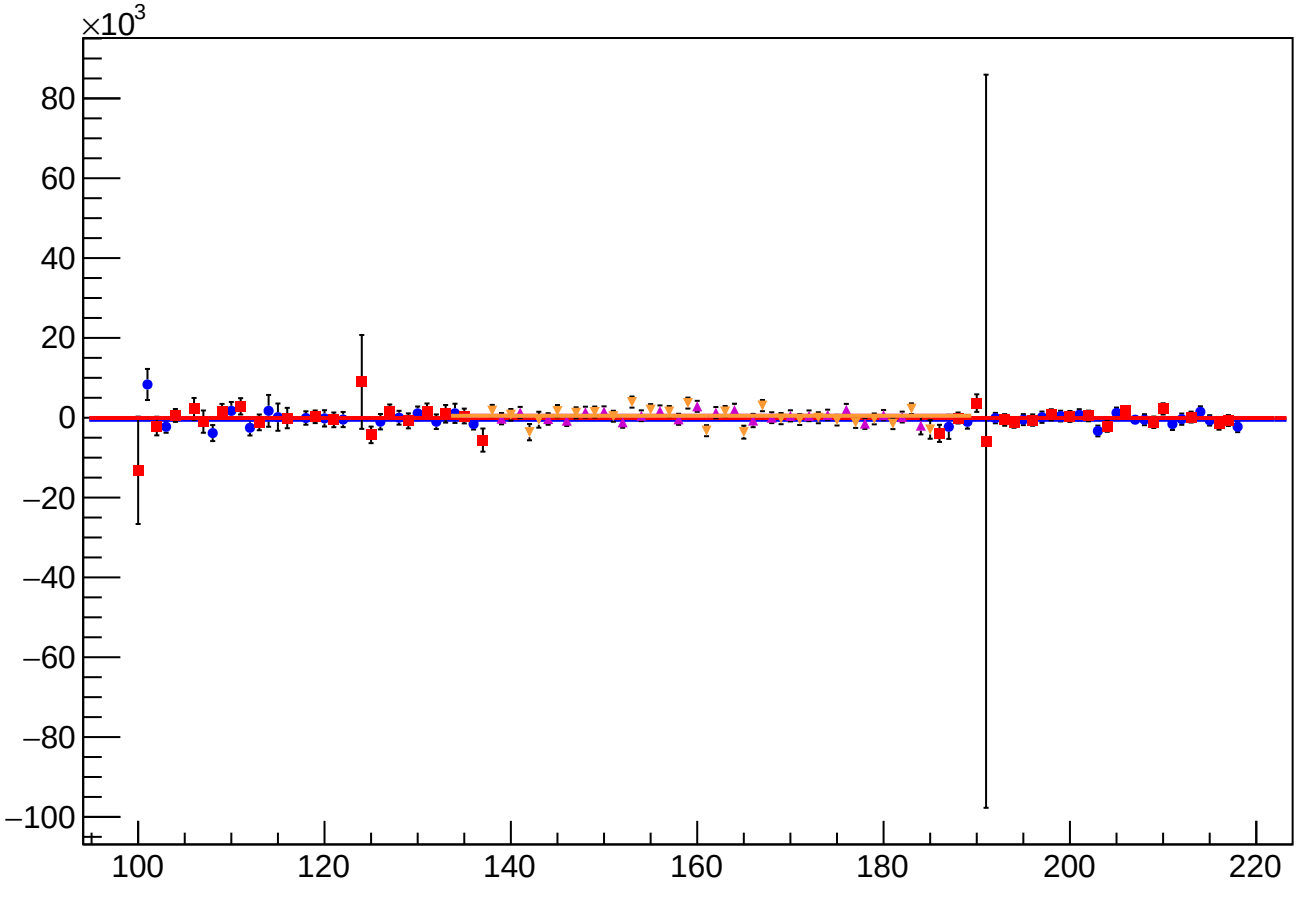
Right Out: 3958.638+/-0.650 χ^2/NDF: 3627021.3/35

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

\+ sign 3958.595+/-0.466 χ^2/NDF: 6197559.1/56

All: 4006.855+/-0.333 χ^2/NDF: 11171878.2/1

\- sign 4057.586+/-0.478 χ^2/NDF: 4952299.9/58



Right In: -519.082+/-286.661 χ^2/NDF: 26.2/31

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: -59.595+/-288.077 χ^2/NDF: 32.9/35

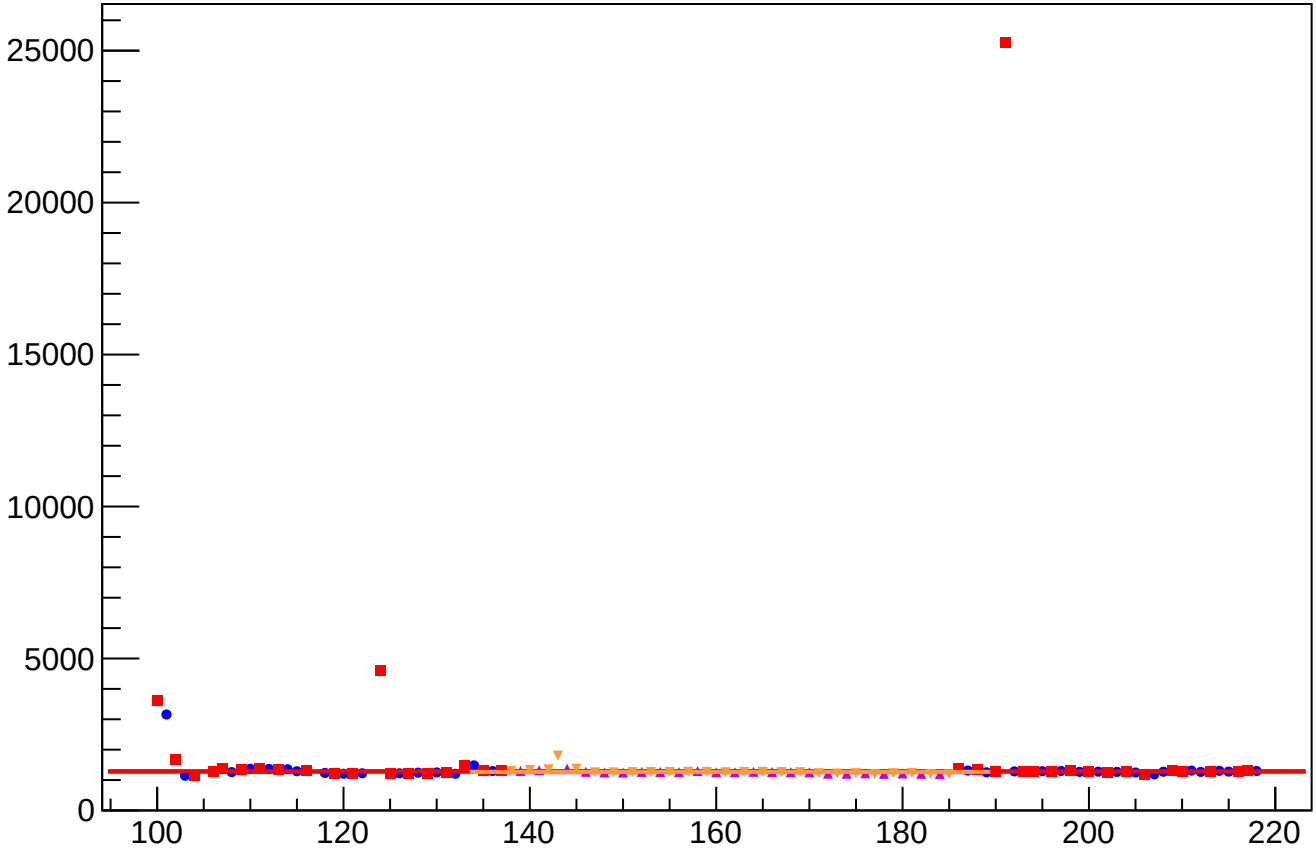
Left In: 486.720+/-293.769 χ^2/NDF:14.4/22

+ sign -16.725+/-203.345 χ^2/NDF: 79.2/56

All: 94.461+/-144.607 χ^2/NDF: 128.9/115

- sign 208.219+/-205.684 χ^2/NDF: 49.1/58

eigen_cor_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1279.520+/-0.203 χ^2/NDF: 530619.5/31

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

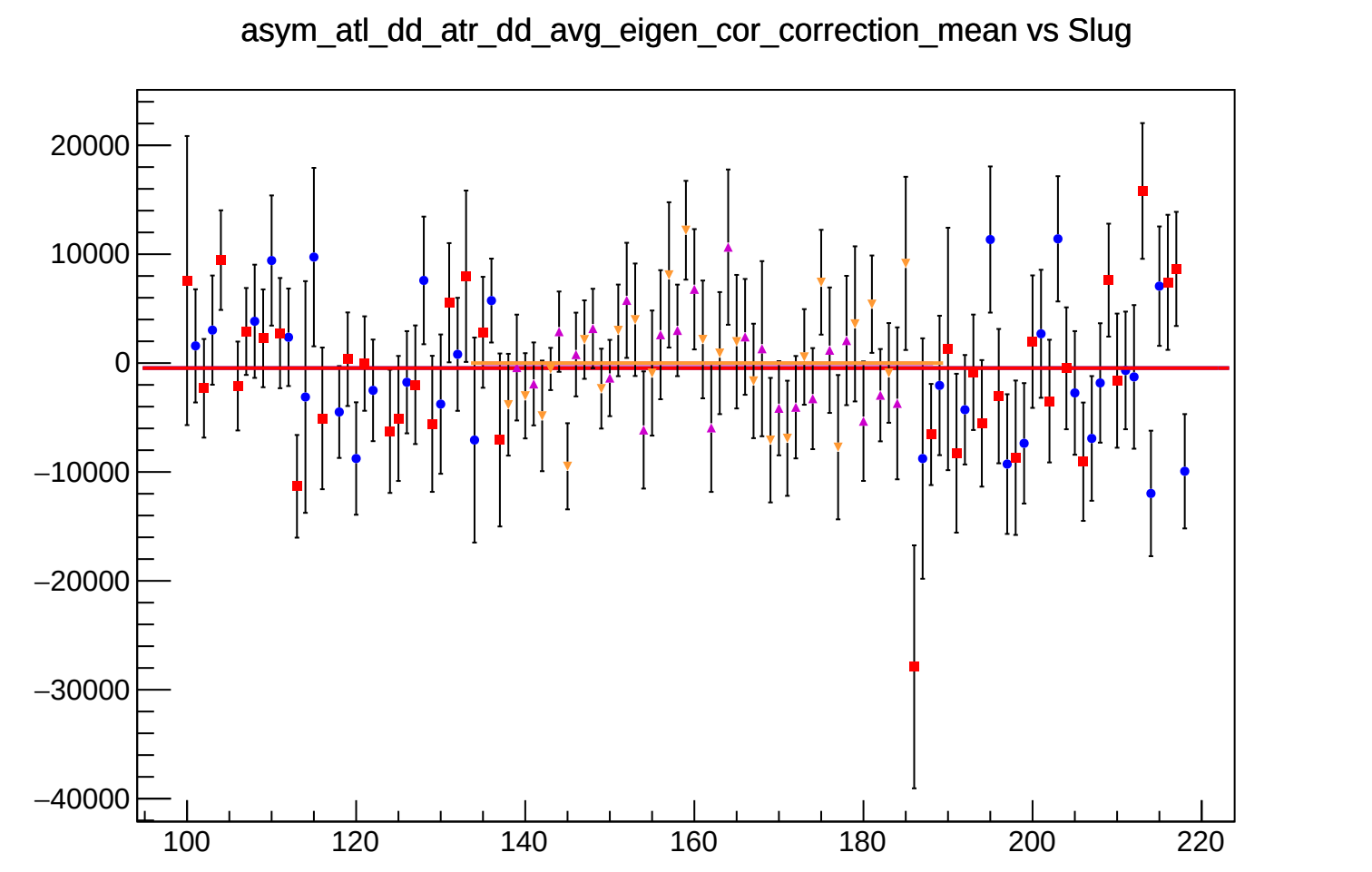
Right Out: 1289.845+/-0.204 χ^2/NDF: 490203.2/35

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

+ sign 1273.284+/-0.144 χ^2/NDF: 720070.2/56

All: 1273.650+/-0.102 χ^2/NDF: 1259431.3/11

- sign 1274.024+/-0.145 χ^2/NDF: 539347.9/58



Right In: -453.478+/-984.347 χ^2/NDF: 38.1/31

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

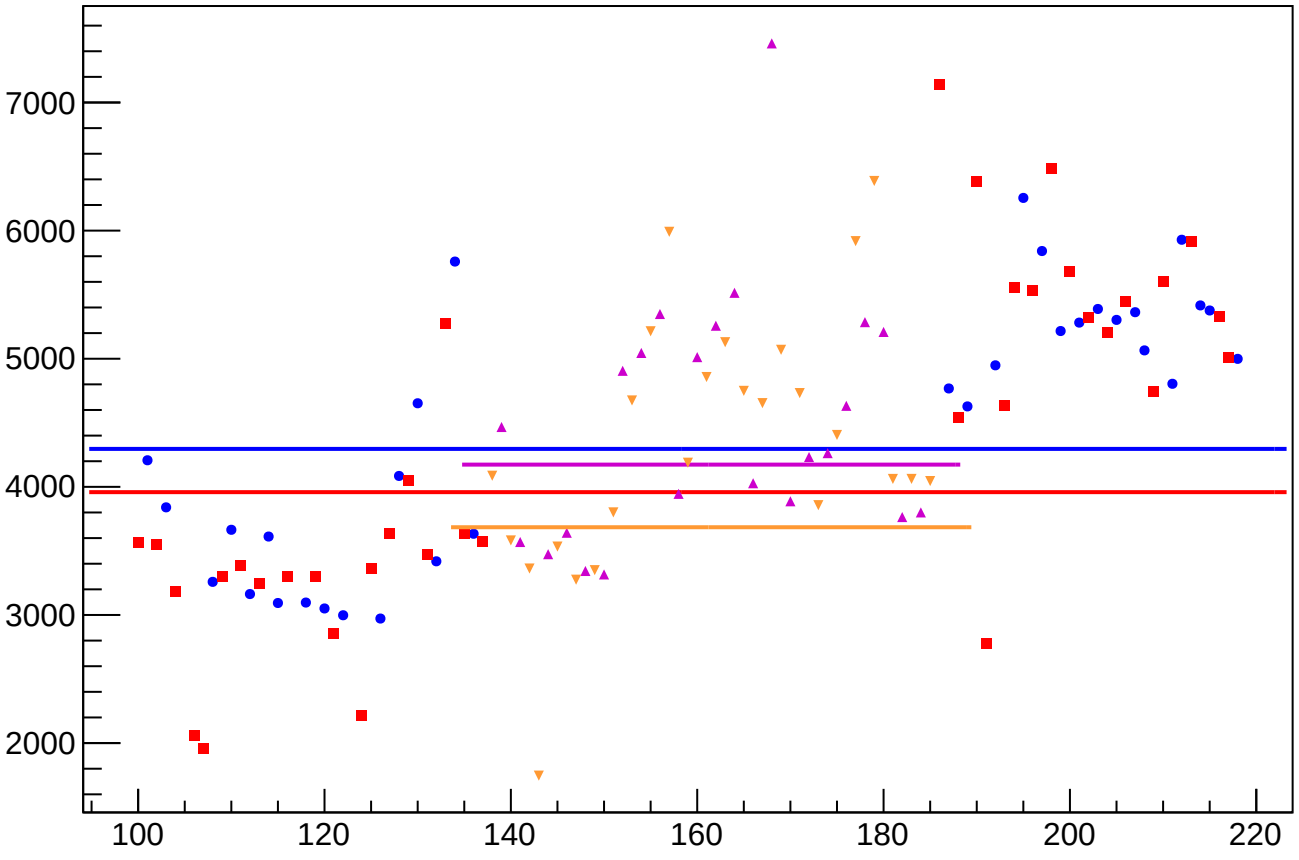
Right Out: -461.451+/-919.430 χ^2/NDF: 46.7/35

Left In: -31.597+/-995.347 χ^2/NDF:14.0/22

+ sign -203.382+/-658.729 χ^2/NDF: 67.2/56

All: -232.710+/-471.569 χ^2/NDF: 128.1/115

- sign -263.540+/-675.381 χ^2/NDF: 60.9/58



Right In: 4296.223+/-0.696 χ^2/NDF: 2077743.5/31

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

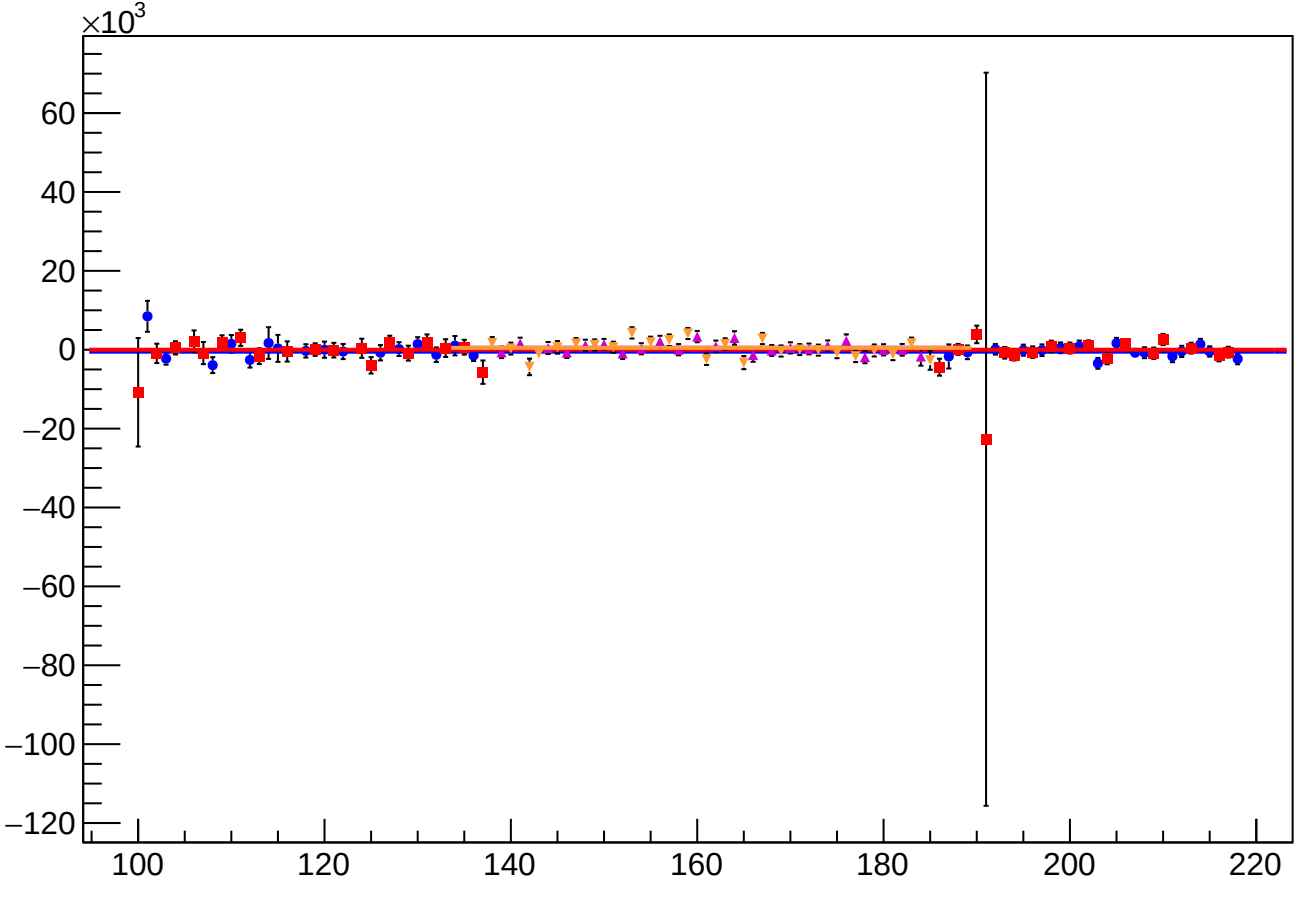
Right Out: 3958.638+/-0.650 χ^2/NDF: 3627021.3/35

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

+ sign 3958.595+/-0.466 χ^2/NDF: 6197559.1/56

All: 4006.855+/-0.333 χ^2/NDF: 11171878.2/1

- sign 4057.586+/-0.478 χ^2/NDF: 4952299.9/58



Right In: -490.252+/-290.193 χ^2/NDF: 27.5/31

Left Out: 467.929+/-294.257 χ^2/NDF:44.1/24

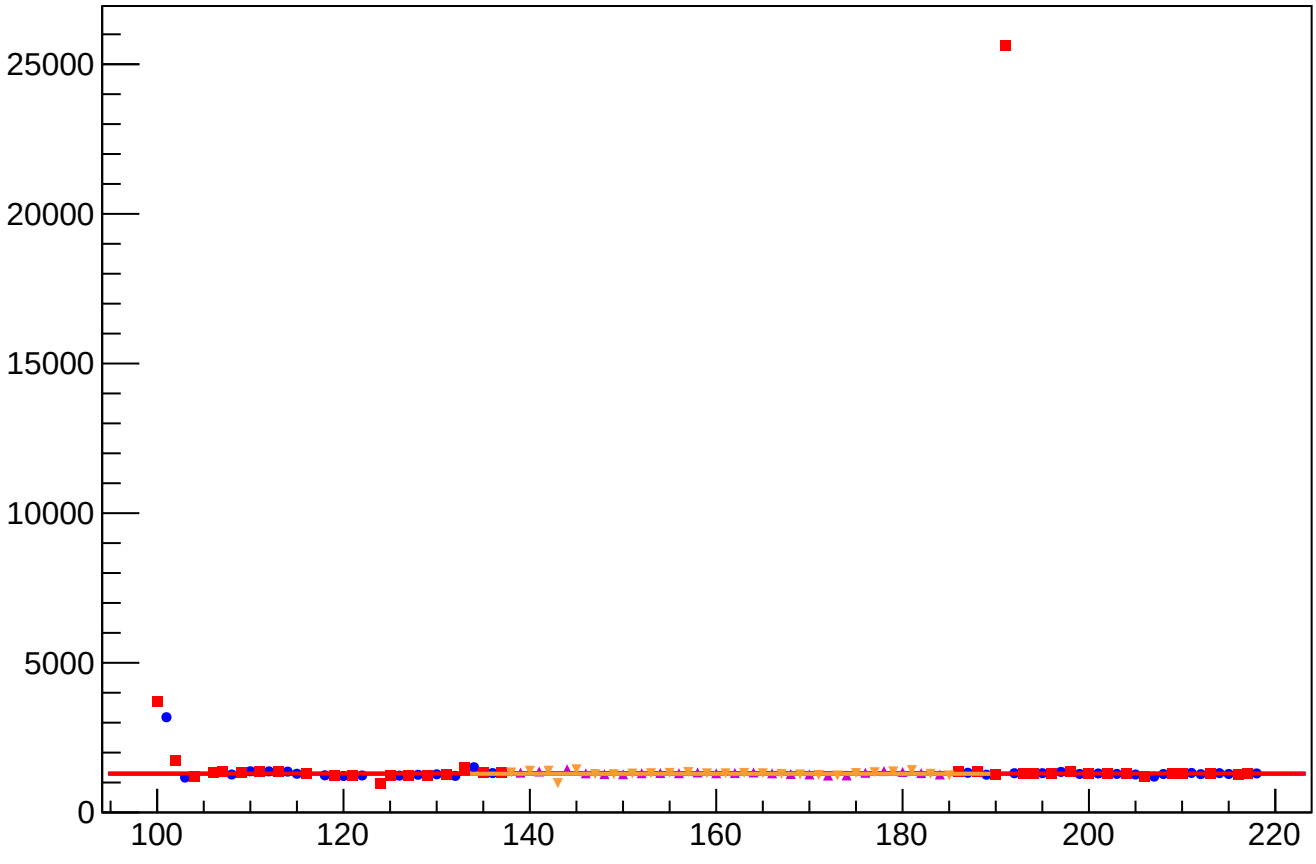
Right Out: 2.606+/-290.184 χ^2/NDF: 34.0/35

Left In: 503.558+/-307.055 χ^2/NDF:17.4/22

+ sign -17.823+/-206.619 χ^2/NDF: 77.0/56

All: 107.925+/-147.593 χ^2/NDF: 130.6/115

- sign 238.942+/-210.904 χ^2/NDF: 52.8/58



Right In: 1295.181+/-0.205 χ^2/NDF: 530283.4/31

Left Out: 1291.211+/-0.208 χ^2/NDF:230735.1/24

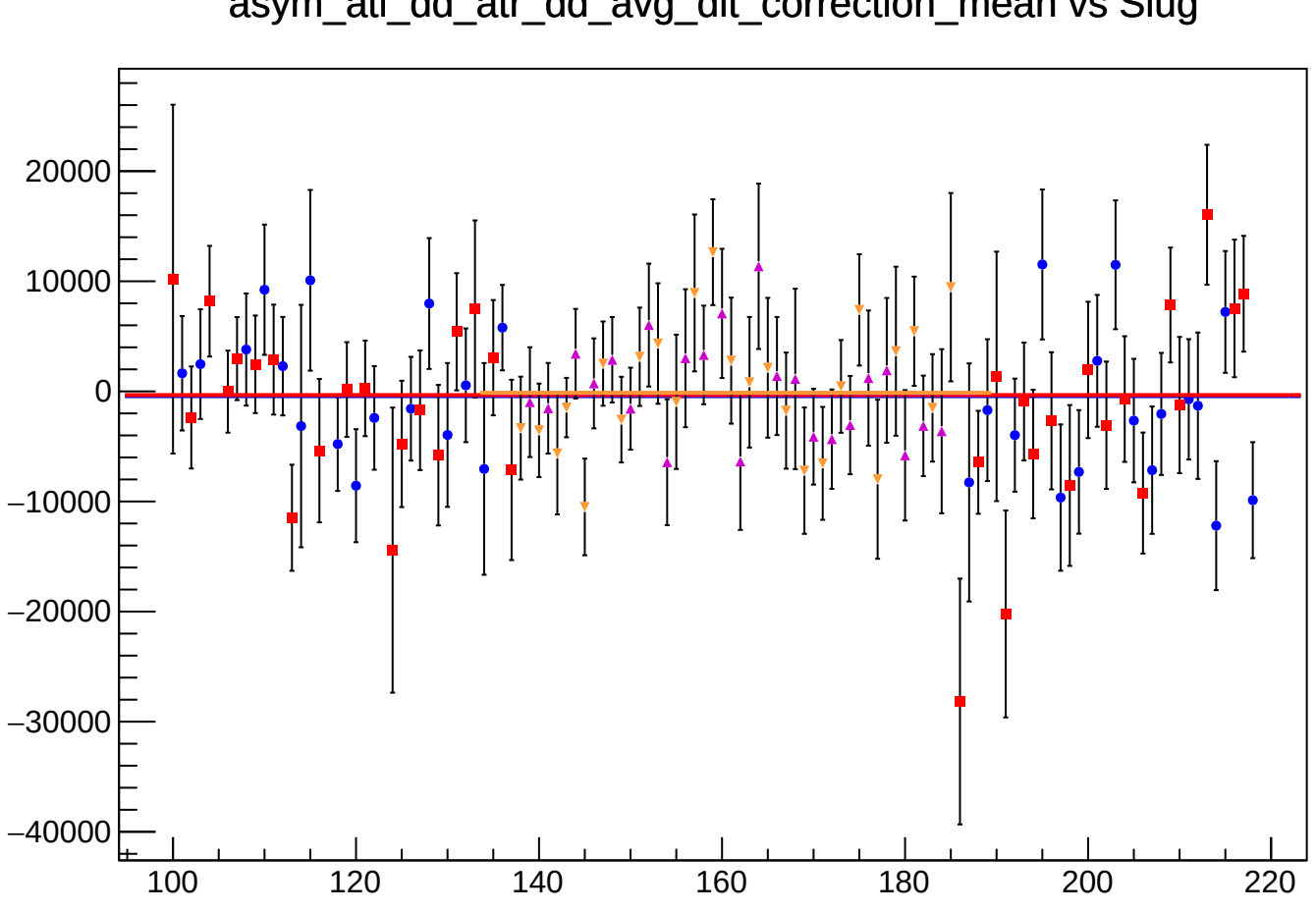
Right Out: 1300.430+/-0.205 χ^2/NDF: 378990.2/35

Left In: 1314.006+/-0.217 χ^2/NDF:43044.7/22

+ sign 1293.224+/-0.146 χ^2/NDF: 761203.2/56

All: 1299.889+/-0.104 χ^2/NDF: 1189553.7/11

- sign 1306.833+/-0.149 χ^2/NDF: 424100.6/58



Right In: -435.912+/-990.415 χ^2/NDF: 37.9/31

Left Out: -127.273+/-977.231 χ^2/NDF:28.6/24

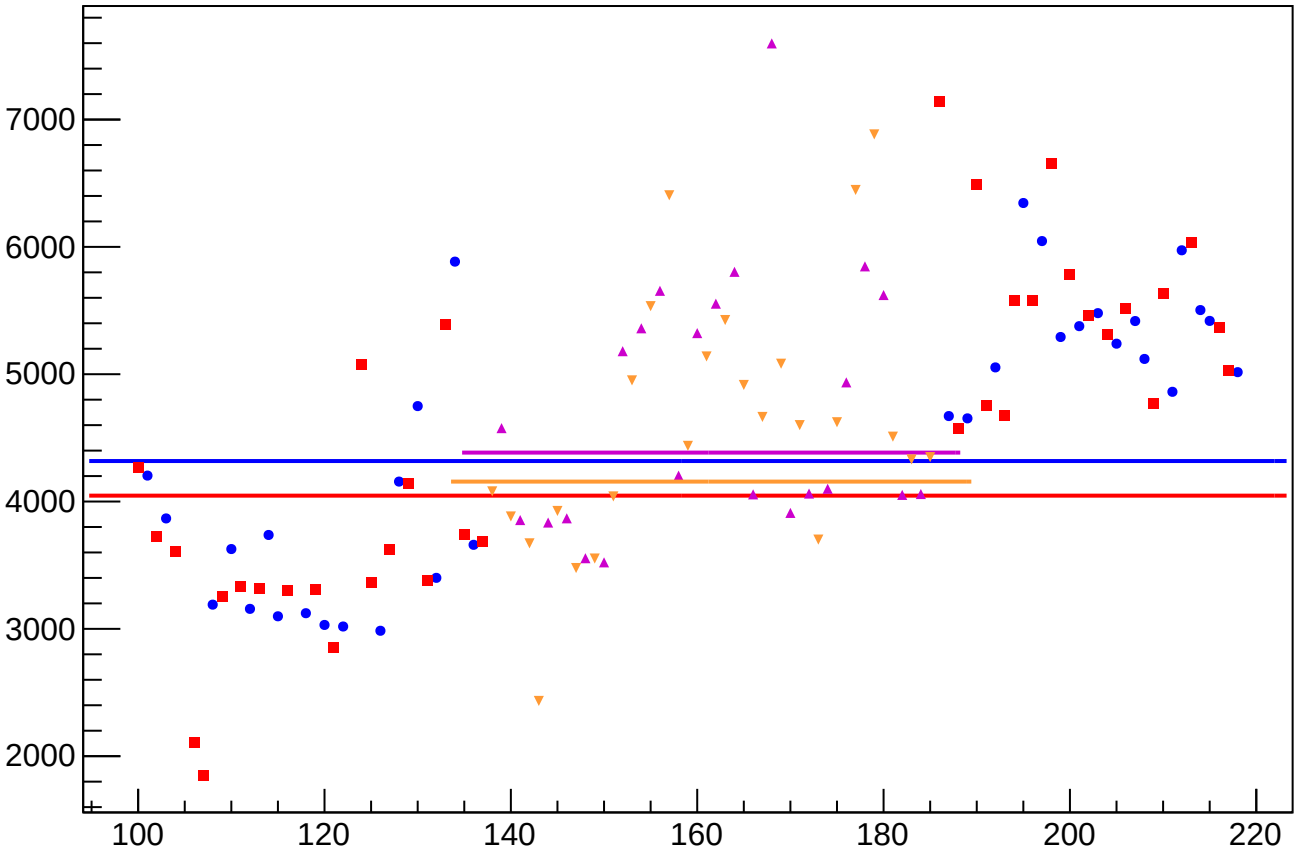
Right Out: -334.966+/-934.371 χ^2/NDF: 48.3/35

Left In: -159.452+/-1045.510 χ^2/NDF:13.8/22

+ sign -279.524+/-695.621 χ^2/NDF: 66.5/56

All: -268.295+/-492.256 χ^2/NDF: 128.6/115

- sign -257.031+/-696.691 χ^2/NDF: 62.1/58



Right In: 4318.059+/-0.700 χ^2/NDF: 2178483.2/31

Left Out: 4156.582+/-0.691 χ^2/NDF:2080766.1/24

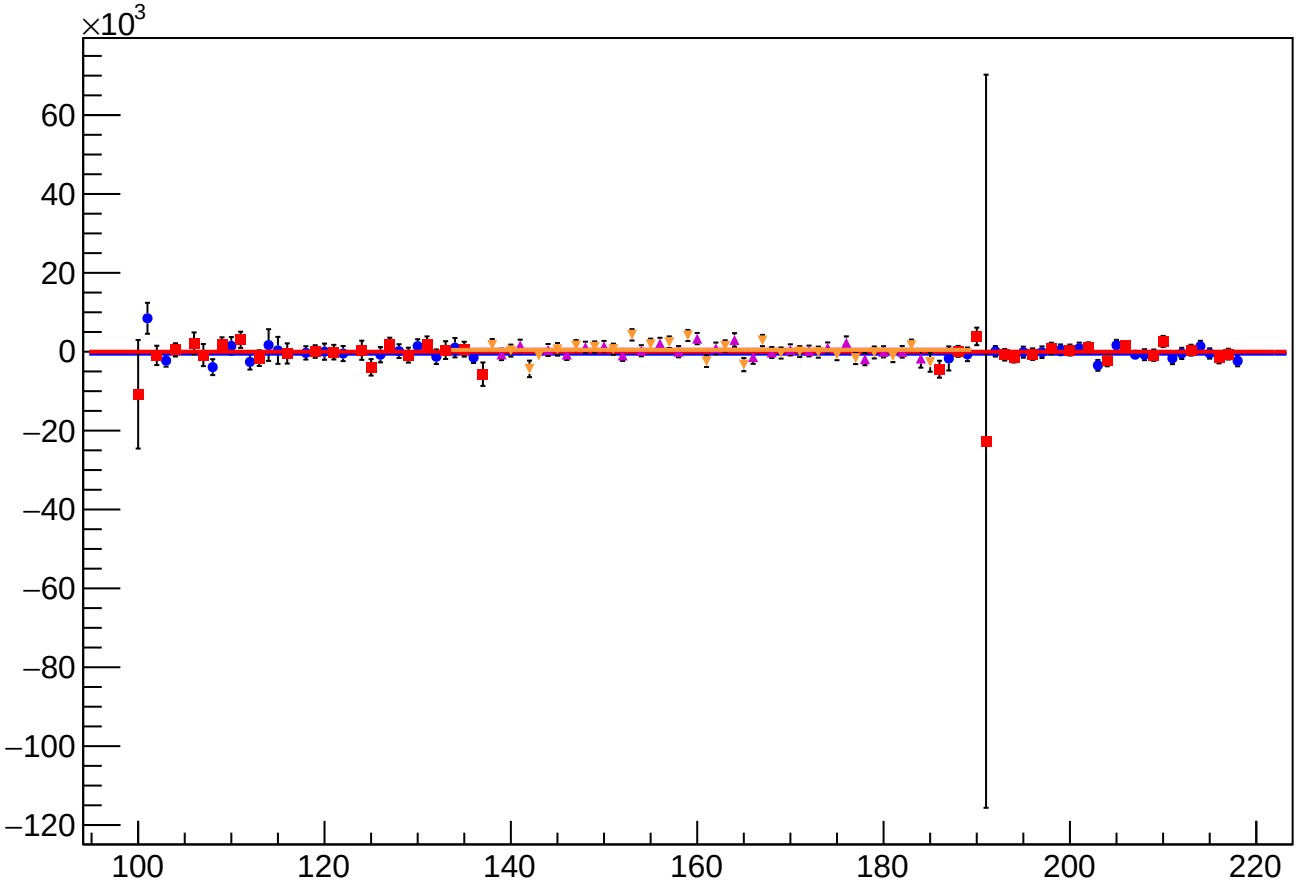
Right Out: 4046.251+/-0.661 χ^2/NDF: 3653438.5/35

Left In: 4384.323+/-0.739 χ^2/NDF:1255470.8/22

+ sign 4236.239+/-0.492 χ^2/NDF: 4286187.7/56

All: 4216.334+/-0.348 χ^2/NDF: 9314638.0/11

- sign 4196.369+/-0.493 χ^2/NDF: 5025170.3/58



Right In: -490.250+/-290.193 χ^2/NDF: 27.5/31

Left Out: 467.933+/-294.257 χ^2/NDF:44.1/24

Right Out: 2.608+/-290.184 χ^2/NDF: 34.0/35

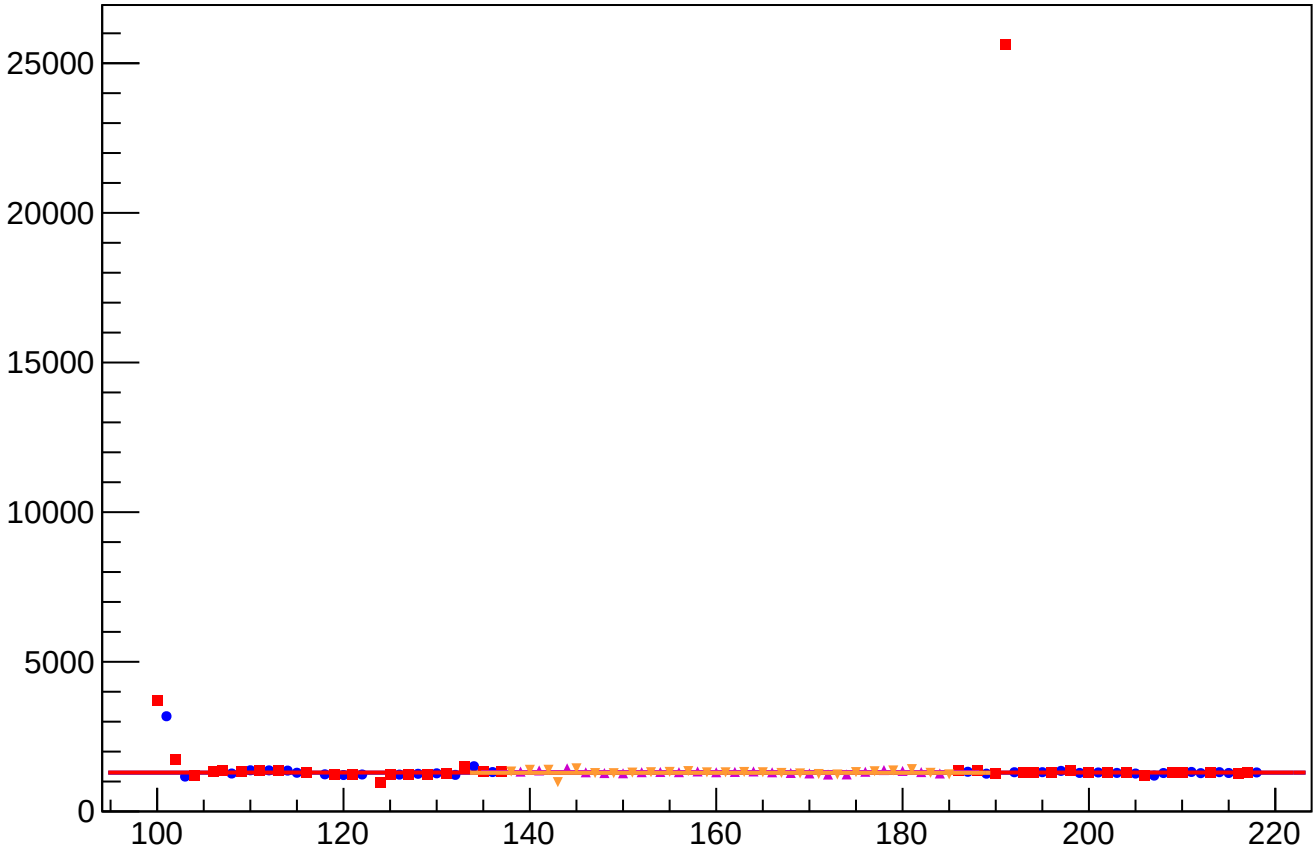
Left In: 503.558+/-307.056 χ^2/NDF:17.4/22

\+ sign -17.821+/-206.620 χ^2/NDF: 77.0/56

All: 107.927+/-147.593 χ^2/NDF: 130.6/115

\- sign 238.943+/-210.904 χ^2/NDF: 52.8/58

eigen_dit_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1295.181+/-0.205 χ^2/NDF: 530283.5/31

Left Out: 1291.212+/-0.208 χ^2/NDF:230737.6/24

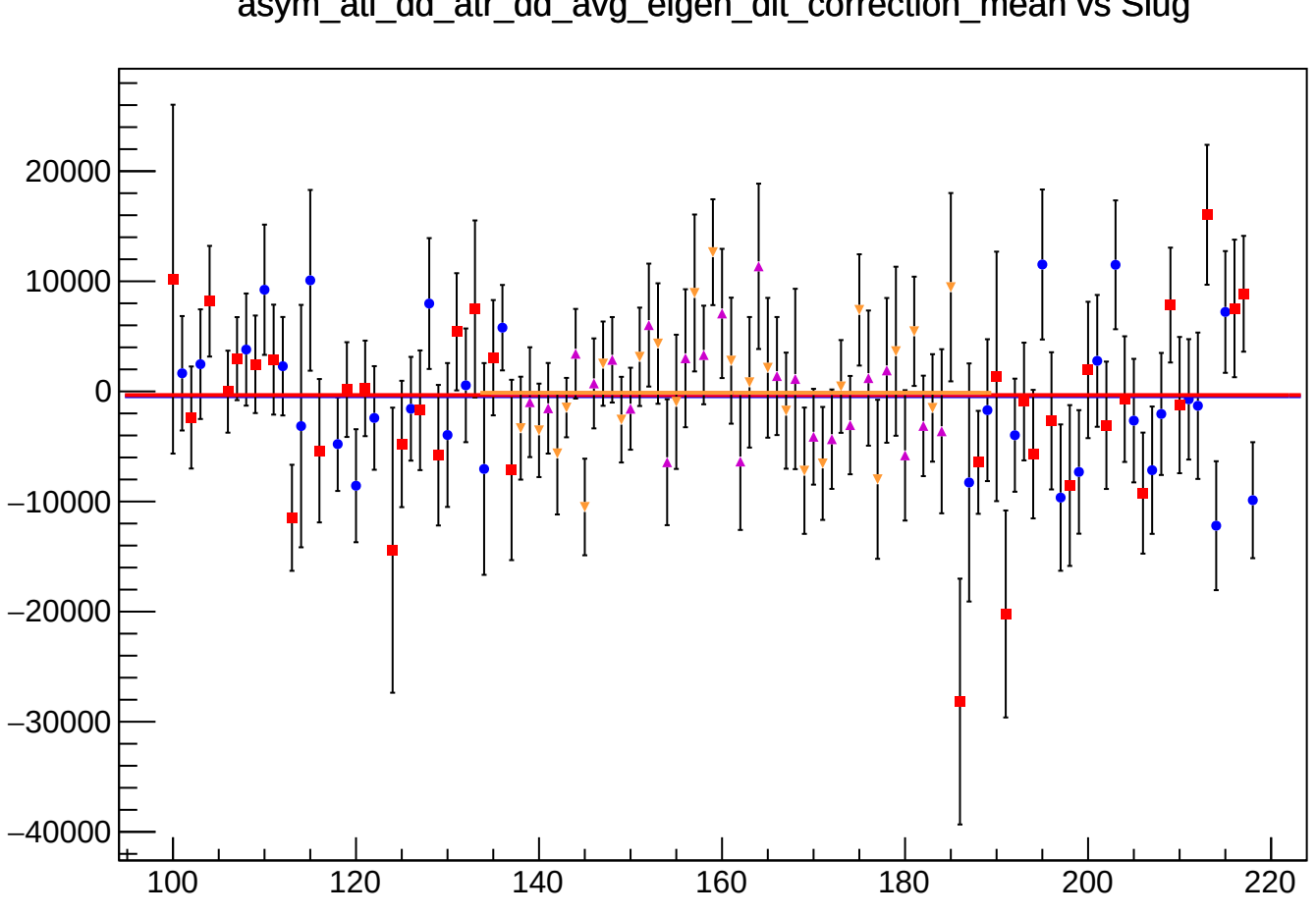
Right Out: 1300.430+/-0.205 χ^2/NDF: 378990.3/35

Left In: 1314.007+/-0.217 χ^2/NDF:43046.8/22

+ sign 1293.224+/-0.146 χ^2/NDF: 761205.6/56

All: 1299.890+/-0.104 χ^2/NDF: 1189558.8/11

- sign 1306.833+/-0.149 χ^2/NDF: 424103.2/58



Right In: -435.914+/-990.415 χ^2/NDF: 37.9/31

Left Out: -127.271+/-977.232 χ^2/NDF:28.6/24

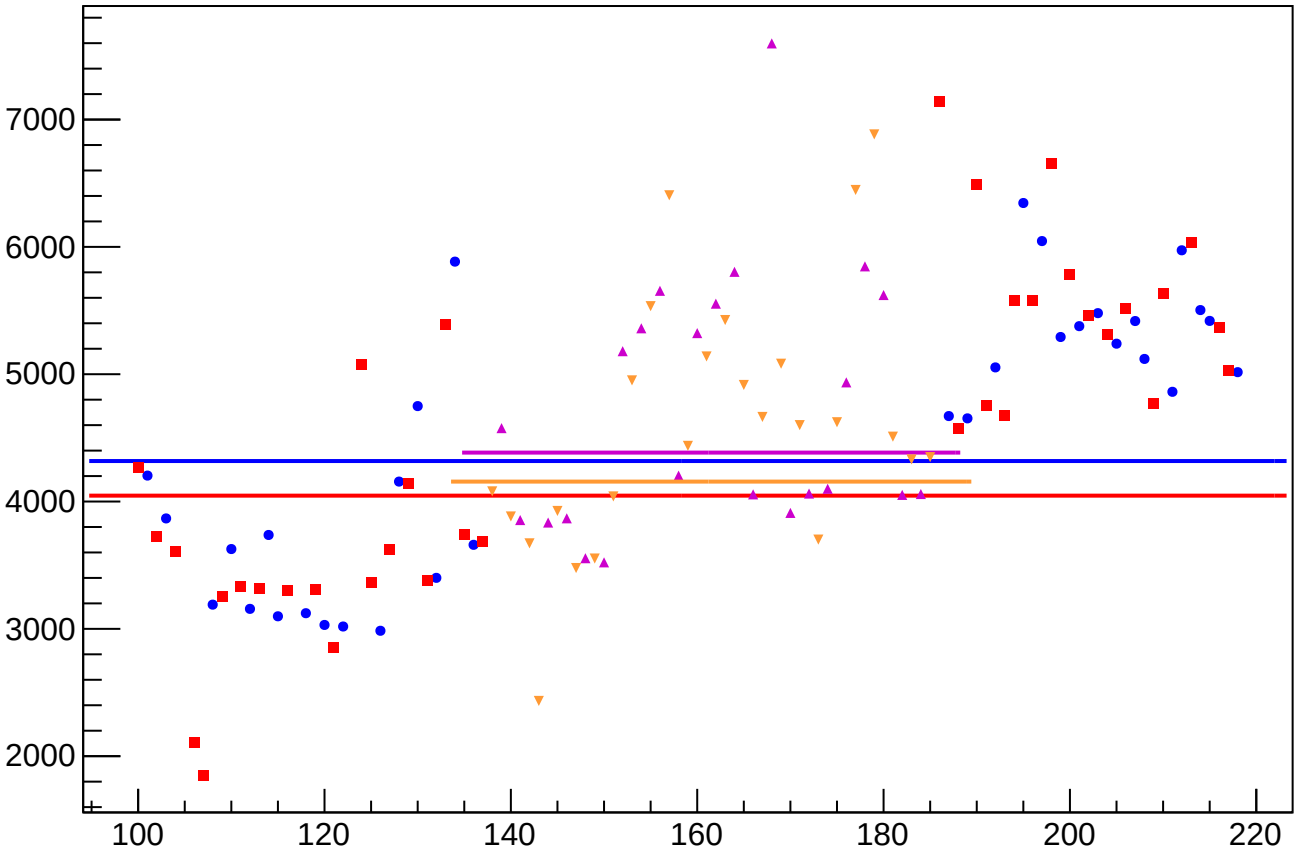
Right Out: -334.961+/-934.371 χ^2/NDF: 48.3/35

Left In: -159.454+/-1045.511 χ^2/NDF:13.8/22

+ sign -279.525+/-695.621 χ^2/NDF: 66.5/56

All: -268.294+/-492.256 χ^2/NDF: 128.6/115

- sign -257.029+/-696.691 χ^2/NDF: 62.1/58



Right In: 4318.055+/-0.700 χ^2/NDF: 2178522.1/31

Left Out: 4156.588+/-0.691 χ^2/NDF:2080769.0/24

Right Out: 4046.245+/-0.661 χ^2/NDF: 3653475.0/35

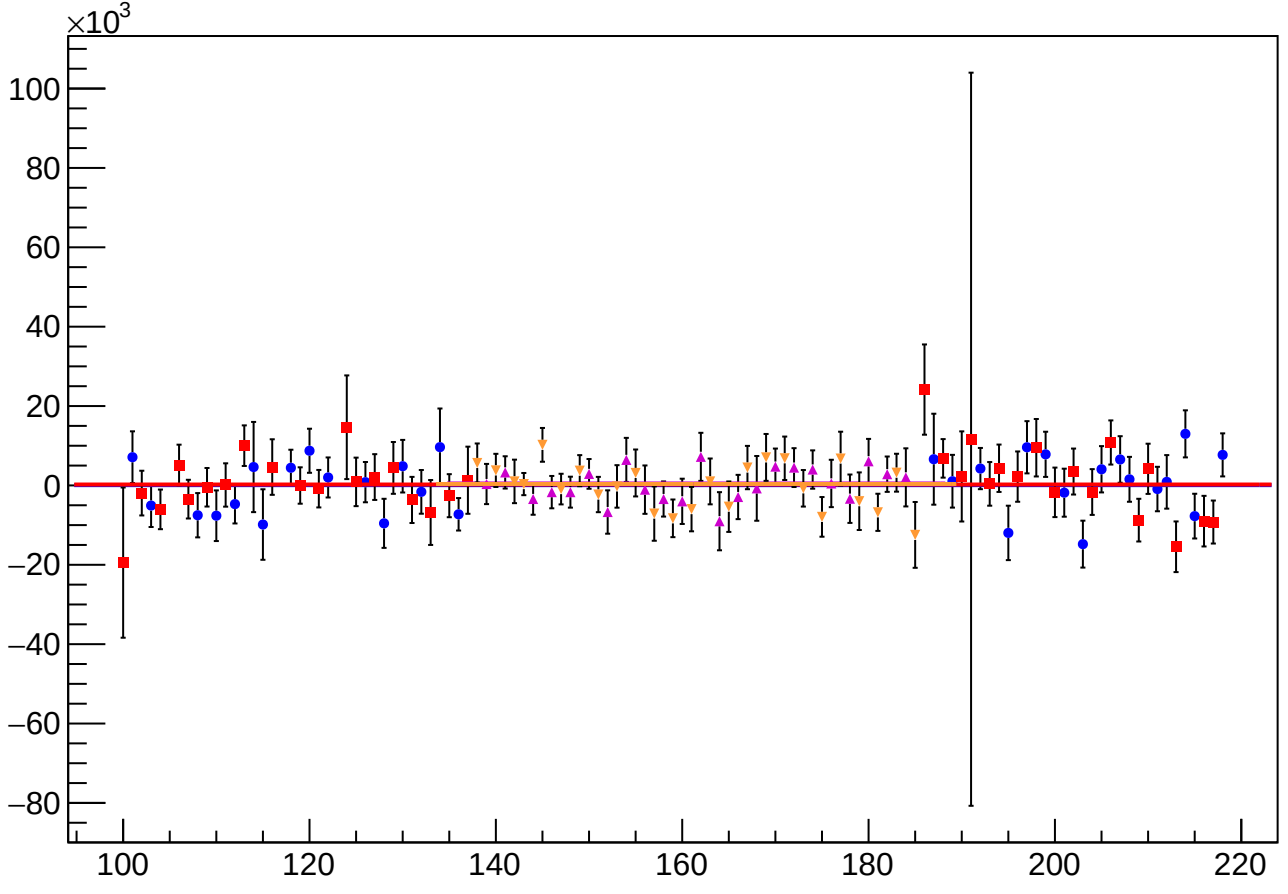
Left In: 4384.329+/-0.739 χ^2/NDF:1255475.0/22

\+ sign 4236.240+/-0.492 χ^2/NDF: 4286225.8/56

All: 4216.335+/-0.348 χ^2/NDF: 9314725.6/11

\- sign 4196.368+/-0.493 χ^2/NDF: 5025219.5/58

asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: 70.199+/-1040.368 χ^2/NDF: 43.4/31

Left Out: 362.528+/-979.860 χ^2/NDF:27.7/24

Right Out: 228.319+/-1008.085 χ^2/NDF: 38.7/35

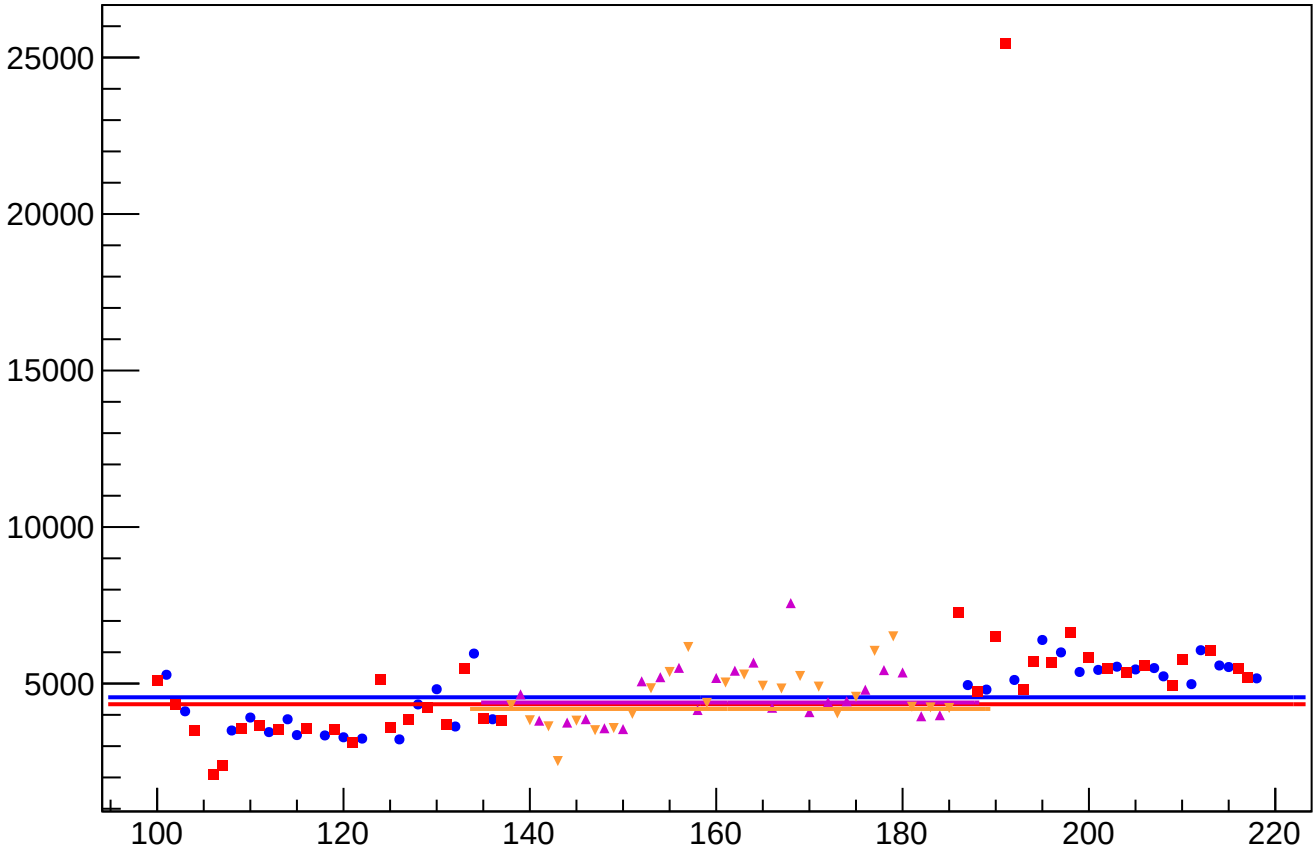
Left In: 497.522+/-1044.707 χ^2/NDF:13.9/22

+ sign 225.111+/-713.298 χ^2/NDF: 71.1/56

All: 290.494+/-508.611 χ^2/NDF: 123.7/115

- sign 358.120+/-725.425 χ^2/NDF: 52.6/58

asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 4561.241+/-0.736 χ^2/NDF: 1749932.7/31

Left Out: 4187.848+/-0.693 χ^2/NDF:1796345.9/24

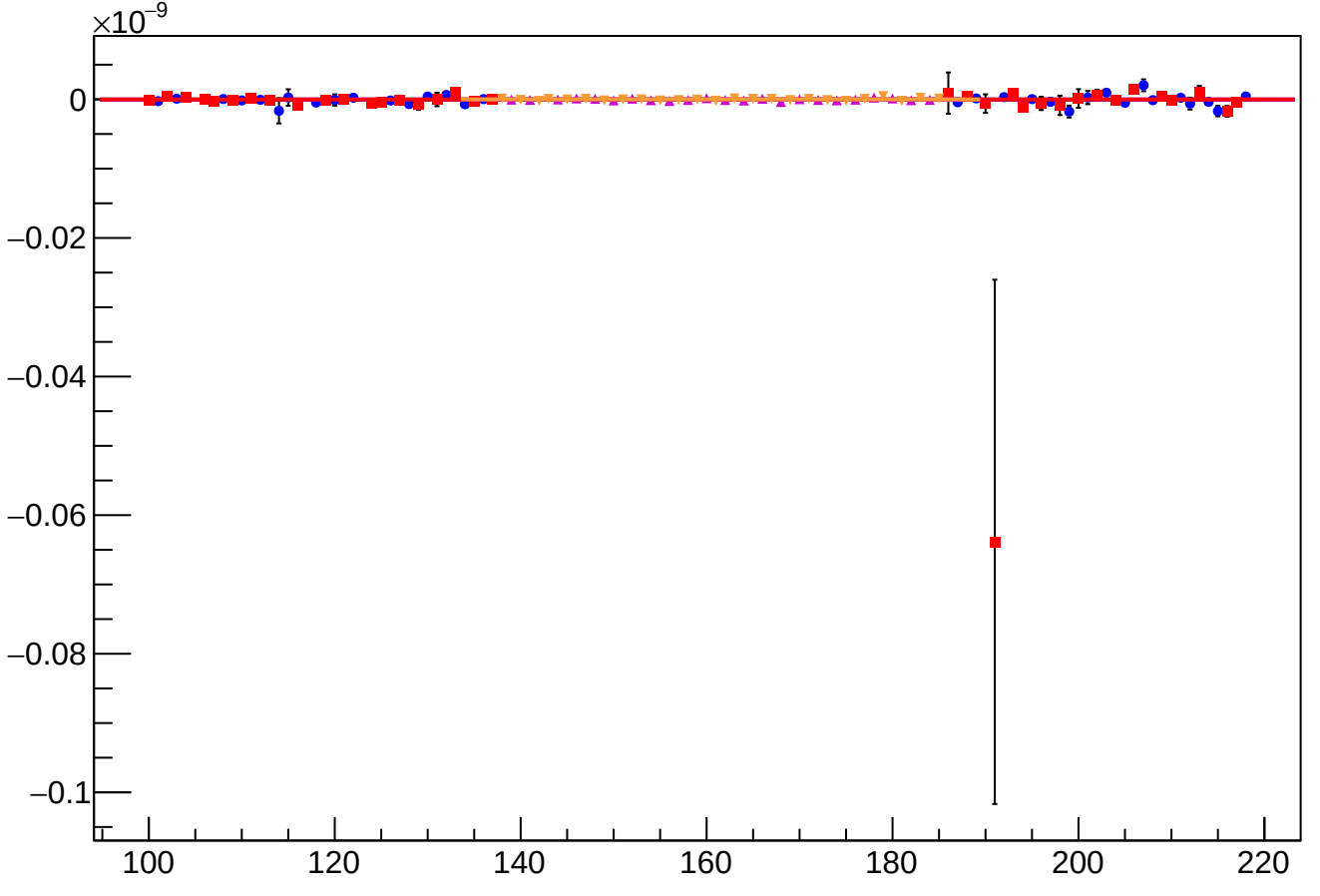
Right Out: 4339.144+/-0.707 χ^2/NDF: 2890722.2/35

Left In: 4394.324+/-0.739 χ^2/NDF:1088394.9/22

+ sign 4363.372+/-0.504 χ^2/NDF: 3682801.1/56

All: 4364.439+/-0.359 χ^2/NDF: 7664838.5/11

- sign 4365.534+/-0.511 χ^2/NDF: 3982028.3/58



Right In: -0.000+/-0.000 χ^2/NDF: 40.8/31

Left Out: -0.000+/-0.000 χ^2/NDF:30.5/24

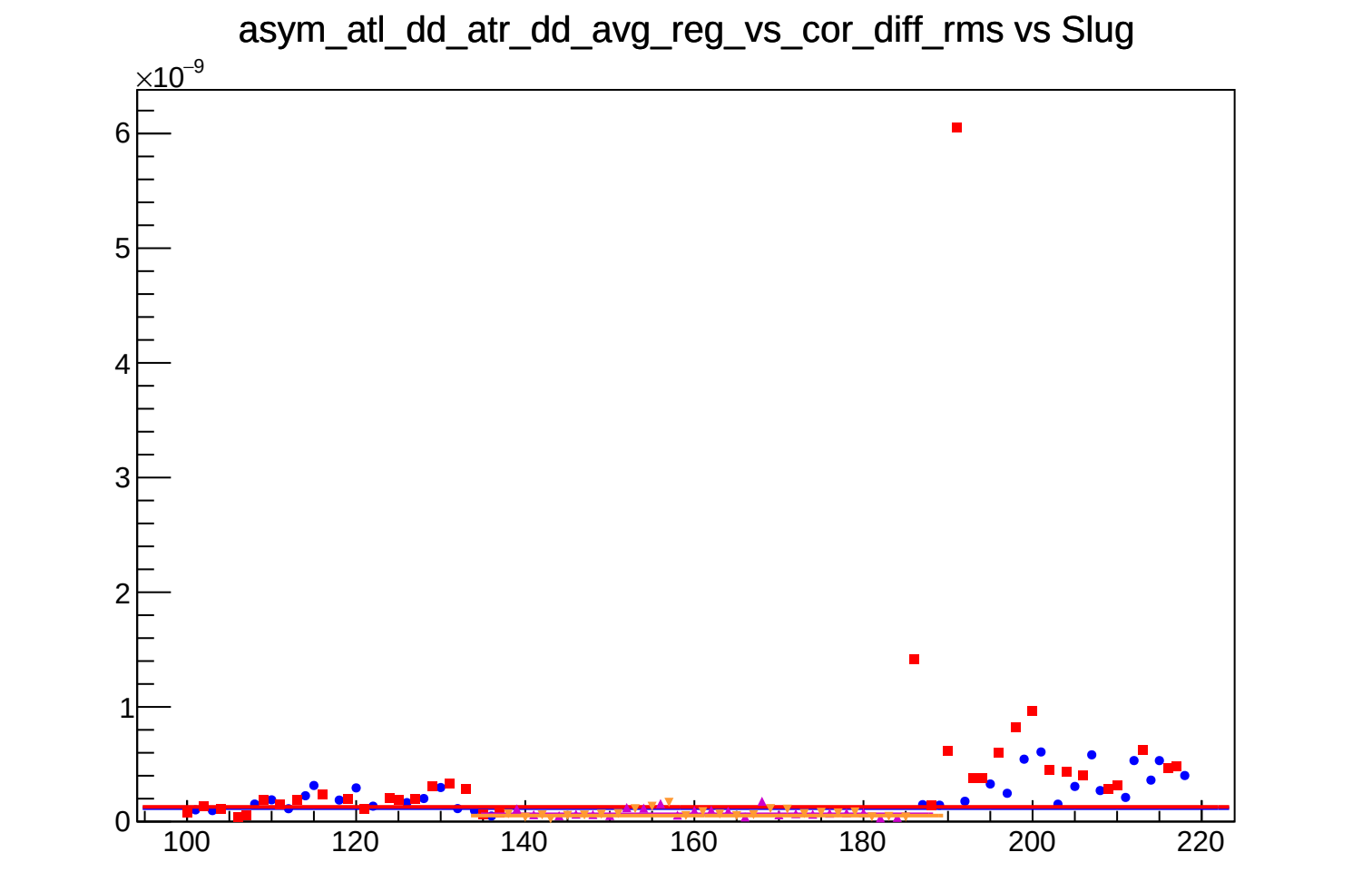
Right Out: -0.000+/-0.000 χ^2/NDF: 40.5/35

Left In: -0.000+/-0.000 χ^2/NDF:17.0/22

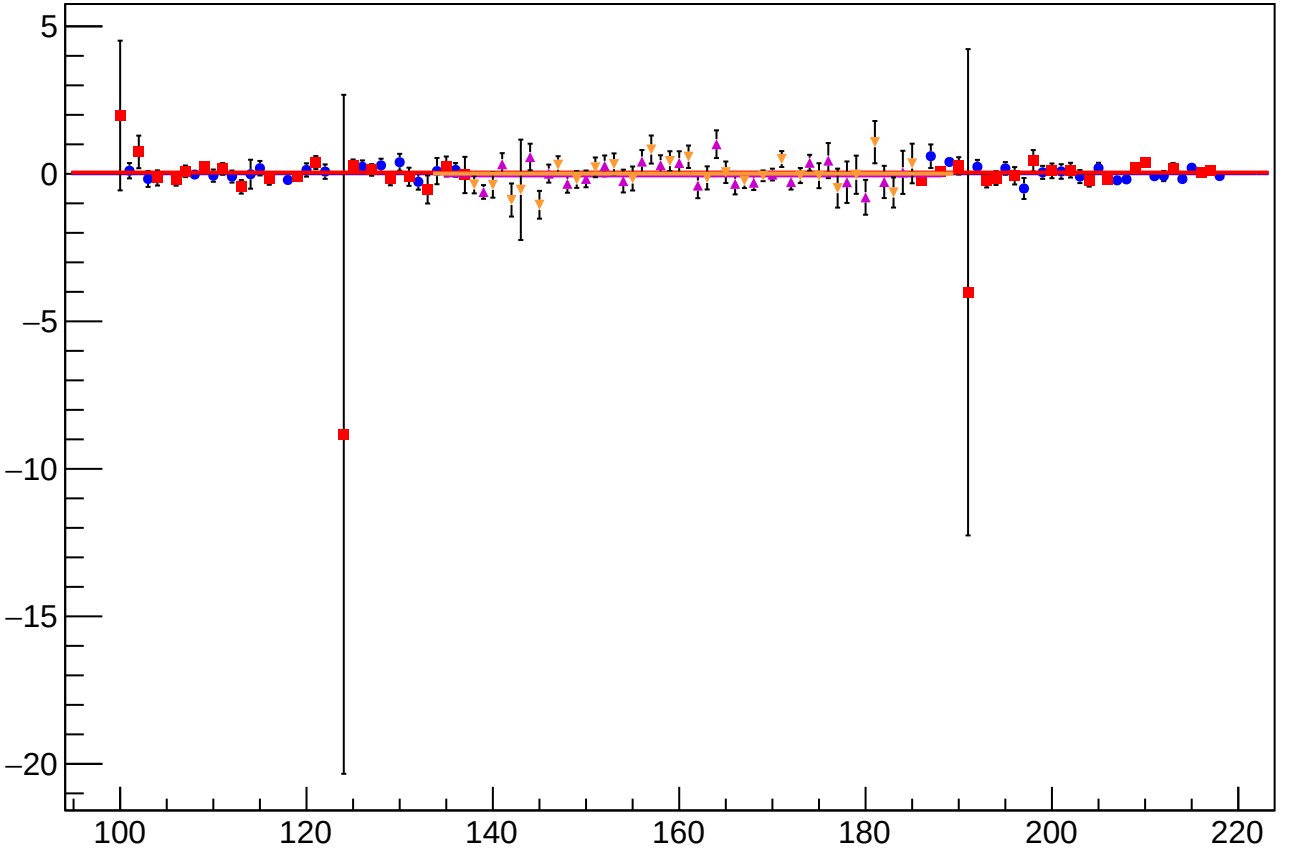
+ sign -0.000+/-0.000 χ^2/NDF: 71.5/56

All: -0.000+/-0.000 χ^2/NDF: 129.2/115

- sign -0.000+/-0.000 χ^2/NDF: 57.5/58


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
200
220
Right In: 0.000+/-0.000 χ²/NDF: 6269298.8/31
Left Out: 0.000+/-0.000 χ²/NDF:2628519.8/24
Right Out: 0.000+/-0.000 χ²/NDF: 8366184.2/35
Left In: 0.000+/-0.000 χ²/NDF:1788279.2/22
+ sign 0.000+/-0.000 χ²/NDF: 11348193.4/56
All: 0.000+/-0.000 χ²/NDF: 23805190.1/115
- sign 0.000+/-0.000 χ²/NDF: 12162726.9/58

asym_atl_dd_atr_dd_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.021+/-0.035 χ^2/NDF: 31.8/31

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

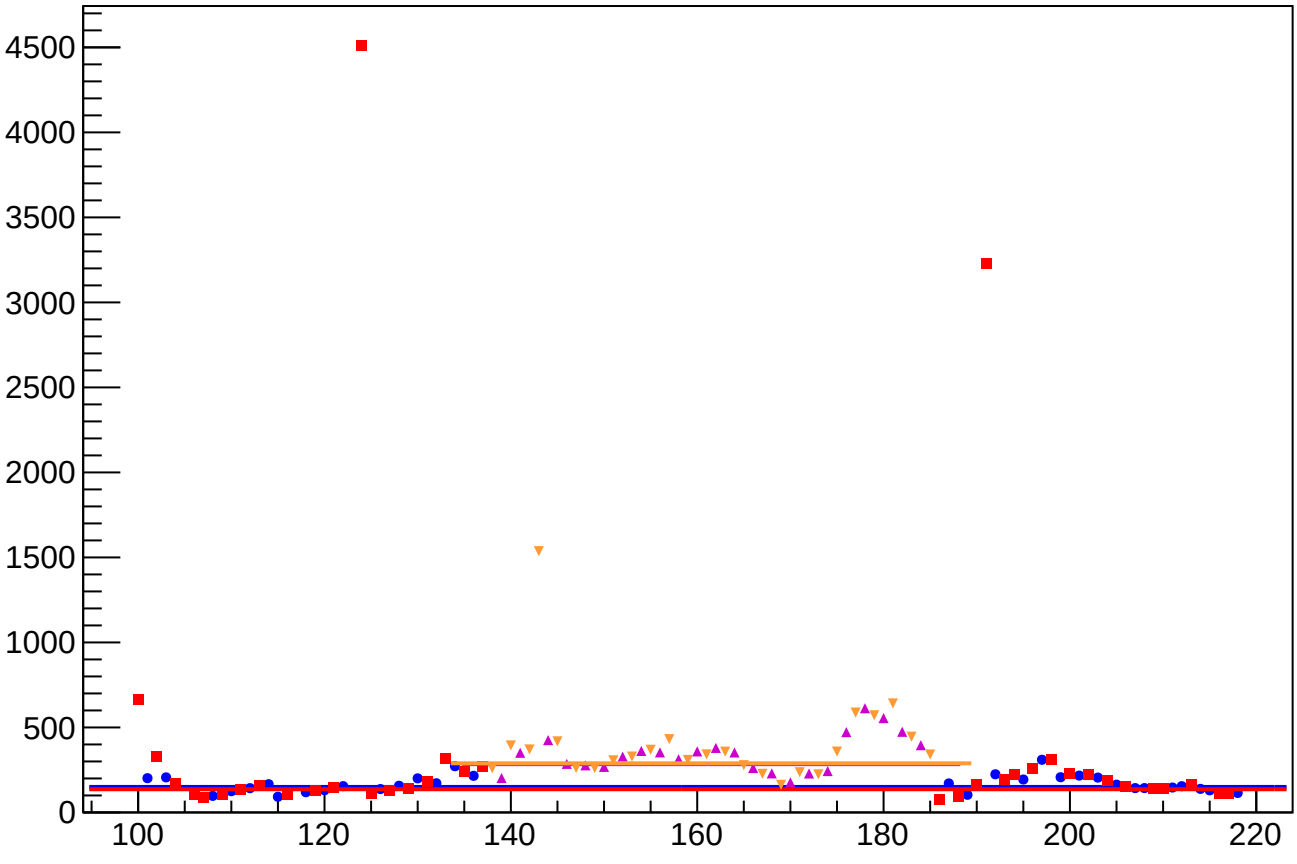
Right Out: 0.044+/-0.033 χ^2/NDF: 41.3/35

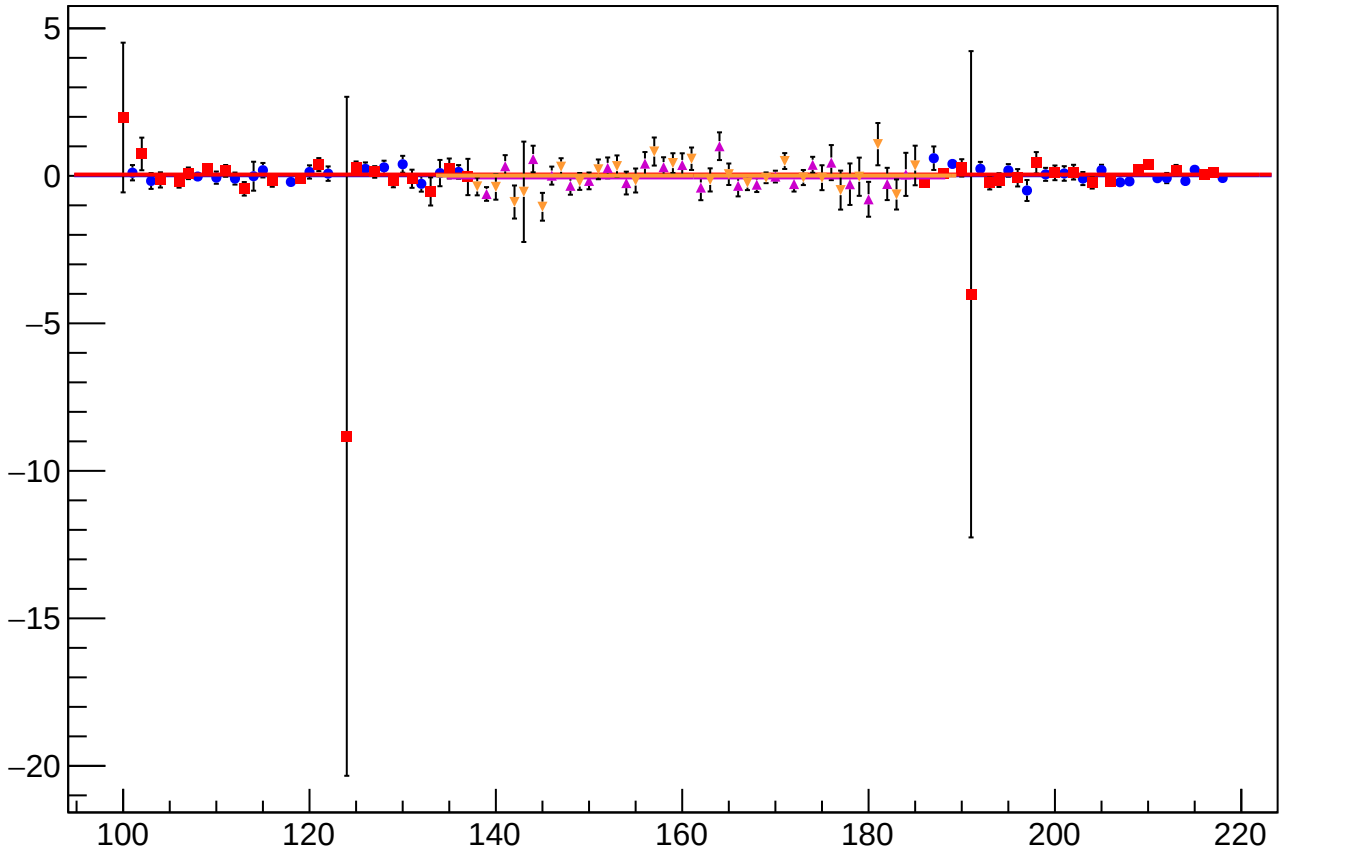
Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.018+/-0.032 χ^2/NDF: 60.7/56

All: 0.022+/-0.022 χ^2/NDF: 131.4/115

- sign 0.026+/-0.030 χ^2/NDF: 70.6/58


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
200
220
Right In: 150.054+/-0.025 χ²/NDF: 2533590.7/31
Left Out: 288.922+/-0.050 χ²/NDF:4648197.0/24
Right Out: 136.564+/-0.023 χ²/NDF: 4892006.5/35
Left In: 284.168+/-0.050 χ²/NDF:3077521.1/22
+ sign 177.478+/-0.022 χ²/NDF: 13318617.6/56
All: 170.058+/-0.015 χ²/NDF: 28693708.8/11
- sign 163.355+/-0.021 χ²/NDF: 15164655.9/58



Right In: 0.021+/-0.035 χ^2/NDF: 31.8/31

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

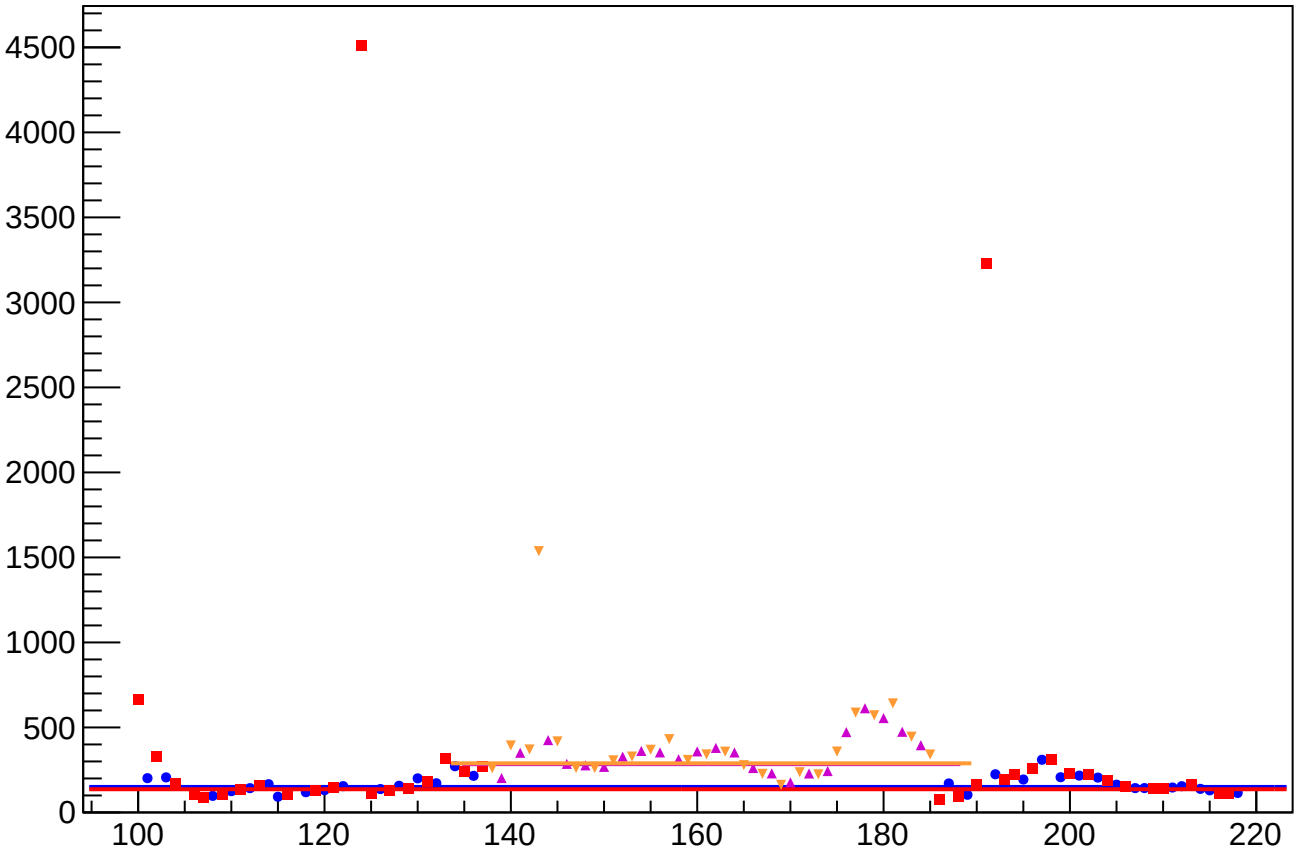
Right Out: 0.044+/-0.033 χ^2/NDF: 41.3/35

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.018+/-0.032 χ^2/NDF: 60.7/56

All: 0.022+/-0.022 χ^2/NDF: 131.4/115

- sign 0.026+/-0.030 χ^2/NDF: 70.6/58



Right In: 150.054+/-0.025 χ^2/NDF: 2533590.7/31

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

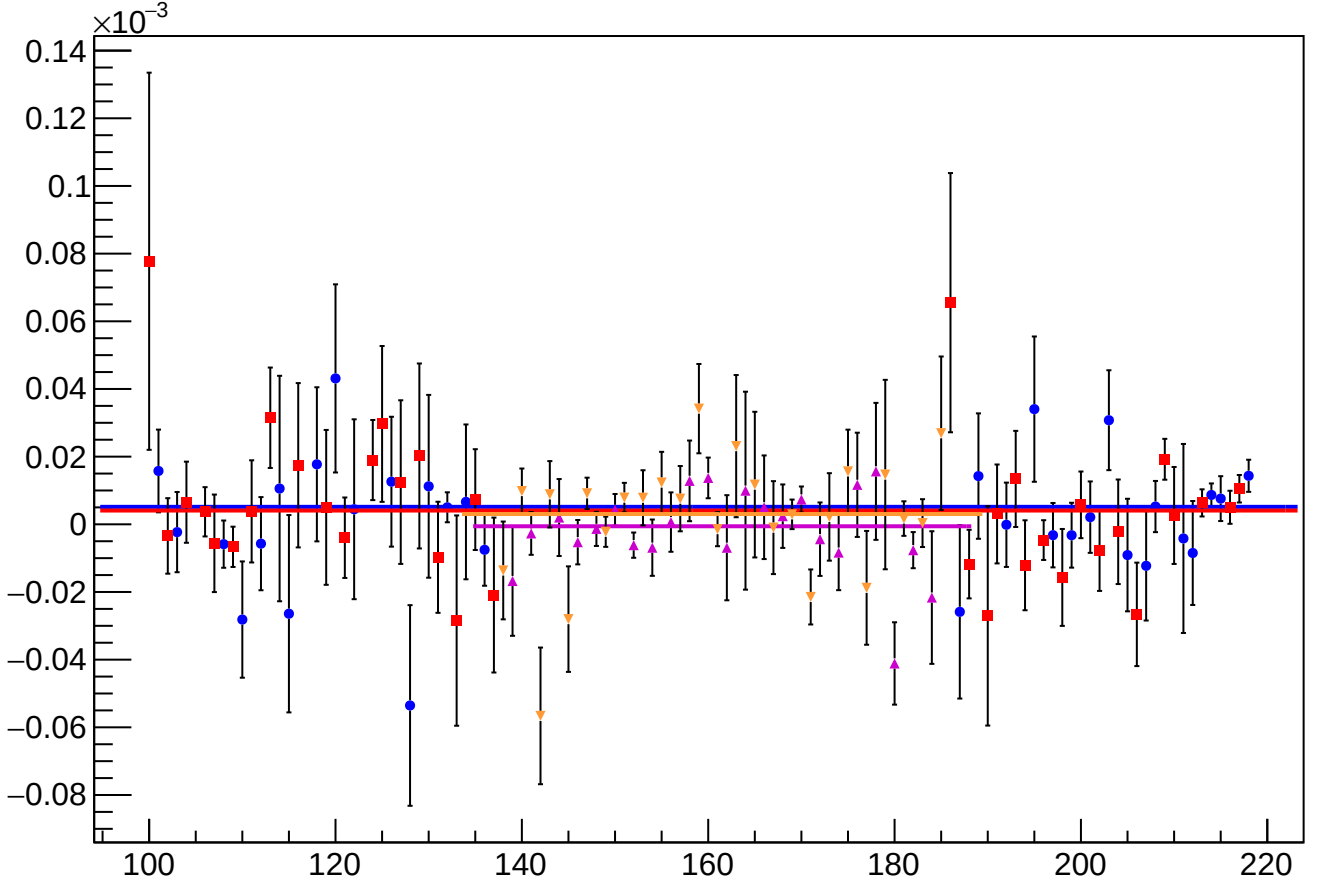
Right Out: 136.564+/-0.023 χ^2/NDF: 4892006.5/35

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

+ sign 177.478+/-0.022 χ^2/NDF: 13318617.6/56

All: 170.058+/-0.015 χ^2/NDF: 28693708.8/11

- sign 163.355+/-0.021 χ^2/NDF: 15164655.9/58



Right In: 0.000+/-0.000 χ^2/NDF: 33.0/31

Left Out: 0.000+/-0.000 χ^2/NDF:42.2/24

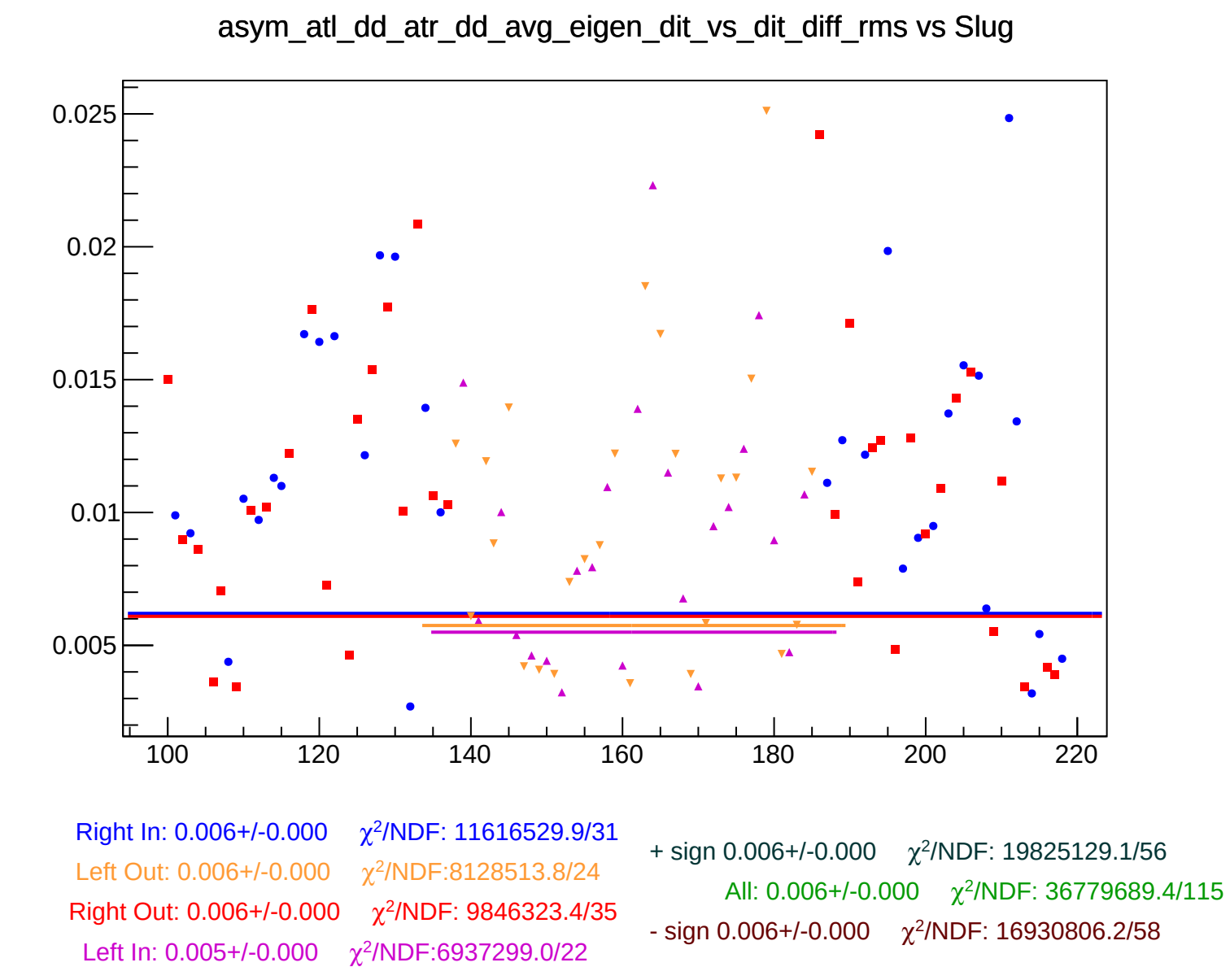
Right Out: 0.000+/-0.000 χ^2/NDF: 42.8/35

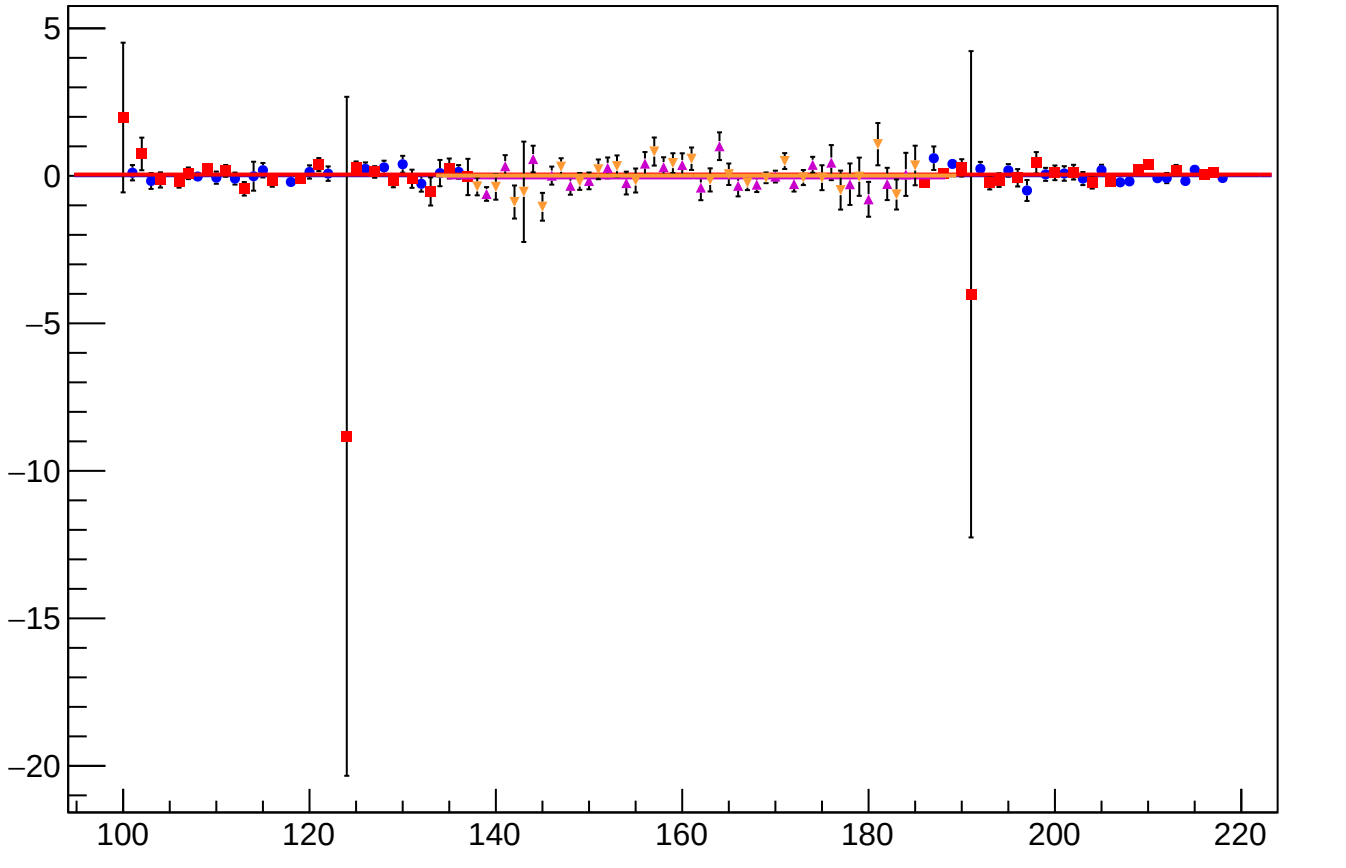
Left In: -0.000+/-0.000 χ^2/NDF:33.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 76.1/56

All: 0.000+/-0.000 χ^2/NDF: 158.8/115

- sign 0.000+/-0.000 χ^2/NDF: 80.5/58


asym_atl_dd_atr_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.025
0.02
0.015
0.01
0.005
100
120
140
160
180
200
220
Right In: 0.006+/-0.000 χ²/NDF: 11616529.9/31
Left Out: 0.006+/-0.000 χ²/NDF:8128513.8/24
Right Out: 0.006+/-0.000 χ²/NDF: 9846323.4/35
Left In: 0.005+/-0.000 χ²/NDF:6937299.0/22
+ sign 0.006+/-0.000 χ²/NDF: 19825129.1/56
All: 0.006+/-0.000 χ²/NDF: 36779689.4/115
- sign 0.006+/-0.000 χ²/NDF: 16930806.2/58



Right In: 0.021+/-0.035 χ^2/NDF: 31.8/31

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

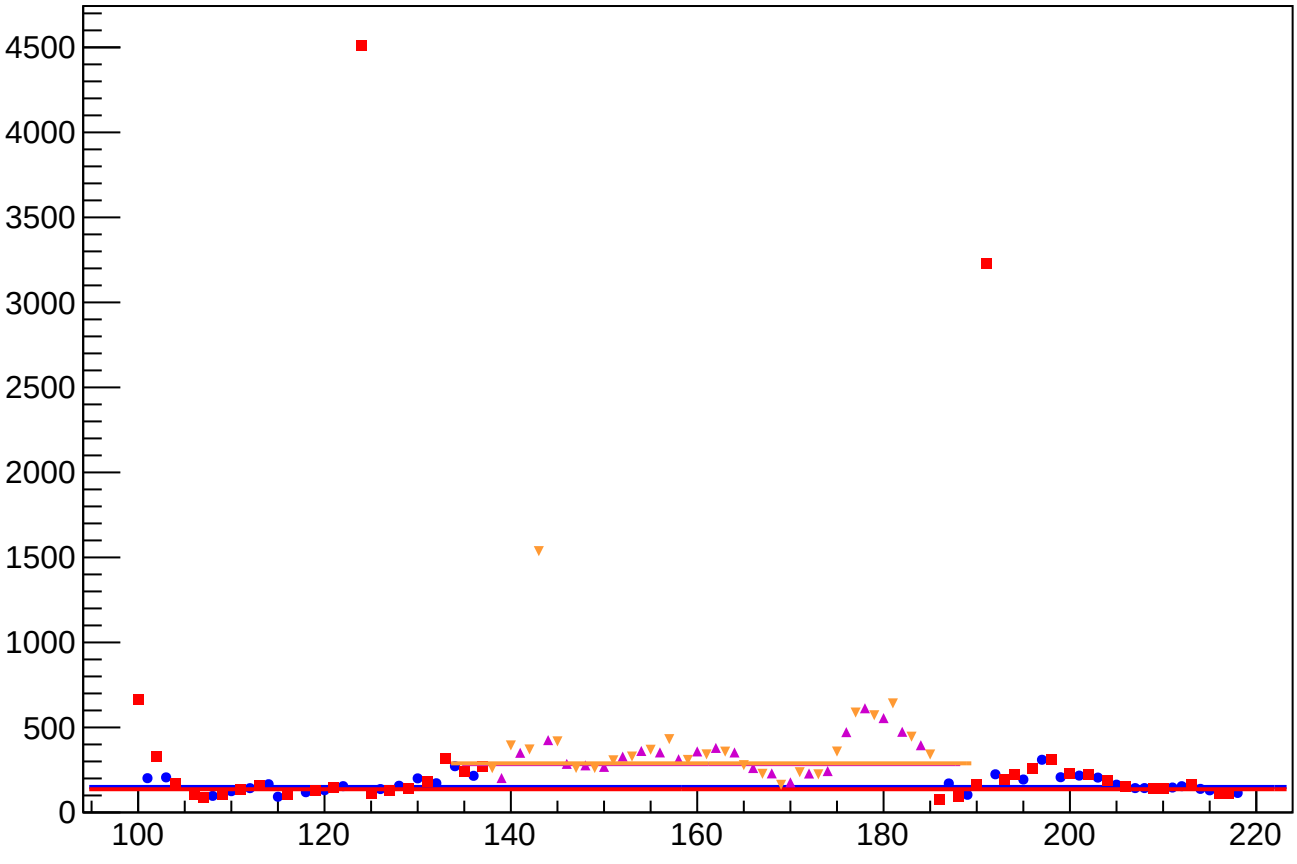
Right Out: 0.044+/-0.033 χ^2/NDF: 41.3/35

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.018+/-0.032 χ^2/NDF: 60.7/56

All: 0.022+/-0.022 χ^2/NDF: 131.4/115

- sign 0.026+/-0.030 χ^2/NDF: 70.6/58



Right In: 150.055+/-0.025 χ^2/NDF: 2533574.0/31

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

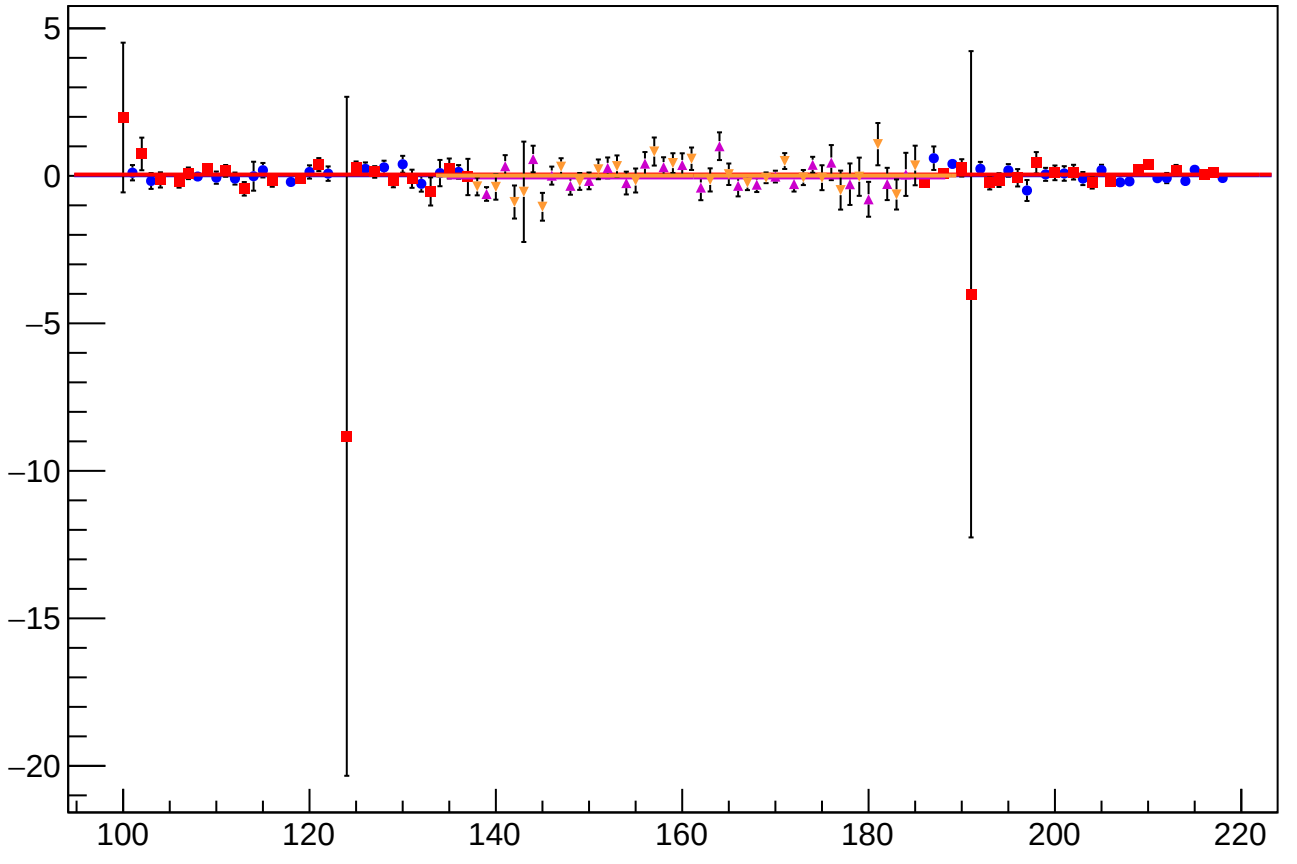
Right Out: 136.566+/-0.023 χ^2/NDF: 4891847.9/35

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

+ sign 177.479+/-0.022 χ^2/NDF: 13318720.8/56

All: 170.059+/-0.015 χ^2/NDF: 28693613.1/11

- sign 163.357+/-0.021 χ^2/NDF: 15164494.4/58



Right In: 0.021+/-0.035 χ^2/NDF: 31.8/31

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

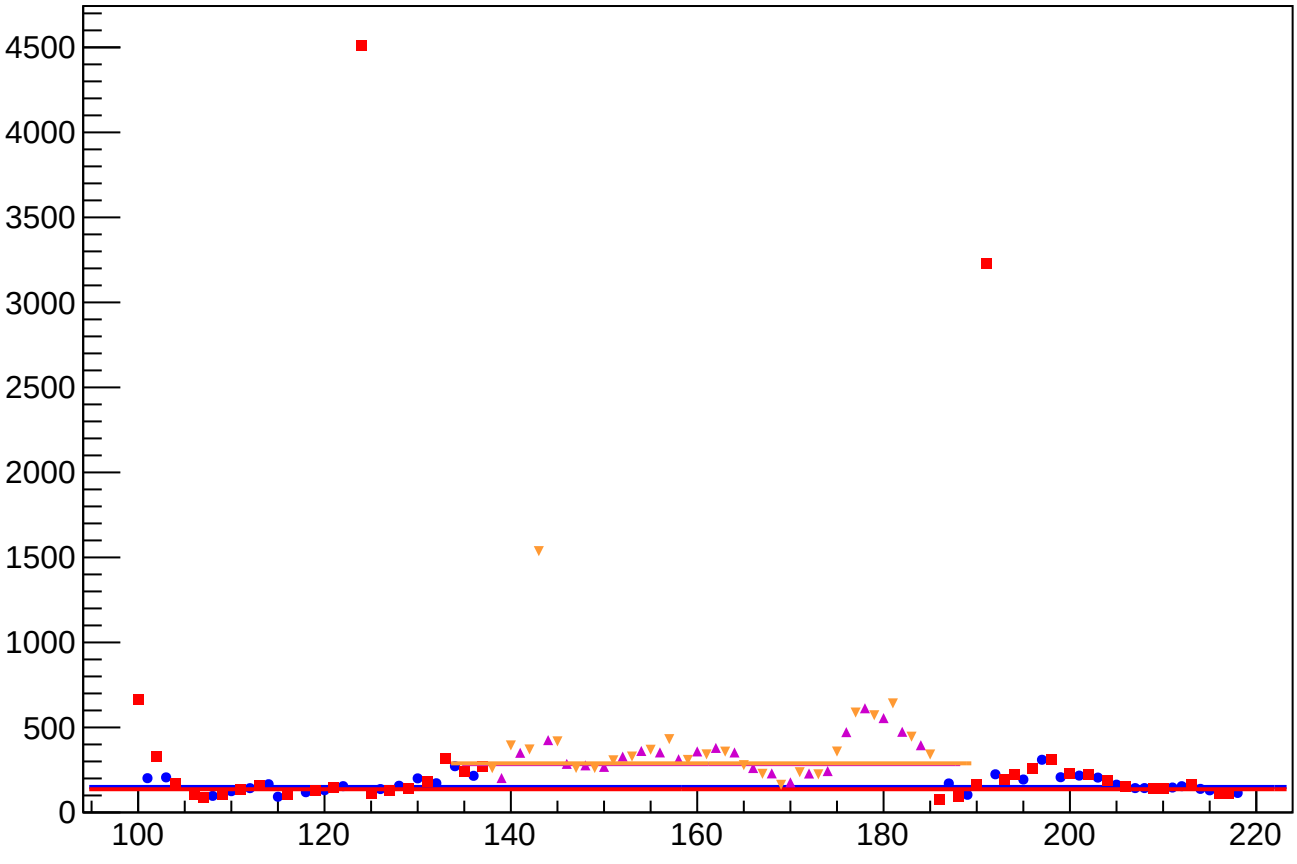
Right Out: 0.044+/-0.033 χ^2/NDF: 41.3/35

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.018+/-0.032 χ^2/NDF: 60.7/56

All: 0.022+/-0.022 χ^2/NDF: 131.4/115

- sign 0.026+/-0.030 χ^2/NDF: 70.6/58



Right In: 150.055+/-0.025 χ^2/NDF: 2533574.0/31

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

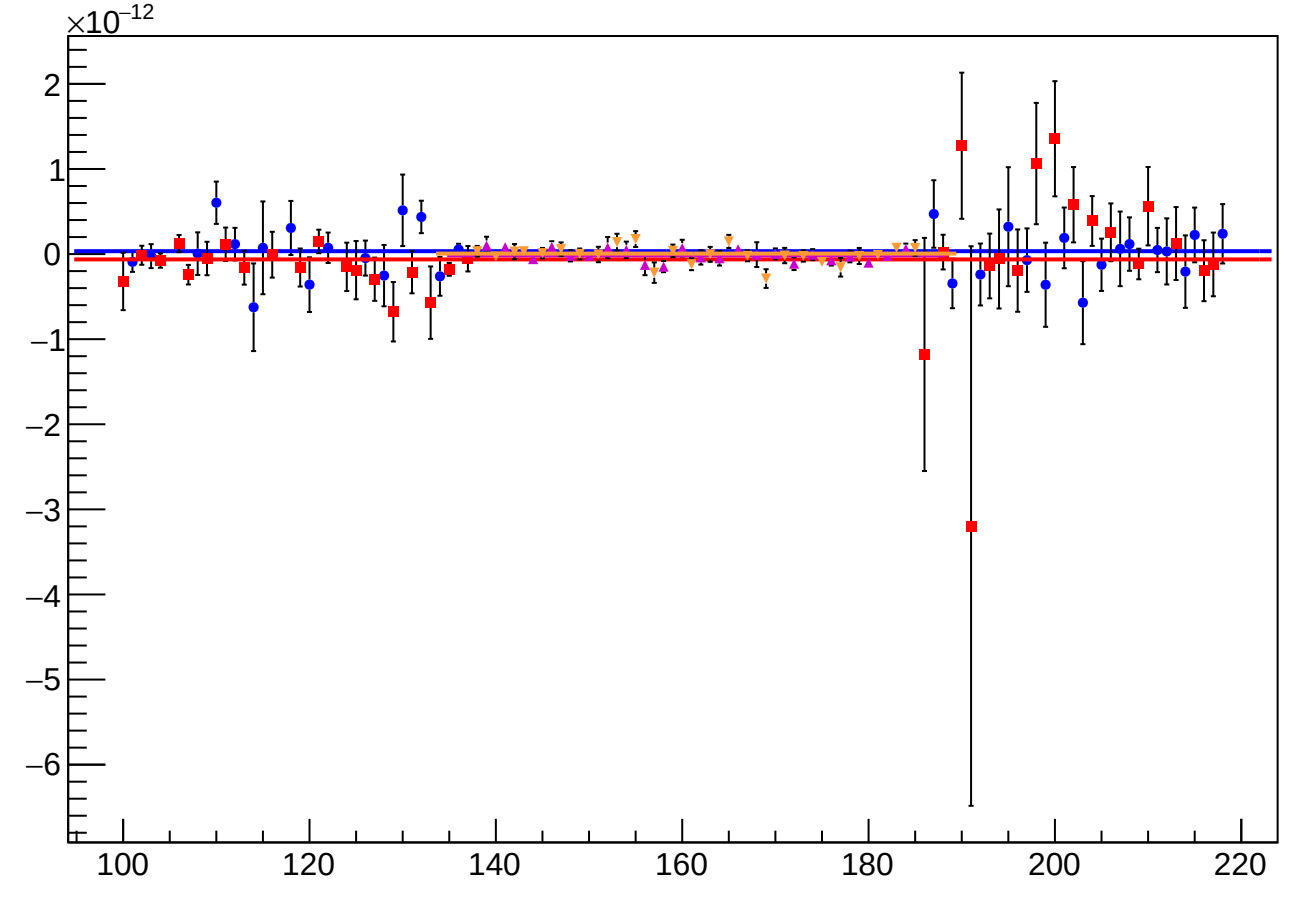
Right Out: 136.566+/-0.023 χ^2/NDF: 4891847.9/35

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

+ sign 177.479+/-0.022 χ^2/NDF: 13318720.8/56

All: 170.059+/-0.015 χ^2/NDF: 28693613.1/11

- sign 163.357+/-0.021 χ^2/NDF: 15164494.4/58



Right In: 0.000+/-0.000 χ^2/NDF: 26.5/31

Left Out: 0.000+/-0.000 χ^2/NDF:34.1/24

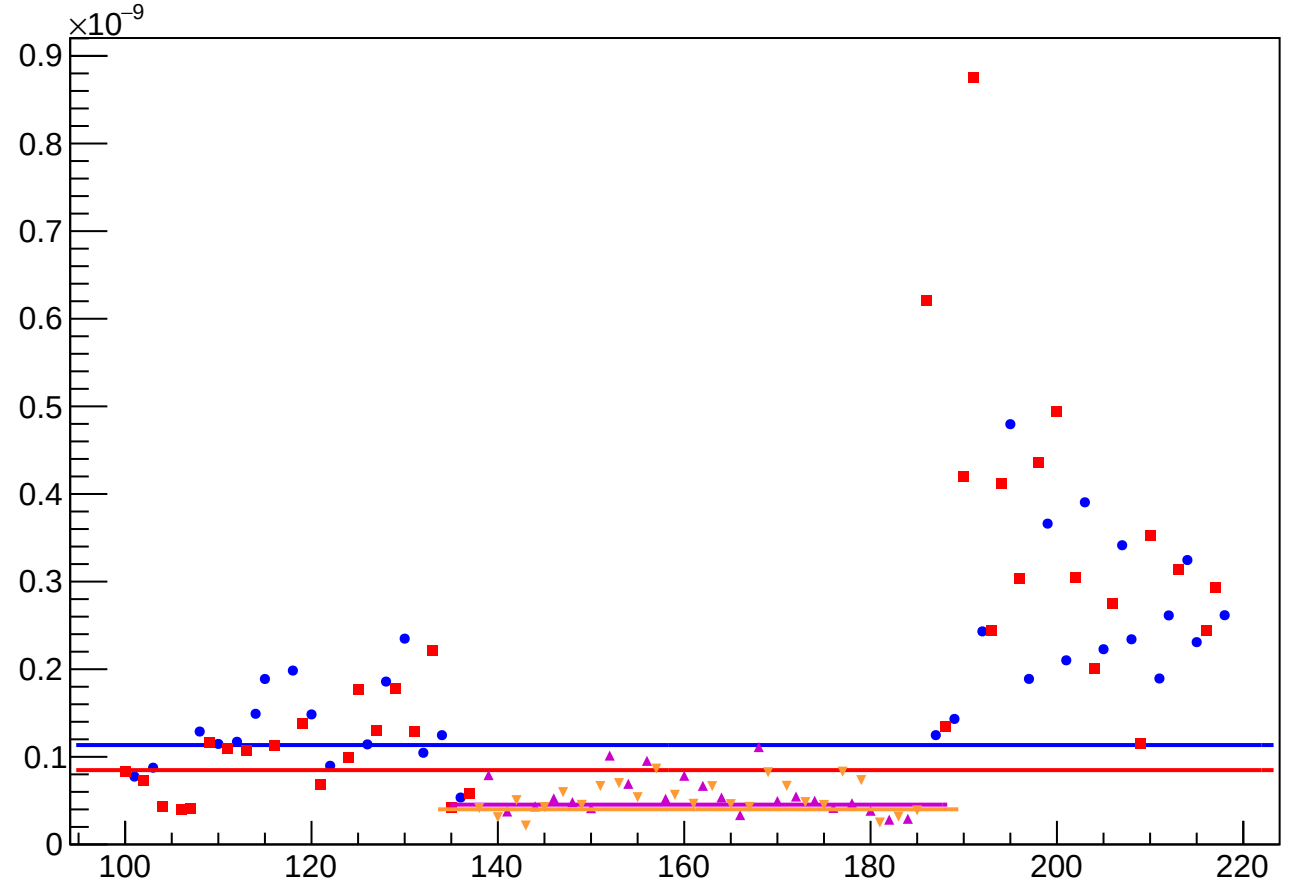
Right Out: -0.000+/-0.000 χ^2/NDF: 37.5/35

Left In: -0.000+/-0.000 χ^2/NDF:23.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 61.1/56

All: -0.000+/-0.000 χ^2/NDF: 126.8/115

- sign -0.000+/-0.000 χ^2/NDF: 62.6/58



Right In: 0.000+/-0.000 χ^2/NDF: 7264038.6/31

Left Out: 0.000+/-0.000 χ^2/NDF:3609934.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10027189.5/35

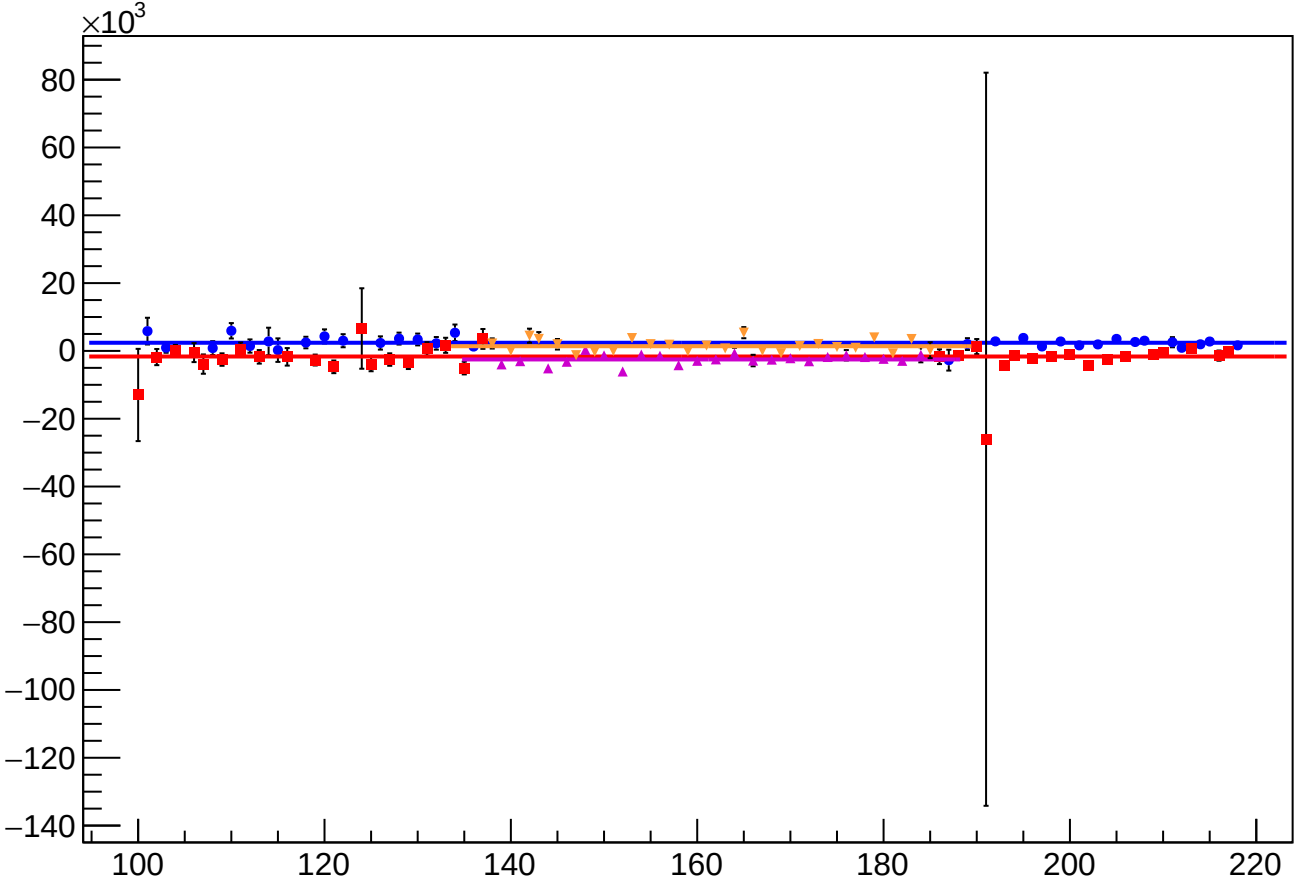
Left In: 0.000+/-0.000 χ^2/NDF:2780344.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 17416399.3/56

All: 0.000+/-0.000 χ^2/NDF: 32947237.8/115

- sign 0.000+/-0.000 χ^2/NDF: 15382601.8/58

reg_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2404.893+/-291.028 χ^2/NDF: 16.6/31

Left Out: 1383.252+/-292.777 χ^2/NDF:32.9/24

Right Out: -1648.627+/-292.470 χ^2/NDF: 34.4/35

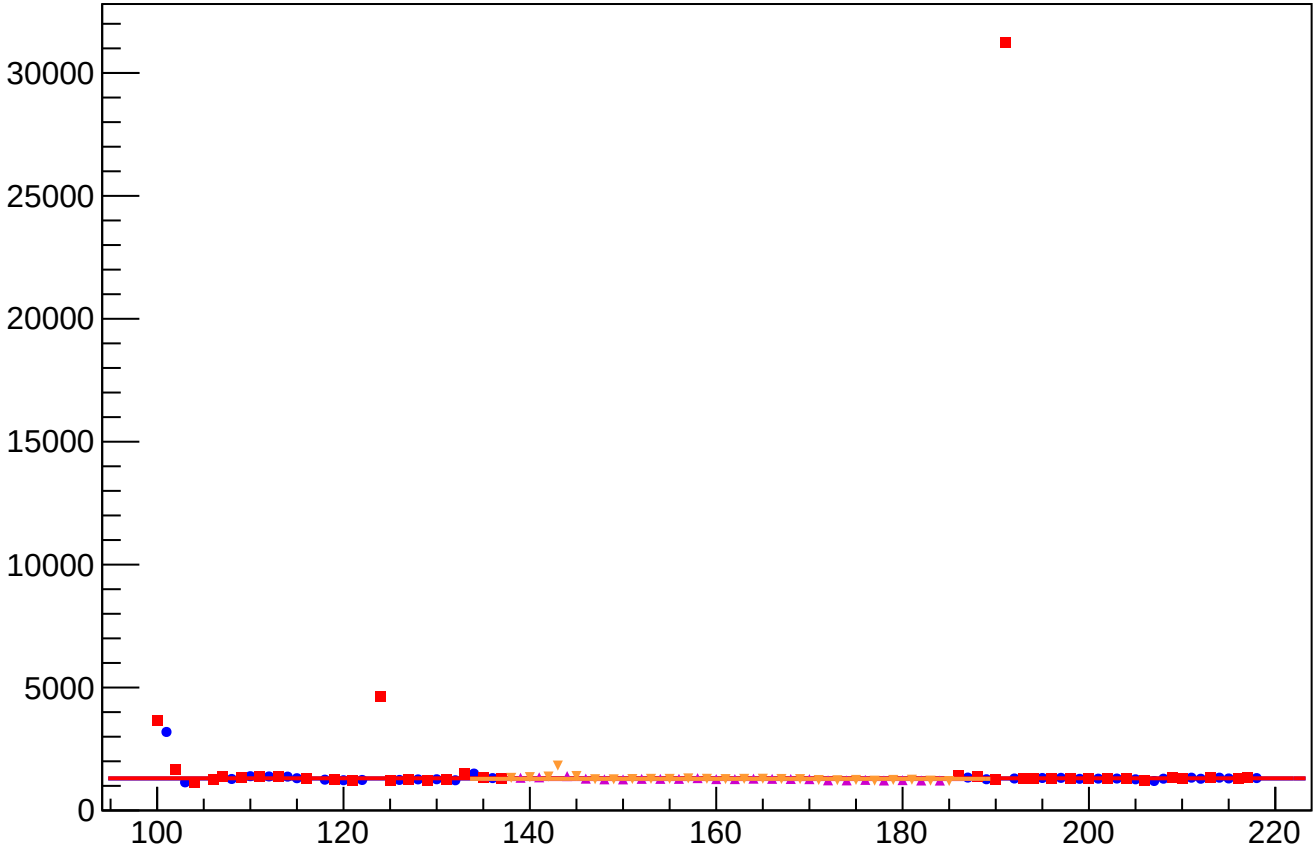
Left In: -2519.365+/-298.095 χ^2/NDF:22.5/22

+ sign 1897.133+/-206.403 χ^2/NDF: 55.7/56

All: -66.657+/-146.778 χ^2/NDF: 300.0/115

- sign -2075.702+/-208.768 χ^2/NDF: 61.2/58

reg_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1298.831+/-0.206 χ^2/NDF: 535222.9/31

Left Out: 1285.649+/-0.207 χ^2/NDF:191027.3/24

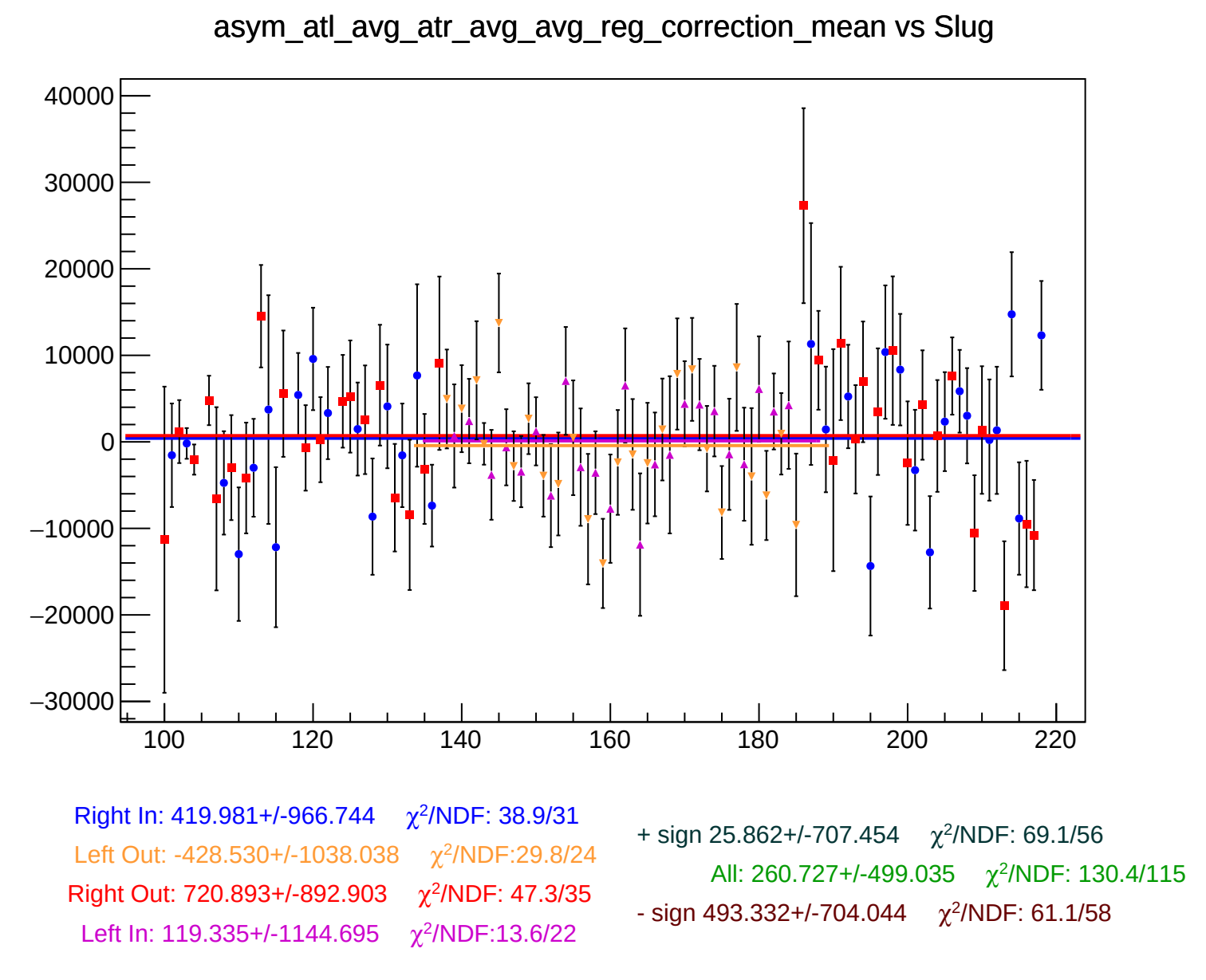
Right Out: 1308.532+/-0.207 χ^2/NDF: 506768.8/35

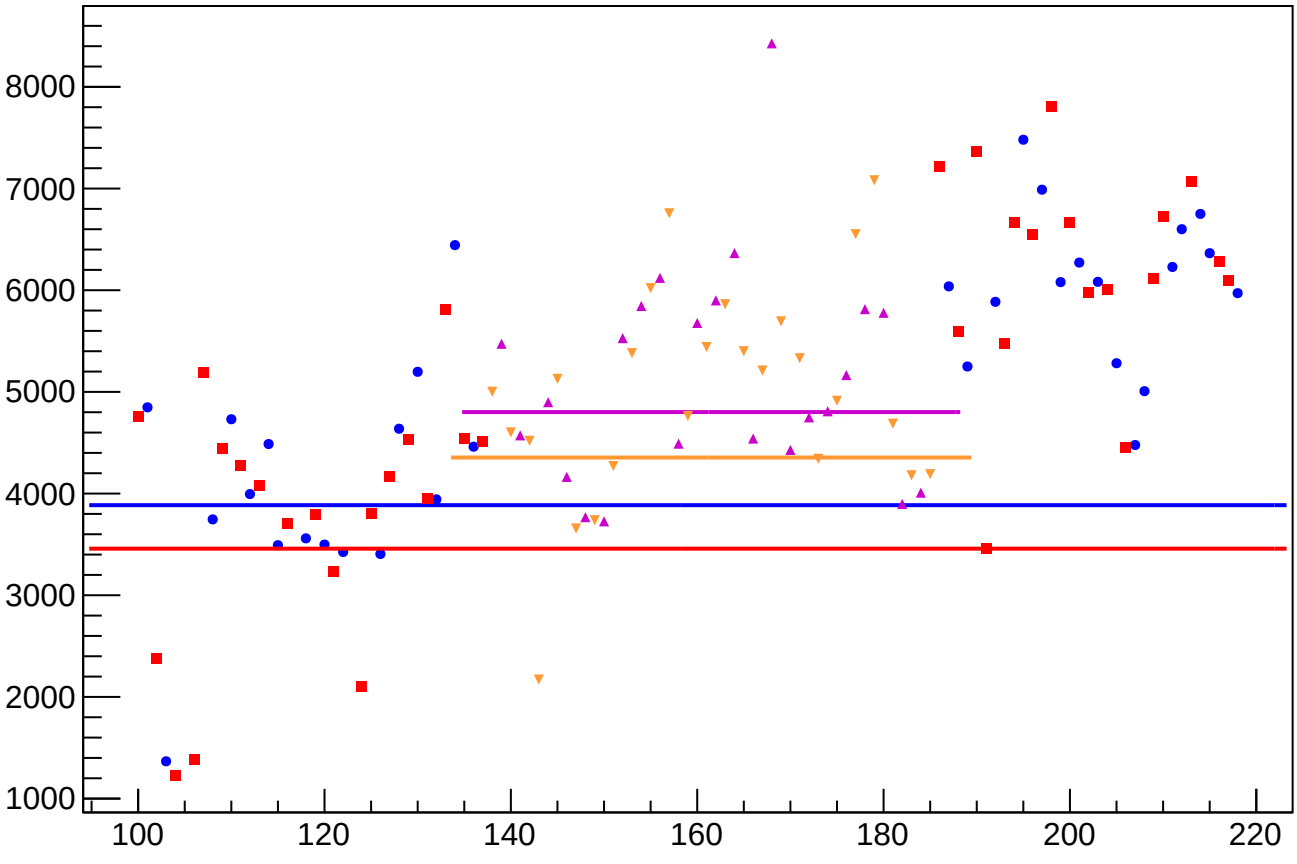
Left In: 1275.941+/-0.211 χ^2/NDF:41399.0/22

+ sign 1292.280+/-0.146 χ^2/NDF: 728289.6/56

All: 1292.419+/-0.104 χ^2/NDF: 1288652.0/11

- sign 1292.562+/-0.148 χ^2/NDF: 560360.6/58


asym_atl_avg_atr_avg_avg_reg_correction_mean vs Slug
40000
30000
20000
10000
0
−10000
−20000
−30000
100
120
140
160
180
200
220
Right In: 419.981+/-966.744 χ²/NDF: 38.9/31
Left Out: -428.530+/-1038.038 χ²/NDF:29.8/24
Right Out: 720.893+/-892.903 χ²/NDF: 47.3/35
Left In: 119.335+/-1144.695 χ²/NDF:13.6/22
+ sign 25.862+/-707.454 χ²/NDF: 69.1/56
All: 260.727+/-499.035 χ²/NDF: 130.4/115
- sign 493.332+/-704.044 χ²/NDF: 61.1/58



Right In: 3885.937+/-0.684 χ^2/NDF: 7718827.9/31

Left Out: 4354.526+/-0.734 χ^2/NDF:3071436.3/24

Right Out: 3458.180+/-0.631 χ^2/NDF: 10265796.2/35

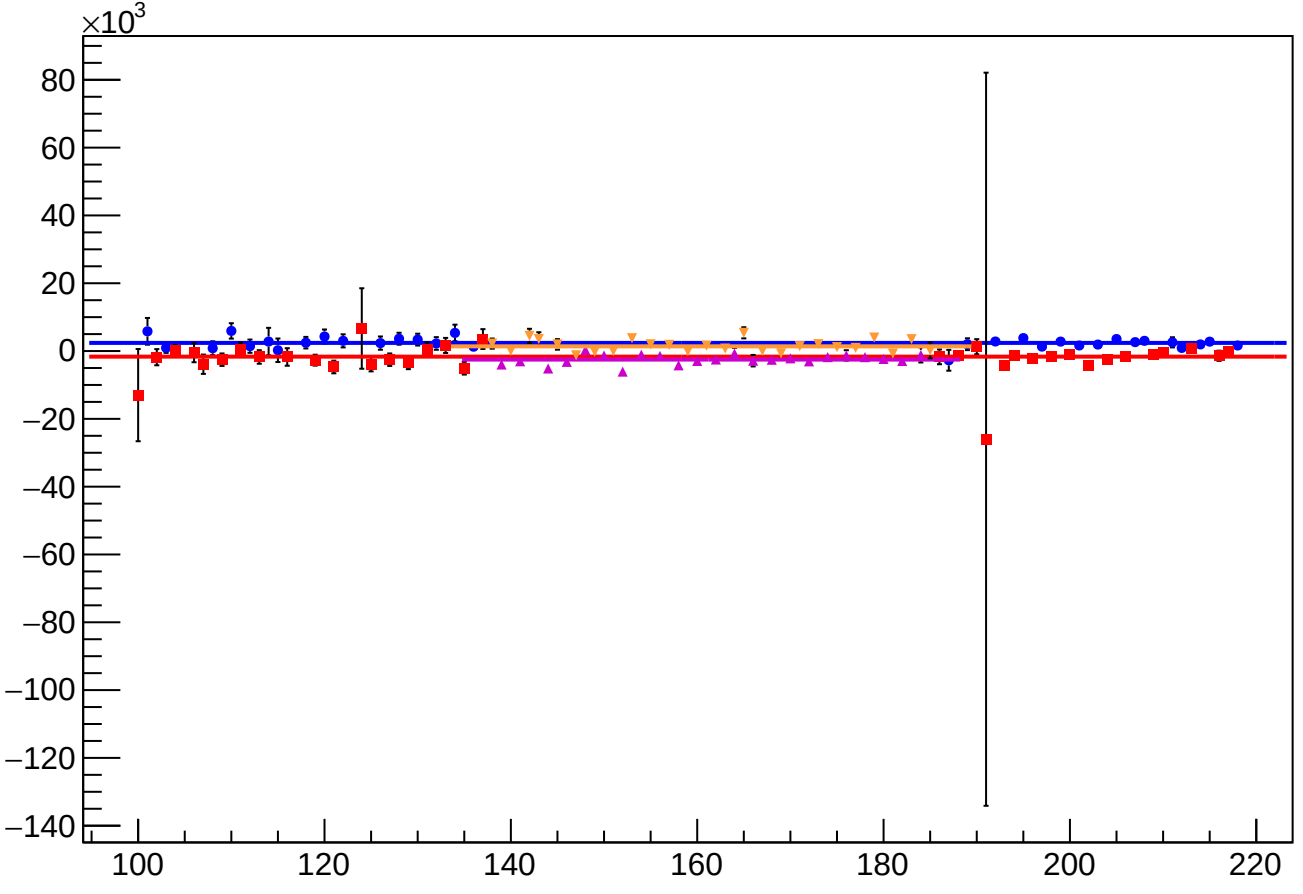
Left In: 4801.573+/-0.809 χ^2/NDF:1231883.2/22

+ sign 4103.589+/-0.500 χ^2/NDF: 11008518.3/56

All: 4034.646+/-0.353 χ^2/NDF: 24256569.8/1

- sign 3966.366+/-0.498 χ^2/NDF: 13210246.5/58

cor_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2404.802+/-291.028 χ^2/NDF: 16.6/31

Left Out: 1383.188+/-292.777 χ^2/NDF:32.9/24

Right Out: -1648.549+/-292.470 χ^2/NDF: 34.4/35

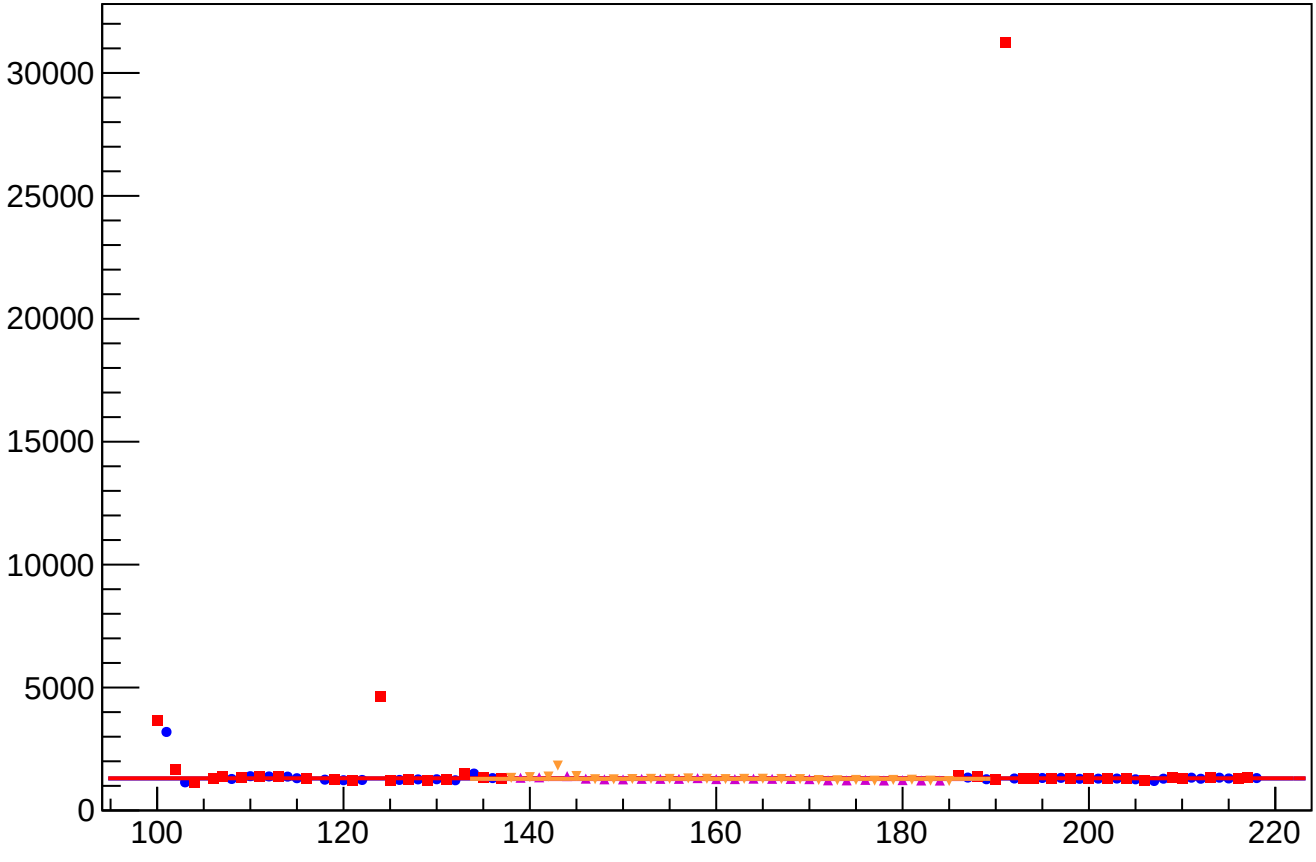
Left In: -2519.366+/-298.095 χ^2/NDF:22.5/22

+ sign 1897.055+/-206.403 χ^2/NDF: 55.7/56

All: -66.677+/-146.778 χ^2/NDF: 300.0/115

- sign -2075.663+/-208.768 χ^2/NDF: 61.2/58

cor_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1298.831+/-0.206 χ^2/NDF: 535224.4/31

Left Out: 1285.649+/-0.207 χ^2/NDF:191027.3/24

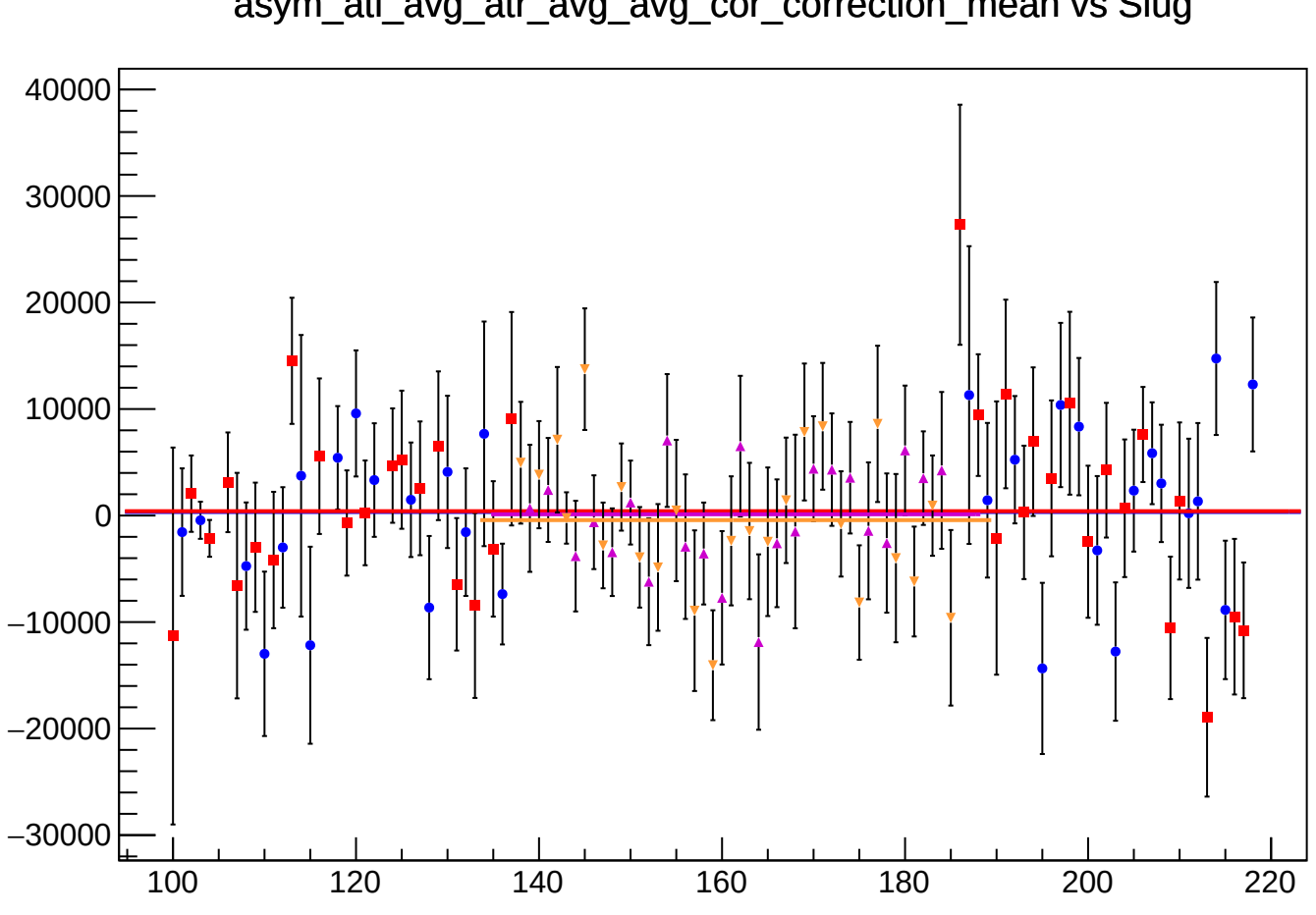
Right Out: 1308.924+/-0.207 χ^2/NDF: 506420.0/35

Left In: 1275.941+/-0.211 χ^2/NDF:41399.0/22

+ sign 1292.280+/-0.146 χ^2/NDF: 728291.0/56

All: 1292.516+/-0.104 χ^2/NDF: 1288599.4/11

- sign 1292.757+/-0.148 χ^2/NDF: 560303.1/58



Right In: 333.499+/-961.167 χ^2/NDF: 39.0/31

Left Out: -428.525+/-1038.036 χ^2/NDF:29.8/24

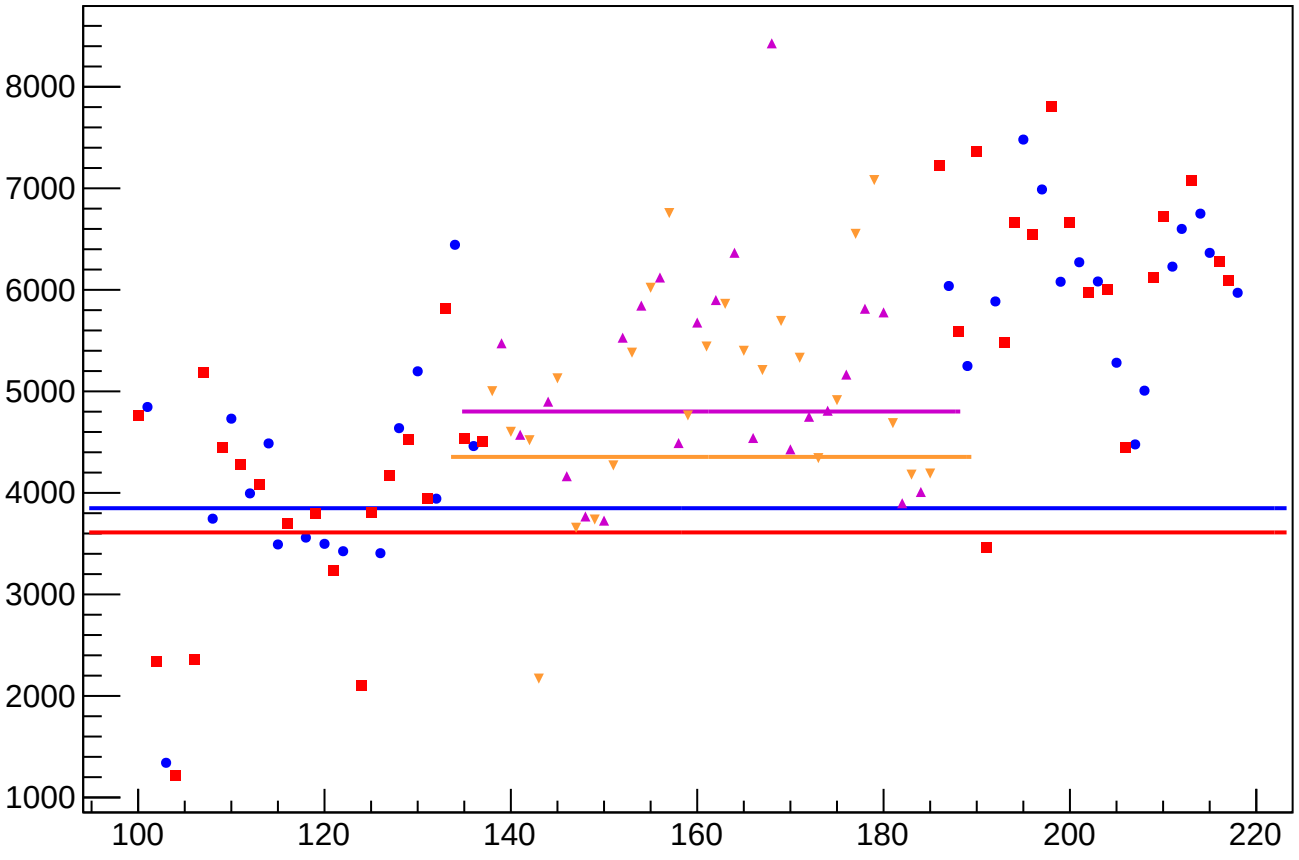
Right Out: 409.789+/-918.349 χ^2/NDF: 45.8/35

Left In: 119.307+/-1144.695 χ^2/NDF:13.6/22

\+ sign -18.257+/-705.259 χ^2/NDF: 69.2/56

All: 136.446+/-502.558 χ^2/NDF: 128.7/115

\- sign 296.039+/-716.318 χ^2/NDF: 59.4/58



Right In: 3849.280+/-0.680 χ^2/NDF: 7957902.7/31

Left Out: 4354.511+/-0.734 χ^2/NDF:3071528.5/24

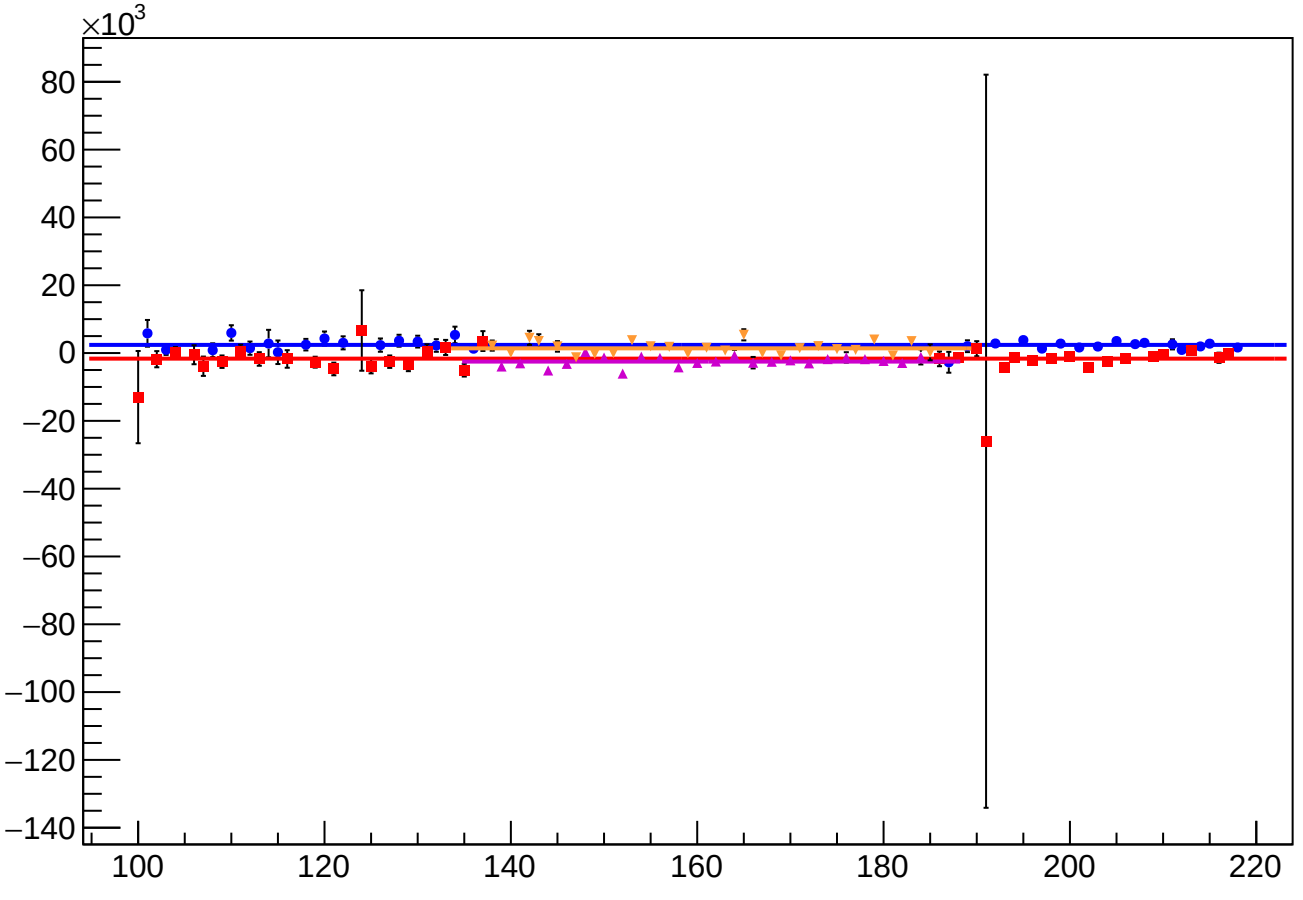
Right Out: 3610.650+/-0.649 χ^2/NDF: 9382822.3/35

Left In: 4801.570+/-0.809 χ^2/NDF:1231894.6/22

+ sign 4082.498+/-0.499 χ^2/NDF: 11284516.6/56

All: 4079.793+/-0.355 χ^2/NDF: 23216372.6/1

- sign 4077.003+/-0.507 χ^2/NDF: 11931796.2/58



Right In: 2404.802+/-291.028 χ^2/NDF: 16.6/31

Left Out: 1383.188+/-292.777 χ^2/NDF:32.9/24

Right Out: -1648.549+/-292.470 χ^2/NDF: 34.4/35

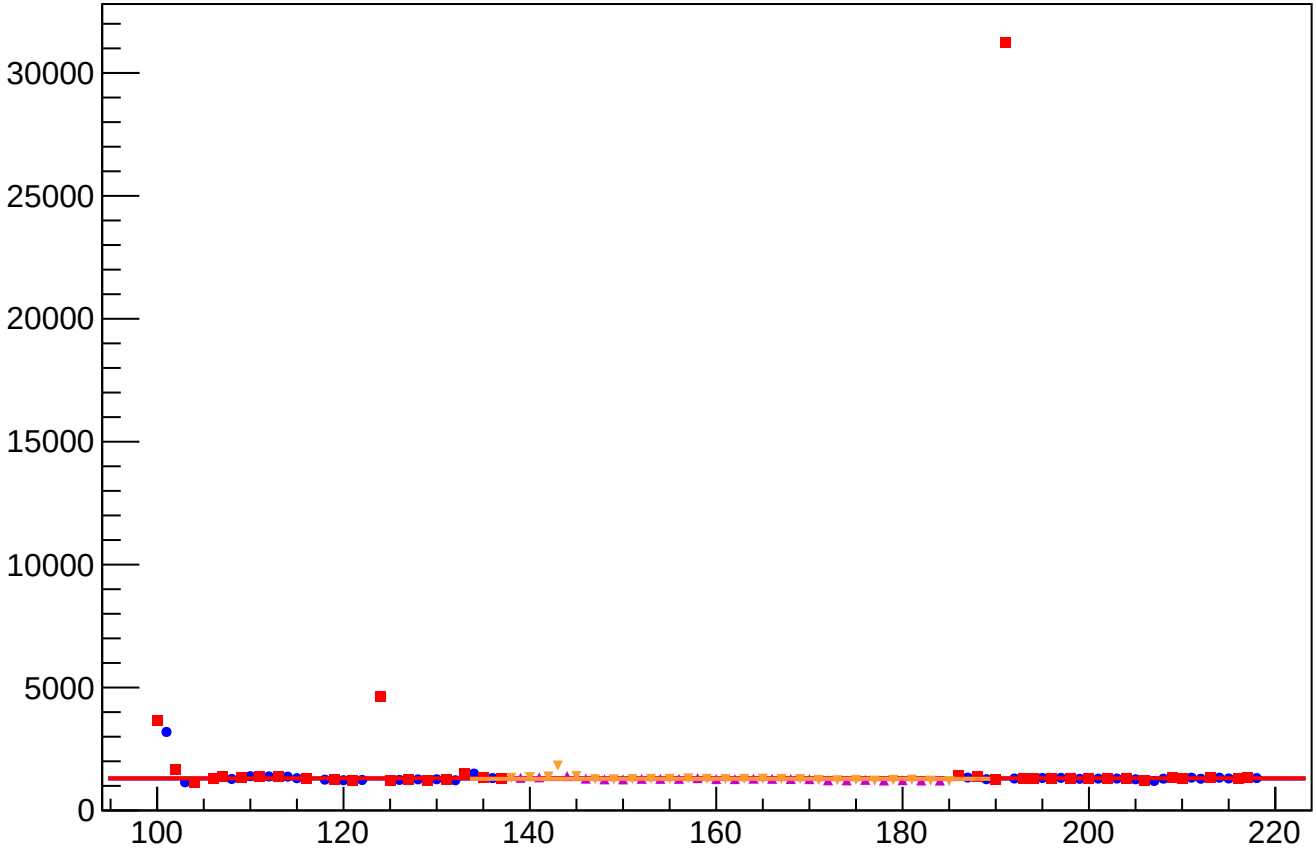
Left In: -2519.366+/-298.095 χ^2/NDF:22.5/22

+ sign 1897.055+/-206.403 χ^2/NDF: 55.7/56

All: -66.677+/-146.778 χ^2/NDF: 300.0/115

- sign -2075.663+/-208.768 χ^2/NDF: 61.2/58

eigen_cor_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1298.831+/-0.206 χ^2/NDF: 535224.4/31

Left Out: 1285.649+/-0.207 χ^2/NDF:191027.3/24

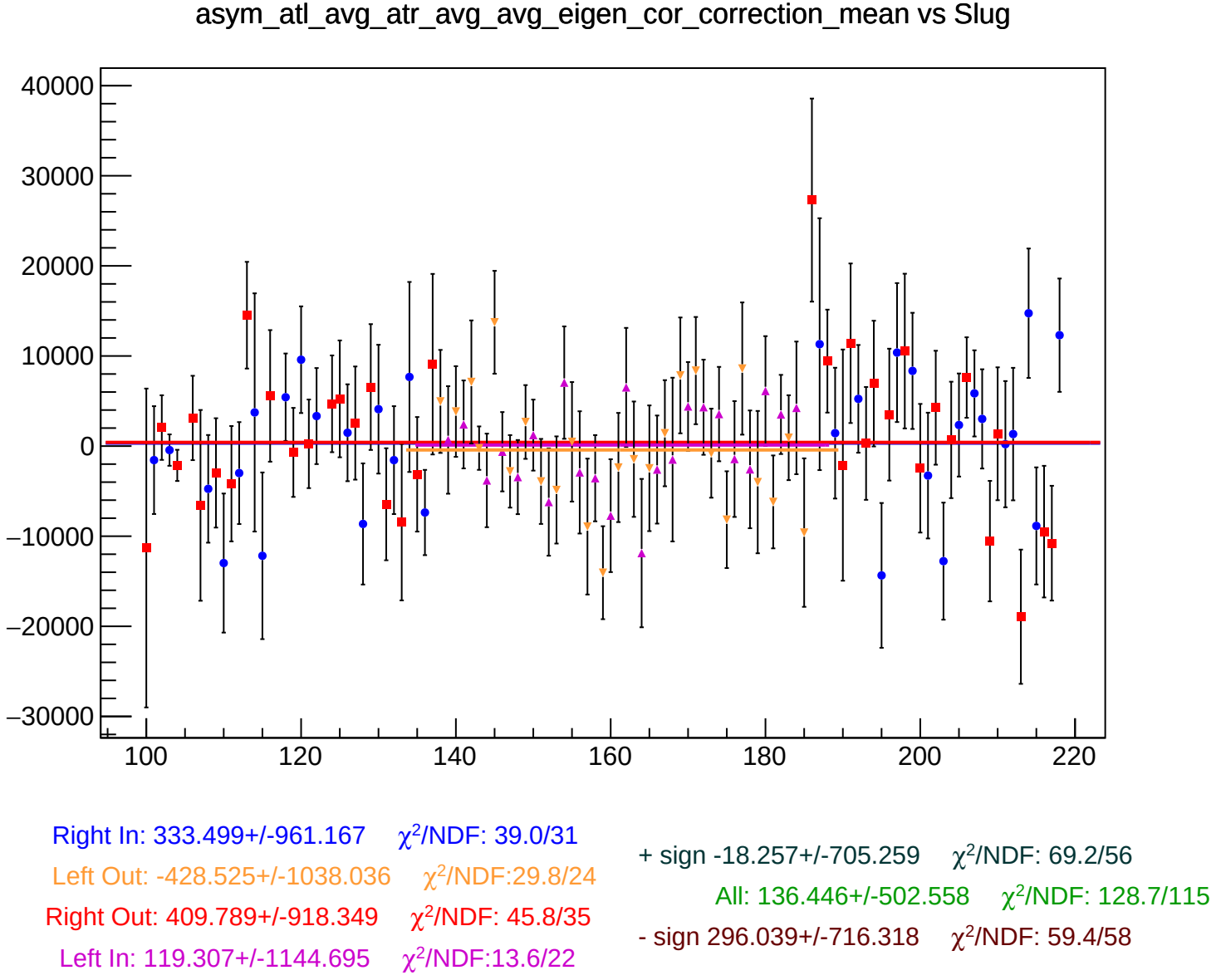
Right Out: 1308.924+/-0.207 χ^2/NDF: 506420.0/35

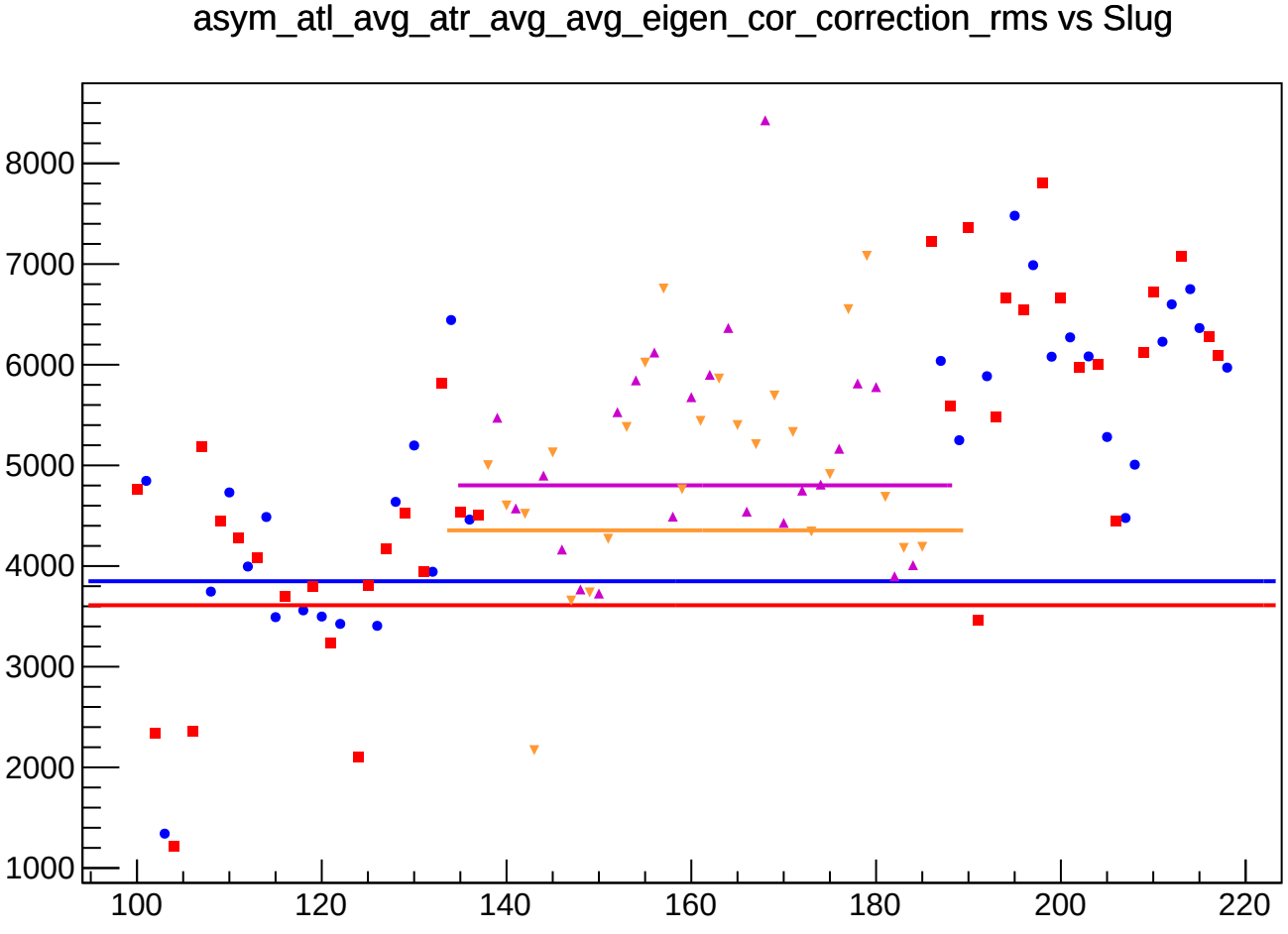
Left In: 1275.941+/-0.211 χ^2/NDF:41399.0/22

+ sign 1292.280+/-0.146 χ^2/NDF: 728291.0/56

All: 1292.516+/-0.104 χ^2/NDF: 1288599.4/11

- sign 1292.757+/-0.148 χ^2/NDF: 560303.1/58


asym_atl_avg_atr_avg_avg_eigen_cor_correction_mean vs Slug
40000
30000
20000
10000
0
−10000
−20000
−30000
100
120
140
160
180
200
220
Right In: 333.499+/-961.167 χ²/NDF: 39.0/31
Left Out: -428.525+/-1038.036 χ²/NDF:29.8/24
Right Out: 409.789+/-918.349 χ²/NDF: 45.8/35
Left In: 119.307+/-1144.695 χ²/NDF:13.6/22
+ sign -18.257+/-705.259 χ²/NDF: 69.2/56
All: 136.446+/-502.558 χ²/NDF: 128.7/115
- sign 296.039+/-716.318 χ²/NDF: 59.4/58



Right In: 3849.280+/-0.680 χ^2/NDF: 7957902.7/31

Left Out: 4354.511+/-0.734 χ^2/NDF:3071528.5/24

Right Out: 3610.650+/-0.649 χ^2/NDF: 9382822.3/35

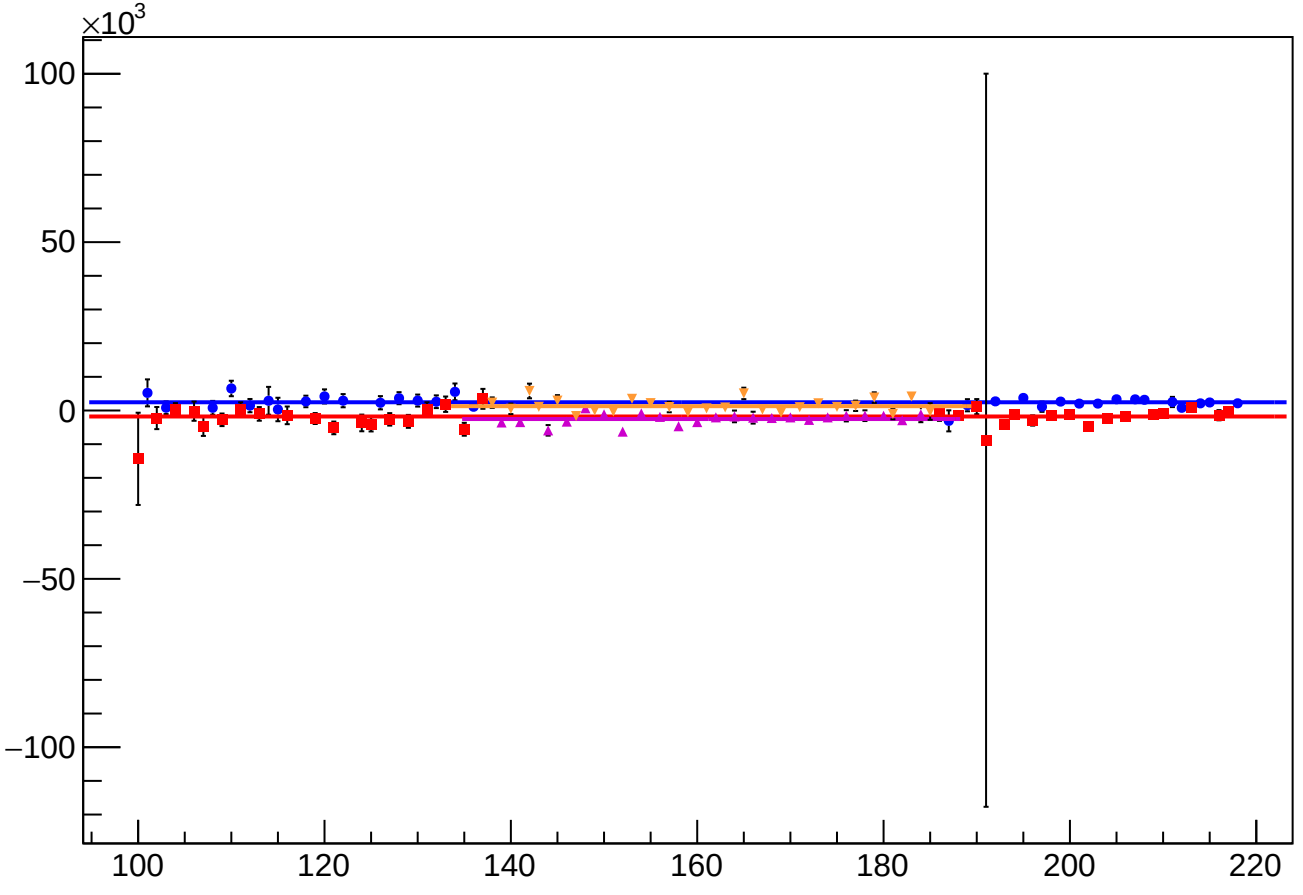
Left In: 4801.570+/-0.809 χ^2/NDF:1231894.6/22

+ sign 4082.498+/-0.499 χ^2/NDF: 11284516.6/56

All: 4079.793+/-0.355 χ^2/NDF: 23216372.6/1

- sign 4077.003+/-0.507 χ^2/NDF: 11931796.2/58

dit_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2446.756+/-297.935 χ^2/NDF: 17.0/31

Left Out: 1284.422+/-300.530 χ^2/NDF:33.4/24

Right Out: -1778.035+/-298.285 χ^2/NDF: 36.0/35

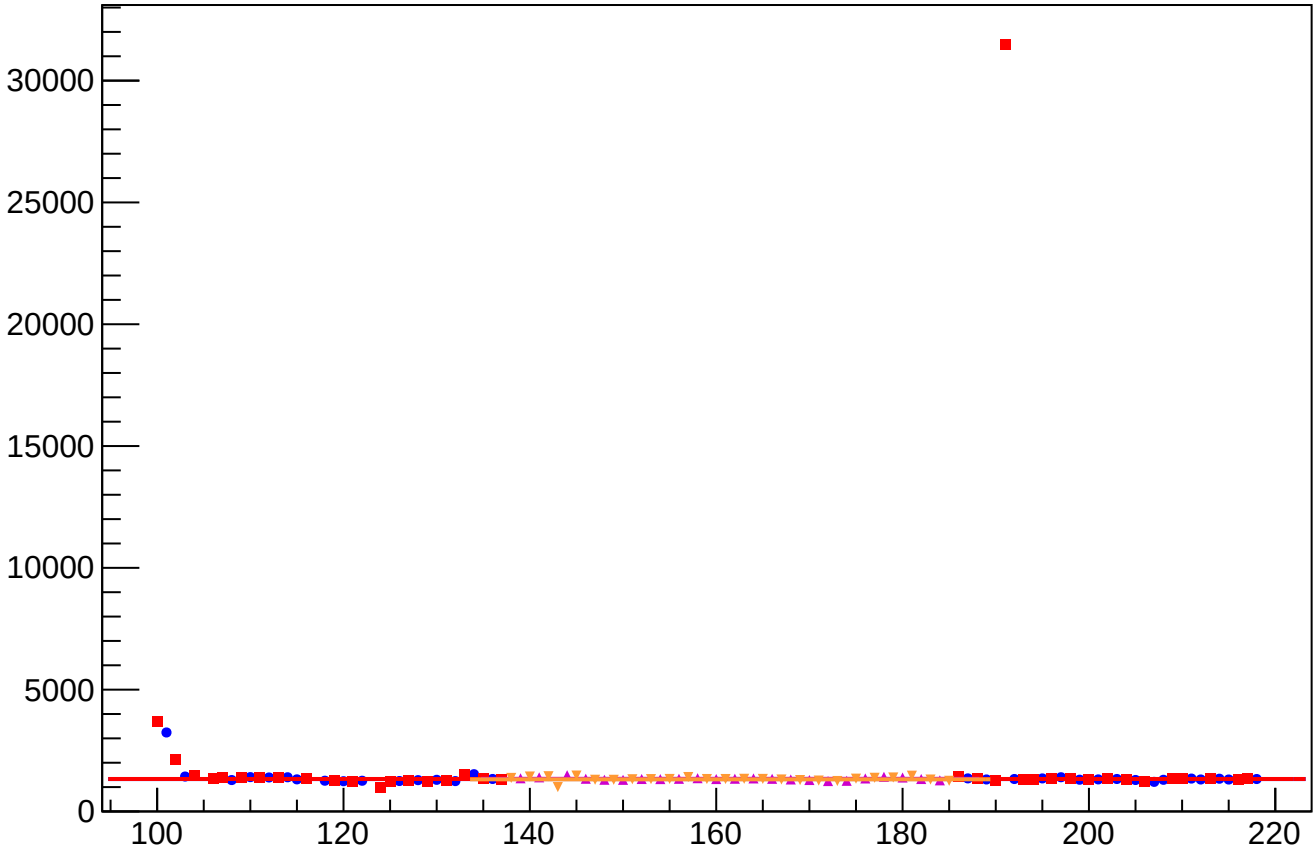
Left In: -2531.791+/-312.886 χ^2/NDF:25.0/22

+ sign 1870.627+/-211.583 χ^2/NDF: 58.0/56

All: -92.711+/-151.114 χ^2/NDF: 297.8/115

- sign -2136.915+/-215.897 χ^2/NDF: 64.1/58

dit_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1329.498+/-0.211 χ^2/NDF: 523413.9/31

Left Out: 1318.174+/-0.213 χ^2/NDF:248547.7/24

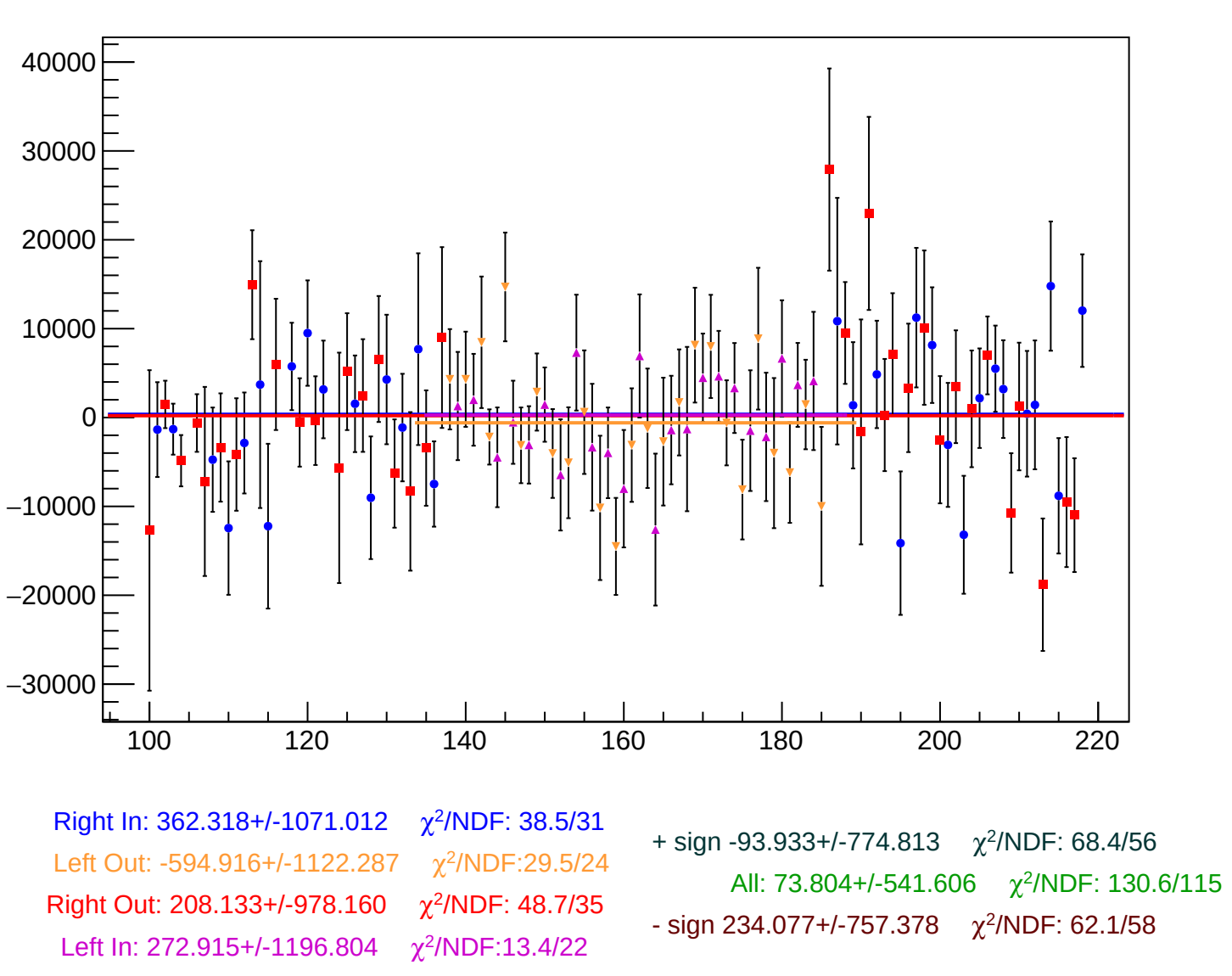
Right Out: 1333.281+/-0.211 χ^2/NDF: 448756.3/35

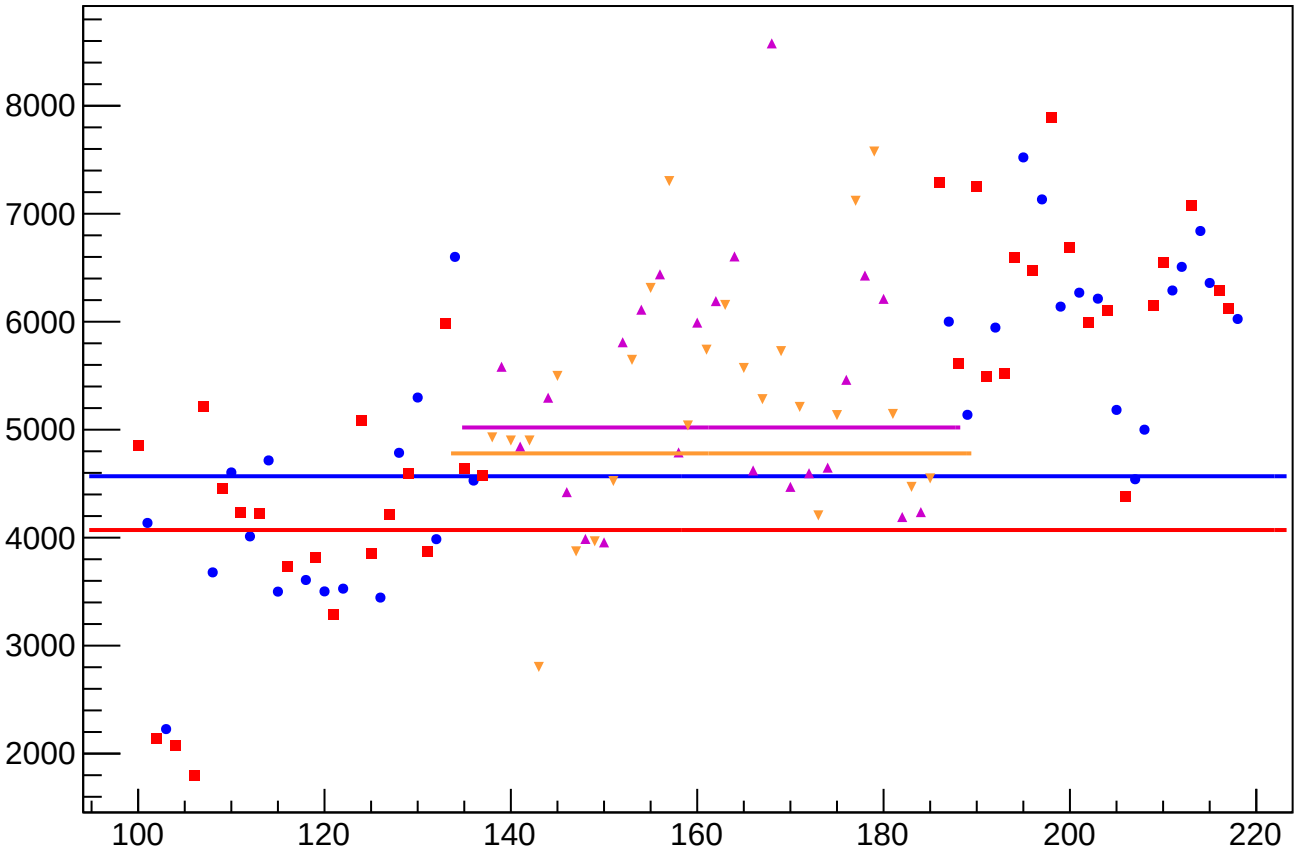
Left In: 1338.602+/-0.221 χ^2/NDF:54248.5/22

+ sign 1323.885+/-0.150 χ^2/NDF: 773393.5/56

All: 1329.730+/-0.107 χ^2/NDF: 1279816.2/11

- sign 1335.814+/-0.153 χ^2/NDF: 503307.9/58


asym_atl_avg_atr_avg_avg_dit_correction_mean vs Slug
40000
30000
20000
10000
0
−10000
−20000
−30000
100
120
140
160
180
200
220
Right In: 362.318+/-1071.012 χ²/NDF: 38.5/31
Left Out: -594.916+/-1122.287 χ²/NDF:29.5/24
Right Out: 208.133+/-978.160 χ²/NDF: 48.7/35
Left In: 272.915+/-1196.804 χ²/NDF:13.4/22
+ sign -93.933+/-774.813 χ²/NDF: 68.4/56
All: 73.804+/-541.606 χ²/NDF: 130.6/115
- sign 234.077+/-757.378 χ²/NDF: 62.1/58



Right In: 4568.841+/-0.757 χ^2/NDF: 3574556.4/31

Left Out: 4780.396+/-0.794 χ^2/NDF:2006245.3/24

Right Out: 4070.754+/-0.692 χ^2/NDF: 6467228.3/35

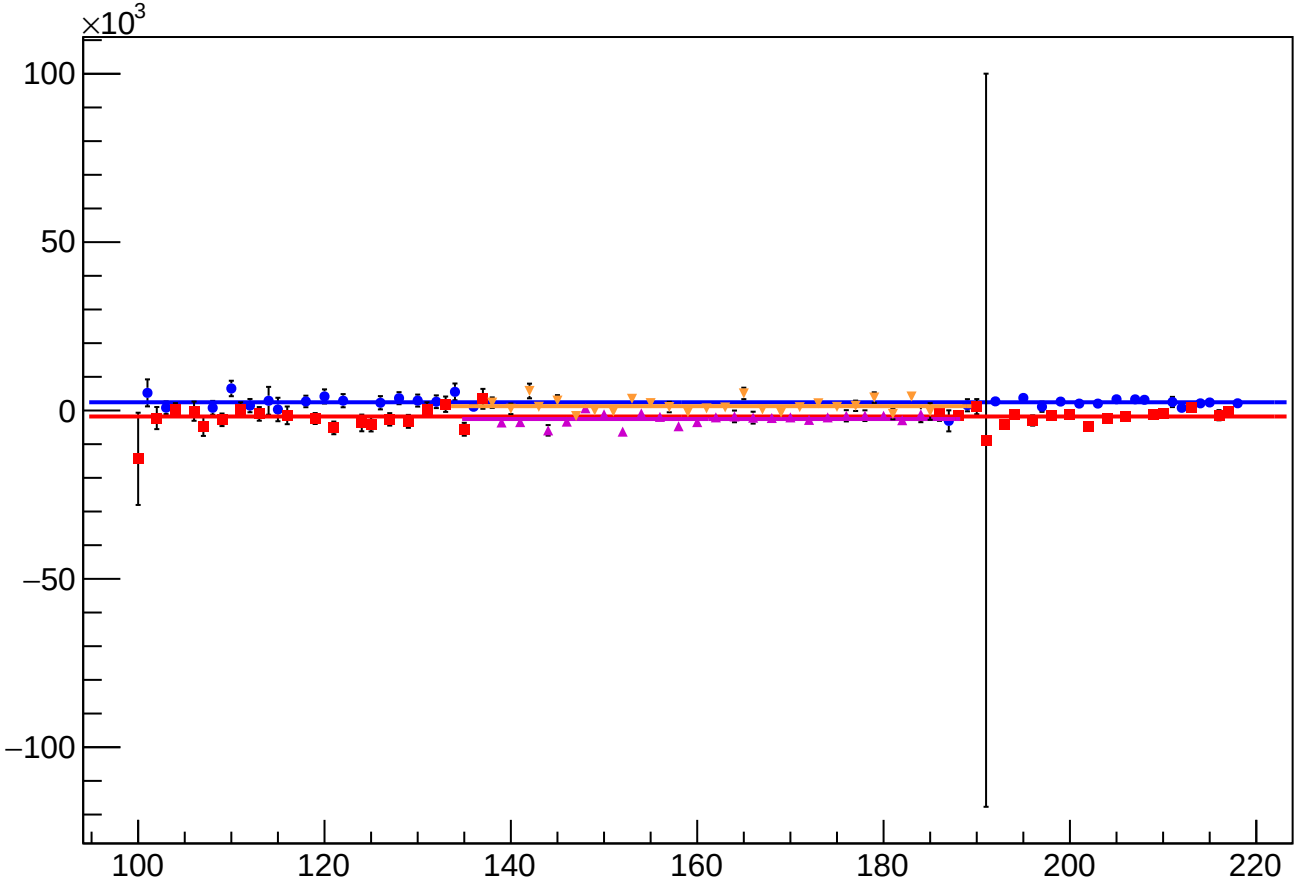
Left In: 5020.560+/-0.846 χ^2/NDF:1225091.9/22

+ sign 4669.675+/-0.548 χ^2/NDF: 5617995.7/56

All: 4557.916+/-0.383 χ^2/NDF: 14146878.5/1

- sign 4451.131+/-0.536 χ^2/NDF: 8447513.6/58

eigen_dit_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2446.752+/-297.935 χ^2/NDF: 17.0/31

Left Out: 1284.416+/-300.530 χ^2/NDF:33.4/24

Right Out: -1778.034+/-298.284 χ^2/NDF: 36.0/35

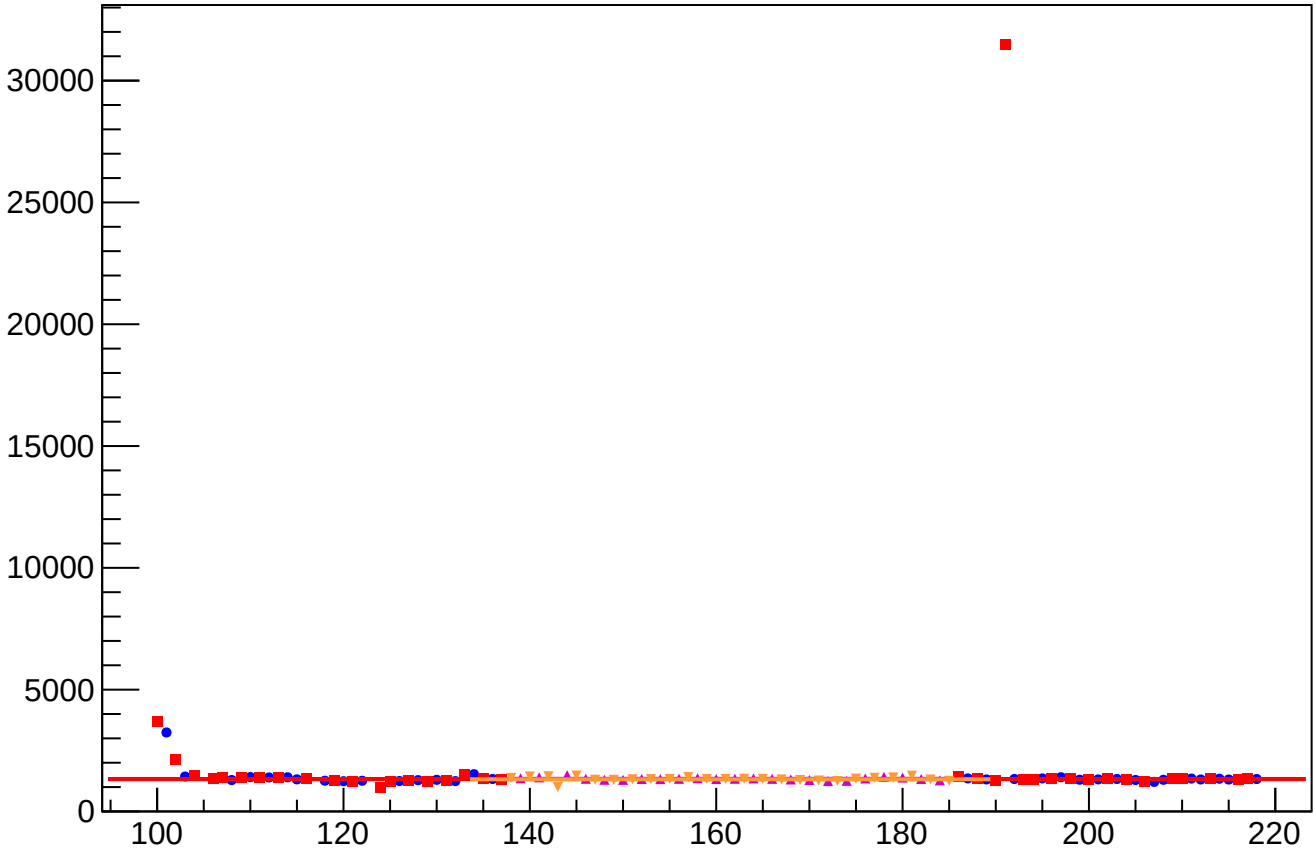
Left In: -2531.791+/-312.887 χ^2/NDF:25.0/22

+ sign 1870.624+/-211.583 χ^2/NDF: 58.0/56

All: -92.713+/-151.114 χ^2/NDF: 297.8/115

- sign -2136.914+/-215.897 χ^2/NDF: 64.1/58

eigen_dit_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1329.497+/-0.211 χ^2/NDF: 523414.0/31

Left Out: 1318.176+/-0.213 χ^2/NDF:248550.2/24

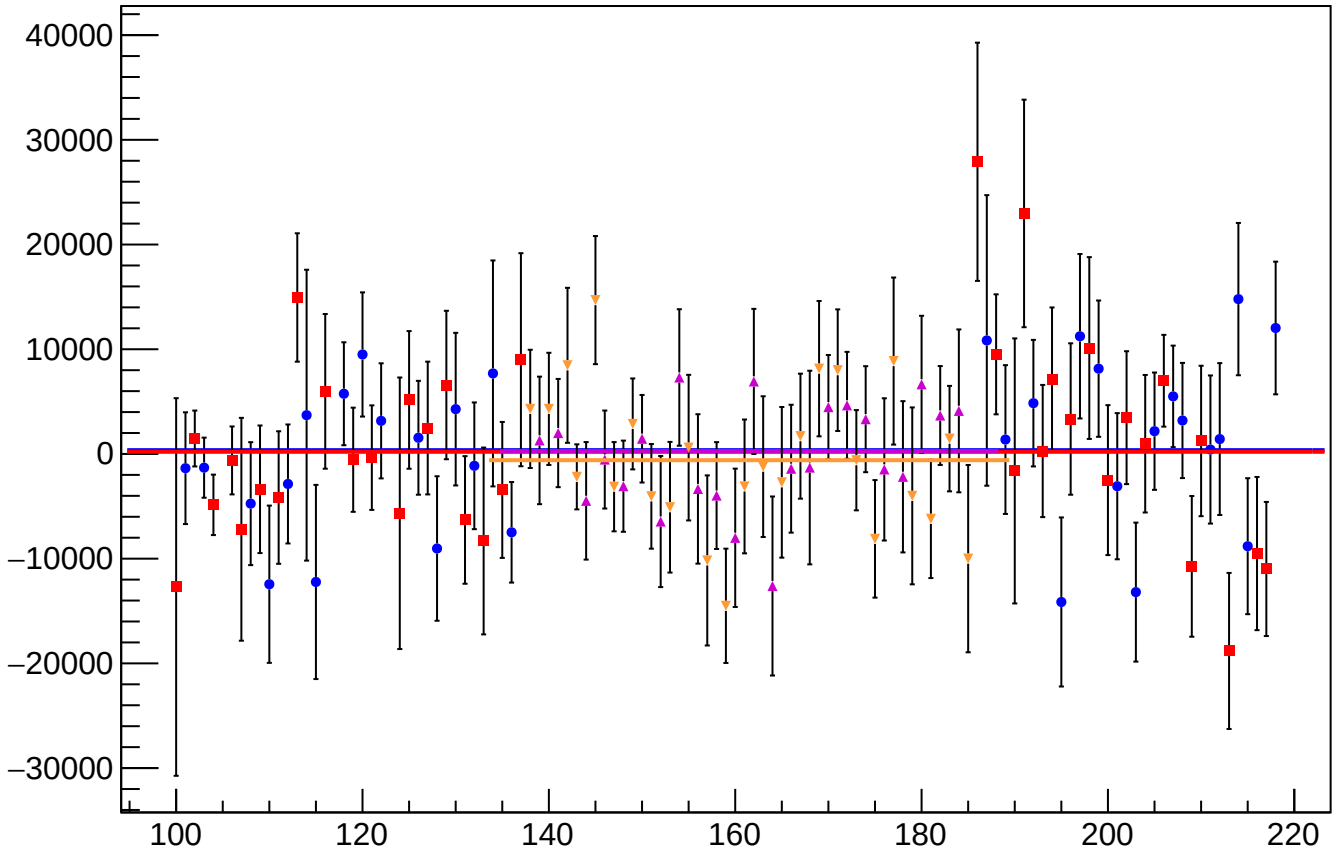
Right Out: 1333.280+/-0.211 χ^2/NDF: 448755.3/35

Left In: 1338.604+/-0.221 χ^2/NDF:54251.0/22

+ sign 1323.886+/-0.150 χ^2/NDF: 773395.8/56

All: 1329.730+/-0.107 χ^2/NDF: 1279820.2/11

- sign 1335.814+/-0.153 χ^2/NDF: 503309.6/58



Right In: 362.318+/-1071.011 χ^2/NDF: 38.5/31

Left Out: -594.920+/-1122.288 χ^2/NDF:29.5/24

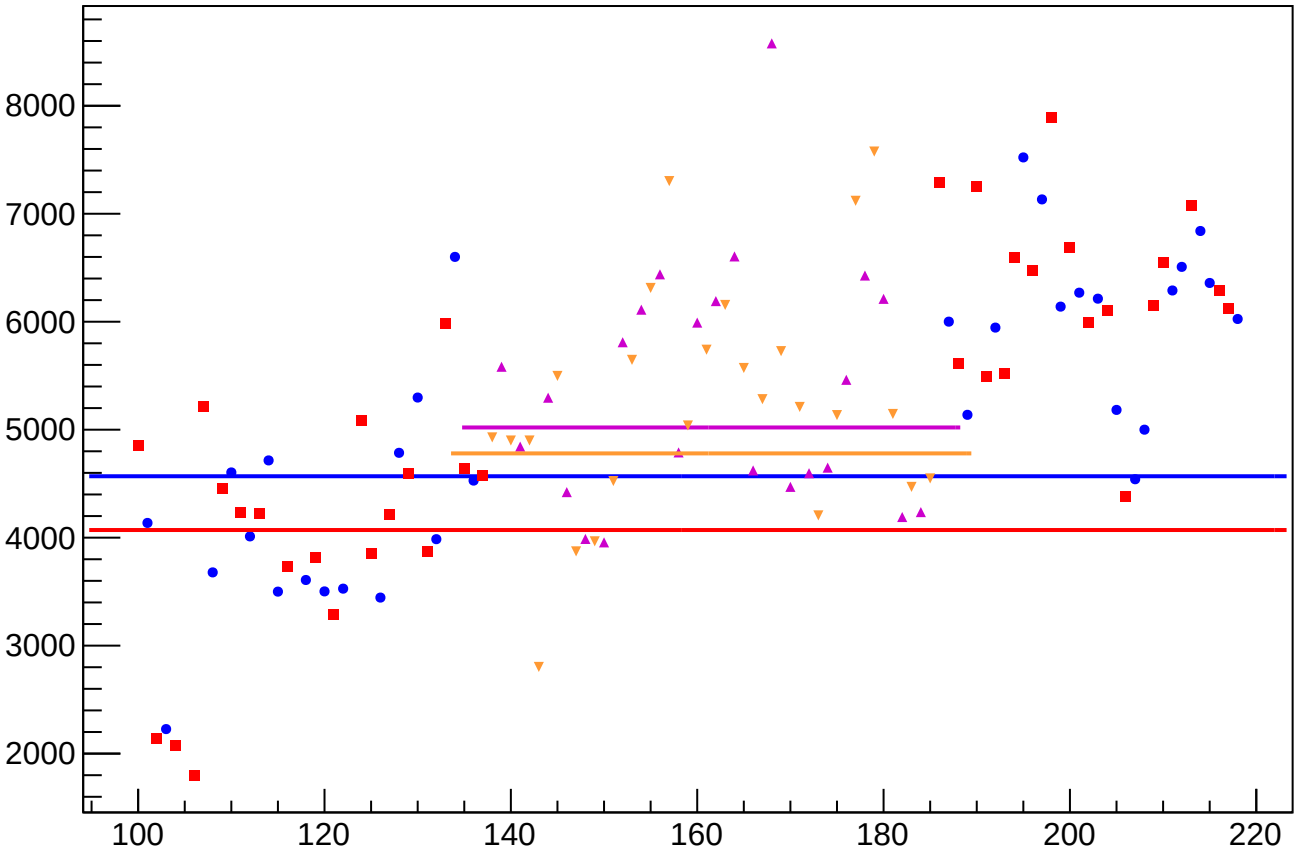
Right Out: 208.130+/-978.159 χ^2/NDF: 48.7/35

Left In: 272.917+/-1196.806 χ^2/NDF:13.4/22

+ sign -93.934+/-774.813 χ^2/NDF: 68.4/56

All: 73.803+/-541.606 χ^2/NDF: 130.6/115

- sign 234.075+/-757.378 χ^2/NDF: 62.1/58



Right In: 4568.836+/-0.757 χ^2/NDF: 3574595.0/31

Left Out: 4780.404+/-0.794 χ^2/NDF:2006246.8/24

Right Out: 4070.746+/-0.692 χ^2/NDF: 6467276.1/35

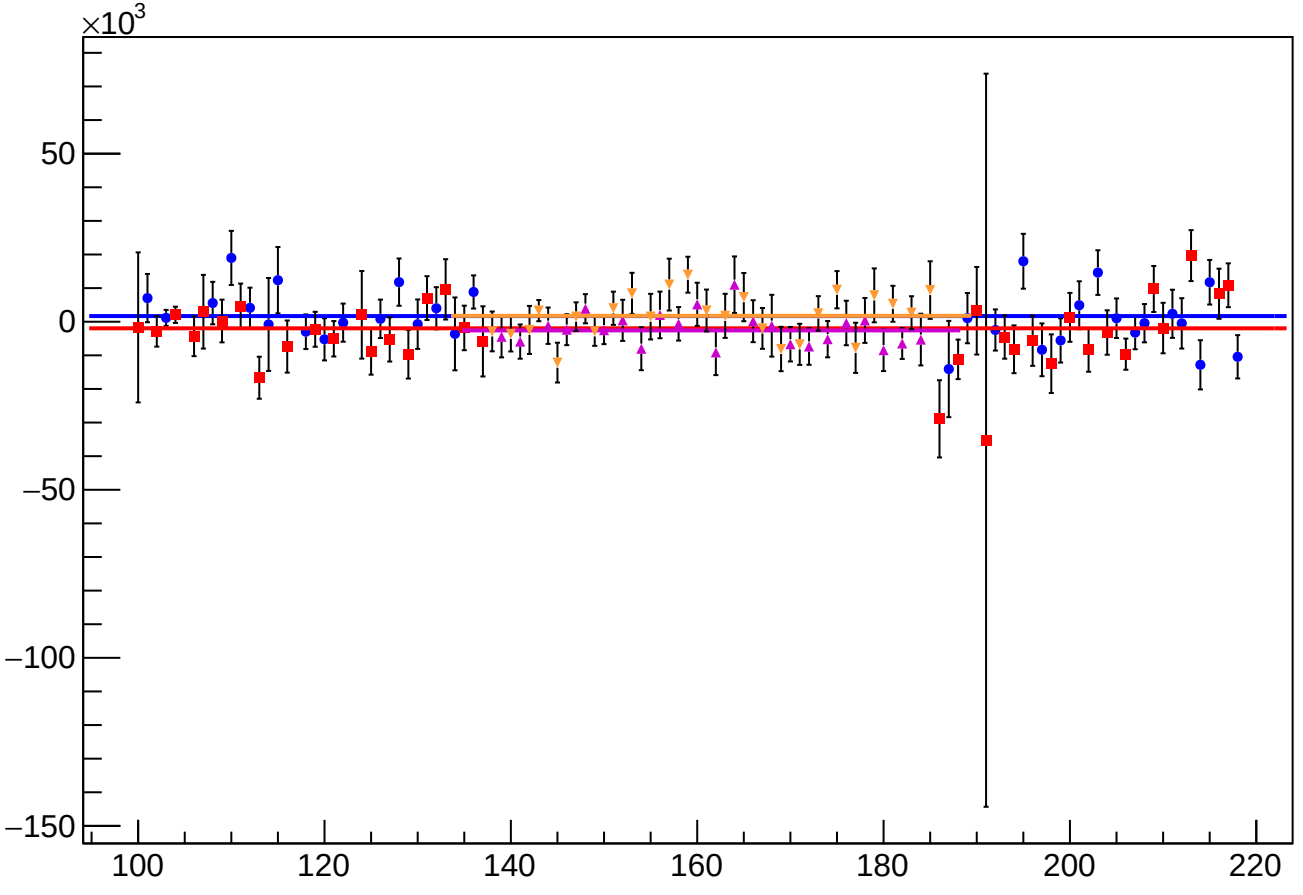
Left In: 5020.567+/-0.846 χ^2/NDF:1225095.5/22

+ sign 4669.676+/-0.548 χ^2/NDF: 5618040.3/56

All: 4557.915+/-0.383 χ^2/NDF: 14147001.4/1

- sign 4451.127+/-0.536 χ^2/NDF: 8447589.2/58

asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 1681.377+/-1073.804 χ^2/NDF: 37.3/31

Left Out: 1761.683+/-1116.232 χ^2/NDF:27.7/24

Right Out: -1960.372+/-1061.698 χ^2/NDF: 48.5/35

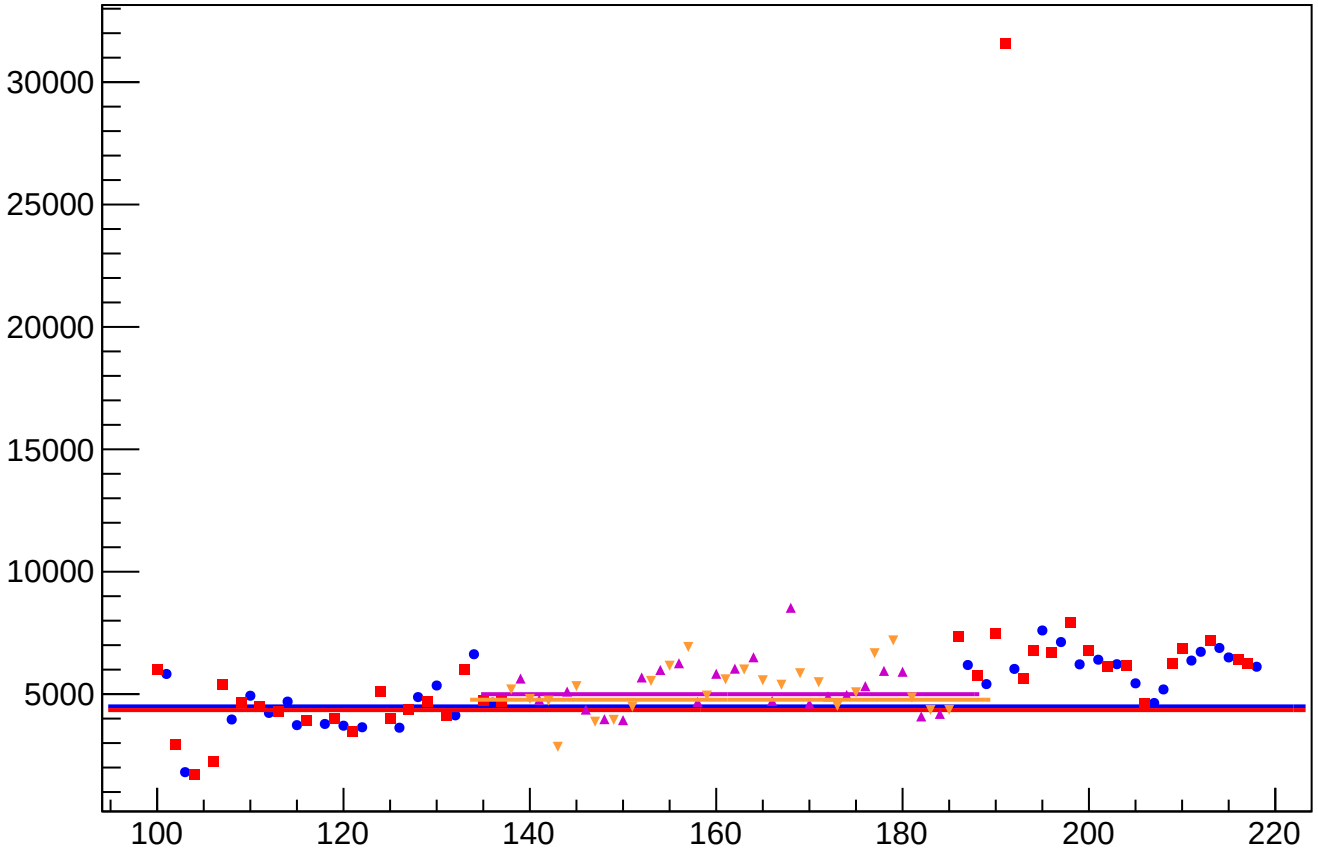
Left In: -2579.960+/-1188.448 χ^2/NDF:13.3/22

+ sign 1719.975+/-773.859 χ^2/NDF: 65.0/56

All: -212.463+/-553.424 χ^2/NDF: 139.7/115

- sign -2235.375+/-791.767 χ^2/NDF: 62.0/58

asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 4497.567+/-0.759 χ^2/NDF: 4956660.0/31

Left Out: 4771.181+/-0.789 χ^2/NDF:1787082.6/24

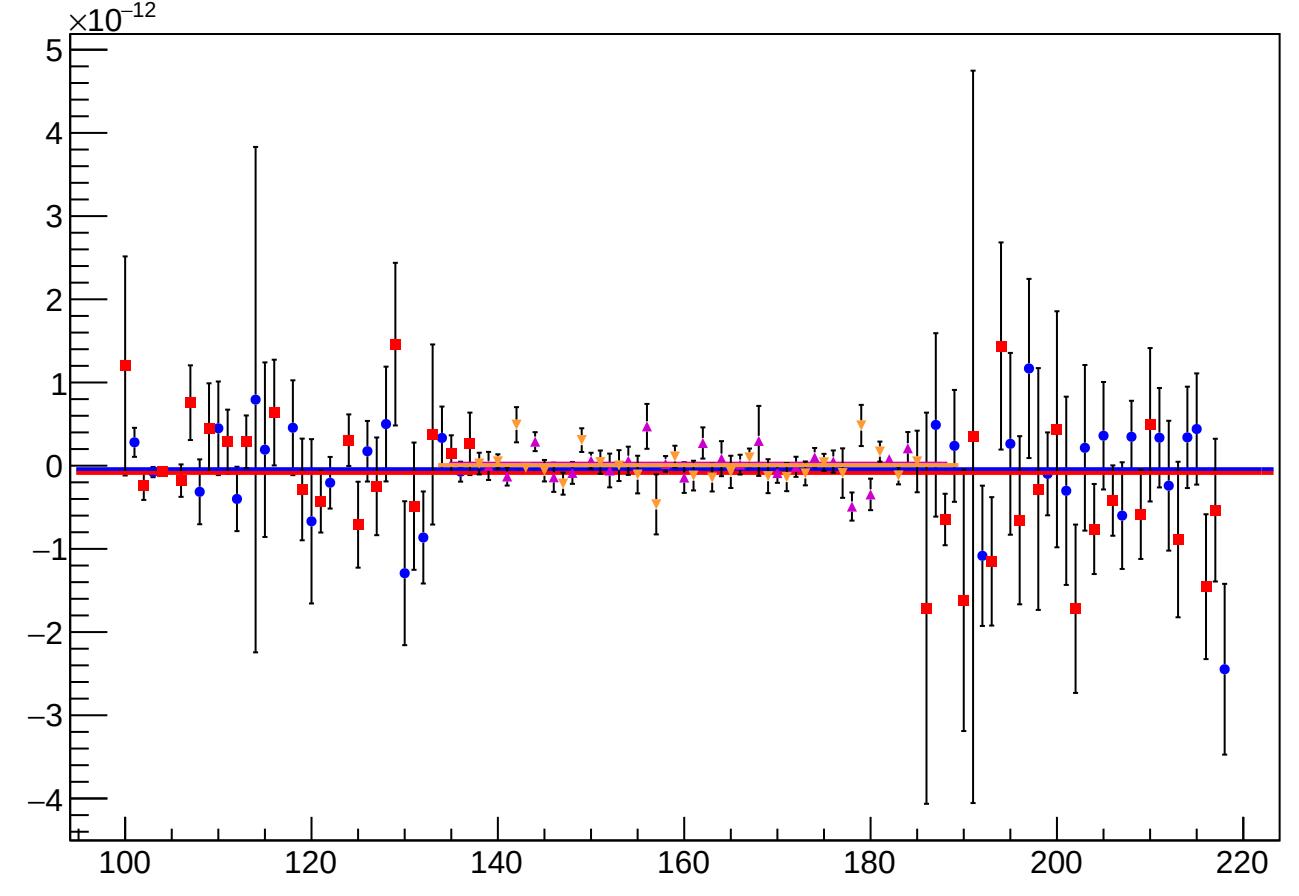
Right Out: 4345.903+/-0.744 χ^2/NDF: 6041346.2/35

Left In: 4996.720+/-0.840 χ^2/NDF:1095876.8/22

+ sign 4629.074+/-0.547 χ^2/NDF: 6806155.3/56

All: 4630.495+/-0.390 χ^2/NDF: 14279537.0/1

- sign 4631.968+/-0.557 χ^2/NDF: 7473368.0/58



Right In: -0.000+/-0.000 χ^2/NDF: 26.0/31

Left Out: 0.000+/-0.000 χ^2/NDF:27.1/24

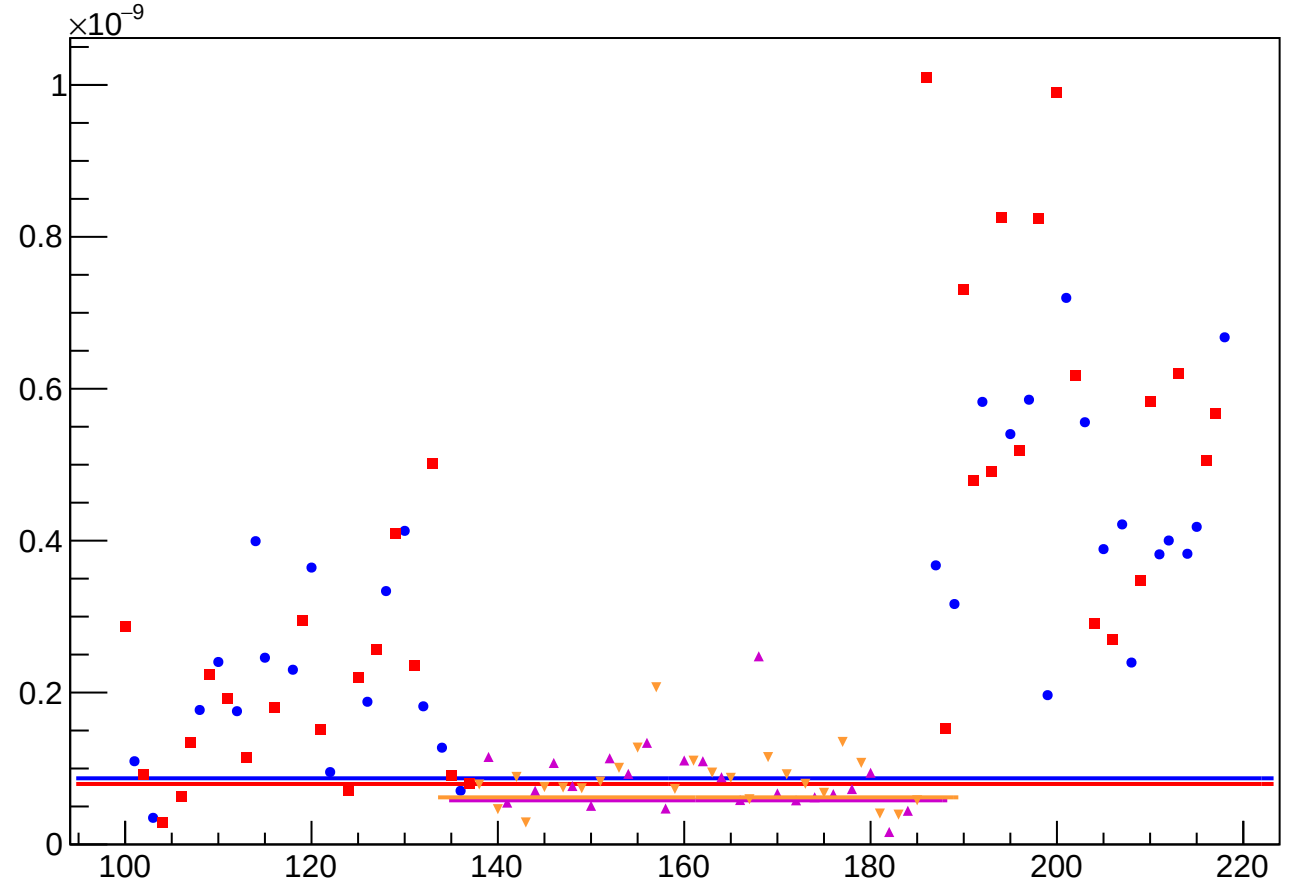
Right Out: -0.000+/-0.000 χ^2/NDF: 37.4/35

Left In: 0.000+/-0.000 χ^2/NDF:31.7/22

+ sign -0.000+/-0.000 χ^2/NDF: 53.9/56

All: -0.000+/-0.000 χ^2/NDF: 127.4/115

- sign -0.000+/-0.000 χ^2/NDF: 73.5/58



Right In: 0.000+/-0.000 χ^2/NDF: 9641981.3/31

Left Out: 0.000+/-0.000 χ^2/NDF:2443383.4/24

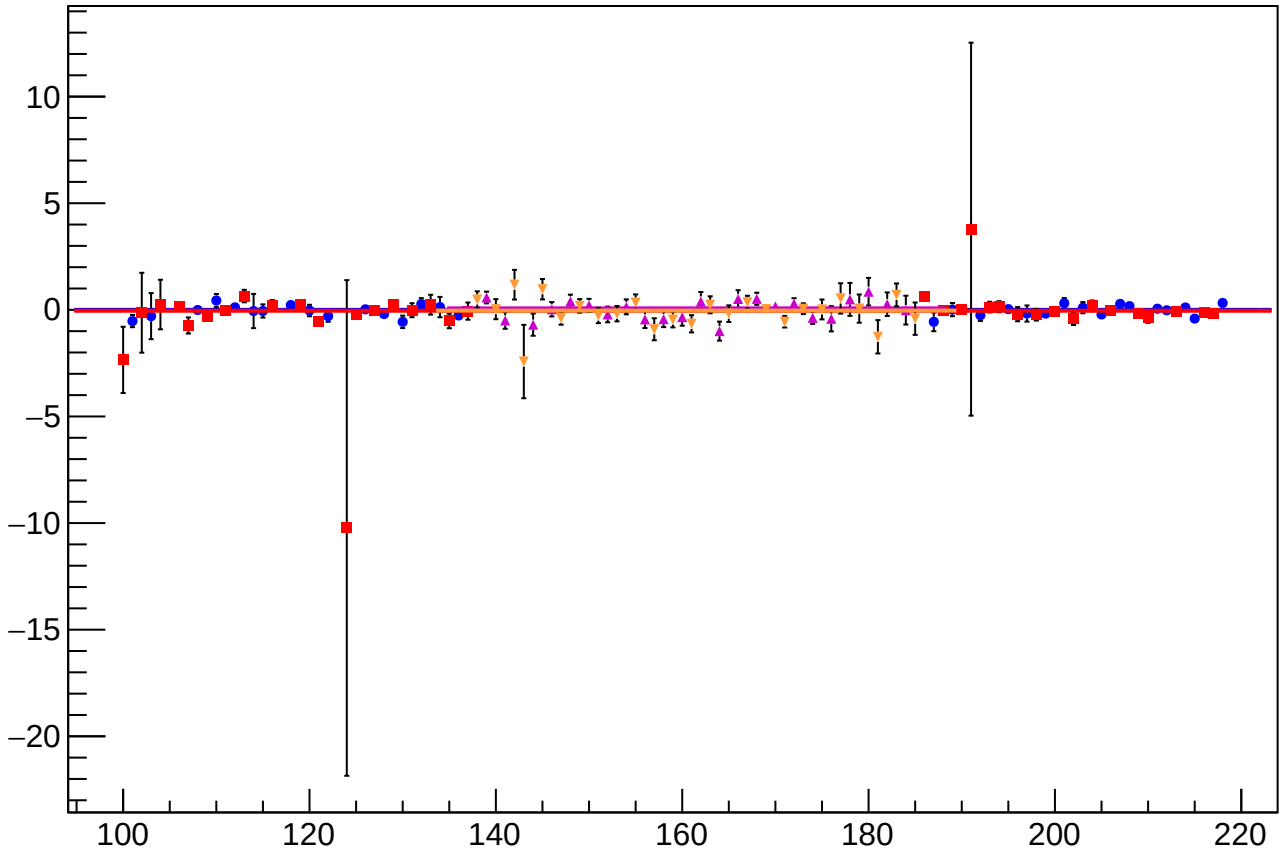
Right Out: 0.000+/-0.000 χ^2/NDF: 11214340.3/35

Left In: 0.000+/-0.000 χ^2/NDF:2966562.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 12524762.1/56

All: 0.000+/-0.000 χ^2/NDF: 27077047.0/115

- sign 0.000+/-0.000 χ^2/NDF: 14512983.4/58



Right In: -0.001+/-0.040 χ^2/NDF: 39.2/31

Left Out: -0.035+/-0.077 χ^2/NDF:32.5/24

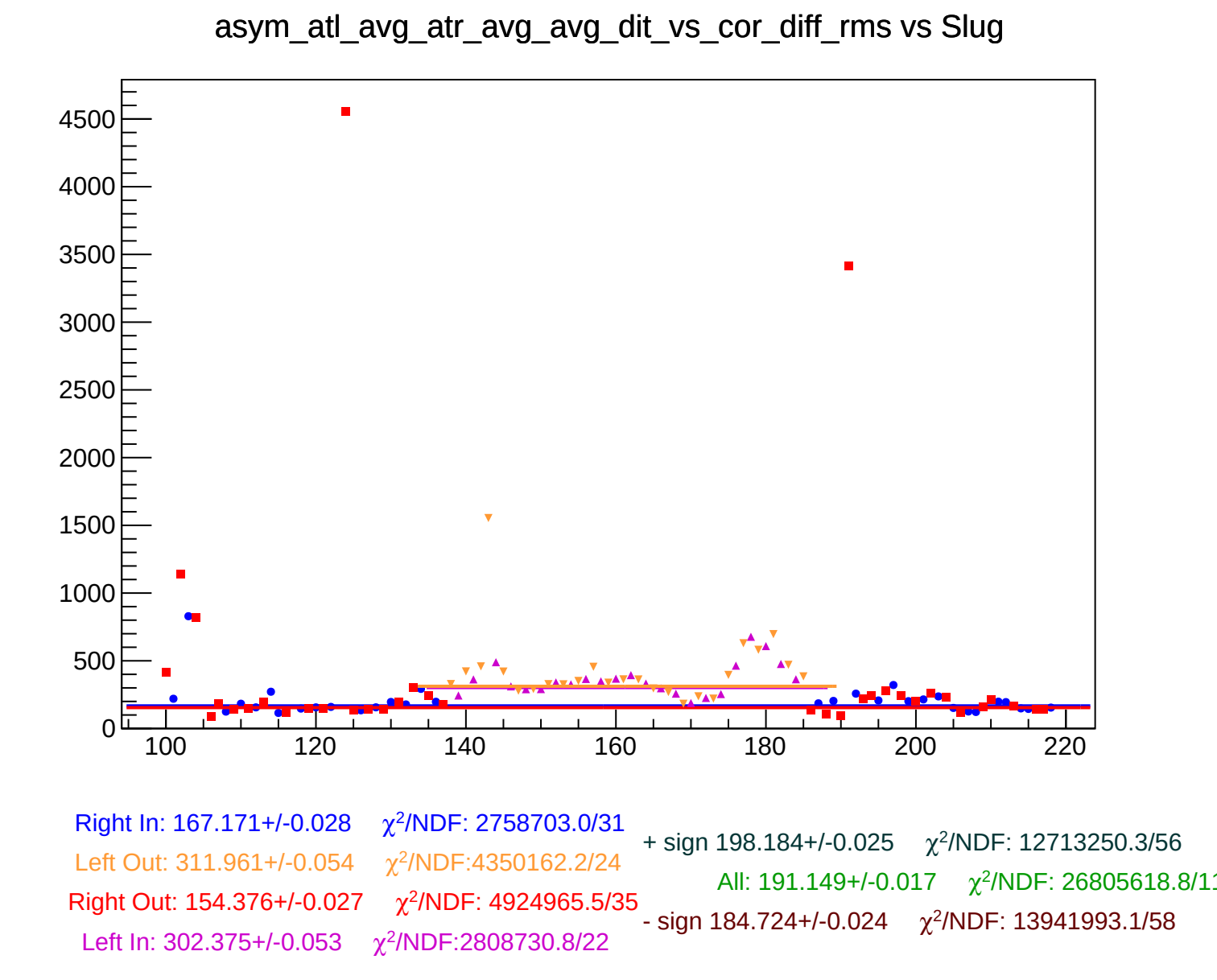
Right Out: -0.042+/-0.038 χ^2/NDF: 44.1/35

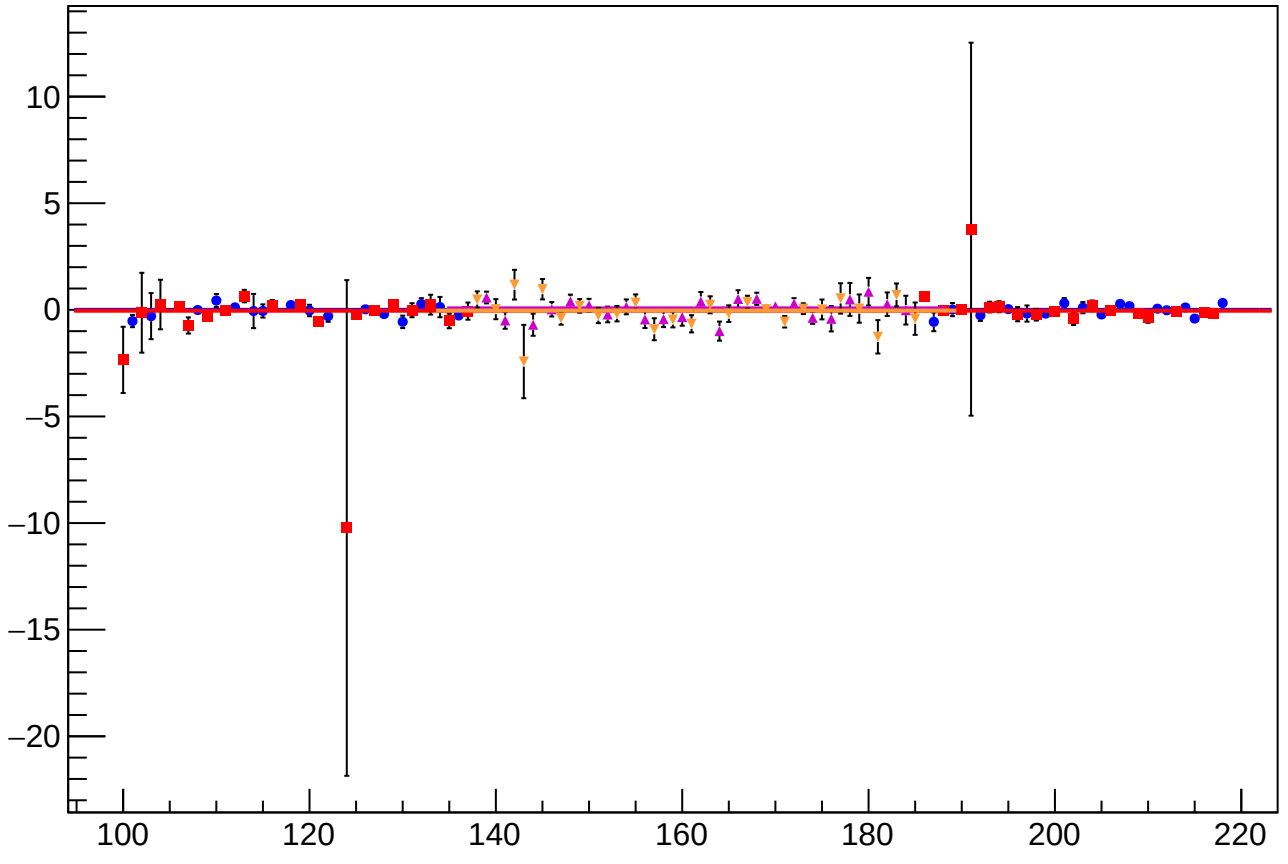
Left In: 0.069+/-0.075 χ^2/NDF:29.9/22

+ sign -0.008+/-0.035 χ^2/NDF: 71.9/56

All: -0.014+/-0.025 χ^2/NDF: 147.7/115

- sign -0.019+/-0.034 χ^2/NDF: 75.8/58


asym_atl_avg_atr_avg_avg_dit_vs_cor_diff_rms vs Slug
4500
4000
3500
3000
2500
2000
1500
1000
500
0
100
120
140
160
180
200
220
Right In: 167.171+/-0.028 χ²/NDF: 2758703.0/31
Left Out: 311.961+/-0.054 χ²/NDF:4350162.2/24
Right Out: 154.376+/-0.027 χ²/NDF: 4924965.5/35
Left In: 302.375+/-0.053 χ²/NDF:2808730.8/22
+ sign 198.184+/-0.025 χ²/NDF: 12713250.3/56
All: 191.149+/-0.017 χ²/NDF: 26805618.8/11
- sign 184.724+/-0.024 χ²/NDF: 13941993.1/58



Right In: -0.001+/-0.040 χ^2/NDF: 39.2/31

Left Out: -0.035+/-0.077 χ^2/NDF:32.5/24

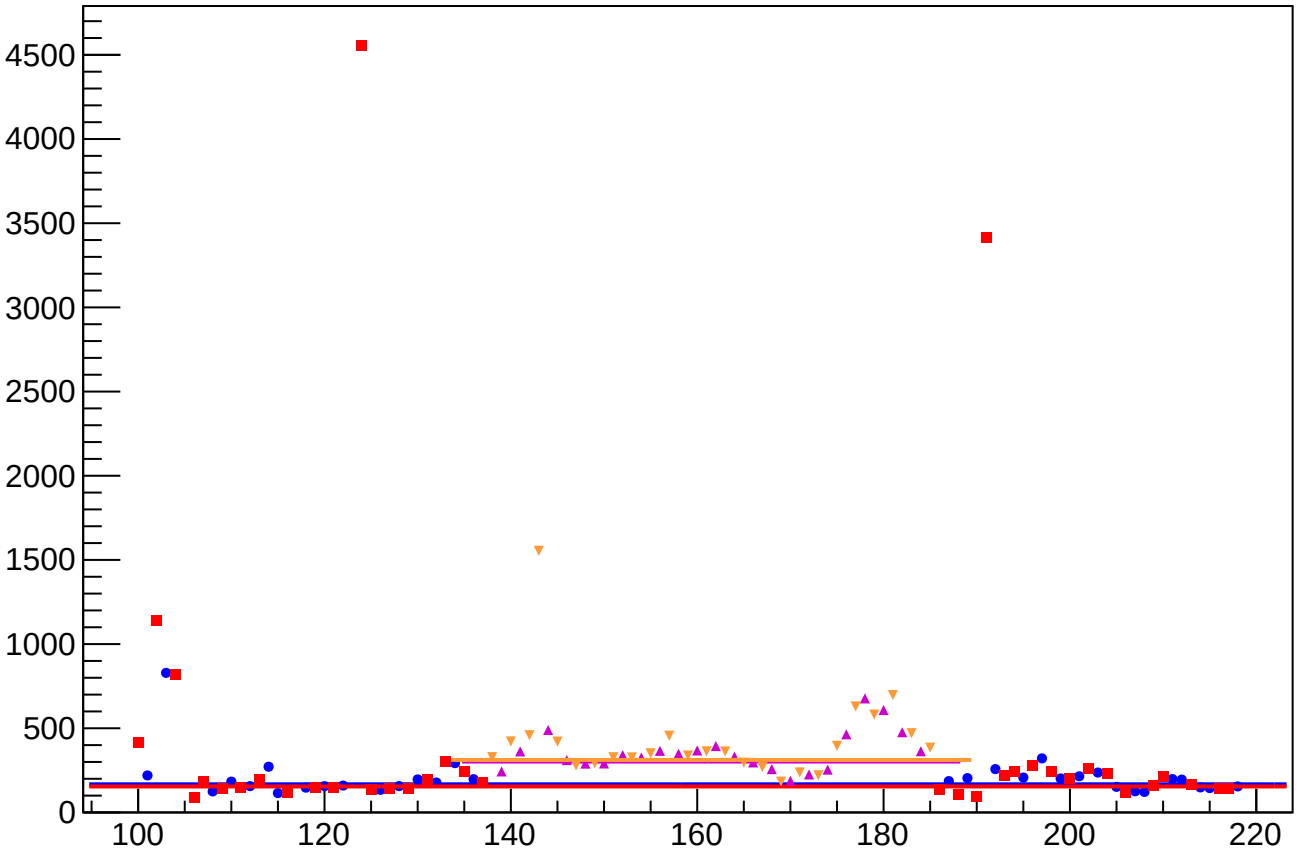
Right Out: -0.042+/-0.038 χ^2/NDF: 44.1/35

Left In: 0.069+/-0.075 χ^2/NDF:29.9/22

+ sign -0.008+/-0.035 χ^2/NDF: 71.9/56

All: -0.014+/-0.025 χ^2/NDF: 147.7/115

- sign -0.019+/-0.034 χ^2/NDF: 75.8/58



Right In: 167.171+/-0.028 χ^2/NDF: 2758703.0/31

Left Out: 311.961+/-0.054 χ^2/NDF:4350162.2/24

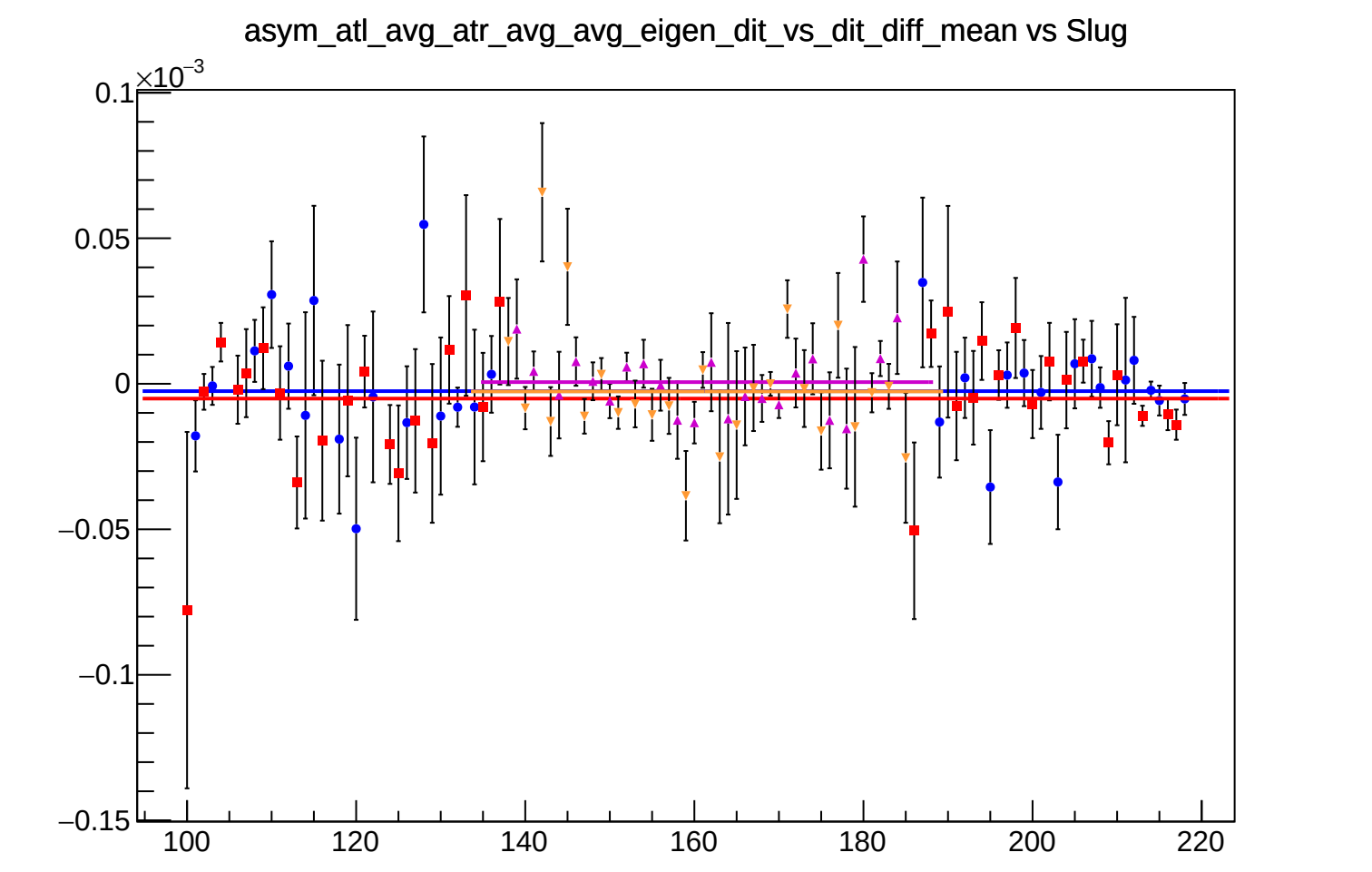
Right Out: 154.376+/-0.027 χ^2/NDF: 4924965.5/35

Left In: 302.375+/-0.053 χ^2/NDF:2808730.8/22

+ sign 198.184+/-0.025 χ^2/NDF: 12713250.3/56

All: 191.149+/-0.017 χ^2/NDF: 26805618.8/11

- sign 184.724+/-0.024 χ^2/NDF: 13941993.1/58



Right In: -0.000+/-0.000 χ^2/NDF: 27.0/31

Left Out: -0.000+/-0.000 χ^2/NDF:42.4/24

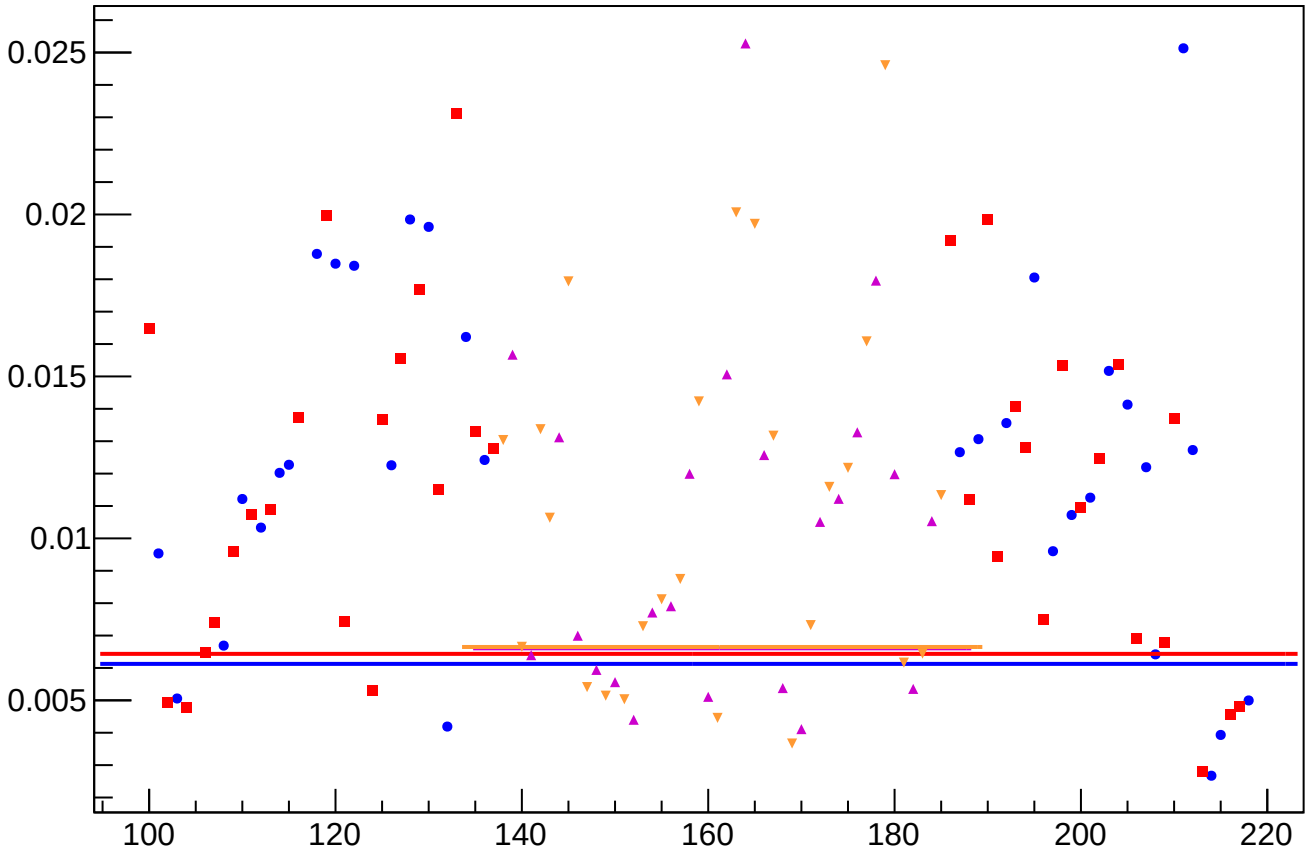
Right Out: -0.000+/-0.000 χ^2/NDF: 49.8/35

Left In: 0.000+/-0.000 χ^2/NDF:26.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 69.4/56

All: -0.000+/-0.000 χ^2/NDF: 151.4/115

- sign -0.000+/-0.000 χ^2/NDF: 82.0/58



Right In: 0.006+/-0.000 χ^2/NDF: 12408610.1/31

Left Out: 0.007+/-0.000 χ^2/NDF:7513935.6/24

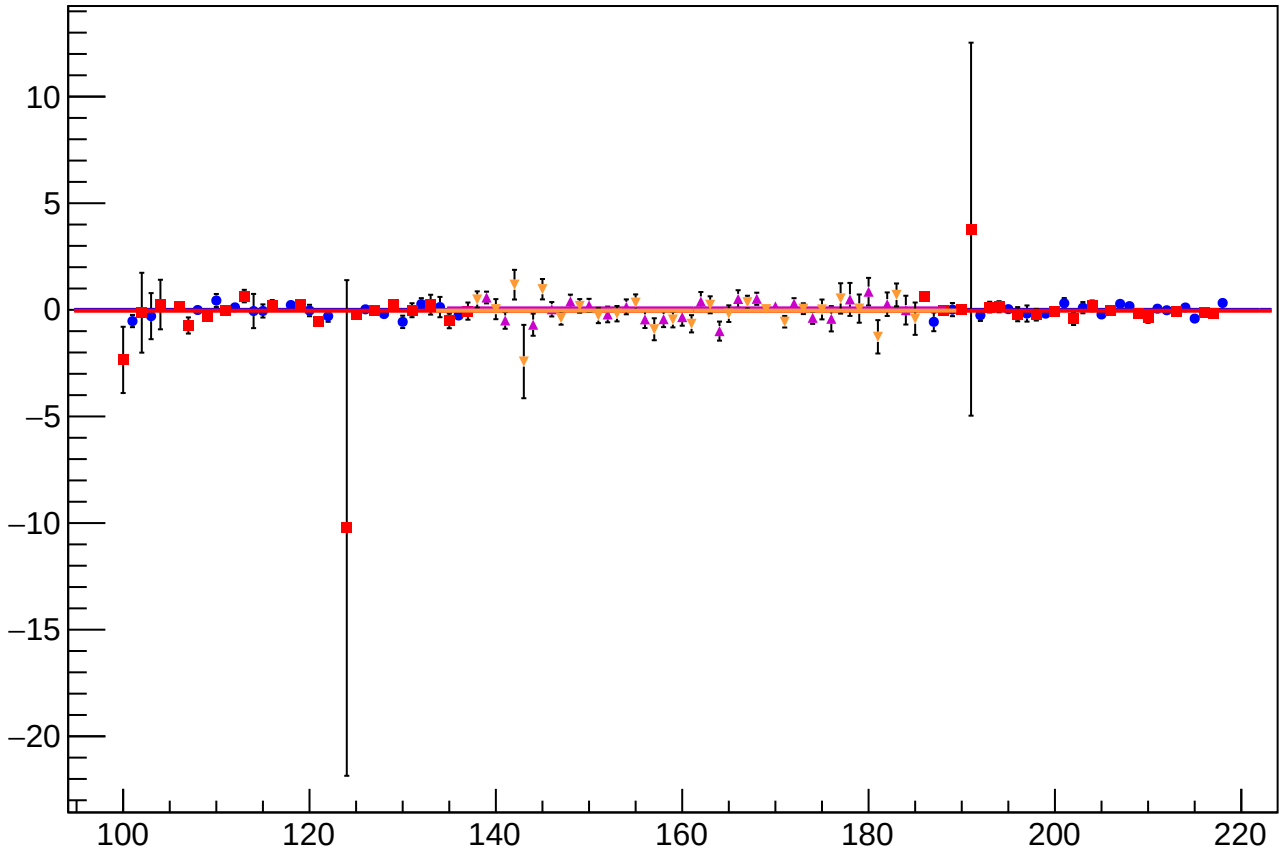
Right Out: 0.006+/-0.000 χ^2/NDF: 10000008.7/35

Left In: 0.007+/-0.000 χ^2/NDF:5855747.2/22

+ sign 0.006+/-0.000 χ^2/NDF: 20014635.5/56

All: 0.006+/-0.000 χ^2/NDF: 35892314.9/115

- sign 0.007+/-0.000 χ^2/NDF: 15865544.0/58



Right In: -0.001+/-0.040 χ^2/NDF: 39.2/31

Left Out: -0.035+/-0.077 χ^2/NDF:32.5/24

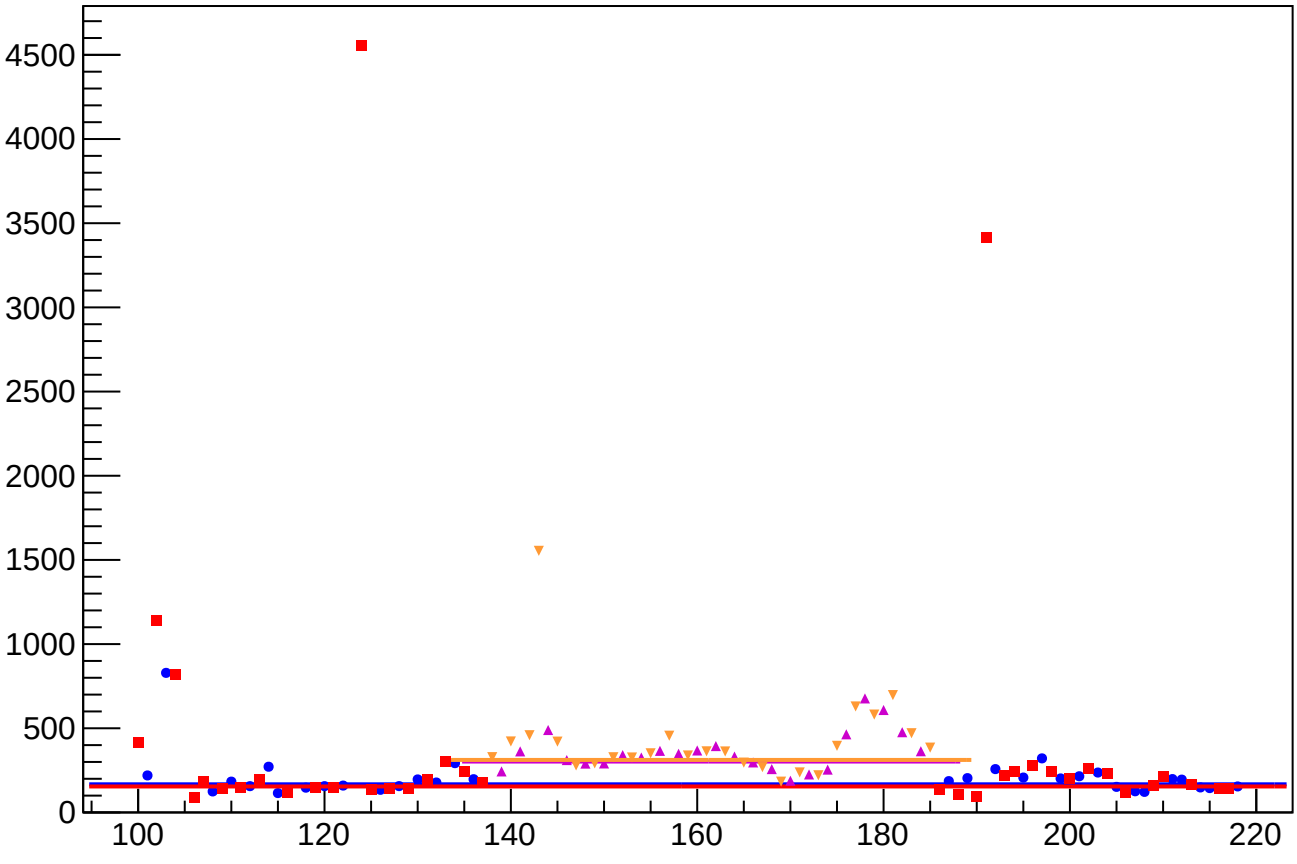
Right Out: -0.042+/-0.038 χ^2/NDF: 44.1/35

Left In: 0.069+/-0.075 χ^2/NDF:29.9/22

+ sign -0.008+/-0.035 χ^2/NDF: 71.9/56

All: -0.014+/-0.025 χ^2/NDF: 147.7/115

- sign -0.019+/-0.034 χ^2/NDF: 75.8/58



Right In: 167.170+/-0.028 χ^2/NDF: 2758768.2/31

Left Out: 311.961+/-0.054 χ^2/NDF:4350376.6/24

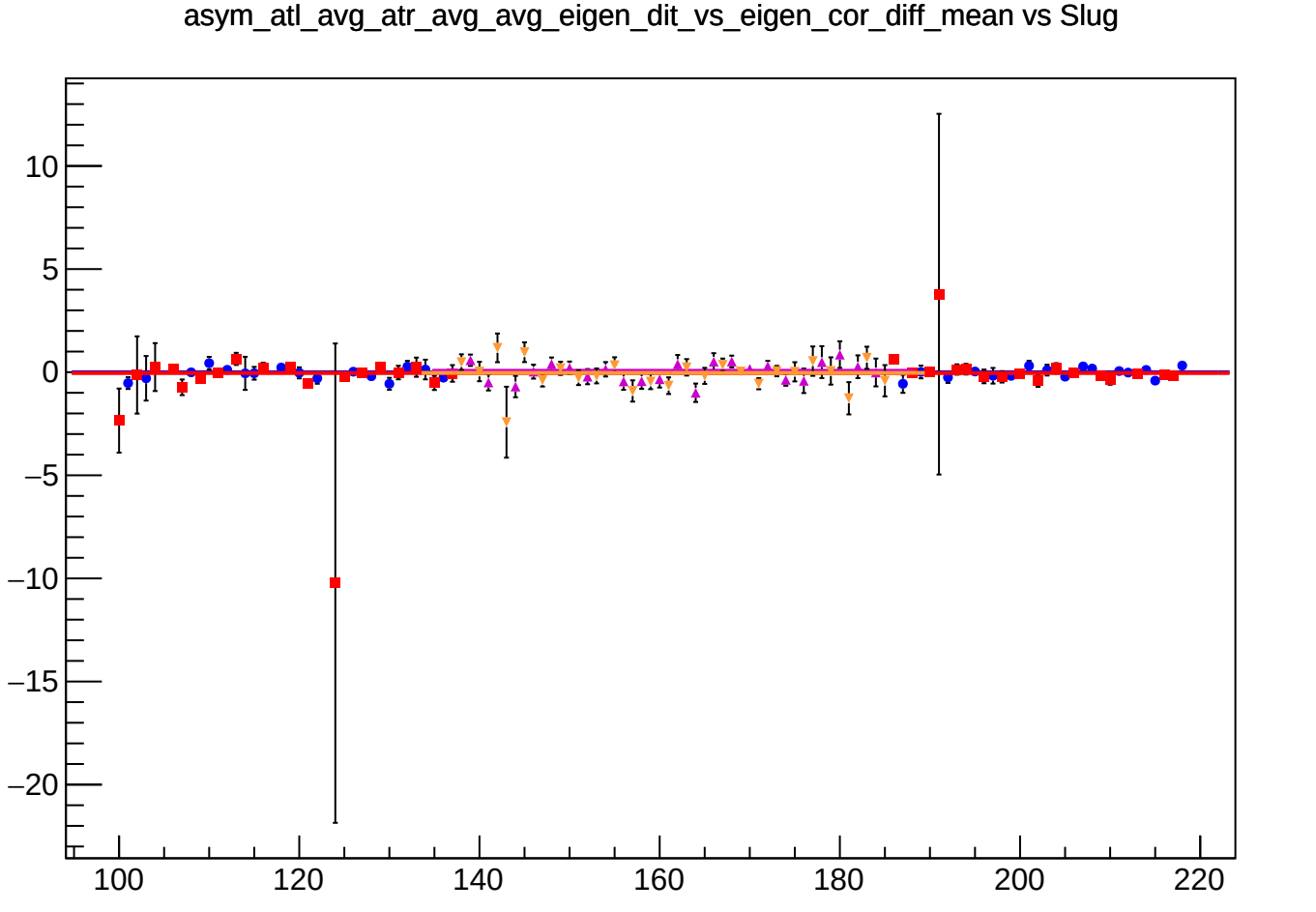
Right Out: 154.374+/-0.027 χ^2/NDF: 4925171.9/35

Left In: 302.377+/-0.053 χ^2/NDF:2808874.8/22

+ sign 198.182+/-0.025 χ^2/NDF: 12713591.0/56

All: 191.147+/-0.017 χ^2/NDF: 26806643.2/11

- sign 184.721+/-0.024 χ^2/NDF: 13942638.3/58



Right In: -0.001+/-0.040 χ^2/NDF: 39.2/31

Left Out: -0.035+/-0.077 χ^2/NDF:32.5/24

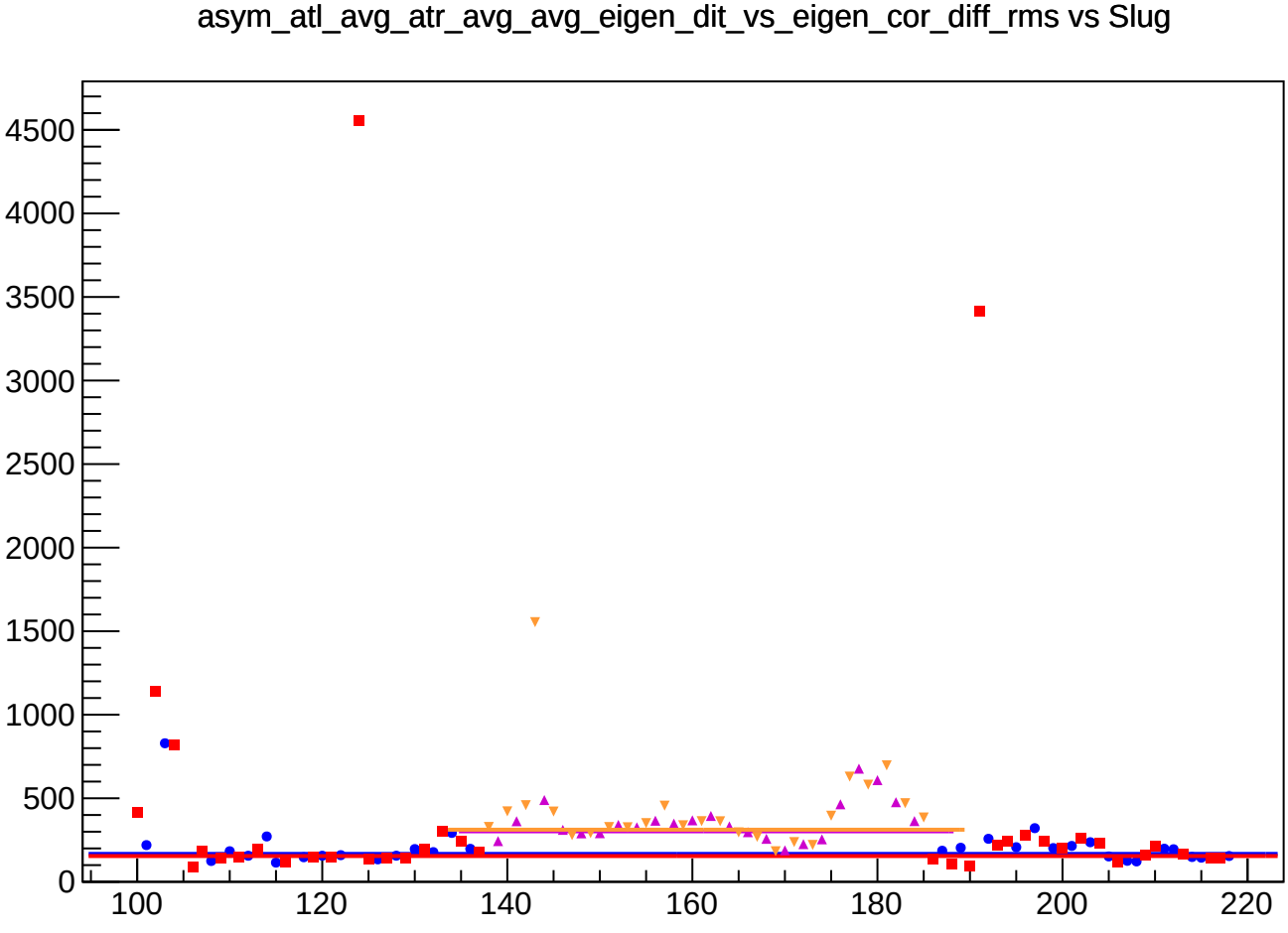
Right Out: -0.042+/-0.038 χ^2/NDF: 44.1/35

Left In: 0.069+/-0.075 χ^2/NDF:29.9/22

+ sign -0.008+/-0.035 χ^2/NDF: 71.9/56

All: -0.014+/-0.025 χ^2/NDF: 147.7/115

- sign -0.019+/-0.034 χ^2/NDF: 75.8/58



Right In: 167.170+/-0.028 χ^2/NDF: 2758768.2/31

Left Out: 311.961+/-0.054 χ^2/NDF:4350376.6/24

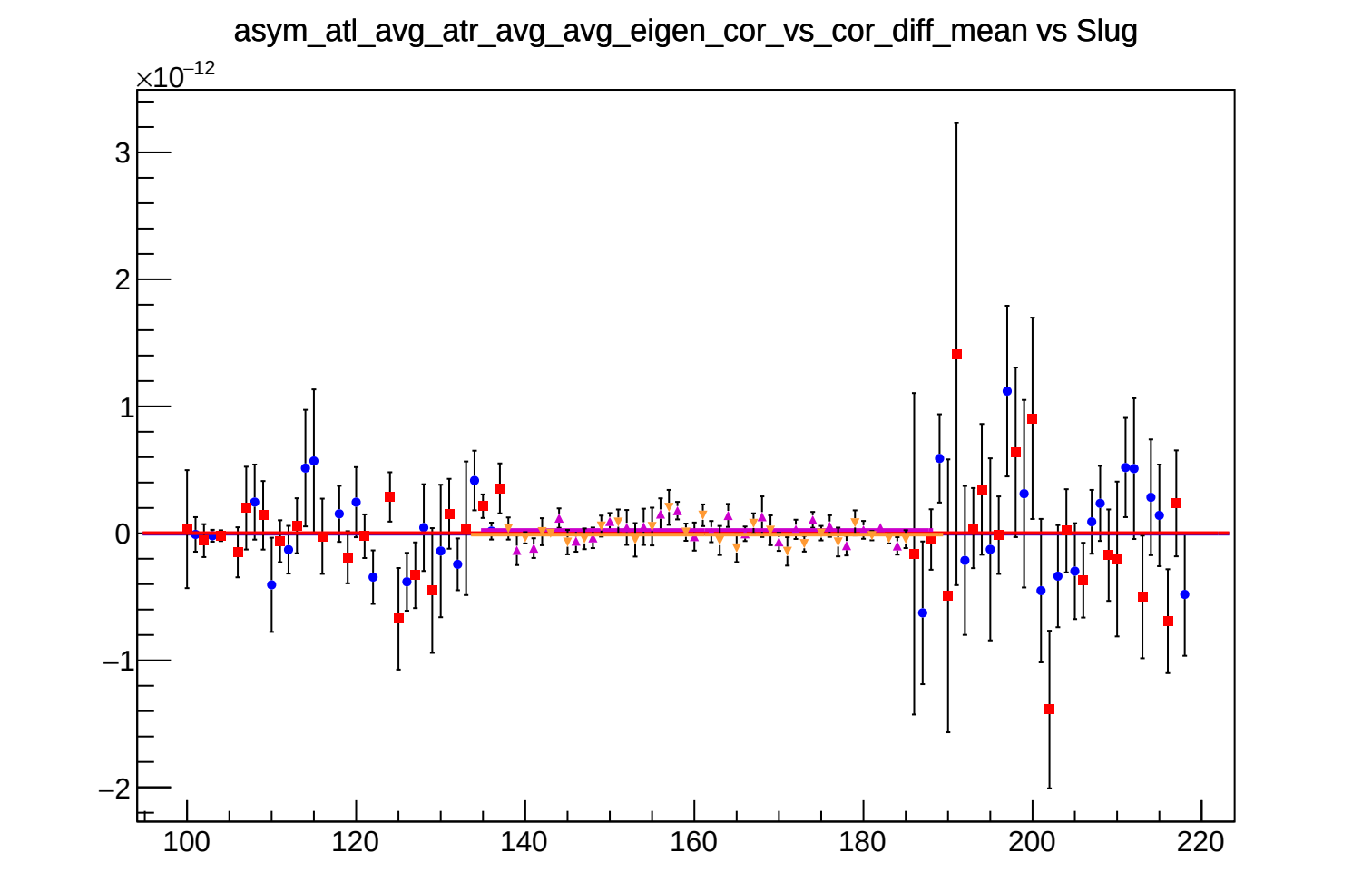
Right Out: 154.374+/-0.027 χ^2/NDF: 4925171.9/35

Left In: 302.377+/-0.053 χ^2/NDF:2808874.8/22

+ sign 198.182+/-0.025 χ^2/NDF: 12713591.0/56

All: 191.147+/-0.017 χ^2/NDF: 26806643.2/11

- sign 184.721+/-0.024 χ^2/NDF: 13942638.3/58



Right In: -0.000+/-0.000 χ^2/NDF: 30.4/31

Left Out: -0.000+/-0.000 χ^2/NDF:16.2/24

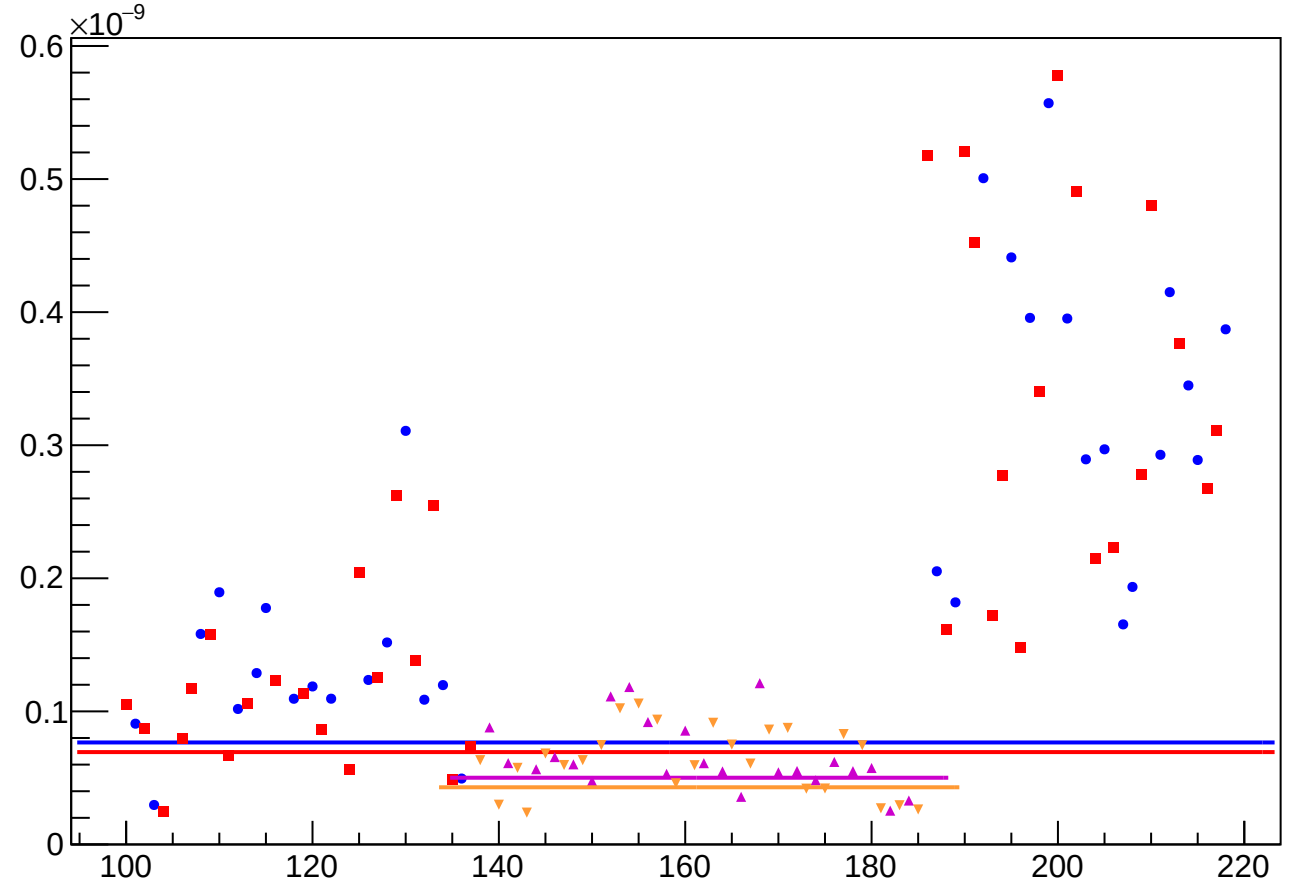
Right Out: 0.000+/-0.000 χ^2/NDF: 33.8/35

Left In: 0.000+/-0.000 χ^2/NDF:27.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 46.6/56

All: 0.000+/-0.000 χ^2/NDF: 111.2/115

- sign 0.000+/-0.000 χ^2/NDF: 61.9/58



Right In: 0.000+/-0.000 χ^2/NDF: 12702668.1/31

Left Out: 0.000+/-0.000 χ^2/NDF:5074676.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 12091061.2/35

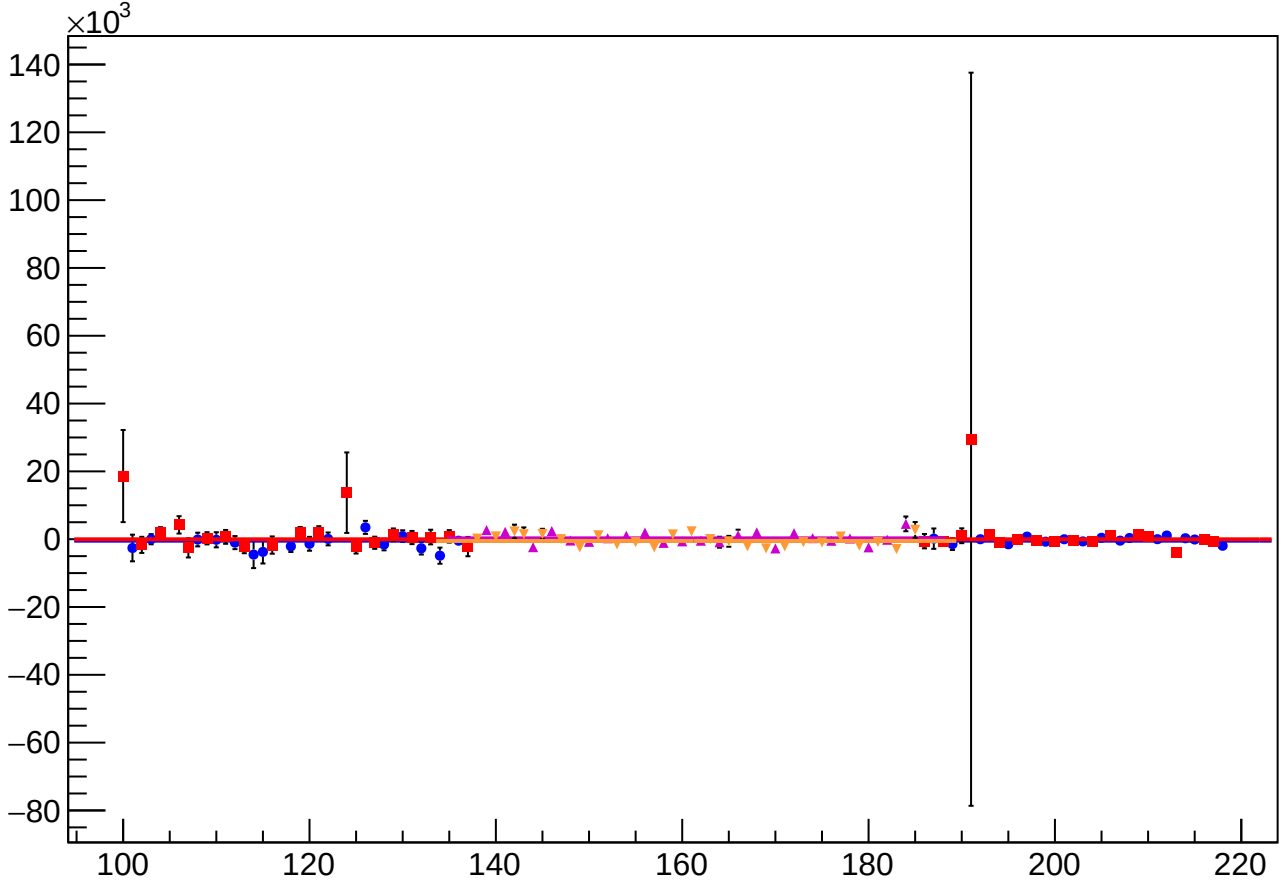
Left In: 0.000+/-0.000 χ^2/NDF:3611362.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 19718156.1/56

All: 0.000+/-0.000 χ^2/NDF: 36280948.8/115

- sign 0.000+/-0.000 χ^2/NDF: 16356298.7/58

reg_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -430.866+/-285.473 χ^2/NDF: 19.5/31

Left Out: -514.484+/-285.945 χ^2/NDF:30.9/24

Right Out: -37.386+/-286.628 χ^2/NDF: 30.1/35

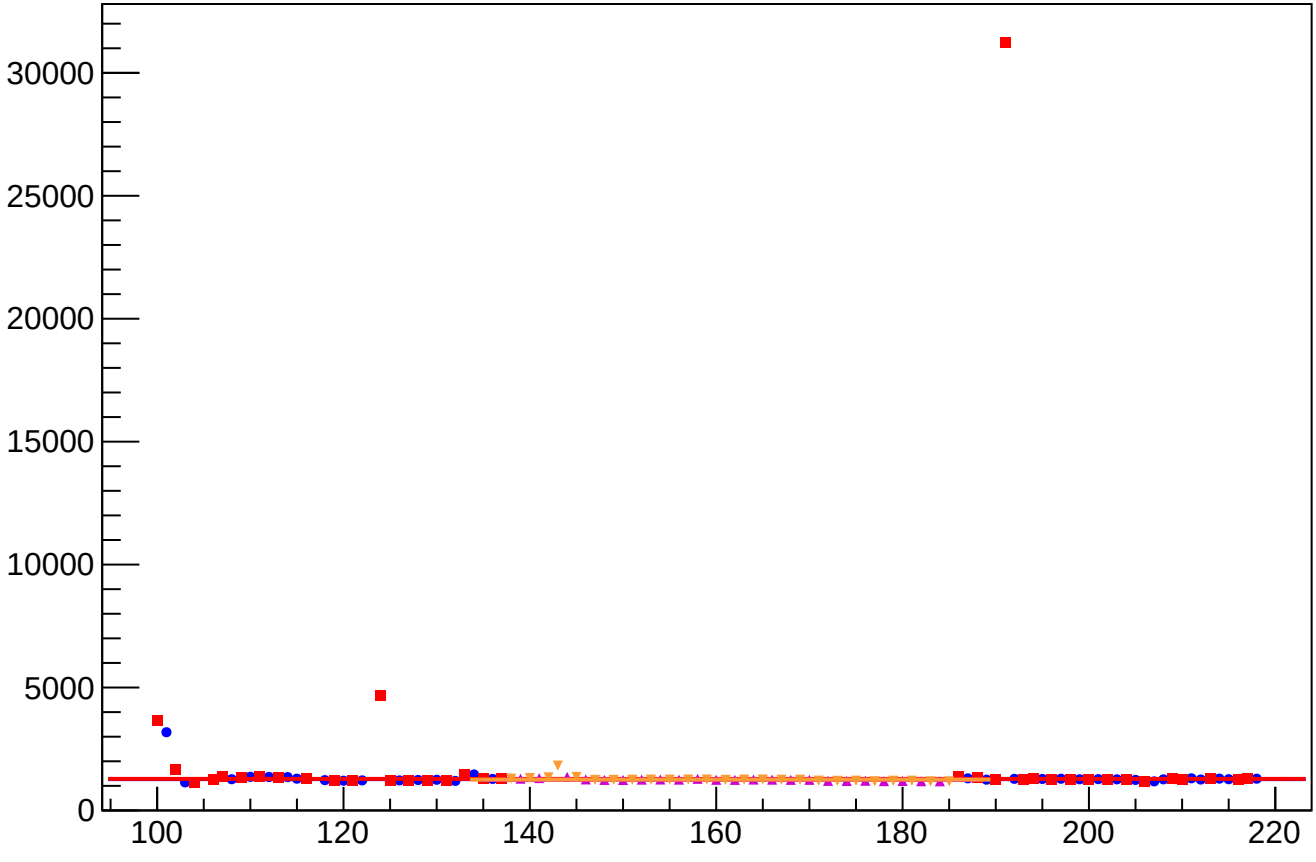
Left In: 242.686+/-291.166 χ^2/NDF:32.0/22

+ sign -472.606+/-202.027 χ^2/NDF: 50.5/56

All: -189.231+/-143.638 χ^2/NDF: 117.0/115

- sign 100.450+/-204.262 χ^2/NDF: 62.6/58

reg_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1274.165+/-0.202 χ^2/NDF: 534525.6/31

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.1/24

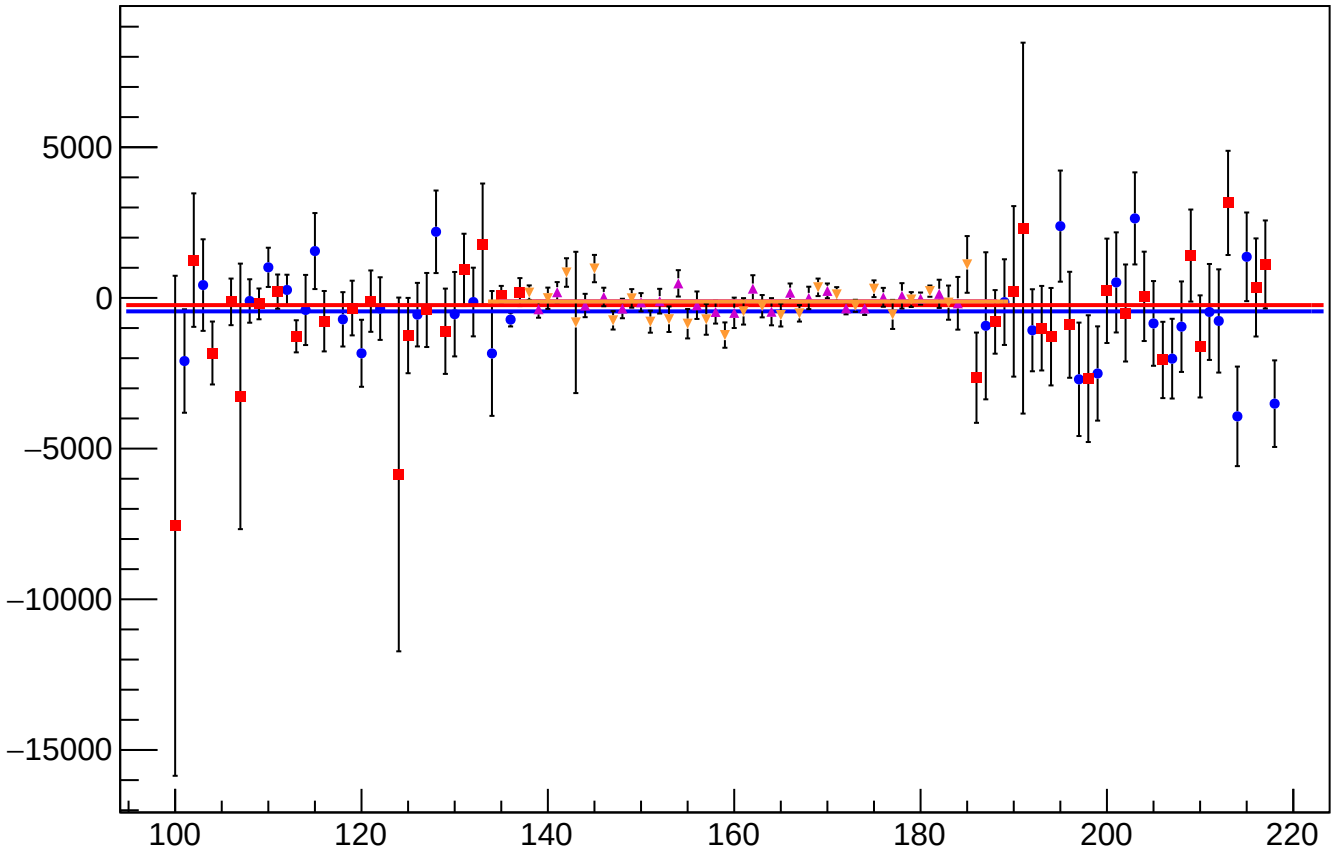
Right Out: 1283.769+/-0.203 χ^2/NDF: 508275.4/35

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

+ sign 1264.855+/-0.143 χ^2/NDF: 741911.0/56

All: 1265.102+/-0.102 χ^2/NDF: 1306821.1/11

- sign 1265.356+/-0.144 χ^2/NDF: 564904.1/58



Right In: -446.156+/-154.498 χ^2/NDF: 40.7/31

Left Out: -117.028+/-65.059 χ^2/NDF:48.4/24

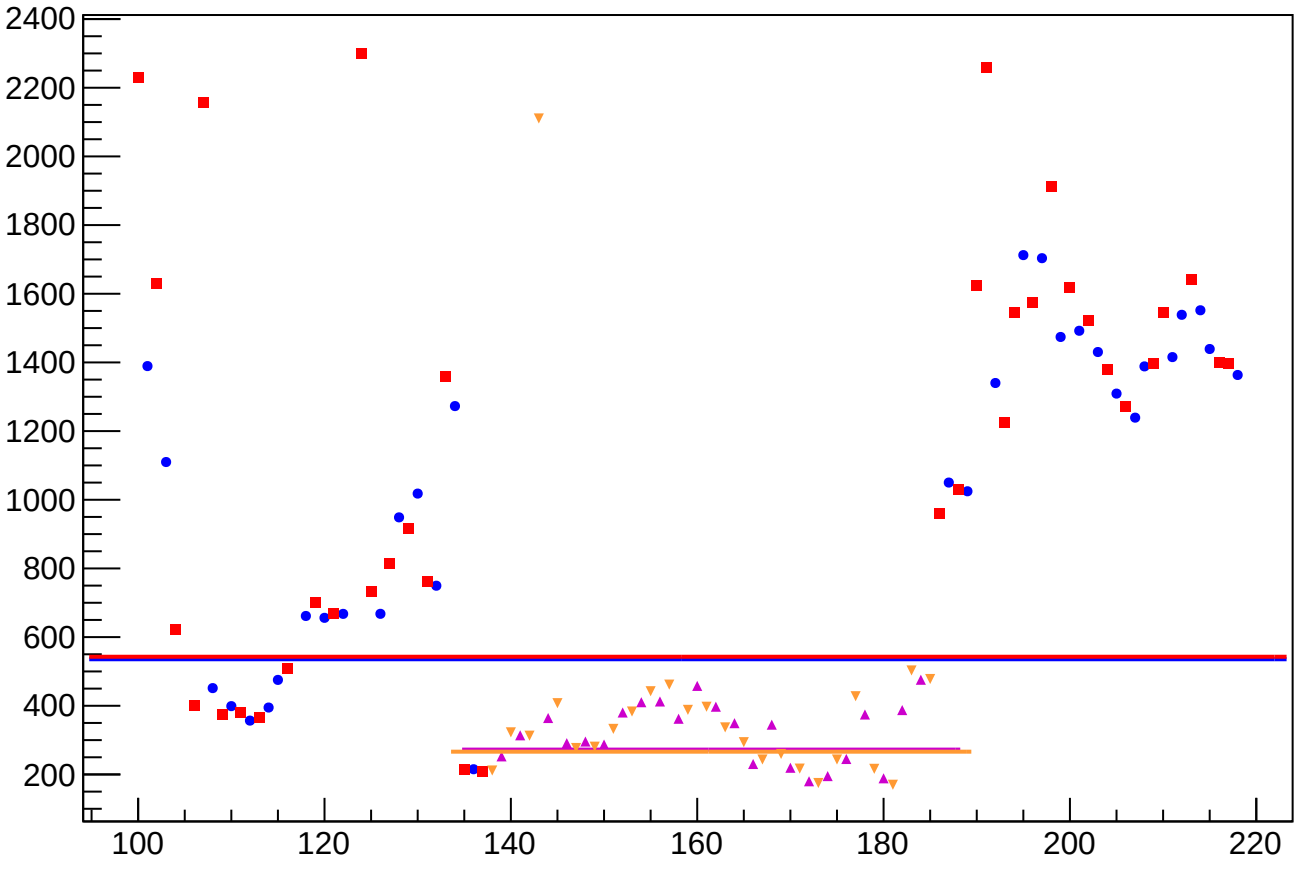
Right Out: -238.735+/-155.290 χ^2/NDF: 28.8/35

Left In: -107.341+/-67.001 χ^2/NDF:13.7/22

+ sign -166.600+/-59.960 χ^2/NDF: 93.0/56

All: -147.777+/-42.939 χ^2/NDF: 136.4/115

- sign -127.962+/-61.519 χ^2/NDF: 43.2/58



Right In: 535.490+/-0.109 χ^2/NDF: 15940026.7/31

Left Out: 266.321+/-0.046 χ^2/NDF:4630130.4/24

Right Out: 542.813+/-0.110 χ^2/NDF: 15813748.1/35

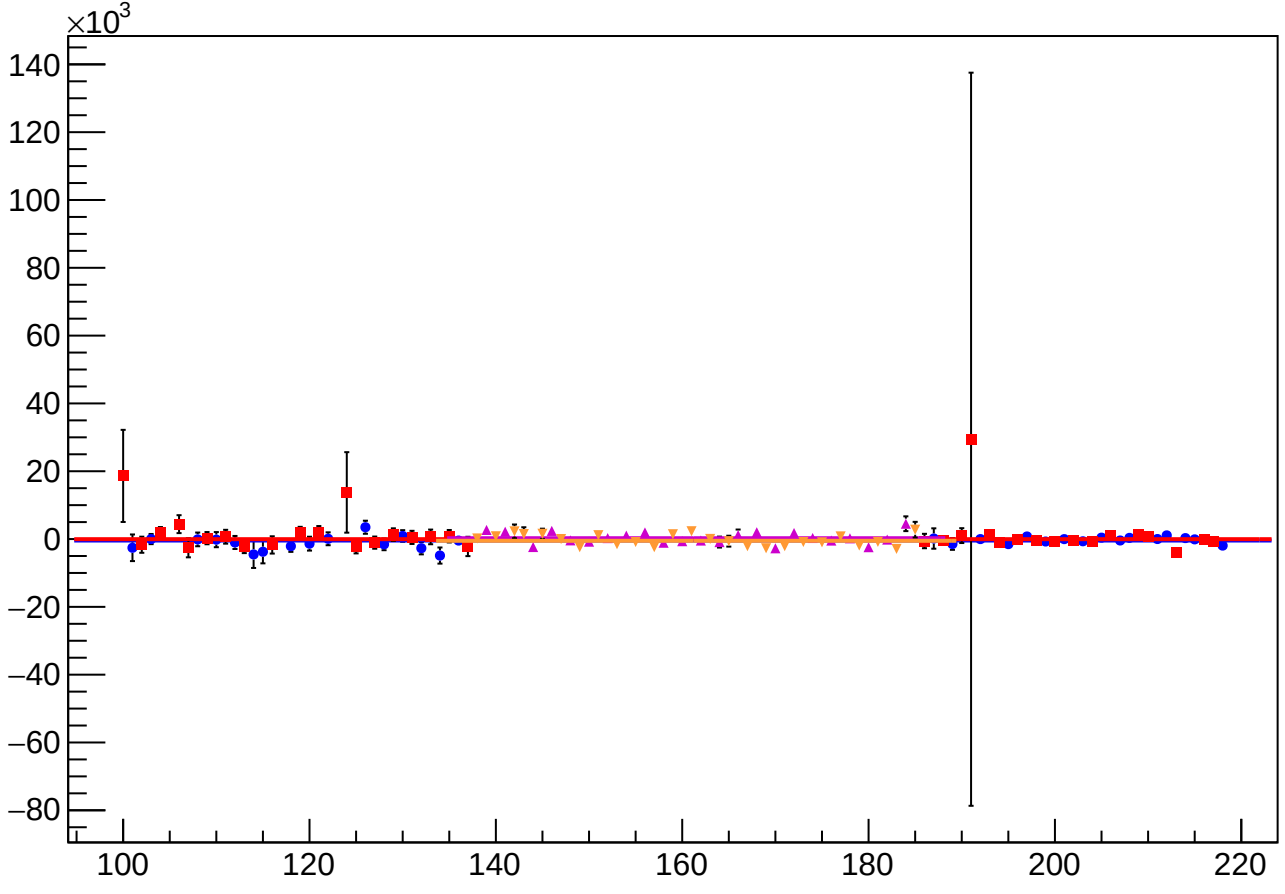
Left In: 272.368+/-0.047 χ^2/NDF:2887823.5/22

+ sign 306.862+/-0.042 χ^2/NDF: 25726441.6/56

All: 310.735+/-0.030 χ^2/NDF: 49559134.8/11

- sign 314.811+/-0.044 χ^2/NDF: 23815566.4/58

cor_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -430.733+/-285.473 χ^2/NDF: 19.5/31

Left Out: -514.430+/-285.945 χ^2/NDF:30.9/24

Right Out: -38.571+/-286.735 χ^2/NDF: 30.1/35

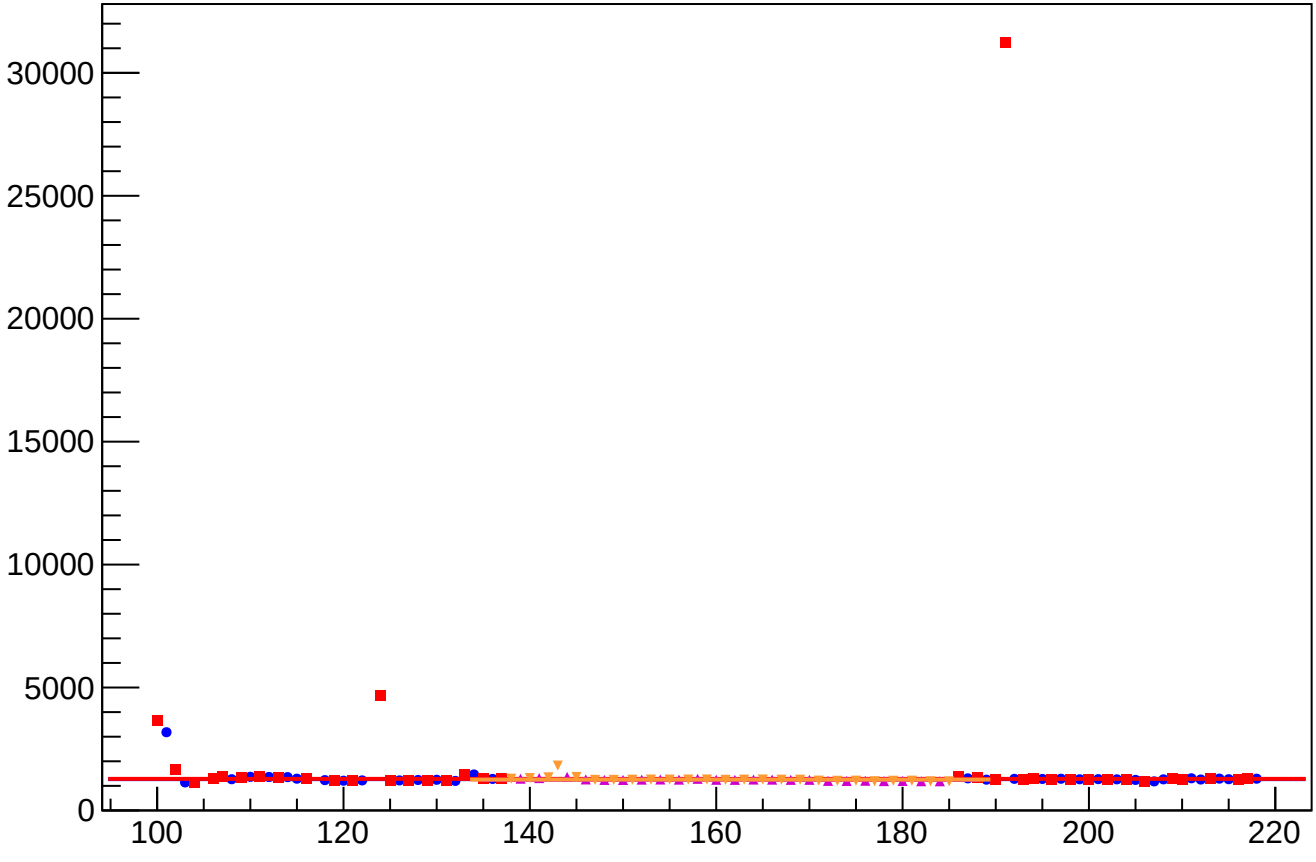
Left In: 242.663+/-291.166 χ^2/NDF:32.0/22

+ sign -472.512+/-202.027 χ^2/NDF: 50.5/56

All: -189.515+/-143.652 χ^2/NDF: 117.1/115

- sign 99.890+/-204.301 χ^2/NDF: 62.6/58

cor_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1274.165+/-0.202 χ^2/NDF: 534527.0/31

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.0/24

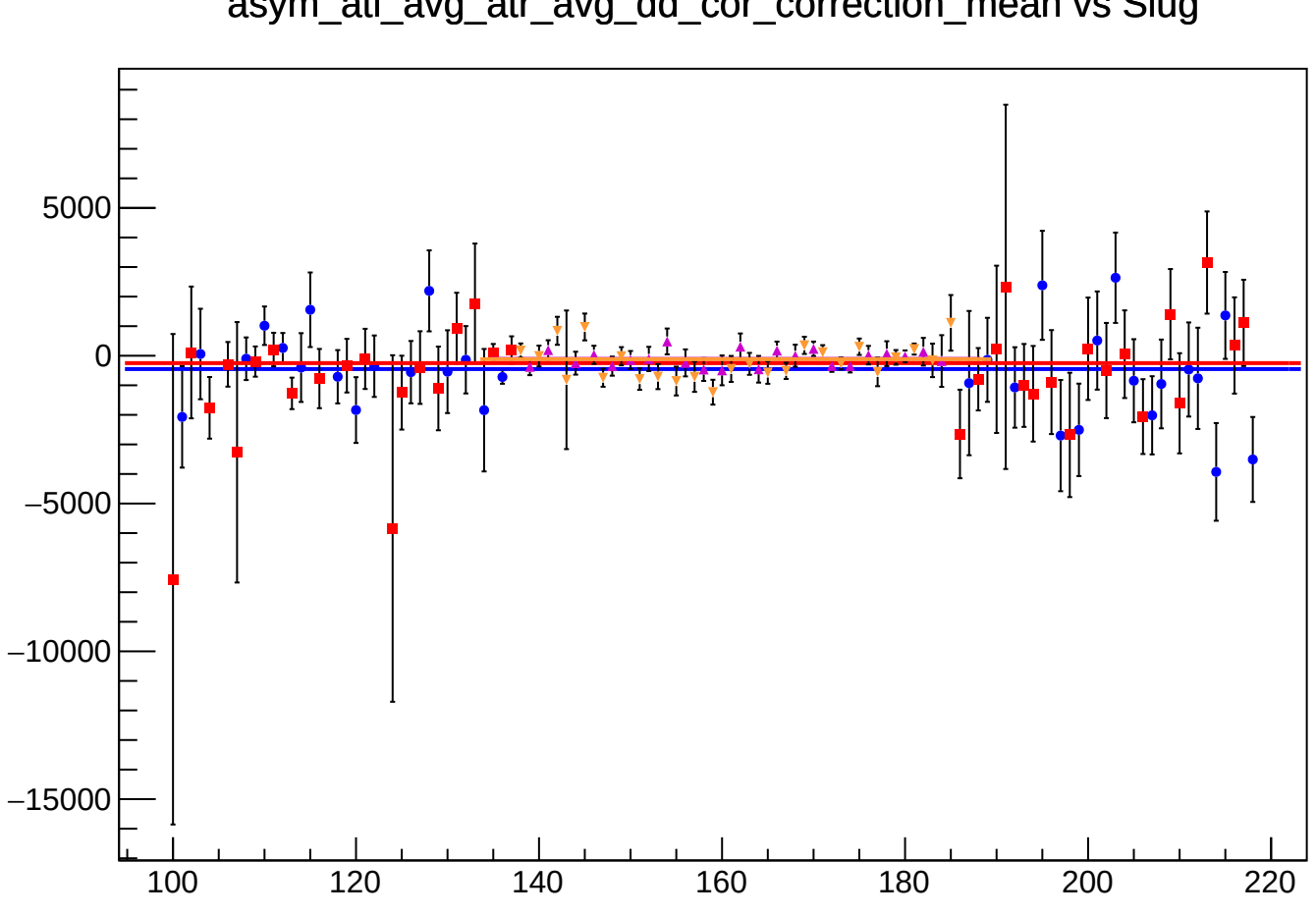
Right Out: 1284.265+/-0.203 χ^2/NDF: 508255.1/35

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

+ sign 1264.855+/-0.143 χ^2/NDF: 741912.3/56

All: 1265.223+/-0.102 χ^2/NDF: 1307250.1/11

- sign 1265.600+/-0.144 χ^2/NDF: 565324.3/58



Right In: -449.933+/-154.514 χ^2/NDF: 40.5/31

Left Out: -117.002+/-65.060 χ^2/NDF:48.4/24

Right Out: -249.711+/-155.138 χ^2/NDF: 28.2/35

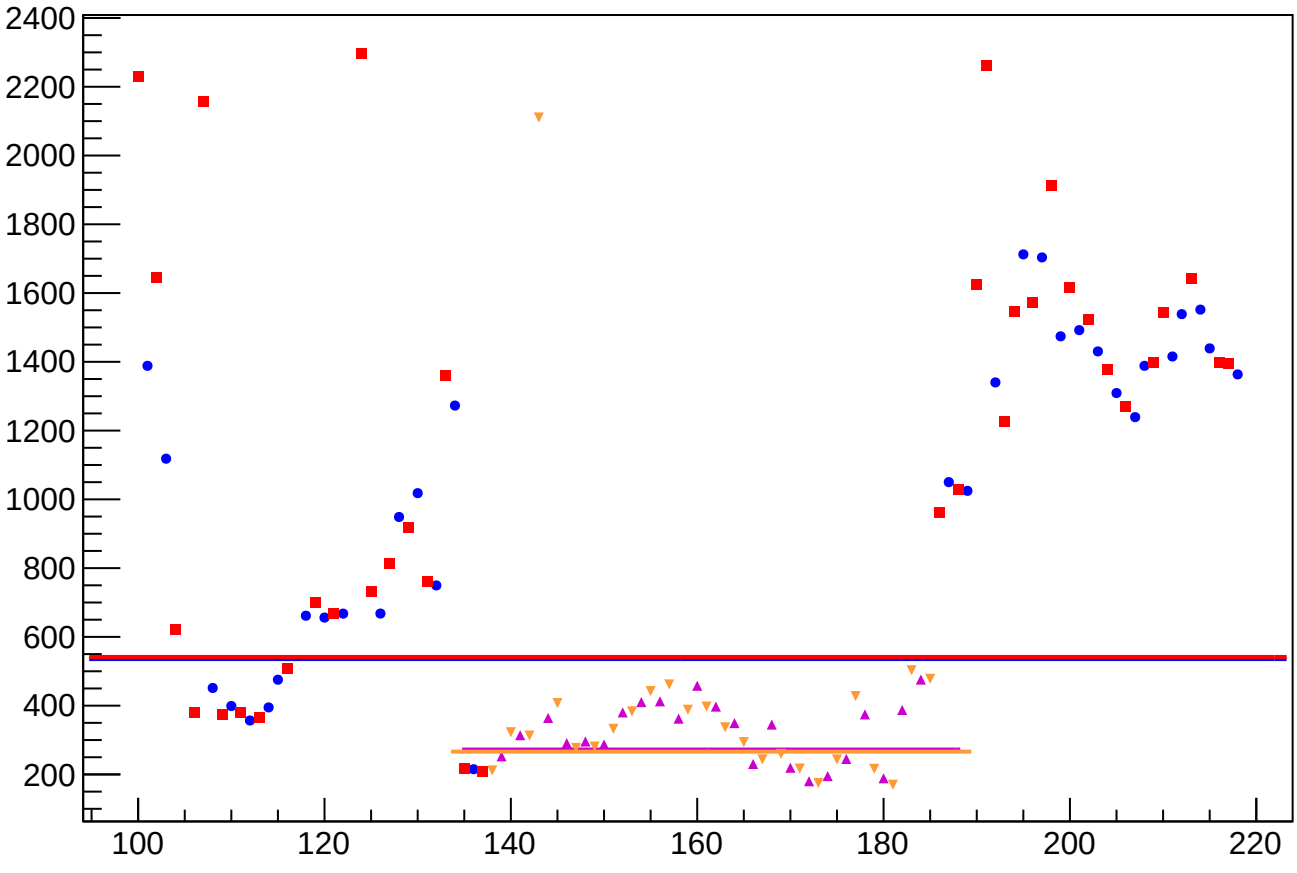
Left In: -107.459+/-67.003 χ^2/NDF:13.7/22

+ sign -167.140+/-59.962 χ^2/NDF: 92.9/56

All: -148.957+/-42.937 χ^2/NDF: 135.7/115

- sign -129.822+/-61.511 χ^2/NDF: 42.6/58

asym_atl_avg_atr_avg_dd_cor_correction_rms vs Slug



Right In: 535.514+/-0.109 χ^2/NDF: 15942969.3/31

Left Out: 266.326+/-0.046 χ^2/NDF:4630167.4/24

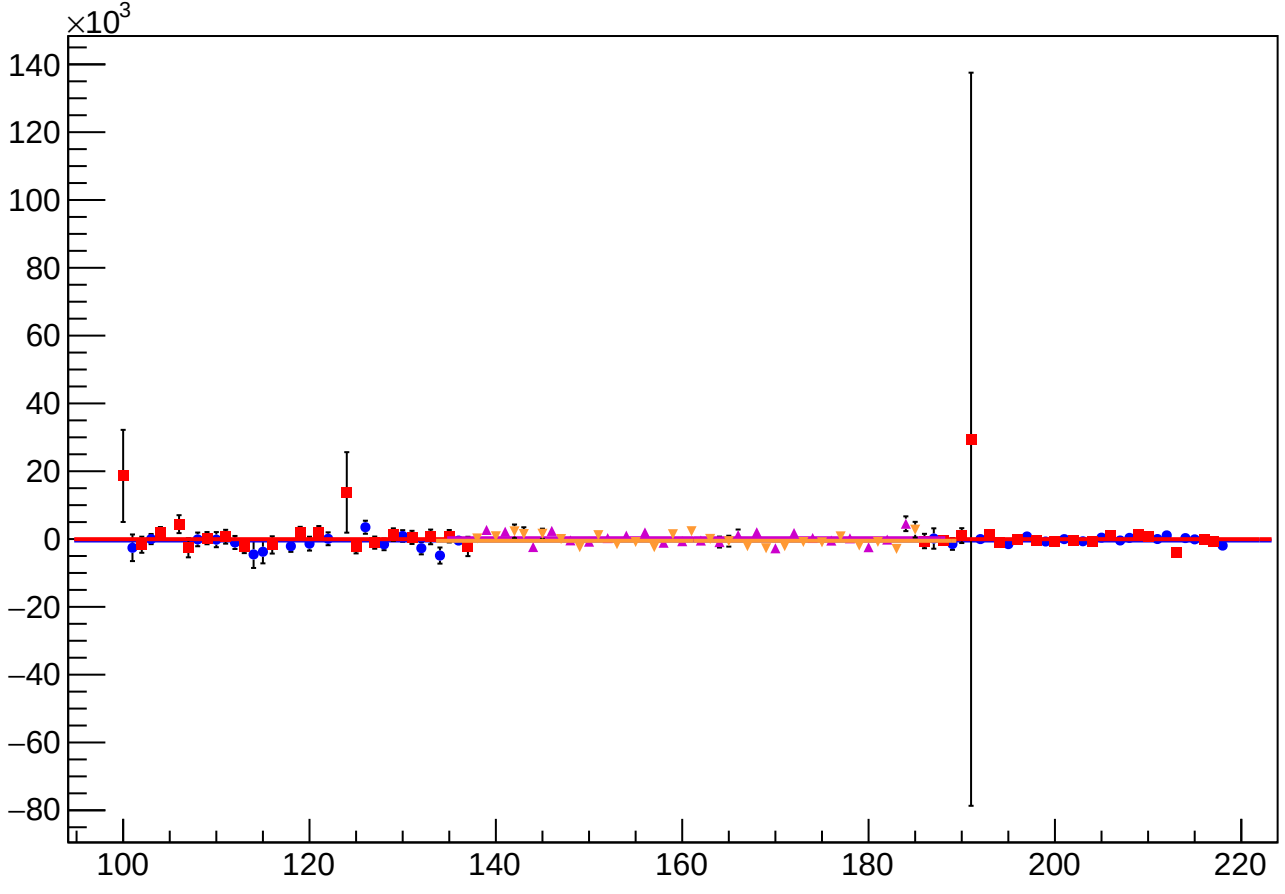
Right Out: 541.712+/-0.110 χ^2/NDF: 15844382.5/35

Left In: 272.378+/-0.047 χ^2/NDF:2887597.1/22

+ sign 306.865+/-0.042 χ^2/NDF: 25729220.7/56

All: 310.692+/-0.030 χ^2/NDF: 49558350.3/11

- sign 314.719+/-0.043 χ^2/NDF: 23812410.7/58



Right In: -430.733+/-285.473 χ^2/NDF: 19.5/31

Left Out: -514.430+/-285.945 χ^2/NDF:30.9/24

Right Out: -38.571+/-286.735 χ^2/NDF: 30.1/35

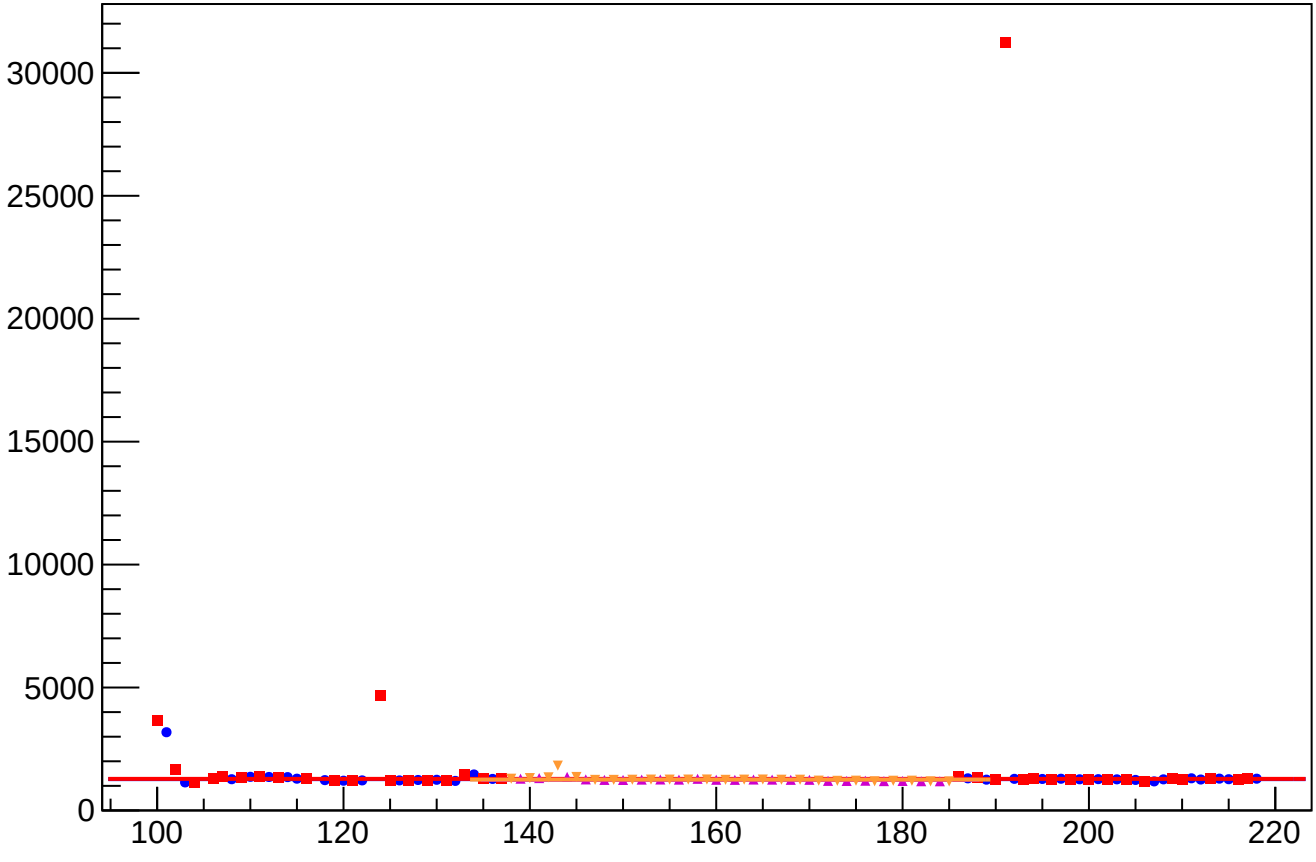
Left In: 242.663+/-291.166 χ^2/NDF:32.0/22

+ sign -472.512+/-202.027 χ^2/NDF: 50.5/56

All: -189.515+/-143.652 χ^2/NDF: 117.1/115

- sign 99.890+/-204.301 χ^2/NDF: 62.6/58

eigen_cor_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1274.165+/-0.202 χ^2/NDF: 534527.0/31

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.0/24

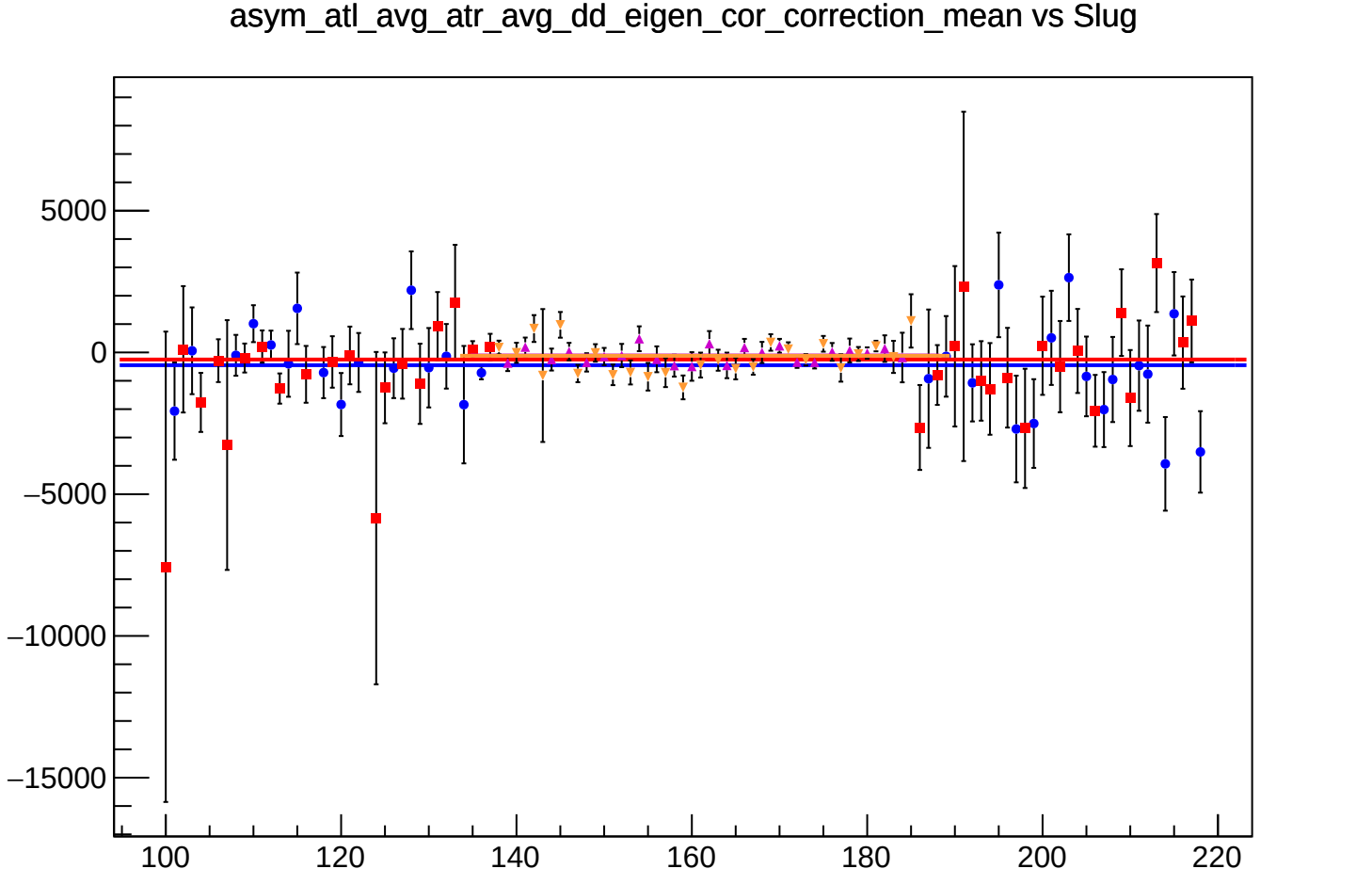
Right Out: 1284.265+/-0.203 χ^2/NDF: 508255.1/35

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

+ sign 1264.855+/-0.143 χ^2/NDF: 741912.3/56

All: 1265.223+/-0.102 χ^2/NDF: 1307250.1/11

- sign 1265.600+/-0.144 χ^2/NDF: 565324.3/58



Right In: -449.933+/-154.514 χ^2/NDF: 40.5/31

Left Out: -117.002+/-65.060 χ^2/NDF:48.4/24

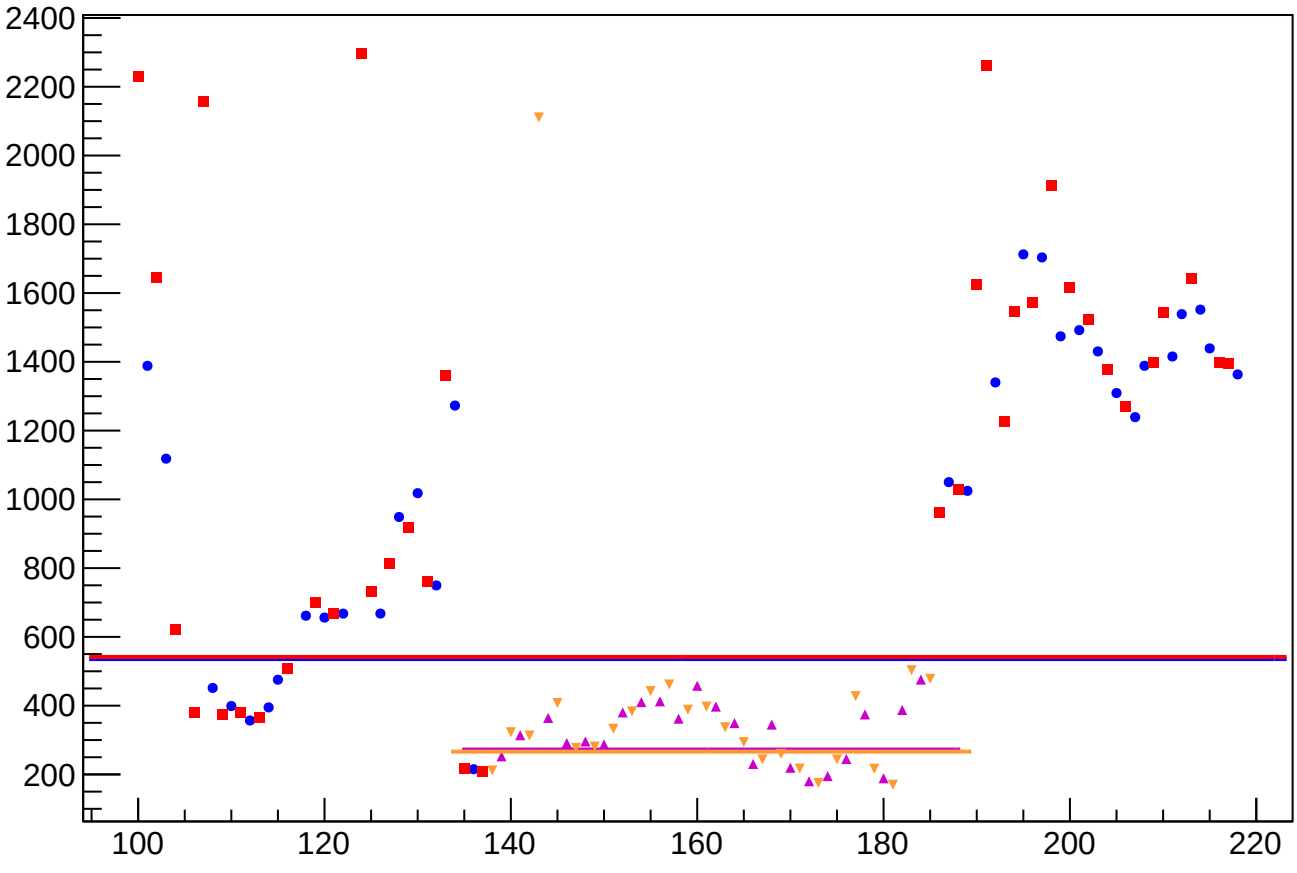
Right Out: -249.711+/-155.138 χ^2/NDF: 28.2/35

Left In: -107.459+/-67.003 χ^2/NDF:13.7/22

+ sign -167.140+/-59.962 χ^2/NDF: 92.9/56

All: -148.957+/-42.937 χ^2/NDF: 135.7/115

- sign -129.822+/-61.511 χ^2/NDF: 42.6/58



Right In: 535.514+/-0.109 χ^2/NDF: 15942969.3/31

Left Out: 266.326+/-0.046 χ^2/NDF:4630167.4/24

Right Out: 541.712+/-0.110 χ^2/NDF: 15844382.5/35

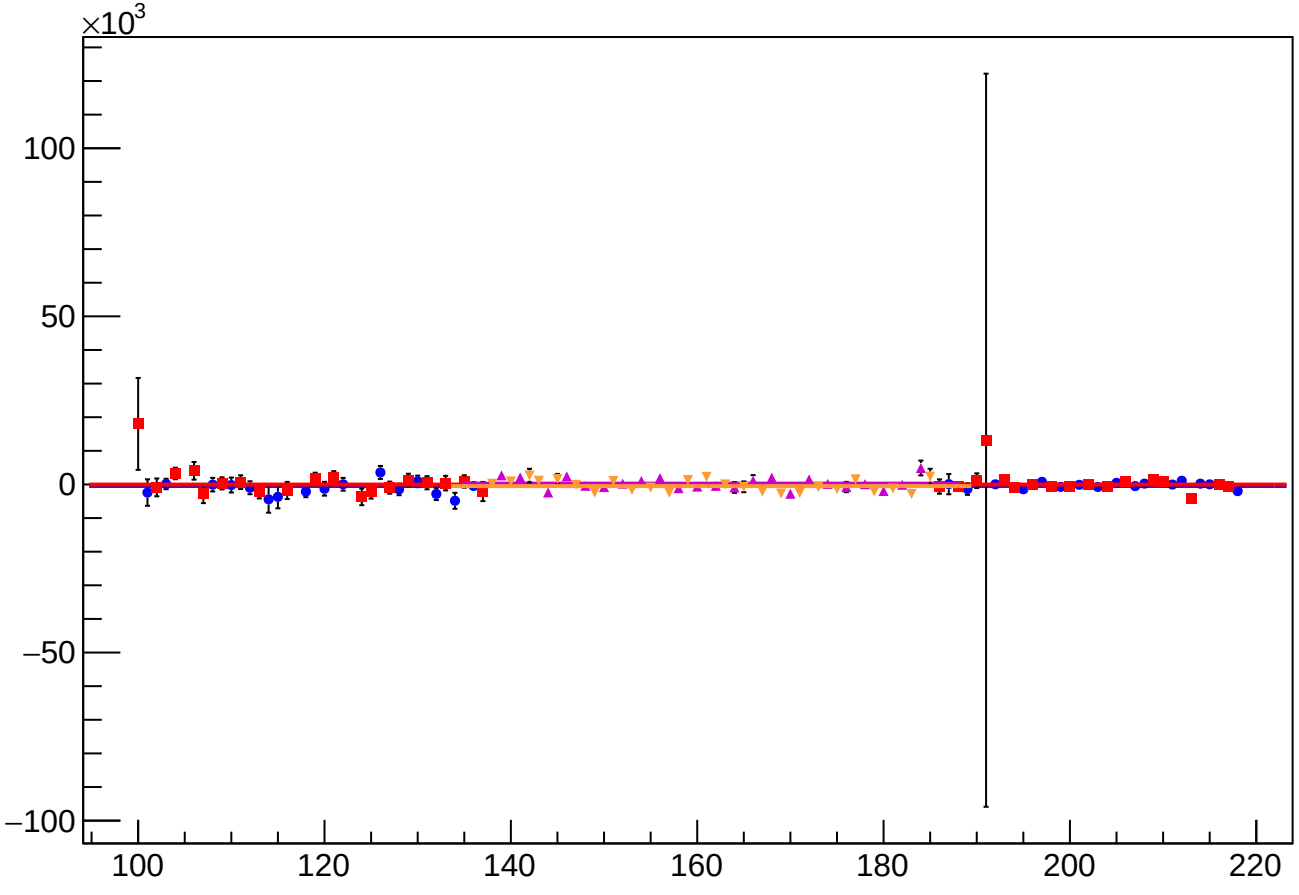
Left In: 272.378+/-0.047 χ^2/NDF:2887597.1/22

+ sign 306.865+/-0.042 χ^2/NDF: 25729220.7/56

All: 310.692+/-0.030 χ^2/NDF: 49558350.3/11

- sign 314.719+/-0.043 χ^2/NDF: 23812410.7/58

dit_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -425.123+/-286.211 χ^2/NDF: 19.6/31

Left Out: -493.436+/-282.734 χ^2/NDF:34.2/24

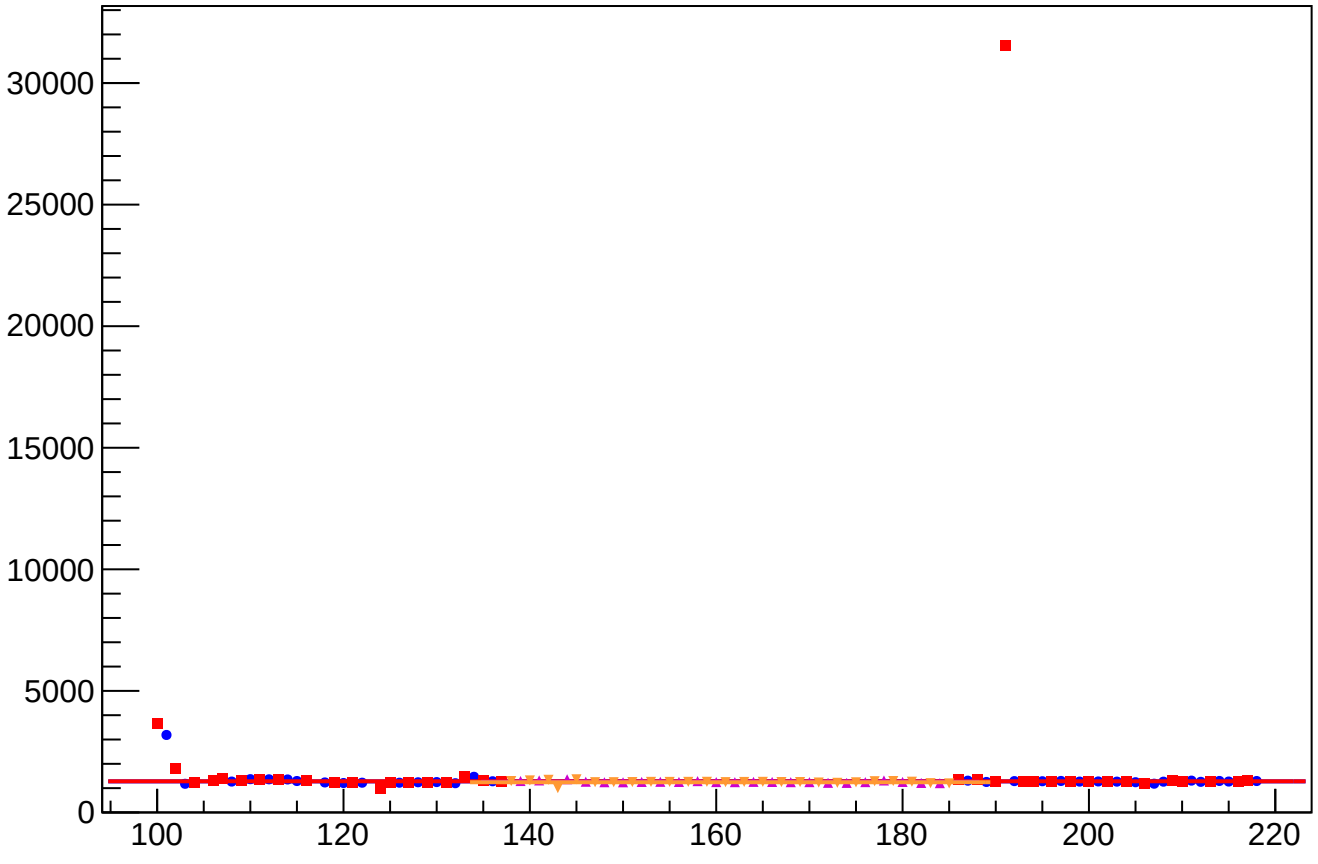
Right Out: -39.237+/-286.290 χ^2/NDF: 32.0/35

Left In: 242.004+/-294.339 χ^2/NDF:30.7/22

+ sign -459.697+/-201.141 χ^2/NDF: 53.8/56

All: -186.704+/-143.650 χ^2/NDF: 120.8/115

- sign 97.485+/-205.224 χ^2/NDF: 63.2/58



Right In: 1277.529+/-0.202 χ^2/NDF: 527045.1/31

Left Out: 1242.539+/-0.200 χ^2/NDF:130023.1/24

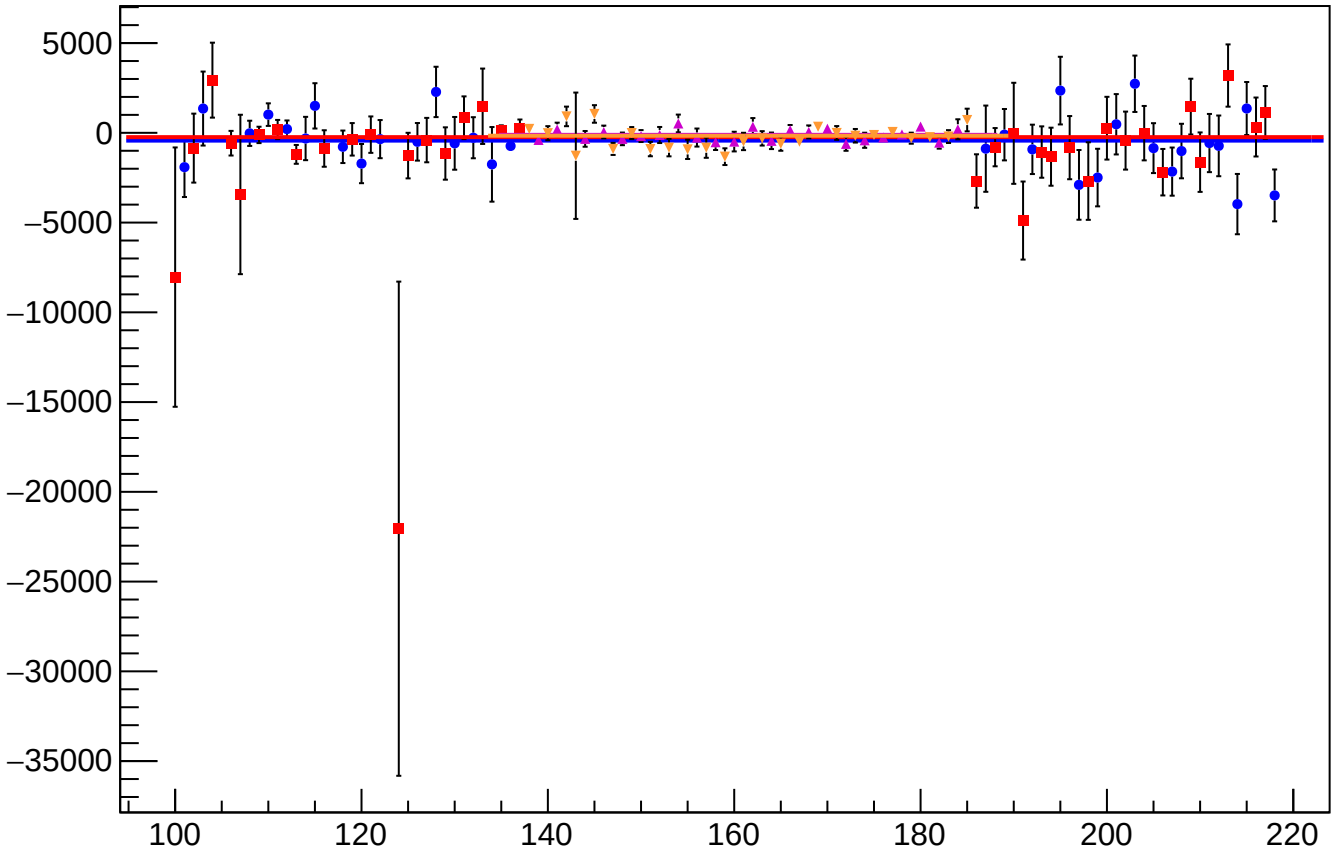
Right Out: 1282.328+/-0.202 χ^2/NDF: 388682.7/35

Left In: 1260.094+/-0.208 χ^2/NDF:27932.1/22

+ sign 1259.820+/-0.142 χ^2/NDF: 672196.1/56

All: 1265.552+/-0.102 χ^2/NDF: 1097989.8/11

- sign 1271.519+/-0.145 χ^2/NDF: 422479.0/58



Right In: -433.713+/-156.119 χ^2/NDF: 41.0/31

Left Out: -160.930+/-64.133 χ^2/NDF:43.8/24

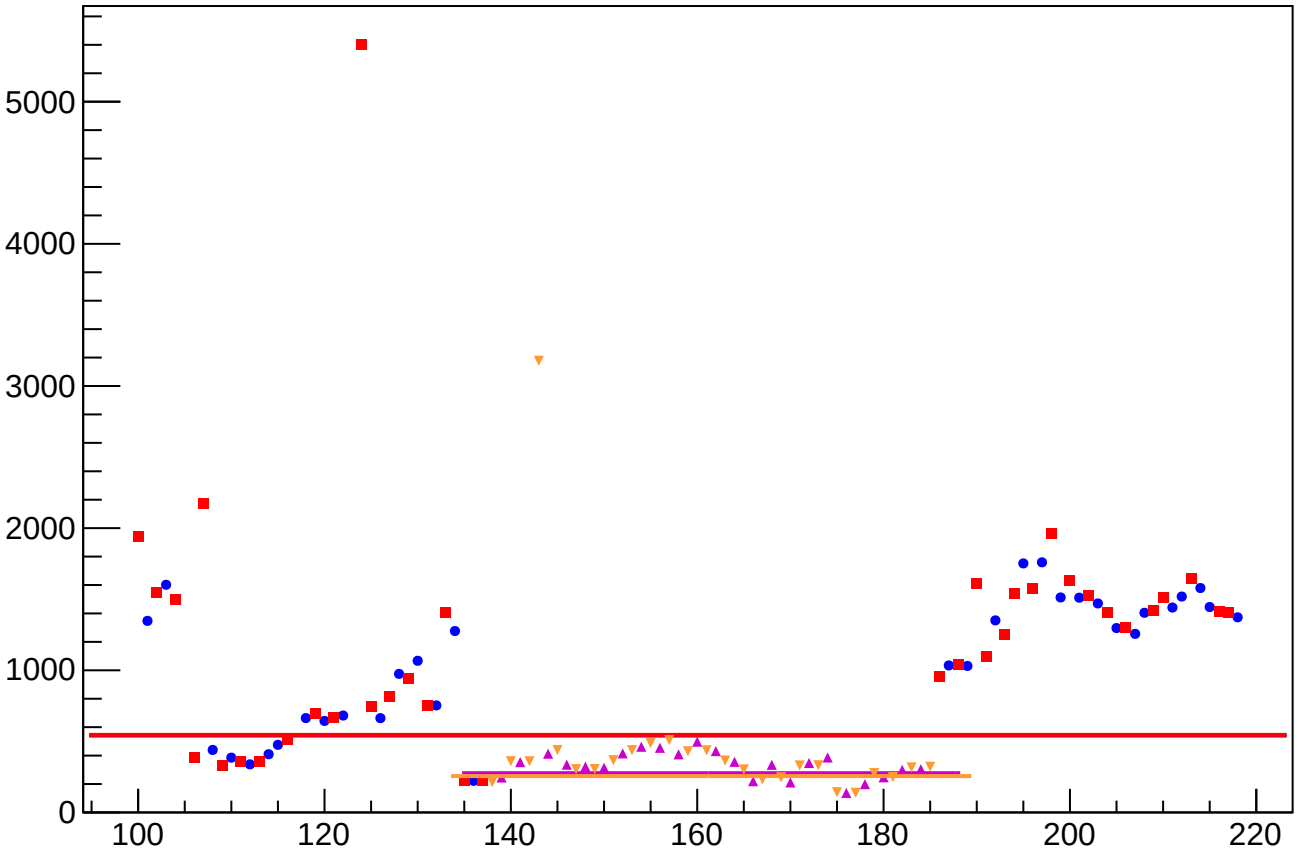
Right Out: -240.820+/-155.221 χ^2/NDF: 35.0/35

Left In: -113.722+/-68.841 χ^2/NDF:18.2/22

+ sign -200.316+/-59.322 χ^2/NDF: 87.3/56

All: -169.401+/-43.166 χ^2/NDF: 141.7/115

- sign -134.612+/-62.929 χ^2/NDF: 53.8/58



Right In: 541.429+/-0.110 χ^2/NDF: 16077659.3/31

Left Out: 255.768+/-0.045 χ^2/NDF:6373929.4/24

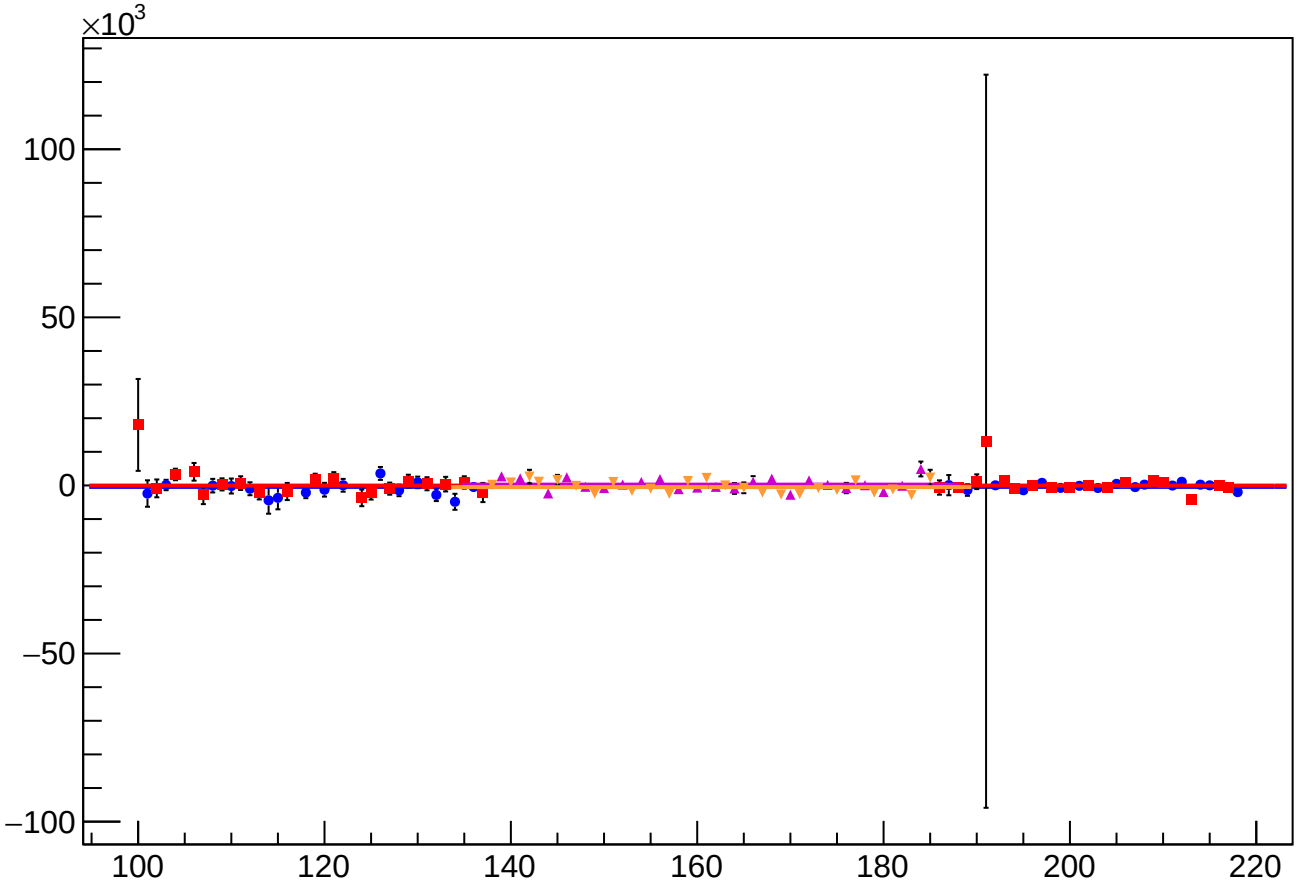
Right Out: 545.650+/-0.110 χ^2/NDF: 16355148.3/35

Left In: 276.298+/-0.049 χ^2/NDF:4027410.5/22

+ sign 297.014+/-0.042 χ^2/NDF: 28180819.2/56

All: 308.097+/-0.031 χ^2/NDF: 53744301.6/11

- sign 320.570+/-0.044 χ^2/NDF: 25415095.5/58



Right In: -425.121+/-286.211 χ^2/NDF: 19.6/31

Left Out: -493.435+/-282.734 χ^2/NDF:34.2/24

Right Out: -39.236+/-286.290 χ^2/NDF: 32.0/35

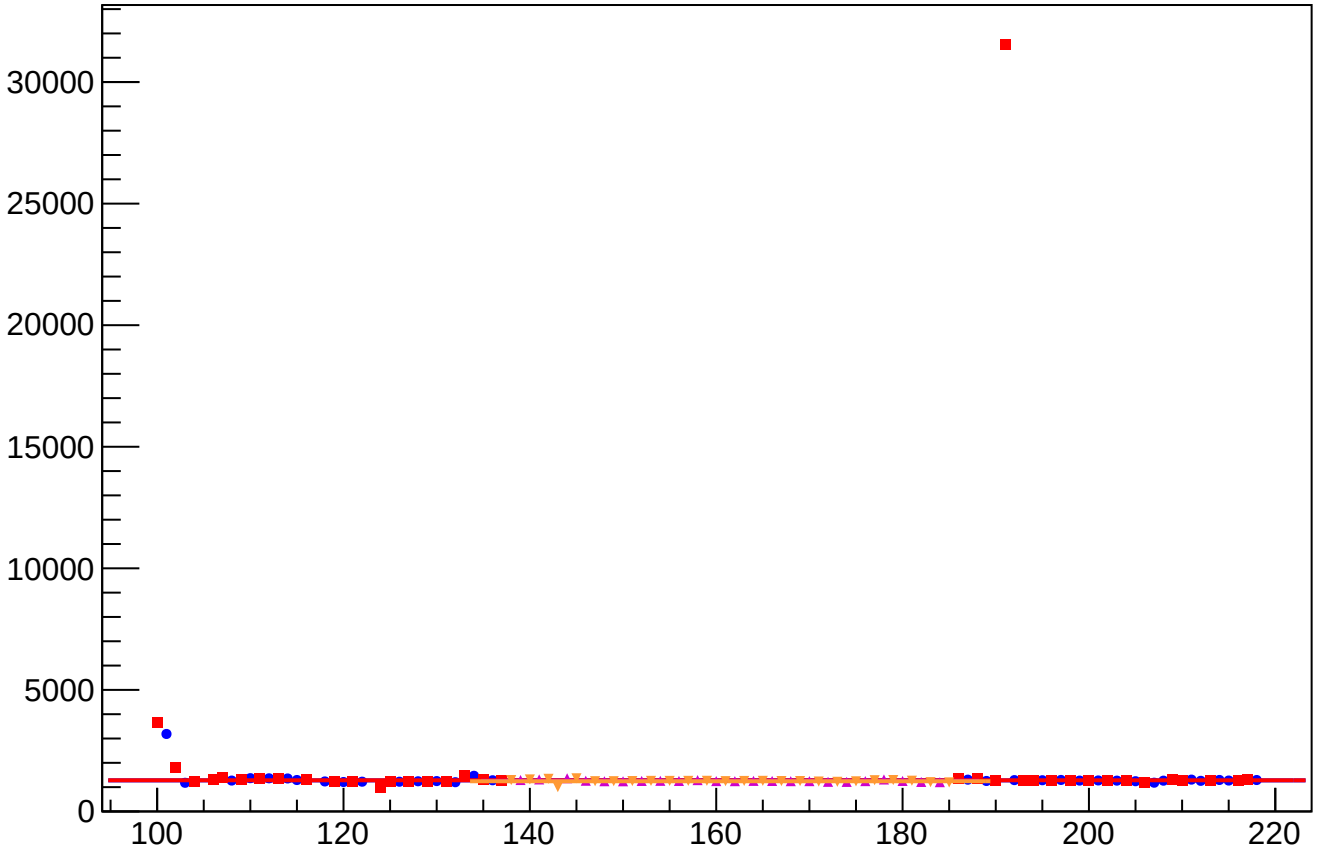
Left In: 242.004+/-294.339 χ^2/NDF:30.7/22

+ sign -459.696+/-201.141 χ^2/NDF: 53.8/56

All: -186.703+/-143.650 χ^2/NDF: 120.8/115

- sign 97.486+/-205.224 χ^2/NDF: 63.2/58

eigen_dit_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1277.529+/-0.202 χ^2/NDF: 527045.1/31

Left Out: 1242.539+/-0.200 χ^2/NDF:130022.2/24

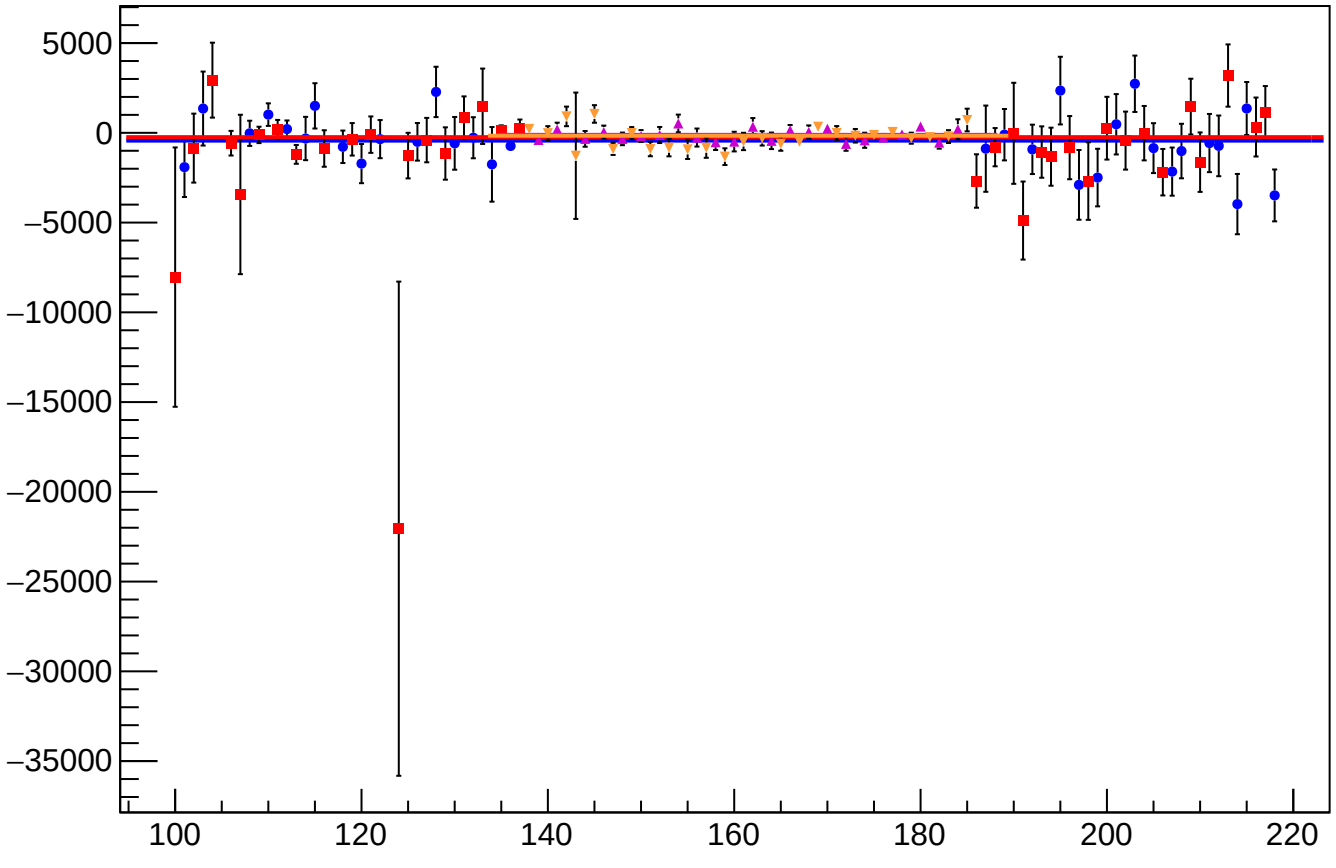
Right Out: 1282.327+/-0.202 χ^2/NDF: 388683.0/35

Left In: 1260.094+/-0.208 χ^2/NDF:27932.2/22

+ sign 1259.820+/-0.142 χ^2/NDF: 672195.2/56

All: 1265.552+/-0.102 χ^2/NDF: 1097989.3/11

- sign 1271.519+/-0.145 χ^2/NDF: 422479.4/58



Right In: -433.716+/-156.121 χ^2/NDF: 41.0/31

Left Out: -160.933+/-64.133 χ^2/NDF:43.8/24

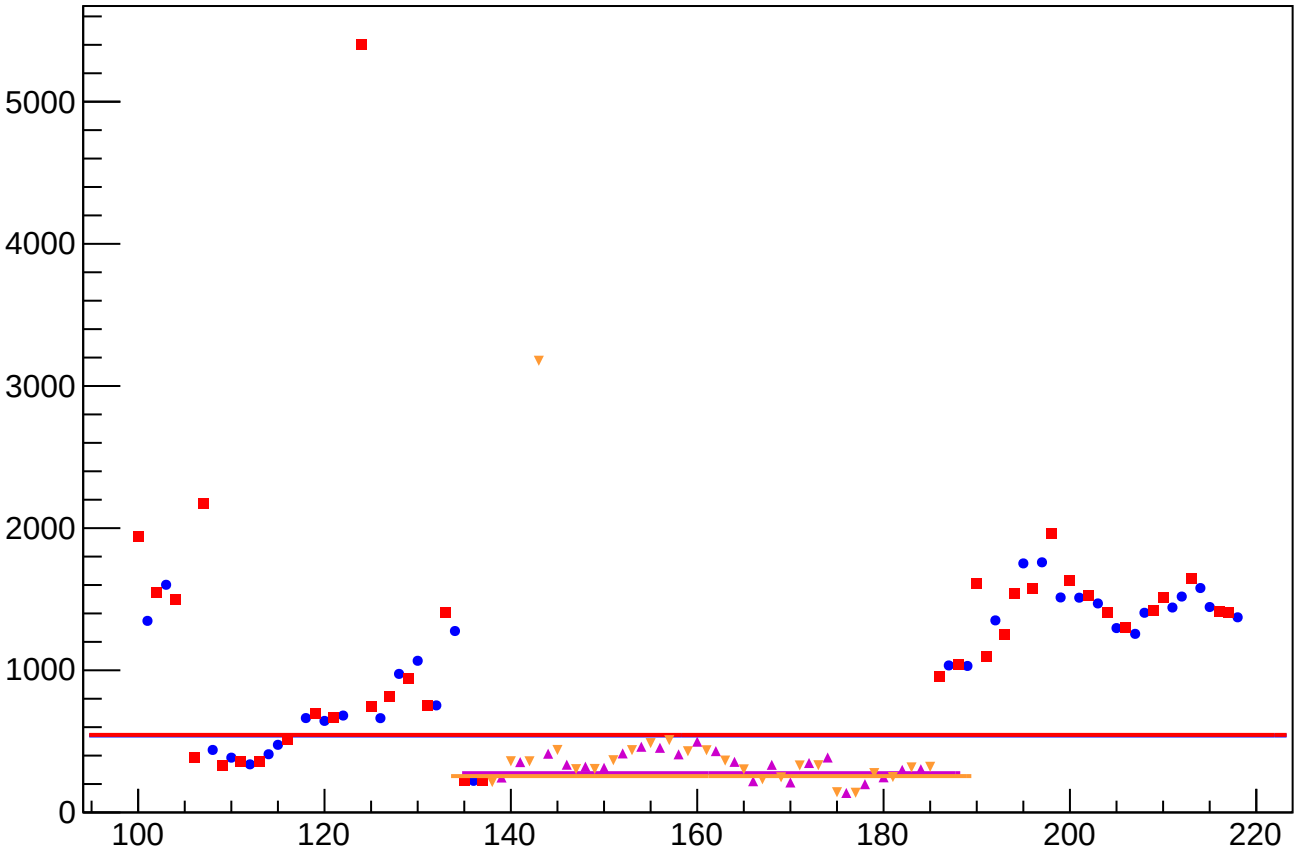
Right Out: -240.827+/-155.223 χ^2/NDF: 35.0/35

Left In: -113.720+/-68.841 χ^2/NDF:18.2/22

+ sign -200.318+/-59.323 χ^2/NDF: 87.3/56

All: -169.402+/-43.166 χ^2/NDF: 141.7/115

- sign -134.611+/-62.930 χ^2/NDF: 53.8/58



Right In: 541.442+/-0.110 χ^2/NDF: 16077189.3/31

Left Out: 255.770+/-0.045 χ^2/NDF:6373829.7/24

Right Out: 545.661+/-0.110 χ^2/NDF: 16354804.0/35

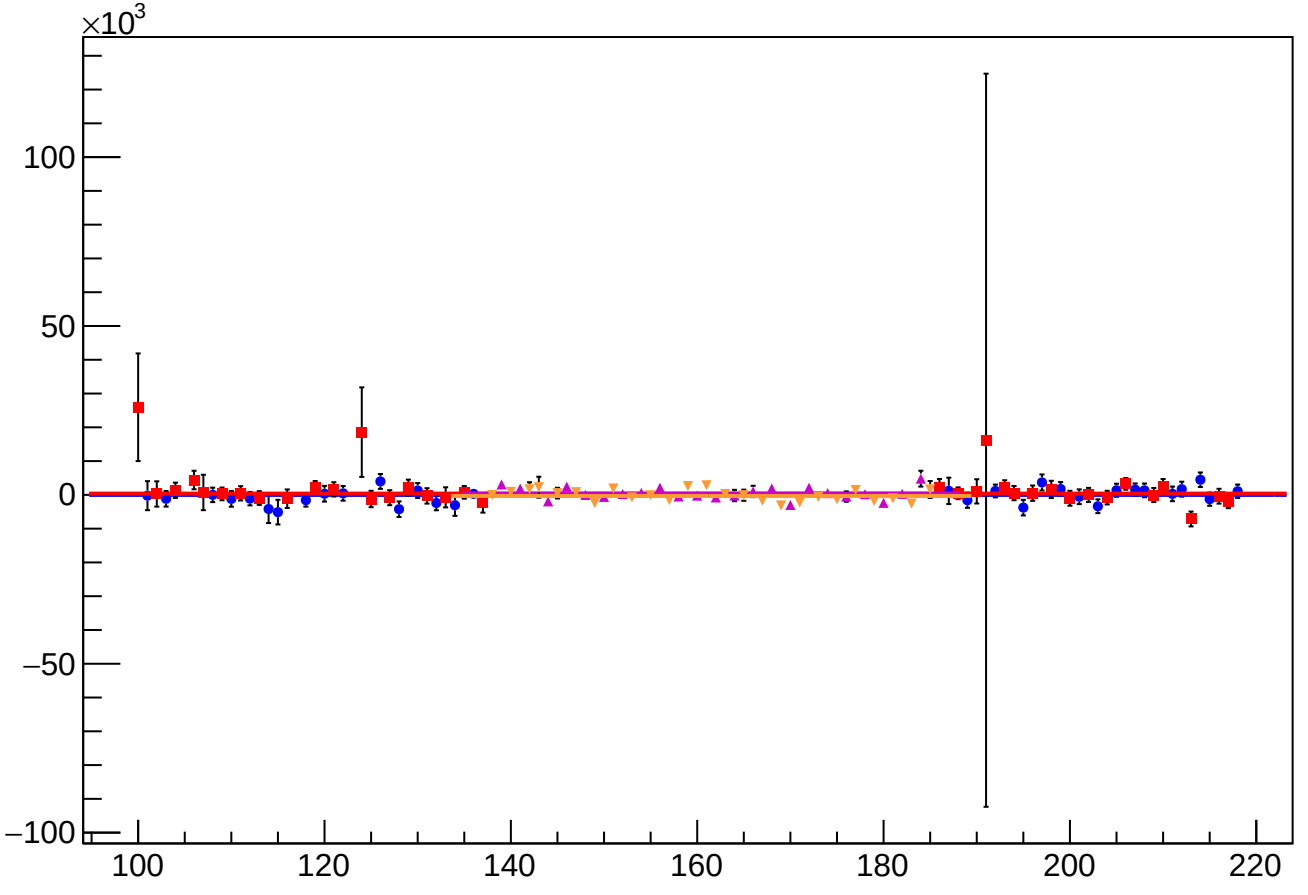
Left In: 276.299+/-0.049 χ^2/NDF:4027371.0/22

+ sign 297.016+/-0.042 χ^2/NDF: 28180575.6/56

All: 308.099+/-0.031 χ^2/NDF: 53743924.0/11

- sign 320.571+/-0.044 χ^2/NDF: 25414974.5/58

asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -3.835+/-386.837 χ^2/NDF: 30.5/31

Left Out: -319.744+/-298.271 χ^2/NDF:31.6/24

Right Out: 376.597+/-389.381 χ^2/NDF: 30.7/35

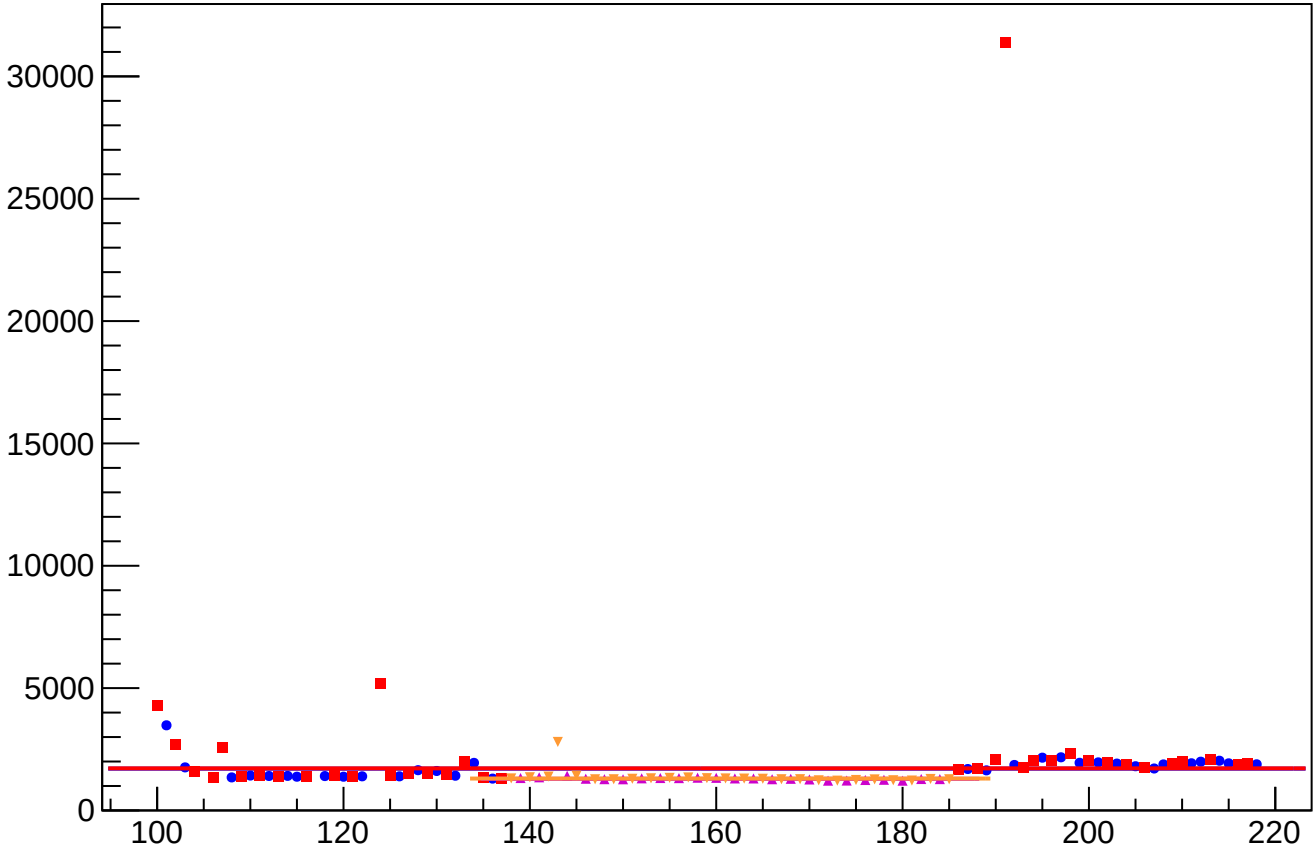
Left In: 356.387+/-301.902 χ^2/NDF:29.7/22

\+ sign -201.957+/-236.209 χ^2/NDF: 62.5/56

All: 78.172+/-167.860 χ^2/NDF: 125.7/115

\- sign 363.975+/-238.589 χ^2/NDF: 60.4/58

asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1708.263+/-0.274 χ^2/NDF: 1296769.5/31

Left Out: 1304.156+/-0.211 χ^2/NDF:519609.1/24

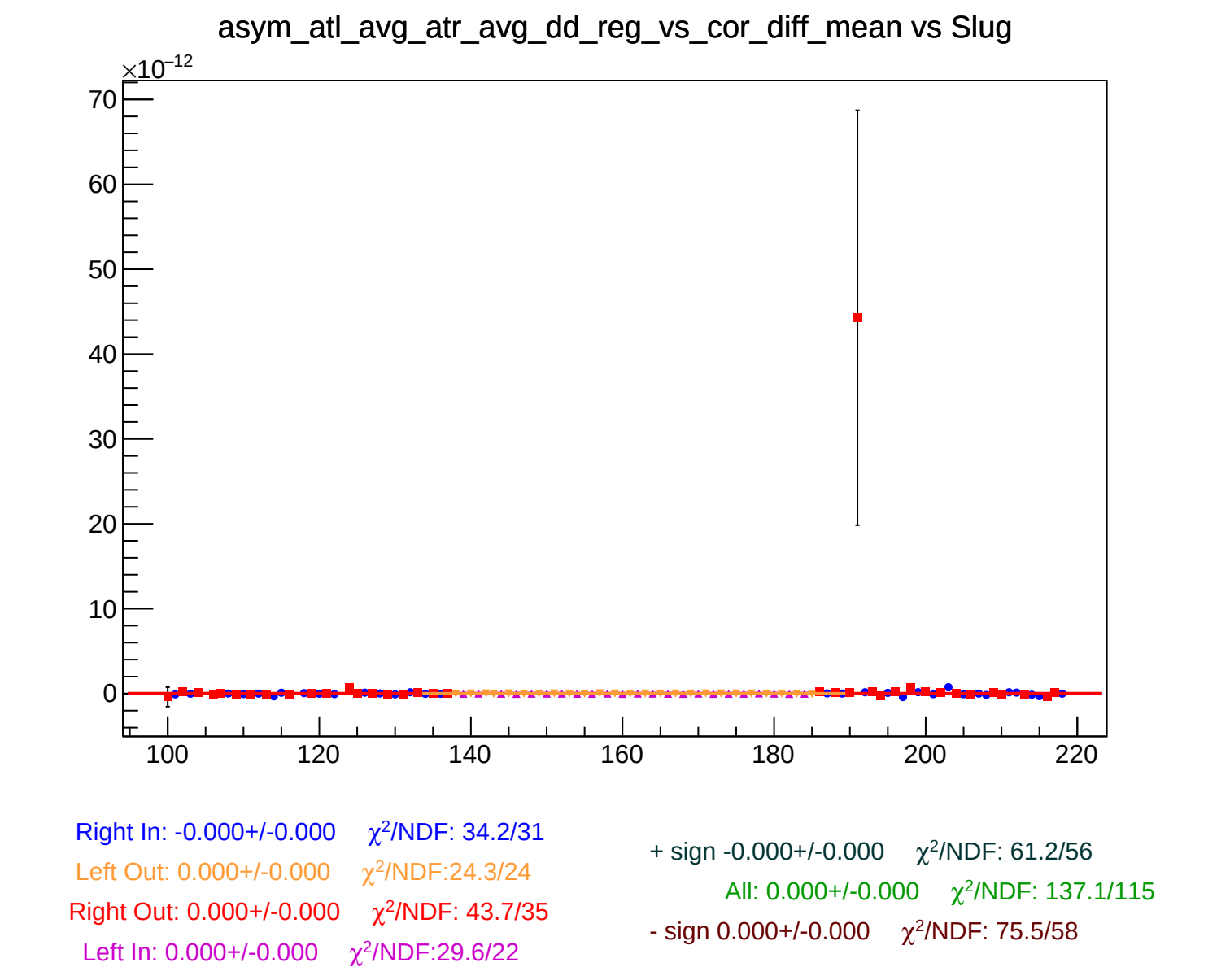
Right Out: 1720.339+/-0.275 χ^2/NDF: 1537129.1/35

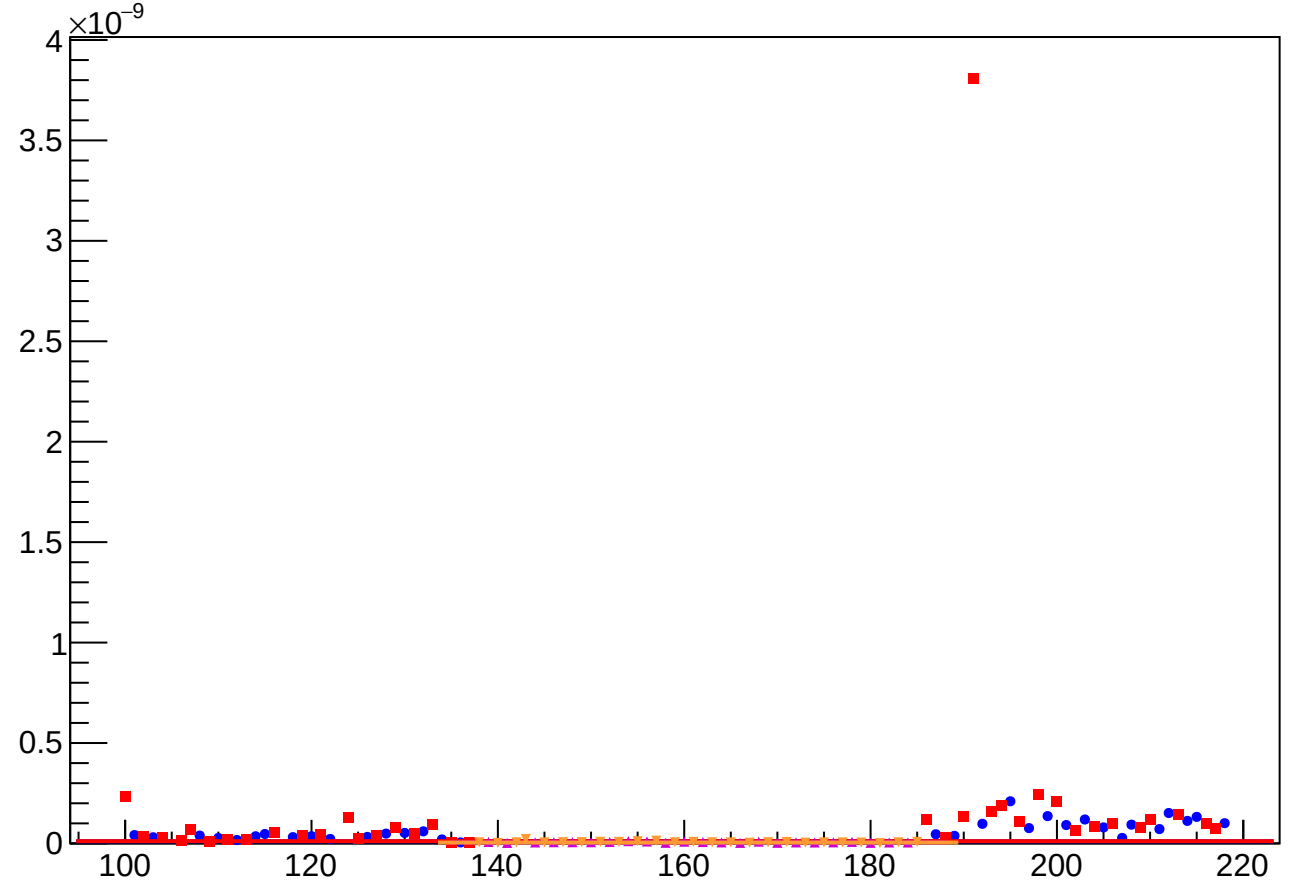
Left In: 1292.123+/-0.213 χ^2/NDF:48343.1/22

+ sign 1454.828+/-0.167 χ^2/NDF: 3185172.5/56

All: 1453.872+/-0.119 χ^2/NDF: 6281403.9/11

- sign 1452.897+/-0.169 χ^2/NDF: 3096165.2/58


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
200
220
Right In: -0.000+/-0.000 χ²/NDF: 34.2/31
Left Out: 0.000+/-0.000 χ²/NDF:24.3/24
Right Out: 0.000+/-0.000 χ²/NDF: 43.7/35
Left In: 0.000+/-0.000 χ²/NDF:29.6/22
+ sign -0.000+/-0.000 χ²/NDF: 61.2/56
All: 0.000+/-0.000 χ²/NDF: 137.1/115
- sign 0.000+/-0.000 χ²/NDF: 75.5/58



Right In: 0.000+/-0.000 χ^2/NDF: 10777670.4/31

Left Out: 0.000+/-0.000 χ^2/NDF:2715297.7/24

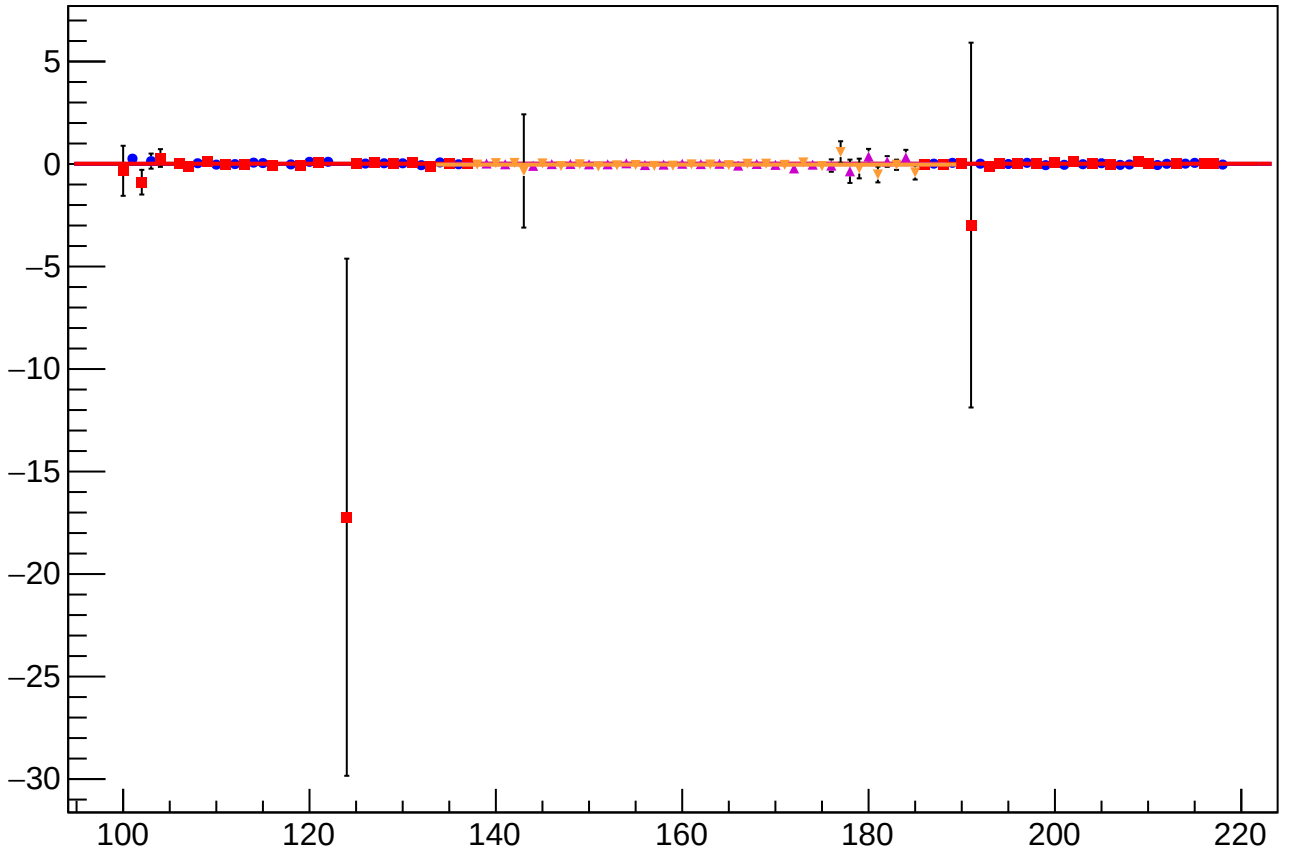
Right Out: 0.000+/-0.000 χ^2/NDF: 12261856.5/35

Left In: 0.000+/-0.000 χ^2/NDF:1884808.0/22

\+ sign 0.000+/-0.000 χ^2/NDF: 14885456.3/56

All: 0.000+/-0.000 χ^2/NDF: 30383817.8/115

\- sign 0.000+/-0.000 χ^2/NDF: 15473714.8/58



Right In: 0.007+/-0.010 χ^2/NDF: 19.2/31

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

Right Out: 0.015+/-0.010 χ^2/NDF: 27.2/35

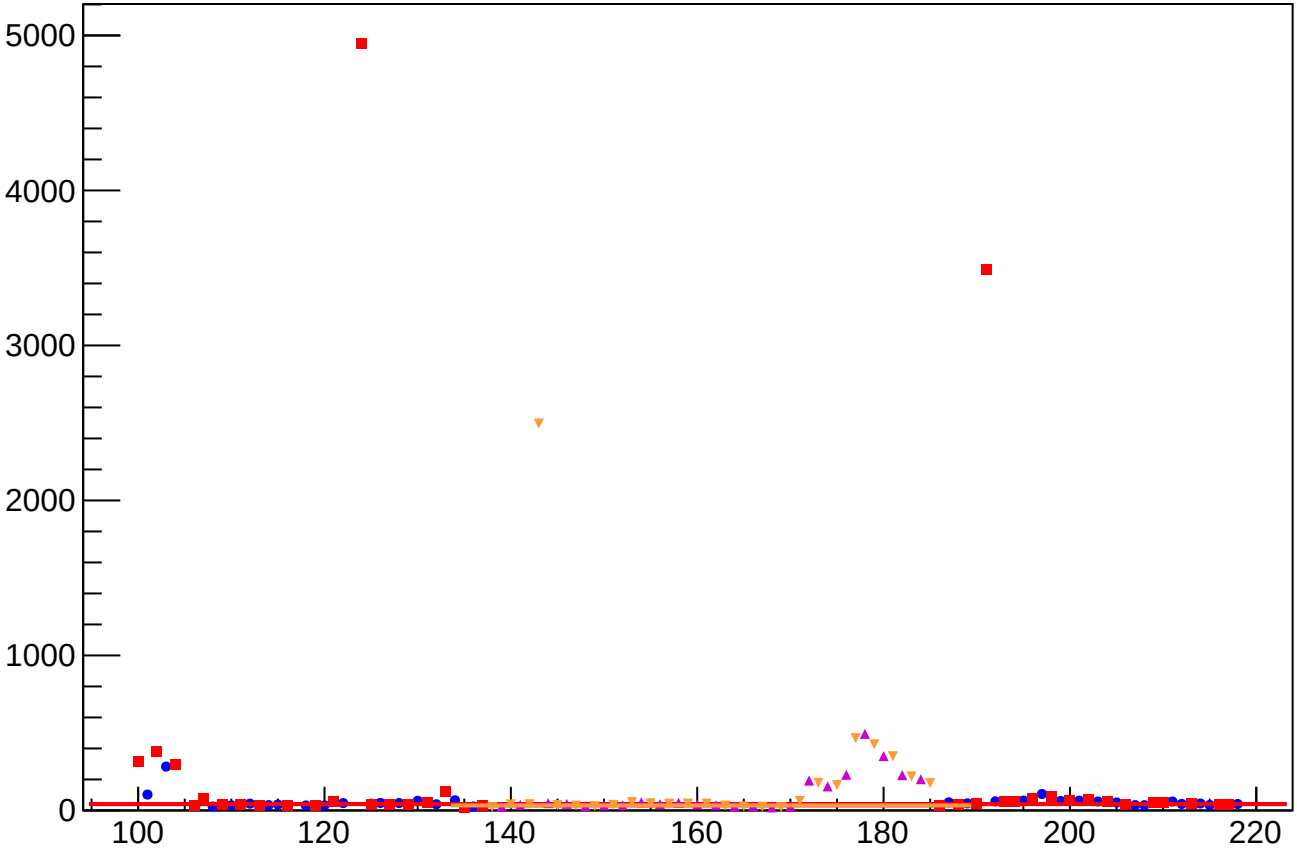
Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

+ sign -0.012+/-0.007 χ^2/NDF: 53.4/56

All: -0.005+/-0.005 χ^2/NDF: 98.9/115

- sign 0.001+/-0.007 χ^2/NDF: 43.8/58

asym_atl_avg_atr_avg_dd_dit_vs_cor_diff_rms vs Slug



Right In: 41.228+/-0.007 χ^2/NDF: 4315175.4/31

Left Out: 32.551+/-0.007 χ^2/NDF:10871758.1/24

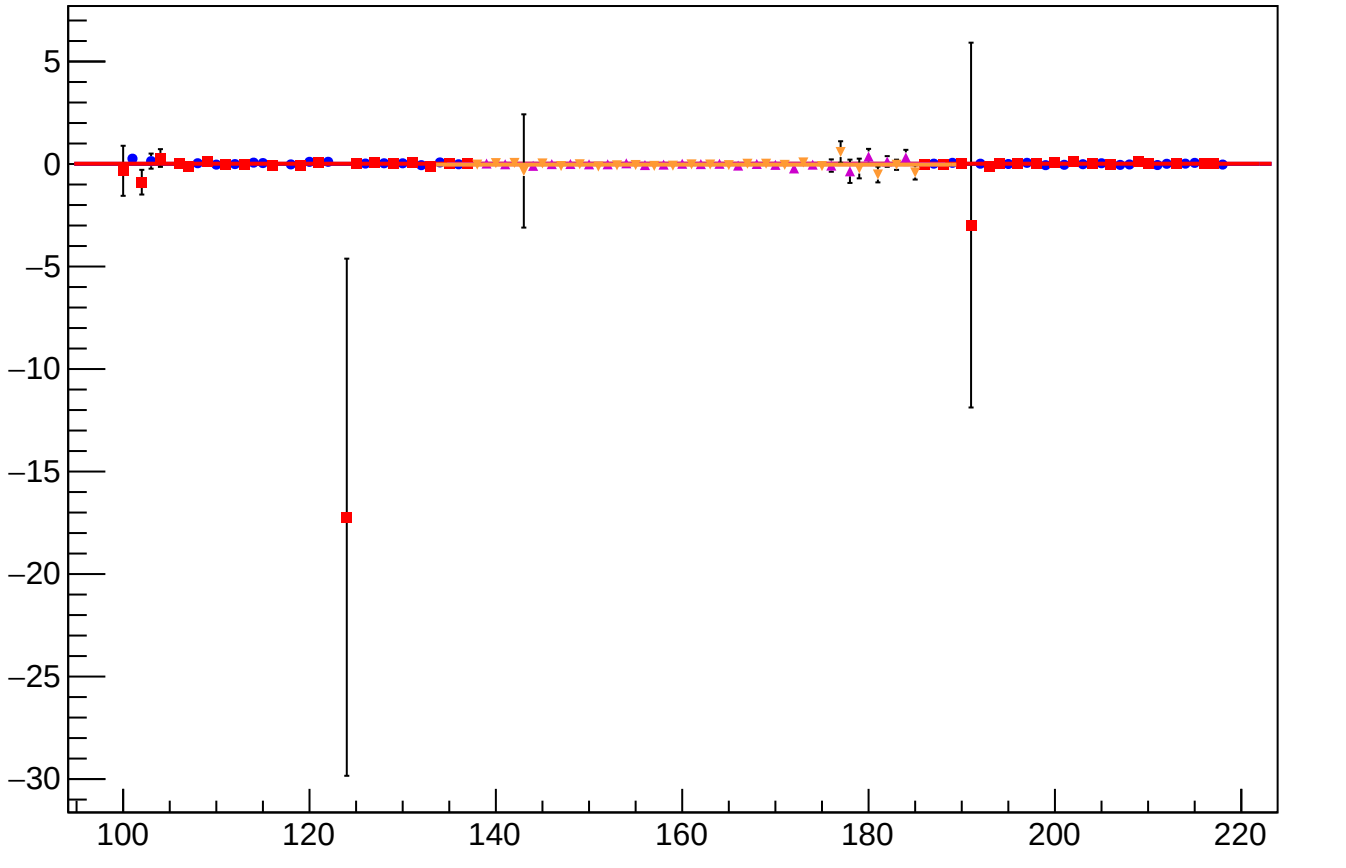
Right Out: 41.043+/-0.007 χ^2/NDF: 5538326.8/35

Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

+ sign 36.516+/-0.005 χ^2/NDF: 15946757.1/56

All: 36.511+/-0.004 χ^2/NDF: 31141671.2/115

- sign 36.505+/-0.005 χ^2/NDF: 15194911.8/58



Right In: 0.007+/-0.010 χ^2/NDF: 19.2/31

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

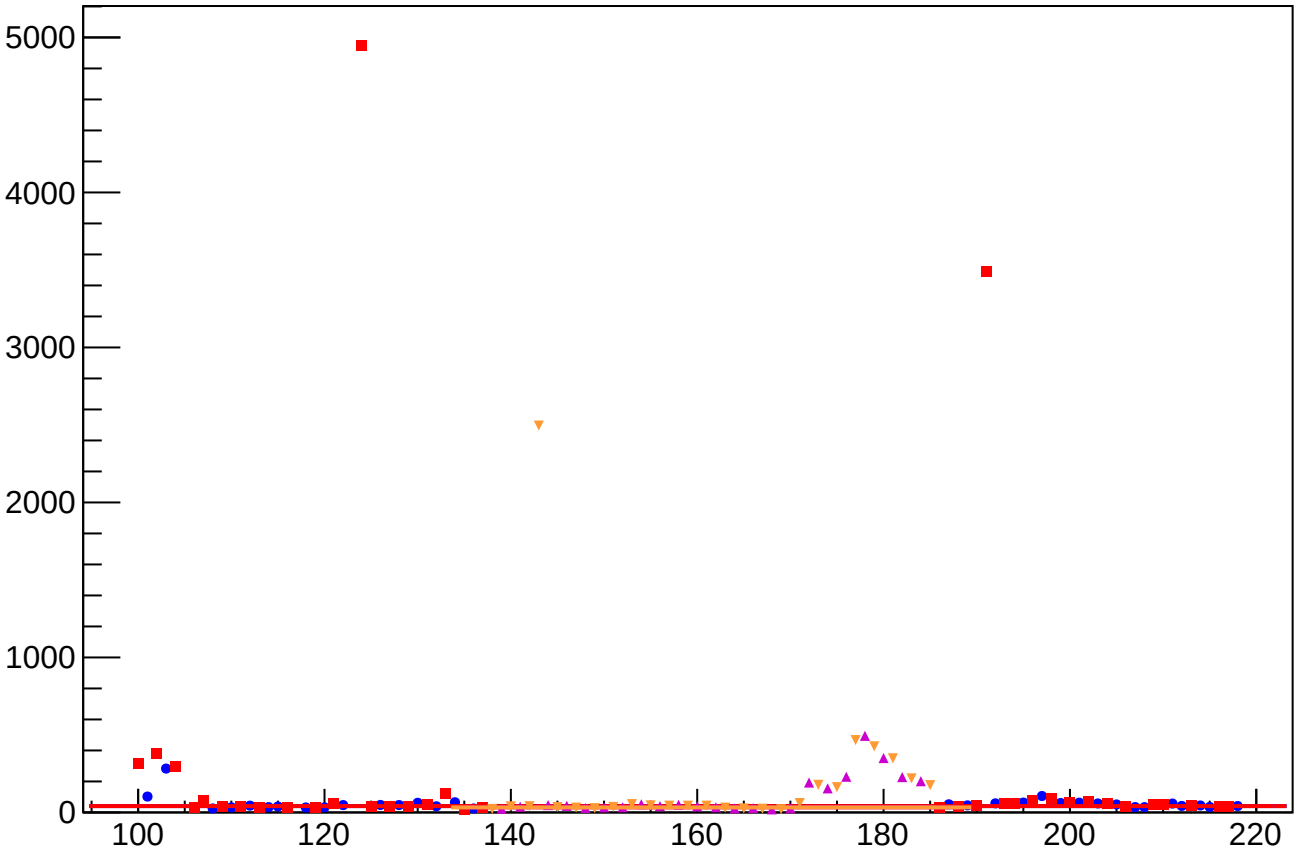
Right Out: 0.015+/-0.010 χ^2/NDF: 27.2/35

Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

+ sign -0.012+/-0.007 χ^2/NDF: 53.4/56

All: -0.005+/-0.005 χ^2/NDF: 98.9/115

- sign 0.001+/-0.007 χ^2/NDF: 43.8/58



Right In: 41.228+/-0.007 χ^2/NDF: 4315175.4/31

Left Out: 32.551+/-0.007 χ^2/NDF:10871758.1/24

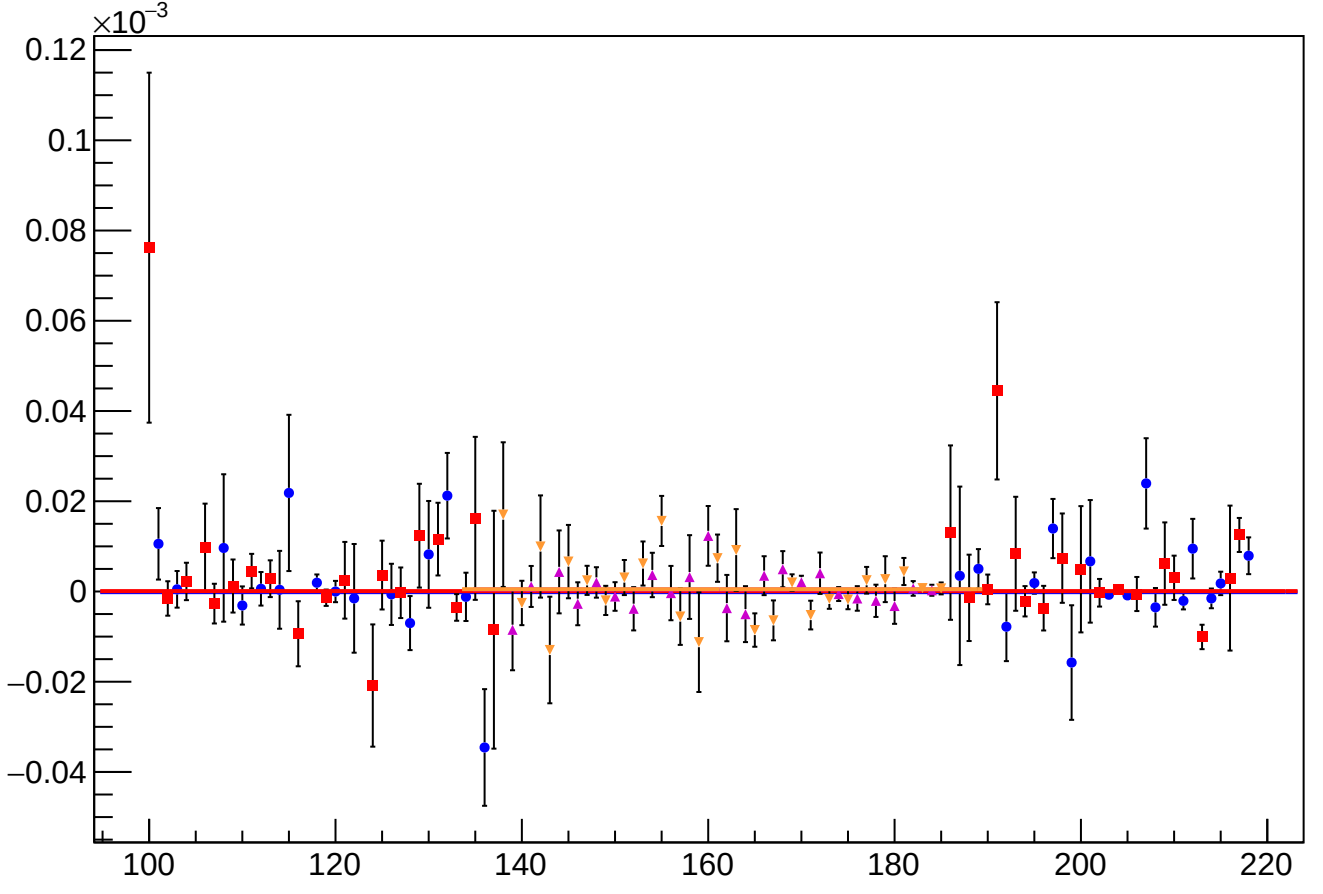
Right Out: 41.043+/-0.007 χ^2/NDF: 5538326.8/35

Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

+ sign 36.516+/-0.005 χ^2/NDF: 15946757.1/56

All: 36.511+/-0.004 χ^2/NDF: 31141671.2/115

- sign 36.505+/-0.005 χ^2/NDF: 15194911.8/58



Right In: -0.000+/-0.000 χ^2/NDF: 44.8/31

Left Out: 0.000+/-0.000 χ^2/NDF:35.7/24

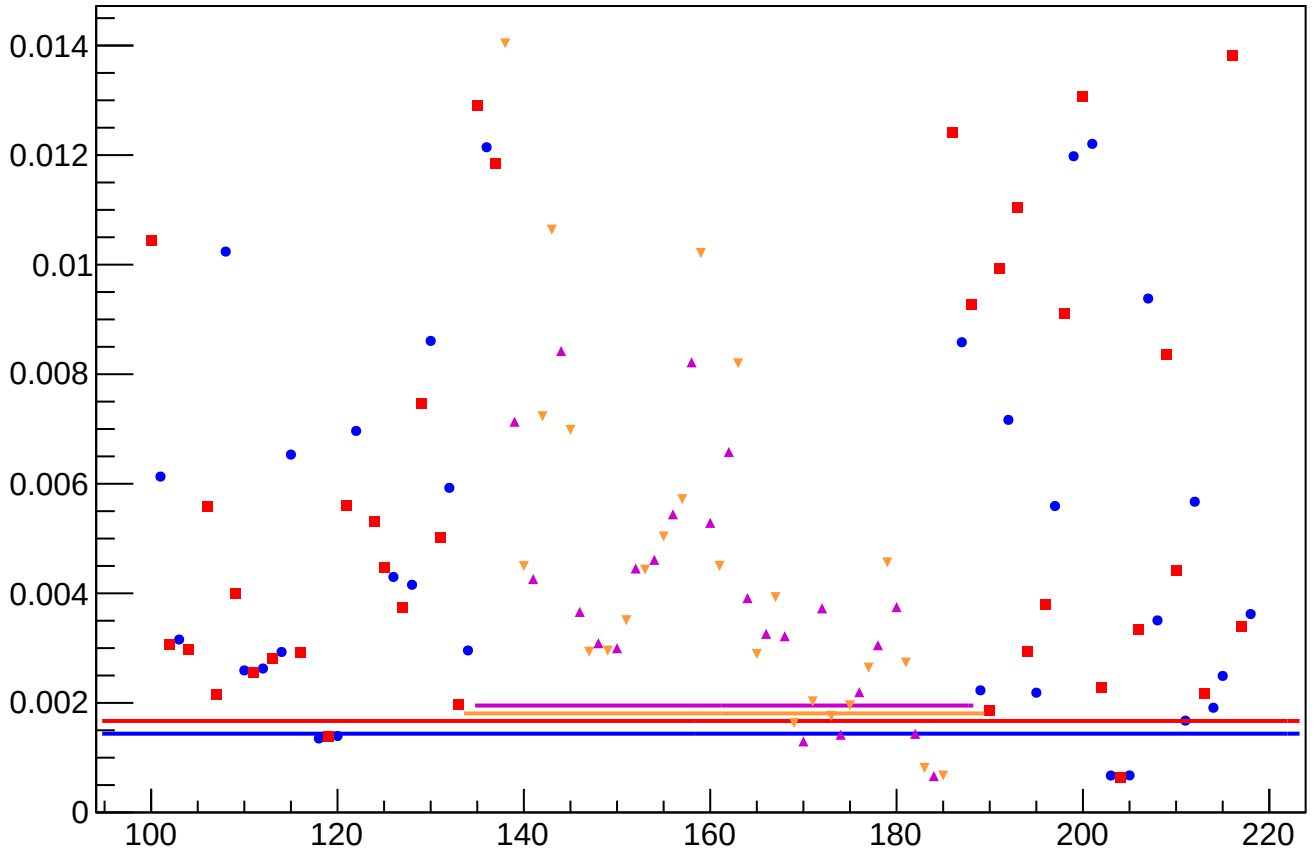
Right Out: 0.000+/-0.000 χ^2/NDF: 52.0/35

Left In: 0.000+/-0.000 χ^2/NDF:13.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 81.4/56

All: 0.000+/-0.000 χ^2/NDF: 147.3/115

- sign 0.000+/-0.000 χ^2/NDF: 65.9/58



Right In: 0.001+/-0.000 χ^2/NDF: 17883607.9/31

Left Out: 0.002+/-0.000 χ^2/NDF:14941257.4/24

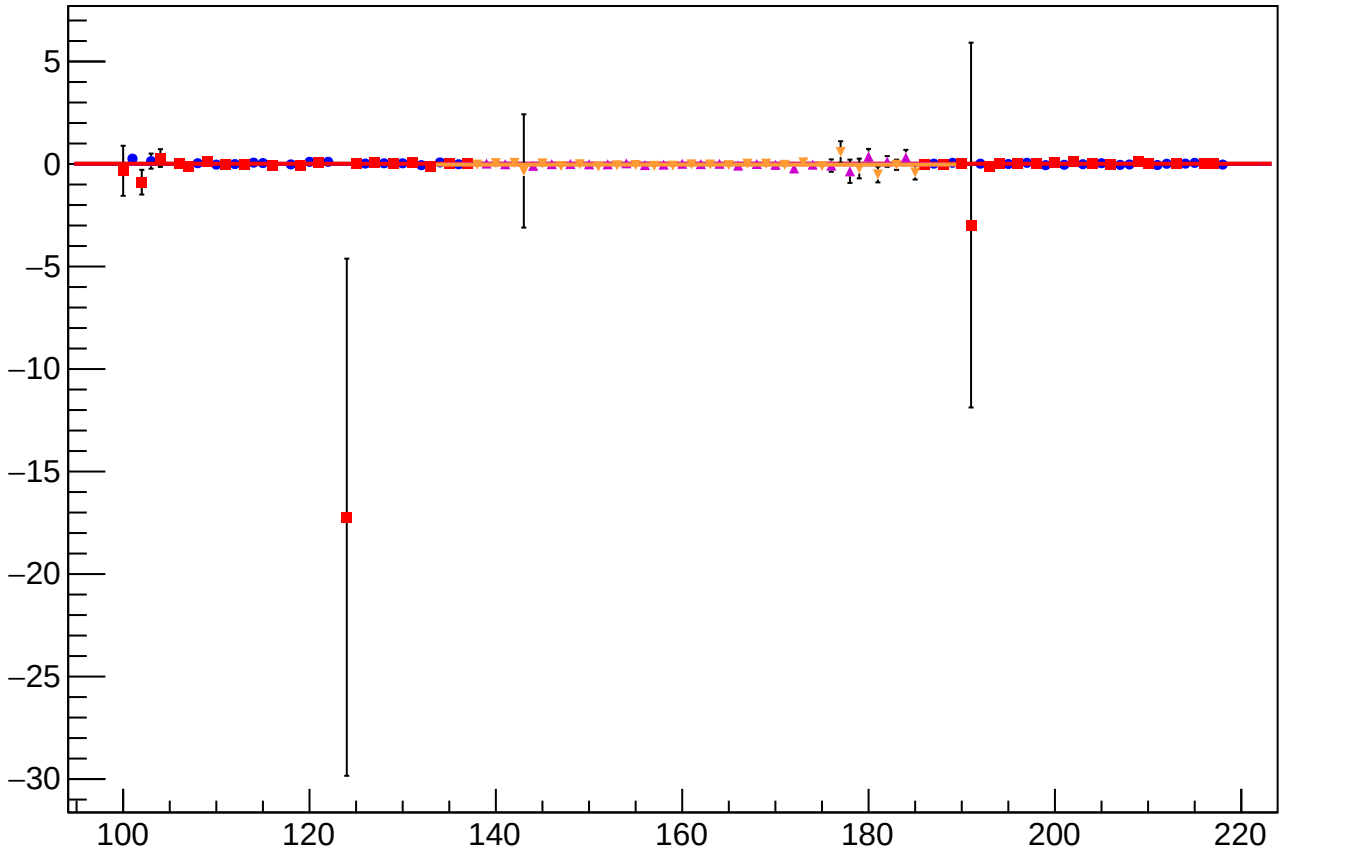
Right Out: 0.002+/-0.000 χ^2/NDF: 18856042.8/35

Left In: 0.002+/-0.000 χ^2/NDF:11478607.0/22

+ sign 0.002+/-0.000 χ^2/NDF: 33349898.1/56

All: 0.002+/-0.000 χ^2/NDF: 64224810.0/115

- sign 0.002+/-0.000 χ^2/NDF: 30583031.0/58



Right In: 0.007+/-0.010 χ^2/NDF: 19.2/31

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

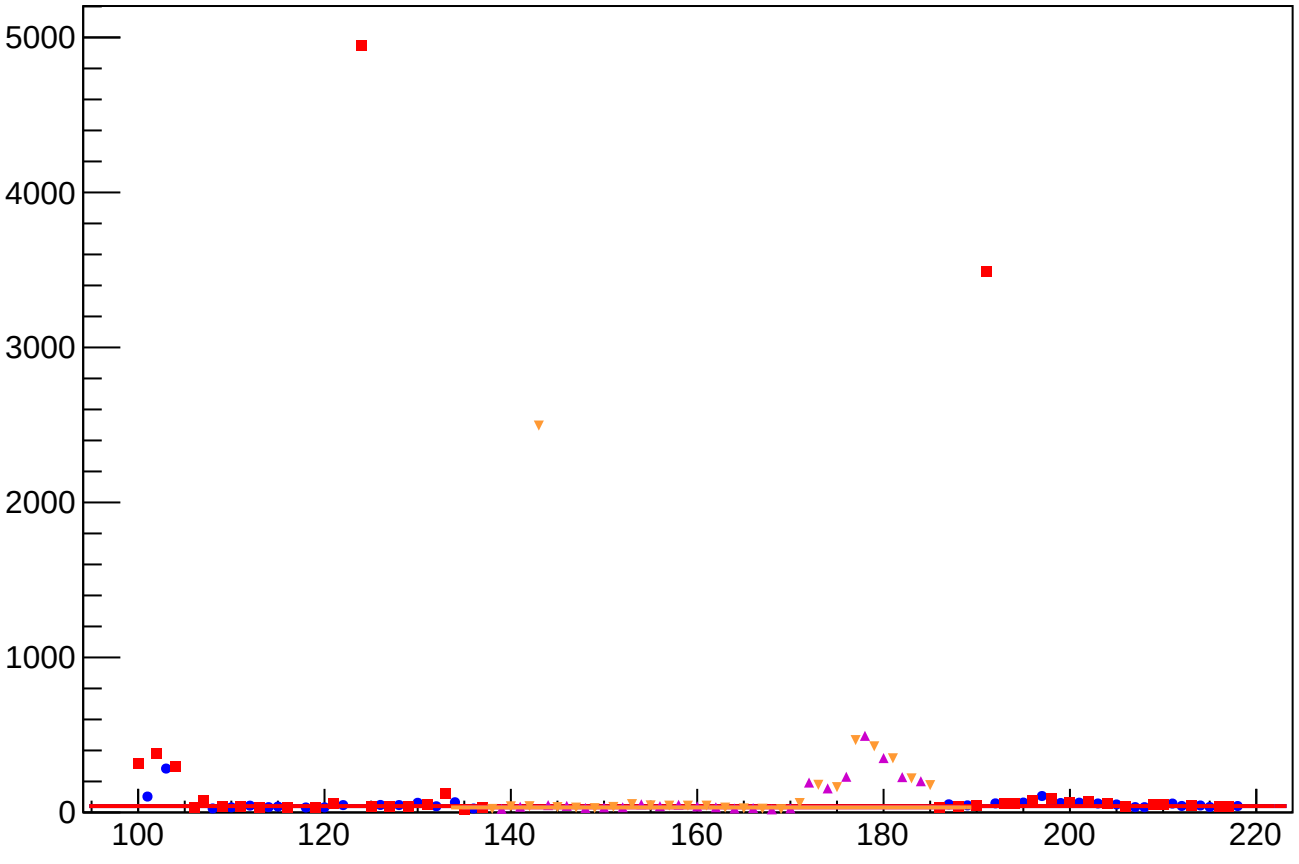
Right Out: 0.015+/-0.010 χ^2/NDF: 27.2/35

Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

\+ sign -0.012+/-0.007 χ^2/NDF: 53.4/56

All: -0.005+/-0.005 χ^2/NDF: 98.9/115

\- sign 0.001+/-0.007 χ^2/NDF: 43.8/58



Right In: 41.228+/-0.007 χ^2/NDF: 4314811.8/31

Left Out: 32.551+/-0.007 χ^2/NDF:10872015.8/24

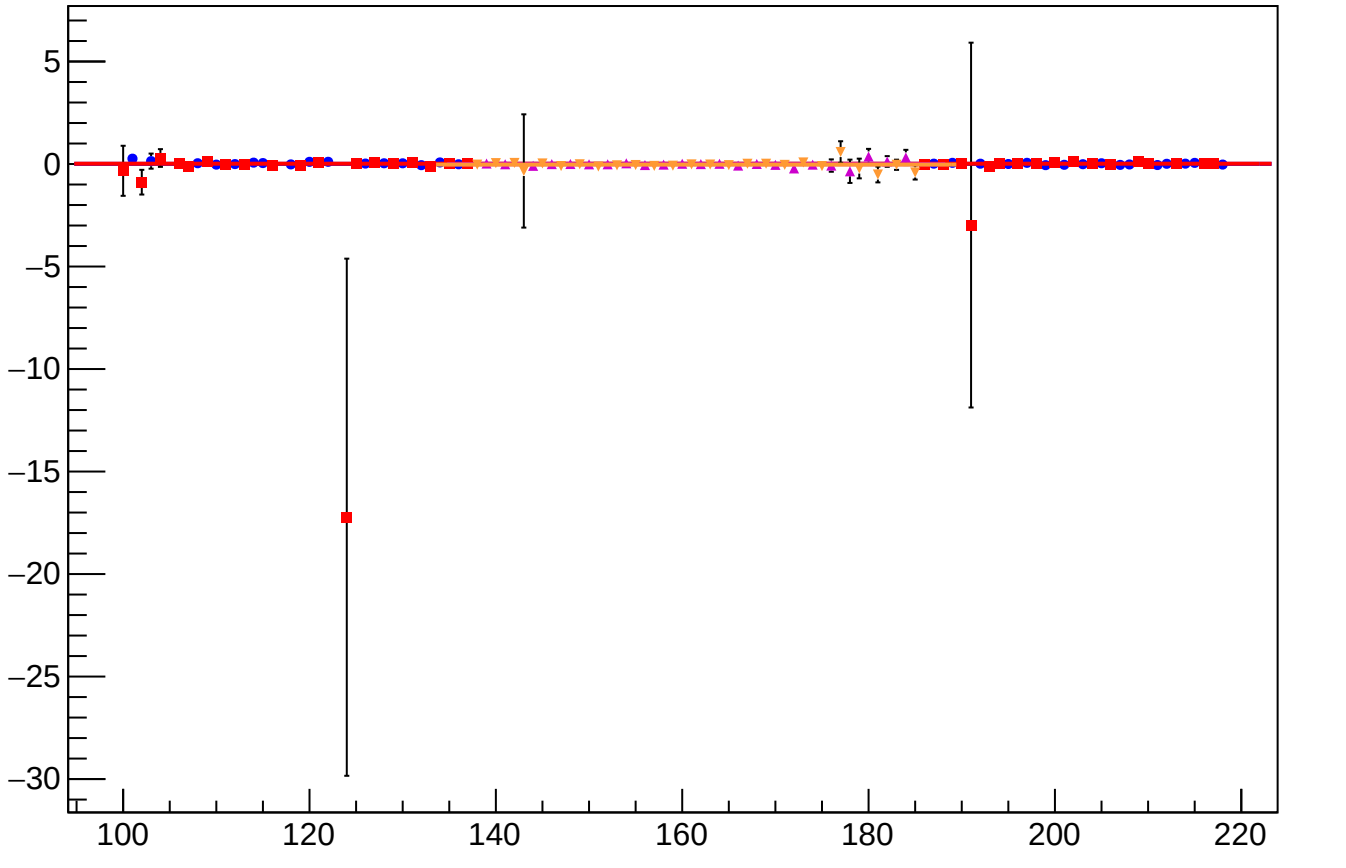
Right Out: 41.043+/-0.007 χ^2/NDF: 5538148.3/35

Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

+ sign 36.516+/-0.005 χ^2/NDF: 15946717.5/56

All: 36.510+/-0.004 χ^2/NDF: 31142298.4/115

- sign 36.504+/-0.005 χ^2/NDF: 15195578.2/58



Right In: 0.007+/-0.010 χ^2/NDF: 19.2/31

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

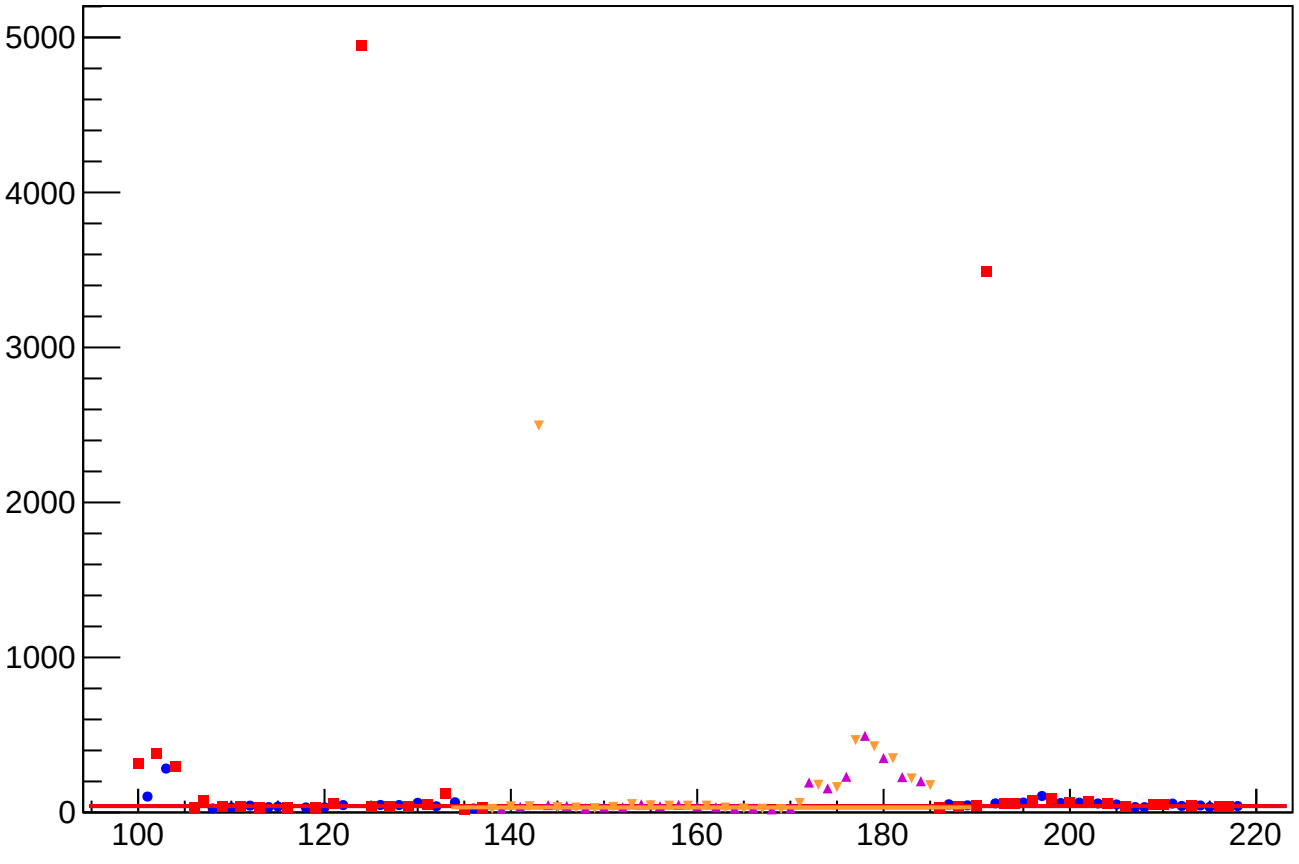
Right Out: 0.015+/-0.010 χ^2/NDF: 27.2/35

Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

+ sign -0.012+/-0.007 χ^2/NDF: 53.4/56

All: -0.005+/-0.005 χ^2/NDF: 98.9/115

- sign 0.001+/-0.007 χ^2/NDF: 43.8/58



Right In: 41.228+/-0.007 χ^2/NDF: 4314811.8/31

Left Out: 32.551+/-0.007 χ^2/NDF:10872015.8/24

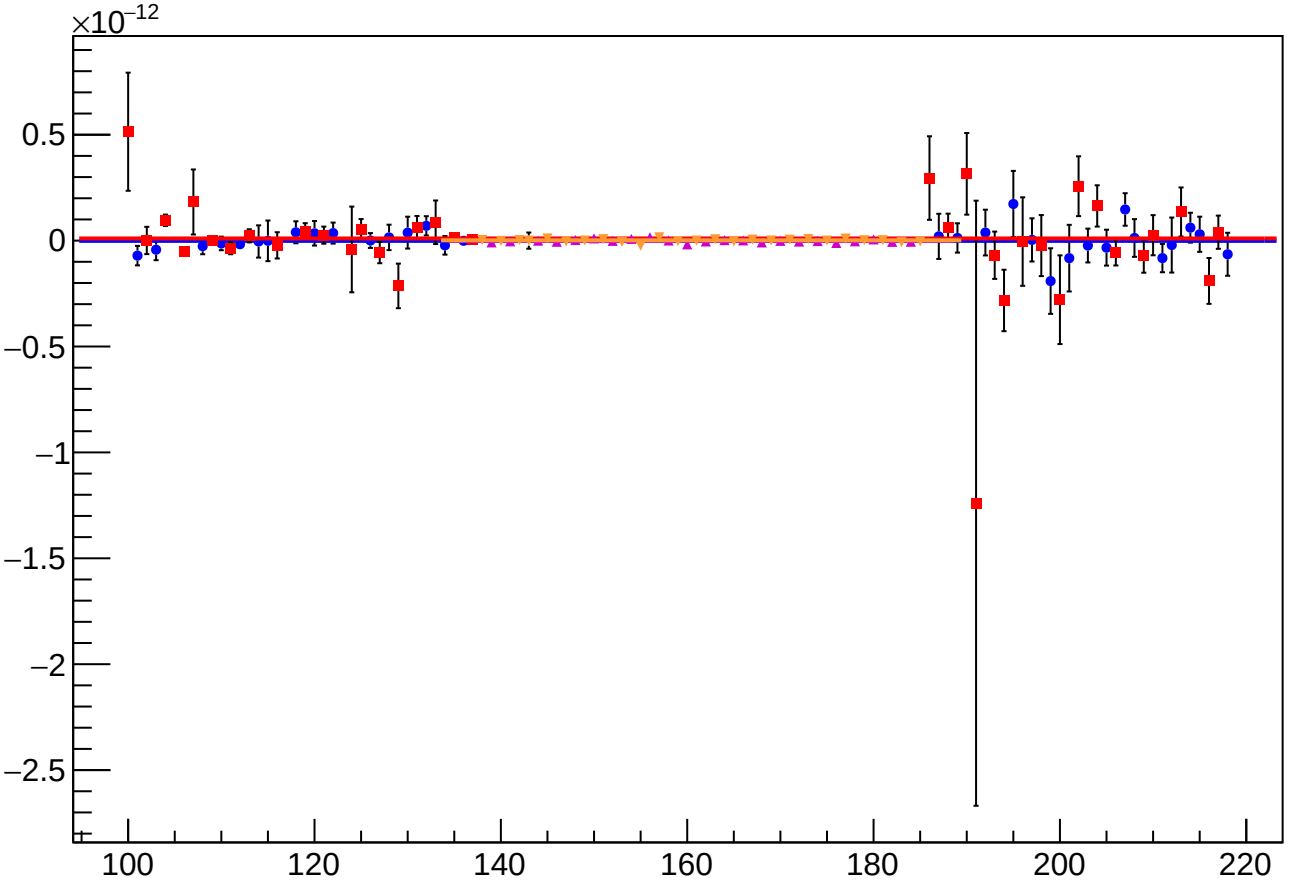
Right Out: 41.043+/-0.007 χ^2/NDF: 5538148.3/35

Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

+ sign 36.516+/-0.005 χ^2/NDF: 15946717.5/56

All: 36.510+/-0.004 χ^2/NDF: 31142298.4/115

- sign 36.504+/-0.005 χ^2/NDF: 15195578.2/58



Right In: -0.000+/-0.000 χ^2/NDF: 18.6/31

Left Out: 0.000+/-0.000 χ^2/NDF:18.1/24

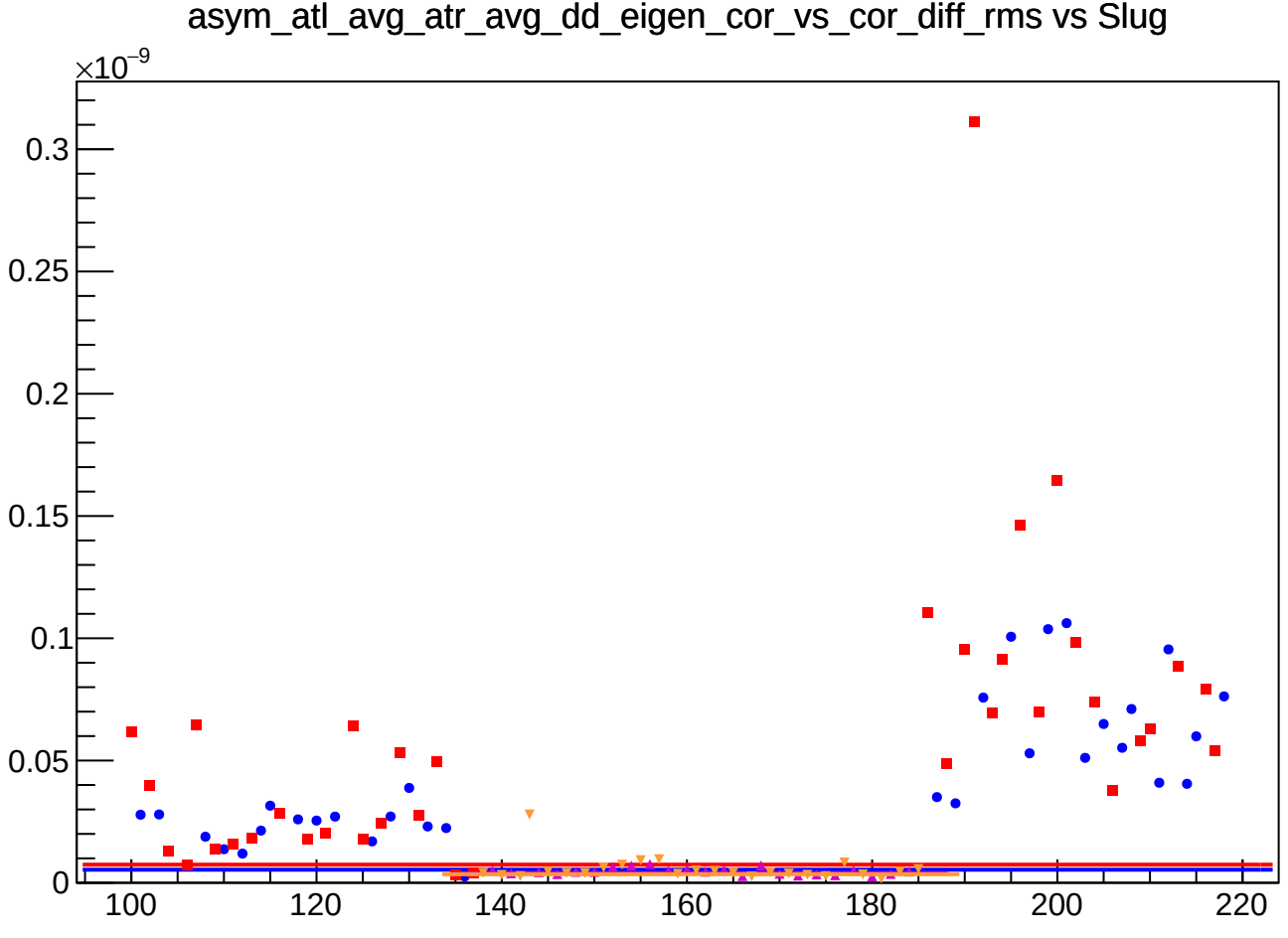
Right Out: 0.000+/-0.000 χ^2/NDF: 65.0/35

Left In: -0.000+/-0.000 χ^2/NDF:28.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 37.3/56

All: 0.000+/-0.000 χ^2/NDF: 139.3/115

- sign -0.000+/-0.000 χ^2/NDF: 100.9/58



Right In: 0.000+/-0.000 χ^2/NDF: 16874327.4/31

Left Out: 0.000+/-0.000 χ^2/NDF:4688121.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 17002274.1/35

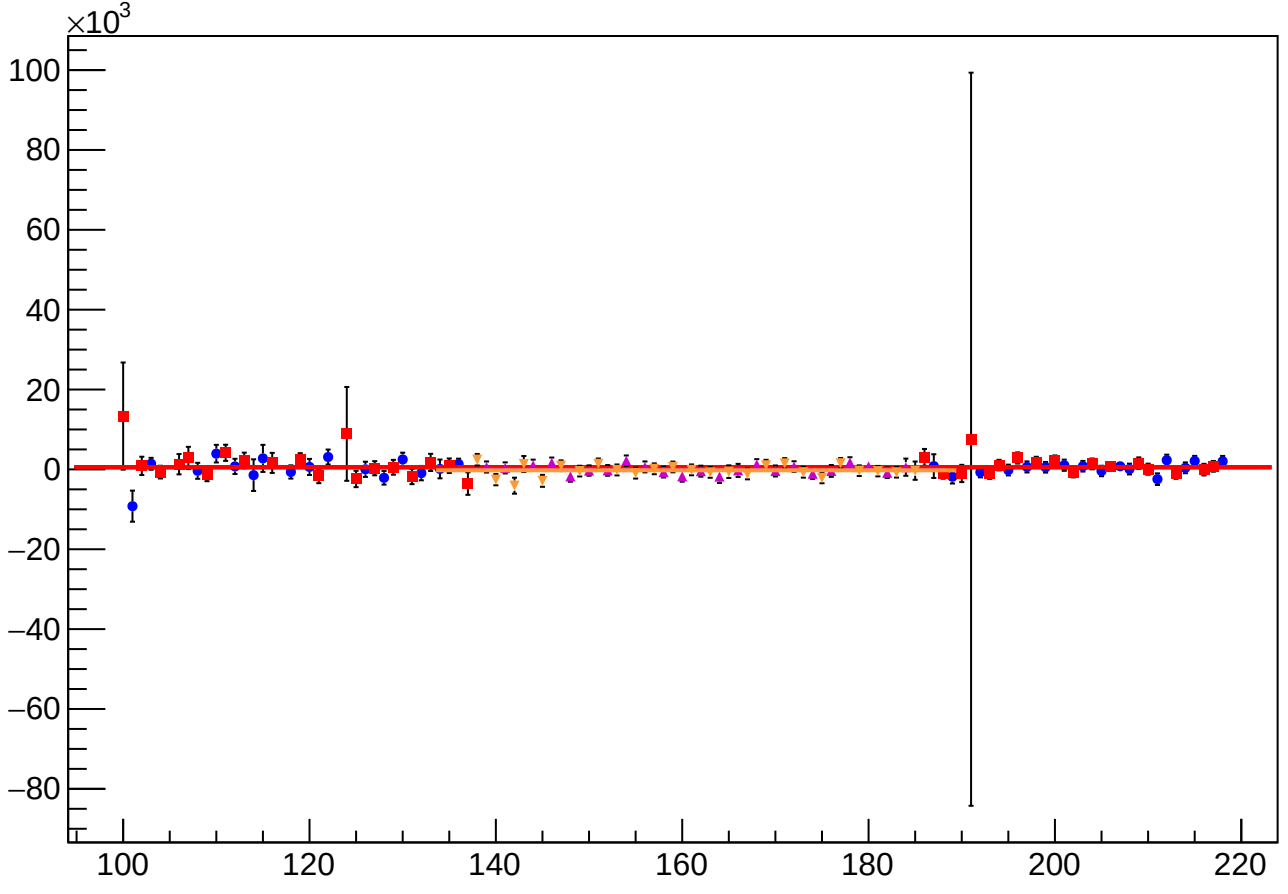
Left In: 0.000+/-0.000 χ^2/NDF:2073078.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 22113338.0/56

All: 0.000+/-0.000 χ^2/NDF: 42767961.4/115

- sign 0.000+/-0.000 χ^2/NDF: 20372114.2/58

reg_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 483.312+/-282.483 χ^2/NDF: 29.6/31

Left Out: -220.721+/-283.055 χ^2/NDF:23.9/24

Right Out: 592.089+/-283.572 χ^2/NDF: 29.7/35

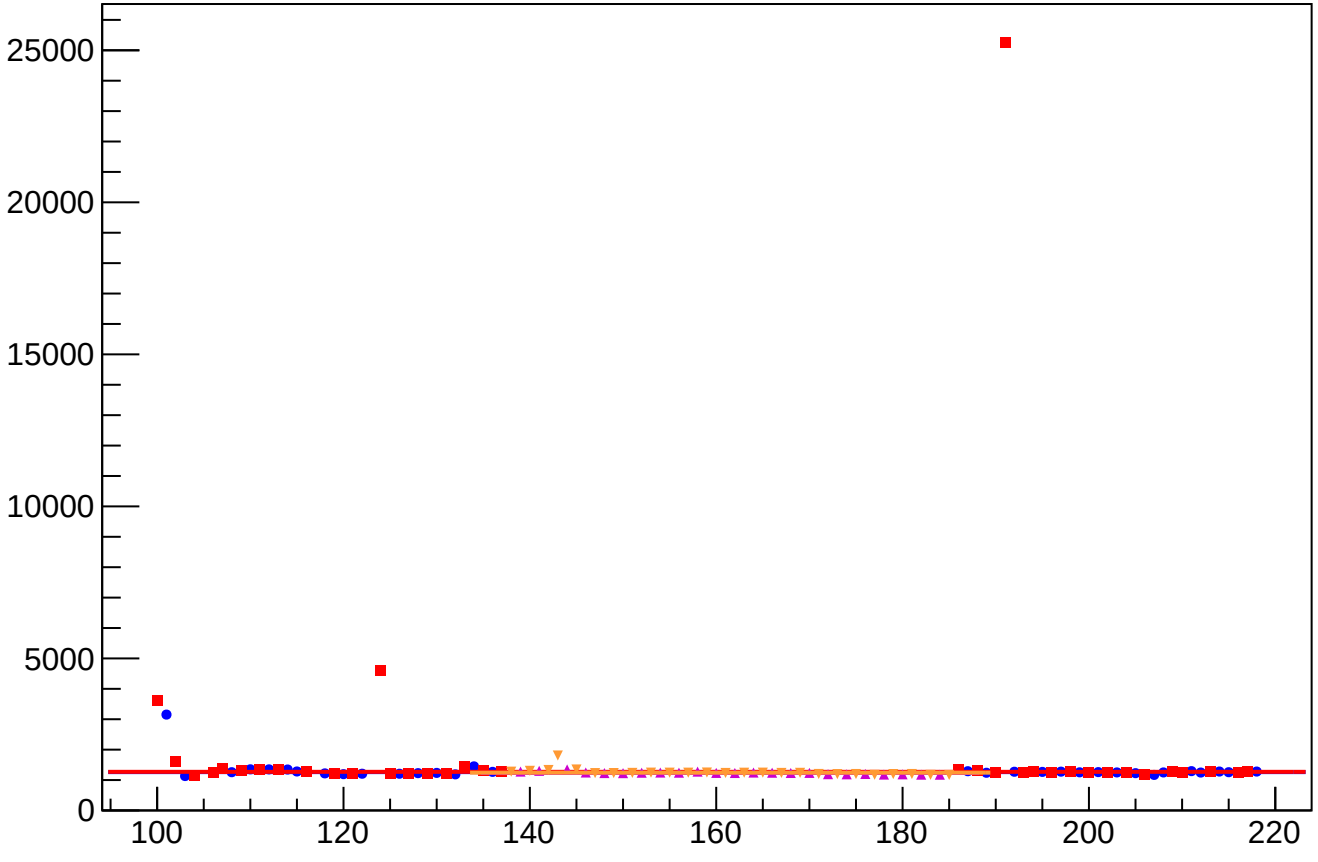
Left In: 92.402+/-288.217 χ^2/NDF:14.7/22

+ sign 132.008+/-199.947 χ^2/NDF: 56.6/56

All: 237.988+/-142.152 χ^2/NDF: 103.1/115

- sign 346.304+/-202.138 χ^2/NDF: 46.0/58

reg_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1260.790+/-0.200 χ^2/NDF: 536064.1/31

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

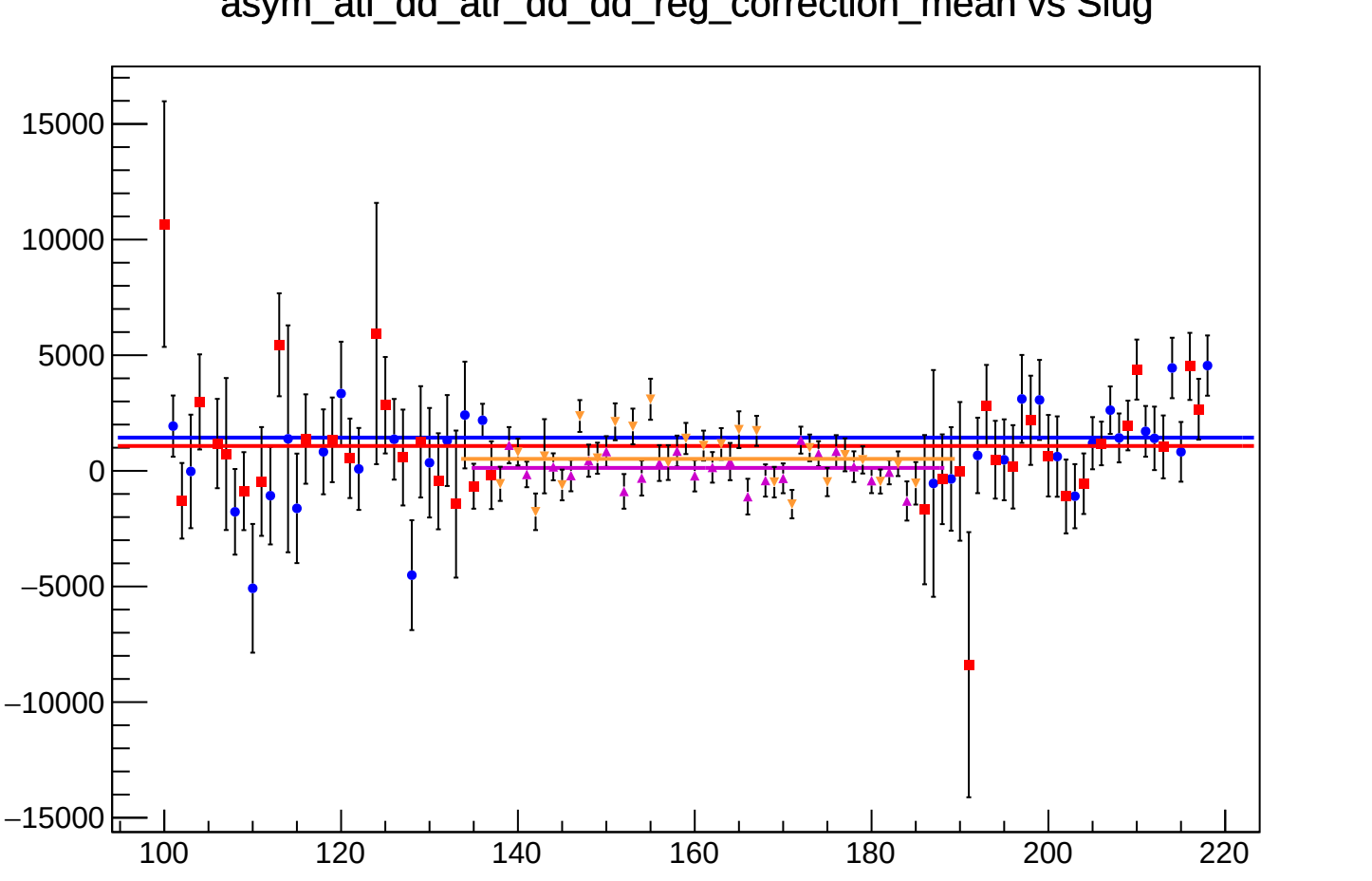
Right Out: 1270.301+/-0.201 χ^2/NDF: 487261.4/35

Left In: 1233.752+/-0.204 χ^2/NDF:39281.8/22

+ sign 1251.825+/-0.141 χ^2/NDF: 743399.5/56

All: 1252.072+/-0.101 χ^2/NDF: 1286290.9/11

- sign 1252.324+/-0.143 χ^2/NDF: 542885.2/58



Right In: 1437.772+/-270.298 χ^2/NDF: 40.5/31

Left Out: 516.792+/-135.746 χ^2/NDF:67.0/24

Right Out: 1075.028+/-283.955 χ^2/NDF: 42.2/35

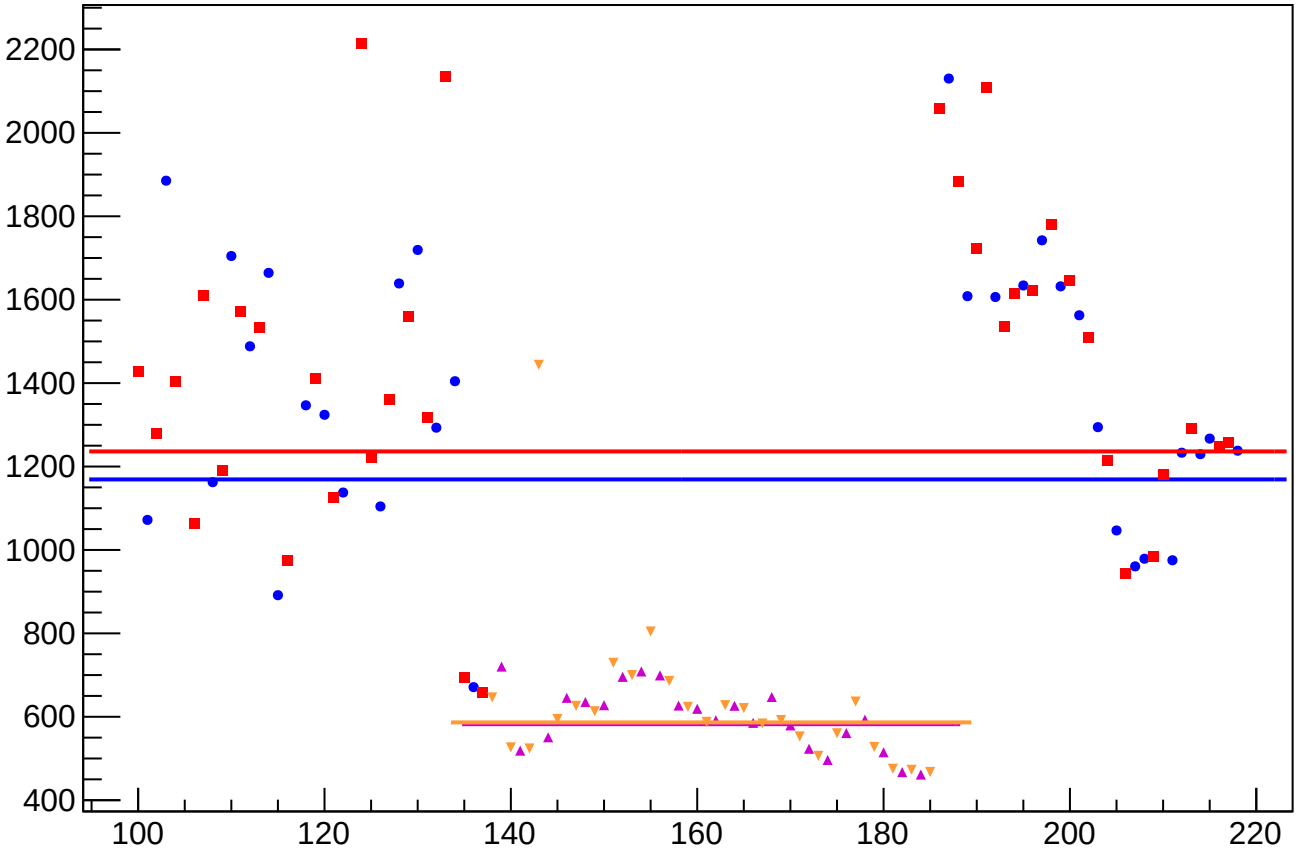
Left In: 126.569+/-137.266 χ^2/NDF:21.6/22

+ sign 702.290+/-121.308 χ^2/NDF: 116.8/56

All: 507.939+/-86.571 χ^2/NDF: 194.8/115

- sign 306.226+/-123.584 χ^2/NDF: 72.8/58

asym_atl_dd_atr_dd_dd_reg_correction_rms vs Slug



Right In: 1169.074+/-0.191 χ^2/NDF: 2713343.1/31

Left Out: 586.557+/-0.096 χ^2/NDF:1202915.7/24

Right Out: 1236.212+/-0.201 χ^2/NDF: 2738450.0/35

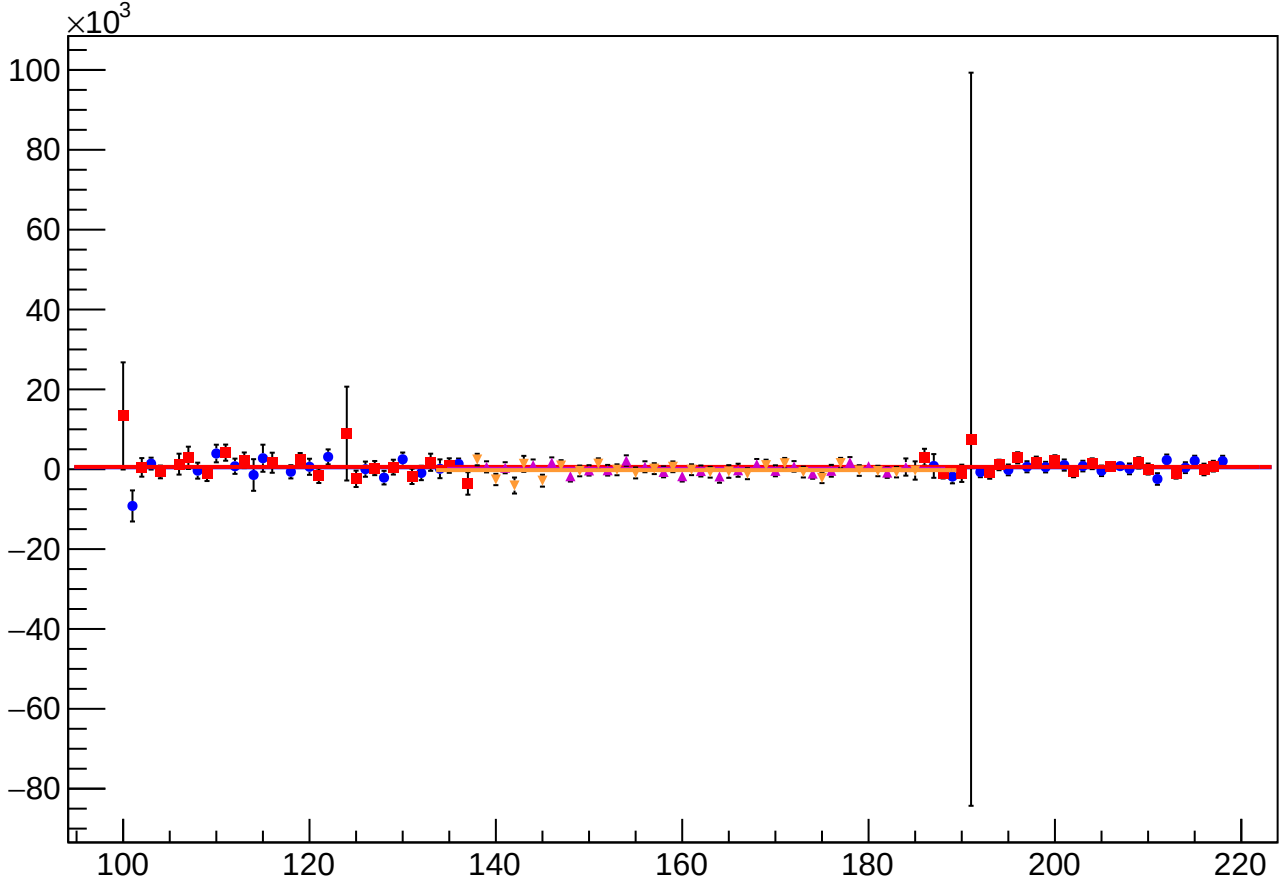
Left In: 582.190+/-0.097 χ^2/NDF:559261.3/22

+ sign 703.884+/-0.086 χ^2/NDF: 11334177.8/56

All: 704.959+/-0.061 χ^2/NDF: 23232490.7/11

- sign 706.075+/-0.087 χ^2/NDF: 11897992.8/58

cor_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 483.499+/-282.483 χ^2/NDF: 29.6/31

Left Out: -220.755+/-283.055 χ^2/NDF:23.9/24

Right Out: 585.051+/-283.740 χ^2/NDF: 29.7/35

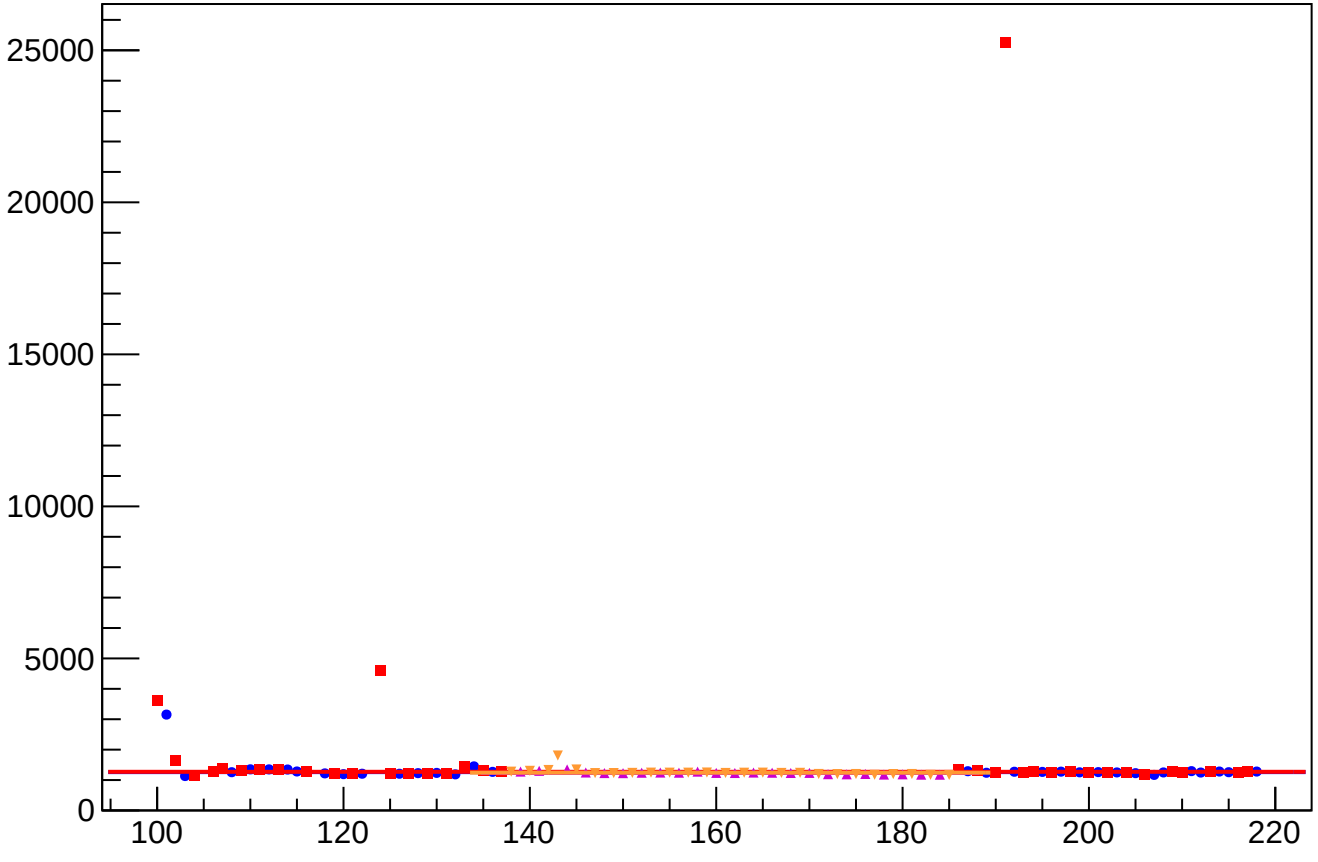
Left In: 92.472+/-288.217 χ^2/NDF:14.7/22

+ sign 132.084+/-199.947 χ^2/NDF: 56.6/56

All: 236.172+/-142.173 χ^2/NDF: 103.0/115

- sign 342.617+/-202.199 χ^2/NDF: 45.9/58

cor_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1260.790+/-0.200 χ^2/NDF: 536065.5/31

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

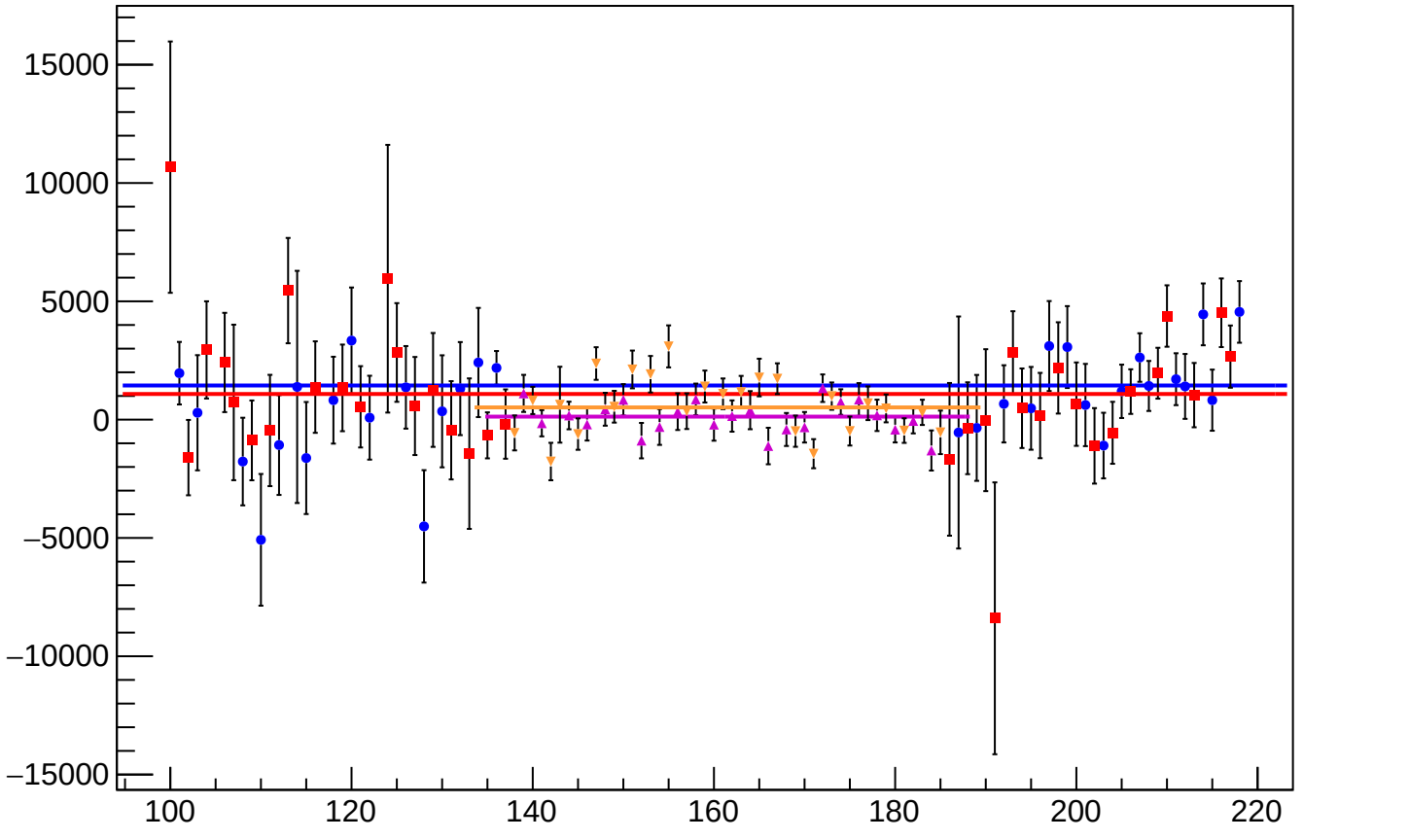
Right Out: 1271.082+/-0.201 χ^2/NDF: 494420.3/35

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

+ sign 1251.825+/-0.141 χ^2/NDF: 743400.8/56

All: 1252.263+/-0.101 χ^2/NDF: 1294160.5/11

- sign 1252.710+/-0.143 χ^2/NDF: 550740.3/58



Right In: 1442.612+/-270.253 χ^2/NDF: 40.4/31

Left Out: 516.811+/-135.747 χ^2/NDF:67.0/24

Right Out: 1083.133+/-284.185 χ^2/NDF: 43.3/35

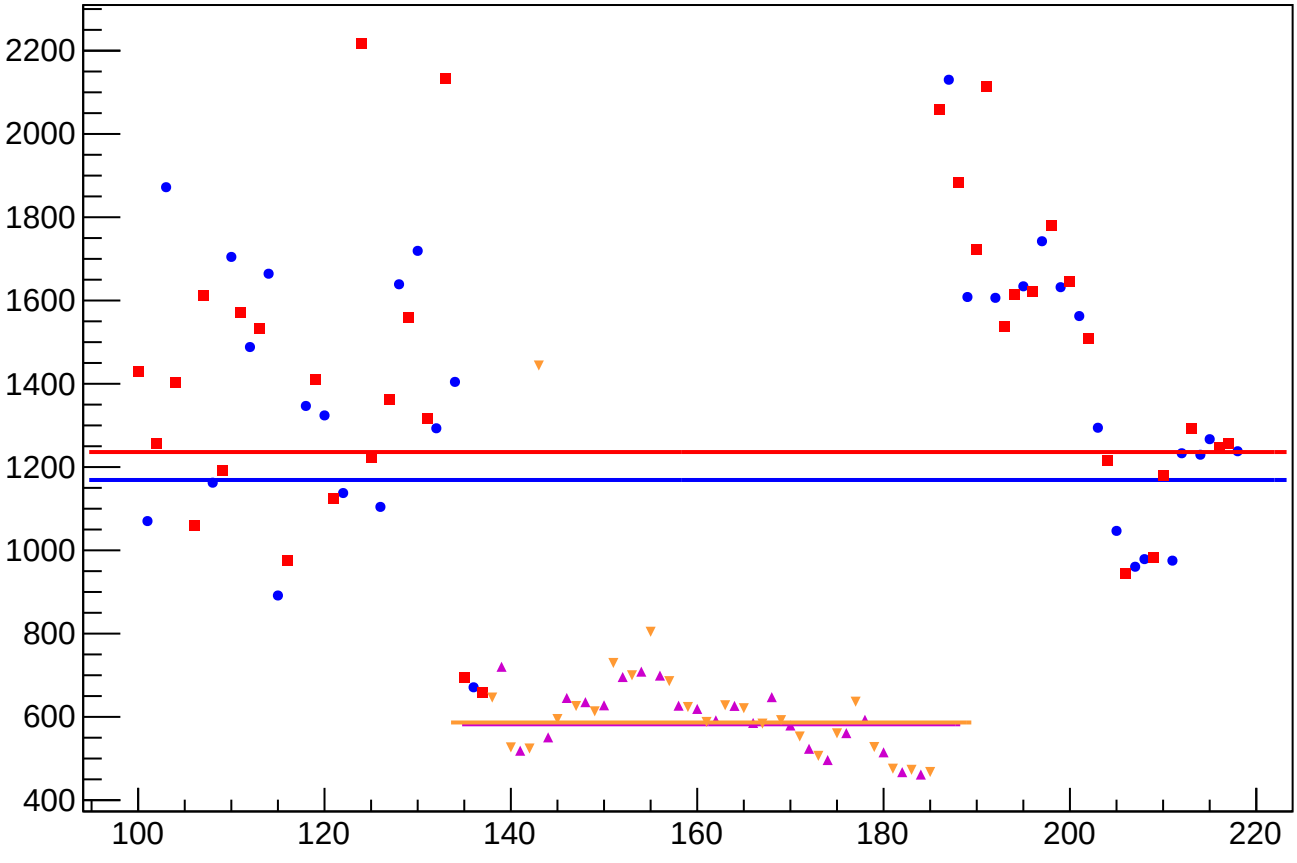
Left In: 126.549+/-137.266 χ^2/NDF:21.6/22

+ sign 703.333+/-121.304 χ^2/NDF: 116.8/56

All: 509.134+/-86.576 χ^2/NDF: 196.1/115

- sign 307.506+/-123.603 χ^2/NDF: 74.1/58

asym_atl_dd_atr_dd_dd_cor_correction_rms vs Slug



Right In: 1168.967+/-0.191 χ^2/NDF: 2710292.2/31

Left Out: 586.562+/-0.096 χ^2/NDF:1202822.0/24

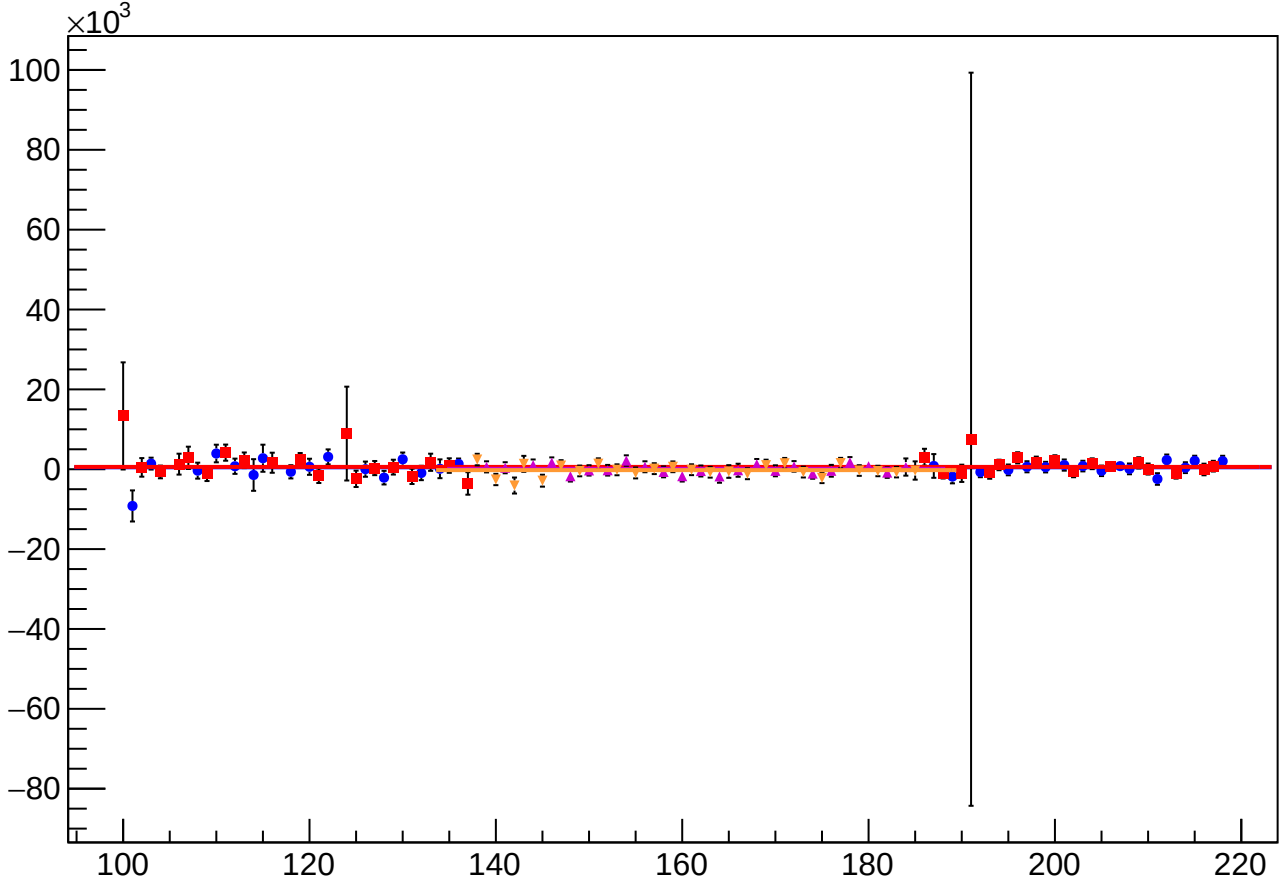
Right Out: 1236.076+/-0.201 χ^2/NDF: 2735816.5/35

Left In: 582.189+/-0.097 χ^2/NDF:559258.0/22

+ sign 703.899+/-0.086 χ^2/NDF: 11330153.3/56

All: 704.873+/-0.061 χ^2/NDF: 23210938.1/11

- sign 705.884+/-0.087 χ^2/NDF: 11880522.0/58



Right In: 483.499+/-282.483 χ^2/NDF: 29.6/31

Left Out: -220.755+/-283.055 χ^2/NDF:23.9/24

Right Out: 585.051+/-283.740 χ^2/NDF: 29.7/35

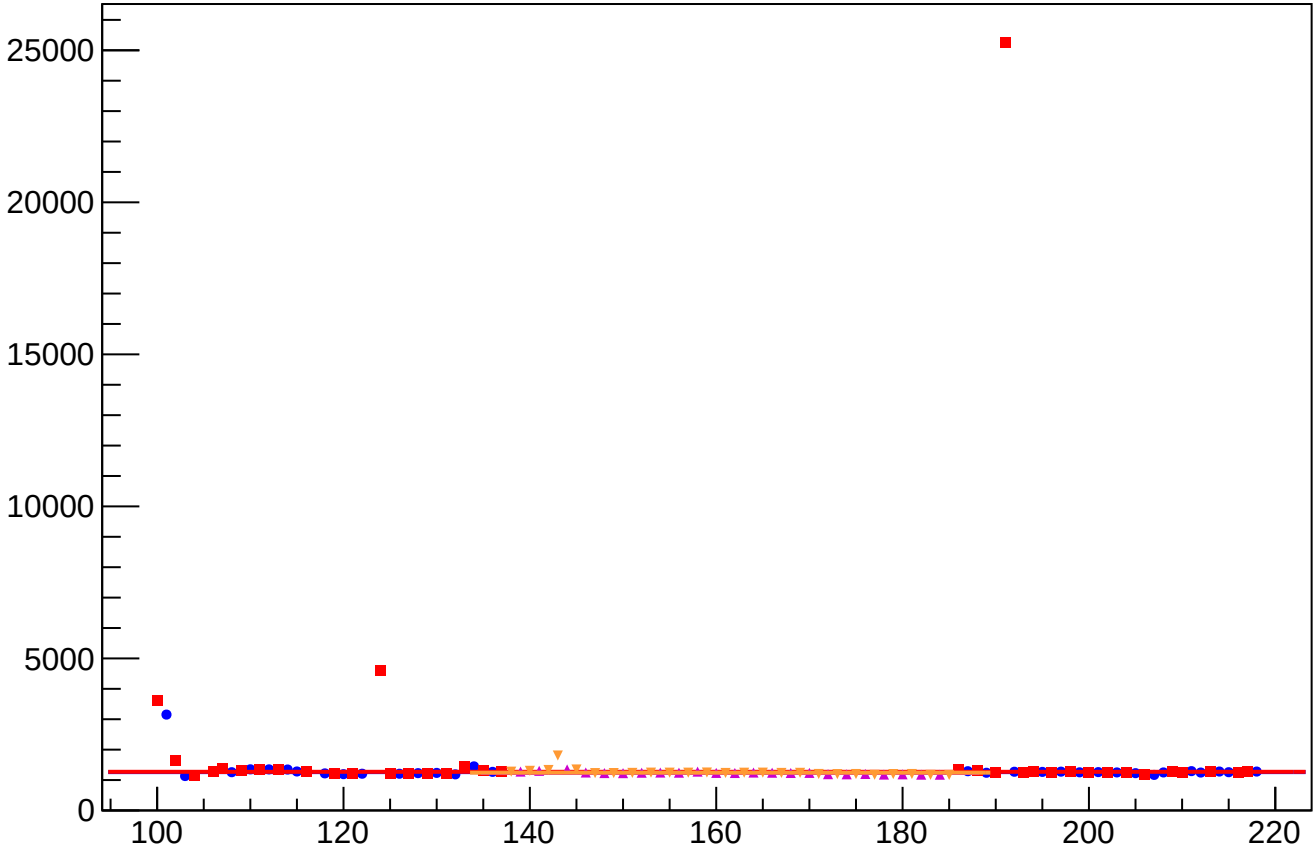
Left In: 92.472+/-288.217 χ^2/NDF:14.7/22

+ sign 132.084+/-199.947 χ^2/NDF: 56.6/56

All: 236.172+/-142.173 χ^2/NDF: 103.0/115

- sign 342.617+/-202.199 χ^2/NDF: 45.9/58

eigen_cor_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1260.790+/-0.200 χ^2/NDF: 536065.5/31

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

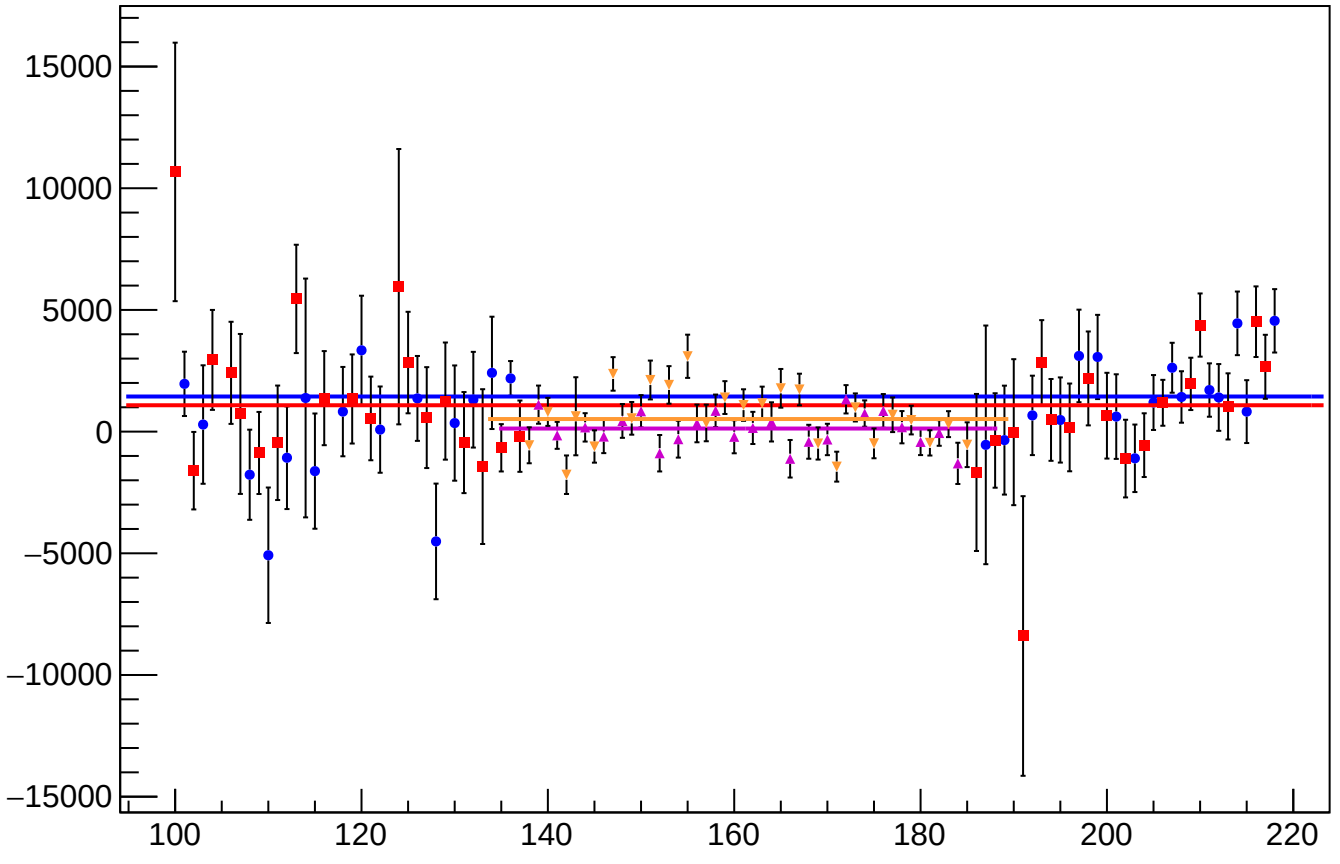
Right Out: 1271.082+/-0.201 χ^2/NDF: 494420.3/35

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

+ sign 1251.825+/-0.141 χ^2/NDF: 743400.8/56

All: 1252.263+/-0.101 χ^2/NDF: 1294160.5/11

- sign 1252.710+/-0.143 χ^2/NDF: 550740.3/58



Right In: 1442.612+/-270.253 χ^2/NDF: 40.4/31

Left Out: 516.811+/-135.747 χ^2/NDF:67.0/24

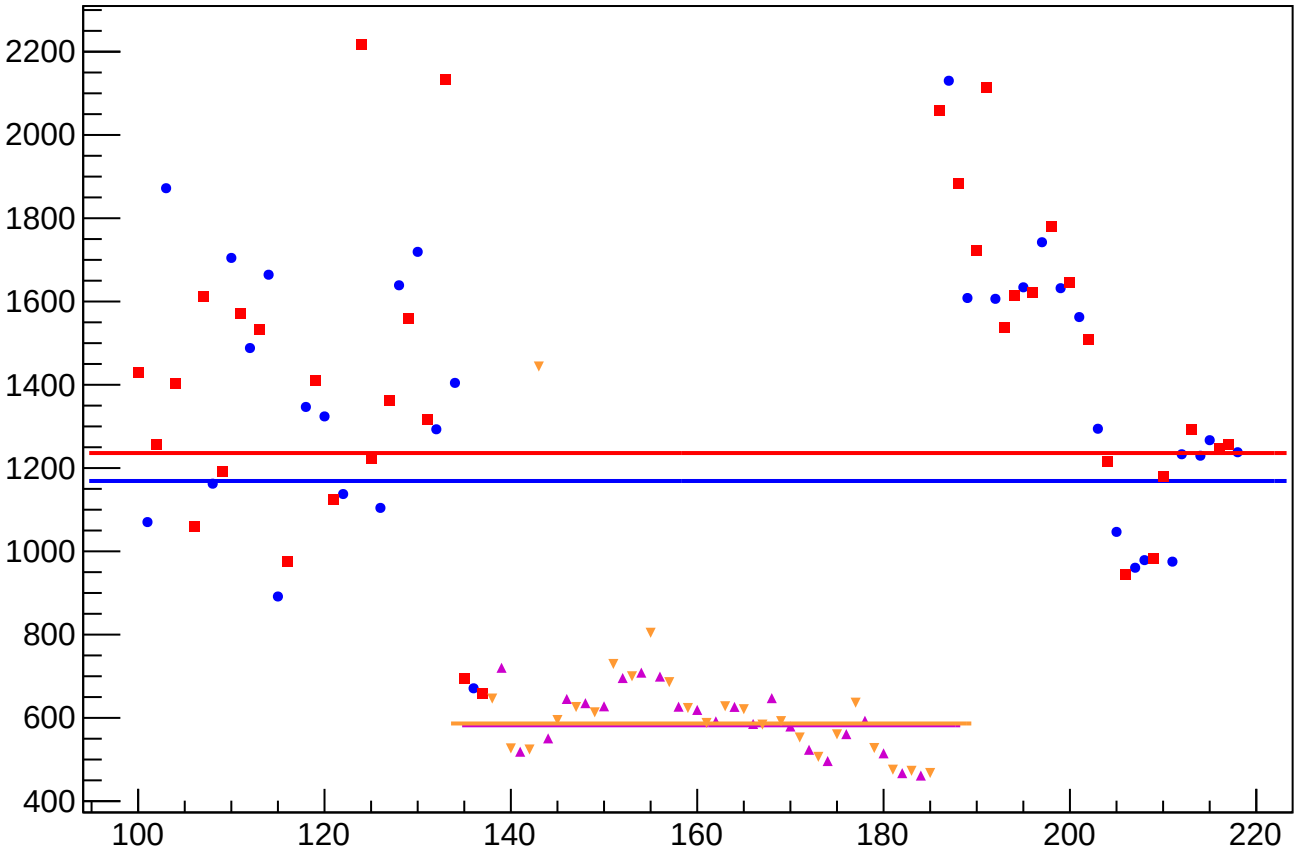
Right Out: 1083.133+/-284.185 χ^2/NDF: 43.3/35

Left In: 126.549+/-137.266 χ^2/NDF:21.6/22

+ sign 703.333+/-121.304 χ^2/NDF: 116.8/56

All: 509.134+/-86.576 χ^2/NDF: 196.1/115

- sign 307.506+/-123.603 χ^2/NDF: 74.1/58



Right In: 1168.967+/-0.191 χ^2/NDF: 2710292.2/31

Left Out: 586.562+/-0.096 χ^2/NDF:1202822.0/24

Right Out: 1236.076+/-0.201 χ^2/NDF: 2735816.5/35

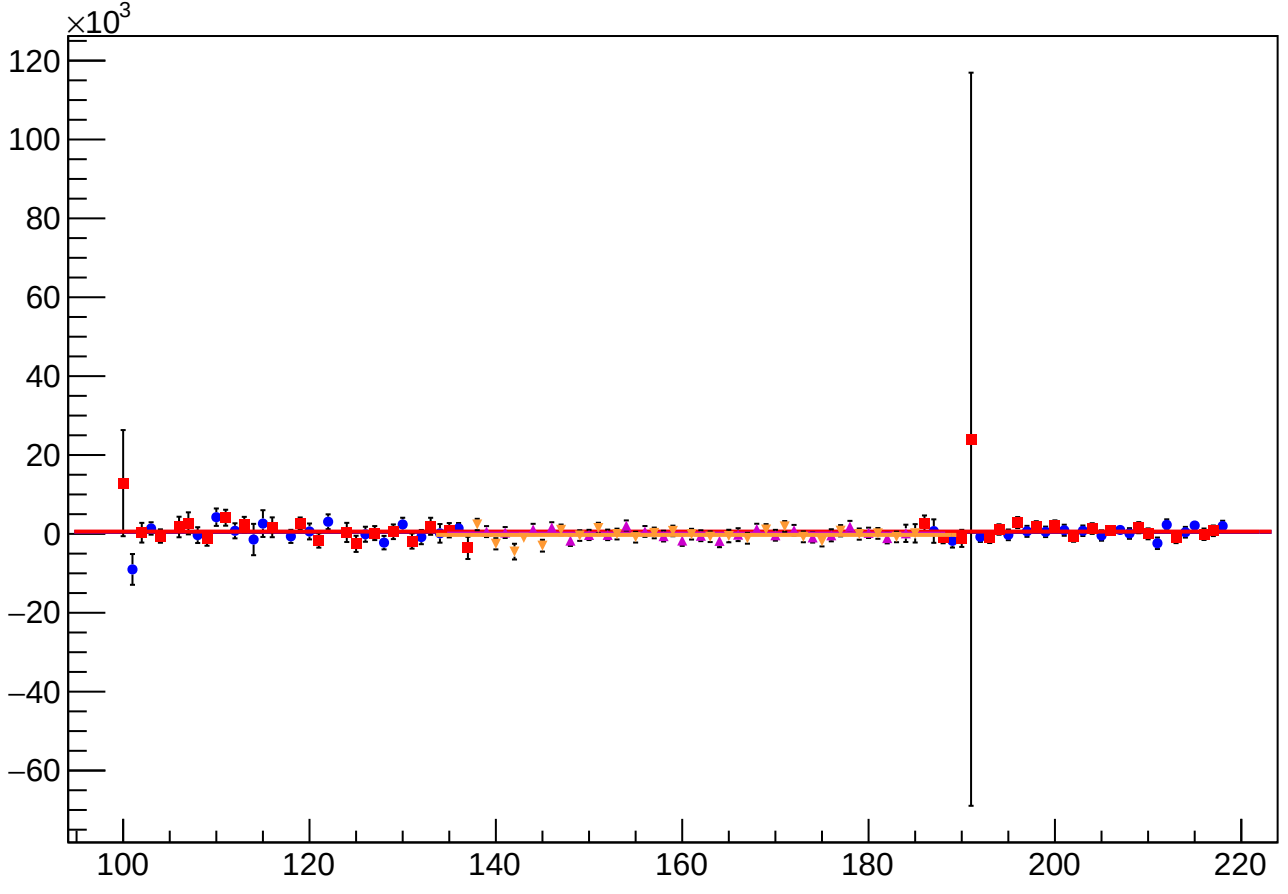
Left In: 582.189+/-0.097 χ^2/NDF:559258.0/22

+ sign 703.899+/-0.086 χ^2/NDF: 11330153.3/56

All: 704.873+/-0.061 χ^2/NDF: 23210938.1/11

- sign 705.884+/-0.087 χ^2/NDF: 11880522.0/58

dit_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 490.221+/-283.287 χ^2/NDF: 29.5/31

Left Out: -250.849+/-279.923 χ^2/NDF:24.0/24

Right Out: 582.664+/-283.147 χ^2/NDF: 29.2/35

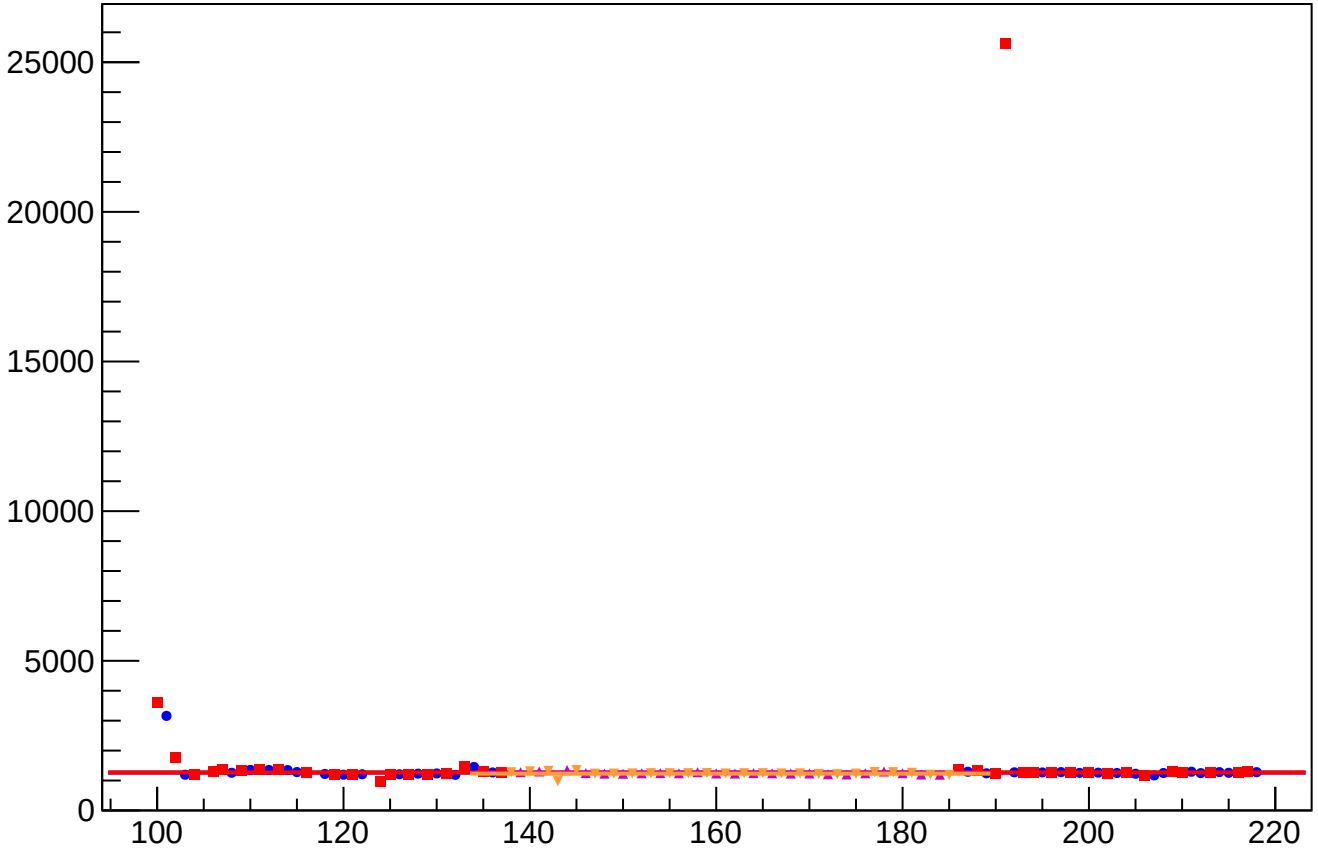
Left In: 74.881+/-291.458 χ^2/NDF:14.0/22

+ sign 115.259+/-199.114 χ^2/NDF: 57.0/56

All: 223.505+/-142.180 χ^2/NDF: 102.4/115

- sign 336.115+/-203.090 χ^2/NDF: 44.8/58

dit_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1264.529+/-0.200 χ^2/NDF: 525746.9/31

Left Out: 1229.986+/-0.198 χ^2/NDF:141607.5/24

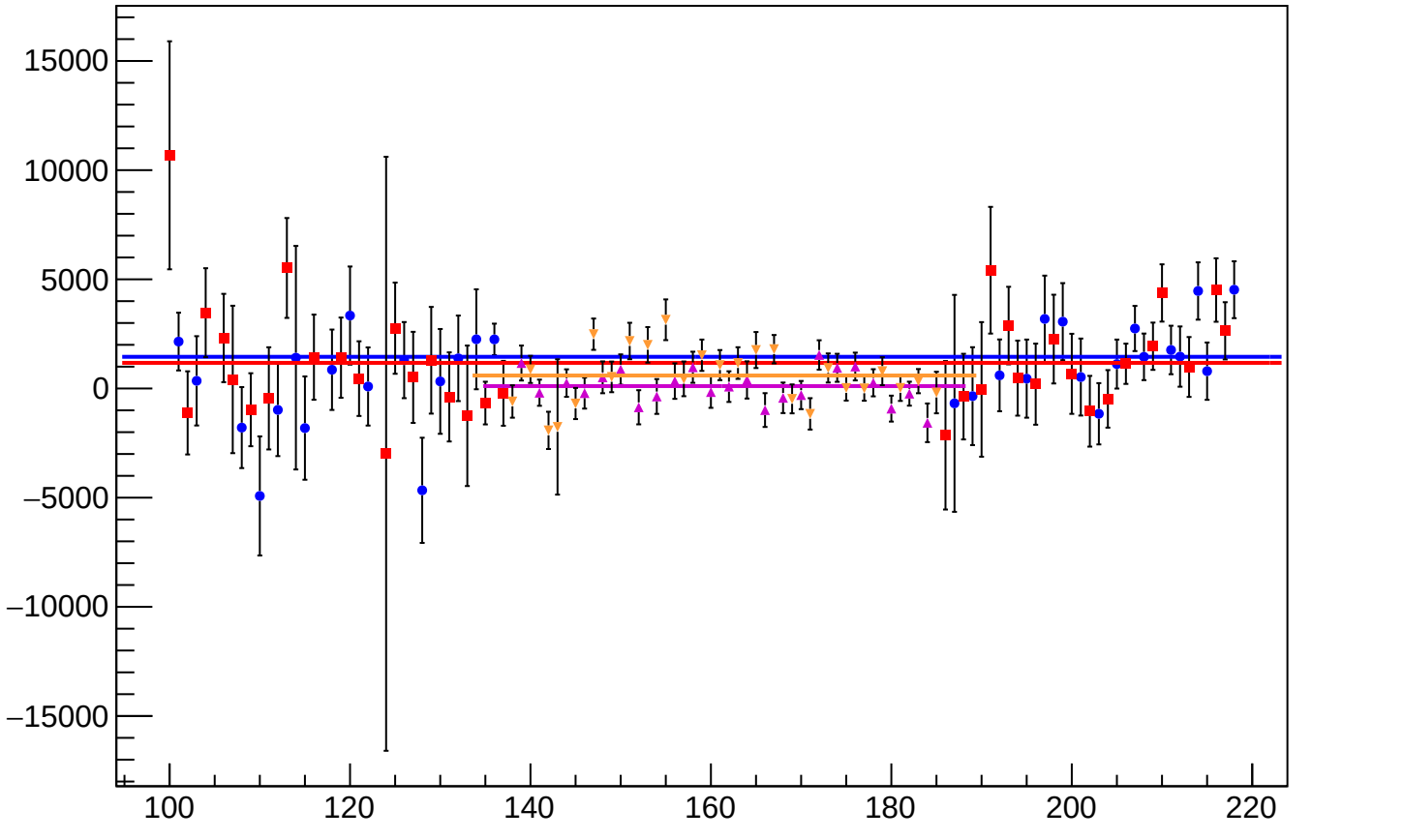
Right Out: 1269.837+/-0.200 χ^2/NDF: 385678.4/35

Left In: 1247.785+/-0.206 χ^2/NDF:27340.8/22

+ sign 1247.051+/-0.141 χ^2/NDF: 682400.4/56

All: 1252.971+/-0.101 χ^2/NDF: 1104917.2/11

- sign 1259.130+/-0.144 χ^2/NDF: 418909.5/58



Right In: 1451.023+/-271.650 χ^2/NDF: 41.3/31

Left Out: 595.000+/-142.130 χ^2/NDF:57.3/24

Right Out: 1173.960+/-286.304 χ^2/NDF: 40.7/35

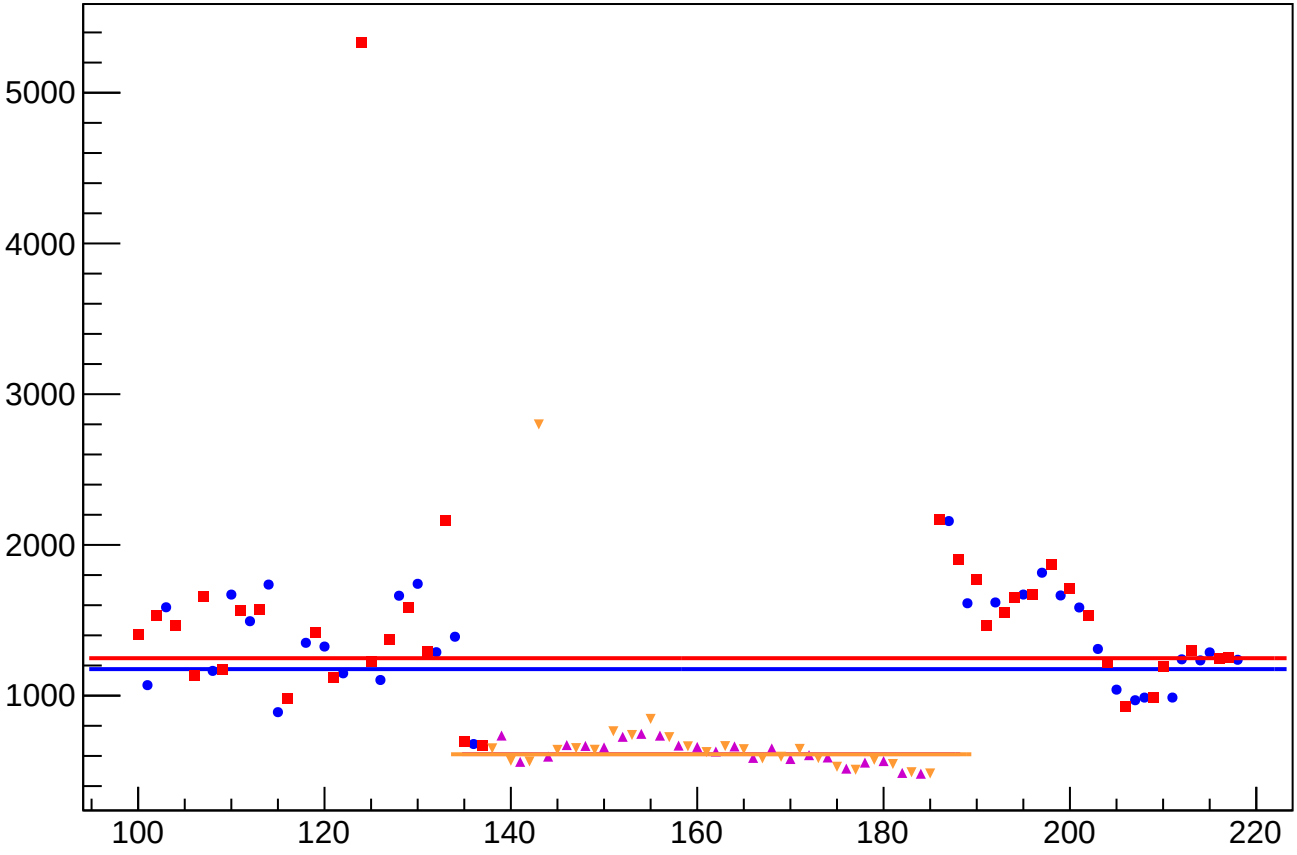
Left In: 110.252+/-144.232 χ^2/NDF:25.7/22

+ sign 778.973+/-125.935 χ^2/NDF: 106.4/56

All: 557.386+/-90.049 χ^2/NDF: 190.2/115

- sign 325.564+/-128.810 χ^2/NDF: 77.5/58

asym_atl_dd_atr_dd_dd_dit_correction_rms vs Slug



Right In: 1176.017+/-0.192 χ^2/NDF: 2650740.6/31

Left Out: 611.087+/-0.101 χ^2/NDF:1619322.3/24

Right Out: 1248.483+/-0.202 χ^2/NDF: 3030929.2/35

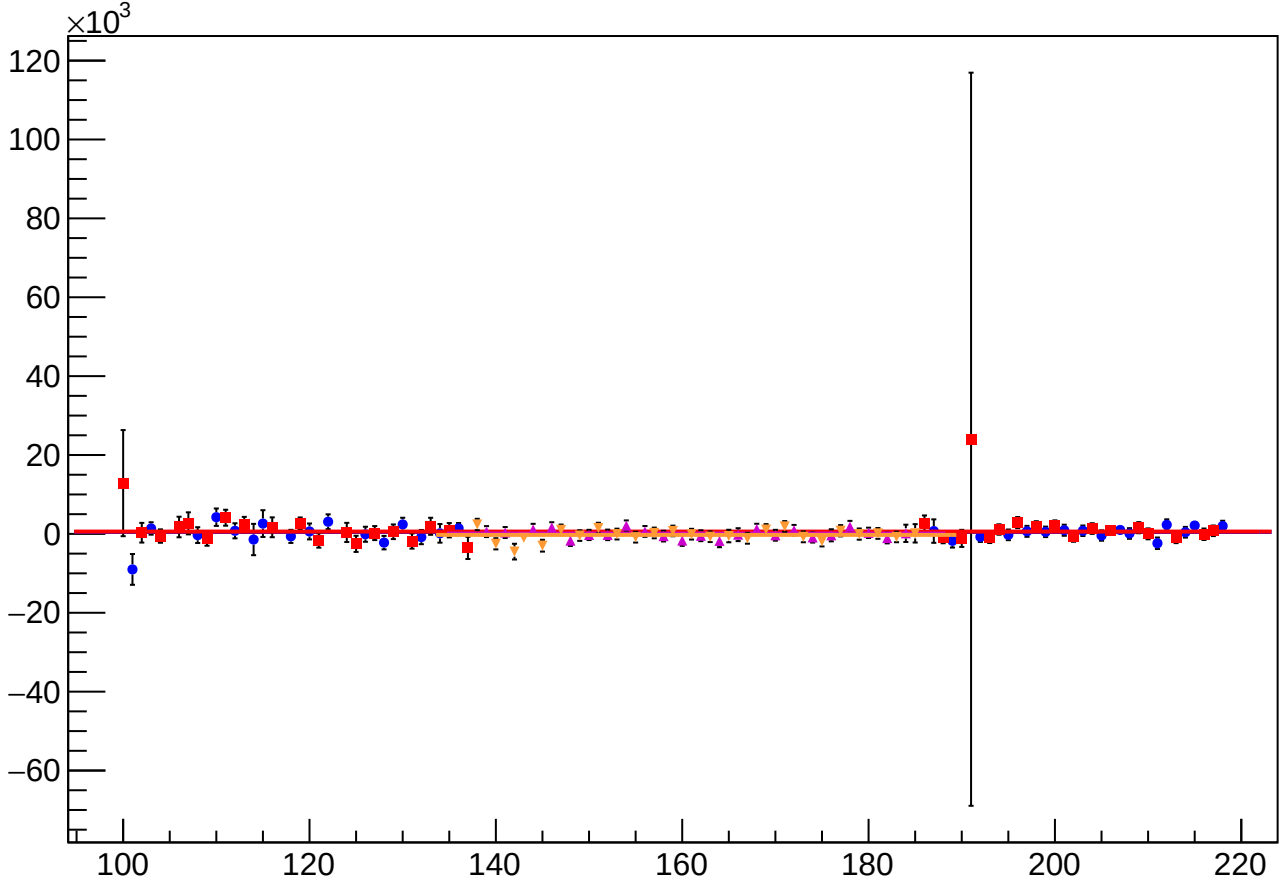
Left In: 612.399+/-0.102 χ^2/NDF:508595.4/22

+ sign 732.500+/-0.089 χ^2/NDF: 11060782.0/56

All: 736.729+/-0.064 χ^2/NDF: 22478638.4/11

- sign 741.153+/-0.091 χ^2/NDF: 11413241.8/58

eigen_dit_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 490.217+/-283.287 χ^2/NDF: 29.5/31

Left Out: -250.851+/-279.923 χ^2/NDF:24.0/24

Right Out: 582.662+/-283.147 χ^2/NDF: 29.2/35

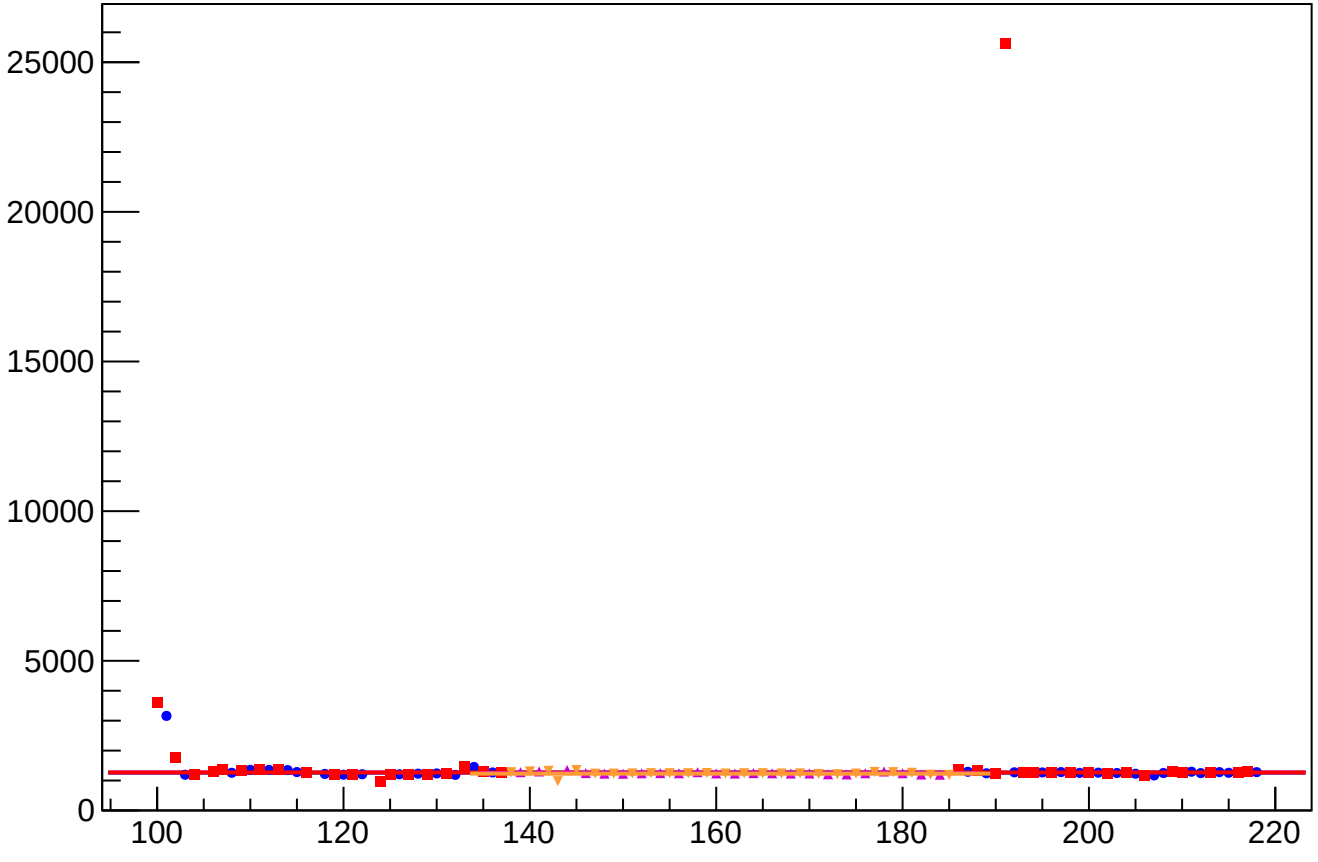
Left In: 74.881+/-291.458 χ^2/NDF:14.0/22

+ sign 115.256+/-199.114 χ^2/NDF: 57.0/56

All: 223.502+/-142.180 χ^2/NDF: 102.4/115

- sign 336.114+/-203.090 χ^2/NDF: 44.8/58

eigen_dit_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1264.529+/-0.200 χ^2/NDF: 525747.0/31

Left Out: 1229.986+/-0.198 χ^2/NDF:141606.6/24

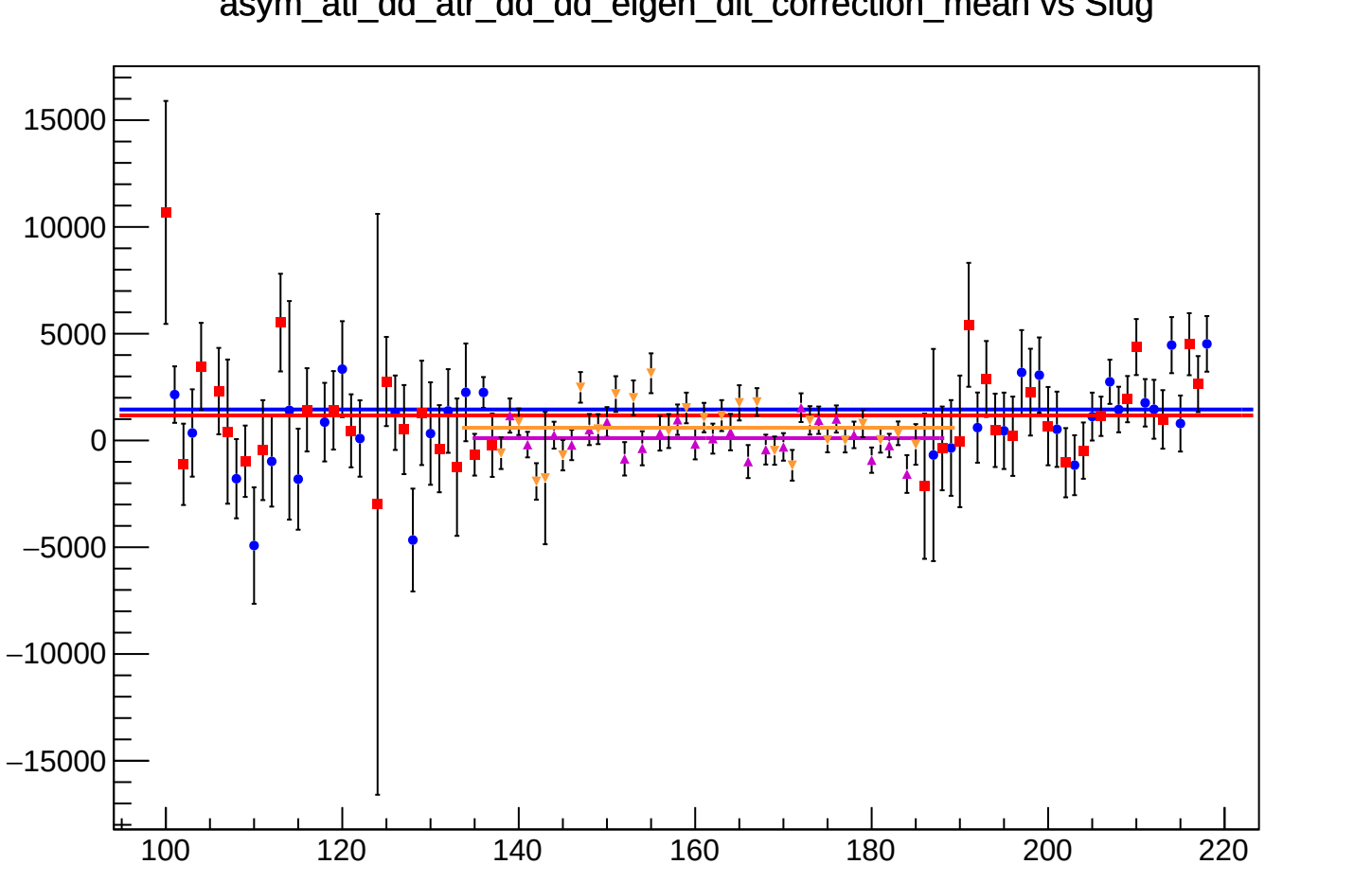
Right Out: 1269.837+/-0.200 χ^2/NDF: 385678.2/35

Left In: 1247.785+/-0.206 χ^2/NDF:27340.7/22

+ sign 1247.051+/-0.141 χ^2/NDF: 682399.5/56

All: 1252.971+/-0.101 χ^2/NDF: 1104916.1/11

- sign 1259.130+/-0.144 χ^2/NDF: 418909.3/58



Right In: 1451.023+/-271.650 χ^2/NDF: 41.3/31

Left Out: 595.000+/-142.130 χ^2/NDF:57.3/24

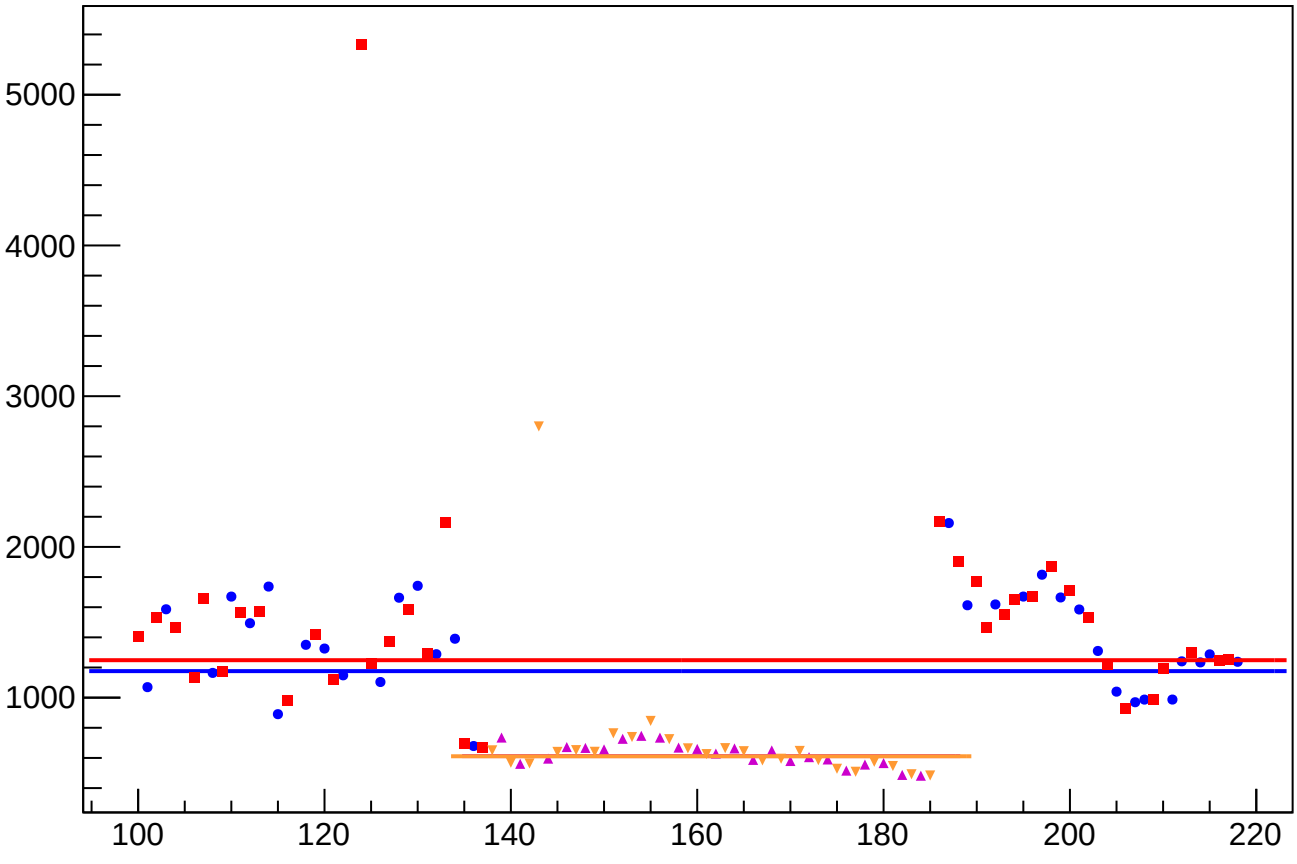
Right Out: 1173.961+/-286.305 χ^2/NDF: 40.7/35

Left In: 110.251+/-144.232 χ^2/NDF:25.7/22

+ sign 778.973+/-125.935 χ^2/NDF: 106.4/56

All: 557.386+/-90.049 χ^2/NDF: 190.2/115

- sign 325.562+/-128.810 χ^2/NDF: 77.5/58



Right In: 1176.018+/-0.192 χ^2/NDF: 2650679.5/31

Left Out: 611.086+/-0.101 χ^2/NDF:1619319.5/24

Right Out: 1248.486+/-0.202 χ^2/NDF: 3030872.4/35

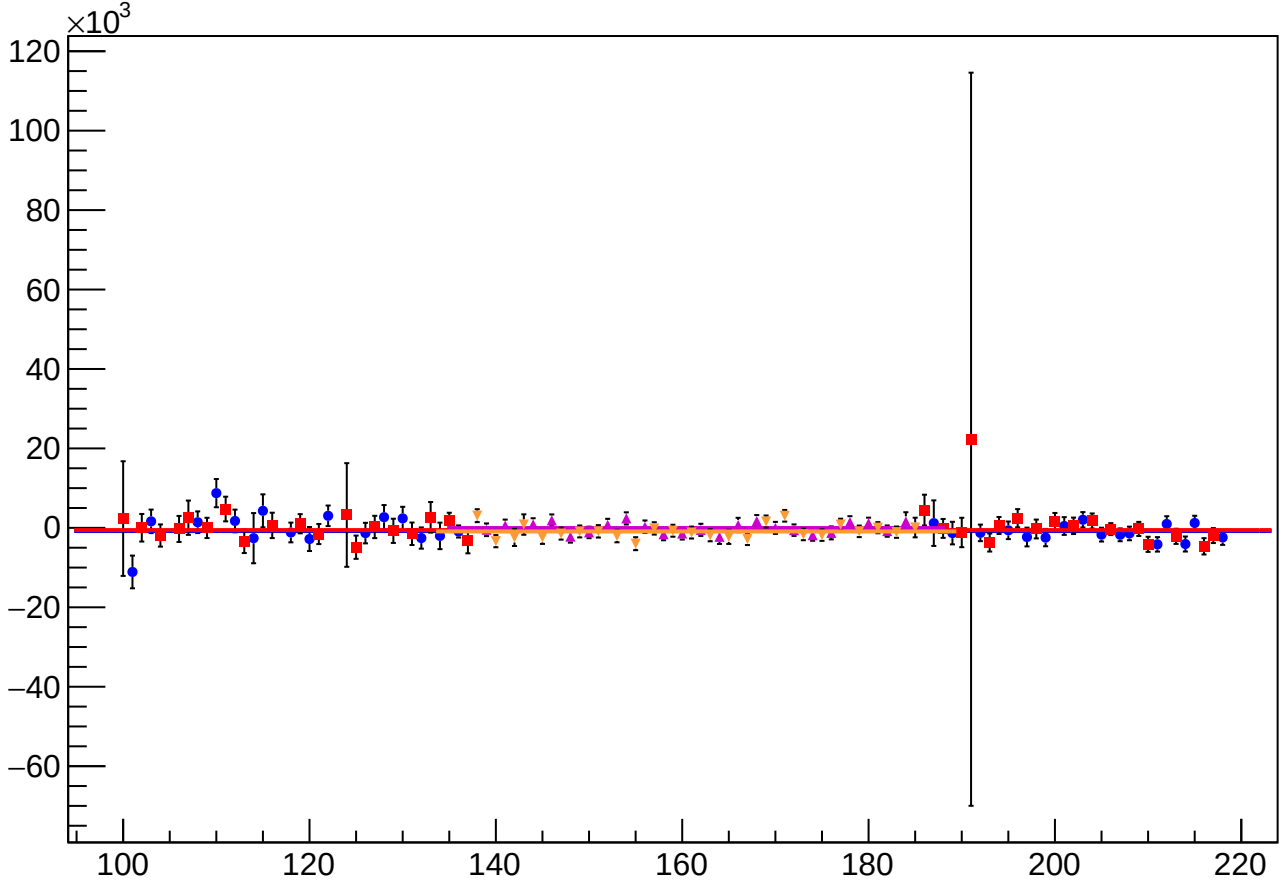
Left In: 612.398+/-0.102 χ^2/NDF:508597.7/22

+ sign 732.500+/-0.089 χ^2/NDF: 11060743.1/56

All: 736.728+/-0.064 χ^2/NDF: 22478615.9/11

- sign 741.152+/-0.091 χ^2/NDF: 11413258.6/58

asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: -801.980+/-409.146 χ^2/NDF: 36.5/31

Left Out: -899.894+/-316.449 χ^2/NDF:29.8/24

Right Out: -563.449+/-419.443 χ^2/NDF: 27.6/35

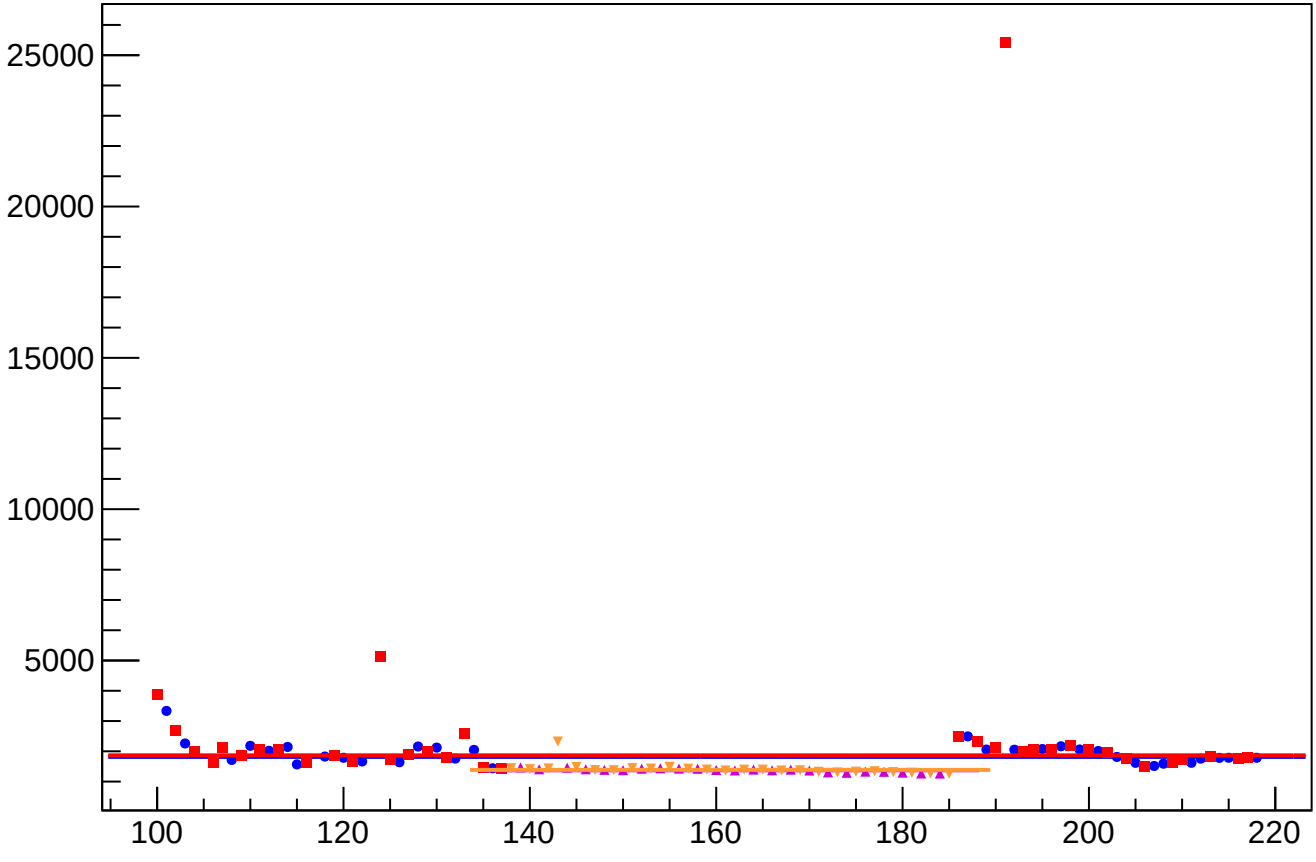
Left In: -48.178+/-320.929 χ^2/NDF:17.9/22

+ sign -863.245+/-250.315 χ^2/NDF: 66.4/56

All: -556.490+/-178.592 χ^2/NDF: 115.9/115

- sign -238.444+/-254.880 χ^2/NDF: 46.5/58

asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1816.005+/-0.289 χ^2/NDF: 894126.1/31

Left Out: 1386.845+/-0.224 χ^2/NDF:339794.5/24

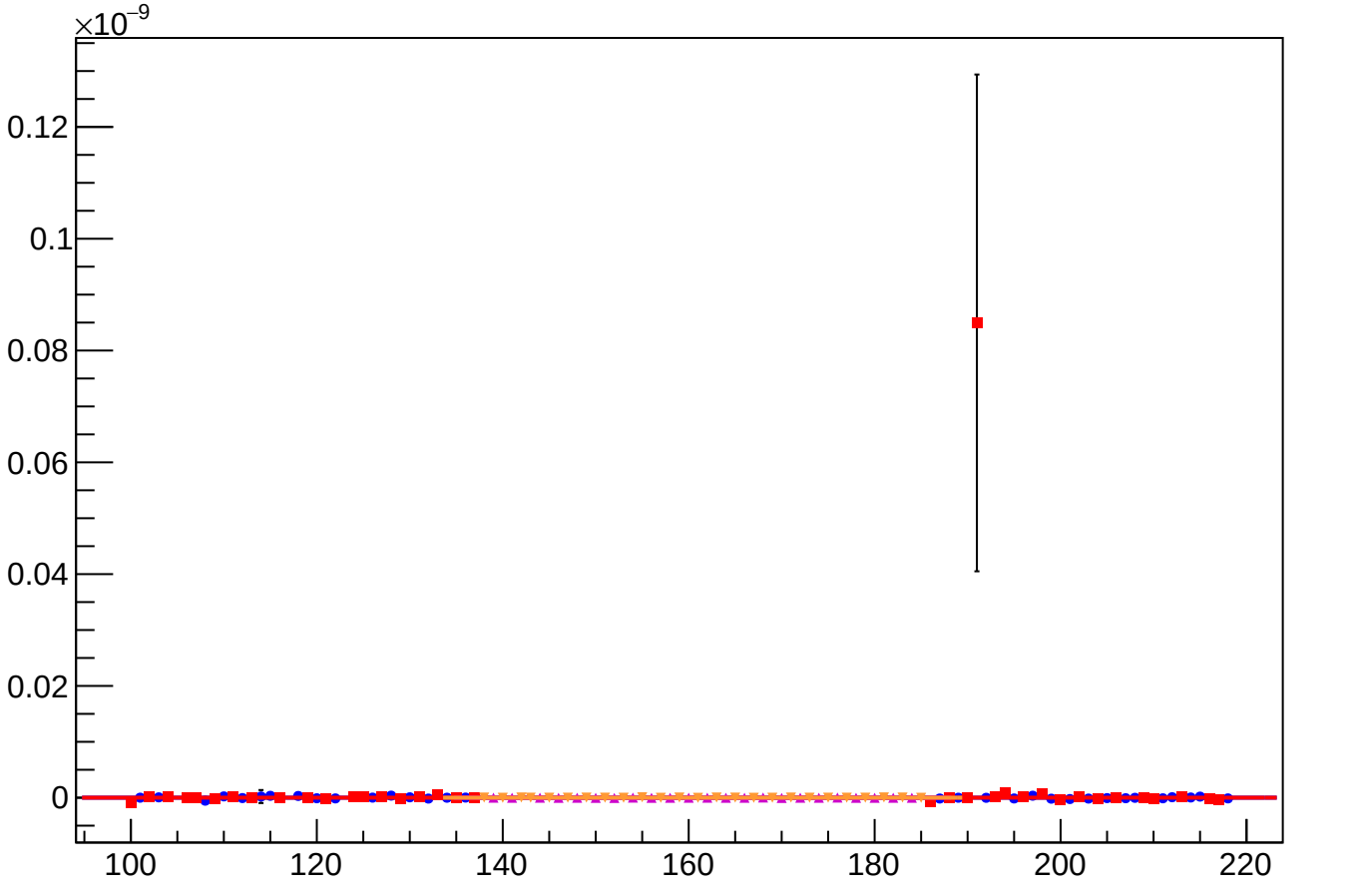
Right Out: 1866.677+/-0.297 χ^2/NDF: 1059515.3/35

Left In: 1373.217+/-0.227 χ^2/NDF:64467.6/22

+ sign 1547.479+/-0.177 χ^2/NDF: 2610752.1/56

All: 1551.383+/-0.126 χ^2/NDF: 5481731.0/11

- sign 1555.430+/-0.180 χ^2/NDF: 2869988.1/58



Right In: 0.000+/-0.000 χ^2/NDF: 28.3/31

Left Out: 0.000+/-0.000 χ^2/NDF:24.8/24

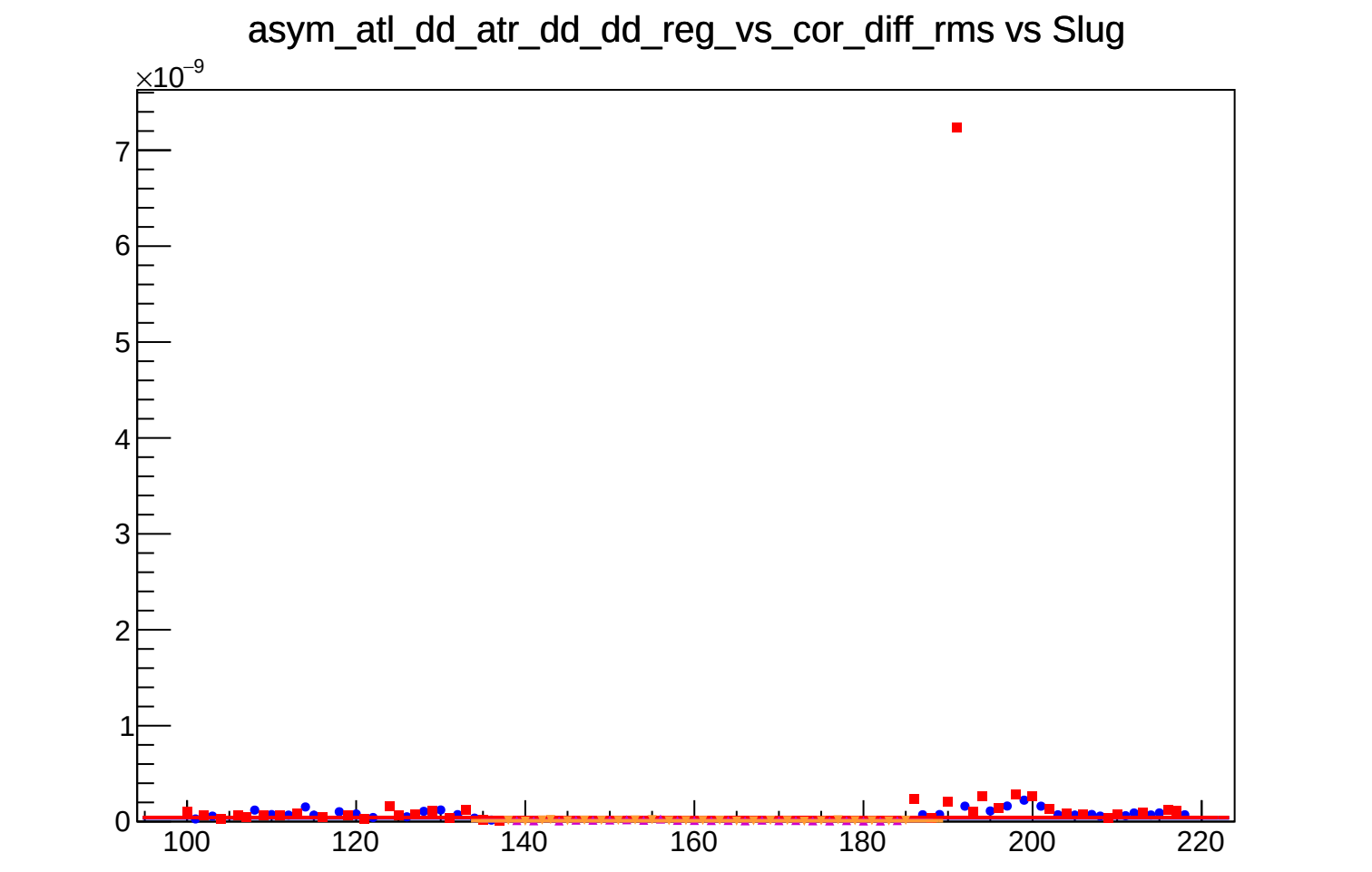
Right Out: 0.000+/-0.000 χ^2/NDF: 56.8/35

Left In: -0.000+/-0.000 χ^2/NDF:13.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 53.1/56

All: 0.000+/-0.000 χ^2/NDF: 124.4/115

- sign -0.000+/-0.000 χ^2/NDF: 70.5/58



Right In: 0.000+/-0.000 χ^2/NDF: 7151204.2/31

Left Out: 0.000+/-0.000 χ^2/NDF:2148494.6/24

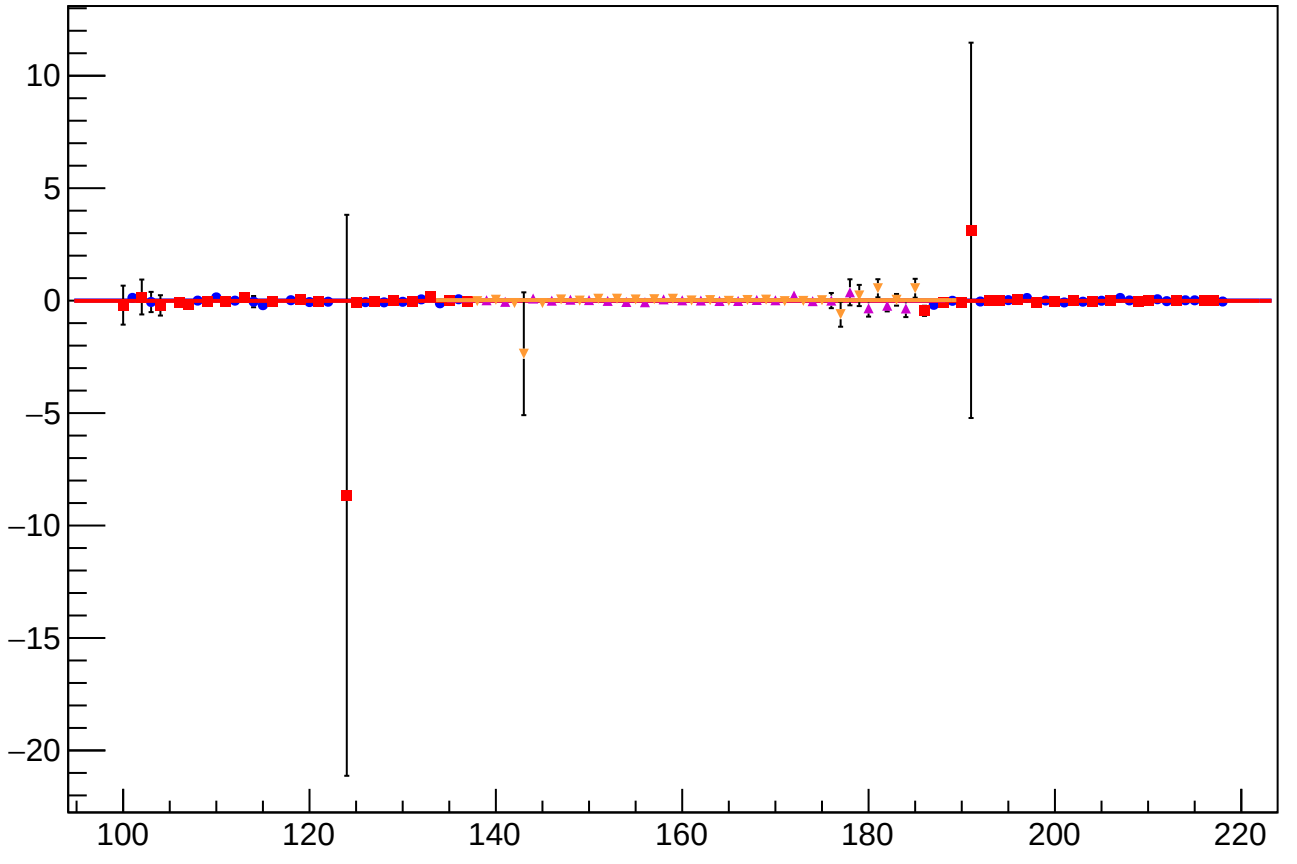
Right Out: 0.000+/-0.000 χ^2/NDF: 7667075.9/35

Left In: 0.000+/-0.000 χ^2/NDF:1232395.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 15419422.1/56

All: 0.000+/-0.000 χ^2/NDF: 30217731.8/115

- sign 0.000+/-0.000 χ^2/NDF: 14525833.5/58



Right In: 0.006+/-0.008 χ^2/NDF: 48.2/31

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: -0.011+/-0.009 χ^2/NDF: 24.5/35

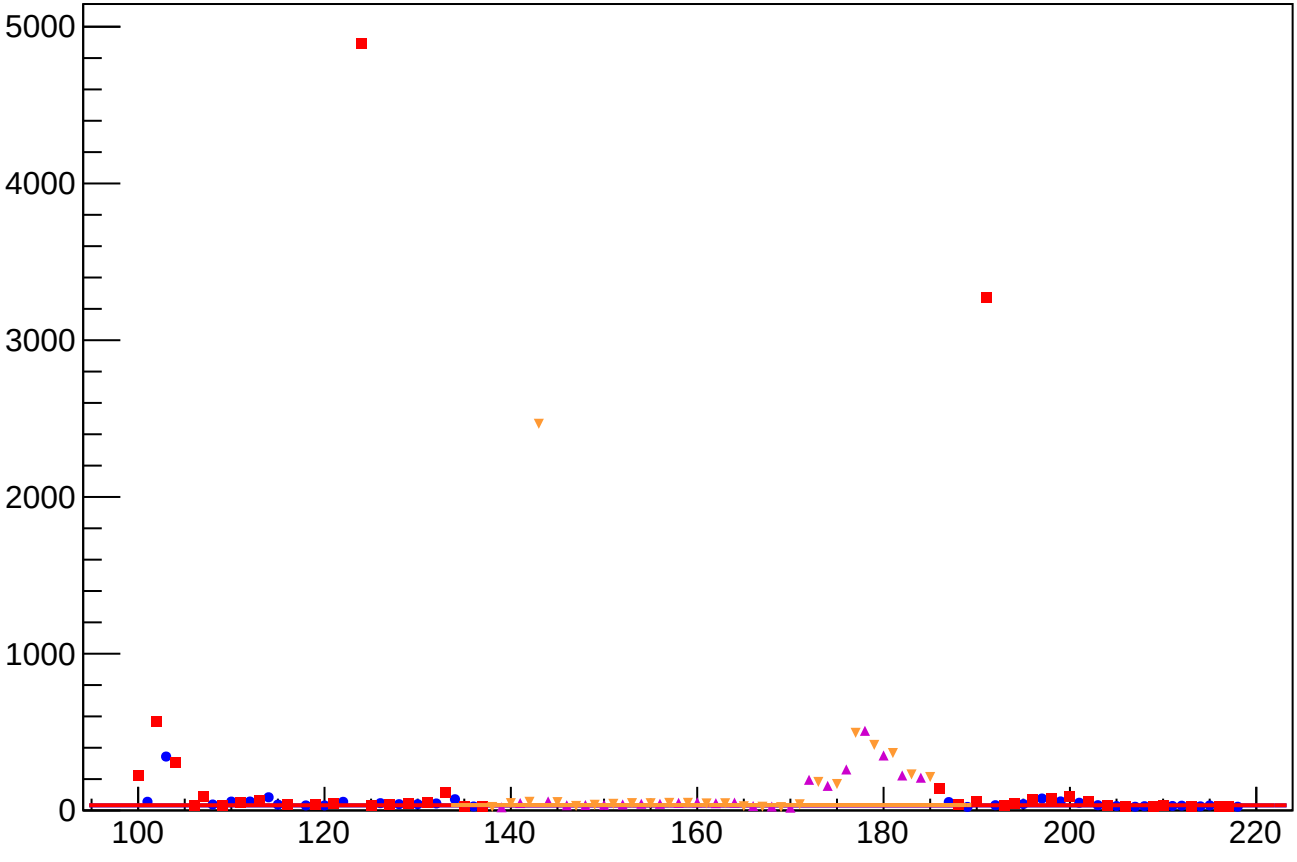
Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

+ sign 0.013+/-0.006 χ^2/NDF: 72.8/56

All: 0.006+/-0.005 χ^2/NDF: 117.1/115

- sign -0.002+/-0.007 χ^2/NDF: 41.7/58

asym_atl_dd_atr_dd_dd_dit_vs_cor_diff_rms vs Slug



Right In: 32.041+/-0.006 χ^2/NDF: 3954577.6/31

Left Out: 34.624+/-0.007 χ^2/NDF:11402451.4/24

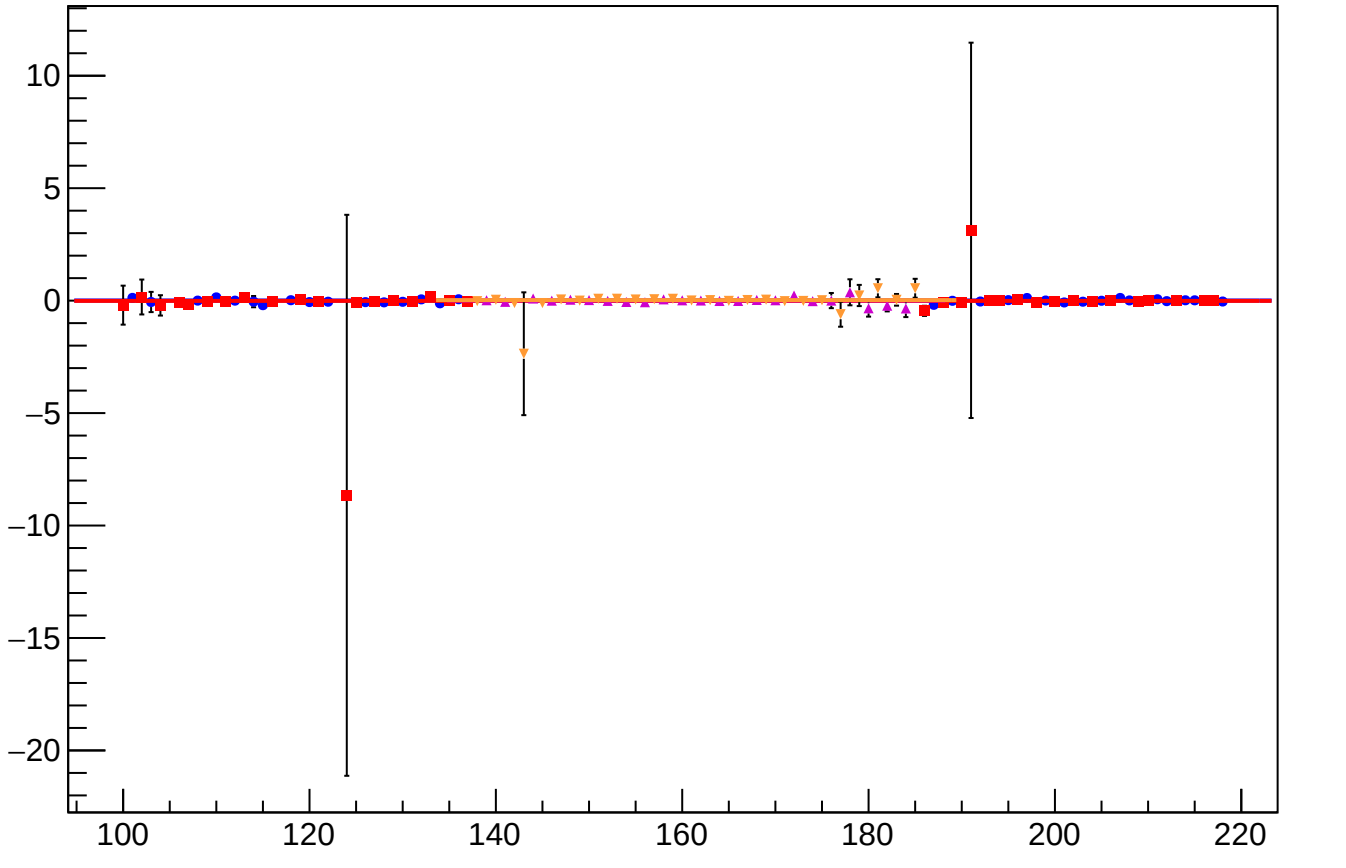
Right Out: 33.279+/-0.006 χ^2/NDF: 6794458.3/35

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

+ sign 33.055+/-0.005 χ^2/NDF: 15434798.1/56

All: 33.231+/-0.003 χ^2/NDF: 32300933.9/115

- sign 33.416+/-0.005 χ^2/NDF: 16863043.1/58



Right In: 0.006+/-0.008 χ^2/NDF: 48.2/31

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

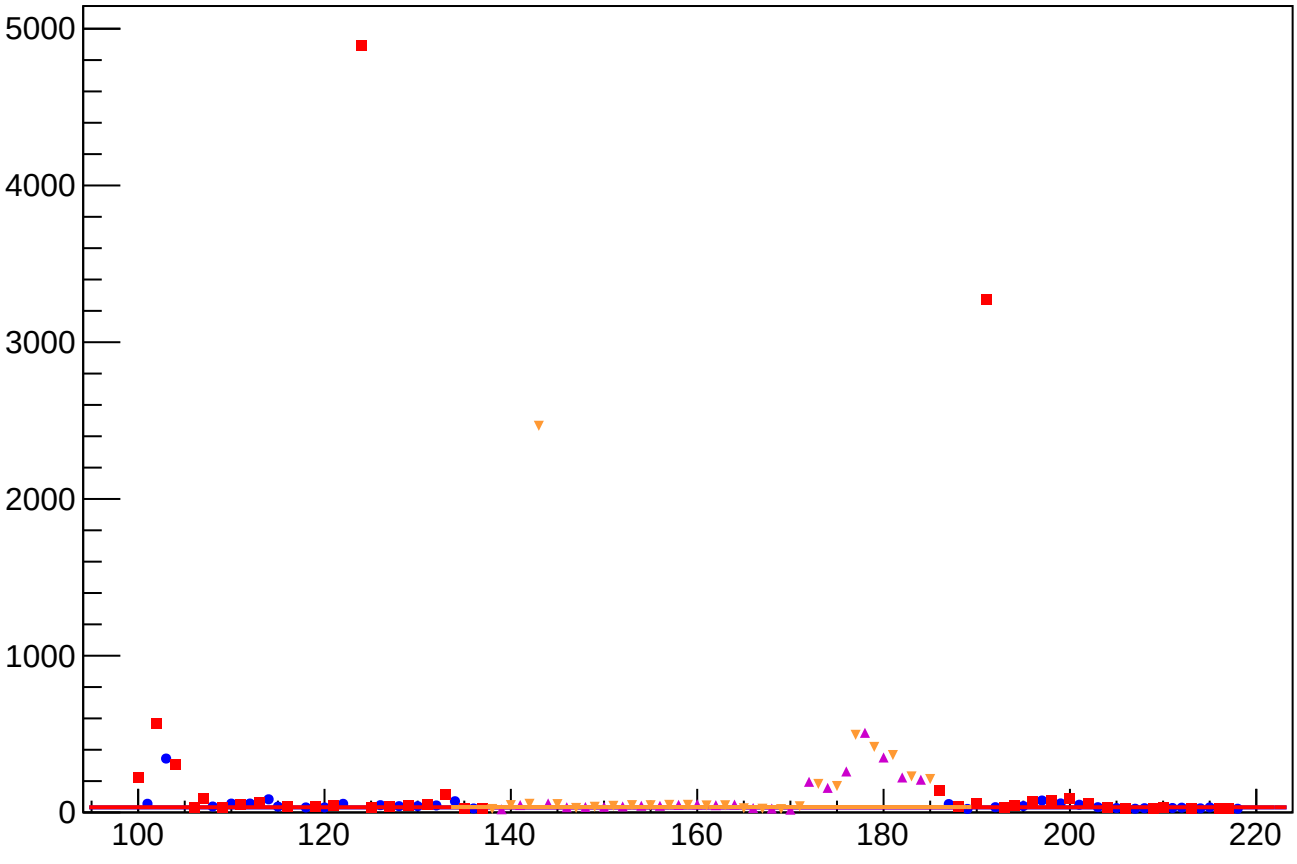
Right Out: -0.011+/-0.009 χ^2/NDF: 24.5/35

Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

+ sign 0.013+/-0.006 χ^2/NDF: 72.8/56

All: 0.006+/-0.005 χ^2/NDF: 117.1/115

- sign -0.002+/-0.007 χ^2/NDF: 41.7/58



Right In: 32.041+/-0.006 χ^2/NDF: 3954577.6/31

Left Out: 34.624+/-0.007 χ^2/NDF:11402451.4/24

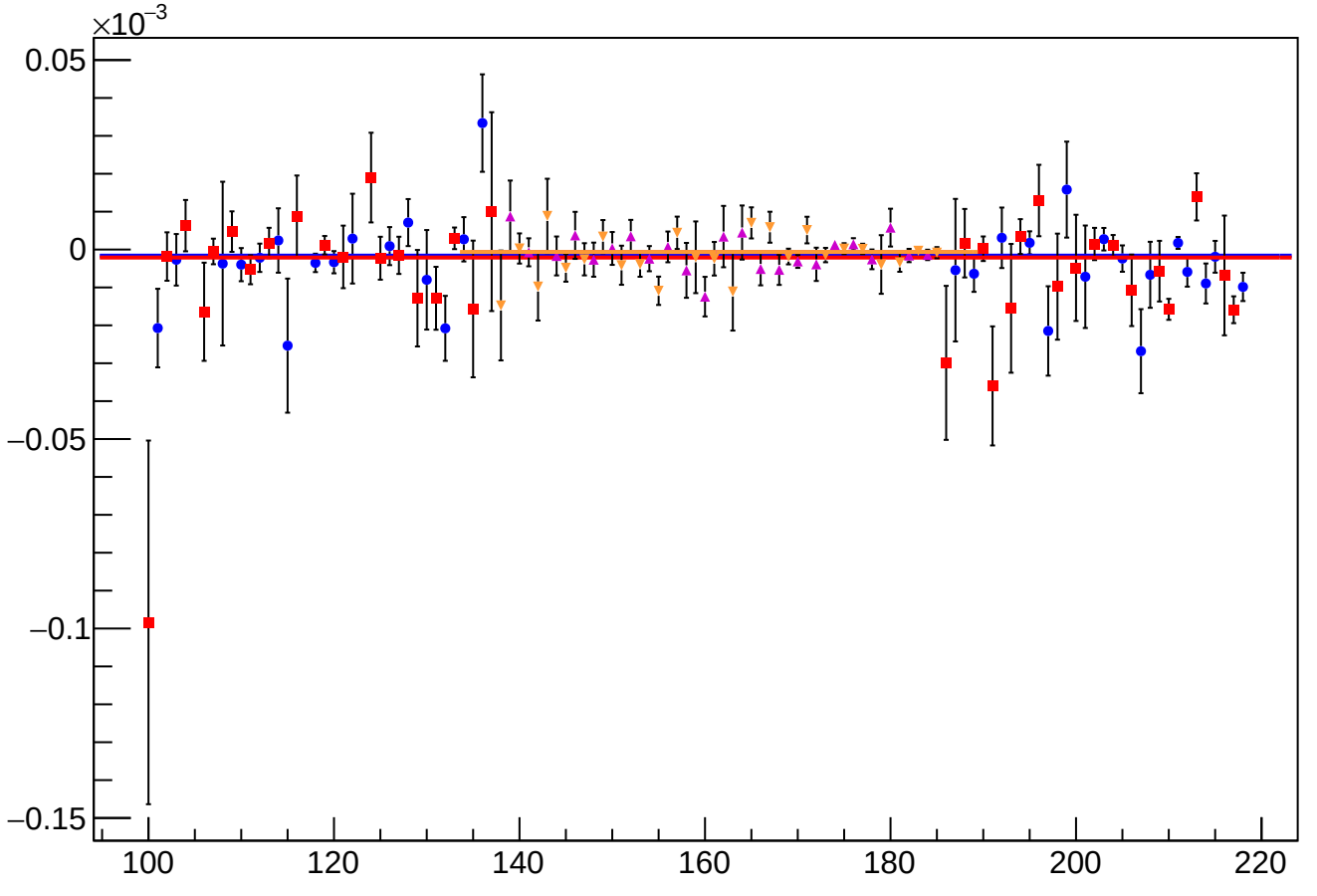
Right Out: 33.279+/-0.006 χ^2/NDF: 6794458.3/35

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

+ sign 33.055+/-0.005 χ^2/NDF: 15434798.1/56

All: 33.231+/-0.003 χ^2/NDF: 32300933.9/115

- sign 33.416+/-0.005 χ^2/NDF: 16863043.1/58



Right In: -0.000+/-0.000 χ^2/NDF: 50.1/31

Left Out: -0.000+/-0.000 χ^2/NDF:28.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 83.9/35

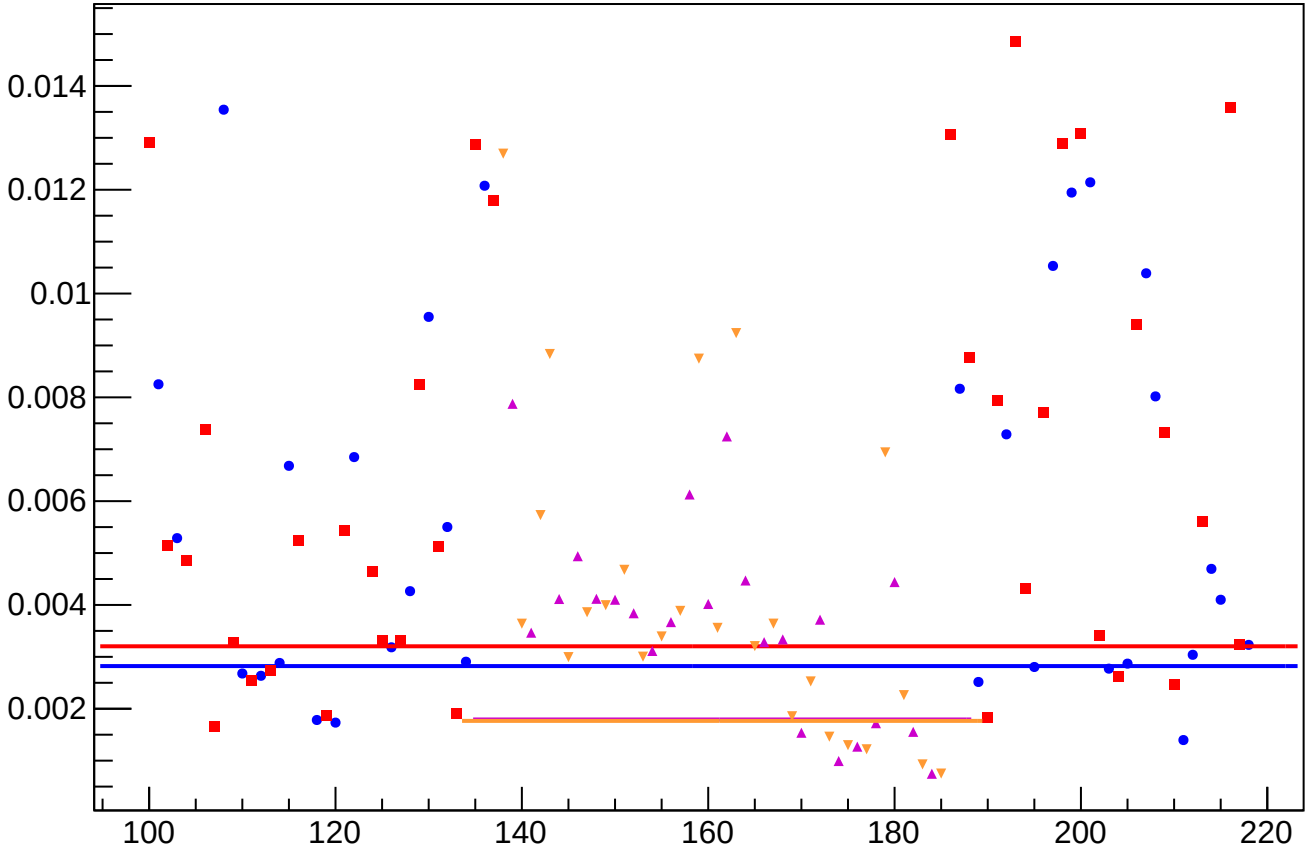
Left In: -0.000+/-0.000 χ^2/NDF:21.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 79.6/56

All: -0.000+/-0.000 χ^2/NDF: 187.6/115

- sign -0.000+/-0.000 χ^2/NDF: 107.9/58

asym_atl_dd_atr_dd_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 11550294.0/31

Left Out: 0.002+/-0.000 χ^2/NDF:12926339.2/24

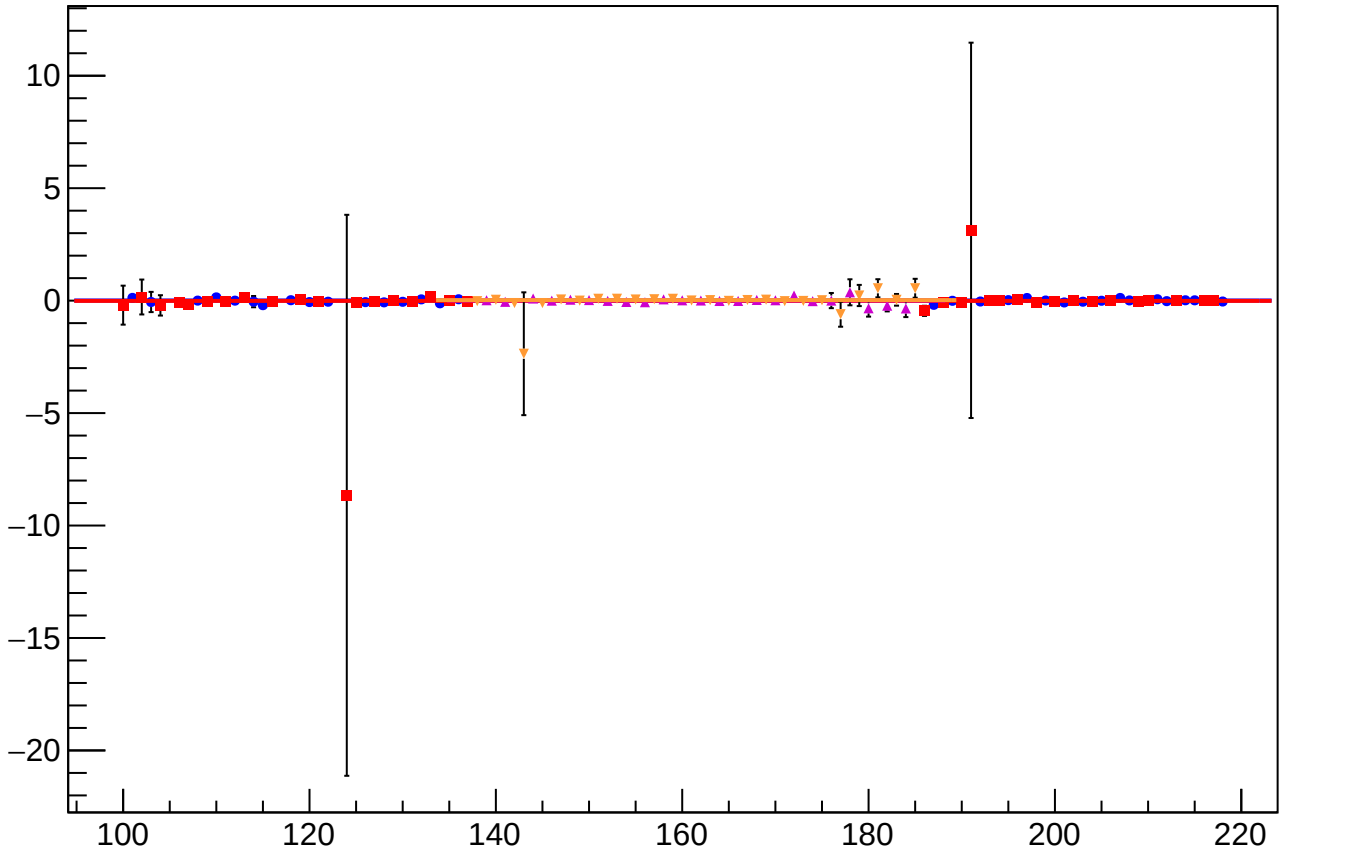
Right Out: 0.003+/-0.000 χ^2/NDF: 11597710.9/35

Left In: 0.002+/-0.000 χ^2/NDF:10766932.4/22

+ sign 0.002+/-0.000 χ^2/NDF: 27018191.5/56

All: 0.002+/-0.000 χ^2/NDF: 53299472.4/115

- sign 0.002+/-0.000 χ^2/NDF: 26212962.6/58



Right In: 0.006+/-0.008 χ^2/NDF: 48.2/31

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

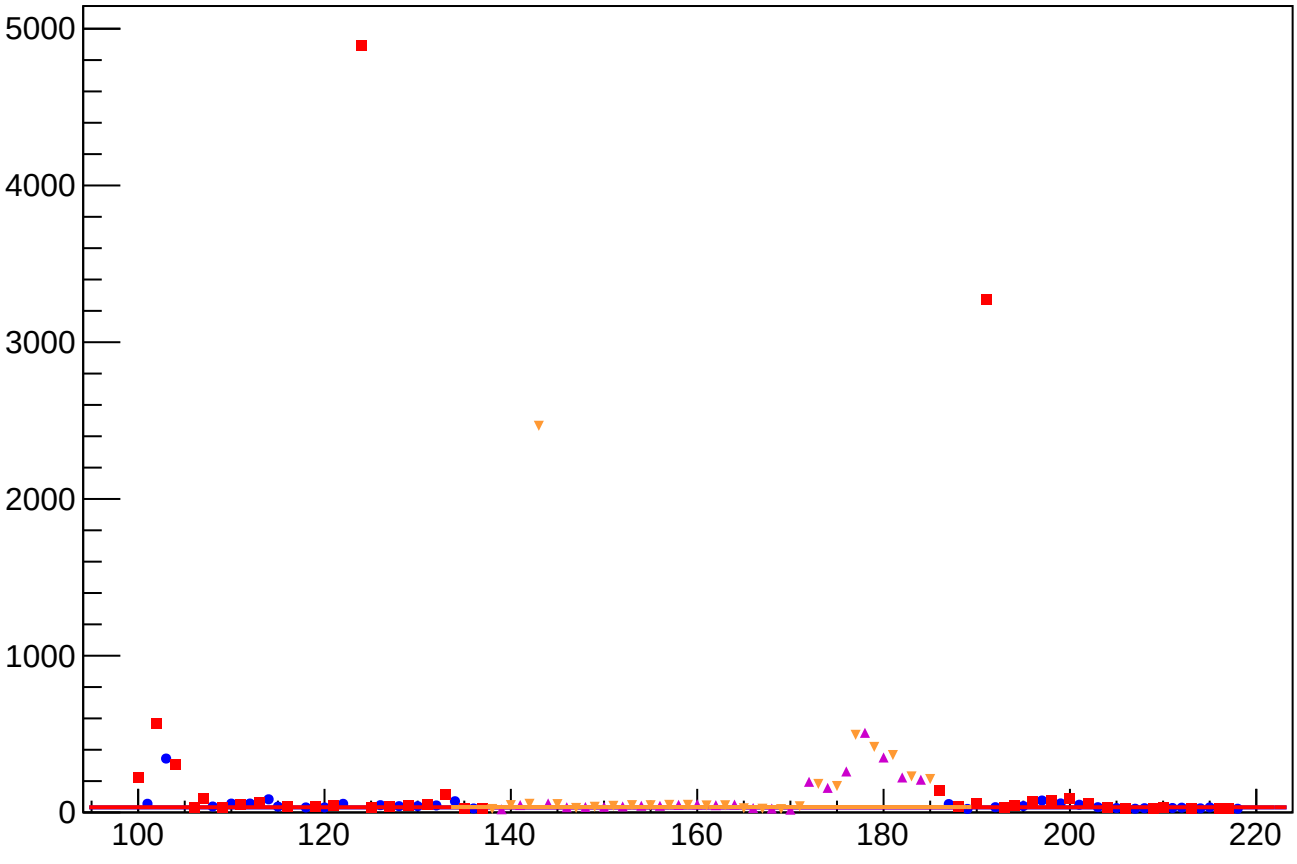
Right Out: -0.011+/-0.009 χ^2/NDF: 24.5/35

Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

+ sign 0.013+/-0.006 χ^2/NDF: 72.8/56

All: 0.006+/-0.005 χ^2/NDF: 117.1/115

- sign -0.002+/-0.007 χ^2/NDF: 41.7/58



Right In: 32.044+/-0.006 χ^2/NDF: 3953293.6/31

Left Out: 34.623+/-0.007 χ^2/NDF:11402566.2/24

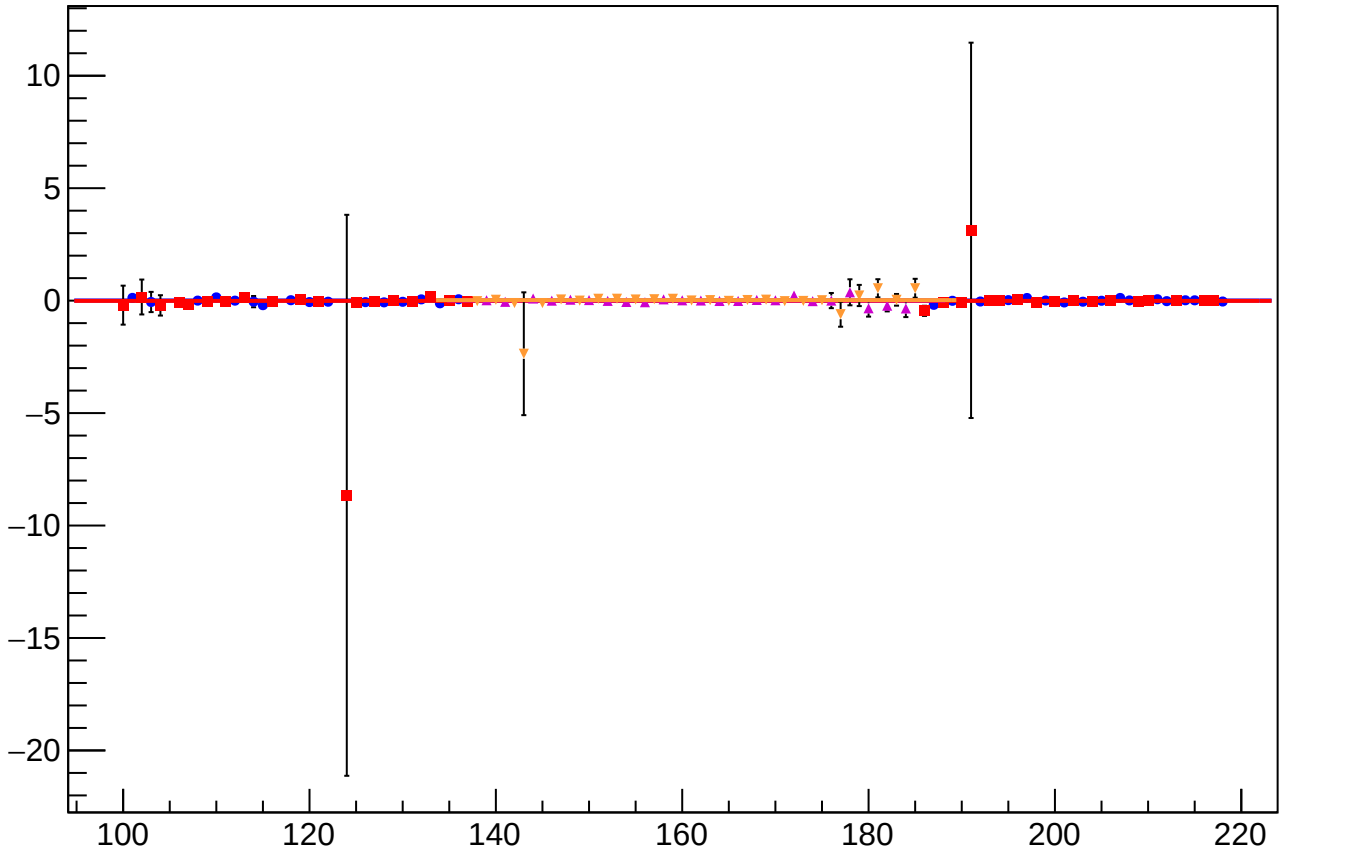
Right Out: 33.279+/-0.006 χ^2/NDF: 6794340.6/35

Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

+ sign 33.057+/-0.005 χ^2/NDF: 15433416.6/56

All: 33.232+/-0.003 χ^2/NDF: 32298178.2/115

- sign 33.417+/-0.005 χ^2/NDF: 16861668.4/58



Right In: 0.006+/-0.008 χ^2/NDF: 48.2/31

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

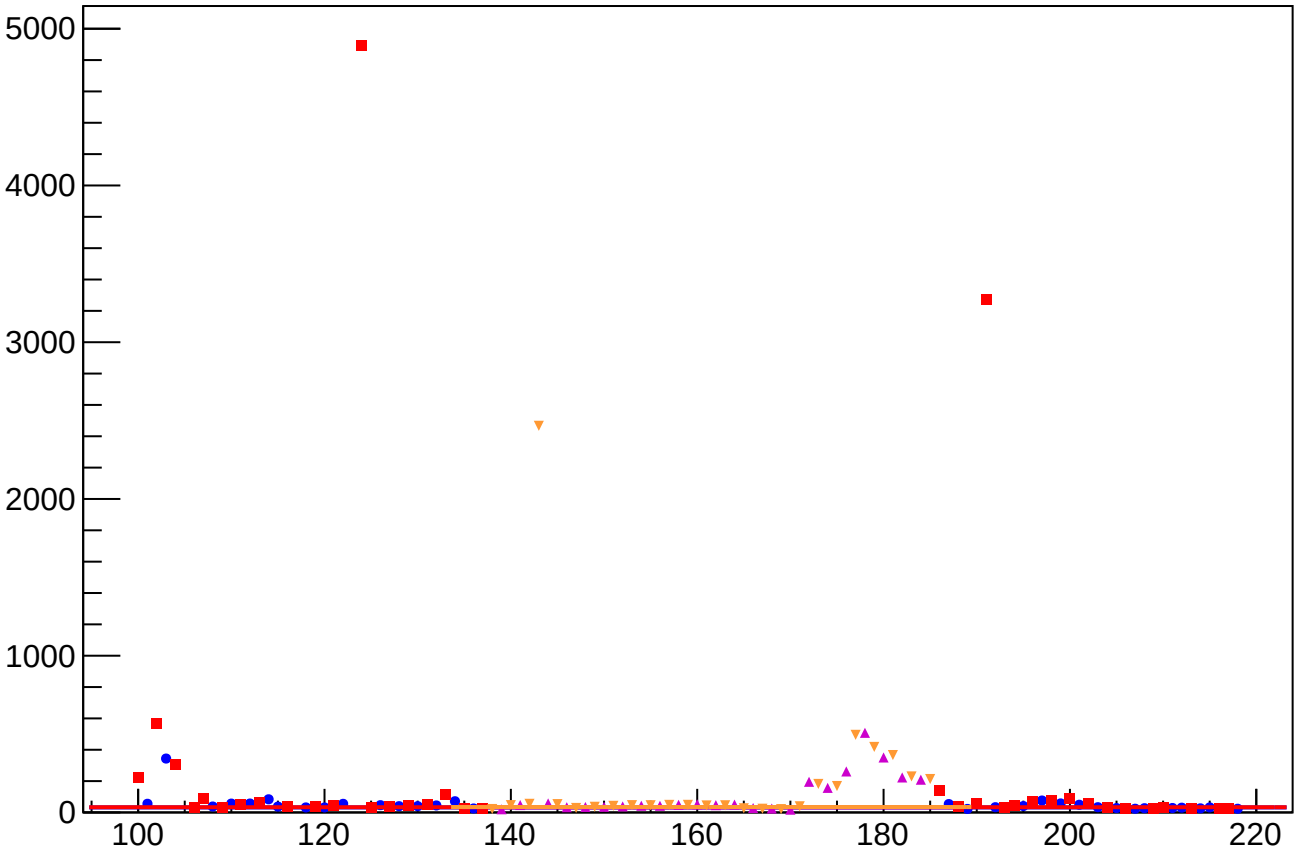
Right Out: -0.011+/-0.009 χ^2/NDF: 24.5/35

Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

+ sign 0.013+/-0.006 χ^2/NDF: 72.8/56

All: 0.006+/-0.005 χ^2/NDF: 117.1/115

- sign -0.002+/-0.007 χ^2/NDF: 41.7/58



Right In: 32.044+/-0.006 χ^2/NDF: 3953293.6/31

Left Out: 34.623+/-0.007 χ^2/NDF:11402566.2/24

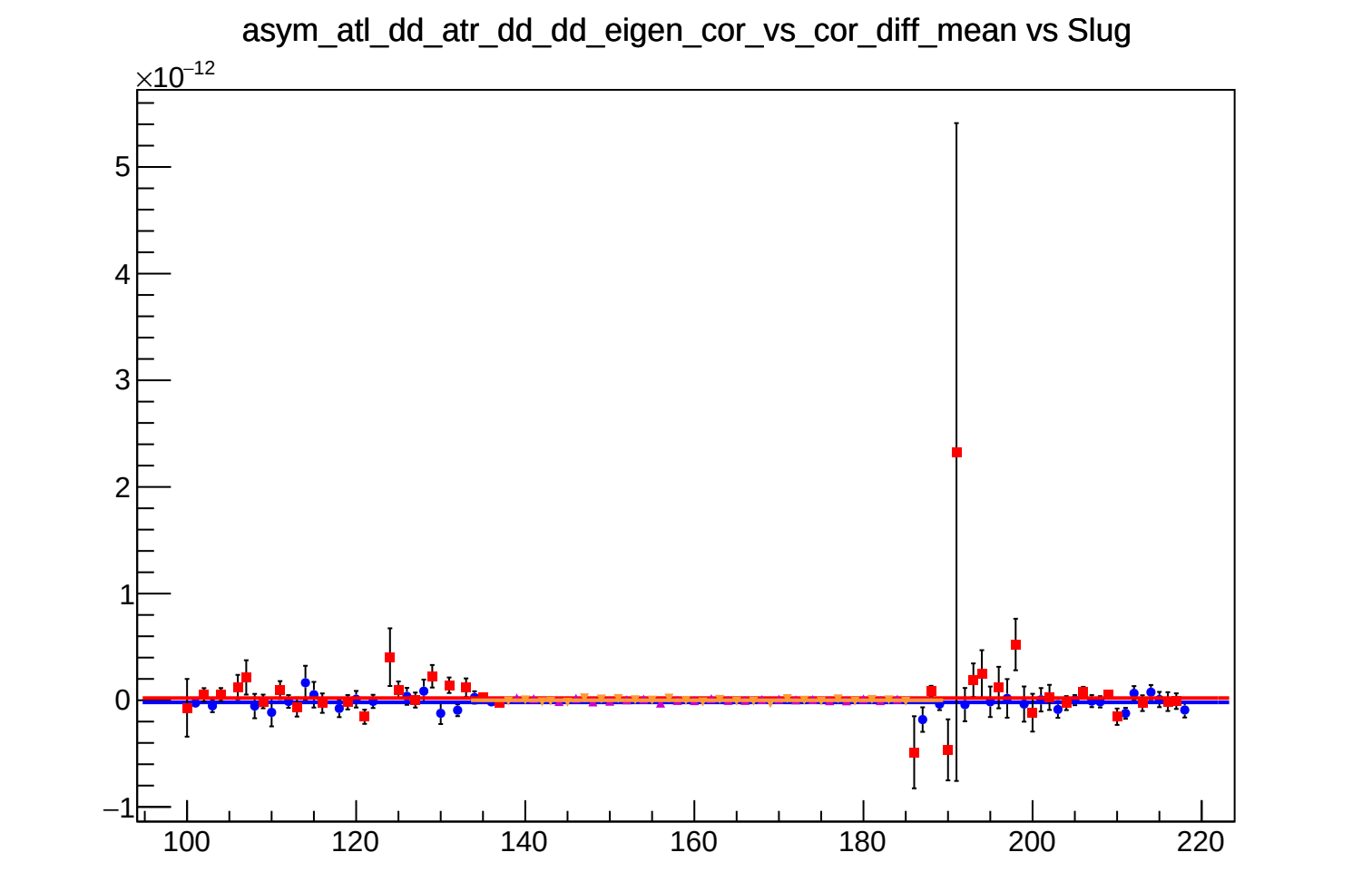
Right Out: 33.279+/-0.006 χ^2/NDF: 6794340.6/35

Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

+ sign 33.057+/-0.005 χ^2/NDF: 15433416.6/56

All: 33.232+/-0.003 χ^2/NDF: 32298178.2/115

- sign 33.417+/-0.005 χ^2/NDF: 16861668.4/58



Right In: -0.000+/-0.000 χ^2/NDF: 20.2/31

Left Out: -0.000+/-0.000 χ^2/NDF:26.0/24

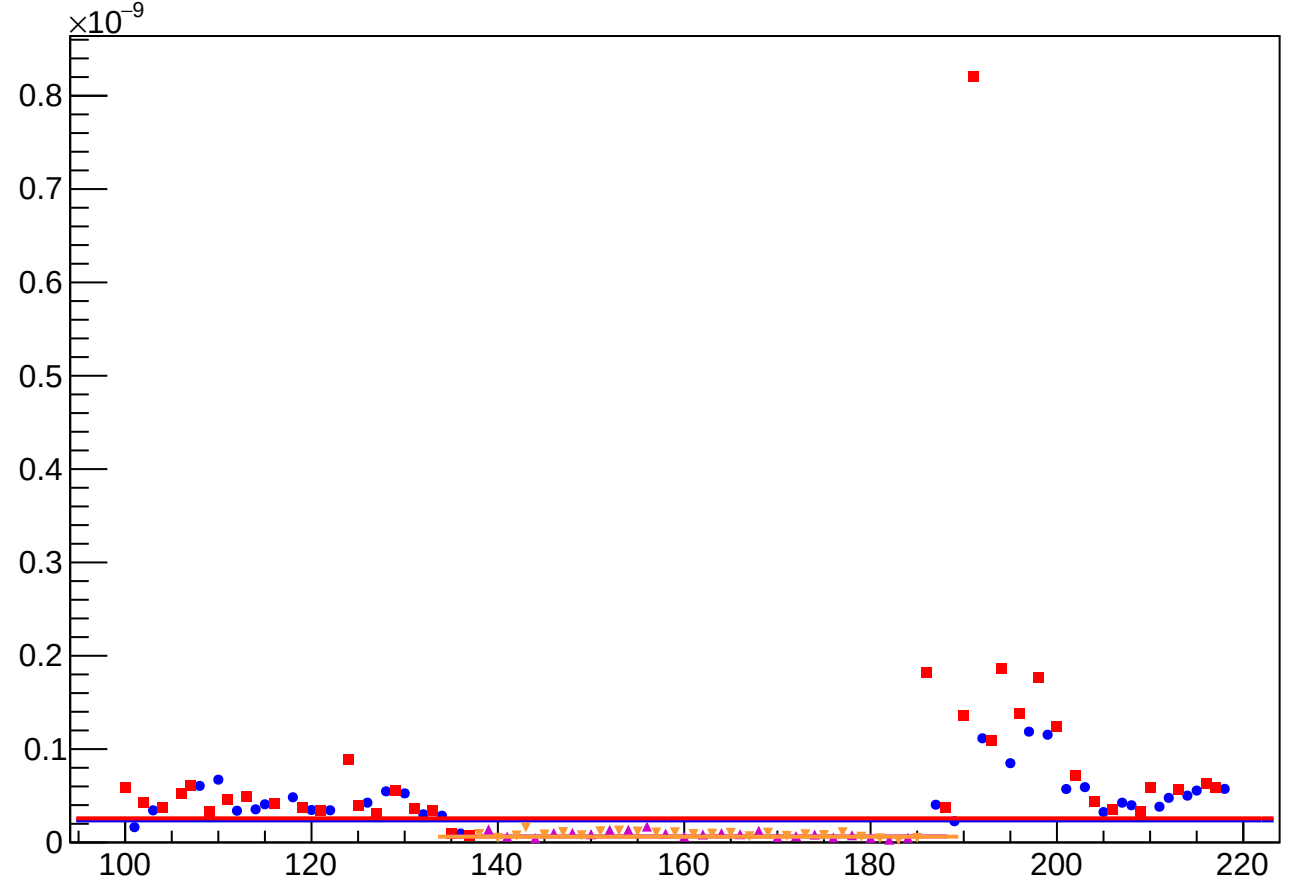
Right Out: 0.000+/-0.000 χ^2/NDF: 50.9/35

Left In: 0.000+/-0.000 χ^2/NDF:20.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 51.2/56

All: 0.000+/-0.000 χ^2/NDF: 127.8/115

- sign 0.000+/-0.000 χ^2/NDF: 74.4/58



Right In: 0.000+/-0.000 χ^2/NDF: 9000854.2/31

Left Out: 0.000+/-0.000 χ^2/NDF:5077918.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 11271684.6/35

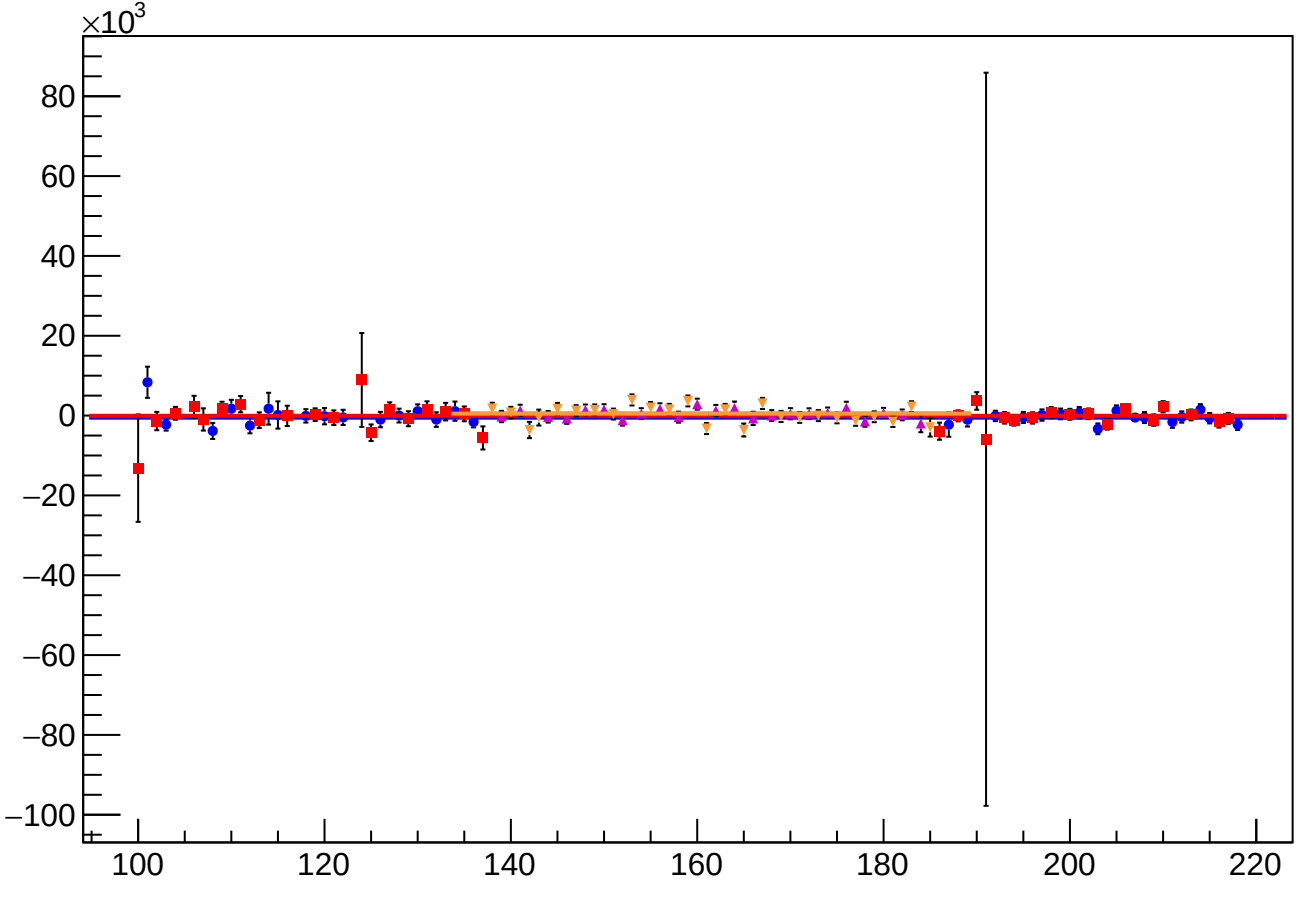
Left In: 0.000+/-0.000 χ^2/NDF:3998320.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 21739824.3/56

All: 0.000+/-0.000 χ^2/NDF: 44743596.1/115

- sign 0.000+/-0.000 χ^2/NDF: 22983801.1/58

reg_asym_at1_avg_at2_avg_dd_mean vs Slug



Right In: -518.956+/-286.661 χ^2/NDF: 26.2/31

Left Out: 492.062+/-288.495 χ^2/NDF:46.9/24

Right Out: -49.443+/-288.010 χ^2/NDF: 32.5/35

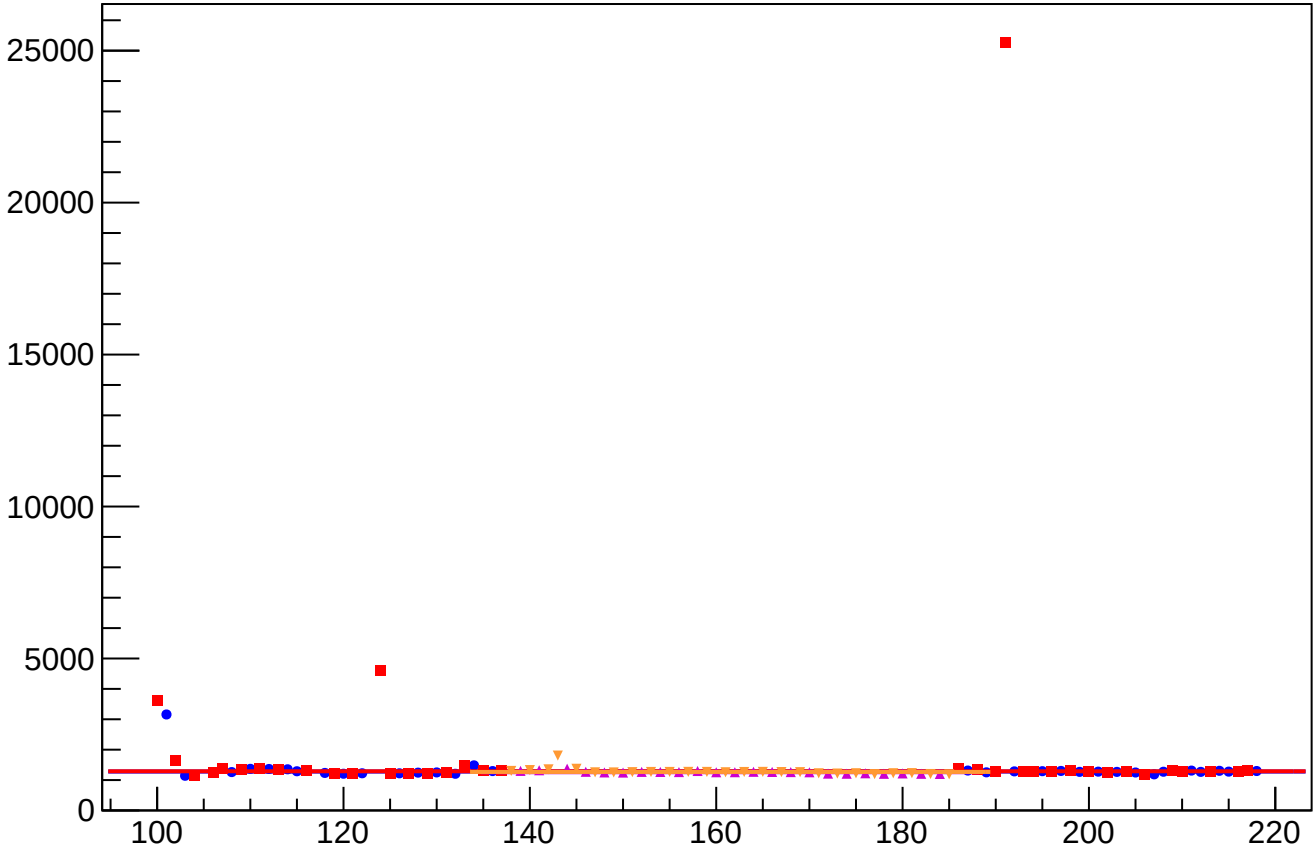
Left In: 486.821+/-293.769 χ^2/NDF:14.4/22

+ sign -16.670+/-203.345 χ^2/NDF: 79.3/56

All: 97.054+/-144.598 χ^2/NDF: 128.5/115

- sign 213.382+/-205.660 χ^2/NDF: 48.6/58

reg_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1279.520+/-0.203 χ^2/NDF: 530618.1/31

Left Out: 1266.967+/-0.204 χ^2/NDF:187545.6/24

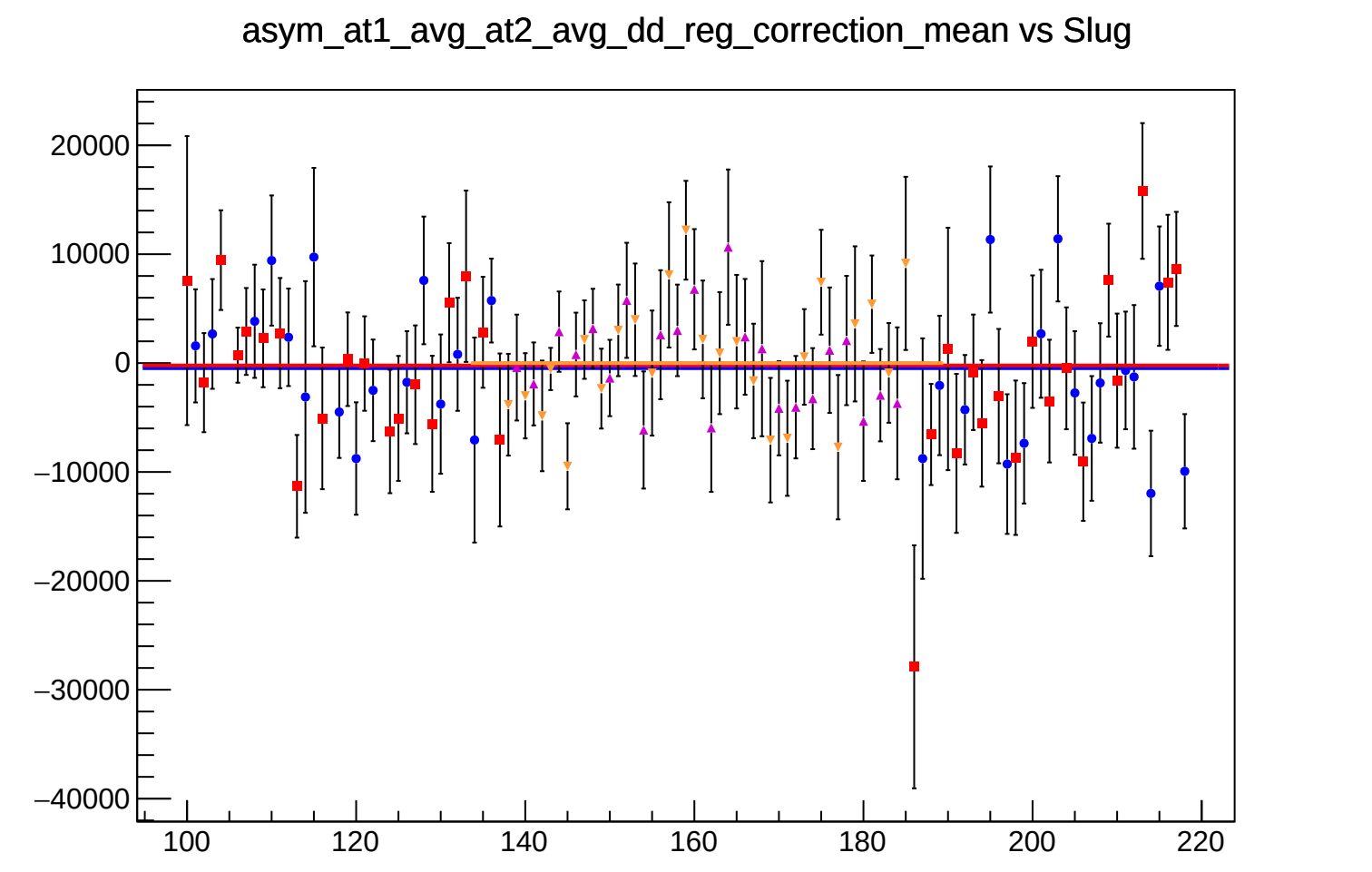
Right Out: 1289.146+/-0.203 χ^2/NDF: 483324.7/35

Left In: 1257.551+/-0.208 χ^2/NDF:36816.4/22

+ sign 1273.284+/-0.144 χ^2/NDF: 720068.9/56

All: 1273.478+/-0.102 χ^2/NDF: 1252019.9/11

- sign 1273.676+/-0.145 χ^2/NDF: 531947.4/58



Right In: -468.160+/-984.534 χ^2/NDF: 38.0/31

Left Out: -0.604+/-886.488 χ^2/NDF:29.1/24

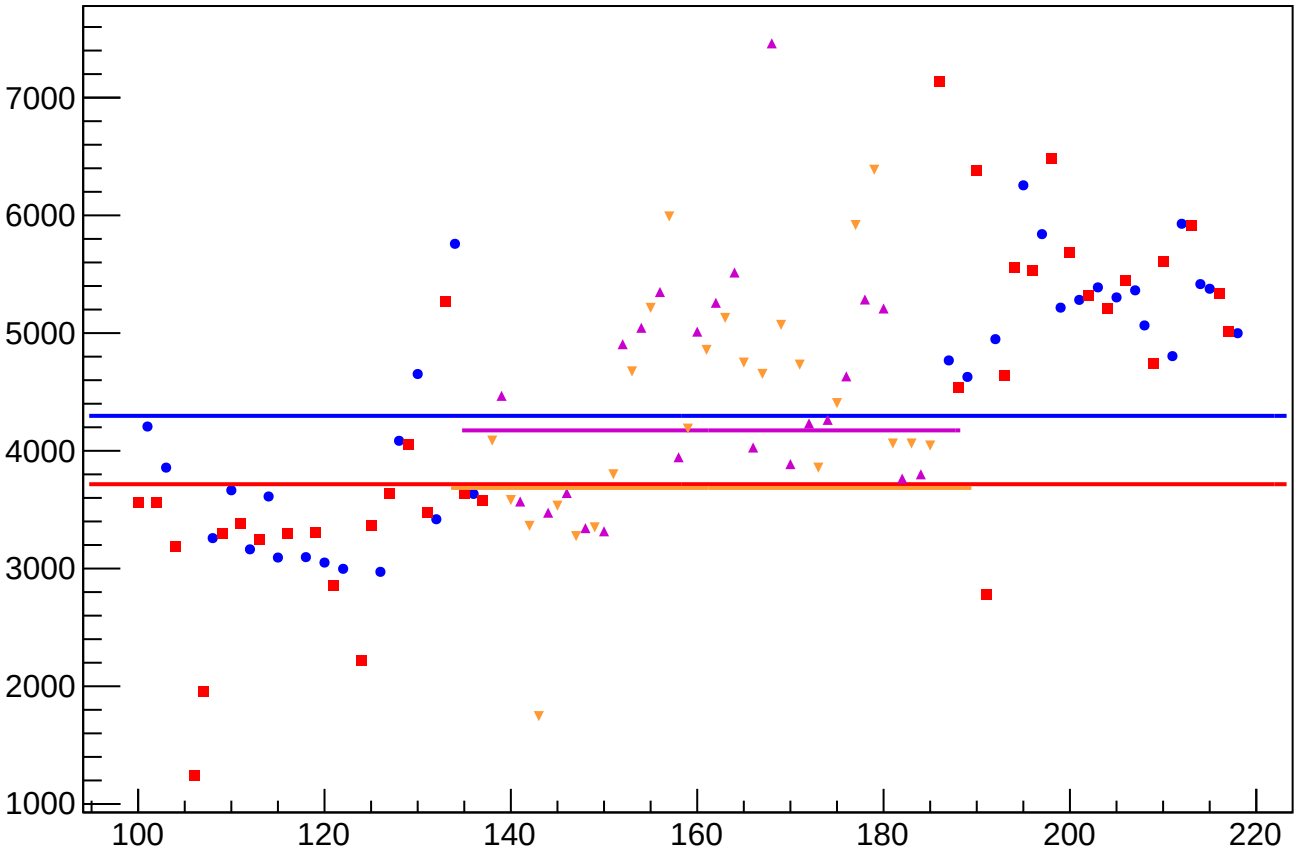
Right Out: -219.445+/-884.354 χ^2/NDF: 46.6/35

Left In: -31.593+/-995.348 χ^2/NDF:14.0/22

+ sign -209.948+/-658.786 χ^2/NDF: 67.2/56

All: -173.390+/-466.650 χ^2/NDF: 127.9/115

- sign -136.573+/-661.106 χ^2/NDF: 60.7/58



Right In: 4297.027+/-0.696 χ^2/NDF: 2076361.0/31

Left Out: 3684.769+/-0.627 χ^2/NDF:3693646.6/24

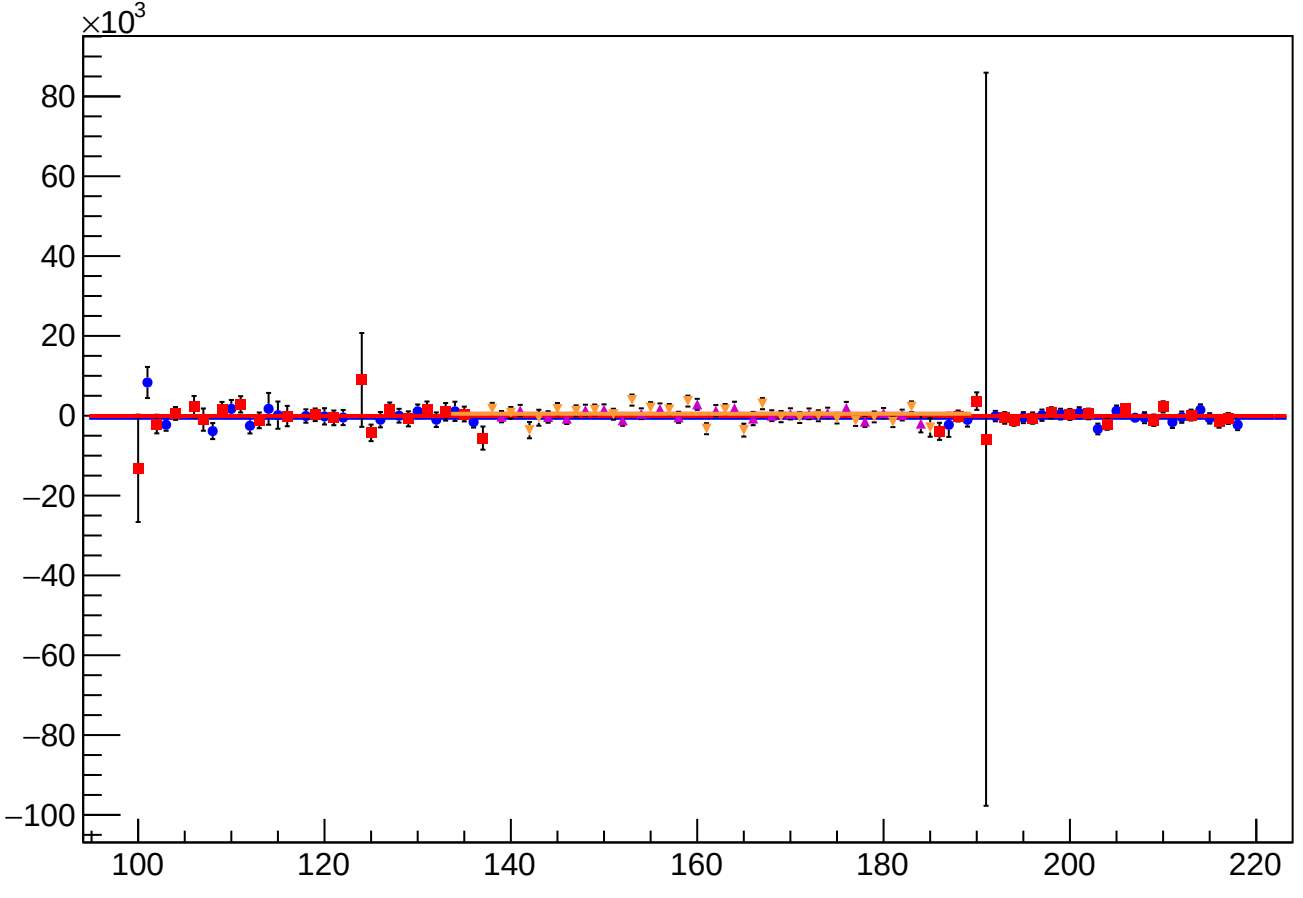
Right Out: 3716.449+/-0.625 χ^2/NDF: 5350706.1/35

Left In: 4173.556+/-0.704 χ^2/NDF:1274968.4/22

+ sign 3958.902+/-0.466 χ^2/NDF: 6197158.3/56

All: 3938.575+/-0.330 χ^2/NDF: 13062379.5/1

- sign 3918.105+/-0.467 χ^2/NDF: 6861399.6/58



Right In: -519.082+/-286.661 χ^2/NDF: 26.2/31

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: -59.595+/-288.077 χ^2/NDF: 32.9/35

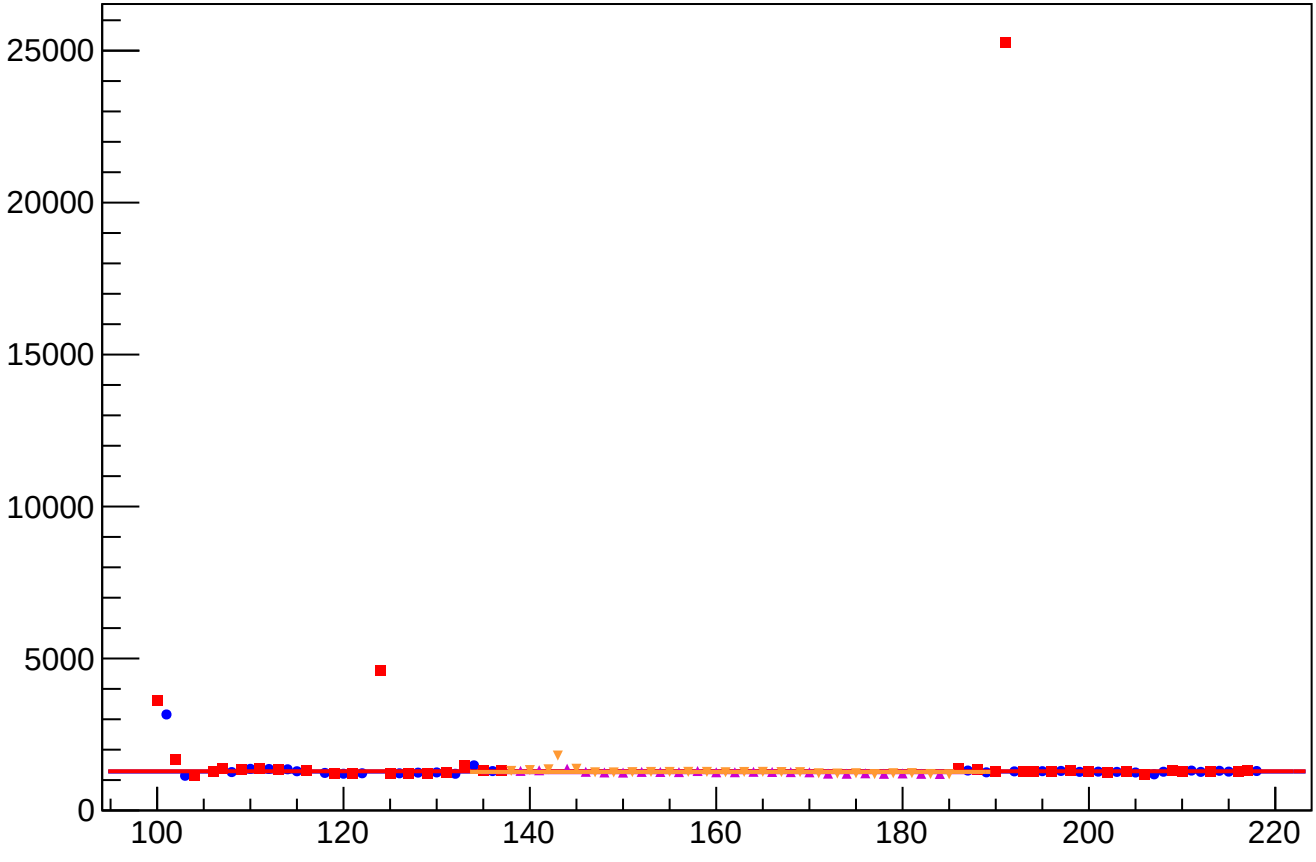
Left In: 486.720+/-293.769 χ^2/NDF:14.4/22

+ sign -16.725+/-203.345 χ^2/NDF: 79.2/56

All: 94.461+/-144.607 χ^2/NDF: 128.9/115

- sign 208.219+/-205.684 χ^2/NDF: 49.1/58

cor_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1279.520+/-0.203 χ^2/NDF: 530619.5/31

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

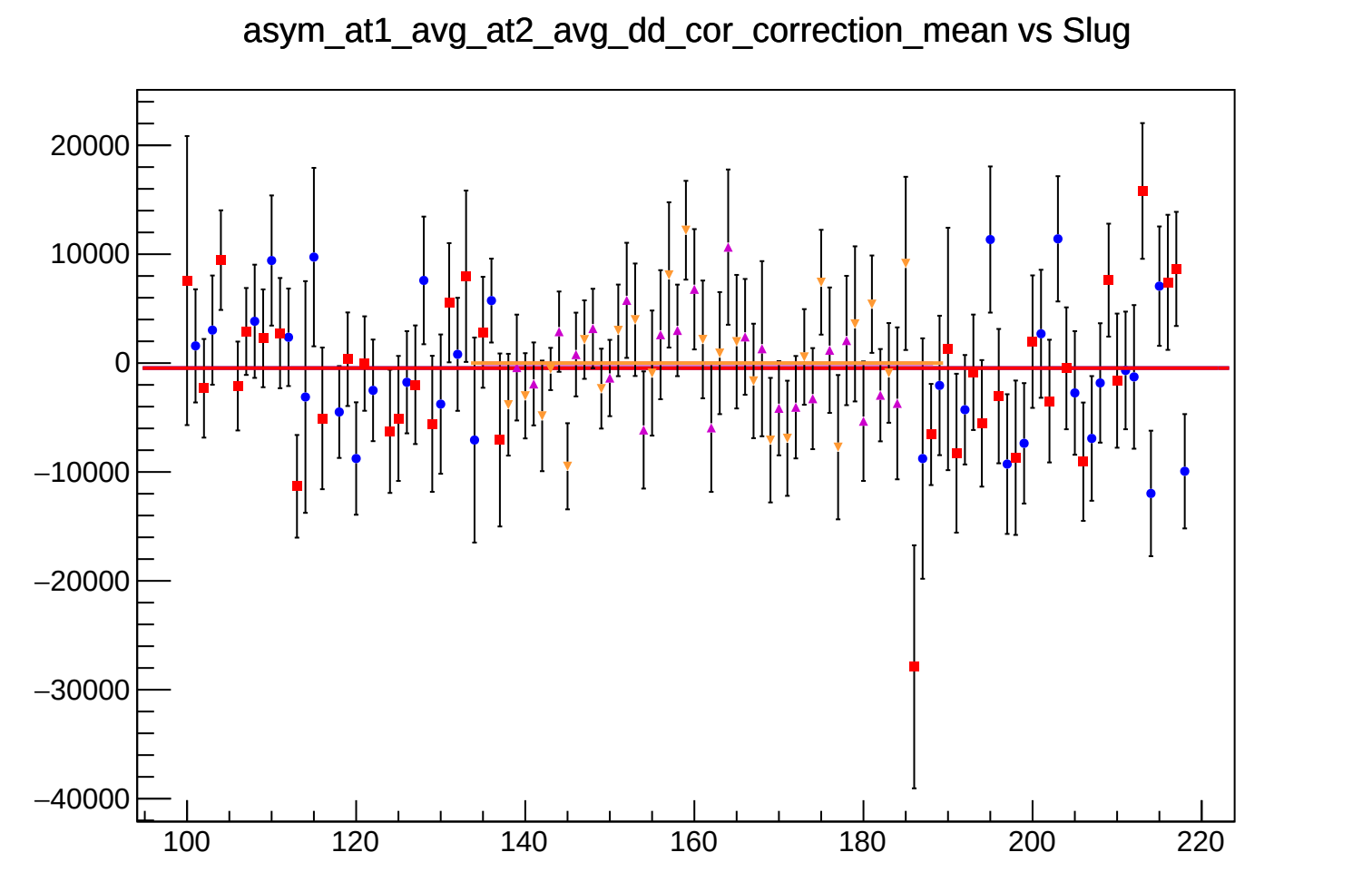
Right Out: 1289.845+/-0.204 χ^2/NDF: 490203.2/35

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

+ sign 1273.284+/-0.144 χ^2/NDF: 720070.2/56

All: 1273.650+/-0.102 χ^2/NDF: 1259431.3/11

- sign 1274.024+/-0.145 χ^2/NDF: 539347.9/58



Right In: -453.478+/-984.347 χ^2/NDF: 38.1/31

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

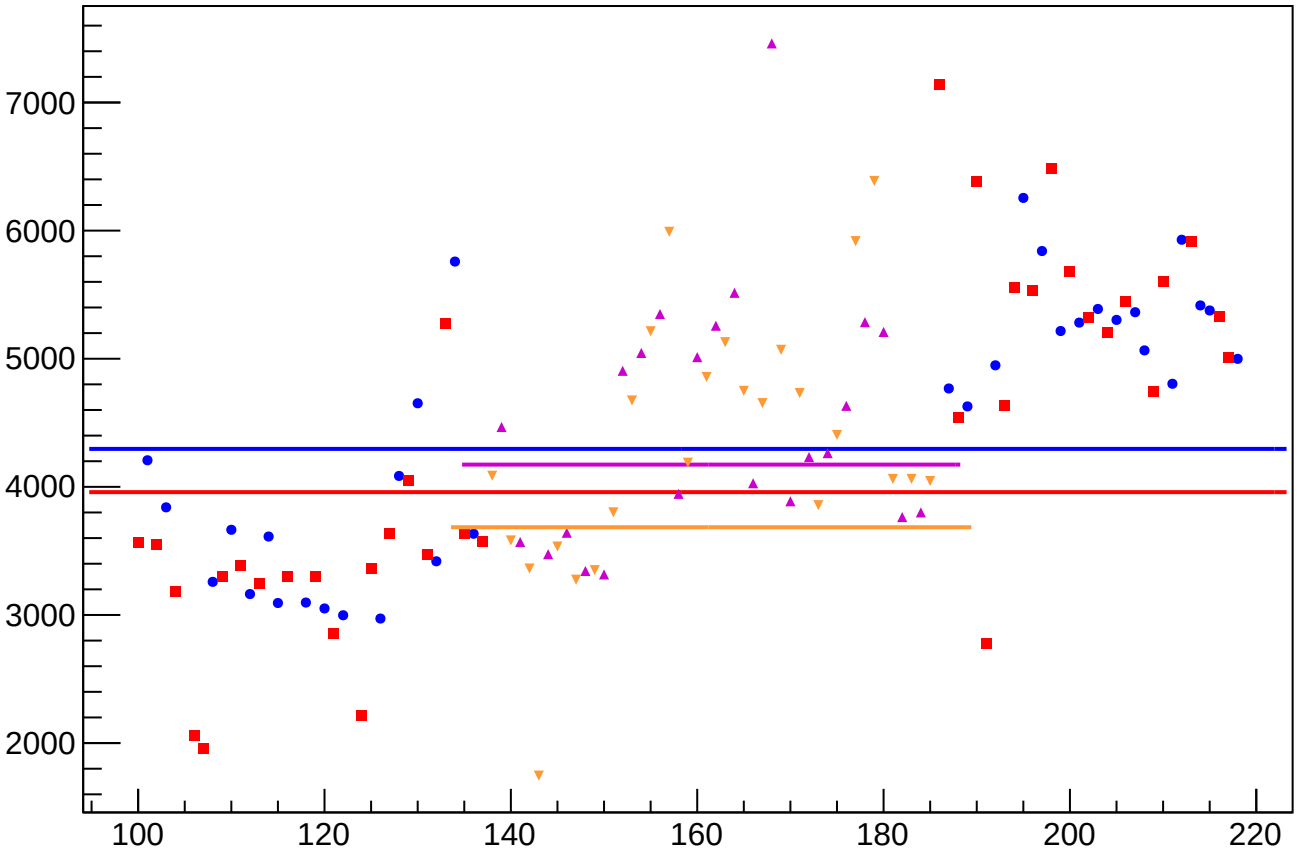
Right Out: -461.451+/-919.430 χ^2/NDF: 46.7/35

Left In: -31.597+/-995.347 χ^2/NDF:14.0/22

+ sign -203.382+/-658.729 χ^2/NDF: 67.2/56

All: -232.710+/-471.569 χ^2/NDF: 128.1/115

- sign -263.540+/-675.381 χ^2/NDF: 60.9/58



Right In: 4296.223+/-0.696 χ^2/NDF: 2077743.5/31

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

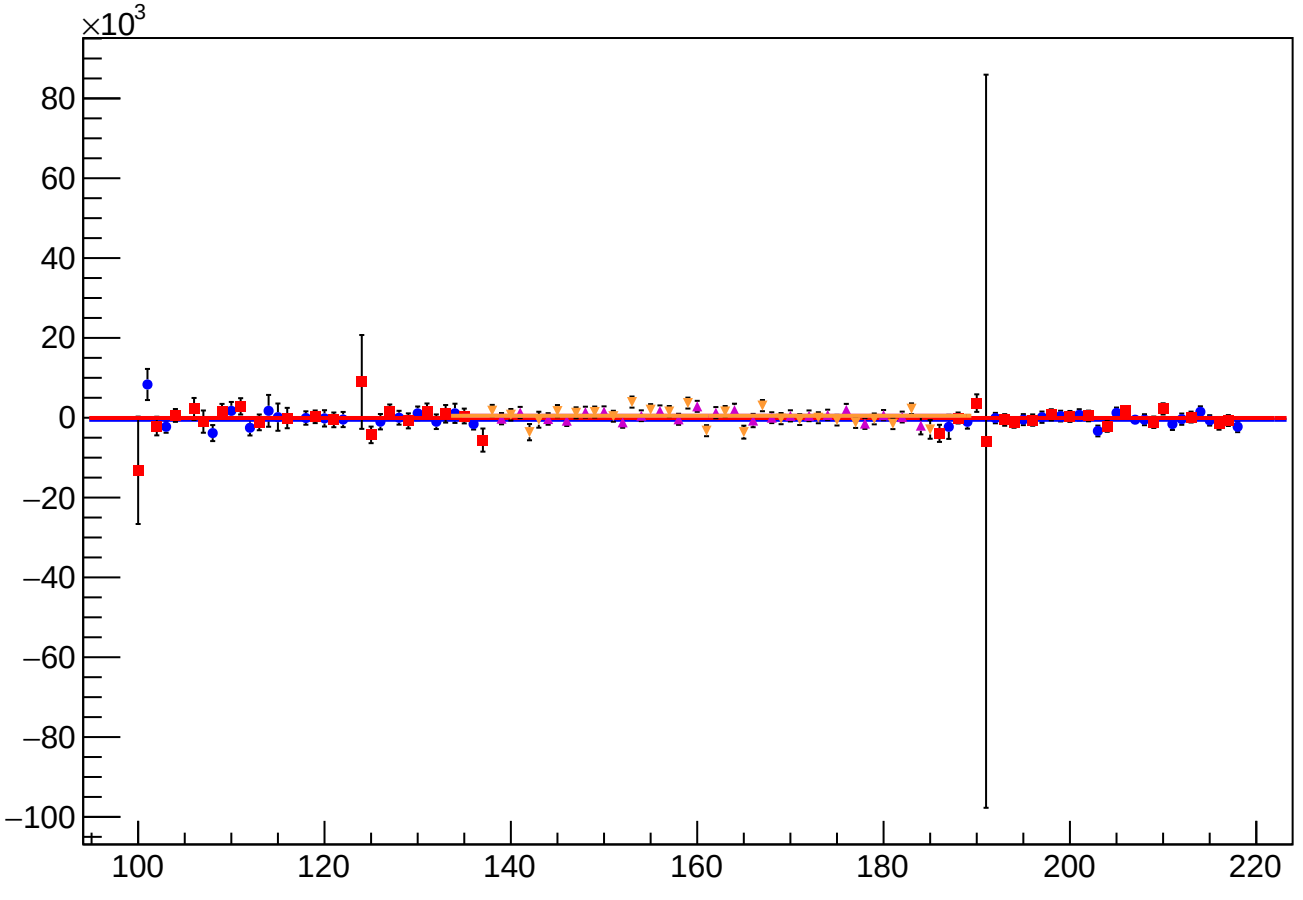
Right Out: 3958.638+/-0.650 χ^2/NDF: 3627021.3/35

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

\+ sign 3958.595+/-0.466 χ^2/NDF: 6197559.1/56

All: 4006.855+/-0.333 χ^2/NDF: 11171878.2/1

\- sign 4057.586+/-0.478 χ^2/NDF: 4952299.9/58



Right In: -519.082+/-286.661 χ^2/NDF: 26.2/31

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: -59.595+/-288.077 χ^2/NDF: 32.9/35

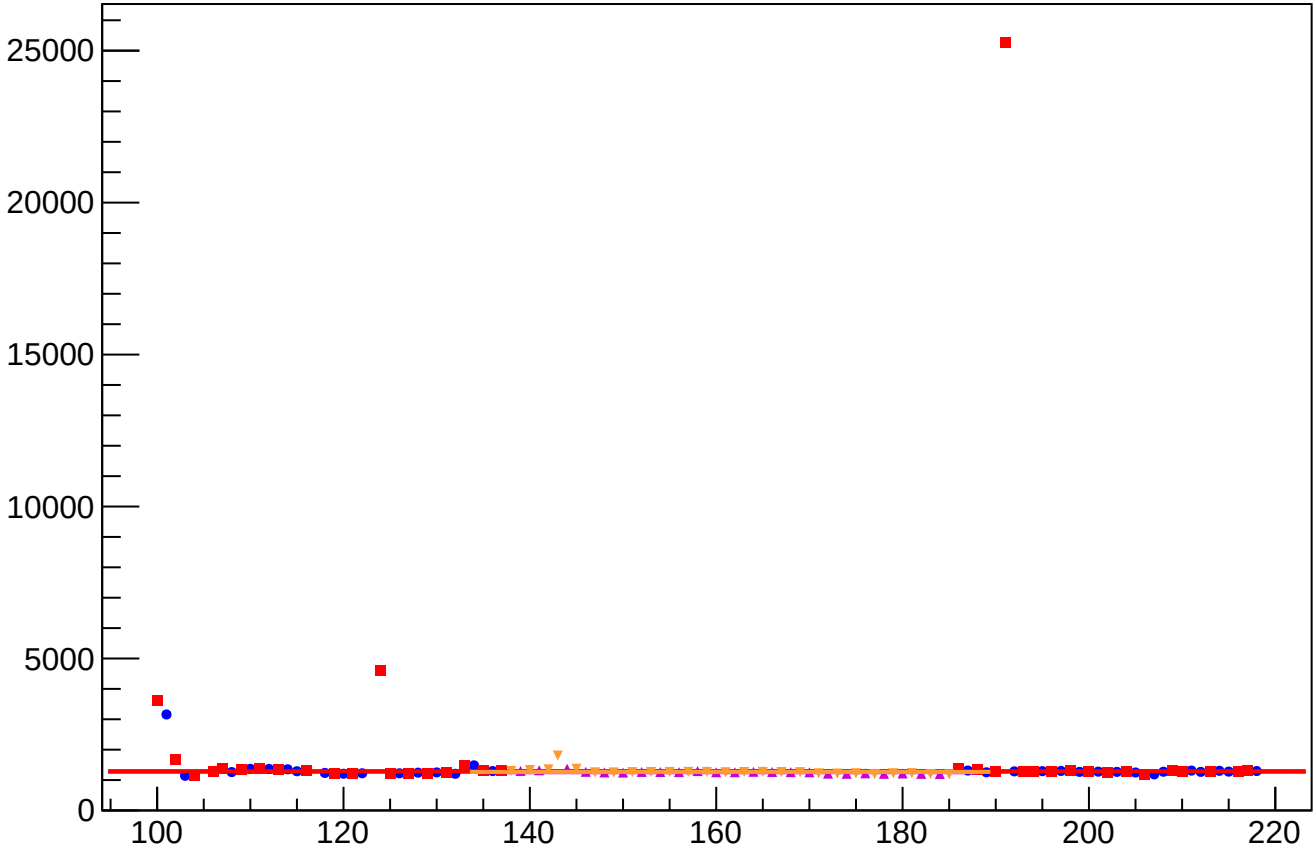
Left In: 486.720+/-293.769 χ^2/NDF:14.4/22

+ sign -16.725+/-203.345 χ^2/NDF: 79.2/56

All: 94.461+/-144.607 χ^2/NDF: 128.9/115

- sign 208.219+/-205.684 χ^2/NDF: 49.1/58

eigen_cor_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1279.520+/-0.203 χ^2/NDF: 530619.5/31

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

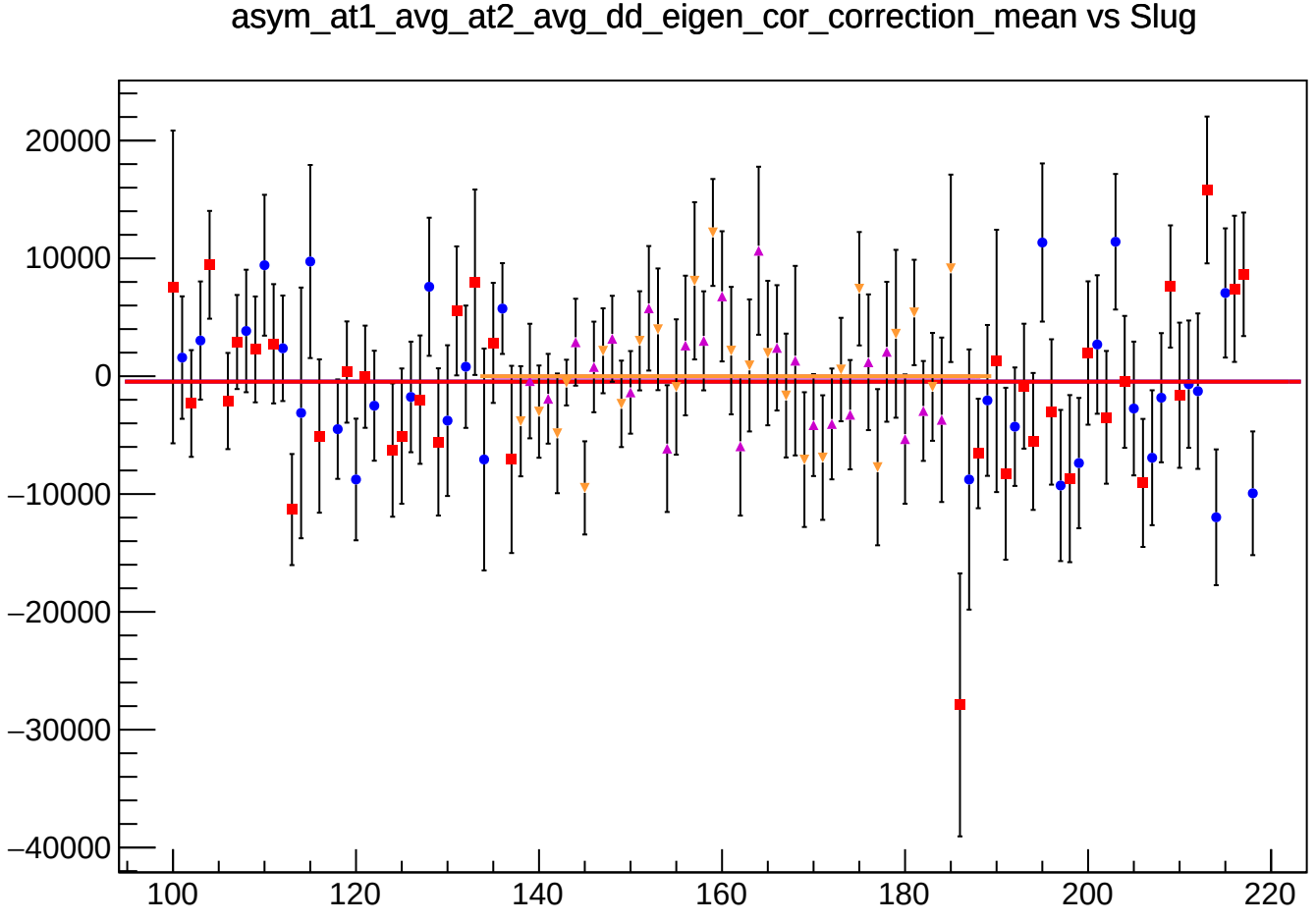
Right Out: 1289.845+/-0.204 χ^2/NDF: 490203.2/35

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

+ sign 1273.284+/-0.144 χ^2/NDF: 720070.2/56

All: 1273.650+/-0.102 χ^2/NDF: 1259431.3/11

- sign 1274.024+/-0.145 χ^2/NDF: 539347.9/58



Right In: -453.478+/-984.347 χ^2/NDF: 38.1/31

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

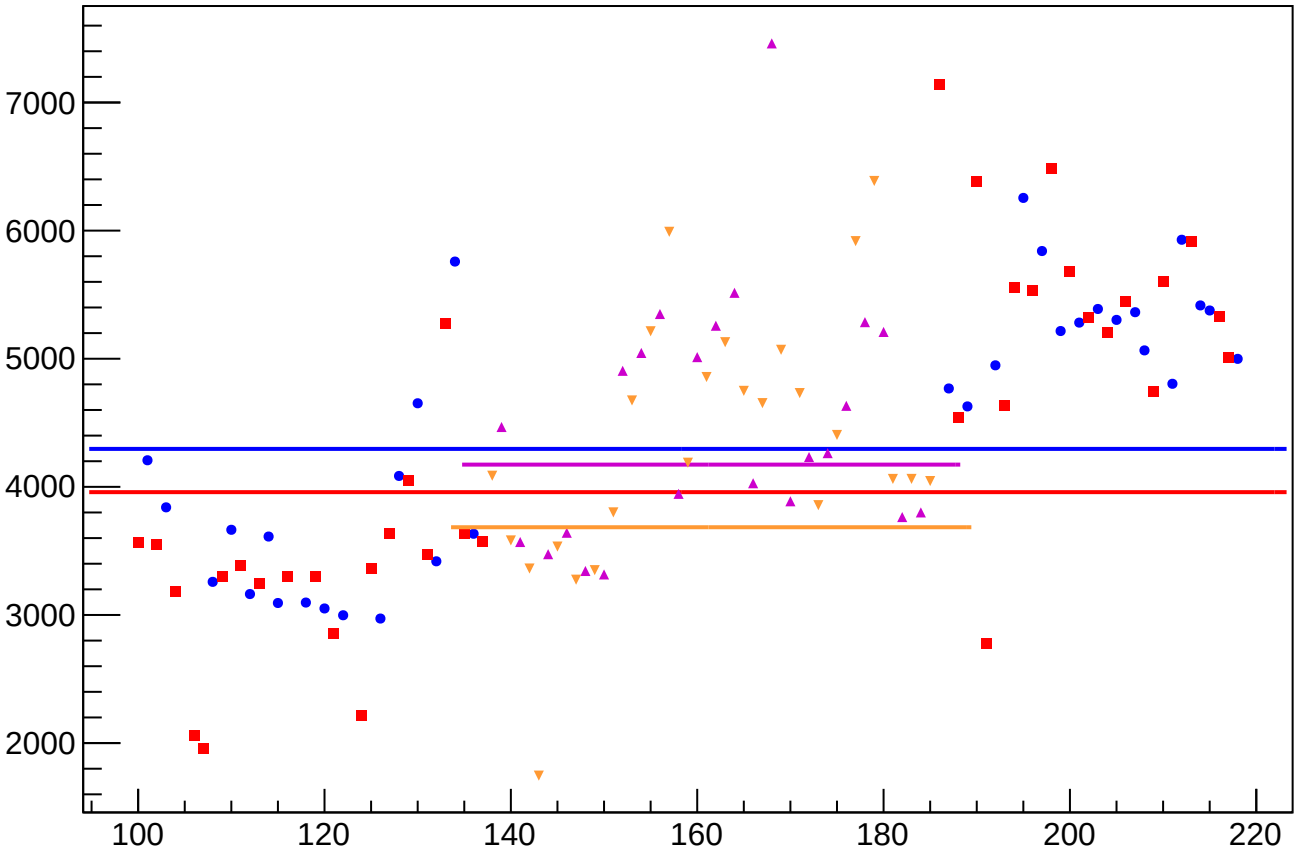
Right Out: -461.451+/-919.430 χ^2/NDF: 46.7/35

Left In: -31.597+/-995.347 χ^2/NDF:14.0/22

+ sign -203.382+/-658.729 χ^2/NDF: 67.2/56

All: -232.710+/-471.569 χ^2/NDF: 128.1/115

- sign -263.540+/-675.381 χ^2/NDF: 60.9/58



Right In: 4296.223+/-0.696 χ^2/NDF: 2077743.5/31

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

Right Out: 3958.638+/-0.650 χ^2/NDF: 3627021.3/35

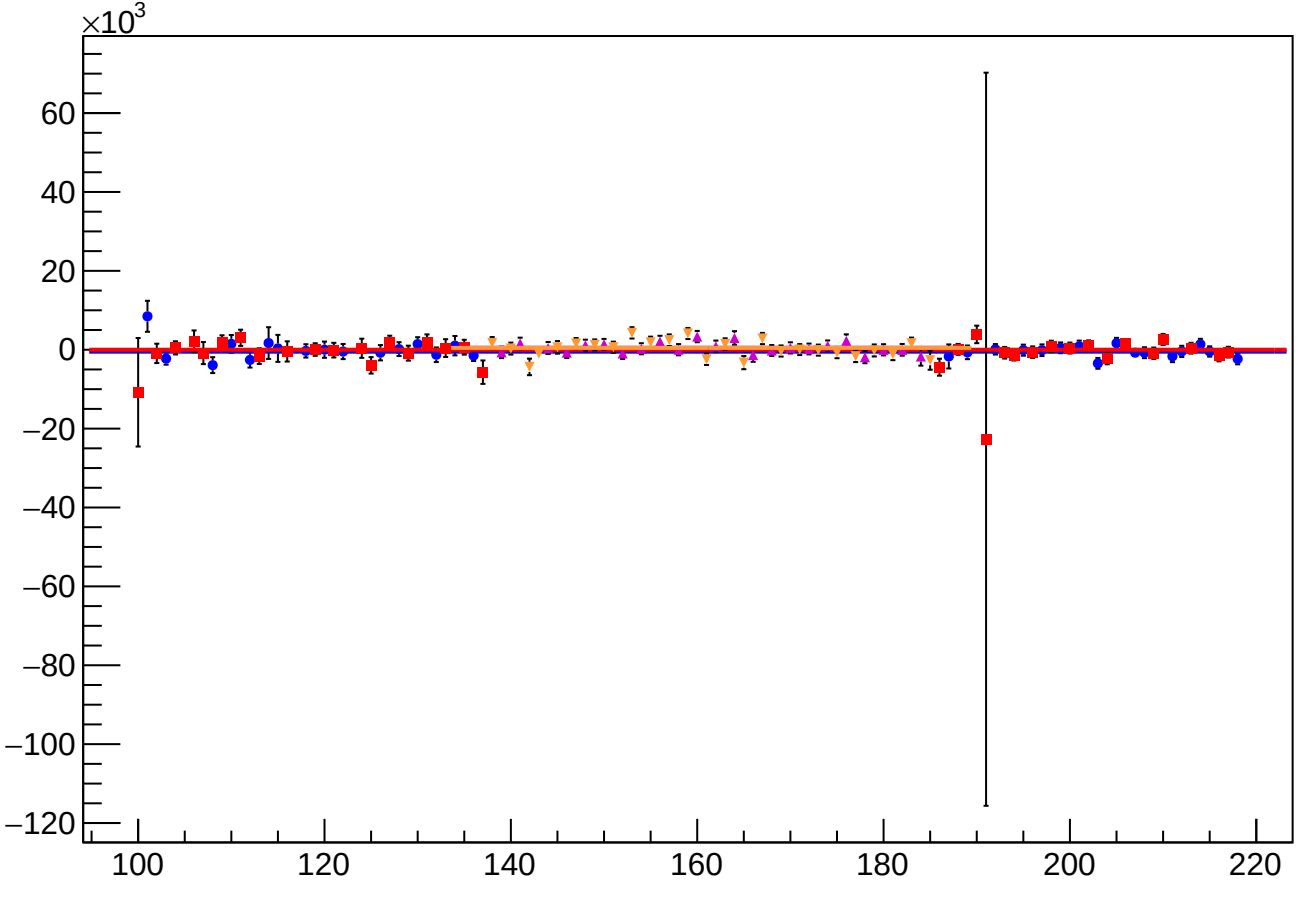
Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

+ sign 3958.595+/-0.466 χ^2/NDF: 6197559.1/56

All: 4006.855+/-0.333 χ^2/NDF: 11171878.2/1

- sign 4057.586+/-0.478 χ^2/NDF: 4952299.9/58

dit_asym_at1_avg_at2_avg_dd_mean vs Slug



Right In: -490.252+/-290.193 χ^2/NDF: 27.5/31

Left Out: 467.929+/-294.257 χ^2/NDF:44.1/24

Right Out: 2.606+/-290.184 χ^2/NDF: 34.0/35

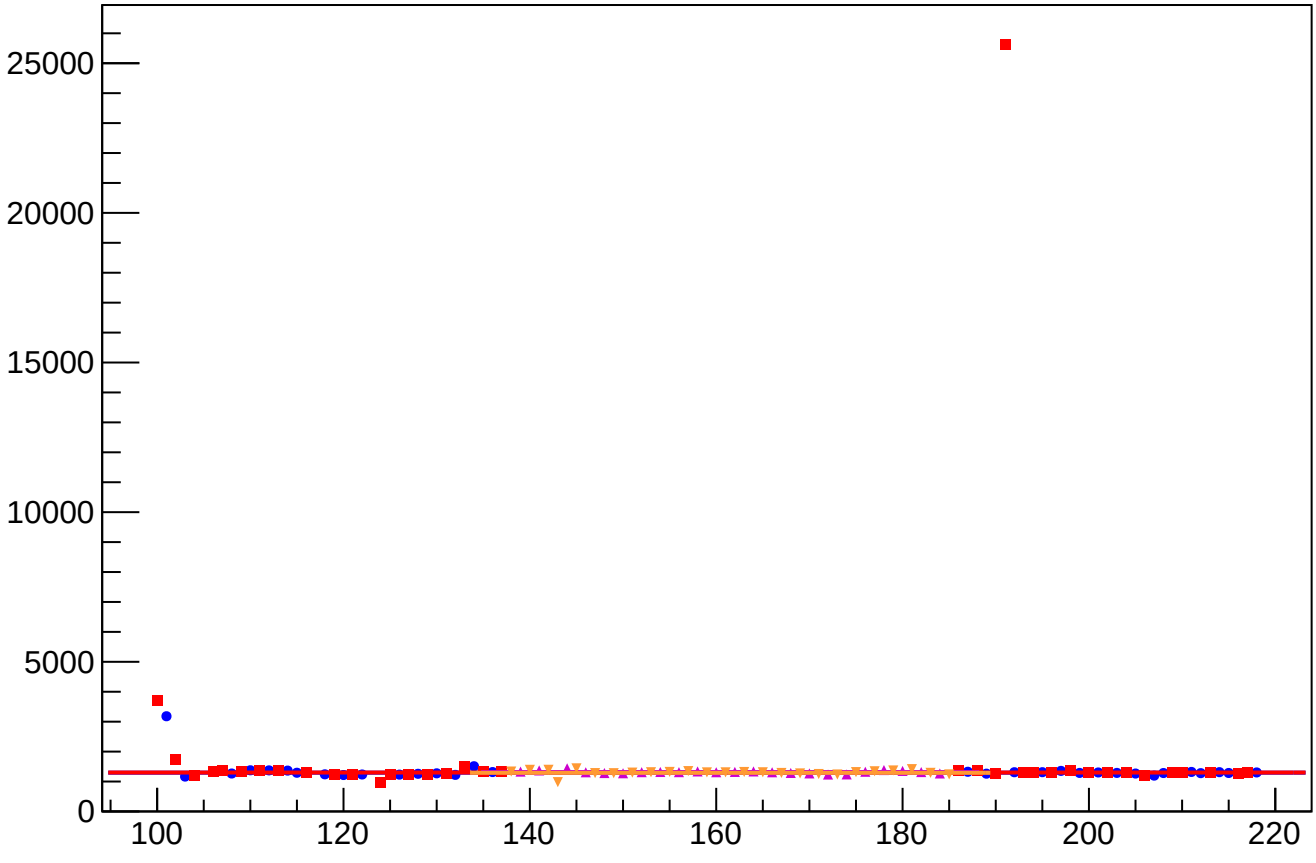
Left In: 503.558+/-307.055 χ^2/NDF:17.4/22

+ sign -17.823+/-206.619 χ^2/NDF: 77.0/56

All: 107.925+/-147.593 χ^2/NDF: 130.6/115

- sign 238.942+/-210.904 χ^2/NDF: 52.8/58

dit_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1295.181+/-0.205 χ^2/NDF: 530283.4/31

Left Out: 1291.211+/-0.208 χ^2/NDF:230735.1/24

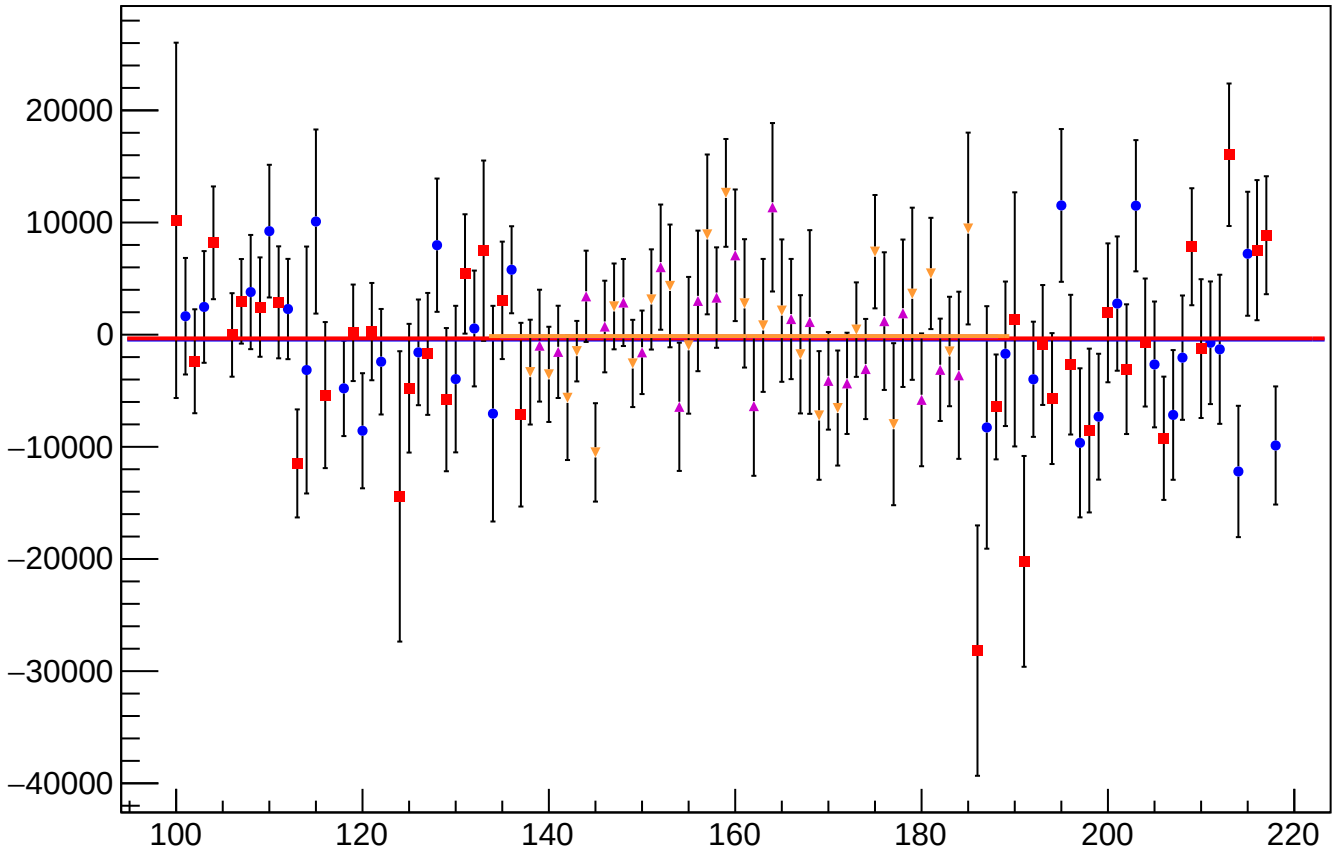
Right Out: 1300.430+/-0.205 χ^2/NDF: 378990.2/35

Left In: 1314.006+/-0.217 χ^2/NDF:43044.7/22

+ sign 1293.224+/-0.146 χ^2/NDF: 761203.2/56

All: 1299.889+/-0.104 χ^2/NDF: 1189553.7/11

- sign 1306.833+/-0.149 χ^2/NDF: 424100.6/58



Right In: -435.912+/-990.415 χ^2/NDF: 37.9/31

Left Out: -127.273+/-977.231 χ^2/NDF:28.6/24

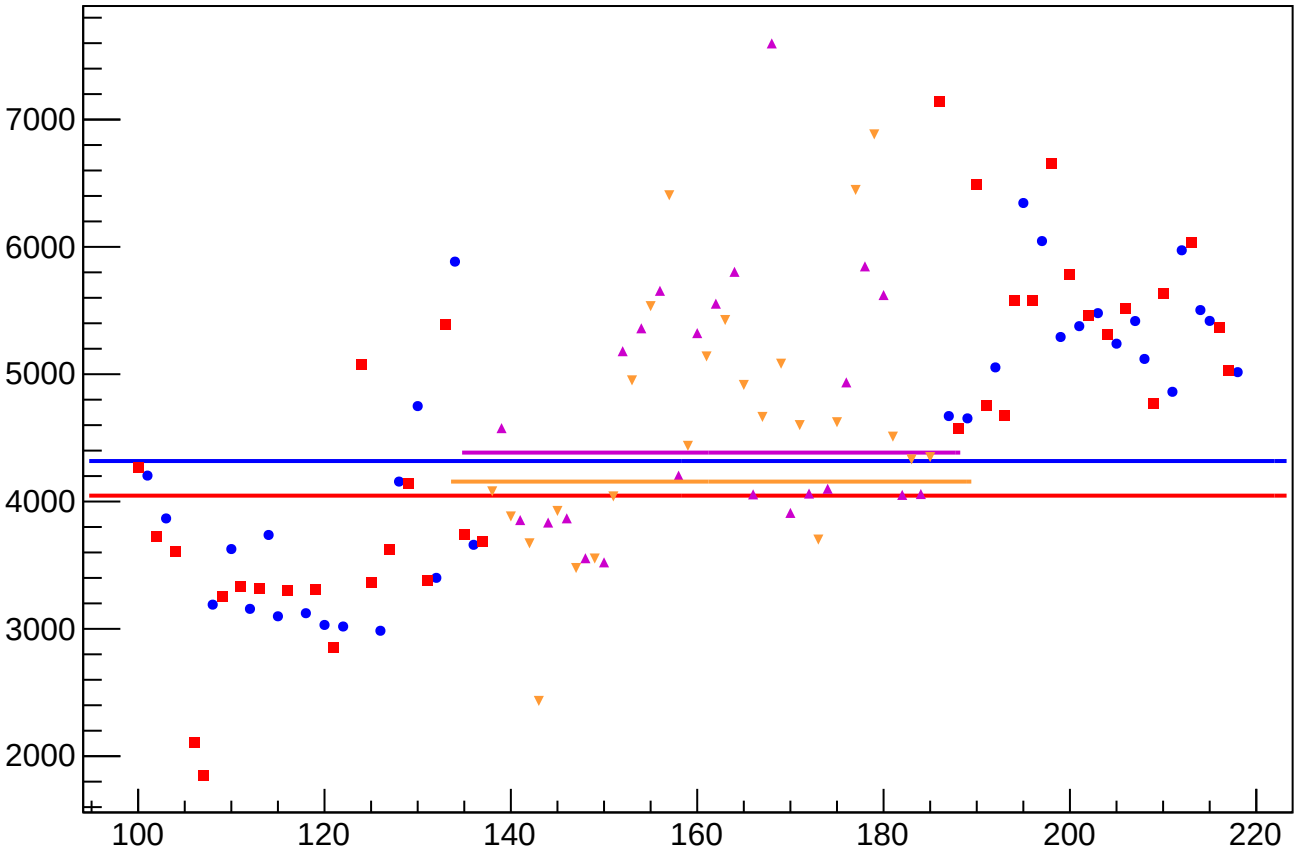
Right Out: -334.966+/-934.371 χ^2/NDF: 48.3/35

Left In: -159.452+/-1045.510 χ^2/NDF:13.8/22

+ sign -279.524+/-695.621 χ^2/NDF: 66.5/56

All: -268.295+/-492.256 χ^2/NDF: 128.6/115

- sign -257.031+/-696.691 χ^2/NDF: 62.1/58



Right In: 4318.059+/-0.700 χ^2/NDF: 2178483.2/31

Left Out: 4156.582+/-0.691 χ^2/NDF:2080766.1/24

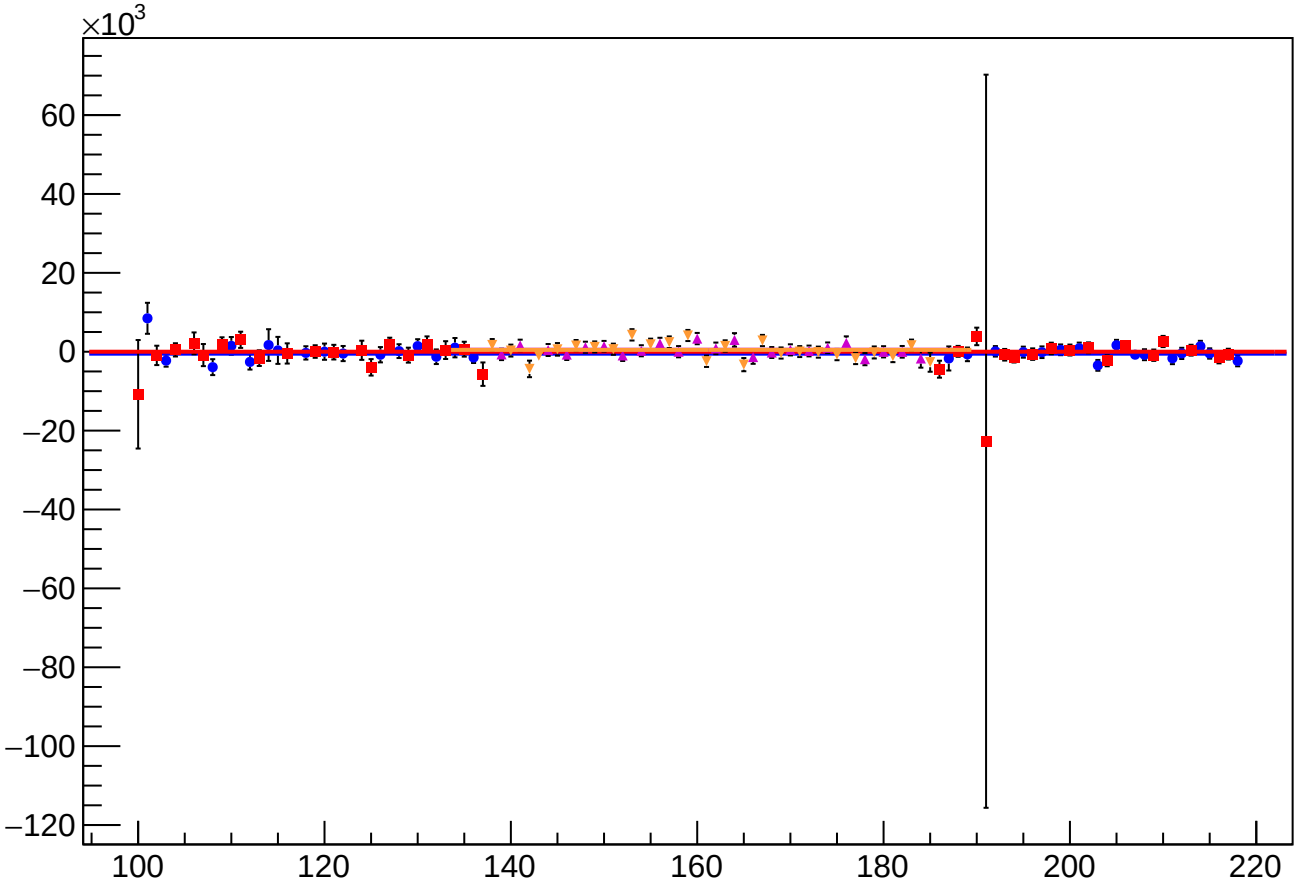
Right Out: 4046.251+/-0.661 χ^2/NDF: 3653438.5/35

Left In: 4384.323+/-0.739 χ^2/NDF:1255470.8/22

+ sign 4236.239+/-0.492 χ^2/NDF: 4286187.7/56

All: 4216.334+/-0.348 χ^2/NDF: 9314638.0/11

- sign 4196.369+/-0.493 χ^2/NDF: 5025170.3/58



Right In: -490.250+/-290.193 χ^2/NDF: 27.5/31

Left Out: 467.933+/-294.257 χ^2/NDF:44.1/24

Right Out: 2.608+/-290.184 χ^2/NDF: 34.0/35

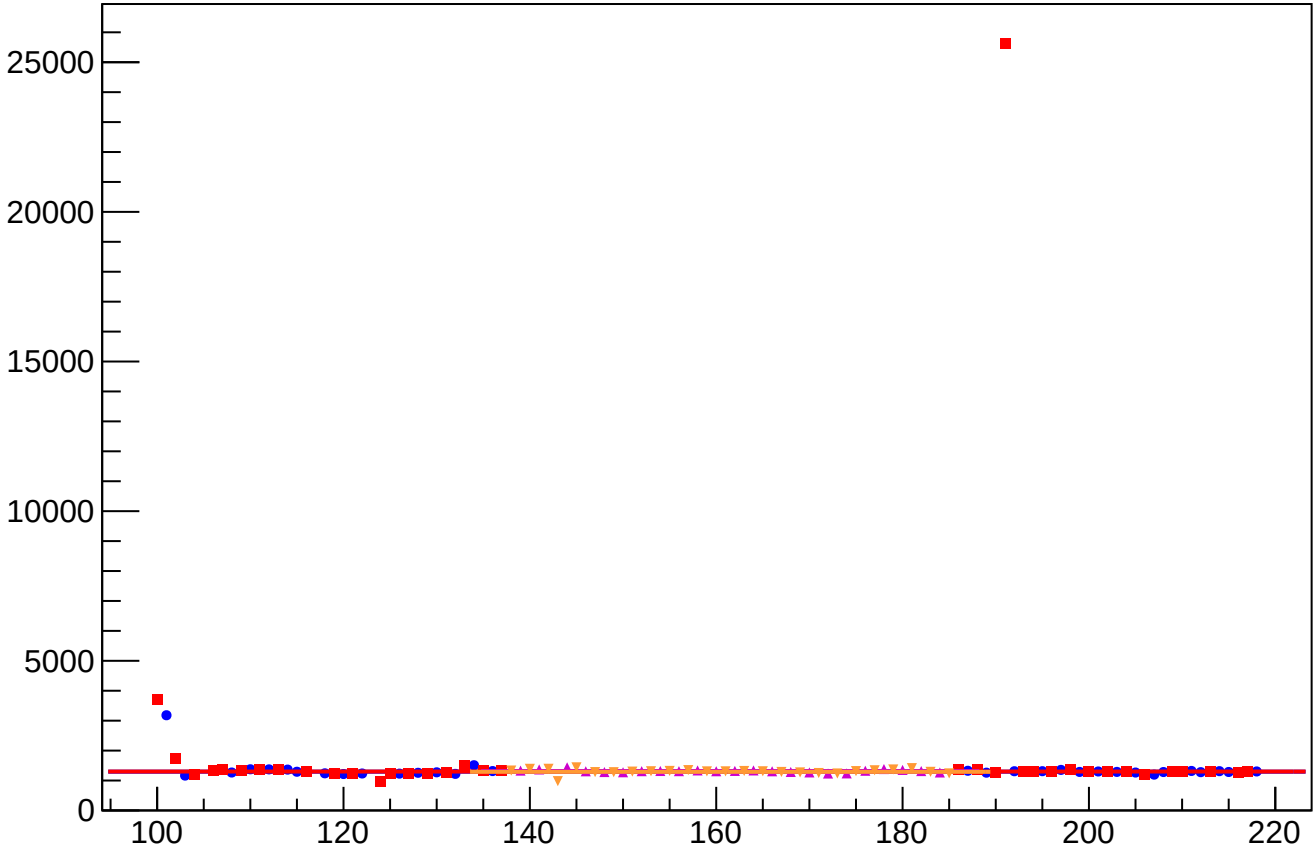
Left In: 503.558+/-307.056 χ^2/NDF:17.4/22

+ sign -17.821+/-206.620 χ^2/NDF: 77.0/56

All: 107.927+/-147.593 χ^2/NDF: 130.6/115

- sign 238.943+/-210.904 χ^2/NDF: 52.8/58

eigen_dit_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1295.181+/-0.205 χ^2/NDF: 530283.5/31

Left Out: 1291.212+/-0.208 χ^2/NDF:230737.6/24

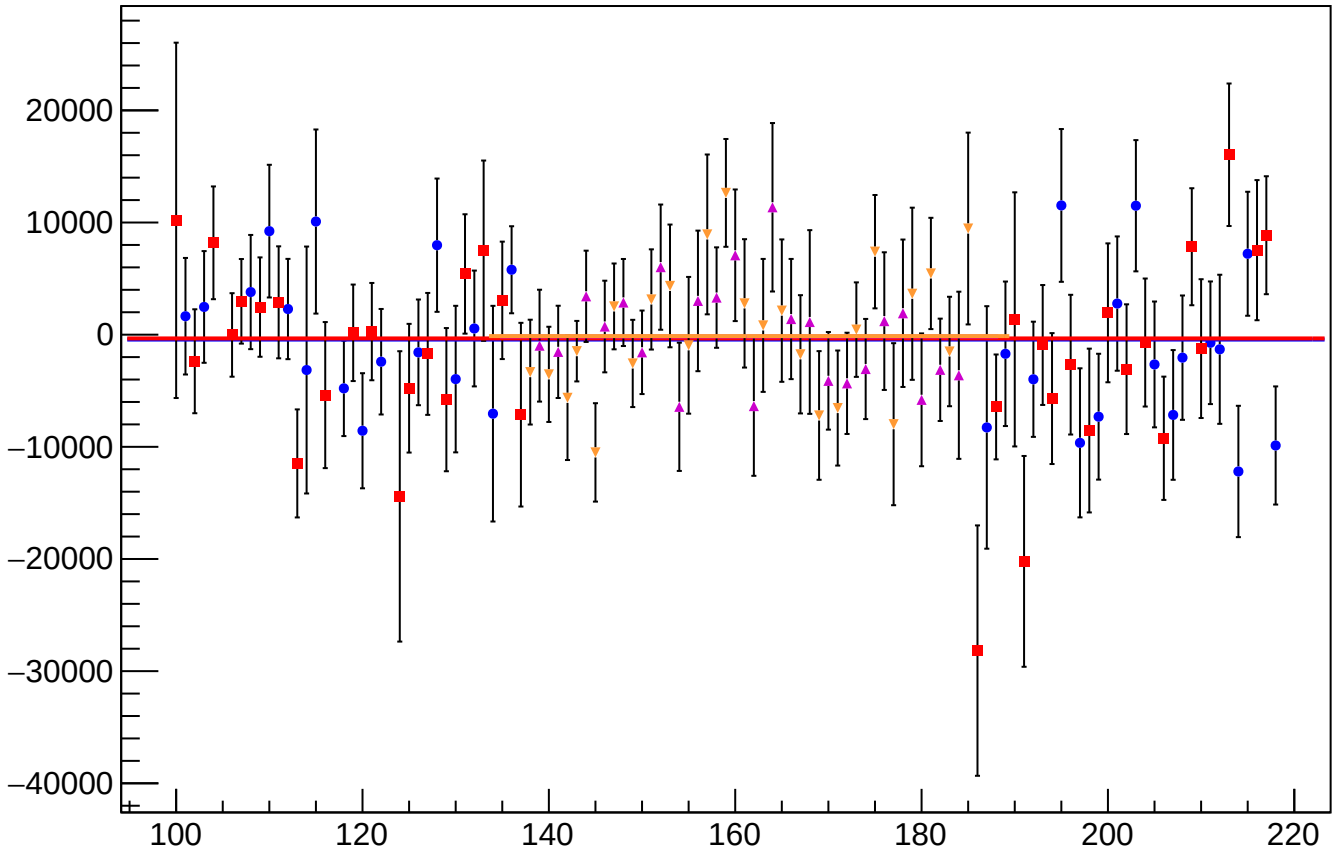
Right Out: 1300.430+/-0.205 χ^2/NDF: 378990.3/35

Left In: 1314.007+/-0.217 χ^2/NDF:43046.8/22

+ sign 1293.224+/-0.146 χ^2/NDF: 761205.6/56

All: 1299.890+/-0.104 χ^2/NDF: 1189558.8/11

- sign 1306.833+/-0.149 χ^2/NDF: 424103.2/58



Right In: -435.914+/-990.415 χ^2/NDF: 37.9/31

Left Out: -127.271+/-977.232 χ^2/NDF:28.6/24

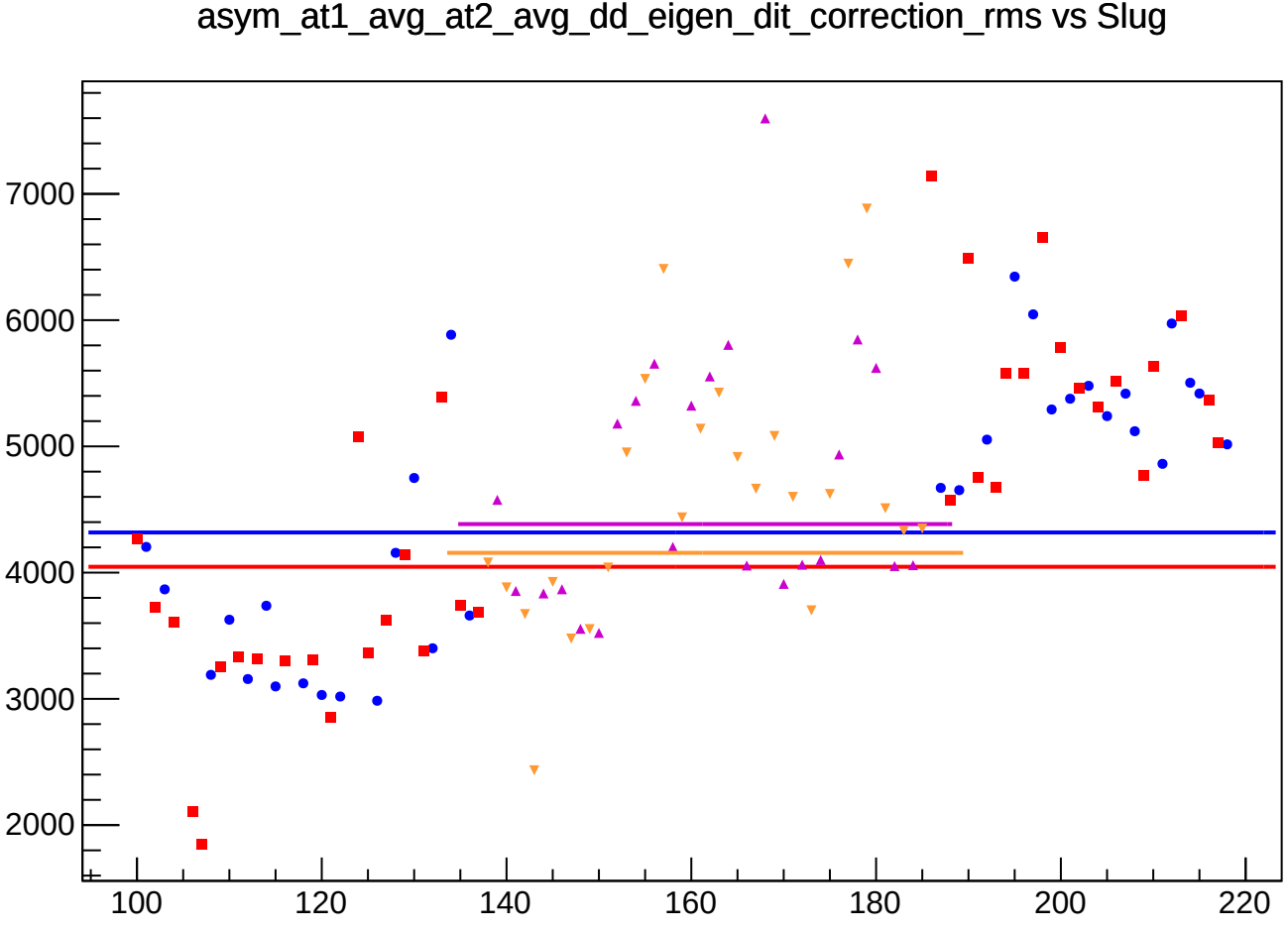
Right Out: -334.961+/-934.371 χ^2/NDF: 48.3/35

Left In: -159.454+/-1045.511 χ^2/NDF:13.8/22

+ sign -279.525+/-695.621 χ^2/NDF: 66.5/56

All: -268.294+/-492.256 χ^2/NDF: 128.6/115

- sign -257.029+/-696.691 χ^2/NDF: 62.1/58



Right In: 4318.055+/-0.700 χ^2/NDF: 2178522.1/31

Left Out: 4156.588+/-0.691 χ^2/NDF:2080769.0/24

Right Out: 4046.245+/-0.661 χ^2/NDF: 3653475.0/35

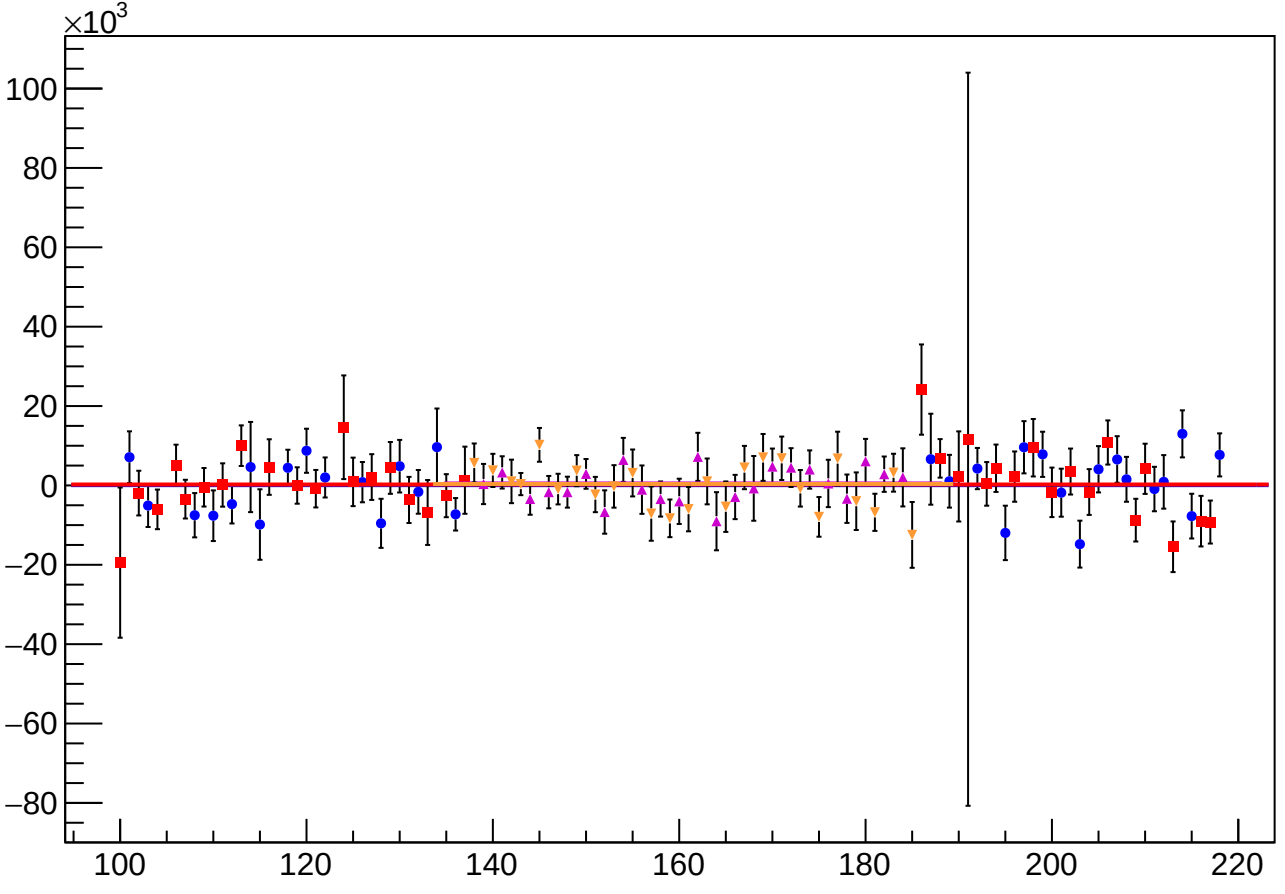
Left In: 4384.329+/-0.739 χ^2/NDF:1255475.0/22

+ sign 4236.240+/-0.492 χ^2/NDF: 4286225.8/56

All: 4216.335+/-0.348 χ^2/NDF: 9314725.6/11

- sign 4196.368+/-0.493 χ^2/NDF: 5025219.5/58

asym_at1_avg_at2_avg_dd_mean vs Slug



Right In: 70.199+/-1040.368 χ^2/NDF: 43.4/31

Left Out: 362.528+/-979.860 χ^2/NDF:27.7/24

Right Out: 228.319+/-1008.085 χ^2/NDF: 38.7/35

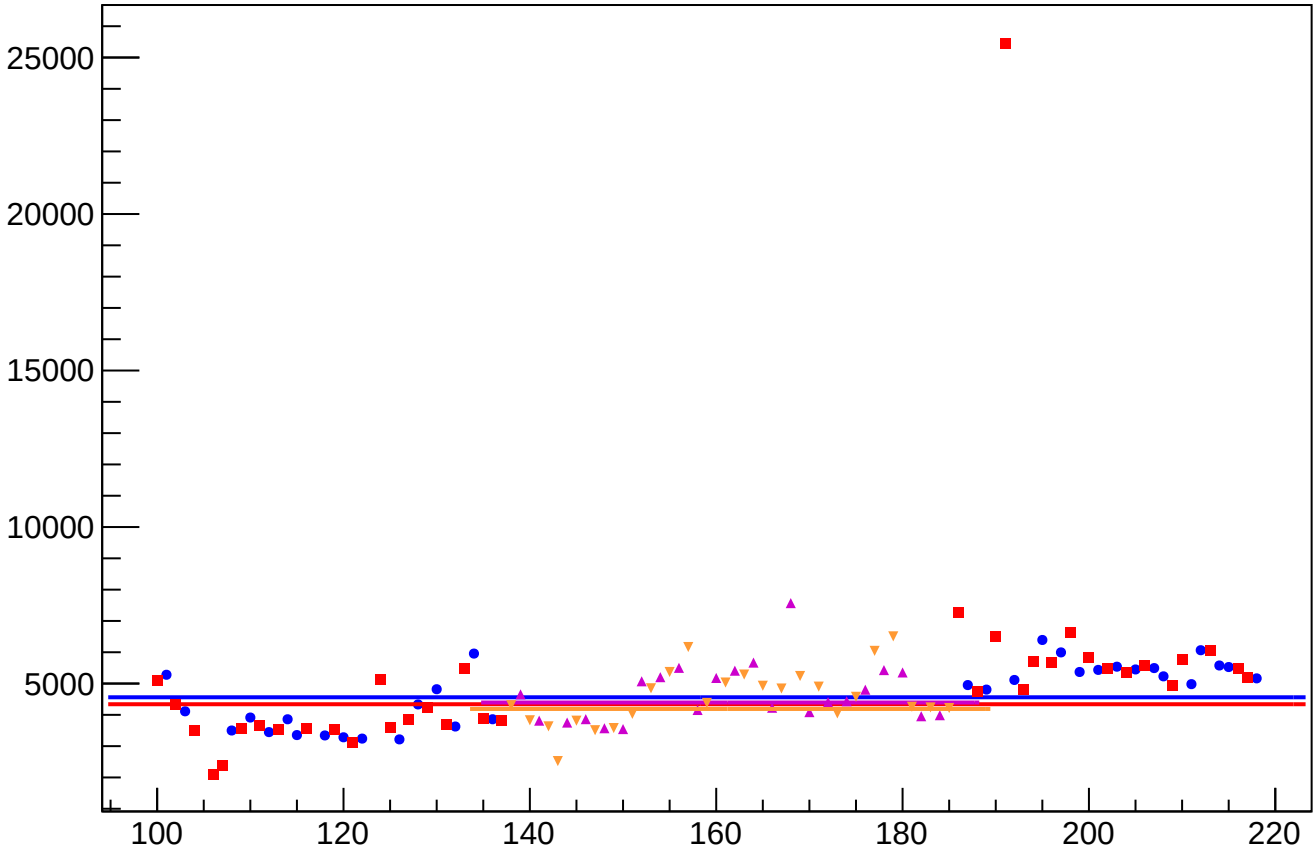
Left In: 497.522+/-1044.707 χ^2/NDF:13.9/22

+ sign 225.111+/-713.298 χ^2/NDF: 71.1/56

All: 290.494+/-508.611 χ^2/NDF: 123.7/115

- sign 358.120+/-725.425 χ^2/NDF: 52.6/58

asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 4561.241+/-0.736 χ^2/NDF: 1749932.7/31

Left Out: 4187.848+/-0.693 χ^2/NDF:1796345.9/24

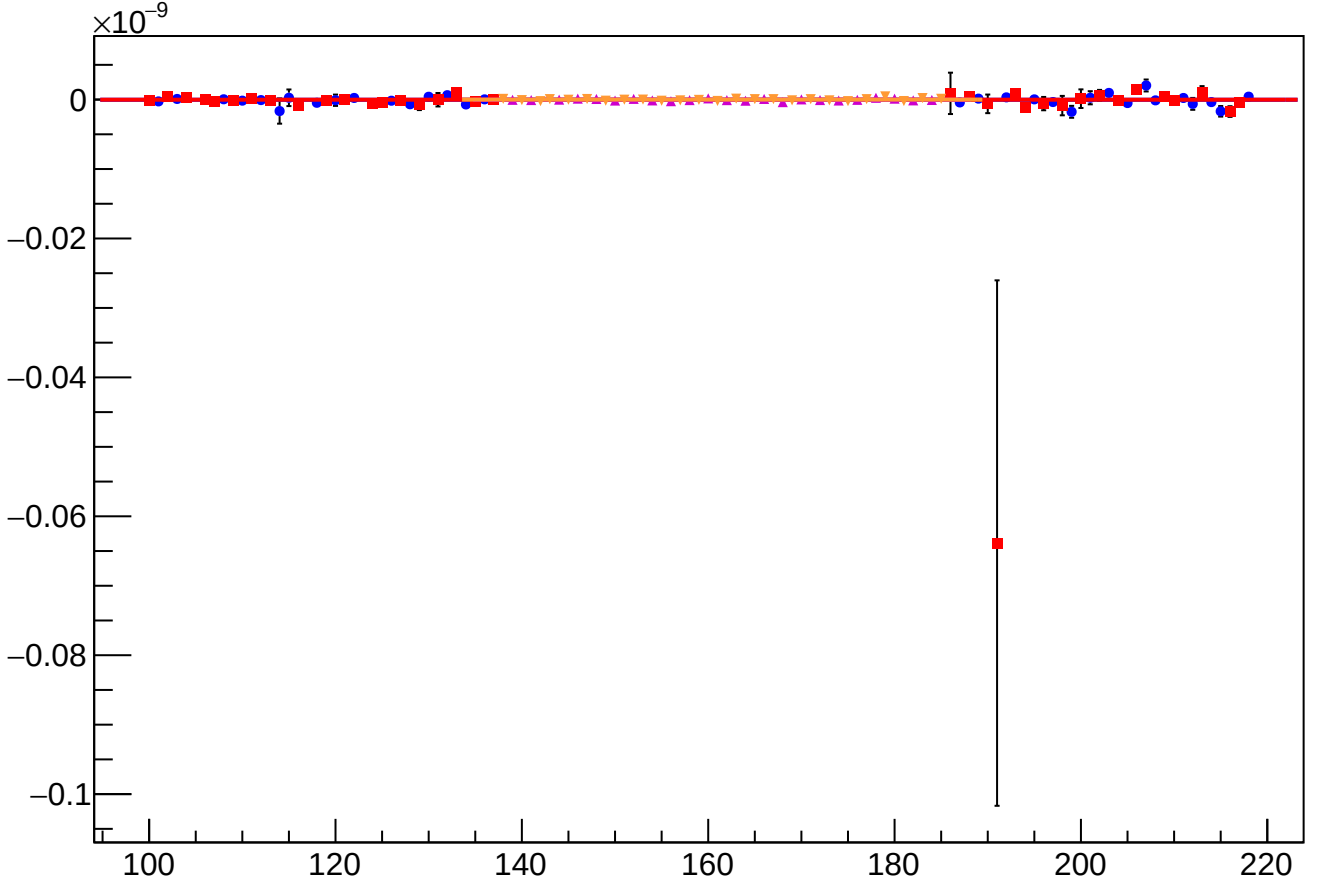
Right Out: 4339.144+/-0.707 χ^2/NDF: 2890722.2/35

Left In: 4394.324+/-0.739 χ^2/NDF:1088394.9/22

+ sign 4363.372+/-0.504 χ^2/NDF: 3682801.1/56

All: 4364.439+/-0.359 χ^2/NDF: 7664838.5/11

- sign 4365.534+/-0.511 χ^2/NDF: 3982028.3/58



Right In: -0.000+/-0.000 χ^2/NDF: 40.8/31

Left Out: -0.000+/-0.000 χ^2/NDF:30.5/24

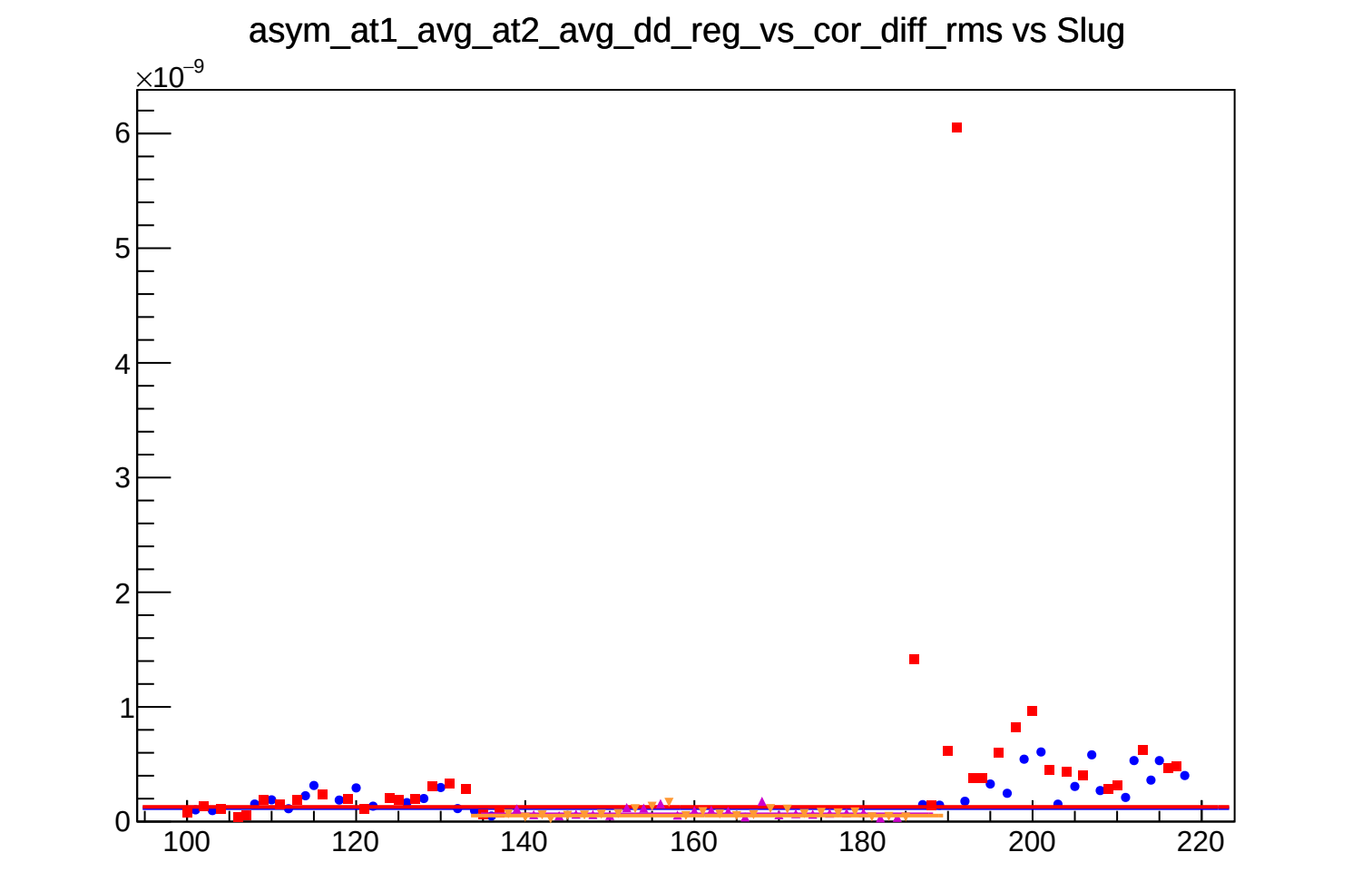
Right Out: -0.000+/-0.000 χ^2/NDF: 40.5/35

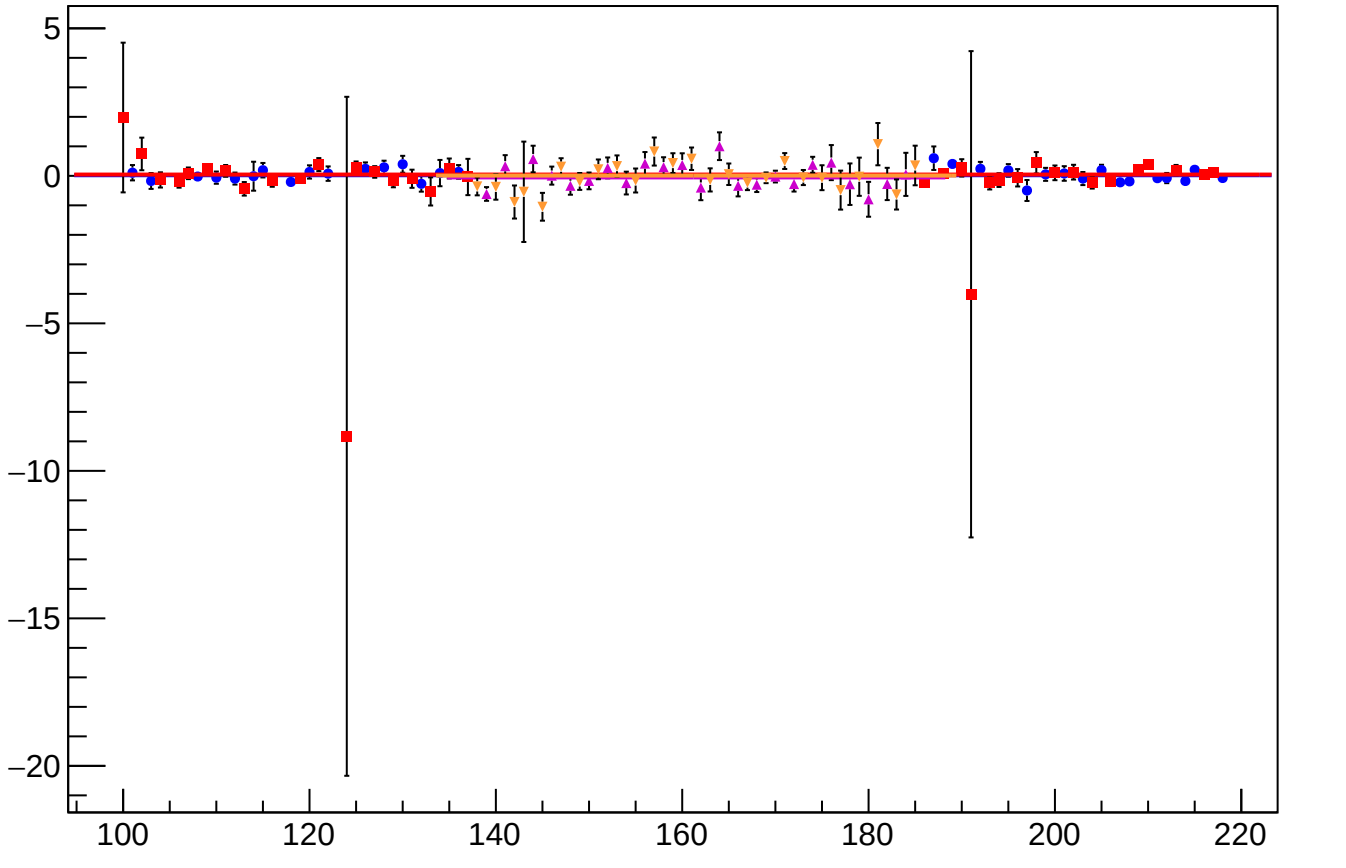
Left In: -0.000+/-0.000 χ^2/NDF:17.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 71.5/56

All: -0.000+/-0.000 χ^2/NDF: 129.2/115

- sign -0.000+/-0.000 χ^2/NDF: 57.5/58


asym_at1_avg_at2_avg_dd_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
6
5
4
3
2
1
0
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 6269298.8/31
Left Out: 0.000+/-0.000 χ²/NDF:2628519.8/24
Right Out: 0.000+/-0.000 χ²/NDF: 8366184.2/35
Left In: 0.000+/-0.000 χ²/NDF:1788279.2/22
+ sign 0.000+/-0.000 χ²/NDF: 11348193.4/56
All: 0.000+/-0.000 χ²/NDF: 23805190.1/115
- sign 0.000+/-0.000 χ²/NDF: 12162726.9/58



Right In: 0.021+/-0.035 χ^2/NDF: 31.8/31

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

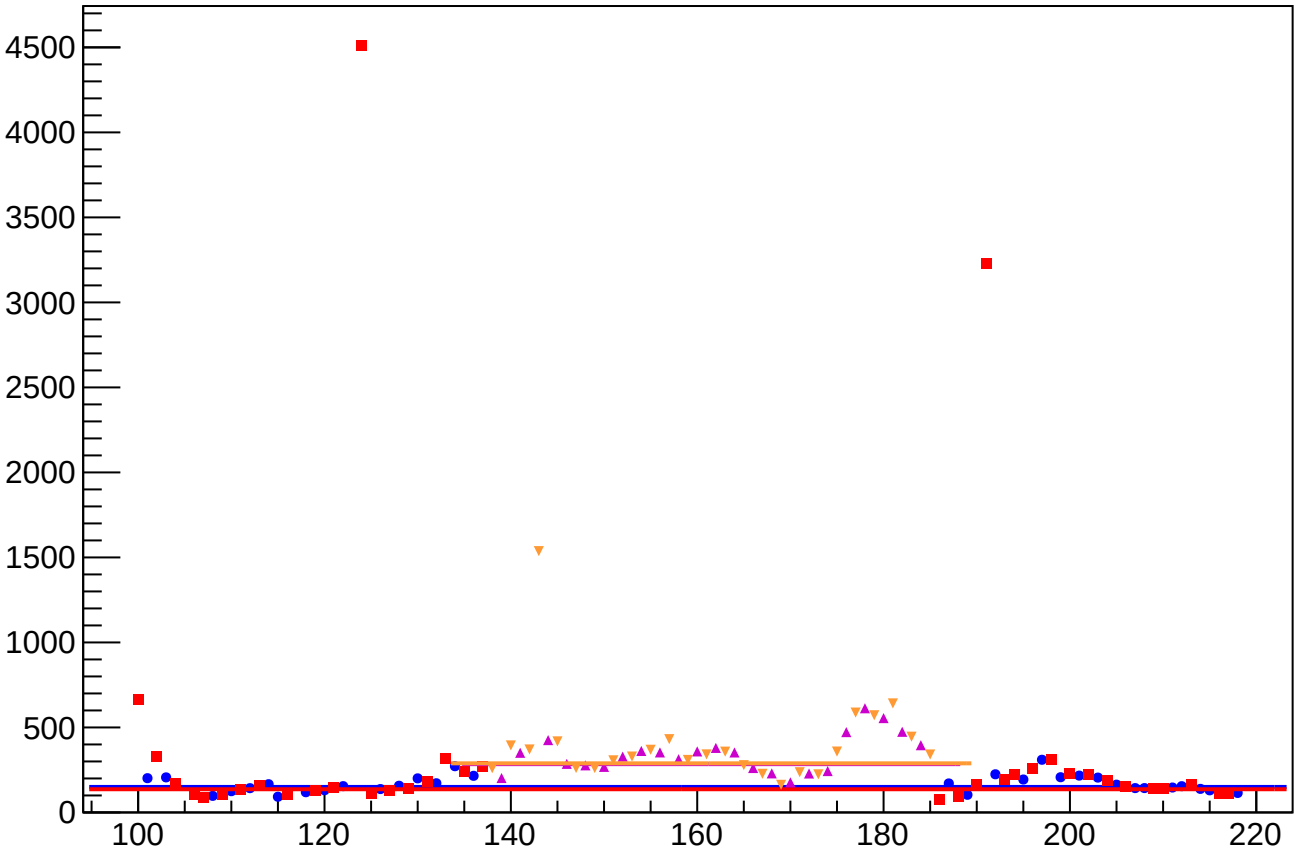
Right Out: 0.044+/-0.033 χ^2/NDF: 41.3/35

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.018+/-0.032 χ^2/NDF: 60.7/56

All: 0.022+/-0.022 χ^2/NDF: 131.4/115

- sign 0.026+/-0.030 χ^2/NDF: 70.6/58



Right In: 150.054+/-0.025 χ^2/NDF: 2533590.7/31

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

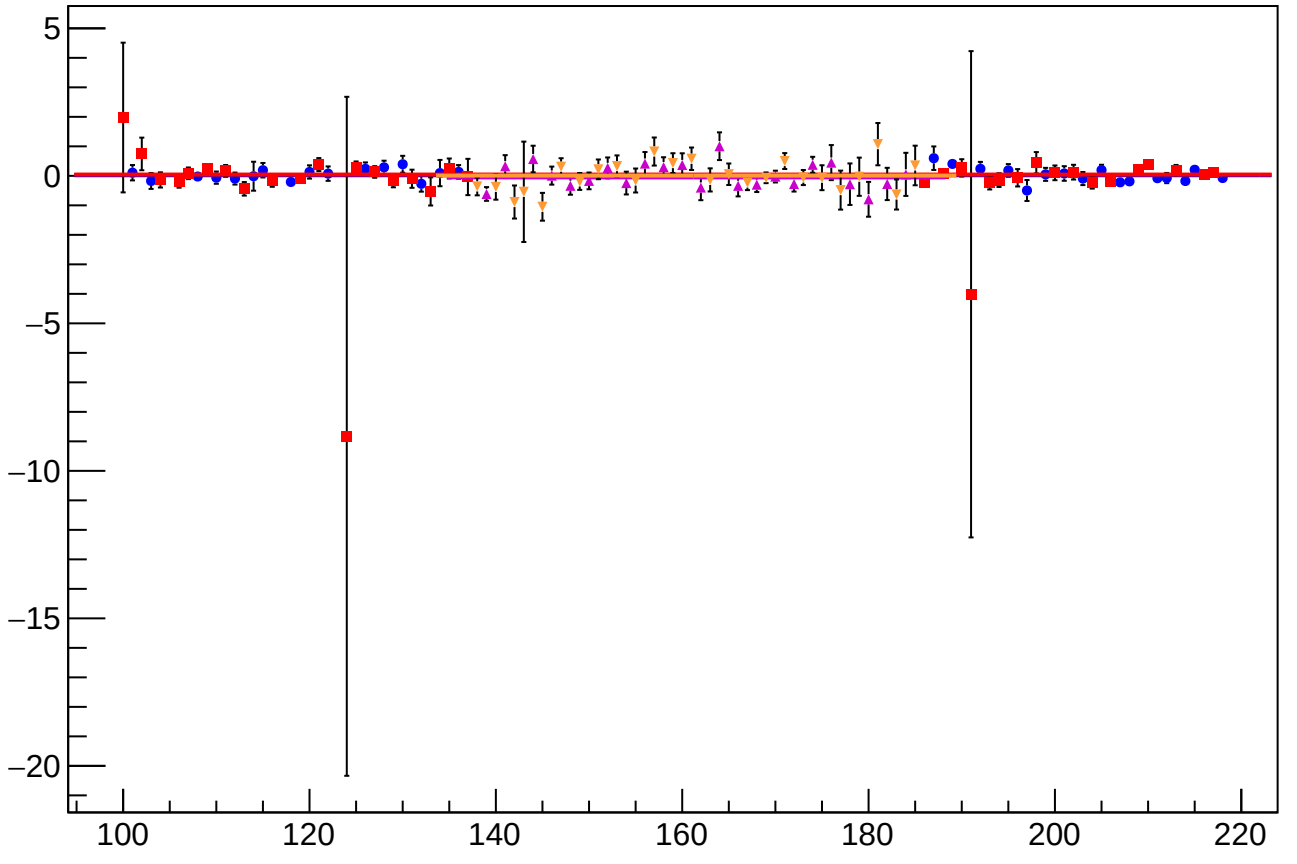
Right Out: 136.564+/-0.023 χ^2/NDF: 4892006.5/35

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

+ sign 177.478+/-0.022 χ^2/NDF: 13318617.6/56

All: 170.058+/-0.015 χ^2/NDF: 28693708.8/11

- sign 163.355+/-0.021 χ^2/NDF: 15164655.9/58



Right In: 0.021+/-0.035 χ^2/NDF: 31.8/31

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

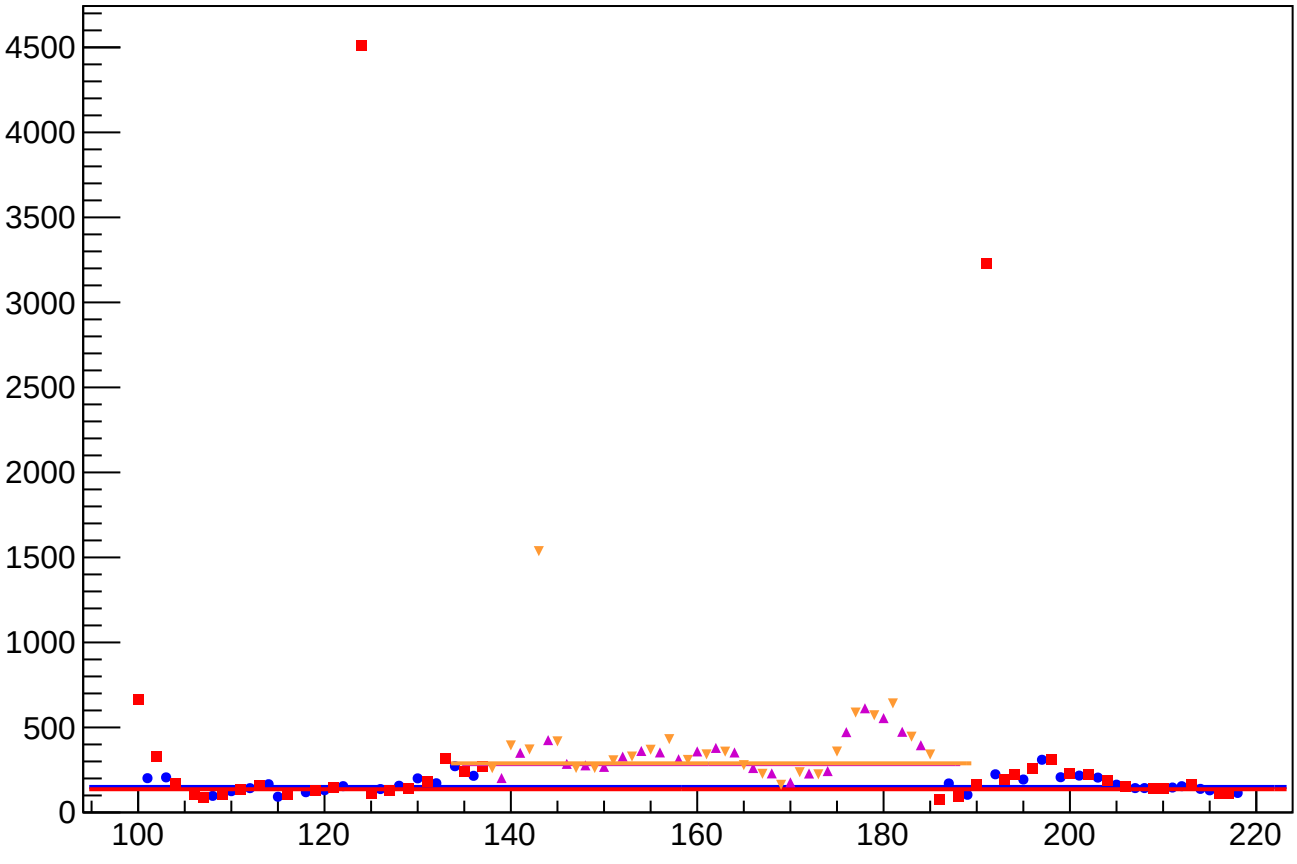
Right Out: 0.044+/-0.033 χ^2/NDF: 41.3/35

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.018+/-0.032 χ^2/NDF: 60.7/56

All: 0.022+/-0.022 χ^2/NDF: 131.4/115

- sign 0.026+/-0.030 χ^2/NDF: 70.6/58



Right In: 150.054+/-0.025 χ^2/NDF: 2533590.7/31

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

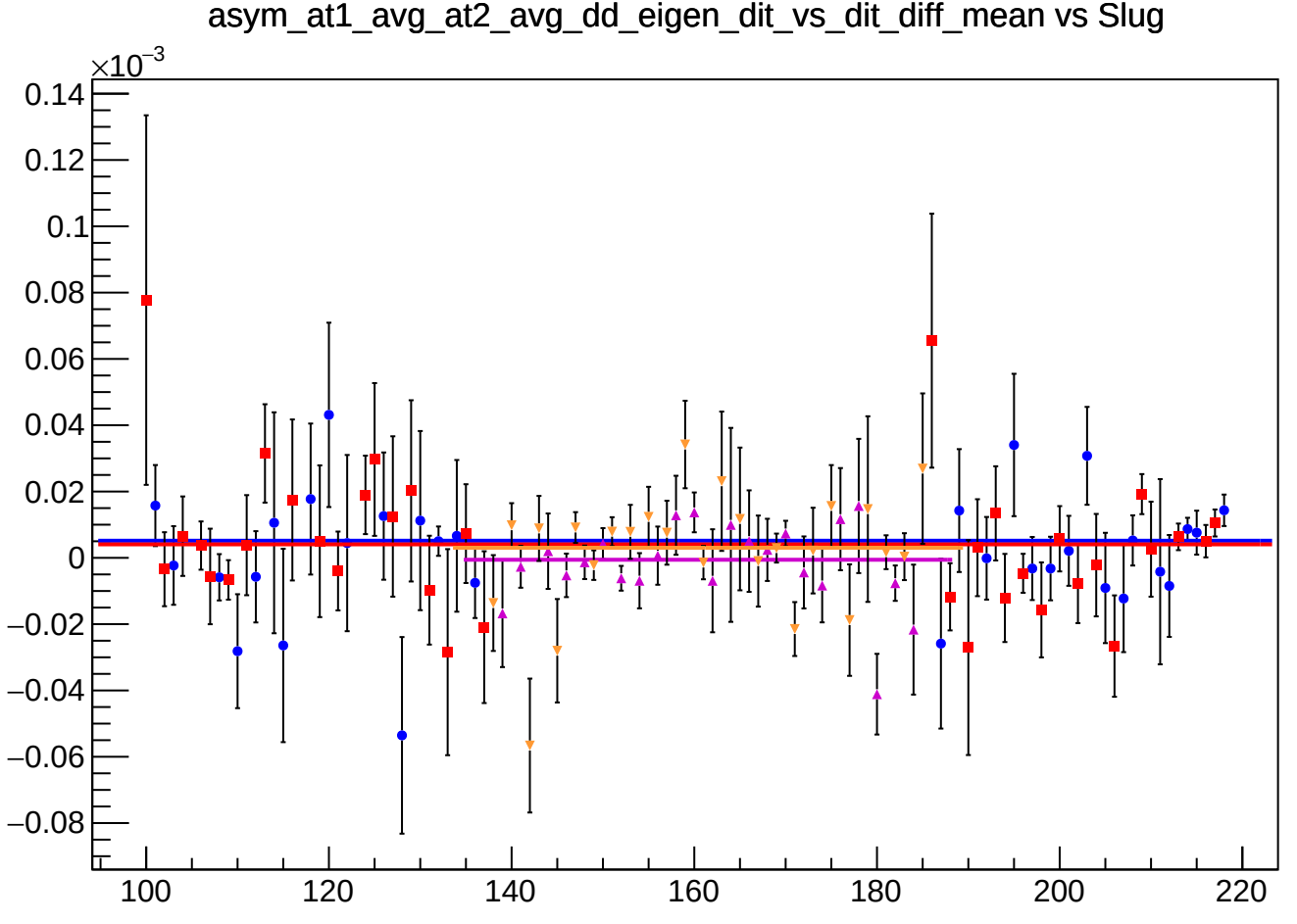
Right Out: 136.564+/-0.023 χ^2/NDF: 4892006.5/35

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

+ sign 177.478+/-0.022 χ^2/NDF: 13318617.6/56

All: 170.058+/-0.015 χ^2/NDF: 28693708.8/11

- sign 163.355+/-0.021 χ^2/NDF: 15164655.9/58



Right In: 0.000+/-0.000 χ^2/NDF: 33.0/31

Left Out: 0.000+/-0.000 χ^2/NDF:42.2/24

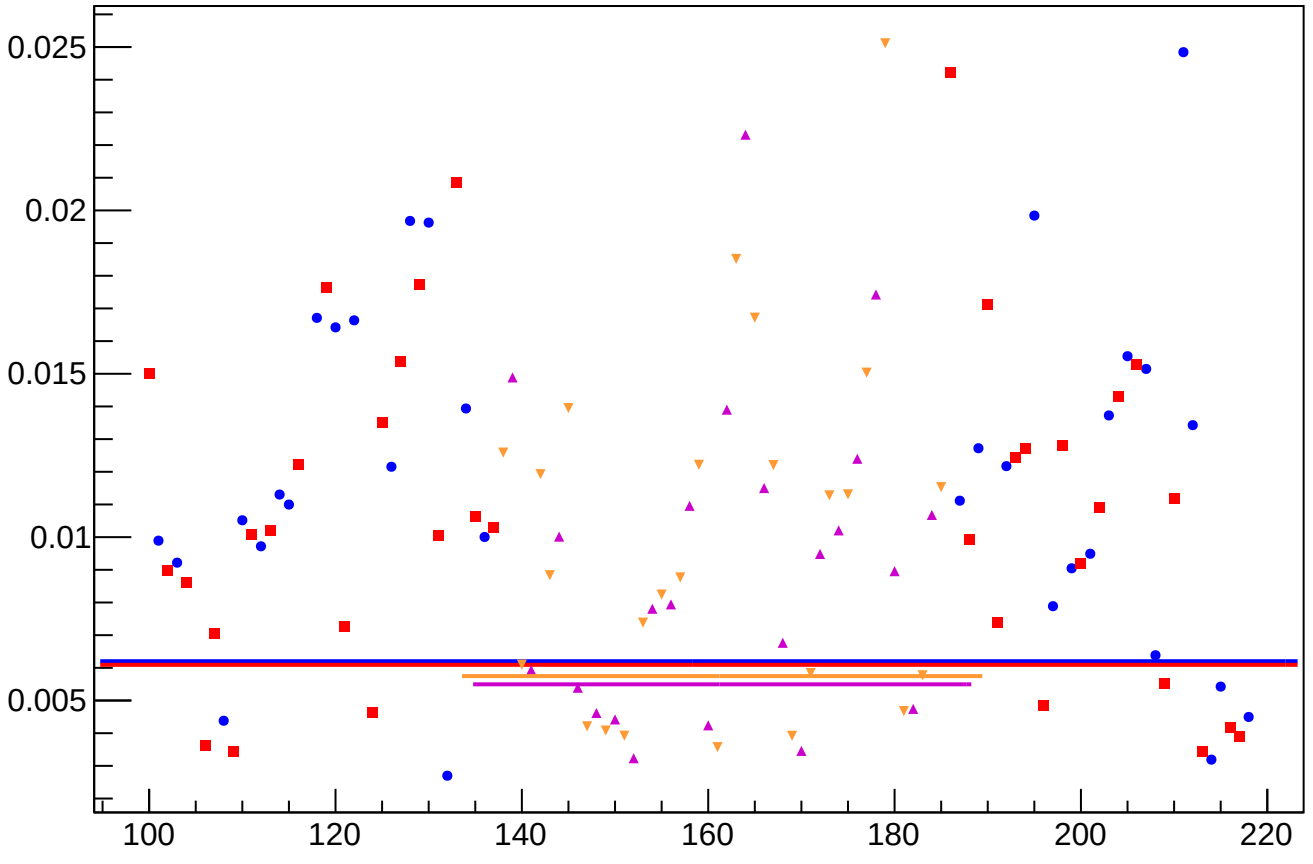
Right Out: 0.000+/-0.000 χ^2/NDF: 42.8/35

Left In: -0.000+/-0.000 χ^2/NDF:33.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 76.1/56

All: 0.000+/-0.000 χ^2/NDF: 158.8/115

- sign 0.000+/-0.000 χ^2/NDF: 80.5/58



Right In: 0.006+/-0.000 χ^2/NDF: 11616529.9/31

Left Out: 0.006+/-0.000 χ^2/NDF:8128513.8/24

Right Out: 0.006+/-0.000 χ^2/NDF: 9846323.4/35

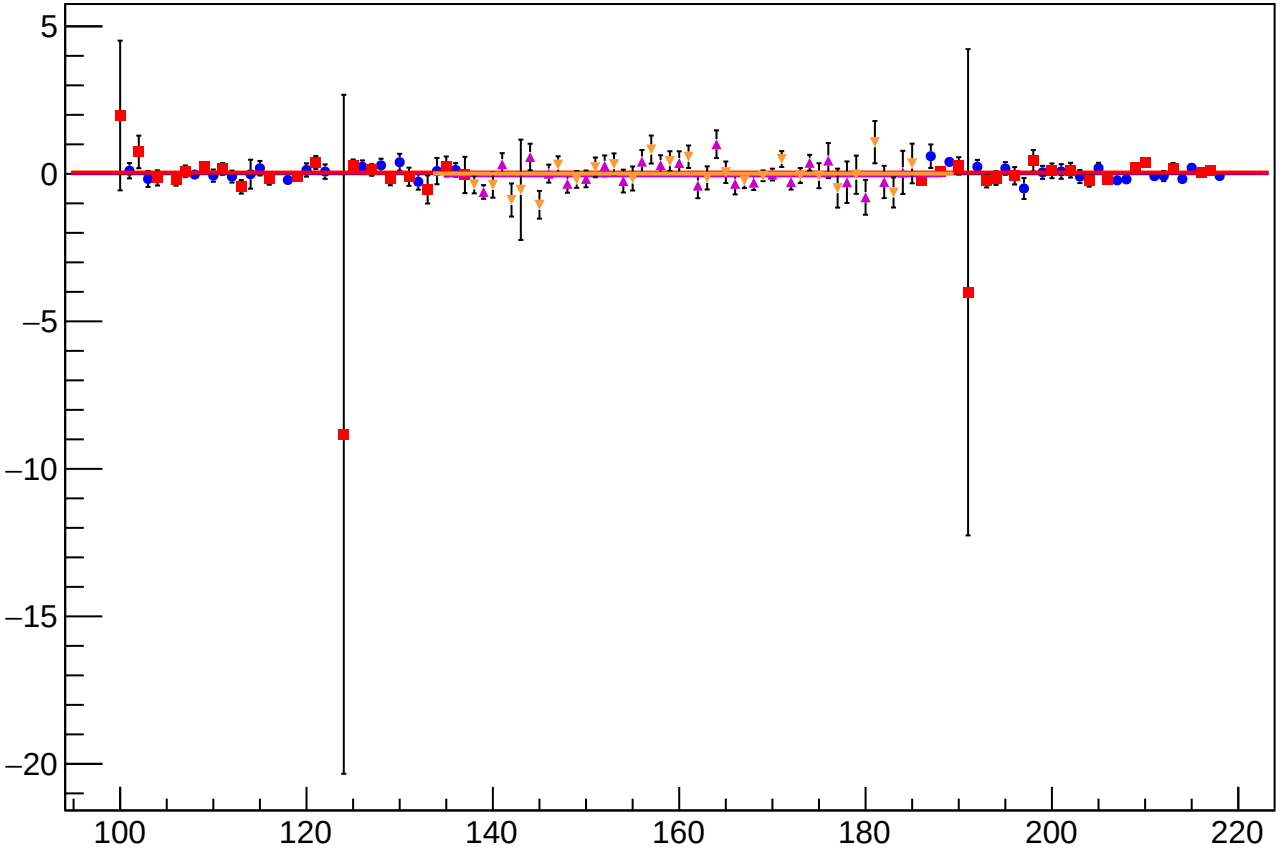
Left In: 0.005+/-0.000 χ^2/NDF:6937299.0/22

\+ sign 0.006+/-0.000 χ^2/NDF: 19825129.1/56

All: 0.006+/-0.000 χ^2/NDF: 36779689.4/115

\- sign 0.006+/-0.000 χ^2/NDF: 16930806.2/58

asym_at1_avg_at2_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.021+/-0.035 χ^2/NDF: 31.8/31

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

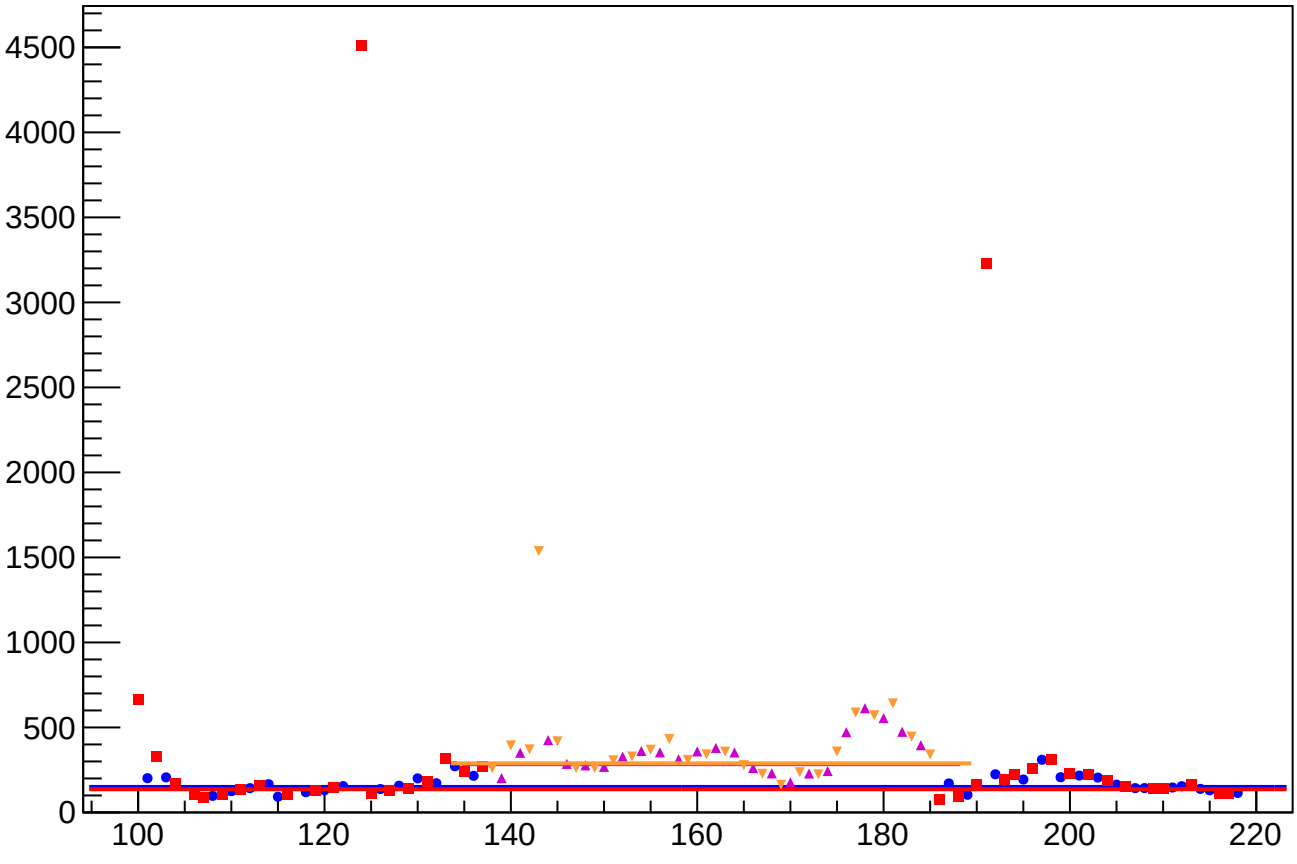
Right Out: 0.044+/-0.033 χ^2/NDF: 41.3/35

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.018+/-0.032 χ^2/NDF: 60.7/56

All: 0.022+/-0.022 χ^2/NDF: 131.4/115

- sign 0.026+/-0.030 χ^2/NDF: 70.6/58



Right In: 150.055+/-0.025 χ^2/NDF: 2533574.0/31

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

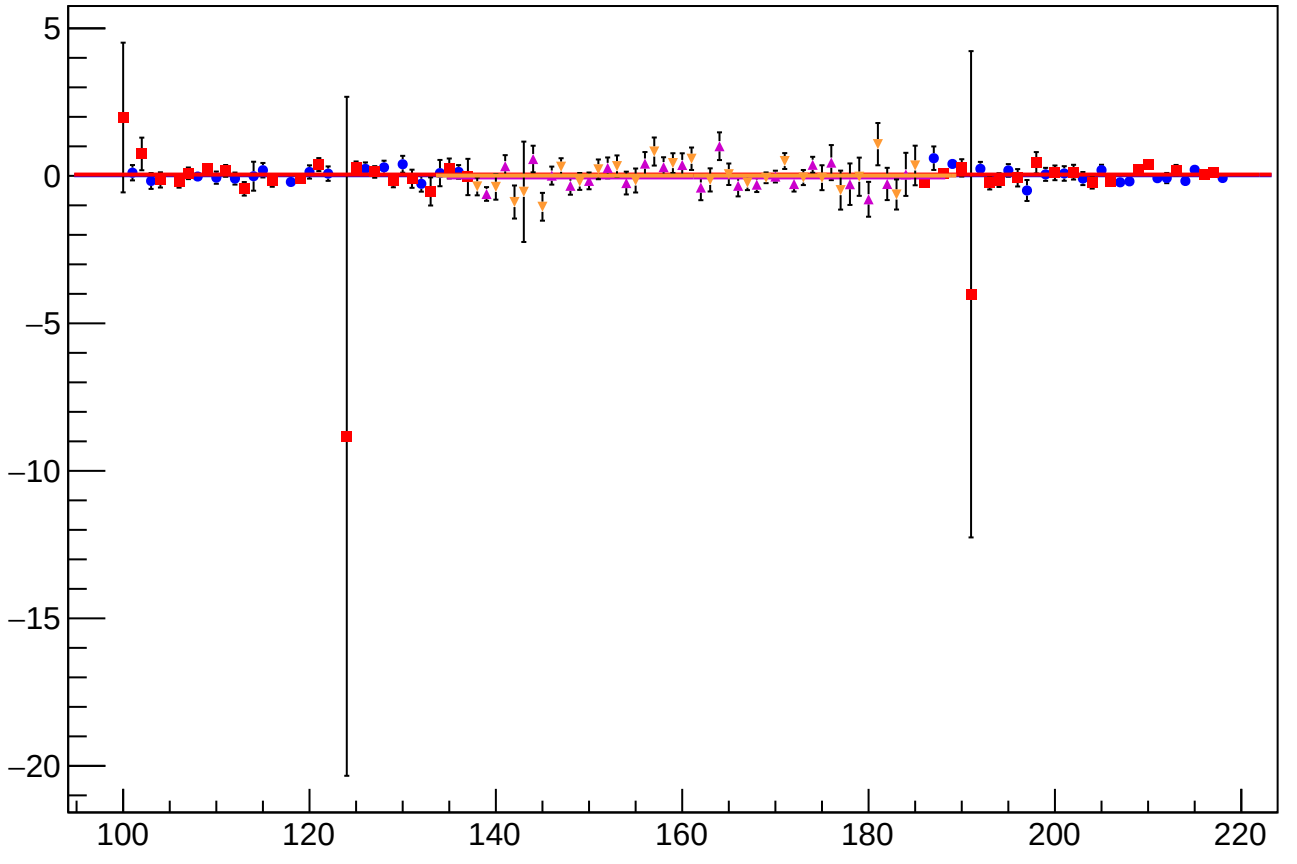
Right Out: 136.566+/-0.023 χ^2/NDF: 4891847.9/35

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

+ sign 177.479+/-0.022 χ^2/NDF: 13318720.8/56

All: 170.059+/-0.015 χ^2/NDF: 28693613.1/11

- sign 163.357+/-0.021 χ^2/NDF: 15164494.4/58



Right In: 0.021+/-0.035 χ^2/NDF: 31.8/31

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

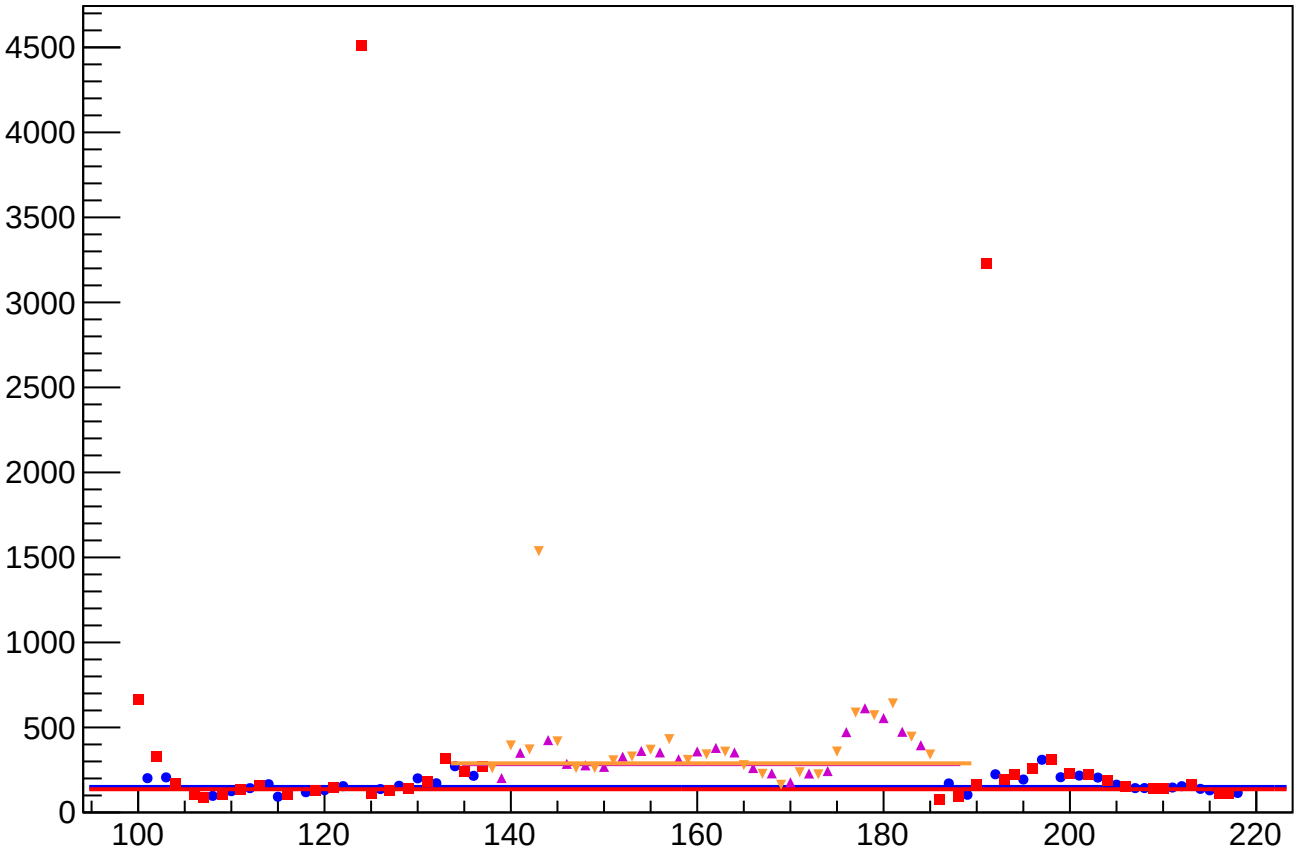
Right Out: 0.044+/-0.033 χ^2/NDF: 41.3/35

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

\+ sign 0.018+/-0.032 χ^2/NDF: 60.7/56

All: 0.022+/-0.022 χ^2/NDF: 131.4/115

\- sign 0.026+/-0.030 χ^2/NDF: 70.6/58



Right In: 150.055+/-0.025 χ^2/NDF: 2533574.0/31

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

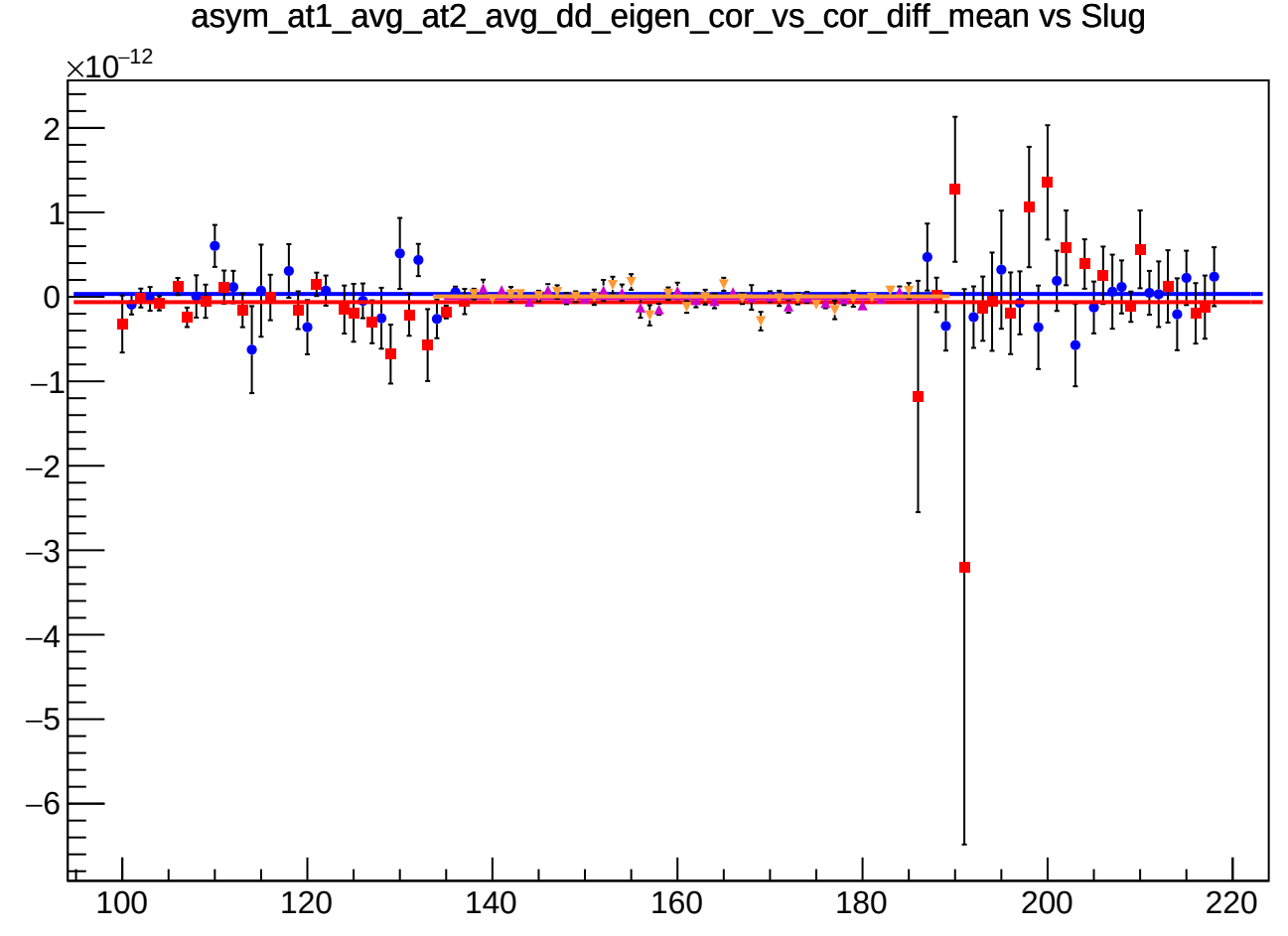
Right Out: 136.566+/-0.023 χ^2/NDF: 4891847.9/35

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

+ sign 177.479+/-0.022 χ^2/NDF: 13318720.8/56

All: 170.059+/-0.015 χ^2/NDF: 28693613.1/11

- sign 163.357+/-0.021 χ^2/NDF: 15164494.4/58



Right In: 0.000+/-0.000 χ^2/NDF: 26.5/31

Left Out: 0.000+/-0.000 χ^2/NDF:34.1/24

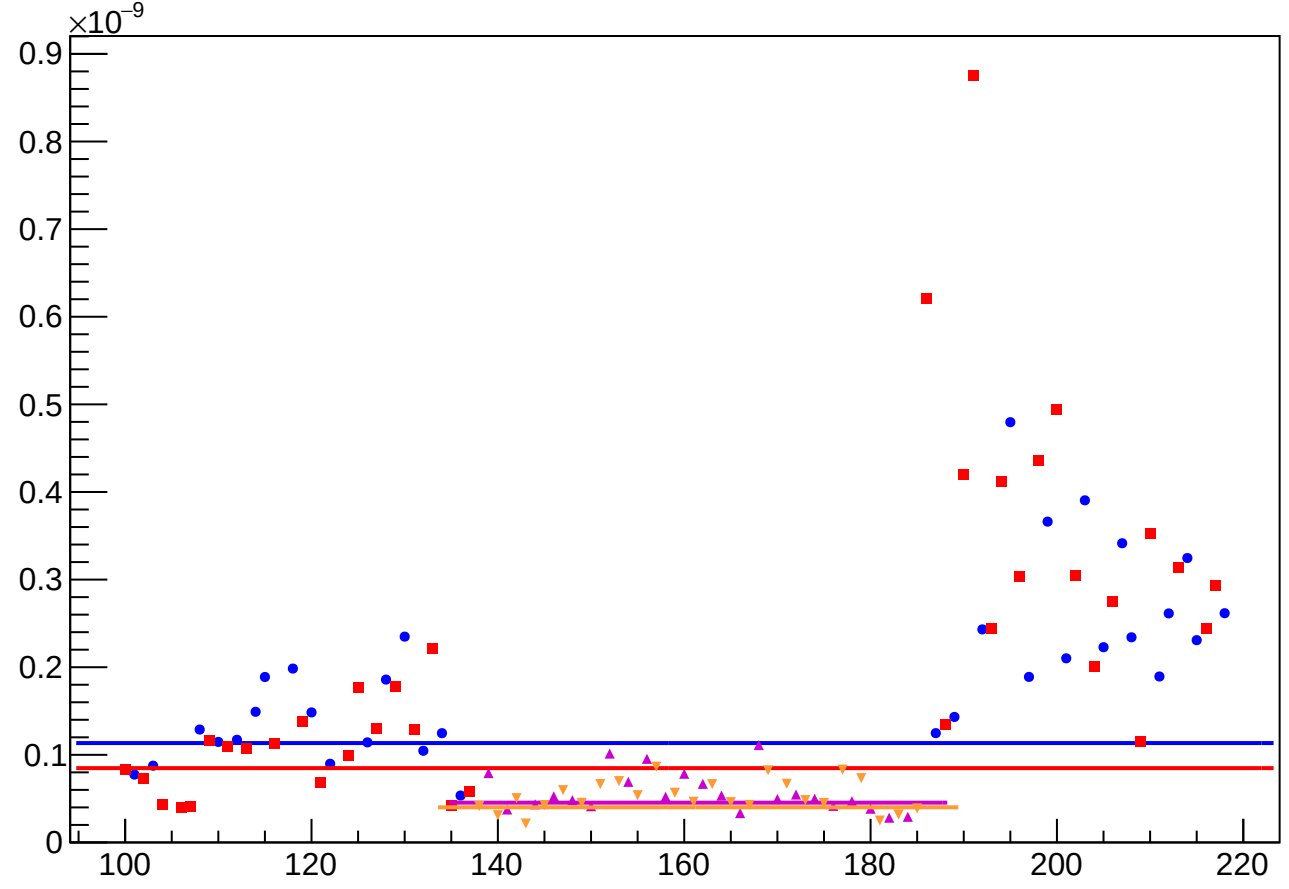
Right Out: -0.000+/-0.000 χ^2/NDF: 37.5/35

Left In: -0.000+/-0.000 χ^2/NDF:23.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 61.1/56

All: -0.000+/-0.000 χ^2/NDF: 126.8/115

- sign -0.000+/-0.000 χ^2/NDF: 62.6/58



Right In: 0.000+/-0.000 χ^2/NDF: 7264038.6/31

Left Out: 0.000+/-0.000 χ^2/NDF:3609934.1/24

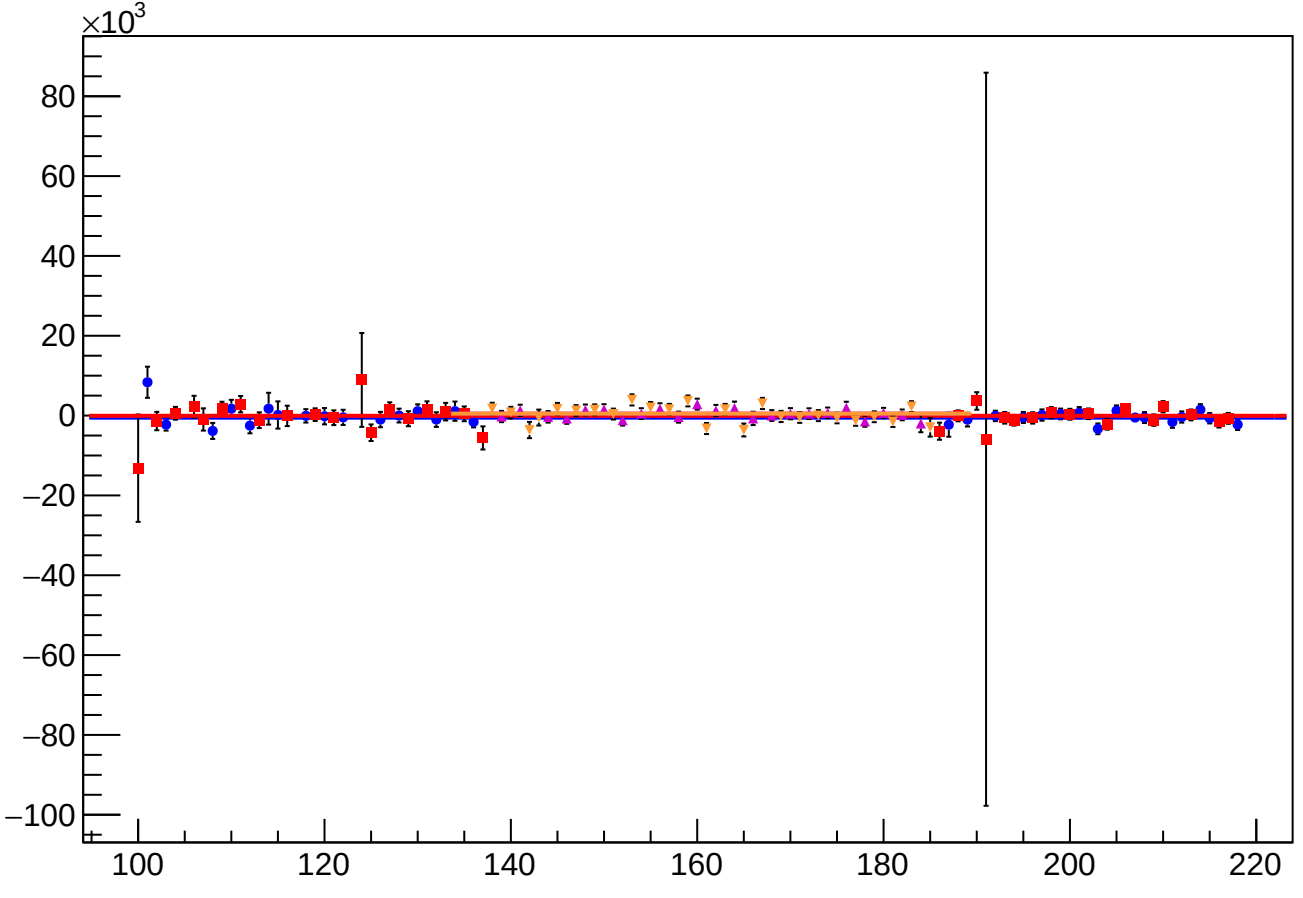
Right Out: 0.000+/-0.000 χ^2/NDF: 10027189.5/35

Left In: 0.000+/-0.000 χ^2/NDF:2780344.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 17416399.3/56

All: 0.000+/-0.000 χ^2/NDF: 32947237.8/115

- sign 0.000+/-0.000 χ^2/NDF: 15382601.8/58



Right In: -518.956+/-286.661 χ^2/NDF: 26.2/31

Left Out: 492.062+/-288.495 χ^2/NDF:46.9/24

Right Out: -49.443+/-288.010 χ^2/NDF: 32.5/35

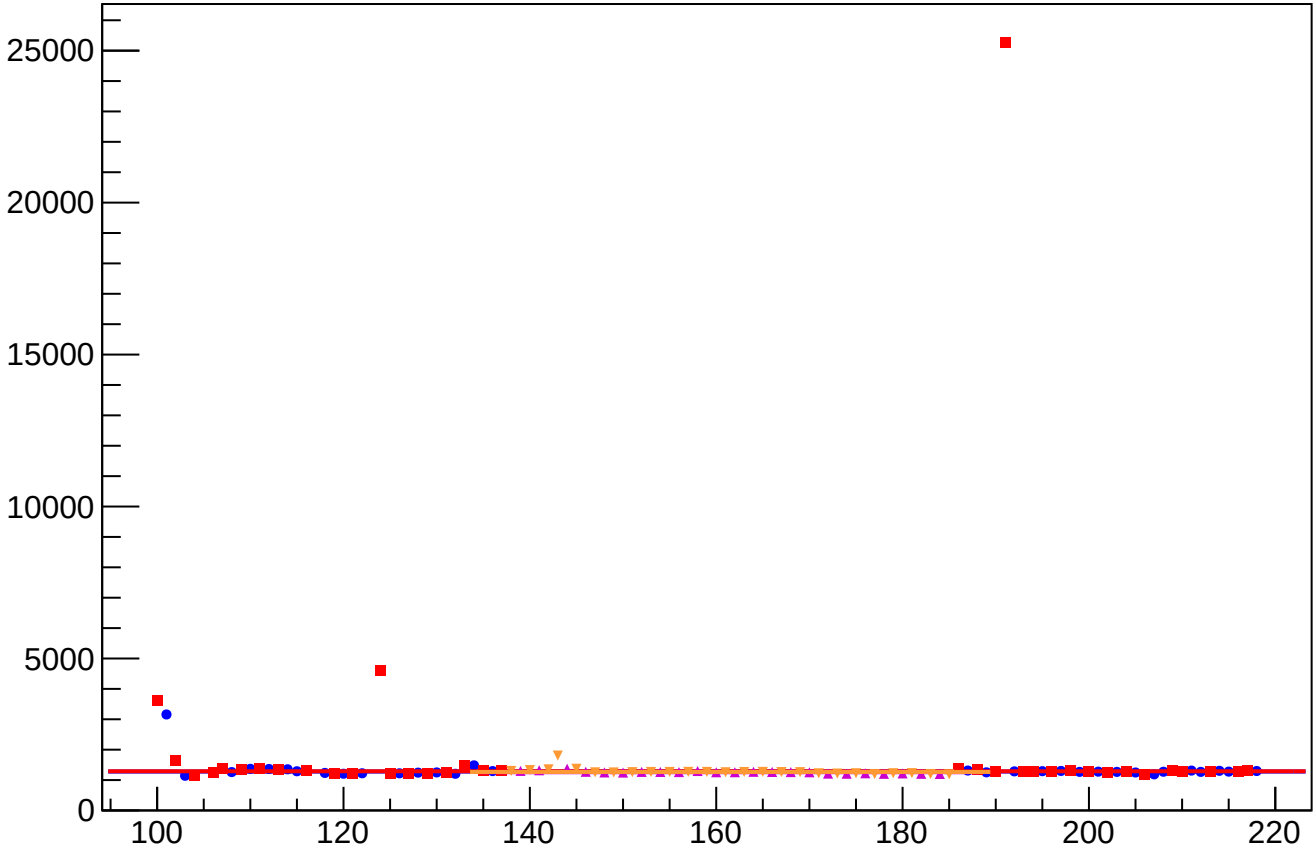
Left In: 486.821+/-293.769 χ^2/NDF:14.4/22

+ sign -16.670+/-203.345 χ^2/NDF: 79.3/56

All: 97.054+/-144.598 χ^2/NDF: 128.5/115

- sign 213.382+/-205.660 χ^2/NDF: 48.6/58

reg_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 1279.520+/-0.203 χ^2/NDF: 530618.1/31

Left Out: 1266.967+/-0.204 χ^2/NDF:187545.6/24

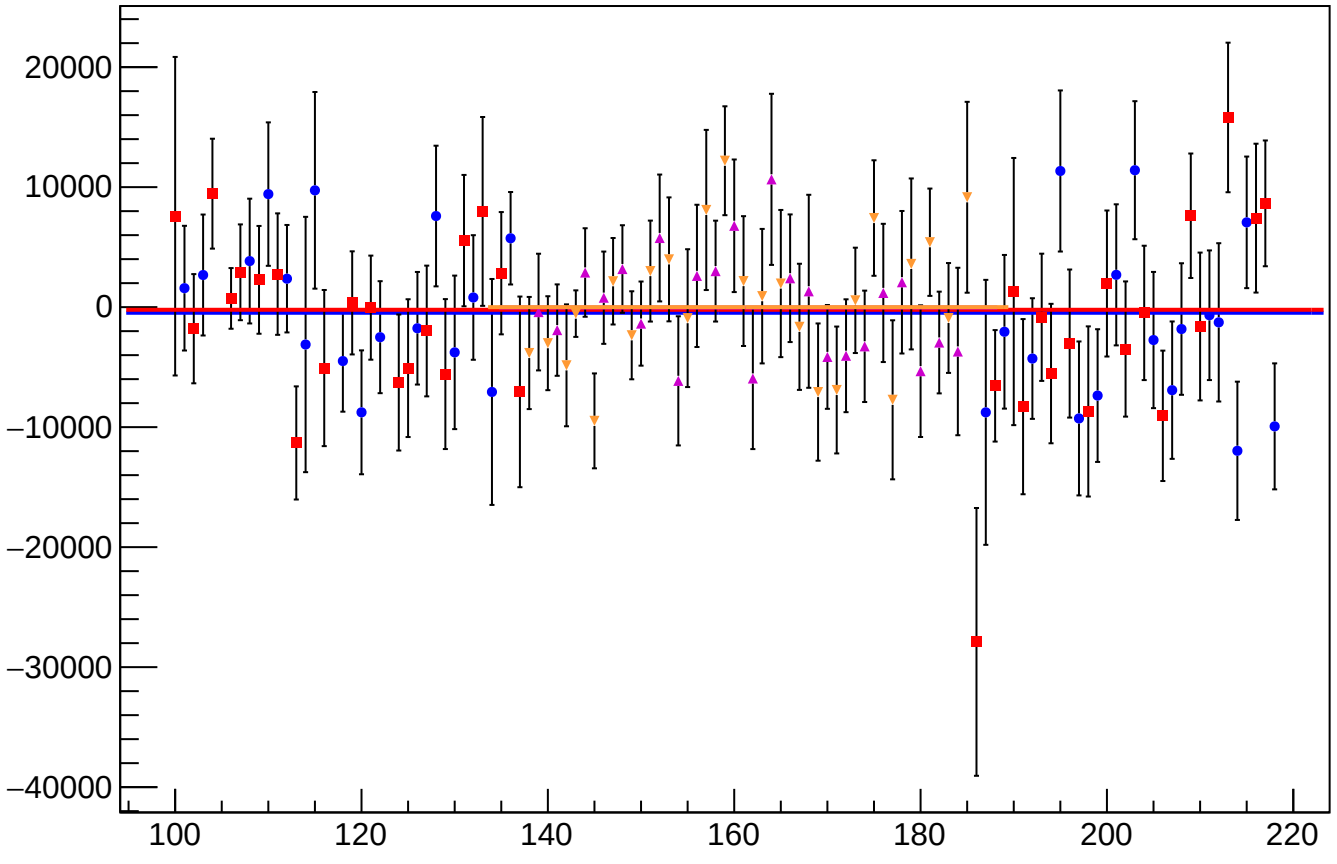
Right Out: 1289.146+/-0.203 χ^2/NDF: 483324.7/35

Left In: 1257.551+/-0.208 χ^2/NDF:36816.4/22

+ sign 1273.284+/-0.144 χ^2/NDF: 720068.9/56

All: 1273.478+/-0.102 χ^2/NDF: 1252019.9/11

- sign 1273.676+/-0.145 χ^2/NDF: 531947.4/58



Right In: -468.160+/-984.534 χ^2/NDF: 38.0/31

Left Out: -0.604+/-886.488 χ^2/NDF:29.1/24

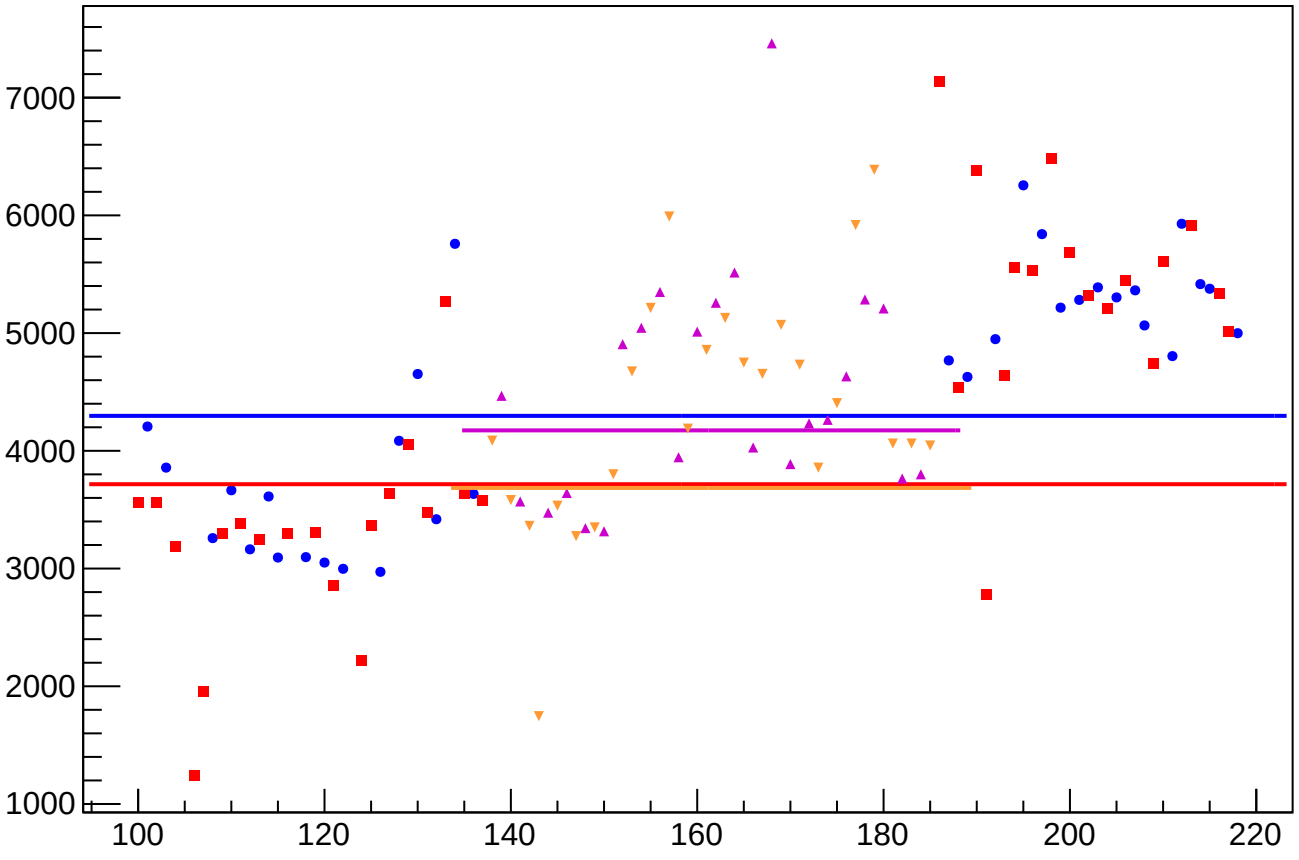
Right Out: -219.445+/-884.354 χ^2/NDF: 46.6/35

Left In: -31.593+/-995.348 χ^2/NDF:14.0/22

+ sign -209.948+/-658.786 χ^2/NDF: 67.2/56

All: -173.390+/-466.650 χ^2/NDF: 127.9/115

- sign -136.573+/-661.106 χ^2/NDF: 60.7/58



Right In: 4297.027+/-0.696 χ^2/NDF: 2076361.0/31

Left Out: 3684.769+/-0.627 χ^2/NDF:3693646.6/24

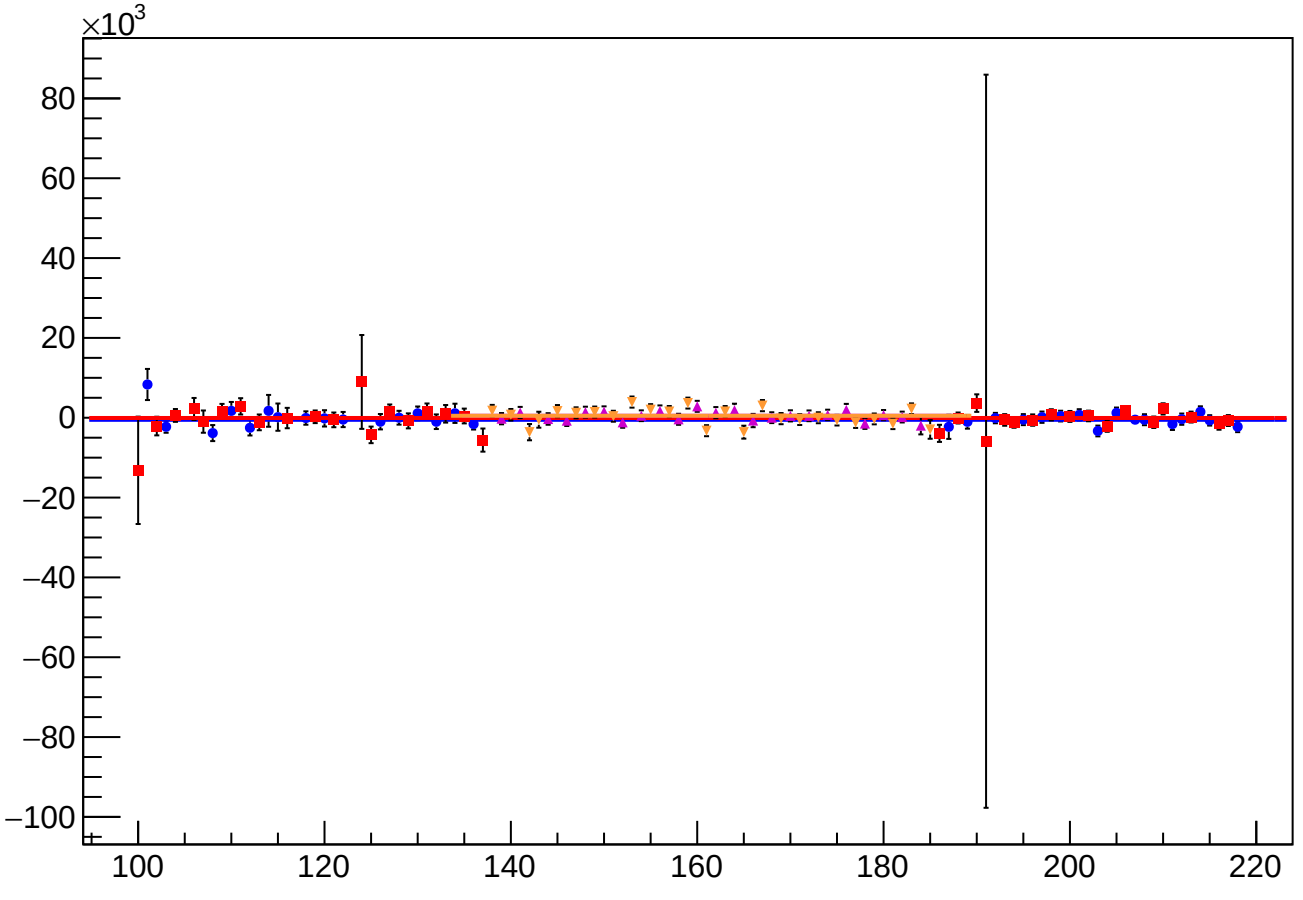
Right Out: 3716.449+/-0.625 χ^2/NDF: 5350706.1/35

Left In: 4173.556+/-0.704 χ^2/NDF:1274968.4/22

+ sign 3958.902+/-0.466 χ^2/NDF: 6197158.3/56

All: 3938.575+/-0.330 χ^2/NDF: 13062379.5/1

- sign 3918.105+/-0.467 χ^2/NDF: 6861399.6/58



Right In: -519.082+/-286.661 χ^2/NDF: 26.2/31

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: -59.595+/-288.077 χ^2/NDF: 32.9/35

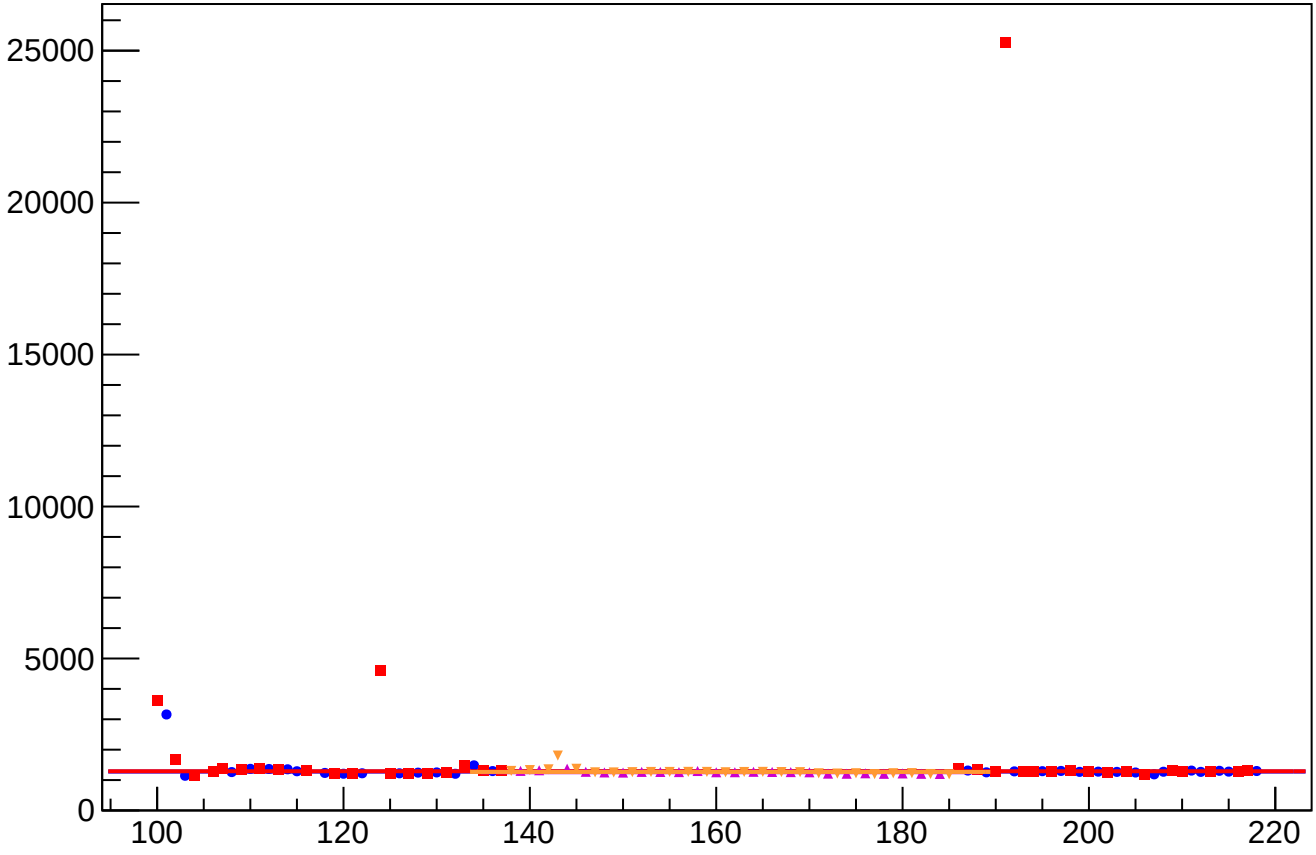
Left In: 486.720+/-293.769 χ^2/NDF:14.4/22

+ sign -16.725+/-203.345 χ^2/NDF: 79.2/56

All: 94.461+/-144.607 χ^2/NDF: 128.9/115

- sign 208.219+/-205.684 χ^2/NDF: 49.1/58

cor_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 1279.520+/-0.203 χ^2/NDF: 530619.5/31

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

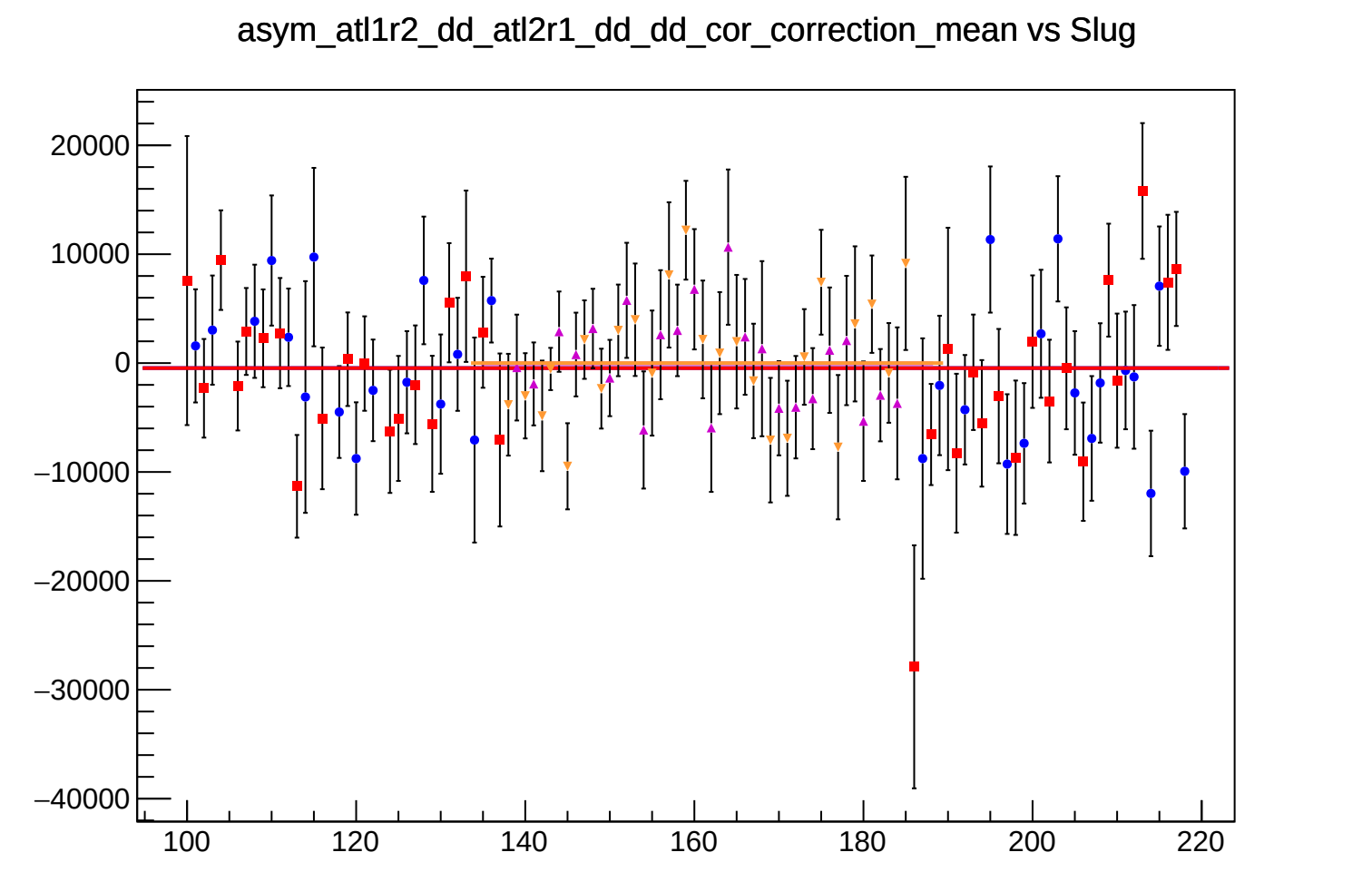
Right Out: 1289.845+/-0.204 χ^2/NDF: 490203.2/35

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

+ sign 1273.284+/-0.144 χ^2/NDF: 720070.2/56

All: 1273.650+/-0.102 χ^2/NDF: 1259431.3/11

- sign 1274.024+/-0.145 χ^2/NDF: 539347.9/58



Right In: -453.478+/-984.347 χ^2/NDF: 38.1/31

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

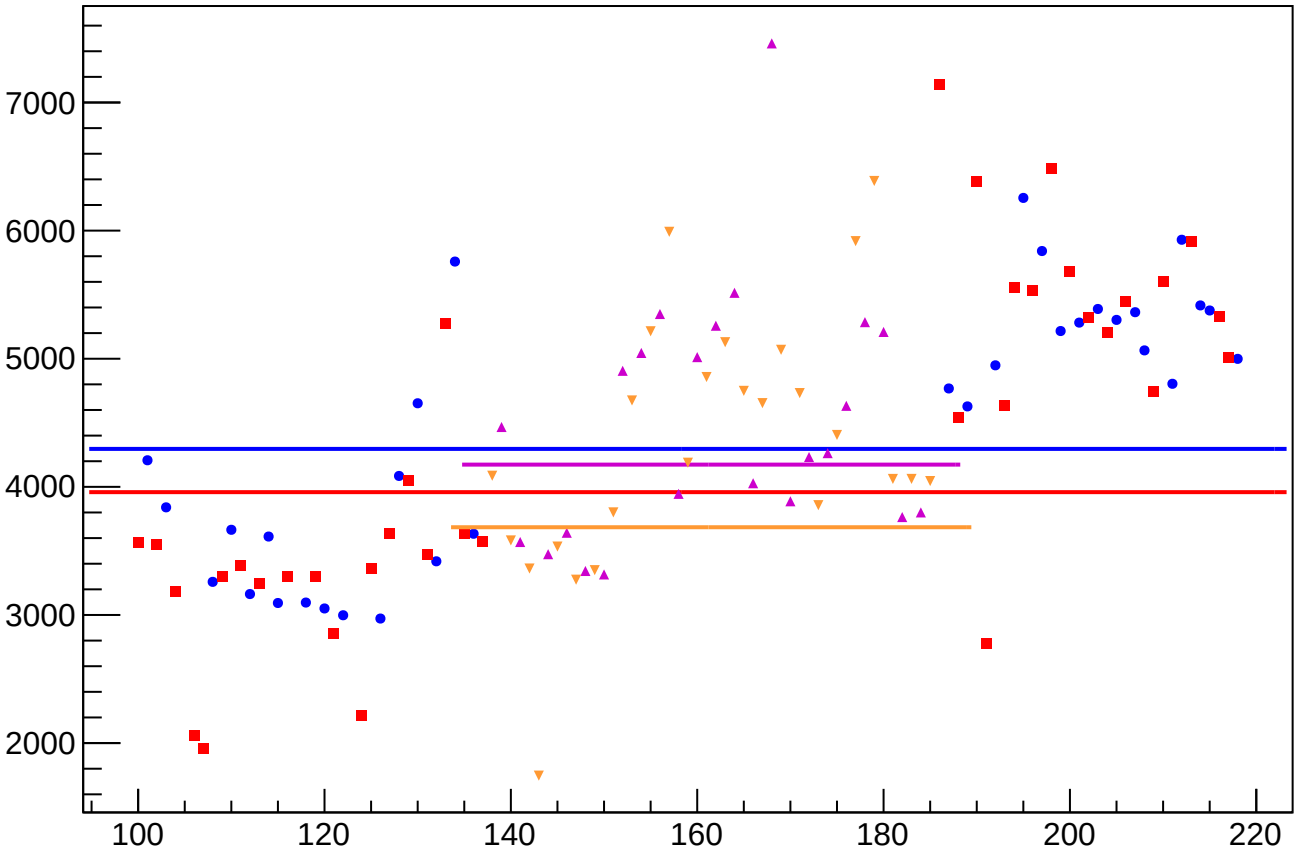
Right Out: -461.451+/-919.430 χ^2/NDF: 46.7/35

Left In: -31.597+/-995.347 χ^2/NDF:14.0/22

+ sign -203.382+/-658.729 χ^2/NDF: 67.2/56

All: -232.710+/-471.569 χ^2/NDF: 128.1/115

- sign -263.540+/-675.381 χ^2/NDF: 60.9/58



Right In: 4296.223+/-0.696 χ^2/NDF: 2077743.5/31

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

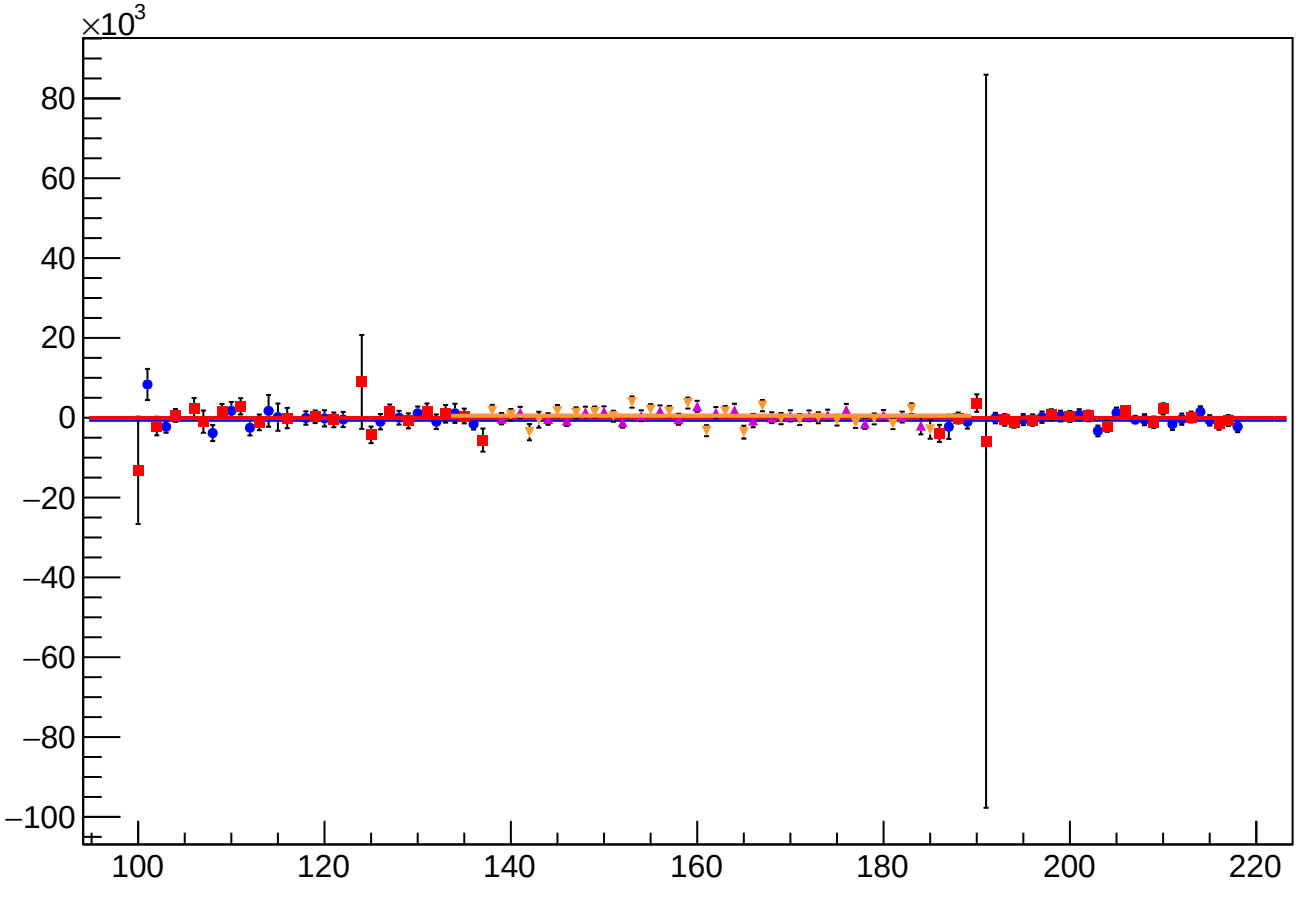
Right Out: 3958.638+/-0.650 χ^2/NDF: 3627021.3/35

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

+ sign 3958.595+/-0.466 χ^2/NDF: 6197559.1/56

All: 4006.855+/-0.333 χ^2/NDF: 11171878.2/1

- sign 4057.586+/-0.478 χ^2/NDF: 4952299.9/58



Right In: -519.082+/-286.661 χ^2/NDF: 26.2/31

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

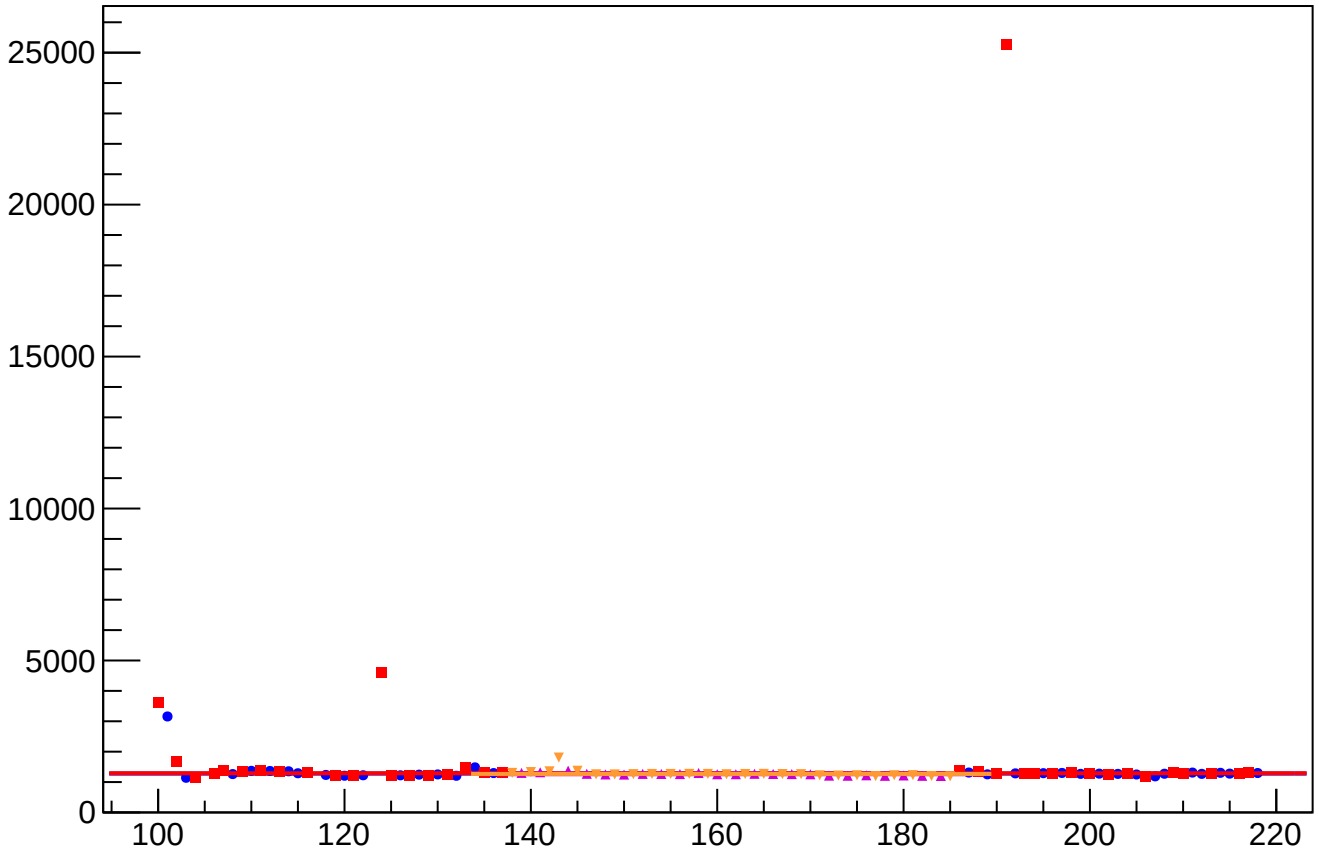
Right Out: -59.595+/-288.077 χ^2/NDF: 32.9/35

Left In: 486.720+/-293.769 χ^2/NDF:14.4/22

+ sign -16.725+/-203.345 χ^2/NDF: 79.2/56

All: 94.461+/-144.607 χ^2/NDF: 128.9/115

- sign 208.219+/-205.684 χ^2/NDF: 49.1/58



Right In: 1279.520+/-0.203 χ^2/NDF: 530619.5/31

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

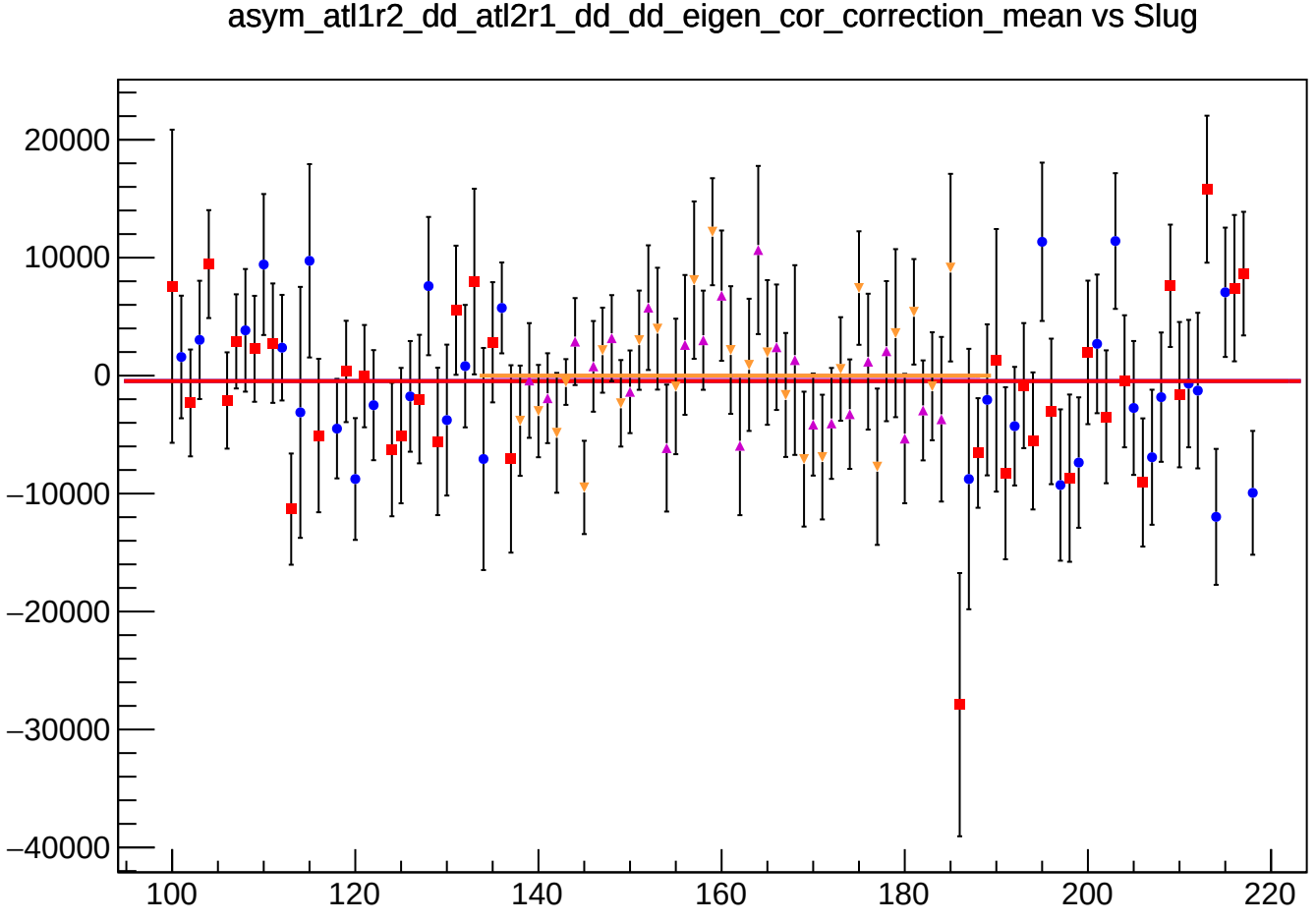
Right Out: 1289.845+/-0.204 χ^2/NDF: 490203.2/35

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

+ sign 1273.284+/-0.144 χ^2/NDF: 720070.2/56

All: 1273.650+/-0.102 χ^2/NDF: 1259431.3/11

- sign 1274.024+/-0.145 χ^2/NDF: 539347.9/58



Right In: -453.478+/-984.347 χ^2/NDF: 38.1/31

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

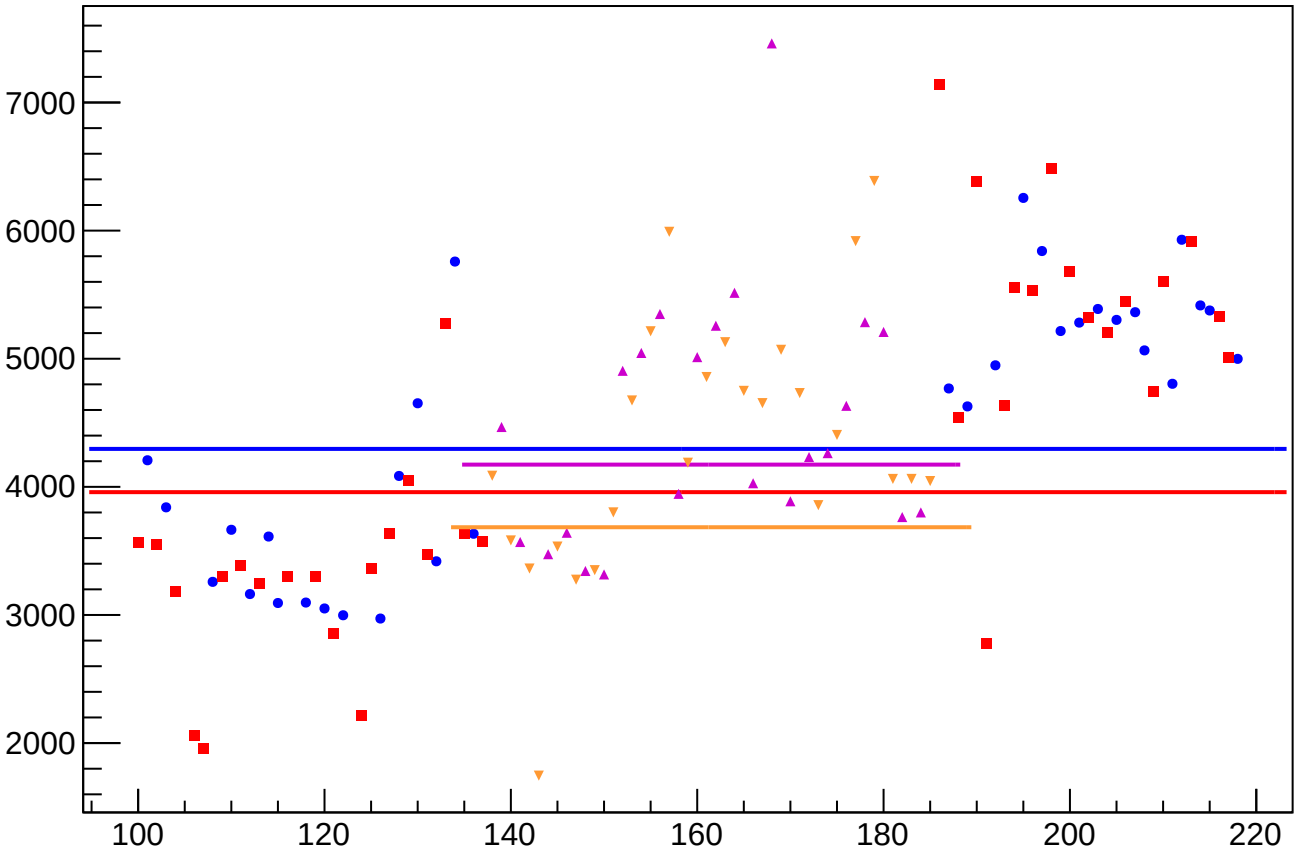
Right Out: -461.451+/-919.430 χ^2/NDF: 46.7/35

Left In: -31.597+/-995.347 χ^2/NDF:14.0/22

+ sign -203.382+/-658.729 χ^2/NDF: 67.2/56

All: -232.710+/-471.569 χ^2/NDF: 128.1/115

- sign -263.540+/-675.381 χ^2/NDF: 60.9/58



Right In: 4296.223+/-0.696 χ^2/NDF: 2077743.5/31

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

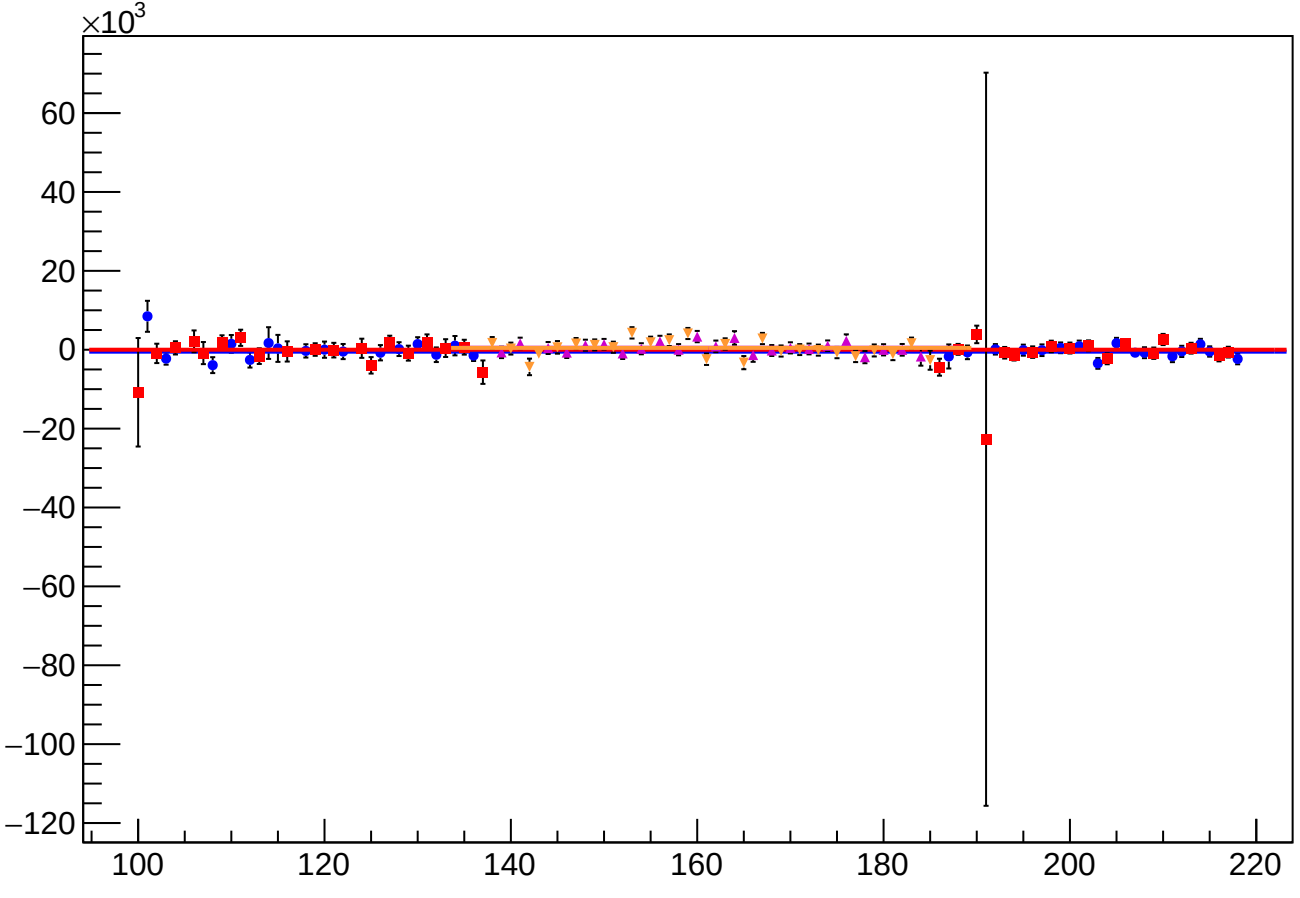
Right Out: 3958.638+/-0.650 χ^2/NDF: 3627021.3/35

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

\+ sign 3958.595+/-0.466 χ^2/NDF: 6197559.1/56

All: 4006.855+/-0.333 χ^2/NDF: 11171878.2/1

\- sign 4057.586+/-0.478 χ^2/NDF: 4952299.9/58



Right In: -490.252+/-290.193 χ^2/NDF: 27.5/31

Left Out: 467.929+/-294.257 χ^2/NDF:44.1/24

Right Out: 2.606+/-290.184 χ^2/NDF: 34.0/35

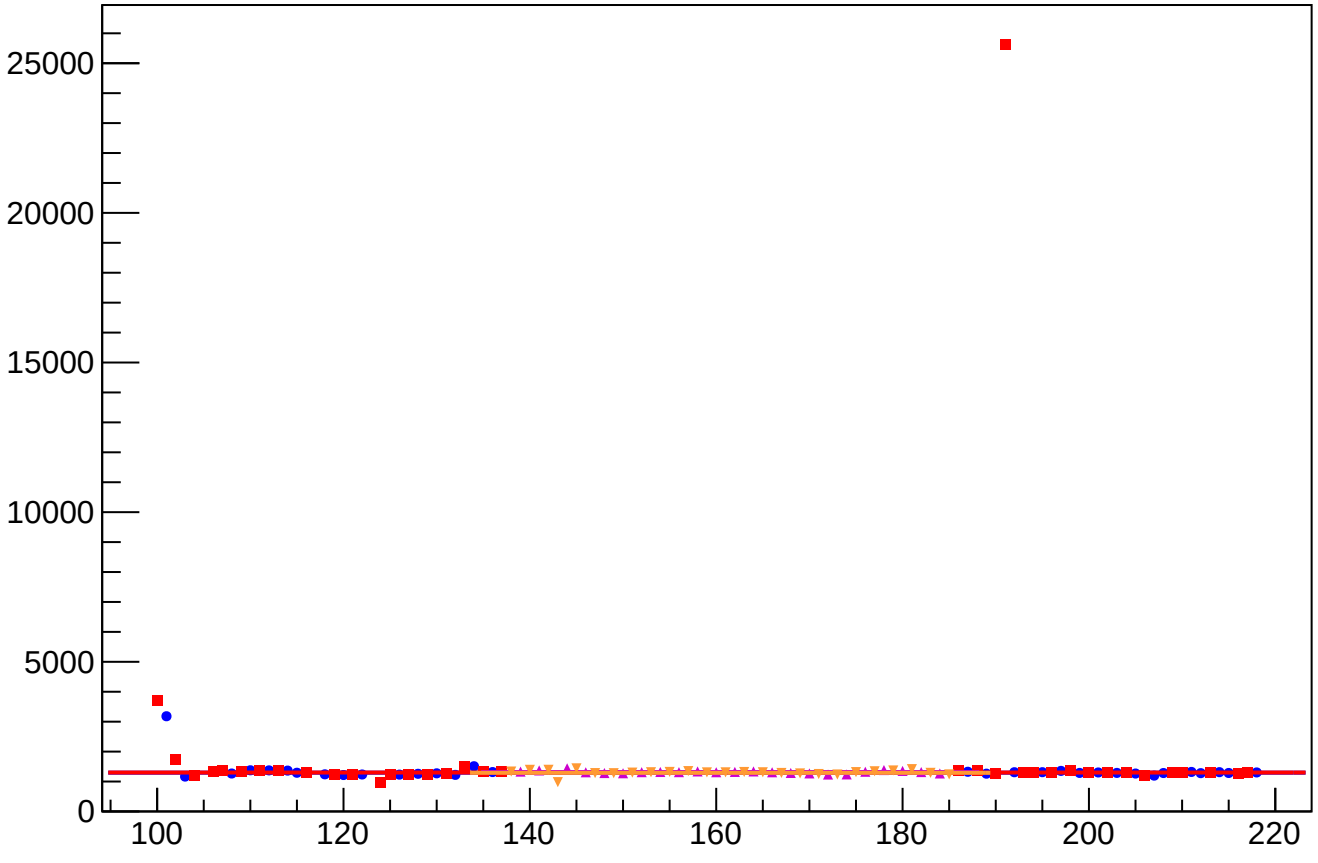
Left In: 503.558+/-307.055 χ^2/NDF:17.4/22

+ sign -17.823+/-206.619 χ^2/NDF: 77.0/56

All: 107.925+/-147.593 χ^2/NDF: 130.6/115

- sign 238.942+/-210.904 χ^2/NDF: 52.8/58

dit_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 1295.181+/-0.205 χ^2/NDF: 530283.4/31

Left Out: 1291.211+/-0.208 χ^2/NDF:230735.1/24

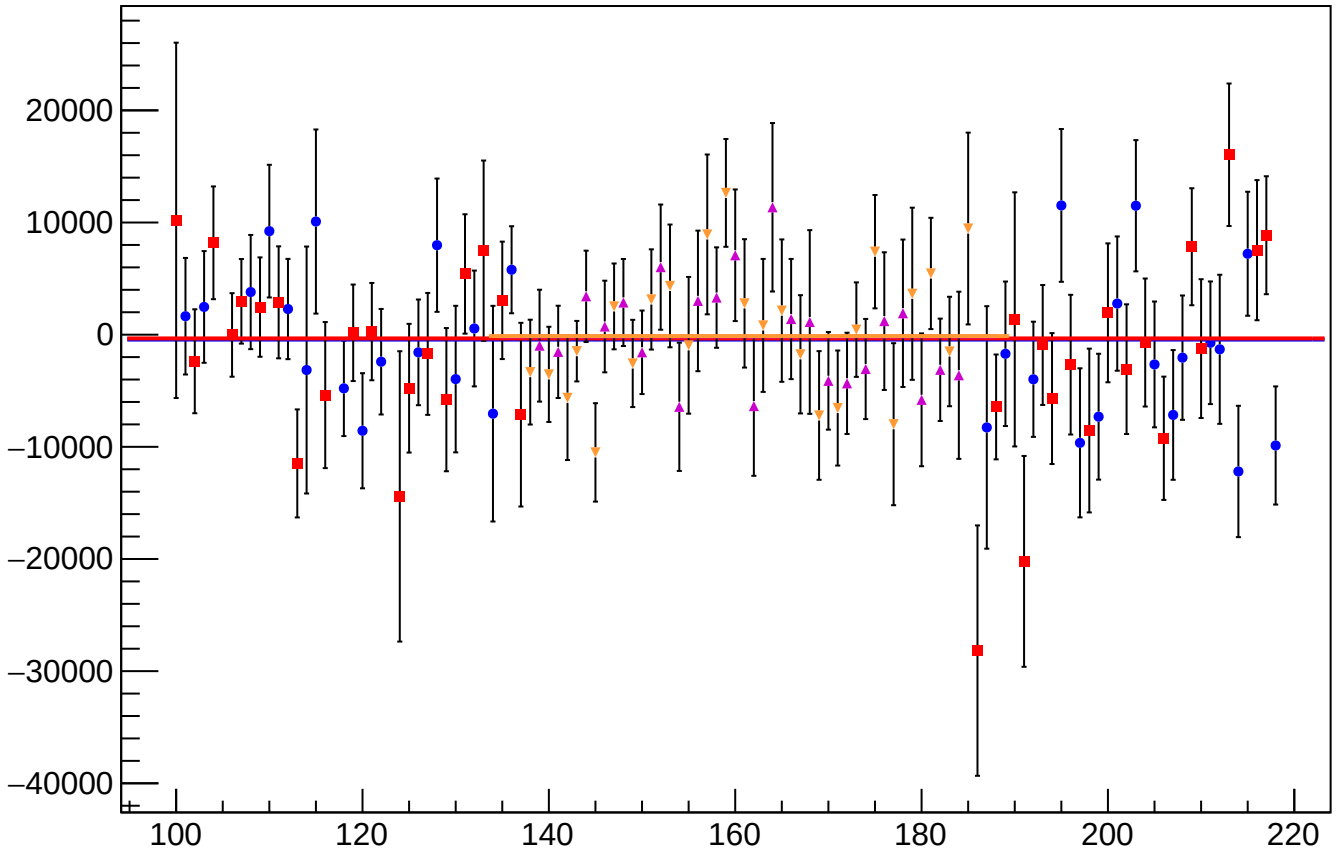
Right Out: 1300.430+/-0.205 χ^2/NDF: 378990.2/35

Left In: 1314.006+/-0.217 χ^2/NDF:43044.7/22

+ sign 1293.224+/-0.146 χ^2/NDF: 761203.2/56

All: 1299.889+/-0.104 χ^2/NDF: 1189553.7/11

- sign 1306.833+/-0.149 χ^2/NDF: 424100.6/58



Right In: -435.912+/-990.415 χ^2/NDF: 37.9/31

Left Out: -127.273+/-977.231 χ^2/NDF:28.6/24

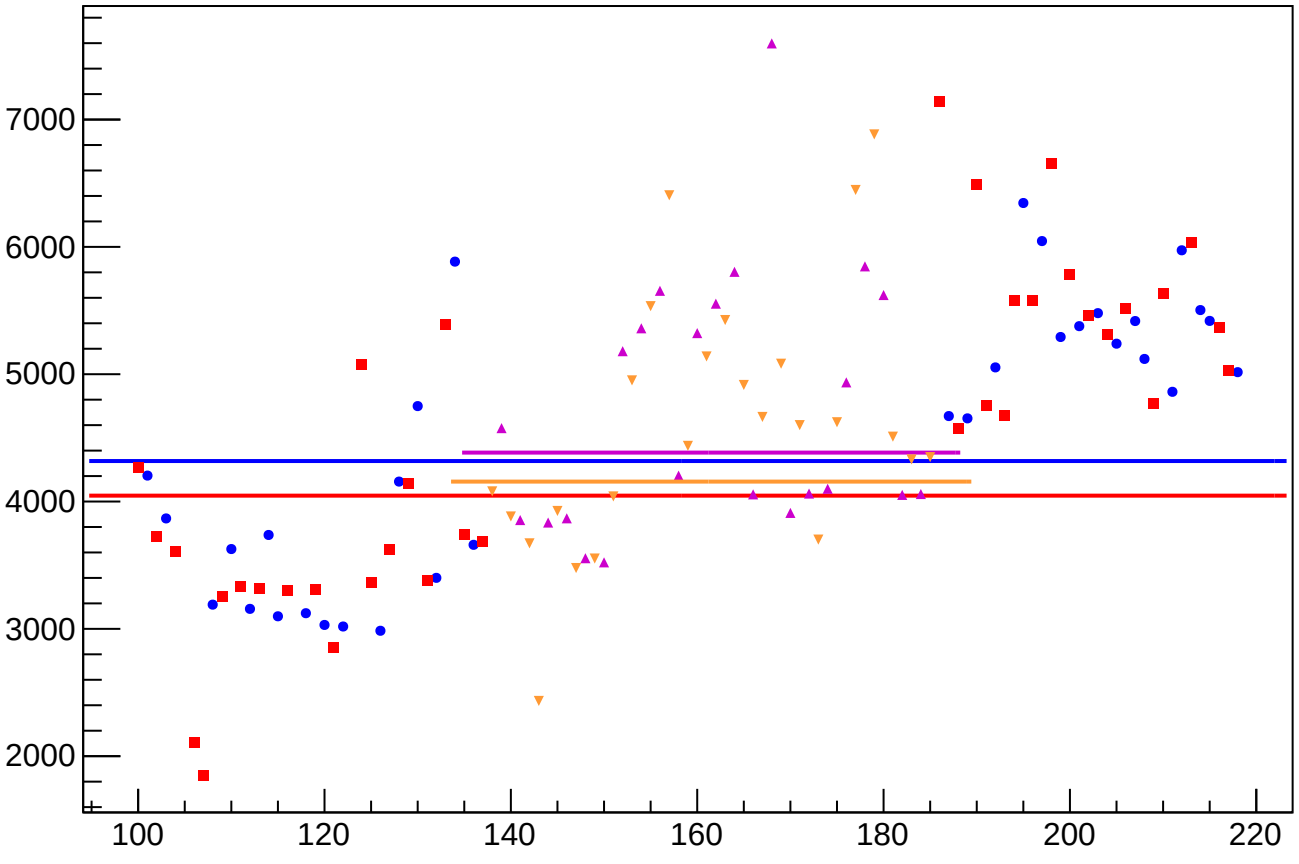
Right Out: -334.966+/-934.371 χ^2/NDF: 48.3/35

Left In: -159.452+/-1045.510 χ^2/NDF:13.8/22

+ sign -279.524+/-695.621 χ^2/NDF: 66.5/56

All: -268.295+/-492.256 χ^2/NDF: 128.6/115

- sign -257.031+/-696.691 χ^2/NDF: 62.1/58



Right In: 4318.059+/-0.700 χ^2/NDF: 2178483.2/31

Left Out: 4156.582+/-0.691 χ^2/NDF:2080766.1/24

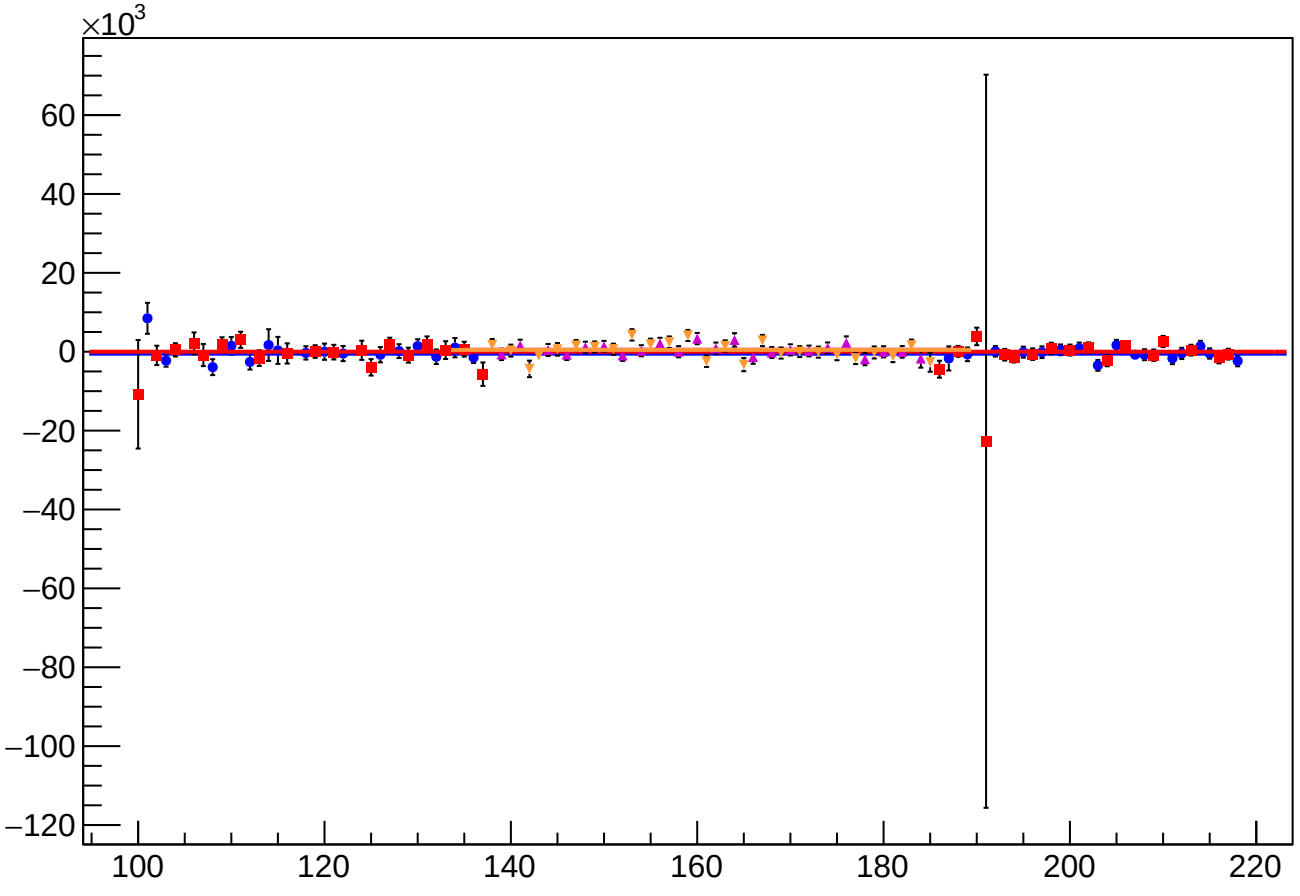
Right Out: 4046.251+/-0.661 χ^2/NDF: 3653438.5/35

Left In: 4384.323+/-0.739 χ^2/NDF:1255470.8/22

+ sign 4236.239+/-0.492 χ^2/NDF: 4286187.7/56

All: 4216.334+/-0.348 χ^2/NDF: 9314638.0/11

- sign 4196.369+/-0.493 χ^2/NDF: 5025170.3/58



Right In: -490.250+/-290.193 χ^2/NDF: 27.5/31

Left Out: 467.933+/-294.257 χ^2/NDF:44.1/24

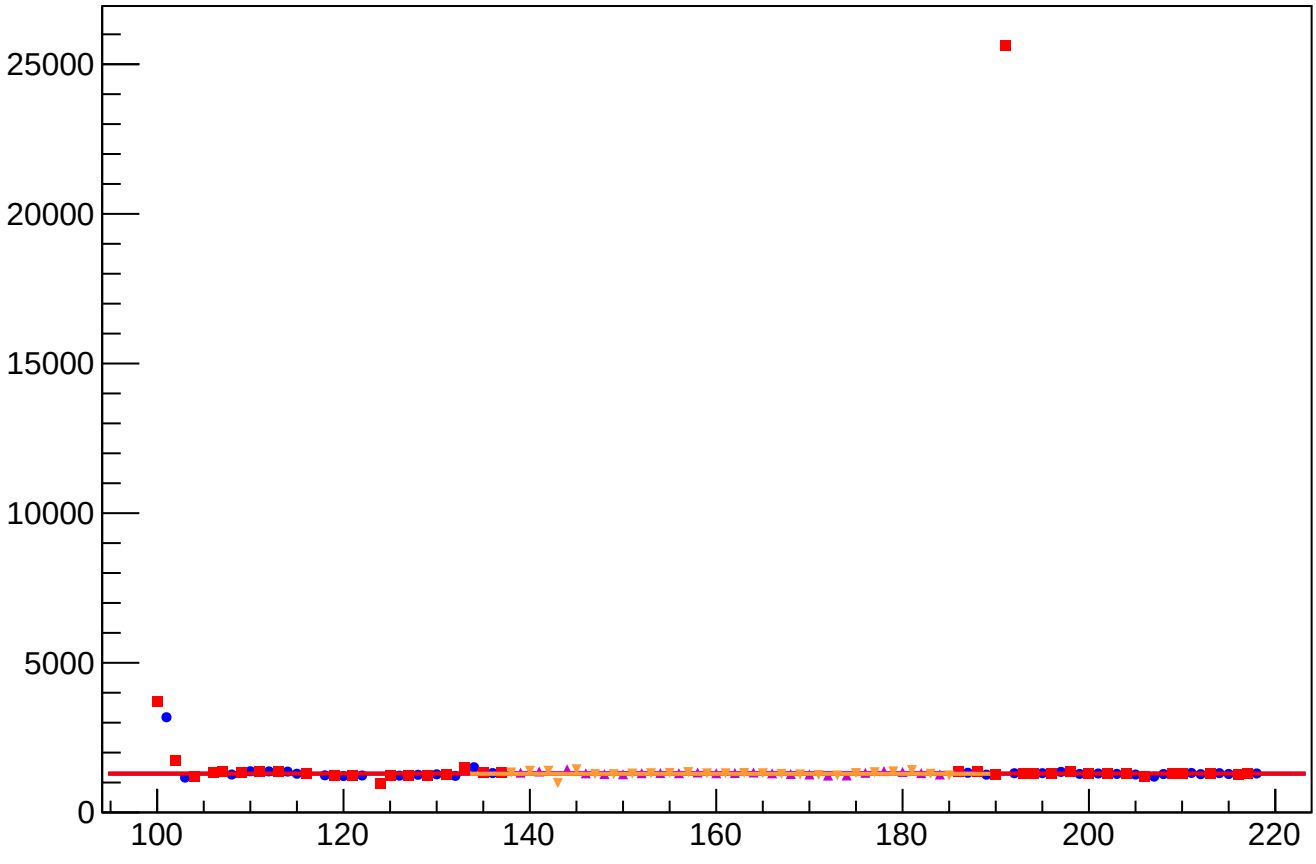
Right Out: 2.608+/-290.184 χ^2/NDF: 34.0/35

Left In: 503.558+/-307.056 χ^2/NDF:17.4/22

\+ sign -17.821+/-206.620 χ^2/NDF: 77.0/56

All: 107.927+/-147.593 χ^2/NDF: 130.6/115

\- sign 238.943+/-210.904 χ^2/NDF: 52.8/58



Right In: 1295.181+/-0.205 χ^2/NDF: 530283.5/31

Left Out: 1291.212+/-0.208 χ^2/NDF:230737.6/24

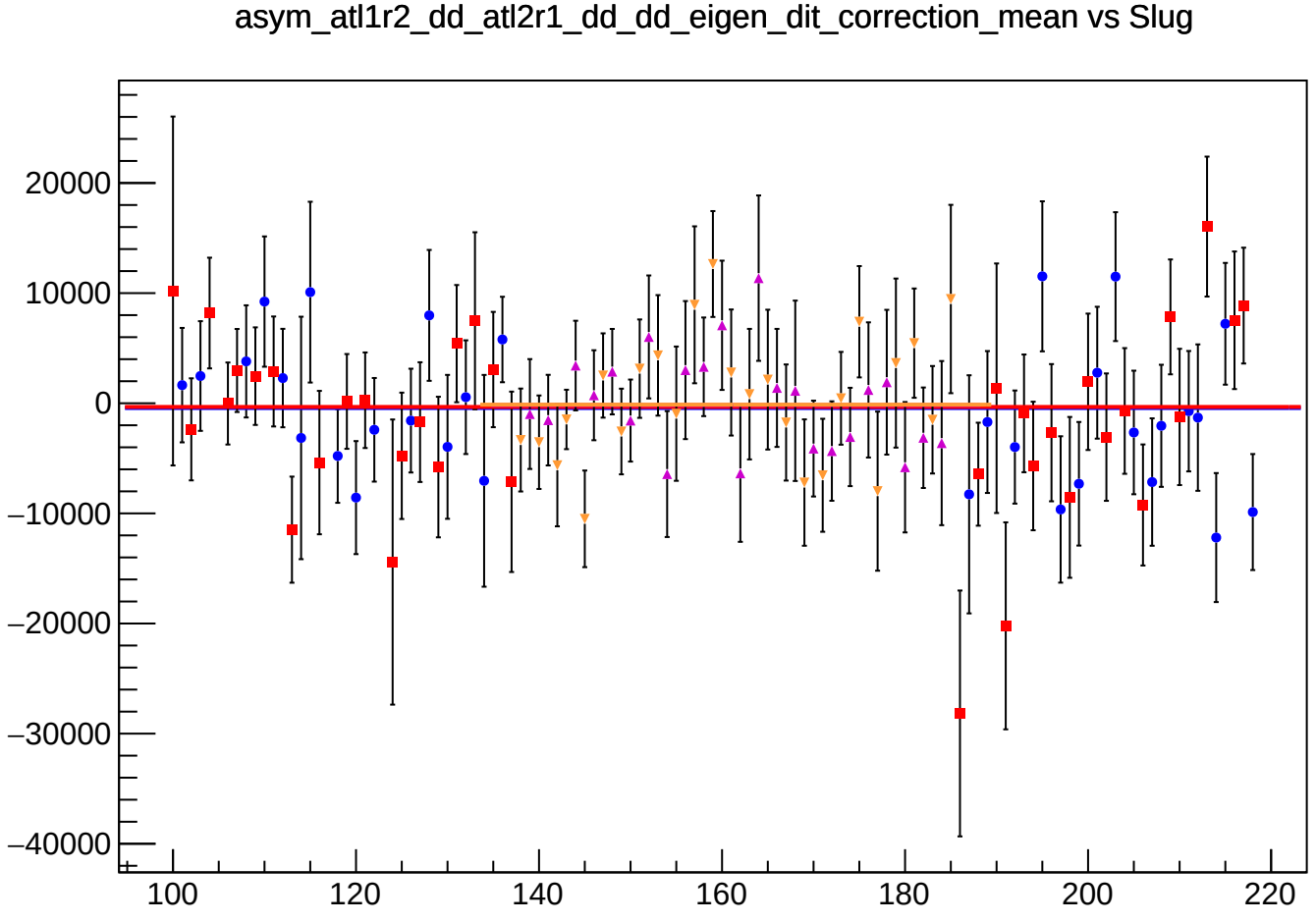
Right Out: 1300.430+/-0.205 χ^2/NDF: 378990.3/35

Left In: 1314.007+/-0.217 χ^2/NDF:43046.8/22

+ sign 1293.224+/-0.146 χ^2/NDF: 761205.6/56

All: 1299.890+/-0.104 χ^2/NDF: 1189558.8/11

- sign 1306.833+/-0.149 χ^2/NDF: 424103.2/58



Right In: -435.914+/-990.415 χ^2/NDF: 37.9/31

Left Out: -127.271+/-977.232 χ^2/NDF:28.6/24

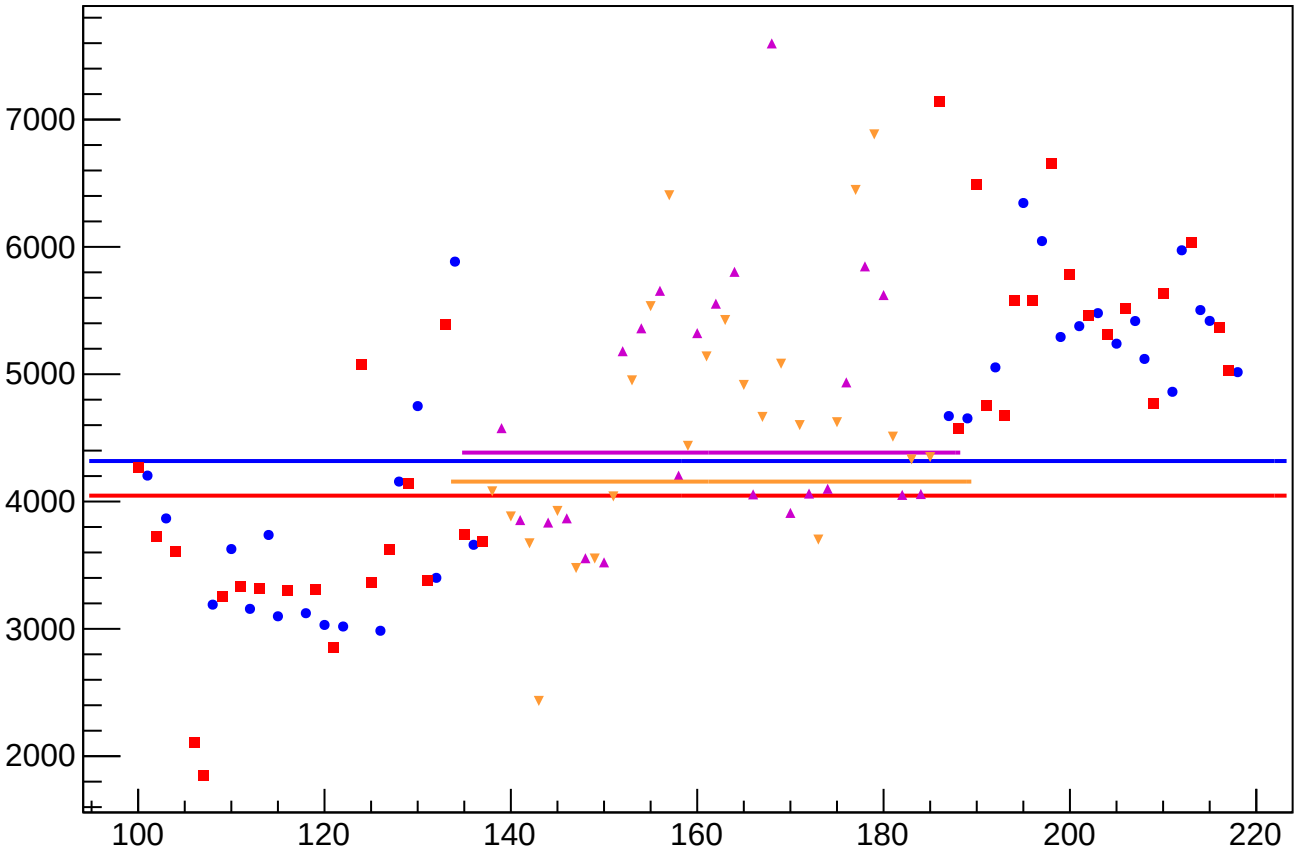
Right Out: -334.961+/-934.371 χ^2/NDF: 48.3/35

Left In: -159.454+/-1045.511 χ^2/NDF:13.8/22

+ sign -279.525+/-695.621 χ^2/NDF: 66.5/56

All: -268.294+/-492.256 χ^2/NDF: 128.6/115

- sign -257.029+/-696.691 χ^2/NDF: 62.1/58



Right In: 4318.055+/-0.700 χ^2/NDF: 2178522.1/31

Left Out: 4156.588+/-0.691 χ^2/NDF:2080769.0/24

Right Out: 4046.245+/-0.661 χ^2/NDF: 3653475.0/35

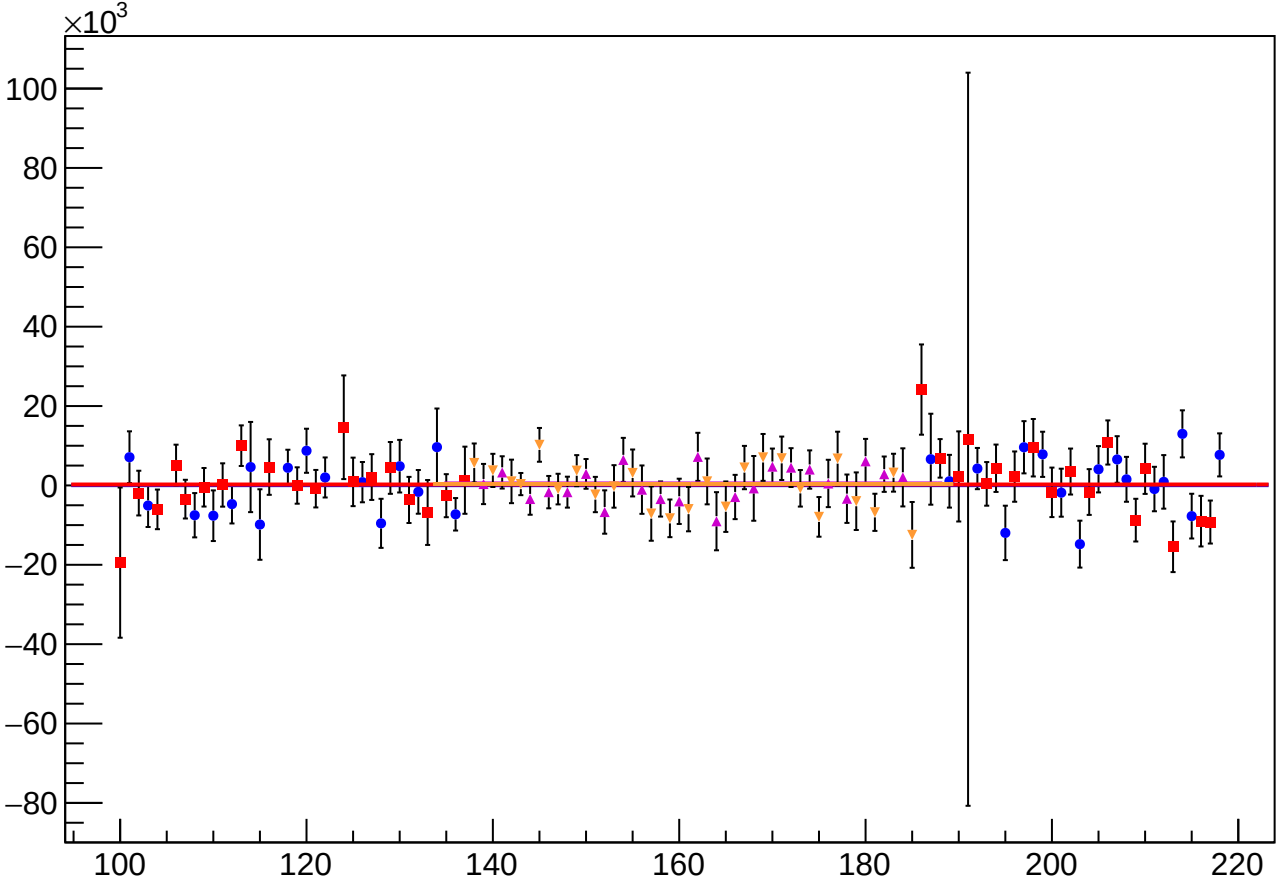
Left In: 4384.329+/-0.739 χ^2/NDF:1255475.0/22

+ sign 4236.240+/-0.492 χ^2/NDF: 4286225.8/56

All: 4216.335+/-0.348 χ^2/NDF: 9314725.6/11

- sign 4196.368+/-0.493 χ^2/NDF: 5025219.5/58

asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug



Right In: 70.199+/-1040.368 χ^2/NDF: 43.4/31

Left Out: 362.528+/-979.860 χ^2/NDF:27.7/24

Right Out: 228.319+/-1008.085 χ^2/NDF: 38.7/35

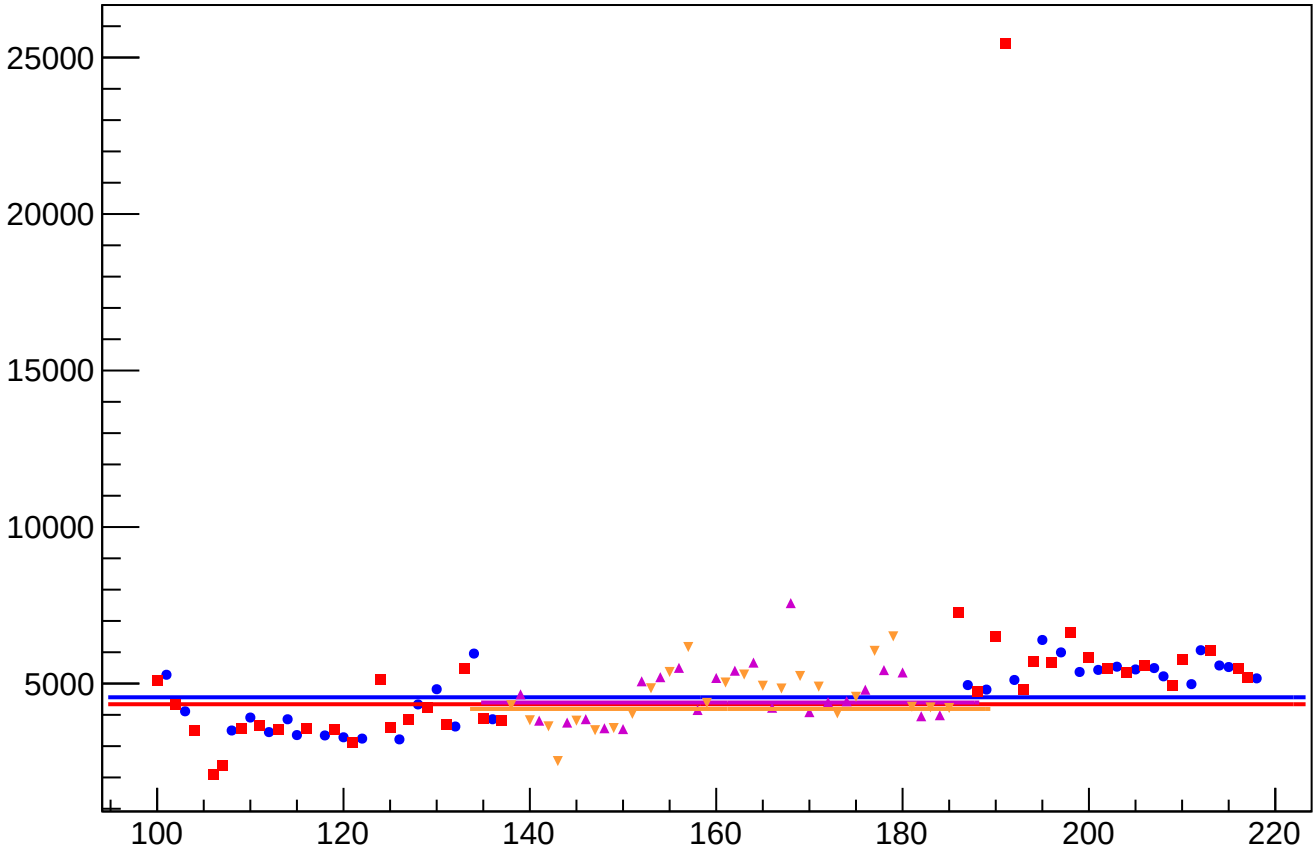
Left In: 497.522+/-1044.707 χ^2/NDF:13.9/22

+ sign 225.111+/-713.298 χ^2/NDF: 71.1/56

All: 290.494+/-508.611 χ^2/NDF: 123.7/115

- sign 358.120+/-725.425 χ^2/NDF: 52.6/58

asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 4561.241+/-0.736 χ^2/NDF: 1749932.7/31

Left Out: 4187.848+/-0.693 χ^2/NDF:1796345.9/24

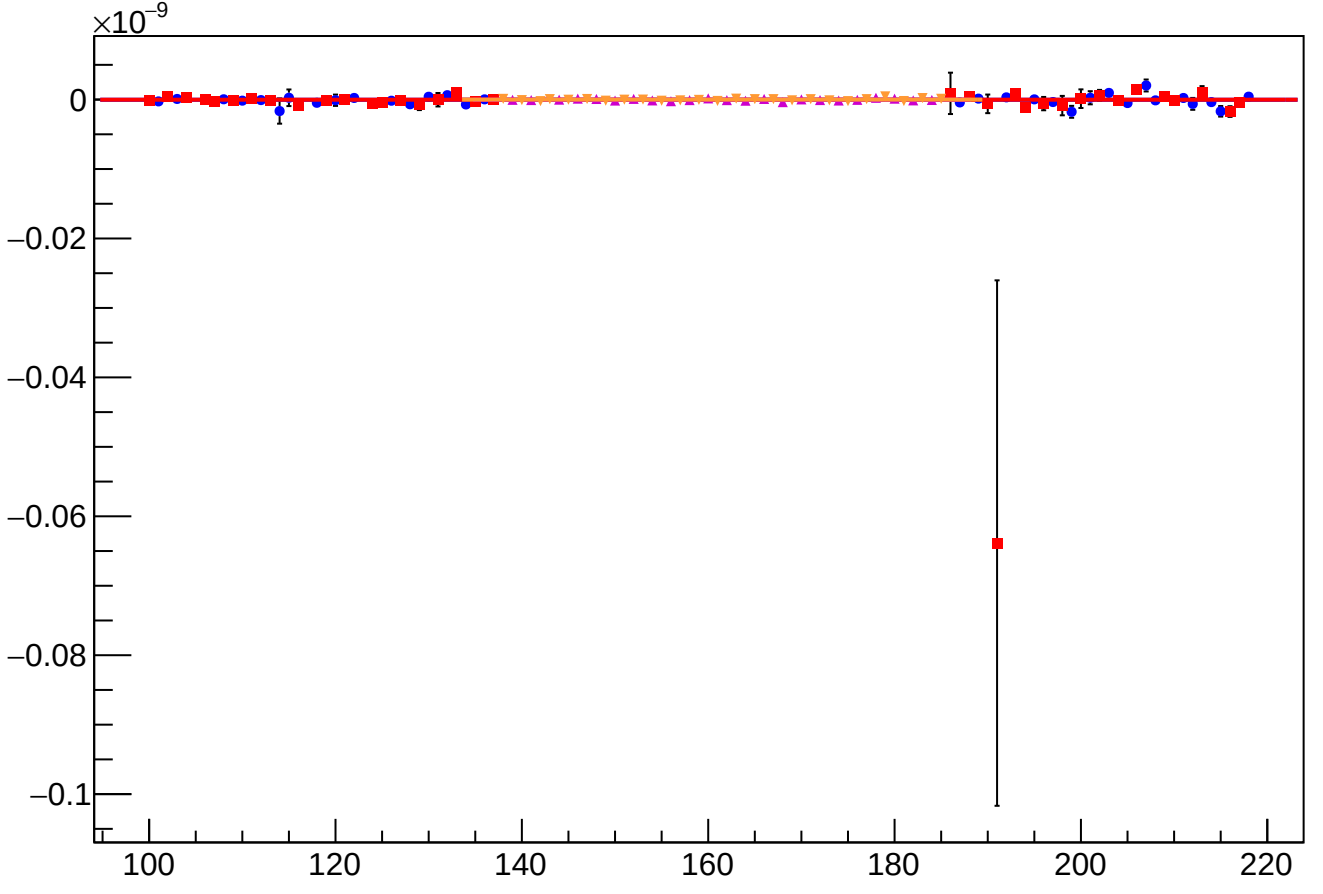
Right Out: 4339.144+/-0.707 χ^2/NDF: 2890722.2/35

Left In: 4394.324+/-0.739 χ^2/NDF:1088394.9/22

+ sign 4363.372+/-0.504 χ^2/NDF: 3682801.1/56

All: 4364.439+/-0.359 χ^2/NDF: 7664838.5/11

- sign 4365.534+/-0.511 χ^2/NDF: 3982028.3/58



Right In: -0.000+/-0.000 χ^2/NDF: 40.8/31

Left Out: -0.000+/-0.000 χ^2/NDF:30.5/24

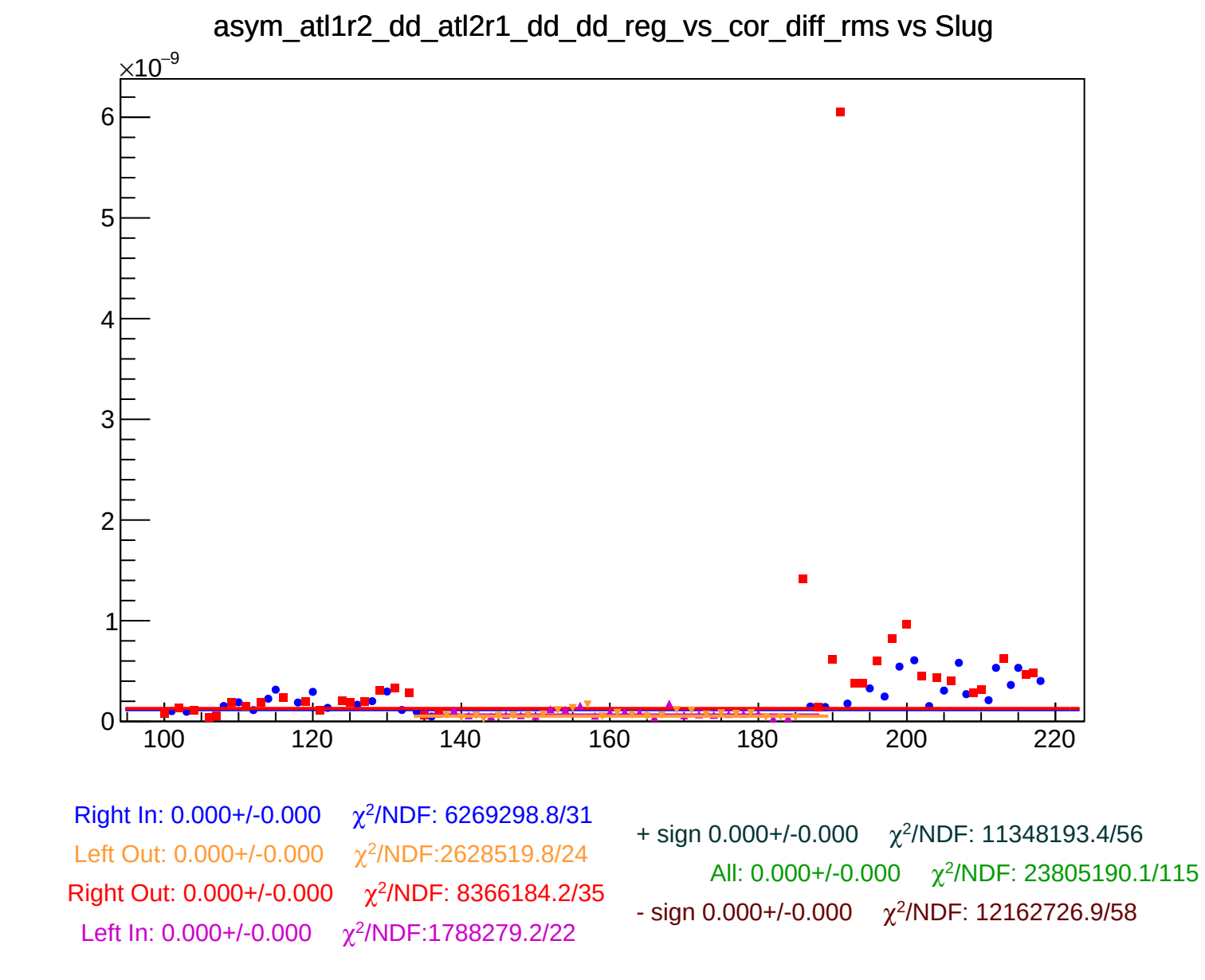
Right Out: -0.000+/-0.000 χ^2/NDF: 40.5/35

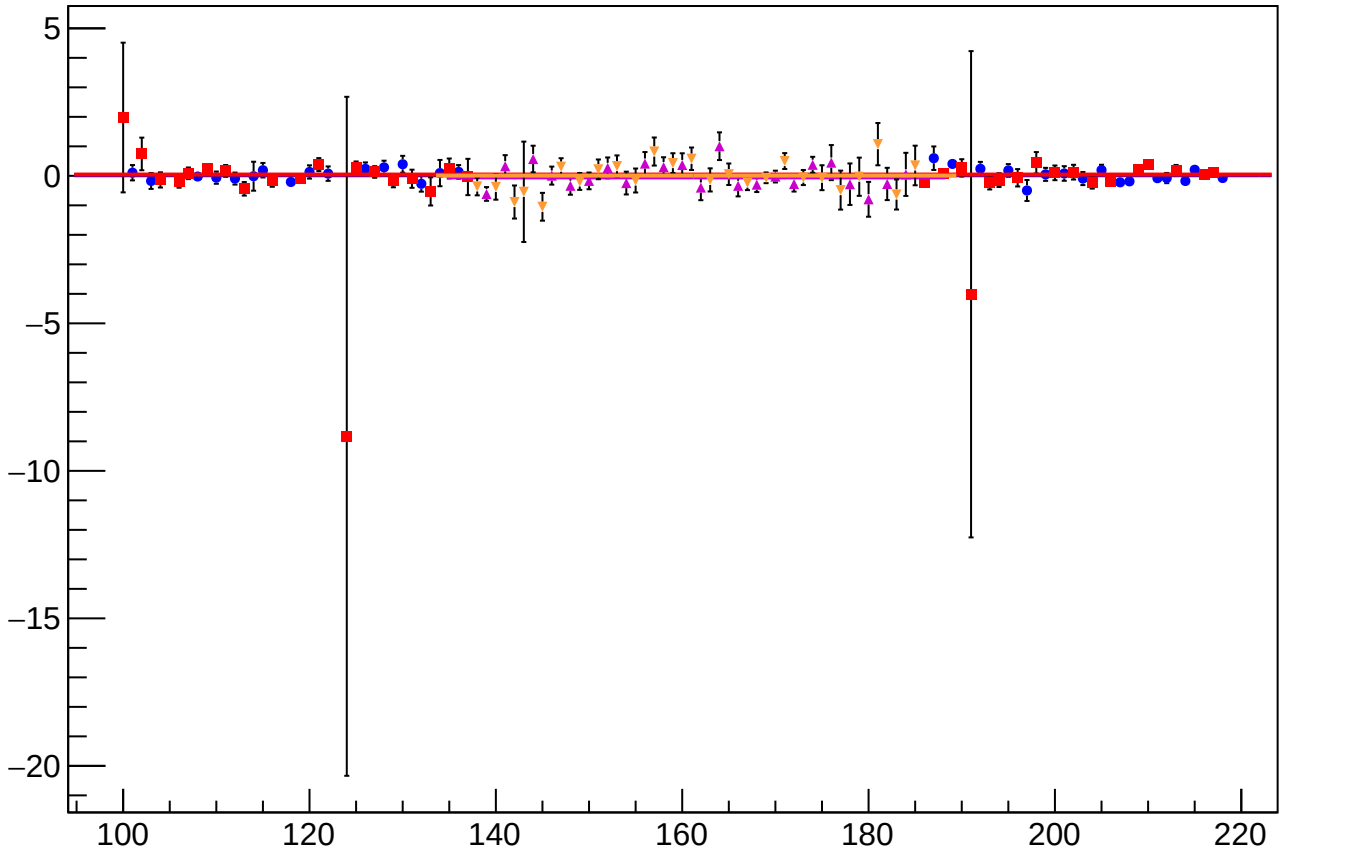
Left In: -0.000+/-0.000 χ^2/NDF:17.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 71.5/56

All: -0.000+/-0.000 χ^2/NDF: 129.2/115

- sign -0.000+/-0.000 χ^2/NDF: 57.5/58


asym_atl1r2_dd_atl2r1_dd_dd_reg_vs_cor_diff_rms vs Slug
×10^−9
6
5
4
3
2
1
0
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 6269298.8/31
Left Out: 0.000+/-0.000 χ²/NDF:2628519.8/24
Right Out: 0.000+/-0.000 χ²/NDF: 8366184.2/35
Left In: 0.000+/-0.000 χ²/NDF:1788279.2/22
+ sign 0.000+/-0.000 χ²/NDF: 11348193.4/56
All: 0.000+/-0.000 χ²/NDF: 23805190.1/115
- sign 0.000+/-0.000 χ²/NDF: 12162726.9/58



Right In: 0.021+/-0.035 χ^2/NDF: 31.8/31

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

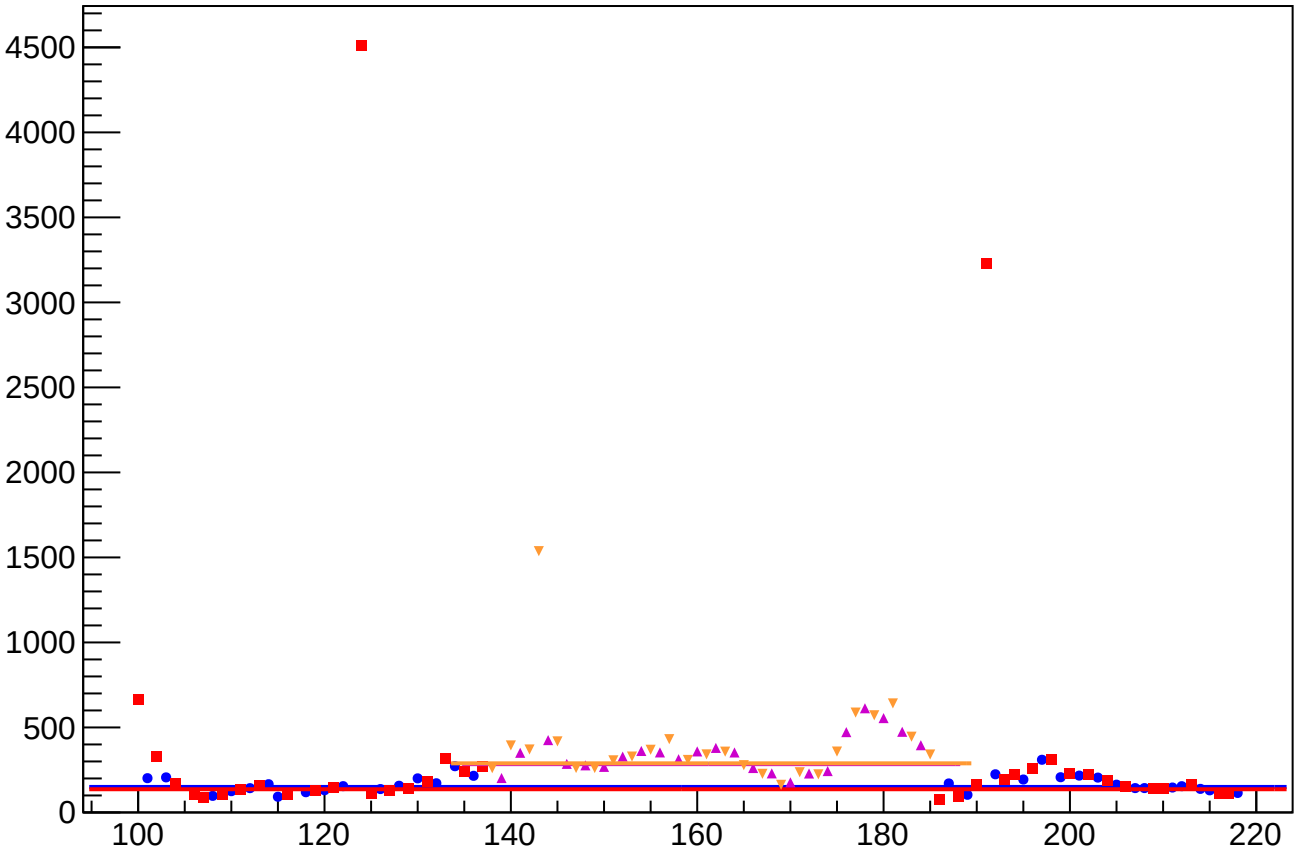
Right Out: 0.044+/-0.033 χ^2/NDF: 41.3/35

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

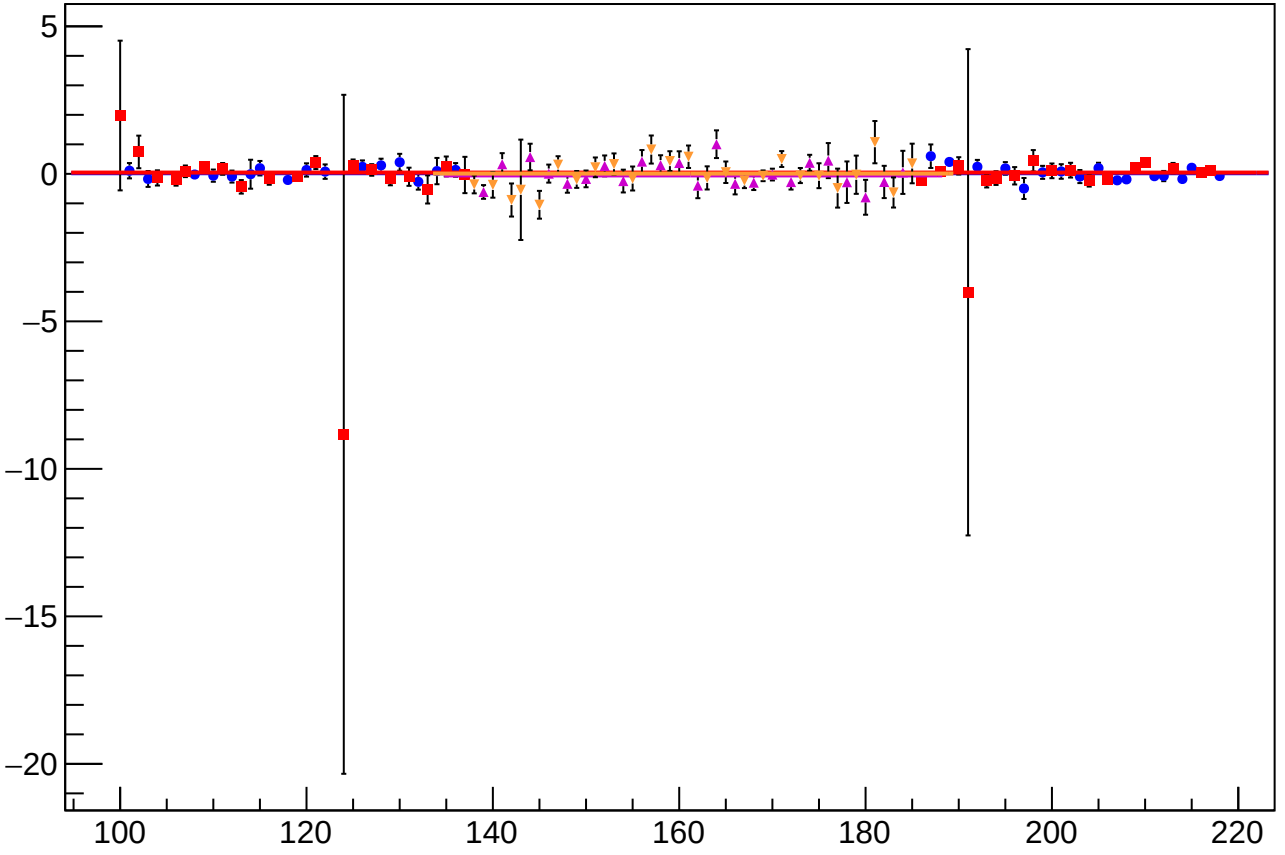
+ sign 0.018+/-0.032 χ^2/NDF: 60.7/56

All: 0.022+/-0.022 χ^2/NDF: 131.4/115

- sign 0.026+/-0.030 χ^2/NDF: 70.6/58


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
200
220
Right In: 150.054+/-0.025 χ²/NDF: 2533590.7/31
Left Out: 288.922+/-0.050 χ²/NDF:4648197.0/24
Right Out: 136.564+/-0.023 χ²/NDF: 4892006.5/35
Left In: 284.168+/-0.050 χ²/NDF:3077521.1/22
+ sign 177.478+/-0.022 χ²/NDF: 13318617.6/56
All: 170.058+/-0.015 χ²/NDF: 28693708.8/11
- sign 163.355+/-0.021 χ²/NDF: 15164655.9/58

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.021+/-0.035 χ^2/NDF: 31.8/31

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

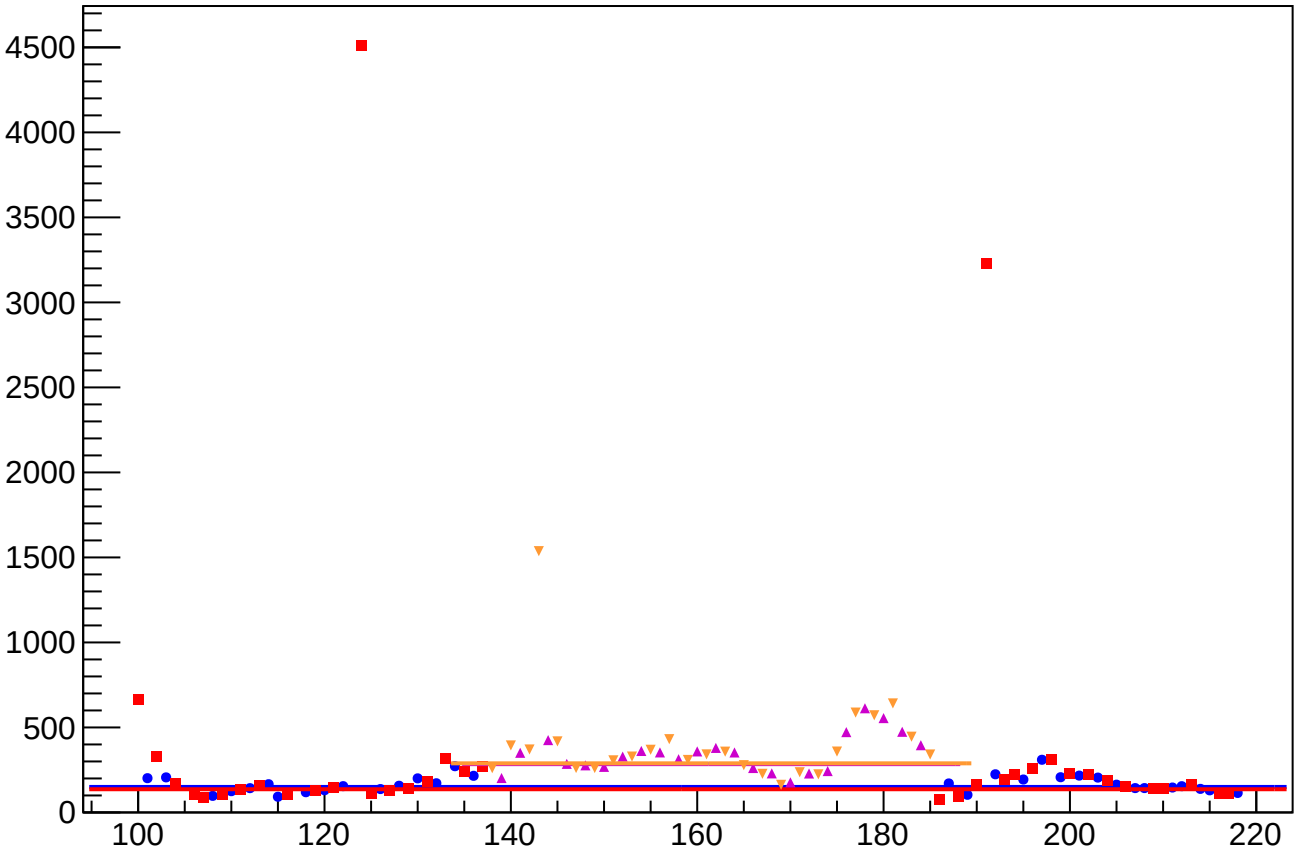
Right Out: 0.044+/-0.033 χ^2/NDF: 41.3/35

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.018+/-0.032 χ^2/NDF: 60.7/56

All: 0.022+/-0.022 χ^2/NDF: 131.4/115

- sign 0.026+/-0.030 χ^2/NDF: 70.6/58



Right In: 150.054+/-0.025 χ^2/NDF: 2533590.7/31

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

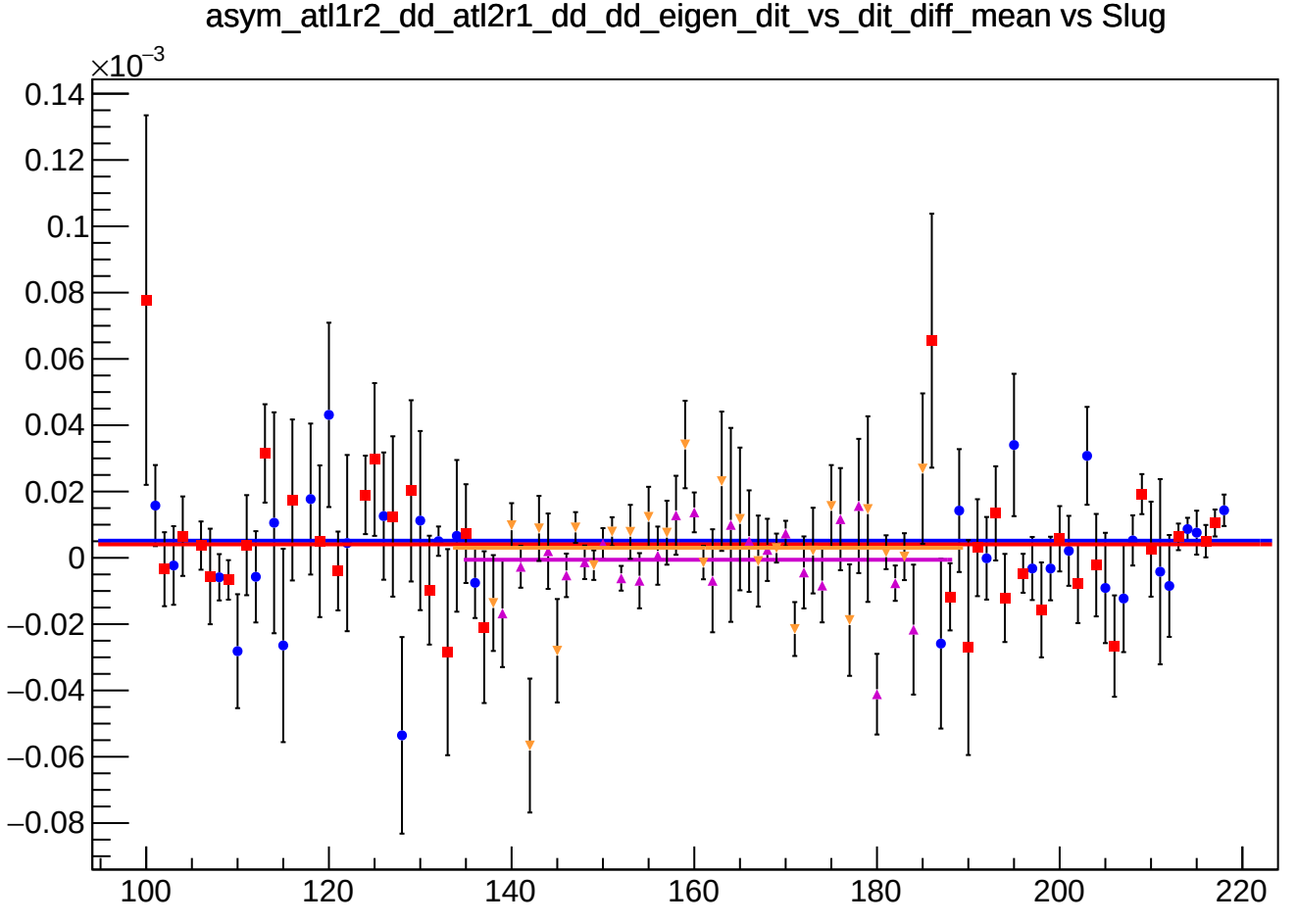
Right Out: 136.564+/-0.023 χ^2/NDF: 4892006.5/35

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

+ sign 177.478+/-0.022 χ^2/NDF: 13318617.6/56

All: 170.058+/-0.015 χ^2/NDF: 28693708.8/11

- sign 163.355+/-0.021 χ^2/NDF: 15164655.9/58



Right In: 0.000+/-0.000 χ^2/NDF: 33.0/31

Left Out: 0.000+/-0.000 χ^2/NDF:42.2/24

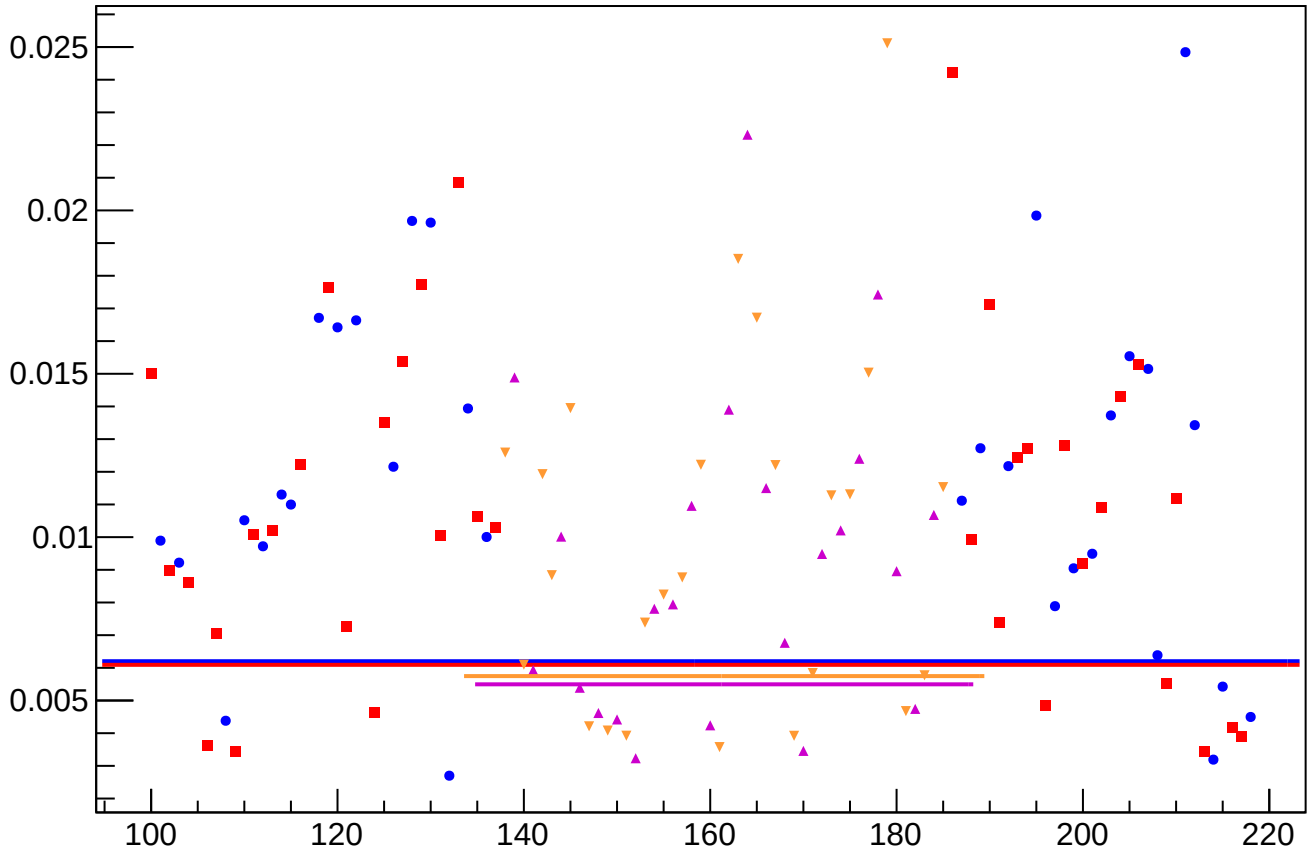
Right Out: 0.000+/-0.000 χ^2/NDF: 42.8/35

Left In: -0.000+/-0.000 χ^2/NDF:33.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 76.1/56

All: 0.000+/-0.000 χ^2/NDF: 158.8/115

- sign 0.000+/-0.000 χ^2/NDF: 80.5/58



Right In: 0.006+/-0.000 χ^2/NDF: 11616529.9/31

Left Out: 0.006+/-0.000 χ^2/NDF:8128513.8/24

Right Out: 0.006+/-0.000 χ^2/NDF: 9846323.4/35

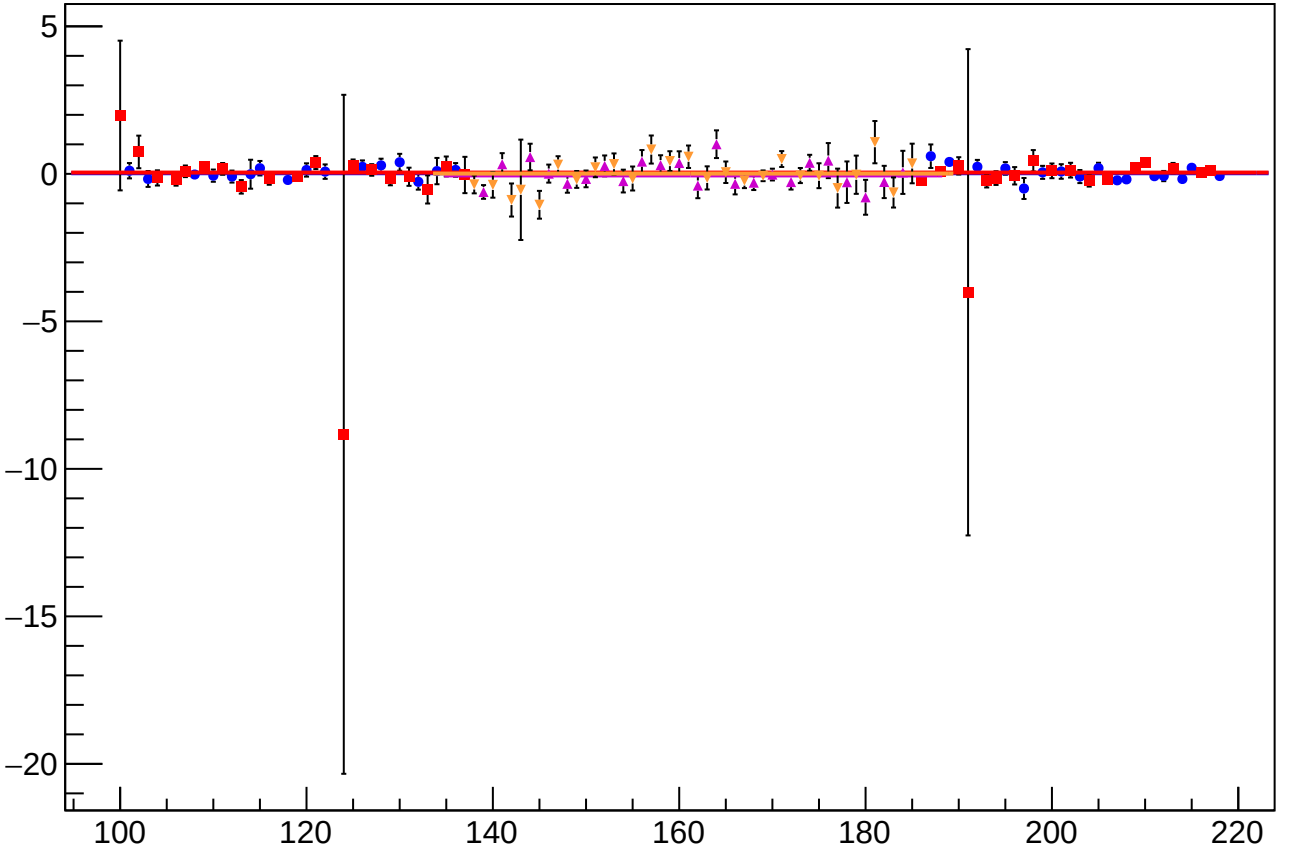
Left In: 0.005+/-0.000 χ^2/NDF:6937299.0/22

+ sign 0.006+/-0.000 χ^2/NDF: 19825129.1/56

All: 0.006+/-0.000 χ^2/NDF: 36779689.4/115

- sign 0.006+/-0.000 χ^2/NDF: 16930806.2/58

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.021+/-0.035 χ^2/NDF: 31.8/31

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

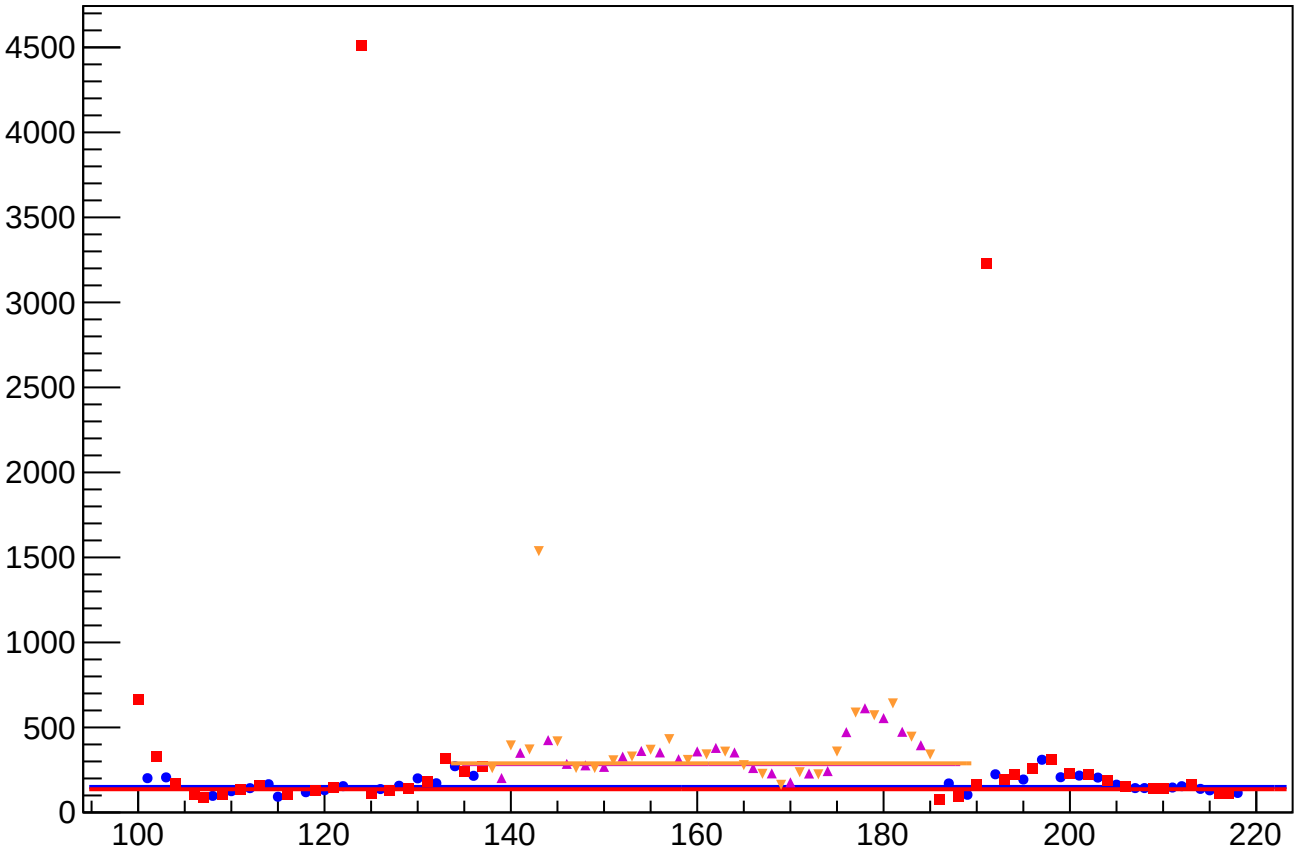
Right Out: 0.044+/-0.033 χ^2/NDF: 41.3/35

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.018+/-0.032 χ^2/NDF: 60.7/56

All: 0.022+/-0.022 χ^2/NDF: 131.4/115

- sign 0.026+/-0.030 χ^2/NDF: 70.6/58



Right In: 150.055+/-0.025 χ^2/NDF: 2533574.0/31

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

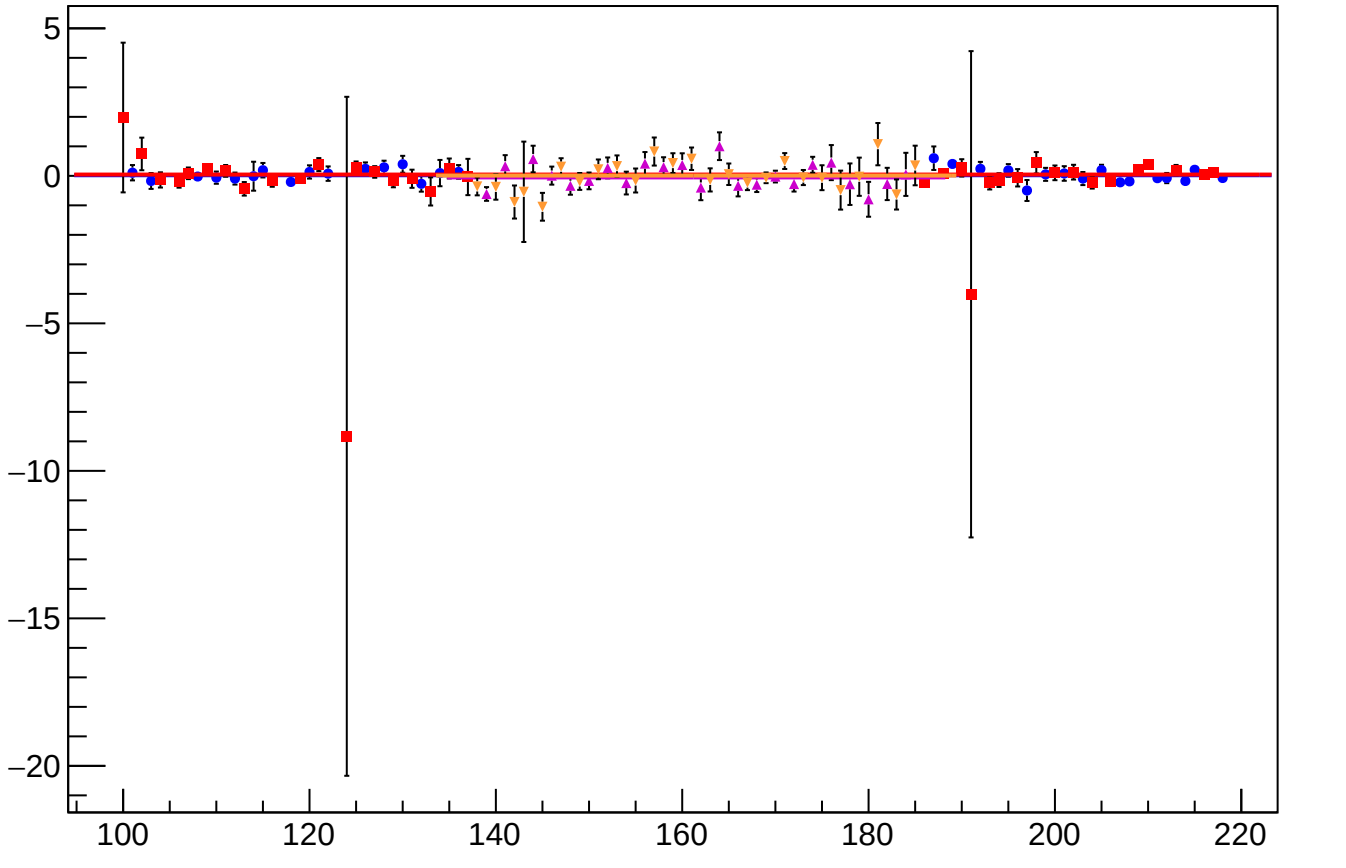
Right Out: 136.566+/-0.023 χ^2/NDF: 4891847.9/35

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

+ sign 177.479+/-0.022 χ^2/NDF: 13318720.8/56

All: 170.059+/-0.015 χ^2/NDF: 28693613.1/11

- sign 163.357+/-0.021 χ^2/NDF: 15164494.4/58



Right In: 0.021+/-0.035 χ^2/NDF: 31.8/31

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: 0.044+/-0.033 χ^2/NDF: 41.3/35

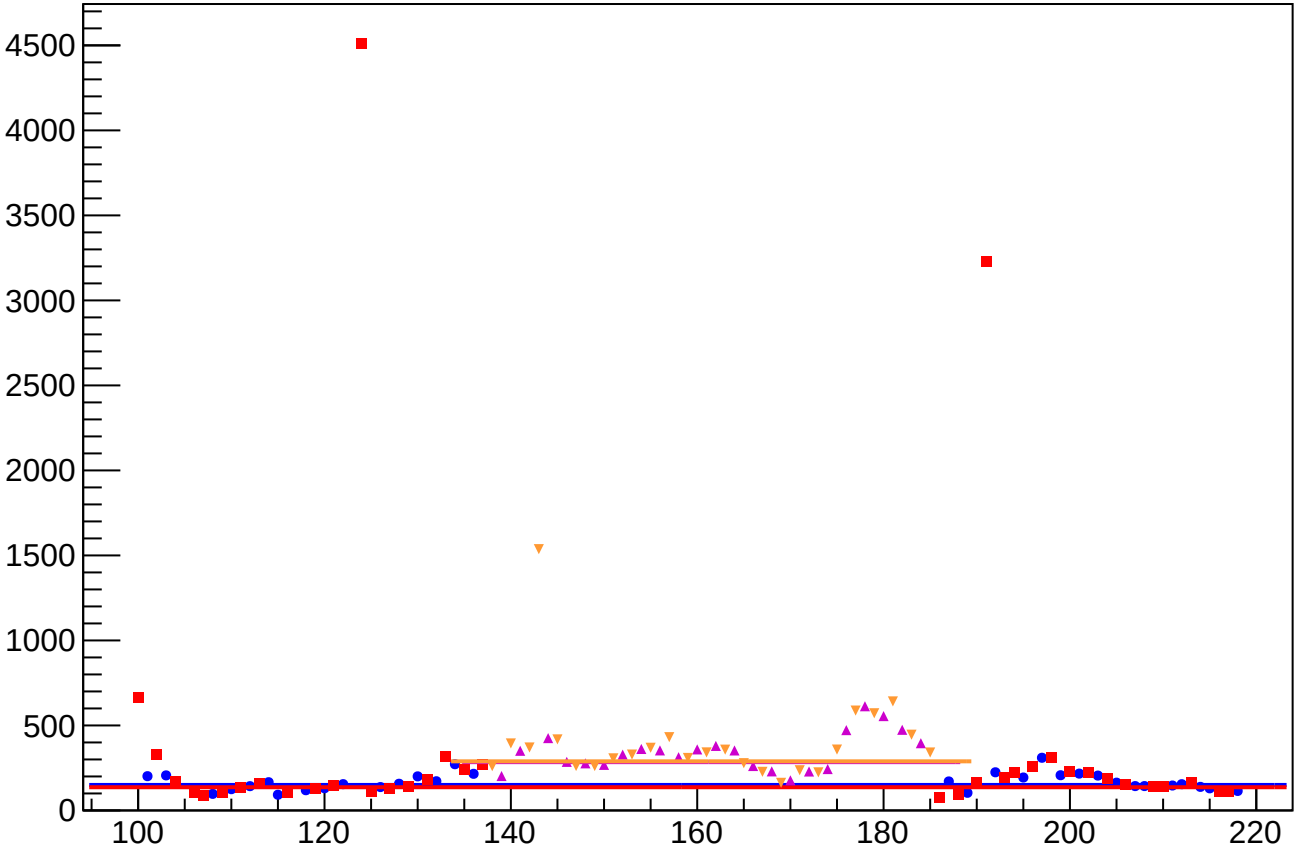
Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

\+ sign 0.018+/-0.032 χ^2/NDF: 60.7/56

All: 0.022+/-0.022 χ^2/NDF: 131.4/115

\- sign 0.026+/-0.030 χ^2/NDF: 70.6/58

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 150.055+/-0.025 χ^2/NDF: 2533574.0/31

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

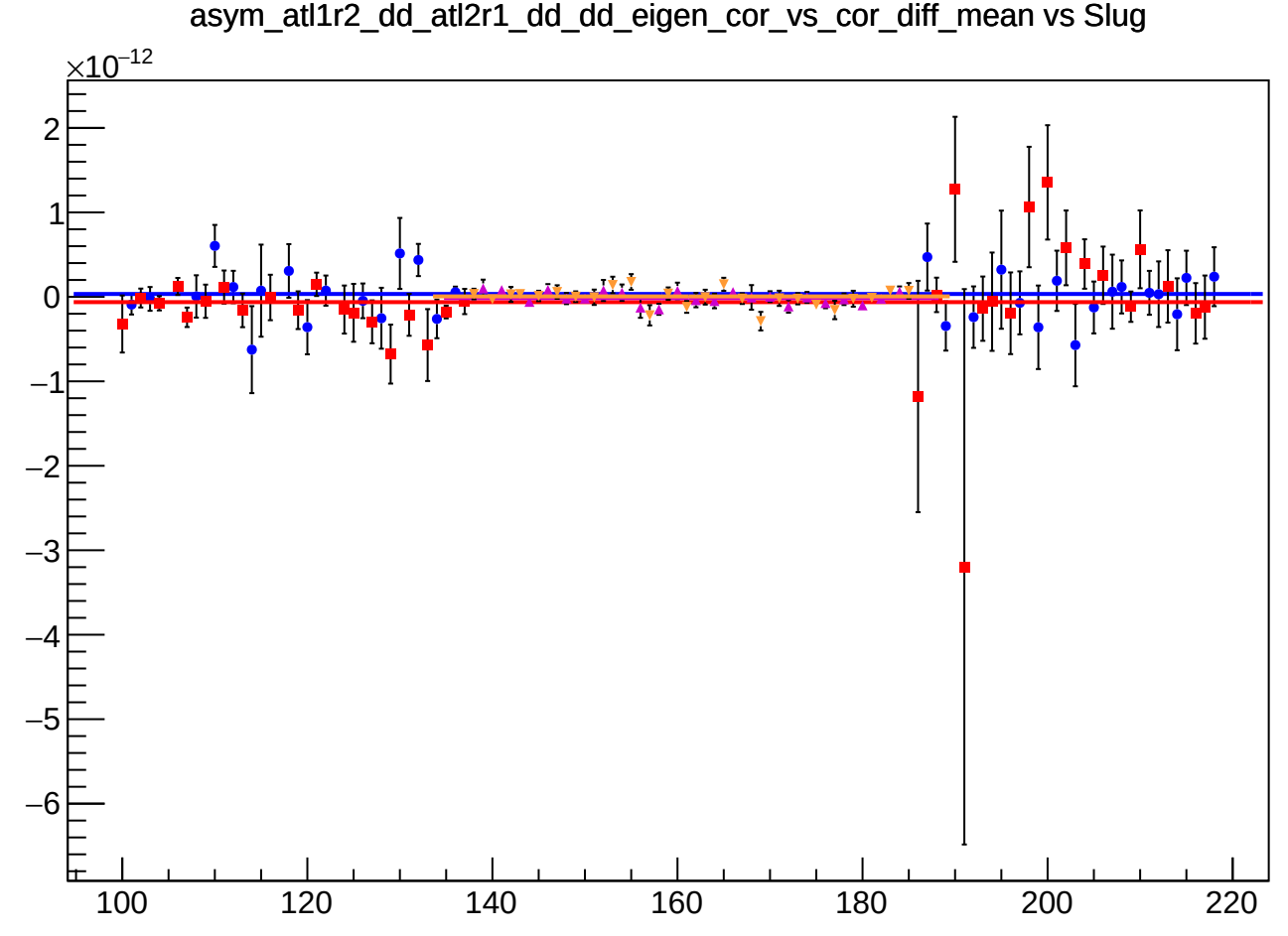
Right Out: 136.566+/-0.023 χ^2/NDF: 4891847.9/35

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

+ sign 177.479+/-0.022 χ^2/NDF: 13318720.8/56

All: 170.059+/-0.015 χ^2/NDF: 28693613.1/11

- sign 163.357+/-0.021 χ^2/NDF: 15164494.4/58



Right In: 0.000+/-0.000 χ^2/NDF: 26.5/31

Left Out: 0.000+/-0.000 χ^2/NDF:34.1/24

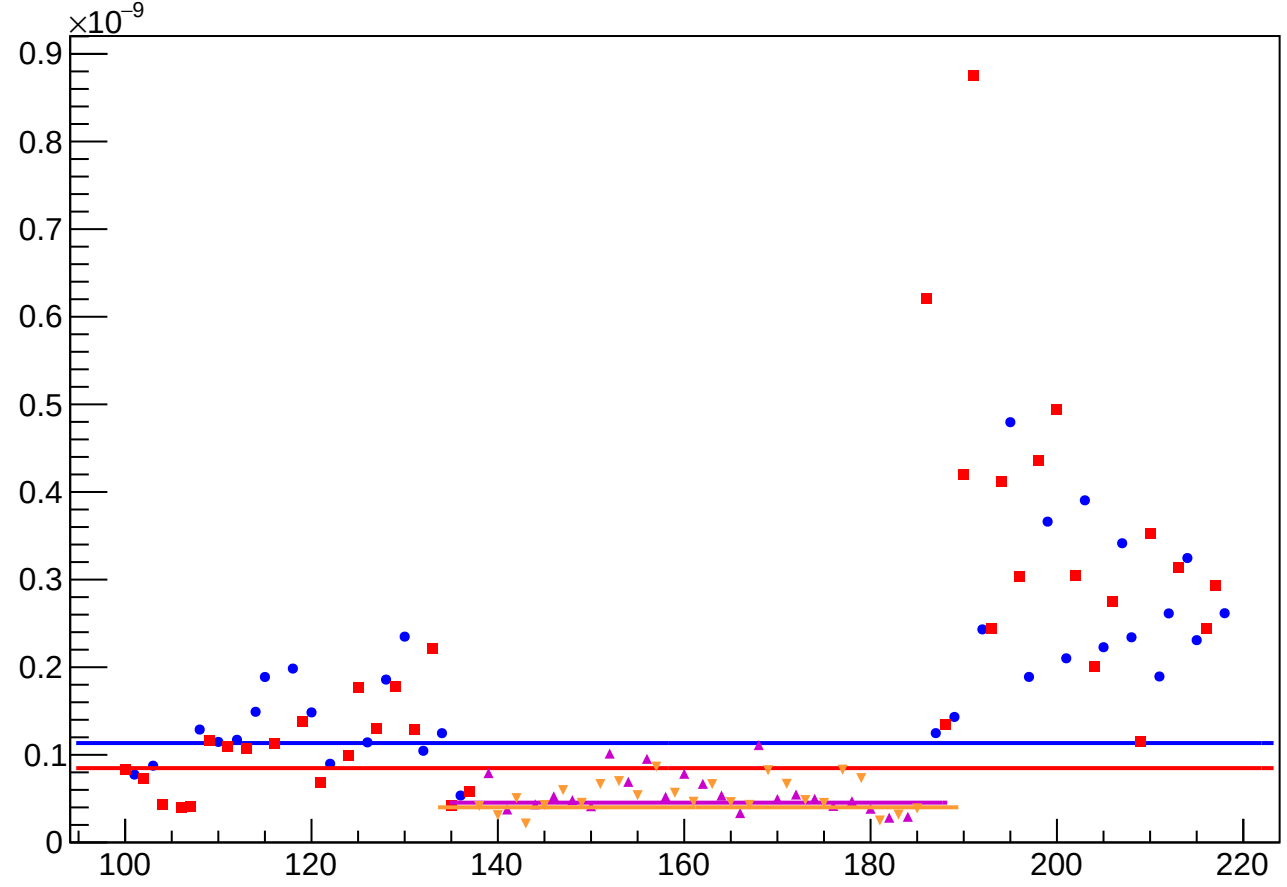
Right Out: -0.000+/-0.000 χ^2/NDF: 37.5/35

Left In: -0.000+/-0.000 χ^2/NDF:23.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 61.1/56

All: -0.000+/-0.000 χ^2/NDF: 126.8/115

- sign -0.000+/-0.000 χ^2/NDF: 62.6/58



Right In: 0.000+/-0.000 χ^2/NDF: 7264038.6/31

Left Out: 0.000+/-0.000 χ^2/NDF:3609934.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10027189.5/35

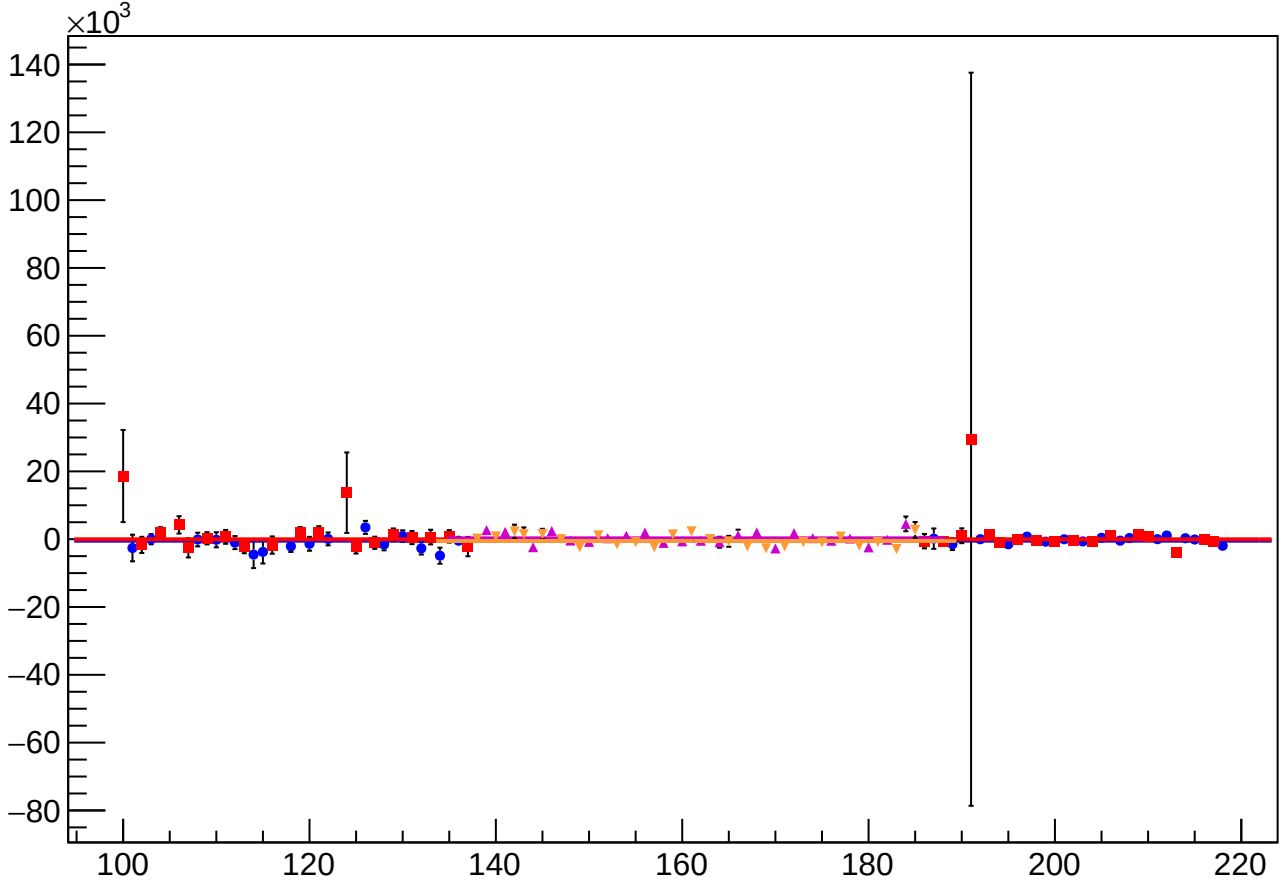
Left In: 0.000+/-0.000 χ^2/NDF:2780344.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 17416399.3/56

All: 0.000+/-0.000 χ^2/NDF: 32947237.8/115

- sign 0.000+/-0.000 χ^2/NDF: 15382601.8/58

reg_asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug



Right In: -430.866+/-285.473 χ^2/NDF: 19.5/31

Left Out: -514.484+/-285.945 χ^2/NDF:30.9/24

Right Out: -37.386+/-286.628 χ^2/NDF: 30.1/35

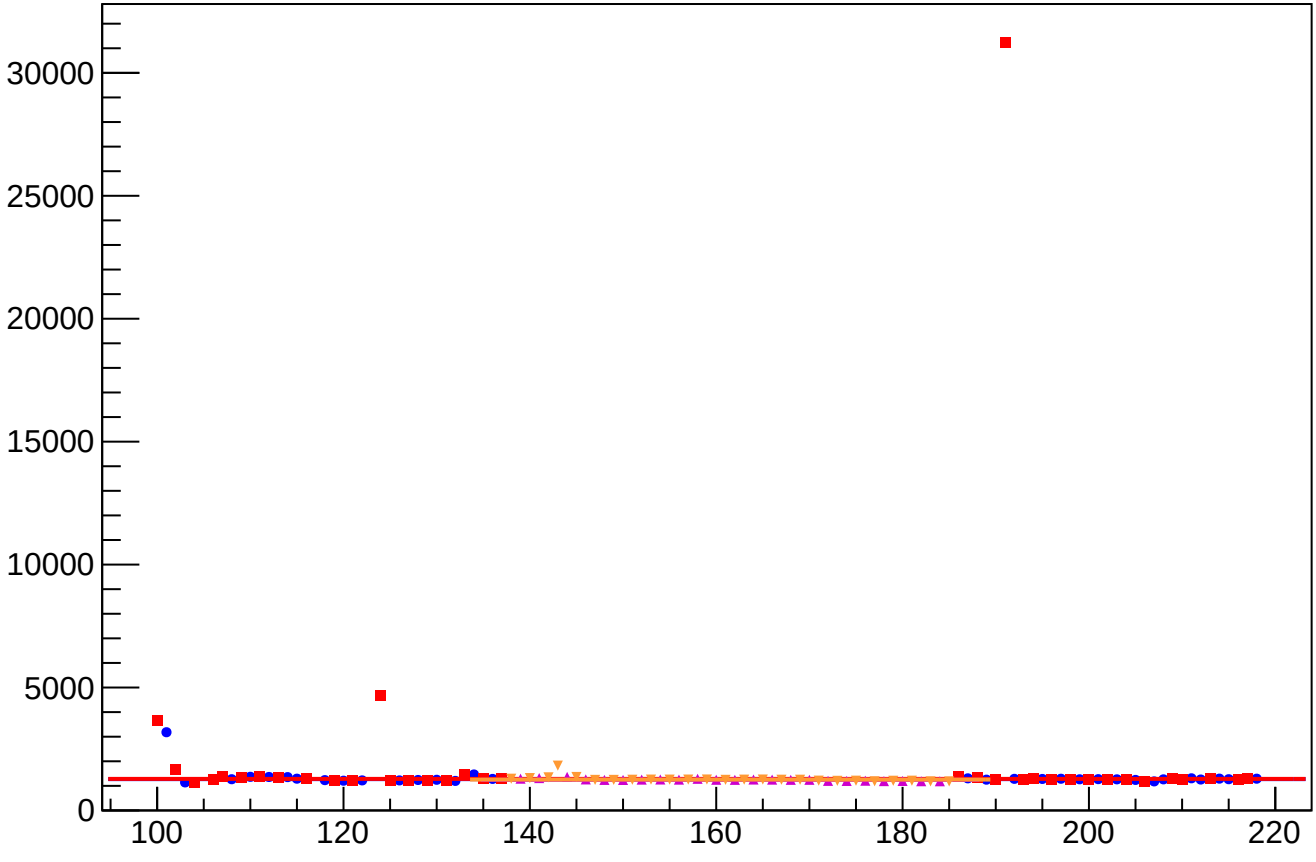
Left In: 242.686+/-291.166 χ^2/NDF:32.0/22

+ sign -472.606+/-202.027 χ^2/NDF: 50.5/56

All: -189.231+/-143.638 χ^2/NDF: 117.0/115

- sign 100.450+/-204.262 χ^2/NDF: 62.6/58

reg_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1274.165+/-0.202 χ^2/NDF: 534525.6/31

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.1/24

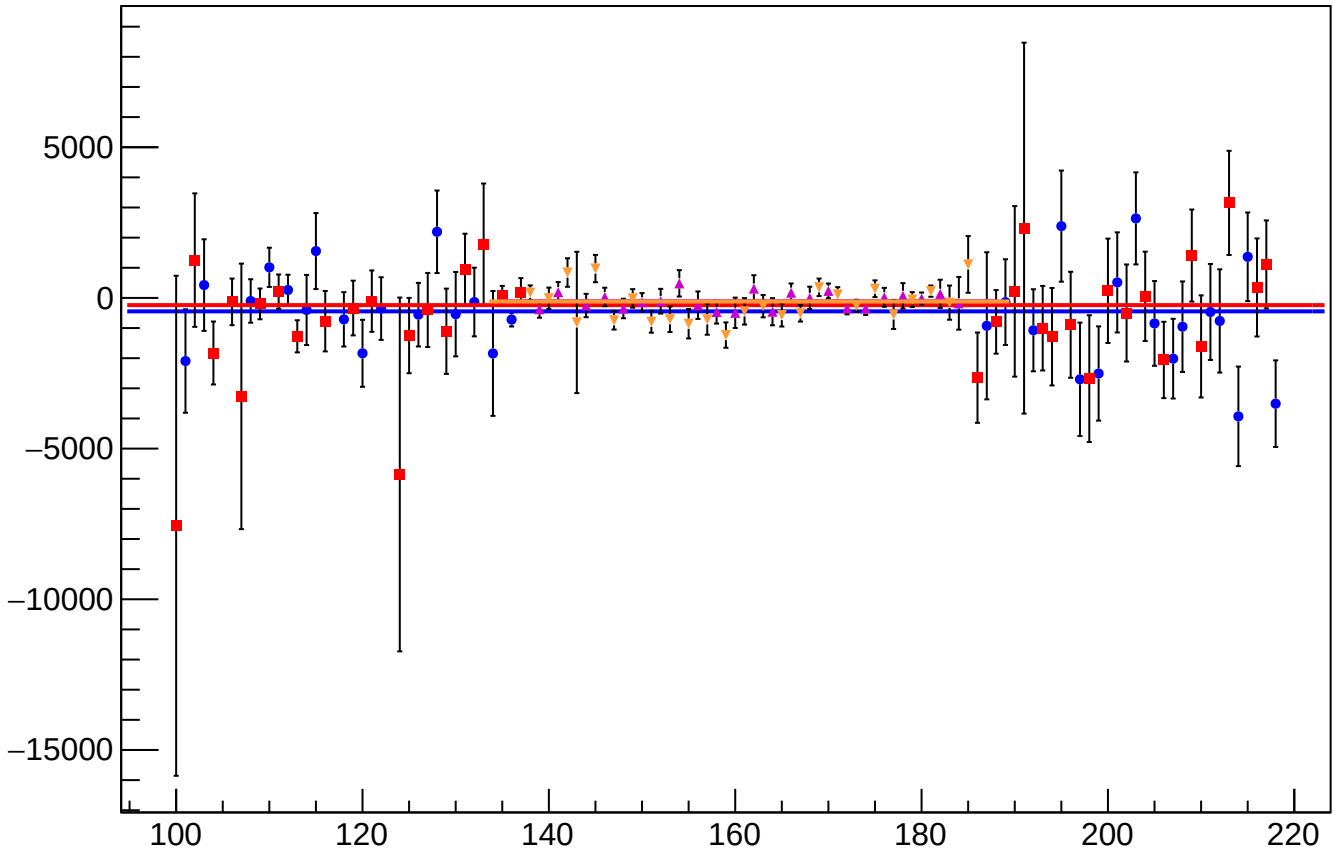
Right Out: 1283.769+/-0.203 χ^2/NDF: 508275.4/35

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

+ sign 1264.855+/-0.143 χ^2/NDF: 741911.0/56

All: 1265.102+/-0.102 χ^2/NDF: 1306821.1/11

- sign 1265.356+/-0.144 χ^2/NDF: 564904.1/58



Right In: -446.156+/-154.498 χ^2/NDF: 40.7/31

Left Out: -117.028+/-65.059 χ^2/NDF:48.4/24

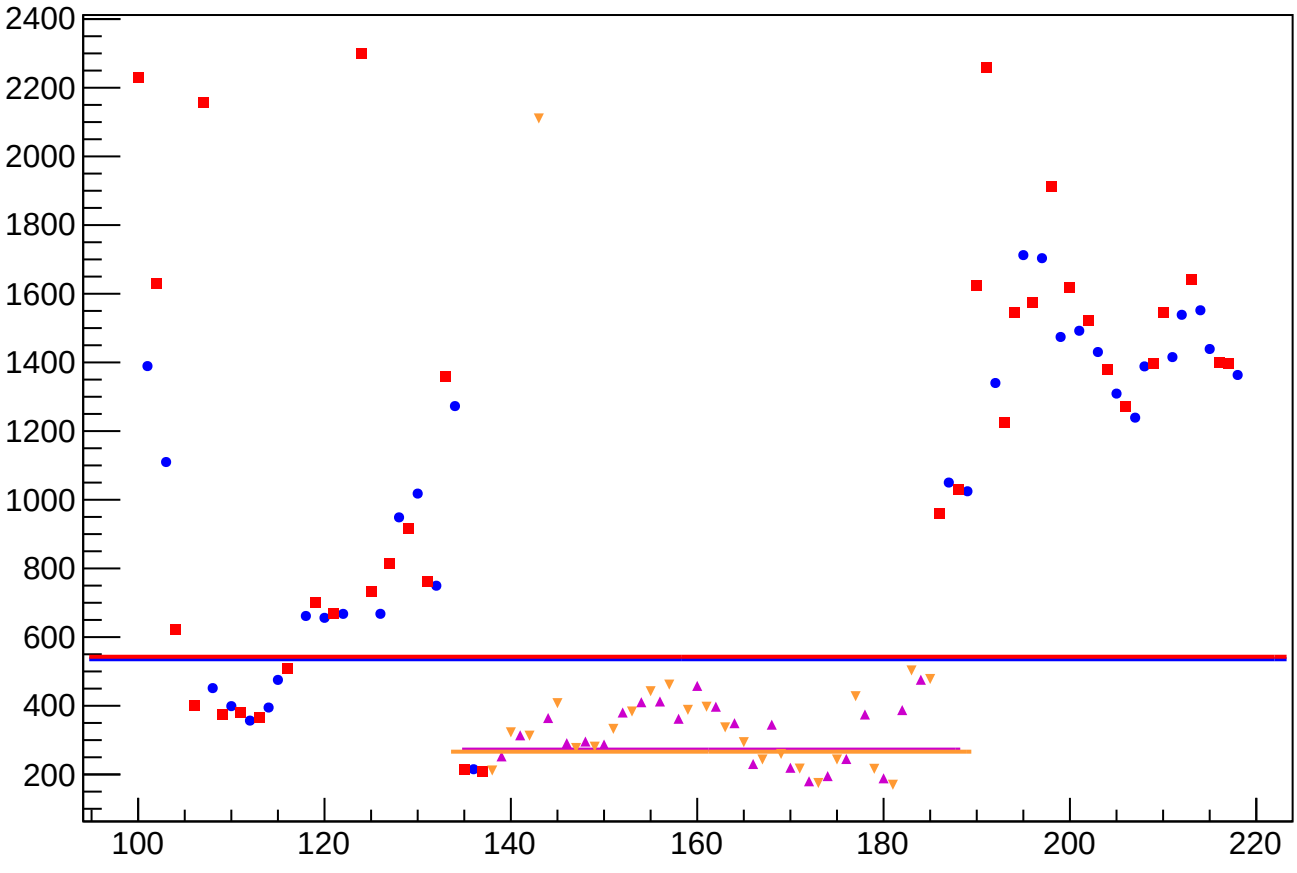
Right Out: -238.735+/-155.290 χ^2/NDF: 28.8/35

Left In: -107.341+/-67.001 χ^2/NDF:13.7/22

\+ sign -166.600+/-59.960 χ^2/NDF: 93.0/56

All: -147.777+/-42.939 χ^2/NDF: 136.4/115

\- sign -127.962+/-61.519 χ^2/NDF: 43.2/58



Right In: 535.490+/-0.109 χ^2/NDF: 15940026.7/31

Left Out: 266.321+/-0.046 χ^2/NDF:4630130.4/24

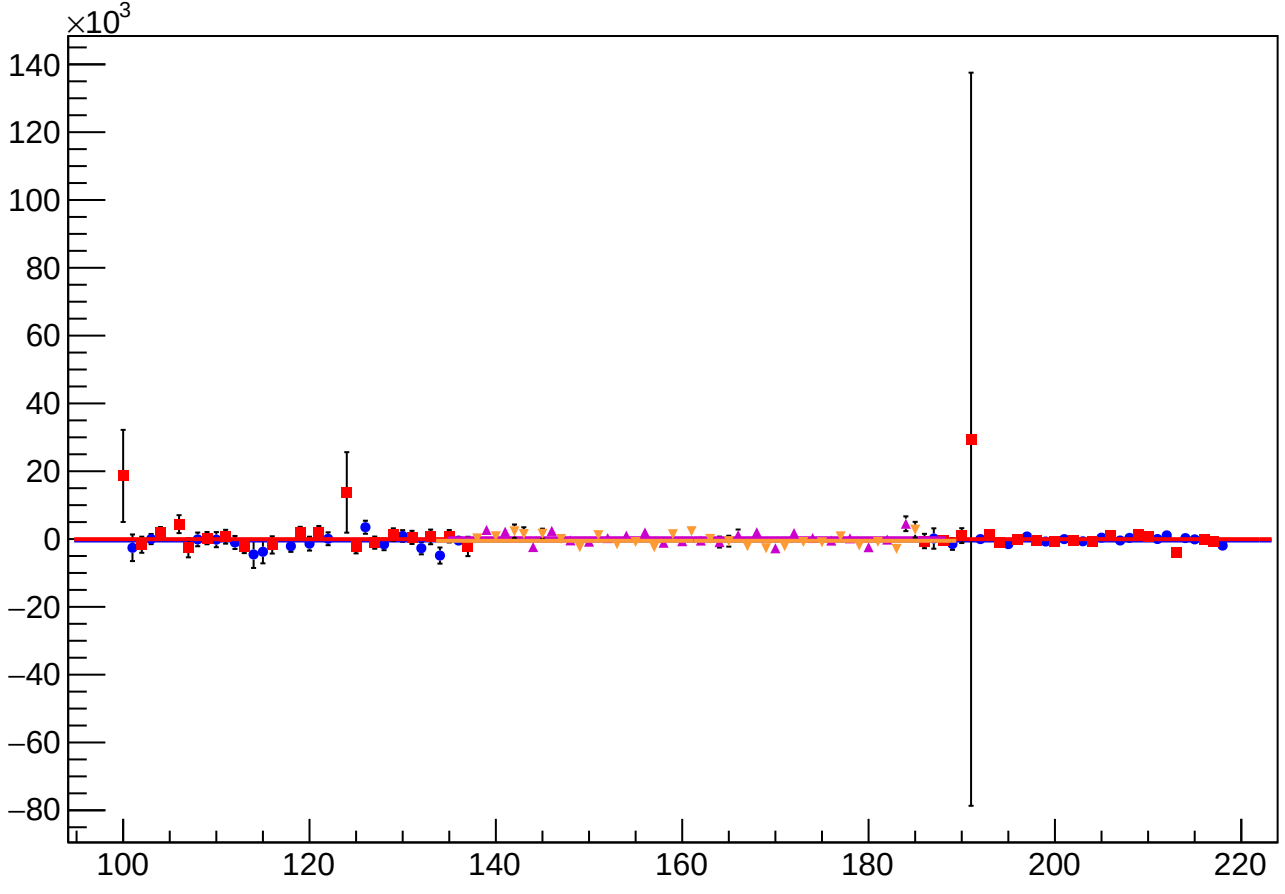
Right Out: 542.813+/-0.110 χ^2/NDF: 15813748.1/35

Left In: 272.368+/-0.047 χ^2/NDF:2887823.5/22

+ sign 306.862+/-0.042 χ^2/NDF: 25726441.6/56

All: 310.735+/-0.030 χ^2/NDF: 49559134.8/11

- sign 314.811+/-0.044 χ^2/NDF: 23815566.4/58



Right In: -430.733+/-285.473 χ^2/NDF: 19.5/31

Left Out: -514.430+/-285.945 χ^2/NDF:30.9/24

Right Out: -38.571+/-286.735 χ^2/NDF: 30.1/35

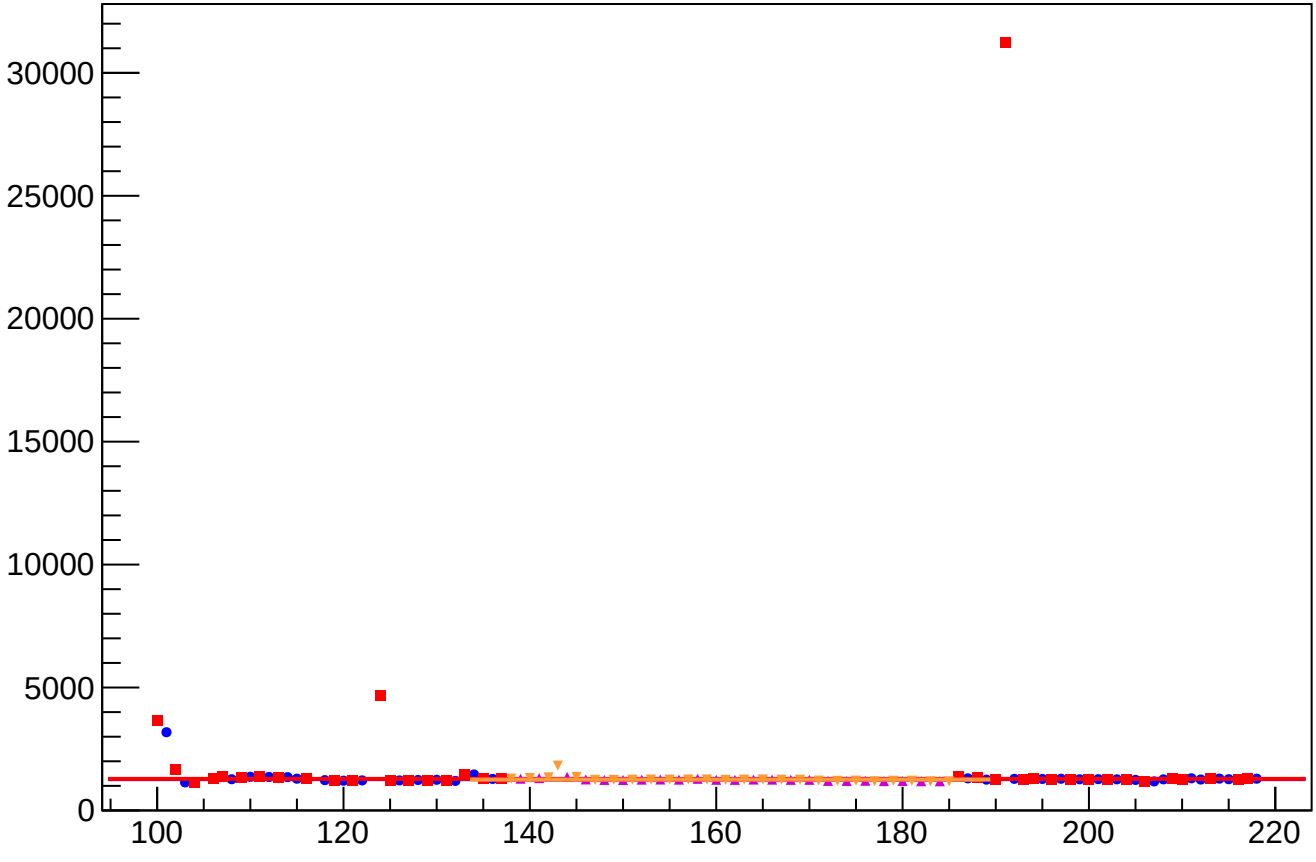
Left In: 242.663+/-291.166 χ^2/NDF:32.0/22

+ sign -472.512+/-202.027 χ^2/NDF: 50.5/56

All: -189.515+/-143.652 χ^2/NDF: 117.1/115

- sign 99.890+/-204.301 χ^2/NDF: 62.6/58

cor_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1274.165+/-0.202 χ^2/NDF: 534527.0/31

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.0/24

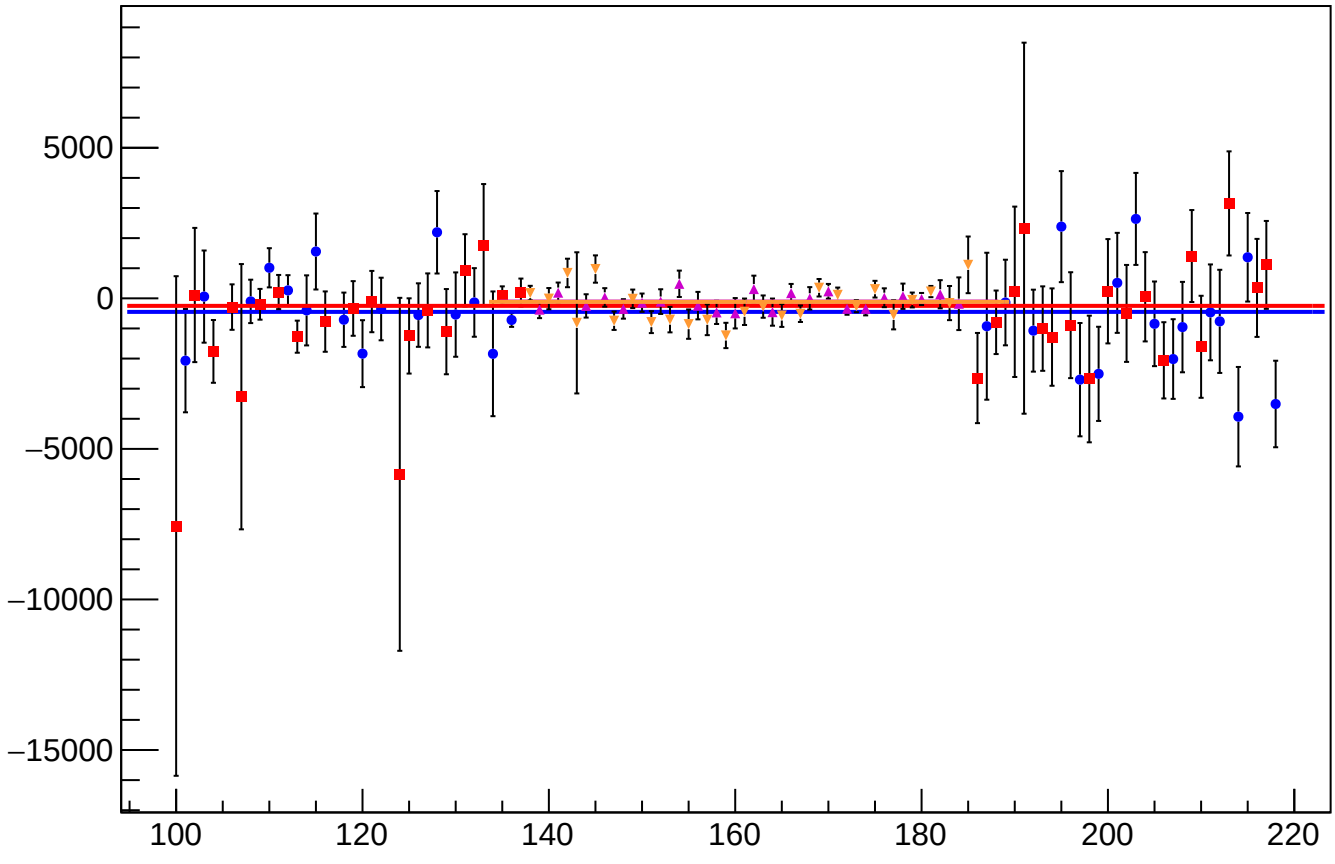
Right Out: 1284.265+/-0.203 χ^2/NDF: 508255.1/35

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

+ sign 1264.855+/-0.143 χ^2/NDF: 741912.3/56

All: 1265.223+/-0.102 χ^2/NDF: 1307250.1/11

- sign 1265.600+/-0.144 χ^2/NDF: 565324.3/58



Right In: -449.933+/-154.514 χ^2/NDF: 40.5/31

Left Out: -117.002+/-65.060 χ^2/NDF:48.4/24

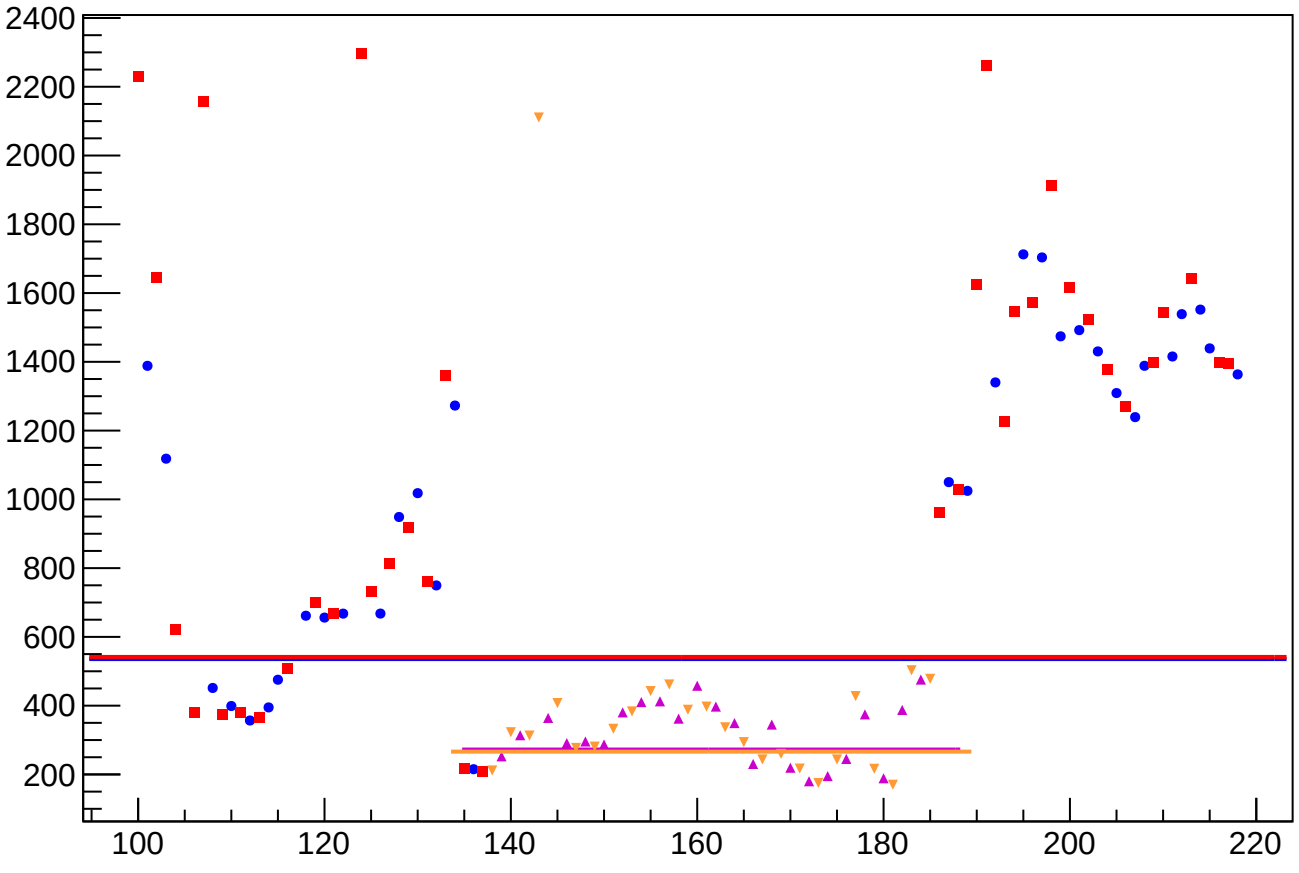
Right Out: -249.711+/-155.138 χ^2/NDF: 28.2/35

Left In: -107.459+/-67.003 χ^2/NDF:13.7/22

+ sign -167.140+/-59.962 χ^2/NDF: 92.9/56

All: -148.957+/-42.937 χ^2/NDF: 135.7/115

- sign -129.822+/-61.511 χ^2/NDF: 42.6/58



Right In: 535.514+/-0.109 χ^2/NDF: 15942969.3/31

Left Out: 266.326+/-0.046 χ^2/NDF:4630167.4/24

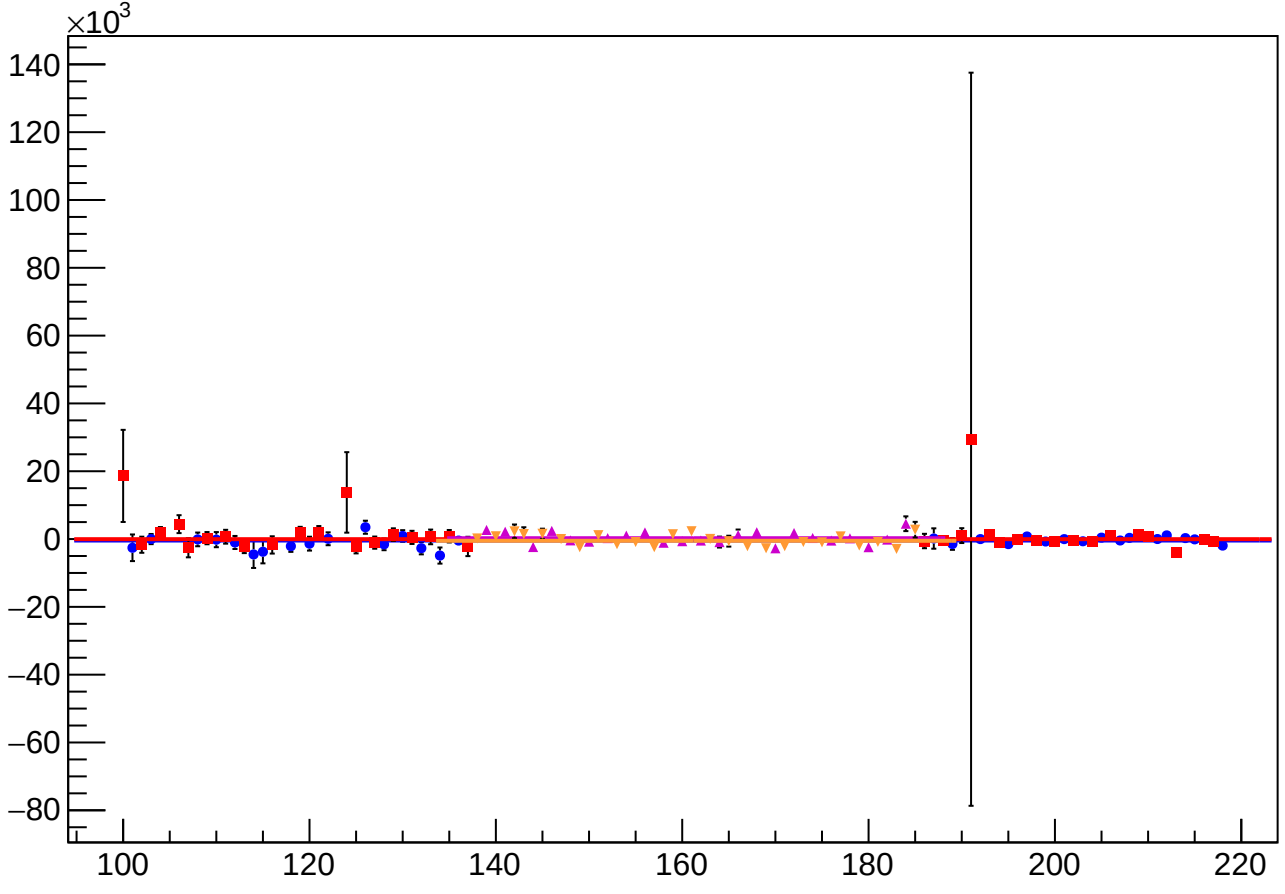
Right Out: 541.712+/-0.110 χ^2/NDF: 15844382.5/35

Left In: 272.378+/-0.047 χ^2/NDF:2887597.1/22

+ sign 306.865+/-0.042 χ^2/NDF: 25729220.7/56

All: 310.692+/-0.030 χ^2/NDF: 49558350.3/11

- sign 314.719+/-0.043 χ^2/NDF: 23812410.7/58



Right In: -430.733+/-285.473 χ^2/NDF: 19.5/31

Left Out: -514.430+/-285.945 χ^2/NDF:30.9/24

Right Out: -38.571+/-286.735 χ^2/NDF: 30.1/35

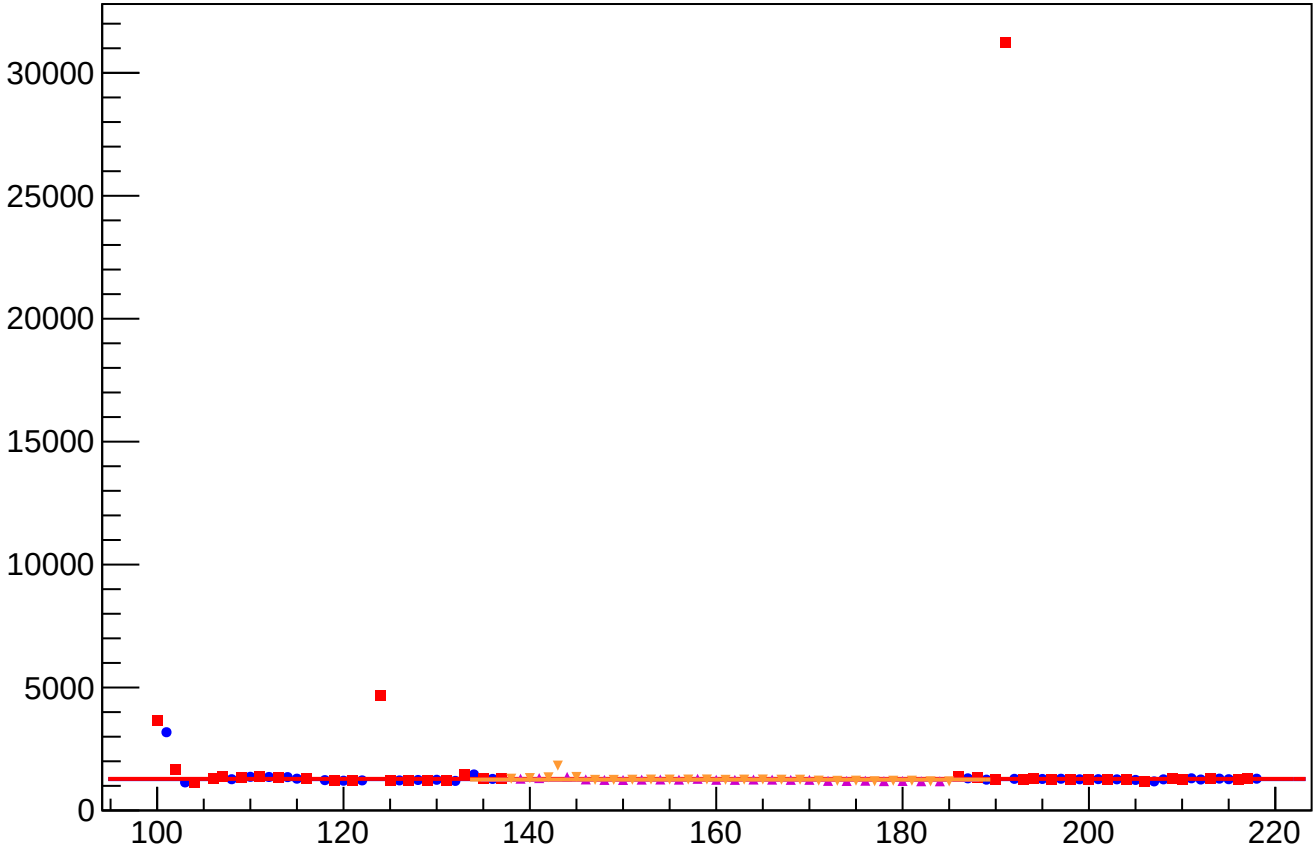
Left In: 242.663+/-291.166 χ^2/NDF:32.0/22

+ sign -472.512+/-202.027 χ^2/NDF: 50.5/56

All: -189.515+/-143.652 χ^2/NDF: 117.1/115

- sign 99.890+/-204.301 χ^2/NDF: 62.6/58

eigen_cor_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1274.165+/-0.202 χ^2/NDF: 534527.0/31

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.0/24

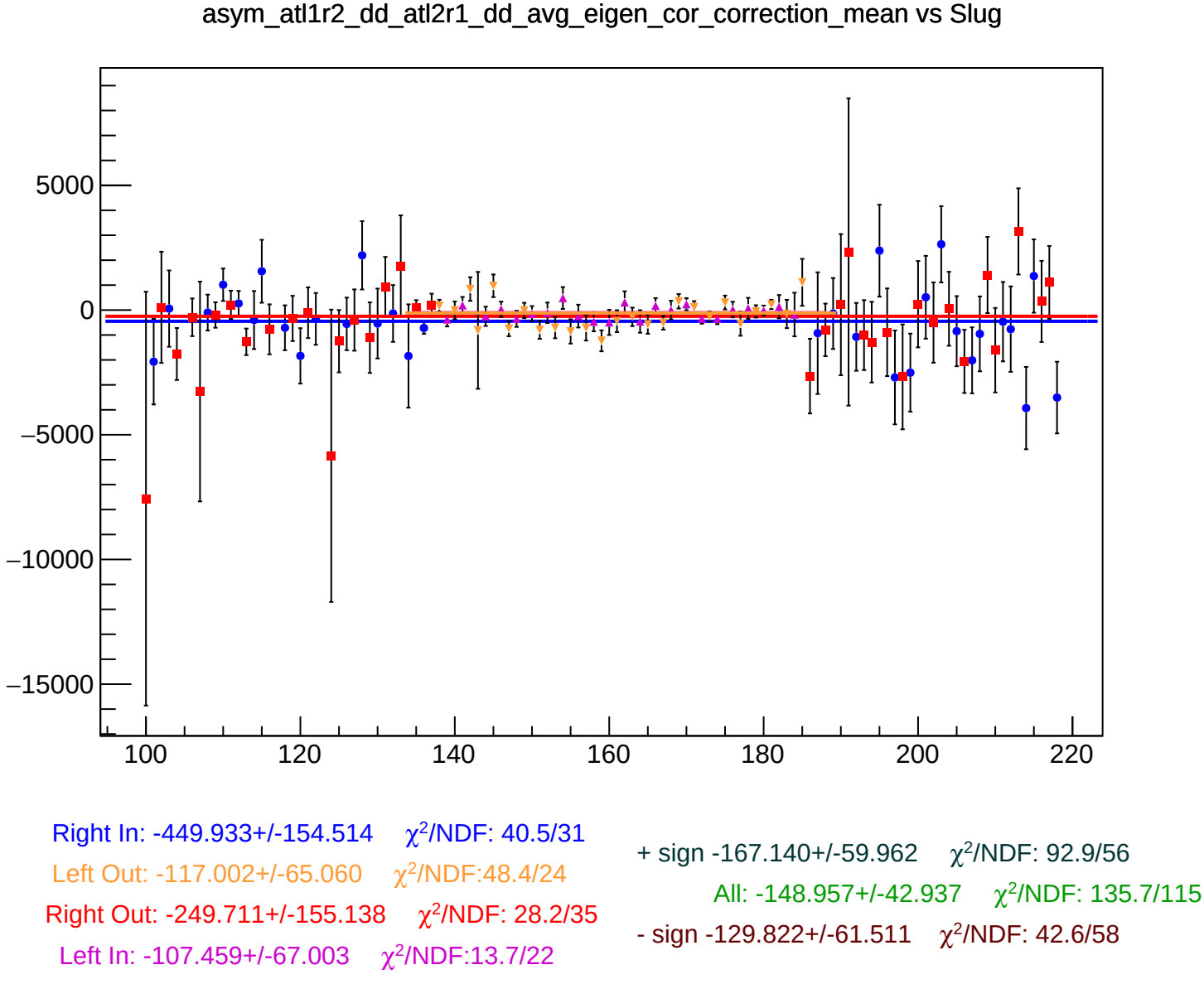
Right Out: 1284.265+/-0.203 χ^2/NDF: 508255.1/35

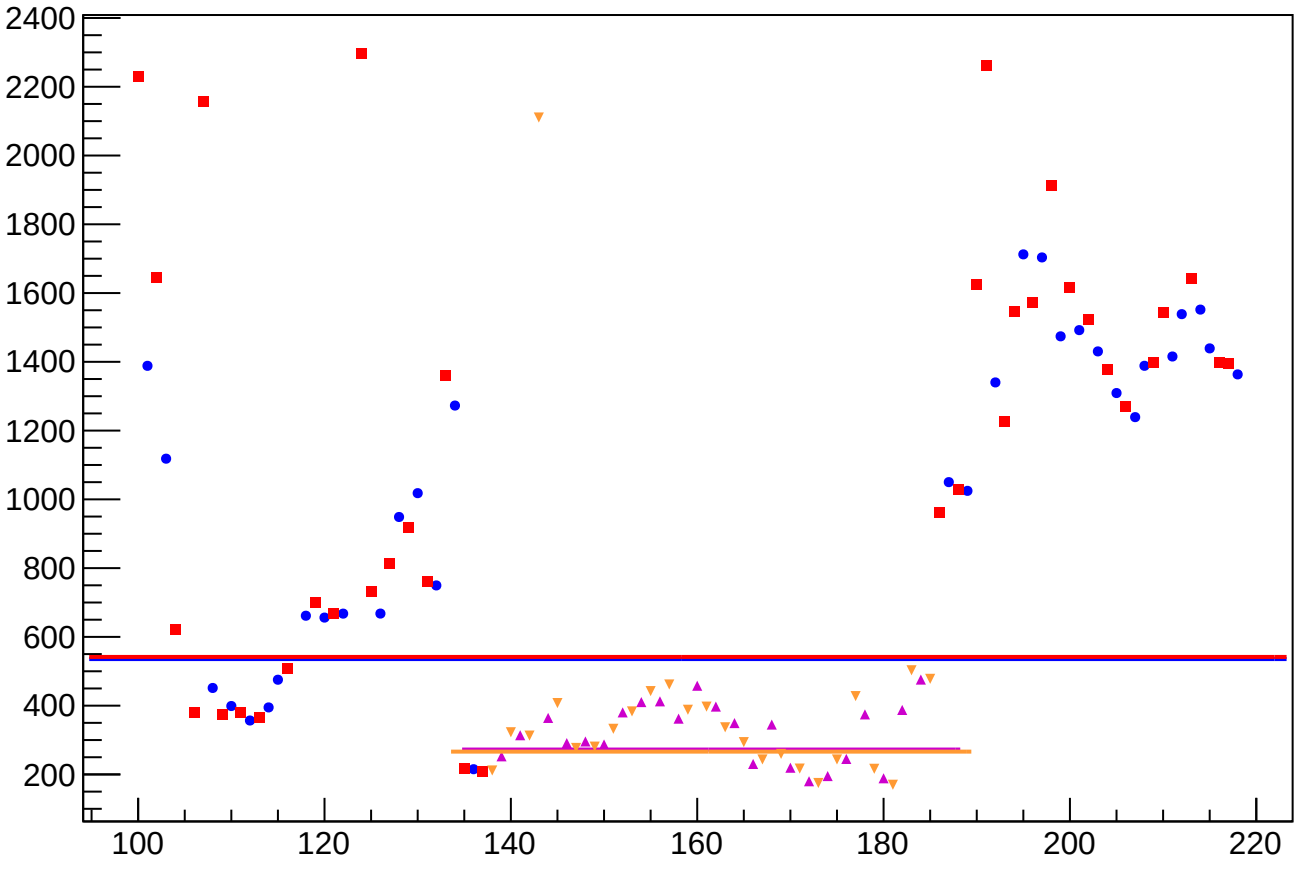
Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

+ sign 1264.855+/-0.143 χ^2/NDF: 741912.3/56

All: 1265.223+/-0.102 χ^2/NDF: 1307250.1/11

- sign 1265.600+/-0.144 χ^2/NDF: 565324.3/58


asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_correction_mean vs Slug
5000
0
−5000
−10000
−15000
100
120
140
160
180
200
220
Right In: -449.933+/-154.514 χ²/NDF: 40.5/31
Left Out: -117.002+/-65.060 χ²/NDF:48.4/24
Right Out: -249.711+/-155.138 χ²/NDF: 28.2/35
Left In: -107.459+/-67.003 χ²/NDF:13.7/22
+ sign -167.140+/-59.962 χ²/NDF: 92.9/56
All: -148.957+/-42.937 χ²/NDF: 135.7/115
- sign -129.822+/-61.511 χ²/NDF: 42.6/58



Right In: 535.514+/-0.109 χ^2/NDF: 15942969.3/31

Left Out: 266.326+/-0.046 χ^2/NDF:4630167.4/24

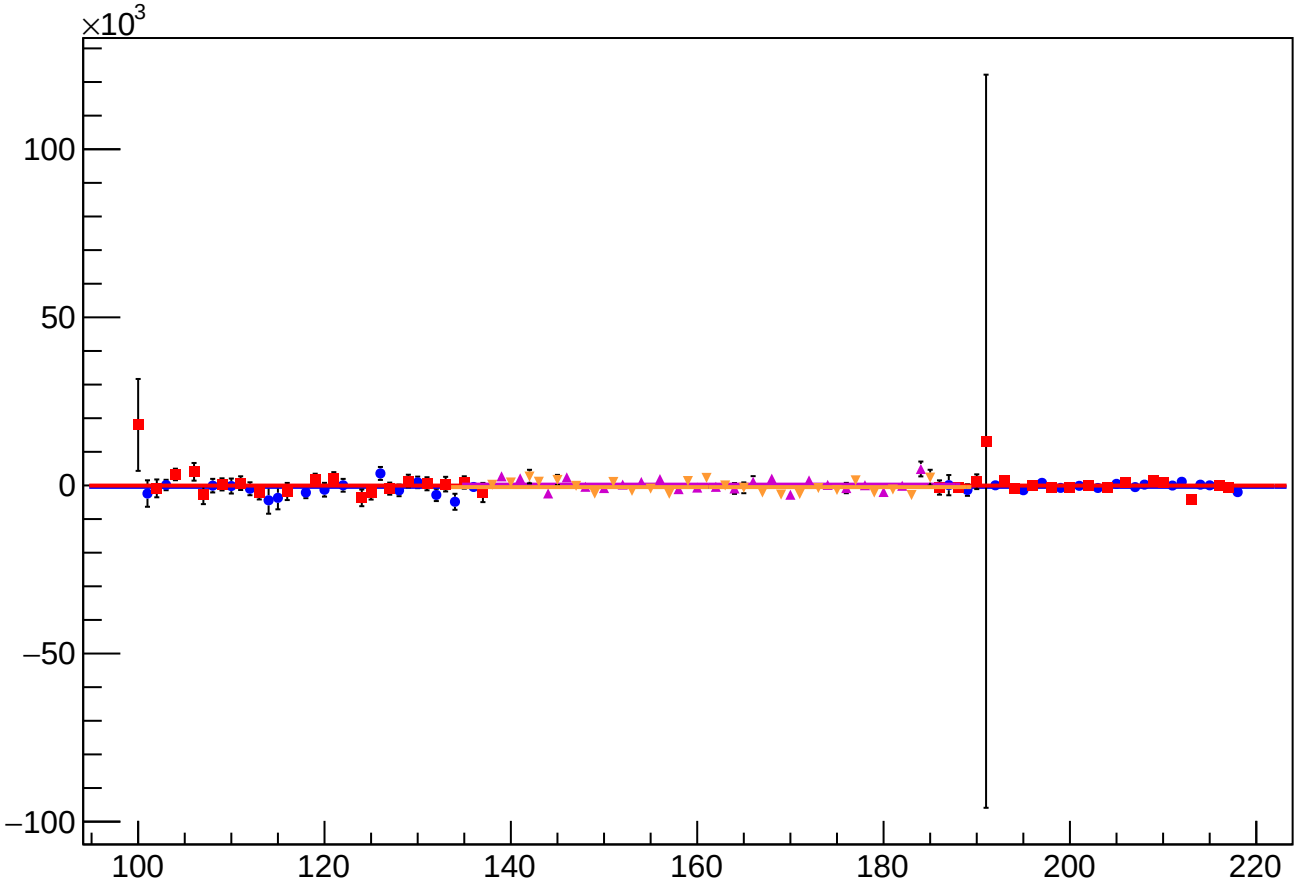
Right Out: 541.712+/-0.110 χ^2/NDF: 15844382.5/35

Left In: 272.378+/-0.047 χ^2/NDF:2887597.1/22

+ sign 306.865+/-0.042 χ^2/NDF: 25729220.7/56

All: 310.692+/-0.030 χ^2/NDF: 49558350.3/11

- sign 314.719+/-0.043 χ^2/NDF: 23812410.7/58



Right In: -425.123+/-286.211 χ^2/NDF: 19.6/31

Left Out: -493.436+/-282.734 χ^2/NDF:34.2/24

Right Out: -39.237+/-286.290 χ^2/NDF: 32.0/35

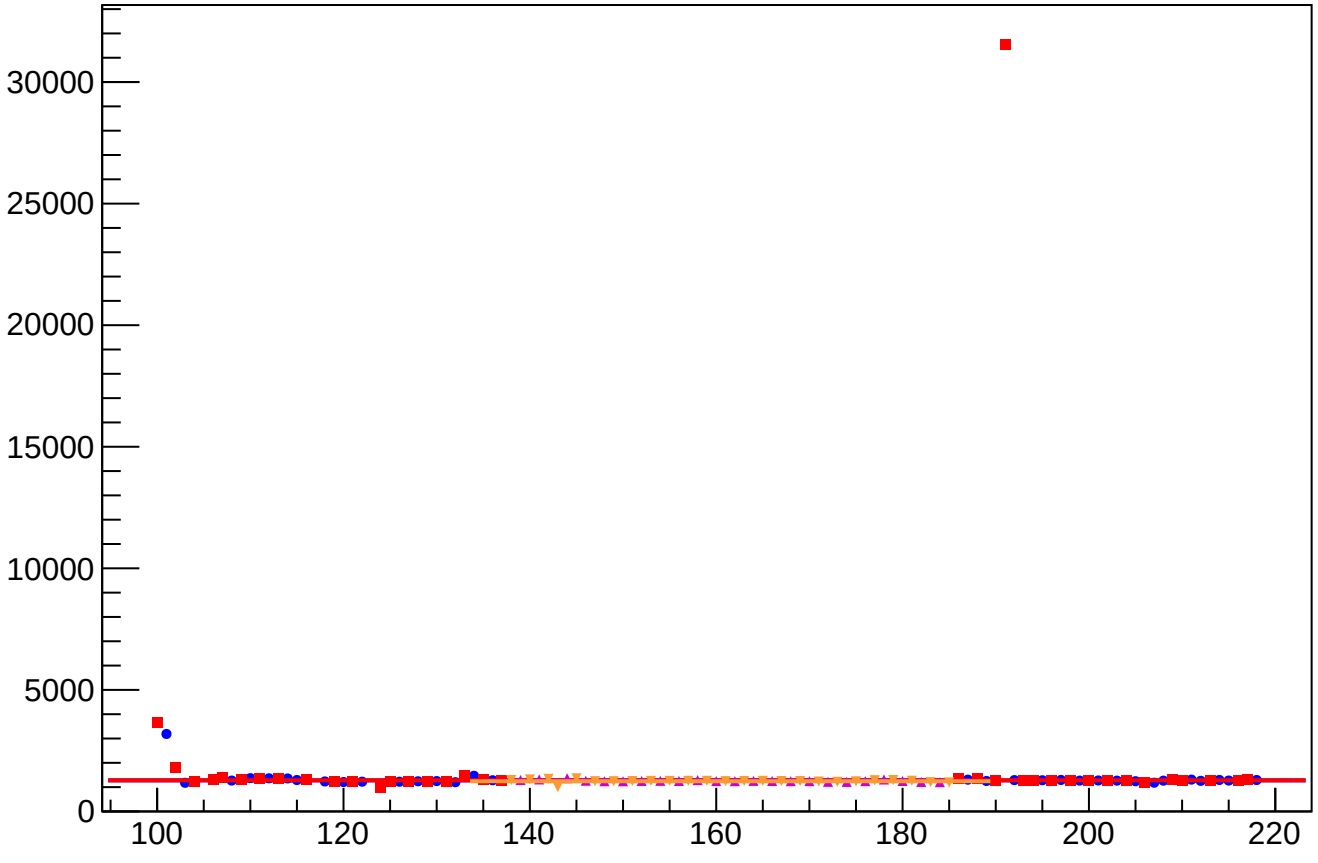
Left In: 242.004+/-294.339 χ^2/NDF:30.7/22

+ sign -459.697+/-201.141 χ^2/NDF: 53.8/56

All: -186.704+/-143.650 χ^2/NDF: 120.8/115

- sign 97.485+/-205.224 χ^2/NDF: 63.2/58

dit_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1277.529+/-0.202 χ^2/NDF: 527045.1/31

Left Out: 1242.539+/-0.200 χ^2/NDF:130023.1/24

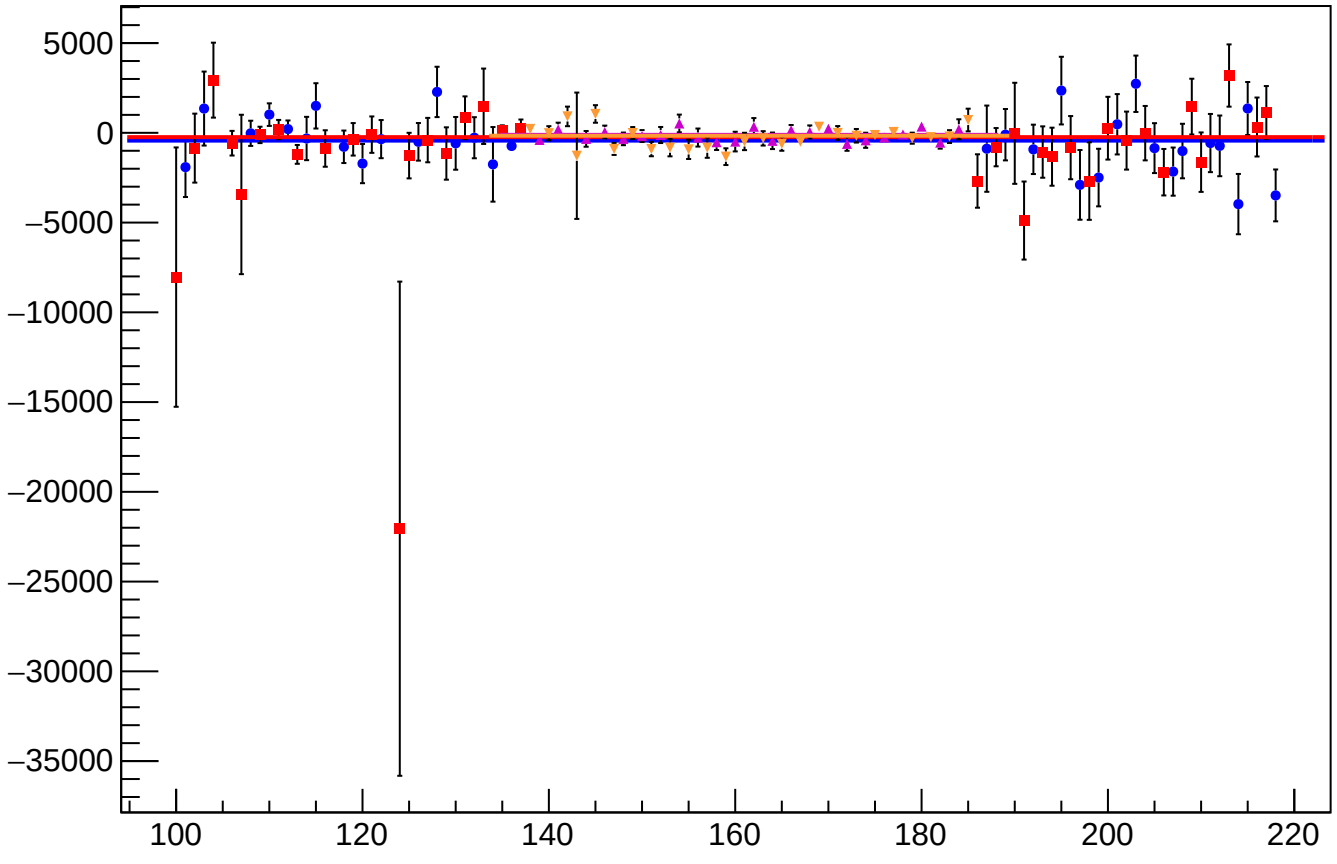
Right Out: 1282.328+/-0.202 χ^2/NDF: 388682.7/35

Left In: 1260.094+/-0.208 χ^2/NDF:27932.1/22

+ sign 1259.820+/-0.142 χ^2/NDF: 672196.1/56

All: 1265.552+/-0.102 χ^2/NDF: 1097989.8/11

- sign 1271.519+/-0.145 χ^2/NDF: 422479.0/58



Right In: -433.713+/-156.119 χ^2/NDF: 41.0/31

Left Out: -160.930+/-64.133 χ^2/NDF:43.8/24

Right Out: -240.820+/-155.221 χ^2/NDF: 35.0/35

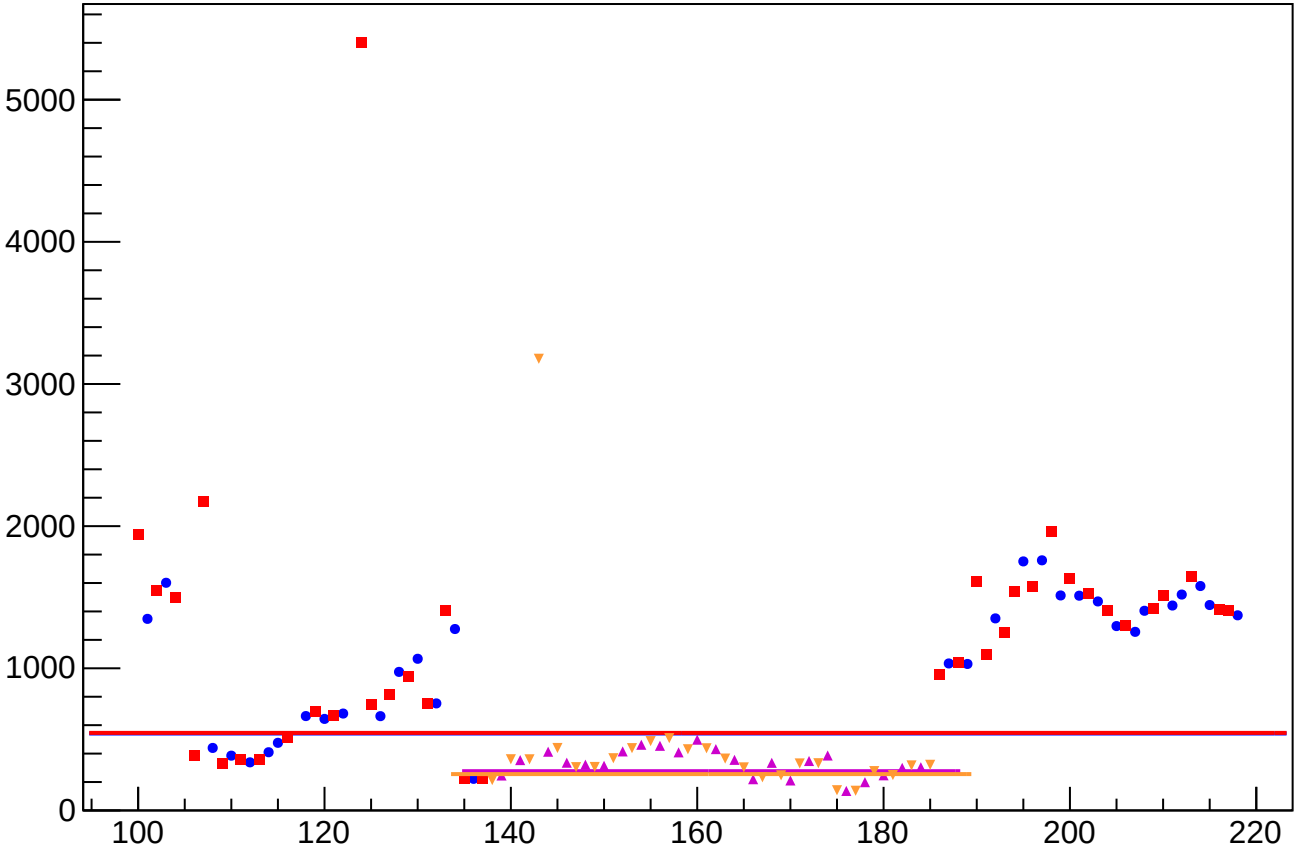
Left In: -113.722+/-68.841 χ^2/NDF:18.2/22

+ sign -200.316+/-59.322 χ^2/NDF: 87.3/56

All: -169.401+/-43.166 χ^2/NDF: 141.7/115

- sign -134.612+/-62.929 χ^2/NDF: 53.8/58

asym_atl1r2_dd_atl2r1_dd_avg_dit_correction_rms vs Slug



Right In: 541.429+/-0.110 χ^2/NDF: 16077659.3/31

Left Out: 255.768+/-0.045 χ^2/NDF:6373929.4/24

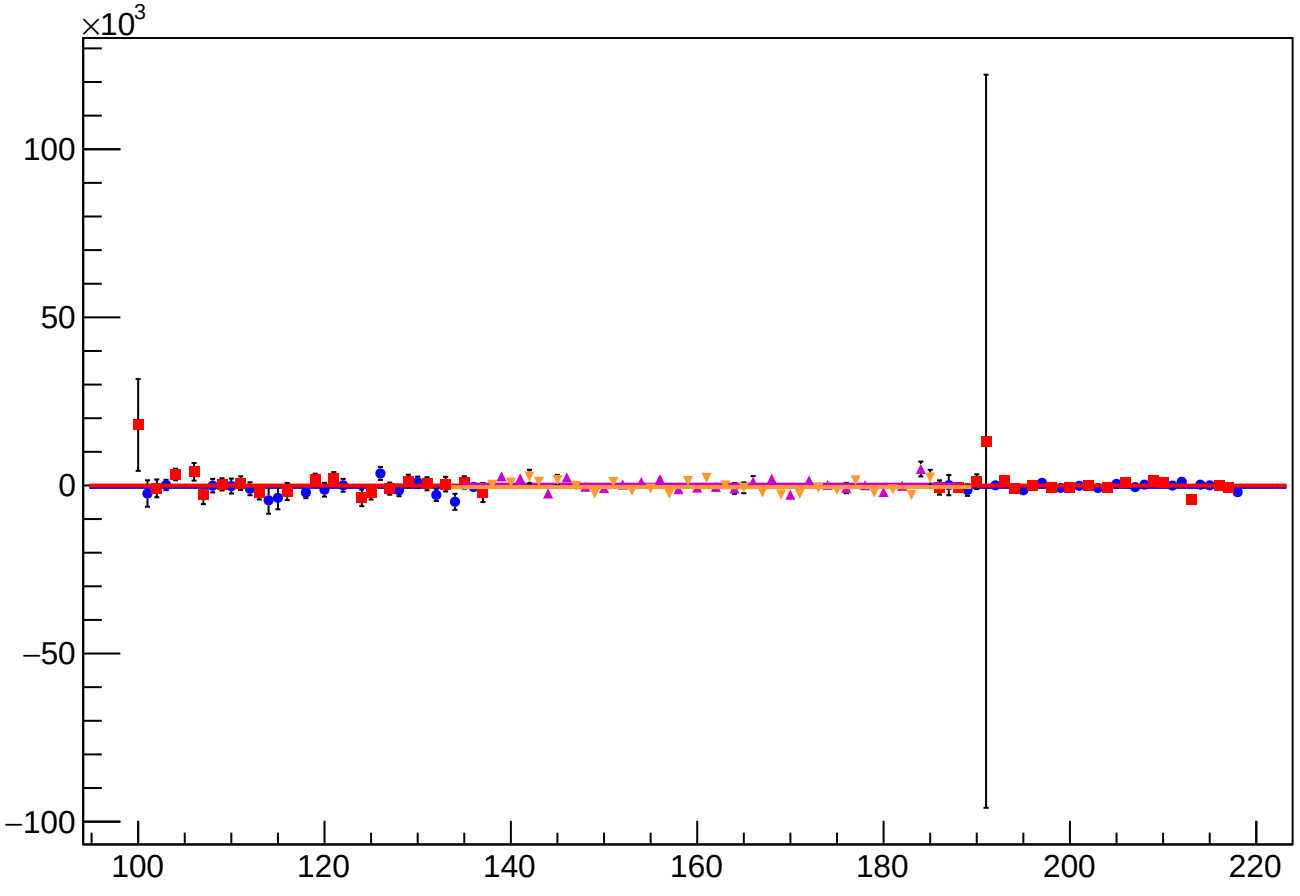
Right Out: 545.650+/-0.110 χ^2/NDF: 16355148.3/35

Left In: 276.298+/-0.049 χ^2/NDF:4027410.5/22

+ sign 297.014+/-0.042 χ^2/NDF: 28180819.2/56

All: 308.097+/-0.031 χ^2/NDF: 53744301.6/11

- sign 320.570+/-0.044 χ^2/NDF: 25415095.5/58



Right In: -425.121+/-286.211 χ^2/NDF: 19.6/31

Left Out: -493.435+/-282.734 χ^2/NDF:34.2/24

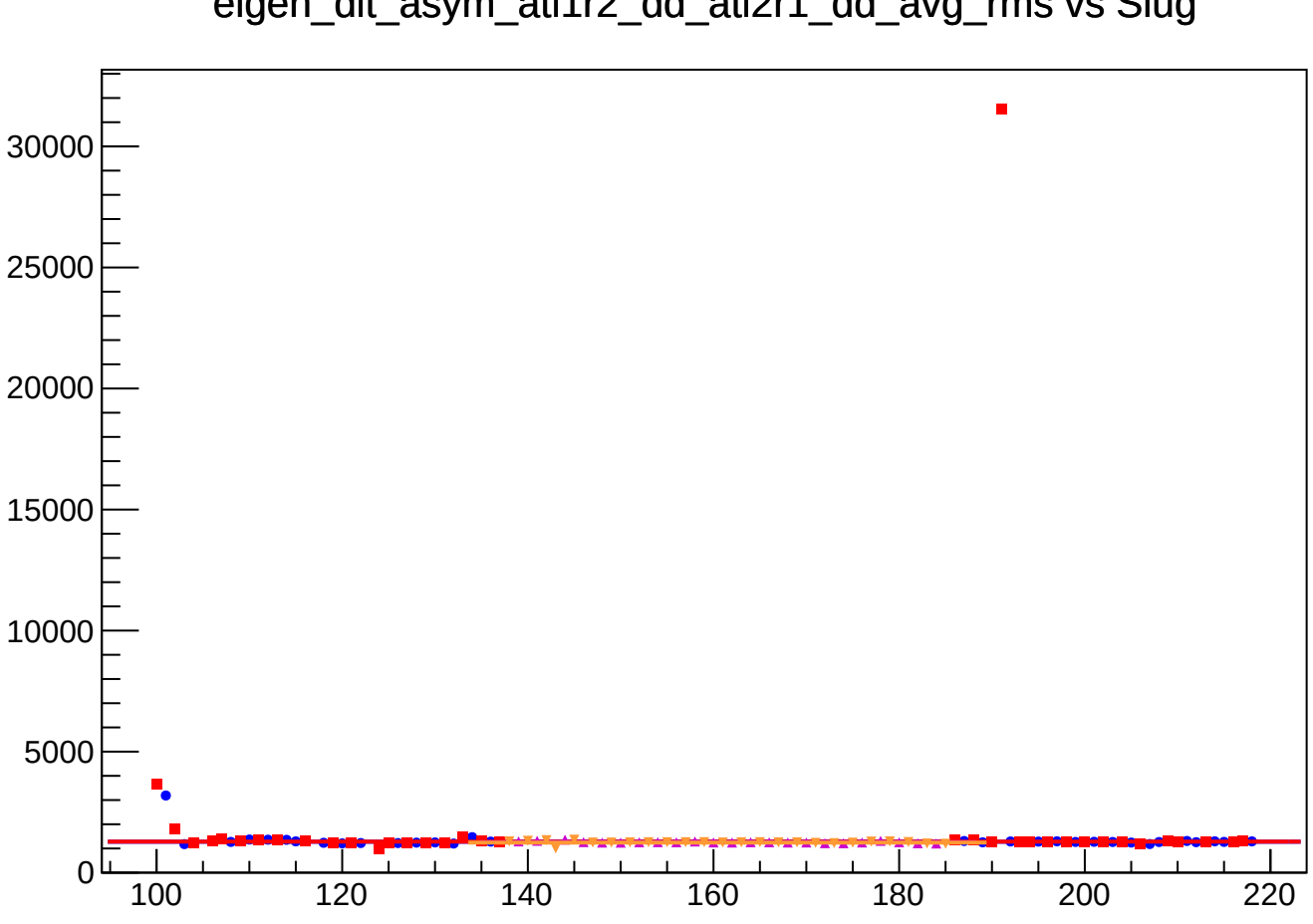
Right Out: -39.236+/-286.290 χ^2/NDF: 32.0/35

Left In: 242.004+/-294.339 χ^2/NDF:30.7/22

+ sign -459.696+/-201.141 χ^2/NDF: 53.8/56

All: -186.703+/-143.650 χ^2/NDF: 120.8/115

- sign 97.486+/-205.224 χ^2/NDF: 63.2/58



Right In: 1277.529+/-0.202 χ^2/NDF: 527045.1/31

Left Out: 1242.539+/-0.200 χ^2/NDF:130022.2/24

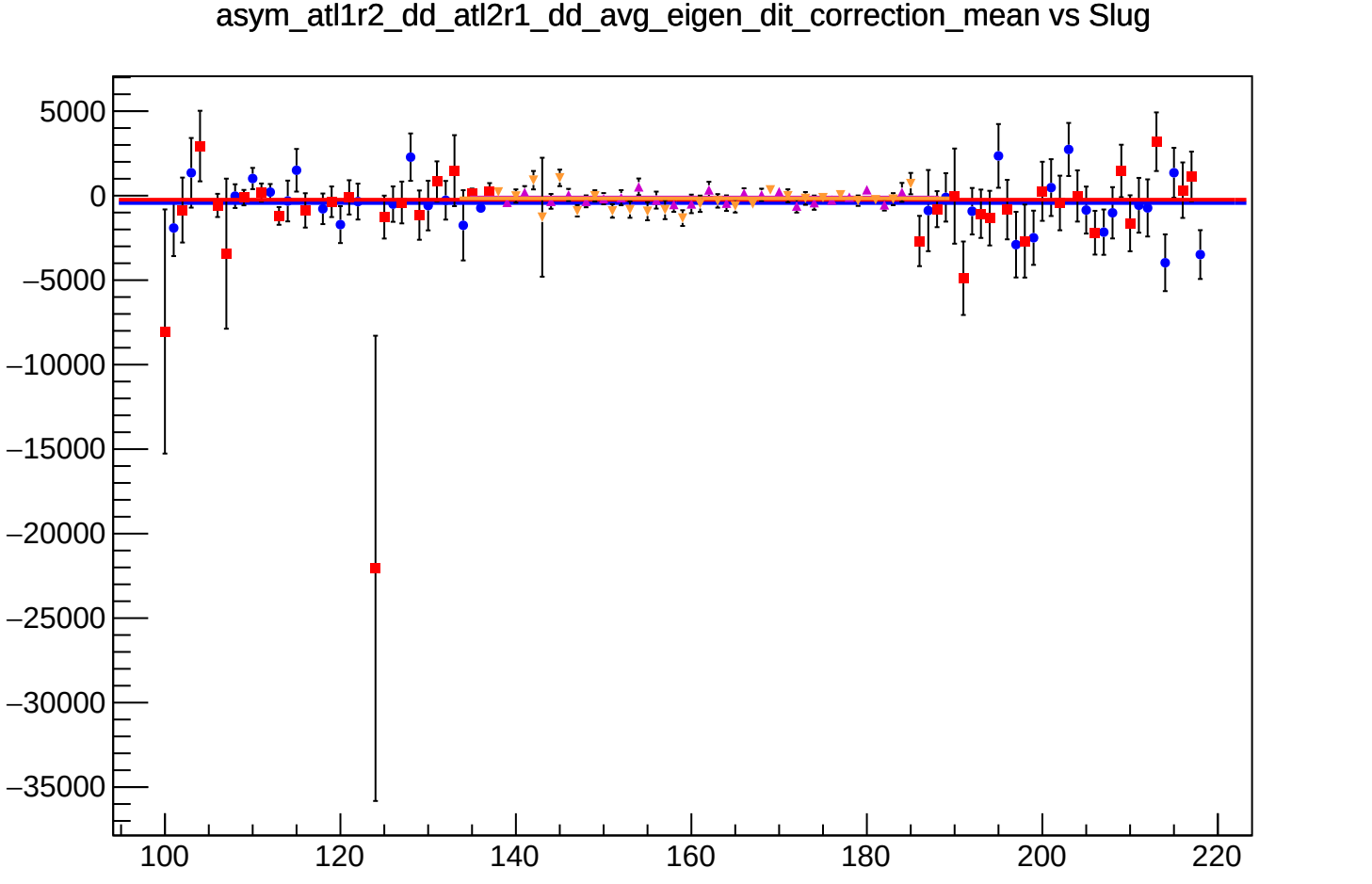
Right Out: 1282.327+/-0.202 χ^2/NDF: 388683.0/35

Left In: 1260.094+/-0.208 χ^2/NDF:27932.2/22

+ sign 1259.820+/-0.142 χ^2/NDF: 672195.2/56

All: 1265.552+/-0.102 χ^2/NDF: 1097989.3/11

- sign 1271.519+/-0.145 χ^2/NDF: 422479.4/58



Right In: -433.716+/-156.121 χ^2/NDF: 41.0/31

Left Out: -160.933+/-64.133 χ^2/NDF:43.8/24

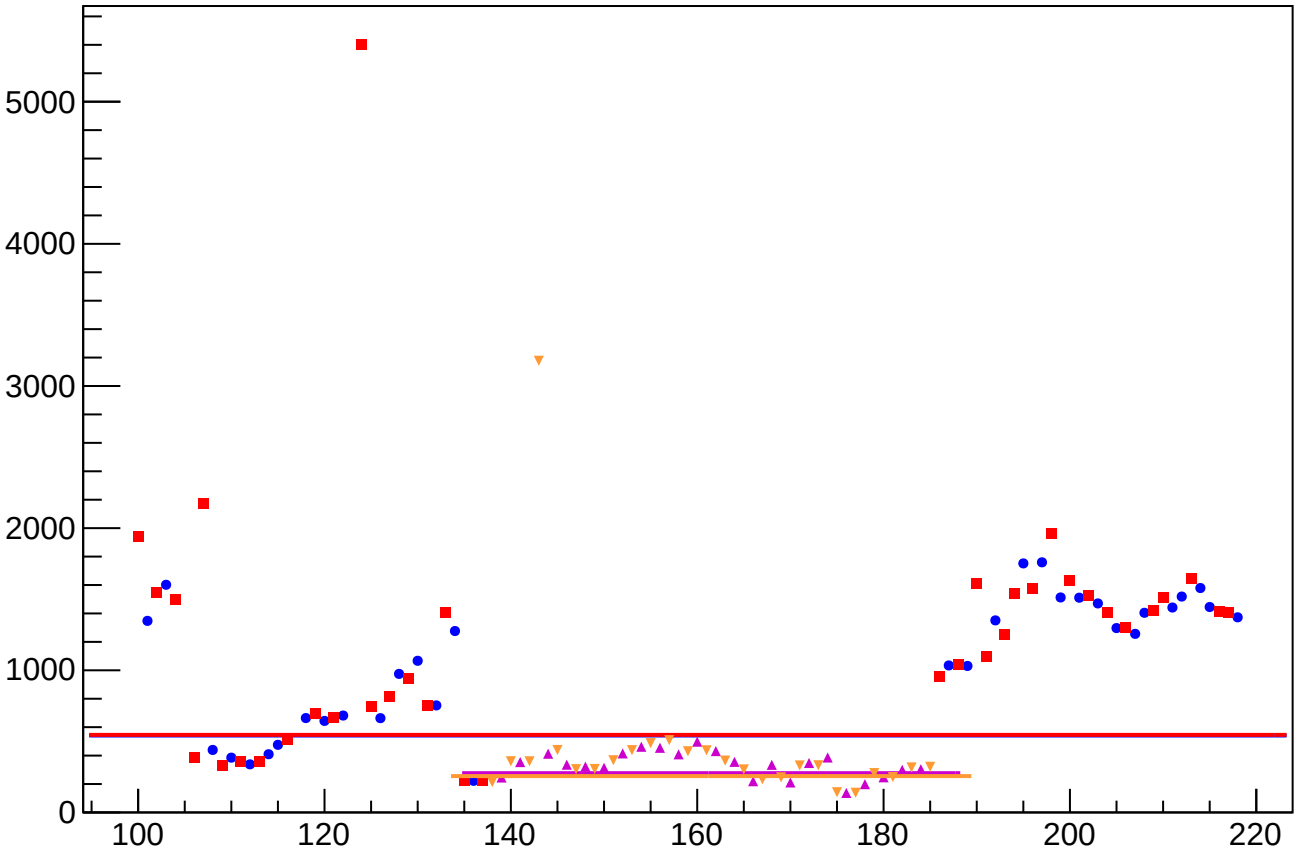
Right Out: -240.827+/-155.223 χ^2/NDF: 35.0/35

Left In: -113.720+/-68.841 χ^2/NDF:18.2/22

+ sign -200.318+/-59.323 χ^2/NDF: 87.3/56

All: -169.402+/-43.166 χ^2/NDF: 141.7/115

- sign -134.611+/-62.930 χ^2/NDF: 53.8/58



Right In: 541.442+/-0.110 χ^2/NDF: 16077189.3/31

Left Out: 255.770+/-0.045 χ^2/NDF:6373829.7/24

Right Out: 545.661+/-0.110 χ^2/NDF: 16354804.0/35

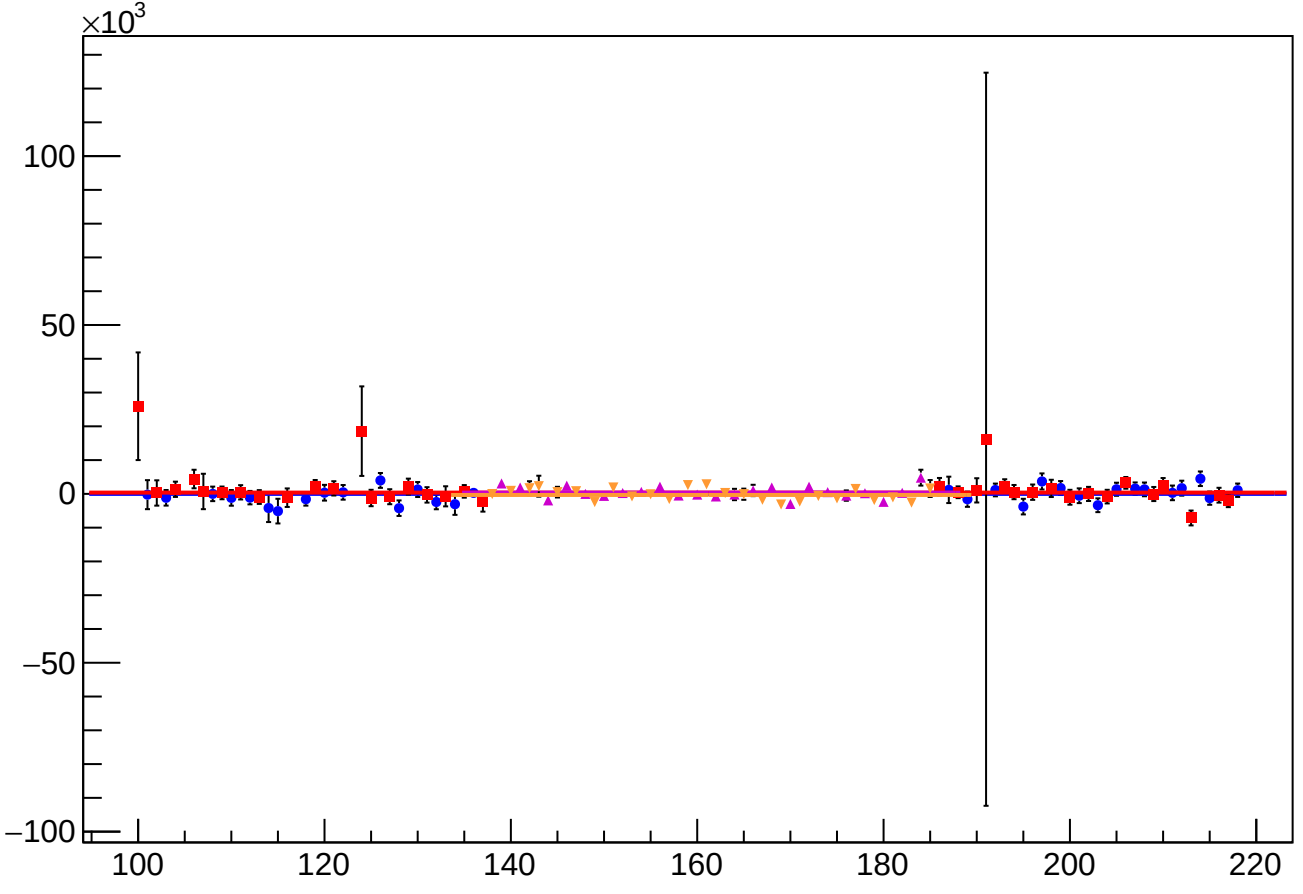
Left In: 276.299+/-0.049 χ^2/NDF:4027371.0/22

+ sign 297.016+/-0.042 χ^2/NDF: 28180575.6/56

All: 308.099+/-0.031 χ^2/NDF: 53743924.0/11

- sign 320.571+/-0.044 χ^2/NDF: 25414974.5/58

asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug



Right In: -3.835+/-386.837 χ^2/NDF: 30.5/31

Left Out: -319.744+/-298.271 χ^2/NDF:31.6/24

Right Out: 376.597+/-389.381 χ^2/NDF: 30.7/35

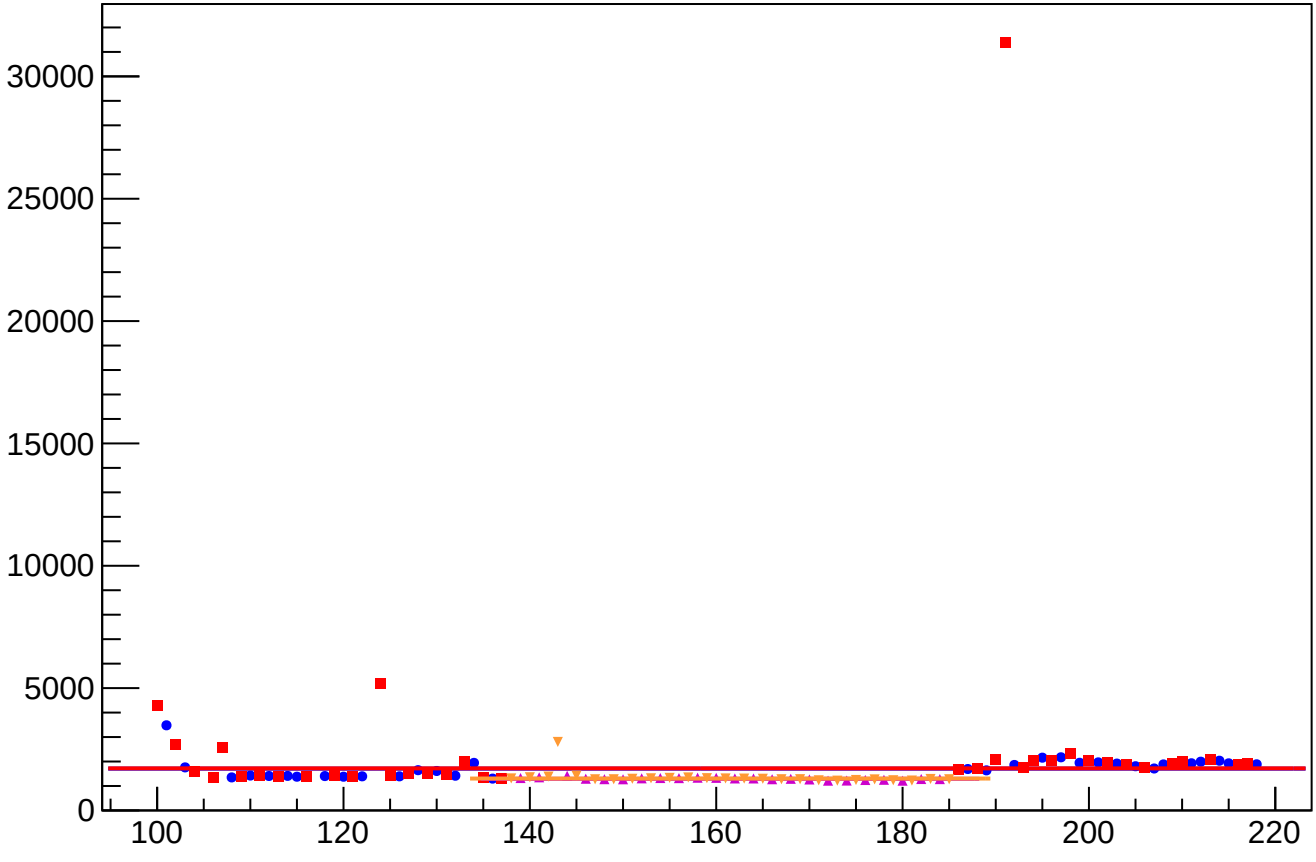
Left In: 356.387+/-301.902 χ^2/NDF:29.7/22

+ sign -201.957+/-236.209 χ^2/NDF: 62.5/56

All: 78.172+/-167.860 χ^2/NDF: 125.7/115

- sign 363.975+/-238.589 χ^2/NDF: 60.4/58

asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1708.263+/-0.274 χ^2/NDF: 1296769.5/31

Left Out: 1304.156+/-0.211 χ^2/NDF:519609.1/24

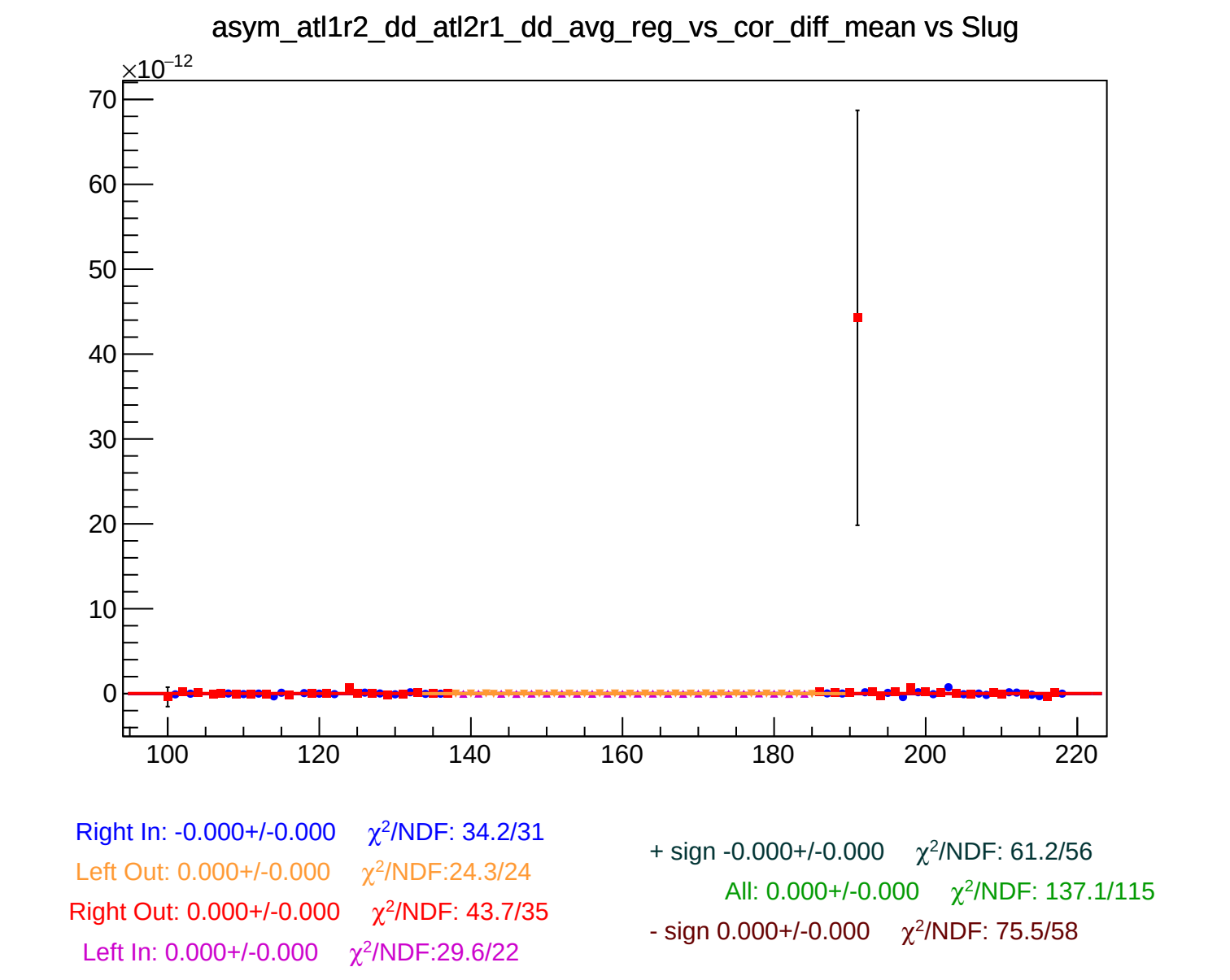
Right Out: 1720.339+/-0.275 χ^2/NDF: 1537129.1/35

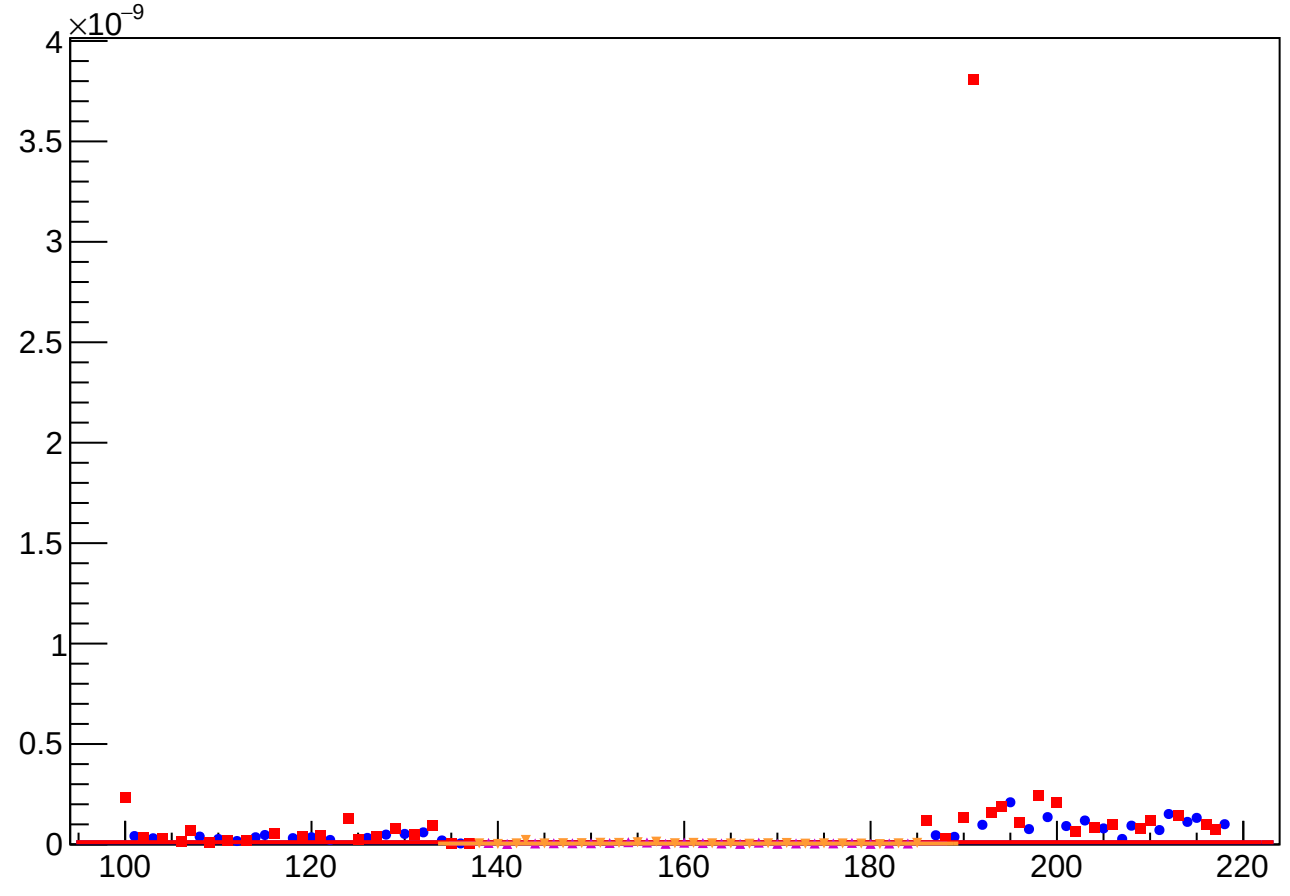
Left In: 1292.123+/-0.213 χ^2/NDF:48343.1/22

+ sign 1454.828+/-0.167 χ^2/NDF: 3185172.5/56

All: 1453.872+/-0.119 χ^2/NDF: 6281403.9/11

- sign 1452.897+/-0.169 χ^2/NDF: 3096165.2/58


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
200
220
Right In: -0.000+/-0.000 χ²/NDF: 34.2/31
Left Out: 0.000+/-0.000 χ²/NDF:24.3/24
Right Out: 0.000+/-0.000 χ²/NDF: 43.7/35
Left In: 0.000+/-0.000 χ²/NDF:29.6/22
+ sign -0.000+/-0.000 χ²/NDF: 61.2/56
All: 0.000+/-0.000 χ²/NDF: 137.1/115
- sign 0.000+/-0.000 χ²/NDF: 75.5/58



Right In: 0.000+/-0.000 χ^2/NDF: 10777670.4/31

Left Out: 0.000+/-0.000 χ^2/NDF:2715297.7/24

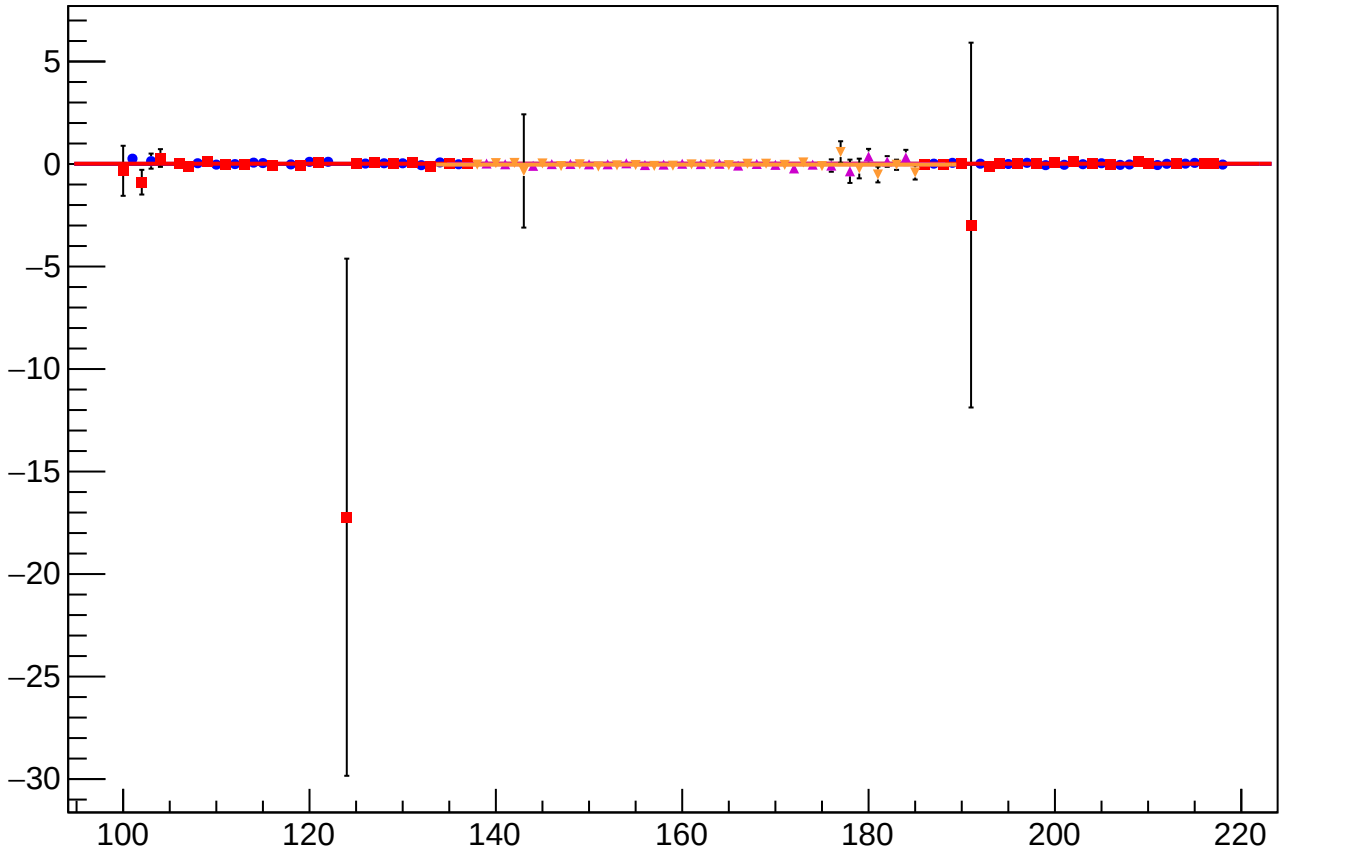
Right Out: 0.000+/-0.000 χ^2/NDF: 12261856.5/35

Left In: 0.000+/-0.000 χ^2/NDF:1884808.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 14885456.3/56

All: 0.000+/-0.000 χ^2/NDF: 30383817.8/115

- sign 0.000+/-0.000 χ^2/NDF: 15473714.8/58



Right In: 0.007+/-0.010 χ^2/NDF: 19.2/31

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

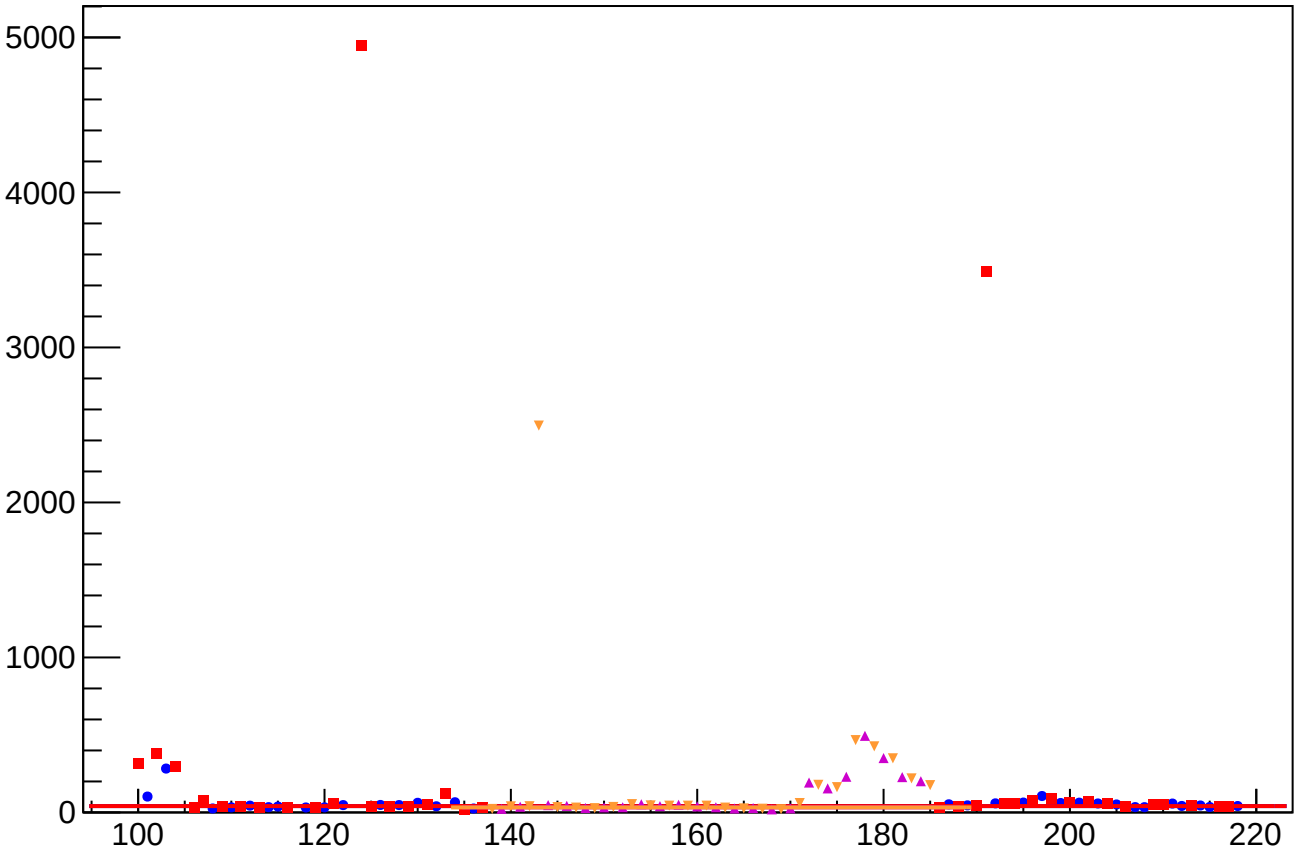
Right Out: 0.015+/-0.010 χ^2/NDF: 27.2/35

Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

+ sign -0.012+/-0.007 χ^2/NDF: 53.4/56

All: -0.005+/-0.005 χ^2/NDF: 98.9/115

- sign 0.001+/-0.007 χ^2/NDF: 43.8/58



Right In: 41.228+/-0.007 χ^2/NDF: 4315175.4/31

Left Out: 32.551+/-0.007 χ^2/NDF:10871758.1/24

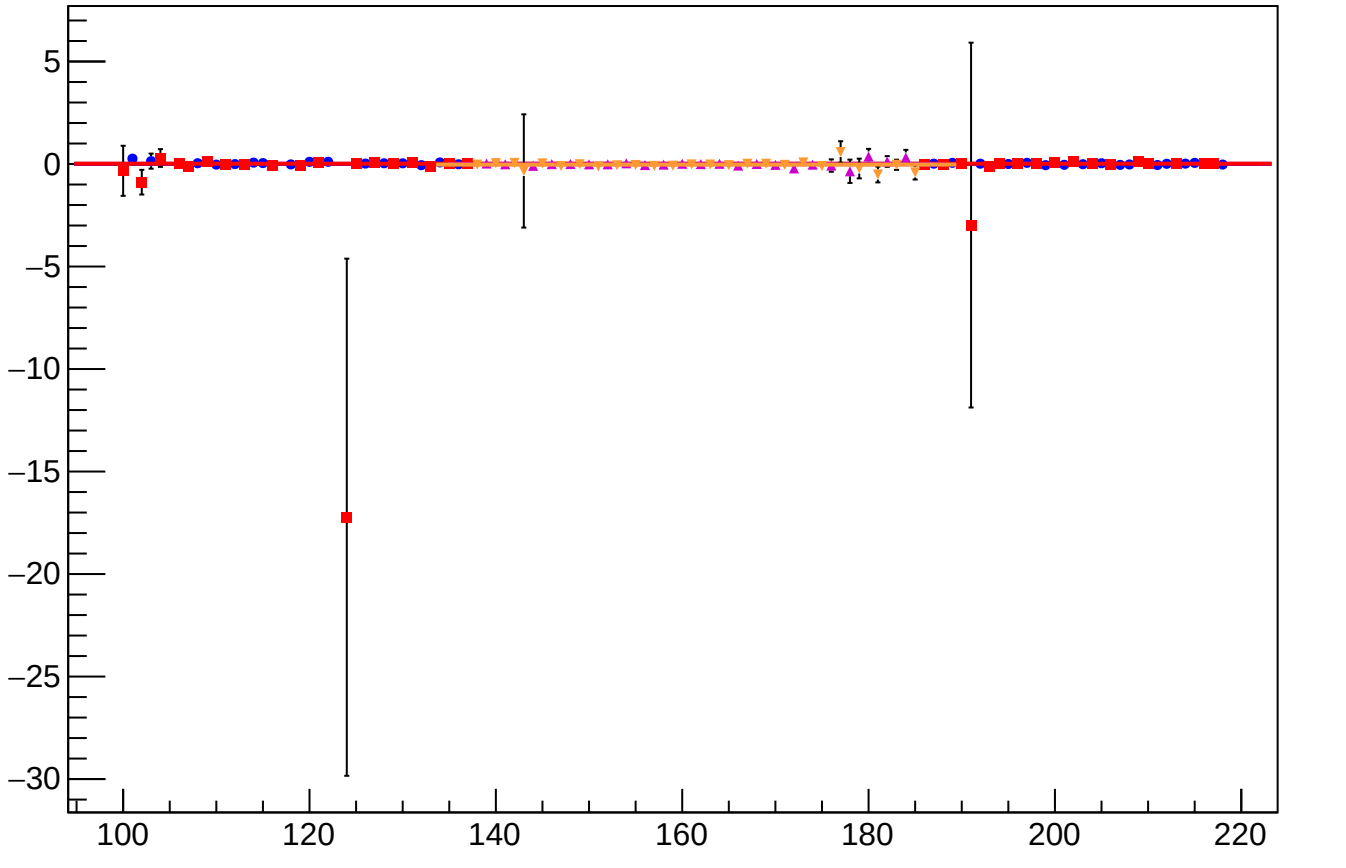
Right Out: 41.043+/-0.007 χ^2/NDF: 5538326.8/35

Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

+ sign 36.516+/-0.005 χ^2/NDF: 15946757.1/56

All: 36.511+/-0.004 χ^2/NDF: 31141671.2/115

- sign 36.505+/-0.005 χ^2/NDF: 15194911.8/58



Right In: 0.007+/-0.010 χ^2/NDF: 19.2/31

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

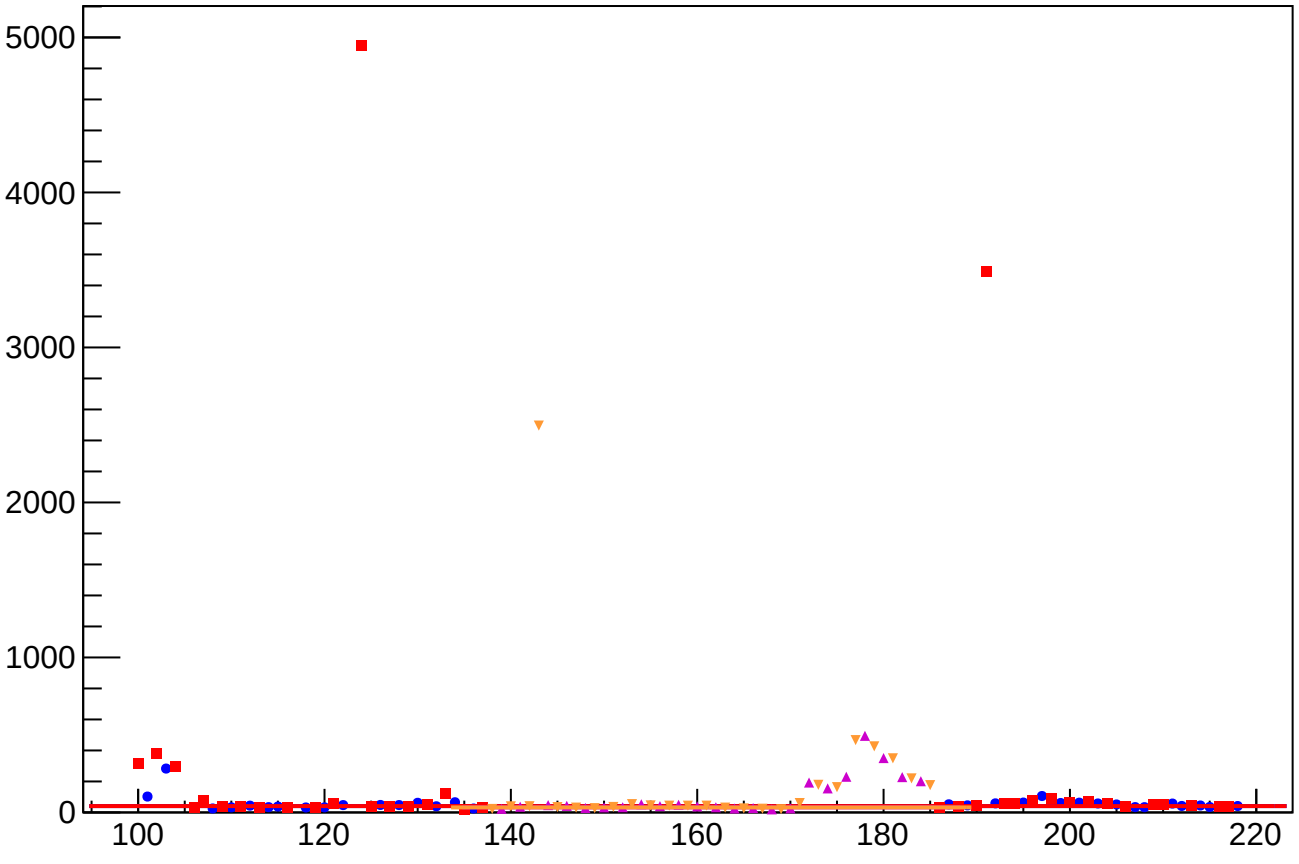
Right Out: 0.015+/-0.010 χ^2/NDF: 27.2/35

Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

+ sign -0.012+/-0.007 χ^2/NDF: 53.4/56

All: -0.005+/-0.005 χ^2/NDF: 98.9/115

- sign 0.001+/-0.007 χ^2/NDF: 43.8/58



Right In: 41.228+/-0.007 χ^2/NDF: 4315175.4/31

Left Out: 32.551+/-0.007 χ^2/NDF:10871758.1/24

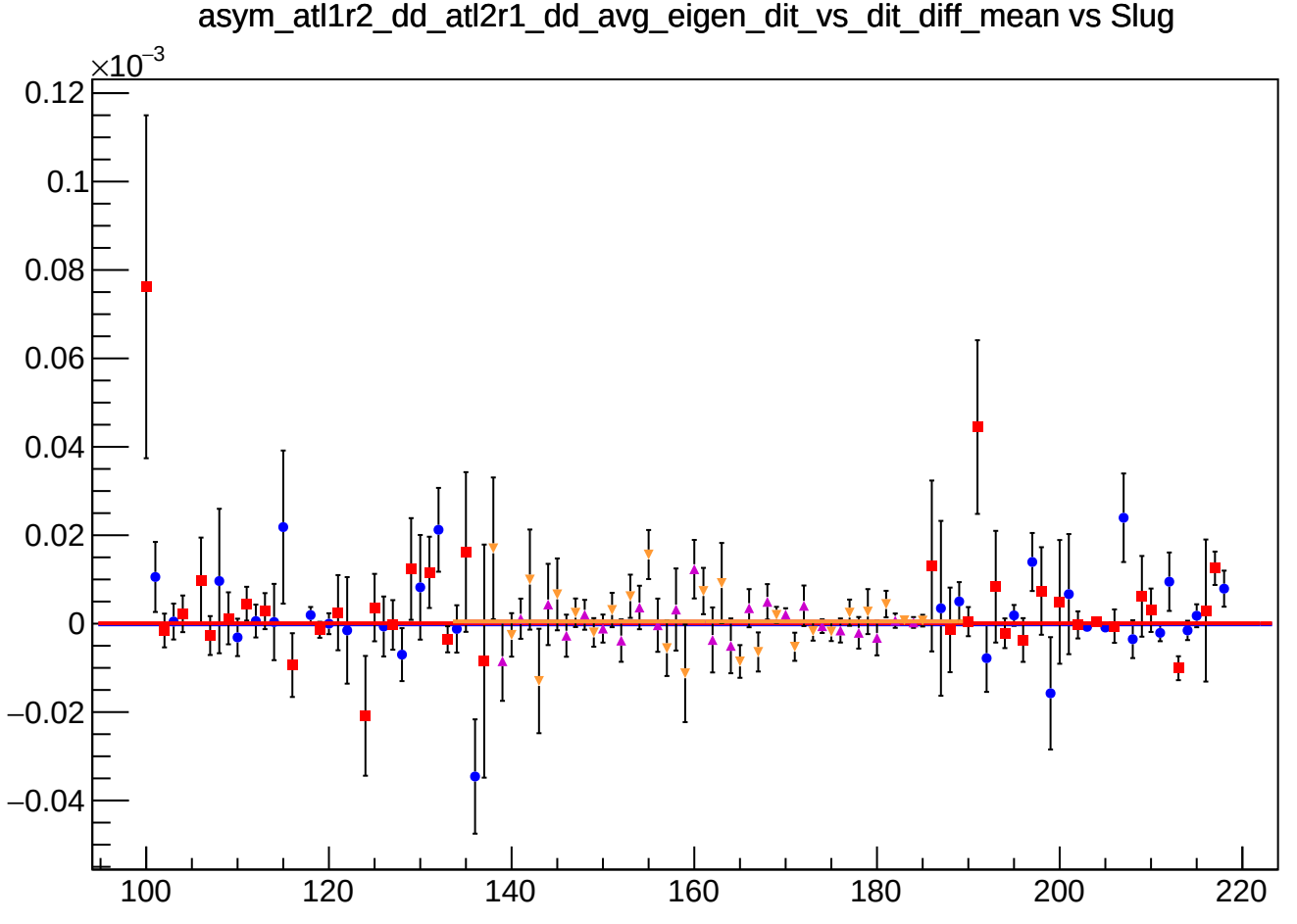
Right Out: 41.043+/-0.007 χ^2/NDF: 5538326.8/35

Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

+ sign 36.516+/-0.005 χ^2/NDF: 15946757.1/56

All: 36.511+/-0.004 χ^2/NDF: 31141671.2/115

- sign 36.505+/-0.005 χ^2/NDF: 15194911.8/58



Right In: -0.000+/-0.000 χ^2/NDF: 44.8/31

Left Out: 0.000+/-0.000 χ^2/NDF:35.7/24

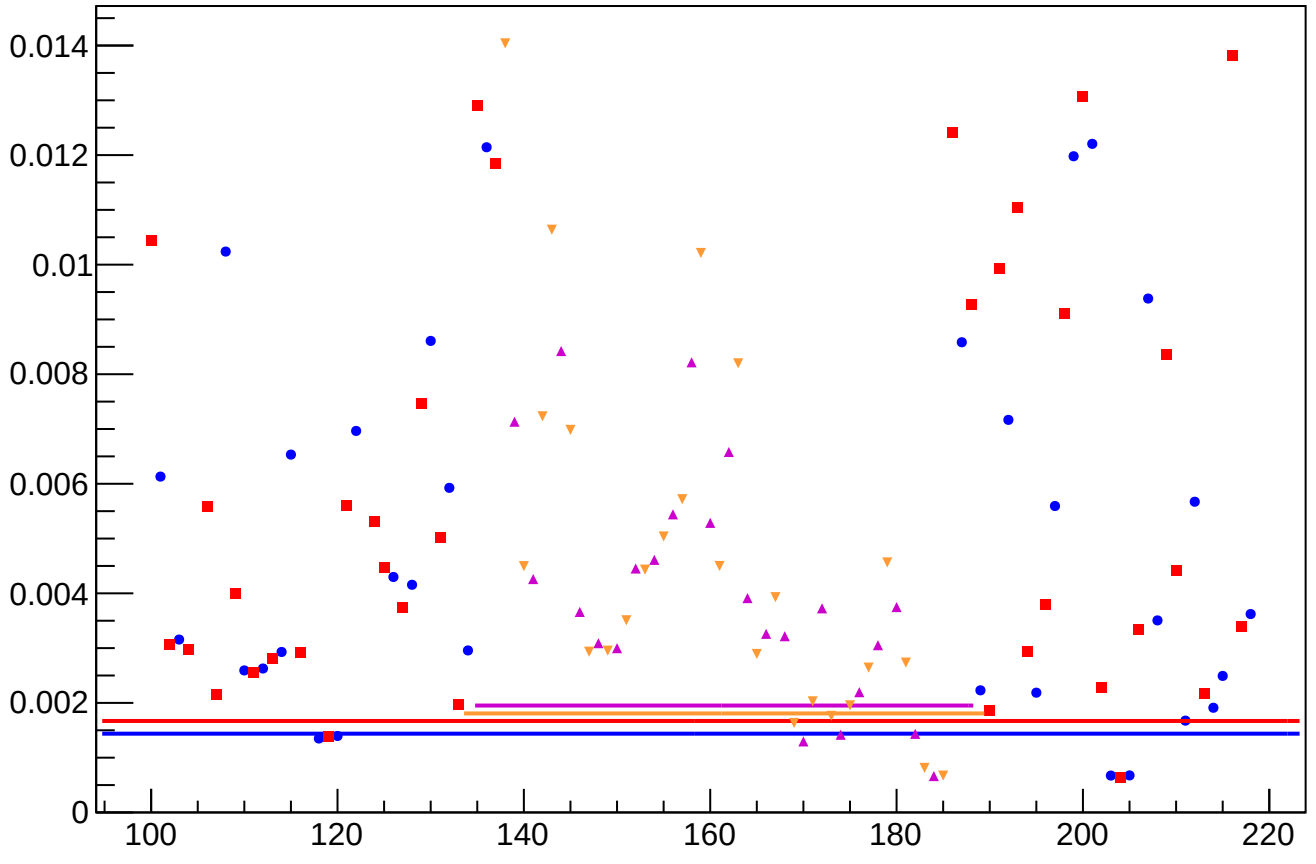
Right Out: 0.000+/-0.000 χ^2/NDF: 52.0/35

Left In: 0.000+/-0.000 χ^2/NDF:13.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 81.4/56

All: 0.000+/-0.000 χ^2/NDF: 147.3/115

- sign 0.000+/-0.000 χ^2/NDF: 65.9/58



Right In: 0.001+/-0.000 χ^2/NDF: 17883607.9/31

Left Out: 0.002+/-0.000 χ^2/NDF:14941257.4/24

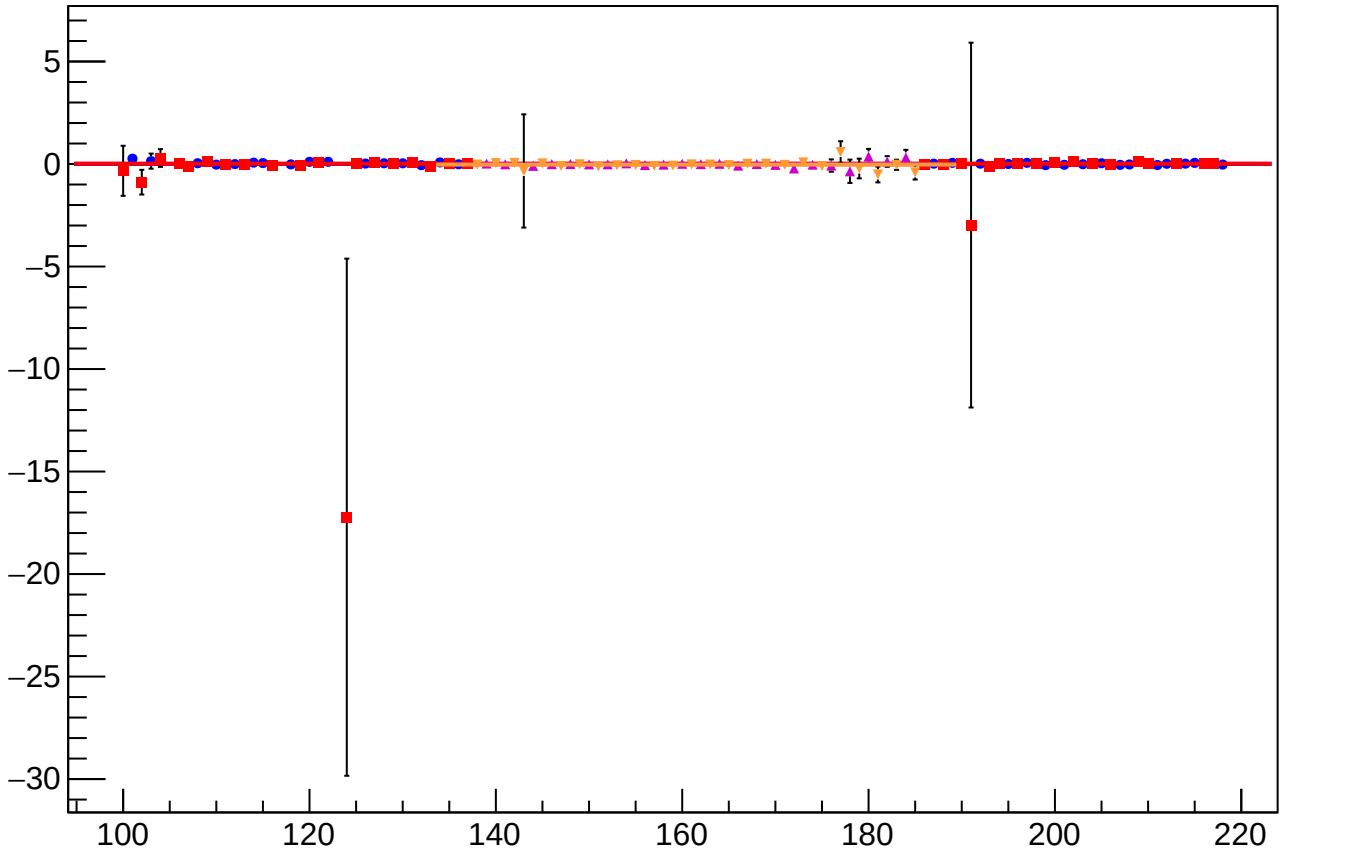
Right Out: 0.002+/-0.000 χ^2/NDF: 18856042.8/35

Left In: 0.002+/-0.000 χ^2/NDF:11478607.0/22

+ sign 0.002+/-0.000 χ^2/NDF: 33349898.1/56

All: 0.002+/-0.000 χ^2/NDF: 64224810.0/115

- sign 0.002+/-0.000 χ^2/NDF: 30583031.0/58



Right In: 0.007+/-0.010 χ^2/NDF: 19.2/31

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

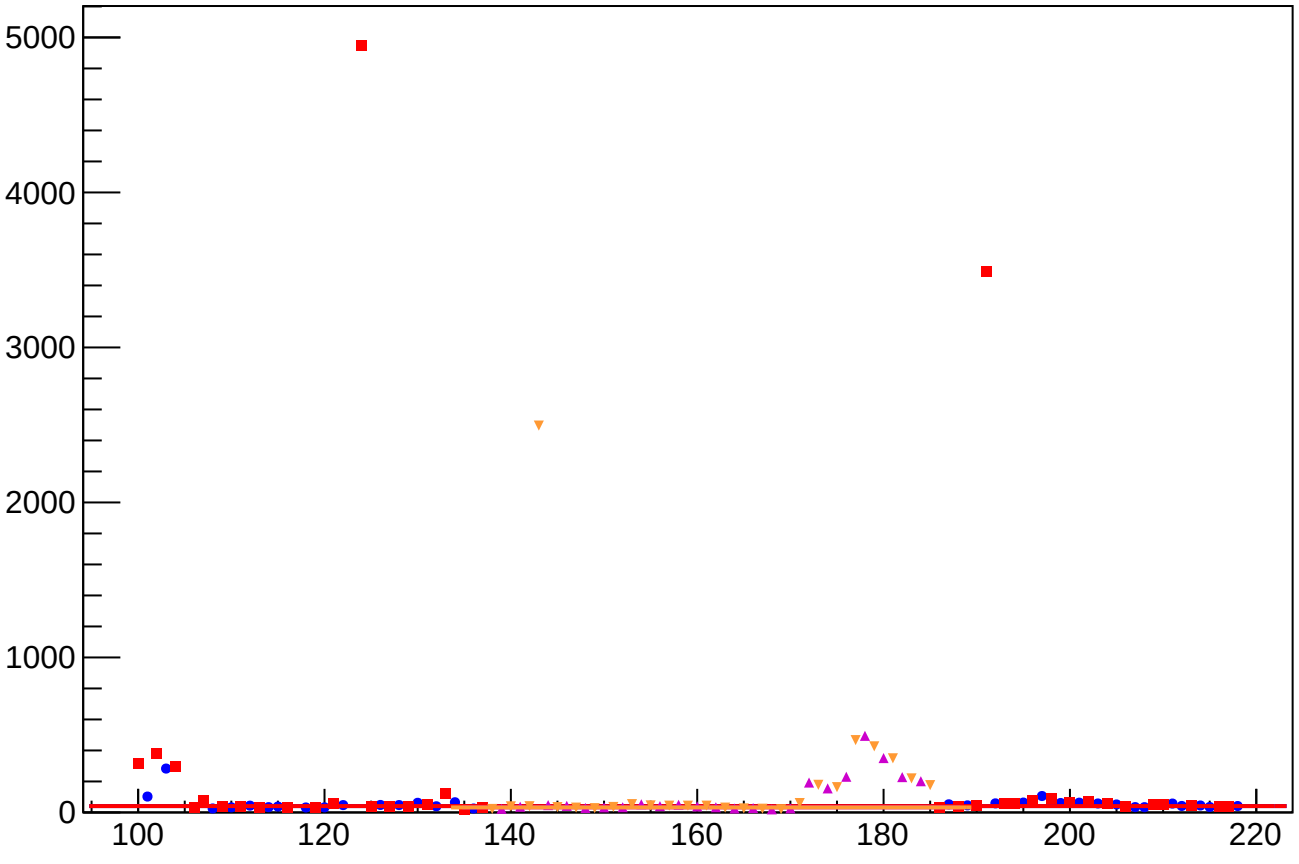
Right Out: 0.015+/-0.010 χ^2/NDF: 27.2/35

Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

+ sign -0.012+/-0.007 χ^2/NDF: 53.4/56

All: -0.005+/-0.005 χ^2/NDF: 98.9/115

- sign 0.001+/-0.007 χ^2/NDF: 43.8/58



Right In: 41.228+/-0.007 χ^2/NDF: 4314811.8/31

Left Out: 32.551+/-0.007 χ^2/NDF:10872015.8/24

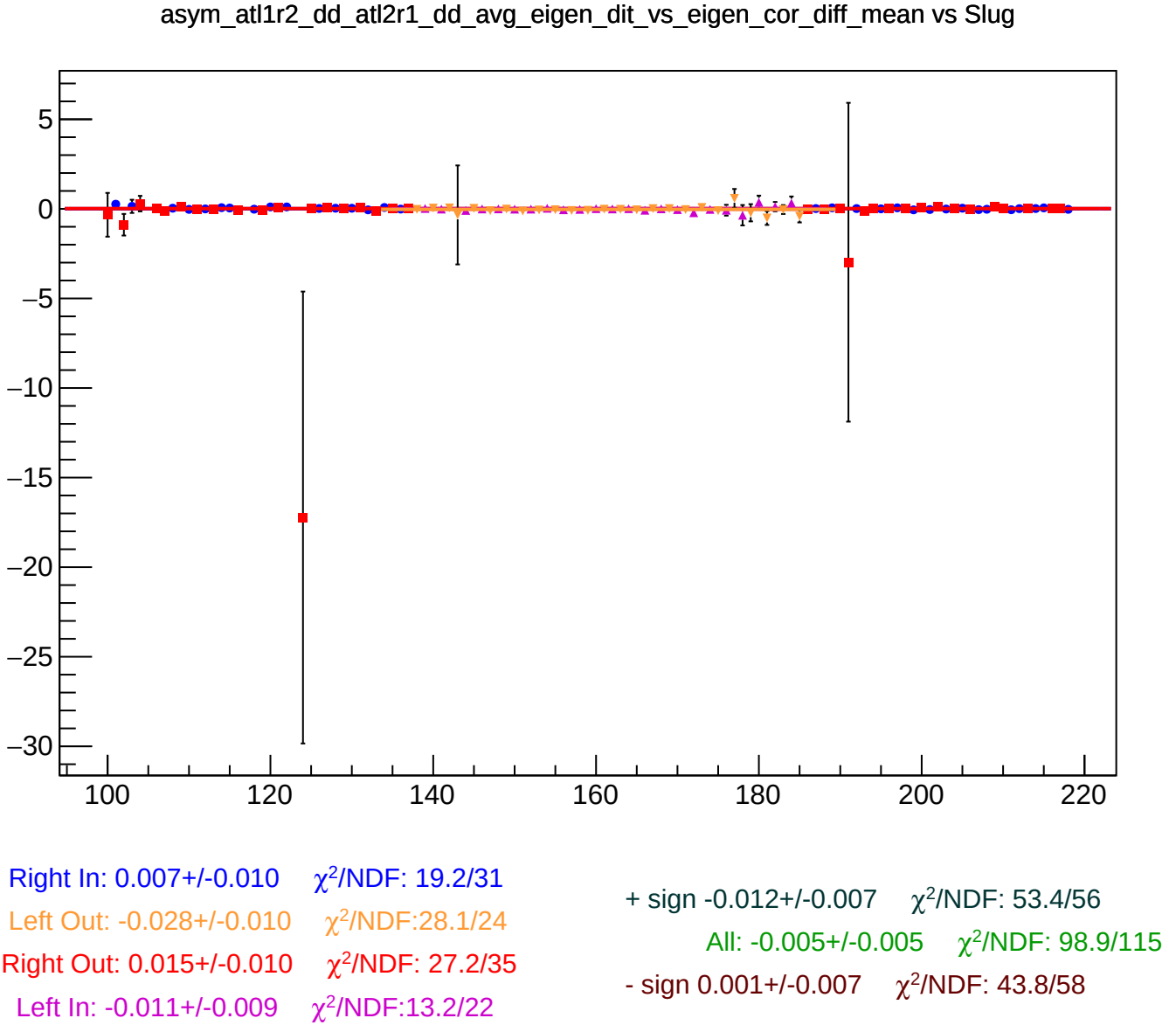
Right Out: 41.043+/-0.007 χ^2/NDF: 5538148.3/35

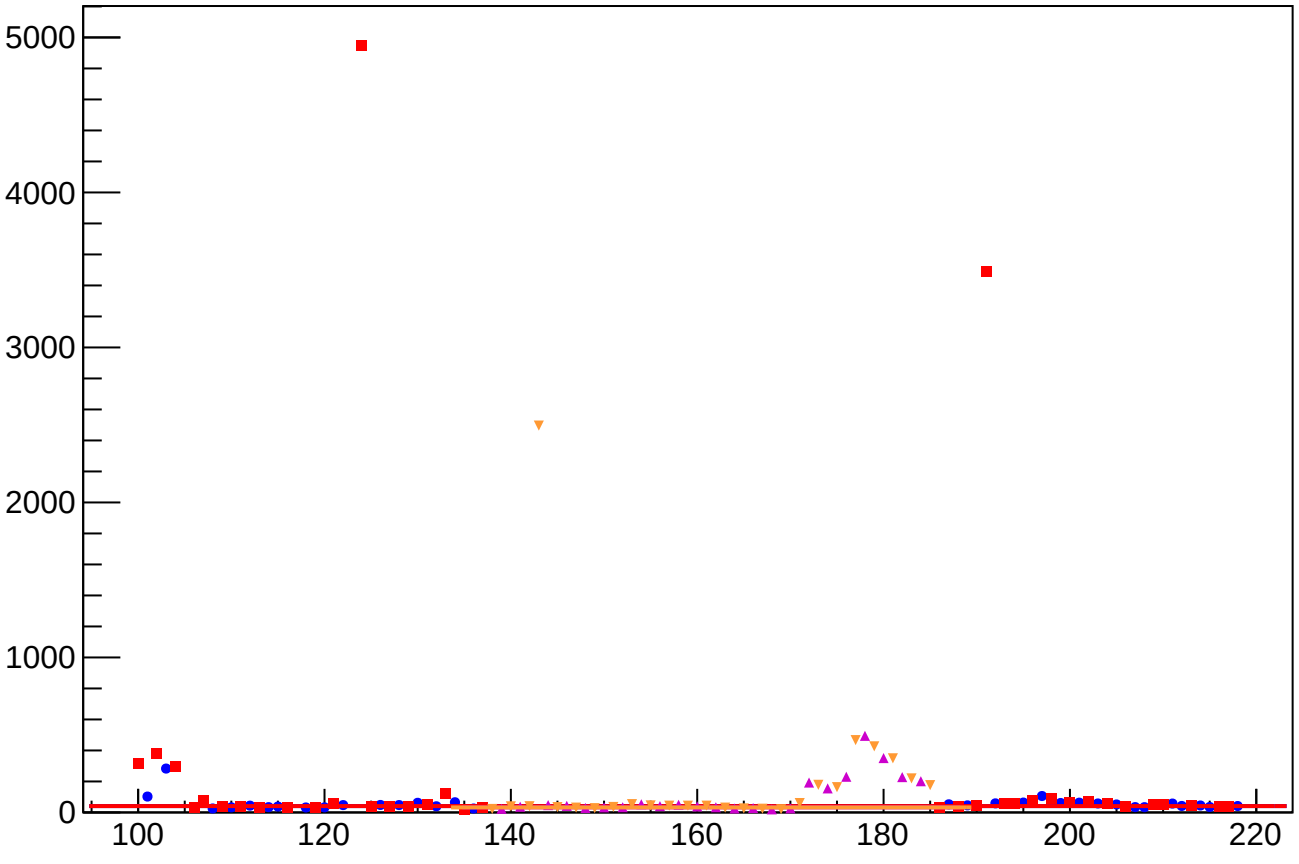
Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

+ sign 36.516+/-0.005 χ^2/NDF: 15946717.5/56

All: 36.510+/-0.004 χ^2/NDF: 31142298.4/115

- sign 36.504+/-0.005 χ^2/NDF: 15195578.2/58


asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug
5
0
−5
−10
−15
−20
−25
−30
100
120
140
160
180
200
220
Right In: 0.007+/-0.010 χ²/NDF: 19.2/31
Left Out: -0.028+/-0.010 χ²/NDF:28.1/24
Right Out: 0.015+/-0.010 χ²/NDF: 27.2/35
Left In: -0.011+/-0.009 χ²/NDF:13.2/22
+ sign -0.012+/-0.007 χ²/NDF: 53.4/56
All: -0.005+/-0.005 χ²/NDF: 98.9/115
- sign 0.001+/-0.007 χ²/NDF: 43.8/58



Right In: 41.228+/-0.007 χ^2/NDF: 4314811.8/31

Left Out: 32.551+/-0.007 χ^2/NDF:10872015.8/24

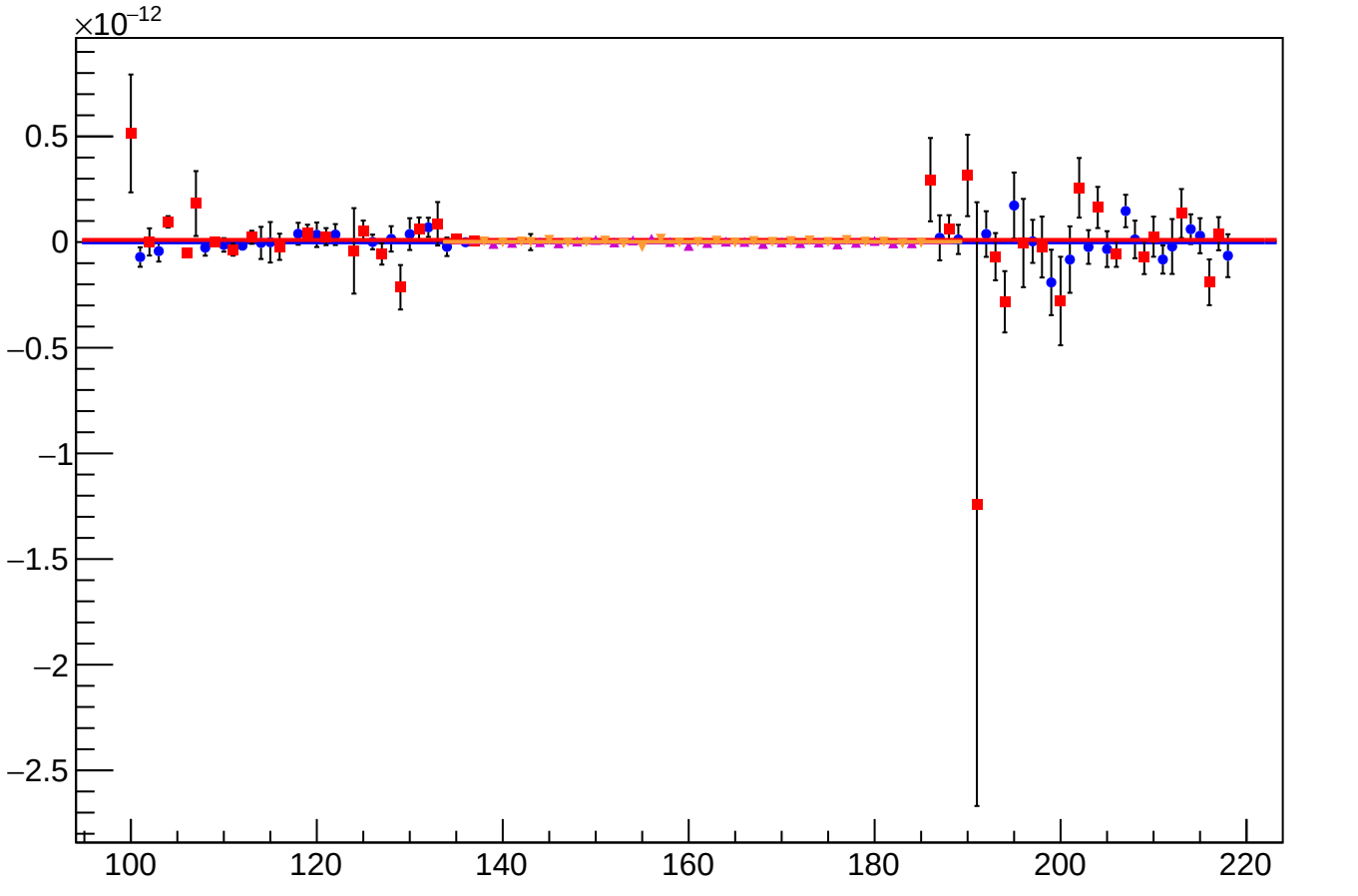
Right Out: 41.043+/-0.007 χ^2/NDF: 5538148.3/35

Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

+ sign 36.516+/-0.005 χ^2/NDF: 15946717.5/56

All: 36.510+/-0.004 χ^2/NDF: 31142298.4/115

- sign 36.504+/-0.005 χ^2/NDF: 15195578.2/58



Right In: -0.000+/-0.000 χ^2/NDF: 18.6/31

Left Out: 0.000+/-0.000 χ^2/NDF:18.1/24

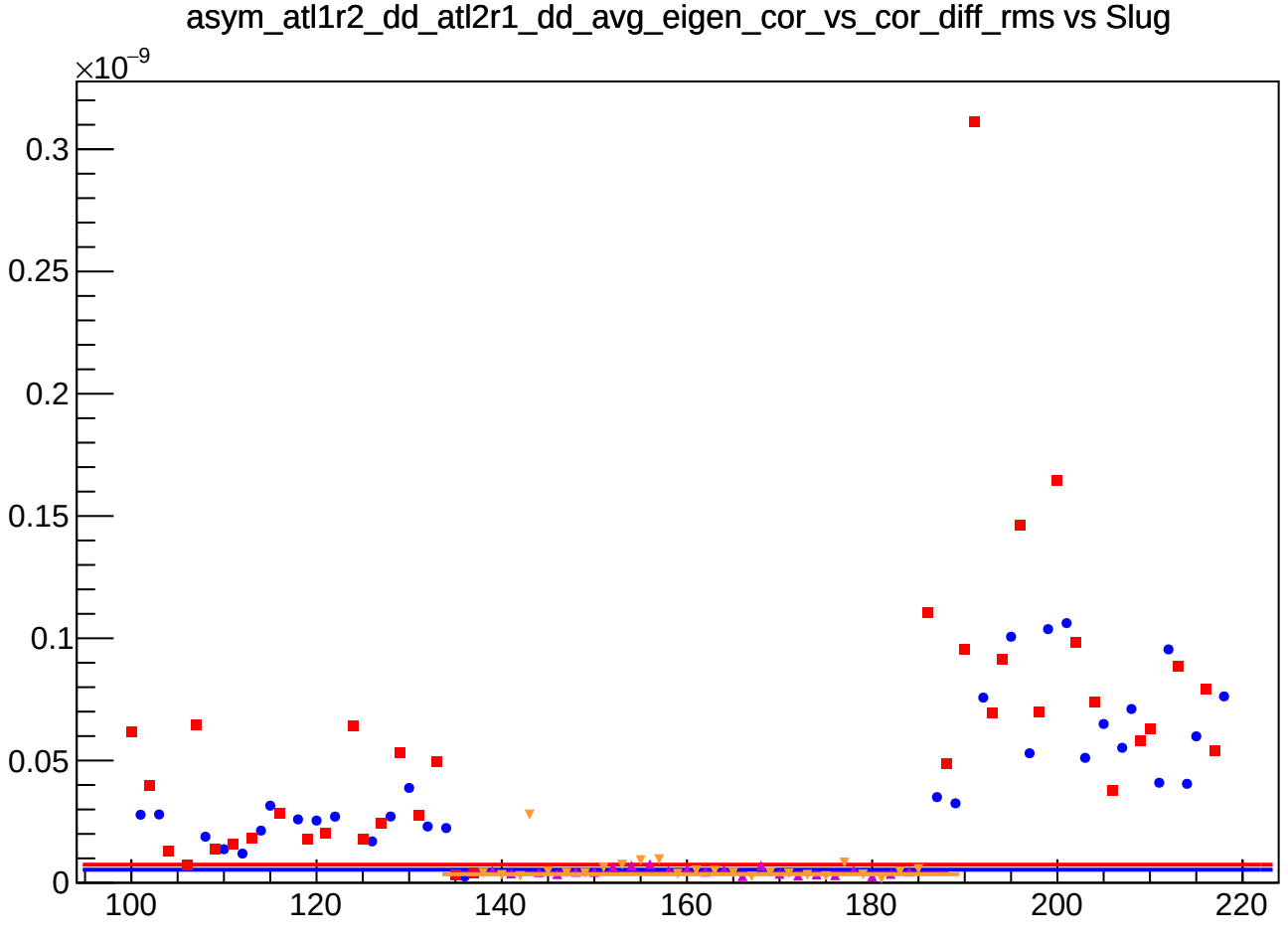
Right Out: 0.000+/-0.000 χ^2/NDF: 65.0/35

Left In: -0.000+/-0.000 χ^2/NDF:28.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 37.3/56

All: 0.000+/-0.000 χ^2/NDF: 139.3/115

- sign -0.000+/-0.000 χ^2/NDF: 100.9/58



Right In: 0.000+/-0.000 χ^2/NDF: 16874327.4/31

Left Out: 0.000+/-0.000 χ^2/NDF:4688121.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 17002274.1/35

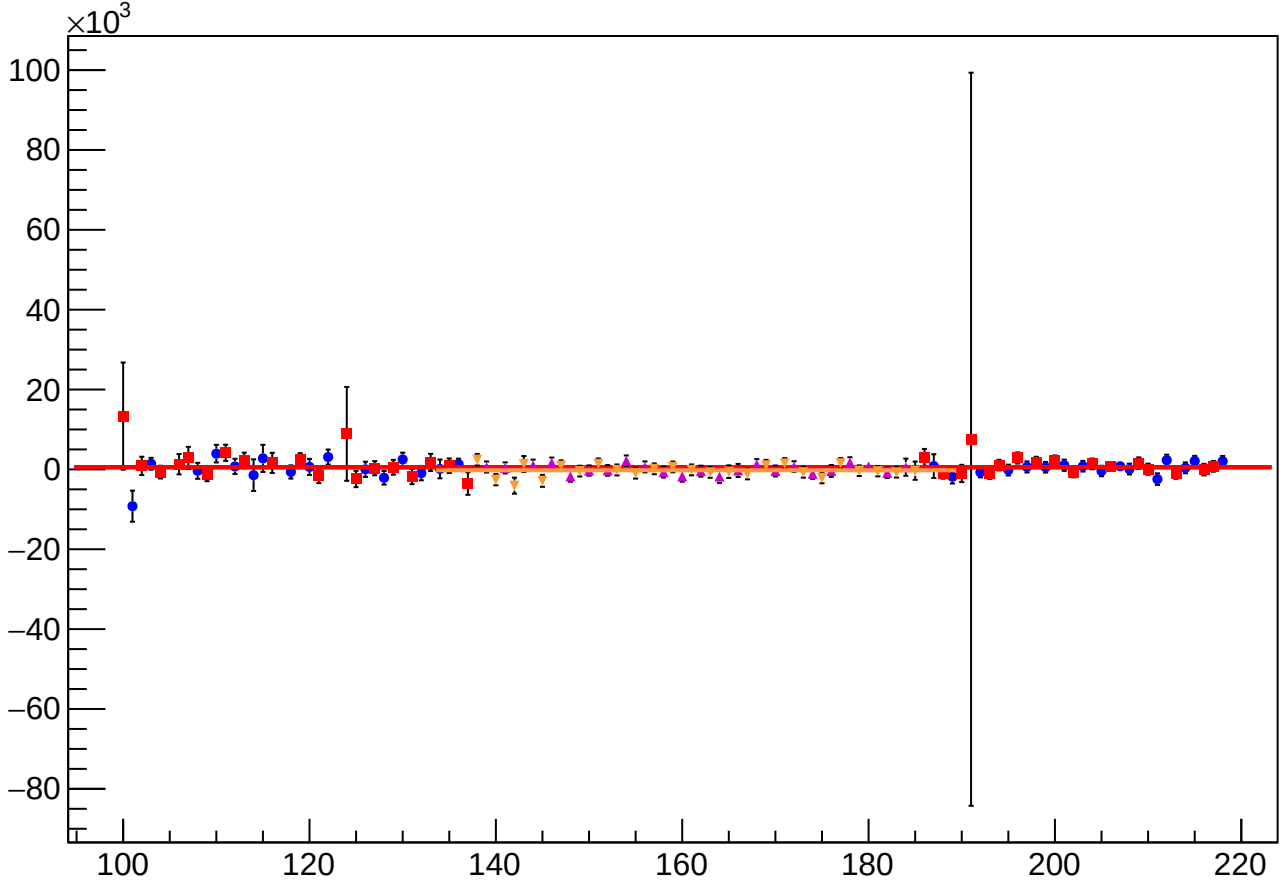
Left In: 0.000+/-0.000 χ^2/NDF:2073078.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 22113338.0/56

All: 0.000+/-0.000 χ^2/NDF: 42767961.4/115

- sign 0.000+/-0.000 χ^2/NDF: 20372114.2/58

reg_asym_at1_dd_at2_dd_avg_mean vs Slug



Right In: 483.312+/-282.483 χ^2/NDF: 29.6/31

Left Out: -220.721+/-283.055 χ^2/NDF:23.9/24

Right Out: 592.089+/-283.572 χ^2/NDF: 29.7/35

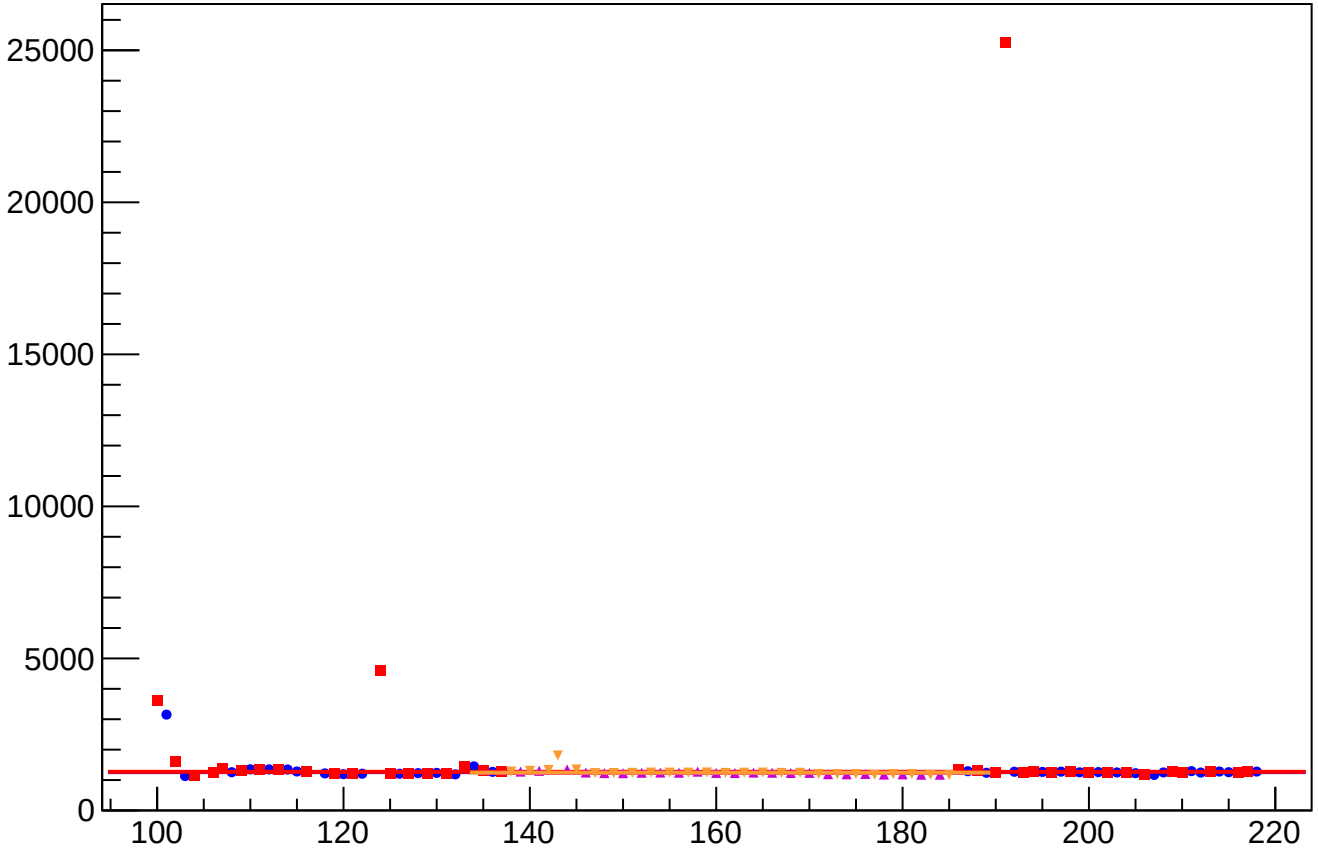
Left In: 92.402+/-288.217 χ^2/NDF:14.7/22

+ sign 132.008+/-199.947 χ^2/NDF: 56.6/56

All: 237.988+/-142.152 χ^2/NDF: 103.1/115

- sign 346.304+/-202.138 χ^2/NDF: 46.0/58

reg_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1260.790+/-0.200 χ^2/NDF: 536064.1/31

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

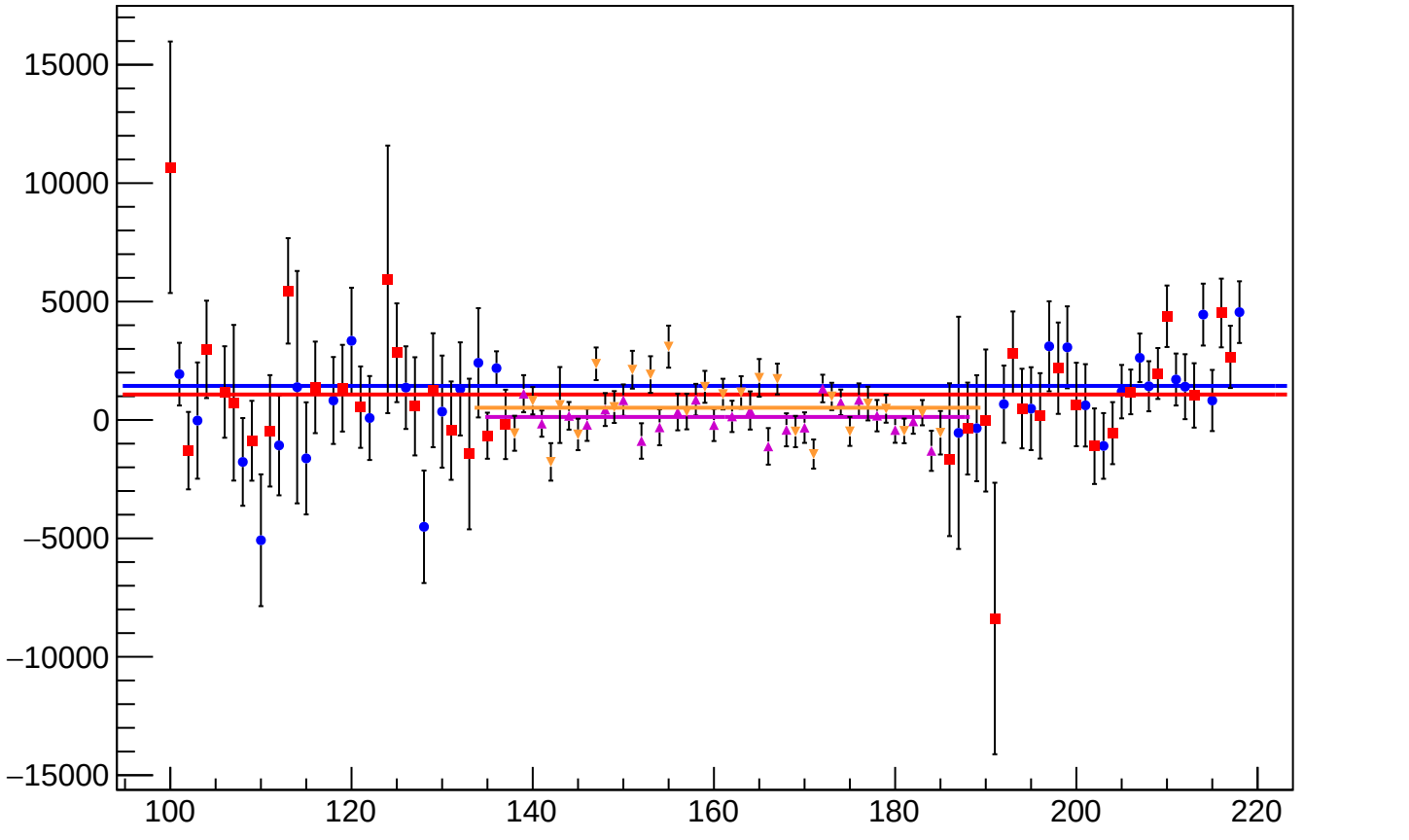
Right Out: 1270.301+/-0.201 χ^2/NDF: 487261.4/35

Left In: 1233.752+/-0.204 χ^2/NDF:39281.8/22

+ sign 1251.825+/-0.141 χ^2/NDF: 743399.5/56

All: 1252.072+/-0.101 χ^2/NDF: 1286290.9/11

- sign 1252.324+/-0.143 χ^2/NDF: 542885.2/58



Right In: 1437.772+/-270.298 χ^2/NDF: 40.5/31

Left Out: 516.792+/-135.746 χ^2/NDF:67.0/24

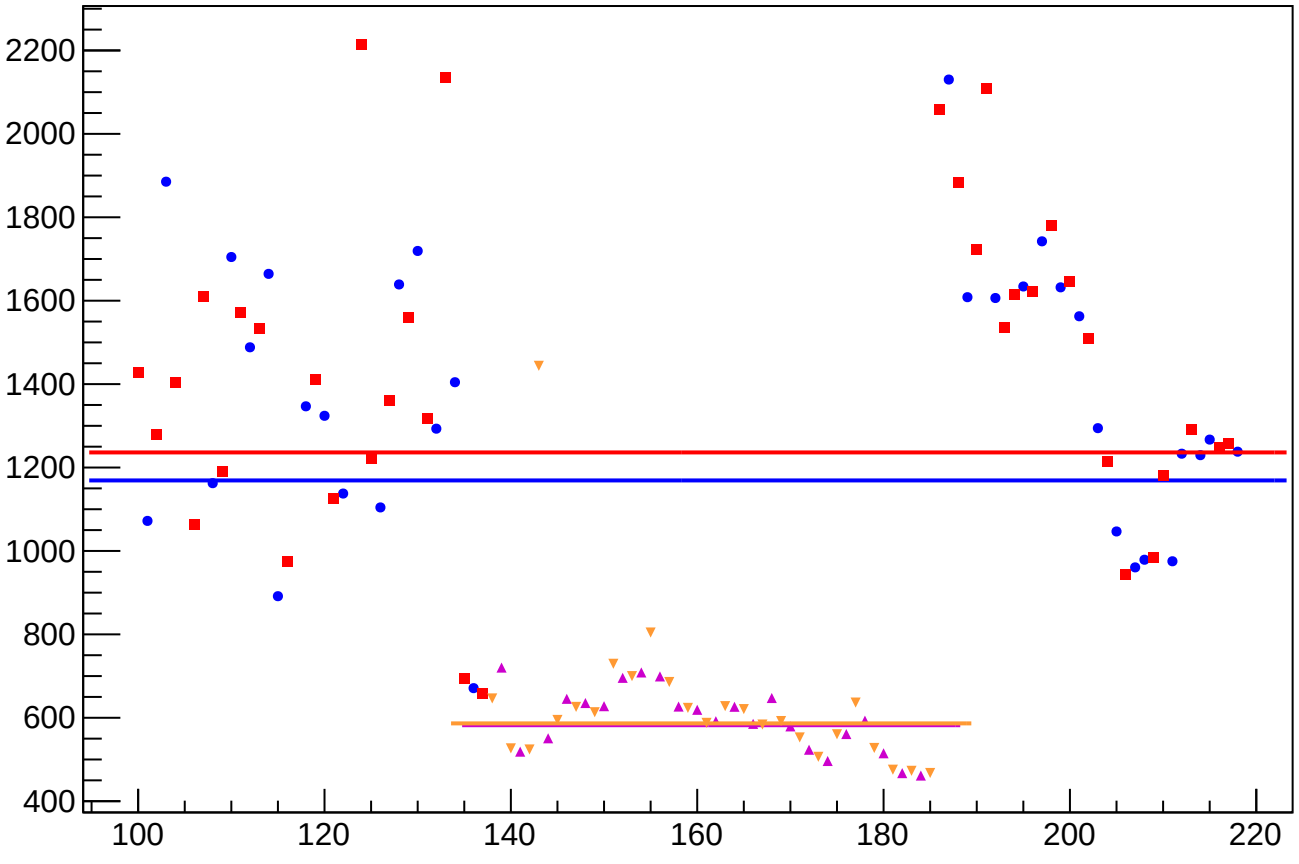
Right Out: 1075.028+/-283.955 χ^2/NDF: 42.2/35

Left In: 126.569+/-137.266 χ^2/NDF:21.6/22

+ sign 702.290+/-121.308 χ^2/NDF: 116.8/56

All: 507.939+/-86.571 χ^2/NDF: 194.8/115

- sign 306.226+/-123.584 χ^2/NDF: 72.8/58



Right In: 1169.074+/-0.191 χ^2/NDF: 2713343.1/31

Left Out: 586.557+/-0.096 χ^2/NDF:1202915.7/24

Right Out: 1236.212+/-0.201 χ^2/NDF: 2738450.0/35

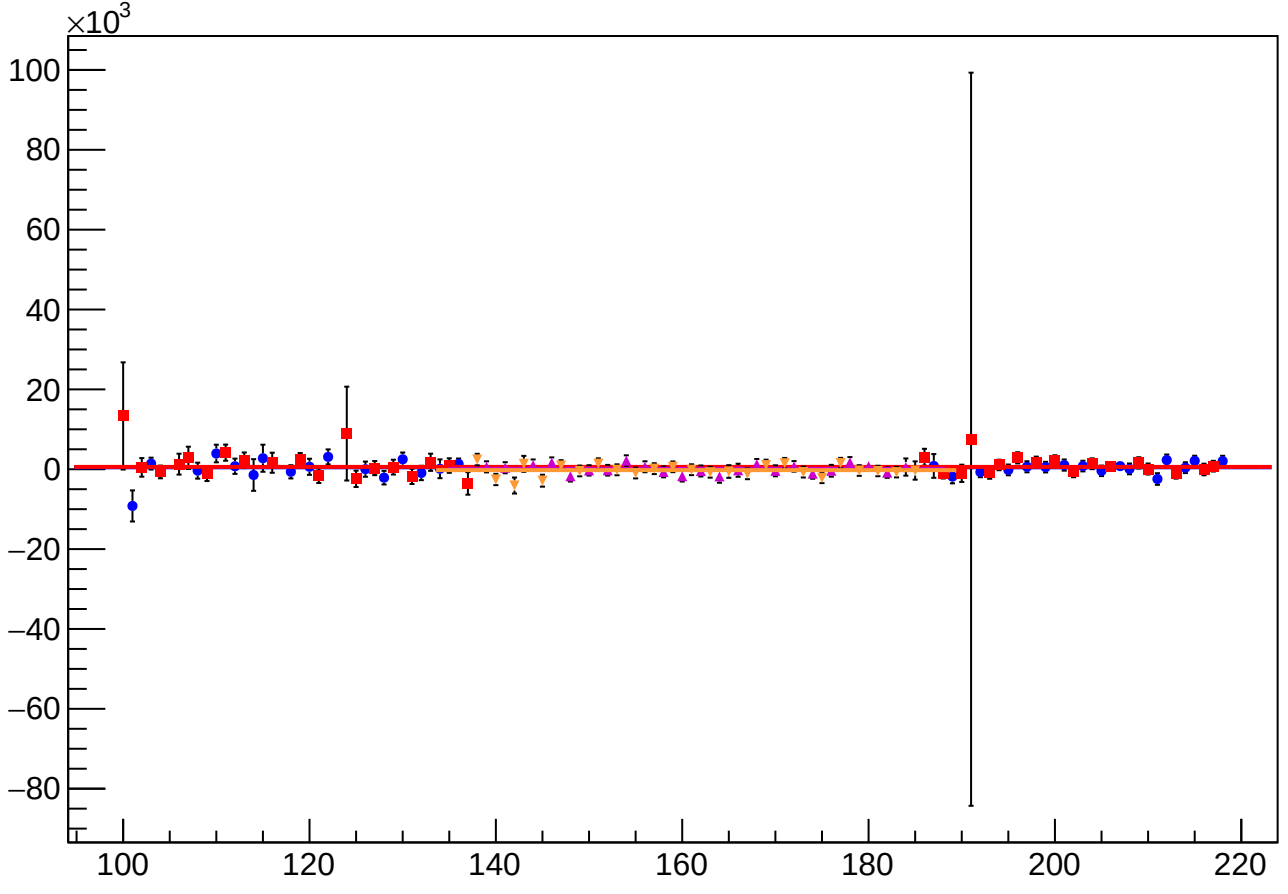
Left In: 582.190+/-0.097 χ^2/NDF:559261.3/22

+ sign 703.884+/-0.086 χ^2/NDF: 11334177.8/56

All: 704.959+/-0.061 χ^2/NDF: 23232490.7/11

- sign 706.075+/-0.087 χ^2/NDF: 11897992.8/58

cor_asym_at1_dd_at2_dd_avg_mean vs Slug



Right In: 483.499+/-282.483 χ^2/NDF: 29.6/31

Left Out: -220.755+/-283.055 χ^2/NDF:23.9/24

Right Out: 585.051+/-283.740 χ^2/NDF: 29.7/35

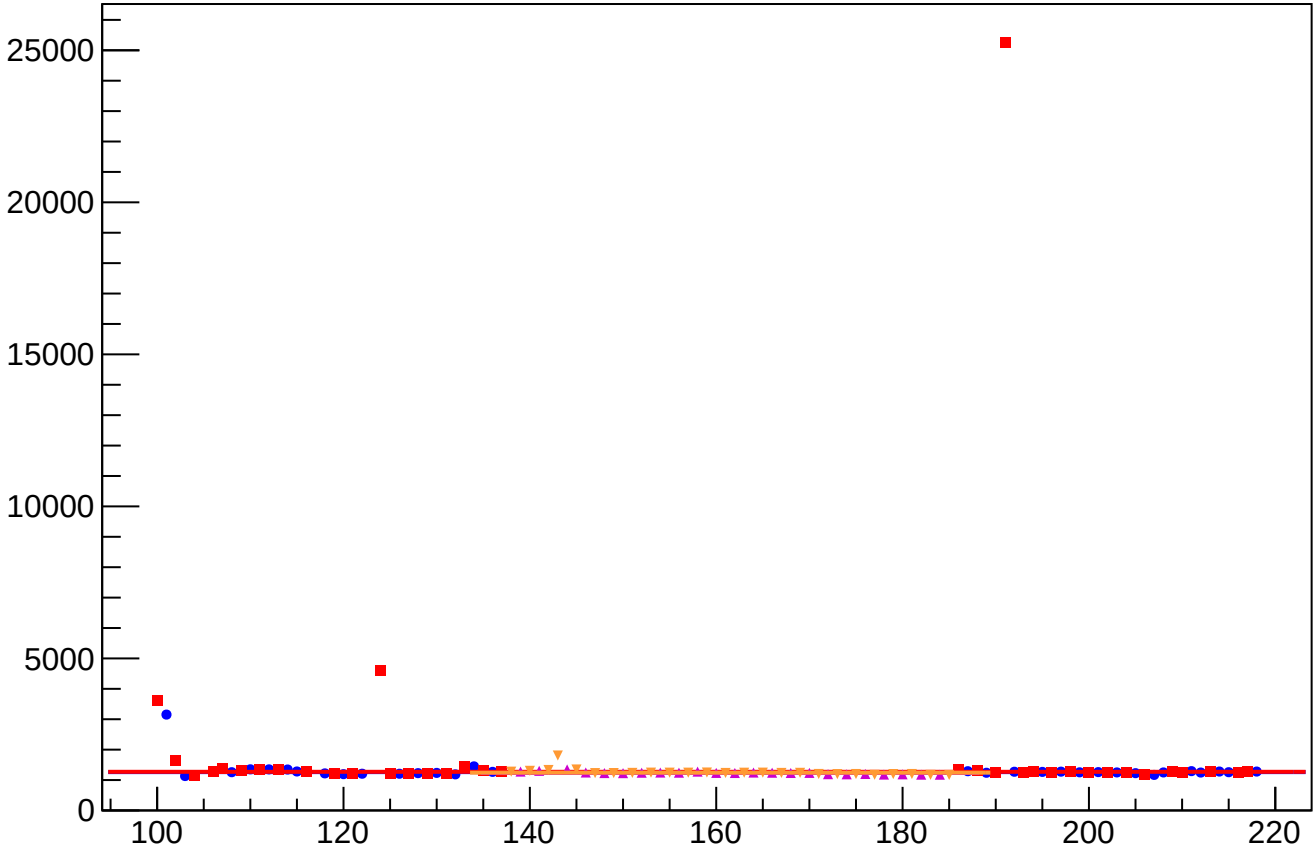
Left In: 92.472+/-288.217 χ^2/NDF:14.7/22

+ sign 132.084+/-199.947 χ^2/NDF: 56.6/56

All: 236.172+/-142.173 χ^2/NDF: 103.0/115

- sign 342.617+/-202.199 χ^2/NDF: 45.9/58

cor_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1260.790+/-0.200 χ^2/NDF: 536065.5/31

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

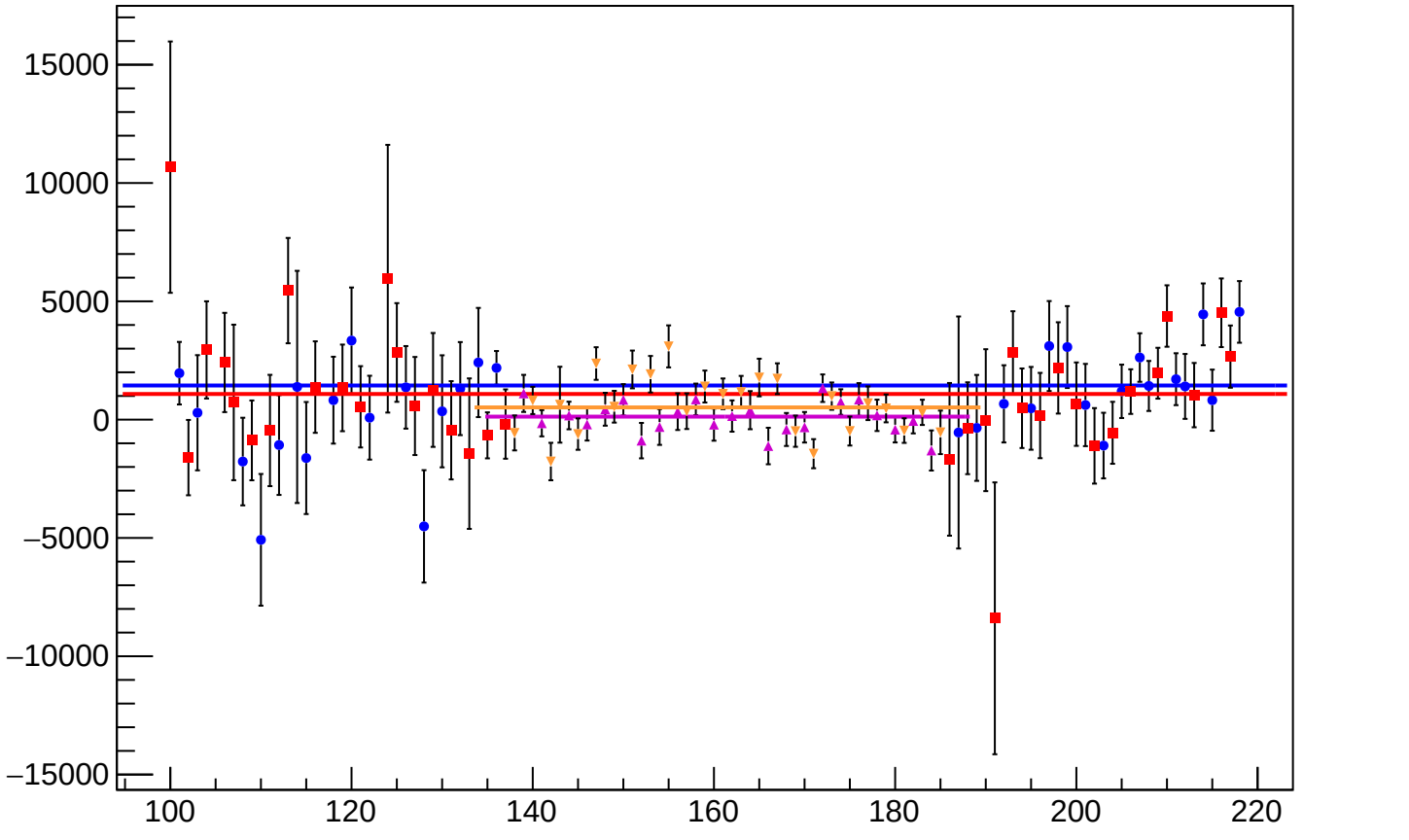
Right Out: 1271.082+/-0.201 χ^2/NDF: 494420.3/35

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

+ sign 1251.825+/-0.141 χ^2/NDF: 743400.8/56

All: 1252.263+/-0.101 χ^2/NDF: 1294160.5/11

- sign 1252.710+/-0.143 χ^2/NDF: 550740.3/58



Right In: 1442.612+/-270.253 χ^2/NDF: 40.4/31

Left Out: 516.811+/-135.747 χ^2/NDF:67.0/24

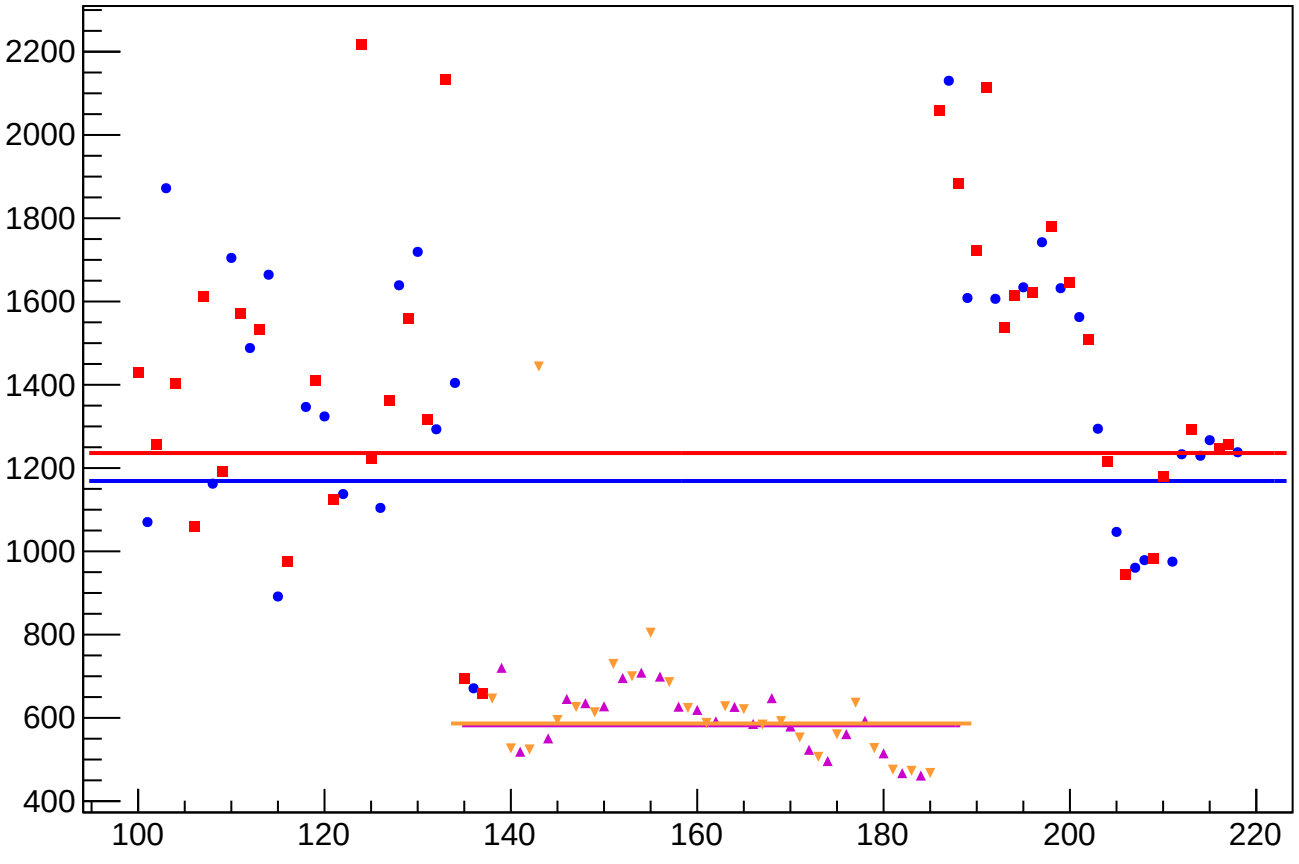
Right Out: 1083.133+/-284.185 χ^2/NDF: 43.3/35

Left In: 126.549+/-137.266 χ^2/NDF:21.6/22

+ sign 703.333+/-121.304 χ^2/NDF: 116.8/56

All: 509.134+/-86.576 χ^2/NDF: 196.1/115

- sign 307.506+/-123.603 χ^2/NDF: 74.1/58



Right In: 1168.967+/-0.191 χ^2/NDF: 2710292.2/31

Left Out: 586.562+/-0.096 χ^2/NDF:1202822.0/24

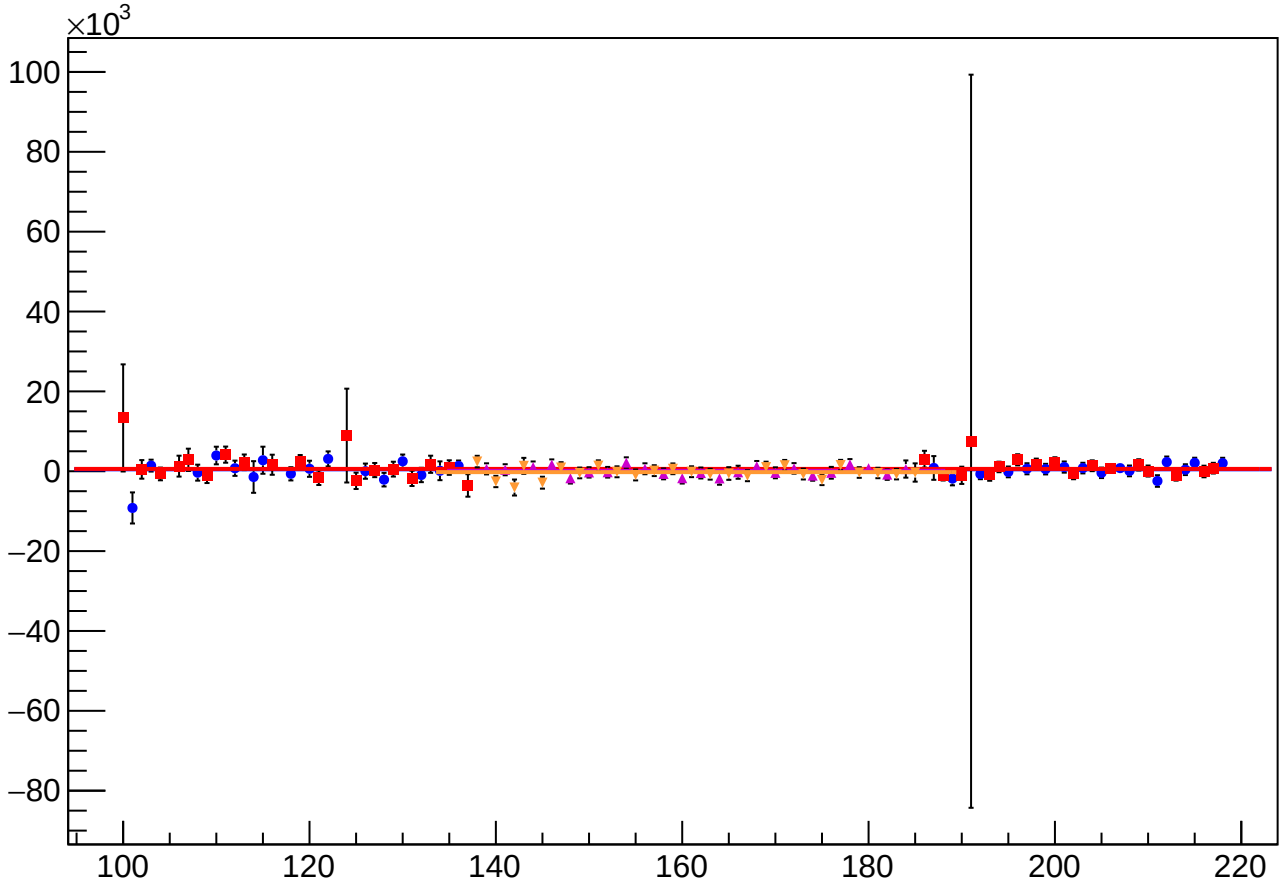
Right Out: 1236.076+/-0.201 χ^2/NDF: 2735816.5/35

Left In: 582.189+/-0.097 χ^2/NDF:559258.0/22

+ sign 703.899+/-0.086 χ^2/NDF: 11330153.3/56

All: 704.873+/-0.061 χ^2/NDF: 23210938.1/11

- sign 705.884+/-0.087 χ^2/NDF: 11880522.0/58



Right In: 483.499+/-282.483 χ^2/NDF: 29.6/31

Left Out: -220.755+/-283.055 χ^2/NDF:23.9/24

Right Out: 585.051+/-283.740 χ^2/NDF: 29.7/35

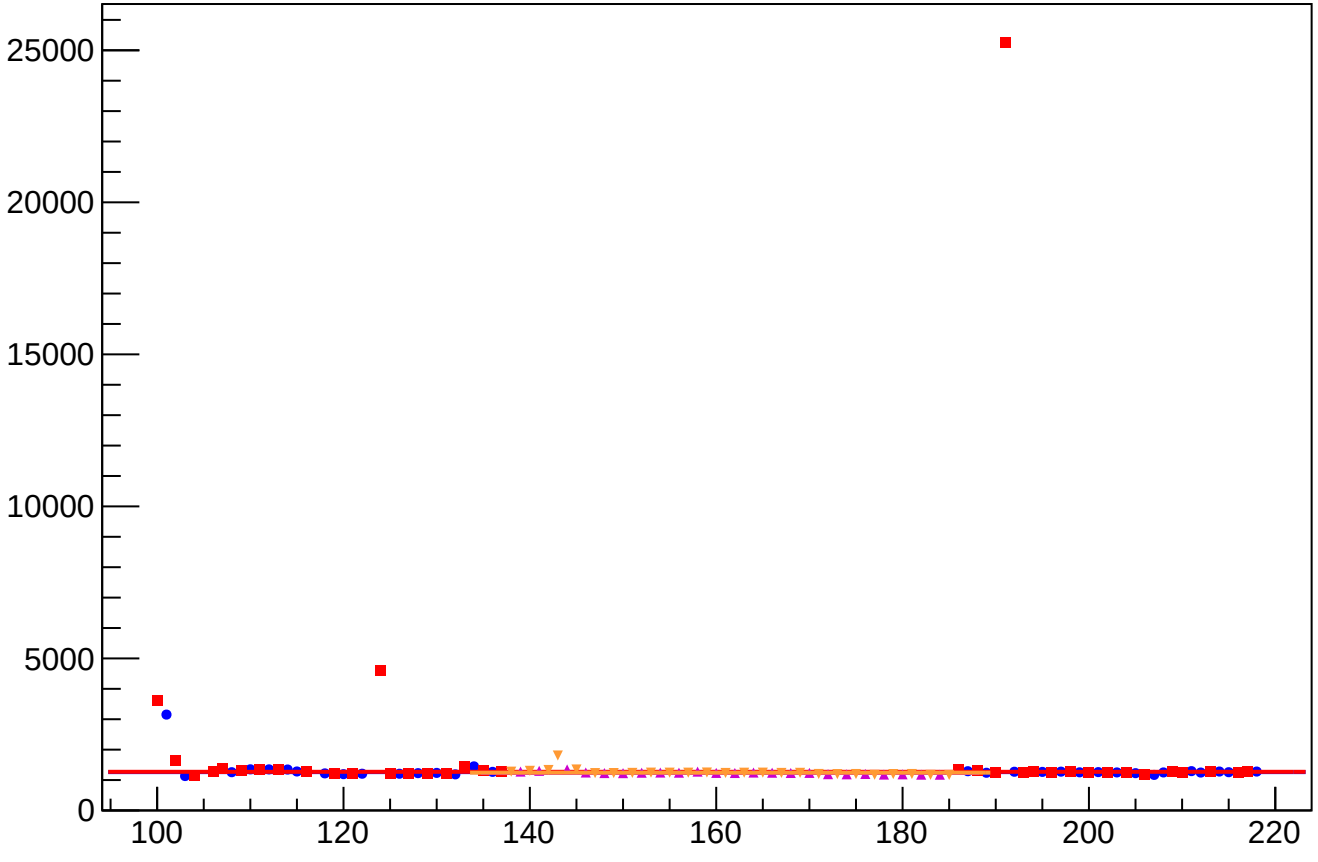
Left In: 92.472+/-288.217 χ^2/NDF:14.7/22

+ sign 132.084+/-199.947 χ^2/NDF: 56.6/56

All: 236.172+/-142.173 χ^2/NDF: 103.0/115

- sign 342.617+/-202.199 χ^2/NDF: 45.9/58

eigen_cor_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1260.790+/-0.200 χ^2/NDF: 536065.5/31

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

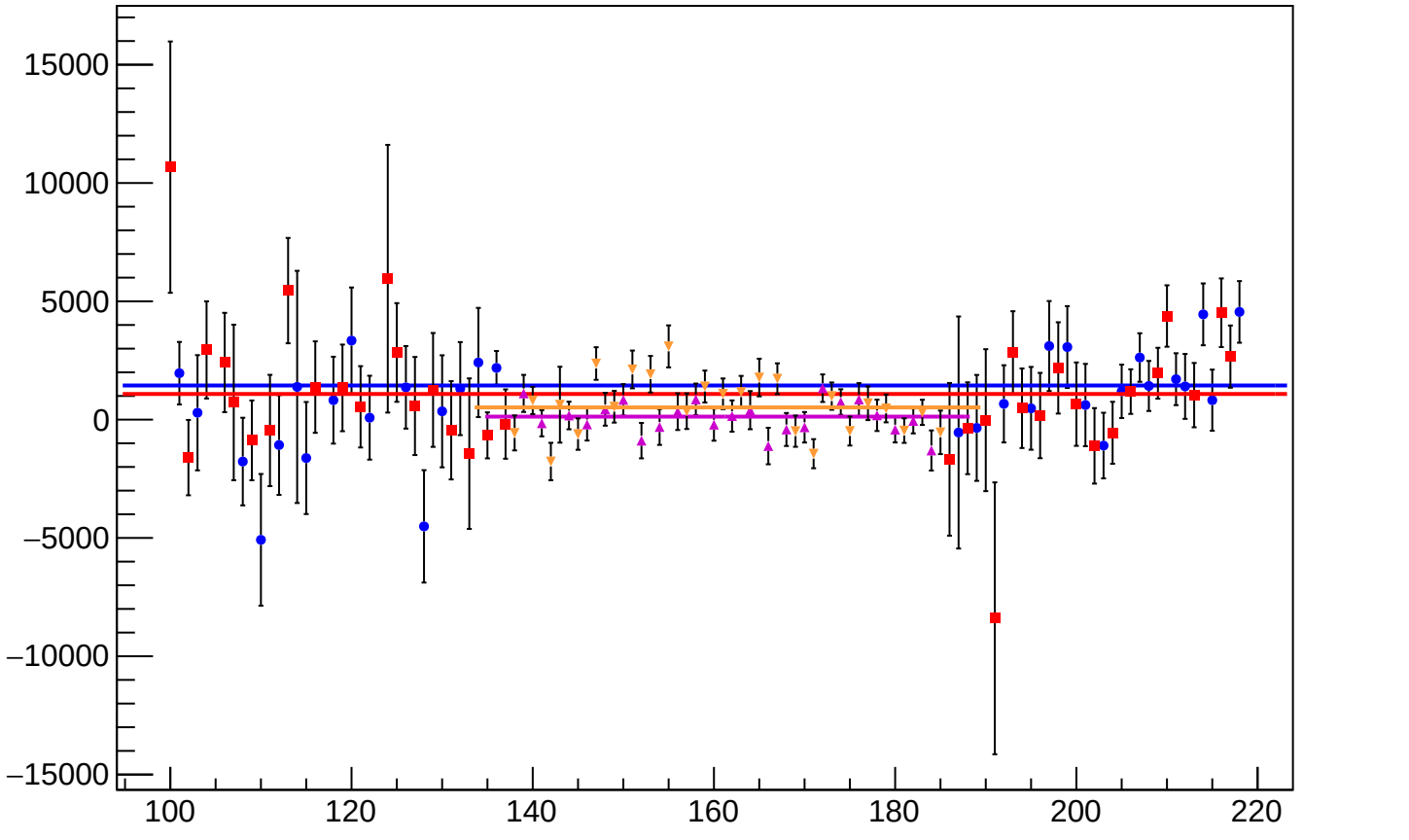
Right Out: 1271.082+/-0.201 χ^2/NDF: 494420.3/35

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

+ sign 1251.825+/-0.141 χ^2/NDF: 743400.8/56

All: 1252.263+/-0.101 χ^2/NDF: 1294160.5/11

- sign 1252.710+/-0.143 χ^2/NDF: 550740.3/58



Right In: 1442.612+/-270.253 χ^2/NDF: 40.4/31

Left Out: 516.811+/-135.747 χ^2/NDF:67.0/24

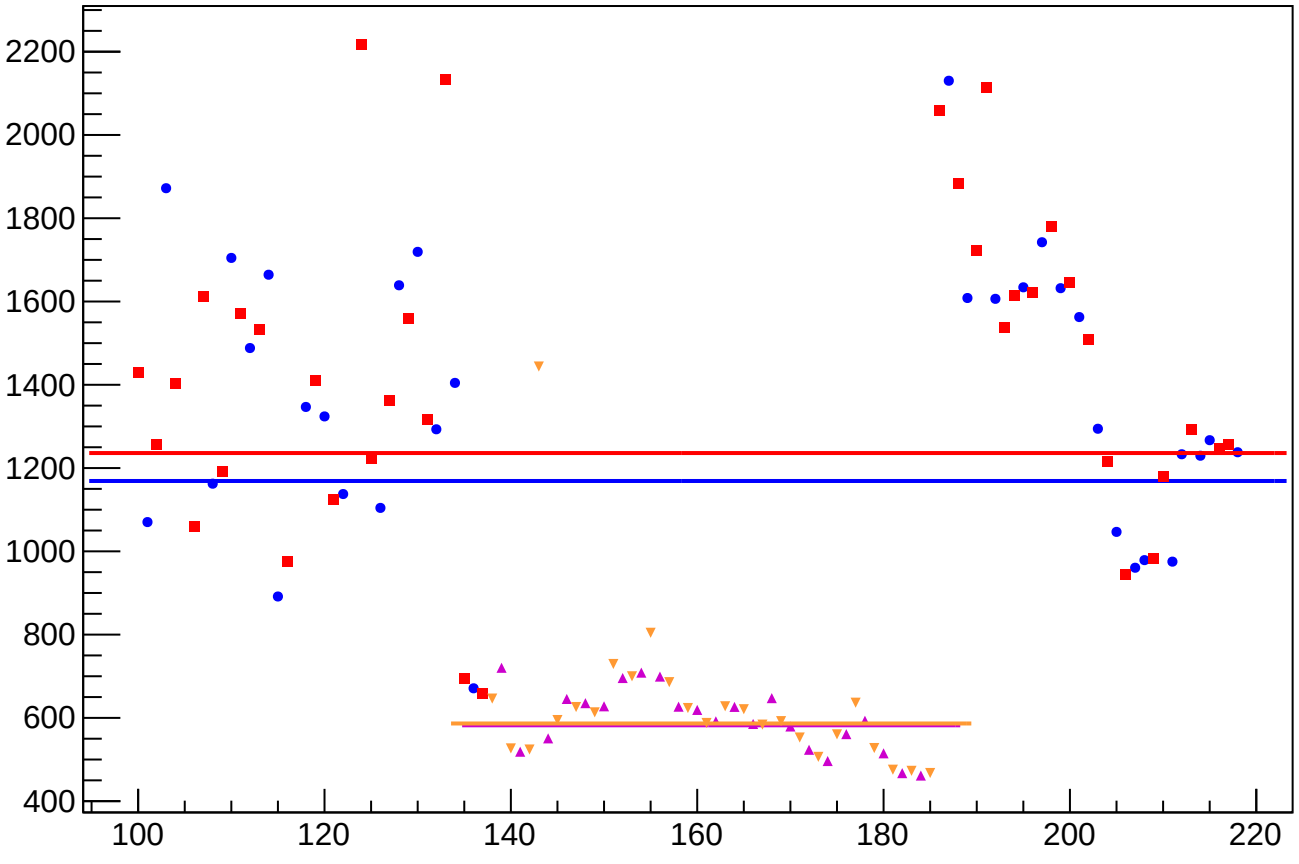
Right Out: 1083.133+/-284.185 χ^2/NDF: 43.3/35

Left In: 126.549+/-137.266 χ^2/NDF:21.6/22

+ sign 703.333+/-121.304 χ^2/NDF: 116.8/56

All: 509.134+/-86.576 χ^2/NDF: 196.1/115

- sign 307.506+/-123.603 χ^2/NDF: 74.1/58



Right In: 1168.967+/-0.191 χ^2/NDF: 2710292.2/31

Left Out: 586.562+/-0.096 χ^2/NDF:1202822.0/24

Right Out: 1236.076+/-0.201 χ^2/NDF: 2735816.5/35

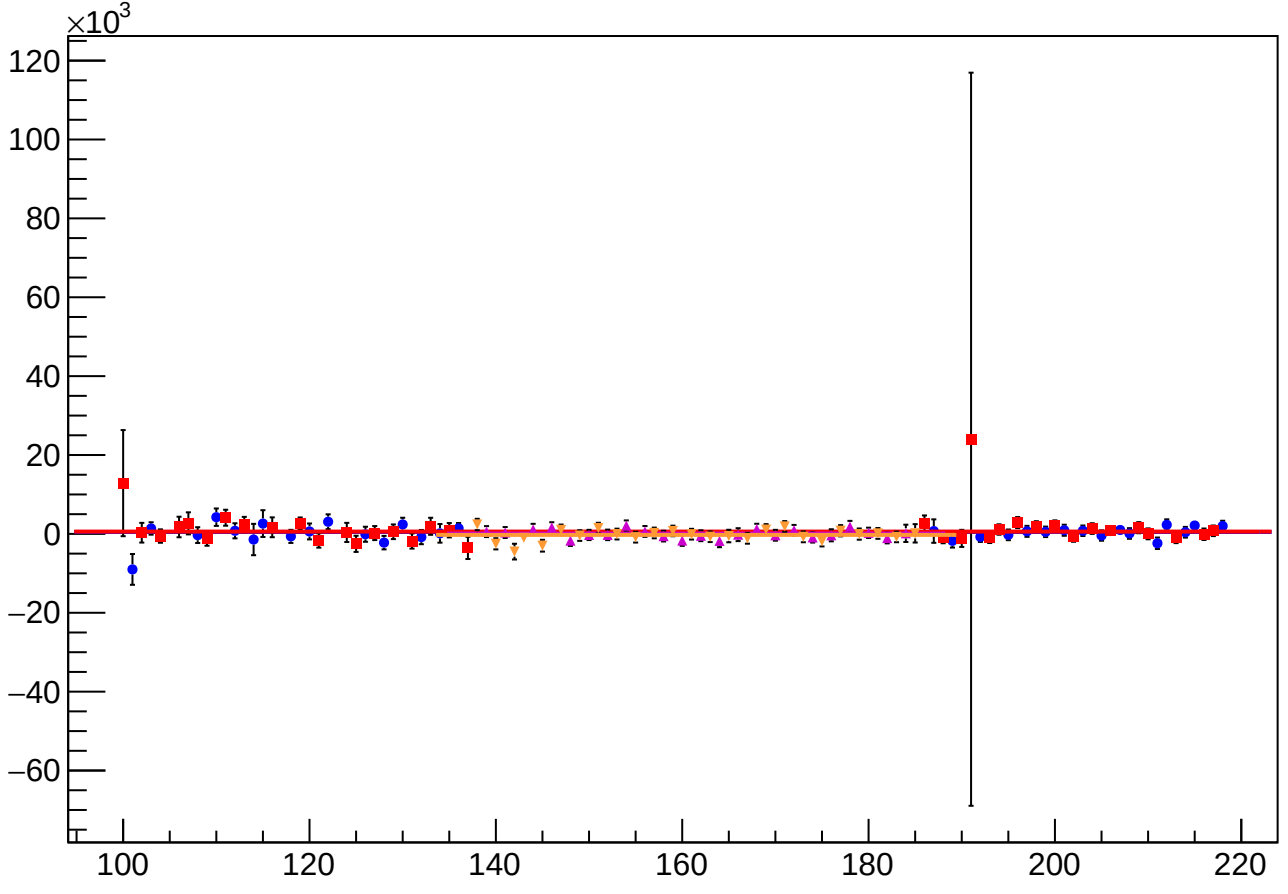
Left In: 582.189+/-0.097 χ^2/NDF:559258.0/22

+ sign 703.899+/-0.086 χ^2/NDF: 11330153.3/56

All: 704.873+/-0.061 χ^2/NDF: 23210938.1/11

- sign 705.884+/-0.087 χ^2/NDF: 11880522.0/58

dit_asym_at1_dd_at2_dd_avg_mean vs Slug



Right In: 490.221+/-283.287 χ^2/NDF: 29.5/31

Left Out: -250.849+/-279.923 χ^2/NDF:24.0/24

Right Out: 582.664+/-283.147 χ^2/NDF: 29.2/35

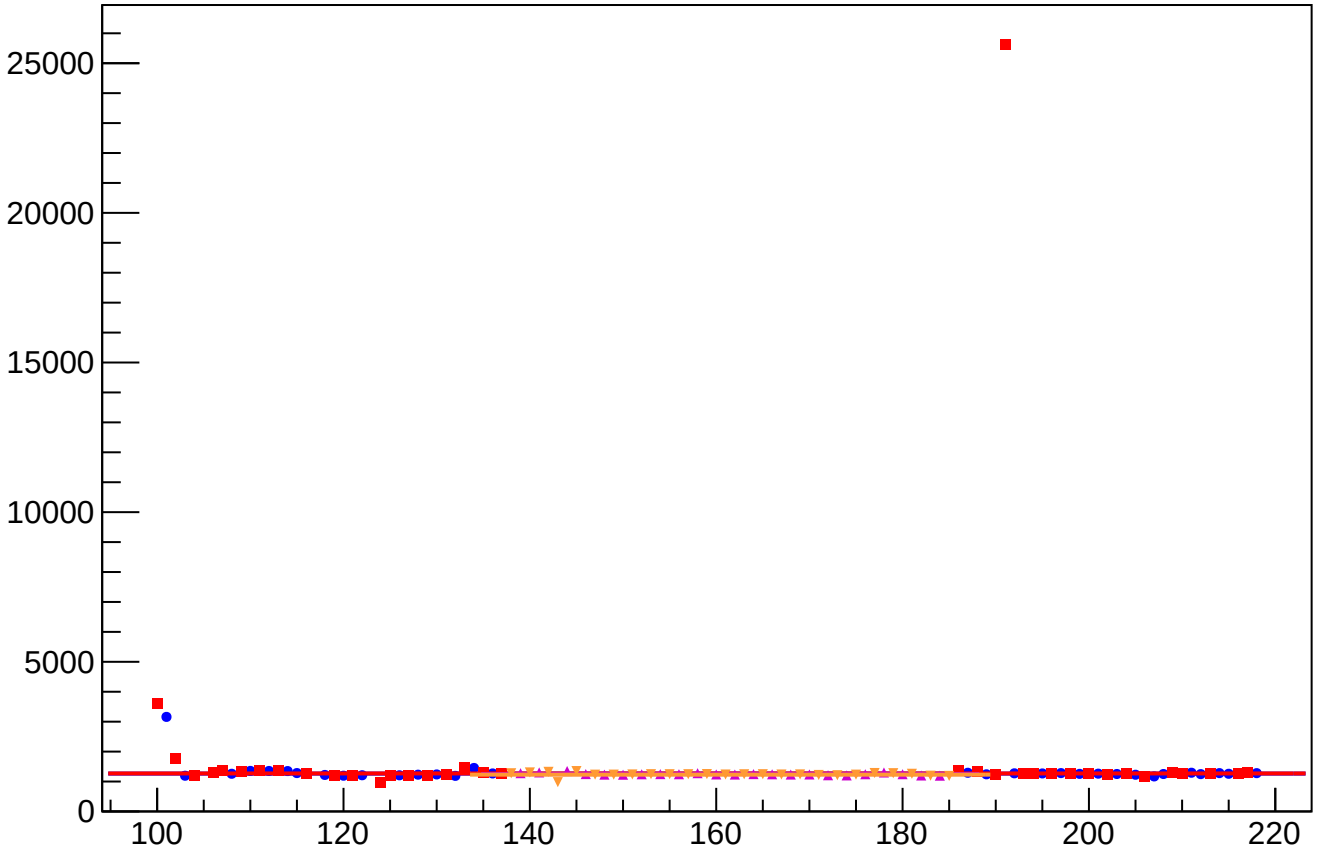
Left In: 74.881+/-291.458 χ^2/NDF:14.0/22

+ sign 115.259+/-199.114 χ^2/NDF: 57.0/56

All: 223.505+/-142.180 χ^2/NDF: 102.4/115

- sign 336.115+/-203.090 χ^2/NDF: 44.8/58

dit_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1264.529+/-0.200 χ^2/NDF: 525746.9/31

Left Out: 1229.986+/-0.198 χ^2/NDF:141607.5/24

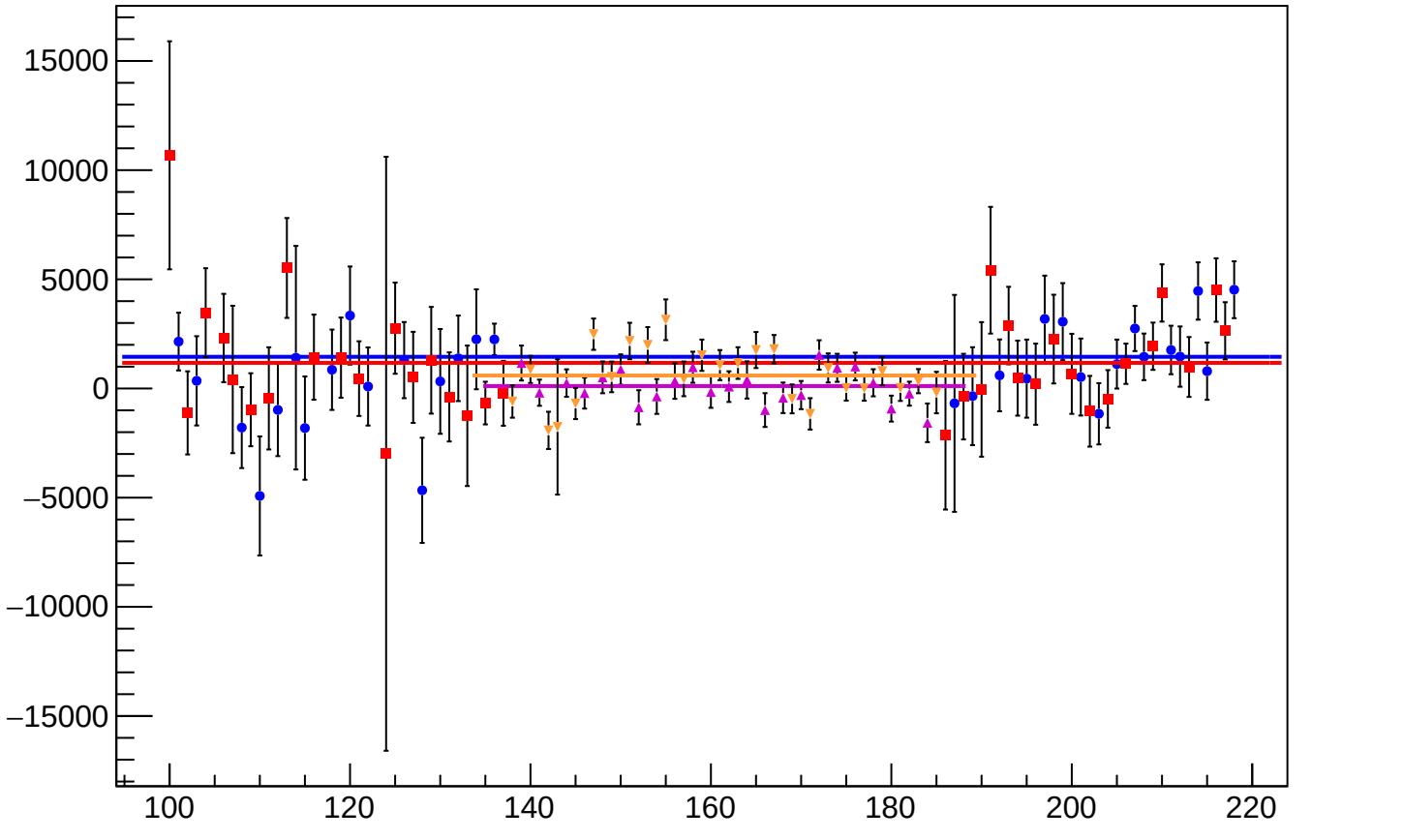
Right Out: 1269.837+/-0.200 χ^2/NDF: 385678.4/35

Left In: 1247.785+/-0.206 χ^2/NDF:27340.8/22

+ sign 1247.051+/-0.141 χ^2/NDF: 682400.4/56

All: 1252.971+/-0.101 χ^2/NDF: 1104917.2/11

- sign 1259.130+/-0.144 χ^2/NDF: 418909.5/58



Right In: 1451.023+/-271.650 χ^2/NDF: 41.3/31

Left Out: 595.000+/-142.130 χ^2/NDF:57.3/24

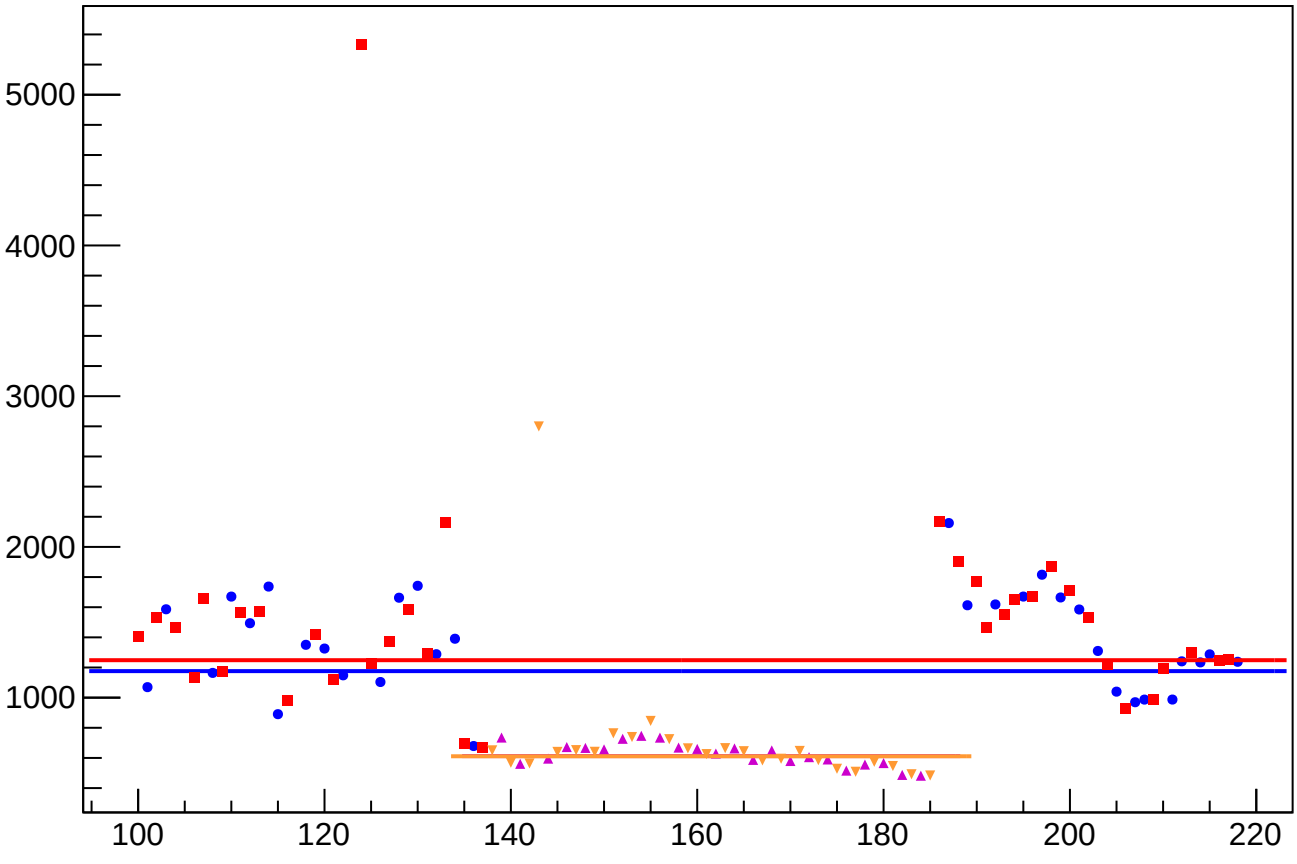
Right Out: 1173.960+/-286.304 χ^2/NDF: 40.7/35

Left In: 110.252+/-144.232 χ^2/NDF:25.7/22

+ sign 778.973+/-125.935 χ^2/NDF: 106.4/56

All: 557.386+/-90.049 χ^2/NDF: 190.2/115

- sign 325.564+/-128.810 χ^2/NDF: 77.5/58



Right In: 1176.017+/-0.192 χ^2/NDF: 2650740.6/31

Left Out: 611.087+/-0.101 χ^2/NDF:1619322.3/24

Right Out: 1248.483+/-0.202 χ^2/NDF: 3030929.2/35

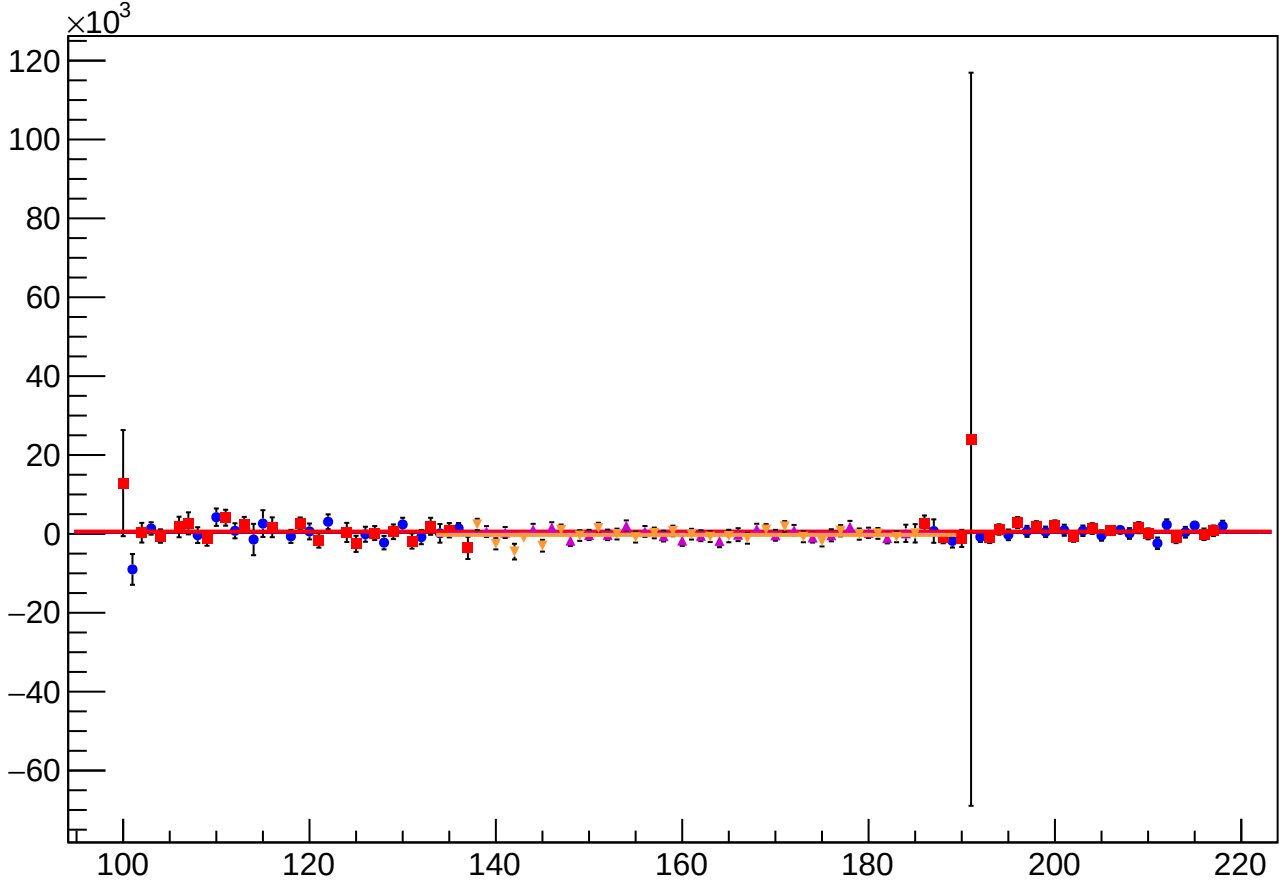
Left In: 612.399+/-0.102 χ^2/NDF:508595.4/22

+ sign 732.500+/-0.089 χ^2/NDF: 11060782.0/56

All: 736.729+/-0.064 χ^2/NDF: 22478638.4/11

- sign 741.153+/-0.091 χ^2/NDF: 11413241.8/58

eigen_dit_asym_at1_dd_at2_dd_avg_mean vs Slug



Right In: 490.217+/-283.287 χ^2/NDF: 29.5/31

Left Out: -250.851+/-279.923 χ^2/NDF:24.0/24

Right Out: 582.662+/-283.147 χ^2/NDF: 29.2/35

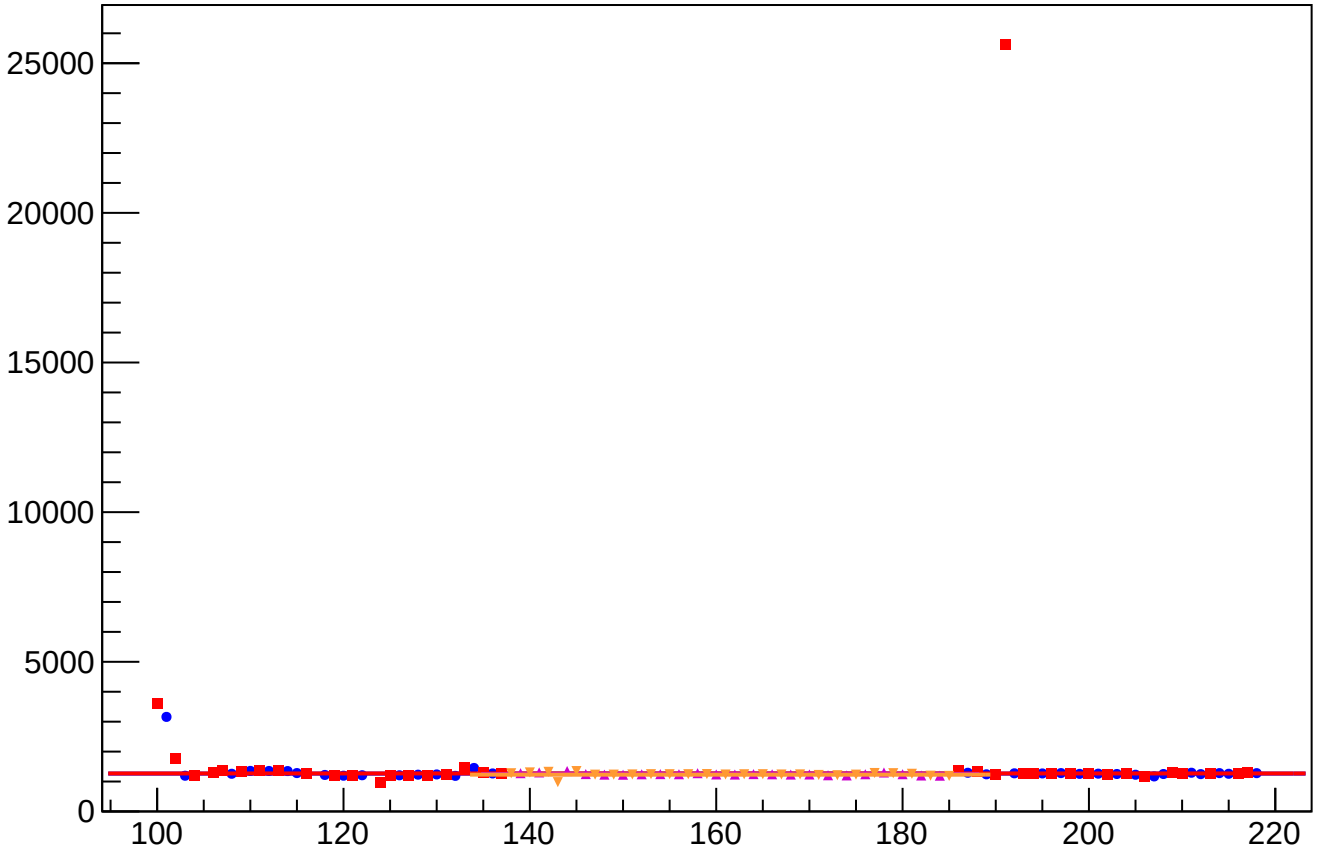
Left In: 74.881+/-291.458 χ^2/NDF:14.0/22

+ sign 115.256+/-199.114 χ^2/NDF: 57.0/56

All: 223.502+/-142.180 χ^2/NDF: 102.4/115

- sign 336.114+/-203.090 χ^2/NDF: 44.8/58

eigen_dit_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1264.529+/-0.200 χ^2/NDF: 525747.0/31

Left Out: 1229.986+/-0.198 χ^2/NDF:141606.6/24

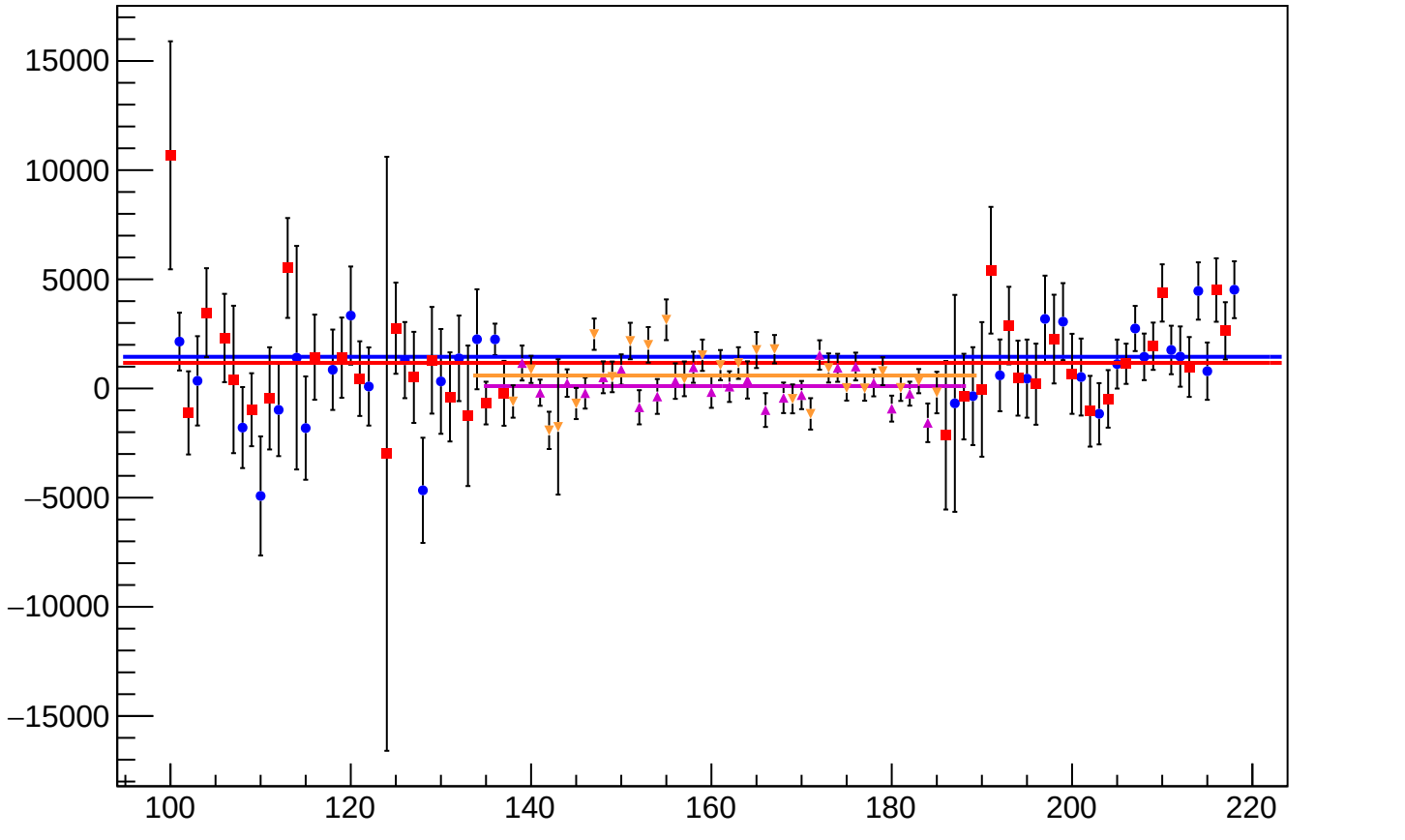
Right Out: 1269.837+/-0.200 χ^2/NDF: 385678.2/35

Left In: 1247.785+/-0.206 χ^2/NDF:27340.7/22

+ sign 1247.051+/-0.141 χ^2/NDF: 682399.5/56

All: 1252.971+/-0.101 χ^2/NDF: 1104916.1/11

- sign 1259.130+/-0.144 χ^2/NDF: 418909.3/58



Right In: 1451.023+/-271.650 χ^2/NDF: 41.3/31

Left Out: 595.000+/-142.130 χ^2/NDF:57.3/24

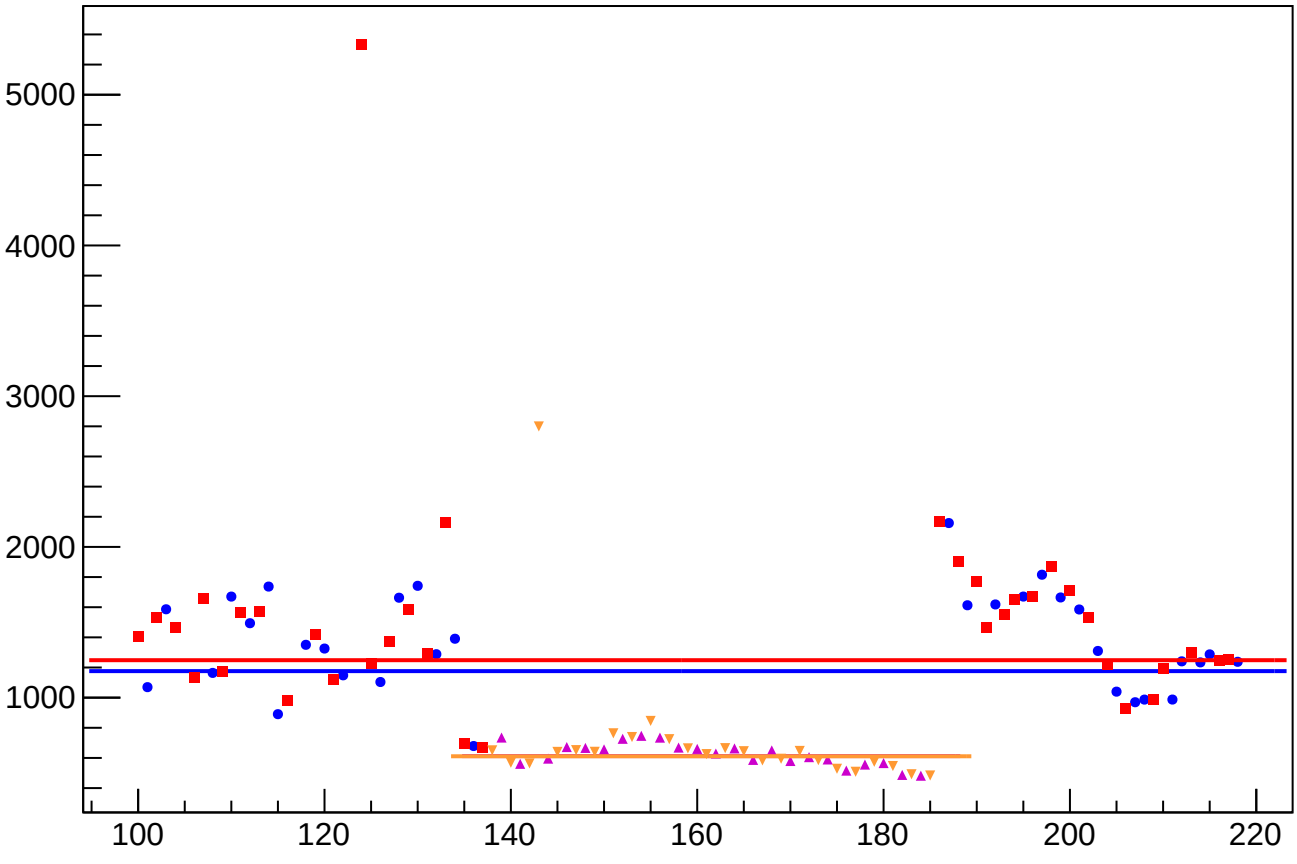
Right Out: 1173.961+/-286.305 χ^2/NDF: 40.7/35

Left In: 110.251+/-144.232 χ^2/NDF:25.7/22

+ sign 778.973+/-125.935 χ^2/NDF: 106.4/56

All: 557.386+/-90.049 χ^2/NDF: 190.2/115

- sign 325.562+/-128.810 χ^2/NDF: 77.5/58



Right In: 1176.018+/-0.192 χ^2/NDF: 2650679.5/31

Left Out: 611.086+/-0.101 χ^2/NDF:1619319.5/24

Right Out: 1248.486+/-0.202 χ^2/NDF: 3030872.4/35

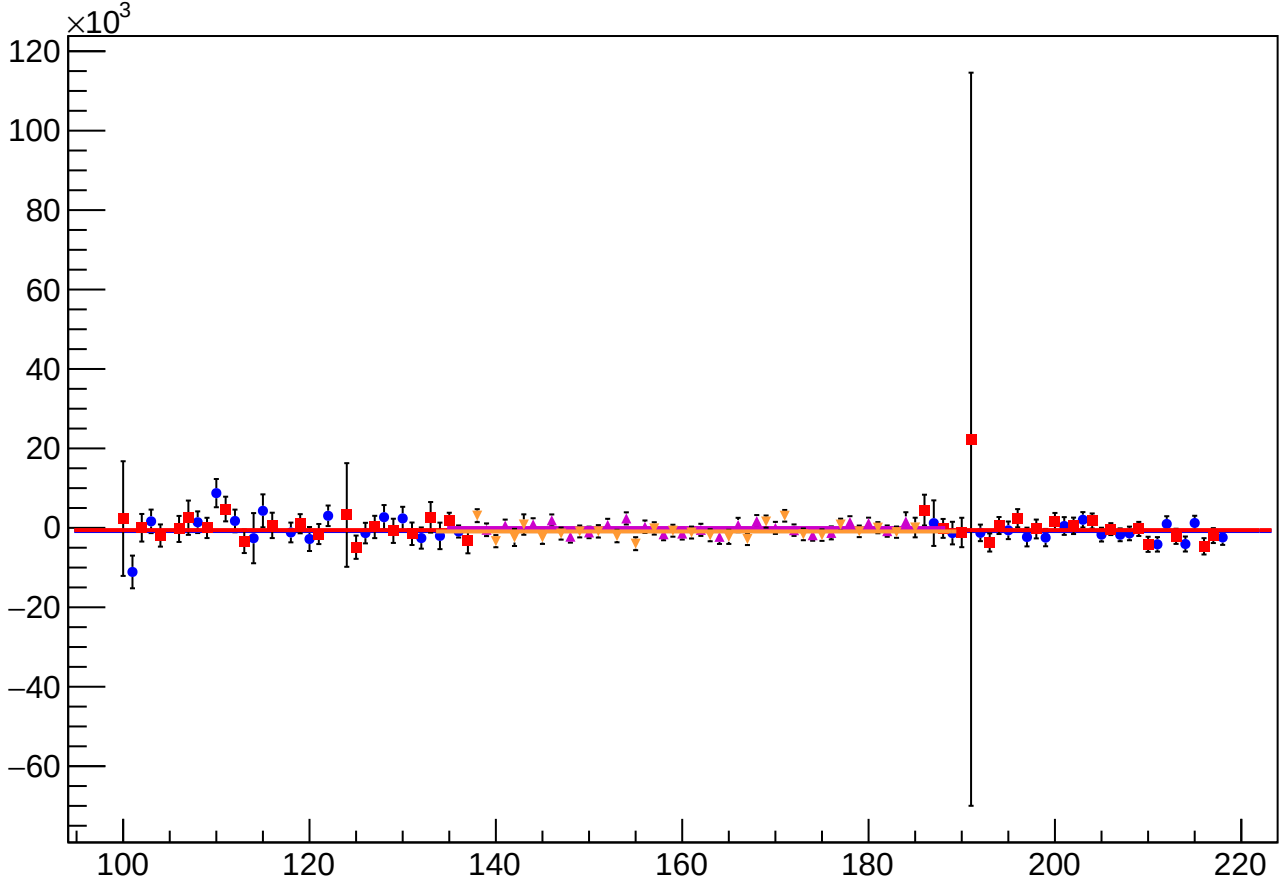
Left In: 612.398+/-0.102 χ^2/NDF:508597.7/22

+ sign 732.500+/-0.089 χ^2/NDF: 11060743.1/56

All: 736.728+/-0.064 χ^2/NDF: 22478615.9/11

- sign 741.152+/-0.091 χ^2/NDF: 11413258.6/58

asym_at1_dd_at2_dd_avg_mean vs Slug



Right In: -801.980+/-409.146 χ^2/NDF: 36.5/31

Left Out: -899.894+/-316.449 χ^2/NDF:29.8/24

Right Out: -563.449+/-419.443 χ^2/NDF: 27.6/35

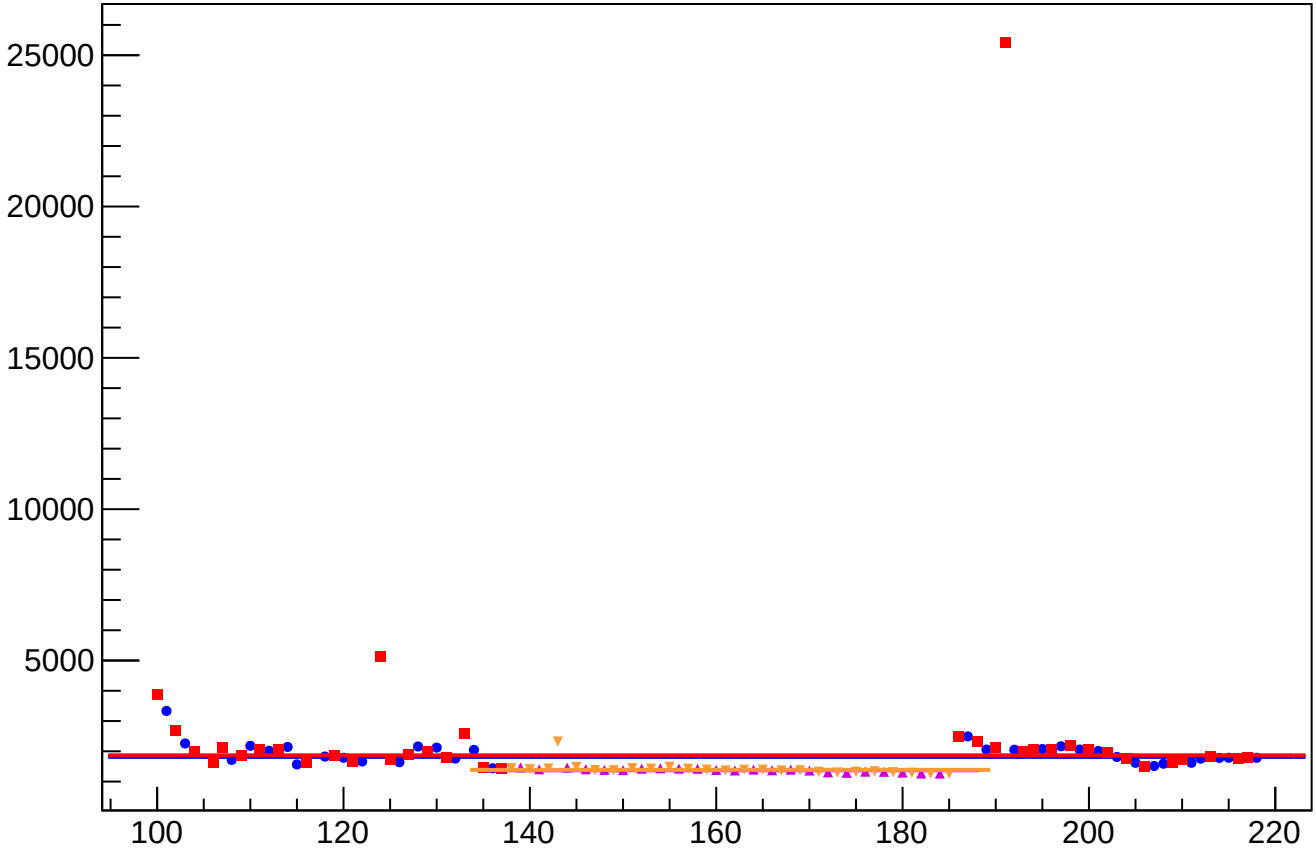
Left In: -48.178+/-320.929 χ^2/NDF:17.9/22

+ sign -863.245+/-250.315 χ^2/NDF: 66.4/56

All: -556.490+/-178.592 χ^2/NDF: 115.9/115

- sign -238.444+/-254.880 χ^2/NDF: 46.5/58

asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1816.005+/-0.289 χ^2/NDF: 894126.1/31

Left Out: 1386.845+/-0.224 χ^2/NDF:339794.5/24

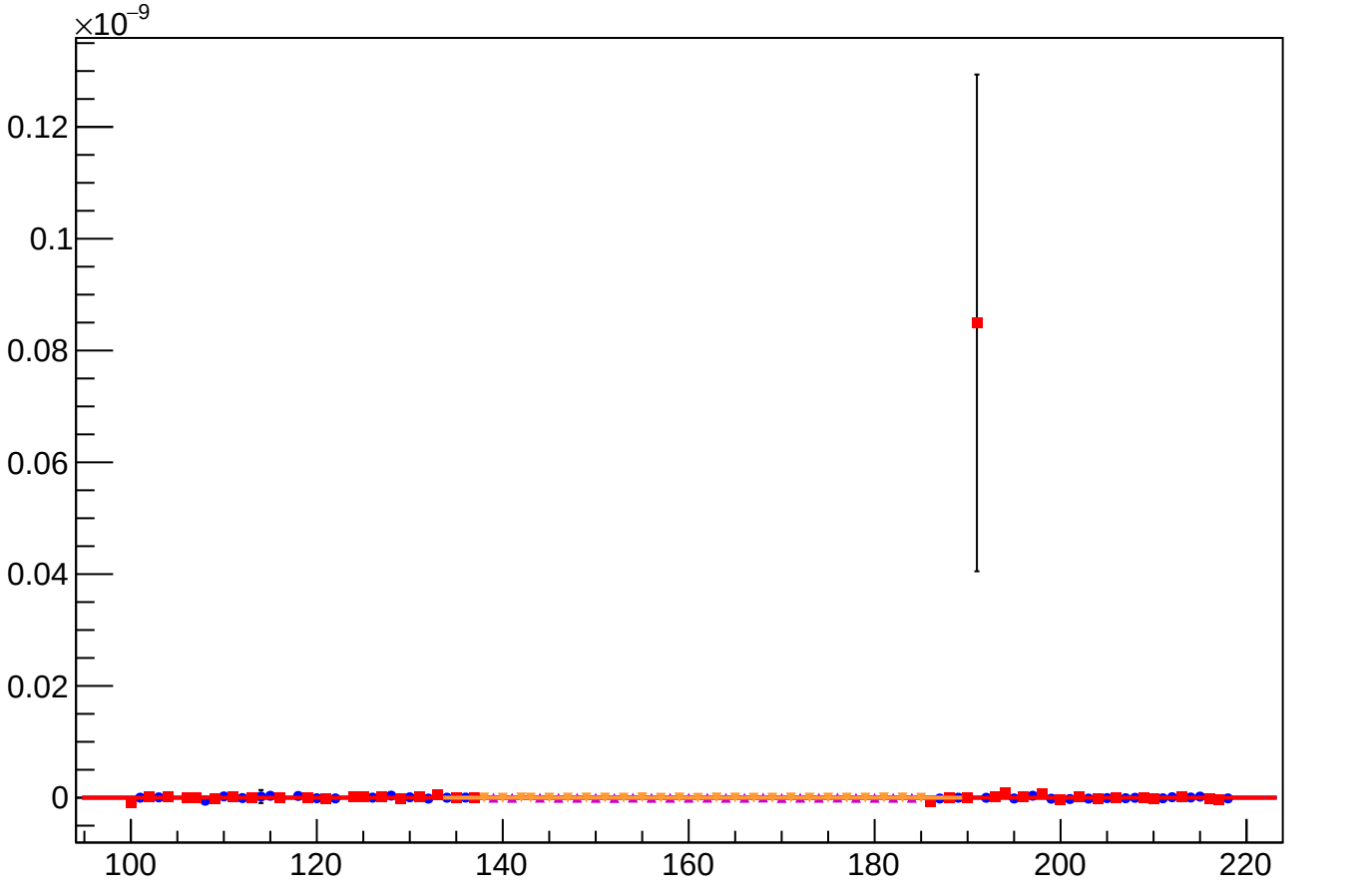
Right Out: 1866.677+/-0.297 χ^2/NDF: 1059515.3/35

Left In: 1373.217+/-0.227 χ^2/NDF:64467.6/22

+ sign 1547.479+/-0.177 χ^2/NDF: 2610752.1/56

All: 1551.383+/-0.126 χ^2/NDF: 5481731.0/11

- sign 1555.430+/-0.180 χ^2/NDF: 2869988.1/58



Right In: 0.000+/-0.000 χ^2/NDF: 28.3/31

Left Out: 0.000+/-0.000 χ^2/NDF:24.8/24

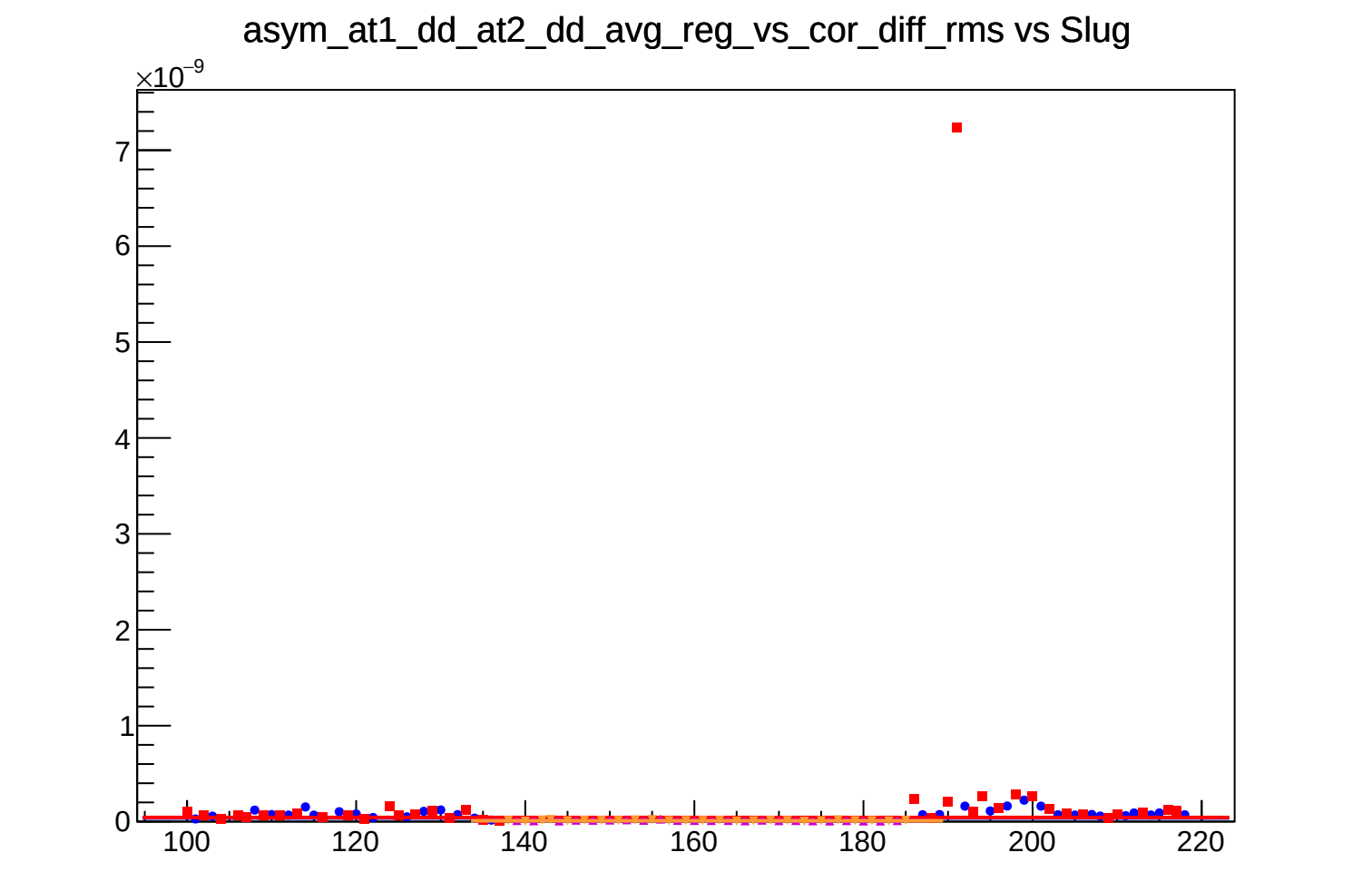
Right Out: 0.000+/-0.000 χ^2/NDF: 56.8/35

Left In: -0.000+/-0.000 χ^2/NDF:13.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 53.1/56

All: 0.000+/-0.000 χ^2/NDF: 124.4/115

- sign -0.000+/-0.000 χ^2/NDF: 70.5/58



Right In: 0.000+/-0.000 χ^2/NDF: 7151204.2/31

Left Out: 0.000+/-0.000 χ^2/NDF:2148494.6/24

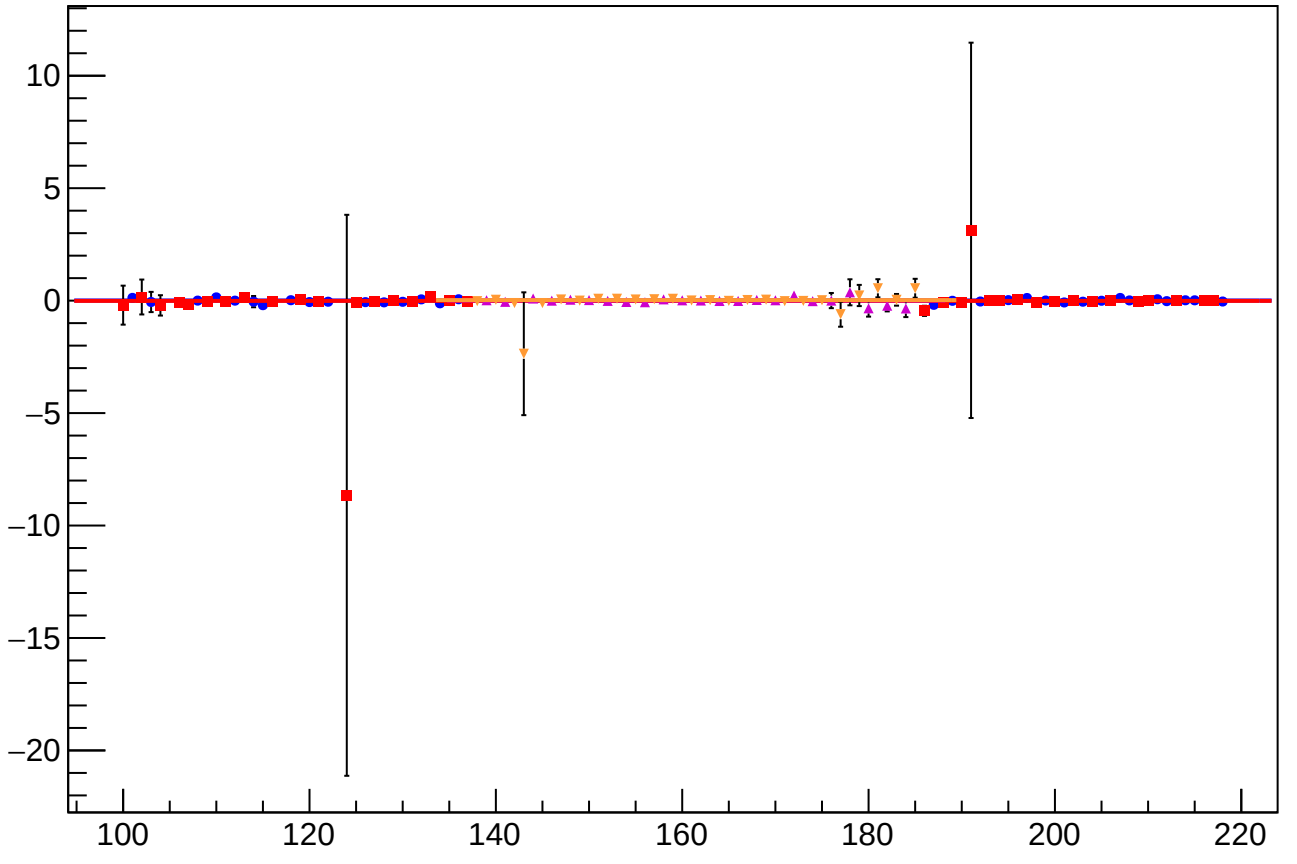
Right Out: 0.000+/-0.000 χ^2/NDF: 7667075.9/35

Left In: 0.000+/-0.000 χ^2/NDF:1232395.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 15419422.1/56

All: 0.000+/-0.000 χ^2/NDF: 30217731.8/115

- sign 0.000+/-0.000 χ^2/NDF: 14525833.5/58



Right In: 0.006+/-0.008 χ^2/NDF: 48.2/31

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: -0.011+/-0.009 χ^2/NDF: 24.5/35

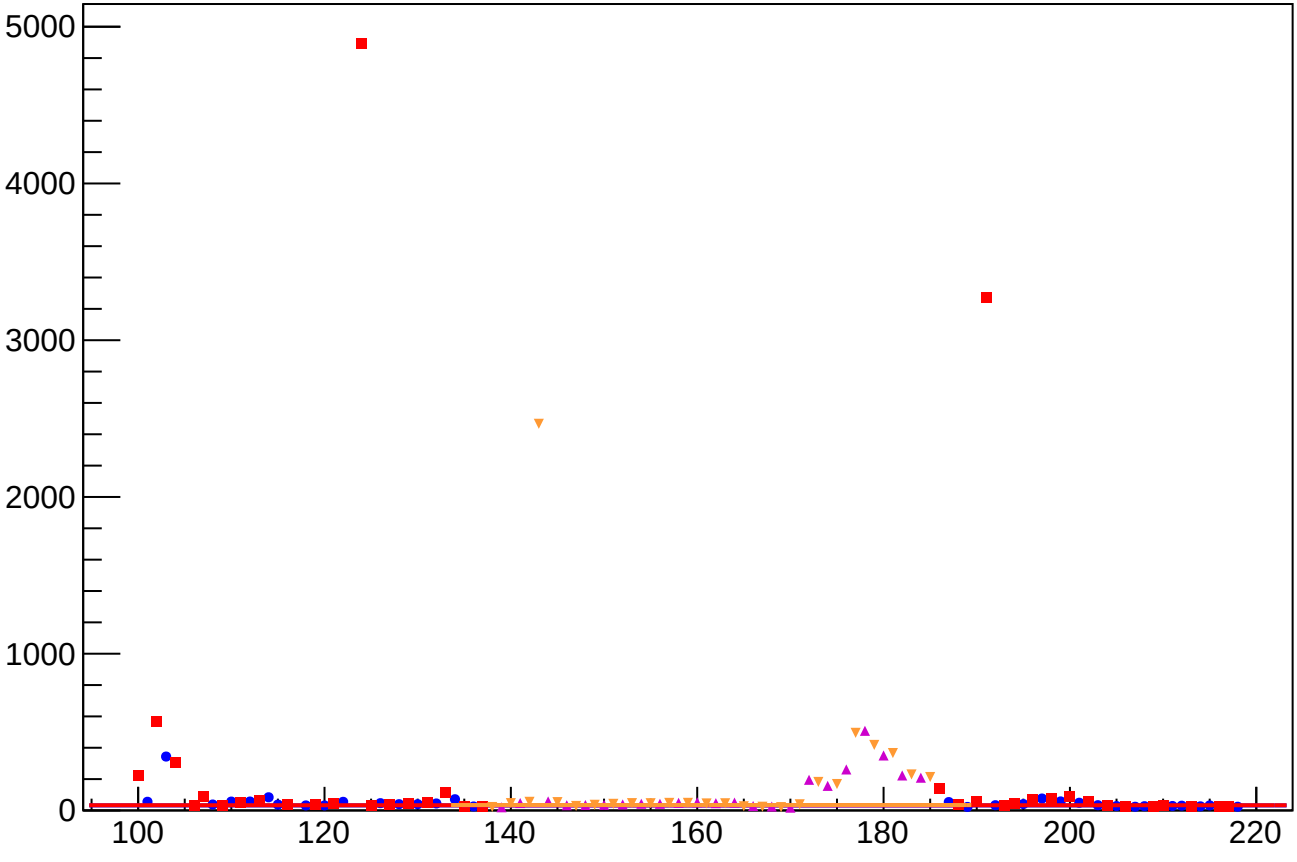
Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

+ sign 0.013+/-0.006 χ^2/NDF: 72.8/56

All: 0.006+/-0.005 χ^2/NDF: 117.1/115

- sign -0.002+/-0.007 χ^2/NDF: 41.7/58

asym_at1_dd_at2_dd_avg_dit_vs_cor_diff_rms vs Slug



Right In: 32.041+/-0.006 χ^2/NDF: 3954577.6/31

Left Out: 34.624+/-0.007 χ^2/NDF:11402451.4/24

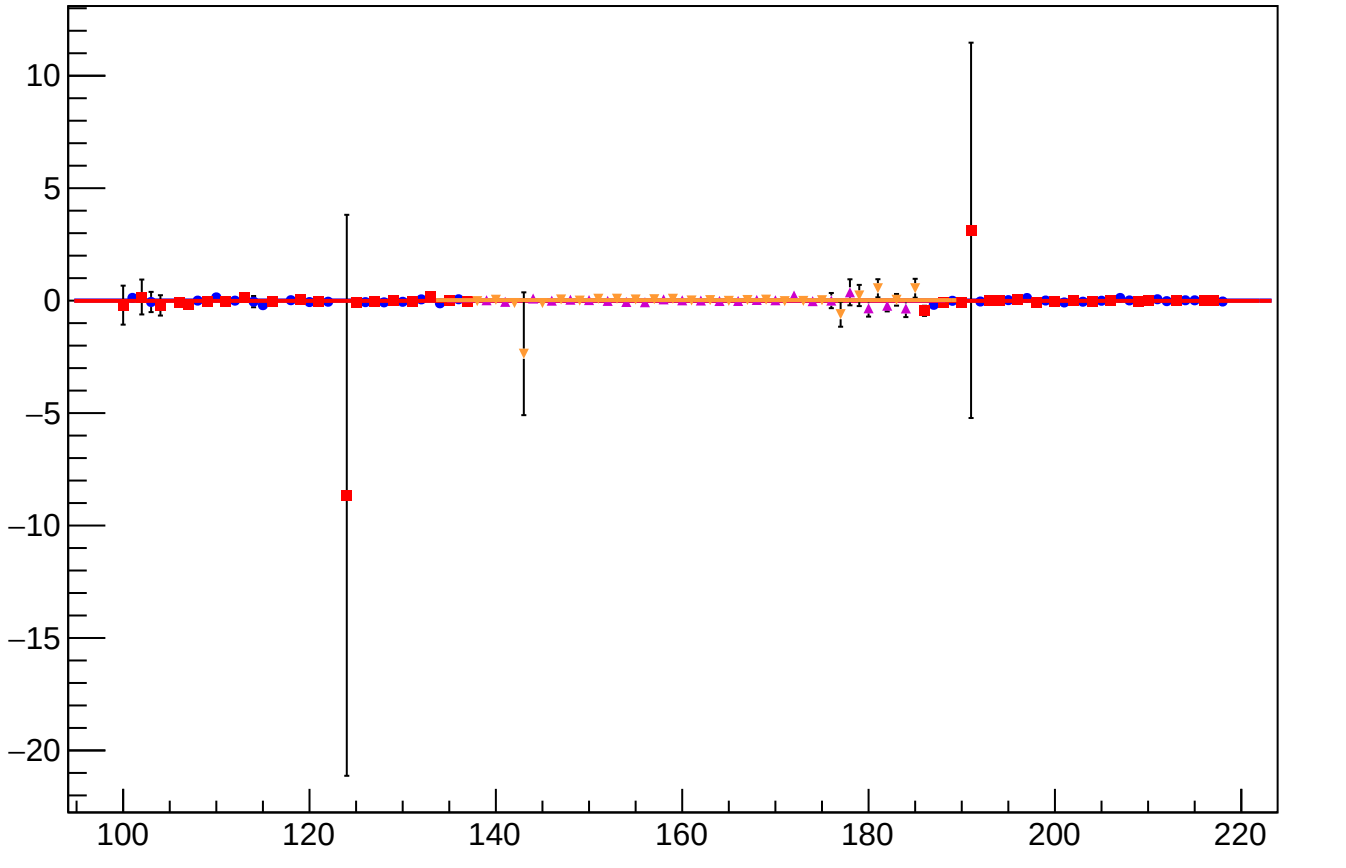
Right Out: 33.279+/-0.006 χ^2/NDF: 6794458.3/35

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

+ sign 33.055+/-0.005 χ^2/NDF: 15434798.1/56

All: 33.231+/-0.003 χ^2/NDF: 32300933.9/115

- sign 33.416+/-0.005 χ^2/NDF: 16863043.1/58



Right In: 0.006+/-0.008 χ^2/NDF: 48.2/31

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

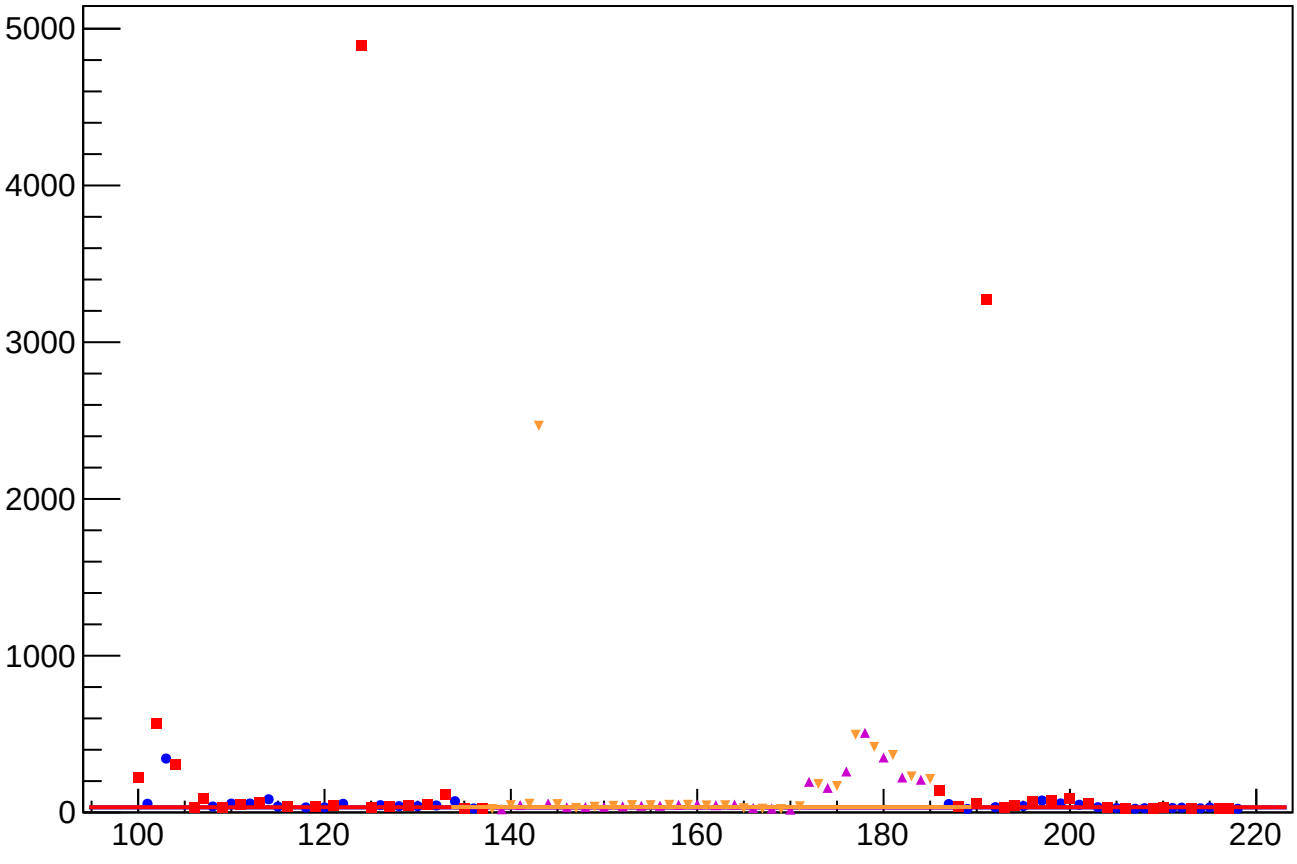
Right Out: -0.011+/-0.009 χ^2/NDF: 24.5/35

Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

+ sign 0.013+/-0.006 χ^2/NDF: 72.8/56

All: 0.006+/-0.005 χ^2/NDF: 117.1/115

- sign -0.002+/-0.007 χ^2/NDF: 41.7/58



Right In: 32.041+/-0.006 χ^2/NDF: 3954577.6/31

Left Out: 34.624+/-0.007 χ^2/NDF:11402451.4/24

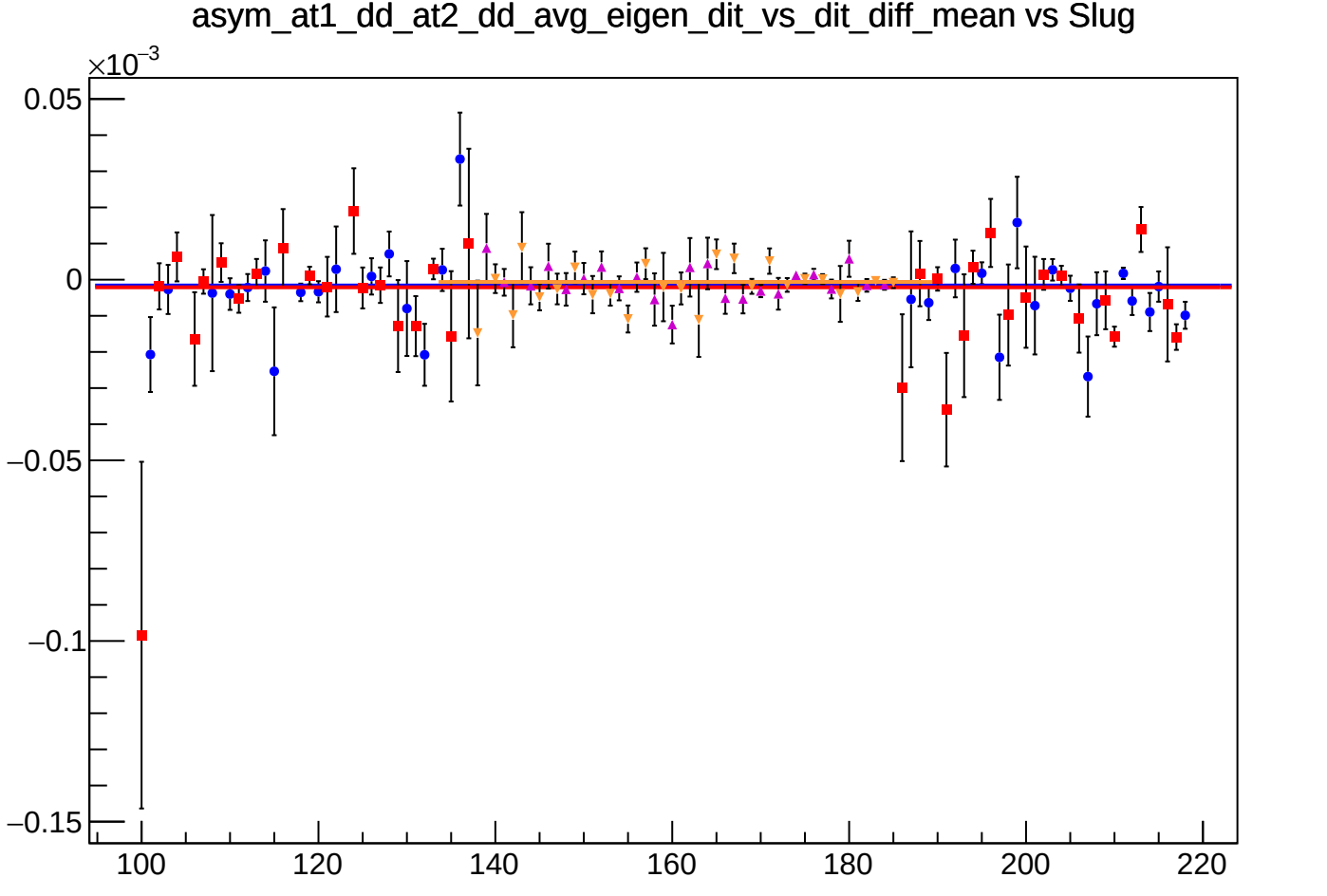
Right Out: 33.279+/-0.006 χ^2/NDF: 6794458.3/35

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

+ sign 33.055+/-0.005 χ^2/NDF: 15434798.1/56

All: 33.231+/-0.003 χ^2/NDF: 32300933.9/115

- sign 33.416+/-0.005 χ^2/NDF: 16863043.1/58



Right In: -0.000+/-0.000 χ^2/NDF: 50.1/31

Left Out: -0.000+/-0.000 χ^2/NDF:28.4/24

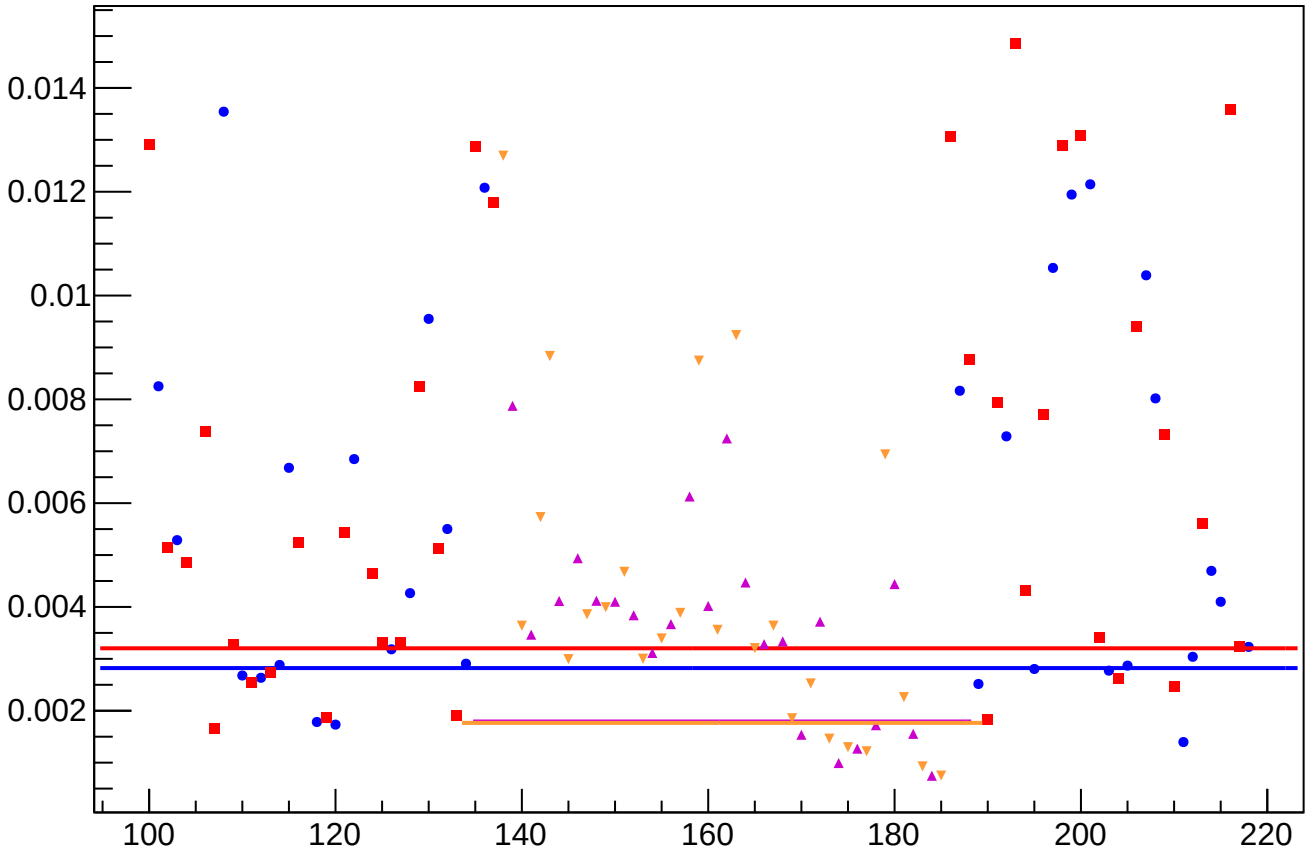
Right Out: -0.000+/-0.000 χ^2/NDF: 83.9/35

Left In: -0.000+/-0.000 χ^2/NDF:21.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 79.6/56

All: -0.000+/-0.000 χ^2/NDF: 187.6/115

- sign -0.000+/-0.000 χ^2/NDF: 107.9/58



Right In: 0.003+/-0.000 χ^2/NDF: 11550294.0/31

Left Out: 0.002+/-0.000 χ^2/NDF:12926339.2/24

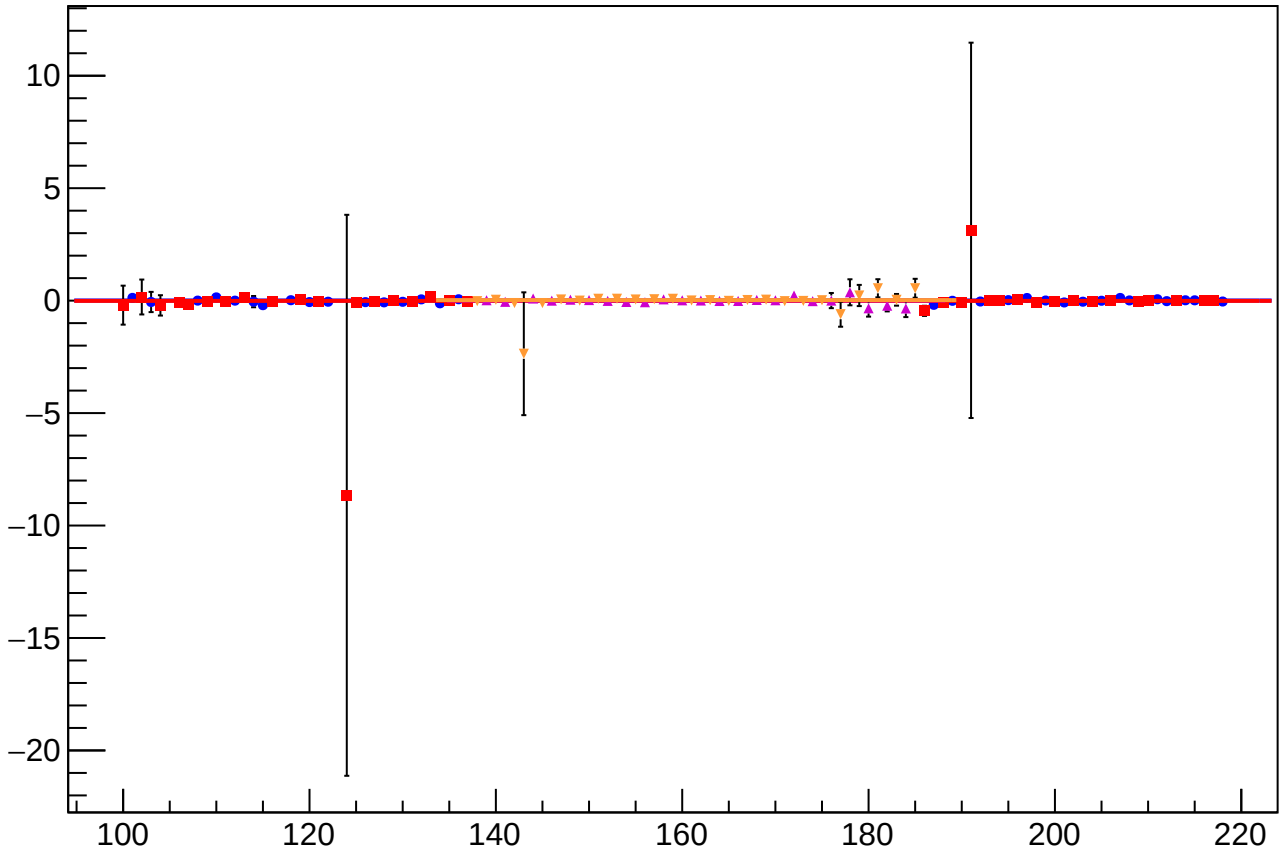
Right Out: 0.003+/-0.000 χ^2/NDF: 11597710.9/35

Left In: 0.002+/-0.000 χ^2/NDF:10766932.4/22

+ sign 0.002+/-0.000 χ^2/NDF: 27018191.5/56

All: 0.002+/-0.000 χ^2/NDF: 53299472.4/115

- sign 0.002+/-0.000 χ^2/NDF: 26212962.6/58



Right In: 0.006+/-0.008 χ^2/NDF: 48.2/31

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

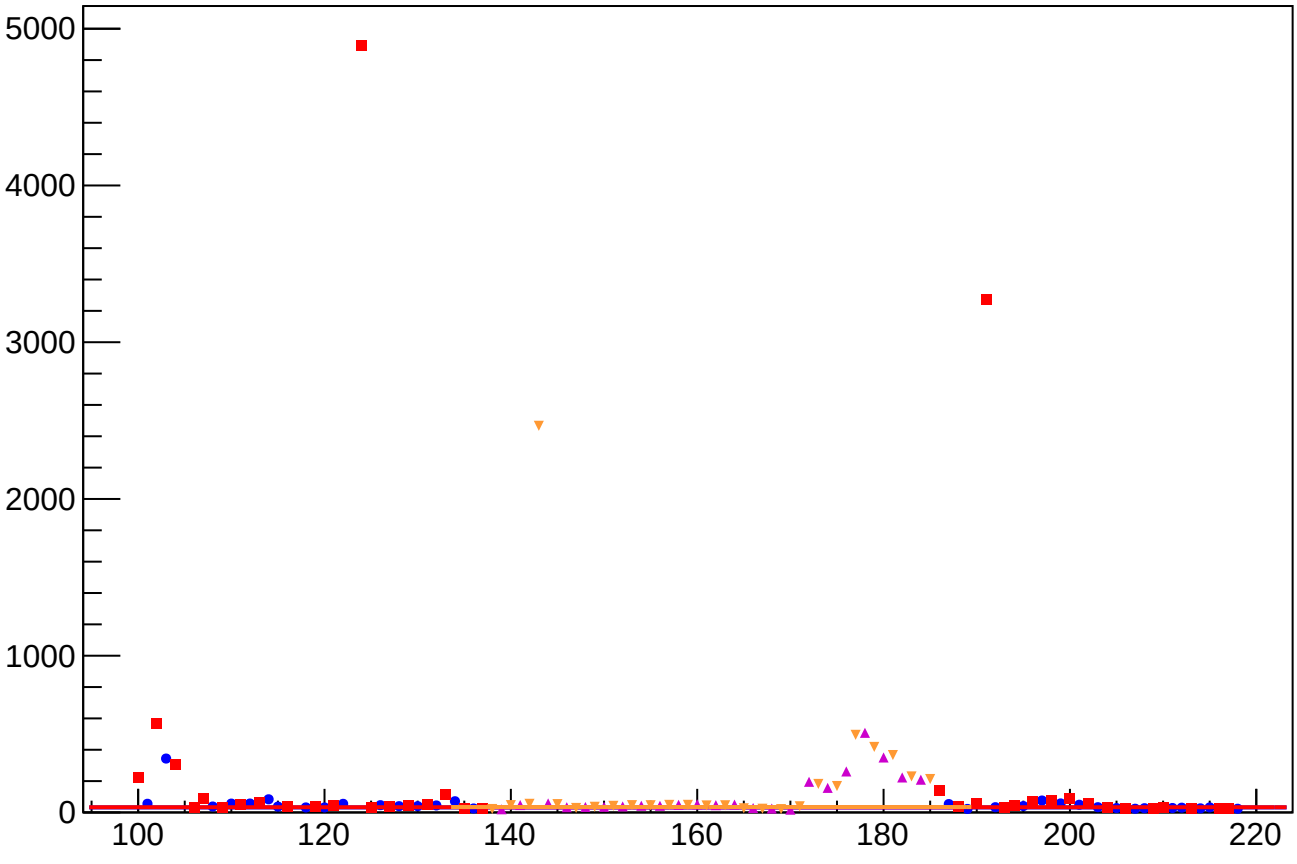
Right Out: -0.011+/-0.009 χ^2/NDF: 24.5/35

Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

+ sign 0.013+/-0.006 χ^2/NDF: 72.8/56

All: 0.006+/-0.005 χ^2/NDF: 117.1/115

- sign -0.002+/-0.007 χ^2/NDF: 41.7/58



Right In: 32.044+/-0.006 χ^2/NDF: 3953293.6/31

Left Out: 34.623+/-0.007 χ^2/NDF:11402566.2/24

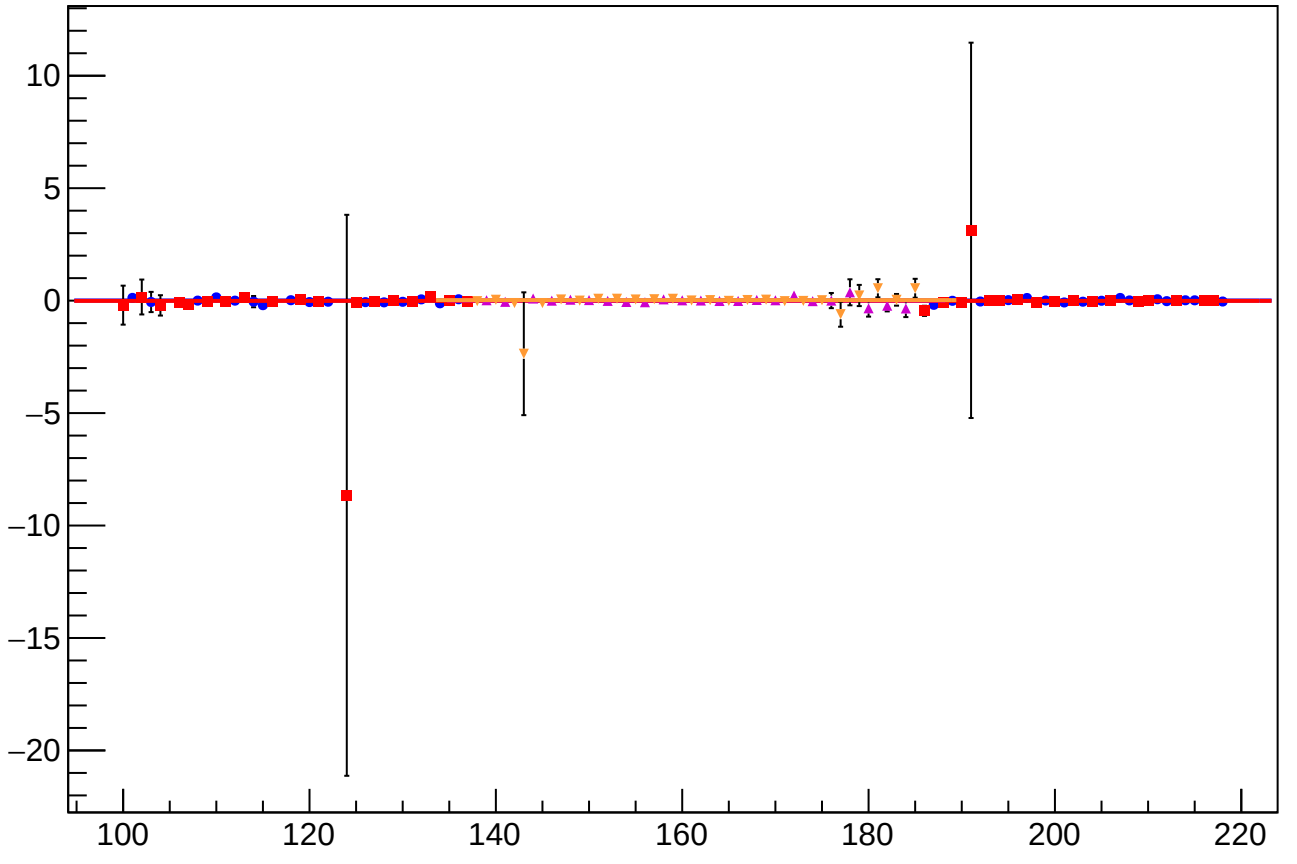
Right Out: 33.279+/-0.006 χ^2/NDF: 6794340.6/35

Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

+ sign 33.057+/-0.005 χ^2/NDF: 15433416.6/56

All: 33.232+/-0.003 χ^2/NDF: 32298178.2/115

- sign 33.417+/-0.005 χ^2/NDF: 16861668.4/58



Right In: 0.006+/-0.008 χ^2/NDF: 48.2/31

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: -0.011+/-0.009 χ^2/NDF: 24.5/35

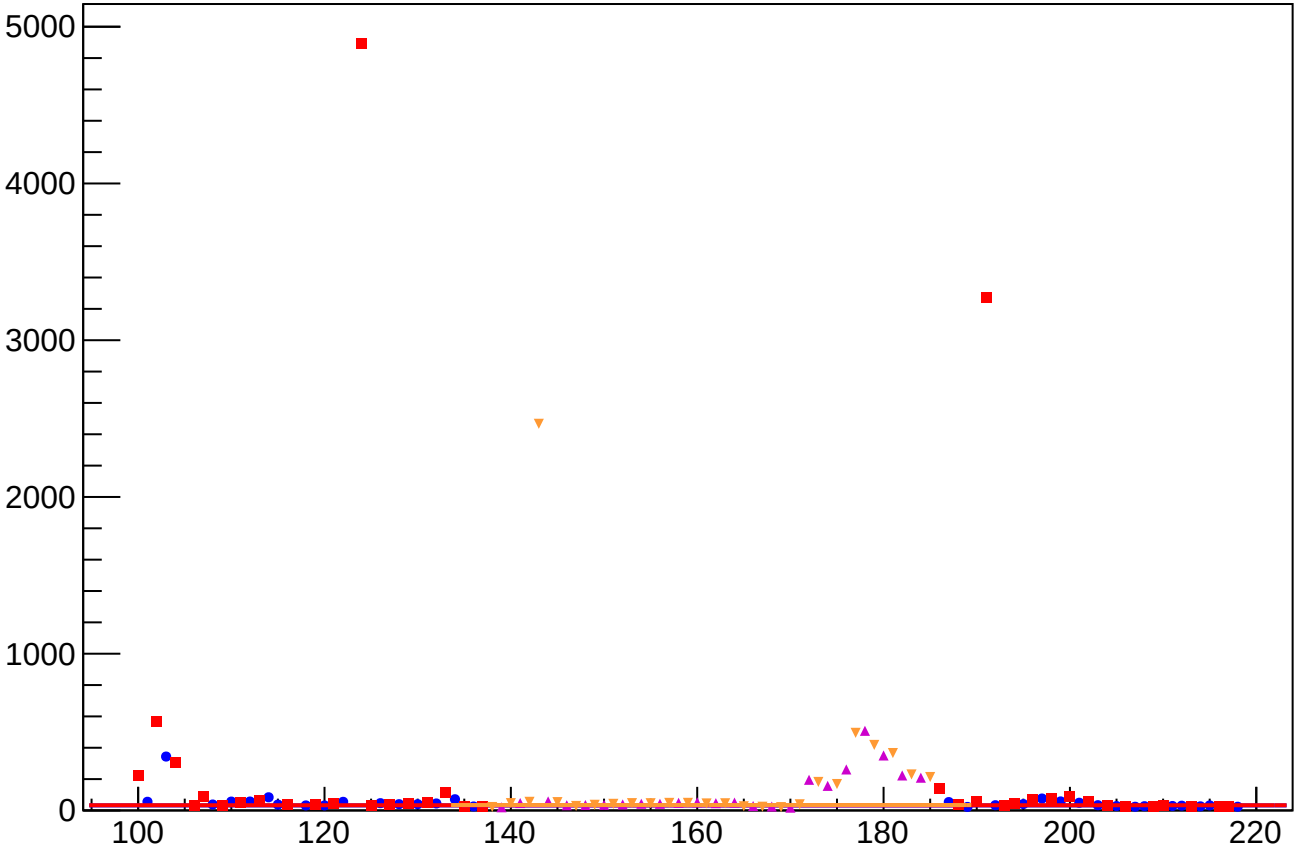
Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

+ sign 0.013+/-0.006 χ^2/NDF: 72.8/56

All: 0.006+/-0.005 χ^2/NDF: 117.1/115

- sign -0.002+/-0.007 χ^2/NDF: 41.7/58

asym_at1_dd_at2_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 32.044+/-0.006 χ^2/NDF: 3953293.6/31

Left Out: 34.623+/-0.007 χ^2/NDF:11402566.2/24

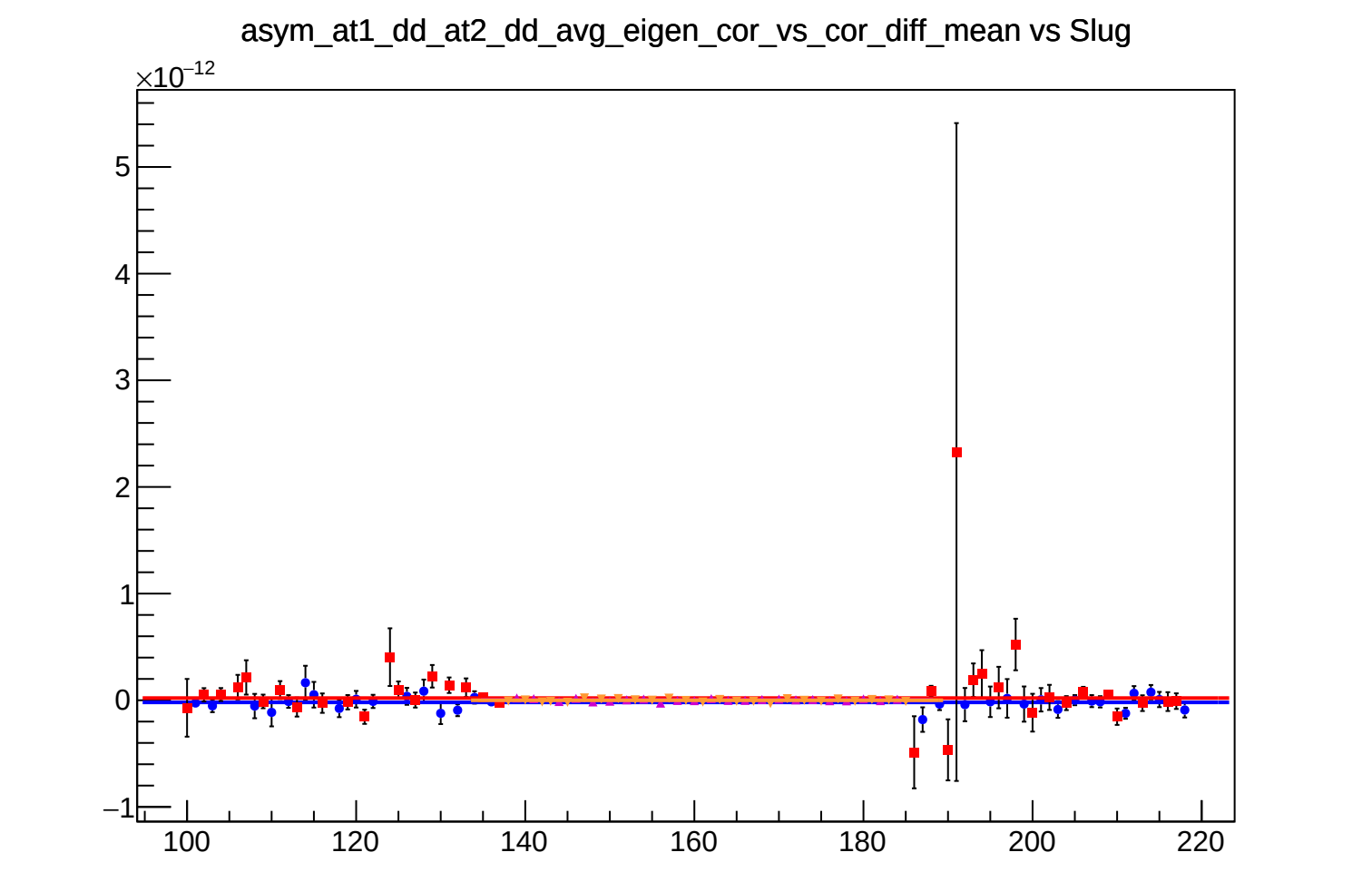
Right Out: 33.279+/-0.006 χ^2/NDF: 6794340.6/35

Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

+ sign 33.057+/-0.005 χ^2/NDF: 15433416.6/56

All: 33.232+/-0.003 χ^2/NDF: 32298178.2/115

- sign 33.417+/-0.005 χ^2/NDF: 16861668.4/58



Right In: -0.000+/-0.000 χ^2/NDF: 20.2/31

Left Out: -0.000+/-0.000 χ^2/NDF:26.0/24

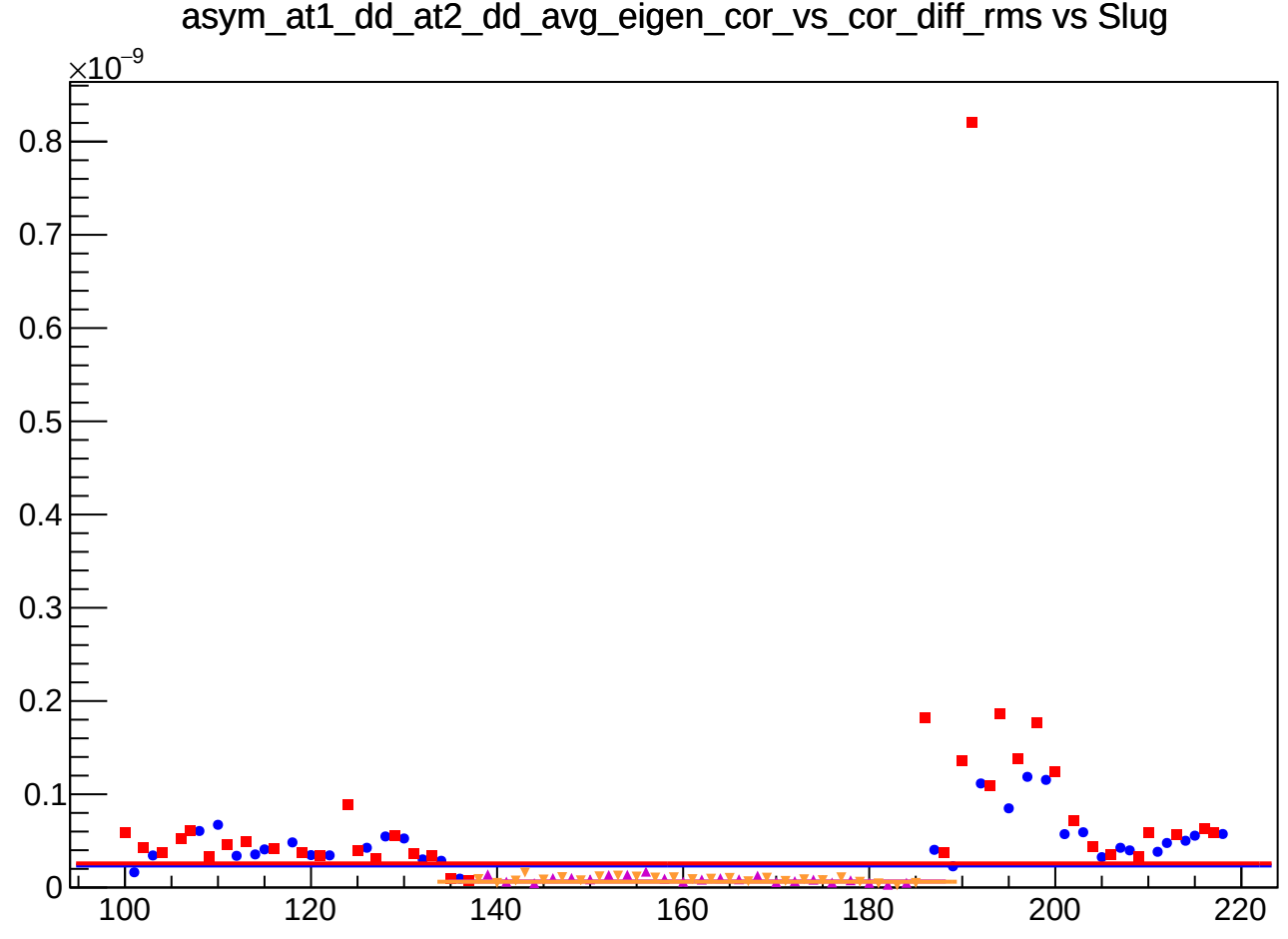
Right Out: 0.000+/-0.000 χ^2/NDF: 50.9/35

Left In: 0.000+/-0.000 χ^2/NDF:20.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 51.2/56

All: 0.000+/-0.000 χ^2/NDF: 127.8/115

- sign 0.000+/-0.000 χ^2/NDF: 74.4/58



Right In: 0.000+/-0.000 χ^2/NDF: 9000854.2/31

Left Out: 0.000+/-0.000 χ^2/NDF:5077918.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 11271684.6/35

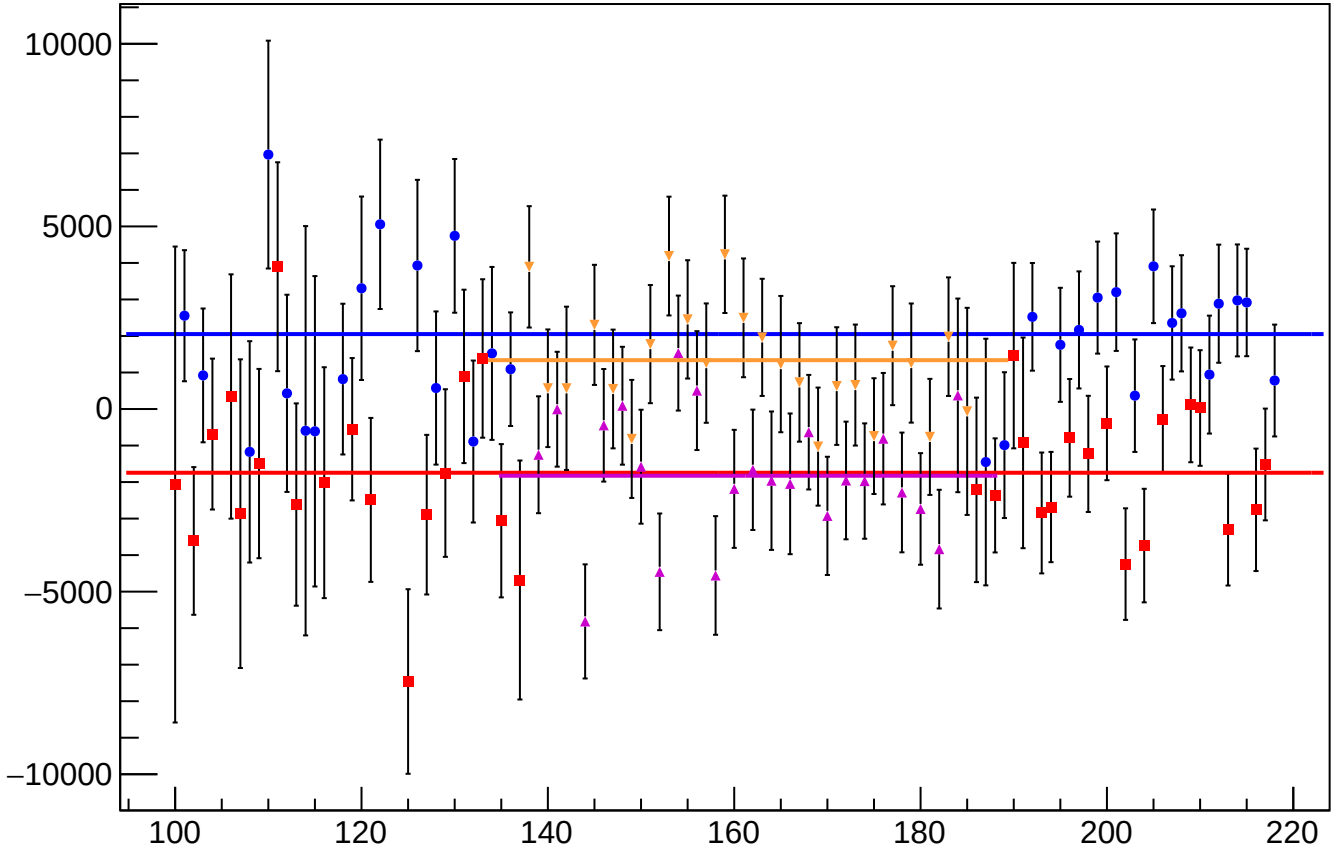
Left In: 0.000+/-0.000 χ^2/NDF:3998320.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 21739824.3/56

All: 0.000+/-0.000 χ^2/NDF: 44743596.1/115

- sign 0.000+/-0.000 χ^2/NDF: 22983801.1/58

reg_asym_usl_atl1_avg_mean vs Slug



Right In: 2051.838+/-329.893 χ^2/NDF: 21.7/31

Left Out: 1337.008+/-341.012 χ^2/NDF:19.2/23

Right Out: -1744.908+/-332.499 χ^2/NDF: 29.3/34

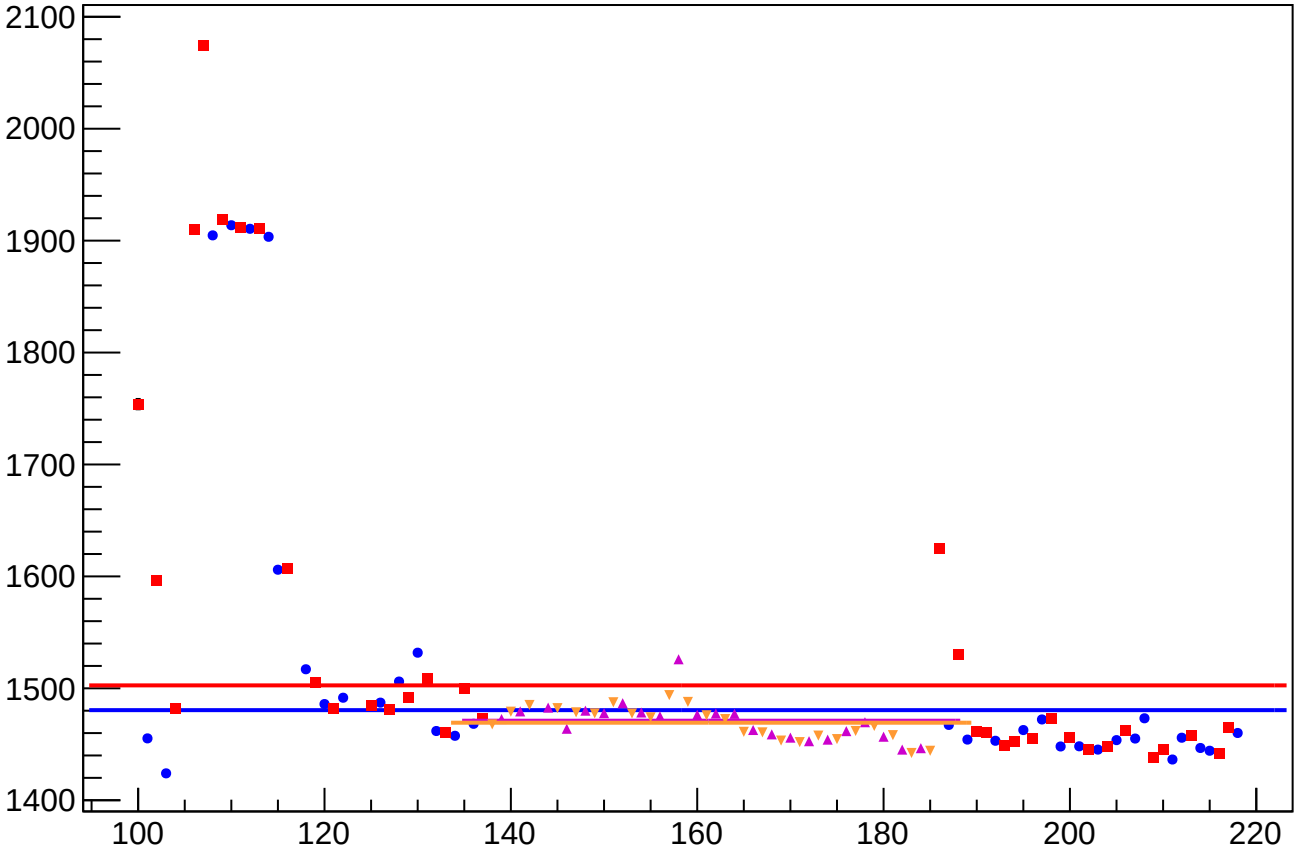
Left In: -1826.599+/-343.483 χ^2/NDF:26.5/22

+ sign 1706.268+/-237.103 χ^2/NDF: 43.2/55

All: -25.894+/-168.289 χ^2/NDF: 206.5/113

- sign -1784.426+/-238.901 χ^2/NDF: 55.8/57

reg_asym_usl_atl1_avg_rms vs Slug



Right In: 1480.497+/-0.233 χ^2/NDF: 156404.1/31

Left Out: 1469.267+/-0.241 χ^2/NDF:3155.3/23

Right Out: 1502.624+/-0.235 χ^2/NDF: 246614.6/34

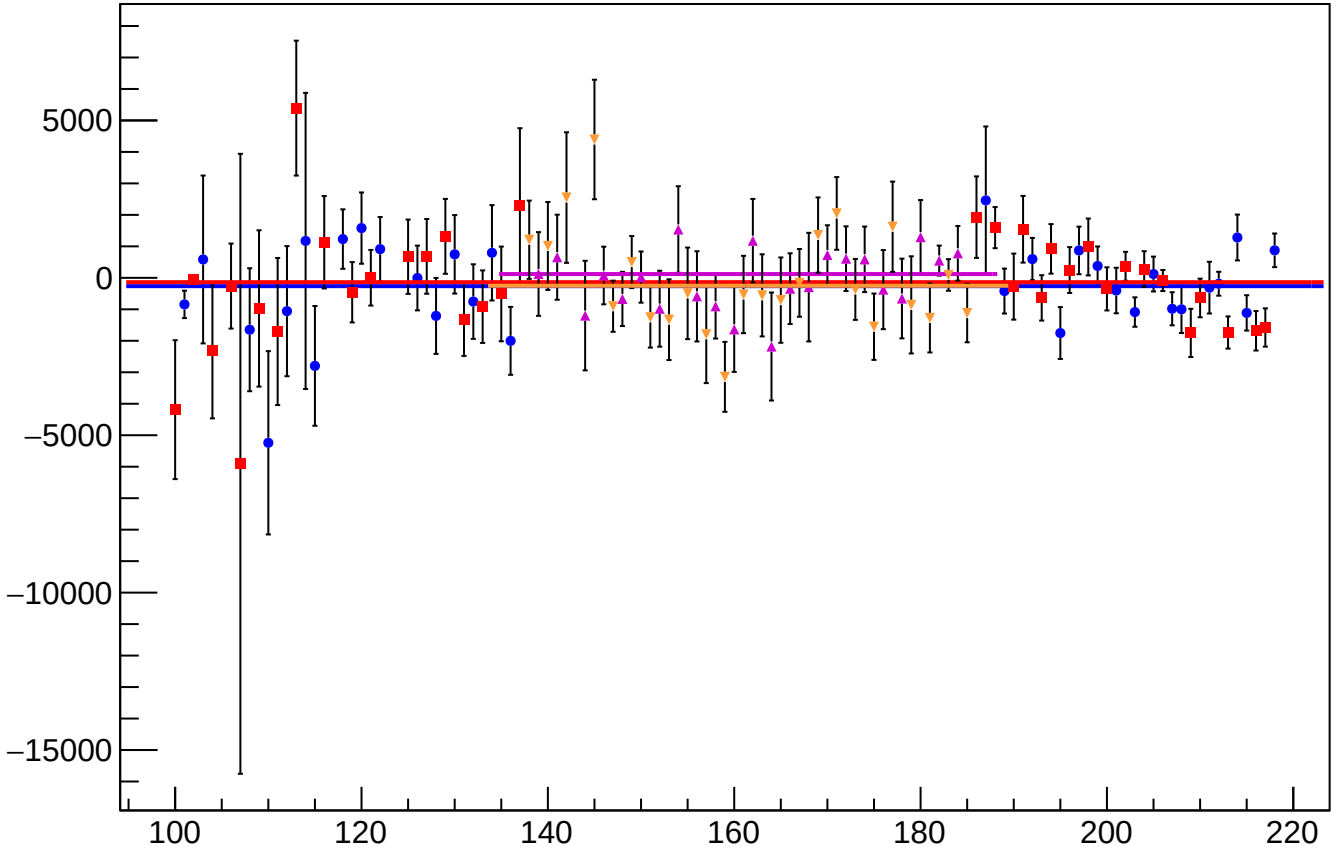
Left In: 1471.054+/-0.243 χ^2/NDF:4642.4/22

+ sign 1475.068+/-0.168 χ^2/NDF: 160680.0/55

All: 1481.164+/-0.119 χ^2/NDF: 423323.2/113

- sign 1487.352+/-0.169 χ^2/NDF: 259979.4/57

asym_usl_atl1_avg_reg_correction_mean vs Slug



Right In: -264.626+/-133.834 χ^2/NDF: 45.9/31

Left Out: -251.610+/-218.369 χ^2/NDF:32.7/23

Right Out: -137.925+/-97.550 χ^2/NDF: 62.8/34

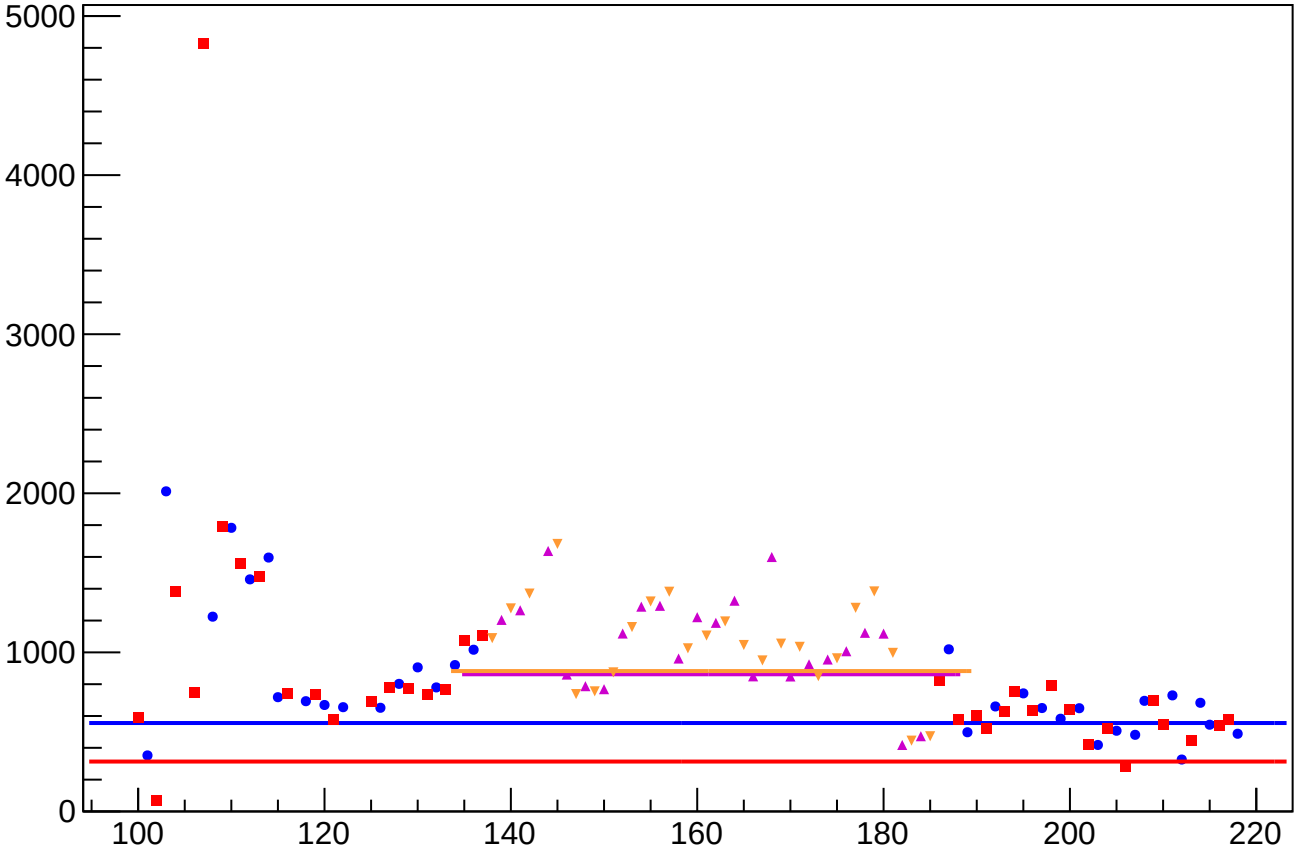
Left In: 119.802+/-215.975 χ^2/NDF:12.8/22

+ sign -261.072+/-114.108 χ^2/NDF: 78.6/55

All: -157.266+/-70.130 χ^2/NDF: 156.7/113

- sign -94.255+/-88.902 χ^2/NDF: 76.8/57

asym_usl_atl1_avg_reg_correction_rms vs Slug



Right In: 555.896+/-0.095 χ^2/NDF: 4531178.8/31

Left Out: 882.430+/-0.154 χ^2/NDF:3901279.8/23

Right Out: 313.684+/-0.069 χ^2/NDF: 17371207.5/34

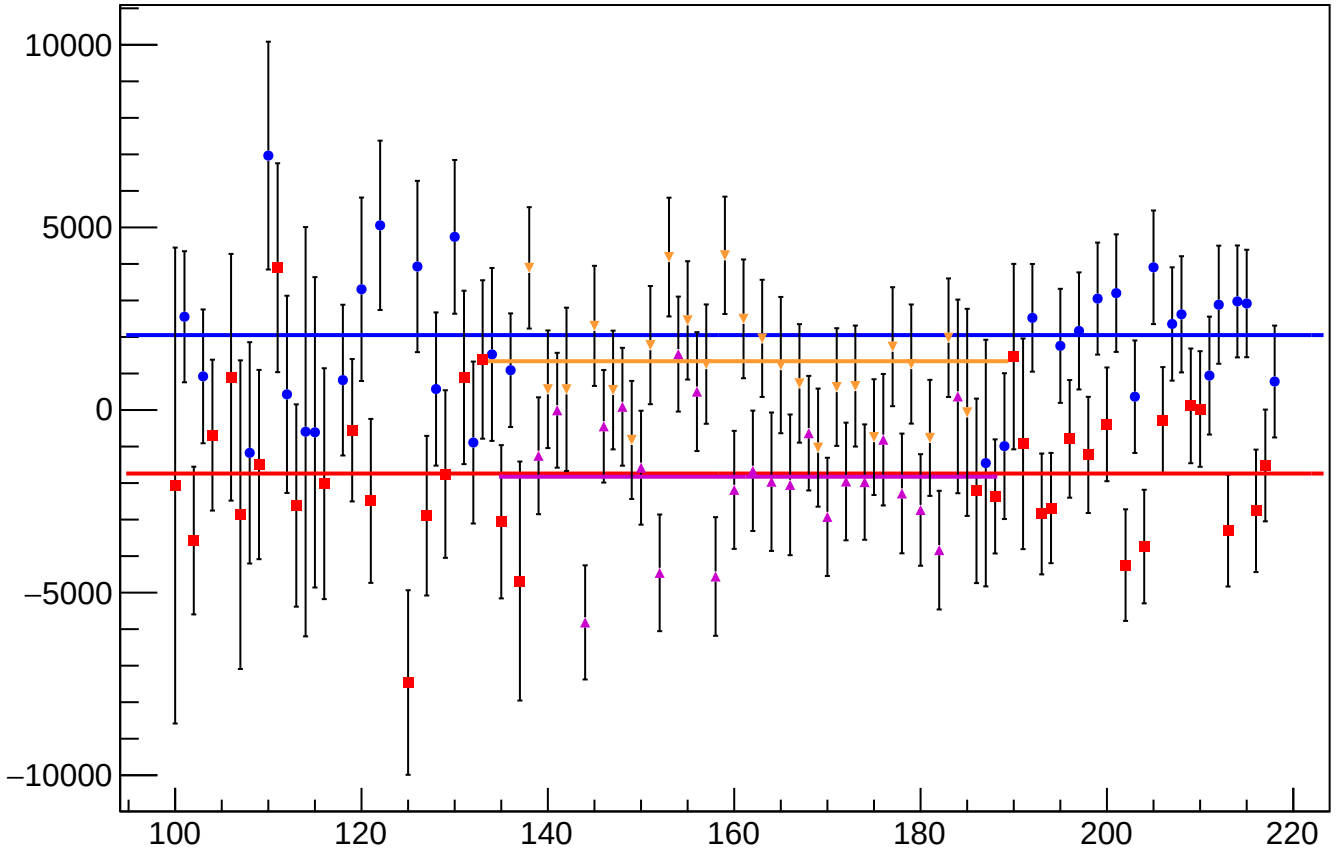
Left In: 862.298+/-0.153 χ^2/NDF:4369416.2/22

+ sign 645.058+/-0.081 χ^2/NDF: 11683379.2/55

All: 496.697+/-0.050 χ^2/NDF: 49575474.5/11

- sign 406.641+/-0.063 χ^2/NDF: 32458956.7/57

cor_asym_usl_atl1_avg_mean vs Slug



Right In: 2051.910+/-329.893 χ^2/NDF: 21.7/31

Left Out: 1337.018+/-341.012 χ^2/NDF:19.2/23

Right Out: -1738.872+/-332.532 χ^2/NDF: 29.5/34

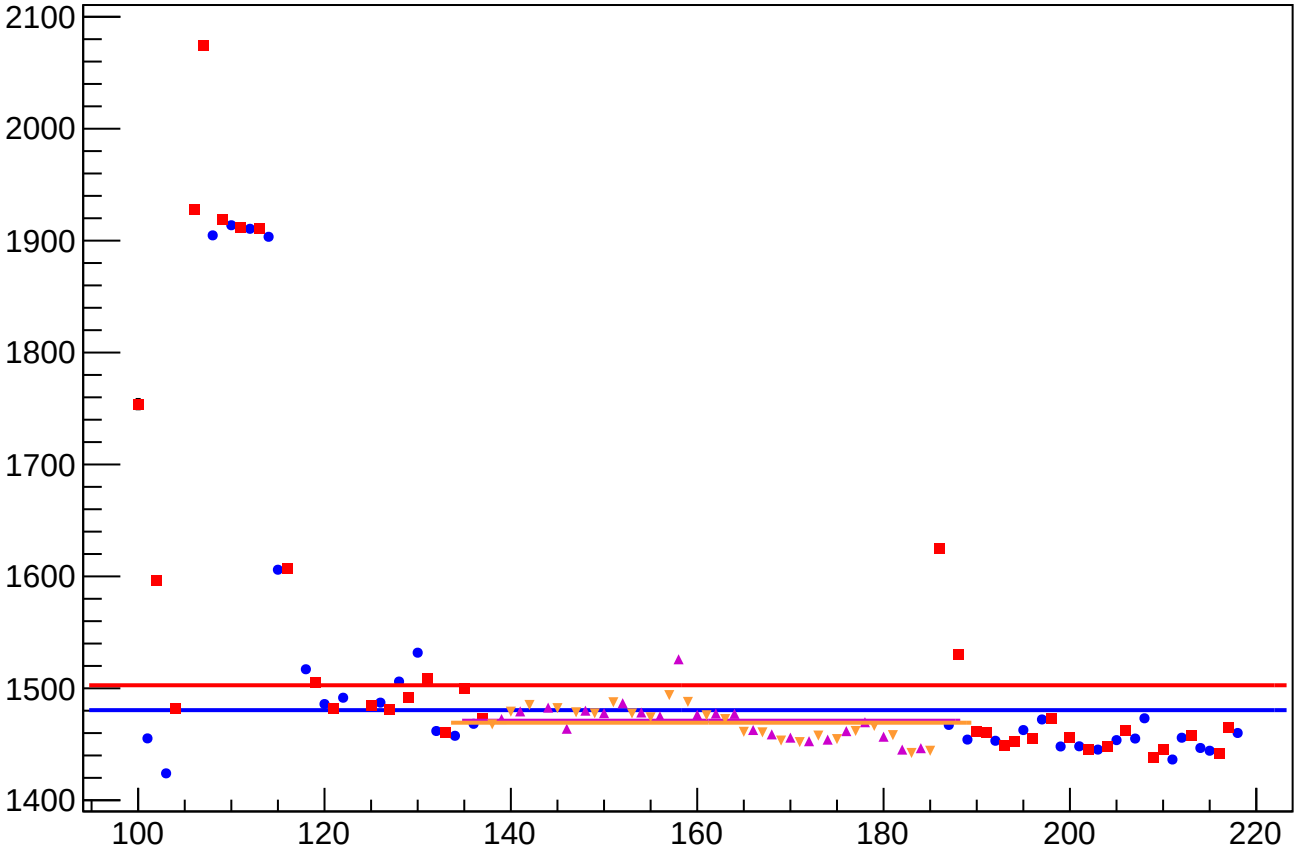
Left In: -1826.644+/-343.483 χ^2/NDF:26.5/22

+ sign 1706.310+/-237.103 χ^2/NDF: 43.2/55

All: -24.251+/-168.293 χ^2/NDF: 206.5/113

- sign -1781.336+/-238.913 χ^2/NDF: 56.0/57

cor_asym_usl_atl1_avg_rms vs Slug



Right In: 1480.497+/-0.233 χ^2/NDF: 156404.1/31

Left Out: 1469.267+/-0.241 χ^2/NDF:3155.3/23

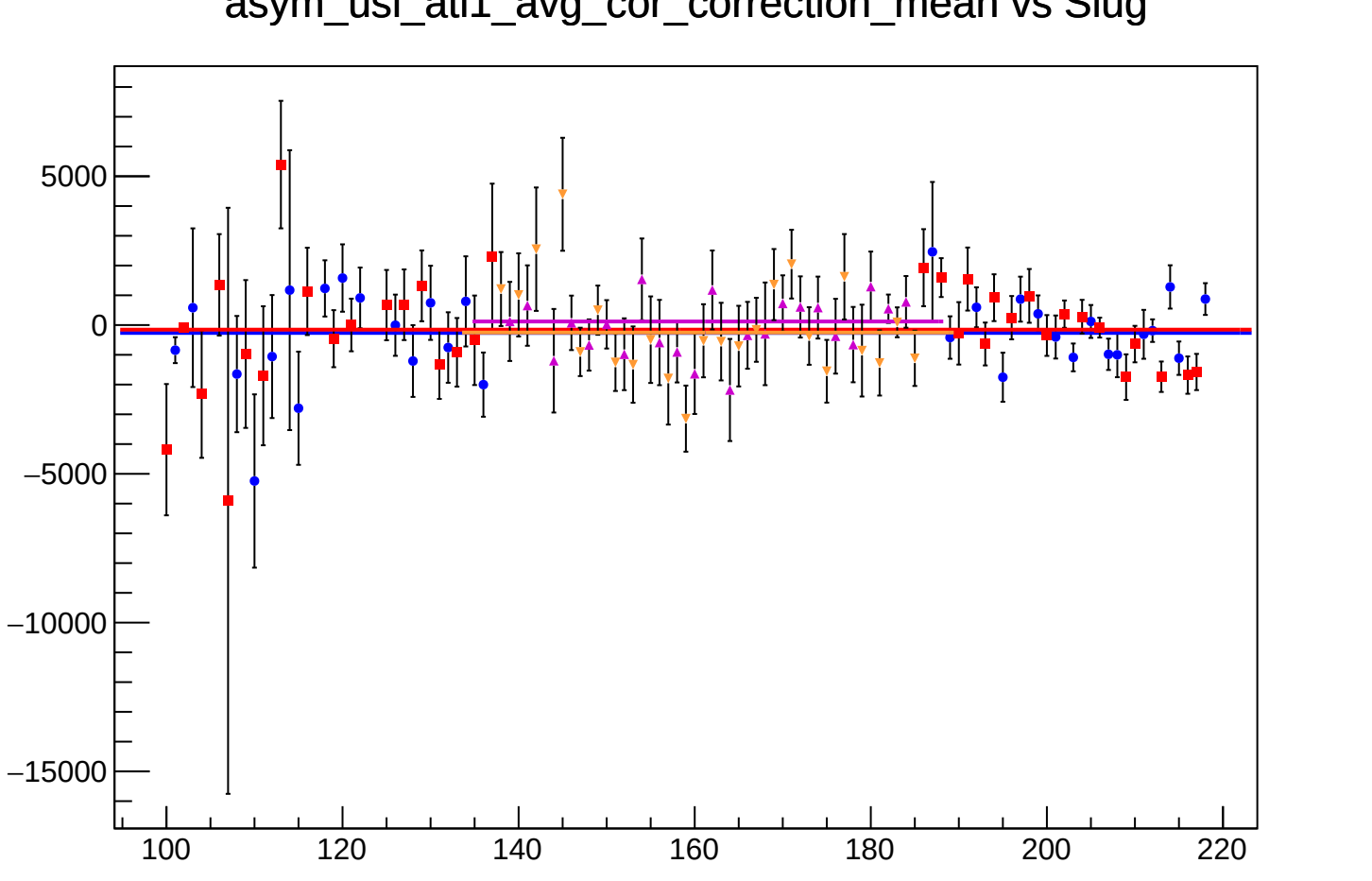
Right Out: 1502.730+/-0.235 χ^2/NDF: 248744.0/34

Left In: 1471.054+/-0.243 χ^2/NDF:4642.4/22

+ sign 1475.068+/-0.168 χ^2/NDF: 160679.9/55

All: 1481.190+/-0.119 χ^2/NDF: 425533.2/113

- sign 1487.405+/-0.169 χ^2/NDF: 262166.5/57



Right In: -264.642+/-133.832 χ^2/NDF: 45.9/31

Left Out: -251.589+/-218.368 χ^2/NDF:32.7/23

Right Out: -154.287+/-101.973 χ^2/NDF: 63.3/34

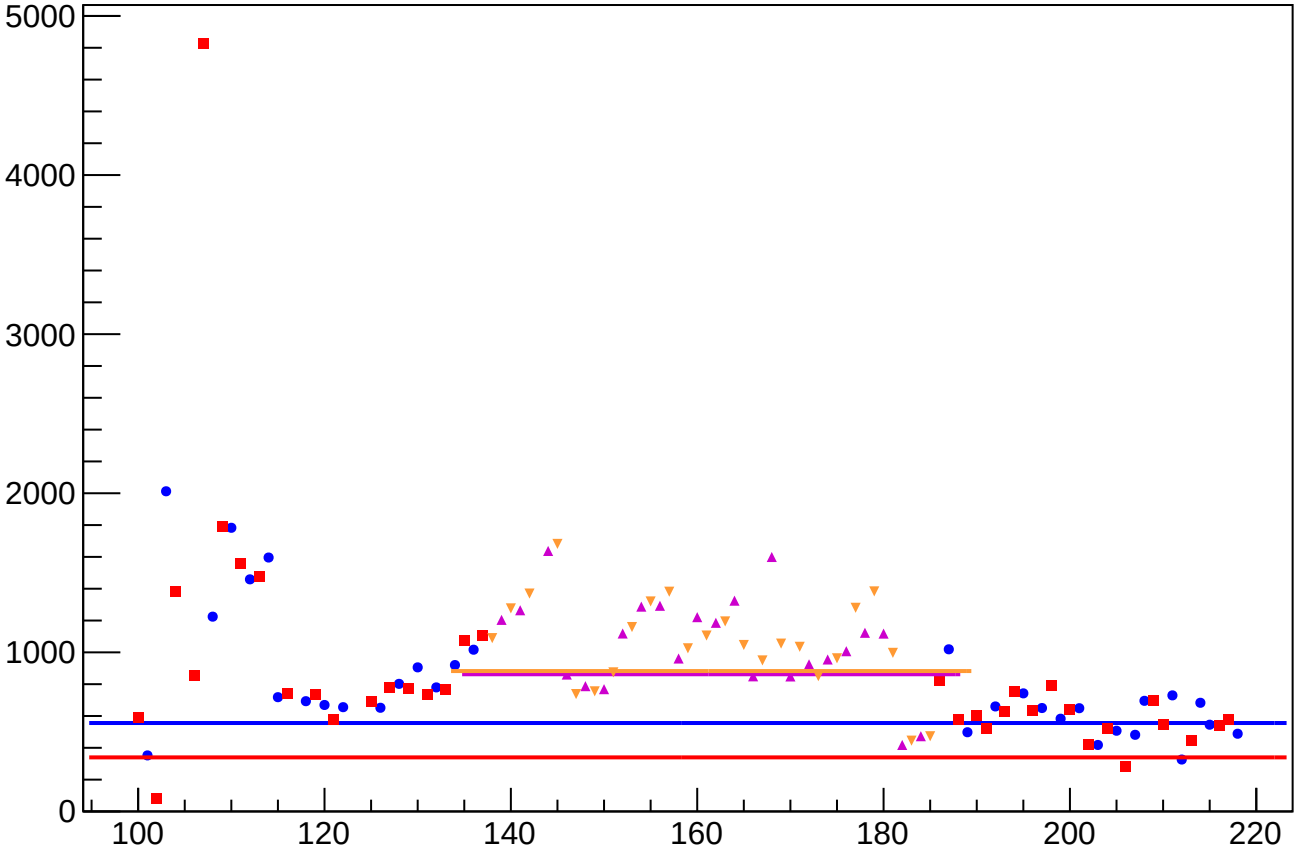
Left In: 119.845+/-215.975 χ^2/NDF:12.8/22

+ sign -261.078+/-114.107 χ^2/NDF: 78.6/55

All: -166.246+/-71.720 χ^2/NDF: 157.1/113

- sign -104.316+/-92.211 χ^2/NDF: 77.4/57

asym_usl_atl1_avg_cor_correction_rms vs Slug



Right In: 555.880+/-0.095 χ^2/NDF: 4531714.2/31

Left Out: 882.419+/-0.154 χ^2/NDF:3901620.8/23

Right Out: 339.878+/-0.072 χ^2/NDF: 15770850.6/34

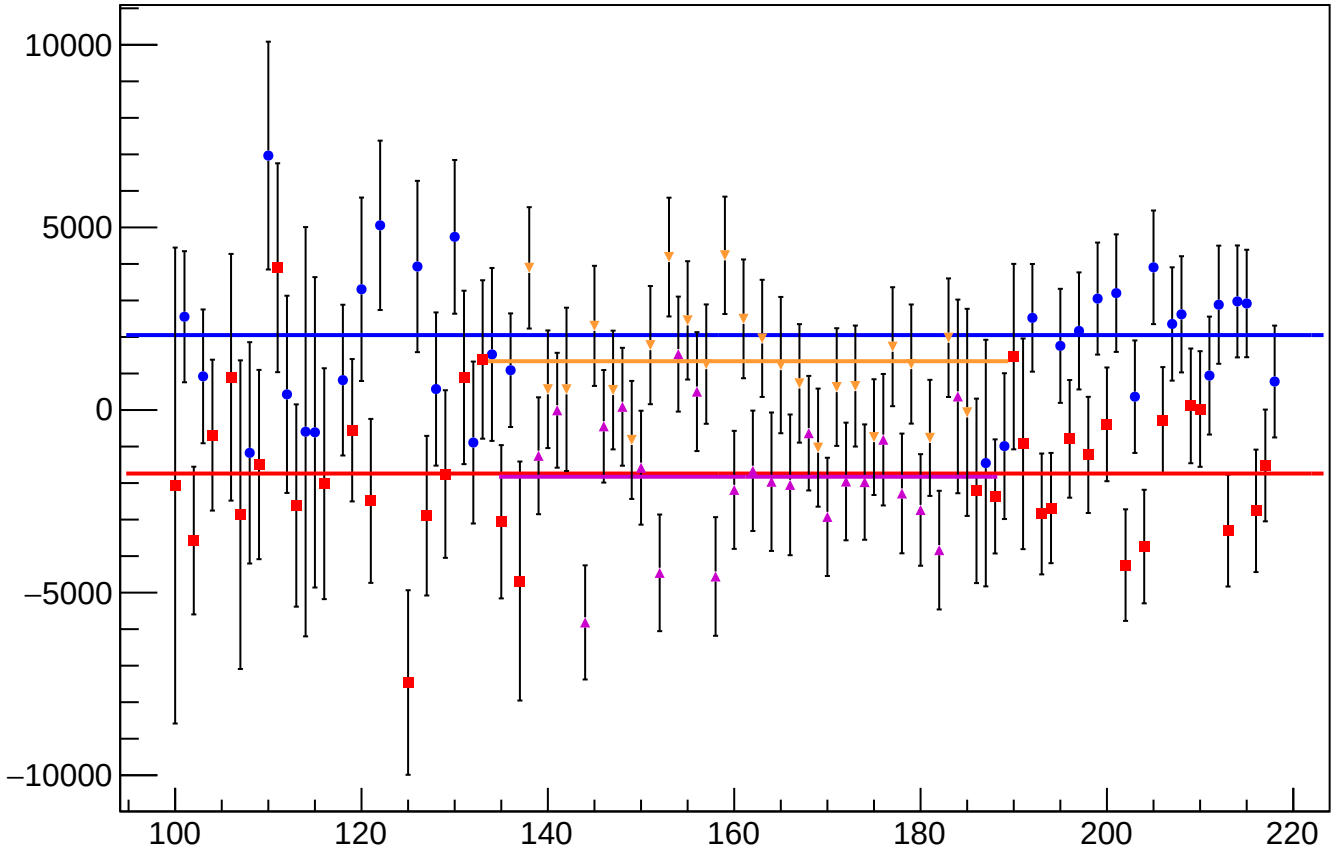
Left In: 862.300+/-0.153 χ^2/NDF:4369426.7/22

+ sign 645.042+/-0.081 χ^2/NDF: 11684405.0/55

All: 518.045+/-0.051 χ^2/NDF: 45488882.6/11

- sign 435.110+/-0.065 χ^2/NDF: 29709217.4/57

eigen_cor_asym_usl_atl1_avg_mean vs Slug



Right In: 2051.910+/-329.893 χ^2/NDF: 21.7/31

Left Out: 1337.018+/-341.012 χ^2/NDF:19.2/23

Right Out: -1738.872+/-332.532 χ^2/NDF: 29.5/34

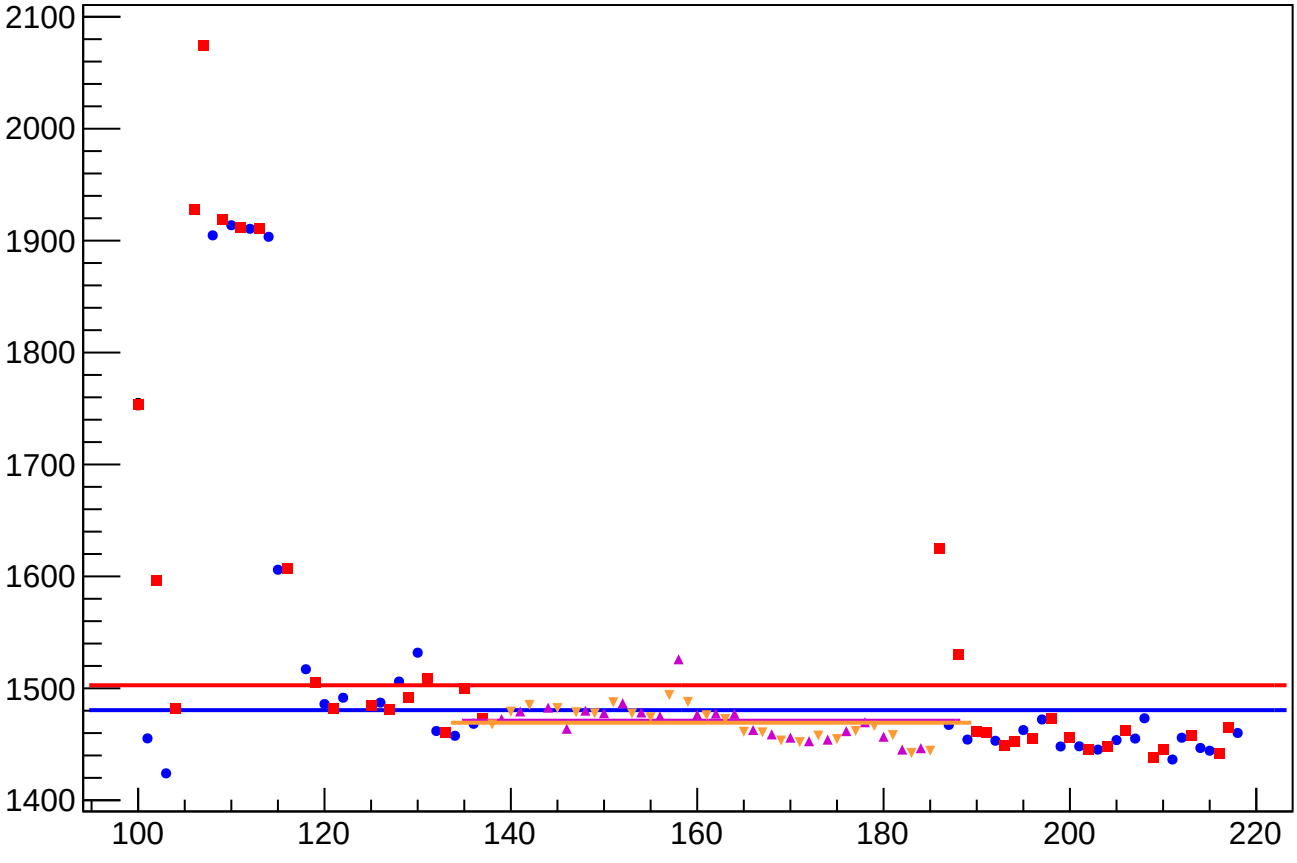
Left In: -1826.644+/-343.483 χ^2/NDF:26.5/22

+ sign 1706.310+/-237.103 χ^2/NDF: 43.2/55

All: -24.251+/-168.293 χ^2/NDF: 206.5/113

- sign -1781.336+/-238.913 χ^2/NDF: 56.0/57

eigen_cor_asym_usl_atl1_avg_rms vs Slug



Right In: 1480.497+/-0.233 χ^2/NDF: 156404.1/31

Left Out: 1469.267+/-0.241 χ^2/NDF:3155.3/23

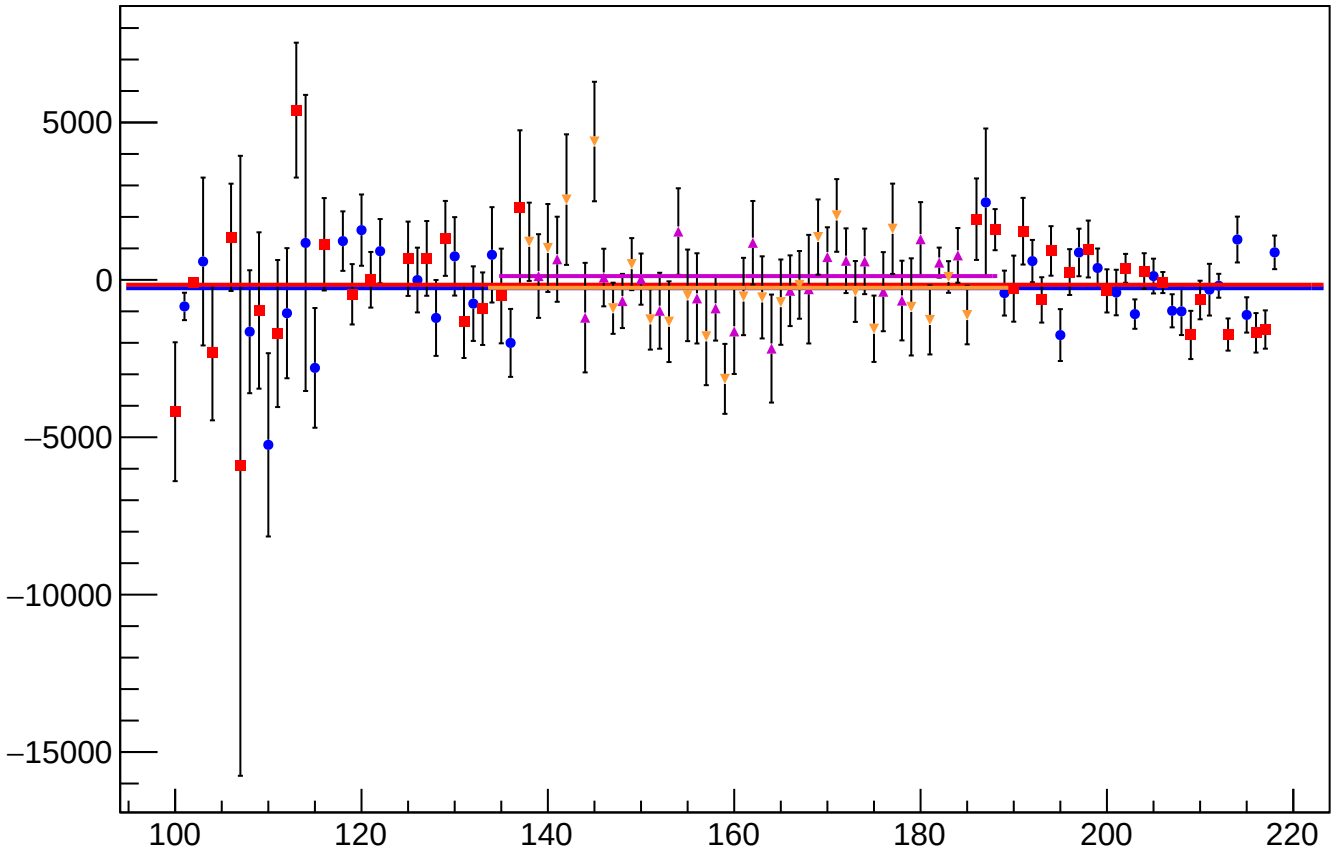
Right Out: 1502.730+/-0.235 χ^2/NDF: 248744.0/34

Left In: 1471.054+/-0.243 χ^2/NDF:4642.4/22

+ sign 1475.068+/-0.168 χ^2/NDF: 160679.9/55

All: 1481.190+/-0.119 χ^2/NDF: 425533.2/113

- sign 1487.405+/-0.169 χ^2/NDF: 262166.5/57



Right In: -264.642+/-133.832 χ^2/NDF: 45.9/31

Left Out: -251.589+/-218.368 χ^2/NDF:32.7/23

Right Out: -154.287+/-101.973 χ^2/NDF: 63.3/34

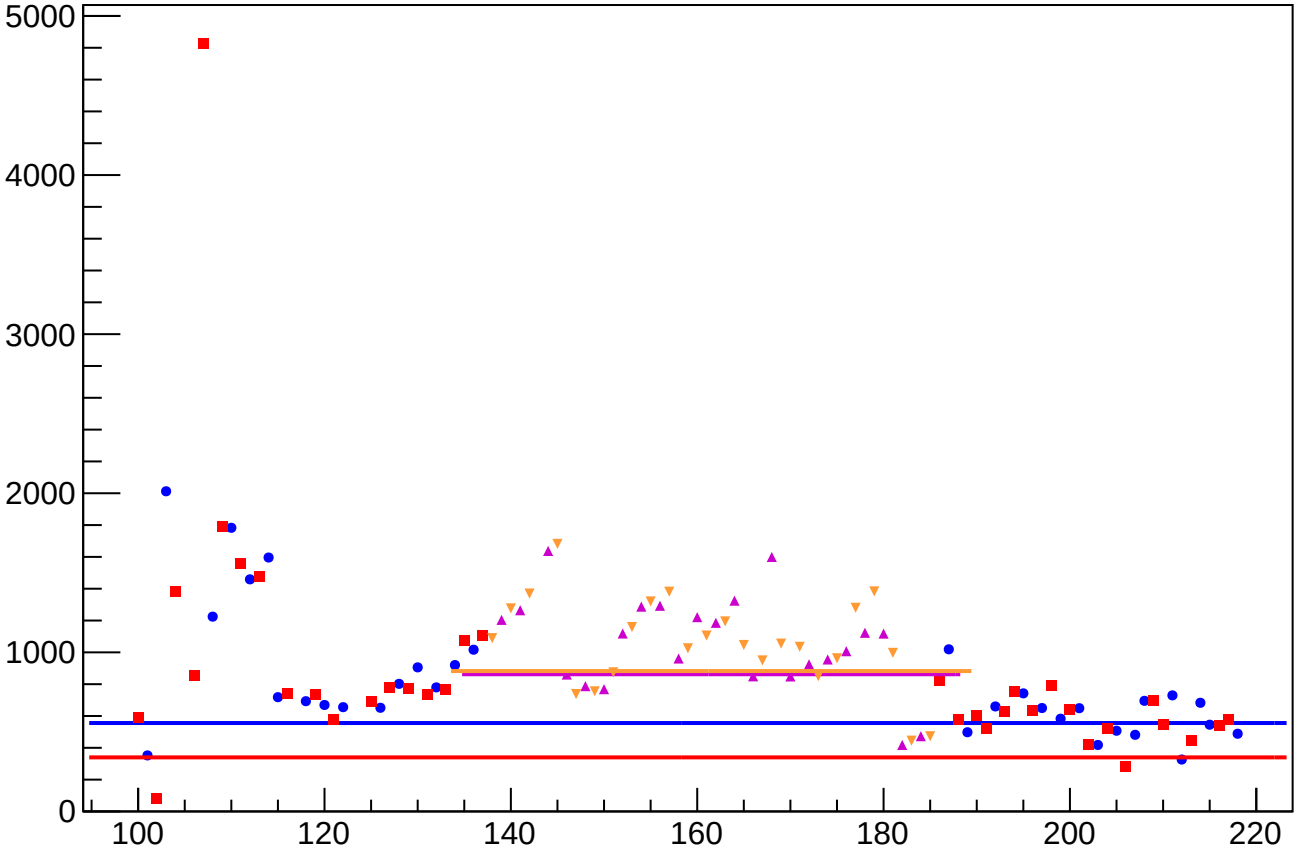
Left In: 119.845+/-215.975 χ^2/NDF:12.8/22

\+ sign -261.078+/-114.107 χ^2/NDF: 78.6/55

All: -166.246+/-71.720 χ^2/NDF: 157.1/113

\- sign -104.316+/-92.211 χ^2/NDF: 77.4/57

asym_usl_atl1_avg_eigen_cor_correction_rms vs Slug



Right In: 555.880+/-0.095 χ^2/NDF: 4531714.2/31

Left Out: 882.419+/-0.154 χ^2/NDF:3901620.8/23

Right Out: 339.878+/-0.072 χ^2/NDF: 15770850.6/34

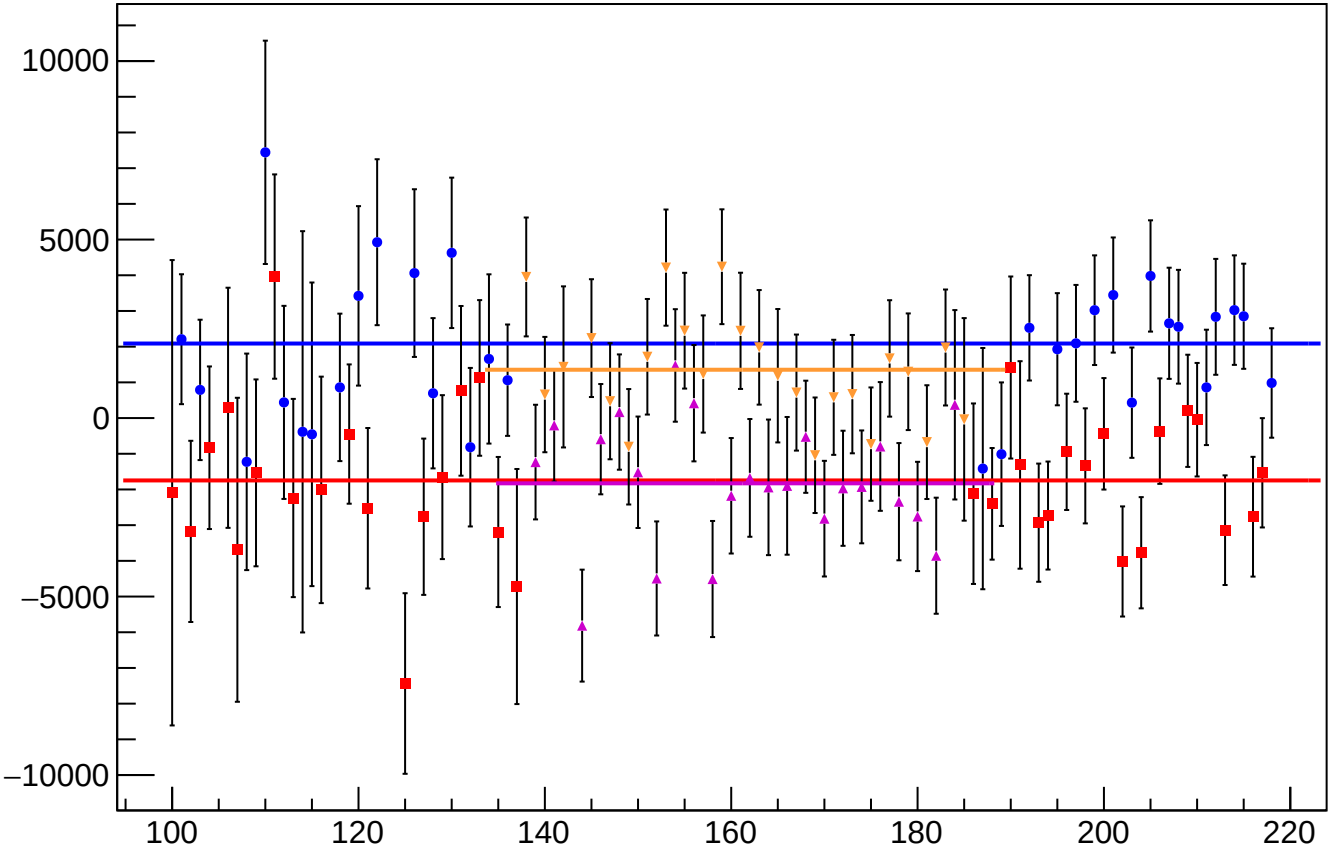
Left In: 862.300+/-0.153 χ^2/NDF:4369426.7/22

+ sign 645.042+/-0.081 χ^2/NDF: 11684405.0/55

All: 518.045+/-0.051 χ^2/NDF: 45488882.6/11

- sign 435.110+/-0.065 χ^2/NDF: 29709217.4/57

dit_asym_usl_atl1_avg_mean vs Slug



Right In: 2087.933+/-331.693 χ^2/NDF: 21.8/31

Left Out: 1353.686+/-341.570 χ^2/NDF:18.9/23

Right Out: -1747.221+/-336.290 χ^2/NDF: 27.4/34

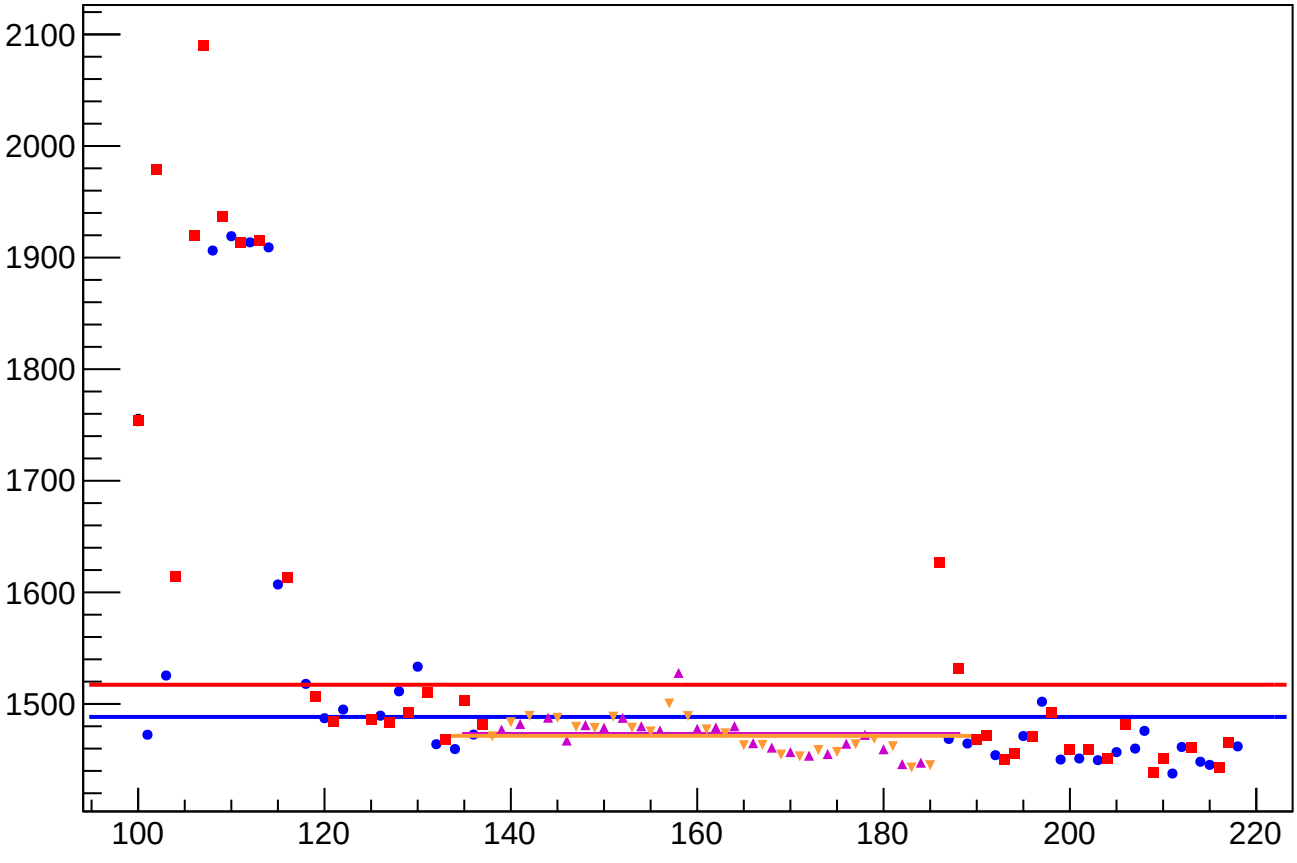
Left In: -1828.250+/-343.952 χ^2/NDF:25.8/22

+ sign 1731.579+/-237.958 χ^2/NDF: 43.1/55

All: -9.247+/-169.138 χ^2/NDF: 204.5/113

- sign -1786.823+/-240.456 χ^2/NDF: 53.2/57

dit_asym_usl_atl1_avg_rms vs Slug



Right In: 1488.368+/-0.235 χ^2/NDF: 154495.7/31

Left Out: 1471.437+/-0.242 χ^2/NDF:3436.8/23

Right Out: 1517.212+/-0.238 χ^2/NDF: 314555.5/34

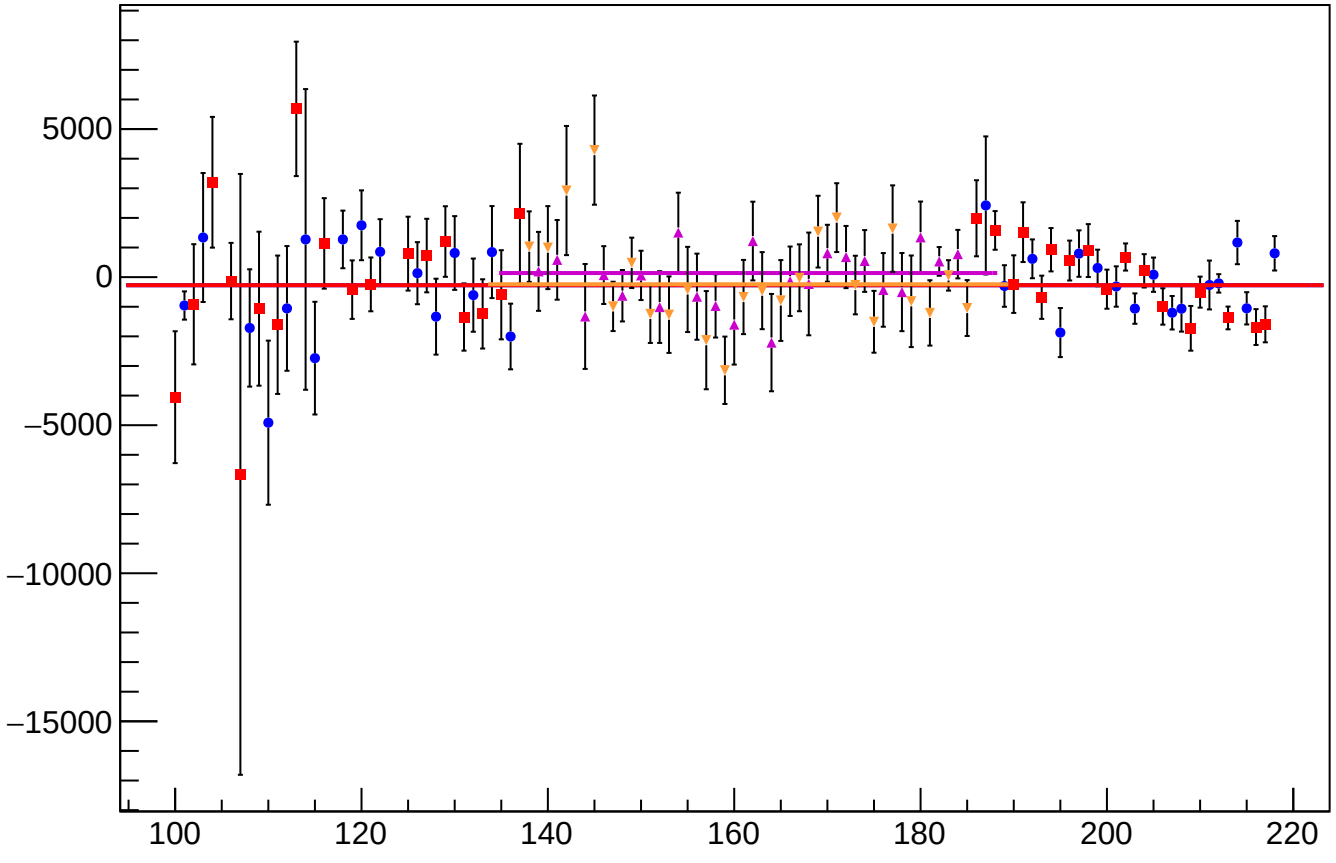
Left In: 1473.049+/-0.243 χ^2/NDF:4751.3/22

+ sign 1480.151+/-0.168 χ^2/NDF: 160461.7/55

All: 1487.809+/-0.120 χ^2/NDF: 500813.0/113

- sign 1495.628+/-0.170 χ^2/NDF: 336165.0/57

asym_usl_atl1_avg_dit_correction_mean vs Slug



Right In: -274.251+/-133.447 χ^2/NDF: 44.6/31

Left Out: -240.267+/-221.787 χ^2/NDF:32.4/23

Right Out: -272.457+/-139.693 χ^2/NDF: 69.0/34

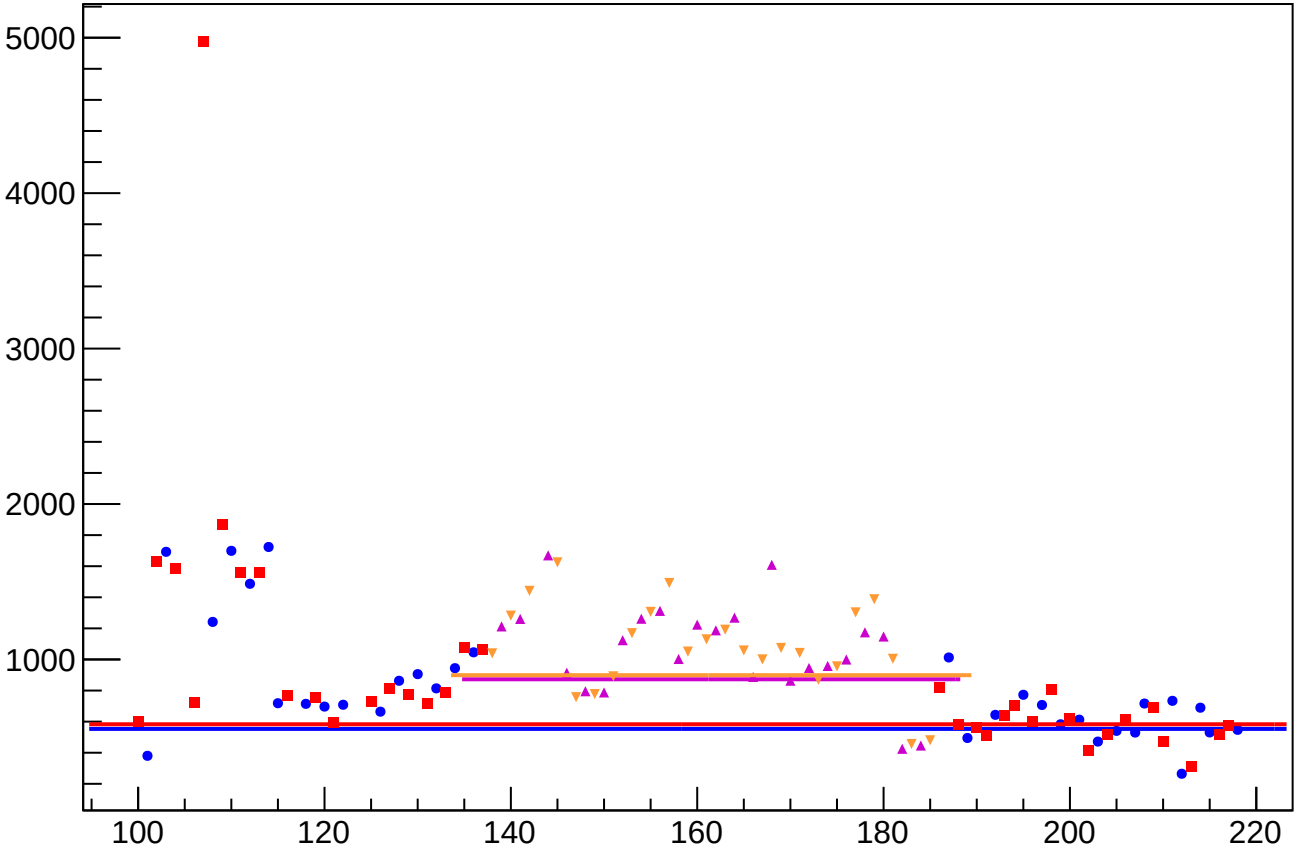
Left In: 138.421+/-218.478 χ^2/NDF:13.0/22

+ sign -265.218+/-114.344 χ^2/NDF: 77.0/55

All: -210.837+/-82.012 χ^2/NDF: 162.0/113

- sign -153.225+/-117.692 χ^2/NDF: 84.5/57

asym_usl_atl1_avg_dit_correction_rms vs Slug



Right In: 553.250+/-0.094 χ^2/NDF: 5345371.1/31

Left Out: 898.849+/-0.157 χ^2/NDF:3791528.8/23

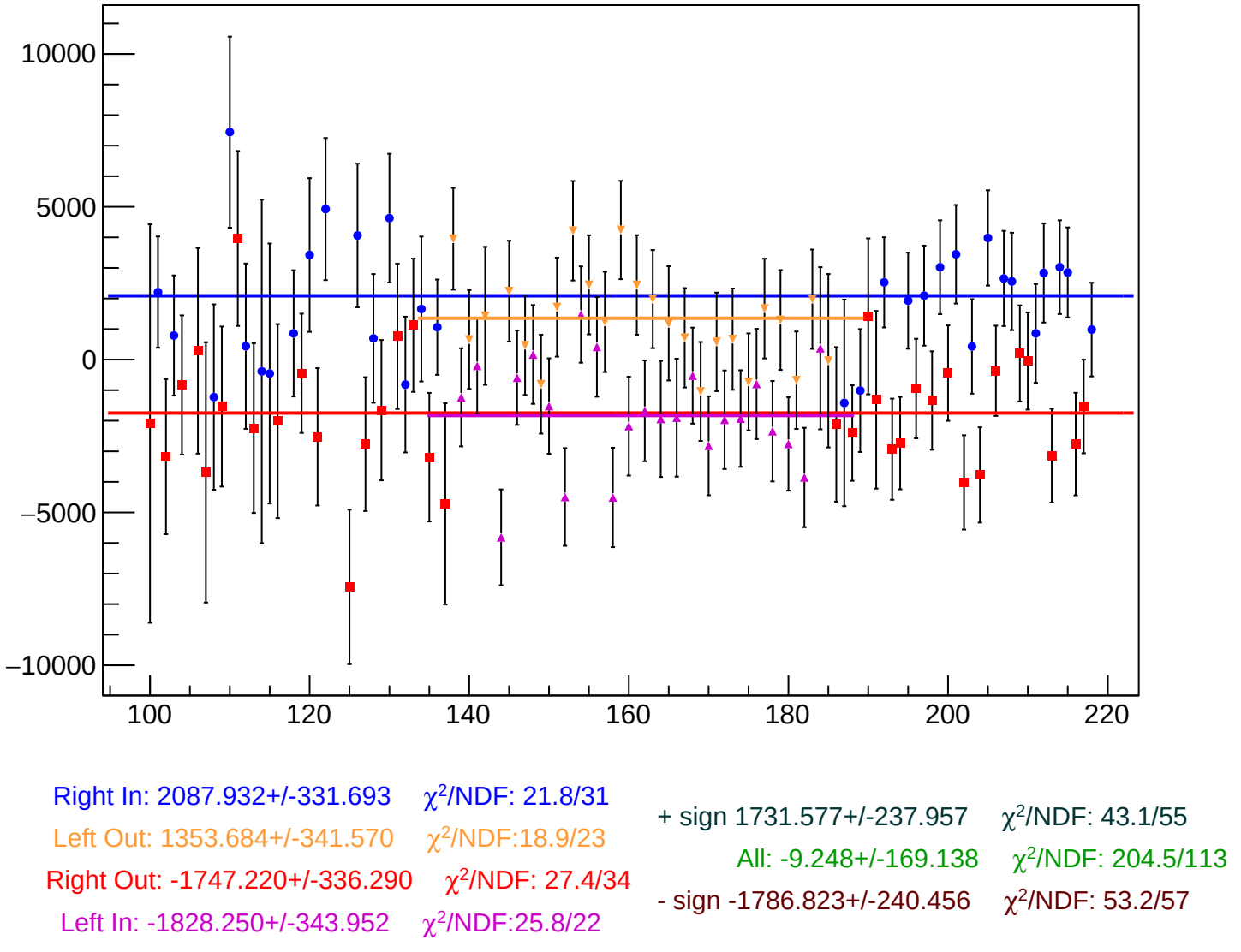
Right Out: 583.039+/-0.099 χ^2/NDF: 4874306.9/34

Left In: 872.472+/-0.154 χ^2/NDF:4435516.3/22

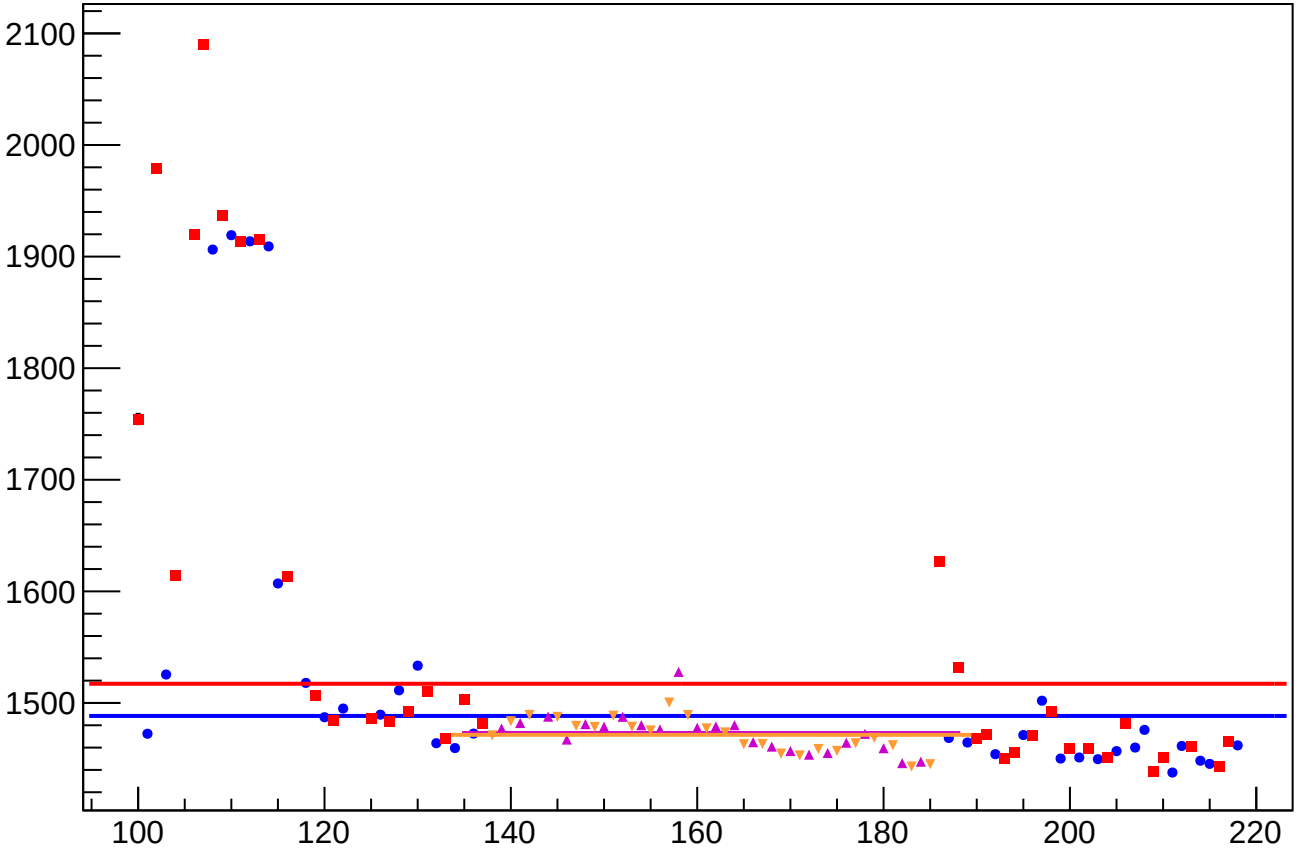
+ sign 645.110+/-0.081 χ^2/NDF: 12702357.7/55

All: 655.753+/-0.058 χ^2/NDF: 24539338.3/11

- sign 667.029+/-0.083 χ^2/NDF: 11801296.6/57


eigen_dit_asym_usl_atl1_avg_mean vs Slug
10000
5000
0
−5000
−10000
100
120
140
160
180
200
220
Right In: 2087.932+/-331.693 χ²/NDF: 21.8/31
Left Out: 1353.684+/-341.570 χ²/NDF:18.9/23
Right Out: -1747.220+/-336.290 χ²/NDF: 27.4/34
Left In: -1828.250+/-343.952 χ²/NDF:25.8/22
+ sign 1731.577+/-237.957 χ²/NDF: 43.1/55
All: -9.248+/-169.138 χ²/NDF: 204.5/113
- sign -1786.823+/-240.456 χ²/NDF: 53.2/57

eigen_dit_asym_usl_atl1_avg_rms vs Slug



Right In: 1488.368+/-0.235 χ^2/NDF: 154495.6/31

Left Out: 1471.437+/-0.242 χ^2/NDF:3436.8/23

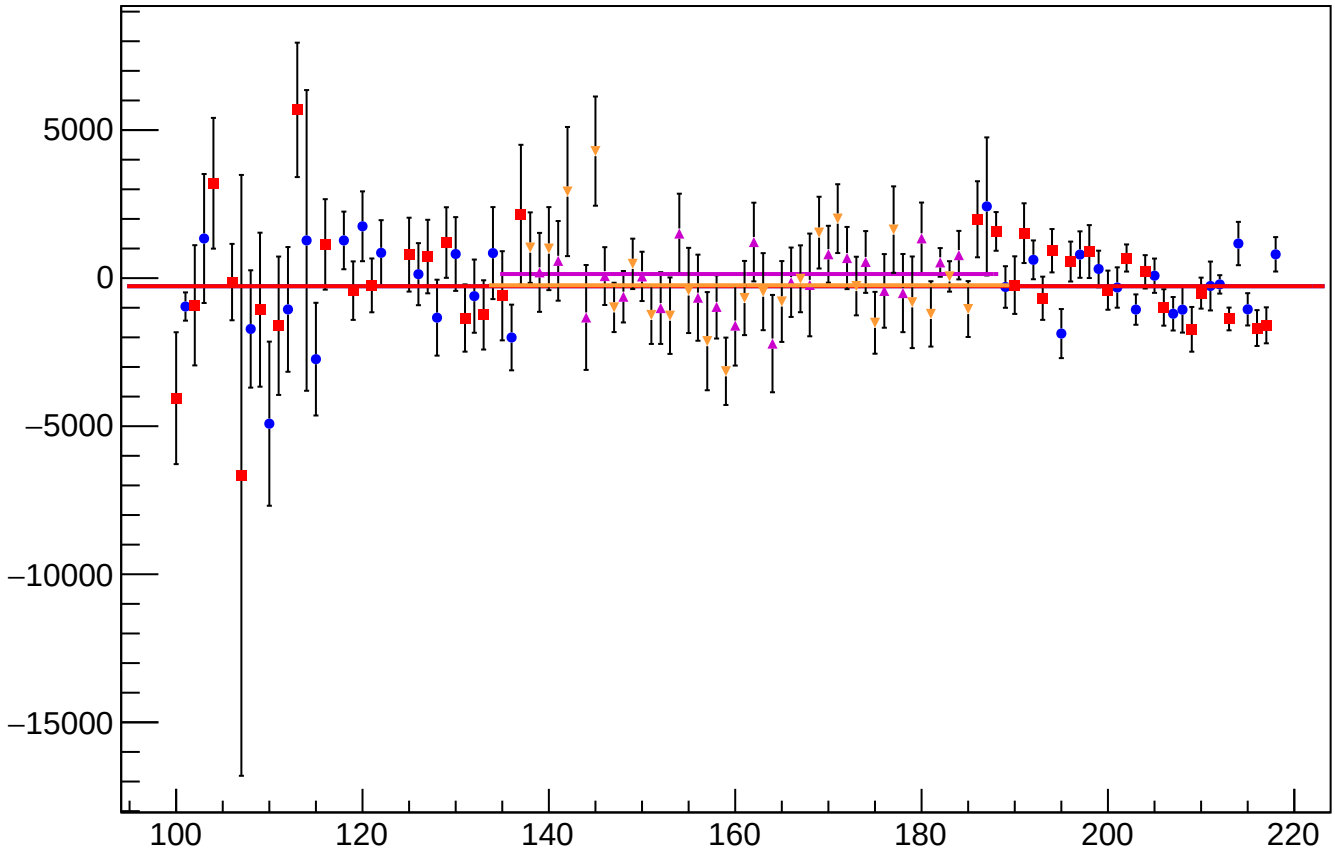
Right Out: 1517.212+/-0.238 χ^2/NDF: 314555.0/34

Left In: 1473.049+/-0.243 χ^2/NDF:4751.3/22

+ sign 1480.151+/-0.168 χ^2/NDF: 160461.6/55

All: 1487.808+/-0.120 χ^2/NDF: 500812.3/113

- sign 1495.628+/-0.170 χ^2/NDF: 336164.4/57



Right In: -274.251+/-133.447 χ^2/NDF: 44.6/31

Left Out: -240.269+/-221.788 χ^2/NDF:32.4/23

Right Out: -272.457+/-139.693 χ^2/NDF: 69.0/34

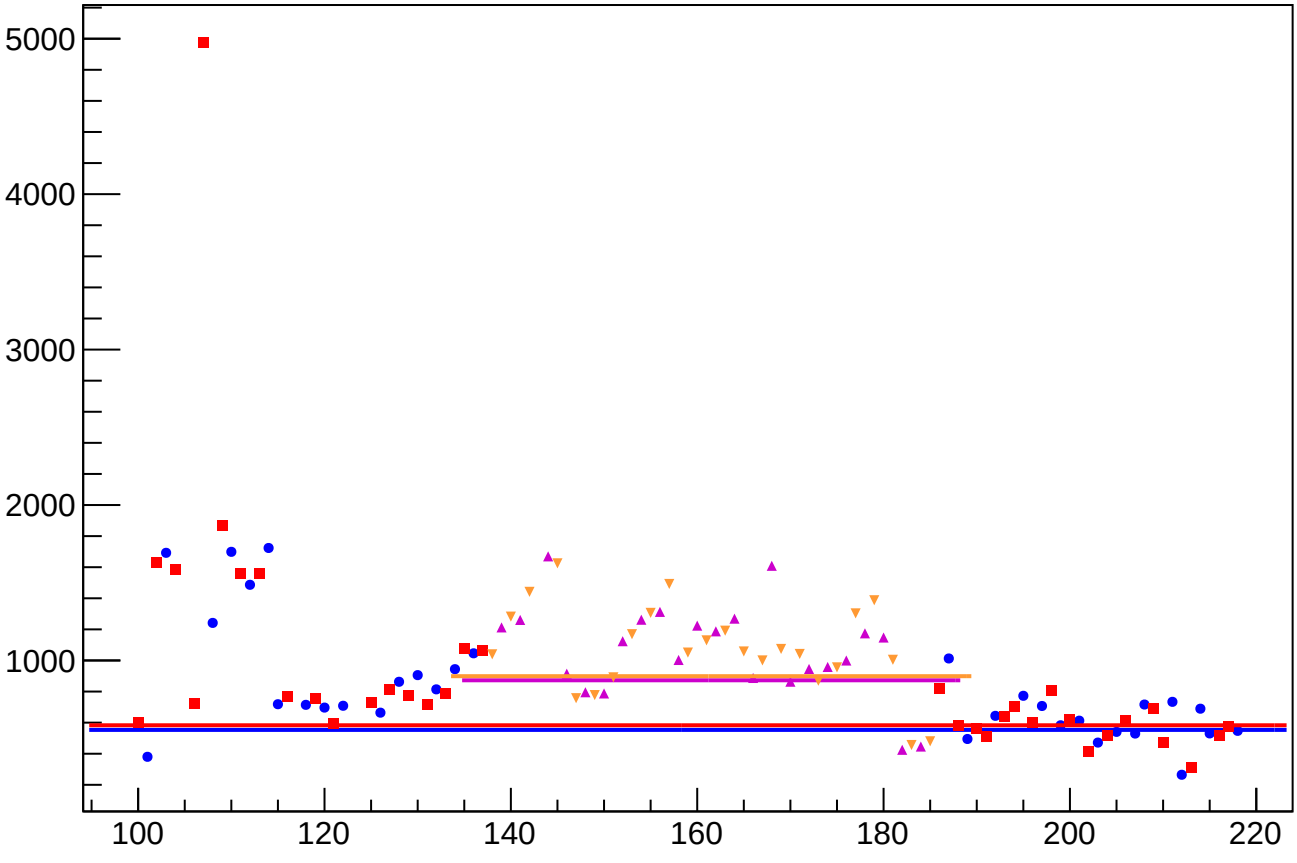
Left In: 138.421+/-218.478 χ^2/NDF:13.0/22

\+ sign -265.219+/-114.344 χ^2/NDF: 77.0/55

All: -210.837+/-82.012 χ^2/NDF: 162.0/113

\- sign -153.225+/-117.692 χ^2/NDF: 84.5/57

asym_usl_atl1_avg_eigen_dit_correction_rms vs Slug



Right In: 553.250+/-0.094 χ^2/NDF: 5345367.1/31

Left Out: 898.850+/-0.157 χ^2/NDF:3791537.4/23

Right Out: 583.039+/-0.099 χ^2/NDF: 4874303.9/34

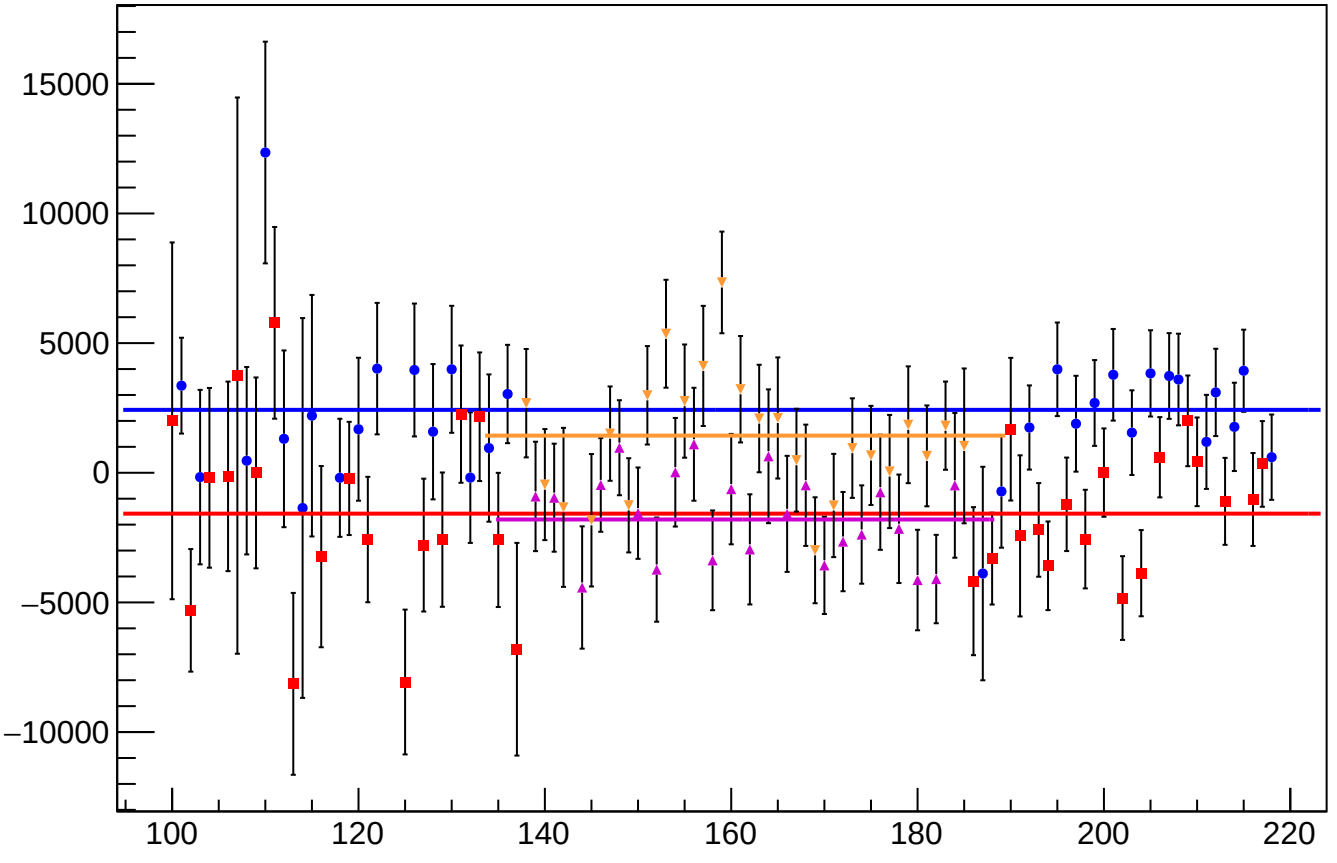
Left In: 872.473+/-0.154 χ^2/NDF:4435524.1/22

+ sign 645.111+/-0.081 χ^2/NDF: 12702370.1/55

All: 655.754+/-0.058 χ^2/NDF: 24539360.6/11

- sign 667.029+/-0.083 χ^2/NDF: 11801306.0/57

asym_usl_atl1_avg_mean vs Slug



Right In: 2426.296+/-370.169 χ^2/NDF: 22.1/31

Left Out: 1433.314+/-424.465 χ^2/NDF:29.4/23

Right Out: -1576.302+/-374.700 χ^2/NDF: 44.6/34

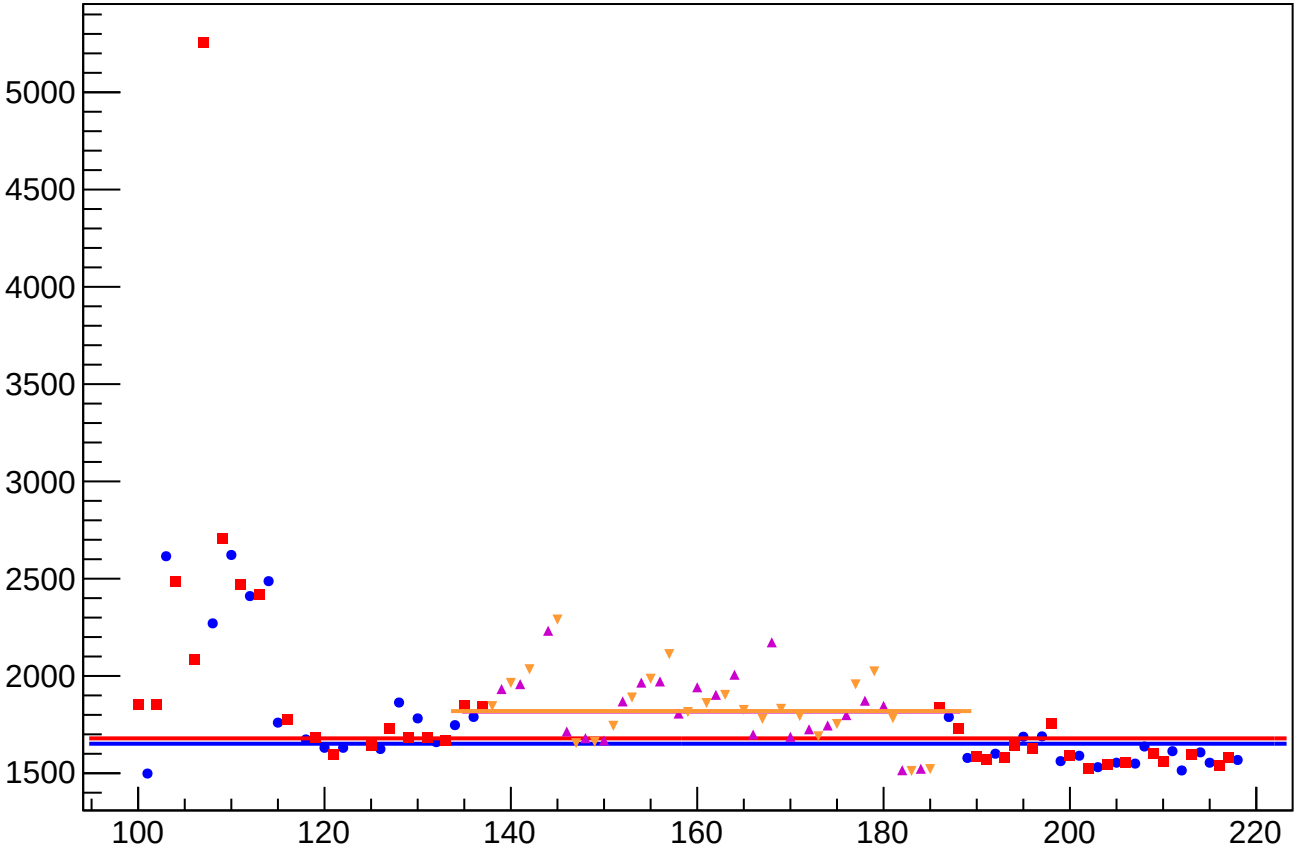
Left In: -1801.543+/-426.483 χ^2/NDF:15.3/22

+ sign 1997.339+/-278.983 χ^2/NDF: 54.6/55

All: 177.880+/-198.151 χ^2/NDF: 200.5/113

- sign -1674.425+/-281.490 χ^2/NDF: 60.1/57

asym_usl_atl1_avg_rms vs Slug



Right In: 1651.716+/-0.262 χ^2/NDF: 568390.5/31

Left Out: 1819.417+/-0.300 χ^2/NDF:295015.0/23

Right Out: 1679.234+/-0.265 χ^2/NDF: 831770.2/34

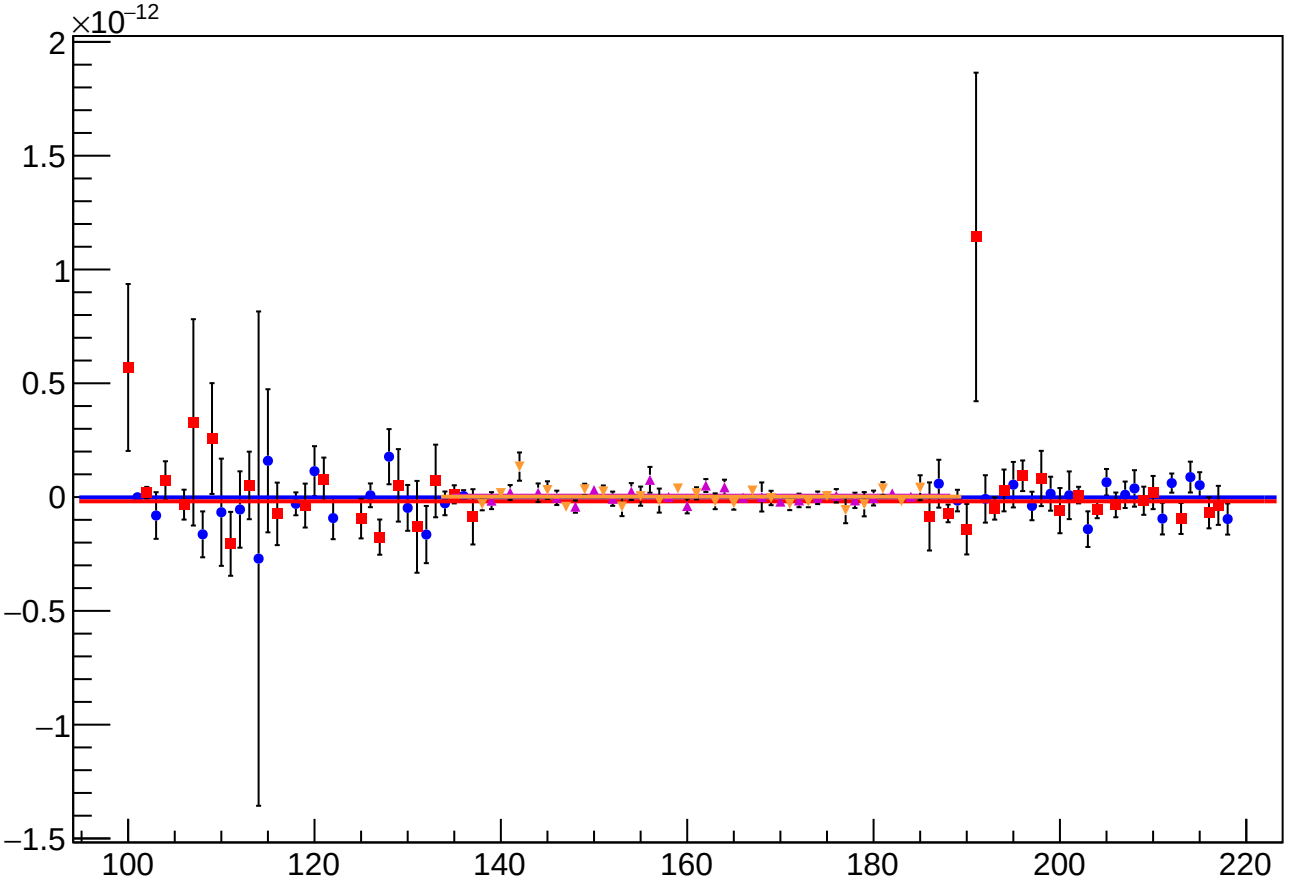
Left In: 1817.142+/-0.302 χ^2/NDF:307103.2/22

+ sign 1724.161+/-0.197 χ^2/NDF: 1040733.1/55

All: 1731.669+/-0.140 χ^2/NDF: 2300551.5/11

- sign 1739.311+/-0.199 χ^2/NDF: 1256895.6/57

asym_usl_atl1_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 24.9/31

Left Out: 0.000+/-0.000 χ^2/NDF:29.3/23

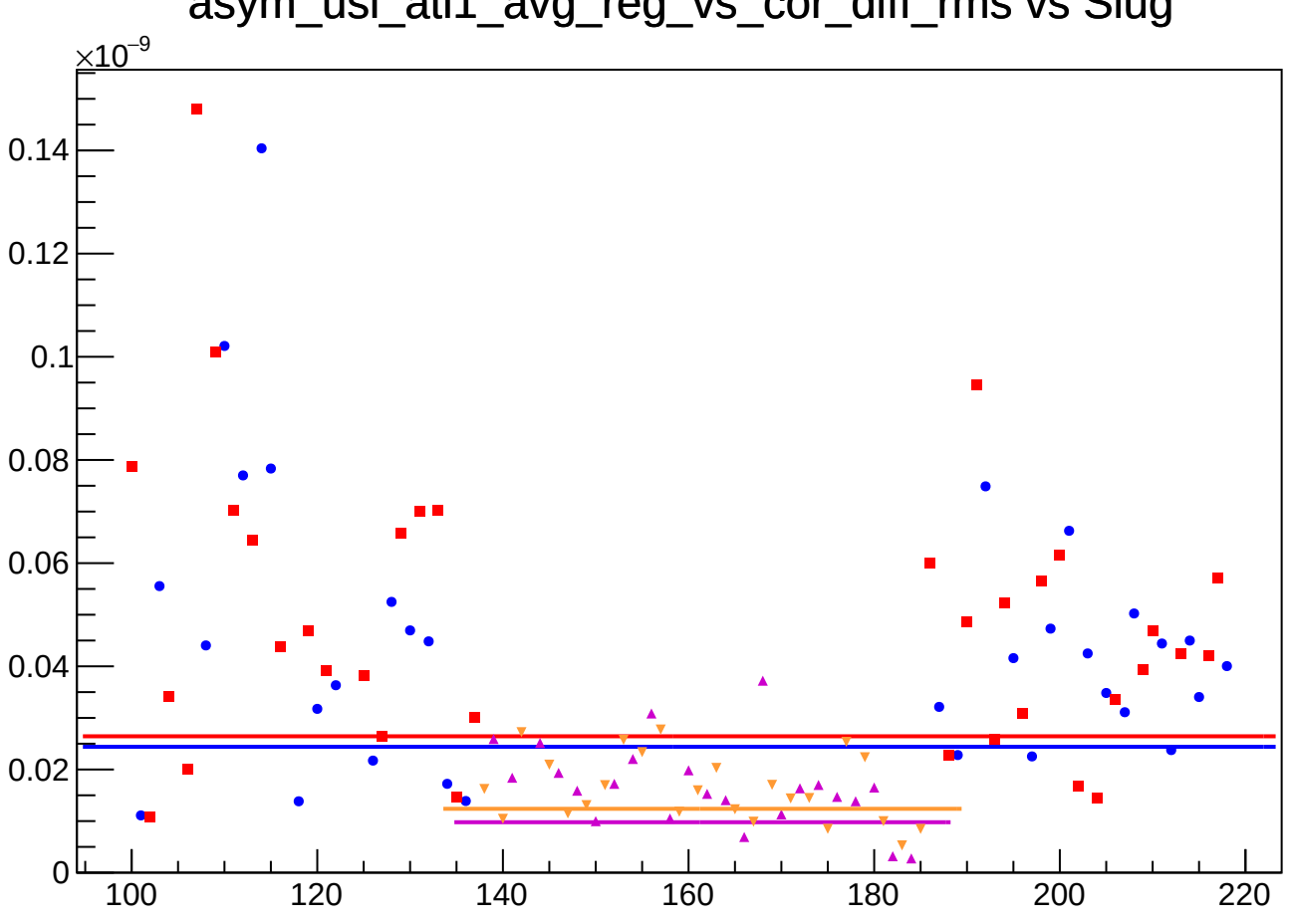
Right Out: -0.000+/-0.000 χ^2/NDF: 31.6/34

Left In: 0.000+/-0.000 χ^2/NDF:17.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 54.4/55

All: 0.000+/-0.000 χ^2/NDF: 108.1/113

- sign 0.000+/-0.000 χ^2/NDF: 53.7/57



Right In: 0.000+/-0.000 χ^2/NDF: 4370883.3/31

Left Out: 0.000+/-0.000 χ^2/NDF:1898110.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 4090186.3/34

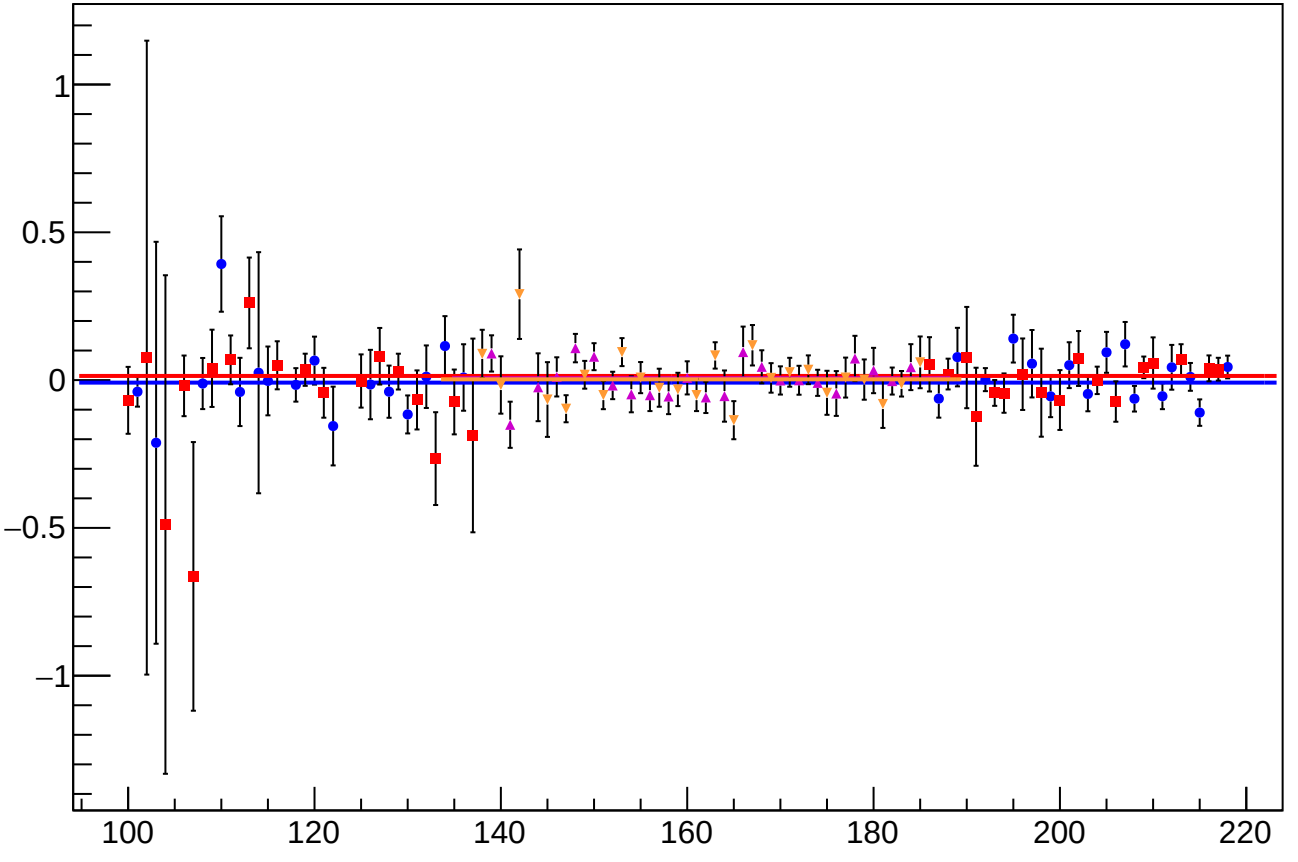
Left In: 0.000+/-0.000 χ^2/NDF:4499862.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 8432121.9/55

All: 0.000+/-0.000 χ^2/NDF: 21147997.4/113

- sign 0.000+/-0.000 χ^2/NDF: 12358999.2/57

asym_usl_atl1_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.009+/-0.012 χ^2/NDF: 35.5/31

Left Out: 0.003+/-0.012 χ^2/NDF:29.9/23

Right Out: 0.014+/-0.012 χ^2/NDF: 21.6/34

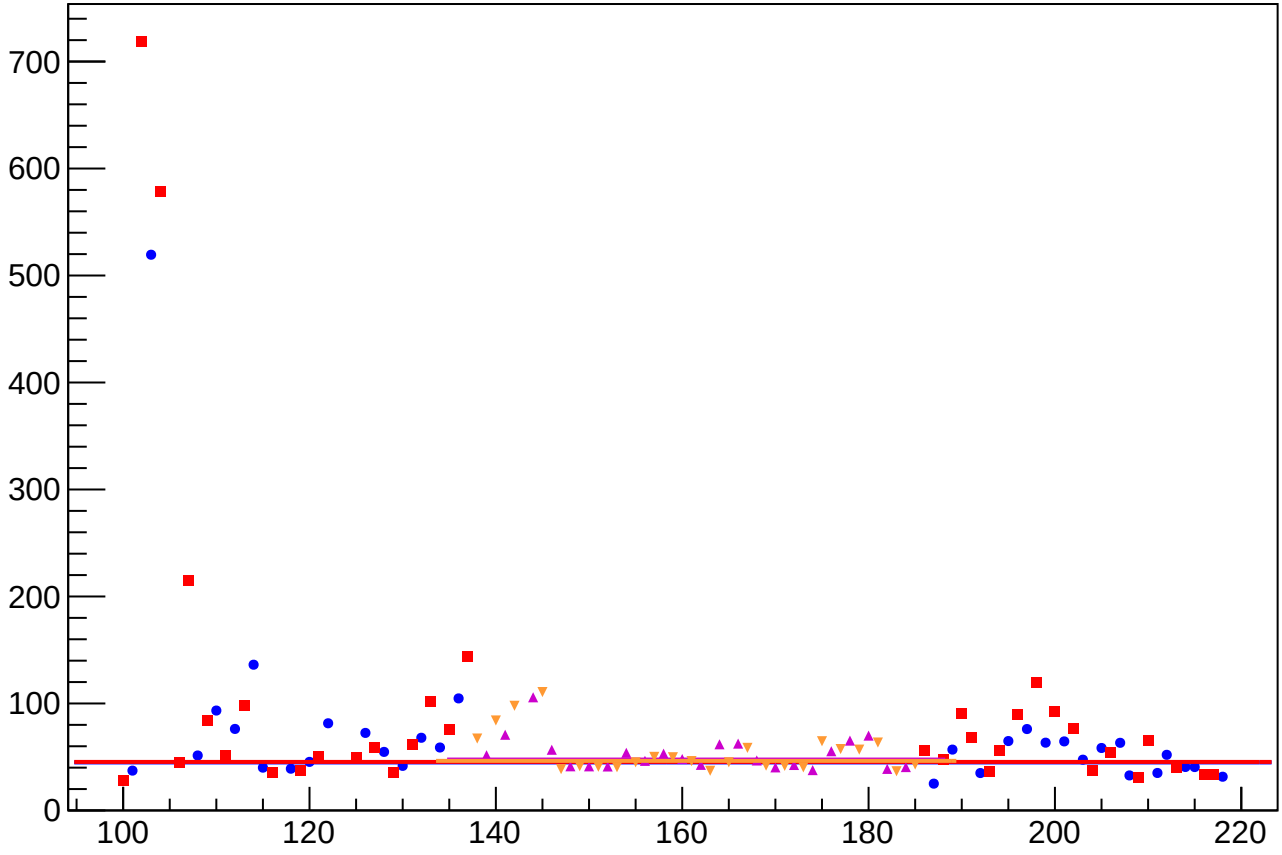
Left In: 0.006+/-0.012 χ^2/NDF:21.6/22

+ sign -0.003+/-0.008 χ^2/NDF: 65.8/55

All: 0.003+/-0.006 χ^2/NDF: 110.5/113

- sign 0.010+/-0.009 χ^2/NDF: 43.5/57

asym_usl_atl1_avg_dit_vs_cor_diff_rms vs Slug



Right In: 44.872+/-0.008 χ^2/NDF: 4113004.8/31

Left Out: 46.353+/-0.008 χ^2/NDF:1967753.2/23

Right Out: 45.370+/-0.009 χ^2/NDF: 5797766.4/34

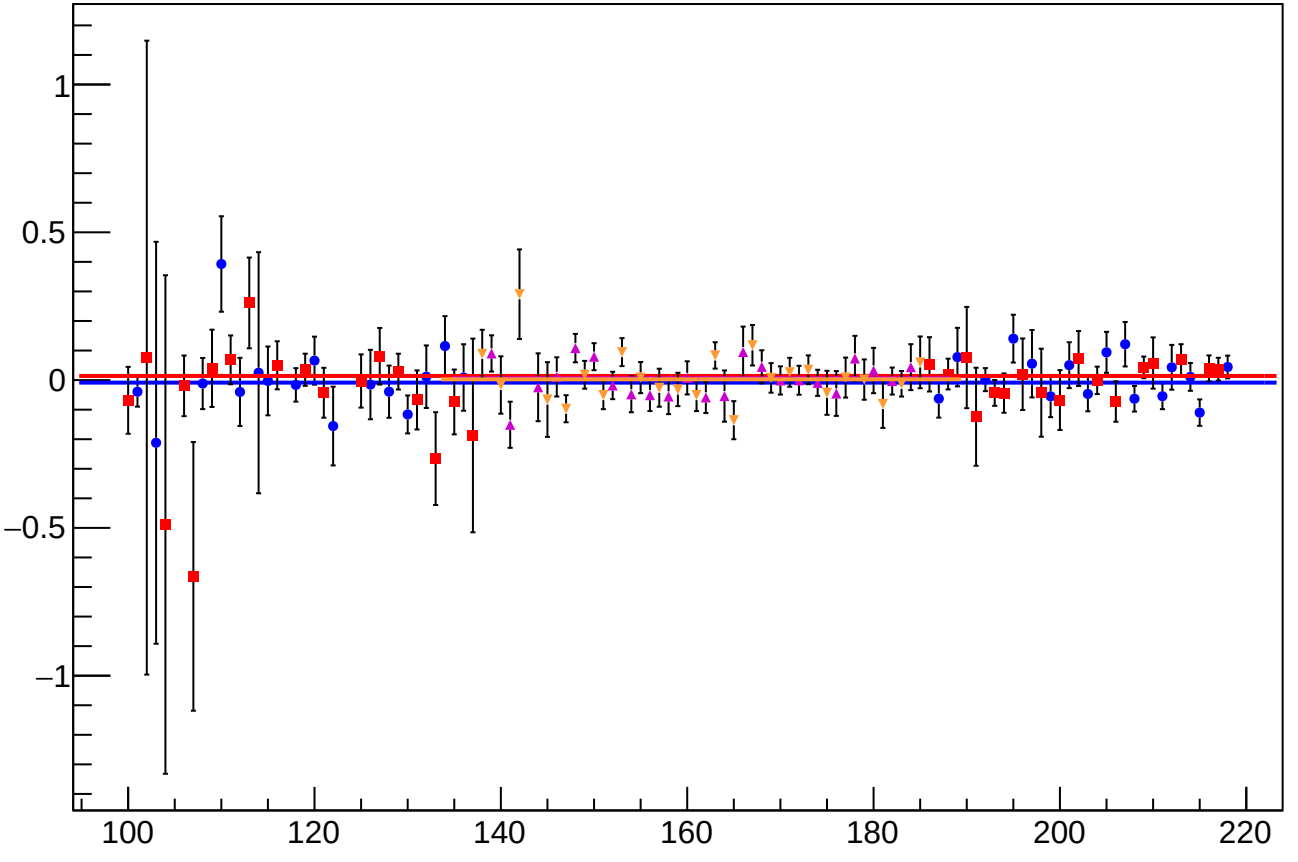
Left In: 47.575+/-0.009 χ^2/NDF:1576196.2/22

+ sign 45.612+/-0.006 χ^2/NDF: 6096276.0/55

All: 46.039+/-0.004 χ^2/NDF: 13513310.9/113

- sign 46.493+/-0.006 χ^2/NDF: 7406387.9/57

asym_usl_atl1_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.009+/-0.012 χ^2/NDF: 35.5/31

Left Out: 0.003+/-0.012 χ^2/NDF:29.9/23

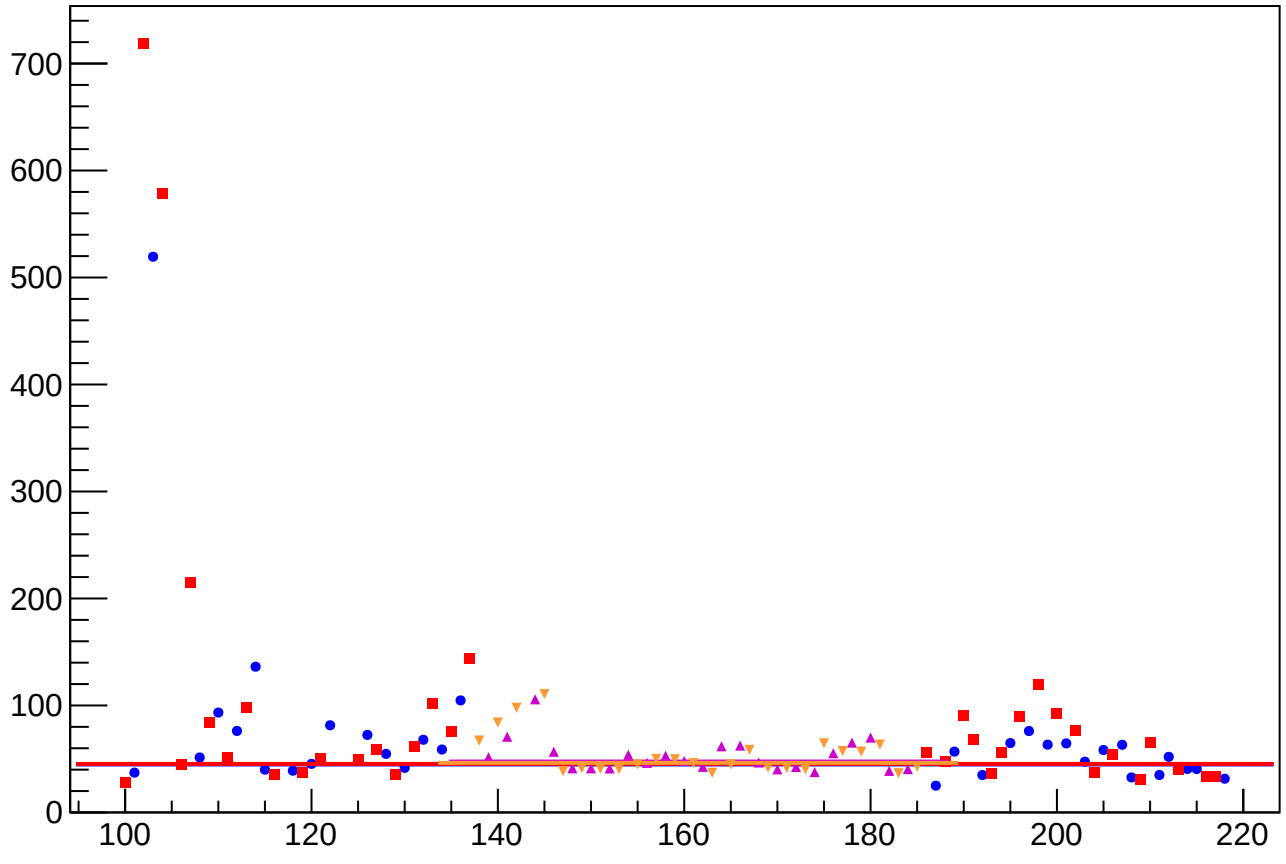
Right Out: 0.014+/-0.012 χ^2/NDF: 21.6/34

Left In: 0.006+/-0.012 χ^2/NDF:21.6/22

+ sign -0.003+/-0.008 χ^2/NDF: 65.8/55

All: 0.003+/-0.006 χ^2/NDF: 110.5/113

- sign 0.010+/-0.009 χ^2/NDF: 43.5/57



Right In: 44.872+/-0.008 χ^2/NDF: 4113004.8/31

Left Out: 46.353+/-0.008 χ^2/NDF:1967753.2/23

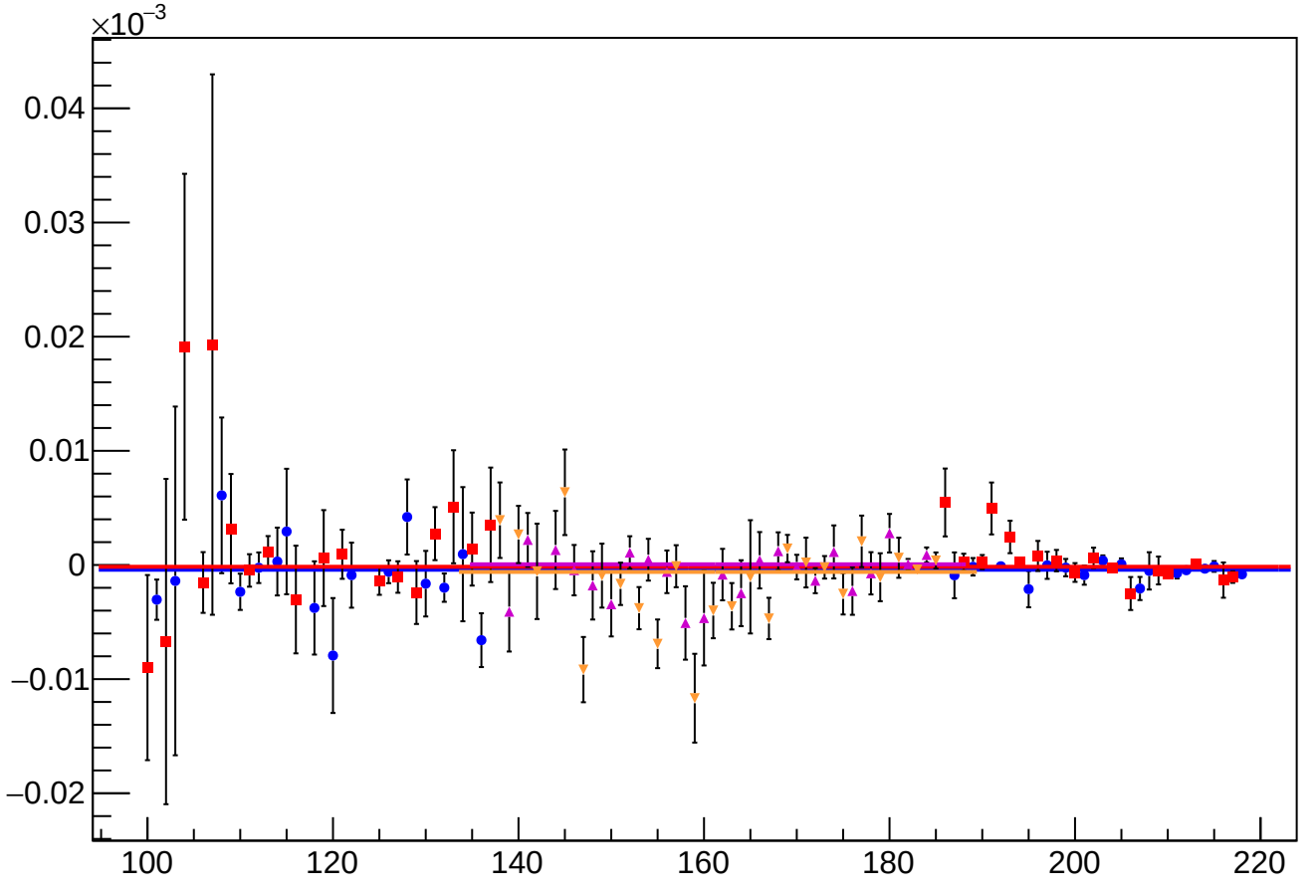
Right Out: 45.370+/-0.009 χ^2/NDF: 5797766.4/34

Left In: 47.575+/-0.009 χ^2/NDF:1576196.2/22

+ sign 45.612+/-0.006 χ^2/NDF: 6096276.0/55

All: 46.039+/-0.004 χ^2/NDF: 13513310.9/113

- sign 46.493+/-0.006 χ^2/NDF: 7406387.9/57



Right In: -0.000+/-0.000 χ^2/NDF: 29.5/31

Left Out: -0.000+/-0.000 χ^2/NDF:54.0/23

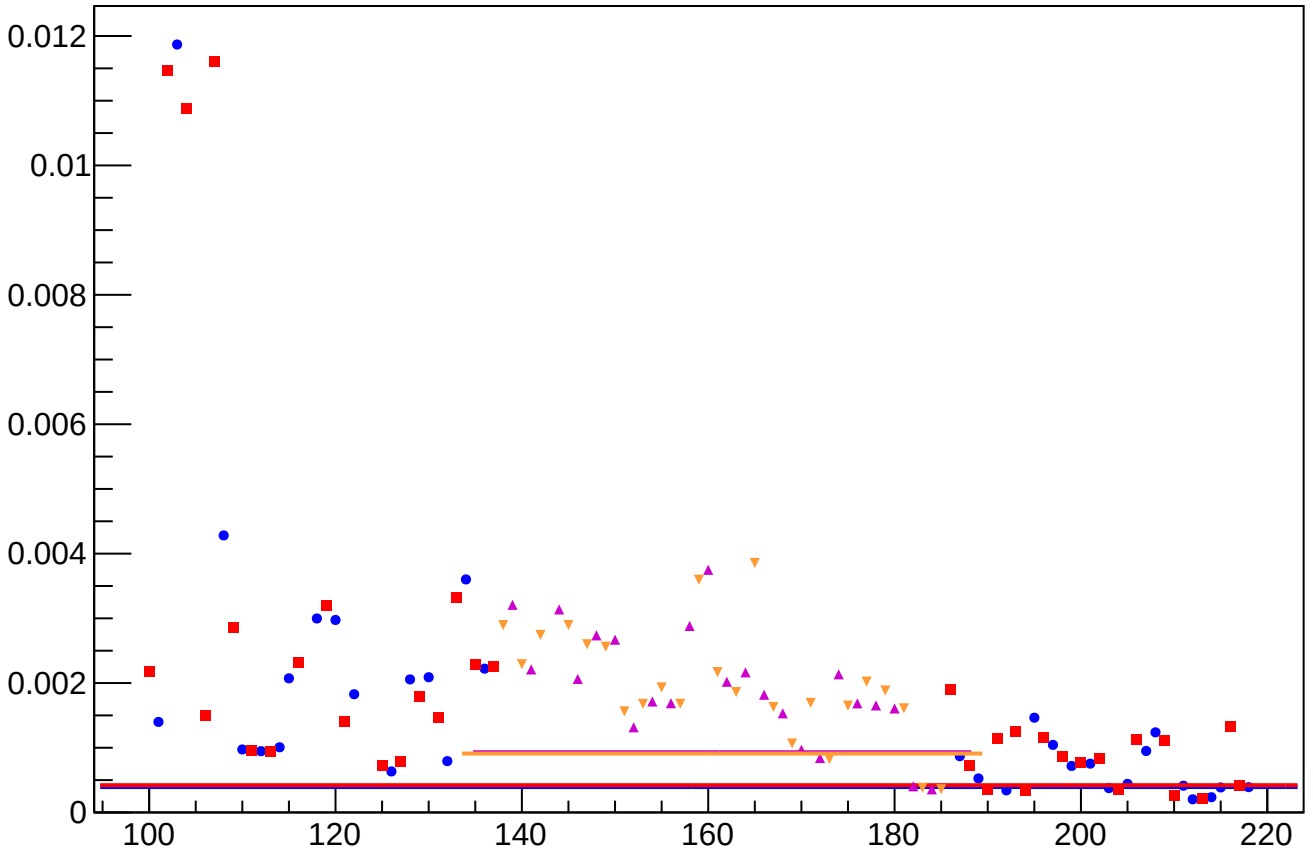
Right Out: -0.000+/-0.000 χ^2/NDF: 39.8/34

Left In: 0.000+/-0.000 χ^2/NDF:17.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 83.8/55

All: -0.000+/-0.000 χ^2/NDF: 146.2/113

- sign -0.000+/-0.000 χ^2/NDF: 58.2/57



Right In: 0.000+/-0.000 χ^2/NDF: 14181947.2/31

Left Out: 0.001+/-0.000 χ^2/NDF:14137356.3/23

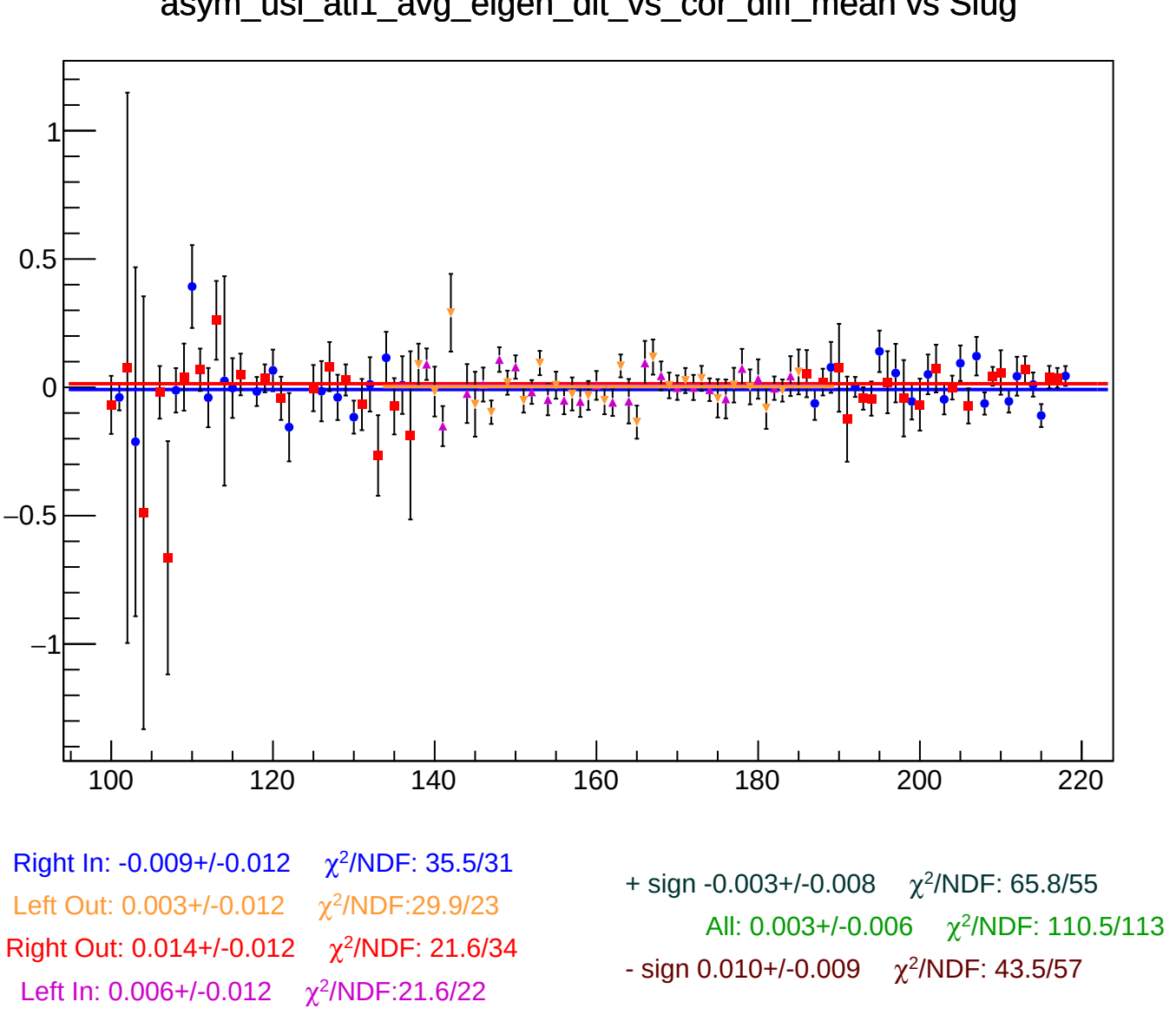
Right Out: 0.000+/-0.000 χ^2/NDF: 16239849.6/34

Left In: 0.001+/-0.000 χ^2/NDF:13690985.6/22

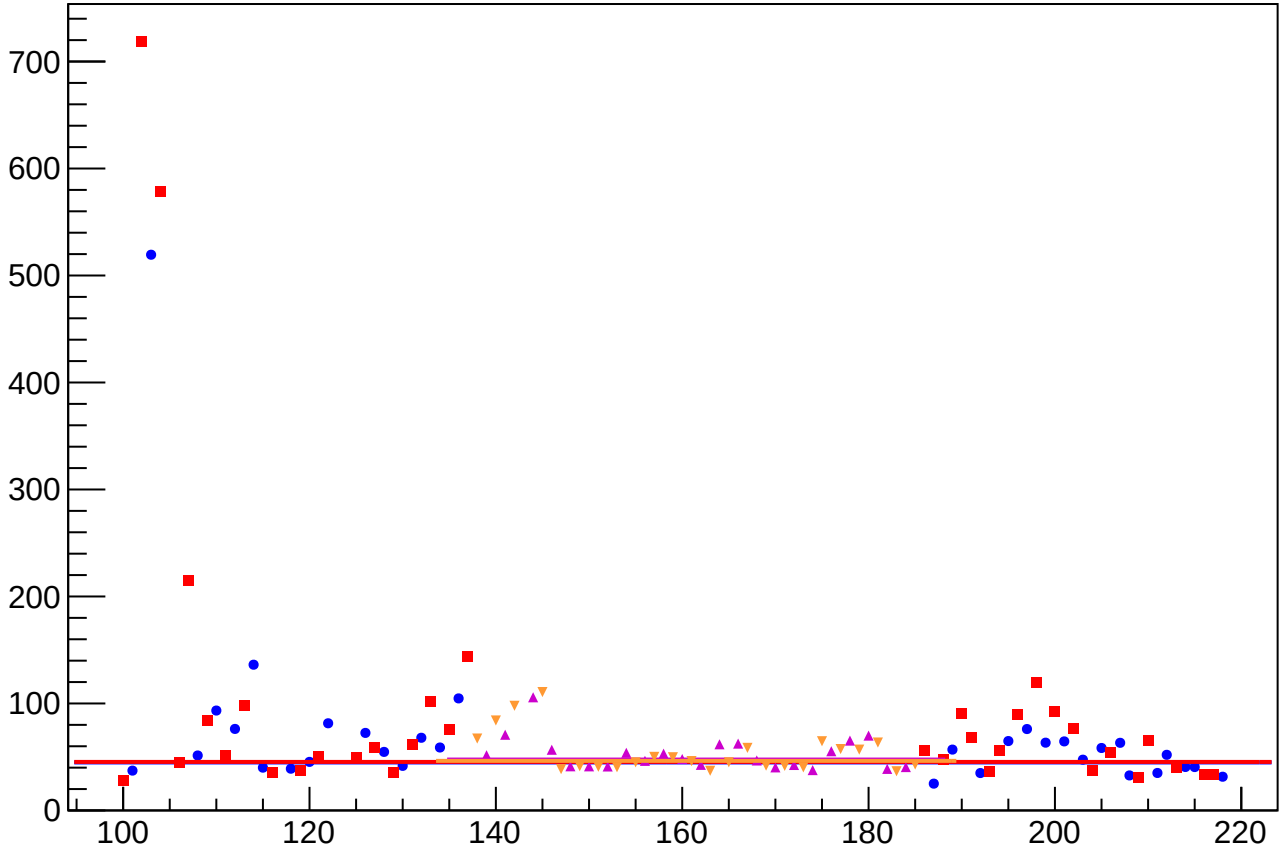
+ sign 0.000+/-0.000 χ^2/NDF: 34210527.8/55

All: 0.000+/-0.000 χ^2/NDF: 69669550.9/113

- sign 0.001+/-0.000 χ^2/NDF: 35344574.8/57


asym_usl_atl1_avg_eigen_dit_vs_cor_diff_mean vs Slug
1
0.5
0
−0.5
−1
100
120
140
160
180
200
220
Right In: -0.009+/-0.012 χ²/NDF: 35.5/31
Left Out: 0.003+/-0.012 χ²/NDF:29.9/23
Right Out: 0.014+/-0.012 χ²/NDF: 21.6/34
Left In: 0.006+/-0.012 χ²/NDF:21.6/22
+ sign -0.003+/-0.008 χ²/NDF: 65.8/55
All: 0.003+/-0.006 χ²/NDF: 110.5/113
- sign 0.010+/-0.009 χ²/NDF: 43.5/57

asym_usl_atl1_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 44.872+/-0.008 χ^2/NDF: 4113025.7/31

Left Out: 46.354+/-0.008 χ^2/NDF:1967741.3/23

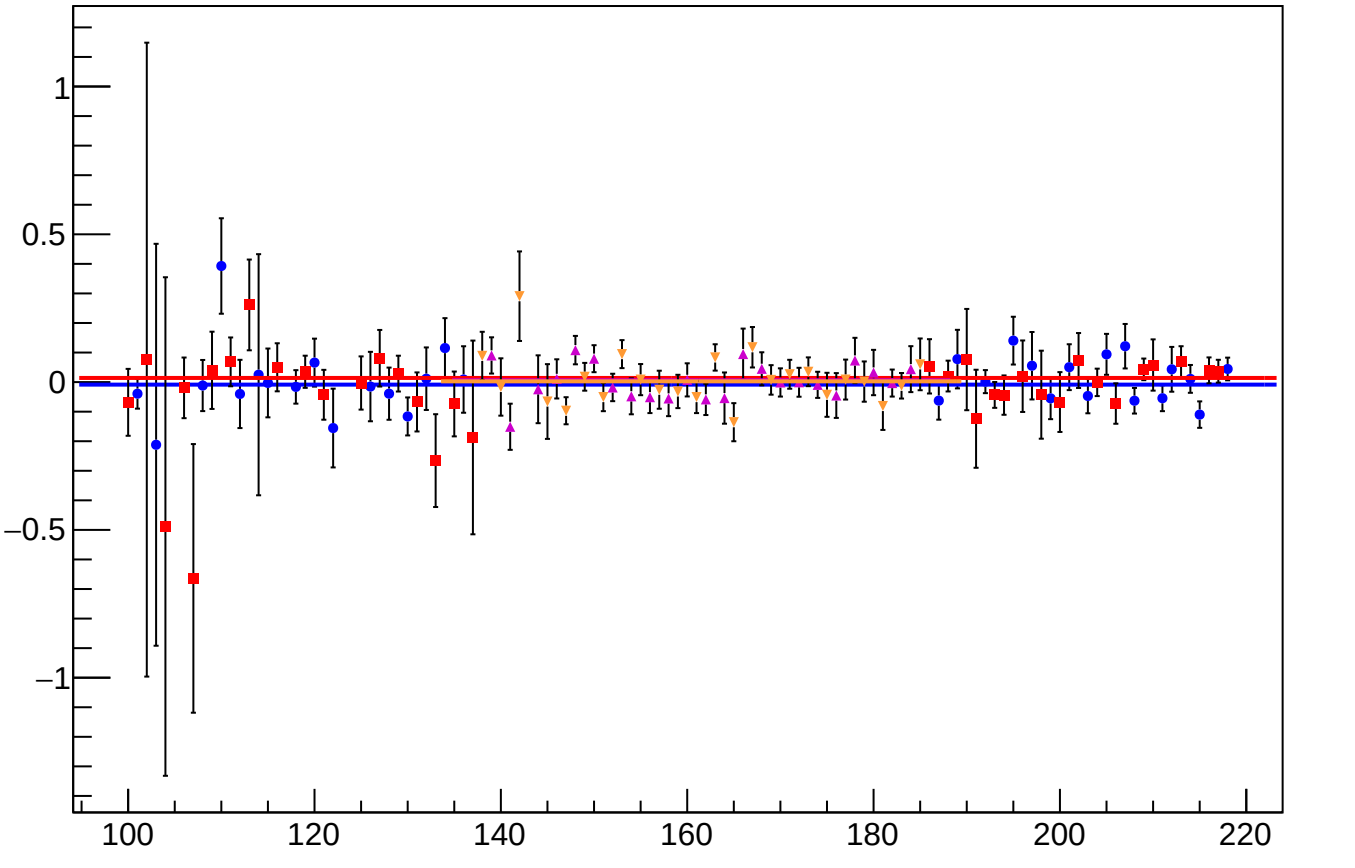
Right Out: 45.370+/-0.009 χ^2/NDF: 5797769.2/34

Left In: 47.575+/-0.009 χ^2/NDF:1576204.5/22

+ sign 45.612+/-0.006 χ^2/NDF: 6096289.2/55

All: 46.039+/-0.004 χ^2/NDF: 13513341.0/113

- sign 46.492+/-0.006 χ^2/NDF: 7406408.2/57



Right In: -0.009+/-0.012 χ^2/NDF: 35.5/31

Left Out: 0.003+/-0.012 χ^2/NDF:29.9/23

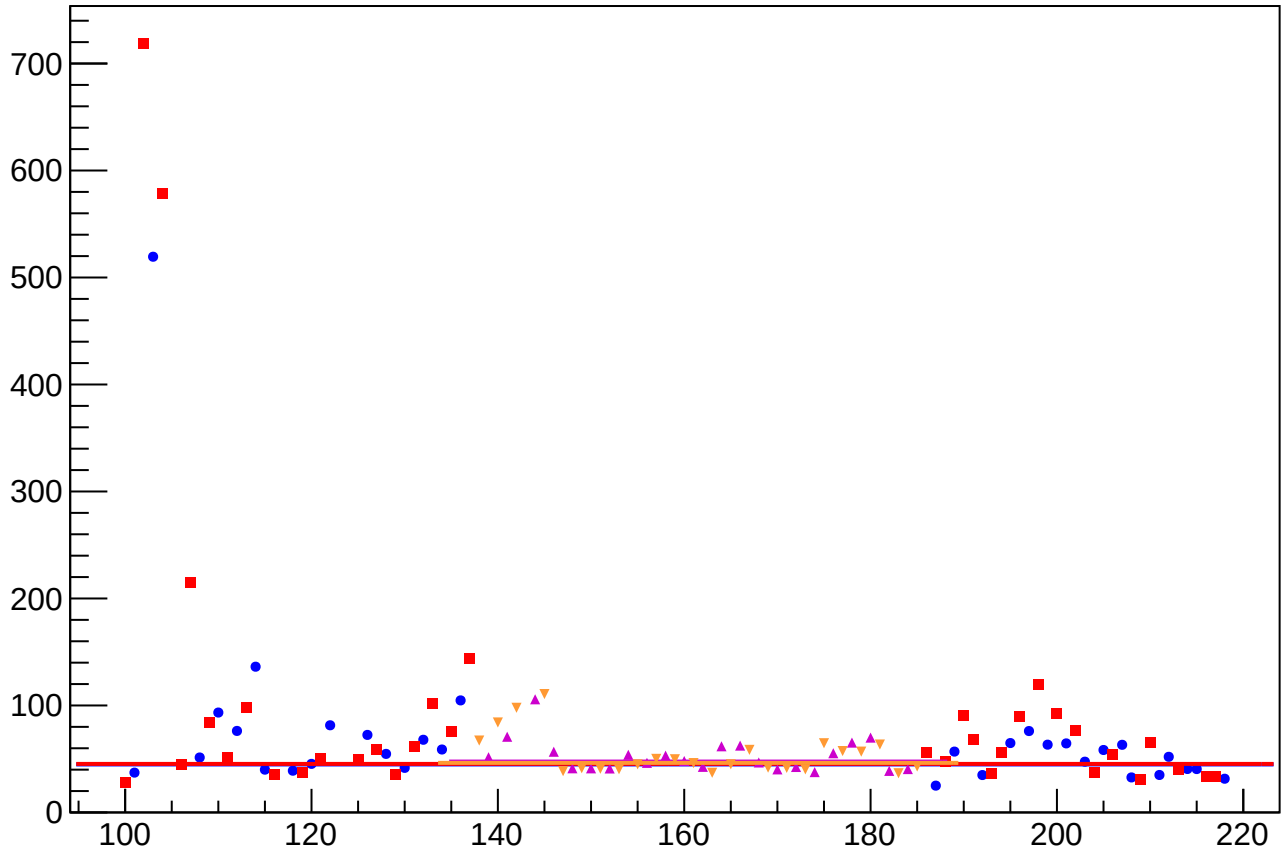
Right Out: 0.014+/-0.012 χ^2/NDF: 21.6/34

Left In: 0.006+/-0.012 χ^2/NDF:21.6/22

\+ sign -0.003+/-0.008 χ^2/NDF: 65.8/55

All: 0.003+/-0.006 χ^2/NDF: 110.5/113

\- sign 0.010+/-0.009 χ^2/NDF: 43.5/57



Right In: 44.872+/-0.008 χ^2/NDF: 4113025.7/31

Left Out: 46.354+/-0.008 χ^2/NDF:1967741.3/23

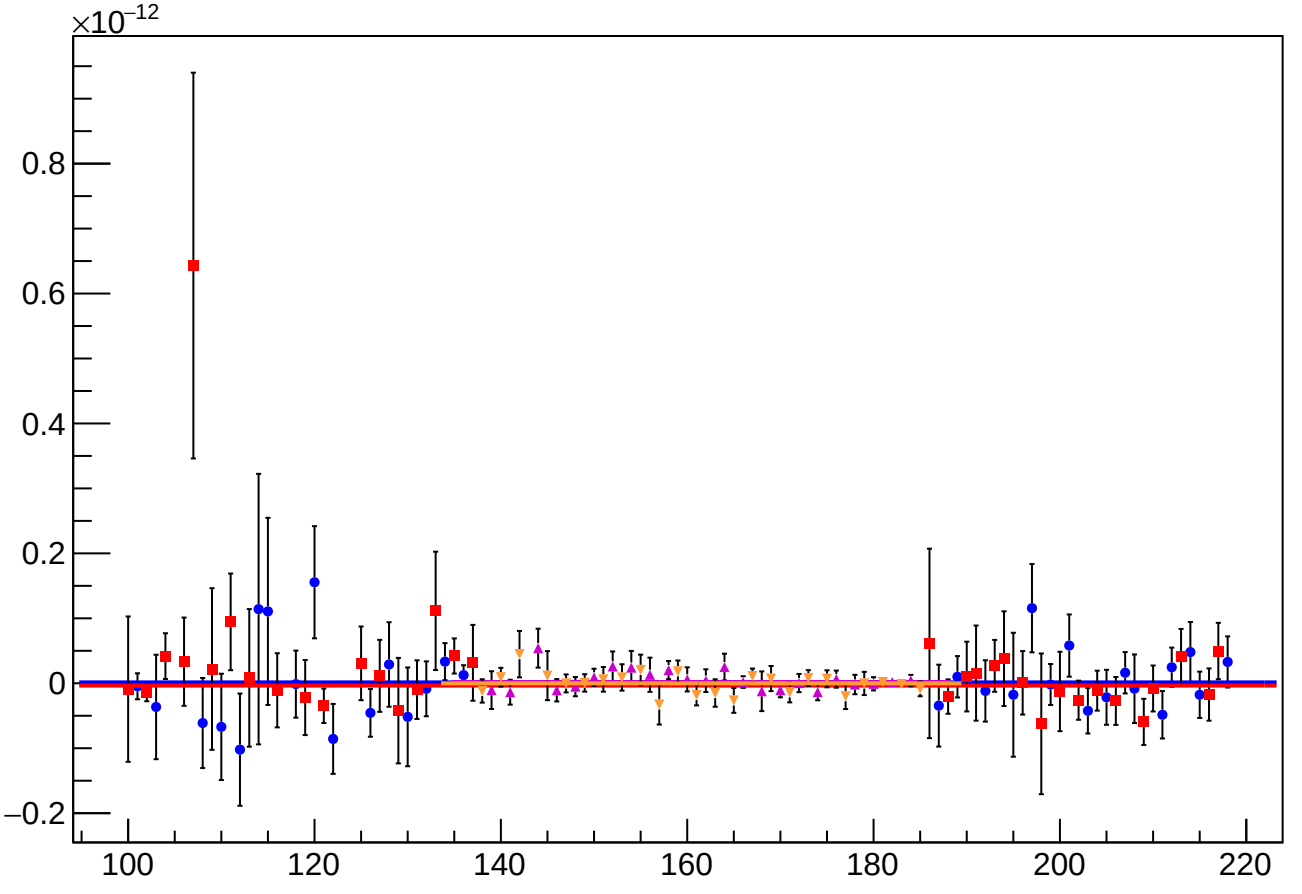
Right Out: 45.370+/-0.009 χ^2/NDF: 5797769.2/34

Left In: 47.575+/-0.009 χ^2/NDF:1576204.5/22

+ sign 45.612+/-0.006 χ^2/NDF: 6096289.2/55

All: 46.039+/-0.004 χ^2/NDF: 13513341.0/113

- sign 46.492+/-0.006 χ^2/NDF: 7406408.2/57



Right In: 0.000+/-0.000 χ^2/NDF: 25.4/31

Left Out: -0.000+/-0.000 χ^2/NDF:13.9/23

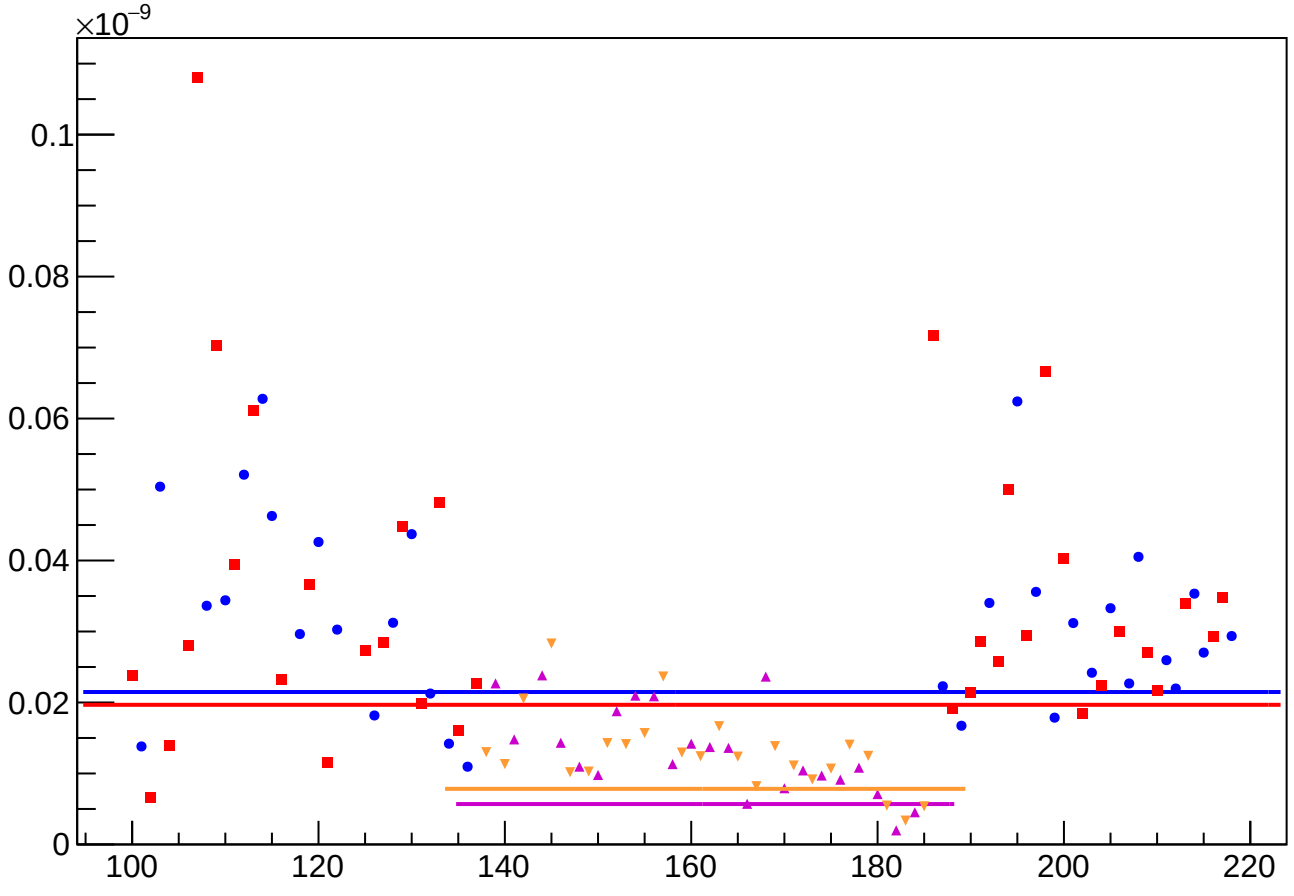
Right Out: -0.000+/-0.000 χ^2/NDF: 24.4/34

Left In: 0.000+/-0.000 χ^2/NDF:13.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 39.3/55

All: 0.000+/-0.000 χ^2/NDF: 77.8/113

- sign 0.000+/-0.000 χ^2/NDF: 38.3/57



Right In: 0.000+/-0.000 χ^2/NDF: 4114540.6/31

Left Out: 0.000+/-0.000 χ^2/NDF:6422392.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 6153010.2/34

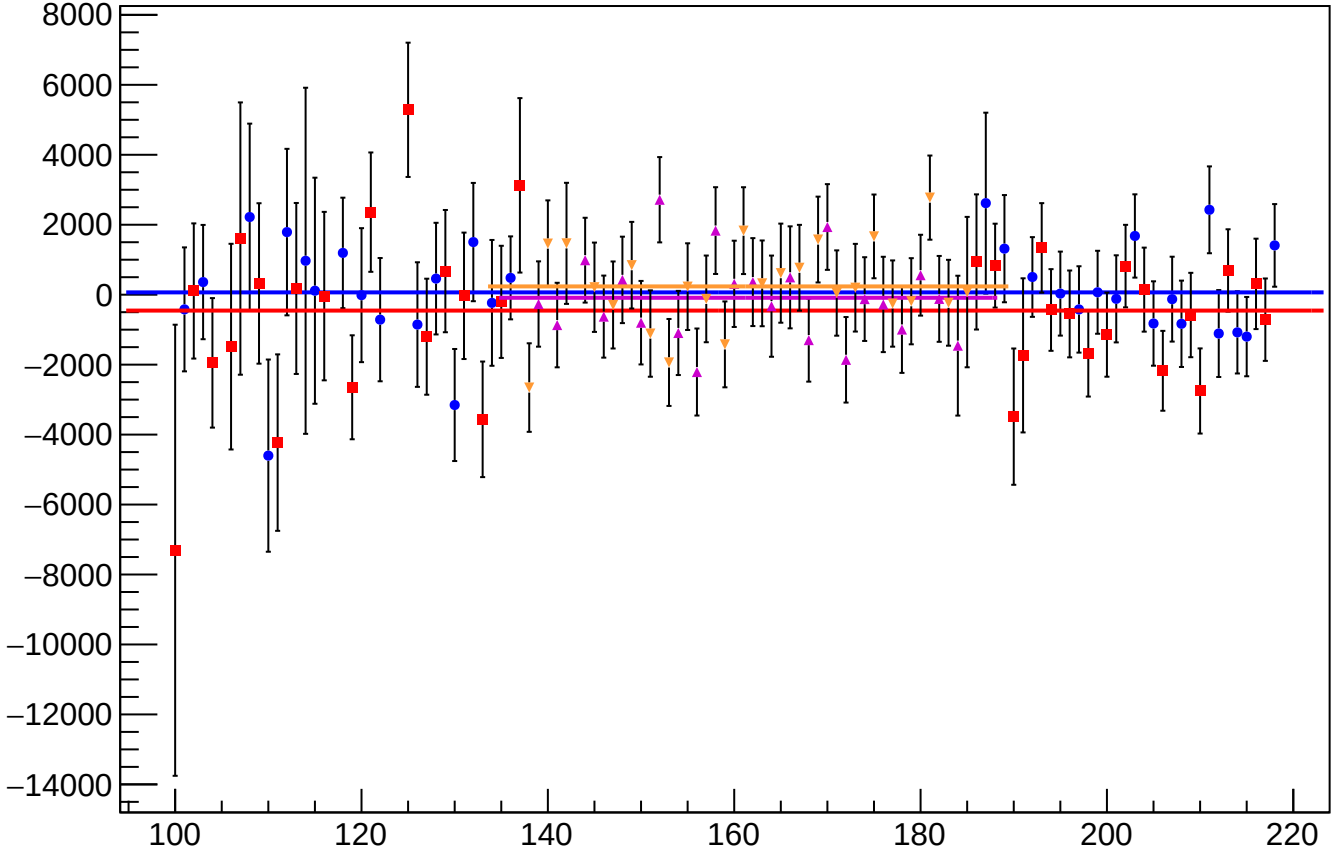
Left In: 0.000+/-0.000 χ^2/NDF:11199324.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 17485753.9/55

All: 0.000+/-0.000 χ^2/NDF: 44034323.3/113

- sign 0.000+/-0.000 χ^2/NDF: 25253458.6/57

reg_asym_usl_atl1_dd_mean vs Slug



Right In: 65.865+/-257.893 χ^2/NDF: 23.0/31

Left Out: 236.601+/-259.669 χ^2/NDF:22.7/23

Right Out: -454.271+/-259.917 χ^2/NDF: 41.2/34

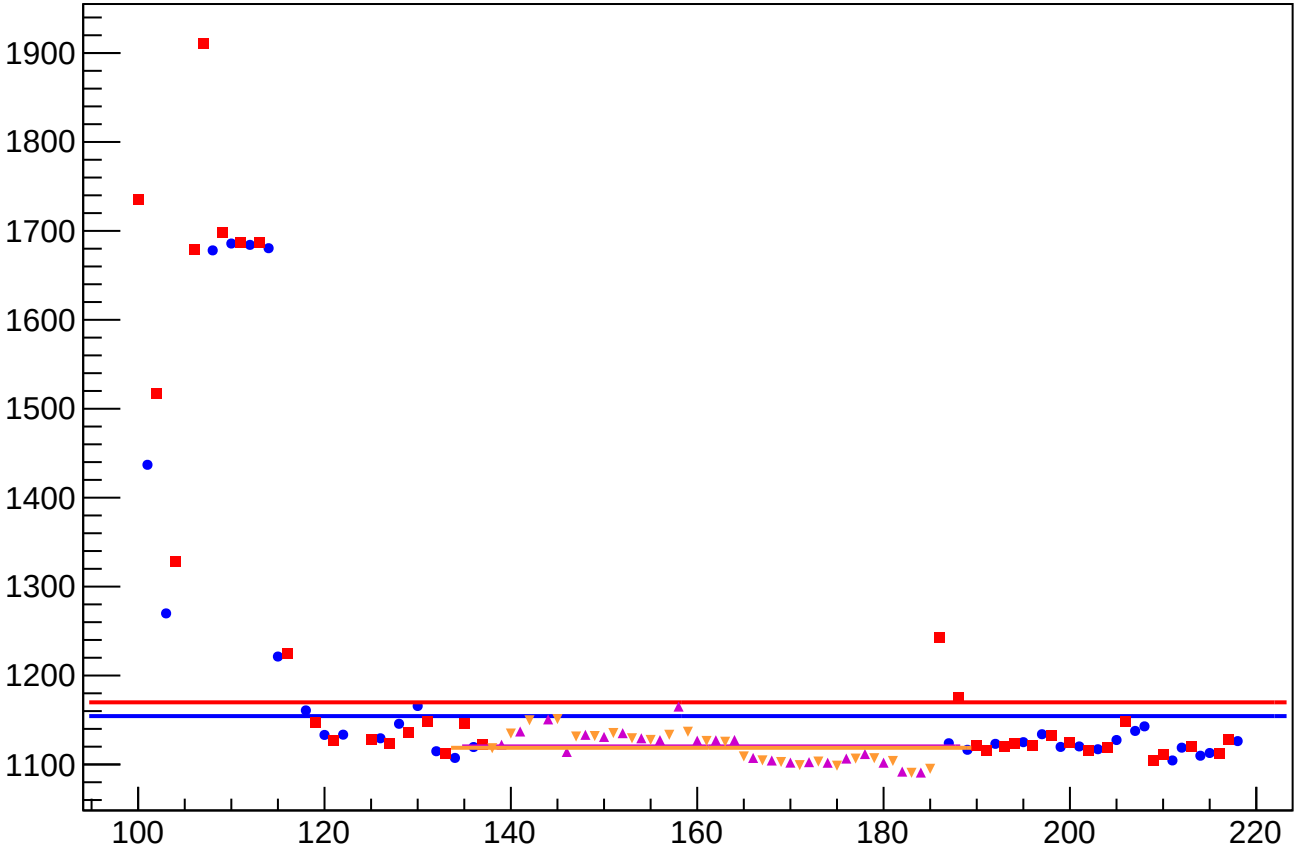
Left In: -88.380+/-261.602 χ^2/NDF:20.9/22

+ sign 150.647+/-182.982 χ^2/NDF: 46.0/55

All: -59.318+/-129.880 χ^2/NDF: 111.7/113

- sign -272.508+/-184.382 χ^2/NDF: 63.1/57

reg_asym_usl_atl1_dd_rms vs Slug



Right In: 1154.377+/-0.182 χ^2/NDF: 363545.3/31

Left Out: 1118.733+/-0.184 χ^2/NDF:8205.0/23

Right Out: 1169.856+/-0.184 χ^2/NDF: 564693.3/34

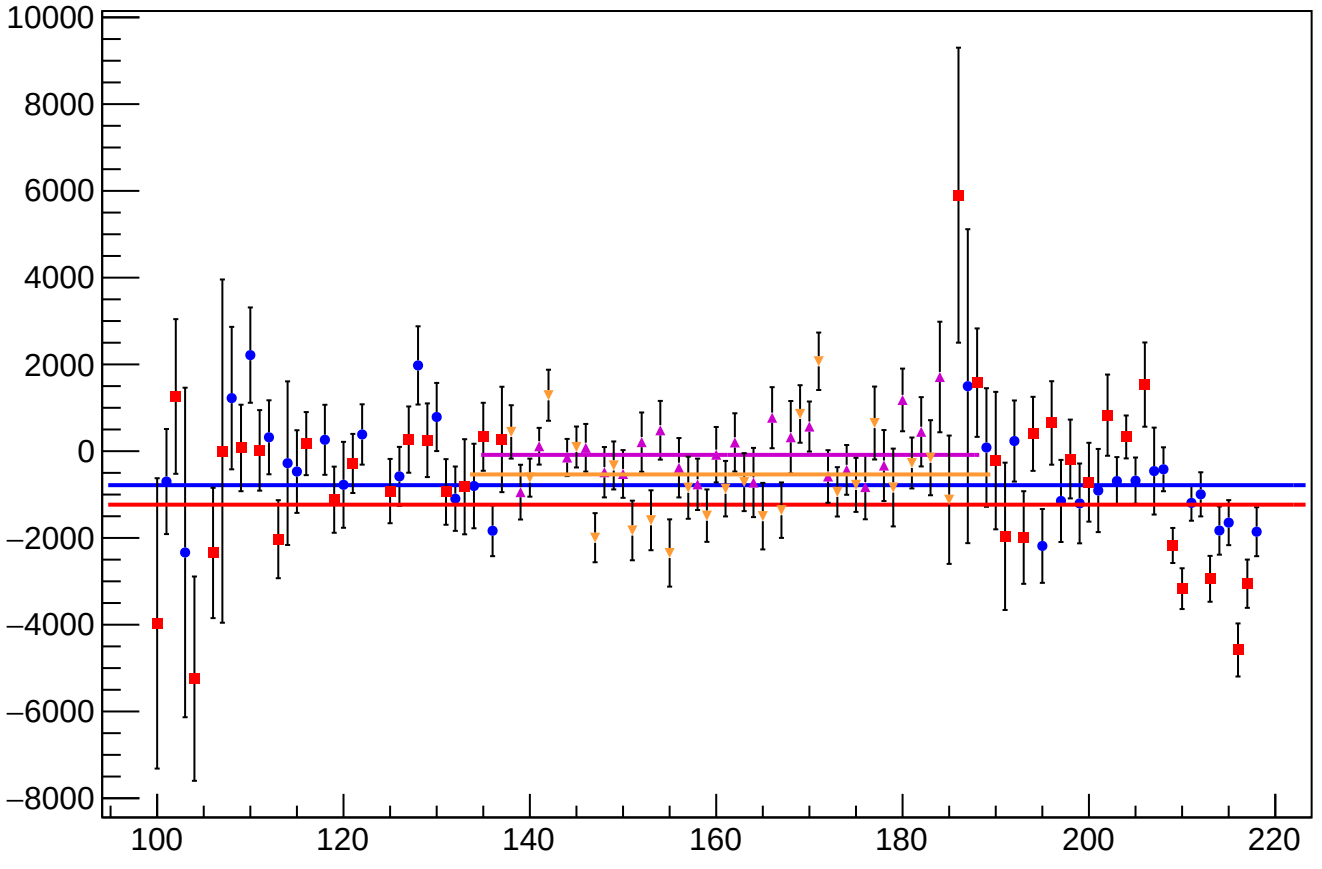
Left In: 1120.308+/-0.185 χ^2/NDF:9479.7/22

+ sign 1136.678+/-0.129 χ^2/NDF: 390721.8/55

All: 1140.927+/-0.092 χ^2/NDF: 1003173.5/11

- sign 1145.242+/-0.130 χ^2/NDF: 610277.5/57

asym_usl_atl1_dd_reg_correction_mean vs Slug



Right In: -783.521+/-131.059 χ^2/NDF: 49.2/31

Left Out: -535.899+/-130.646 χ^2/NDF:61.6/23

Right Out: -1233.164+/-136.425 χ^2/NDF: 145.4/34

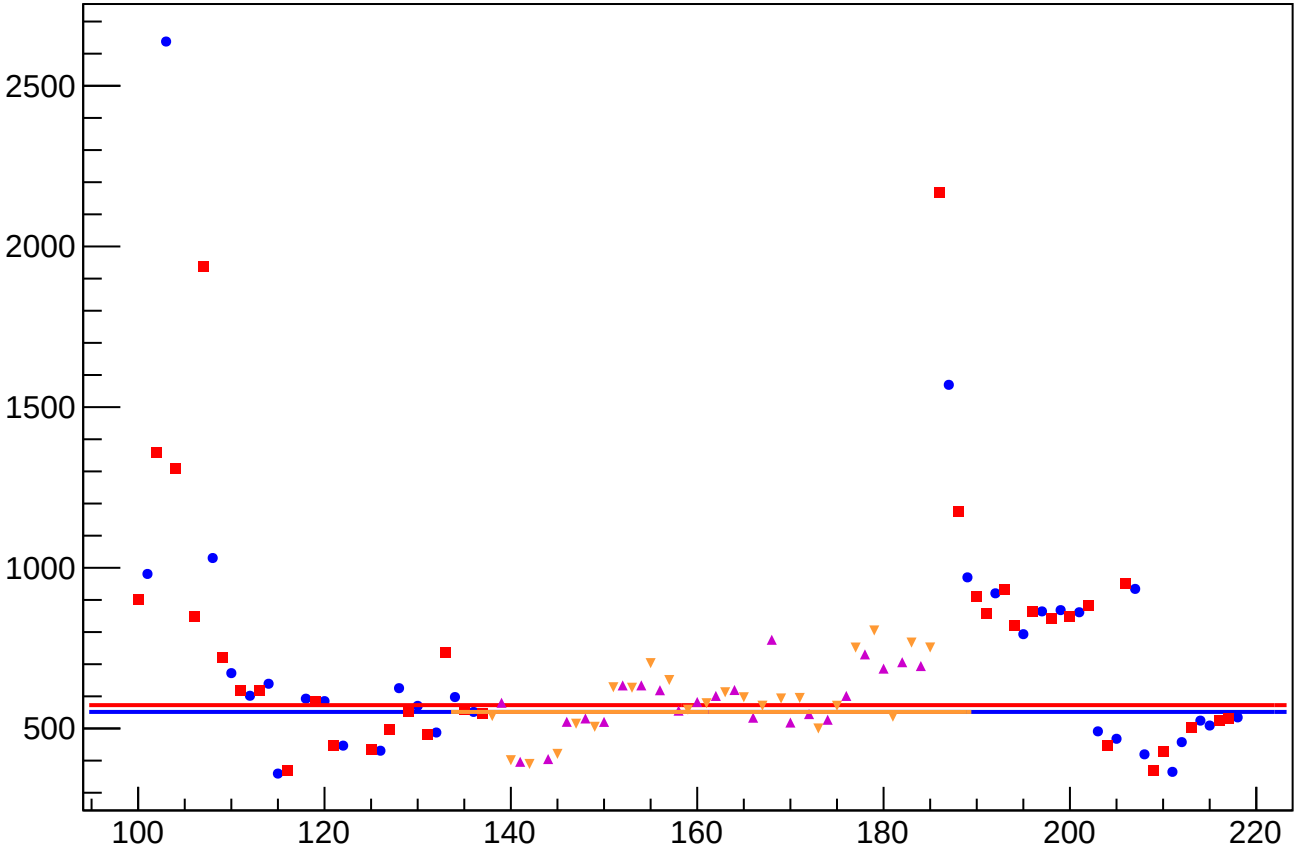
Left In: -85.254+/-130.966 χ^2/NDF:17.1/22

\+ sign -659.320+/-92.526 χ^2/NDF: 112.5/55

All: -647.797+/-66.105 χ^2/NDF: 311.9/113

\- sign -635.783+/-94.478 χ^2/NDF: 199.3/57

asym_usl_atl1_dd_reg_correction_rms vs Slug



Right In: 551.505+/-0.093 χ^2/NDF: 3777294.7/31

Left Out: 551.440+/-0.092 χ^2/NDF:1226616.4/23

Right Out: 572.624+/-0.096 χ^2/NDF: 4758345.6/34

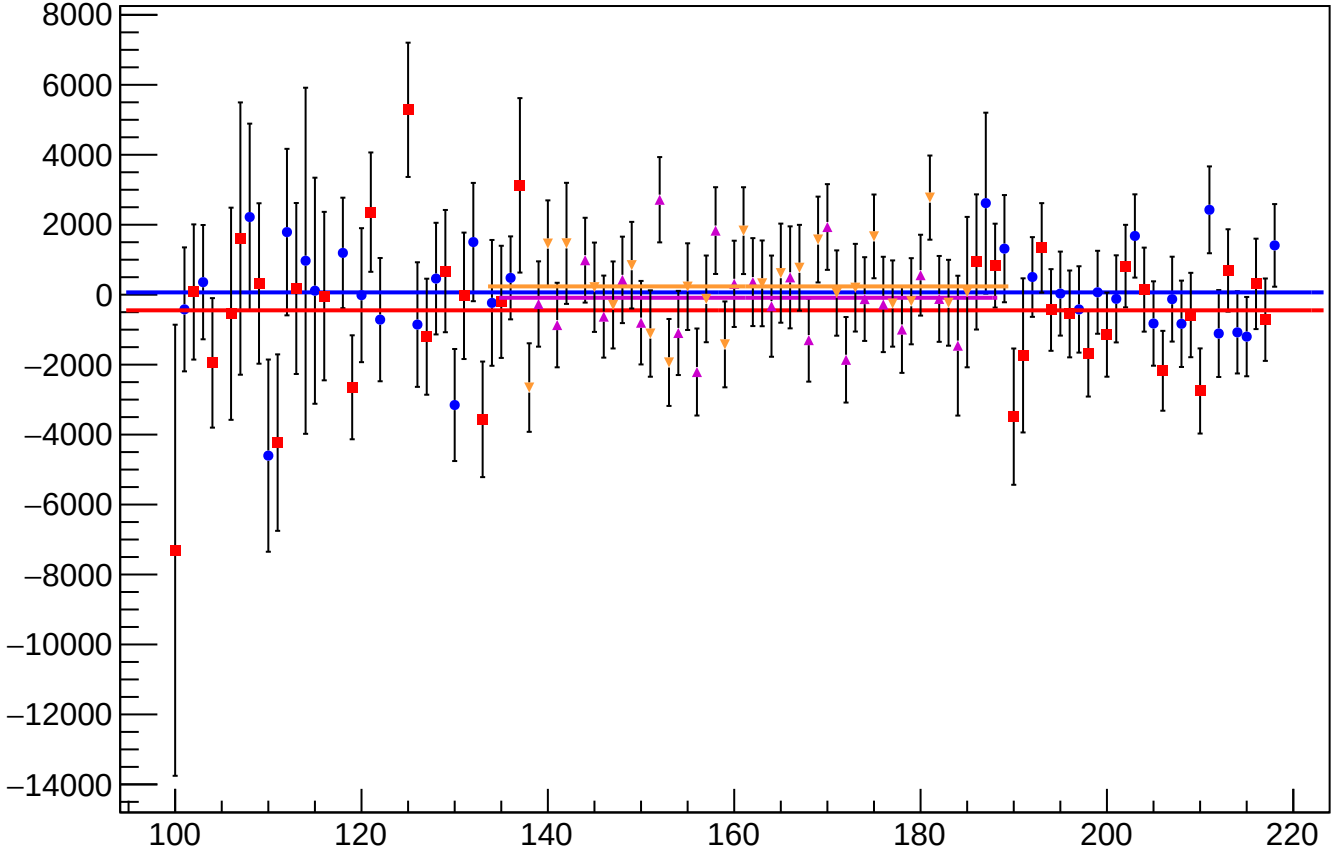
Left In: 551.336+/-0.093 χ^2/NDF:1061764.2/22

+ sign 551.472+/-0.065 χ^2/NDF: 5003911.4/55

All: 556.404+/-0.047 χ^2/NDF: 10860968.1/11

- sign 561.546+/-0.067 χ^2/NDF: 5845451.8/57

cor_asym_usl_atl1_dd_mean vs Slug



Right In: 65.743+/-257.893 χ^2/NDF: 23.0/31

Left Out: 236.642+/-259.669 χ^2/NDF:22.7/23

Right Out: -447.419+/-259.979 χ^2/NDF: 41.1/34

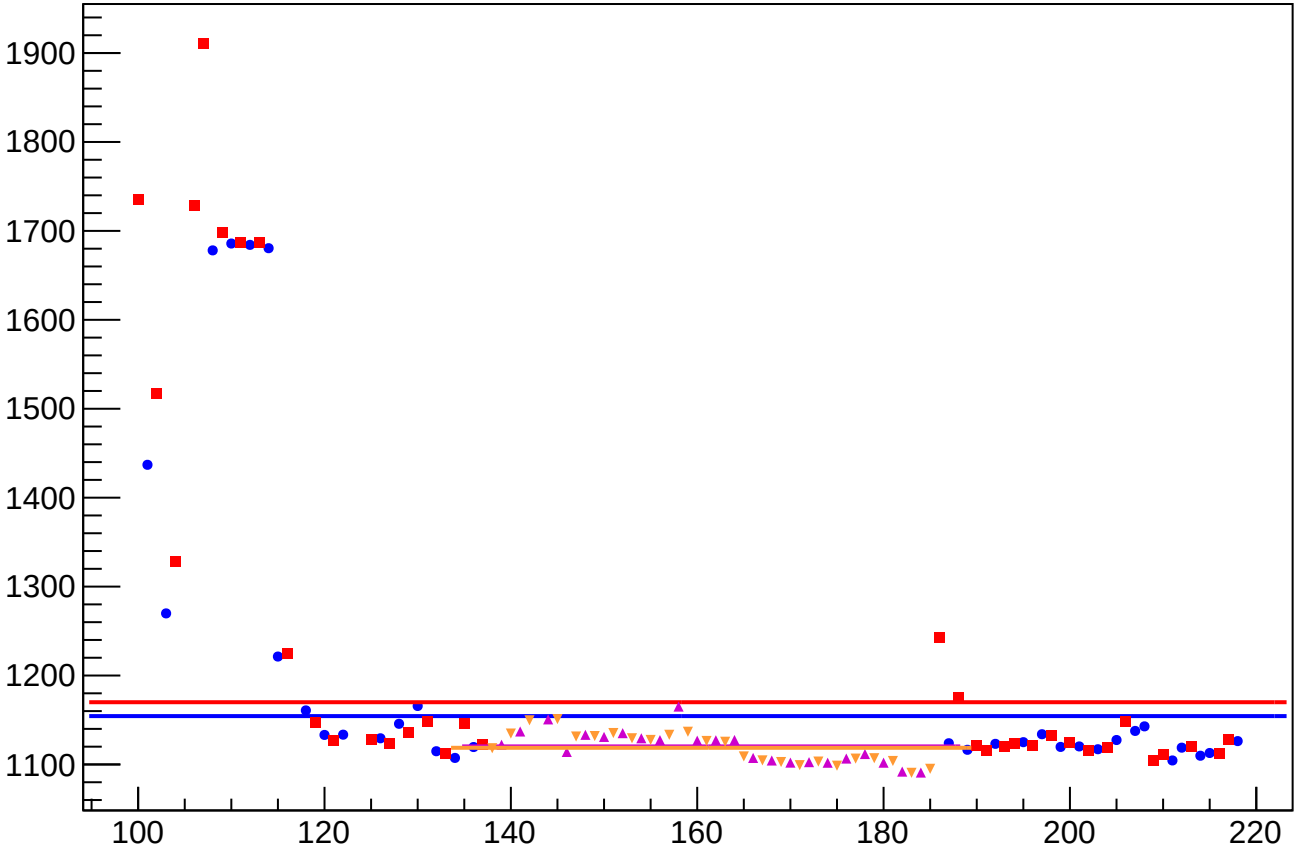
Left In: -88.370+/-261.602 χ^2/NDF:20.9/22

+ sign 150.606+/-182.982 χ^2/NDF: 46.0/55

All: -57.579+/-129.888 χ^2/NDF: 111.5/113

- sign -269.012+/-184.404 χ^2/NDF: 62.9/57

cor_asym_usl_atl1_dd_rms vs Slug



Right In: 1154.377+/-0.182 χ^2/NDF: 363545.3/31

Left Out: 1118.733+/-0.184 χ^2/NDF:8205.0/23

Right Out: 1169.985+/-0.184 χ^2/NDF: 572702.4/34

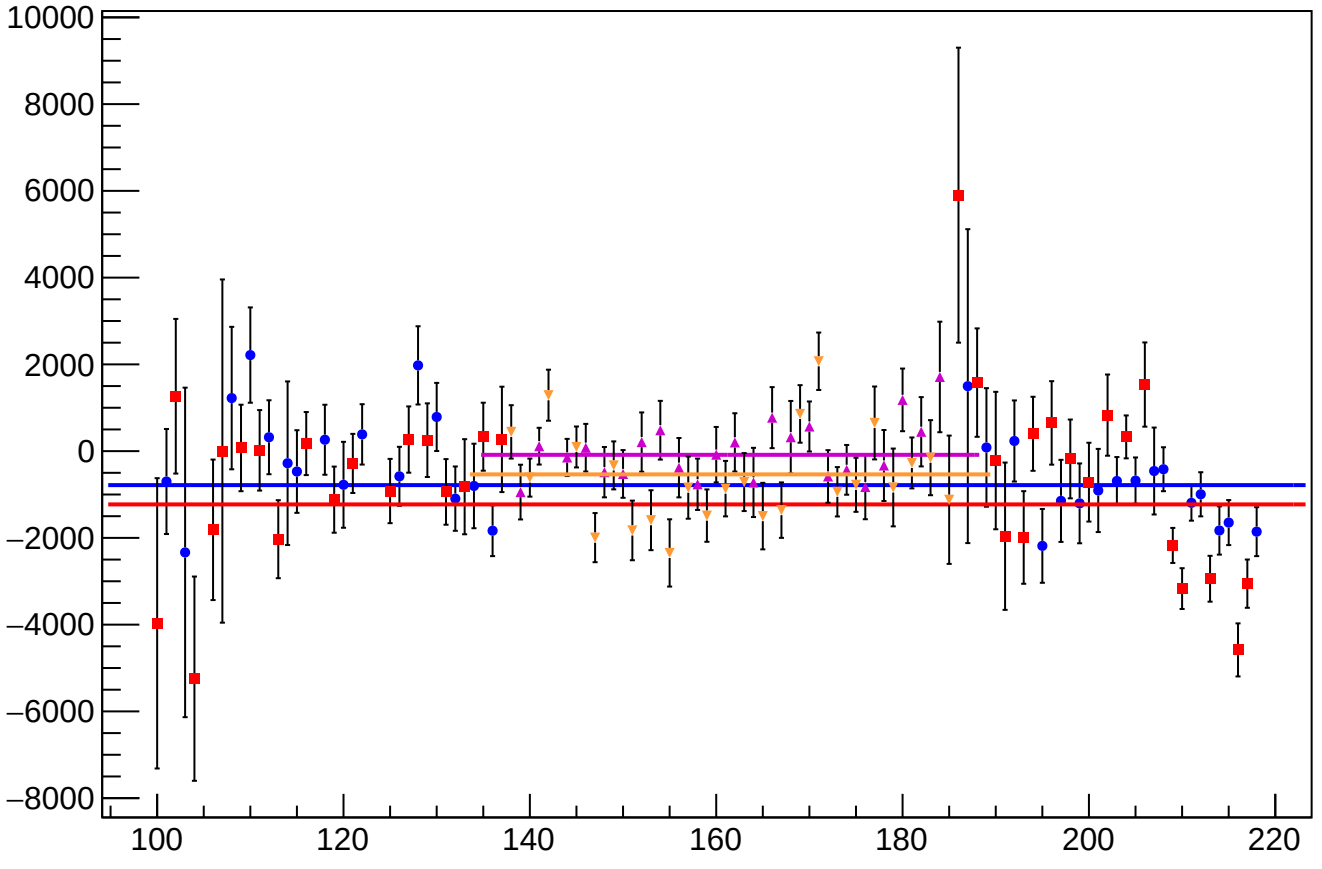
Left In: 1120.308+/-0.185 χ^2/NDF:9479.7/22

+ sign 1136.678+/-0.129 χ^2/NDF: 390721.9/55

All: 1140.956+/-0.092 χ^2/NDF: 1011391.7/11

- sign 1145.301+/-0.130 χ^2/NDF: 618465.9/57

asym_usl_atl1_dd_cor_correction_mean vs Slug



Right In: -783.520+/-131.058 χ^2/NDF: 49.2/31

Left Out: -535.930+/-130.646 χ^2/NDF:61.6/23

Right Out: -1228.068+/-136.503 χ^2/NDF: 144.9/34

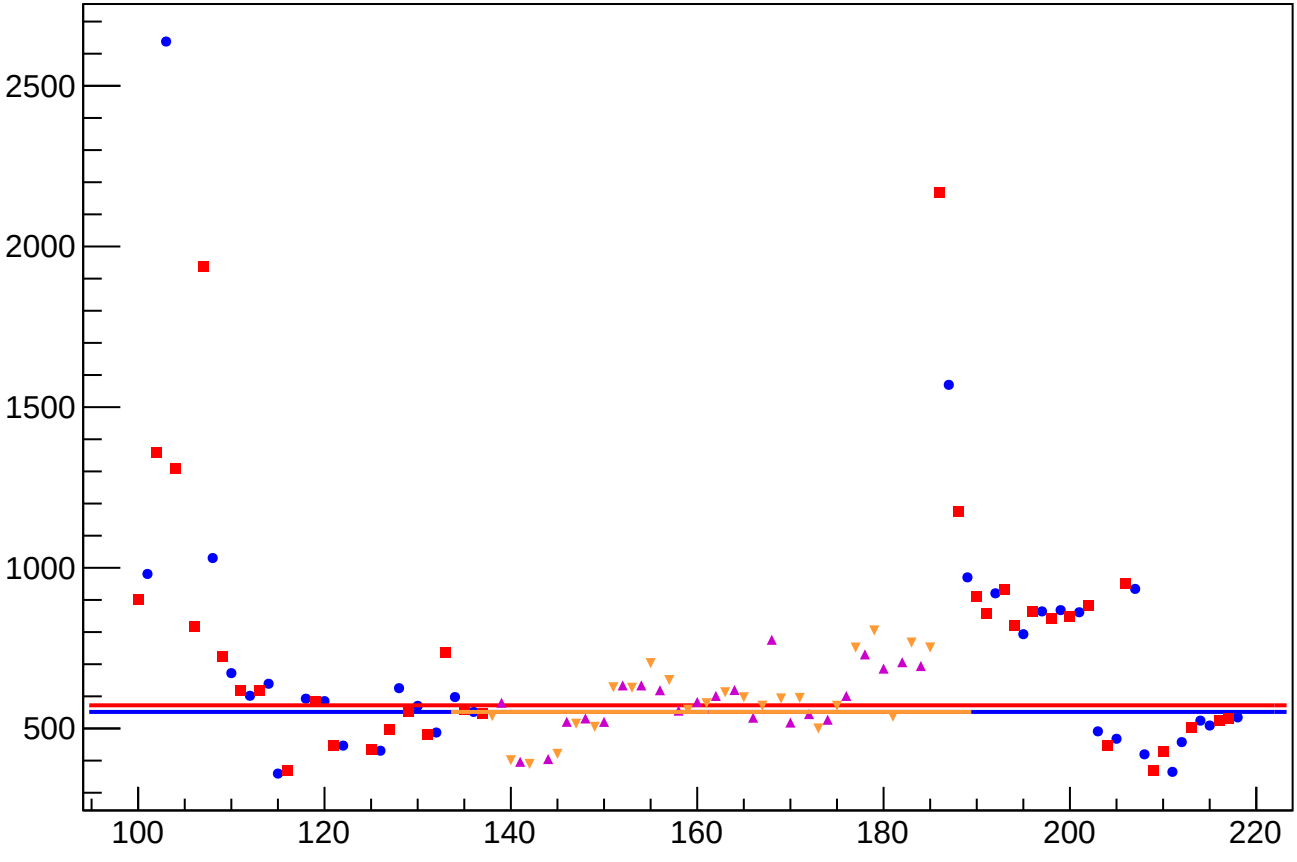
Left In: -85.243+/-130.966 χ^2/NDF:17.1/22

\+ sign -659.335+/-92.526 χ^2/NDF: 112.5/55

All: -646.448+/-66.114 χ^2/NDF: 311.2/113

\- sign -633.005+/-94.504 χ^2/NDF: 198.6/57

asym_usl_atl1_dd_cor_correction_rms vs Slug



Right In: 551.502+/-0.093 χ^2/NDF: 3777281.4/31

Left Out: 551.439+/-0.092 χ^2/NDF:1226632.2/23

Right Out: 572.080+/-0.097 χ^2/NDF: 4737010.7/34

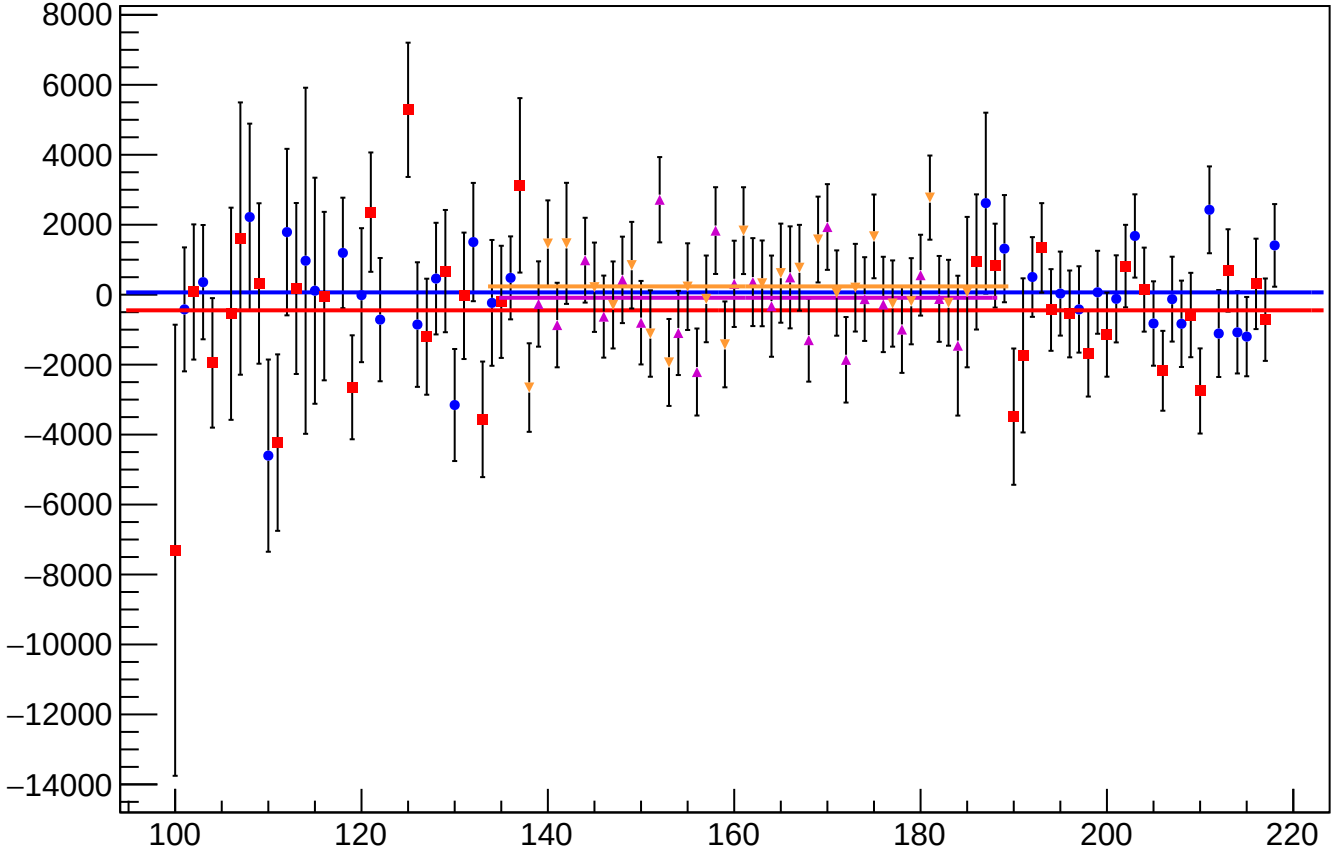
Left In: 551.335+/-0.093 χ^2/NDF:1061731.9/22

+ sign 551.471+/-0.065 χ^2/NDF: 5003913.8/55

All: 556.271+/-0.047 χ^2/NDF: 10837707.4/11

- sign 561.279+/-0.067 χ^2/NDF: 5822794.6/57

eigen_cor_asym_usl_atl1_dd_mean vs Slug



Right In: 65.743+/-257.893 χ^2/NDF: 23.0/31

Left Out: 236.642+/-259.669 χ^2/NDF:22.7/23

Right Out: -447.419+/-259.979 χ^2/NDF: 41.1/34

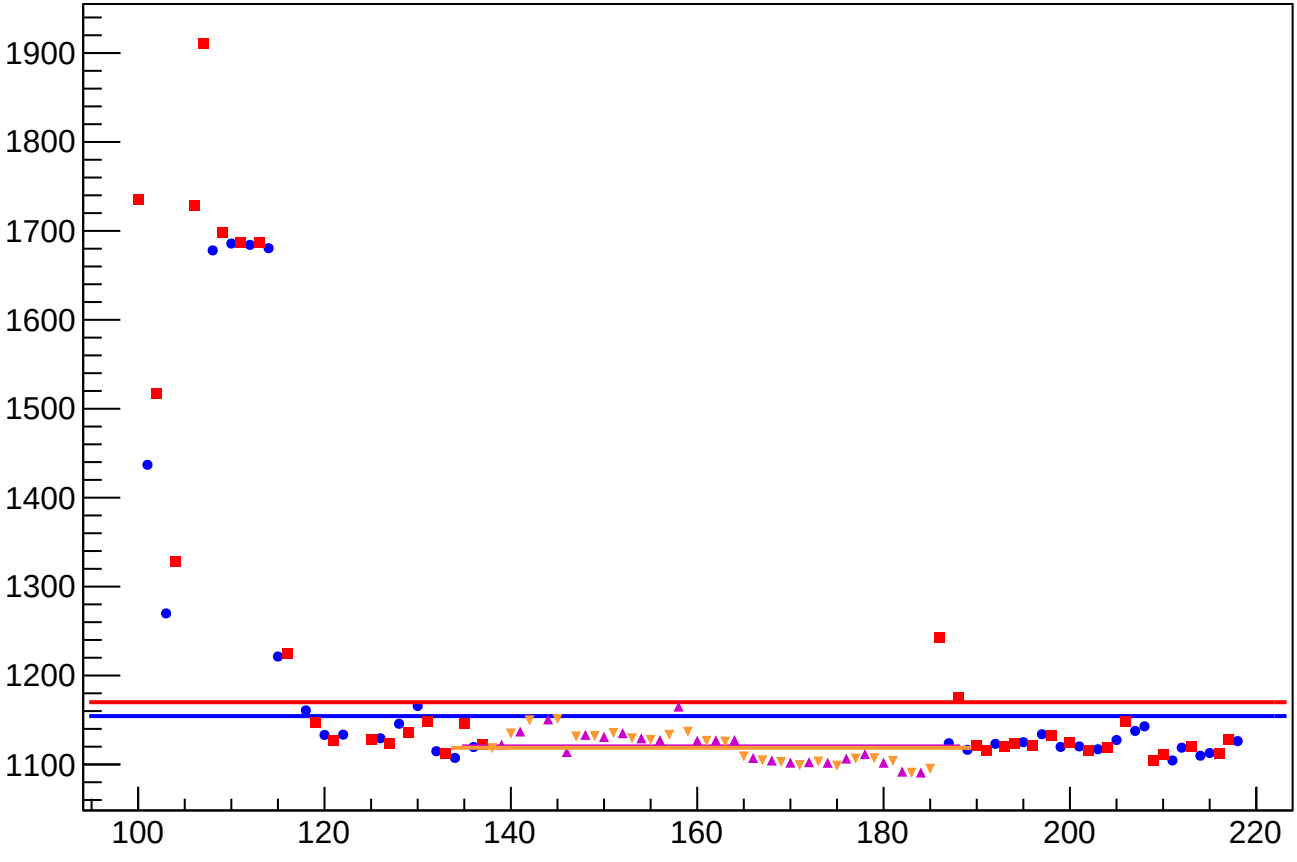
Left In: -88.370+/-261.602 χ^2/NDF:20.9/22

+ sign 150.606+/-182.982 χ^2/NDF: 46.0/55

All: -57.579+/-129.888 χ^2/NDF: 111.5/113

- sign -269.012+/-184.404 χ^2/NDF: 62.9/57

eigen_cor_asym_usl_atl1_dd_rms vs Slug



Right In: 1154.377+/-0.182 χ^2/NDF: 363545.3/31

Left Out: 1118.733+/-0.184 χ^2/NDF:8205.0/23

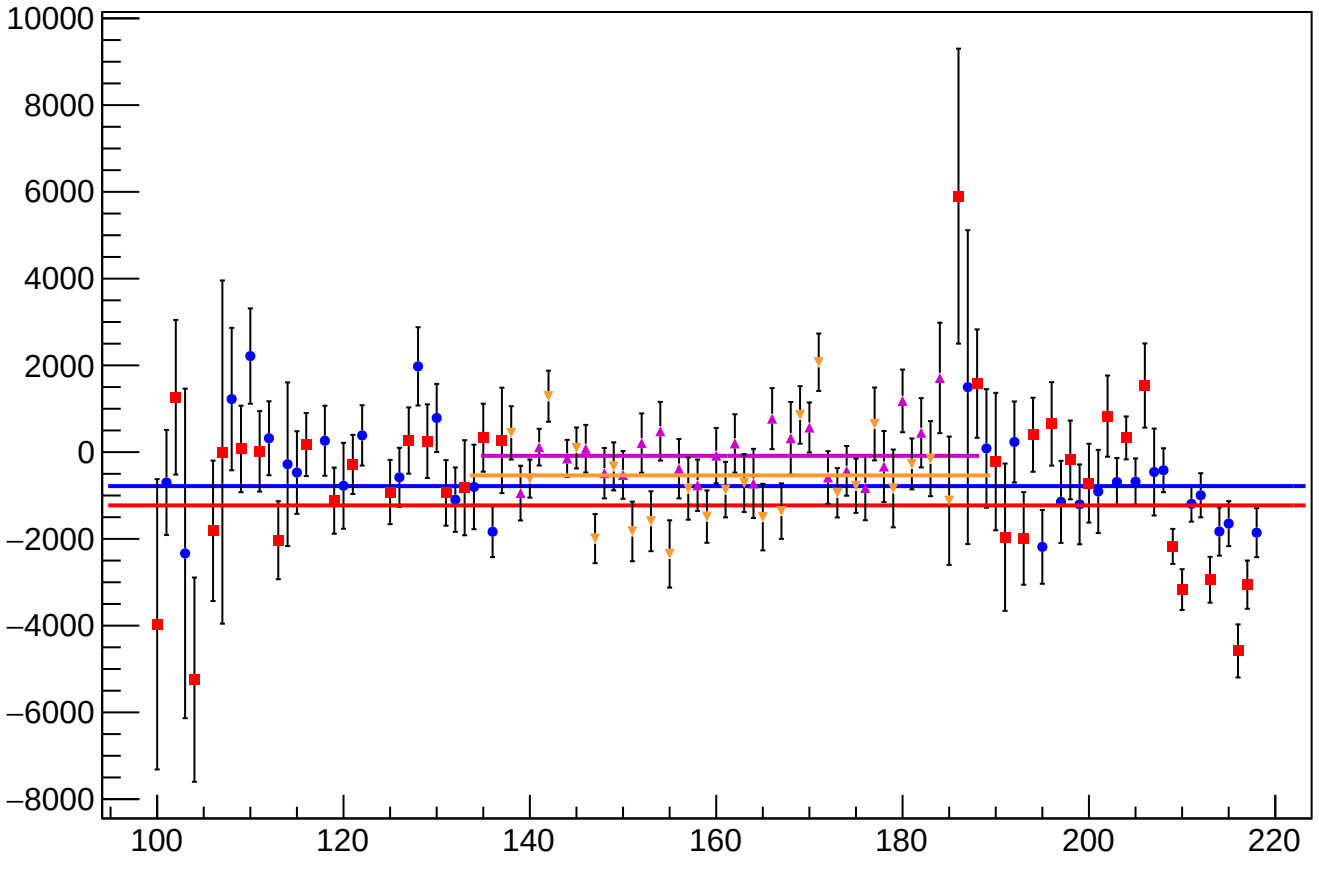
Right Out: 1169.985+/-0.184 χ^2/NDF: 572702.4/34

Left In: 1120.308+/-0.185 χ^2/NDF:9479.7/22

+ sign 1136.678+/-0.129 χ^2/NDF: 390721.9/55

All: 1140.956+/-0.092 χ^2/NDF: 1011391.7/11

- sign 1145.301+/-0.130 χ^2/NDF: 618465.9/57



Right In: -783.520+/-131.058 χ^2/NDF: 49.2/31

Left Out: -535.930+/-130.646 χ^2/NDF:61.6/23

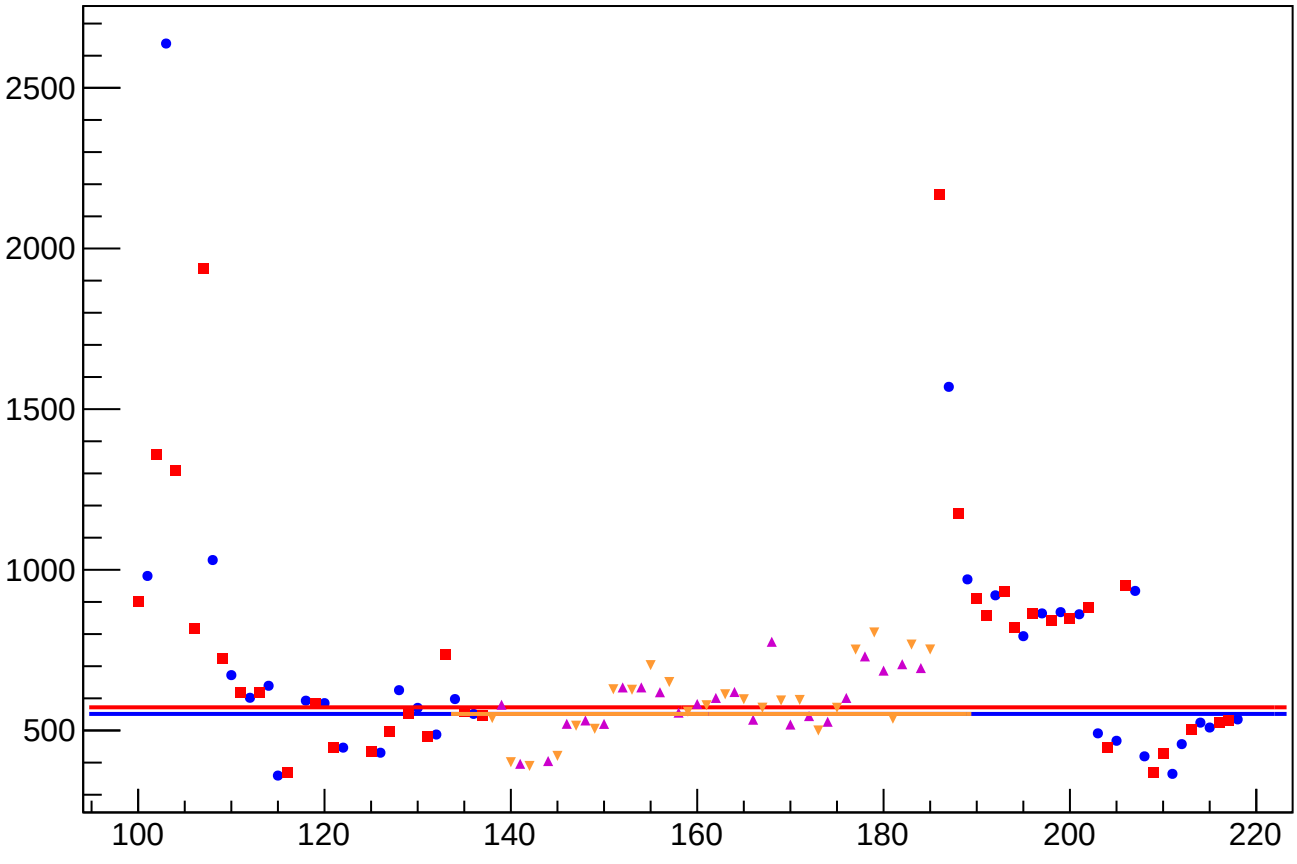
Right Out: -1228.068+/-136.503 χ^2/NDF: 144.9/34

Left In: -85.243+/-130.966 χ^2/NDF:17.1/22

\+ sign -659.335+/-92.526 χ^2/NDF: 112.5/55

All: -646.448+/-66.114 χ^2/NDF: 311.2/113

\- sign -633.005+/-94.504 χ^2/NDF: 198.6/57



Right In: 551.502+/-0.093 χ^2/NDF: 3777281.4/31

Left Out: 551.439+/-0.092 χ^2/NDF:1226632.2/23

Right Out: 572.080+/-0.097 χ^2/NDF: 4737010.7/34

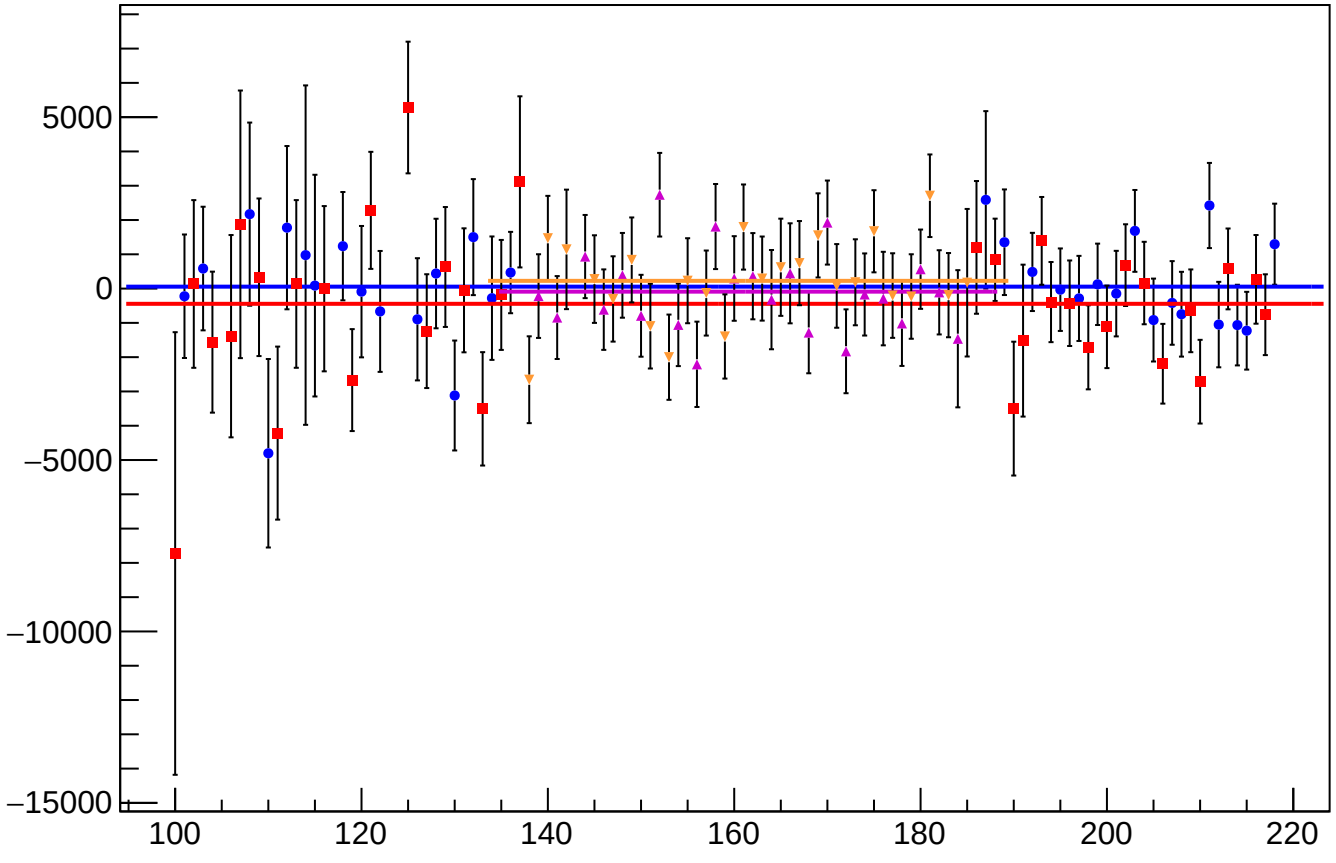
Left In: 551.335+/-0.093 χ^2/NDF:1061731.9/22

+ sign 551.471+/-0.065 χ^2/NDF: 5003913.8/55

All: 556.271+/-0.047 χ^2/NDF: 10837707.4/11

- sign 561.279+/-0.067 χ^2/NDF: 5822794.6/57

dit_asym_usl_atl1_dd_mean vs Slug



Right In: 56.608+/-258.945 χ^2/NDF: 23.0/31

Left Out: 225.663+/-259.829 χ^2/NDF:22.2/23

Right Out: -444.114+/-261.962 χ^2/NDF: 40.4/34

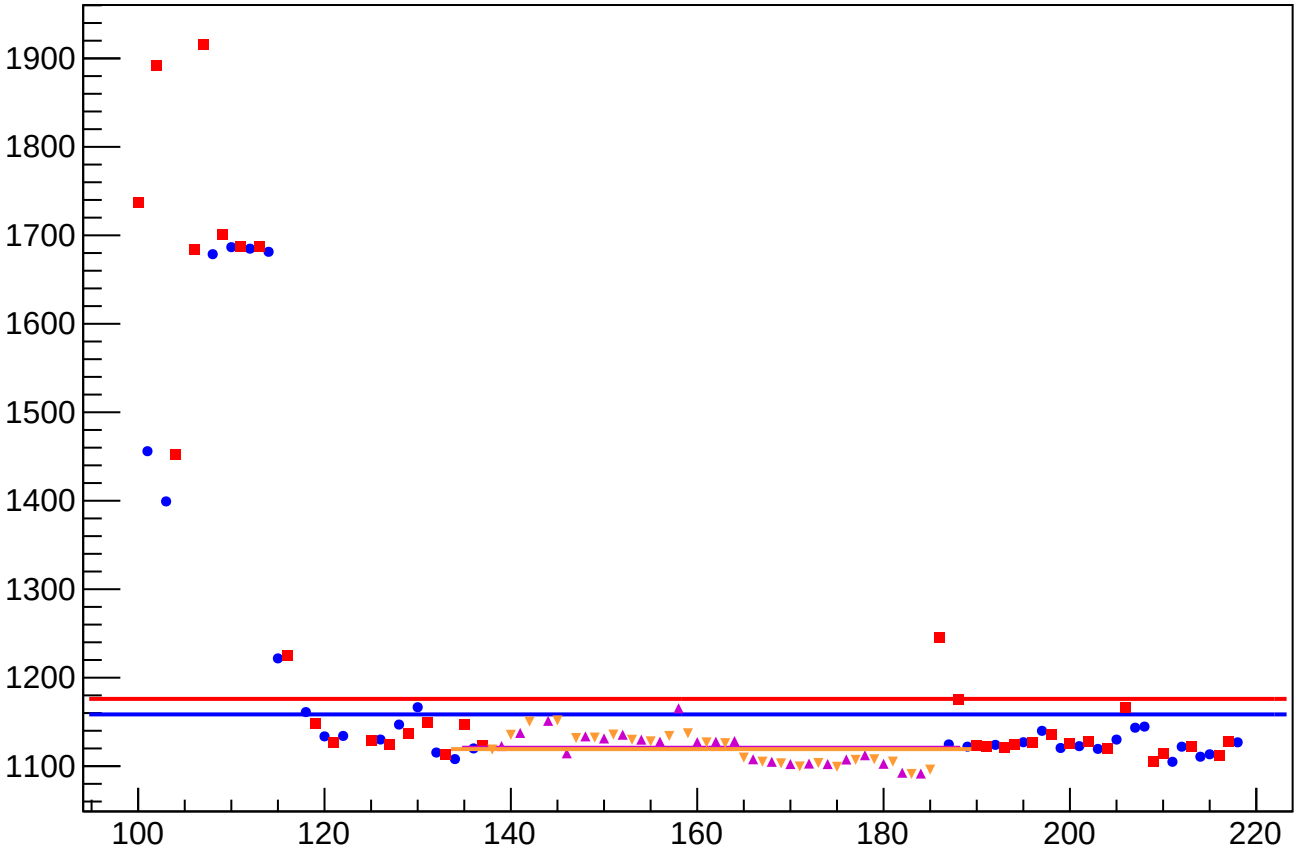
Left In: -89.078+/-261.717 χ^2/NDF:20.6/22

+ sign 140.847+/-183.414 χ^2/NDF: 45.4/55

All: -60.875+/-130.302 χ^2/NDF: 109.7/113

- sign -266.430+/-185.148 χ^2/NDF: 61.9/57

dit_asym_usl_atl1_dd_rms vs Slug



Right In: 1158.488+/-0.183 χ^2/NDF: 393098.9/31

Left Out: 1119.258+/-0.184 χ^2/NDF:8143.3/23

Right Out: 1176.024+/-0.185 χ^2/NDF: 694213.7/34

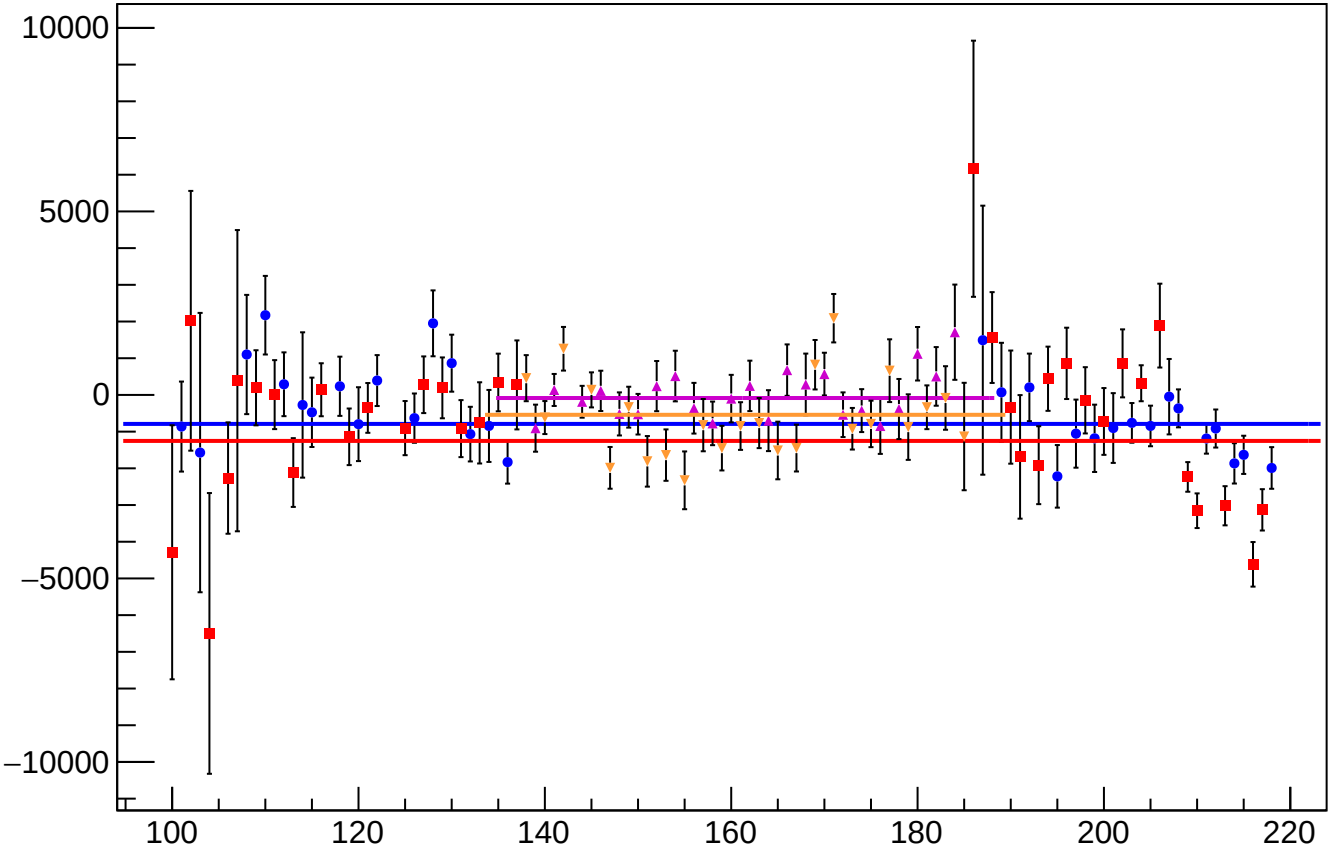
Left In: 1120.800+/-0.185 χ^2/NDF:9426.5/22

+ sign 1138.940+/-0.130 χ^2/NDF: 424115.9/55

All: 1143.619+/-0.092 χ^2/NDF: 1174865.1/11

- sign 1148.386+/-0.131 χ^2/NDF: 748121.6/57

asym_usl_atl1_dd_dit_correction_mean vs Slug



Right In: -789.830+/-131.429 χ^2/NDF: 50.7/31

Left Out: -541.592+/-132.012 χ^2/NDF:60.9/23

Right Out: -1253.155+/-137.662 χ^2/NDF: 146.3/34

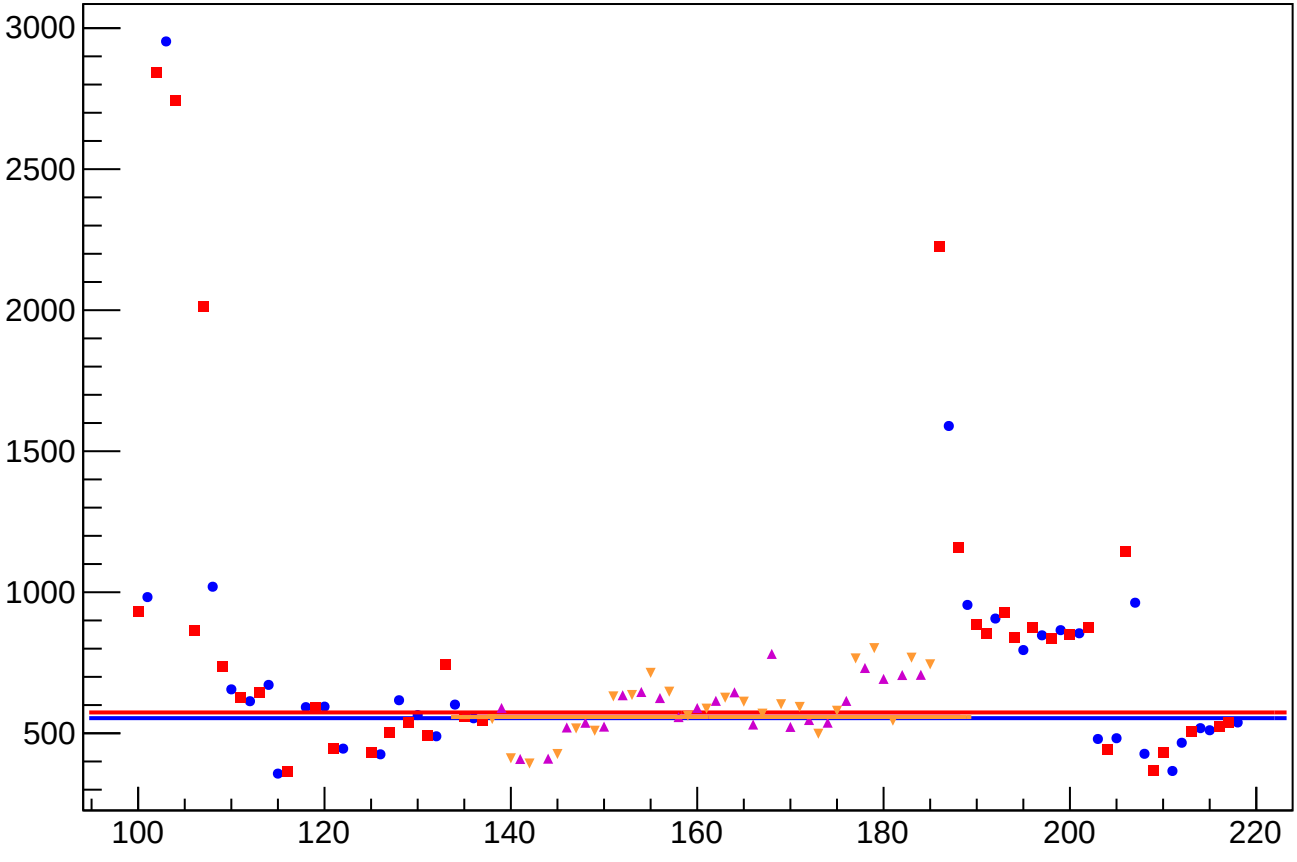
Left In: -84.122+/-132.548 χ^2/NDF:16.4/22

+ sign -666.260+/-93.140 χ^2/NDF: 113.3/55

All: -656.637+/-66.673 χ^2/NDF: 313.5/113

- sign -646.523+/-95.482 χ^2/NDF: 200.1/57

asym_usl_atl1_dd_dit_correction_rms vs Slug



Right In: 553.567+/-0.093 χ^2/NDF: 3909833.8/31

Left Out: 557.592+/-0.093 χ^2/NDF:1193270.2/23

Right Out: 573.834+/-0.097 χ^2/NDF: 5869559.7/34

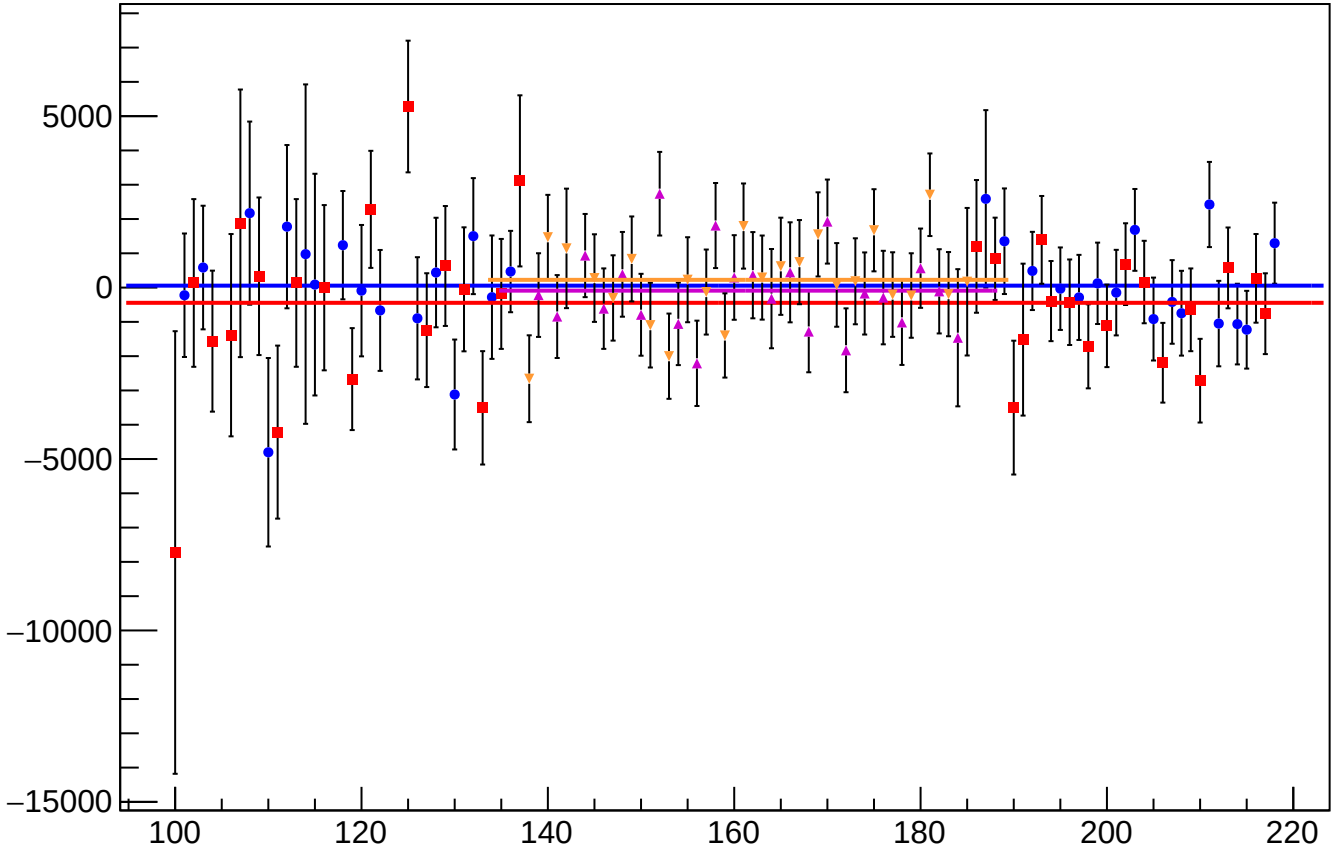
Left In: 558.393+/-0.094 χ^2/NDF:1027814.4/22

+ sign 555.570+/-0.066 χ^2/NDF: 5104037.5/55

All: 560.569+/-0.047 χ^2/NDF: 12026281.9/11

- sign 565.822+/-0.068 χ^2/NDF: 6910431.8/57

eigen_dit_asym_usl_atl1_dd_mean vs Slug



Right In: 56.610+/-258.945 χ^2/NDF: 23.0/31

Left Out: 225.661+/-259.829 χ^2/NDF:22.2/23

Right Out: -444.113+/-261.962 χ^2/NDF: 40.4/34

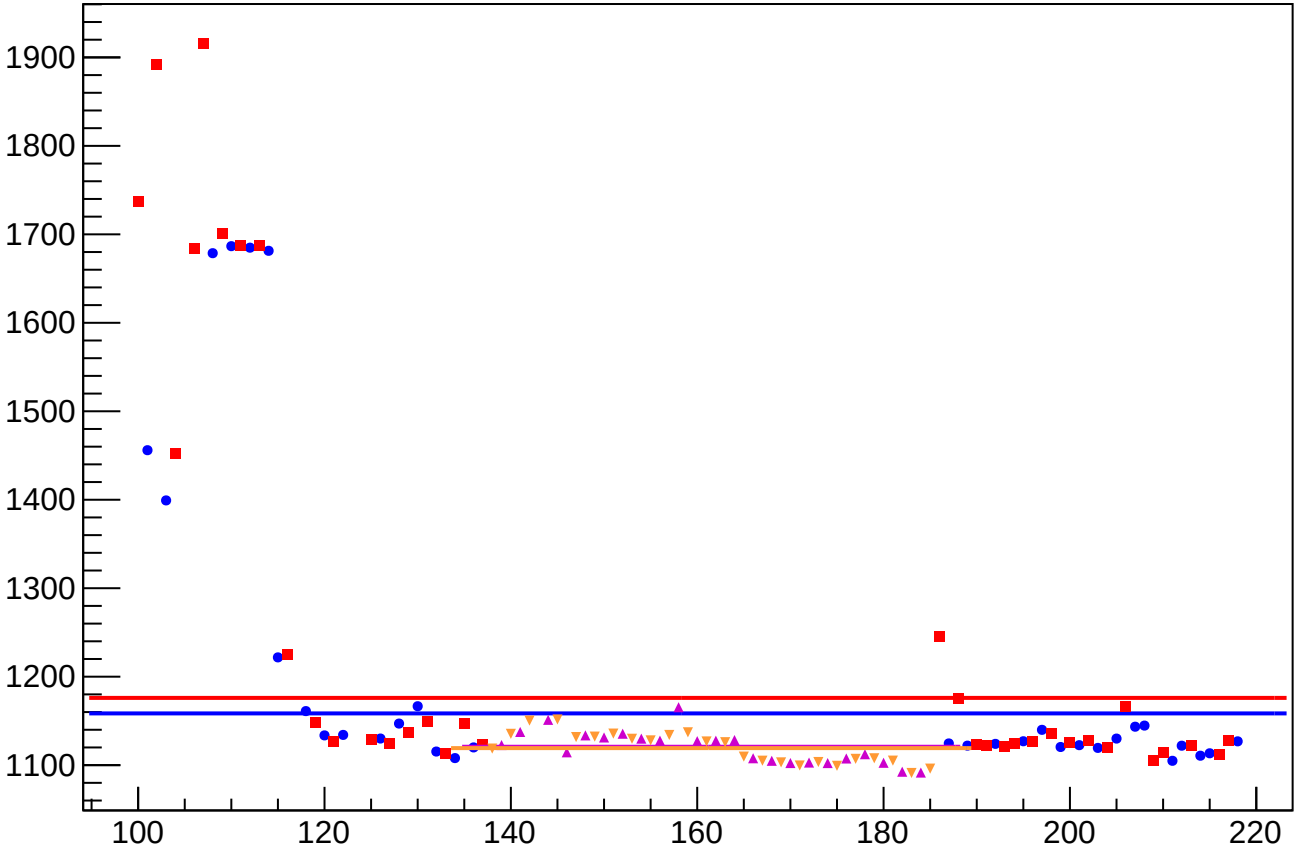
Left In: -89.079+/-261.717 χ^2/NDF:20.6/22

+ sign 140.847+/-183.414 χ^2/NDF: 45.4/55

All: -60.874+/-130.302 χ^2/NDF: 109.7/113

- sign -266.430+/-185.148 χ^2/NDF: 61.9/57

eigen_dit_asym_usl_atl1_dd_rms vs Slug



Right In: 1158.488+/-0.183 χ^2/NDF: 393098.4/31

Left Out: 1119.258+/-0.184 χ^2/NDF:8143.3/23

Right Out: 1176.024+/-0.185 χ^2/NDF: 694213.0/34

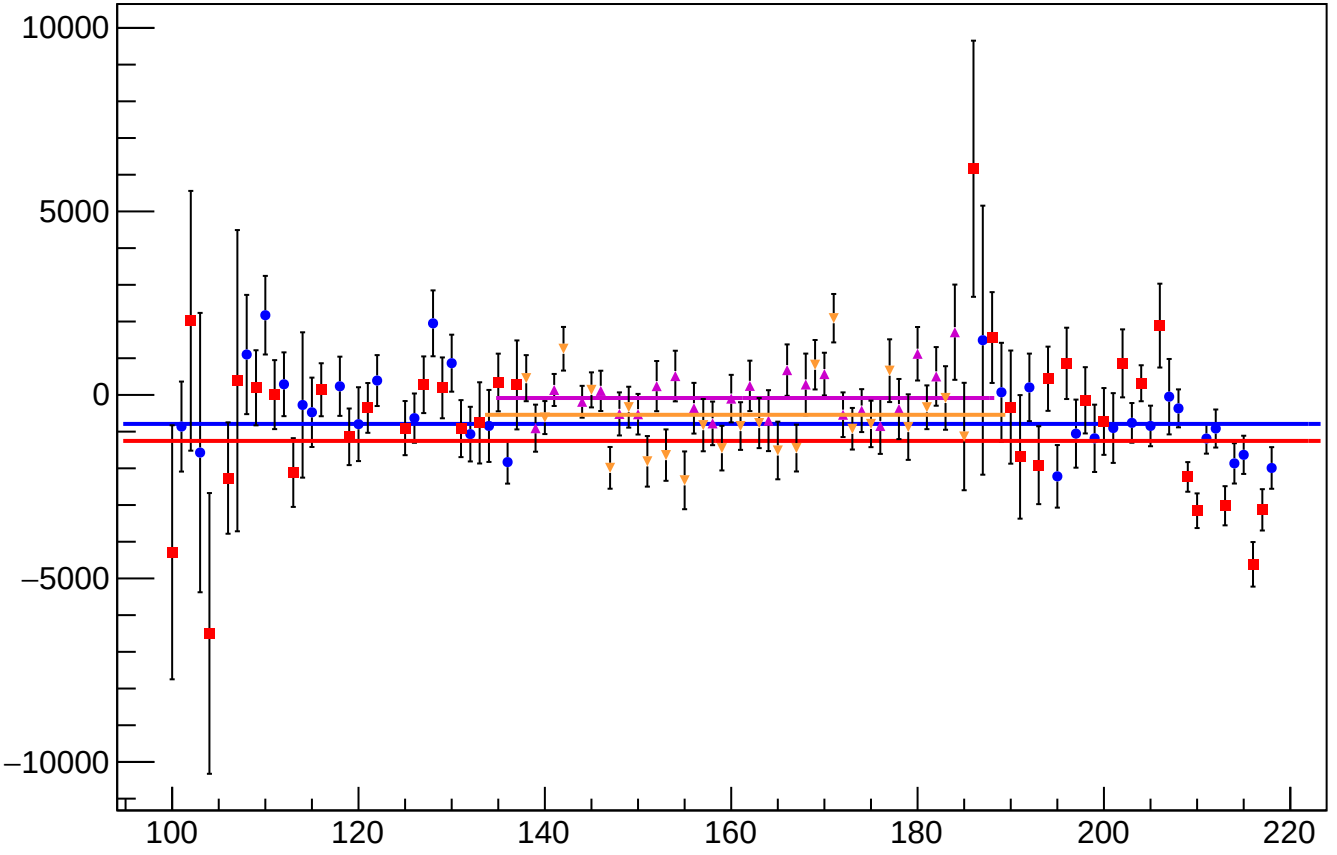
Left In: 1120.800+/-0.185 χ^2/NDF:9426.5/22

+ sign 1138.940+/-0.130 χ^2/NDF: 424115.3/55

All: 1143.619+/-0.092 χ^2/NDF: 1174863.9/11

- sign 1148.386+/-0.131 χ^2/NDF: 748120.9/57

asym_usl_atl1_dd_eigen_dit_correction_mean vs Slug



Right In: -789.829+/-131.429 χ^2/NDF: 50.7/31

Left Out: -541.591+/-132.012 χ^2/NDF:60.9/23

Right Out: -1253.156+/-137.662 χ^2/NDF: 146.3/34

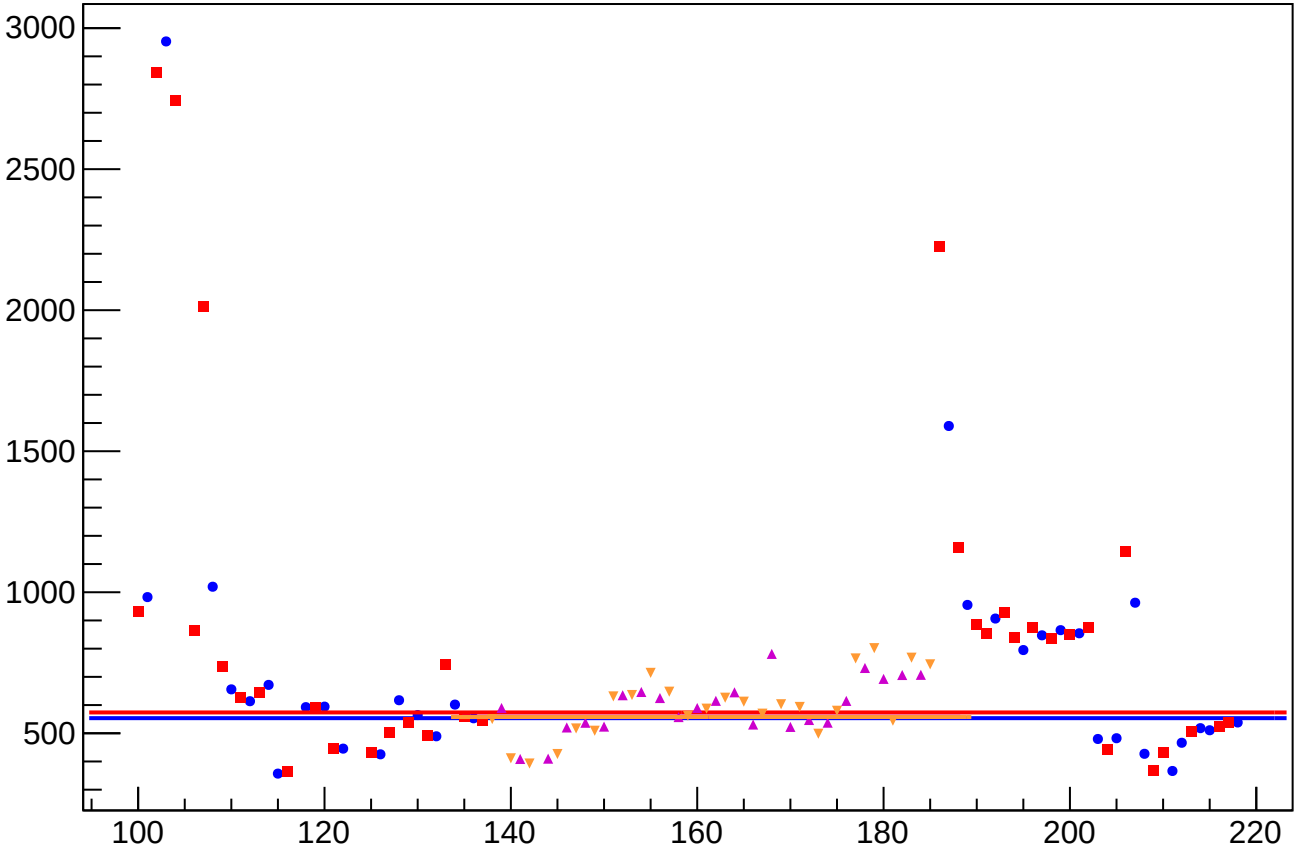
Left In: -84.122+/-132.548 χ^2/NDF:16.4/22

+ sign -666.259+/-93.140 χ^2/NDF: 113.3/55

All: -656.636+/-66.672 χ^2/NDF: 313.5/113

- sign -646.524+/-95.482 χ^2/NDF: 200.1/57

asym_usl_atl1_dd_eigen_dit_correction_rms vs Slug



Right In: 553.567+/-0.093 χ^2/NDF: 3909836.6/31

Left Out: 557.591+/-0.093 χ^2/NDF:1193291.2/23

Right Out: 573.834+/-0.097 χ^2/NDF: 5869568.1/34

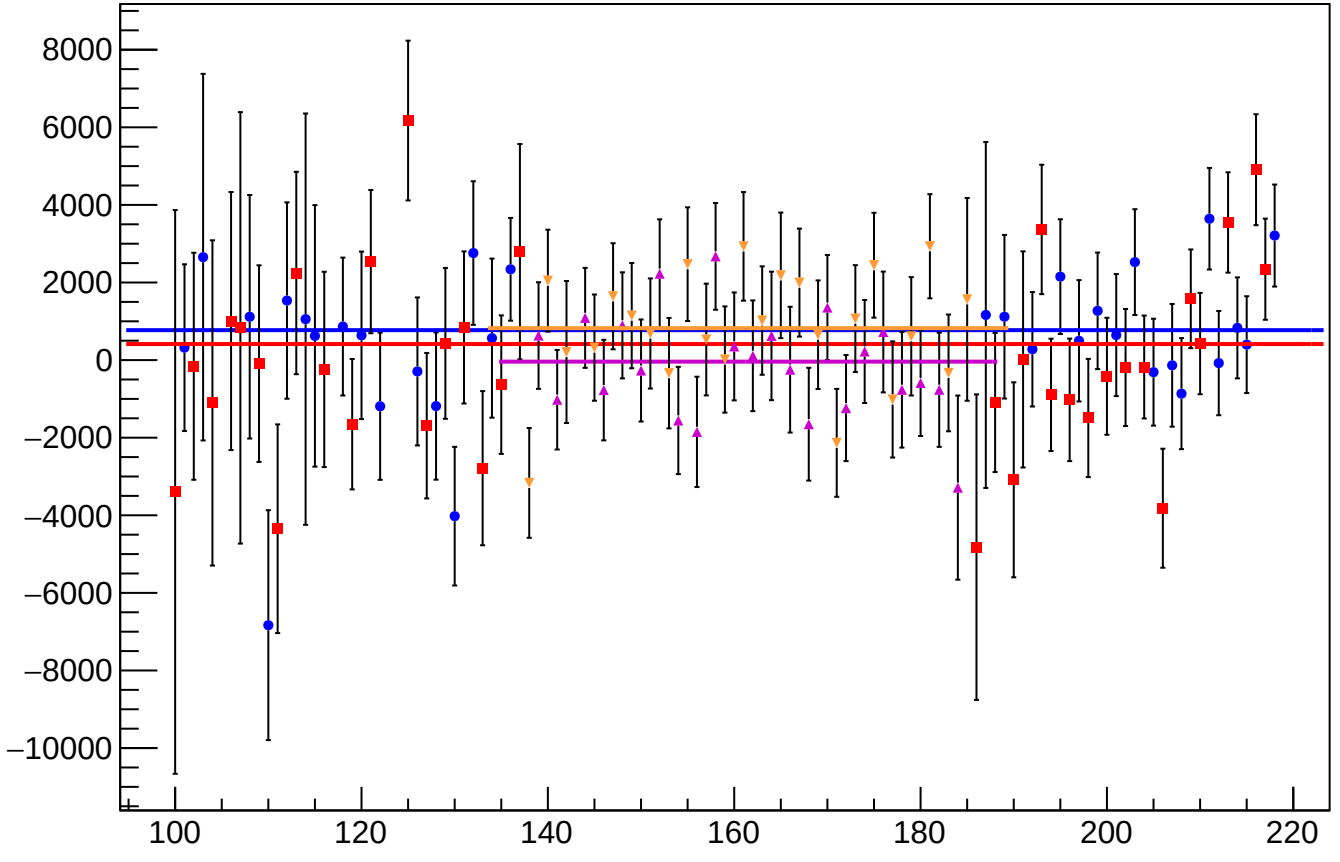
Left In: 558.392+/-0.094 χ^2/NDF:1027828.9/22

+ sign 555.570+/-0.066 χ^2/NDF: 5104061.3/55

All: 560.568+/-0.047 χ^2/NDF: 12026329.2/11

- sign 565.821+/-0.068 χ^2/NDF: 6910455.1/57

asym_usl_atl1_dd_mean vs Slug



Right In: 771.848+/-303.125 χ^2/NDF: 32.9/31

Left Out: 823.319+/-294.835 χ^2/NDF:26.2/23

Right Out: 414.223+/-310.258 χ^2/NDF: 57.7/34

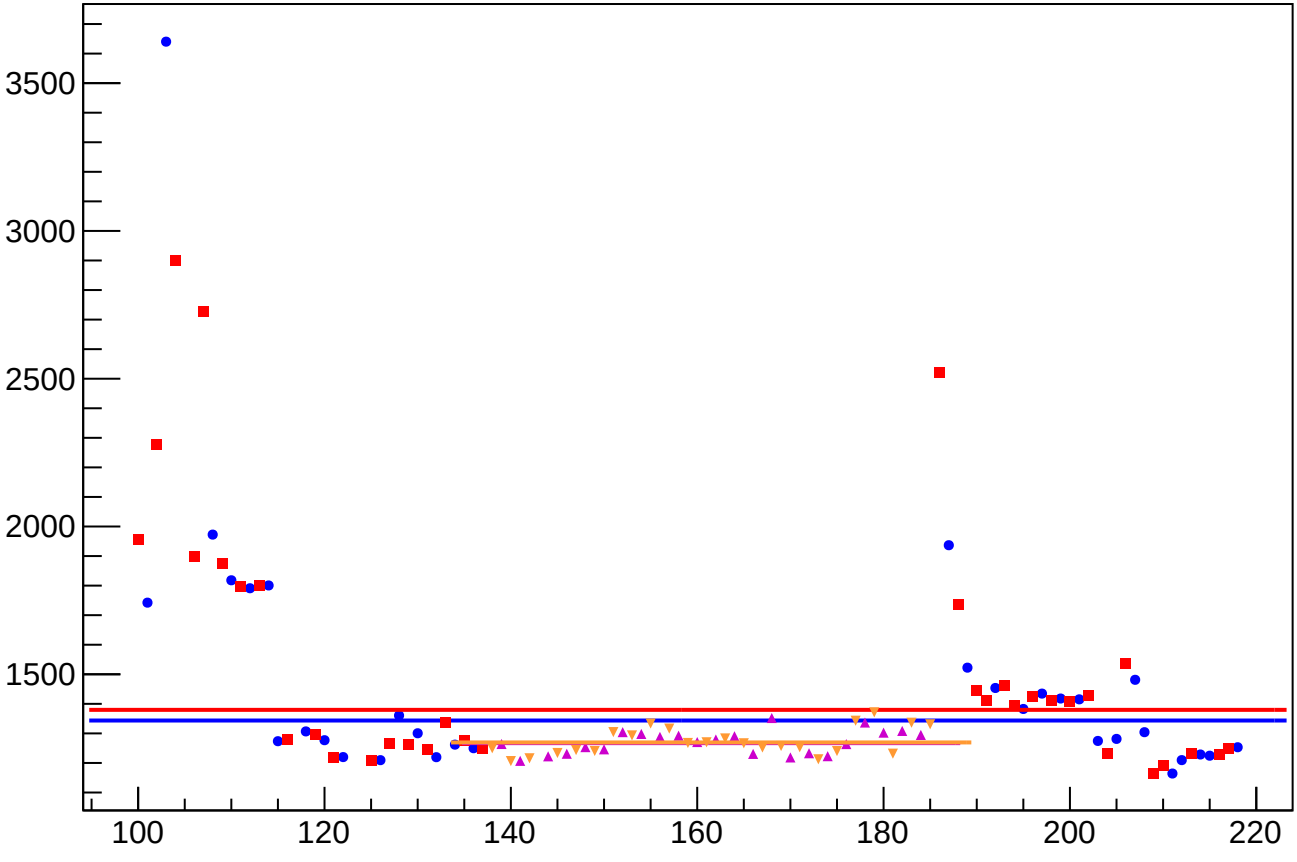
Left In: -39.696+/-296.006 χ^2/NDF:17.9/22

+ sign 798.297+/-211.350 χ^2/NDF: 59.1/55

All: 491.566+/-150.434 χ^2/NDF: 140.1/113

- sign 176.599+/-214.169 χ^2/NDF: 76.7/57

asym_usl_atl1_dd_rms vs Slug



Right In: 1343.590+/-0.214 χ^2/NDF: 1000781.0/31

Left Out: 1269.441+/-0.208 χ^2/NDF:43040.3/23

Right Out: 1379.662+/-0.219 χ^2/NDF: 1350805.2/34

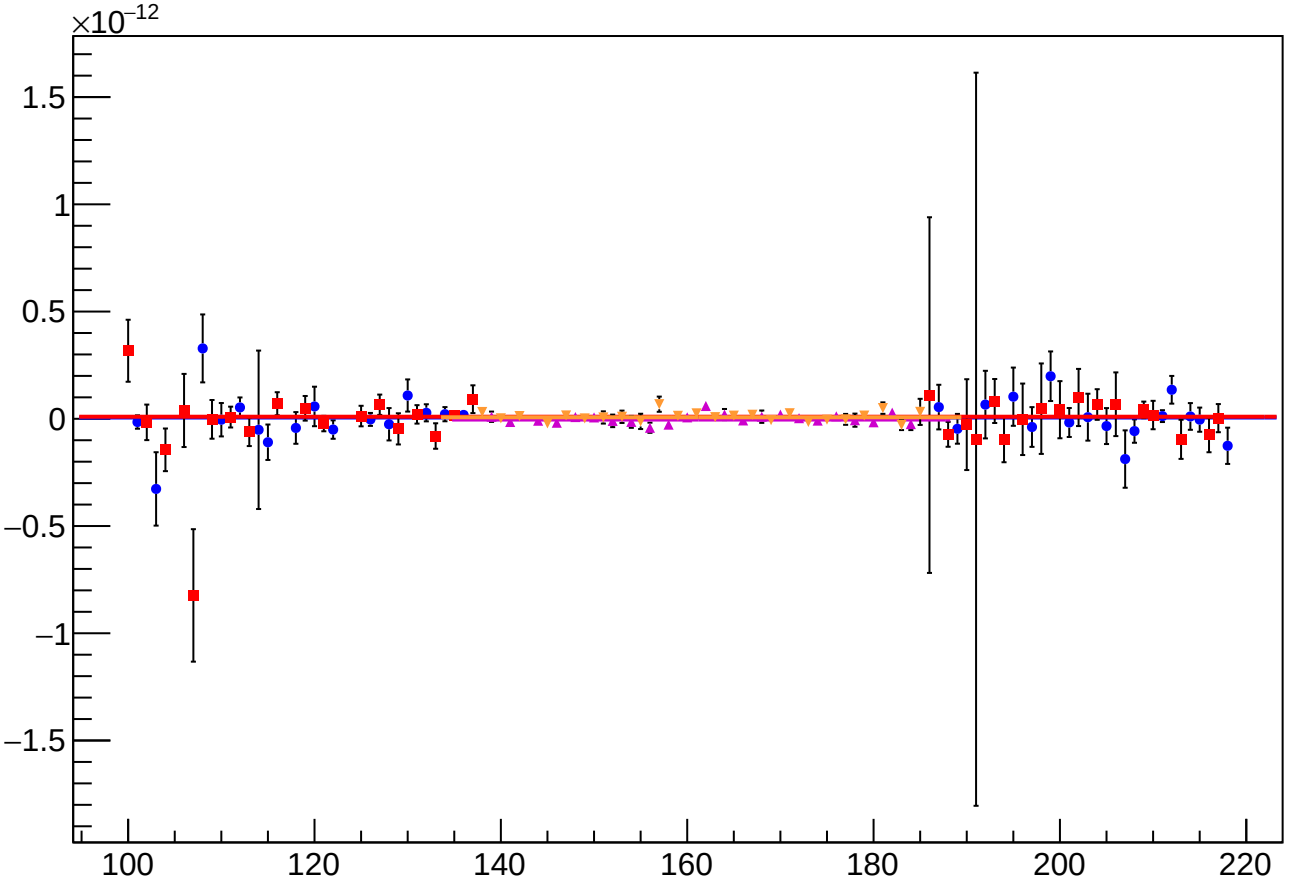
Left In: 1267.066+/-0.209 χ^2/NDF:34547.0/22

+ sign 1305.487+/-0.149 χ^2/NDF: 1105317.4/55

All: 1313.002+/-0.106 χ^2/NDF: 2633689.0/11

- sign 1320.719+/-0.151 χ^2/NDF: 1523246.9/57

asym_usl_atl1_dd_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 31.7/31

Left Out: 0.000+/-0.000 χ^2/NDF:19.8/23

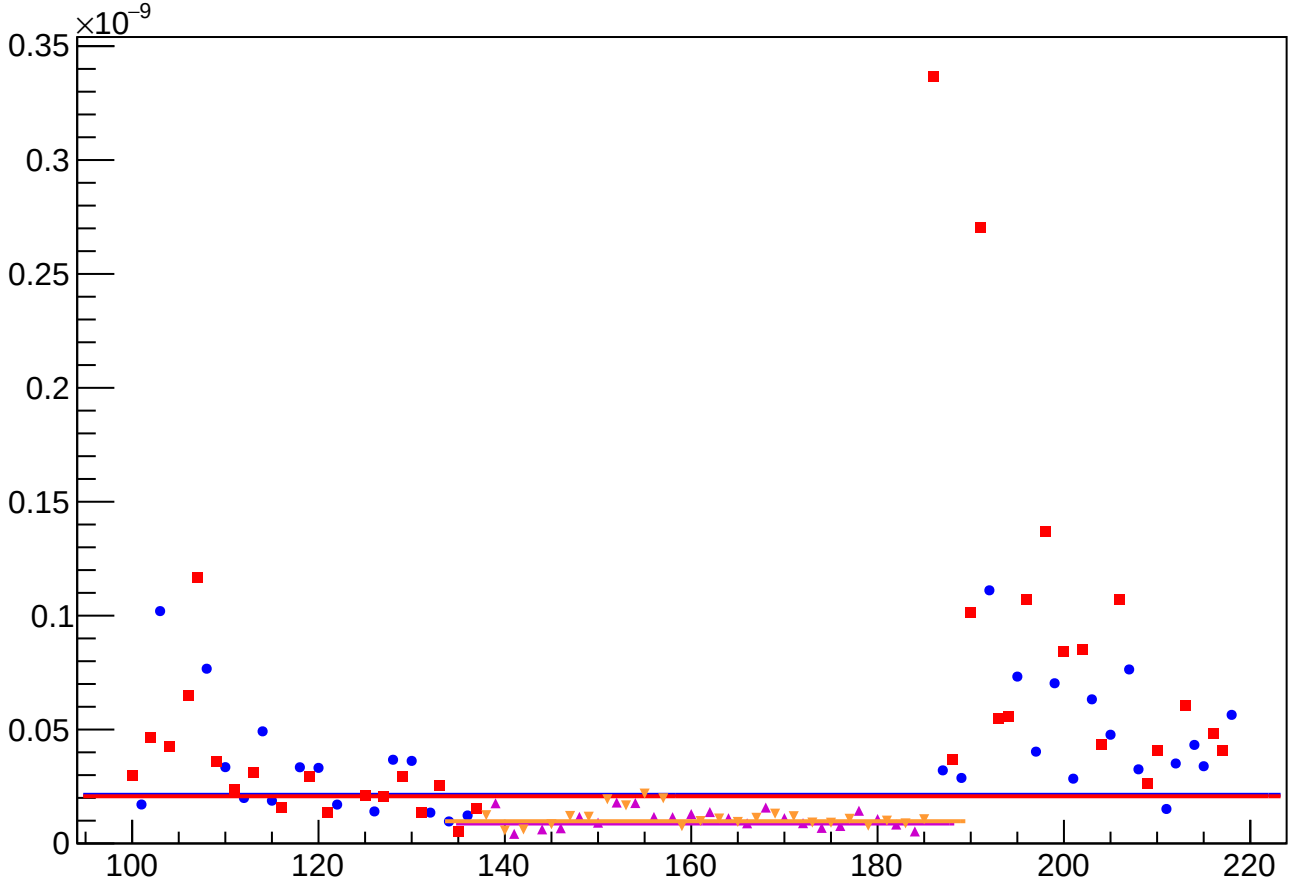
Right Out: 0.000+/-0.000 χ^2/NDF: 32.1/34

Left In: -0.000+/-0.000 χ^2/NDF:23.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 51.4/55

All: 0.000+/-0.000 χ^2/NDF: 111.2/113

- sign -0.000+/-0.000 χ^2/NDF: 56.8/57



Right In: 0.000+/-0.000 χ^2/NDF: 5200154.8/31

Left Out: 0.000+/-0.000 χ^2/NDF:1373738.7/23

Right Out: 0.000+/-0.000 χ^2/NDF: 8172014.0/34

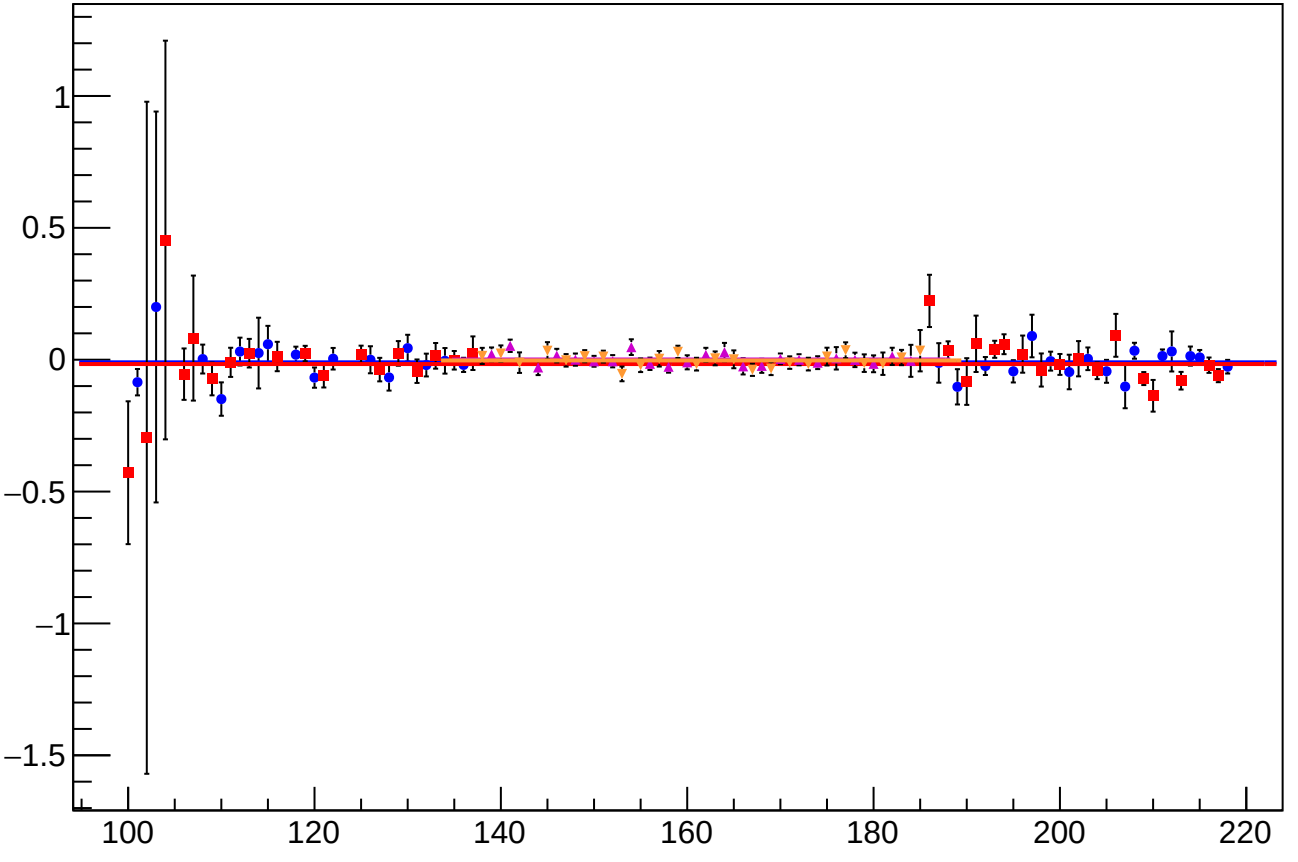
Left In: 0.000+/-0.000 χ^2/NDF:1928867.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 9318272.0/55

All: 0.000+/-0.000 χ^2/NDF: 22328271.4/113

- sign 0.000+/-0.000 χ^2/NDF: 12881721.0/57

asym_usl_atl1_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.010+/-0.007 χ^2/NDF: 26.0/31

Left Out: -0.003+/-0.006 χ^2/NDF:16.3/23

Right Out: -0.016+/-0.008 χ^2/NDF: 45.5/34

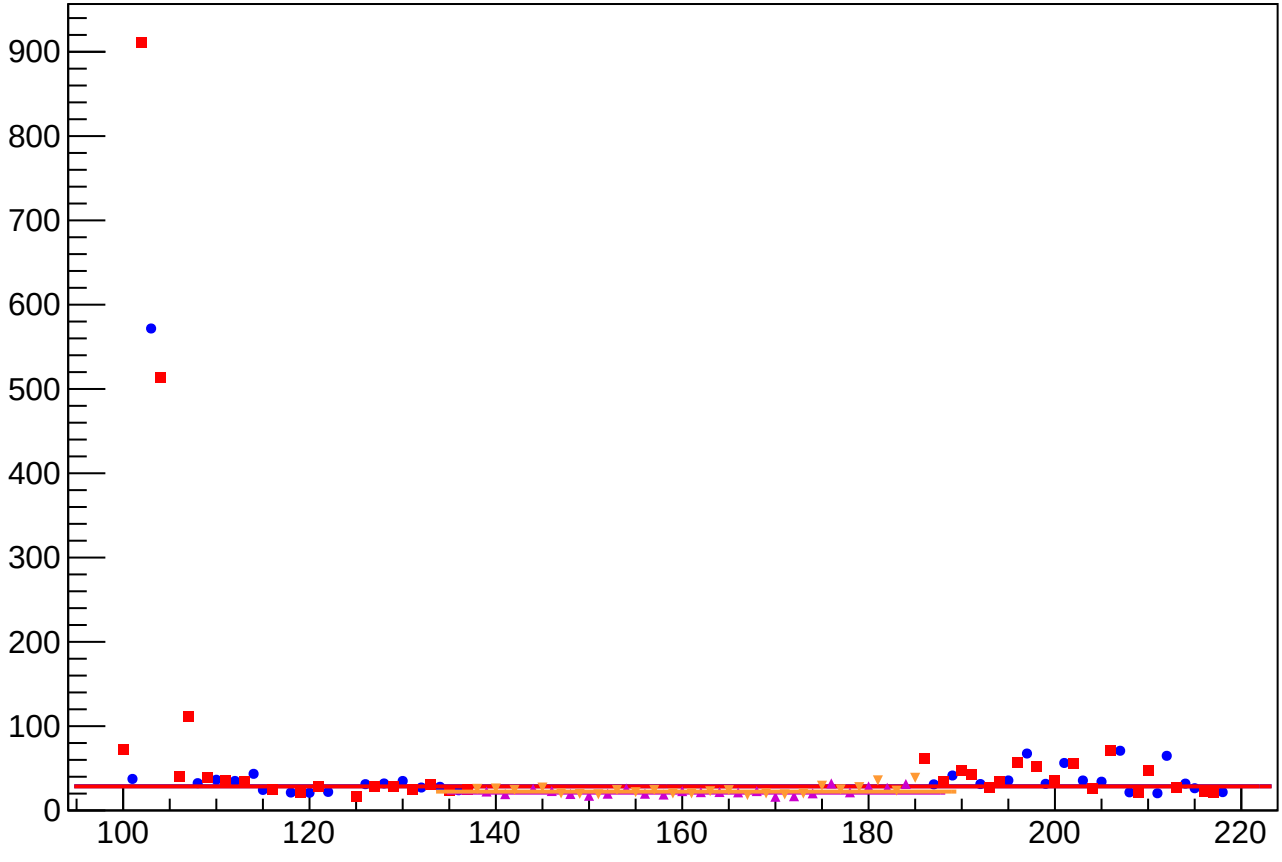
Left In: 0.001+/-0.005 χ^2/NDF:14.9/22

+ sign -0.005+/-0.005 χ^2/NDF: 43.0/55

All: -0.005+/-0.003 χ^2/NDF: 106.9/113

- sign -0.005+/-0.004 χ^2/NDF: 63.9/57

asym_usl_atl1_dd_dit_vs_cor_diff_rms vs Slug



Right In: 28.737+/-0.005 χ^2/NDF: 4133353.6/31

Left Out: 22.355+/-0.004 χ^2/NDF:816073.4/23

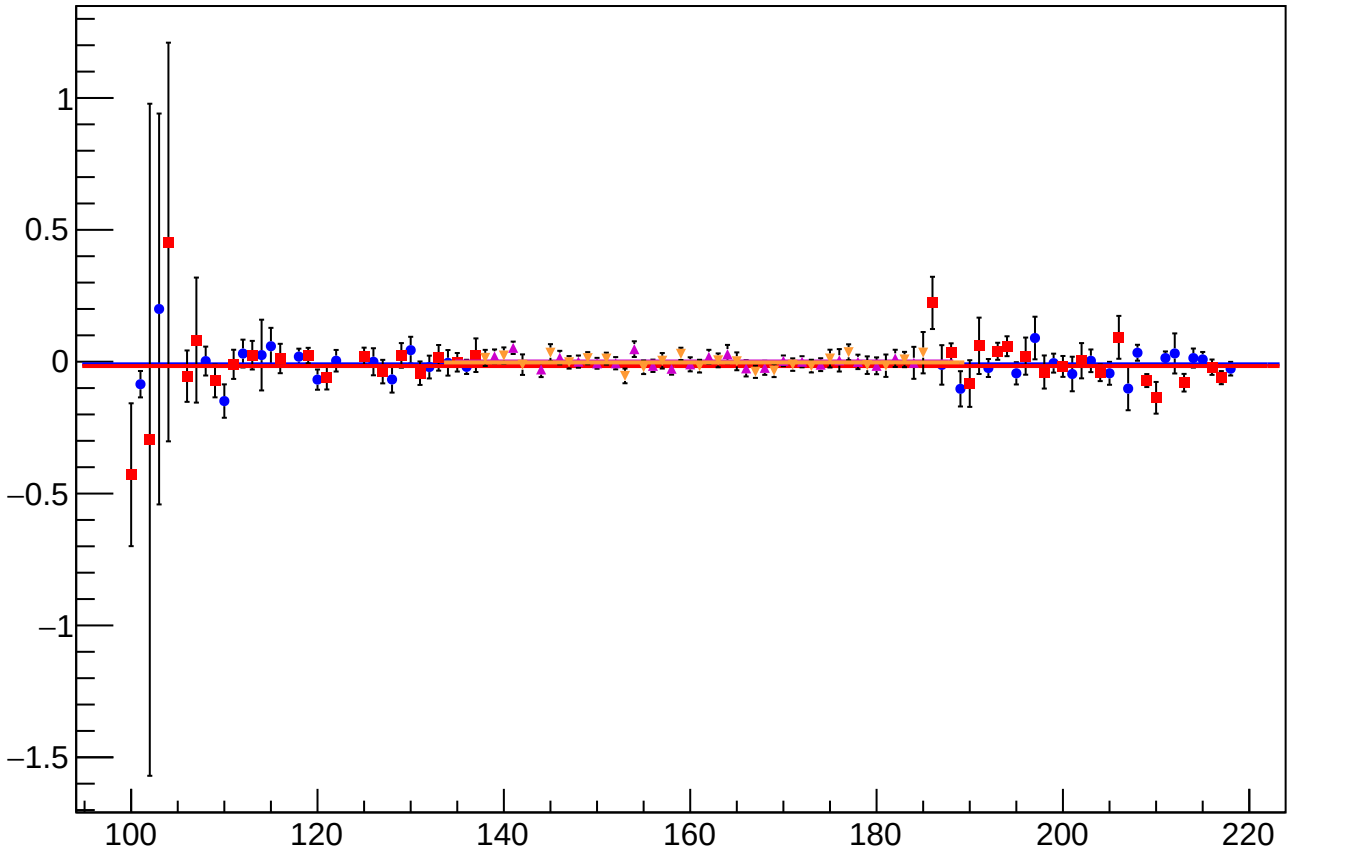
Right Out: 28.515+/-0.005 χ^2/NDF: 5333560.0/34

Left In: 21.099+/-0.004 χ^2/NDF:819255.8/22

+ sign 24.706+/-0.003 χ^2/NDF: 5878023.9/55

All: 24.174+/-0.002 χ^2/NDF: 13359187.7/113

- sign 23.666+/-0.003 χ^2/NDF: 7427045.3/57



Right In: -0.010+/-0.007 χ^2/NDF: 26.0/31

Left Out: -0.003+/-0.006 χ^2/NDF:16.3/23

Right Out: -0.016+/-0.008 χ^2/NDF: 45.5/34

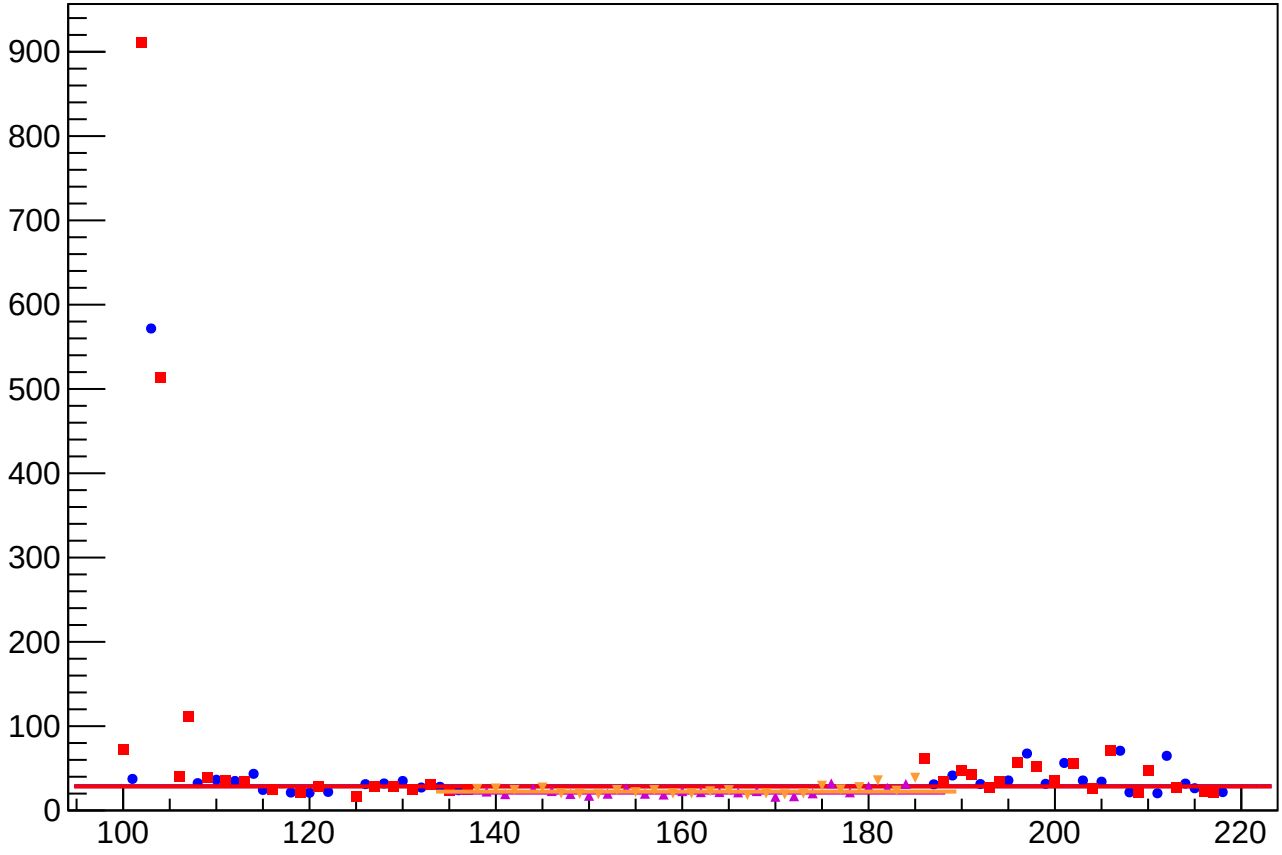
Left In: 0.001+/-0.005 χ^2/NDF:14.9/22

+ sign -0.005+/-0.005 χ^2/NDF: 43.0/55

All: -0.005+/-0.003 χ^2/NDF: 106.9/113

- sign -0.005+/-0.004 χ^2/NDF: 63.9/57

asym_usl_atl1_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 28.737+/-0.005 χ^2/NDF: 4133353.6/31

Left Out: 22.355+/-0.004 χ^2/NDF:816073.4/23

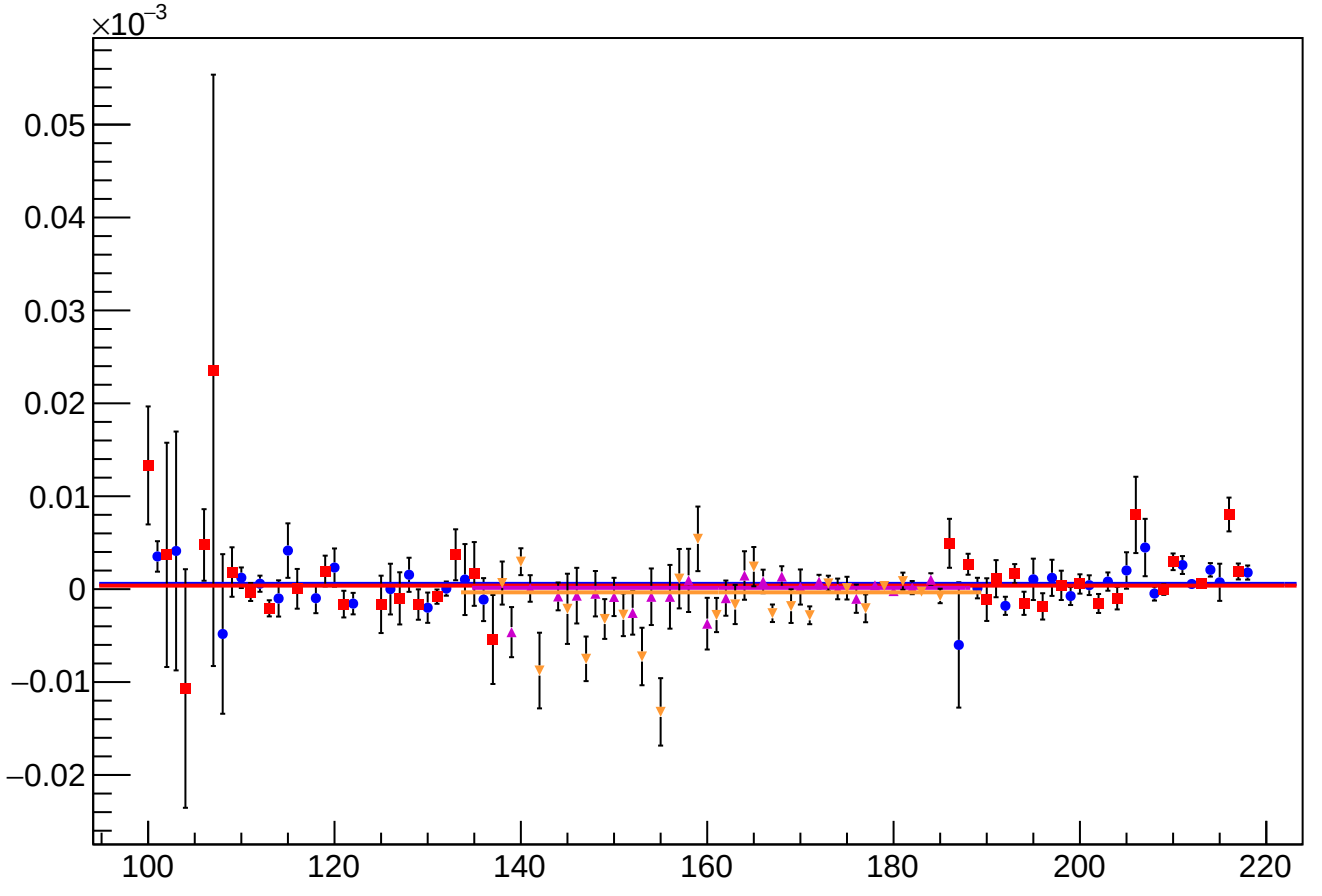
Right Out: 28.515+/-0.005 χ^2/NDF: 5333560.0/34

Left In: 21.099+/-0.004 χ^2/NDF:819255.8/22

+ sign 24.706+/-0.003 χ^2/NDF: 5878023.9/55

All: 24.174+/-0.002 χ^2/NDF: 13359187.7/113

- sign 23.666+/-0.003 χ^2/NDF: 7427045.3/57



Right In: 0.000+/-0.000 χ^2/NDF: 39.5/31

Left Out: -0.000+/-0.000 χ^2/NDF:68.1/23

Right Out: 0.000+/-0.000 χ^2/NDF: 78.2/34

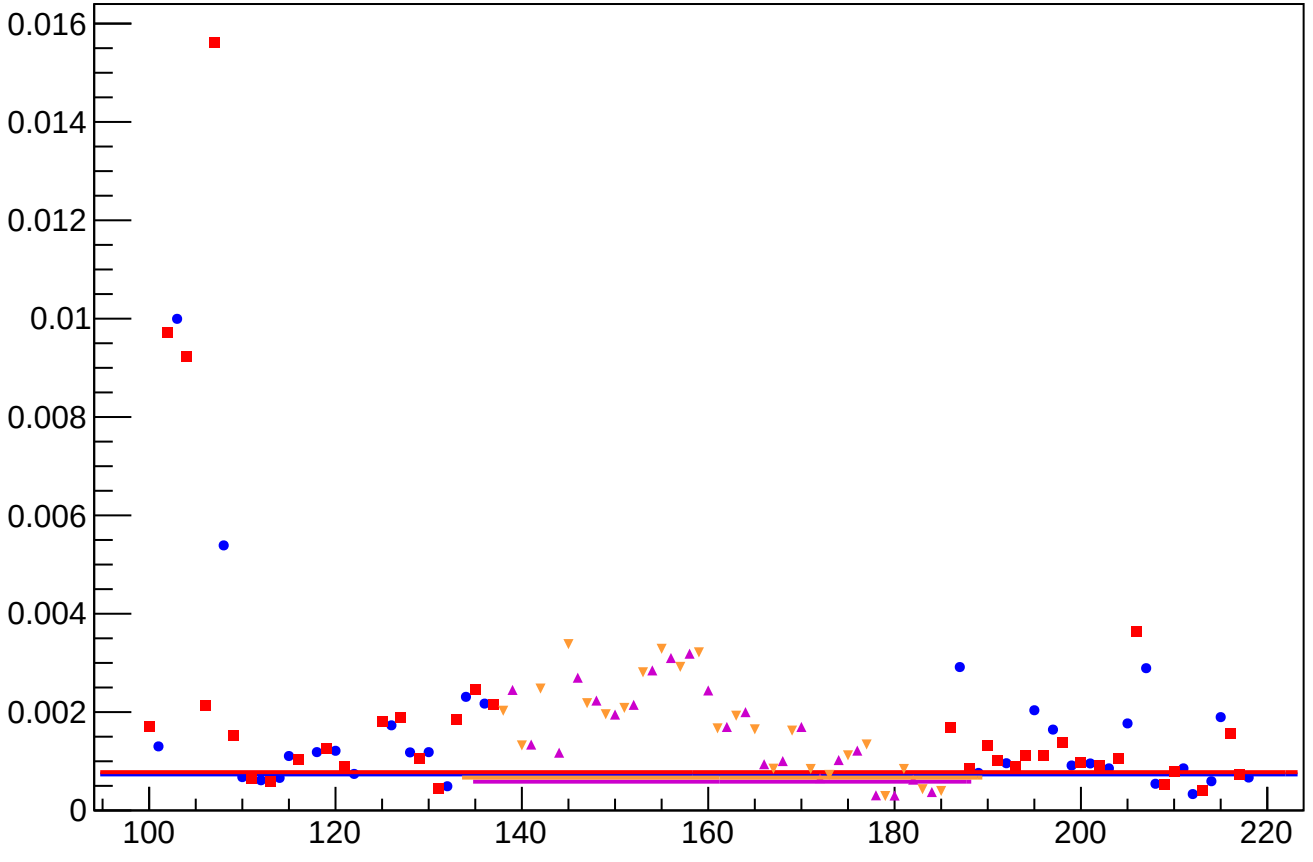
Left In: 0.000+/-0.000 χ^2/NDF:14.2/22

\+ sign 0.000+/-0.000 χ^2/NDF: 117.7/55

All: 0.000+/-0.000 χ^2/NDF: 211.3/113

\- sign 0.000+/-0.000 χ^2/NDF: 93.2/57

asym_usl_atl1_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 10075095.6/31

Left Out: 0.001+/-0.000 χ^2/NDF:15375915.0/23

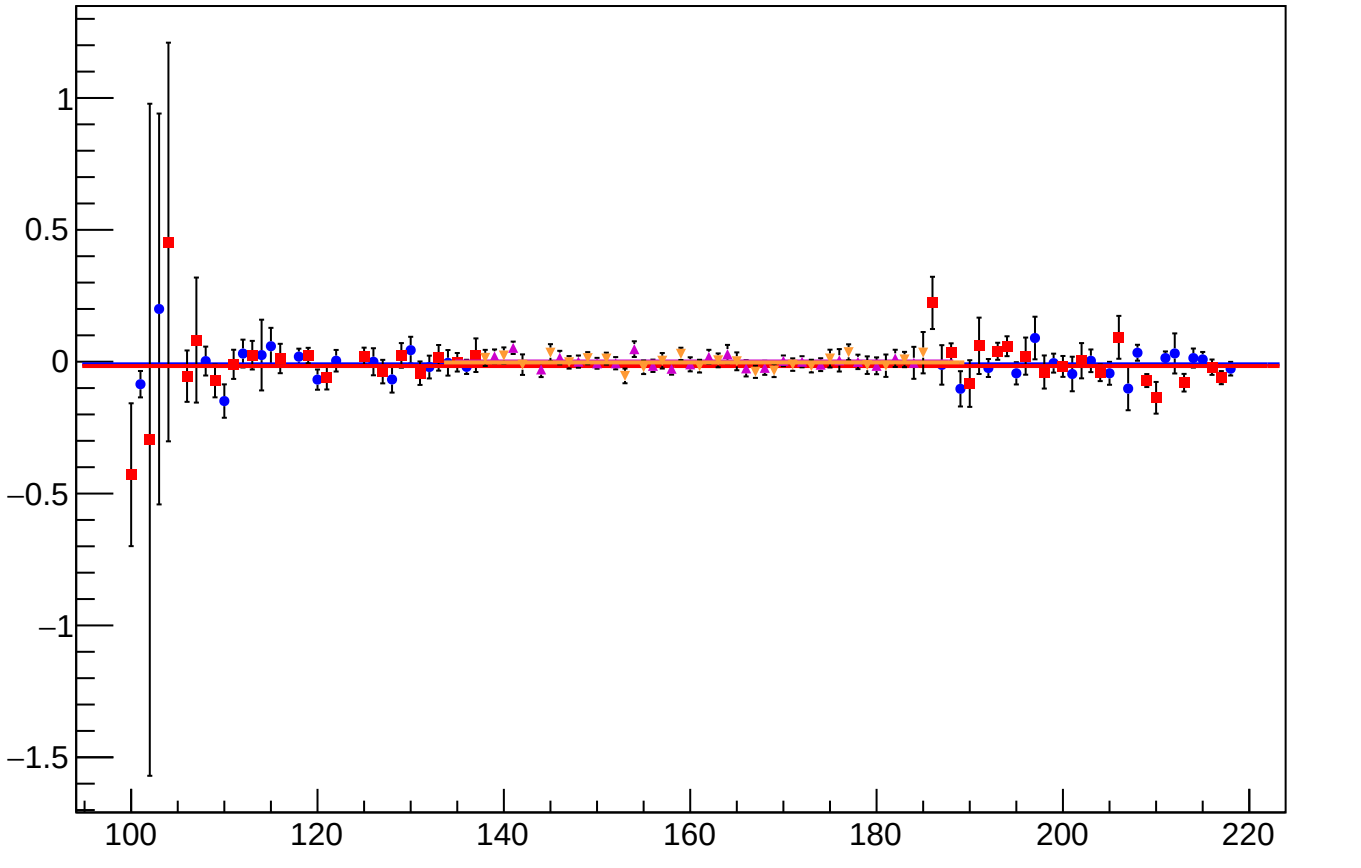
Right Out: 0.001+/-0.000 χ^2/NDF: 9189087.7/34

Left In: 0.001+/-0.000 χ^2/NDF:15658683.6/22

+ sign 0.001+/-0.000 χ^2/NDF: 25554383.1/55

All: 0.001+/-0.000 χ^2/NDF: 51391670.6/113

- sign 0.001+/-0.000 χ^2/NDF: 25791625.8/57



Right In: -0.010+/-0.007 χ^2/NDF: 26.0/31

Left Out: -0.003+/-0.006 χ^2/NDF:16.3/23

Right Out: -0.016+/-0.008 χ^2/NDF: 45.5/34

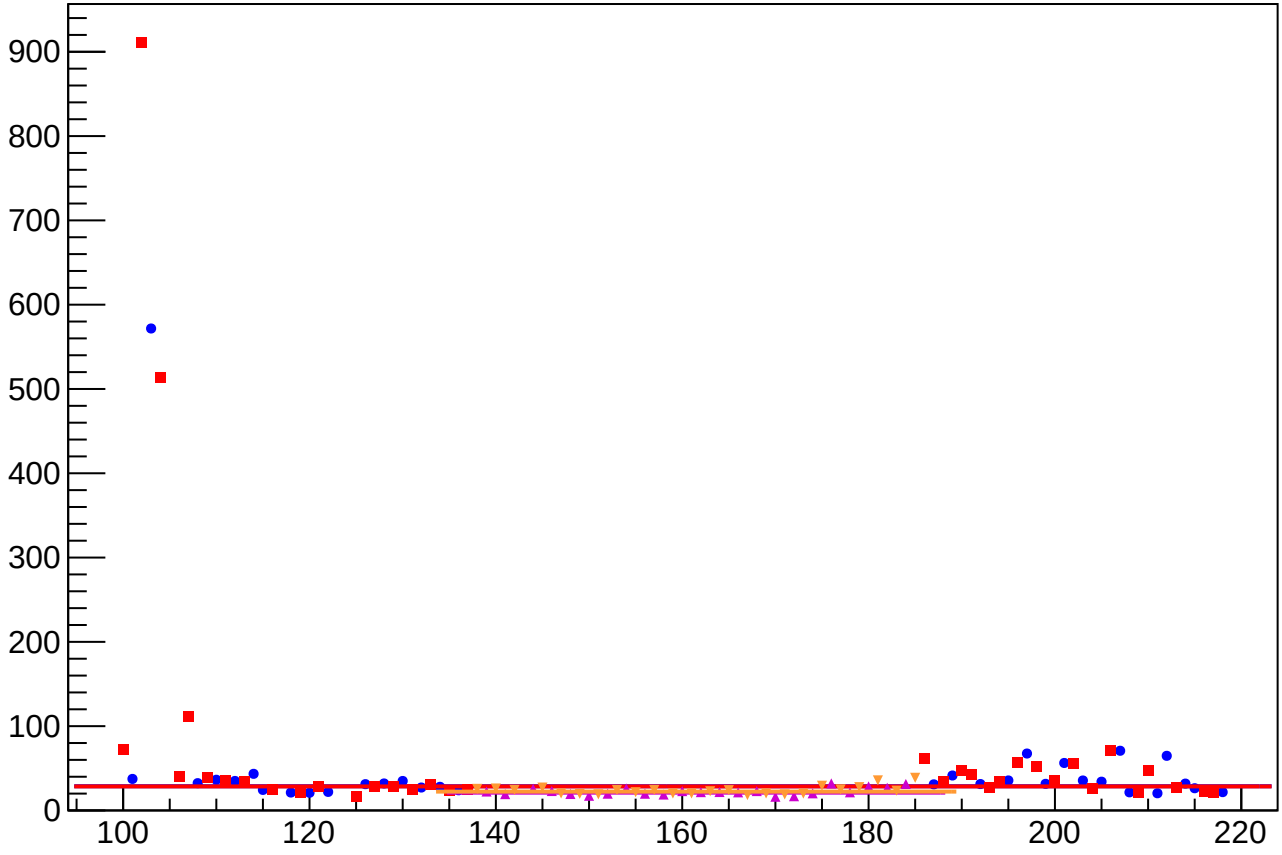
Left In: 0.001+/-0.005 χ^2/NDF:14.9/22

+ sign -0.005+/-0.005 χ^2/NDF: 43.0/55

All: -0.005+/-0.003 χ^2/NDF: 106.9/113

- sign -0.005+/-0.004 χ^2/NDF: 63.9/57

asym_usl_atl1_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 28.737+/-0.005 χ^2/NDF: 4133395.4/31

Left Out: 22.355+/-0.004 χ^2/NDF:816044.6/23

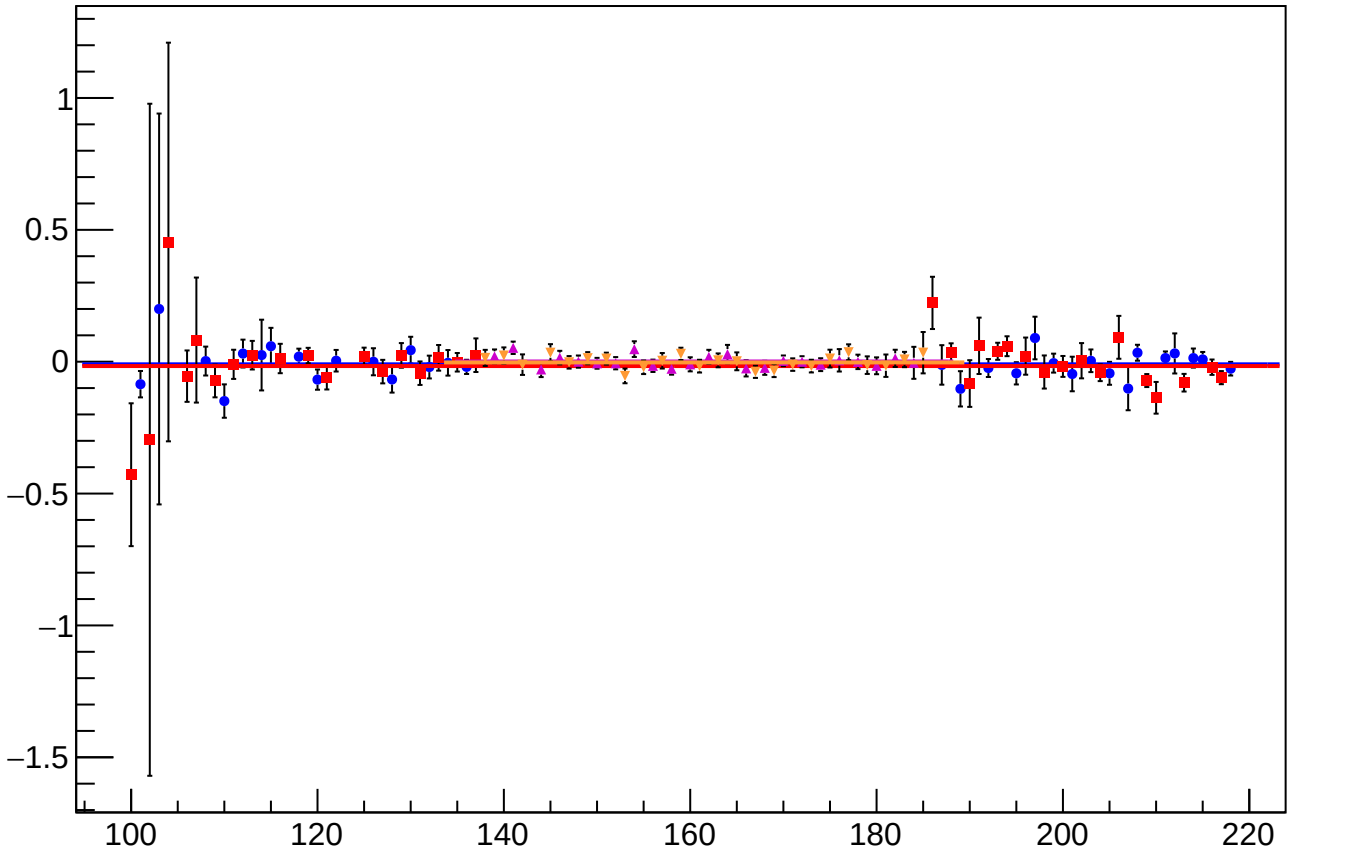
Right Out: 28.515+/-0.005 χ^2/NDF: 5333650.6/34

Left In: 21.099+/-0.004 χ^2/NDF:819268.9/22

+ sign 24.706+/-0.003 χ^2/NDF: 5878069.7/55

All: 24.174+/-0.002 χ^2/NDF: 13359336.6/113

- sign 23.666+/-0.003 χ^2/NDF: 7427147.1/57



Right In: -0.010+/-0.007 χ^2/NDF: 26.0/31

Left Out: -0.003+/-0.006 χ^2/NDF:16.3/23

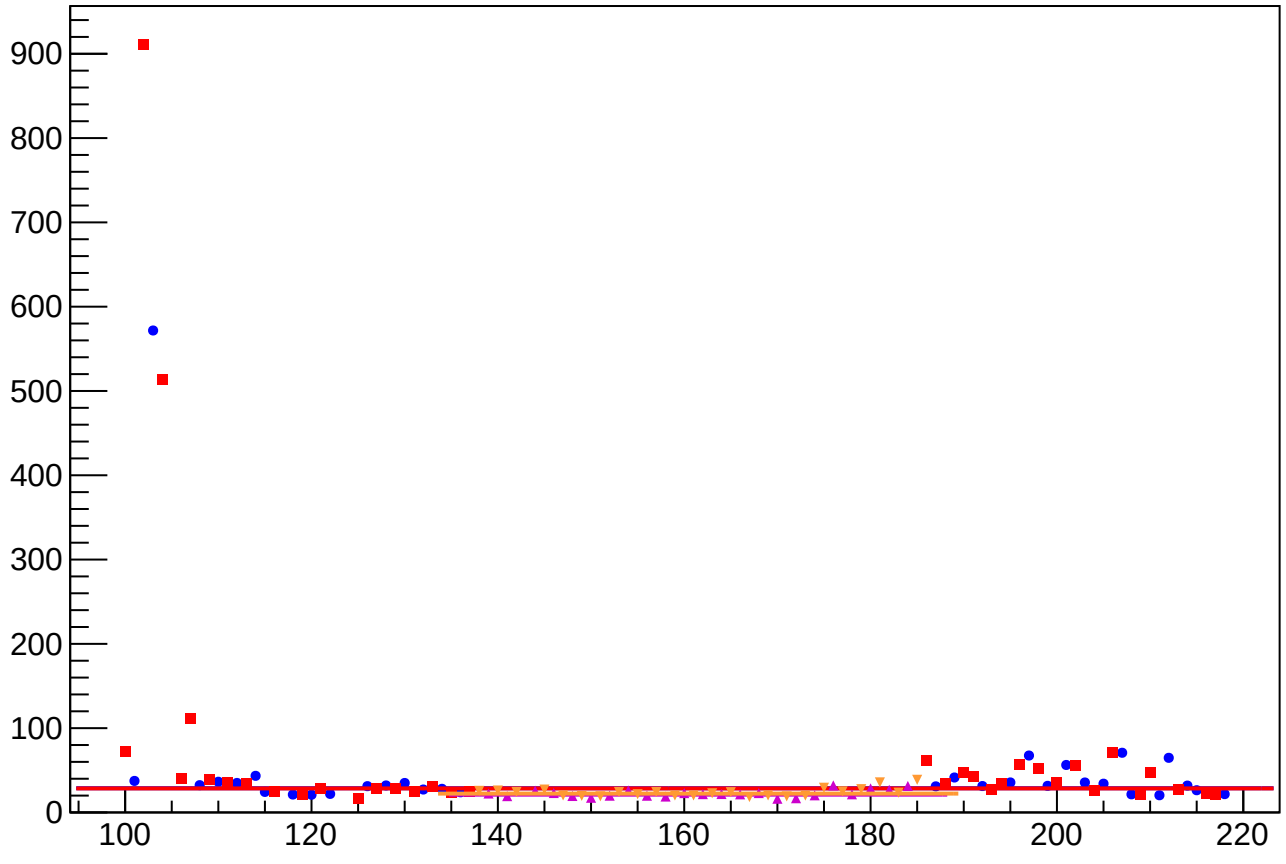
Right Out: -0.016+/-0.008 χ^2/NDF: 45.5/34

Left In: 0.001+/-0.005 χ^2/NDF:14.9/22

+ sign -0.005+/-0.005 χ^2/NDF: 43.0/55

All: -0.005+/-0.003 χ^2/NDF: 106.9/113

- sign -0.005+/-0.004 χ^2/NDF: 63.9/57



Right In: 28.737+/-0.005 χ^2/NDF: 4133395.4/31

Left Out: 22.355+/-0.004 χ^2/NDF:816044.6/23

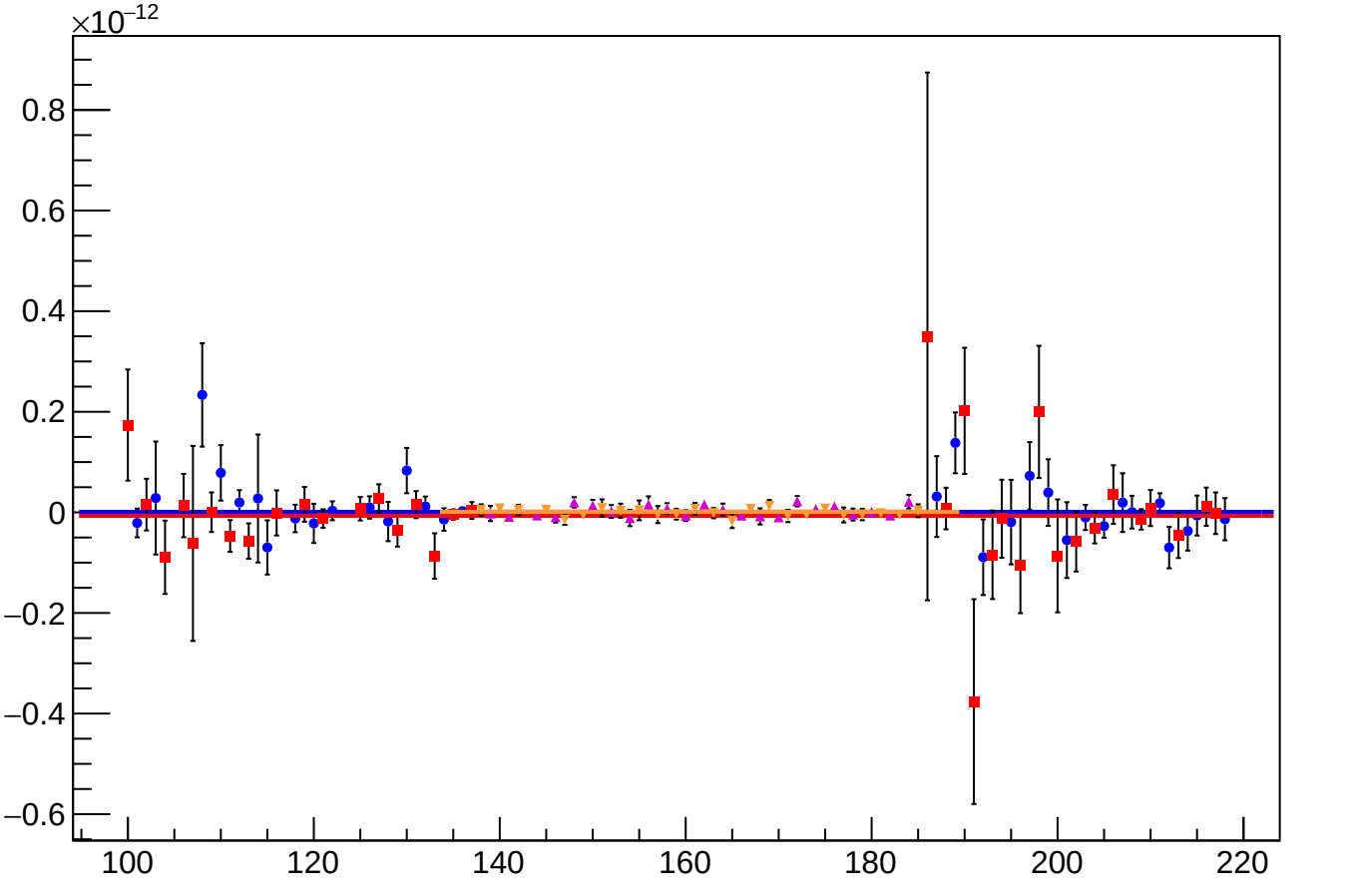
Right Out: 28.515+/-0.005 χ^2/NDF: 5333650.6/34

Left In: 21.099+/-0.004 χ^2/NDF:819268.9/22

+ sign 24.706+/-0.003 χ^2/NDF: 5878069.7/55

All: 24.174+/-0.002 χ^2/NDF: 13359336.6/113

- sign 23.666+/-0.003 χ^2/NDF: 7427147.1/57



Right In: 0.000+/-0.000 χ^2/NDF: 30.7/31

Left Out: 0.000+/-0.000 χ^2/NDF:11.6/23

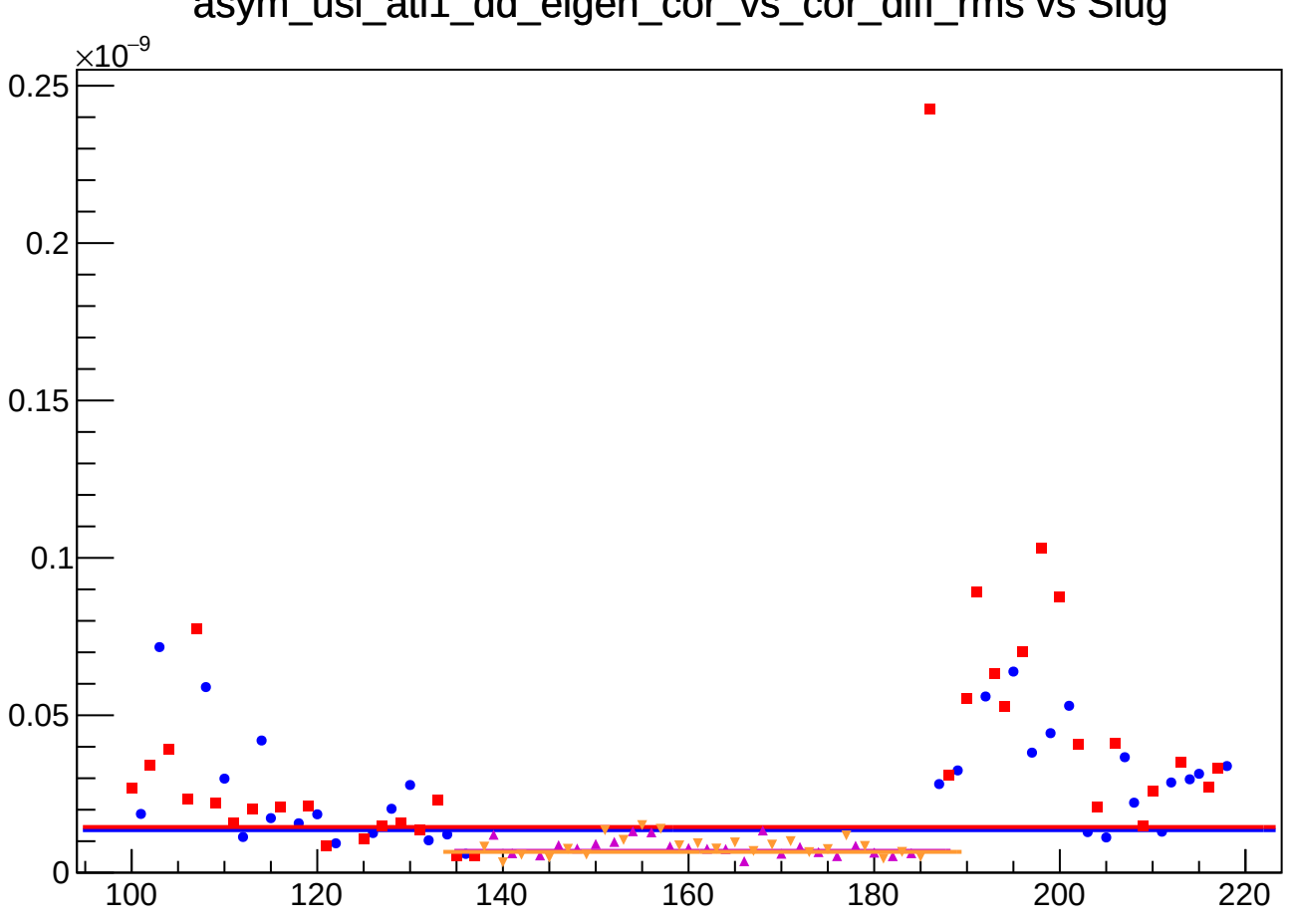
Right Out: -0.000+/-0.000 χ^2/NDF: 29.9/34

Left In: 0.000+/-0.000 χ^2/NDF:25.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 42.2/55

All: 0.000+/-0.000 χ^2/NDF: 100.1/113

- sign 0.000+/-0.000 χ^2/NDF: 57.8/57



Right In: 0.000+/-0.000 χ^2/NDF: 8205479.0/31

Left Out: 0.000+/-0.000 χ^2/NDF:3457171.1/23

Right Out: 0.000+/-0.000 χ^2/NDF: 10459921.7/34

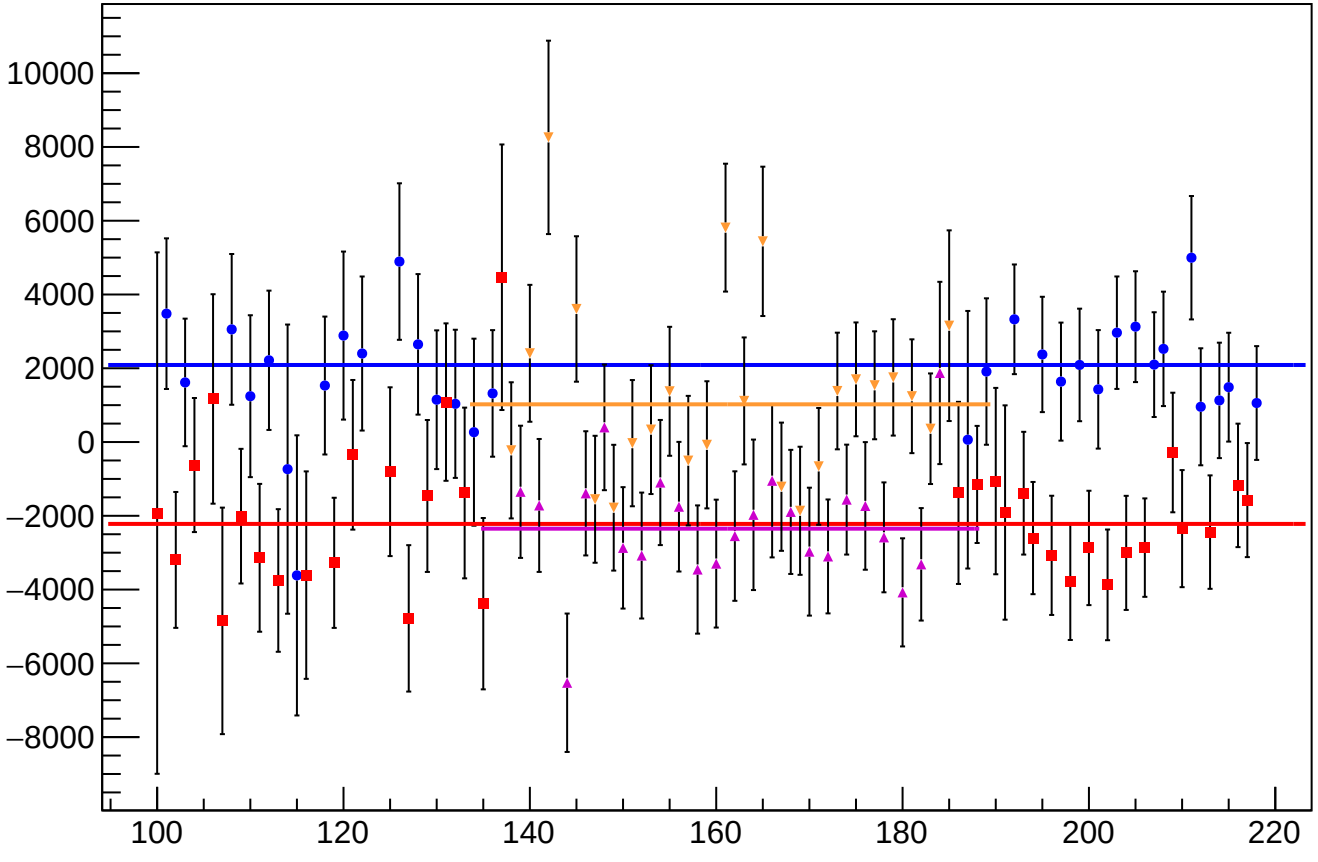
Left In: 0.000+/-0.000 χ^2/NDF:2315472.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 15059736.6/55

All: 0.000+/-0.000 χ^2/NDF: 31344561.7/113

- sign 0.000+/-0.000 χ^2/NDF: 16256448.4/57

reg_asym_usl_atl2_avg_mean vs Slug



Right In: 2089.126+/-317.829 χ^2/NDF: 13.7/31

Left Out: 1022.603+/-353.459 χ^2/NDF:36.4/23

Right Out: -2219.860+/-317.271 χ^2/NDF: 20.8/34

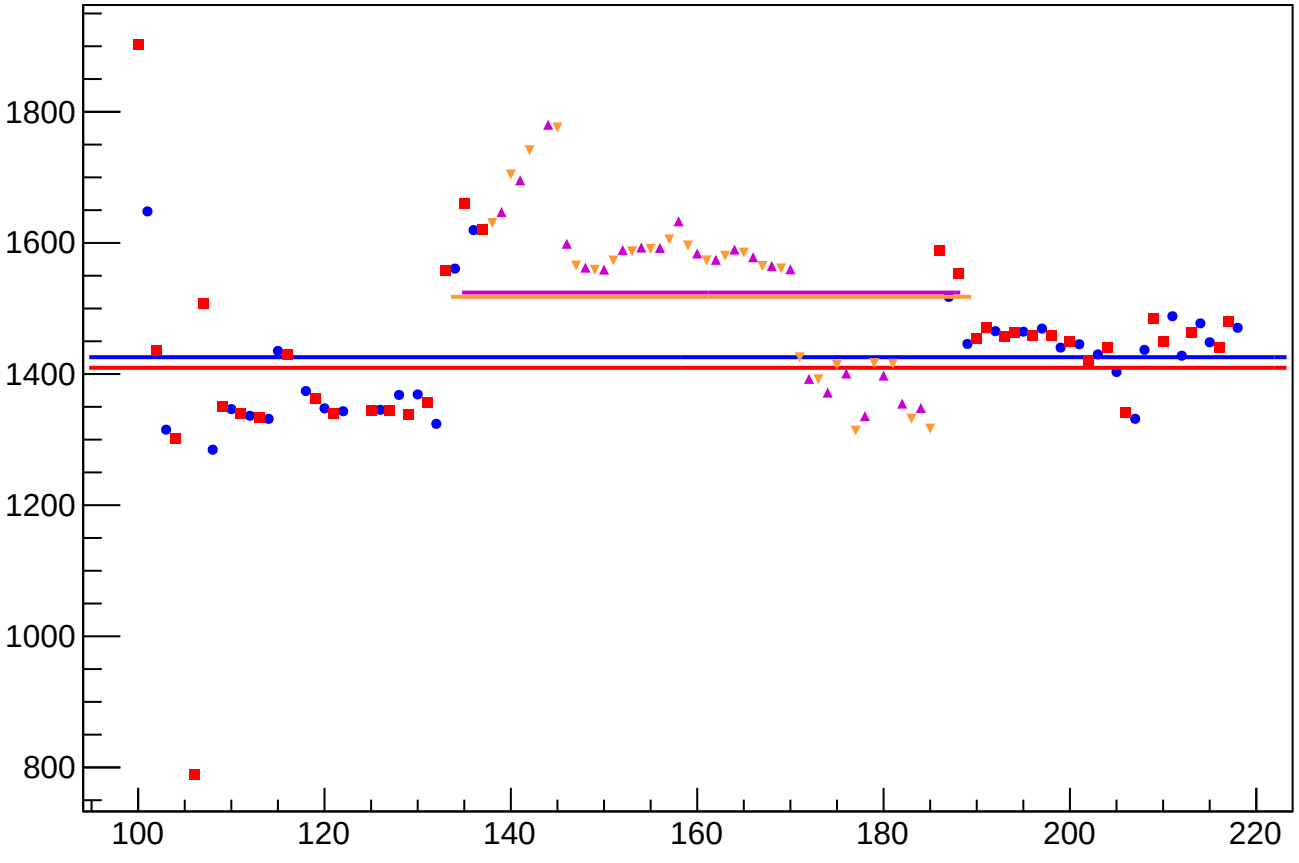
Left In: -2349.189+/-357.068 χ^2/NDF:16.0/22

+ sign 1612.313+/-236.335 χ^2/NDF: 55.2/55

All: -325.429+/-167.409 χ^2/NDF: 227.0/113

- sign -2276.919+/-237.172 χ^2/NDF: 36.9/57

reg_asym_usl_atl2_avg_rms vs Slug



Right In: 1425.725+/-0.225 χ^2/NDF: 122185.7/31

Left Out: 1517.815+/-0.250 χ^2/NDF:233957.9/23

Right Out: 1409.565+/-0.222 χ^2/NDF: 414818.6/34

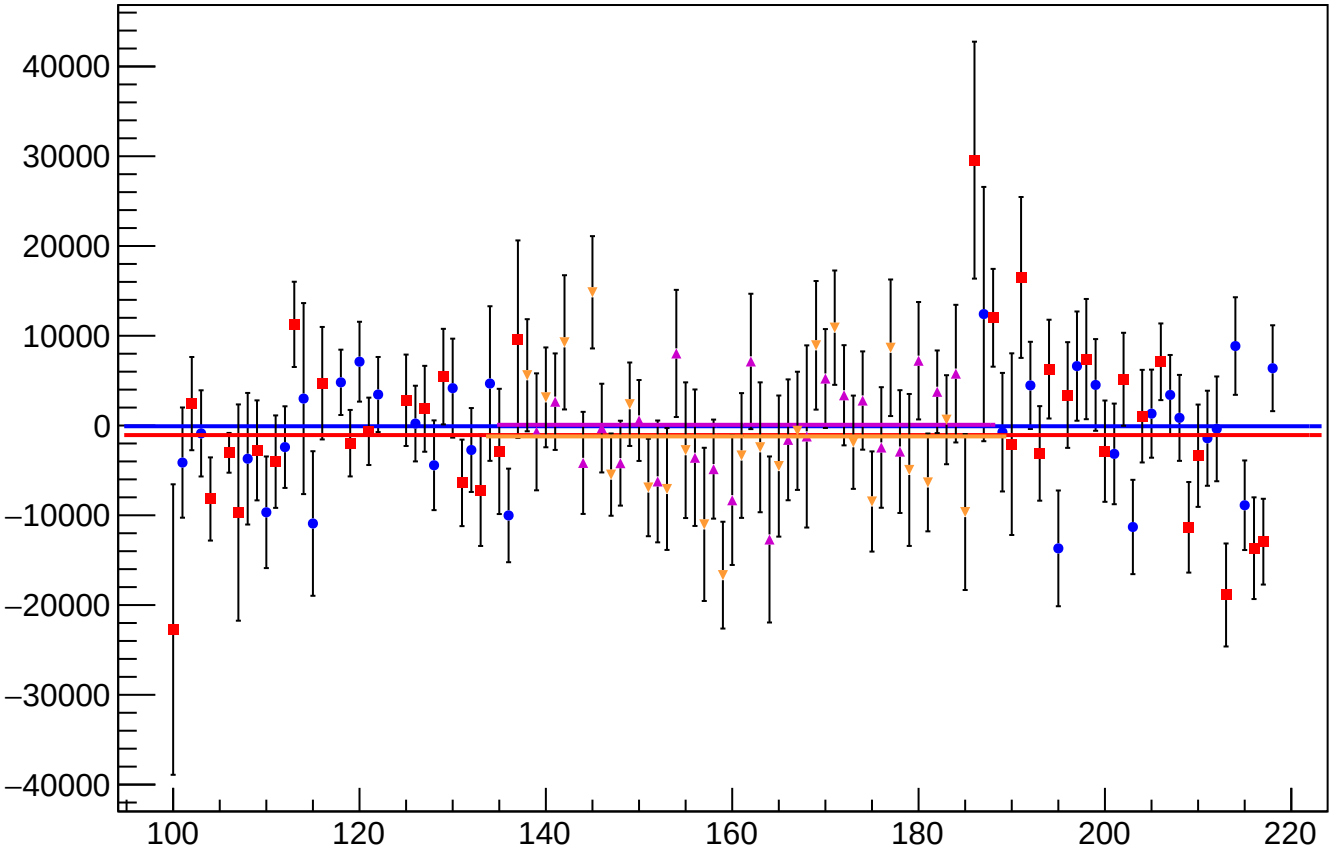
Left In: 1524.314+/-0.252 χ^2/NDF:224321.2/22

+ sign 1466.896+/-0.167 χ^2/NDF: 431210.0/55

All: 1463.190+/-0.118 χ^2/NDF: 1187982.1/11

- sign 1459.508+/-0.167 χ^2/NDF: 755791.6/57

asym_usl_atl2_avg_reg_correction_mean vs Slug



Right In: -79.968+/-935.968 χ^2/NDF: 37.4/31

Left Out: -1211.893+/-1268.315 χ^2/NDF:33.2/23

Right Out: -1064.302+/-871.812 χ^2/NDF: 69.2/34

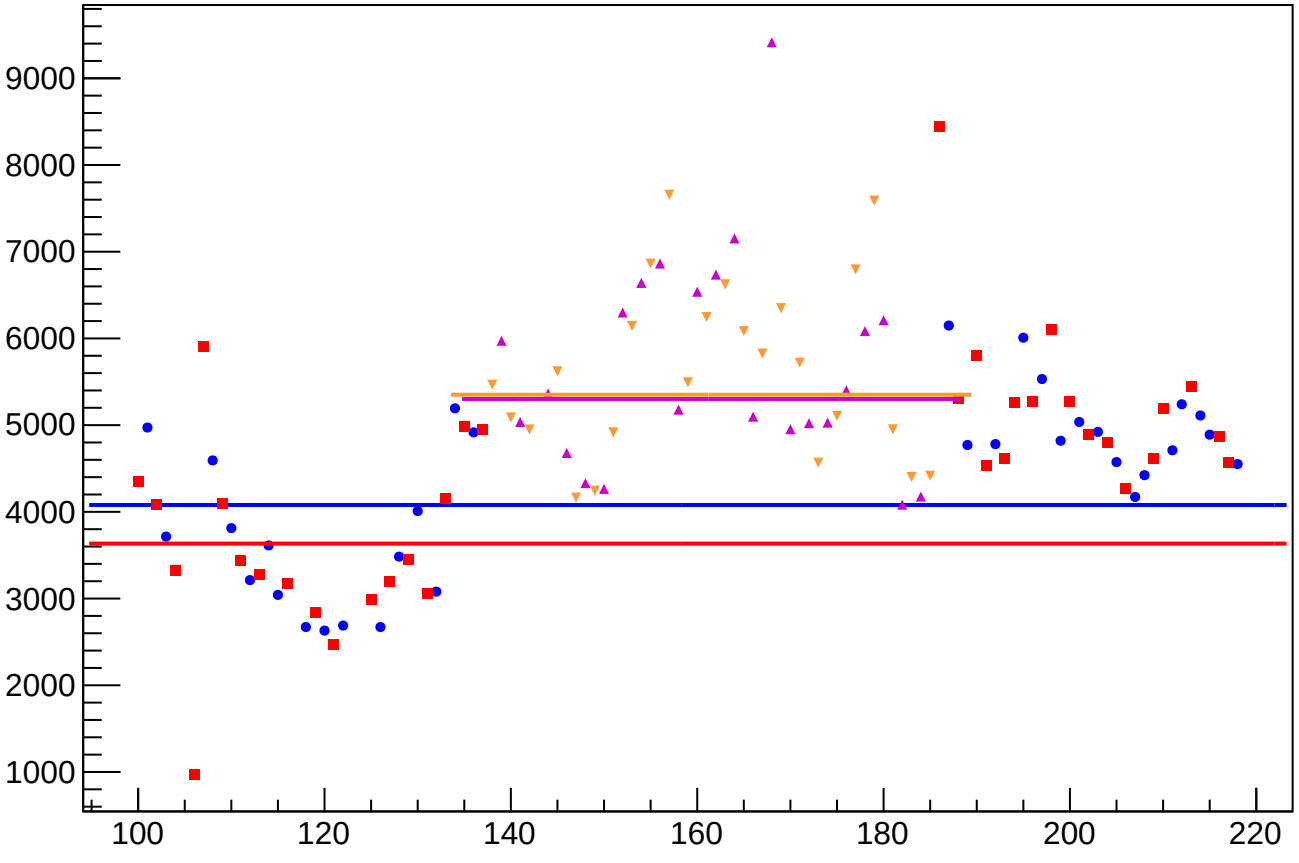
Left In: 80.780+/-1264.327 χ^2/NDF:13.2/22

+ sign -479.060+/-753.104 χ^2/NDF: 71.2/55

All: -592.377+/-519.565 χ^2/NDF: 154.2/113

- sign -695.297+/-717.723 χ^2/NDF: 83.0/57

asym_usl_atl2_avg_reg_correction_rms vs Slug



Right In: 4079.354+/-0.662 χ^2/NDF: 2172194.8/31

Left Out: 5351.126+/-0.897 χ^2/NDF:1066045.6/23

Right Out: 3633.953+/-0.616 χ^2/NDF: 5783845.6/34

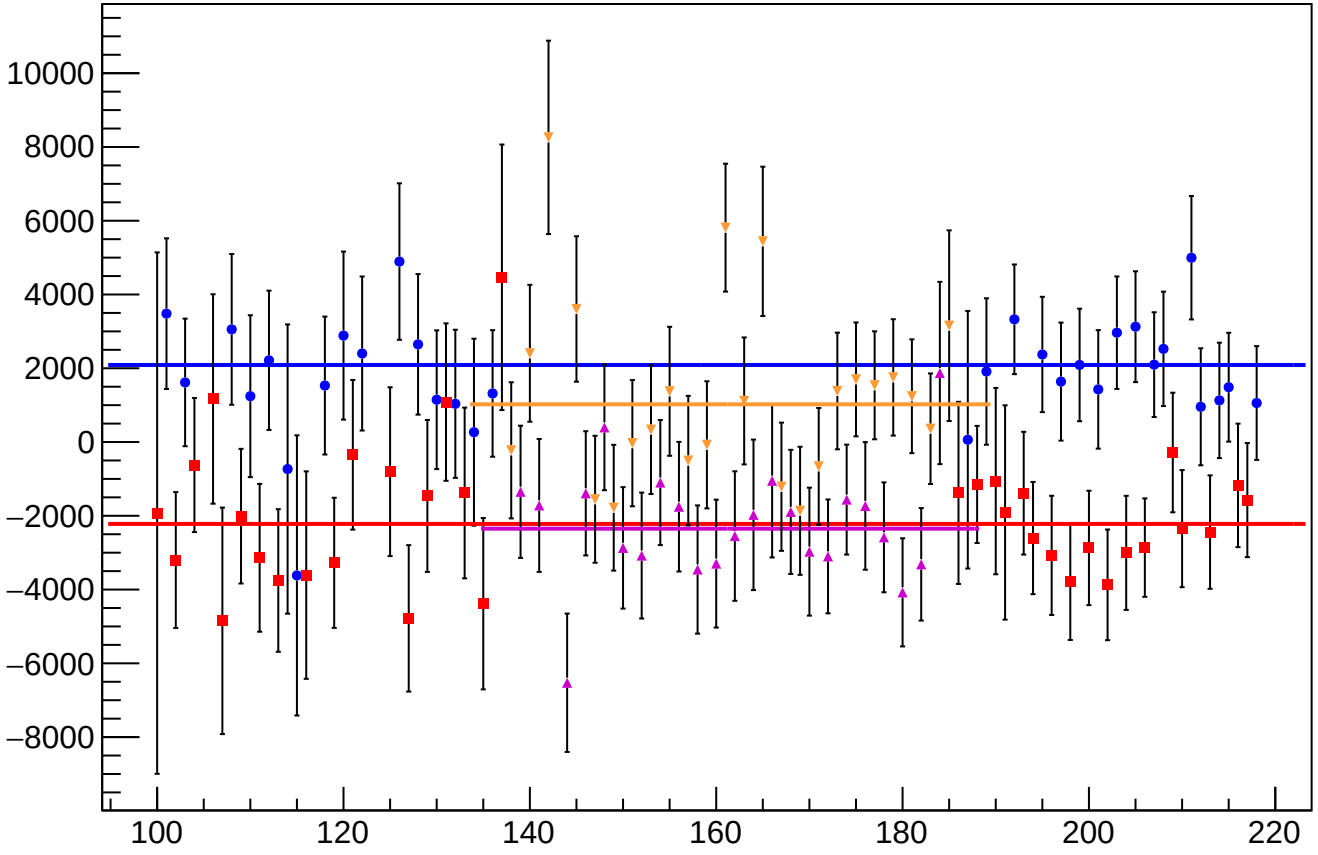
Left In: 5302.185+/-0.894 χ^2/NDF:1256309.3/22

+ sign 4527.753+/-0.533 χ^2/NDF: 4540152.6/55

All: 4341.085+/-0.367 χ^2/NDF: 14174676.2/1

- sign 4171.544+/-0.508 χ^2/NDF: 9400049.1/57

cor_asym_usl_atl2_avg_mean vs Slug



Right In: 2089.102+/-317.829 χ^2/NDF: 13.7/31

Left Out: 1022.634+/-353.459 χ^2/NDF:36.4/23

Right Out: -2219.914+/-317.272 χ^2/NDF: 20.8/34

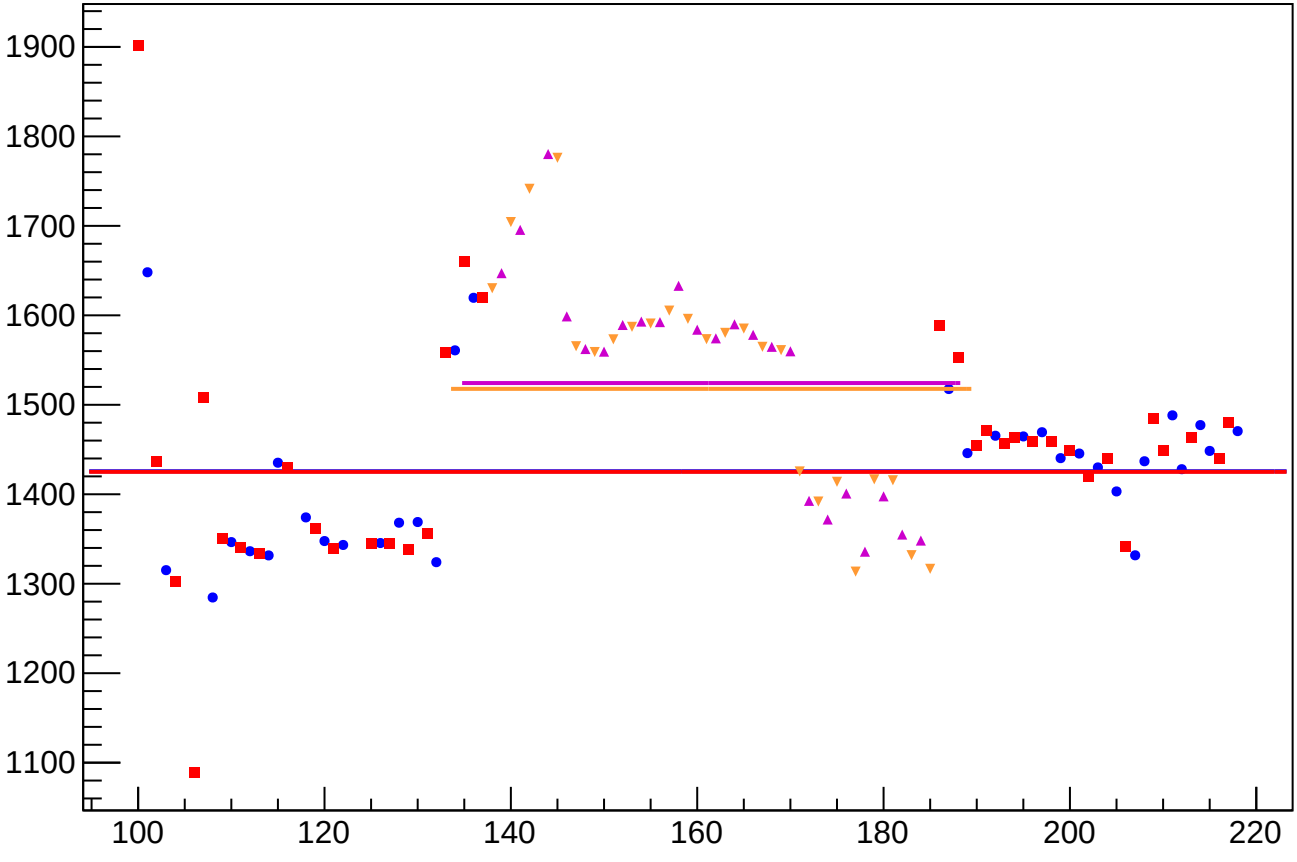
Left In: -2349.186+/-357.068 χ^2/NDF:16.0/22

+ sign 1612.313+/-236.335 χ^2/NDF: 55.2/55

All: -325.441+/-167.409 χ^2/NDF: 227.0/113

- sign -2276.947+/-237.172 χ^2/NDF: 36.9/57

cor_asym_usl_atl2_avg_rms vs Slug



Right In: 1425.725+/-0.225 χ^2/NDF: 122185.7/31

Left Out: 1517.815+/-0.250 χ^2/NDF:233957.9/23

Right Out: 1425.069+/-0.223 χ^2/NDF: 174189.3/34

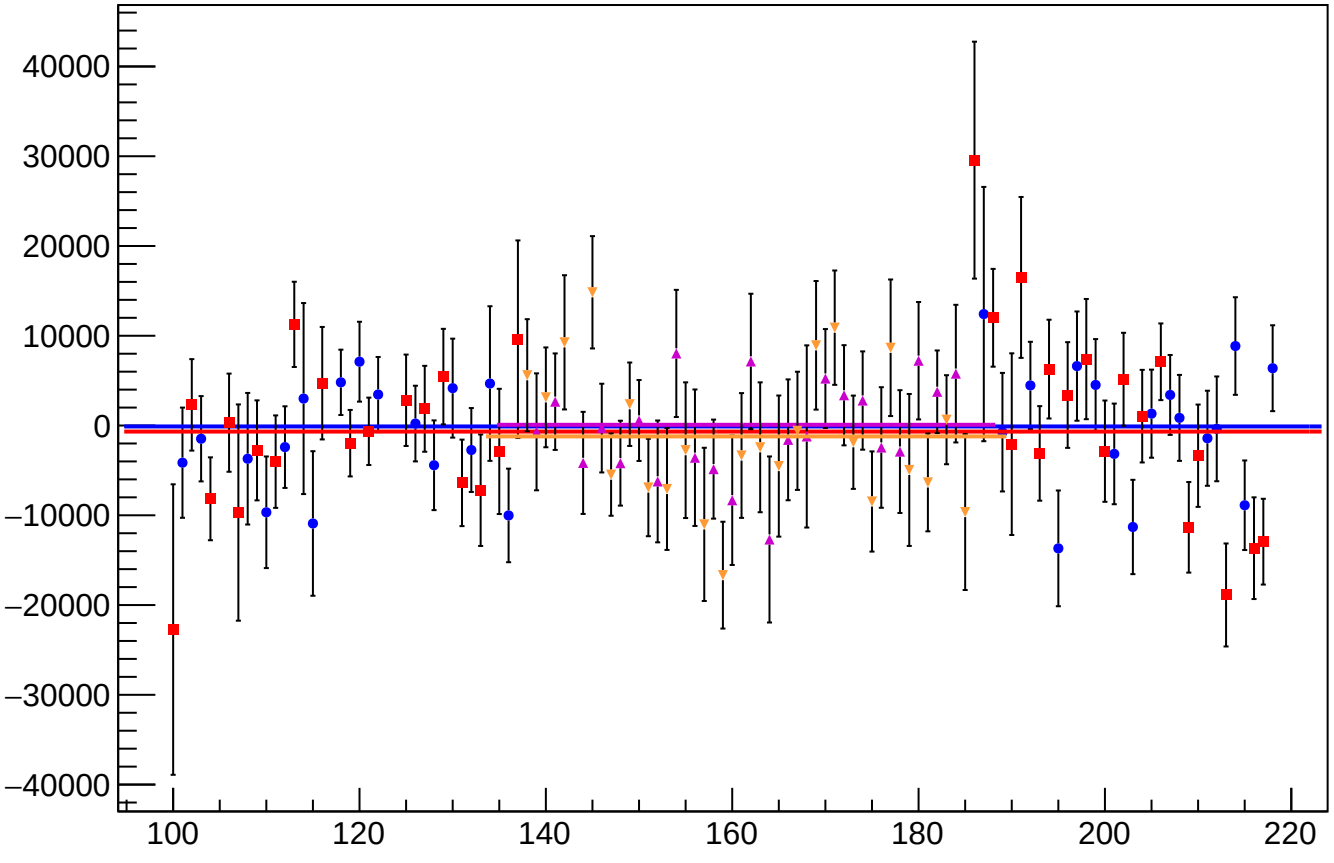
Left In: 1524.314+/-0.252 χ^2/NDF:224321.2/22

+ sign 1466.896+/-0.167 χ^2/NDF: 431210.1/55

All: 1467.752+/-0.118 χ^2/NDF: 916495.1/113

- sign 1468.609+/-0.167 χ^2/NDF: 485232.5/57

asym_usl_atl2_avg_cor_correction_mean vs Slug



Right In: -103.988+/-935.596 χ^2/NDF: 37.5/31

Left Out: -1211.889+/-1268.316 χ^2/NDF:33.2/23

Right Out: -674.212+/-933.761 χ^2/NDF: 68.3/34

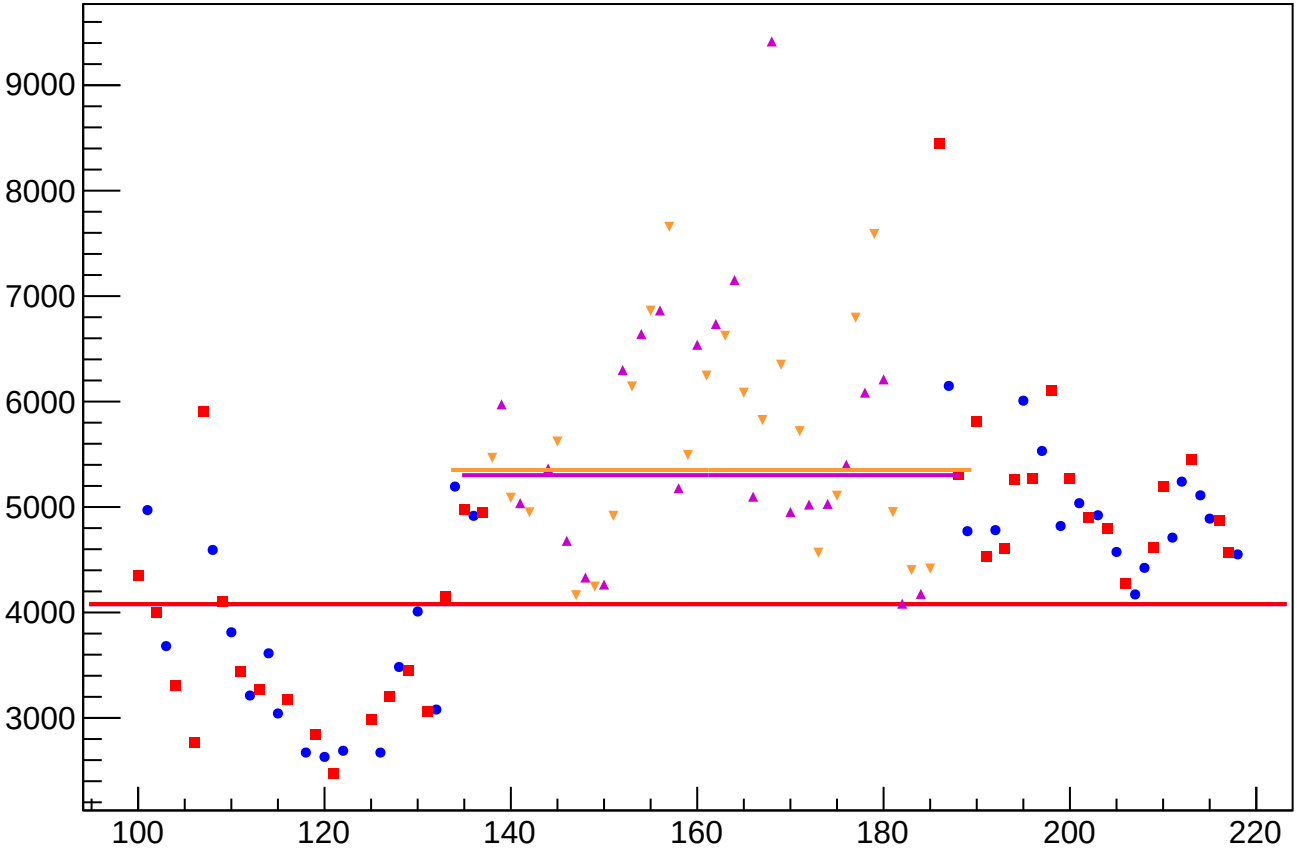
Left In: 80.689+/-1264.325 χ^2/NDF:13.2/22

+ sign -494.408+/-752.910 χ^2/NDF: 71.2/55

All: -450.990+/-531.753 χ^2/NDF: 152.9/113

- sign -407.778+/-751.118 χ^2/NDF: 81.7/57

asym_usl_atl2_avg_cor_correction_rms vs Slug



Right In: 4077.749+/-0.662 χ^2/NDF: 2174605.4/31

Left Out: 5351.132+/-0.897 χ^2/NDF:1066039.6/23

Right Out: 4080.000+/-0.660 χ^2/NDF: 2476505.6/34

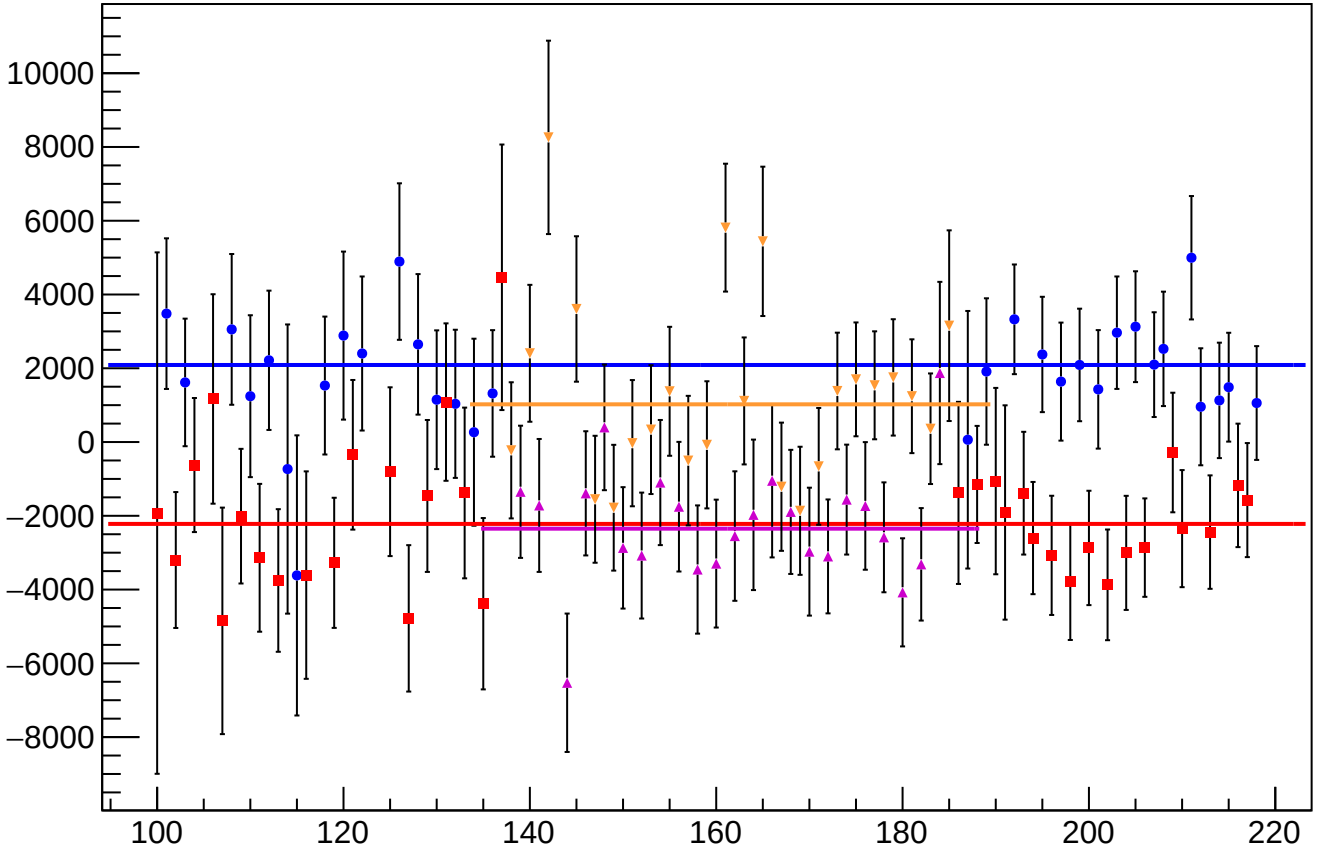
Left In: 5302.177+/-0.894 χ^2/NDF:1256324.3/22

+ sign 4526.484+/-0.532 χ^2/NDF: 4546220.4/55

All: 4518.901+/-0.376 χ^2/NDF: 9488732.7/11

- sign 4511.353+/-0.531 χ^2/NDF: 4942107.4/57

eigen_cor_asym_usl_atl2_avg_mean vs Slug



Right In: 2089.102+/-317.829 χ^2/NDF: 13.7/31

Left Out: 1022.634+/-353.459 χ^2/NDF:36.4/23

Right Out: -2219.914+/-317.272 χ^2/NDF: 20.8/34

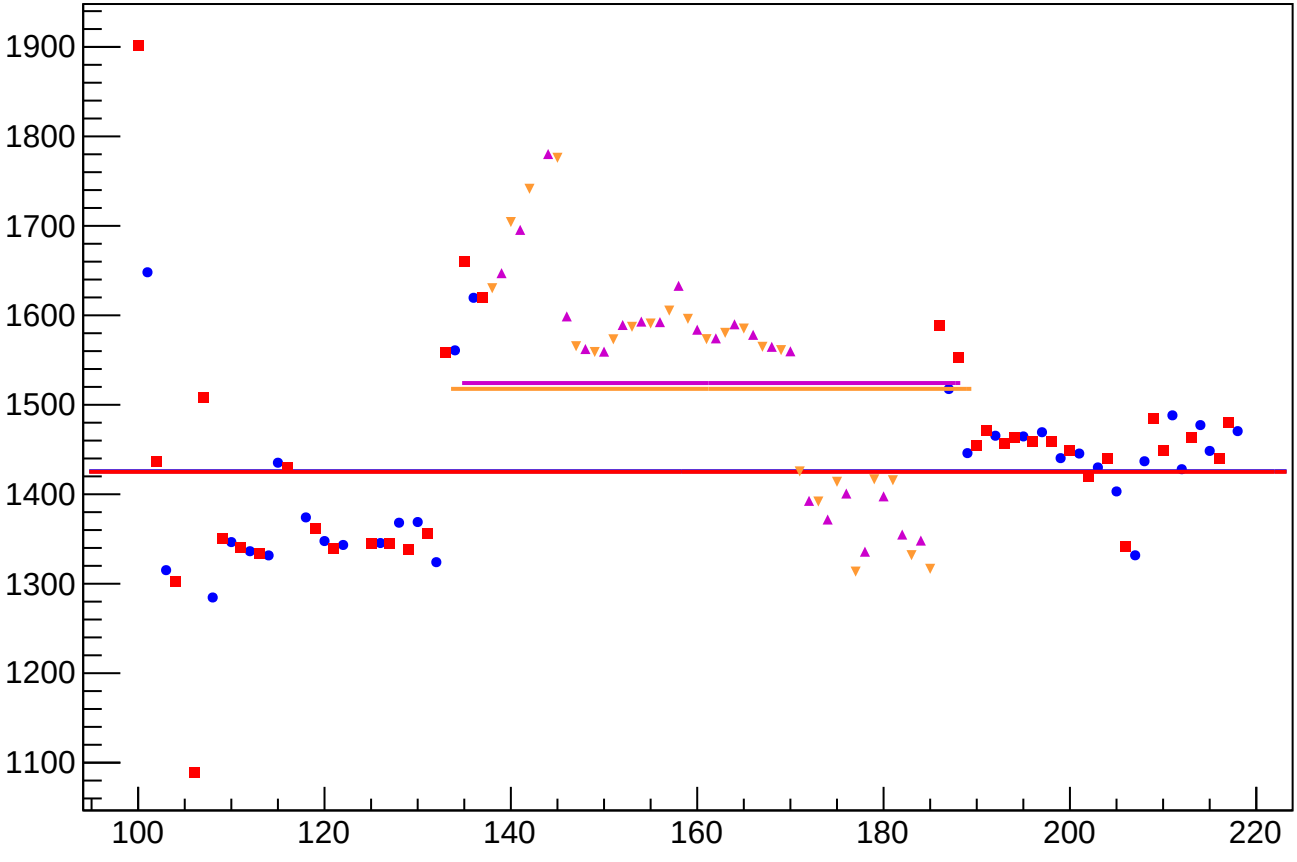
Left In: -2349.186+/-357.068 χ^2/NDF:16.0/22

+ sign 1612.313+/-236.335 χ^2/NDF: 55.2/55

All: -325.441+/-167.409 χ^2/NDF: 227.0/113

- sign -2276.947+/-237.172 χ^2/NDF: 36.9/57

eigen_cor_asym_usl_atl2_avg_rms vs Slug



Right In: 1425.725+/-0.225 χ^2/NDF: 122185.7/31

Left Out: 1517.815+/-0.250 χ^2/NDF:233957.9/23

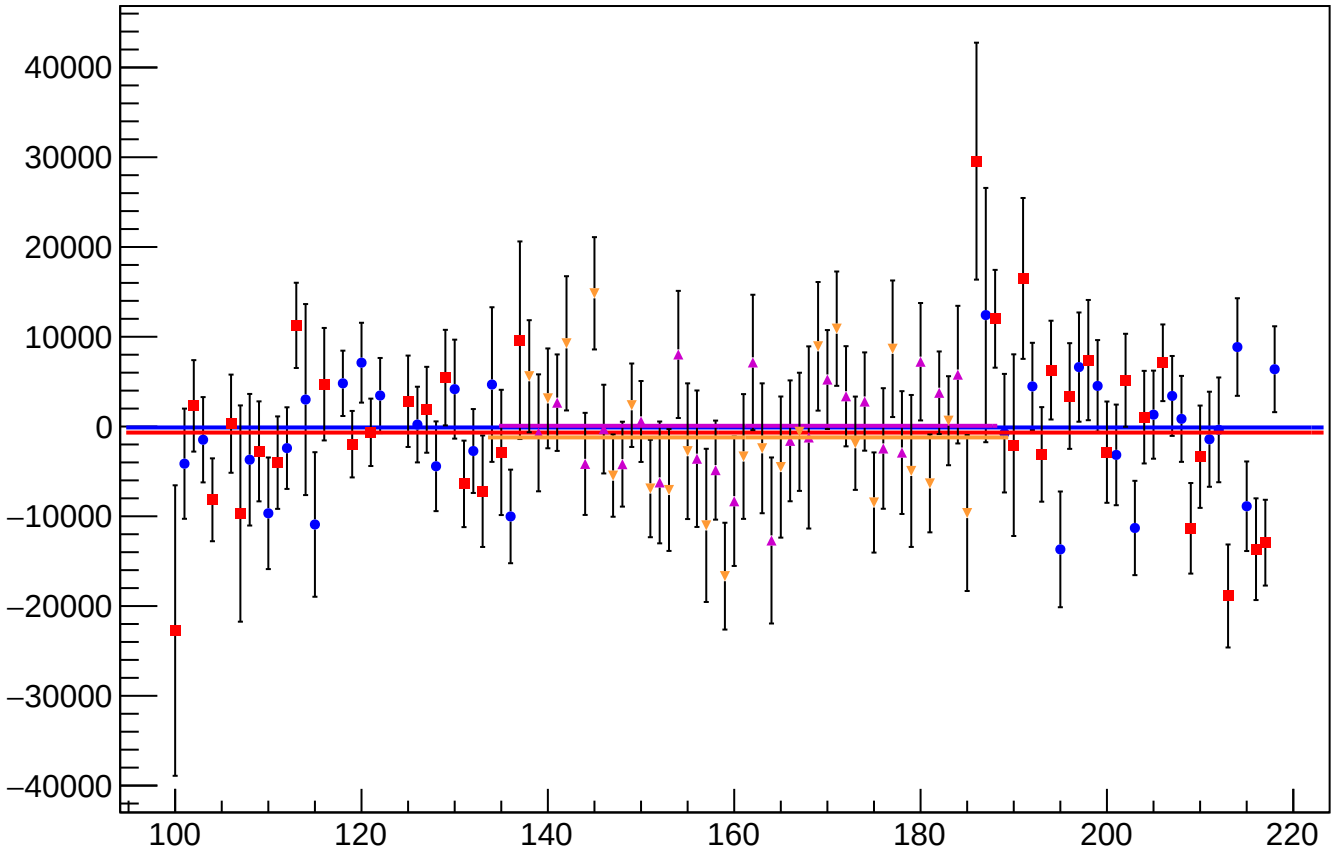
Right Out: 1425.069+/-0.223 χ^2/NDF: 174189.3/34

Left In: 1524.314+/-0.252 χ^2/NDF:224321.2/22

+ sign 1466.896+/-0.167 χ^2/NDF: 431210.1/55

All: 1467.752+/-0.118 χ^2/NDF: 916495.1/113

- sign 1468.609+/-0.167 χ^2/NDF: 485232.5/57



Right In: -103.988+/-935.596 χ^2/NDF: 37.5/31

Left Out: -1211.889+/-1268.316 χ^2/NDF:33.2/23

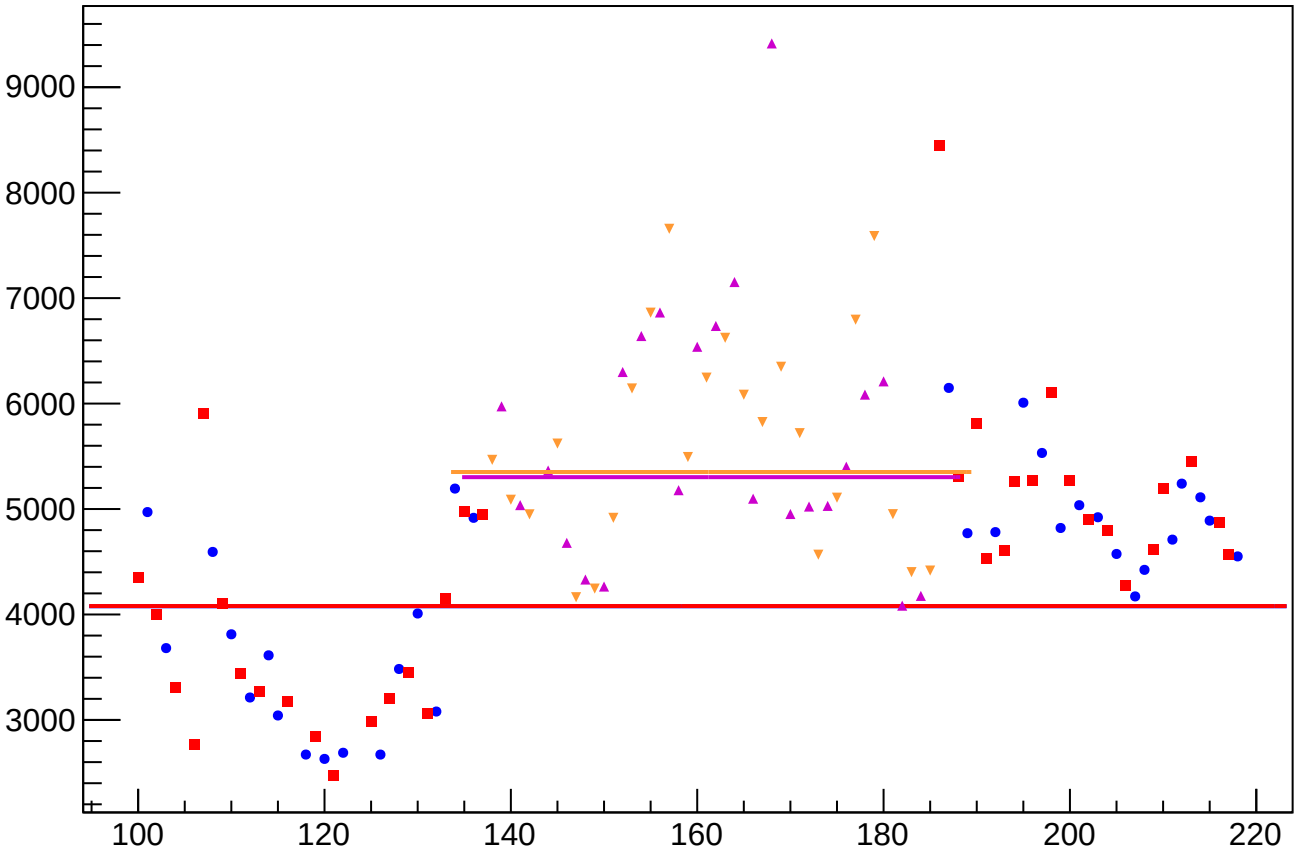
Right Out: -674.212+/-933.761 χ^2/NDF: 68.3/34

Left In: 80.689+/-1264.325 χ^2/NDF:13.2/22

+ sign -494.408+/-752.910 χ^2/NDF: 71.2/55

All: -450.990+/-531.753 χ^2/NDF: 152.9/113

- sign -407.778+/-751.118 χ^2/NDF: 81.7/57



Right In: 4077.749+/-0.662 χ^2/NDF: 2174605.4/31

Left Out: 5351.132+/-0.897 χ^2/NDF:1066039.6/23

Right Out: 4080.000+/-0.660 χ^2/NDF: 2476505.6/34

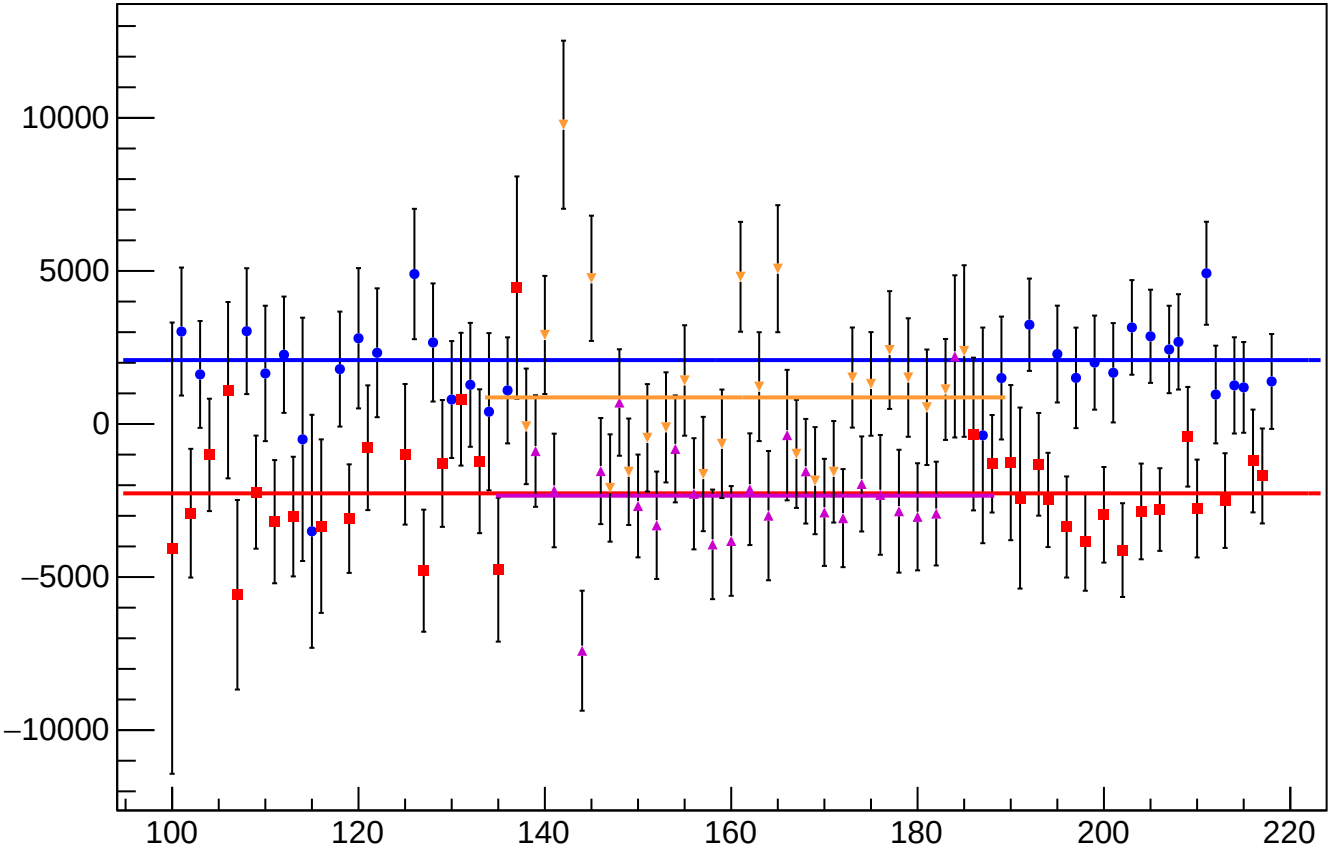
Left In: 5302.177+/-0.894 χ^2/NDF:1256324.3/22

+ sign 4526.484+/-0.532 χ^2/NDF: 4546220.4/55

All: 4518.901+/-0.376 χ^2/NDF: 9488732.7/11

- sign 4511.353+/-0.531 χ^2/NDF: 4942107.4/57

dit_asym_usl_atl2_avg_mean vs Slug



Right In: 2087.724+/-320.809 χ^2/NDF: 12.9/31

Left Out: 868.415+/-377.179 χ^2/NDF:39.7/23

Right Out: -2265.948+/-321.269 χ^2/NDF: 20.1/34

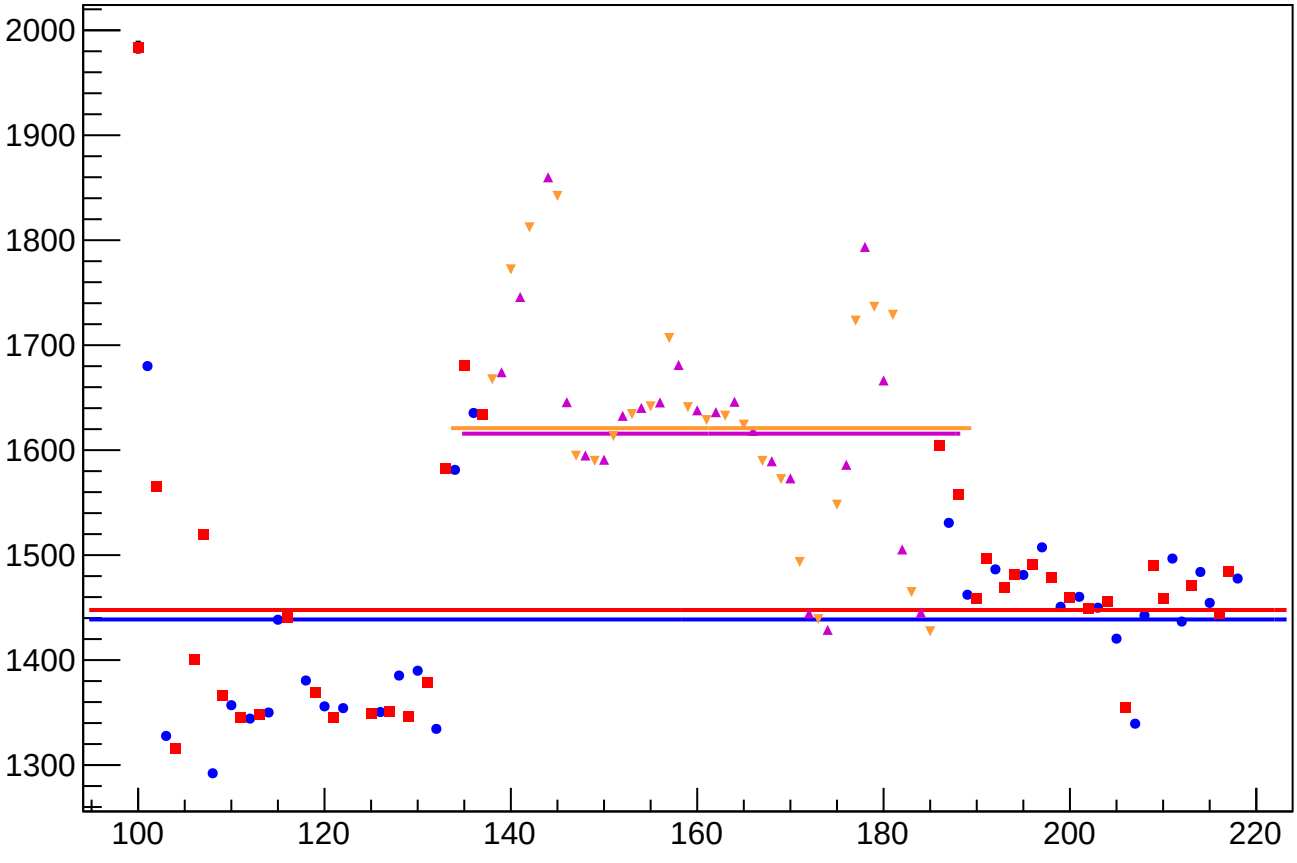
Left In: -2342.303+/-378.114 χ^2/NDF:18.0/22

+ sign 1575.904+/-244.371 χ^2/NDF: 58.8/55

All: -357.406+/-172.958 χ^2/NDF: 222.3/113

- sign -2297.960+/-244.828 χ^2/NDF: 38.1/57

dit_asym_usl_atl2_avg_rms vs Slug



Right In: 1438.695+/-0.227 χ^2/NDF: 129499.1/31

Left Out: 1620.945+/-0.267 χ^2/NDF:141985.5/23

Right Out: 1447.720+/-0.227 χ^2/NDF: 133059.6/34

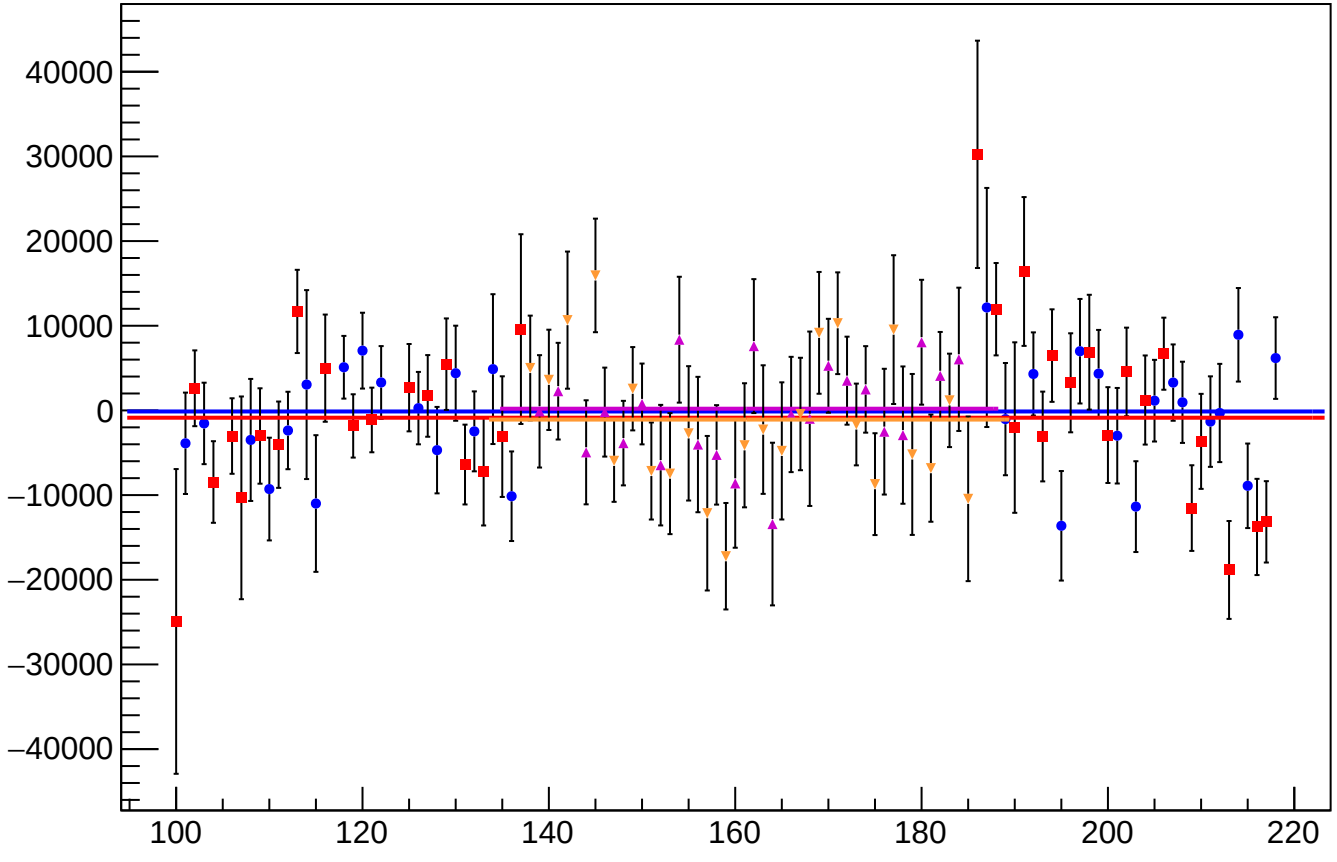
Left In: 1615.705+/-0.267 χ^2/NDF:137139.2/22

+ sign 1515.197+/-0.173 χ^2/NDF: 542425.7/55

All: 1516.630+/-0.122 χ^2/NDF: 1042201.9/11

- sign 1518.068+/-0.173 χ^2/NDF: 499638.4/57

asym_usl_atl2_avg_dit_correction_mean vs Slug



Right In: -123.873+/-943.521 χ^2/NDF: 36.8/31

Left Out: -1082.232+/-1332.403 χ^2/NDF:32.9/23

Right Out: -862.121+/-929.137 χ^2/NDF: 68.3/34

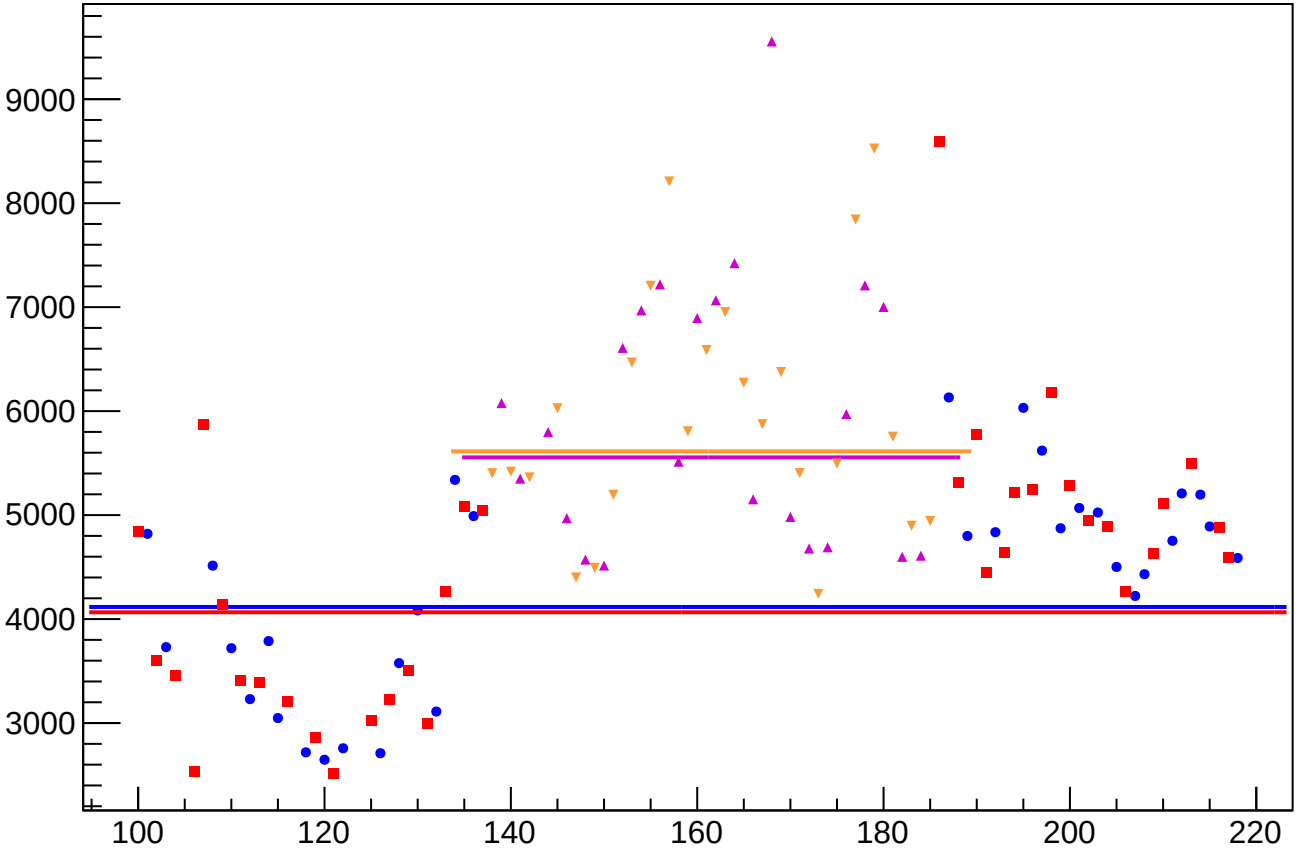
Left In: 201.662+/-1326.173 χ^2/NDF:12.9/22

+ sign -443.945+/-770.008 χ^2/NDF: 70.1/55

All: -478.311+/-541.250 χ^2/NDF: 151.8/113

- sign -511.874+/-760.959 χ^2/NDF: 81.7/57

asym_usl_atl2_avg_dit_correction_rms vs Slug



Right In: 4116.532+/-0.667 χ^2/NDF: 2111216.7/31

Left Out: 5612.730+/-0.942 χ^2/NDF:1188118.0/23

Right Out: 4065.521+/-0.657 χ^2/NDF: 2573550.0/34

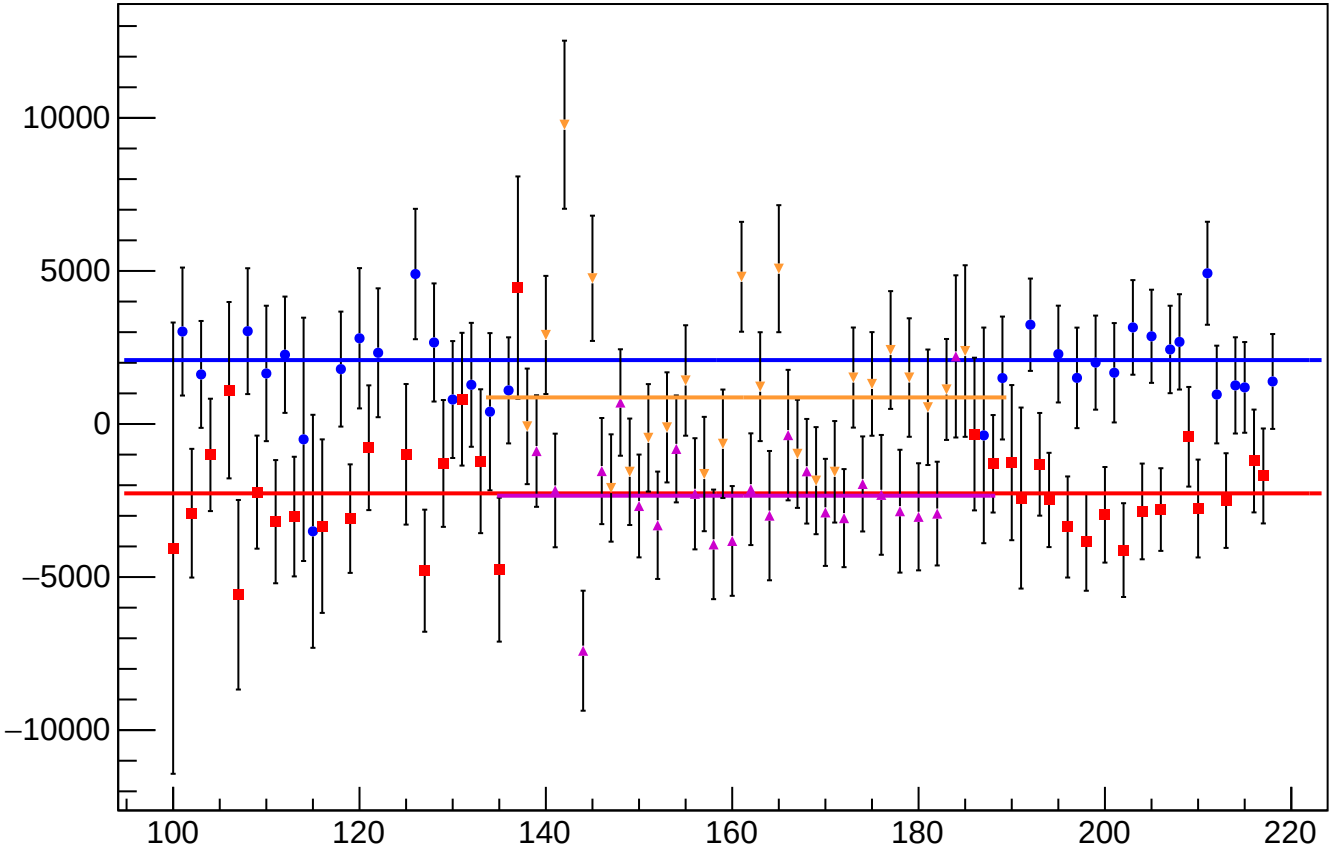
Left In: 5554.927+/-0.938 χ^2/NDF:1332970.4/22

+ sign 4616.231+/-0.544 χ^2/NDF: 4979009.5/55

All: 4585.710+/-0.383 χ^2/NDF: 10583810.6/1

- sign 4555.903+/-0.538 χ^2/NDF: 5598590.2/57

eigen_dit_asym_usl_atl2_avg_mean vs Slug



Right In: 2087.725+/-320.809 χ^2/NDF: 12.9/31

Left Out: 868.410+/-377.180 χ^2/NDF:39.7/23

Right Out: -2265.946+/-321.269 χ^2/NDF: 20.1/34

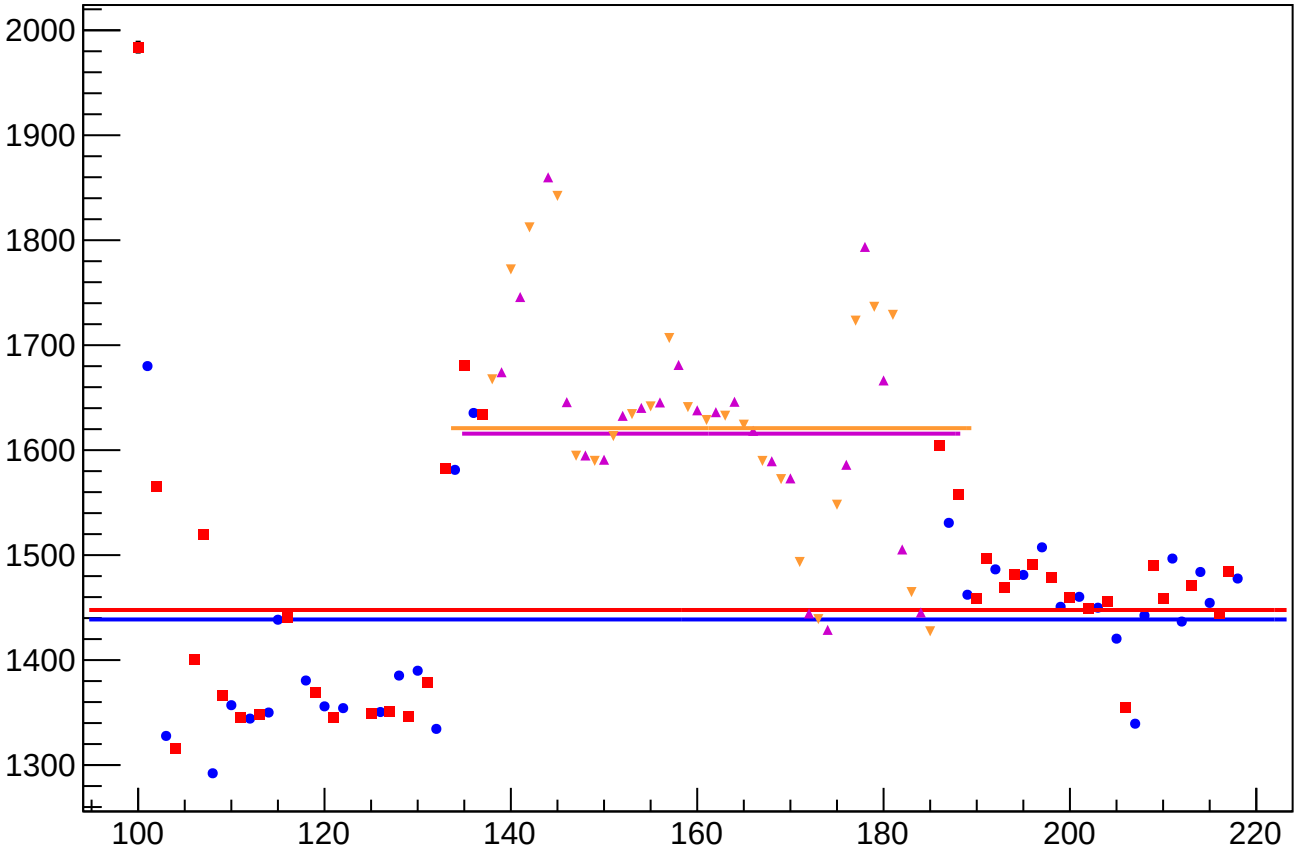
Left In: -2342.303+/-378.114 χ^2/NDF:18.0/22

+ sign 1575.903+/-244.371 χ^2/NDF: 58.8/55

All: -357.406+/-172.958 χ^2/NDF: 222.3/113

- sign -2297.959+/-244.828 χ^2/NDF: 38.1/57

eigen_dit_asym_usl_atl2_avg_rms vs Slug



Right In: 1438.695+/-0.227 χ^2/NDF: 129499.1/31

Left Out: 1620.946+/-0.267 χ^2/NDF:141990.3/23

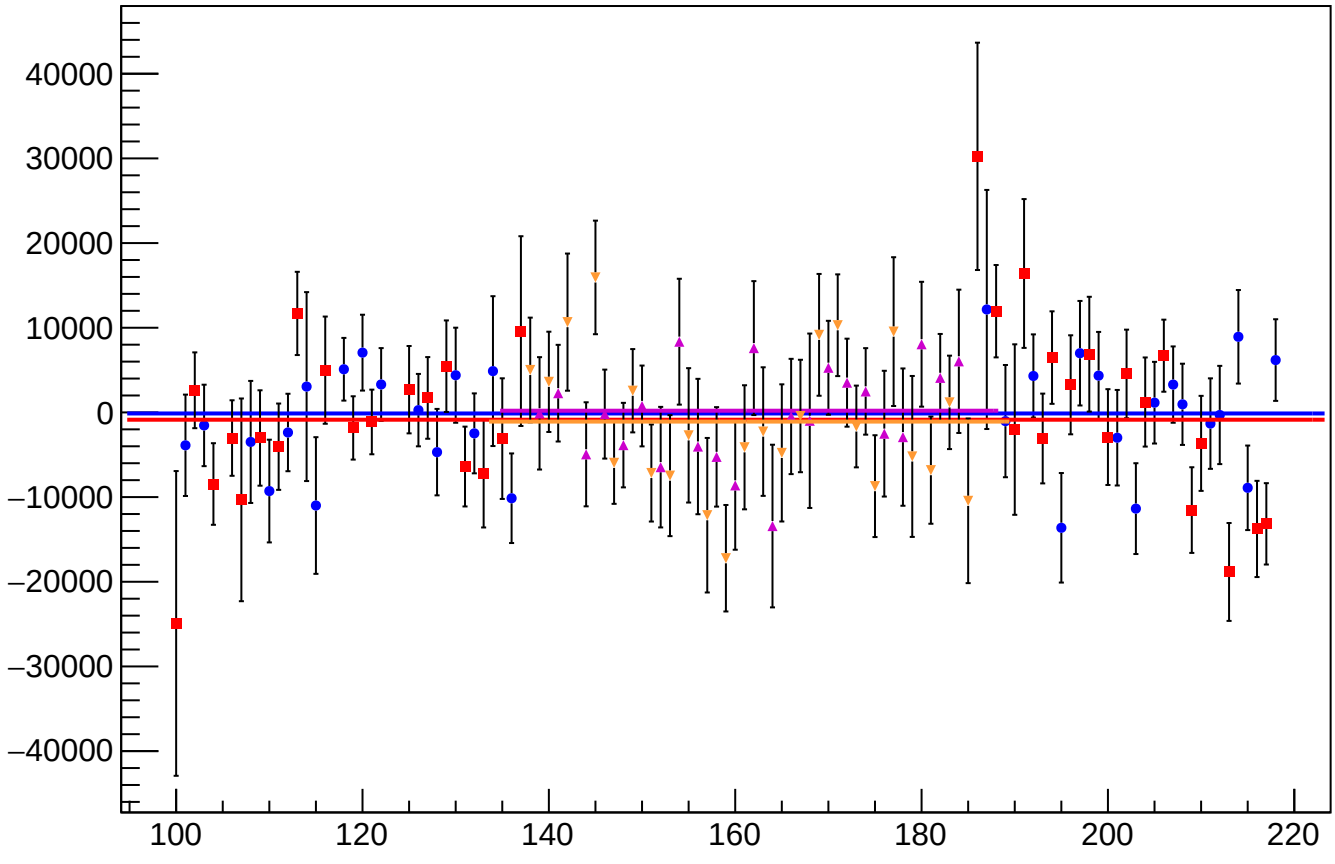
Right Out: 1447.720+/-0.227 χ^2/NDF: 133059.9/34

Left In: 1615.706+/-0.267 χ^2/NDF:137144.0/22

+ sign 1515.197+/-0.173 χ^2/NDF: 542433.8/55

All: 1516.631+/-0.122 χ^2/NDF: 1042218.4/11

- sign 1518.068+/-0.173 χ^2/NDF: 499646.8/57



Right In: -123.869+/-943.520 χ^2/NDF: 36.8/31

Left Out: -1082.239+/-1332.405 χ^2/NDF:32.9/23

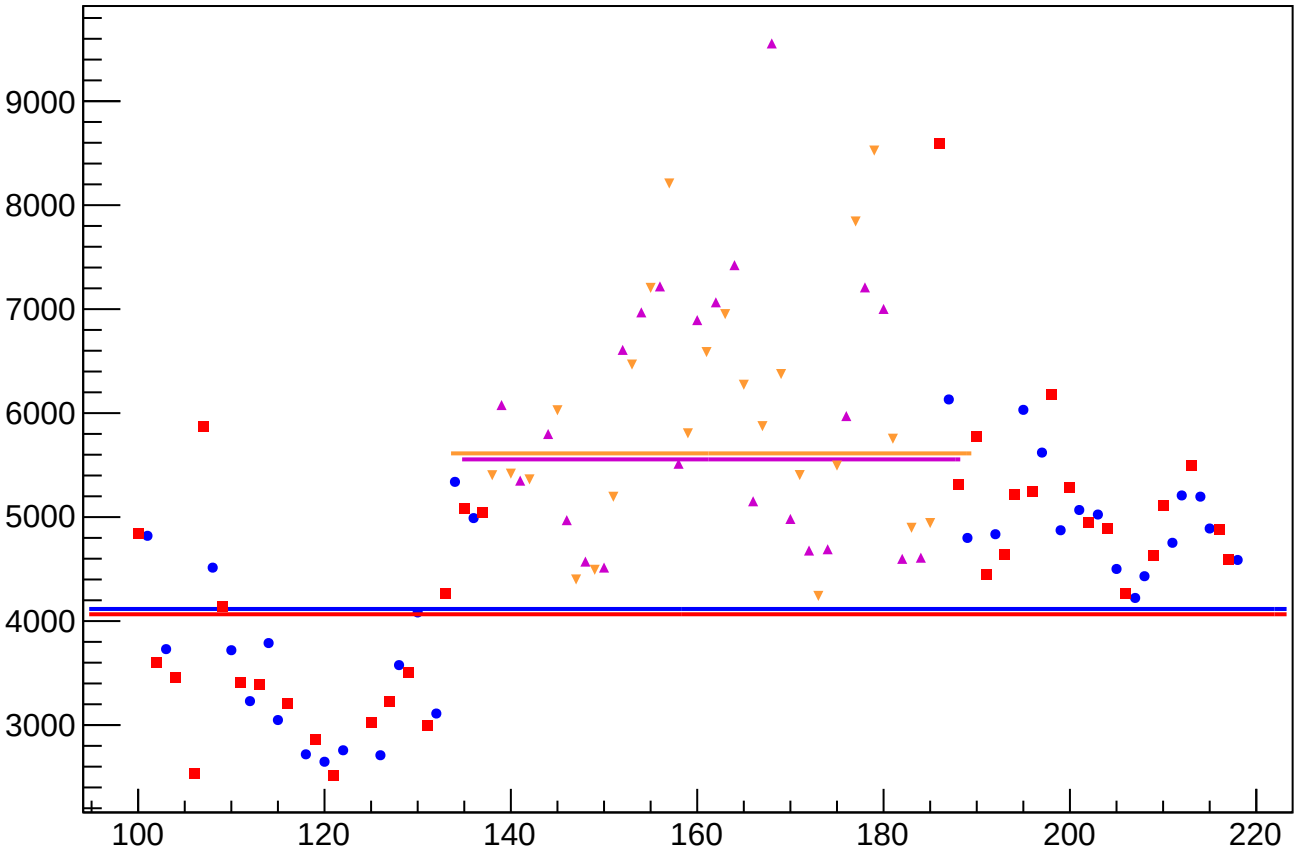
Right Out: -862.124+/-929.136 χ^2/NDF: 68.3/34

Left In: 201.663+/-1326.175 χ^2/NDF:12.9/22

\+ sign -443.943+/-770.008 χ^2/NDF: 70.1/55

All: -478.312+/-541.250 χ^2/NDF: 151.8/113

\- sign -511.877+/-760.958 χ^2/NDF: 81.7/57



Right In: 4116.528+/-0.667 χ^2/NDF: 2111261.0/31

Left Out: 5612.739+/-0.942 χ^2/NDF:1188118.8/23

Right Out: 4065.515+/-0.657 χ^2/NDF: 2573585.5/34

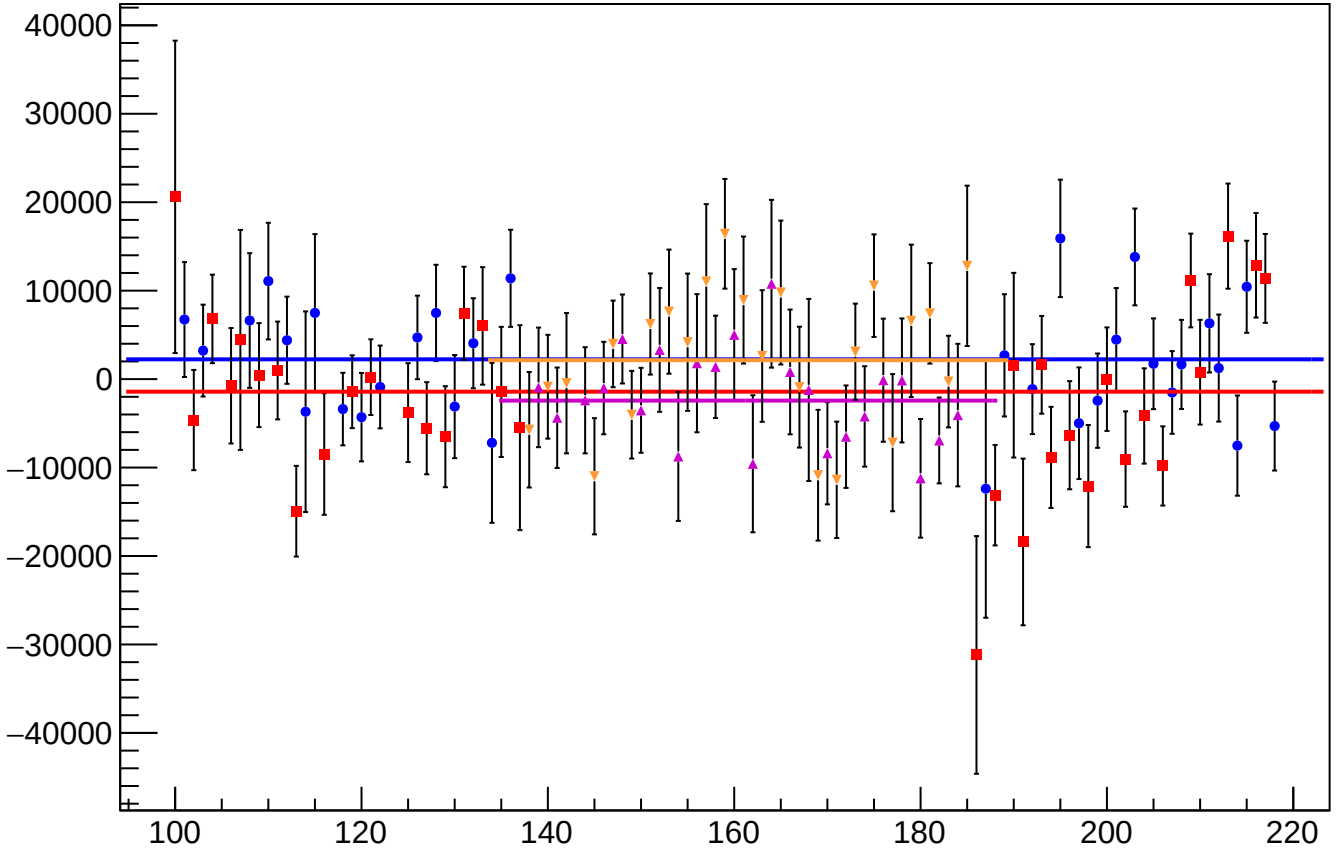
Left In: 5554.935+/-0.938 χ^2/NDF:1332972.0/22

+ sign 4616.230+/-0.544 χ^2/NDF: 4979080.5/55

All: 4585.708+/-0.383 χ^2/NDF: 10583948.7/1

- sign 4555.900+/-0.538 χ^2/NDF: 5598657.0/57

asym_usl_atl2_avg_mean vs Slug



Right In: 2236.634+/-999.790 χ^2/NDF: 34.9/31

Left Out: 2138.140+/-1324.387 χ^2/NDF:30.7/23

Right Out: -1420.020+/-1000.236 χ^2/NDF: 69.2/34

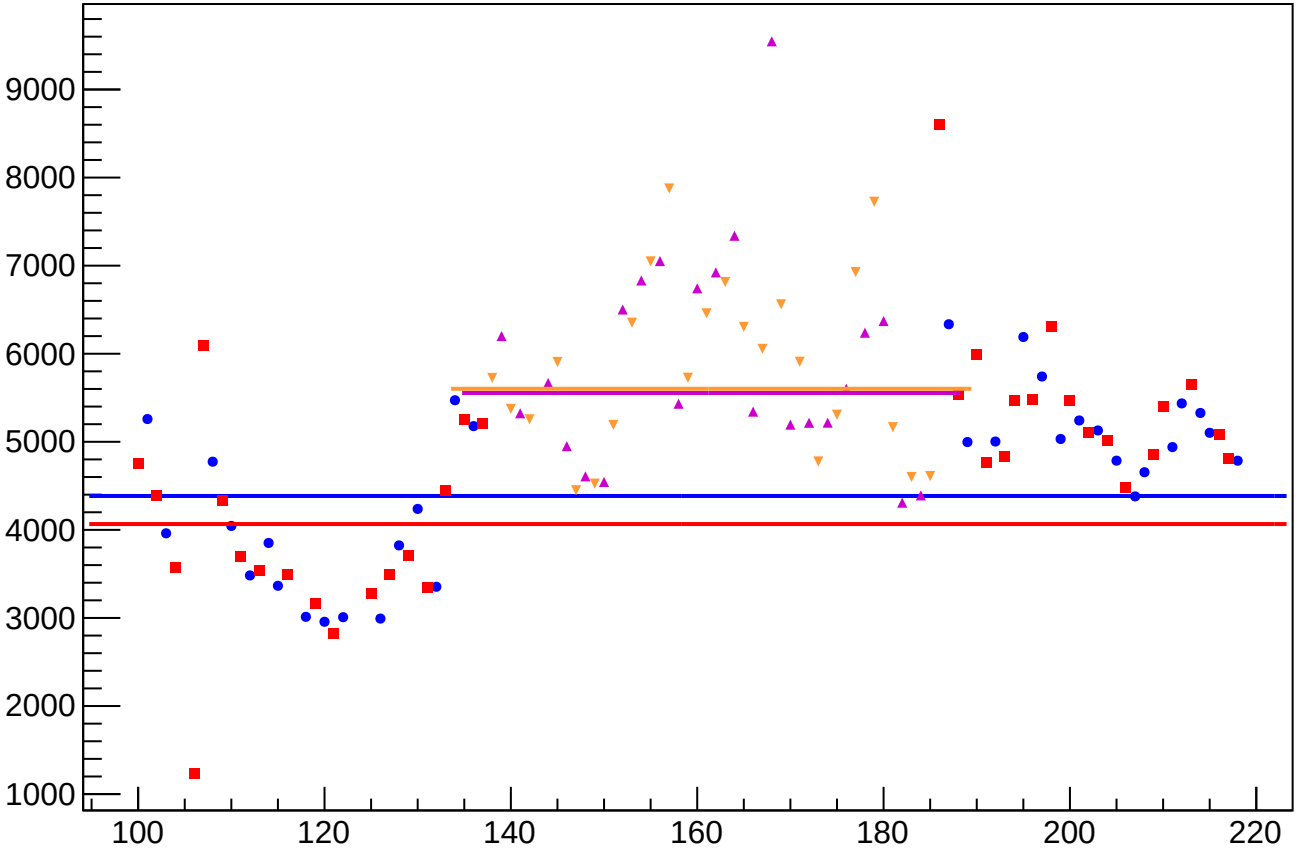
Left In: -2428.059+/-1321.080 χ^2/NDF:12.9/22

+ sign 2200.879+/-797.948 χ^2/NDF: 65.5/55

All: 205.530+/-564.058 χ^2/NDF: 160.5/113

- sign -1787.324+/-797.449 χ^2/NDF: 82.5/57

asym_usl_atl2_avg_rms vs Slug



Right In: 4384.929+/-0.707 χ^2/NDF: 1702281.1/31

Left Out: 5602.266+/-0.936 χ^2/NDF:940451.0/23

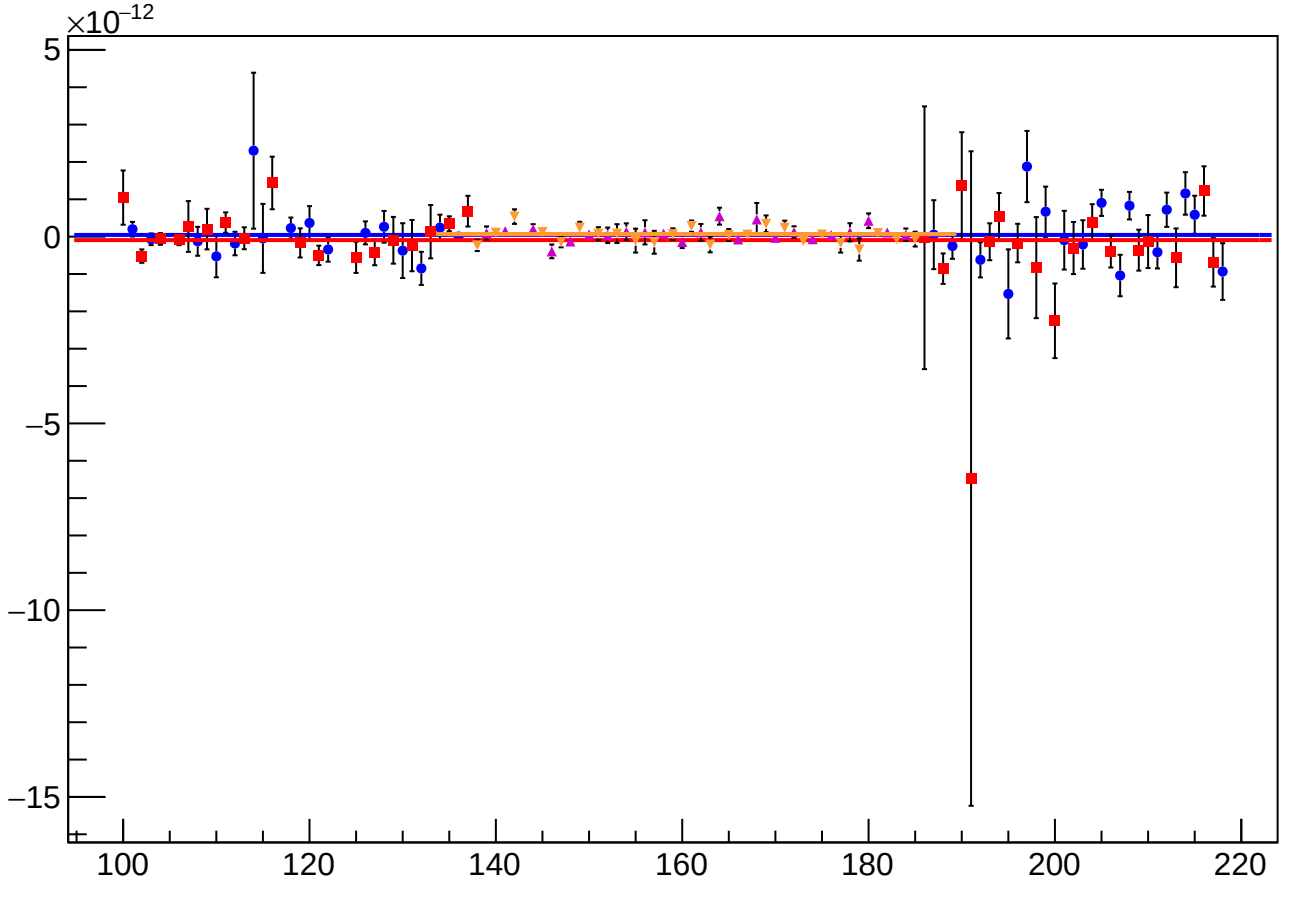
Right Out: 4066.246+/-0.674 χ^2/NDF: 4147205.5/34

Left In: 5554.054+/-0.934 χ^2/NDF:1112177.4/22

+ sign 4826.835+/-0.564 χ^2/NDF: 3719082.4/55

All: 4697.362+/-0.393 χ^2/NDF: 10748429.0/1

- sign 4575.815+/-0.547 χ^2/NDF: 6927259.9/57



Right In: 0.000+/-0.000 χ^2/NDF: 45.1/31

Left Out: 0.000+/-0.000 χ^2/NDF:28.3/23

Right Out: -0.000+/-0.000 χ^2/NDF: 47.6/34

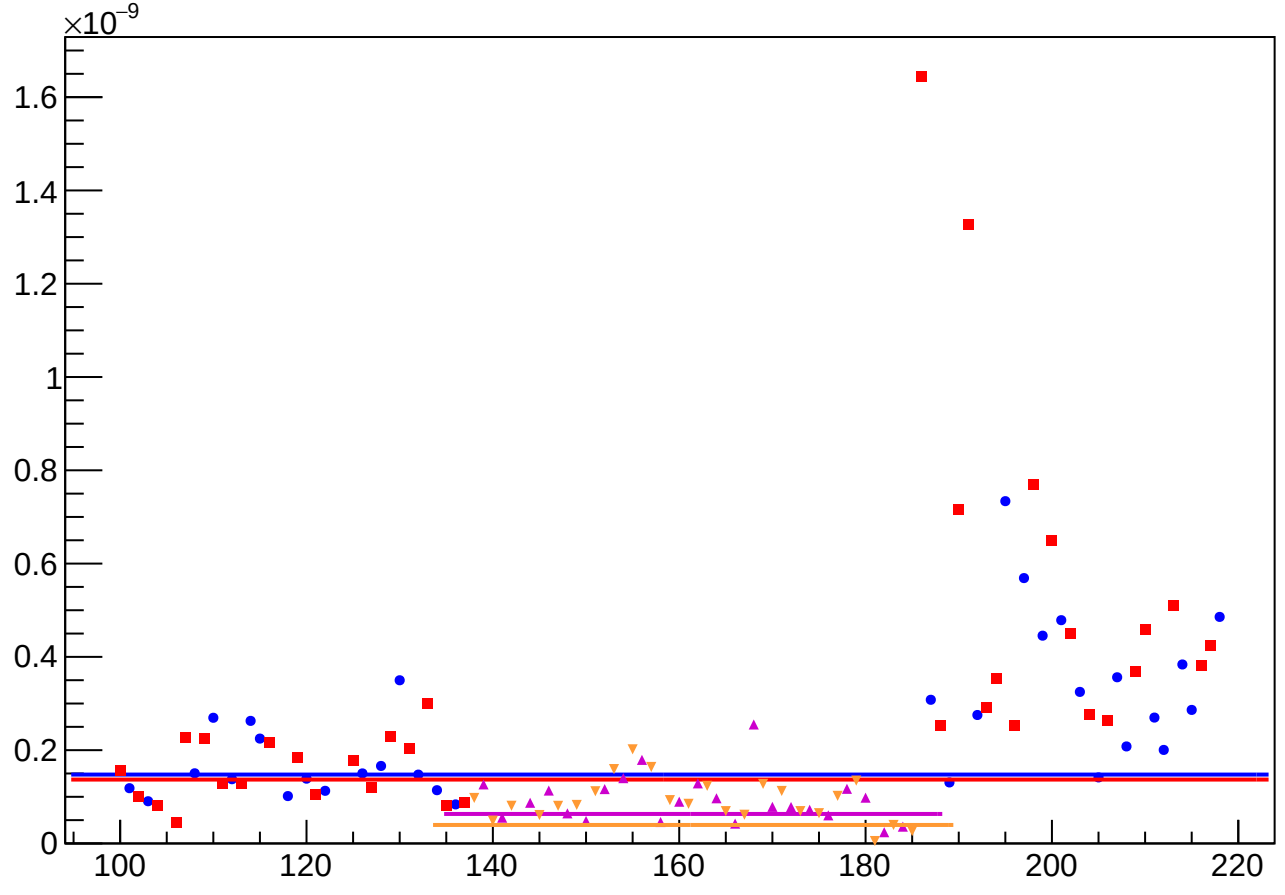
Left In: 0.000+/-0.000 χ^2/NDF:25.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 73.4/55

All: 0.000+/-0.000 χ^2/NDF: 152.7/113

- sign 0.000+/-0.000 χ^2/NDF: 77.8/57

asym_usl_atl2_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 4522422.6/31

Left Out: 0.000+/-0.000 χ^2/NDF:6954816.0/23

Right Out: 0.000+/-0.000 χ^2/NDF: 6771920.0/34

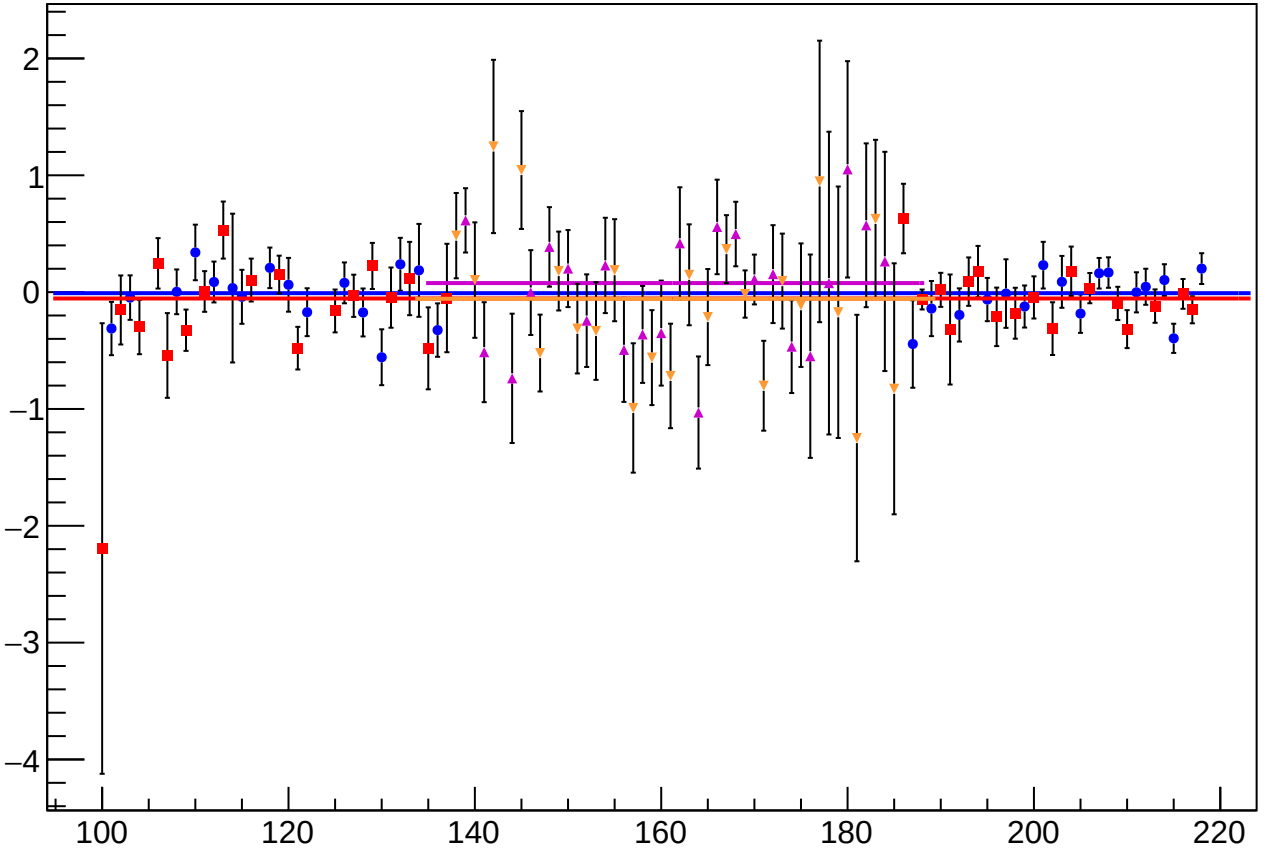
Left In: 0.000+/-0.000 χ^2/NDF:2922990.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 16885924.3/55

All: 0.000+/-0.000 χ^2/NDF: 30134643.4/113

- sign 0.000+/-0.000 χ^2/NDF: 12141909.2/57

asym_usl_atl2_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.009+/-0.033 χ^2/NDF: 38.1/31

Left Out: -0.057+/-0.085 χ^2/NDF:30.4/23

Right Out: -0.054+/-0.031 χ^2/NDF: 41.2/34

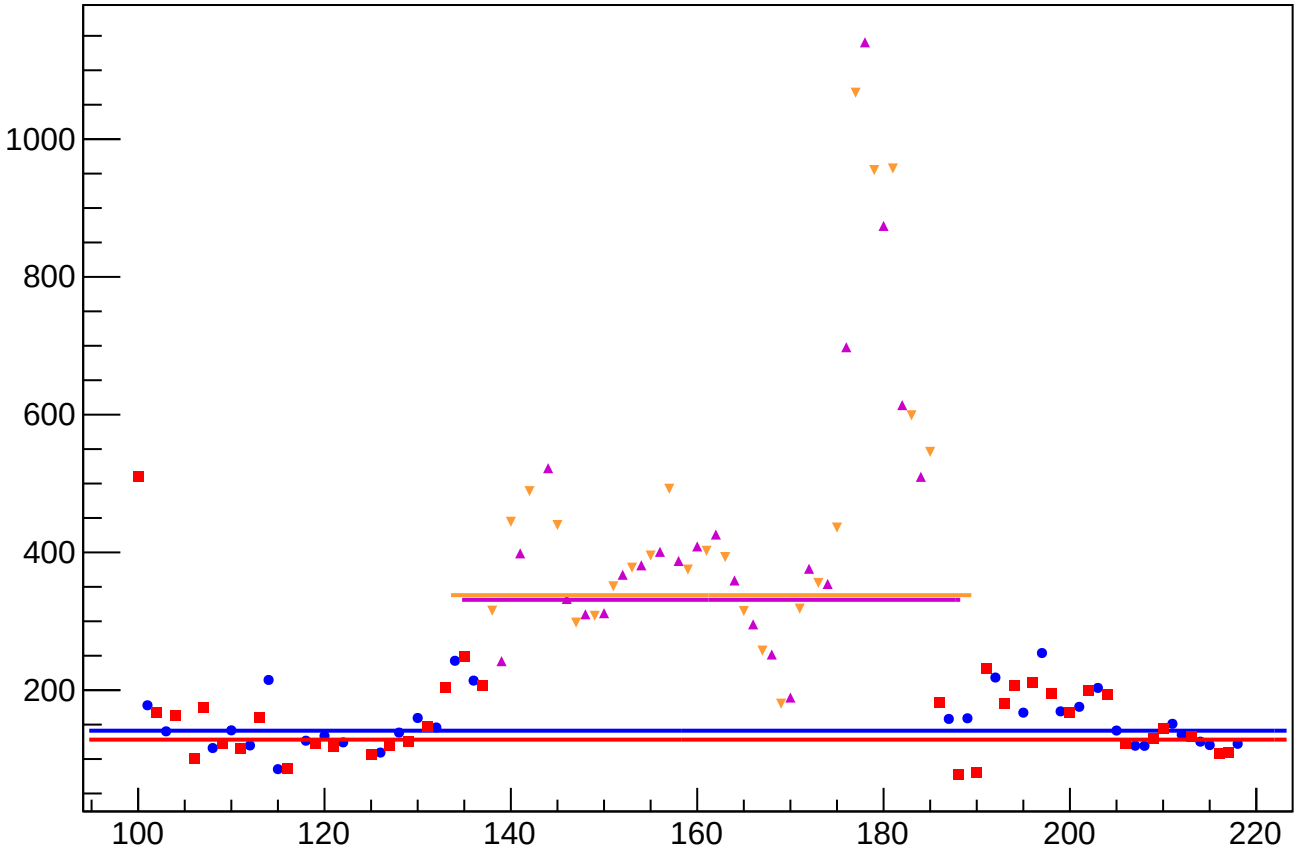
Left In: 0.077+/-0.083 χ^2/NDF:27.0/22

+ sign -0.015+/-0.031 χ^2/NDF: 68.7/55

All: -0.028+/-0.021 χ^2/NDF: 139.5/113

- sign -0.039+/-0.029 χ^2/NDF: 70.4/57

asym_usl_atl2_avg_dit_vs_cor_diff_rms vs Slug



Right In: 141.155+/-0.023 χ^2/NDF: 1795392.1/31

Left Out: 337.937+/-0.060 χ^2/NDF:4517129.8/23

Right Out: 128.180+/-0.022 χ^2/NDF: 3338514.0/34

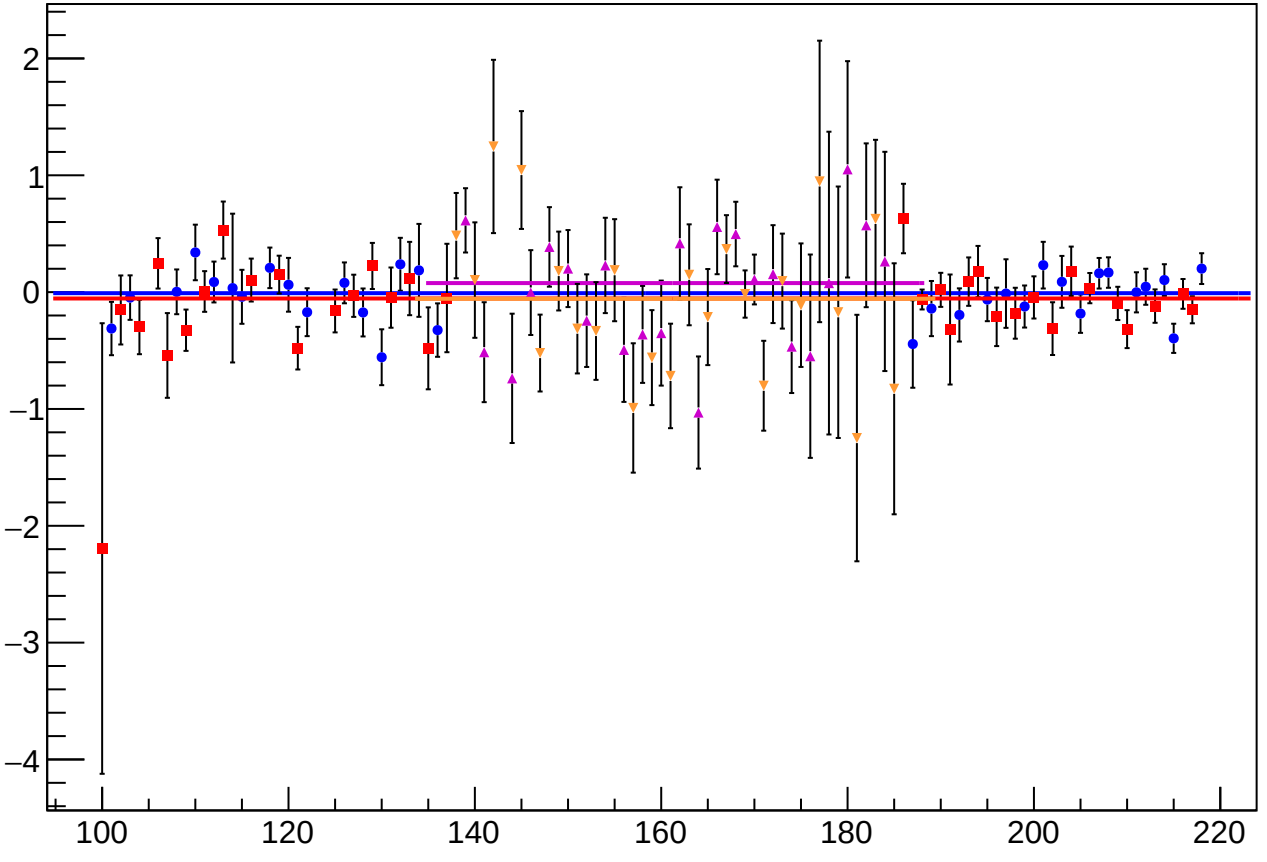
Left In: 331.158+/-0.059 χ^2/NDF:4106959.8/22

+ sign 166.948+/-0.022 χ^2/NDF: 15526693.1/55

All: 159.312+/-0.015 χ^2/NDF: 33616980.9/11

- sign 152.627+/-0.020 χ^2/NDF: 17861826.8/57

asym_usl_atl2_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.009+/-0.033 χ^2/NDF: 38.1/31

Left Out: -0.057+/-0.085 χ^2/NDF:30.4/23

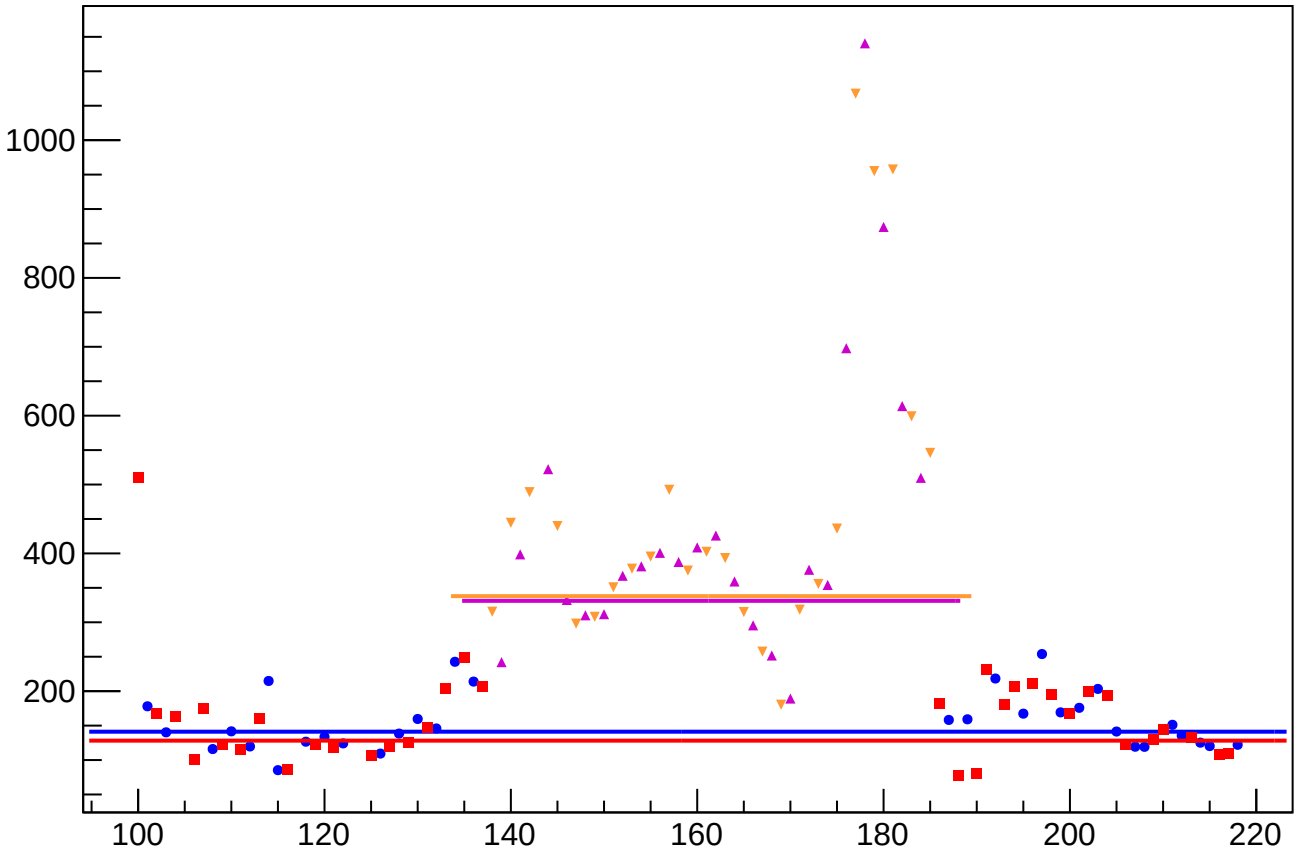
Right Out: -0.054+/-0.031 χ^2/NDF: 41.2/34

Left In: 0.077+/-0.083 χ^2/NDF:27.0/22

+ sign -0.015+/-0.031 χ^2/NDF: 68.7/55

All: -0.028+/-0.021 χ^2/NDF: 139.5/113

- sign -0.039+/-0.029 χ^2/NDF: 70.4/57



Right In: 141.155+/-0.023 χ^2/NDF: 1795392.1/31

Left Out: 337.937+/-0.060 χ^2/NDF:4517129.8/23

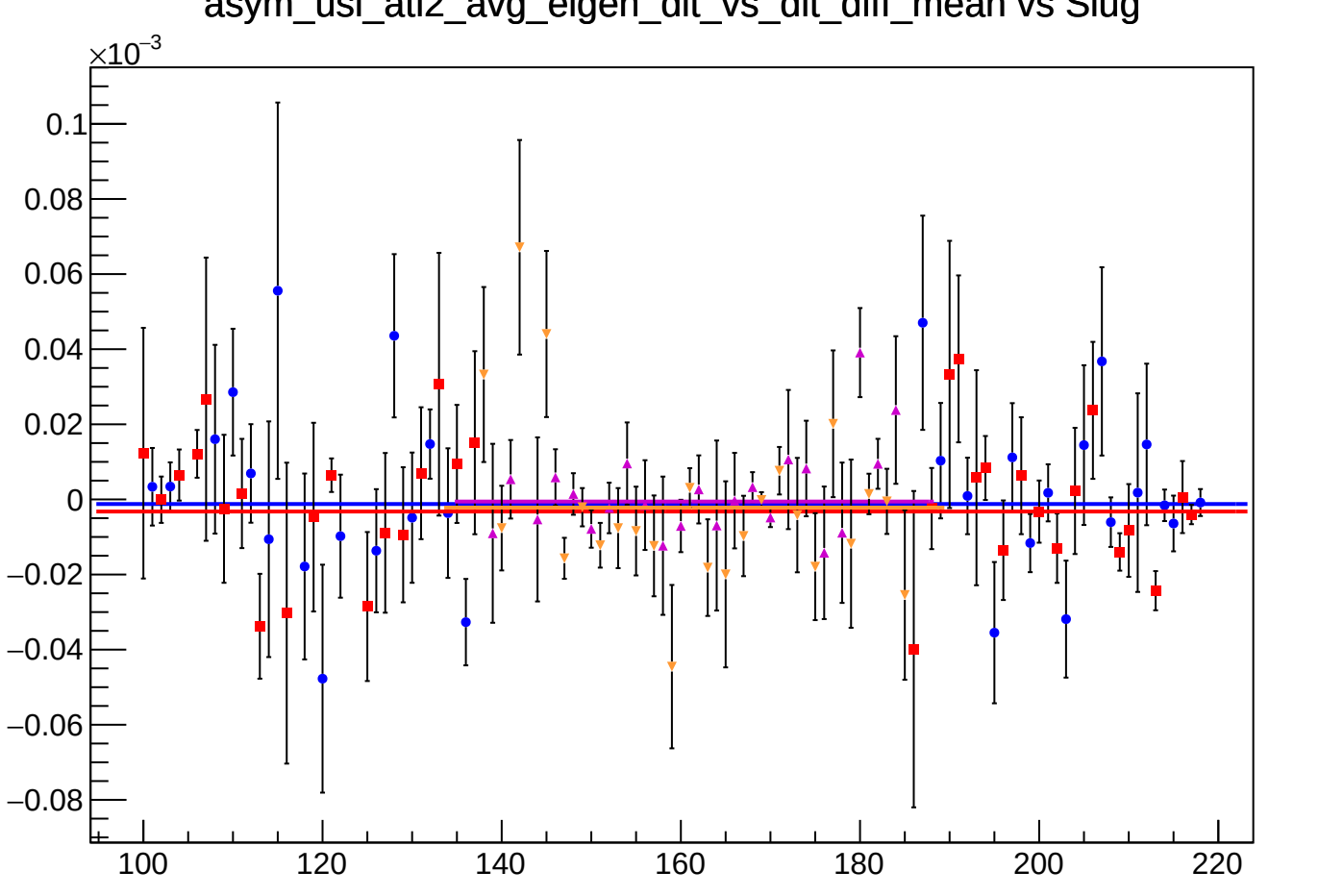
Right Out: 128.180+/-0.022 χ^2/NDF: 3338514.0/34

Left In: 331.158+/-0.059 χ^2/NDF:4106959.8/22

+ sign 166.948+/-0.022 χ^2/NDF: 15526693.1/55

All: 159.312+/-0.015 χ^2/NDF: 33616980.9/11

- sign 152.627+/-0.020 χ^2/NDF: 17861826.8/57



Right In: -0.000+/-0.000 χ^2/NDF: 42.3/31

Left Out: -0.000+/-0.000 χ^2/NDF:37.9/23

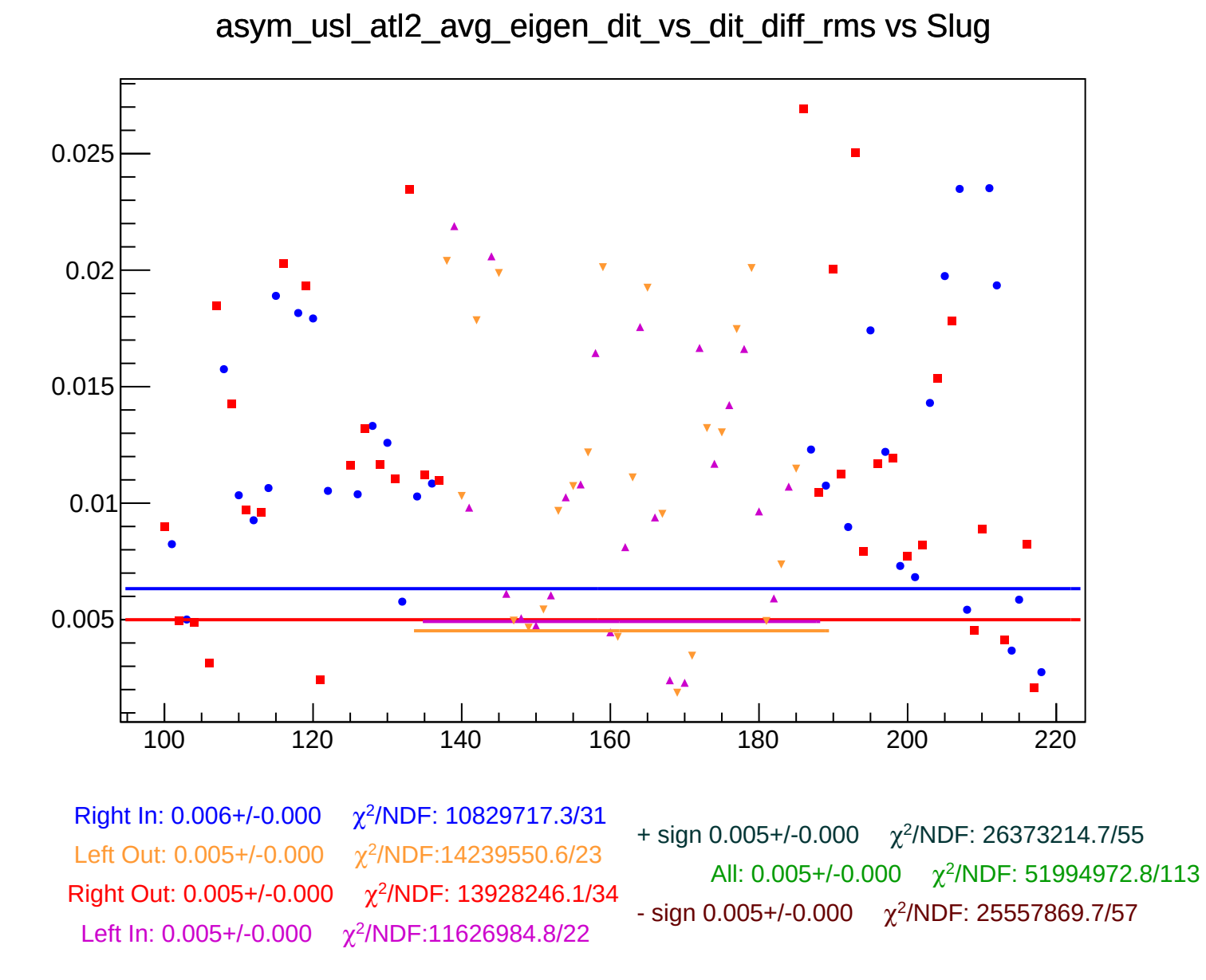
Right Out: -0.000+/-0.000 χ^2/NDF: 56.3/34

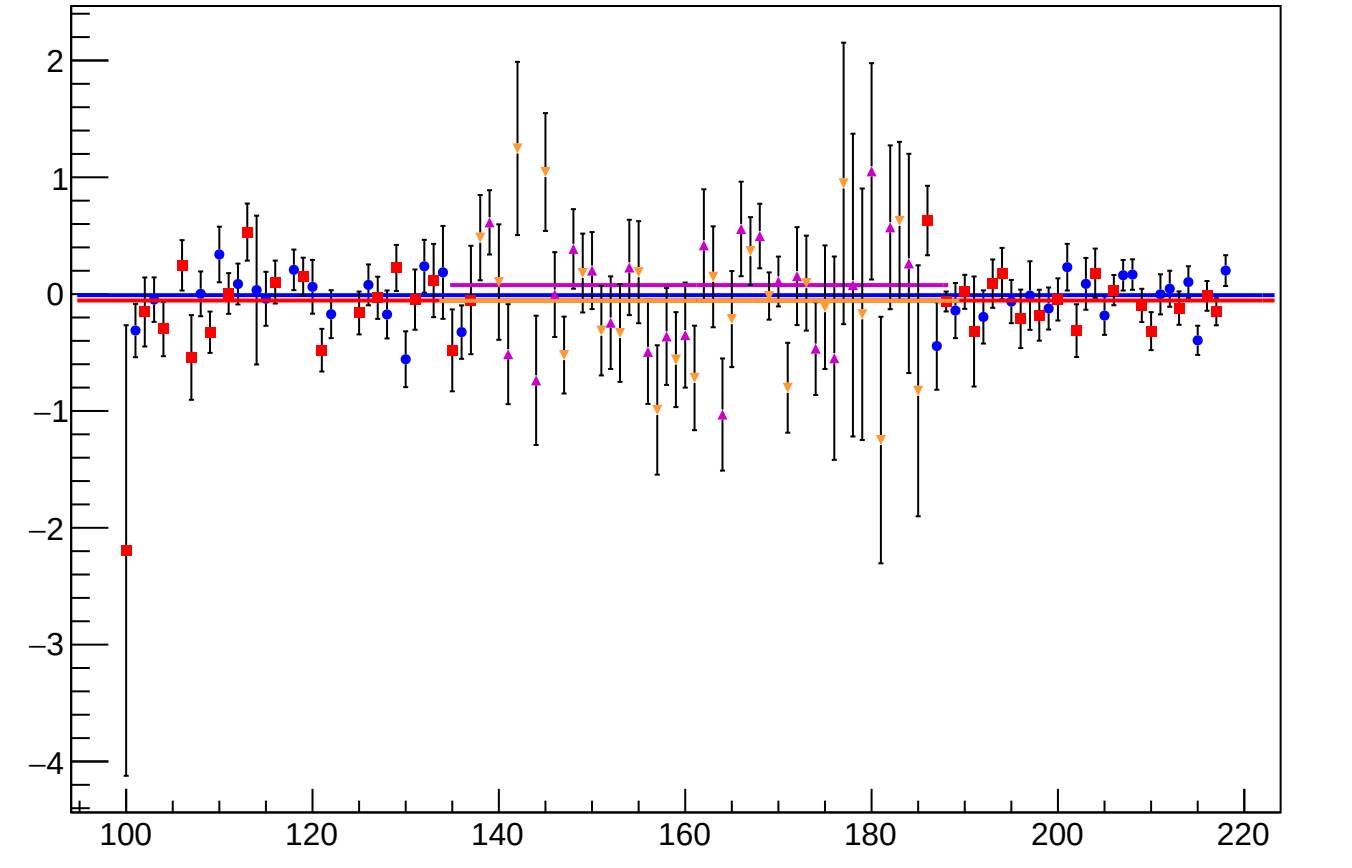
Left In: -0.000+/-0.000 χ^2/NDF:26.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 80.4/55

All: -0.000+/-0.000 χ^2/NDF: 164.5/113

- sign -0.000+/-0.000 χ^2/NDF: 84.1/57


asym_usl_atl2_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.025
0.02
0.015
0.01
0.005
100
120
140
160
180
200
220
Right In: 0.006+/-0.000 χ²/NDF: 10829717.3/31
Left Out: 0.005+/-0.000 χ²/NDF:14239550.6/23
Right Out: 0.005+/-0.000 χ²/NDF: 13928246.1/34
Left In: 0.005+/-0.000 χ²/NDF:11626984.8/22
+ sign 0.005+/-0.000 χ²/NDF: 26373214.7/55
All: 0.005+/-0.000 χ²/NDF: 51994972.8/113
- sign 0.005+/-0.000 χ²/NDF: 25557869.7/57



Right In: -0.009+/-0.033 χ^2/NDF: 38.1/31

Left Out: -0.057+/-0.085 χ^2/NDF:30.4/23

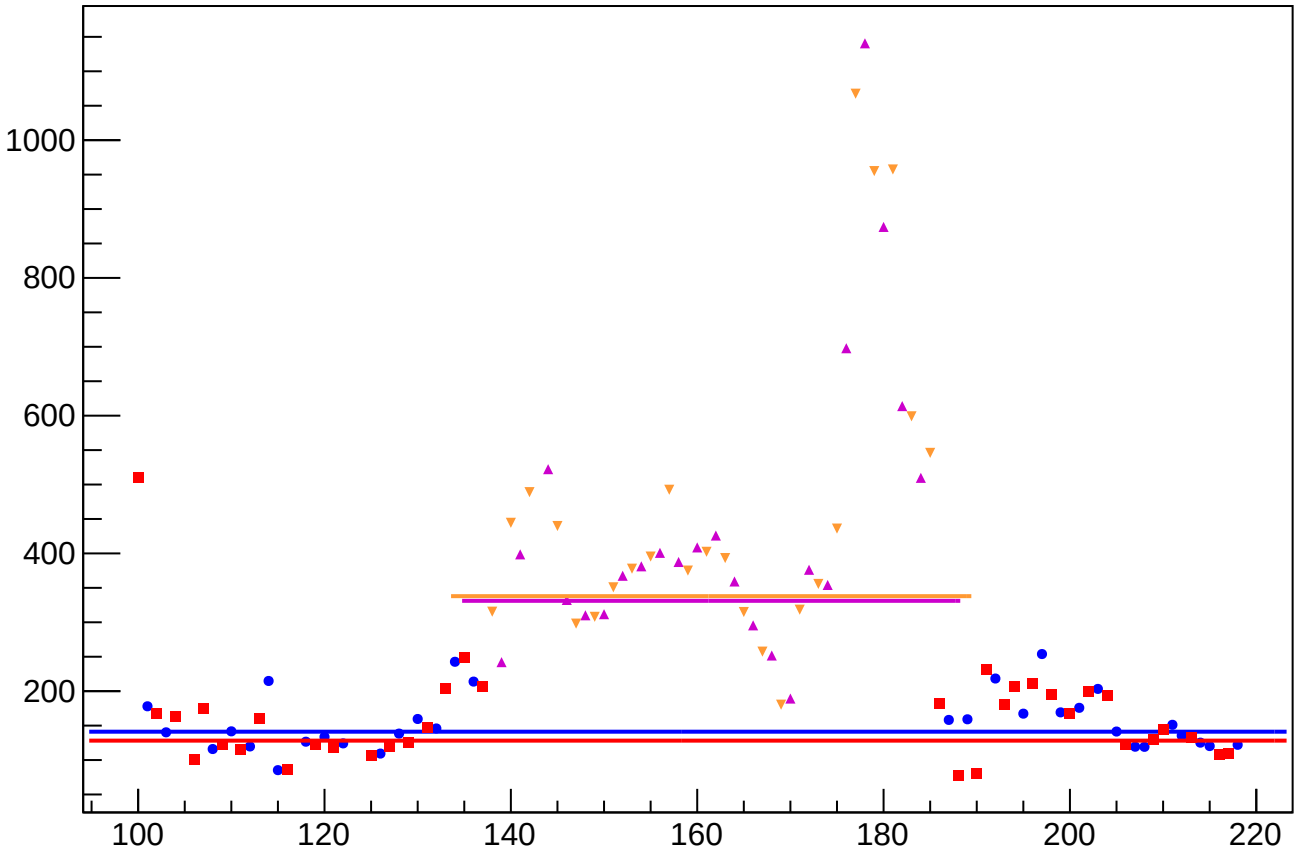
Right Out: -0.054+/-0.031 χ^2/NDF: 41.2/34

Left In: 0.077+/-0.083 χ^2/NDF:27.0/22

+ sign -0.015+/-0.031 χ^2/NDF: 68.7/55

All: -0.028+/-0.021 χ^2/NDF: 139.5/113

- sign -0.039+/-0.029 χ^2/NDF: 70.4/57



Right In: 141.155+/-0.023 χ^2/NDF: 1795386.2/31

Left Out: 337.939+/-0.060 χ^2/NDF:4517201.8/23

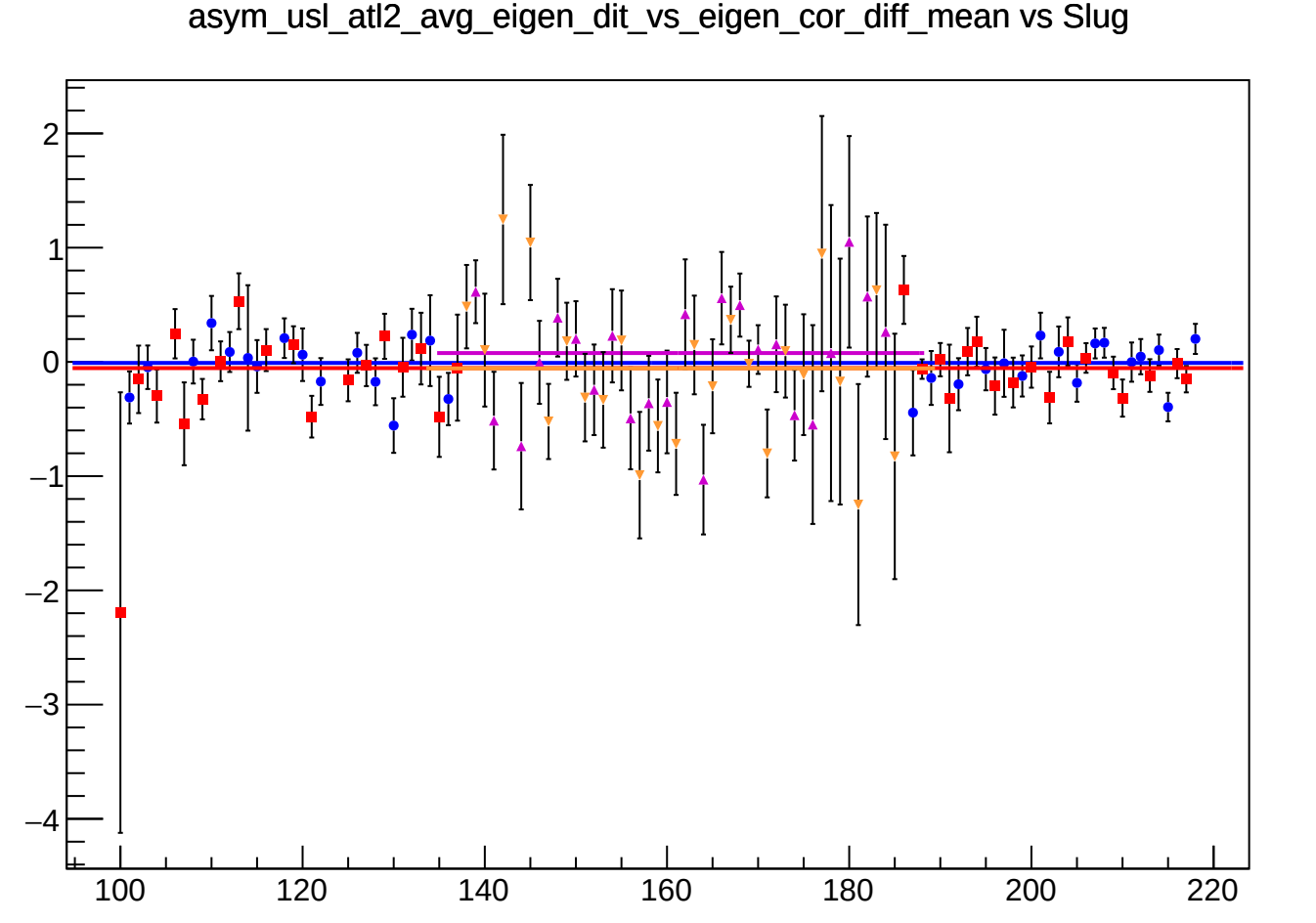
Right Out: 128.179+/-0.022 χ^2/NDF: 3338662.2/34

Left In: 331.161+/-0.059 χ^2/NDF:4106963.1/22

+ sign 166.948+/-0.022 χ^2/NDF: 15526802.7/55

All: 159.311+/-0.015 χ^2/NDF: 33617579.4/11

- sign 152.626+/-0.020 χ^2/NDF: 17862259.6/57



Right In: -0.009+/-0.033 χ^2/NDF: 38.1/31

Left Out: -0.057+/-0.085 χ^2/NDF:30.4/23

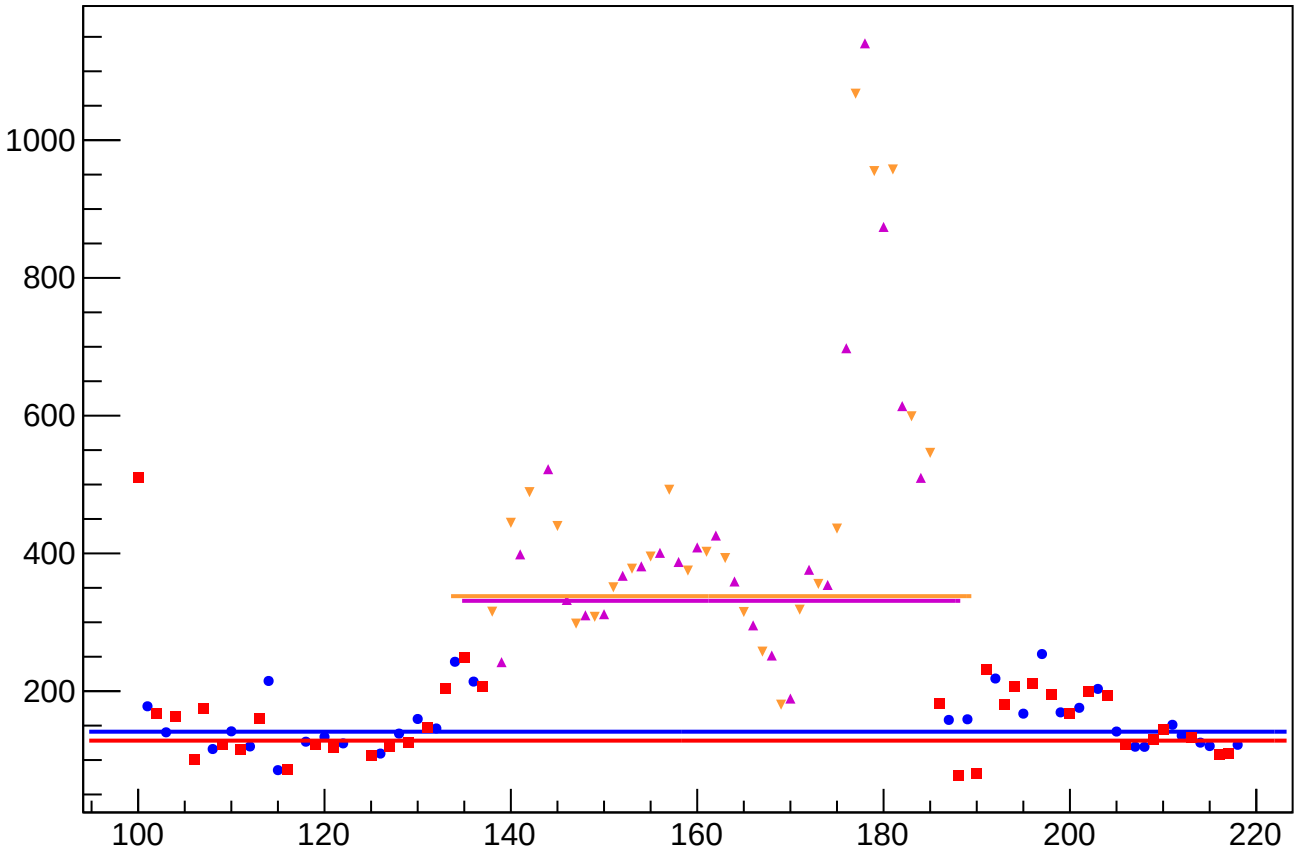
Right Out: -0.054+/-0.031 χ^2/NDF: 41.2/34

Left In: 0.077+/-0.083 χ^2/NDF:27.0/22

+ sign -0.015+/-0.031 χ^2/NDF: 68.7/55

All: -0.028+/-0.021 χ^2/NDF: 139.5/113

- sign -0.039+/-0.029 χ^2/NDF: 70.4/57



Right In: 141.155+/-0.023 χ^2/NDF: 1795386.2/31

Left Out: 337.939+/-0.060 χ^2/NDF:4517201.8/23

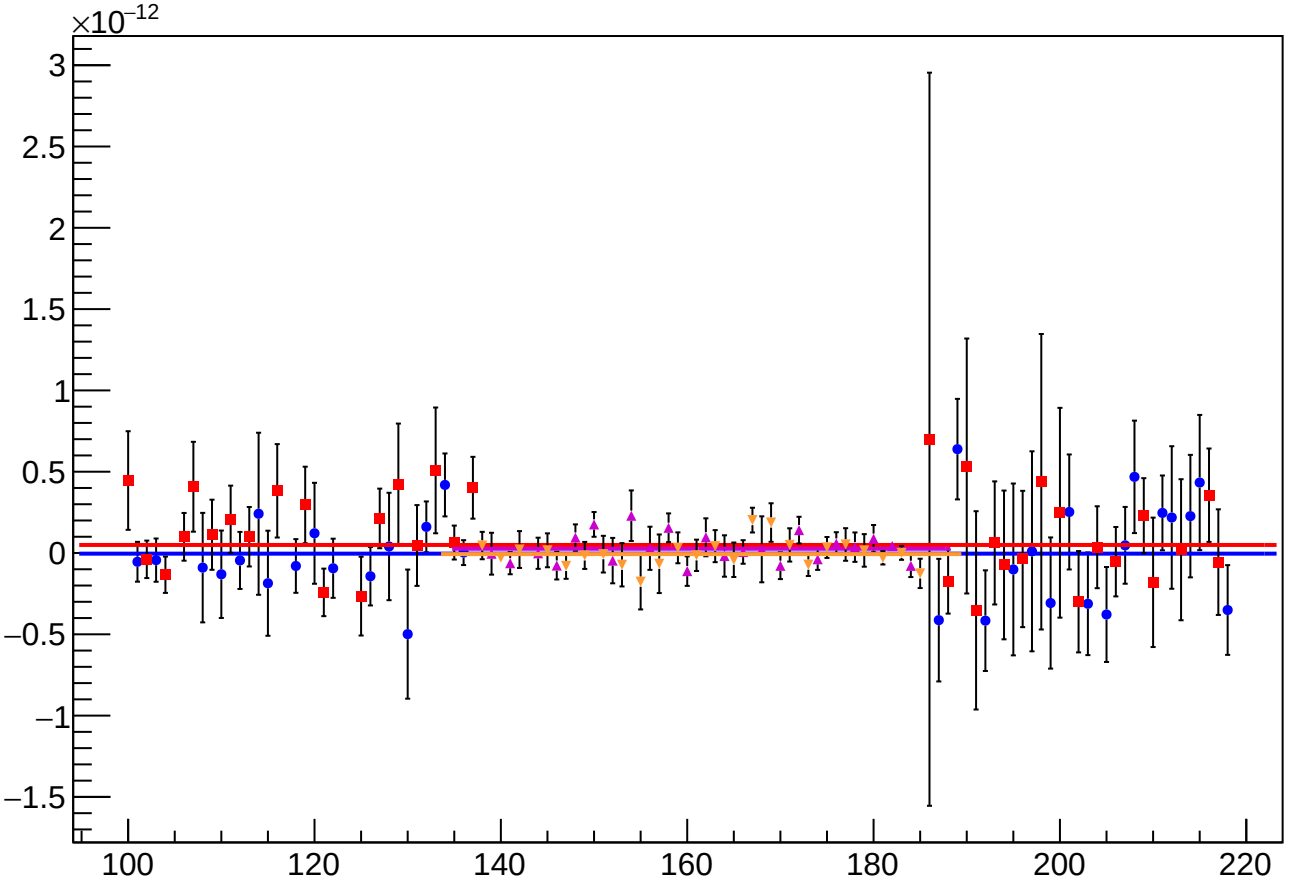
Right Out: 128.179+/-0.022 χ^2/NDF: 3338662.2/34

Left In: 331.161+/-0.059 χ^2/NDF:4106963.1/22

+ sign 166.948+/-0.022 χ^2/NDF: 15526802.7/55

All: 159.311+/-0.015 χ^2/NDF: 33617579.4/11

- sign 152.626+/-0.020 χ^2/NDF: 17862259.6/57



Right In: -0.000+/-0.000 χ^2/NDF: 27.2/31

Left Out: -0.000+/-0.000 χ^2/NDF:18.1/23

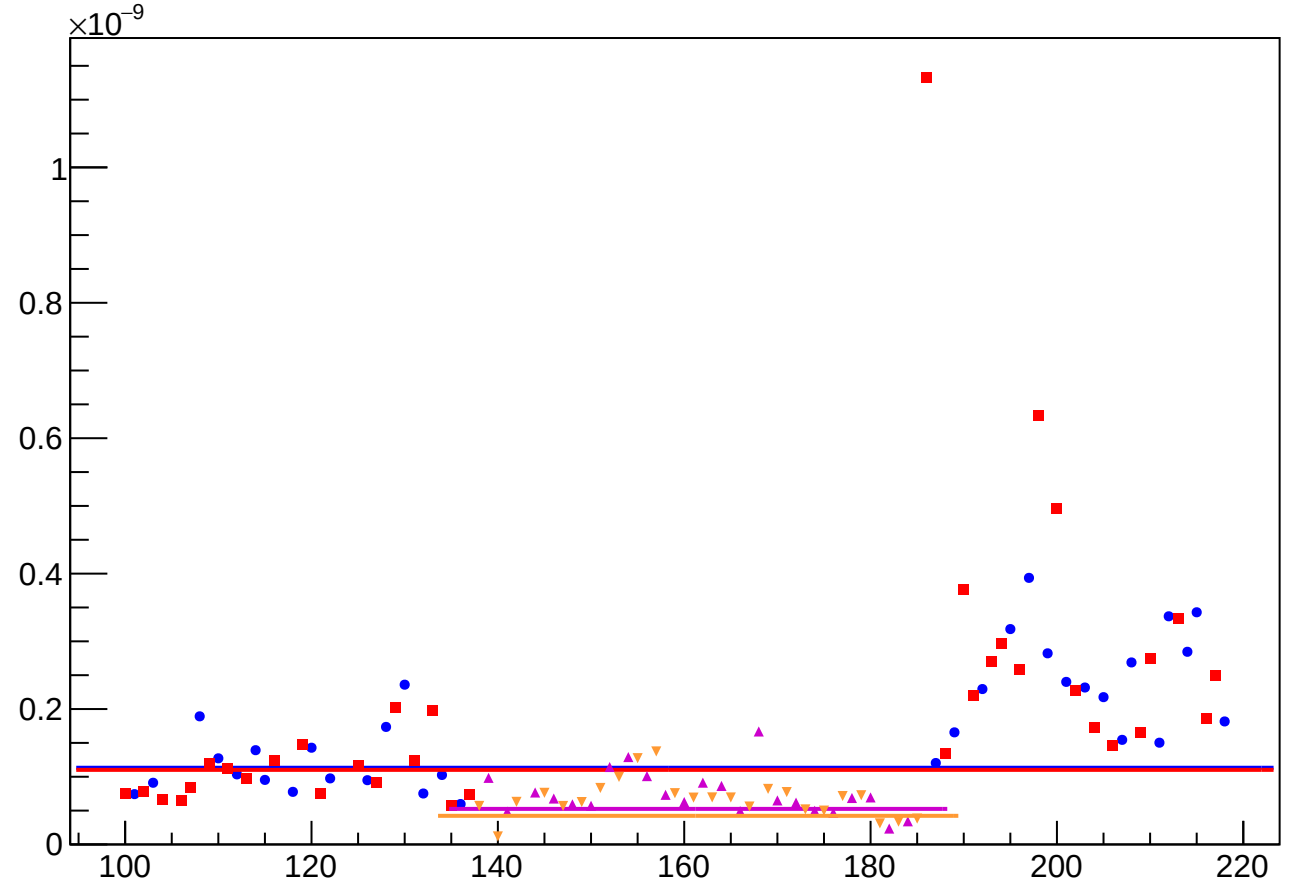
Right Out: 0.000+/-0.000 χ^2/NDF: 28.6/34

Left In: 0.000+/-0.000 χ^2/NDF:22.8/22

+ sign -0.000+/-0.000 χ^2/NDF: 45.4/55

All: 0.000+/-0.000 χ^2/NDF: 100.4/113

- sign 0.000+/-0.000 χ^2/NDF: 51.7/57



Right In: 0.000+/-0.000 χ^2/NDF: 6278554.1/31

Left Out: 0.000+/-0.000 χ^2/NDF:6680117.5/23

Right Out: 0.000+/-0.000 χ^2/NDF: 6717268.5/34

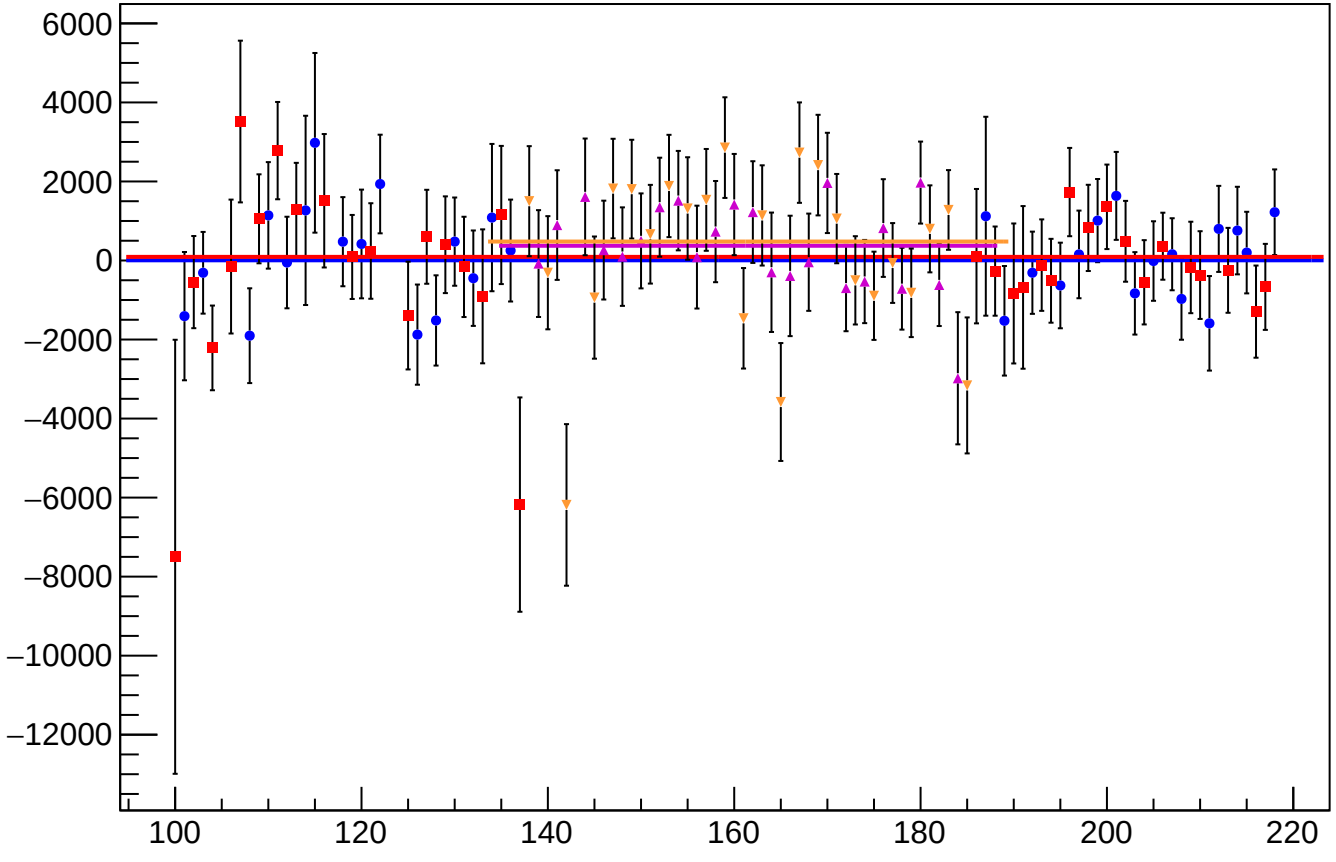
Left In: 0.000+/-0.000 χ^2/NDF:4897147.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 19134705.2/55

All: 0.000+/-0.000 χ^2/NDF: 35353401.8/113

- sign 0.000+/-0.000 χ^2/NDF: 15670331.2/57

reg_asym_usl_atl2_dd_mean vs Slug



Right In: 4.934+/-210.503 χ^2/NDF: 24.0/31

Left Out: 479.555+/-256.330 χ^2/NDF:45.2/23

Right Out: 91.590+/-209.787 χ^2/NDF: 32.2/34

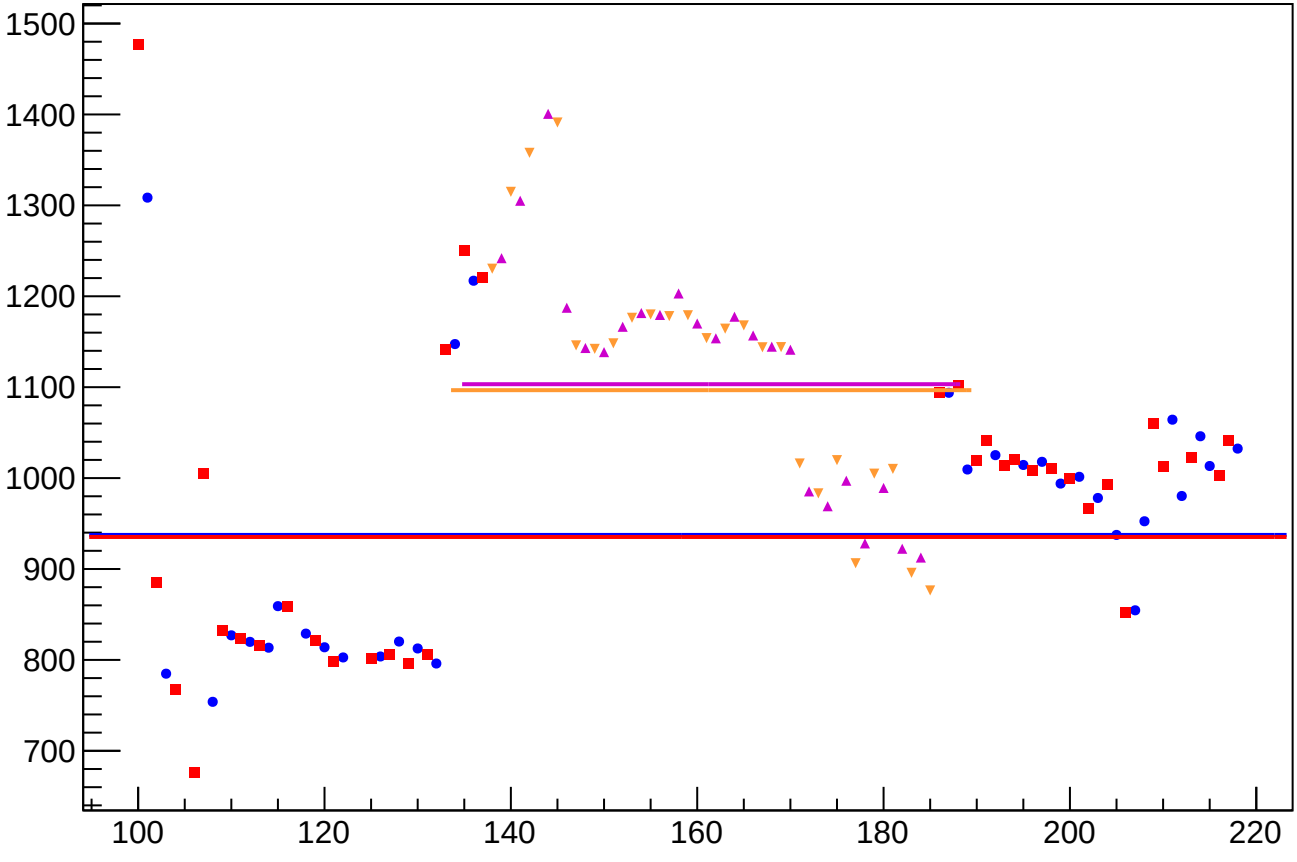
Left In: 372.926+/-259.314 χ^2/NDF:16.0/22

\+ sign 196.098+/-162.678 χ^2/NDF: 71.2/55

All: 199.481+/-115.179 χ^2/NDF: 120.1/113

\- sign 202.883+/-163.097 χ^2/NDF: 48.9/57

reg_asym_usl_atl2_dd_rms vs Slug



Right In: 937.481+/-0.149 χ^2/NDF: 661141.7/31

Left Out: 1096.711+/-0.181 χ^2/NDF:480498.6/23

Right Out: 935.241+/-0.148 χ^2/NDF: 684398.6/34

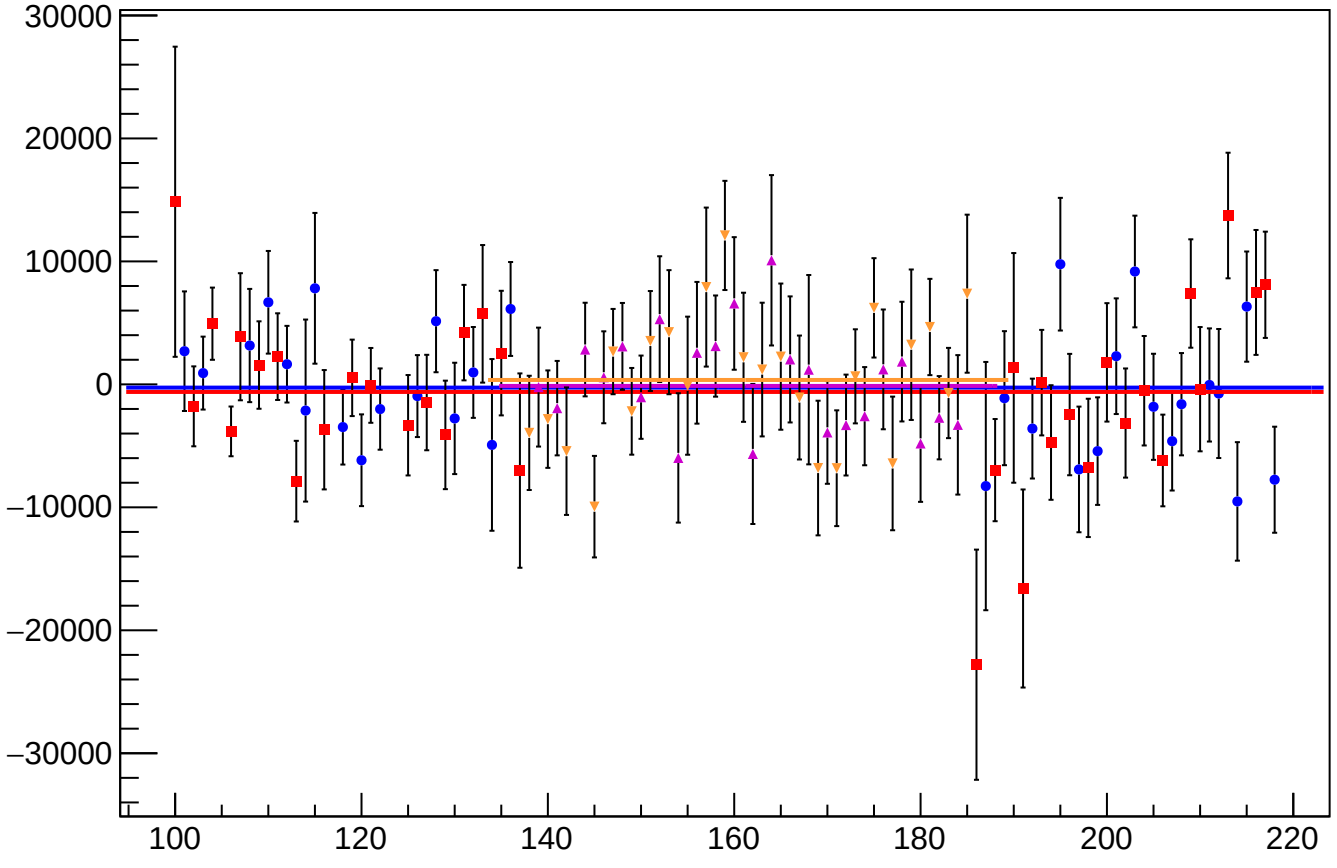
Left In: 1103.281+/-0.183 χ^2/NDF:447540.4/22

+ sign 1001.615+/-0.115 χ^2/NDF: 1602556.4/55

All: 1001.451+/-0.081 χ^2/NDF: 3244252.1/11

- sign 1001.288+/-0.115 χ^2/NDF: 1641691.7/57

asym_usl_atl2_dd_reg_correction_mean vs Slug



Right In: -263.988+/-752.701 χ^2/NDF: 38.1/31

Left Out: 357.729+/-934.220 χ^2/NDF:30.3/23

Right Out: -616.423+/-699.543 χ^2/NDF: 54.7/34

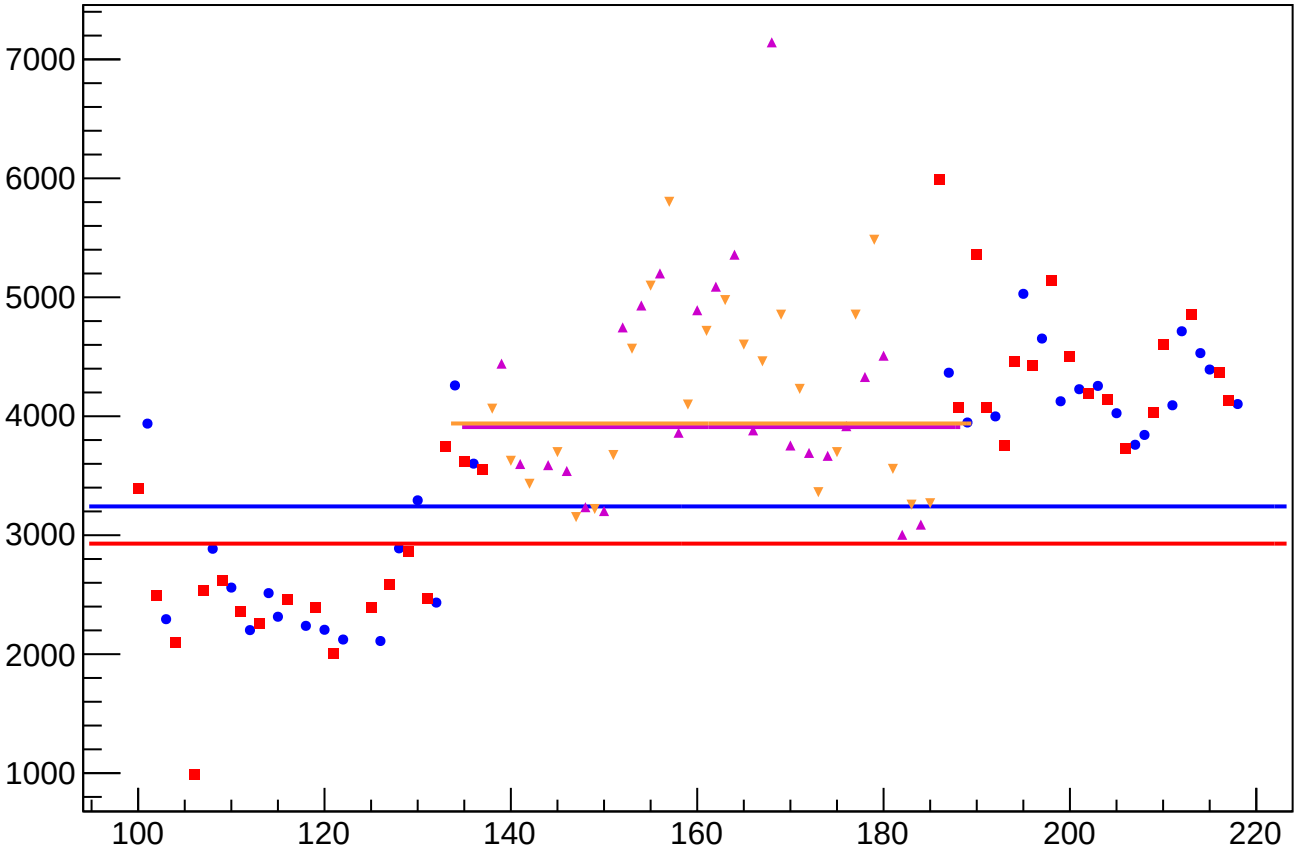
Left In: -126.696+/-932.645 χ^2/NDF:13.8/22

+ sign -19.262+/-586.128 χ^2/NDF: 68.6/55

All: -239.414+/-404.757 χ^2/NDF: 137.5/113

- sign -440.102+/-559.617 χ^2/NDF: 68.6/57

asym_usl_atl2_dd_reg_correction_rms vs Slug



Right In: 3242.021+/-0.532 χ^2/NDF: 3090398.5/31

Left Out: 3939.261+/-0.661 χ^2/NDF:1092666.9/23

Right Out: 2929.261+/-0.495 χ^2/NDF: 5522501.9/34

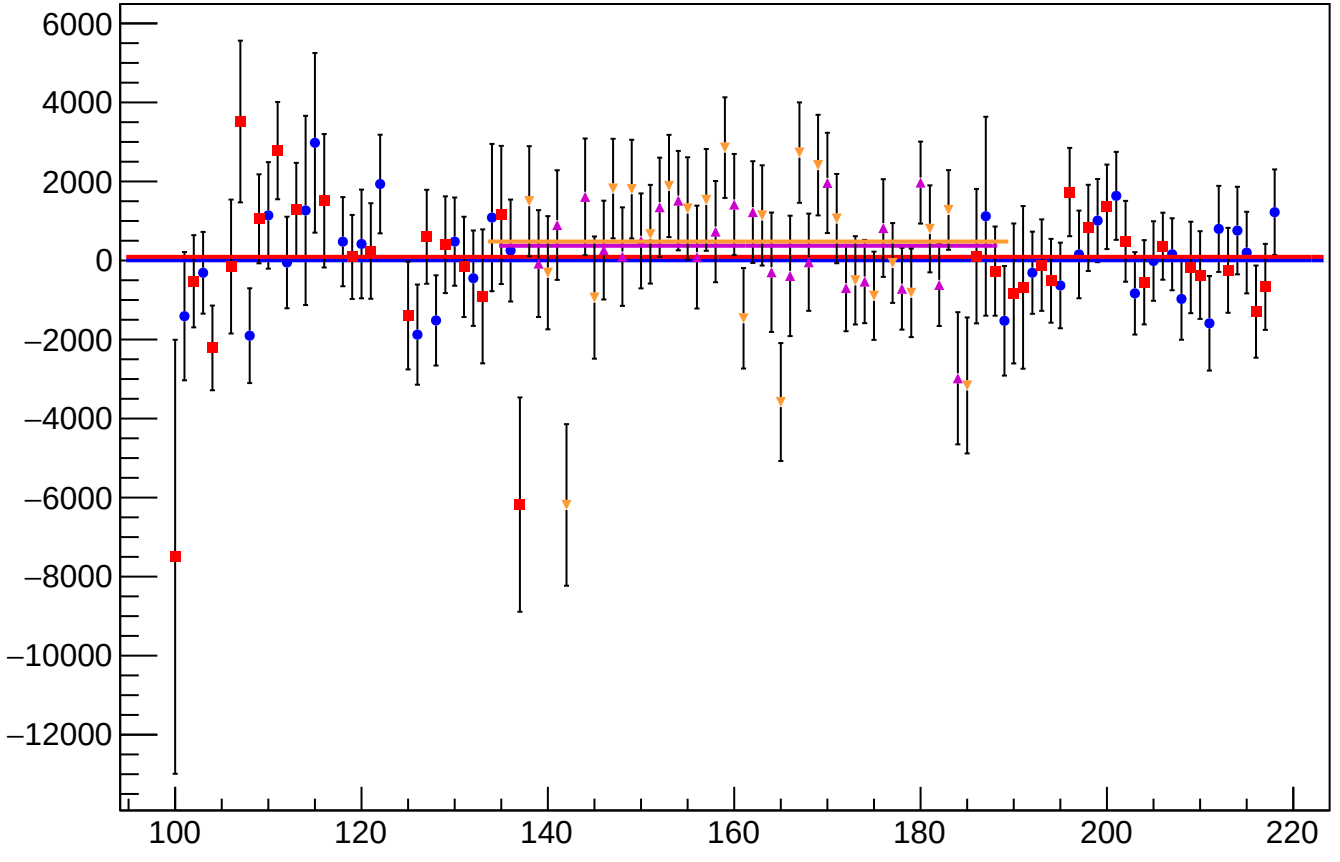
Left In: 3909.133+/-0.659 χ^2/NDF:1300774.2/22

+ sign 3516.474+/-0.414 χ^2/NDF: 4858582.1/55

All: 3393.842+/-0.286 χ^2/NDF: 13262043.9/1

- sign 3282.053+/-0.396 χ^2/NDF: 8236104.7/57

cor_asym_usl_atl2_dd_mean vs Slug



Right In: 4.936+/-210.503 χ^2/NDF: 24.0/31

Left Out: 479.583+/-256.330 χ^2/NDF:45.2/23

Right Out: 92.294+/-209.789 χ^2/NDF: 32.1/34

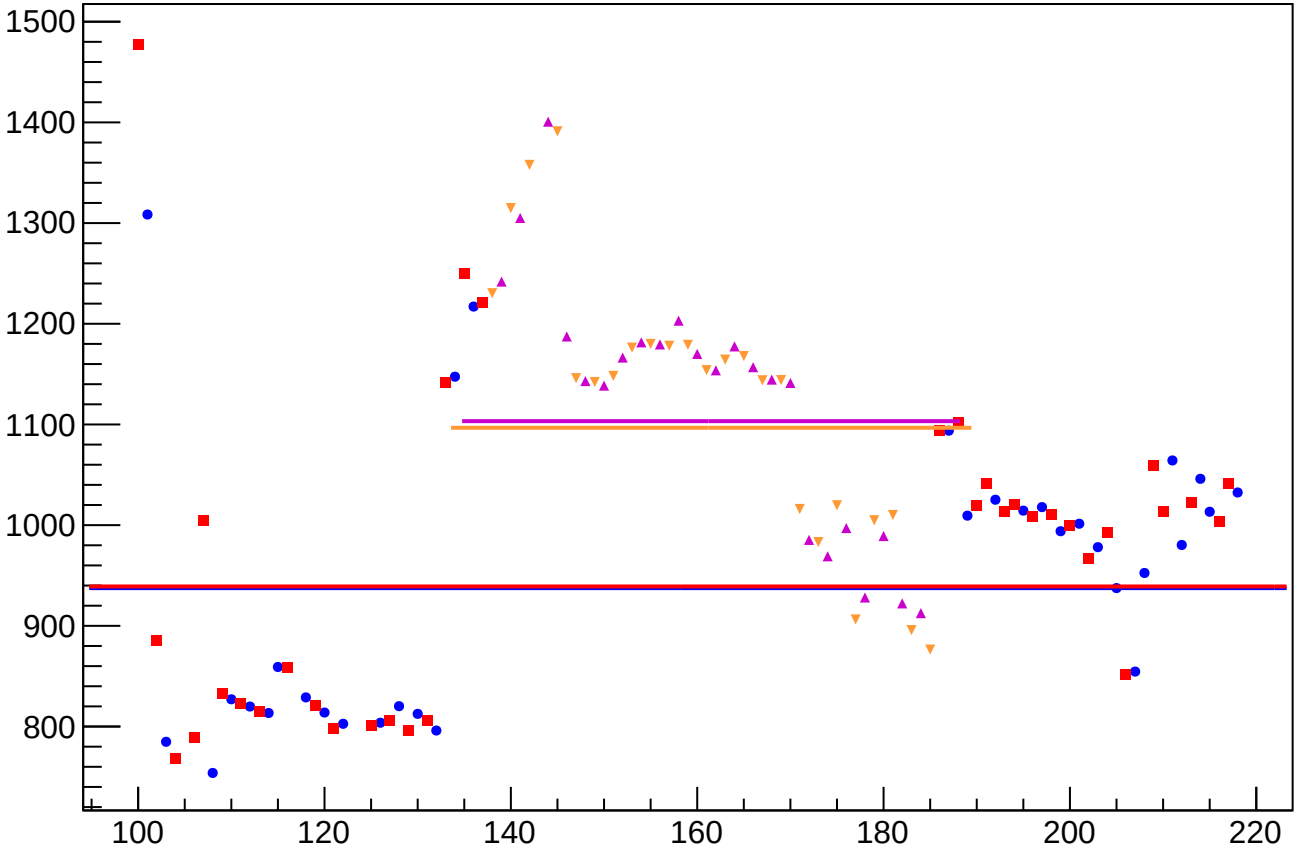
Left In: 372.901+/-259.314 χ^2/NDF:16.0/22

+ sign 196.110+/-162.678 χ^2/NDF: 71.2/55

All: 199.695+/-115.179 χ^2/NDF: 120.1/113

- sign 203.299+/-163.098 χ^2/NDF: 48.9/57

cor_asym_usl_atl2_dd_rms vs Slug



Right In: 937.481+/-0.149 χ^2/NDF: 661141.5/31

Left Out: 1096.711+/-0.181 χ^2/NDF:480498.6/23

Right Out: 939.098+/-0.148 χ^2/NDF: 623186.5/34

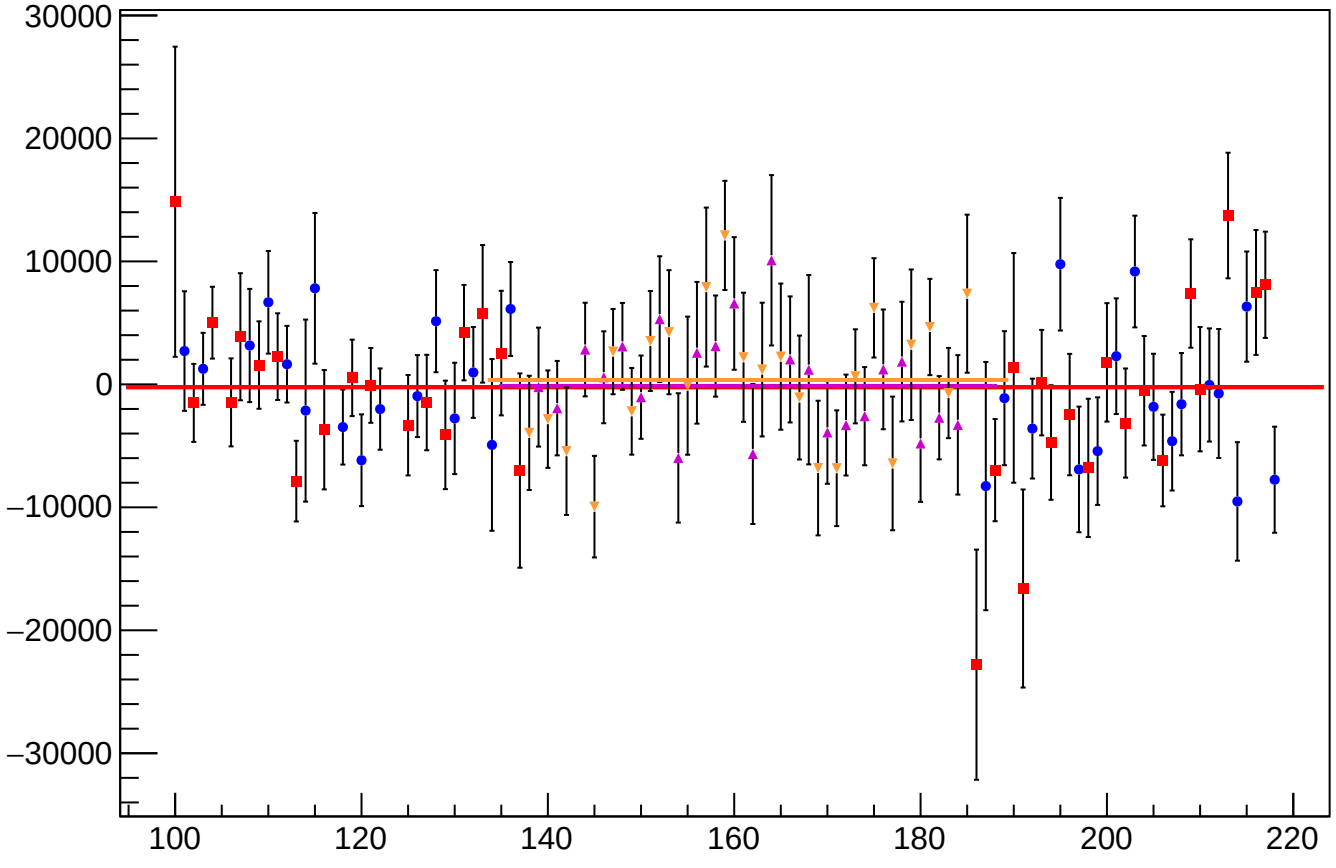
Left In: 1103.281+/-0.183 χ^2/NDF:447540.3/22

+ sign 1001.615+/-0.115 χ^2/NDF: 1602556.4/55

All: 1002.743+/-0.081 χ^2/NDF: 3158898.3/11

- sign 1003.874+/-0.115 χ^2/NDF: 1556149.2/57

asym_usl_atl2_dd_cor_correction_mean vs Slug



Right In: -238.757+/-752.053 χ^2/NDF: 38.2/31

Left Out: 357.728+/-934.221 χ^2/NDF:30.3/23

Right Out: -214.171+/-728.752 χ^2/NDF: 52.0/34

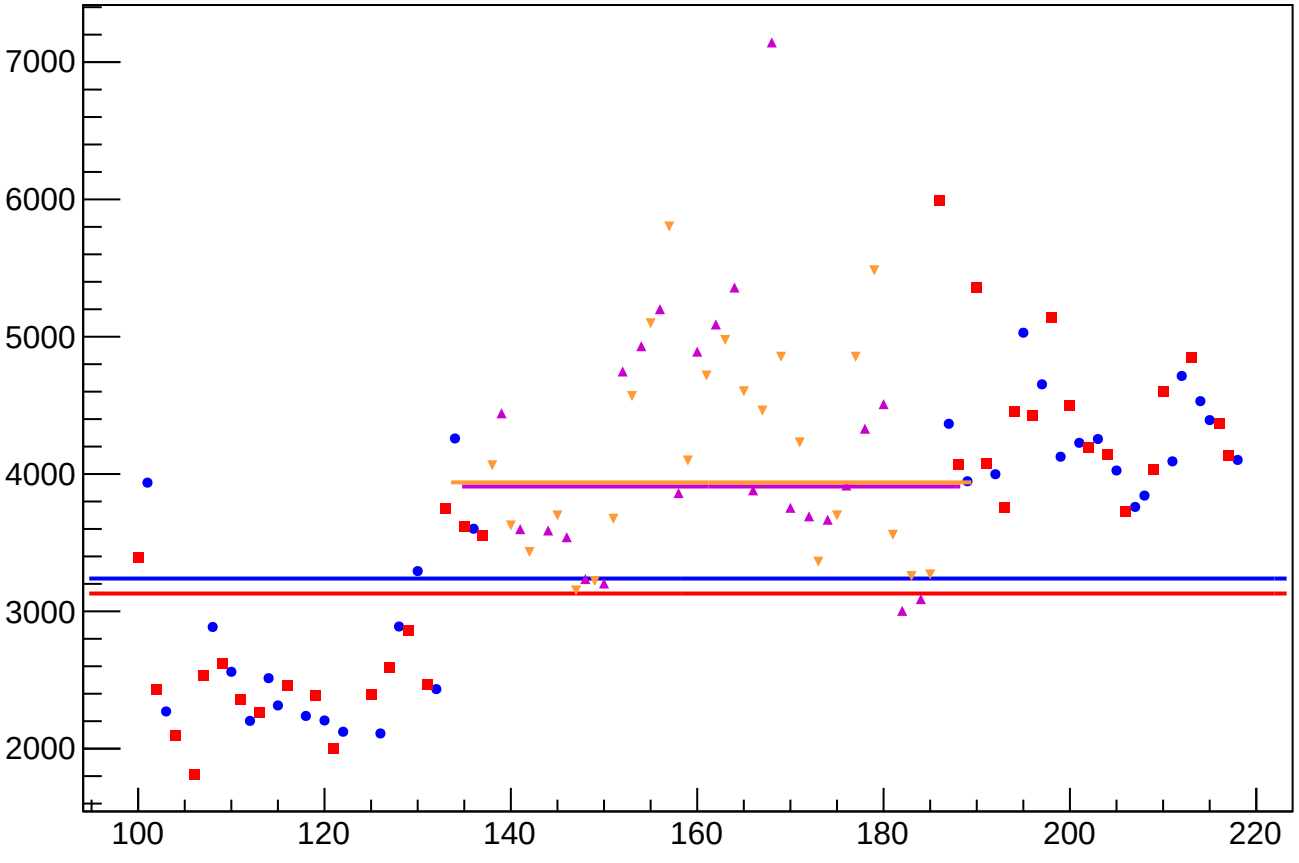
Left In: -126.635+/-932.644 χ^2/NDF:13.8/22

+ sign -4.209+/-585.822 χ^2/NDF: 68.7/55

All: -94.363+/-410.082 χ^2/NDF: 134.5/113

- sign -180.986+/-574.238 χ^2/NDF: 65.8/57

asym_usl_atl2_dd_cor_correction_rms vs Slug



Right In: 3238.860+/-0.532 χ^2/NDF: 3106046.6/31

Left Out: 3939.266+/-0.661 χ^2/NDF:1092657.5/23

Right Out: 3129.854+/-0.515 χ^2/NDF: 3738841.5/34

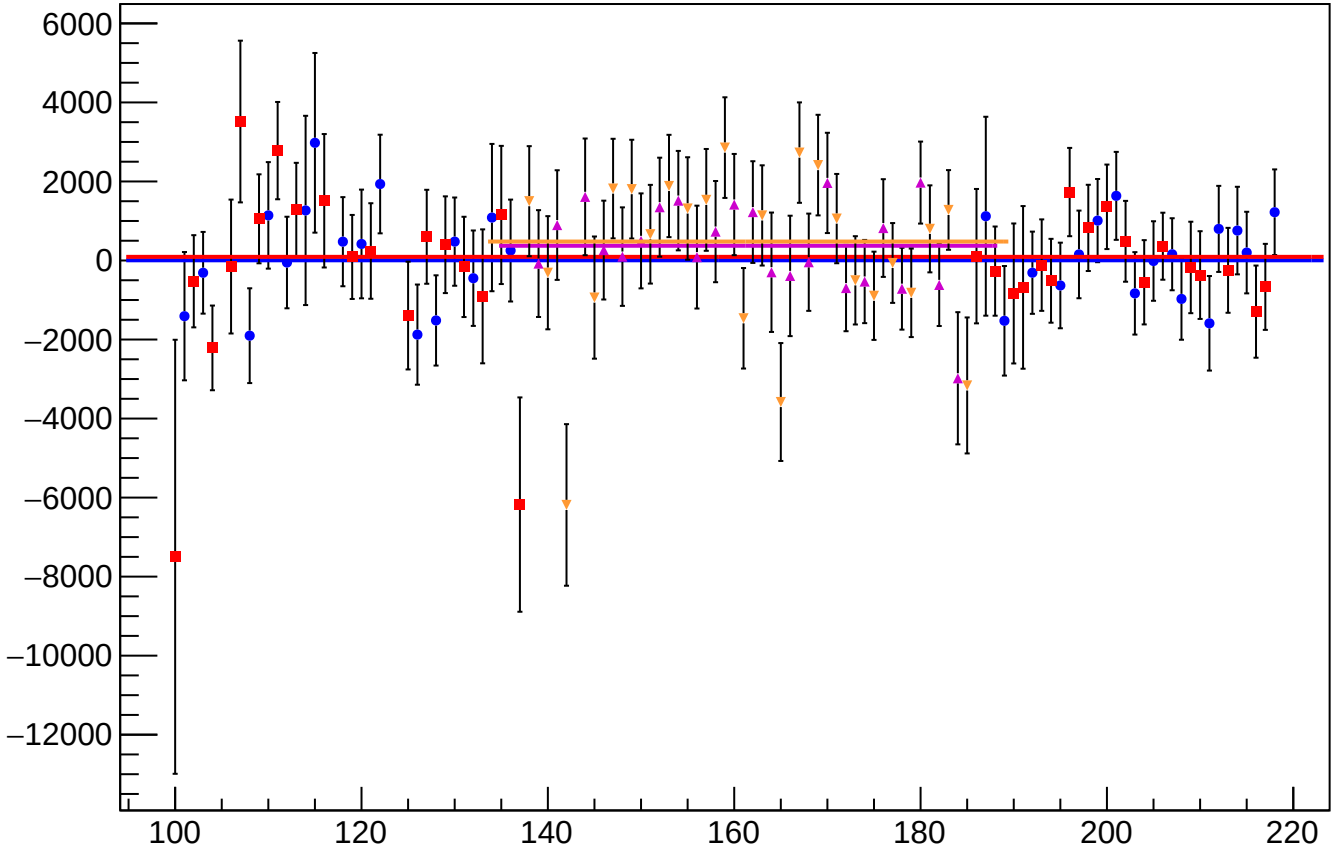
Left In: 3909.128+/-0.659 χ^2/NDF:1300782.7/22

+ sign 3514.271+/-0.414 χ^2/NDF: 4880829.9/55

All: 3468.884+/-0.290 χ^2/NDF: 10810957.7/1

- sign 3425.275+/-0.406 χ^2/NDF: 5906588.4/57

eigen_cor_asym_usl_atl2_dd_mean vs Slug



Right In: 4.936+/-210.503 χ^2/NDF: 24.0/31

Left Out: 479.583+/-256.330 χ^2/NDF:45.2/23

Right Out: 92.294+/-209.789 χ^2/NDF: 32.1/34

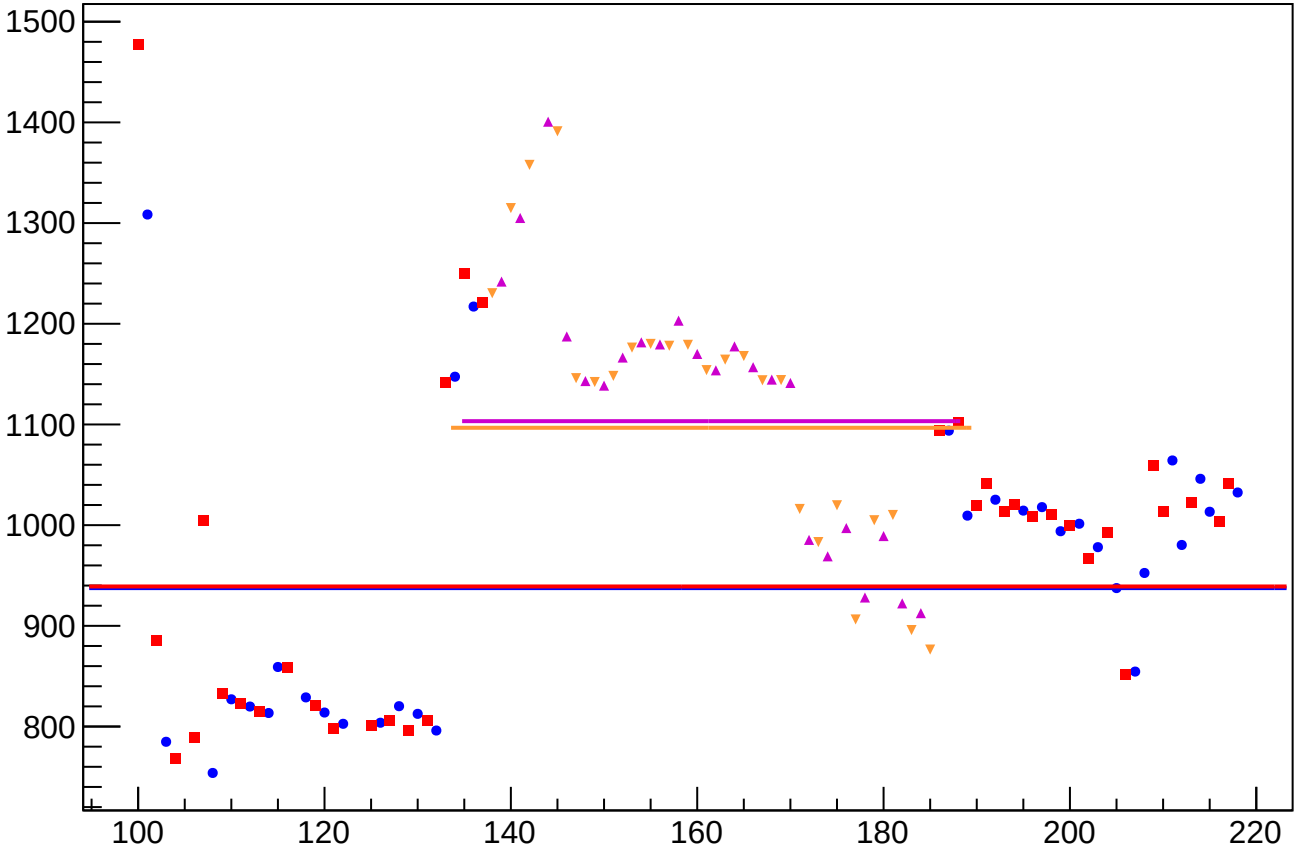
Left In: 372.901+/-259.314 χ^2/NDF:16.0/22

+ sign 196.110+/-162.678 χ^2/NDF: 71.2/55

All: 199.695+/-115.179 χ^2/NDF: 120.1/113

- sign 203.299+/-163.098 χ^2/NDF: 48.9/57

eigen_cor_asym_usl_atl2_dd_rms vs Slug



Right In: 937.481+/-0.149 χ^2/NDF: 661141.5/31

Left Out: 1096.711+/-0.181 χ^2/NDF:480498.6/23

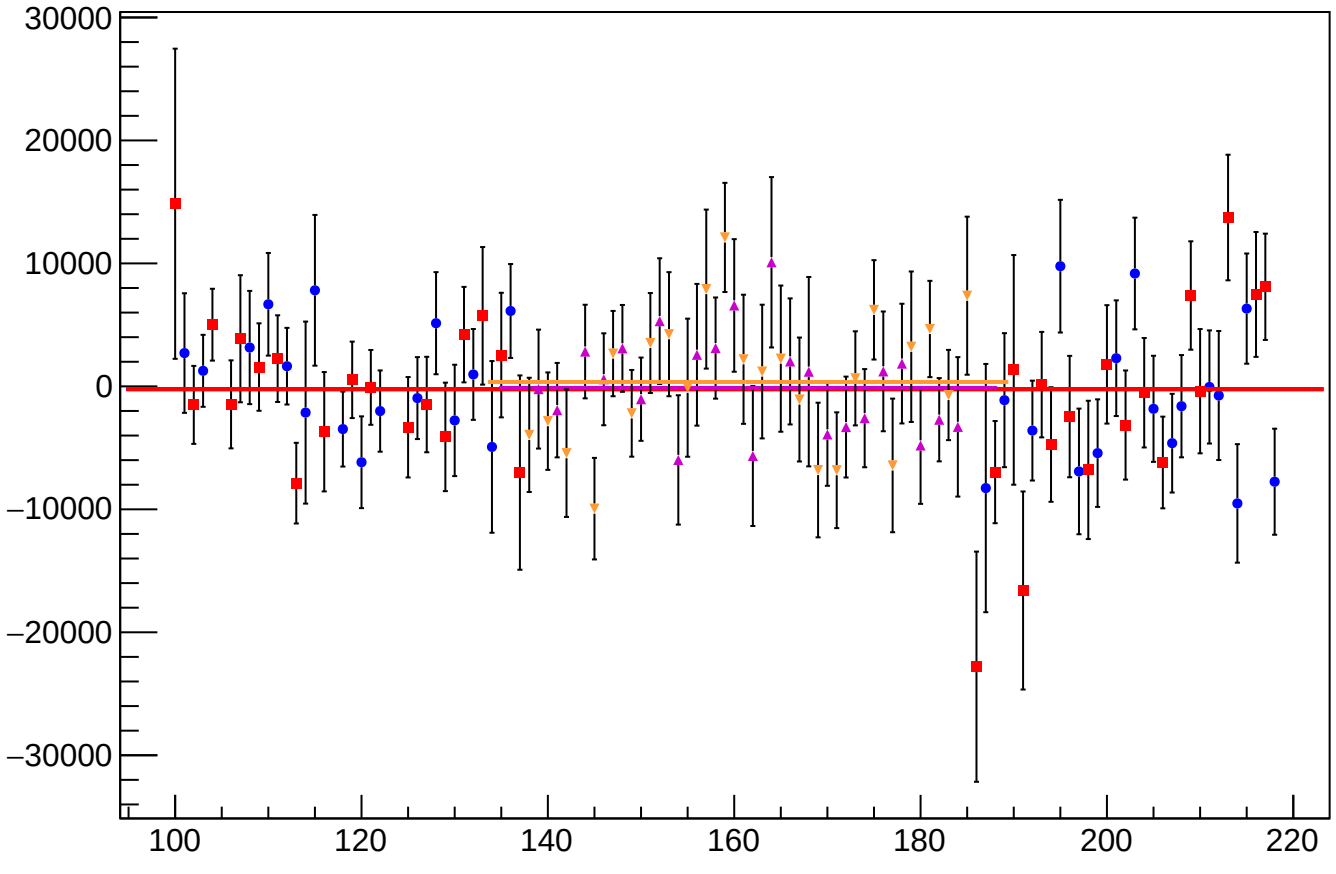
Right Out: 939.098+/-0.148 χ^2/NDF: 623186.5/34

Left In: 1103.281+/-0.183 χ^2/NDF:447540.3/22

+ sign 1001.615+/-0.115 χ^2/NDF: 1602556.4/55

All: 1002.743+/-0.081 χ^2/NDF: 3158898.3/11

- sign 1003.874+/-0.115 χ^2/NDF: 1556149.2/57



Right In: -238.757+/-752.053 χ^2/NDF: 38.2/31

Left Out: 357.728+/-934.221 χ^2/NDF:30.3/23

Right Out: -214.171+/-728.752 χ^2/NDF: 52.0/34

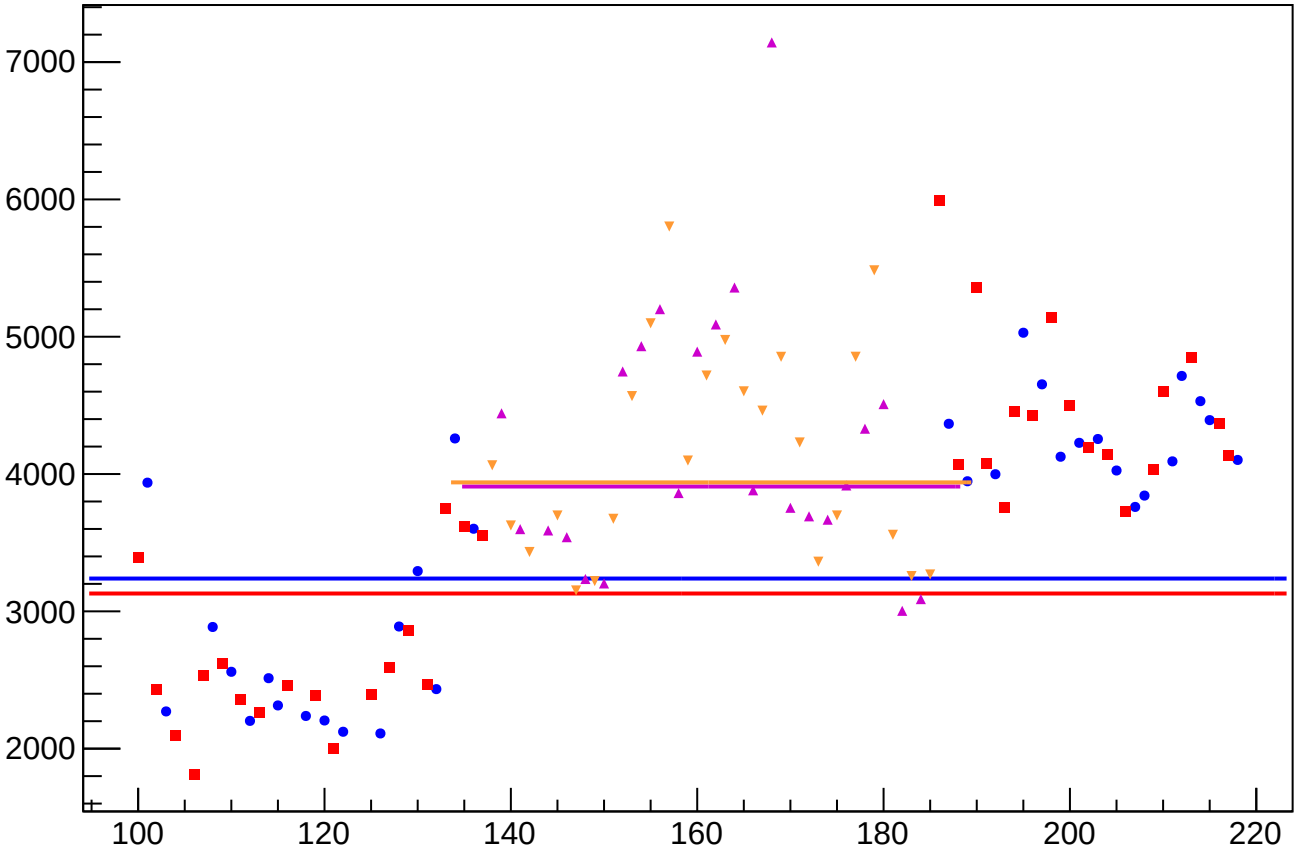
Left In: -126.635+/-932.644 χ^2/NDF:13.8/22

+ sign -4.209+/-585.822 χ^2/NDF: 68.7/55

All: -94.363+/-410.082 χ^2/NDF: 134.5/113

- sign -180.986+/-574.238 χ^2/NDF: 65.8/57

asym_usl_atl2_dd_eigen_cor_correction_rms vs Slug



Right In: 3238.860+/-0.532 χ^2/NDF: 3106046.6/31

Left Out: 3939.266+/-0.661 χ^2/NDF:1092657.5/23

Right Out: 3129.854+/-0.515 χ^2/NDF: 3738841.5/34

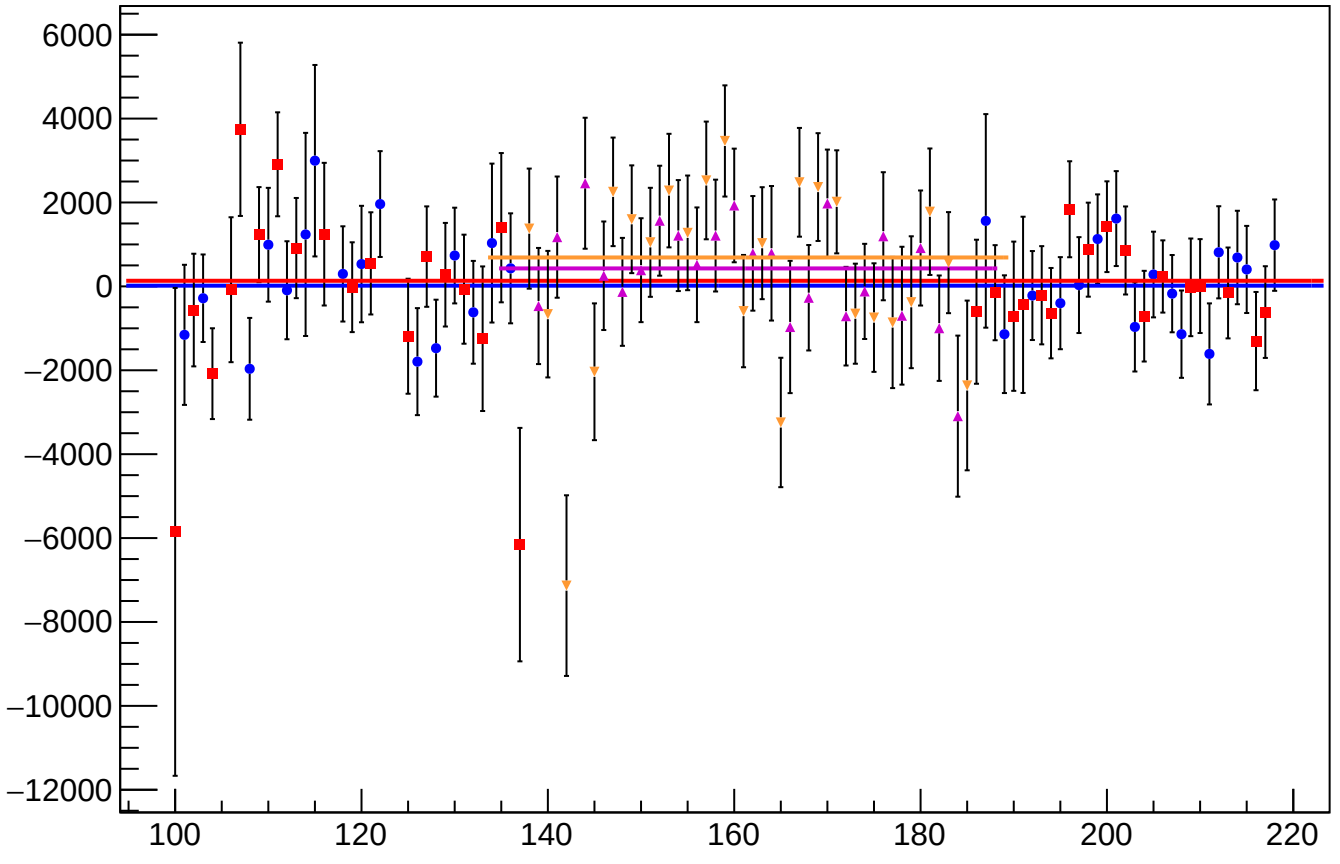
Left In: 3909.128+/-0.659 χ^2/NDF:1300782.7/22

+ sign 3514.271+/-0.414 χ^2/NDF: 4880829.9/55

All: 3468.884+/-0.290 χ^2/NDF: 10810957.7/1

- sign 3425.275+/-0.406 χ^2/NDF: 5906588.4/57

dit_asym_usl_atl2_dd_mean vs Slug



Right In: 16.967+/-213.052 χ^2/NDF: 23.2/31

Left Out: 689.087+/-284.388 χ^2/NDF:45.7/23

Right Out: 133.740+/-213.078 χ^2/NDF: 31.4/34

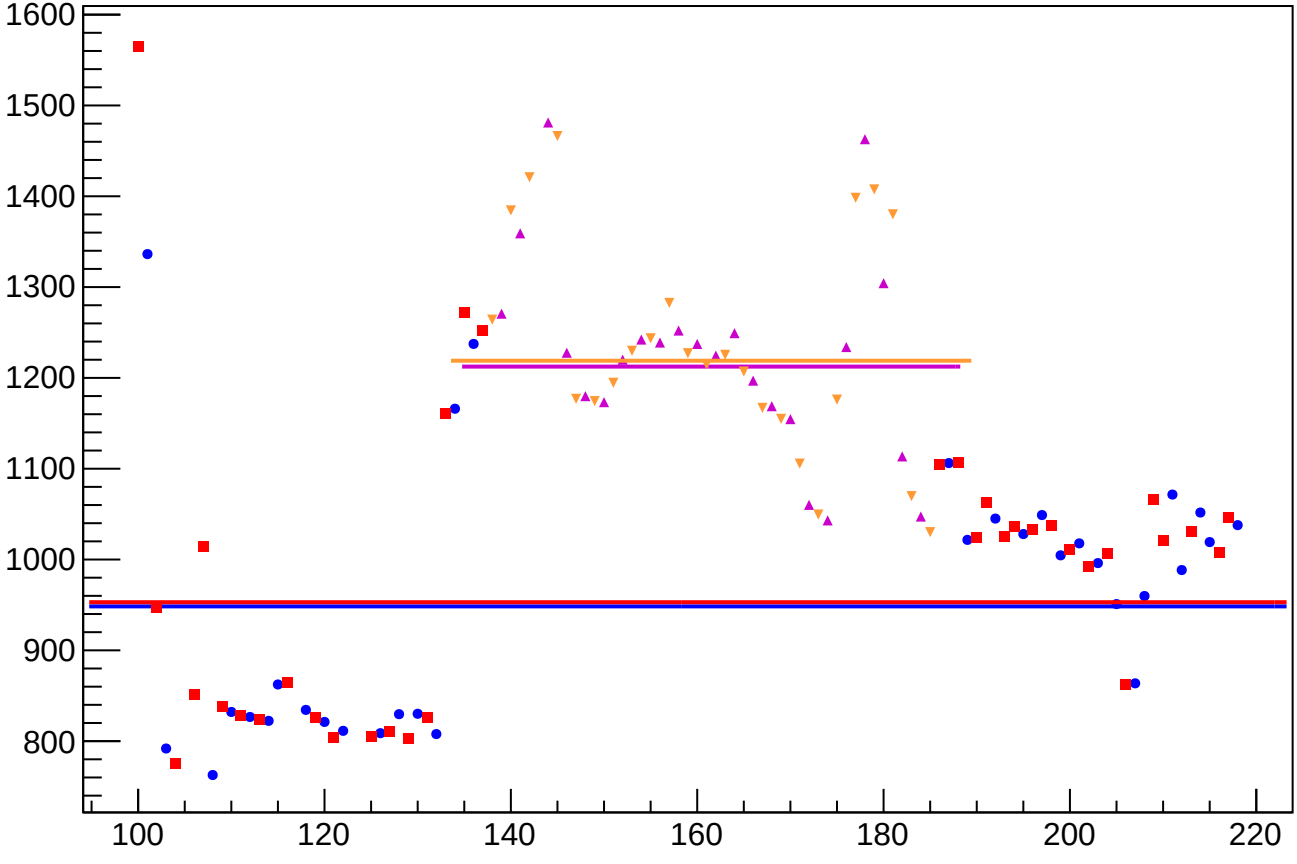
Left In: 428.052+/-284.383 χ^2/NDF:14.6/22

+ sign 258.583+/-170.510 χ^2/NDF: 72.5/55

All: 249.072+/-120.573 χ^2/NDF: 119.2/113

- sign 239.559+/-170.523 χ^2/NDF: 46.7/57

dit_asym_usl_atl2_dd_rms vs Slug



Right In: 948.401+/-0.151 χ^2/NDF: 675203.4/31

Left Out: 1218.928+/-0.201 χ^2/NDF:293874.9/23

Right Out: 953.008+/-0.151 χ^2/NDF: 621532.4/34

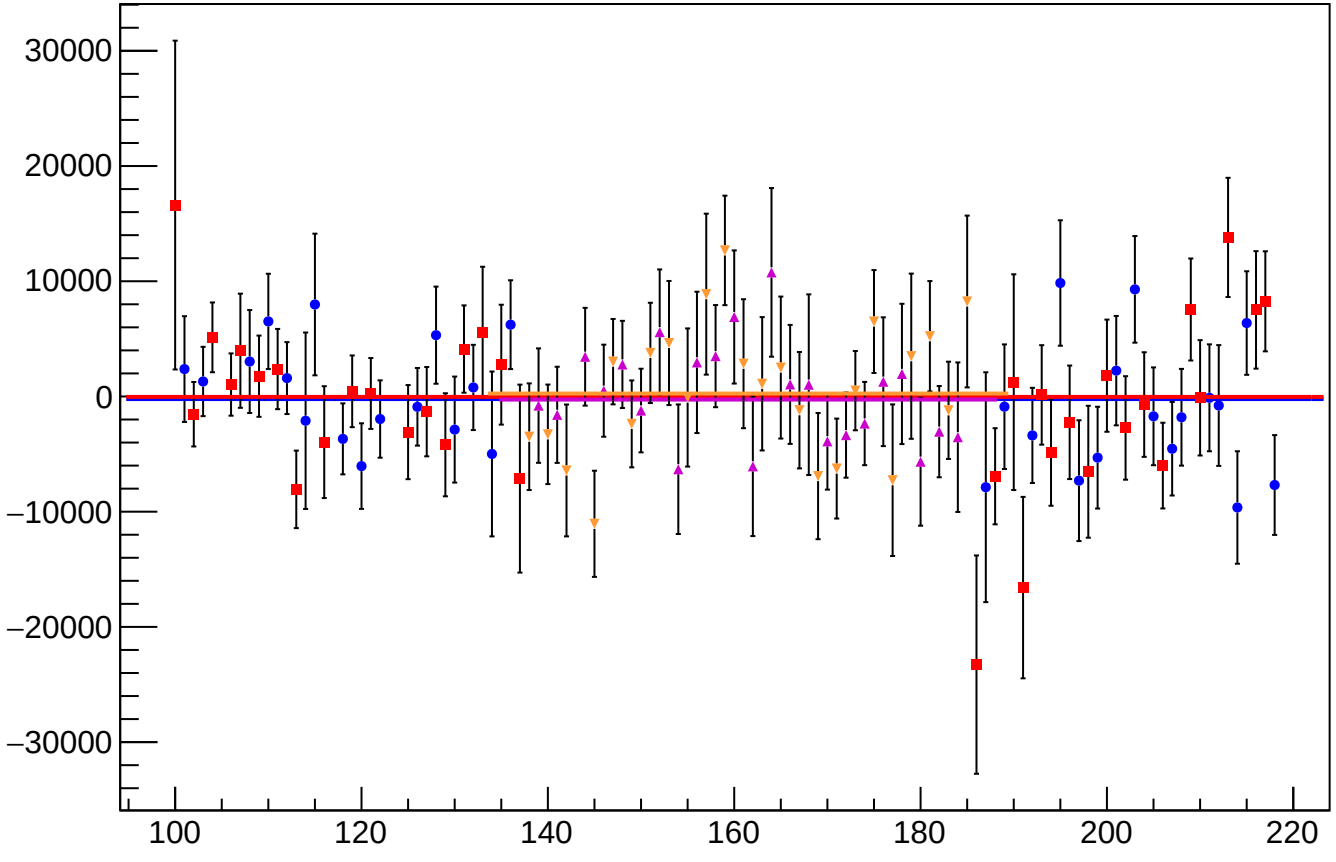
Left In: 1212.447+/-0.201 χ^2/NDF:260320.0/22

+ sign 1045.651+/-0.121 χ^2/NDF: 2128279.2/55

All: 1045.945+/-0.085 χ^2/NDF: 4076523.5/11

- sign 1046.239+/-0.121 χ^2/NDF: 1948232.4/57

asym_usl_atl2_dd_dit_correction_mean vs Slug



Right In: -224.445+/-756.612 χ^2/NDF: 37.9/31

Left Out: 252.803+/-995.149 χ^2/NDF:29.7/23

Right Out: -38.253+/-715.909 χ^2/NDF: 52.0/34

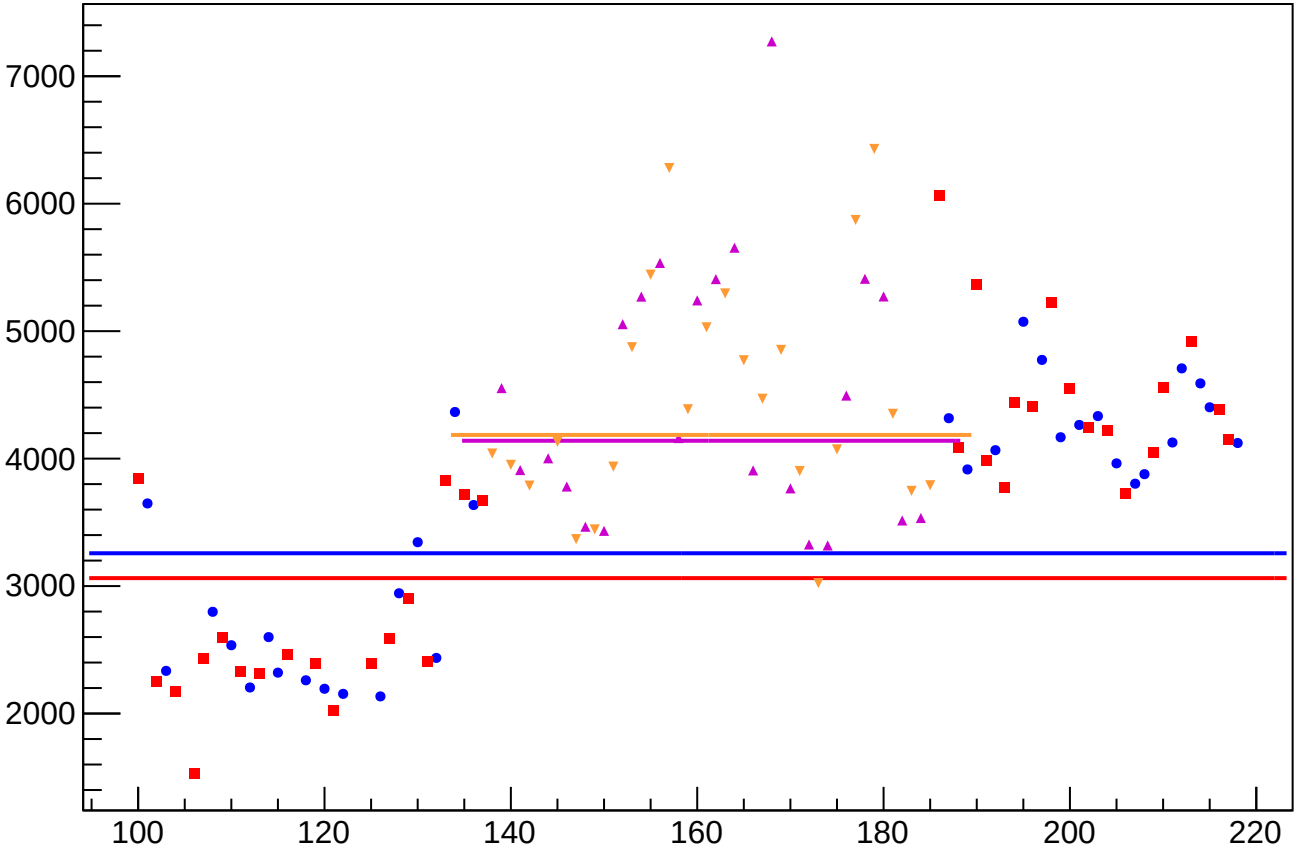
Left In: -266.235+/-990.083 χ^2/NDF:13.4/22

+ sign -49.625+/-602.299 χ^2/NDF: 67.7/55

All: -84.330+/-417.834 χ^2/NDF: 133.2/113

- sign -116.527+/-580.136 χ^2/NDF: 65.5/57

asym_usl_atl2_dd_dit_correction_rms vs Slug



Right In: 3257.465+/-0.535 χ^2/NDF: 3081575.0/31

Left Out: 4185.656+/-0.704 χ^2/NDF:1271248.5/23

Right Out: 3062.401+/-0.506 χ^2/NDF: 4273055.0/34

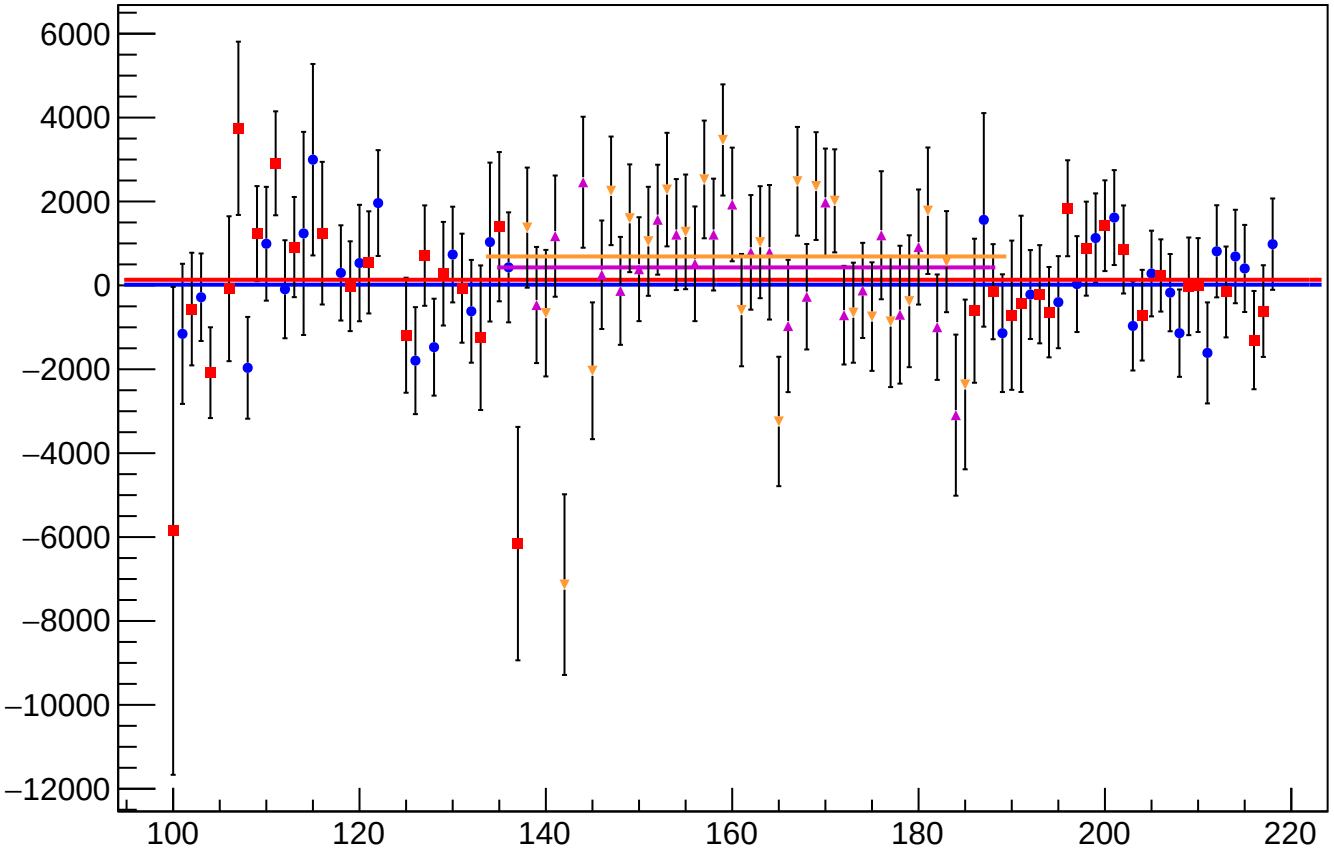
Left In: 4140.051+/-0.700 χ^2/NDF:1449924.0/22

+ sign 3597.470+/-0.426 χ^2/NDF: 5455391.3/55

All: 3511.840+/-0.295 χ^2/NDF: 12812219.2/1

- sign 3432.396+/-0.410 χ^2/NDF: 7278896.9/57

eigen_dit_asym_usl_atl2_dd_mean vs Slug



Right In: 16.965+/-213.052 χ^2/NDF: 23.2/31

Left Out: 689.089+/-284.388 χ^2/NDF:45.7/23

Right Out: 133.740+/-213.078 χ^2/NDF: 31.4/34

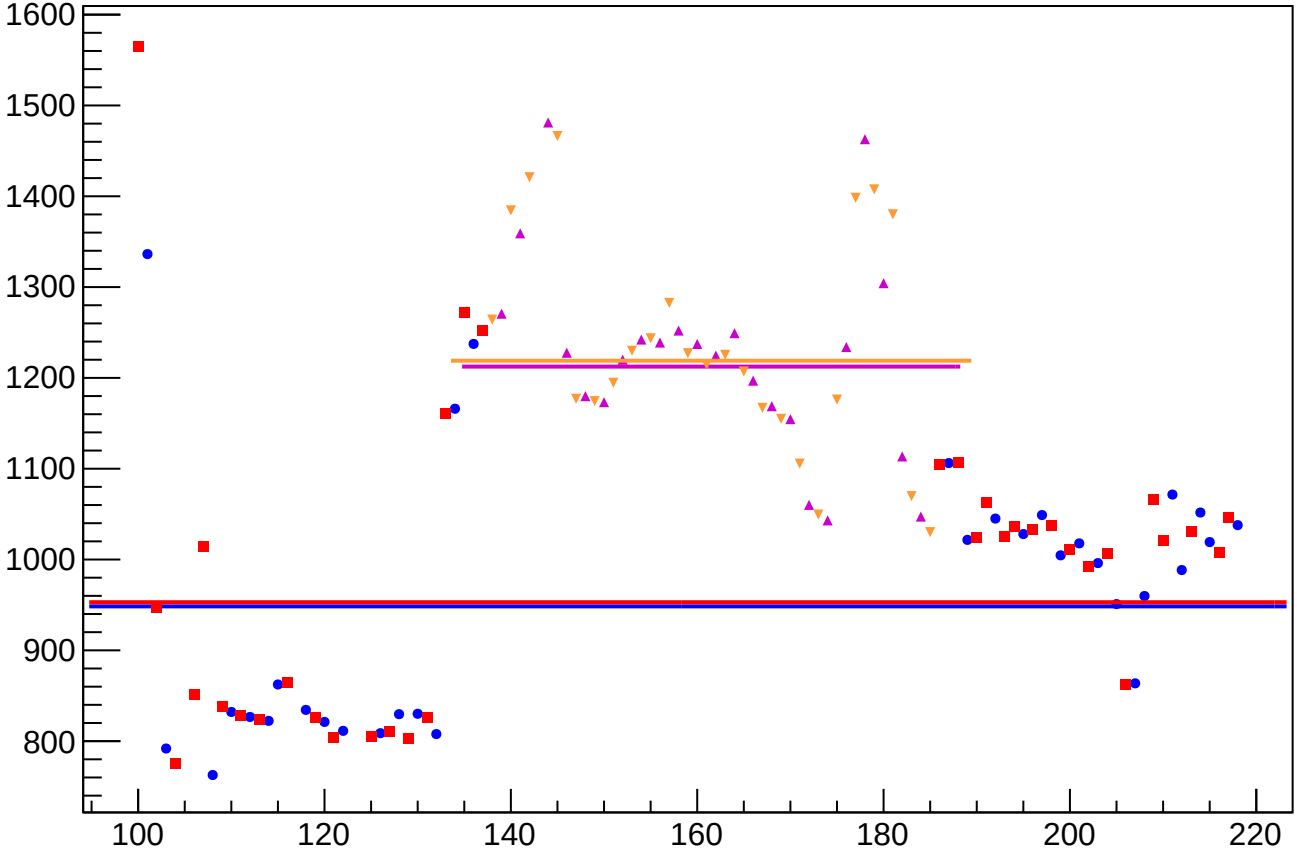
Left In: 428.050+/-284.383 χ^2/NDF:14.6/22

+ sign 258.582+/-170.510 χ^2/NDF: 72.5/55

All: 249.071+/-120.573 χ^2/NDF: 119.2/113

- sign 239.558+/-170.523 χ^2/NDF: 46.7/57

eigen_dit_asym_usl_atl2_dd_rms vs Slug



Right In: 948.401+/-0.151 χ^2/NDF: 675203.2/31

Left Out: 1218.929+/-0.201 χ^2/NDF:293885.7/23

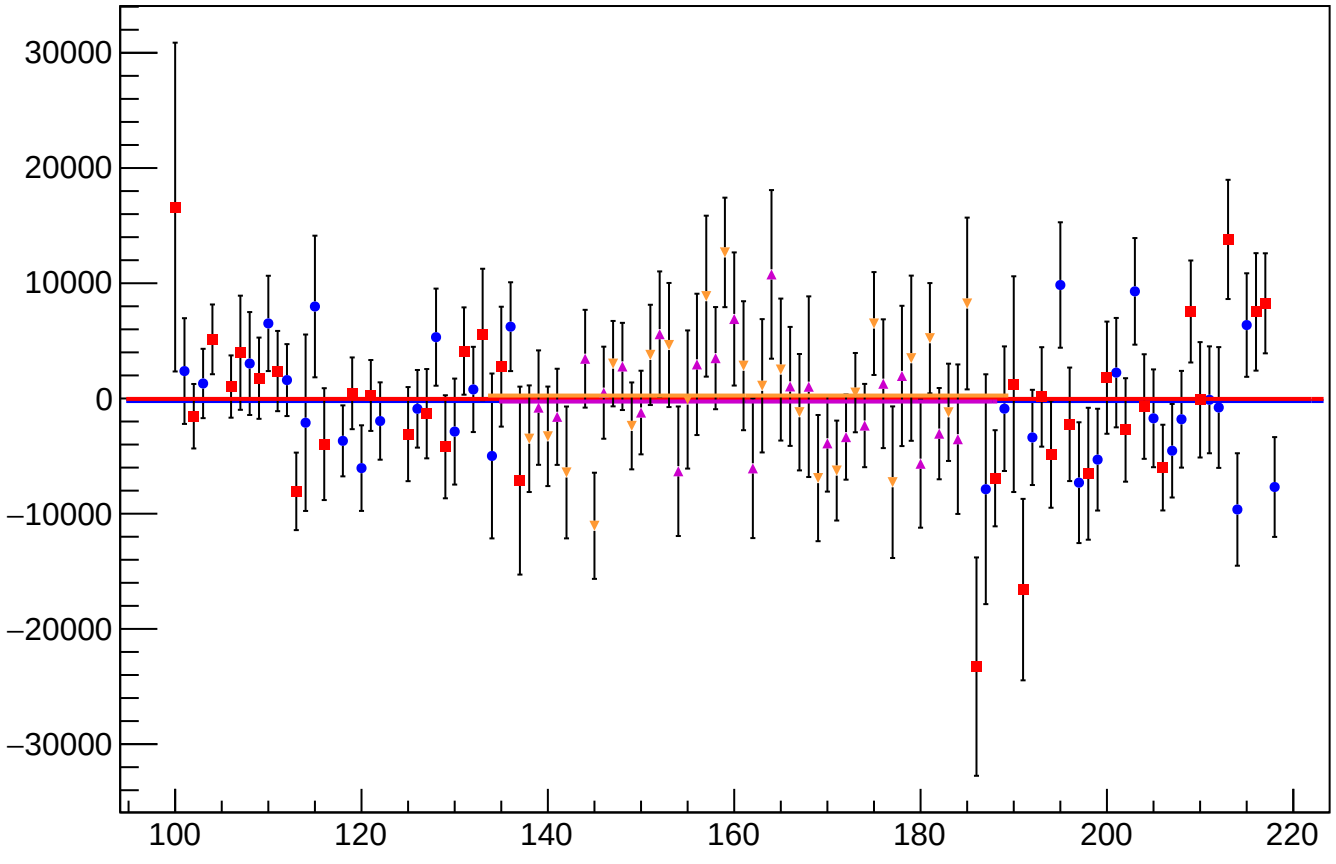
Right Out: 953.008+/-0.151 χ^2/NDF: 621532.7/34

Left In: 1212.448+/-0.201 χ^2/NDF:260330.4/22

+ sign 1045.651+/-0.121 χ^2/NDF: 2128296.2/55

All: 1045.945+/-0.085 χ^2/NDF: 4076558.0/11

- sign 1046.239+/-0.121 χ^2/NDF: 1948249.9/57



Right In: -224.445+/-756.611 χ^2/NDF: 37.9/31

Left Out: 252.805+/-995.151 χ^2/NDF:29.7/23

Right Out: -38.250+/-715.908 χ^2/NDF: 52.0/34

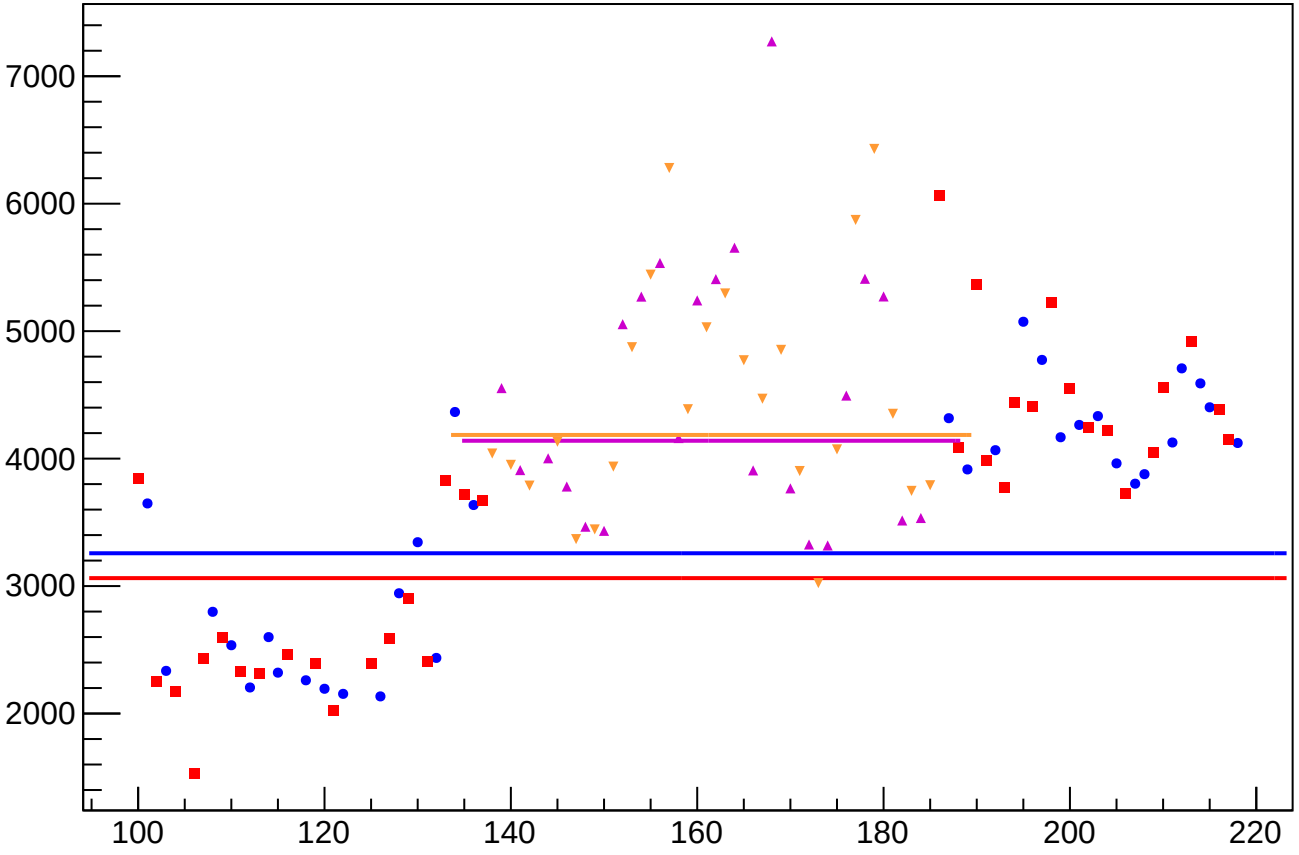
Left In: -266.236+/-990.085 χ^2/NDF:13.4/22

+ sign -49.625+/-602.299 χ^2/NDF: 67.7/55

All: -84.328+/-417.834 χ^2/NDF: 133.2/113

- sign -116.525+/-580.136 χ^2/NDF: 65.5/57

asym_usl_atl2_dd_eigen_dit_correction_rms vs Slug



Right In: 3257.460+/-0.535 χ^2/NDF: 3081633.3/31

Left Out: 4185.664+/-0.704 χ^2/NDF:1271247.4/23

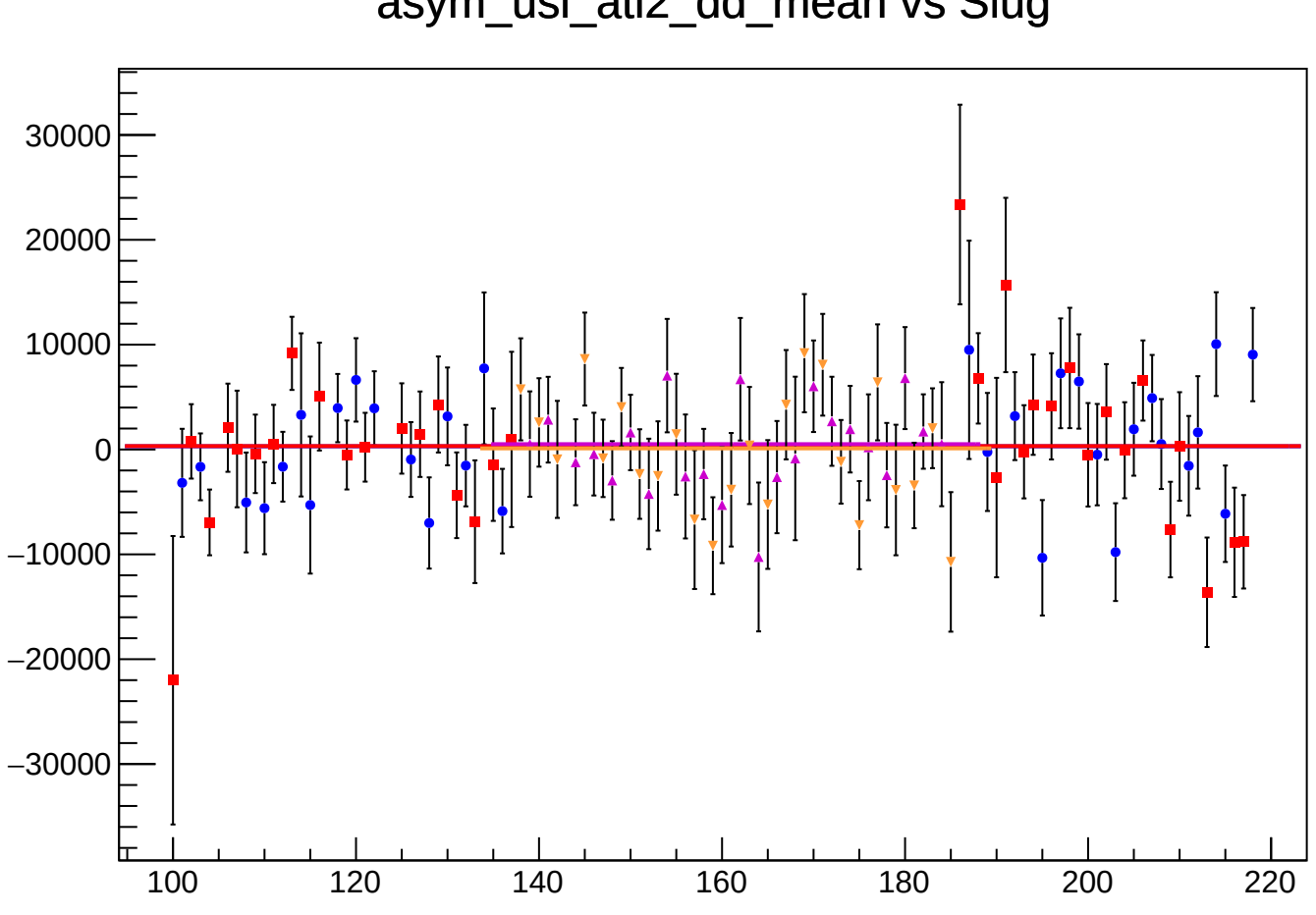
Right Out: 3062.396+/-0.506 χ^2/NDF: 4273100.9/34

Left In: 4140.059+/-0.700 χ^2/NDF:1449925.1/22

+ sign 3597.468+/-0.426 χ^2/NDF: 5455477.5/55

All: 3511.838+/-0.295 χ^2/NDF: 12812388.7/1

- sign 3432.393+/-0.410 χ^2/NDF: 7278979.0/57



Right In: 306.743+/-787.778 χ^2/NDF: 41.6/31

Left Out: 108.966+/-975.598 χ^2/NDF:28.0/23

Right Out: 324.190+/-768.725 χ^2/NDF: 54.8/34

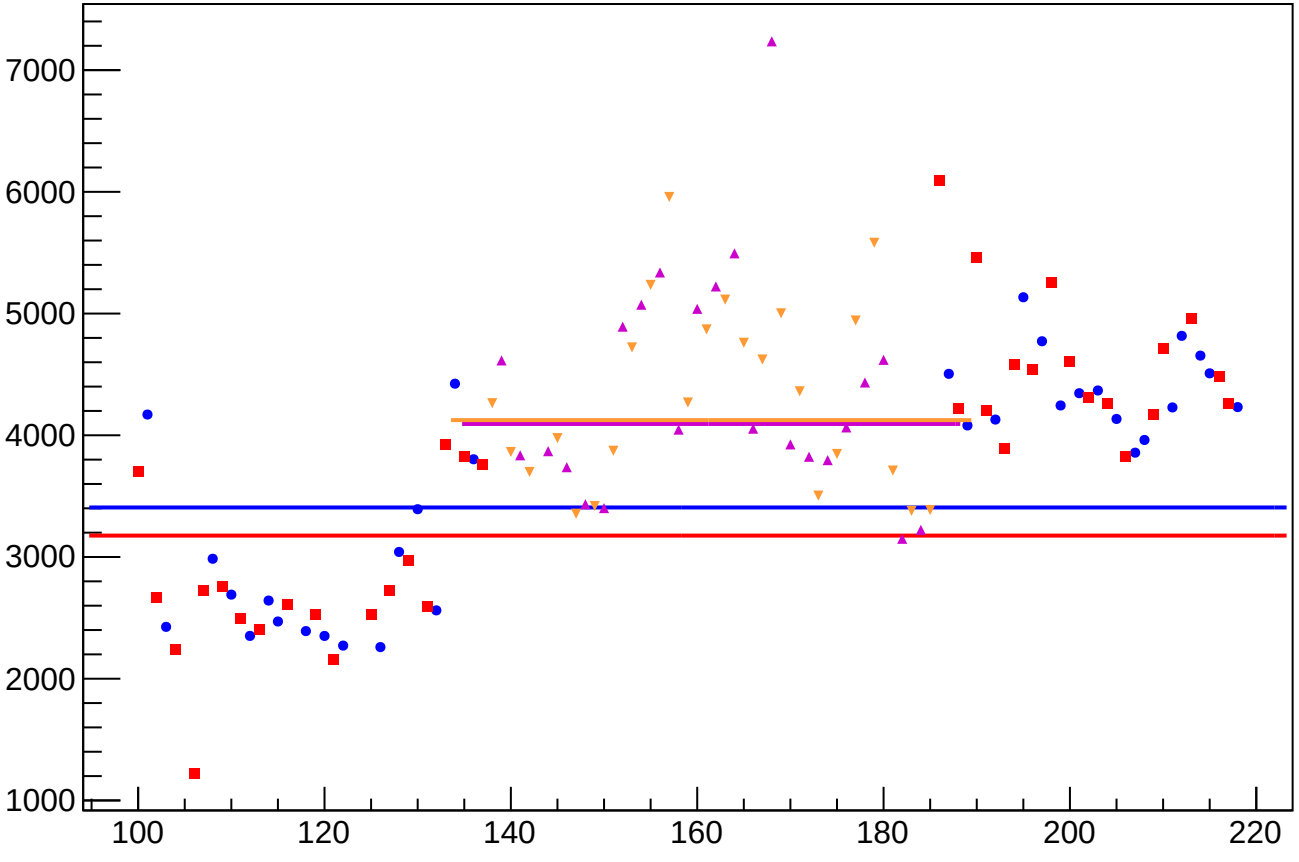
Left In: 509.024+/-974.173 χ^2/NDF:13.5/22

\+ sign 228.683+/-612.908 χ^2/NDF: 69.7/55

All: 313.192+/-430.015 χ^2/NDF: 138.0/113

\- sign 395.118+/-603.467 χ^2/NDF: 68.3/57

asym_usl_atl2_dd_rms vs Slug



Right In: 3406.933+/-0.557 χ^2/NDF: 2772303.4/31

Left Out: 4124.485+/-0.690 χ^2/NDF:969929.3/23

Right Out: 3175.795+/-0.528 χ^2/NDF: 4399333.3/34

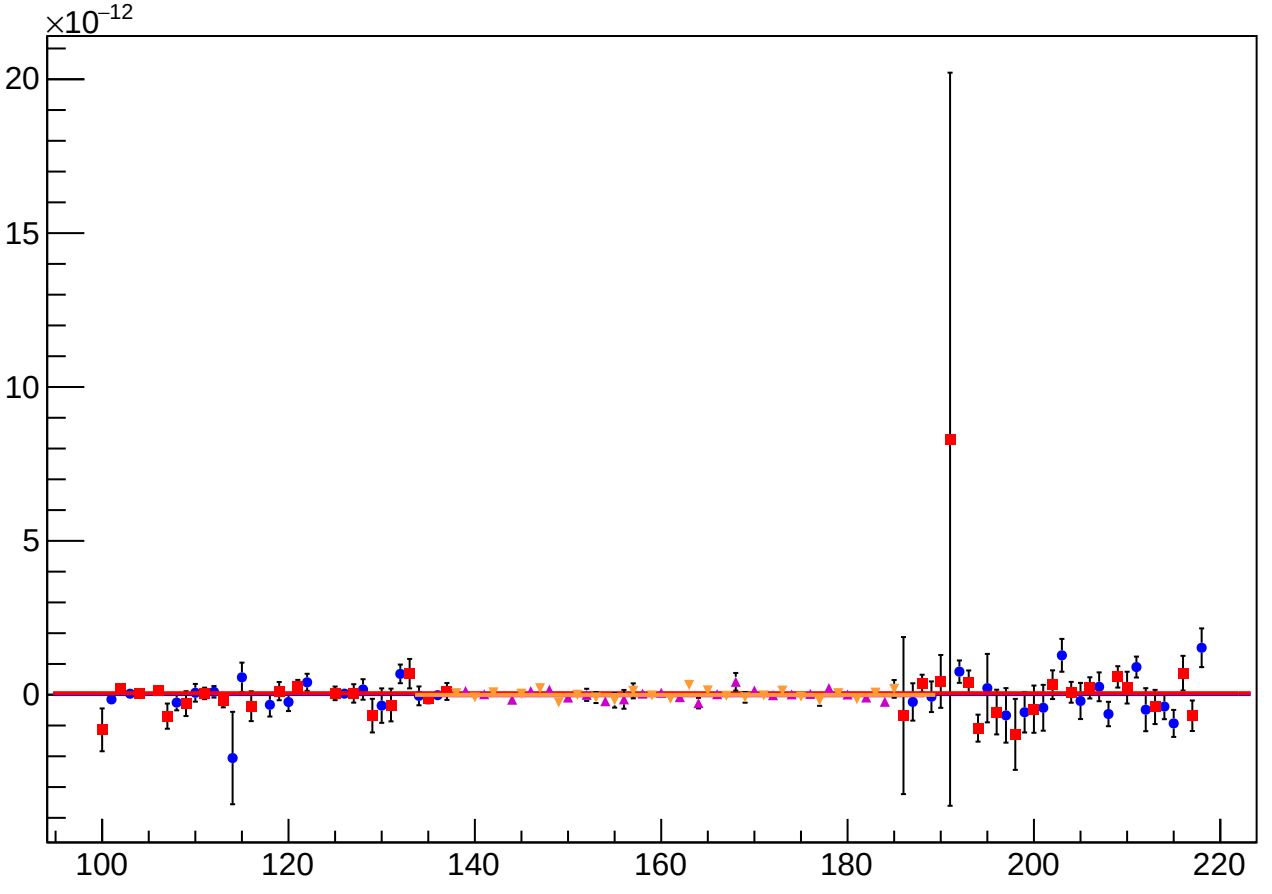
Left In: 4093.066+/-0.689 χ^2/NDF:1162851.8/22

\+ sign 3690.138+/-0.433 χ^2/NDF: 4397136.7/55

All: 3599.827+/-0.301 χ^2/NDF: 11160113.4/1

\- sign 3515.365+/-0.419 χ^2/NDF: 6678942.4/57

asym_usl_atl2_dd_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 48.7/31

Left Out: -0.000+/-0.000 χ^2/NDF:24.2/23

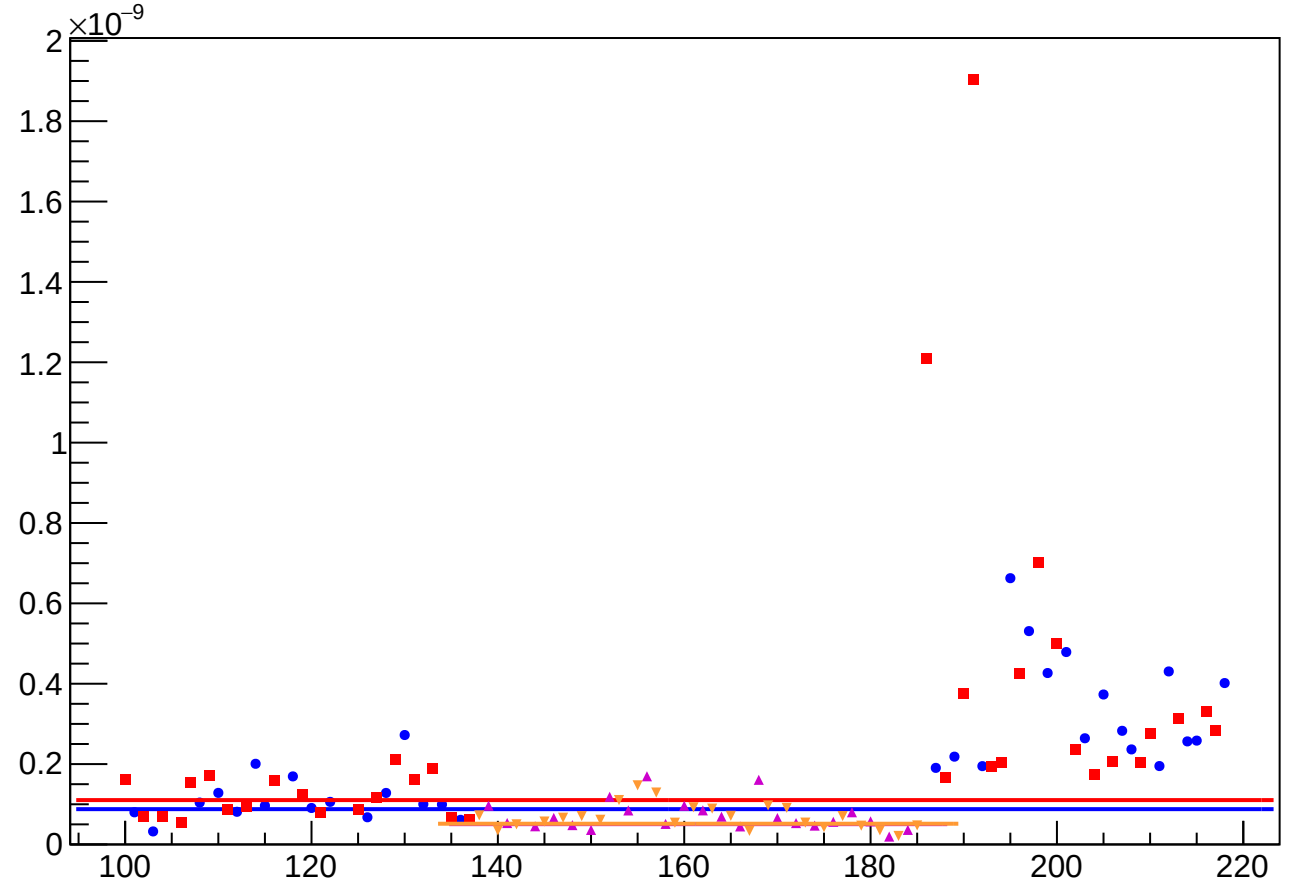
Right Out: 0.000+/-0.000 χ^2/NDF: 36.3/34

Left In: -0.000+/-0.000 χ^2/NDF:25.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 73.2/55

All: -0.000+/-0.000 χ^2/NDF: 136.9/113

- sign -0.000+/-0.000 χ^2/NDF: 63.6/57



Right In: 0.000+/-0.000 χ^2/NDF: 7373140.2/31

Left Out: 0.000+/-0.000 χ^2/NDF:2269565.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 5036893.1/34

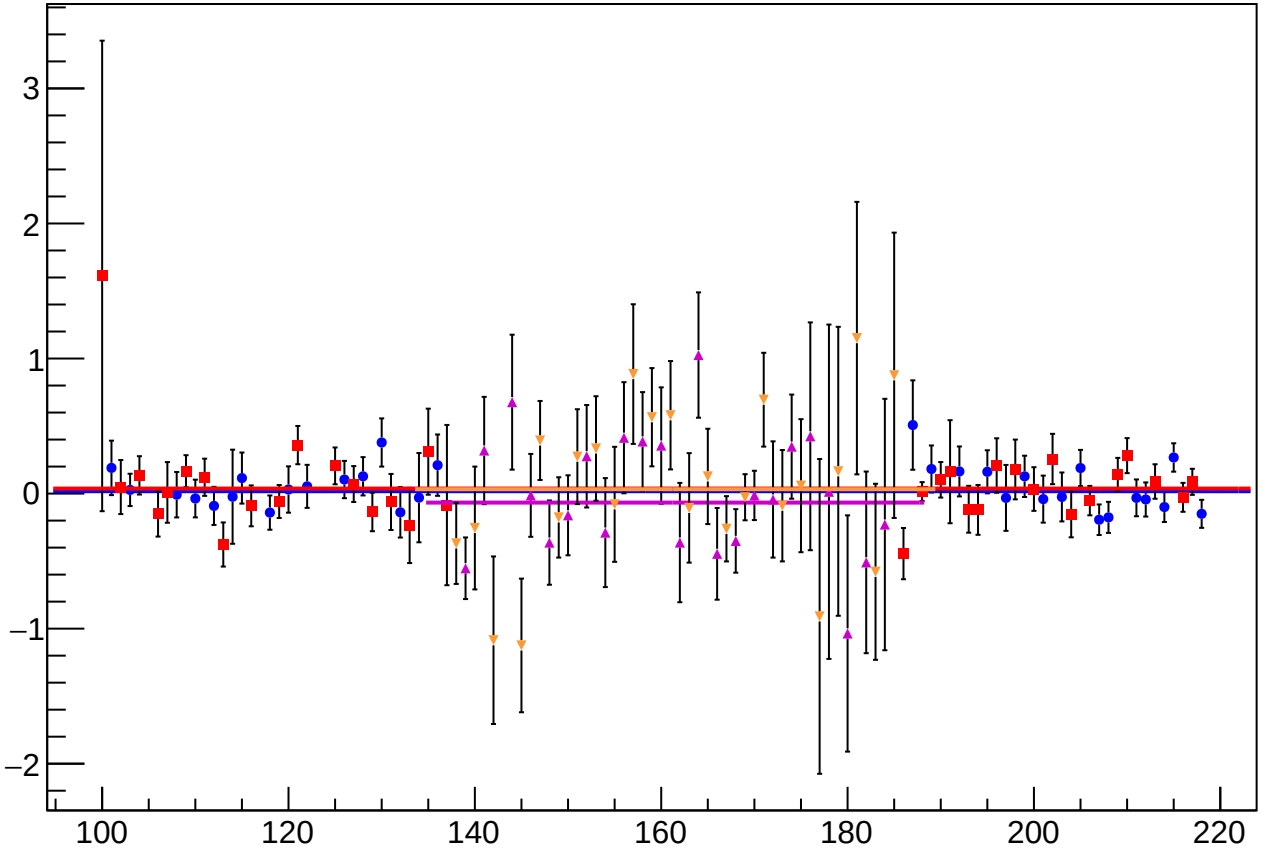
Left In: 0.000+/-0.000 χ^2/NDF:2433650.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 10824760.8/55

All: 0.000+/-0.000 χ^2/NDF: 20829028.1/113

- sign 0.000+/-0.000 χ^2/NDF: 10001129.7/57

asym_usl_atl2_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.018+/-0.027 χ^2/NDF: 32.9/31

Left Out: 0.032+/-0.076 χ^2/NDF:29.7/23

Right Out: 0.037+/-0.025 χ^2/NDF: 39.9/34

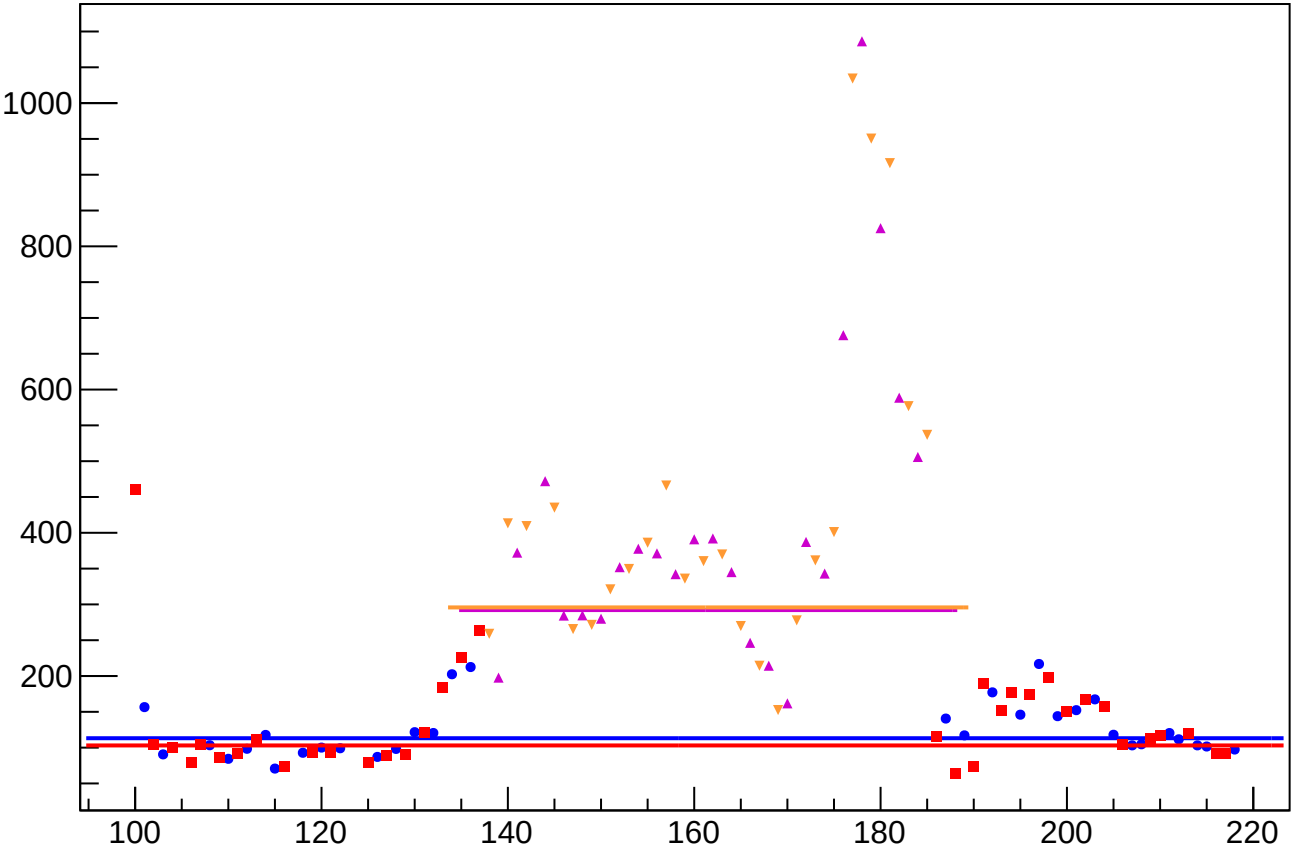
Left In: -0.067+/-0.075 χ^2/NDF:25.7/22

+ sign 0.019+/-0.025 χ^2/NDF: 62.6/55

All: 0.023+/-0.017 χ^2/NDF: 130.0/113

- sign 0.027+/-0.023 χ^2/NDF: 67.4/57

asym_usl_atl2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 113.144+/-0.019 χ^2/NDF: 2271094.0/31

Left Out: 295.798+/-0.054 χ^2/NDF:5501077.8/23

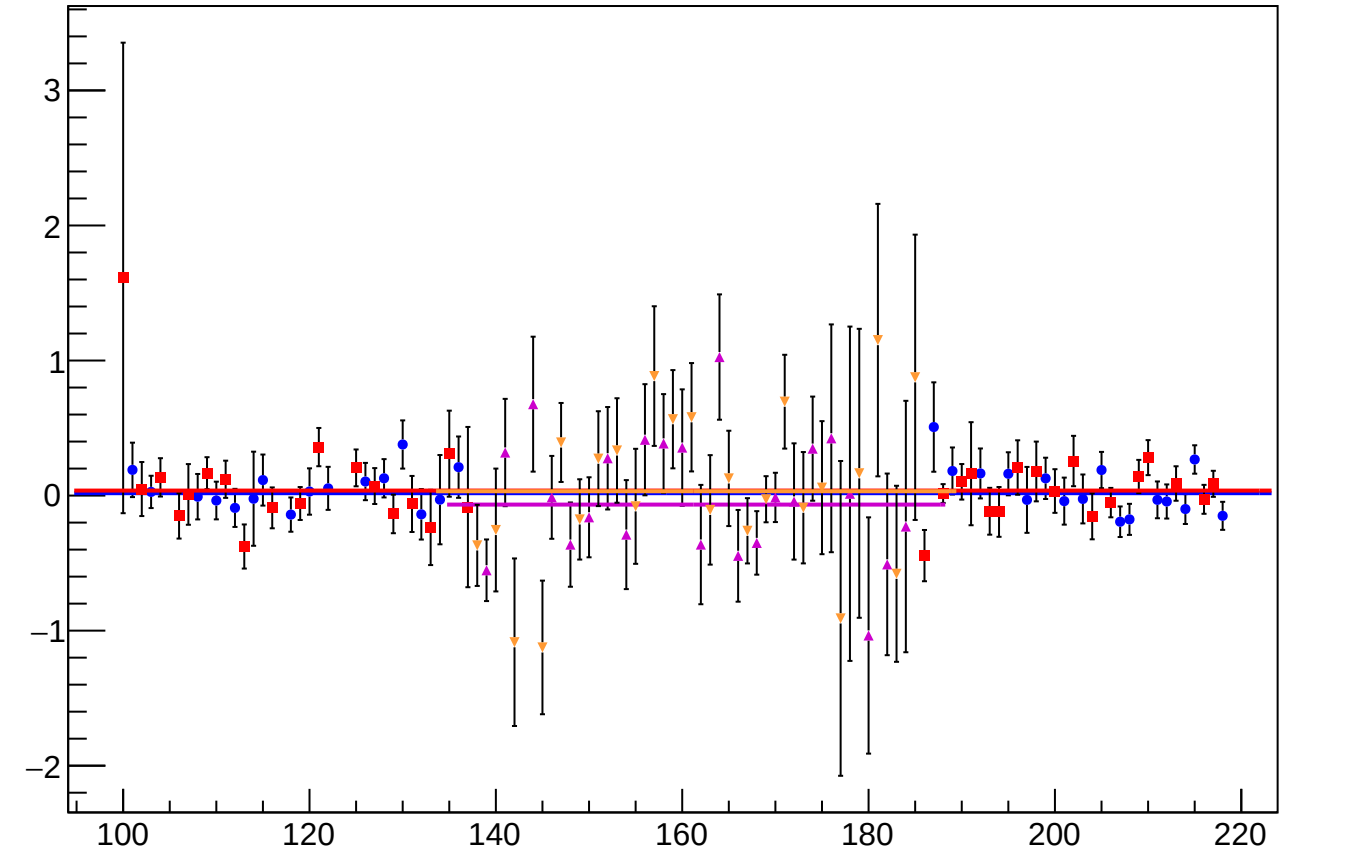
Right Out: 103.060+/-0.017 χ^2/NDF: 3689131.9/34

Left In: 292.100+/-0.053 χ^2/NDF:5055737.7/22

+ sign 133.011+/-0.018 χ^2/NDF: 18066433.6/55

All: 126.998+/-0.012 χ^2/NDF: 38564941.6/11

- sign 121.723+/-0.017 χ^2/NDF: 20282451.6/57



Right In: 0.018+/-0.027 χ^2/NDF: 32.9/31

Left Out: 0.032+/-0.076 χ^2/NDF:29.7/23

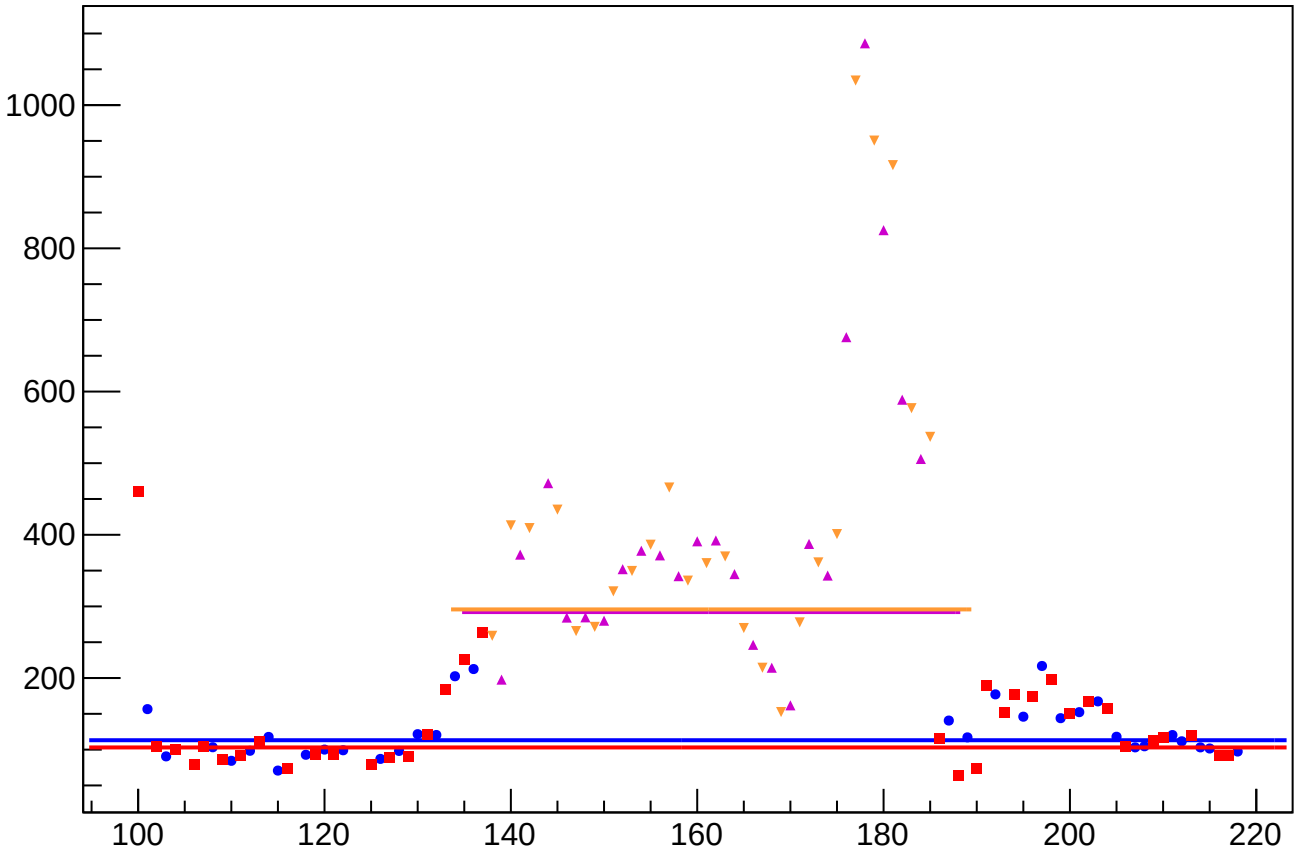
Right Out: 0.037+/-0.025 χ^2/NDF: 39.9/34

Left In: -0.067+/-0.075 χ^2/NDF:25.7/22

+ sign 0.019+/-0.025 χ^2/NDF: 62.6/55

All: 0.023+/-0.017 χ^2/NDF: 130.0/113

- sign 0.027+/-0.023 χ^2/NDF: 67.4/57



Right In: 113.144+/-0.019 χ^2/NDF: 2271094.0/31

Left Out: 295.798+/-0.054 χ^2/NDF:5501077.8/23

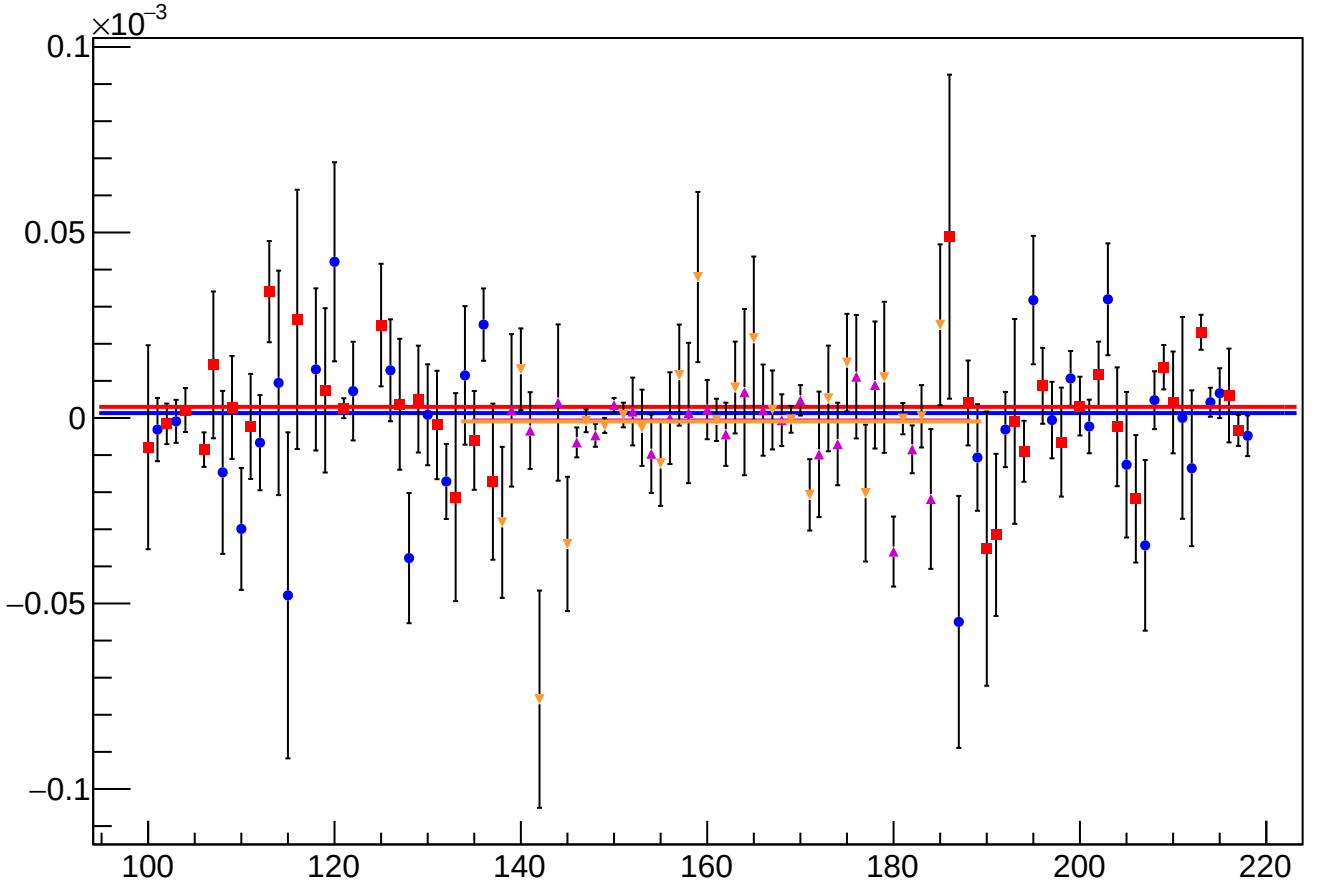
Right Out: 103.060+/-0.017 χ^2/NDF: 3689131.9/34

Left In: 292.100+/-0.053 χ^2/NDF:5055737.7/22

+ sign 133.011+/-0.018 χ^2/NDF: 18066433.6/55

All: 126.998+/-0.012 χ^2/NDF: 38564941.6/11

- sign 121.723+/-0.017 χ^2/NDF: 20282451.6/57



Right In: 0.000+/-0.000 χ^2/NDF: 43.1/31

Left Out: -0.000+/-0.000 χ^2/NDF:29.1/23

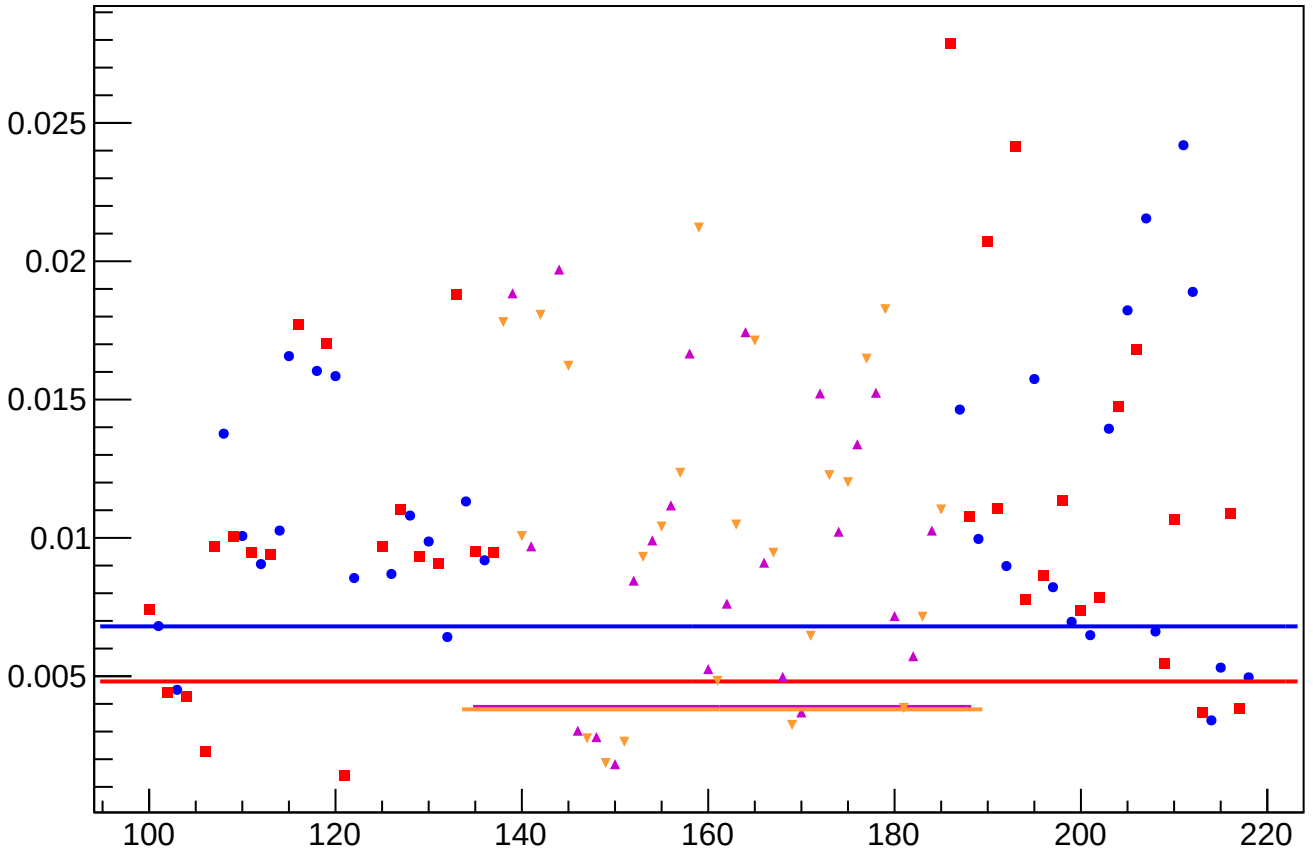
Right Out: 0.000+/-0.000 χ^2/NDF: 51.7/34

Left In: -0.000+/-0.000 χ^2/NDF:29.8/22

+ sign -0.000+/-0.000 χ^2/NDF: 73.3/55

All: 0.000+/-0.000 χ^2/NDF: 159.4/113

- sign 0.000+/-0.000 χ^2/NDF: 85.3/57



Right In: 0.007+/-0.000 χ^2/NDF: 8021526.8/31

Left Out: 0.004+/-0.000 χ^2/NDF:14624926.4/23

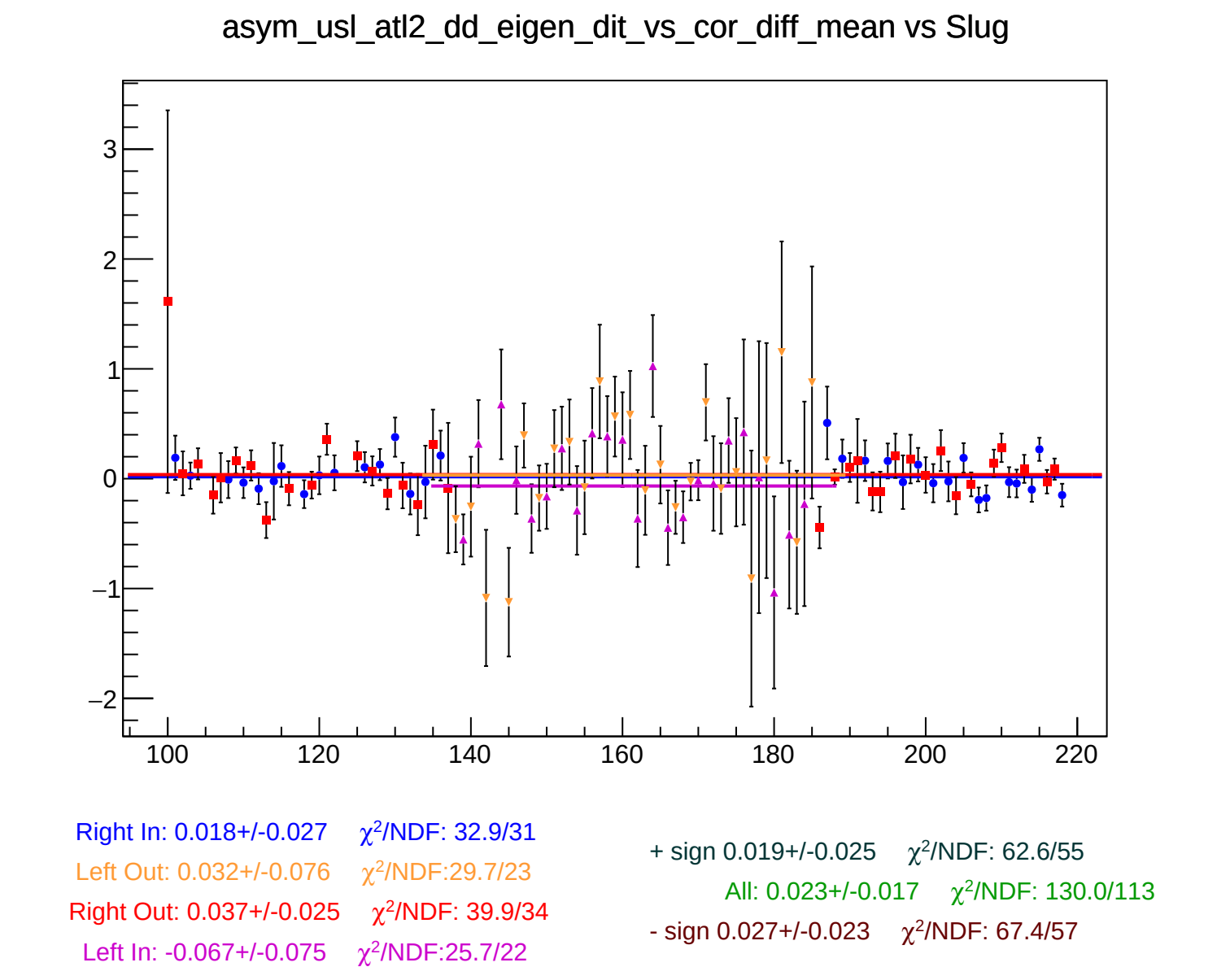
Right Out: 0.005+/-0.000 χ^2/NDF: 14051841.7/34

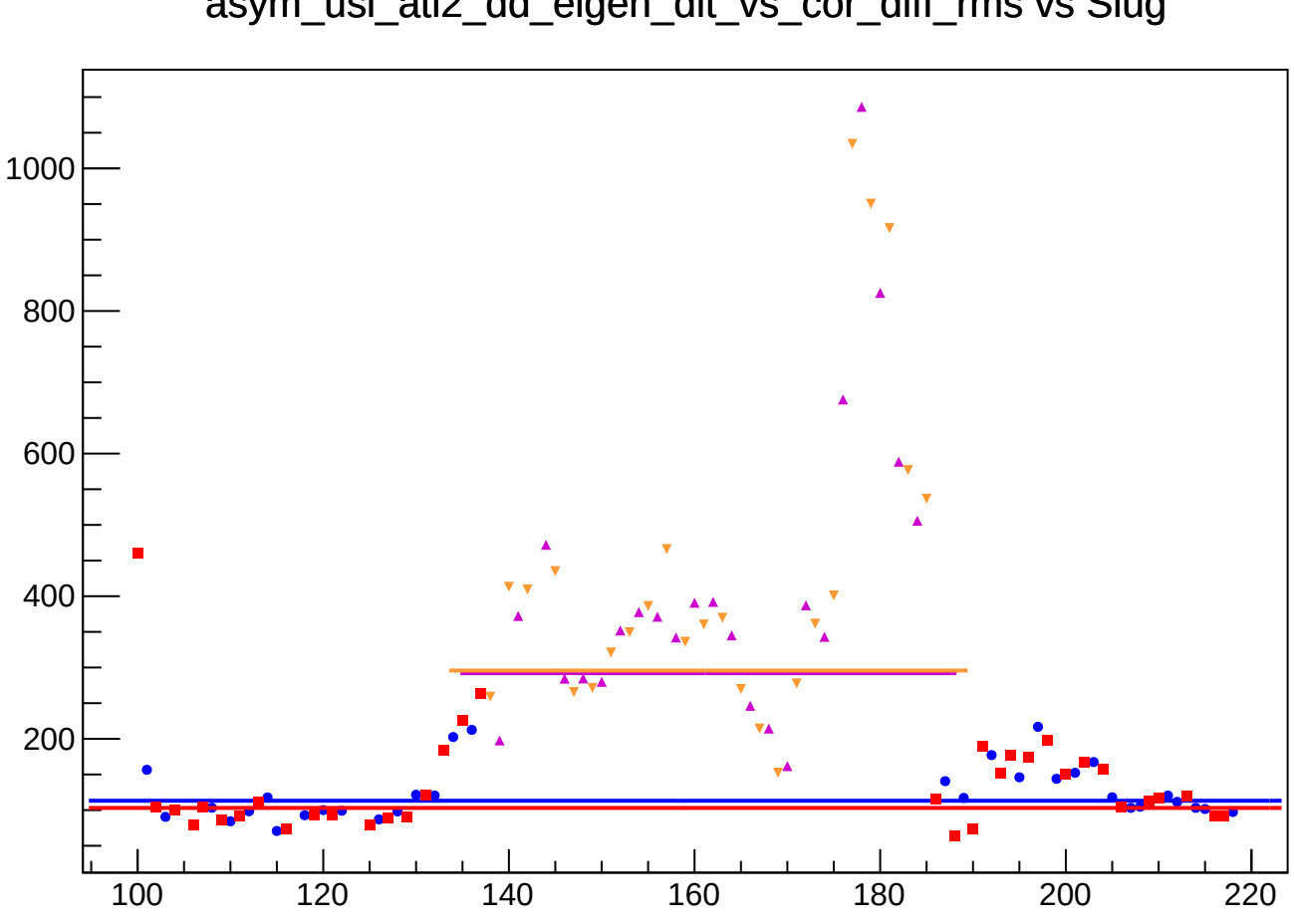
Left In: 0.004+/-0.000 χ^2/NDF:13523554.3/22

+ sign 0.005+/-0.000 χ^2/NDF: 26593576.4/55

All: 0.005+/-0.000 χ^2/NDF: 54870924.6/113

- sign 0.004+/-0.000 χ^2/NDF: 28063381.9/57


asym_usl_atl2_dd_eigen_dit_vs_cor_diff_mean vs Slug
3
2
1
0
−1
−2
100
120
140
160
180
200
220
Right In: 0.018+/-0.027 χ²/NDF: 32.9/31
Left Out: 0.032+/-0.076 χ²/NDF:29.7/23
Right Out: 0.037+/-0.025 χ²/NDF: 39.9/34
Left In: -0.067+/-0.075 χ²/NDF:25.7/22
+ sign 0.019+/-0.025 χ²/NDF: 62.6/55
All: 0.023+/-0.017 χ²/NDF: 130.0/113
- sign 0.027+/-0.023 χ²/NDF: 67.4/57


asym_usl_atl2_dd_eigen_dit_vs_cor_diff_rms vs Slug
1000
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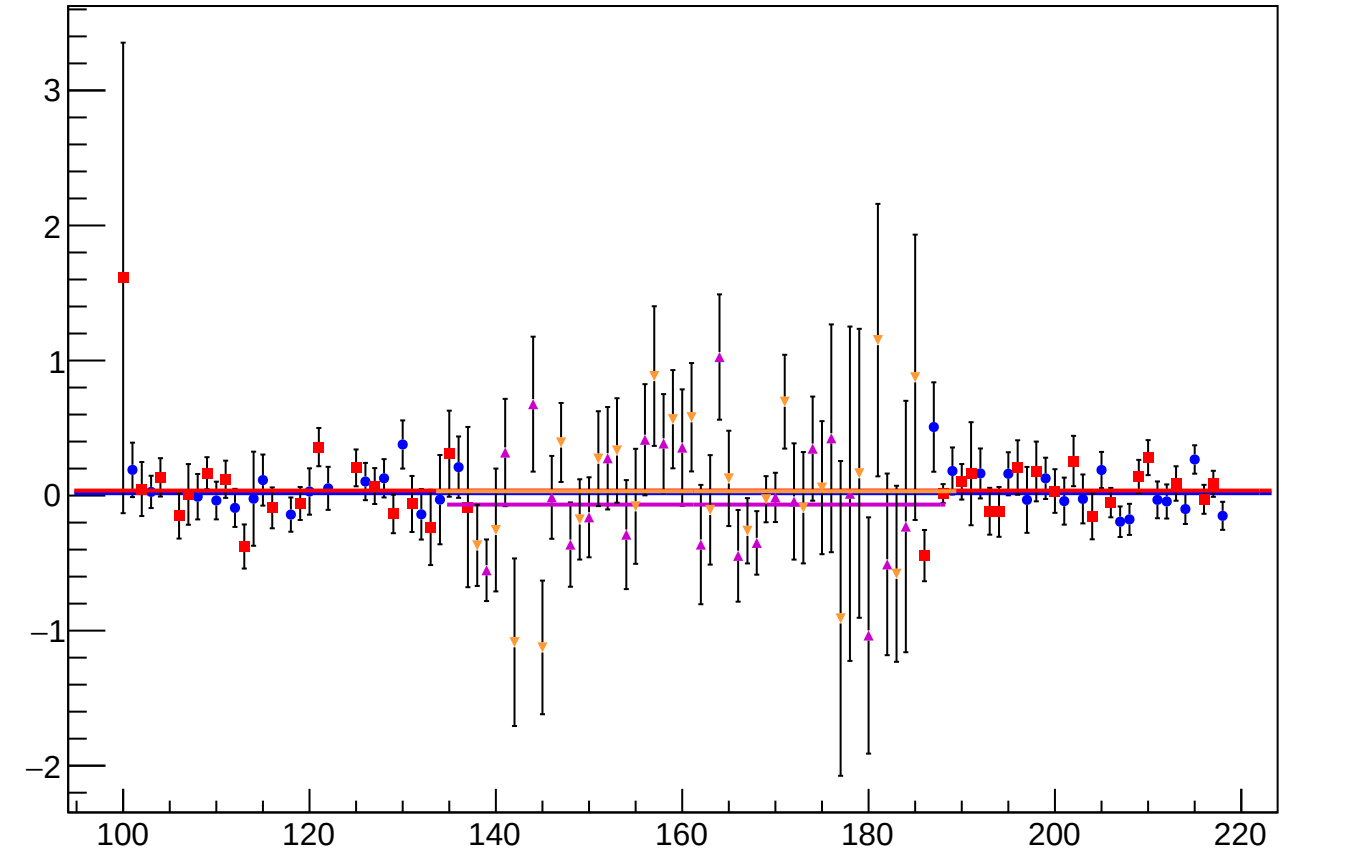
160
180
200
220
Right In: 113.144+/-0.019 χ²/NDF: 2271058.4/31
Left Out: 295.800+/-0.054 χ²/NDF:5501139.3/23
Right Out: 103.059+/-0.017 χ²/NDF: 3689305.5/34
Left In: 292.103+/-0.053 χ²/NDF:5055695.7/22
+ sign 133.012+/-0.018 χ²/NDF: 18066478.8/55
All: 126.997+/-0.012 χ²/NDF: 38565535.9/11
- sign 121.722+/-0.017 χ²/NDF: 20282929.2/57



Right In: 0.018+/-0.027 χ^2/NDF: 32.9/31

Left Out: 0.032+/-0.076 χ^2/NDF:29.7/23

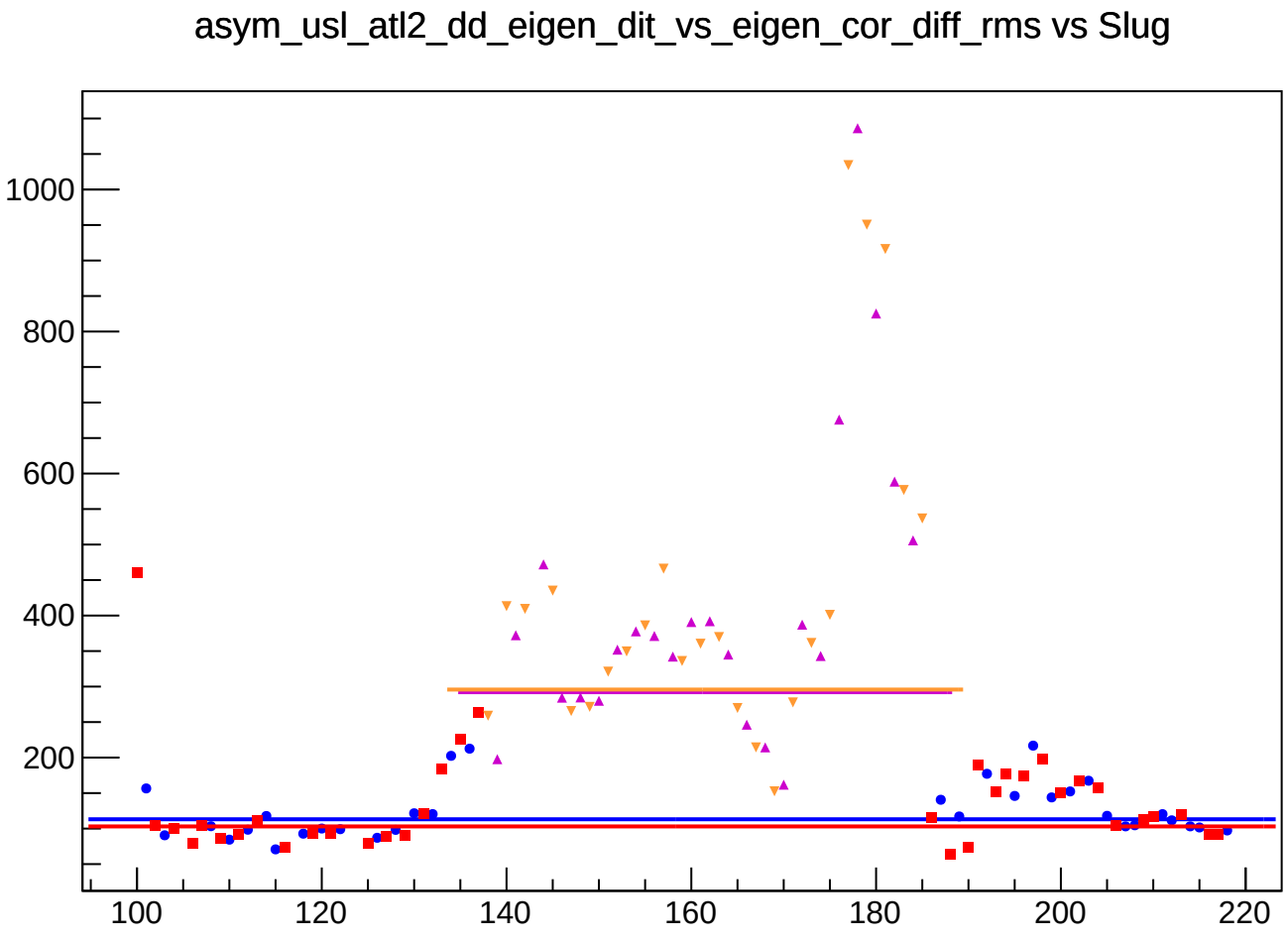
Right Out: 0.037+/-0.025 χ^2/NDF: 39.9/34

Left In: -0.067+/-0.075 χ^2/NDF:25.7/22

+ sign 0.019+/-0.025 χ^2/NDF: 62.6/55

All: 0.023+/-0.017 χ^2/NDF: 130.0/113

- sign 0.027+/-0.023 χ^2/NDF: 67.4/57


asym_usl_atl2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug
1000
800
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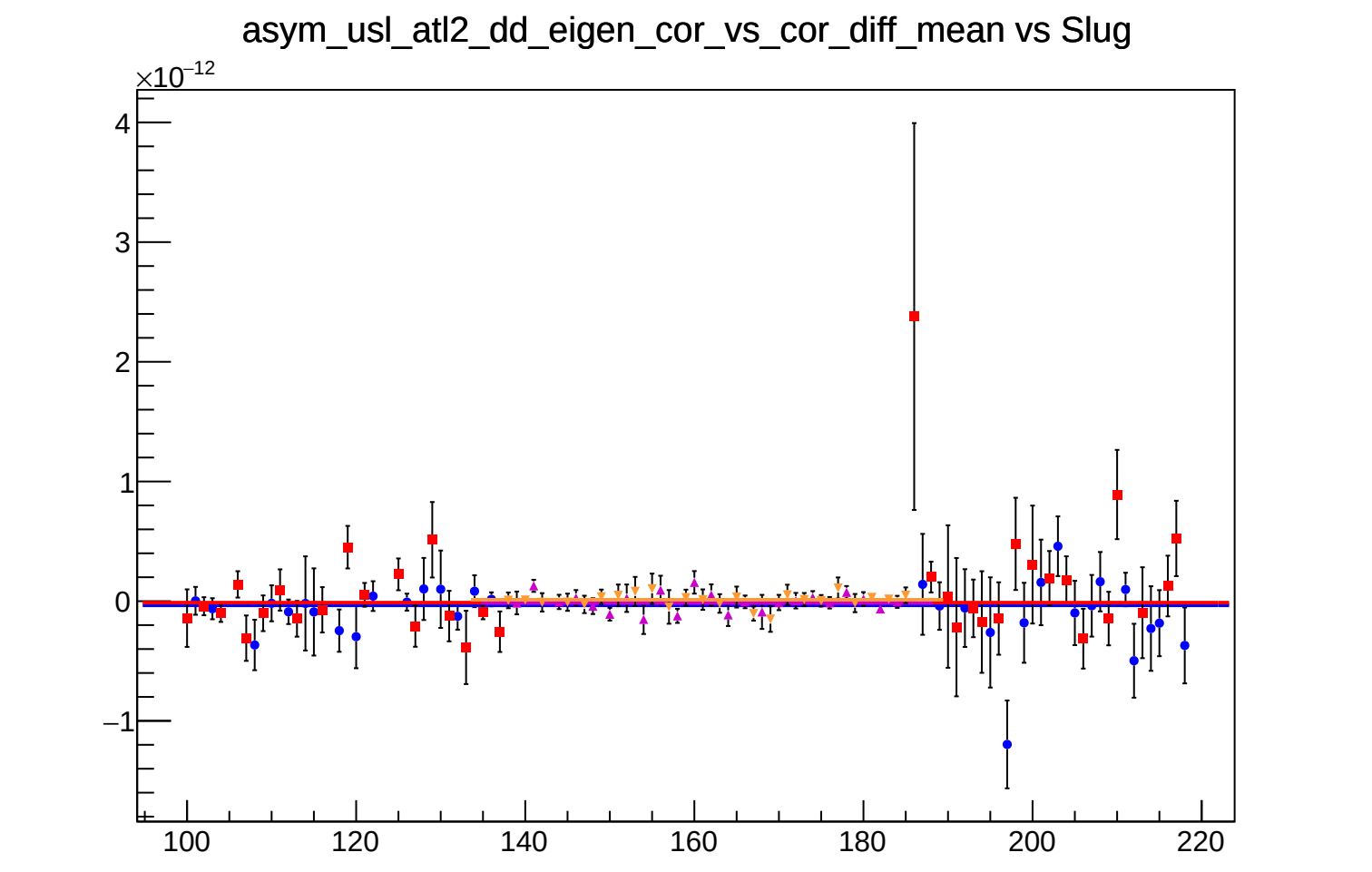
100
120
140
160
180
200
220
Right In: 113.144+/-0.019 χ²/NDF: 2271058.4/31
Left Out: 295.800+/-0.054 χ²/NDF:5501139.3/23
Right Out: 103.059+/-0.017 χ²/NDF: 3689305.5/34
Left In: 292.103+/-0.053 χ²/NDF:5055695.7/22
+ sign 133.012+/-0.018 χ²/NDF: 18066478.8/55
All: 126.997+/-0.012 χ²/NDF: 38565535.9/11
- sign 121.722+/-0.017 χ²/NDF: 20282929.2/57



Right In: -0.000+/-0.000 χ^2/NDF: 29.0/31

Left Out: 0.000+/-0.000 χ^2/NDF:10.6/23

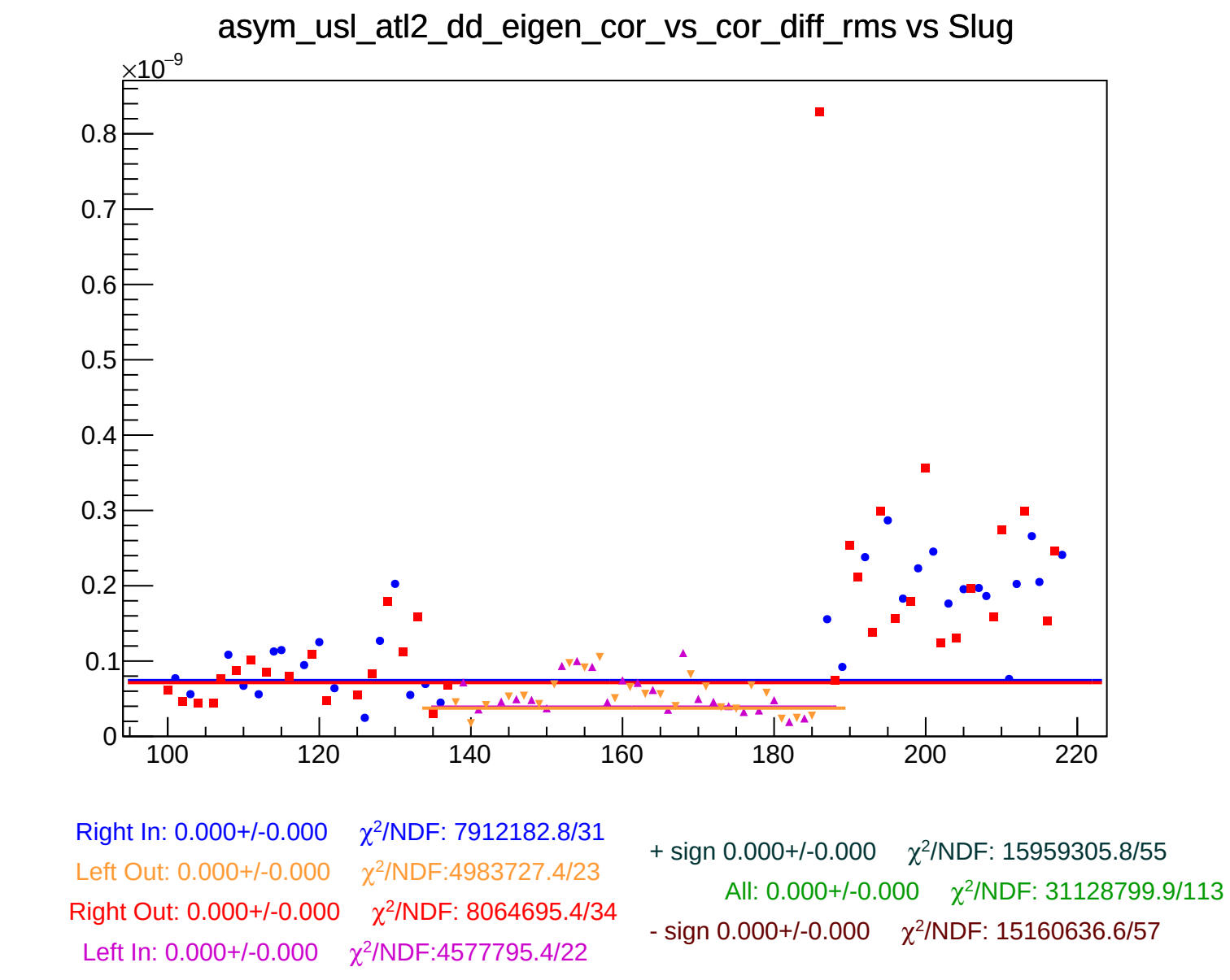
Right Out: -0.000+/-0.000 χ^2/NDF: 48.0/34

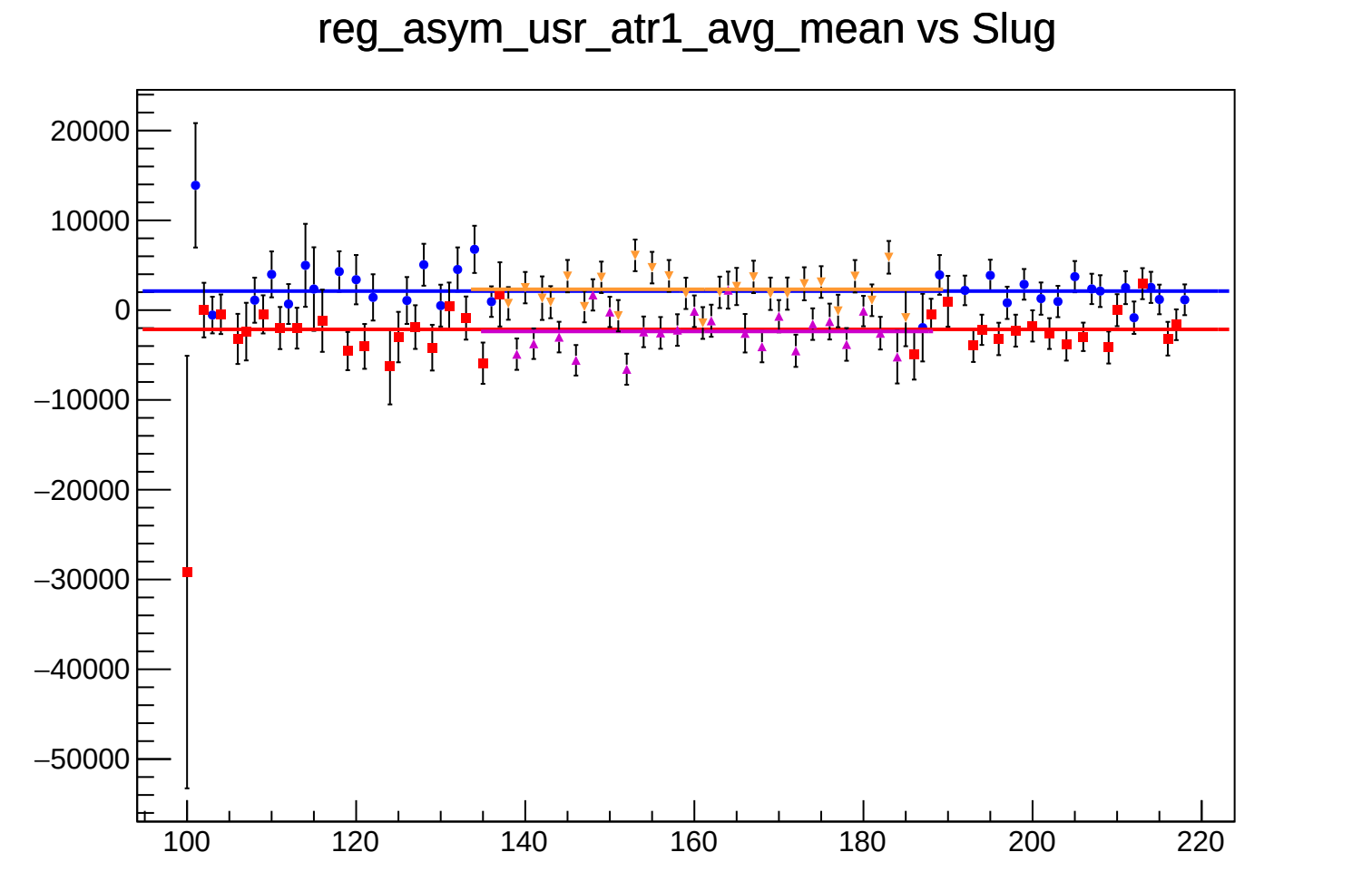
Left In: -0.000+/-0.000 χ^2/NDF:30.9/22

\+ sign 0.000+/-0.000 χ^2/NDF: 42.0/55

All: -0.000+/-0.000 χ^2/NDF: 122.3/113

\- sign -0.000+/-0.000 χ^2/NDF: 78.9/57


asym_usl_atl2_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 7912182.8/31
Left Out: 0.000+/-0.000 χ²/NDF:4983727.4/23
Right Out: 0.000+/-0.000 χ²/NDF: 8064695.4/34
Left In: 0.000+/-0.000 χ²/NDF:4577795.4/22
+ sign 0.000+/-0.000 χ²/NDF: 15959305.8/55
All: 0.000+/-0.000 χ²/NDF: 31128799.9/113
- sign 0.000+/-0.000 χ²/NDF: 15160636.6/57



Right In: 2122.728+/-366.999 χ^2/NDF: 22.6/31

Left Out: 2321.067+/-366.301 χ^2/NDF:27.5/24

Right Out: -2143.261+/-364.349 χ^2/NDF: 29.5/34

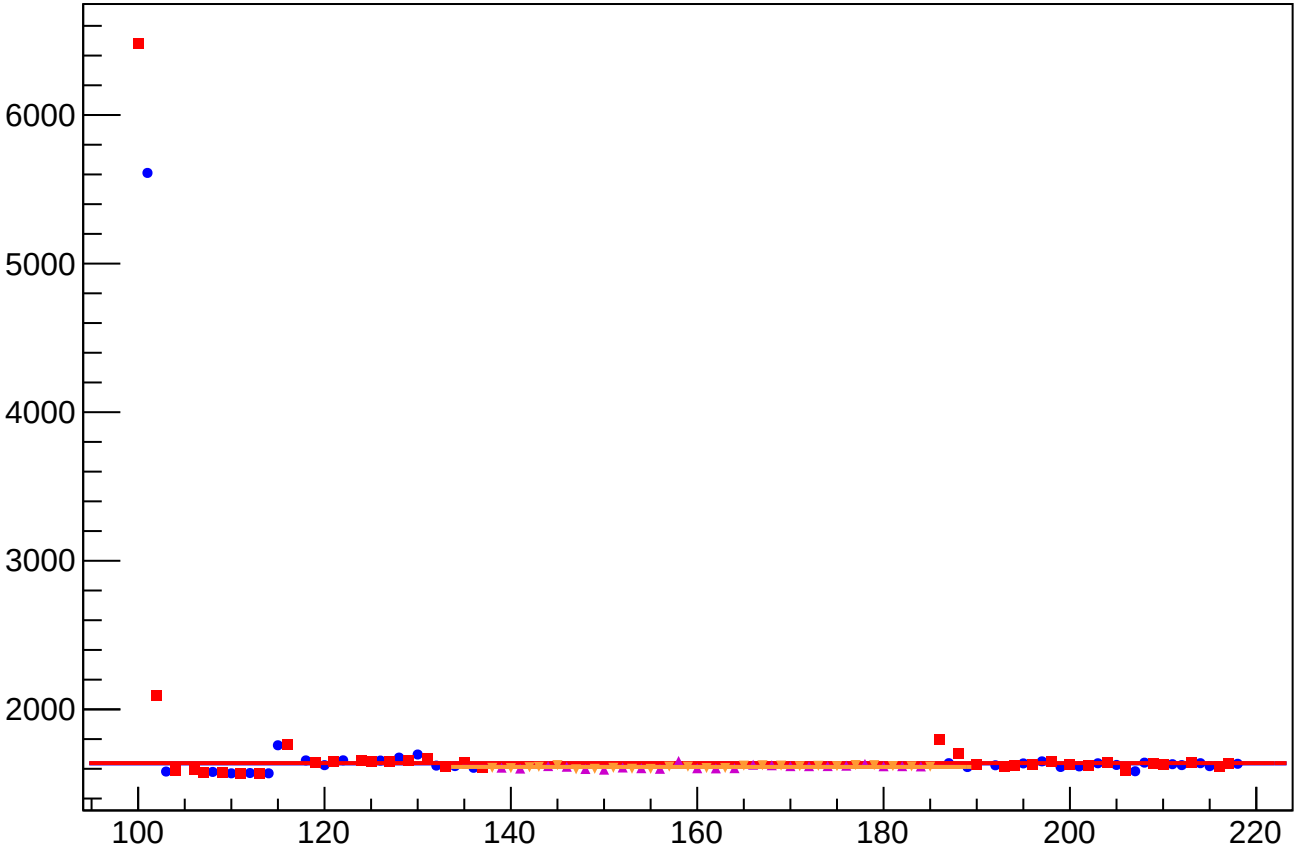
Left In: -2370.629+/-376.798 χ^2/NDF:33.7/22

+ sign 2222.086+/-259.260 χ^2/NDF: 50.3/56

All: 7.351+/-184.259 χ^2/NDF: 261.2/114

- sign -2253.127+/-261.924 χ^2/NDF: 63.4/57

reg_asym_usr_atr1_avg_rms vs Slug



Right In: 1636.261+/-0.260 χ^2/NDF: 671818.1/31

Left Out: 1612.607+/-0.259 χ^2/NDF:1172.5/24

Right Out: 1638.539+/-0.258 χ^2/NDF: 149178.5/34

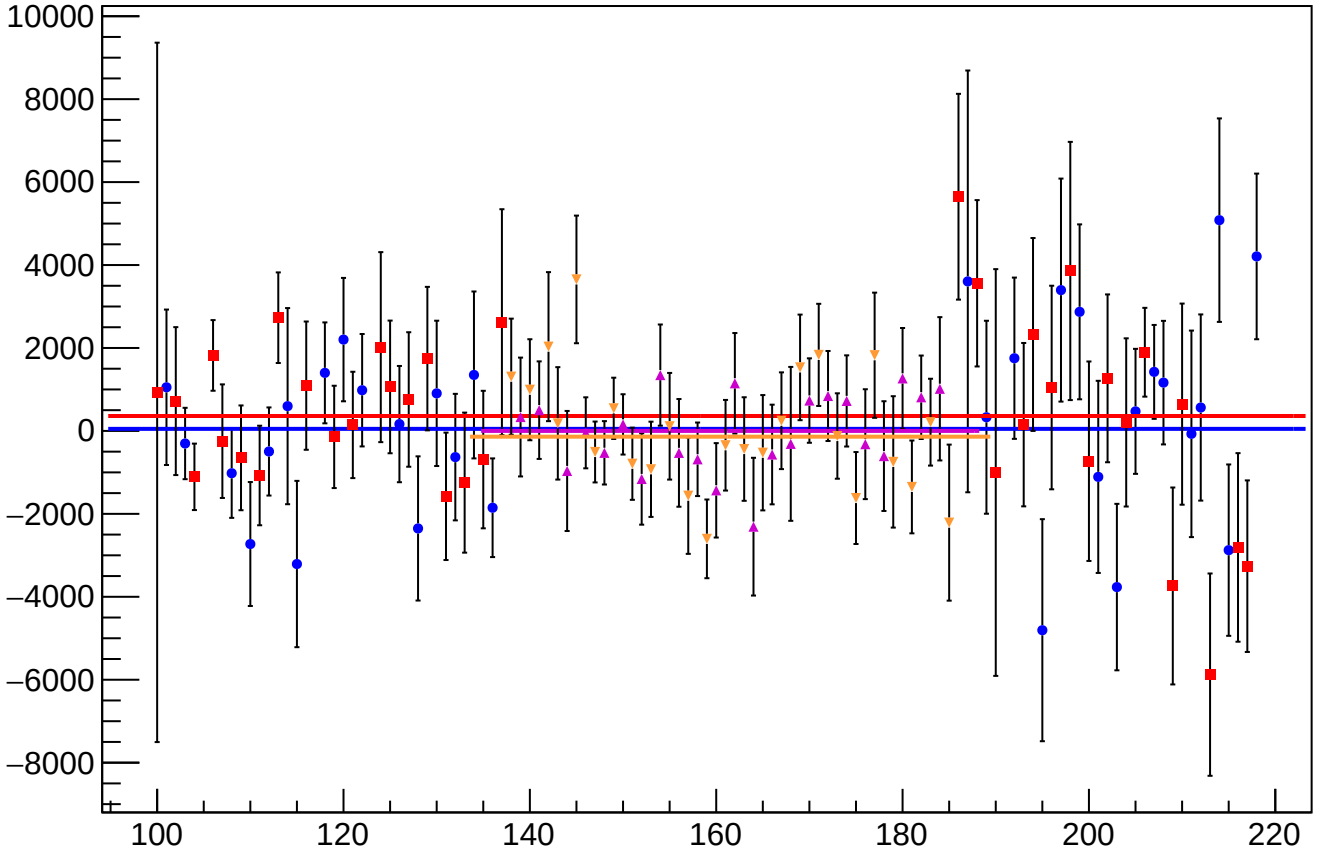
Left In: 1613.793+/-0.266 χ^2/NDF:2354.6/22

+ sign 1624.412+/-0.183 χ^2/NDF: 677152.6/56

All: 1625.486+/-0.130 χ^2/NDF: 833213.0/114

- sign 1626.582+/-0.185 χ^2/NDF: 155991.1/57

asym_usr_atr1_avg_reg_correction_mean vs Slug



Right In: 49.500+/-281.884 χ^2/NDF: 41.4/31

Left Out: -139.022+/-229.126 χ^2/NDF:30.2/24

Right Out: 359.824+/-268.721 χ^2/NDF: 45.0/34

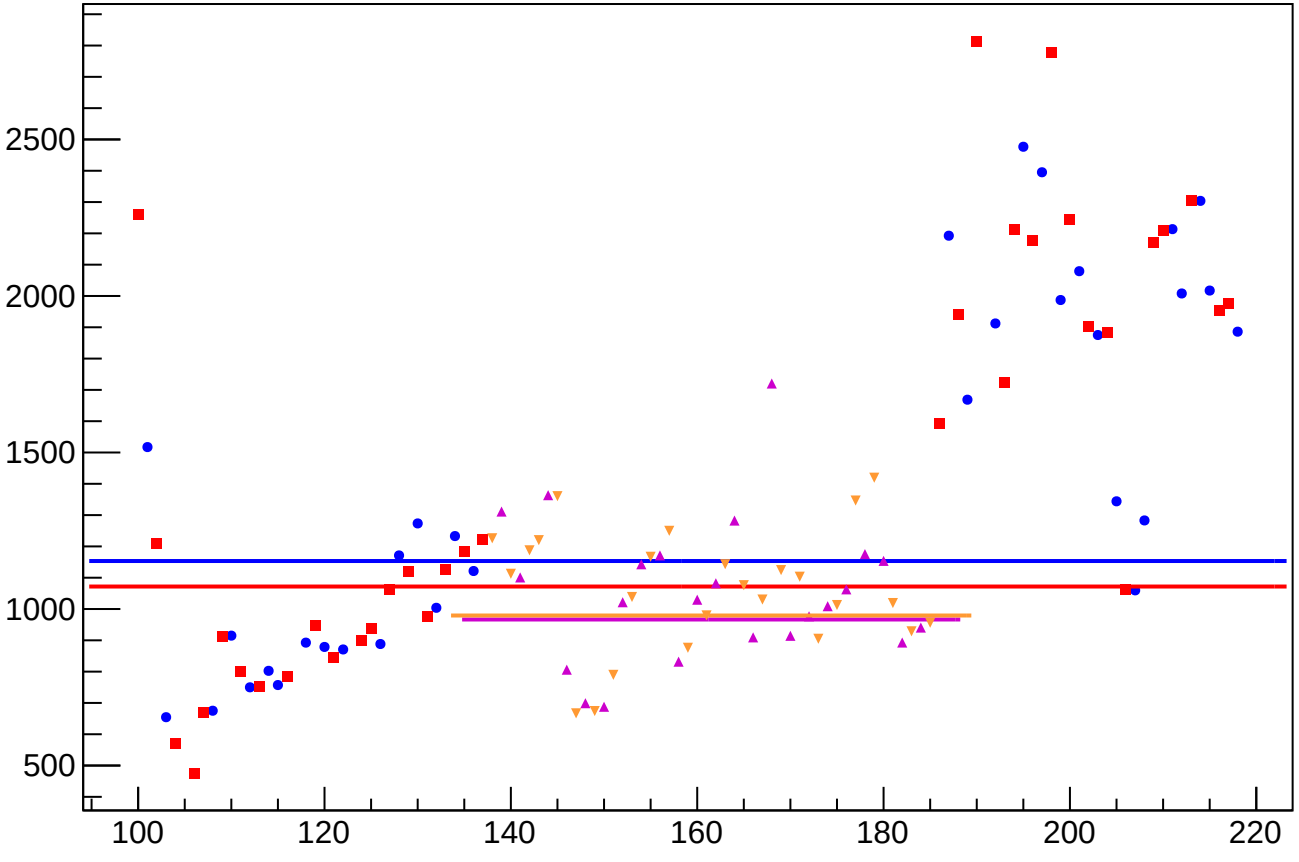
Left In: 0.092+/-231.903 χ^2/NDF:12.9/22

+ sign -64.019+/-177.799 χ^2/NDF: 71.9/56

All: 46.188+/-124.926 χ^2/NDF: 131.5/114

- sign 153.644+/-175.566 χ^2/NDF: 58.9/57

asym_usr_atr1_avg_reg_correction_rms vs Slug



Right In: 1153.332+/-0.199 χ^2/NDF: 6019597.6/31

Left Out: 979.294+/-0.162 χ^2/NDF:1630623.2/24

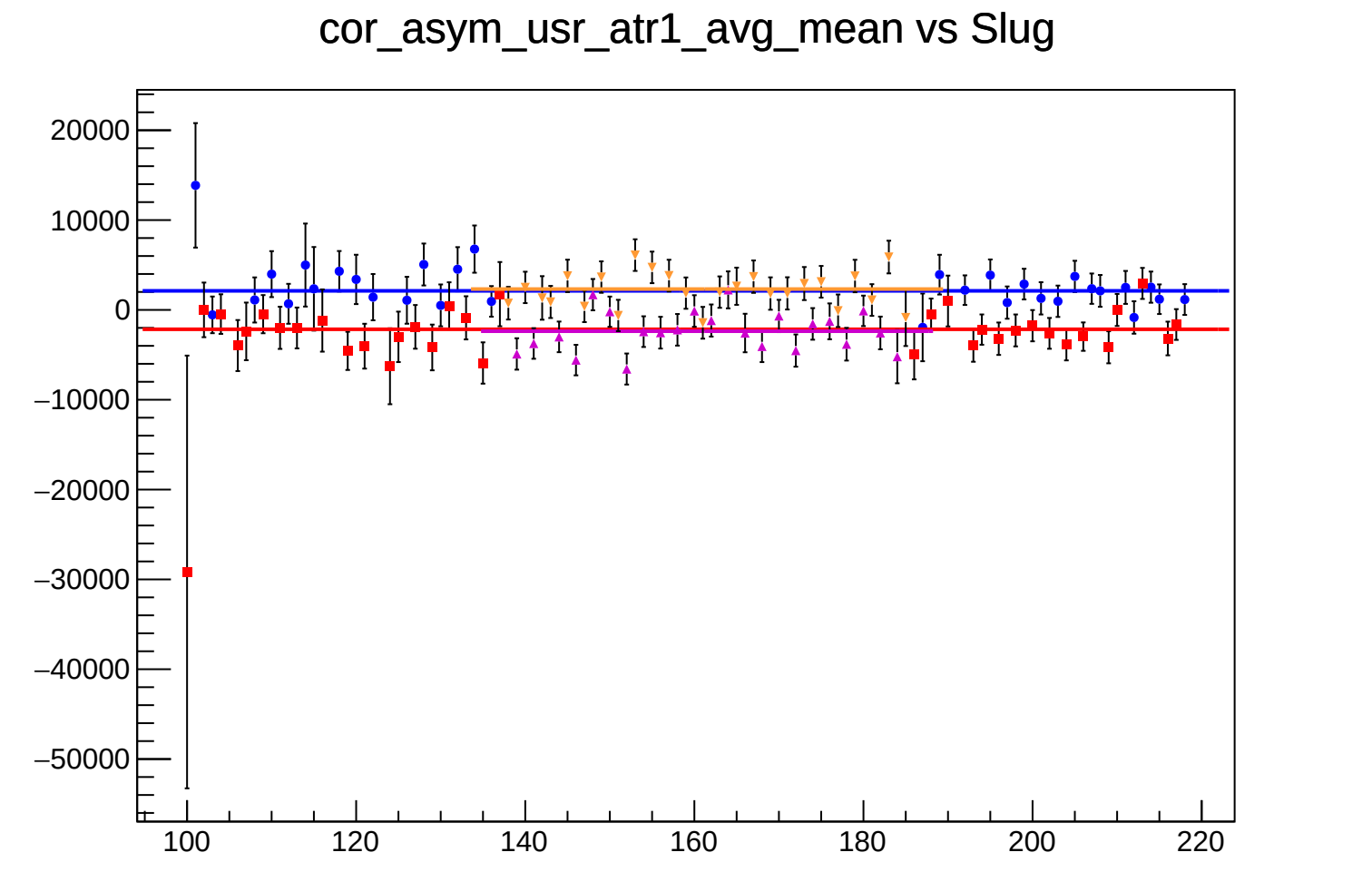
Right Out: 1071.854+/-0.190 χ^2/NDF: 8116437.0/34

Left In: 966.526+/-0.164 χ^2/NDF:1602596.2/22

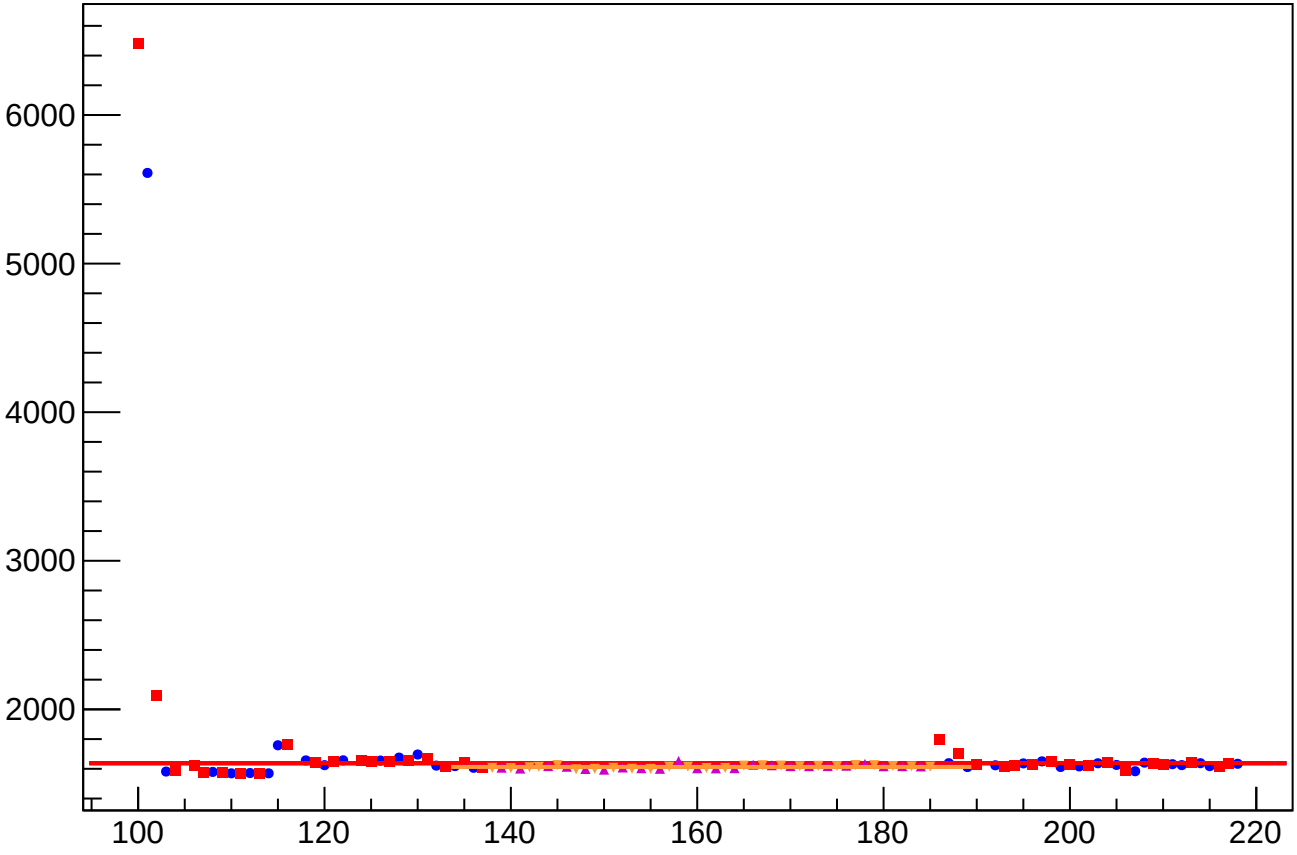
+ sign 1048.535+/-0.126 χ^2/NDF: 8109293.3/56

All: 1029.776+/-0.088 χ^2/NDF: 18048405.2/1

- sign 1011.485+/-0.124 χ^2/NDF: 9895141.6/57


cor_asym_usr_atr1_avg_mean vs Slug
20000
10000
0
−10000
−20000
−30000
−40000
−50000
100
120
140
160
180
200
220
Right In: 2122.494+/-366.999 χ²/NDF: 22.6/31
Left Out: 2321.025+/-366.301 χ²/NDF:27.5/24
Right Out: -2155.323+/-364.456 χ²/NDF: 29.8/34
Left In: -2370.700+/-376.798 χ²/NDF:33.7/22
+ sign 2221.948+/-259.260 χ²/NDF: 50.3/56
All: 4.504+/-184.273 χ²/NDF: 261.8/114
- sign -2259.426+/-261.964 χ²/NDF: 63.7/57

cor_asym_usr_atr1_avg_rms vs Slug



Right In: 1636.261+/-0.260 χ^2/NDF: 671817.7/31

Left Out: 1612.607+/-0.259 χ^2/NDF:1172.5/24

Right Out: 1639.002+/-0.258 χ^2/NDF: 148738.0/34

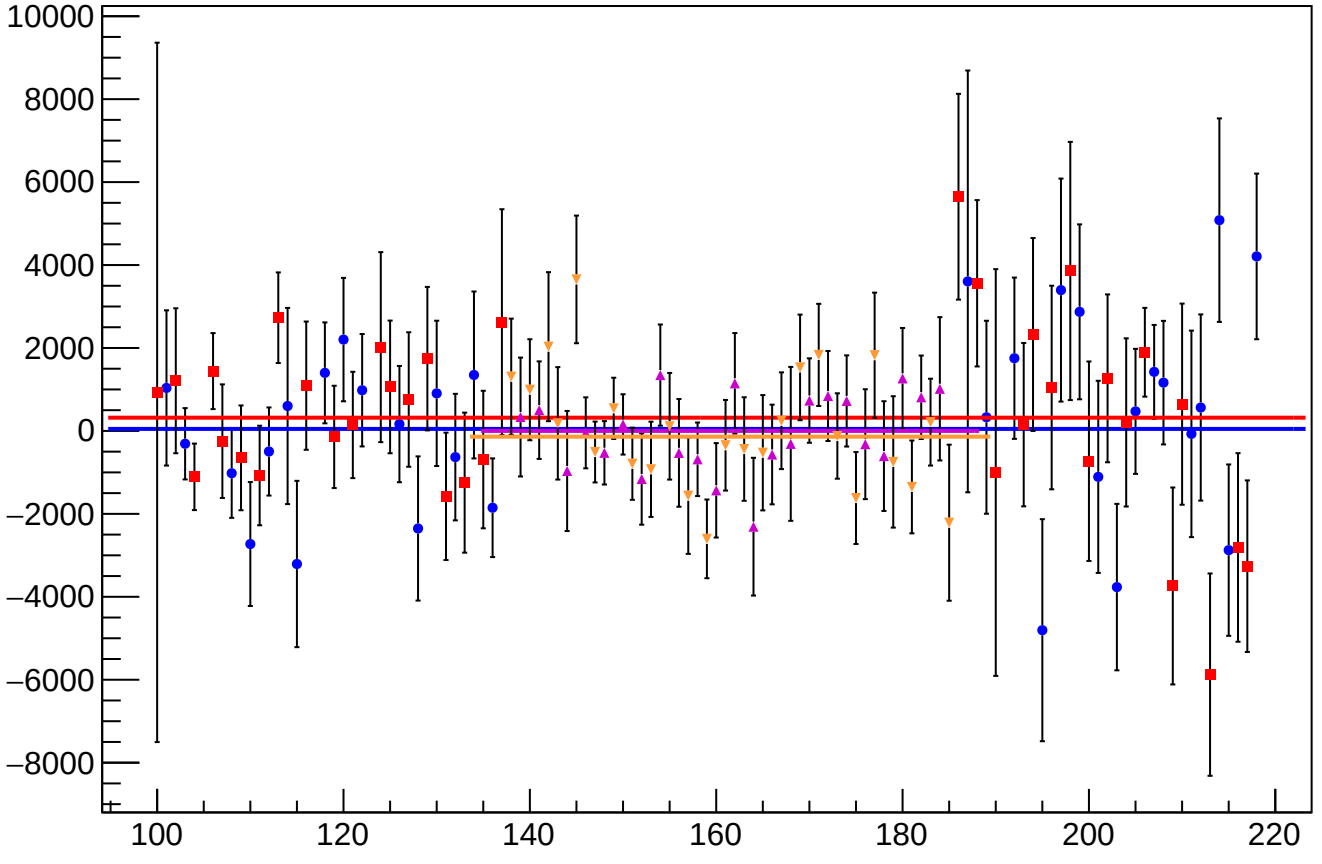
Left In: 1613.793+/-0.266 χ^2/NDF:2354.6/22

+ sign 1624.412+/-0.183 χ^2/NDF: 677152.1/56

All: 1625.602+/-0.130 χ^2/NDF: 832954.8/114

- sign 1626.817+/-0.185 χ^2/NDF: 155717.5/57

asym_usr_atr1_avg_cor_correction_mean vs Slug



Right In: 48.549+/-281.859 χ^2/NDF: 41.4/31

Left Out: -139.074+/-229.125 χ^2/NDF:30.2/24

Right Out: 319.107+/-270.470 χ^2/NDF: 43.6/34

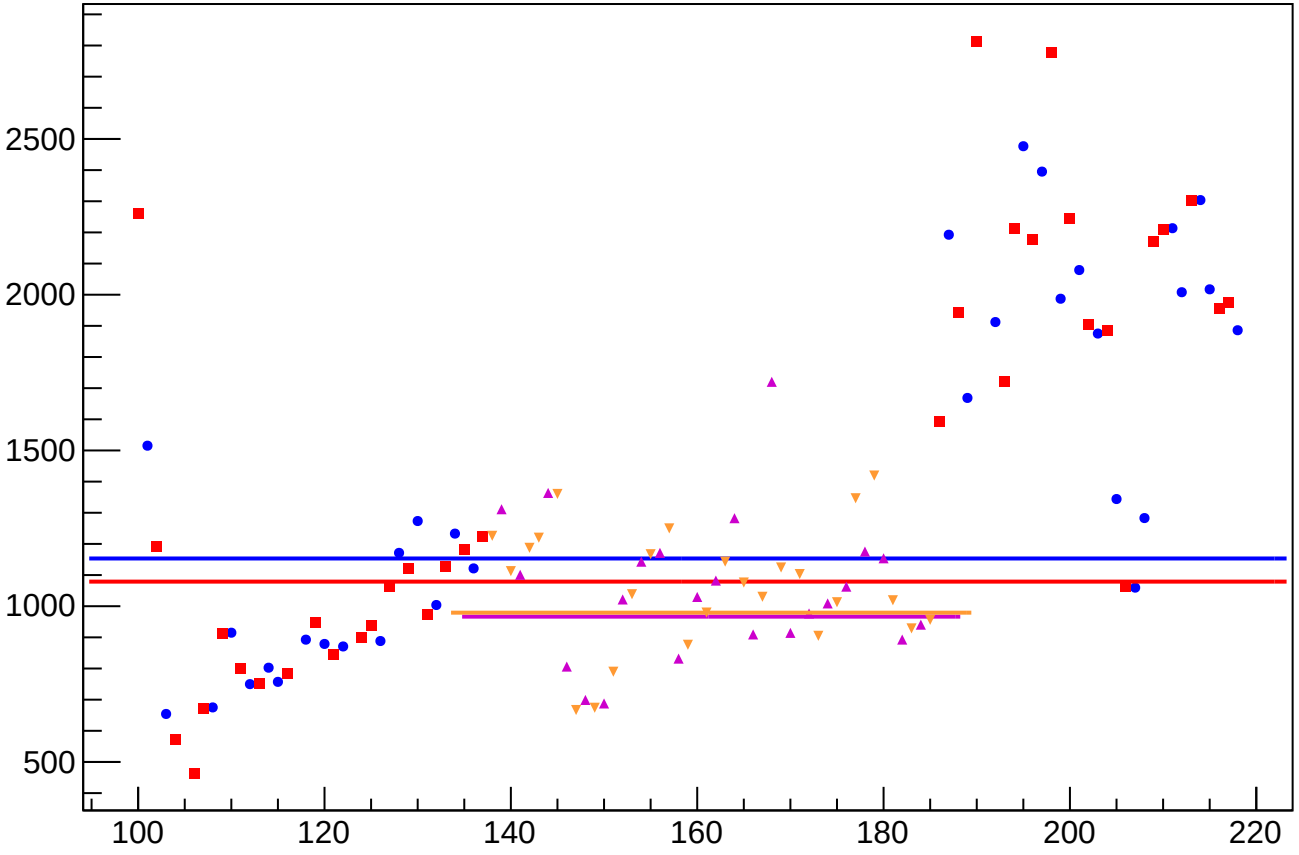
Left In: 0.068+/-231.904 χ^2/NDF:12.9/22

+ sign -64.421+/-177.792 χ^2/NDF: 71.9/56

All: 36.391+/-125.098 χ^2/NDF: 129.8/114

- sign 135.239+/-176.051 χ^2/NDF: 57.3/57

asym_usr_atr1_avg_cor_correction_rms vs Slug



Right In: 1153.217+/-0.199 χ^2/NDF: 6020580.4/31

Left Out: 979.288+/-0.162 χ^2/NDF:1630731.2/24

Right Out: 1078.955+/-0.191 χ^2/NDF: 8007258.1/34

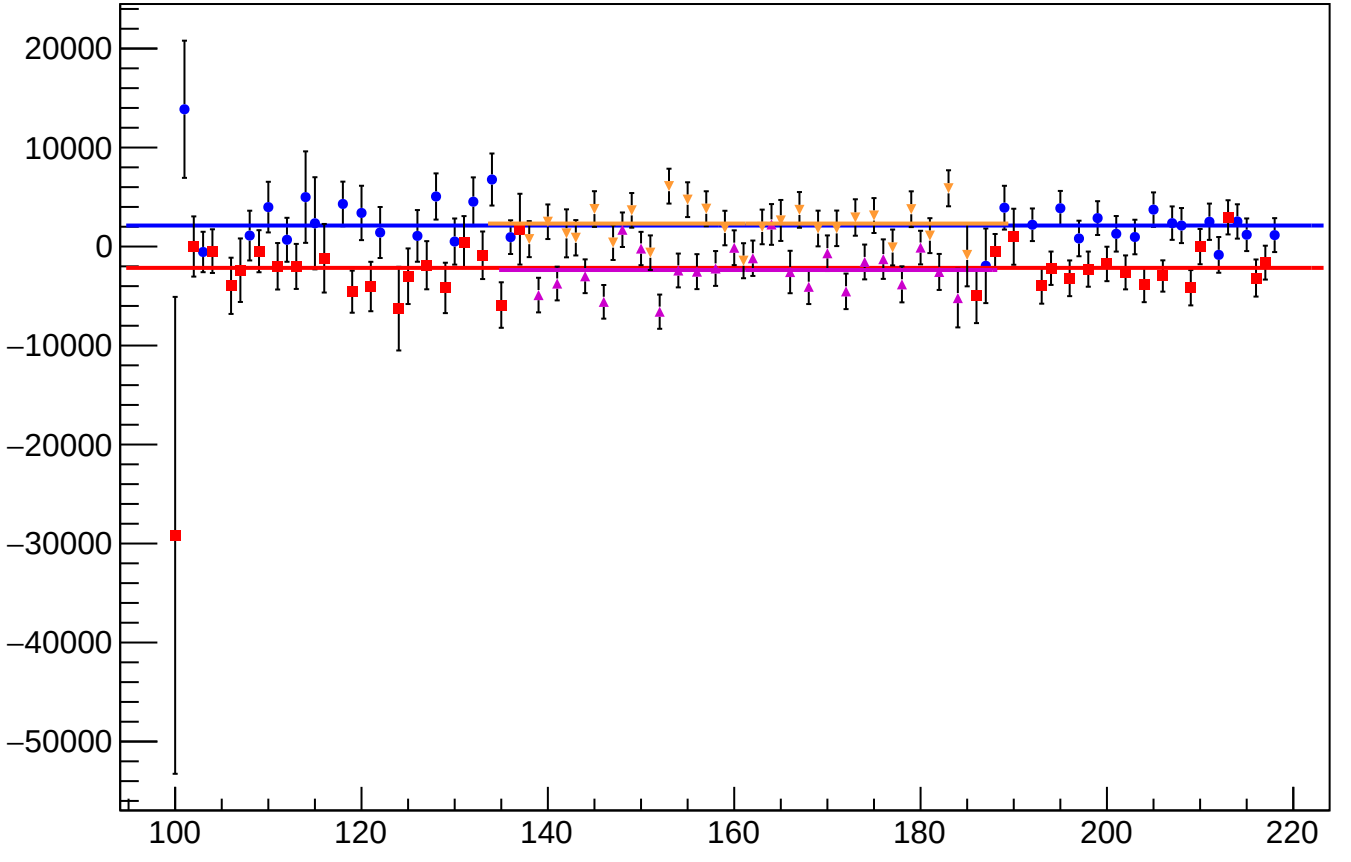
Left In: 966.531+/-0.164 χ^2/NDF:1602562.1/22

+ sign 1048.493+/-0.126 χ^2/NDF: 8109864.3/56

All: 1031.159+/-0.088 χ^2/NDF: 17956479.0/1

- sign 1014.163+/-0.124 χ^2/NDF: 9808965.8/57

eigen_cor_asym_usr_atr1_avg_mean vs Slug



Right In: 2122.494+/-366.999 χ^2/NDF: 22.6/31

Left Out: 2321.025+/-366.301 χ^2/NDF:27.5/24

Right Out: -2155.323+/-364.456 χ^2/NDF: 29.8/34

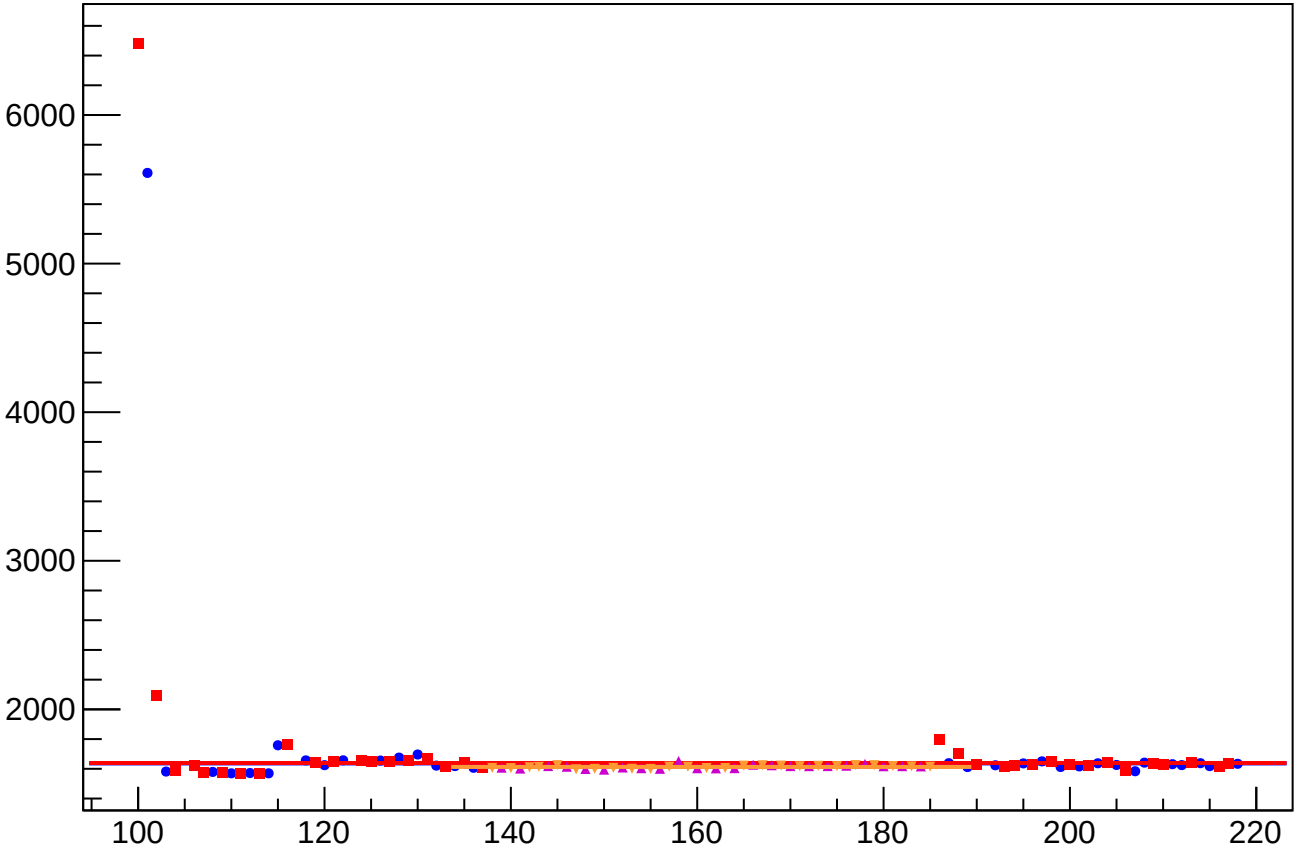
Left In: -2370.700+/-376.798 χ^2/NDF:33.7/22

+ sign 2221.948+/-259.260 χ^2/NDF: 50.3/56

All: 4.504+/-184.273 χ^2/NDF: 261.8/114

- sign -2259.426+/-261.964 χ^2/NDF: 63.7/57

eigen_cor_asym_usr_atr1_avg_rms vs Slug



Right In: 1636.261+/-0.260 χ^2/NDF: 671817.7/31

Left Out: 1612.607+/-0.259 χ^2/NDF:1172.5/24

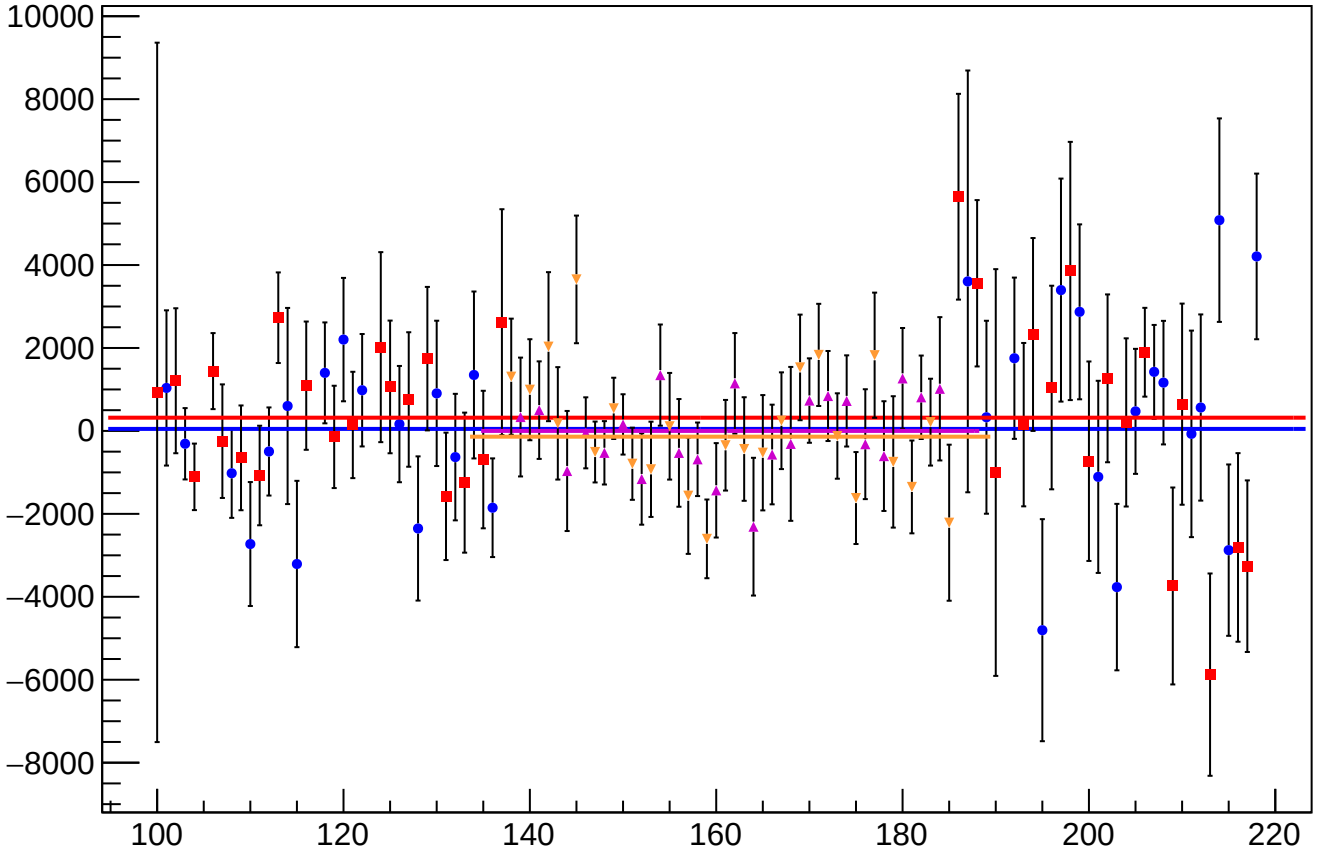
Right Out: 1639.002+/-0.258 χ^2/NDF: 148738.0/34

Left In: 1613.793+/-0.266 χ^2/NDF:2354.6/22

+ sign 1624.412+/-0.183 χ^2/NDF: 677152.1/56

All: 1625.602+/-0.130 χ^2/NDF: 832954.8/114

- sign 1626.817+/-0.185 χ^2/NDF: 155717.5/57



Right In: 48.549+/-281.859 χ^2/NDF: 41.4/31

Left Out: -139.074+/-229.125 χ^2/NDF:30.2/24

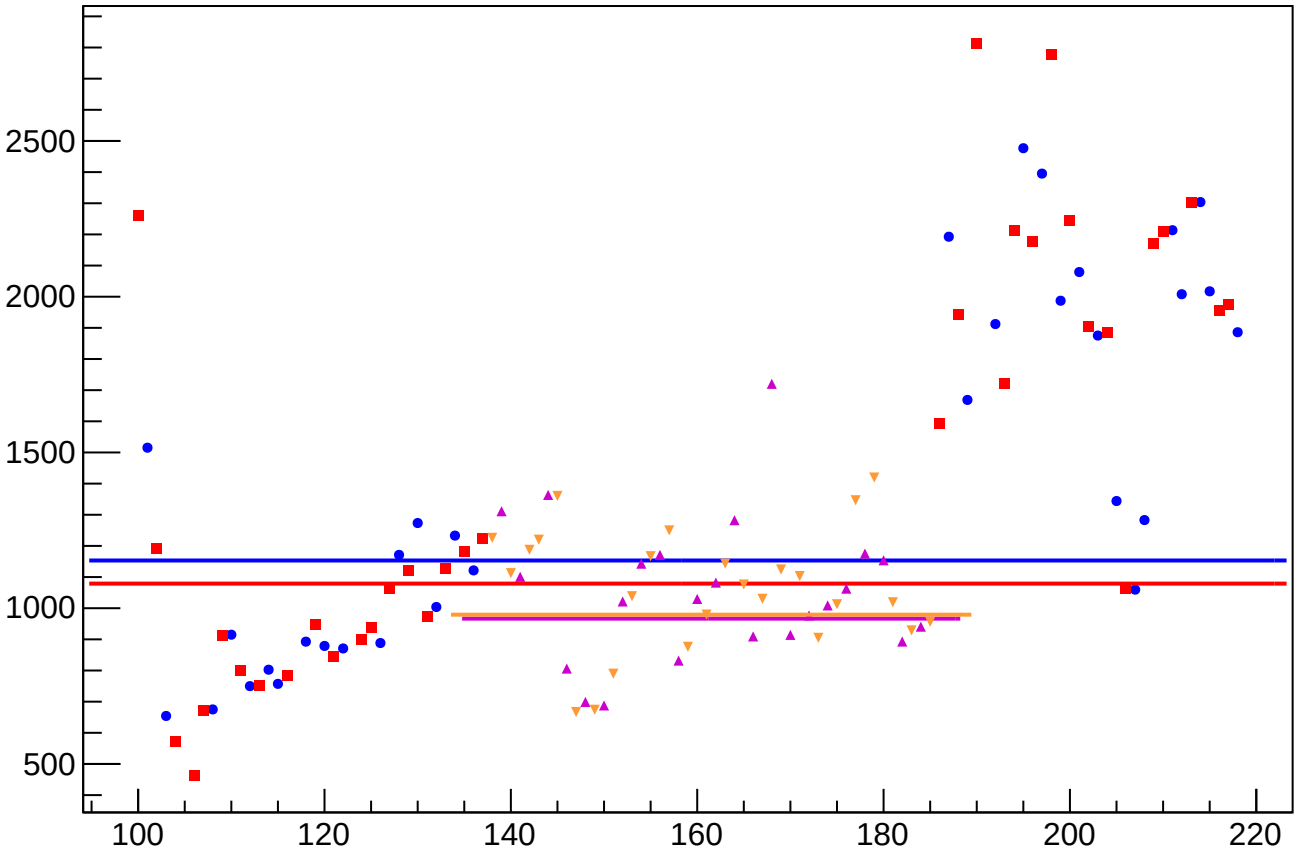
Right Out: 319.107+/-270.470 χ^2/NDF: 43.6/34

Left In: 0.068+/-231.904 χ^2/NDF:12.9/22

+ sign -64.421+/-177.792 χ^2/NDF: 71.9/56

All: 36.391+/-125.098 χ^2/NDF: 129.8/114

- sign 135.239+/-176.051 χ^2/NDF: 57.3/57



Right In: 1153.217+/-0.199 χ^2/NDF: 6020580.4/31

Left Out: 979.288+/-0.162 χ^2/NDF:1630731.2/24

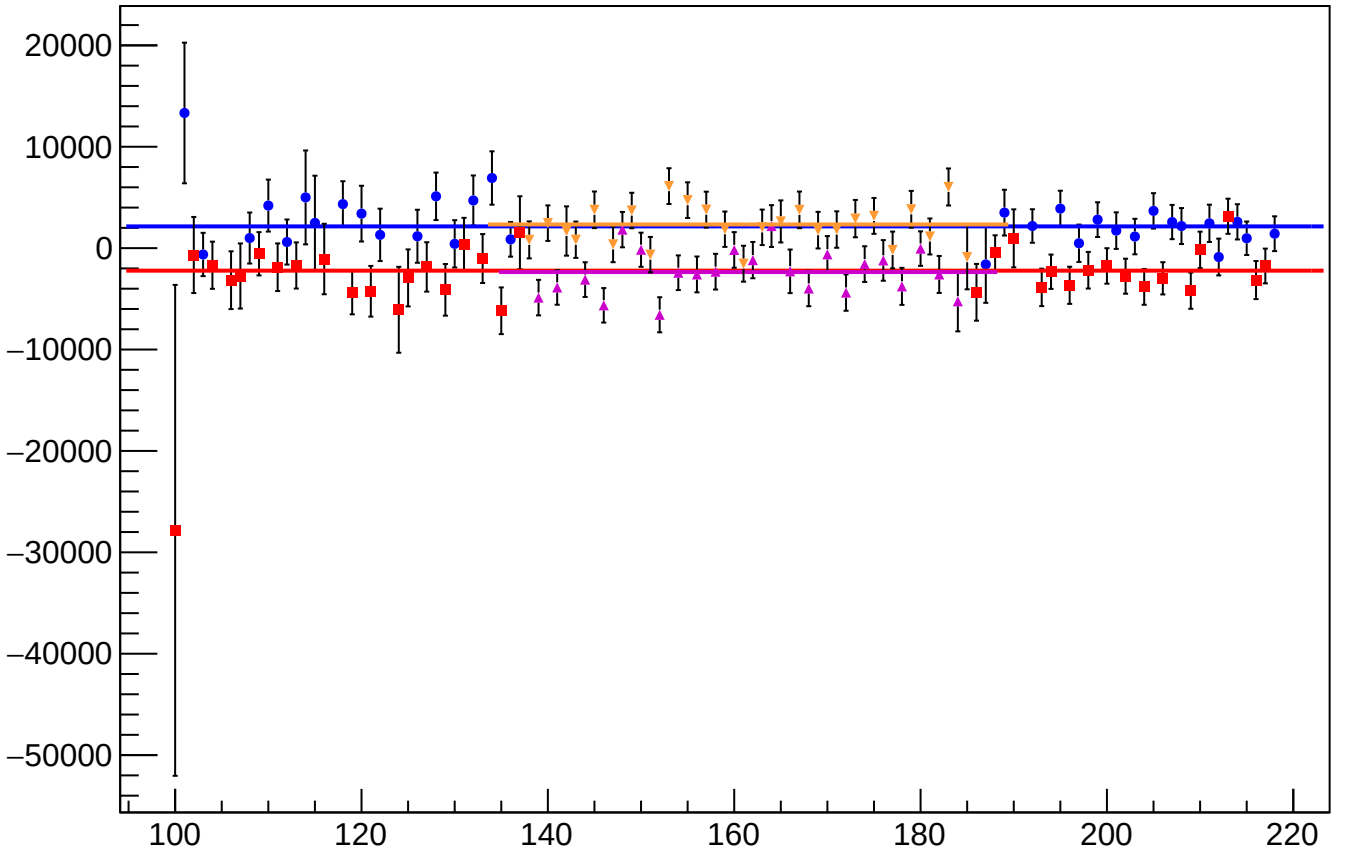
Right Out: 1078.955+/-0.191 χ^2/NDF: 8007258.1/34

Left In: 966.531+/-0.164 χ^2/NDF:1602562.1/22

+ sign 1048.493+/-0.126 χ^2/NDF: 8109864.3/56

All: 1031.159+/-0.088 χ^2/NDF: 17956479.0/1

- sign 1014.163+/-0.124 χ^2/NDF: 9808965.8/57



Right In: 2144.845+/-368.983 χ^2/NDF: 22.5/31

Left Out: 2334.840+/-366.991 χ^2/NDF:28.3/24

Right Out: -2219.395+/-367.398 χ^2/NDF: 28.6/34

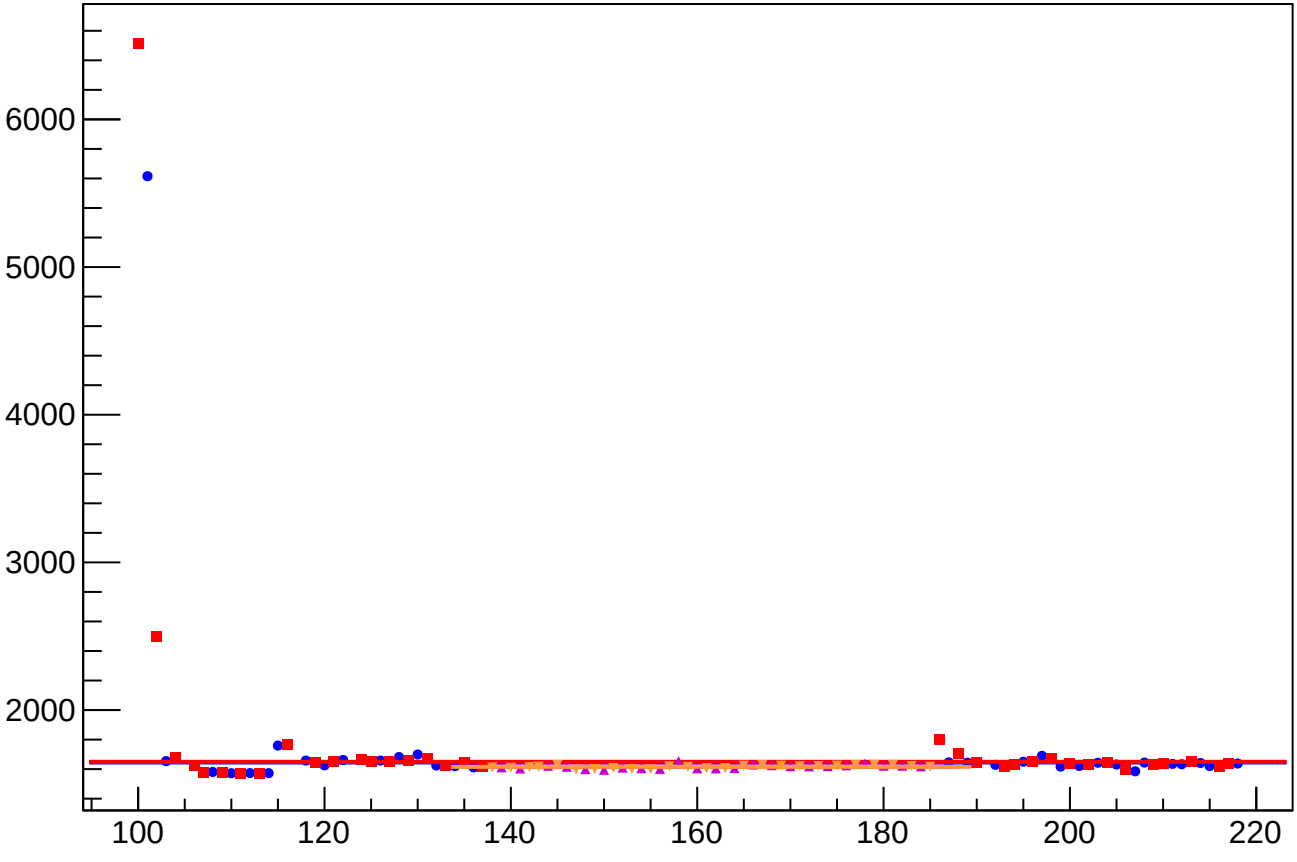
Left In: -2360.289+/-377.400 χ^2/NDF:34.0/22

+ sign 2240.357+/-260.203 χ^2/NDF: 50.9/56

All: 2.601+/-185.061 χ^2/NDF: 263.3/114

- sign -2287.950+/-263.255 χ^2/NDF: 62.7/57

dit_asym_usr_atr1_avg_rms vs Slug



Right In: 1645.010+/-0.261 χ^2/NDF: 670707.6/31

Left Out: 1615.633+/-0.260 χ^2/NDF:1447.2/24

Right Out: 1649.494+/-0.260 χ^2/NDF: 206337.1/34

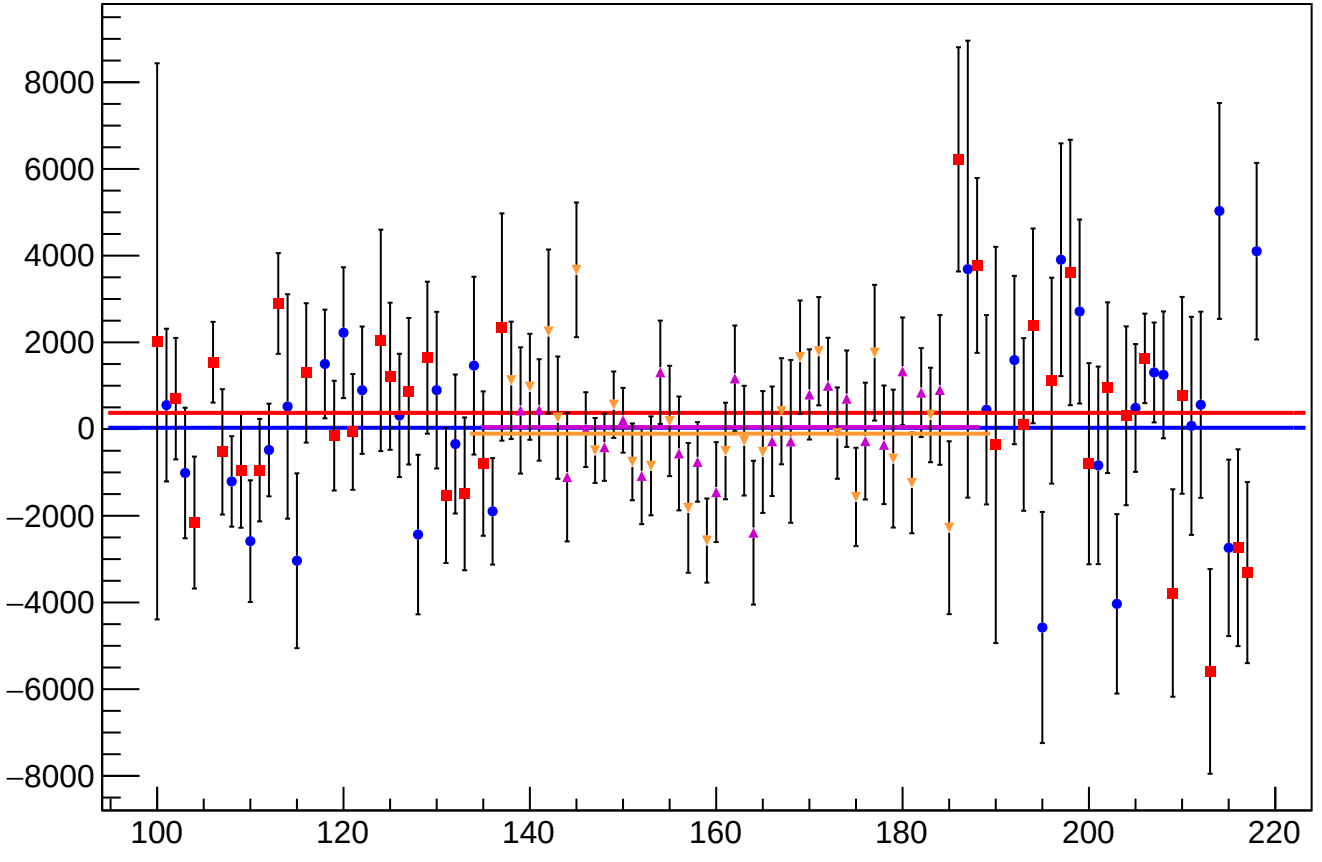
Left In: 1616.361+/-0.267 χ^2/NDF:2557.7/22

+ sign 1630.242+/-0.184 χ^2/NDF: 678527.5/56

All: 1631.789+/-0.131 χ^2/NDF: 895480.0/114

- sign 1633.372+/-0.186 χ^2/NDF: 216809.4/57

asym_usr_atr1_avg_dit_correction_mean vs Slug



Right In: 29.766+/-294.563 χ^2/NDF: 40.7/31

Left Out: -106.338+/-234.306 χ^2/NDF:29.0/24

Right Out: 373.560+/-284.149 χ^2/NDF: 43.7/34

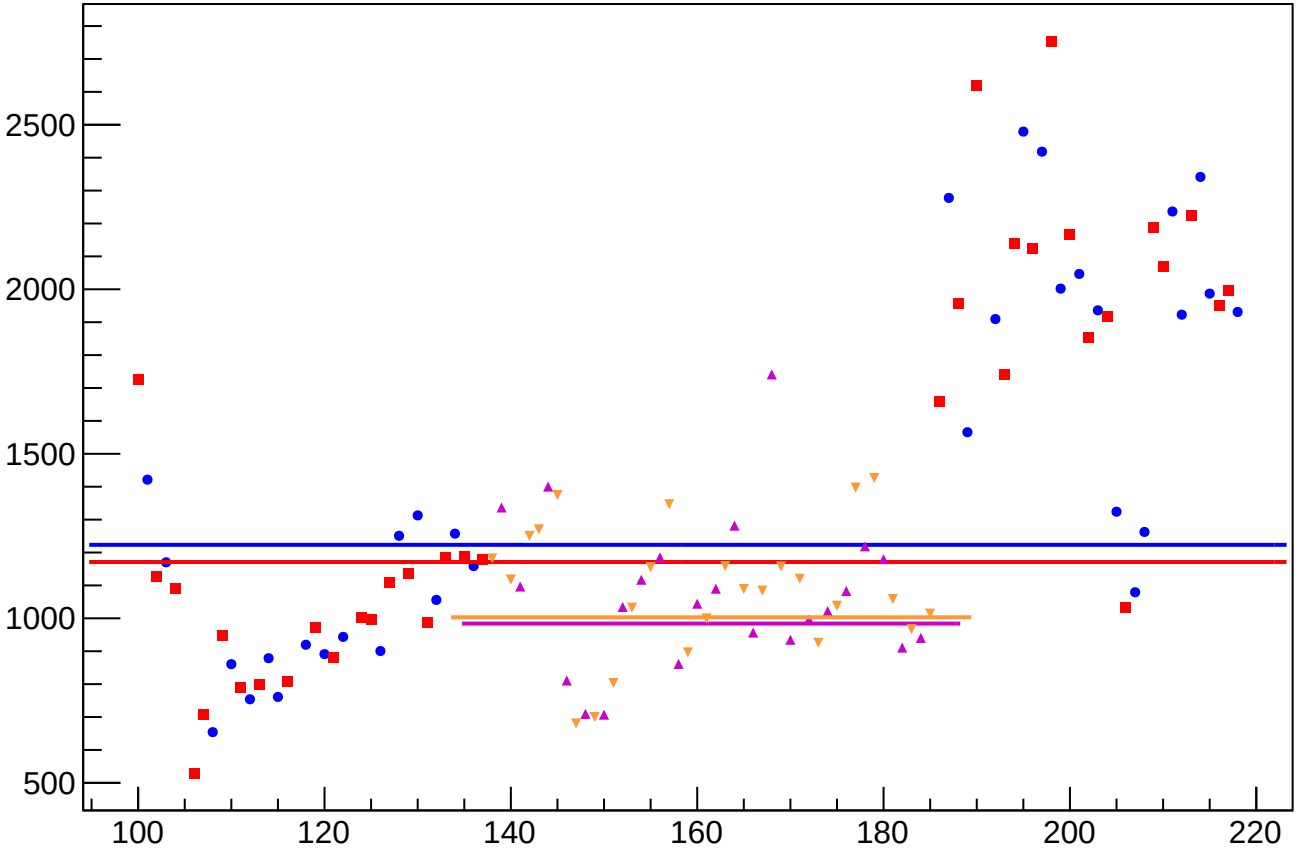
Left In: 44.469+/-235.733 χ^2/NDF:12.8/22

+ sign -53.594+/-183.370 χ^2/NDF: 69.9/56

All: 63.754+/-128.970 χ^2/NDF: 128.0/114

- sign 178.630+/-181.427 χ^2/NDF: 57.3/57

asym_usr_atr1_avg_dit_correction_rms vs Slug



Right In: 1223.328+/-0.208 χ^2/NDF: 5199414.9/31

Left Out: 1003.101+/-0.166 χ^2/NDF:1598415.6/24

Right Out: 1171.193+/-0.201 χ^2/NDF: 6454866.0/34

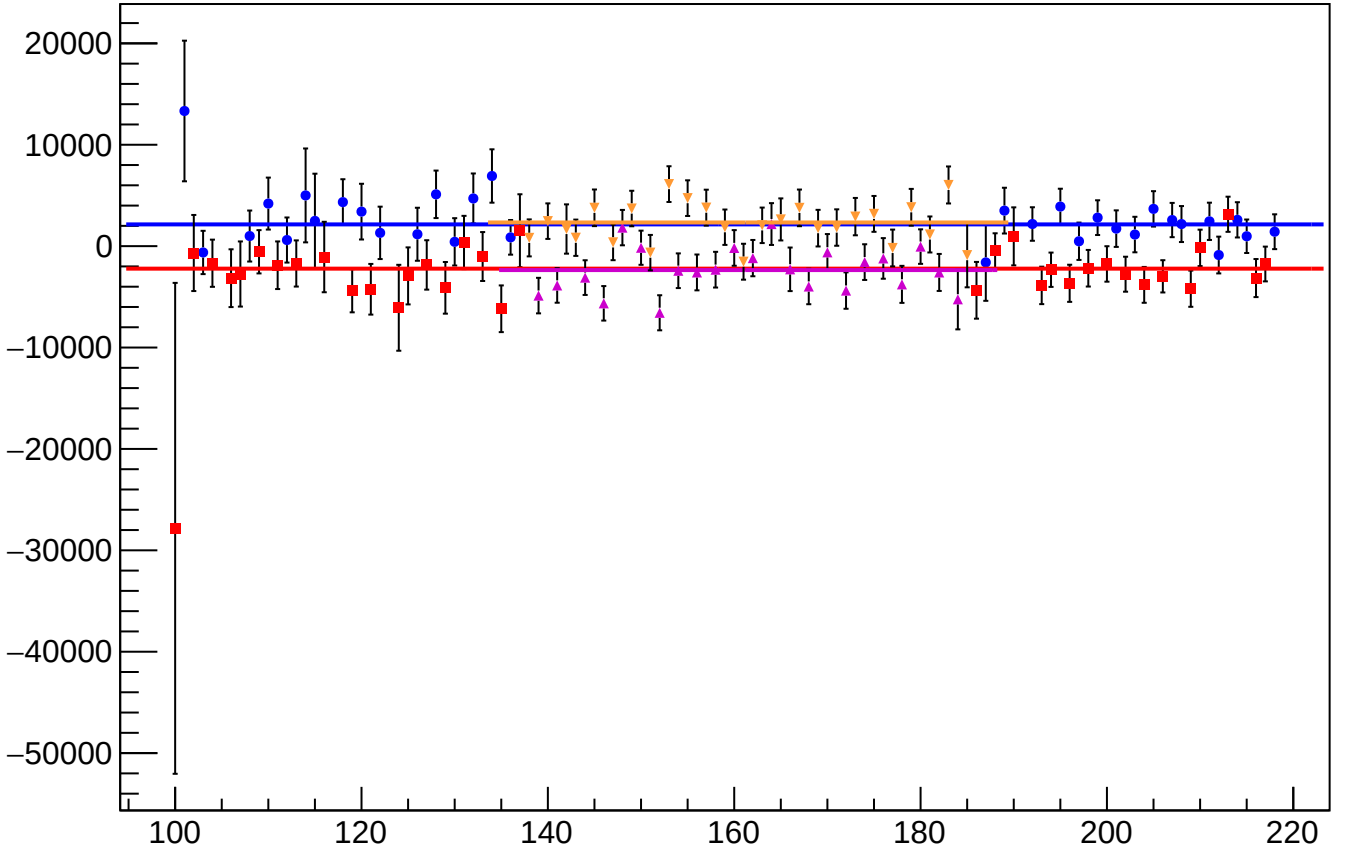
Left In: 984.053+/-0.167 χ^2/NDF:1559561.5/22

+ sign 1088.444+/-0.130 χ^2/NDF: 7482538.3/56

All: 1074.245+/-0.091 χ^2/NDF: 16034542.2/1

- sign 1060.345+/-0.128 χ^2/NDF: 8528271.4/57

eigen_dit_asym_usr_atr1_avg_mean vs Slug



Right In: 2144.847+/-368.983 χ^2/NDF: 22.5/31

Left Out: 2334.839+/-366.991 χ^2/NDF:28.3/24

Right Out: -2219.395+/-367.398 χ^2/NDF: 28.6/34

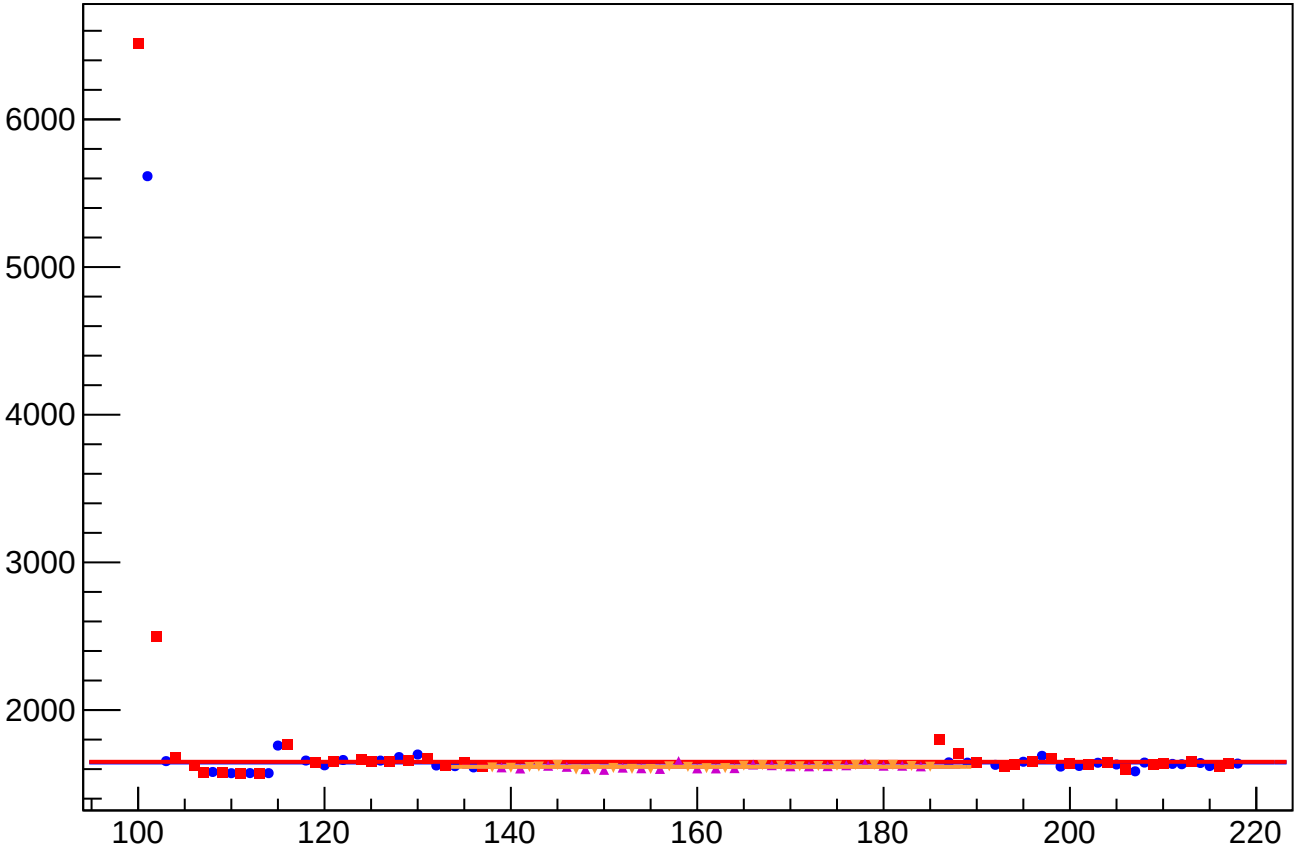
Left In: -2360.289+/-377.400 χ^2/NDF:34.0/22

+ sign 2240.357+/-260.203 χ^2/NDF: 50.9/56

All: 2.601+/-185.061 χ^2/NDF: 263.3/114

- sign -2287.950+/-263.255 χ^2/NDF: 62.7/57

eigen_dit_asym_usr_atr1_avg_rms vs Slug



Right In: 1645.009+/-0.261 χ^2/NDF: 670707.6/31

Left Out: 1615.633+/-0.260 χ^2/NDF:1447.2/24

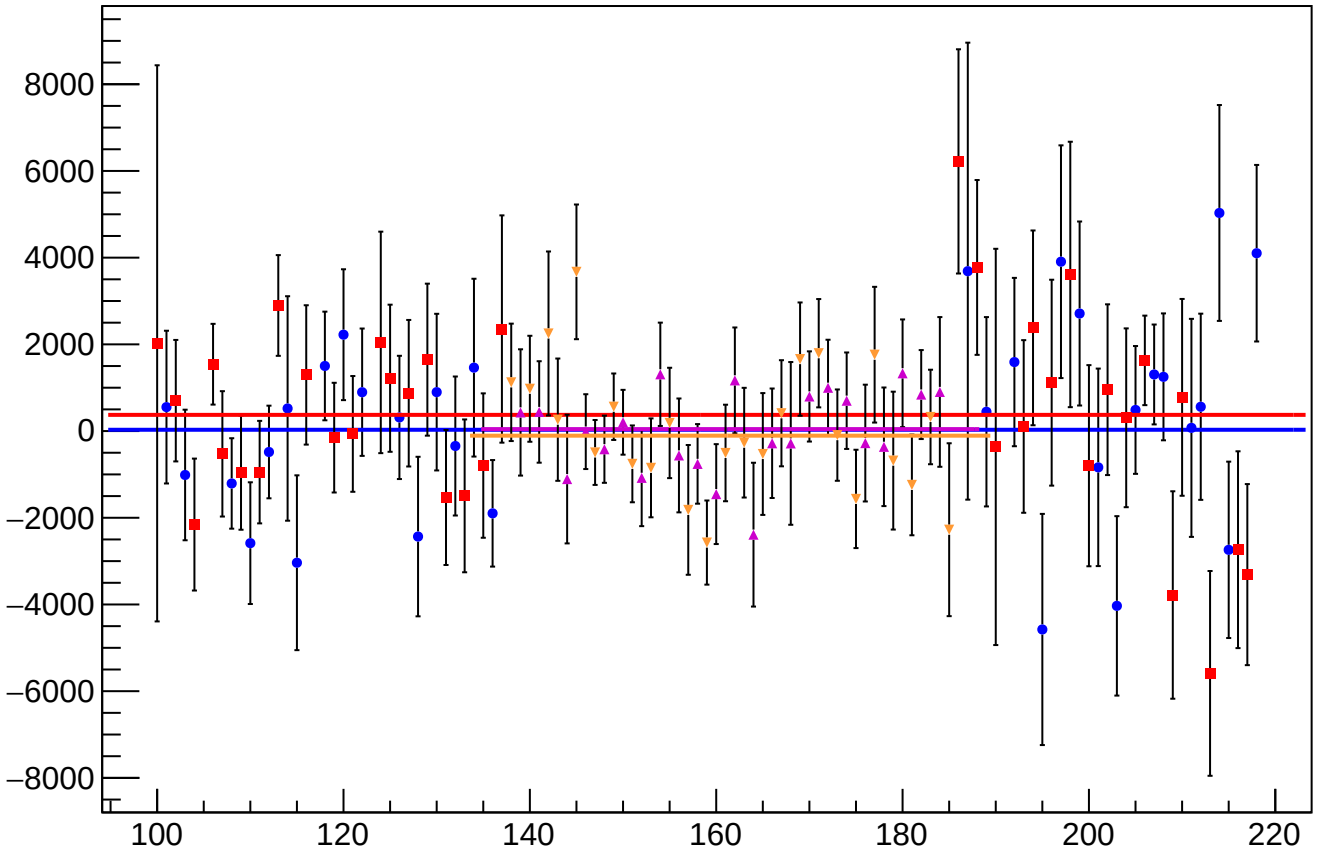
Right Out: 1649.494+/-0.260 χ^2/NDF: 206337.0/34

Left In: 1616.361+/-0.267 χ^2/NDF:2557.7/22

+ sign 1630.242+/-0.184 χ^2/NDF: 678527.5/56

All: 1631.789+/-0.131 χ^2/NDF: 895479.8/114

- sign 1633.372+/-0.186 χ^2/NDF: 216809.2/57



Right In: 29.765+/-294.563 χ^2/NDF: 40.7/31

Left Out: -106.340+/-234.307 χ^2/NDF:29.0/24

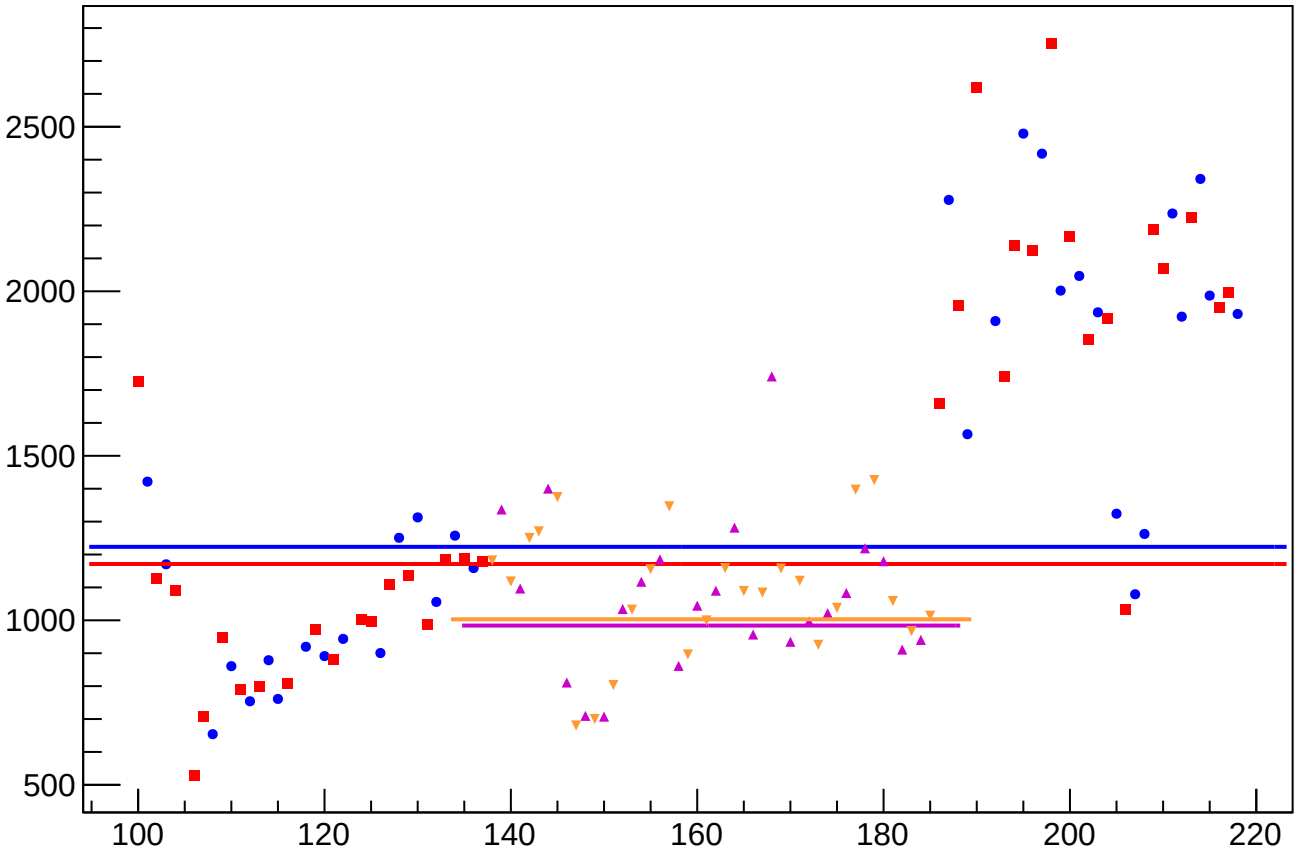
Right Out: 373.558+/-284.149 χ^2/NDF: 43.7/34

Left In: 44.468+/-235.733 χ^2/NDF:12.8/22

\+ sign -53.596+/-183.370 χ^2/NDF: 69.9/56

All: 63.754+/-128.970 χ^2/NDF: 128.0/114

\- sign 178.630+/-181.427 χ^2/NDF: 57.3/57



Right In: 1223.325+/-0.208 χ^2/NDF: 5199476.7/31

Left Out: 1003.103+/-0.166 χ^2/NDF:1598417.7/24

Right Out: 1171.190+/-0.201 χ^2/NDF: 6454909.4/34

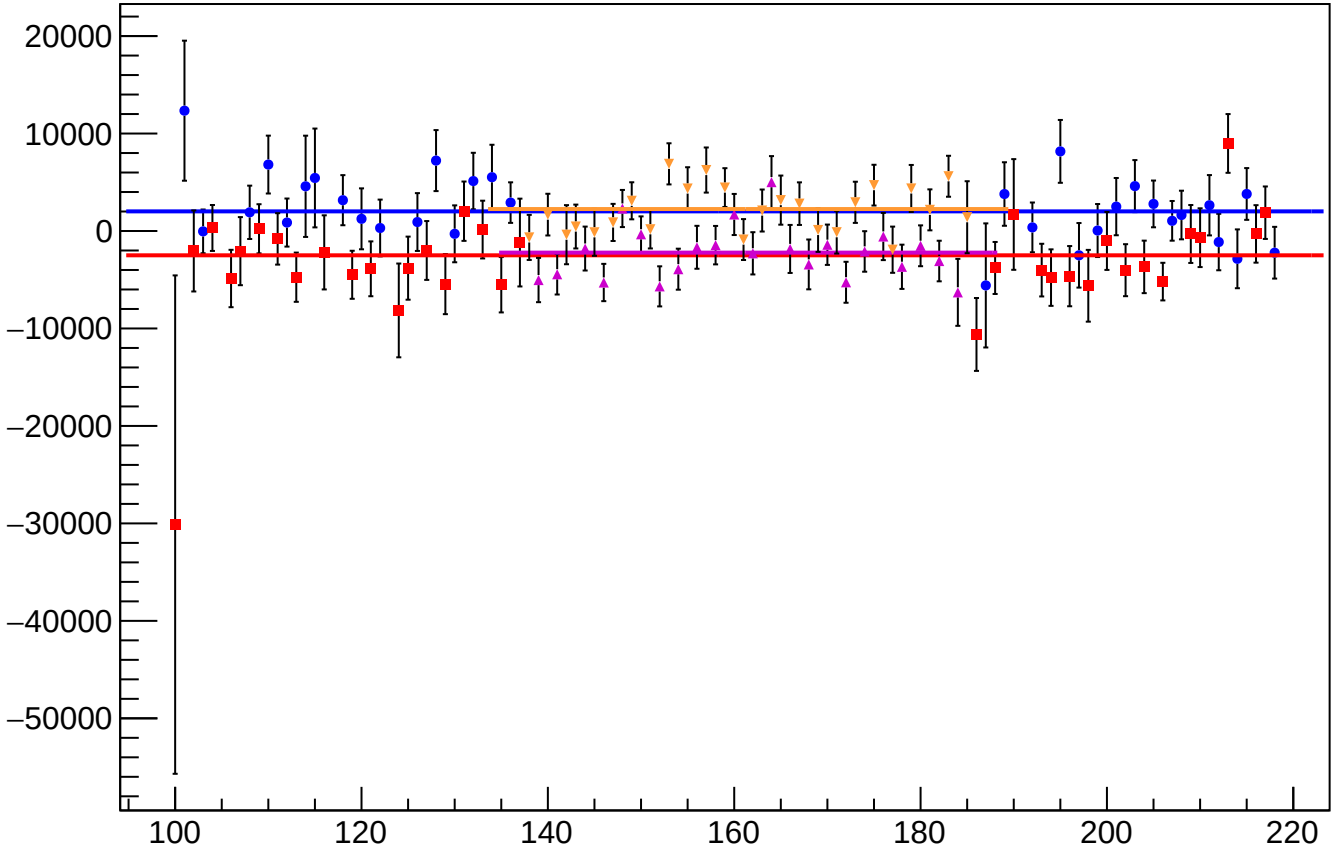
Left In: 984.055+/-0.167 χ^2/NDF:1559563.7/22

+ sign 1088.445+/-0.130 χ^2/NDF: 7482570.1/56

All: 1074.246+/-0.091 χ^2/NDF: 16034594.6/1

- sign 1060.345+/-0.128 χ^2/NDF: 8528291.9/57

asym_usr_atr1_avg_mean vs Slug



Right In: 2014.047+/-506.722 χ^2/NDF: 29.3/31

Left Out: 2252.380+/-442.213 χ^2/NDF:28.3/24

Right Out: -2494.432+/-504.562 χ^2/NDF: 42.2/34

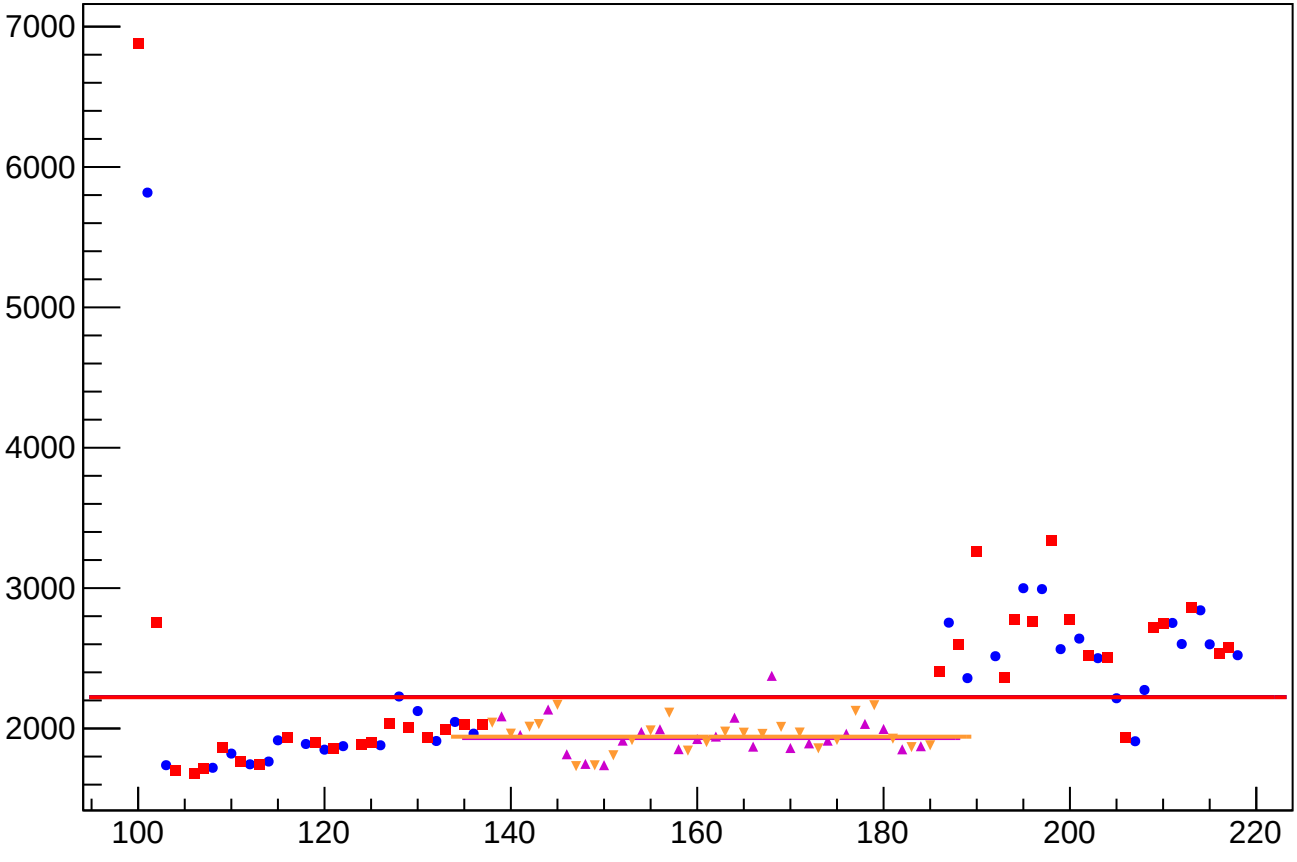
Left In: -2219.401+/-452.286 χ^2/NDF:31.5/22

+ sign 2149.341+/-333.180 χ^2/NDF: 57.8/56

All: -72.127+/-236.858 χ^2/NDF: 221.5/114

- sign -2341.935+/-336.785 χ^2/NDF: 73.9/57

asym_usr_atr1_avg_rms vs Slug



Right In: 2224.206+/-0.358 χ^2/NDF: 1628341.9/31

Left Out: 1941.583+/-0.313 χ^2/NDF:139011.4/24

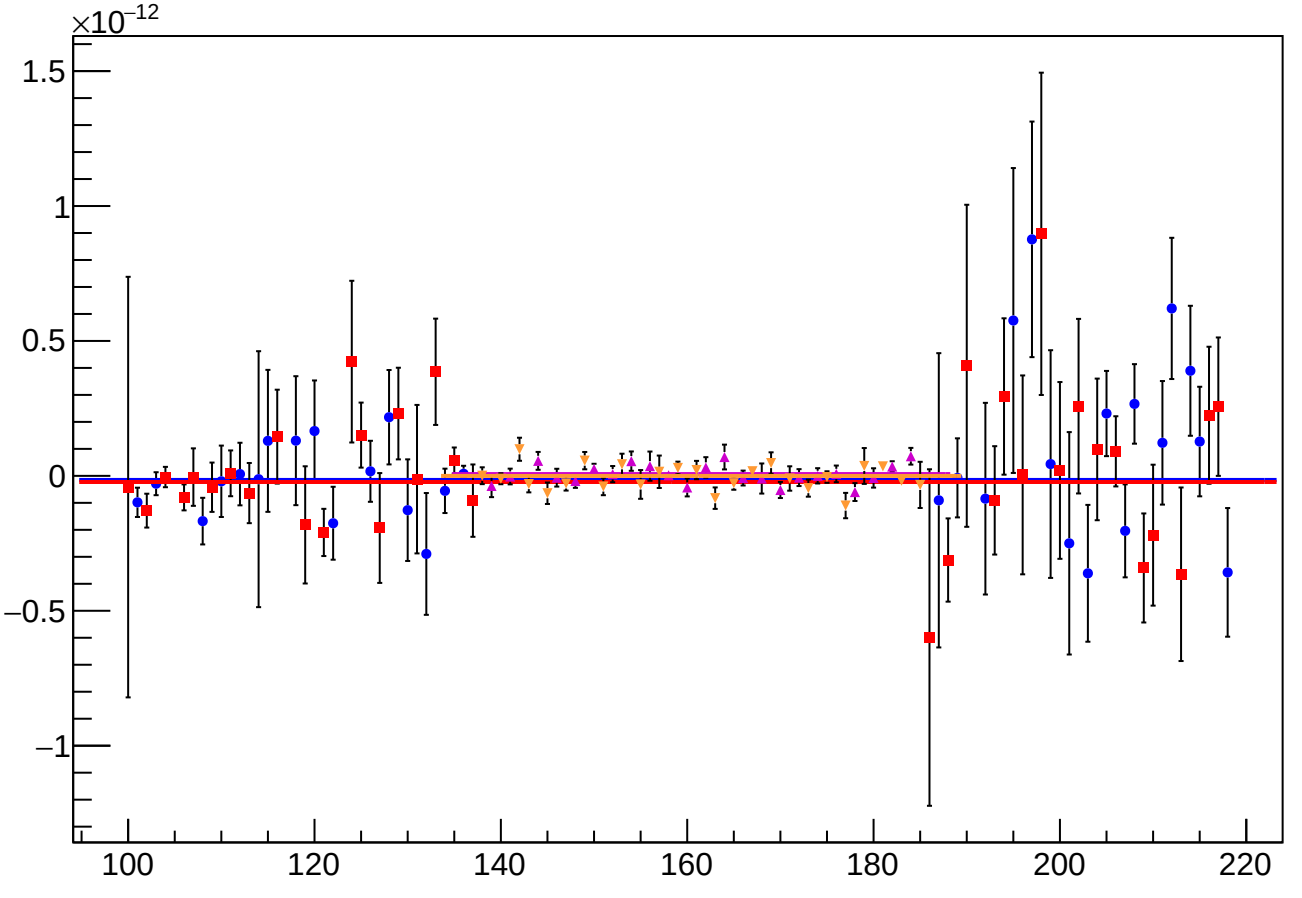
Right Out: 2222.814+/-0.357 χ^2/NDF: 1511880.2/34

Left In: 1931.812+/-0.320 χ^2/NDF:159877.0/22

+ sign 2063.770+/-0.236 χ^2/NDF: 2120537.1/56

All: 2062.628+/-0.167 χ^2/NDF: 4161209.4/11

- sign 2061.462+/-0.238 χ^2/NDF: 2040624.8/57



Right In: -0.000+/-0.000 χ^2/NDF: 39.6/31

Left Out: -0.000+/-0.000 χ^2/NDF:40.3/24

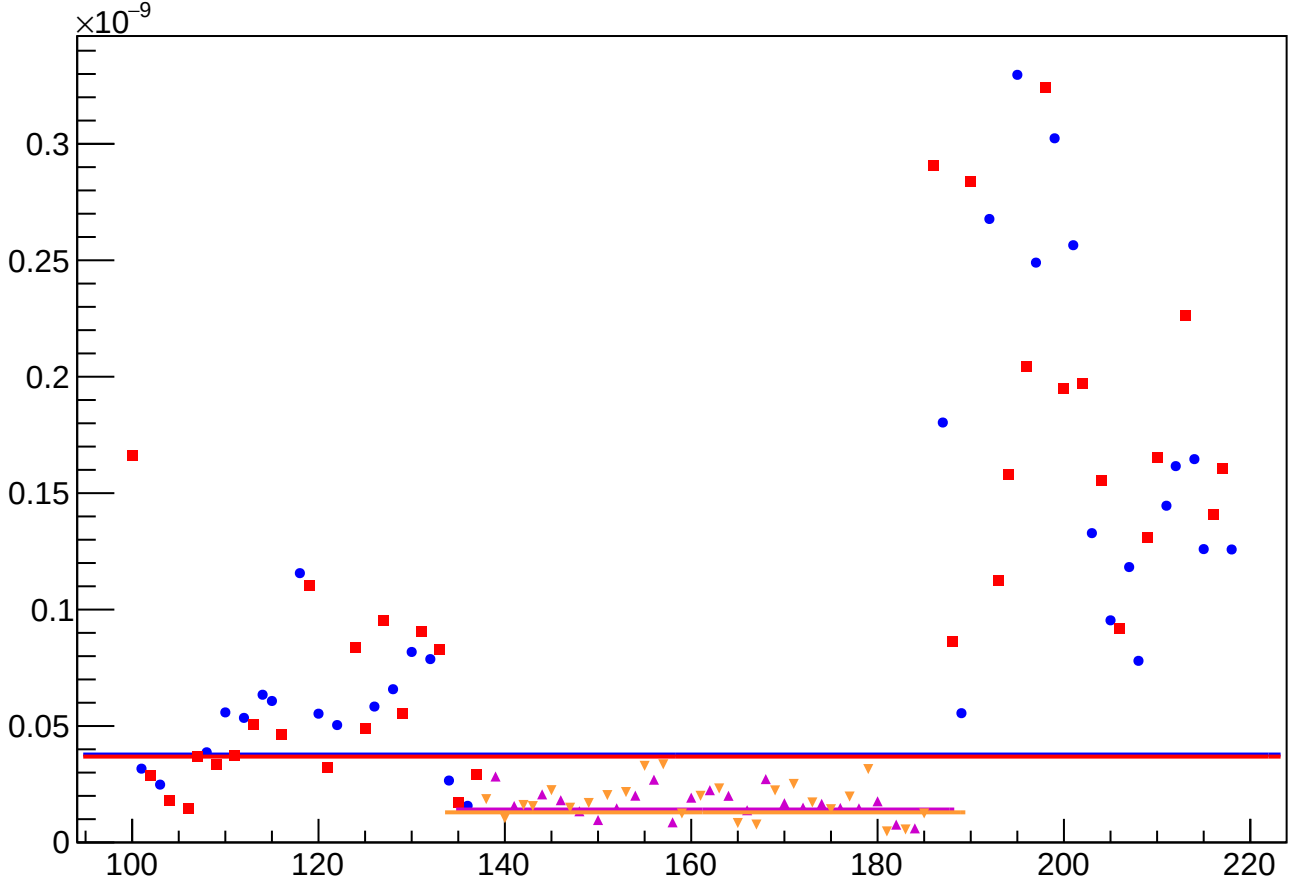
Right Out: -0.000+/-0.000 χ^2/NDF: 42.1/34

Left In: 0.000+/-0.000 χ^2/NDF:27.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 80.5/56

All: 0.000+/-0.000 χ^2/NDF: 152.8/114

- sign 0.000+/-0.000 χ^2/NDF: 71.8/57



Right In: 0.000+/-0.000 χ^2/NDF: 8567789.9/31

Left Out: 0.000+/-0.000 χ^2/NDF:2826186.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8595956.0/34

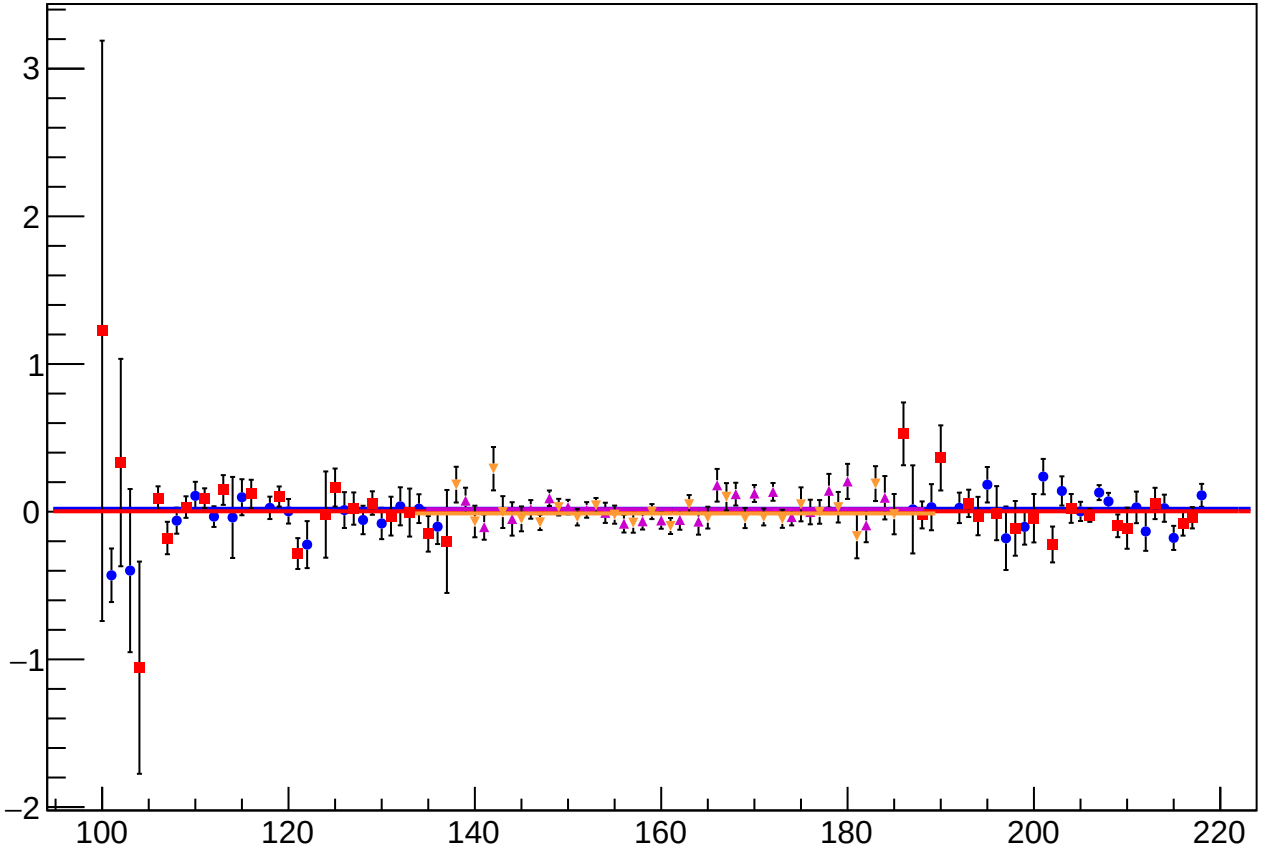
Left In: 0.000+/-0.000 χ^2/NDF:1522273.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 14794584.2/56

All: 0.000+/-0.000 χ^2/NDF: 27692427.2/114

- sign 0.000+/-0.000 χ^2/NDF: 12848664.7/57

asym_usr_atr1_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.020+/-0.017 χ^2/NDF: 37.0/31

Left Out: -0.012+/-0.014 χ^2/NDF:21.8/24

Right Out: 0.003+/-0.017 χ^2/NDF: 43.4/34

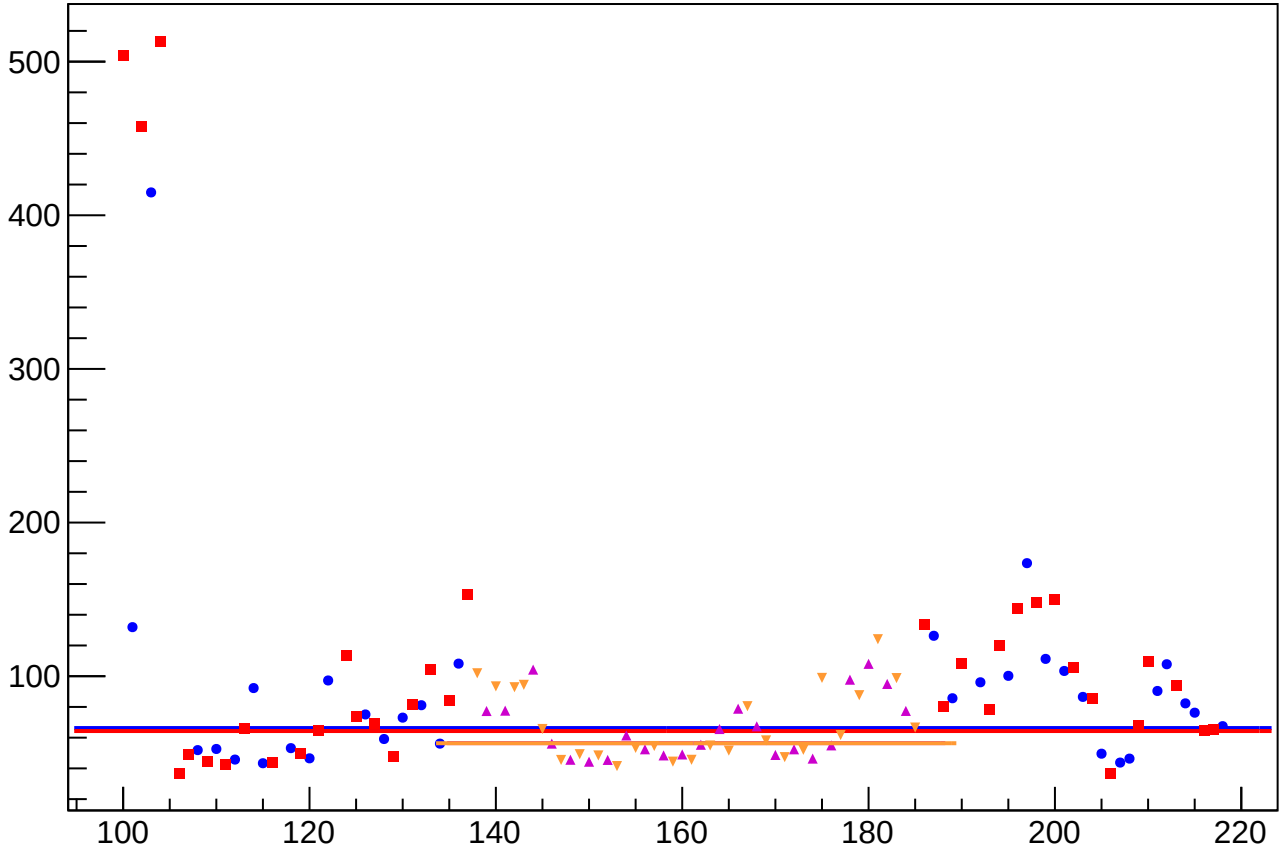
Left In: 0.017+/-0.014 χ^2/NDF:30.6/22

+ sign 0.001+/-0.011 χ^2/NDF: 60.8/56

All: 0.006+/-0.008 χ^2/NDF: 135.7/114

- sign 0.011+/-0.011 χ^2/NDF: 74.4/57

asym_usr_atr1_avg_dit_vs_cor_diff_rms vs Slug



Right In: 66.252+/-0.012 χ^2/NDF: 4639468.7/31

Left Out: 56.374+/-0.010 χ^2/NDF:2797305.0/24

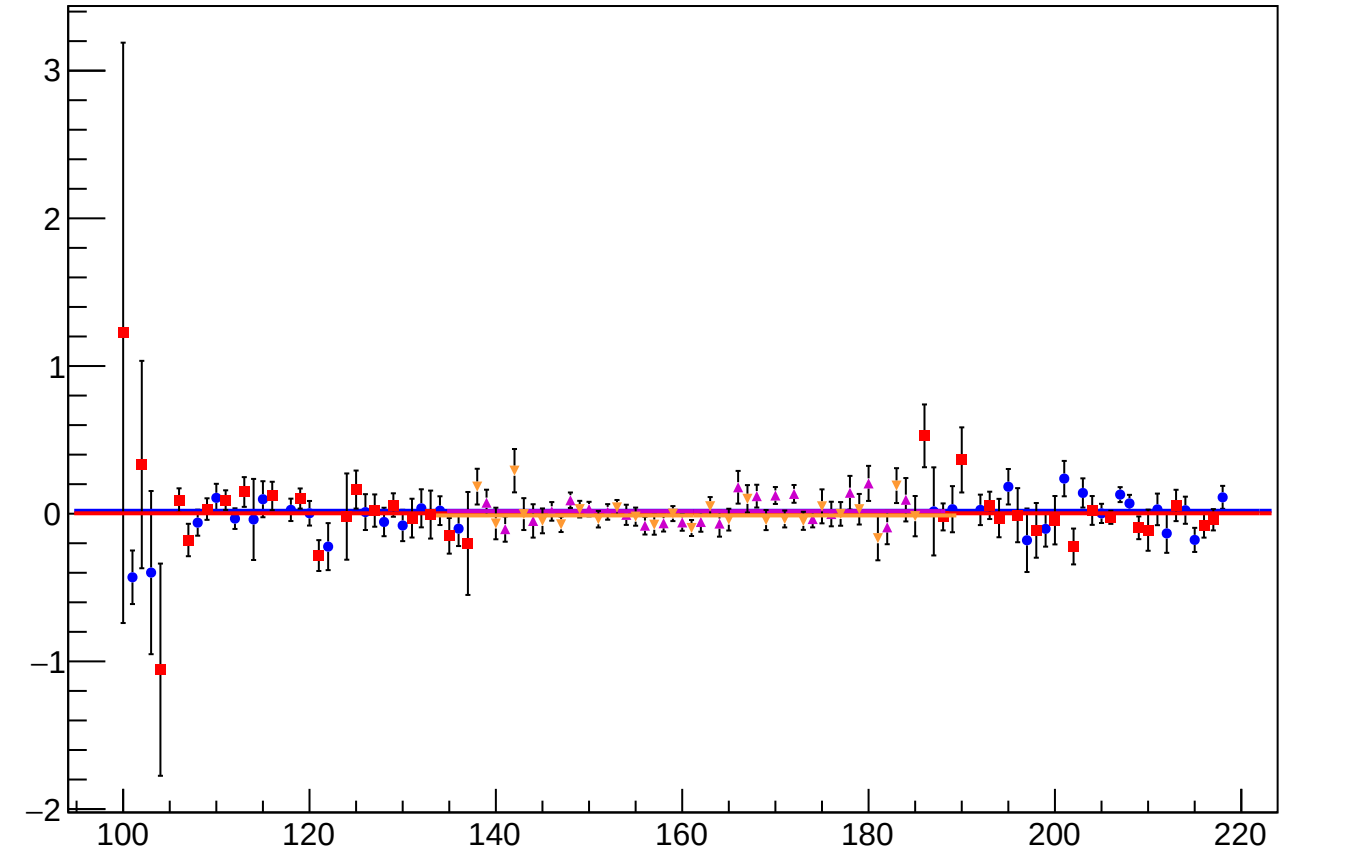
Right Out: 64.317+/-0.012 χ^2/NDF: 6405114.0/34

Left In: 56.467+/-0.010 χ^2/NDF:2140078.8/22

+ sign 60.430+/-0.008 χ^2/NDF: 7827821.2/56

All: 60.091+/-0.006 χ^2/NDF: 16622284.2/114

- sign 59.747+/-0.008 χ^2/NDF: 8790622.4/57



Right In: 0.020+/-0.017 χ^2/NDF: 37.0/31

Left Out: -0.012+/-0.014 χ^2/NDF:21.8/24

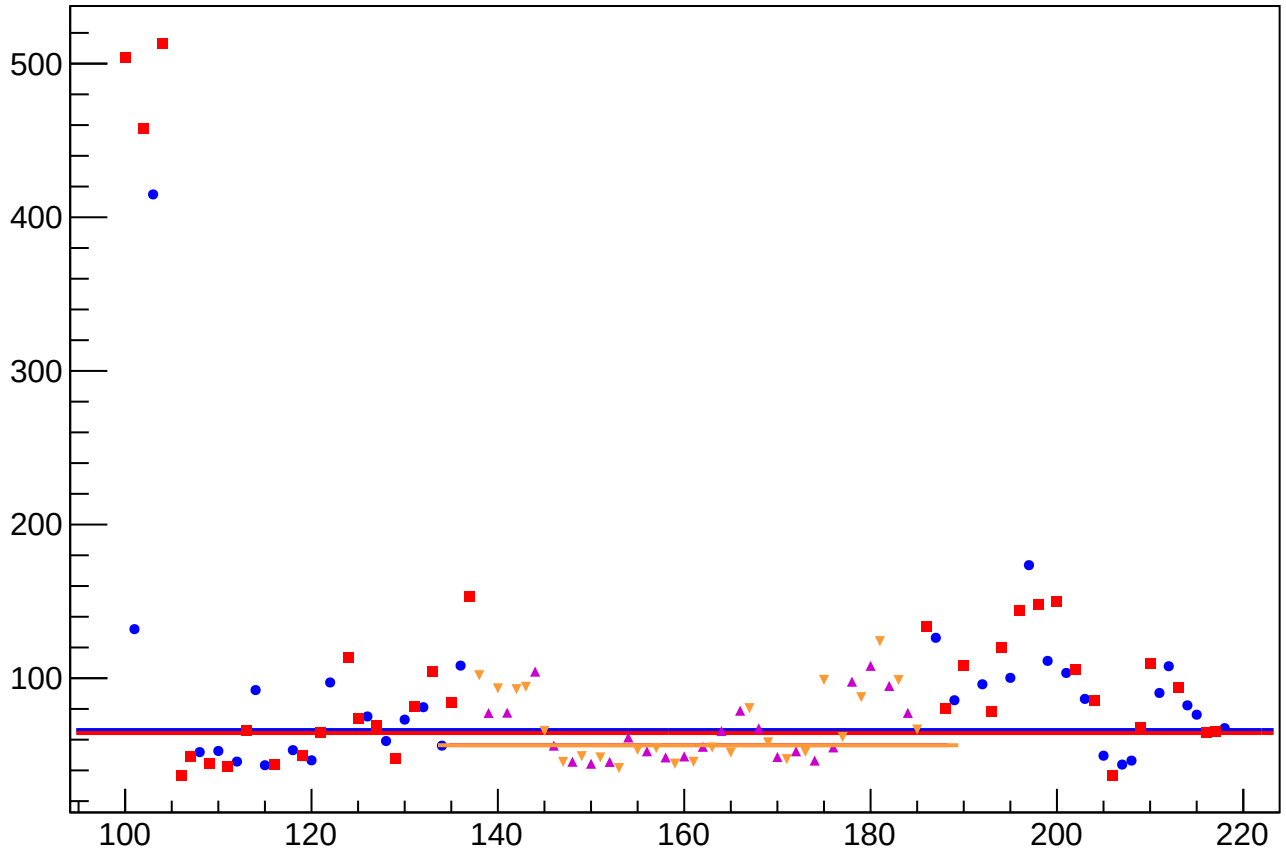
Right Out: 0.003+/-0.017 χ^2/NDF: 43.4/34

Left In: 0.017+/-0.014 χ^2/NDF:30.6/22

+ sign 0.001+/-0.011 χ^2/NDF: 60.8/56

All: 0.006+/-0.008 χ^2/NDF: 135.7/114

- sign 0.011+/-0.011 χ^2/NDF: 74.4/57



Right In: 66.252+/-0.012 χ^2/NDF: 4639468.7/31

Left Out: 56.374+/-0.010 χ^2/NDF:2797305.0/24

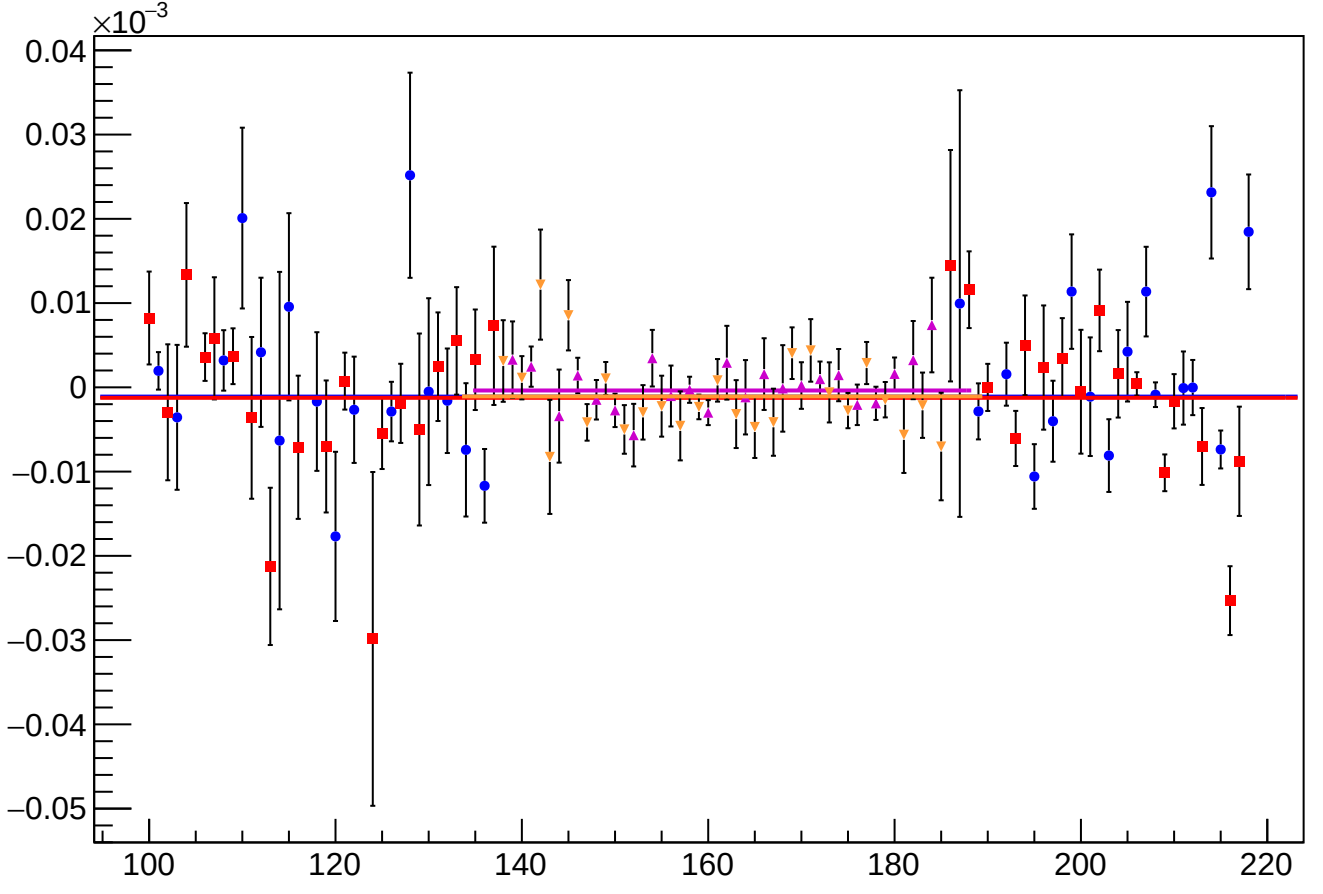
Right Out: 64.317+/-0.012 χ^2/NDF: 6405114.0/34

Left In: 56.467+/-0.010 χ^2/NDF:2140078.8/22

+ sign 60.430+/-0.008 χ^2/NDF: 7827821.2/56

All: 60.091+/-0.006 χ^2/NDF: 16622284.2/114

- sign 59.747+/-0.008 χ^2/NDF: 8790622.4/57



Right In: -0.000+/-0.000 χ^2/NDF: 68.4/31

Left Out: -0.000+/-0.000 χ^2/NDF:31.6/24

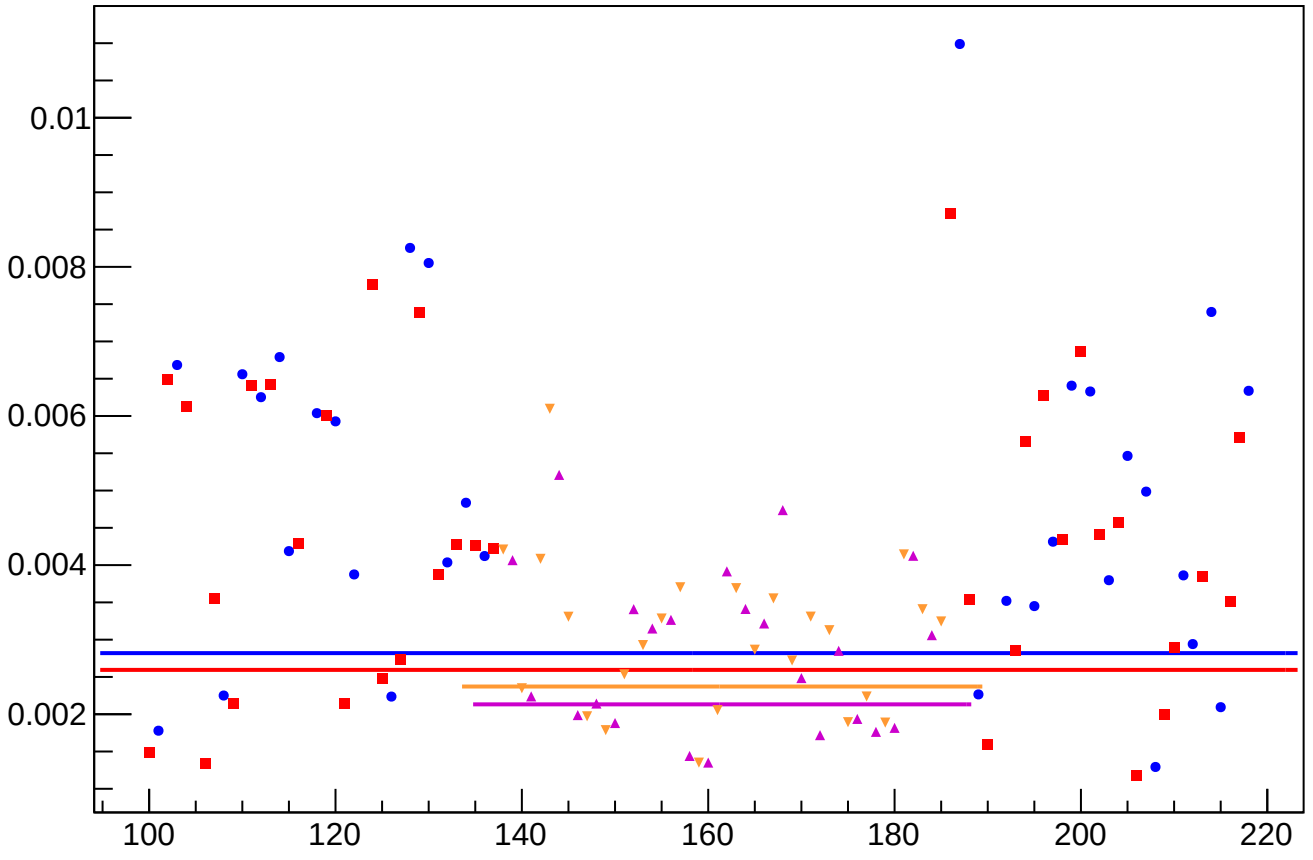
Right Out: -0.000+/-0.000 χ^2/NDF: 98.7/34

Left In: -0.000+/-0.000 χ^2/NDF:17.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 99.9/56

All: -0.000+/-0.000 χ^2/NDF: 217.5/114

- sign -0.000+/-0.000 χ^2/NDF: 117.2/57



Right In: 0.003+/-0.000 χ^2/NDF: 9562885.0/31

Left Out: 0.002+/-0.000 χ^2/NDF:4161142.1/24

Right Out: 0.003+/-0.000 χ^2/NDF: 9710488.6/34

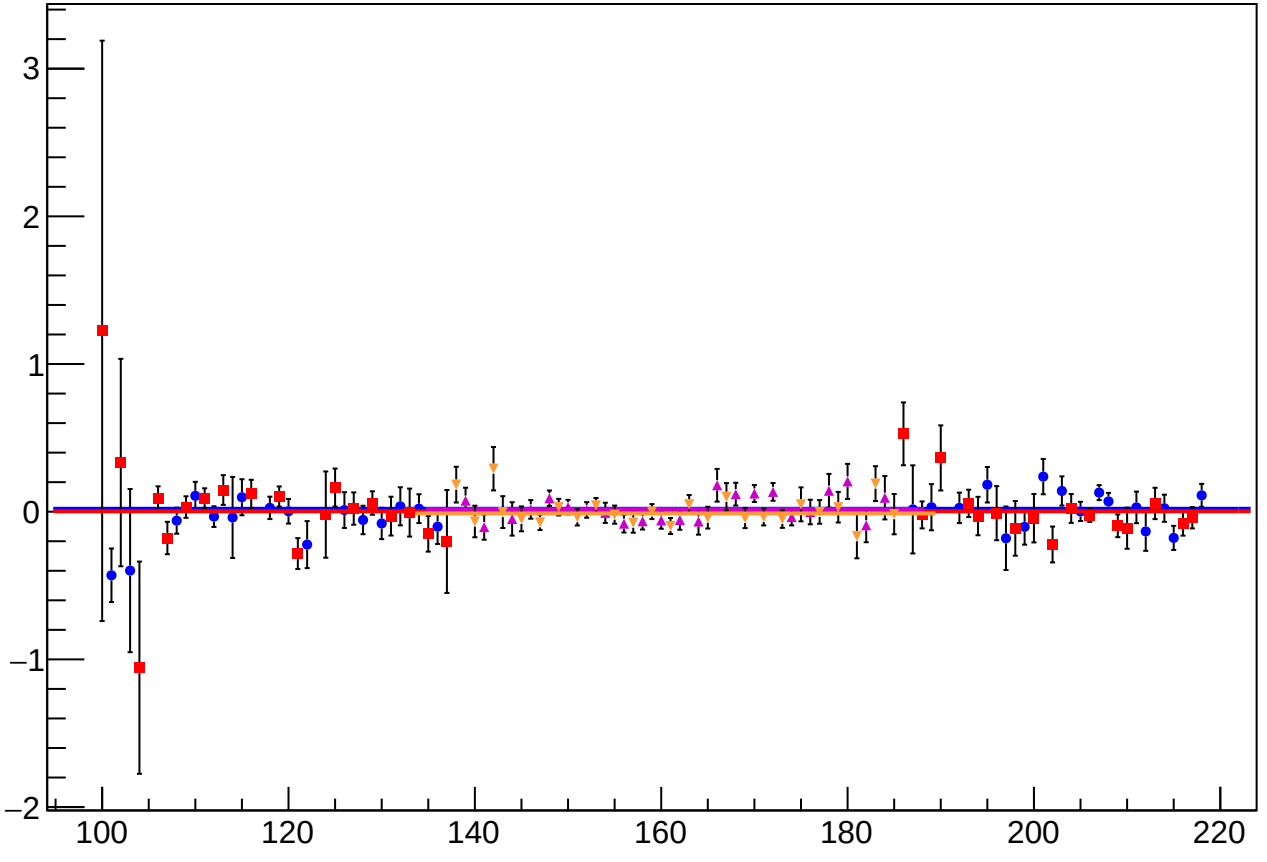
Left In: 0.002+/-0.000 χ^2/NDF:4521223.3/22

+ sign 0.003+/-0.000 χ^2/NDF: 14180244.3/56

All: 0.002+/-0.000 χ^2/NDF: 29256829.1/114

- sign 0.002+/-0.000 χ^2/NDF: 14783455.4/57

asym_usr_atr1_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.020+/-0.017 χ^2/NDF: 37.0/31

Left Out: -0.012+/-0.014 χ^2/NDF:21.8/24

Right Out: 0.003+/-0.017 χ^2/NDF: 43.4/34

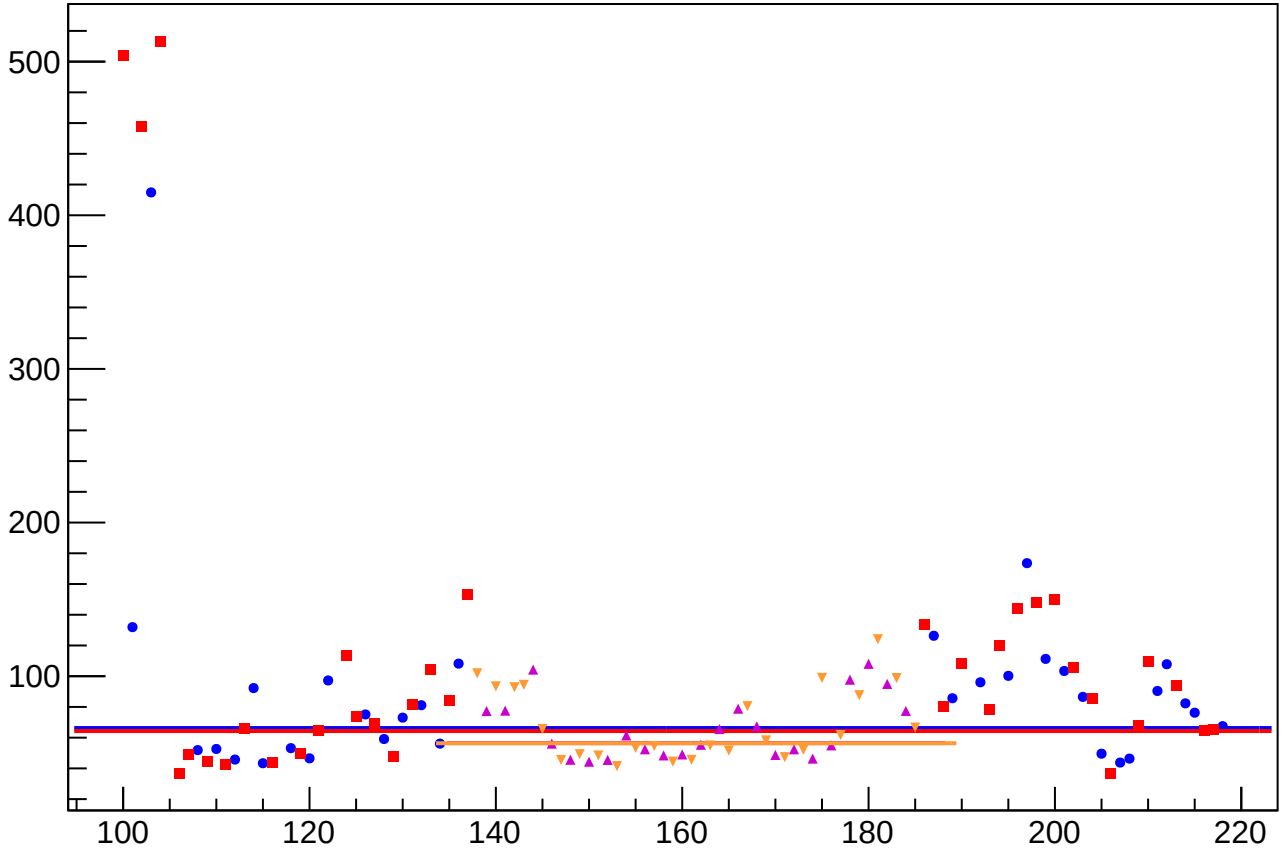
Left In: 0.017+/-0.014 χ^2/NDF:30.6/22

+ sign 0.001+/-0.011 χ^2/NDF: 60.8/56

All: 0.006+/-0.008 χ^2/NDF: 135.7/114

- sign 0.011+/-0.011 χ^2/NDF: 74.4/57

asym_usr_atr1_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 66.252+/-0.012 χ^2/NDF: 4639431.4/31

Left Out: 56.374+/-0.010 χ^2/NDF:2797380.0/24

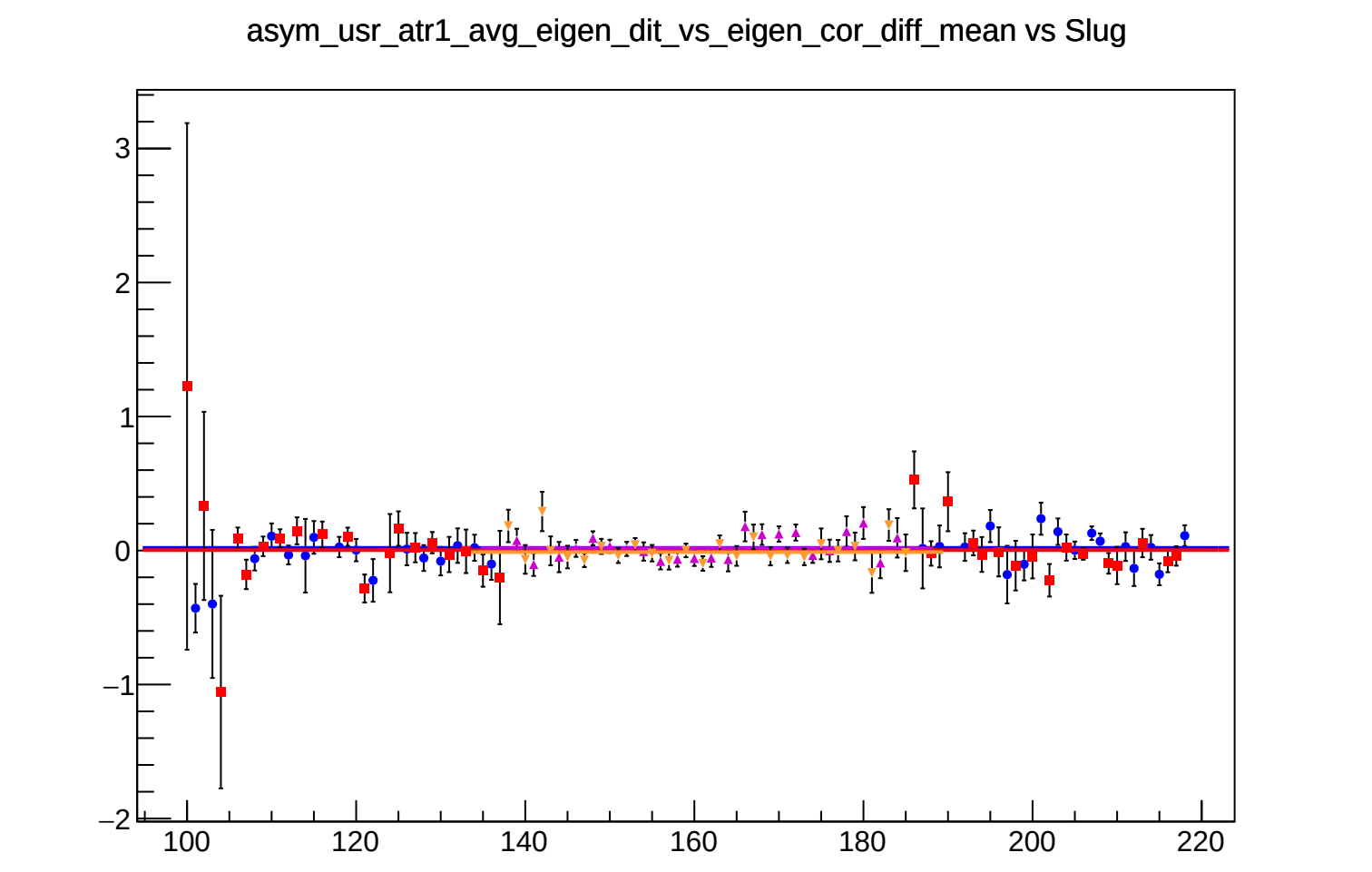
Right Out: 64.317+/-0.012 χ^2/NDF: 6405159.4/34

Left In: 56.467+/-0.010 χ^2/NDF:2140063.7/22

+ sign 60.430+/-0.008 χ^2/NDF: 7827814.3/56

All: 60.091+/-0.006 χ^2/NDF: 16622270.2/114

- sign 59.747+/-0.008 χ^2/NDF: 8790614.1/57



Right In: 0.020+/-0.017 χ^2/NDF: 37.0/31

Left Out: -0.012+/-0.014 χ^2/NDF:21.8/24

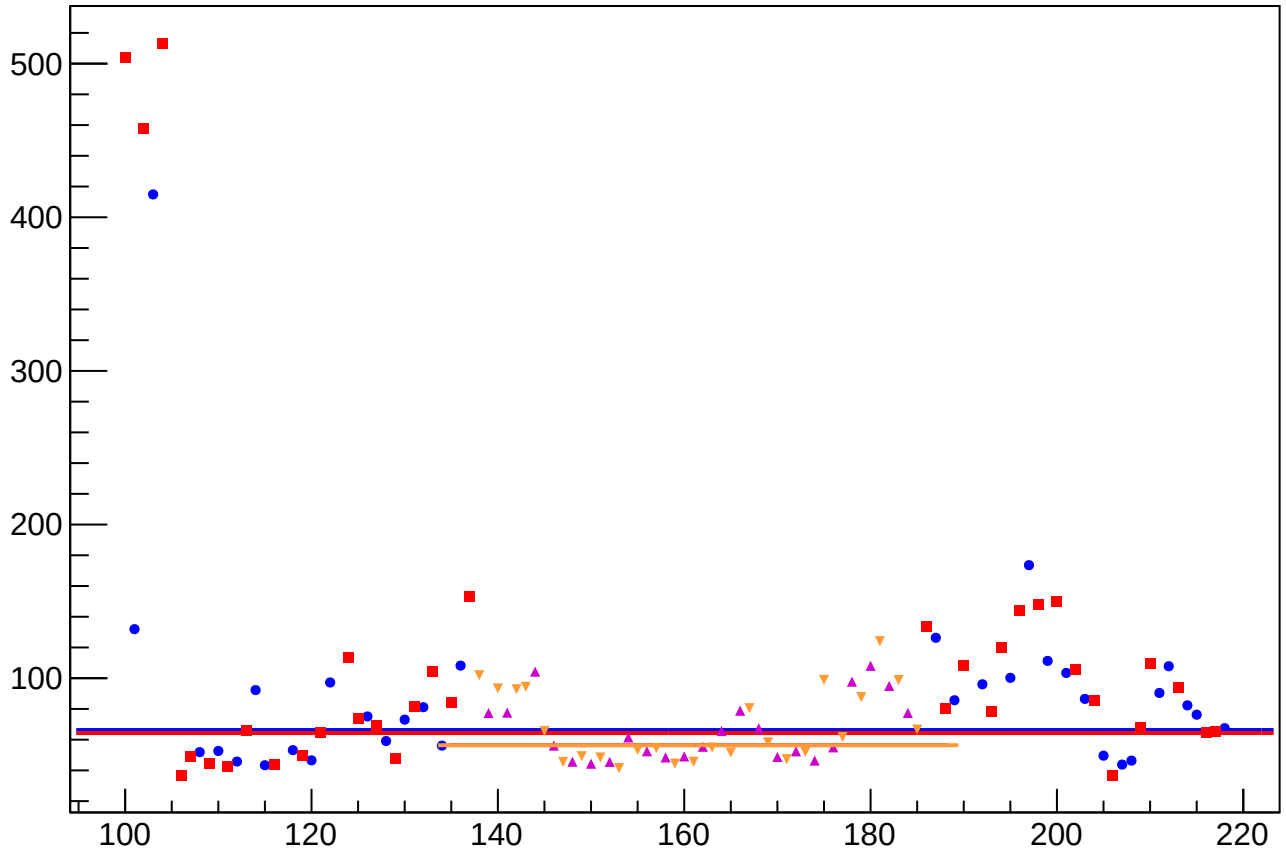
Right Out: 0.003+/-0.017 χ^2/NDF: 43.4/34

Left In: 0.017+/-0.014 χ^2/NDF:30.6/22

+ sign 0.001+/-0.011 χ^2/NDF: 60.8/56

All: 0.006+/-0.008 χ^2/NDF: 135.7/114

- sign 0.011+/-0.011 χ^2/NDF: 74.4/57



Right In: 66.252+/-0.012 χ^2/NDF: 4639431.4/31

Left Out: 56.374+/-0.010 χ^2/NDF:2797380.0/24

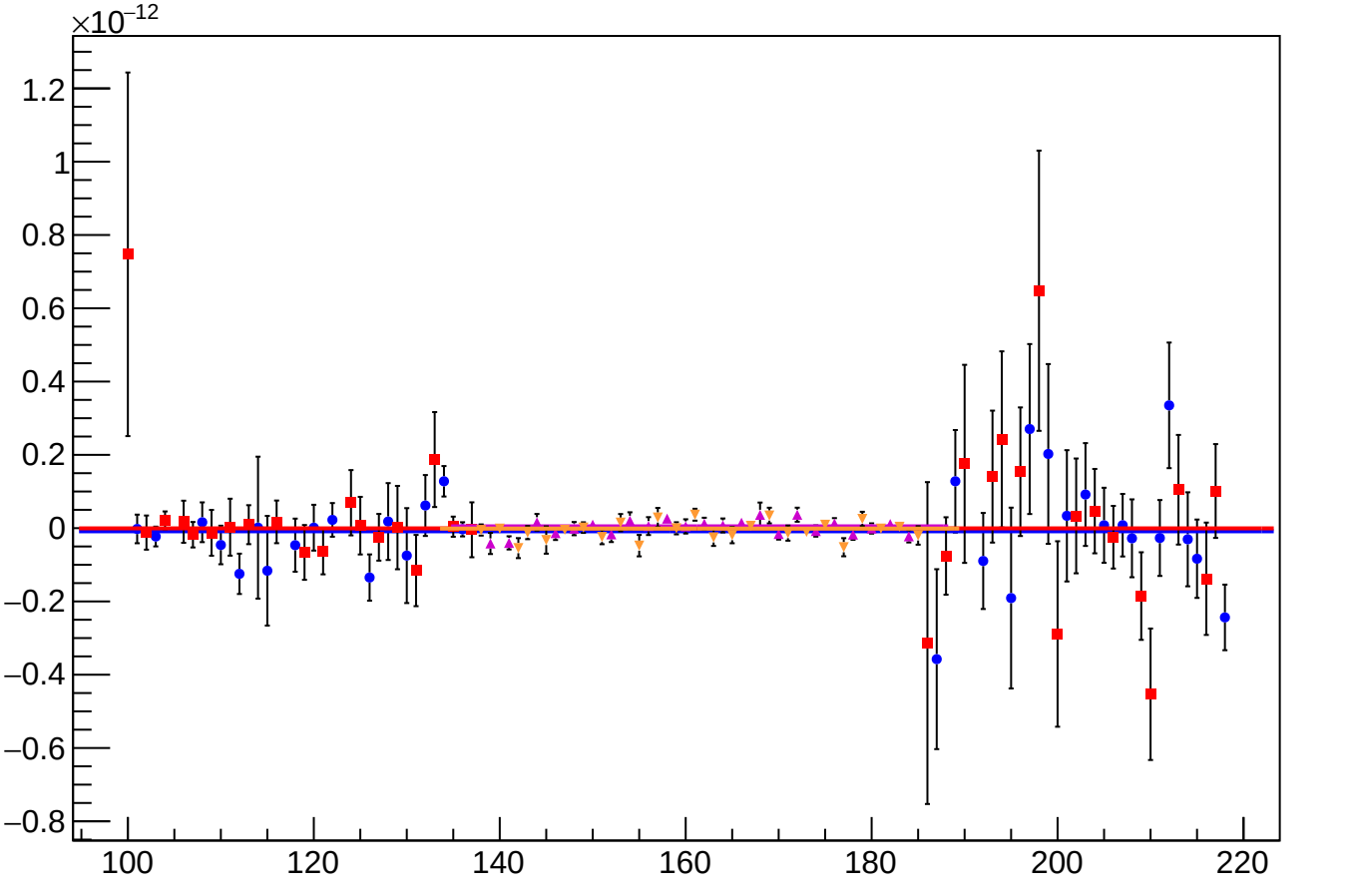
Right Out: 64.317+/-0.012 χ^2/NDF: 6405159.4/34

Left In: 56.467+/-0.010 χ^2/NDF:2140063.7/22

+ sign 60.430+/-0.008 χ^2/NDF: 7827814.3/56

All: 60.091+/-0.006 χ^2/NDF: 16622270.2/114

- sign 59.747+/-0.008 χ^2/NDF: 8790614.1/57



Right In: -0.000+/-0.000 χ^2/NDF: 40.9/31

Left Out: -0.000+/-0.000 χ^2/NDF:29.6/24

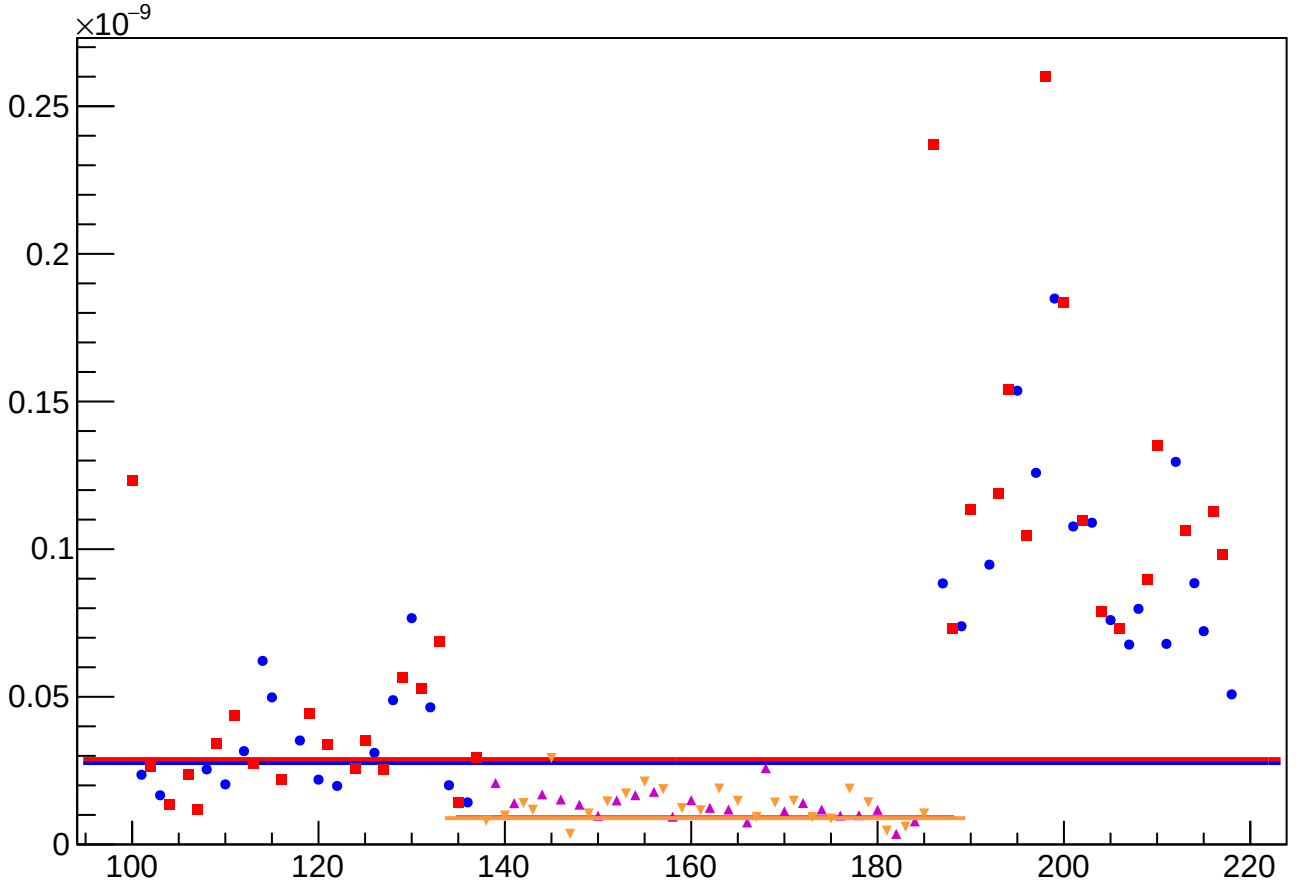
Right Out: -0.000+/-0.000 χ^2/NDF: 28.7/34

Left In: 0.000+/-0.000 χ^2/NDF:28.4/22

+ sign -0.000+/-0.000 χ^2/NDF: 70.9/56

All: 0.000+/-0.000 χ^2/NDF: 130.7/114

- sign 0.000+/-0.000 χ^2/NDF: 57.4/57



Right In: 0.000+/-0.000 χ^2/NDF: 9060591.5/31

Left Out: 0.000+/-0.000 χ^2/NDF:5051836.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10877394.6/34

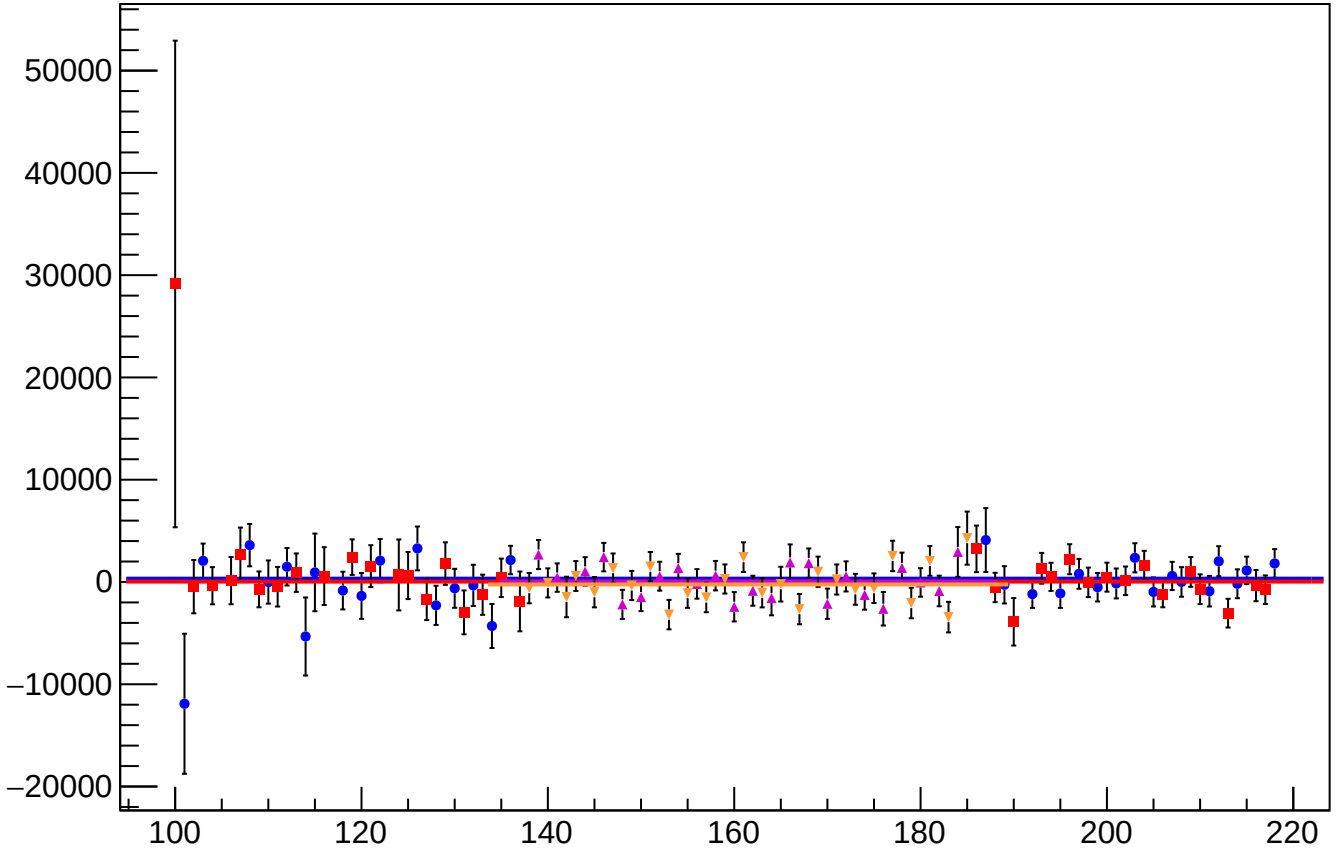
Left In: 0.000+/-0.000 χ^2/NDF:5079391.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 19836961.9/56

All: 0.000+/-0.000 χ^2/NDF: 41456507.4/114

- sign 0.000+/-0.000 χ^2/NDF: 21611432.3/57

reg_asym_usr_atr1_dd_mean vs Slug



Right In: 322.874+/-300.072 χ^2/NDF: 32.6/31

Left Out: -240.873+/-300.008 χ^2/NDF:31.7/24

Right Out: 37.536+/-298.155 χ^2/NDF: 26.2/34

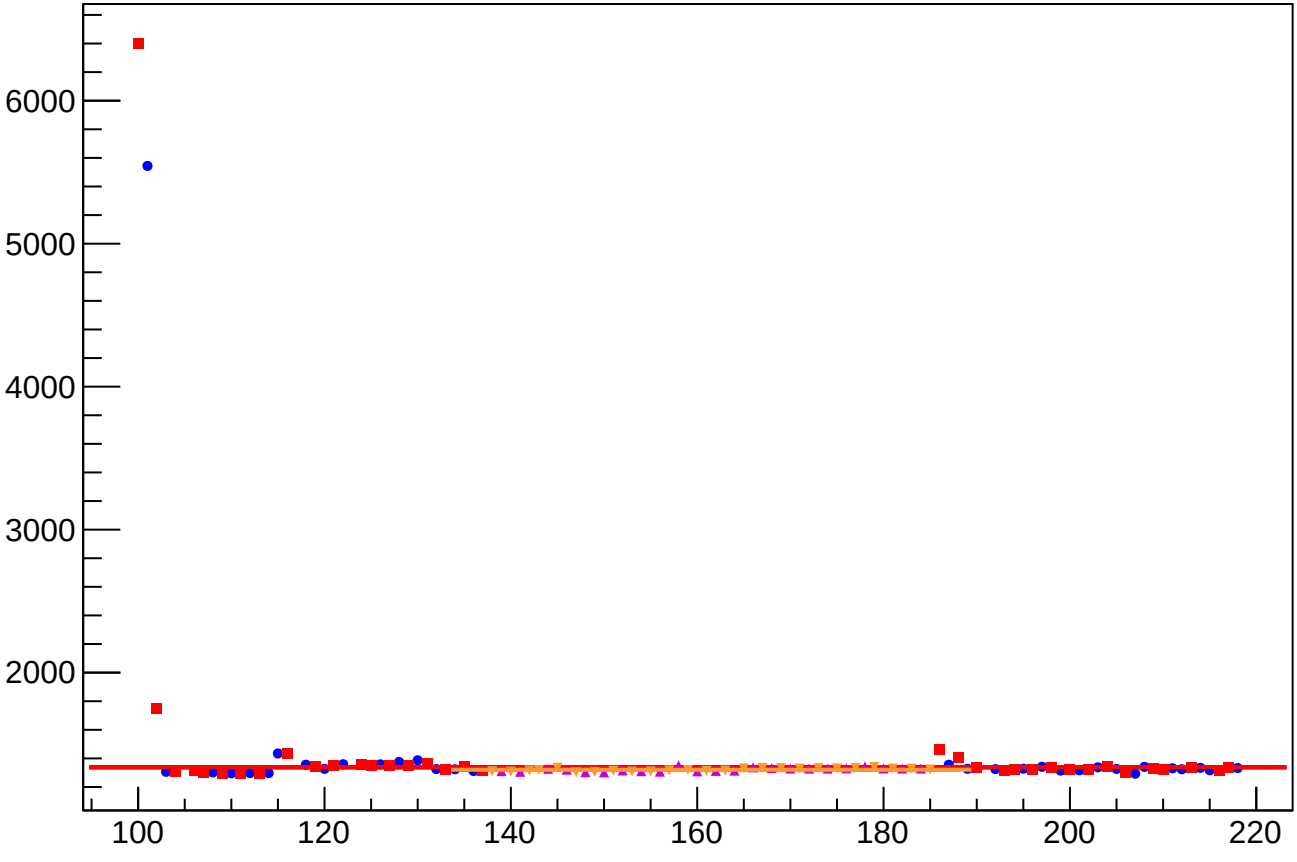
Left In: 39.122+/-308.622 χ^2/NDF:27.1/22

+ sign 40.940+/-212.160 χ^2/NDF: 66.1/56

All: 39.635+/-150.817 χ^2/NDF: 119.3/114

- sign 38.302+/-214.432 χ^2/NDF: 53.3/57

reg_asym_usr_atr1_dd_rms vs Slug



Right In: 1336.253+/-0.212 χ^2/NDF: 767094.2/31

Left Out: 1320.740+/-0.212 χ^2/NDF:2602.3/24

Right Out: 1339.863+/-0.211 χ^2/NDF: 162610.0/34

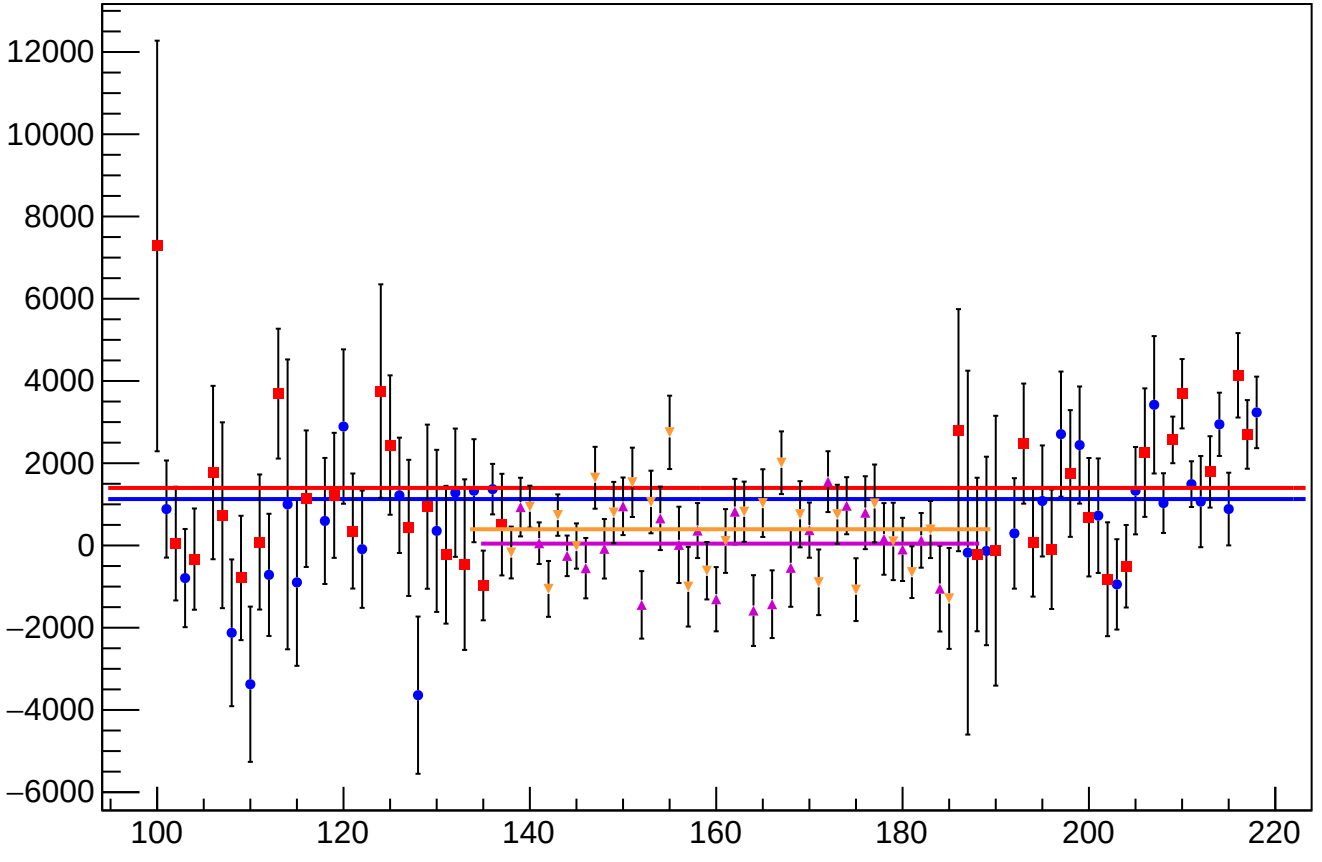
Left In: 1321.782+/-0.218 χ^2/NDF:3553.3/22

+ sign 1328.495+/-0.150 χ^2/NDF: 772369.5/56

All: 1329.801+/-0.107 χ^2/NDF: 942236.5/114

- sign 1331.135+/-0.152 χ^2/NDF: 169713.9/57

asym_usr_atr1_dd_reg_correction_mean vs Slug



Right In: 1128.488+/-204.870 χ^2/NDF: 42.7/31

Left Out: 394.550+/-144.562 χ^2/NDF:41.8/24

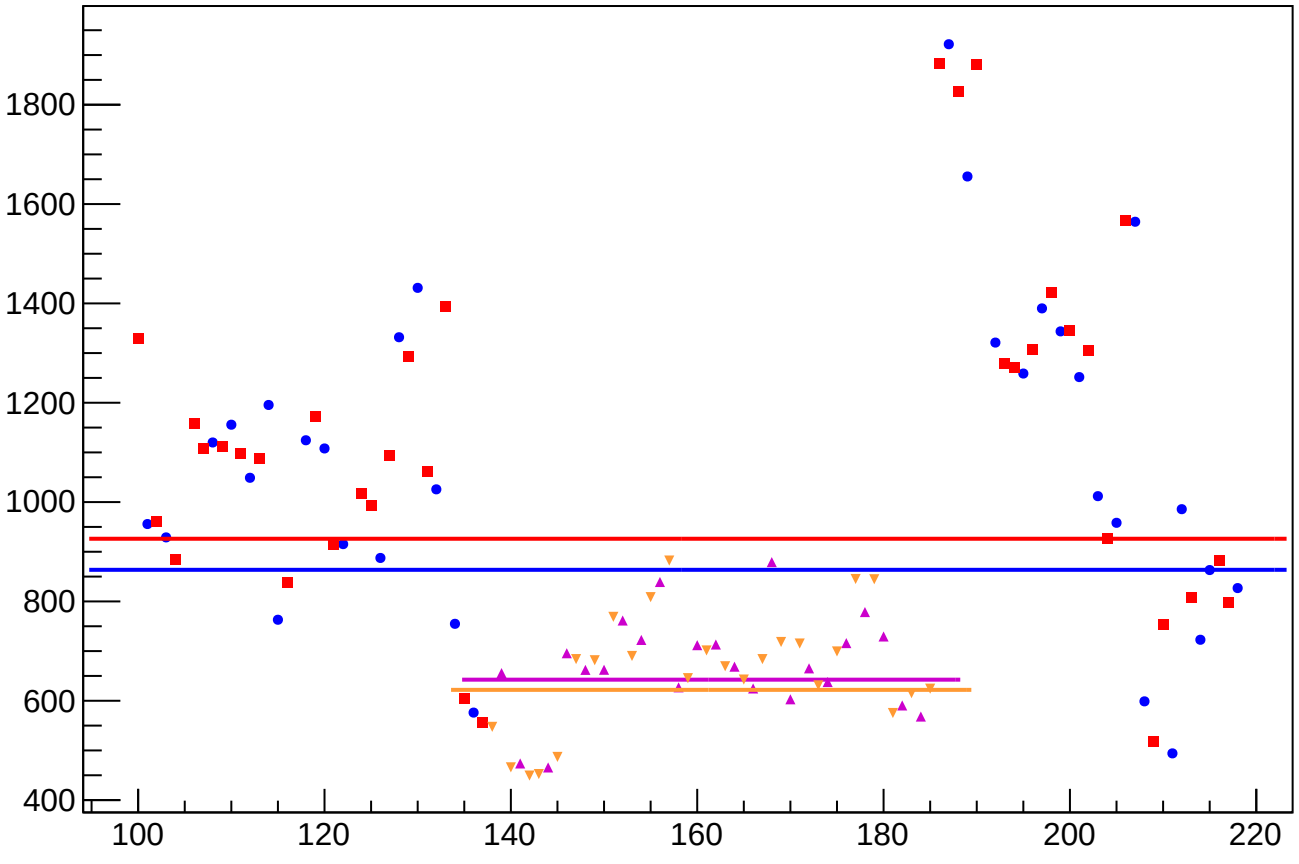
Right Out: 1399.266+/-218.324 χ^2/NDF: 53.5/34

Left In: 44.777+/-152.333 χ^2/NDF:27.6/22

+ sign 638.512+/-118.117 χ^2/NDF: 93.2/56

All: 567.602+/-85.828 χ^2/NDF: 200.9/114

- sign 488.278+/-124.929 χ^2/NDF: 107.0/57



Right In: 863.634+/-0.145 χ^2/NDF: 4043487.4/31

Left Out: 621.950+/-0.102 χ^2/NDF:1383473.2/24

Right Out: 926.181+/-0.154 χ^2/NDF: 4169426.6/34

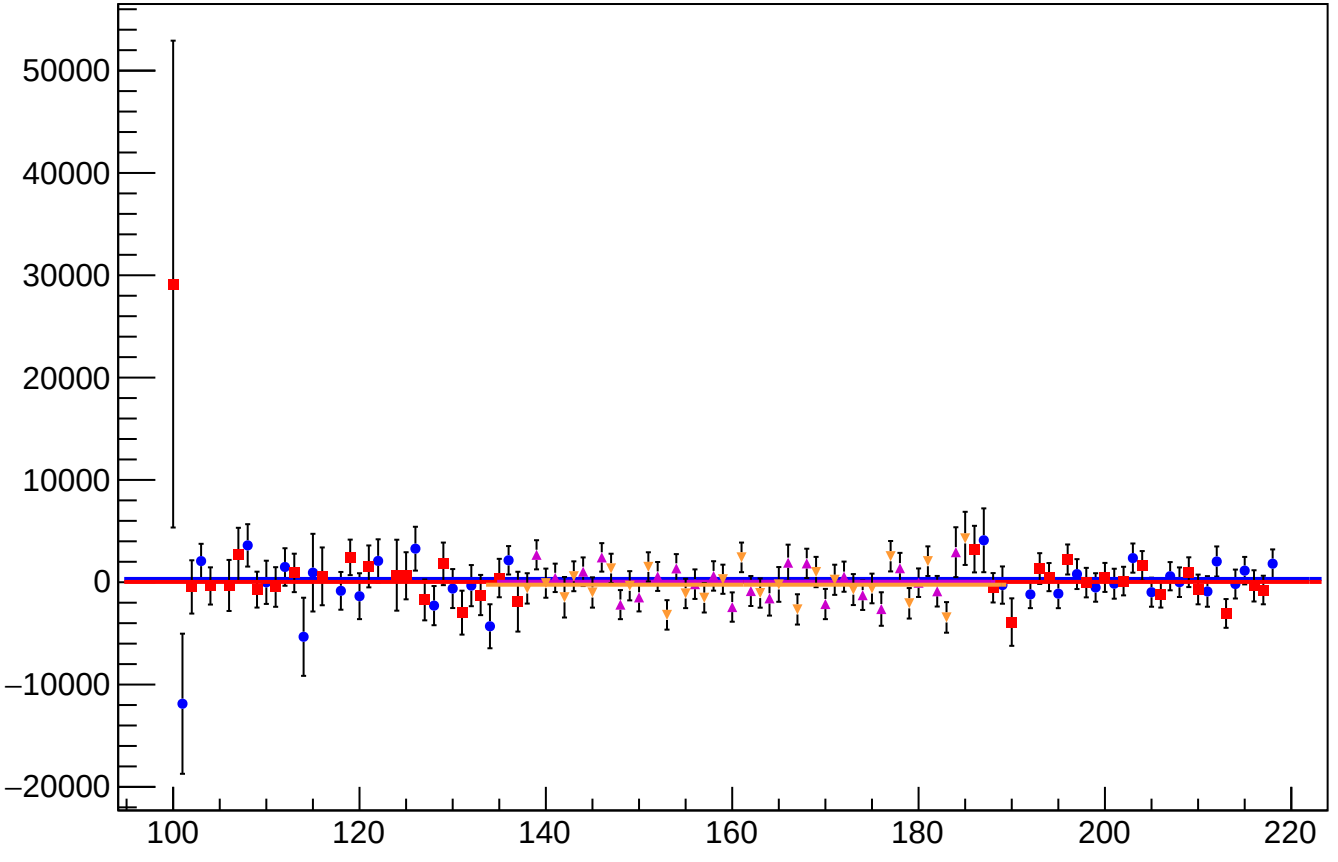
Left In: 642.470+/-0.108 χ^2/NDF:926330.5/22

+ sign 702.286+/-0.084 χ^2/NDF: 7285117.8/56

All: 717.900+/-0.061 χ^2/NDF: 14726424.0/11

- sign 735.366+/-0.088 χ^2/NDF: 7367268.0/57

cor_asym_usr_atr1_dd_mean vs Slug



Right In: 322.994+/-300.072 χ^2/NDF: 32.5/31

Left Out: -240.875+/-300.008 χ^2/NDF:31.7/24

Right Out: 31.075+/-298.514 χ^2/NDF: 26.2/34

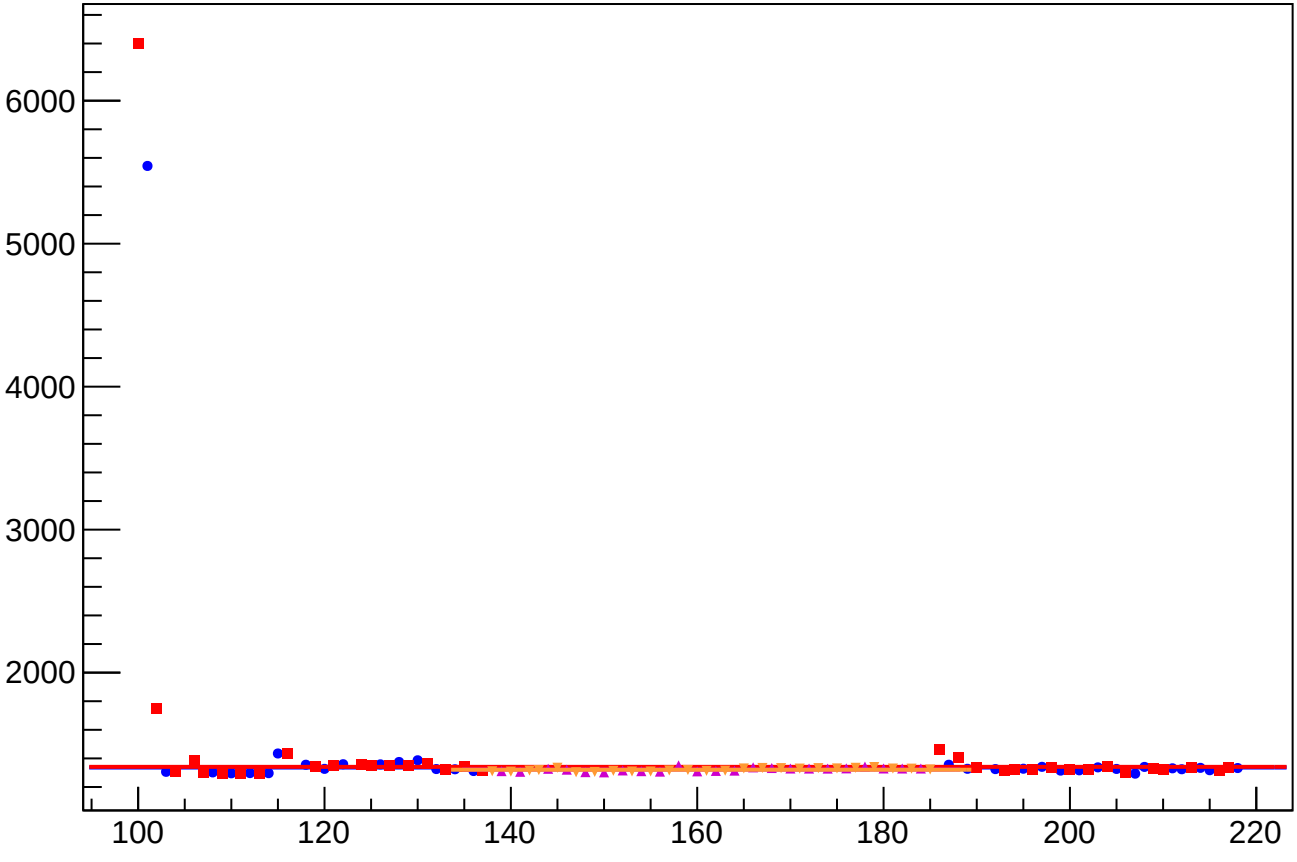
Left In: 39.193+/-308.622 χ^2/NDF:27.1/22

+ sign 40.998+/-212.160 χ^2/NDF: 66.0/56

All: 38.033+/-150.863 χ^2/NDF: 119.3/114

- sign 34.999+/-214.566 χ^2/NDF: 53.3/57

cor_asym_usr_atr1_dd_rms vs Slug



Right In: 1336.253+/-0.212 χ^2/NDF: 767093.2/31

Left Out: 1320.740+/-0.212 χ^2/NDF:2602.3/24

Right Out: 1340.937+/-0.211 χ^2/NDF: 163165.4/34

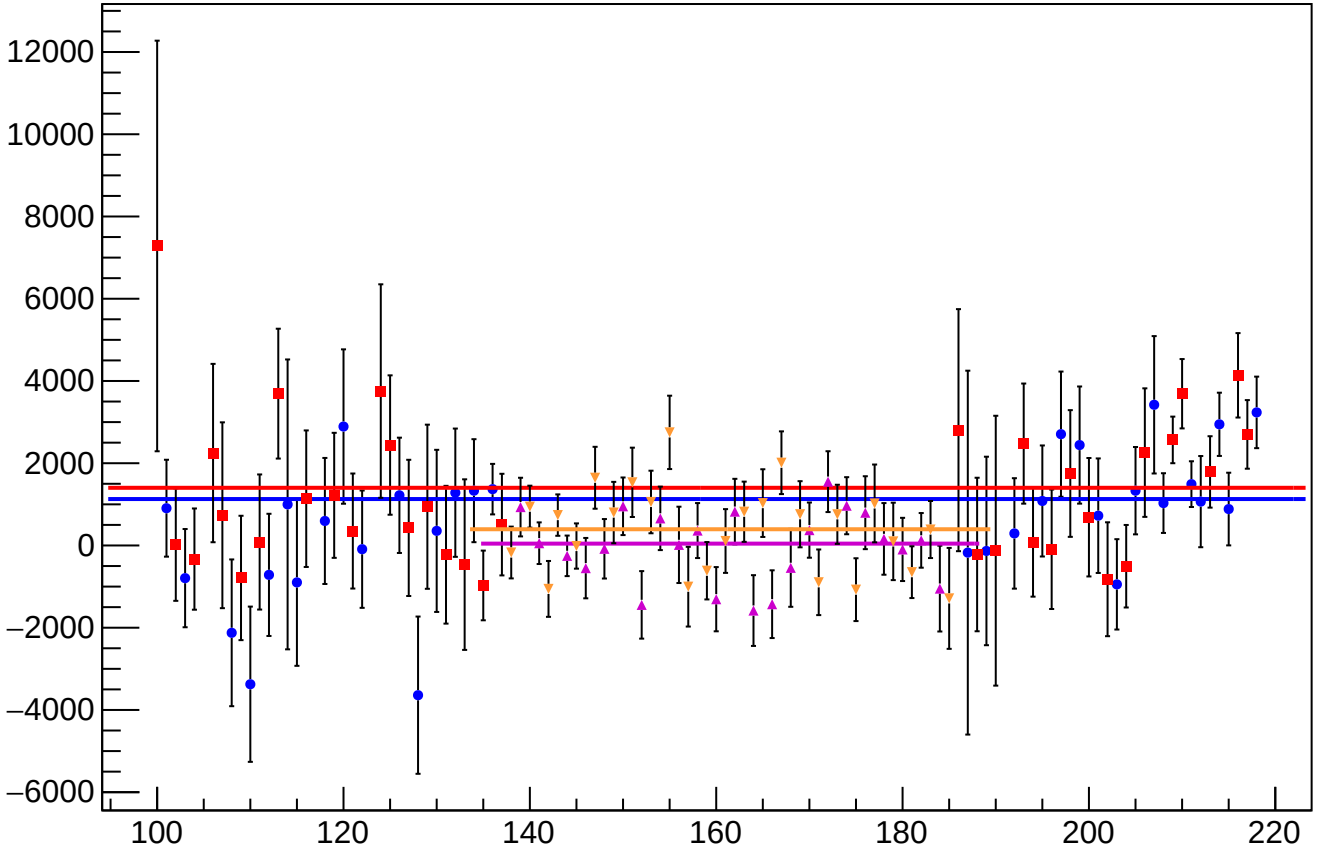
Left In: 1321.783+/-0.218 χ^2/NDF:3553.3/22

+ sign 1328.495+/-0.150 χ^2/NDF: 772368.5/56

All: 1330.069+/-0.107 χ^2/NDF: 943290.2/114

- sign 1331.679+/-0.152 χ^2/NDF: 170699.0/57

asym_usr_atr1_dd_cor_correction_mean vs Slug



Right In: 1129.074+/-204.857 χ^2/NDF: 42.7/31

Left Out: 394.522+/-144.562 χ^2/NDF:41.8/24

Right Out: 1402.486+/-218.325 χ^2/NDF: 53.7/34

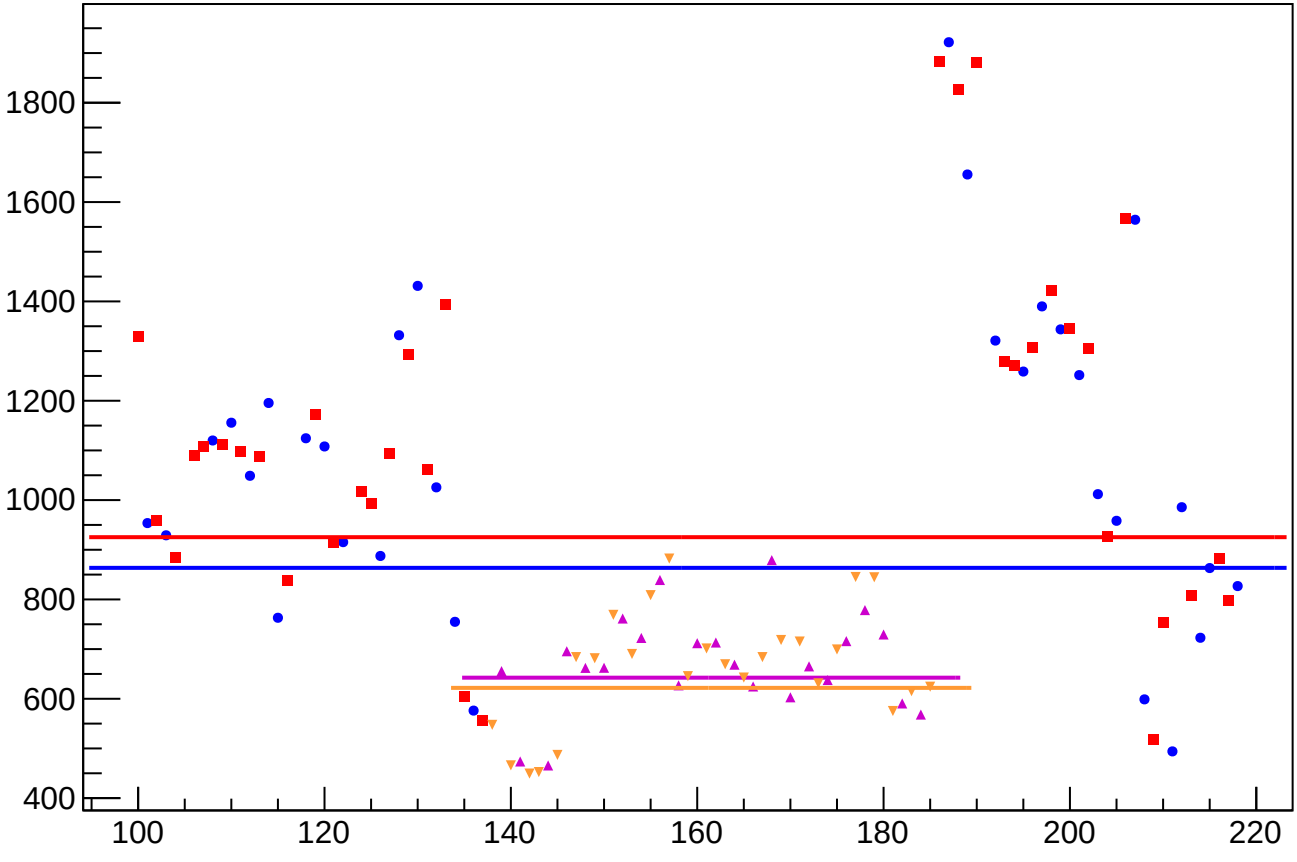
Left In: 44.766+/-152.332 χ^2/NDF:27.6/22

+ sign 638.710+/-118.114 χ^2/NDF: 93.2/56

All: 568.199+/-85.827 χ^2/NDF: 201.2/114

- sign 489.319+/-124.928 χ^2/NDF: 107.3/57

asym_usr_atr1_dd_cor_correction_rms vs Slug



Right In: 863.584+/-0.145 χ^2/NDF: 4043114.9/31

Left Out: 621.950+/-0.102 χ^2/NDF:1383373.4/24

Right Out: 925.338+/-0.154 χ^2/NDF: 4156743.9/34

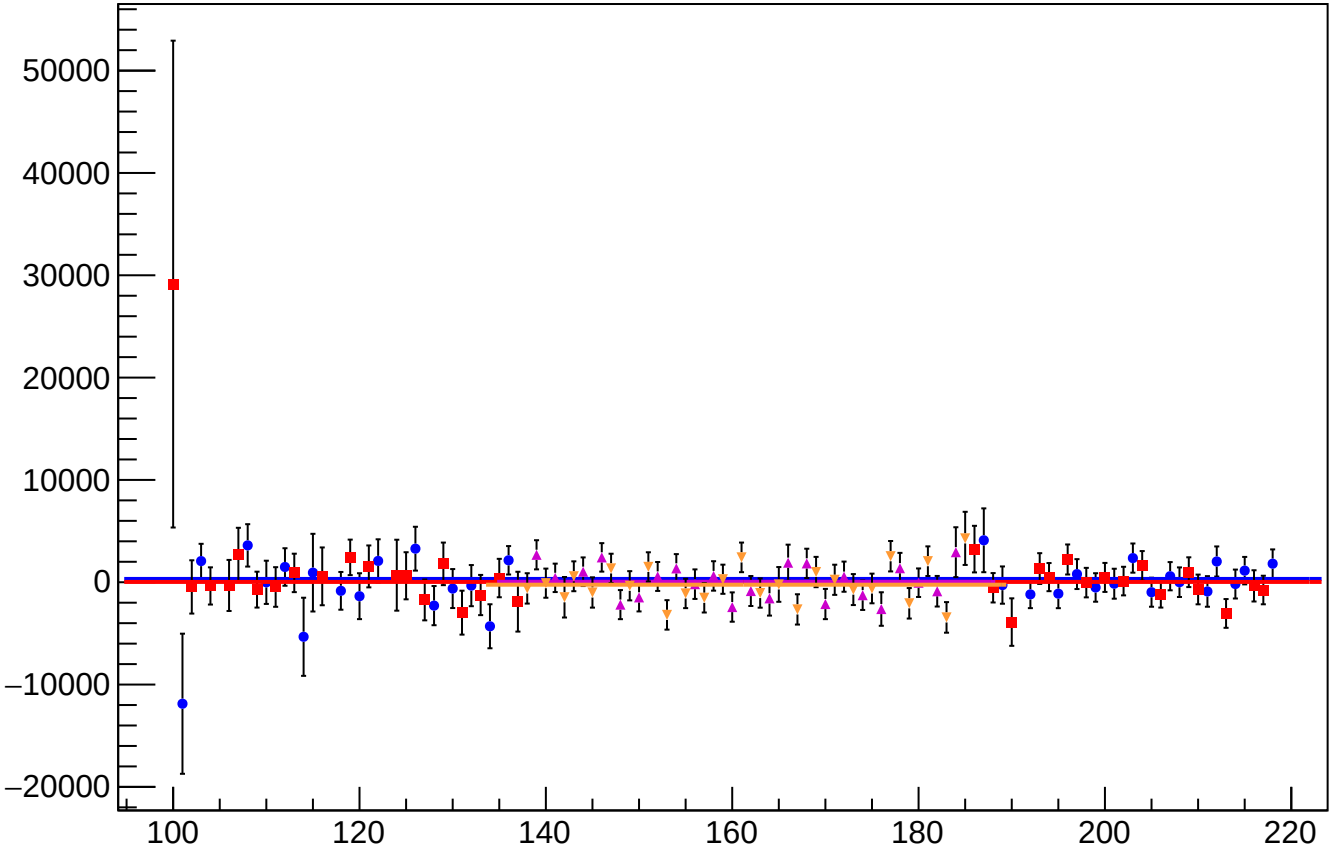
Left In: 642.465+/-0.108 χ^2/NDF:926376.1/22

+ sign 702.277+/-0.084 χ^2/NDF: 7284032.9/56

All: 717.762+/-0.061 χ^2/NDF: 14698093.5/11

- sign 735.085+/-0.088 χ^2/NDF: 7341227.3/57

eigen_cor_asym_usr_atr1_dd_mean vs Slug



Right In: 322.994+/-300.072 χ^2/NDF: 32.5/31

Left Out: -240.875+/-300.008 χ^2/NDF:31.7/24

Right Out: 31.075+/-298.514 χ^2/NDF: 26.2/34

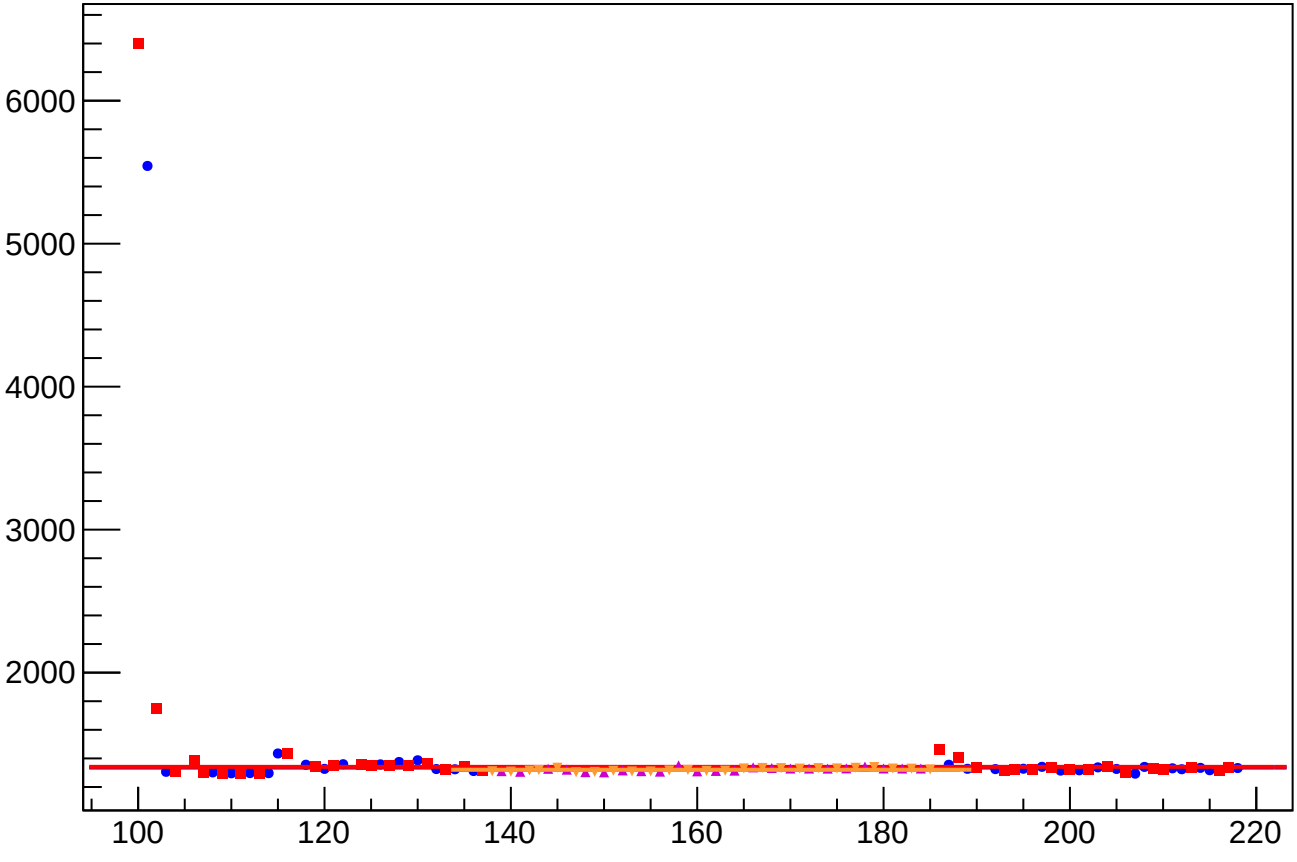
Left In: 39.193+/-308.622 χ^2/NDF:27.1/22

+ sign 40.998+/-212.160 χ^2/NDF: 66.0/56

All: 38.033+/-150.863 χ^2/NDF: 119.3/114

- sign 34.999+/-214.566 χ^2/NDF: 53.3/57

eigen_cor_asym_usr_atr1_dd_rms vs Slug



Right In: 1336.253+/-0.212 χ^2/NDF: 767093.2/31

Left Out: 1320.740+/-0.212 χ^2/NDF:2602.3/24

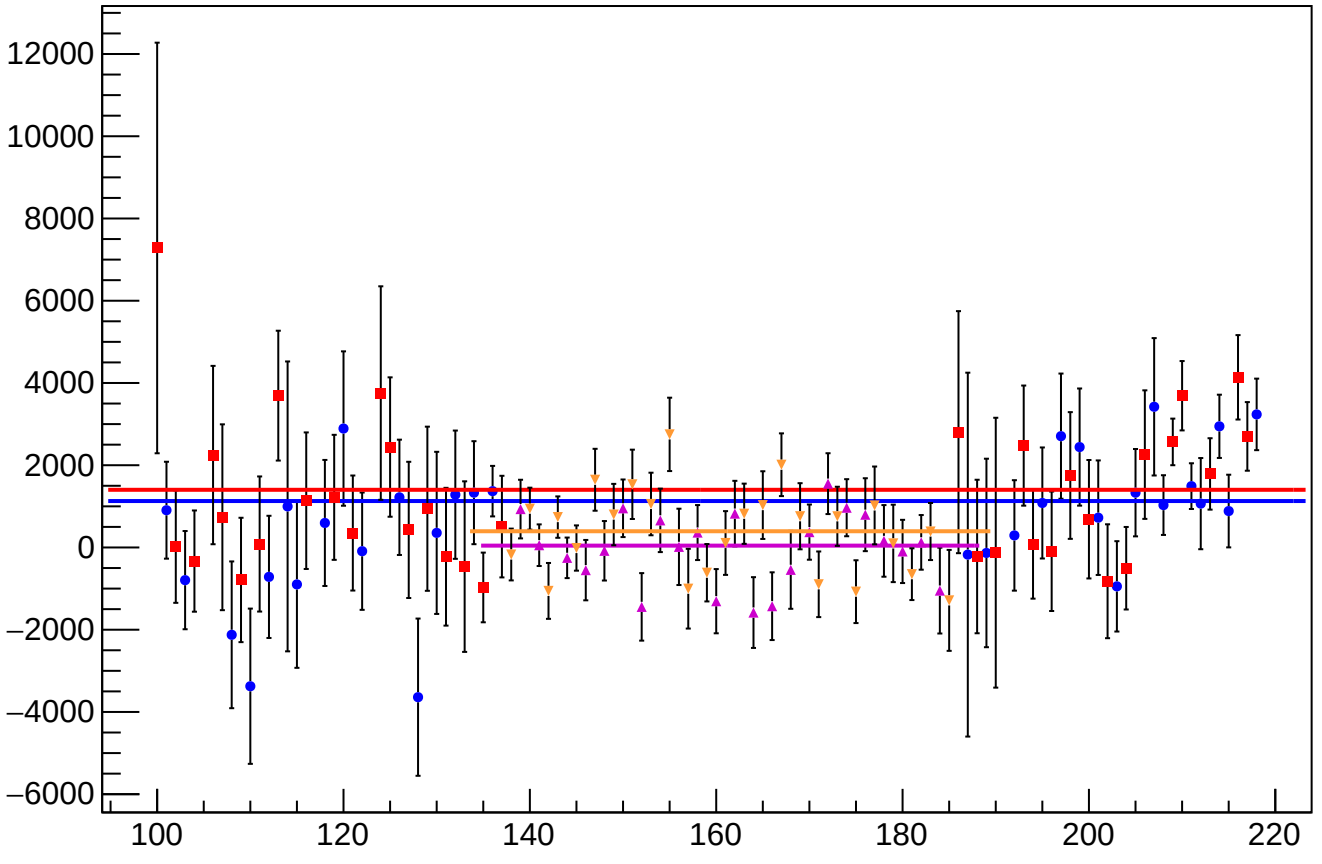
Right Out: 1340.937+/-0.211 χ^2/NDF: 163165.4/34

Left In: 1321.783+/-0.218 χ^2/NDF:3553.3/22

+ sign 1328.495+/-0.150 χ^2/NDF: 772368.5/56

All: 1330.069+/-0.107 χ^2/NDF: 943290.2/114

- sign 1331.679+/-0.152 χ^2/NDF: 170699.0/57



Right In: 1129.074+/-204.857 χ^2/NDF: 42.7/31

Left Out: 394.522+/-144.562 χ^2/NDF:41.8/24

Right Out: 1402.486+/-218.325 χ^2/NDF: 53.7/34

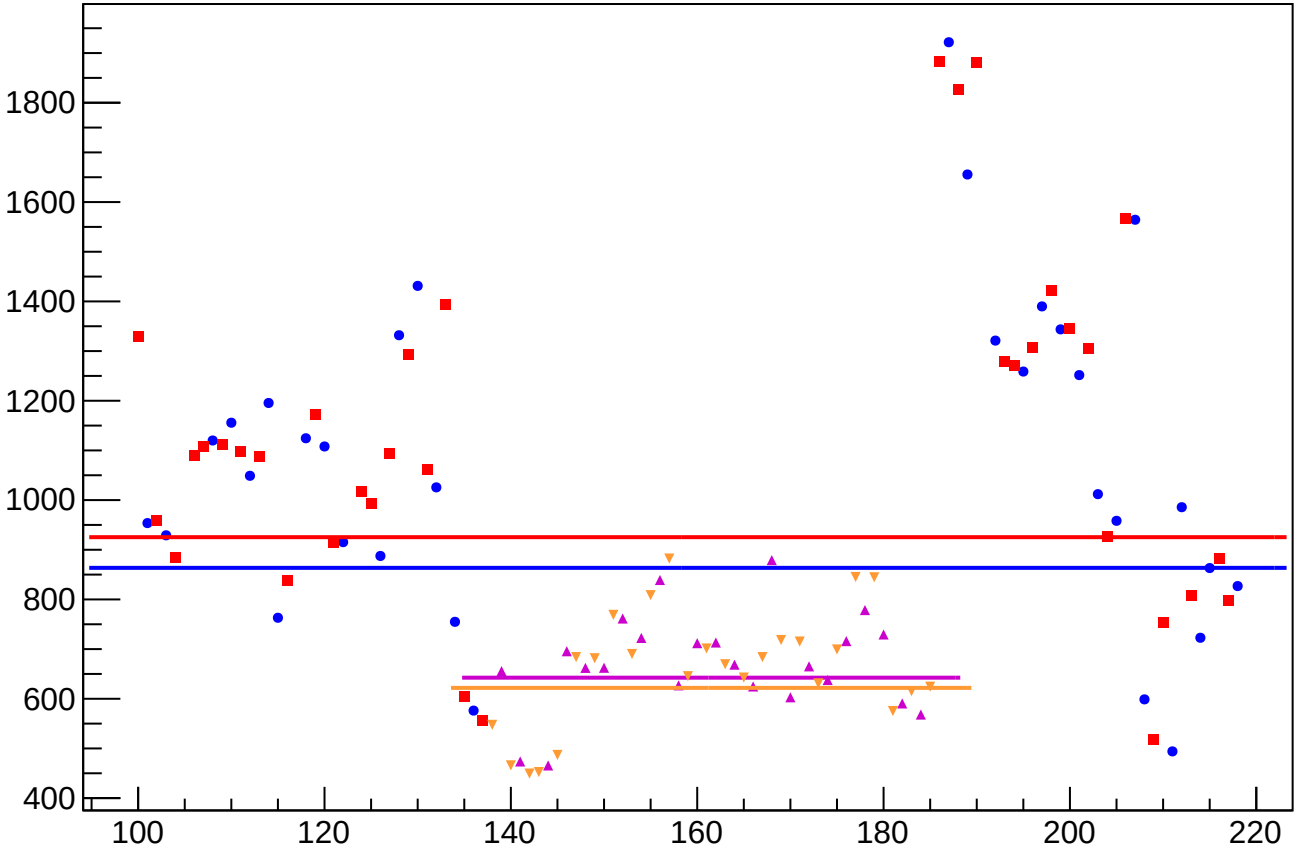
Left In: 44.766+/-152.332 χ^2/NDF:27.6/22

+ sign 638.710+/-118.114 χ^2/NDF: 93.2/56

All: 568.199+/-85.827 χ^2/NDF: 201.2/114

- sign 489.319+/-124.928 χ^2/NDF: 107.3/57

asym_usr_atr1_dd_eigen_cor_correction_rms vs Slug



Right In: 863.584+/-0.145 χ^2/NDF: 4043114.9/31

Left Out: 621.950+/-0.102 χ^2/NDF:1383373.4/24

Right Out: 925.338+/-0.154 χ^2/NDF: 4156743.9/34

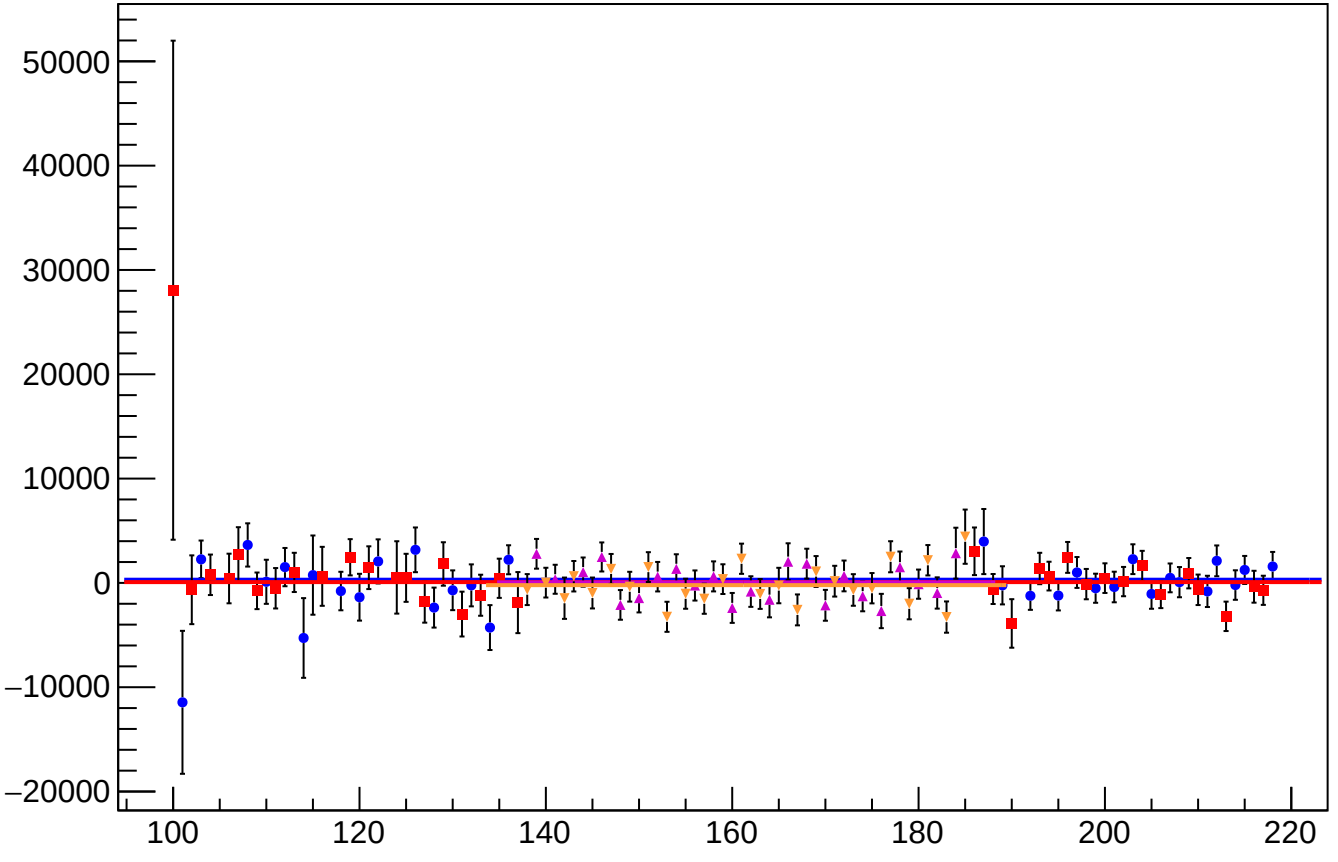
Left In: 642.465+/-0.108 χ^2/NDF:926376.1/22

+ sign 702.277+/-0.084 χ^2/NDF: 7284032.9/56

All: 717.762+/-0.061 χ^2/NDF: 14698093.5/11

- sign 735.085+/-0.088 χ^2/NDF: 7341227.3/57

dit_asym_usr_atr1_dd_mean vs Slug



Right In: 305.907+/-301.270 χ^2/NDF: 32.5/31

Left Out: -215.033+/-300.379 χ^2/NDF:31.3/24

Right Out: 76.320+/-300.273 χ^2/NDF: 26.8/34

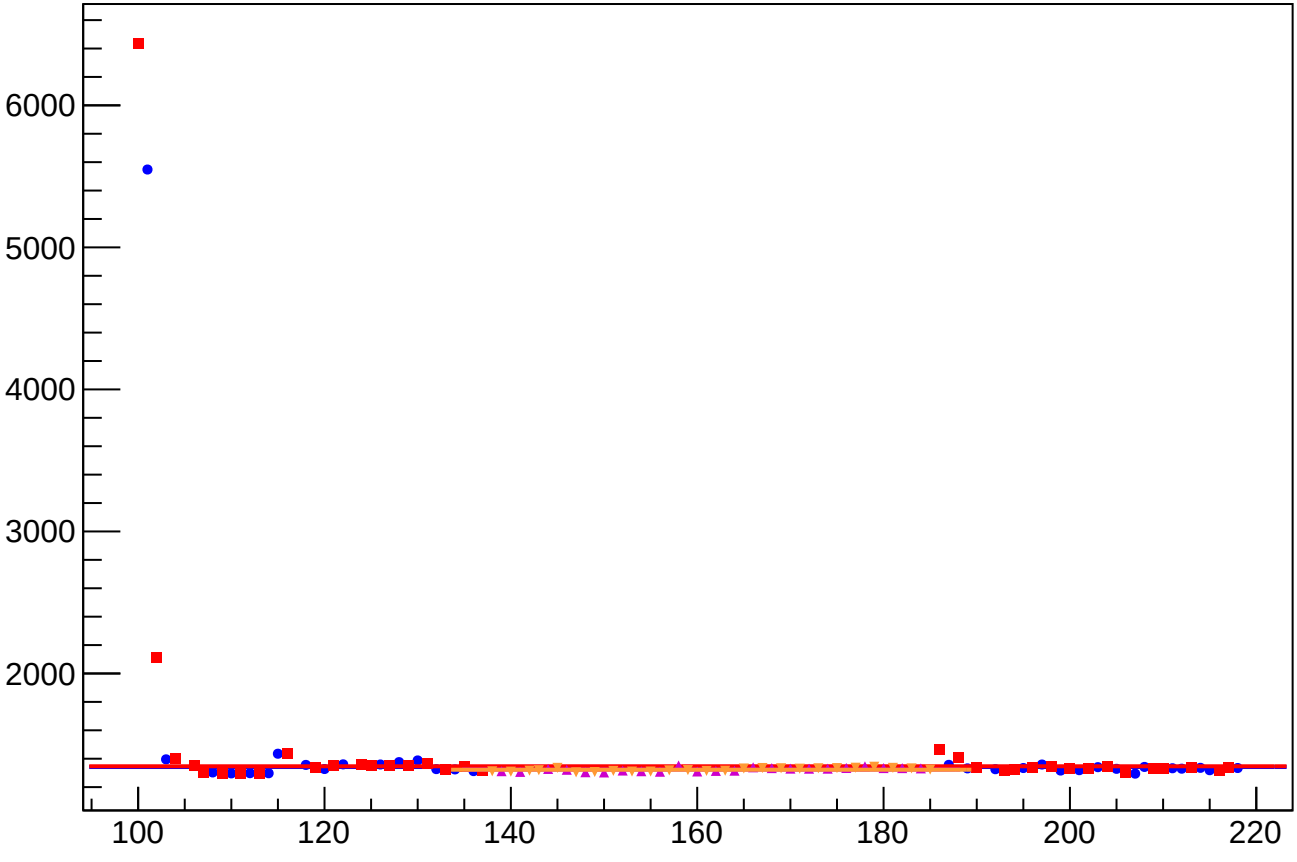
Left In: 50.244+/-308.986 χ^2/NDF:27.8/22

+ sign 44.665+/-212.714 χ^2/NDF: 65.2/56

All: 54.044+/-151.331 χ^2/NDF: 119.9/114

- sign 63.655+/-215.340 χ^2/NDF: 54.7/57

dit_asym_usr_atr1_dd_rms vs Slug



Right In: 1341.545+/-0.213 χ^2/NDF: 768157.0/31

Left Out: 1322.369+/-0.212 χ^2/NDF:2931.9/24

Right Out: 1346.766+/-0.212 χ^2/NDF: 221467.9/34

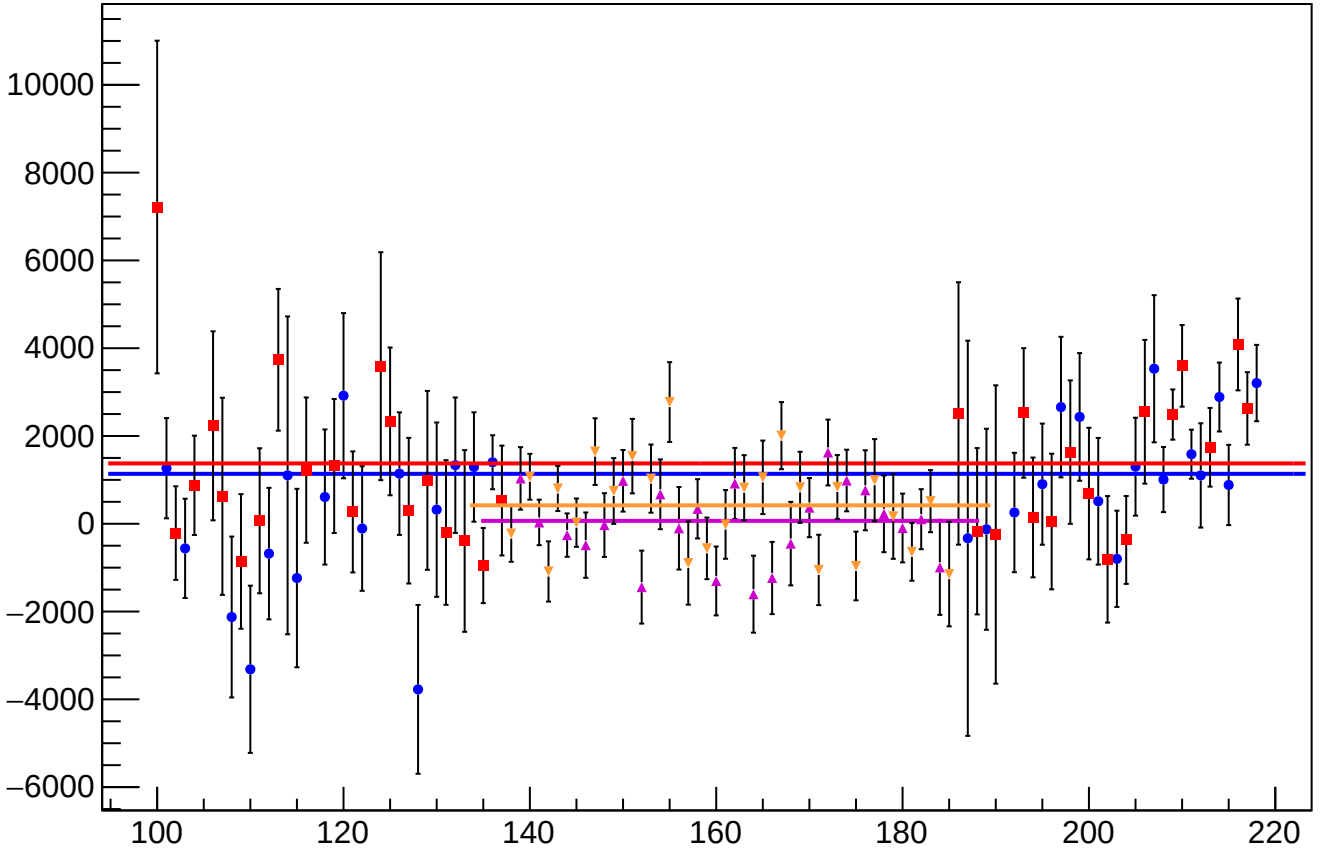
Left In: 1323.337+/-0.218 χ^2/NDF:3856.3/22

+ sign 1331.929+/-0.150 χ^2/NDF: 775152.4/56

All: 1333.636+/-0.107 χ^2/NDF: 1006651.2/11

- sign 1335.386+/-0.152 χ^2/NDF: 231237.8/57

asym_usr_atr1_dd_dit_correction_mean vs Slug



Right In: 1137.701+/-207.006 χ^2/NDF: 41.7/31

Left Out: 419.899+/-146.436 χ^2/NDF:41.5/24

Right Out: 1374.727+/-219.558 χ^2/NDF: 49.5/34

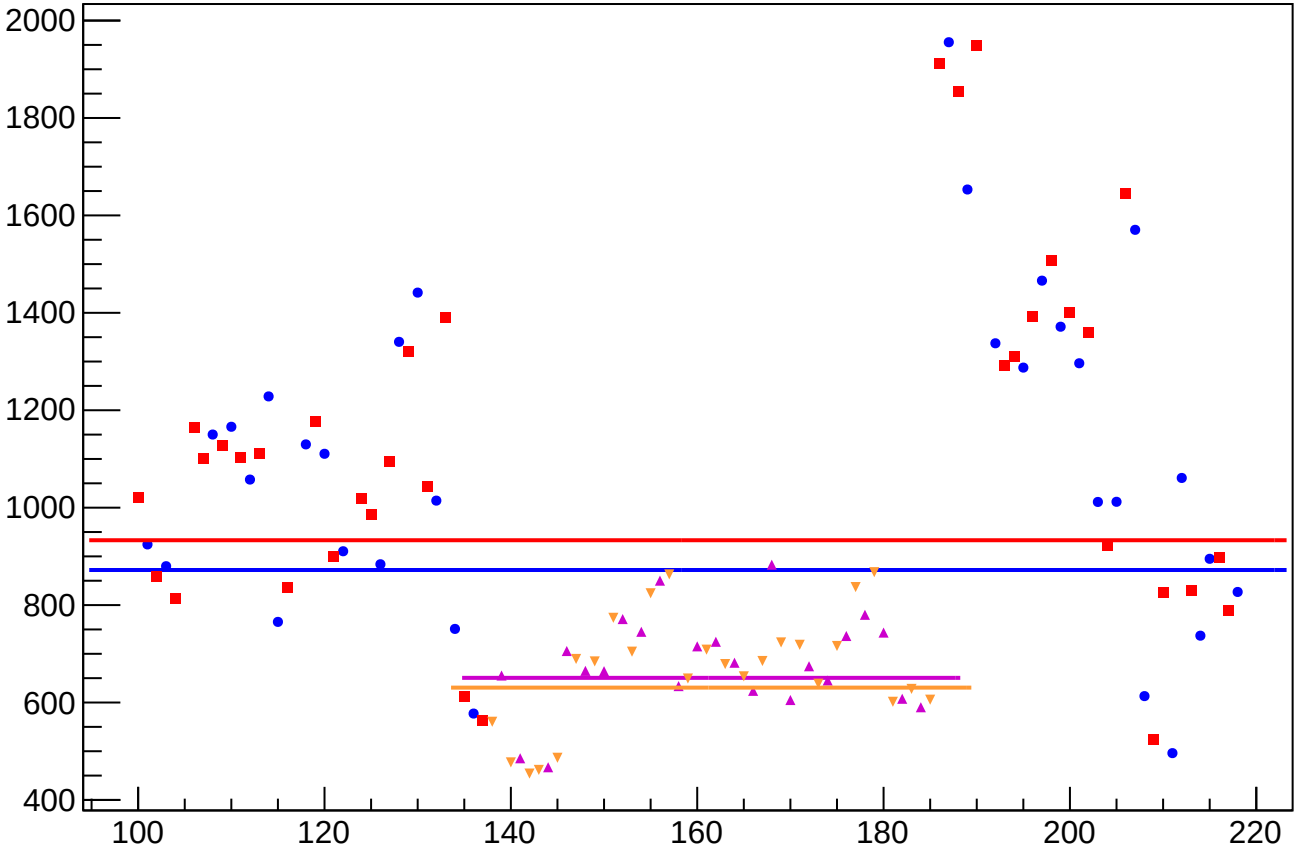
Left In: 65.405+/-154.224 χ^2/NDF:27.0/22

+ sign 659.298+/-119.548 χ^2/NDF: 91.3/56

All: 583.010+/-86.790 χ^2/NDF: 192.5/114

- sign 497.994+/-126.201 χ^2/NDF: 100.4/57

asym_usr_atr1_dd_dit_correction_rms vs Slug



Right In: 872.047+/-0.146 χ^2/NDF: 4145895.8/31

Left Out: 630.592+/-0.104 χ^2/NDF:1328590.6/24

Right Out: 933.143+/-0.155 χ^2/NDF: 4314288.5/34

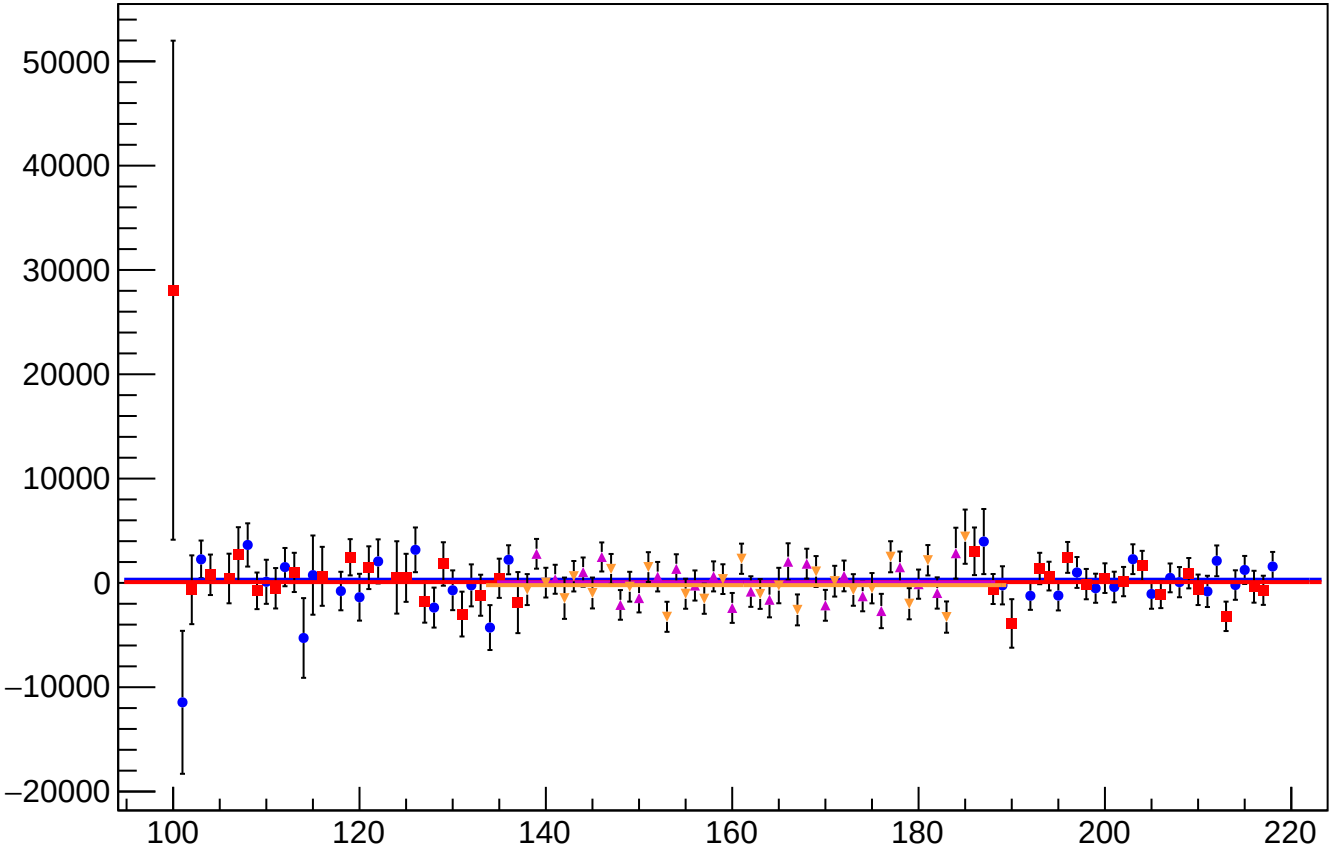
Left In: 650.637+/-0.109 χ^2/NDF:922078.1/22

+ sign 711.121+/-0.085 χ^2/NDF: 7288016.6/56

All: 726.659+/-0.061 χ^2/NDF: 14813048.1/11

- sign 743.975+/-0.089 χ^2/NDF: 7453594.6/57

eigen_dit_asym_usr_atr1_dd_mean vs Slug



Right In: 305.906+/-301.270 χ^2/NDF: 32.5/31

Left Out: -215.035+/-300.379 χ^2/NDF:31.3/24

Right Out: 76.318+/-300.273 χ^2/NDF: 26.8/34

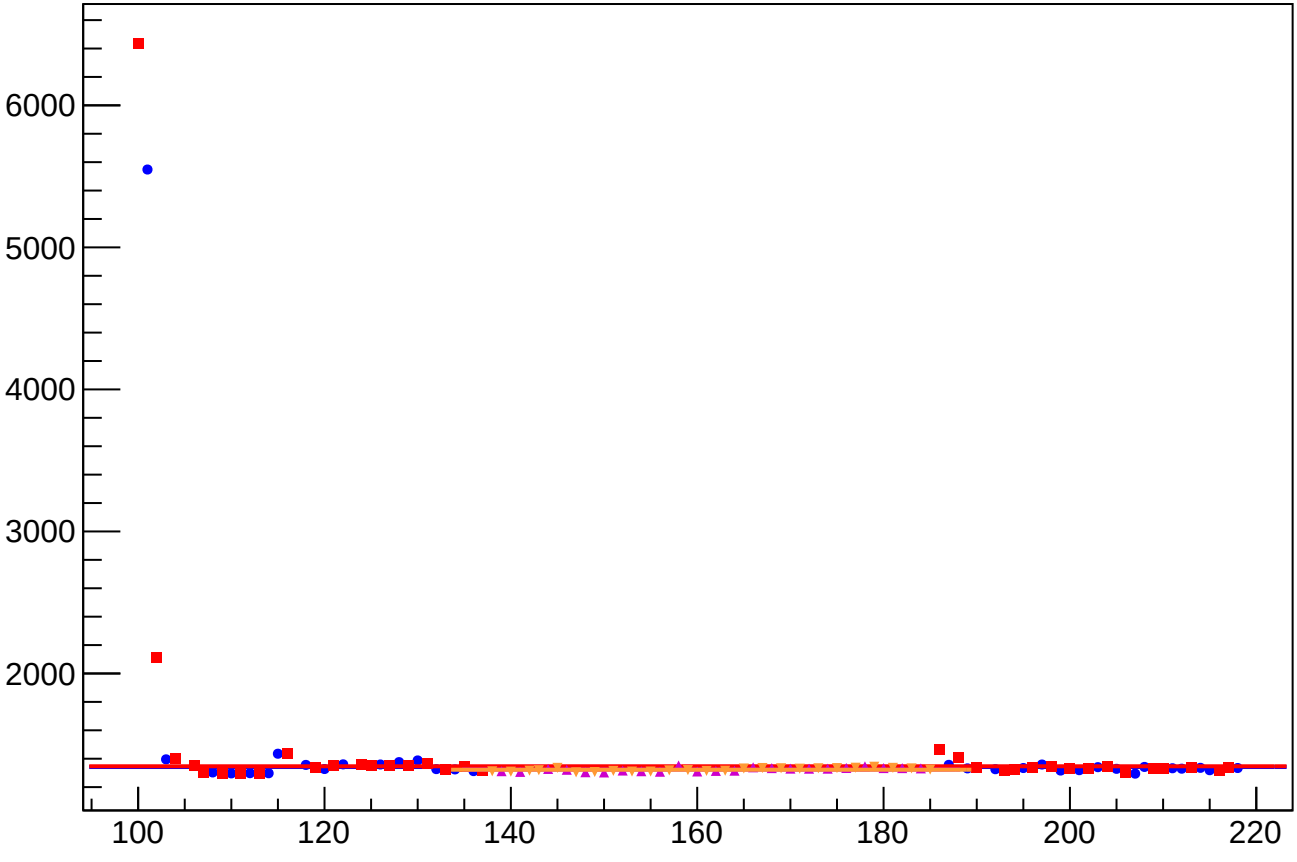
Left In: 50.244+/-308.986 χ^2/NDF:27.8/22

+ sign 44.665+/-212.714 χ^2/NDF: 65.2/56

All: 54.043+/-151.331 χ^2/NDF: 119.9/114

- sign 63.654+/-215.340 χ^2/NDF: 54.7/57

eigen_dit_asym_usr_atr1_dd_rms vs Slug



Right In: 1341.545+/-0.213 χ^2/NDF: 768157.0/31

Left Out: 1322.369+/-0.212 χ^2/NDF:2931.9/24

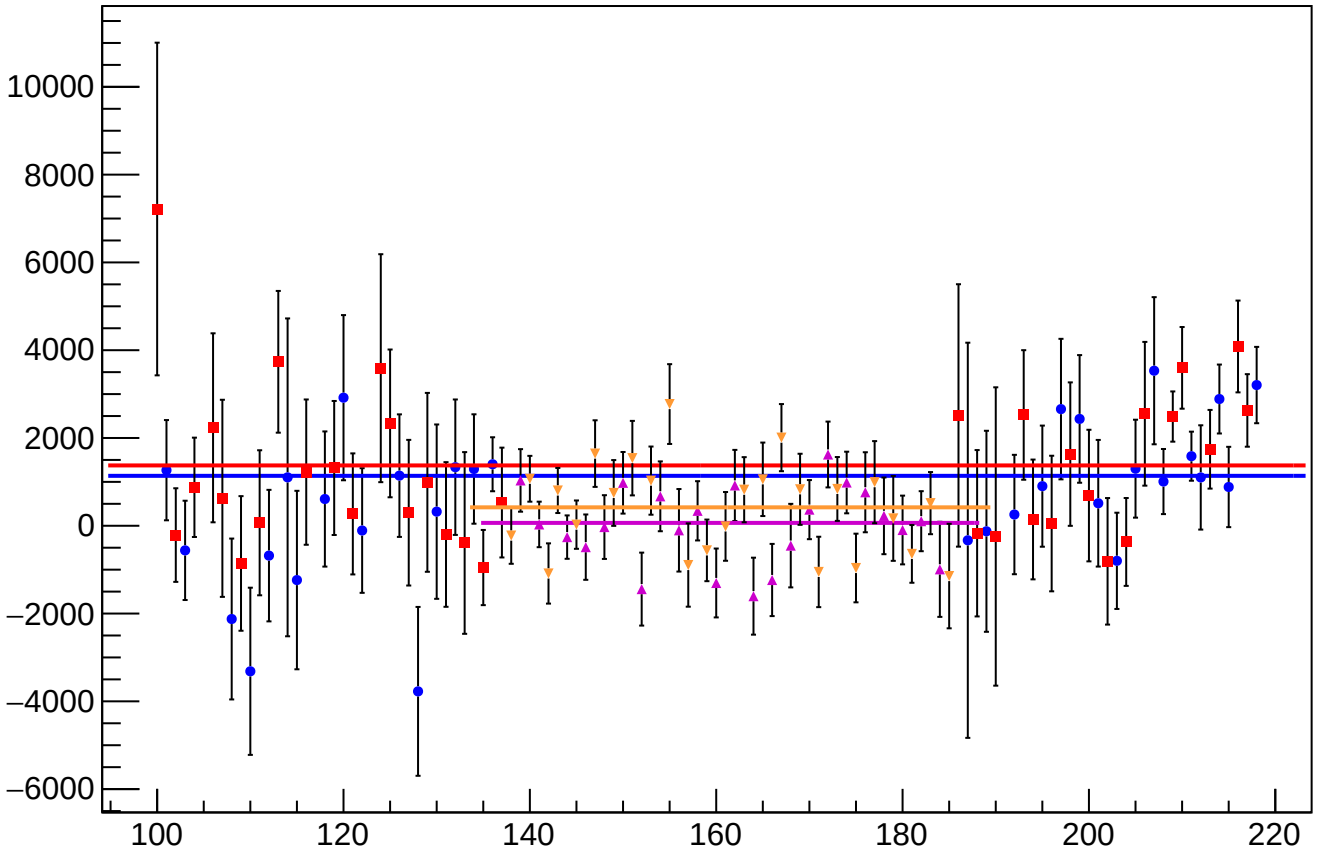
Right Out: 1346.766+/-0.212 χ^2/NDF: 221467.8/34

Left In: 1323.337+/-0.218 χ^2/NDF:3856.3/22

+ sign 1331.929+/-0.150 χ^2/NDF: 775152.4/56

All: 1333.636+/-0.107 χ^2/NDF: 1006651.1/11

- sign 1335.386+/-0.152 χ^2/NDF: 231237.7/57



Right In: 1137.699+/-207.006 χ^2/NDF: 41.7/31

Left Out: 419.899+/-146.436 χ^2/NDF:41.5/24

Right Out: 1374.726+/-219.557 χ^2/NDF: 49.5/34

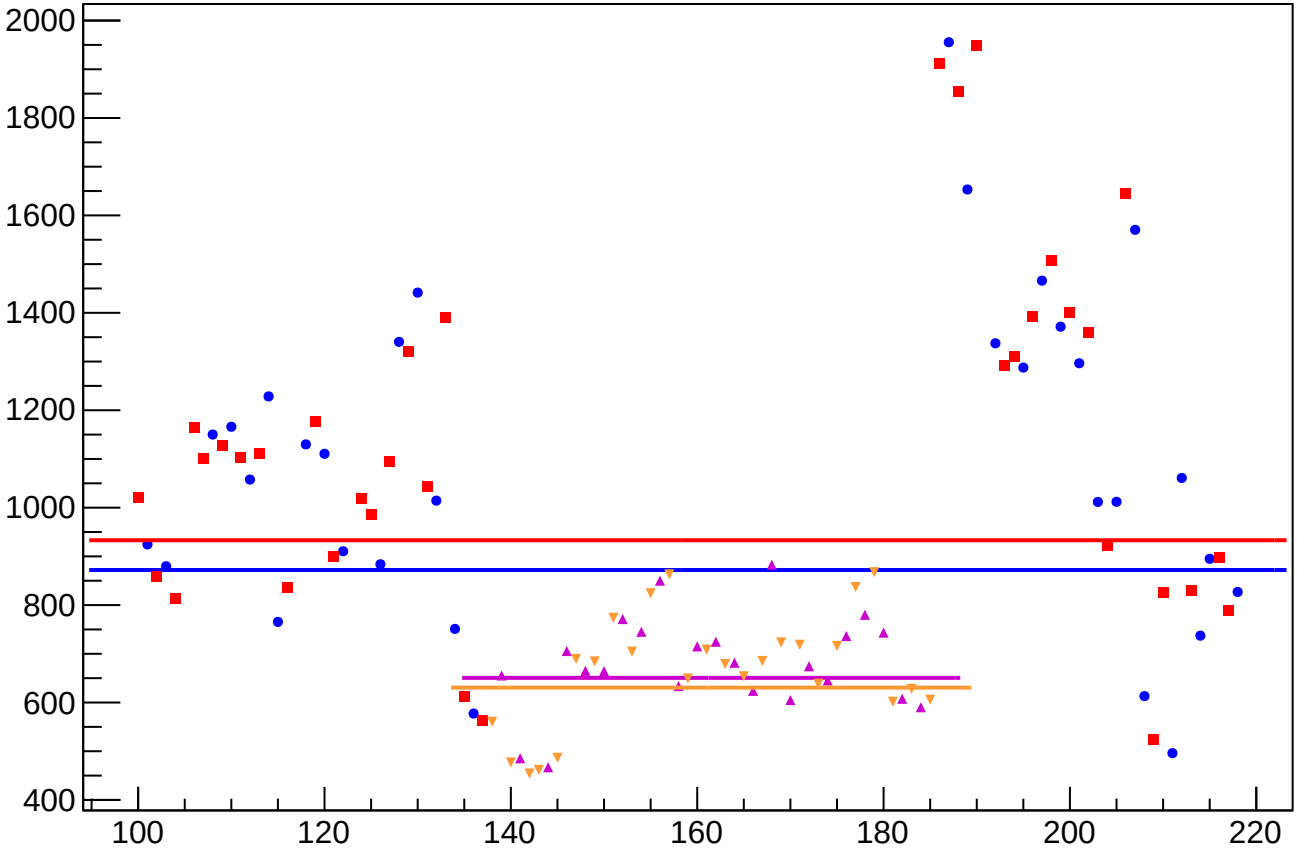
Left In: 65.405+/-154.225 χ^2/NDF:27.0/22

+ sign 659.298+/-119.548 χ^2/NDF: 91.3/56

All: 583.011+/-86.790 χ^2/NDF: 192.5/114

- sign 497.996+/-126.201 χ^2/NDF: 100.4/57

asym_usr_atr1_dd_eigen_dit_correction_rms vs Slug



Right In: 872.046+/-0.146 χ^2/NDF: 4145890.0/31

Left Out: 630.592+/-0.104 χ^2/NDF:1328610.2/24

Right Out: 933.141+/-0.155 χ^2/NDF: 4314315.1/34

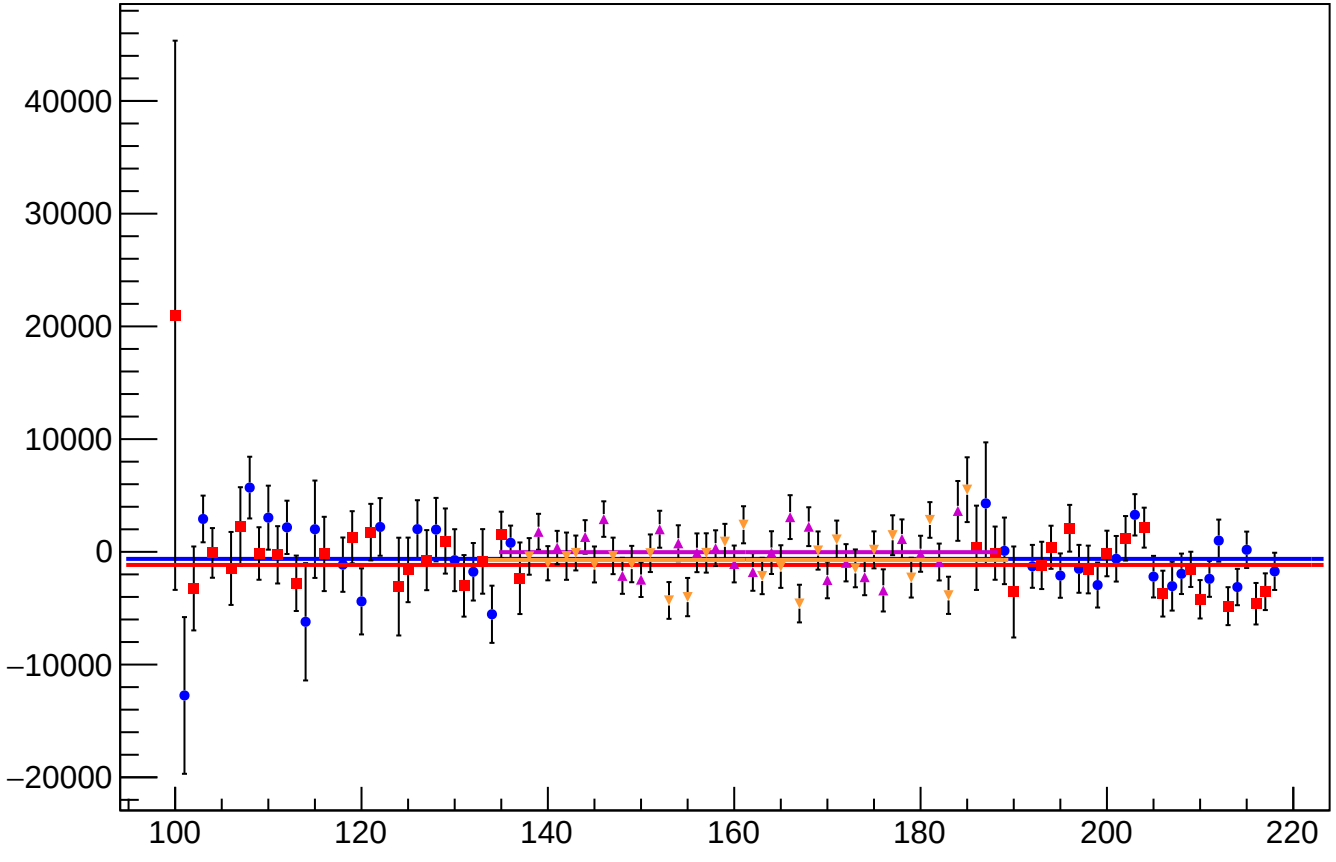
Left In: 650.638+/-0.109 χ^2/NDF:922087.6/22

+ sign 711.121+/-0.085 χ^2/NDF: 7288012.8/56

All: 726.659+/-0.061 χ^2/NDF: 14813033.1/11

- sign 743.975+/-0.089 χ^2/NDF: 7453582.8/57

asym_usr_atr1_dd_mean vs Slug



Right In: -623.982+/-386.265 χ^2/NDF: 40.8/31

Left Out: -718.291+/-337.578 χ^2/NDF:37.7/24

Right Out: -1160.987+/-391.169 χ^2/NDF: 32.9/34

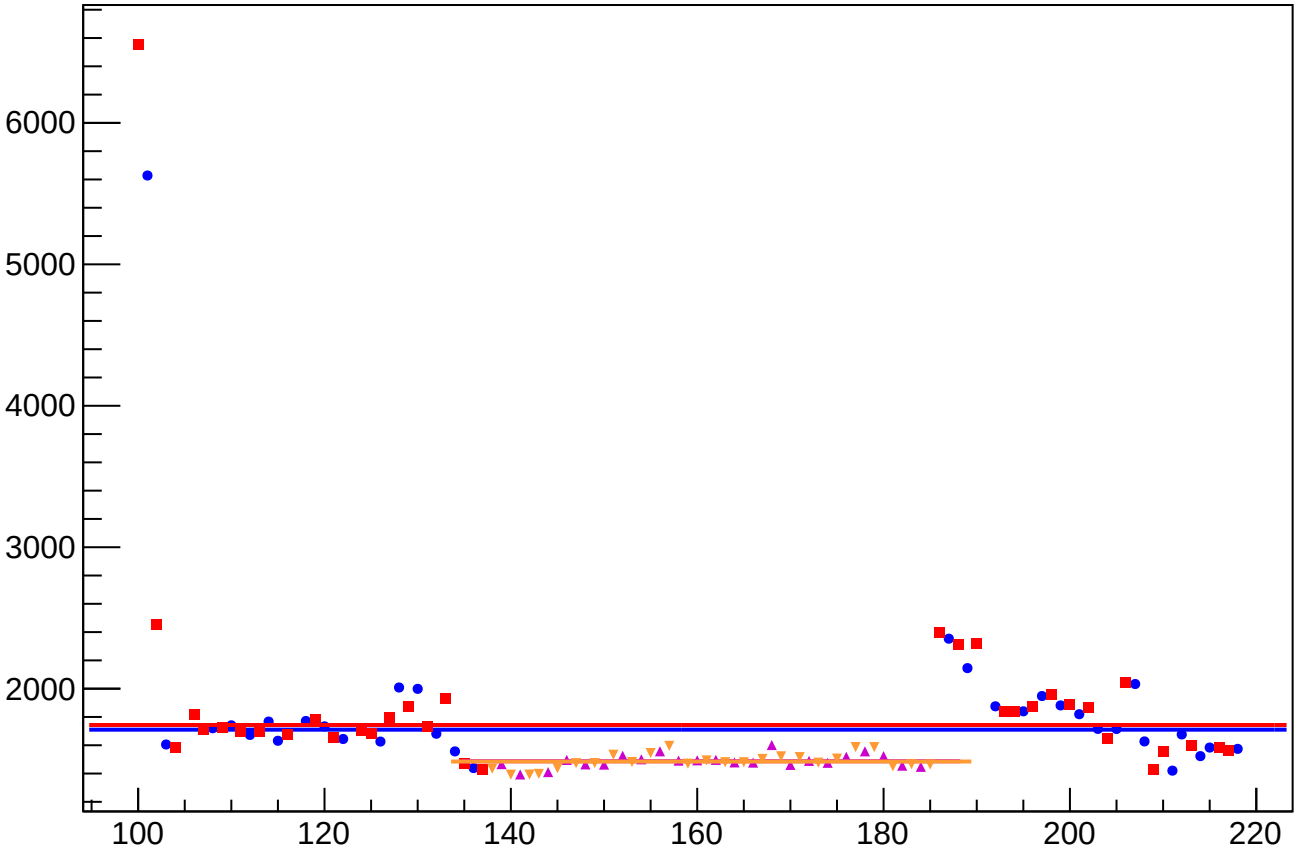
Left In: -27.514+/-347.415 χ^2/NDF:28.0/22

+ sign -677.451+/-254.185 χ^2/NDF: 78.6/56

All: -604.022+/-181.674 χ^2/NDF: 144.3/114

- sign -527.338+/-259.757 χ^2/NDF: 65.6/57

asym_usr_atr1_dd_rms vs Slug



Right In: 1710.211+/-0.273 χ^2/NDF: 1071489.3/31

Left Out: 1484.960+/-0.239 χ^2/NDF:50905.1/24

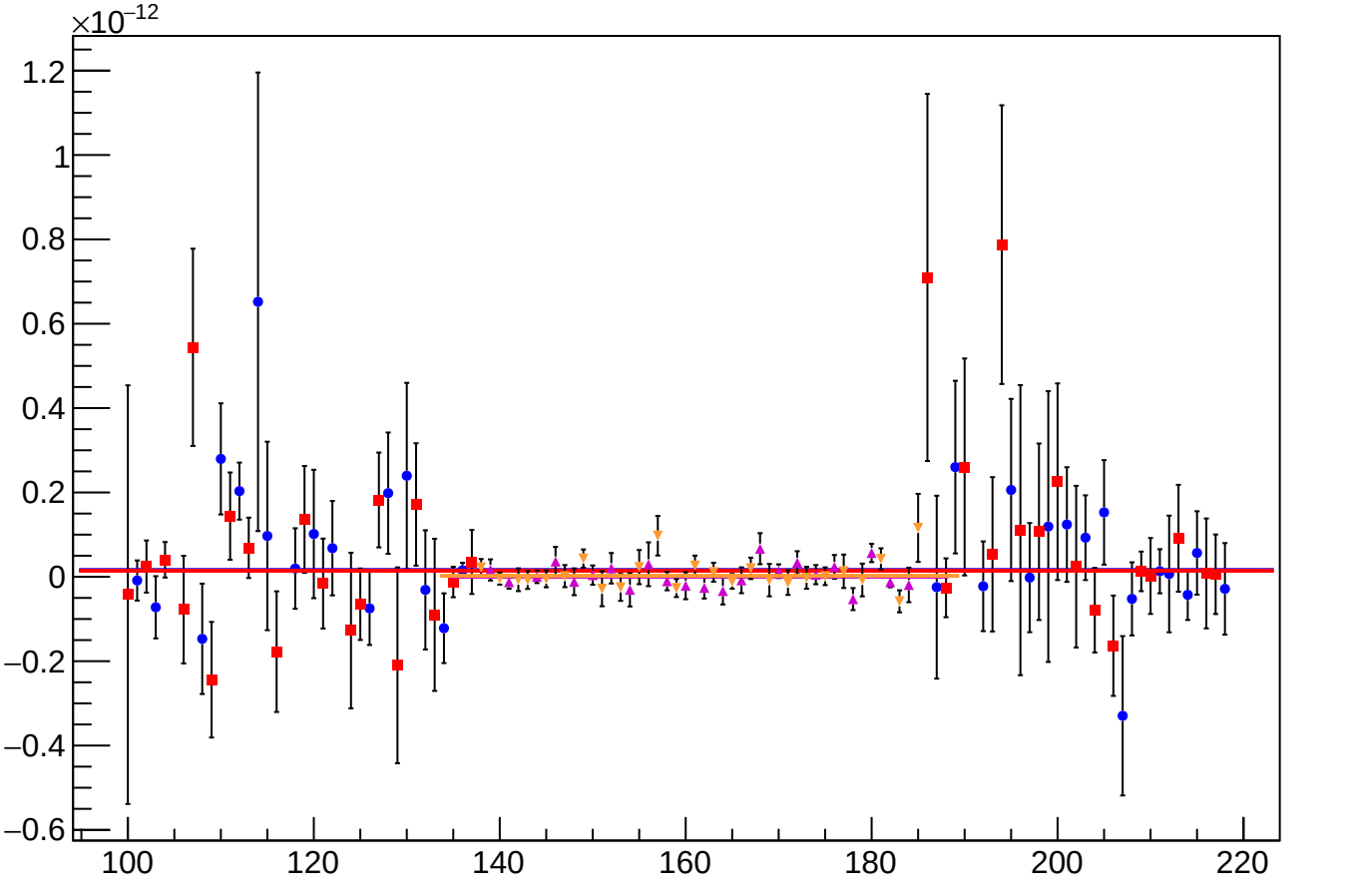
Right Out: 1743.191+/-0.277 χ^2/NDF: 720621.6/34

Left In: 1487.112+/-0.246 χ^2/NDF:34817.2/22

+ sign 1582.503+/-0.180 χ^2/NDF: 1508001.0/56

All: 1591.079+/-0.128 χ^2/NDF: 2747262.0/11

- sign 1600.035+/-0.184 χ^2/NDF: 1234606.8/57



Right In: 0.000+/-0.000 χ^2/NDF: 33.8/31

Left Out: 0.000+/-0.000 χ^2/NDF:25.4/24

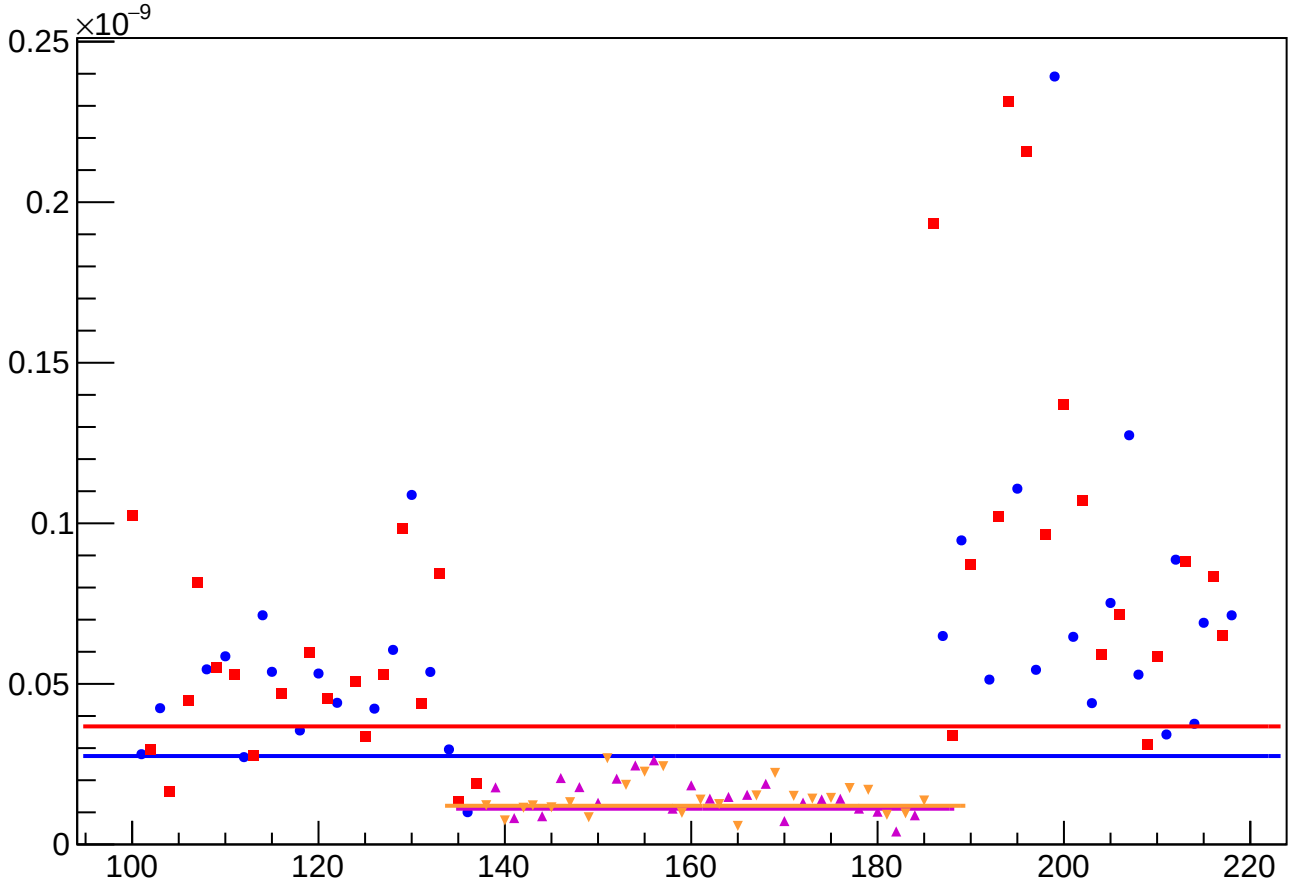
Right Out: 0.000+/-0.000 χ^2/NDF: 35.3/34

Left In: 0.000+/-0.000 χ^2/NDF:24.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 60.2/56

All: 0.000+/-0.000 χ^2/NDF: 121.3/114

- sign 0.000+/-0.000 χ^2/NDF: 60.9/57



Right In: 0.000+/-0.000 χ^2/NDF: 6929208.1/31

Left Out: 0.000+/-0.000 χ^2/NDF:1520224.5/24

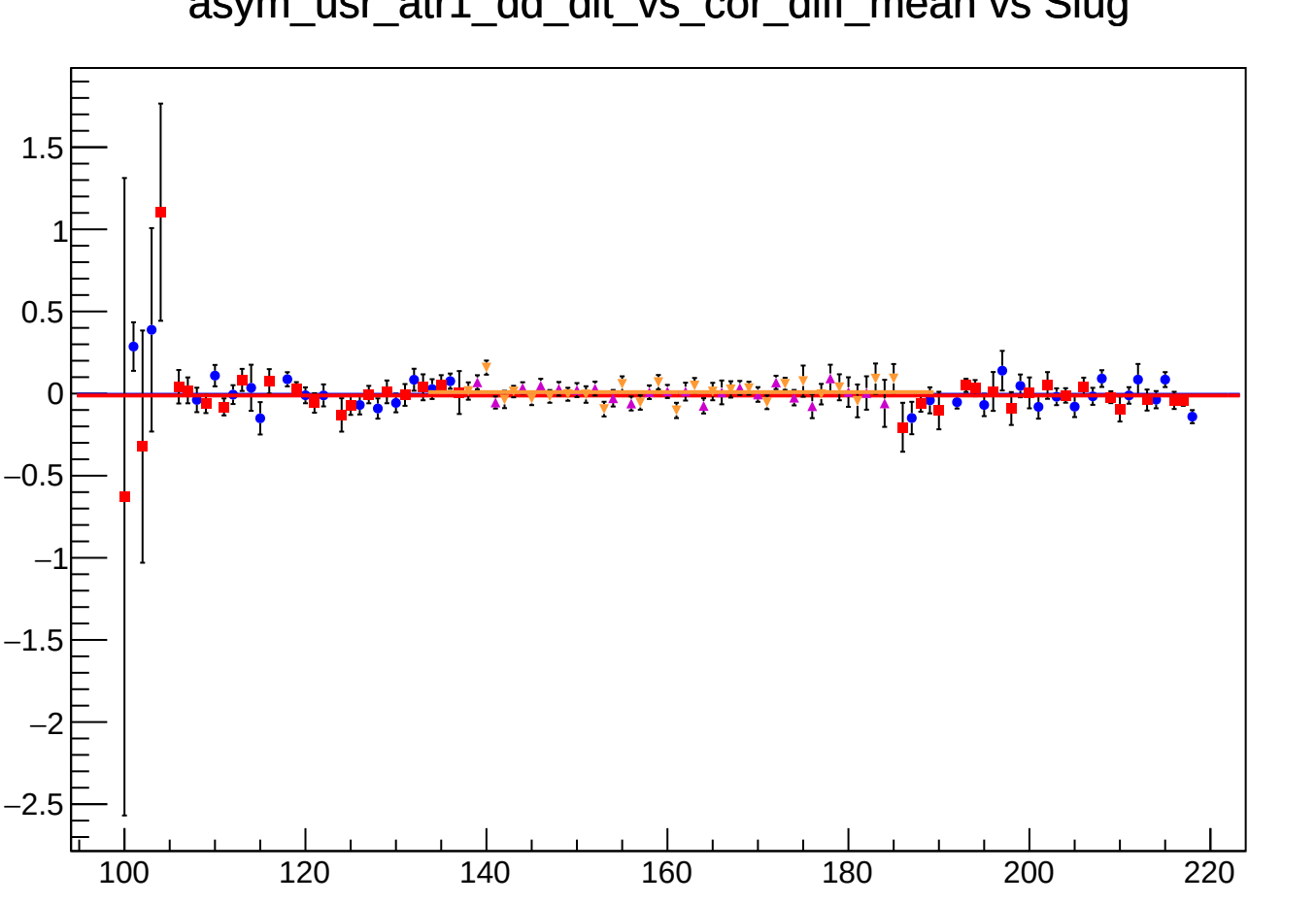
Right Out: 0.000+/-0.000 χ^2/NDF: 5938858.8/34

Left In: 0.000+/-0.000 χ^2/NDF:2209676.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 11076279.9/56

All: 0.000+/-0.000 χ^2/NDF: 24127209.8/114

- sign 0.000+/-0.000 χ^2/NDF: 13022844.8/57



Right In: -0.007+/-0.011 χ^2/NDF: 53.1/31

Left Out: 0.009+/-0.010 χ^2/NDF:38.6/24

Right Out: -0.012+/-0.010 χ^2/NDF: 26.3/34

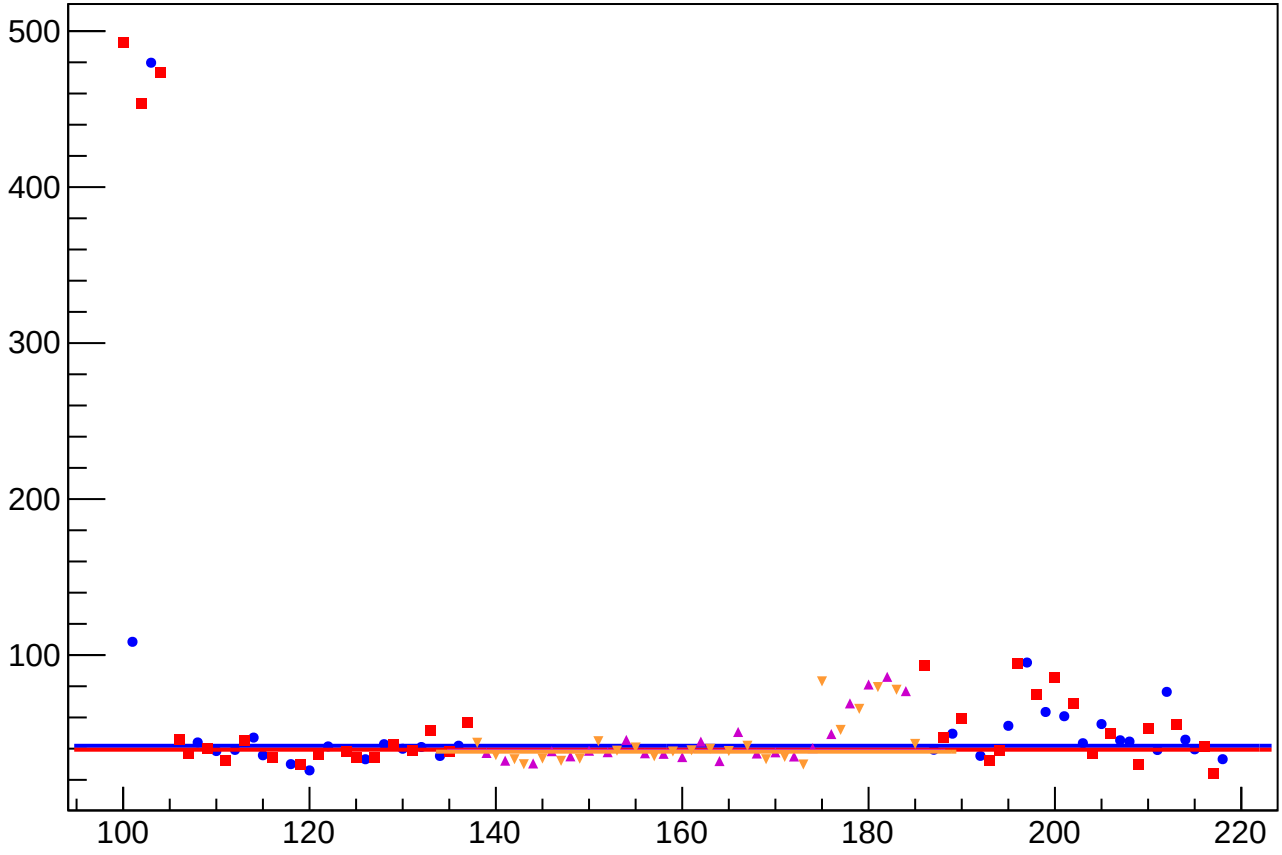
Left In: 0.008+/-0.010 χ^2/NDF:18.9/22

+ sign 0.002+/-0.007 χ^2/NDF: 92.9/56

All: 0.000+/-0.005 χ^2/NDF: 140.1/114

- sign -0.001+/-0.007 χ^2/NDF: 47.0/57

asym_usr_atr1_dd_dit_vs_cor_diff_rms vs Slug



Right In: 41.842+/-0.007 χ^2/NDF: 3222426.9/31

Left Out: 38.067+/-0.007 χ^2/NDF:1967115.3/24

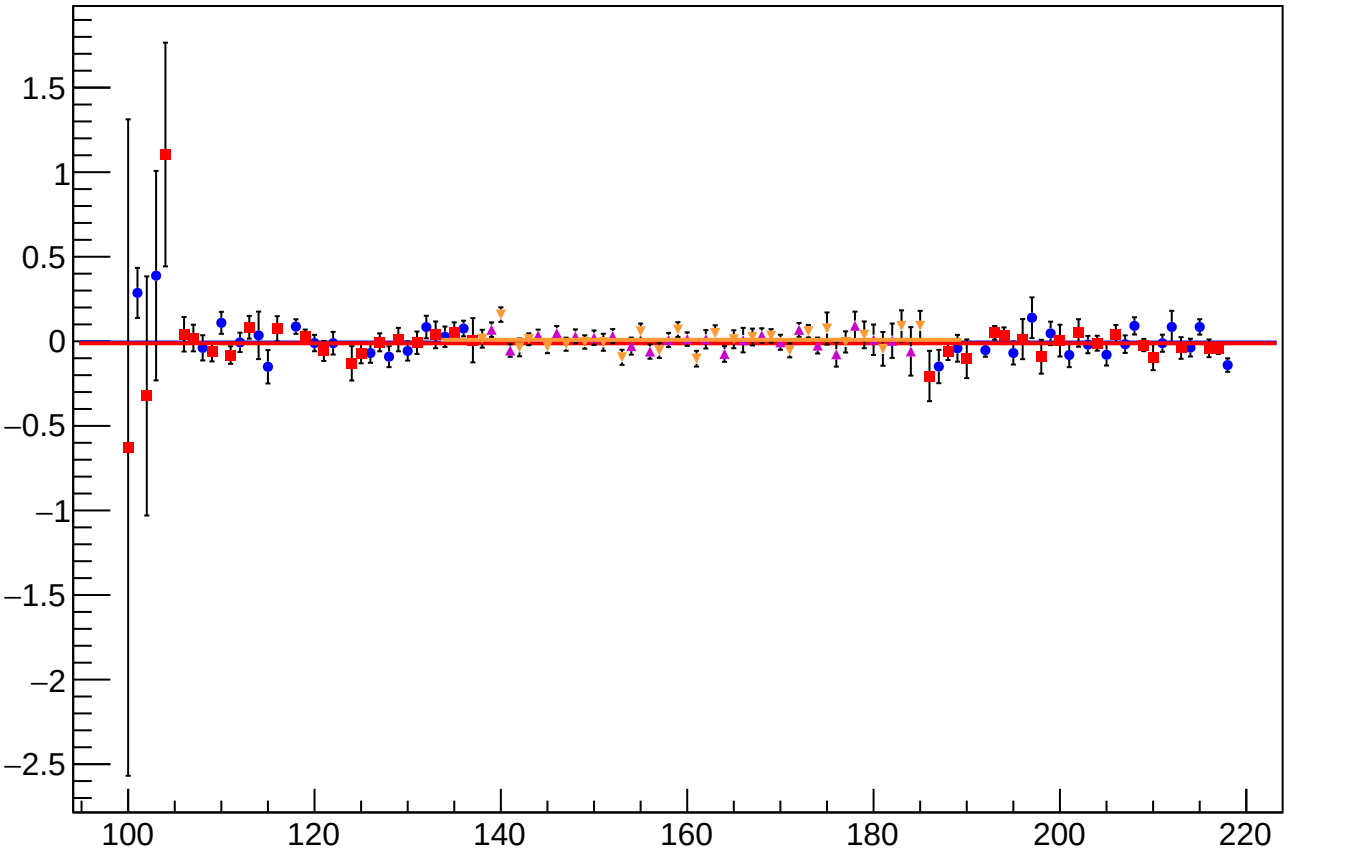
Right Out: 39.329+/-0.007 χ^2/NDF: 4715732.6/34

Left In: 38.630+/-0.007 χ^2/NDF:1727664.7/22

+ sign 39.763+/-0.005 χ^2/NDF: 5329372.9/56

All: 39.367+/-0.004 χ^2/NDF: 11790083.6/114

- sign 38.962+/-0.005 χ^2/NDF: 6448123.3/57



Right In: -0.007+/-0.011 χ^2/NDF: 53.1/31

Left Out: 0.009+/-0.010 χ^2/NDF:38.6/24

Right Out: -0.012+/-0.010 χ^2/NDF: 26.3/34

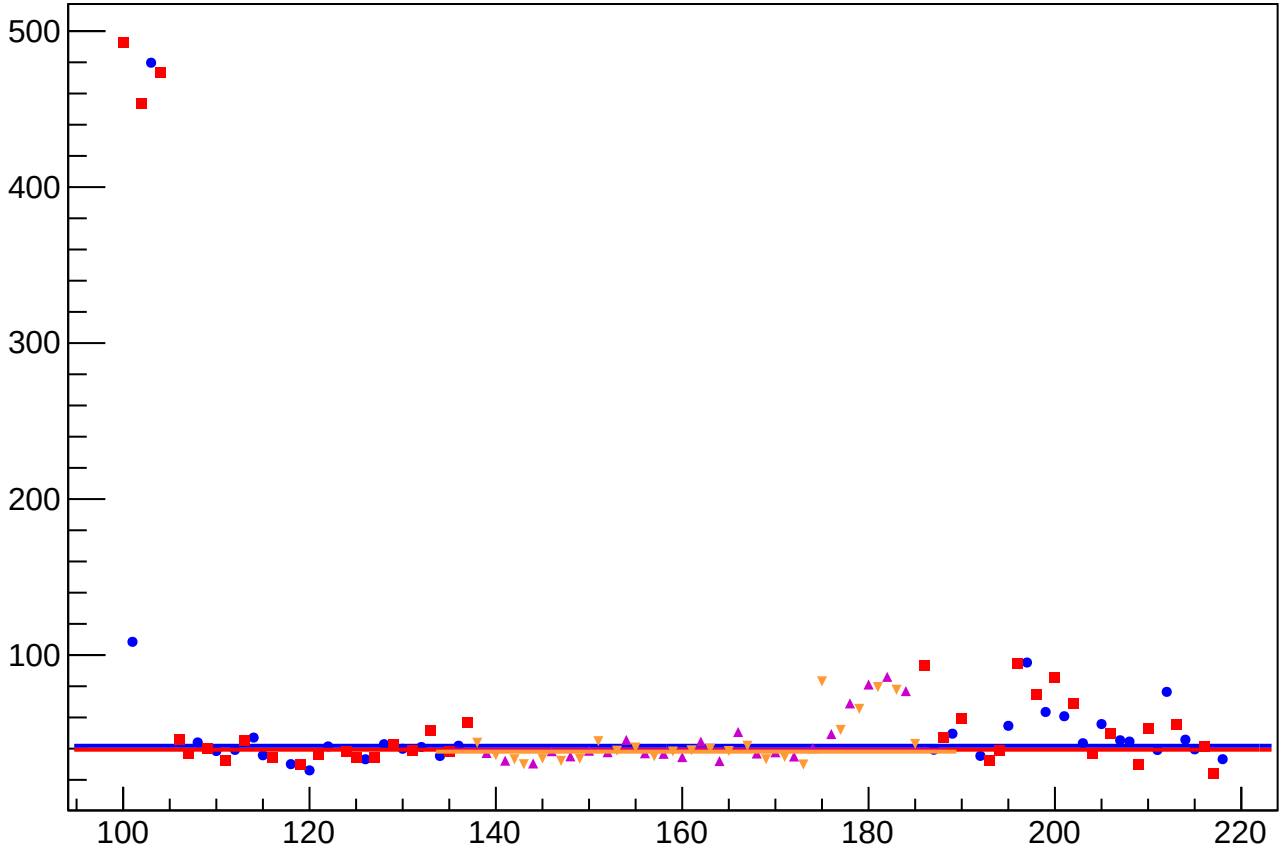
Left In: 0.008+/-0.010 χ^2/NDF:18.9/22

+ sign 0.002+/-0.007 χ^2/NDF: 92.9/56

All: 0.000+/-0.005 χ^2/NDF: 140.1/114

- sign -0.001+/-0.007 χ^2/NDF: 47.0/57

asym_usr_atr1_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 41.842+/-0.007 χ^2/NDF: 3222426.9/31

Left Out: 38.067+/-0.007 χ^2/NDF:1967115.3/24

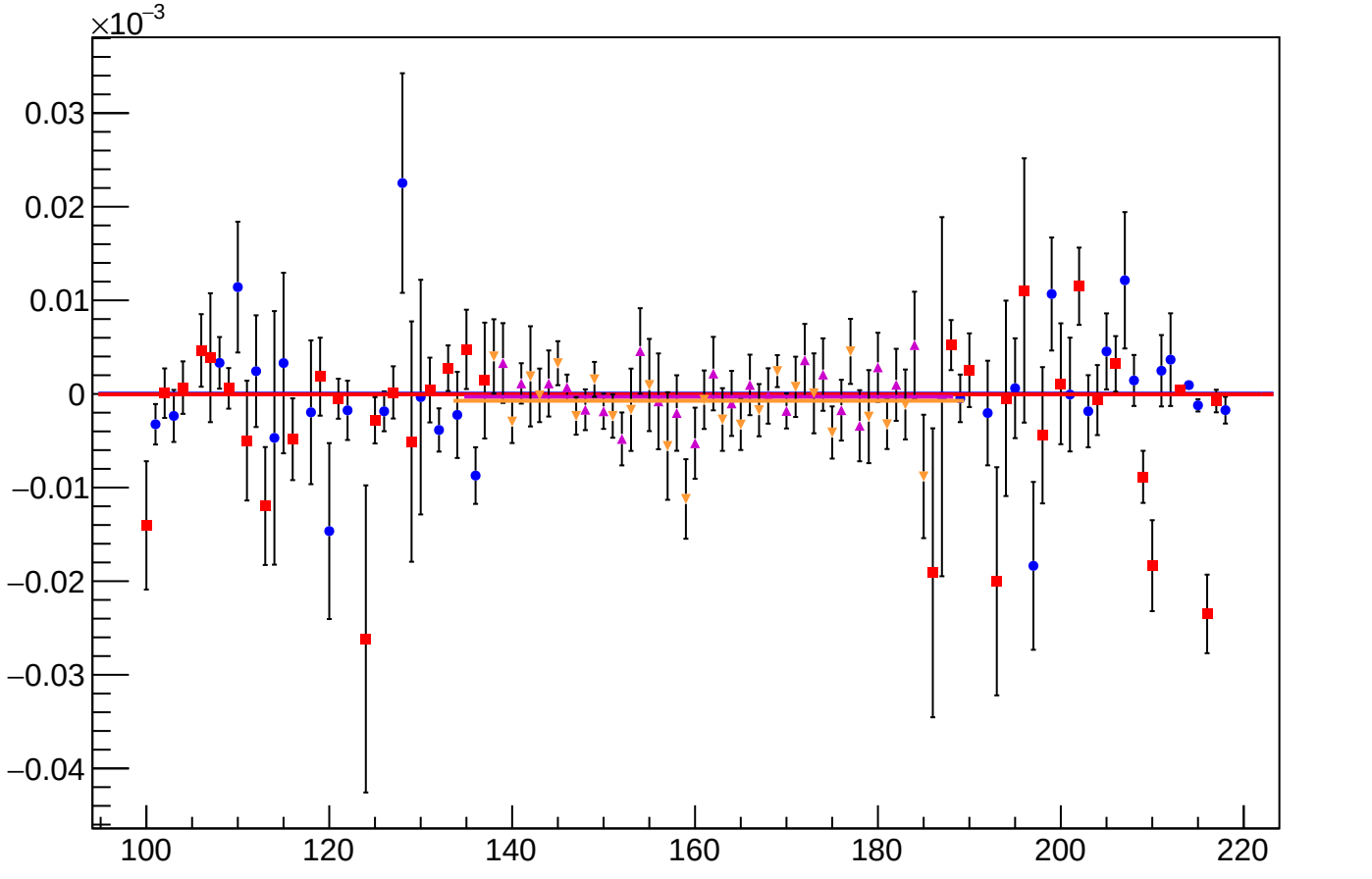
Right Out: 39.329+/-0.007 χ^2/NDF: 4715732.6/34

Left In: 38.630+/-0.007 χ^2/NDF:1727664.7/22

+ sign 39.763+/-0.005 χ^2/NDF: 5329372.9/56

All: 39.367+/-0.004 χ^2/NDF: 11790083.6/114

- sign 38.962+/-0.005 χ^2/NDF: 6448123.3/57



Right In: 0.000+/-0.000 χ^2/NDF: 49.4/31

Left Out: -0.000+/-0.000 χ^2/NDF:26.6/24

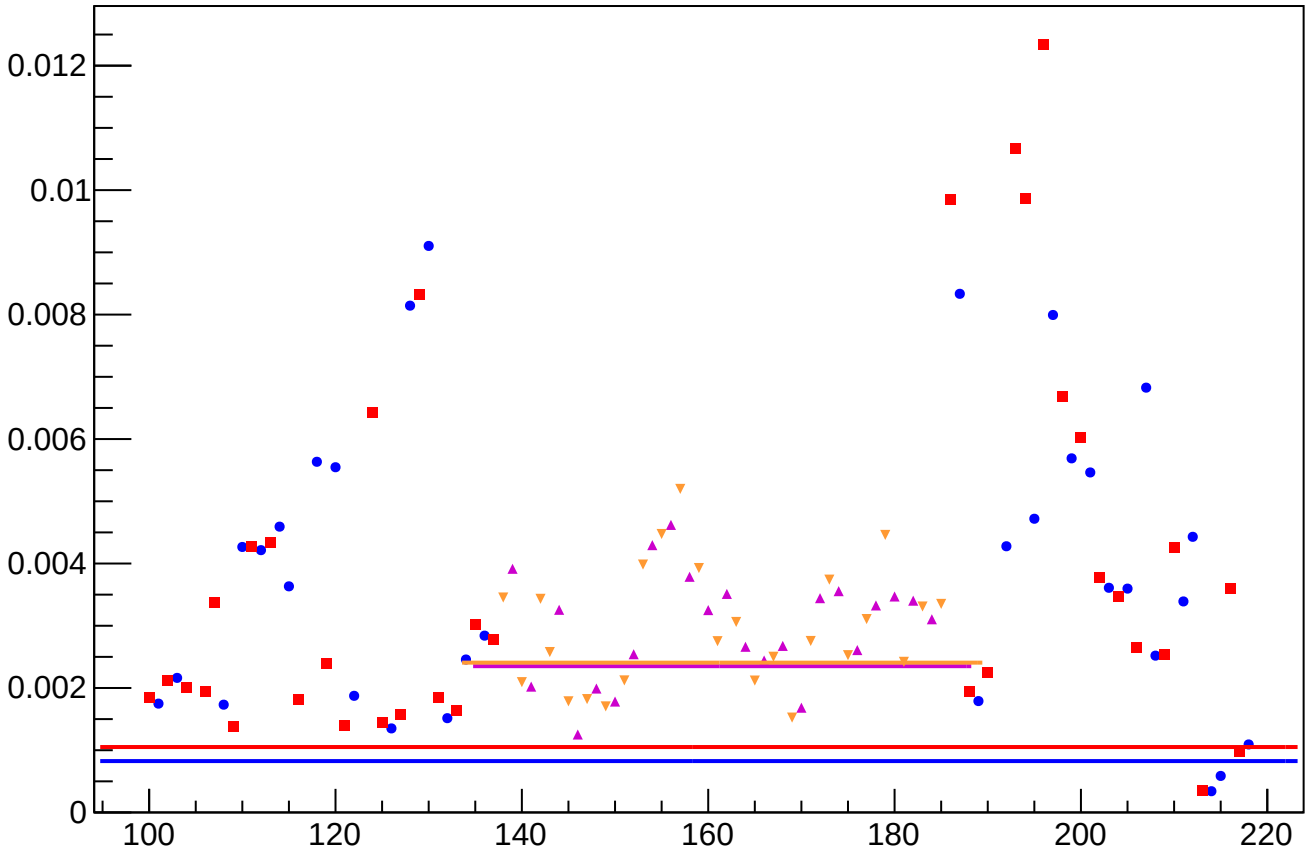
Right Out: -0.000+/-0.000 χ^2/NDF: 93.9/34

Left In: -0.000+/-0.000 χ^2/NDF:13.8/22

+ sign -0.000+/-0.000 χ^2/NDF: 77.2/56

All: -0.000+/-0.000 χ^2/NDF: 185.0/114

- sign -0.000+/-0.000 χ^2/NDF: 107.8/57



Right In: 0.001+/-0.000 χ^2/NDF: 22534786.3/31

Left Out: 0.002+/-0.000 χ^2/NDF:3682960.0/24

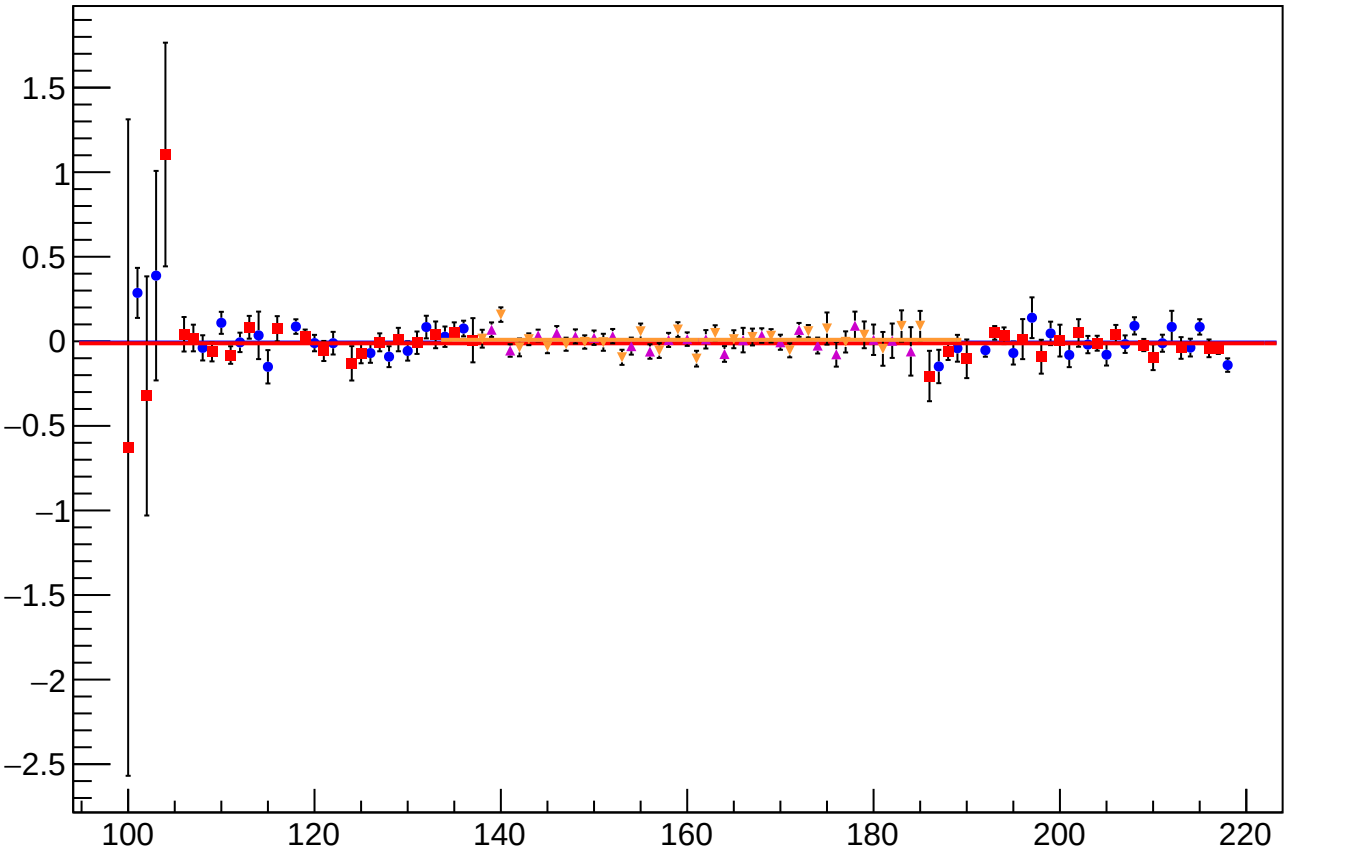
Right Out: 0.001+/-0.000 χ^2/NDF: 20138742.7/34

Left In: 0.002+/-0.000 χ^2/NDF:4438139.5/22

+ sign 0.001+/-0.000 χ^2/NDF: 37769525.2/56

All: 0.001+/-0.000 χ^2/NDF: 69969139.7/114

- sign 0.001+/-0.000 χ^2/NDF: 31455647.8/57



Right In: -0.007+/-0.011 χ^2/NDF: 53.1/31

Left Out: 0.009+/-0.010 χ^2/NDF:38.6/24

Right Out: -0.012+/-0.010 χ^2/NDF: 26.3/34

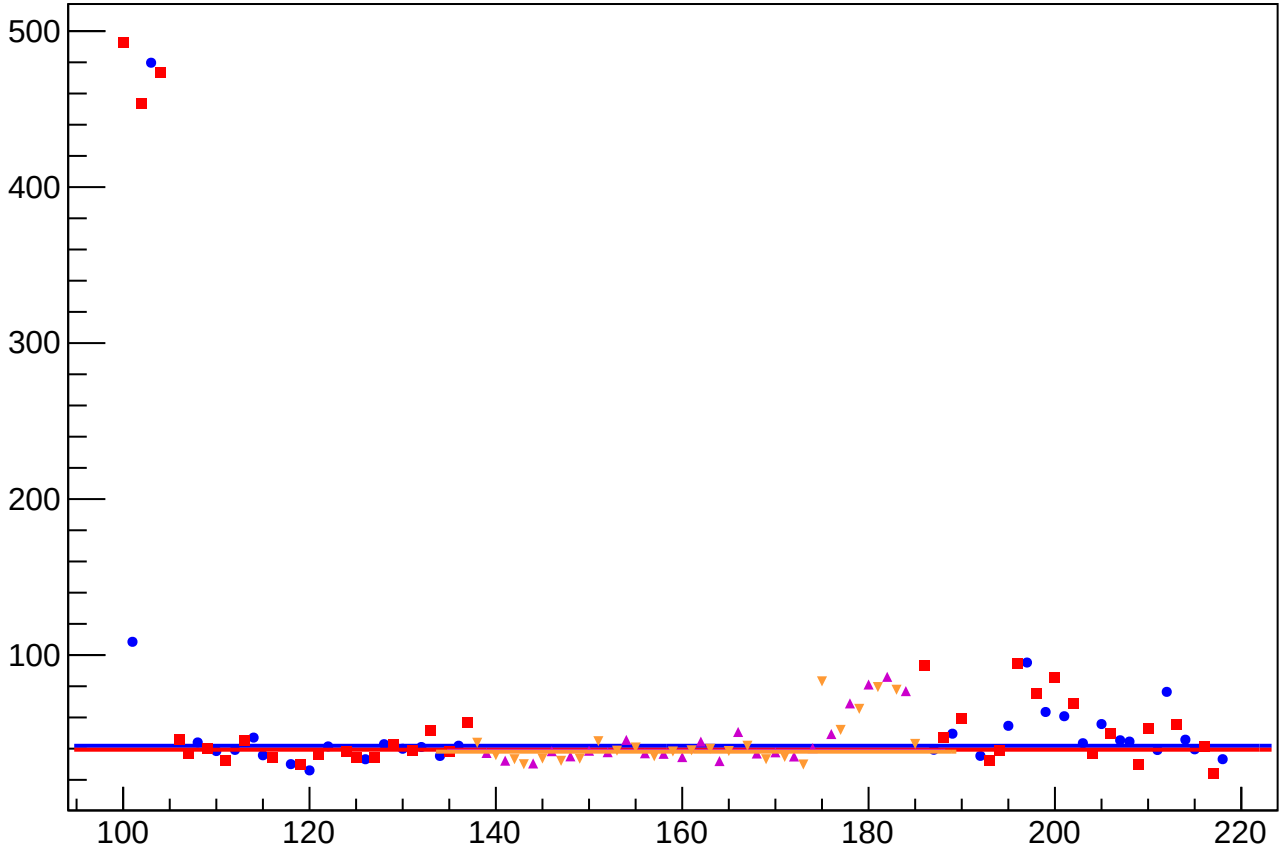
Left In: 0.008+/-0.010 χ^2/NDF:18.9/22

+ sign 0.002+/-0.007 χ^2/NDF: 92.9/56

All: 0.000+/-0.005 χ^2/NDF: 140.1/114

- sign -0.001+/-0.007 χ^2/NDF: 47.0/57

asym_usr_atr1_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 41.842+/-0.007 χ^2/NDF: 3222654.5/31

Left Out: 38.067+/-0.007 χ^2/NDF:1967110.9/24

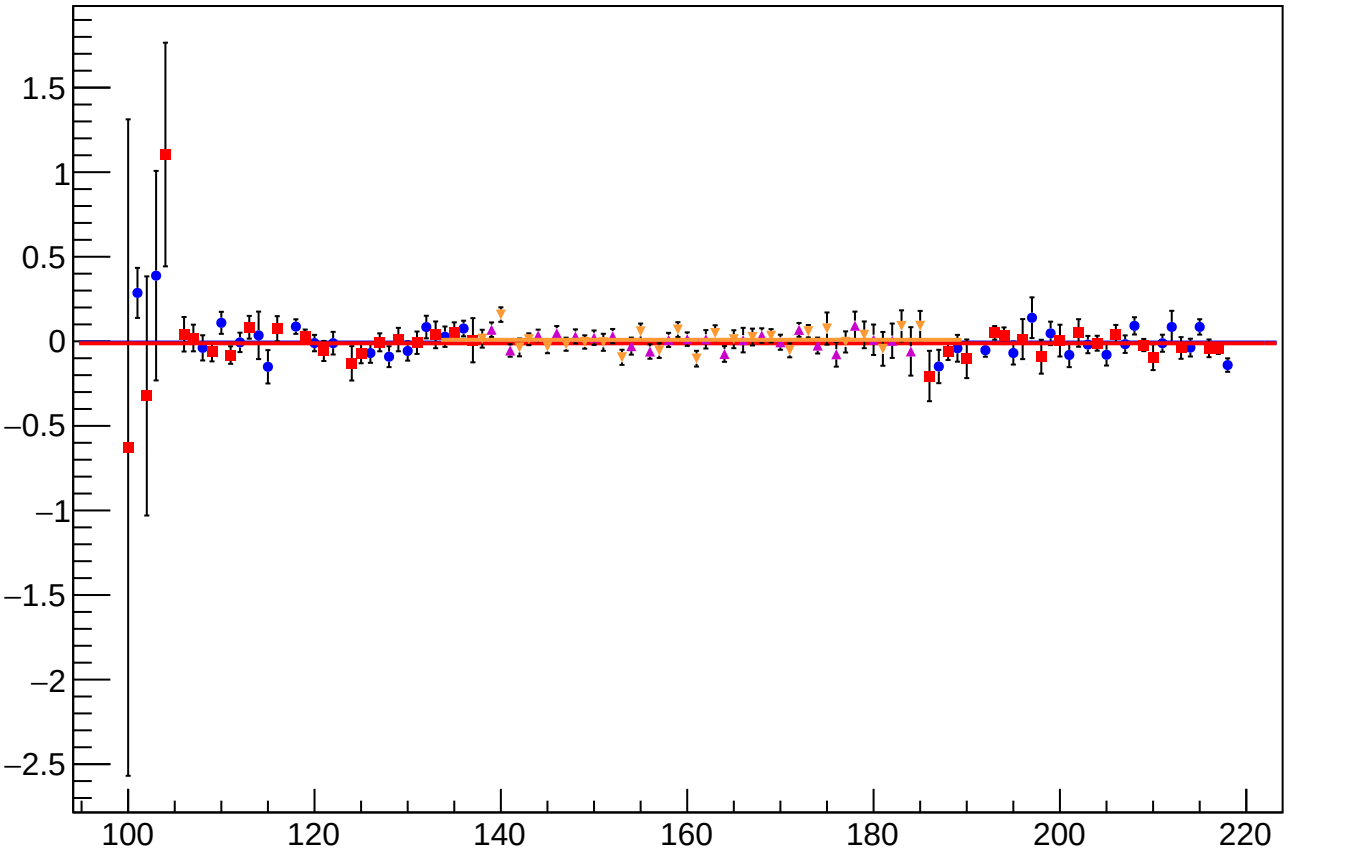
Right Out: 39.326+/-0.007 χ^2/NDF: 4716253.1/34

Left In: 38.630+/-0.007 χ^2/NDF:1727699.0/22

\+ sign 39.763+/-0.005 χ^2/NDF: 5329571.0/56

All: 39.366+/-0.004 χ^2/NDF: 11790840.9/114

\- sign 38.961+/-0.005 χ^2/NDF: 6448647.3/57



Right In: -0.007+/-0.011 χ^2/NDF: 53.1/31

Left Out: 0.009+/-0.010 χ^2/NDF:38.6/24

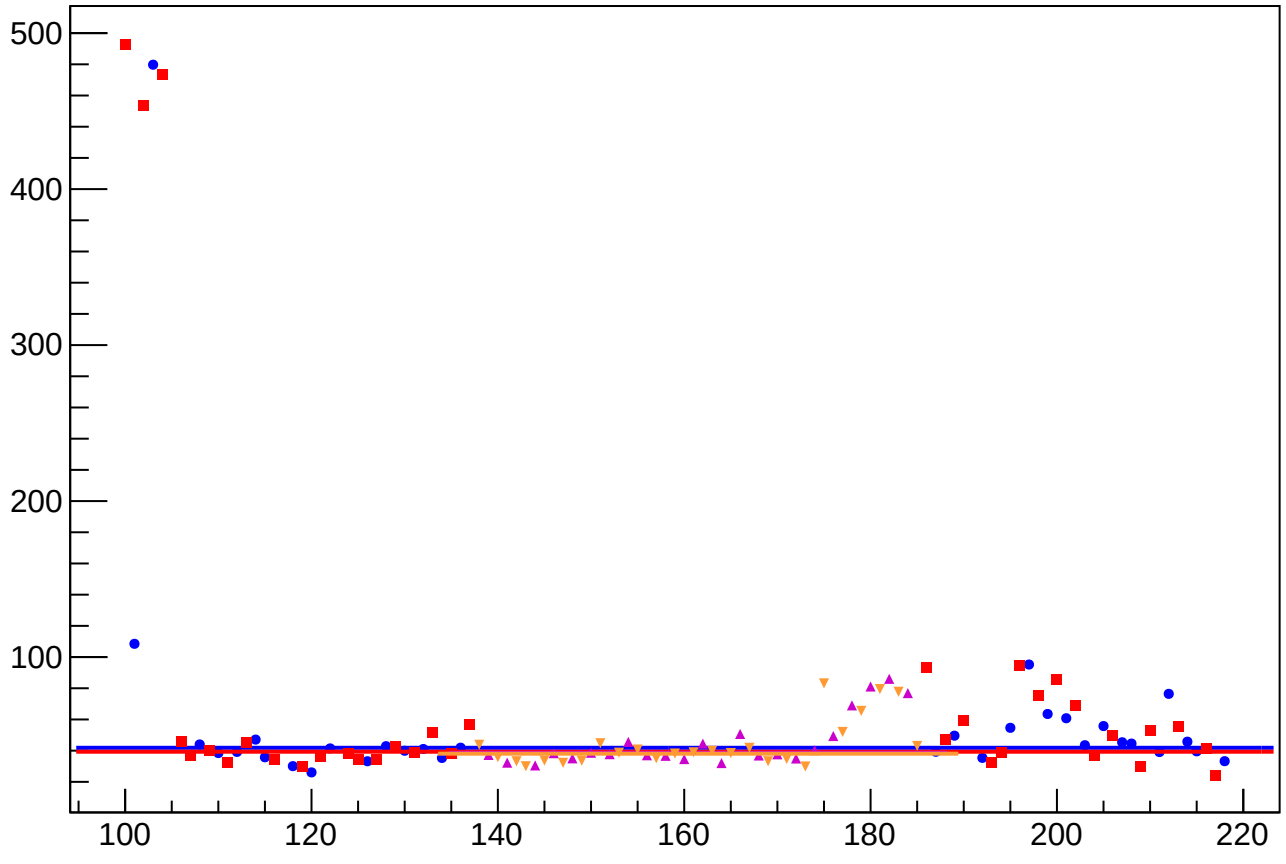
Right Out: -0.012+/-0.010 χ^2/NDF: 26.3/34

Left In: 0.008+/-0.010 χ^2/NDF:18.9/22

+ sign 0.002+/-0.007 χ^2/NDF: 92.9/56

All: 0.000+/-0.005 χ^2/NDF: 140.1/114

- sign -0.001+/-0.007 χ^2/NDF: 47.0/57



Right In: 41.842+/-0.007 χ^2/NDF: 3222654.5/31

Left Out: 38.067+/-0.007 χ^2/NDF:1967110.9/24

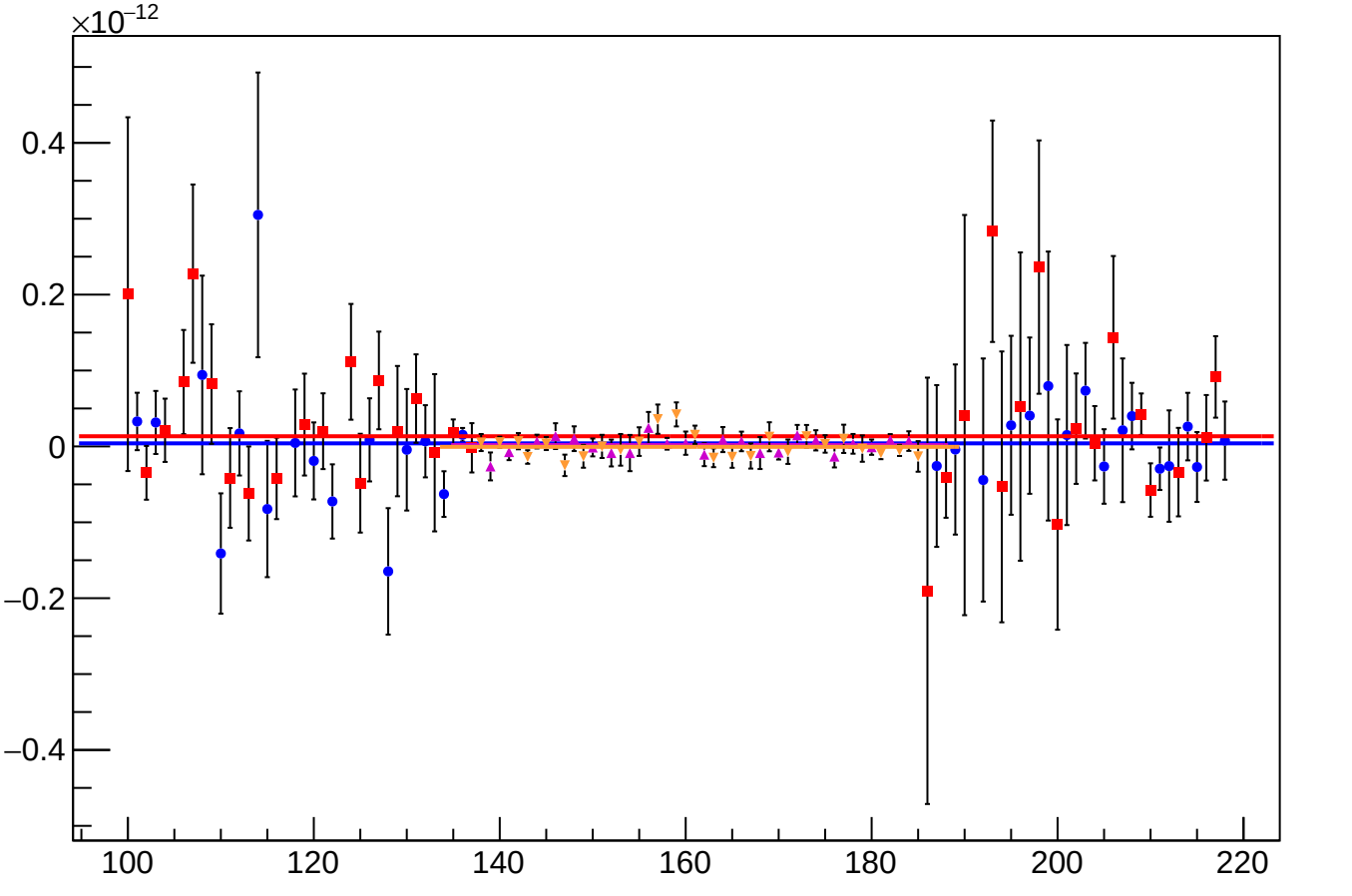
Right Out: 39.326+/-0.007 χ^2/NDF: 4716253.1/34

Left In: 38.630+/-0.007 χ^2/NDF:1727699.0/22

\+ sign 39.763+/-0.005 χ^2/NDF: 5329571.0/56

All: 39.366+/-0.004 χ^2/NDF: 11790840.9/114

\- sign 38.961+/-0.005 χ^2/NDF: 6448647.3/57



Right In: 0.000+/-0.000 χ^2/NDF: 26.8/31

Left Out: -0.000+/-0.000 χ^2/NDF:26.9/24

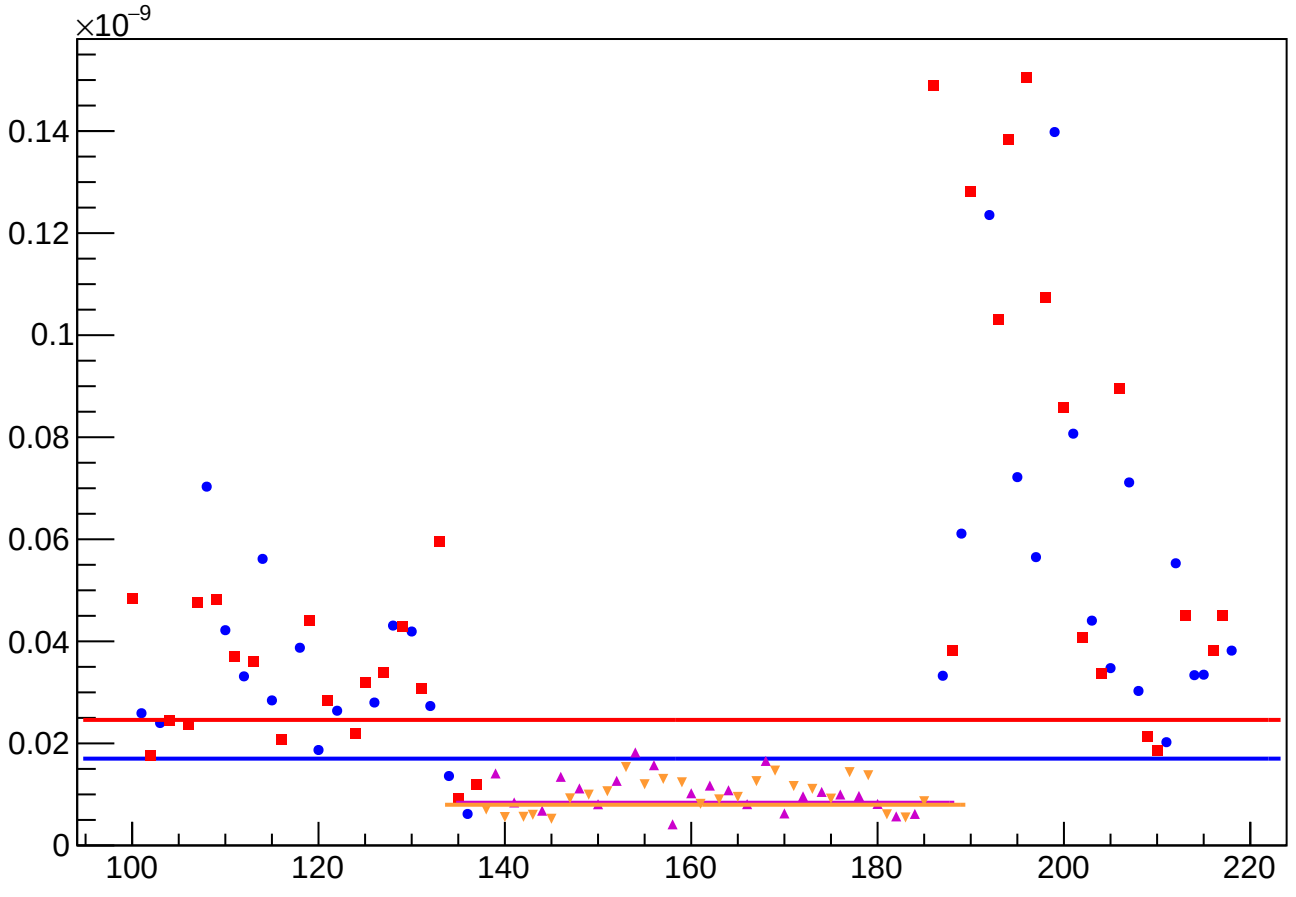
Right Out: 0.000+/-0.000 χ^2/NDF: 33.2/34

Left In: 0.000+/-0.000 χ^2/NDF:11.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 54.2/56

All: 0.000+/-0.000 χ^2/NDF: 101.2/114

- sign 0.000+/-0.000 χ^2/NDF: 46.4/57



Right In: 0.000+/-0.000 χ^2/NDF: 11154040.0/31

Left Out: 0.000+/-0.000 χ^2/NDF:2831909.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8577758.3/34

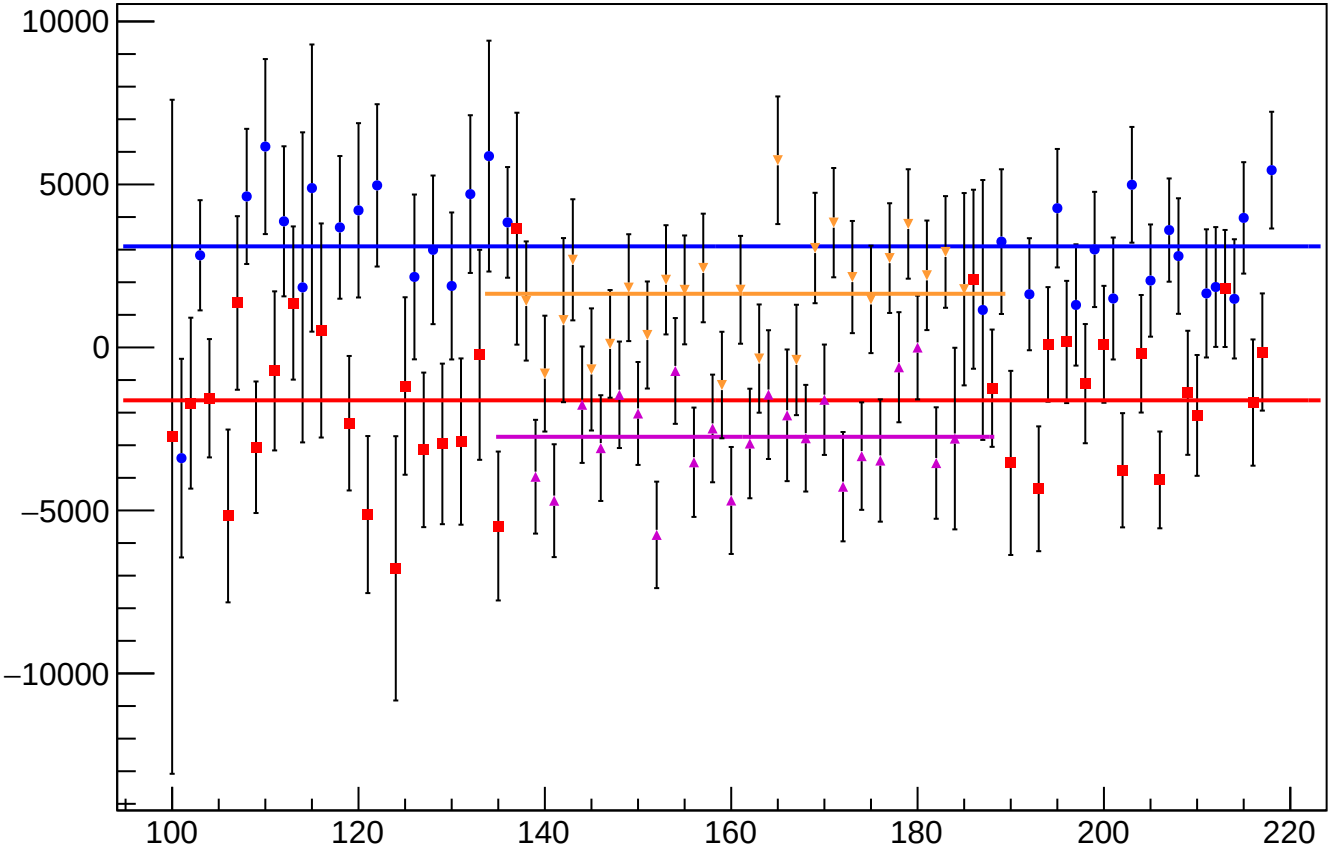
Left In: 0.000+/-0.000 χ^2/NDF:2786396.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 17180921.4/56

All: 0.000+/-0.000 χ^2/NDF: 35079991.5/114

- sign 0.000+/-0.000 χ^2/NDF: 17814124.1/57

reg_asym_usr_atr2_avg_mean vs Slug



Right In: 3100.803+/-366.386 χ^2/NDF: 17.7/31

Left Out: 1646.402+/-349.758 χ^2/NDF:21.0/24

Right Out: -1622.313+/-365.257 χ^2/NDF: 32.3/34

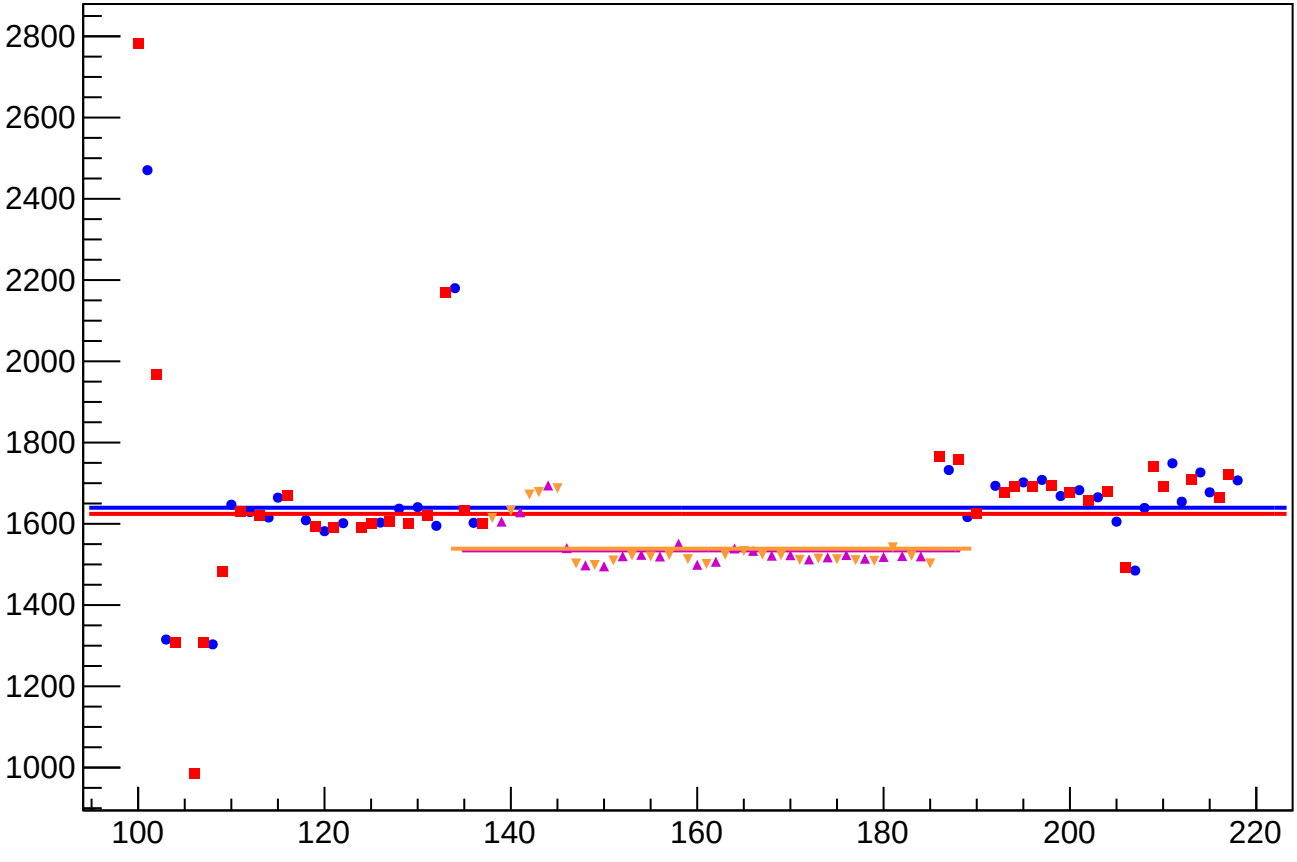
Left In: -2740.924+/-358.458 χ^2/NDF:16.4/22

+ sign 2339.852+/-252.991 χ^2/NDF: 46.9/56

All: 99.223+/-179.890 χ^2/NDF: 259.1/114

- sign -2192.126+/-255.838 χ^2/NDF: 53.5/57

reg_asym_usr_atr2_avg_rms vs Slug



Right In: 1639.573+/-0.259 χ^2/NDF: 370550.1/31

Left Out: 1538.810+/-0.247 χ^2/NDF:47056.2/24

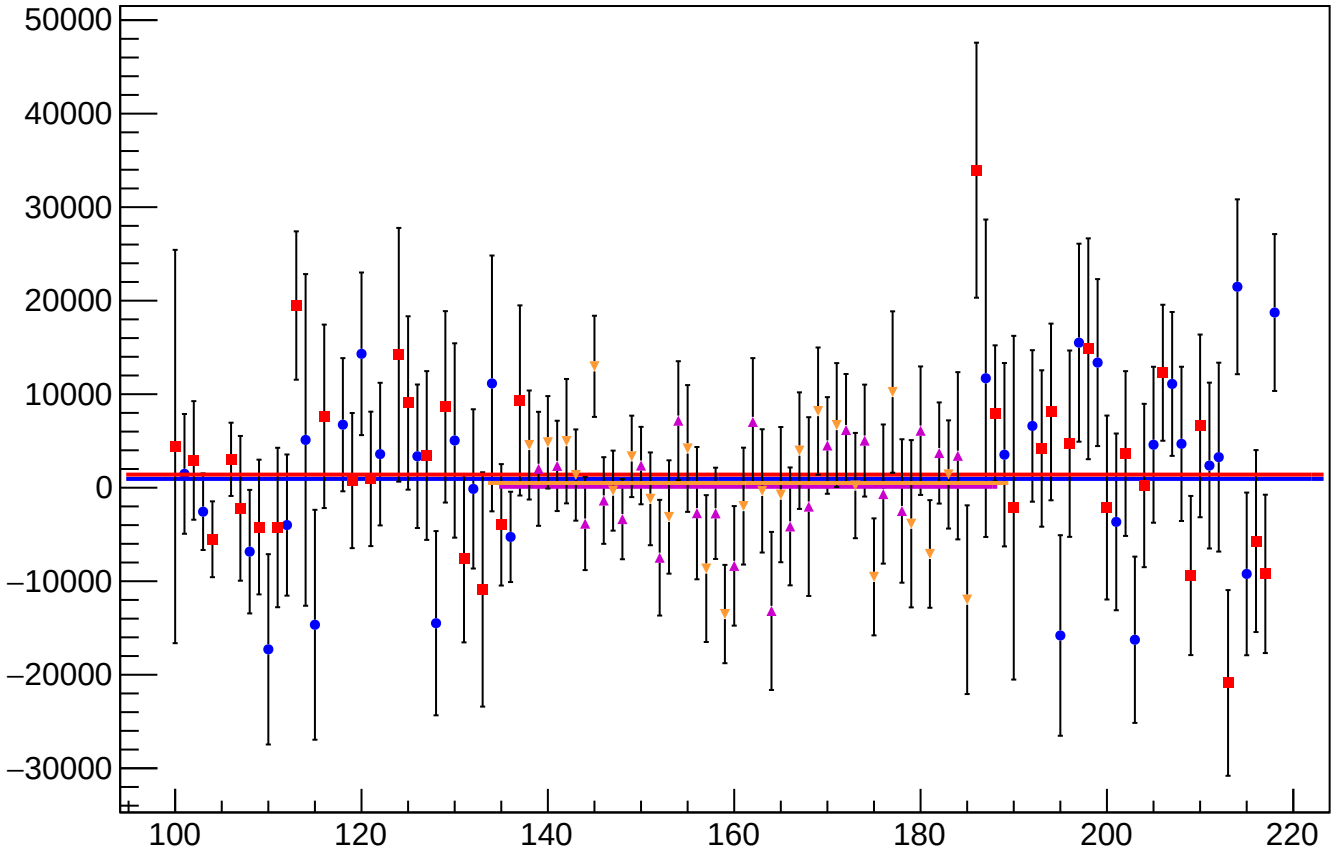
Right Out: 1624.448+/-0.257 χ^2/NDF: 481653.9/34

Left In: 1534.615+/-0.253 χ^2/NDF:31120.6/22

+ sign 1586.853+/-0.179 χ^2/NDF: 496752.3/56

All: 1582.949+/-0.127 χ^2/NDF: 1072524.6/11

- sign 1578.982+/-0.180 χ^2/NDF: 574812.1/57



Right In: 940.353+/-1438.526 χ^2/NDF: 39.6/31

Left Out: 503.846+/-1187.304 χ^2/NDF:26.8/24

Right Out: 1401.112+/-1356.967 χ^2/NDF: 35.5/34

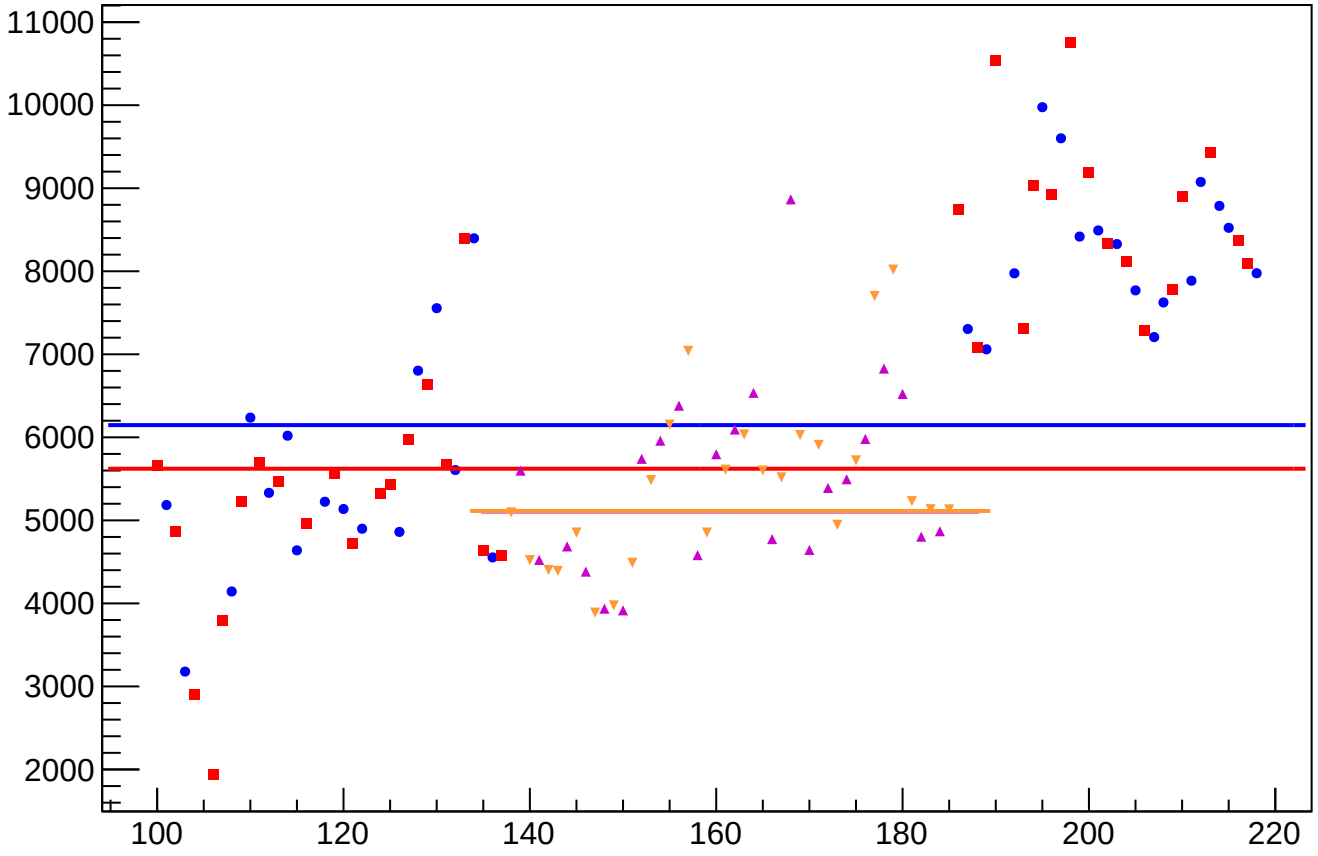
Left In: 97.910+/-1217.585 χ^2/NDF:14.9/22

+ sign 680.716+/-915.692 χ^2/NDF: 66.5/56

All: 679.932+/-644.127 χ^2/NDF: 117.4/114

- sign 679.164+/-906.247 χ^2/NDF: 50.9/57

asym_usr_atr2_avg_reg_correction_rms vs Slug



Right In: 6147.076+/-1.017 χ^2/NDF: 3626685.7/31

Left Out: 5112.954+/-0.840 χ^2/NDF:1159010.4/24

Right Out: 5621.902+/-0.960 χ^2/NDF: 6012026.0/34

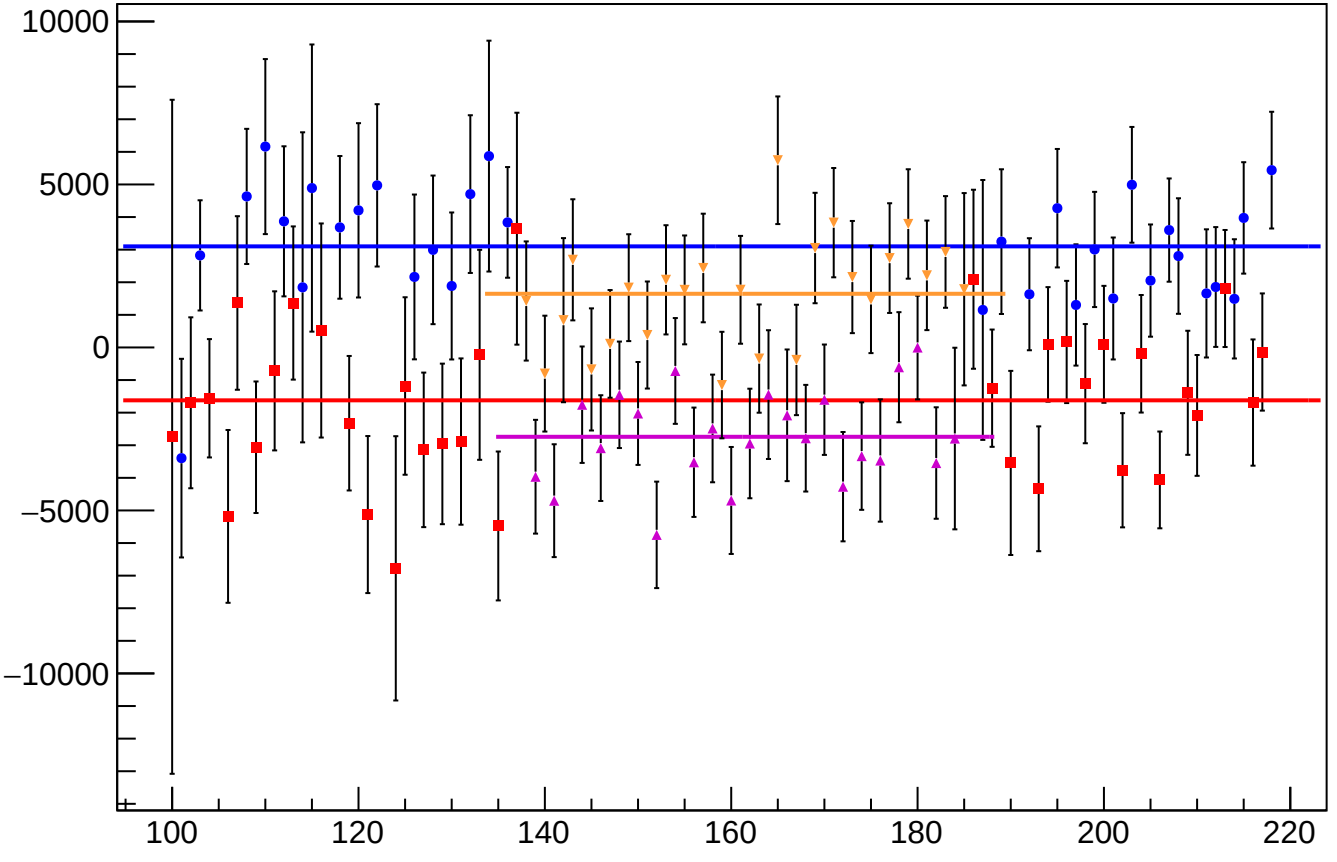
Left In: 5106.386+/-0.861 χ^2/NDF:1251622.3/22

+ sign 5531.974+/-0.647 χ^2/NDF: 5400467.0/56

All: 5433.131+/-0.455 χ^2/NDF: 12870152.3/1

- sign 5336.316+/-0.641 χ^2/NDF: 7423556.1/57

cor_asym_usr_atr2_avg_mean vs Slug



Right In: 3100.703+/-366.386 χ^2/NDF: 17.7/31

Left Out: 1646.294+/-349.758 χ^2/NDF:21.0/24

Right Out: -1622.340+/-365.258 χ^2/NDF: 32.3/34

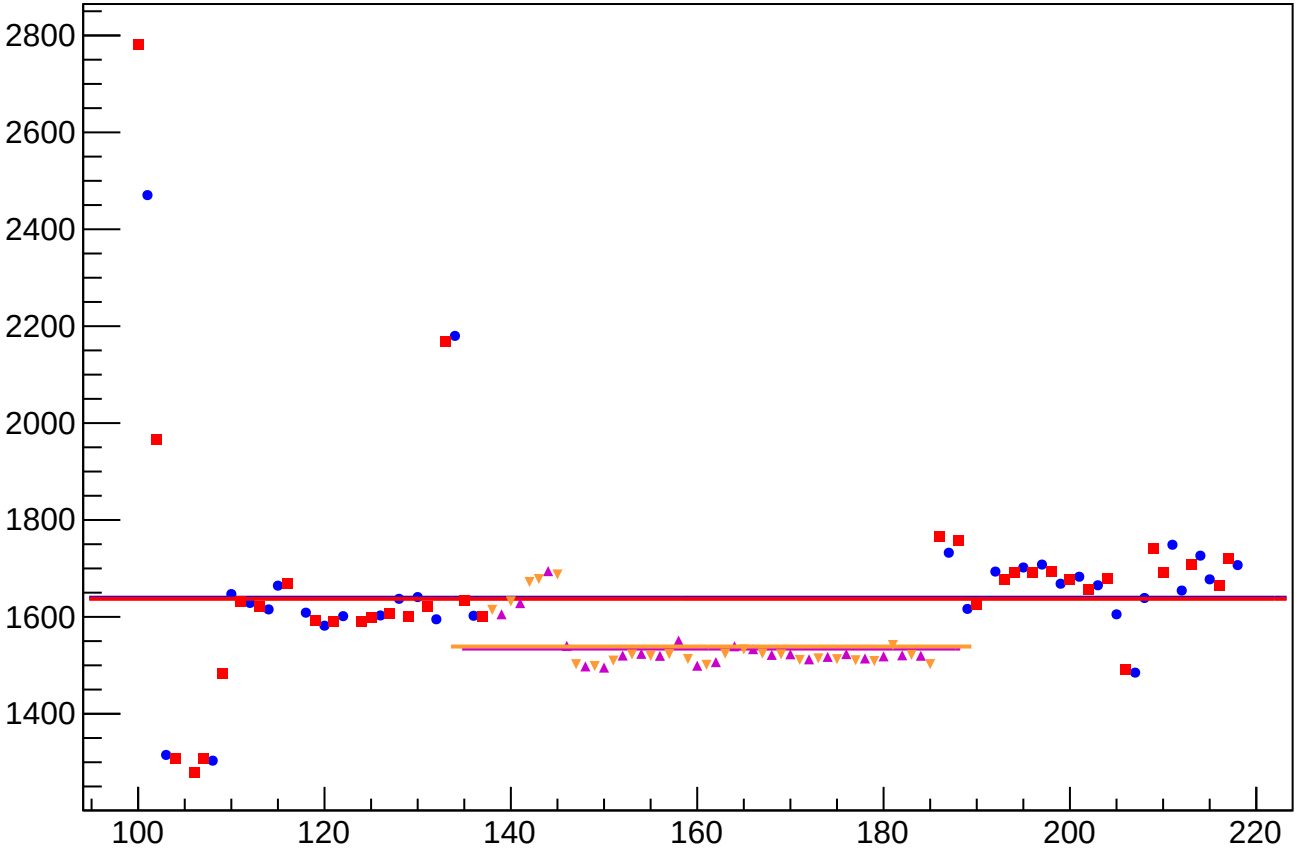
Left In: -2740.826+/-358.458 χ^2/NDF:16.4/22

+ sign 2339.748+/-252.991 χ^2/NDF: 46.9/56

All: 99.190+/-179.890 χ^2/NDF: 259.1/114

- sign -2192.090+/-255.838 χ^2/NDF: 53.5/57

cor_asym_usr_atr2_avg_rms vs Slug



Right In: 1639.573+/-0.259 χ^2/NDF: 370549.1/31

Left Out: 1538.810+/-0.247 χ^2/NDF:47056.2/24

Right Out: 1637.325+/-0.258 χ^2/NDF: 322131.9/34

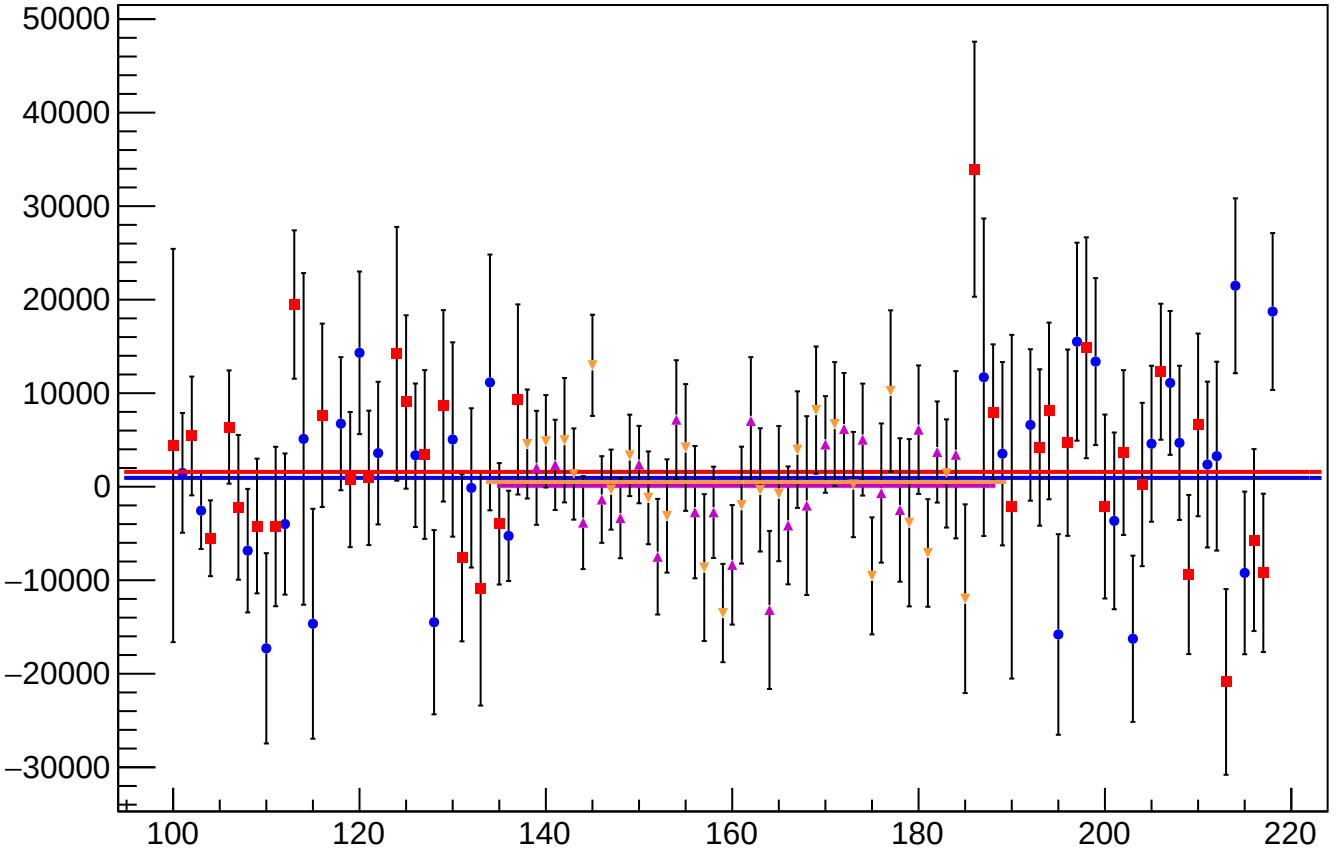
Left In: 1534.615+/-0.253 χ^2/NDF:31120.6/22

+ sign 1586.853+/-0.179 χ^2/NDF: 496751.5/56

All: 1585.978+/-0.127 χ^2/NDF: 930737.3/114

- sign 1585.083+/-0.181 χ^2/NDF: 433937.4/57

asym_usr_atr2_avg_cor_correction_mean vs Slug



Right In: 940.318+/-1438.544 χ^2/NDF: 39.6/31

Left Out: 503.849+/-1187.302 χ^2/NDF:26.8/24

Right Out: 1582.063+/-1407.102 χ^2/NDF: 36.3/34

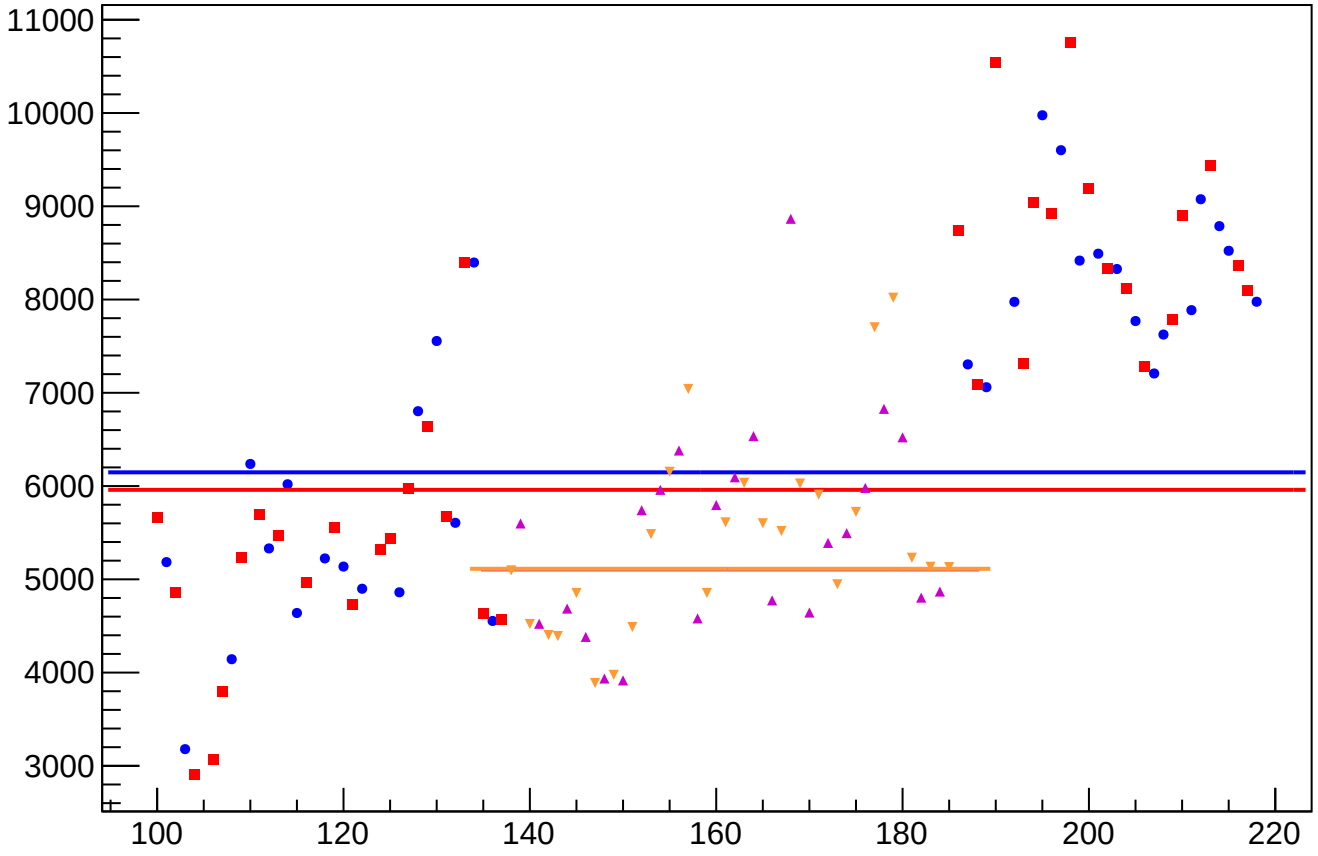
Left In: 97.930+/-1217.585 χ^2/NDF:14.9/22

+ sign 680.701+/-915.696 χ^2/NDF: 66.5/56

All: 706.901+/-649.268 χ^2/NDF: 118.3/114

- sign 733.389+/-920.732 χ^2/NDF: 51.8/57

asym_usr_atr2_avg_cor_correction_rms vs Slug



Right In: 6147.191+/-1.017 χ^2/NDF: 3626231.6/31

Left Out: 5112.947+/-0.840 χ^2/NDF:1159023.2/24

Right Out: 5959.473+/-0.995 χ^2/NDF: 4484126.3/34

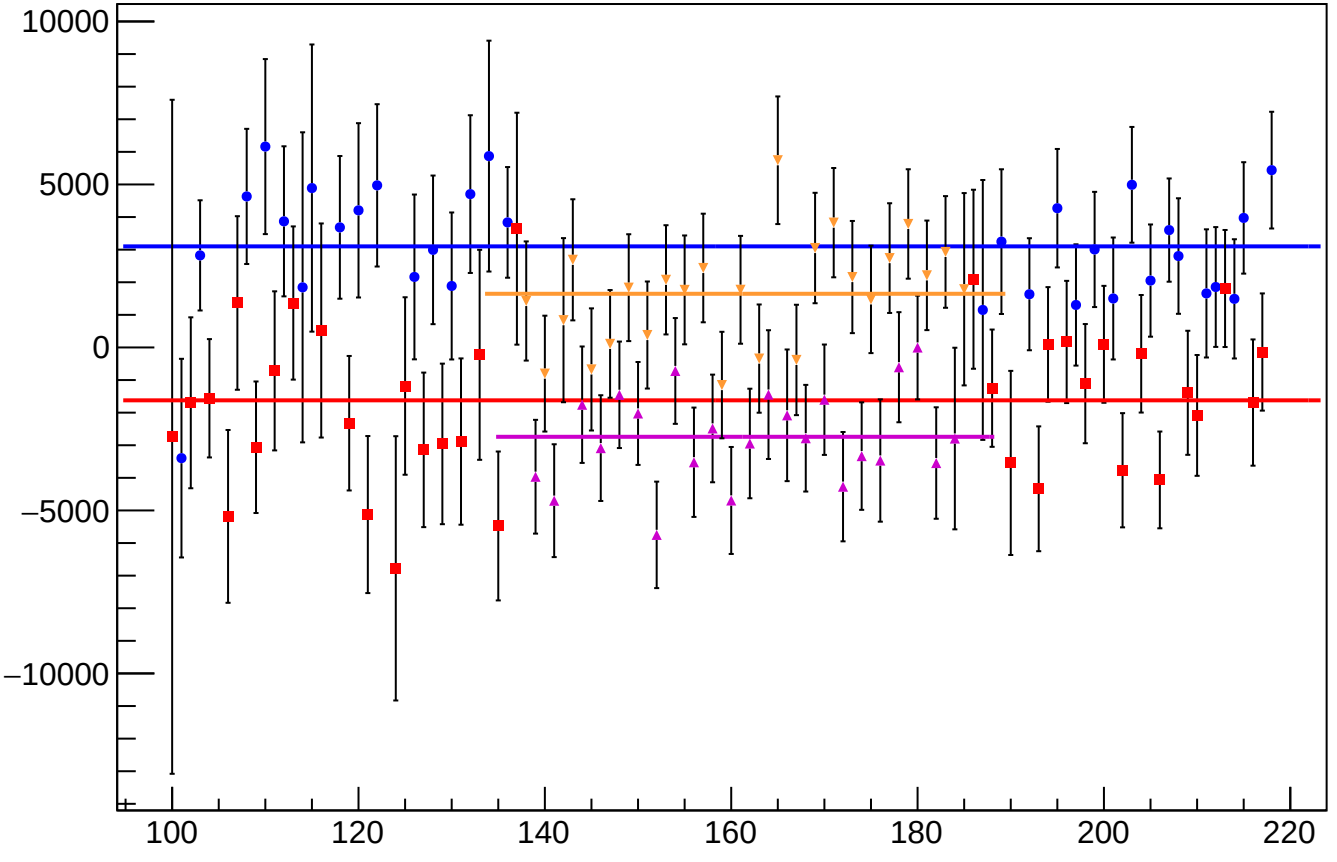
Left In: 5106.384+/-0.861 χ^2/NDF:1251622.9/22

+ sign 5532.010+/-0.647 χ^2/NDF: 5400162.5/56

All: 5501.995+/-0.459 χ^2/NDF: 11560606.6/1

- sign 5471.650+/-0.651 χ^2/NDF: 6156122.9/57

eigen_cor_asym_usr_atr2_avg_mean vs Slug



Right In: 3100.703+/-366.386 χ^2/NDF: 17.7/31

Left Out: 1646.294+/-349.758 χ^2/NDF:21.0/24

Right Out: -1622.340+/-365.258 χ^2/NDF: 32.3/34

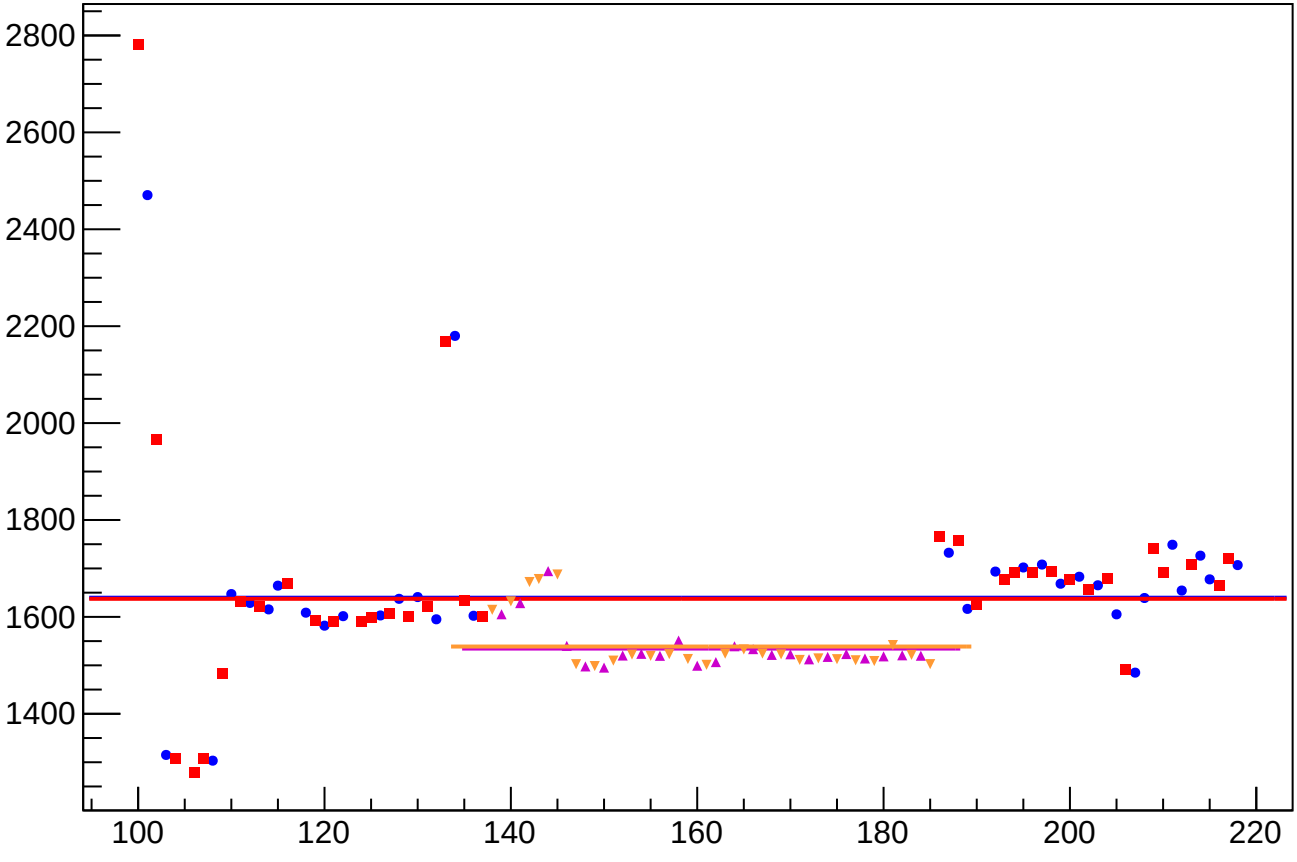
Left In: -2740.826+/-358.458 χ^2/NDF:16.4/22

+ sign 2339.748+/-252.991 χ^2/NDF: 46.9/56

All: 99.190+/-179.890 χ^2/NDF: 259.1/114

- sign -2192.090+/-255.838 χ^2/NDF: 53.5/57

eigen_cor_asym_usr_atr2_avg_rms vs Slug



Right In: 1639.573+/-0.259 χ^2/NDF: 370549.1/31

Left Out: 1538.810+/-0.247 χ^2/NDF:47056.2/24

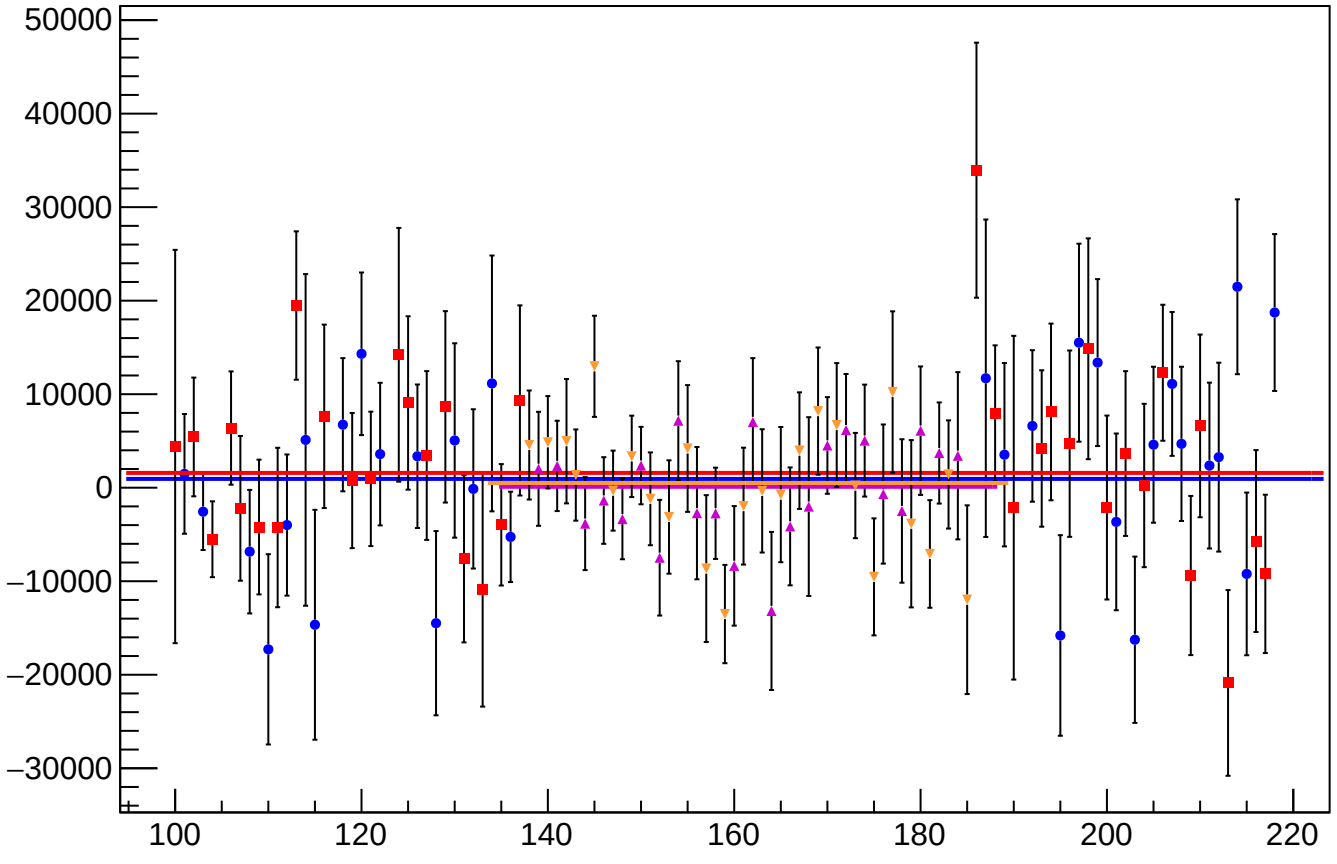
Right Out: 1637.325+/-0.258 χ^2/NDF: 322131.9/34

Left In: 1534.615+/-0.253 χ^2/NDF:31120.6/22

+ sign 1586.853+/-0.179 χ^2/NDF: 496751.5/56

All: 1585.978+/-0.127 χ^2/NDF: 930737.3/114

- sign 1585.083+/-0.181 χ^2/NDF: 433937.4/57



Right In: 940.318+/-1438.544 χ^2/NDF: 39.6/31

Left Out: 503.849+/-1187.302 χ^2/NDF:26.8/24

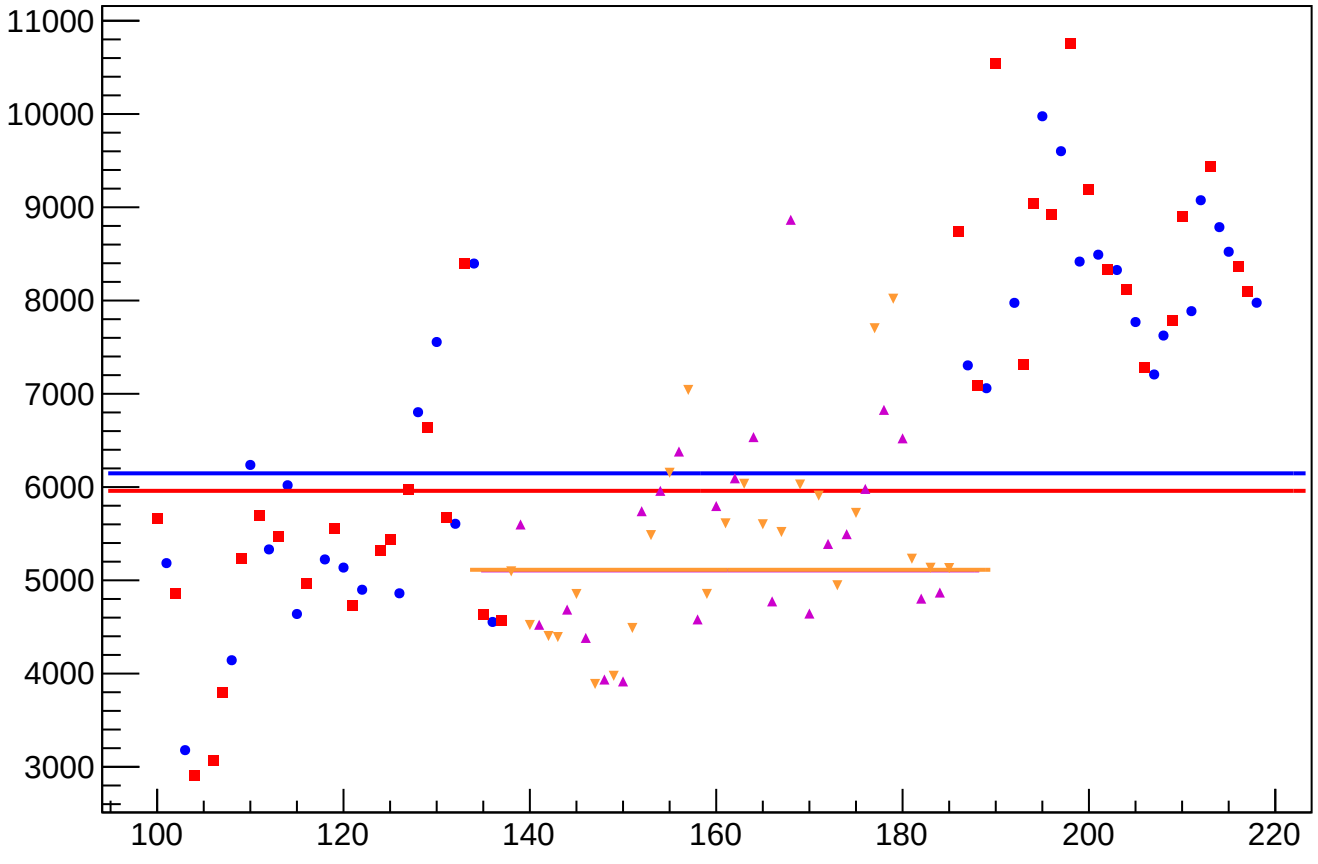
Right Out: 1582.063+/-1407.102 χ^2/NDF: 36.3/34

Left In: 97.930+/-1217.585 χ^2/NDF:14.9/22

+ sign 680.701+/-915.696 χ^2/NDF: 66.5/56

All: 706.901+/-649.268 χ^2/NDF: 118.3/114

- sign 733.389+/-920.732 χ^2/NDF: 51.8/57



Right In: 6147.191+/-1.017 χ^2/NDF: 3626231.6/31

Left Out: 5112.947+/-0.840 χ^2/NDF:1159023.2/24

Right Out: 5959.473+/-0.995 χ^2/NDF: 4484126.3/34

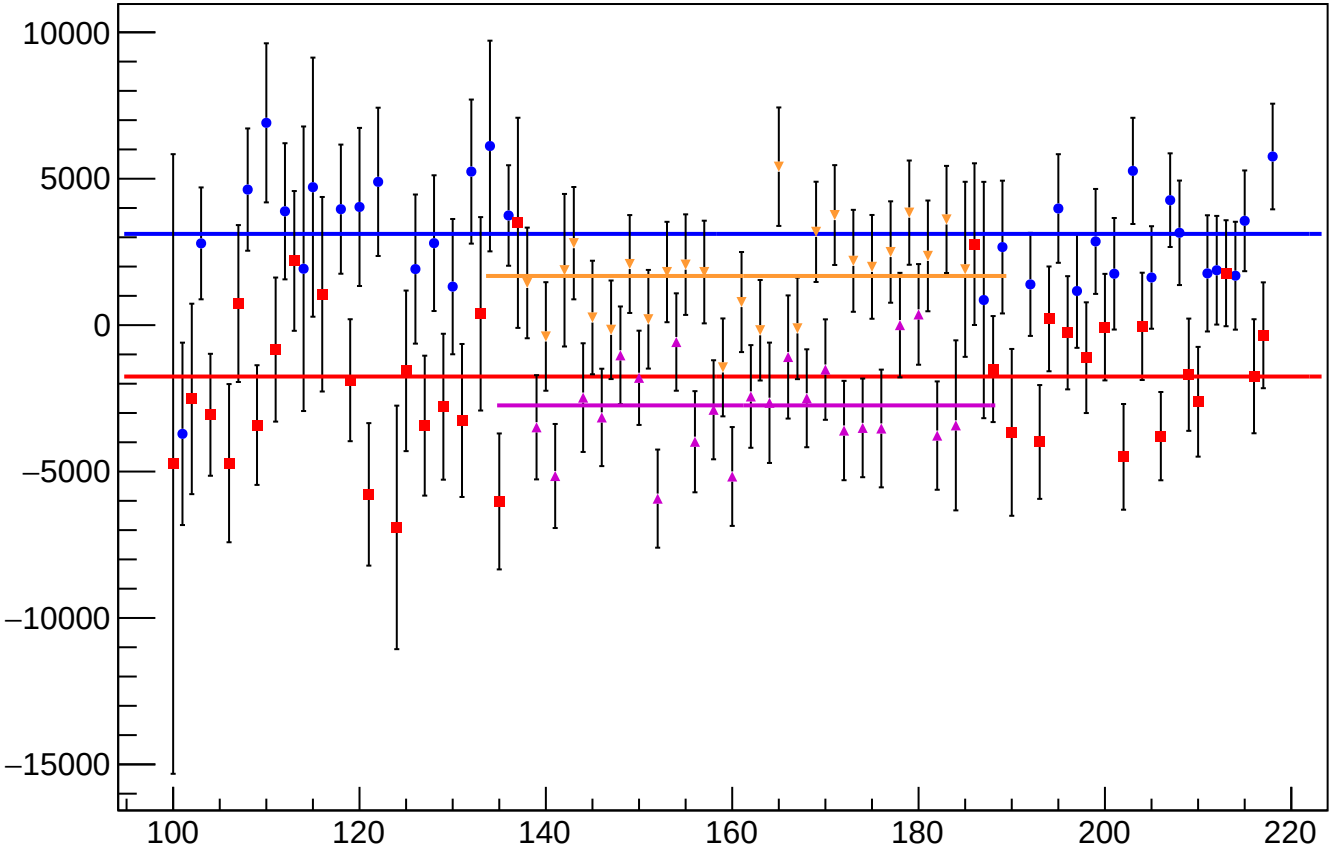
Left In: 5106.384+/-0.861 χ^2/NDF:1251622.9/22

+ sign 5532.010+/-0.647 χ^2/NDF: 5400162.5/56

All: 5501.995+/-0.459 χ^2/NDF: 11560606.6/1

- sign 5471.650+/-0.651 χ^2/NDF: 6156122.9/57

dit_asym_usr_atr2_avg_mean vs Slug



Right In: 3115.985+/-373.428 χ^2/NDF: 20.2/31

Left Out: 1679.163+/-362.391 χ^2/NDF:19.0/24

Right Out: -1754.955+/-373.379 χ^2/NDF: 34.9/34

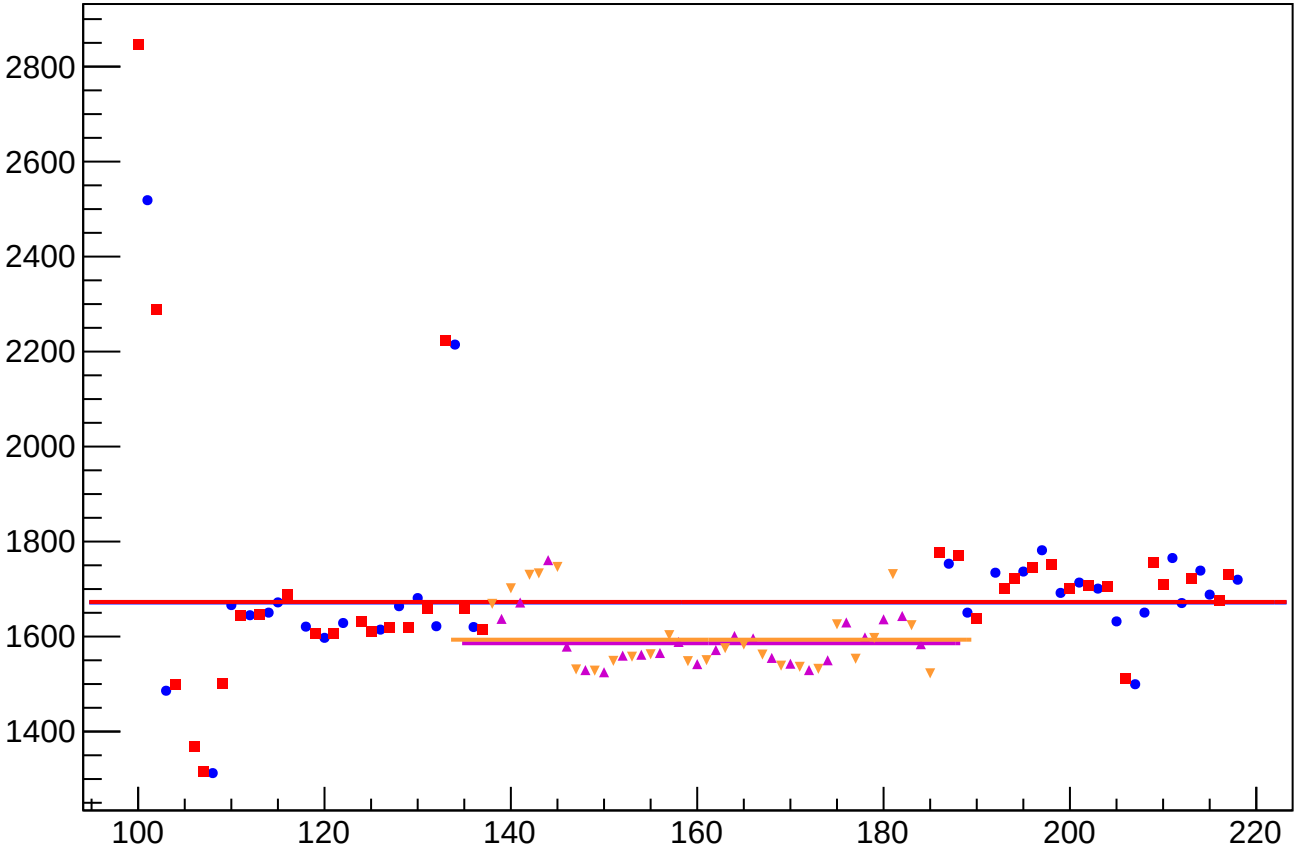
Left In: -2740.666+/-370.604 χ^2/NDF:19.2/22

+ sign 2376.029+/-260.063 χ^2/NDF: 46.8/56

All: 88.533+/-184.933 χ^2/NDF: 261.0/114

- sign -2251.487+/-263.032 χ^2/NDF: 57.6/57

dit_asym_usr_atr2_avg_rms vs Slug



Right In: 1671.741+/-0.264 χ^2/NDF: 326160.5/31

Left Out: 1593.388+/-0.256 χ^2/NDF:71876.4/24

Right Out: 1672.887+/-0.264 χ^2/NDF: 298989.6/34

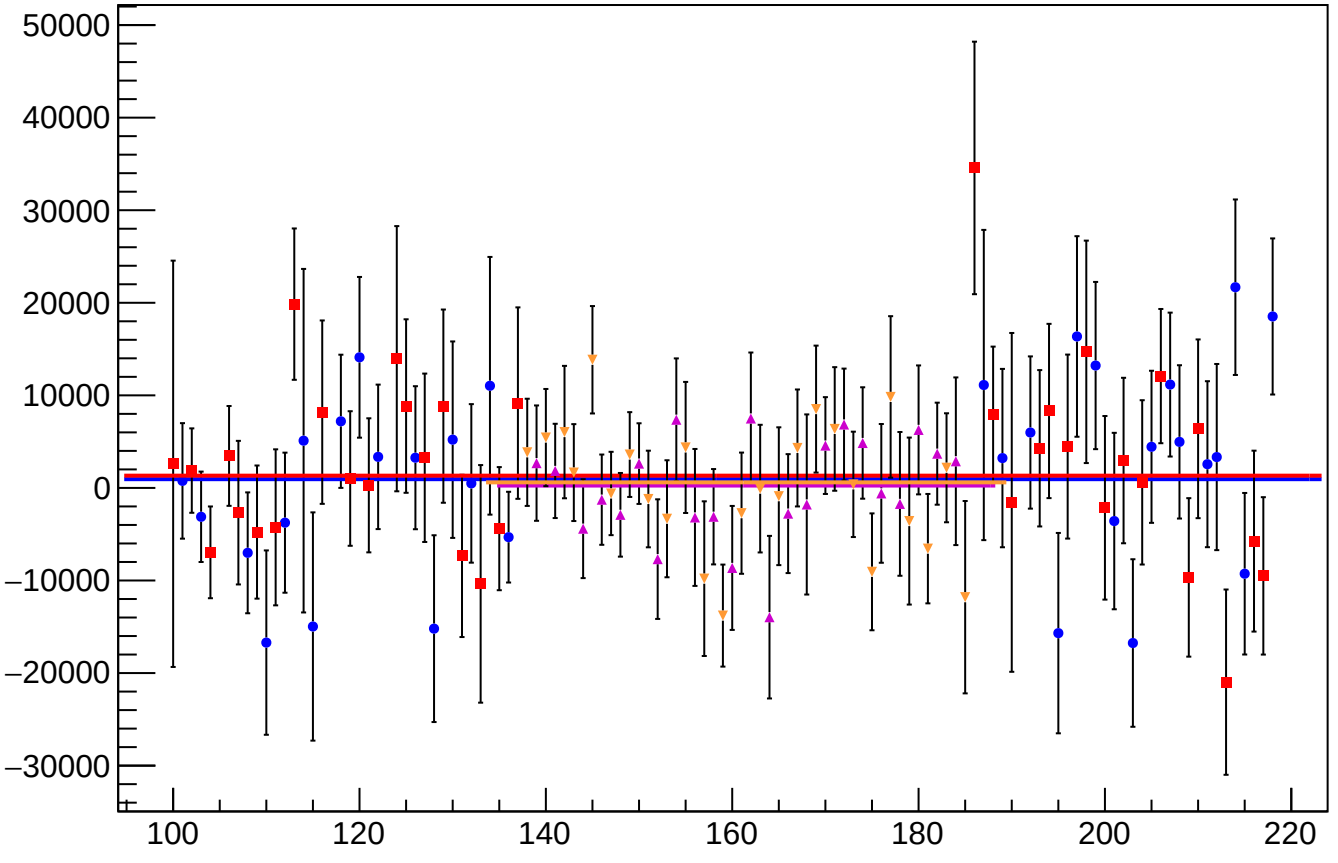
Left In: 1585.918+/-0.262 χ^2/NDF:41915.3/22

+ sign 1631.389+/-0.184 χ^2/NDF: 443382.1/56

All: 1630.254+/-0.131 χ^2/NDF: 839040.7/114

- sign 1629.093+/-0.186 χ^2/NDF: 395581.5/57

asym_usr_atr2_avg_dit_correction_mean vs Slug



Right In: 945.511+/-1472.338 χ^2/NDF: 39.4/31

Left Out: 601.820+/-1233.559 χ^2/NDF:26.0/24

Right Out: 1324.421+/-1400.944 χ^2/NDF: 35.3/34

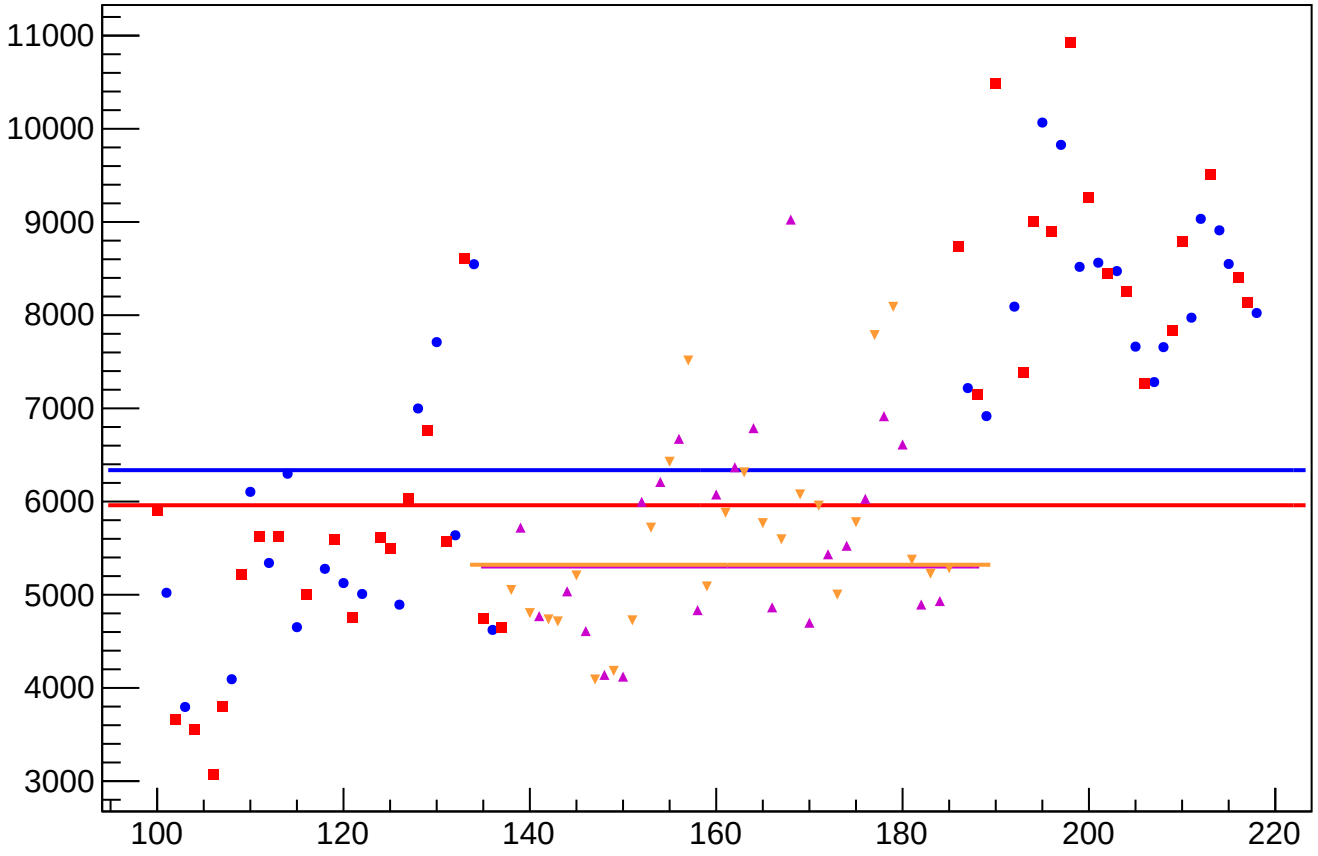
Left In: 255.905+/-1262.607 χ^2/NDF:14.6/22

+ sign 743.571+/-945.555 χ^2/NDF: 65.4/56

All: 739.158+/-665.887 χ^2/NDF: 115.7/114

- sign 734.817+/-937.903 χ^2/NDF: 50.3/57

asym_usr_atr2_avg_dit_correction_rms vs Slug



Right In: 6336.913+/-1.041 χ^2/NDF: 3085643.7/31

Left Out: 5321.956+/-0.872 χ^2/NDF:1037009.2/24

Right Out: 5960.344+/-0.991 χ^2/NDF: 4410106.9/34

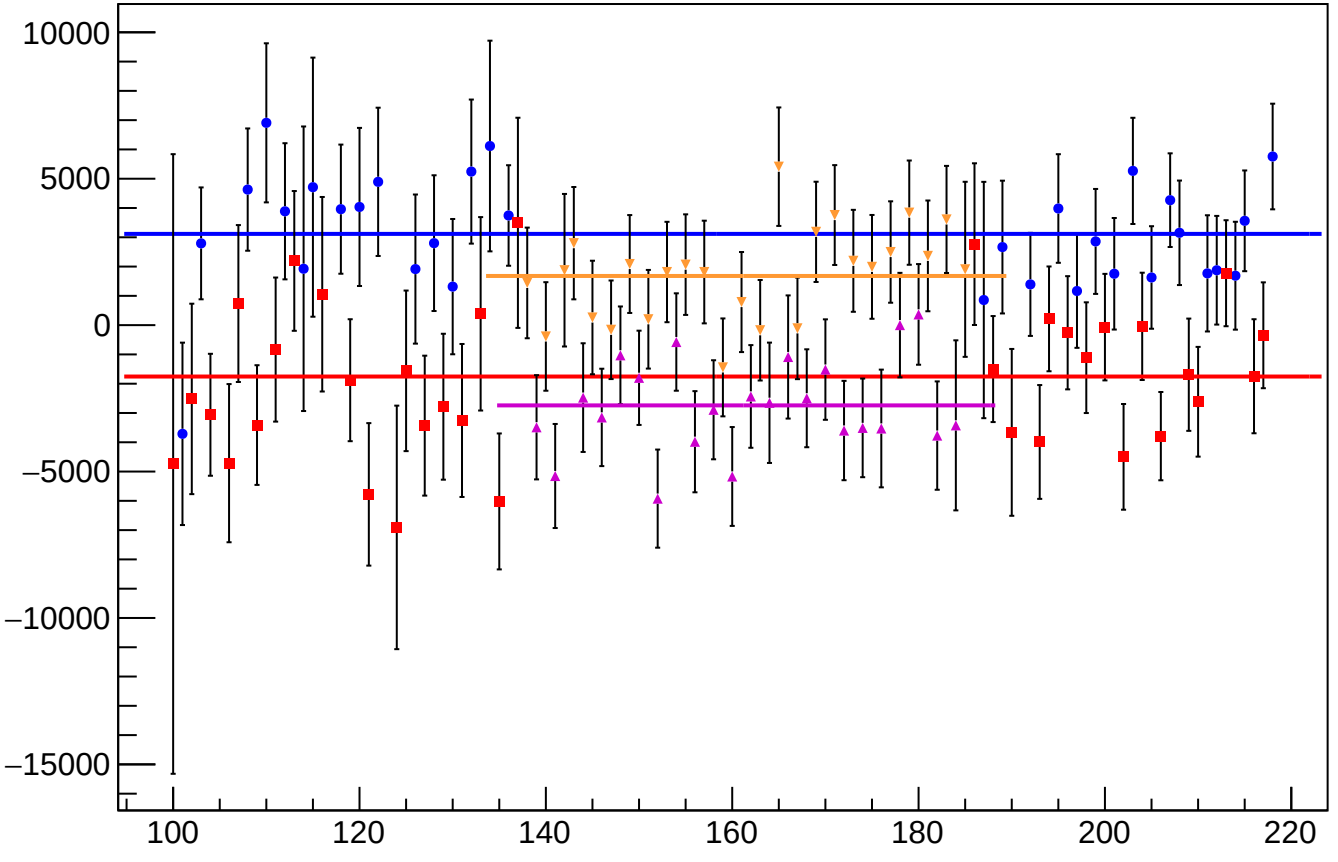
Left In: 5302.849+/-0.893 χ^2/NDF:1152376.1/22

+ sign 5740.563+/-0.669 χ^2/NDF: 4681077.3/56

All: 5668.470+/-0.471 χ^2/NDF: 10509706.8/1

- sign 5597.540+/-0.663 χ^2/NDF: 5805564.8/57

eigen_dit_asym_usr_atr2_avg_mean vs Slug



Right In: 3115.980+/-373.428 χ^2/NDF: 20.2/31

Left Out: 1679.156+/-362.392 χ^2/NDF:19.0/24

Right Out: -1754.959+/-373.379 χ^2/NDF: 34.9/34

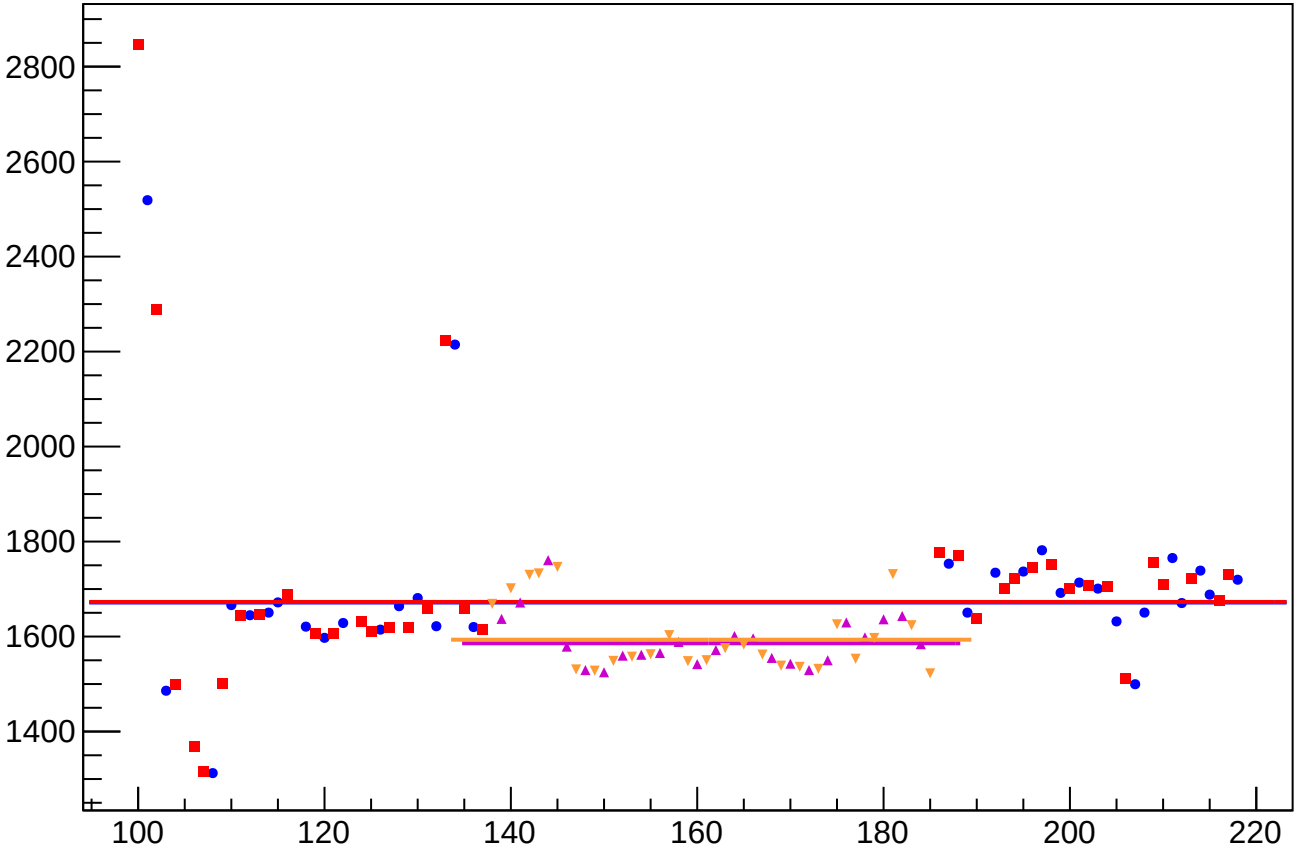
Left In: -2740.666+/-370.605 χ^2/NDF:19.2/22

+ sign 2376.023+/-260.064 χ^2/NDF: 46.8/56

All: 88.530+/-184.933 χ^2/NDF: 261.0/114

- sign -2251.488+/-263.032 χ^2/NDF: 57.6/57

eigen_dit_asym_usr_atr2_avg_rms vs Slug



Right In: 1671.740+/-0.264 χ^2/NDF: 326160.8/31

Left Out: 1593.388+/-0.256 χ^2/NDF:71876.3/24

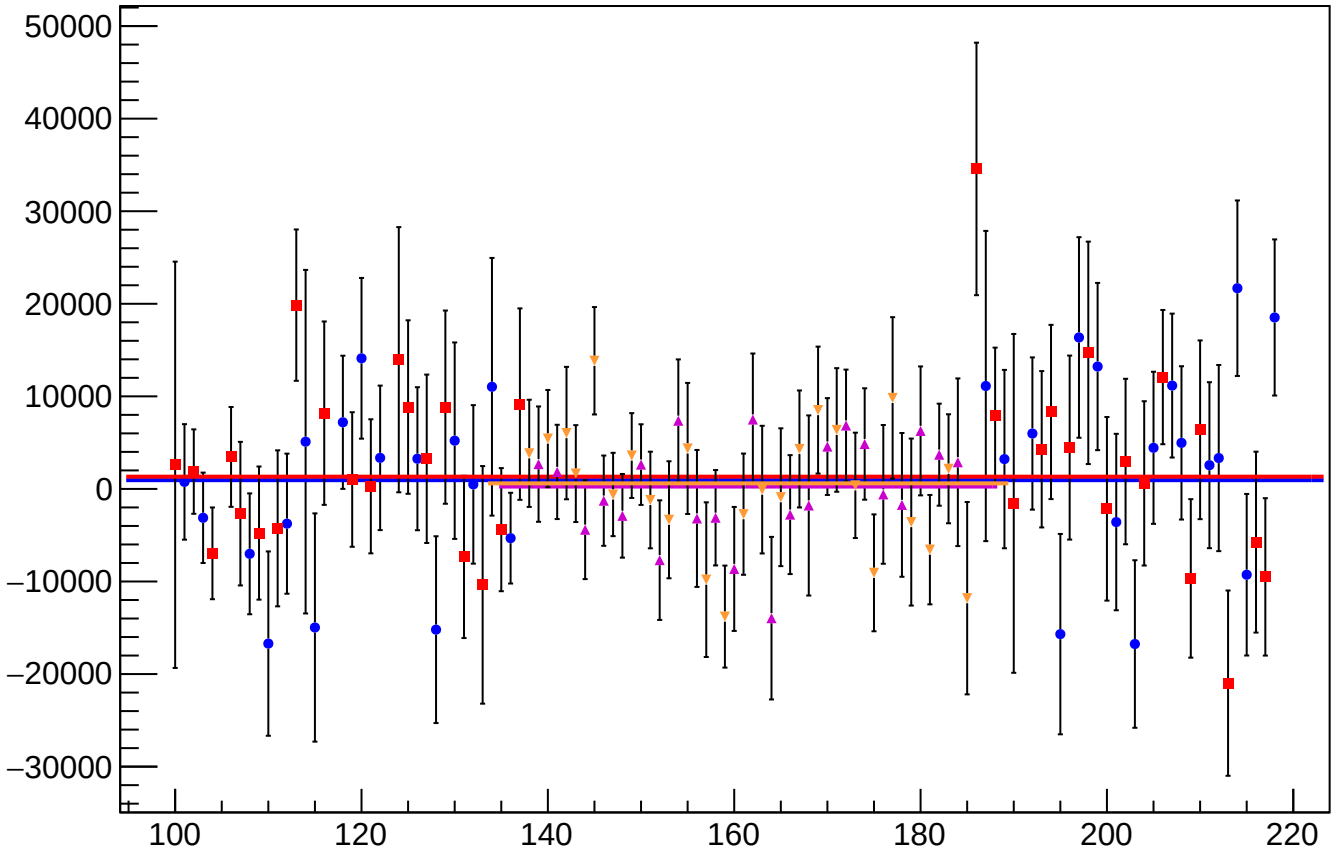
Right Out: 1672.887+/-0.264 χ^2/NDF: 298989.6/34

Left In: 1585.919+/-0.262 χ^2/NDF:41915.1/22

+ sign 1631.389+/-0.184 χ^2/NDF: 443381.0/56

All: 1630.254+/-0.131 χ^2/NDF: 839038.0/114

- sign 1629.093+/-0.186 χ^2/NDF: 395580.0/57



Right In: 945.515+/-1472.338 χ^2/NDF: 39.4/31

Left Out: 601.817+/-1233.561 χ^2/NDF:26.0/24

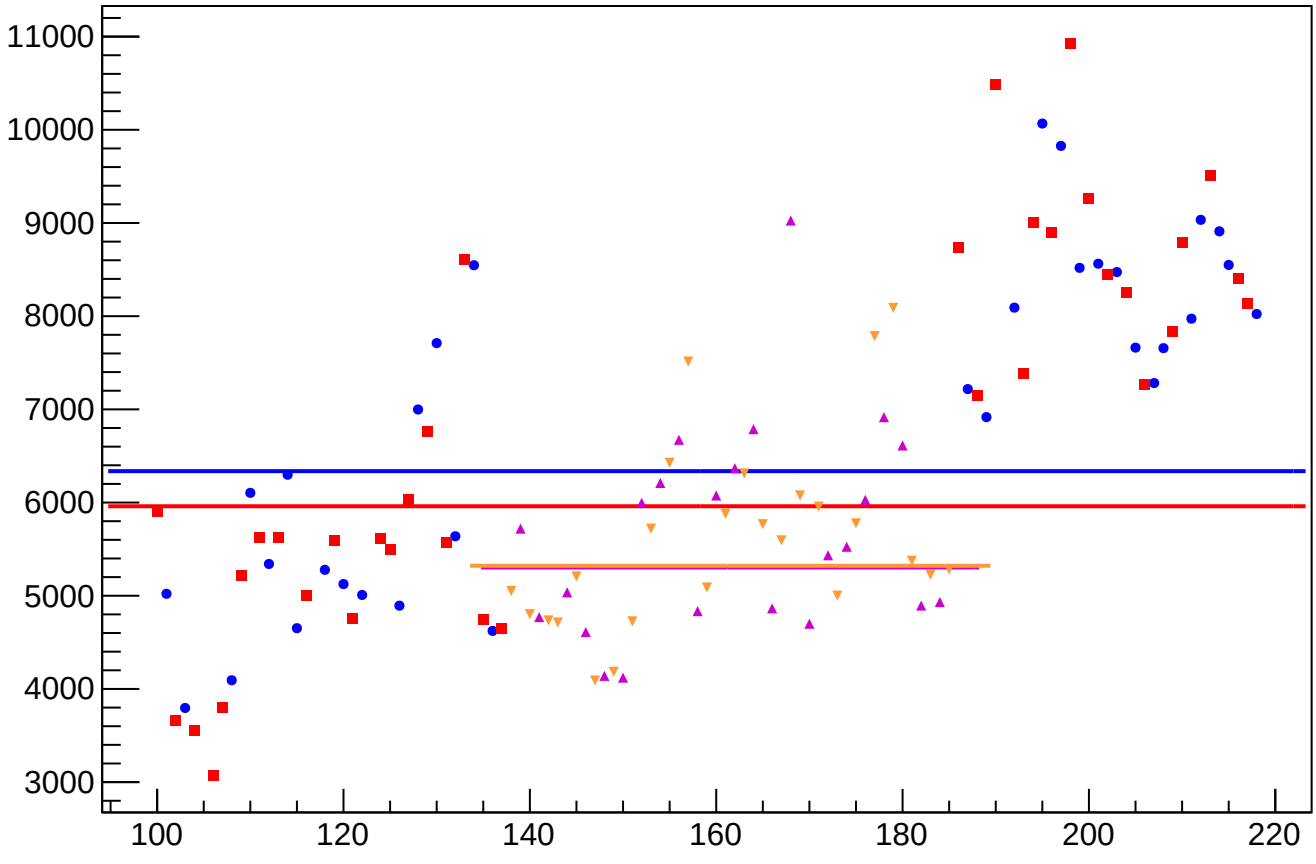
Right Out: 1324.418+/-1400.943 χ^2/NDF: 35.3/34

Left In: 255.907+/-1262.609 χ^2/NDF:14.6/22

\+ sign 743.571+/-945.556 χ^2/NDF: 65.4/56

All: 739.159+/-665.887 χ^2/NDF: 115.7/114

\- sign 734.818+/-937.904 χ^2/NDF: 50.3/57



Right In: 6336.910+/-1.041 χ^2/NDF: 3085662.1/31

Left Out: 5321.965+/-0.872 χ^2/NDF:1037011.4/24

Right Out: 5960.339+/-0.991 χ^2/NDF: 4410127.7/34

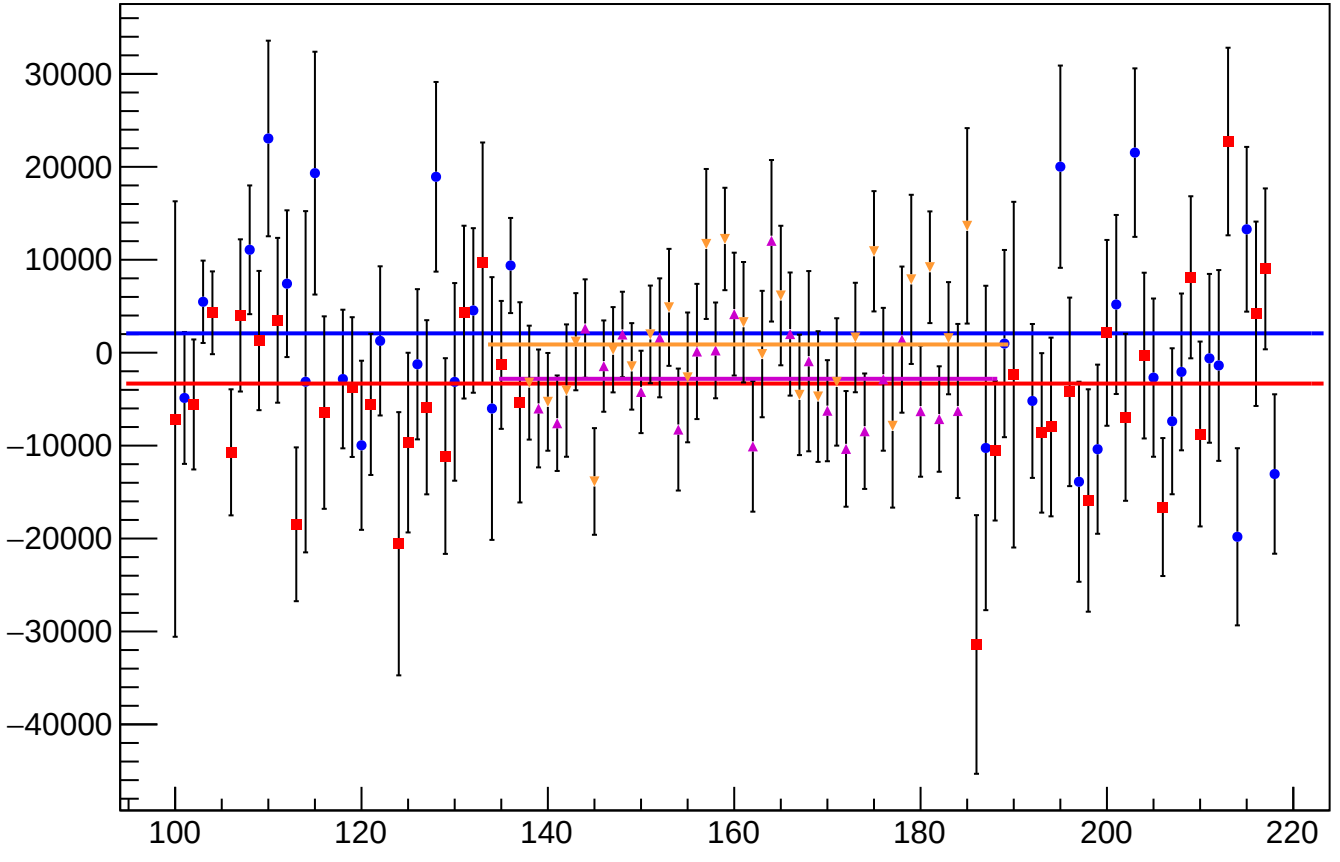
Left In: 5302.858+/-0.893 χ^2/NDF:1152380.1/22

+ sign 5740.568+/-0.669 χ^2/NDF: 4681083.0/56

All: 5668.474+/-0.471 χ^2/NDF: 10509727.2/1

- sign 5597.543+/-0.663 χ^2/NDF: 5805578.8/57

asym_usr_atr2_avg_mean vs Slug



Right In: 2079.938+/-1501.645 χ^2/NDF: 42.2/31

Left Out: 885.482+/-1246.500 χ^2/NDF:25.7/24

Right Out: -3323.656+/-1476.572 χ^2/NDF: 35.7/34

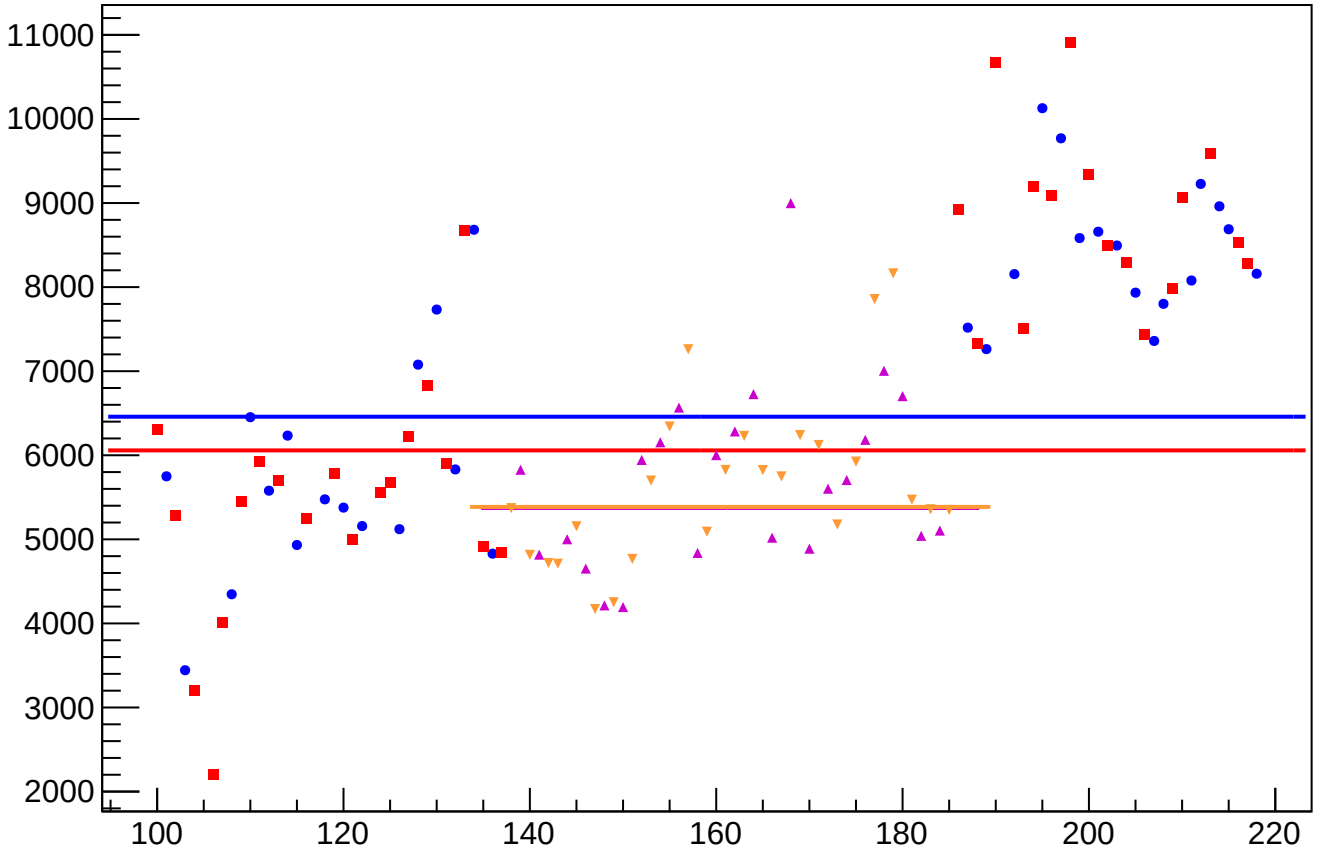
Left In: -2810.702+/-1277.225 χ^2/NDF:14.7/22

+ sign 1372.761+/-959.116 χ^2/NDF: 68.3/56

All: -813.030+/-680.613 χ^2/NDF: 129.2/114

- sign -3030.240+/-965.985 χ^2/NDF: 50.5/57

asym_usr_atr2_avg_rms vs Slug



Right In: 6458.546+/-1.062 χ^2/NDF: 3176133.7/31

Left Out: 5385.653+/-0.881 χ^2/NDF:987089.3/24

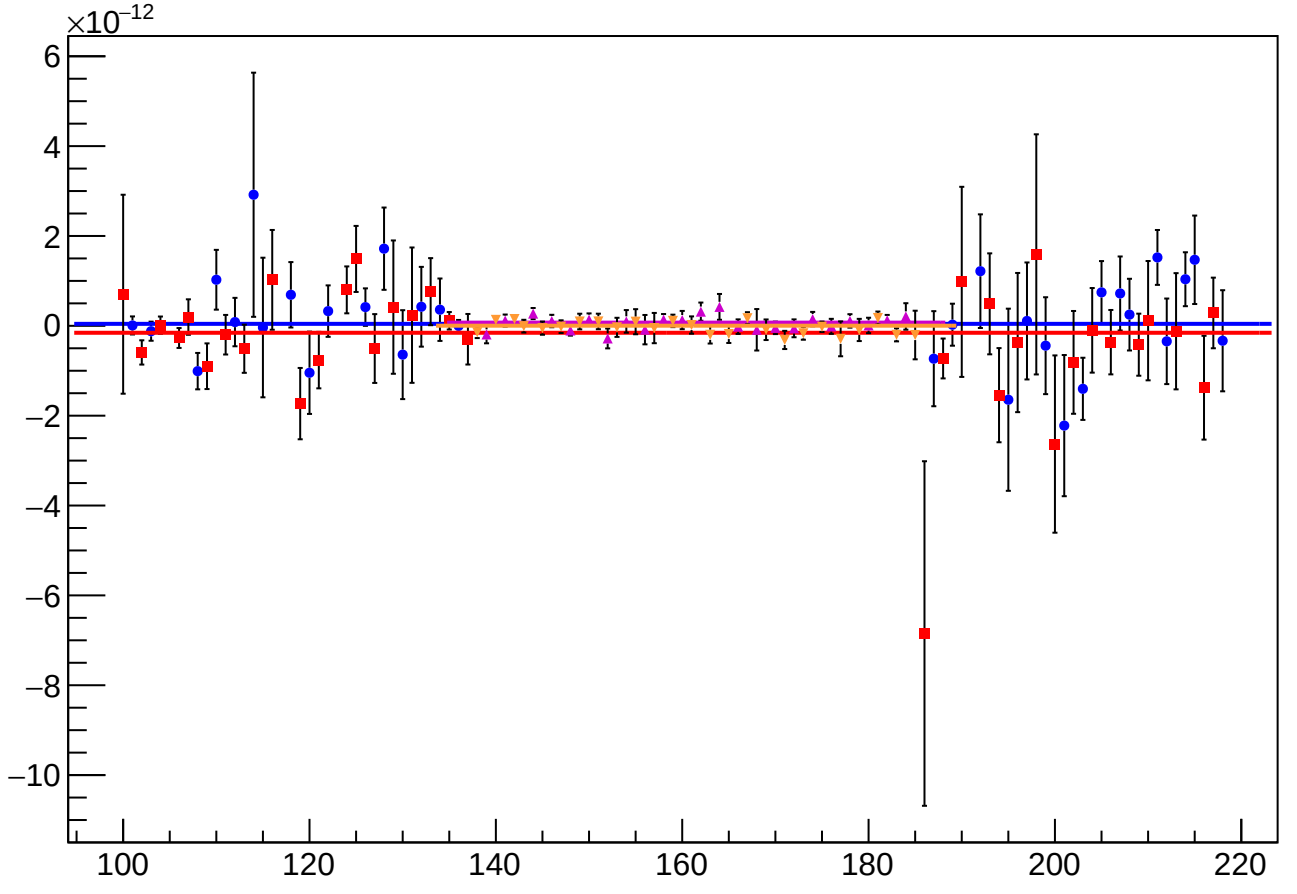
Right Out: 6057.862+/-1.019 χ^2/NDF: 4932217.9/34

Left In: 5372.867+/-0.903 χ^2/NDF:1071821.2/22

+ sign 5823.340+/-0.678 χ^2/NDF: 4767680.3/56

All: 5748.534+/-0.479 χ^2/NDF: 11049067.5/1

- sign 5674.241+/-0.676 χ^2/NDF: 6257137.7/57



Right In: 0.000+/-0.000 χ^2/NDF: 39.7/31

Left Out: 0.000+/-0.000 χ^2/NDF:18.3/24

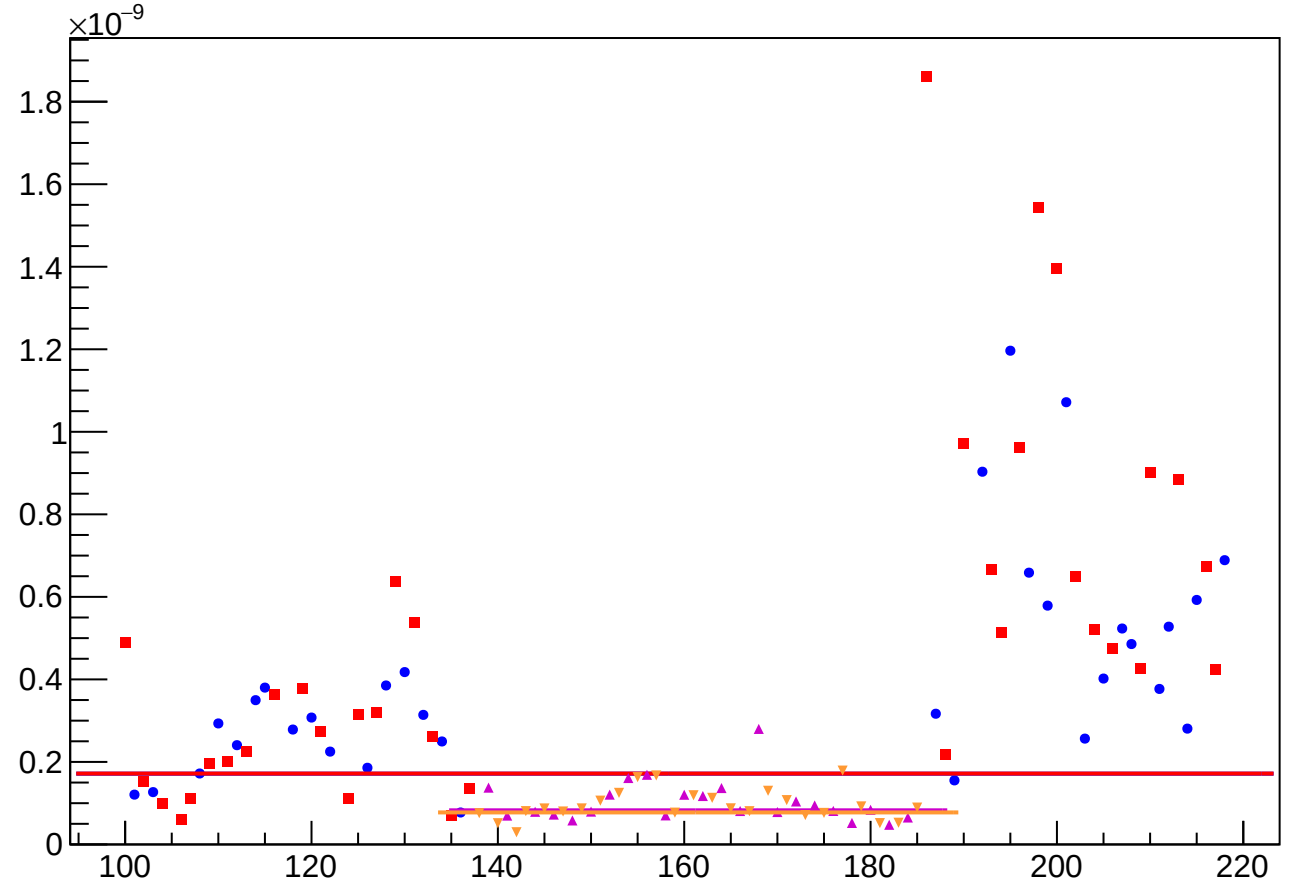
Right Out: -0.000+/-0.000 χ^2/NDF: 36.6/34

Left In: 0.000+/-0.000 χ^2/NDF:15.9/22

\+ sign 0.000+/-0.000 χ^2/NDF: 58.3/56

All: 0.000+/-0.000 χ^2/NDF: 117.4/114

\- sign 0.000+/-0.000 χ^2/NDF: 58.6/57



Right In: 0.000+/-0.000 χ^2/NDF: 6513578.0/31

Left Out: 0.000+/-0.000 χ^2/NDF:1642881.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8387558.9/34

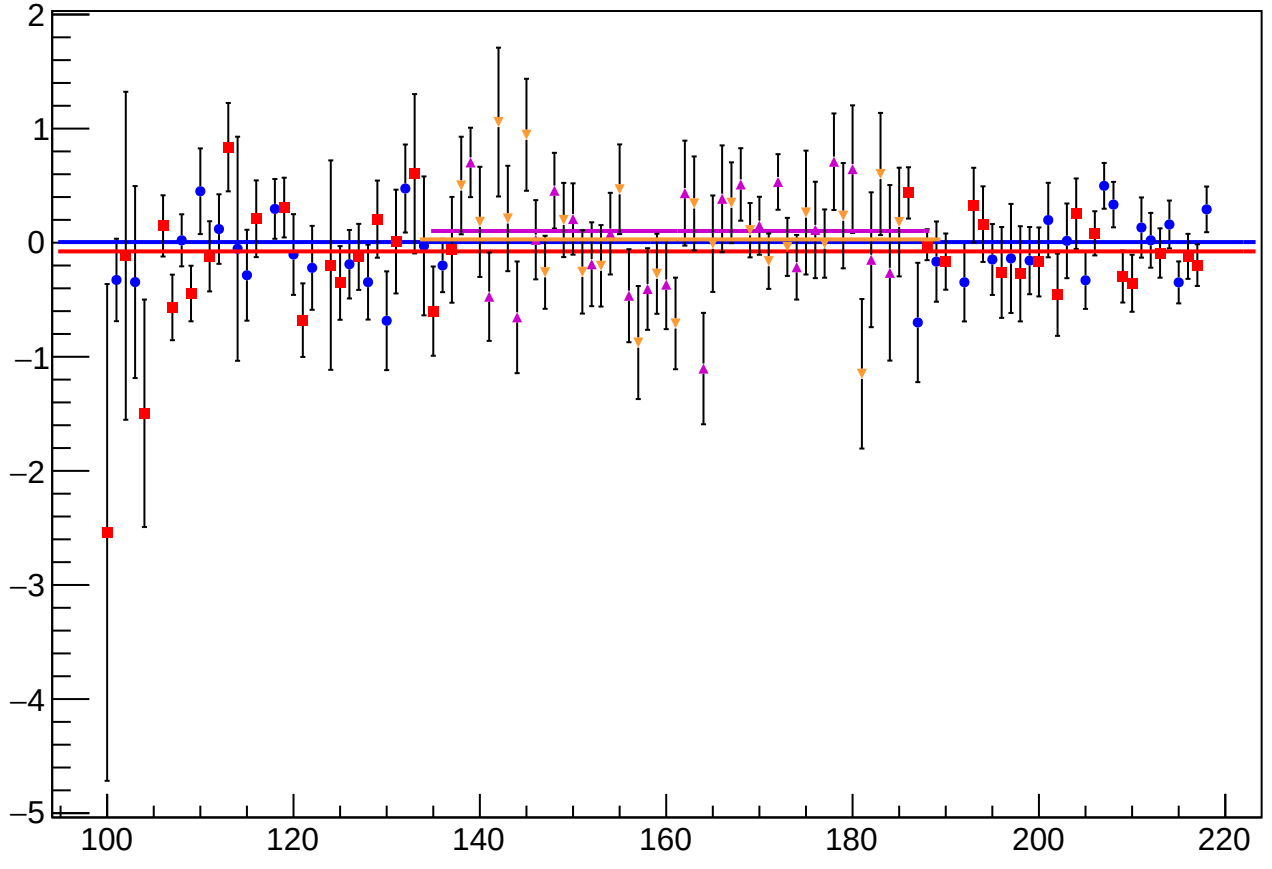
Left In: 0.000+/-0.000 χ^2/NDF:1552521.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 10550337.2/56

All: 0.000+/-0.000 χ^2/NDF: 22447241.5/114

- sign 0.000+/-0.000 χ^2/NDF: 11870964.7/57

asym_usr_atr2_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.005+/-0.051 χ^2/NDF: 32.3/31

Left Out: 0.029+/-0.075 χ^2/NDF:25.3/24

Right Out: -0.076+/-0.048 χ^2/NDF: 39.1/34

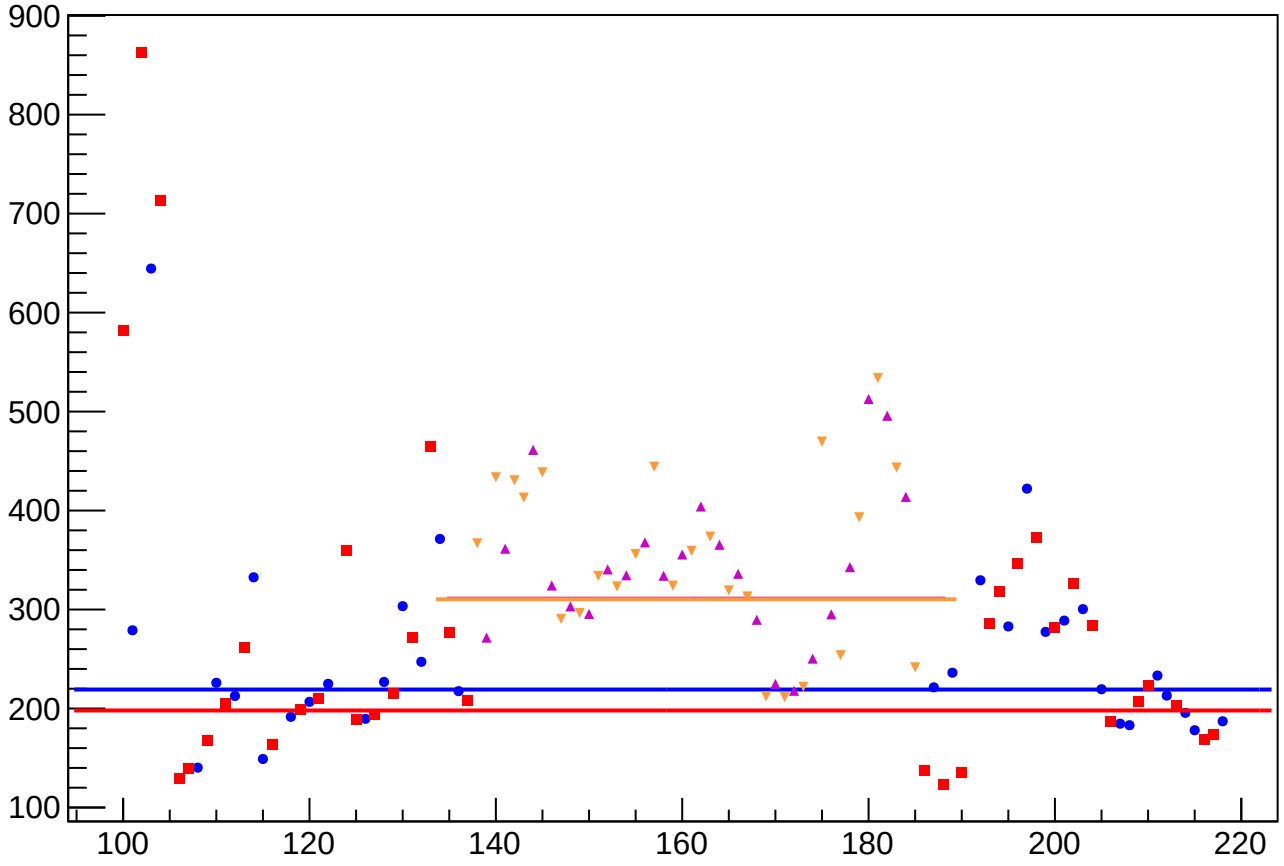
Left In: 0.103+/-0.076 χ^2/NDF:32.3/22

+ sign 0.013+/-0.042 χ^2/NDF: 57.7/56

All: -0.007+/-0.029 χ^2/NDF: 133.5/114

- sign -0.026+/-0.041 χ^2/NDF: 75.3/57

asym_usr_atr2_avg_dit_vs_cor_diff_rms vs Slug



Right In: 219.173+/-0.036 χ^2/NDF: 2409007.6/31

Left Out: 310.359+/-0.053 χ^2/NDF:2363086.4/24

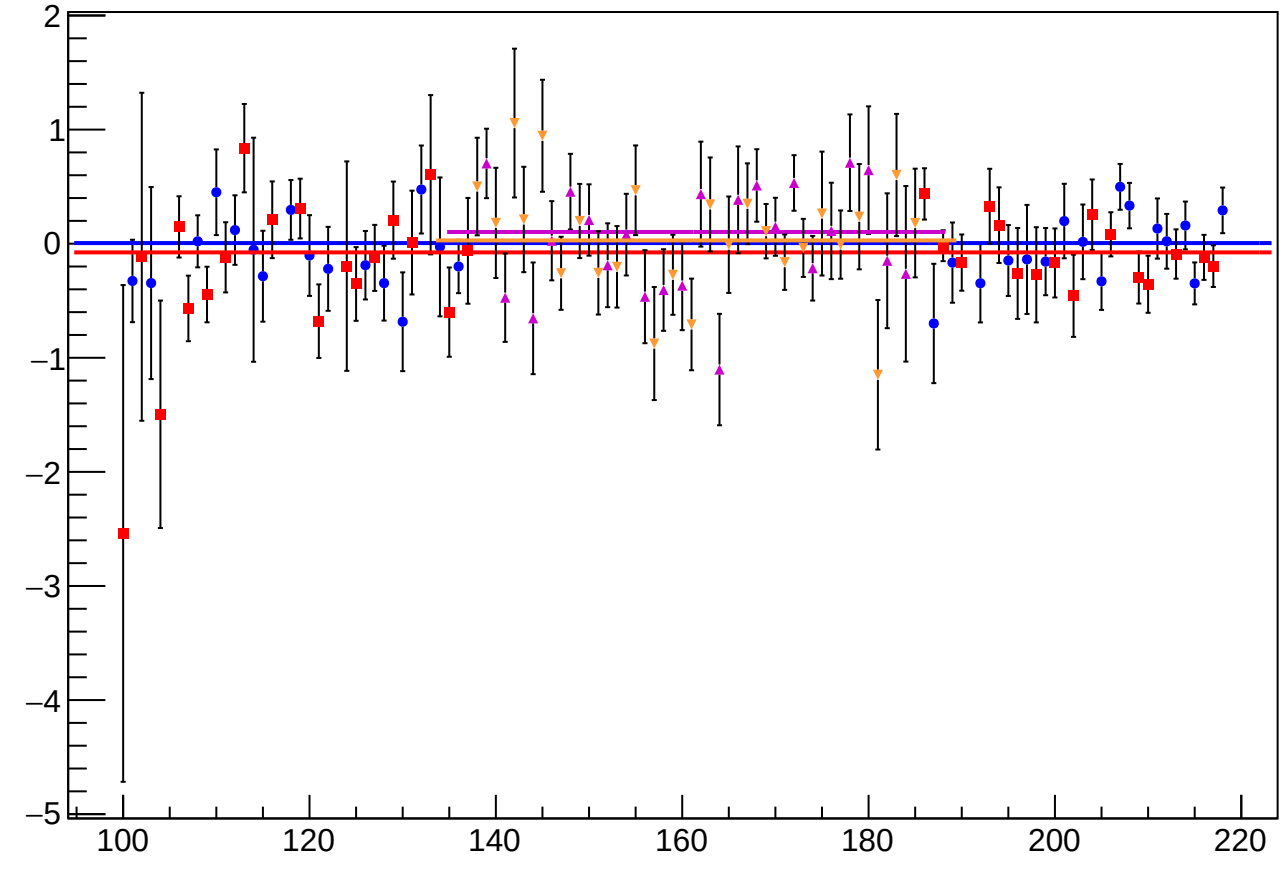
Right Out: 198.007+/-0.034 χ^2/NDF: 4448548.8/34

Left In: 310.960+/-0.054 χ^2/NDF:1600370.0/22

+ sign 248.567+/-0.030 χ^2/NDF: 6793366.1/56

All: 238.924+/-0.021 χ^2/NDF: 16183675.8/11

- sign 230.068+/-0.029 χ^2/NDF: 9191766.0/57



Right In: 0.005+/-0.051 χ^2/NDF: 32.3/31

Left Out: 0.029+/-0.075 χ^2/NDF:25.3/24

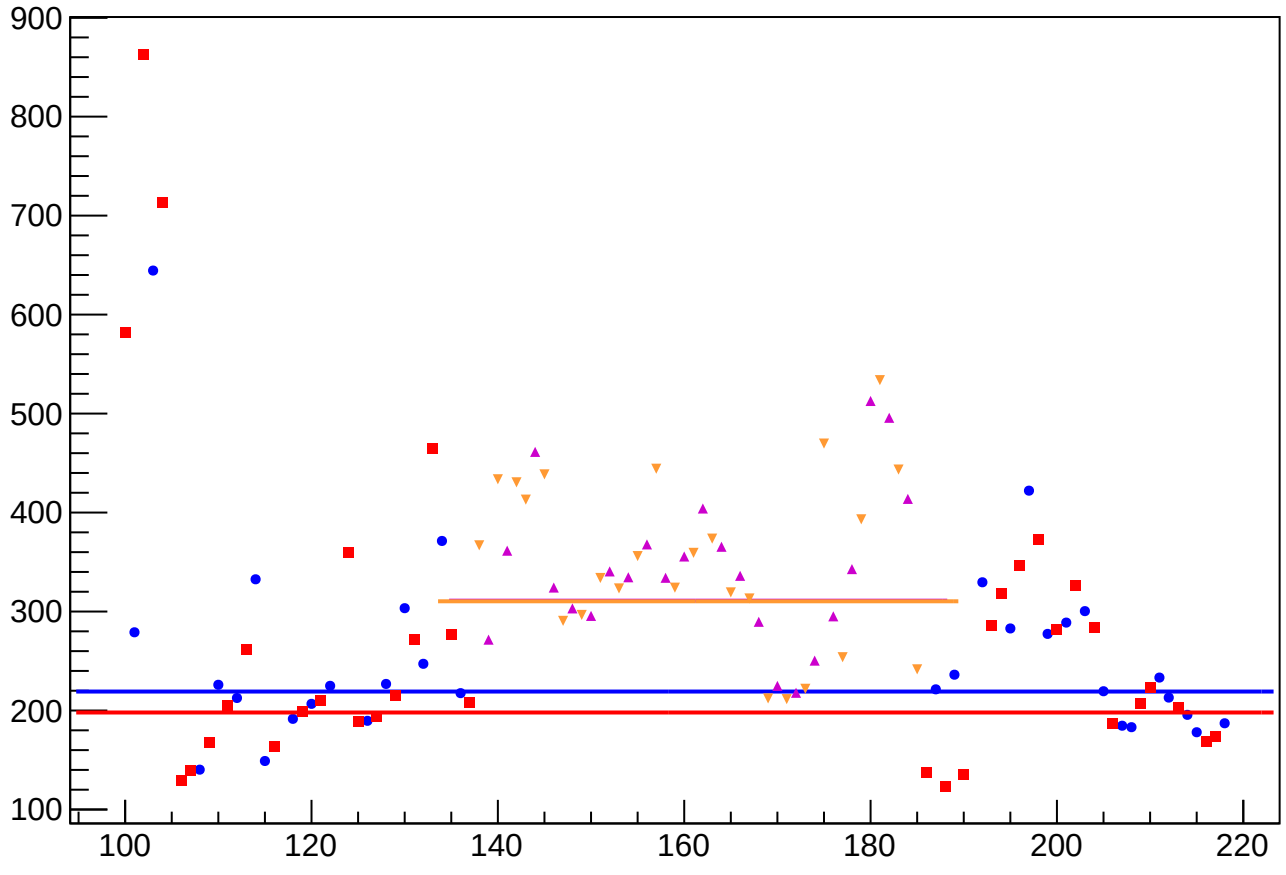
Right Out: -0.076+/-0.048 χ^2/NDF: 39.1/34

Left In: 0.103+/-0.076 χ^2/NDF:32.3/22

+ sign 0.013+/-0.042 χ^2/NDF: 57.7/56

All: -0.007+/-0.029 χ^2/NDF: 133.5/114

- sign -0.026+/-0.041 χ^2/NDF: 75.3/57



Right In: 219.173+/-0.036 χ^2/NDF: 2409007.6/31

Left Out: 310.359+/-0.053 χ^2/NDF:2363086.4/24

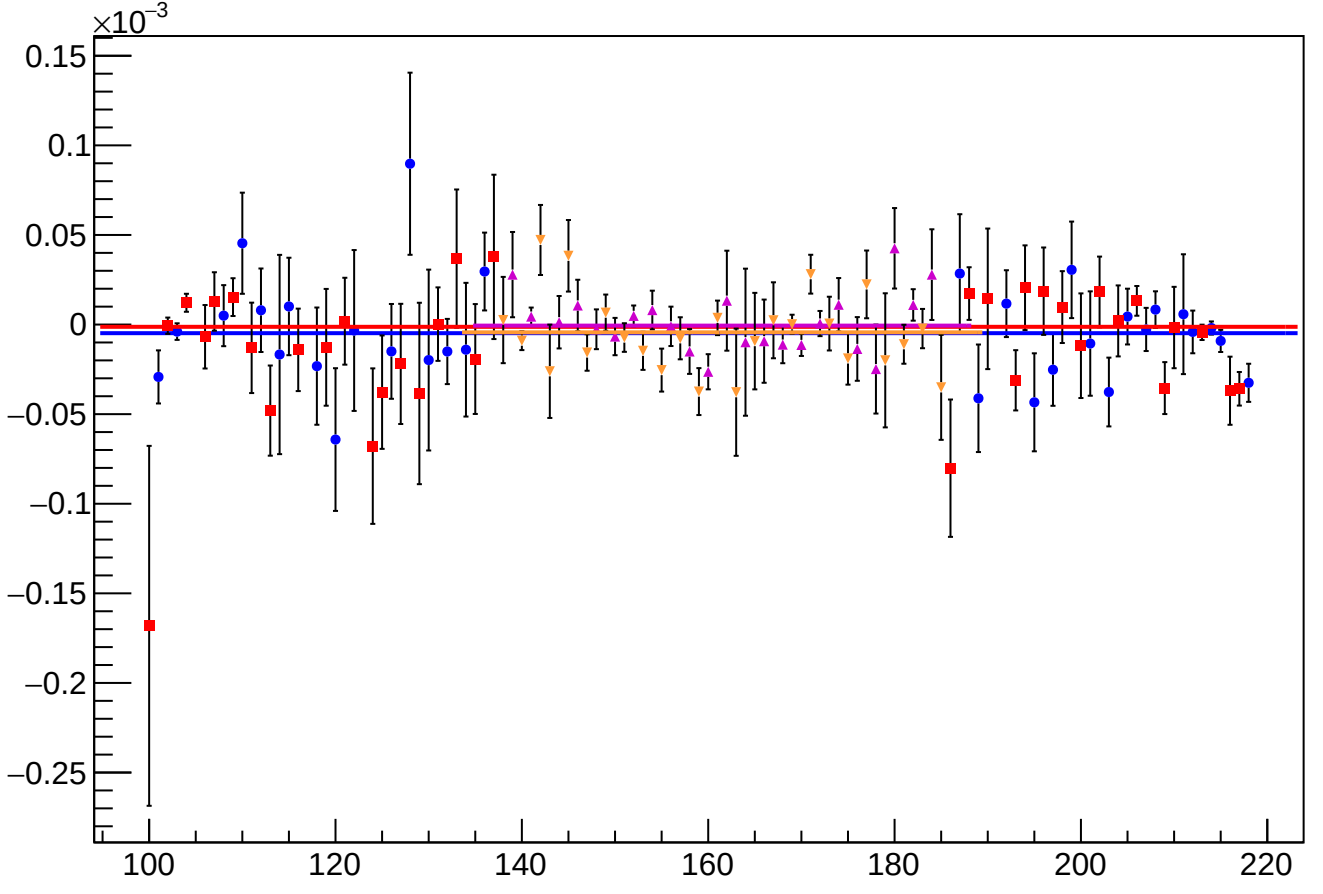
Right Out: 198.007+/-0.034 χ^2/NDF: 4448548.8/34

Left In: 310.960+/-0.054 χ^2/NDF:1600370.0/22

+ sign 248.567+/-0.030 χ^2/NDF: 6793366.1/56

All: 238.924+/-0.021 χ^2/NDF: 16183675.8/11

- sign 230.068+/-0.029 χ^2/NDF: 9191766.0/57



Right In: -0.000+/-0.000 χ^2/NDF: 37.0/31

Left Out: -0.000+/-0.000 χ^2/NDF:42.3/24

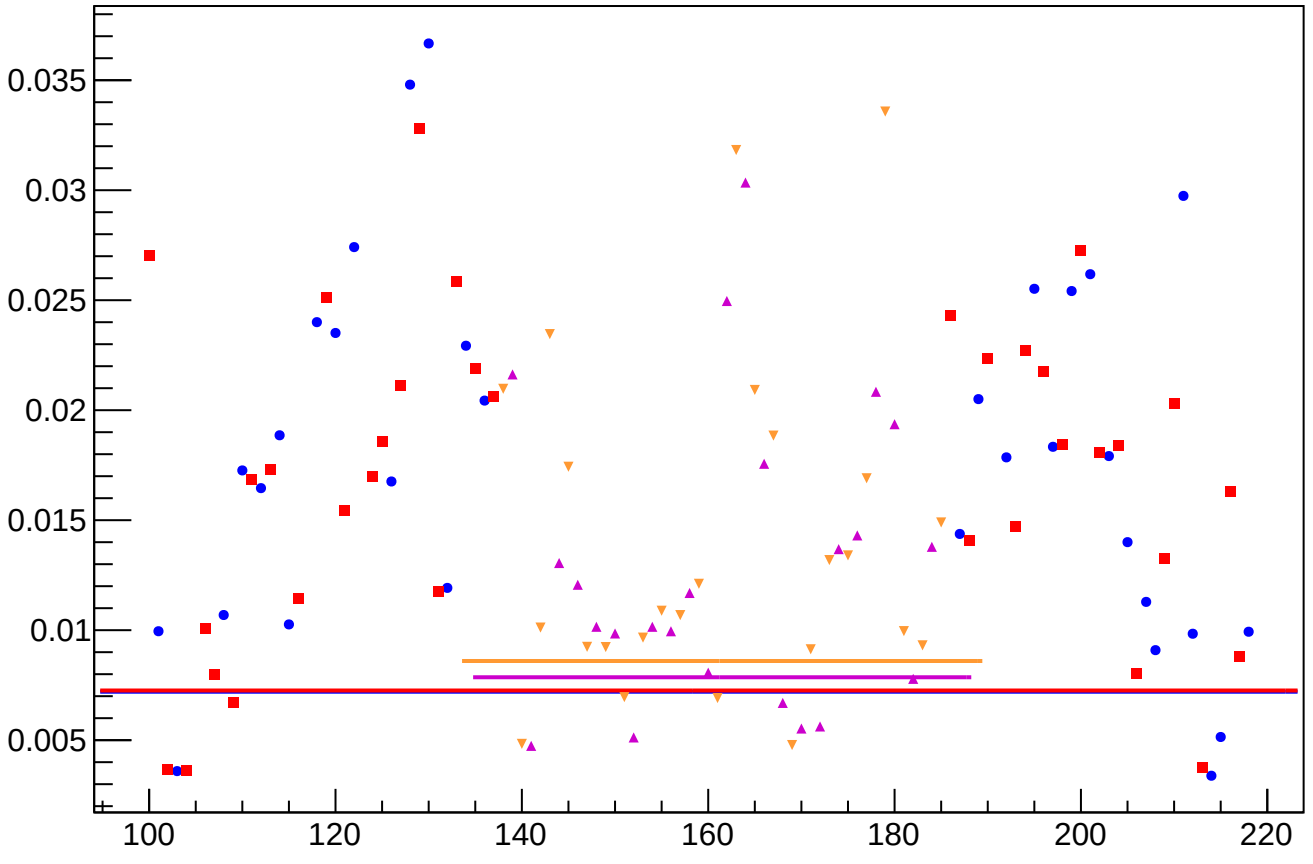
Right Out: -0.000+/-0.000 χ^2/NDF: 62.4/34

Left In: -0.000+/-0.000 χ^2/NDF:26.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 79.3/56

All: -0.000+/-0.000 χ^2/NDF: 171.2/114

- sign -0.000+/-0.000 χ^2/NDF: 89.0/57



Right In: 0.007+/-0.000 χ^2/NDF: 15321312.1/31

Left Out: 0.009+/-0.000 χ^2/NDF:7653564.7/24

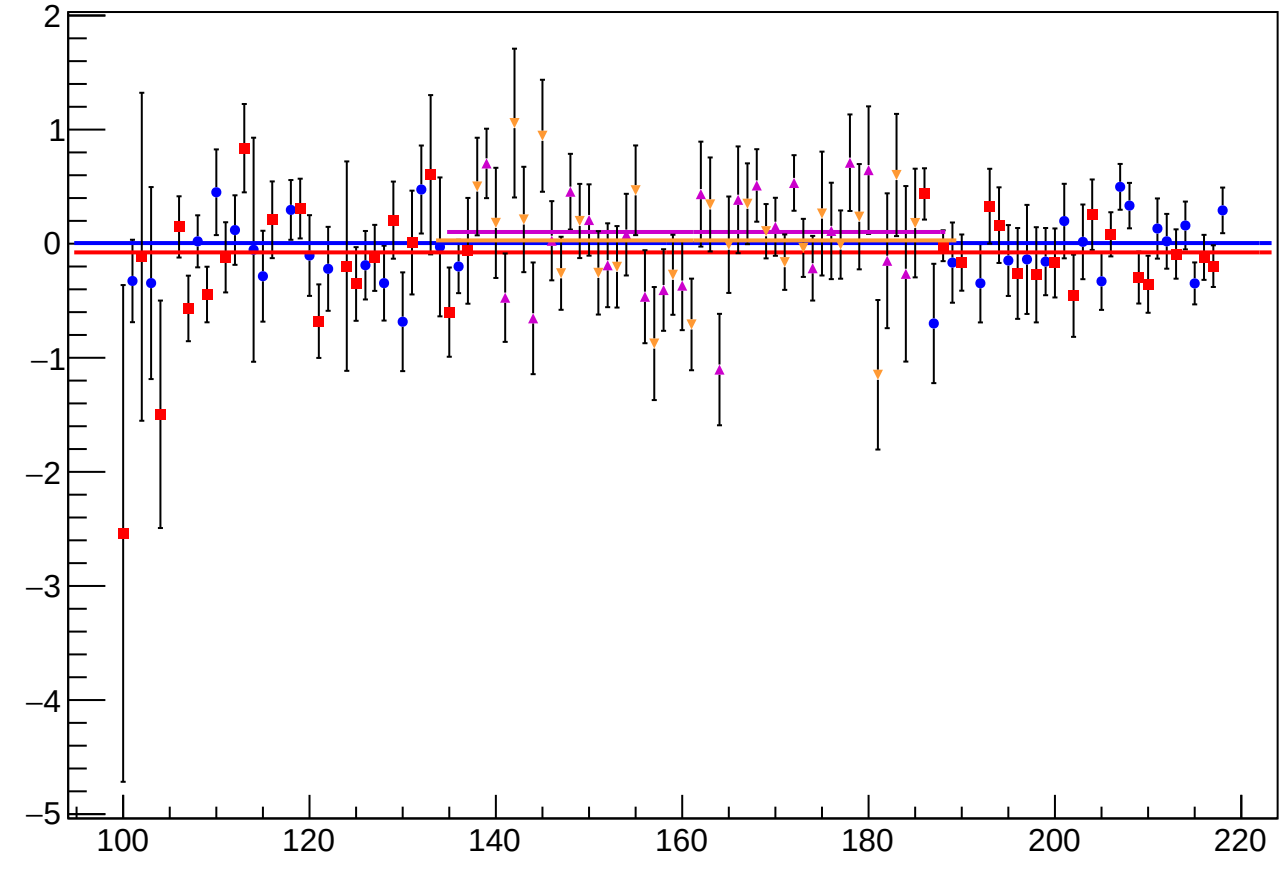
Right Out: 0.007+/-0.000 χ^2/NDF: 15071711.2/34

Left In: 0.008+/-0.000 χ^2/NDF:6779815.5/22

+ sign 0.008+/-0.000 χ^2/NDF: 23382131.9/56

All: 0.008+/-0.000 χ^2/NDF: 45357052.8/114

- sign 0.008+/-0.000 χ^2/NDF: 21932500.9/57



Right In: 0.005+/-0.051 χ^2/NDF: 32.3/31

Left Out: 0.029+/-0.075 χ^2/NDF:25.3/24

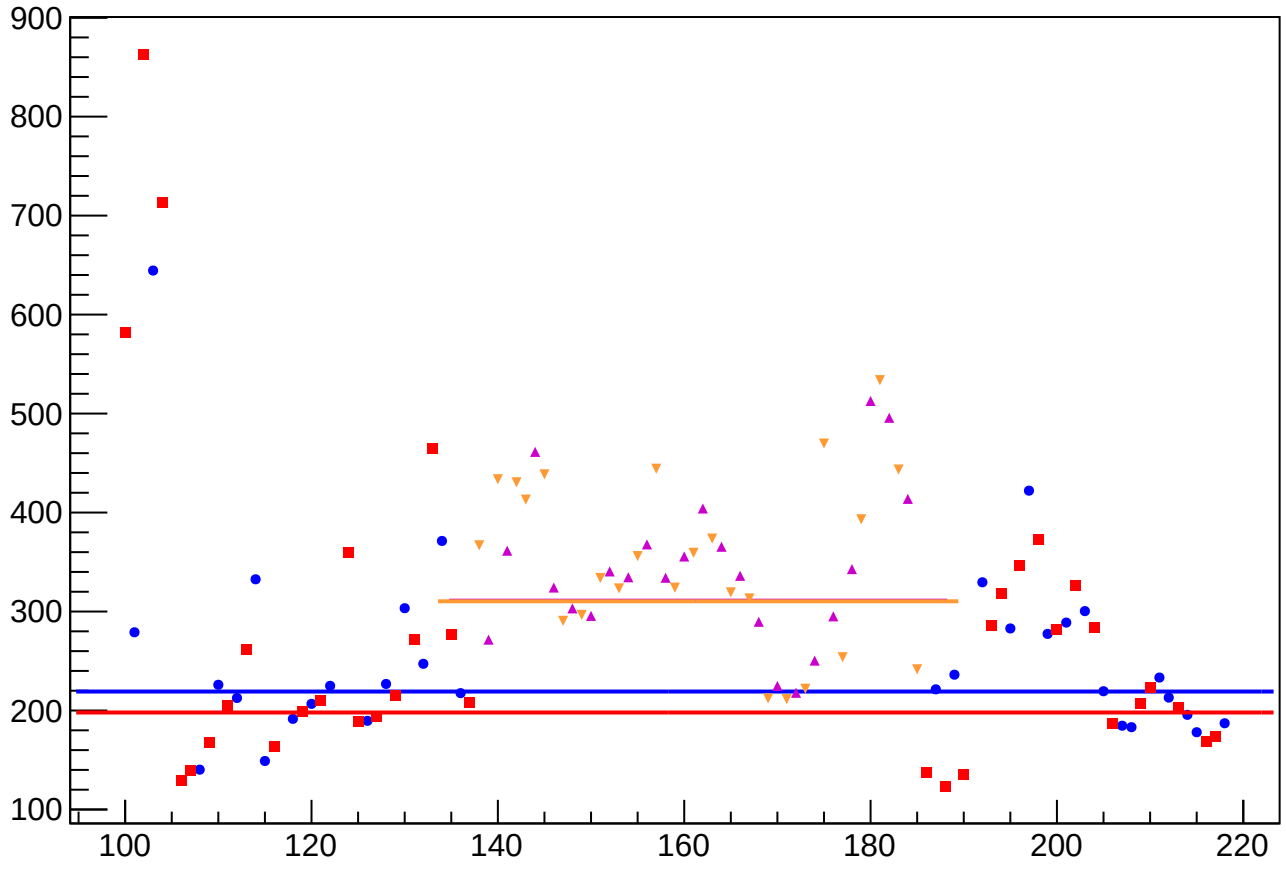
Right Out: -0.076+/-0.048 χ^2/NDF: 39.1/34

Left In: 0.103+/-0.076 χ^2/NDF:32.3/22

+ sign 0.013+/-0.042 χ^2/NDF: 57.7/56

All: -0.007+/-0.029 χ^2/NDF: 133.5/114

- sign -0.026+/-0.041 χ^2/NDF: 75.3/57



Right In: 219.173+/-0.036 χ^2/NDF: 2409007.2/31

Left Out: 310.362+/-0.053 χ^2/NDF:2363148.8/24

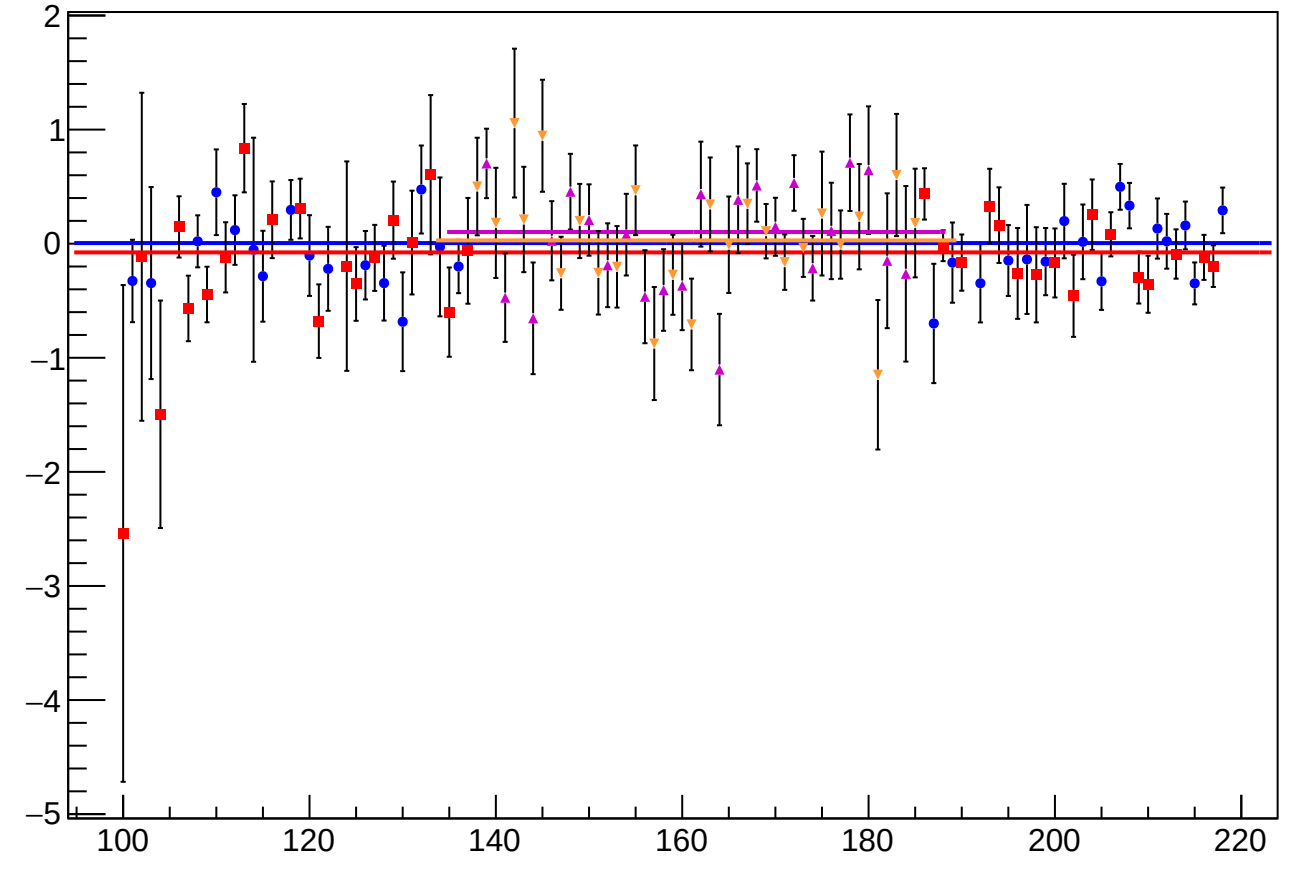
Right Out: 198.005+/-0.034 χ^2/NDF: 4448682.0/34

Left In: 310.963+/-0.054 χ^2/NDF:1600401.1/22

+ sign 248.568+/-0.030 χ^2/NDF: 6793562.9/56

All: 238.923+/-0.021 χ^2/NDF: 16184329.1/11

- sign 230.066+/-0.029 χ^2/NDF: 9192189.8/57



Right In: 0.005+/-0.051 χ^2/NDF: 32.3/31

Left Out: 0.029+/-0.075 χ^2/NDF:25.3/24

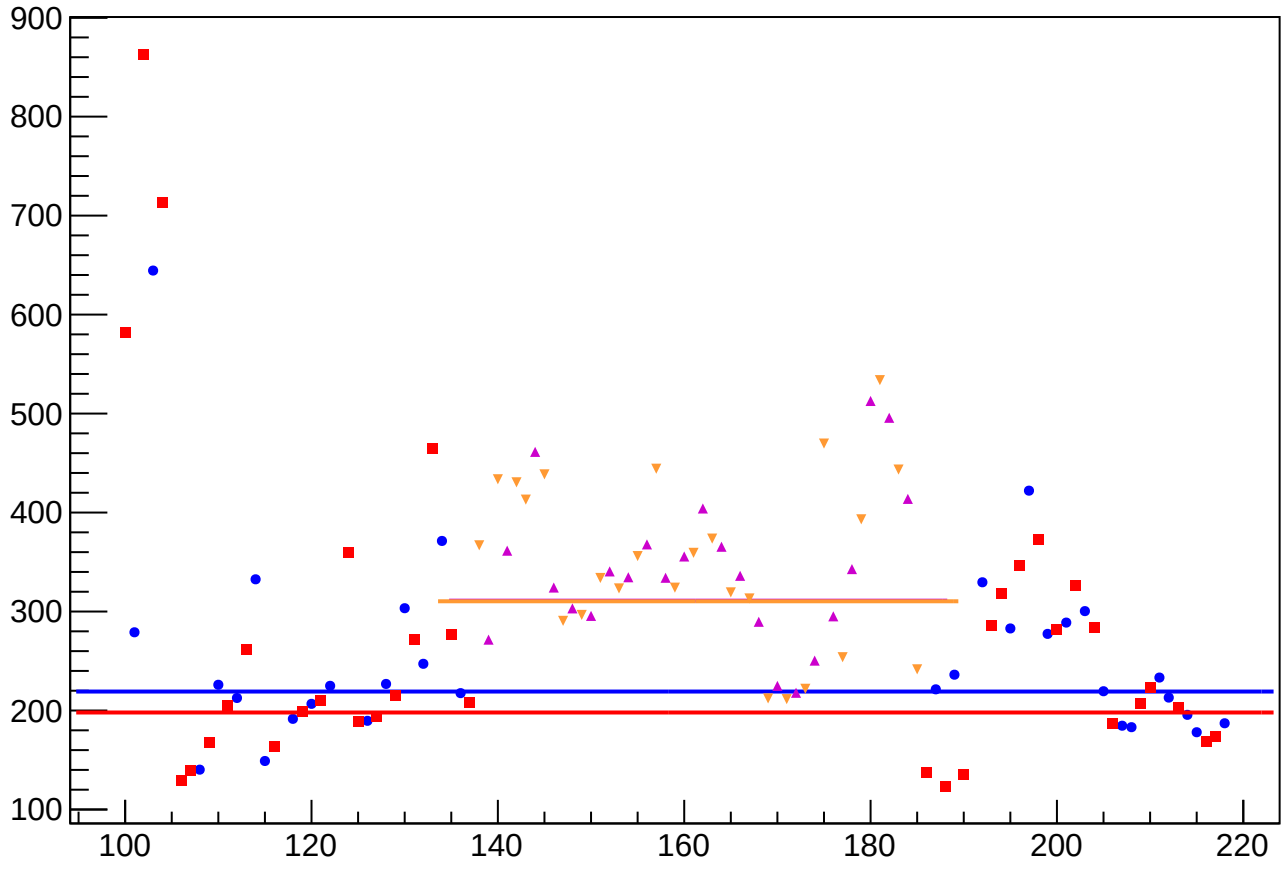
Right Out: -0.076+/-0.048 χ^2/NDF: 39.1/34

Left In: 0.103+/-0.076 χ^2/NDF:32.3/22

+ sign 0.013+/-0.042 χ^2/NDF: 57.7/56

All: -0.007+/-0.029 χ^2/NDF: 133.5/114

- sign -0.026+/-0.041 χ^2/NDF: 75.3/57



Right In: 219.173+/-0.036 χ^2/NDF: 2409007.2/31

Left Out: 310.362+/-0.053 χ^2/NDF:2363148.8/24

Right Out: 198.005+/-0.034 χ^2/NDF: 4448682.0/34

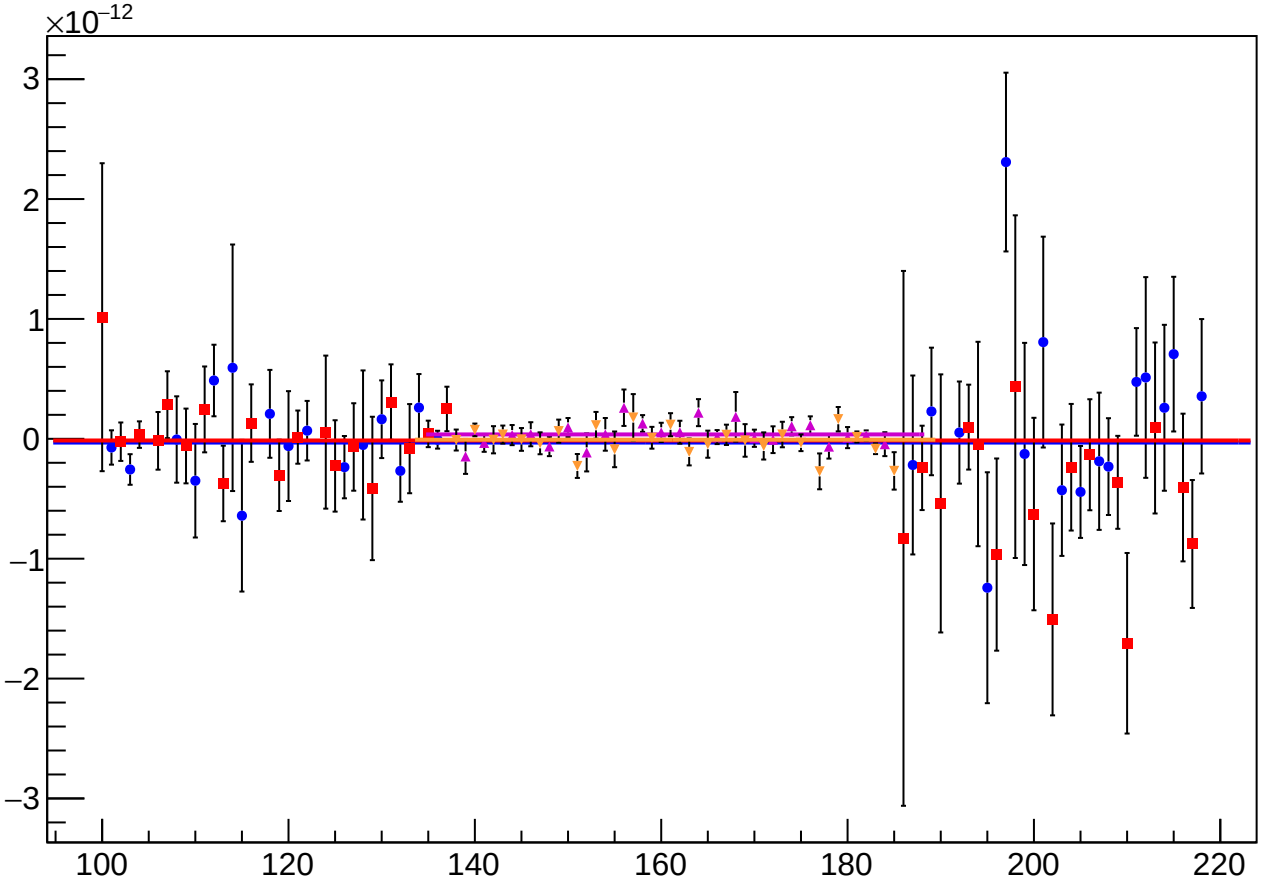
Left In: 310.963+/-0.054 χ^2/NDF:1600401.1/22

+ sign 248.568+/-0.030 χ^2/NDF: 6793562.9/56

All: 238.923+/-0.021 χ^2/NDF: 16184329.1/11

- sign 230.066+/-0.029 χ^2/NDF: 9192189.8/57

asym_usr_atr2_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 29.8/31

Left Out: -0.000+/-0.000 χ^2/NDF:25.8/24

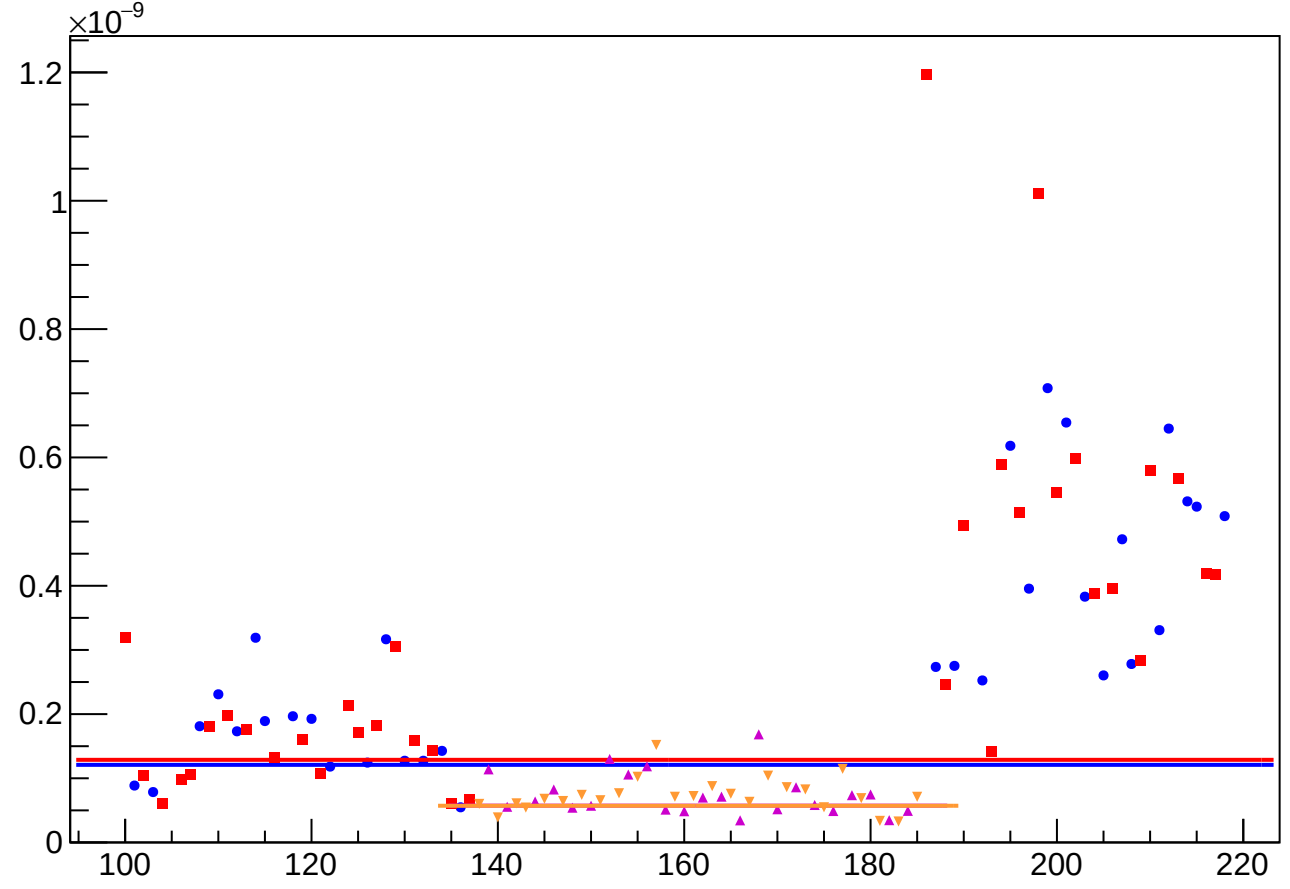
Right Out: -0.000+/-0.000 χ^2/NDF: 24.7/34

Left In: 0.000+/-0.000 χ^2/NDF:16.7/22

+ sign -0.000+/-0.000 χ^2/NDF: 55.8/56

All: 0.000+/-0.000 χ^2/NDF: 101.4/114

- sign 0.000+/-0.000 χ^2/NDF: 42.4/57



Right In: 0.000+/-0.000 χ^2/NDF: 10562240.3/31

Left Out: 0.000+/-0.000 χ^2/NDF:3337849.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10302960.6/34

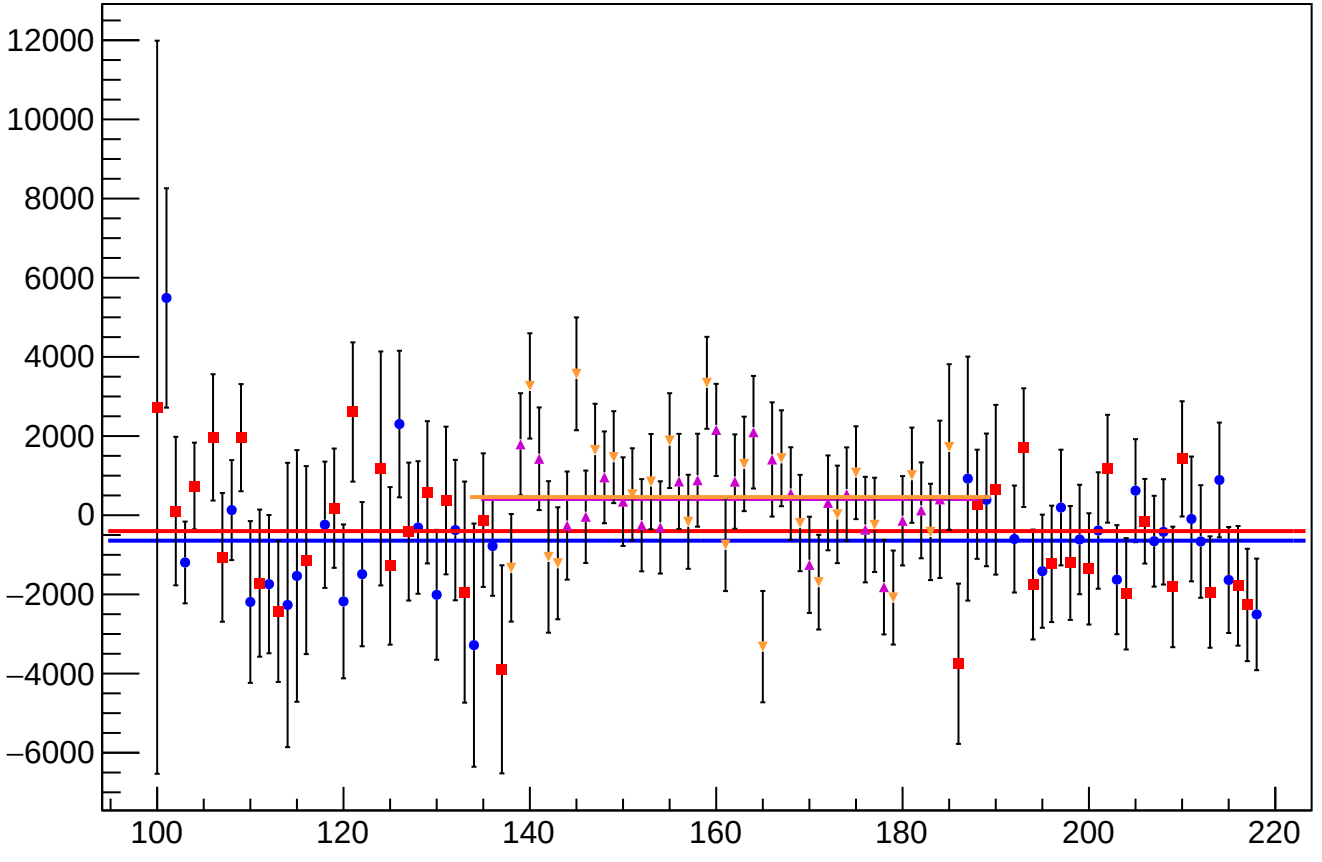
Left In: 0.000+/-0.000 χ^2/NDF:3299416.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 17130446.5/56

All: 0.000+/-0.000 χ^2/NDF: 34509461.7/114

- sign 0.000+/-0.000 χ^2/NDF: 17376245.8/57

reg_asym_usr_atr2_dd_mean vs Slug



Right In: -642.450+/-274.175 χ^2/NDF: 18.1/31

Left Out: 458.782+/-251.538 χ^2/NDF:42.1/24

Right Out: -400.473+/-271.452 χ^2/NDF: 30.8/34

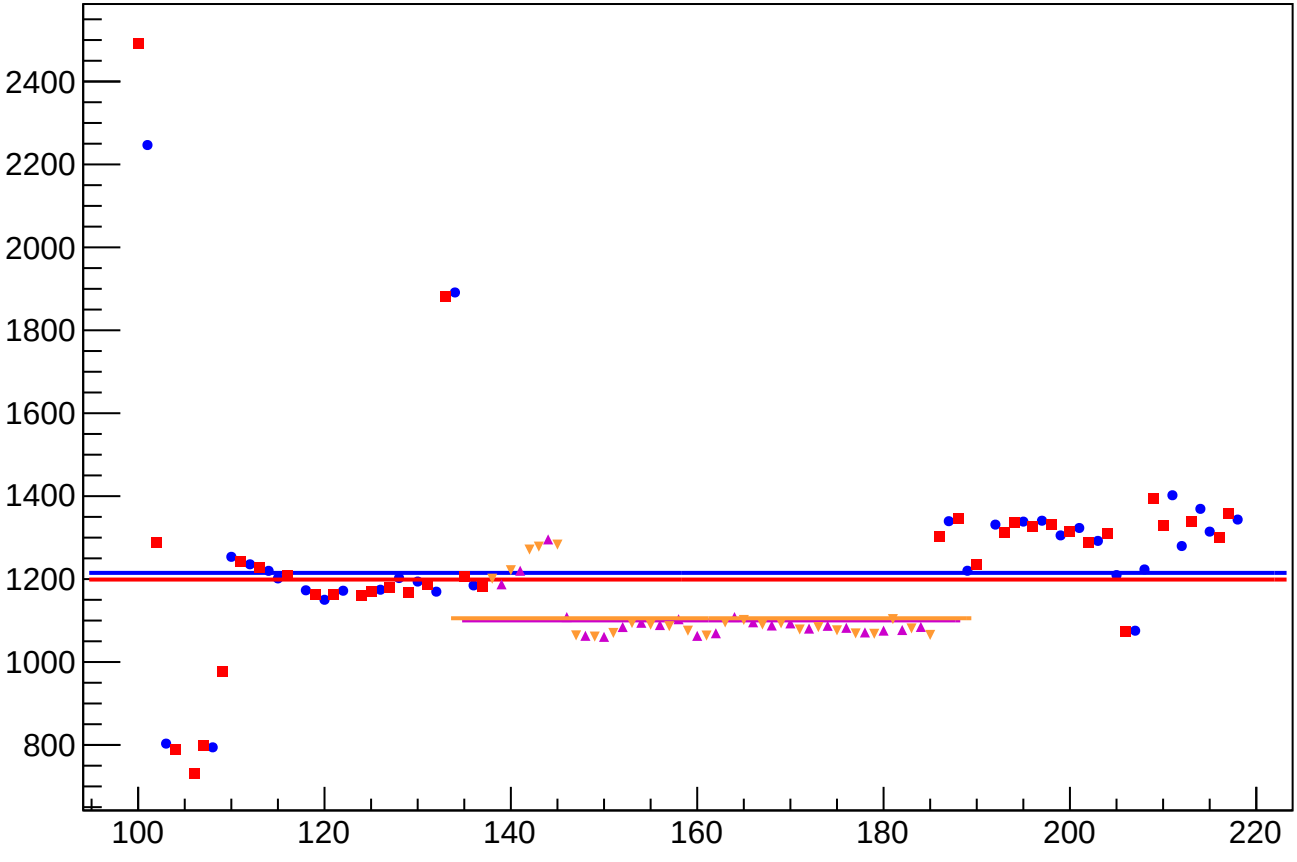
Left In: 411.262+/-257.201 χ^2/NDF:13.7/22

+ sign -44.503+/-185.351 χ^2/NDF: 68.9/56

All: -8.882+/-131.539 χ^2/NDF: 118.1/114

- sign 27.260+/-186.703 χ^2/NDF: 49.1/57

reg_asym_usr_atr2_dd_rms vs Slug



Right In: 1214.974+/-0.194 χ^2/NDF: 1109413.9/31

Left Out: 1105.549+/-0.178 χ^2/NDF:121950.0/24

Right Out: 1198.865+/-0.191 χ^2/NDF: 1092772.3/34

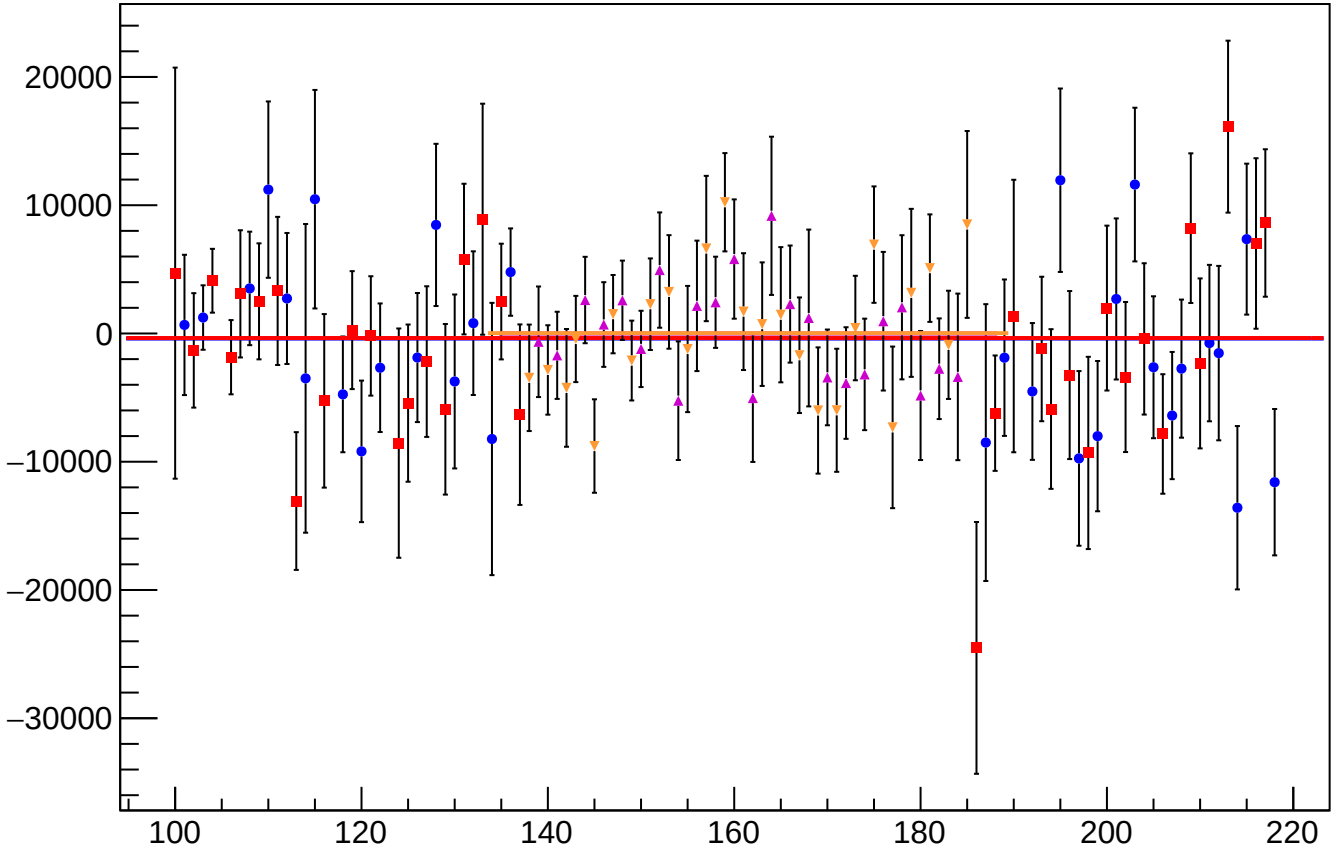
Left In: 1100.350+/-0.182 χ^2/NDF:80240.5/22

+ sign 1155.558+/-0.131 χ^2/NDF: 1404340.7/56

All: 1151.369+/-0.093 χ^2/NDF: 2718745.8/11

- sign 1147.132+/-0.132 χ^2/NDF: 1312350.0/57

asym_usr_atr2_dd_reg_correction_mean vs Slug



Right In: -396.004+/-956.638 χ^2/NDF: 38.8/31

Left Out: 23.368+/-850.404 χ^2/NDF:28.5/24

Right Out: -355.394+/-902.201 χ^2/NDF: 41.8/34

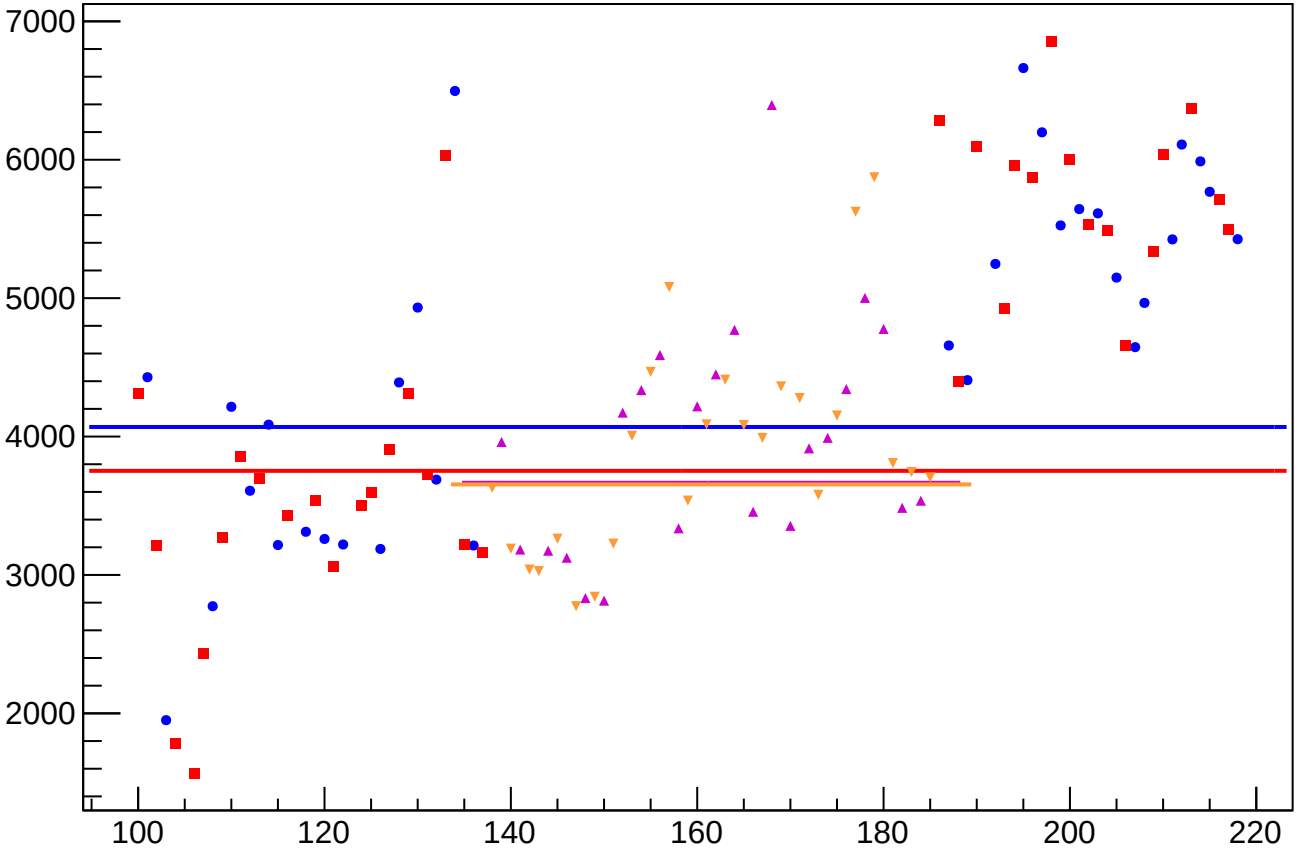
Left In: -6.317+/-875.256 χ^2/NDF:14.0/22

+ sign -161.748+/-635.580 χ^2/NDF: 67.4/56

All: -168.737+/-446.794 χ^2/NDF: 123.3/114

- sign -175.565+/-628.209 χ^2/NDF: 55.9/57

asym_usr_atr2_dd_reg_correction_rms vs Slug



Right In: 4069.159+/-0.676 χ^2/NDF: 3984163.4/31

Left Out: 3654.198+/-0.601 χ^2/NDF:1311761.6/24

Right Out: 3752.331+/-0.638 χ^2/NDF: 5722138.8/34

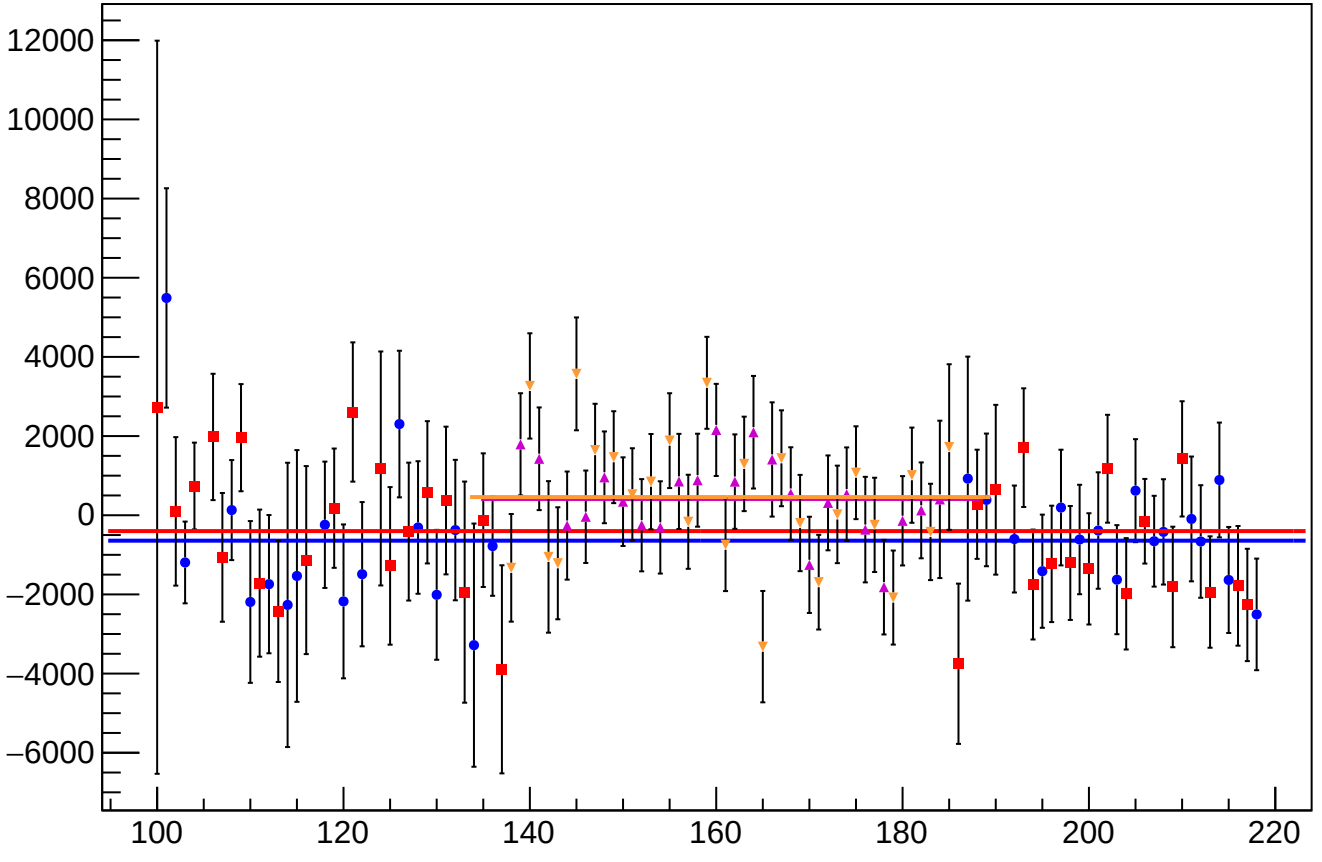
Left In: 3666.118+/-0.619 χ^2/NDF:1343709.3/22

\+ sign 3837.367+/-0.449 χ^2/NDF: 5506128.4/56

All: 3771.887+/-0.316 χ^2/NDF: 12623350.5/1

\- sign 3707.918+/-0.444 χ^2/NDF: 7075256.4/57

cor_asym_usr_atr2_dd_mean vs Slug



Right In: -642.478+/-274.175 χ^2/NDF: 18.1/31

Left Out: 458.844+/-251.538 χ^2/NDF:42.1/24

Right Out: -400.346+/-271.453 χ^2/NDF: 30.8/34

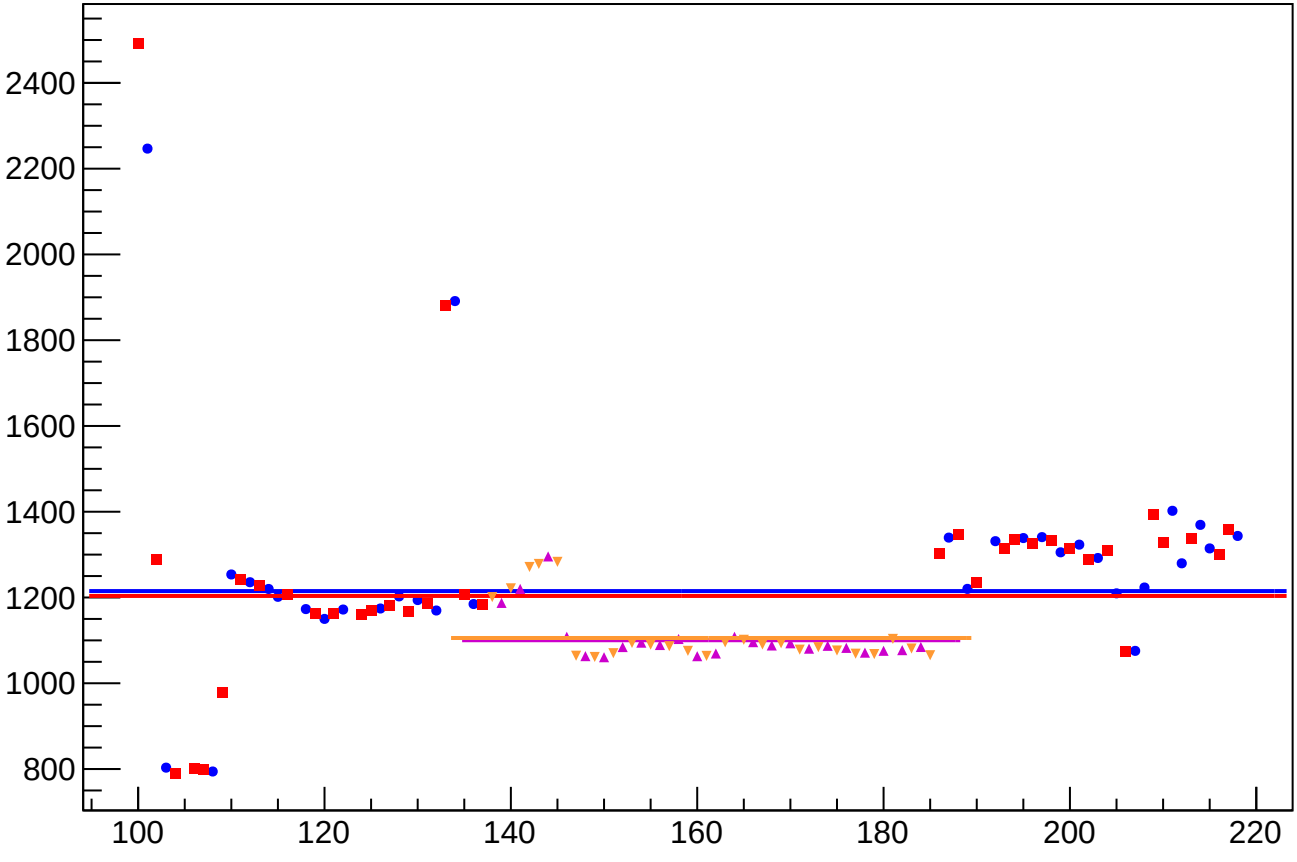
Left In: 411.165+/-257.201 χ^2/NDF:13.7/22

+ sign -44.482+/-185.351 χ^2/NDF: 68.9/56

All: -8.866+/-131.539 χ^2/NDF: 118.1/114

- sign 27.271+/-186.704 χ^2/NDF: 49.2/57

cor_asym_usr_atr2_dd_rms vs Slug



Right In: 1214.974+/-0.194 χ^2/NDF: 1109409.1/31

Left Out: 1105.549+/-0.178 χ^2/NDF:121950.0/24

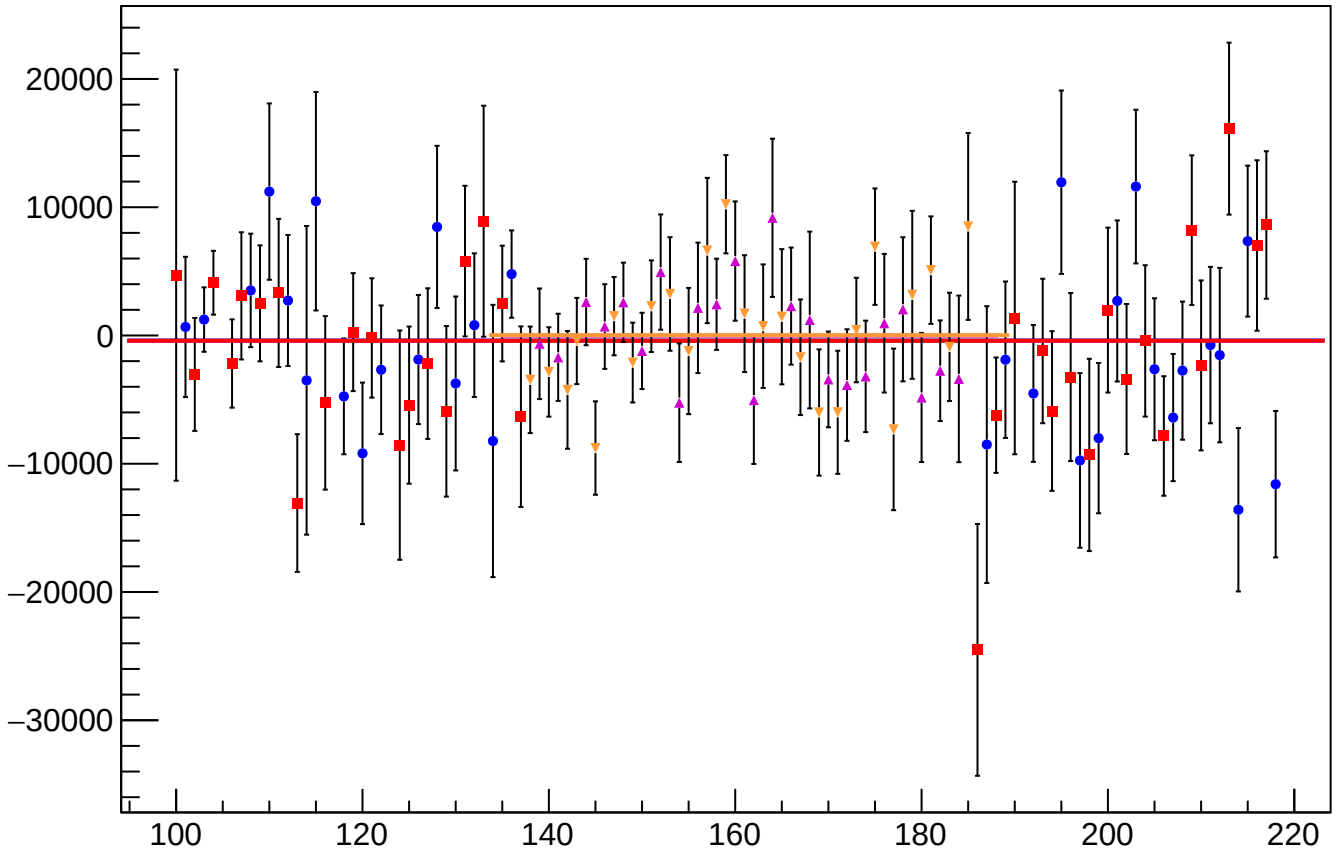
Right Out: 1203.609+/-0.192 χ^2/NDF: 1008882.6/34

Left In: 1100.350+/-0.182 χ^2/NDF:80240.5/22

+ sign 1155.558+/-0.131 χ^2/NDF: 1404336.7/56

All: 1152.422+/-0.093 χ^2/NDF: 2647246.1/11

- sign 1149.241+/-0.132 χ^2/NDF: 1241755.9/57



Right In: -396.407+/-956.661 χ^2/NDF: 38.8/31

Left Out: 23.365+/-850.403 χ^2/NDF:28.5/24

Right Out: -410.693+/-914.810 χ^2/NDF: 42.2/34

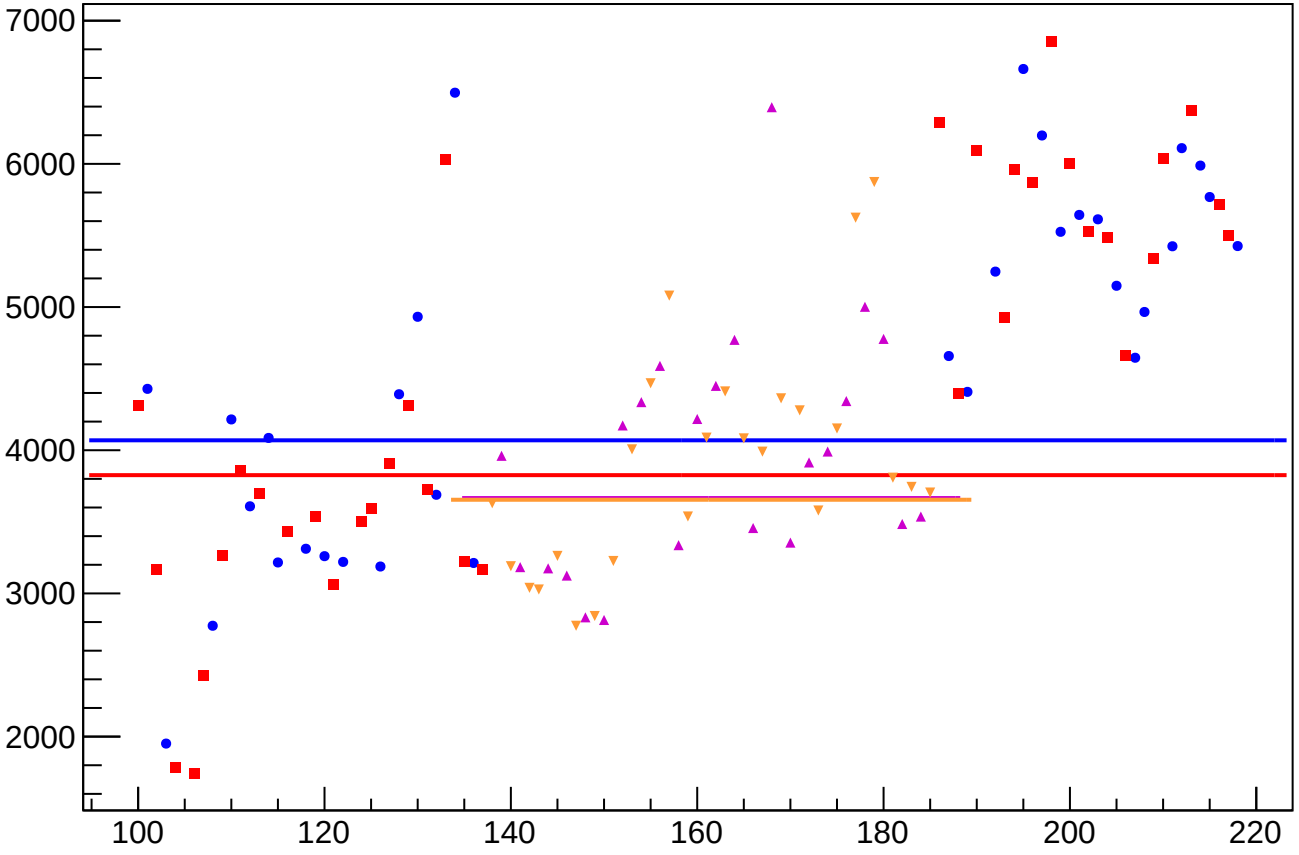
Left In: -6.368+/-875.255 χ^2/NDF:14.0/22

+ sign -161.923+/-635.587 χ^2/NDF: 67.4/56

All: -180.856+/-448.304 χ^2/NDF: 123.7/114

- sign -199.600+/-632.420 χ^2/NDF: 56.3/57

asym_usr_atr2_dd_cor_correction_rms vs Slug



Right In: 4069.312+/-0.676 χ^2/NDF: 3983197.8/31

Left Out: 3654.195+/-0.601 χ^2/NDF:1311769.4/24

Right Out: 3826.045+/-0.647 χ^2/NDF: 5255652.0/34

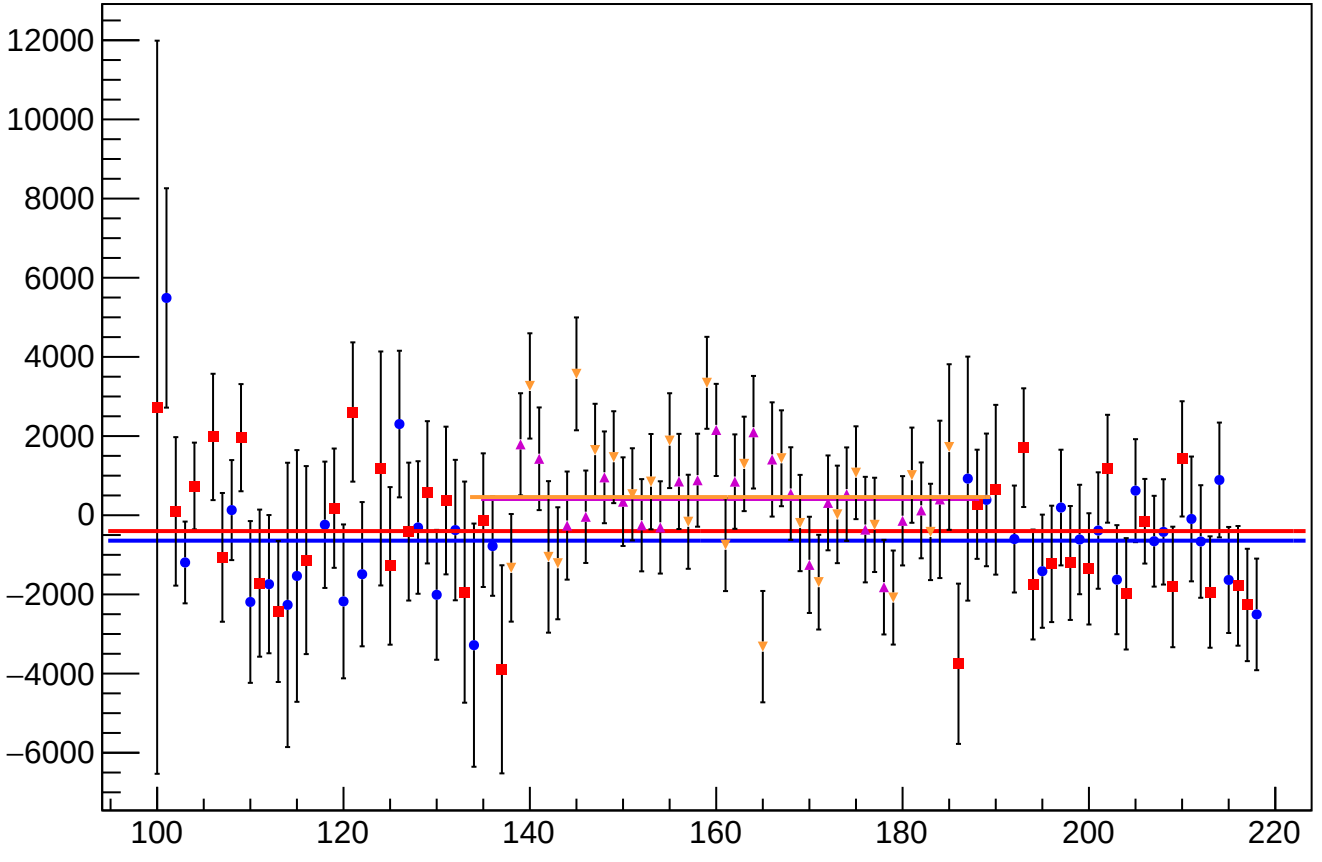
Left In: 3666.114+/-0.619 χ^2/NDF:1343711.6/22

+ sign 3837.428+/-0.449 χ^2/NDF: 5505322.9/56

All: 3789.751+/-0.317 χ^2/NDF: 12158996.0/1

- sign 3742.548+/-0.447 χ^2/NDF: 6631277.2/57

eigen_cor_asym_usr_atr2_dd_mean vs Slug



Right In: -642.478+/-274.175 χ^2/NDF: 18.1/31

Left Out: 458.844+/-251.538 χ^2/NDF:42.1/24

Right Out: -400.346+/-271.453 χ^2/NDF: 30.8/34

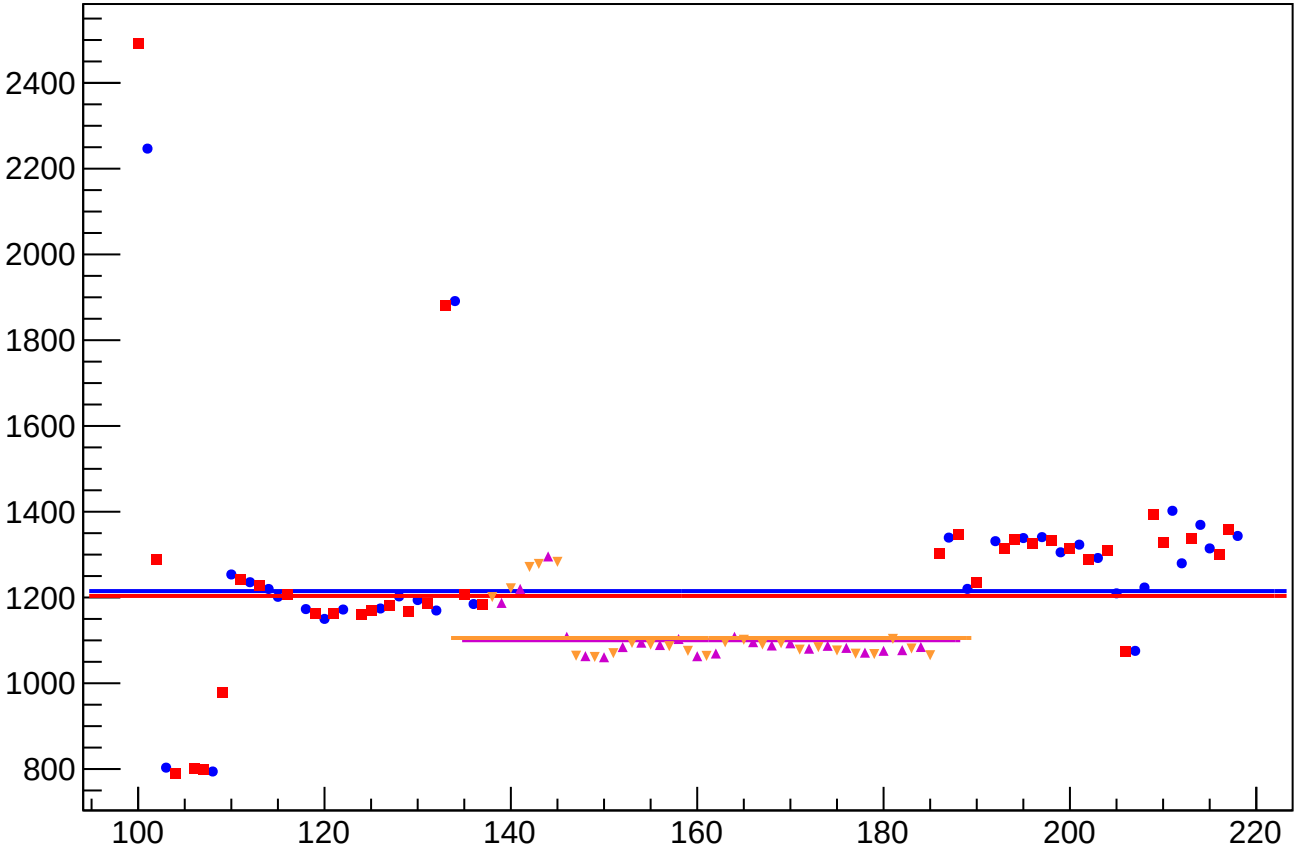
Left In: 411.165+/-257.201 χ^2/NDF:13.7/22

+ sign -44.482+/-185.351 χ^2/NDF: 68.9/56

All: -8.866+/-131.539 χ^2/NDF: 118.1/114

- sign 27.271+/-186.704 χ^2/NDF: 49.2/57

eigen_cor_asym_usr_atr2_dd_rms vs Slug



Right In: 1214.974+/-0.194 χ^2/NDF: 1109409.1/31

Left Out: 1105.549+/-0.178 χ^2/NDF:121950.0/24

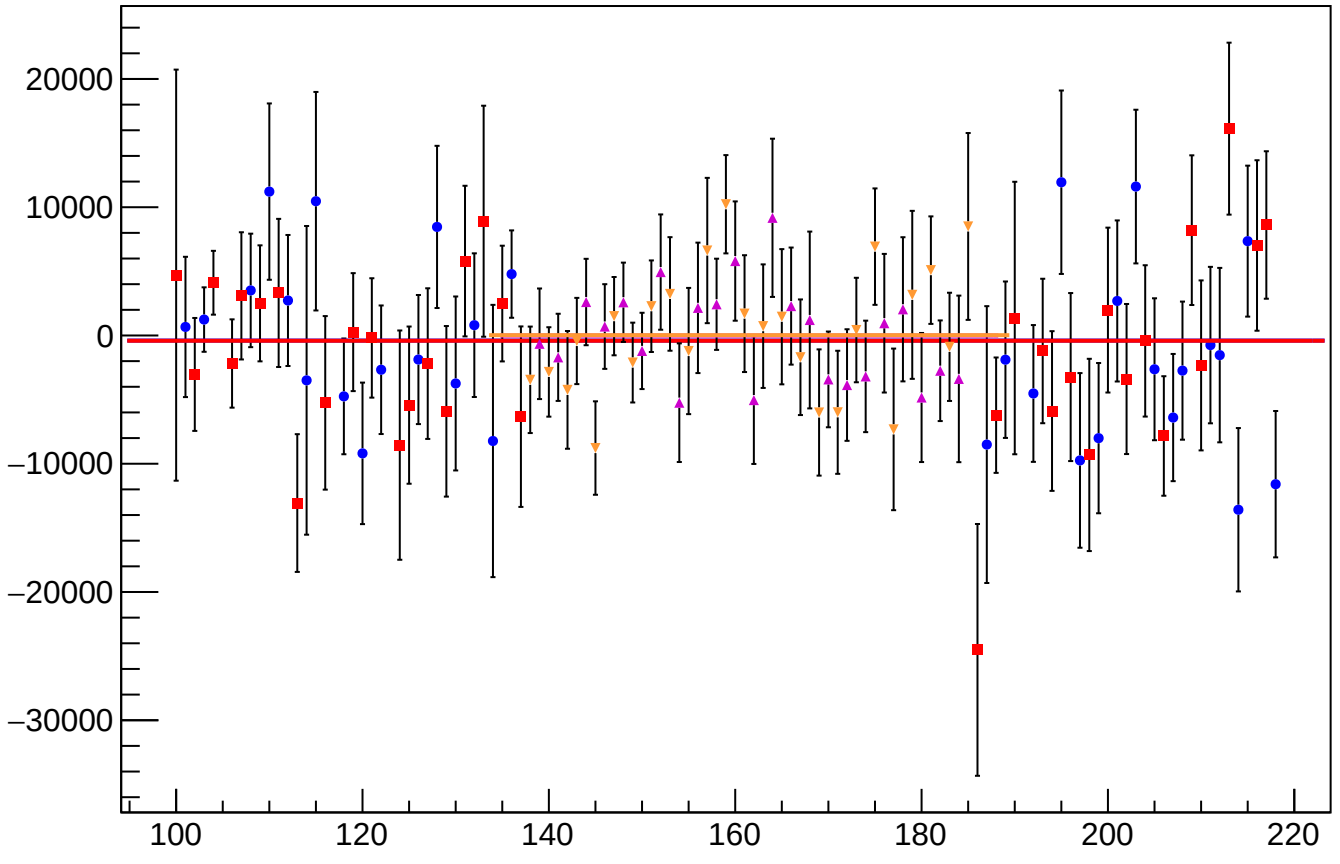
Right Out: 1203.609+/-0.192 χ^2/NDF: 1008882.6/34

Left In: 1100.350+/-0.182 χ^2/NDF:80240.5/22

+ sign 1155.558+/-0.131 χ^2/NDF: 1404336.7/56

All: 1152.422+/-0.093 χ^2/NDF: 2647246.1/11

- sign 1149.241+/-0.132 χ^2/NDF: 1241755.9/57



Right In: -396.407+/-956.661 χ^2/NDF: 38.8/31

Left Out: 23.365+/-850.403 χ^2/NDF:28.5/24

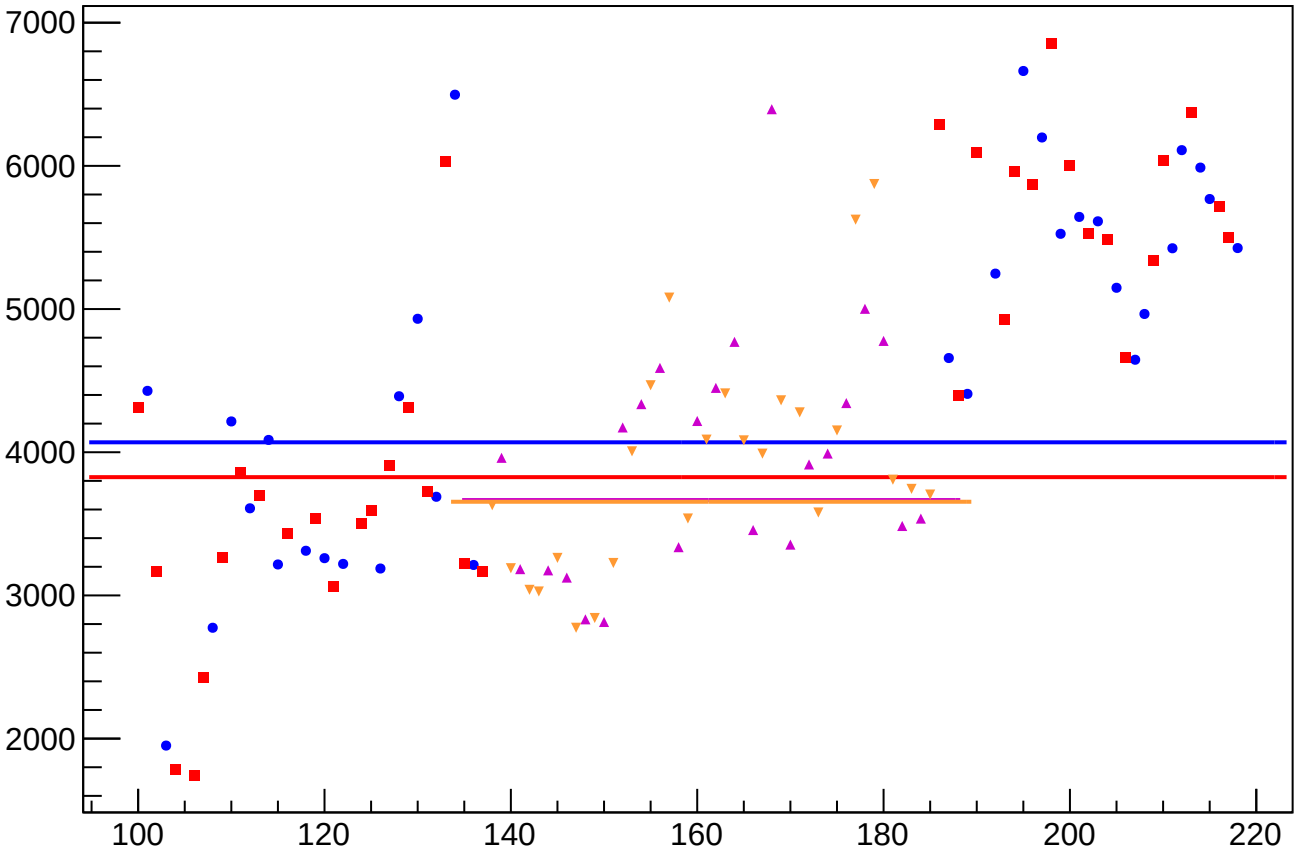
Right Out: -410.693+/-914.810 χ^2/NDF: 42.2/34

Left In: -6.368+/-875.255 χ^2/NDF:14.0/22

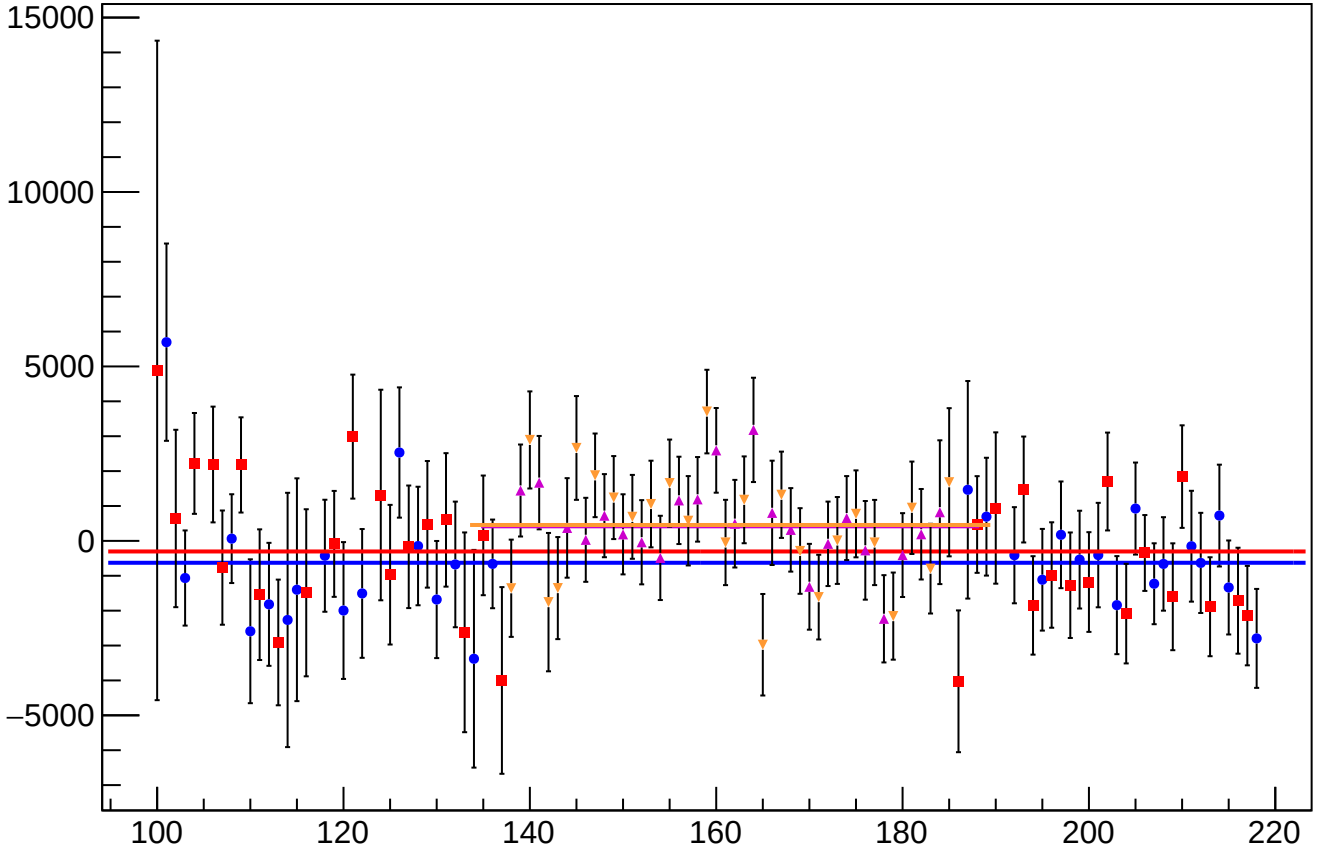
\+ sign -161.923+/-635.587 χ^2/NDF: 67.4/56

All: -180.856+/-448.304 χ^2/NDF: 123.7/114

\- sign -199.600+/-632.420 χ^2/NDF: 56.3/57


asym_usr_atr2_dd_eigen_cor_correction_rms vs Slug
7000
6000
5000
4000
3000
2000
100
120
140
160
180
200
220
Right In: 4069.312+/-0.676 χ²/NDF: 3983197.8/31
Left Out: 3654.195+/-0.601 χ²/NDF:1311769.4/24
Right Out: 3826.045+/-0.647 χ²/NDF: 5255652.0/34
Left In: 3666.114+/-0.619 χ²/NDF:1343711.6/22
+ sign 3837.428+/-0.449 χ²/NDF: 5505322.9/56
All: 3789.751+/-0.317 χ²/NDF: 12158996.0/1
- sign 3742.548+/-0.447 χ²/NDF: 6631277.2/57

dit_asym_usr_atr2_dd_mean vs Slug



Right In: -627.392+/-281.864 χ^2/NDF: 19.3/31

Left Out: 455.711+/-261.005 χ^2/NDF:36.1/24

Right Out: -303.390+/-280.237 χ^2/NDF: 36.6/34

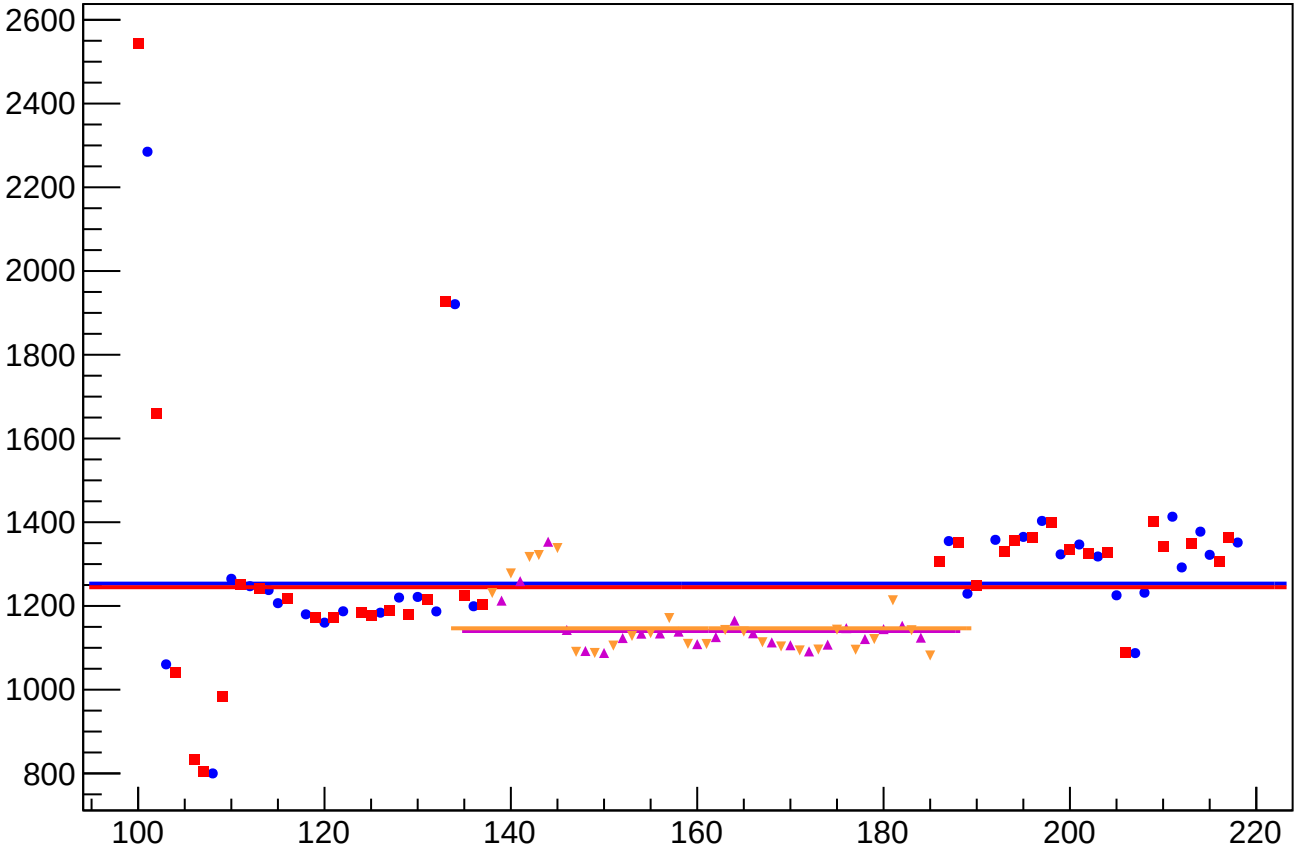
Left In: 417.202+/-266.582 χ^2/NDF:17.3/22

+ sign -44.285+/-191.509 χ^2/NDF: 63.4/56

All: 14.794+/-135.993 χ^2/NDF: 121.0/114

- sign 74.889+/-193.149 χ^2/NDF: 57.4/57

dit_asym_usr_atr2_dd_rms vs Slug



Right In: 1253.303+/-0.199 χ^2/NDF: 829317.3/31

Left Out: 1146.614+/-0.185 χ^2/NDF:141015.8/24

Right Out: 1244.729+/-0.198 χ^2/NDF: 790757.6/34

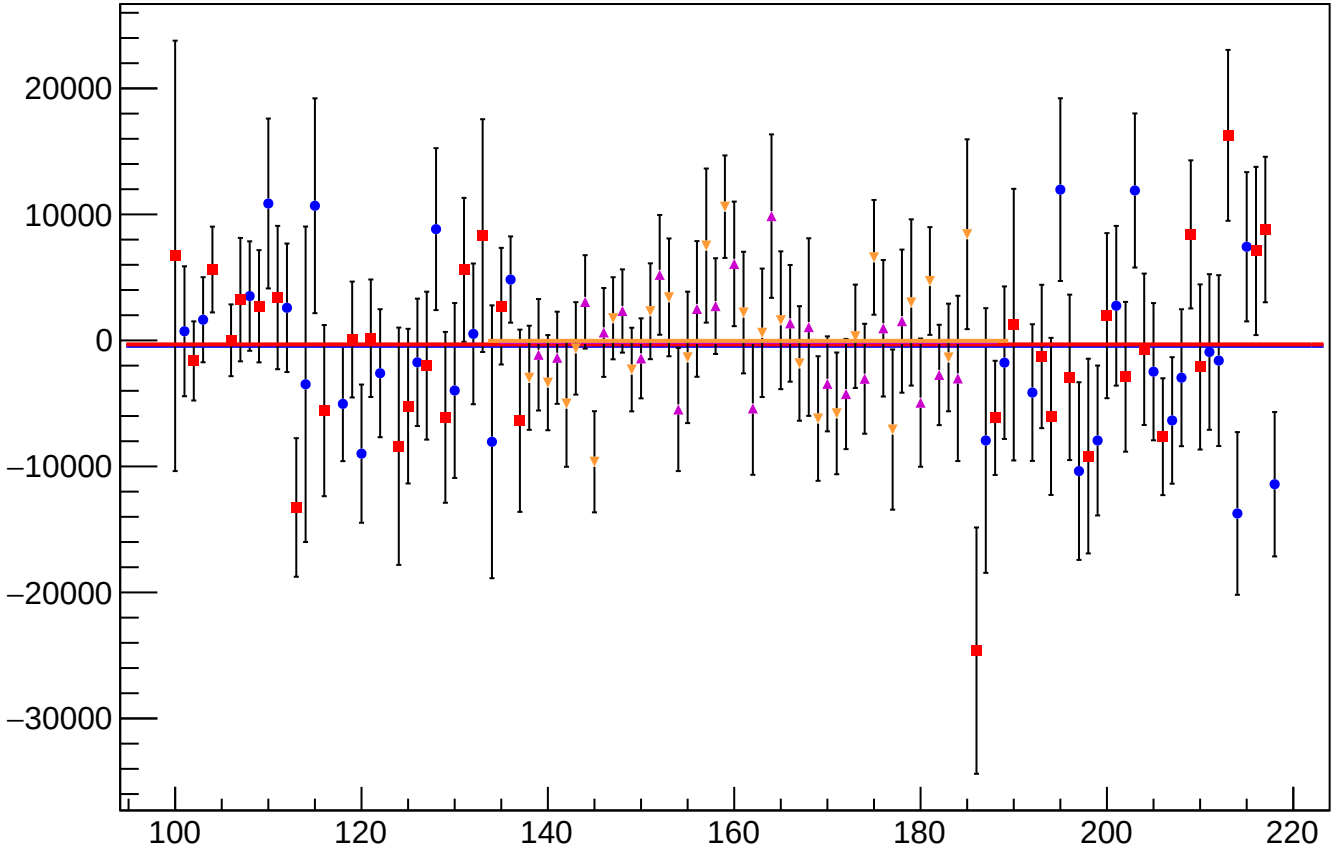
Left In: 1140.168+/-0.189 χ^2/NDF:84737.4/22

+ sign 1195.865+/-0.135 χ^2/NDF: 1124598.4/56

All: 1192.882+/-0.096 χ^2/NDF: 2147264.5/11

- sign 1189.849+/-0.137 χ^2/NDF: 1021687.6/57

asym_usr_atr2_dd_dit_correction_mean vs Slug



Right In: -430.899+/-991.548 χ^2/NDF: 38.4/31

Left Out: -33.549+/-891.370 χ^2/NDF:27.8/24

Right Out: -315.536+/-913.322 χ^2/NDF: 41.2/34

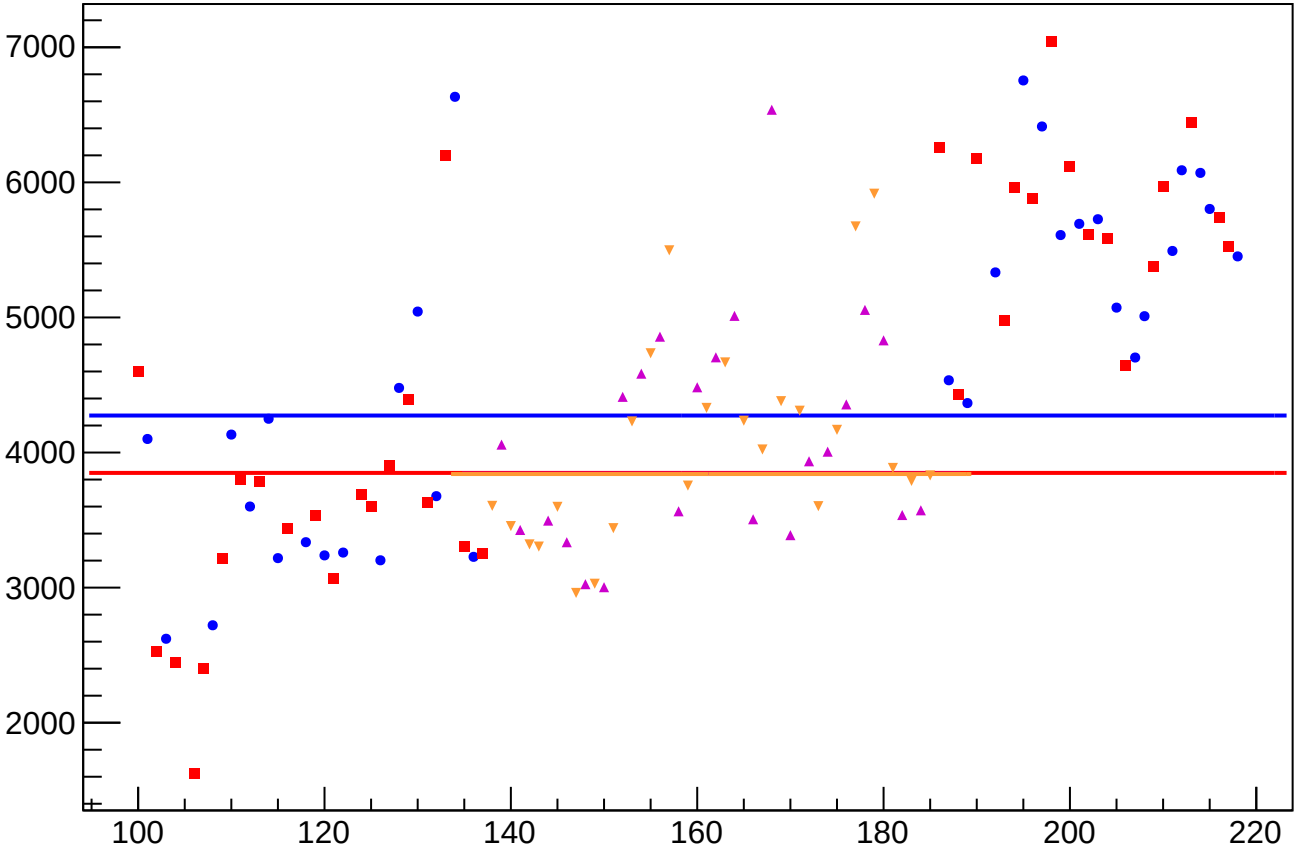
Left In: -121.051+/-915.714 χ^2/NDF:13.8/22

+ sign -211.143+/-662.890 χ^2/NDF: 66.3/56

All: -214.937+/-462.890 χ^2/NDF: 121.3/114

- sign -218.548+/-646.661 χ^2/NDF: 55.0/57

asym_usr_atr2_dd_dit_correction_rms vs Slug



Right In: 4273.937+/-0.701 χ^2/NDF: 2959796.5/31

Left Out: 3840.830+/-0.630 χ^2/NDF:1118666.6/24

Right Out: 3849.214+/-0.646 χ^2/NDF: 5098570.4/34

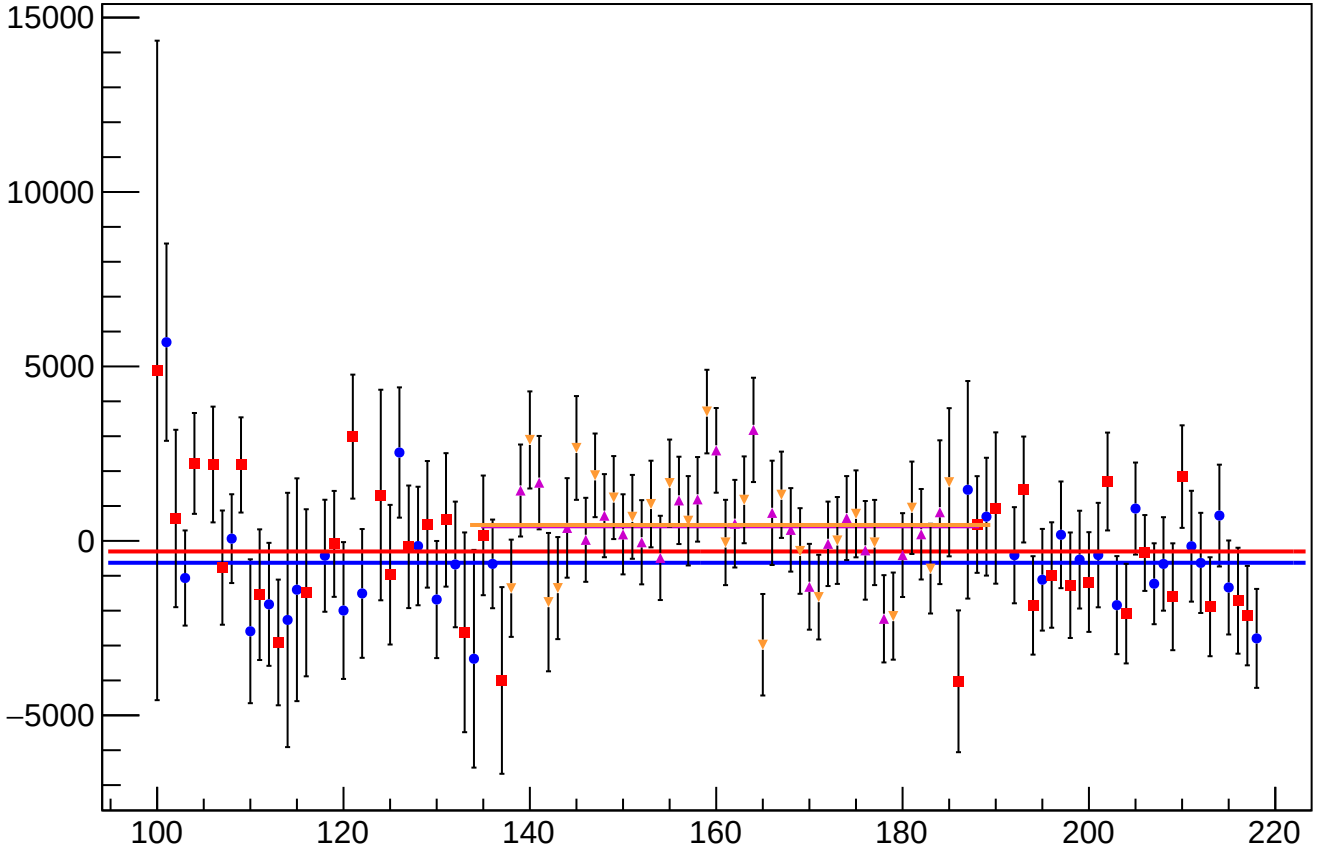
Left In: 3843.328+/-0.648 χ^2/NDF:1196057.8/22

\+ sign 4034.406+/-0.469 χ^2/NDF: 4289500.5/56

All: 3938.011+/-0.327 χ^2/NDF: 10666707.7/1

\- sign 3846.279+/-0.457 χ^2/NDF: 6294669.6/57

eigen_dit_asym_usr_atr2_dd_mean vs Slug



Right In: -627.386+/-281.864 χ^2/NDF: 19.3/31

Left Out: 455.716+/-261.006 χ^2/NDF:36.1/24

Right Out: -303.388+/-280.237 χ^2/NDF: 36.6/34

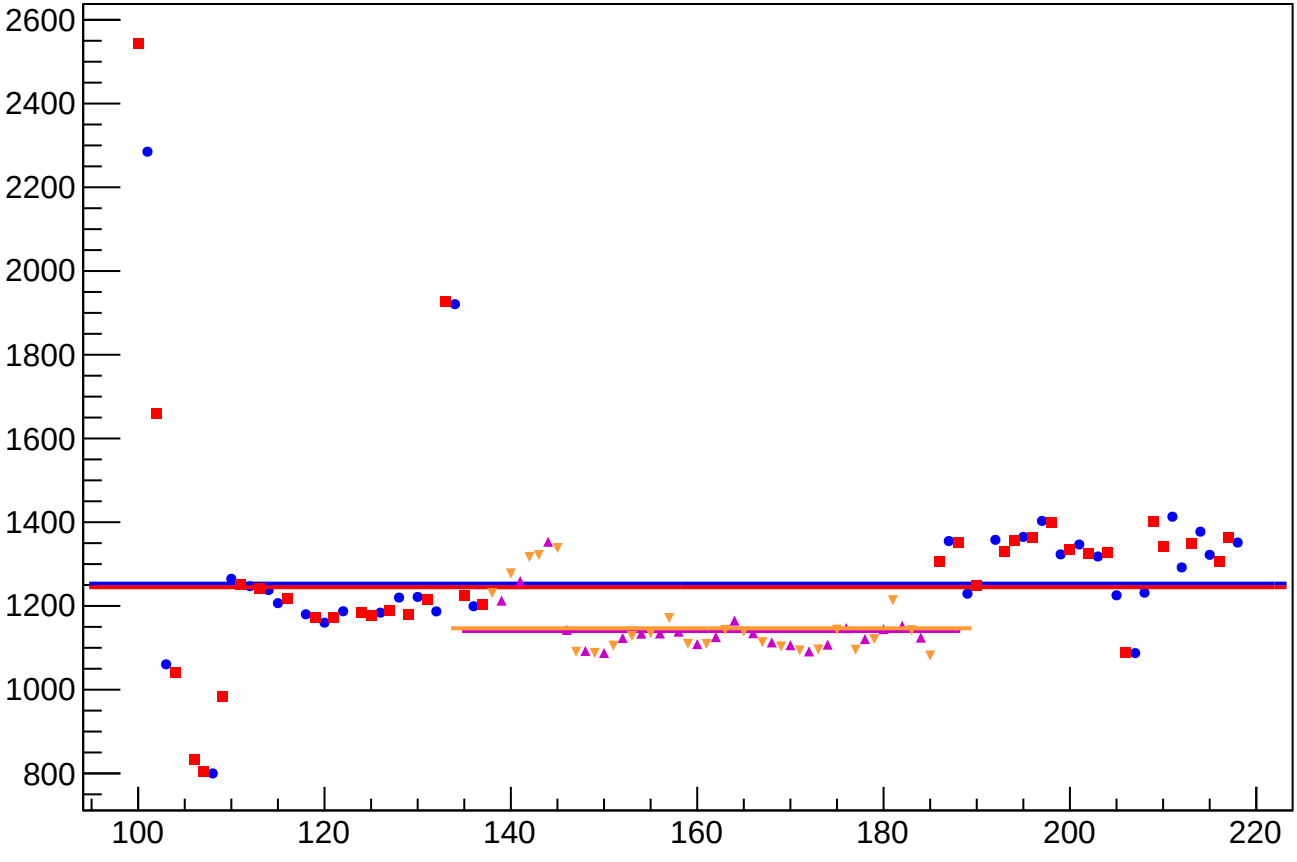
Left In: 417.201+/-266.583 χ^2/NDF:17.3/22

+ sign -44.280+/-191.509 χ^2/NDF: 63.4/56

All: 14.796+/-135.993 χ^2/NDF: 121.0/114

- sign 74.889+/-193.149 χ^2/NDF: 57.4/57

eigen_dit_asym_usr_atr2_dd_rms vs Slug



Right In: 1253.303+/-0.199 χ^2/NDF: 829318.2/31

Left Out: 1146.614+/-0.185 χ^2/NDF:141015.8/24

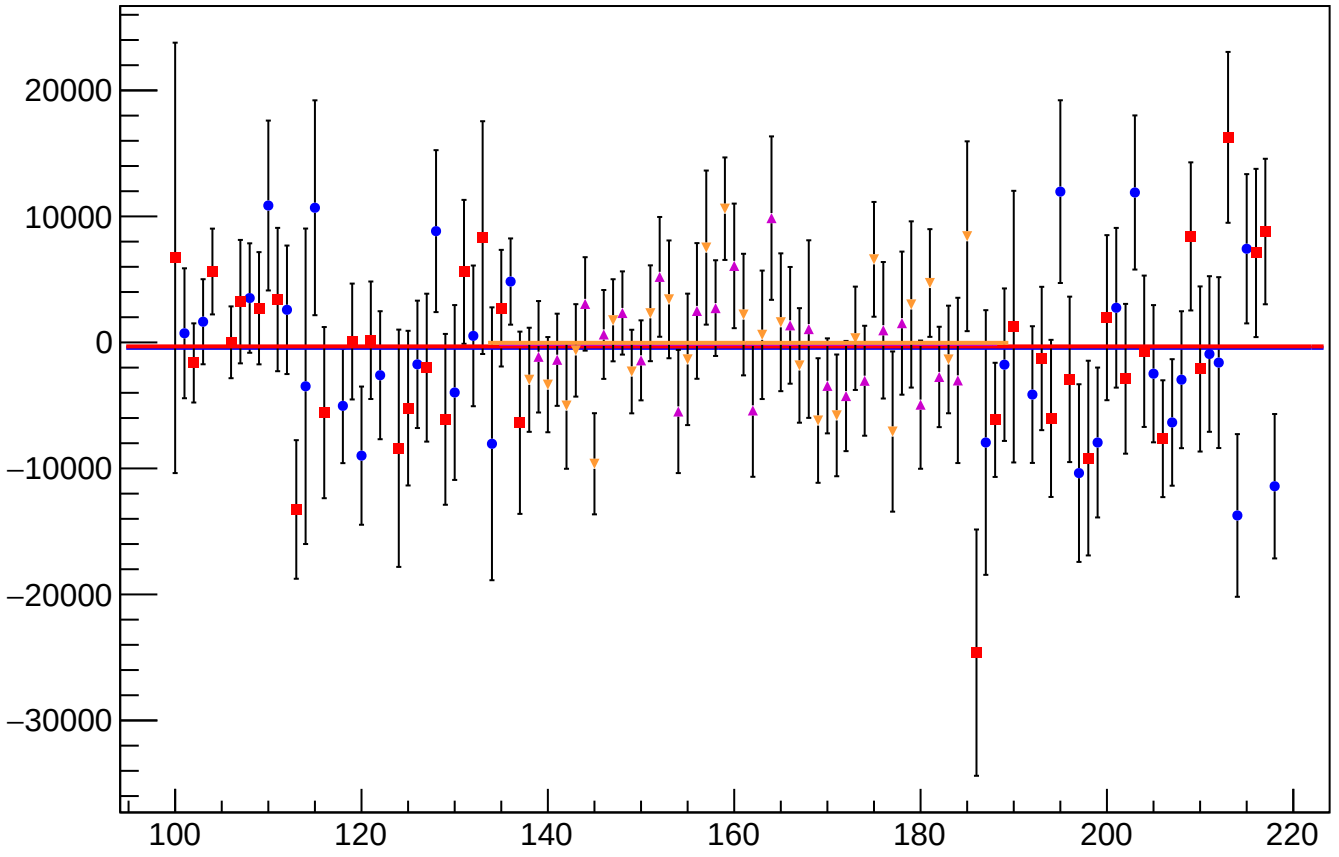
Right Out: 1244.729+/-0.198 χ^2/NDF: 790757.0/34

Left In: 1140.169+/-0.189 χ^2/NDF:84737.2/22

+ sign 1195.865+/-0.135 χ^2/NDF: 1124597.4/56

All: 1192.883+/-0.096 χ^2/NDF: 2147260.9/11

- sign 1189.849+/-0.137 χ^2/NDF: 1021685.1/57



Right In: -430.908+/-991.548 χ^2/NDF: 38.4/31

Left Out: -33.548+/-891.372 χ^2/NDF:27.8/24

Right Out: -315.531+/-913.322 χ^2/NDF: 41.2/34

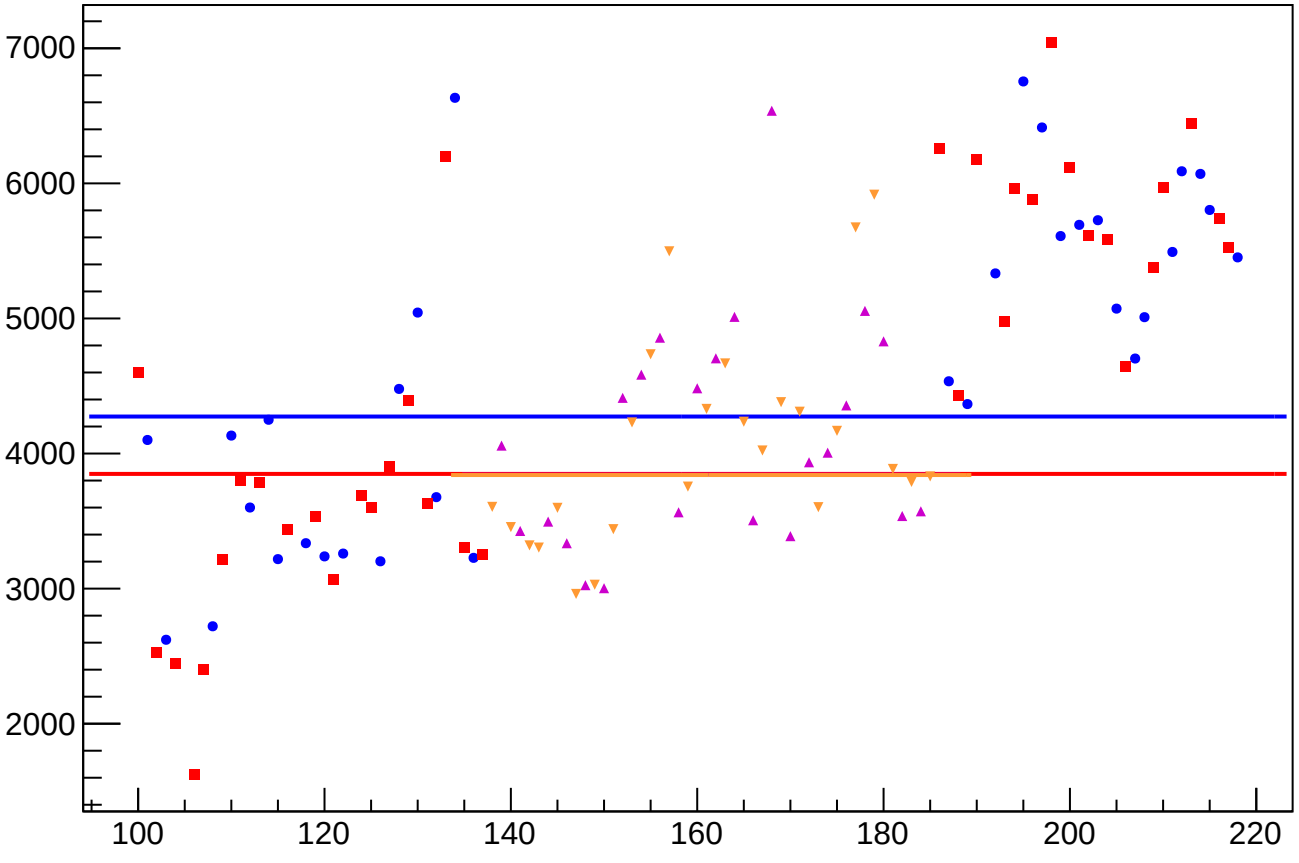
Left In: -121.054+/-915.716 χ^2/NDF:13.8/22

+ sign -211.147+/-662.891 χ^2/NDF: 66.3/56

All: -214.939+/-462.890 χ^2/NDF: 121.3/114

- sign -218.547+/-646.661 χ^2/NDF: 55.0/57

asym_usr_atr2_dd_eigen_dit_correction_rms vs Slug



Right In: 4273.936+/-0.701 χ^2/NDF: 2959811.7/31

Left Out: 3840.836+/-0.630 χ^2/NDF:1118668.2/24

Right Out: 3849.210+/-0.646 χ^2/NDF: 5098601.5/34

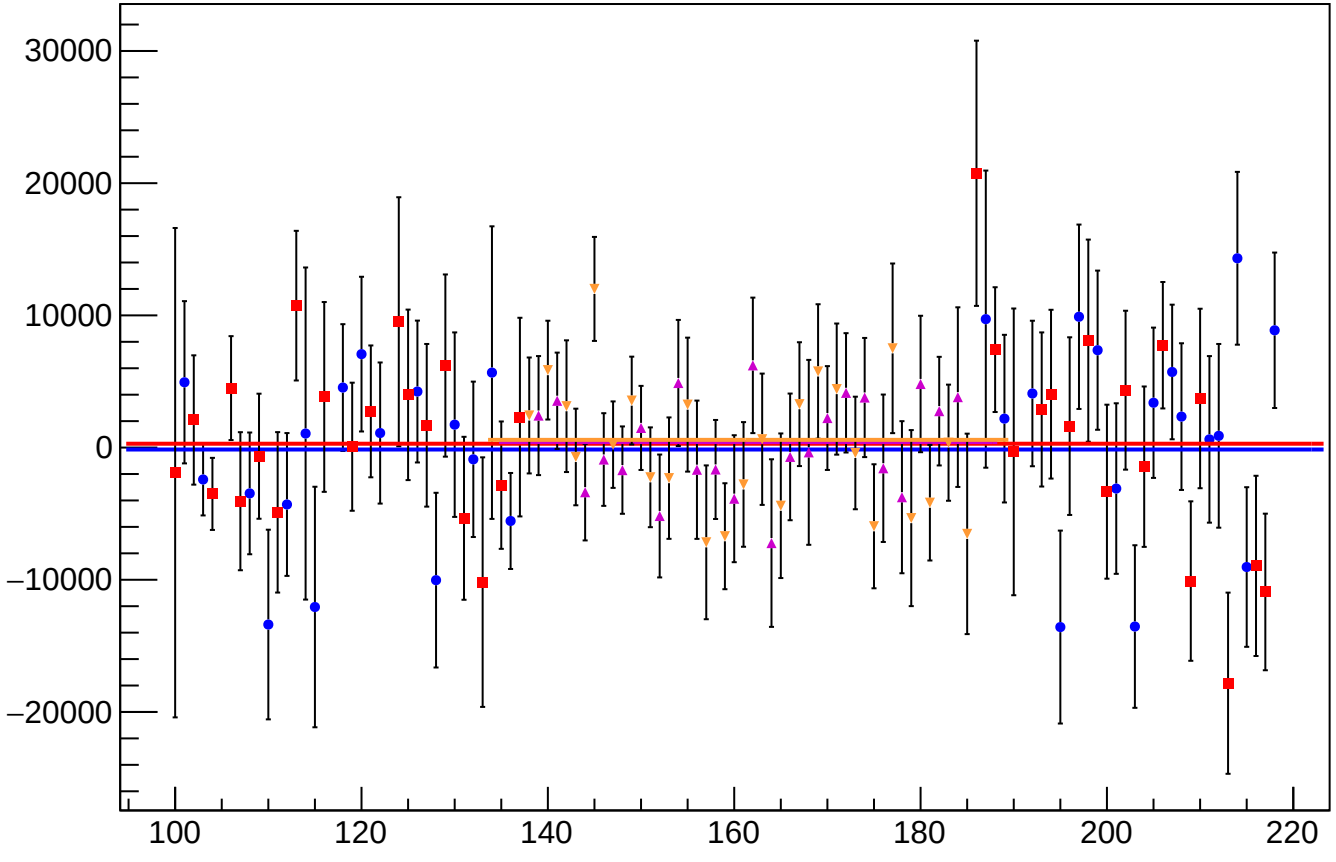
Left In: 3843.333+/-0.648 χ^2/NDF:1196061.6/22

\+ sign 4034.409+/-0.469 χ^2/NDF: 4289510.5/56

All: 3938.013+/-0.327 χ^2/NDF: 10666754.2/1

\- sign 3846.279+/-0.457 χ^2/NDF: 6294704.5/57

asym_usr_atr2_dd_mean vs Slug



Right In: -146.801+/-1004.521 χ^2/NDF: 40.5/31

Left Out: 583.278+/-894.900 χ^2/NDF:27.4/24

Right Out: 291.071+/-968.611 χ^2/NDF: 40.2/34

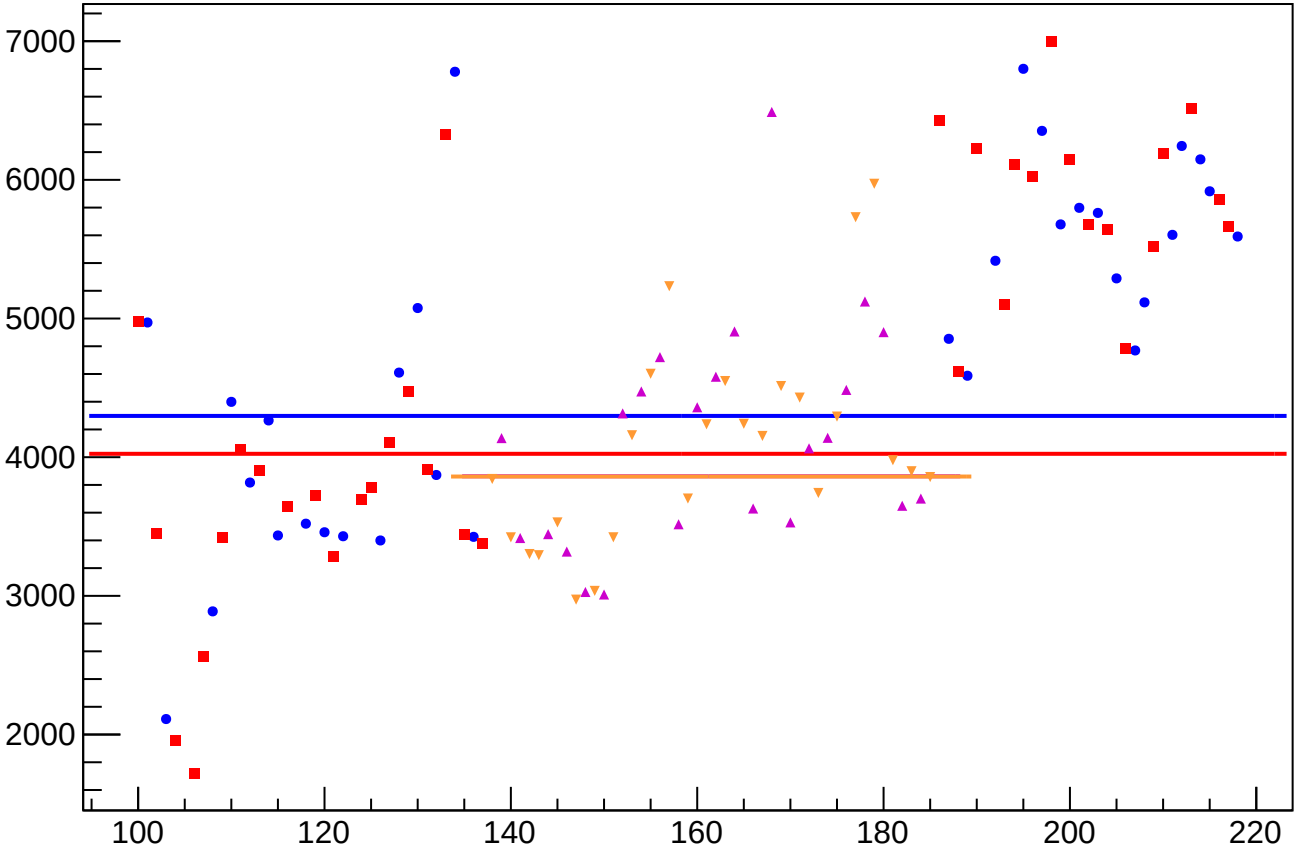
Left In: 416.803+/-919.006 χ^2/NDF:12.5/22

+ sign 260.234+/-668.198 χ^2/NDF: 68.2/56

All: 308.847+/-471.951 χ^2/NDF: 120.9/114

- sign 357.239+/-666.682 χ^2/NDF: 52.7/57

asym_usr_atr2_dd_rms vs Slug



Right In: 4297.671+/-0.710 χ^2/NDF: 3590767.7/31

Left Out: 3860.536+/-0.633 χ^2/NDF:1097292.6/24

Right Out: 4024.395+/-0.678 χ^2/NDF: 4971913.3/34

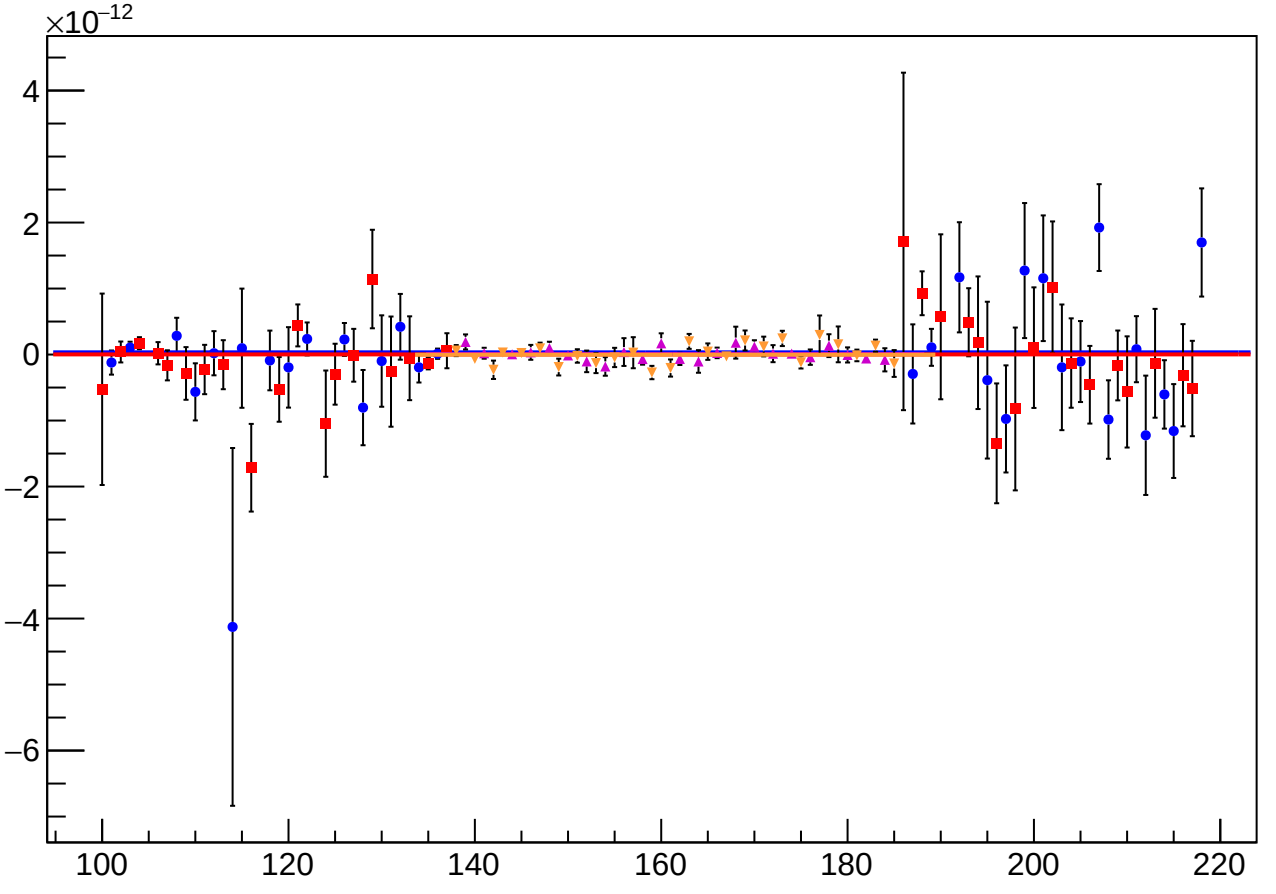
Left In: 3862.339+/-0.650 χ^2/NDF:1142179.8/22

+ sign 4053.959+/-0.472 χ^2/NDF: 4899216.6/56

All: 3996.547+/-0.333 χ^2/NDF: 11072416.2/1

- sign 3939.971+/-0.469 χ^2/NDF: 6143885.2/57

asym_usr_atr2_dd_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 40.2/31

Left Out: -0.000+/-0.000 χ^2/NDF:34.3/24

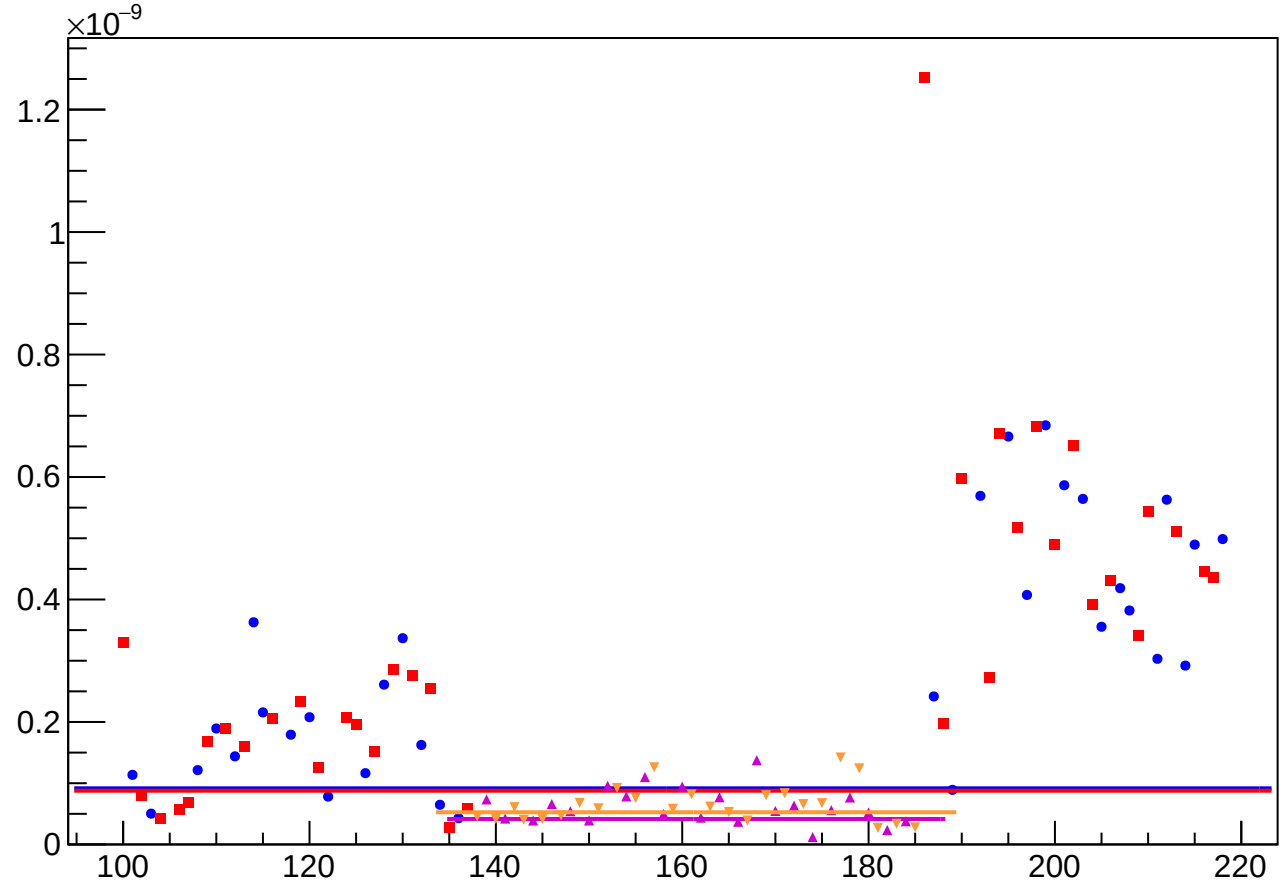
Right Out: 0.000+/-0.000 χ^2/NDF: 36.9/34

Left In: 0.000+/-0.000 χ^2/NDF:12.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 74.9/56

All: 0.000+/-0.000 χ^2/NDF: 124.7/114

- sign 0.000+/-0.000 χ^2/NDF: 49.8/57



Right In: 0.000+/-0.000 χ^2/NDF: 9012625.4/31

Left Out: 0.000+/-0.000 χ^2/NDF:1611629.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10111546.9/34

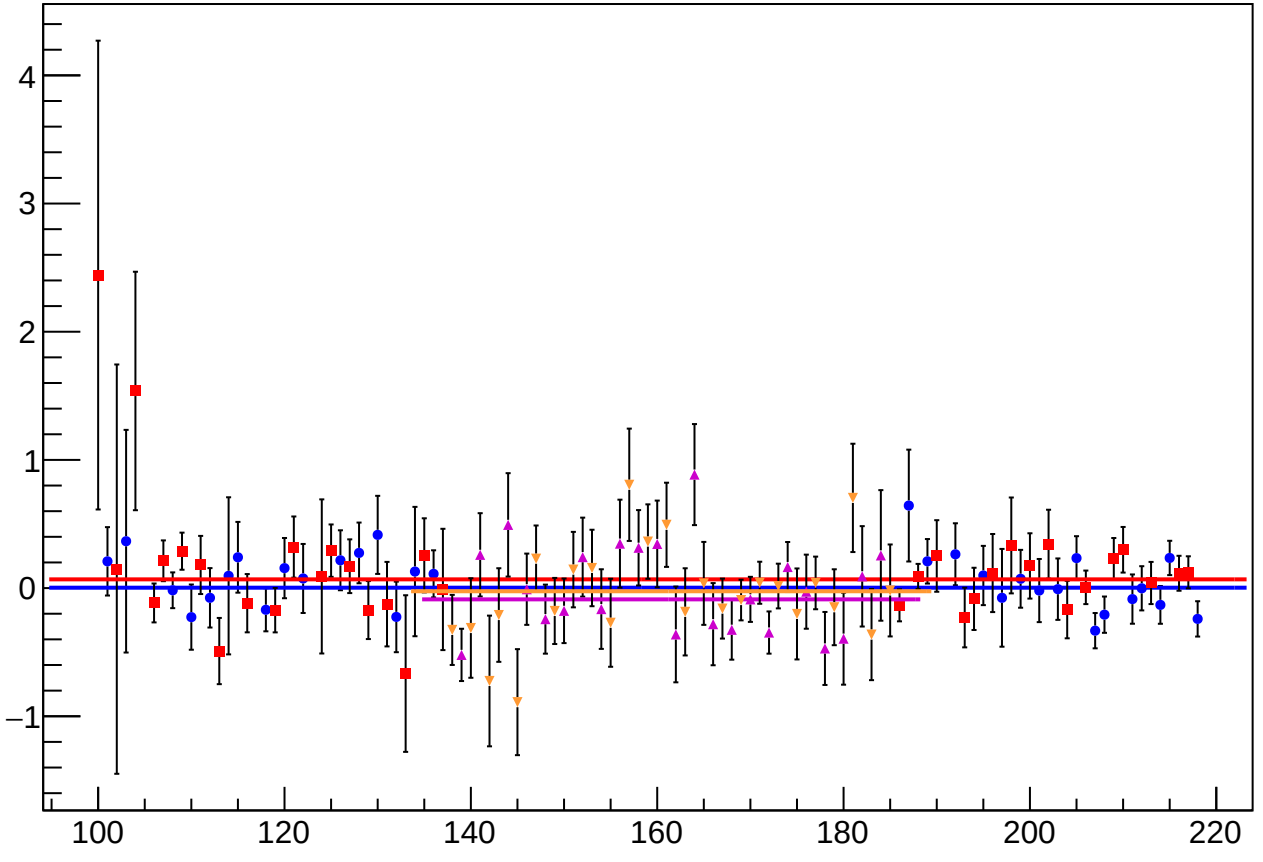
Left In: 0.000+/-0.000 χ^2/NDF:2939628.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 11781820.8/56

All: 0.000+/-0.000 χ^2/NDF: 26800456.5/114

- sign 0.000+/-0.000 χ^2/NDF: 14663365.2/57

asym_usr_atr2_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.003+/-0.036 χ^2/NDF: 31.3/31

Left Out: -0.025+/-0.055 χ^2/NDF:24.1/24

Right Out: 0.068+/-0.033 χ^2/NDF: 33.4/34

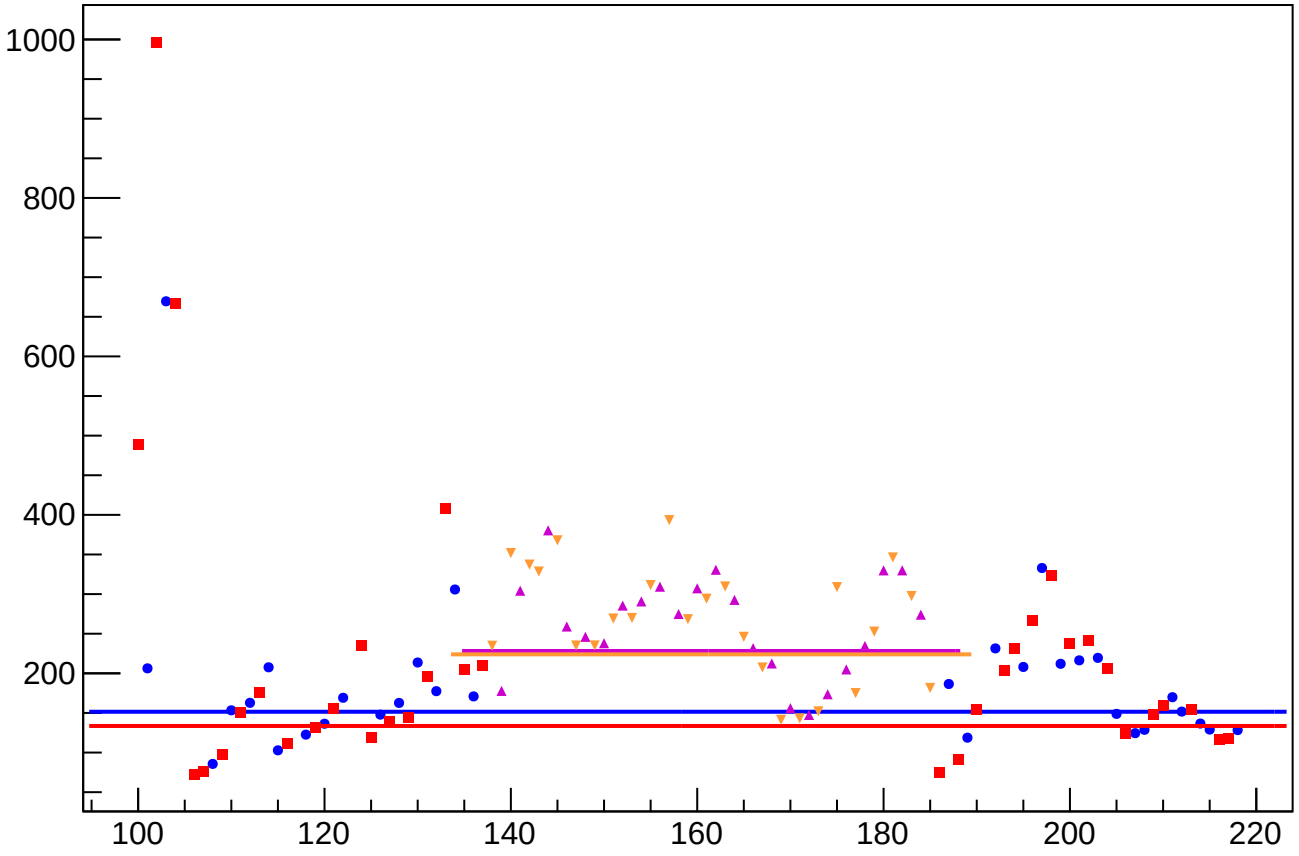
Left In: -0.088+/-0.057 χ^2/NDF:30.0/22

+ sign -0.005+/-0.030 χ^2/NDF: 55.5/56

All: 0.012+/-0.021 χ^2/NDF: 125.3/114

- sign 0.028+/-0.029 χ^2/NDF: 69.1/57

asym_usr_atr2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 151.500+/-0.026 χ^2/NDF: 3315376.2/31

Left Out: 223.945+/-0.039 χ^2/NDF:3438444.8/24

Right Out: 133.558+/-0.024 χ^2/NDF: 6131160.1/34

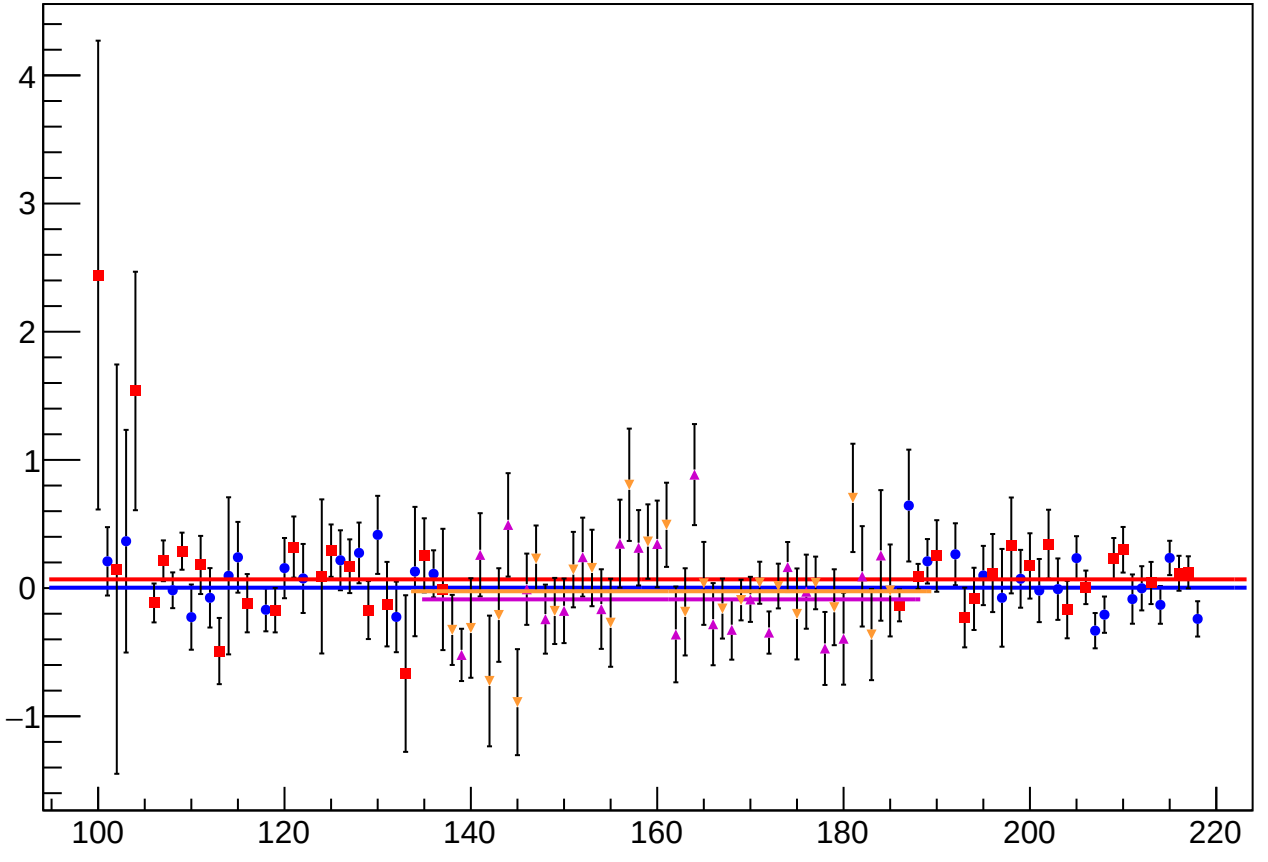
Left In: 228.199+/-0.040 χ^2/NDF:2488915.3/22

+ sign 173.596+/-0.021 χ^2/NDF: 9200867.4/56

All: 165.350+/-0.015 χ^2/NDF: 22253109.6/11

- sign 157.871+/-0.020 χ^2/NDF: 12766993.7/57

asym_usr_atr2_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.003+/-0.036 χ^2/NDF: 31.3/31

Left Out: -0.025+/-0.055 χ^2/NDF:24.1/24

Right Out: 0.068+/-0.033 χ^2/NDF: 33.4/34

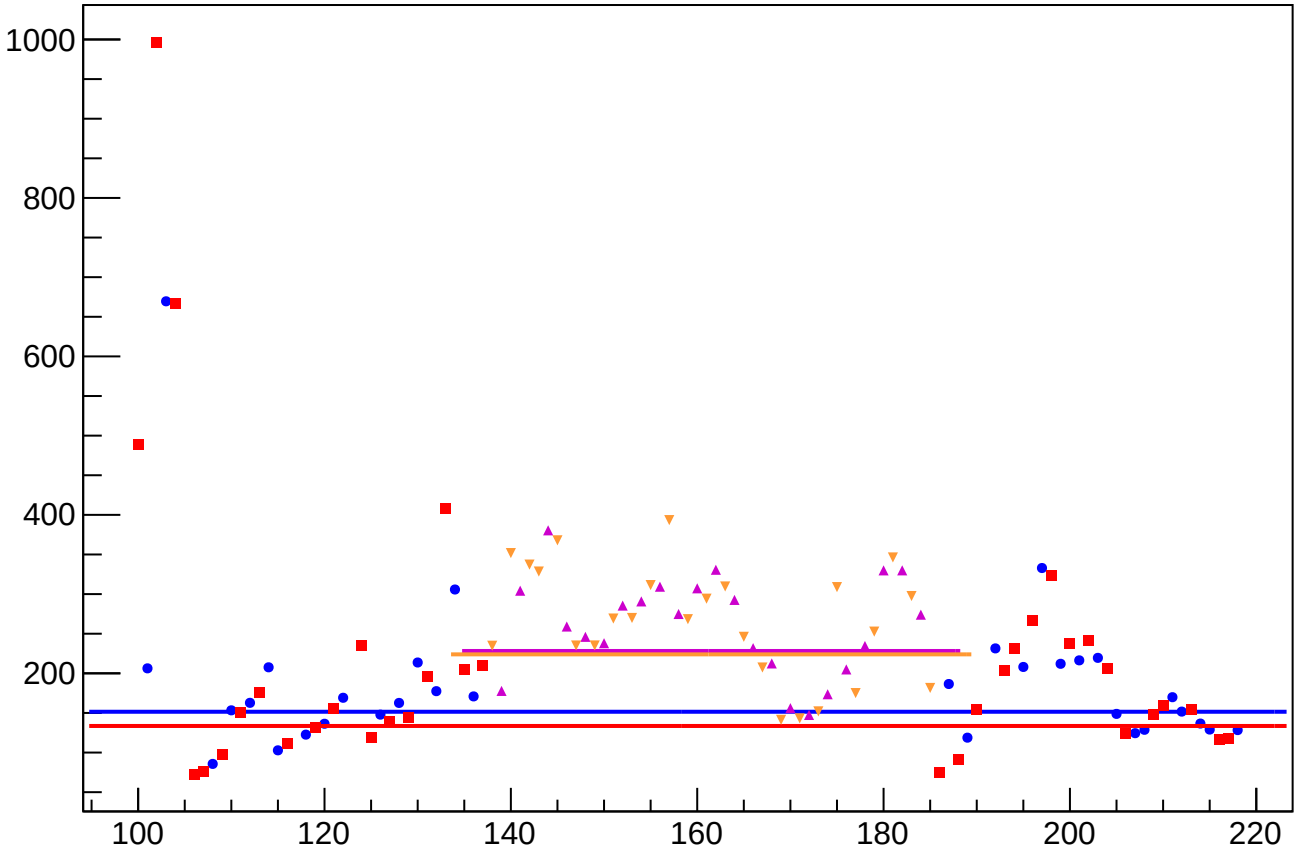
Left In: -0.088+/-0.057 χ^2/NDF:30.0/22

+ sign -0.005+/-0.030 χ^2/NDF: 55.5/56

All: 0.012+/-0.021 χ^2/NDF: 125.3/114

- sign 0.028+/-0.029 χ^2/NDF: 69.1/57

asym_usr_atr2_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 151.500+/-0.026 χ^2/NDF: 3315376.2/31

Left Out: 223.945+/-0.039 χ^2/NDF:3438444.8/24

Right Out: 133.558+/-0.024 χ^2/NDF: 6131160.1/34

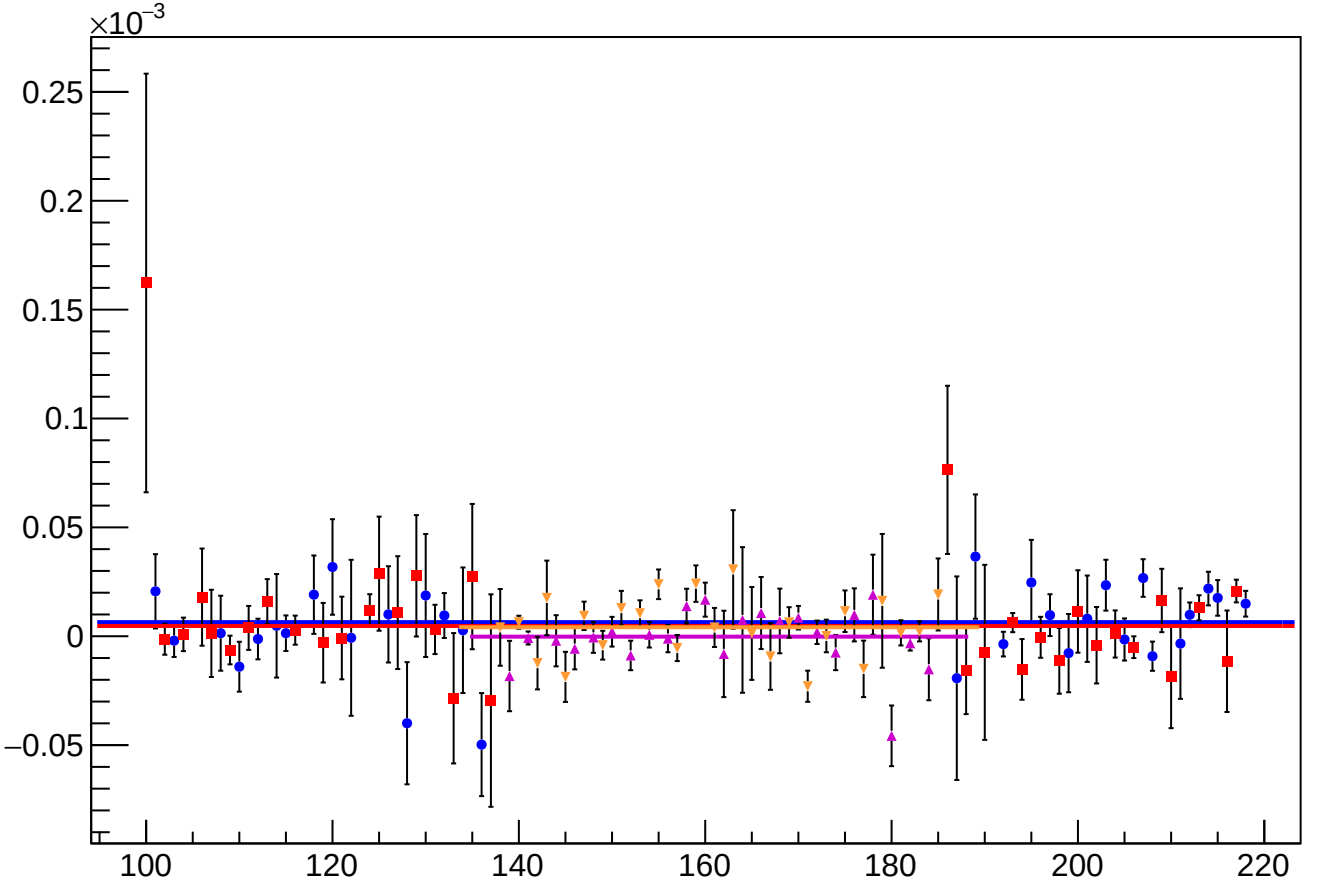
Left In: 228.199+/-0.040 χ^2/NDF:2488915.3/22

+ sign 173.596+/-0.021 χ^2/NDF: 9200867.4/56

All: 165.350+/-0.015 χ^2/NDF: 22253109.6/11

- sign 157.871+/-0.020 χ^2/NDF: 12766993.7/57

asym_usr_atr2_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 45.2/31

Left Out: 0.000+/-0.000 χ^2/NDF:48.8/24

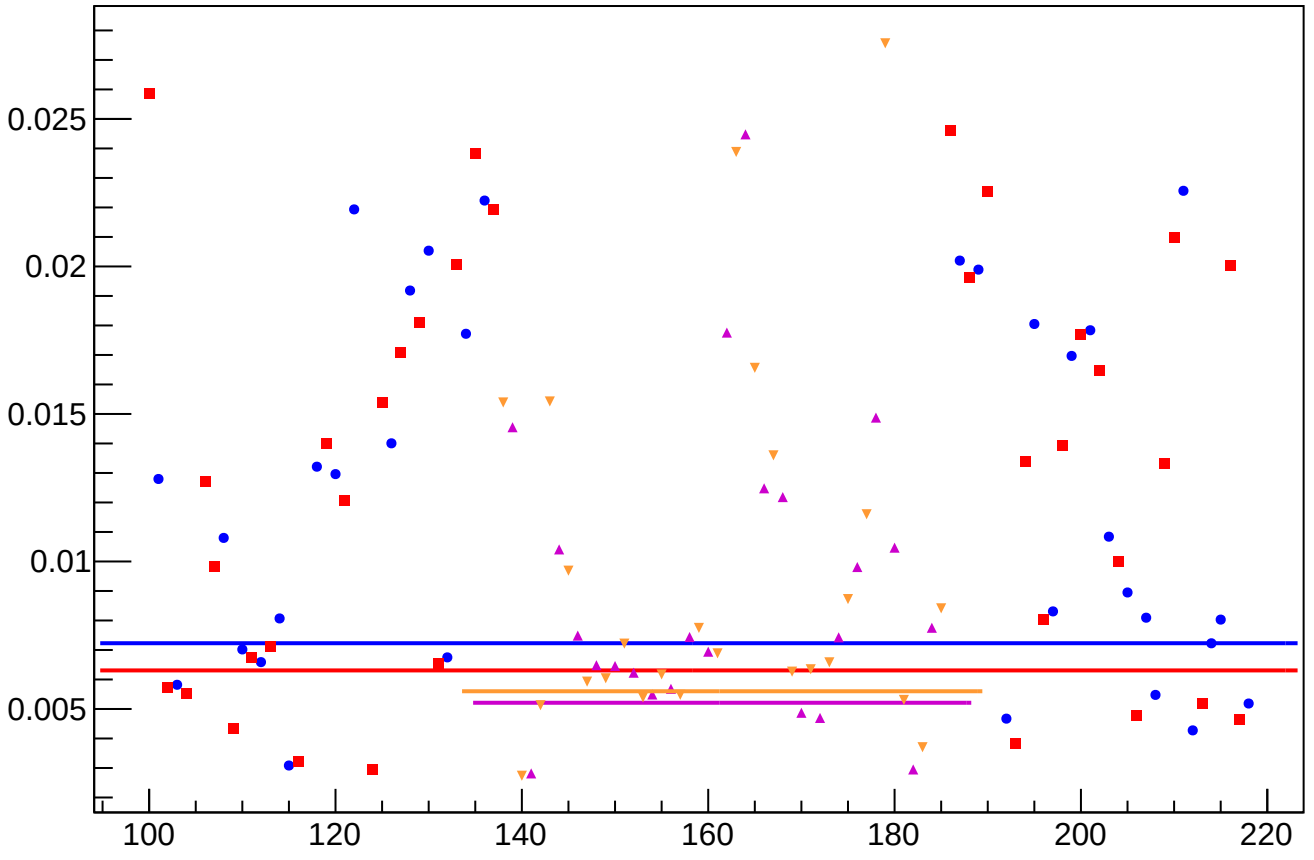
Right Out: 0.000+/-0.000 χ^2/NDF: 39.3/34

Left In: -0.000+/-0.000 χ^2/NDF:30.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 95.0/56

All: 0.000+/-0.000 χ^2/NDF: 173.2/114

- sign 0.000+/-0.000 χ^2/NDF: 74.2/57



Right In: 0.007+/-0.000 χ^2/NDF: 8355645.2/31

Left Out: 0.006+/-0.000 χ^2/NDF:7769287.5/24

Right Out: 0.006+/-0.000 χ^2/NDF: 11446663.9/34

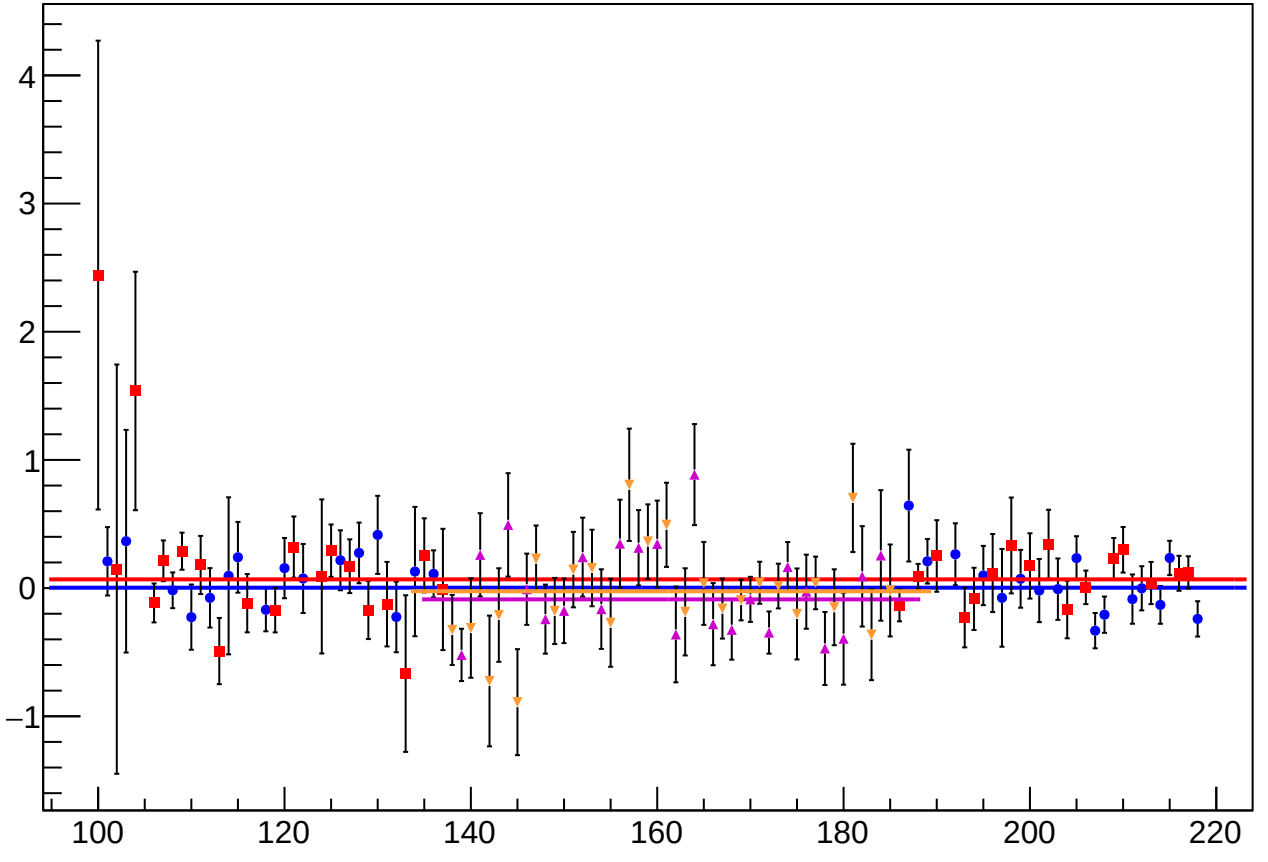
Left In: 0.005+/-0.000 χ^2/NDF:7460452.2/22

\+ sign 0.006+/-0.000 χ^2/NDF: 17054940.2/56

All: 0.006+/-0.000 χ^2/NDF: 36688901.9/114

\- sign 0.006+/-0.000 χ^2/NDF: 19397350.2/57

asym_usr_atr2_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.003+/-0.036 χ^2/NDF: 31.3/31

Left Out: -0.025+/-0.055 χ^2/NDF:24.1/24

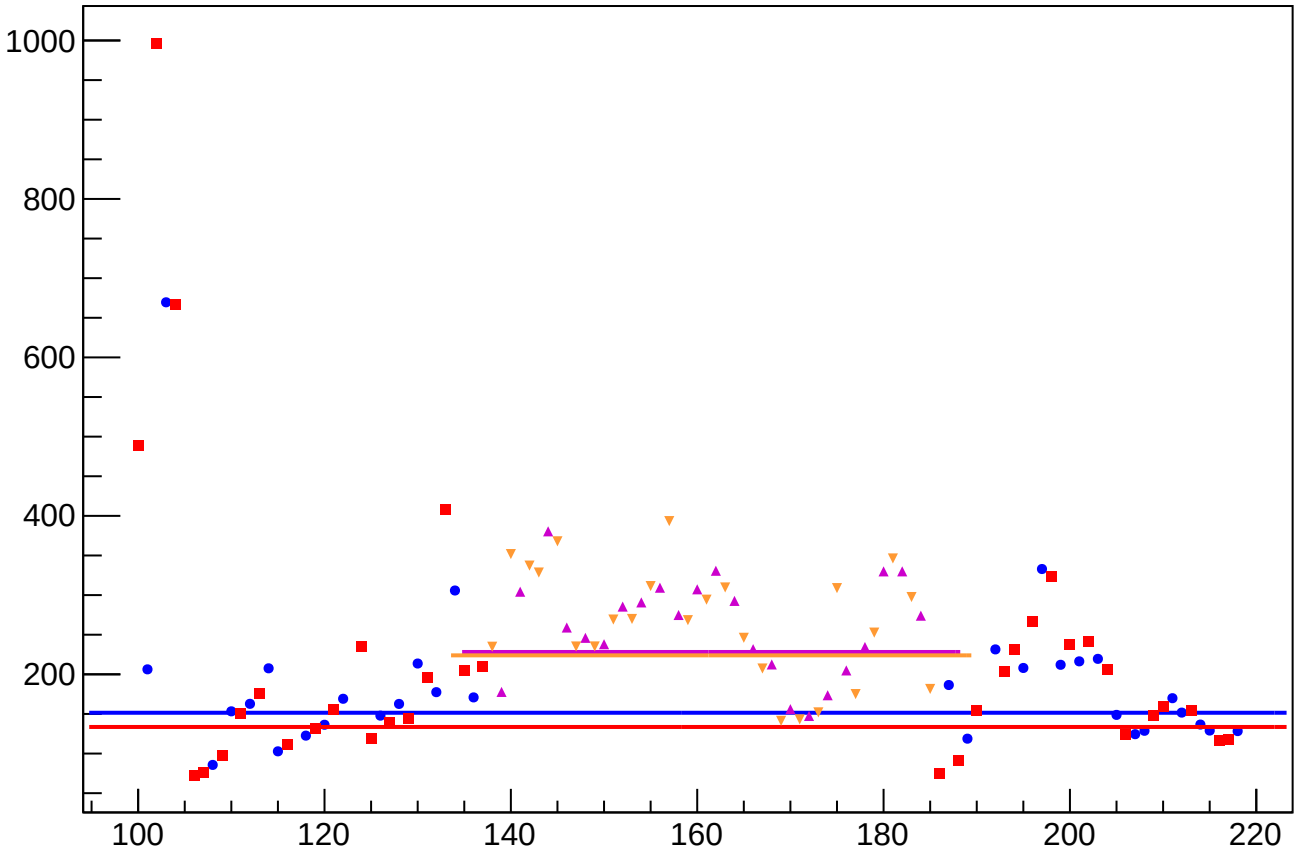
Right Out: 0.068+/-0.033 χ^2/NDF: 33.4/34

Left In: -0.088+/-0.057 χ^2/NDF:30.0/22

+ sign -0.005+/-0.030 χ^2/NDF: 55.5/56

All: 0.012+/-0.021 χ^2/NDF: 125.3/114

- sign 0.028+/-0.029 χ^2/NDF: 69.1/57



Right In: 151.498+/-0.026 χ^2/NDF: 3315541.0/31

Left Out: 223.946+/-0.039 χ^2/NDF:3438541.7/24

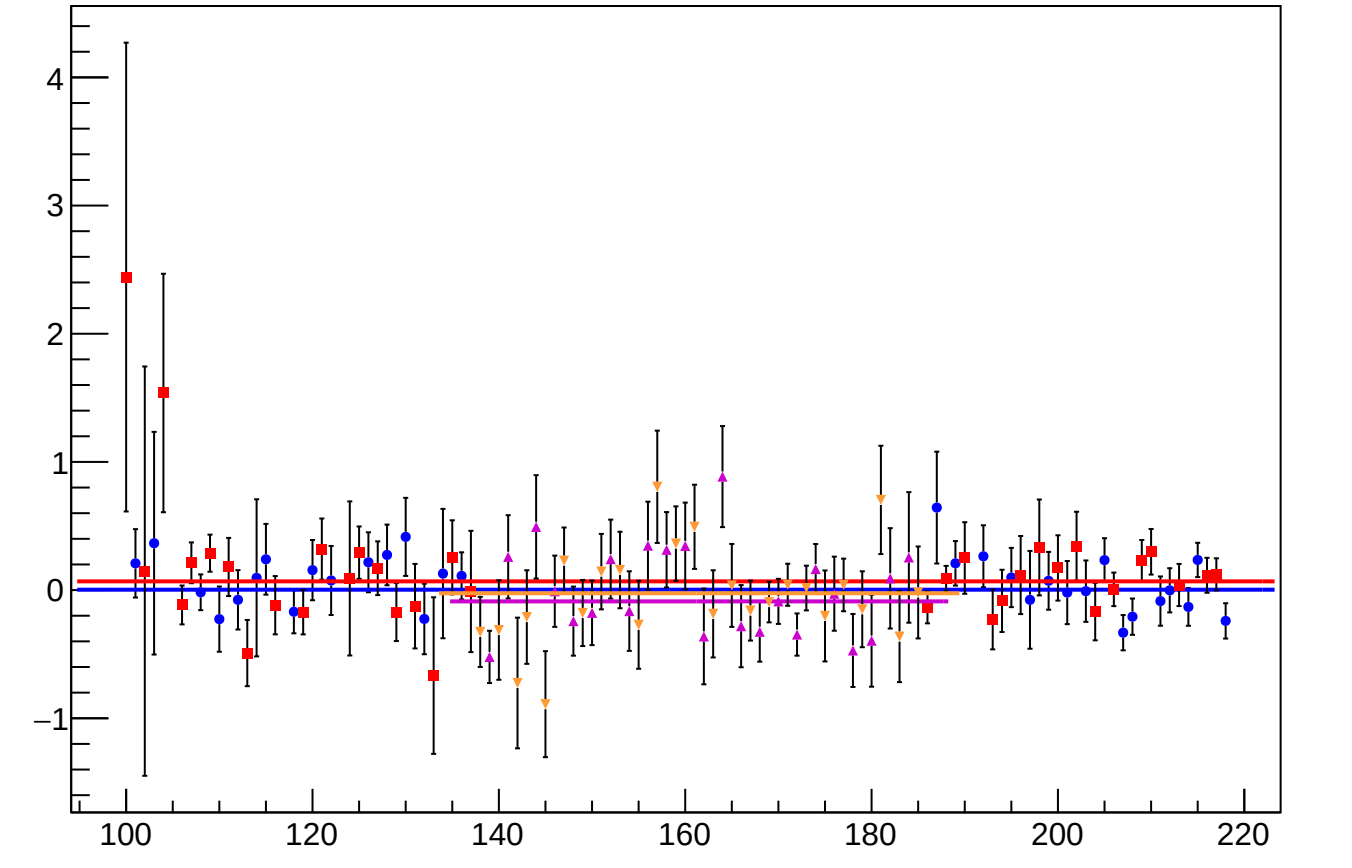
Right Out: 133.562+/-0.024 χ^2/NDF: 6130632.6/34

Left In: 228.201+/-0.040 χ^2/NDF:2488951.6/22

+ sign 173.595+/-0.021 χ^2/NDF: 9201349.5/56

All: 165.351+/-0.015 χ^2/NDF: 22252713.6/1

- sign 157.874+/-0.020 χ^2/NDF: 12766286.4/57



Right In: 0.003+/-0.036 χ^2/NDF: 31.3/31

Left Out: -0.025+/-0.055 χ^2/NDF:24.1/24

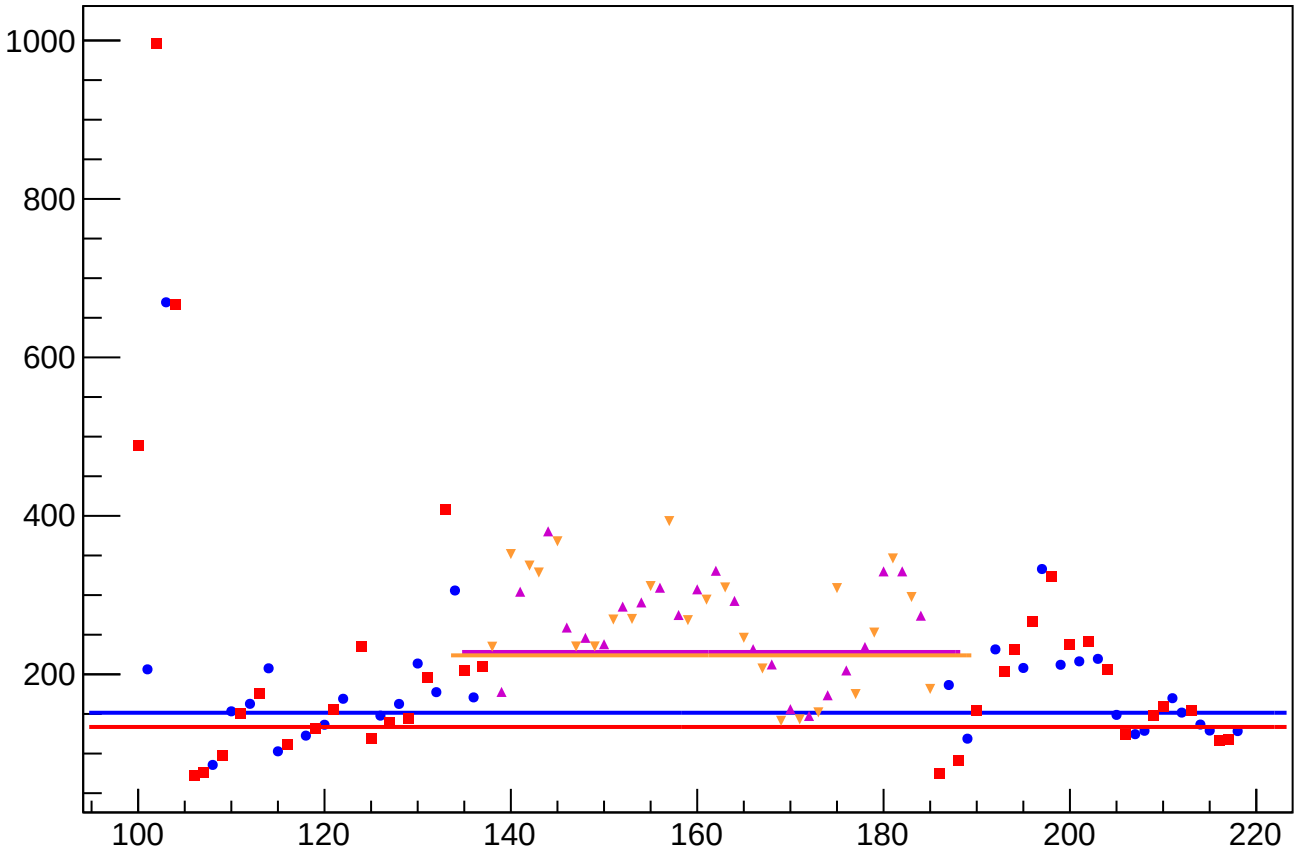
Right Out: 0.068+/-0.033 χ^2/NDF: 33.4/34

Left In: -0.088+/-0.057 χ^2/NDF:30.0/22

+ sign -0.005+/-0.030 χ^2/NDF: 55.5/56

All: 0.012+/-0.021 χ^2/NDF: 125.3/114

- sign 0.028+/-0.029 χ^2/NDF: 69.1/57



Right In: 151.498+/-0.026 χ^2/NDF: 3315541.0/31

Left Out: 223.946+/-0.039 χ^2/NDF:3438541.7/24

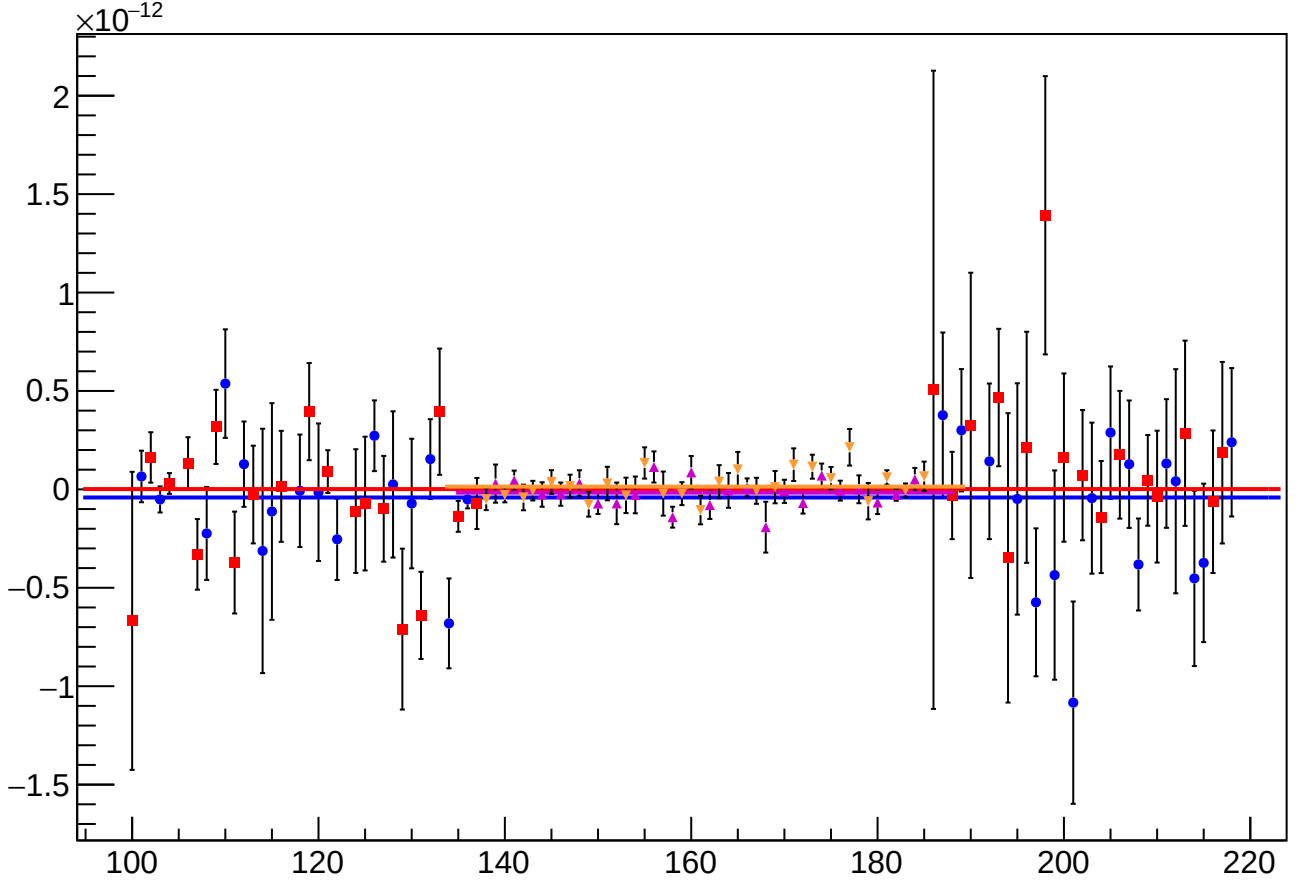
Right Out: 133.562+/-0.024 χ^2/NDF: 6130632.6/34

Left In: 228.201+/-0.040 χ^2/NDF:2488951.6/22

+ sign 173.595+/-0.021 χ^2/NDF: 9201349.5/56

All: 165.351+/-0.015 χ^2/NDF: 22252713.6/11

- sign 157.874+/-0.020 χ^2/NDF: 12766286.4/57



Right In: -0.000+/-0.000 χ^2/NDF: 34.3/31

Left Out: 0.000+/-0.000 χ^2/NDF:25.3/24

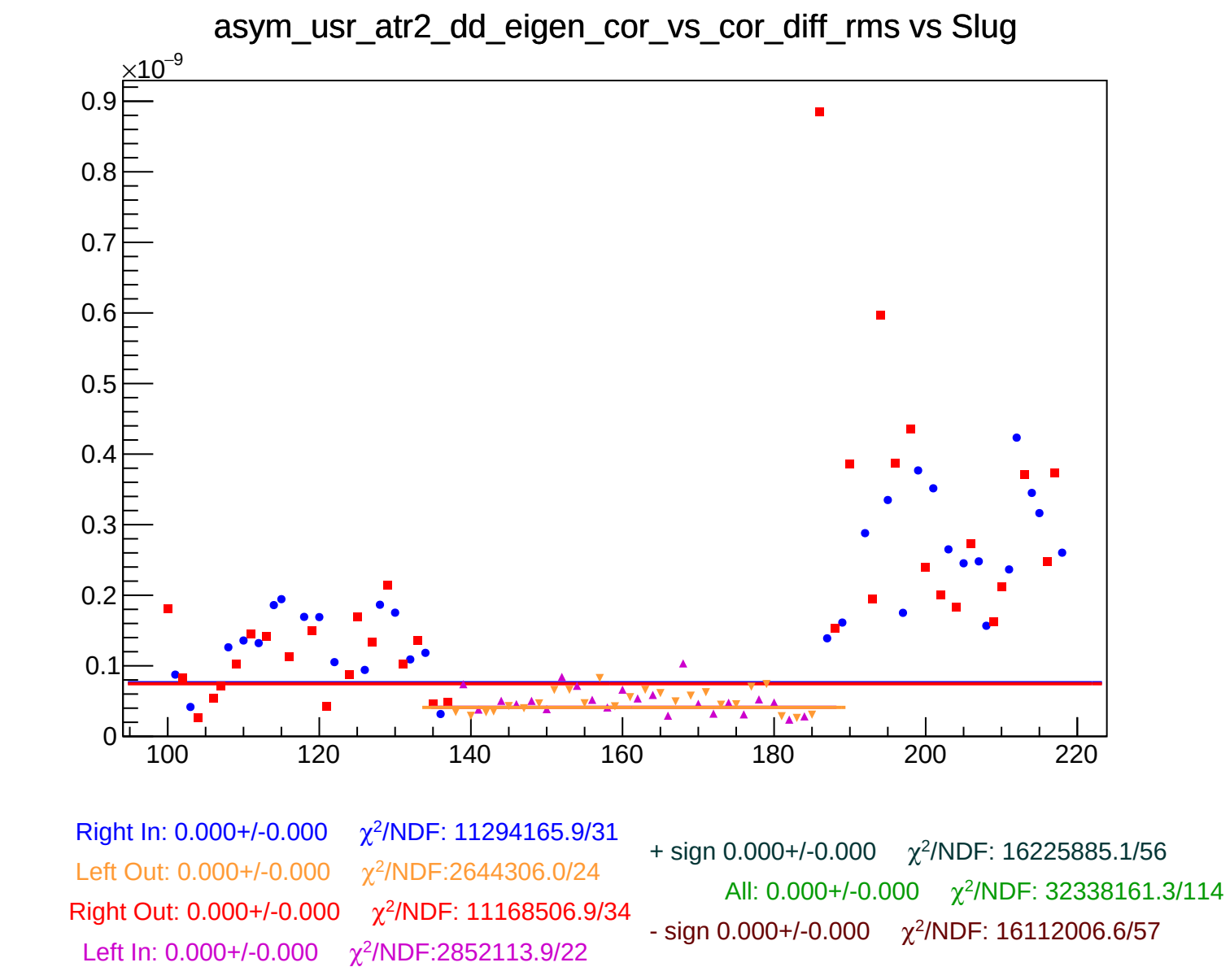
Right Out: 0.000+/-0.000 χ^2/NDF: 39.5/34

Left In: -0.000+/-0.000 χ^2/NDF:21.7/22

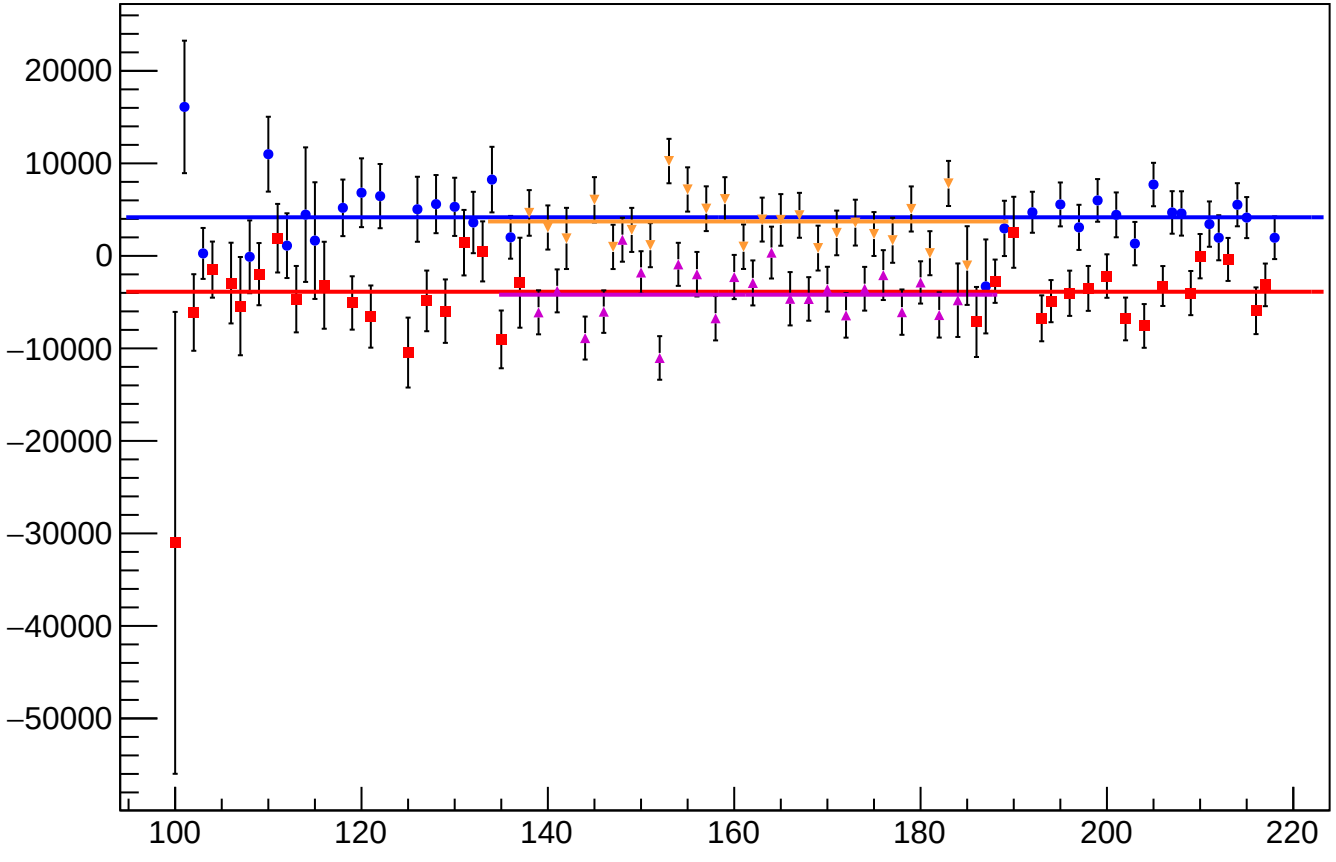
+ sign 0.000+/-0.000 χ^2/NDF: 62.5/56

All: -0.000+/-0.000 χ^2/NDF: 125.7/114

- sign -0.000+/-0.000 χ^2/NDF: 61.5/57


asym_usr_atr2_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 11294165.9/31
Left Out: 0.000+/-0.000 χ²/NDF:2644306.0/24
Right Out: 0.000+/-0.000 χ²/NDF: 11168506.9/34
Left In: 0.000+/-0.000 χ²/NDF:2852113.9/22
+ sign 0.000+/-0.000 χ²/NDF: 16225885.1/56
All: 0.000+/-0.000 χ²/NDF: 32338161.3/114
- sign 0.000+/-0.000 χ²/NDF: 16112006.6/57

reg_asym_us_avg_at1lr_avg_avg_mean vs Slug



Right In: 4172.338+/-499.894 χ^2/NDF: 23.0/31

Left Out: 3723.486+/-507.155 χ^2/NDF:25.4/23

Right Out: -3876.911+/-501.767 χ^2/NDF: 31.8/33

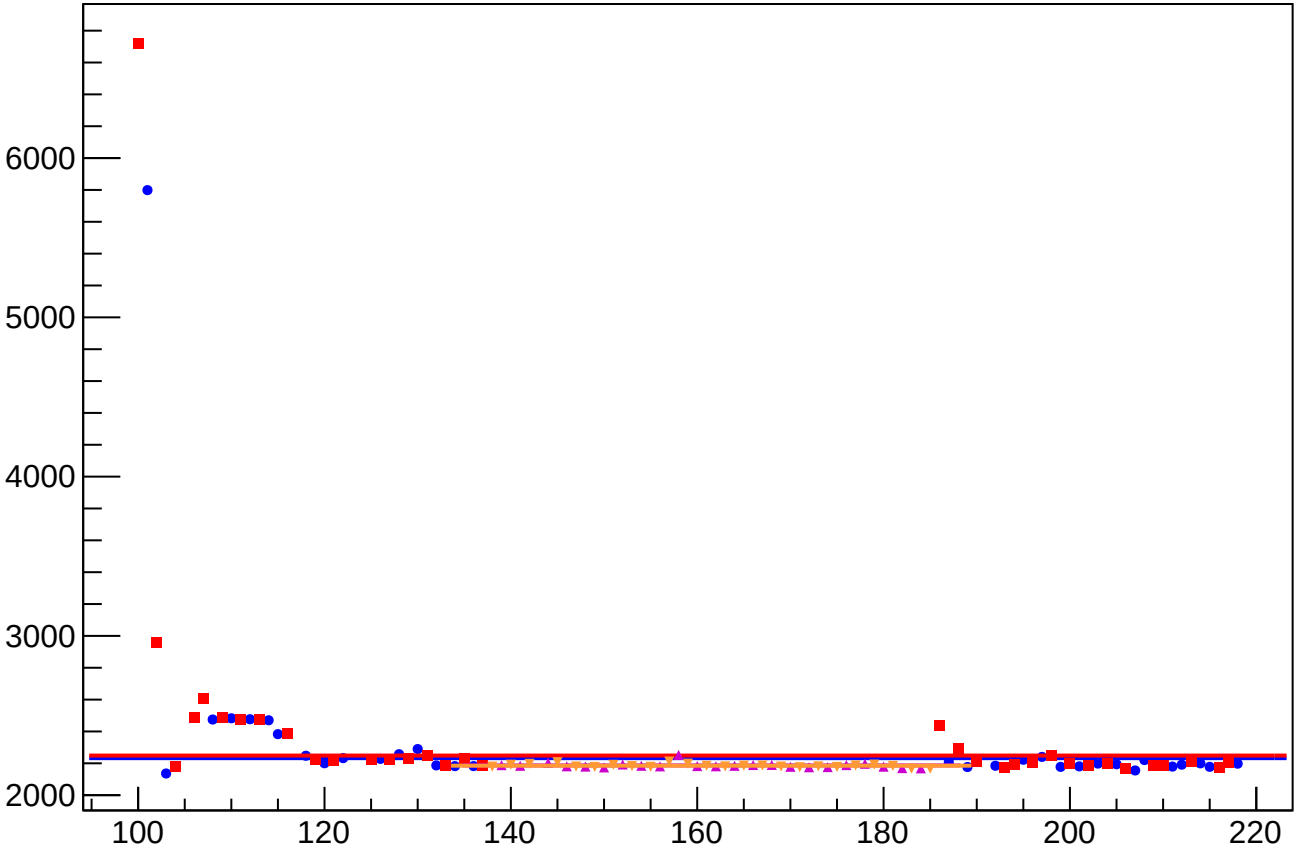
Left In: -4195.942+/-510.578 χ^2/NDF:32.1/22

+ sign 3951.148+/-356.018 χ^2/NDF: 48.8/55

All: -20.452+/-252.398 χ^2/NDF: 363.1/112

- sign -4033.650+/-357.877 χ^2/NDF: 64.1/56

reg_asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 2232.435+/-0.353 χ^2/NDF: 540081.3/31

Left Out: 2185.133+/-0.359 χ^2/NDF:815.1/23

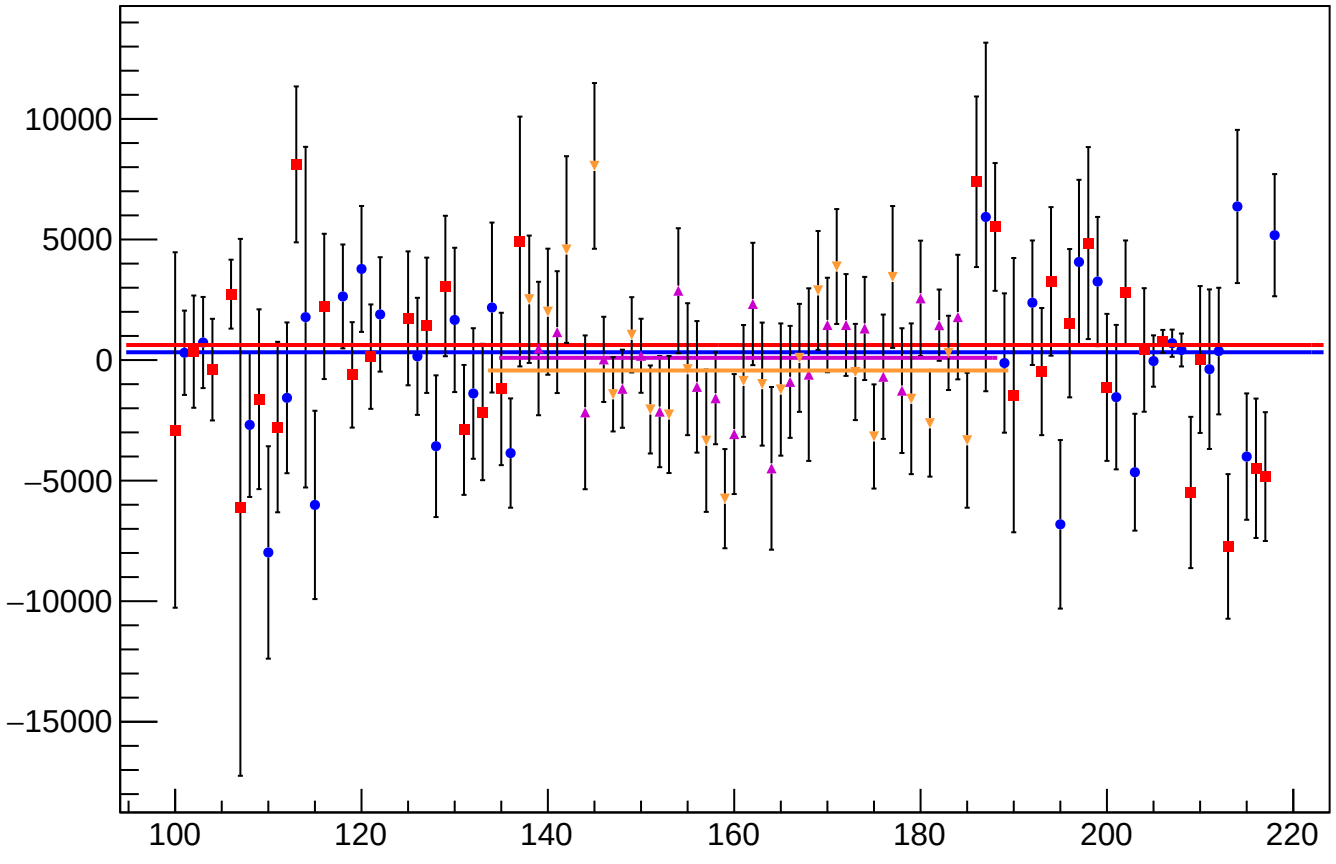
Right Out: 2248.692+/-0.355 χ^2/NDF: 189832.5/33

Left In: 2186.745+/-0.361 χ^2/NDF:2063.9/22

+ sign 2209.125+/-0.252 χ^2/NDF: 549721.1/55

All: 2213.667+/-0.178 χ^2/NDF: 757248.2/112

- sign 2218.258+/-0.253 χ^2/NDF: 206872.5/56



Right In: 323.829+/-316.253 χ^2/NDF: 40.1/31

Left Out: -432.286+/-462.383 χ^2/NDF:31.3/23

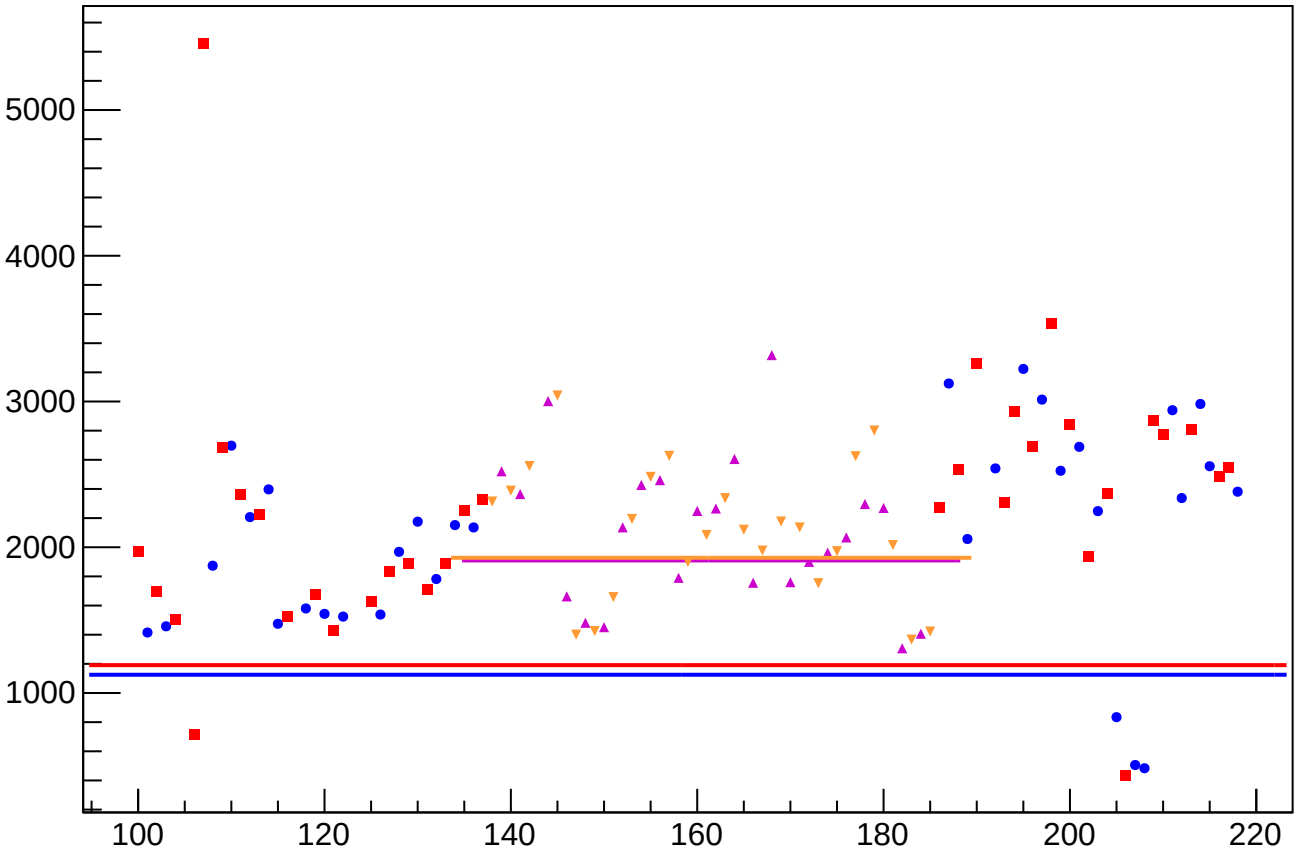
Right Out: 623.675+/-339.983 χ^2/NDF: 44.7/33

Left In: 92.649+/-460.669 χ^2/NDF:12.8/22

+ sign 82.847+/-261.036 χ^2/NDF: 73.2/55

All: 251.364+/-188.850 χ^2/NDF: 132.4/112

- sign 436.428+/-273.551 χ^2/NDF: 58.3/56



Right In: 1125.178+/-0.224 χ^2/NDF: 13116354.7/31

Left Out: 1927.660+/-0.327 χ^2/NDF:1798383.1/23

Right Out: 1191.155+/-0.240 χ^2/NDF: 14473601.4/33

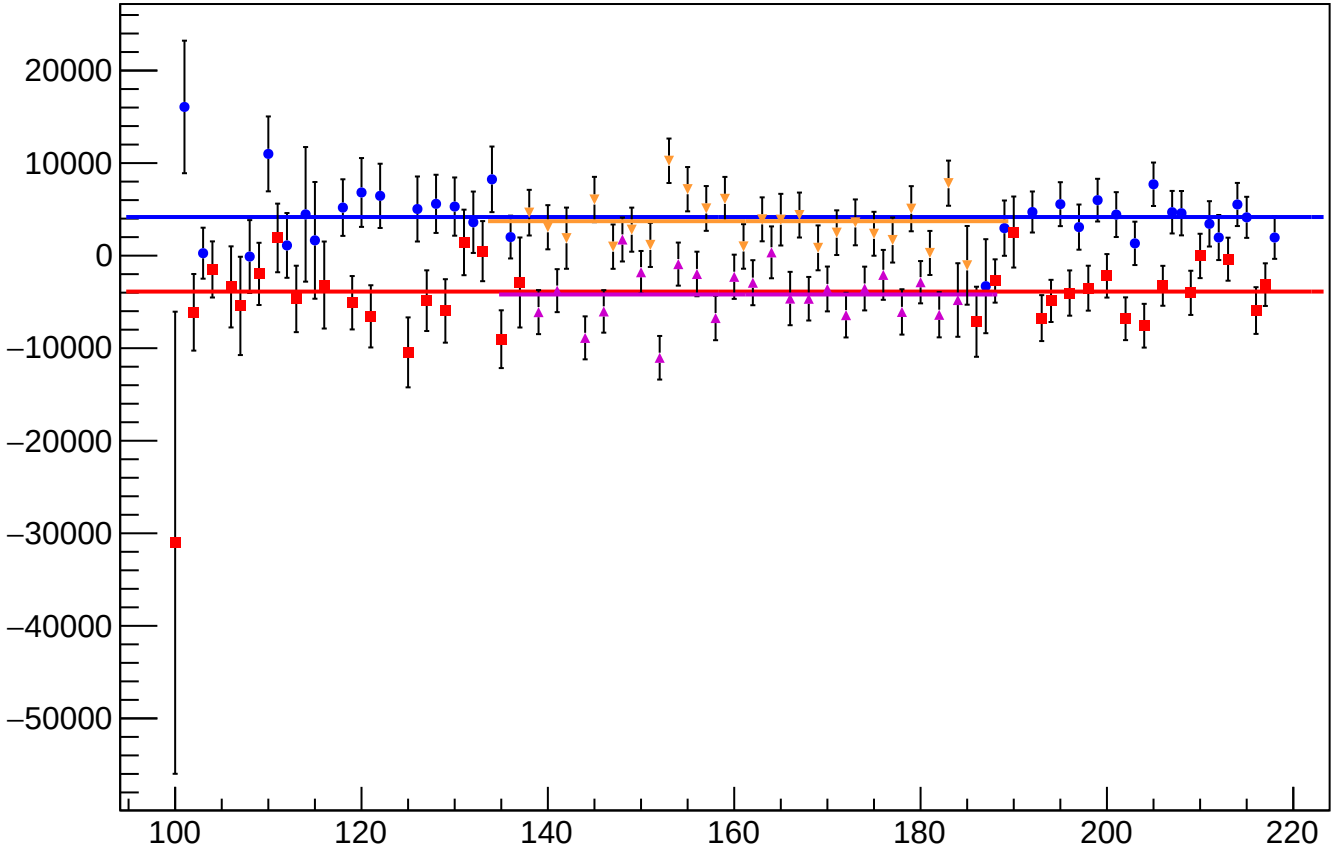
Left In: 1909.612+/-0.326 χ^2/NDF:1942264.8/22

+ sign 1380.938+/-0.185 χ^2/NDF: 19018938.5/55

All: 1411.228+/-0.134 χ^2/NDF: 38640635.8/1

- sign 1444.493+/-0.193 χ^2/NDF: 19565191.7/56

cor_asym_us_avg_at1lr_avg_avg_mean vs Slug



Right In: 4172.109+/-499.894 χ^2/NDF: 23.0/31

Left Out: 3723.433+/-507.155 χ^2/NDF:25.4/23

Right Out: -3882.928+/-501.796 χ^2/NDF: 31.8/33

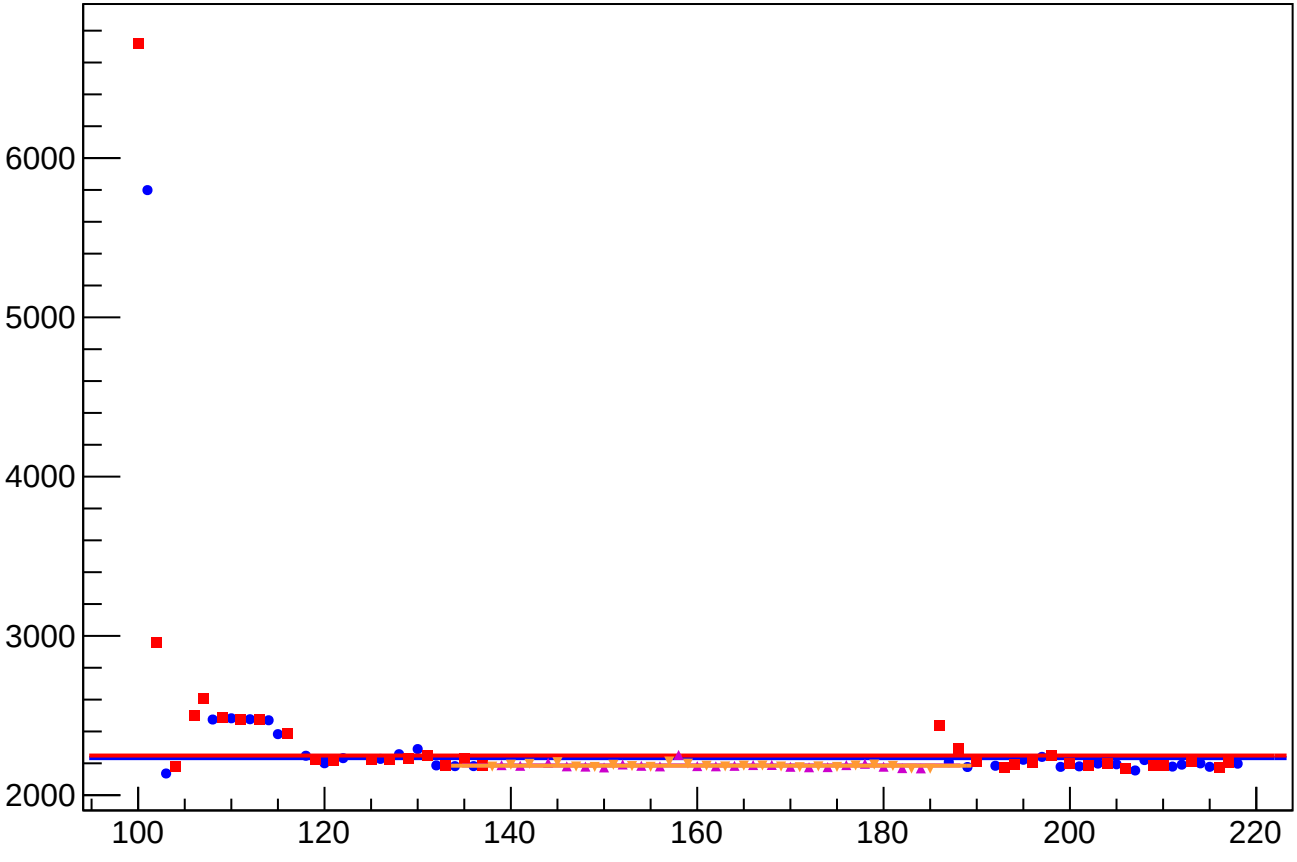
Left In: -4196.060+/-510.578 χ^2/NDF:32.1/22

+ sign 3951.006+/-356.018 χ^2/NDF: 48.8/55

All: -21.963+/-252.401 χ^2/NDF: 363.3/112

- sign -4036.778+/-357.888 χ^2/NDF: 64.1/56

cor_asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 2232.435+/-0.353 χ^2/NDF: 540081.7/31

Left Out: 2185.133+/-0.359 χ^2/NDF:815.1/23

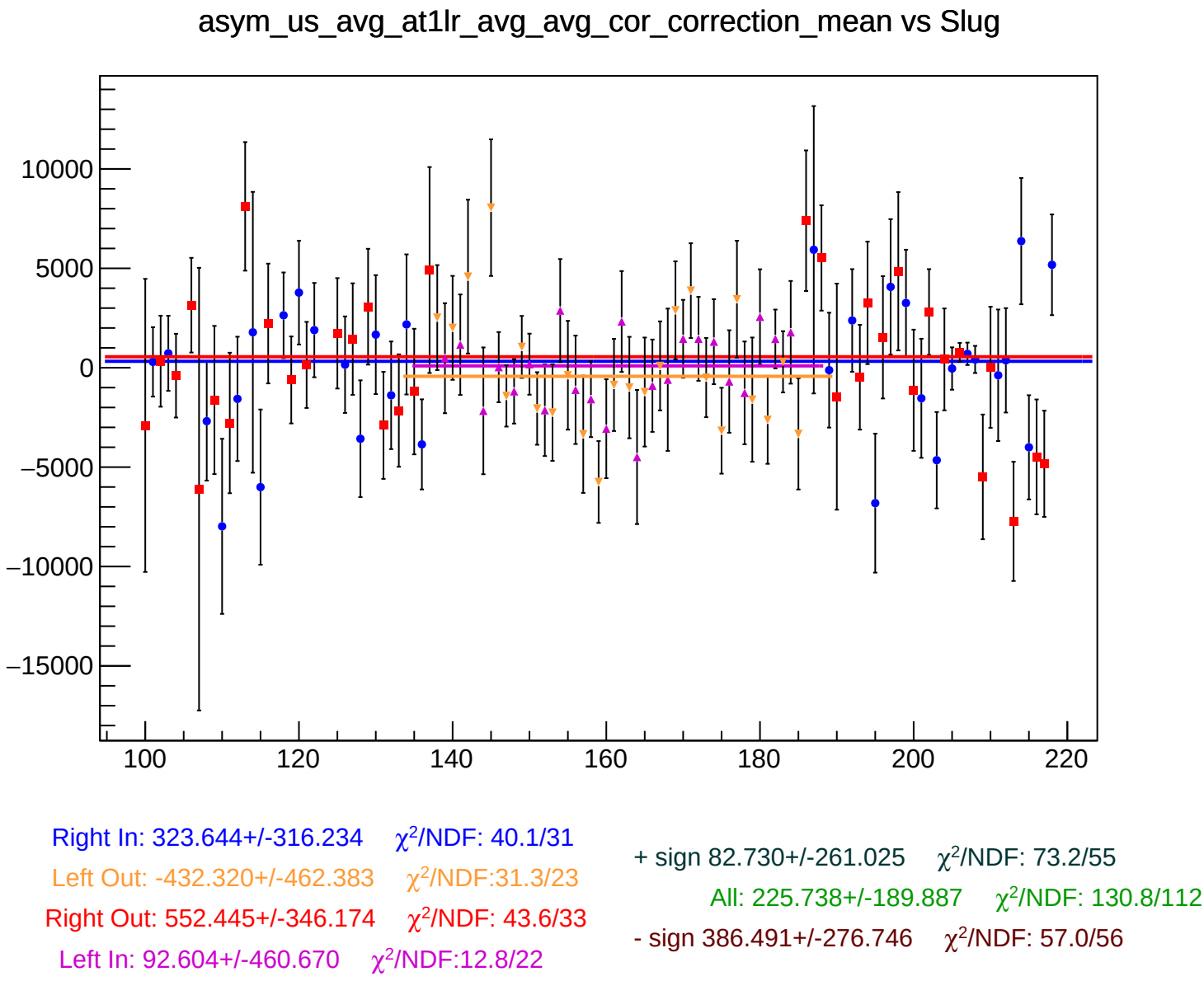
Right Out: 2248.805+/-0.355 χ^2/NDF: 190331.3/33

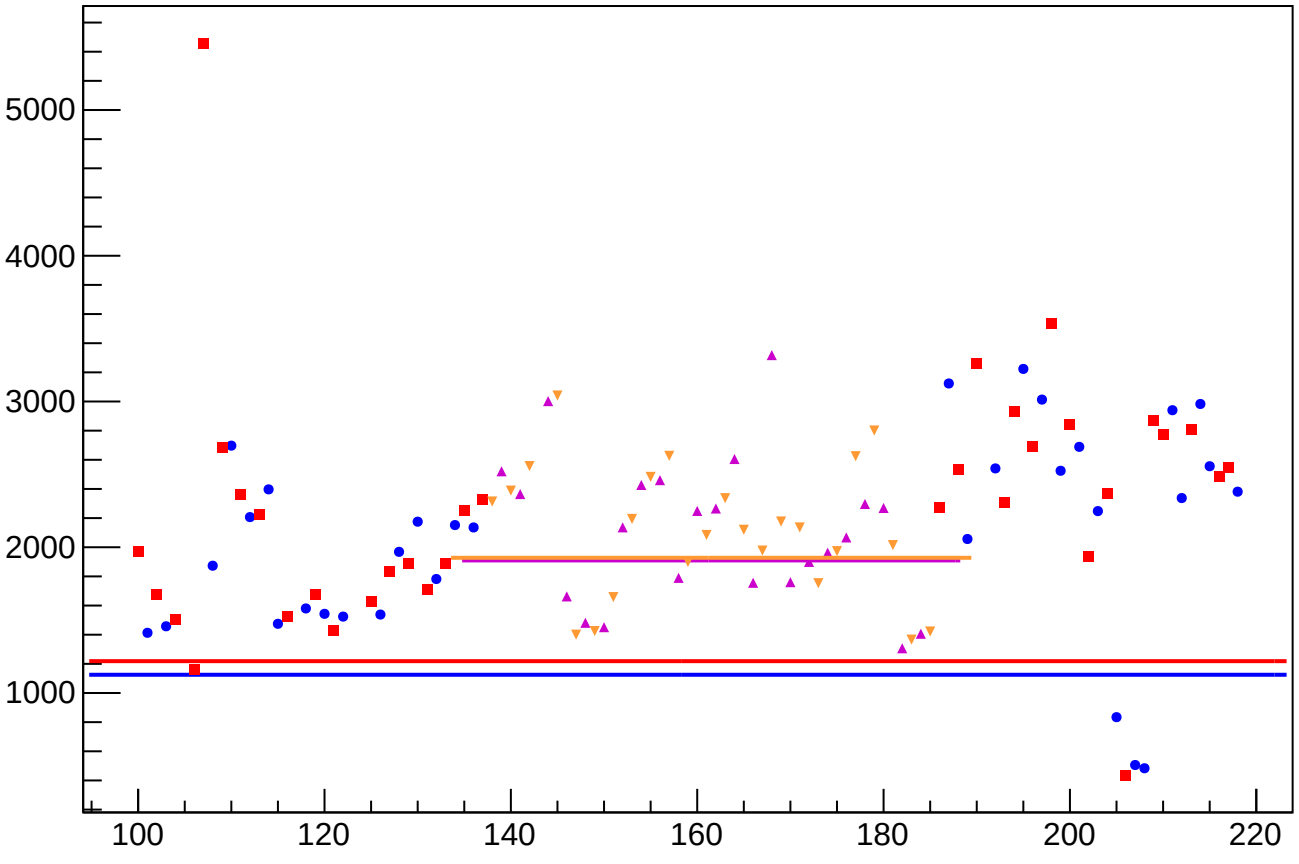
Left In: 2186.745+/-0.361 χ^2/NDF:2063.9/22

+ sign 2209.125+/-0.252 χ^2/NDF: 549721.5/55

All: 2213.695+/-0.178 χ^2/NDF: 757809.4/112

- sign 2218.313+/-0.253 χ^2/NDF: 207425.3/56


asym_us_avg_at1lr_avg_avg_cor_correction_mean vs Slug
10000
5000
0
−5000
−10000
−15000
100
120
140
160
180
200
220
Right In: 323.644+/-316.234 χ²/NDF: 40.1/31
Left Out: -432.320+/-462.383 χ²/NDF:31.3/23
Right Out: 552.445+/-346.174 χ²/NDF: 43.6/33
Left In: 92.604+/-460.670 χ²/NDF:12.8/22
+ sign 82.730+/-261.025 χ²/NDF: 73.2/55
All: 225.738+/-189.887 χ²/NDF: 130.8/112
- sign 386.491+/-276.746 χ²/NDF: 57.0/56



Right In: 1125.112+/-0.224 χ^2/NDF: 13116324.9/31

Left Out: 1927.659+/-0.327 χ^2/NDF:1798407.2/23

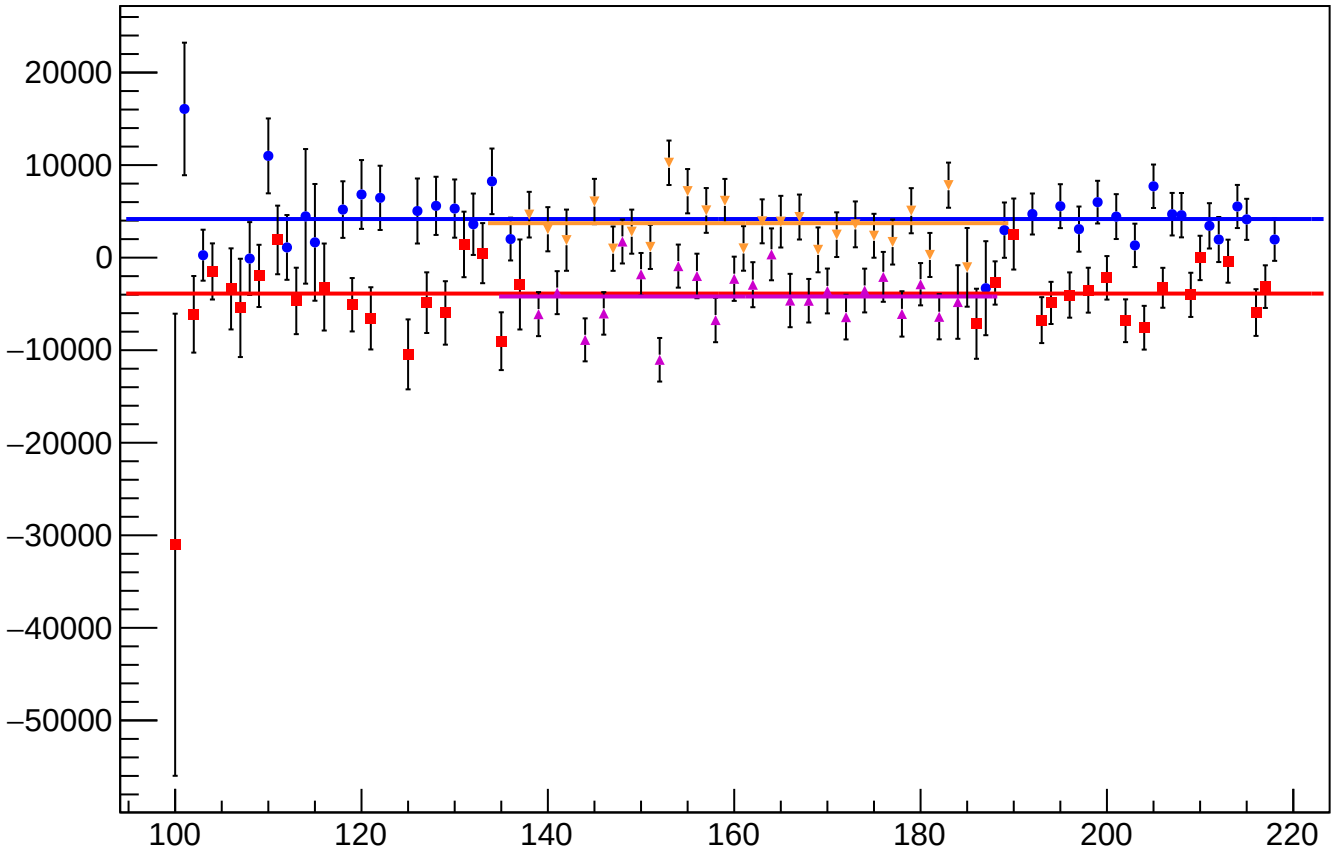
Right Out: 1218.512+/-0.245 χ^2/NDF: 14235531.9/33

Left In: 1909.618+/-0.326 χ^2/NDF:1942286.8/22

+ sign 1380.871+/-0.185 χ^2/NDF: 19019756.1/55

All: 1421.857+/-0.134 χ^2/NDF: 38179121.8/1

- sign 1467.929+/-0.196 χ^2/NDF: 19054626.4/56



Right In: 4172.109+/-499.894 χ^2/NDF: 23.0/31

Left Out: 3723.433+/-507.155 χ^2/NDF:25.4/23

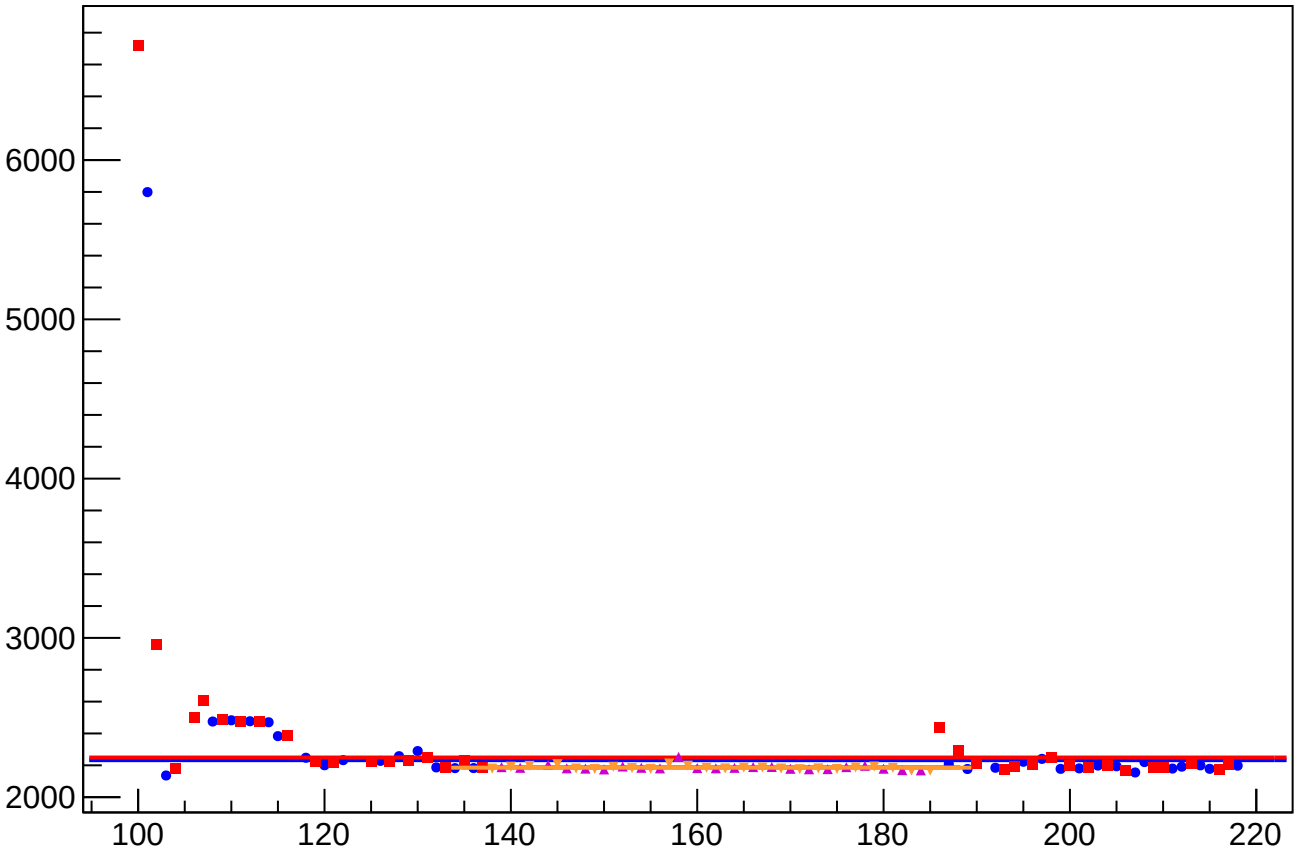
Right Out: -3882.928+/-501.796 χ^2/NDF: 31.8/33

Left In: -4196.060+/-510.578 χ^2/NDF:32.1/22

+ sign 3951.006+/-356.018 χ^2/NDF: 48.8/55

All: -21.963+/-252.401 χ^2/NDF: 363.3/112

- sign -4036.778+/-357.888 χ^2/NDF: 64.1/56



Right In: 2232.435+/-0.353 χ^2/NDF: 540081.7/31

Left Out: 2185.133+/-0.359 χ^2/NDF:815.1/23

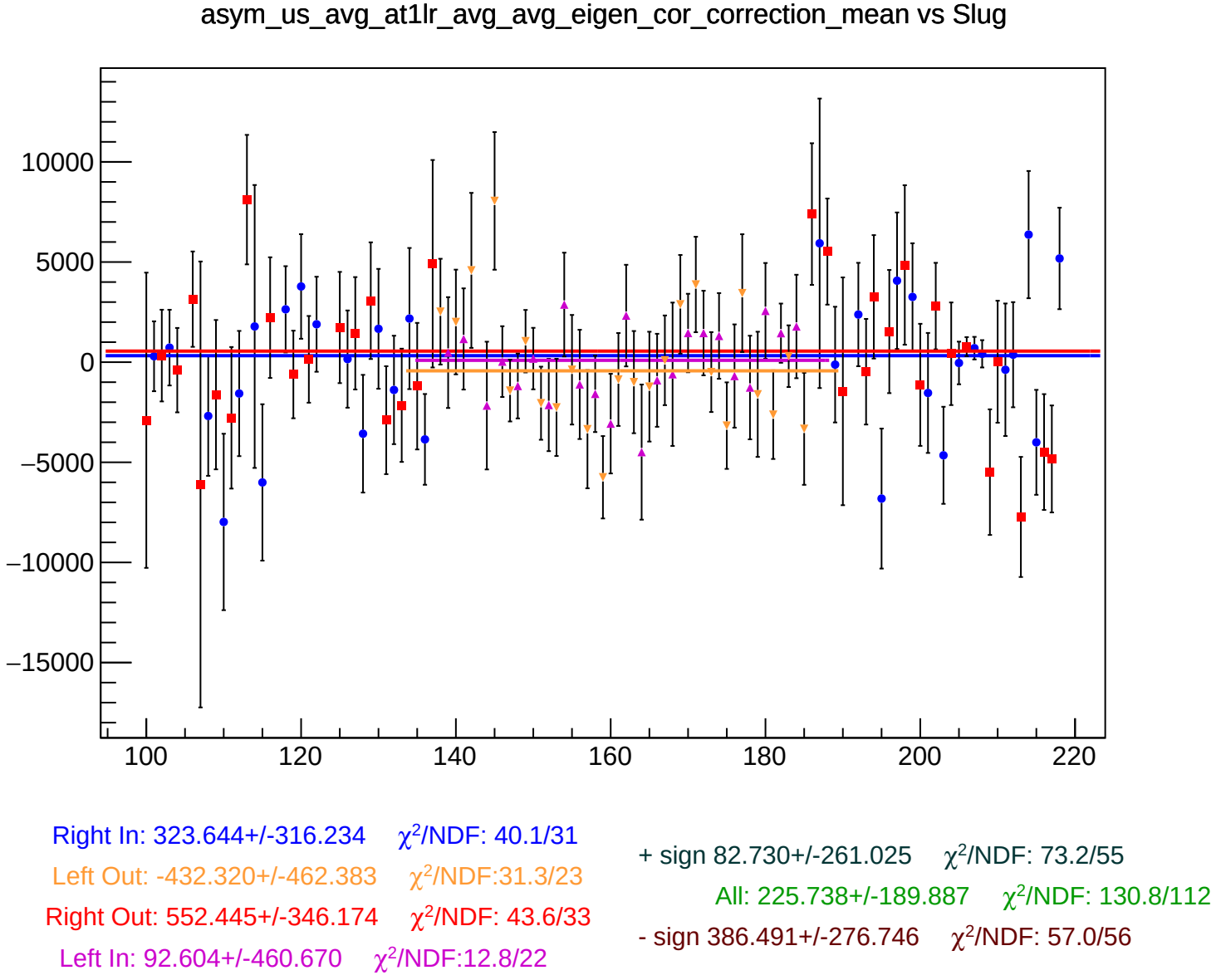
Right Out: 2248.805+/-0.355 χ^2/NDF: 190331.3/33

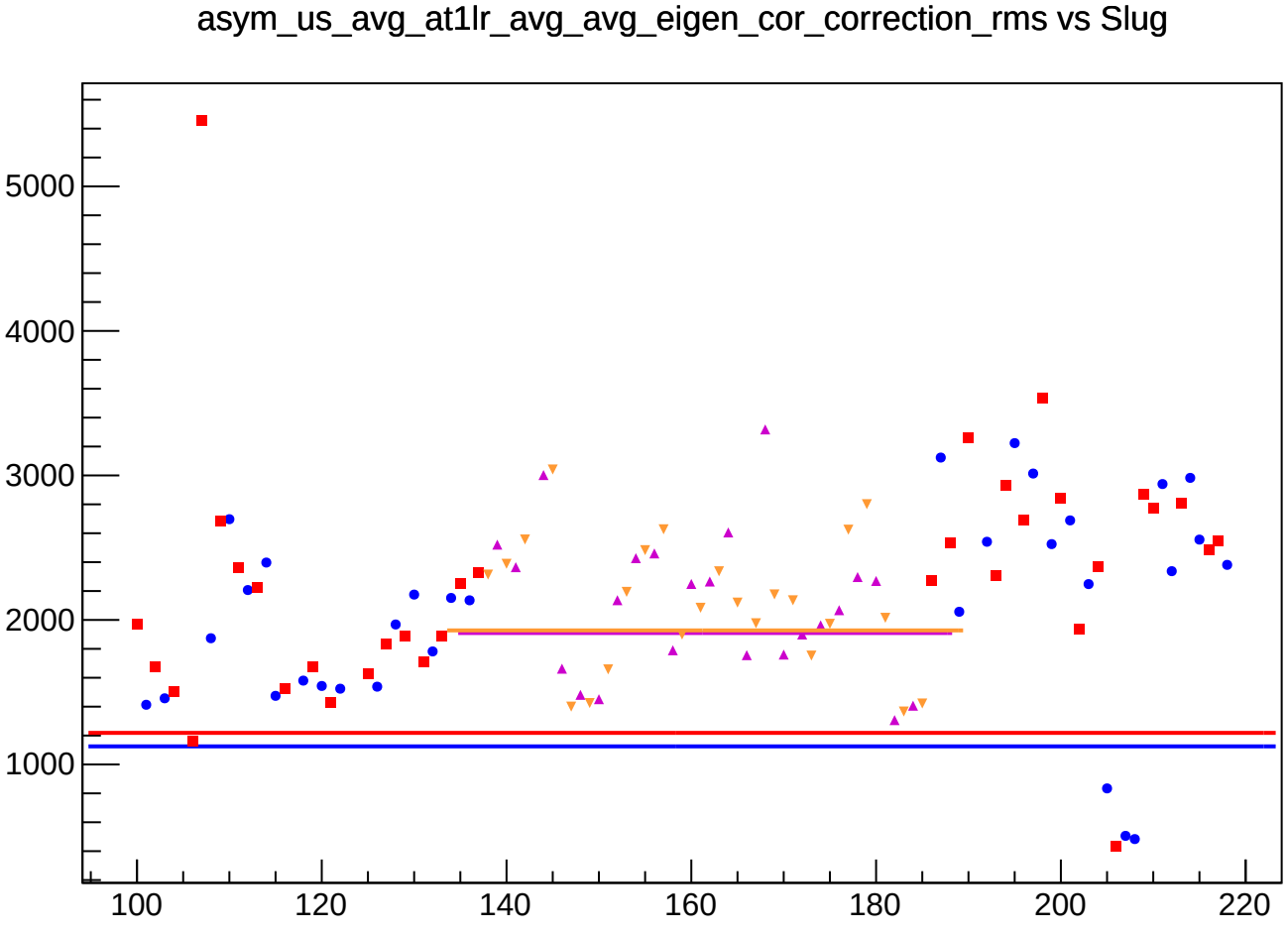
Left In: 2186.745+/-0.361 χ^2/NDF:2063.9/22

+ sign 2209.125+/-0.252 χ^2/NDF: 549721.5/55

All: 2213.695+/-0.178 χ^2/NDF: 757809.4/112

- sign 2218.313+/-0.253 χ^2/NDF: 207425.3/56


asym_us_avg_at1lr_avg_avg_eigen_cor_correction_mean vs Slug
10000
5000
0
−5000
−10000
−15000
100
120
140
160
180
200
220
Right In: 323.644+/-316.234 χ²/NDF: 40.1/31
Left Out: -432.320+/-462.383 χ²/NDF:31.3/23
Right Out: 552.445+/-346.174 χ²/NDF: 43.6/33
Left In: 92.604+/-460.670 χ²/NDF:12.8/22
+ sign 82.730+/-261.025 χ²/NDF: 73.2/55
All: 225.738+/-189.887 χ²/NDF: 130.8/112
- sign 386.491+/-276.746 χ²/NDF: 57.0/56



Right In: 1125.112+/-0.224 χ^2/NDF: 13116324.9/31

Left Out: 1927.659+/-0.327 χ^2/NDF:1798407.2/23

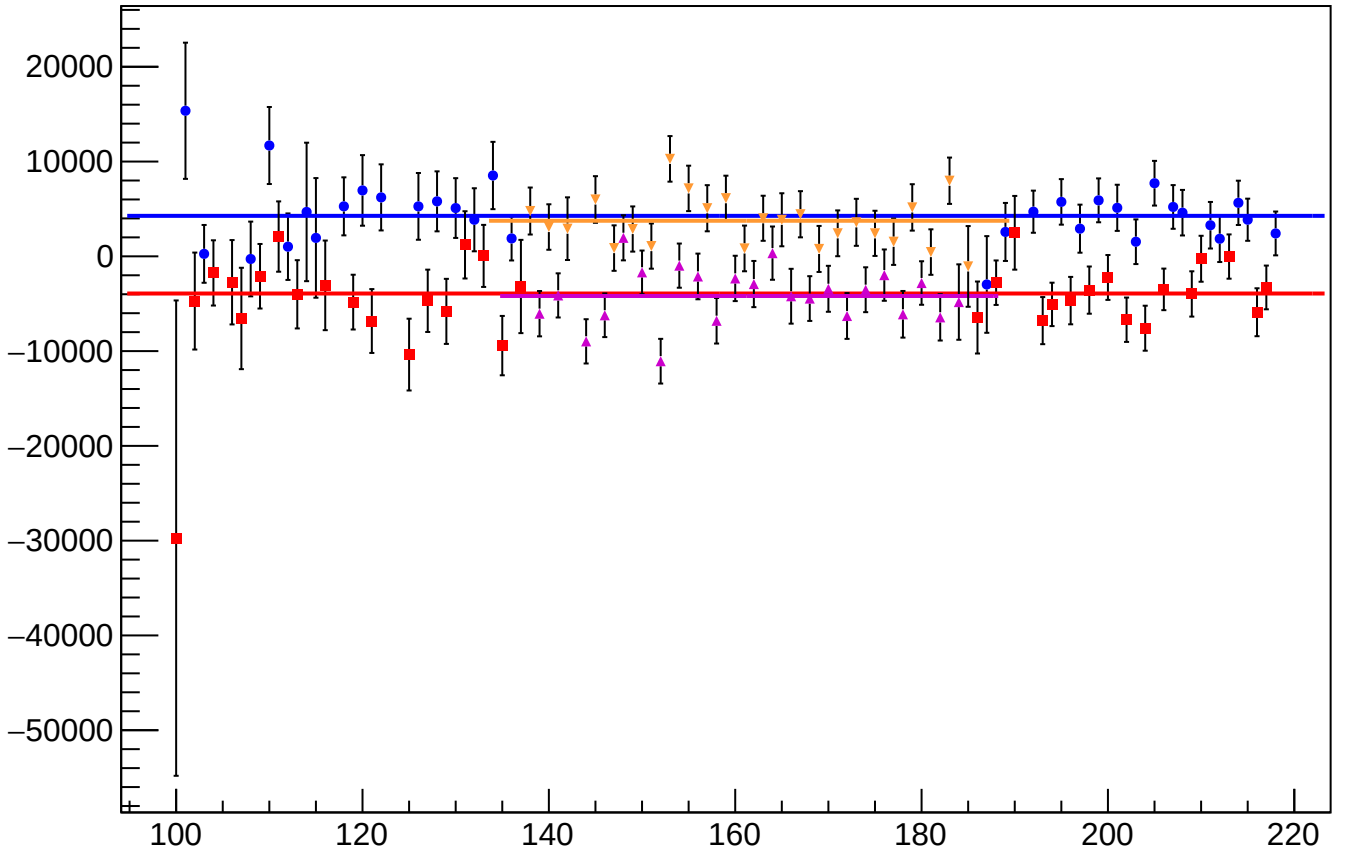
Right Out: 1218.512+/-0.245 χ^2/NDF: 14235531.9/33

Left In: 1909.618+/-0.326 χ^2/NDF:1942286.8/22

+ sign 1380.871+/-0.185 χ^2/NDF: 19019756.1/55

All: 1421.857+/-0.134 χ^2/NDF: 38179121.8/1

- sign 1467.929+/-0.196 χ^2/NDF: 19054626.4/56



Right In: 4271.467+/-504.400 χ^2/NDF: 23.1/31

Left Out: 3754.065+/-508.568 χ^2/NDF:25.7/23

Right Out: -3923.323+/-508.260 χ^2/NDF: 30.7/33

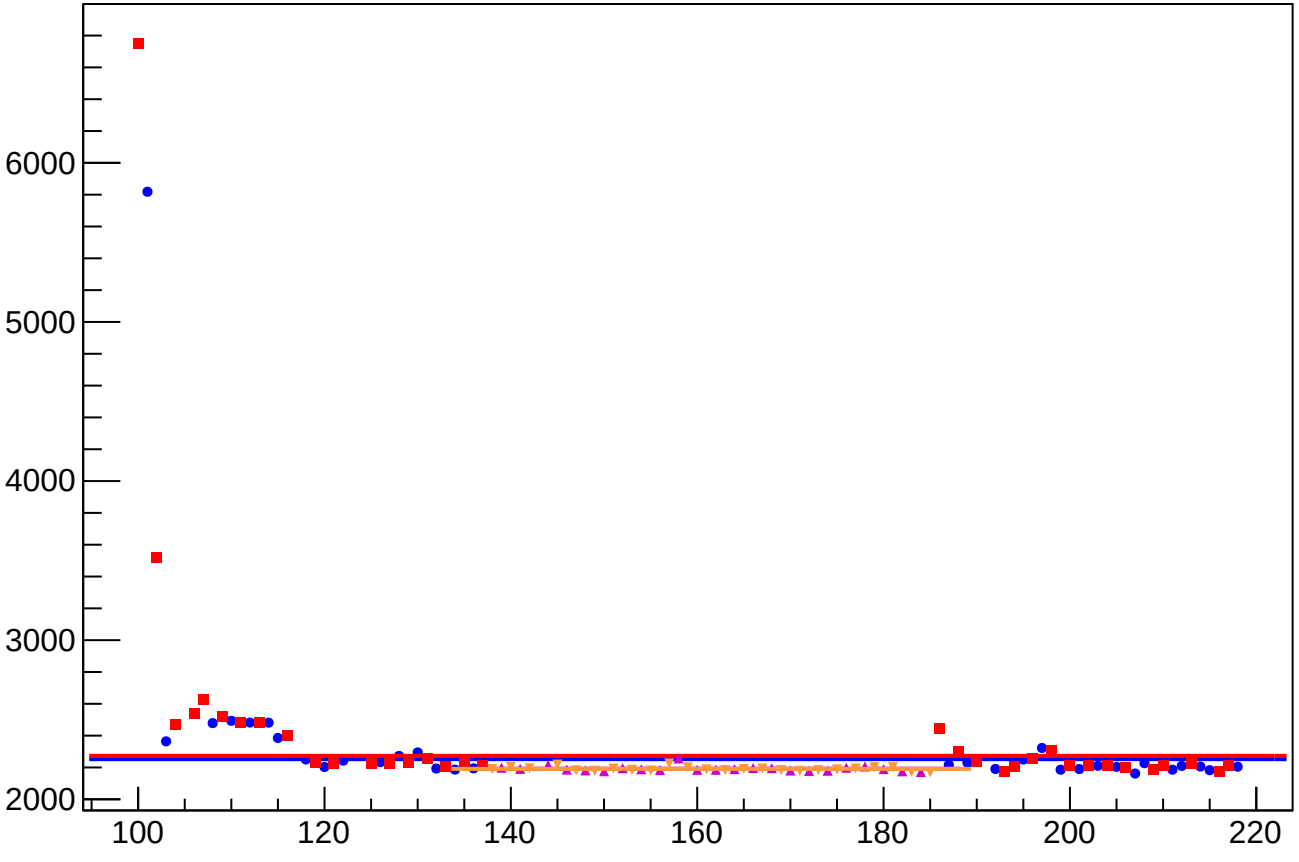
Left In: -4184.214+/-511.864 χ^2/NDF:32.7/22

+ sign 4014.895+/-358.129 χ^2/NDF: 49.2/55

All: 9.445+/-254.126 χ^2/NDF: 364.7/112

- sign -4052.847+/-360.662 χ^2/NDF: 63.5/56

dit_asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 2252.175+/-0.357 χ^2/NDF: 540451.9/31

Left Out: 2191.147+/-0.360 χ^2/NDF:1228.9/23

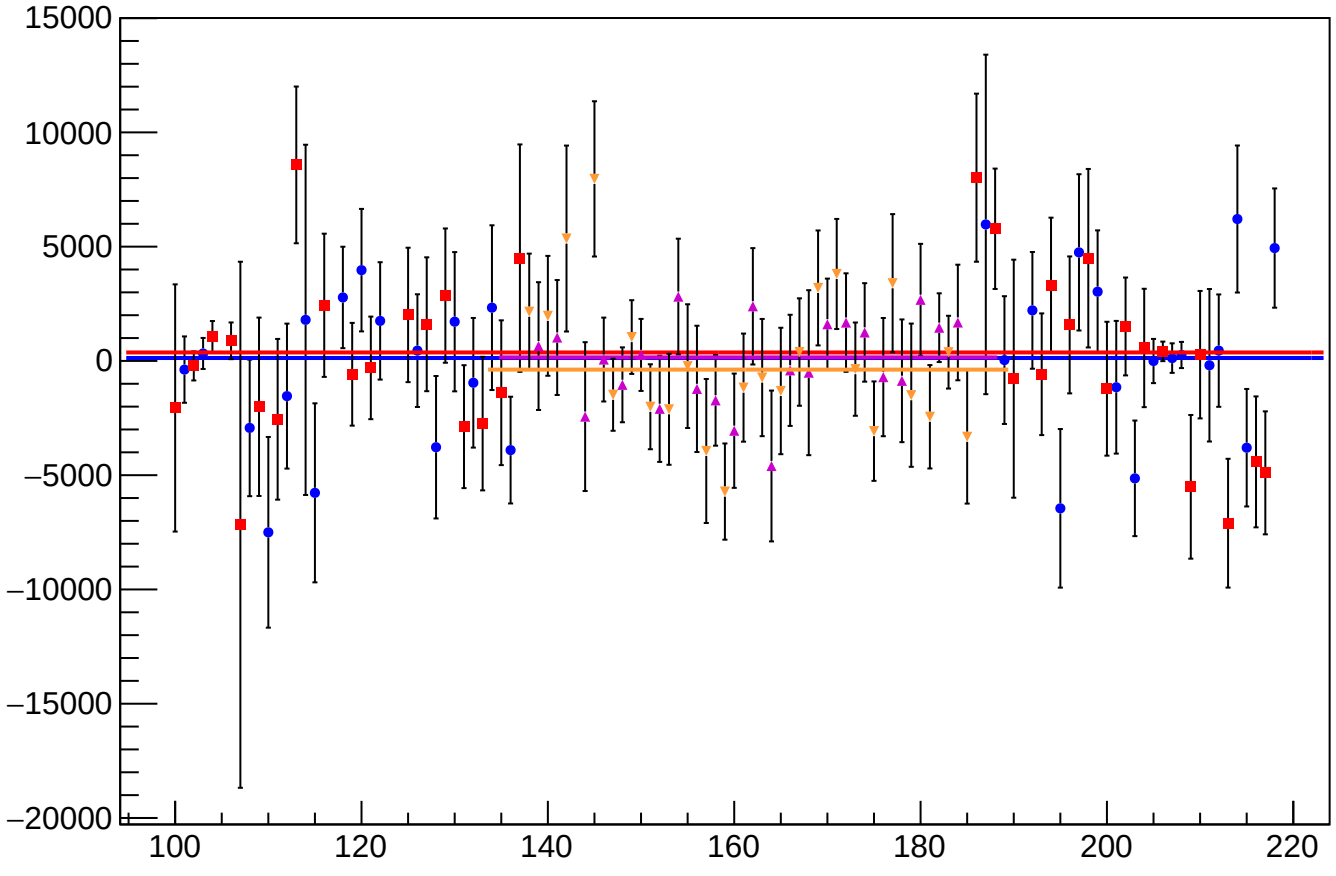
Right Out: 2273.010+/-0.359 χ^2/NDF: 258781.1/33

Left In: 2192.201+/-0.362 χ^2/NDF:2281.8/22

+ sign 2221.912+/-0.253 χ^2/NDF: 556199.3/55

All: 2227.363+/-0.180 χ^2/NDF: 843295.3/112

- sign 2232.891+/-0.255 χ^2/NDF: 286162.8/56



Right In: 126.916+/-285.327 χ^2/NDF: 38.2/31

Left Out: -380.488+/-471.481 χ^2/NDF:30.8/23

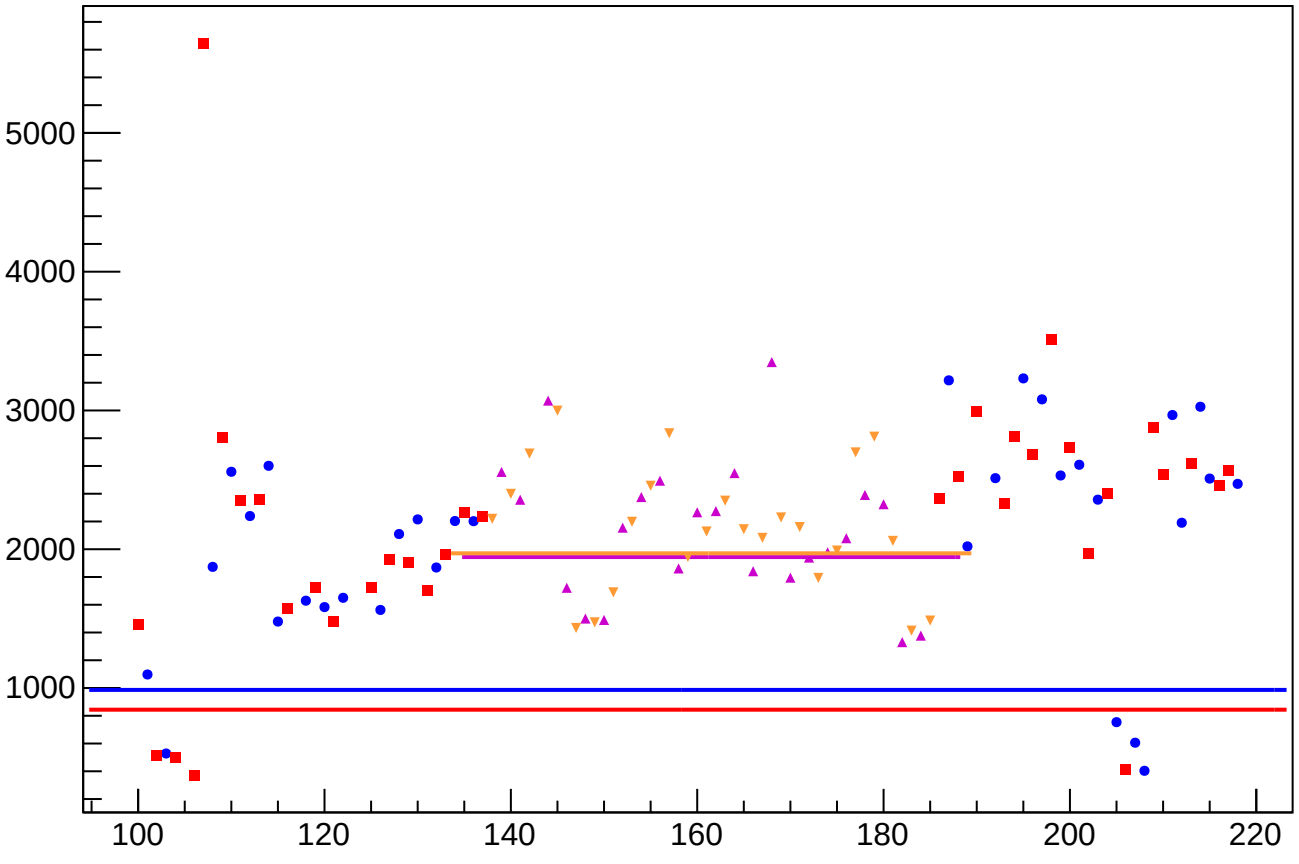
Right Out: 370.020+/-259.359 χ^2/NDF: 43.9/33

Left In: 154.512+/-467.999 χ^2/NDF:12.8/22

\+ sign -9.099+/-244.107 χ^2/NDF: 69.8/55

All: 167.161+/-166.174 χ^2/NDF: 127.7/112

\- sign 319.384+/-226.852 χ^2/NDF: 56.9/56



Right In: 986.384+/-0.202 χ^2/NDF: 14718678.9/31

Left Out: 1970.655+/-0.333 χ^2/NDF:1696659.6/23

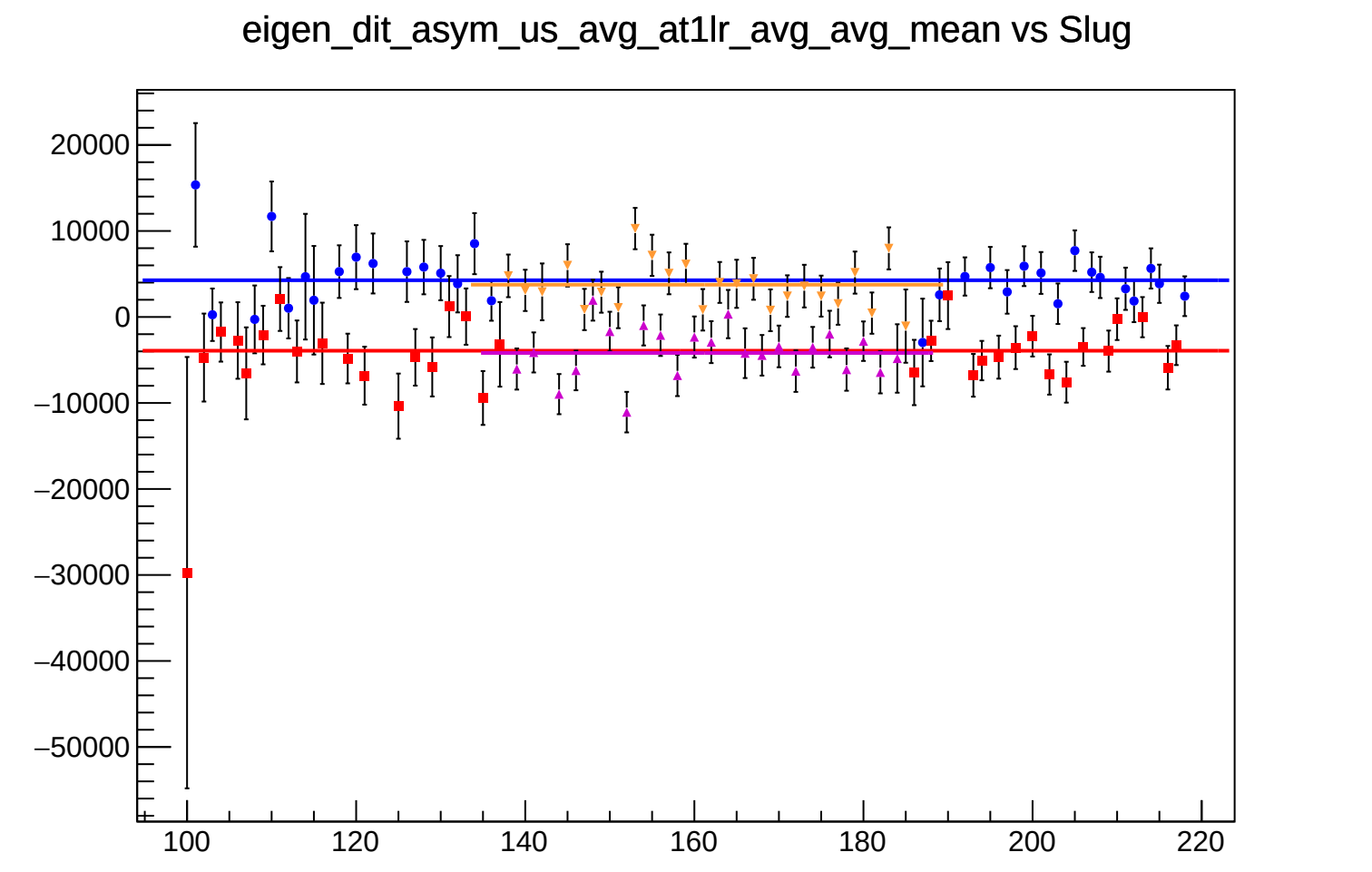
Right Out: 843.790+/-0.183 χ^2/NDF: 18387188.1/33

Left In: 1943.628+/-0.331 χ^2/NDF:1882933.7/22

+ sign 1250.228+/-0.173 χ^2/NDF: 22795137.2/55

All: 1170.802+/-0.118 χ^2/NDF: 51910315.0/1

- sign 1102.209+/-0.160 χ^2/NDF: 28720585.8/56



Right In: 4271.466+/-504.400 χ^2/NDF: 23.1/31

Left Out: 3754.064+/-508.568 χ^2/NDF:25.7/23

Right Out: -3923.322+/-508.260 χ^2/NDF: 30.7/33

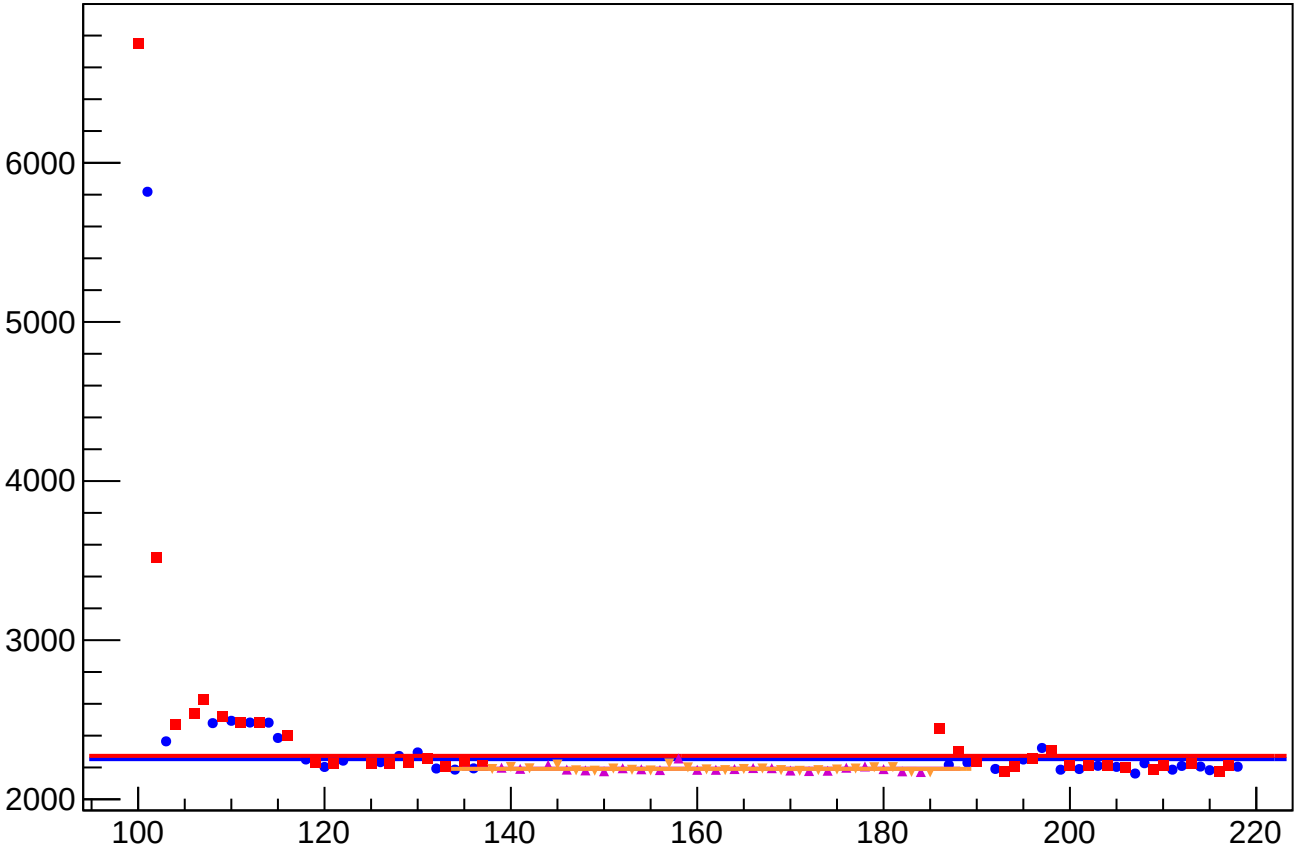
Left In: -4184.214+/-511.864 χ^2/NDF:32.7/22

+ sign 4014.894+/-358.129 χ^2/NDF: 49.2/55

All: 9.445+/-254.126 χ^2/NDF: 364.7/112

- sign -4052.847+/-360.662 χ^2/NDF: 63.5/56

eigen_dit_asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 2252.174+/-0.357 χ^2/NDF: 540451.7/31

Left Out: 2191.147+/-0.360 χ^2/NDF:1228.9/23

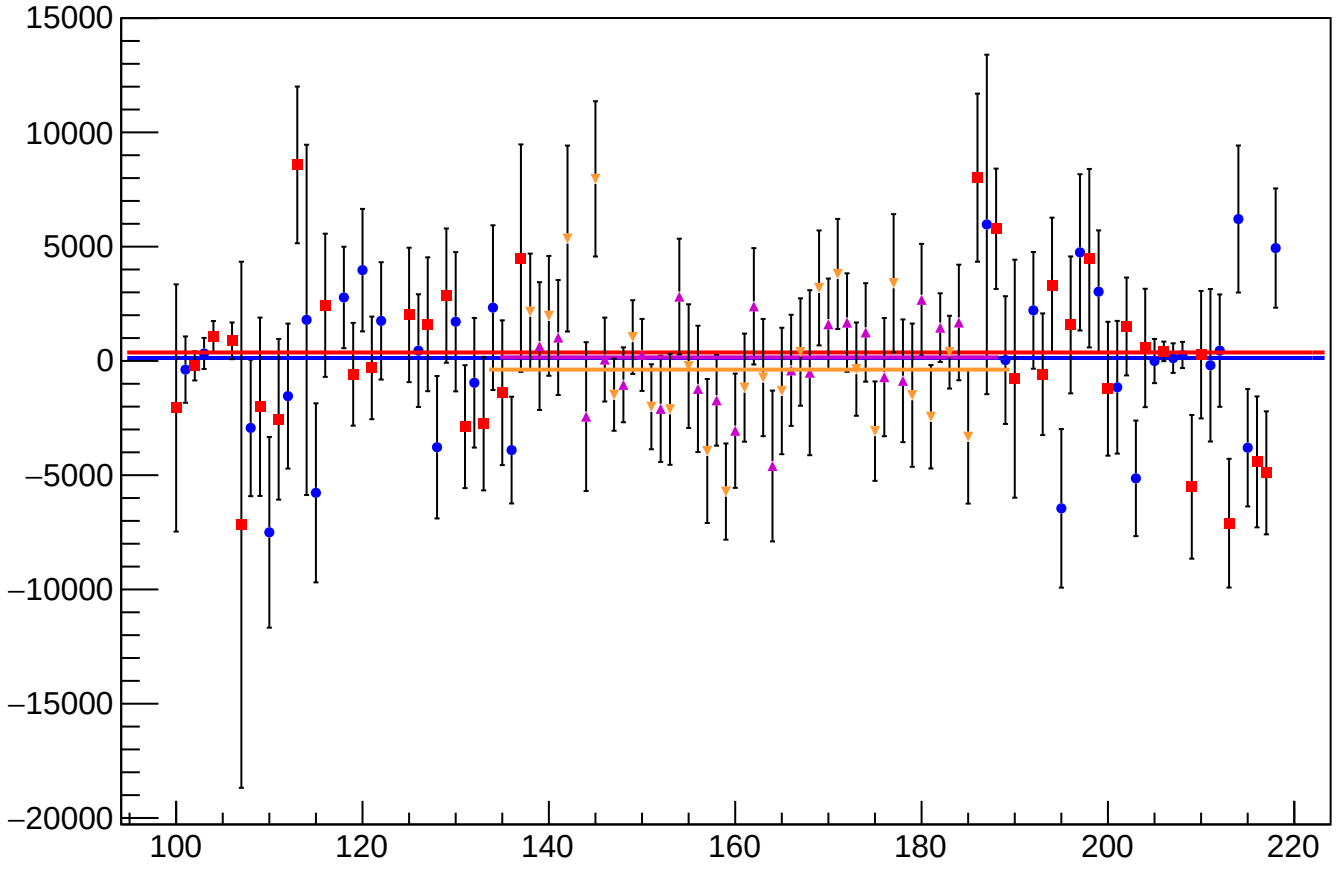
Right Out: 2273.010+/-0.359 χ^2/NDF: 258779.8/33

Left In: 2192.201+/-0.362 χ^2/NDF:2281.8/22

+ sign 2221.912+/-0.253 χ^2/NDF: 556199.0/55

All: 2227.363+/-0.180 χ^2/NDF: 843293.6/112

- sign 2232.891+/-0.255 χ^2/NDF: 286161.3/56



Right In: 126.912+/-285.327 χ^2/NDF: 38.2/31

Left Out: -380.492+/-471.482 χ^2/NDF:30.8/23

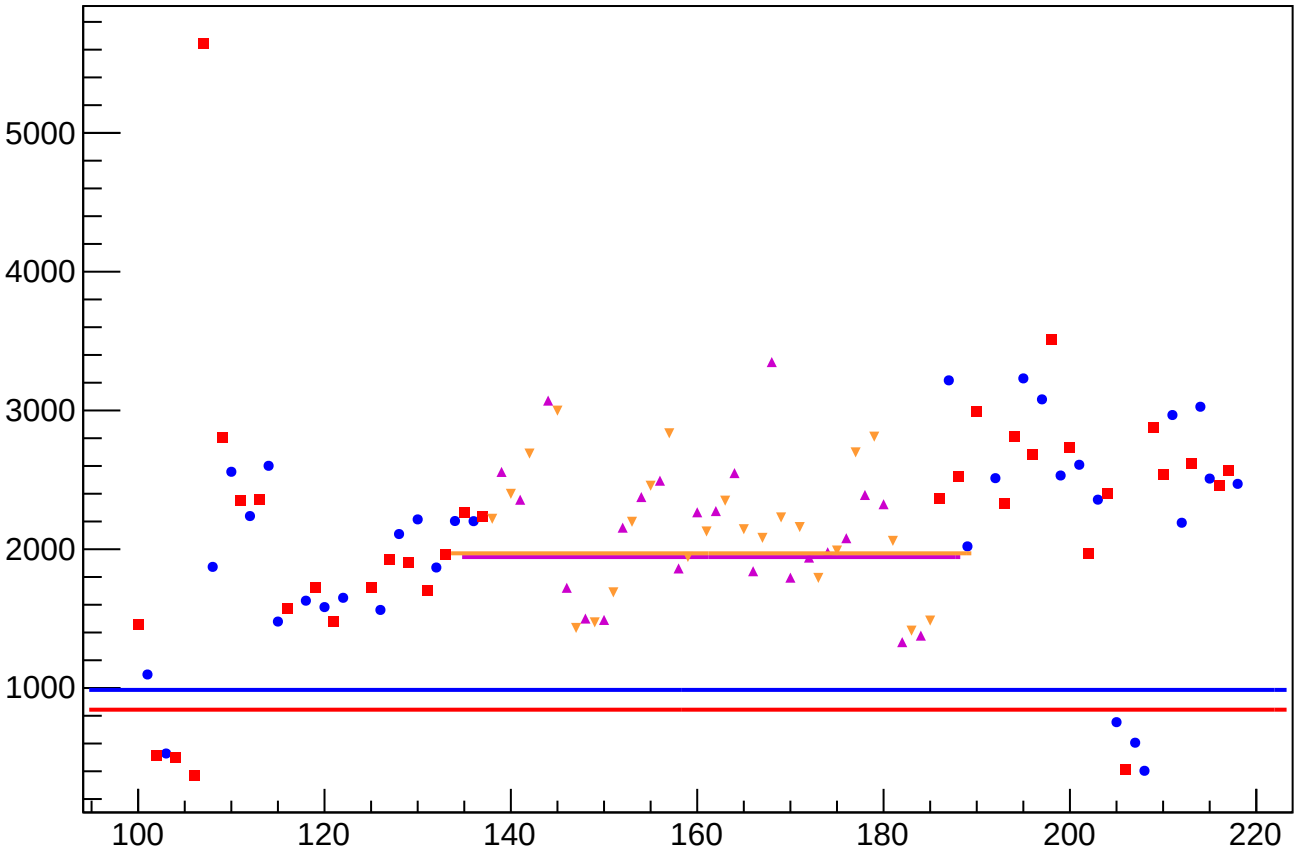
Right Out: 370.016+/-259.360 χ^2/NDF: 43.9/33

Left In: 154.512+/-468.000 χ^2/NDF:12.8/22

\+ sign -9.102+/-244.107 χ^2/NDF: 69.8/55

All: 167.158+/-166.175 χ^2/NDF: 127.7/112

\- sign 319.381+/-226.853 χ^2/NDF: 56.9/56



Right In: 986.384+/-0.202 χ^2/NDF: 14718701.7/31

Left Out: 1970.659+/-0.333 χ^2/NDF:1696658.8/23

Right Out: 843.795+/-0.183 χ^2/NDF: 18387106.6/33

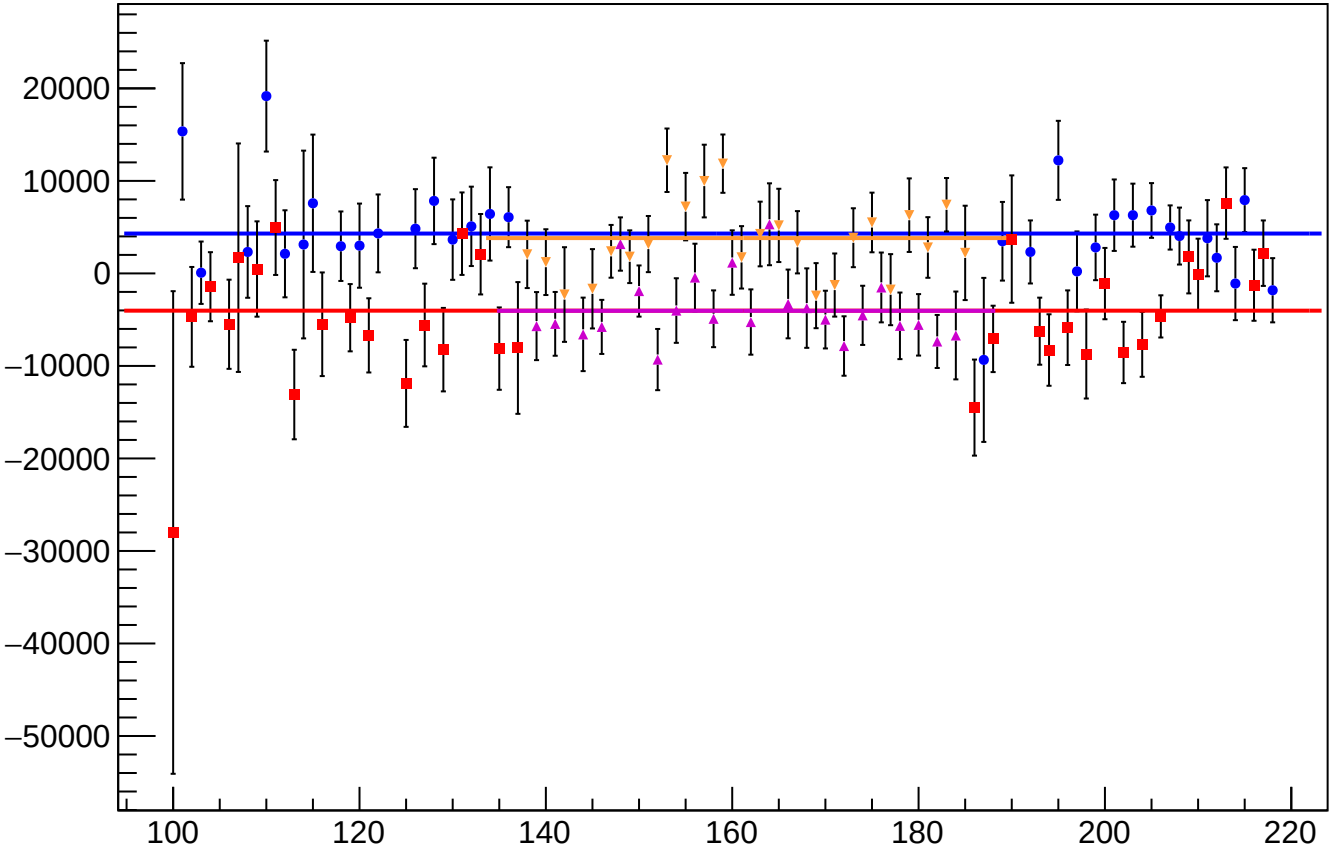
Left In: 1943.631+/-0.331 χ^2/NDF:1882931.8/22

+ sign 1250.228+/-0.173 χ^2/NDF: 22795189.3/55

All: 1170.806+/-0.118 χ^2/NDF: 51910193.7/1

- sign 1102.214+/-0.160 χ^2/NDF: 28720441.7/56

asym_us_avg_at1lr_avg_avg_mean vs Slug



Right In: 4309.004+/-703.119 χ^2/NDF: 27.2/31

Left Out: 3817.837+/-708.312 χ^2/NDF:30.9/23

Right Out: -4026.413+/-720.837 χ^2/NDF: 48.2/33

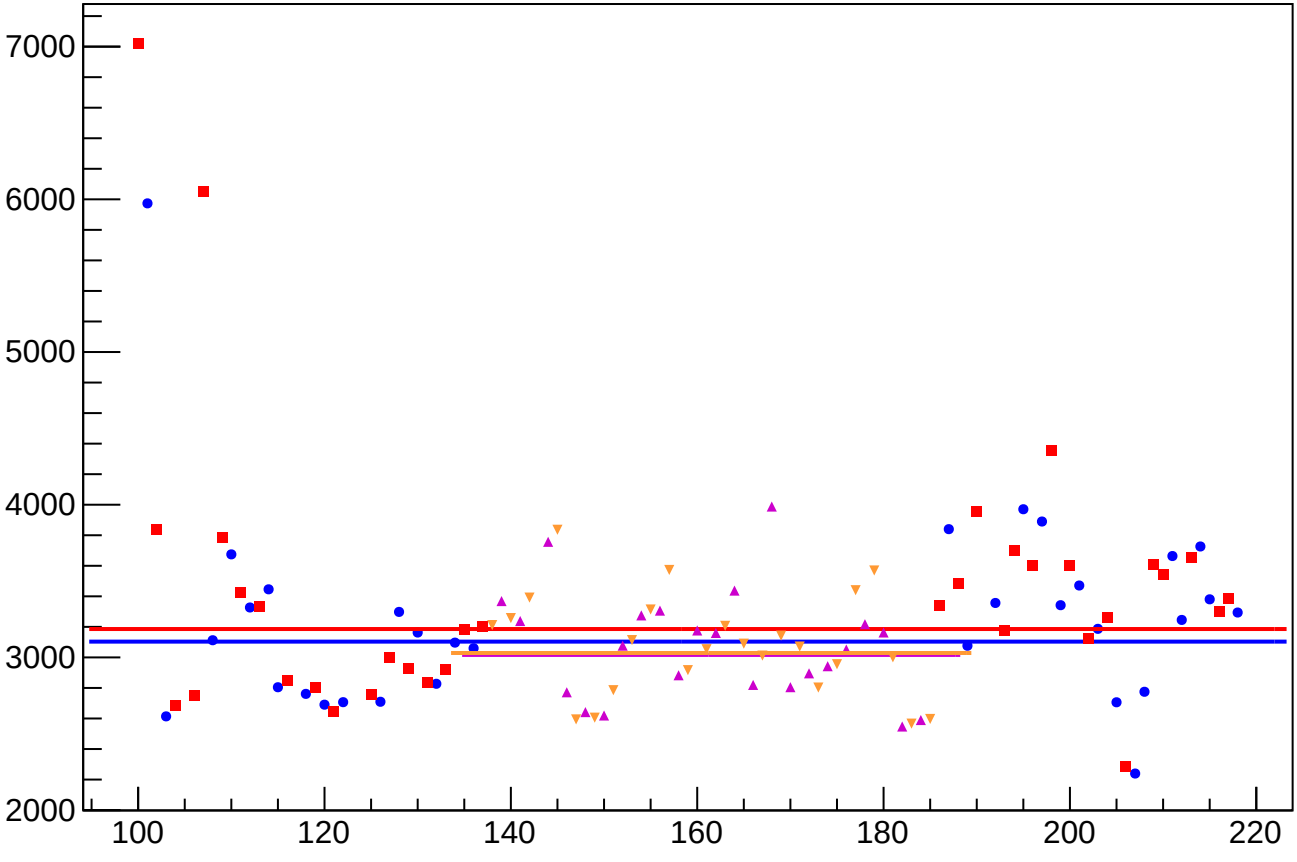
Left In: -4042.422+/-709.573 χ^2/NDF:22.5/22

+ sign 4065.228+/-499.006 χ^2/NDF: 58.3/55

All: 69.137+/-355.186 χ^2/NDF: 259.0/112

- sign -4034.544+/-505.679 χ^2/NDF: 70.7/56

asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 3103.393+/-0.497 χ^2/NDF: 1084769.4/31

Left Out: 3028.983+/-0.501 χ^2/NDF:397111.2/23

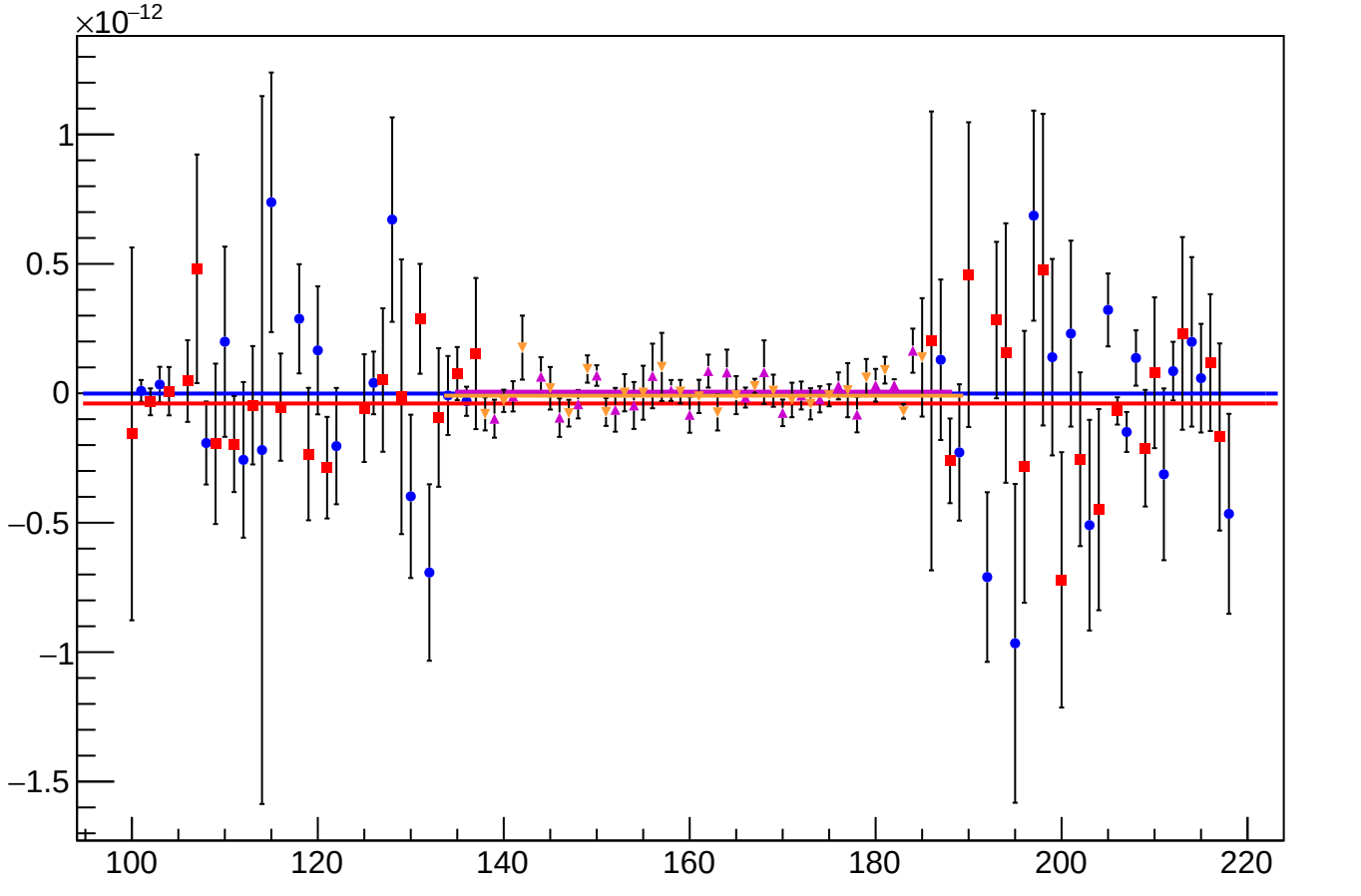
Right Out: 3185.900+/-0.510 χ^2/NDF: 1006241.3/33

Left In: 3016.252+/-0.502 χ^2/NDF:439897.8/22

+ sign 3066.462+/-0.353 χ^2/NDF: 1492997.7/55

All: 3082.880+/-0.251 χ^2/NDF: 2999786.6/11

- sign 3099.740+/-0.358 χ^2/NDF: 1502400.5/56



Right In: -0.000+/-0.000 χ^2/NDF: 44.1/31

Left Out: -0.000+/-0.000 χ^2/NDF:24.2/23

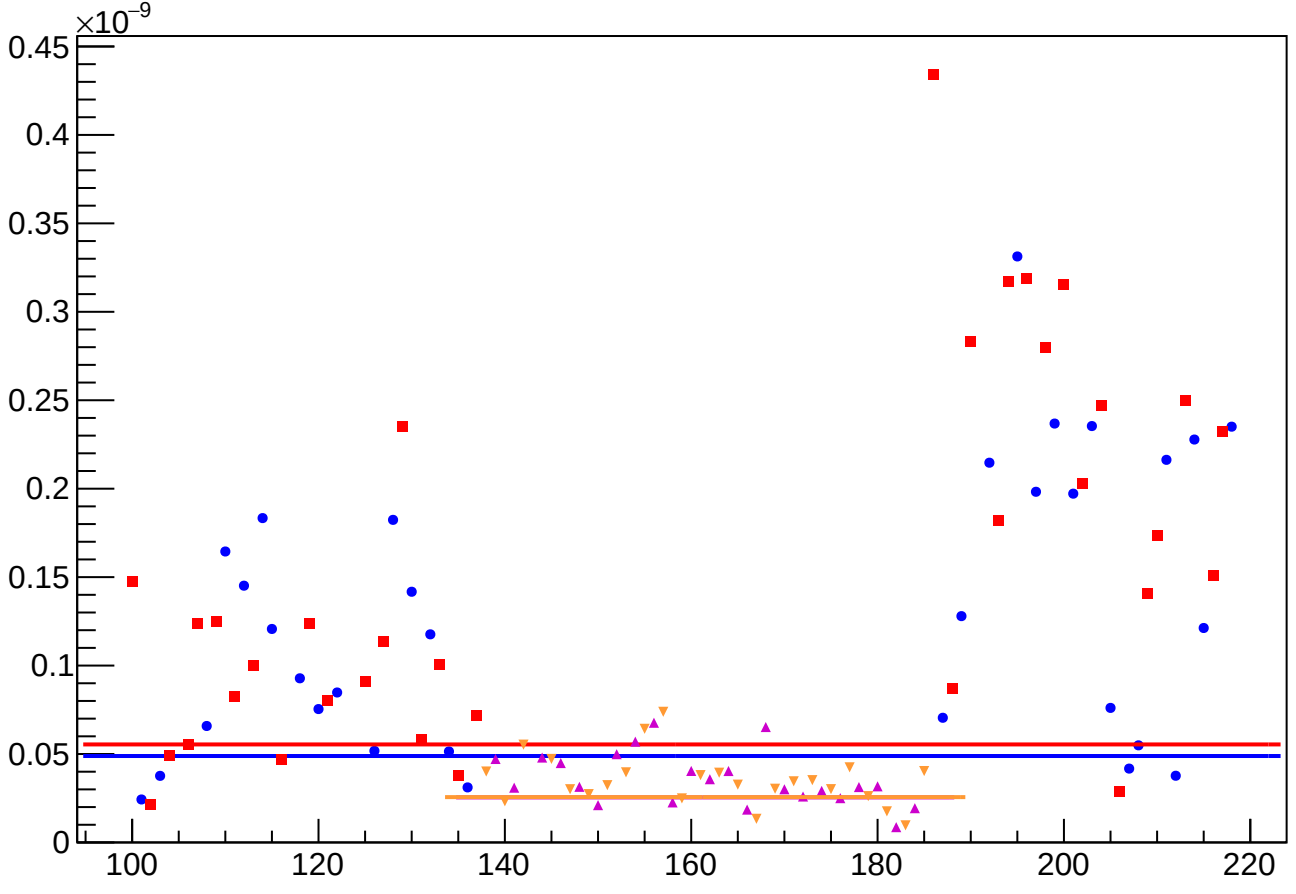
Right Out: -0.000+/-0.000 χ^2/NDF: 19.8/33

Left In: 0.000+/-0.000 χ^2/NDF:23.3/22

+ sign -0.000+/-0.000 χ^2/NDF: 68.4/55

All: -0.000+/-0.000 χ^2/NDF: 114.0/112

- sign -0.000+/-0.000 χ^2/NDF: 45.4/56



Right In: 0.000+/-0.000 χ^2/NDF: 6636338.1/31

Left Out: 0.000+/-0.000 χ^2/NDF:2439953.3/23

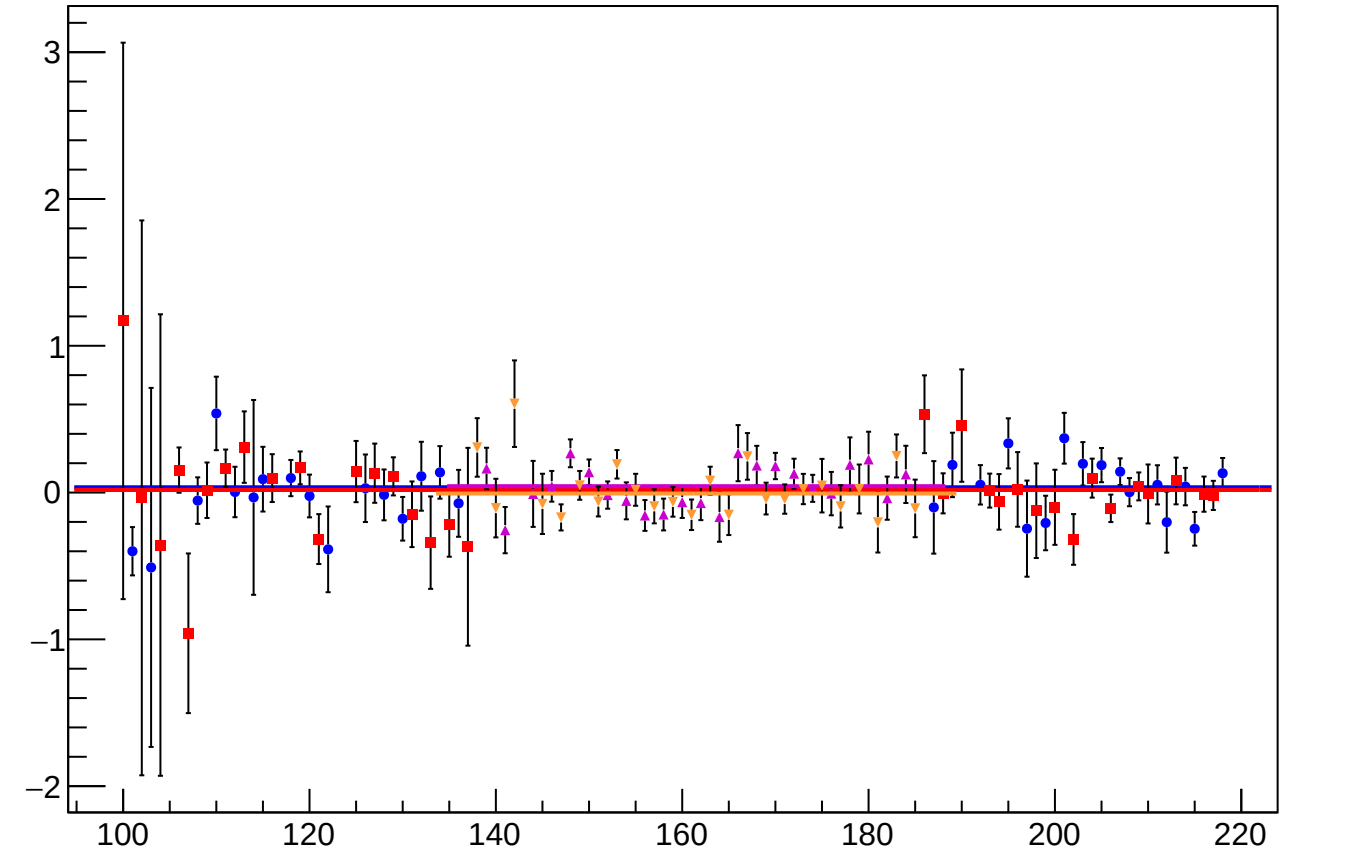
Right Out: 0.000+/-0.000 χ^2/NDF: 8099815.3/33

Left In: 0.000+/-0.000 χ^2/NDF:2808054.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 10695592.7/55

All: 0.000+/-0.000 χ^2/NDF: 23667244.1/112

- sign 0.000+/-0.000 χ^2/NDF: 12971262.9/56



Right In: 0.036+/-0.028 χ^2/NDF: 39.6/31

Left Out: -0.007+/-0.025 χ^2/NDF:27.7/23

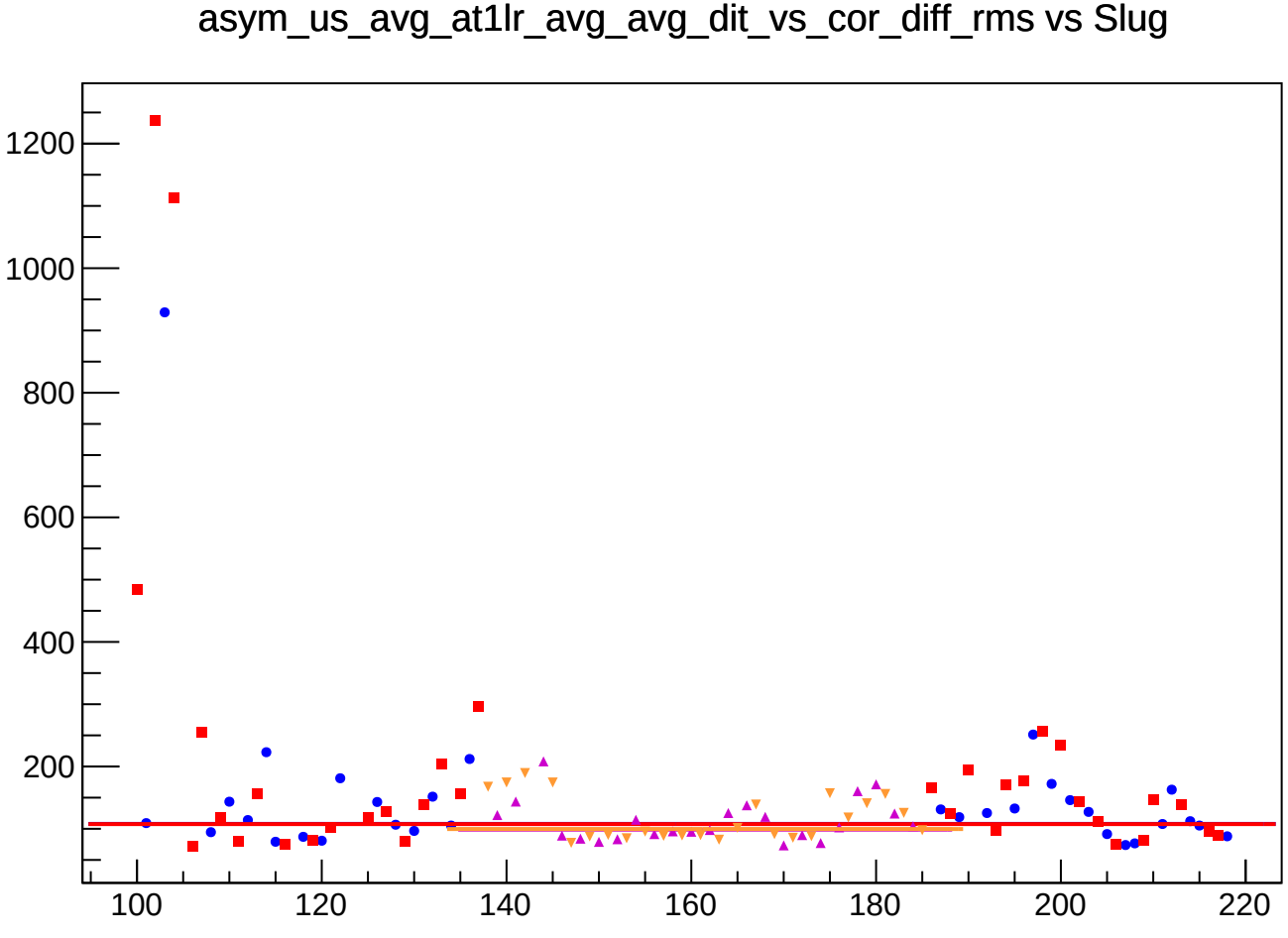
Right Out: 0.018+/-0.028 χ^2/NDF: 29.7/33

Left In: 0.044+/-0.025 χ^2/NDF:30.3/22

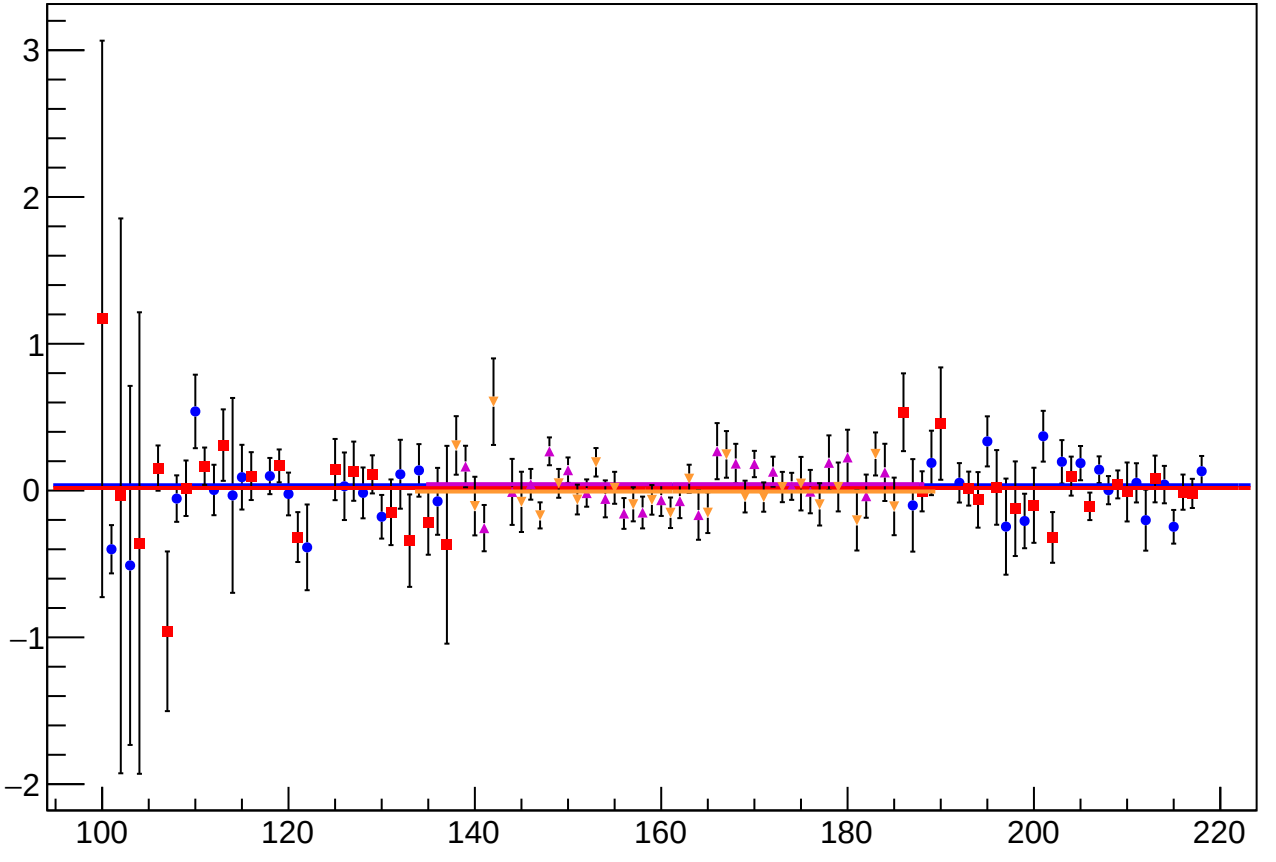
+ sign 0.013+/-0.019 χ^2/NDF: 68.5/55

All: 0.022+/-0.013 χ^2/NDF: 129.5/112

- sign 0.032+/-0.019 χ^2/NDF: 60.4/56


asym_us_avg_at1lr_avg_avg_dit_vs_cor_diff_rms vs Slug
1200
1000
800
600
400
200
100
120
140
160
180
200
220
Right In: 107.855+/-0.020 χ²/NDF: 3442237.0/31
Left Out: 99.590+/-0.018 χ²/NDF:2070986.6/23
Right Out: 107.550+/-0.020 χ²/NDF: 5089565.0/33
Left In: 98.669+/-0.018 χ²/NDF:2003365.1/22
+ sign 103.333+/-0.013 χ²/NDF: 5609732.2/55
All: 102.940+/-0.009 χ²/NDF: 12813990.9/11
- sign 102.543+/-0.013 χ²/NDF: 7202489.3/56

asym_us_avg_at1lr_avg_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.036+/-0.028 χ^2/NDF: 39.6/31

Left Out: -0.007+/-0.025 χ^2/NDF:27.7/23

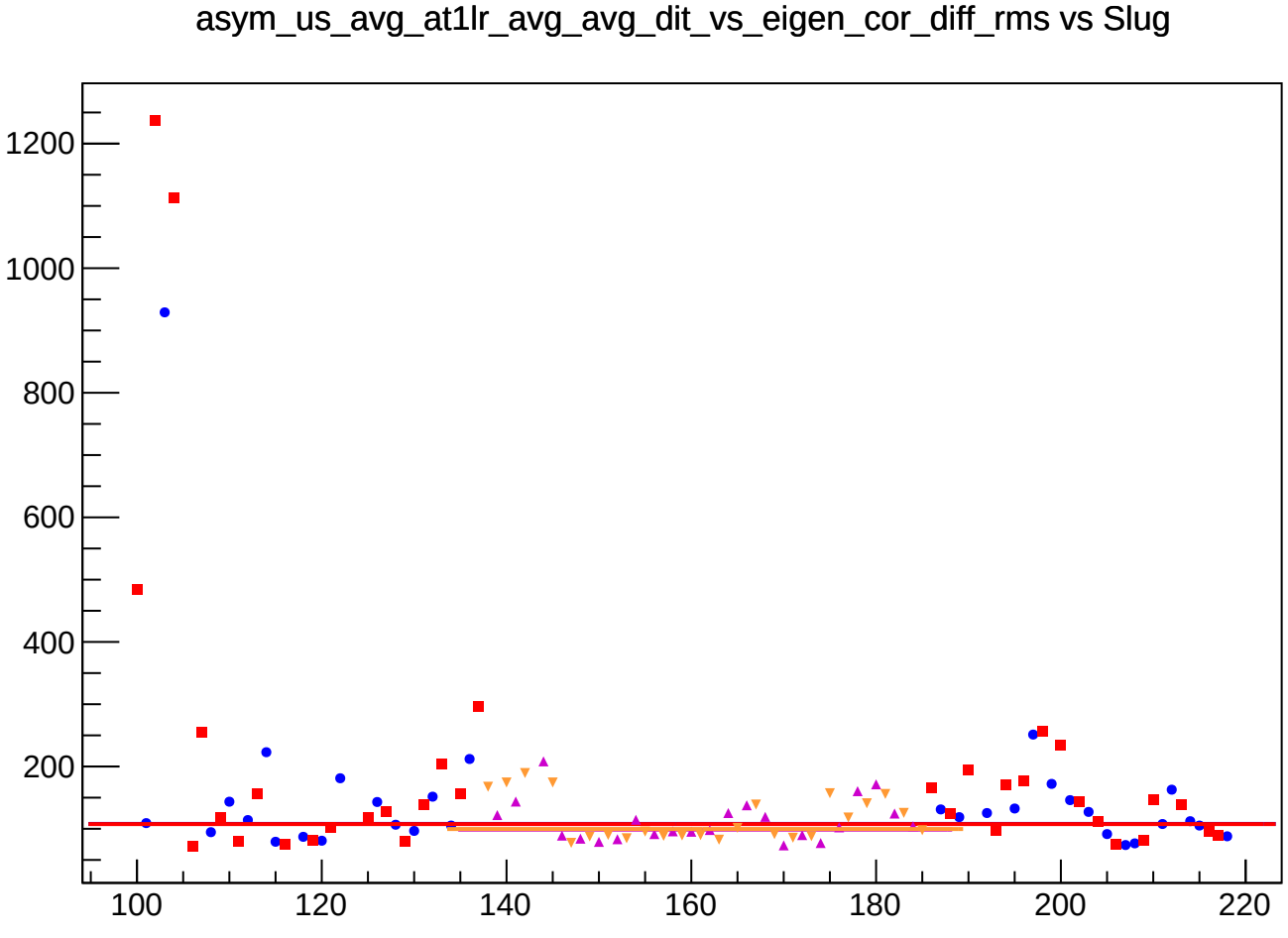
Right Out: 0.018+/-0.028 χ^2/NDF: 29.7/33

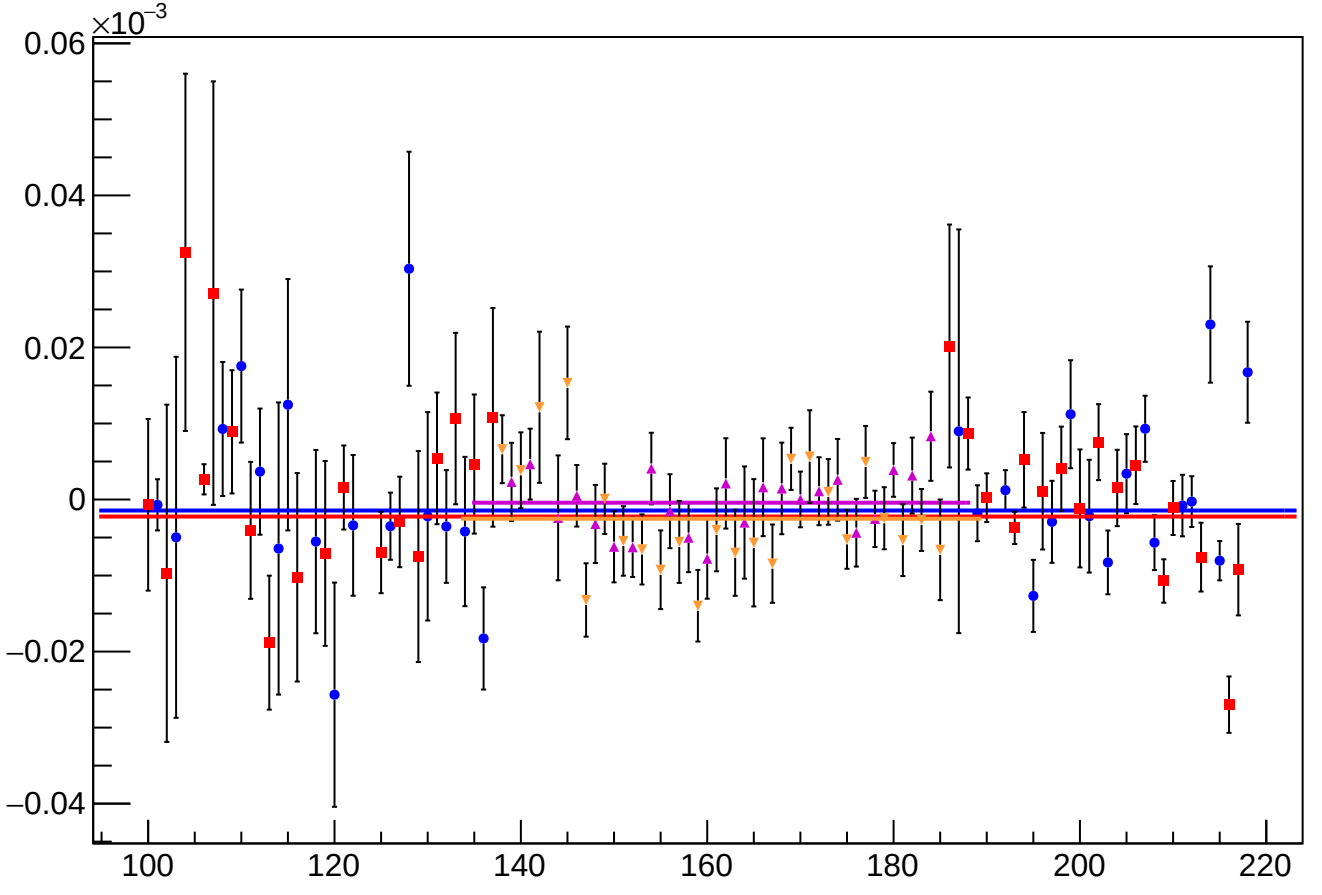
Left In: 0.044+/-0.025 χ^2/NDF:30.3/22

+ sign 0.013+/-0.019 χ^2/NDF: 68.5/55

All: 0.022+/-0.013 χ^2/NDF: 129.5/112

- sign 0.032+/-0.019 χ^2/NDF: 60.4/56


asym_us_avg_at1lr_avg_avg_dit_vs_eigen_cor_diff_rms vs Slug
1200
1000
800
600
400
200
100
120
140
160
180
200
220
Right In: 107.855+/-0.020 χ²/NDF: 3442237.0/31
Left Out: 99.590+/-0.018 χ²/NDF:2070986.6/23
Right Out: 107.550+/-0.020 χ²/NDF: 5089565.0/33
Left In: 98.669+/-0.018 χ²/NDF:2003365.1/22
+ sign 103.333+/-0.013 χ²/NDF: 5609732.2/55
All: 102.940+/-0.009 χ²/NDF: 12813990.9/11
- sign 102.543+/-0.013 χ²/NDF: 7202489.3/56



Right In: -0.000+/-0.000 χ^2/NDF: 65.5/31

Left Out: -0.000+/-0.000 χ^2/NDF:40.2/23

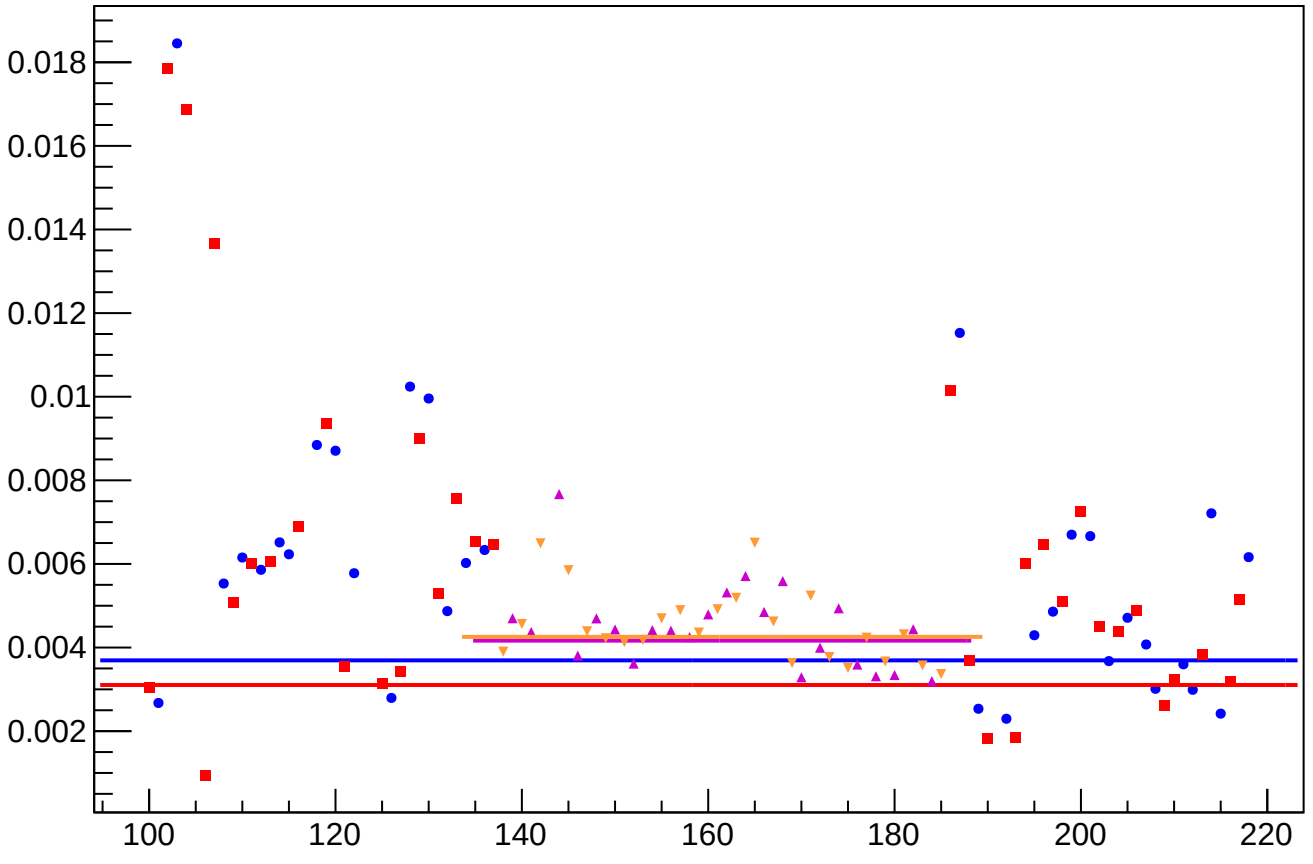
Right Out: -0.000+/-0.000 χ^2/NDF: 94.0/33

Left In: -0.000+/-0.000 χ^2/NDF:15.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 106.3/55

All: -0.000+/-0.000 χ^2/NDF: 218.5/112

- sign -0.000+/-0.000 χ^2/NDF: 111.9/56



Right In: 0.004+/-0.000 χ^2/NDF: 6599375.4/31

Left Out: 0.004+/-0.000 χ^2/NDF:833222.5/23

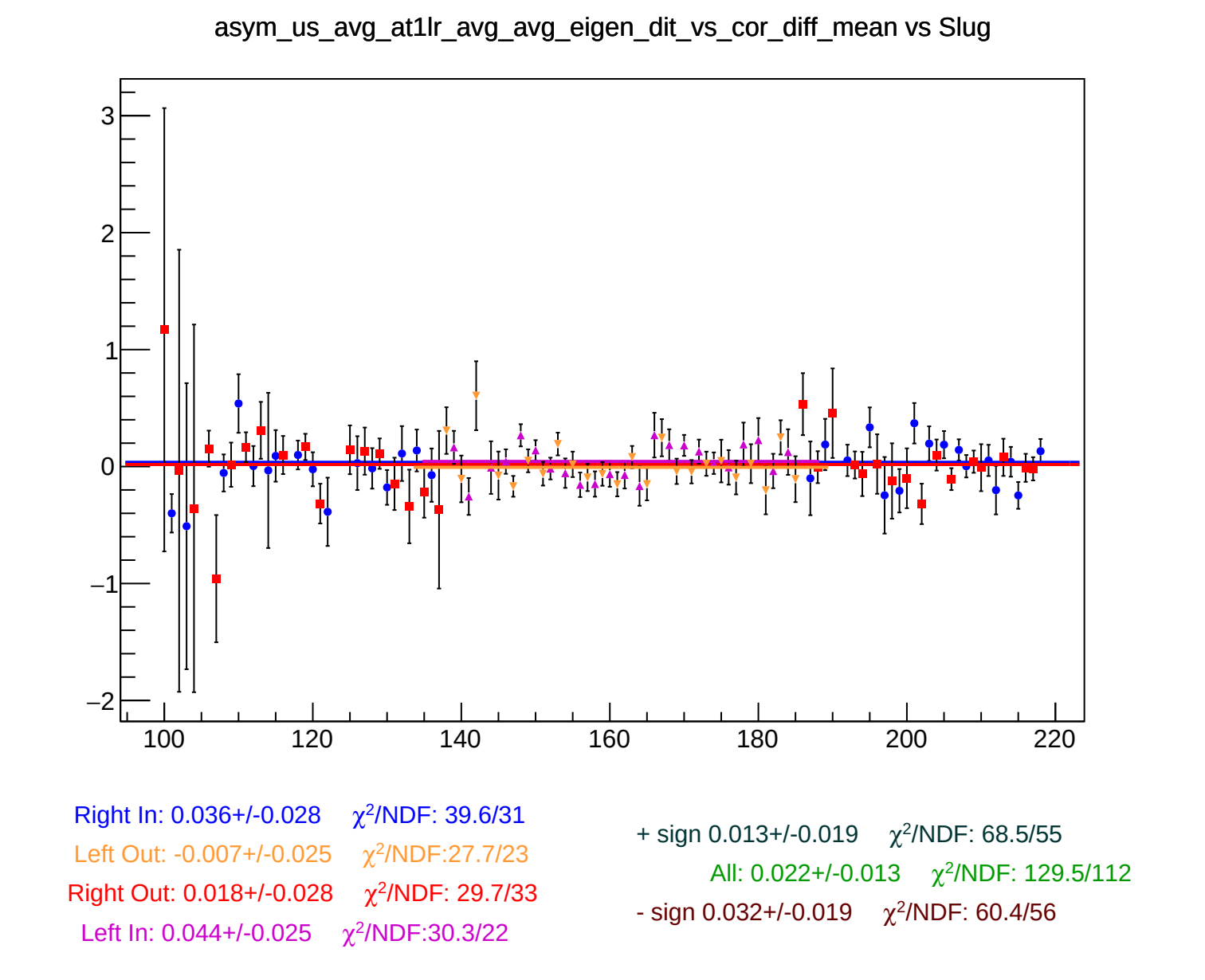
Right Out: 0.003+/-0.000 χ^2/NDF: 10640056.9/33

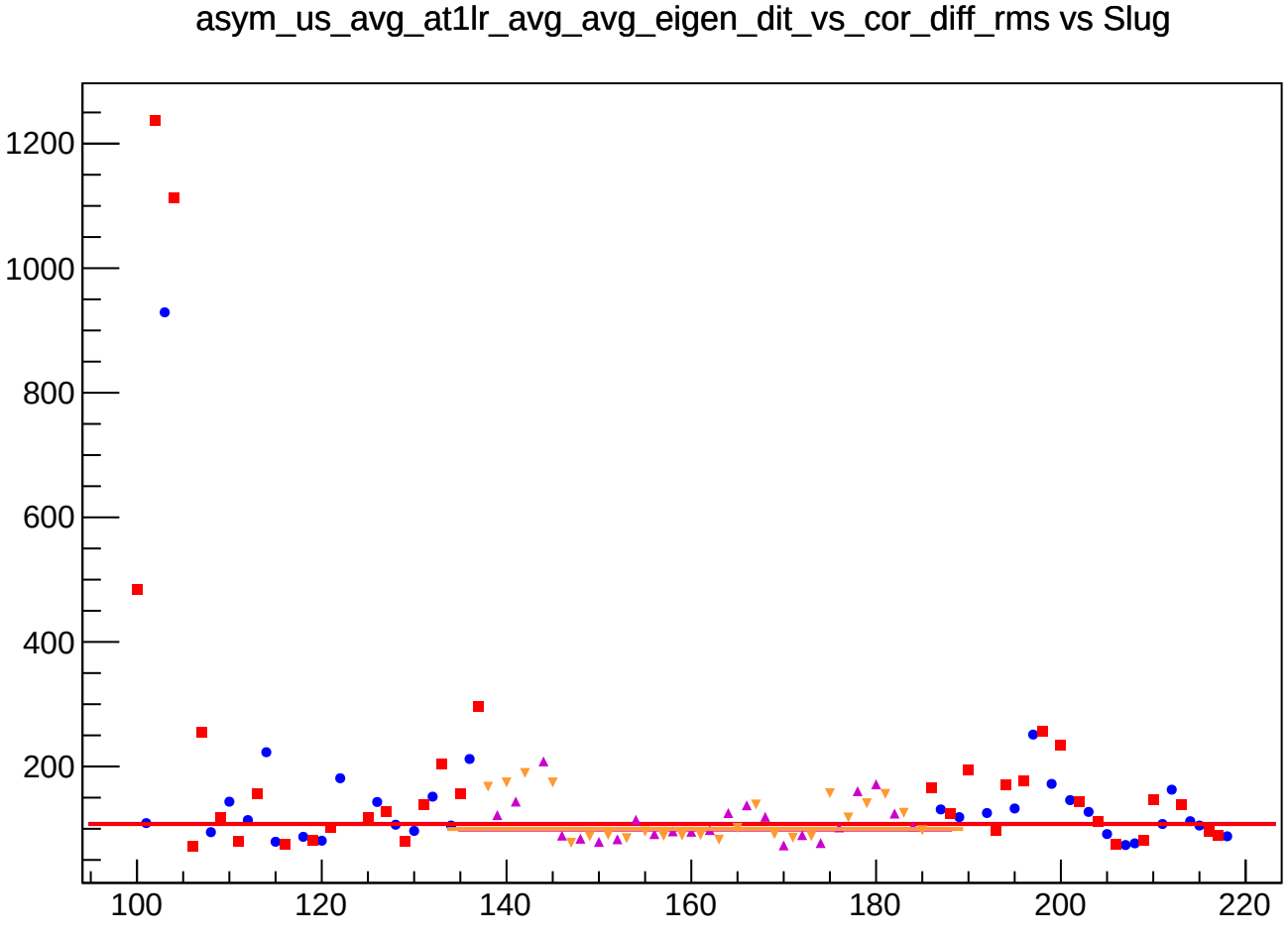
Left In: 0.004+/-0.000 χ^2/NDF:1277434.2/22

+ sign 0.004+/-0.000 χ^2/NDF: 7768332.5/55

All: 0.004+/-0.000 χ^2/NDF: 21362192.7/112

- sign 0.004+/-0.000 χ^2/NDF: 13236072.3/56


asym_us_avg_at1lr_avg_avg_eigen_dit_vs_cor_diff_mean vs Slug
3
2
1
0
−1
−2
100
120
140
160
180
200
220
Right In: 0.036+/-0.028 χ²/NDF: 39.6/31
Left Out: -0.007+/-0.025 χ²/NDF:27.7/23
Right Out: 0.018+/-0.028 χ²/NDF: 29.7/33
Left In: 0.044+/-0.025 χ²/NDF:30.3/22
+ sign 0.013+/-0.019 χ²/NDF: 68.5/55
All: 0.022+/-0.013 χ²/NDF: 129.5/112
- sign 0.032+/-0.019 χ²/NDF: 60.4/56



Right In: 107.855+/-0.020 χ^2/NDF: 3442159.2/31

Left Out: 99.590+/-0.018 χ^2/NDF:2070951.9/23

Right Out: 107.550+/-0.020 χ^2/NDF: 5089543.4/33

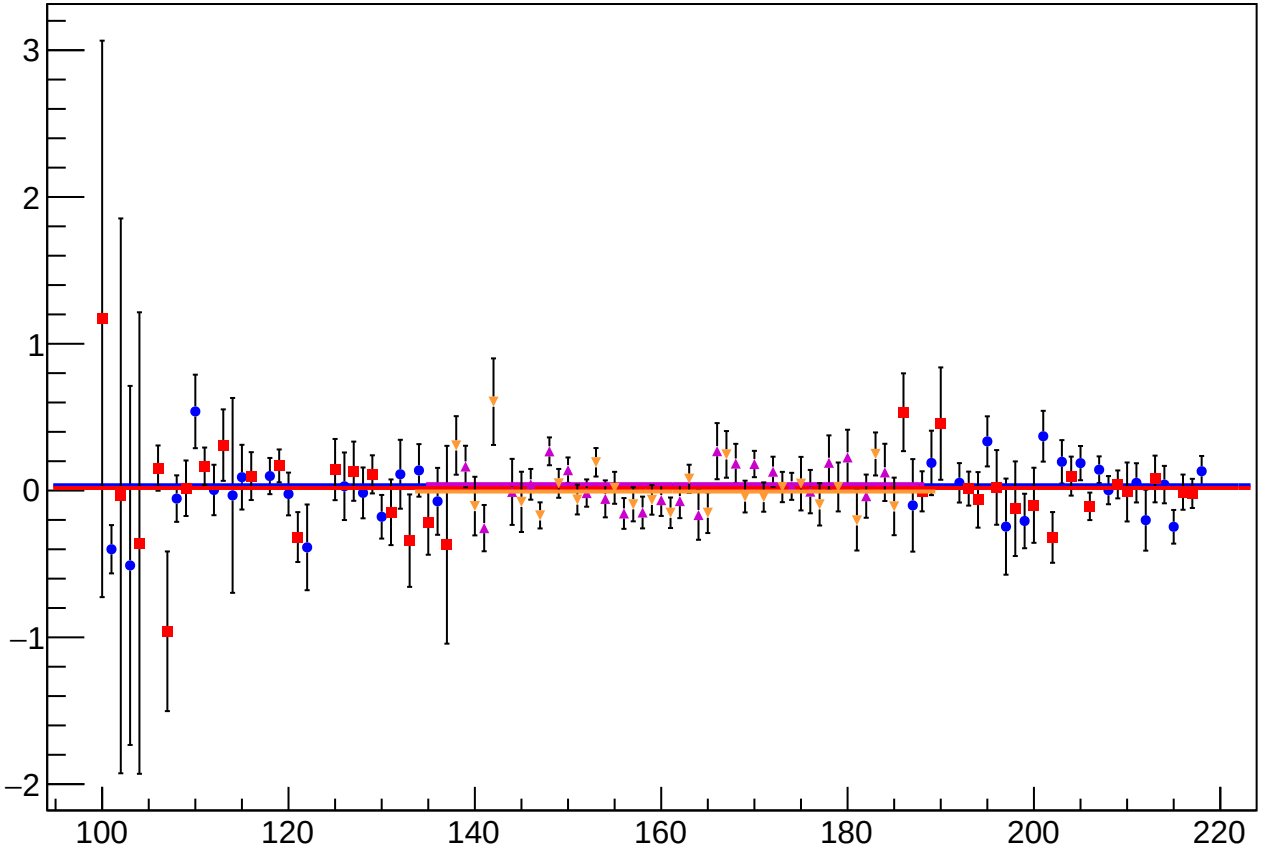
Left In: 98.669+/-0.018 χ^2/NDF:2003332.7/22

+ sign 103.333+/-0.013 χ^2/NDF: 5609603.6/55

All: 102.940+/-0.009 χ^2/NDF: 12813792.8/11

- sign 102.543+/-0.013 χ^2/NDF: 7202418.4/56

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.036+/-0.028 χ^2/NDF: 39.6/31

Left Out: -0.007+/-0.025 χ^2/NDF:27.7/23

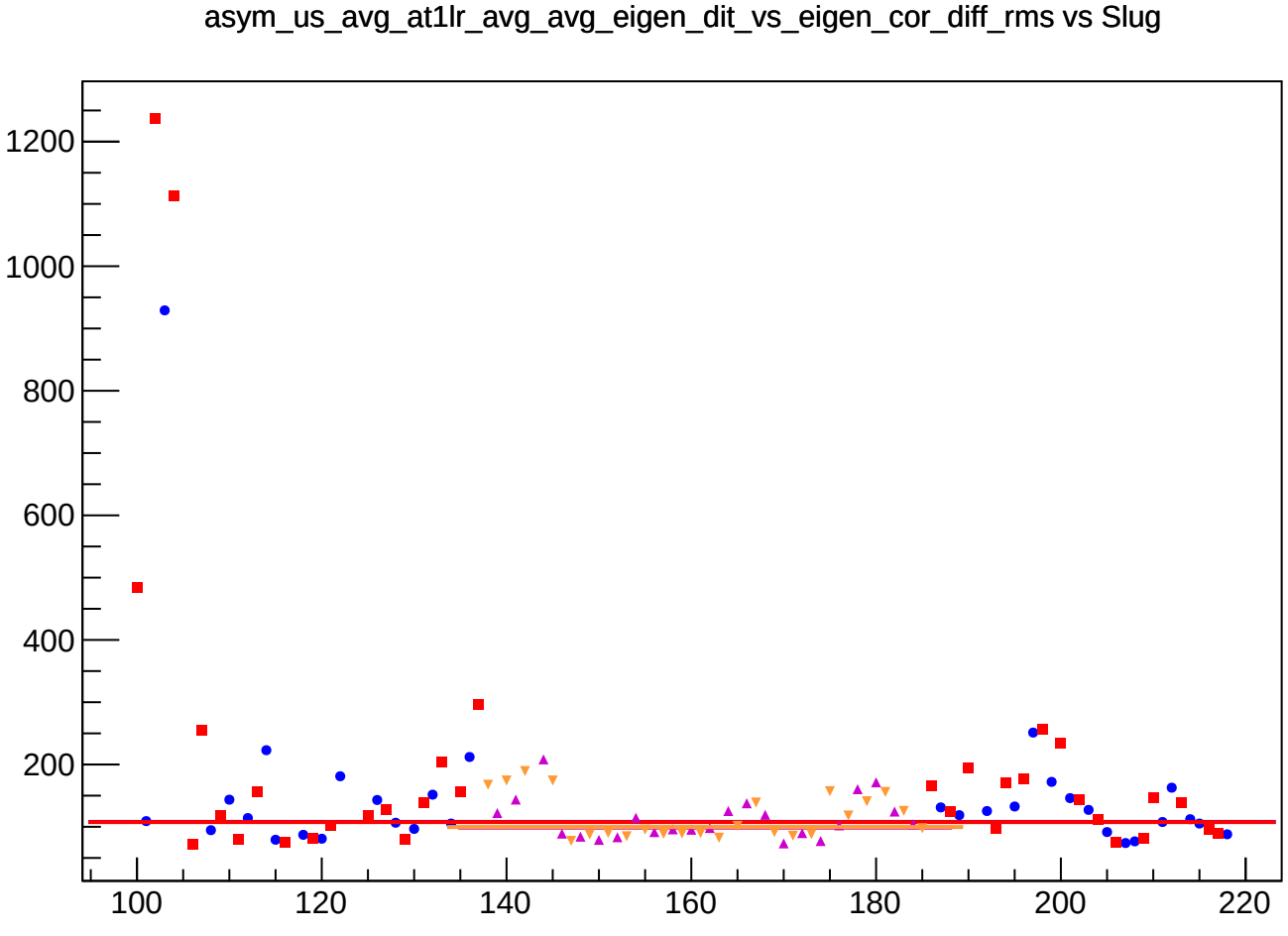
Right Out: 0.018+/-0.028 χ^2/NDF: 29.7/33

Left In: 0.044+/-0.025 χ^2/NDF:30.3/22

+ sign 0.013+/-0.019 χ^2/NDF: 68.5/55

All: 0.022+/-0.013 χ^2/NDF: 129.5/112

- sign 0.032+/-0.019 χ^2/NDF: 60.4/56



Right In: 107.855+/-0.020 χ^2/NDF: 3442159.2/31

Left Out: 99.590+/-0.018 χ^2/NDF:2070951.9/23

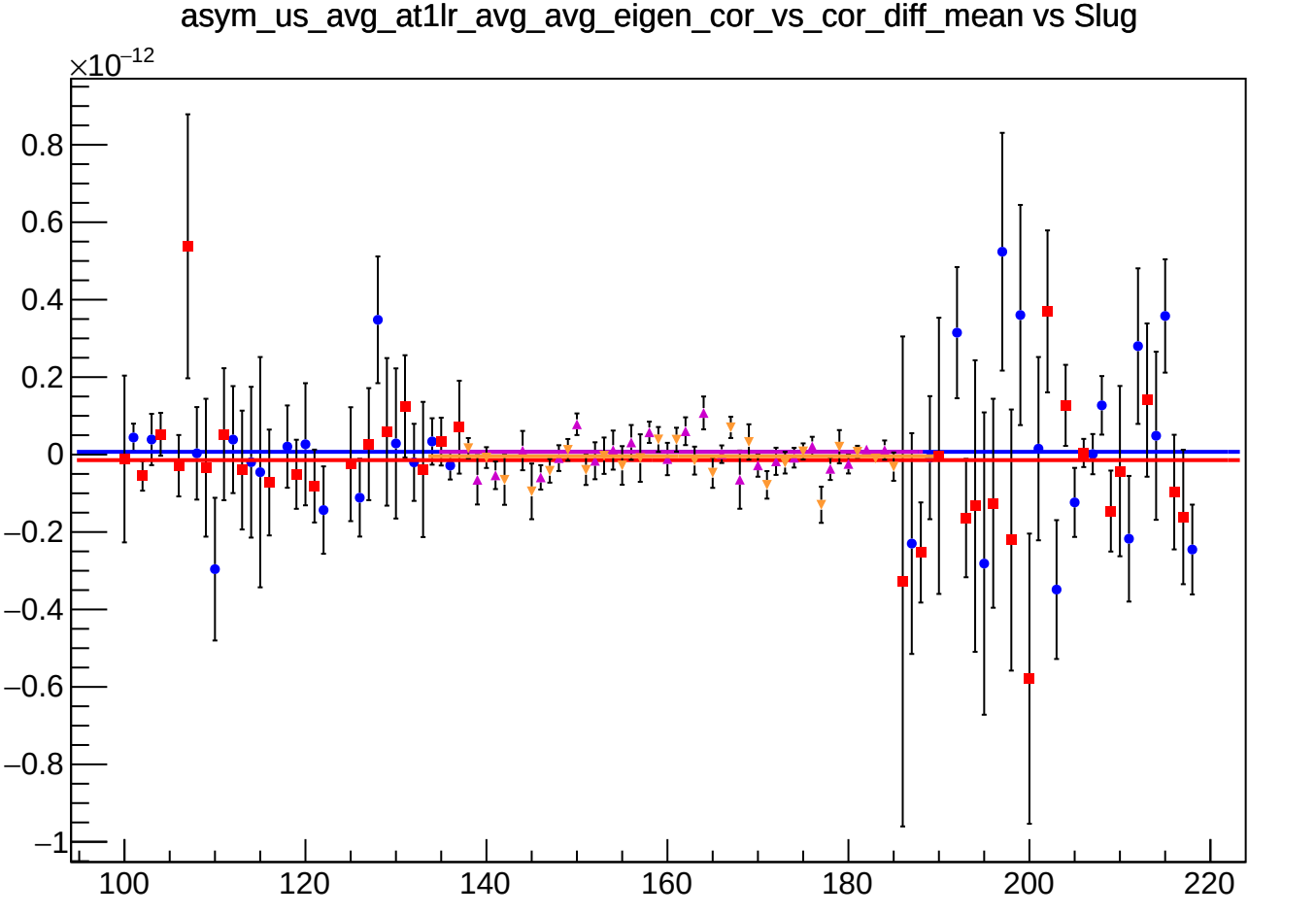
Right Out: 107.550+/-0.020 χ^2/NDF: 5089543.4/33

Left In: 98.669+/-0.018 χ^2/NDF:2003332.7/22

+ sign 103.333+/-0.013 χ^2/NDF: 5609603.6/55

All: 102.940+/-0.009 χ^2/NDF: 12813792.8/11

- sign 102.543+/-0.013 χ^2/NDF: 7202418.4/56



Right In: 0.000+/-0.000 χ^2/NDF: 44.7/31

Left Out: -0.000+/-0.000 χ^2/NDF:32.9/23

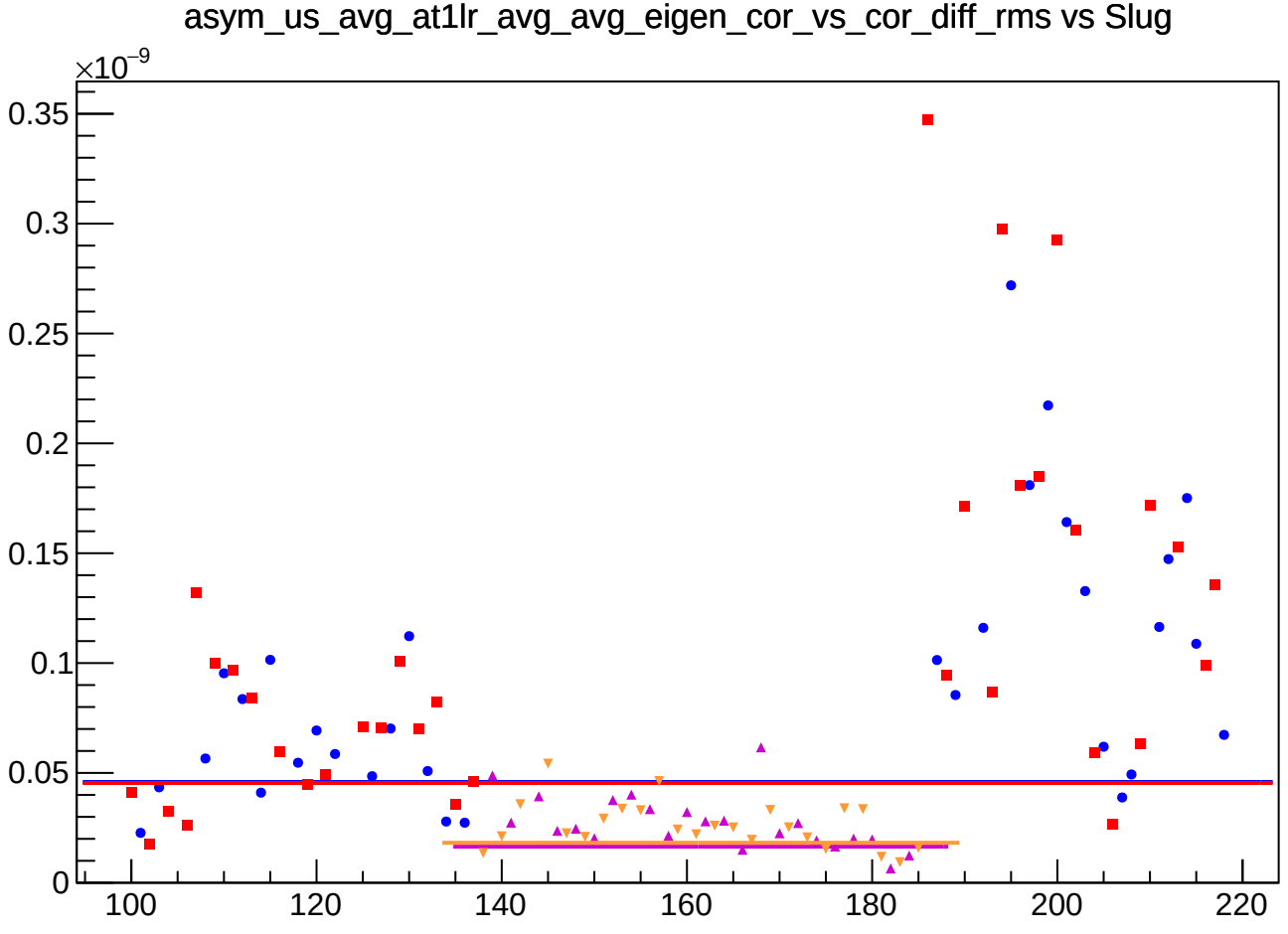
Right Out: -0.000+/-0.000 χ^2/NDF: 25.0/33

Left In: 0.000+/-0.000 χ^2/NDF:35.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 78.1/55

All: 0.000+/-0.000 χ^2/NDF: 140.9/112

- sign 0.000+/-0.000 χ^2/NDF: 61.6/56



Right In: 0.000+/-0.000 χ^2/NDF: 7737185.3/31

Left Out: 0.000+/-0.000 χ^2/NDF:4306302.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 9452341.8/33

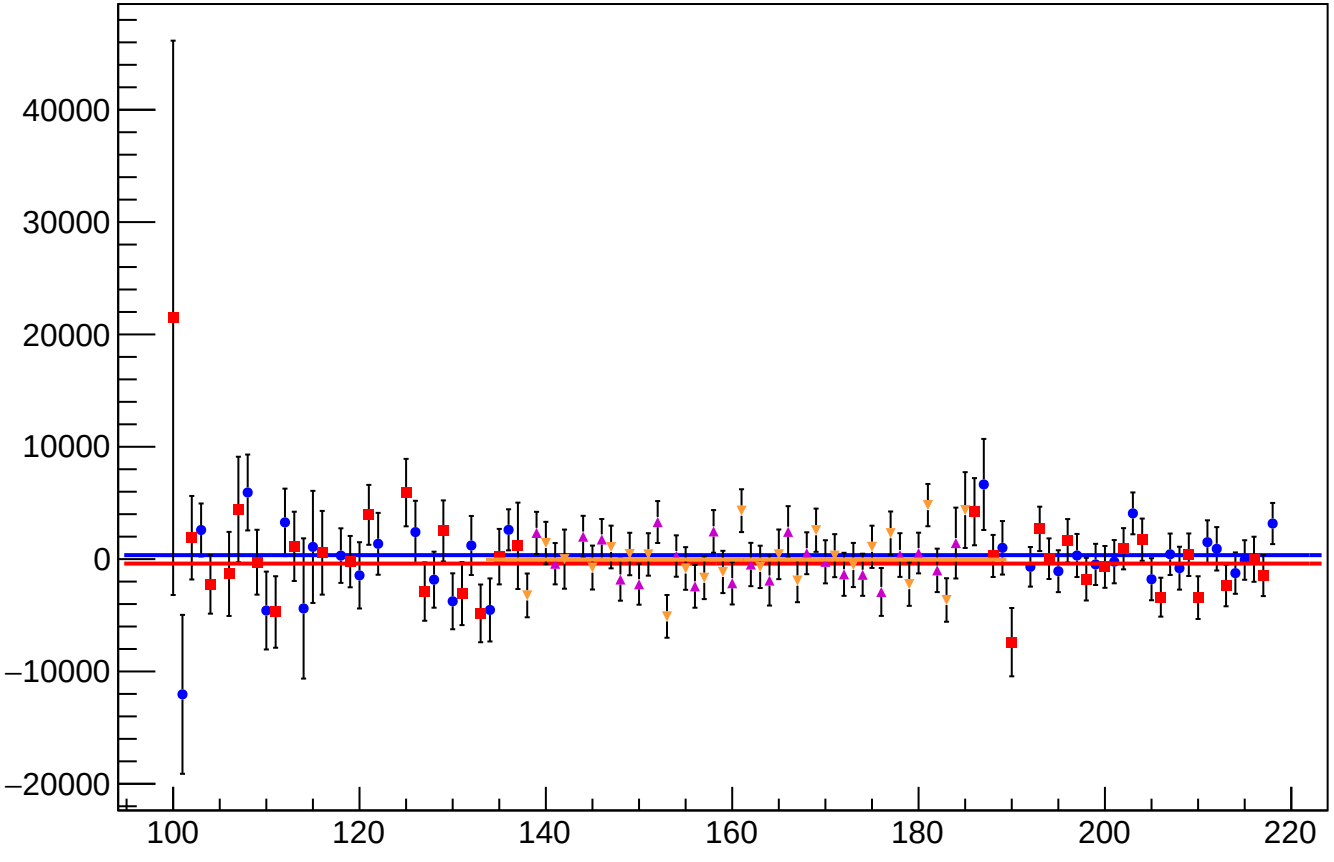
Left In: 0.000+/-0.000 χ^2/NDF:7007463.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 17153191.0/55

All: 0.000+/-0.000 χ^2/NDF: 38959079.8/112

- sign 0.000+/-0.000 χ^2/NDF: 21625470.6/56

reg_asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: 353.792+/-399.672 χ^2/NDF: 32.4/31

Left Out: -34.799+/-401.970 χ^2/NDF:35.4/23

Right Out: -397.130+/-402.139 χ^2/NDF: 39.2/33

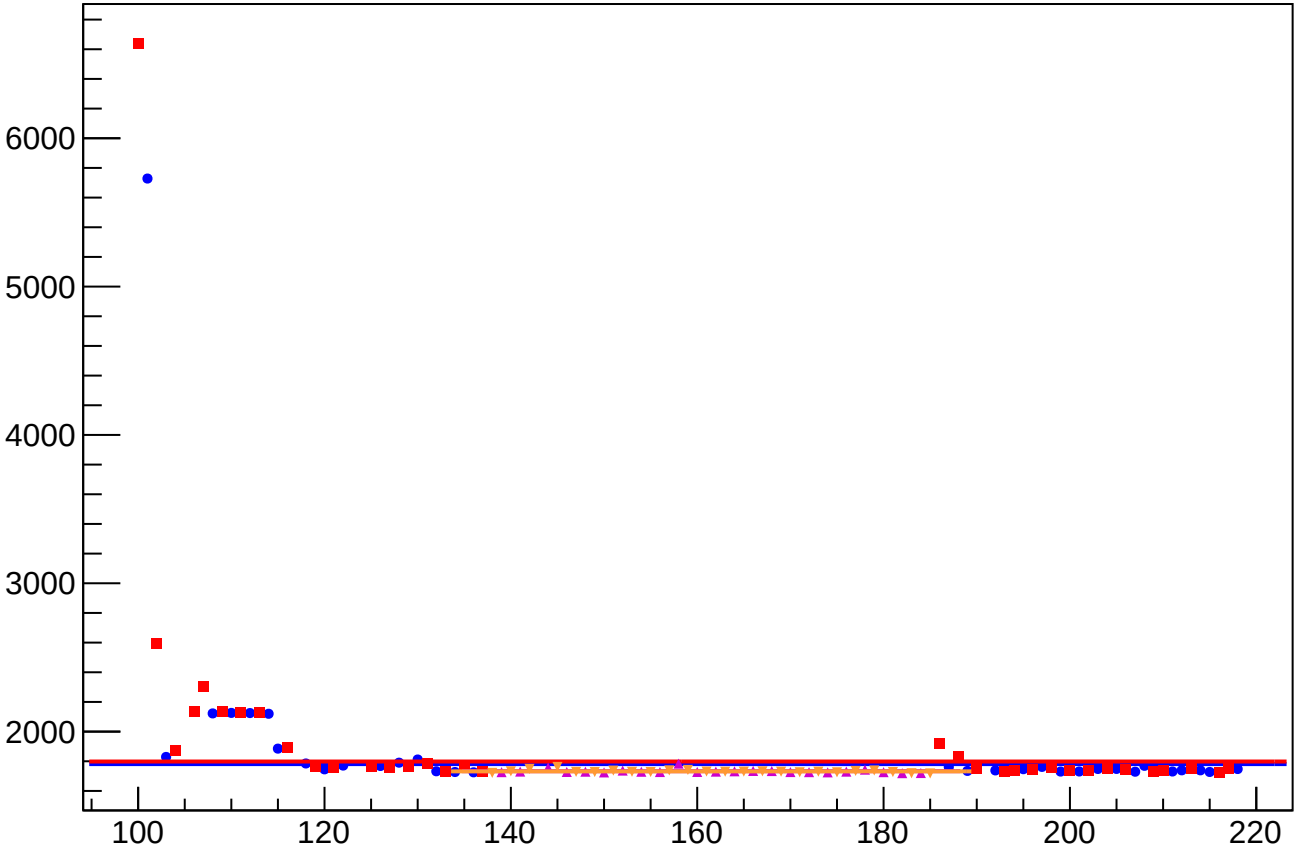
Left In: -52.796+/-404.703 χ^2/NDF:19.4/22

+ sign 160.611+/-283.420 χ^2/NDF: 68.3/55

All: -31.474+/-201.055 χ^2/NDF: 128.1/112

- sign -226.057+/-285.257 χ^2/NDF: 58.9/56

reg_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1780.967+/-0.283 χ^2/NDF: 715160.3/31

Left Out: 1731.985+/-0.284 χ^2/NDF:937.2/23

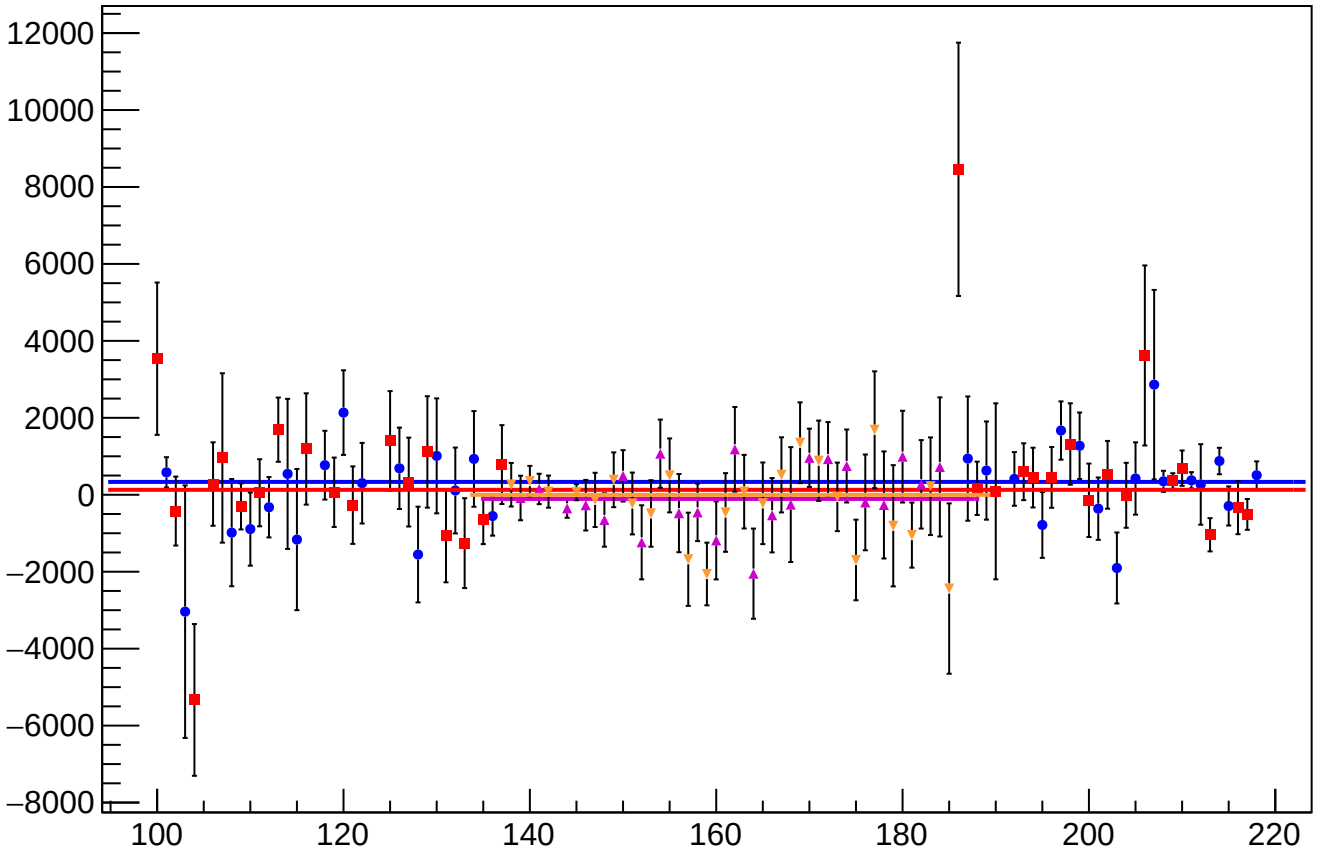
Right Out: 1798.366+/-0.284 χ^2/NDF: 316992.1/33

Left In: 1733.315+/-0.286 χ^2/NDF:2230.5/22

+ sign 1756.616+/-0.200 χ^2/NDF: 731031.0/55

All: 1761.302+/-0.142 χ^2/NDF: 1077354.7/11

- sign 1766.048+/-0.202 χ^2/NDF: 345223.5/56



Right In: 334.147+/-106.185 χ^2/NDF: 32.4/31

Left Out: -2.406+/-130.052 χ^2/NDF:20.3/23

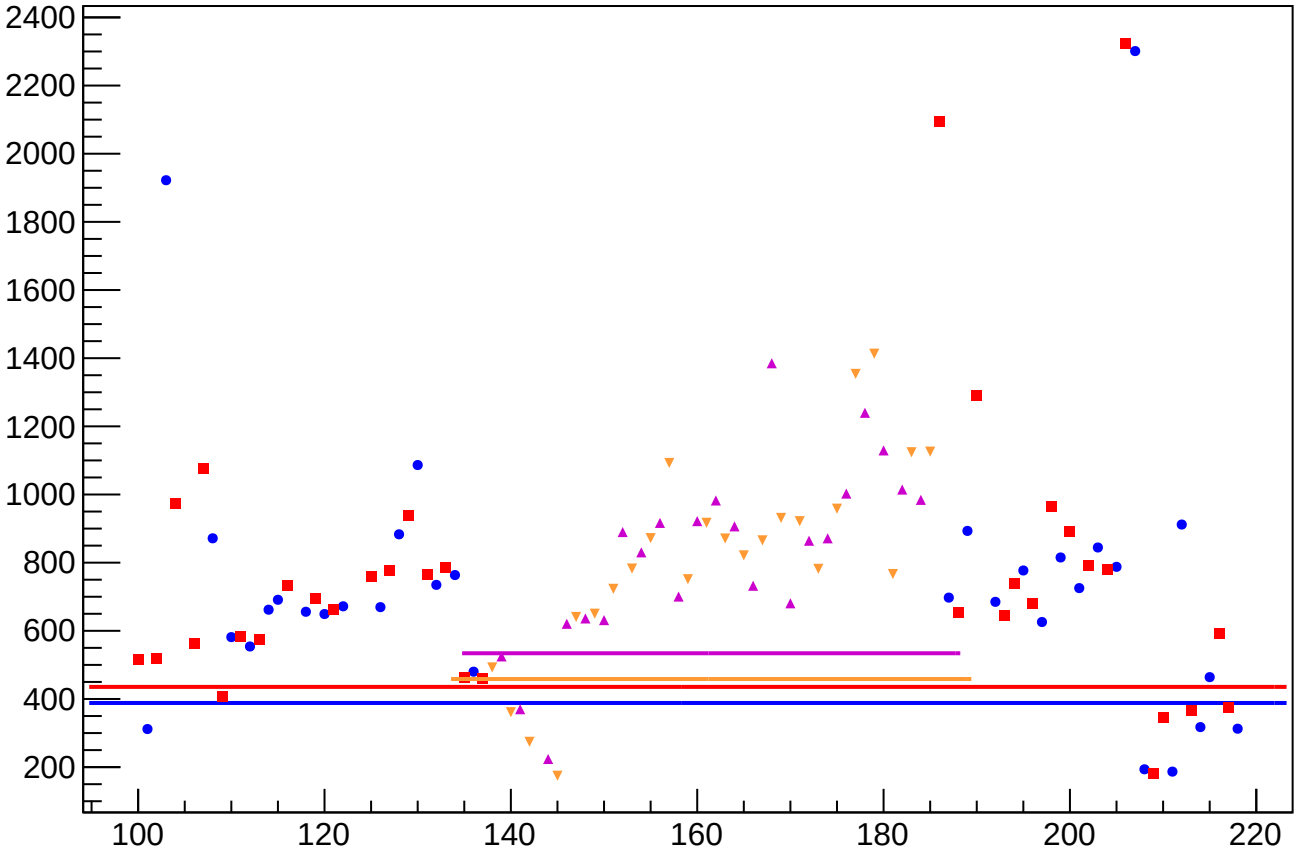
Right Out: 128.371+/-117.048 χ^2/NDF: 45.6/33

Left In: -108.386+/-143.315 χ^2/NDF:17.0/22

+ sign 199.528+/-82.251 χ^2/NDF: 56.7/55

All: 124.626+/-60.915 χ^2/NDF: 122.8/112

- sign 33.637+/-90.655 χ^2/NDF: 64.2/56



Right In: 388.300+/-0.075 χ^2/NDF: 10575081.6/31

Left Out: 458.579+/-0.092 χ^2/NDF:11426734.4/23

Right Out: 435.470+/-0.083 χ^2/NDF: 9696730.1/33

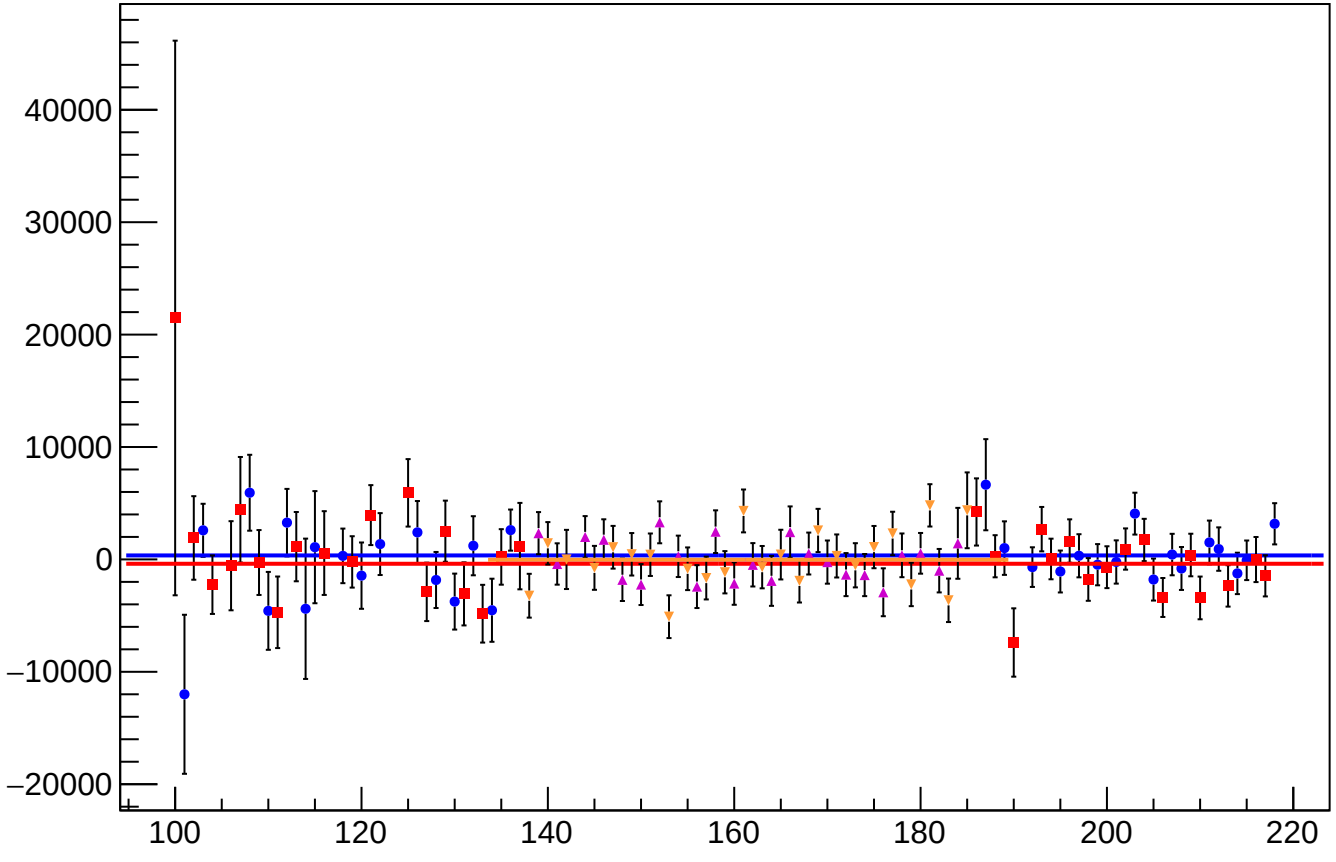
Left In: 534.161+/-0.101 χ^2/NDF:8443293.1/22

+ sign 416.411+/-0.058 χ^2/NDF: 22352250.8/55

All: 442.846+/-0.043 χ^2/NDF: 41518753.9/11

- sign 474.959+/-0.064 χ^2/NDF: 18708947.2/56

cor_asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: 353.821+/-399.672 χ^2/NDF: 32.4/31

Left Out: -34.742+/-401.970 χ^2/NDF:35.4/23

Right Out: -388.115+/-402.392 χ^2/NDF: 39.1/33

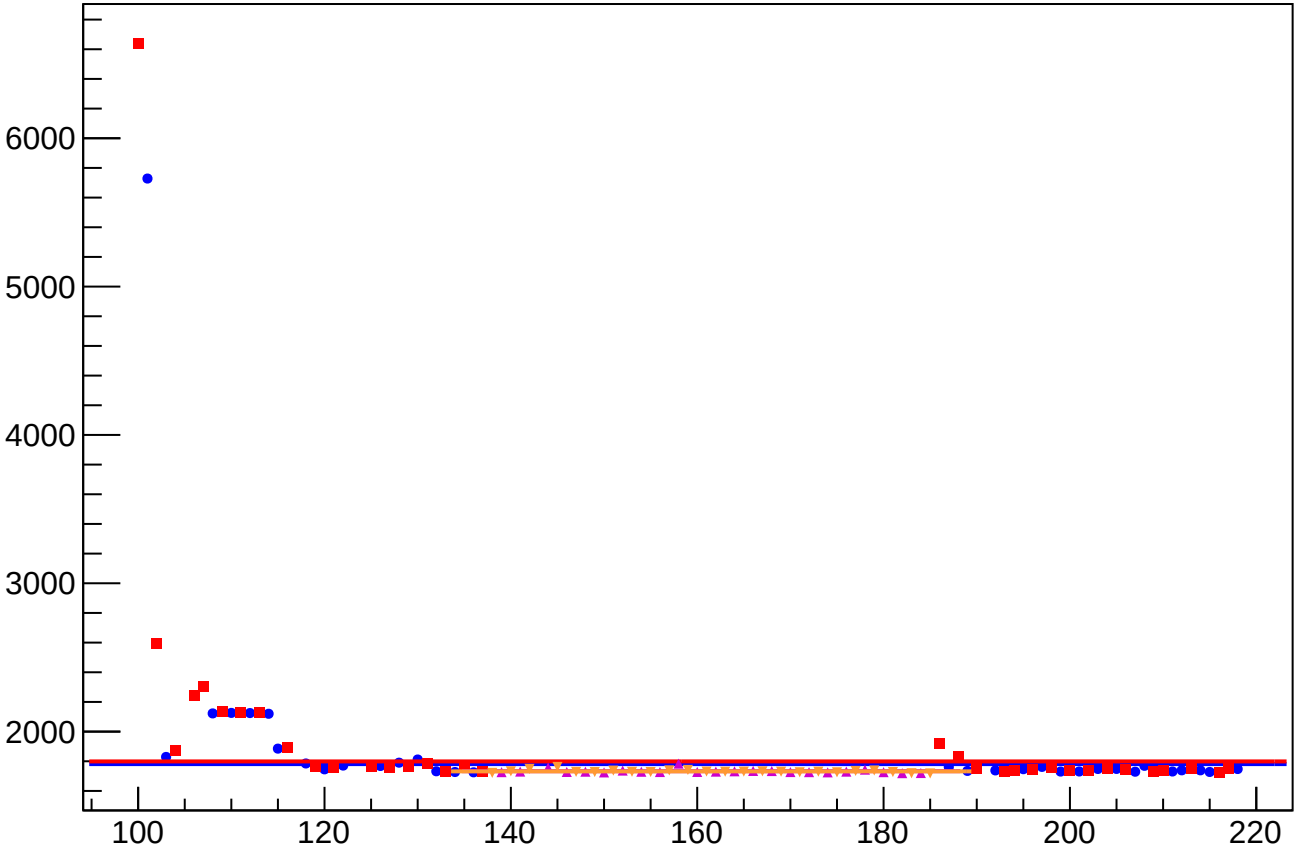
Left In: -52.714+/-404.703 χ^2/NDF:19.4/22

+ sign 160.653+/-283.420 χ^2/NDF: 68.3/55

All: -29.066+/-201.086 χ^2/NDF: 128.0/112

- sign -221.374+/-285.348 χ^2/NDF: 58.9/56

cor_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1780.967+/-0.283 χ^2/NDF: 715160.2/31

Left Out: 1731.985+/-0.284 χ^2/NDF:937.2/23

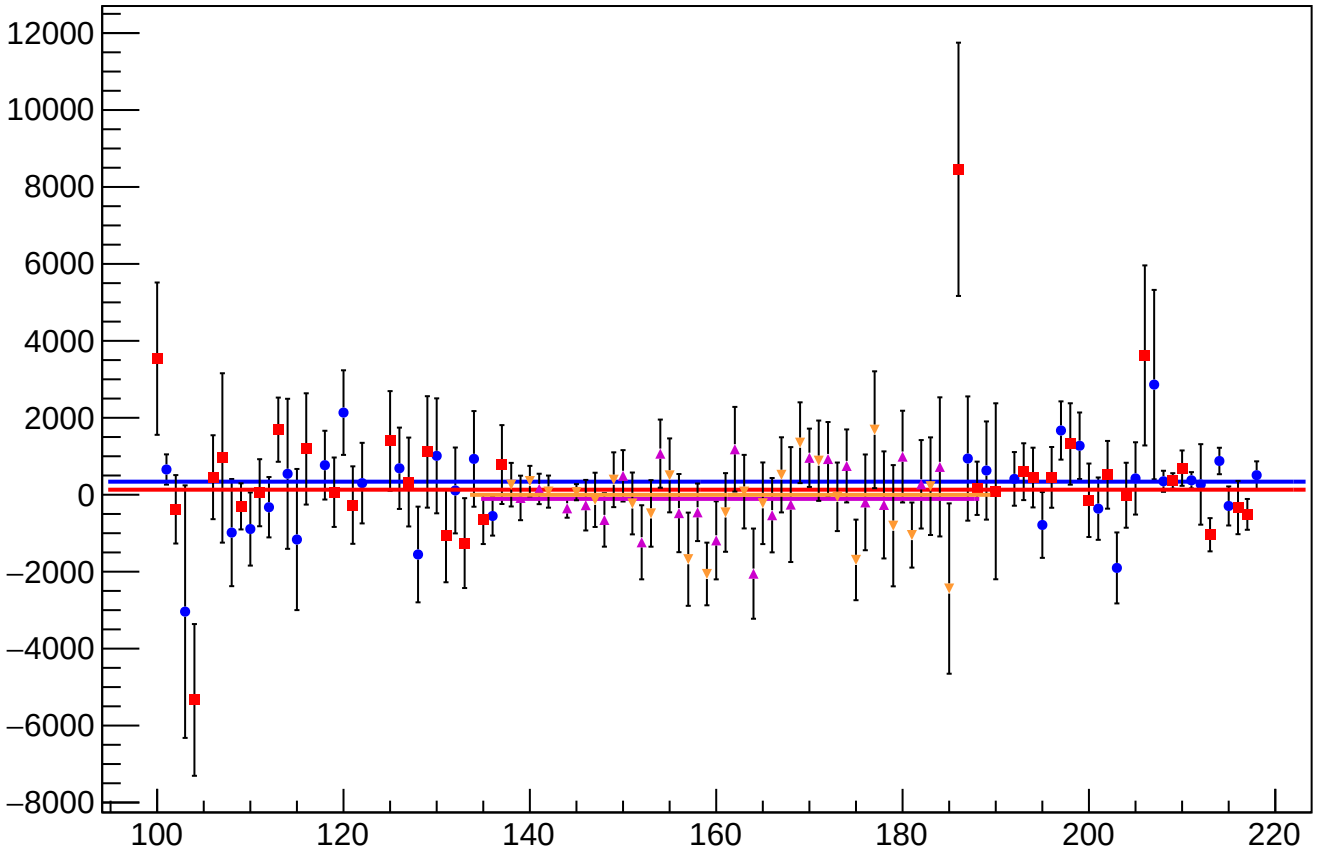
Right Out: 1799.023+/-0.285 χ^2/NDF: 325657.1/33

Left In: 1733.315+/-0.286 χ^2/NDF:2230.5/22

+ sign 1756.616+/-0.200 χ^2/NDF: 731030.8/55

All: 1761.454+/-0.142 χ^2/NDF: 1086603.8/11

- sign 1766.357+/-0.202 χ^2/NDF: 354399.7/56



Right In: 339.613+/-106.174 χ^2/NDF: 32.7/31

Left Out: -2.529+/-130.054 χ^2/NDF:20.3/23

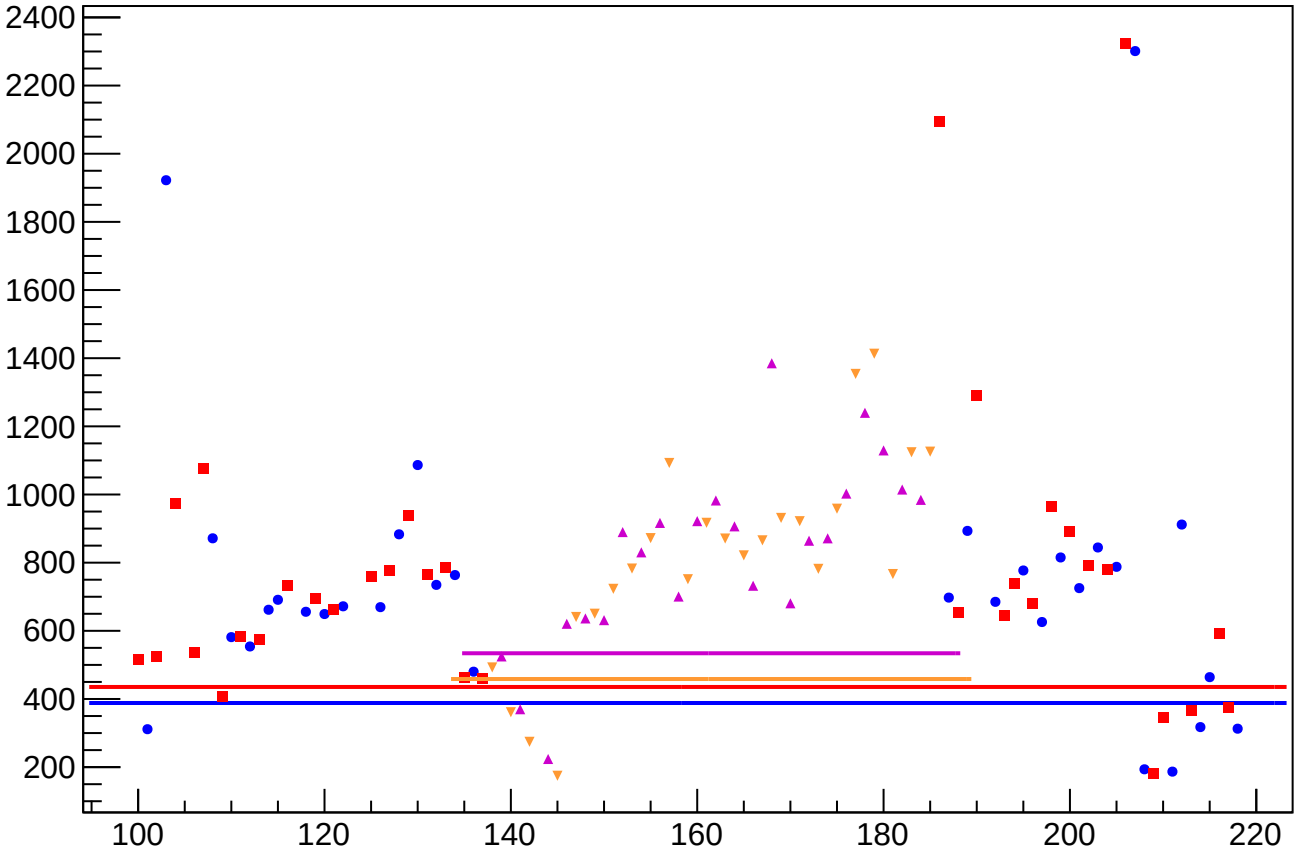
Right Out: 131.086+/-117.039 χ^2/NDF: 45.6/33

Left In: -108.358+/-143.315 χ^2/NDF:17.0/22

+ sign 202.779+/-82.246 χ^2/NDF: 57.1/55

All: 127.155+/-60.912 χ^2/NDF: 123.3/112

- sign 35.286+/-90.651 χ^2/NDF: 64.3/56



Right In: 388.233+/-0.075 χ^2/NDF: 10577148.1/31

Left Out: 458.589+/-0.092 χ^2/NDF:11426319.1/23

Right Out: 435.265+/-0.083 χ^2/NDF: 9690034.1/33

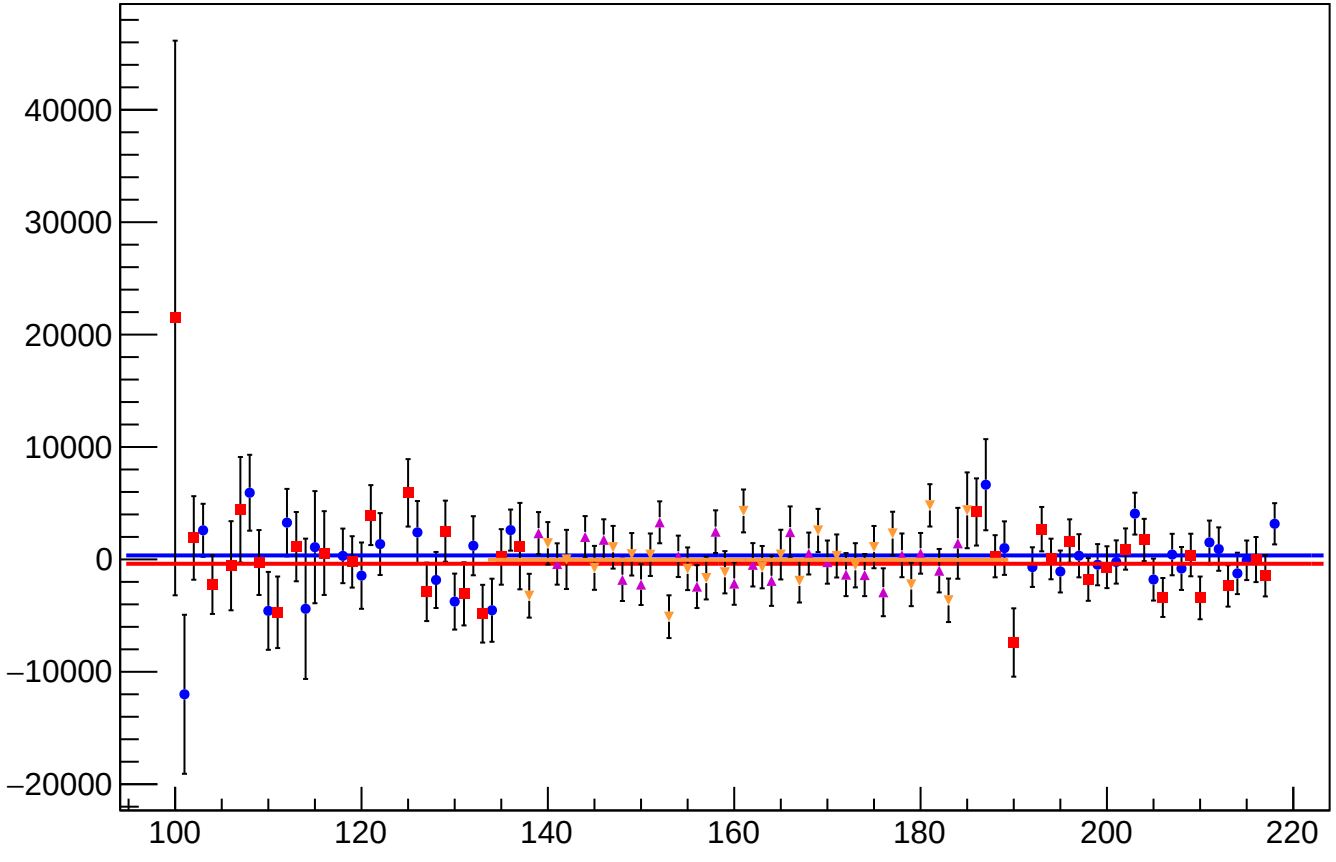
Left In: 534.168+/-0.101 χ^2/NDF:8442812.5/22

+ sign 416.371+/-0.058 χ^2/NDF: 22354692.9/55

All: 442.768+/-0.043 χ^2/NDF: 41515249.9/11

- sign 474.836+/-0.064 χ^2/NDF: 18704260.4/56

eigen_cor_asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: 353.821+/-399.672 χ^2/NDF: 32.4/31

Left Out: -34.742+/-401.970 χ^2/NDF:35.4/23

Right Out: -388.115+/-402.392 χ^2/NDF: 39.1/33

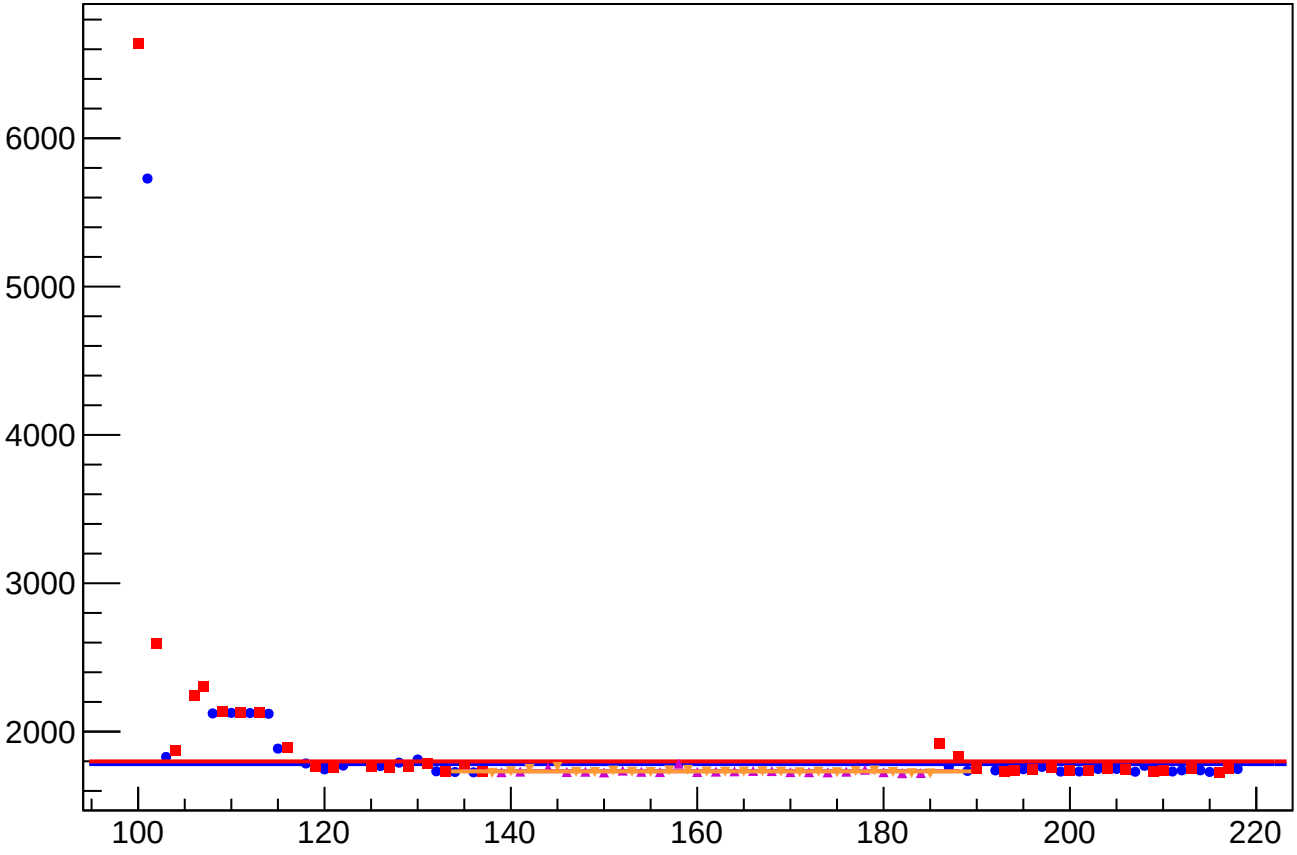
Left In: -52.714+/-404.703 χ^2/NDF:19.4/22

+ sign 160.653+/-283.420 χ^2/NDF: 68.3/55

All: -29.066+/-201.086 χ^2/NDF: 128.0/112

- sign -221.374+/-285.348 χ^2/NDF: 58.9/56

eigen_cor_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1780.967+/-0.283 χ^2/NDF: 715160.2/31

Left Out: 1731.985+/-0.284 χ^2/NDF:937.2/23

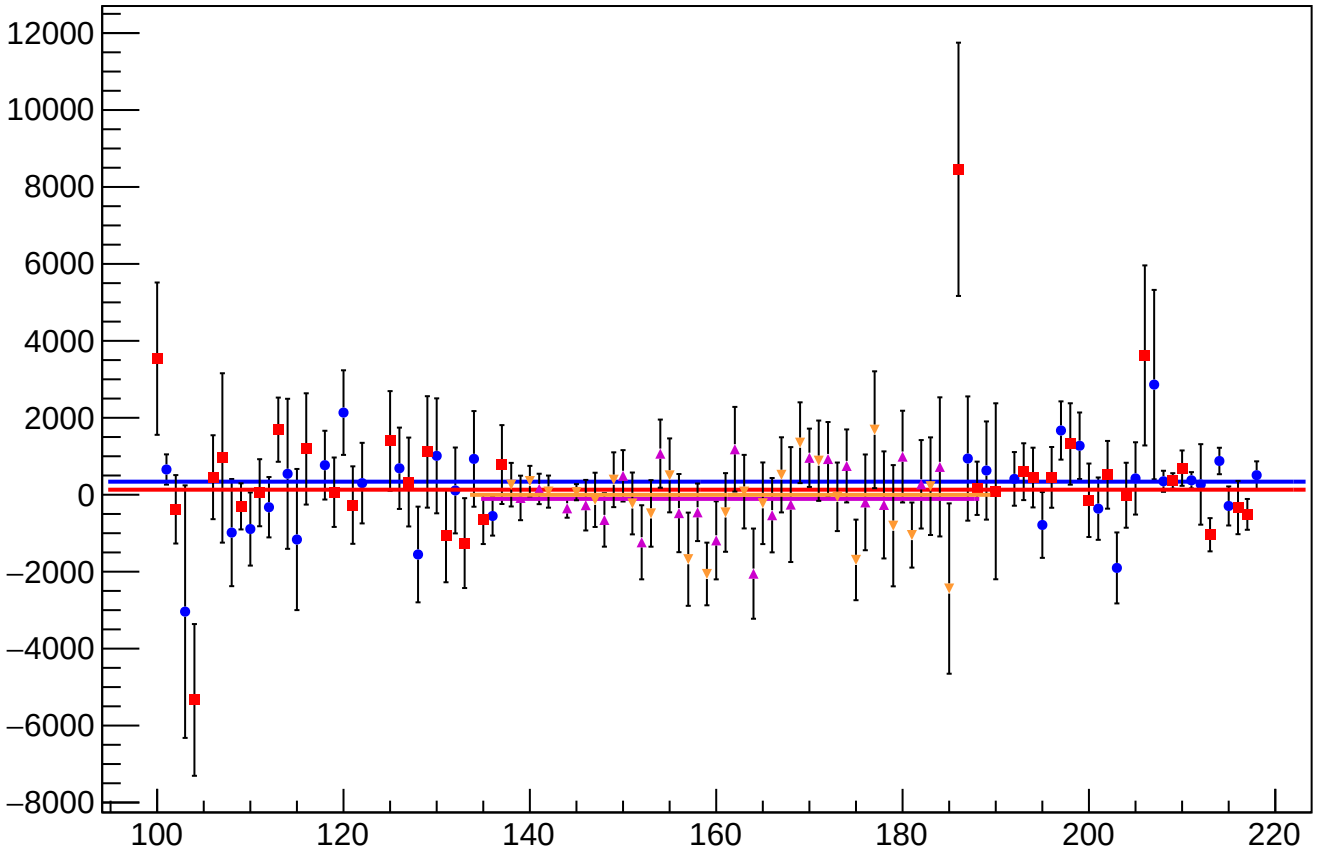
Right Out: 1799.023+/-0.285 χ^2/NDF: 325657.1/33

Left In: 1733.315+/-0.286 χ^2/NDF:2230.5/22

+ sign 1756.616+/-0.200 χ^2/NDF: 731030.8/55

All: 1761.454+/-0.142 χ^2/NDF: 1086603.8/11

- sign 1766.357+/-0.202 χ^2/NDF: 354399.7/56



Right In: 339.613+/-106.174 χ^2/NDF: 32.7/31

Left Out: -2.529+/-130.054 χ^2/NDF:20.3/23

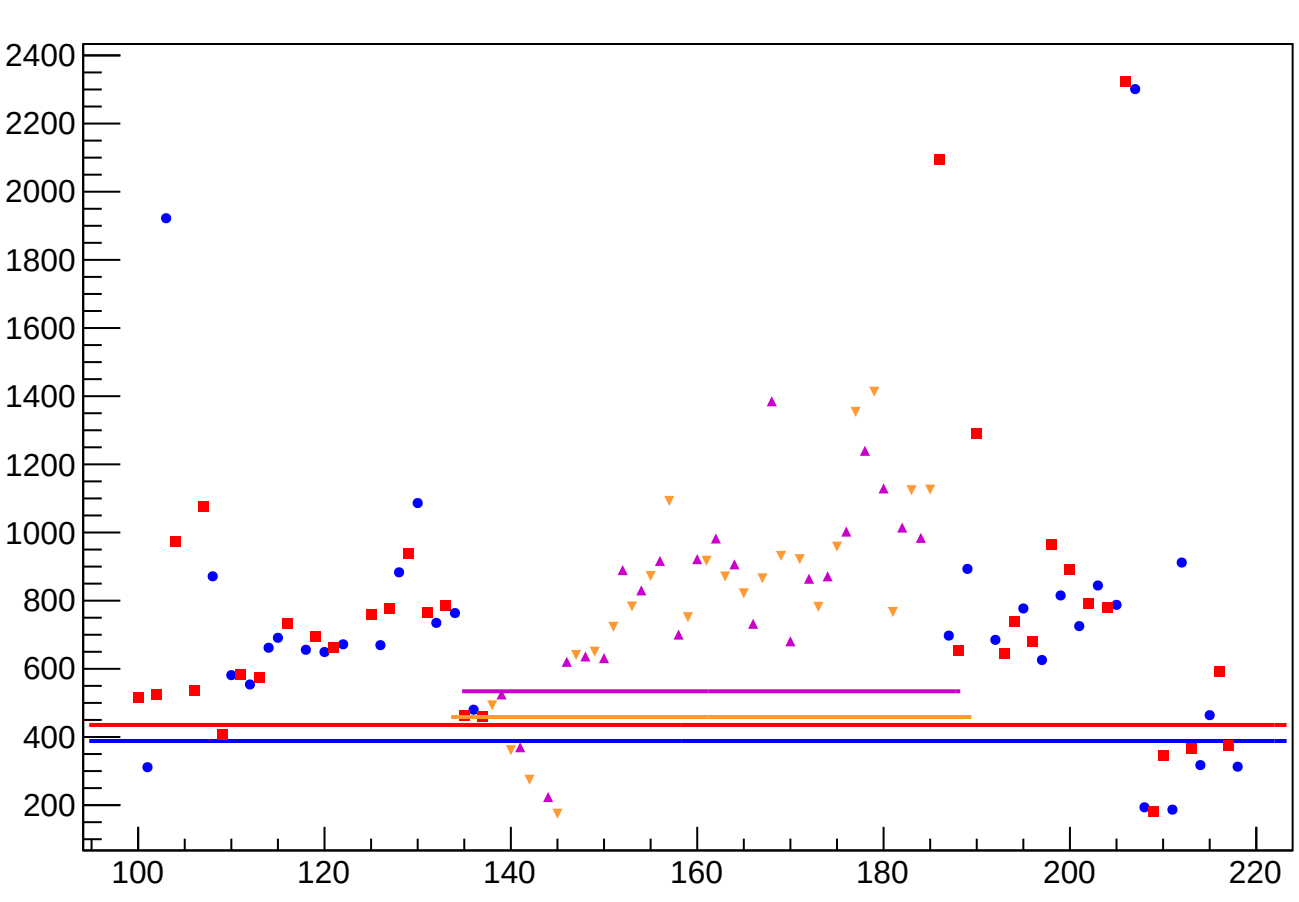
Right Out: 131.086+/-117.039 χ^2/NDF: 45.6/33

Left In: -108.358+/-143.315 χ^2/NDF:17.0/22

+ sign 202.779+/-82.246 χ^2/NDF: 57.1/55

All: 127.155+/-60.912 χ^2/NDF: 123.3/112

- sign 35.286+/-90.651 χ^2/NDF: 64.3/56



Right In: 388.233+/-0.075 χ^2/NDF: 10577148.1/31

Left Out: 458.589+/-0.092 χ^2/NDF:11426319.1/23

Right Out: 435.265+/-0.083 χ^2/NDF: 9690034.1/33

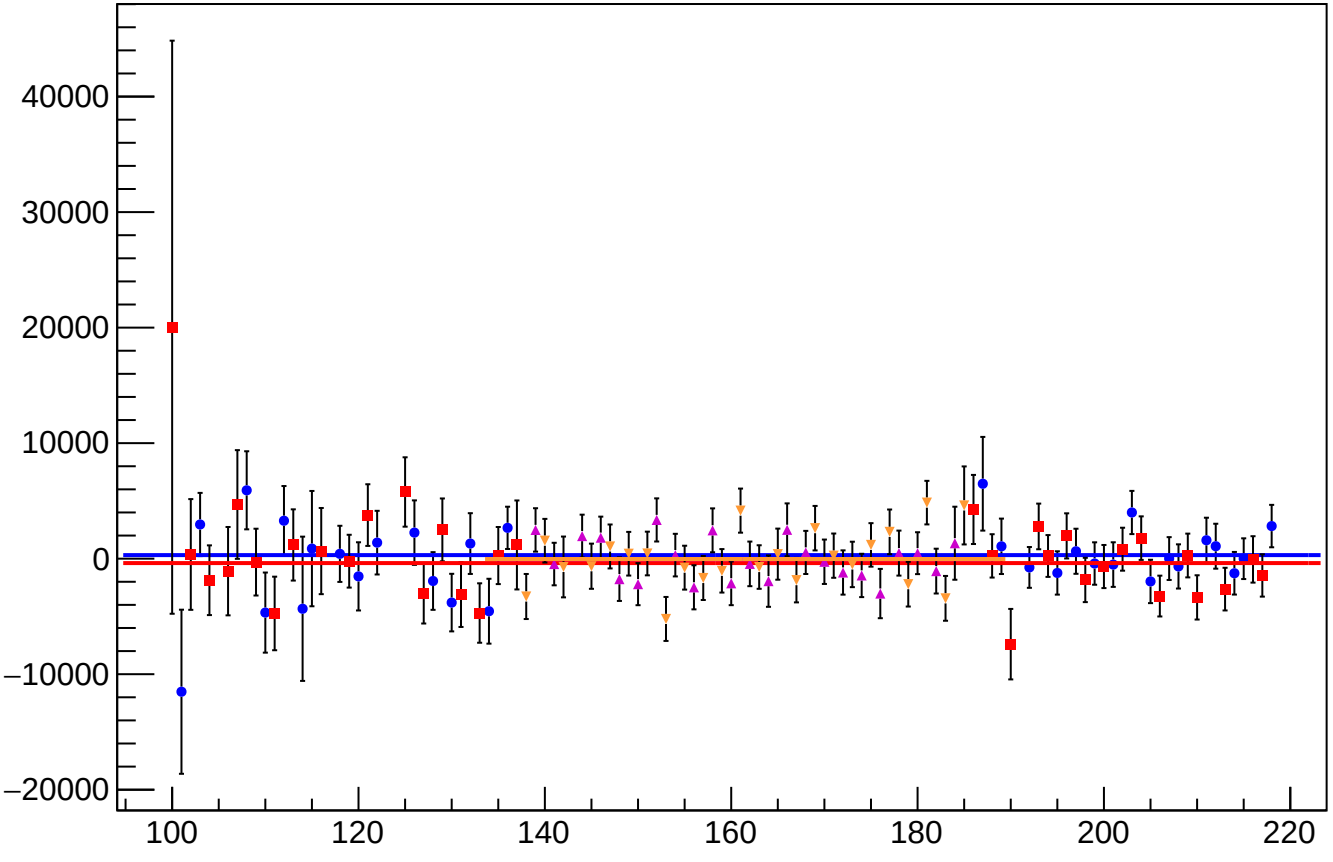
Left In: 534.168+/-0.101 χ^2/NDF:8442812.5/22

+ sign 416.371+/-0.058 χ^2/NDF: 22354692.9/55

All: 442.768+/-0.043 χ^2/NDF: 41515249.9/11

- sign 474.836+/-0.064 χ^2/NDF: 18704260.4/56

dit_asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: 308.177+/-402.313 χ^2/NDF: 32.1/31

Left Out: -29.389+/-402.317 χ^2/NDF:35.4/23

Right Out: -381.638+/-406.035 χ^2/NDF: 38.4/33

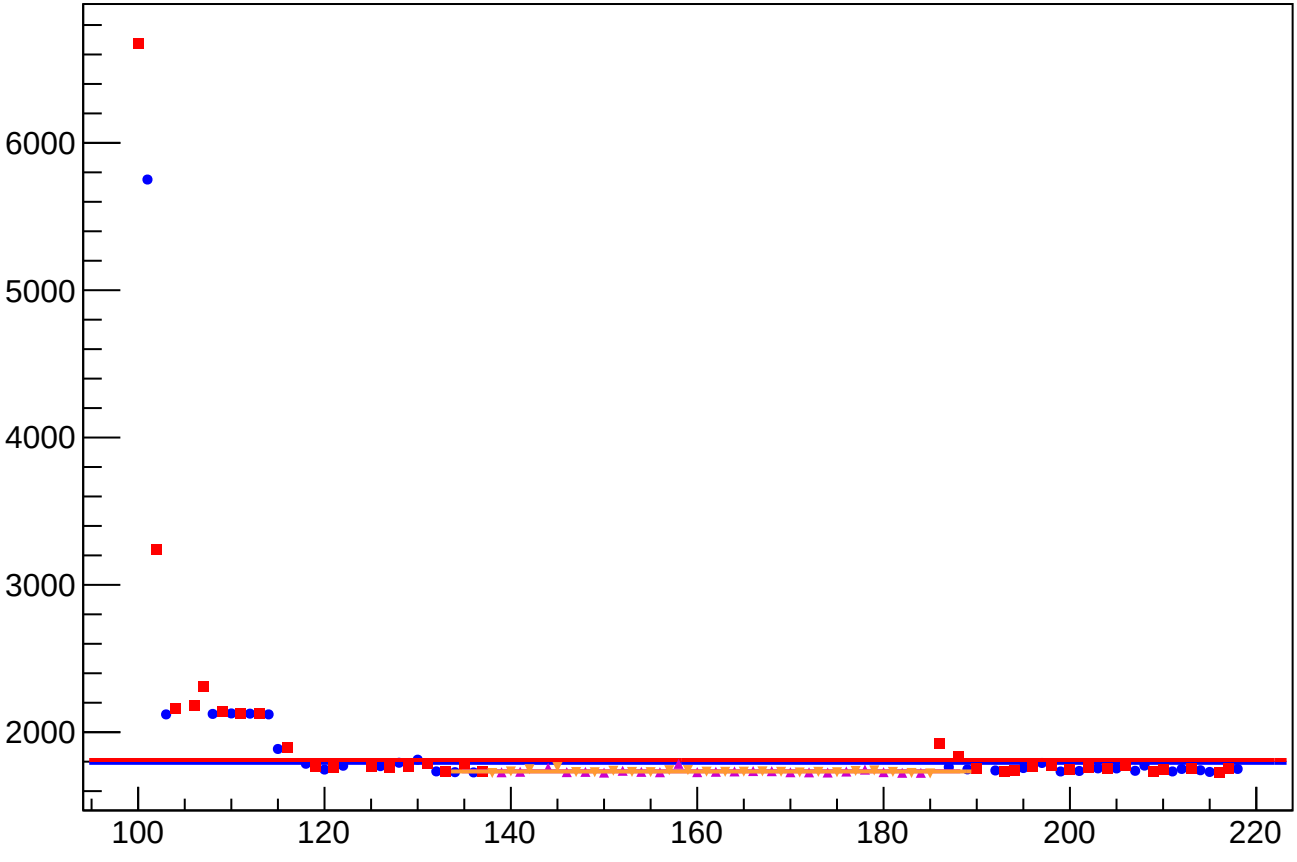
Left In: -42.465+/-405.052 χ^2/NDF:19.9/22

+ sign 139.396+/-284.480 χ^2/NDF: 67.9/55

All: -34.720+/-201.960 χ^2/NDF: 127.3/112

- sign -211.640+/-286.762 χ^2/NDF: 58.6/56

dit_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1792.072+/-0.284 χ^2/NDF: 742689.0/31

Left Out: 1733.478+/-0.284 χ^2/NDF:901.3/23

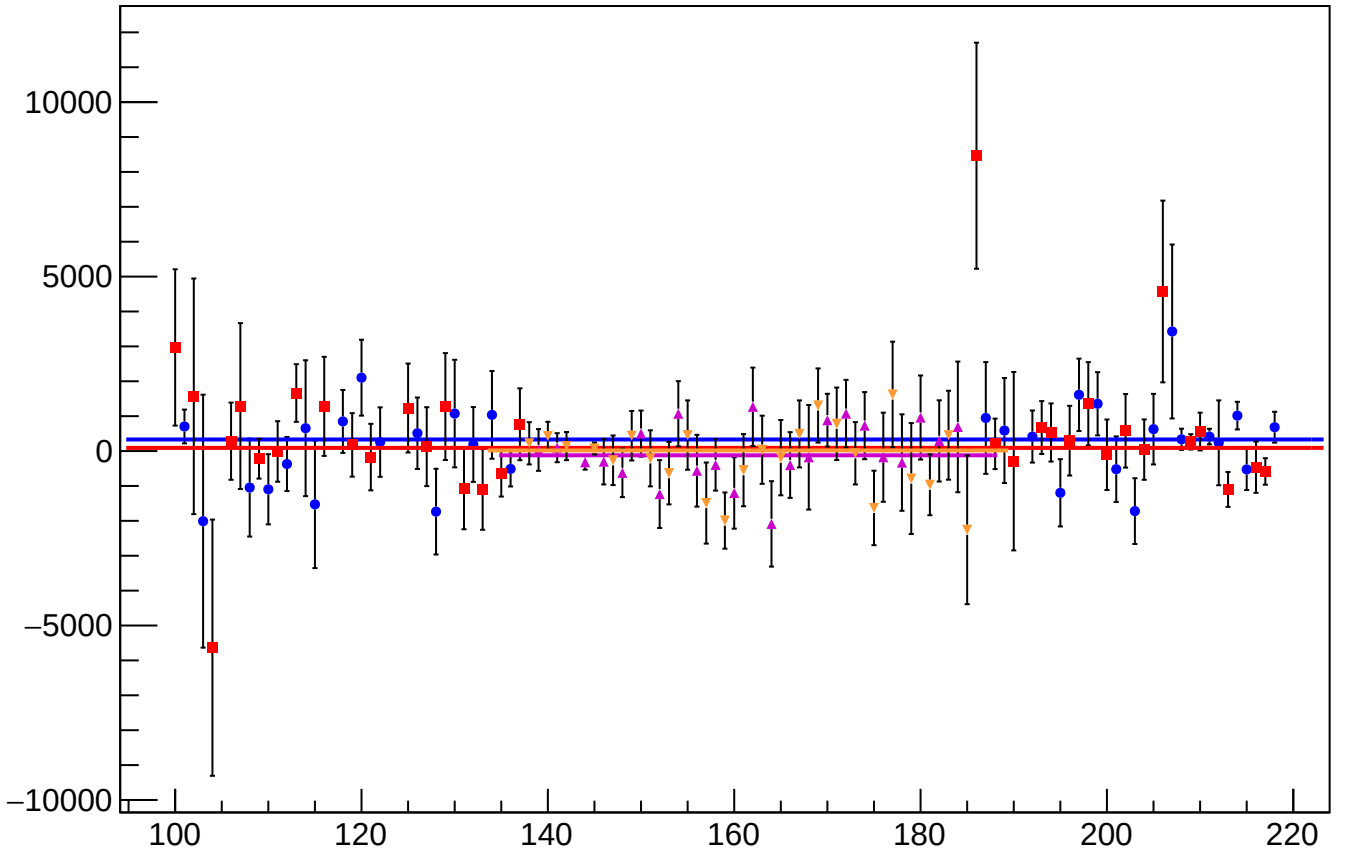
Right Out: 1811.301+/-0.287 χ^2/NDF: 428247.2/33

Left In: 1734.810+/-0.286 χ^2/NDF:2175.7/22

+ sign 1762.775+/-0.201 χ^2/NDF: 764801.4/55

All: 1767.828+/-0.143 χ^2/NDF: 1232071.6/11

- sign 1772.963+/-0.203 χ^2/NDF: 465998.1/56



Right In: 331.898+/-116.407 χ^2/NDF: 33.6/31

Left Out: 18.027+/-119.333 χ^2/NDF:19.4/23

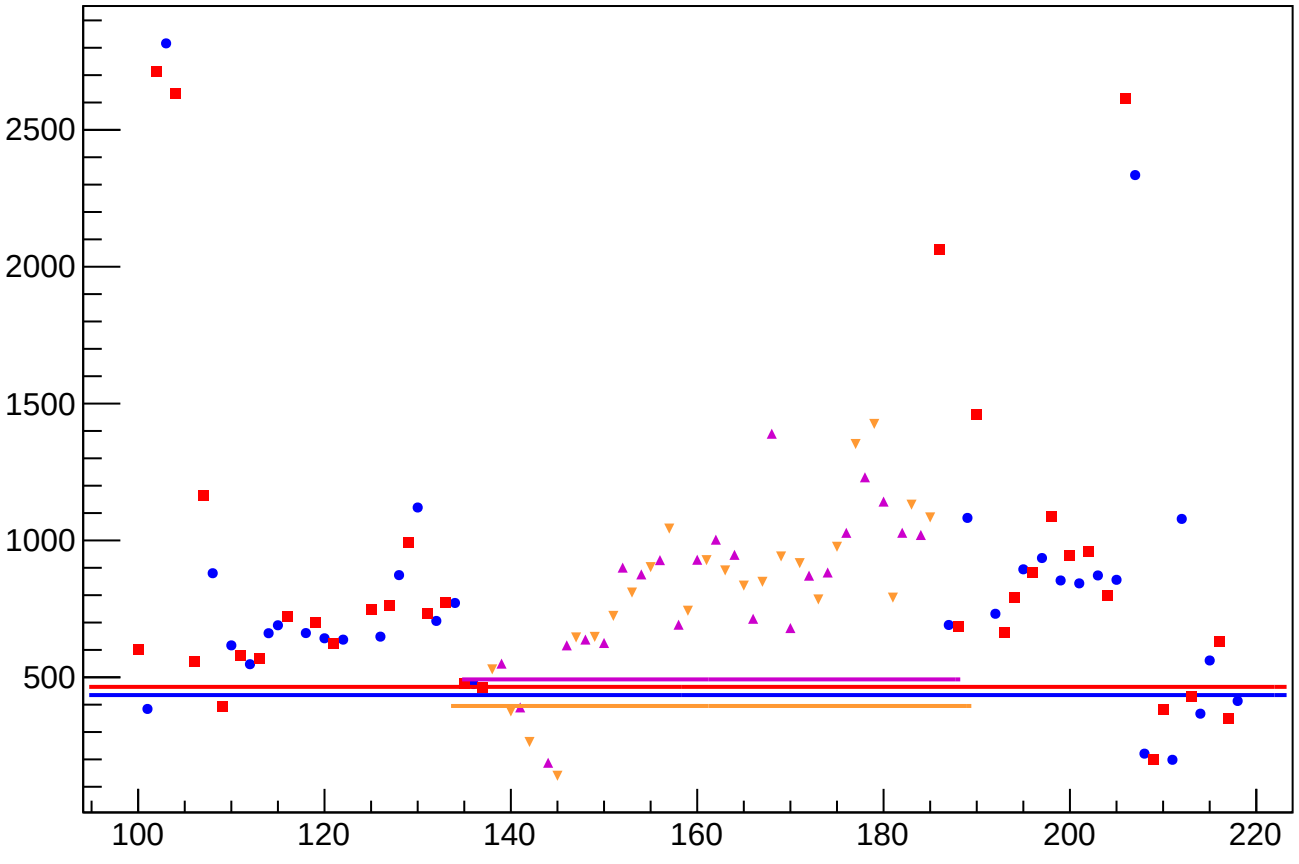
Right Out: 91.277+/-125.065 χ^2/NDF: 37.1/33

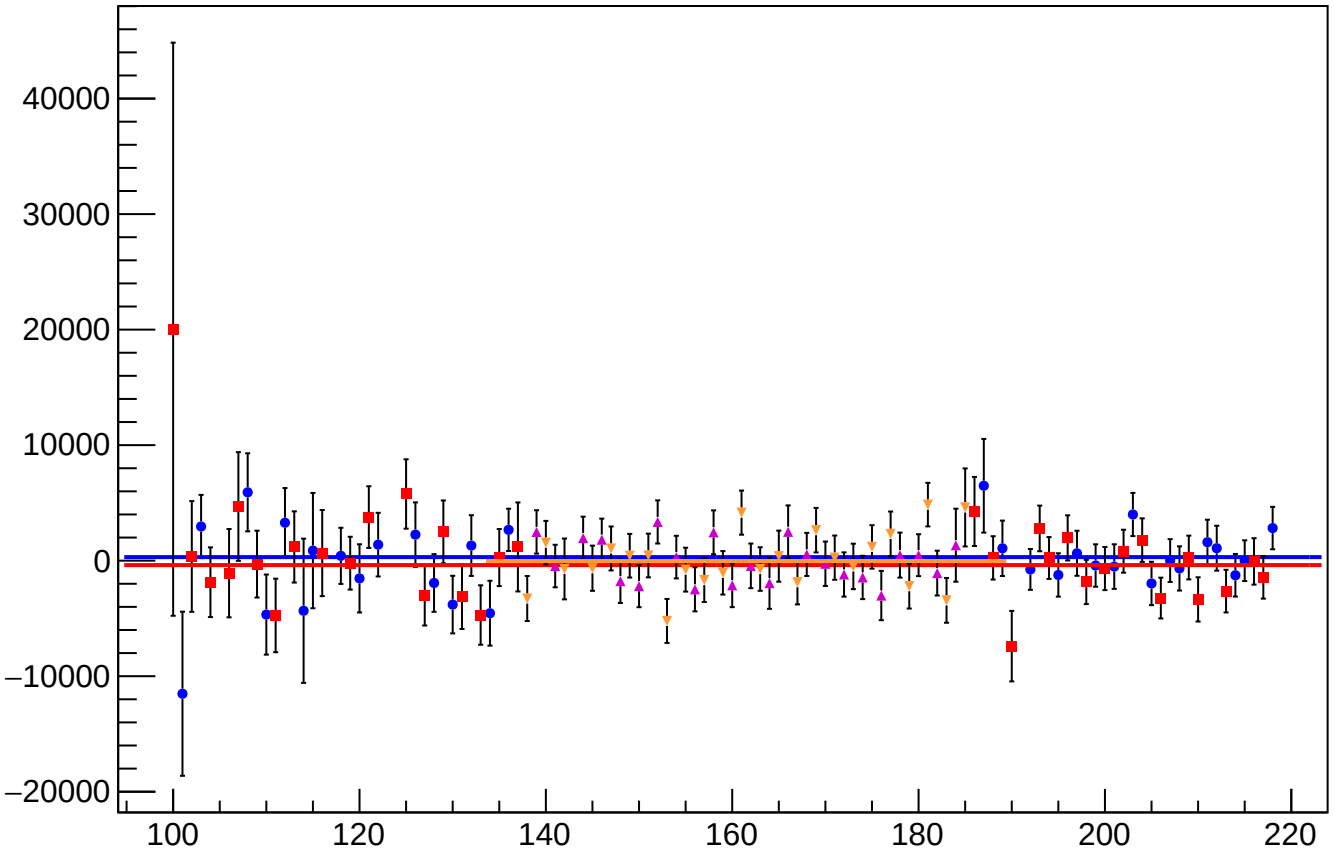
Left In: -121.705+/-137.150 χ^2/NDF:16.5/22

+ sign 178.858+/-83.327 χ^2/NDF: 56.6/55

All: 96.220+/-61.885 χ^2/NDF: 113.7/112

- sign -5.419+/-92.412 χ^2/NDF: 54.9/56


asym_us_avg_at1lr_avg_dd_dit_correction_rms vs Slug
2500
2000
1500
1000
500
100
120
140
160
180
200
220
Right In: 435.003+/-0.082 χ²/NDF: 10914592.3/31
Left Out: 395.188+/-0.084 χ²/NDF:14334419.9/23
Right Out: 464.962+/-0.088 χ²/NDF: 10978616.7/33
Left In: 492.294+/-0.097 χ²/NDF:10419498.8/22
+ sign 415.590+/-0.059 χ²/NDF: 25363095.3/55
All: 443.295+/-0.044 χ²/NDF: 47297613.4/11
- sign 477.371+/-0.065 χ²/NDF: 21441484.9/56



Right In: 308.178+/-402.313 χ^2/NDF: 32.1/31

Left Out: -29.392+/-402.317 χ^2/NDF:35.4/23

Right Out: -381.640+/-406.036 χ^2/NDF: 38.4/33

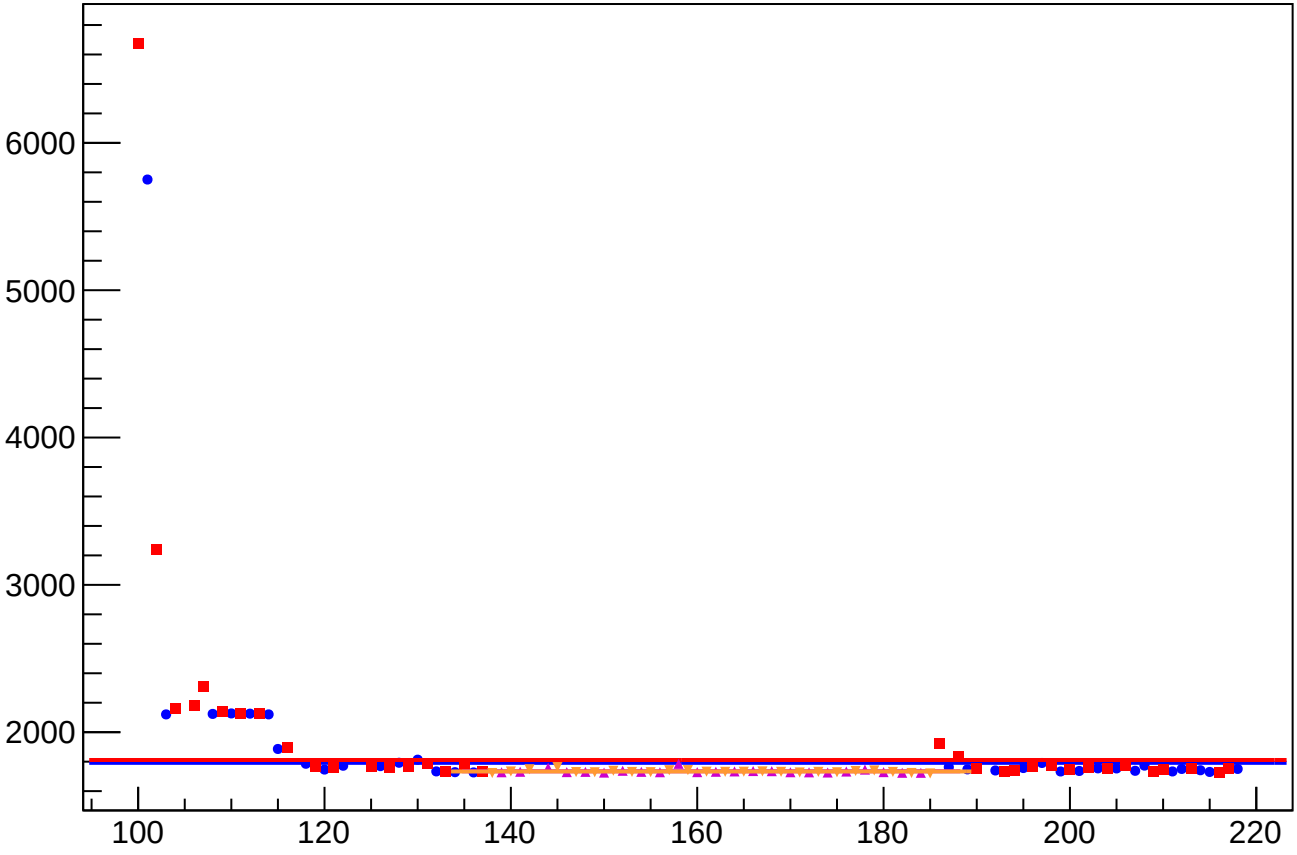
Left In: -42.465+/-405.052 χ^2/NDF:19.9/22

+ sign 139.395+/-284.480 χ^2/NDF: 67.9/55

All: -34.720+/-201.960 χ^2/NDF: 127.3/112

- sign -211.641+/-286.762 χ^2/NDF: 58.6/56

eigen_dit_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1792.072+/-0.284 χ^2/NDF: 742688.6/31

Left Out: 1733.478+/-0.284 χ^2/NDF:901.3/23

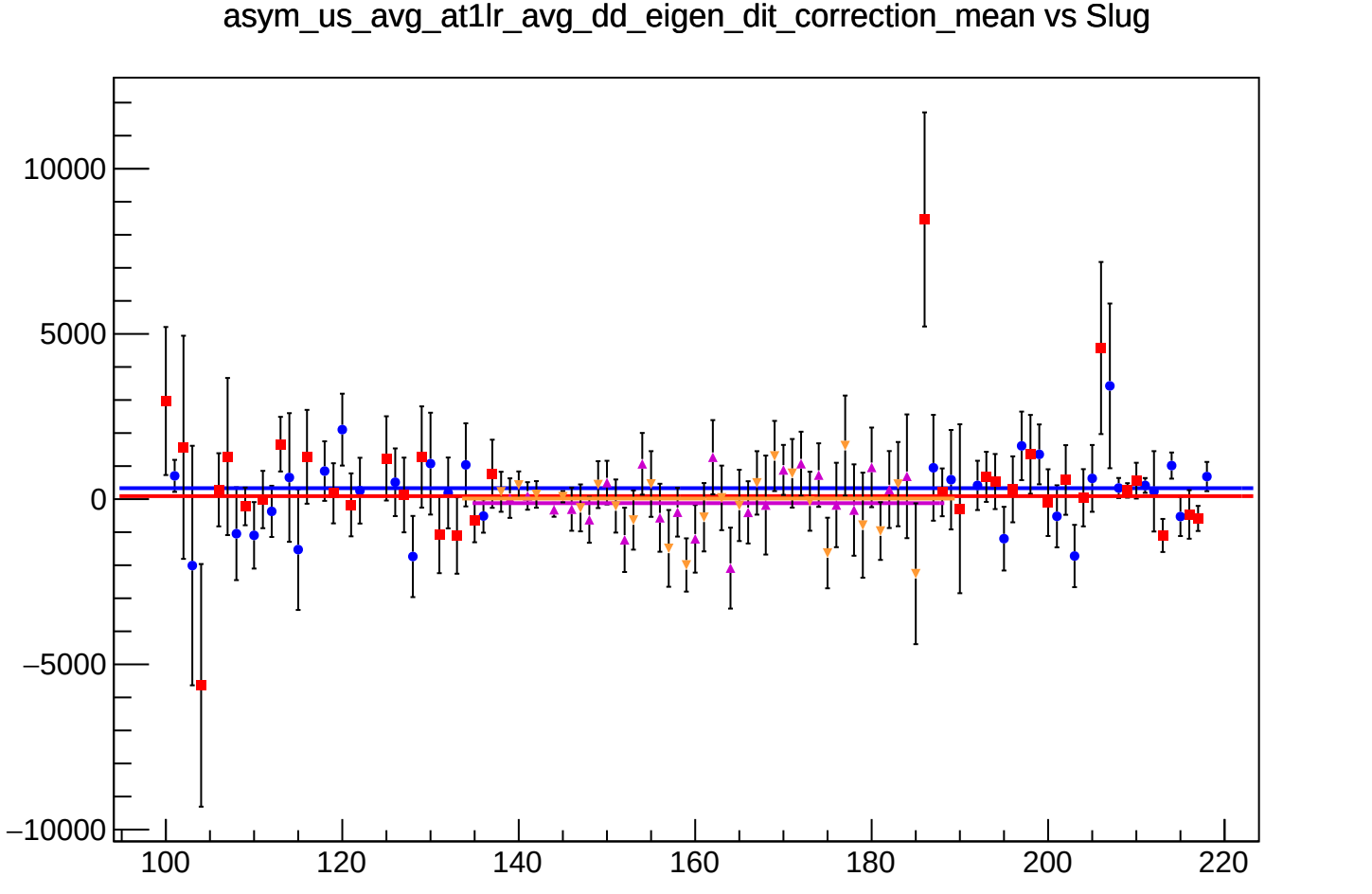
Right Out: 1811.301+/-0.287 χ^2/NDF: 428246.3/33

Left In: 1734.810+/-0.286 χ^2/NDF:2175.7/22

+ sign 1762.775+/-0.201 χ^2/NDF: 764801.0/55

All: 1767.828+/-0.143 χ^2/NDF: 1232070.3/11

- sign 1772.963+/-0.203 χ^2/NDF: 465997.2/56



Right In: 331.898+/-116.407 χ^2/NDF: 33.6/31

Left Out: 18.026+/-119.333 χ^2/NDF:19.4/23

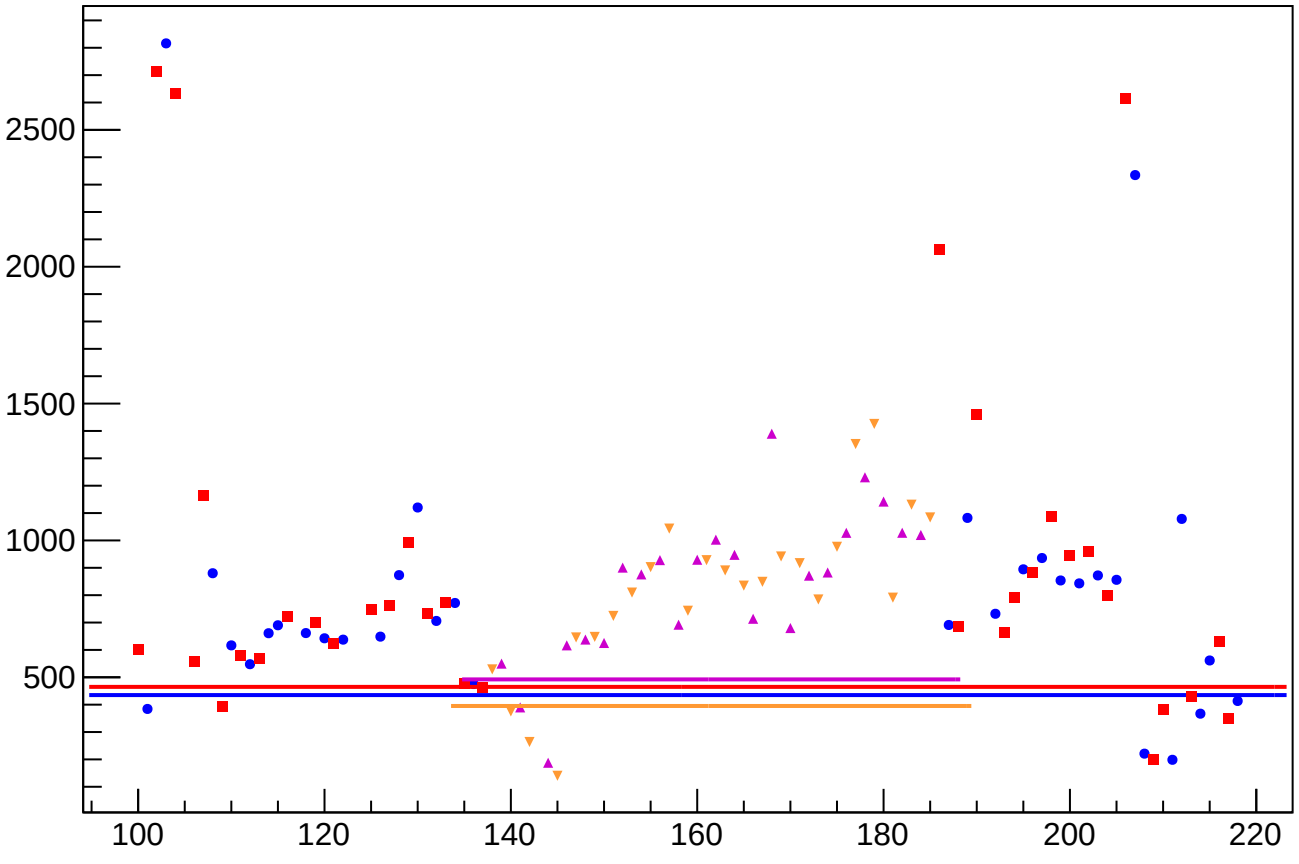
Right Out: 91.274+/-125.064 χ^2/NDF: 37.1/33

Left In: -121.706+/-137.150 χ^2/NDF:16.5/22

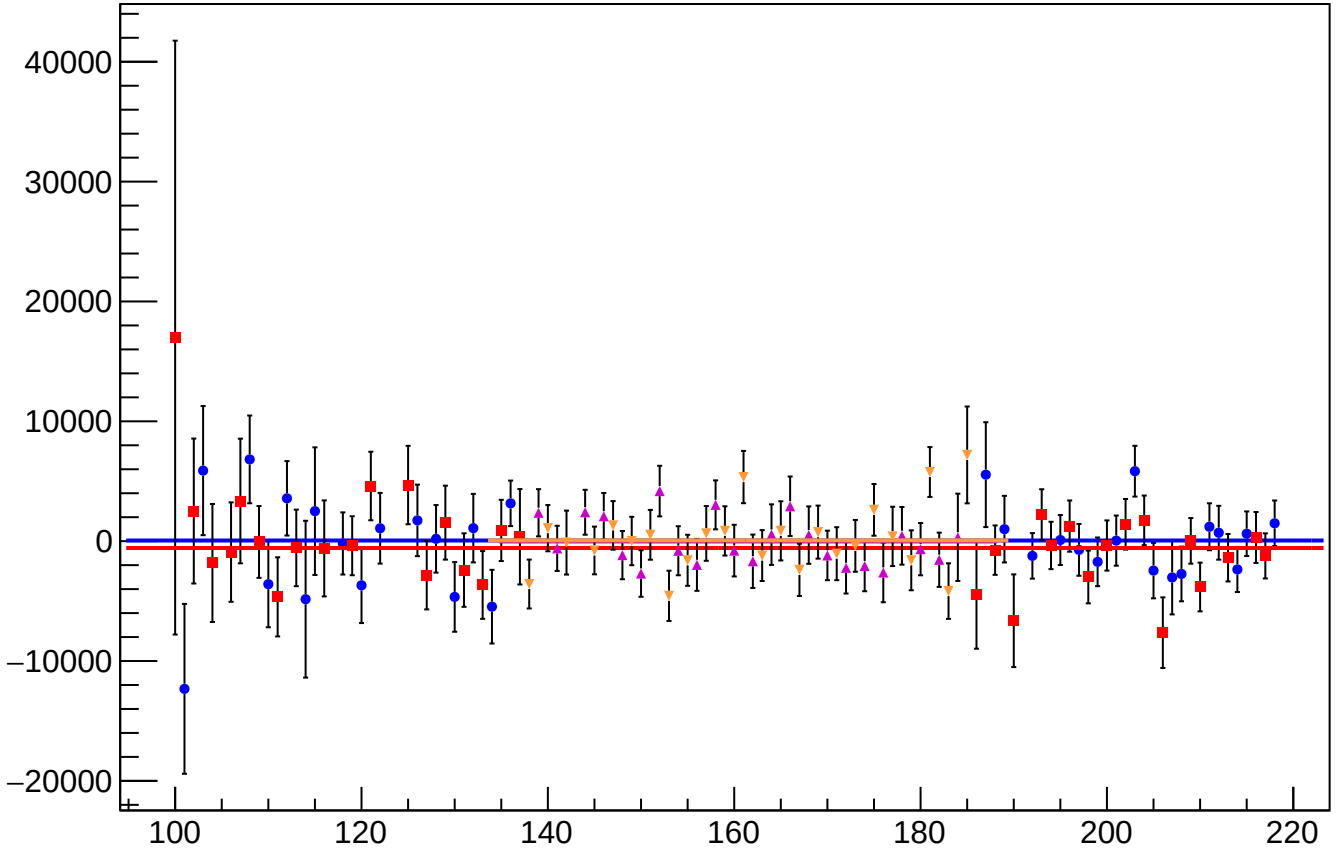
+ sign 178.857+/-83.327 χ^2/NDF: 56.6/55

All: 96.219+/-61.885 χ^2/NDF: 113.7/112

- sign -5.420+/-92.412 χ^2/NDF: 54.9/56


asym_us_avg_at1lr_avg_dd_eigen_dit_correction_rms vs Slug
2500
2000
1500
1000
500
100
120
140
160
180
200
220
Right In: 435.004+/-0.082 χ²/NDF: 10914523.2/31
Left Out: 395.188+/-0.084 χ²/NDF:14334464.6/23
Right Out: 464.959+/-0.088 χ²/NDF: 10978706.6/33
Left In: 492.295+/-0.097 χ²/NDF:10419523.2/22
+ sign 415.590+/-0.059 χ²/NDF: 25363076.7/55
All: 443.295+/-0.044 χ²/NDF: 47297688.1/11
- sign 477.369+/-0.065 χ²/NDF: 21441612.1/56

asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: 55.628+/-447.942 χ^2/NDF: 38.1/31

Left Out: 66.661+/-449.750 χ^2/NDF:33.6/23

Right Out: -569.705+/-450.800 χ^2/NDF: 29.8/33

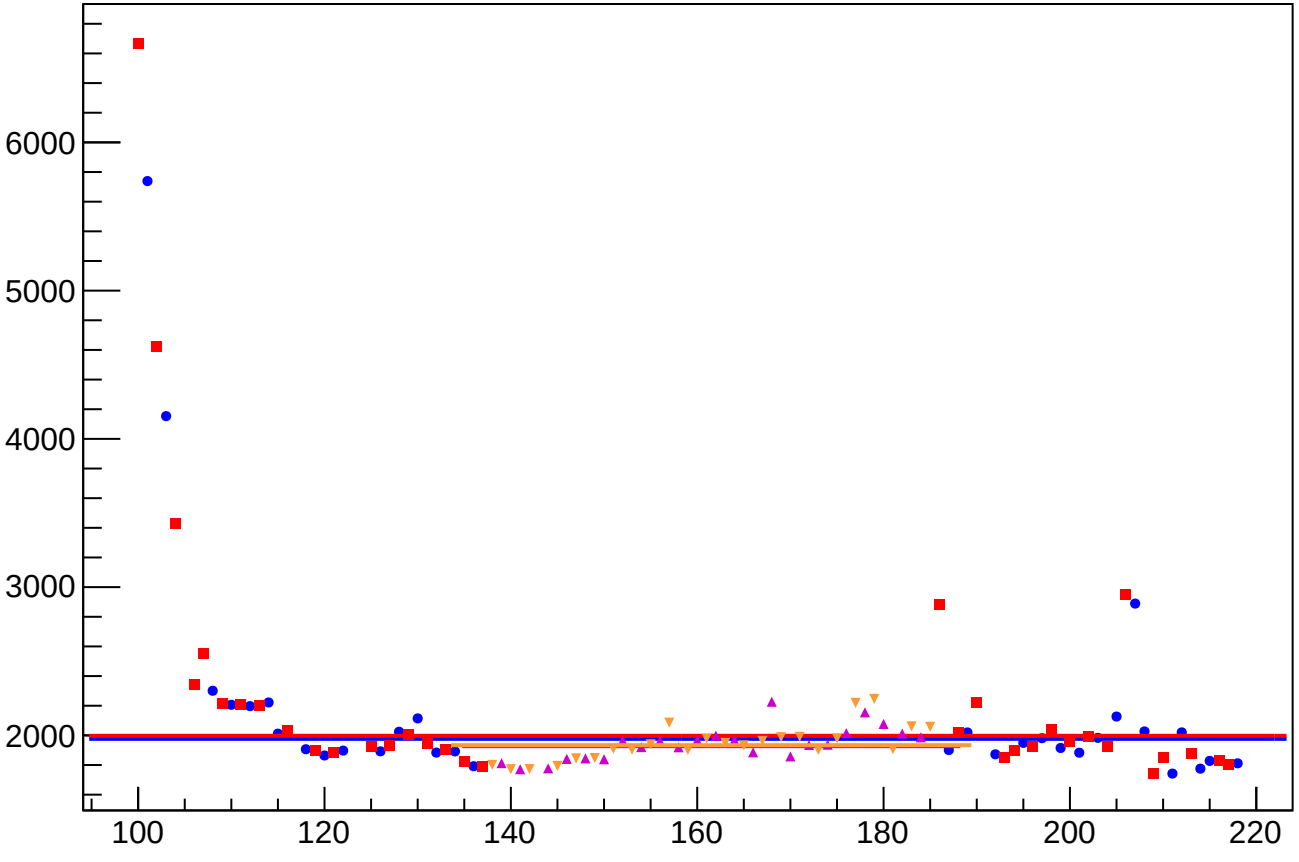
Left In: -25.575+/-450.755 χ^2/NDF:20.0/22

+ sign 61.122+/-317.380 χ^2/NDF: 71.7/55

All: -117.474+/-224.904 χ^2/NDF: 122.8/112

- sign -297.612+/-318.748 χ^2/NDF: 50.5/56

asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1976.693+/-0.317 χ^2/NDF: 1239605.4/31

Left Out: 1933.804+/-0.318 χ^2/NDF:128531.8/23

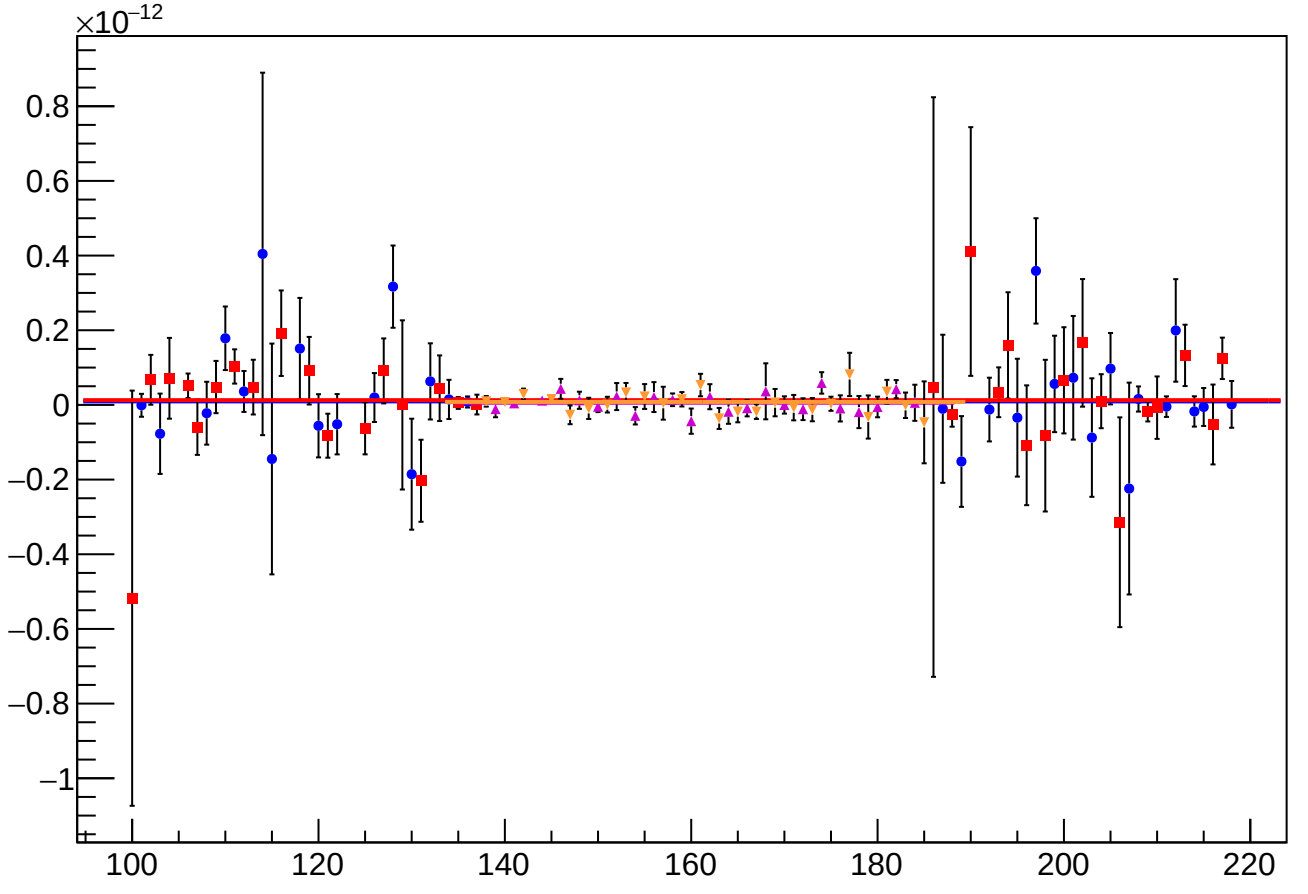
Right Out: 1997.163+/-0.319 χ^2/NDF: 1110393.7/33

Left In: 1927.125+/-0.319 χ^2/NDF:116436.1/22

+ sign 1955.335+/-0.224 χ^2/NDF: 1377267.6/55

All: 1958.723+/-0.159 χ^2/NDF: 2628695.4/11

- sign 1962.141+/-0.225 χ^2/NDF: 1250970.0/56



Right In: 0.000+/-0.000 χ^2/NDF: 31.0/31

Left Out: 0.000+/-0.000 χ^2/NDF:17.3/23

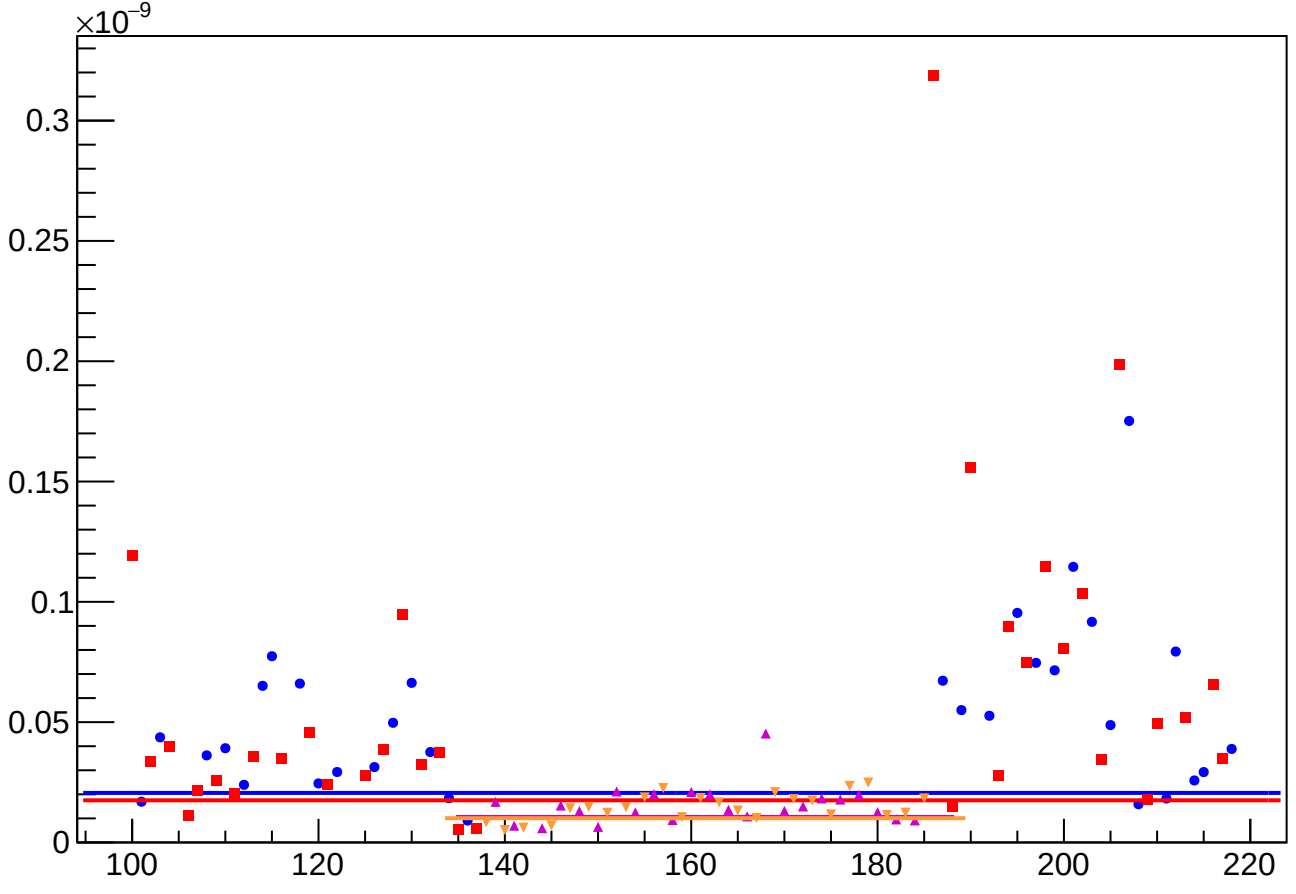
Right Out: 0.000+/-0.000 χ^2/NDF: 35.9/33

Left In: 0.000+/-0.000 χ^2/NDF:16.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 48.4/55

All: 0.000+/-0.000 χ^2/NDF: 101.6/112

- sign 0.000+/-0.000 χ^2/NDF: 53.1/56



Right In: 0.000+/-0.000 χ^2/NDF: 6364043.7/31

Left Out: 0.000+/-0.000 χ^2/NDF:2274817.9/23

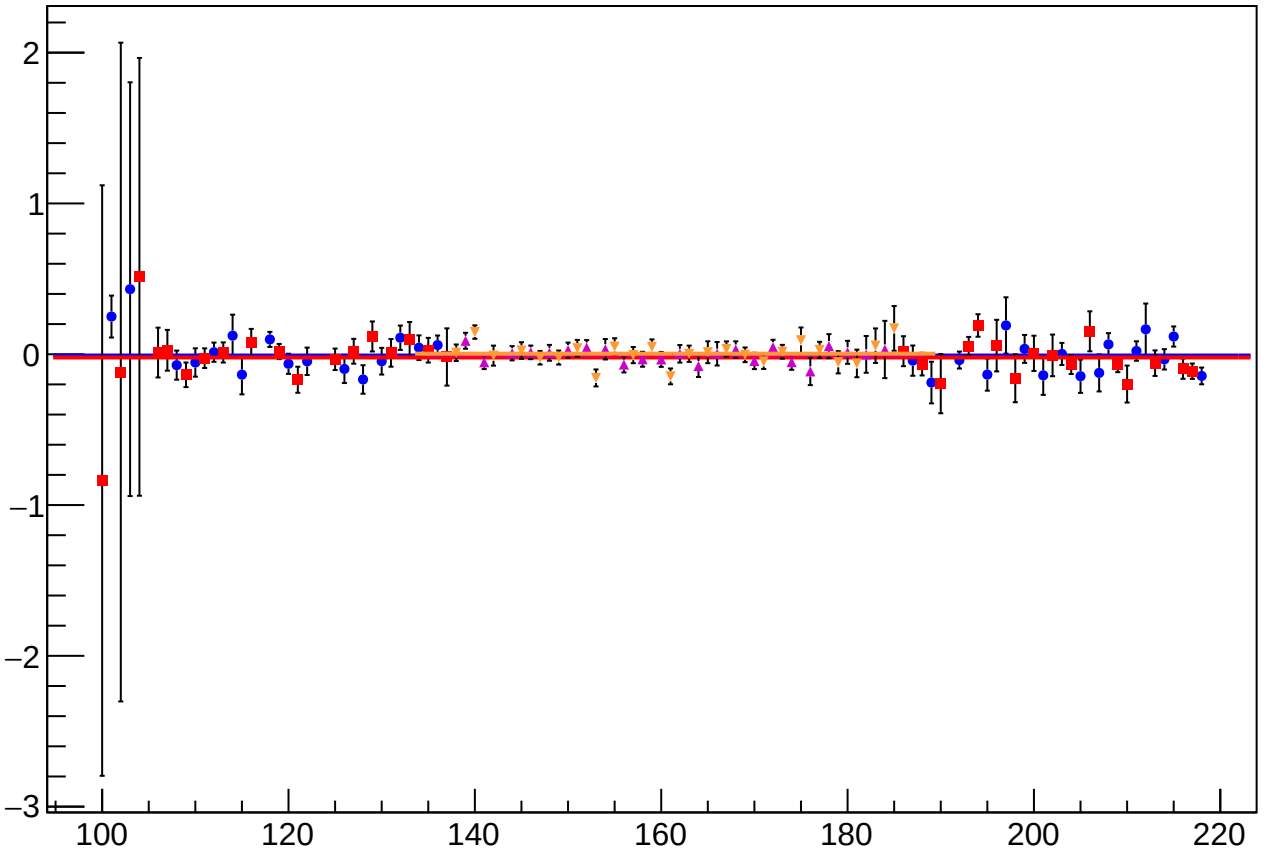
Right Out: 0.000+/-0.000 χ^2/NDF: 7896730.8/33

Left In: 0.000+/-0.000 χ^2/NDF:2578668.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 10722419.8/55

All: 0.000+/-0.000 χ^2/NDF: 22153432.5/112

- sign 0.000+/-0.000 χ^2/NDF: 11430993.0/56



Right In: -0.009+/-0.015 χ^2/NDF: 39.4/31

Left Out: 0.004+/-0.012 χ^2/NDF:35.0/23

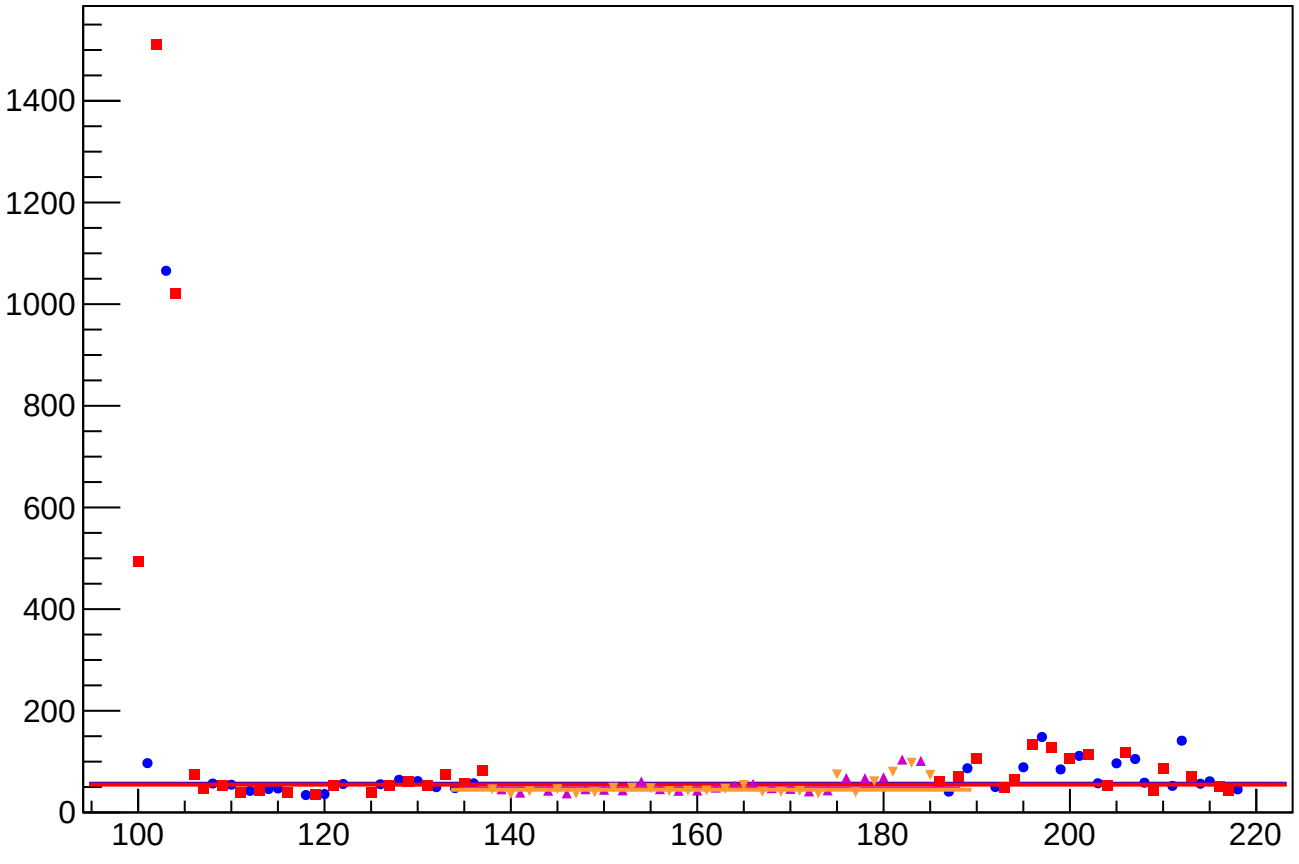
Right Out: -0.022+/-0.015 χ^2/NDF: 33.0/33

Left In: -0.003+/-0.012 χ^2/NDF:14.5/22

+ sign -0.001+/-0.009 χ^2/NDF: 74.9/55

All: -0.005+/-0.006 χ^2/NDF: 123.8/112

- sign -0.010+/-0.009 χ^2/NDF: 48.4/56



Right In: 56.537+/-0.010 χ^2/NDF: 4565225.8/31

Left Out: 44.733+/-0.008 χ^2/NDF:1481436.4/23

Right Out: 54.756+/-0.010 χ^2/NDF: 5390718.4/33

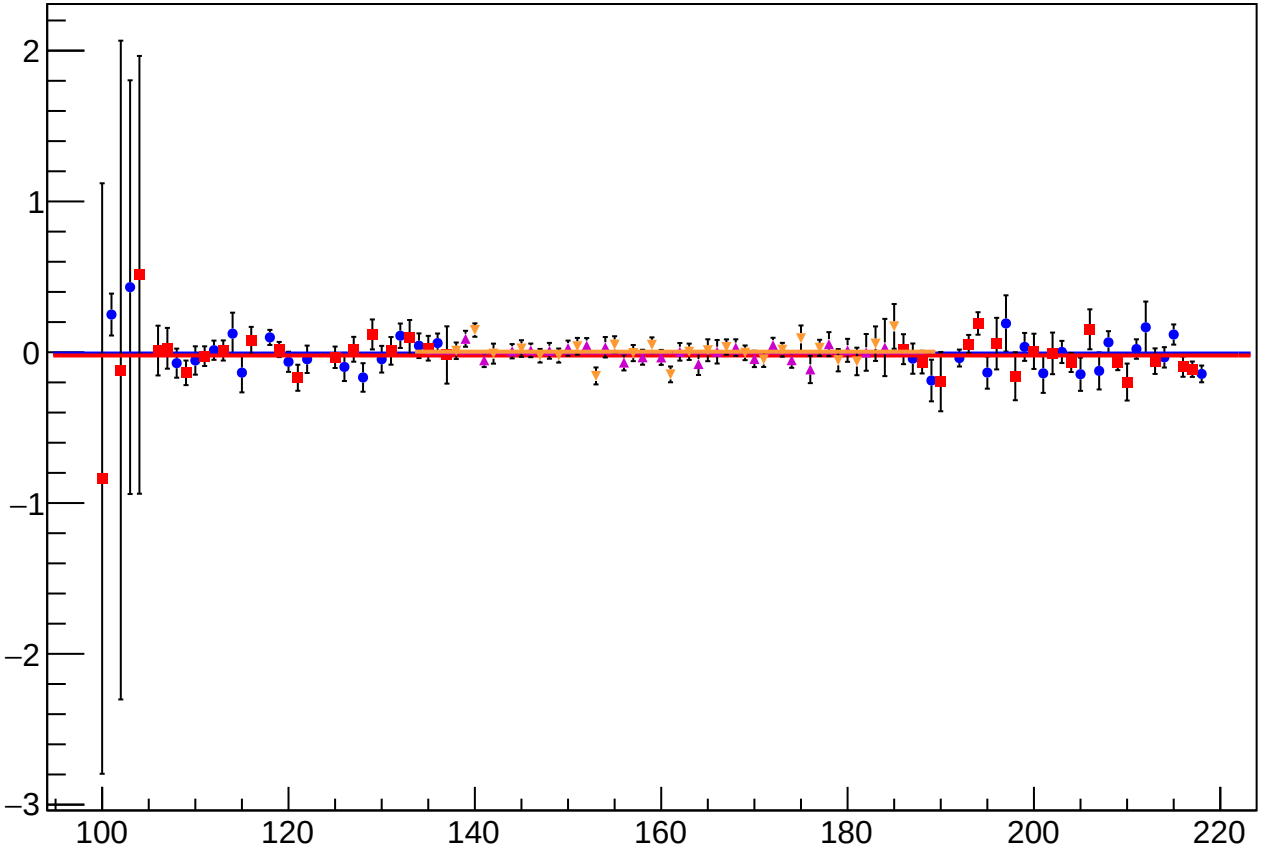
Left In: 47.033+/-0.008 χ^2/NDF:1383050.4/22

+ sign 49.197+/-0.006 χ^2/NDF: 6842667.4/55

All: 49.643+/-0.005 χ^2/NDF: 13959338.8/112

- sign 50.107+/-0.007 χ^2/NDF: 7106815.7/56

asym_us_avg_at1lr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.009+/-0.015 χ^2/NDF: 39.4/31

Left Out: 0.004+/-0.012 χ^2/NDF:35.0/23

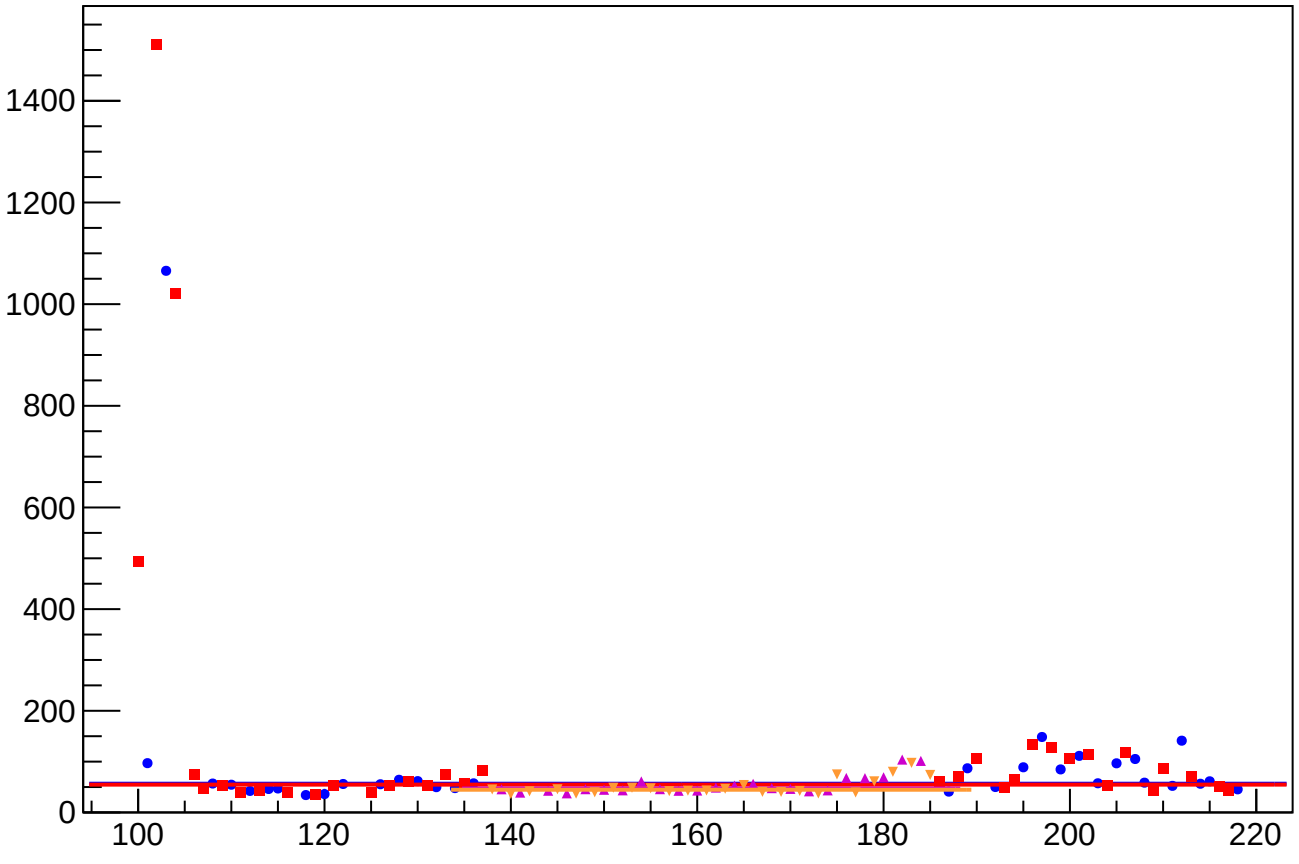
Right Out: -0.022+/-0.015 χ^2/NDF: 33.0/33

Left In: -0.003+/-0.012 χ^2/NDF:14.5/22

+ sign -0.001+/-0.009 χ^2/NDF: 74.9/55

All: -0.005+/-0.006 χ^2/NDF: 123.8/112

- sign -0.010+/-0.009 χ^2/NDF: 48.4/56



Right In: 56.537+/-0.010 χ^2/NDF: 4565225.8/31

Left Out: 44.733+/-0.008 χ^2/NDF:1481436.4/23

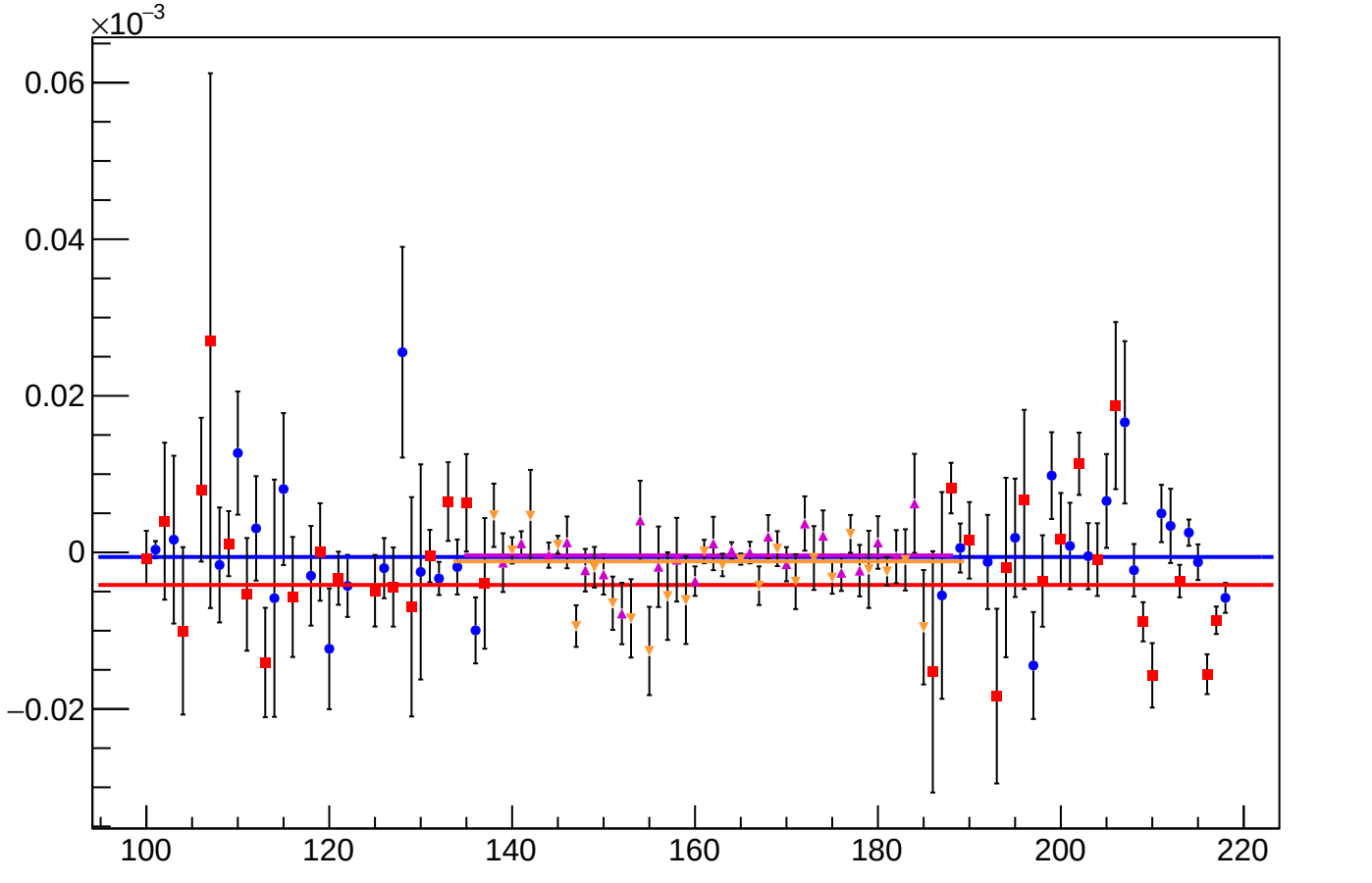
Right Out: 54.756+/-0.010 χ^2/NDF: 5390718.4/33

Left In: 47.033+/-0.008 χ^2/NDF:1383050.4/22

+ sign 49.197+/-0.006 χ^2/NDF: 6842667.4/55

All: 49.643+/-0.005 χ^2/NDF: 13959338.8/112

- sign 50.107+/-0.007 χ^2/NDF: 7106815.7/56



Right In: -0.000+/-0.000 χ^2/NDF: 45.4/31

Left Out: -0.000+/-0.000 χ^2/NDF:35.7/23

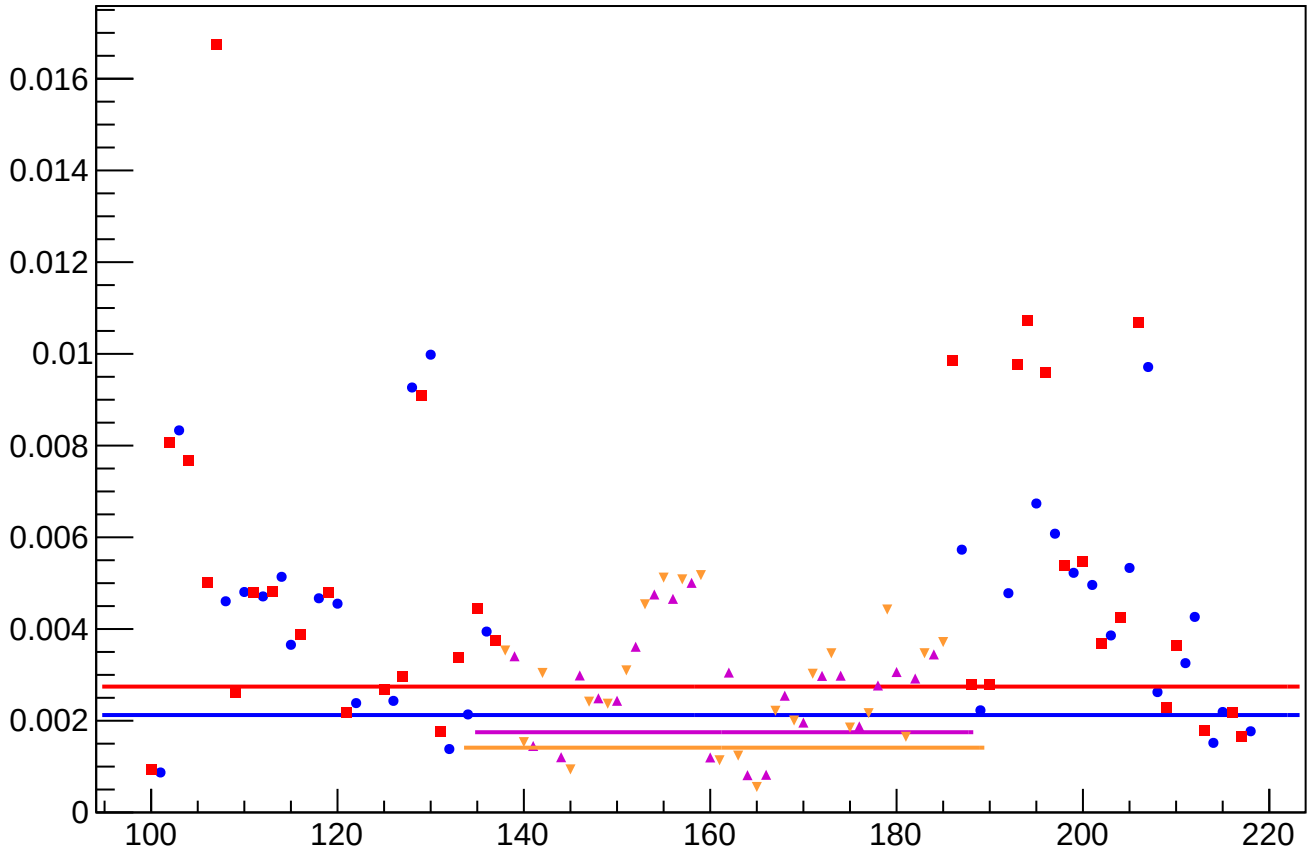
Right Out: -0.000+/-0.000 χ^2/NDF: 95.8/33

Left In: -0.000+/-0.000 χ^2/NDF:16.3/22

+ sign -0.000+/-0.000 χ^2/NDF: 81.7/55

All: -0.000+/-0.000 χ^2/NDF: 213.5/112

- sign -0.000+/-0.000 χ^2/NDF: 130.5/56



Right In: 0.002+/-0.000 χ^2/NDF: 12605188.3/31

Left Out: 0.001+/-0.000 χ^2/NDF:11586658.8/23

Right Out: 0.003+/-0.000 χ^2/NDF: 10043237.2/33

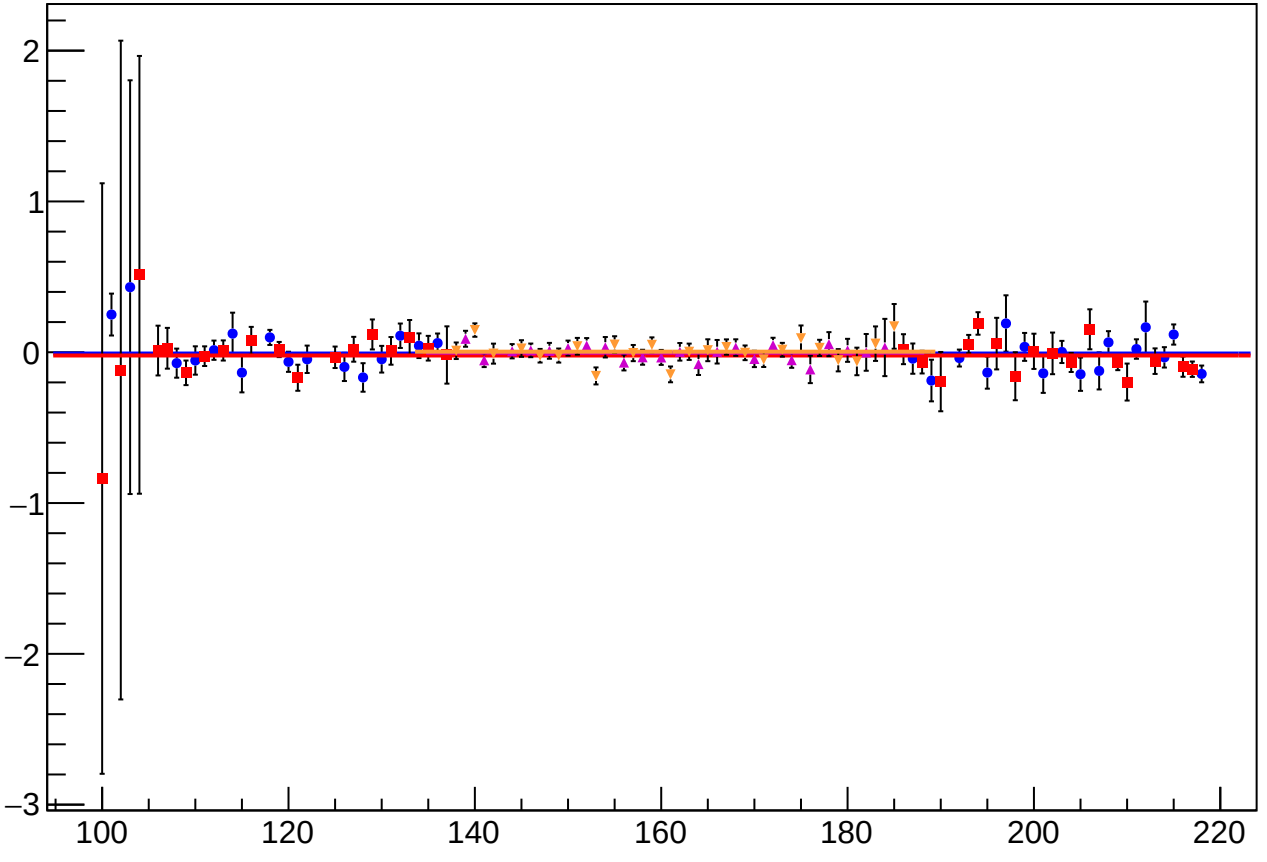
Left In: 0.002+/-0.000 χ^2/NDF:8238945.3/22

+ sign 0.002+/-0.000 χ^2/NDF: 26127777.0/55

All: 0.002+/-0.000 χ^2/NDF: 48217067.2/112

- sign 0.002+/-0.000 χ^2/NDF: 20840847.3/56

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.009+/-0.015 χ^2/NDF: 39.4/31

Left Out: 0.004+/-0.012 χ^2/NDF:35.0/23

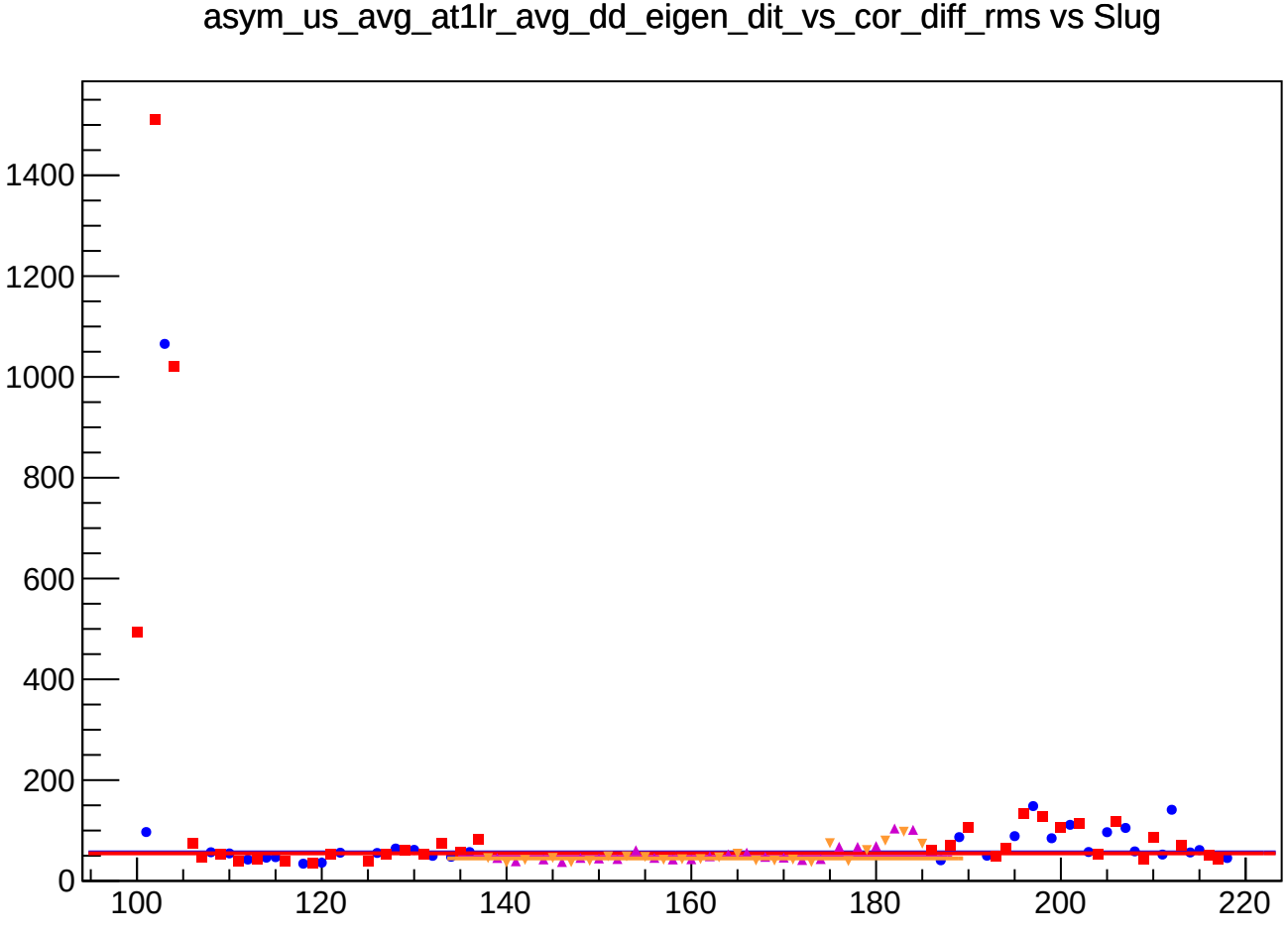
Right Out: -0.022+/-0.015 χ^2/NDF: 33.0/33

Left In: -0.003+/-0.012 χ^2/NDF:14.5/22

+ sign -0.001+/-0.009 χ^2/NDF: 74.9/55

All: -0.005+/-0.006 χ^2/NDF: 123.8/112

- sign -0.010+/-0.009 χ^2/NDF: 48.4/56



Right In: 56.536+/-0.010 χ^2/NDF: 4565310.0/31

Left Out: 44.733+/-0.008 χ^2/NDF:1481436.0/23

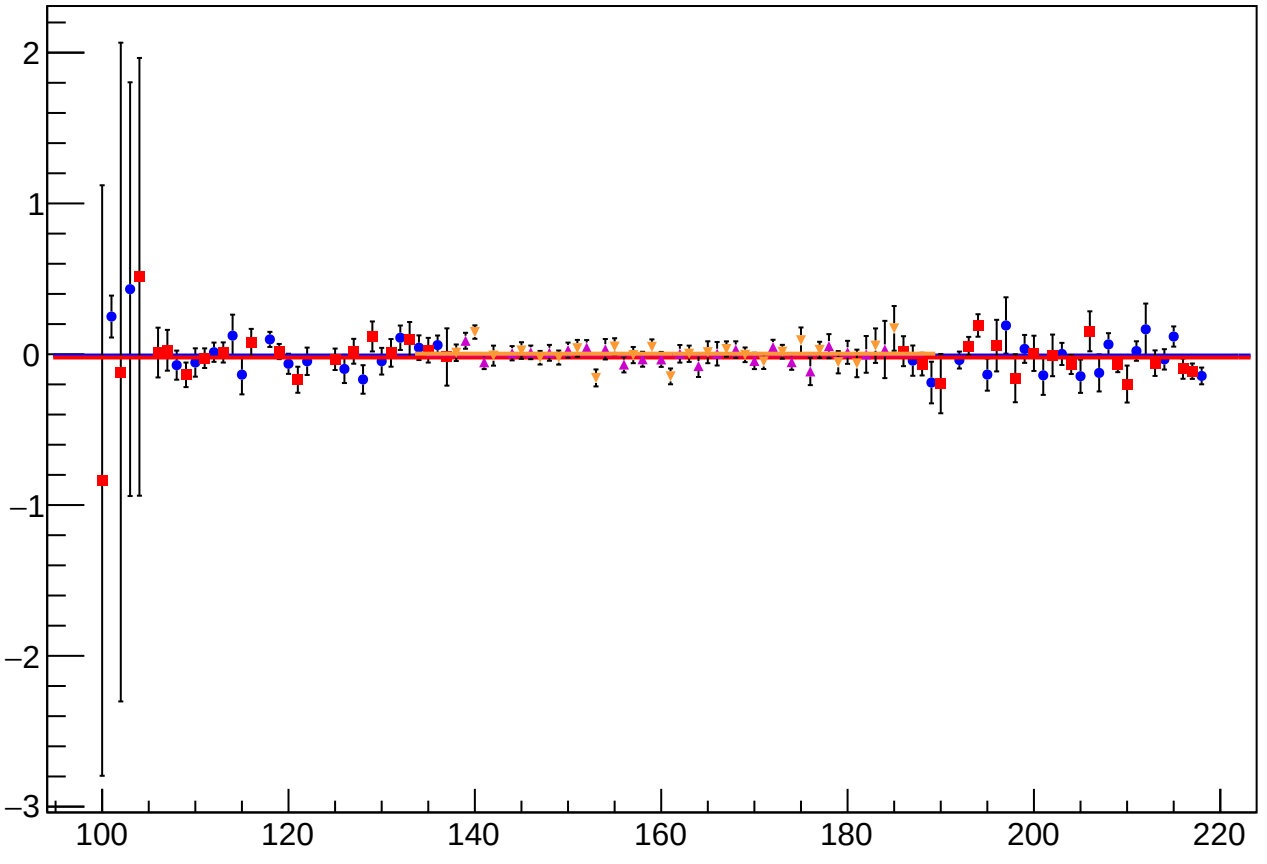
Right Out: 54.755+/-0.010 χ^2/NDF: 5390904.5/33

Left In: 47.033+/-0.008 χ^2/NDF:1383121.1/22

+ sign 49.197+/-0.006 χ^2/NDF: 6842671.6/55

All: 49.642+/-0.005 χ^2/NDF: 13959542.2/112

- sign 50.107+/-0.007 χ^2/NDF: 7107024.1/56



Right In: -0.009+/-0.015 χ^2/NDF: 39.4/31

Left Out: 0.004+/-0.012 χ^2/NDF:35.0/23

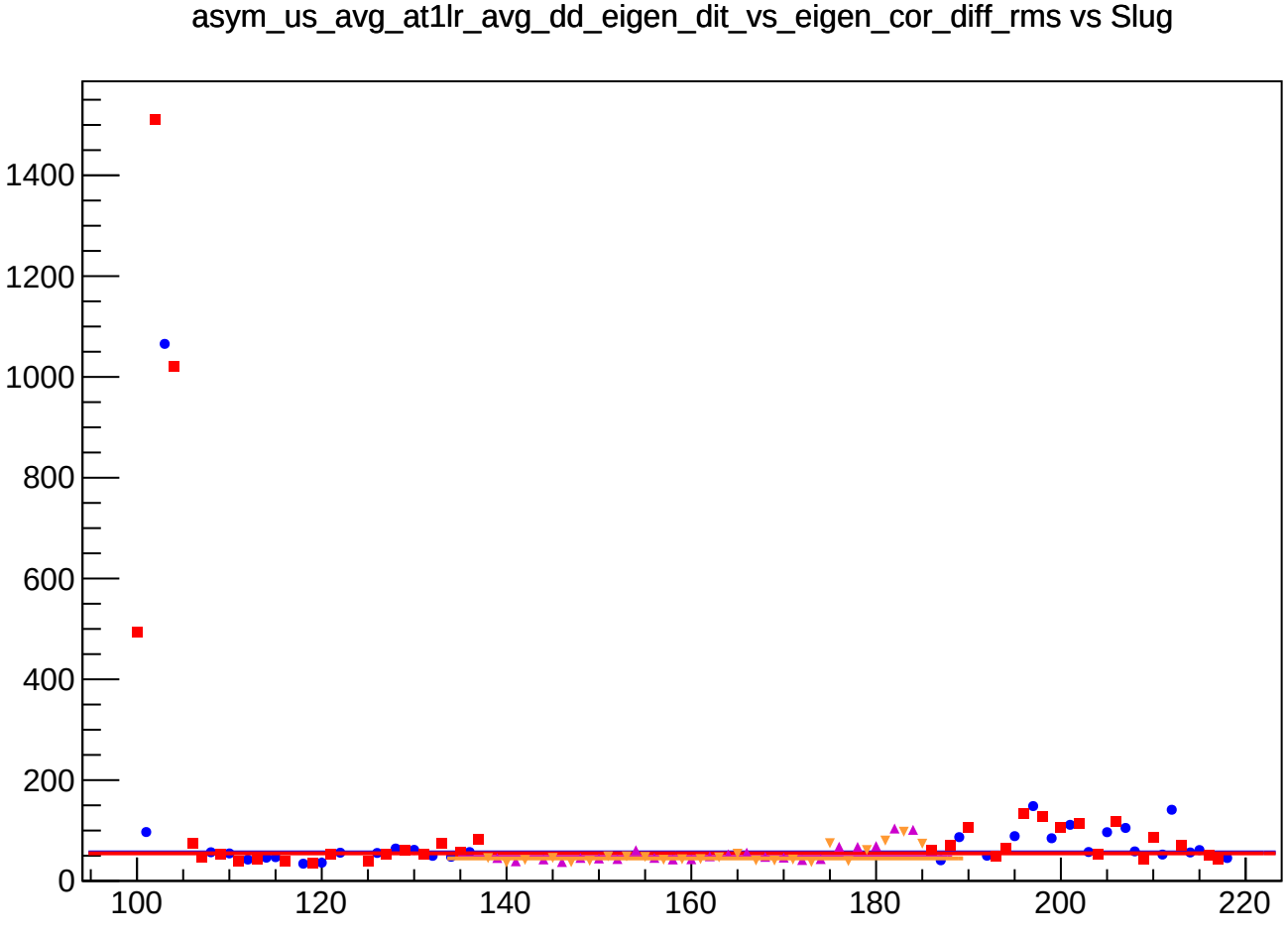
Right Out: -0.022+/-0.015 χ^2/NDF: 33.0/33

Left In: -0.003+/-0.012 χ^2/NDF:14.5/22

+ sign -0.001+/-0.009 χ^2/NDF: 74.9/55

All: -0.005+/-0.006 χ^2/NDF: 123.8/112

- sign -0.010+/-0.009 χ^2/NDF: 48.4/56



Right In: 56.536+/-0.010 χ^2/NDF: 4565310.0/31

Left Out: 44.733+/-0.008 χ^2/NDF:1481436.0/23

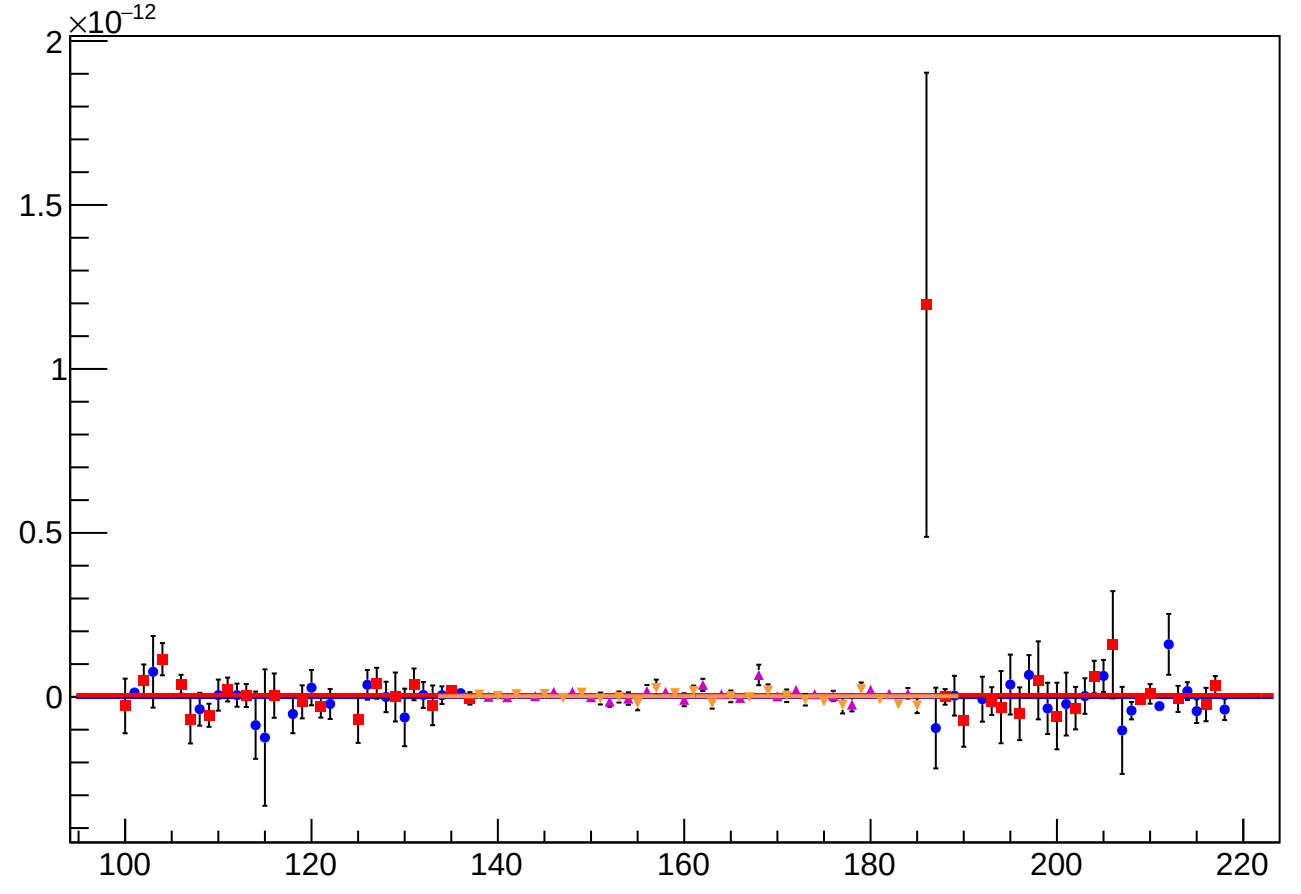
Right Out: 54.755+/-0.010 χ^2/NDF: 5390904.5/33

Left In: 47.033+/-0.008 χ^2/NDF:1383121.1/22

+ sign 49.197+/-0.006 χ^2/NDF: 6842671.6/55

All: 49.642+/-0.005 χ^2/NDF: 13959542.2/112

- sign 50.107+/-0.007 χ^2/NDF: 7107024.1/56



Right In: -0.000+/-0.000 χ^2/NDF: 24.4/31

Left Out: 0.000+/-0.000 χ^2/NDF:20.6/23

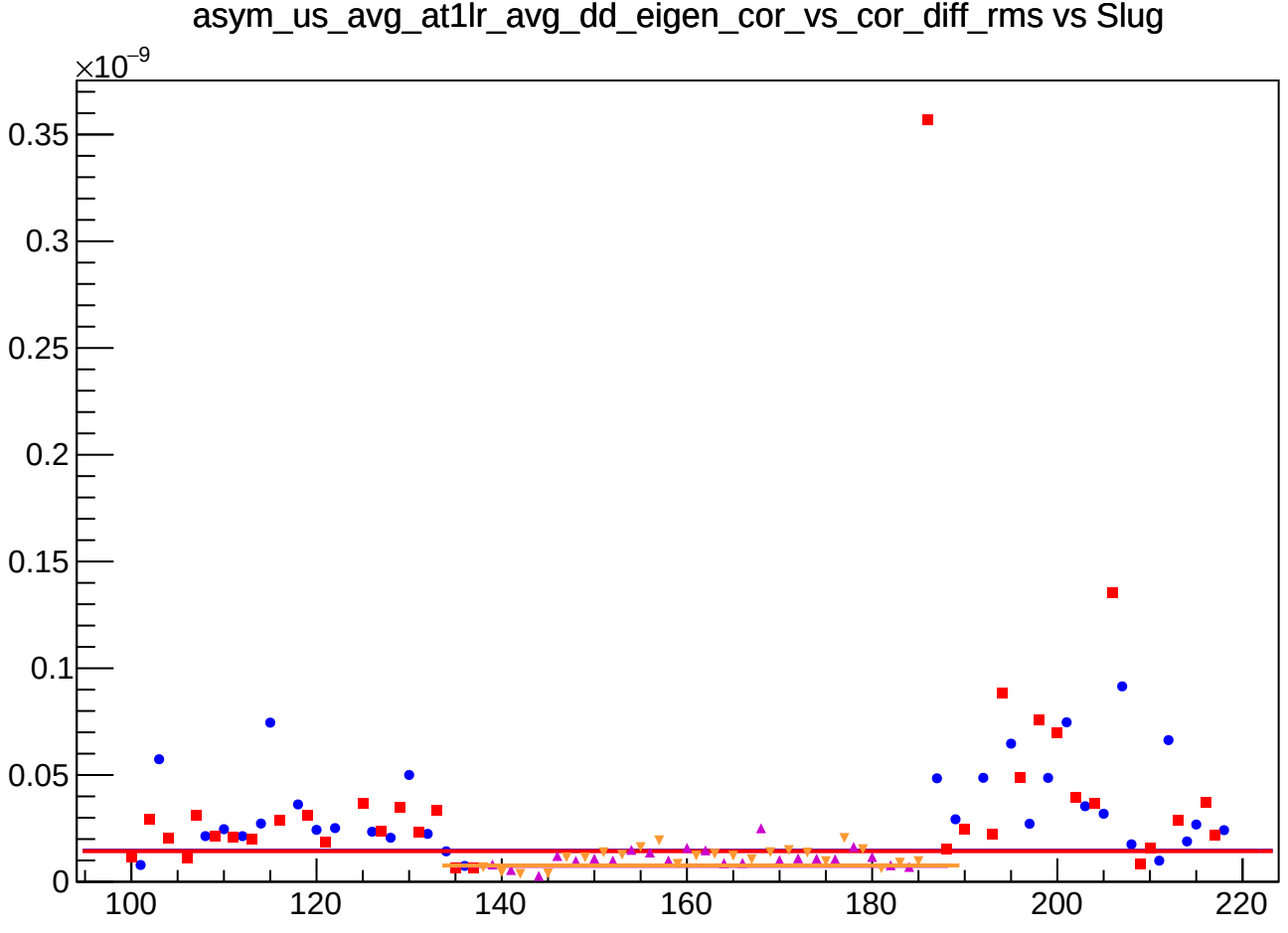
Right Out: 0.000+/-0.000 χ^2/NDF: 27.0/33

Left In: 0.000+/-0.000 χ^2/NDF:17.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 45.2/55

All: 0.000+/-0.000 χ^2/NDF: 91.5/112

- sign 0.000+/-0.000 χ^2/NDF: 44.9/56



Right In: 0.000+/-0.000 χ^2/NDF: 8455240.8/31

Left Out: 0.000+/-0.000 χ^2/NDF:5568430.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 9142239.6/33

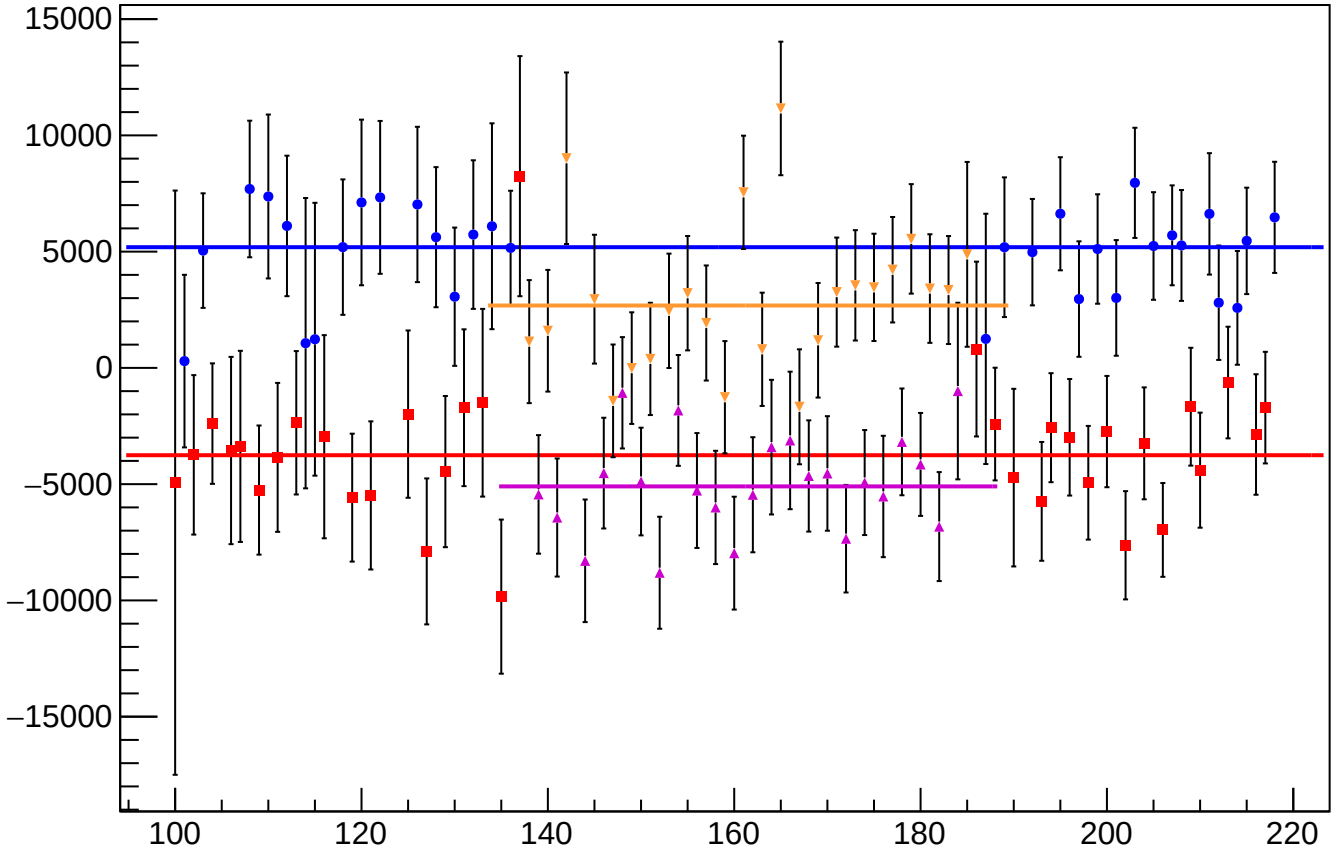
Left In: 0.000+/-0.000 χ^2/NDF:5978033.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 16772899.1/55

All: 0.000+/-0.000 χ^2/NDF: 34586248.4/112

- sign 0.000+/-0.000 χ^2/NDF: 17805210.3/56

reg_asym_us_avg_at2lr_avg_avg_mean vs Slug



Right In: 5191.050+/-492.241 χ^2/NDF: 12.0/31

Left Out: 2682.870+/-512.020 χ^2/NDF:30.8/23

Right Out: -3755.044+/-494.351 χ^2/NDF: 24.9/33

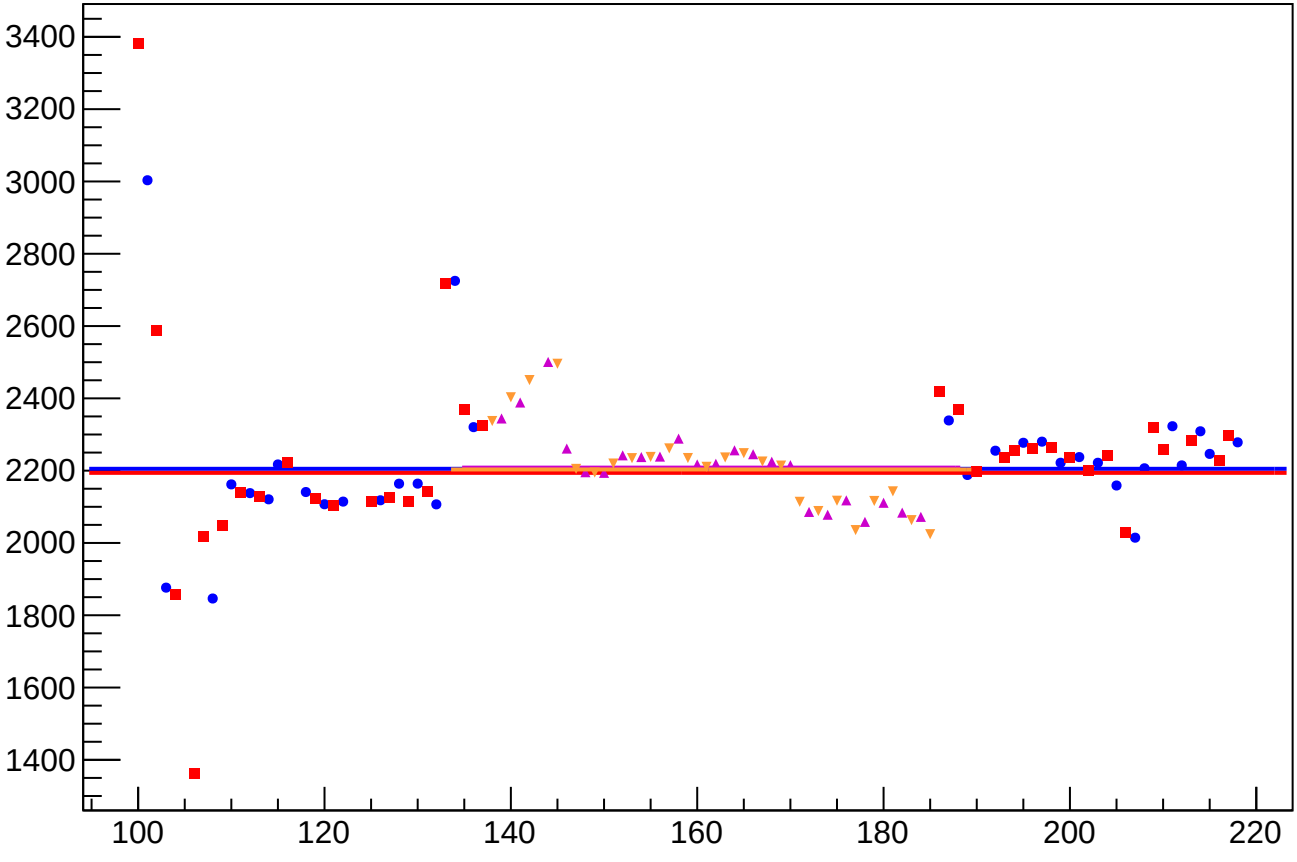
Left In: -5096.427+/-516.232 χ^2/NDF:14.9/22

+ sign 3986.341+/-354.853 χ^2/NDF: 55.3/55

All: -179.388+/-251.690 χ^2/NDF: 376.0/112

- sign -4396.705+/-357.044 χ^2/NDF: 43.3/56

reg_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2205.115+/-0.348 χ^2/NDF: 232810.8/31

Left Out: 2203.297+/-0.362 χ^2/NDF:88208.3/23

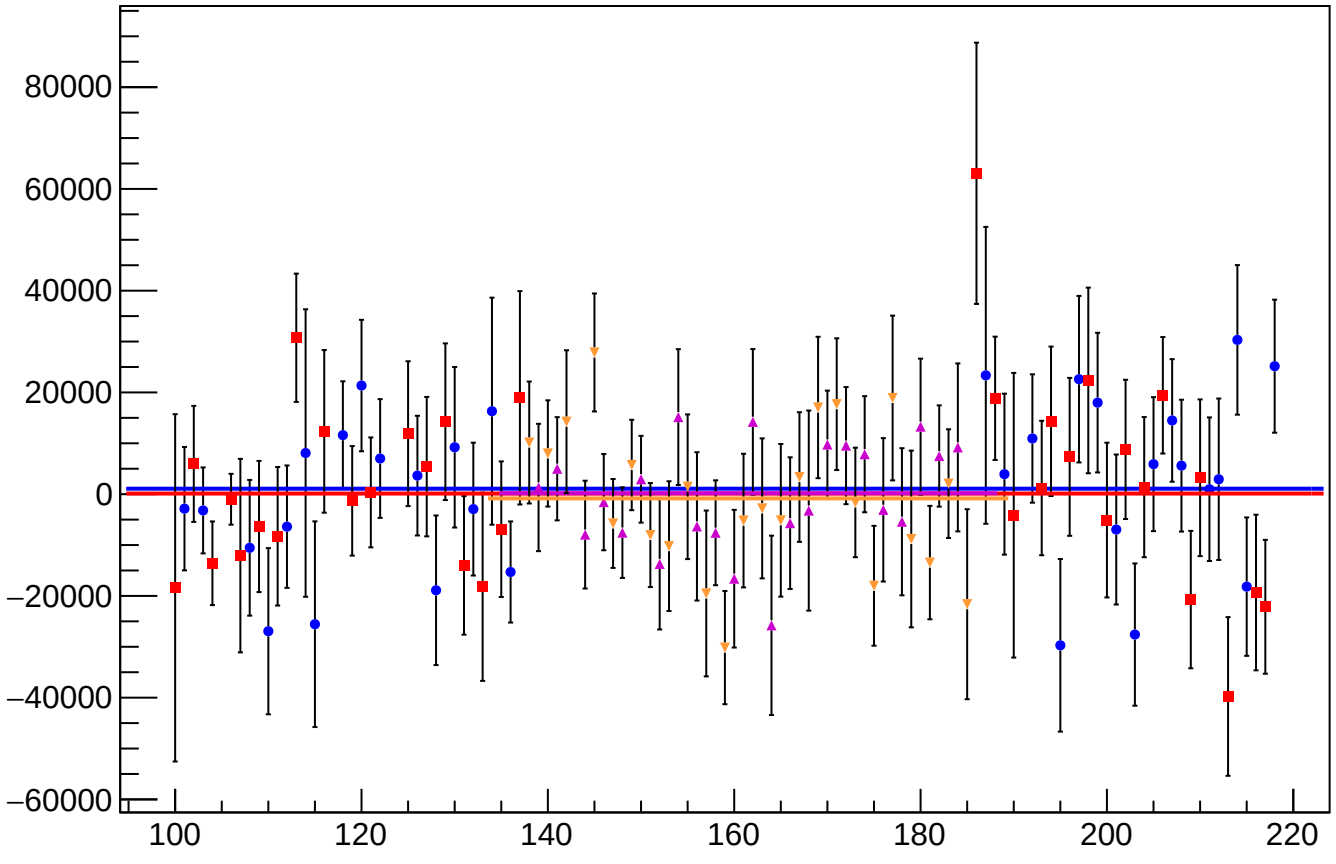
Right Out: 2193.936+/-0.347 χ^2/NDF: 340332.9/33

Left In: 2208.379+/-0.365 χ^2/NDF:80994.3/22

+ sign 2204.242+/-0.251 χ^2/NDF: 321032.2/55

All: 2202.527+/-0.178 χ^2/NDF: 743274.5/112

- sign 2200.801+/-0.252 χ^2/NDF: 422148.6/56



Right In: 1076.089+/-2396.713 χ^2/NDF: 38.5/31

Left Out: -833.485+/-2481.469 χ^2/NDF:29.5/23

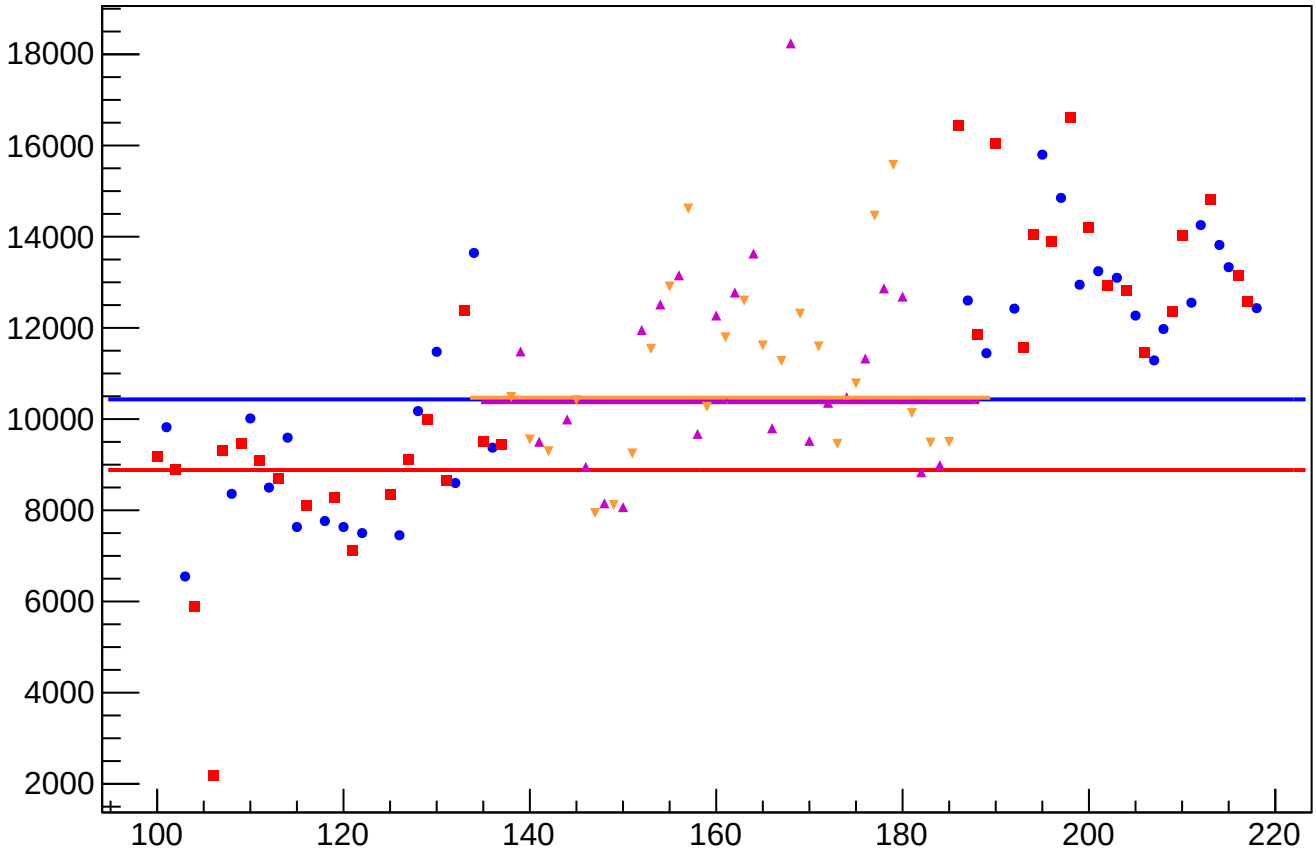
Right Out: 120.591+/-2186.618 χ^2/NDF: 43.6/33

Left In: 182.426+/-2471.223 χ^2/NDF:13.8/22

+ sign 154.470+/-1723.917 χ^2/NDF: 68.3/55

All: 150.935+/-1187.298 χ^2/NDF: 125.7/112

- sign 147.745+/-1637.593 χ^2/NDF: 57.4/56



Right In: 10432.084+/-1.695 χ^2/NDF: 2267633.2/31

Left Out: 10468.677+/-1.755 χ^2/NDF:1045257.2/23

Right Out: 8883.579+/-1.546 χ^2/NDF: 6986204.6/33

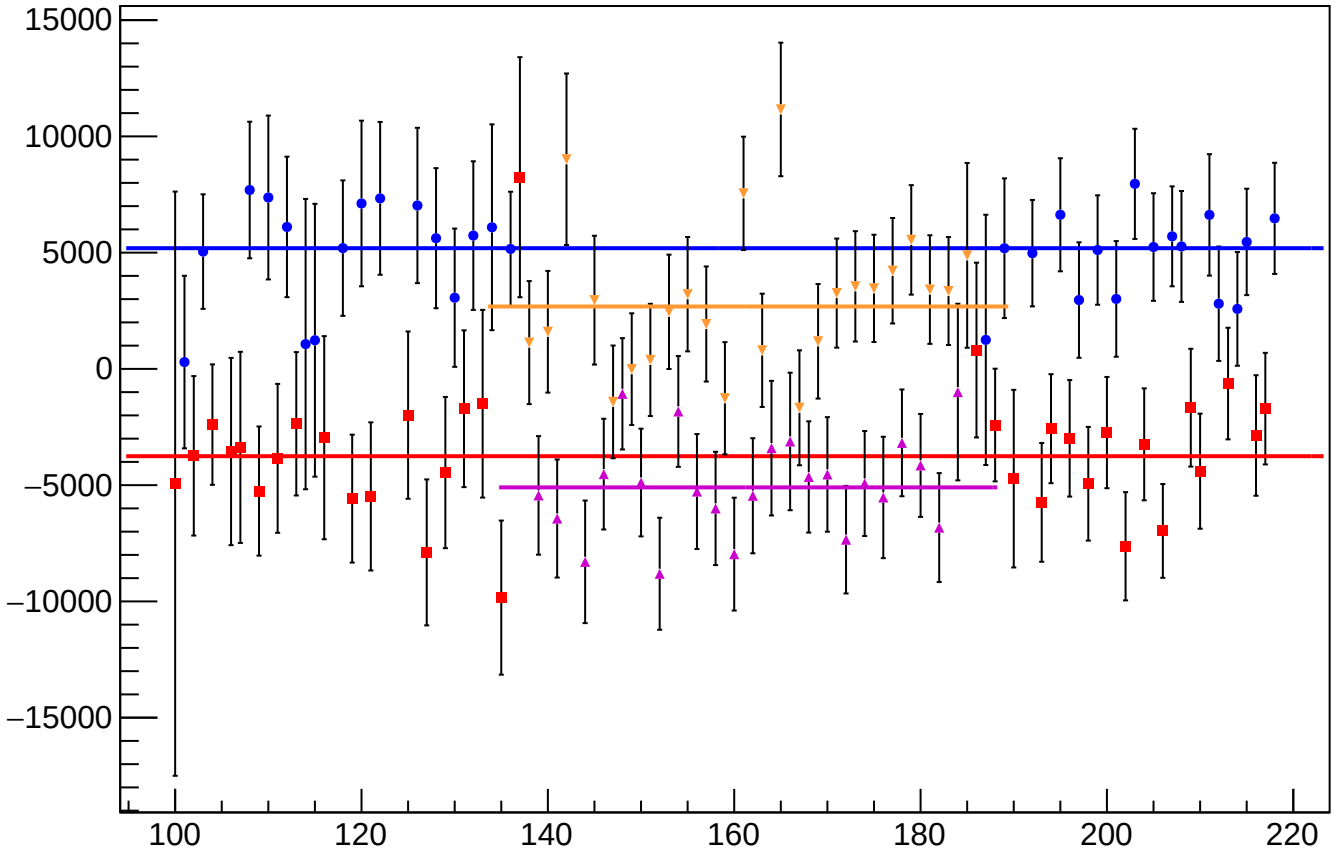
Left In: 10370.895+/-1.747 χ^2/NDF:1203758.1/22

+ sign 10449.745+/-1.219 χ^2/NDF: 3313115.3/55

All: 9969.789+/-0.840 χ^2/NDF: 12204319.4/1

- sign 9536.697+/-1.158 χ^2/NDF: 8596292.4/56

cor_asym_us_avg_at2lr_avg_avg_mean vs Slug



Right In: 5191.082+/-492.241 χ^2/NDF: 12.0/31

Left Out: 2682.792+/-512.020 χ^2/NDF:30.8/23

Right Out: -3754.963+/-494.351 χ^2/NDF: 24.9/33

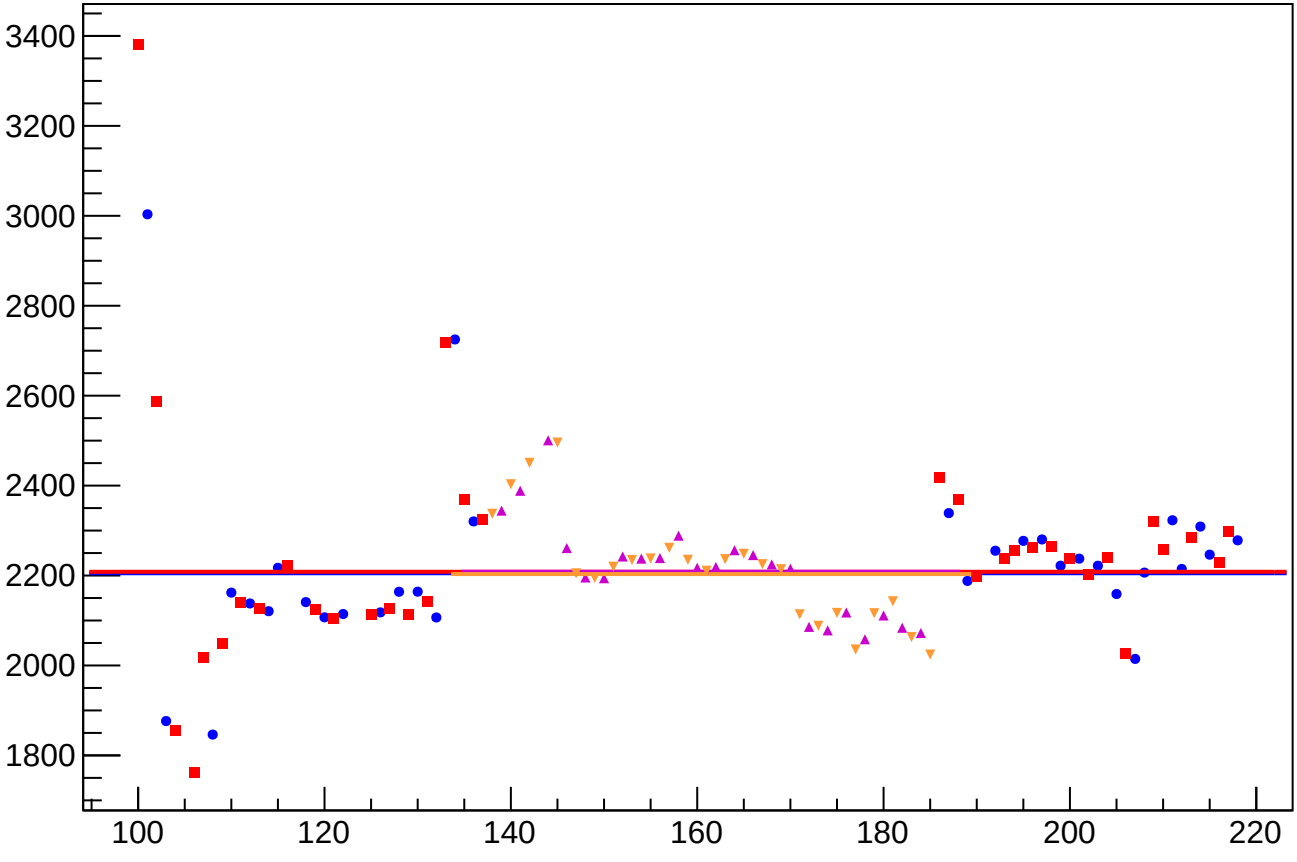
Left In: -5096.334+/-516.232 χ^2/NDF:14.9/22

+ sign 3986.320+/-354.853 χ^2/NDF: 55.3/55

All: -179.356+/-251.690 χ^2/NDF: 376.0/112

- sign -4396.619+/-357.044 χ^2/NDF: 43.3/56

cor_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2205.115+/-0.348 χ^2/NDF: 232811.2/31

Left Out: 2203.297+/-0.362 χ^2/NDF:88208.3/23

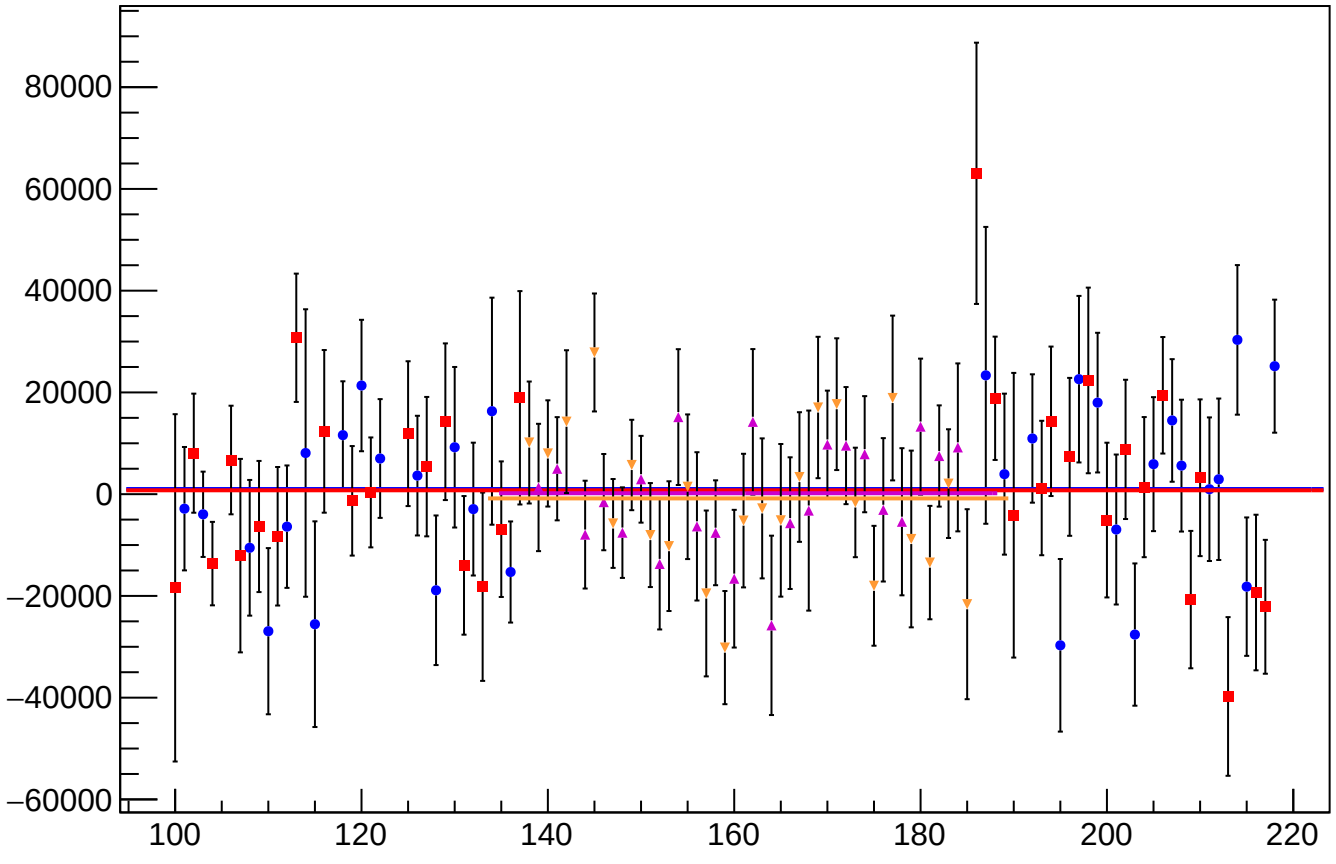
Right Out: 2208.359+/-0.349 χ^2/NDF: 213757.3/33

Left In: 2208.379+/-0.365 χ^2/NDF:80994.3/22

+ sign 2204.242+/-0.251 χ^2/NDF: 321032.6/55

All: 2206.294+/-0.178 χ^2/NDF: 615918.8/112

- sign 2208.368+/-0.252 χ^2/NDF: 294751.7/56



Right In: 1008.472+/-2395.229 χ^2/NDF: 38.6/31

Left Out: -833.458+/-2481.469 χ^2/NDF:29.5/23

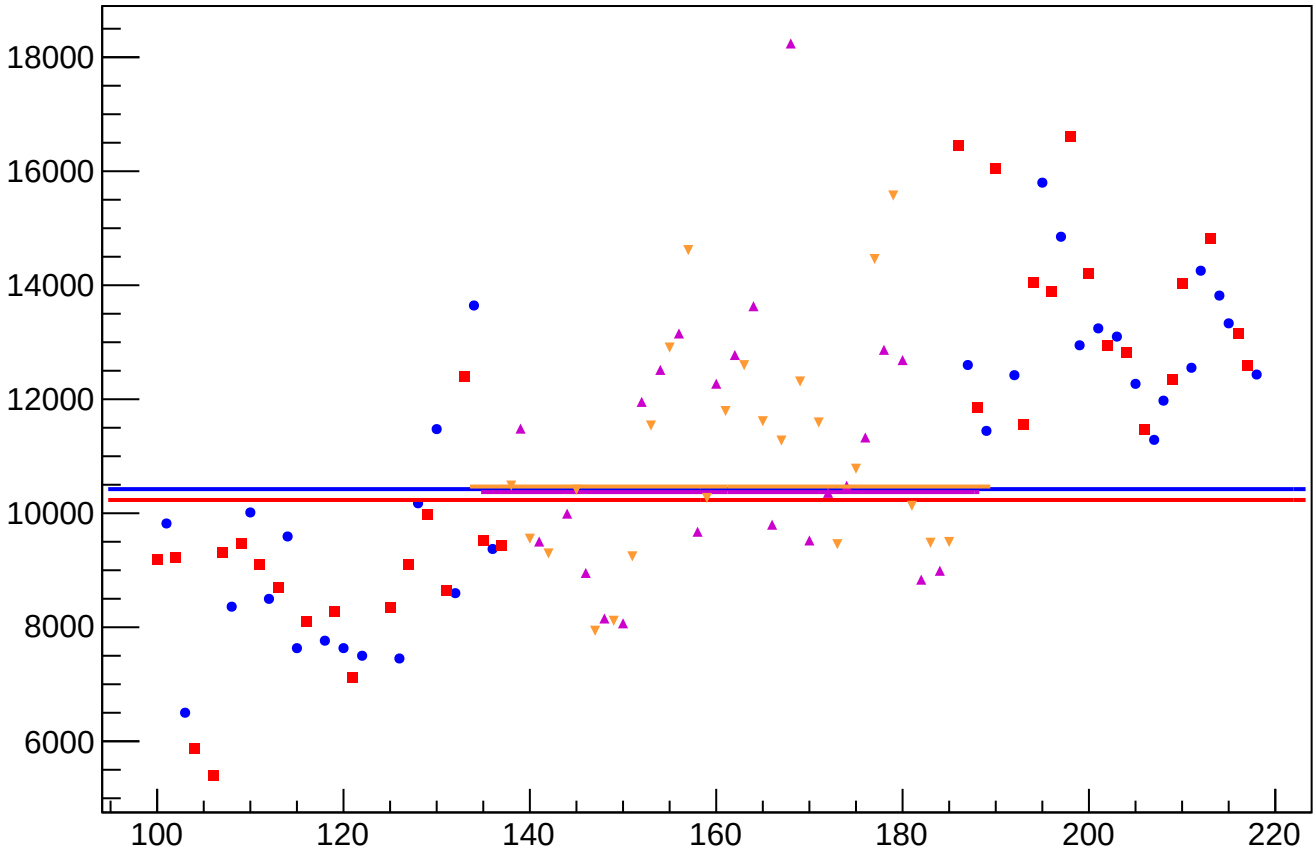
Right Out: 762.308+/-2372.858 χ^2/NDF: 44.1/33

Left In: 182.360+/-2471.221 χ^2/NDF:13.8/22

+ sign 120.069+/-1723.364 χ^2/NDF: 68.4/55

All: 303.336+/-1214.415 χ^2/NDF: 126.3/112

- sign 484.106+/-1711.582 χ^2/NDF: 57.9/56



Right In: 10423.398+/-1.694 χ^2/NDF: 2284619.1/31

Left Out: 10468.676+/-1.755 χ^2/NDF:1045258.5/23

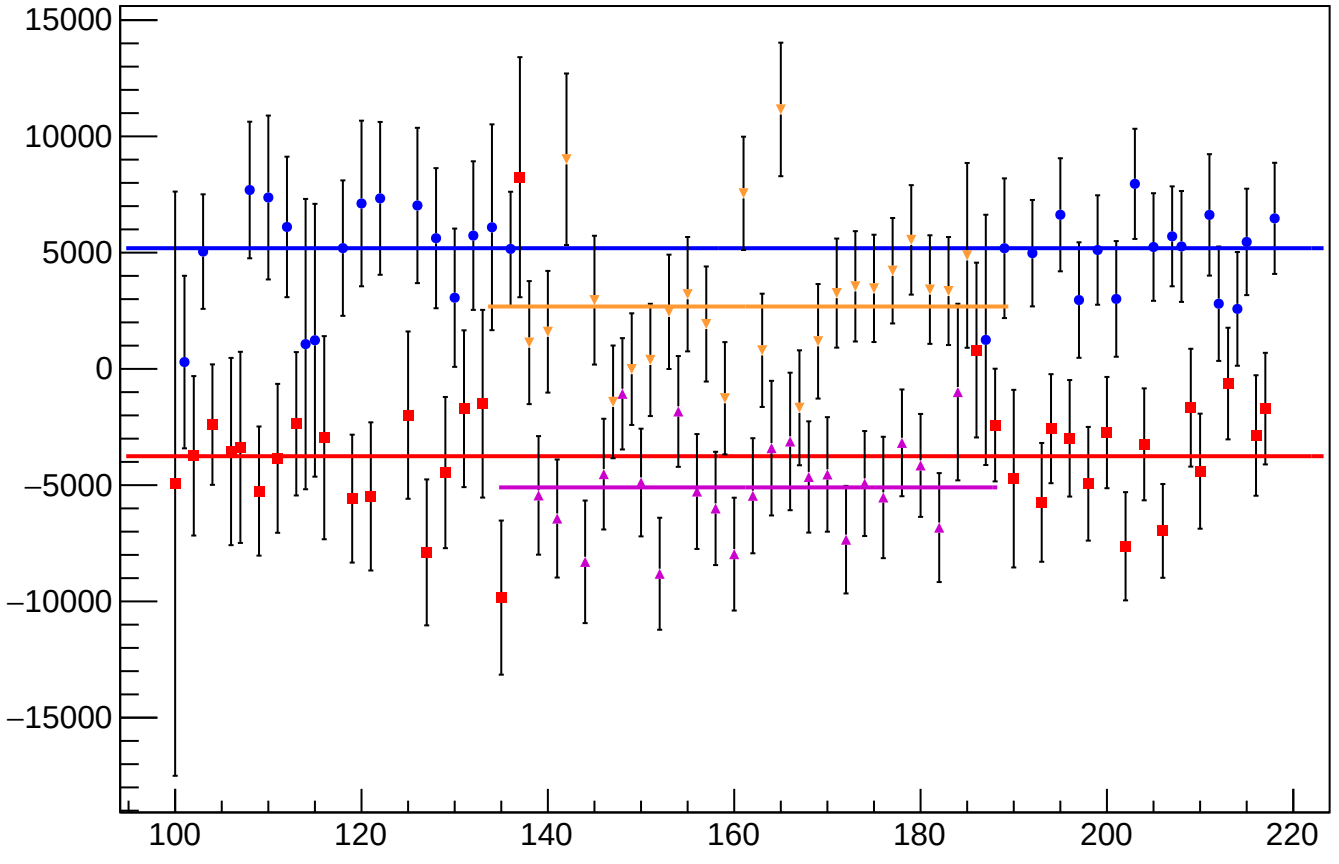
Right Out: 10232.932+/-1.678 χ^2/NDF: 2963166.2/33

Left In: 10370.886+/-1.747 χ^2/NDF:1203763.9/22

+ sign 10445.237+/-1.219 χ^2/NDF: 3330222.3/55

All: 10371.672+/-0.859 χ^2/NDF: 7507634.3/1

- sign 10299.109+/-1.210 χ^2/NDF: 4170172.9/56



Right In: 5191.082+/-492.241 χ^2/NDF: 12.0/31

Left Out: 2682.792+/-512.020 χ^2/NDF:30.8/23

Right Out: -3754.963+/-494.351 χ^2/NDF: 24.9/33

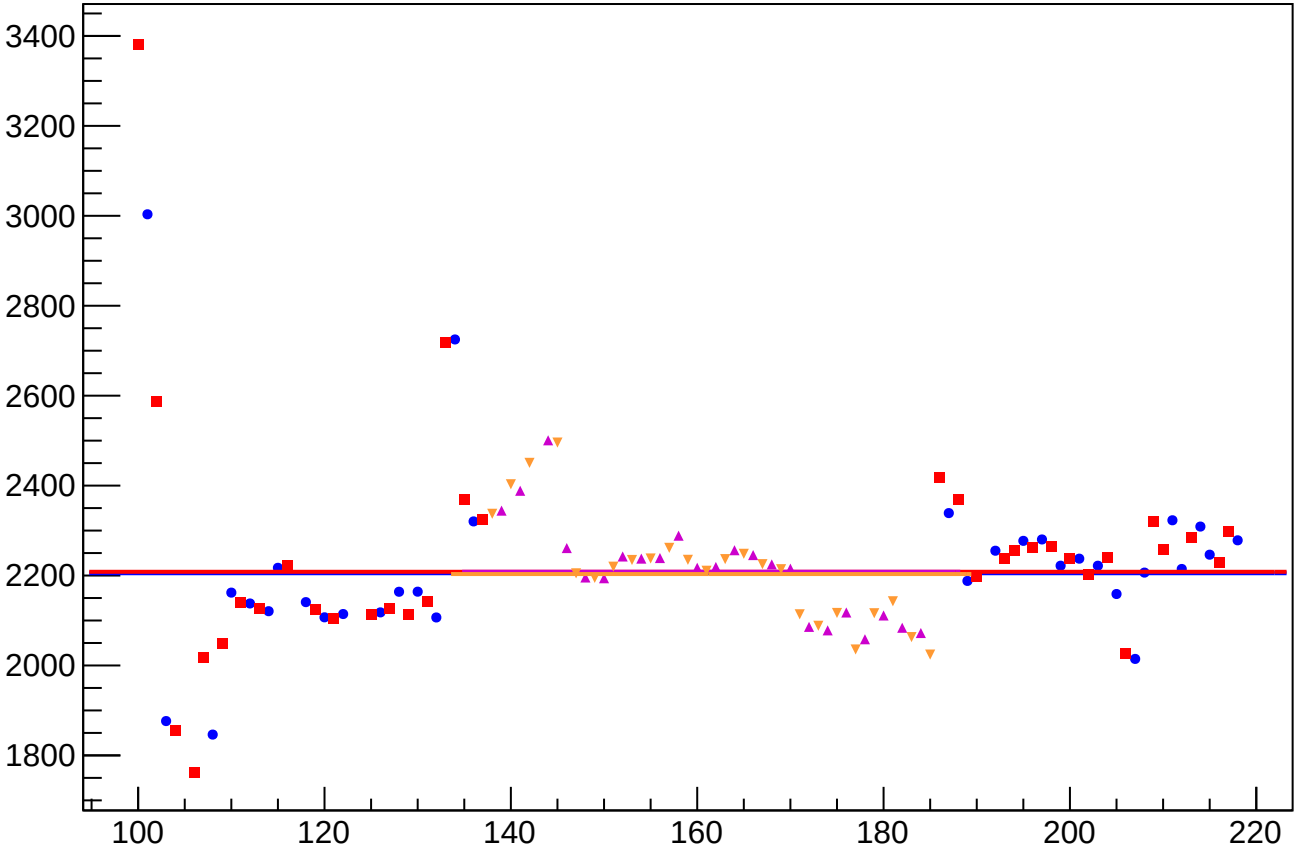
Left In: -5096.334+/-516.232 χ^2/NDF:14.9/22

+ sign 3986.320+/-354.853 χ^2/NDF: 55.3/55

All: -179.356+/-251.690 χ^2/NDF: 376.0/112

- sign -4396.619+/-357.044 χ^2/NDF: 43.3/56

eigen_cor_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2205.115+/-0.348 χ^2/NDF: 232811.2/31

Left Out: 2203.297+/-0.362 χ^2/NDF:88208.3/23

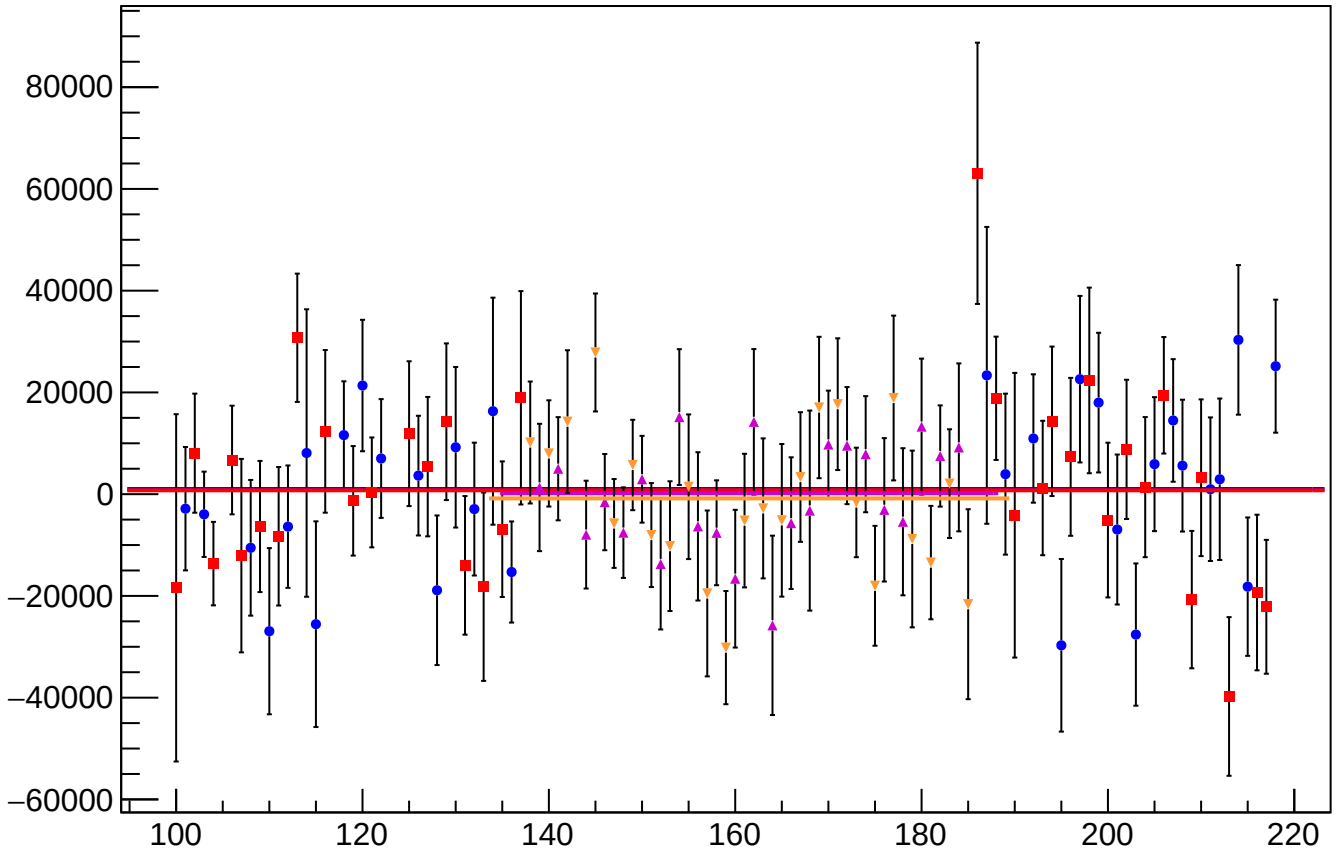
Right Out: 2208.359+/-0.349 χ^2/NDF: 213757.3/33

Left In: 2208.379+/-0.365 χ^2/NDF:80994.3/22

+ sign 2204.242+/-0.251 χ^2/NDF: 321032.6/55

All: 2206.294+/-0.178 χ^2/NDF: 615918.8/112

- sign 2208.368+/-0.252 χ^2/NDF: 294751.7/56



Right In: 1008.472+/-2395.229 χ^2/NDF: 38.6/31

Left Out: -833.458+/-2481.469 χ^2/NDF:29.5/23

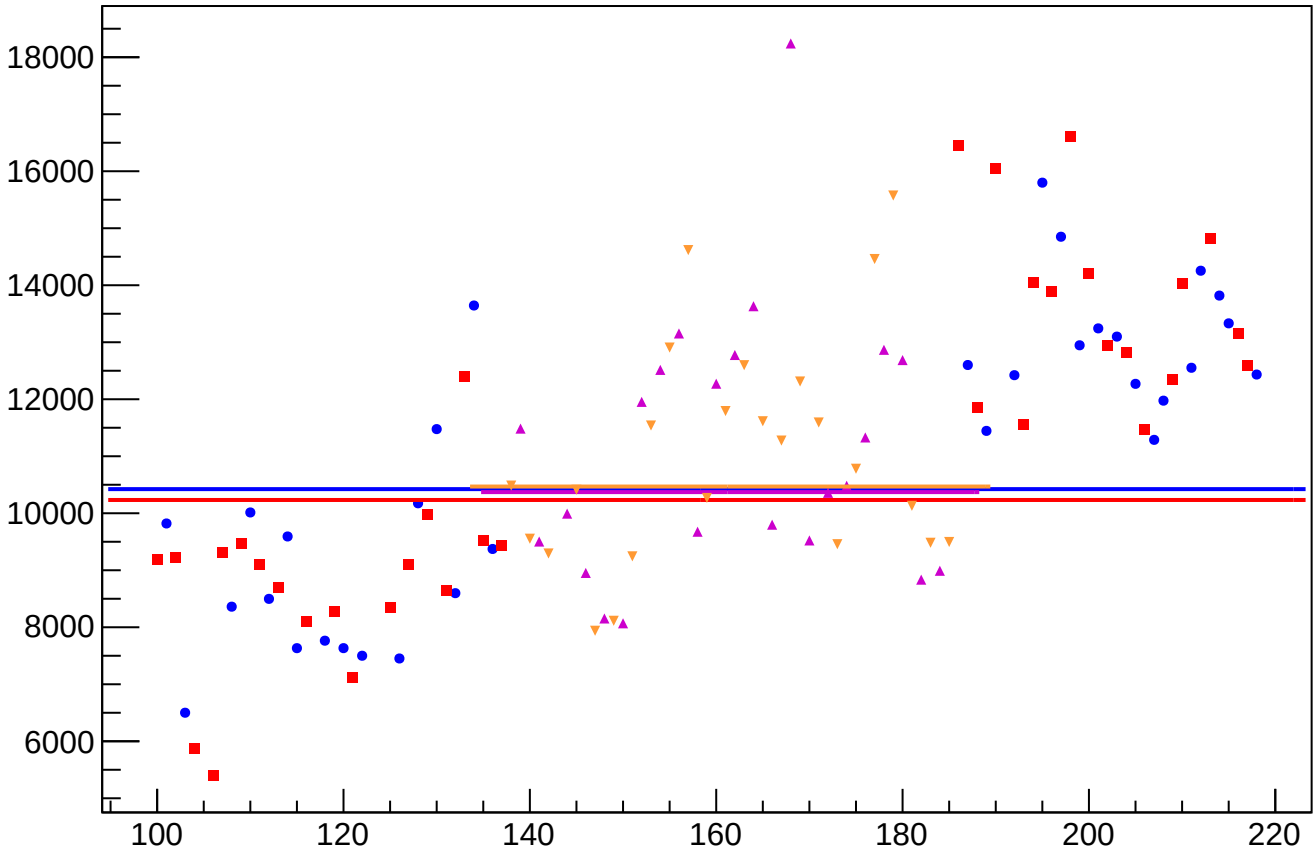
Right Out: 762.308+/-2372.858 χ^2/NDF: 44.1/33

Left In: 182.360+/-2471.221 χ^2/NDF:13.8/22

+ sign 120.069+/-1723.364 χ^2/NDF: 68.4/55

All: 303.336+/-1214.415 χ^2/NDF: 126.3/112

- sign 484.106+/-1711.582 χ^2/NDF: 57.9/56



Right In: 10423.398+/-1.694 χ^2/NDF: 2284619.1/31

Left Out: 10468.676+/-1.755 χ^2/NDF:1045258.5/23

Right Out: 10232.932+/-1.678 χ^2/NDF: 2963166.2/33

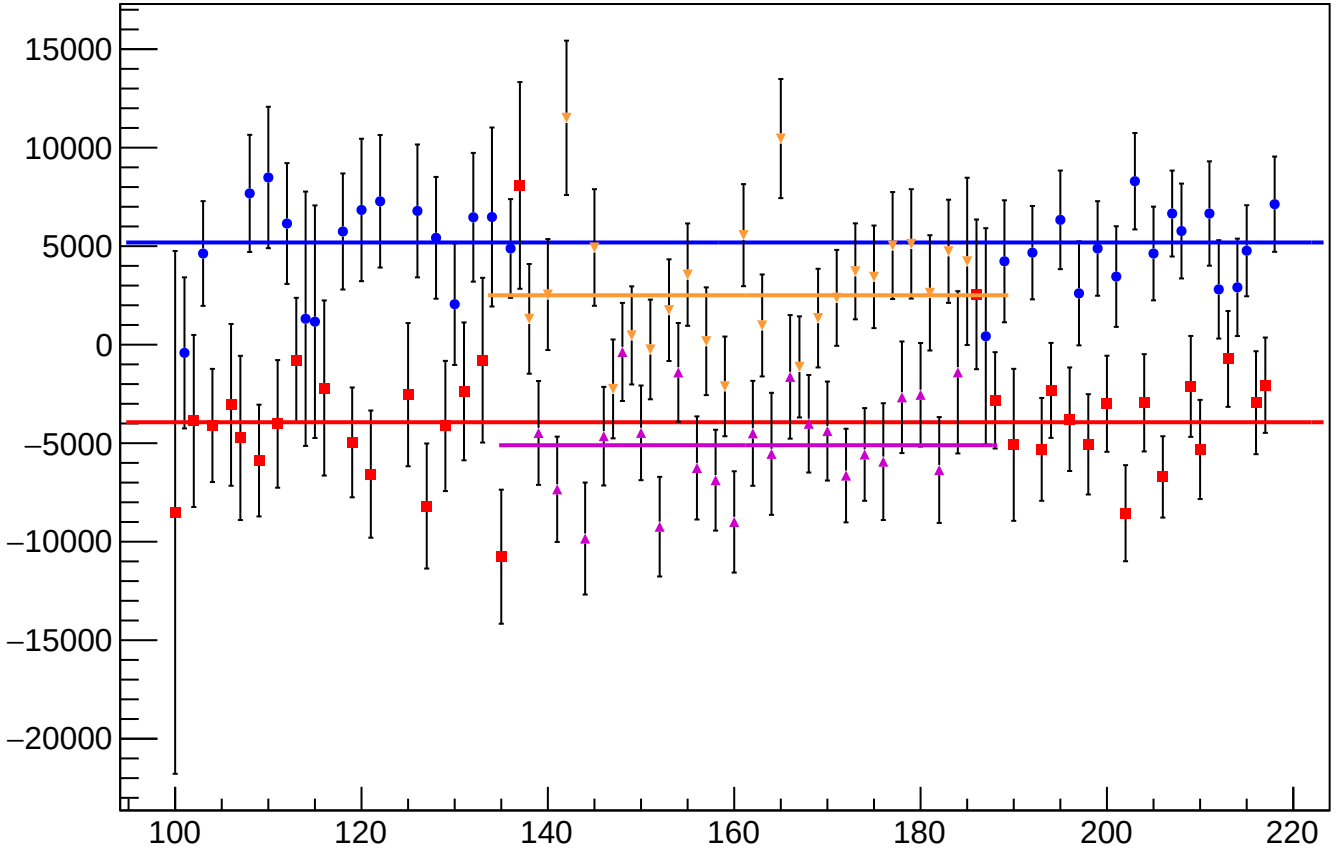
Left In: 10370.886+/-1.747 χ^2/NDF:1203763.9/22

+ sign 10445.237+/-1.219 χ^2/NDF: 3330222.3/55

All: 10371.672+/-0.859 χ^2/NDF: 7507634.3/1

- sign 10299.109+/-1.210 χ^2/NDF: 4170172.9/56

dit_asym_us_avg_at2lr_avg_avg_mean vs Slug



Right In: 5187.558+/-504.042 χ^2/NDF: 14.3/31

Left Out: 2508.976+/-551.601 χ^2/NDF:29.8/23

Right Out: -3936.550+/-508.127 χ^2/NDF: 27.8/33

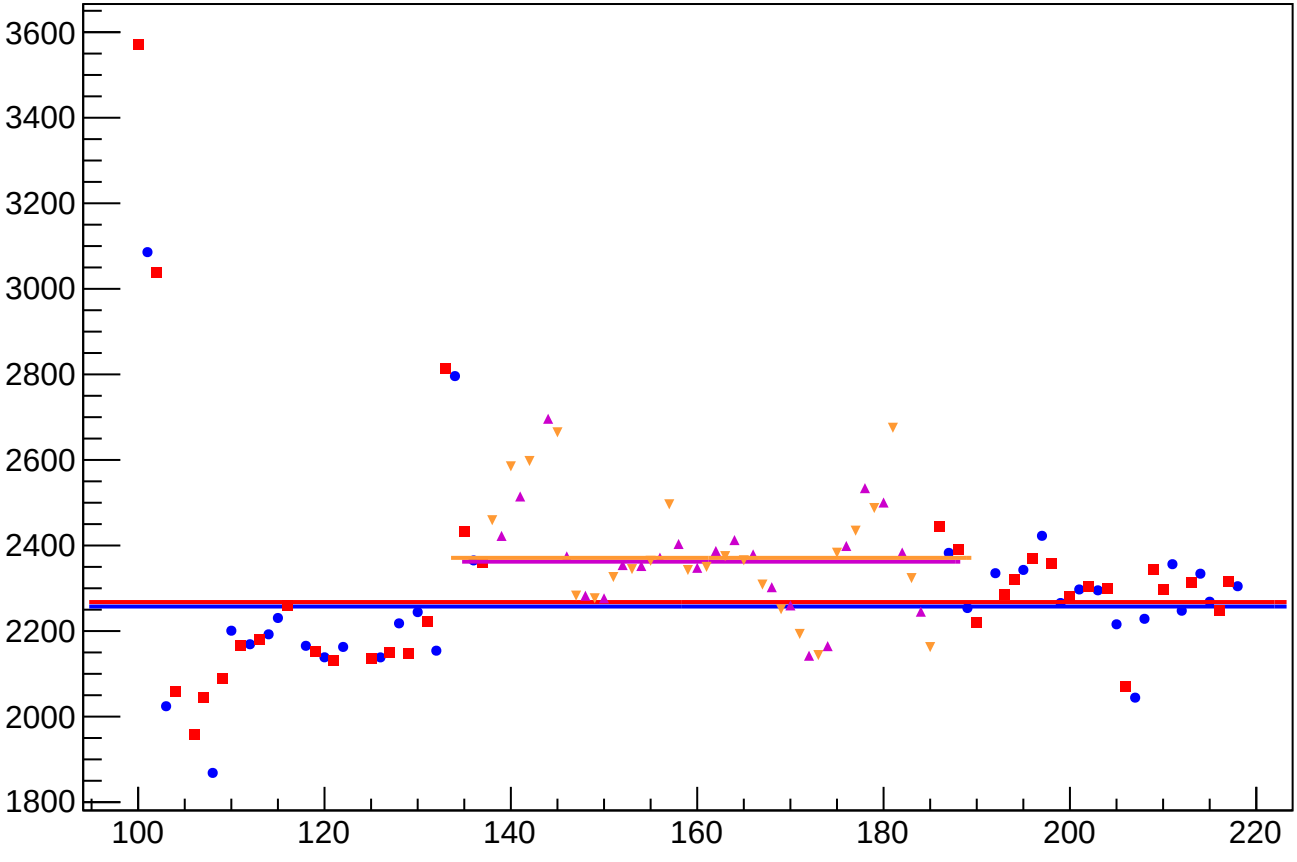
Left In: -5102.993+/-552.583 χ^2/NDF:19.9/22

+ sign 3968.699+/-372.091 χ^2/NDF: 56.9/55

All: -229.198+/-263.791 χ^2/NDF: 362.9/112

- sign -4470.970+/-374.030 χ^2/NDF: 50.1/56

dit_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2257.360+/-0.356 χ^2/NDF: 227698.1/31

Left Out: 2371.137+/-0.390 χ^2/NDF:116296.5/23

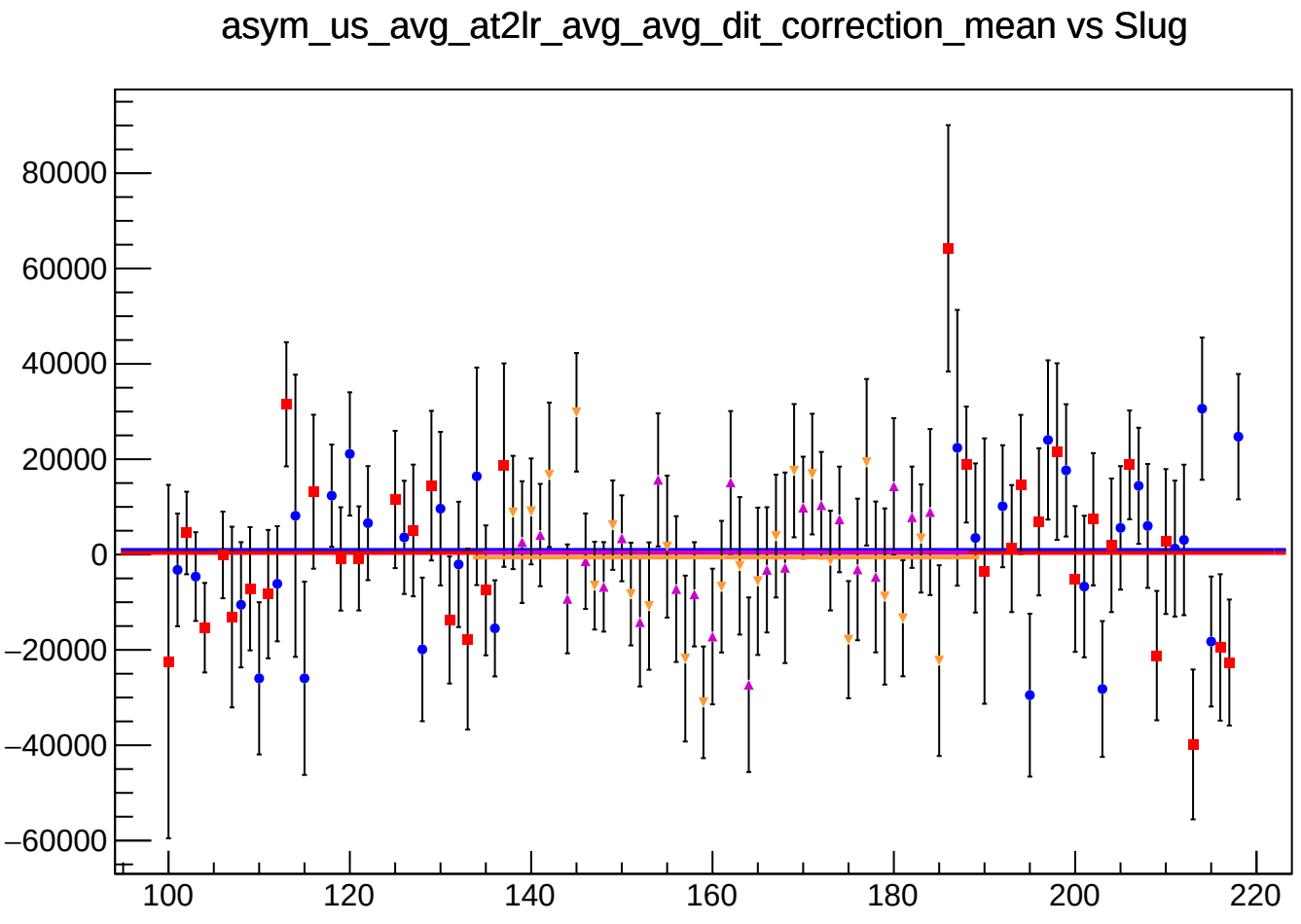
Right Out: 2267.841+/-0.359 χ^2/NDF: 215183.3/33

Left In: 2362.218+/-0.391 χ^2/NDF:91896.7/22

+ sign 2309.133+/-0.263 χ^2/NDF: 390366.0/55

All: 2310.097+/-0.187 χ^2/NDF: 729090.8/112

- sign 2311.070+/-0.264 χ^2/NDF: 338697.8/56



Right In: 967.376+/-2427.726 χ^2/NDF: 38.3/31

Left Out: -608.283+/-2589.919 χ^2/NDF:28.9/23

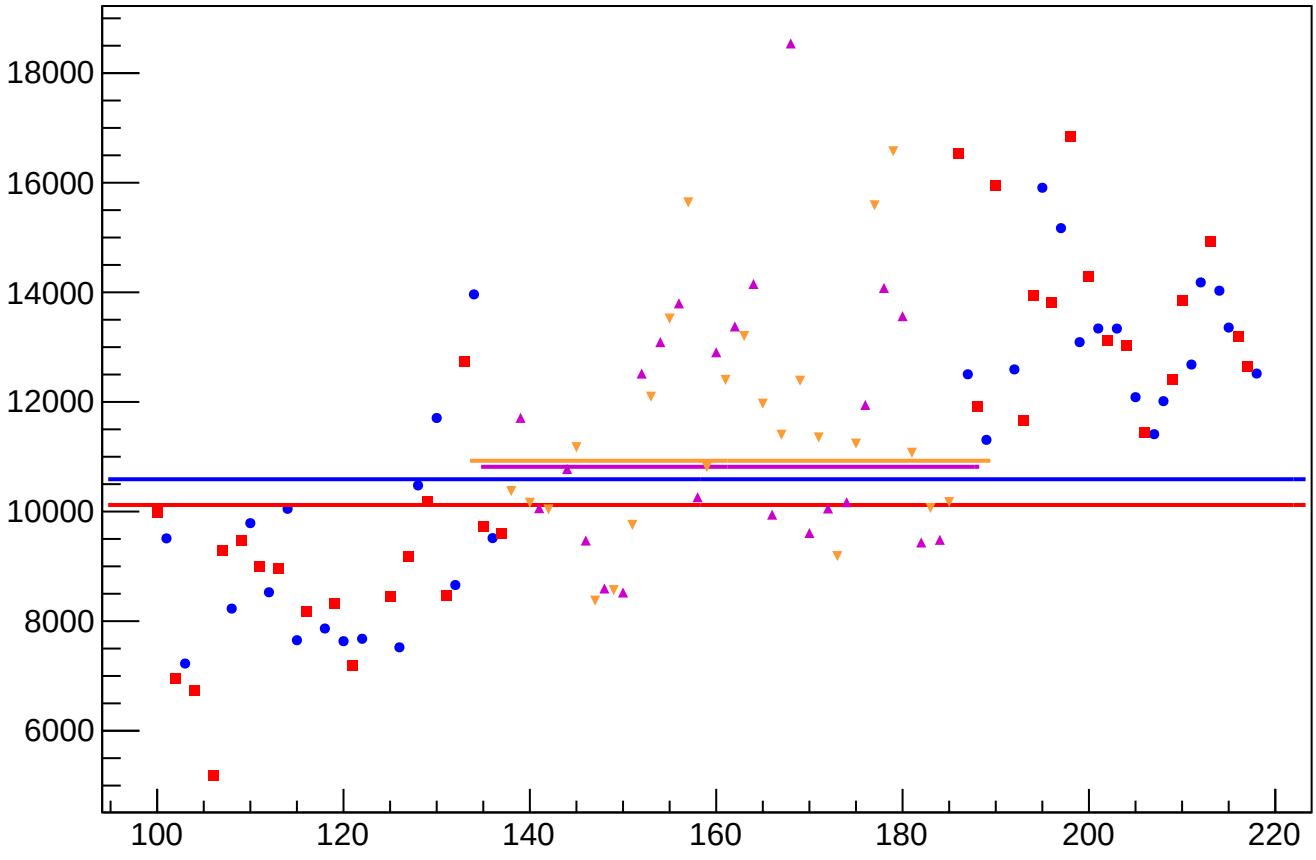
Right Out: 342.156+/-2347.006 χ^2/NDF: 43.4/33

Left In: 490.044+/-2577.213 χ^2/NDF:13.5/22

\+ sign 230.426+/-1771.227 χ^2/NDF: 67.3/55

All: 321.647+/-1239.540 χ^2/NDF: 124.3/112

\- sign 409.201+/-1735.274 χ^2/NDF: 56.9/56



Right In: 10589.598+/-1.717 χ^2/NDF: 2105687.4/31

Left Out: 10926.860+/-1.831 χ^2/NDF:1057331.1/23

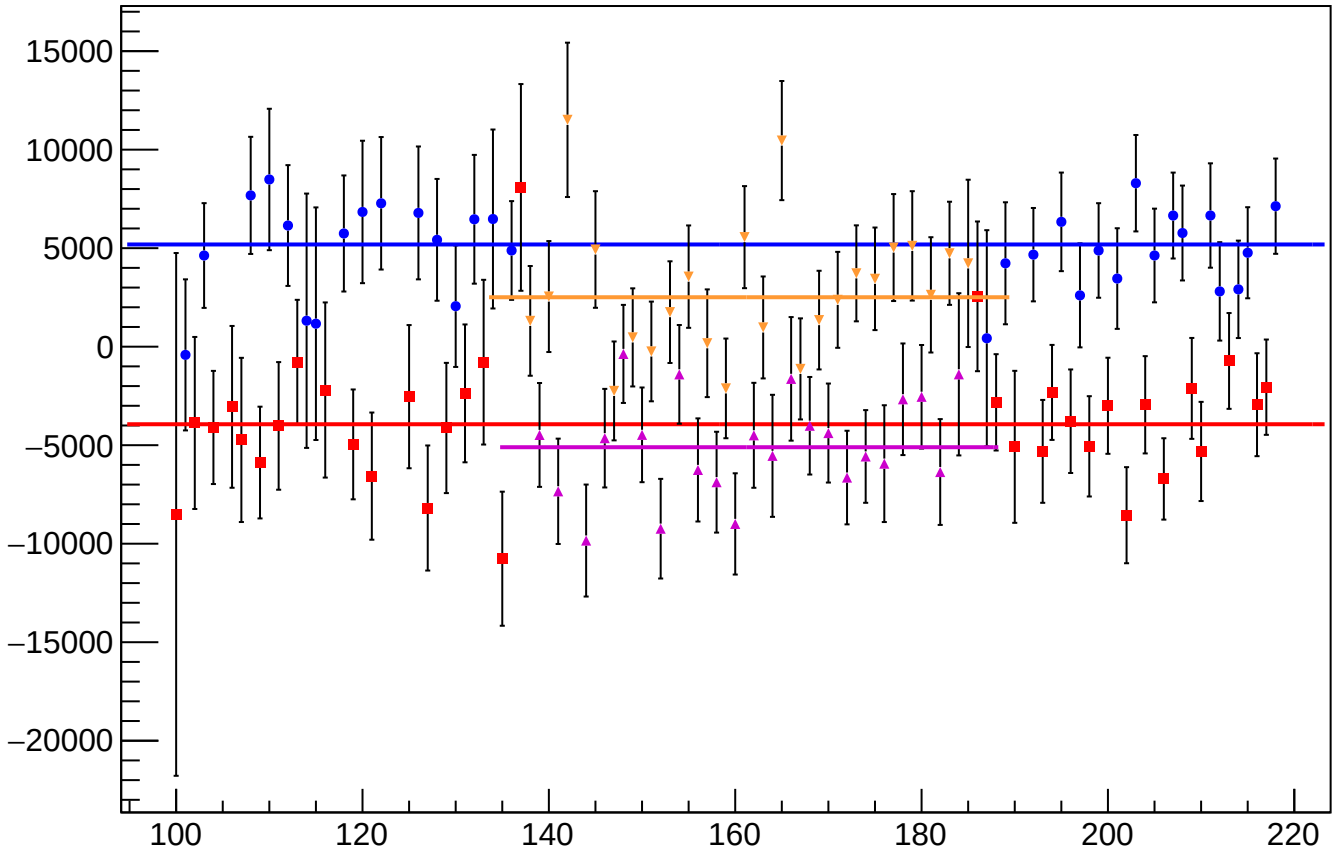
Right Out: 10119.789+/-1.660 χ^2/NDF: 3160726.6/33

Left In: 10816.320+/-1.822 χ^2/NDF:1196820.9/22

+ sign 10747.339+/-1.252 χ^2/NDF: 3181071.2/55

All: 10588.254+/-0.876 χ^2/NDF: 7650095.9/1

- sign 10435.563+/-1.227 χ^2/NDF: 4437405.4/56



Right In: 5187.552+/-504.042 χ^2/NDF: 14.3/31

Left Out: 2508.963+/-551.602 χ^2/NDF:29.8/23

Right Out: -3936.550+/-508.127 χ^2/NDF: 27.8/33

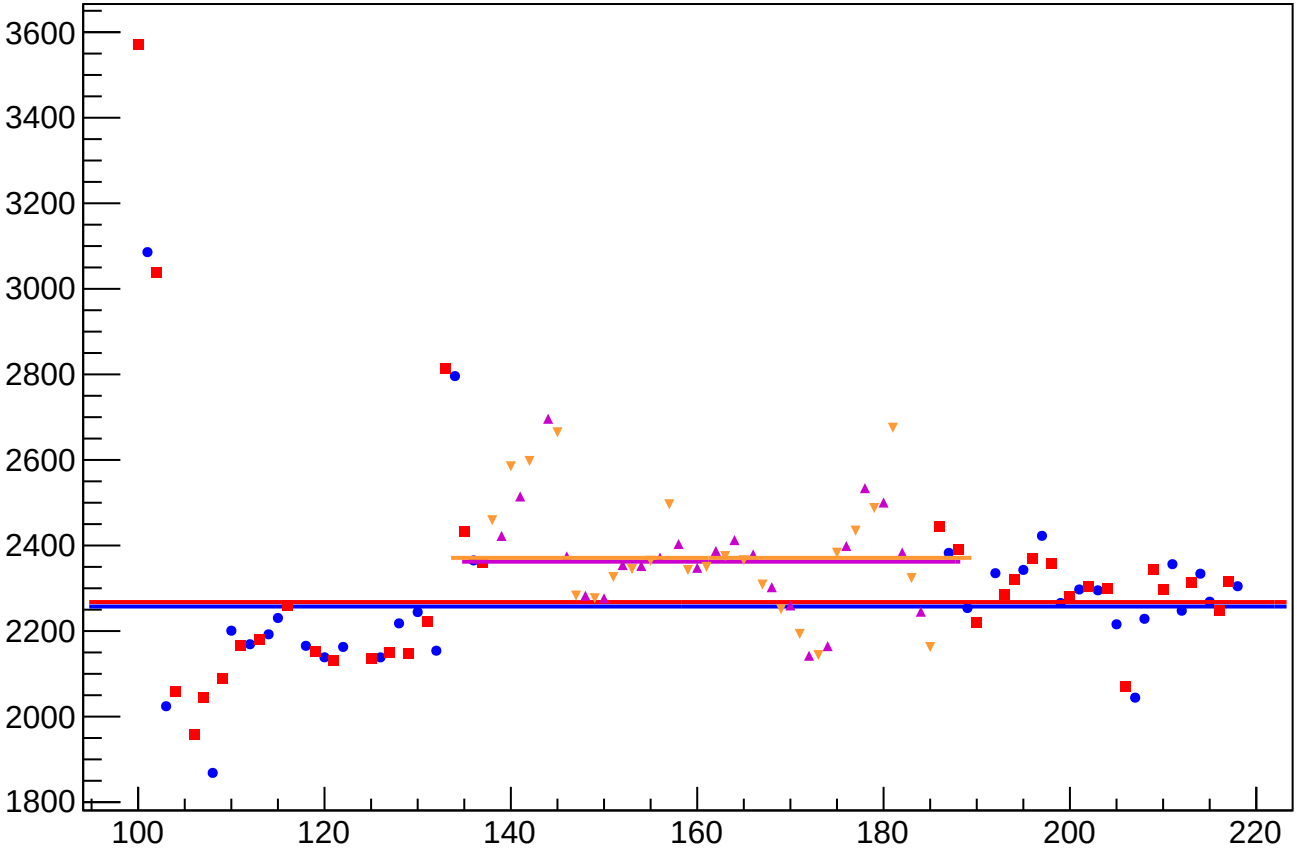
Left In: -5102.996+/-552.584 χ^2/NDF:19.9/22

+ sign 3968.692+/-372.091 χ^2/NDF: 56.9/55

All: -229.201+/-263.791 χ^2/NDF: 362.9/112

- sign -4470.971+/-374.031 χ^2/NDF: 50.1/56

eigen_dit_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2257.360+/-0.356 χ^2/NDF: 227698.5/31

Left Out: 2371.140+/-0.390 χ^2/NDF:116300.8/23

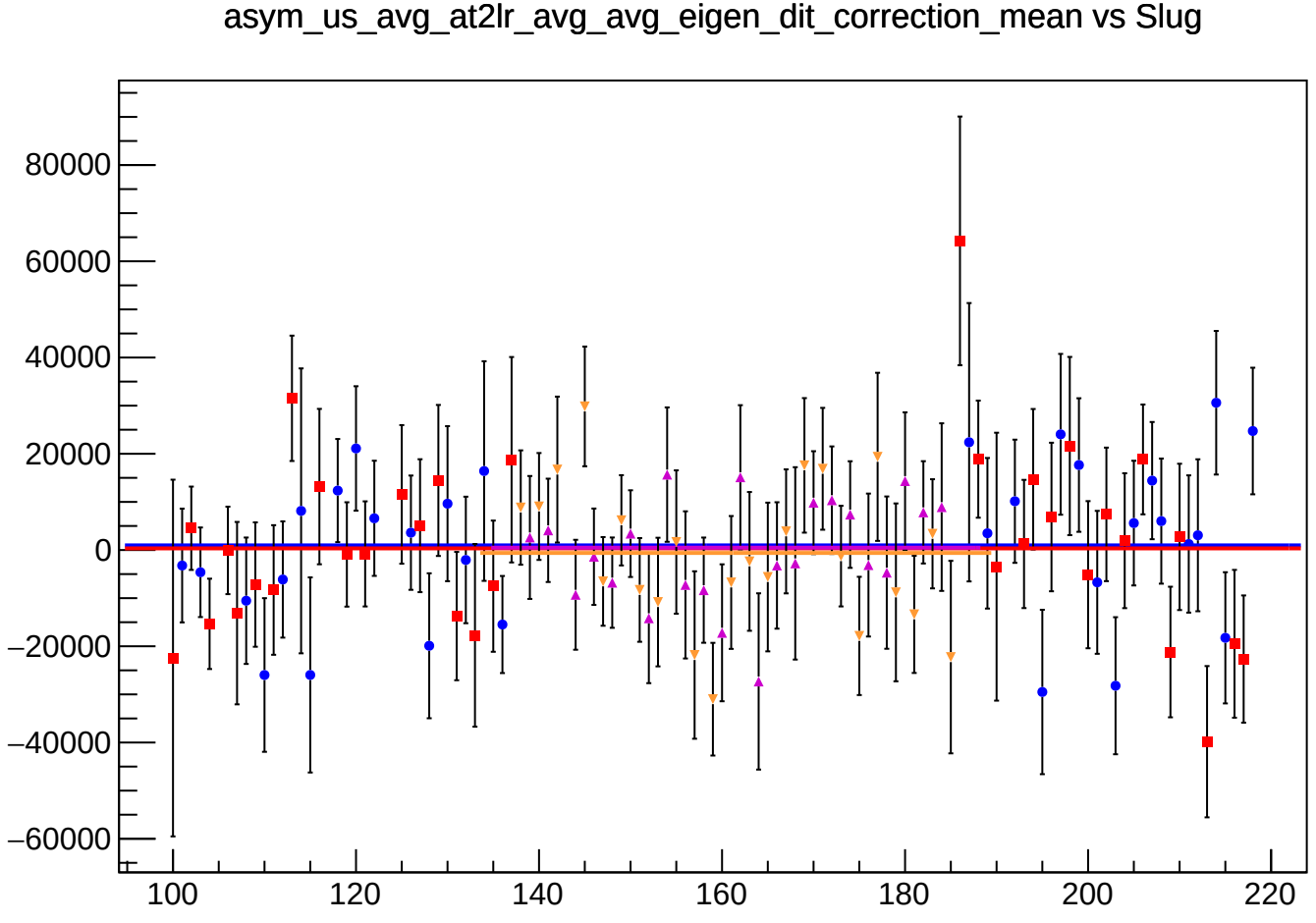
Right Out: 2267.840+/-0.359 χ^2/NDF: 215183.8/33

Left In: 2362.221+/-0.391 χ^2/NDF:91901.3/22

+ sign 2309.134+/-0.263 χ^2/NDF: 390373.4/55

All: 2310.098+/-0.187 χ^2/NDF: 729105.5/112

- sign 2311.072+/-0.264 χ^2/NDF: 338705.1/56



Right In: 967.380+/-2427.724 χ^2/NDF: 38.3/31

Left Out: -608.291+/-2589.924 χ^2/NDF:28.9/23

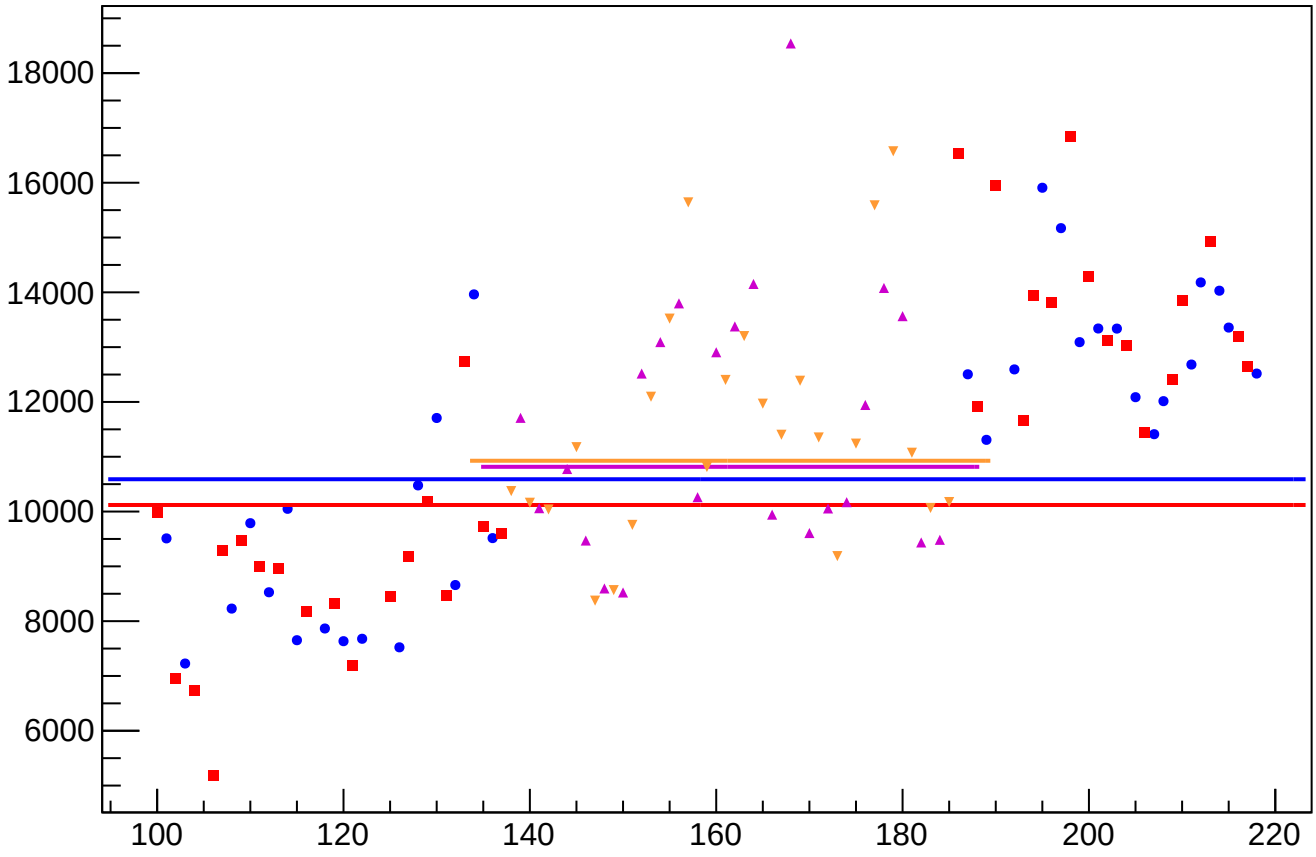
Right Out: 342.148+/-2347.004 χ^2/NDF: 43.4/33

Left In: 490.047+/-2577.218 χ^2/NDF:13.5/22

\+ sign 230.426+/-1771.228 χ^2/NDF: 67.3/55

All: 321.645+/-1239.540 χ^2/NDF: 124.3/112

\- sign 409.198+/-1735.275 χ^2/NDF: 56.9/56



Right In: 10589.588+/-1.717 χ^2/NDF: 2105721.6/31

Left Out: 10926.878+/-1.831 χ^2/NDF:1057333.6/23

Right Out: 10119.777+/-1.660 χ^2/NDF: 3160755.9/33

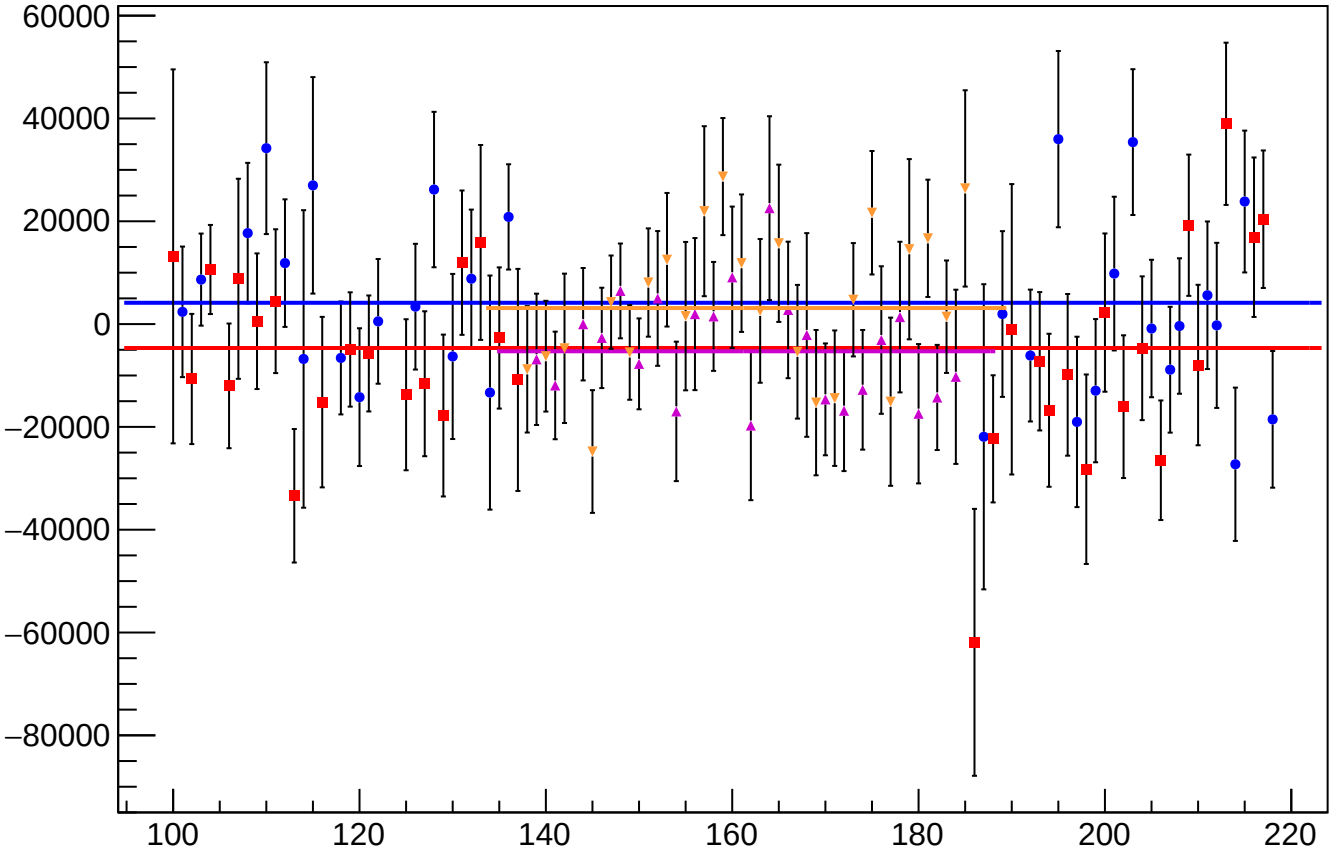
Left In: 10816.337+/-1.822 χ^2/NDF:1196824.5/22

+ sign 10747.341+/-1.252 χ^2/NDF: 3181110.9/55

All: 10588.256+/-0.876 χ^2/NDF: 7650175.4/1

- sign 10435.563+/-1.227 χ^2/NDF: 4437444.8/56

asym_us_avg_at2lr_avg_avg_mean vs Slug



Right In: 4143.709+/-2461.795 χ^2/NDF: 39.2/31

Left Out: 3119.161+/-2542.855 χ^2/NDF:27.4/23

Right Out: -4650.415+/-2450.890 χ^2/NDF: 44.2/33

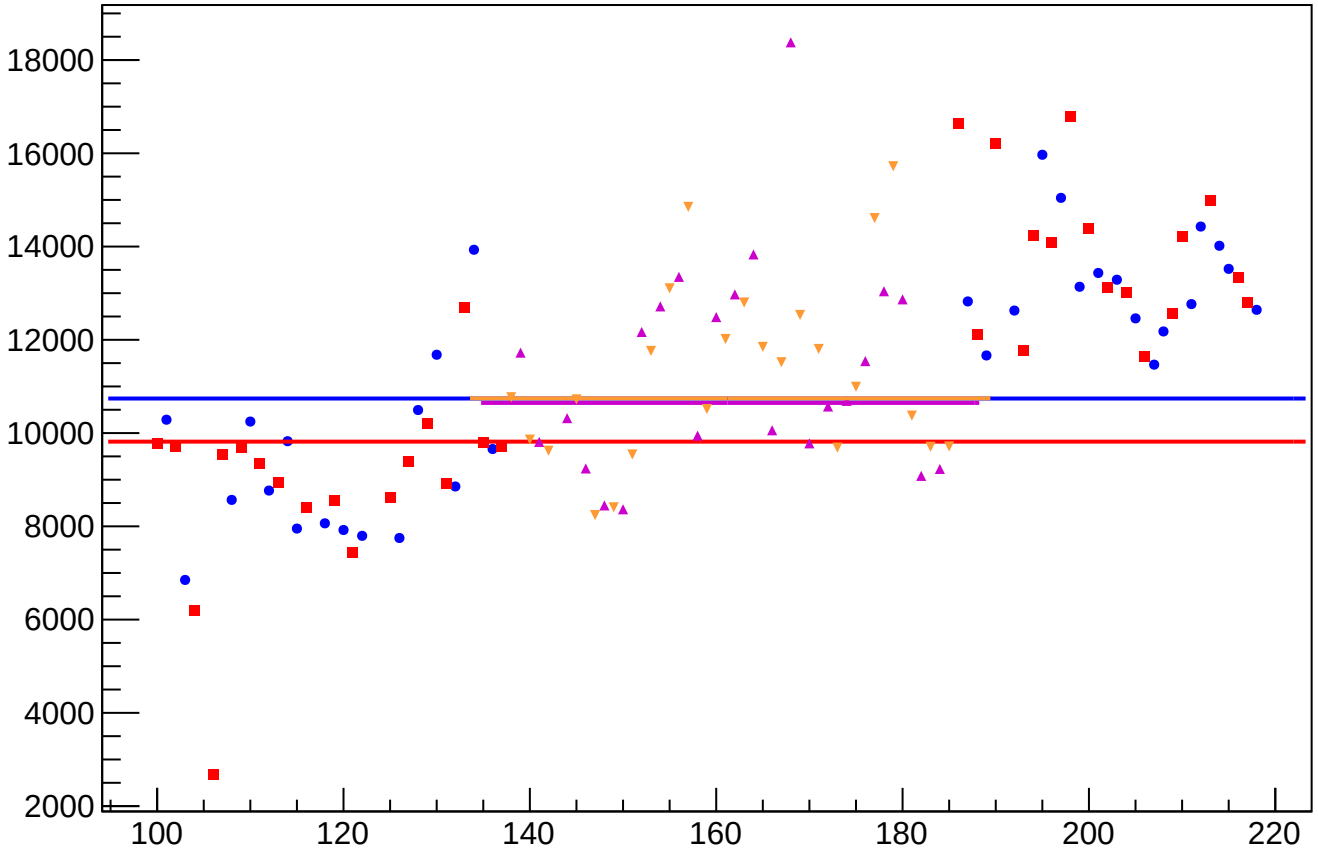
Left In: -5290.718+/-2532.995 χ^2/NDF:13.3/22

\+ sign 3648.025+/-1768.715 χ^2/NDF: 66.8/55

All: -673.951+/-1248.059 χ^2/NDF: 136.3/112

\- sign -4960.021+/-1761.352 χ^2/NDF: 57.6/56

asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 10741.201+/-1.741 χ^2/NDF: 2069953.4/31

Left Out: 10745.331+/-1.798 χ^2/NDF:964618.1/23

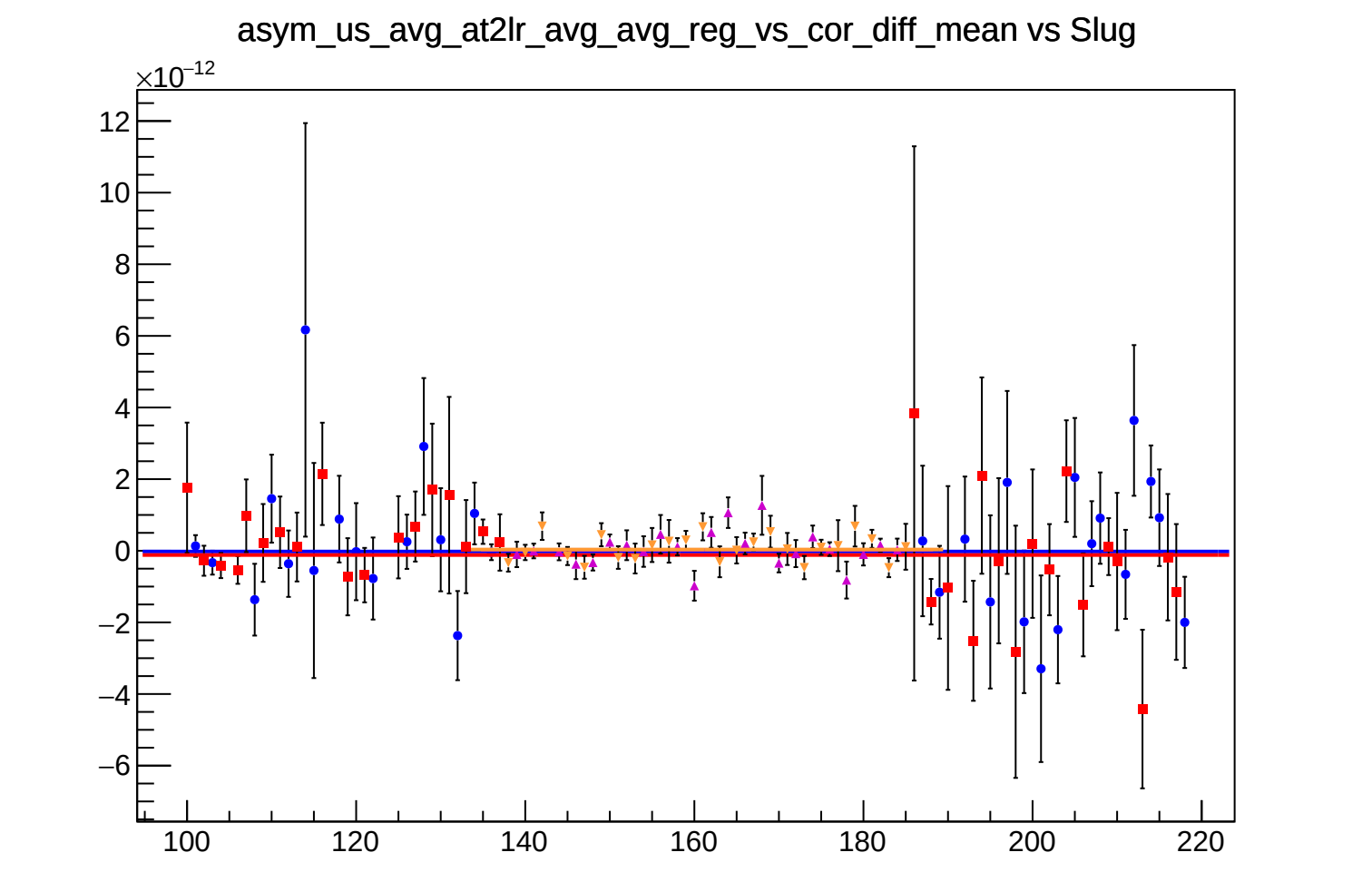
Right Out: 9816.387+/-1.659 χ^2/NDF: 4874048.0/33

Left In: 10646.477+/-1.791 χ^2/NDF:1114064.0/22

+ sign 10743.199+/-1.251 χ^2/NDF: 3034574.3/55

All: 10463.976+/-0.872 χ^2/NDF: 9235356.0/1

- sign 10199.600+/-1.217 χ^2/NDF: 6103742.9/56



Right In: -0.000+/-0.000 χ^2/NDF: 32.8/31

Left Out: 0.000+/-0.000 χ^2/NDF:26.3/23

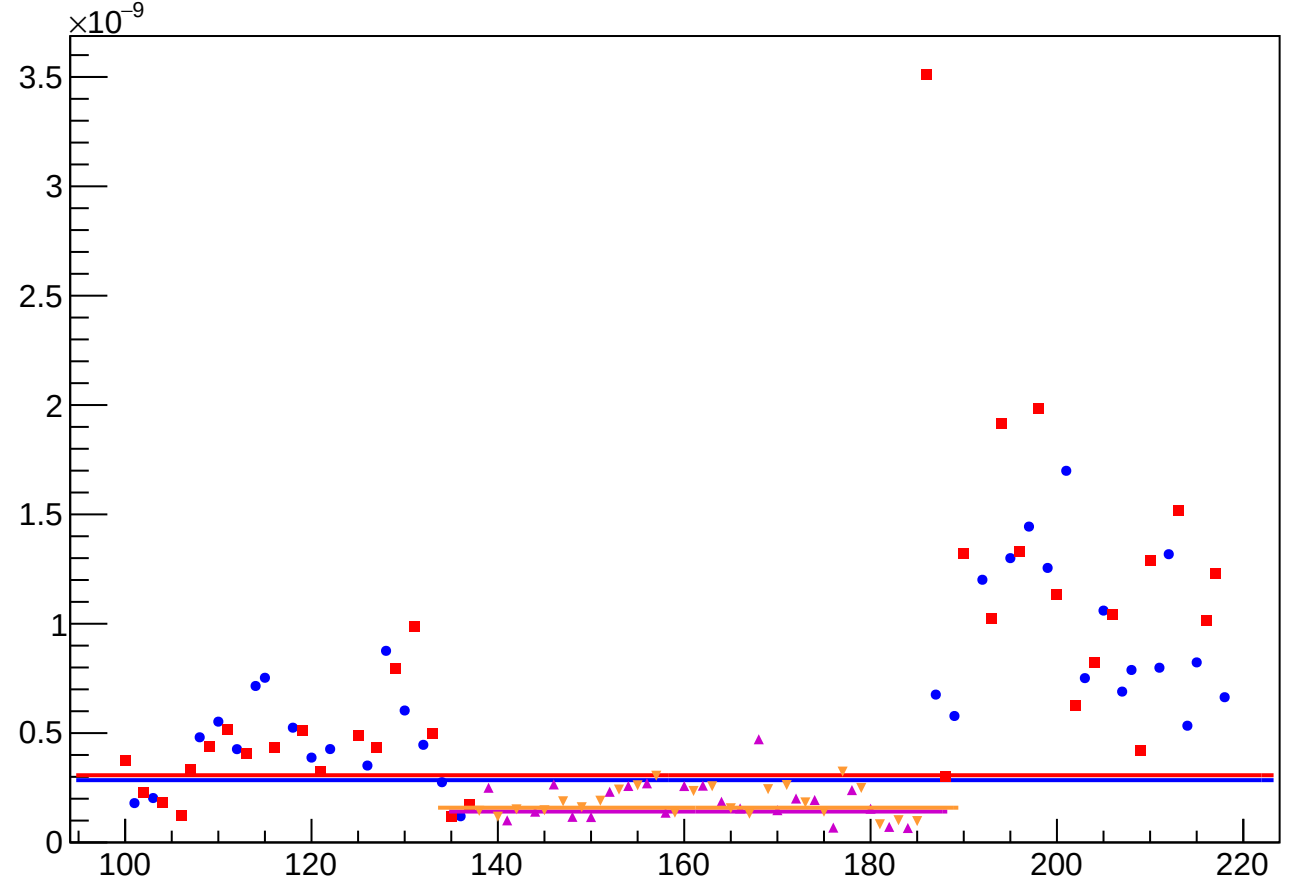
Right Out: -0.000+/-0.000 χ^2/NDF: 30.1/33

Left In: 0.000+/-0.000 χ^2/NDF:27.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 59.2/55

All: 0.000+/-0.000 χ^2/NDF: 118.1/112

- sign 0.000+/-0.000 χ^2/NDF: 58.8/56



Right In: 0.000+/-0.000 χ^2/NDF: 7381547.7/31

Left Out: 0.000+/-0.000 χ^2/NDF:1297018.7/23

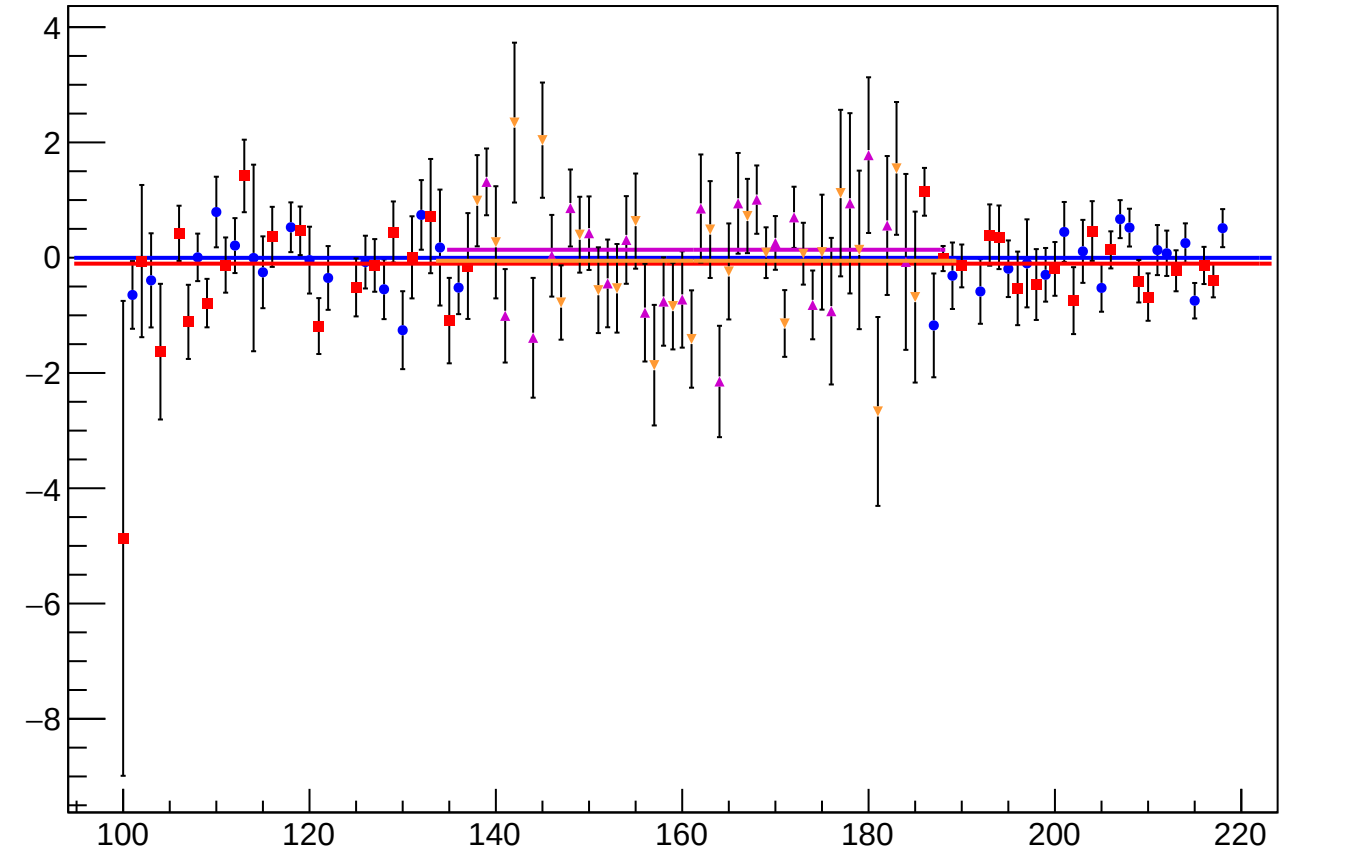
Right Out: 0.000+/-0.000 χ^2/NDF: 7766491.8/33

Left In: 0.000+/-0.000 χ^2/NDF:2396288.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 10127676.0/55

All: 0.000+/-0.000 χ^2/NDF: 22653807.0/112

- sign 0.000+/-0.000 χ^2/NDF: 12438607.1/56



Right In: -0.003+/-0.084 χ^2/NDF: 34.5/31

Left Out: -0.053+/-0.161 χ^2/NDF:30.1/23

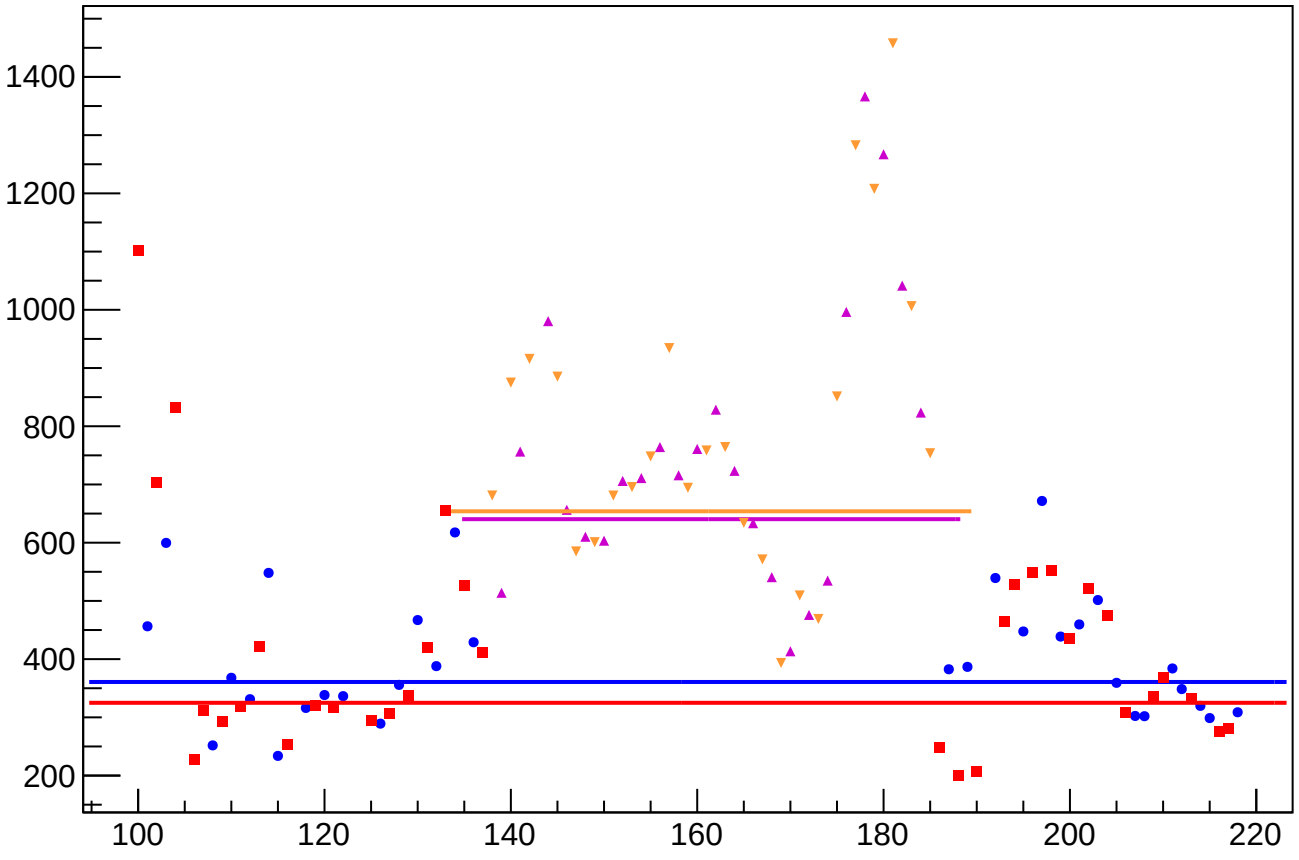
Right Out: -0.103+/-0.079 χ^2/NDF: 45.4/33

Left In: 0.138+/-0.158 χ^2/NDF:30.0/22

+ sign -0.013+/-0.075 χ^2/NDF: 64.7/55

All: -0.036+/-0.051 χ^2/NDF: 142.1/112

- sign -0.056+/-0.070 χ^2/NDF: 77.2/56



Right In: 360.772+/-0.060 χ^2/NDF: 1944004.5/31

Left Out: 653.930+/-0.114 χ^2/NDF:3124472.6/23

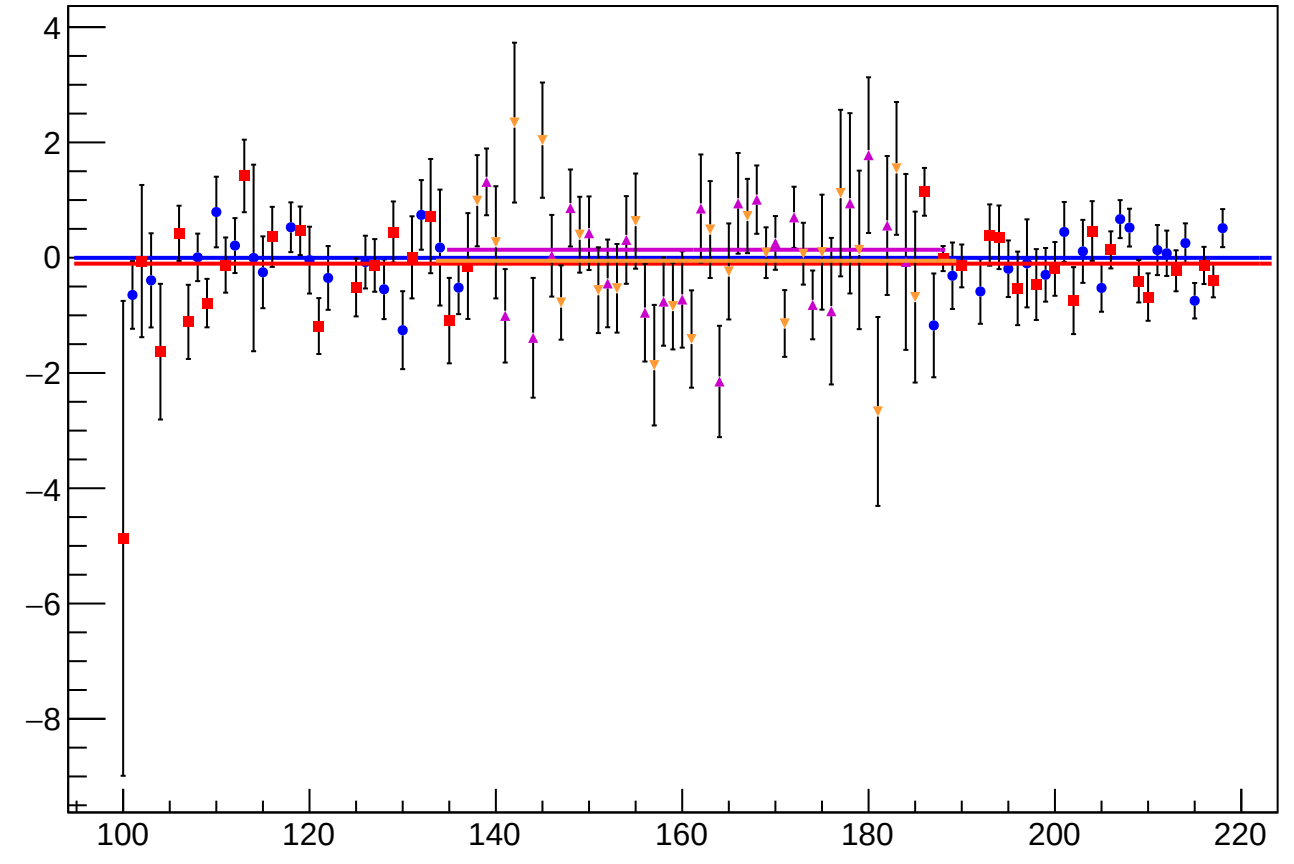
Right Out: 325.001+/-0.056 χ^2/NDF: 3710809.8/33

Left In: 640.392+/-0.112 χ^2/NDF:2647967.4/22

+ sign 423.773+/-0.053 χ^2/NDF: 10253418.5/55

All: 404.639+/-0.036 χ^2/NDF: 23255101.4/11

- sign 387.692+/-0.050 χ^2/NDF: 12754820.6/56



Right In: -0.003+/-0.084 χ^2/NDF: 34.5/31

Left Out: -0.053+/-0.161 χ^2/NDF:30.1/23

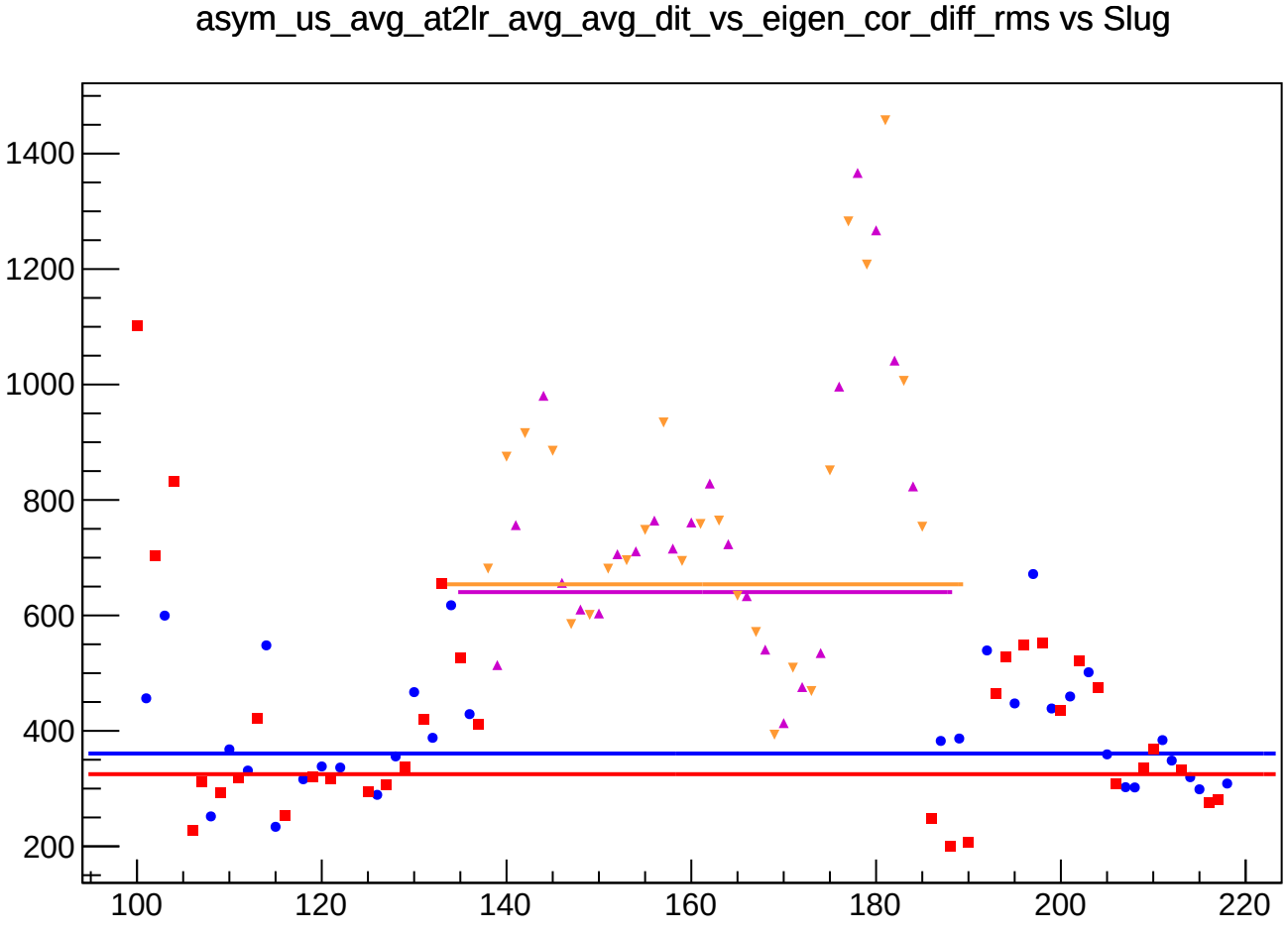
Right Out: -0.103+/-0.079 χ^2/NDF: 45.4/33

Left In: 0.138+/-0.158 χ^2/NDF:30.0/22

+ sign -0.013+/-0.075 χ^2/NDF: 64.7/55

All: -0.036+/-0.051 χ^2/NDF: 142.1/112

- sign -0.056+/-0.070 χ^2/NDF: 77.2/56



Right In: 360.772+/-0.060 χ^2/NDF: 1944004.5/31

Left Out: 653.930+/-0.114 χ^2/NDF:3124472.6/23

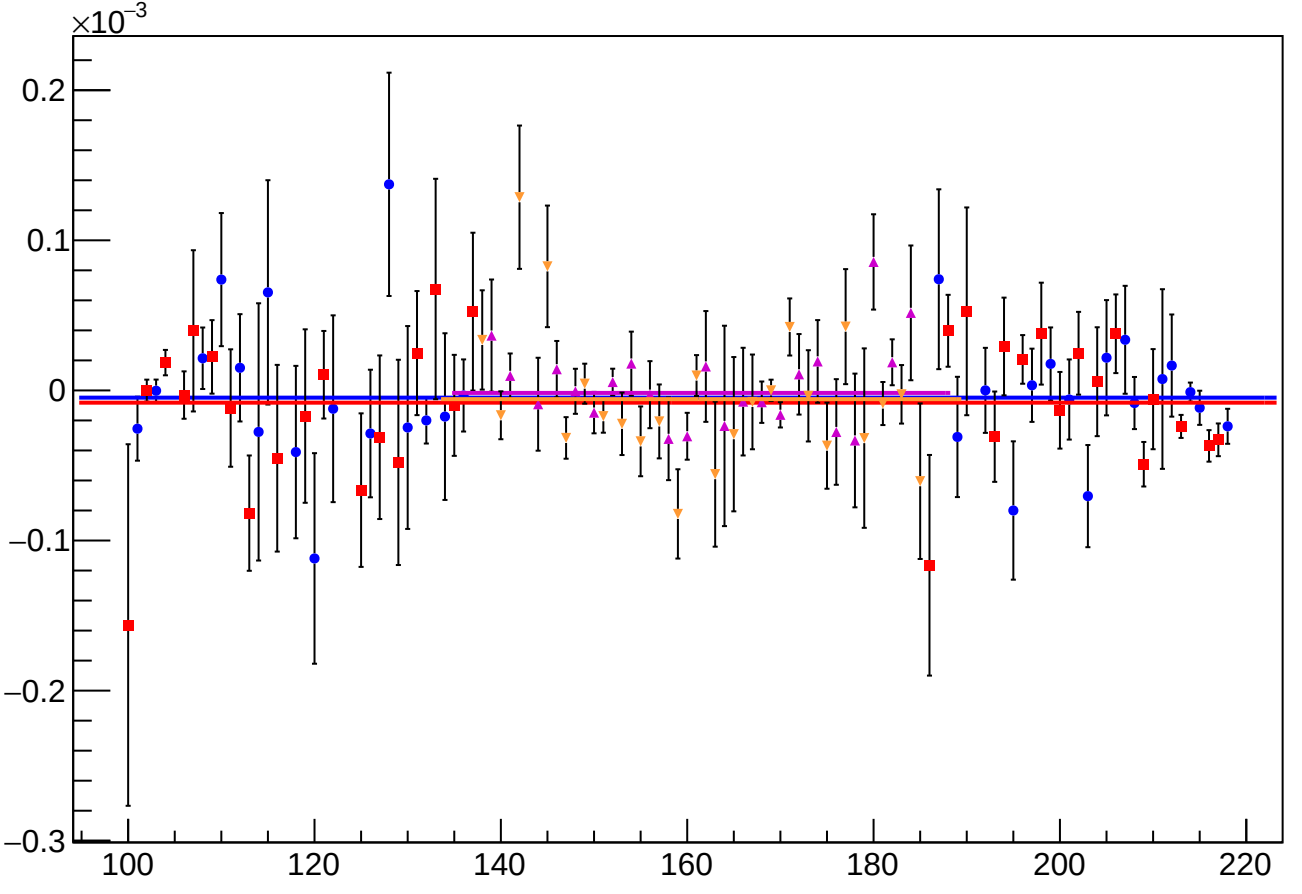
Right Out: 325.001+/-0.056 χ^2/NDF: 3710809.8/33

Left In: 640.392+/-0.112 χ^2/NDF:2647967.4/22

\+ sign 423.773+/-0.053 χ^2/NDF: 10253418.5/55

All: 404.639+/-0.036 χ^2/NDF: 23255101.4/11

\- sign 387.692+/-0.050 χ^2/NDF: 12754820.6/56



Right In: -0.000+/-0.000 χ^2/NDF: 30.2/31

Left Out: -0.000+/-0.000 χ^2/NDF:42.6/23

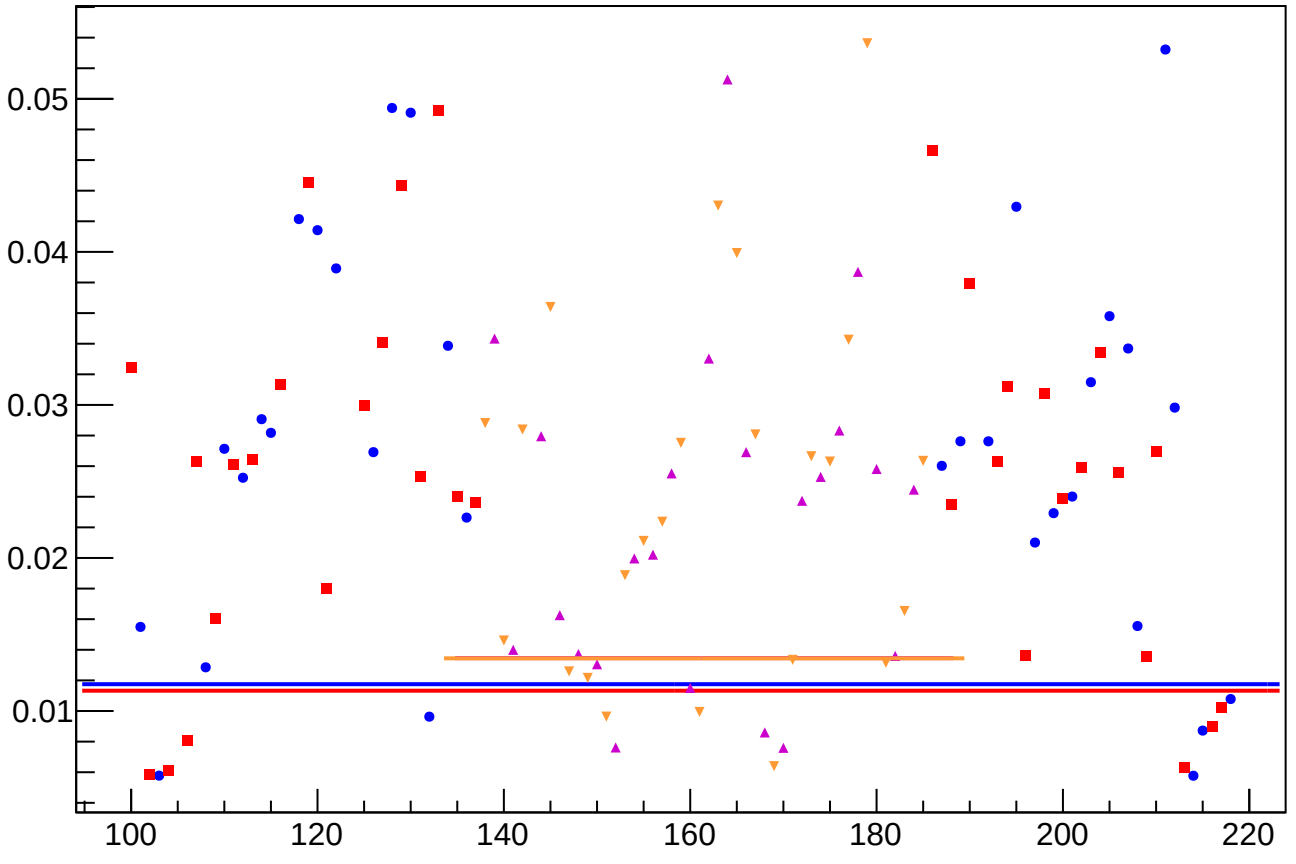
Right Out: -0.000+/-0.000 χ^2/NDF: 67.5/33

Left In: -0.000+/-0.000 χ^2/NDF:25.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 72.8/55

All: -0.000+/-0.000 χ^2/NDF: 167.7/112

- sign -0.000+/-0.000 χ^2/NDF: 94.9/56



Right In: 0.012+/-0.000 χ^2/NDF: 14369232.4/31

Left Out: 0.013+/-0.000 χ^2/NDF:8856192.5/23

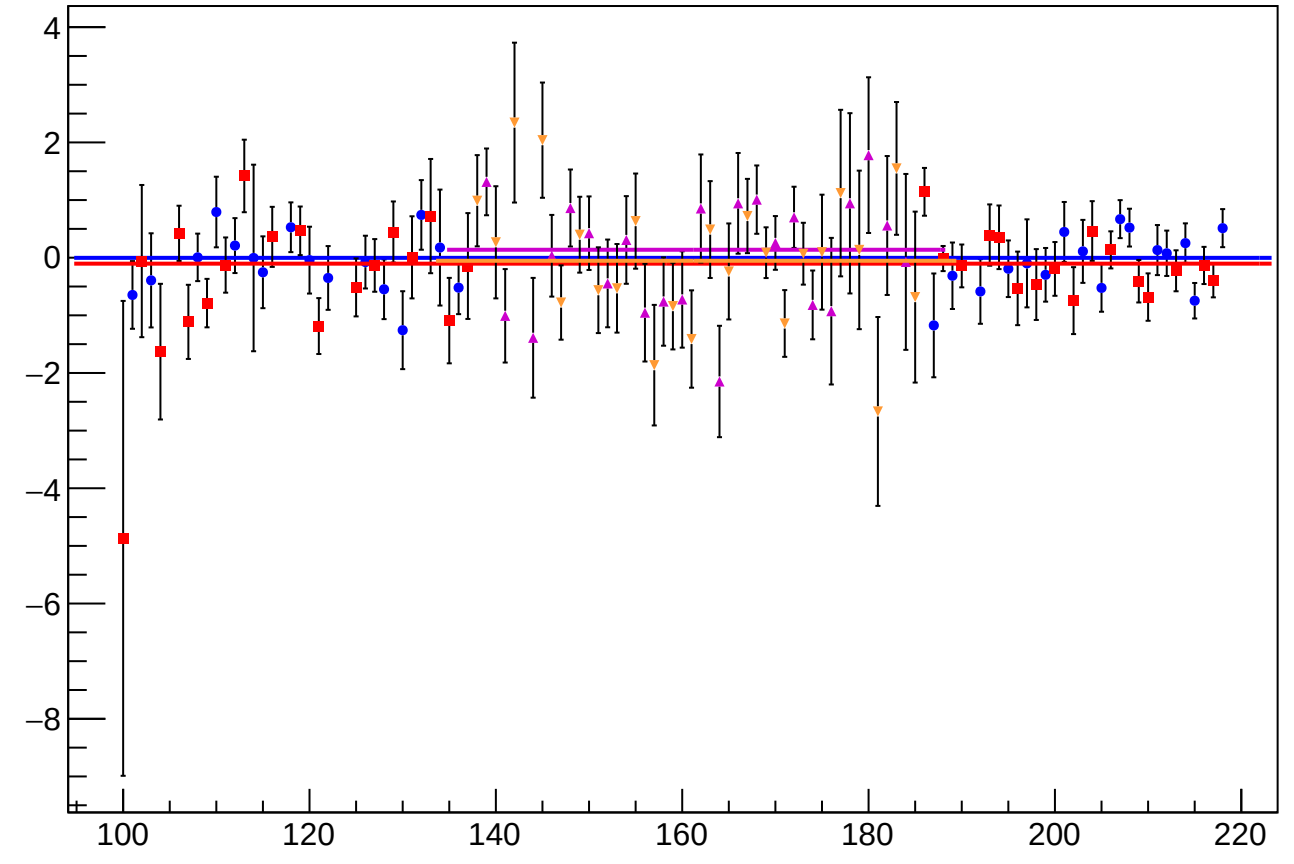
Right Out: 0.011+/-0.000 χ^2/NDF: 13106362.7/33

Left In: 0.013+/-0.000 χ^2/NDF:7548263.6/22

+ sign 0.013+/-0.000 χ^2/NDF: 23450943.7/55

All: 0.012+/-0.000 χ^2/NDF: 44497490.7/112

- sign 0.012+/-0.000 χ^2/NDF: 21031736.8/56



Right In: -0.003+/-0.084 χ^2/NDF: 34.5/31

Left Out: -0.053+/-0.161 χ^2/NDF:30.1/23

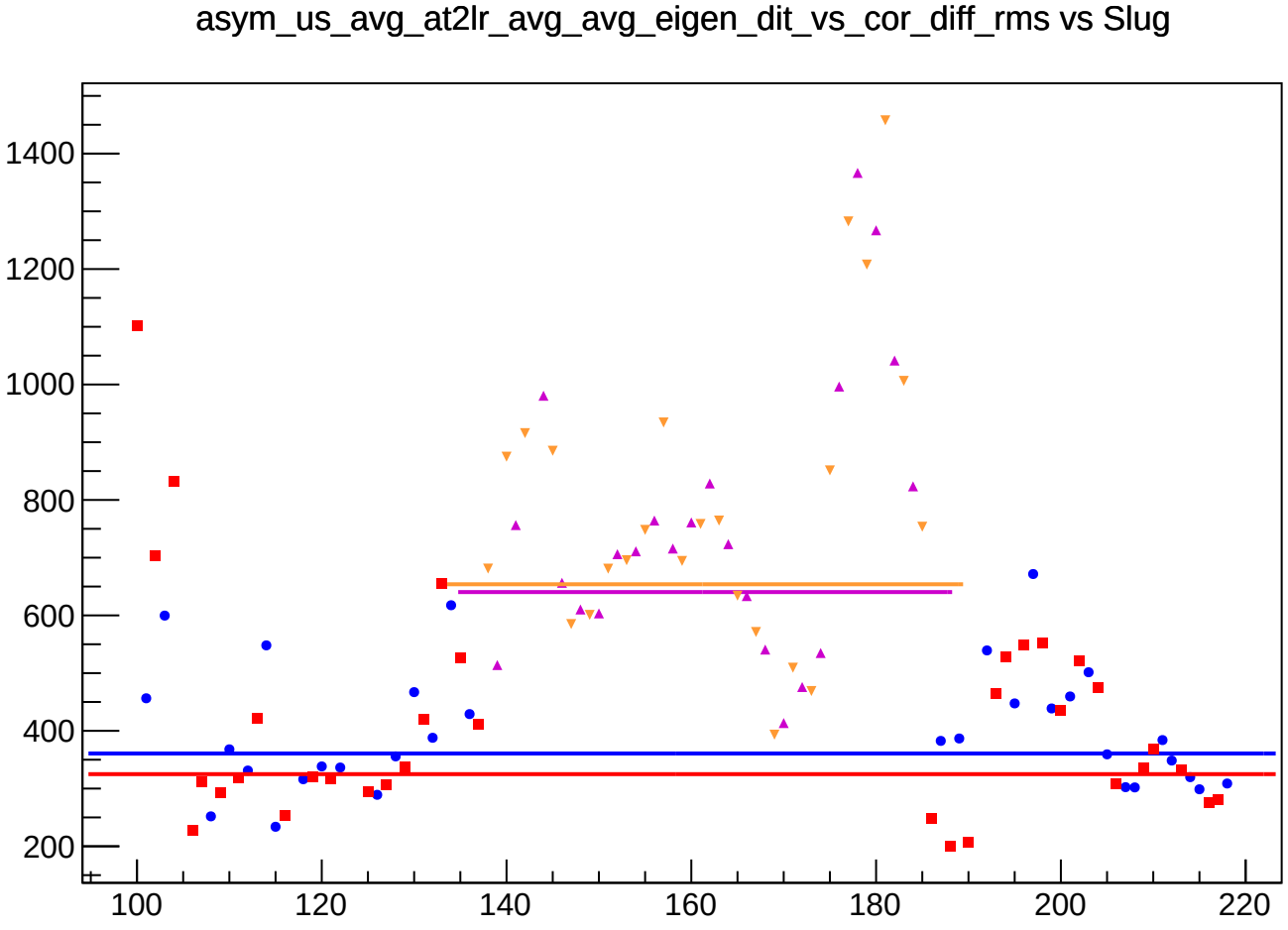
Right Out: -0.103+/-0.079 χ^2/NDF: 45.4/33

Left In: 0.138+/-0.158 χ^2/NDF:30.0/22

+ sign -0.013+/-0.075 χ^2/NDF: 64.7/55

All: -0.036+/-0.051 χ^2/NDF: 142.1/112

- sign -0.056+/-0.070 χ^2/NDF: 77.2/56



Right In: 360.772+/-0.060 χ^2/NDF: 1943991.6/31

Left Out: 653.930+/-0.114 χ^2/NDF:3124692.9/23

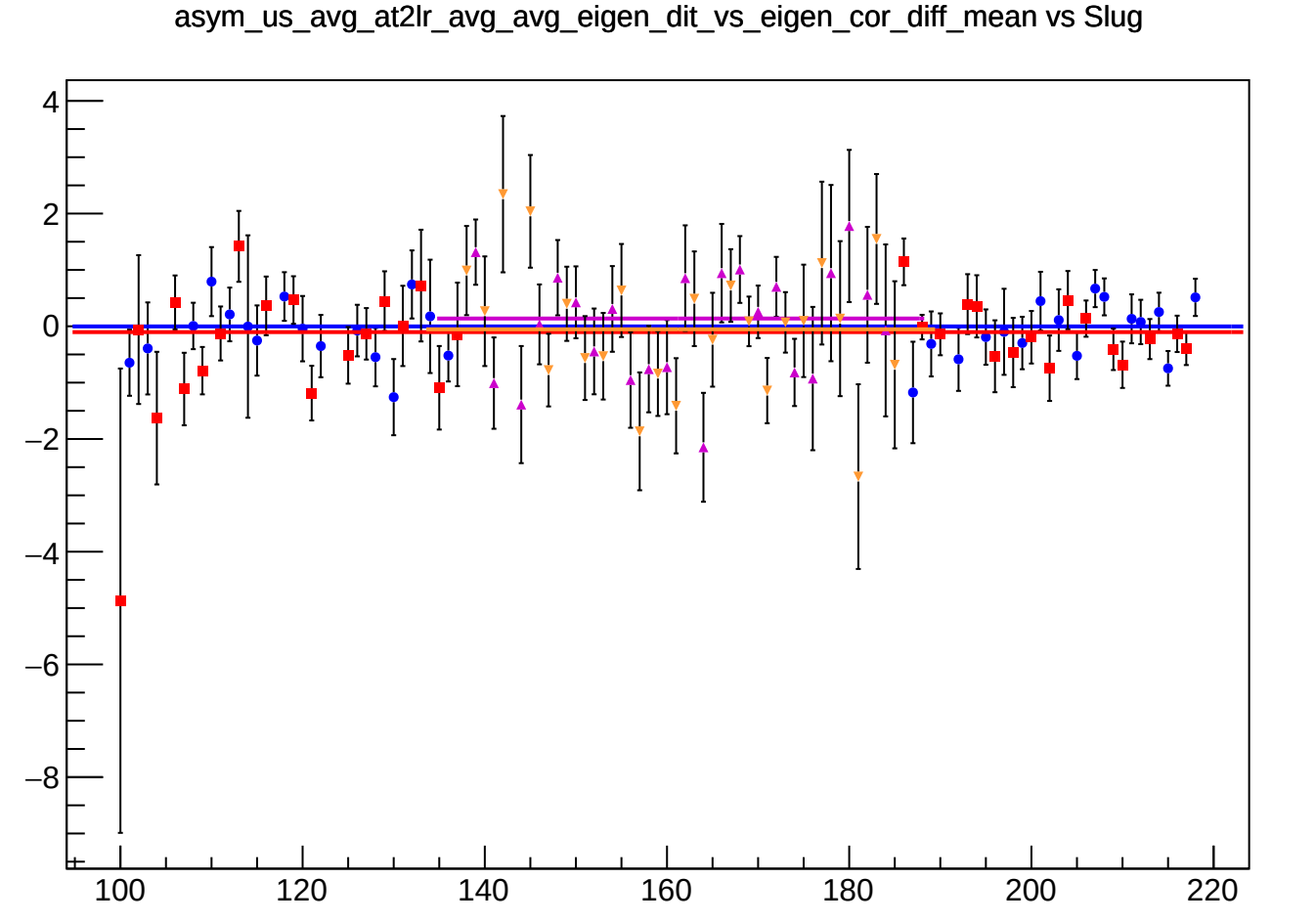
Right Out: 324.997+/-0.056 χ^2/NDF: 3710998.2/33

Left In: 640.395+/-0.112 χ^2/NDF:2648118.2/22

+ sign 423.773+/-0.053 χ^2/NDF: 10253603.9/55

All: 404.636+/-0.036 χ^2/NDF: 23255934.3/11

- sign 387.688+/-0.050 χ^2/NDF: 12755406.7/56



Right In: -0.003+/-0.084 χ^2/NDF: 34.5/31

Left Out: -0.053+/-0.161 χ^2/NDF:30.1/23

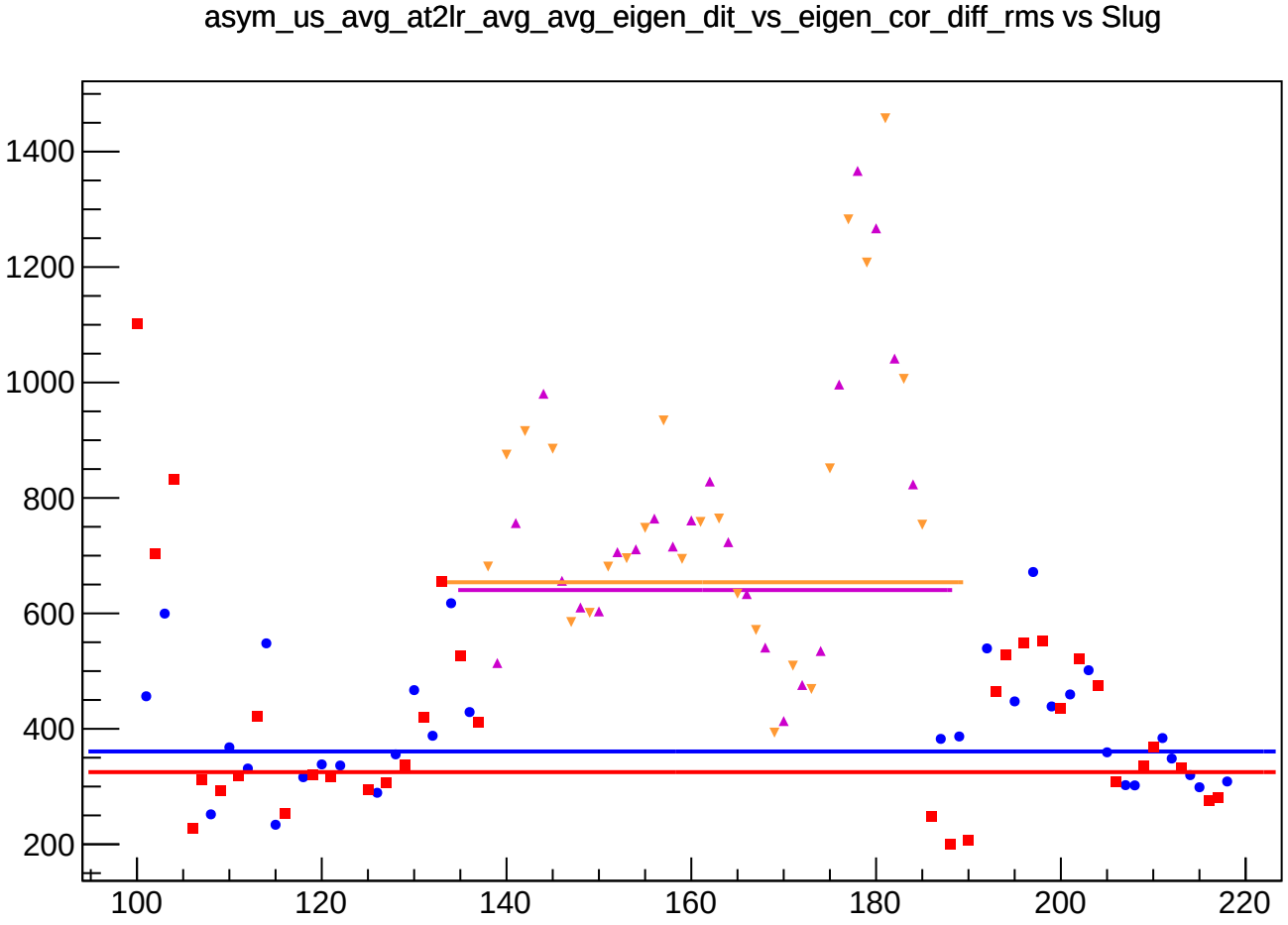
Right Out: -0.103+/-0.079 χ^2/NDF: 45.4/33

Left In: 0.138+/-0.158 χ^2/NDF:30.0/22

+ sign -0.013+/-0.075 χ^2/NDF: 64.7/55

All: -0.036+/-0.051 χ^2/NDF: 142.1/112

- sign -0.056+/-0.070 χ^2/NDF: 77.2/56



Right In: 360.772+/-0.060 χ^2/NDF: 1943991.6/31

Left Out: 653.930+/-0.114 χ^2/NDF:3124692.9/23

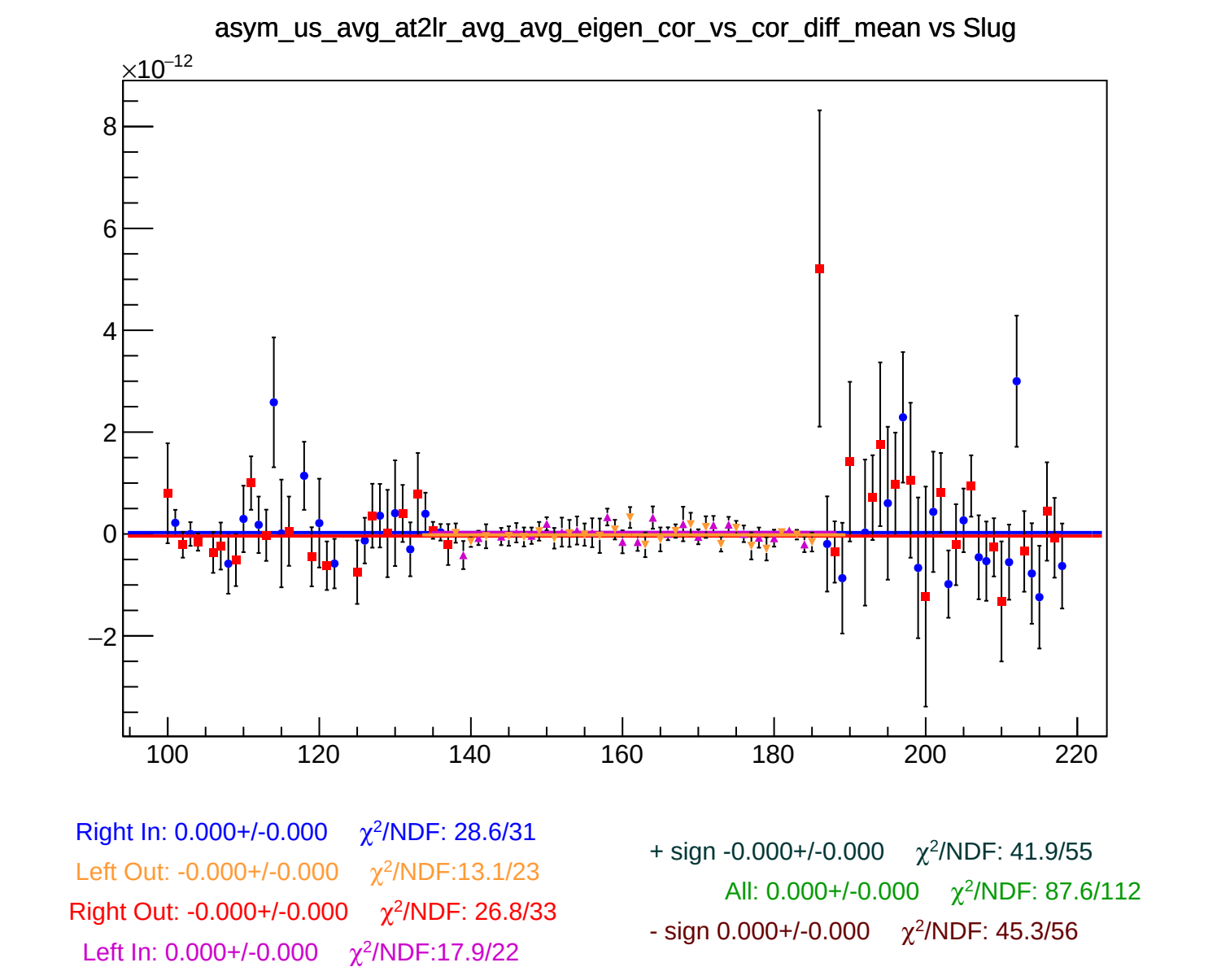
Right Out: 324.997+/-0.056 χ^2/NDF: 3710998.2/33

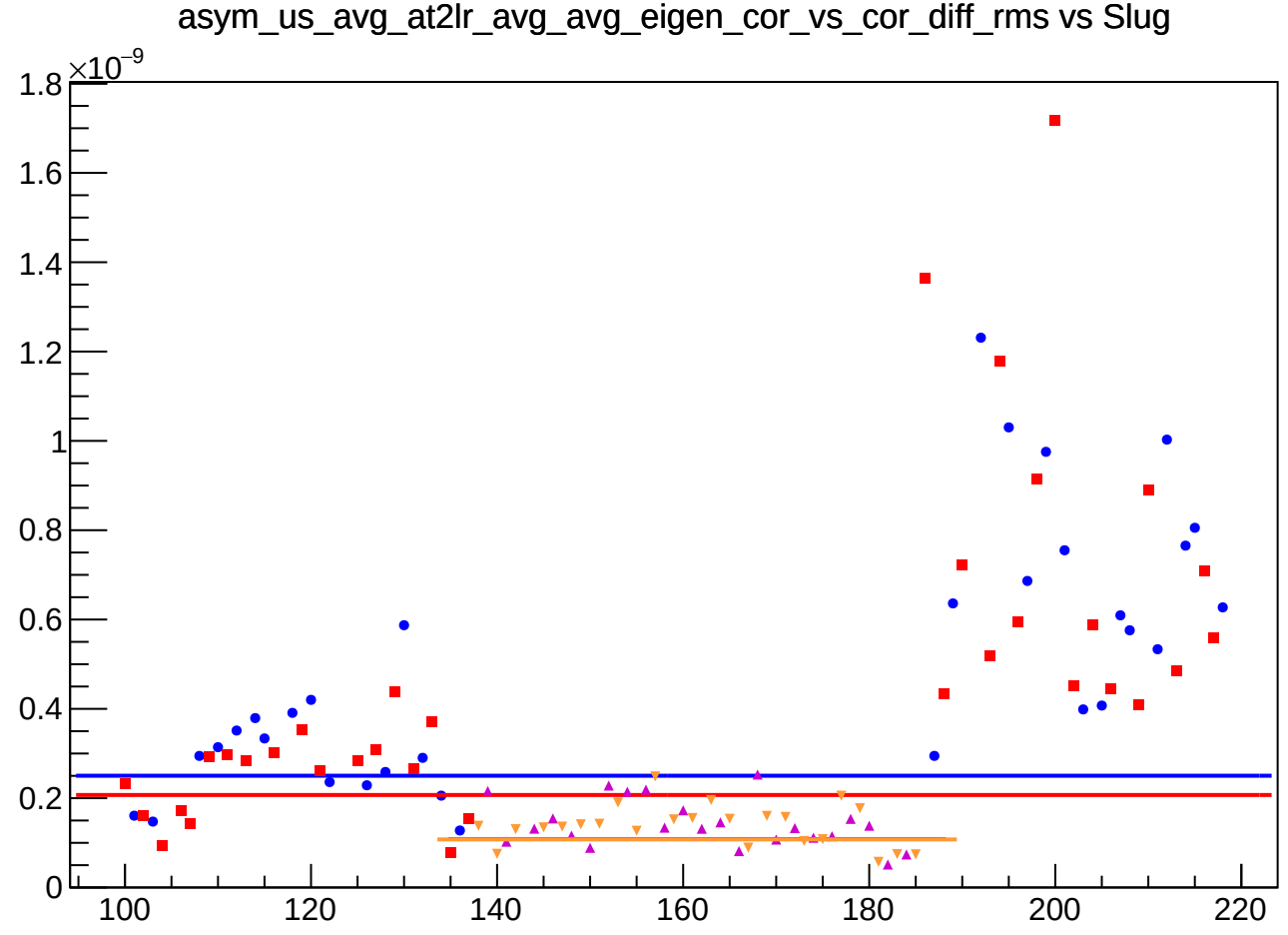
Left In: 640.395+/-0.112 χ^2/NDF:2648118.2/22

+ sign 423.773+/-0.053 χ^2/NDF: 10253603.9/55

All: 404.636+/-0.036 χ^2/NDF: 23255934.3/11

- sign 387.688+/-0.050 χ^2/NDF: 12755406.7/56


asym_us_avg_at2lr_avg_avg_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
8
6
4
2
0
−2
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 28.6/31
Left Out: -0.000+/-0.000 χ²/NDF:13.1/23
Right Out: -0.000+/-0.000 χ²/NDF: 26.8/33
Left In: 0.000+/-0.000 χ²/NDF:17.9/22
+ sign -0.000+/-0.000 χ²/NDF: 41.9/55
All: 0.000+/-0.000 χ²/NDF: 87.6/112
- sign 0.000+/-0.000 χ²/NDF: 45.3/56



Right In: 0.000+/-0.000 χ^2/NDF: 8703989.1/31

Left Out: 0.000+/-0.000 χ^2/NDF:3452023.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 9499508.7/33

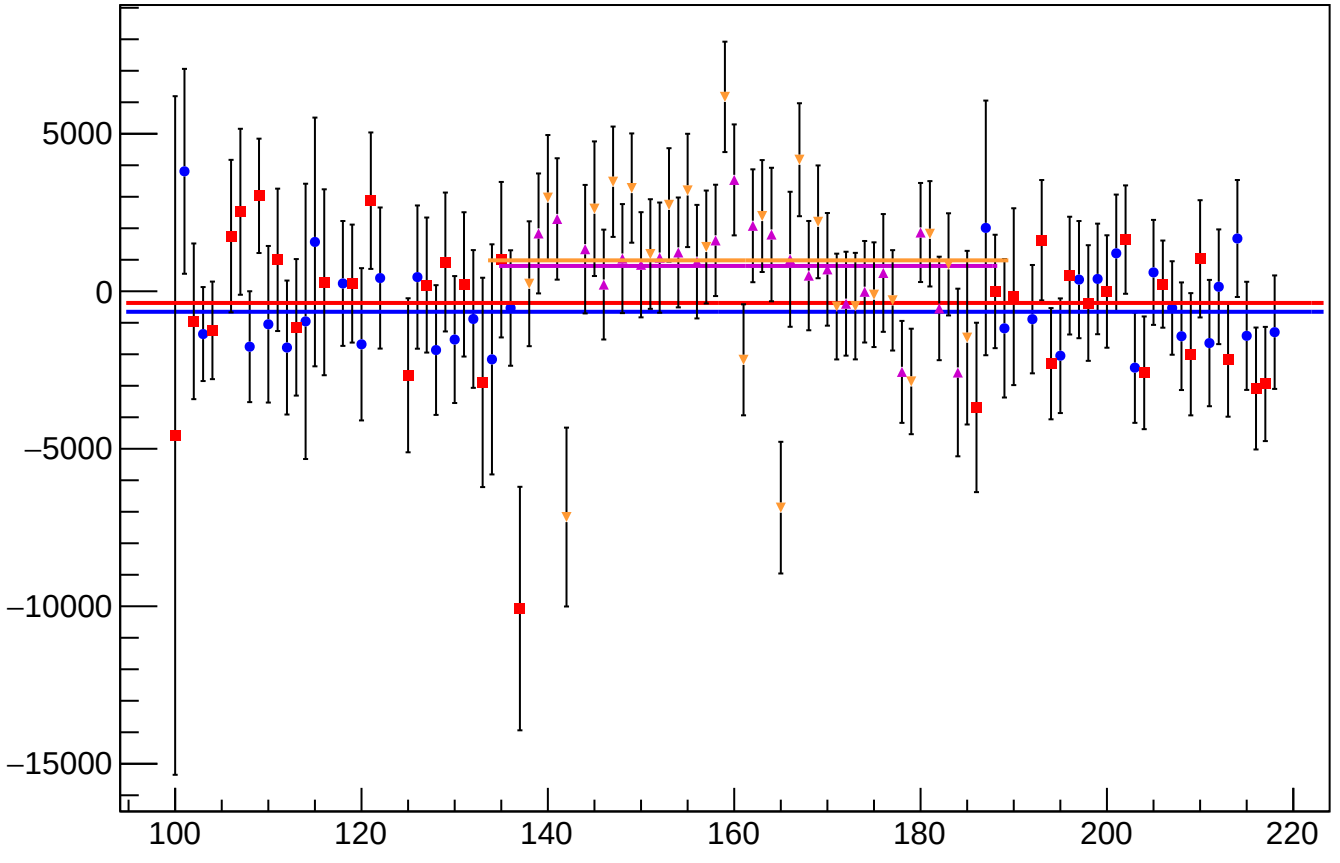
Left In: 0.000+/-0.000 χ^2/NDF:3869719.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 16672372.4/55

All: 0.000+/-0.000 χ^2/NDF: 32662643.4/112

- sign 0.000+/-0.000 χ^2/NDF: 15986474.4/56

reg_asym_us_avg_at2lr_avg_dd_mean vs Slug



Right In: -651.308+/-352.920 χ^2/NDF: 11.6/31

Left Out: 981.627+/-370.843 χ^2/NDF:55.5/23

Right Out: -370.498+/-353.457 χ^2/NDF: 30.9/33

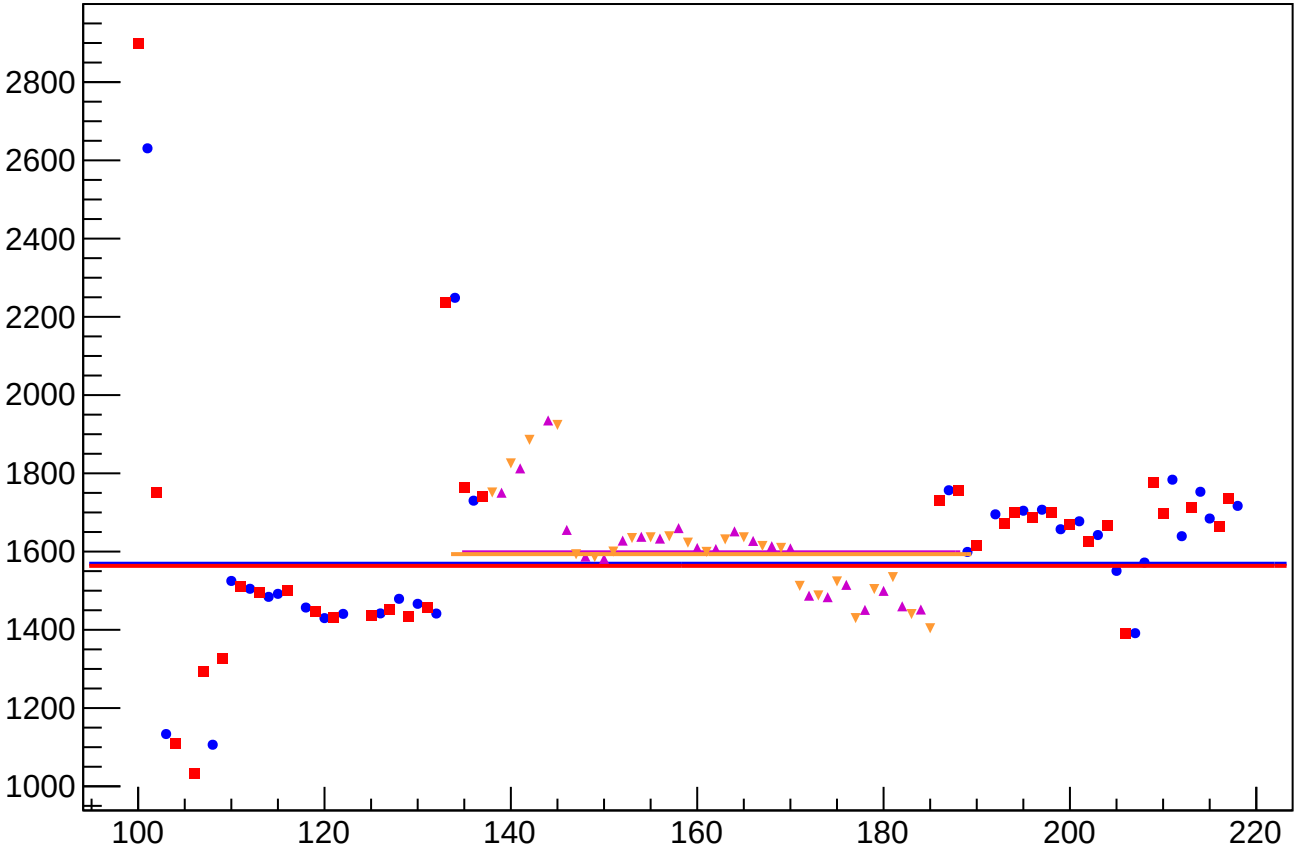
Left In: 803.908+/-374.066 χ^2/NDF:12.4/22

+ sign 124.747+/-255.654 χ^2/NDF: 77.3/55

All: 153.962+/-181.217 χ^2/NDF: 125.9/112

- sign 183.464+/-256.909 χ^2/NDF: 48.6/56

reg_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1568.918+/-0.250 χ^2/NDF: 801775.2/31

Left Out: 1593.482+/-0.262 χ^2/NDF:187613.7/23

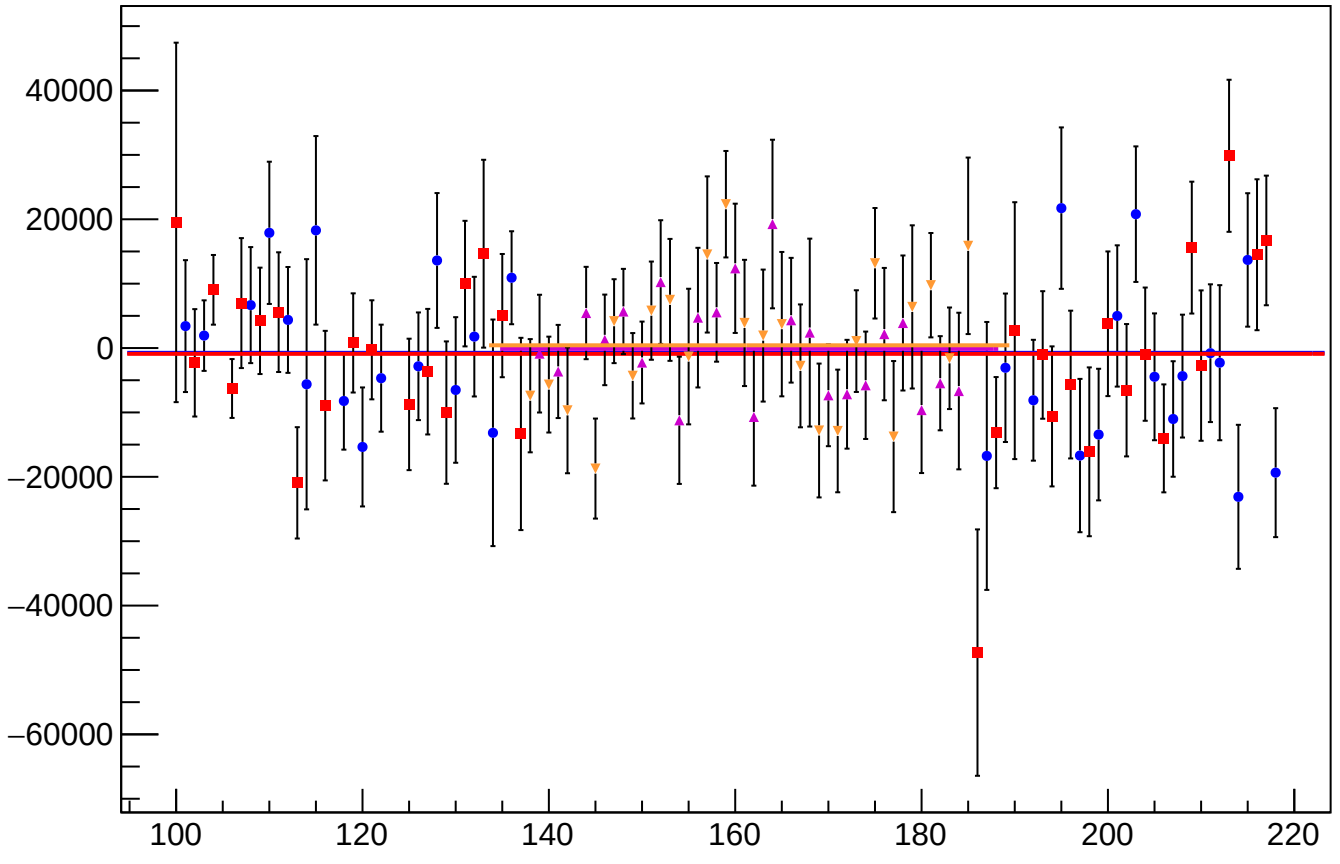
Right Out: 1563.516+/-0.249 χ^2/NDF: 722762.2/33

Left In: 1598.119+/-0.265 χ^2/NDF:169157.7/22

+ sign 1580.592+/-0.181 χ^2/NDF: 993993.7/55

All: 1580.189+/-0.128 χ^2/NDF: 1894991.5/11

- sign 1579.784+/-0.181 χ^2/NDF: 900987.9/56



Right In: -744.444+/-1734.140 χ^2/NDF: 38.4/31

Left Out: 426.701+/-1819.878 χ^2/NDF:29.4/23

Right Out: -898.762+/-1622.201 χ^2/NDF: 44.9/33

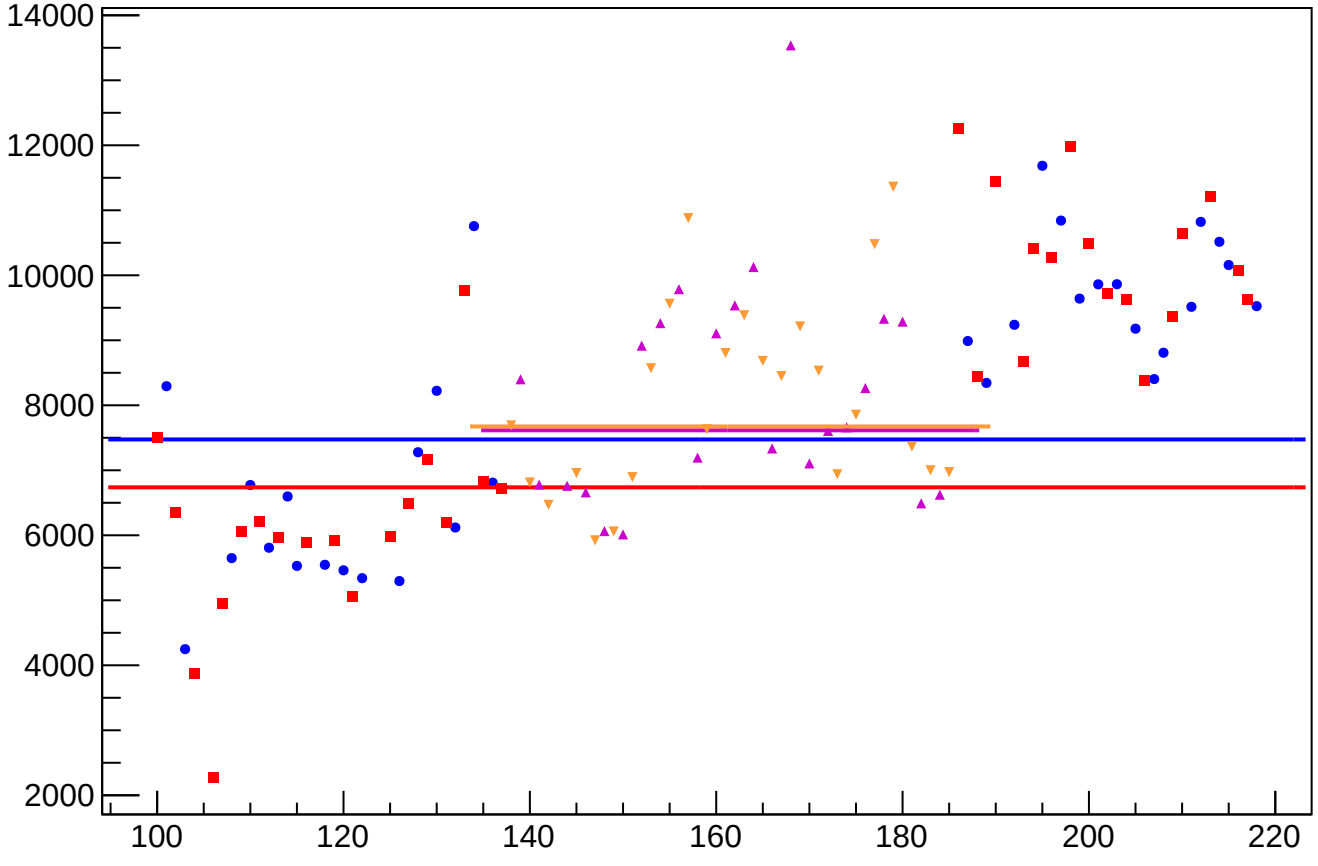
Left In: -126.369+/-1814.830 χ^2/NDF:13.9/22

+ sign -187.108+/-1255.439 χ^2/NDF: 68.0/55

All: -378.287+/-871.018 χ^2/NDF: 126.9/112

- sign -555.719+/-1209.459 χ^2/NDF: 58.8/56

asym_us_avg_at2lr_avg_dd_reg_correction_rms vs Slug



Right In: 7474.460+/-1.226 χ^2/NDF: 3028347.8/31

Left Out: 7674.060+/-1.287 χ^2/NDF:1076713.7/23

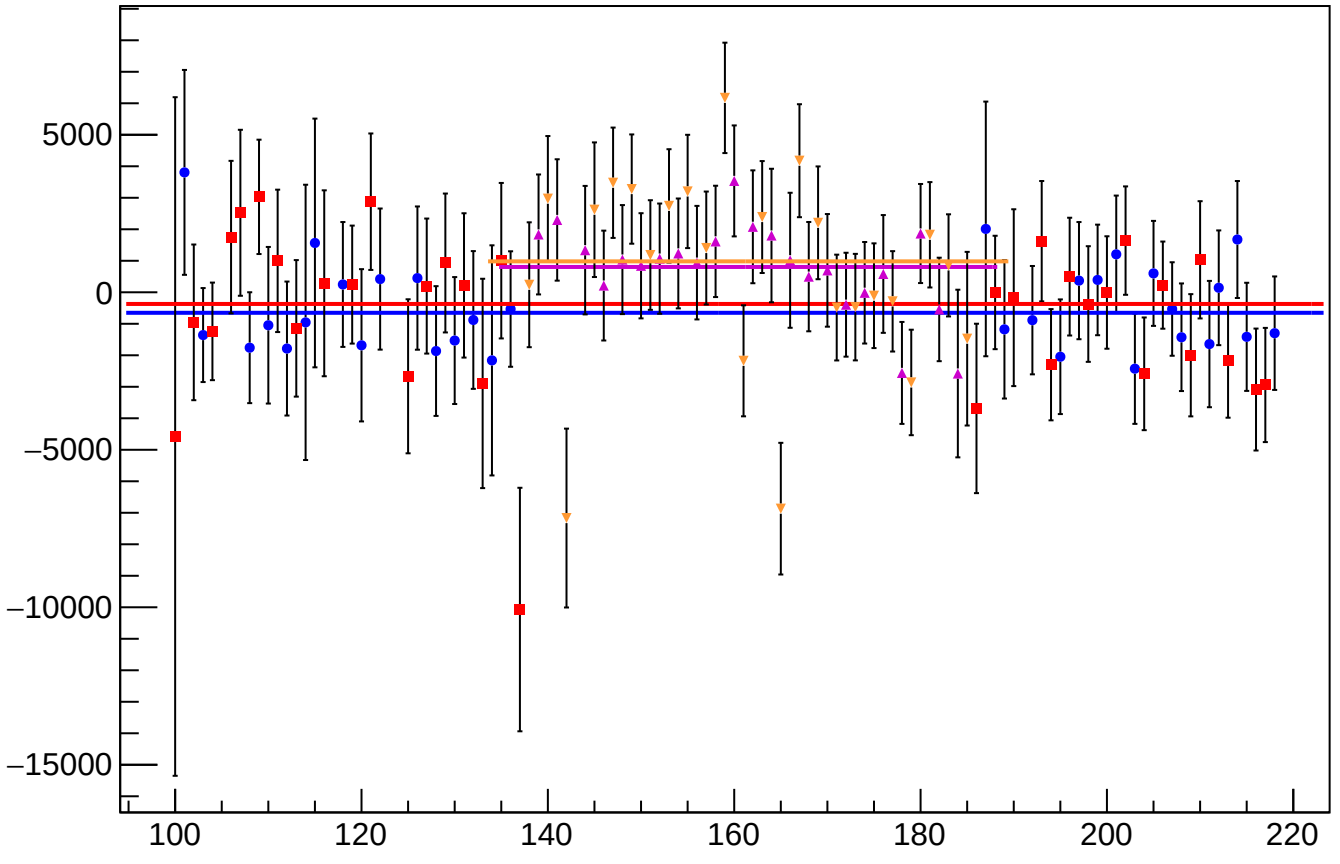
Right Out: 6737.954+/-1.147 χ^2/NDF: 5572796.1/33

Left In: 7614.974+/-1.283 χ^2/NDF:1224520.2/22

+ sign 7569.448+/-0.888 χ^2/NDF: 4117670.7/55

All: 7340.215+/-0.616 χ^2/NDF: 11303178.6/1

- sign 7127.465+/-0.855 χ^2/NDF: 7056943.2/56



Right In: -651.353+/-352.920 χ^2/NDF: 11.6/31

Left Out: 981.712+/-370.843 χ^2/NDF:55.6/23

Right Out: -370.538+/-353.457 χ^2/NDF: 30.9/33

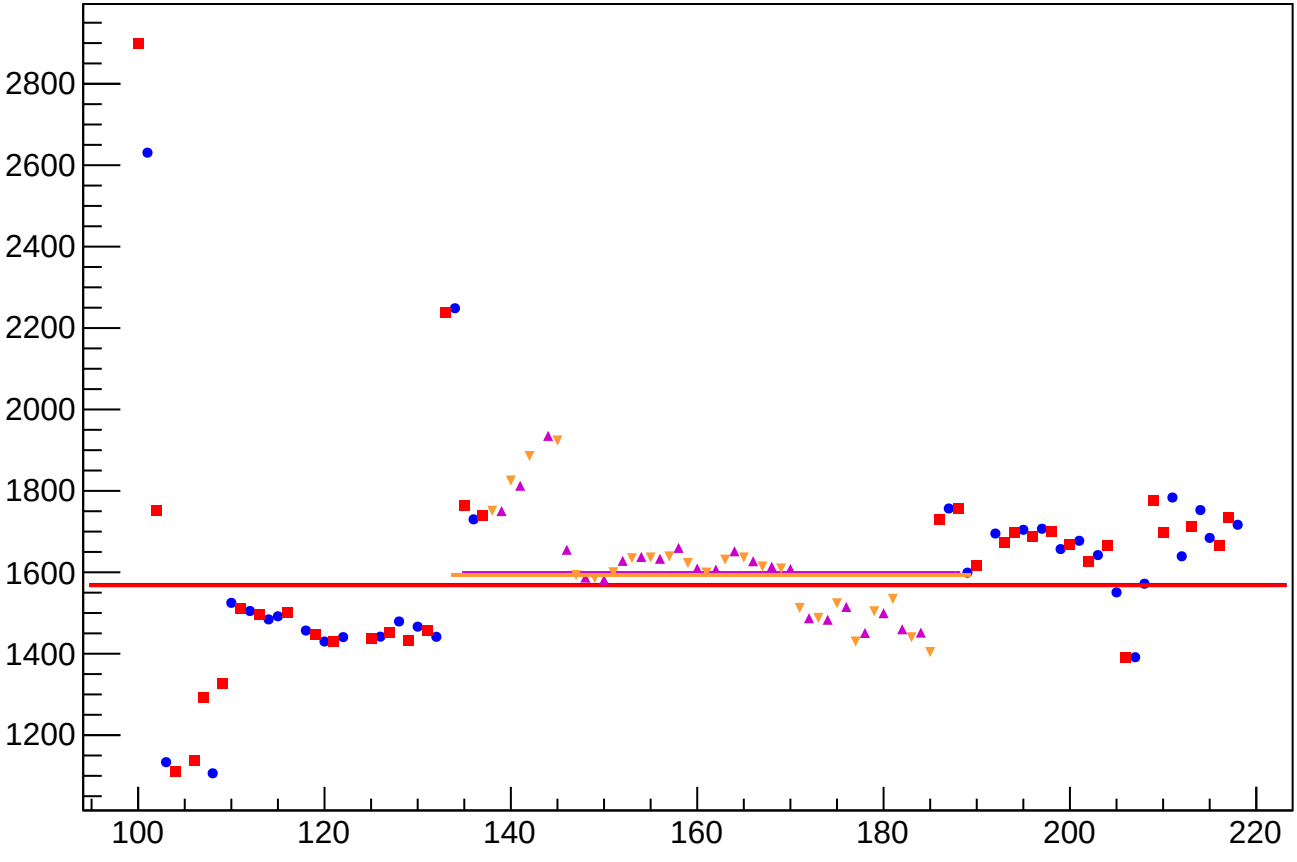
Left In: 803.783+/-374.066 χ^2/NDF:12.4/22

+ sign 124.764+/-255.654 χ^2/NDF: 77.3/55

All: 153.930+/-181.217 χ^2/NDF: 125.9/112

- sign 183.384+/-256.909 χ^2/NDF: 48.6/56

cor_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1568.918+/-0.250 χ^2/NDF: 801775.6/31

Left Out: 1593.482+/-0.262 χ^2/NDF:187613.7/23

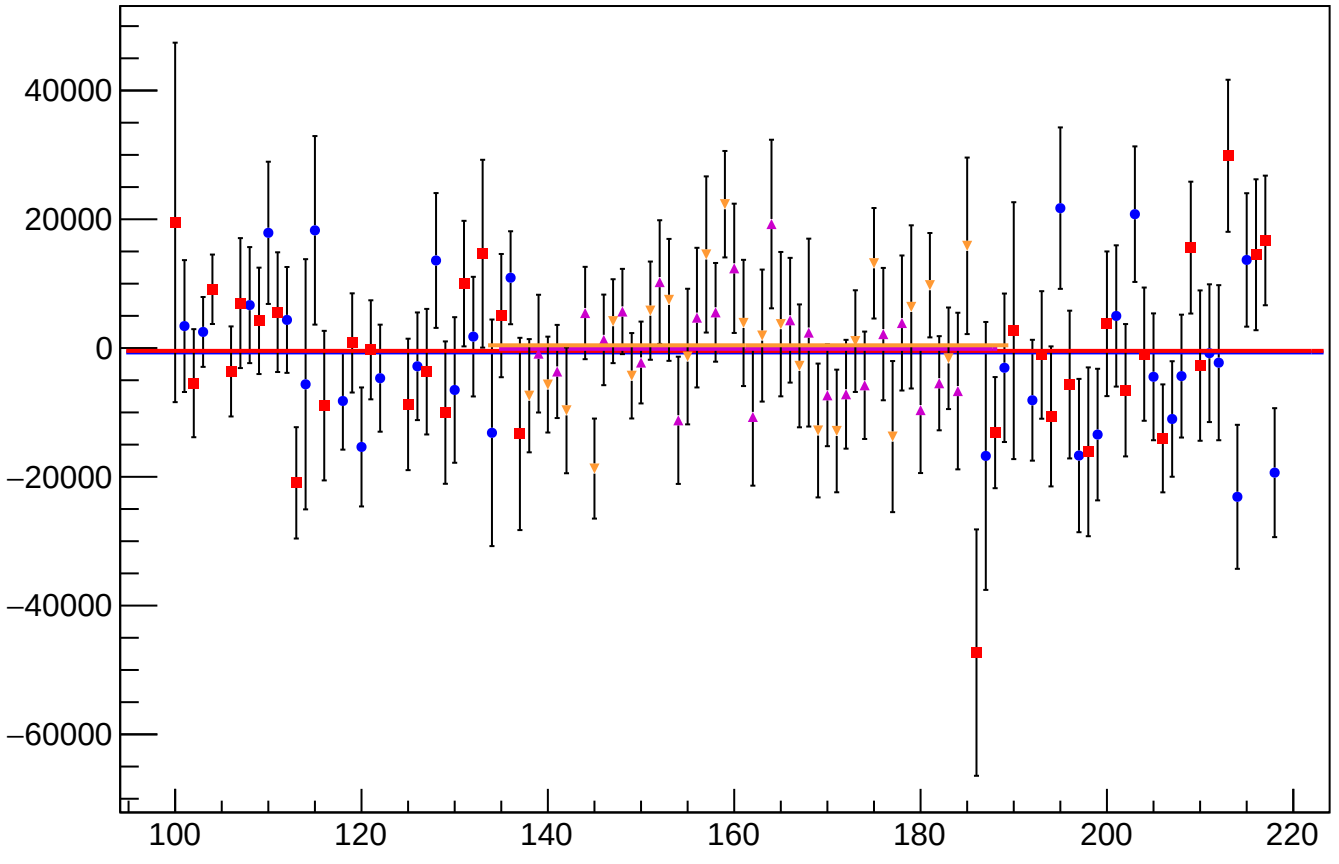
Right Out: 1568.194+/-0.250 χ^2/NDF: 666207.7/33

Left In: 1598.119+/-0.265 χ^2/NDF:169157.7/22

+ sign 1580.592+/-0.181 χ^2/NDF: 993994.1/55

All: 1581.440+/-0.128 χ^2/NDF: 1836171.6/11

- sign 1582.295+/-0.182 χ^2/NDF: 842133.4/56



Right In: -680.867+/-1732.454 χ^2/NDF: 38.5/31

Left Out: 426.702+/-1819.879 χ^2/NDF:29.4/23

Right Out: -438.421+/-1683.927 χ^2/NDF: 43.9/33

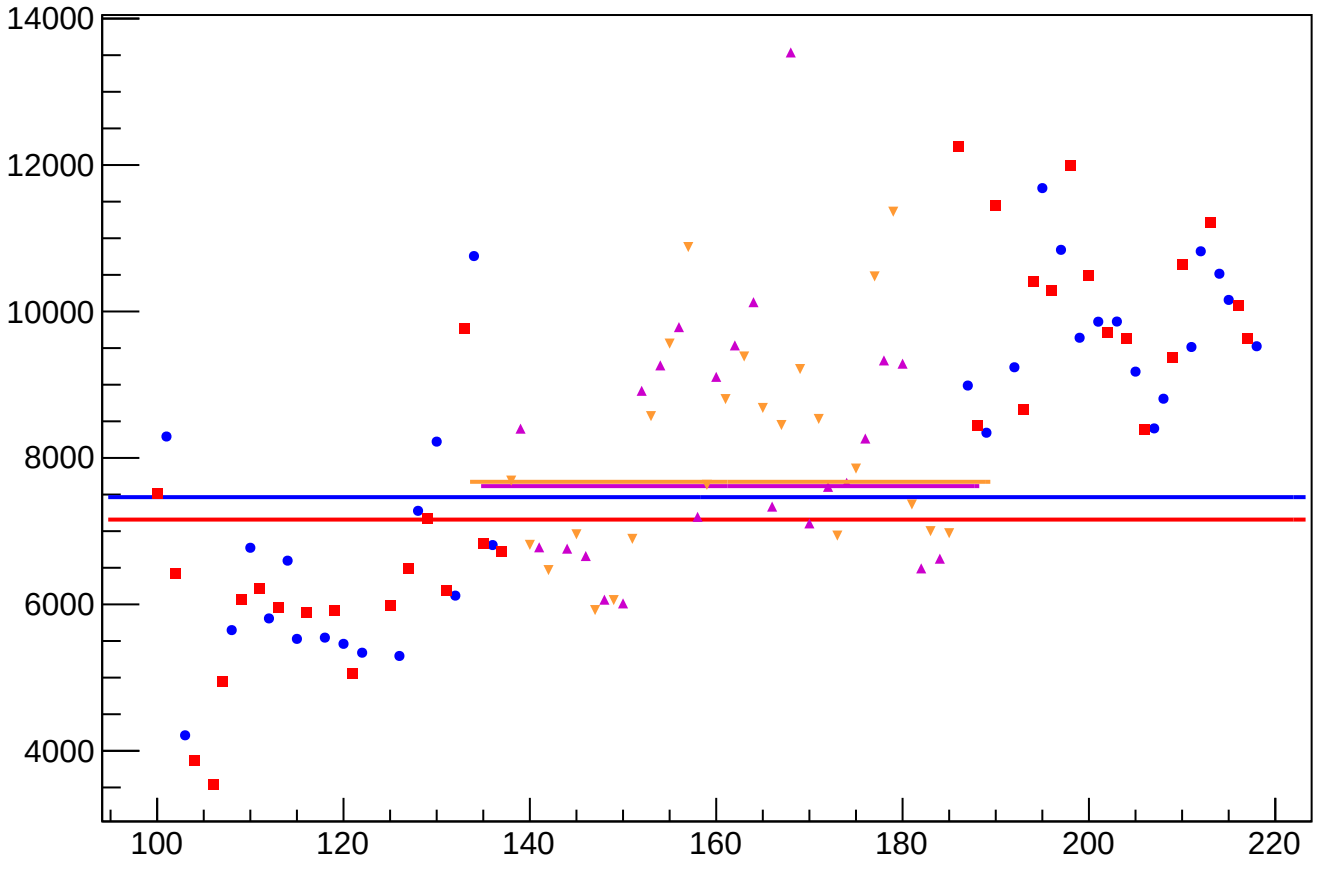
Left In: -126.376+/-1814.828 χ^2/NDF:13.9/22

+ sign -154.324+/-1254.799 χ^2/NDF: 68.1/55

All: -225.335+/-879.976 χ^2/NDF: 125.9/112

- sign -294.057+/-1234.401 χ^2/NDF: 57.8/56

asym_us_avg_at2lr_avg_dd_cor_correction_rms vs Slug



Right In: 7464.539+/-1.225 χ^2/NDF: 3057461.8/31

Left Out: 7674.063+/-1.287 χ^2/NDF:1076712.6/23

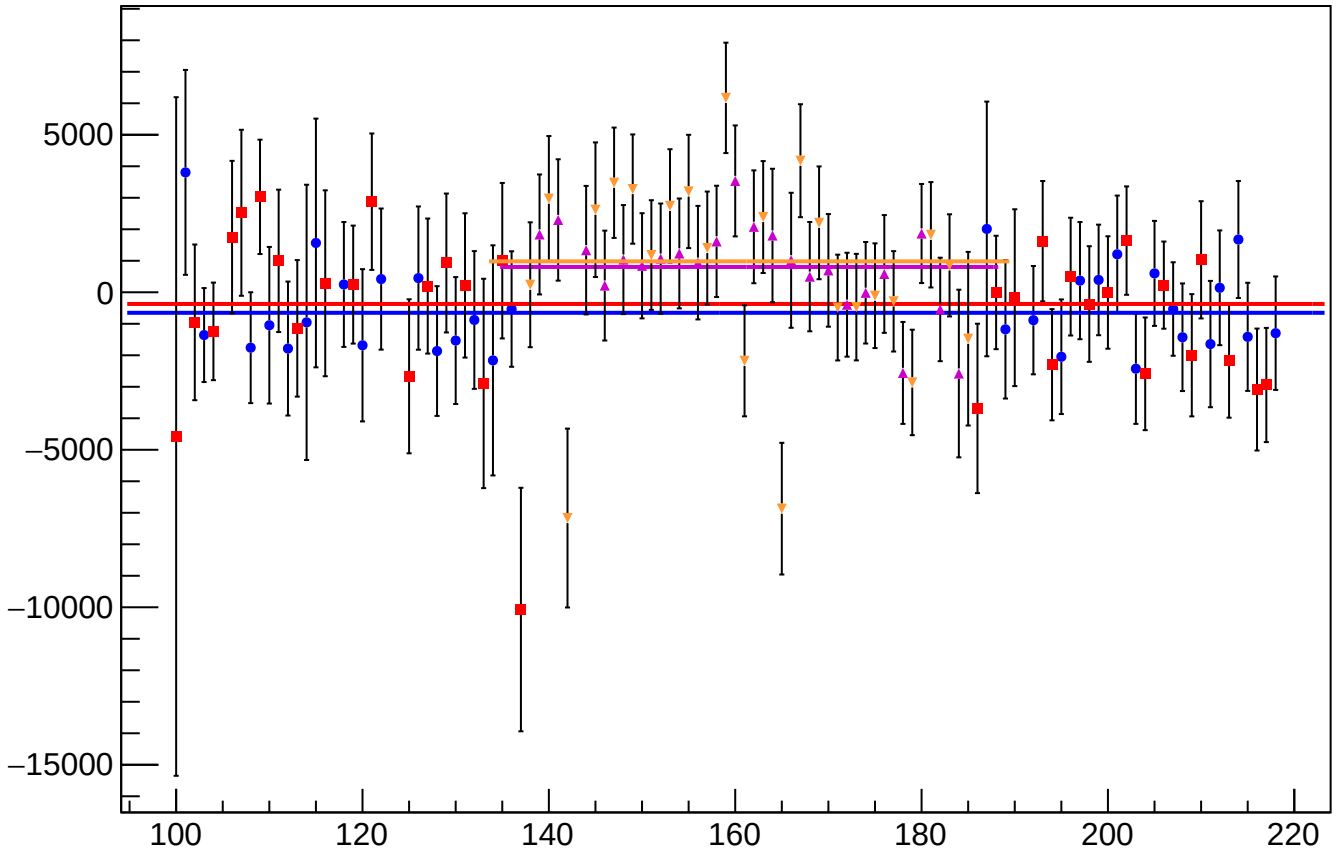
Right Out: 7158.086+/-1.191 χ^2/NDF: 3964934.3/33

Left In: 7614.964+/-1.283 χ^2/NDF:1224525.6/22

\+ sign 7564.147+/-0.887 χ^2/NDF: 4148081.4/55

All: 7465.206+/-0.622 χ^2/NDF: 9430122.4/11

\- sign 7369.455+/-0.873 χ^2/NDF: 5257572.5/56



Right In: -651.353+/-352.920 χ^2/NDF: 11.6/31

Left Out: 981.712+/-370.843 χ^2/NDF:55.6/23

Right Out: -370.538+/-353.457 χ^2/NDF: 30.9/33

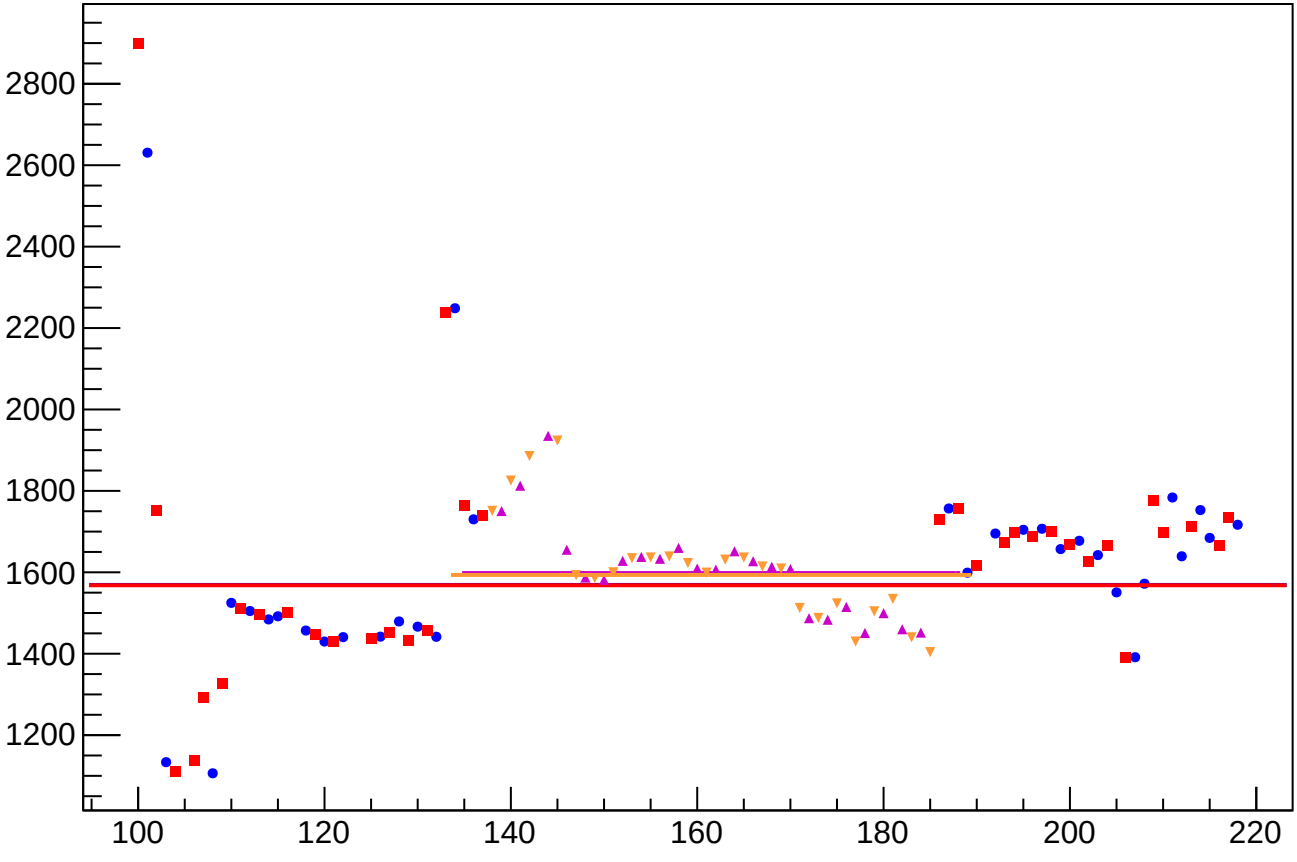
Left In: 803.783+/-374.066 χ^2/NDF:12.4/22

+ sign 124.764+/-255.654 χ^2/NDF: 77.3/55

All: 153.930+/-181.217 χ^2/NDF: 125.9/112

- sign 183.384+/-256.909 χ^2/NDF: 48.6/56

eigen_cor_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1568.918+/-0.250 χ^2/NDF: 801775.6/31

Left Out: 1593.482+/-0.262 χ^2/NDF:187613.7/23

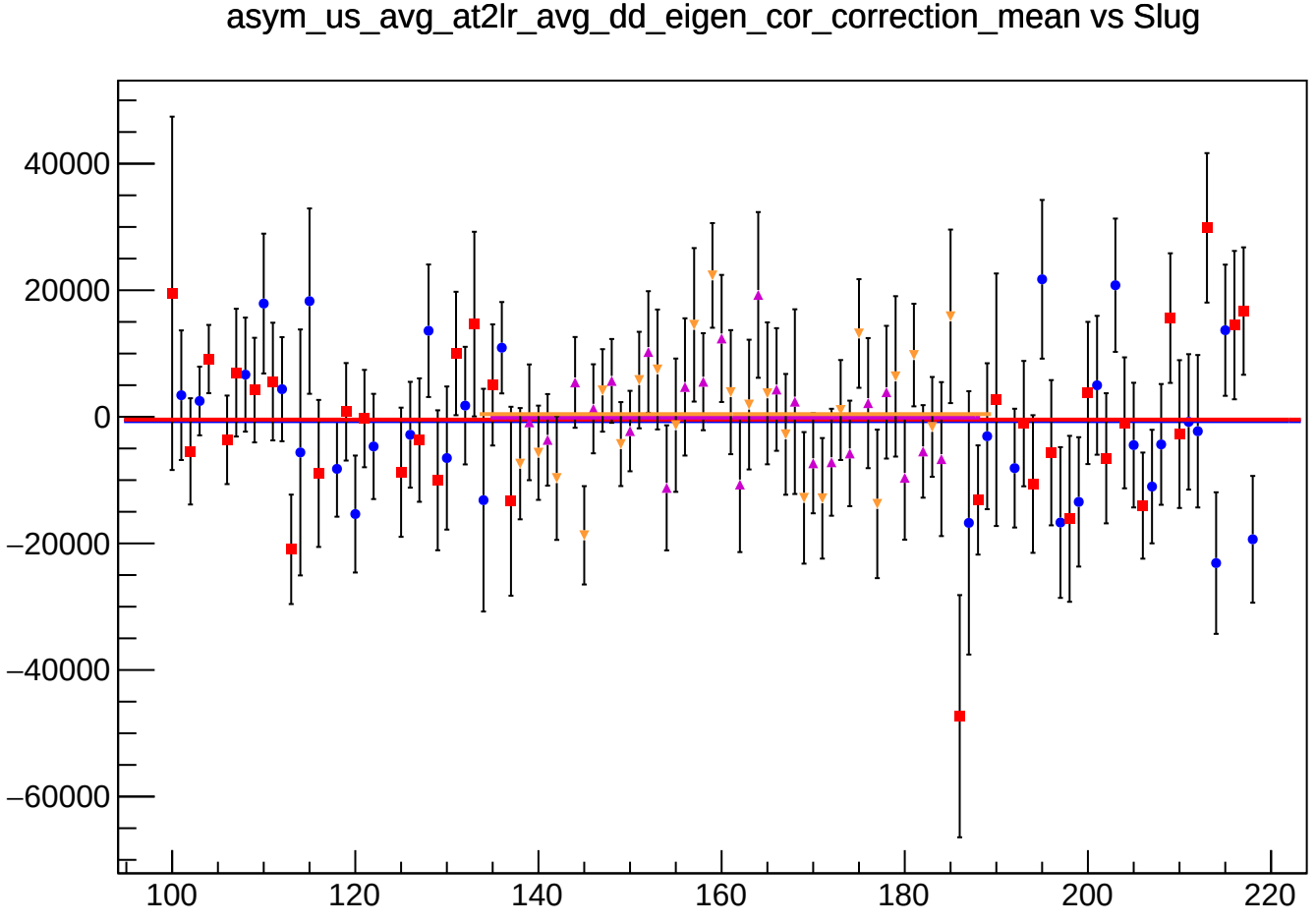
Right Out: 1568.194+/-0.250 χ^2/NDF: 666207.7/33

Left In: 1598.119+/-0.265 χ^2/NDF:169157.7/22

+ sign 1580.592+/-0.181 χ^2/NDF: 993994.1/55

All: 1581.440+/-0.128 χ^2/NDF: 1836171.6/11

- sign 1582.295+/-0.182 χ^2/NDF: 842133.4/56



Right In: -680.867+/-1732.454 χ^2/NDF: 38.5/31

Left Out: 426.702+/-1819.879 χ^2/NDF:29.4/23

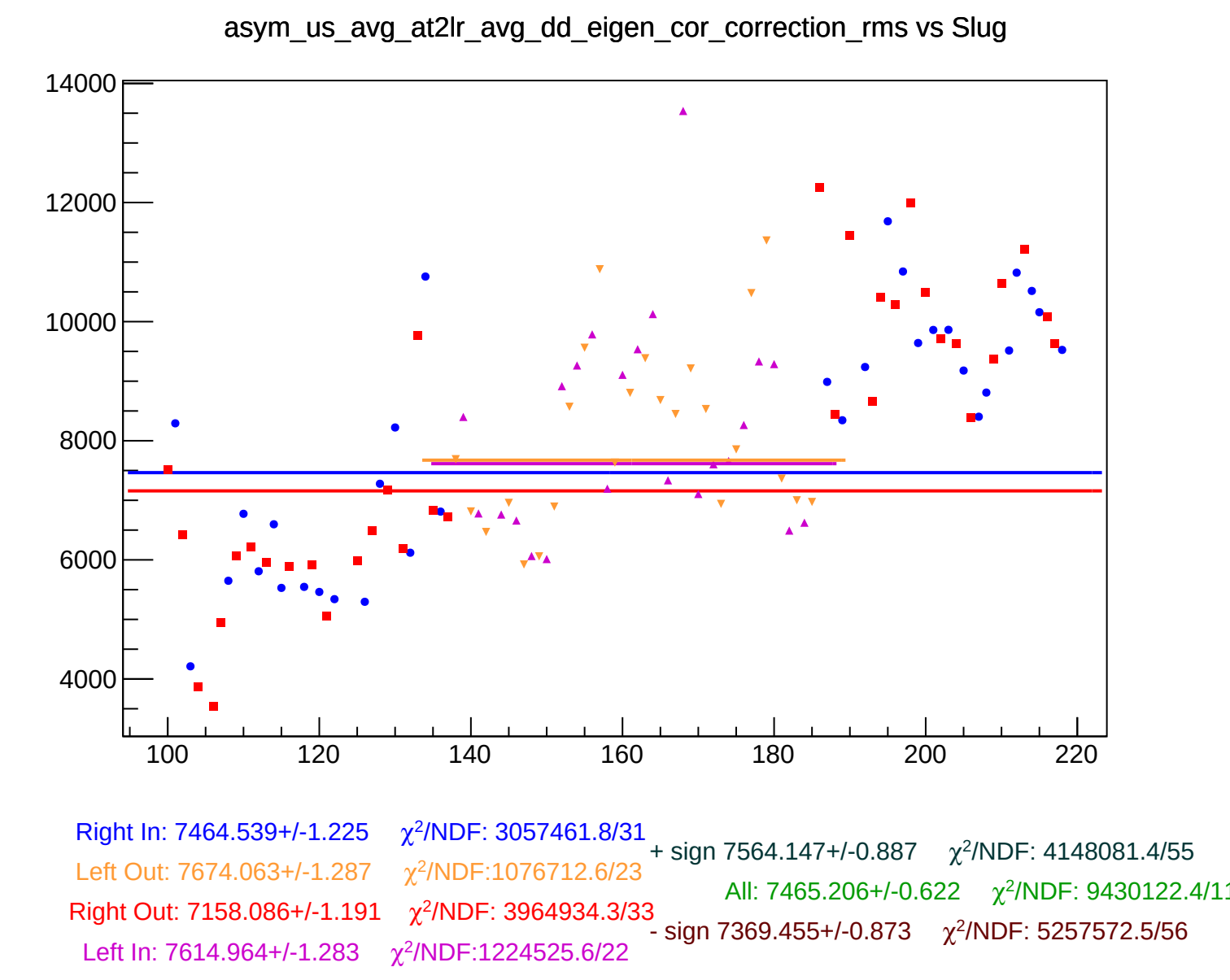
Right Out: -438.421+/-1683.927 χ^2/NDF: 43.9/33

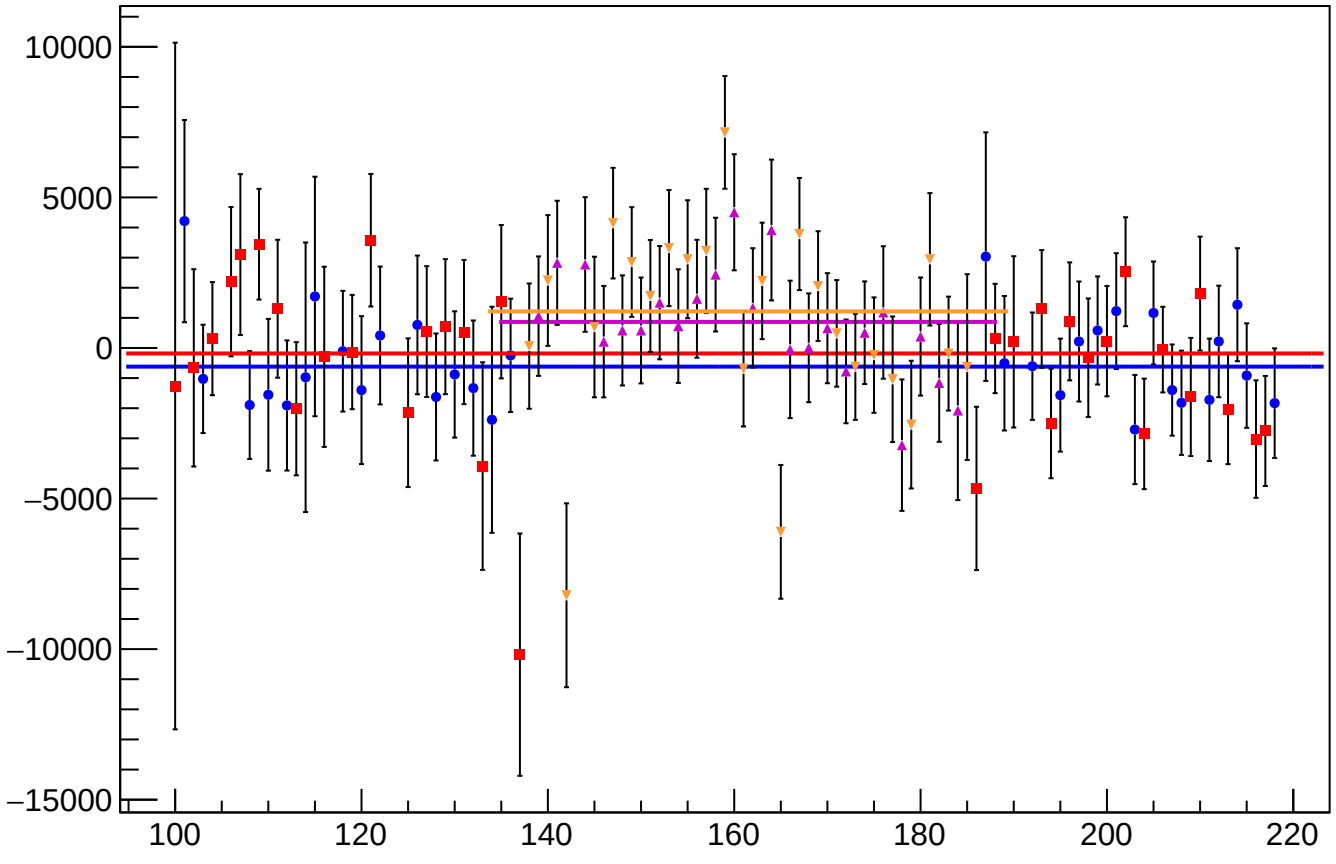
Left In: -126.376+/-1814.828 χ^2/NDF:13.9/22

+ sign -154.324+/-1254.799 χ^2/NDF: 68.1/55

All: -225.335+/-879.976 χ^2/NDF: 125.9/112

- sign -294.057+/-1234.401 χ^2/NDF: 57.8/56


asym_us_avg_at2lr_avg_dd_eigen_cor_correction_rms vs Slug
14000
12000
10000
8000
6000
4000
100
120
140
160
180
200
220
Right In: 7464.539+/-1.225 χ²/NDF: 3057461.8/31
Left Out: 7674.063+/-1.287 χ²/NDF:1076712.6/23
Right Out: 7158.086+/-1.191 χ²/NDF: 3964934.3/33
Left In: 7614.964+/-1.283 χ²/NDF:1224525.6/22
+ sign 7564.147+/-0.887 χ²/NDF: 4148081.4/55
All: 7465.206+/-0.622 χ²/NDF: 9430122.4/11
- sign 7369.455+/-0.873 χ²/NDF: 5257572.5/56



Right In: -618.838+/-363.924 χ^2/NDF: 12.7/31

Left Out: 1215.353+/-409.584 χ^2/NDF:48.5/23

Right Out: -181.813+/-365.971 χ^2/NDF: 35.8/33

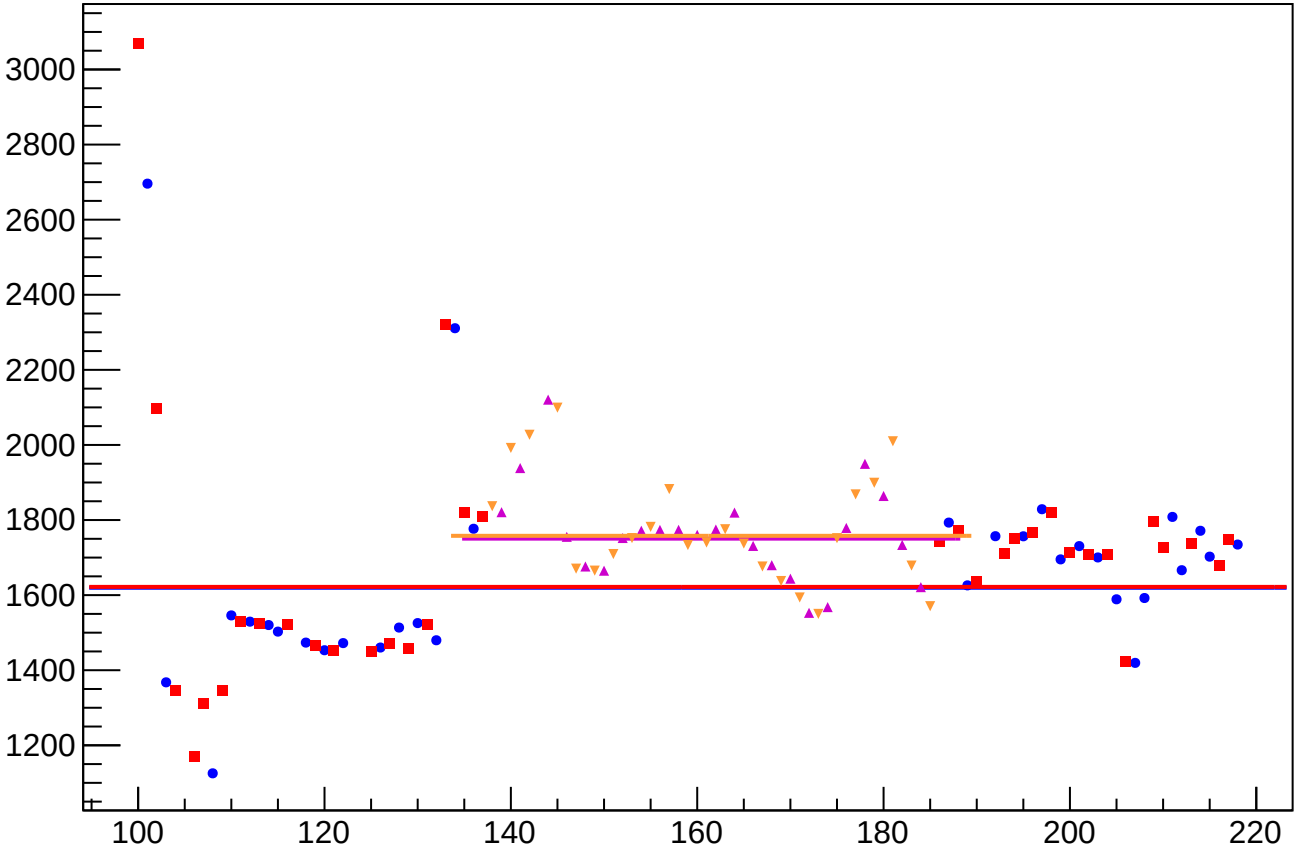
Left In: 866.022+/-410.038 χ^2/NDF:15.1/22

\+ sign 190.361+/-272.050 χ^2/NDF: 72.4/55

All: 236.409+/-192.716 χ^2/NDF: 127.0/112

\- sign 282.792+/-273.036 χ^2/NDF: 54.6/56

dit_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1619.683+/-0.257 χ^2/NDF: 683823.9/31

Left Out: 1757.965+/-0.290 χ^2/NDF:213284.1/23

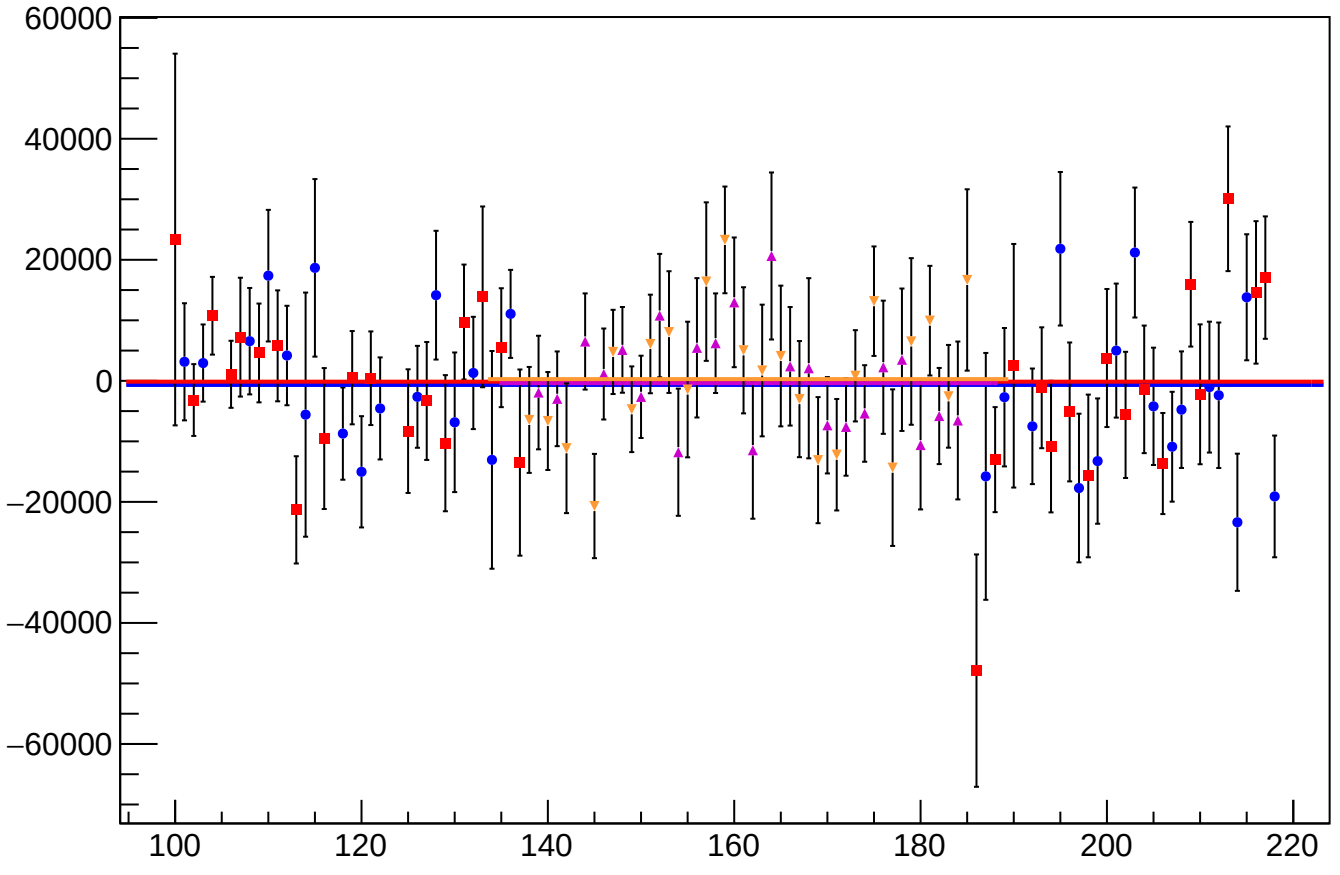
Right Out: 1621.939+/-0.259 χ^2/NDF: 581002.3/33

Left In: 1750.477+/-0.290 χ^2/NDF:171889.4/22

+ sign 1680.690+/-0.192 χ^2/NDF: 1024501.5/55

All: 1679.810+/-0.136 χ^2/NDF: 1886839.8/11

- sign 1678.925+/-0.193 χ^2/NDF: 862296.3/56



Right In: -677.612+/-1762.956 χ^2/NDF: 38.2/31

Left Out: 284.925+/-1920.134 χ^2/NDF:28.7/23

Right Out: -135.721+/-1651.448 χ^2/NDF: 43.4/33

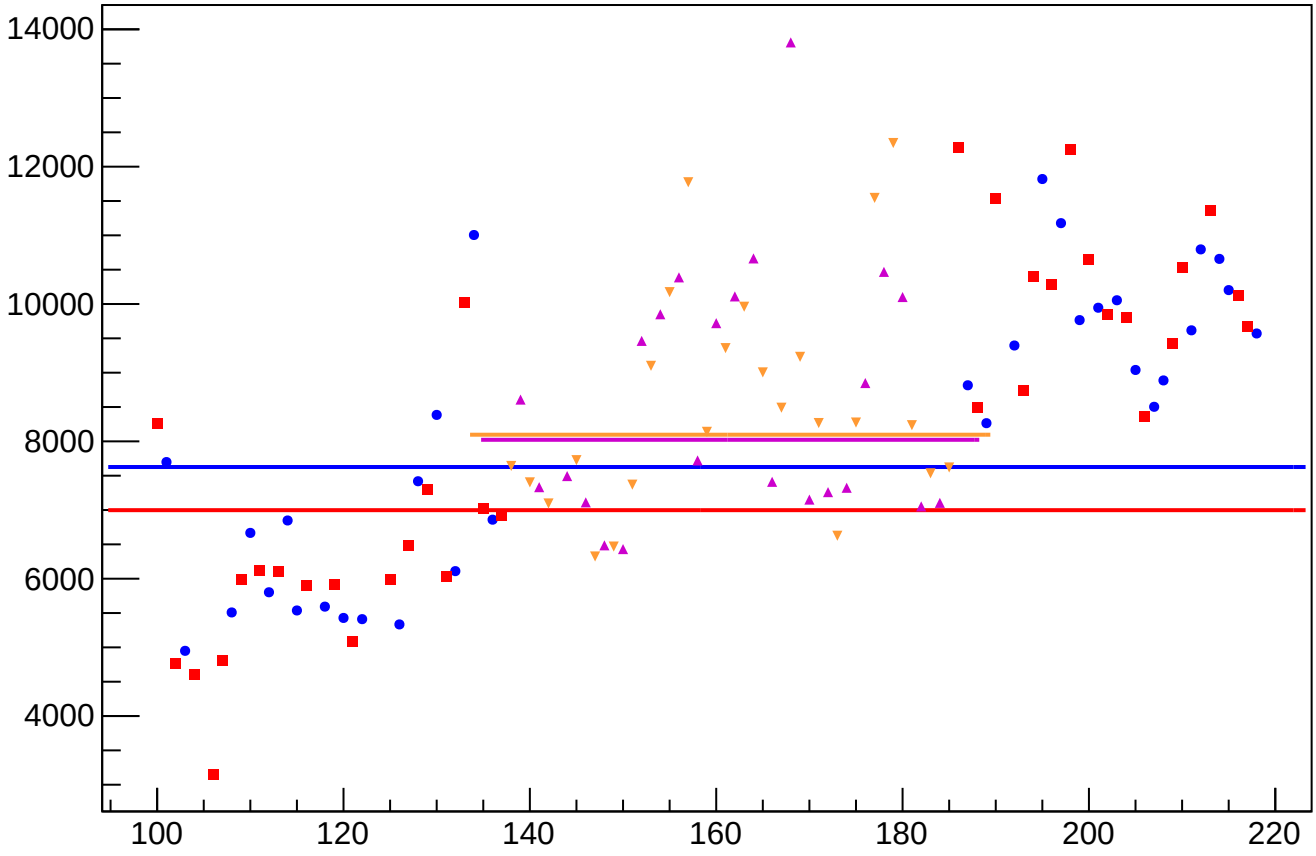
Left In: -382.660+/-1912.385 χ^2/NDF:13.6/22

+ sign -237.346+/-1298.615 χ^2/NDF: 67.0/55

All: -239.350+/-900.544 χ^2/NDF: 123.9/112

- sign -241.207+/-1249.905 χ^2/NDF: 57.0/56

asym_us_avg_at2lr_avg_dd_dit_correction_rms vs Slug



Right In: 7626.387+/-1.247 χ^2/NDF: 2710427.6/31

Left Out: 8096.821+/-1.358 χ^2/NDF:1087790.8/23

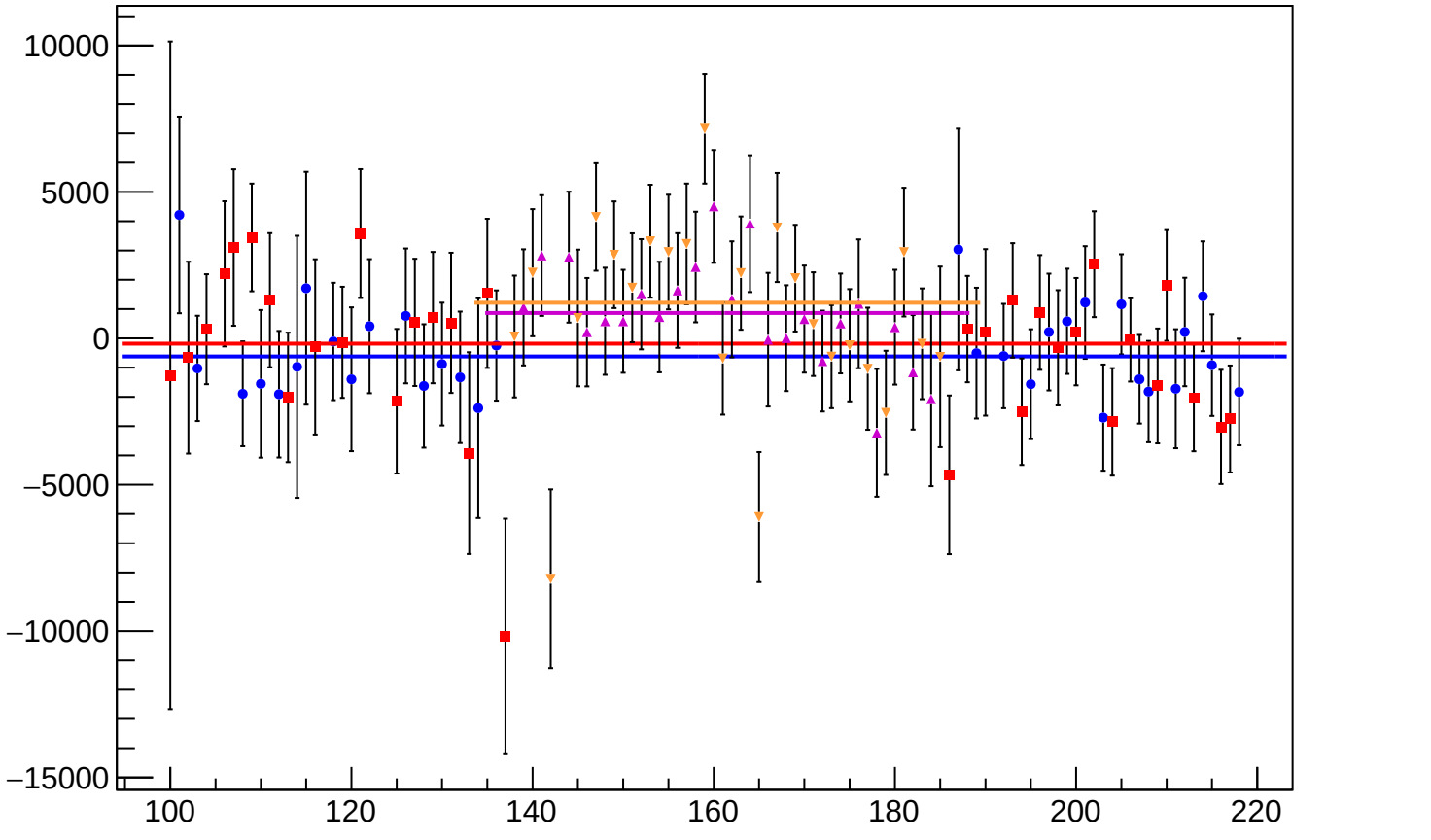
Right Out: 6997.935+/-1.168 χ^2/NDF: 4438528.3/33

Left In: 8022.726+/-1.352 χ^2/NDF:1225549.2/22

+ sign 7841.565+/-0.918 χ^2/NDF: 3863357.5/55

All: 7630.876+/-0.637 χ^2/NDF: 9957830.9/11

- sign 7435.698+/-0.884 χ^2/NDF: 5993060.7/56



Right In: -618.833+/-363.924 χ^2/NDF: 12.7/31

Left Out: 1215.361+/-409.585 χ^2/NDF:48.5/23

Right Out: -181.811+/-365.971 χ^2/NDF: 35.8/33

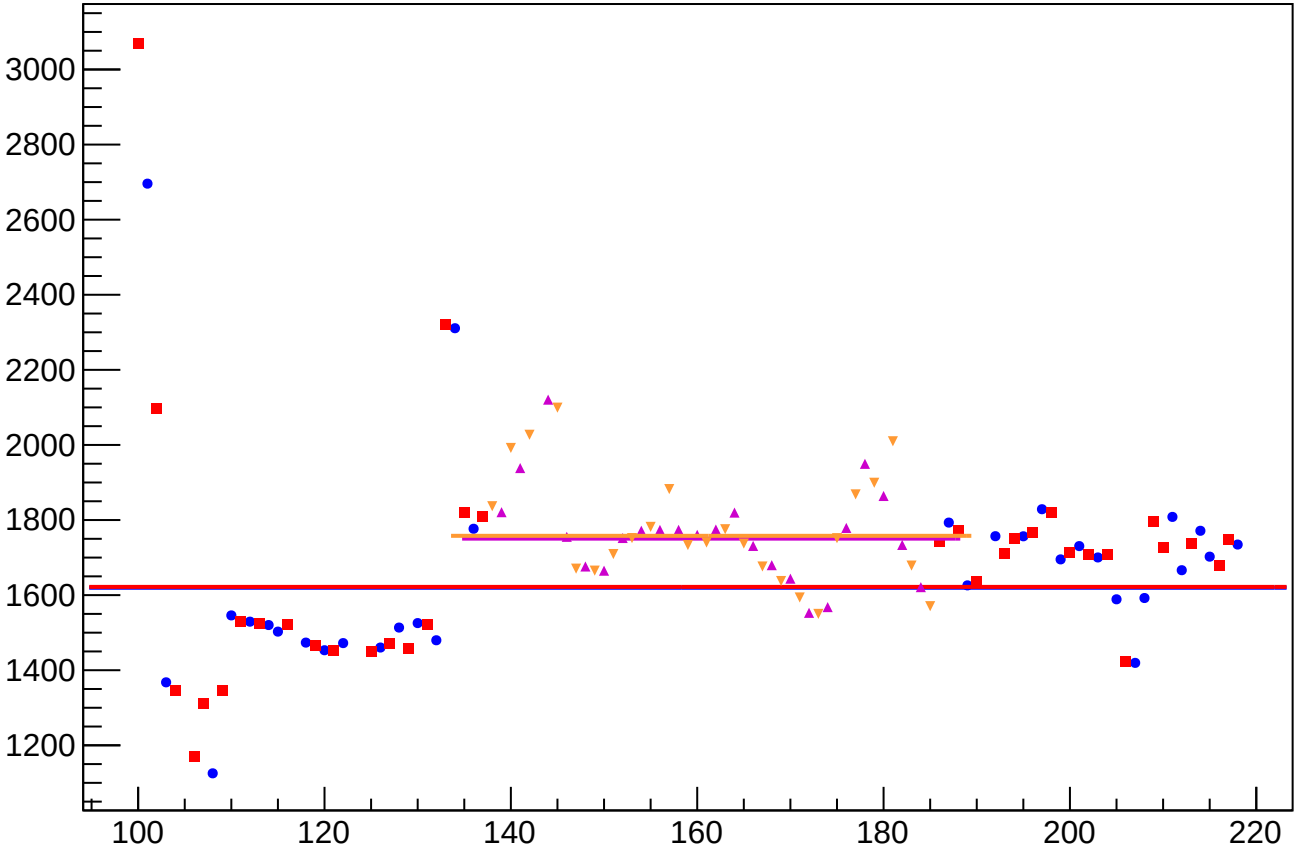
Left In: 866.021+/-410.039 χ^2/NDF:15.1/22

+ sign 190.365+/-272.050 χ^2/NDF: 72.4/55

All: 236.411+/-192.716 χ^2/NDF: 127.0/112

- sign 282.792+/-273.036 χ^2/NDF: 54.6/56

eigen_dit_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1619.684+/-0.257 χ^2/NDF: 683824.0/31

Left Out: 1757.968+/-0.290 χ^2/NDF:213292.2/23

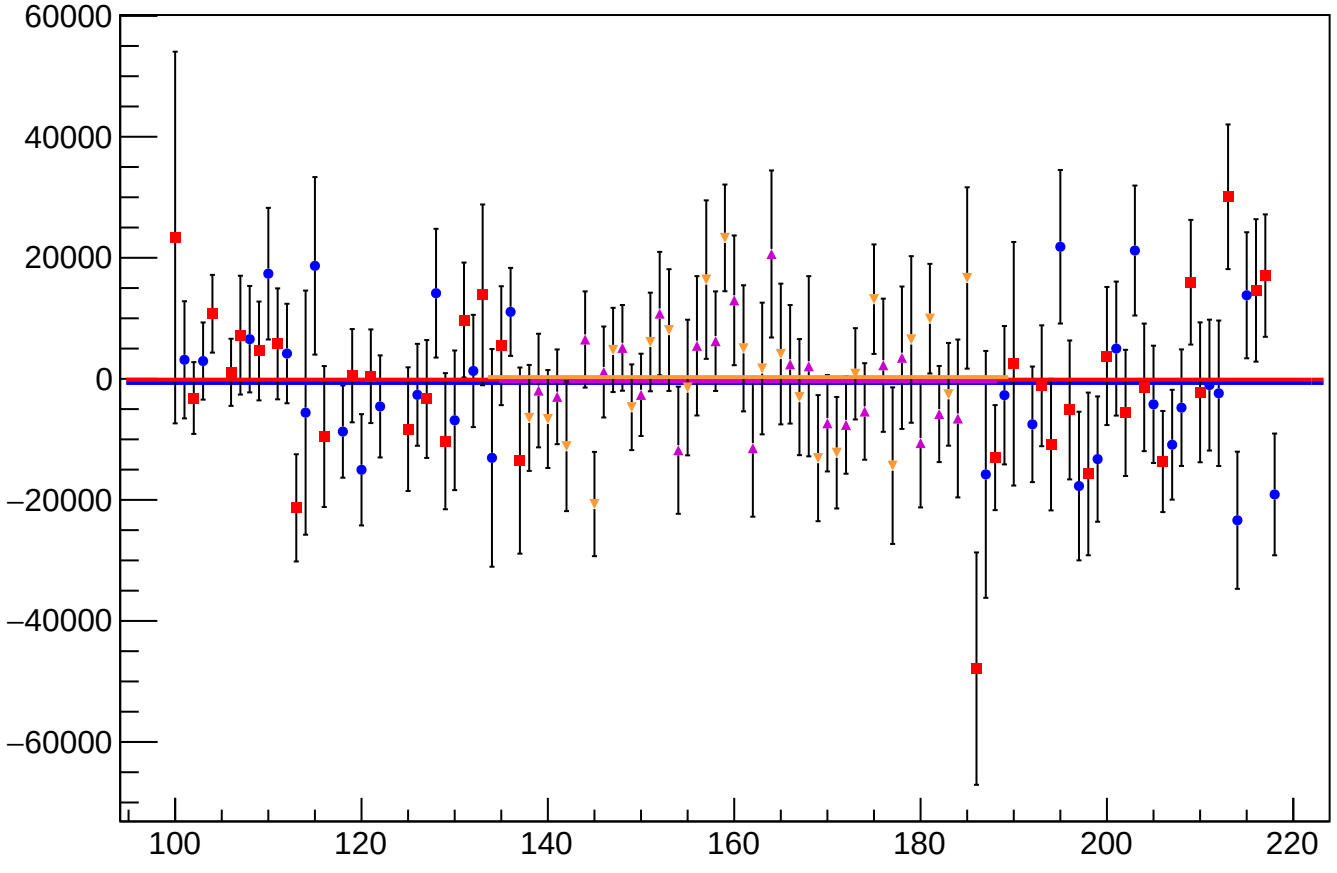
Right Out: 1621.939+/-0.259 χ^2/NDF: 581003.3/33

Left In: 1750.480+/-0.290 χ^2/NDF:171897.3/22

+ sign 1680.691+/-0.192 χ^2/NDF: 1024514.4/55

All: 1679.812+/-0.136 χ^2/NDF: 1886866.1/11

- sign 1678.926+/-0.193 χ^2/NDF: 862309.7/56



Right In: -677.617+/-1762.955 χ^2/NDF: 38.2/31

Left Out: 284.927+/-1920.138 χ^2/NDF:28.7/23

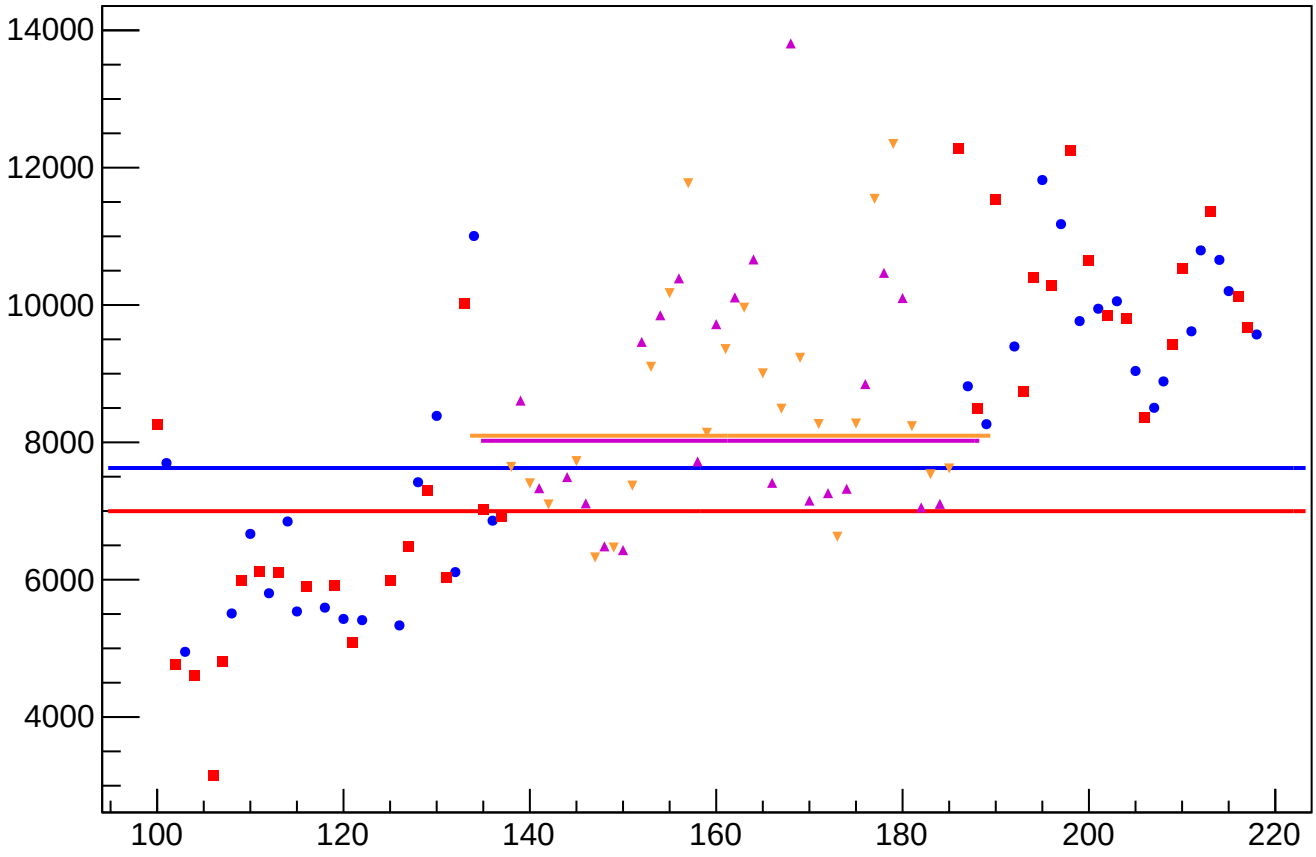
Right Out: -135.714+/-1651.447 χ^2/NDF: 43.4/33

Left In: -382.663+/-1912.388 χ^2/NDF:13.6/22

+ sign -237.349+/-1298.616 χ^2/NDF: 67.0/55

All: -239.350+/-900.545 χ^2/NDF: 123.9/112

- sign -241.204+/-1249.905 χ^2/NDF: 57.0/56



Right In: 7626.380+/-1.247 χ^2/NDF: 2710464.0/31

Left Out: 8096.833+/-1.358 χ^2/NDF:1087793.4/23

Right Out: 6997.926+/-1.168 χ^2/NDF: 4438562.8/33

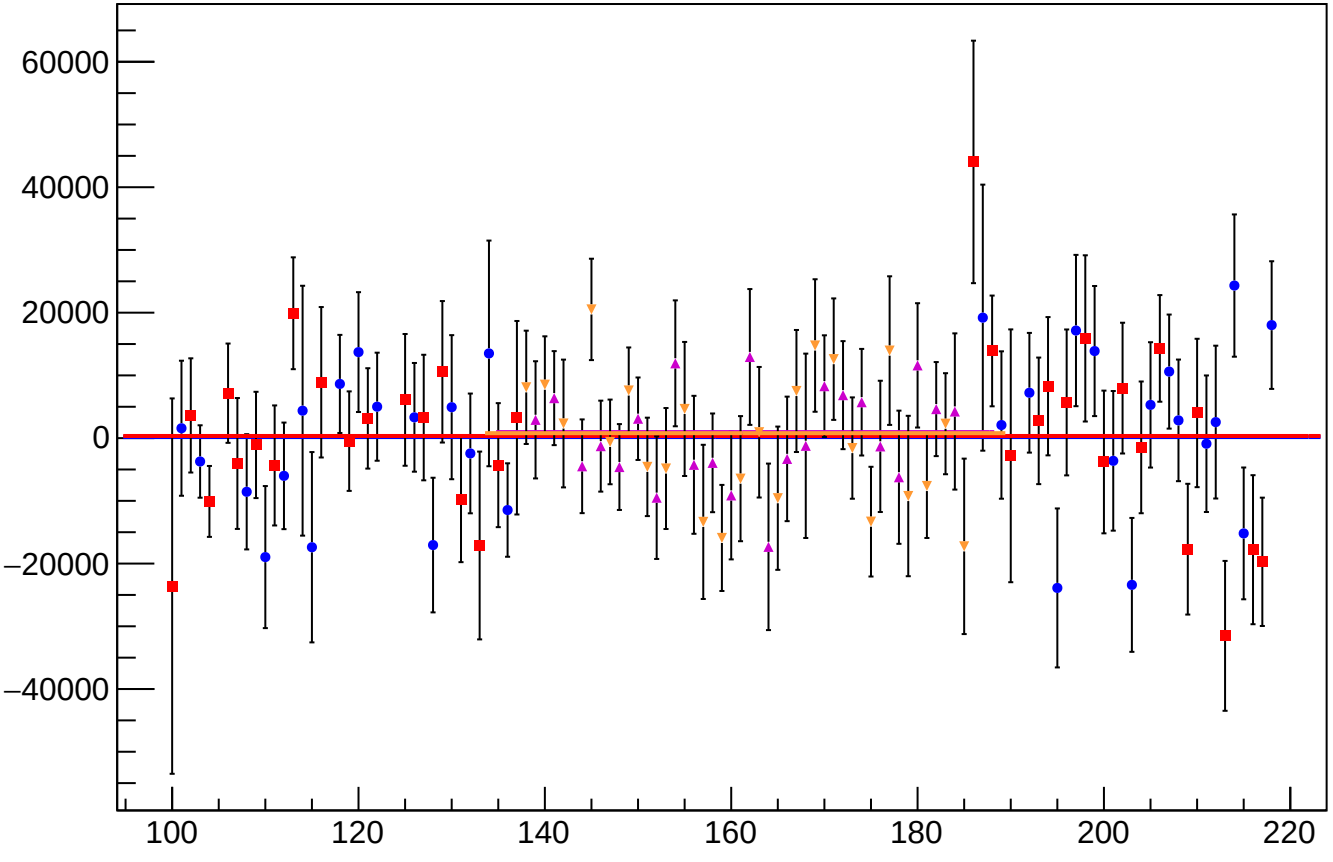
Left In: 8022.738+/-1.352 χ^2/NDF:1225553.6/22

+ sign 7841.566+/-0.918 χ^2/NDF: 3863401.8/55

All: 7630.876+/-0.637 χ^2/NDF: 9957928.3/11

- sign 7435.696+/-0.884 χ^2/NDF: 5993112.5/56

asym_us_avg_at2lr_avg_dd_mean vs Slug



Right In: 168.143+/-1780.183 χ^2/NDF: 40.7/31

Left Out: 791.264+/-1865.111 χ^2/NDF:27.2/23

Right Out: 342.025+/-1740.143 χ^2/NDF: 44.1/33

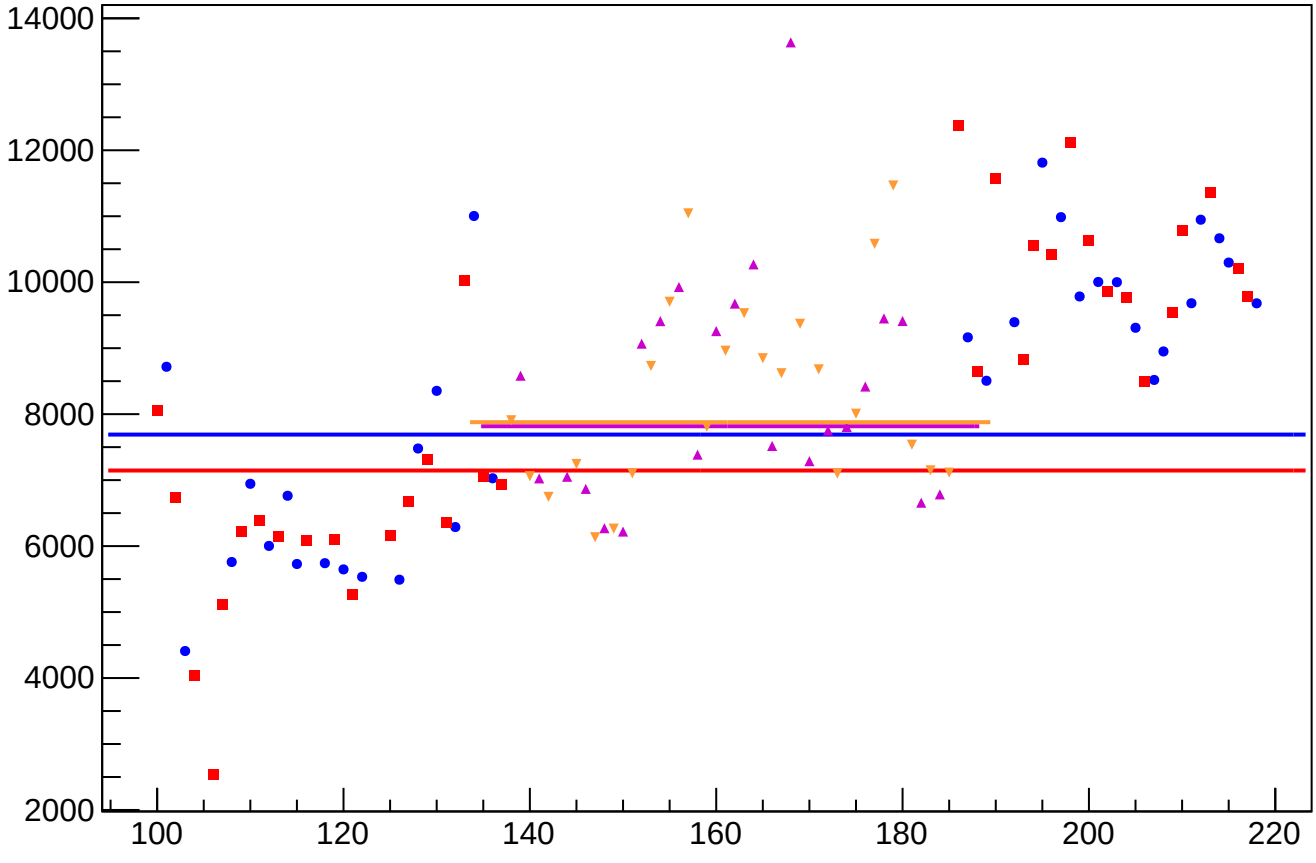
Left In: 963.967+/-1859.926 χ^2/NDF:12.8/22

+ sign 465.194+/-1287.757 χ^2/NDF: 68.0/55

All: 549.874+/-904.492 χ^2/NDF: 124.9/112

- sign 632.325+/-1270.704 χ^2/NDF: 57.0/56

asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 7690.336+/-1.259 χ^2/NDF: 2837634.6/31

Left Out: 7878.482+/-1.319 χ^2/NDF:990058.5/23

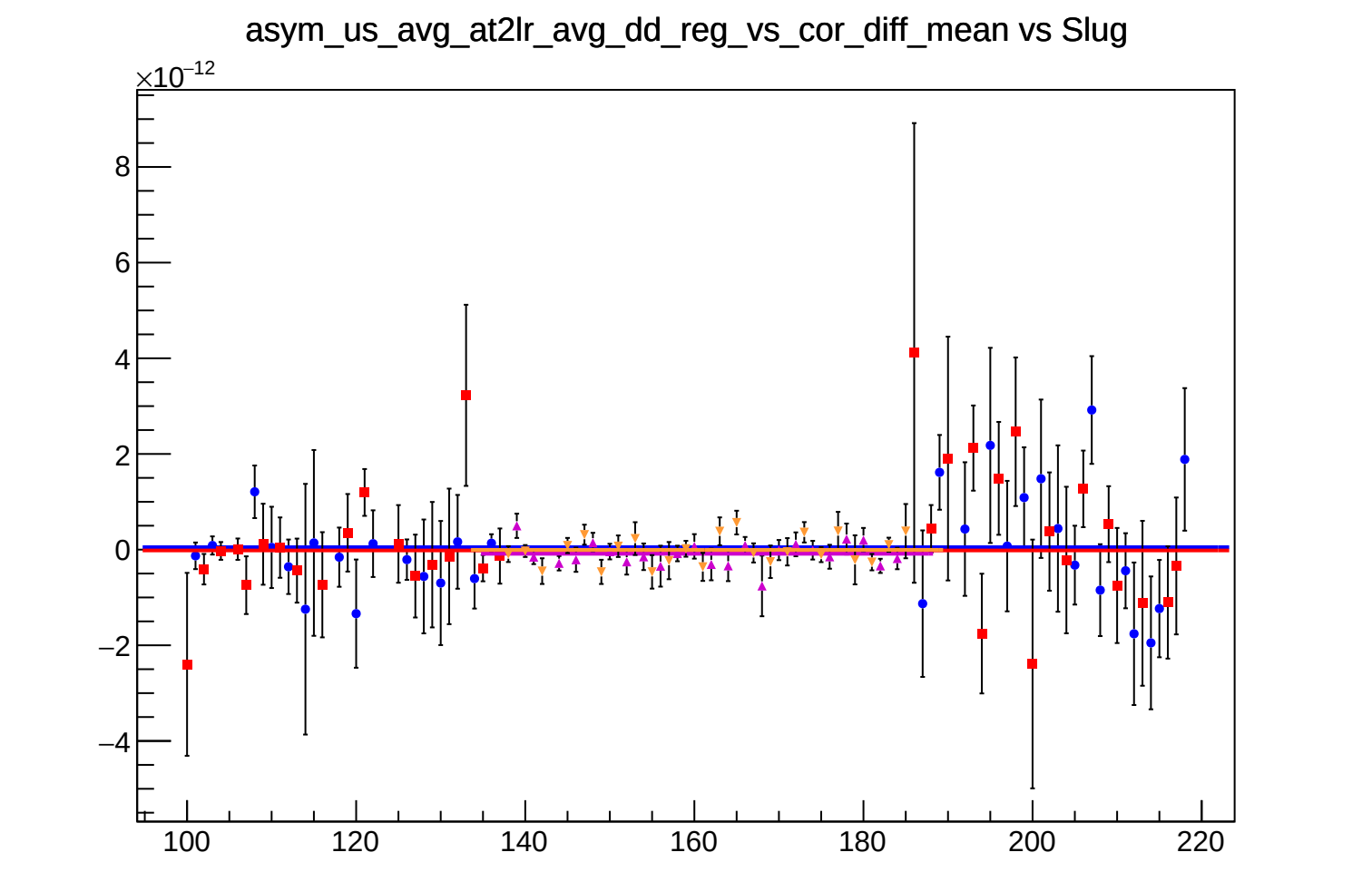
Right Out: 7145.595+/-1.203 χ^2/NDF: 4639591.0/33

Left In: 7816.447+/-1.315 χ^2/NDF:1132368.2/22

+ sign 7780.028+/-0.911 χ^2/NDF: 3838343.1/55

All: 7611.414+/-0.636 χ^2/NDF: 9818840.8/11

- sign 7451.188+/-0.888 χ^2/NDF: 5913626.1/56



Right In: 0.000+/-0.000 χ^2/NDF: 31.7/31

Left Out: -0.000+/-0.000 χ^2/NDF:28.6/23

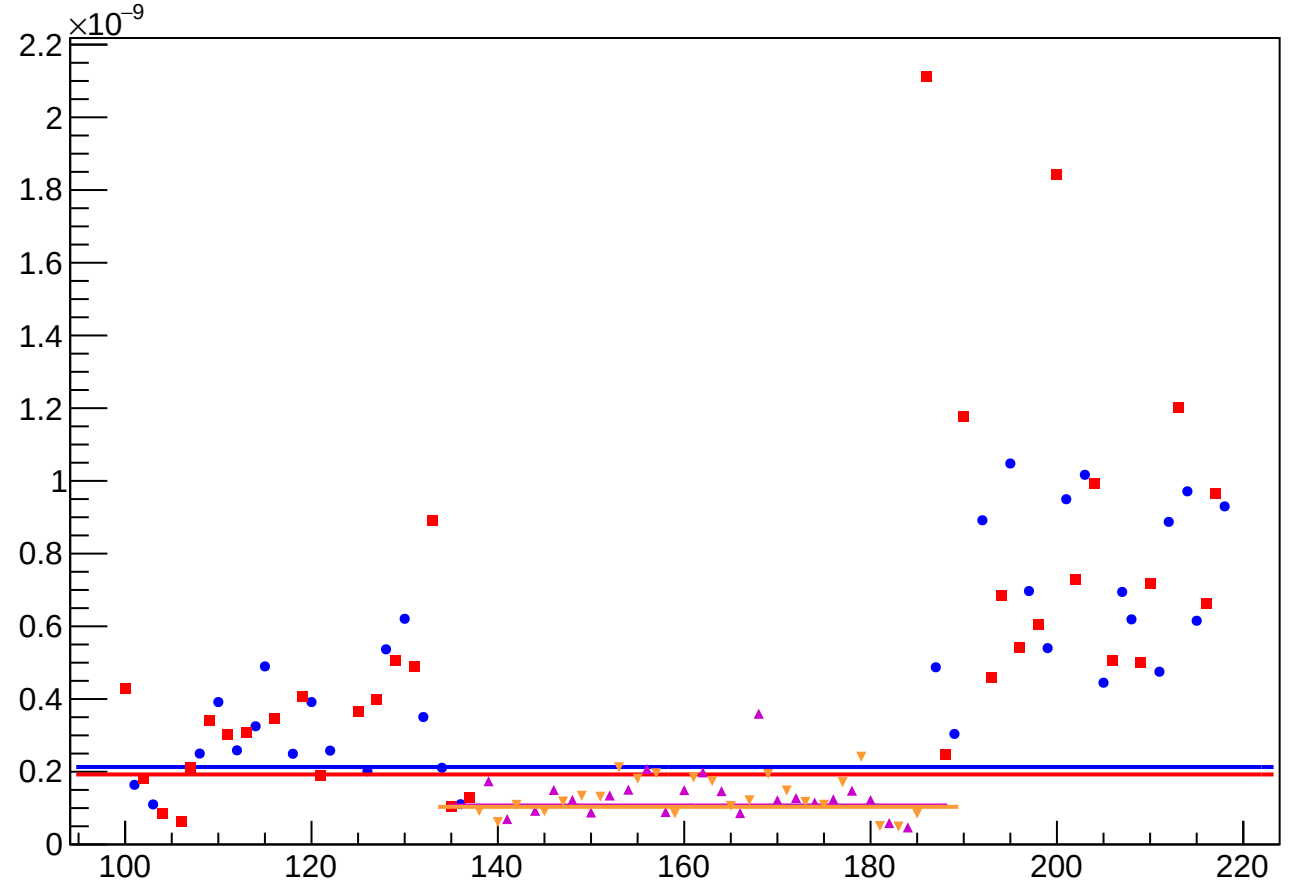
Right Out: -0.000+/-0.000 χ^2/NDF: 36.7/33

Left In: -0.000+/-0.000 χ^2/NDF:19.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 60.6/55

All: -0.000+/-0.000 χ^2/NDF: 119.1/112

- sign -0.000+/-0.000 χ^2/NDF: 56.5/56



Right In: 0.000+/-0.000 χ^2/NDF: 6899202.1/31

Left Out: 0.000+/-0.000 χ^2/NDF:1905146.0/23

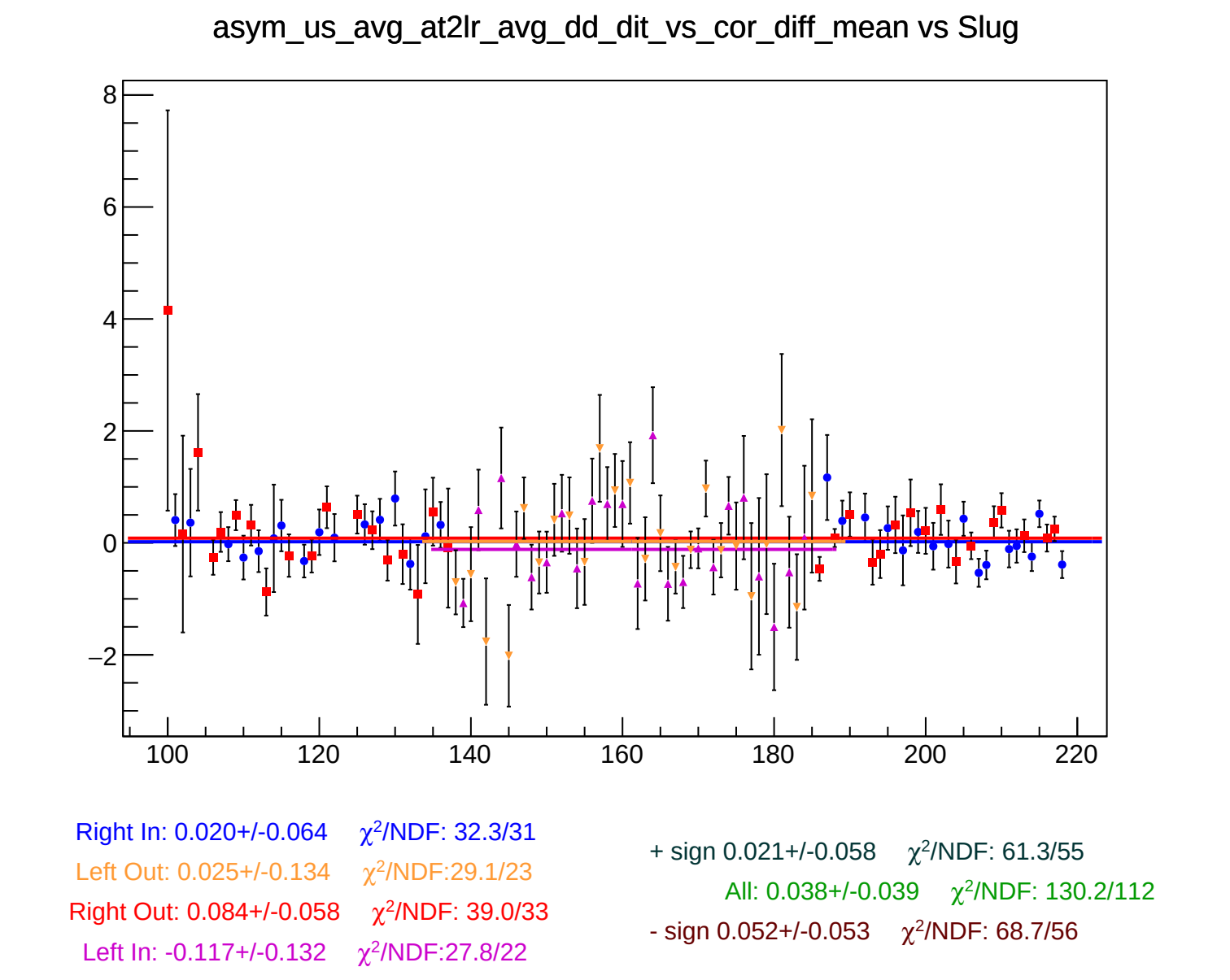
Right Out: 0.000+/-0.000 χ^2/NDF: 8417344.1/33

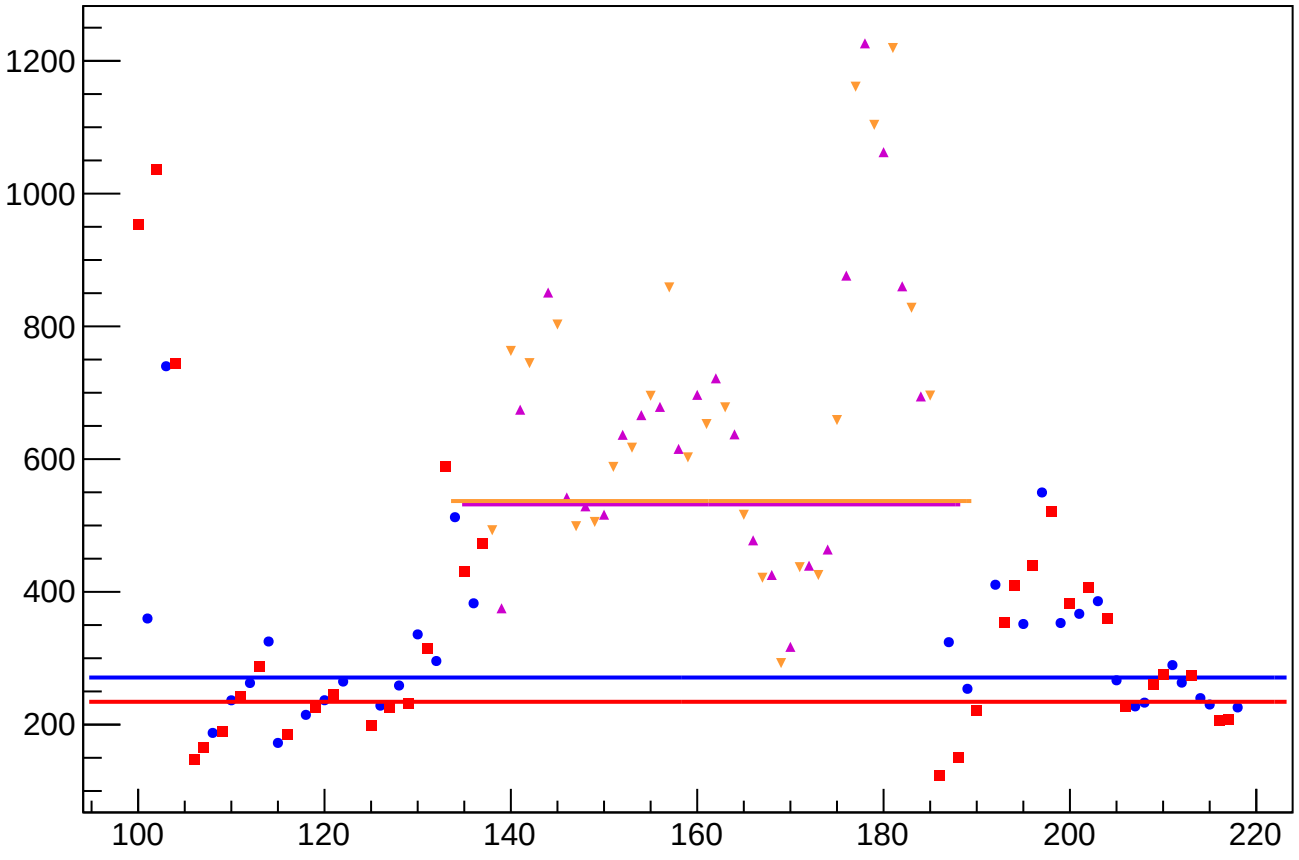
Left In: 0.000+/-0.000 χ^2/NDF:1596017.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 10900235.1/55

All: 0.000+/-0.000 χ^2/NDF: 22212887.7/112

- sign 0.000+/-0.000 χ^2/NDF: 11312470.4/56


asym_us_avg_at2lr_avg_dd_dit_vs_cor_diff_mean vs Slug
8
6
4
2
0
−2
100
120
140
160
180
200
220
Right In: 0.020+/-0.064 χ²/NDF: 32.3/31
Left Out: 0.025+/-0.134 χ²/NDF:29.1/23
Right Out: 0.084+/-0.058 χ²/NDF: 39.0/33
Left In: -0.117+/-0.132 χ²/NDF:27.8/22
+ sign 0.021+/-0.058 χ²/NDF: 61.3/55
All: 0.038+/-0.039 χ²/NDF: 130.2/112
- sign 0.052+/-0.053 χ²/NDF: 68.7/56



Right In: 270.966+/-0.045 χ^2/NDF: 2626884.9/31

Left Out: 536.821+/-0.095 χ^2/NDF:3963242.1/23

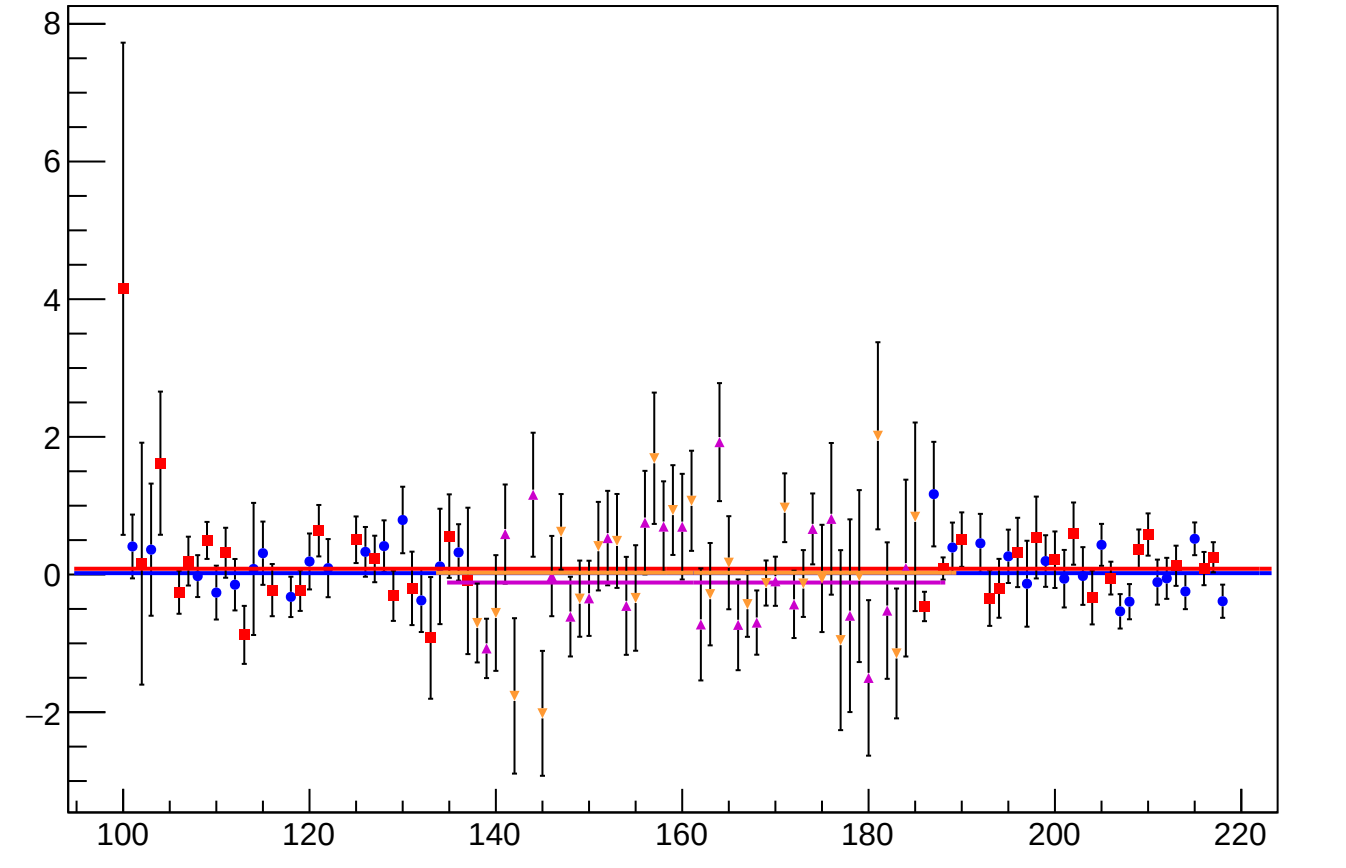
Right Out: 234.381+/-0.041 χ^2/NDF: 5332246.4/33

Left In: 531.769+/-0.094 χ^2/NDF:3381209.0/22

+ sign 320.093+/-0.041 χ^2/NDF: 13010680.2/55

All: 299.539+/-0.028 χ^2/NDF: 30658454.2/11

- sign 282.093+/-0.038 χ^2/NDF: 17176791.1/56



Right In: 0.020+/-0.064 χ^2/NDF: 32.3/31

Left Out: 0.025+/-0.134 χ^2/NDF:29.1/23

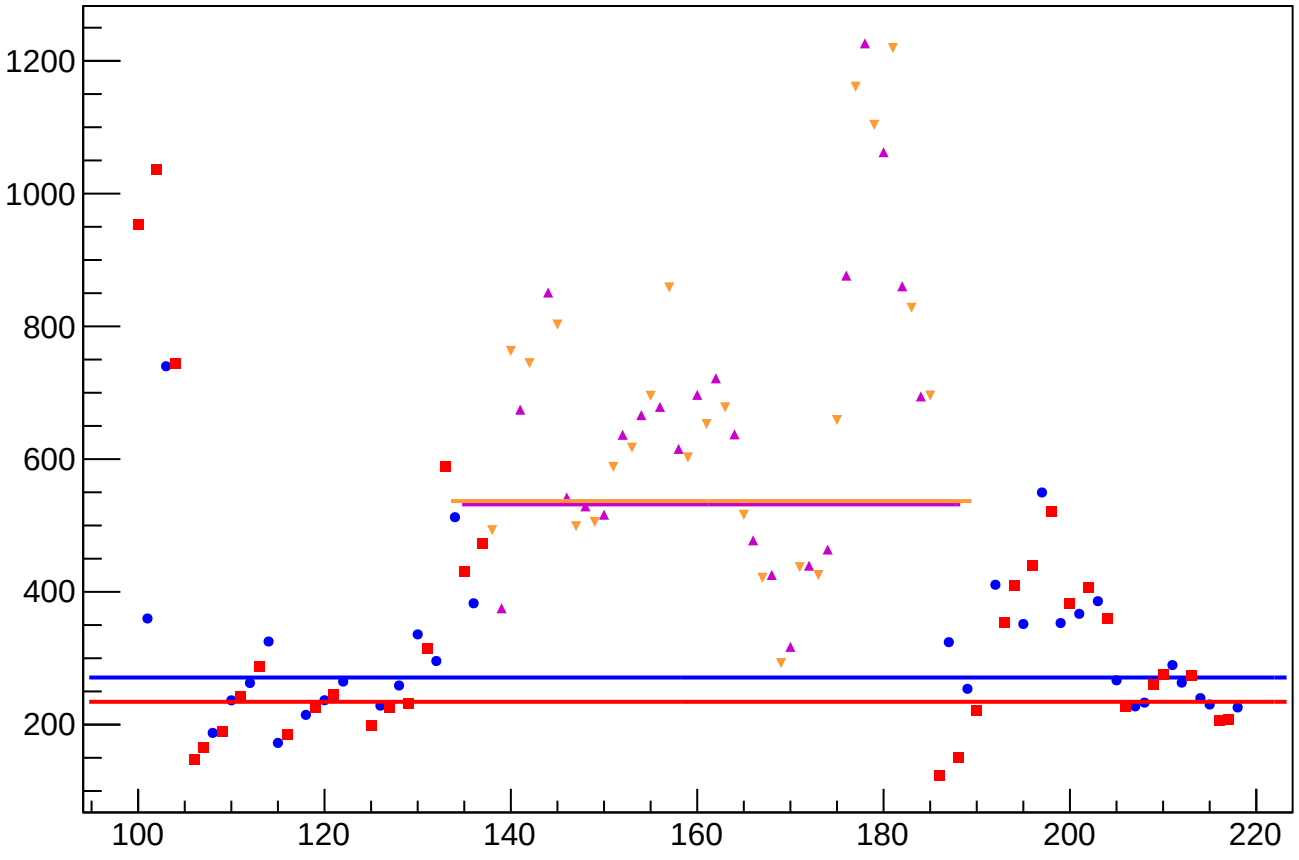
Right Out: 0.084+/-0.058 χ^2/NDF: 39.0/33

Left In: -0.117+/-0.132 χ^2/NDF:27.8/22

\+ sign 0.021+/-0.058 χ^2/NDF: 61.3/55

All: 0.038+/-0.039 χ^2/NDF: 130.2/112

\- sign 0.052+/-0.053 χ^2/NDF: 68.7/56



Right In: 270.966+/-0.045 χ^2/NDF: 2626884.9/31

Left Out: 536.821+/-0.095 χ^2/NDF:3963242.1/23

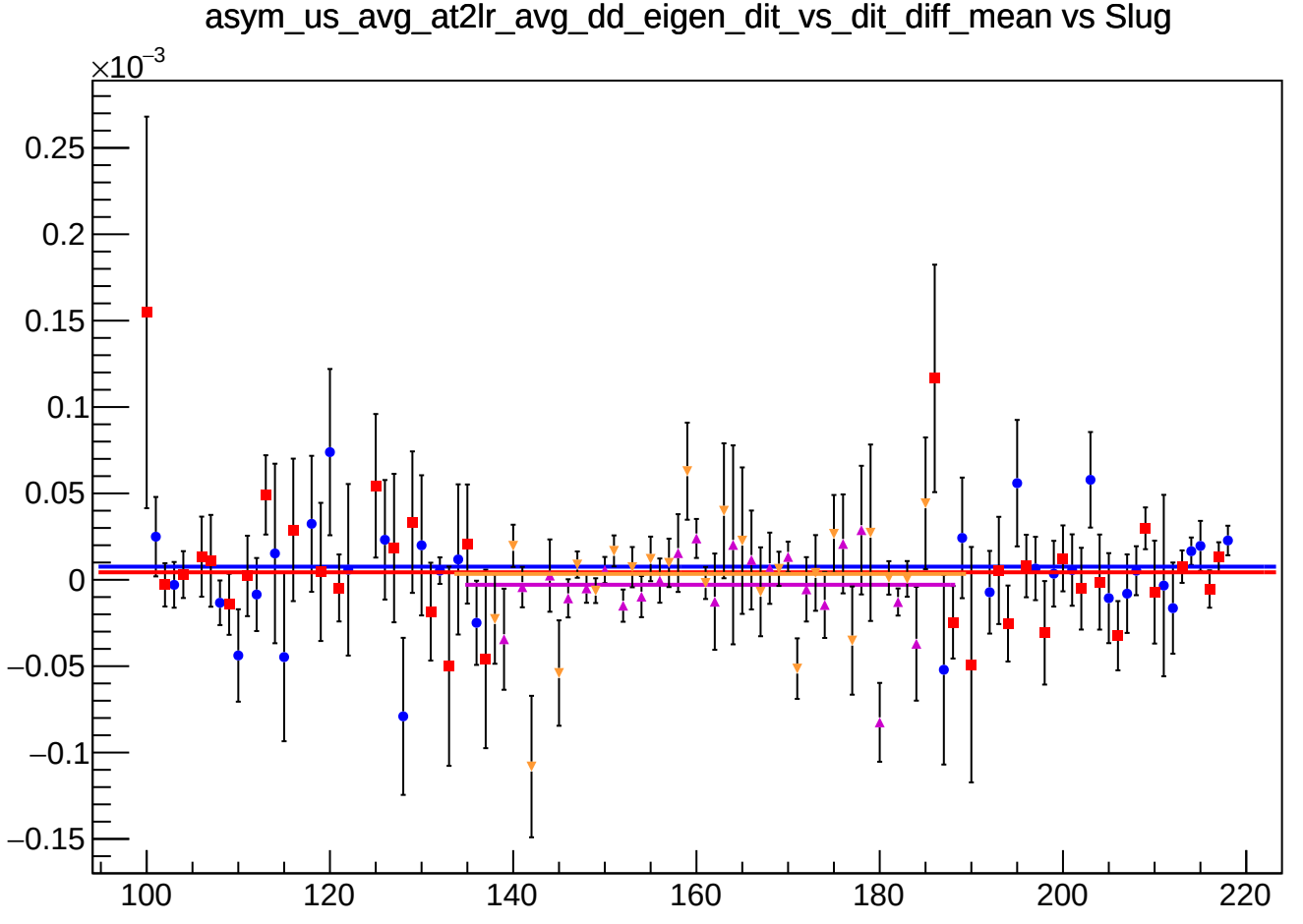
Right Out: 234.381+/-0.041 χ^2/NDF: 5332246.4/33

Left In: 531.769+/-0.094 χ^2/NDF:3381209.0/22

+ sign 320.093+/-0.041 χ^2/NDF: 13010680.2/55

All: 299.539+/-0.028 χ^2/NDF: 30658454.2/11

- sign 282.093+/-0.038 χ^2/NDF: 17176791.1/56



Right In: 0.000+/-0.000 χ^2/NDF: 31.2/31

Left Out: 0.000+/-0.000 χ^2/NDF:39.1/23

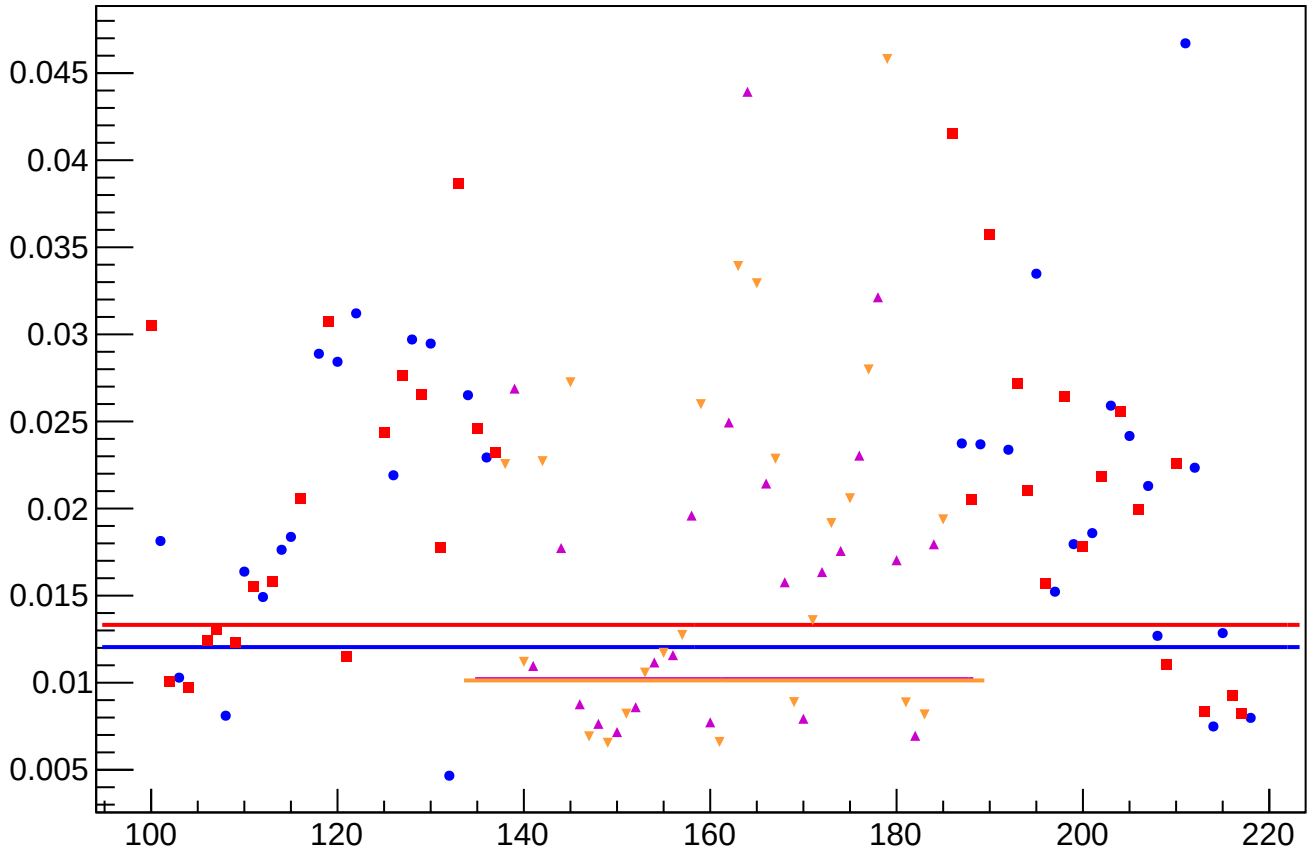
Right Out: 0.000+/-0.000 χ^2/NDF: 31.5/33

Left In: -0.000+/-0.000 χ^2/NDF:32.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 71.3/55

All: 0.000+/-0.000 χ^2/NDF: 140.7/112

- sign 0.000+/-0.000 χ^2/NDF: 66.4/56



Right In: 0.012+/-0.000 χ^2/NDF: 10170087.1/31

Left Out: 0.010+/-0.000 χ^2/NDF:7812047.6/23

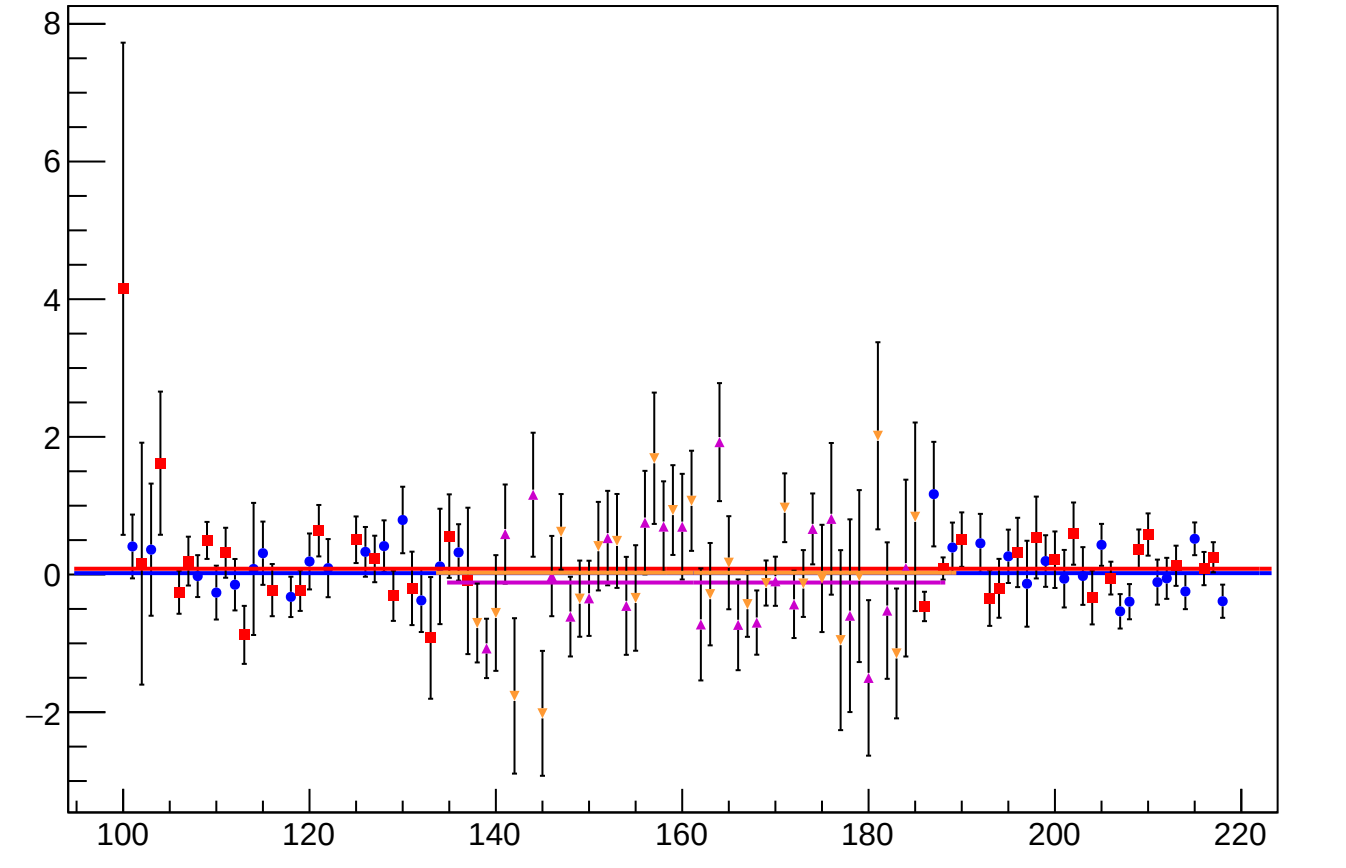
Right Out: 0.013+/-0.000 χ^2/NDF: 6781374.6/33

Left In: 0.010+/-0.000 χ^2/NDF:6075883.8/22

+ sign 0.011+/-0.000 χ^2/NDF: 18395992.5/55

All: 0.011+/-0.000 χ^2/NDF: 32349119.3/112

- sign 0.011+/-0.000 χ^2/NDF: 13887785.9/56



Right In: 0.020+/-0.064 χ^2/NDF: 32.3/31

Left Out: 0.025+/-0.134 χ^2/NDF:29.1/23

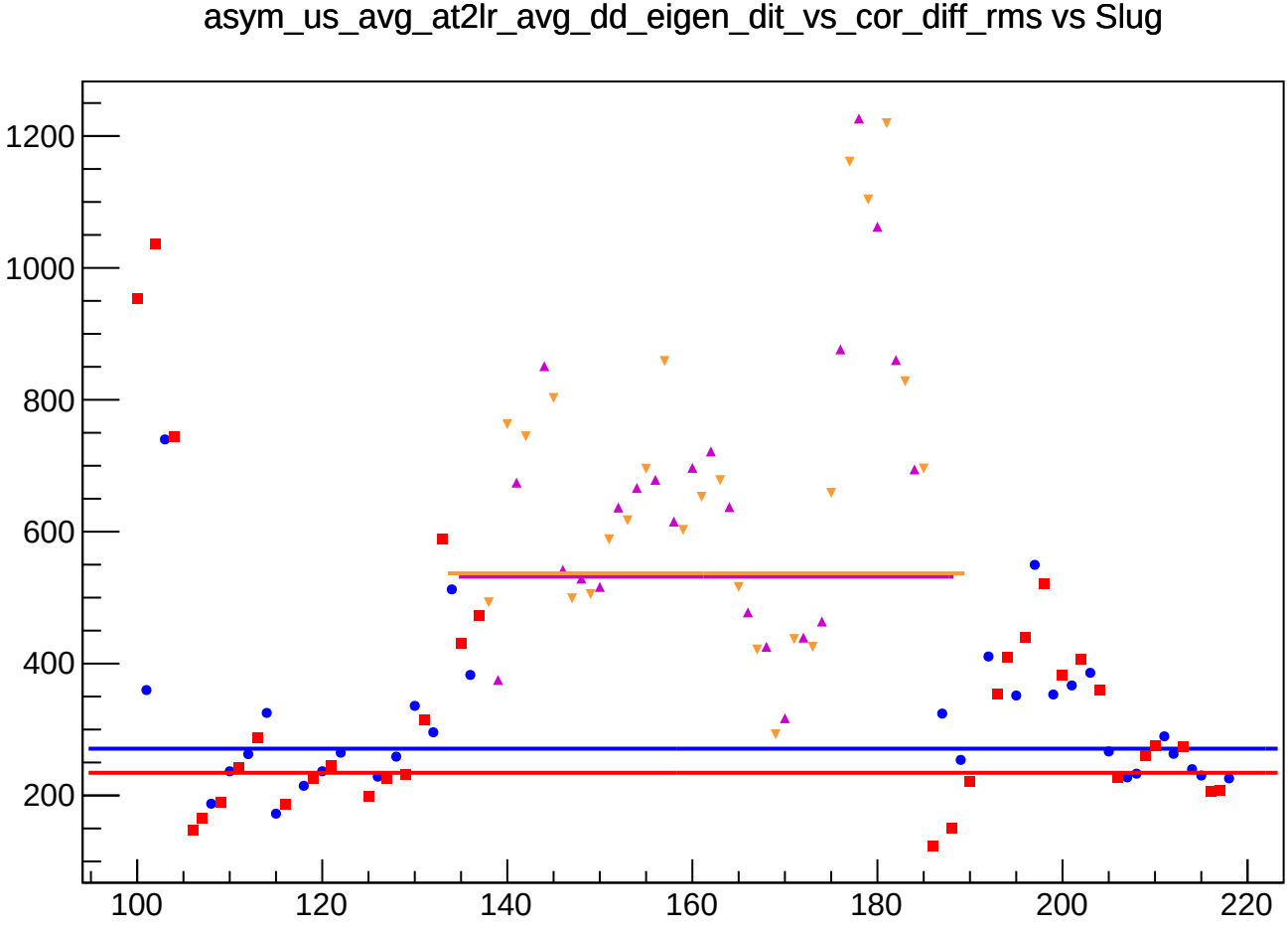
Right Out: 0.084+/-0.058 χ^2/NDF: 39.0/33

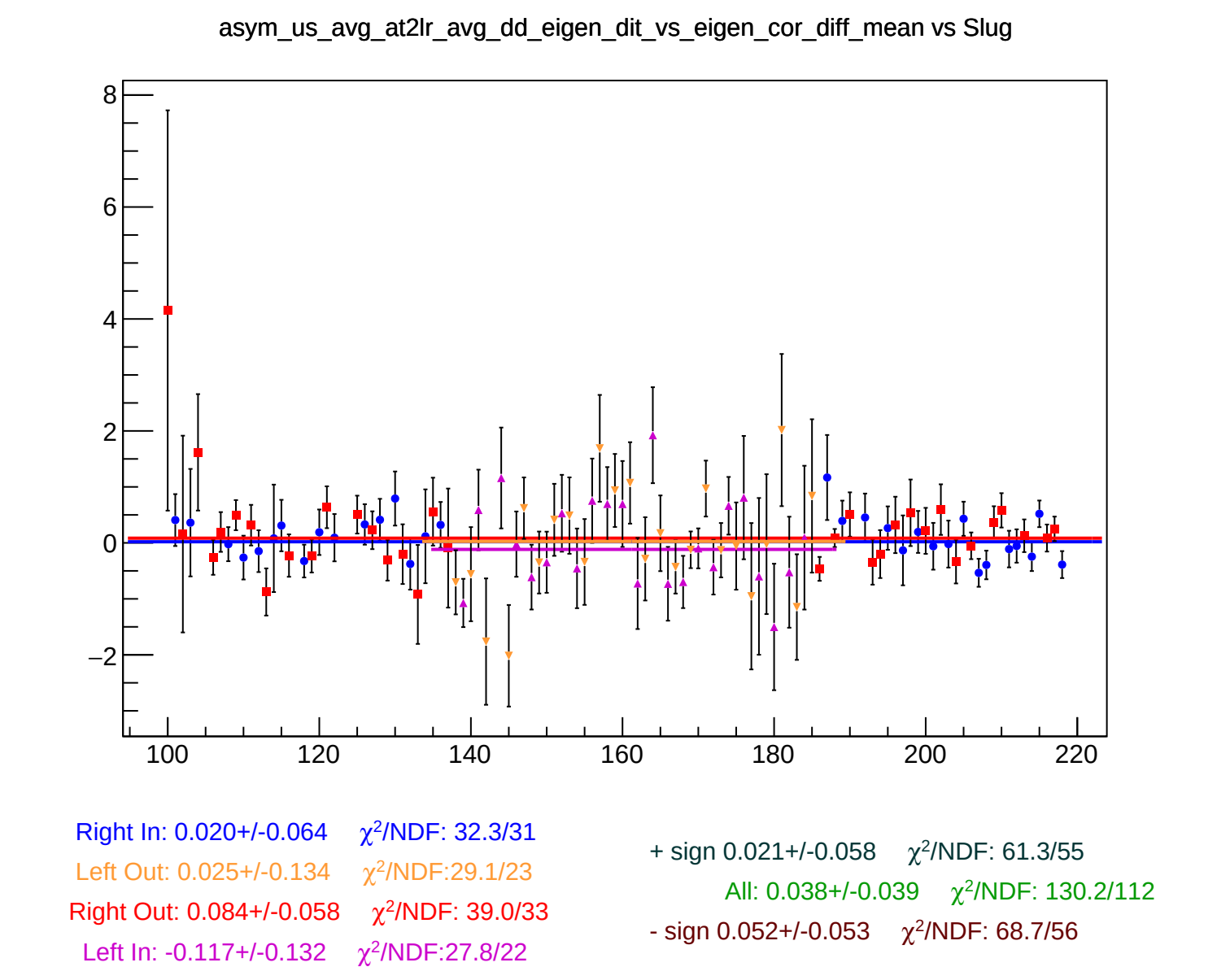
Left In: -0.117+/-0.132 χ^2/NDF:27.8/22

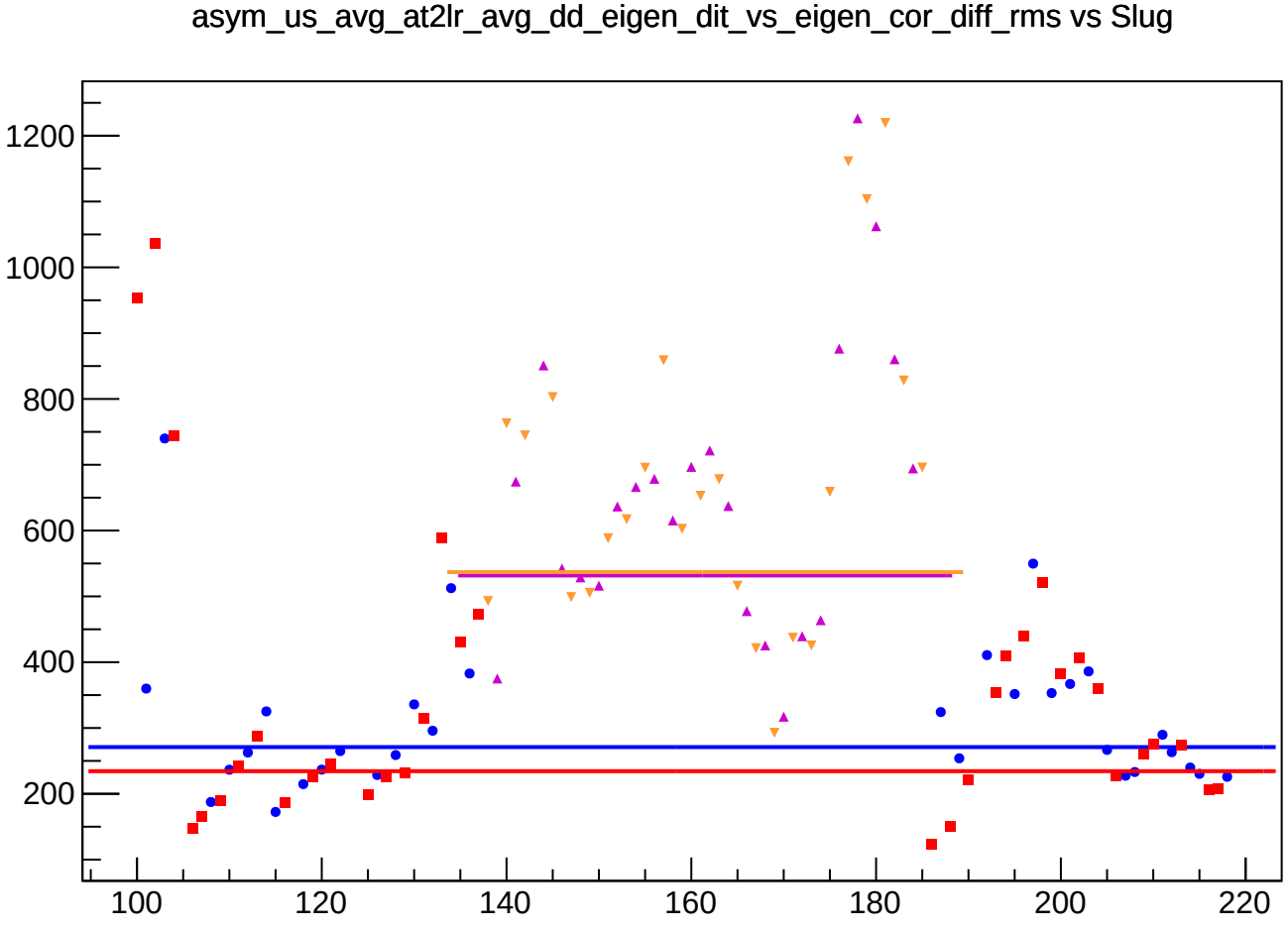
+ sign 0.021+/-0.058 χ^2/NDF: 61.3/55

All: 0.038+/-0.039 χ^2/NDF: 130.2/112

- sign 0.052+/-0.053 χ^2/NDF: 68.7/56


asym_us_avg_at2lr_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug
1200
1000
800
600
400
200
100
120
140
160
180
200
220
Right In: 270.965+/-0.045 χ²/NDF: 2626889.3/31
Left Out: 536.822+/-0.095 χ²/NDF:3963422.5/23
Right Out: 234.379+/-0.041 χ²/NDF: 5332368.7/33
Left In: 531.773+/-0.094 χ²/NDF:3381293.8/22
+ sign 320.092+/-0.041 χ²/NDF: 13010909.4/55
All: 299.537+/-0.028 χ²/NDF: 30659131.6/11
- sign 282.091+/-0.038 χ²/NDF: 17177210.7/56


asym_us_avg_at2lr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug
8
6
4
2
0
−2
100
120
140
160
180
200
220
Right In: 0.020+/-0.064 χ²/NDF: 32.3/31
Left Out: 0.025+/-0.134 χ²/NDF:29.1/23
Right Out: 0.084+/-0.058 χ²/NDF: 39.0/33
Left In: -0.117+/-0.132 χ²/NDF:27.8/22
+ sign 0.021+/-0.058 χ²/NDF: 61.3/55
All: 0.038+/-0.039 χ²/NDF: 130.2/112
- sign 0.052+/-0.053 χ²/NDF: 68.7/56



Right In: 270.965+/-0.045 χ^2/NDF: 2626889.3/31

Left Out: 536.822+/-0.095 χ^2/NDF:3963422.5/23

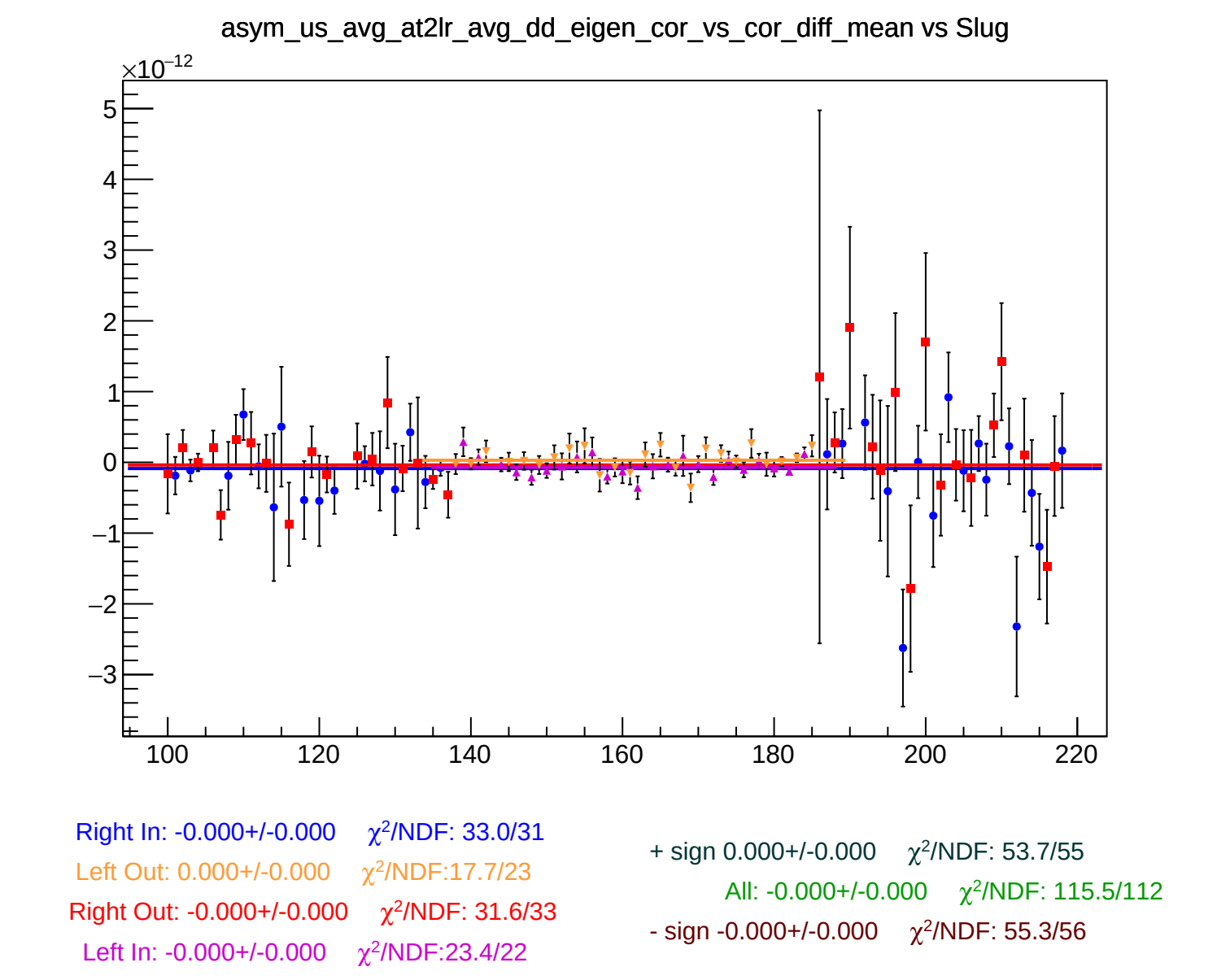
Right Out: 234.379+/-0.041 χ^2/NDF: 5332368.7/33

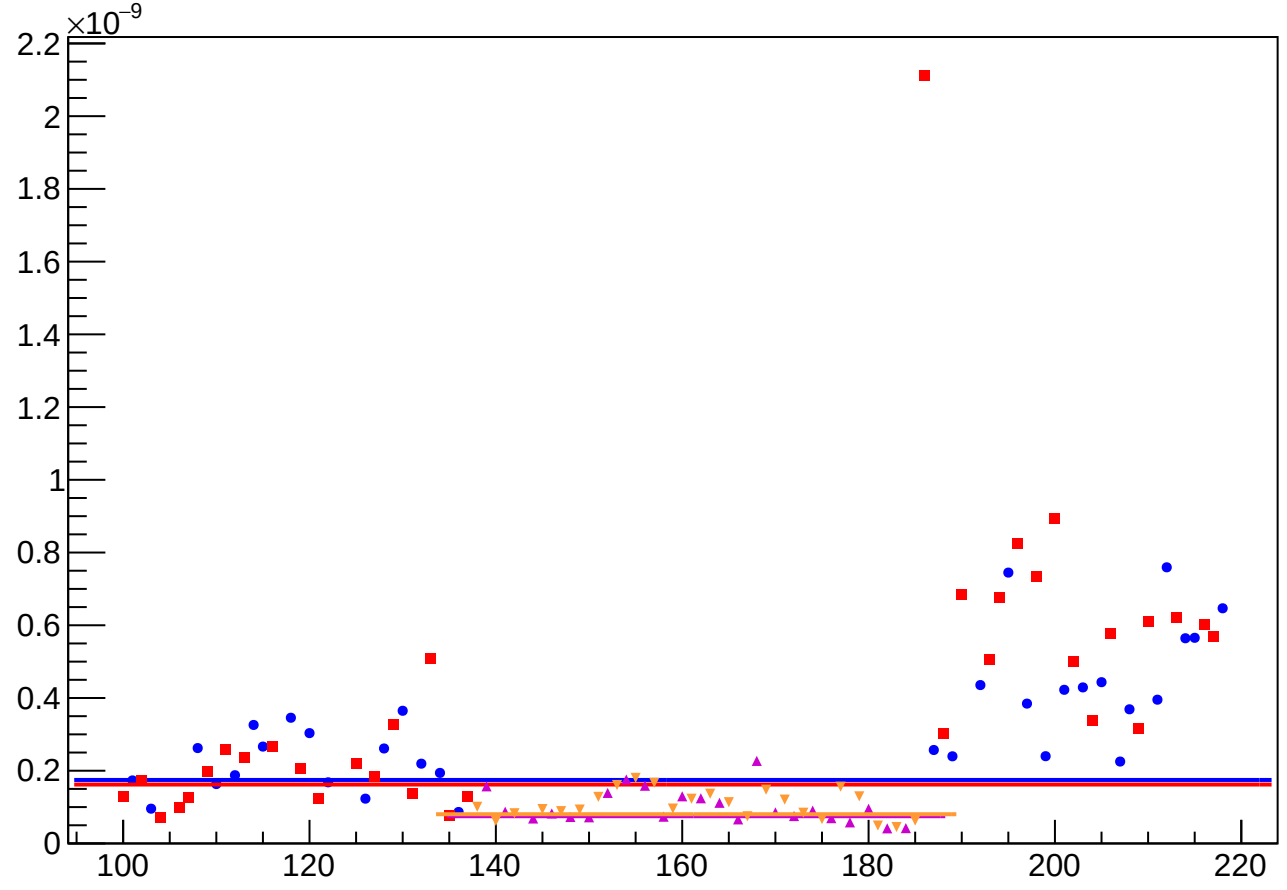
Left In: 531.773+/-0.094 χ^2/NDF:3381293.8/22

+ sign 320.092+/-0.041 χ^2/NDF: 13010909.4/55

All: 299.537+/-0.028 χ^2/NDF: 30659131.6/11

- sign 282.091+/-0.038 χ^2/NDF: 17177210.7/56


asym_us_avg_at2lr_avg_dd_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
5
4
3
2
1
0
−1
−2
−3
100
120
140
160
180
200
220
Right In: -0.000+/-0.000 χ²/NDF: 33.0/31
Left Out: 0.000+/-0.000 χ²/NDF:17.7/23
Right Out: -0.000+/-0.000 χ²/NDF: 31.6/33
Left In: -0.000+/-0.000 χ²/NDF:23.4/22
+ sign 0.000+/-0.000 χ²/NDF: 53.7/55
All: -0.000+/-0.000 χ²/NDF: 115.5/112
- sign -0.000+/-0.000 χ²/NDF: 55.3/56



Right In: 0.000+/-0.000 χ^2/NDF: 7604791.2/31

Left Out: 0.000+/-0.000 χ^2/NDF:3732870.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 10811516.1/33

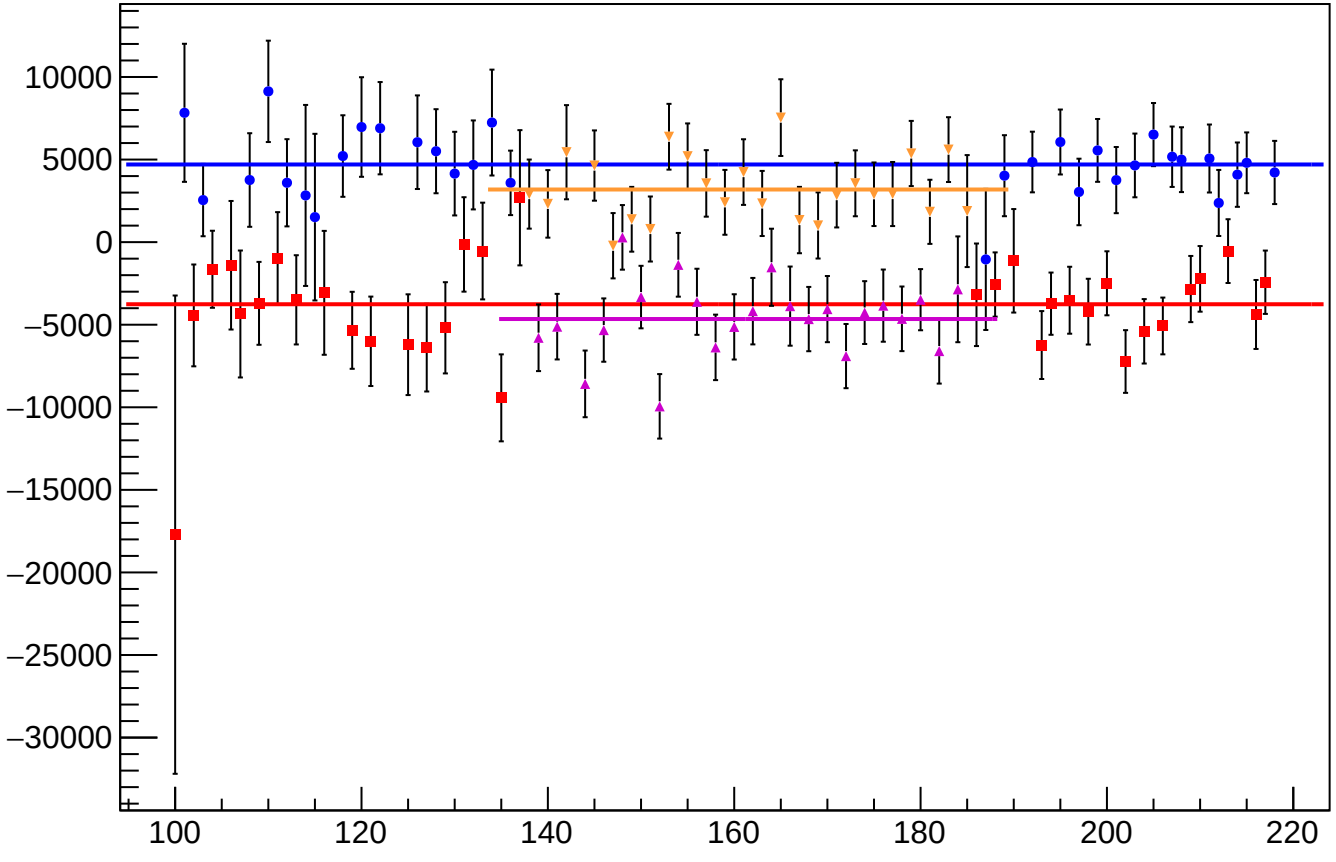
Left In: 0.000+/-0.000 χ^2/NDF:3665599.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 15221617.7/55

All: 0.000+/-0.000 χ^2/NDF: 33380882.4/112

- sign 0.000+/-0.000 χ^2/NDF: 18068513.7/56

reg_asym_us_avg_atlr_avg_avg_mean vs Slug



Right In: 4702.312+/-407.777 χ^2/NDF: 13.0/31

Left Out: 3187.125+/-418.619 χ^2/NDF:19.9/23

Right Out: -3760.592+/-409.395 χ^2/NDF: 28.0/33

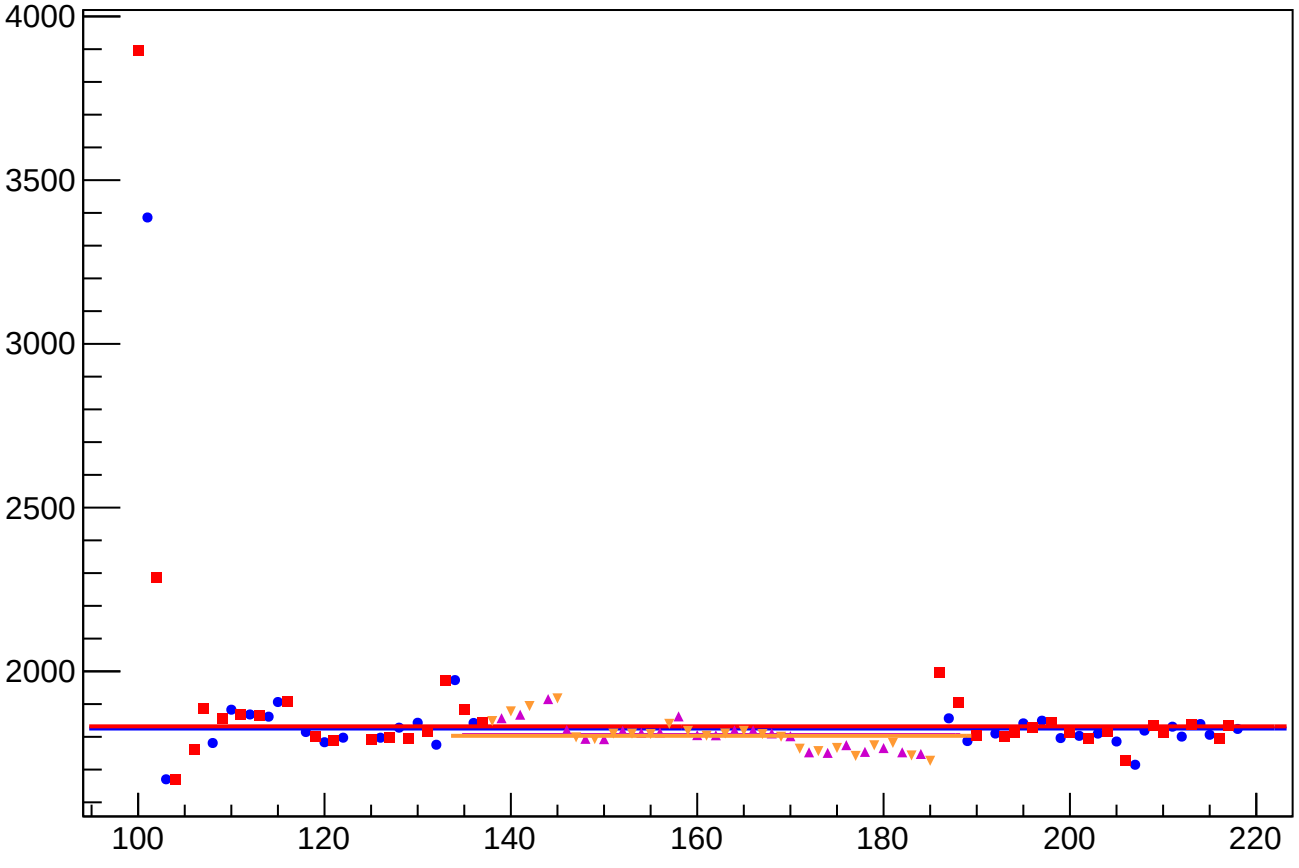
Left In: -4655.206+/-421.691 χ^2/NDF:27.7/22

+ sign 3964.592+/-292.100 χ^2/NDF: 39.6/55

All: -92.233+/-207.122 χ^2/NDF: 485.6/112

- sign -4194.665+/-293.737 χ^2/NDF: 58.1/56

reg_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1825.382+/-0.288 χ^2/NDF: 307929.9/31

Left Out: 1803.115+/-0.296 χ^2/NDF:20641.1/23

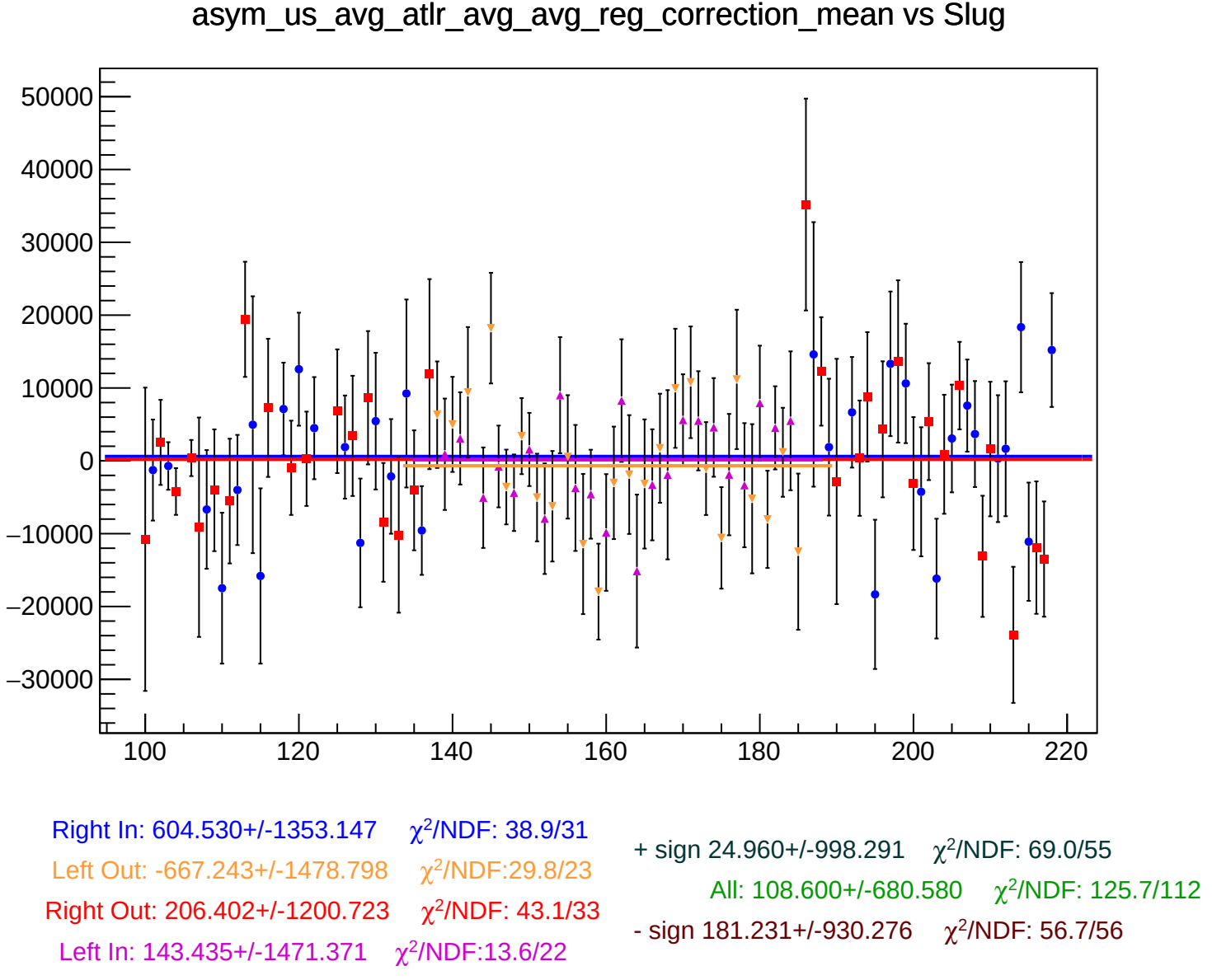
Right Out: 1832.012+/-0.289 χ^2/NDF: 122213.2/33

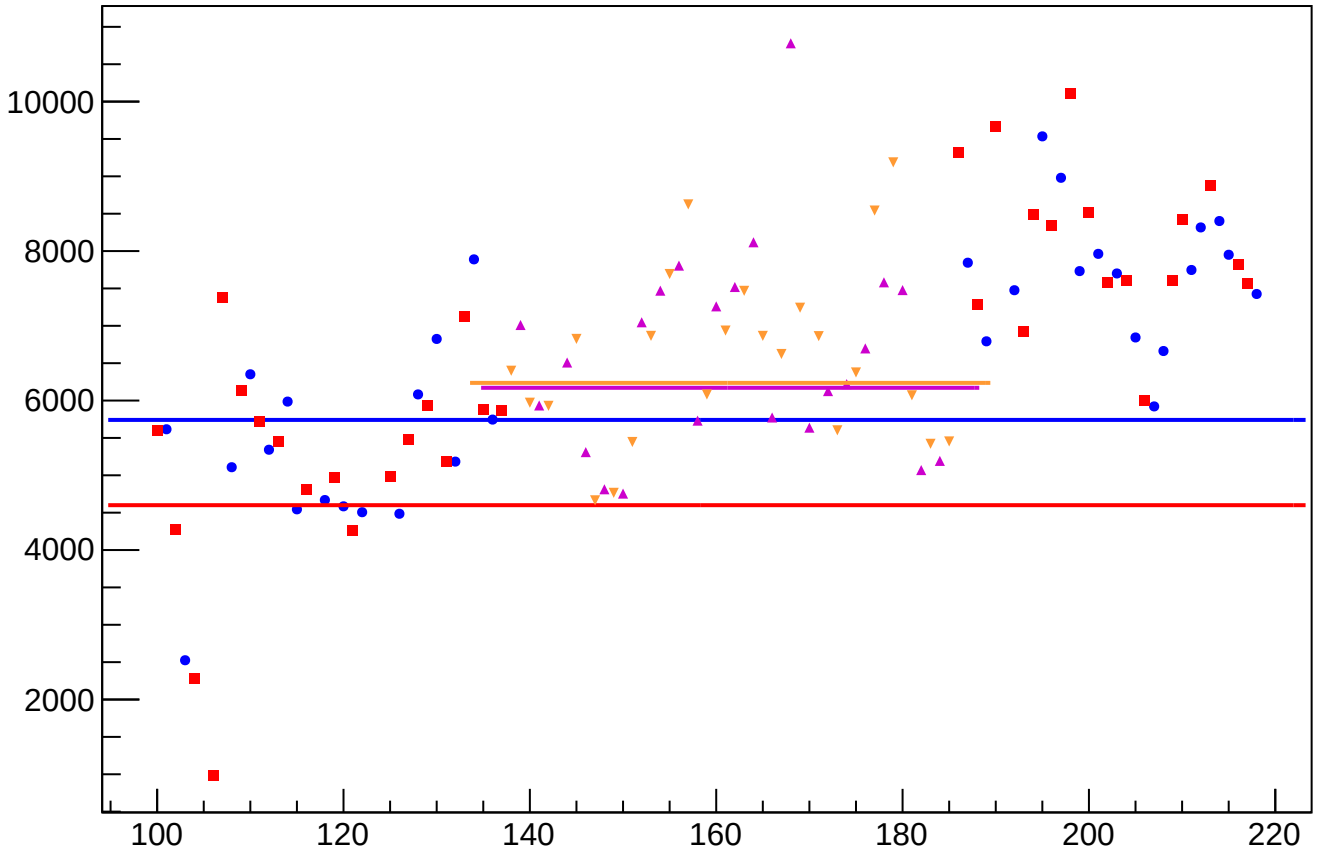
Left In: 1805.559+/-0.298 χ^2/NDF:19314.7/22

+ sign 1814.541+/-0.207 χ^2/NDF: 331474.7/55

All: 1816.854+/-0.146 χ^2/NDF: 477310.5/112

- sign 1819.190+/-0.208 χ^2/NDF: 145583.6/56


asym_us_avg_atlr_avg_avg_reg_correction_mean vs Slug
50000
40000
30000
20000
10000
0
−10000
−20000
−30000
100
120
140
160
180
200
220
Right In: 604.530+/-1353.147 χ²/NDF: 38.9/31
Left Out: -667.243+/-1478.798 χ²/NDF:29.8/23
Right Out: 206.402+/-1200.723 χ²/NDF: 43.1/33
Left In: 143.435+/-1471.371 χ²/NDF:13.6/22
+ sign 24.960+/-998.291 χ²/NDF: 69.0/55
All: 108.600+/-680.580 χ²/NDF: 125.7/112
- sign 181.231+/-930.276 χ²/NDF: 56.7/56



Right In: 5741.007+/-0.957 χ^2/NDF: 4060841.0/31

Left Out: 6236.636+/-1.046 χ^2/NDF:1067659.4/23

Right Out: 4600.210+/-0.849 χ^2/NDF: 10368256.4/33

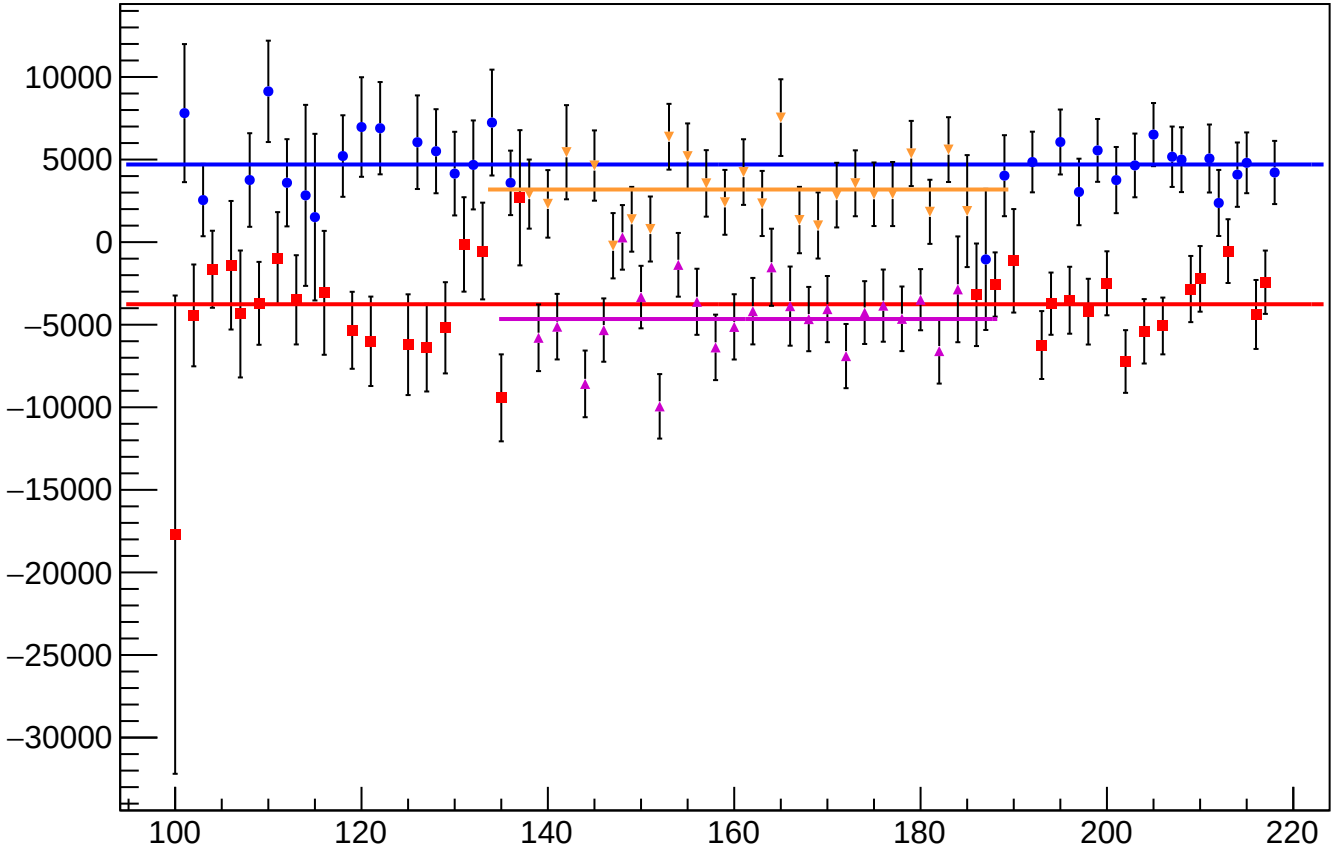
Left In: 6170.791+/-1.040 χ^2/NDF:1237554.5/22

+ sign 5966.874+/-0.706 χ^2/NDF: 5250778.9/55

All: 5571.431+/-0.481 χ^2/NDF: 18810799.2/1

- sign 5228.036+/-0.658 χ^2/NDF: 12973681.5/56

cor_asym_us_avg_atlr_avg_avg_mean vs Slug



Right In: 4702.134+/-407.777 χ^2/NDF: 13.0/31

Left Out: 3187.056+/-418.619 χ^2/NDF:19.9/23

Right Out: -3760.522+/-409.395 χ^2/NDF: 28.0/33

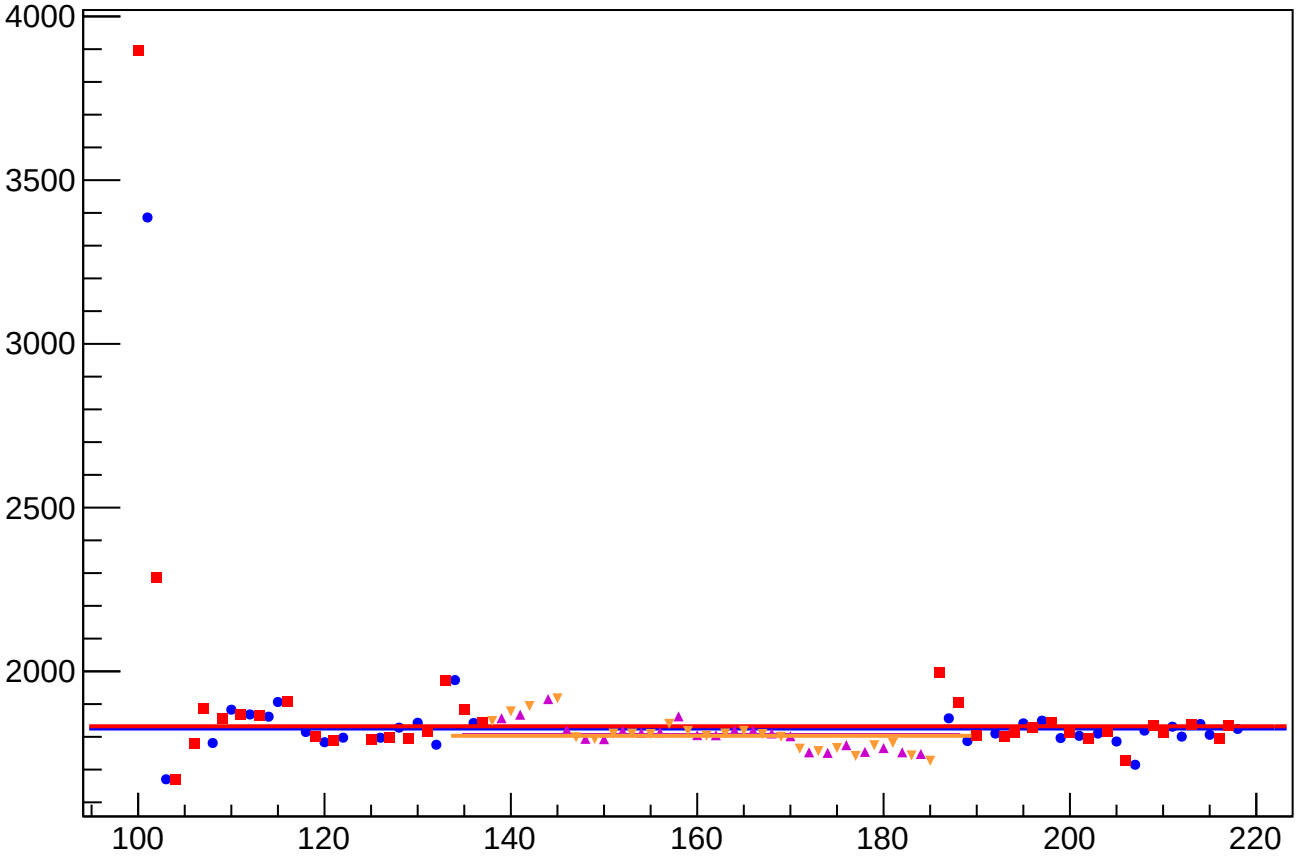
Left In: -4655.225+/-421.691 χ^2/NDF:27.7/22

+ sign 3964.468+/-292.100 χ^2/NDF: 39.6/55

All: -92.283+/-207.122 χ^2/NDF: 485.5/112

- sign -4194.639+/-293.737 χ^2/NDF: 58.1/56

cor_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1825.382+/-0.288 χ^2/NDF: 307931.7/31

Left Out: 1803.115+/-0.296 χ^2/NDF:20641.1/23

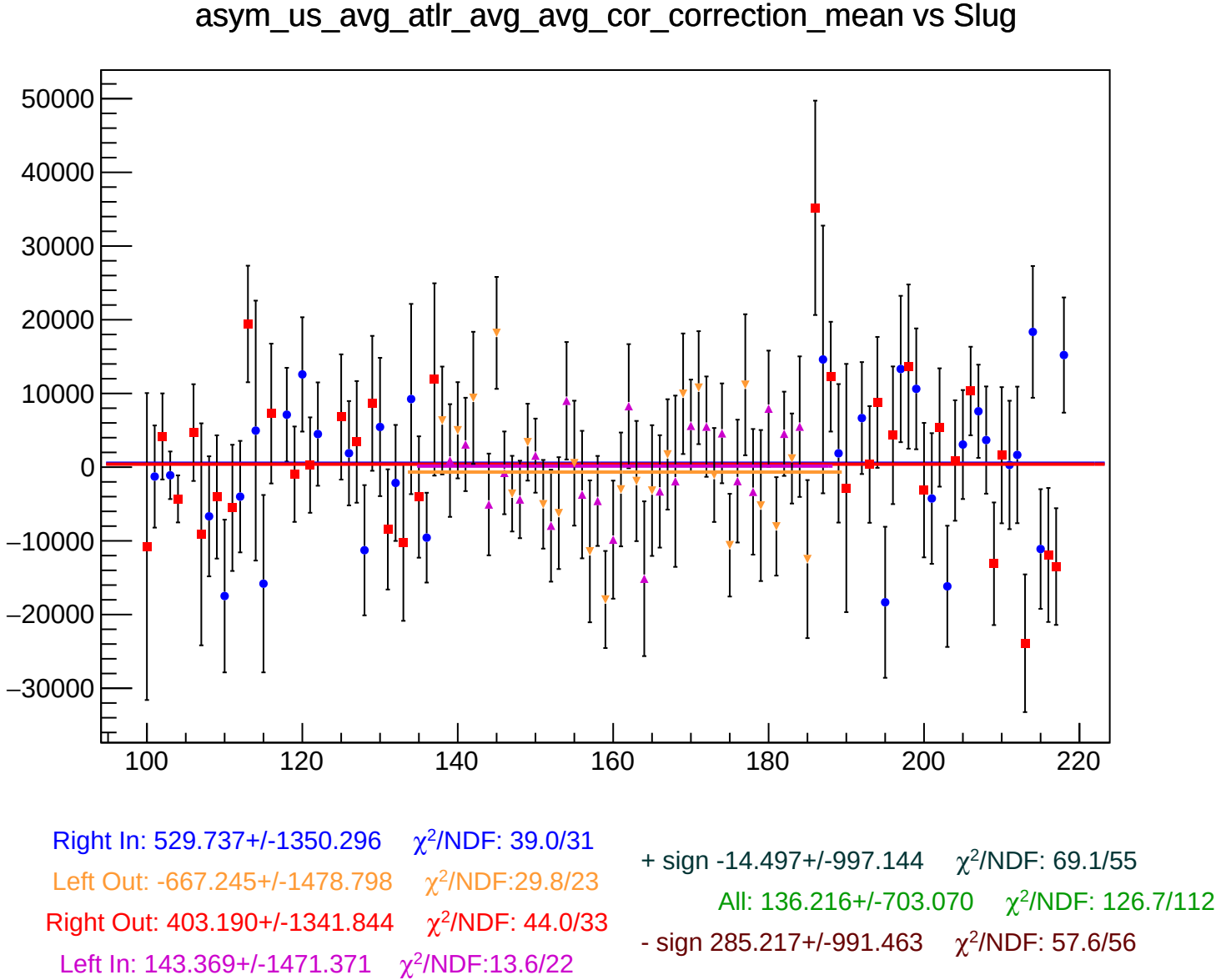
Right Out: 1832.252+/-0.289 χ^2/NDF: 121869.1/33

Left In: 1805.559+/-0.298 χ^2/NDF:19314.6/22

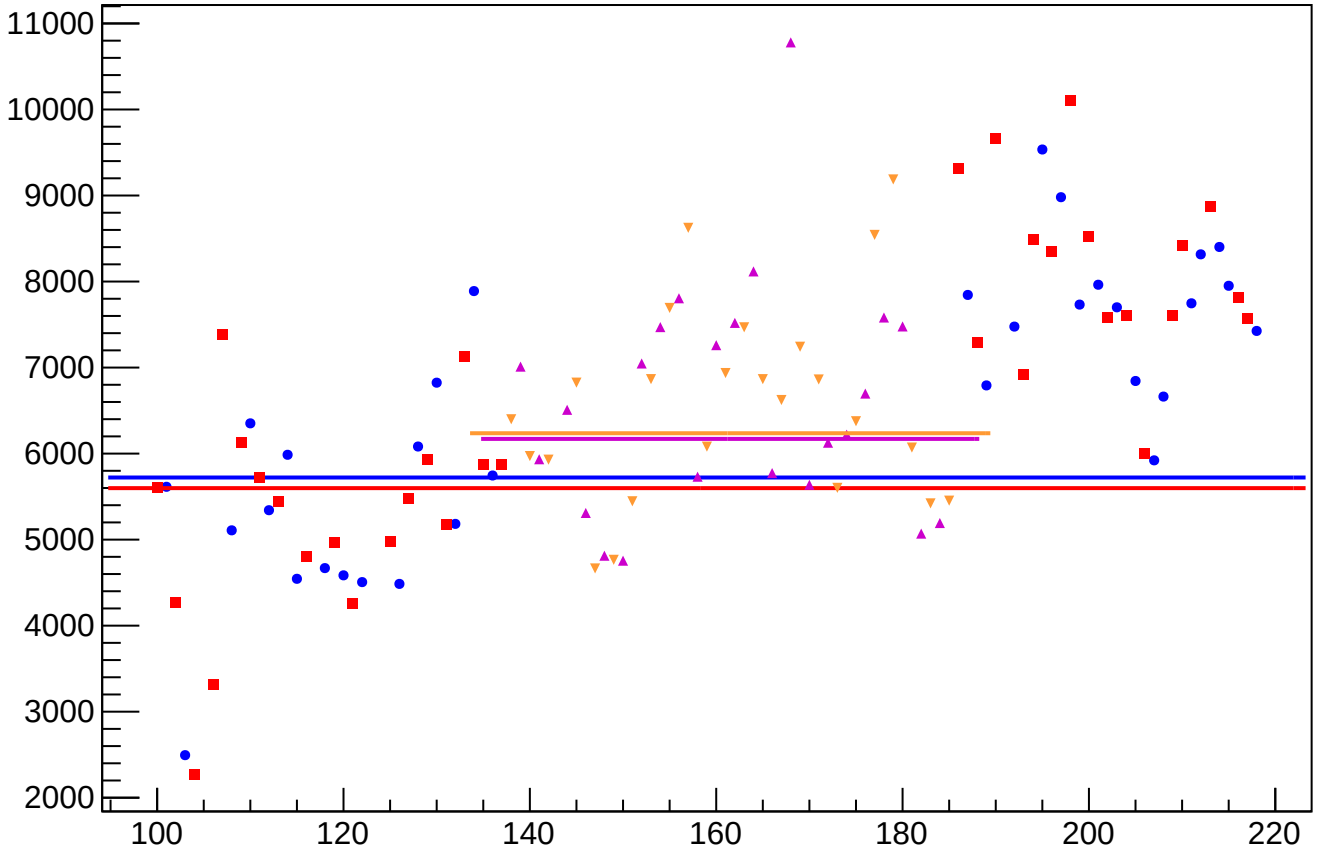
+ sign 1814.541+/-0.207 χ^2/NDF: 331476.6/55

All: 1816.915+/-0.146 χ^2/NDF: 477055.2/112

- sign 1819.313+/-0.208 χ^2/NDF: 145313.1/56


asym_us_avg_atlr_avg_avg_cor_correction_mean vs Slug
50000
40000
30000
20000
10000
0
−10000
−20000
−30000
100
120
140
160
180
200
220
Right In: 529.737+/-1350.296 χ²/NDF: 39.0/31
Left Out: -667.245+/-1478.798 χ²/NDF:29.8/23
Right Out: 403.190+/-1341.844 χ²/NDF: 44.0/33
Left In: 143.369+/-1471.371 χ²/NDF:13.6/22
+ sign -14.497+/-997.144 χ²/NDF: 69.1/55
All: 136.216+/-703.070 χ²/NDF: 126.7/112
- sign 285.217+/-991.463 χ²/NDF: 57.6/56

asym_us_avg_atlr_avg_avg_cor_correction_rms vs Slug



Right In: 5722.071+/-0.955 χ^2/NDF: 4146236.8/31

Left Out: 6236.635+/-1.046 χ^2/NDF:1067665.4/23

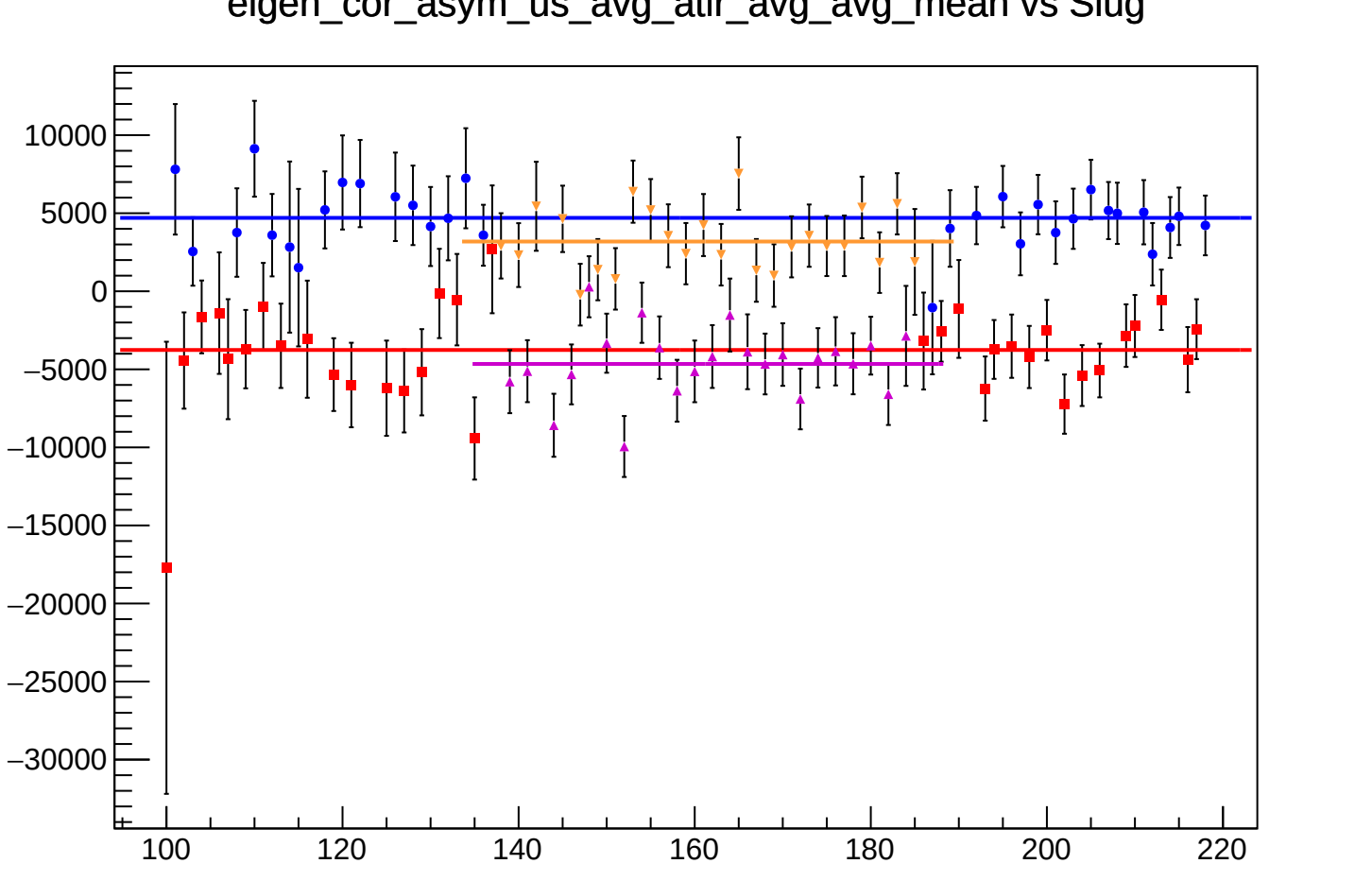
Right Out: 5598.538+/-0.949 χ^2/NDF: 5104456.7/33

Left In: 6170.789+/-1.040 χ^2/NDF:1237564.5/22

+ sign 5956.029+/-0.705 χ^2/NDF: 5345955.2/55

All: 5906.921+/-0.497 χ^2/NDF: 11862783.8/1

- sign 5858.371+/-0.701 χ^2/NDF: 6507182.1/56



Right In: 4702.134+/-407.777 χ^2/NDF: 13.0/31

Left Out: 3187.056+/-418.619 χ^2/NDF:19.9/23

Right Out: -3760.522+/-409.395 χ^2/NDF: 28.0/33

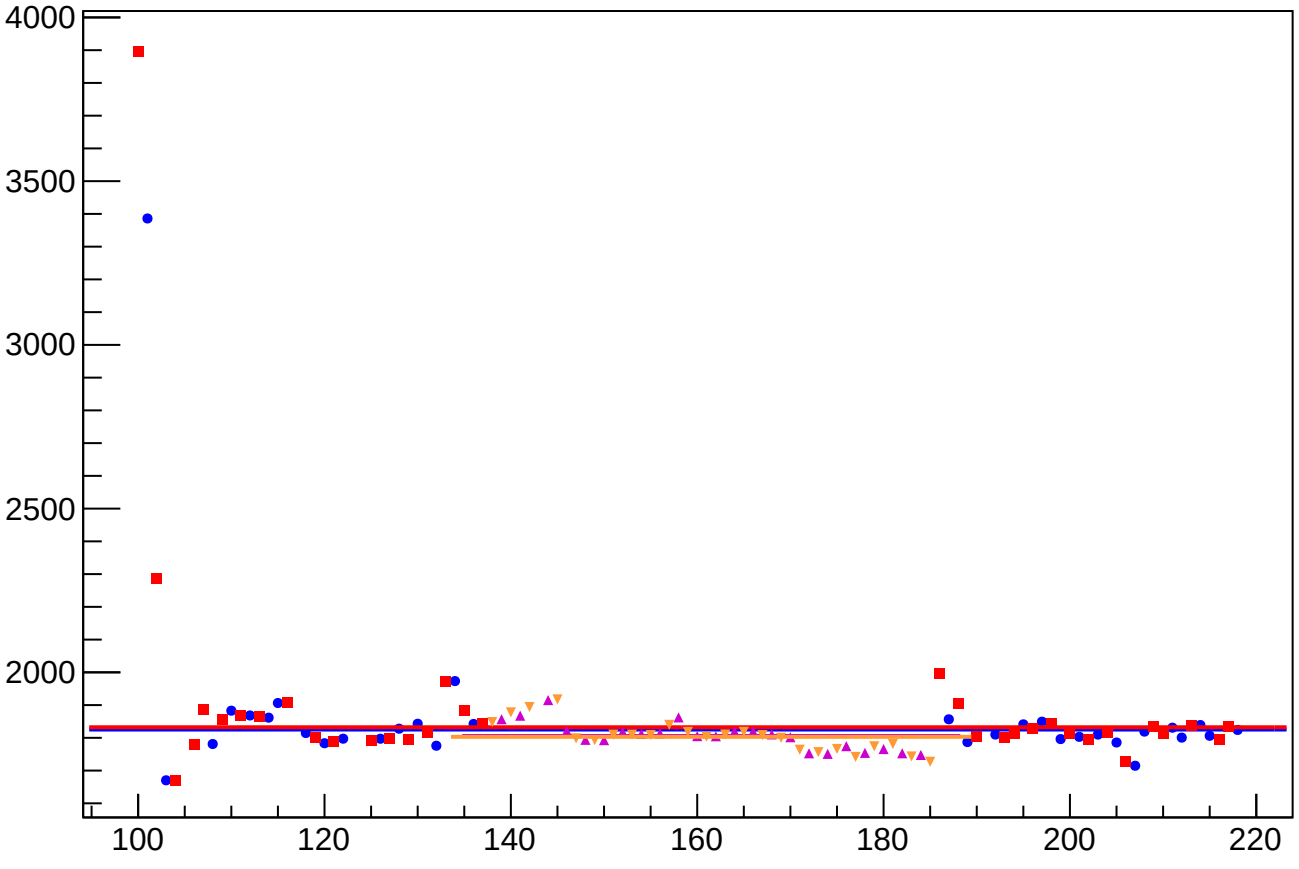
Left In: -4655.225+/-421.691 χ^2/NDF:27.7/22

+ sign 3964.468+/-292.100 χ^2/NDF: 39.6/55

All: -92.283+/-207.122 χ^2/NDF: 485.5/112

- sign -4194.639+/-293.737 χ^2/NDF: 58.1/56

eigen_cor_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1825.382+/-0.288 χ^2/NDF: 307931.7/31

Left Out: 1803.115+/-0.296 χ^2/NDF:20641.1/23

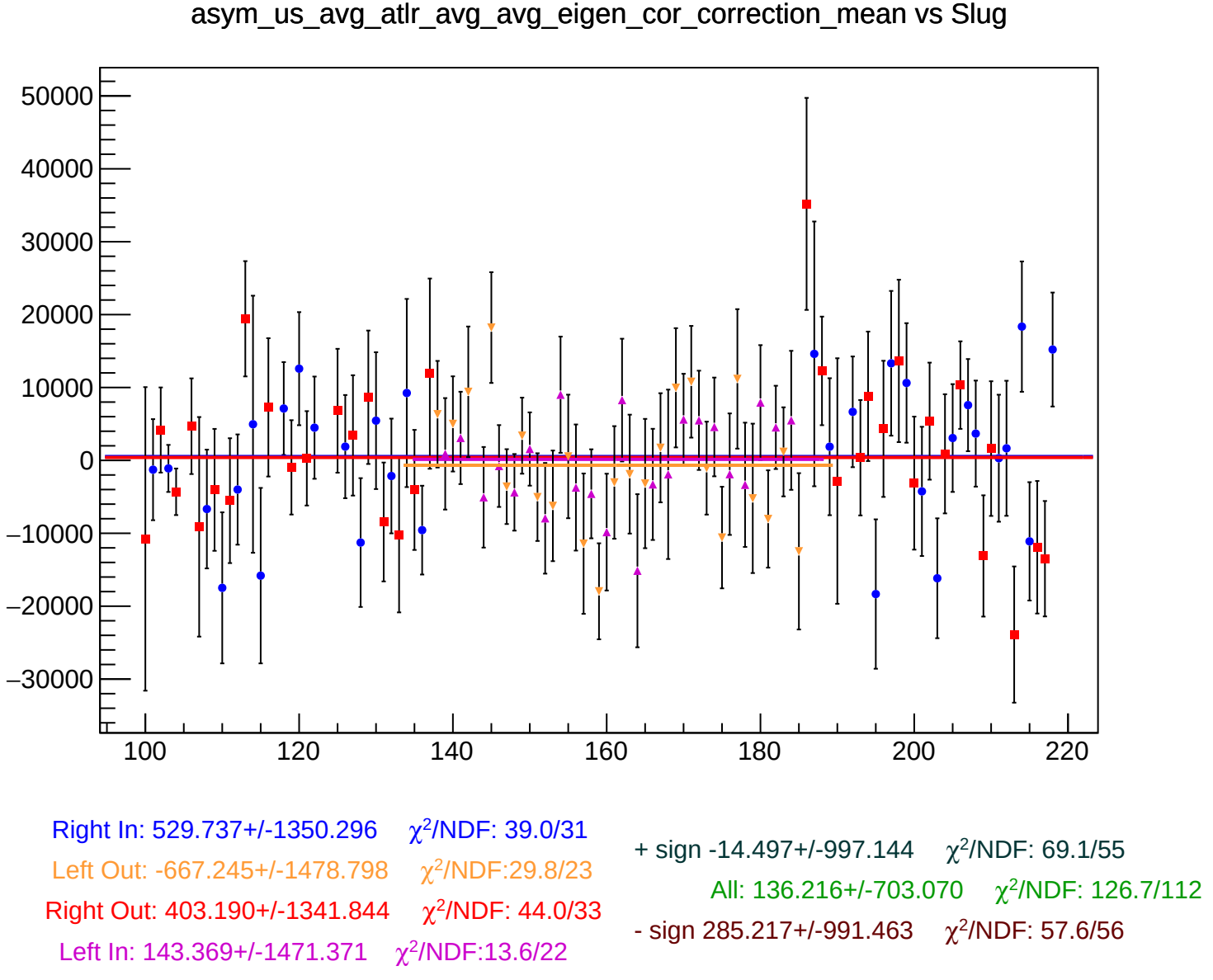
Right Out: 1832.252+/-0.289 χ^2/NDF: 121869.1/33

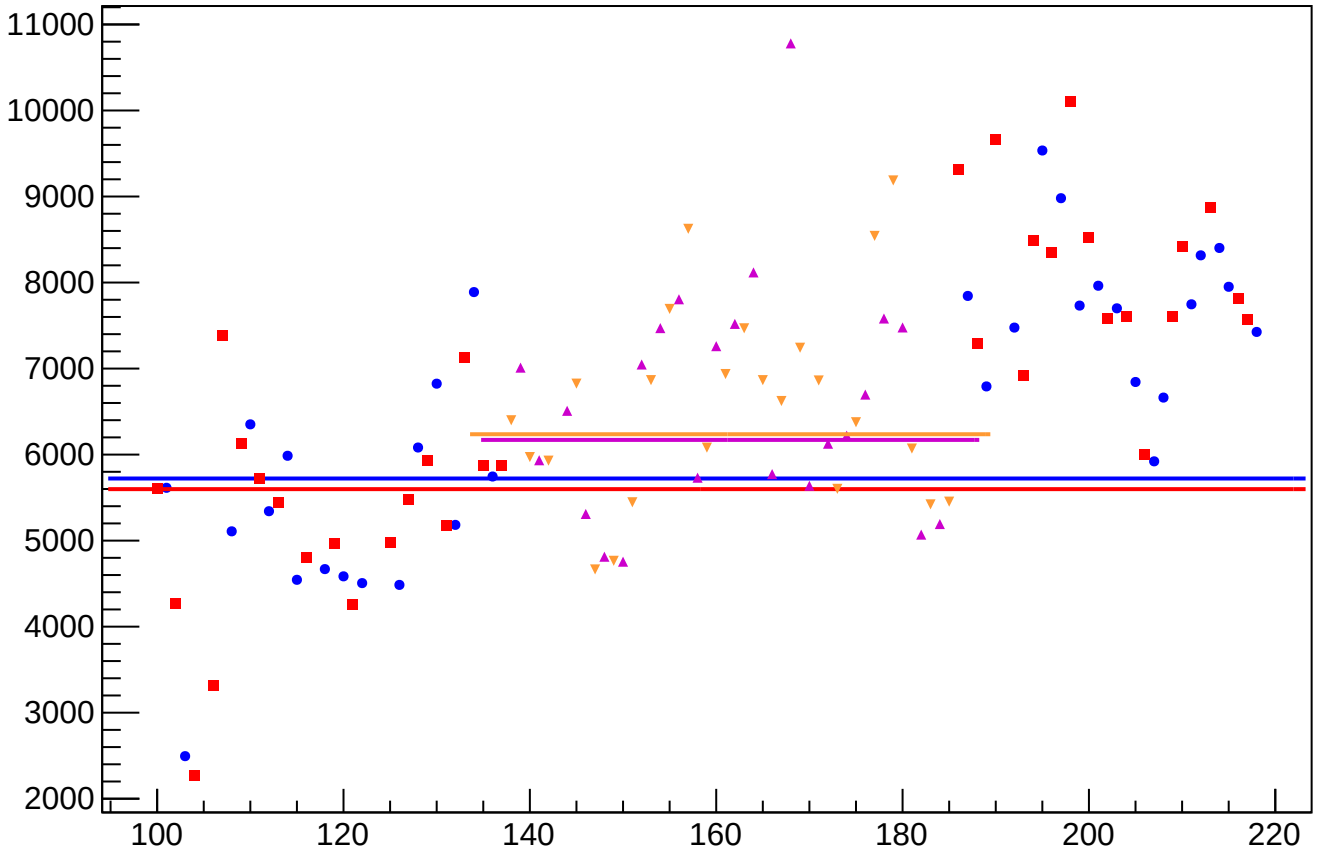
Left In: 1805.559+/-0.298 χ^2/NDF:19314.6/22

+ sign 1814.541+/-0.207 χ^2/NDF: 331476.6/55

All: 1816.915+/-0.146 χ^2/NDF: 477055.2/112

- sign 1819.313+/-0.208 χ^2/NDF: 145313.1/56


asym_us_avg_atlr_avg_avg_eigen_cor_correction_mean vs Slug
50000
40000
30000
20000
10000
0
−10000
−20000
−30000
100
120
140
160
180
200
220
Right In: 529.737+/-1350.296 χ²/NDF: 39.0/31
Left Out: -667.245+/-1478.798 χ²/NDF:29.8/23
Right Out: 403.190+/-1341.844 χ²/NDF: 44.0/33
Left In: 143.369+/-1471.371 χ²/NDF:13.6/22
+ sign -14.497+/-997.144 χ²/NDF: 69.1/55
All: 136.216+/-703.070 χ²/NDF: 126.7/112
- sign 285.217+/-991.463 χ²/NDF: 57.6/56



Right In: 5722.071+/-0.955 χ^2/NDF: 4146236.8/31

Left Out: 6236.635+/-1.046 χ^2/NDF:1067665.4/23

Right Out: 5598.538+/-0.949 χ^2/NDF: 5104456.7/33

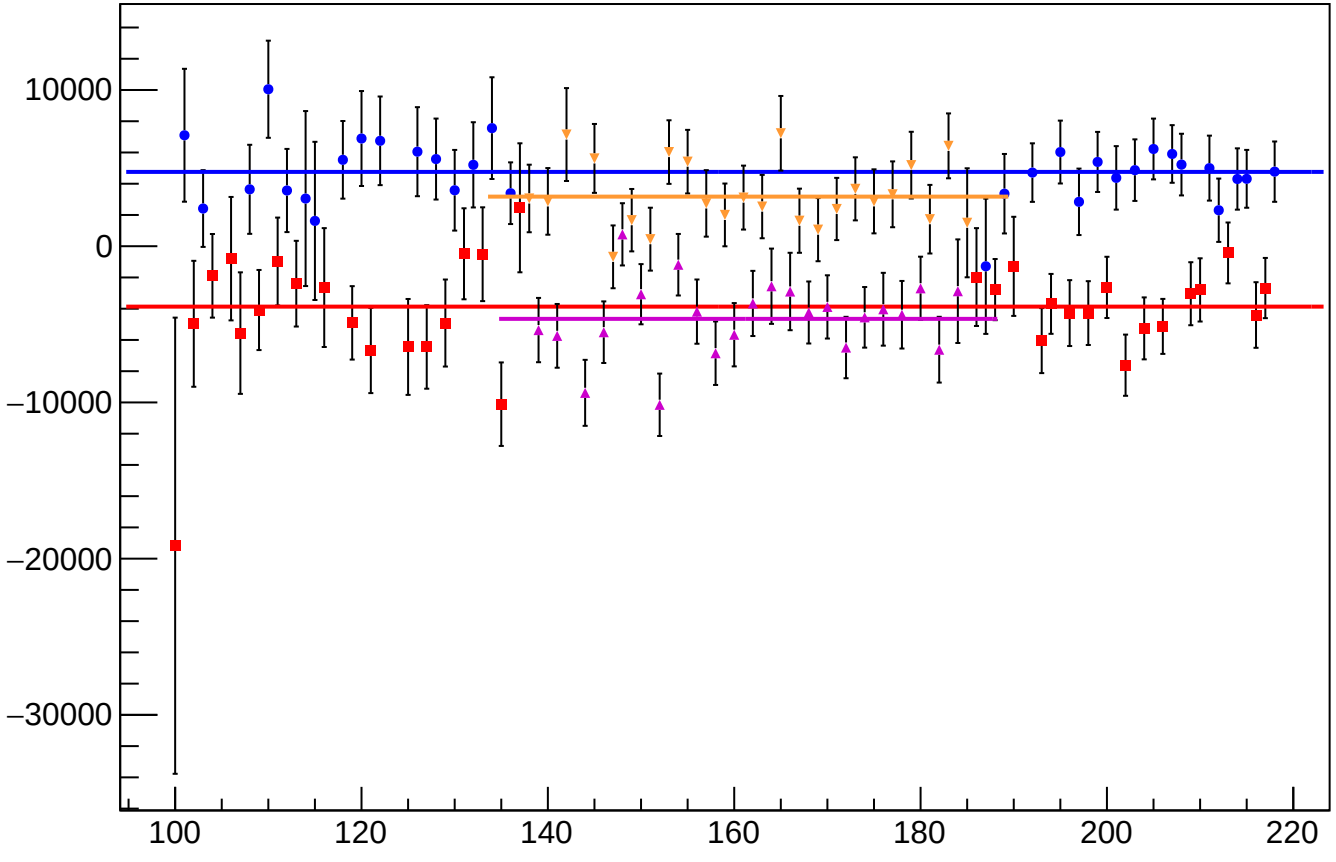
Left In: 6170.789+/-1.040 χ^2/NDF:1237564.5/22

+ sign 5956.029+/-0.705 χ^2/NDF: 5345955.2/55

All: 5906.921+/-0.497 χ^2/NDF: 11862783.8/1

- sign 5858.371+/-0.701 χ^2/NDF: 6507182.1/56

dit_asym_us_avg_atlr_avg_avg_mean vs Slug



Right In: 4757.050+/-415.190 χ^2/NDF: 14.0/31

Left Out: 3174.550+/-434.815 χ^2/NDF:21.6/23

Right Out: -3867.024+/-418.427 χ^2/NDF: 29.0/33

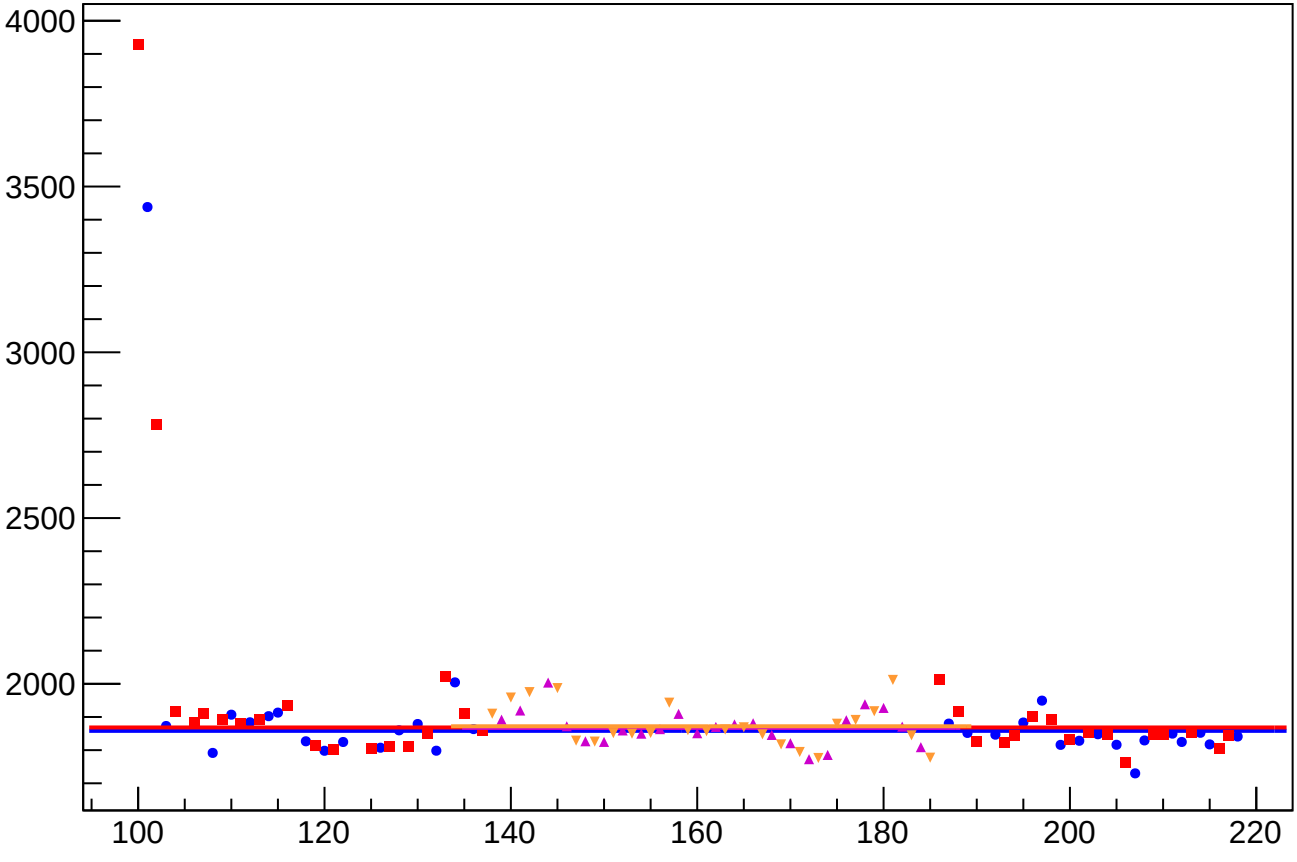
Left In: -4650.461+/-436.198 χ^2/NDF:30.5/22

+ sign 4002.318+/-300.282 χ^2/NDF: 42.5/55

All: -97.102+/-212.922 χ^2/NDF: 478.5/112

- sign -4242.459+/-301.960 χ^2/NDF: 61.2/56

dit_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1858.175+/-0.294 χ^2/NDF: 303670.3/31

Left Out: 1871.979+/-0.307 χ^2/NDF:37154.8/23

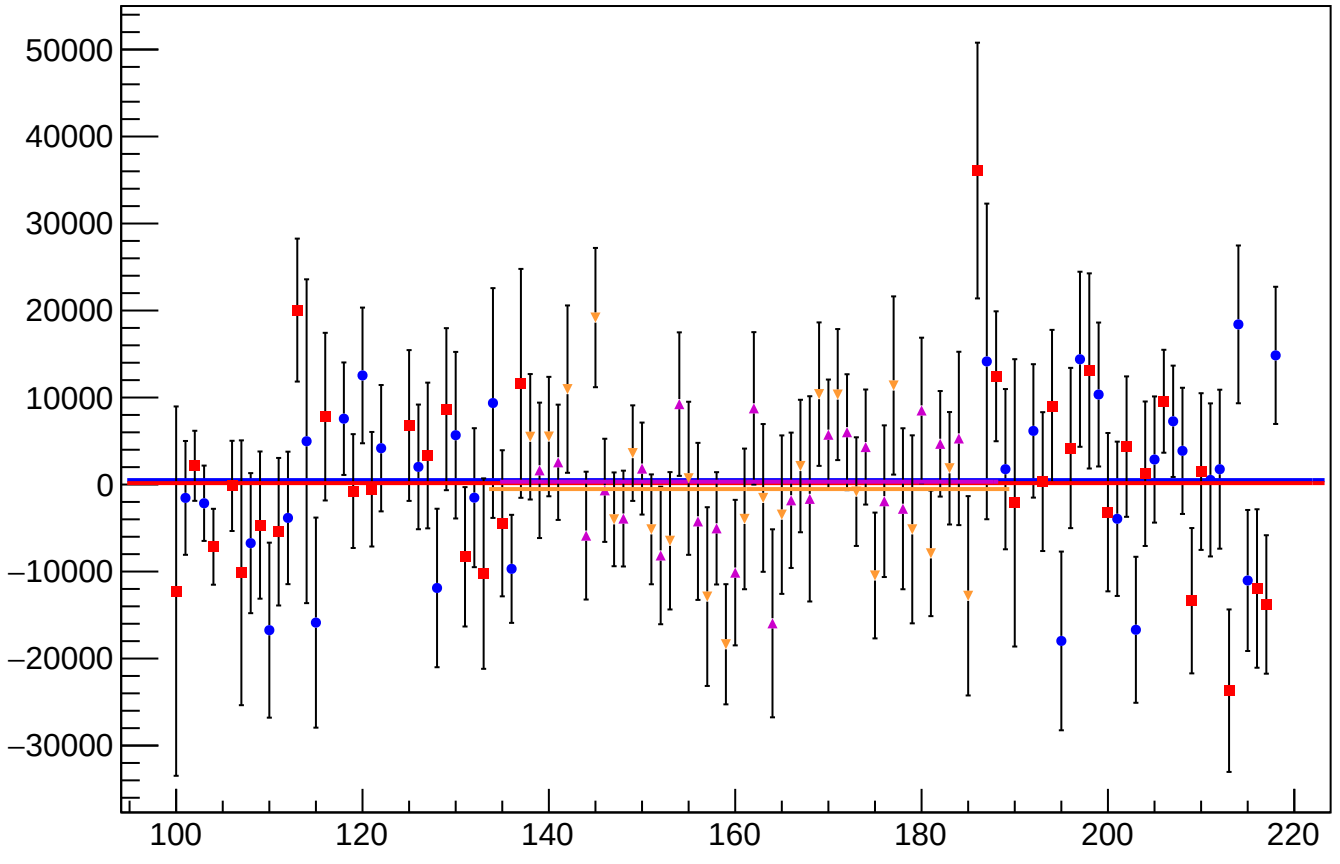
Right Out: 1868.403+/-0.296 χ^2/NDF: 173629.1/33

Left In: 1867.079+/-0.308 χ^2/NDF:27246.7/22

+ sign 1864.759+/-0.212 χ^2/NDF: 341879.6/55

All: 1866.256+/-0.151 χ^2/NDF: 542864.9/112

- sign 1867.769+/-0.213 χ^2/NDF: 200885.4/56



Right In: 509.797+/-1411.740 χ^2/NDF: 38.5/31

Left Out: -520.262+/-1536.784 χ^2/NDF:29.2/23

Right Out: 162.821+/-1345.835 χ^2/NDF: 44.0/33

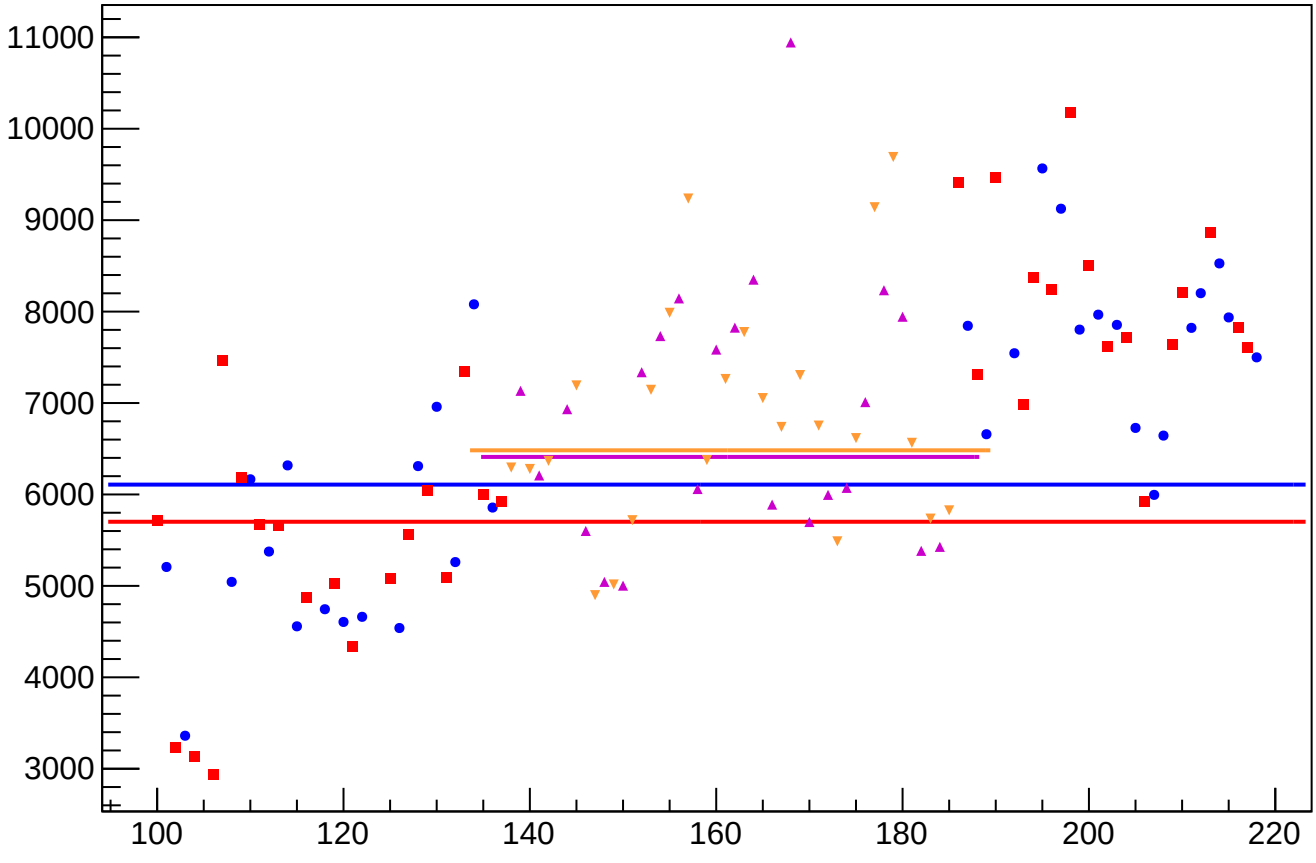
Left In: 324.625+/-1527.995 χ^2/NDF:13.4/22

\+ sign 38.373+/-1039.651 χ^2/NDF: 67.9/55

All: 138.768+/-724.413 χ^2/NDF: 125.3/112

\- sign 233.508+/-1009.943 χ^2/NDF: 57.4/56

asym_us_avg_atlr_avg_avg_dit_correction_rms vs Slug



Right In: 6107.747+/-0.998 χ^2/NDF: 2629759.6/31

Left Out: 6482.730+/-1.087 χ^2/NDF:1074584.9/23

Right Out: 5701.398+/-0.952 χ^2/NDF: 4417750.4/33

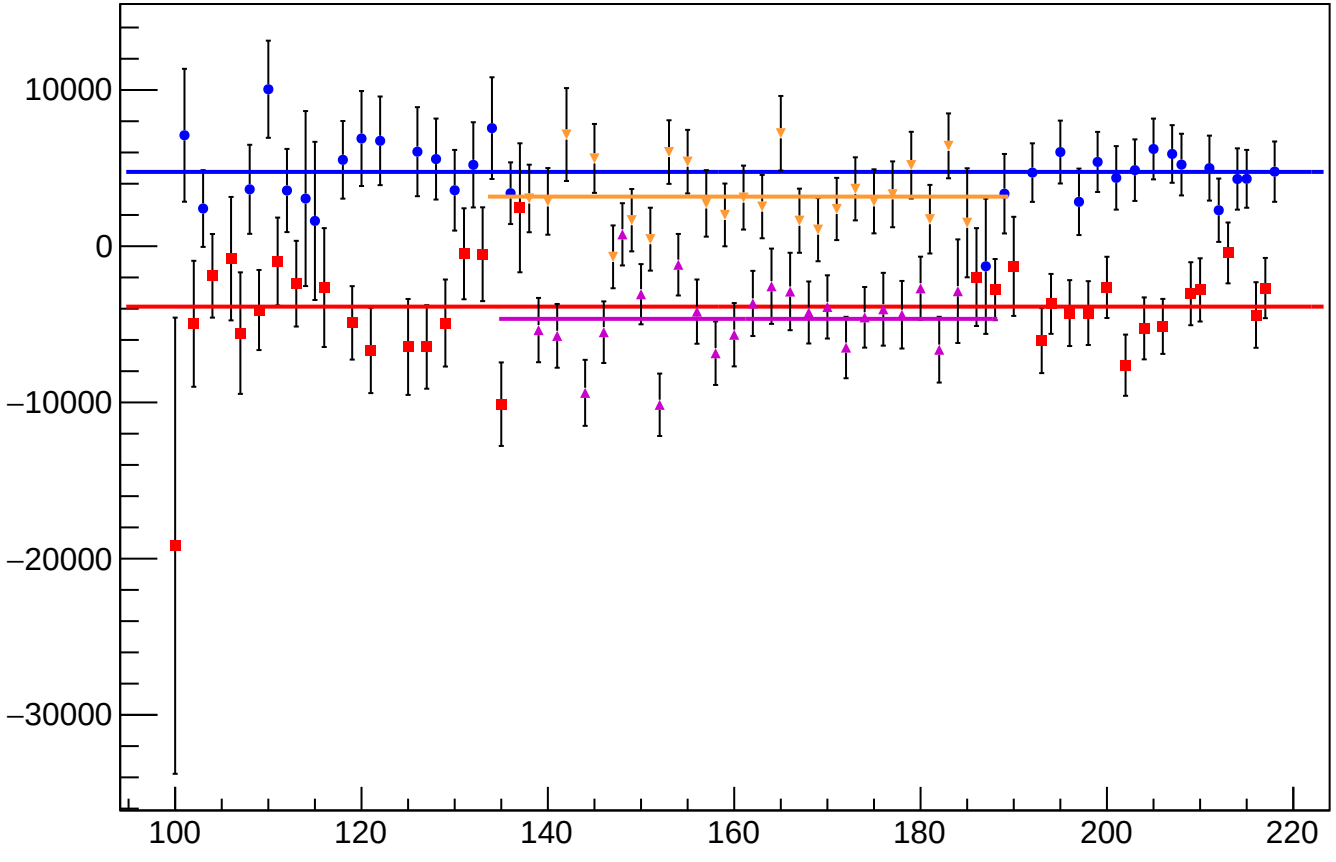
Left In: 6410.419+/-1.080 χ^2/NDF:1219830.0/22

+ sign 6279.364+/-0.735 χ^2/NDF: 3768923.6/55

All: 6141.369+/-0.512 χ^2/NDF: 9717492.7/11

- sign 6011.146+/-0.714 χ^2/NDF: 5880082.0/56

eigen_dit_asym_us_avg_atlr_avg_avg_mean vs Slug



Right In: 4757.047+/-415.190 χ^2/NDF: 14.0/31

Left Out: 3174.543+/-434.815 χ^2/NDF:21.6/23

Right Out: -3867.023+/-418.427 χ^2/NDF: 29.0/33

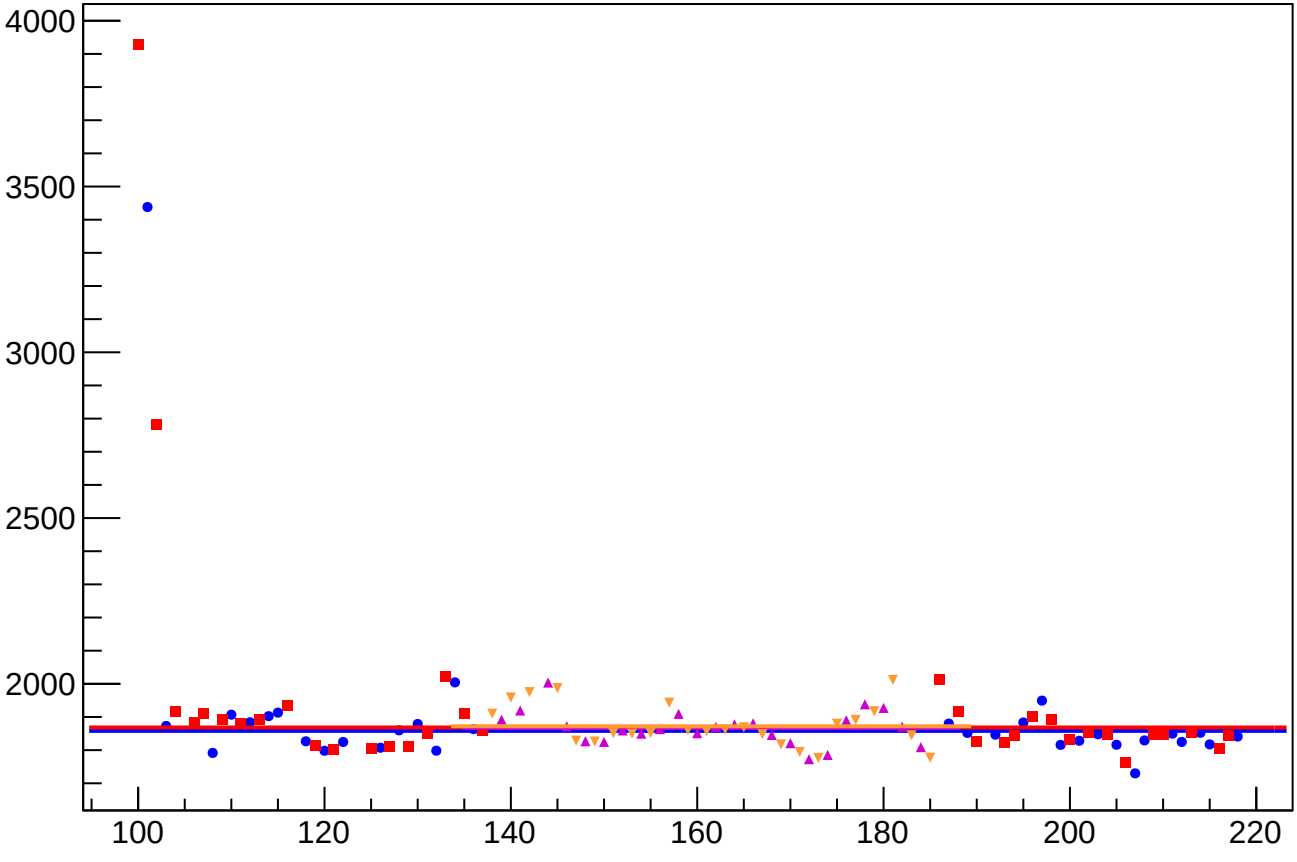
Left In: -4650.462+/-436.198 χ^2/NDF:30.5/22

+ sign 4002.314+/-300.282 χ^2/NDF: 42.5/55

All: -97.104+/-212.922 χ^2/NDF: 478.5/112

- sign -4242.459+/-301.960 χ^2/NDF: 61.2/56

eigen_dit_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1858.175+/-0.294 χ^2/NDF: 303670.3/31

Left Out: 1871.981+/-0.307 χ^2/NDF:37155.9/23

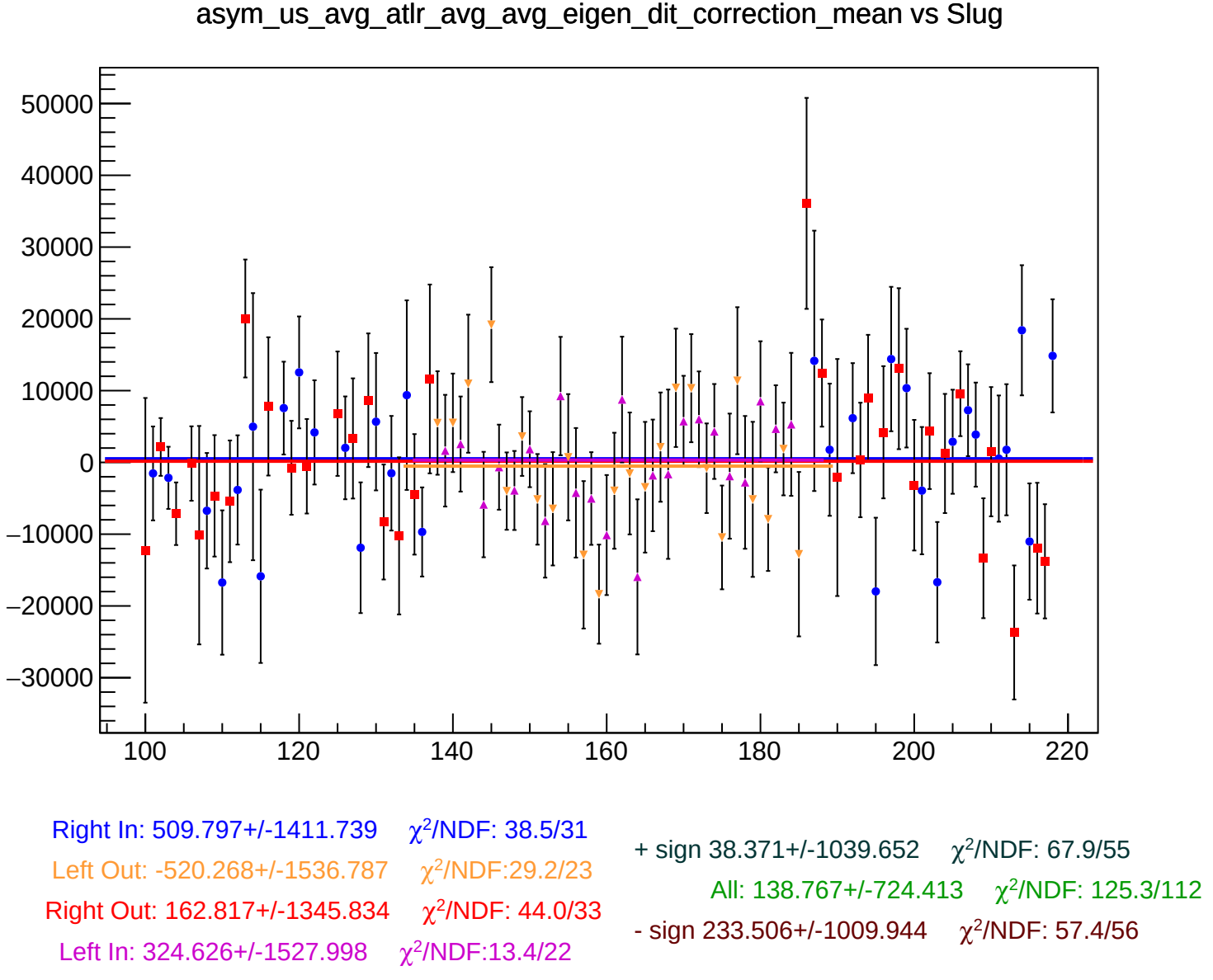
Right Out: 1868.403+/-0.296 χ^2/NDF: 173628.2/33

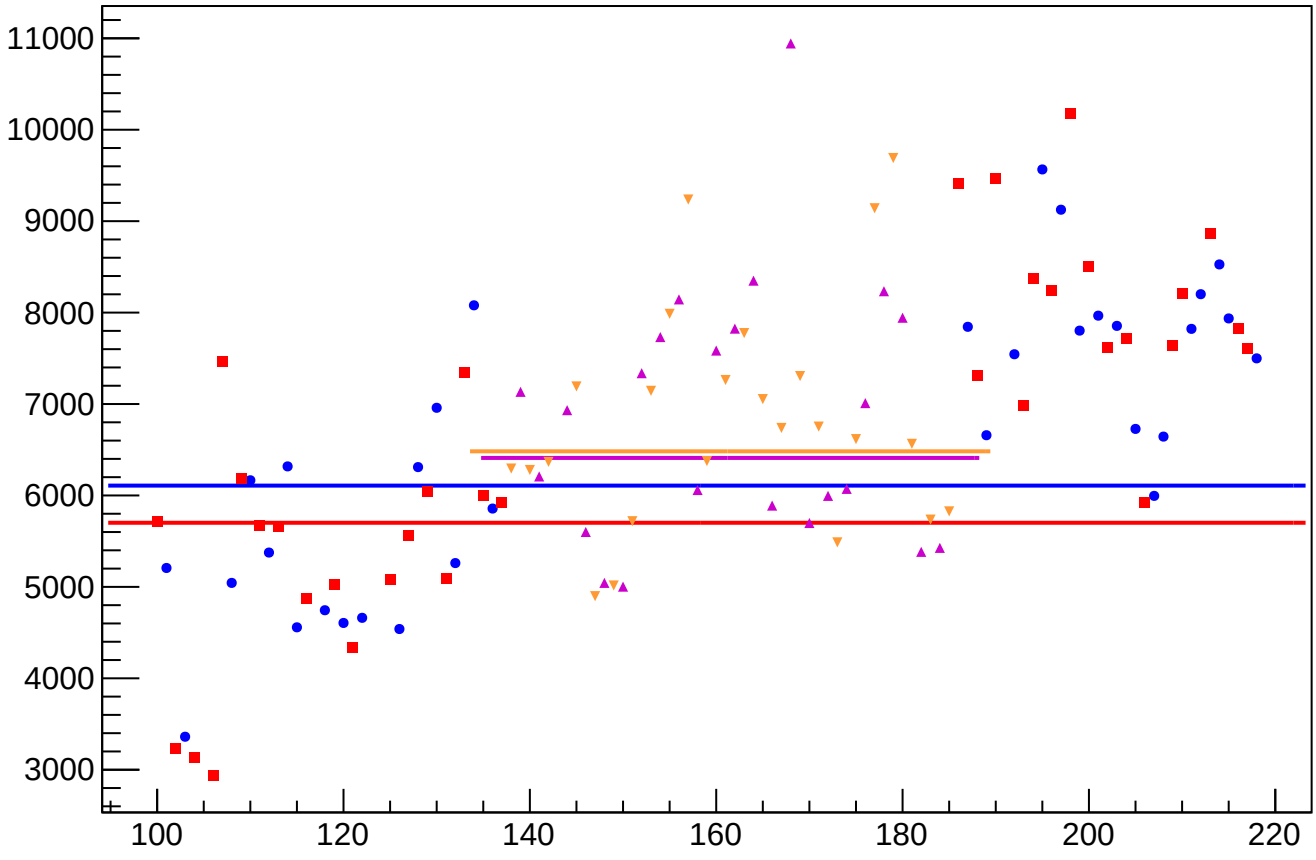
Left In: 1867.080+/-0.308 χ^2/NDF:27247.8/22

+ sign 1864.759+/-0.212 χ^2/NDF: 341880.9/55

All: 1866.256+/-0.151 χ^2/NDF: 542866.5/112

- sign 1867.769+/-0.213 χ^2/NDF: 200885.7/56


asym_us_avg_atlr_avg_avg_eigen_dit_correction_mean vs Slug
50000
40000
30000
20000
10000
0
−10000
−20000
−30000
100
120
140
160
180
200
220
Right In: 509.797+/-1411.739 χ²/NDF: 38.5/31
Left Out: -520.268+/-1536.787 χ²/NDF:29.2/23
Right Out: 162.817+/-1345.834 χ²/NDF: 44.0/33
Left In: 324.626+/-1527.998 χ²/NDF:13.4/22
+ sign 38.371+/-1039.652 χ²/NDF: 67.9/55
All: 138.767+/-724.413 χ²/NDF: 125.3/112
- sign 233.506+/-1009.944 χ²/NDF: 57.4/56



Right In: 6107.741+/-0.998 χ^2/NDF: 2629795.3/31

Left Out: 6482.740+/-1.087 χ^2/NDF:1074587.3/23

Right Out: 5701.389+/-0.952 χ^2/NDF: 4417787.1/33

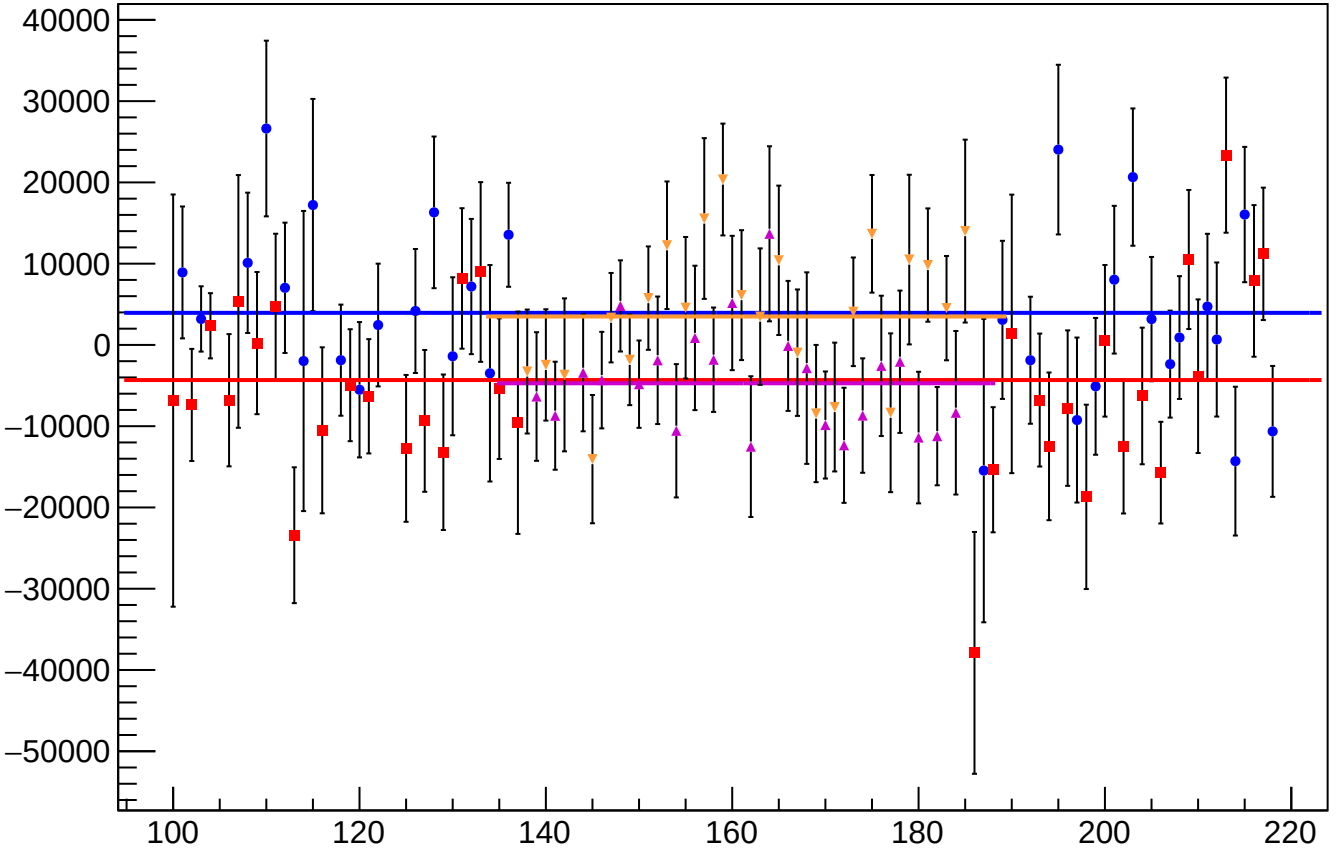
Left In: 6410.429+/-1.080 χ^2/NDF:1219833.0/22

+ sign 6279.365+/-0.735 χ^2/NDF: 3768967.6/55

All: 6141.368+/-0.512 χ^2/NDF: 9717590.4/11

- sign 6011.145+/-0.714 χ^2/NDF: 5880134.5/56

asym_us_avg_atlr_avg_avg_mean vs Slug



Right In: 3949.443+/-1454.791 χ^2/NDF: 36.3/31

Left Out: 3497.162+/-1545.839 χ^2/NDF:27.5/23

Right Out: -4321.766+/-1458.796 χ^2/NDF: 47.4/33

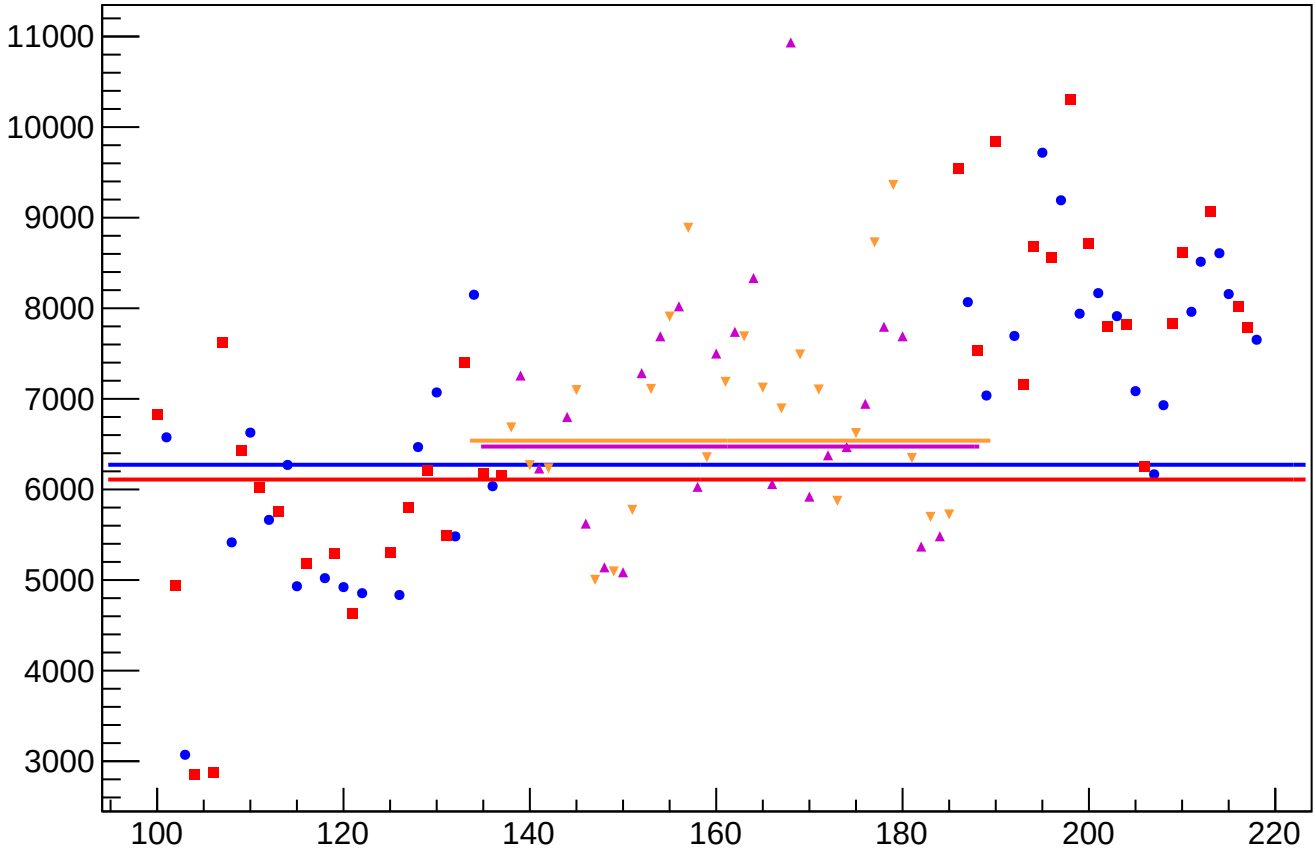
Left In: -4719.535+/-1539.177 χ^2/NDF:14.3/22

\+ sign 3737.013+/-1059.419 χ^2/NDF: 63.8/55

All: -388.894+/-748.904 χ^2/NDF: 155.9/112

\- sign -4509.993+/-1058.801 χ^2/NDF: 61.7/56

asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 6272.562+/-1.029 χ^2/NDF: 2895829.3/31

Left Out: 6538.706+/-1.093 χ^2/NDF:920612.0/23

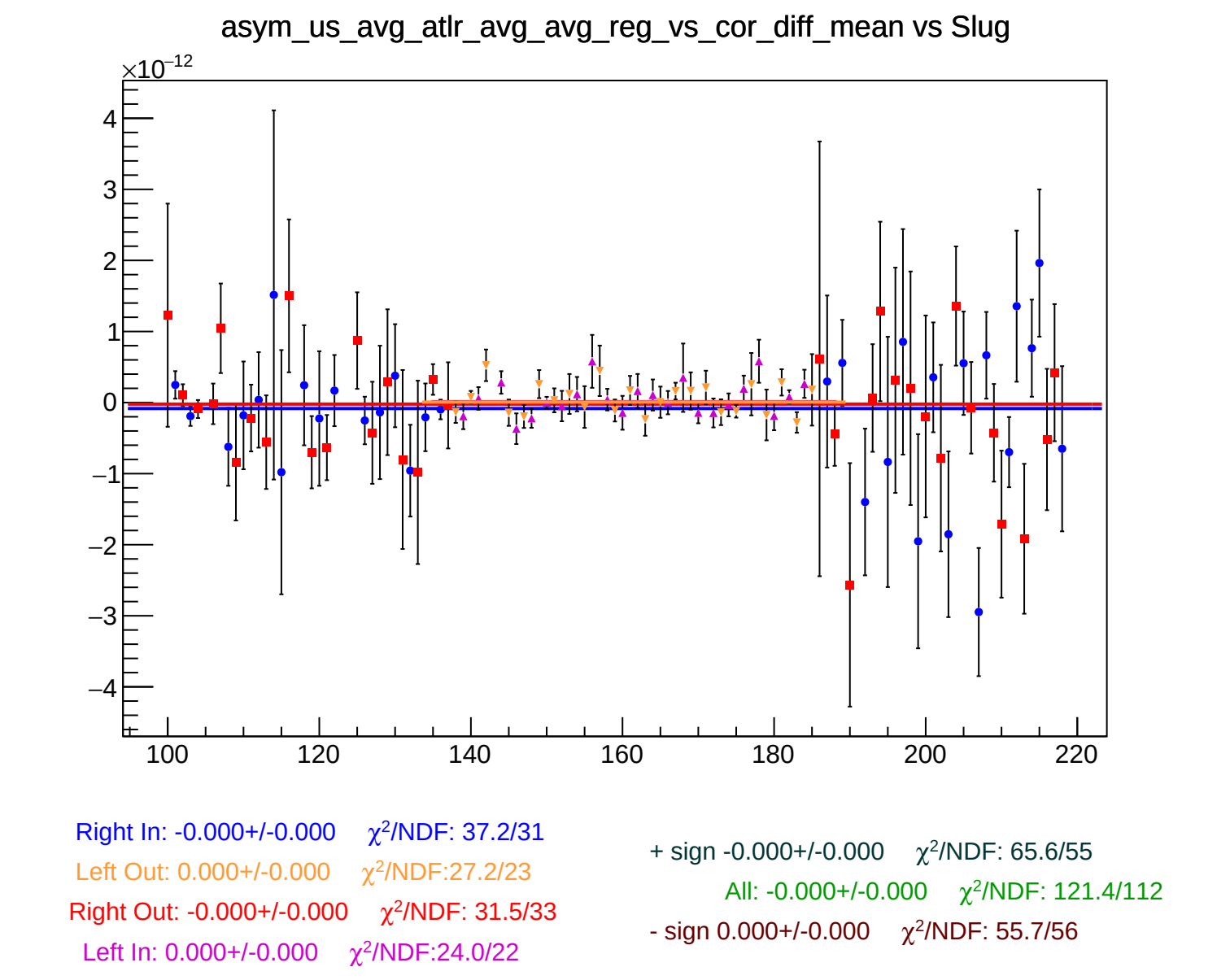
Right Out: 6109.487+/-1.019 χ^2/NDF: 3916269.7/33

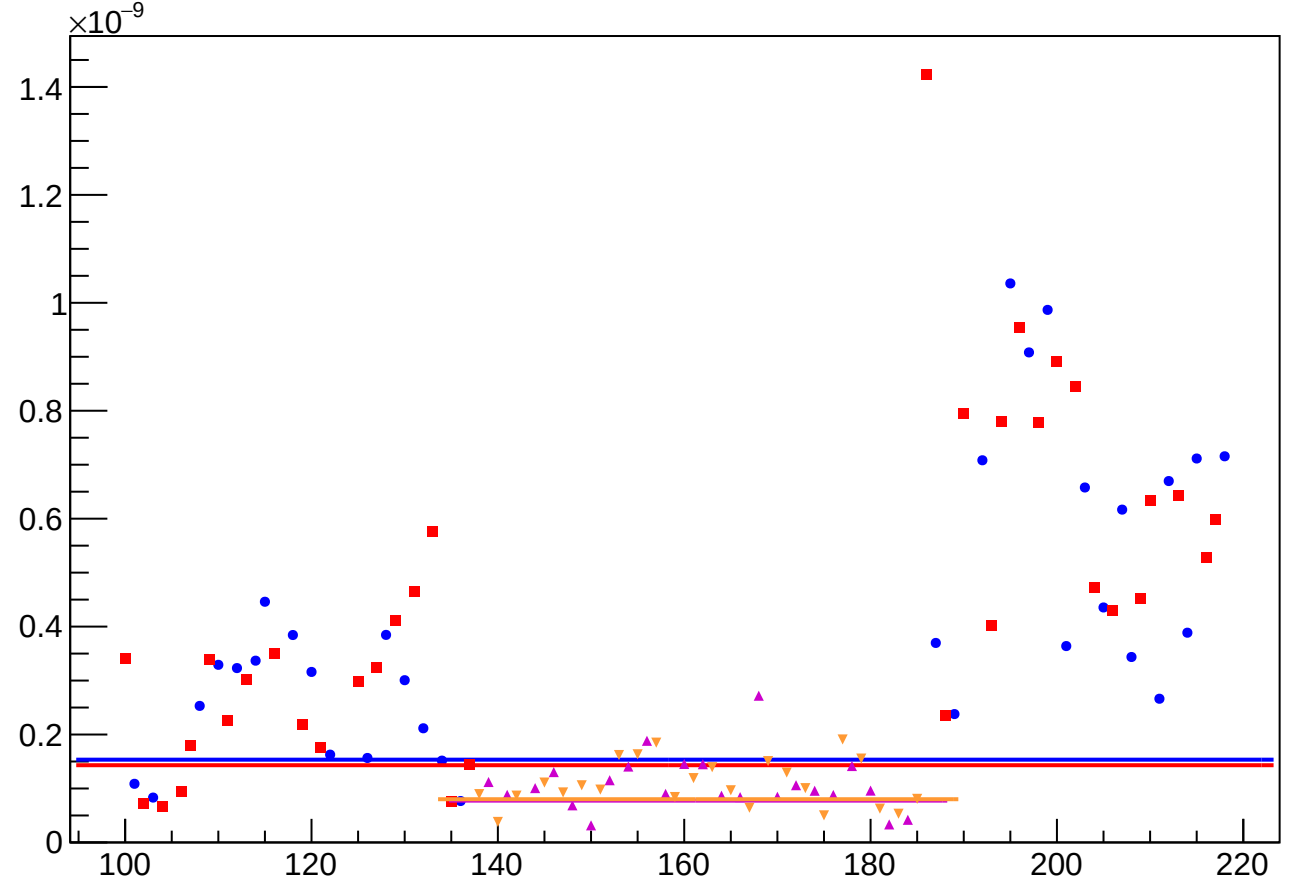
Left In: 6473.481+/-1.088 χ^2/NDF:1071757.3/22

\+ sign 6397.565+/-0.749 χ^2/NDF: 3847880.6/55

All: 6338.171+/-0.528 χ^2/NDF: 8907976.4/11

\- sign 6279.585+/-0.744 χ^2/NDF: 5047609.0/56


asym_us_avg_atlr_avg_avg_reg_vs_cor_diff_mean vs Slug
×10^−12
4
3
2
1
0
−1
−2
−3
−4
100
120
140
160
180
200
220
Right In: -0.000+/-0.000 χ²/NDF: 37.2/31
Left Out: 0.000+/-0.000 χ²/NDF:27.2/23
Right Out: -0.000+/-0.000 χ²/NDF: 31.5/33
Left In: 0.000+/-0.000 χ²/NDF:24.0/22
+ sign -0.000+/-0.000 χ²/NDF: 65.6/55
All: -0.000+/-0.000 χ²/NDF: 121.4/112
- sign 0.000+/-0.000 χ²/NDF: 55.7/56



Right In: 0.000+/-0.000 χ^2/NDF: 7700173.8/31

Left Out: 0.000+/-0.000 χ^2/NDF:2153227.2/23

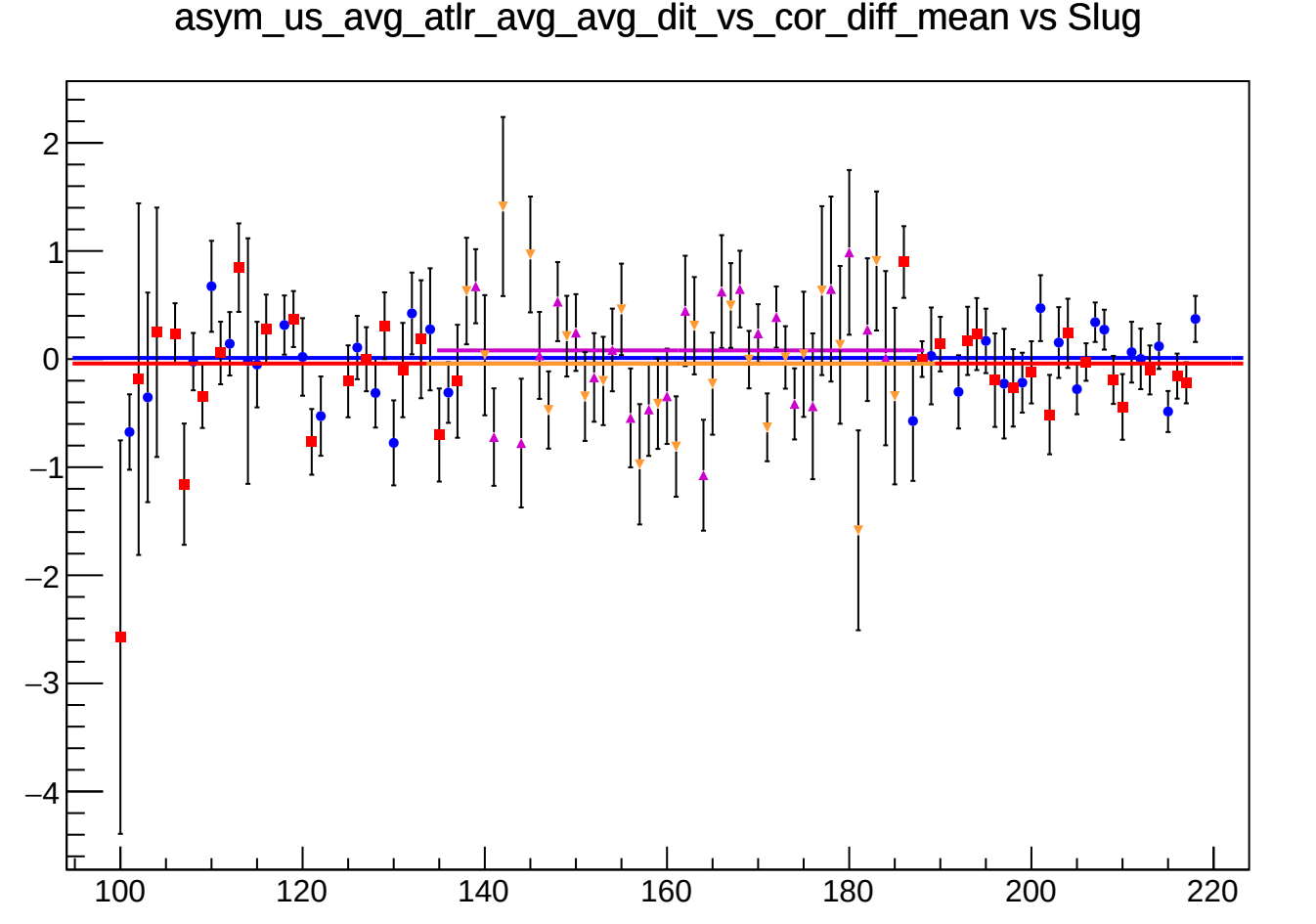
Right Out: 0.000+/-0.000 χ^2/NDF: 8773852.9/33

Left In: 0.000+/-0.000 χ^2/NDF:2642331.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 11491715.6/55

All: 0.000+/-0.000 χ^2/NDF: 24246858.2/112

- sign 0.000+/-0.000 χ^2/NDF: 12735722.9/56



Right In: 0.011+/-0.052 χ^2/NDF: 40.4/31

Left Out: -0.043+/-0.090 χ^2/NDF:31.0/23

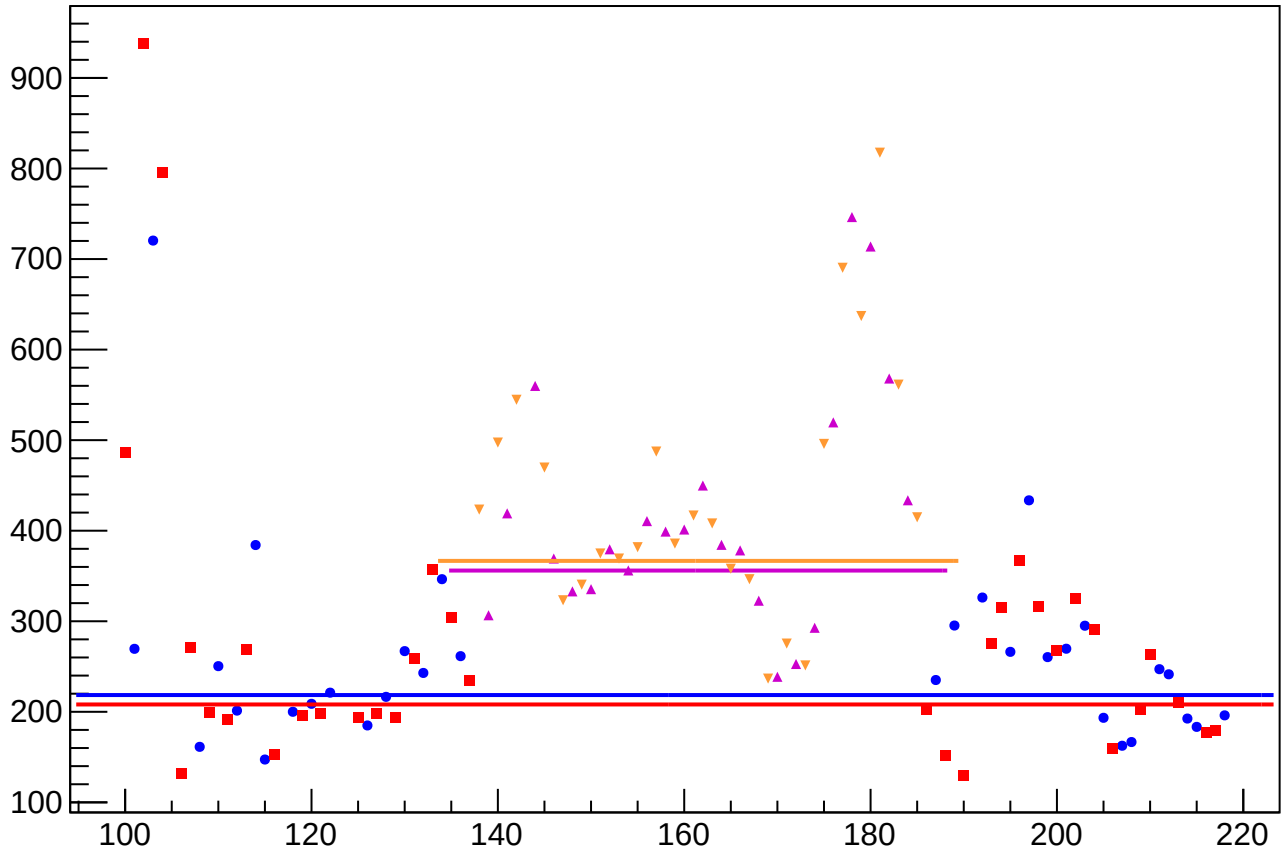
Right Out: -0.041+/-0.051 χ^2/NDF: 42.4/33

Left In: 0.080+/-0.088 χ^2/NDF:30.3/22

+ sign -0.003+/-0.045 χ^2/NDF: 71.6/55

All: -0.007+/-0.031 χ^2/NDF: 145.8/112

- sign -0.011+/-0.044 χ^2/NDF: 74.1/56



Right In: 218.508+/-0.037 χ^2/NDF: 2432429.9/31

Left Out: 366.670+/-0.064 χ^2/NDF:2841071.8/23

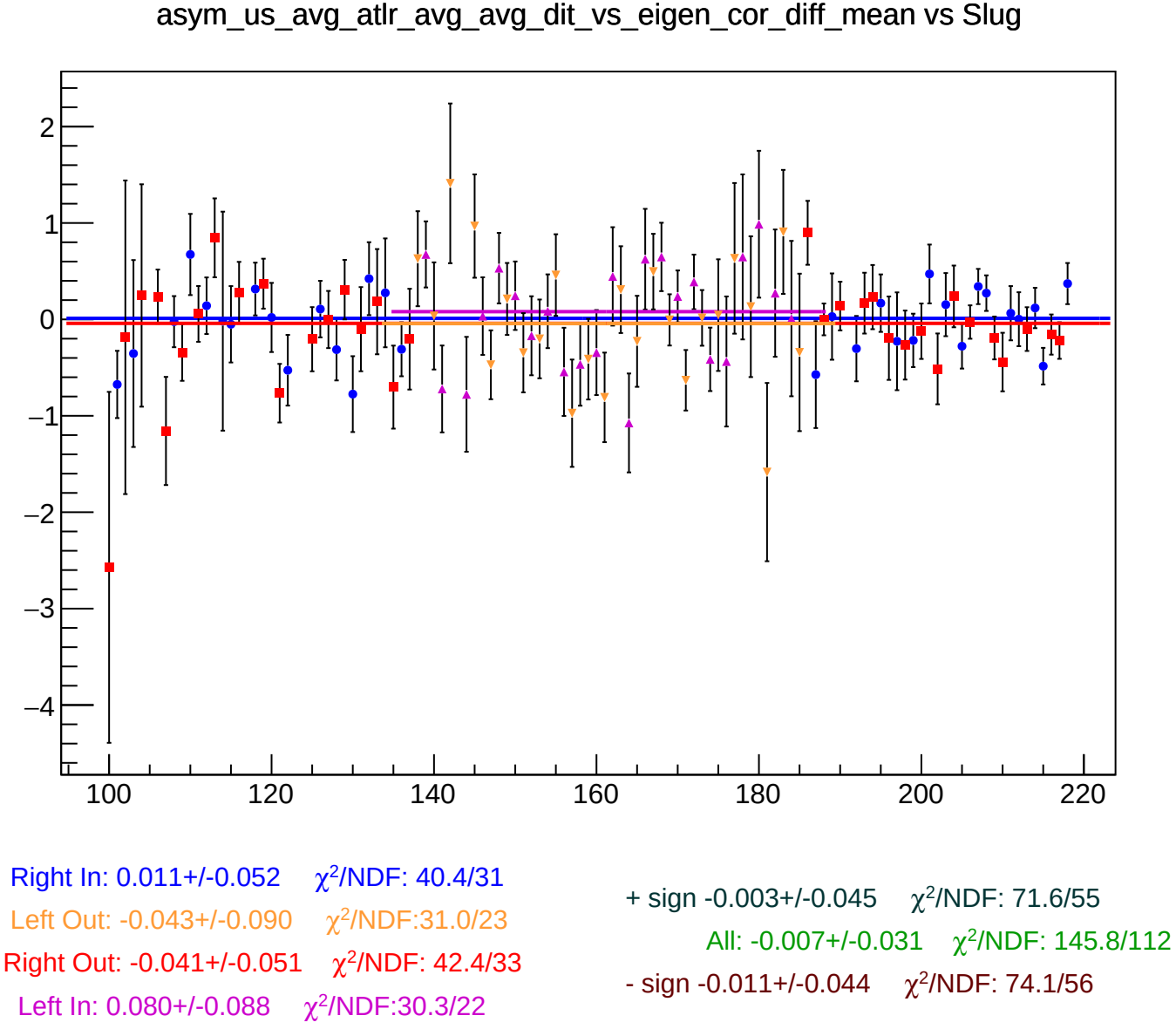
Right Out: 208.109+/-0.036 χ^2/NDF: 3467809.1/33

Left In: 355.992+/-0.062 χ^2/NDF:2420701.1/22

+ sign 255.428+/-0.032 χ^2/NDF: 9302156.9/55

All: 250.146+/-0.022 χ^2/NDF: 19499881.2/11

- sign 245.147+/-0.031 χ^2/NDF: 10144451.4/56


asym_us_avg_atlr_avg_avg_dit_vs_eigen_cor_diff_mean vs Slug
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100
120
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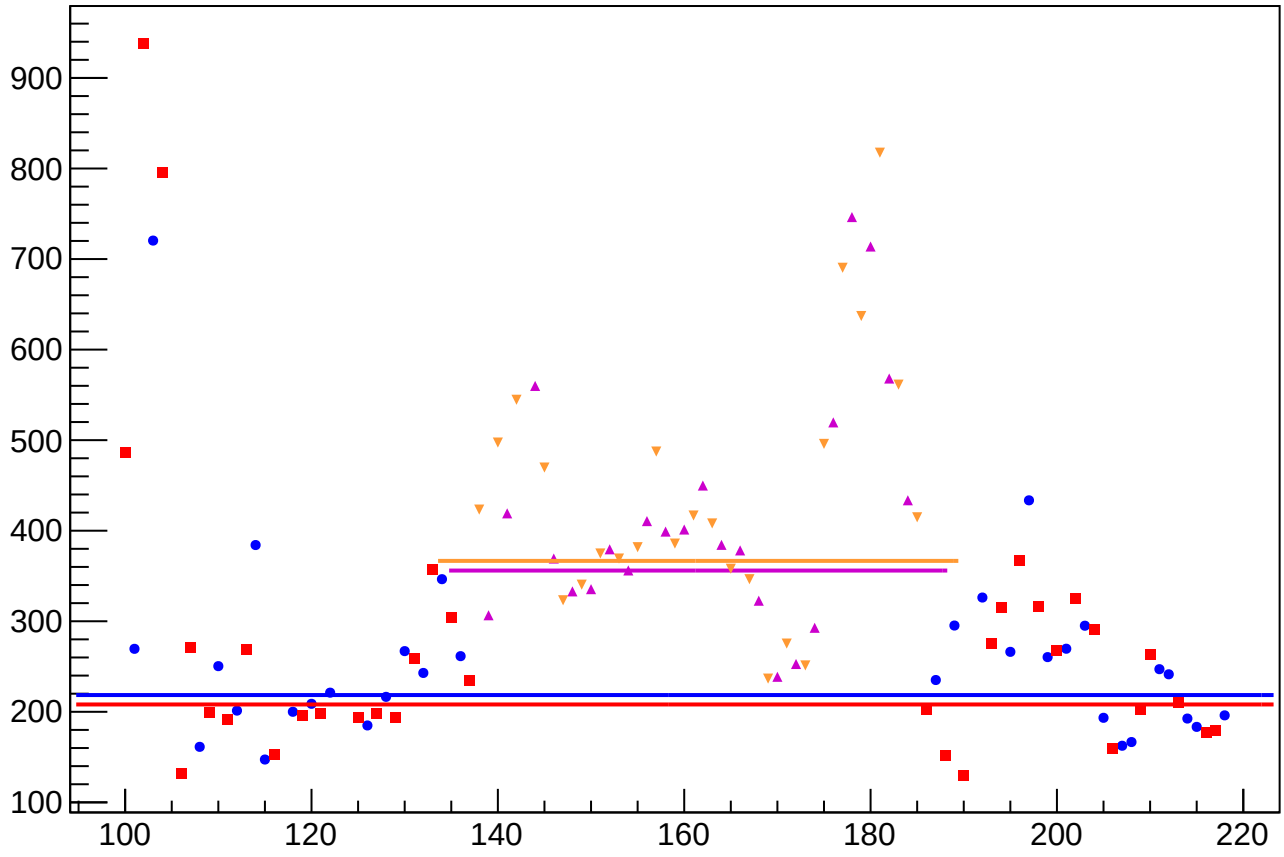
180
200
220
Right In: 0.011+/-0.052 χ²/NDF: 40.4/31
Left Out: -0.043+/-0.090 χ²/NDF:31.0/23
Right Out: -0.041+/-0.051 χ²/NDF: 42.4/33
Left In: 0.080+/-0.088 χ²/NDF:30.3/22
+ sign -0.003+/-0.045 χ²/NDF: 71.6/55
All: -0.007+/-0.031 χ²/NDF: 145.8/112
- sign -0.011+/-0.044 χ²/NDF: 74.1/56



Right In: 218.508+/-0.037 χ^2/NDF: 2432429.9/31

Left Out: 366.670+/-0.064 χ^2/NDF:2841071.8/23

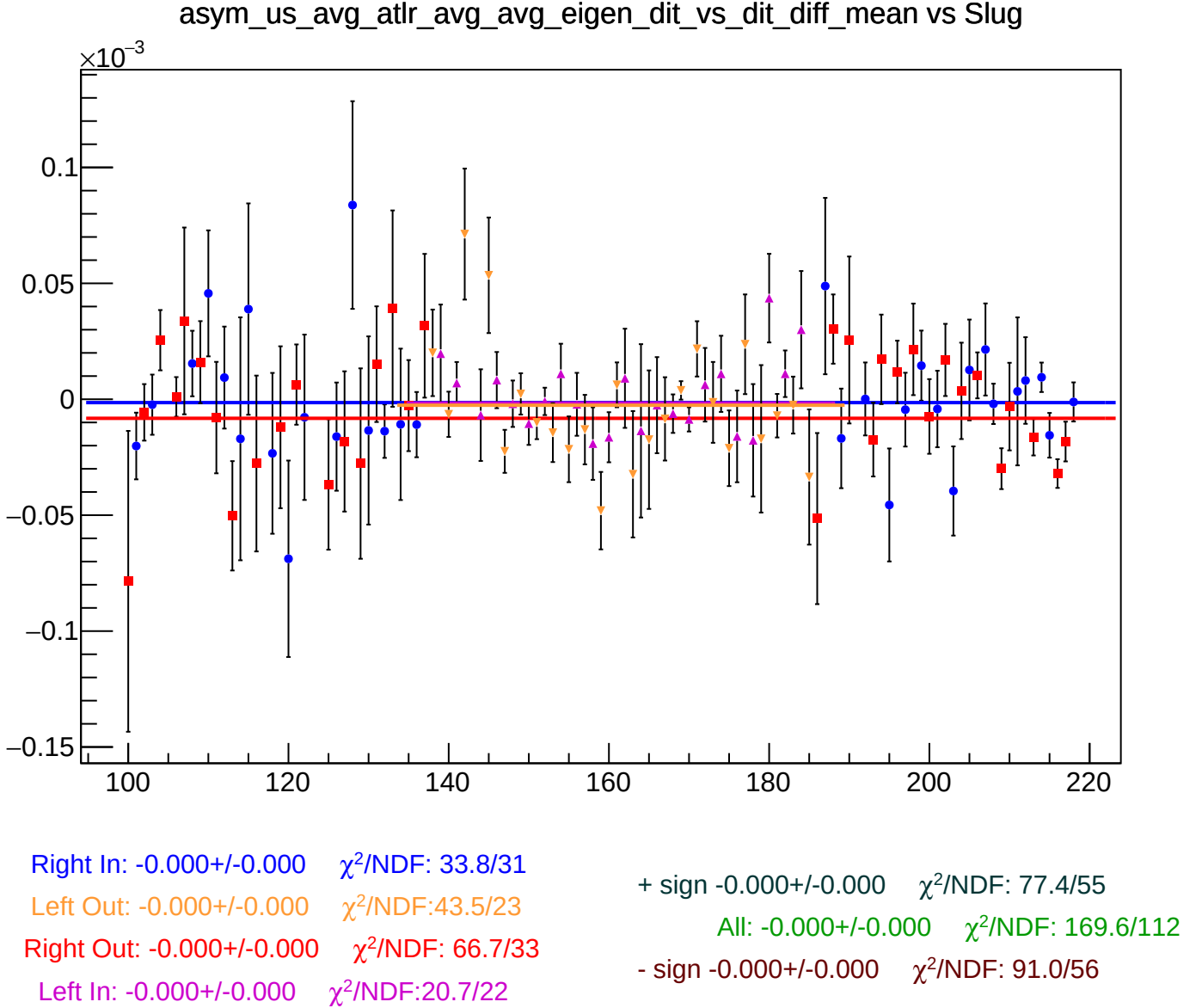
Right Out: 208.109+/-0.036 χ^2/NDF: 3467809.1/33

Left In: 355.992+/-0.062 χ^2/NDF:2420701.1/22

+ sign 255.428+/-0.032 χ^2/NDF: 9302156.9/55

All: 250.146+/-0.022 χ^2/NDF: 19499881.2/11

- sign 245.147+/-0.031 χ^2/NDF: 10144451.4/56


asym_us_avg_atlr_avg_avg_eigen_dit_vs_dit_diff_mean vs Slug
×10⁻³
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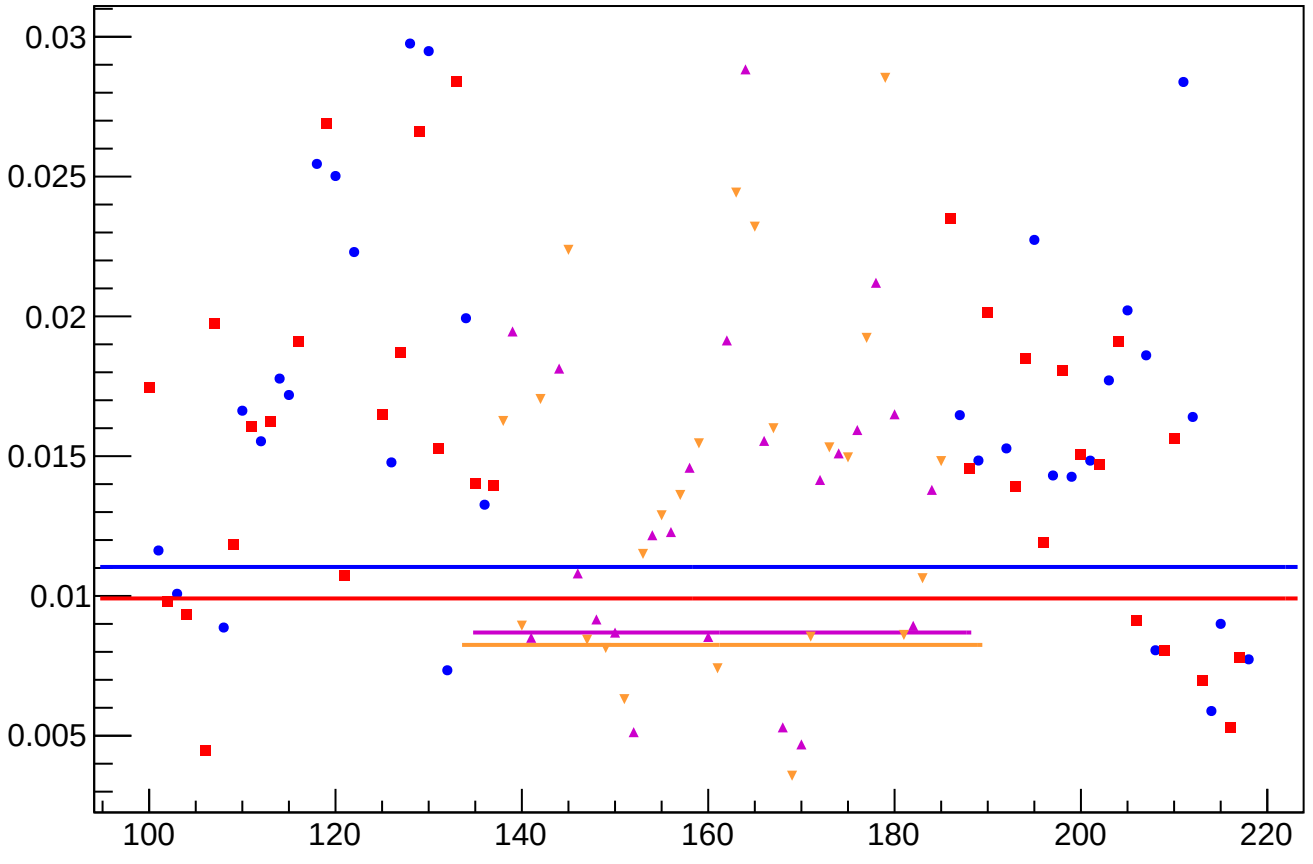
220
Right In: -0.000+/-0.000 χ²/NDF: 33.8/31
Left Out: -0.000+/-0.000 χ²/NDF:43.5/23
Right Out: -0.000+/-0.000 χ²/NDF: 66.7/33
Left In: -0.000+/-0.000 χ²/NDF:20.7/22
+ sign -0.000+/-0.000 χ²/NDF: 77.4/55
All: -0.000+/-0.000 χ²/NDF: 169.6/112
- sign -0.000+/-0.000 χ²/NDF: 91.0/56



Right In: 0.011+/-0.000 χ^2/NDF: 6861906.3/31

Left Out: 0.008+/-0.000 χ^2/NDF:8879581.2/23

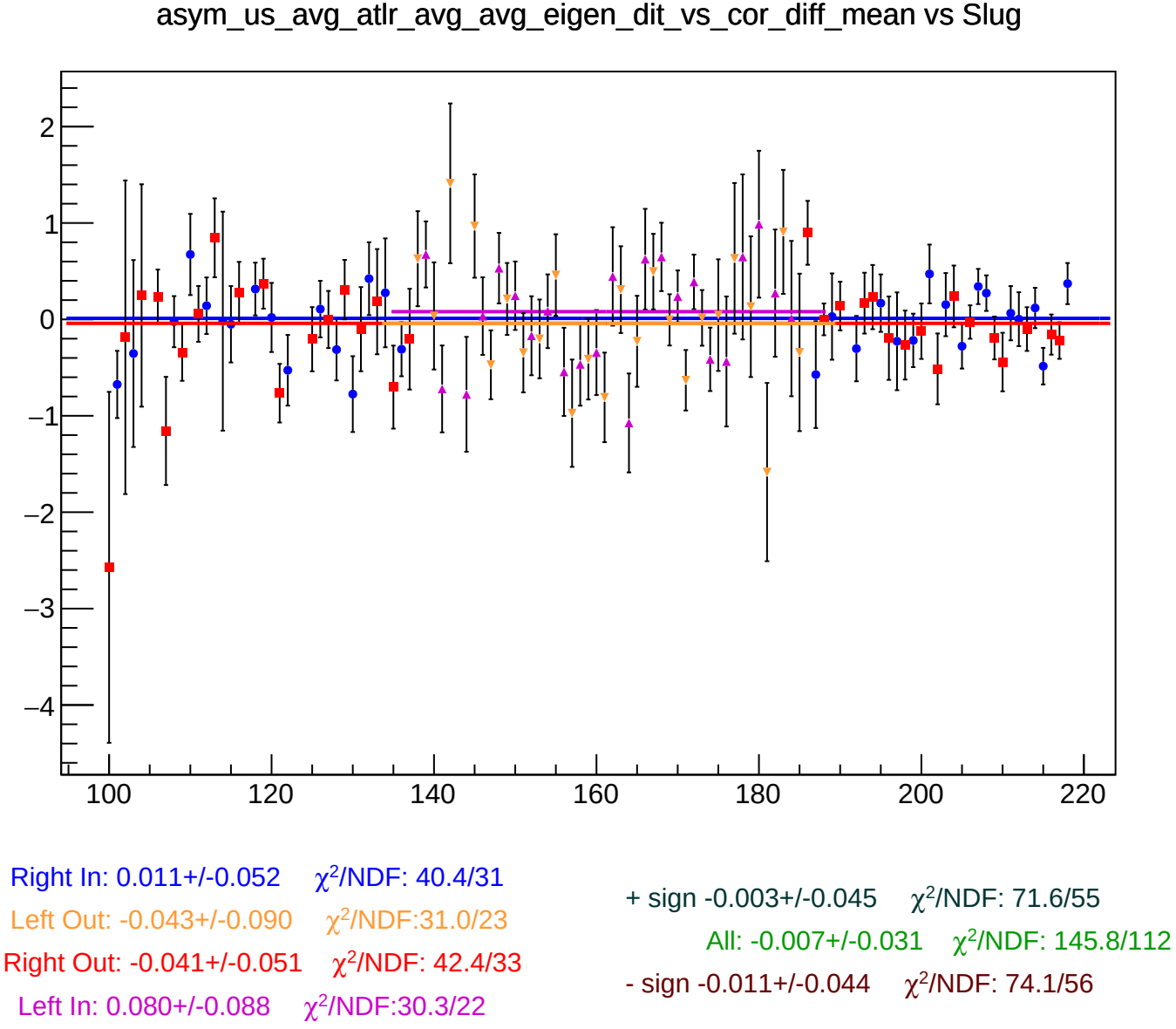
Right Out: 0.010+/-0.000 χ^2/NDF: 7175273.0/33

Left In: 0.009+/-0.000 χ^2/NDF:6875072.4/22

+ sign 0.009+/-0.000 χ^2/NDF: 16971072.5/55

All: 0.009+/-0.000 χ^2/NDF: 31278268.7/112

- sign 0.009+/-0.000 χ^2/NDF: 14302606.8/56


asym_us_avg_atlr_avg_avg_eigen_dit_vs_cor_diff_mean vs Slug
2
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180
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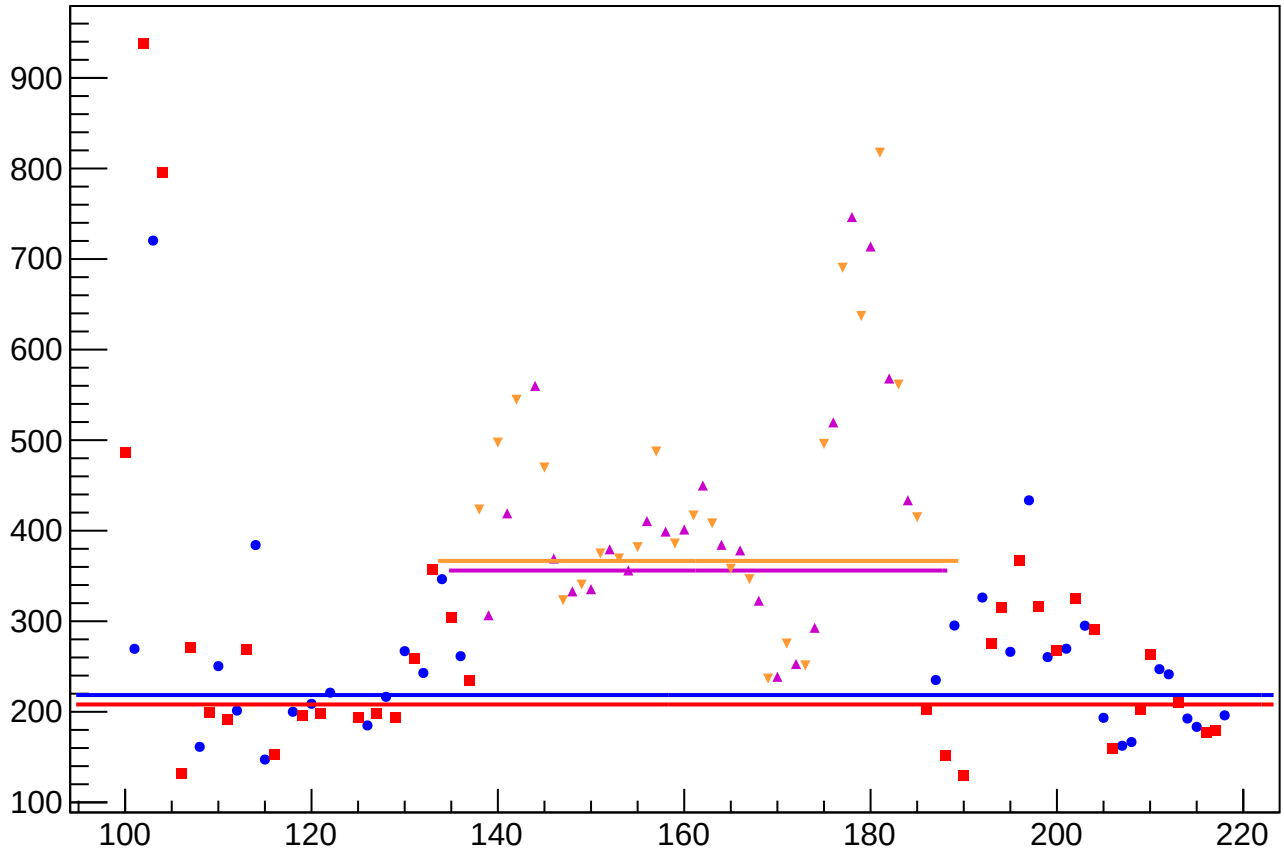
220
Right In: 0.011+/-0.052 χ²/NDF: 40.4/31
Left Out: -0.043+/-0.090 χ²/NDF:31.0/23
Right Out: -0.041+/-0.051 χ²/NDF: 42.4/33
Left In: 0.080+/-0.088 χ²/NDF:30.3/22
+ sign -0.003+/-0.045 χ²/NDF: 71.6/55
All: -0.007+/-0.031 χ²/NDF: 145.8/112
- sign -0.011+/-0.044 χ²/NDF: 74.1/56



Right In: 218.507+/-0.037 χ^2/NDF: 2432458.1/31

Left Out: 366.671+/-0.064 χ^2/NDF:2841292.6/23

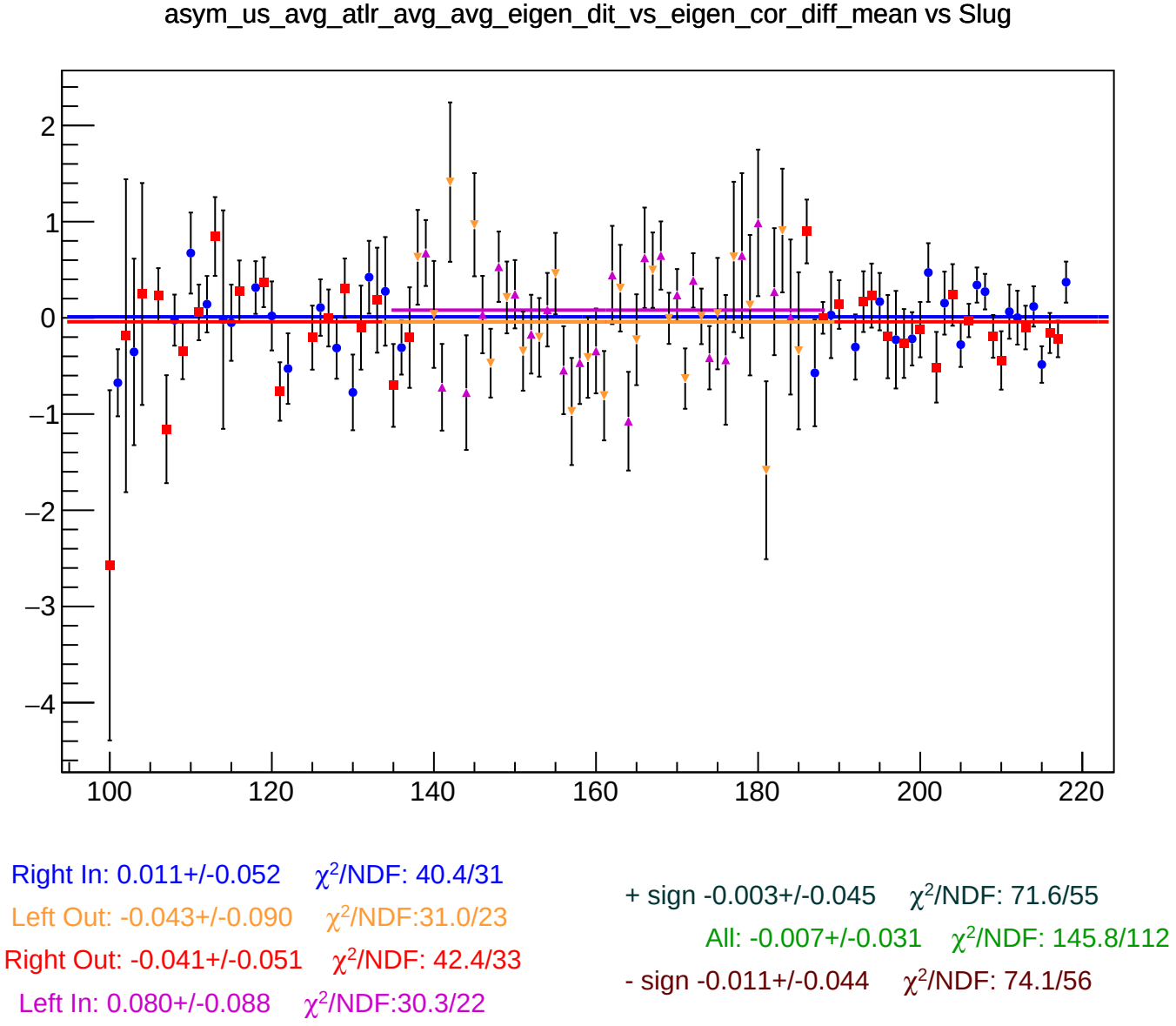
Right Out: 208.106+/-0.036 χ^2/NDF: 3467864.6/33

Left In: 355.993+/-0.062 χ^2/NDF:2420863.3/22

+ sign 255.427+/-0.032 χ^2/NDF: 9302462.6/55

All: 250.144+/-0.022 χ^2/NDF: 19500615.6/11

- sign 245.145+/-0.031 χ^2/NDF: 10144867.9/56


asym_us_avg_atlr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug
2
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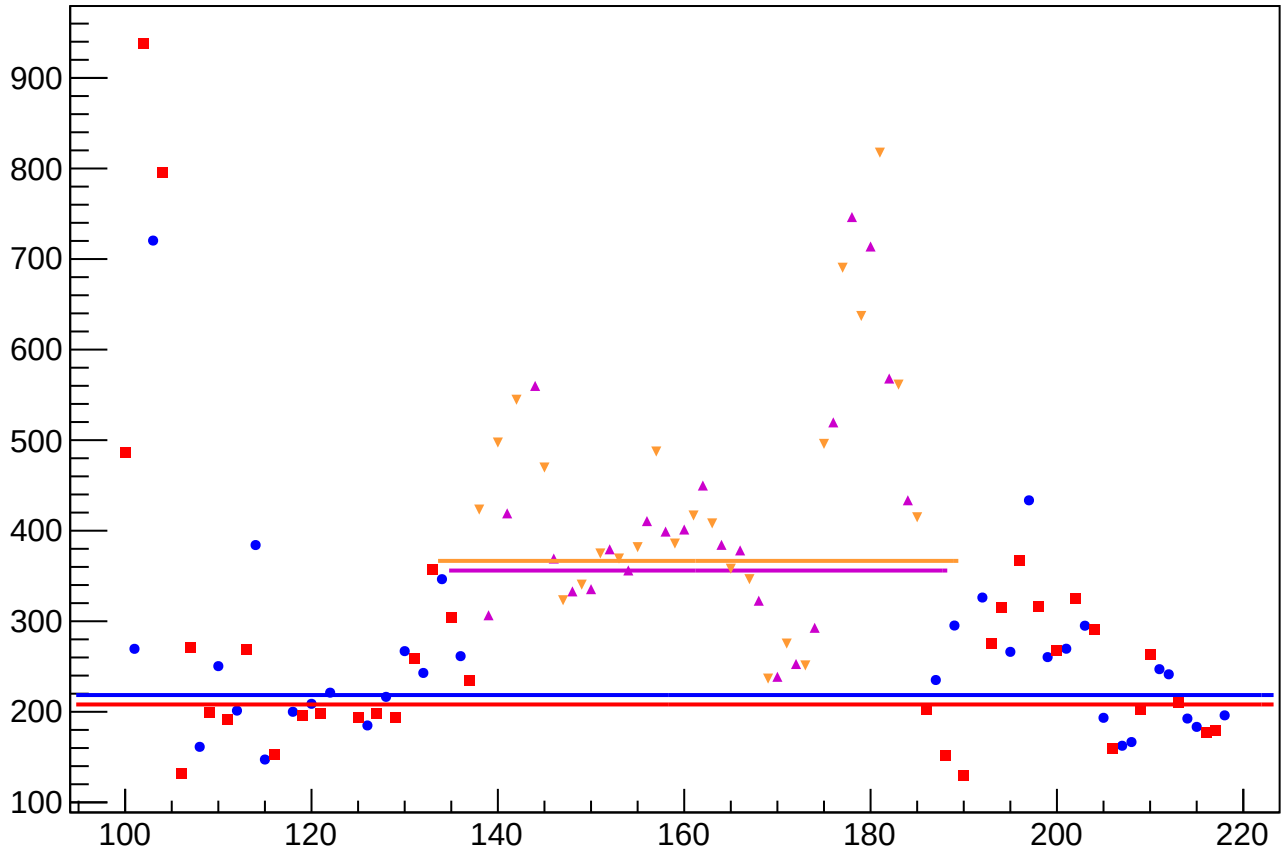
100
120
140
160
180
200
220
Right In: 0.011+/-0.052 χ²/NDF: 40.4/31
Left Out: -0.043+/-0.090 χ²/NDF:31.0/23
Right Out: -0.041+/-0.051 χ²/NDF: 42.4/33
Left In: 0.080+/-0.088 χ²/NDF:30.3/22
+ sign -0.003+/-0.045 χ²/NDF: 71.6/55
All: -0.007+/-0.031 χ²/NDF: 145.8/112
- sign -0.011+/-0.044 χ²/NDF: 74.1/56



Right In: 218.507+/-0.037 χ^2/NDF: 2432458.1/31

Left Out: 366.671+/-0.064 χ^2/NDF:2841292.6/23

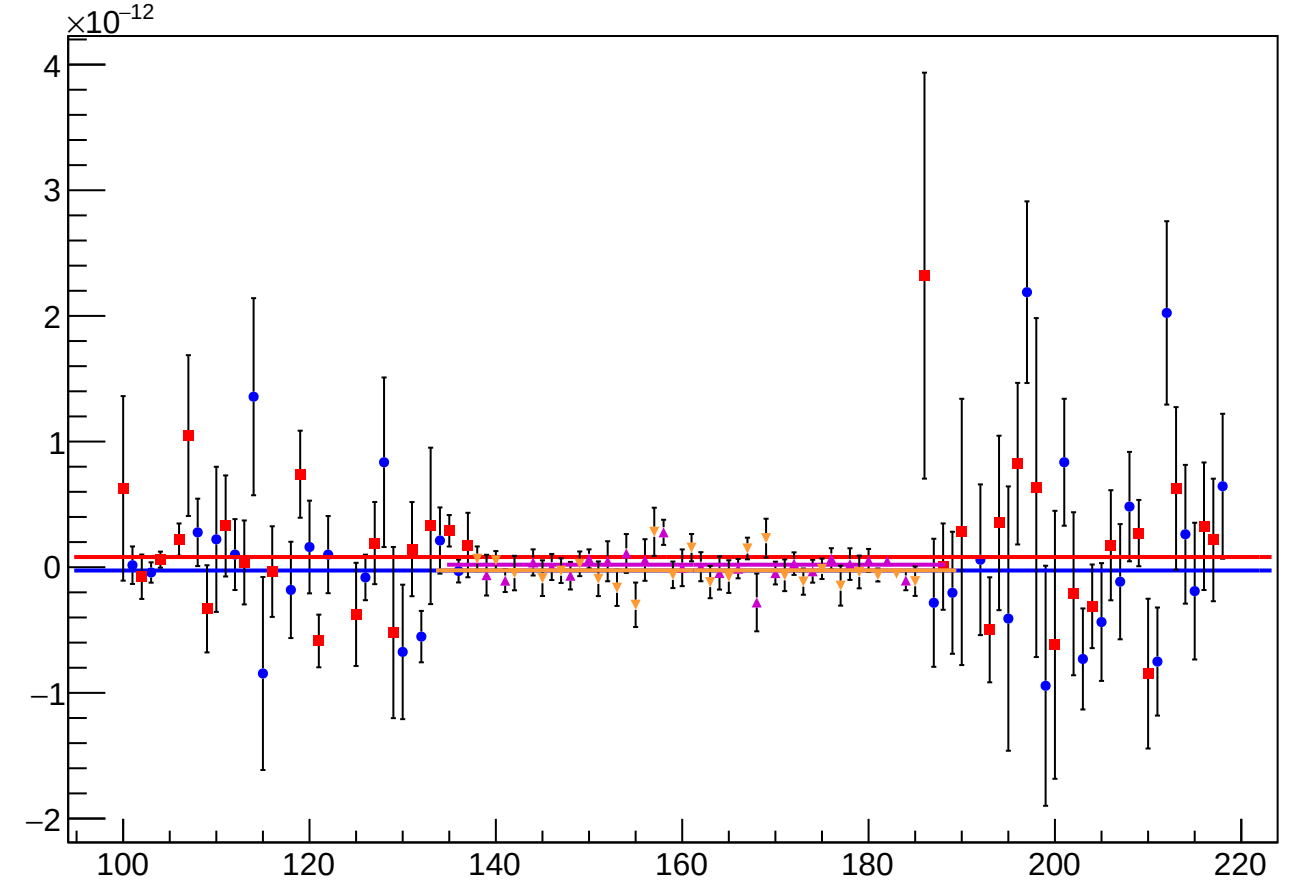
Right Out: 208.106+/-0.036 χ^2/NDF: 3467864.6/33

Left In: 355.993+/-0.062 χ^2/NDF:2420863.3/22

+ sign 255.427+/-0.032 χ^2/NDF: 9302462.6/55

All: 250.144+/-0.022 χ^2/NDF: 19500615.6/11

- sign 245.145+/-0.031 χ^2/NDF: 10144867.9/56



Right In: -0.000+/-0.000 χ^2/NDF: 48.7/31

Left Out: -0.000+/-0.000 χ^2/NDF:21.9/23

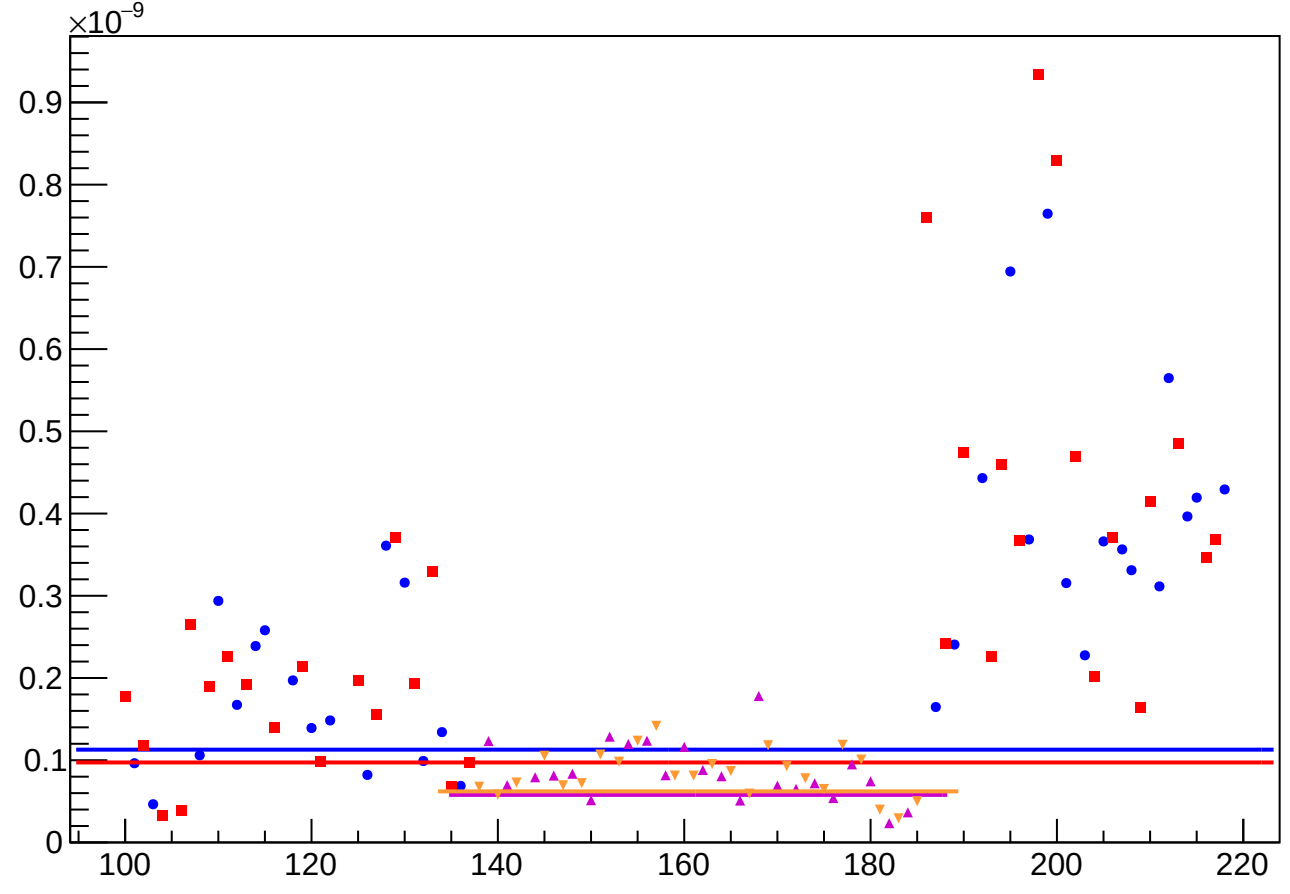
Right Out: 0.000+/-0.000 χ^2/NDF: 37.5/33

Left In: 0.000+/-0.000 χ^2/NDF:17.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 70.6/55

All: 0.000+/-0.000 χ^2/NDF: 132.1/112

- sign 0.000+/-0.000 χ^2/NDF: 56.4/56



Right In: 0.000+/-0.000 χ^2/NDF: 10658933.9/31

Left Out: 0.000+/-0.000 χ^2/NDF:4100152.8/23

Right Out: 0.000+/-0.000 χ^2/NDF: 12320430.5/33

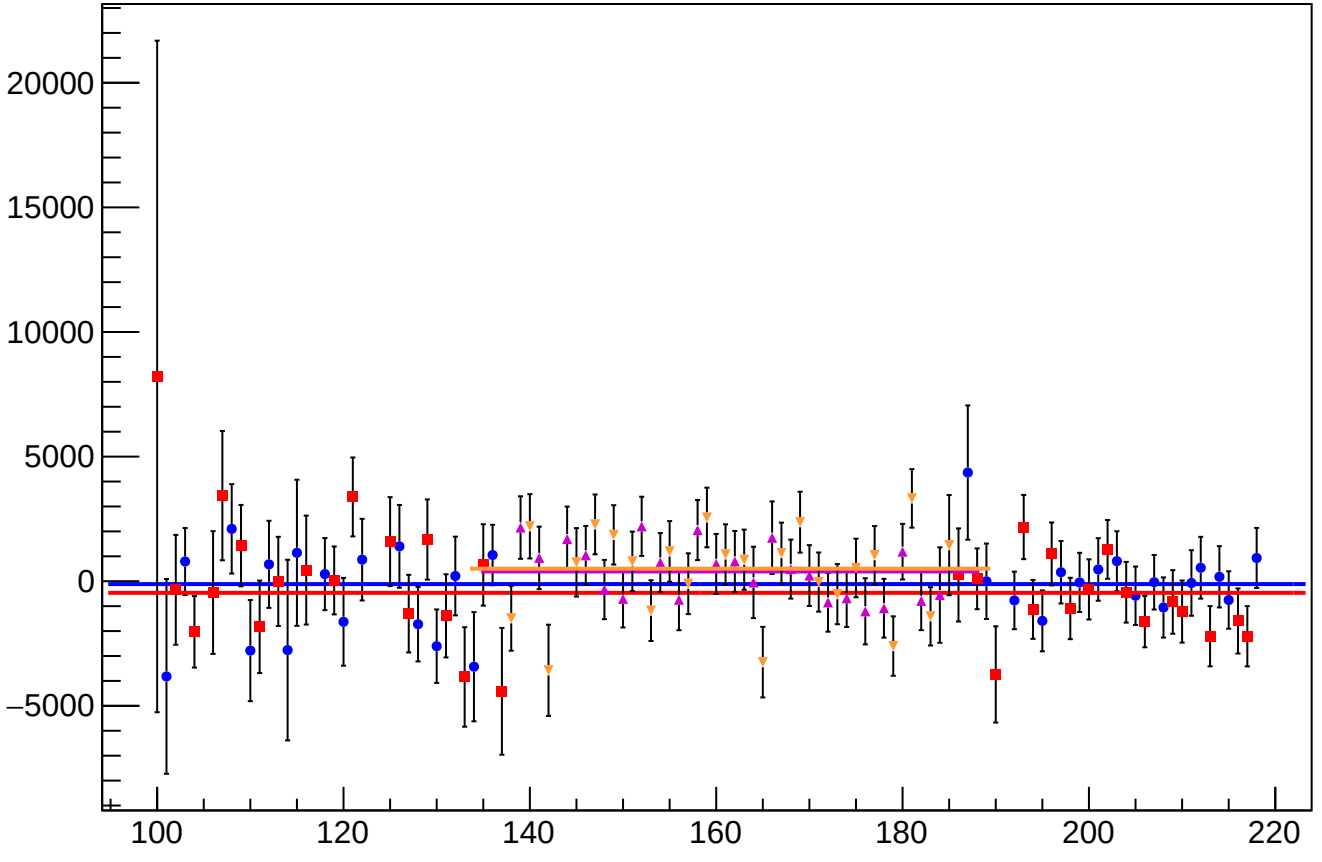
Left In: 0.000+/-0.000 χ^2/NDF:5512617.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 16958109.8/55

All: 0.000+/-0.000 χ^2/NDF: 36402989.6/112

- sign 0.000+/-0.000 χ^2/NDF: 19330034.6/56

reg_asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -114.514+/-252.534 χ^2/NDF: 22.5/31

Left Out: 503.606+/-255.531 χ^2/NDF:44.6/23

Right Out: -465.592+/-254.334 χ^2/NDF: 39.8/33

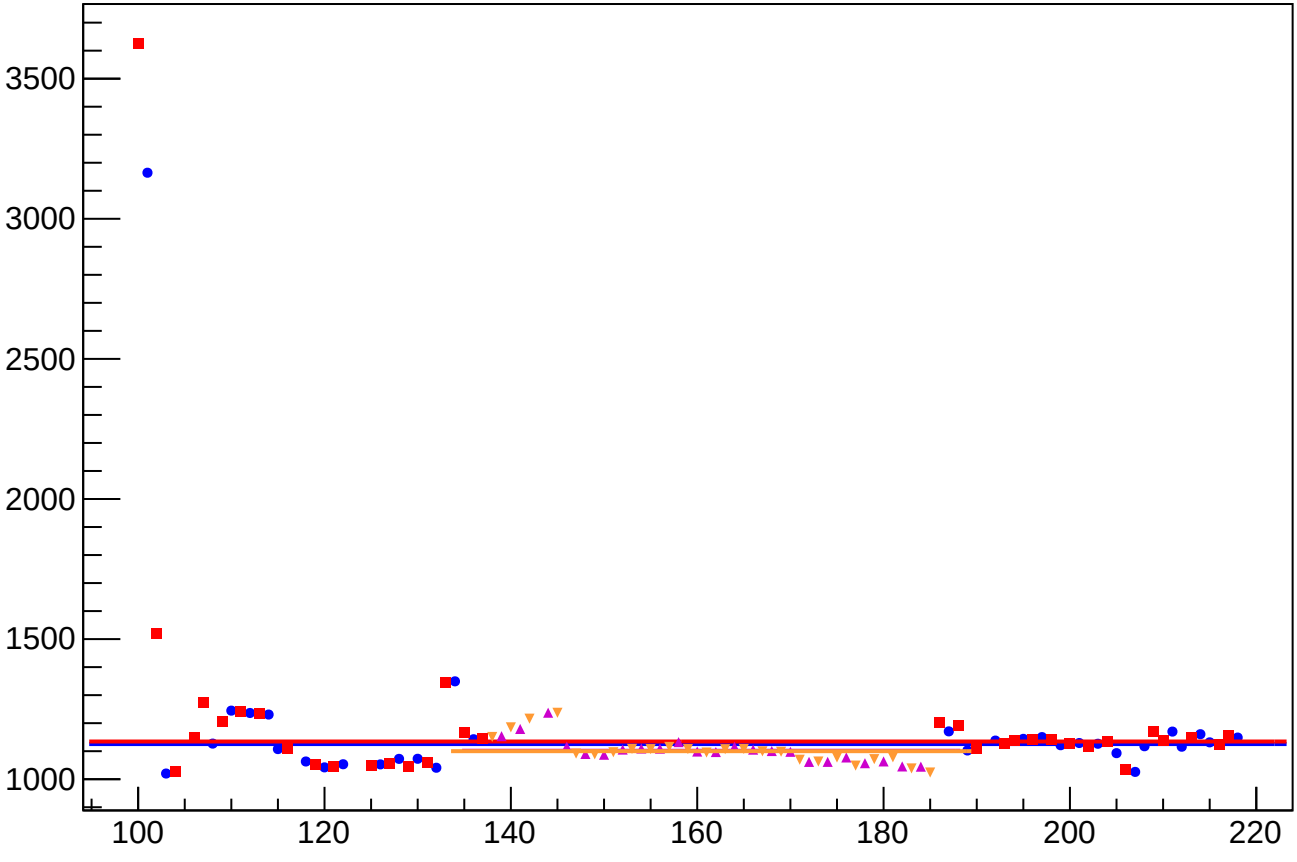
Left In: 391.701+/-257.386 χ^2/NDF:17.8/22

+ sign 190.900+/-179.619 χ^2/NDF: 70.0/55

All: 75.255+/-127.464 χ^2/NDF: 134.1/112

- sign -42.059+/-180.911 χ^2/NDF: 63.3/56

reg_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1125.404+/-0.179 χ^2/NDF: 646956.6/31

Left Out: 1100.063+/-0.181 χ^2/NDF:58733.9/23

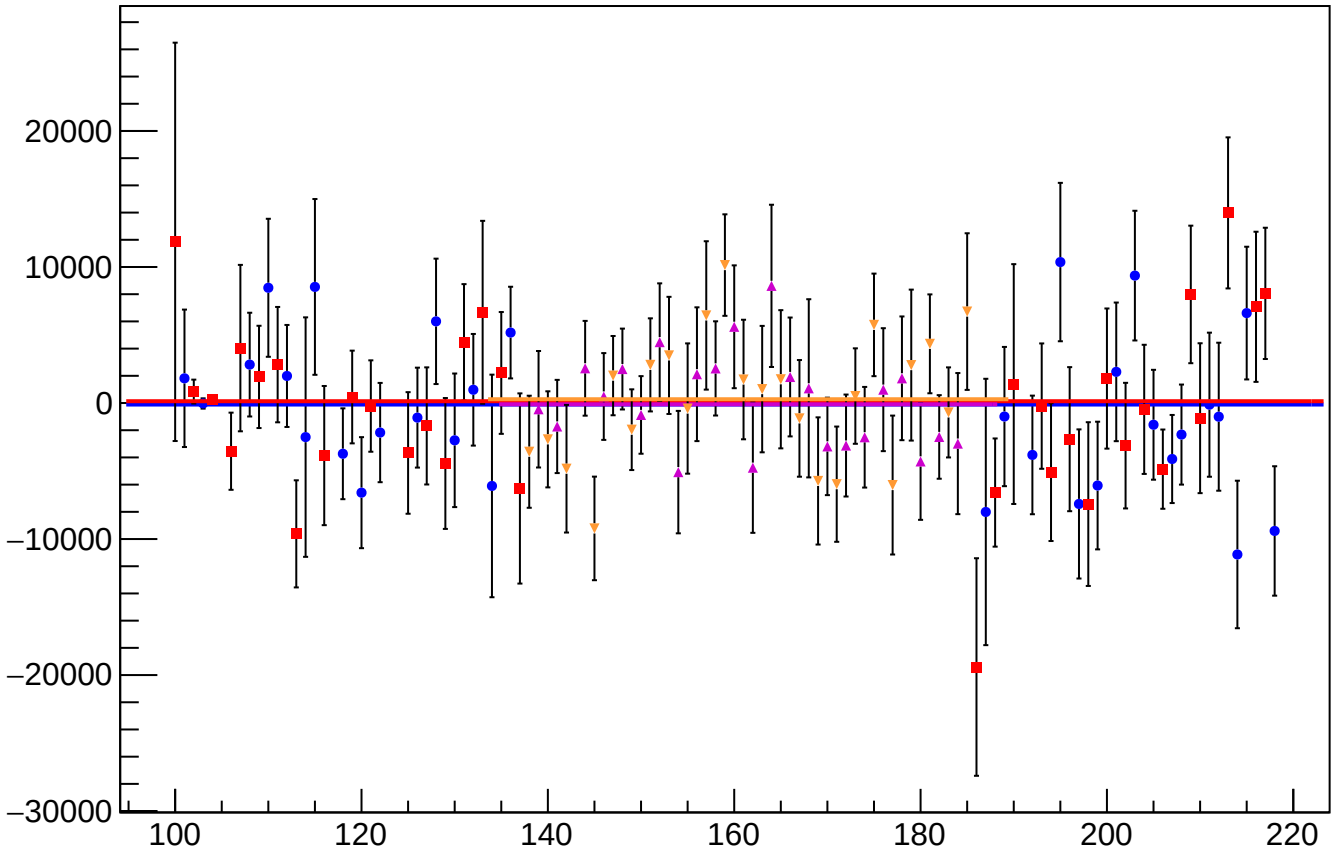
Right Out: 1134.551+/-0.180 χ^2/NDF: 250221.0/33

Left In: 1101.530+/-0.182 χ^2/NDF:52145.9/22

+ sign 1112.883+/-0.127 χ^2/NDF: 715641.1/55

All: 1115.547+/-0.090 χ^2/NDF: 1035560.4/11

- sign 1118.248+/-0.128 χ^2/NDF: 319033.4/56



Right In: -112.072+/-342.397 χ^2/NDF: 39.1/31

Left Out: 277.507+/-820.501 χ^2/NDF:29.9/23

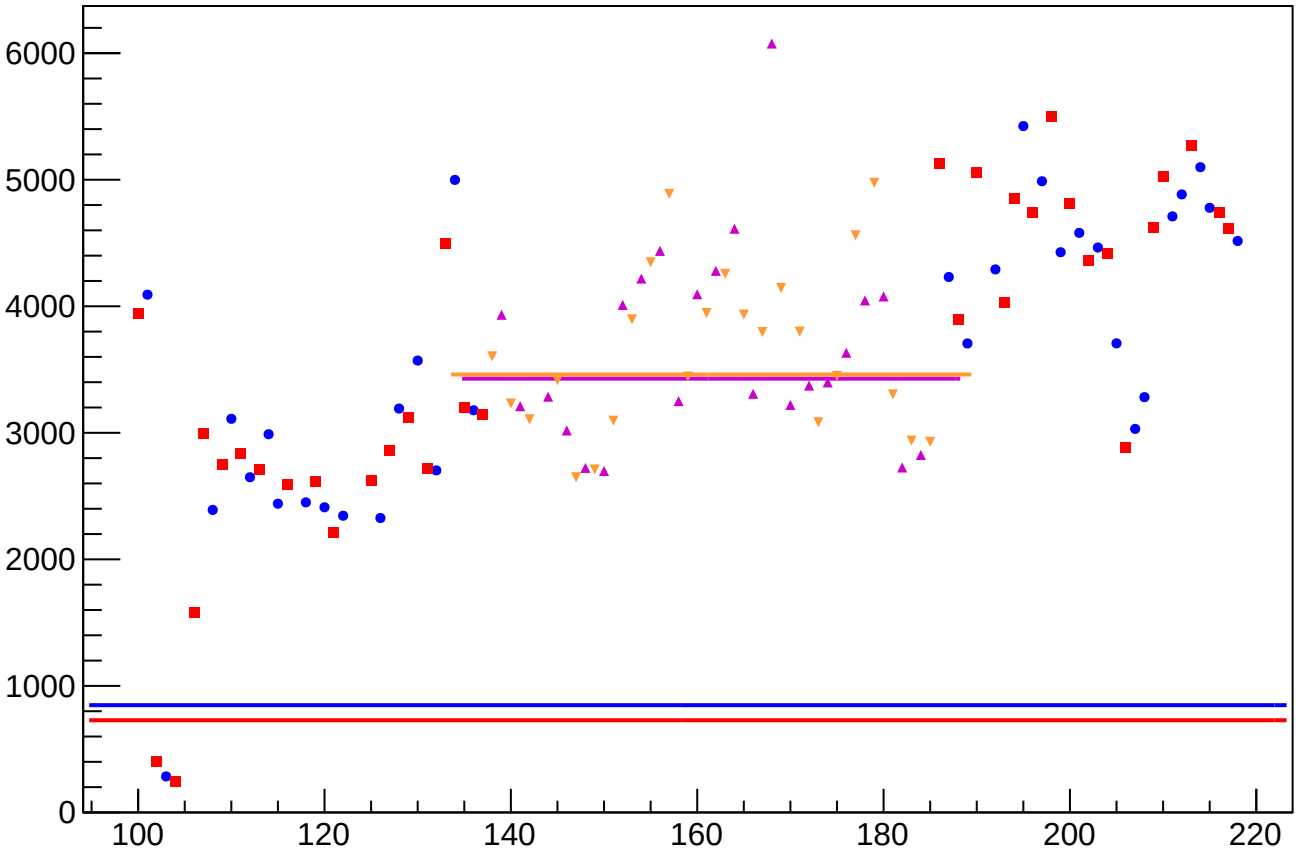
Right Out: 132.528+/-311.887 χ^2/NDF: 44.0/33

Left In: -94.734+/-817.223 χ^2/NDF:13.7/22

+ sign -54.292+/-315.987 χ^2/NDF: 69.2/55

All: 31.058+/-214.212 χ^2/NDF: 127.0/112

- sign 103.636+/-291.388 χ^2/NDF: 57.7/56



Right In: 847.856+/-0.242 χ^2/NDF: 27664291.7/31

Left Out: 3461.259+/-0.580 χ^2/NDF:1058687.1/23

Right Out: 728.646+/-0.221 χ^2/NDF: 28384775.4/33

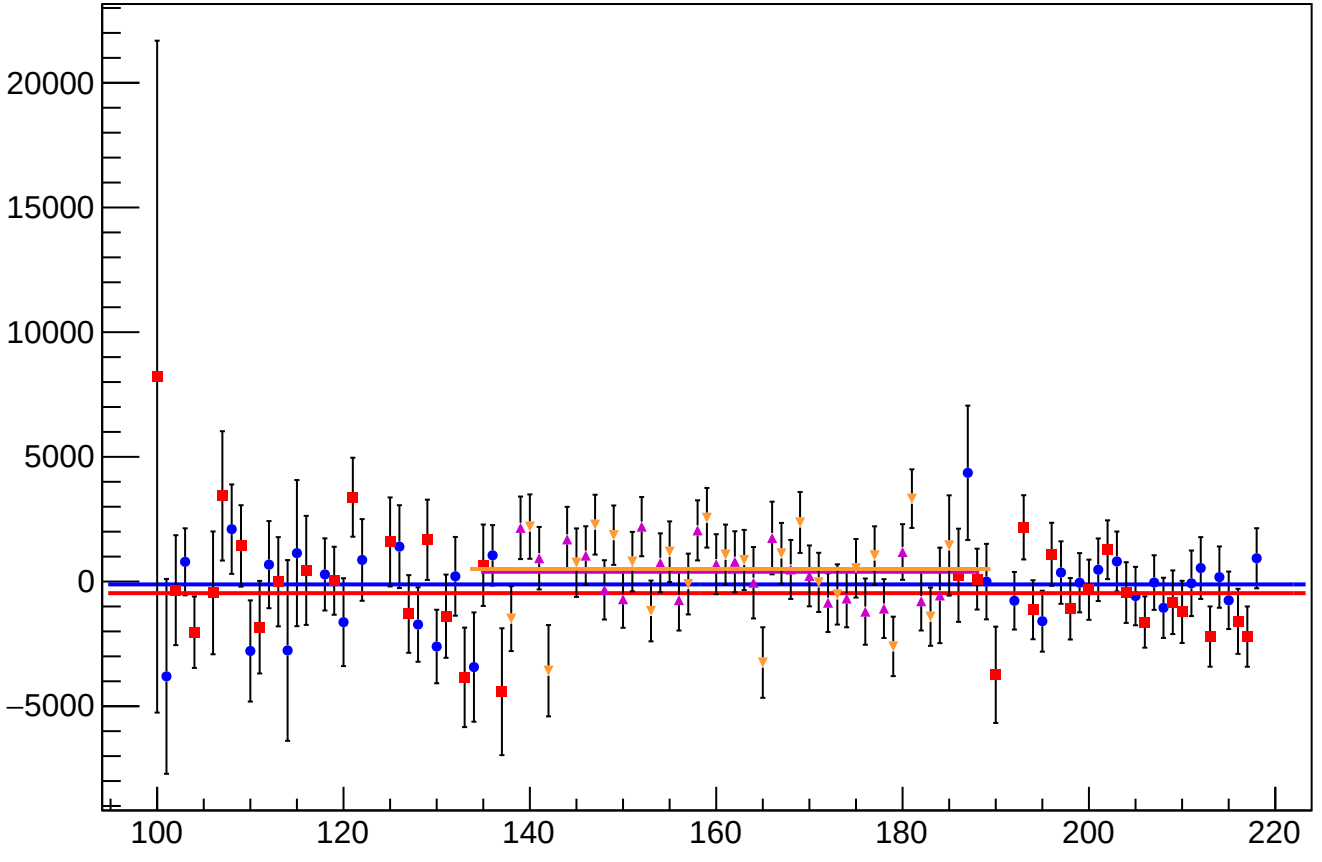
Left In: 3427.860+/-0.578 χ^2/NDF:1243133.8/22

+ sign 1235.459+/-0.223 χ^2/NDF: 46003788.0/55

All: 1147.016+/-0.151 χ^2/NDF: 94966179.2/1

- sign 1071.808+/-0.206 χ^2/NDF: 48672475.9/56

cor_asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -114.460+/-252.534 χ^2/NDF: 22.5/31

Left Out: 503.679+/-255.531 χ^2/NDF:44.6/23

Right Out: -465.623+/-254.334 χ^2/NDF: 39.8/33

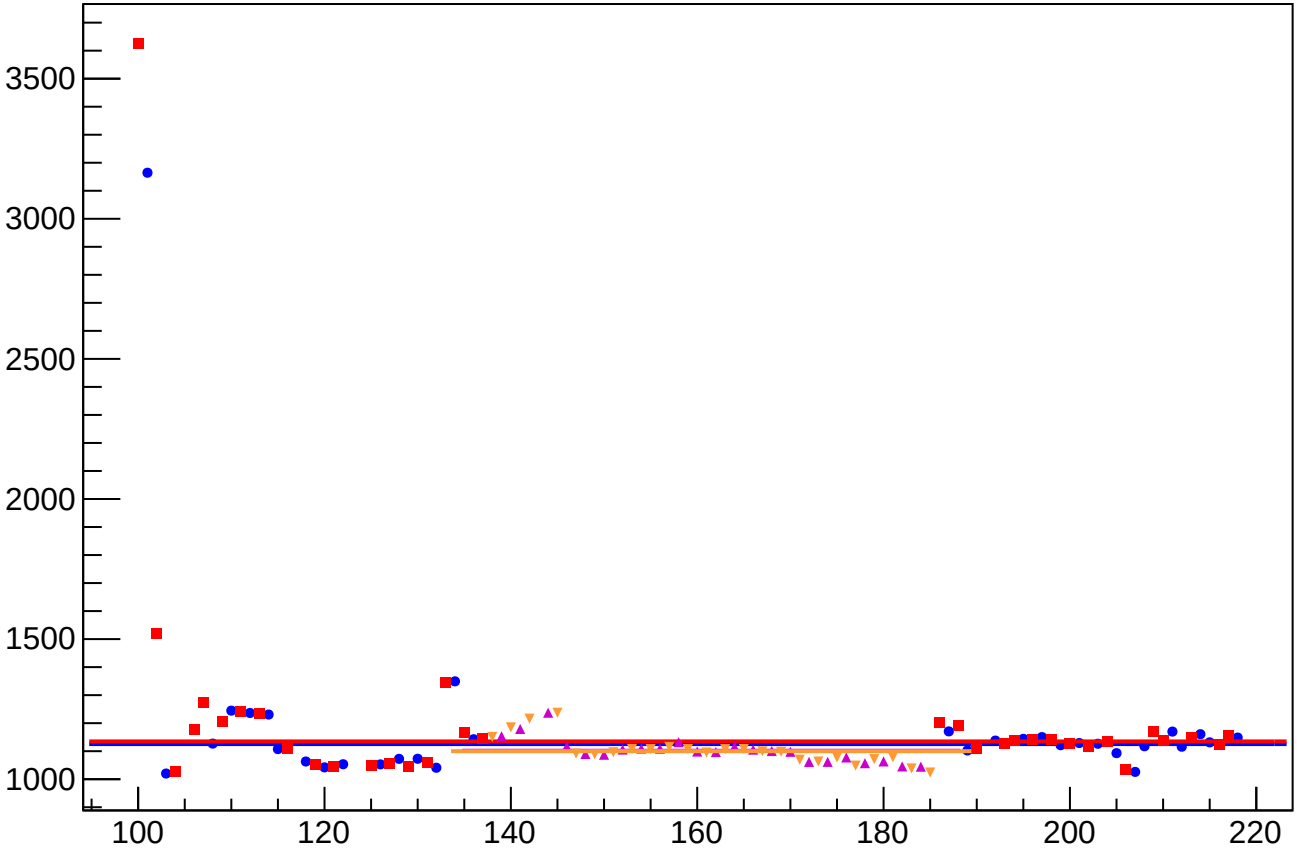
Left In: 391.689+/-257.386 χ^2/NDF:17.8/22

+ sign 190.964+/-179.619 χ^2/NDF: 70.0/55

All: 75.276+/-127.464 χ^2/NDF: 134.1/112

- sign -42.081+/-180.911 χ^2/NDF: 63.3/56

cor_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1125.404+/-0.179 χ^2/NDF: 646957.8/31

Left Out: 1100.063+/-0.181 χ^2/NDF:58733.9/23

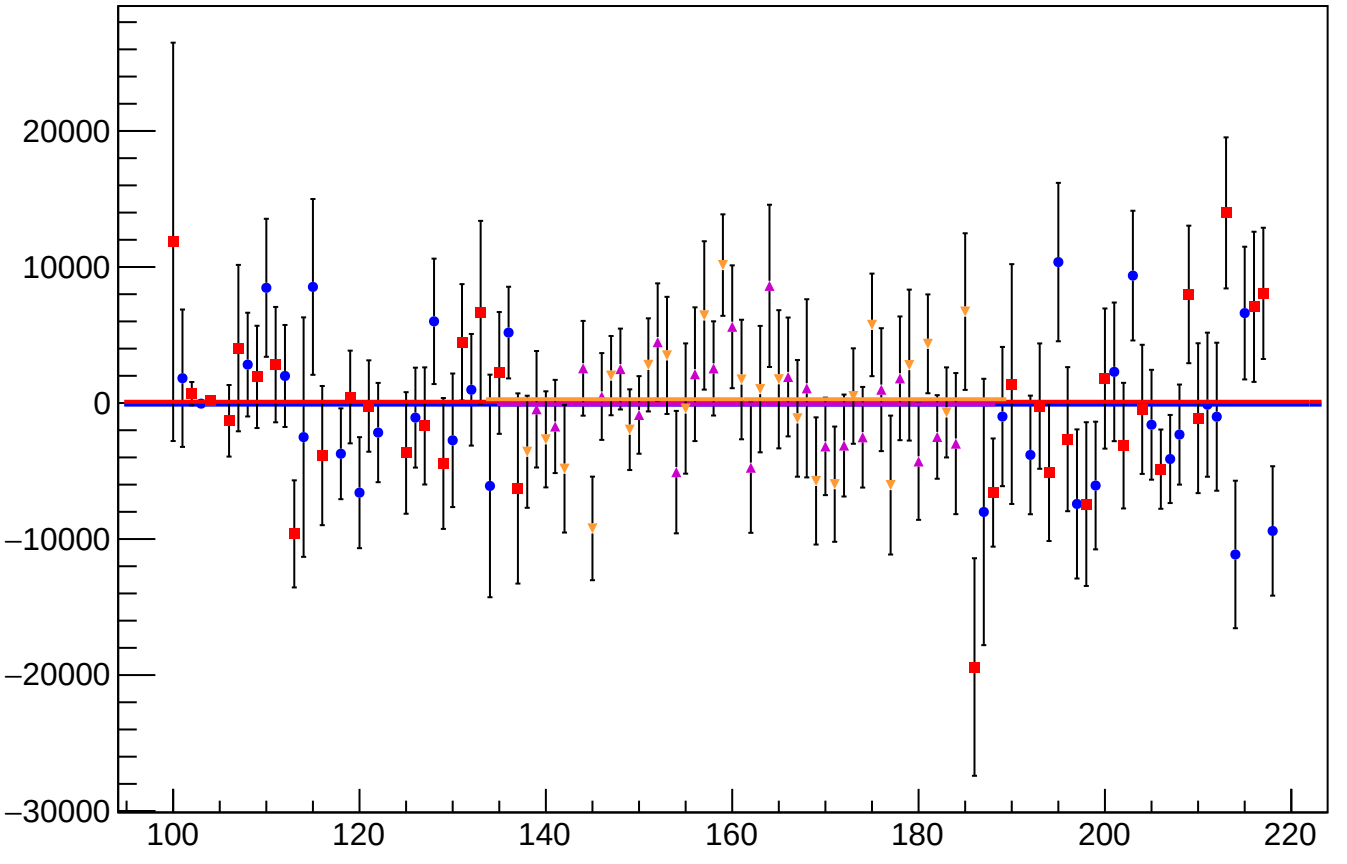
Right Out: 1134.883+/-0.180 χ^2/NDF: 250817.2/33

Left In: 1101.530+/-0.182 χ^2/NDF:52145.9/22

+ sign 1112.883+/-0.127 χ^2/NDF: 715642.1/55

All: 1115.626+/-0.090 χ^2/NDF: 1036540.8/11

- sign 1118.409+/-0.128 χ^2/NDF: 319959.1/56



Right In: -117.440+/-330.827 χ^2/NDF: 39.1/31

Left Out: 277.536+/-820.502 χ^2/NDF:29.9/23

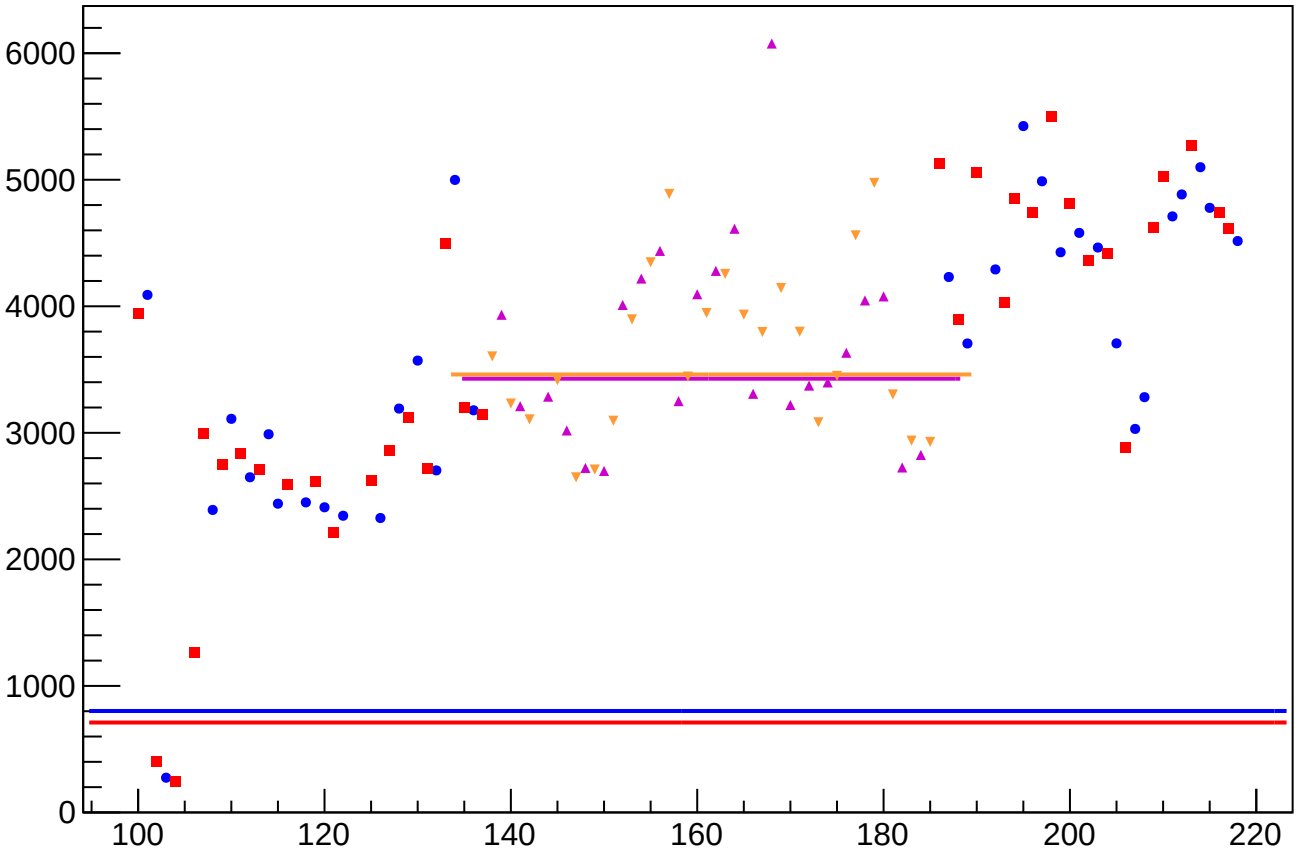
Right Out: 92.045+/-307.199 χ^2/NDF: 42.3/33

Left In: -94.742+/-817.222 χ^2/NDF:13.7/22

\+ sign -62.207+/-306.826 χ^2/NDF: 69.2/55

All: 7.603+/-209.814 χ^2/NDF: 125.3/112

\- sign 68.919+/-287.553 χ^2/NDF: 56.0/56



Right In: 801.837+/-0.234 χ^2/NDF: 28189170.6/31

Left Out: 3461.261+/-0.580 χ^2/NDF:1058691.8/23

Right Out: 710.717+/-0.217 χ^2/NDF: 28453881.9/33

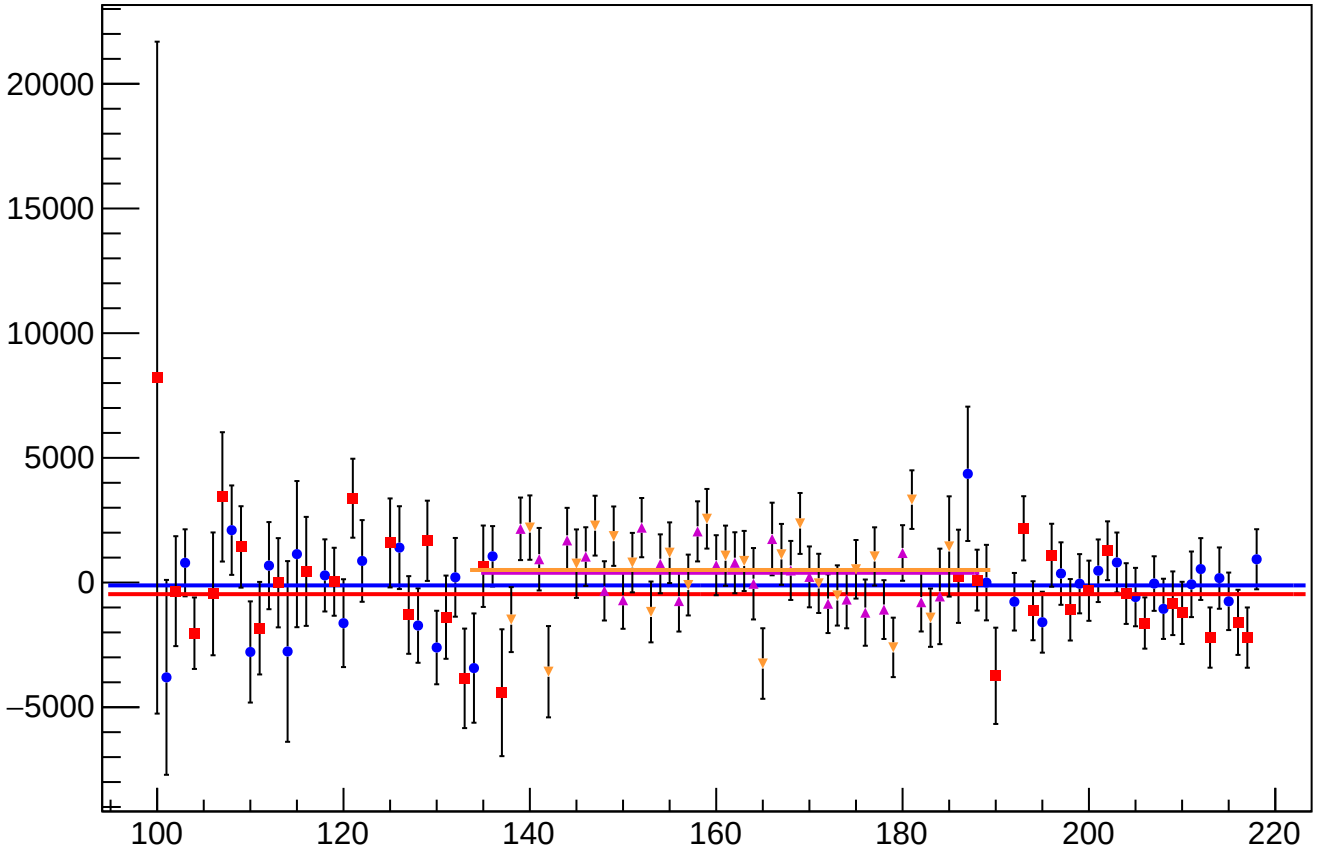
Left In: 3427.857+/-0.578 χ^2/NDF:1243147.4/22

+ sign 1173.725+/-0.217 χ^2/NDF: 47320713.1/55

All: 1106.325+/-0.148 χ^2/NDF: 96570889.0/1

- sign 1047.127+/-0.203 χ^2/NDF: 49068904.8/56

eigen_cor_asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -114.460+/-252.534 χ^2/NDF: 22.5/31

Left Out: 503.679+/-255.531 χ^2/NDF:44.6/23

Right Out: -465.623+/-254.334 χ^2/NDF: 39.8/33

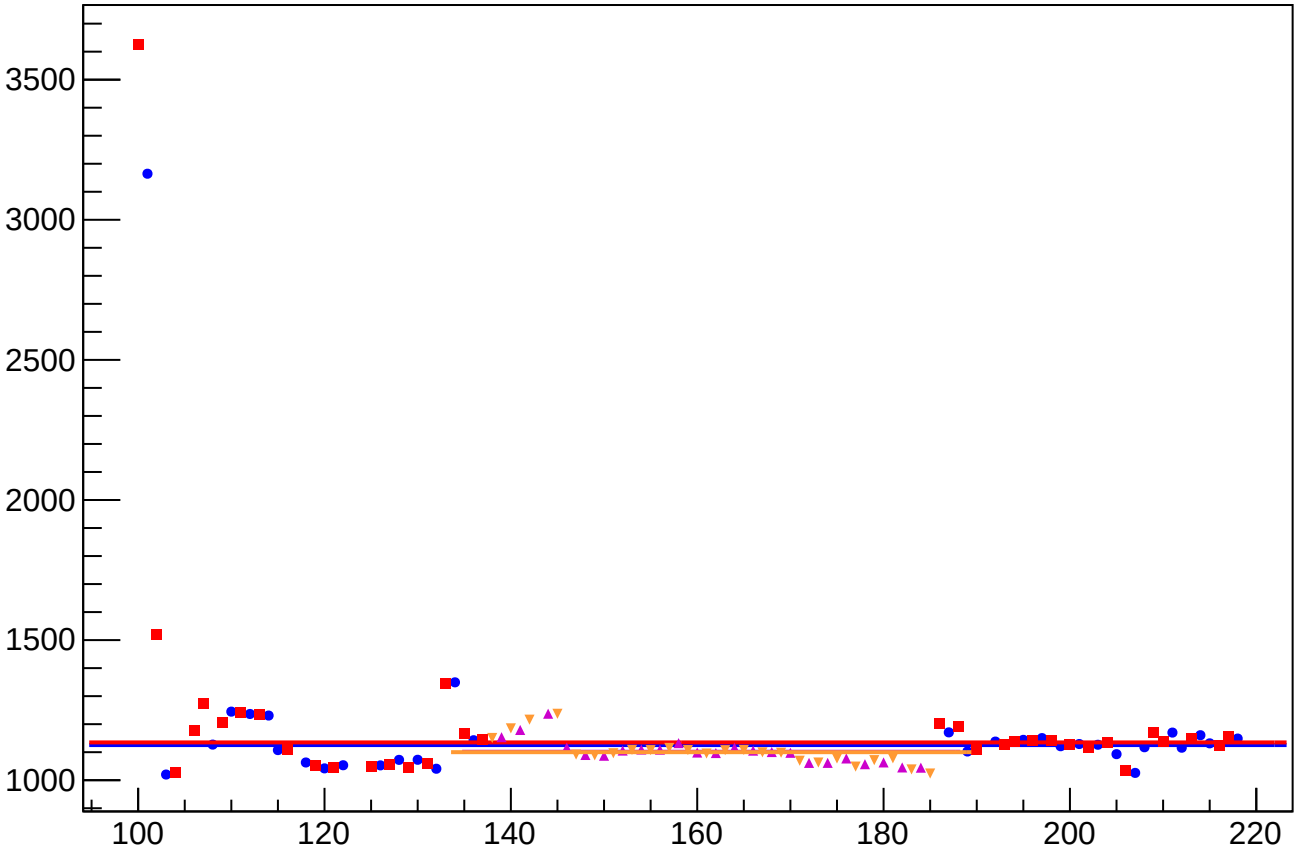
Left In: 391.689+/-257.386 χ^2/NDF:17.8/22

+ sign 190.964+/-179.619 χ^2/NDF: 70.0/55

All: 75.276+/-127.464 χ^2/NDF: 134.1/112

- sign -42.081+/-180.911 χ^2/NDF: 63.3/56

eigen_cor_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1125.404+/-0.179 χ^2/NDF: 646957.8/31

Left Out: 1100.063+/-0.181 χ^2/NDF:58733.9/23

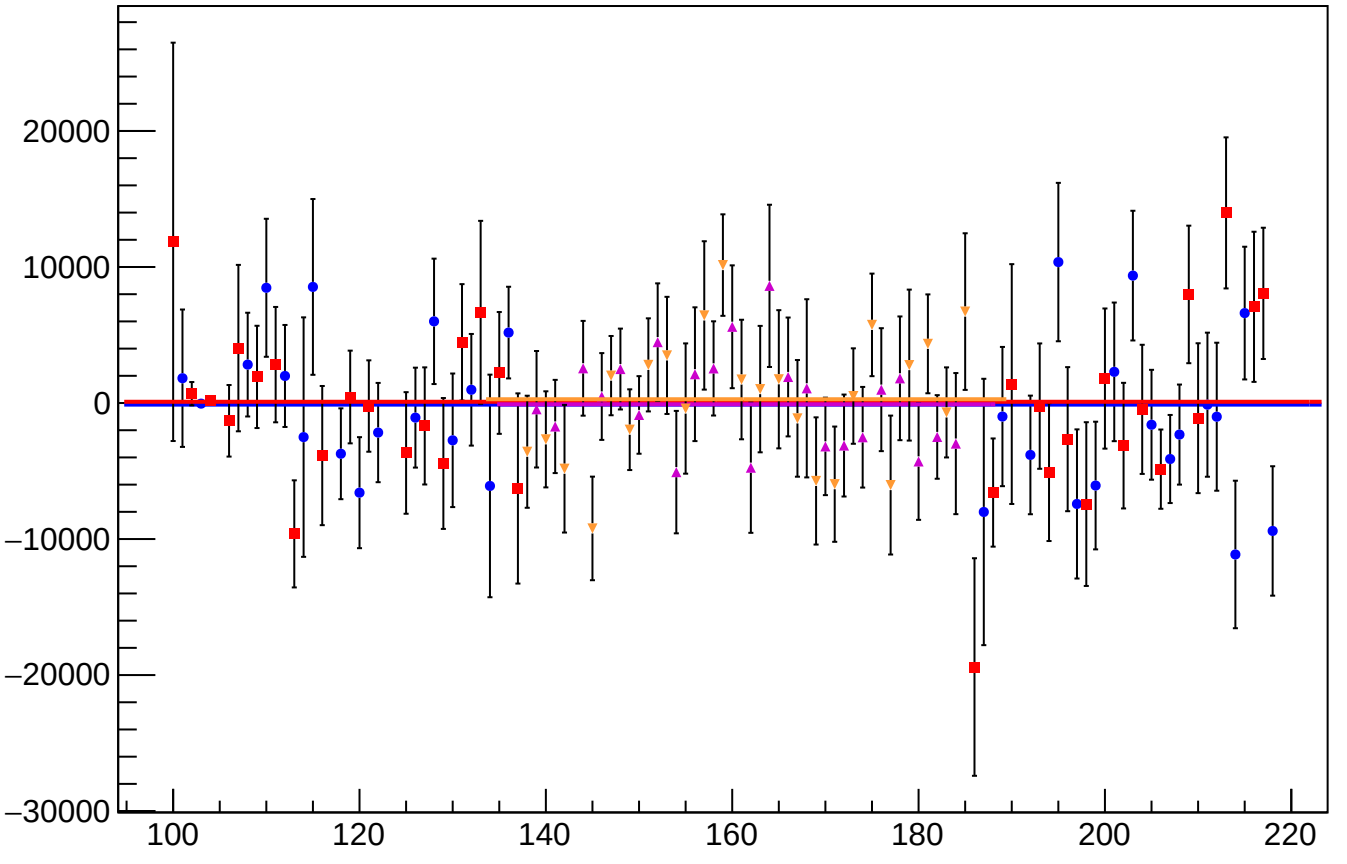
Right Out: 1134.883+/-0.180 χ^2/NDF: 250817.2/33

Left In: 1101.530+/-0.182 χ^2/NDF:52141.9/22

+ sign 1112.883+/-0.127 χ^2/NDF: 715642.1/55

All: 1115.626+/-0.090 χ^2/NDF: 1036540.8/11

- sign 1118.409+/-0.128 χ^2/NDF: 319959.1/56



Right In: -117.440+/-330.827 χ^2/NDF: 39.1/31

Left Out: 277.536+/-820.502 χ^2/NDF:29.9/23

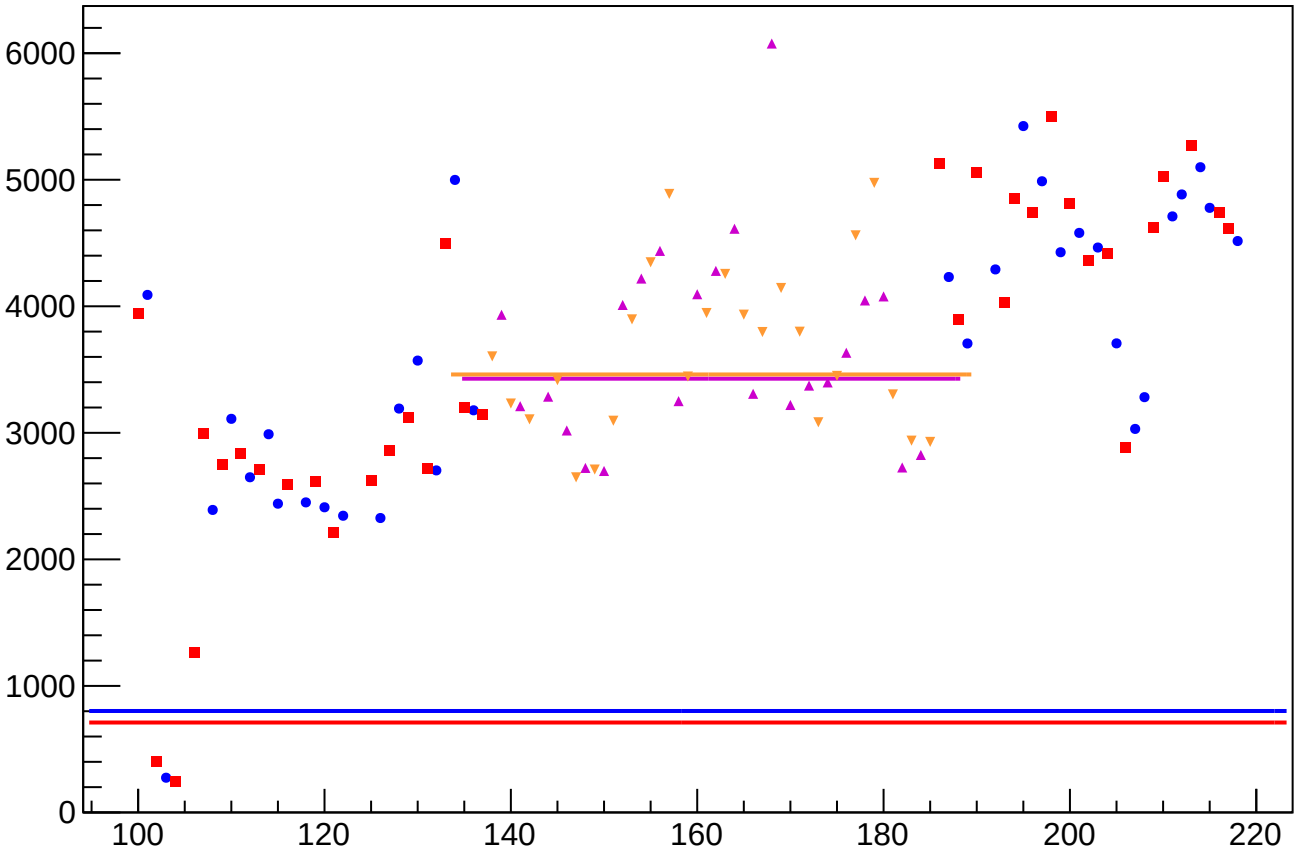
Right Out: 92.045+/-307.199 χ^2/NDF: 42.3/33

Left In: -94.742+/-817.222 χ^2/NDF:13.7/22

\+ sign -62.207+/-306.826 χ^2/NDF: 69.2/55

All: 7.603+/-209.814 χ^2/NDF: 125.3/112

\- sign 68.919+/-287.553 χ^2/NDF: 56.0/56



Right In: 801.837+/-0.234 χ^2/NDF: 28189170.6/31

Left Out: 3461.261+/-0.580 χ^2/NDF:1058691.8/23

Right Out: 710.717+/-0.217 χ^2/NDF: 28453881.9/33

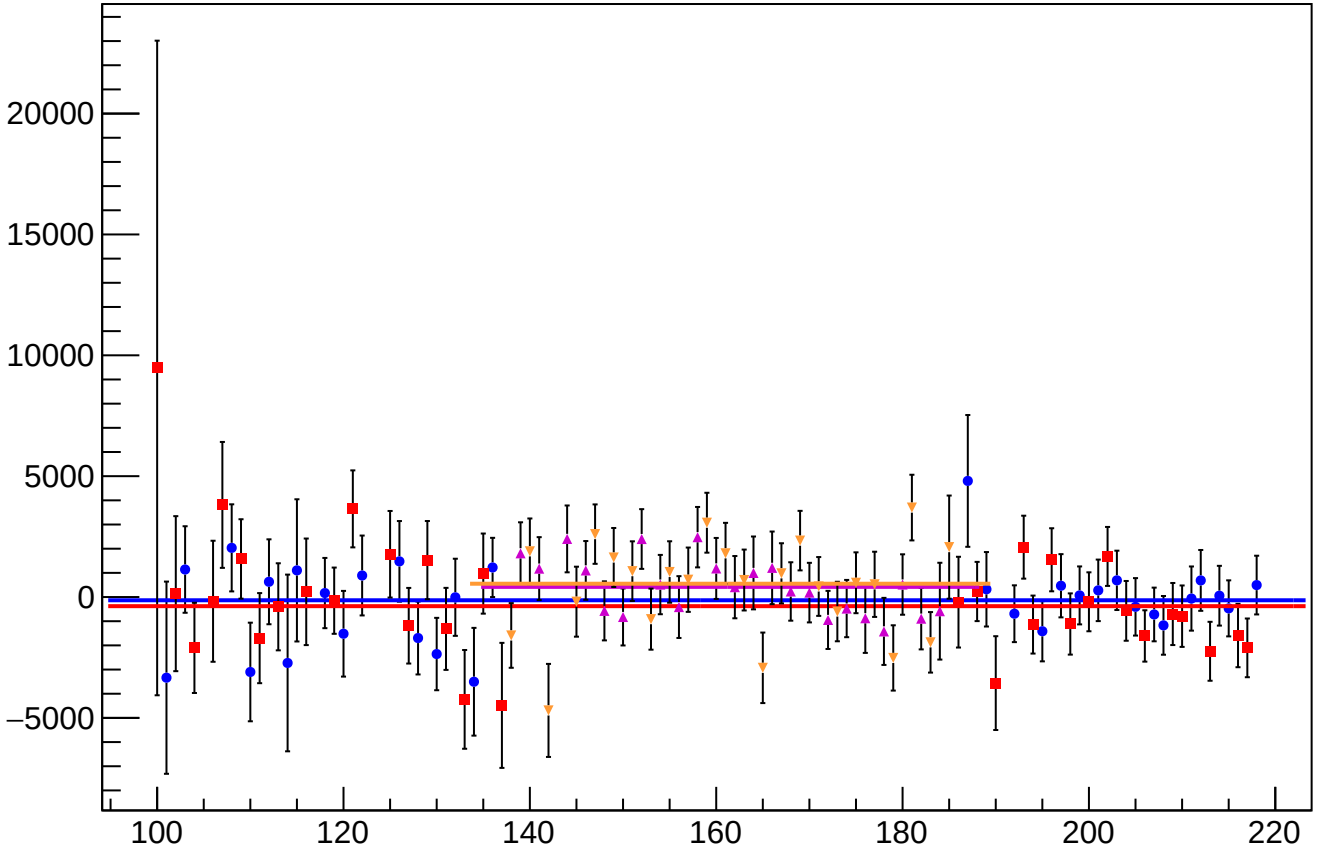
Left In: 3427.857+/-0.578 χ^2/NDF:1243147.4/22

+ sign 1173.725+/-0.217 χ^2/NDF: 47320713.1/55

All: 1106.325+/-0.148 χ^2/NDF: 96570889.0/1

- sign 1047.127+/-0.203 χ^2/NDF: 49068904.8/56

dit_asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -133.630+/-257.672 χ^2/NDF: 21.7/31

Left Out: 550.661+/-269.206 χ^2/NDF:45.2/23

Right Out: -377.633+/-260.333 χ^2/NDF: 41.5/33

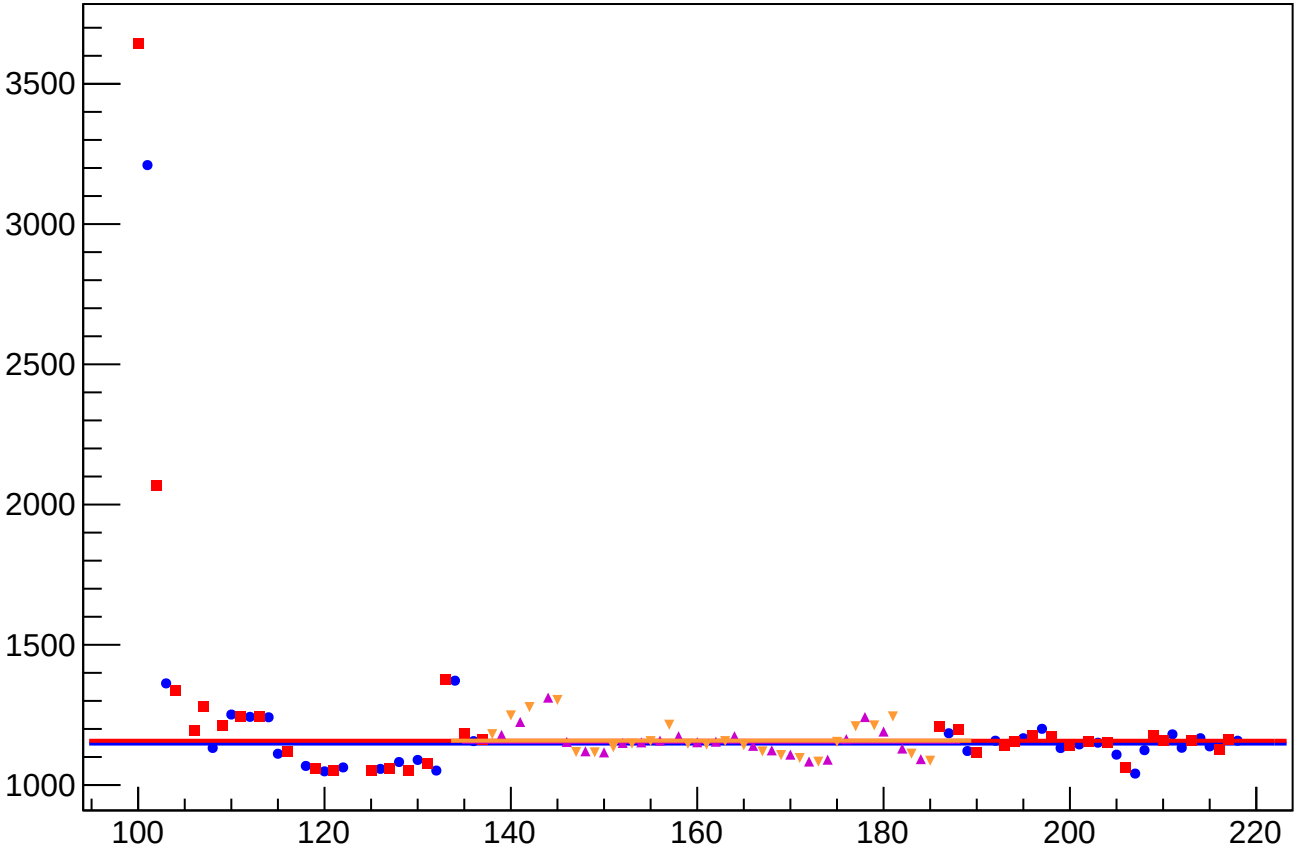
Left In: 421.023+/-269.815 χ^2/NDF:18.0/22

+ sign 193.542+/-186.145 χ^2/NDF: 70.3/55

All: 101.076+/-132.047 χ^2/NDF: 134.8/112

- sign 7.415+/-187.346 χ^2/NDF: 64.1/56

dit_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1147.869+/-0.182 χ^2/NDF: 666647.5/31

Left Out: 1158.177+/-0.190 χ^2/NDF:84111.8/23

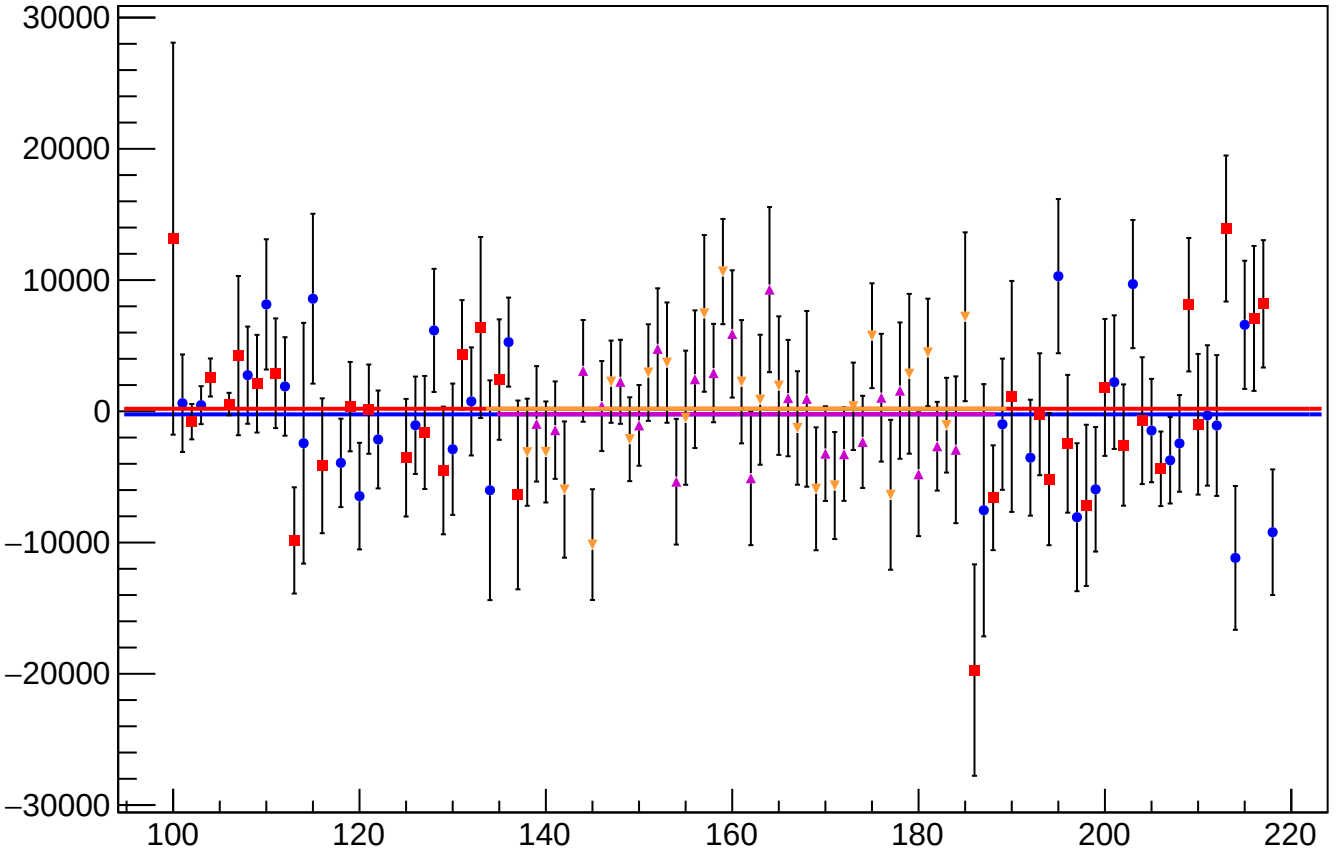
Right Out: 1157.904+/-0.184 χ^2/NDF: 357128.9/33

Left In: 1154.231+/-0.191 χ^2/NDF:66476.9/22

+ sign 1152.797+/-0.132 χ^2/NDF: 752289.6/55

All: 1154.455+/-0.093 χ^2/NDF: 1176406.6/11

- sign 1156.133+/-0.132 χ^2/NDF: 423797.8/56



Right In: -233.871+/-704.455 χ^2/NDF: 38.4/31

Left Out: 189.735+/-869.432 χ^2/NDF:29.3/23

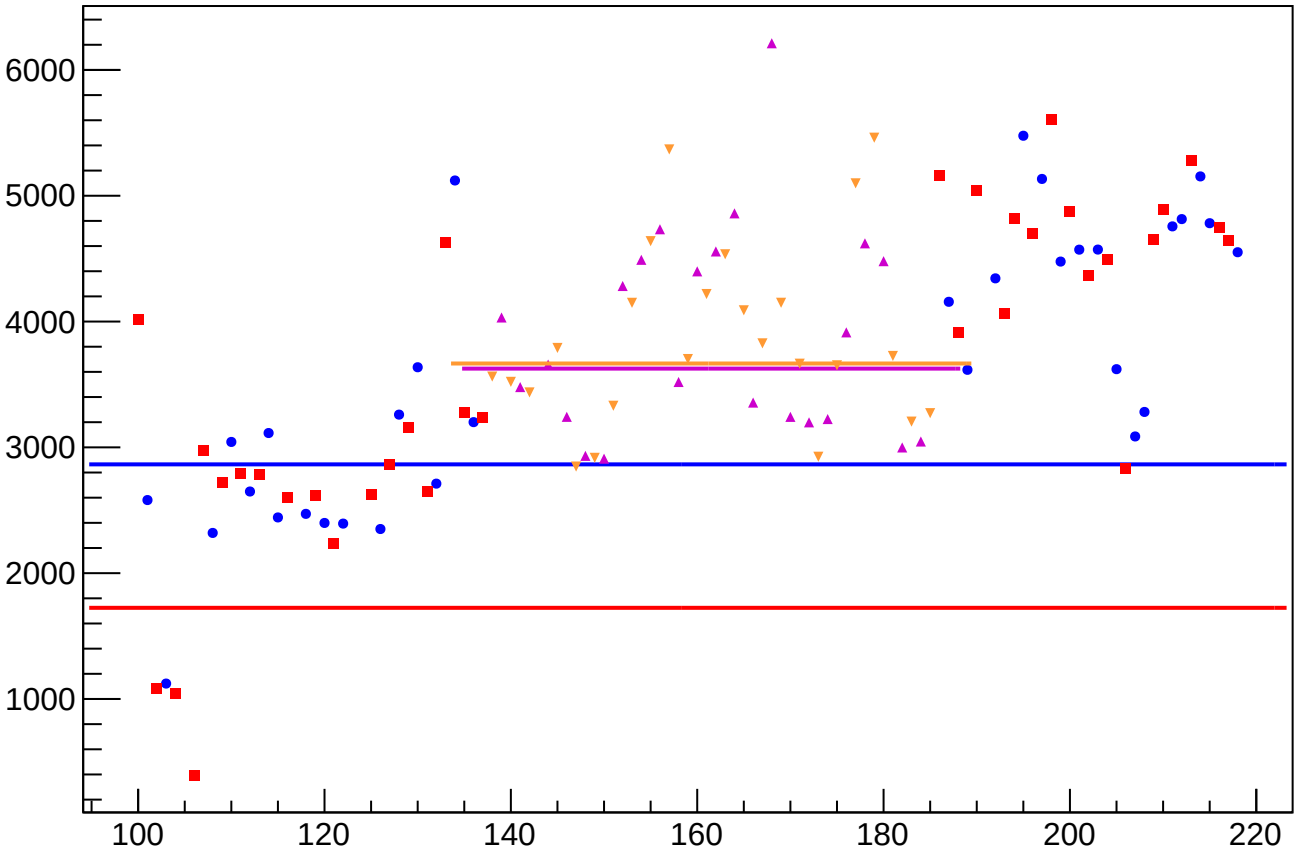
Right Out: 194.219+/-513.401 χ^2/NDF: 44.6/33

Left In: -221.361+/-864.775 χ^2/NDF:13.4/22

+ sign -65.988+/-547.340 χ^2/NDF: 67.8/55

All: 26.045+/-343.623 χ^2/NDF: 126.0/112

- sign 85.916+/-441.464 χ^2/NDF: 58.1/56



Right In: 2864.855+/-0.498 χ^2/NDF: 6577941.7/31

Left Out: 3666.536+/-0.615 χ^2/NDF:1095831.4/23

Right Out: 1724.562+/-0.363 χ^2/NDF: 17522776.1/33

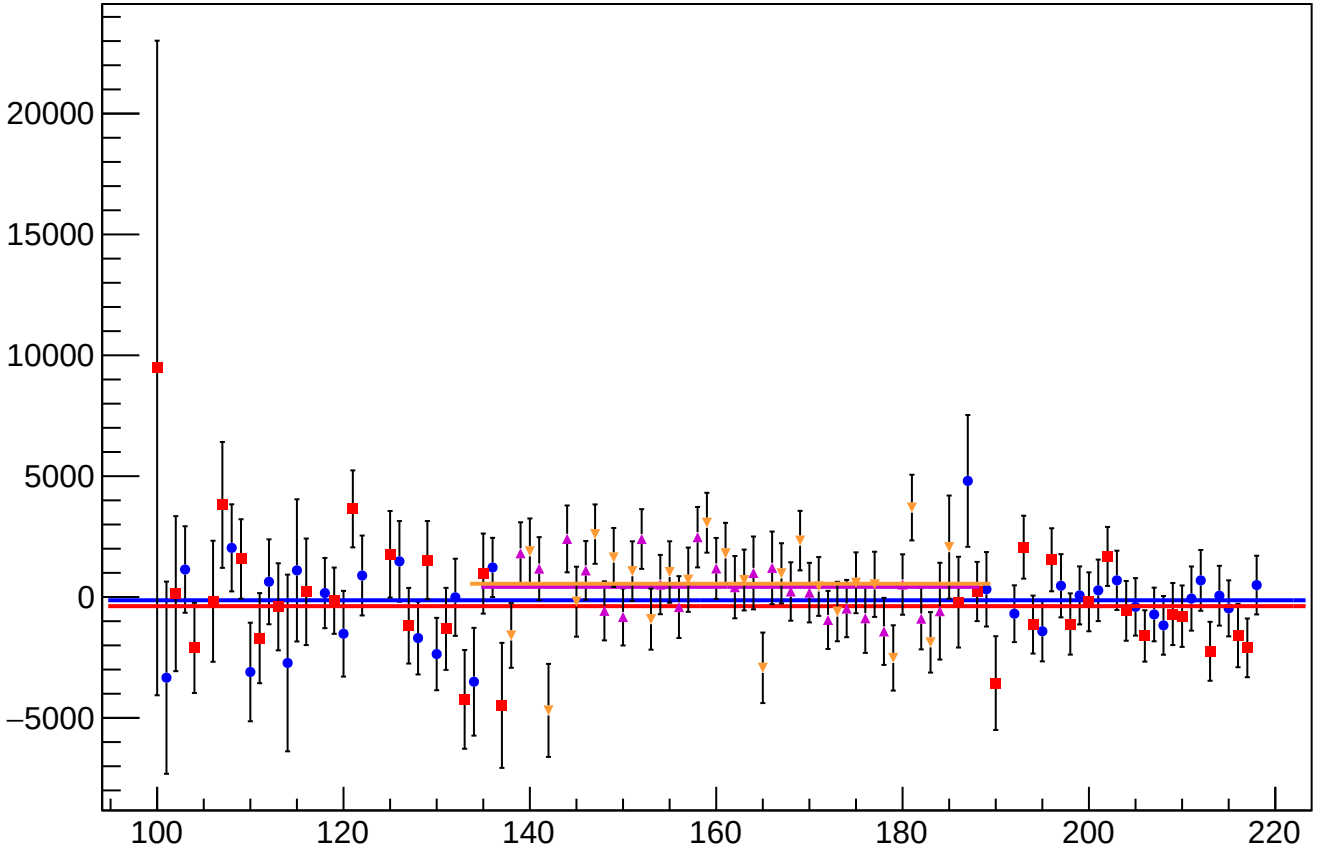
Left In: 3625.940+/-0.611 χ^2/NDF:1257928.4/22

+ sign 3182.575+/-0.387 χ^2/NDF: 8700299.4/55

All: 2599.431+/-0.243 χ^2/NDF: 38376950.6/1

- sign 2220.071+/-0.312 χ^2/NDF: 25929565.7/56

eigen_dit_asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -133.627+/-257.672 χ^2/NDF: 21.7/31

Left Out: 550.663+/-269.206 χ^2/NDF:45.2/23

Right Out: -377.634+/-260.333 χ^2/NDF: 41.5/33

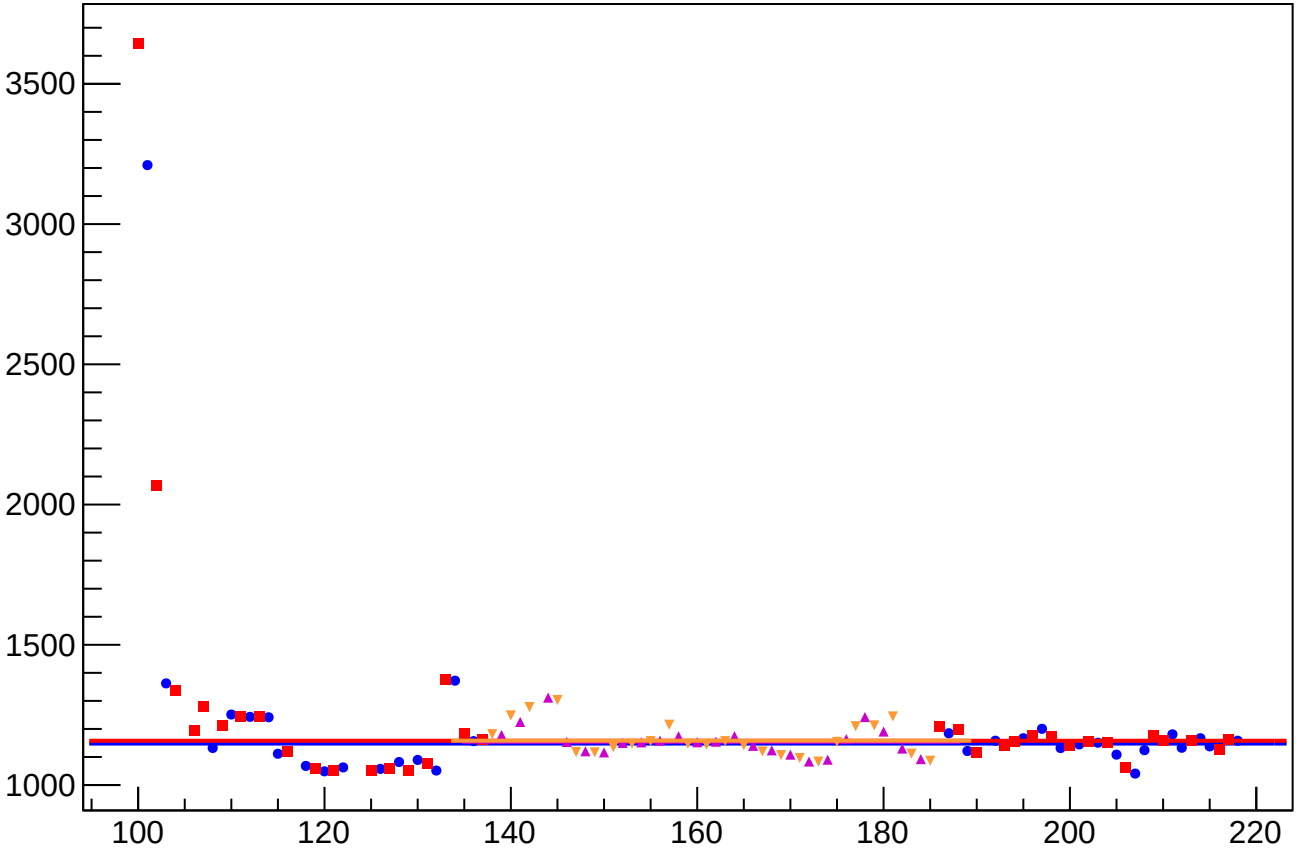
Left In: 421.022+/-269.815 χ^2/NDF:18.0/22

+ sign 193.544+/-186.146 χ^2/NDF: 70.3/55

All: 101.077+/-132.047 χ^2/NDF: 134.8/112

- sign 7.414+/-187.346 χ^2/NDF: 64.1/56

eigen_dit_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1147.868+/-0.182 χ^2/NDF: 666647.9/31

Left Out: 1158.178+/-0.190 χ^2/NDF:84114.3/23

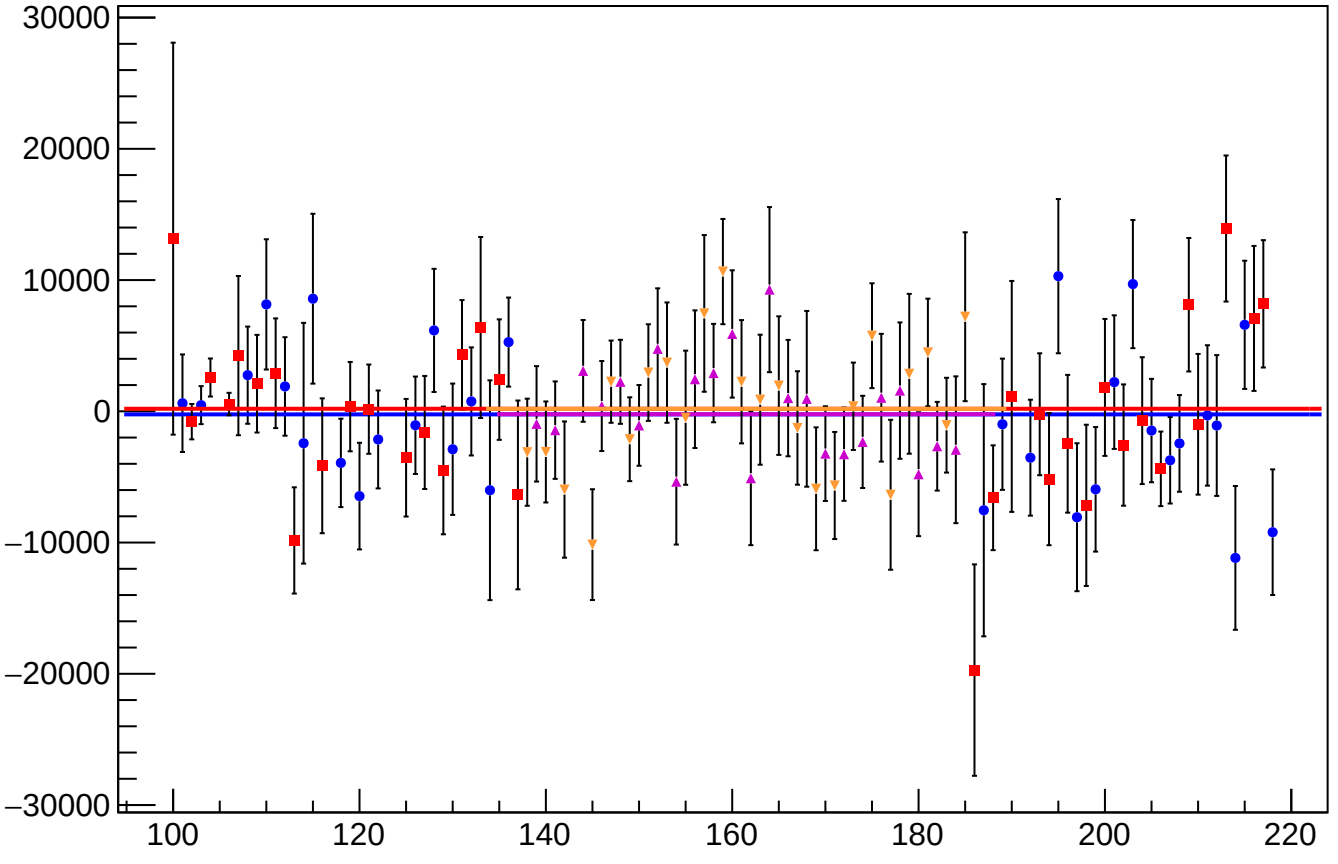
Right Out: 1157.904+/-0.184 χ^2/NDF: 357128.7/33

Left In: 1154.232+/-0.191 χ^2/NDF:66479.5/22

+ sign 1152.798+/-0.132 χ^2/NDF: 752292.8/55

All: 1154.455+/-0.093 χ^2/NDF: 1176412.0/11

- sign 1156.134+/-0.132 χ^2/NDF: 423800.0/56



Right In: -233.873+/-704.455 χ^2/NDF: 38.4/31

Left Out: 189.735+/-869.434 χ^2/NDF:29.3/23

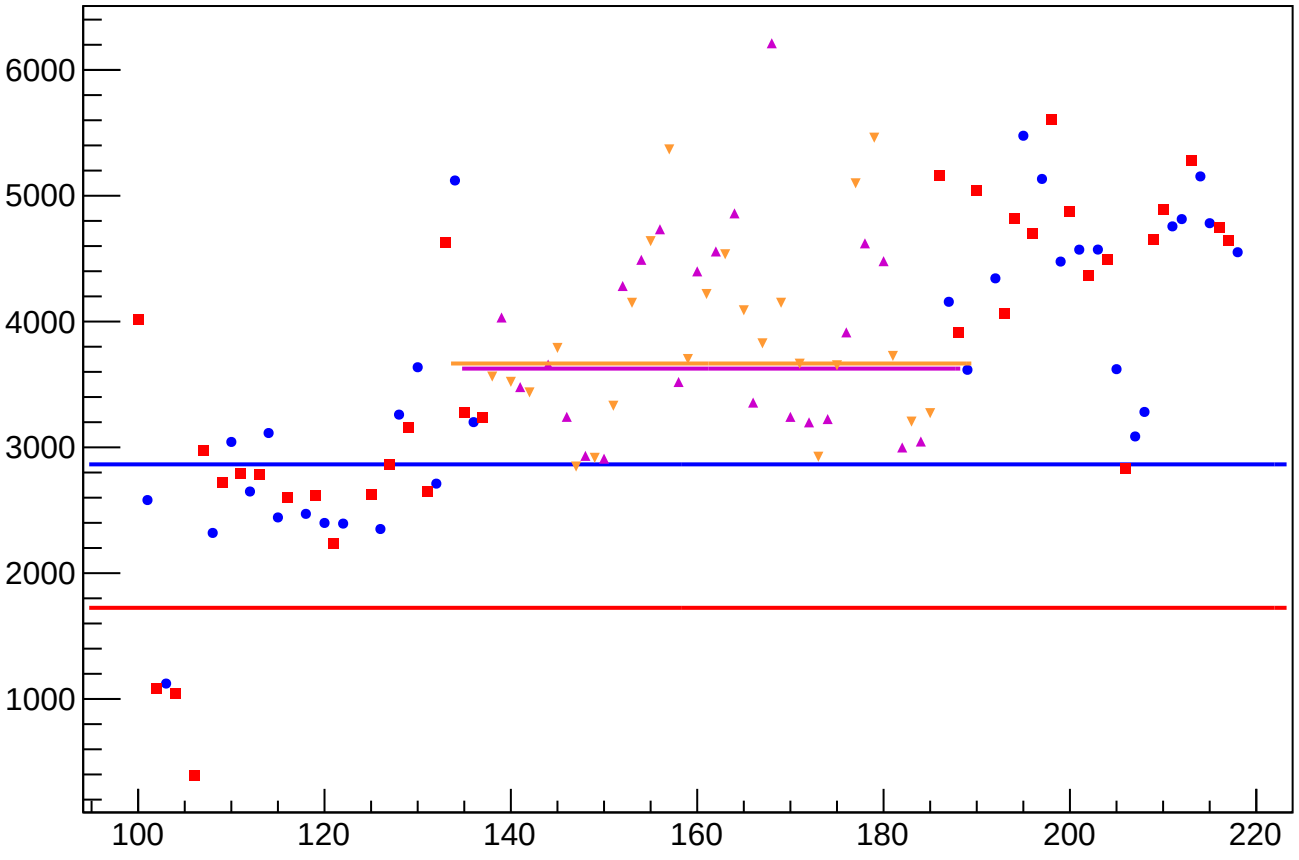
Right Out: 194.224+/-513.396 χ^2/NDF: 44.6/33

Left In: -221.363+/-864.776 χ^2/NDF:13.4/22

+ sign -65.990+/-547.341 χ^2/NDF: 67.8/55

All: 26.048+/-343.621 χ^2/NDF: 126.0/112

- sign 85.921+/-441.461 χ^2/NDF: 58.1/56



Right In: 2864.852+/-0.498 χ^2/NDF: 6577972.0/31

Left Out: 3666.541+/-0.615 χ^2/NDF:1095834.2/23

Right Out: 1724.532+/-0.363 χ^2/NDF: 17523125.3/33

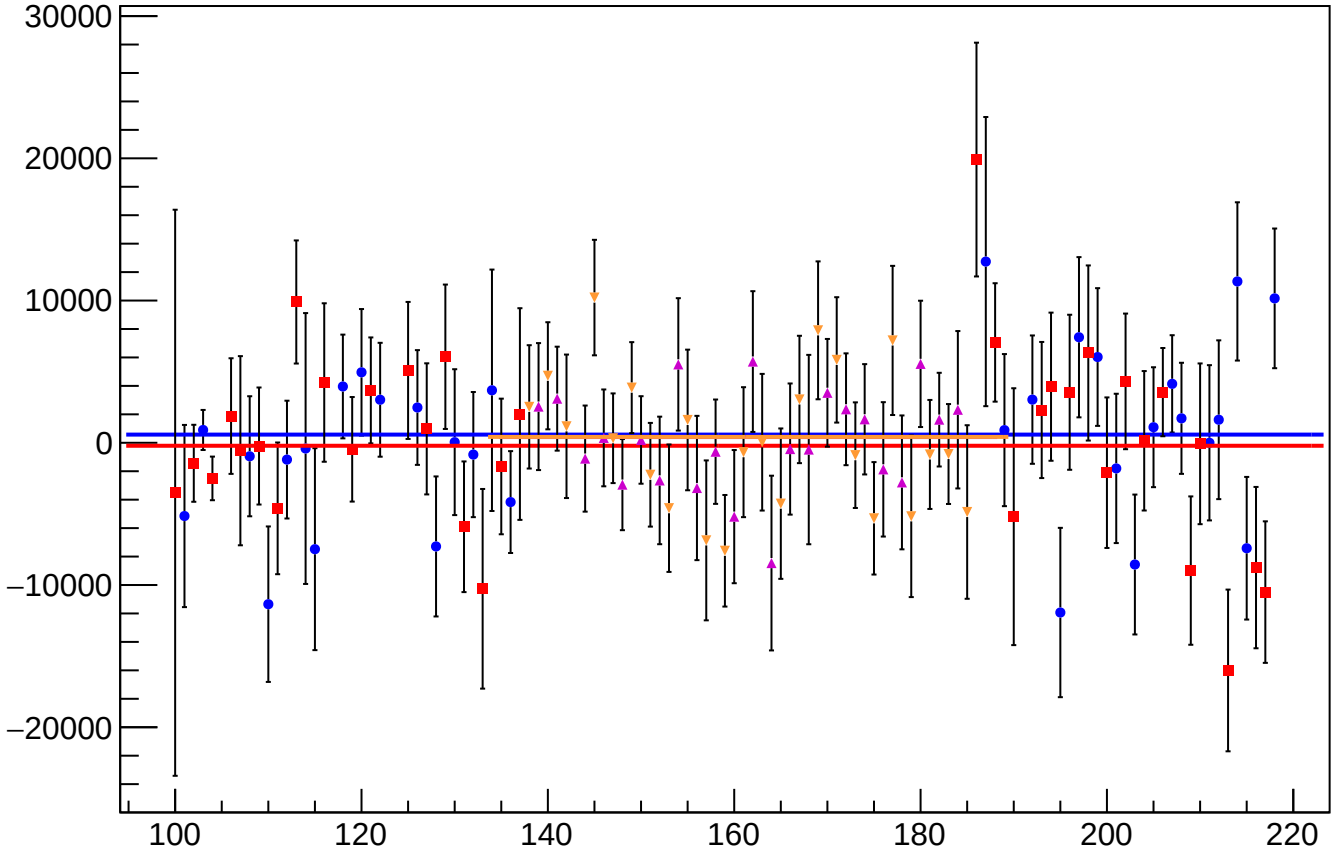
Left In: 3625.945+/-0.611 χ^2/NDF:1257933.0/22

+ sign 3182.575+/-0.387 χ^2/NDF: 8700351.3/55

All: 2599.410+/-0.243 χ^2/NDF: 38377885.1/1

- sign 2220.042+/-0.312 χ^2/NDF: 25930204.1/56

asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: 575.392+/-737.230 χ^2/NDF: 38.1/31

Left Out: 413.494+/-865.331 χ^2/NDF:27.2/23

Right Out: -209.479+/-732.330 χ^2/NDF: 48.9/33

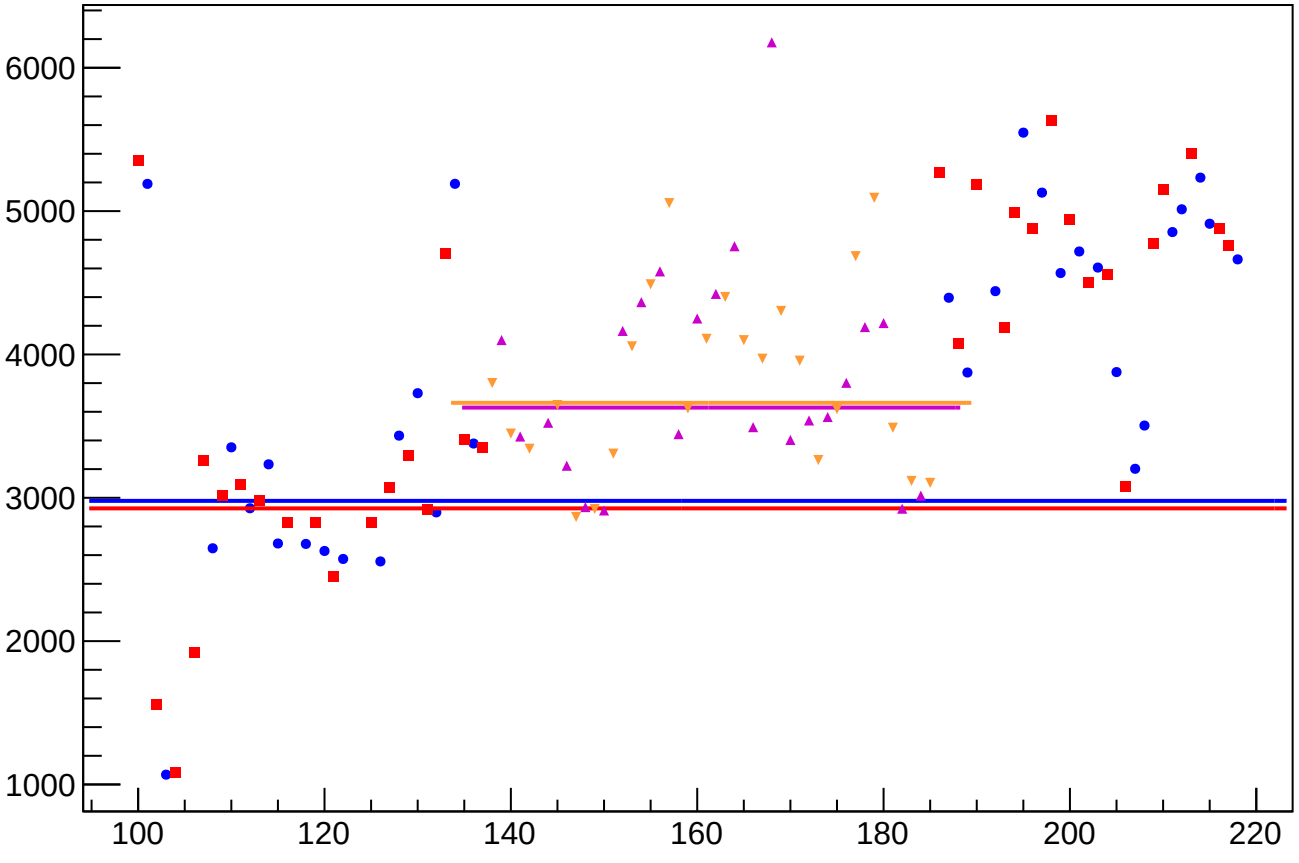
Left In: 403.543+/-862.437 χ^2/NDF:12.3/22

+ sign 507.302+/-561.180 χ^2/NDF: 65.3/55

All: 276.113+/-395.766 χ^2/NDF: 127.1/112

- sign 47.349+/-558.228 χ^2/NDF: 61.5/56

asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 2978.579+/-0.521 χ^2/NDF: 7354906.4/31

Left Out: 3662.662+/-0.612 χ^2/NDF:893468.3/23

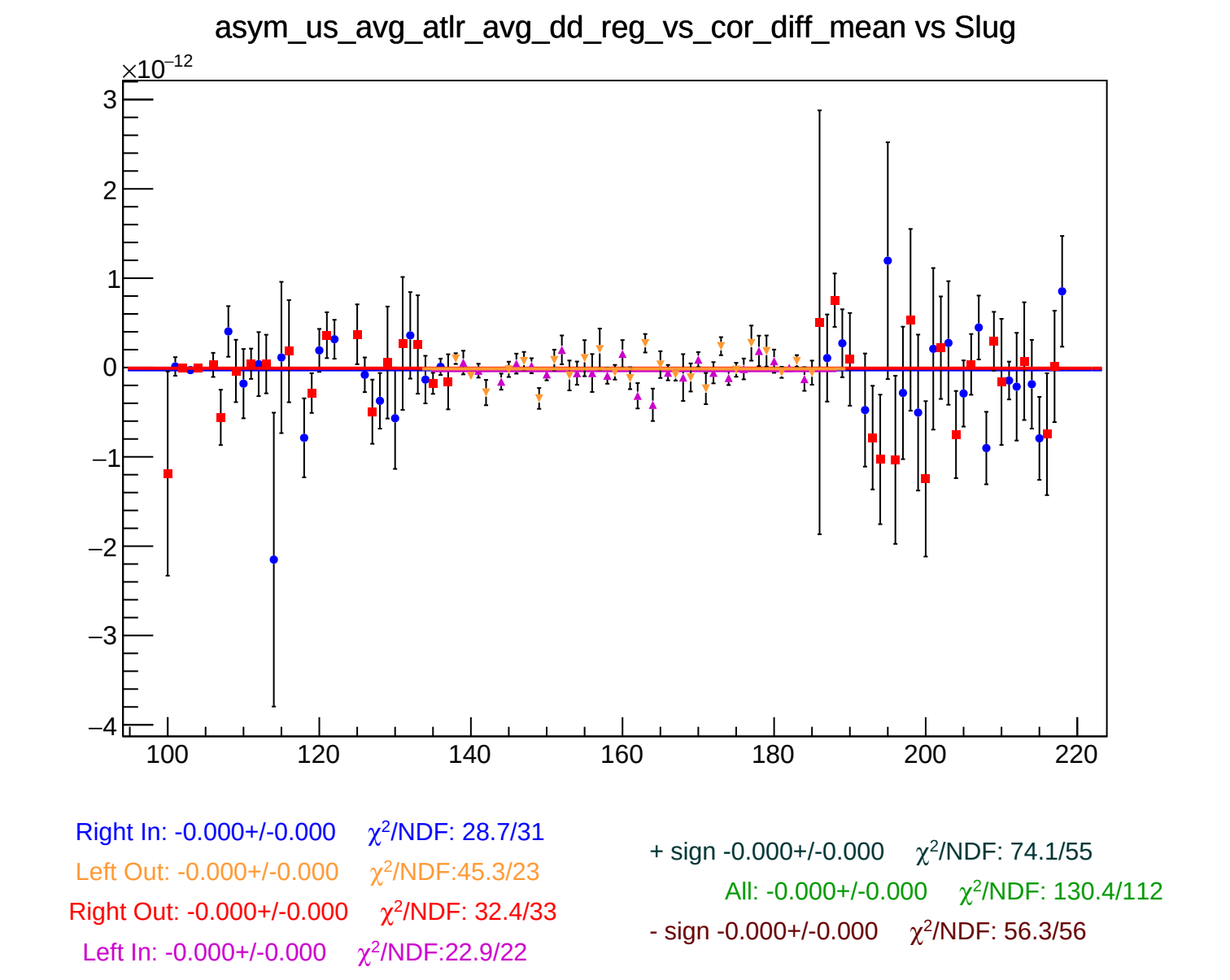
Right Out: 2926.125+/-0.517 χ^2/NDF: 7498722.5/33

Left In: 3629.184+/-0.610 χ^2/NDF:1054949.6/22

+ sign 3266.284+/-0.397 χ^2/NDF: 8972615.9/55

All: 3243.063+/-0.280 χ^2/NDF: 18306396.7/1

- sign 3220.128+/-0.394 χ^2/NDF: 9326974.1/56


asym_us_avg_atlr_avg_dd_reg_vs_cor_diff_mean vs Slug
×10^−12
3
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−1
−2
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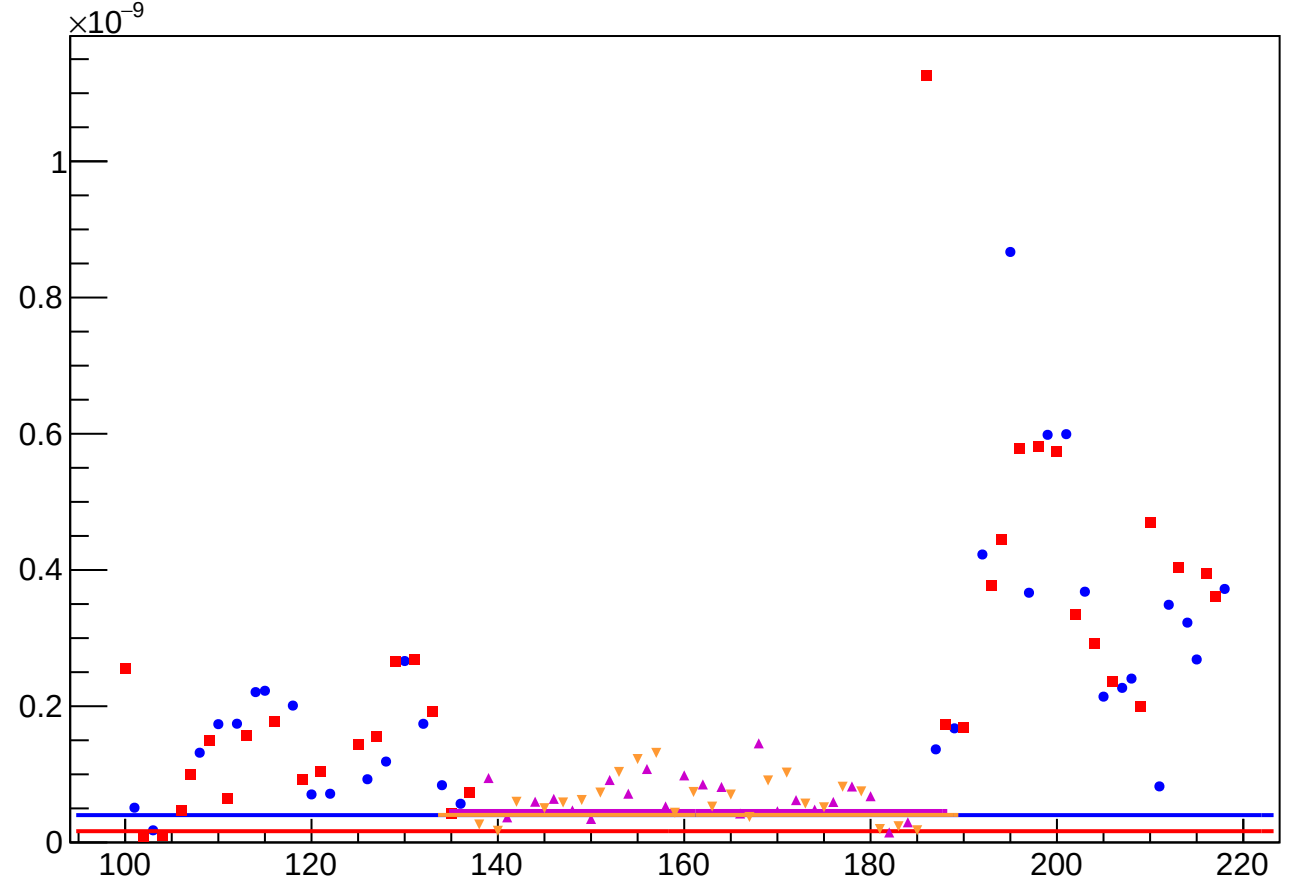
−4
100
120
140
160
180
200
220
Right In: -0.000+/-0.000 χ²/NDF: 28.7/31
Left Out: -0.000+/-0.000 χ²/NDF:45.3/23
Right Out: -0.000+/-0.000 χ²/NDF: 32.4/33
Left In: -0.000+/-0.000 χ²/NDF:22.9/22
+ sign -0.000+/-0.000 χ²/NDF: 74.1/55
All: -0.000+/-0.000 χ²/NDF: 130.4/112
- sign -0.000+/-0.000 χ²/NDF: 56.3/56



Right In: 0.000+/-0.000 χ^2/NDF: 11275303.9/31

Left Out: 0.000+/-0.000 χ^2/NDF:3432253.9/23

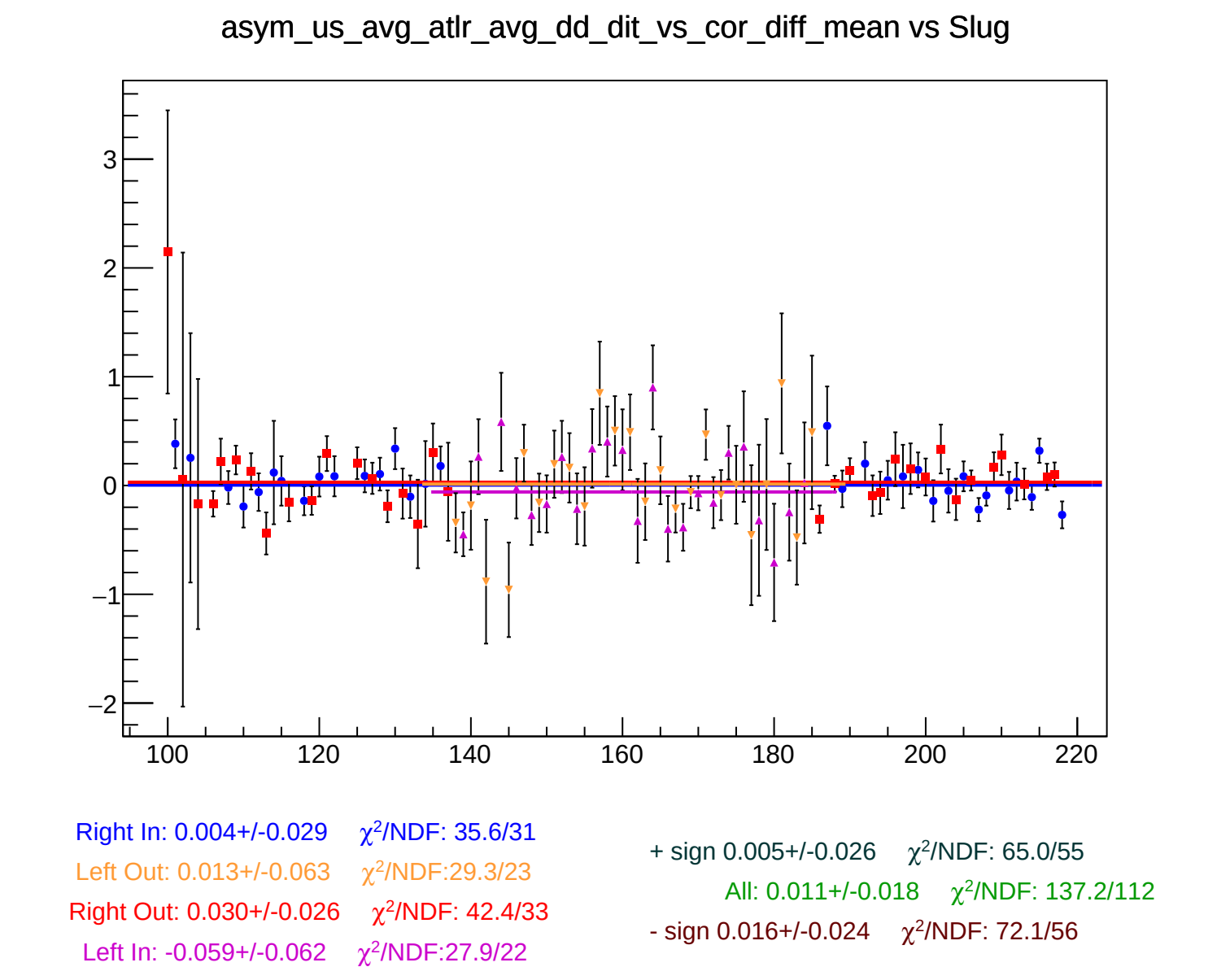
Right Out: 0.000+/-0.000 χ^2/NDF: 13983225.4/33

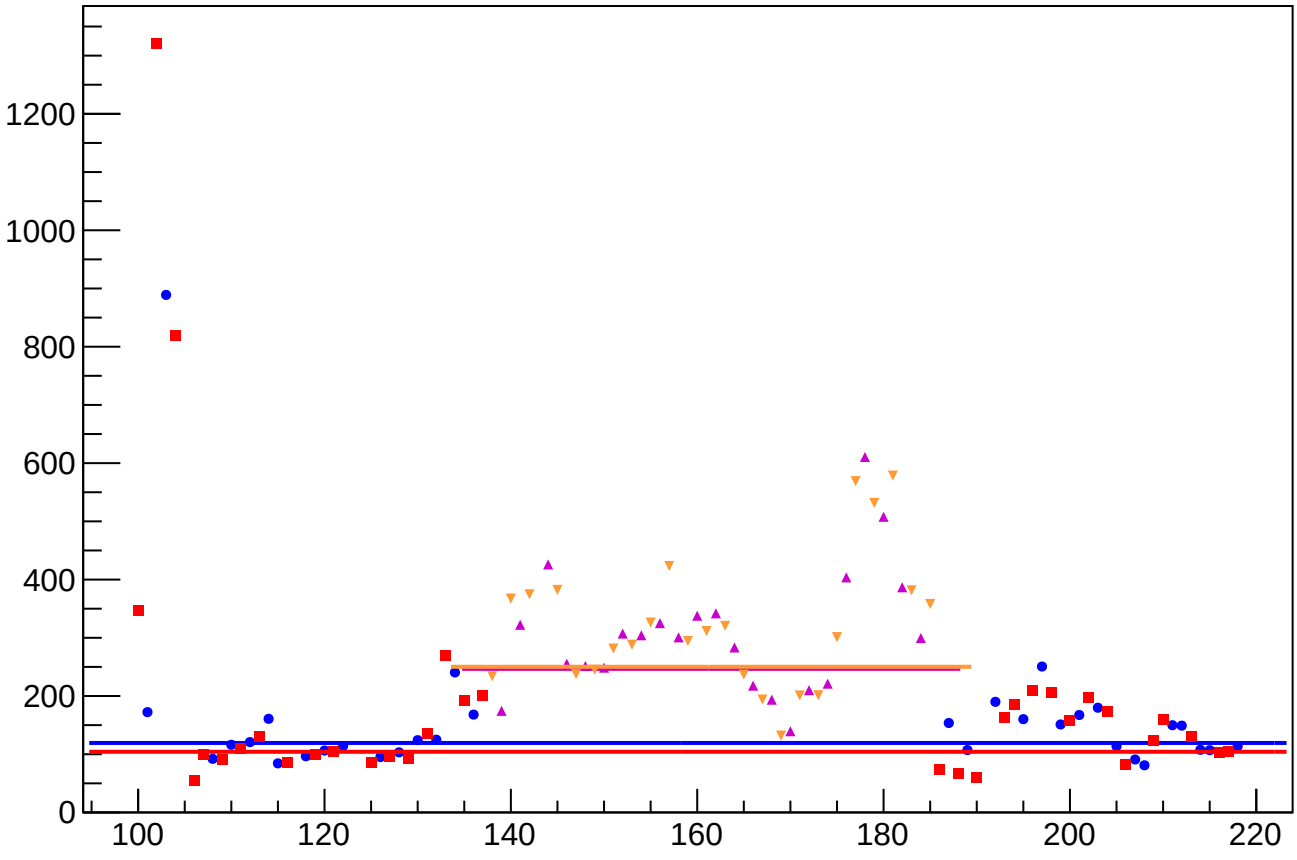
Left In: 0.000+/-0.000 χ^2/NDF:2954466.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 14707747.2/55

All: 0.000+/-0.000 χ^2/NDF: 35443407.3/112

- sign 0.000+/-0.000 χ^2/NDF: 19747027.7/56


asym_us_avg_atlr_avg_dd_dit_vs_cor_diff_mean vs Slug
3
2
1
0
−1
−2
100
120
140
160
180
200
220
Right In: 0.004+/-0.029 χ²/NDF: 35.6/31
Left Out: 0.013+/-0.063 χ²/NDF:29.3/23
Right Out: 0.030+/-0.026 χ²/NDF: 42.4/33
Left In: -0.059+/-0.062 χ²/NDF:27.9/22
+ sign 0.005+/-0.026 χ²/NDF: 65.0/55
All: 0.011+/-0.018 χ²/NDF: 137.2/112
- sign 0.016+/-0.024 χ²/NDF: 72.1/56



Right In: 119.387+/-0.020 χ^2/NDF: 3467455.0/31

Left Out: 250.247+/-0.045 χ^2/NDF:4353162.7/23

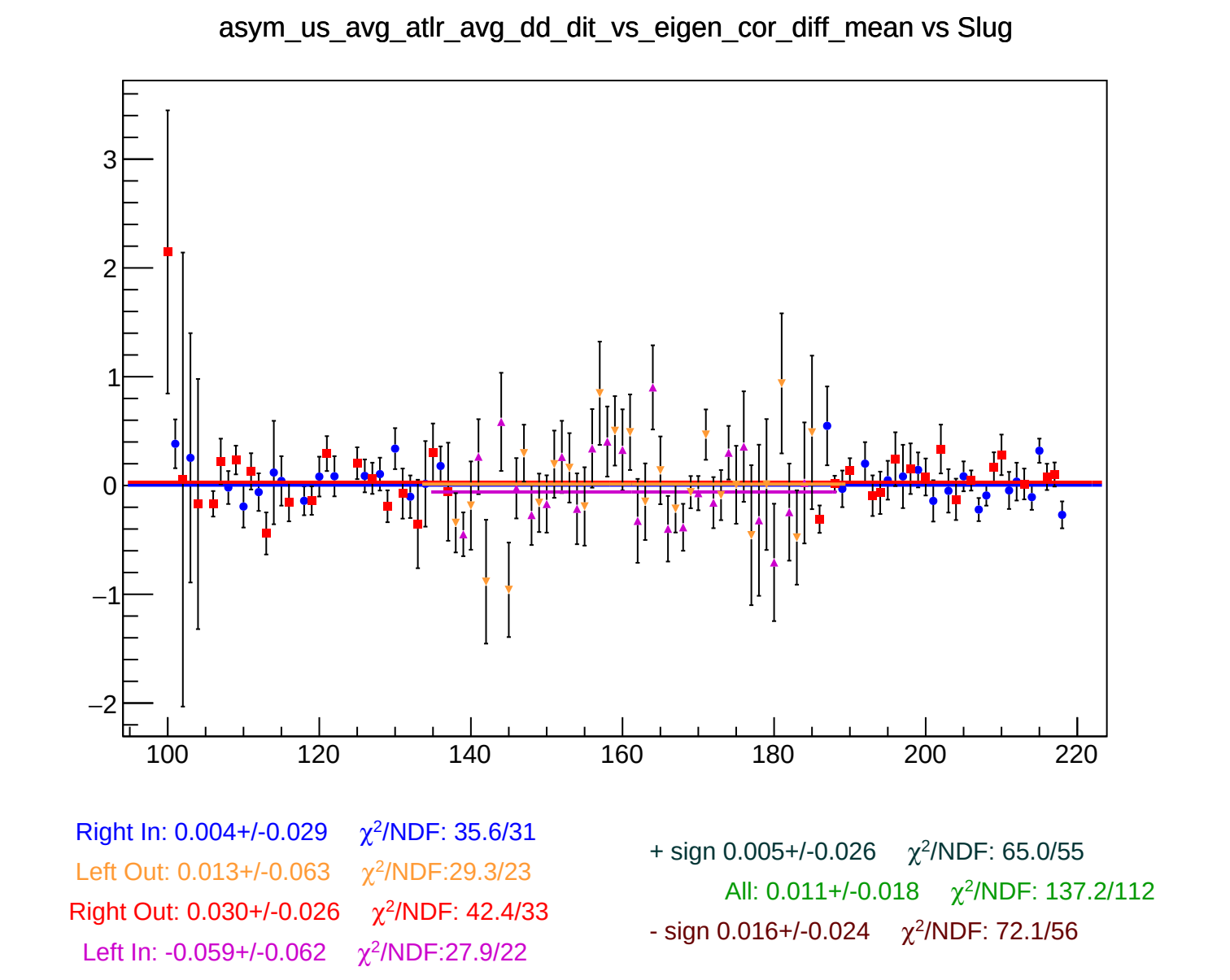
Right Out: 104.227+/-0.019 χ^2/NDF: 6123765.9/33

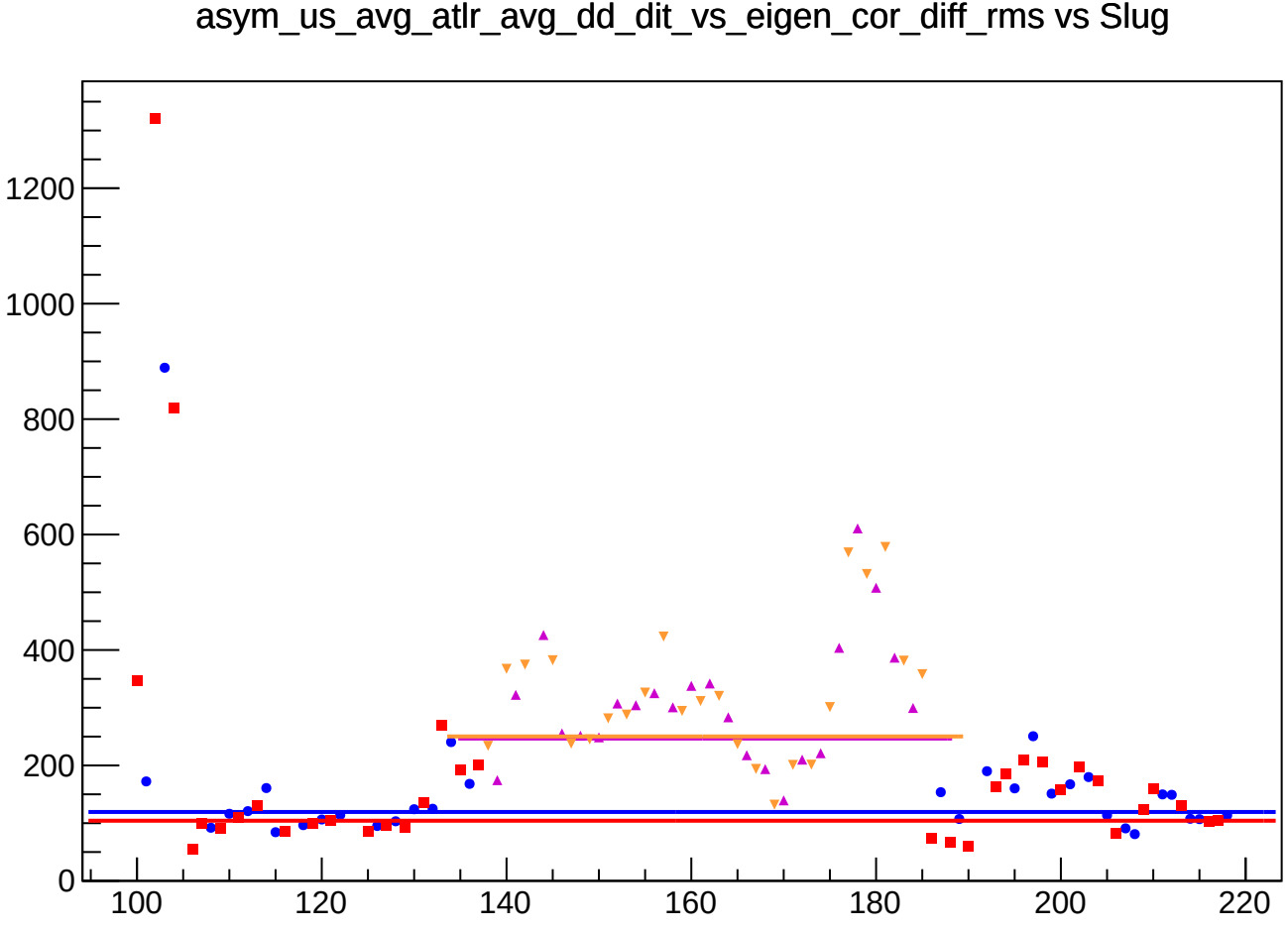
Left In: 246.630+/-0.044 χ^2/NDF:3773083.4/22

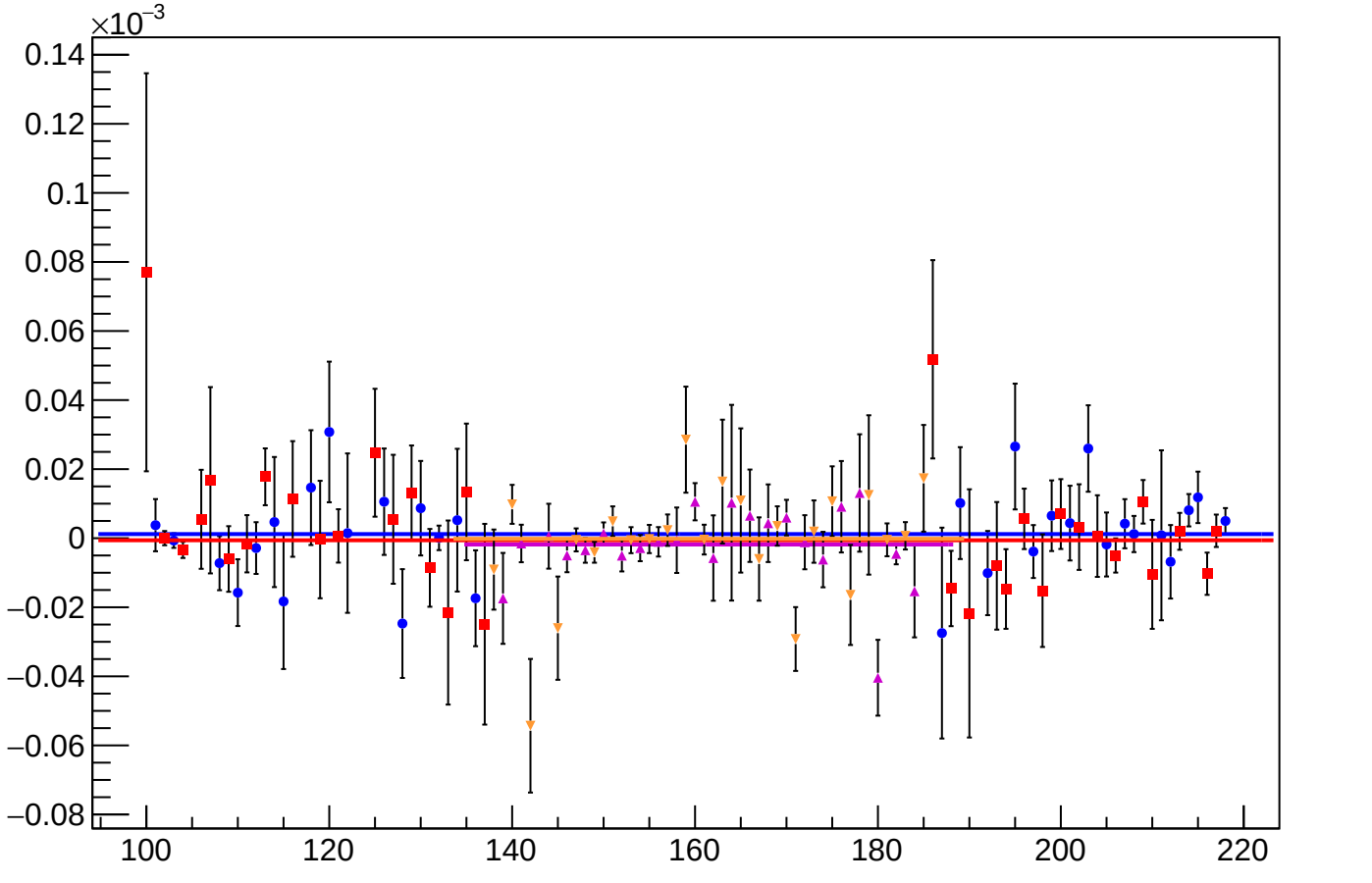
+ sign 142.244+/-0.019 χ^2/NDF: 14940572.8/55

All: 133.541+/-0.013 χ^2/NDF: 34167906.7/11

- sign 126.120+/-0.017 χ^2/NDF: 18822557.2/56


asym_us_avg_atlr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug
3
2
1
0
−1
−2
100
120
140
160
180
200
220
Right In: 0.004+/-0.029 χ²/NDF: 35.6/31
Left Out: 0.013+/-0.063 χ²/NDF:29.3/23
Right Out: 0.030+/-0.026 χ²/NDF: 42.4/33
Left In: -0.059+/-0.062 χ²/NDF:27.9/22
+ sign 0.005+/-0.026 χ²/NDF: 65.0/55
All: 0.011+/-0.018 χ²/NDF: 137.2/112
- sign 0.016+/-0.024 χ²/NDF: 72.1/56


asym_us_avg_atlr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug
1200
1000
800
600
400
200
0
100
120
140
160
180
200
220
Right In: 119.387+/-0.020 χ²/NDF: 3467455.0/31
Left Out: 250.247+/-0.045 χ²/NDF:4353162.7/23
Right Out: 104.227+/-0.019 χ²/NDF: 6123765.9/33
Left In: 246.630+/-0.044 χ²/NDF:3773083.4/22
+ sign 142.244+/-0.019 χ²/NDF: 14940572.8/55
All: 133.541+/-0.013 χ²/NDF: 34167906.7/11
- sign 126.120+/-0.017 χ²/NDF: 18822557.2/56



Right In: 0.000+/-0.000 χ^2/NDF: 29.3/31

Left Out: -0.000+/-0.000 χ^2/NDF:37.2/23

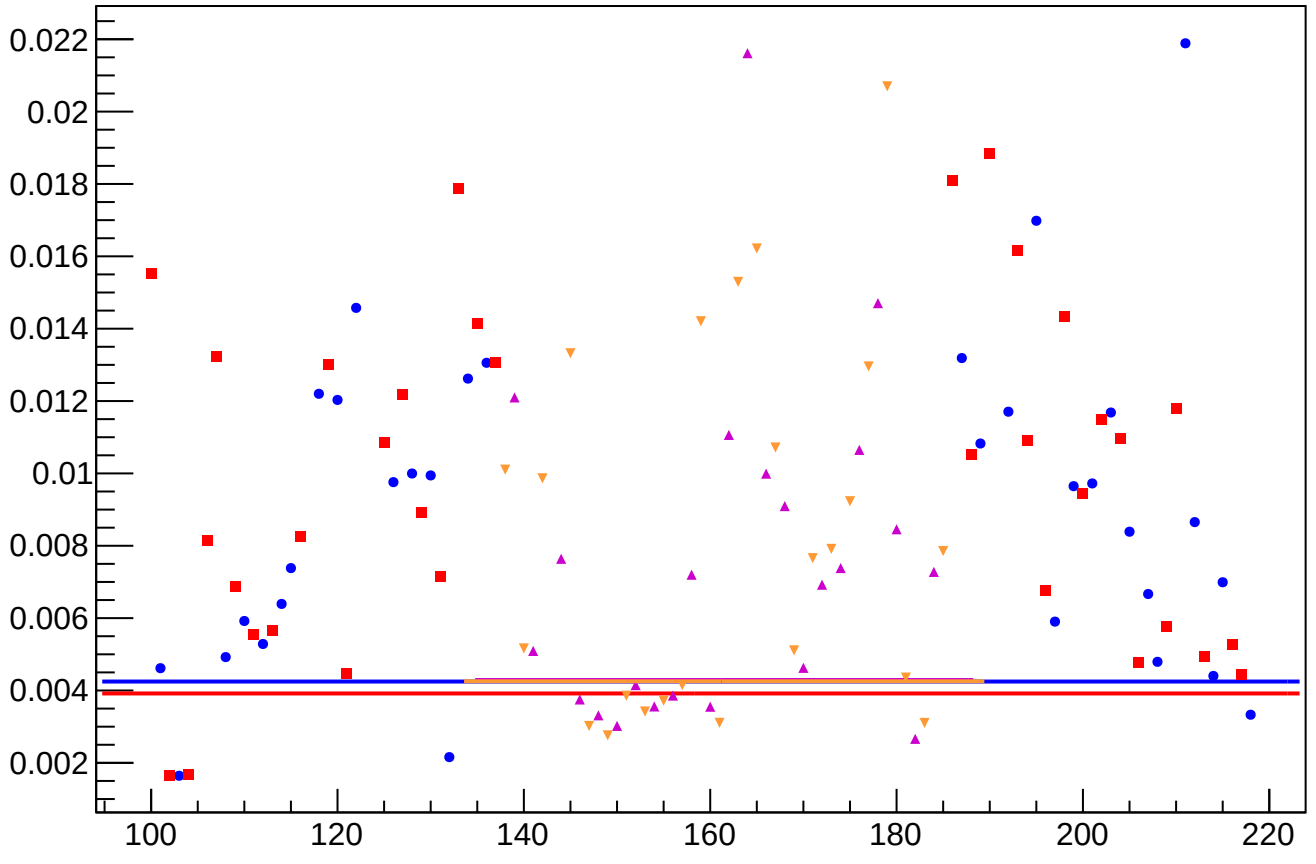
Right Out: -0.000+/-0.000 χ^2/NDF: 31.4/33

Left In: -0.000+/-0.000 χ^2/NDF:28.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 67.1/55

All: -0.000+/-0.000 χ^2/NDF: 129.3/112

- sign -0.000+/-0.000 χ^2/NDF: 60.2/56



Right In: 0.004+/-0.000 χ^2/NDF: 13590651.6/31

Left Out: 0.004+/-0.000 χ^2/NDF:8492565.6/23

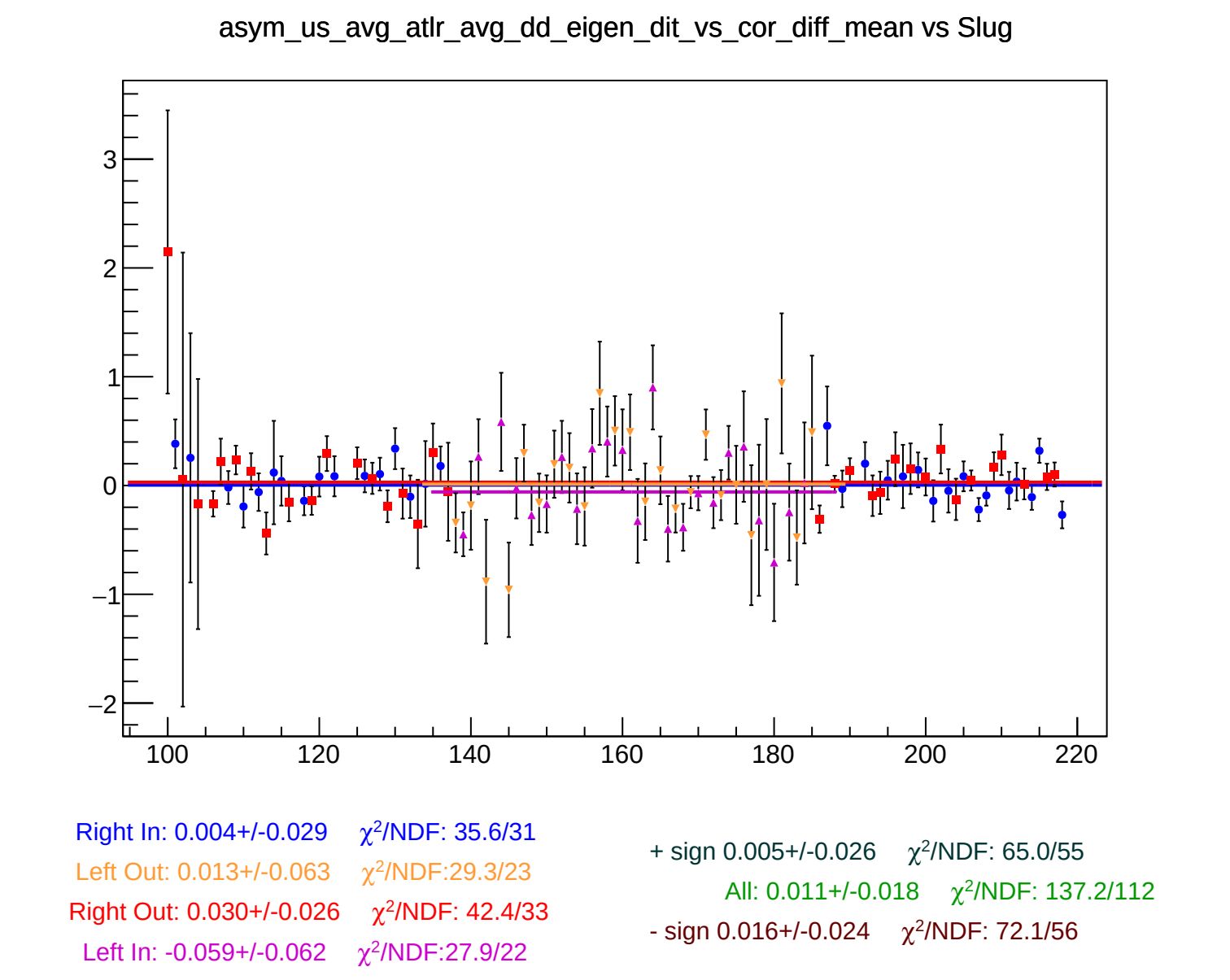
Right Out: 0.004+/-0.000 χ^2/NDF: 15365237.6/33

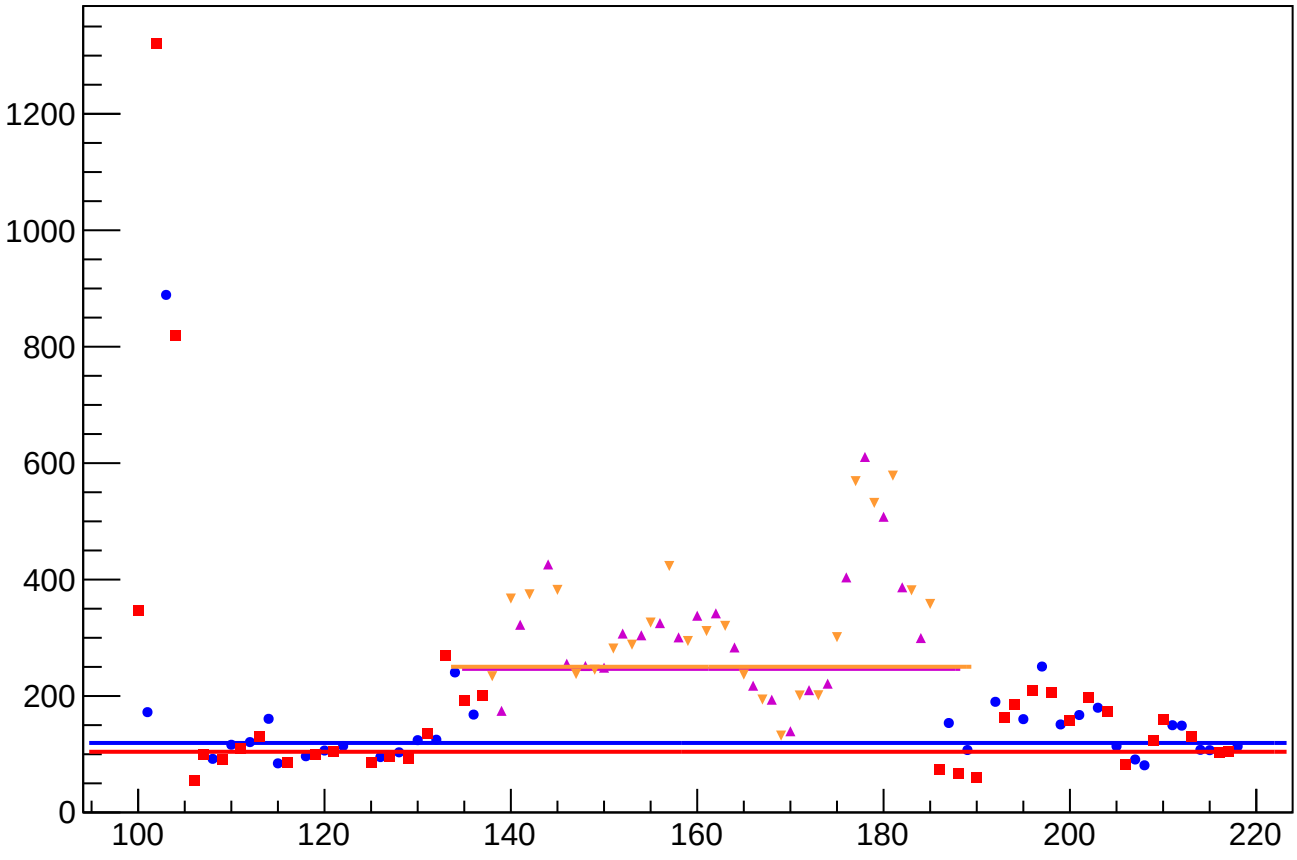
Left In: 0.004+/-0.000 χ^2/NDF:6598609.8/22

+ sign 0.004+/-0.000 χ^2/NDF: 22083249.2/55

All: 0.004+/-0.000 χ^2/NDF: 44181171.0/112

- sign 0.004+/-0.000 χ^2/NDF: 22064527.9/56


asym_us_avg_atlr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug
3
2
1
0
−1
−2
100
120
140
160
180
200
220
Right In: 0.004+/-0.029 χ²/NDF: 35.6/31
Left Out: 0.013+/-0.063 χ²/NDF:29.3/23
Right Out: 0.030+/-0.026 χ²/NDF: 42.4/33
Left In: -0.059+/-0.062 χ²/NDF:27.9/22
+ sign 0.005+/-0.026 χ²/NDF: 65.0/55
All: 0.011+/-0.018 χ²/NDF: 137.2/112
- sign 0.016+/-0.024 χ²/NDF: 72.1/56



Right In: 119.386+/-0.020 χ^2/NDF: 3467539.2/31

Left Out: 250.248+/-0.045 χ^2/NDF:4353323.9/23

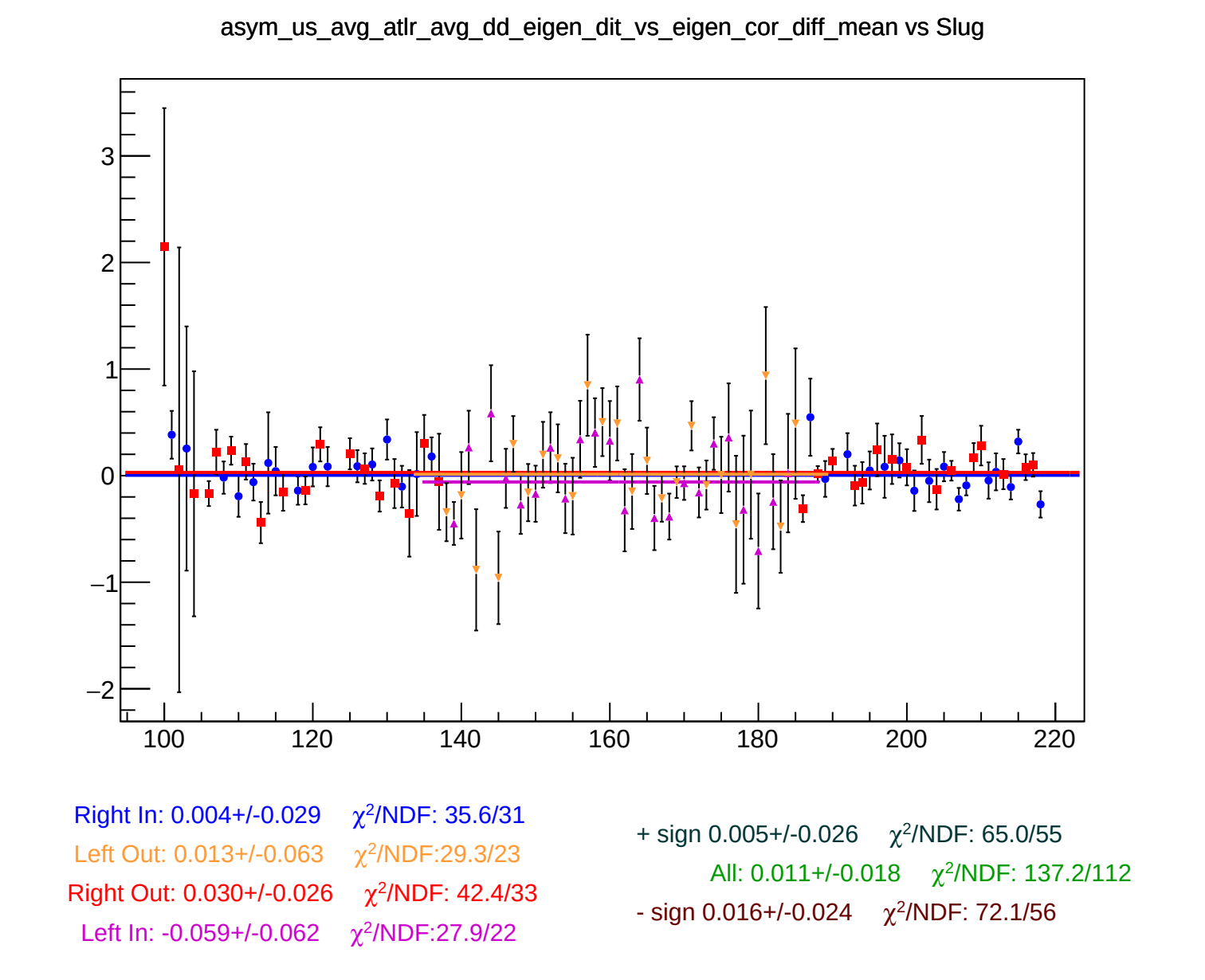
Right Out: 104.223+/-0.019 χ^2/NDF: 6124340.8/33

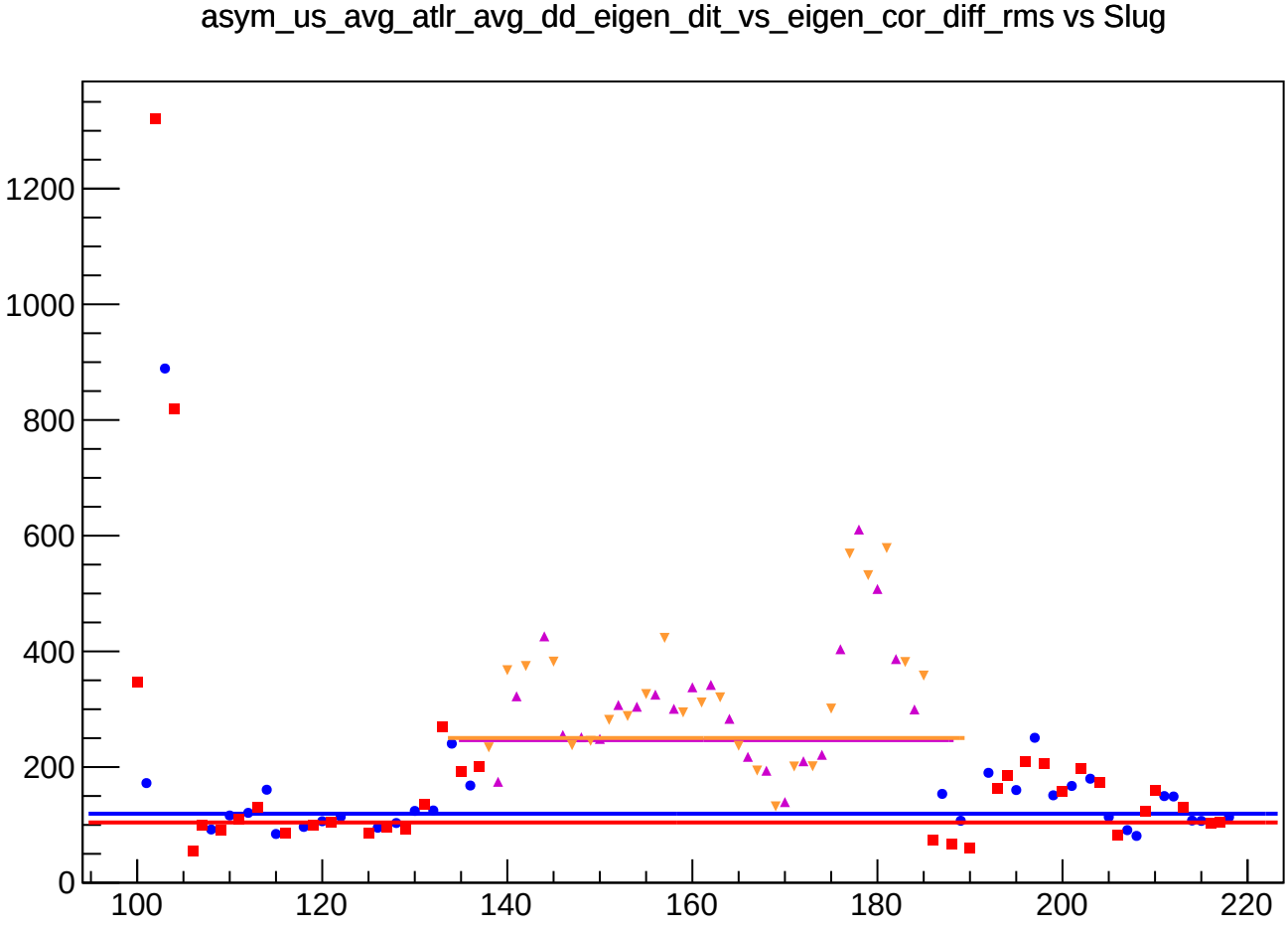
Left In: 246.632+/-0.044 χ^2/NDF:3773144.3/22

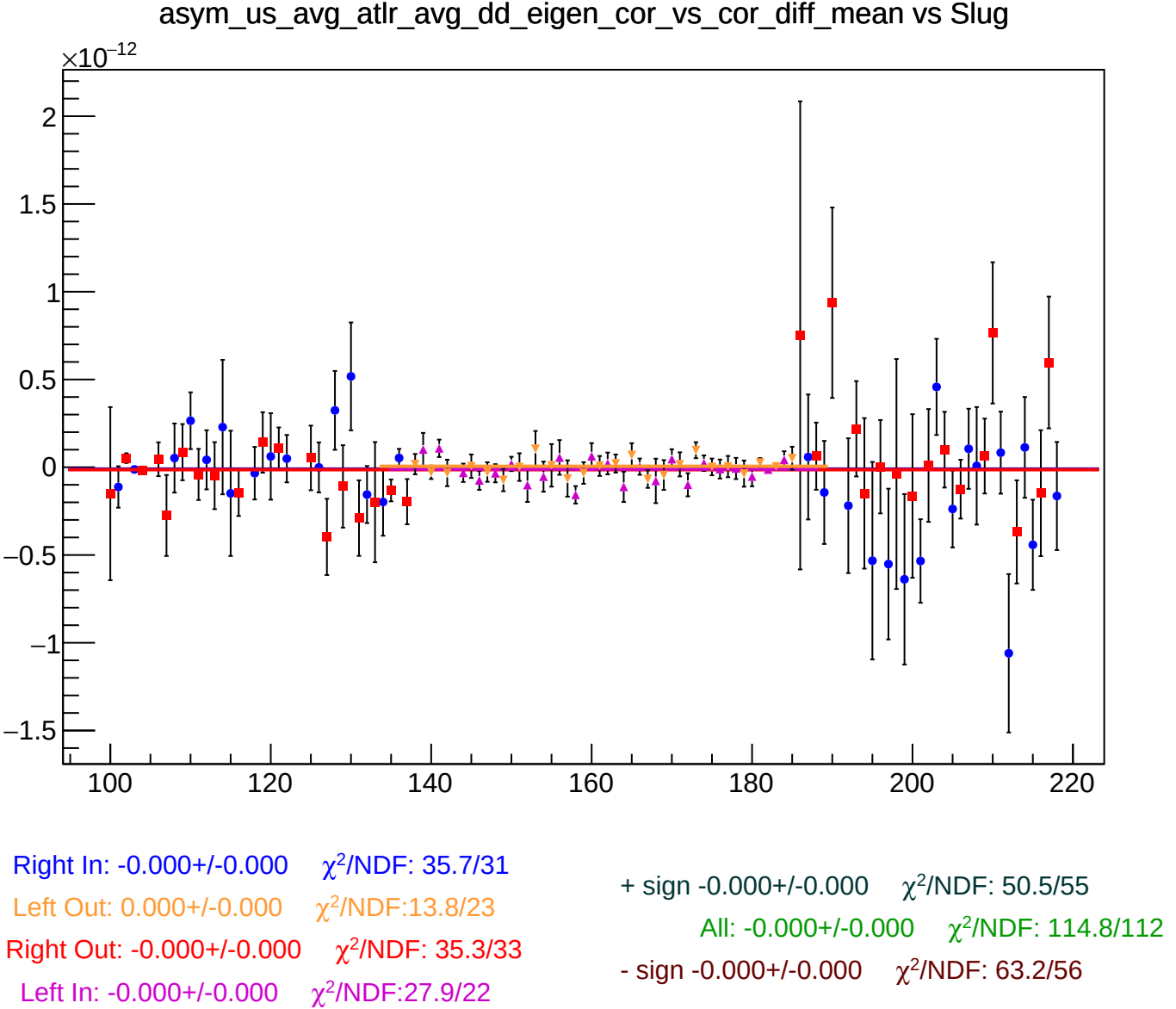
+ sign 142.243+/-0.019 χ^2/NDF: 14940956.9/55

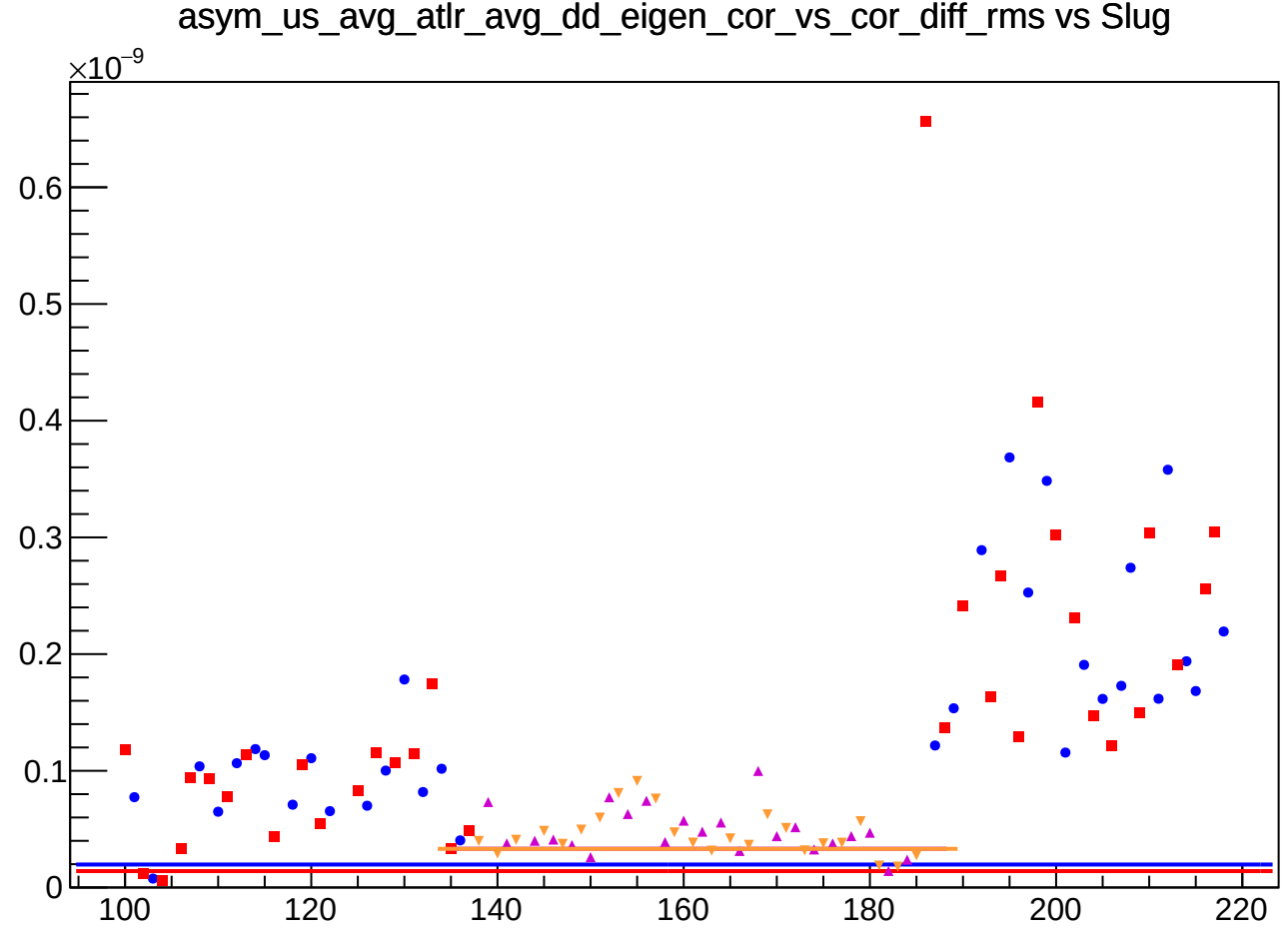
All: 133.538+/-0.013 χ^2/NDF: 34169689.2/11

- sign 126.116+/-0.017 χ^2/NDF: 18823808.7/56


asym_us_avg_atlr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug
3
2
1
0
−1
−2
100
120
140
160
180
200
220
Right In: 0.004+/-0.029 χ²/NDF: 35.6/31
Left Out: 0.013+/-0.063 χ²/NDF:29.3/23
Right Out: 0.030+/-0.026 χ²/NDF: 42.4/33
Left In: -0.059+/-0.062 χ²/NDF:27.9/22
+ sign 0.005+/-0.026 χ²/NDF: 65.0/55
All: 0.011+/-0.018 χ²/NDF: 137.2/112
- sign 0.016+/-0.024 χ²/NDF: 72.1/56


asym_us_avg_atlr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug
1200
1000
800
600
400
200
0
100
120
140
160
180
200
220
Right In: 119.386+/-0.020 χ²/NDF: 3467539.2/31
Left Out: 250.248+/-0.045 χ²/NDF:4353323.9/23
Right Out: 104.223+/-0.019 χ²/NDF: 6124340.8/33
Left In: 246.632+/-0.044 χ²/NDF:3773144.3/22
+ sign 142.243+/-0.019 χ²/NDF: 14940956.9/55
All: 133.538+/-0.013 χ²/NDF: 34169689.2/11
- sign 126.116+/-0.017 χ²/NDF: 18823808.7/56


asym_us_avg_atlr_avg_dd_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
2
1.5
1
0.5
0
−0.5
−1
−1.5
100
120
140
160
180
200
220
Right In: -0.000+/-0.000 χ²/NDF: 35.7/31
Left Out: 0.000+/-0.000 χ²/NDF:13.8/23
Right Out: -0.000+/-0.000 χ²/NDF: 35.3/33
Left In: -0.000+/-0.000 χ²/NDF:27.9/22
+ sign -0.000+/-0.000 χ²/NDF: 50.5/55
All: -0.000+/-0.000 χ²/NDF: 114.8/112
- sign -0.000+/-0.000 χ²/NDF: 63.2/56



Right In: 0.000+/-0.000 χ^2/NDF: 18135983.0/31

Left Out: 0.000+/-0.000 χ^2/NDF:4025318.1/23

Right Out: 0.000+/-0.000 χ^2/NDF: 18061435.8/33

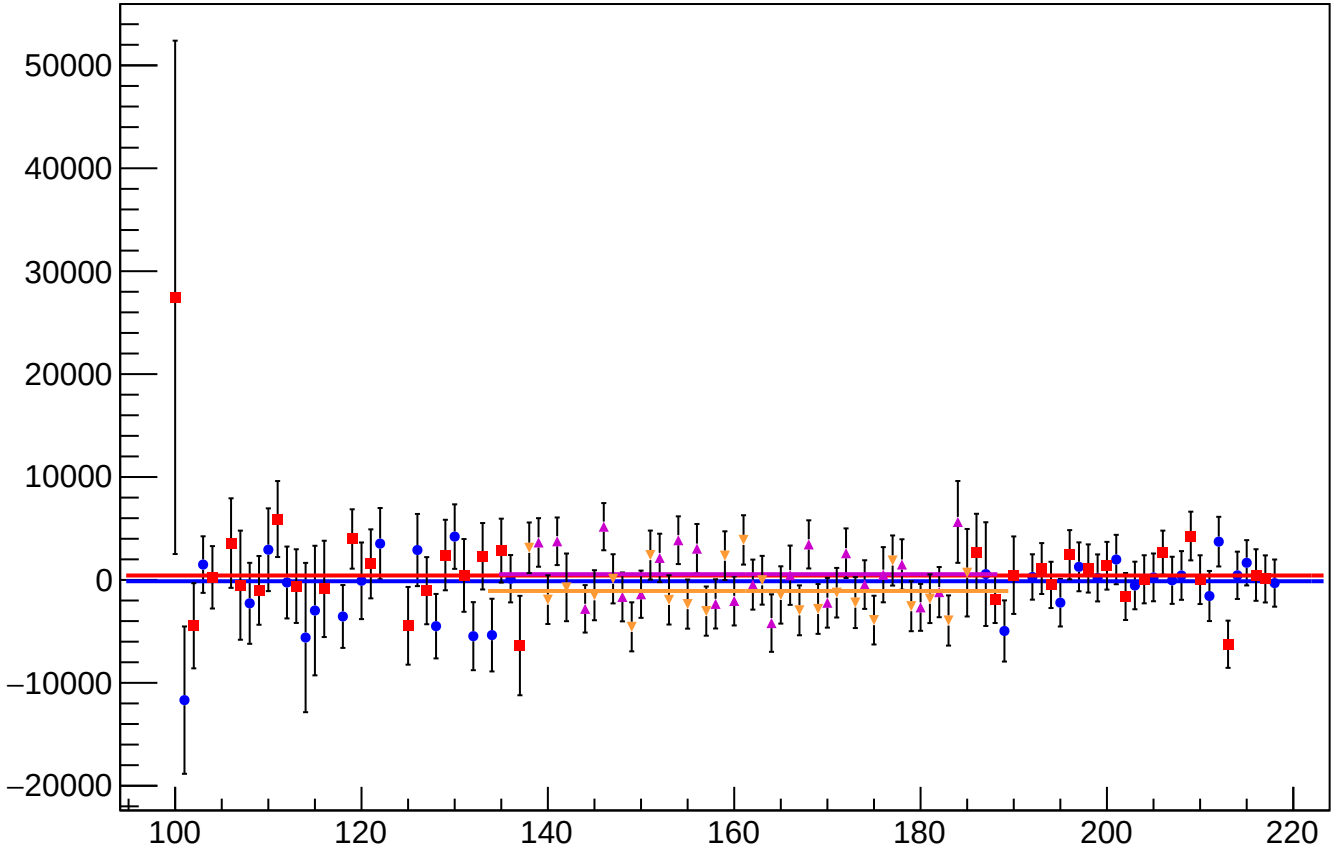
Left In: 0.000+/-0.000 χ^2/NDF:5018453.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 23550169.9/55

All: 0.000+/-0.000 χ^2/NDF: 50556816.7/112

- sign 0.000+/-0.000 χ^2/NDF: 26652400.6/56

reg_asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -126.223+/-495.672 χ^2/NDF: 24.8/31

Left Out: -1072.863+/-505.534 χ^2/NDF:21.6/23

Right Out: 430.793+/-497.069 χ^2/NDF: 28.1/33

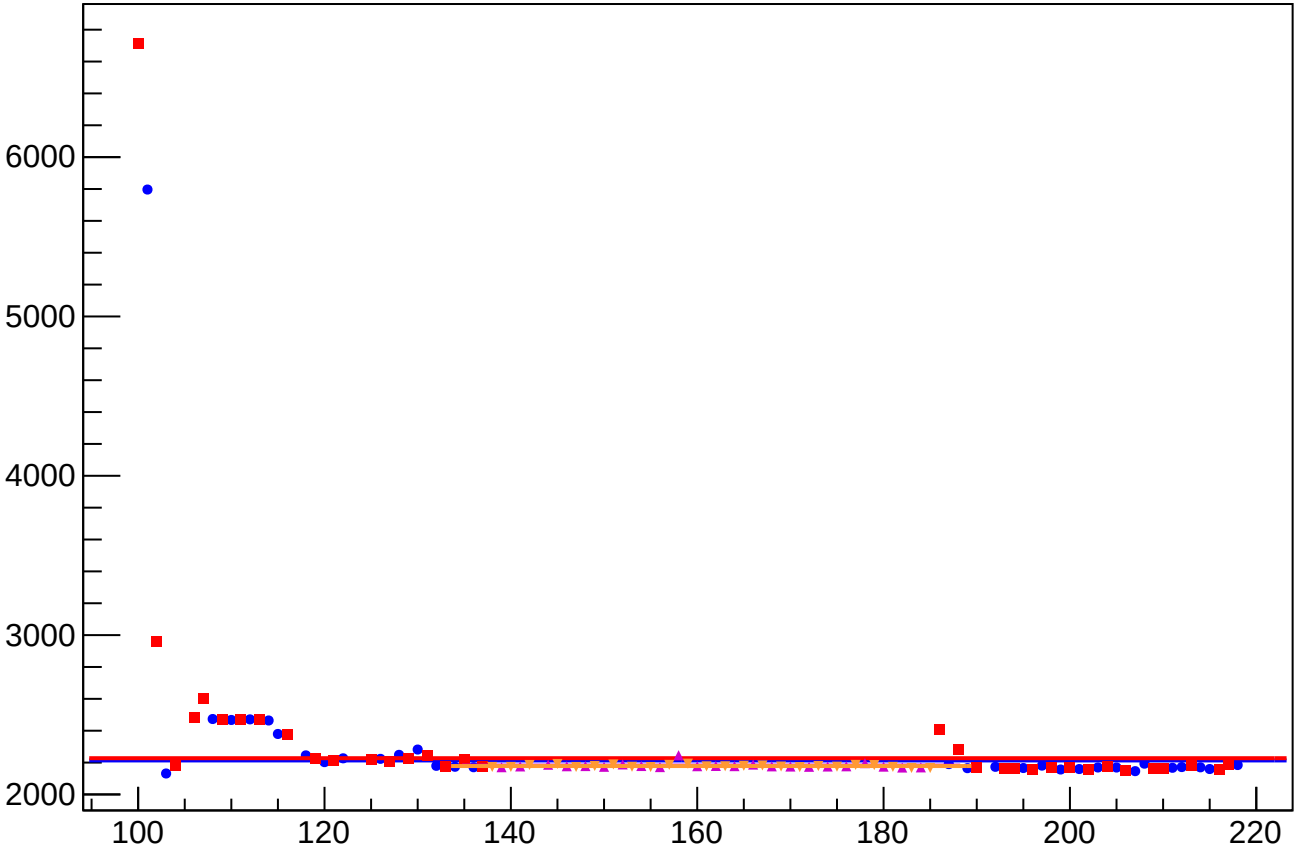
Left In: 557.052+/-509.208 χ^2/NDF:28.7/22

+ sign -590.219+/-353.928 χ^2/NDF: 48.1/55

All: -51.605+/-250.887 χ^2/NDF: 109.6/112

- sign 492.400+/-355.695 χ^2/NDF: 56.8/56

reg_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2213.450+/-0.350 χ^2/NDF: 548557.9/31

Left Out: 2178.244+/-0.357 χ^2/NDF:389.1/23

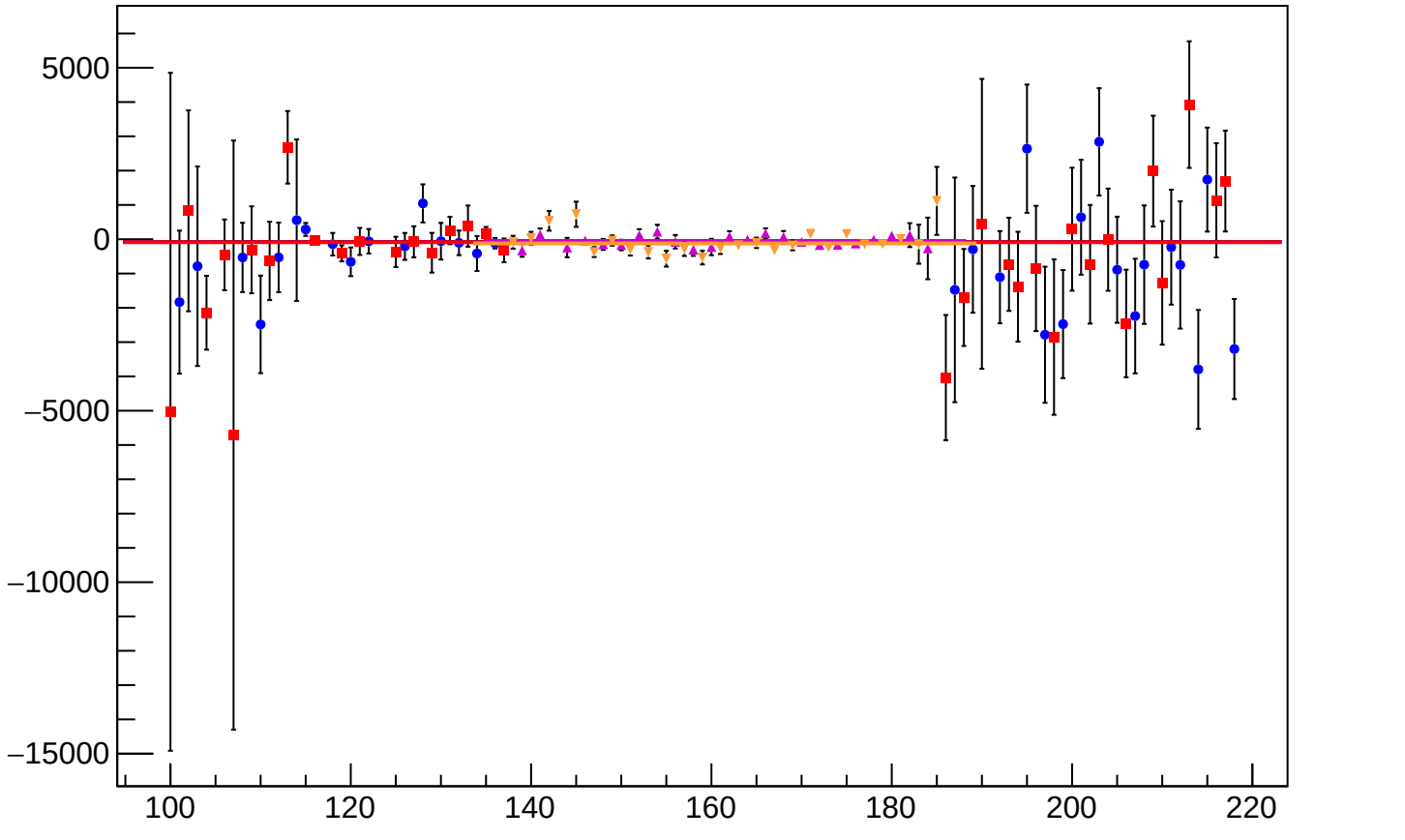
Right Out: 2227.427+/-0.351 χ^2/NDF: 200423.5/33

Left In: 2180.919+/-0.360 χ^2/NDF:1866.2/22

+ sign 2196.194+/-0.250 χ^2/NDF: 553892.4/55

All: 2200.443+/-0.177 χ^2/NDF: 765304.7/112

- sign 2204.734+/-0.252 χ^2/NDF: 210833.0/56



Right In: -78.406+/-88.865 χ^2/NDF: 38.1/31

Left Out: -123.007+/-31.408 χ^2/NDF:43.8/23

Right Out: -86.048+/-80.863 χ^2/NDF: 37.5/33

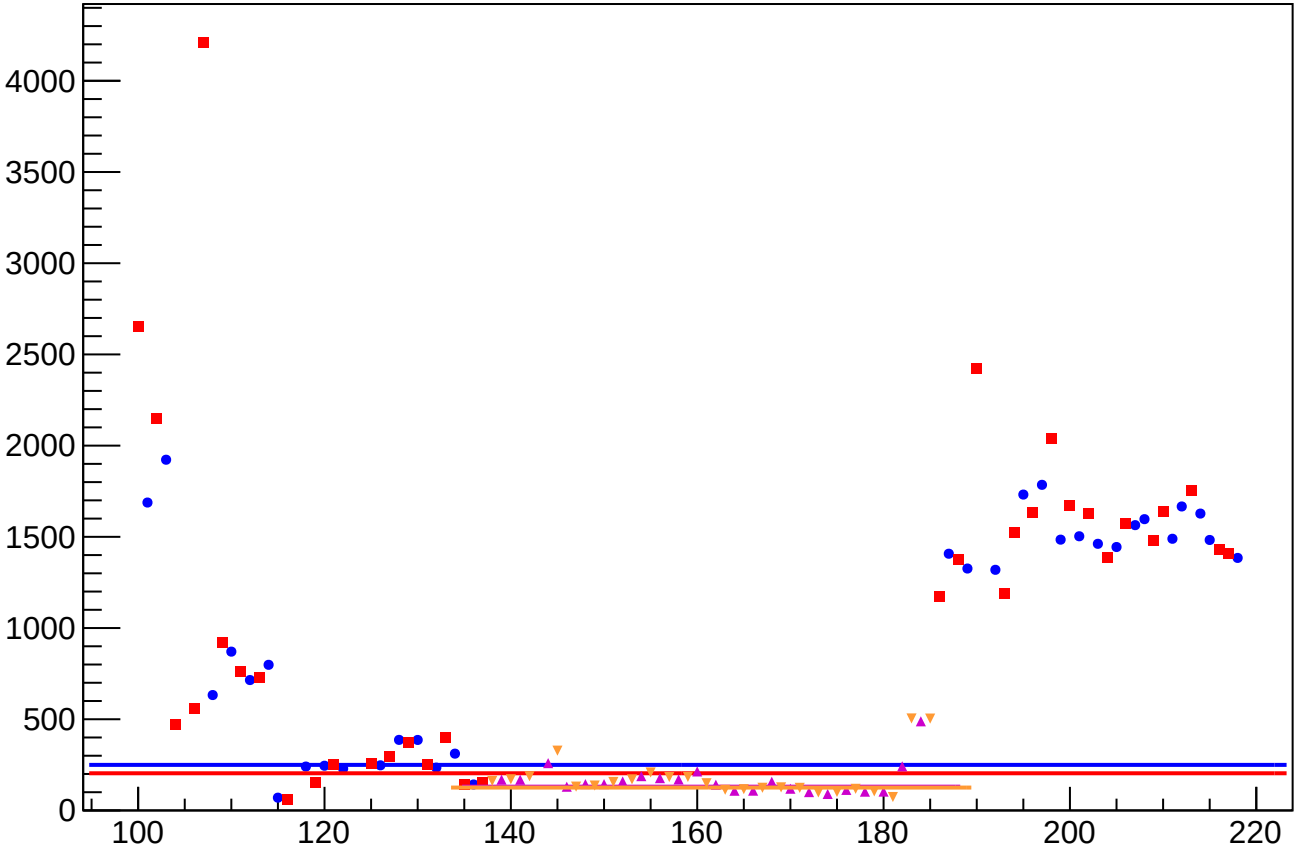
Left In: -50.317+/-32.545 χ^2/NDF:18.2/22

+ sign -118.055+/-29.613 χ^2/NDF: 82.1/55

All: -87.283+/-21.141 χ^2/NDF: 140.2/112

- sign -55.298+/-30.191 χ^2/NDF: 55.9/56

asym_us_dd_at1lr_dd_avg_reg_correction_rms vs Slug



Right In: 249.823+/-0.063 χ^2/NDF: 23790766.4/31

Left Out: 125.506+/-0.022 χ^2/NDF:3942746.1/23

Right Out: 203.824+/-0.057 χ^2/NDF: 26131161.5/33

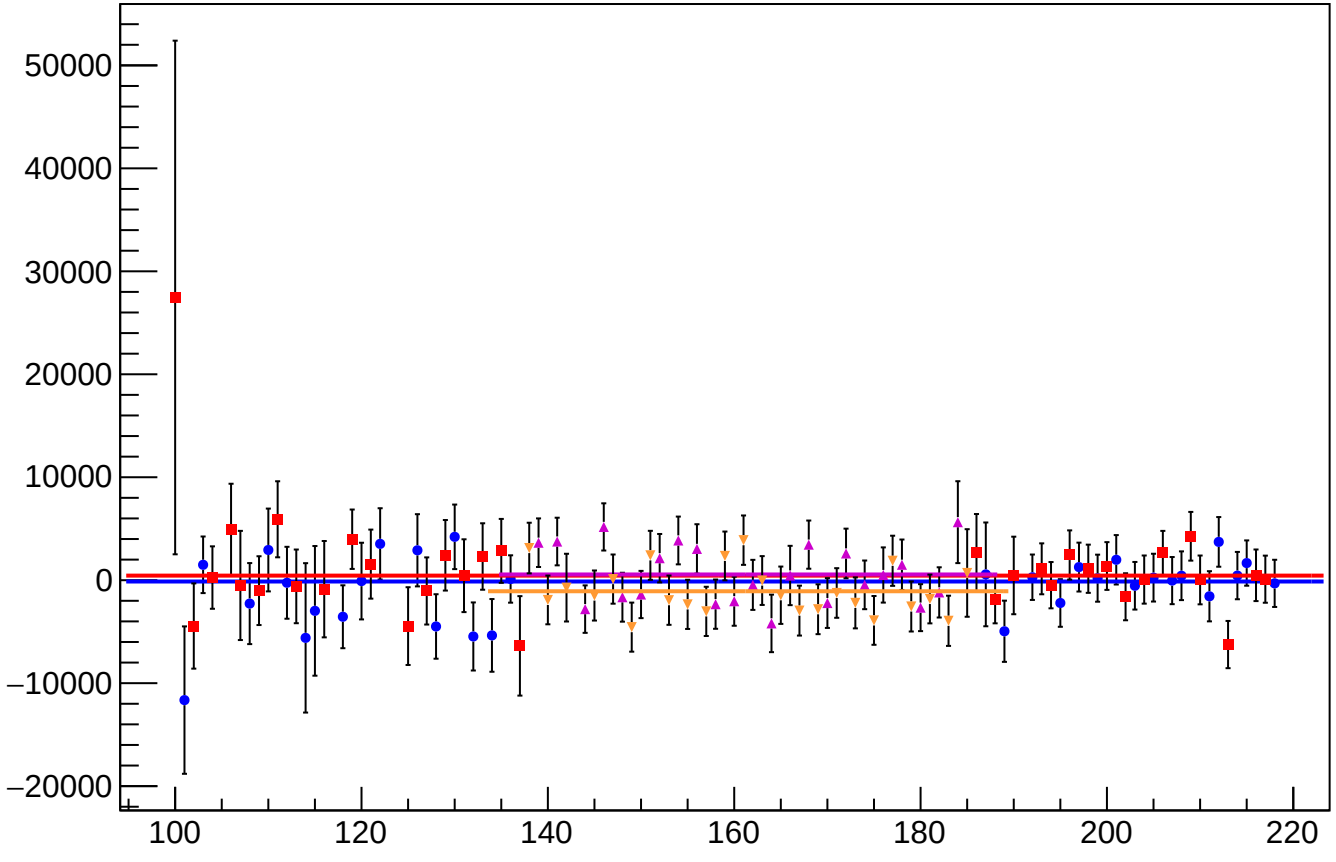
Left In: 130.436+/-0.023 χ^2/NDF:2679692.6/22

+ sign 139.311+/-0.021 χ^2/NDF: 31212935.8/55

All: 139.976+/-0.015 χ^2/NDF: 61443526.1/11

- sign 140.667+/-0.021 χ^2/NDF: 30228535.4/56

cor_asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -125.827+/-495.672 χ^2/NDF: 24.8/31

Left Out: -1072.795+/-505.534 χ^2/NDF:21.6/23

Right Out: 446.056+/-497.203 χ^2/NDF: 28.6/33

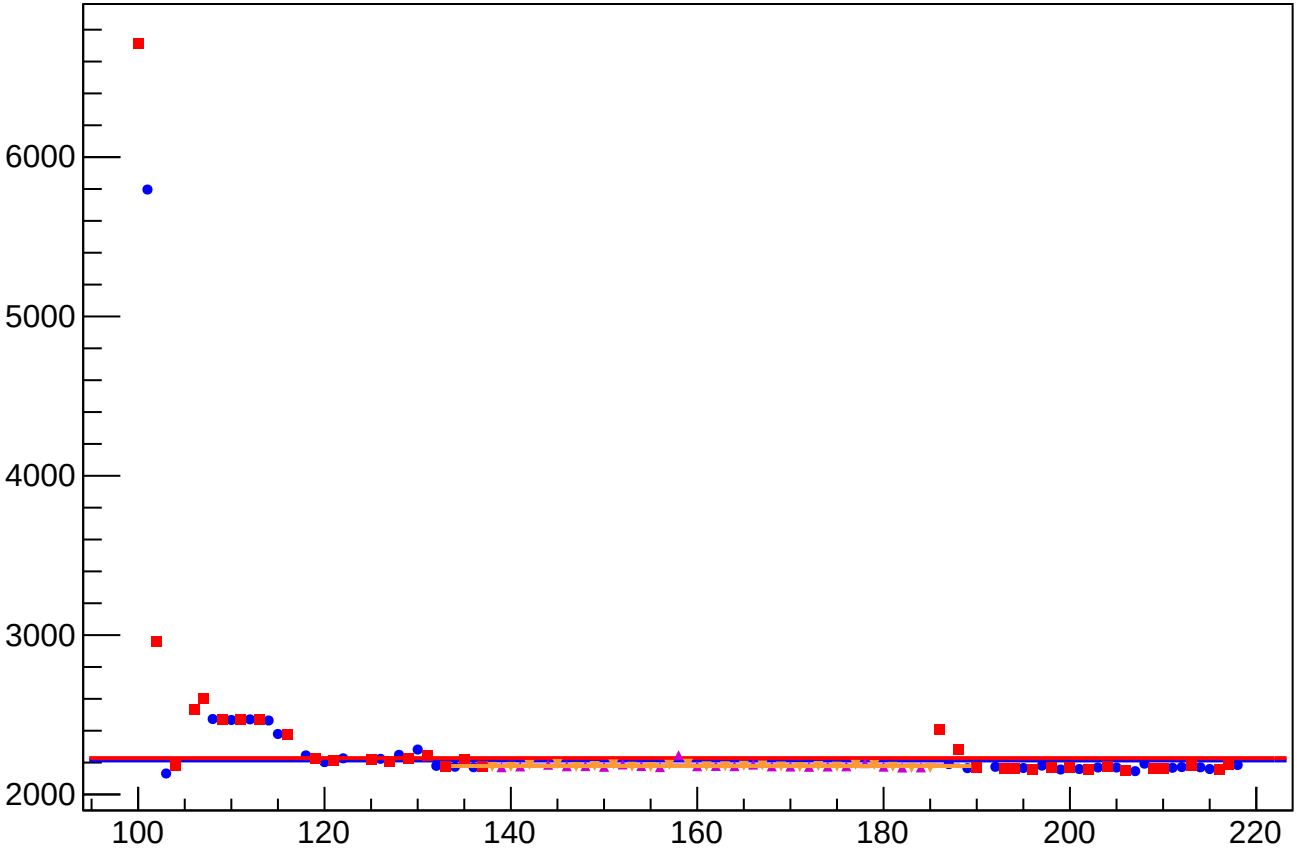
Left In: 557.079+/-509.208 χ^2/NDF:28.7/22

+ sign -589.983+/-353.928 χ^2/NDF: 48.1/55

All: -47.659+/-250.905 χ^2/NDF: 110.1/112

- sign 500.244+/-355.744 χ^2/NDF: 57.3/56

cor_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2213.450+/-0.350 χ^2/NDF: 548558.2/31

Left Out: 2178.244+/-0.357 χ^2/NDF:389.1/23

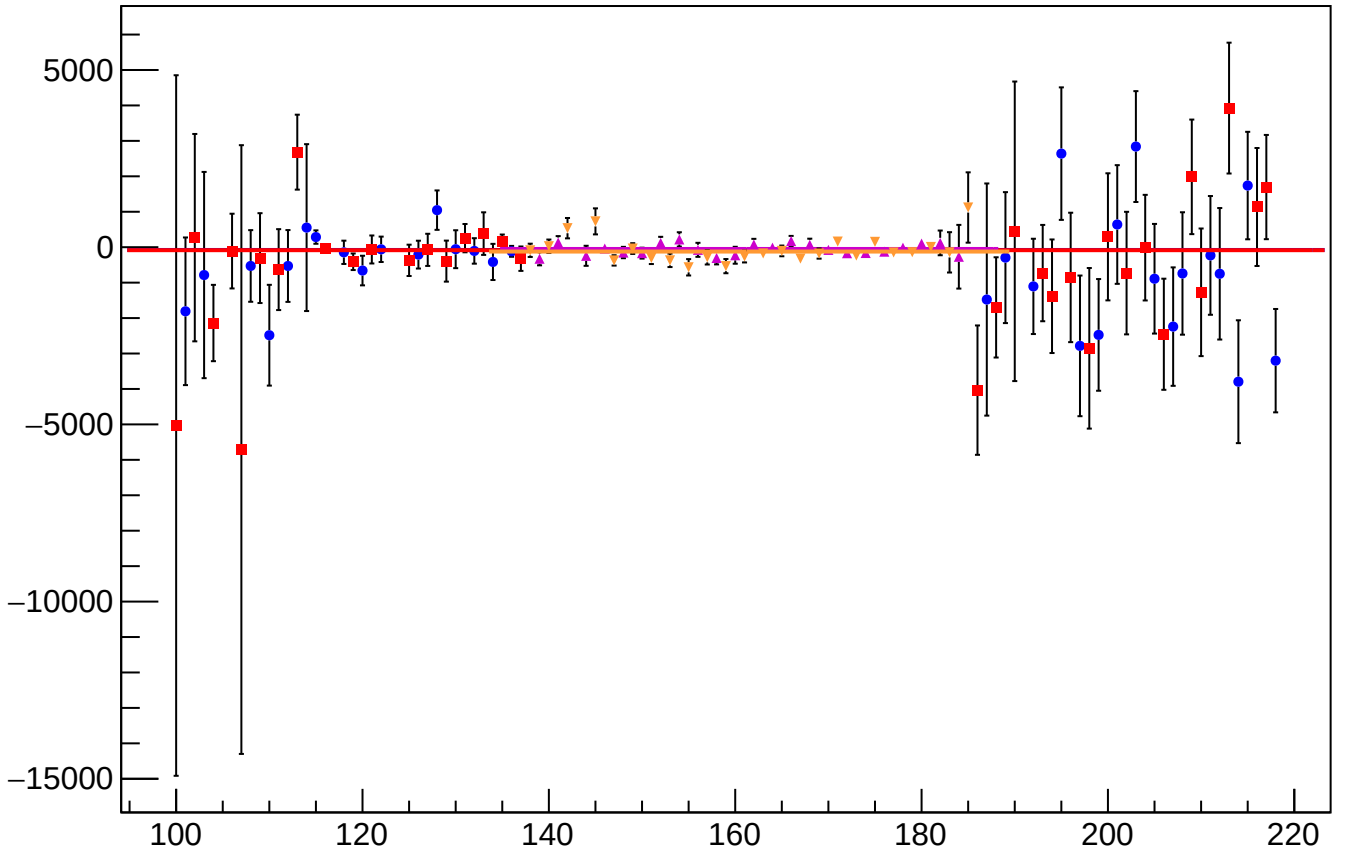
Right Out: 2227.923+/-0.352 χ^2/NDF: 203027.3/33

Left In: 2180.919+/-0.360 χ^2/NDF:1866.2/22

+ sign 2196.194+/-0.250 χ^2/NDF: 553892.7/55

All: 2200.565+/-0.177 χ^2/NDF: 768123.6/112

- sign 2204.982+/-0.252 χ^2/NDF: 213617.6/56



Right In: -78.443+/-88.871 χ^2/NDF: 38.1/31

Left Out: -122.928+/-31.408 χ^2/NDF:43.8/23

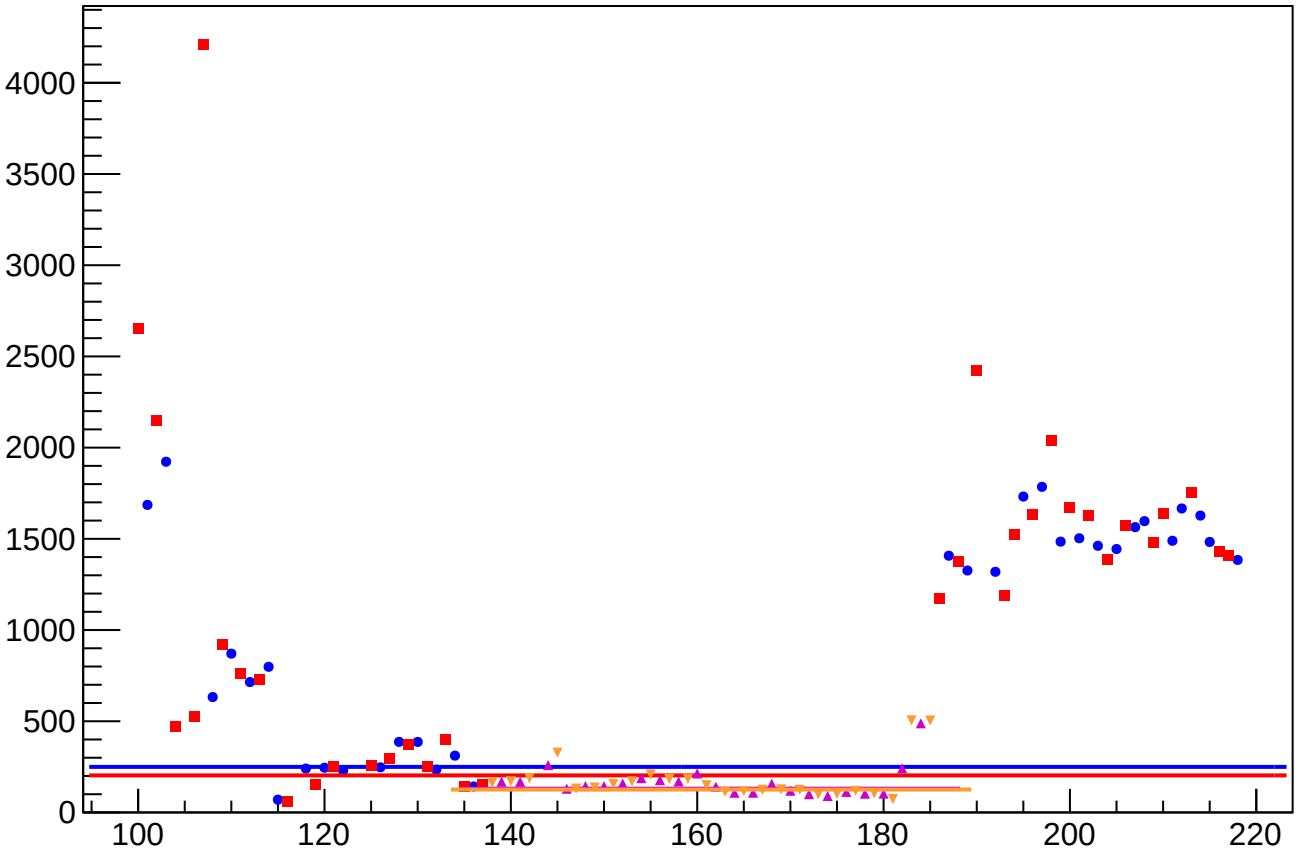
Right Out: -84.104+/-80.805 χ^2/NDF: 37.3/33

Left In: -50.209+/-32.548 χ^2/NDF:18.3/22

+ sign -117.989+/-29.613 χ^2/NDF: 82.1/55

All: -87.074+/-21.141 χ^2/NDF: 140.0/112

- sign -54.941+/-30.191 χ^2/NDF: 55.7/56



Right In: 249.853+/-0.063 χ^2/NDF: 23788889.3/31

Left Out: 125.503+/-0.022 χ^2/NDF:3943570.9/23

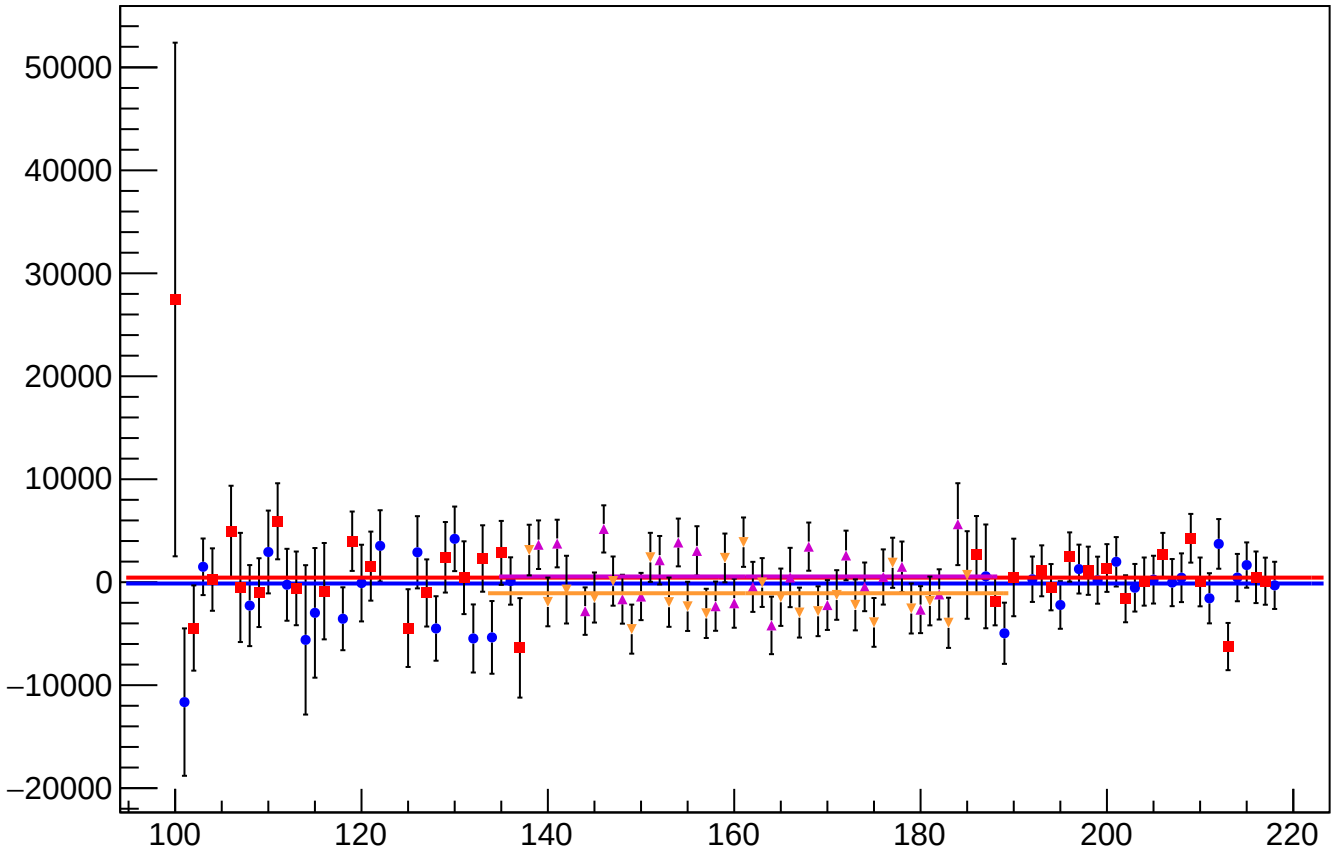
Right Out: 203.218+/-0.057 χ^2/NDF: 26102664.7/33

Left In: 130.451+/-0.023 χ^2/NDF:2679365.4/22

+ sign 139.309+/-0.021 χ^2/NDF: 31213409.2/55

All: 139.947+/-0.015 χ^2/NDF: 61392821.0/11

- sign 140.609+/-0.021 χ^2/NDF: 30177523.0/56



Right In: -125.827+/-495.672 χ^2/NDF: 24.8/31

Left Out: -1072.795+/-505.534 χ^2/NDF:21.6/23

Right Out: 446.056+/-497.203 χ^2/NDF: 28.6/33

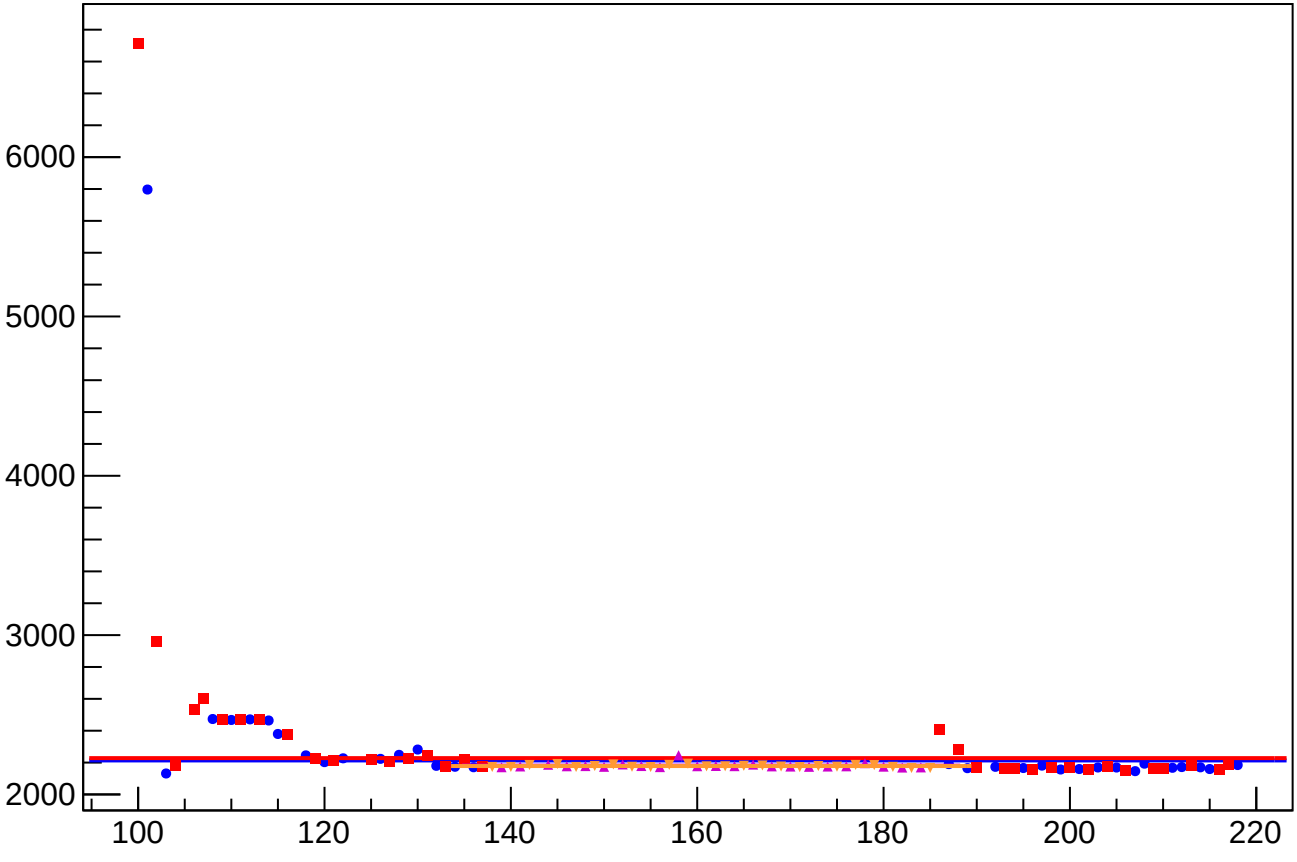
Left In: 557.079+/-509.208 χ^2/NDF:28.7/22

+ sign -589.983+/-353.928 χ^2/NDF: 48.1/55

All: -47.659+/-250.905 χ^2/NDF: 110.1/112

- sign 500.244+/-355.744 χ^2/NDF: 57.3/56

eigen_cor_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2213.450+/-0.350 χ^2/NDF: 548558.2/31

Left Out: 2178.244+/-0.357 χ^2/NDF:389.1/23

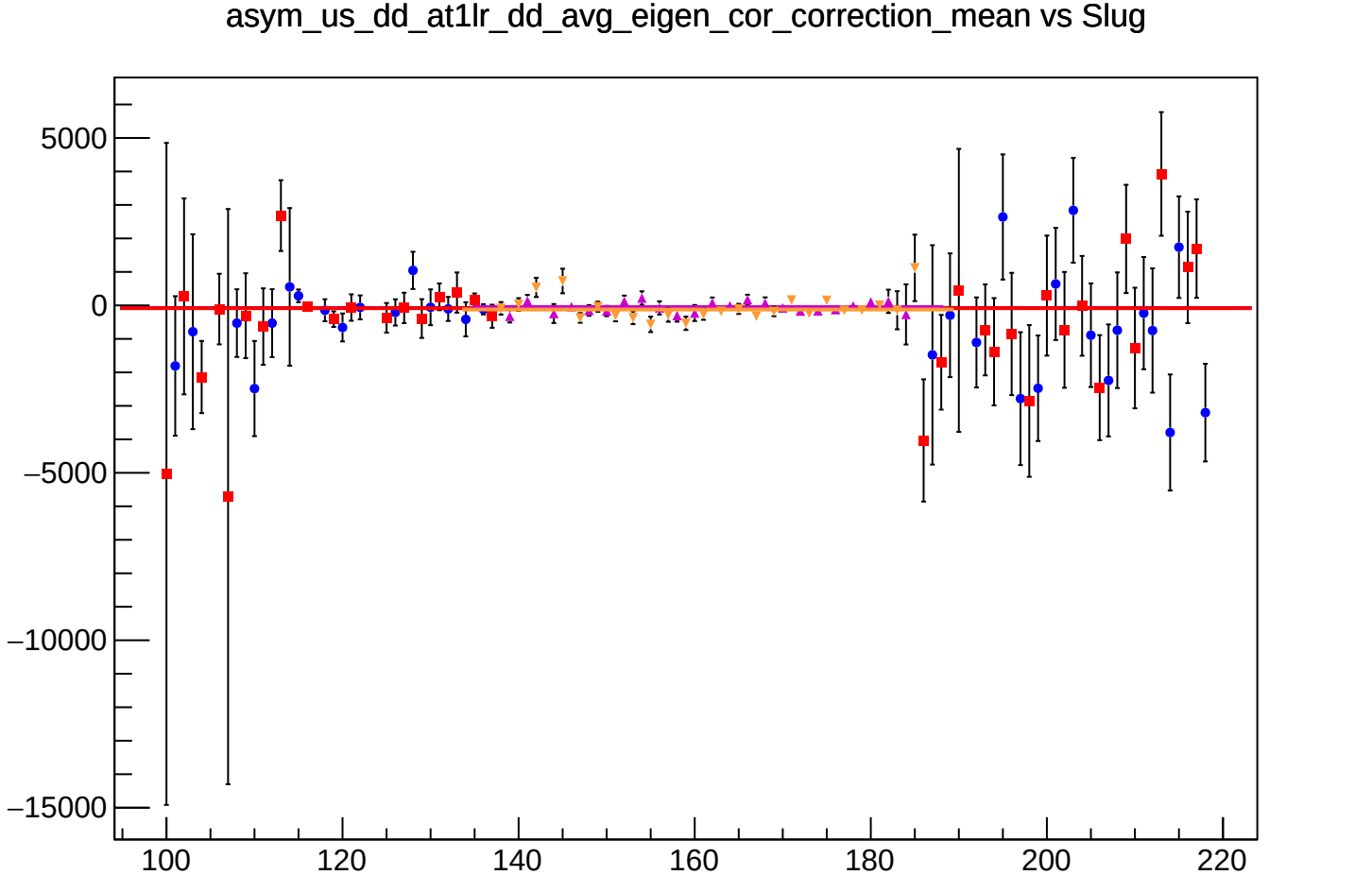
Right Out: 2227.923+/-0.352 χ^2/NDF: 203027.3/33

Left In: 2180.919+/-0.360 χ^2/NDF:1866.2/22

+ sign 2196.194+/-0.250 χ^2/NDF: 553892.7/55

All: 2200.565+/-0.177 χ^2/NDF: 768123.6/112

- sign 2204.982+/-0.252 χ^2/NDF: 213617.6/56



Right In: -78.443+/-88.871 χ^2/NDF: 38.1/31

Left Out: -122.928+/-31.408 χ^2/NDF:43.8/23

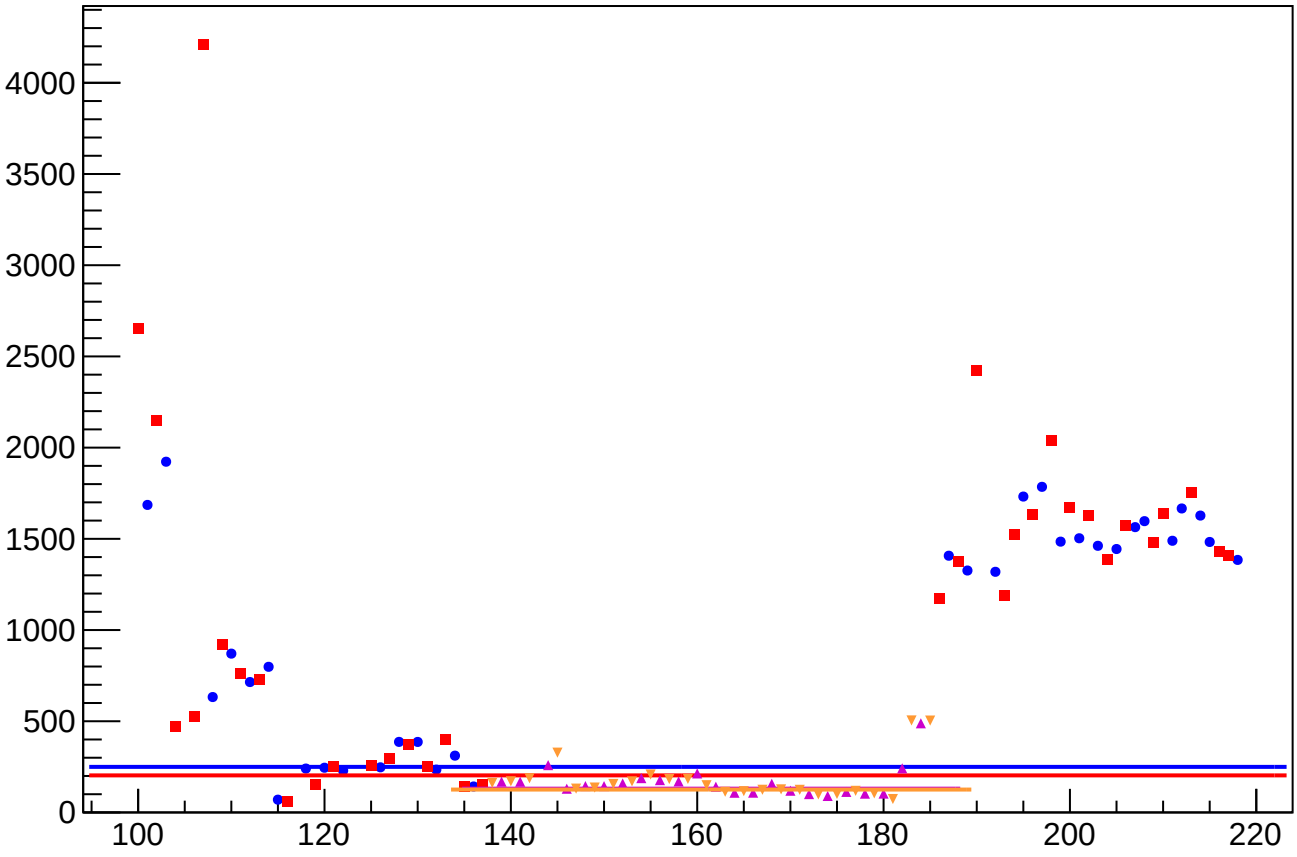
Right Out: -84.104+/-80.805 χ^2/NDF: 37.3/33

Left In: -50.209+/-32.548 χ^2/NDF:18.3/22

+ sign -117.989+/-29.613 χ^2/NDF: 82.1/55

All: -87.074+/-21.141 χ^2/NDF: 140.0/112

- sign -54.941+/-30.191 χ^2/NDF: 55.7/56



Right In: 249.853+/-0.063 χ^2/NDF: 23788889.3/31

Left Out: 125.503+/-0.022 χ^2/NDF:3943570.9/23

Right Out: 203.218+/-0.057 χ^2/NDF: 26102664.7/33

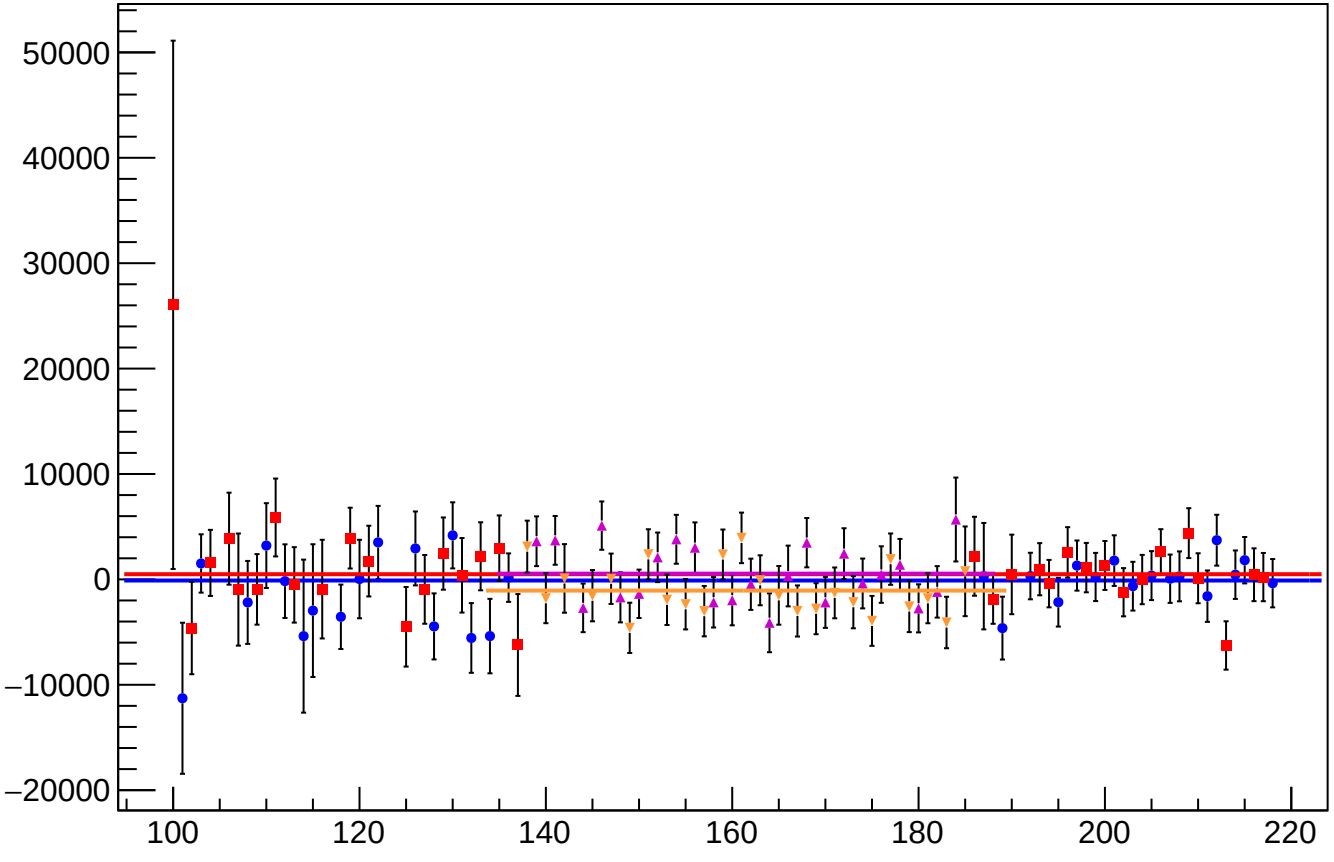
Left In: 130.451+/-0.023 χ^2/NDF:2679365.4/22

+ sign 139.309+/-0.021 χ^2/NDF: 31213409.2/55

All: 139.947+/-0.015 χ^2/NDF: 61392821.0/11

- sign 140.609+/-0.021 χ^2/NDF: 30177523.0/56

dit_asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -106.439+/-496.179 χ^2/NDF: 24.3/31

Left Out: -1062.372+/-505.627 χ^2/NDF:21.9/23

Right Out: 491.057+/-498.414 χ^2/NDF: 27.7/33

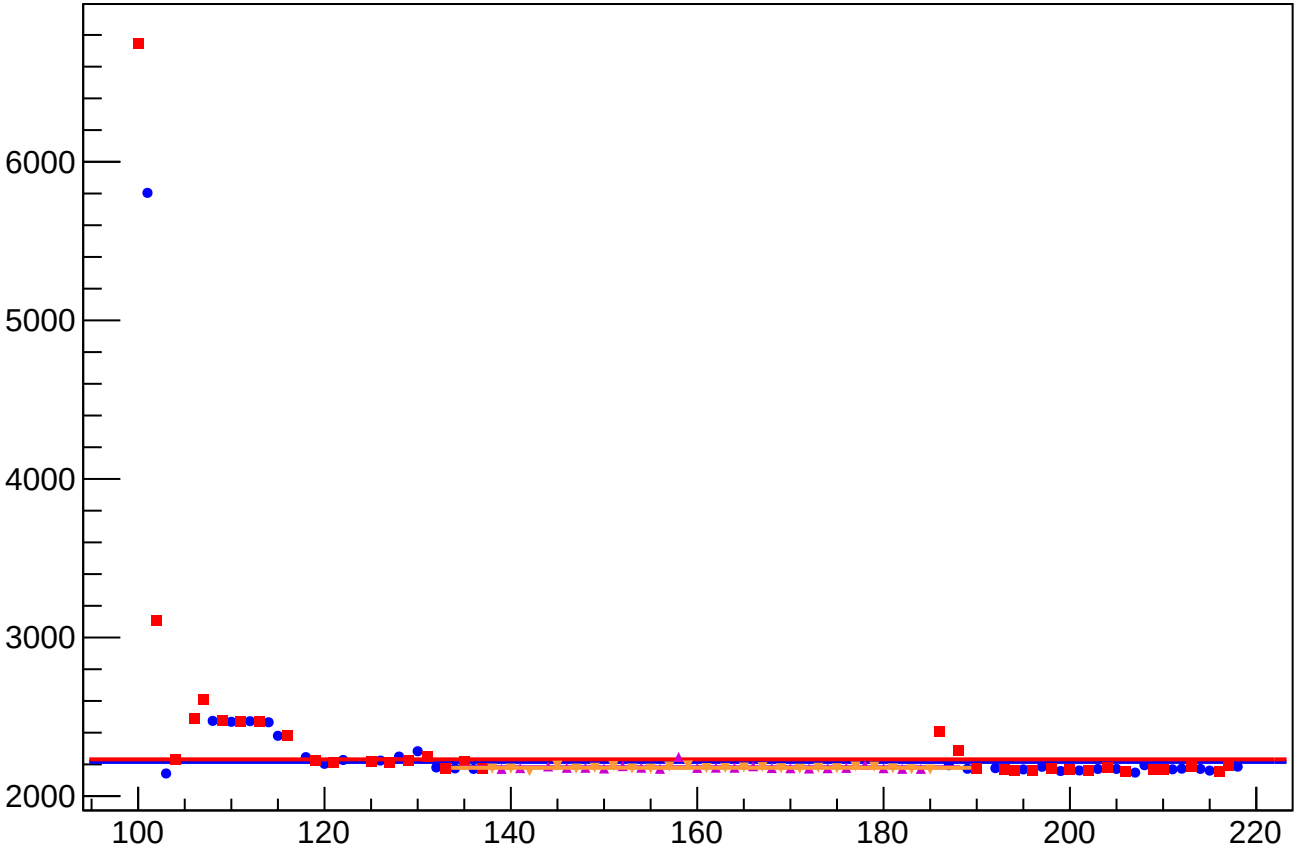
Left In: 544.260+/-509.433 χ^2/NDF:27.9/22

+ sign -575.391+/-354.145 χ^2/NDF: 48.0/55

All: -32.416+/-251.164 χ^2/NDF: 108.4/112

- sign 517.077+/-356.264 χ^2/NDF: 55.6/56

dit_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2215.635+/-0.351 χ^2/NDF: 548032.0/31

Left Out: 2178.503+/-0.358 χ^2/NDF:456.1/23

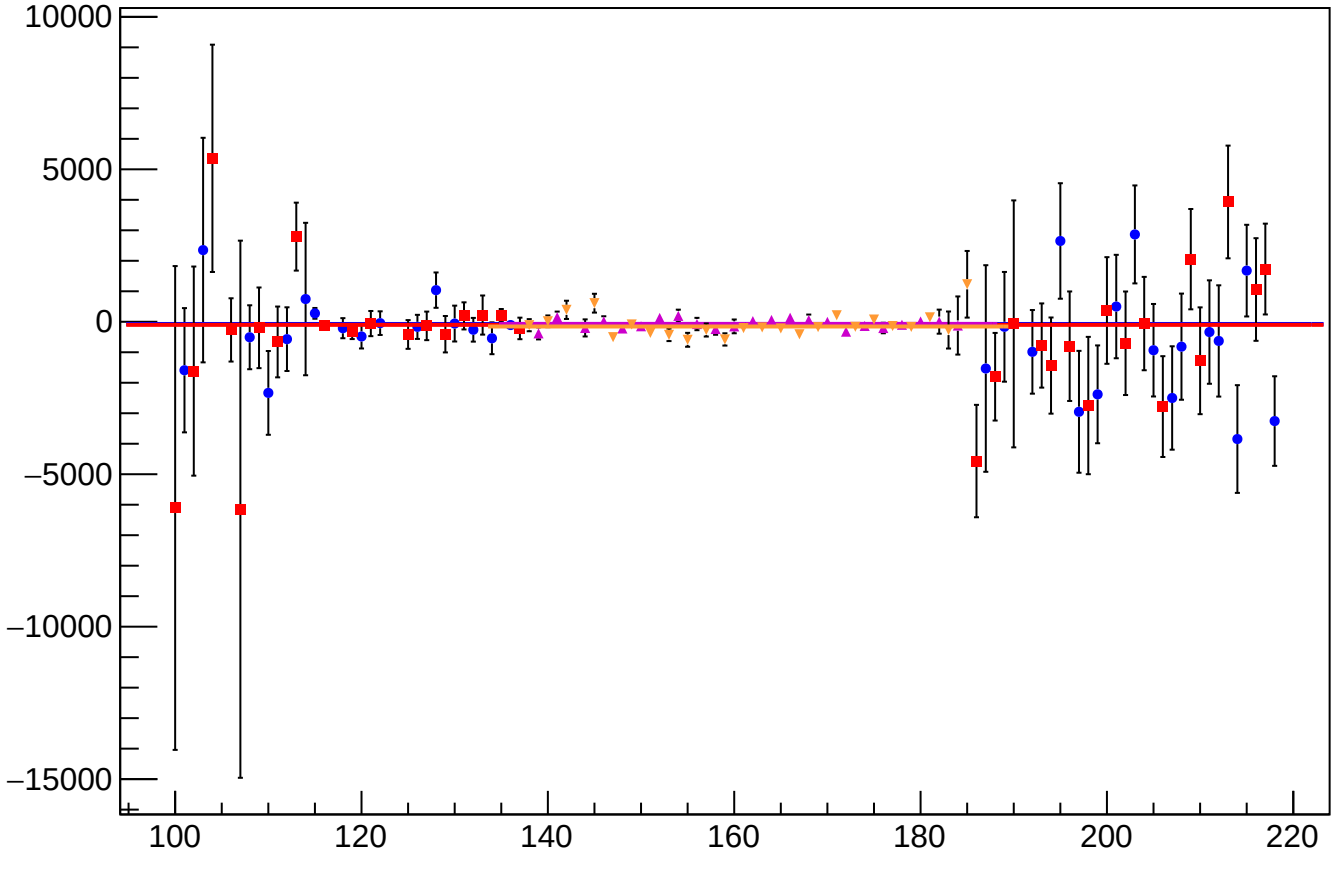
Right Out: 2231.641+/-0.352 χ^2/NDF: 218984.4/33

Left In: 2181.882+/-0.360 χ^2/NDF:1838.2/22

+ sign 2197.419+/-0.250 χ^2/NDF: 553982.8/55

All: 2202.333+/-0.178 χ^2/NDF: 785329.2/112

- sign 2207.306+/-0.252 χ^2/NDF: 230571.7/56



Right In: -72.534+/-90.288 χ^2/NDF: 37.8/31

Left Out: -154.725+/-34.061 χ^2/NDF:47.3/23

Right Out: -100.914+/-84.376 χ^2/NDF: 36.5/33

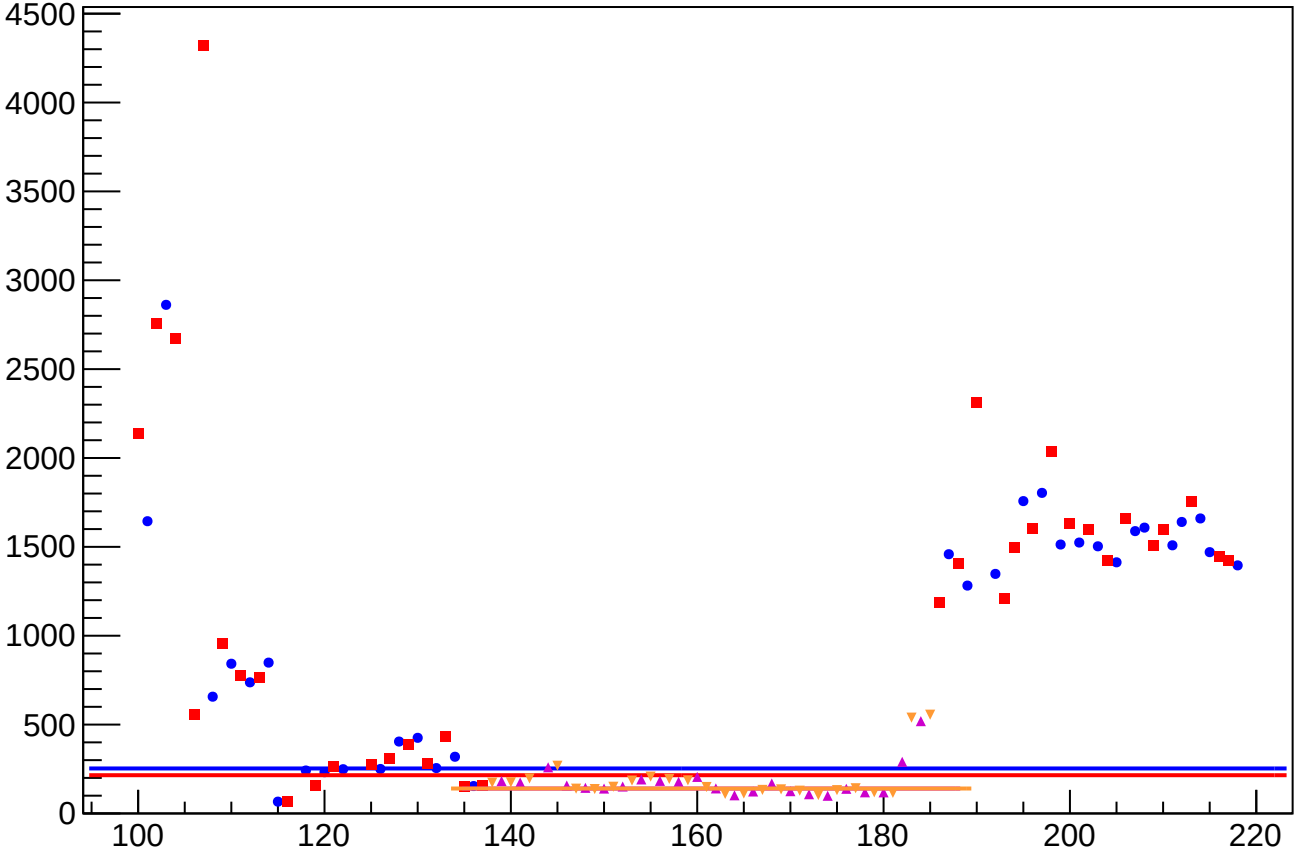
Left In: -70.142+/-34.204 χ^2/NDF:18.9/22

+ sign -144.485+/-31.868 χ^2/NDF: 85.8/55

All: -109.298+/-22.474 χ^2/NDF: 143.8/112

- sign -74.485+/-31.699 χ^2/NDF: 55.5/56

asym_us_dd_at1lr_dd_avg_dit_correction_rms vs Slug



Right In: 253.158+/-0.064 χ^2/NDF: 24333374.5/31

Left Out: 140.319+/-0.024 χ^2/NDF:2760284.0/23

Right Out: 215.186+/-0.060 χ^2/NDF: 26820232.8/33

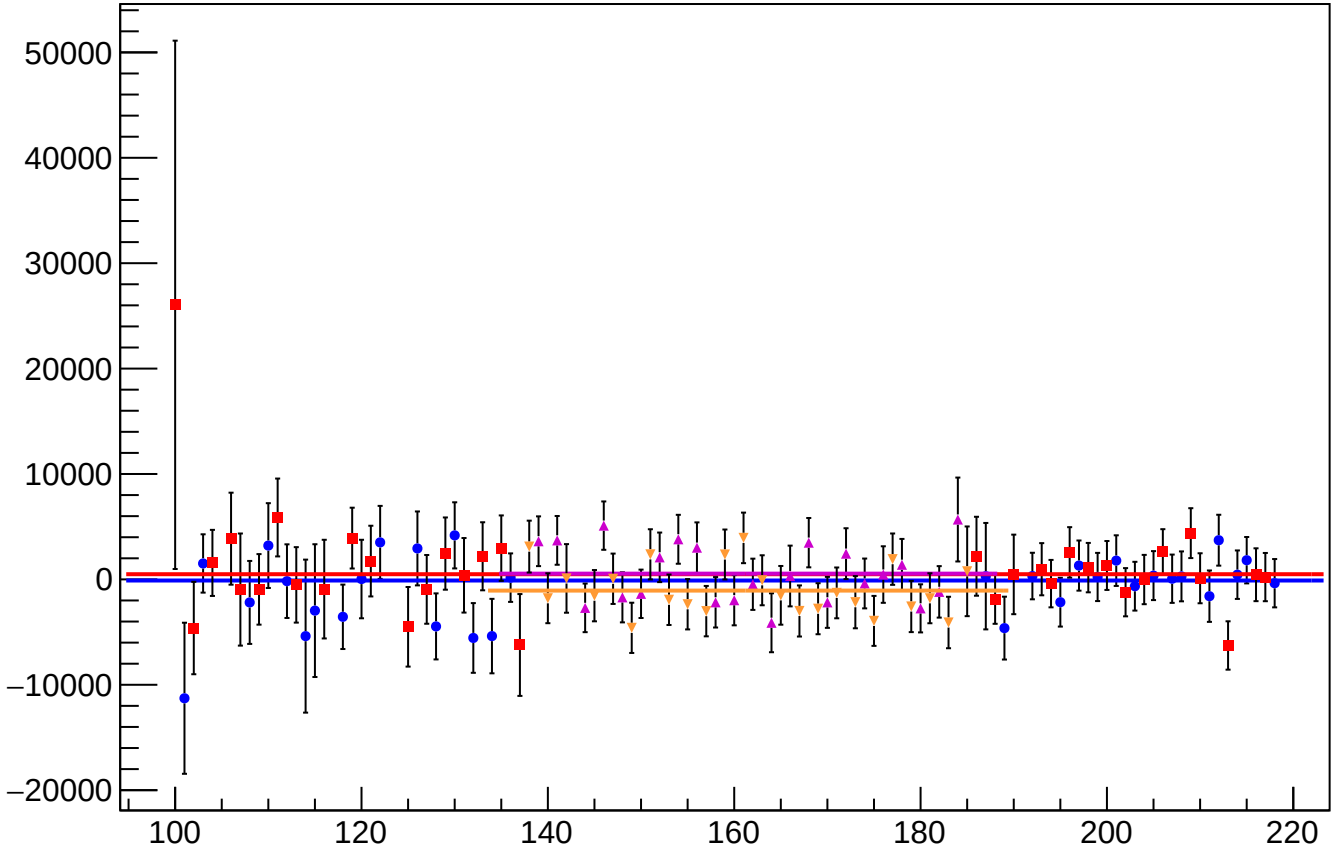
Left In: 139.979+/-0.024 χ^2/NDF:2412455.4/22

+ sign 154.377+/-0.023 χ^2/NDF: 29828343.8/55

All: 152.475+/-0.016 χ^2/NDF: 60439899.5/11

- sign 150.593+/-0.022 χ^2/NDF: 30597387.3/56

eigen_dit_asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -106.441+/-496.179 χ^2/NDF: 24.3/31

Left Out: -1062.373+/-505.627 χ^2/NDF:21.9/23

Right Out: 491.058+/-498.414 χ^2/NDF: 27.7/33

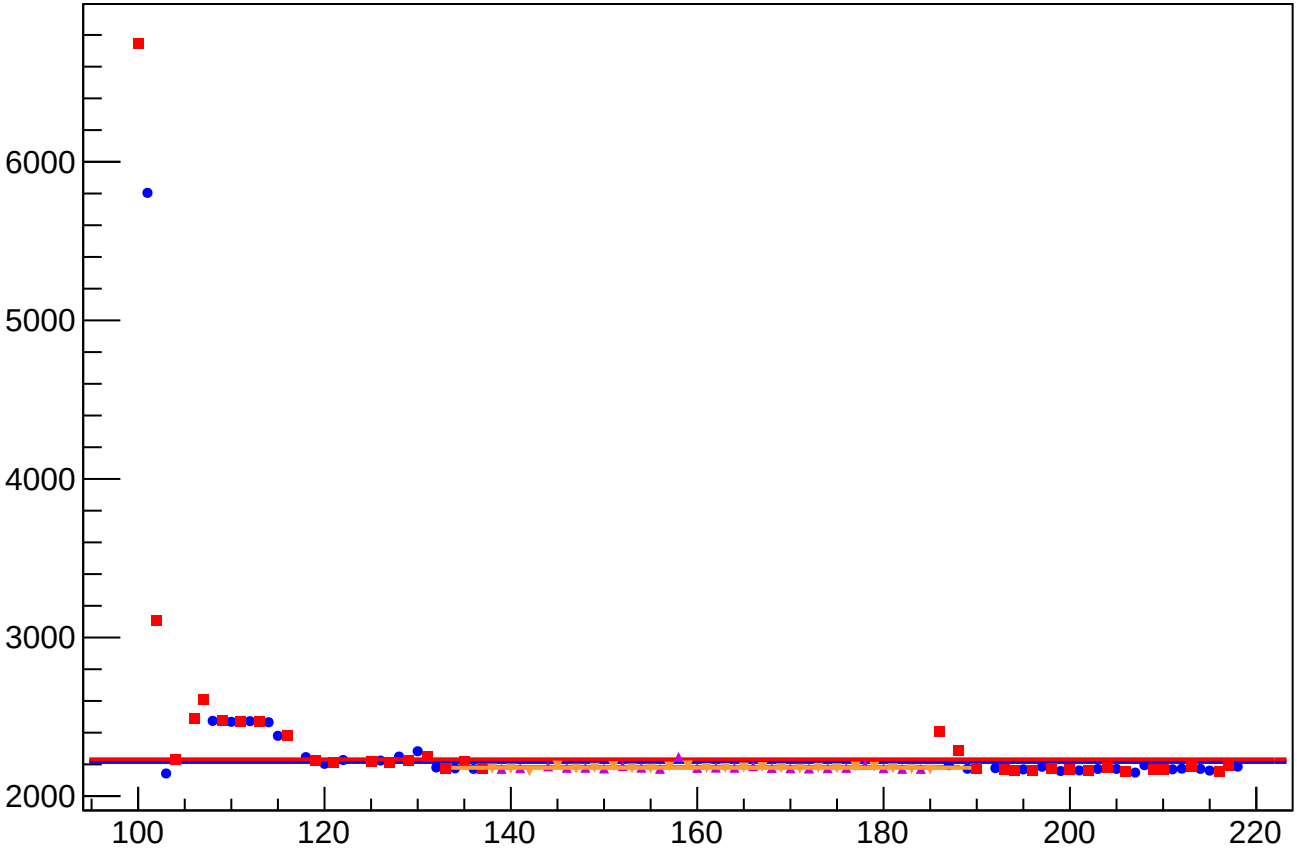
Left In: 544.259+/-509.433 χ^2/NDF:27.9/22

+ sign -575.393+/-354.145 χ^2/NDF: 48.0/55

All: -32.417+/-251.164 χ^2/NDF: 108.4/112

- sign 517.077+/-356.264 χ^2/NDF: 55.6/56

eigen_dit_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2215.635+/-0.351 χ^2/NDF: 548032.1/31

Left Out: 2178.503+/-0.358 χ^2/NDF:456.1/23

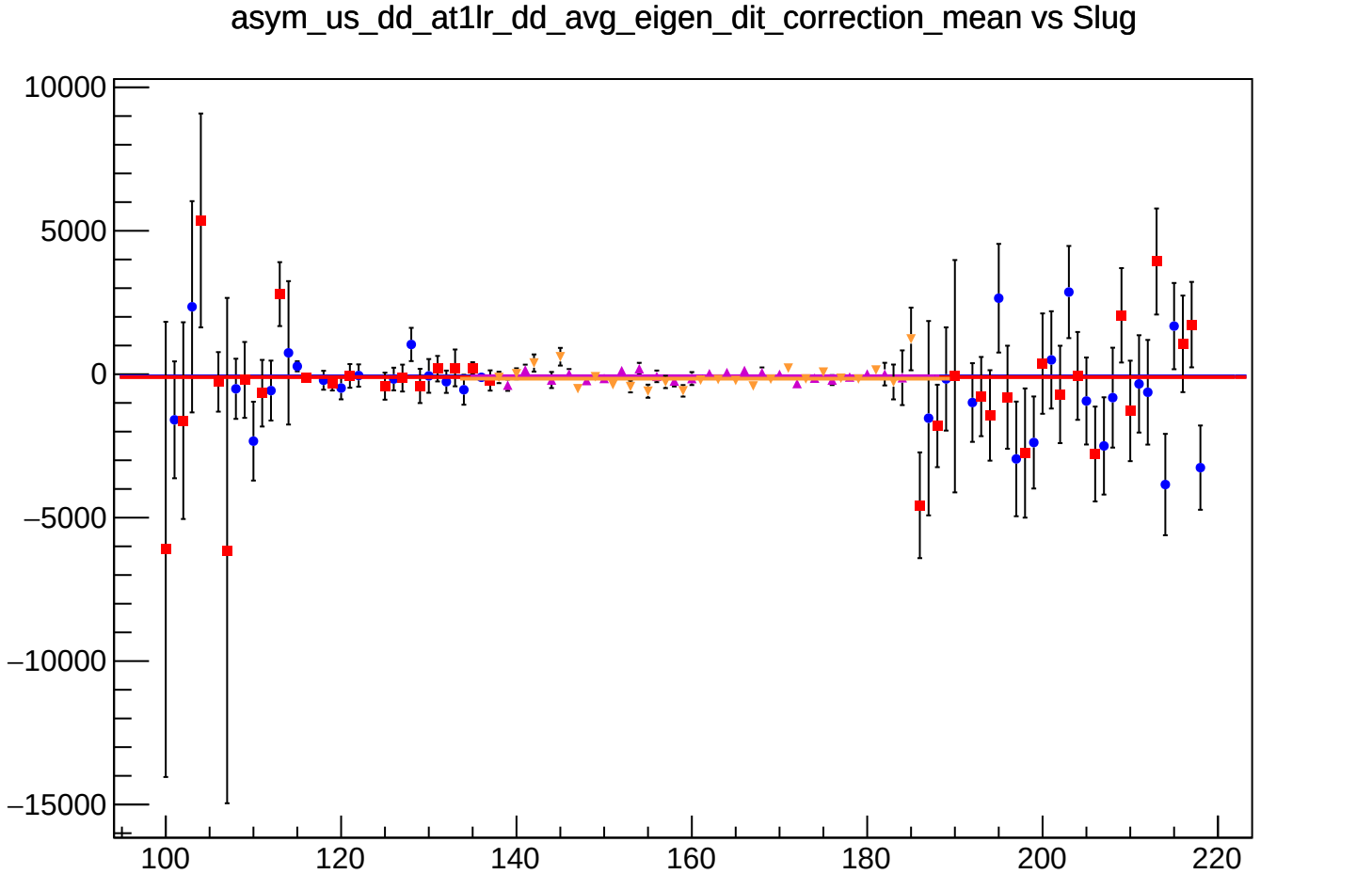
Right Out: 2231.641+/-0.352 χ^2/NDF: 218984.3/33

Left In: 2181.882+/-0.360 χ^2/NDF:1838.2/22

+ sign 2197.419+/-0.250 χ^2/NDF: 553982.8/55

All: 2202.333+/-0.178 χ^2/NDF: 785329.1/112

- sign 2207.306+/-0.252 χ^2/NDF: 230571.6/56



Right In: -72.530+/-90.287 χ^2/NDF: 37.8/31

Left Out: -154.726+/-34.061 χ^2/NDF:47.3/23

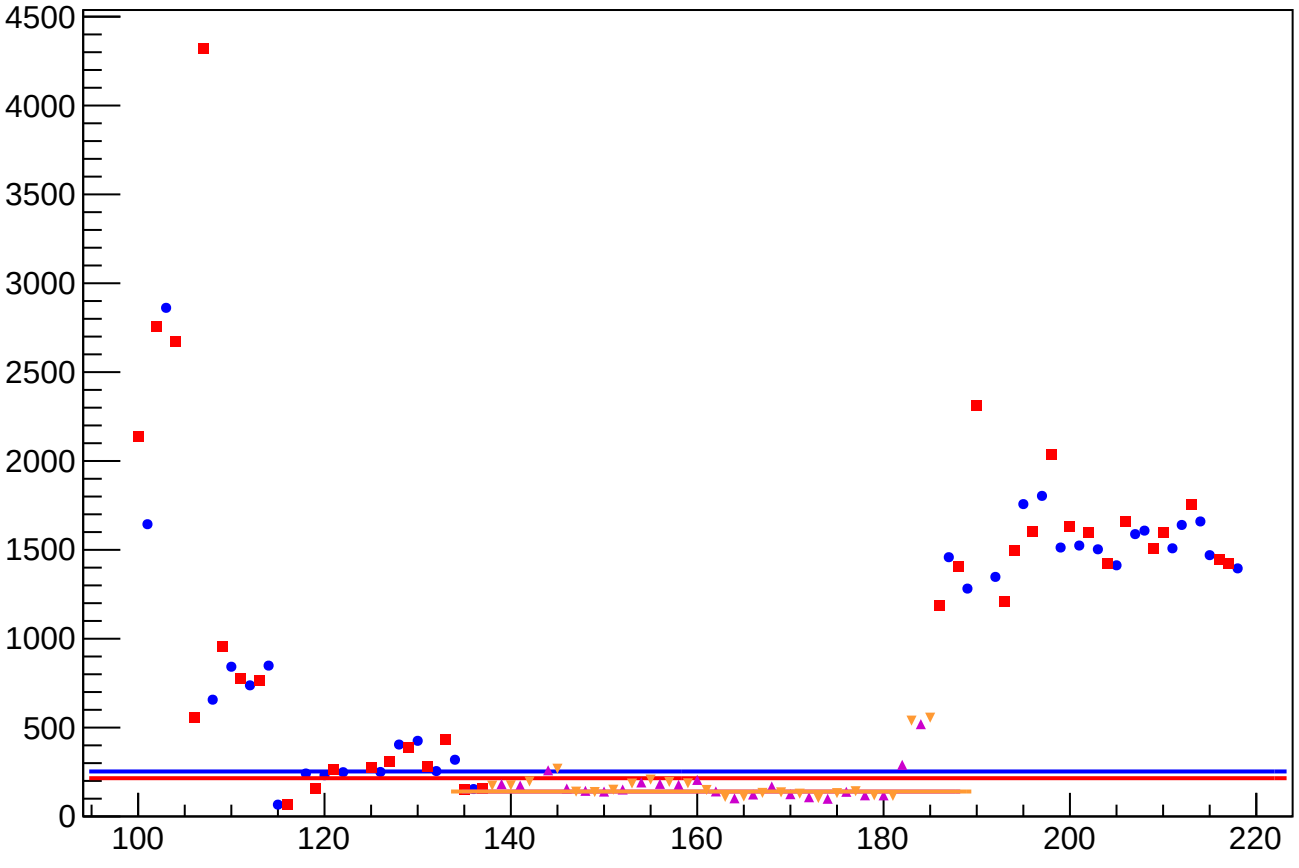
Right Out: -100.915+/-84.375 χ^2/NDF: 36.5/33

Left In: -70.141+/-34.204 χ^2/NDF:18.9/22

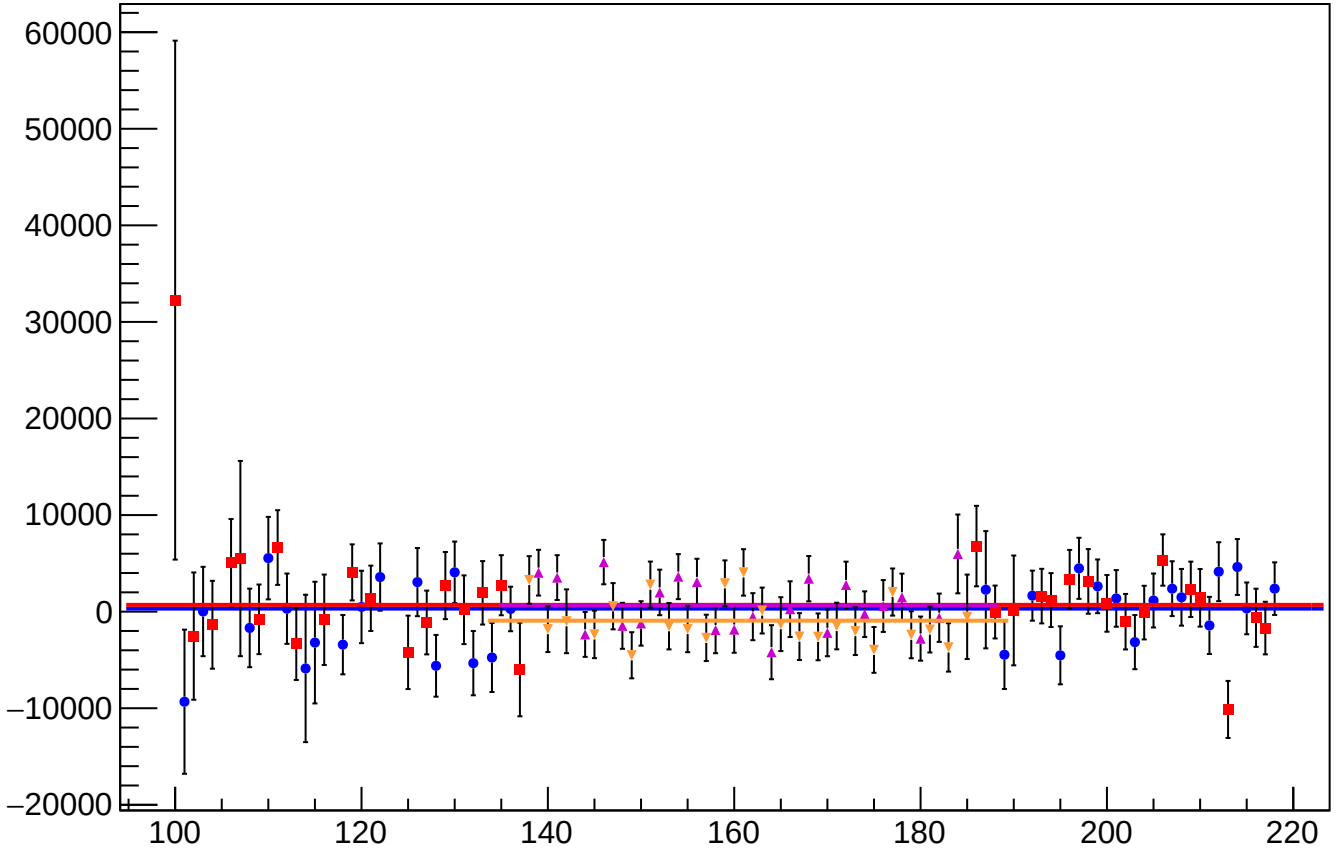
+ sign -144.486+/-31.868 χ^2/NDF: 85.8/55

All: -109.298+/-22.474 χ^2/NDF: 143.8/112

- sign -74.484+/-31.699 χ^2/NDF: 55.5/56


asym_us_dd_at1lr_dd_avg_eigen_dit_correction_rms vs Slug
4500
4000
3500
3000
2500
2000
1500
1000
500
0
100
120
140
160
180
200
220
Right In: 253.155+/-0.064 χ²/NDF: 24333505.1/31
Left Out: 140.319+/-0.024 χ²/NDF:2760280.2/23
Right Out: 215.183+/-0.060 χ²/NDF: 26820378.7/33
Left In: 139.979+/-0.024 χ²/NDF:2412509.5/22
+ sign 154.377+/-0.023 χ²/NDF: 29828330.8/55
All: 152.475+/-0.016 χ²/NDF: 60439986.4/11
- sign 150.593+/-0.022 χ²/NDF: 30597485.0/56

asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: 318.111+/-576.052 χ^2/NDF: 31.4/31

Left Out: -932.002+/-507.717 χ^2/NDF:22.4/23

Right Out: 705.150+/-583.711 χ^2/NDF: 34.9/33

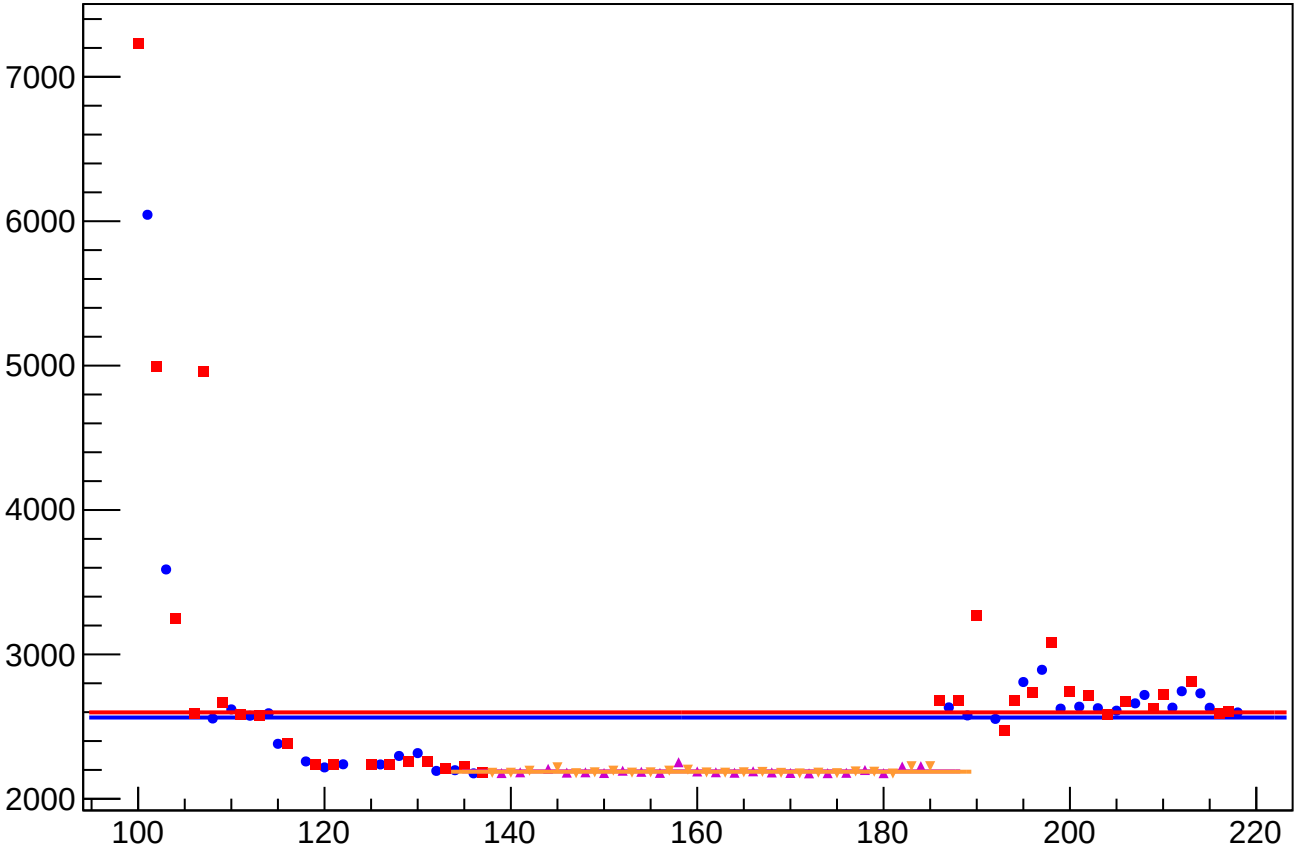
Left In: 642.773+/-511.372 χ^2/NDF:27.0/22

\+ sign -385.456+/-380.890 χ^2/NDF: 56.5/55

All: 137.029+/-270.647 χ^2/NDF: 122.2/112

\- sign 669.859+/-384.642 χ^2/NDF: 61.9/56

asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2562.904+/-0.407 χ^2/NDF: 798263.4/31

Left Out: 2187.620+/-0.359 χ^2/NDF:1342.1/23

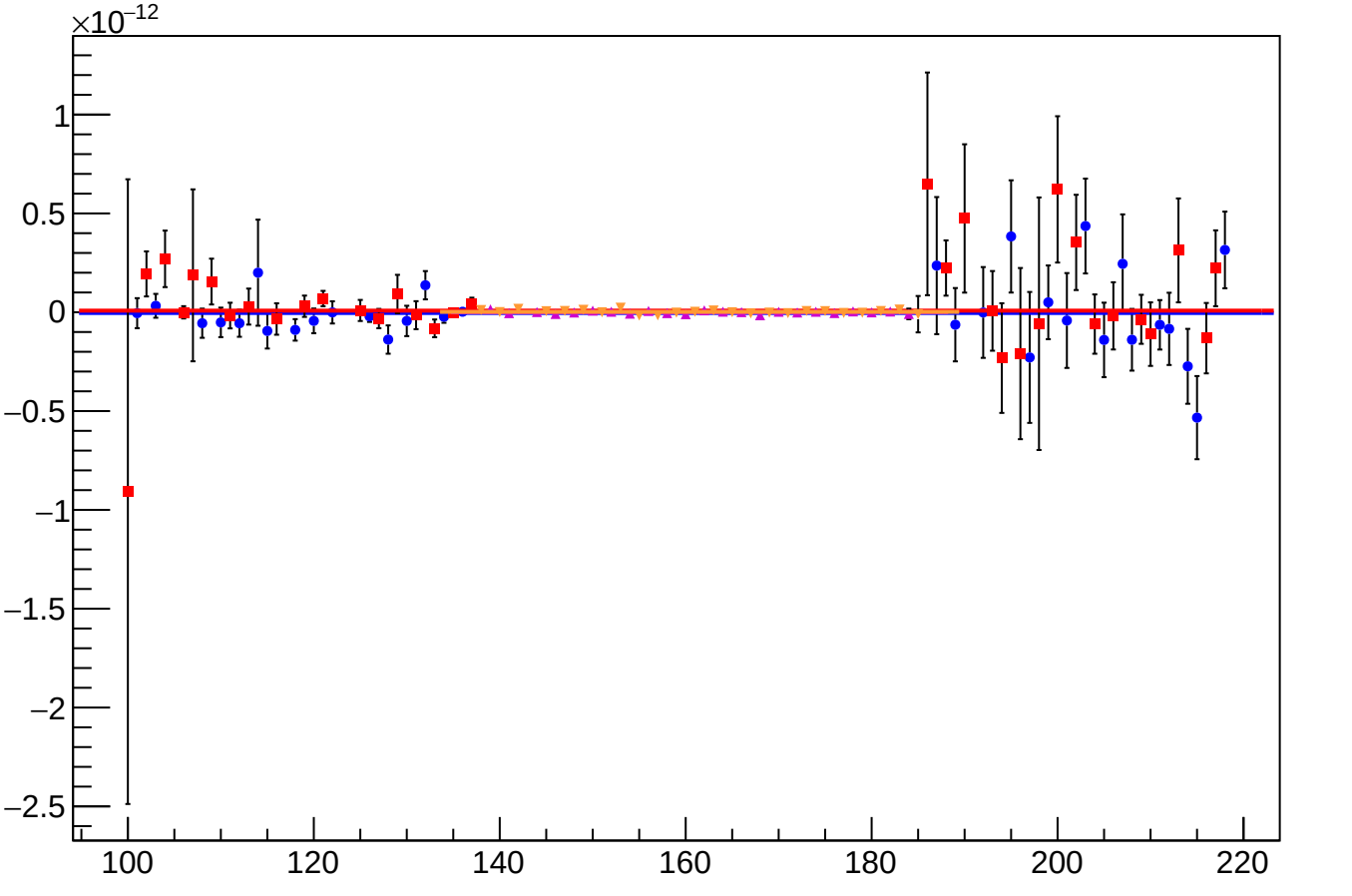
Right Out: 2598.551+/-0.413 χ^2/NDF: 789745.8/33

Left In: 2190.163+/-0.362 χ^2/NDF:2542.8/22

\+ sign 2351.693+/-0.269 χ^2/NDF: 1277337.5/55

All: 2359.518+/-0.191 χ^2/NDF: 2625217.2/11

\- sign 2367.497+/-0.272 χ^2/NDF: 1346174.8/56



Right In: -0.000+/-0.000 χ^2/NDF: 35.7/31

Left Out: 0.000+/-0.000 χ^2/NDF:19.4/23

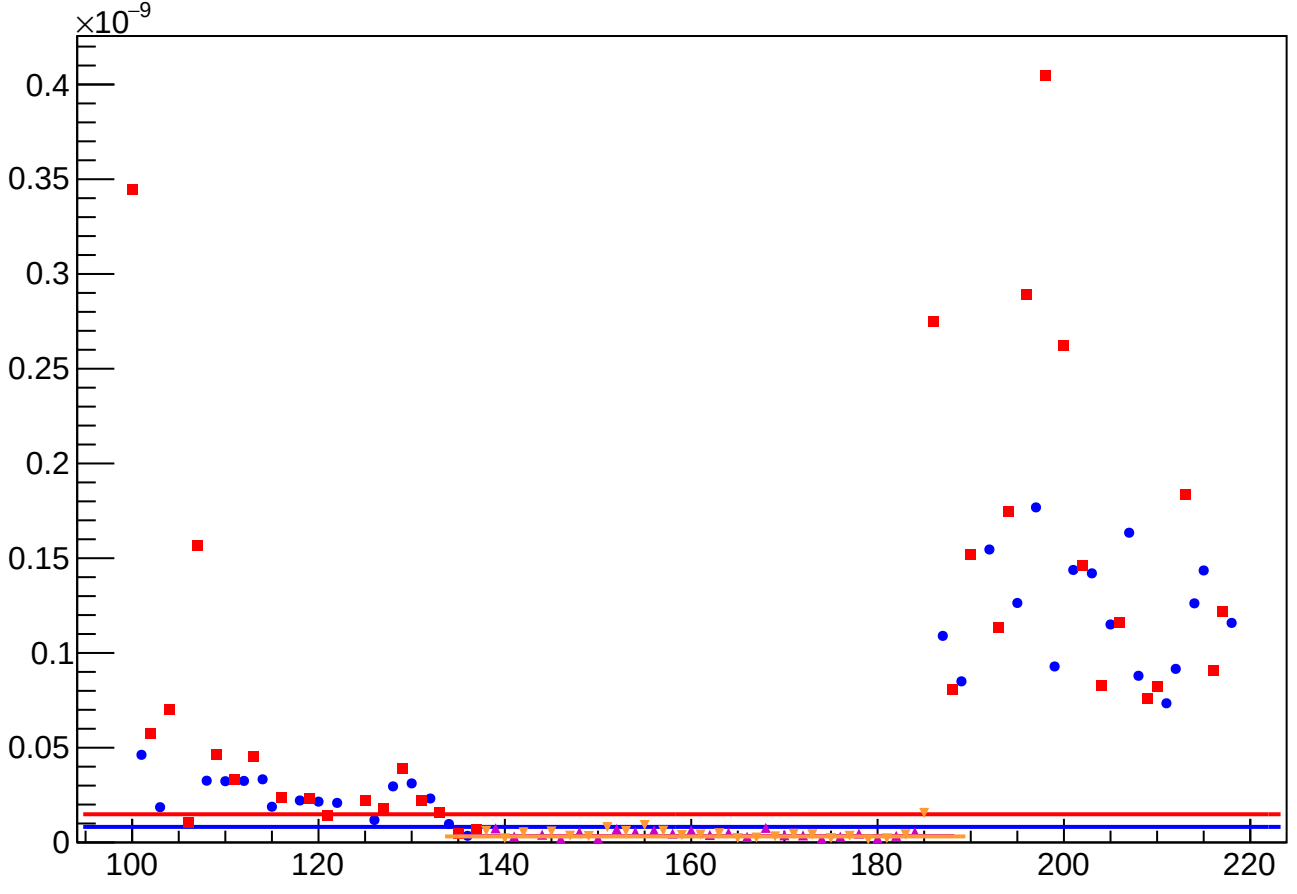
Right Out: 0.000+/-0.000 χ^2/NDF: 34.0/33

Left In: 0.000+/-0.000 χ^2/NDF:13.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 55.9/55

All: 0.000+/-0.000 χ^2/NDF: 104.2/112

- sign 0.000+/-0.000 χ^2/NDF: 48.0/56



Right In: 0.000+/-0.000 χ^2/NDF: 11962957.4/31

Left Out: 0.000+/-0.000 χ^2/NDF:2065501.9/23

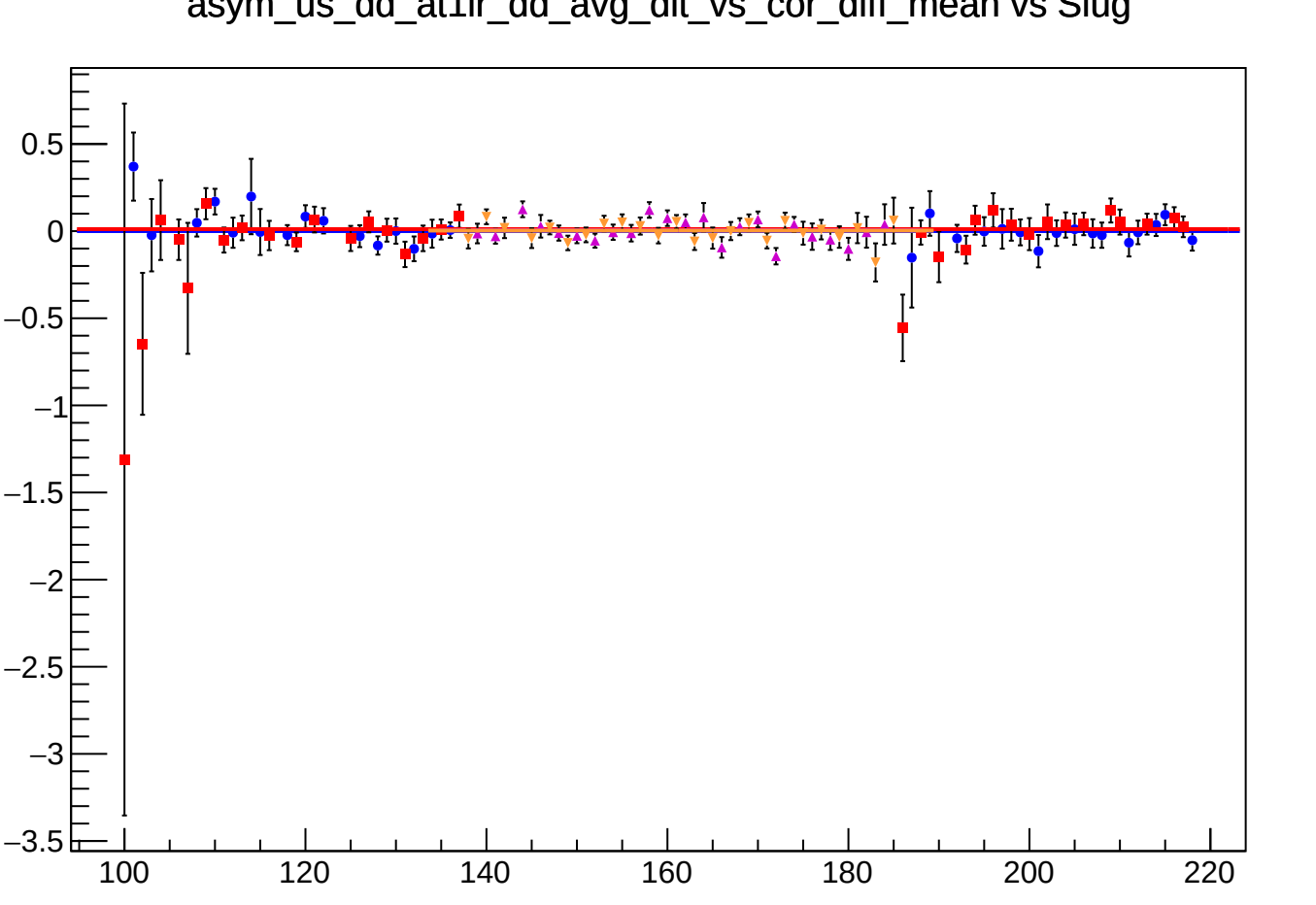
Right Out: 0.000+/-0.000 χ^2/NDF: 12030566.6/33

Left In: 0.000+/-0.000 χ^2/NDF:1703481.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 15254784.5/55

All: 0.000+/-0.000 χ^2/NDF: 31804795.8/112

- sign 0.000+/-0.000 χ^2/NDF: 16520555.8/56



Right In: 0.000+/-0.013 χ^2/NDF: 24.5/31

Left Out: 0.003+/-0.010 χ^2/NDF:21.8/23

Right Out: 0.012+/-0.013 χ^2/NDF: 35.3/33

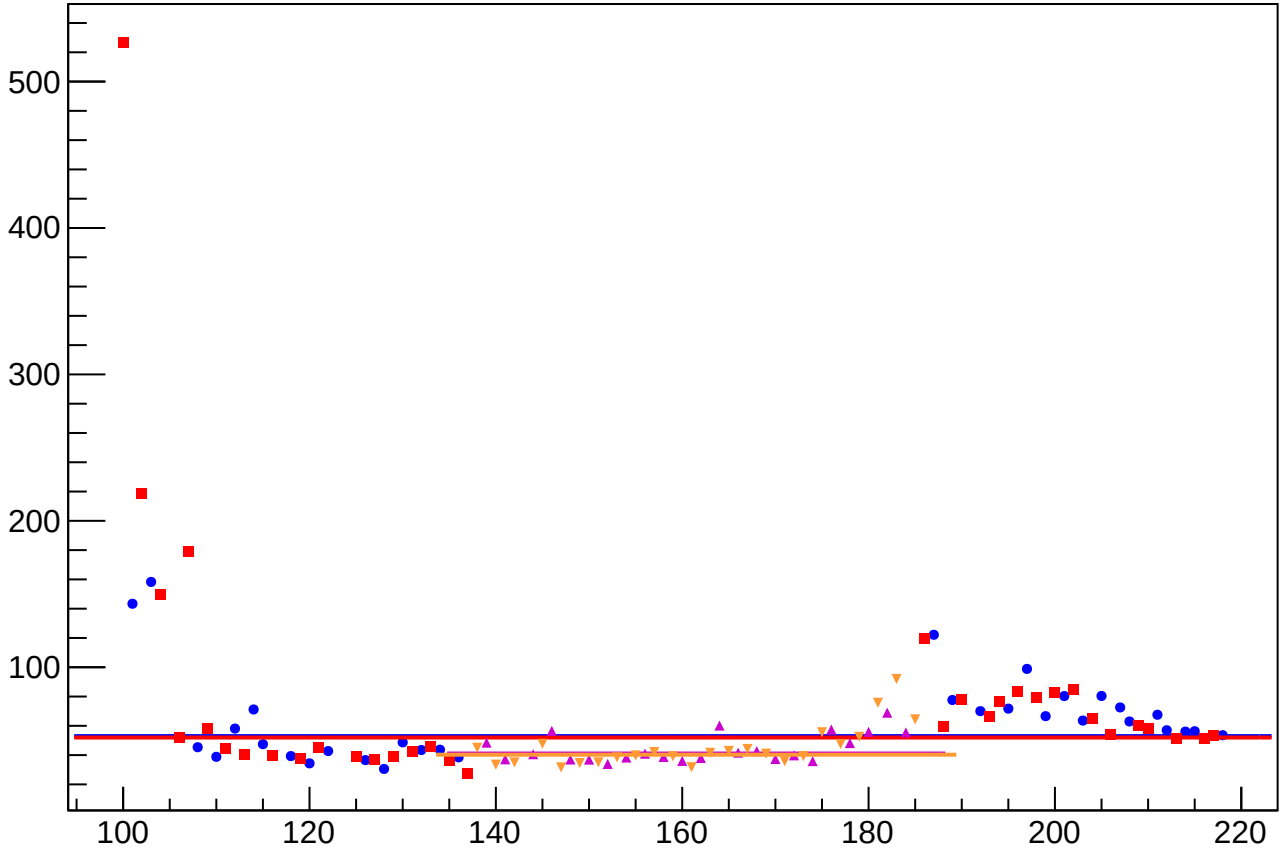
Left In: 0.005+/-0.011 χ^2/NDF:41.4/22

+ sign 0.002+/-0.008 χ^2/NDF: 46.4/55

All: 0.005+/-0.006 χ^2/NDF: 123.5/112

- sign 0.008+/-0.008 χ^2/NDF: 76.9/56

asym_us_dd_at1lr_dd_avg_dit_vs_cor_diff_rms vs Slug



Right In: 52.978+/-0.009 χ^2/NDF: 3583365.6/31

Left Out: 40.277+/-0.007 χ^2/NDF:1489065.3/23

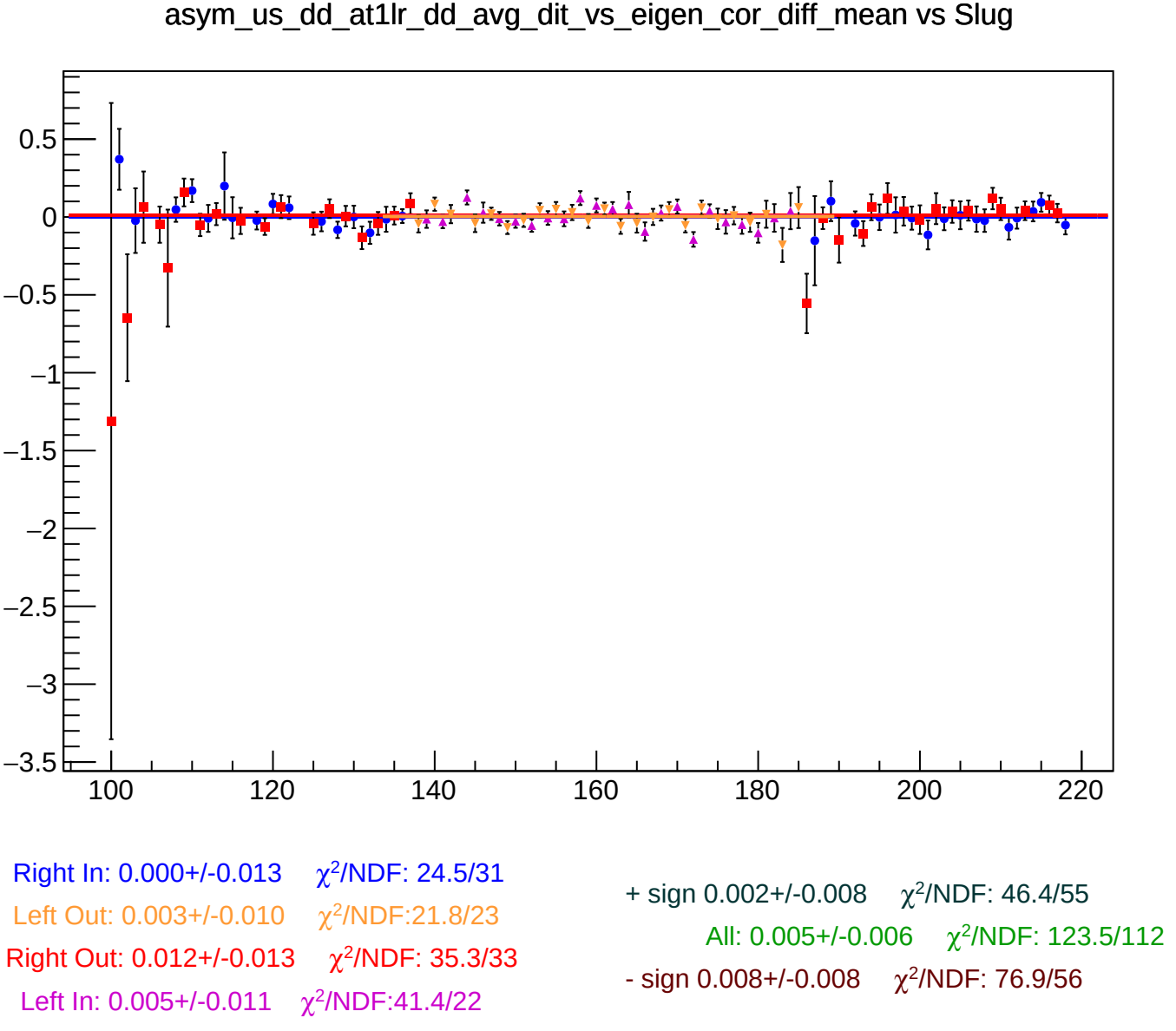
Right Out: 52.003+/-0.009 χ^2/NDF: 3574155.8/33

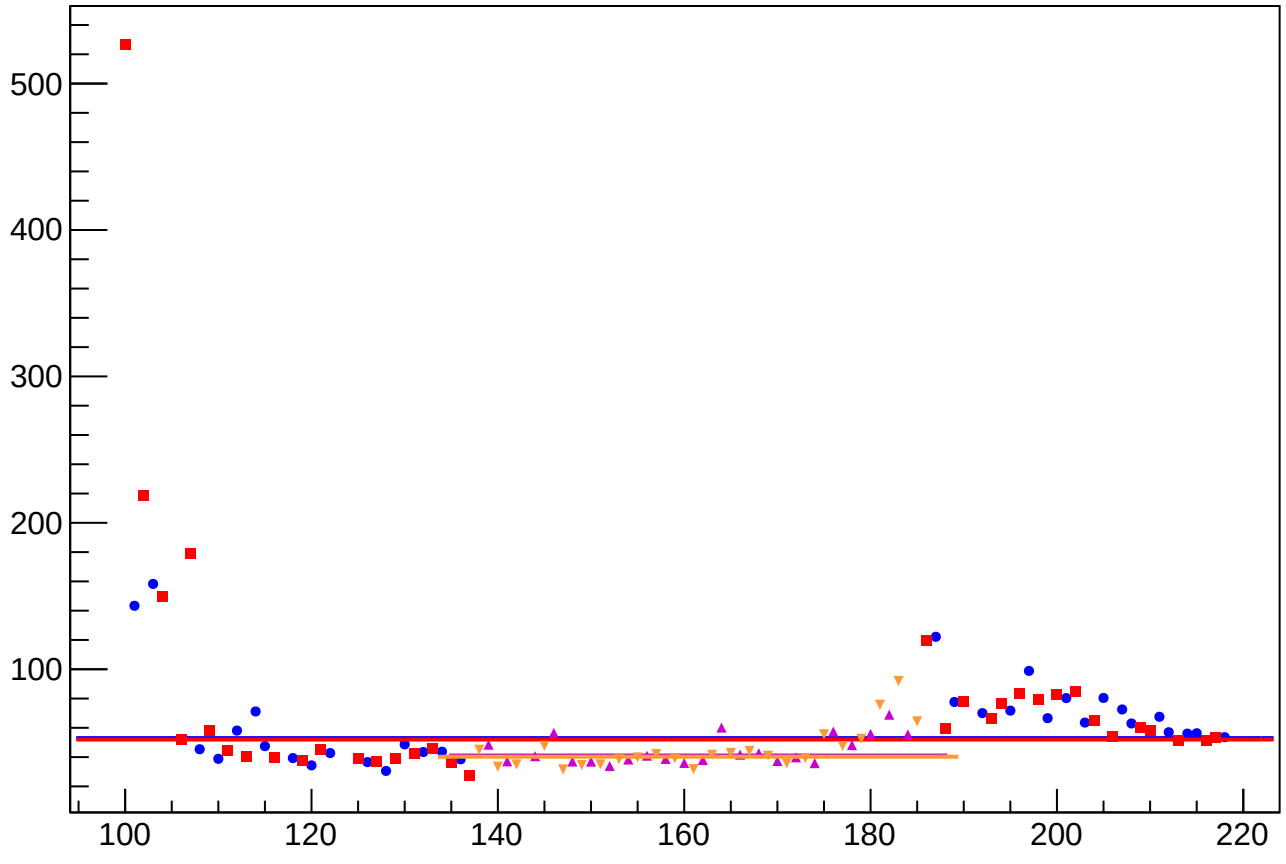
Left In: 41.082+/-0.007 χ^2/NDF:926843.9/22

+ sign 45.047+/-0.006 χ^2/NDF: 6199339.3/55

All: 45.151+/-0.004 χ^2/NDF: 11518650.3/112

- sign 45.258+/-0.006 χ^2/NDF: 5318656.2/56


asym_us_dd_at1lr_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug
0.5
0
−0.5
−1
−1.5
−2
−2.5
−3
−3.5
100
120
140
160
180
200
220
Right In: 0.000+/-0.013 χ²/NDF: 24.5/31
Left Out: 0.003+/-0.010 χ²/NDF:21.8/23
Right Out: 0.012+/-0.013 χ²/NDF: 35.3/33
Left In: 0.005+/-0.011 χ²/NDF:41.4/22
+ sign 0.002+/-0.008 χ²/NDF: 46.4/55
All: 0.005+/-0.006 χ²/NDF: 123.5/112
- sign 0.008+/-0.008 χ²/NDF: 76.9/56



Right In: 52.978+/-0.009 χ^2/NDF: 3583365.6/31

Left Out: 40.277+/-0.007 χ^2/NDF:1489065.3/23

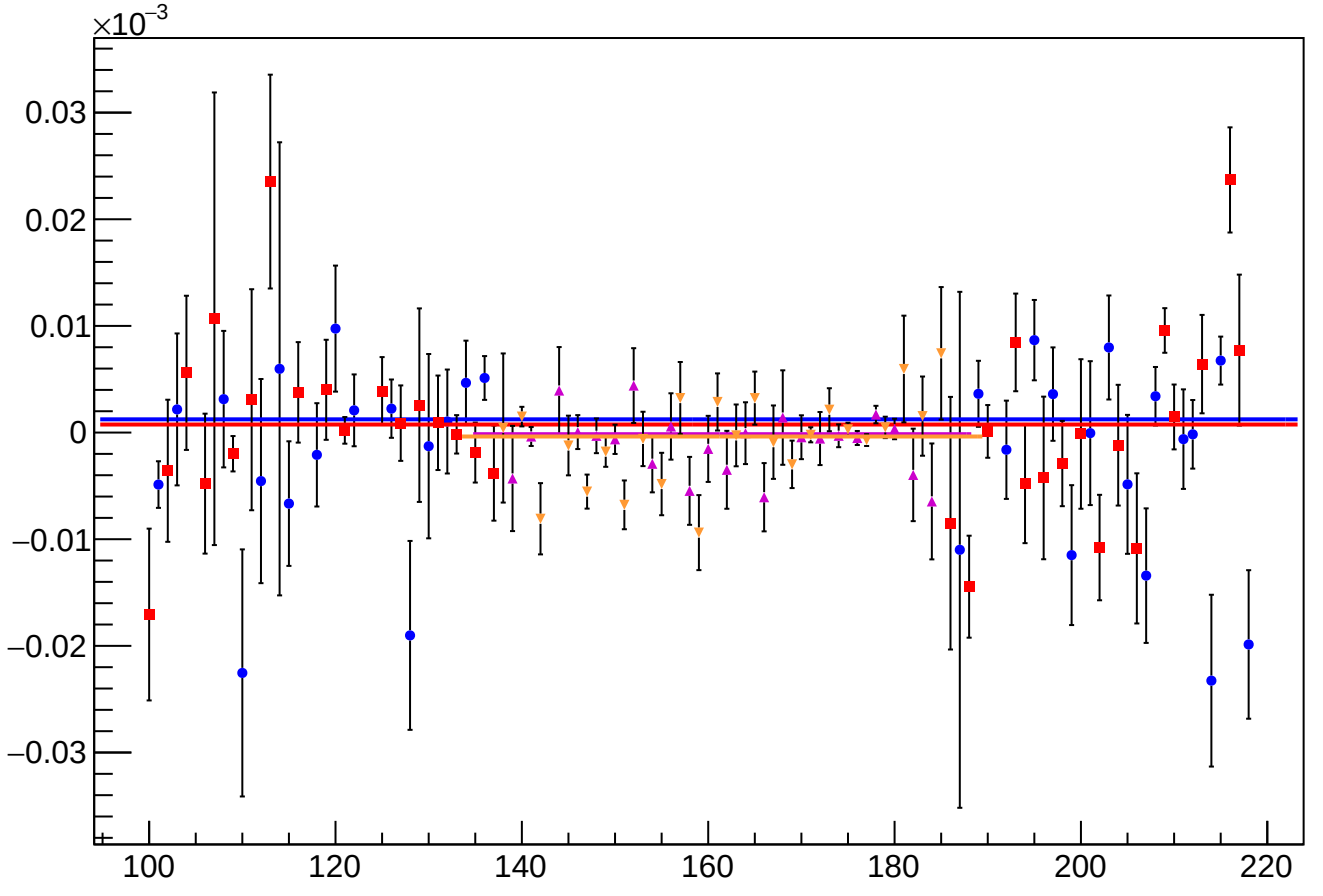
Right Out: 52.003+/-0.009 χ^2/NDF: 3574155.8/33

Left In: 41.082+/-0.007 χ^2/NDF:926843.9/22

+ sign 45.047+/-0.006 χ^2/NDF: 6199339.3/55

All: 45.151+/-0.004 χ^2/NDF: 11518650.3/112

- sign 45.258+/-0.006 χ^2/NDF: 5318656.2/56



Right In: 0.000+/-0.000 χ^2/NDF: 69.6/31

Left Out: -0.000+/-0.000 χ^2/NDF:51.2/23

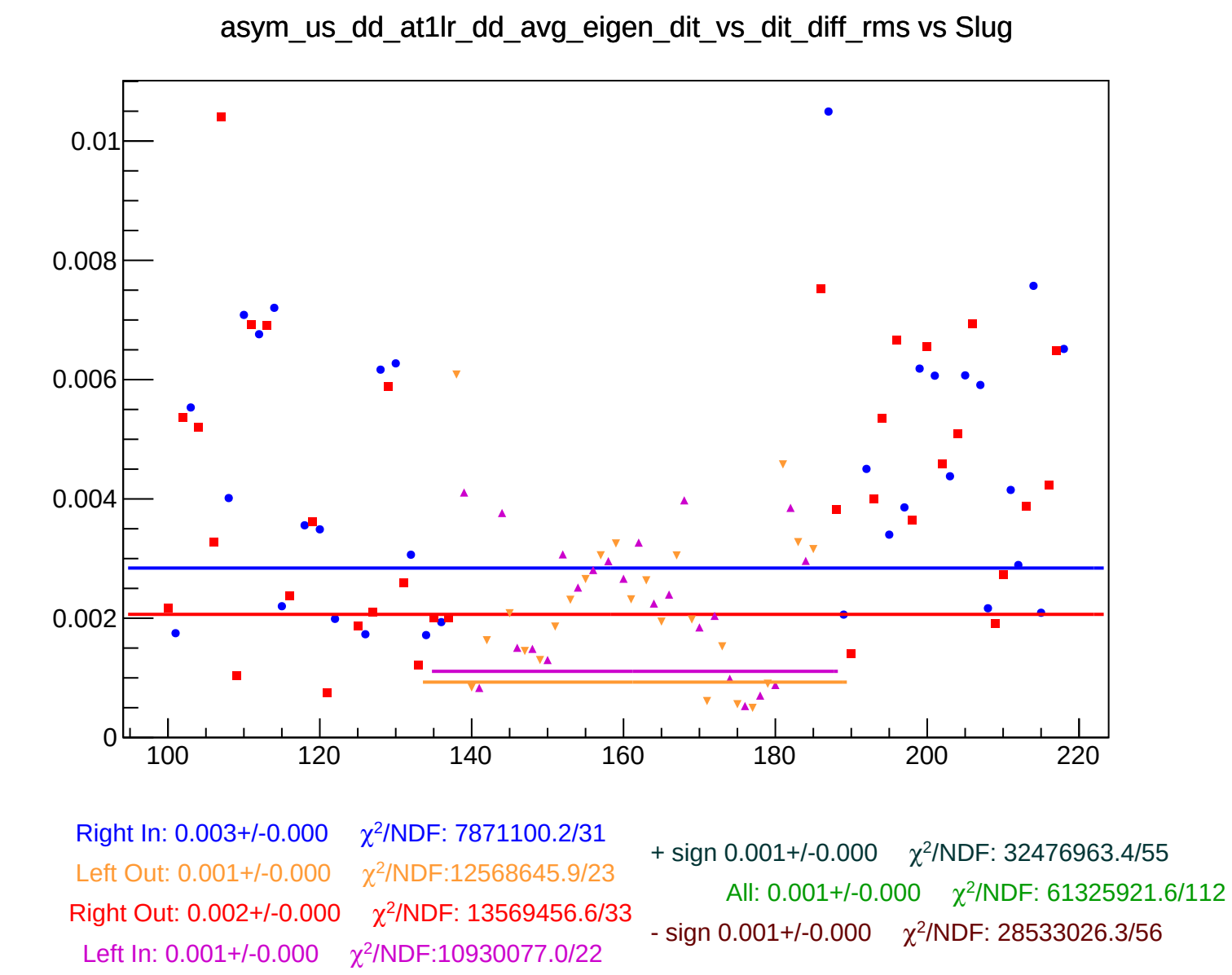
Right Out: 0.000+/-0.000 χ^2/NDF: 85.0/33

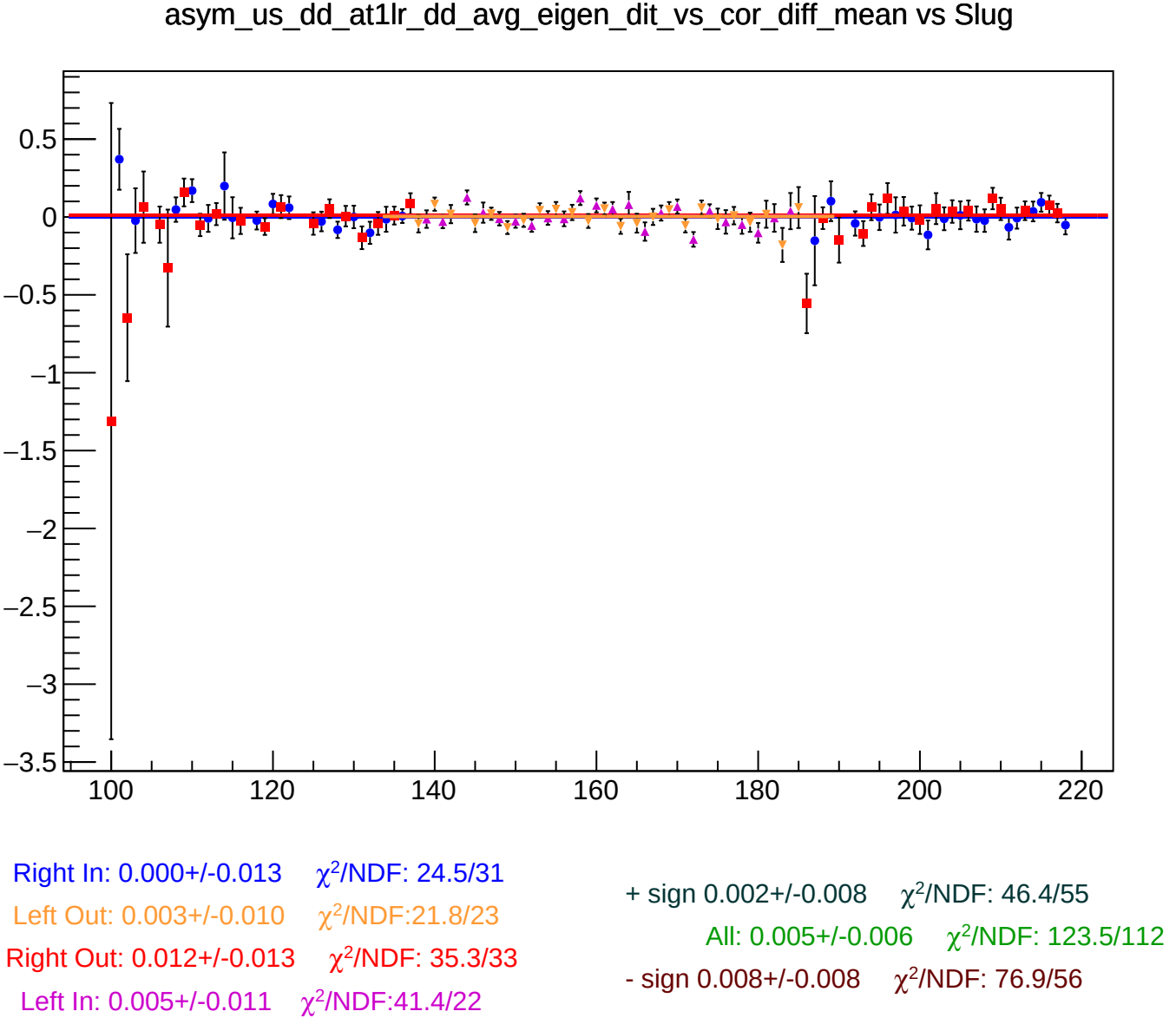
Left In: -0.000+/-0.000 χ^2/NDF:19.9/22

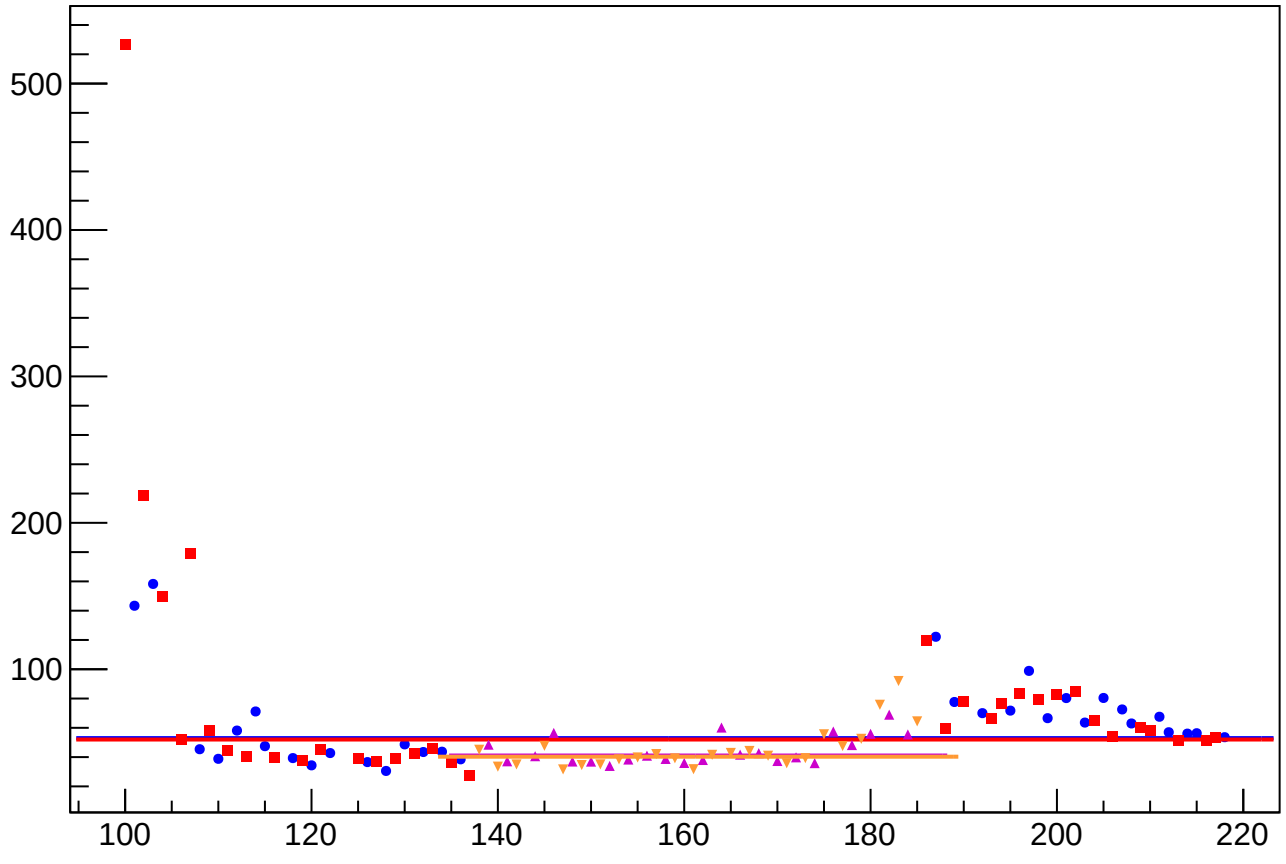
+ sign -0.000+/-0.000 χ^2/NDF: 125.0/55

All: -0.000+/-0.000 χ^2/NDF: 232.1/112

- sign 0.000+/-0.000 χ^2/NDF: 106.7/56


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
120
140
160
180
200
220
Right In: 0.003+/-0.000 χ²/NDF: 7871100.2/31
Left Out: 0.001+/-0.000 χ²/NDF:12568645.9/23
Right Out: 0.002+/-0.000 χ²/NDF: 13569456.6/33
Left In: 0.001+/-0.000 χ²/NDF:10930077.0/22
+ sign 0.001+/-0.000 χ²/NDF: 32476963.4/55
All: 0.001+/-0.000 χ²/NDF: 61325921.6/112
- sign 0.001+/-0.000 χ²/NDF: 28533026.3/56


asym_us_dd_at1lr_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug
0.5
0
−0.5
−1
−1.5
−2
−2.5
−3
−3.5
100
120
140
160
180
200
220
Right In: 0.000+/-0.013 χ²/NDF: 24.5/31
Left Out: 0.003+/-0.010 χ²/NDF:21.8/23
Right Out: 0.012+/-0.013 χ²/NDF: 35.3/33
Left In: 0.005+/-0.011 χ²/NDF:41.4/22
+ sign 0.002+/-0.008 χ²/NDF: 46.4/55
All: 0.005+/-0.006 χ²/NDF: 123.5/112
- sign 0.008+/-0.008 χ²/NDF: 76.9/56



Right In: 52.976+/-0.009 χ^2/NDF: 3584011.5/31

Left Out: 40.277+/-0.007 χ^2/NDF:1489049.7/23

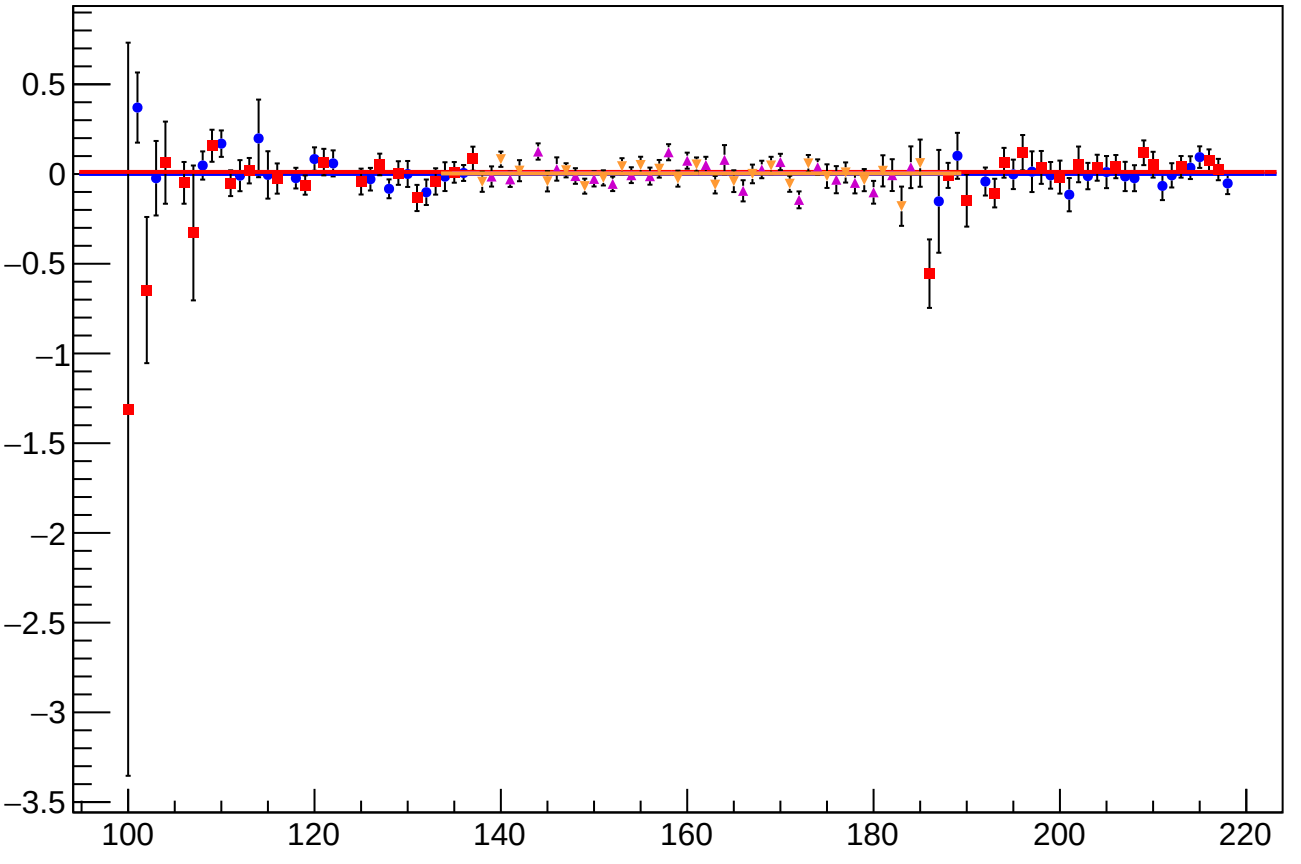
Right Out: 52.004+/-0.009 χ^2/NDF: 3574116.9/33

Left In: 41.082+/-0.007 χ^2/NDF:926883.3/22

+ sign 45.047+/-0.006 χ^2/NDF: 6199672.2/55

All: 45.151+/-0.004 χ^2/NDF: 11519064.1/112

- sign 45.259+/-0.006 χ^2/NDF: 5318733.0/56



Right In: 0.000+/-0.013 χ^2/NDF: 24.5/31

Left Out: 0.003+/-0.010 χ^2/NDF:21.8/23

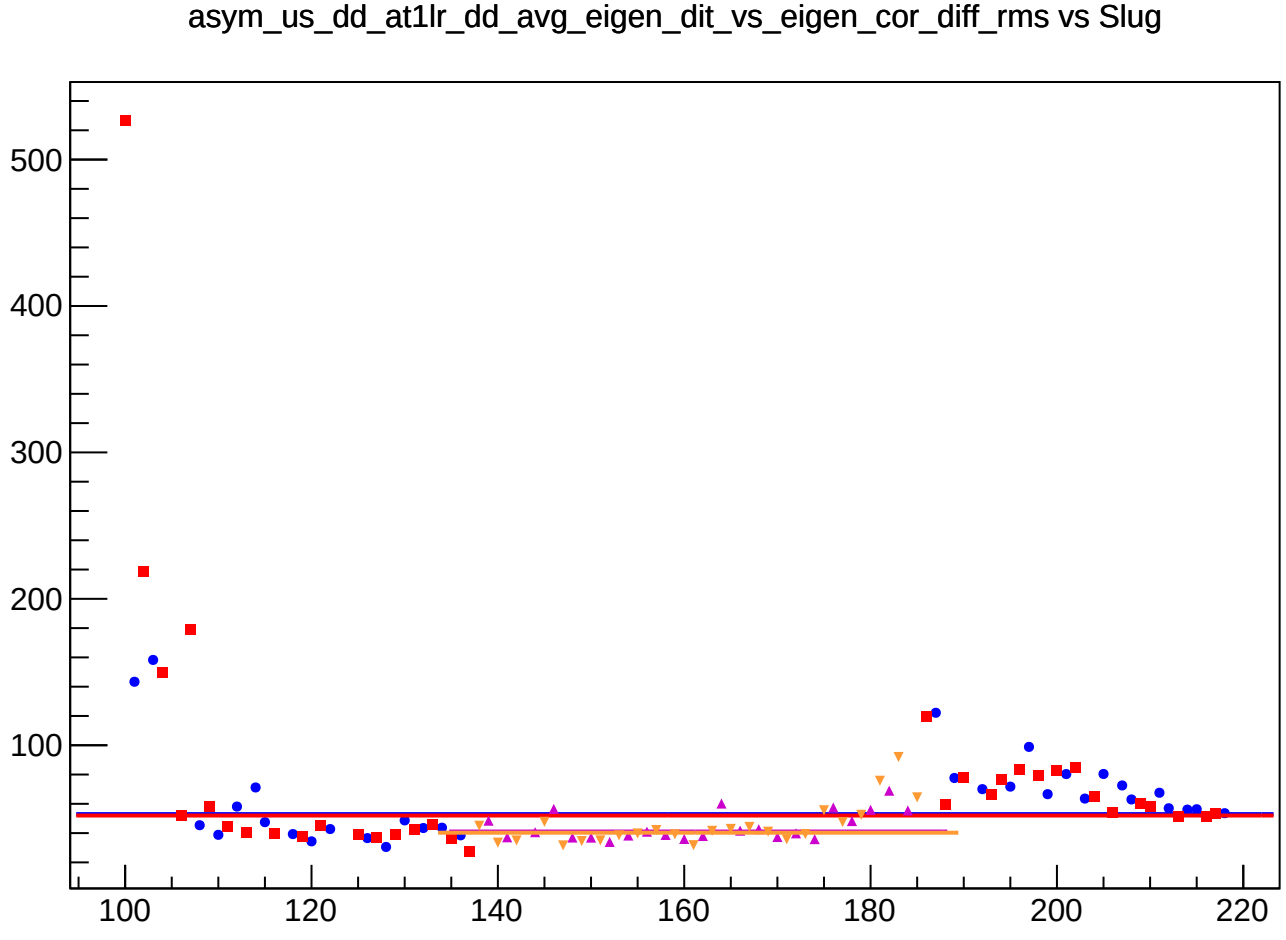
Right Out: 0.012+/-0.013 χ^2/NDF: 35.3/33

Left In: 0.005+/-0.011 χ^2/NDF:41.4/22

+ sign 0.002+/-0.008 χ^2/NDF: 46.4/55

All: 0.005+/-0.006 χ^2/NDF: 123.5/112

- sign 0.008+/-0.008 χ^2/NDF: 76.9/56



Right In: 52.976+/-0.009 χ^2/NDF: 3584011.5/31

Left Out: 40.277+/-0.007 χ^2/NDF:1489049.7/23

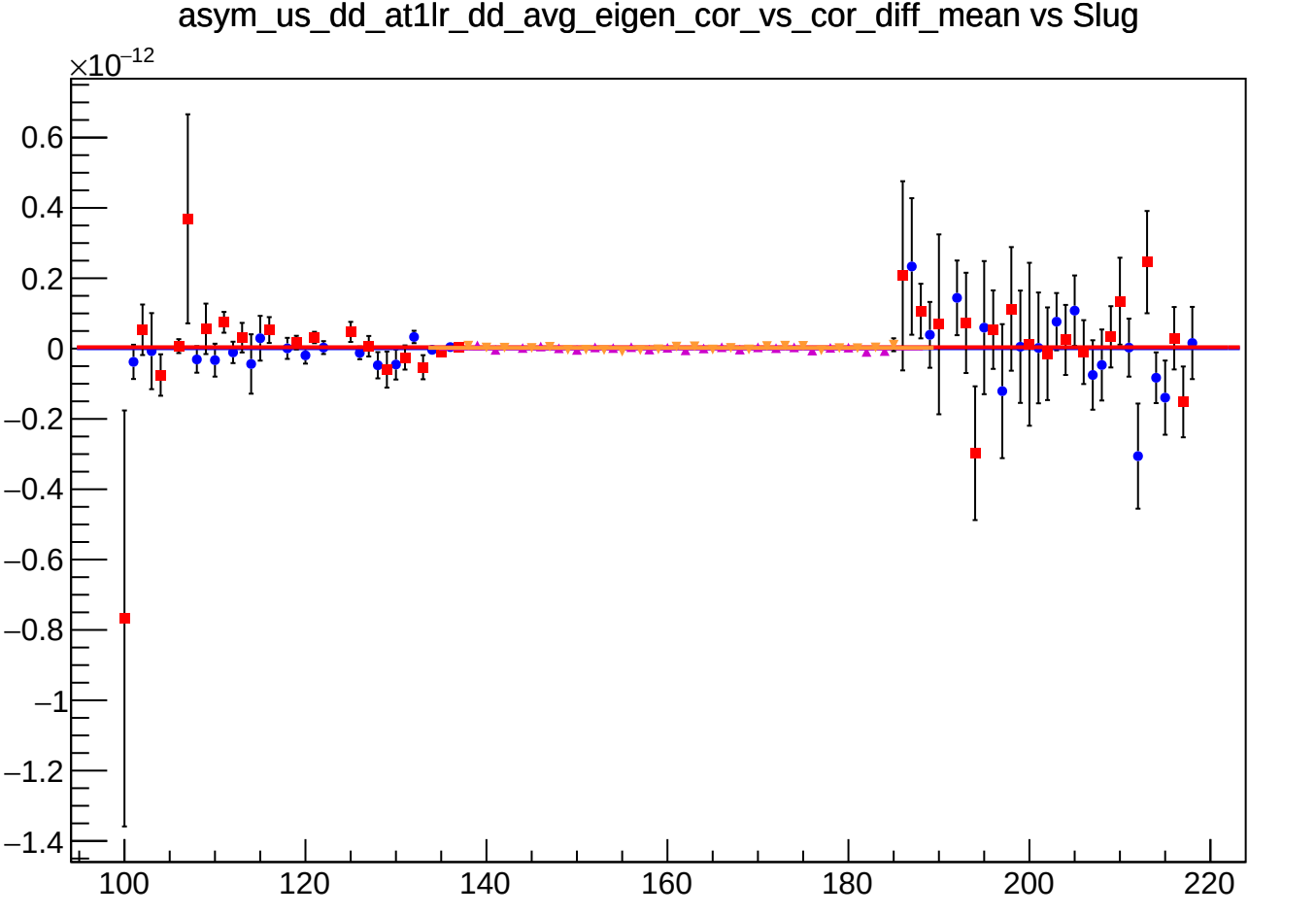
Right Out: 52.004+/-0.009 χ^2/NDF: 3574116.9/33

Left In: 41.082+/-0.007 χ^2/NDF:926883.3/22

+ sign 45.047+/-0.006 χ^2/NDF: 6199672.2/55

All: 45.151+/-0.004 χ^2/NDF: 11519064.1/112

- sign 45.259+/-0.006 χ^2/NDF: 5318733.0/56



Right In: 0.000+/-0.000 χ^2/NDF: 24.6/31

Left Out: 0.000+/-0.000 χ^2/NDF:25.2/23

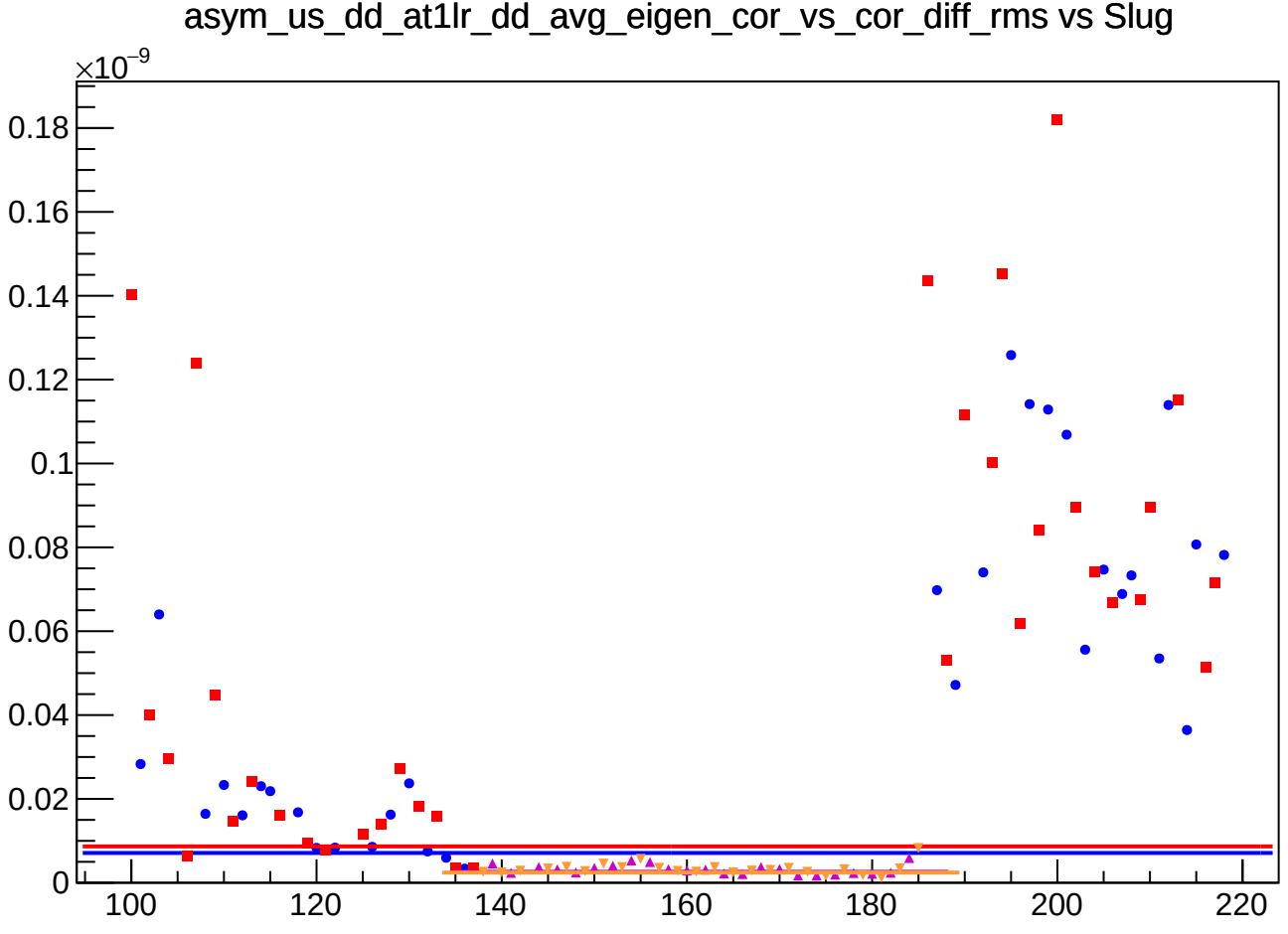
Right Out: 0.000+/-0.000 χ^2/NDF: 41.1/33

Left In: 0.000+/-0.000 χ^2/NDF:23.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 49.9/55

All: 0.000+/-0.000 χ^2/NDF: 116.5/112

- sign 0.000+/-0.000 χ^2/NDF: 64.8/56



Right In: 0.000+/-0.000 χ^2/NDF: 15161827.9/31

Left Out: 0.000+/-0.000 χ^2/NDF:2792453.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 15871605.8/33

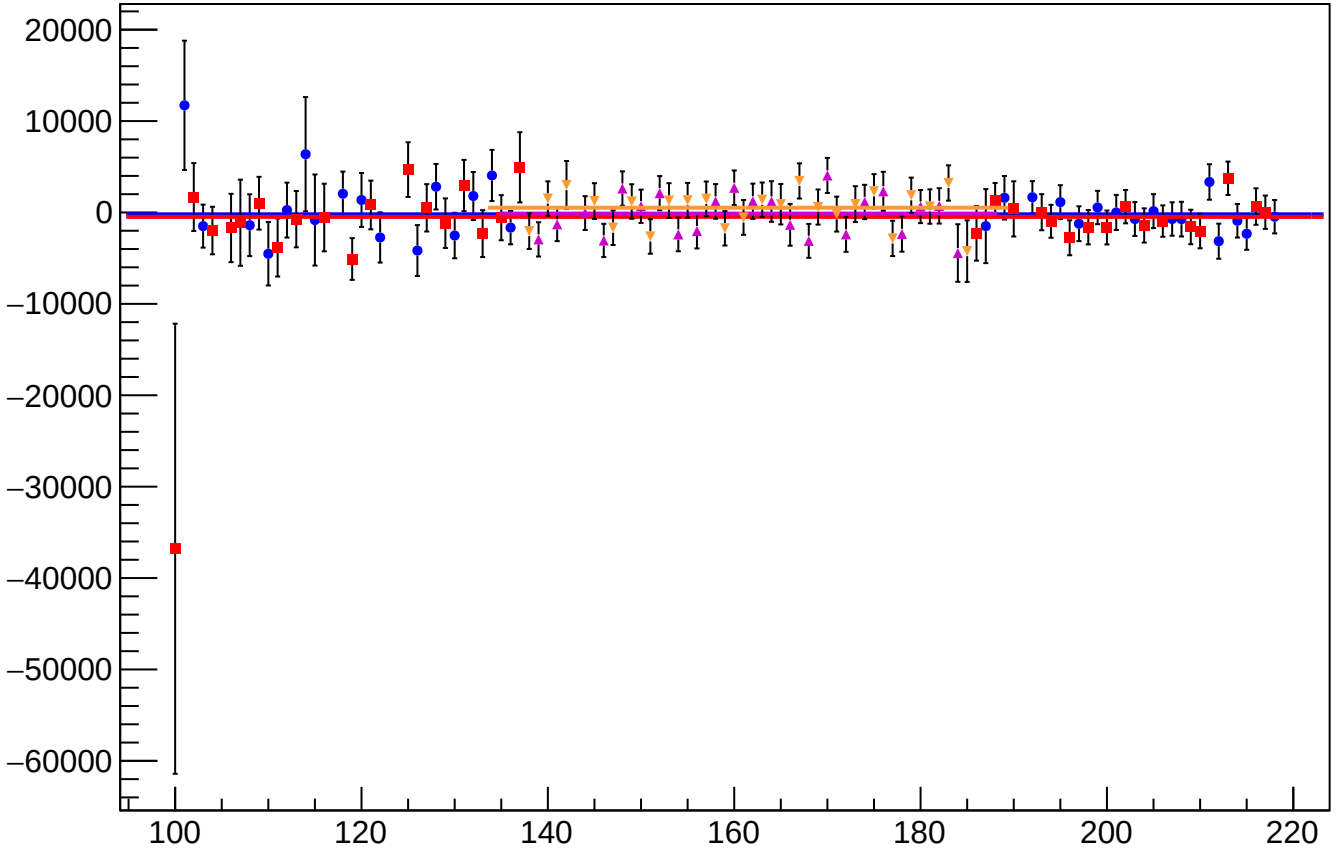
Left In: 0.000+/-0.000 χ^2/NDF:1949059.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 20745564.0/55

All: 0.000+/-0.000 χ^2/NDF: 41859880.2/112

- sign 0.000+/-0.000 χ^2/NDF: 21060783.4/56

reg_asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: -202.350+/-398.257 χ^2/NDF: 26.2/31

Left Out: 519.929+/-401.705 χ^2/NDF:20.8/23

Right Out: -480.868+/-400.516 χ^2/NDF: 27.0/33

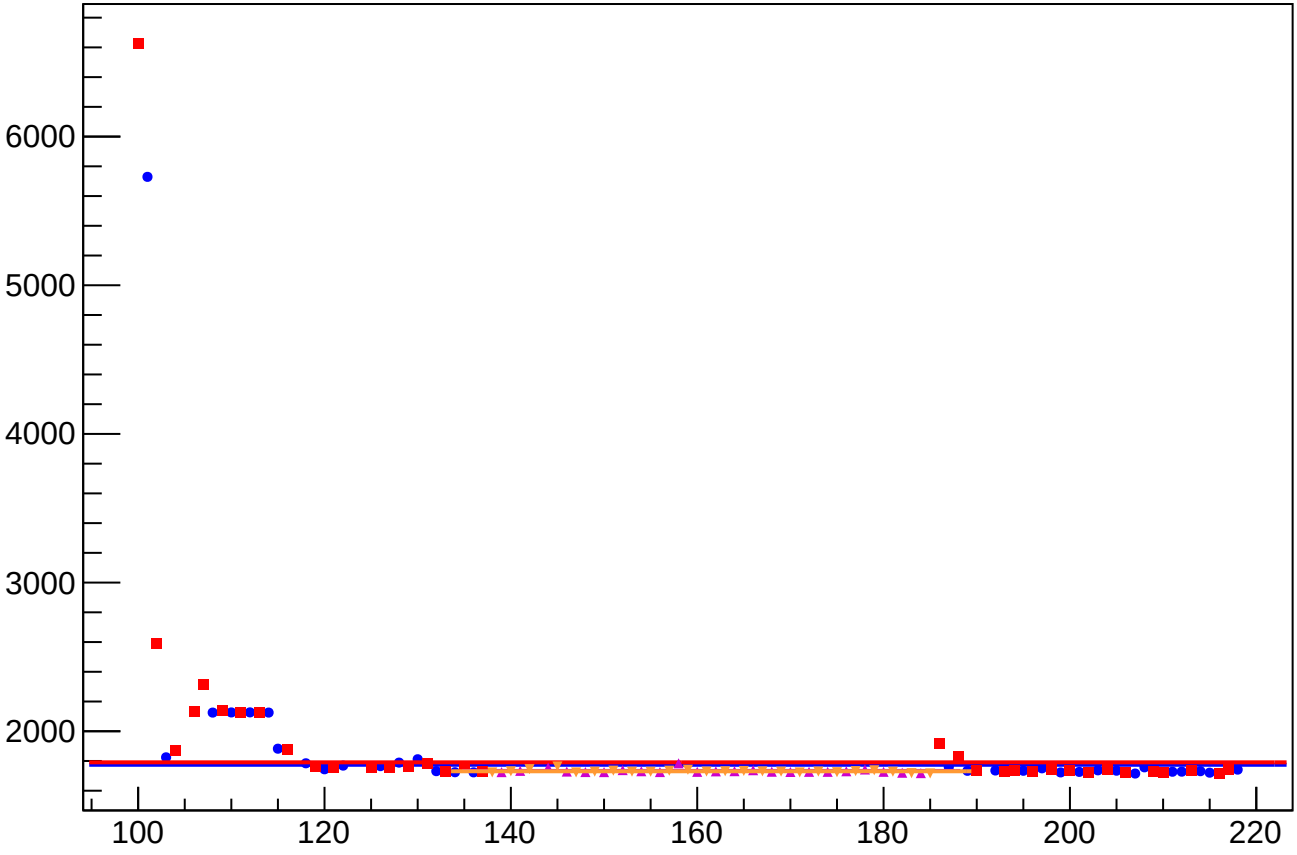
Left In: -126.031+/-404.630 χ^2/NDF:29.5/22

+ sign 155.677+/-282.822 χ^2/NDF: 48.6/55

All: -73.307+/-200.629 χ^2/NDF: 106.8/112

- sign -305.262+/-284.651 χ^2/NDF: 56.9/56

reg_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1774.539+/-0.282 χ^2/NDF: 721755.1/31

Left Out: 1730.847+/-0.284 χ^2/NDF:969.7/23

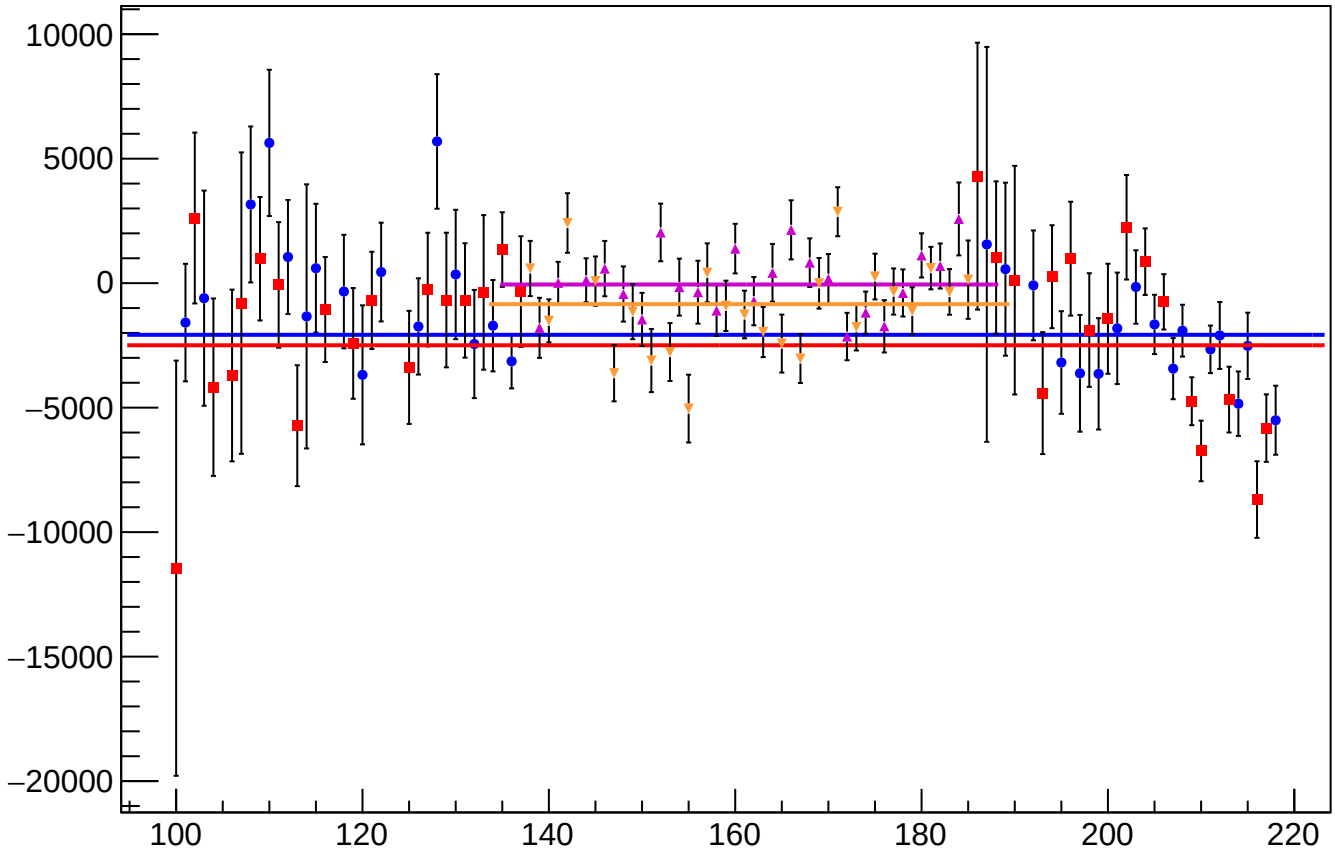
Right Out: 1790.919+/-0.283 χ^2/NDF: 324490.1/33

Left In: 1733.007+/-0.286 χ^2/NDF:2237.4/22

+ sign 1752.881+/-0.200 χ^2/NDF: 734657.1/55

All: 1757.540+/-0.142 χ^2/NDF: 1083170.0/11

- sign 1762.259+/-0.201 χ^2/NDF: 347420.7/56



Right In: -2075.007+/-308.422 χ^2/NDF: 42.6/31

Left Out: -842.437+/-210.852 χ^2/NDF:62.7/23

Right Out: -2494.765+/-333.331 χ^2/NDF: 84.7/33

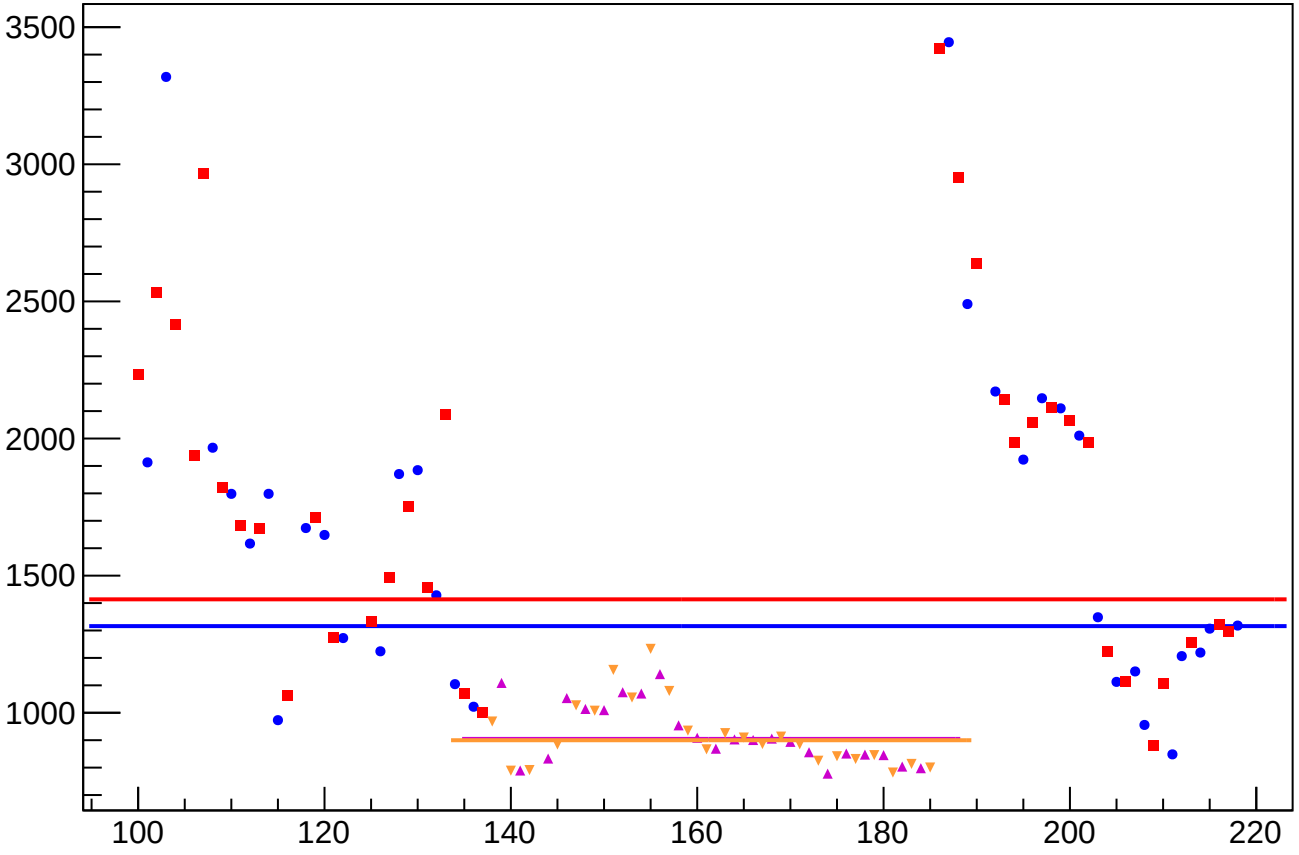
Left In: -53.905+/-212.966 χ^2/NDF:30.6/22

+ sign -1235.024+/-174.063 χ^2/NDF: 116.2/55

All: -1005.466+/-124.947 χ^2/NDF: 273.1/112

- sign -761.441+/-179.465 χ^2/NDF: 153.4/56

asym_us_dd_at1lr_dd_dd_reg_correction_rms vs Slug



Right In: 1315.951+/-0.218 χ^2/NDF: 3607924.6/31

Left Out: 899.811+/-0.149 χ^2/NDF:495328.4/23

Right Out: 1413.596+/-0.236 χ^2/NDF: 3976179.4/33

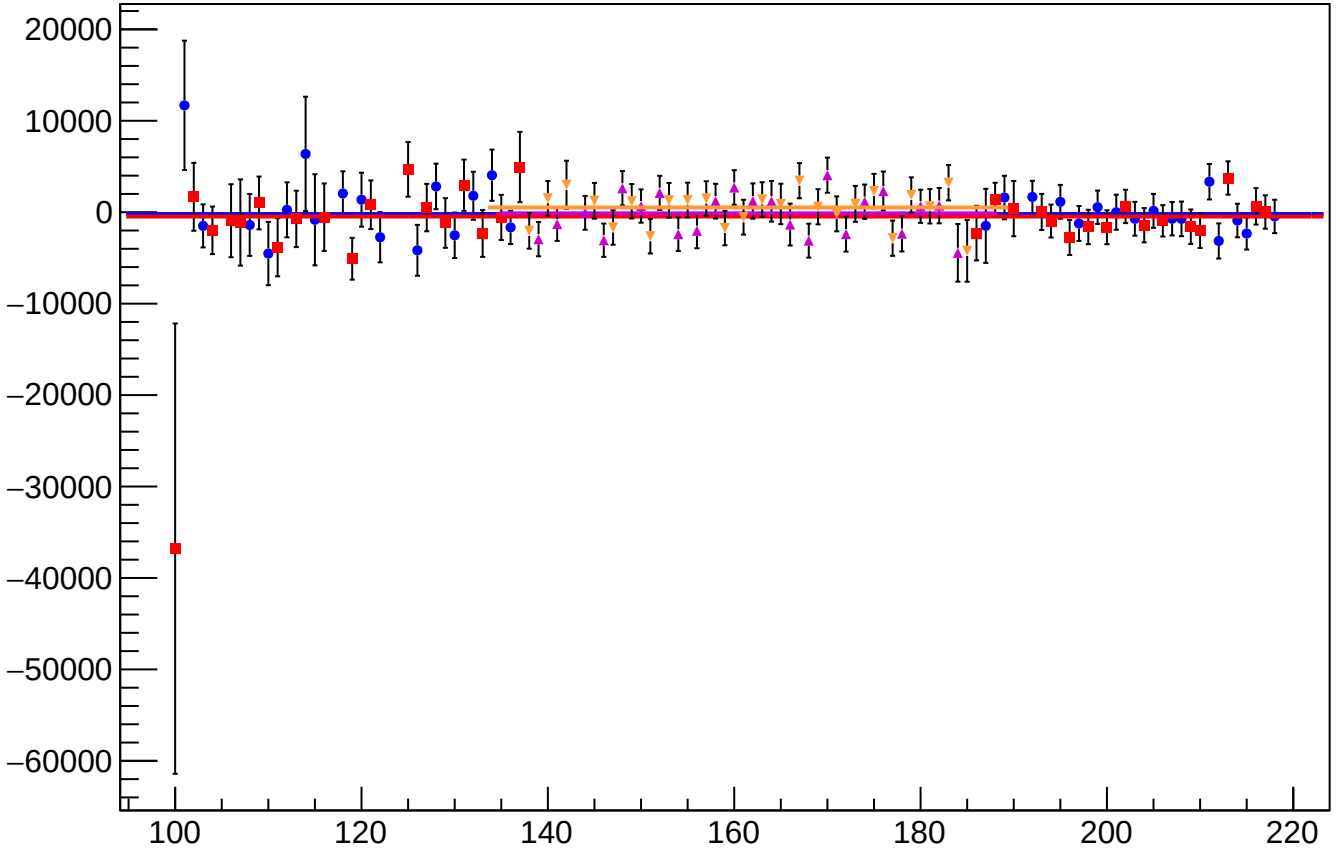
Left In: 904.656+/-0.151 χ^2/NDF:452251.7/22

+ sign 1032.357+/-0.123 χ^2/NDF: 6584540.9/55

All: 1041.967+/-0.088 χ^2/NDF: 14336464.8/1

- sign 1052.183+/-0.127 χ^2/NDF: 7739346.1/56

cor_asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: -202.658+/-398.258 χ^2/NDF: 26.2/31

Left Out: 519.957+/-401.705 χ^2/NDF:20.8/23

Right Out: -471.548+/-400.805 χ^2/NDF: 27.0/33

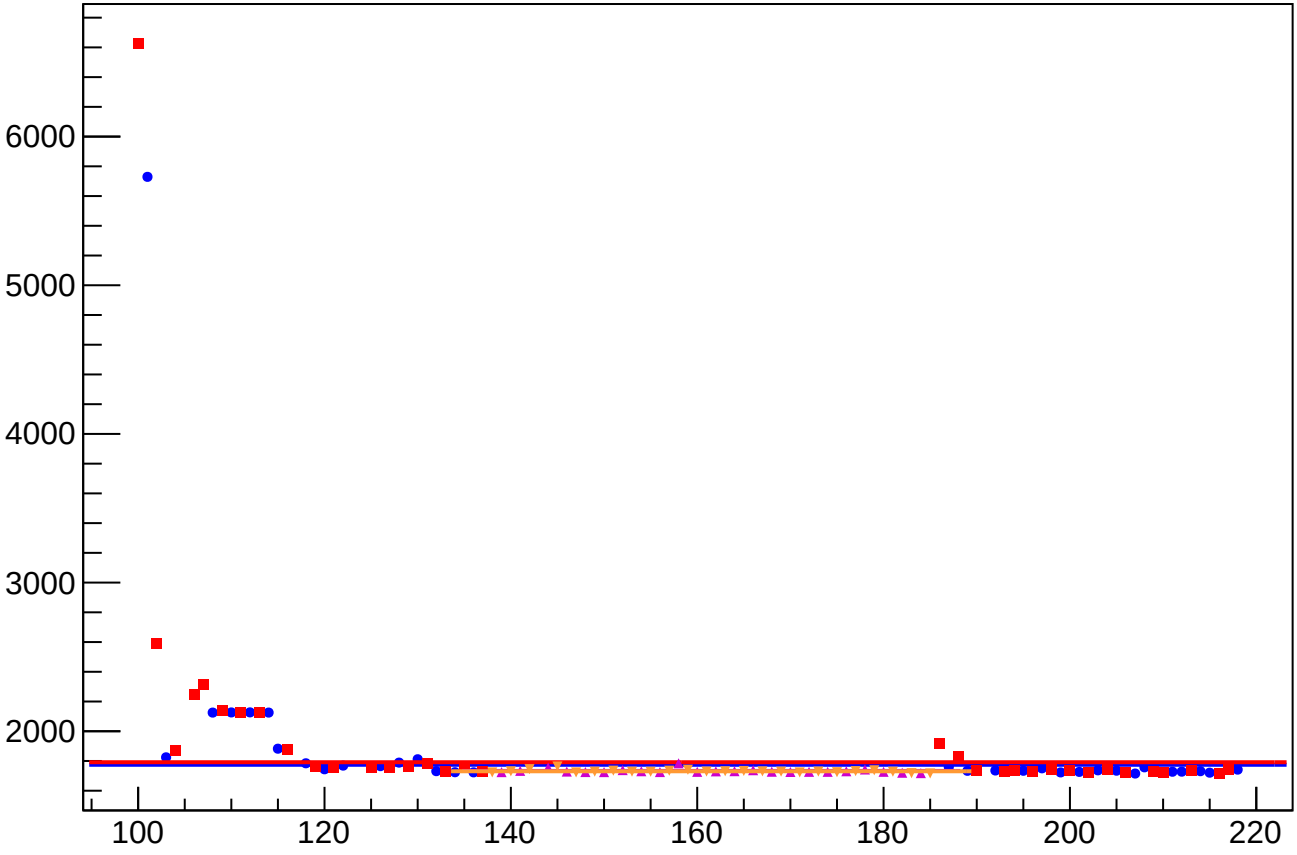
Left In: -126.091+/-404.630 χ^2/NDF:29.5/22

+ sign 155.535+/-282.822 χ^2/NDF: 48.6/55

All: -70.909+/-200.665 χ^2/NDF: 106.7/112

- sign -300.460+/-284.755 χ^2/NDF: 56.8/56

cor_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1774.539+/-0.282 χ^2/NDF: 721755.0/31

Left Out: 1730.847+/-0.284 χ^2/NDF:969.7/23

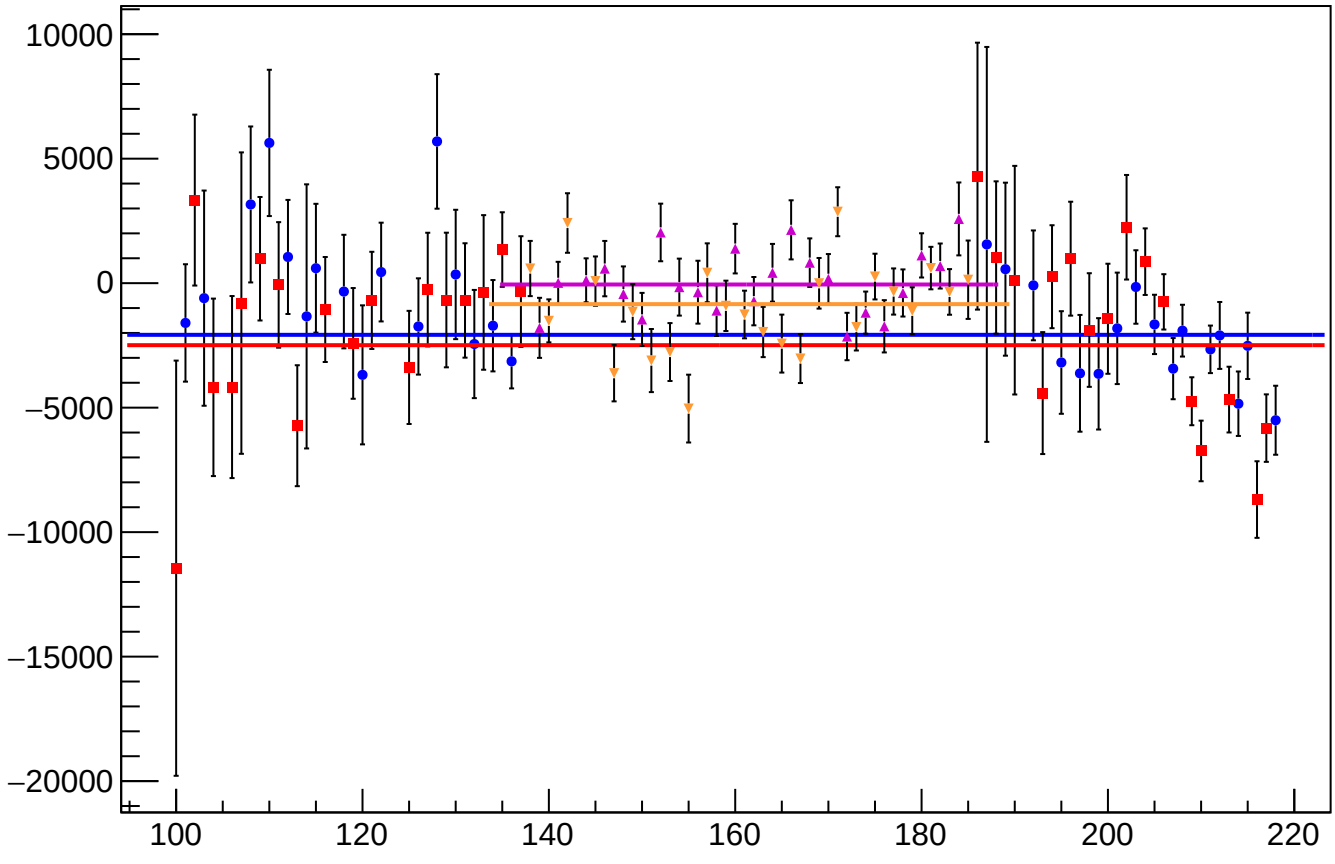
Right Out: 1791.601+/-0.283 χ^2/NDF: 334089.1/33

Left In: 1733.007+/-0.286 χ^2/NDF:2237.4/22

+ sign 1752.881+/-0.200 χ^2/NDF: 734657.0/55

All: 1757.699+/-0.142 χ^2/NDF: 1093320.5/11

- sign 1762.582+/-0.201 χ^2/NDF: 357495.1/56



Right In: -2075.191+/-308.414 χ^2/NDF: 42.6/31

Left Out: -842.473+/-210.853 χ^2/NDF:62.7/23

Right Out: -2490.622+/-333.501 χ^2/NDF: 85.4/33

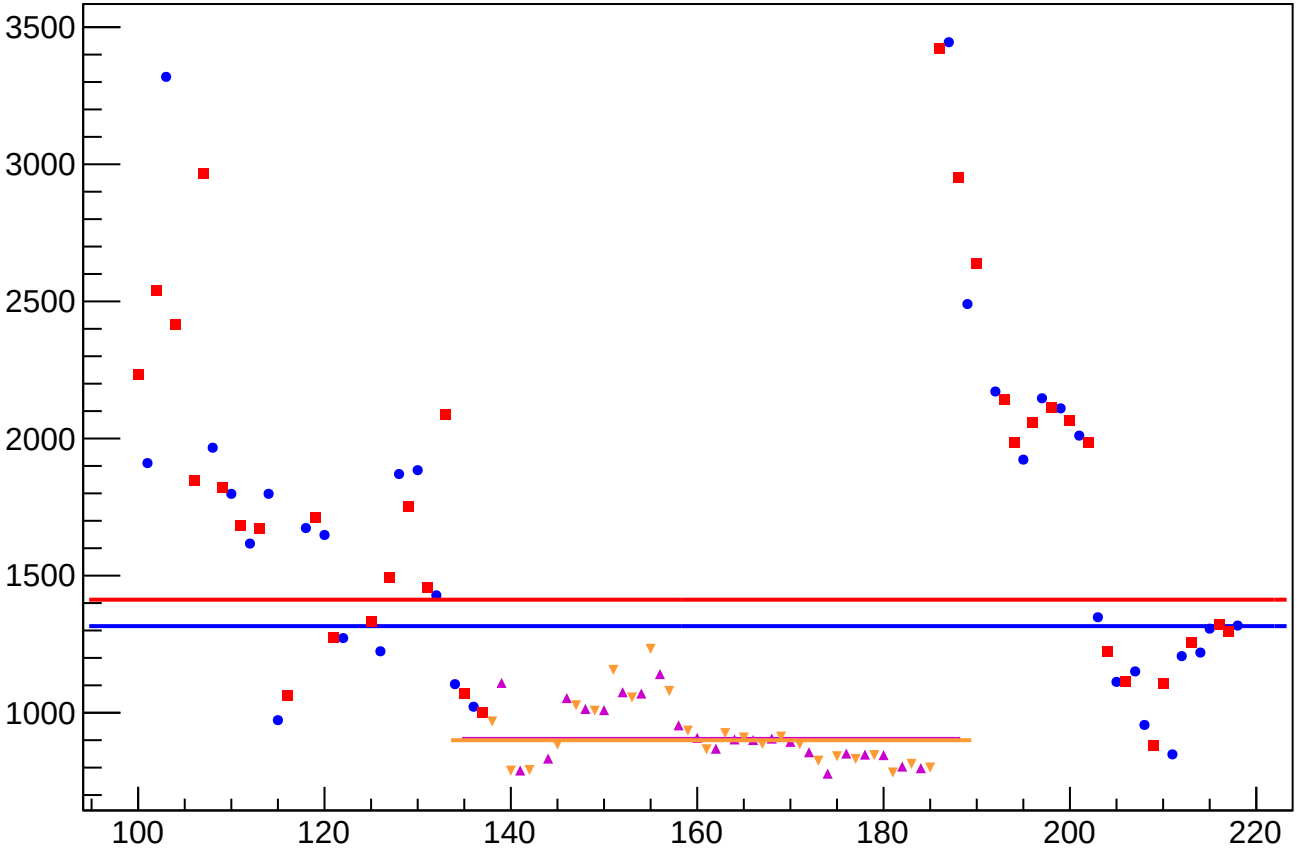
Left In: -53.927+/-212.965 χ^2/NDF:30.6/22

+ sign -1235.123+/-174.062 χ^2/NDF: 116.2/55

All: -1004.729+/-124.956 χ^2/NDF: 273.8/112

- sign -759.741+/-179.491 χ^2/NDF: 154.0/56

asym_us_dd_at1lr_dd_dd_cor_correction_rms vs Slug



Right In: 1315.929+/-0.218 χ^2/NDF: 3607247.7/31

Left Out: 899.814+/-0.149 χ^2/NDF:495276.2/23

Right Out: 1412.315+/-0.236 χ^2/NDF: 3959775.8/33

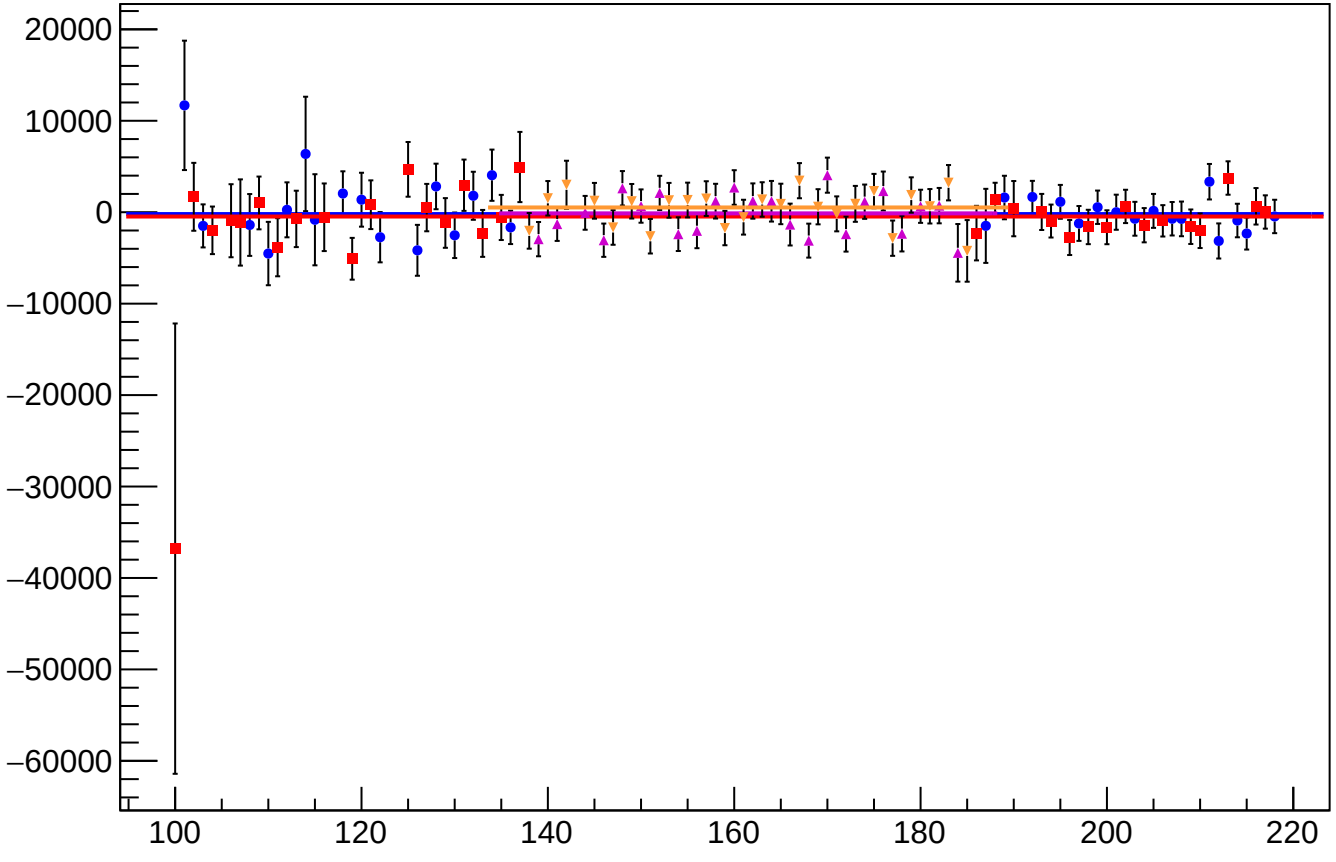
Left In: 904.653+/-0.151 χ^2/NDF:452259.2/22

+ sign 1032.357+/-0.123 χ^2/NDF: 6583594.6/55

All: 1041.733+/-0.088 χ^2/NDF: 14299536.1/1

- sign 1051.703+/-0.127 χ^2/NDF: 7703967.8/56

eigen_cor_asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: -202.658+/-398.258 χ^2/NDF: 26.2/31

Left Out: 519.957+/-401.705 χ^2/NDF:20.8/23

Right Out: -471.548+/-400.805 χ^2/NDF: 27.0/33

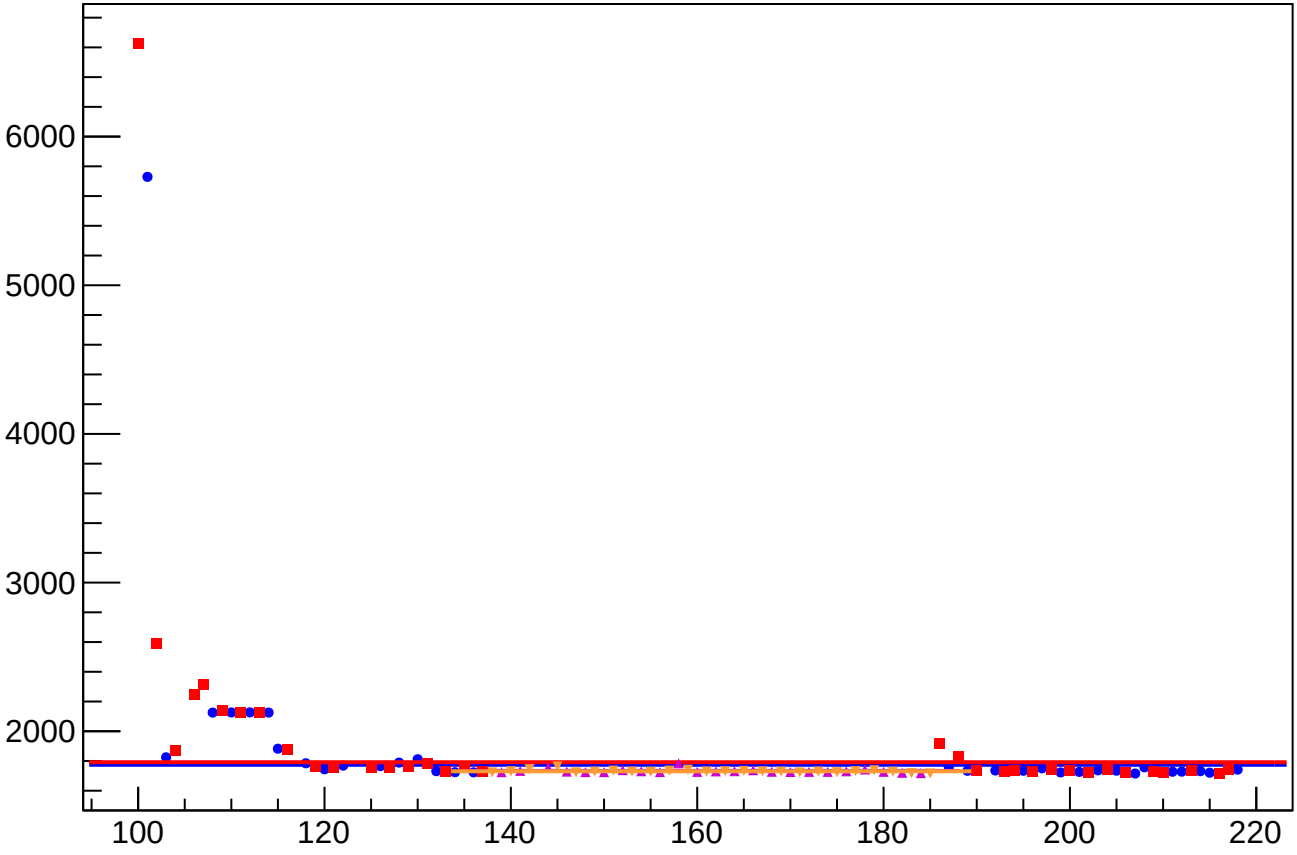
Left In: -126.091+/-404.630 χ^2/NDF:29.5/22

+ sign 155.535+/-282.822 χ^2/NDF: 48.6/55

All: -70.909+/-200.665 χ^2/NDF: 106.7/112

- sign -300.460+/-284.755 χ^2/NDF: 56.8/56

eigen_cor_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1774.539+/-0.282 χ^2/NDF: 721755.0/31

Left Out: 1730.847+/-0.284 χ^2/NDF:969.7/23

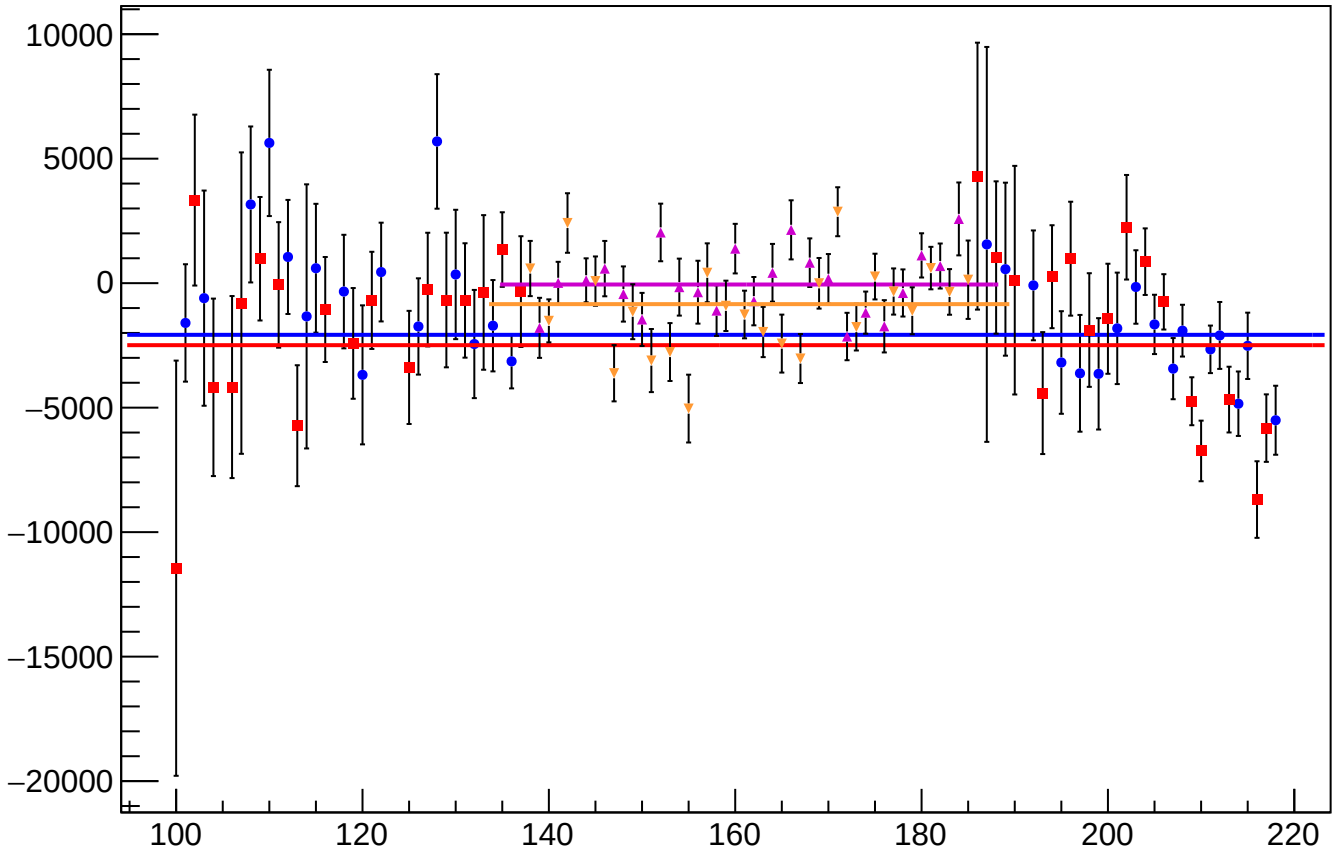
Right Out: 1791.601+/-0.283 χ^2/NDF: 334089.1/33

Left In: 1733.007+/-0.286 χ^2/NDF:2237.4/22

+ sign 1752.881+/-0.200 χ^2/NDF: 734657.0/55

All: 1757.699+/-0.142 χ^2/NDF: 1093320.5/11

- sign 1762.582+/-0.201 χ^2/NDF: 357495.1/56



Right In: -2075.191+/-308.414 χ^2/NDF: 42.6/31

Left Out: -842.473+/-210.853 χ^2/NDF:62.7/23

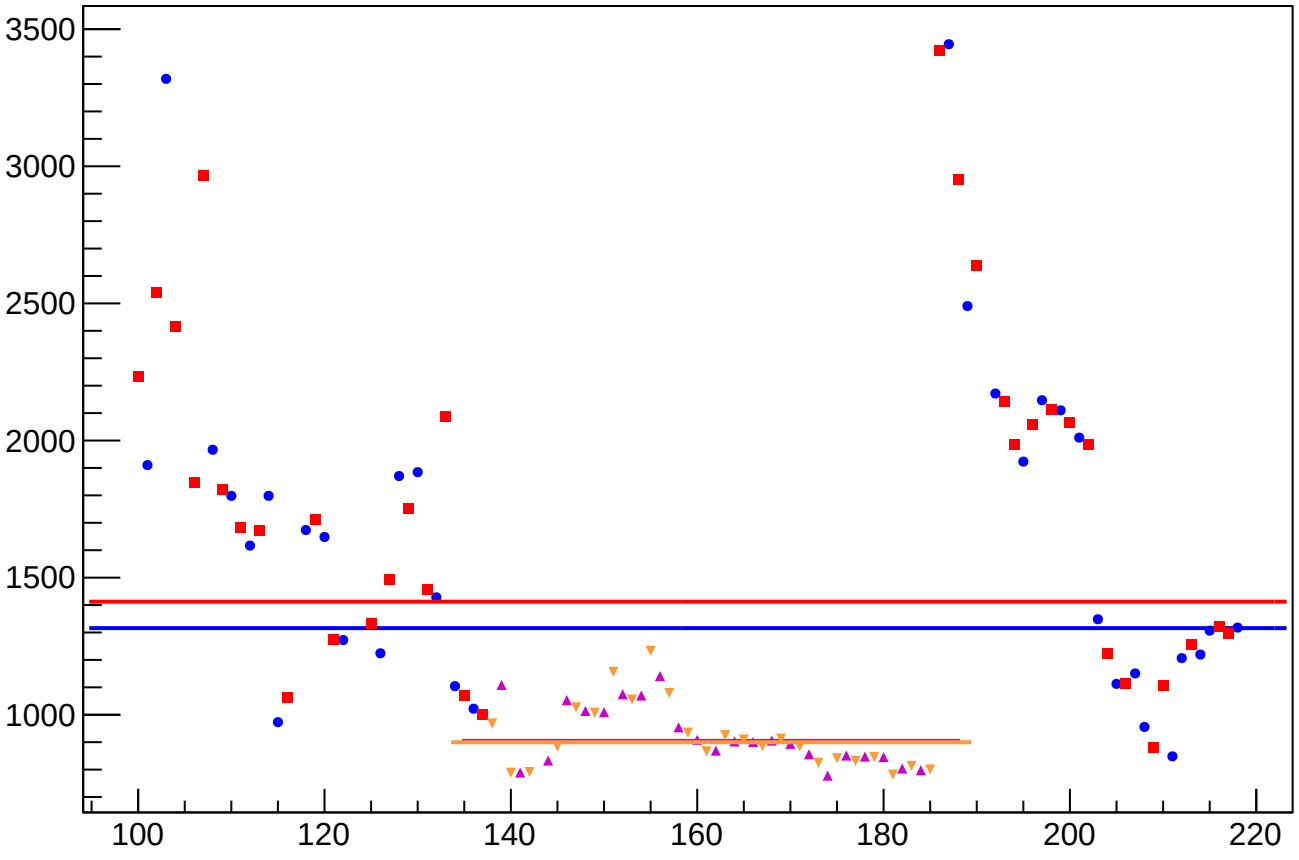
Right Out: -2490.622+/-333.501 χ^2/NDF: 85.4/33

Left In: -53.927+/-212.965 χ^2/NDF:30.6/22

\+ sign -1235.123+/-174.062 χ^2/NDF: 116.2/55

All: -1004.729+/-124.956 χ^2/NDF: 273.8/112

\- sign -759.741+/-179.491 χ^2/NDF: 154.0/56



Right In: 1315.929+/-0.218 χ^2/NDF: 3607247.7/31

Left Out: 899.814+/-0.149 χ^2/NDF:495276.2/23

Right Out: 1412.315+/-0.236 χ^2/NDF: 3959775.8/33

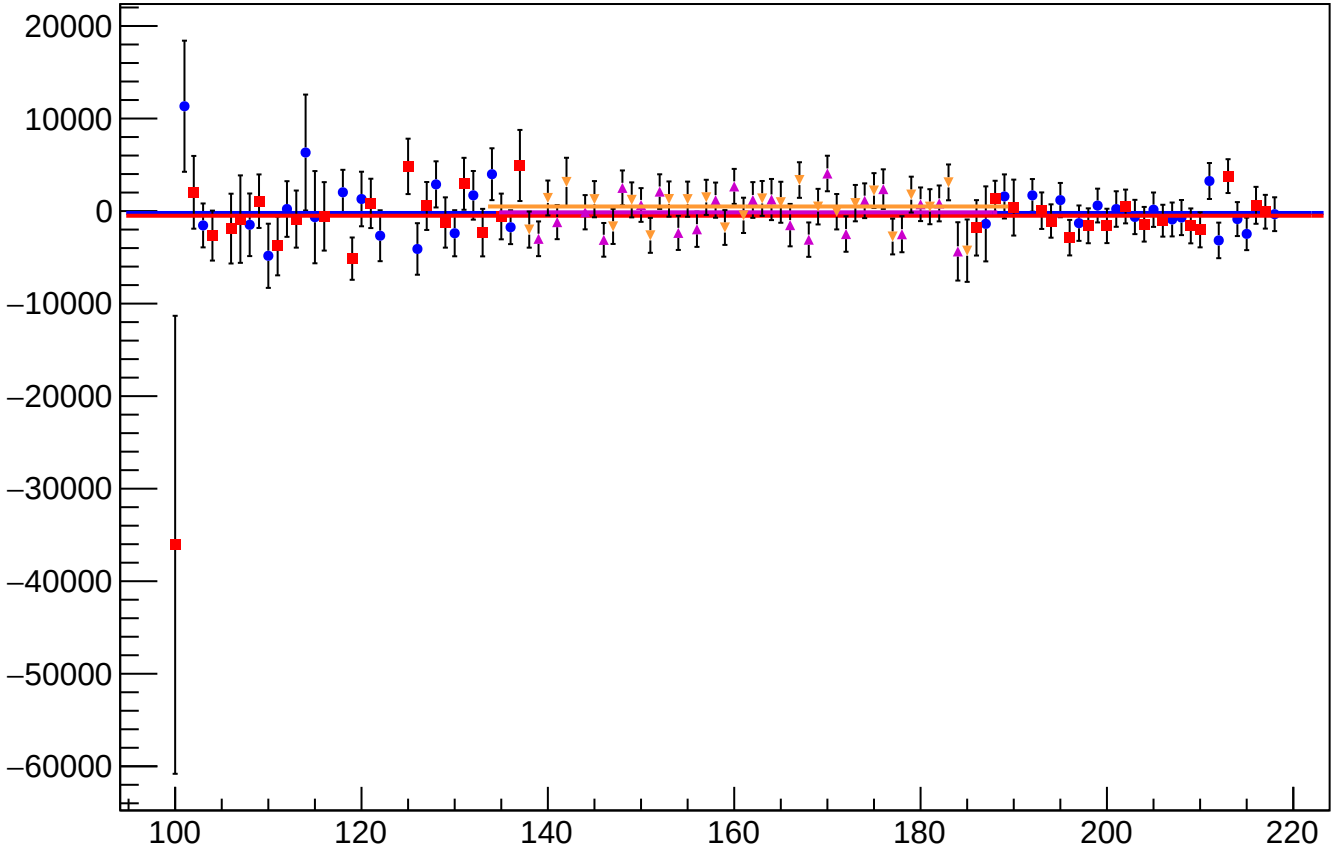
Left In: 904.653+/-0.151 χ^2/NDF:452259.2/22

+ sign 1032.357+/-0.123 χ^2/NDF: 6583594.6/55

All: 1041.733+/-0.088 χ^2/NDF: 14299536.1/1

- sign 1051.703+/-0.127 χ^2/NDF: 7703967.8/56

dit_asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: -206.682+/-398.648 χ^2/NDF: 26.3/31

Left Out: 494.897+/-402.069 χ^2/NDF:20.1/23

Right Out: -505.080+/-401.559 χ^2/NDF: 27.6/33

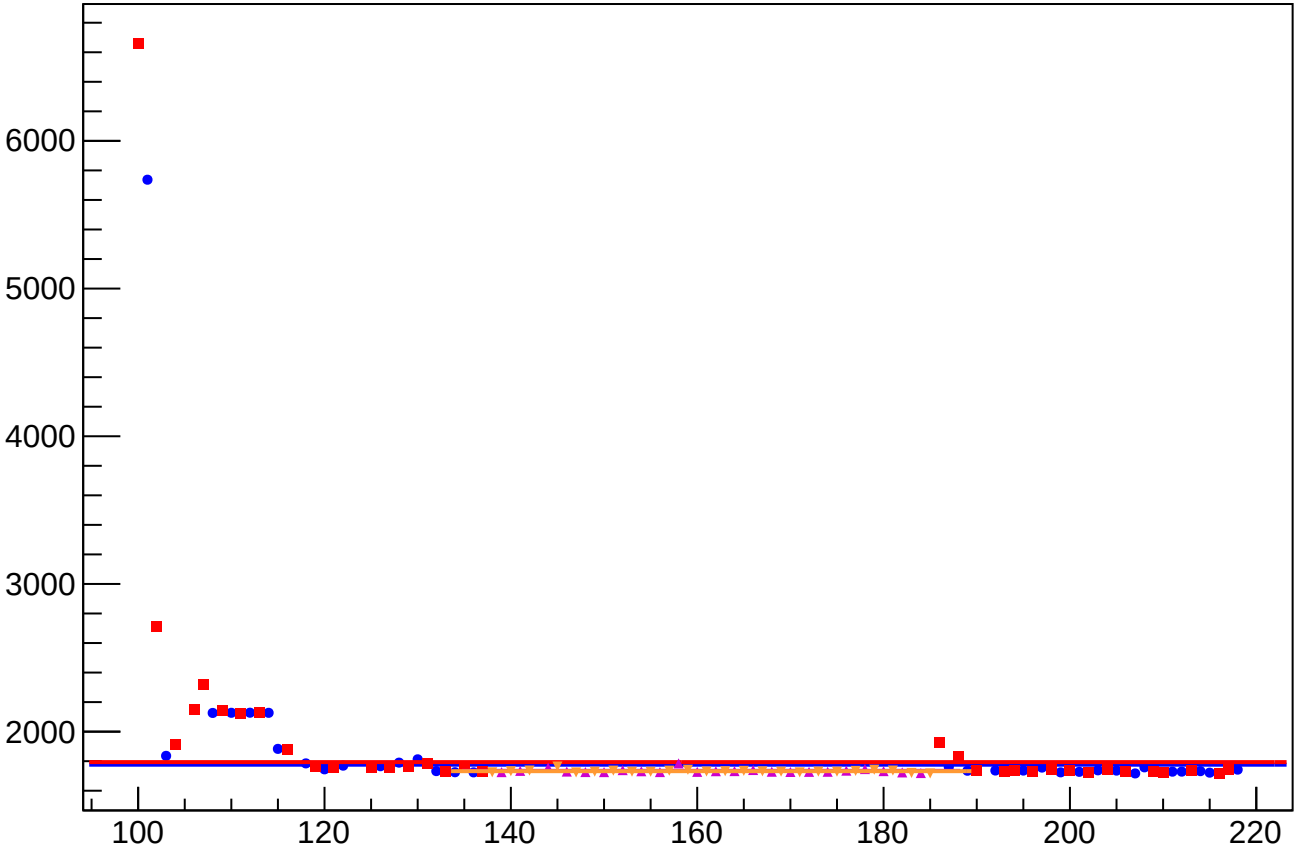
Left In: -137.162+/-404.995 χ^2/NDF:29.6/22

+ sign 141.110+/-283.089 χ^2/NDF: 47.8/55

All: -89.105+/-200.899 χ^2/NDF: 106.7/112

- sign -322.688+/-285.152 χ^2/NDF: 57.6/56

dit_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1776.172+/-0.282 χ^2/NDF: 722284.3/31

Left Out: 1732.389+/-0.284 χ^2/NDF:910.8/23

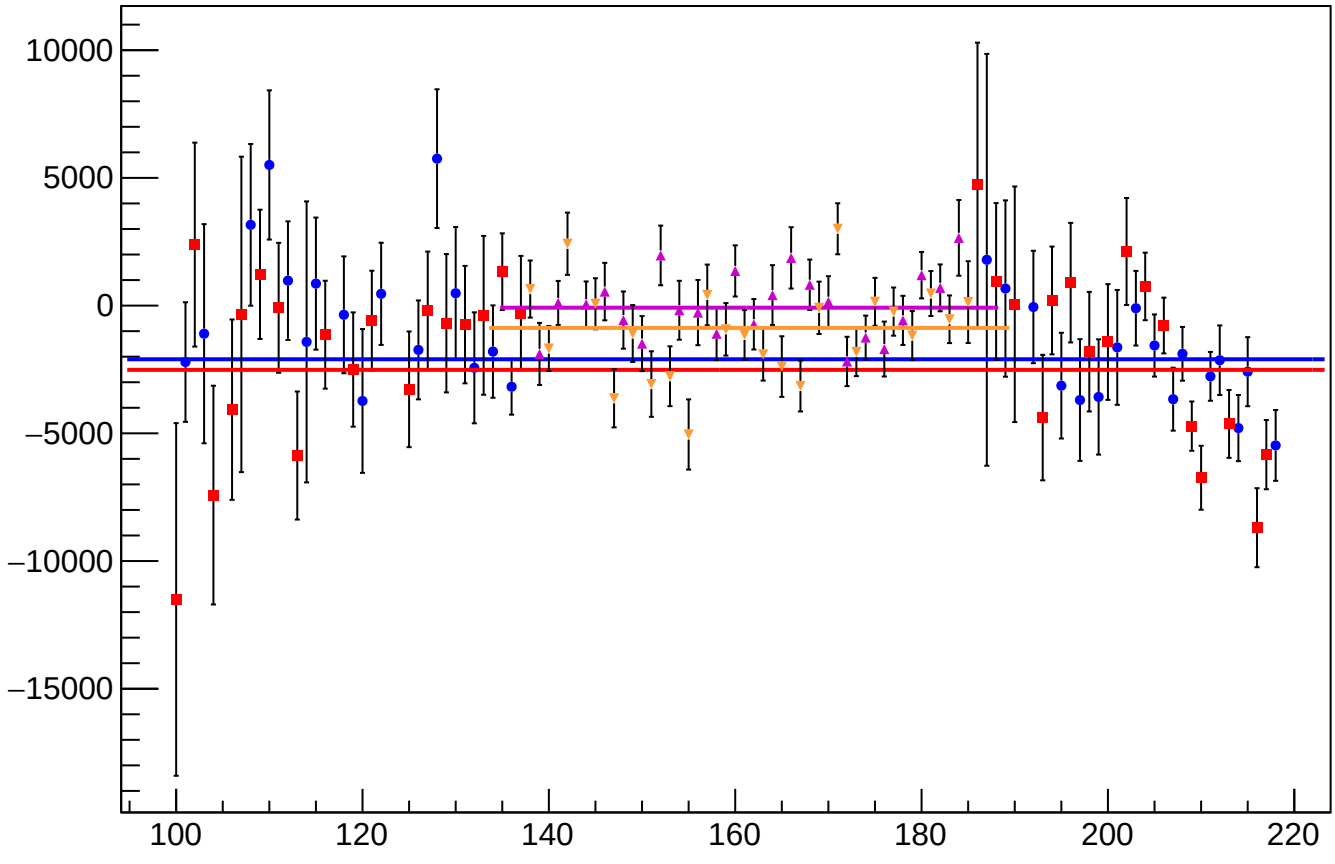
Right Out: 1793.709+/-0.284 χ^2/NDF: 345040.3/33

Left In: 1734.568+/-0.286 χ^2/NDF:2215.7/22

+ sign 1754.467+/-0.200 χ^2/NDF: 735154.4/55

All: 1759.393+/-0.142 χ^2/NDF: 1105136.4/11

- sign 1764.391+/-0.202 χ^2/NDF: 368762.2/56



Right In: -2100.560+/-309.998 χ^2/NDF: 43.1/31

Left Out: -872.827+/-214.008 χ^2/NDF:62.0/23

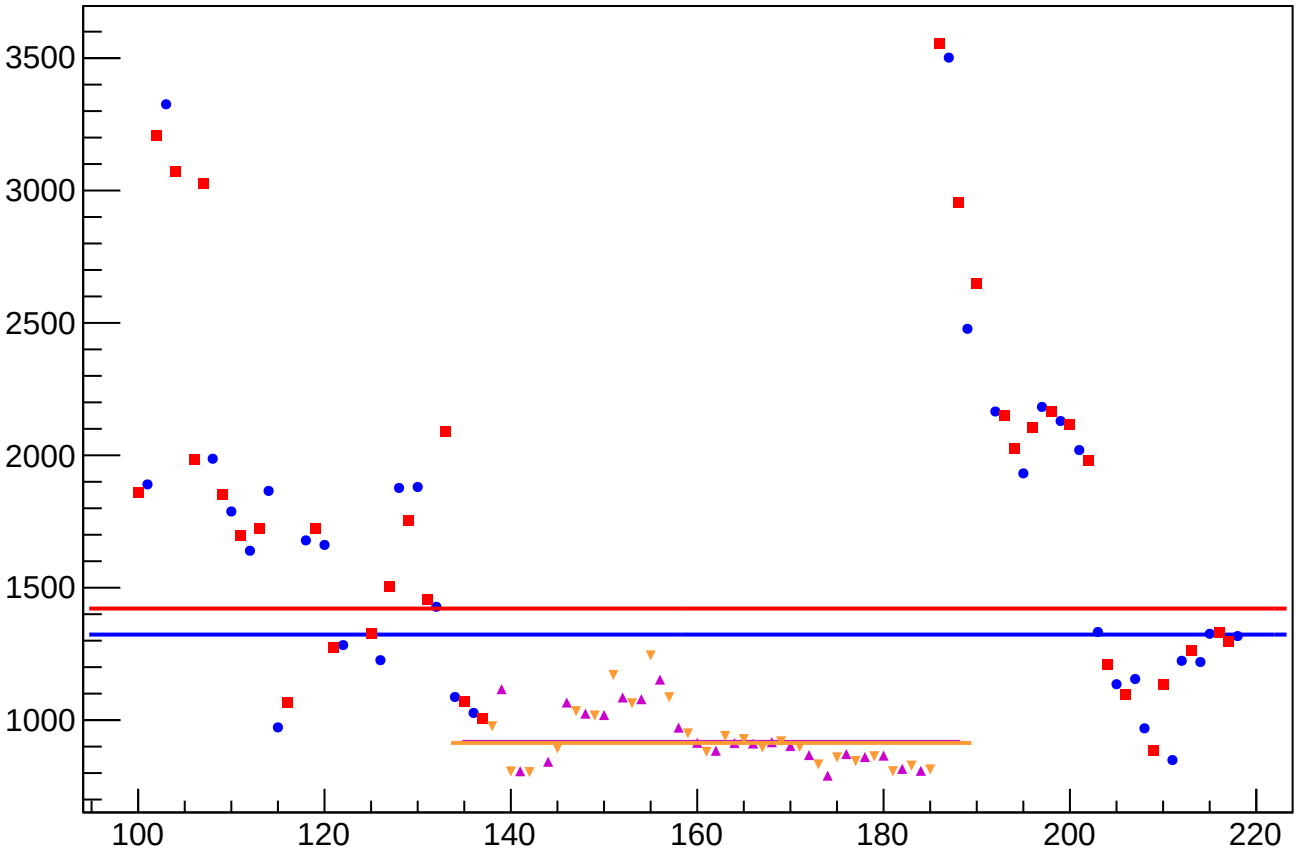
Right Out: -2515.403+/-335.743 χ^2/NDF: 83.9/33

Left In: -81.519+/-215.913 χ^2/NDF:30.0/22

\+ sign -1269.092+/-176.117 χ^2/NDF: 115.8/55

All: -1038.636+/-126.428 χ^2/NDF: 270.3/112

\- sign -793.600+/-181.602 χ^2/NDF: 151.0/56



Right In: 1323.007+/-0.219 χ^2/NDF: 3598703.6/31

Left Out: 913.899+/-0.151 χ^2/NDF:462850.2/23

Right Out: 1421.327+/-0.237 χ^2/NDF: 4398209.7/33

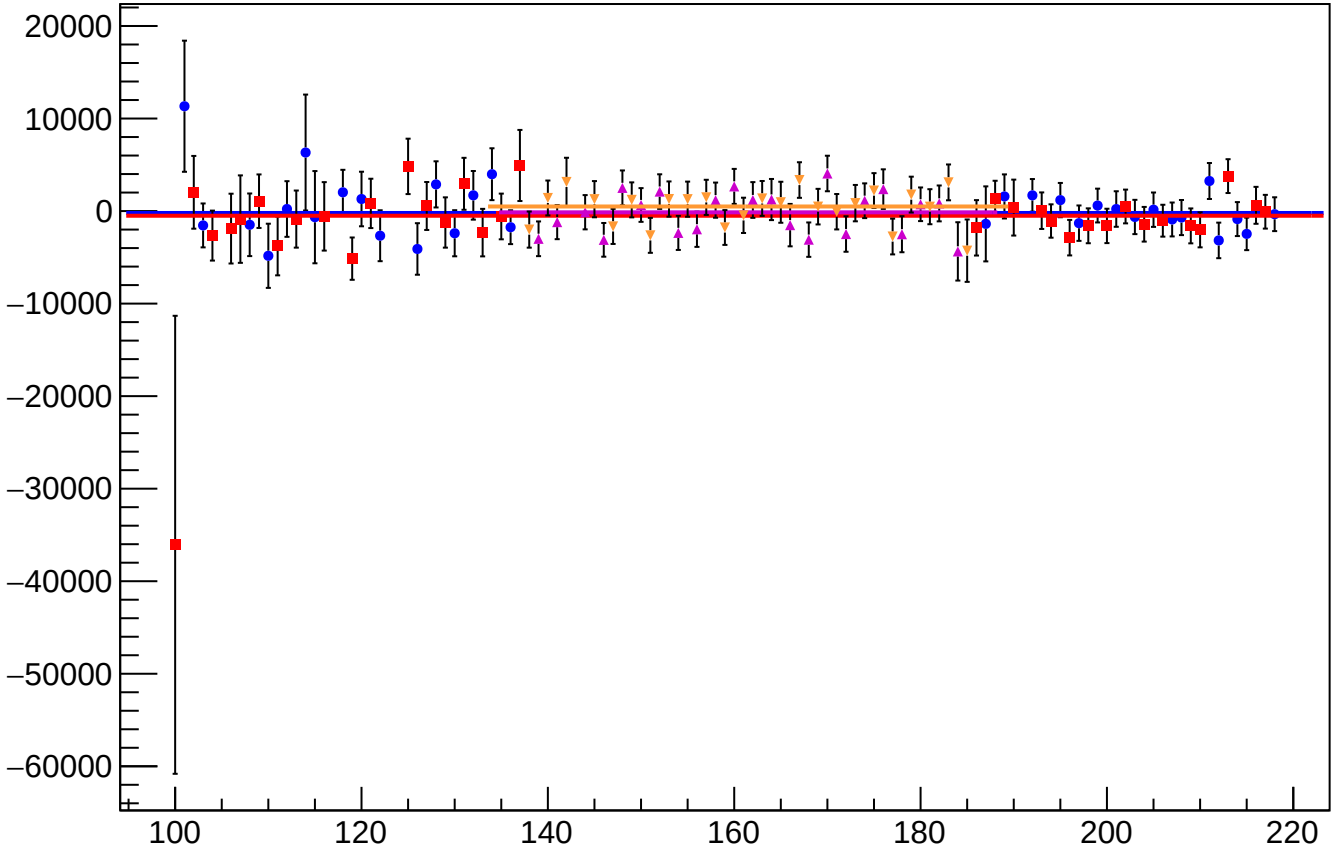
Left In: 917.674+/-0.153 χ^2/NDF:430498.5/22

+ sign 1045.943+/-0.125 χ^2/NDF: 6420558.0/55

All: 1055.193+/-0.089 χ^2/NDF: 14444571.6/1

- sign 1065.027+/-0.128 χ^2/NDF: 8012631.0/56

eigen_dit_asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: -206.680+/-398.648 χ^2/NDF: 26.3/31

Left Out: 494.897+/-402.069 χ^2/NDF:20.1/23

Right Out: -505.077+/-401.559 χ^2/NDF: 27.6/33

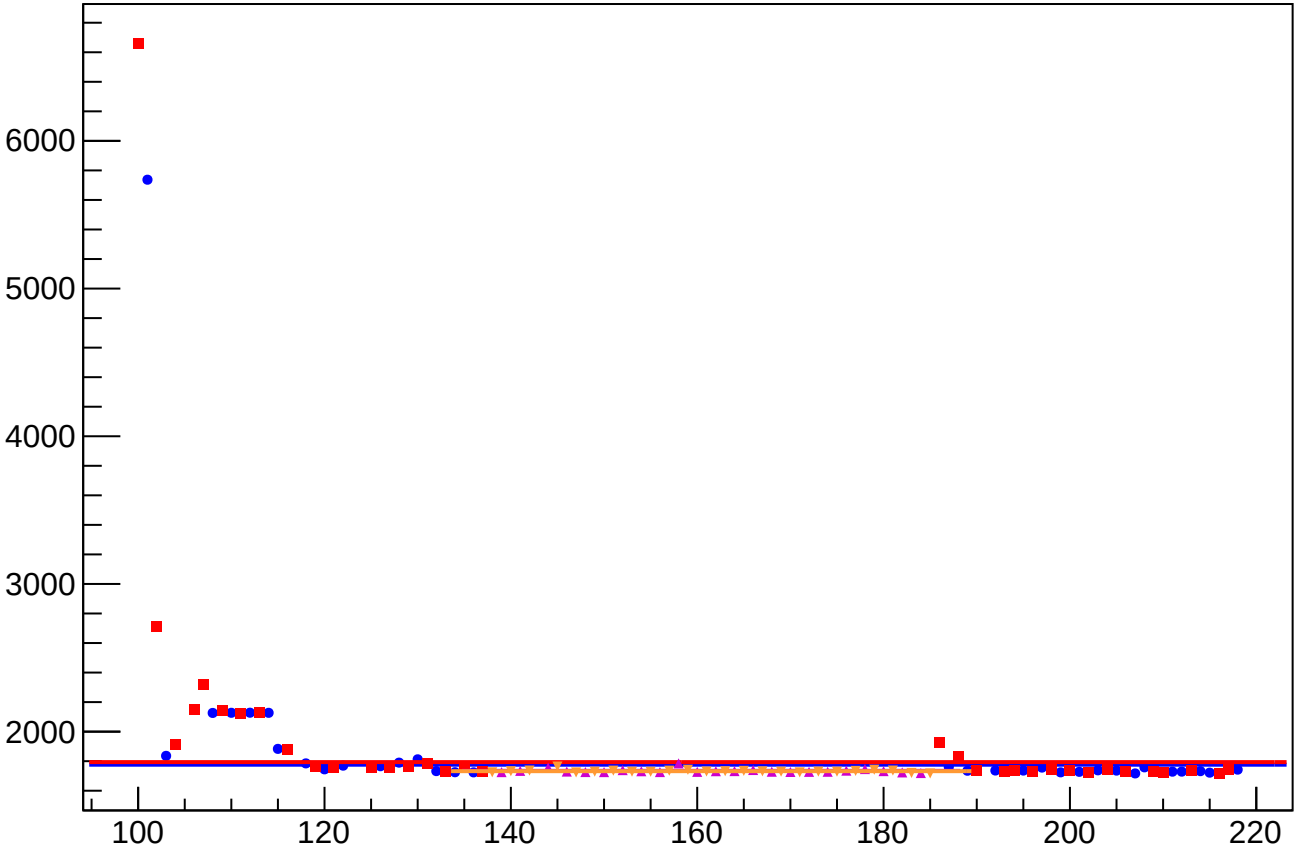
Left In: -137.163+/-404.995 χ^2/NDF:29.6/22

+ sign 141.111+/-283.089 χ^2/NDF: 47.8/55

All: -89.104+/-200.899 χ^2/NDF: 106.7/112

- sign -322.687+/-285.152 χ^2/NDF: 57.6/56

eigen_dit_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1776.172+/-0.282 χ^2/NDF: 722284.3/31

Left Out: 1732.389+/-0.284 χ^2/NDF:910.8/23

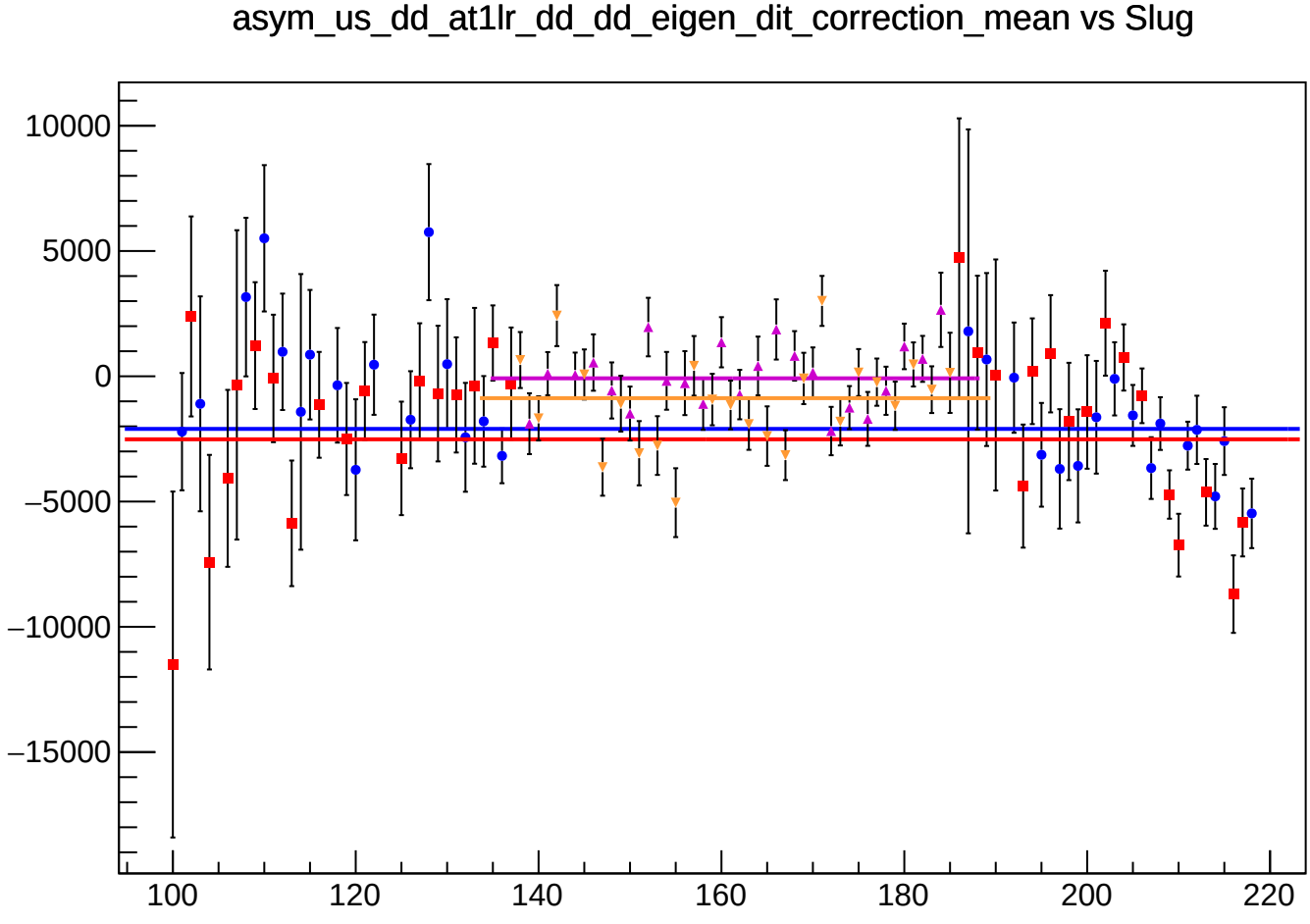
Right Out: 1793.709+/-0.284 χ^2/NDF: 345040.0/33

Left In: 1734.568+/-0.286 χ^2/NDF:2215.7/22

+ sign 1754.467+/-0.200 χ^2/NDF: 735154.3/55

All: 1759.393+/-0.142 χ^2/NDF: 1105136.1/11

- sign 1764.391+/-0.202 χ^2/NDF: 368761.9/56



Right In: -2100.555+/-309.998 χ^2/NDF: 43.1/31

Left Out: -872.826+/-214.008 χ^2/NDF:62.0/23

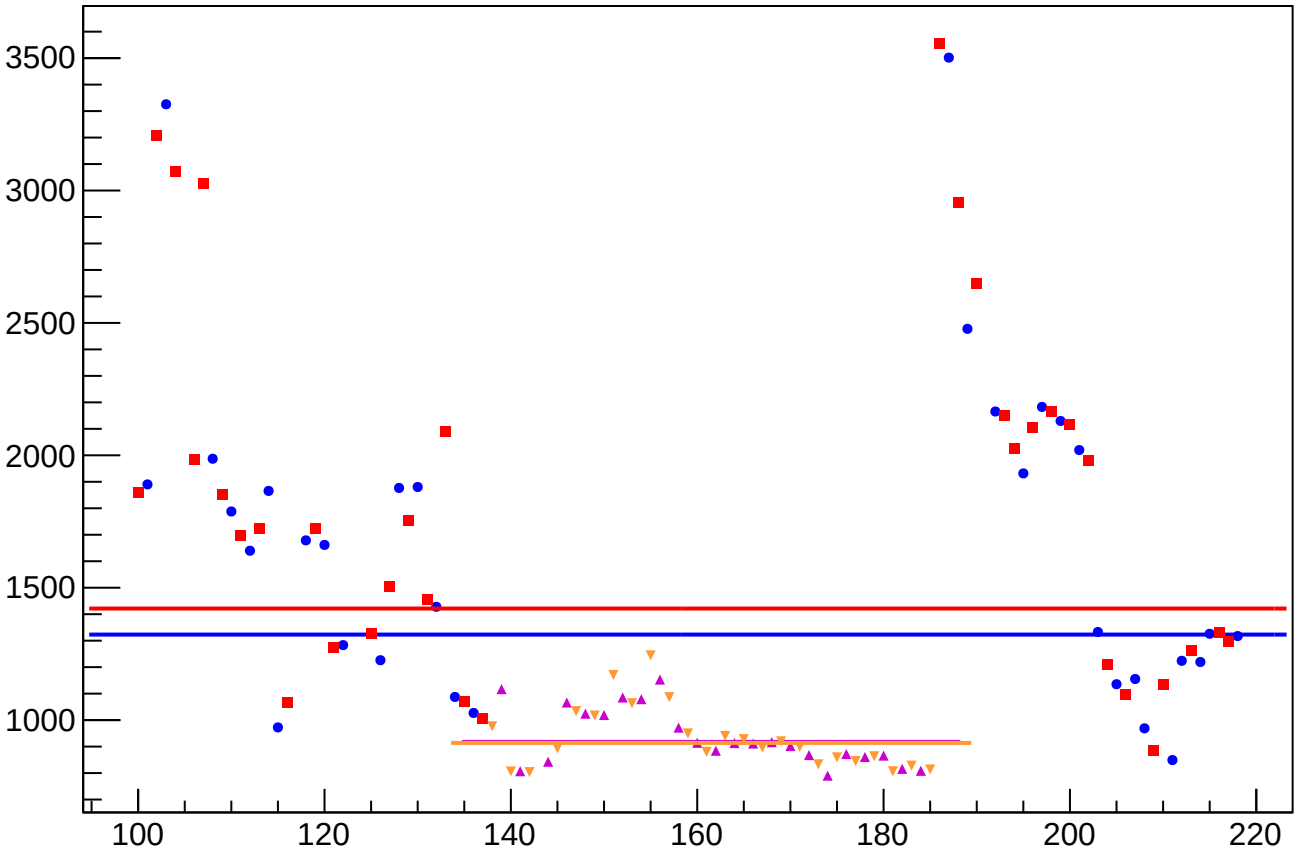
Right Out: -2515.404+/-335.742 χ^2/NDF: 83.9/33

Left In: -81.518+/-215.913 χ^2/NDF:30.0/22

\+ sign -1269.090+/-176.117 χ^2/NDF: 115.8/55

All: -1038.635+/-126.428 χ^2/NDF: 270.3/112

\- sign -793.600+/-181.602 χ^2/NDF: 151.0/56



Right In: 1323.005+/-0.219 χ^2/NDF: 3598697.9/31

Left Out: 913.898+/-0.151 χ^2/NDF:462858.6/23

Right Out: 1421.324+/-0.237 χ^2/NDF: 4398226.5/33

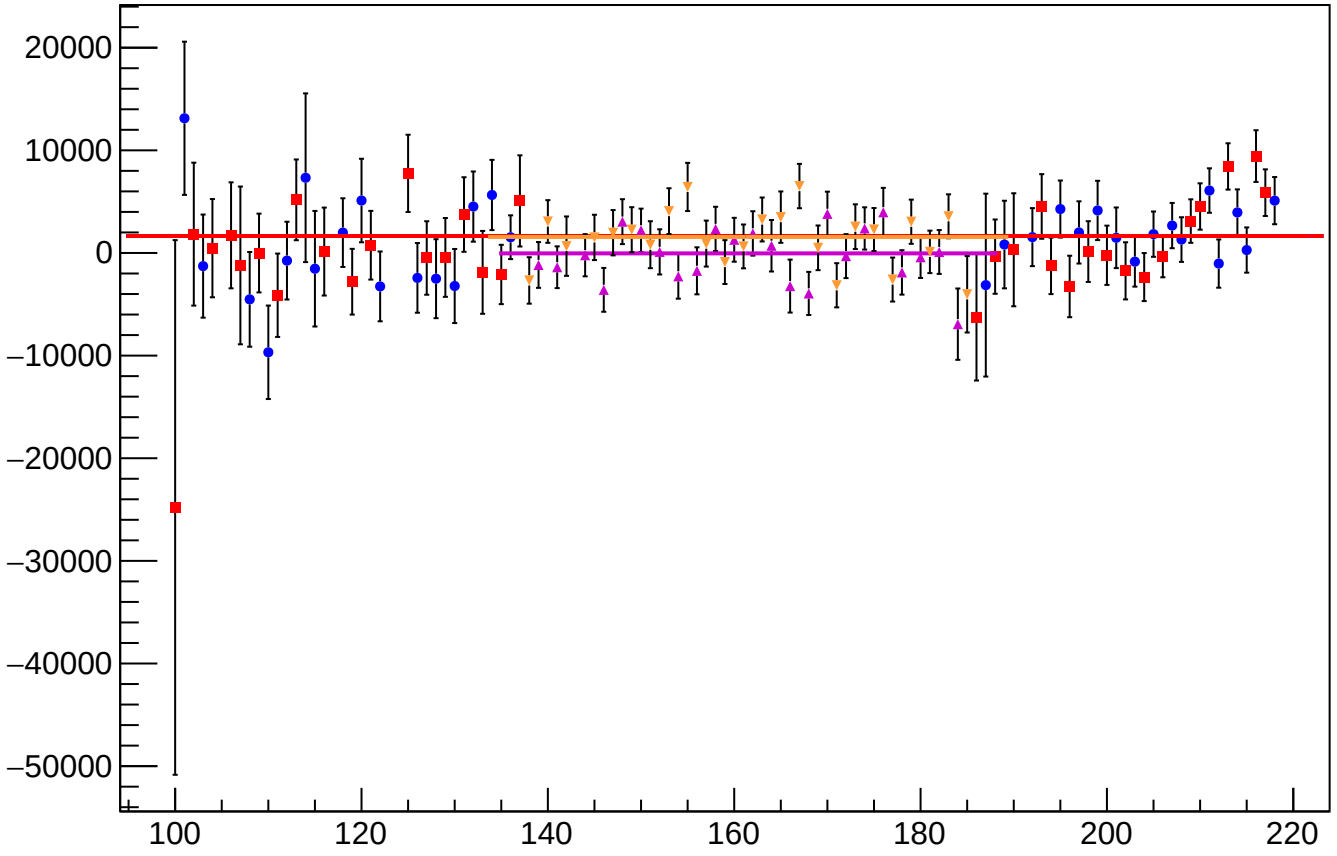
Left In: 917.674+/-0.153 χ^2/NDF:430509.1/22

+ sign 1045.942+/-0.125 χ^2/NDF: 6420555.1/55

All: 1055.192+/-0.089 χ^2/NDF: 14444575.8/1

- sign 1065.027+/-0.128 χ^2/NDF: 8012638.5/56

asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: 1653.684+/-529.169 χ^2/NDF: 33.7/31

Left Out: 1561.357+/-456.883 χ^2/NDF:31.2/23

Right Out: 1652.304+/-549.687 χ^2/NDF: 49.8/33

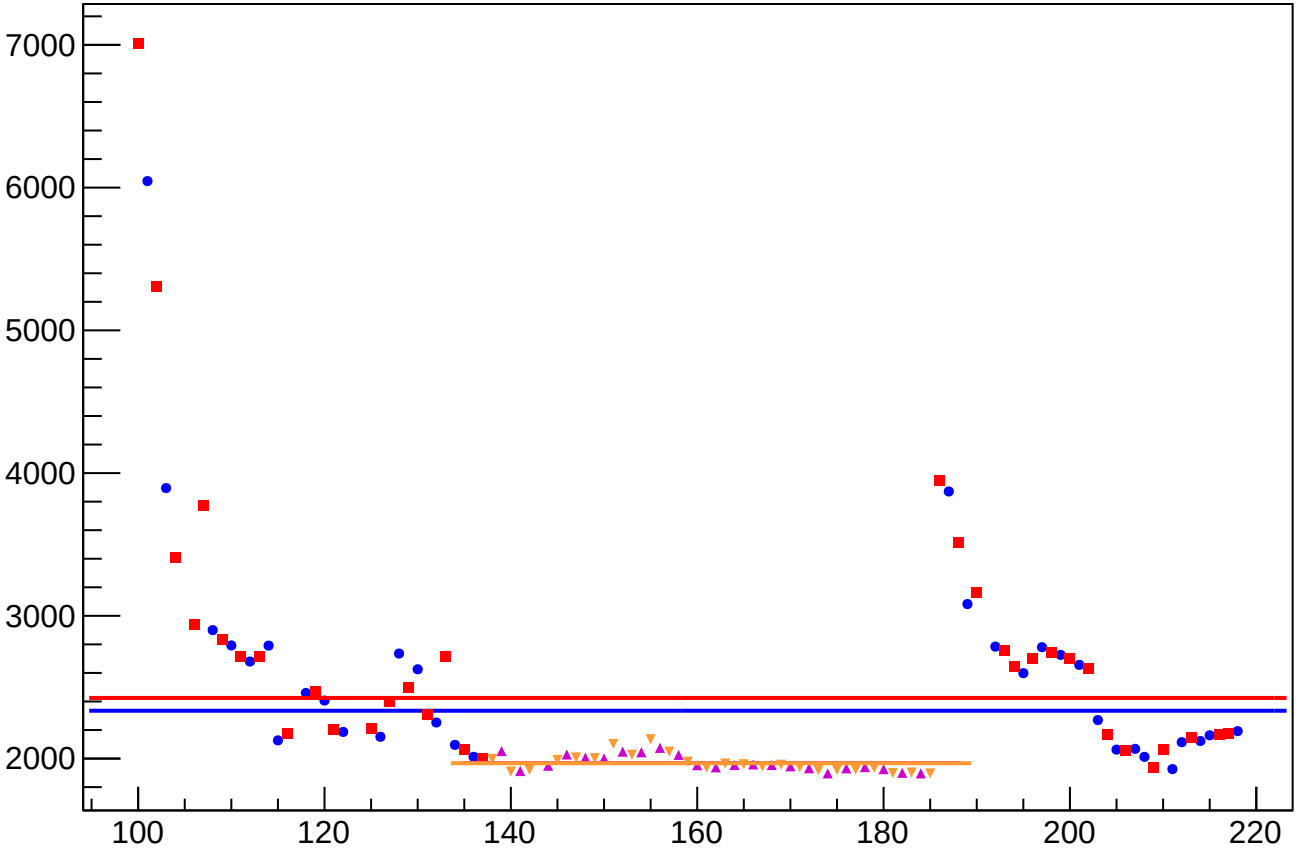
Left In: -39.885+/-459.938 χ^2/NDF:27.8/22

+ sign 1600.788+/-345.820 χ^2/NDF: 64.9/55

All: 1138.230+/-246.944 χ^2/NDF: 151.8/112

- sign 656.963+/-352.745 χ^2/NDF: 83.2/56

asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 2335.123+/-0.374 χ^2/NDF: 1391829.5/31

Left Out: 1967.416+/-0.323 χ^2/NDF:34217.6/23

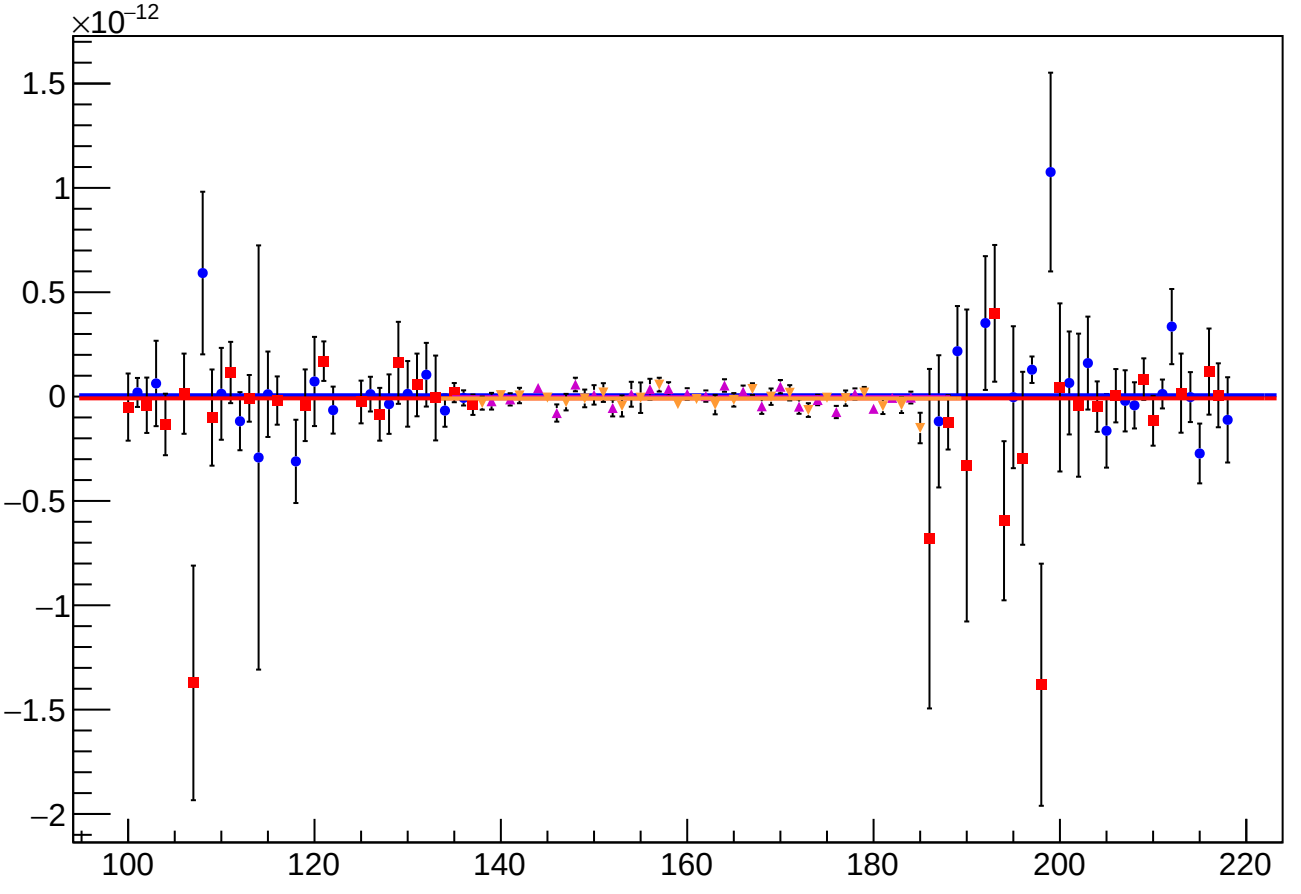
Right Out: 2424.773+/-0.389 χ^2/NDF: 1462785.4/33

Left In: 1969.022+/-0.325 χ^2/NDF:26523.0/22

+ sign 2124.457+/-0.245 χ^2/NDF: 1979318.2/55

All: 2140.260+/-0.175 χ^2/NDF: 4285828.8/11

- sign 2156.702+/-0.249 χ^2/NDF: 2297989.0/56



Right In: 0.000+/-0.000 χ^2/NDF: 28.0/31

Left Out: -0.000+/-0.000 χ^2/NDF:20.8/23

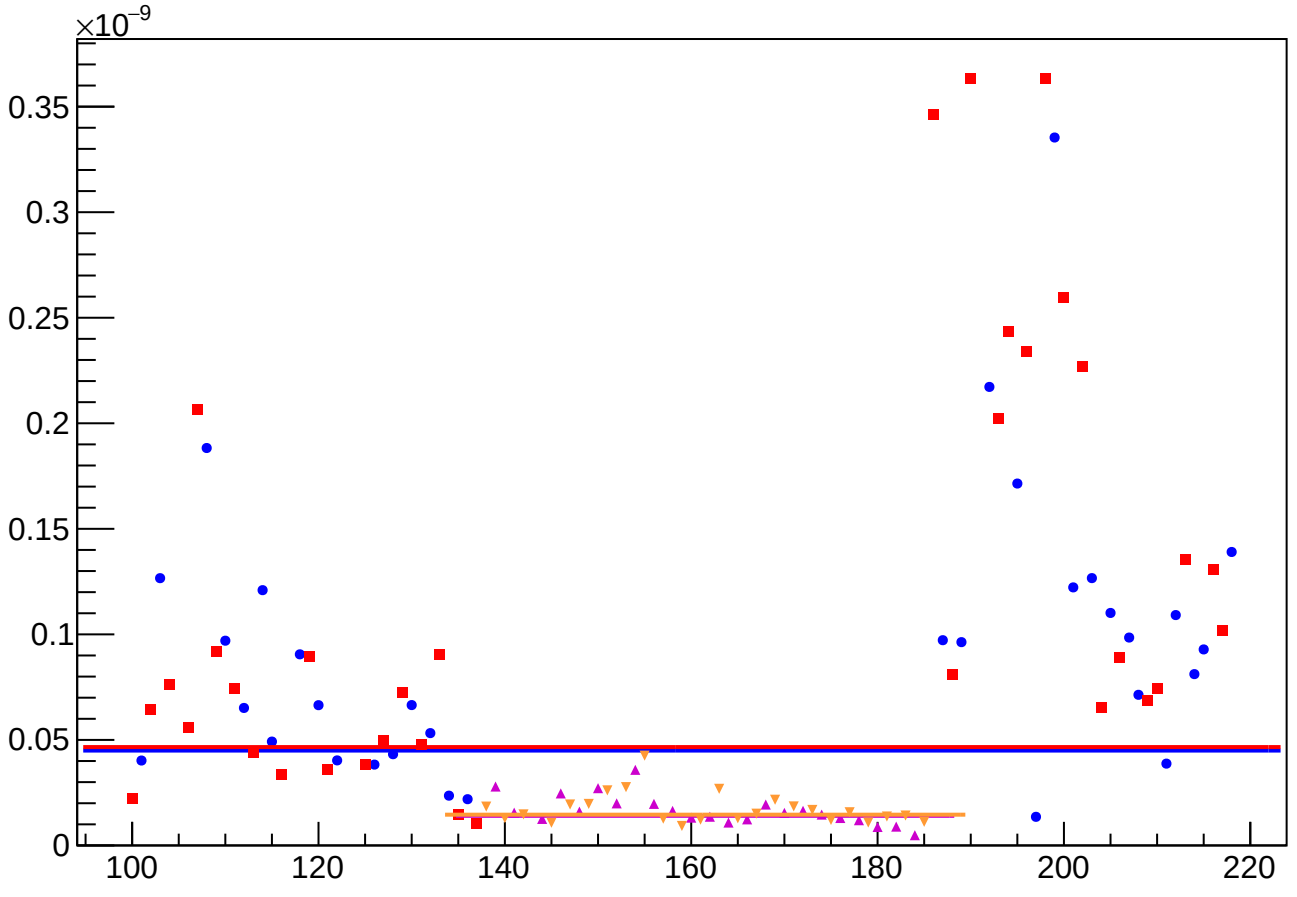
Right Out: -0.000+/-0.000 χ^2/NDF: 27.2/33

Left In: -0.000+/-0.000 χ^2/NDF:38.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 49.3/55

All: -0.000+/-0.000 χ^2/NDF: 115.7/112

- sign -0.000+/-0.000 χ^2/NDF: 66.2/56



Right In: 0.000+/-0.000 χ^2/NDF: 6379781.1/31

Left Out: 0.000+/-0.000 χ^2/NDF:1178225.5/23

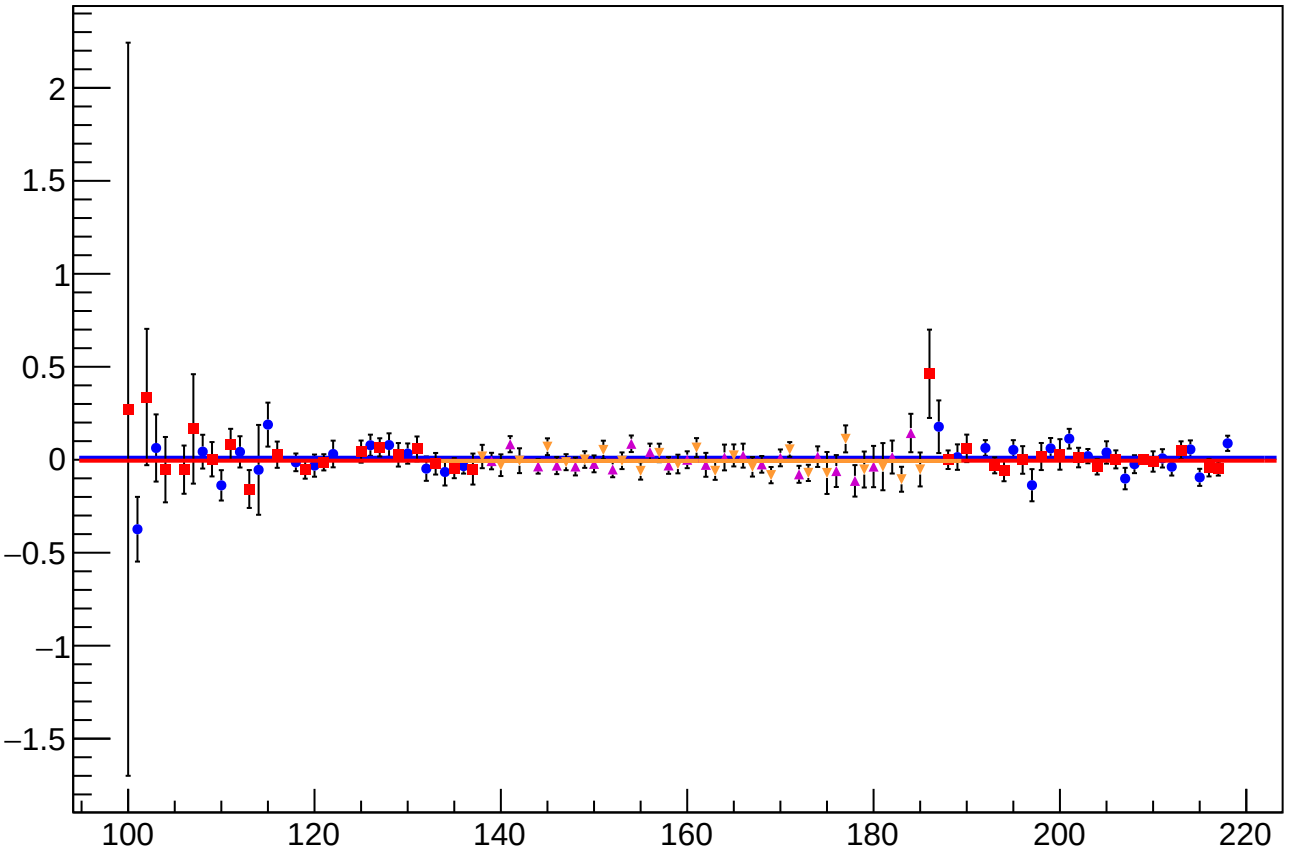
Right Out: 0.000+/-0.000 χ^2/NDF: 8229267.1/33

Left In: 0.000+/-0.000 χ^2/NDF:1430937.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 11801115.6/55

All: 0.000+/-0.000 χ^2/NDF: 25740713.9/112

- sign 0.000+/-0.000 χ^2/NDF: 13919853.3/56



Right In: 0.011+/-0.010 χ^2/NDF: 44.0/31

Left Out: -0.007+/-0.011 χ^2/NDF:23.9/23

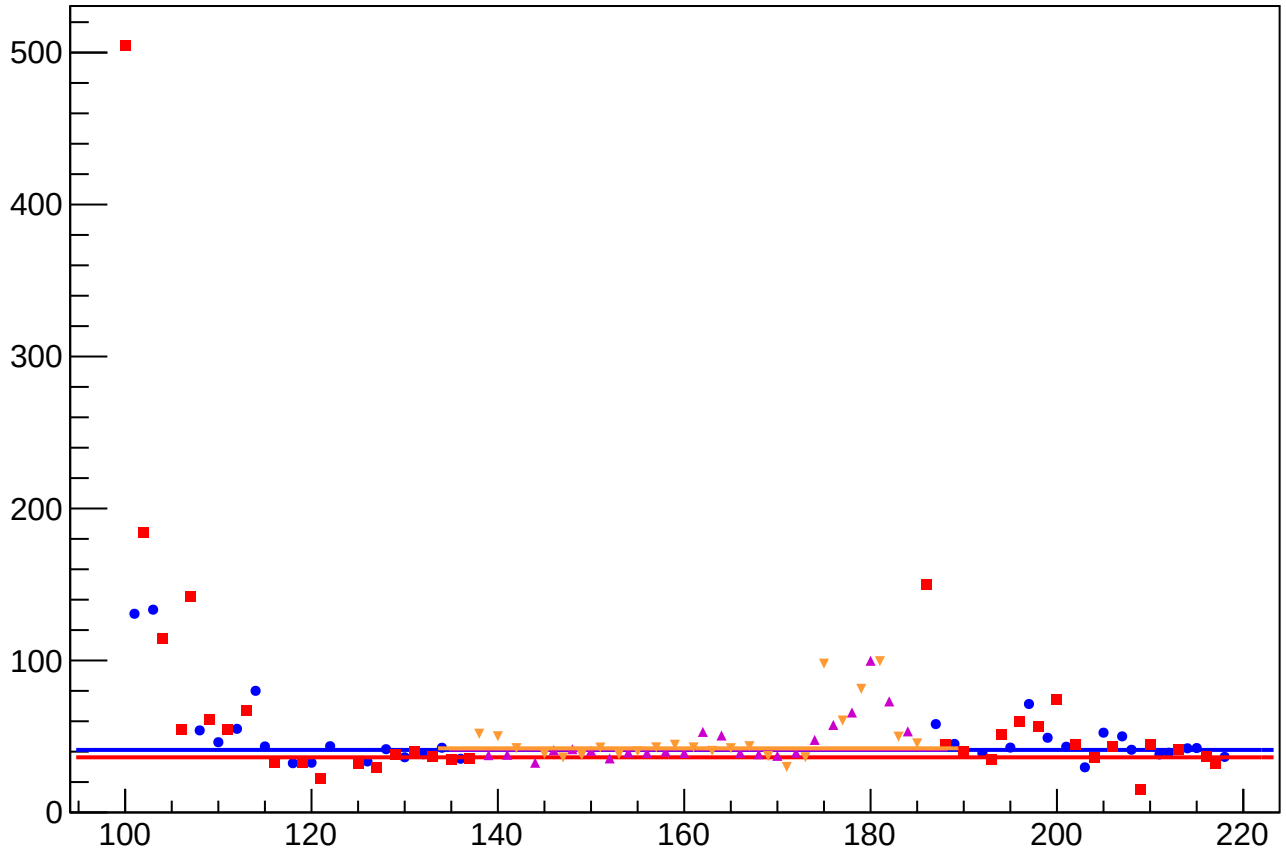
Right Out: -0.005+/-0.010 χ^2/NDF: 21.3/33

Left In: -0.006+/-0.011 χ^2/NDF:20.1/22

+ sign 0.003+/-0.007 χ^2/NDF: 69.3/55

All: -0.002+/-0.005 χ^2/NDF: 111.4/112

- sign -0.006+/-0.007 χ^2/NDF: 41.4/56



Right In: 41.151+/-0.007 χ^2/NDF: 2080040.3/31

Left Out: 42.208+/-0.008 χ^2/NDF:1819371.1/23

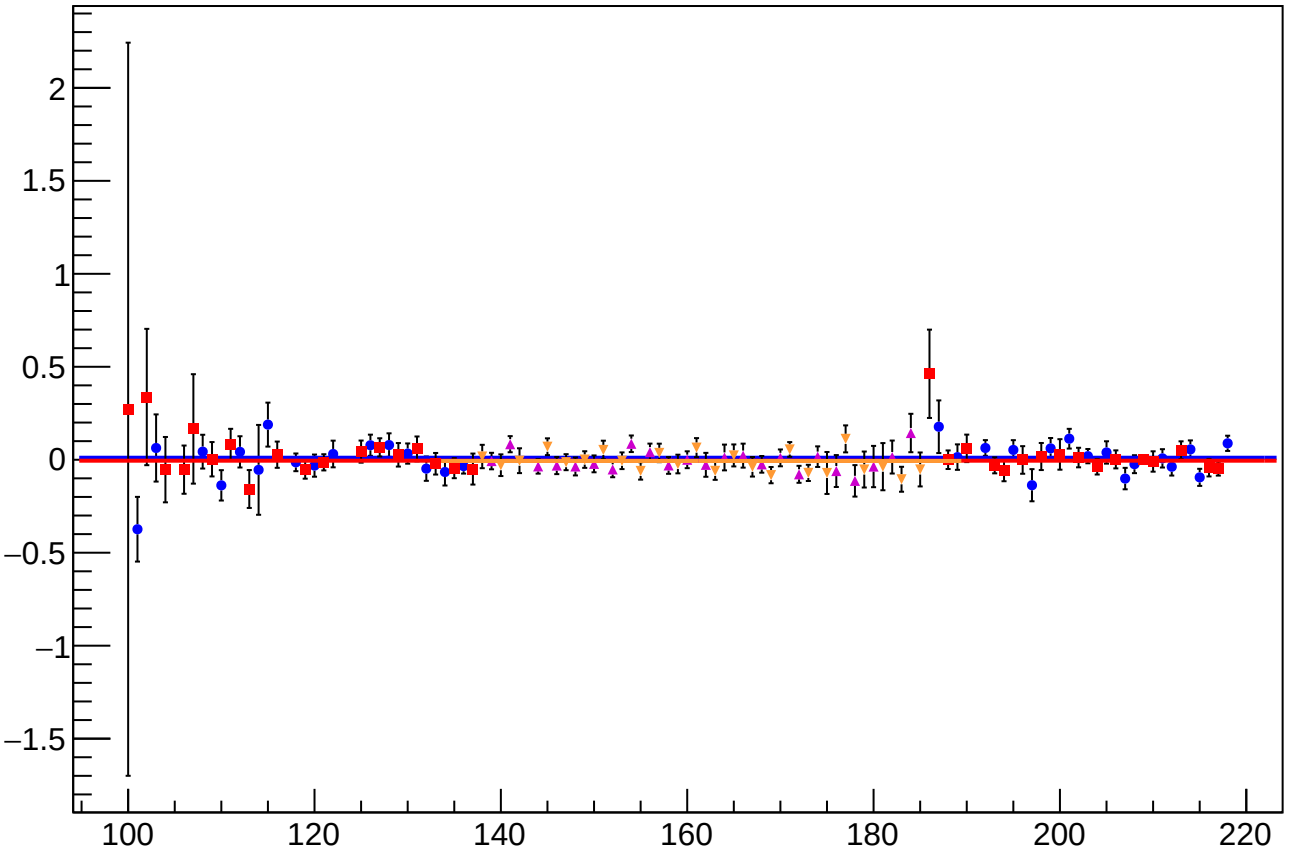
Right Out: 36.282+/-0.007 χ^2/NDF: 4923434.1/33

Left In: 41.421+/-0.008 χ^2/NDF:1412177.5/22

+ sign 41.648+/-0.005 χ^2/NDF: 3909351.9/55

All: 40.076+/-0.004 χ^2/NDF: 10665731.3/112

- sign 38.609+/-0.005 χ^2/NDF: 6585921.7/56



Right In: 0.011+/-0.010 χ^2/NDF: 44.0/31

Left Out: -0.007+/-0.011 χ^2/NDF:23.9/23

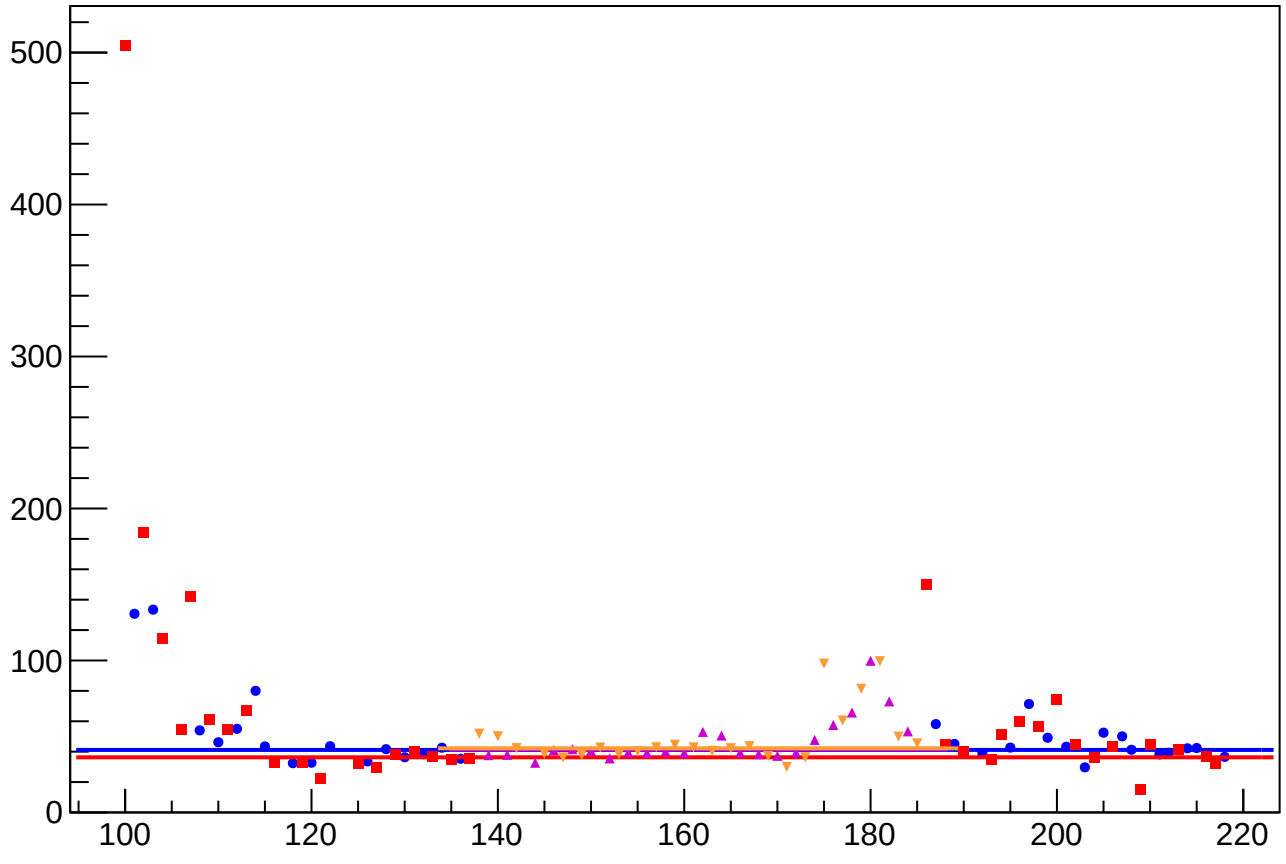
Right Out: -0.005+/-0.010 χ^2/NDF: 21.3/33

Left In: -0.006+/-0.011 χ^2/NDF:20.1/22

+ sign 0.003+/-0.007 χ^2/NDF: 69.3/55

All: -0.002+/-0.005 χ^2/NDF: 111.4/112

- sign -0.006+/-0.007 χ^2/NDF: 41.4/56



Right In: 41.151+/-0.007 χ^2/NDF: 2080040.3/31

Left Out: 42.208+/-0.008 χ^2/NDF:1819371.1/23

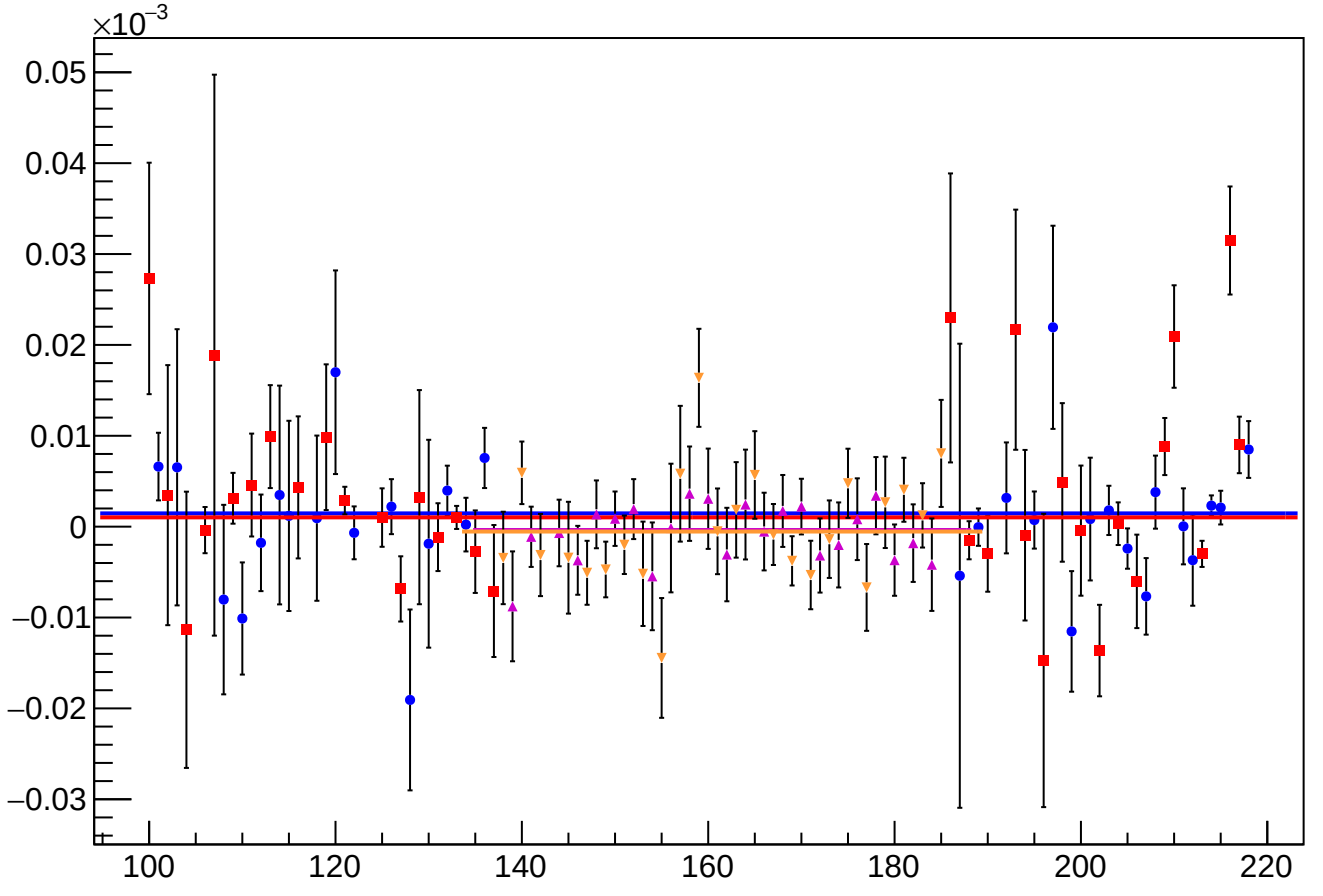
Right Out: 36.282+/-0.007 χ^2/NDF: 4923434.1/33

Left In: 41.421+/-0.008 χ^2/NDF:1412177.5/22

+ sign 41.648+/-0.005 χ^2/NDF: 3909351.9/55

All: 40.076+/-0.004 χ^2/NDF: 10665731.3/112

- sign 38.609+/-0.005 χ^2/NDF: 6585921.7/56



Right In: 0.000+/-0.000 χ^2/NDF: 41.0/31

Left Out: -0.000+/-0.000 χ^2/NDF:36.8/23

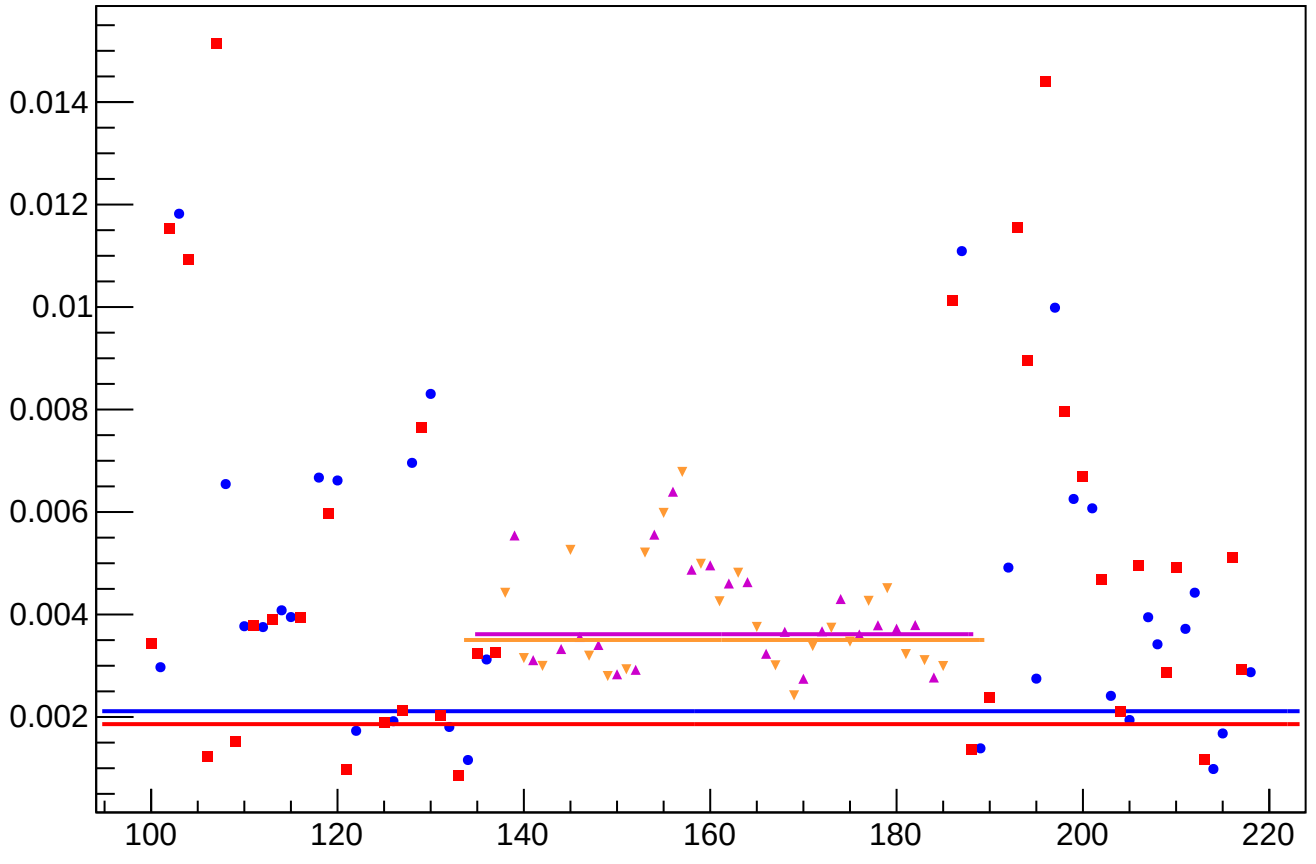
Right Out: 0.000+/-0.000 χ^2/NDF: 96.7/33

Left In: -0.000+/-0.000 χ^2/NDF:9.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 81.6/55

All: 0.000+/-0.000 χ^2/NDF: 189.9/112

- sign 0.000+/-0.000 χ^2/NDF: 108.1/56



Right In: 0.002+/-0.000 χ^2/NDF: 11125210.4/31

Left Out: 0.004+/-0.000 χ^2/NDF:2190693.7/23

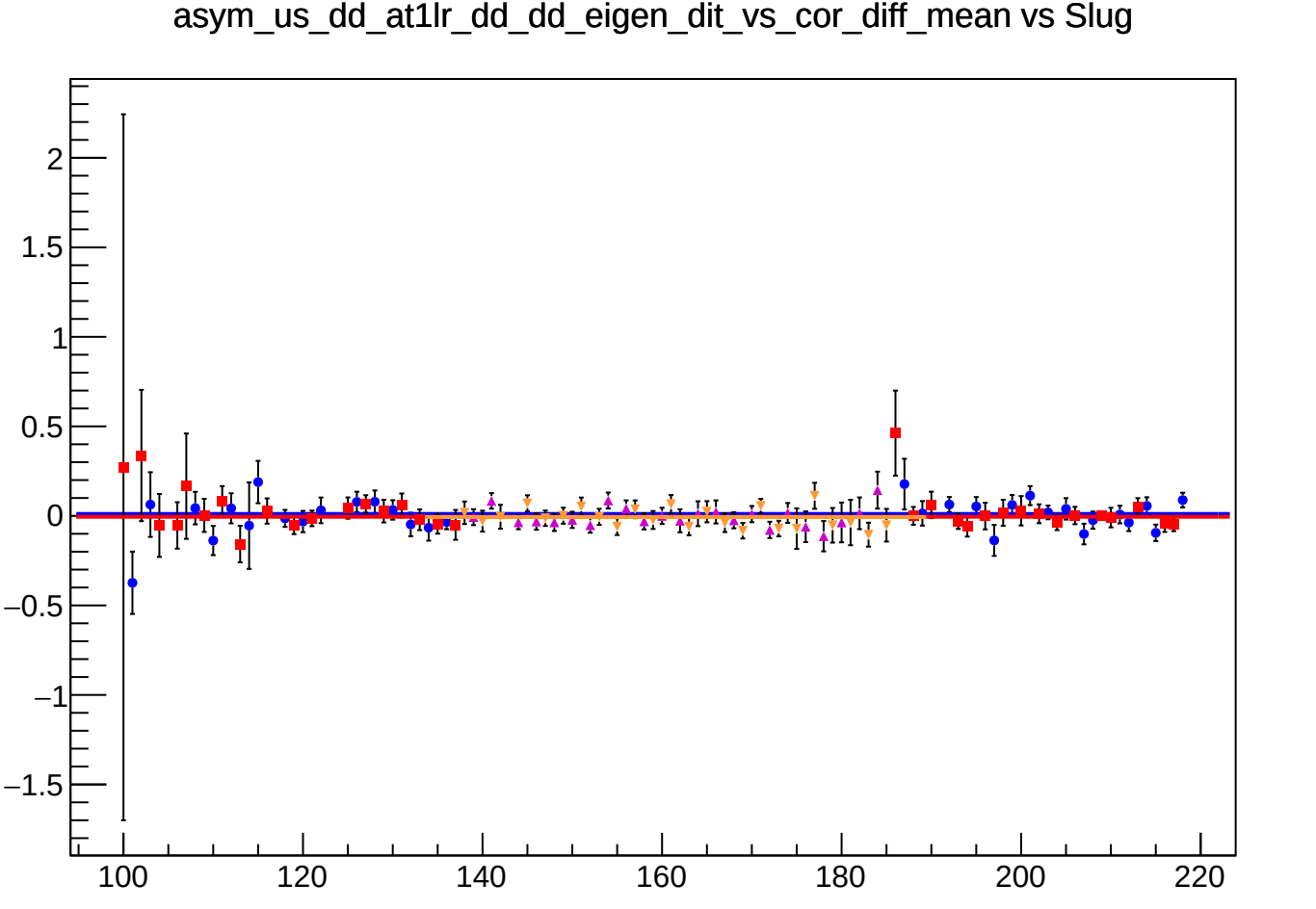
Right Out: 0.002+/-0.000 χ^2/NDF: 15510899.3/33

Left In: 0.004+/-0.000 χ^2/NDF:1668896.2/22

+ sign 0.003+/-0.000 χ^2/NDF: 16980444.2/55

All: 0.002+/-0.000 χ^2/NDF: 40006446.4/112

- sign 0.002+/-0.000 χ^2/NDF: 22879243.7/56



Right In: 0.011+/-0.010 χ^2/NDF: 44.0/31

Left Out: -0.007+/-0.011 χ^2/NDF:23.9/23

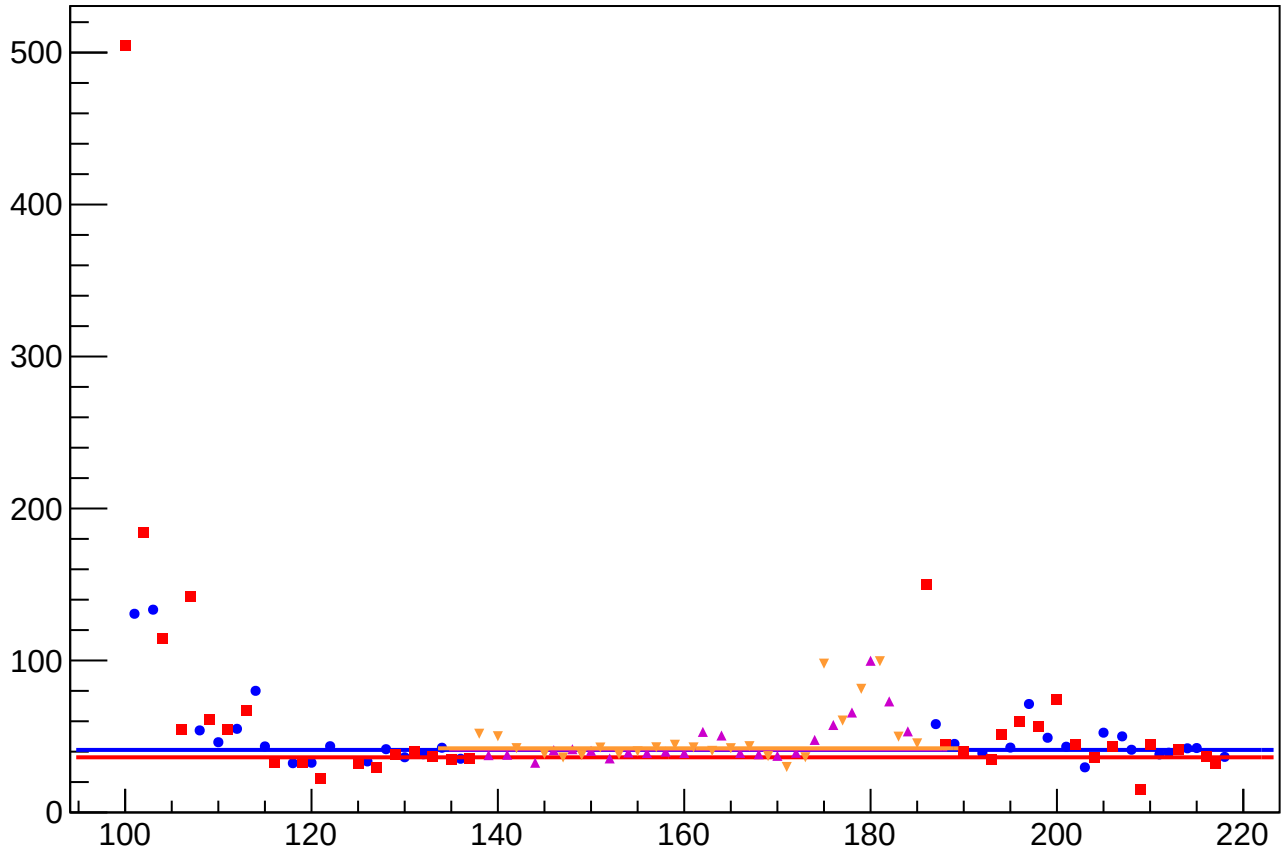
Right Out: -0.005+/-0.010 χ^2/NDF: 21.3/33

Left In: -0.006+/-0.011 χ^2/NDF:20.1/22

+ sign 0.003+/-0.007 χ^2/NDF: 69.3/55

All: -0.002+/-0.005 χ^2/NDF: 111.4/112

- sign -0.006+/-0.007 χ^2/NDF: 41.4/56



Right In: 41.151+/-0.007 χ^2/NDF: 2079952.3/31

Left Out: 42.208+/-0.008 χ^2/NDF:1819378.3/23

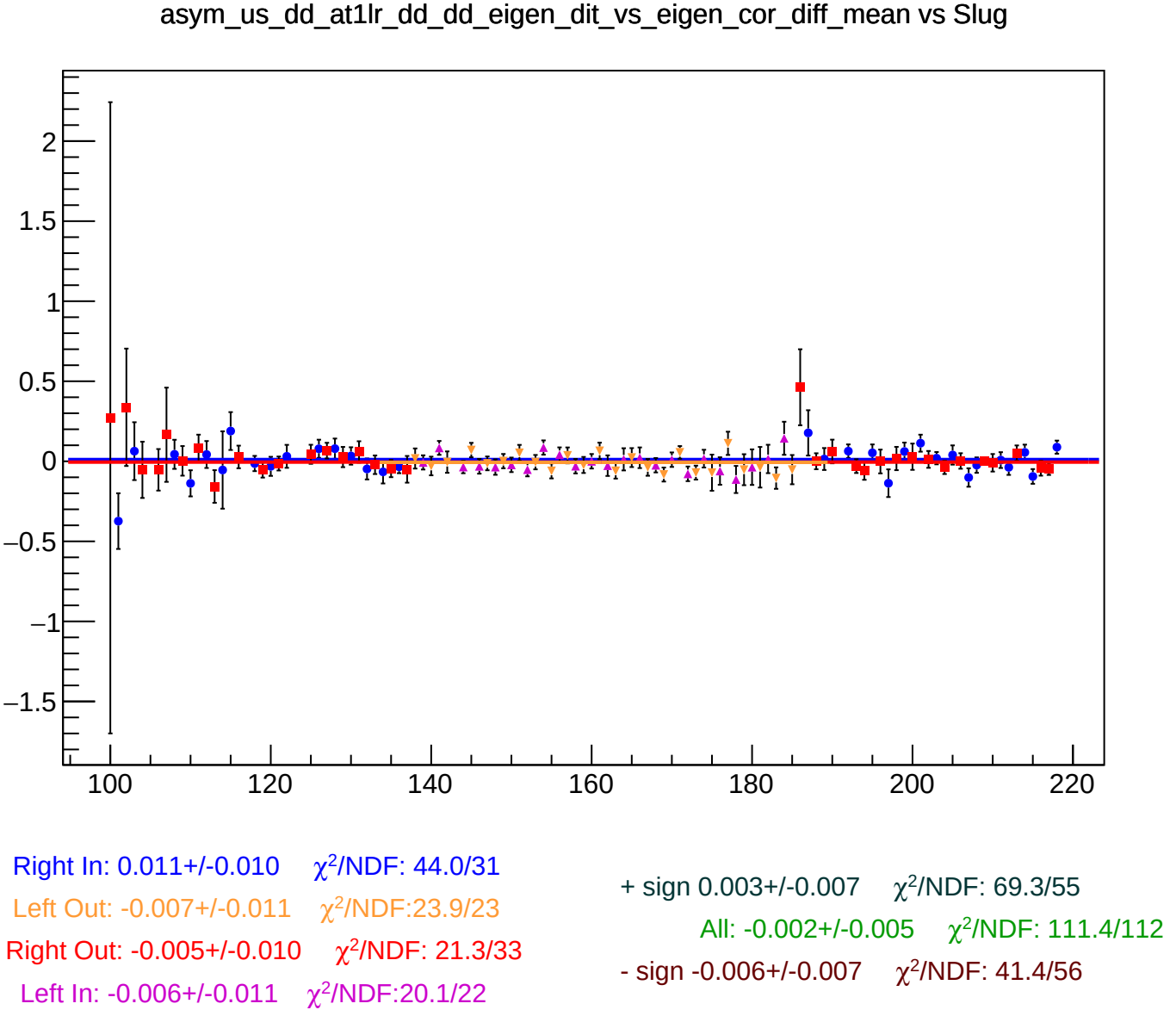
Right Out: 36.286+/-0.007 χ^2/NDF: 4920955.8/33

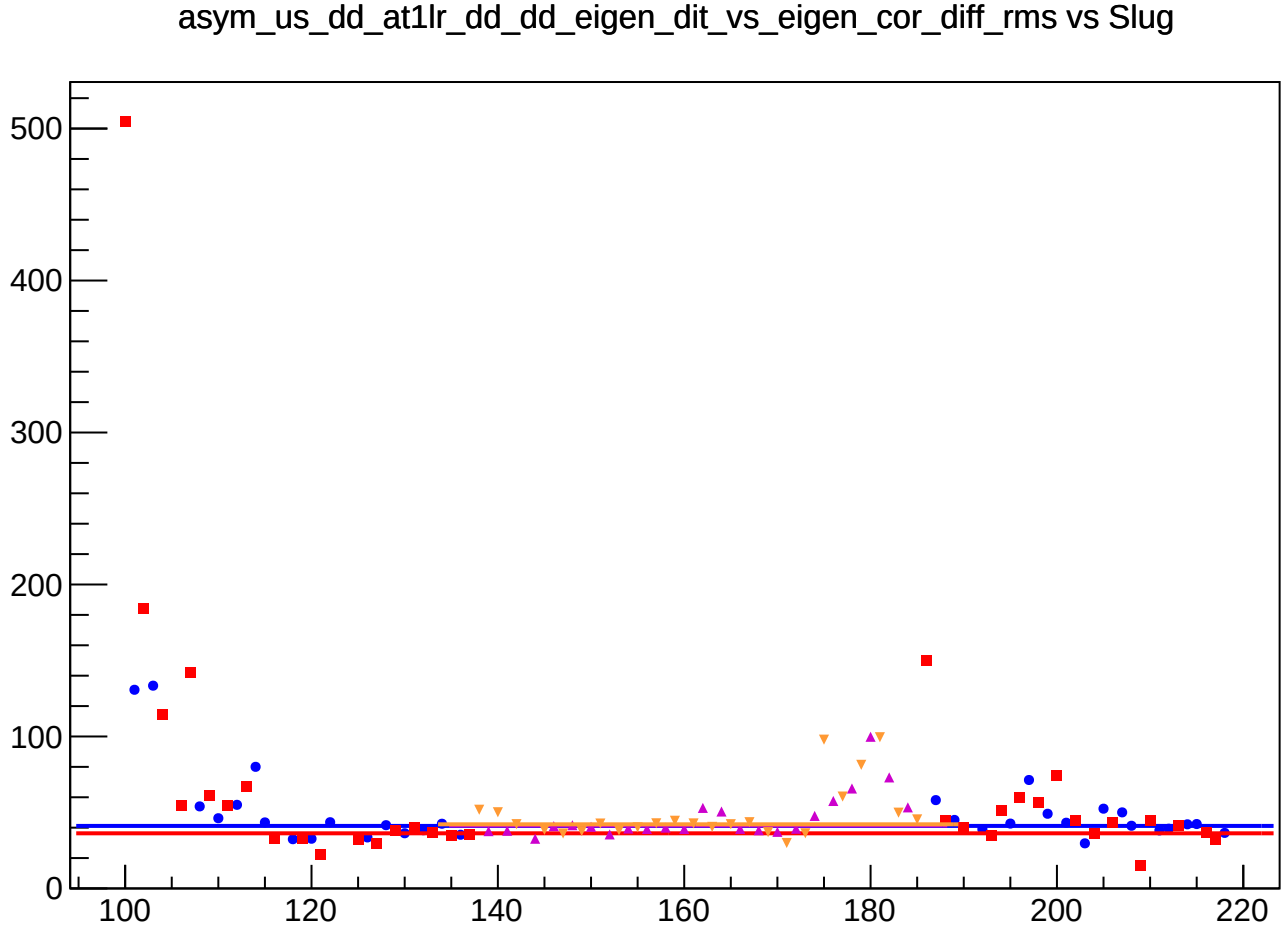
Left In: 41.421+/-0.008 χ^2/NDF:1412111.4/22

+ sign 41.647+/-0.005 χ^2/NDF: 3909261.0/55

All: 40.077+/-0.004 χ^2/NDF: 10662496.5/112

- sign 38.611+/-0.005 χ^2/NDF: 6583008.4/56


asym_us_dd_at1lr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug
2
1.5
1
0.5
0
−0.5
−1
−1.5
100
120
140
160
180
200
220
Right In: 0.011+/-0.010 χ²/NDF: 44.0/31
Left Out: -0.007+/-0.011 χ²/NDF:23.9/23
Right Out: -0.005+/-0.010 χ²/NDF: 21.3/33
Left In: -0.006+/-0.011 χ²/NDF:20.1/22
+ sign 0.003+/-0.007 χ²/NDF: 69.3/55
All: -0.002+/-0.005 χ²/NDF: 111.4/112
- sign -0.006+/-0.007 χ²/NDF: 41.4/56



Right In: 41.151+/-0.007 χ^2/NDF: 2079952.3/31

Left Out: 42.208+/-0.008 χ^2/NDF:1819378.3/23

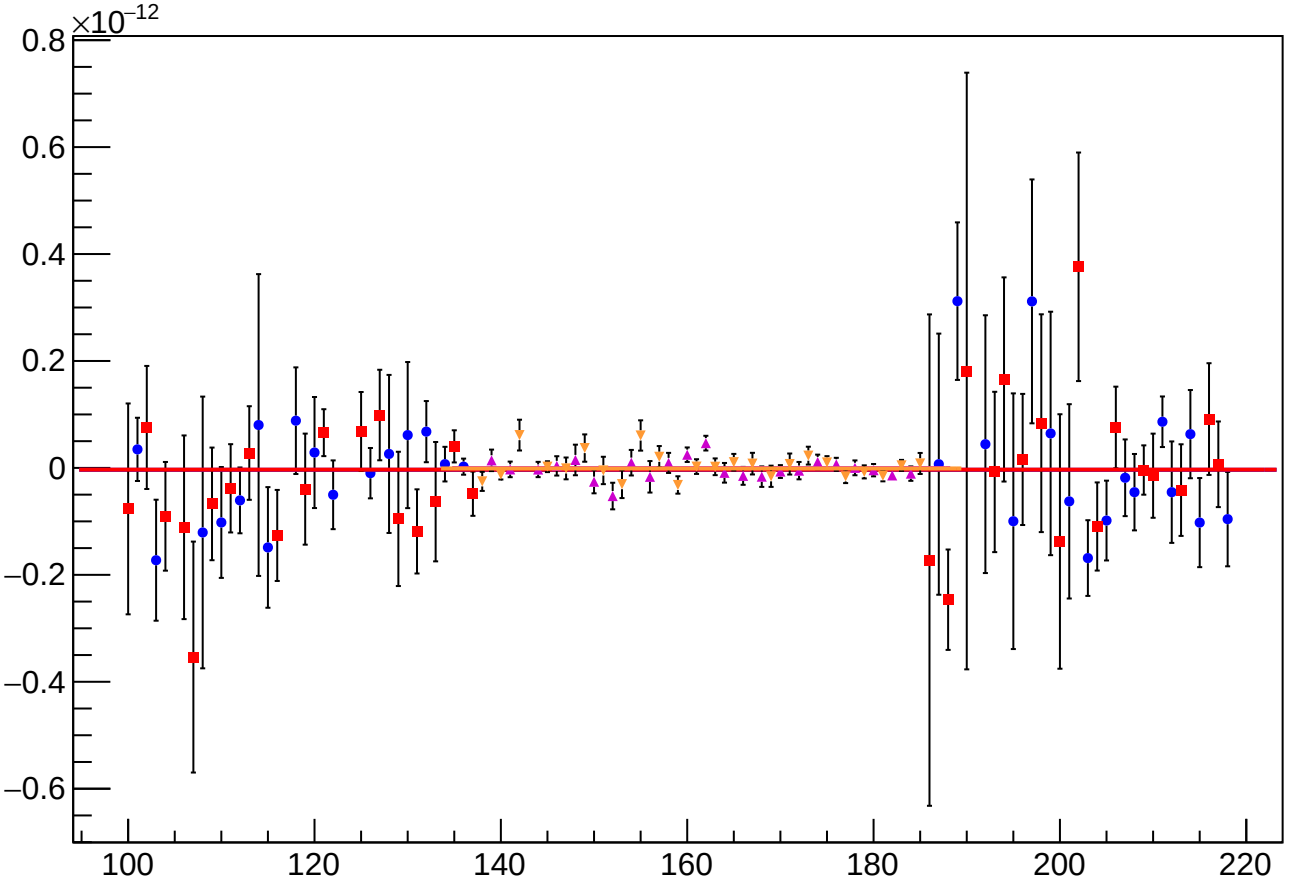
Right Out: 36.286+/-0.007 χ^2/NDF: 4920955.8/33

Left In: 41.421+/-0.008 χ^2/NDF:1412111.4/22

+ sign 41.647+/-0.005 χ^2/NDF: 3909261.0/55

All: 40.077+/-0.004 χ^2/NDF: 10662496.5/112

- sign 38.611+/-0.005 χ^2/NDF: 6583008.4/56



Right In: -0.000+/-0.000 χ^2/NDF: 31.2/31

Left Out: -0.000+/-0.000 χ^2/NDF:29.5/23

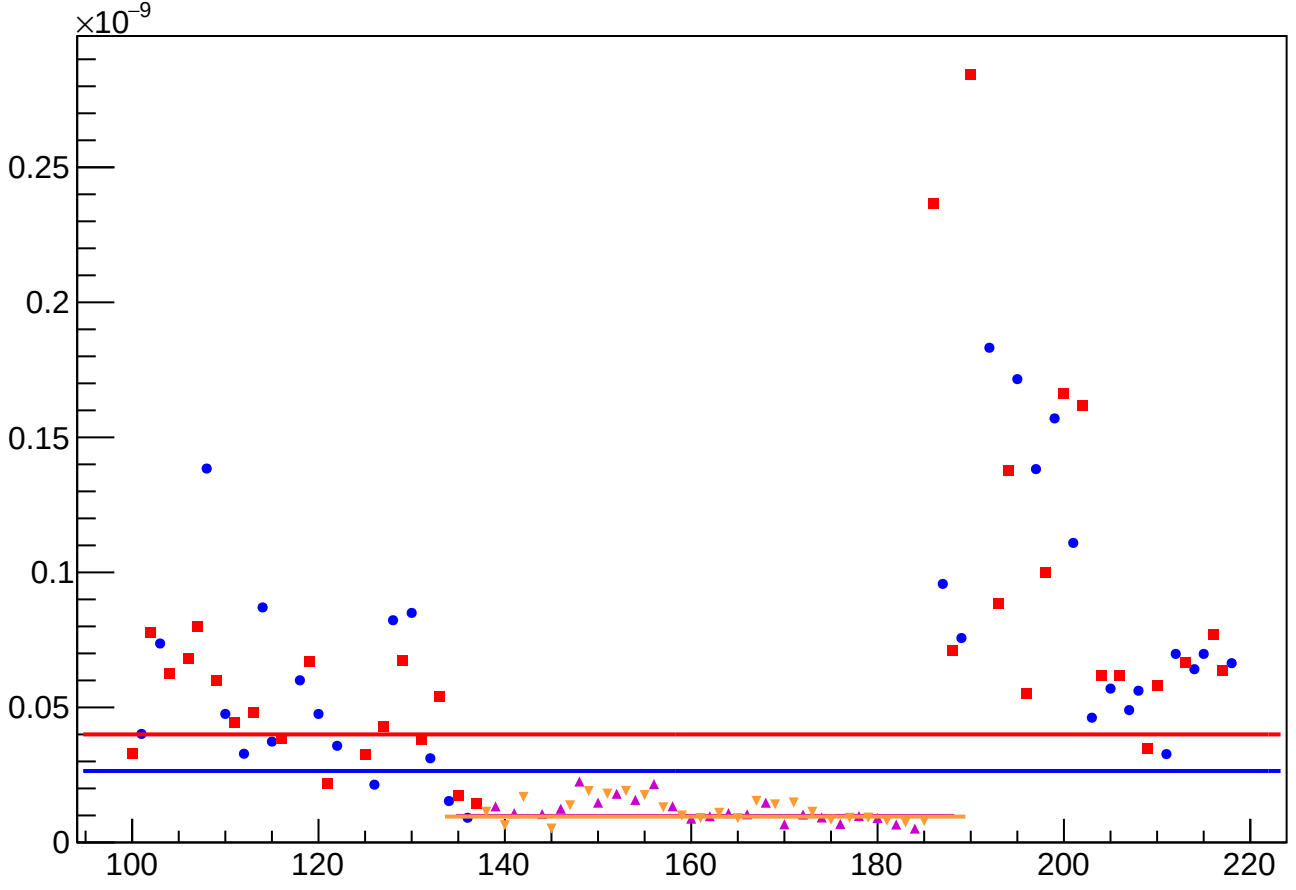
Right Out: -0.000+/-0.000 χ^2/NDF: 33.6/33

Left In: -0.000+/-0.000 χ^2/NDF:28.3/22

+ sign -0.000+/-0.000 χ^2/NDF: 60.8/55

All: -0.000+/-0.000 χ^2/NDF: 122.8/112

- sign -0.000+/-0.000 χ^2/NDF: 62.0/56



Right In: 0.000+/-0.000 χ^2/NDF: 11375990.2/31

Left Out: 0.000+/-0.000 χ^2/NDF:2445128.6/23

Right Out: 0.000+/-0.000 χ^2/NDF: 7243330.8/33

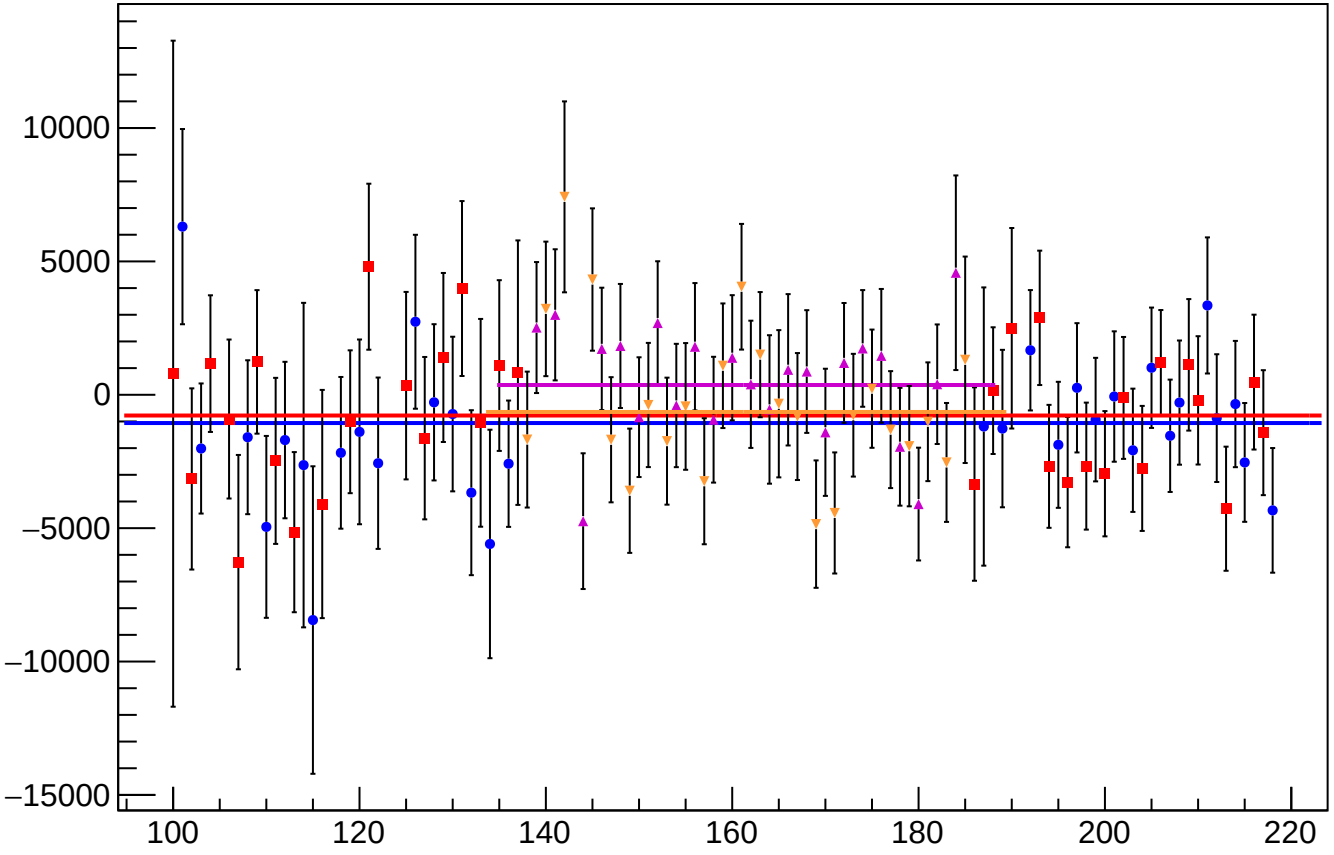
Left In: 0.000+/-0.000 χ^2/NDF:2250638.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 18745223.7/55

All: 0.000+/-0.000 χ^2/NDF: 37507238.4/112

- sign 0.000+/-0.000 χ^2/NDF: 18742761.6/56

reg_asym_us_dd_at2lr_dd_avg_mean vs Slug



Right In: -1058.957+/-480.562 χ^2/NDF: 20.1/31

Left Out: -643.811+/-493.681 χ^2/NDF:27.1/23

Right Out: -777.117+/-479.889 χ^2/NDF: 24.8/33

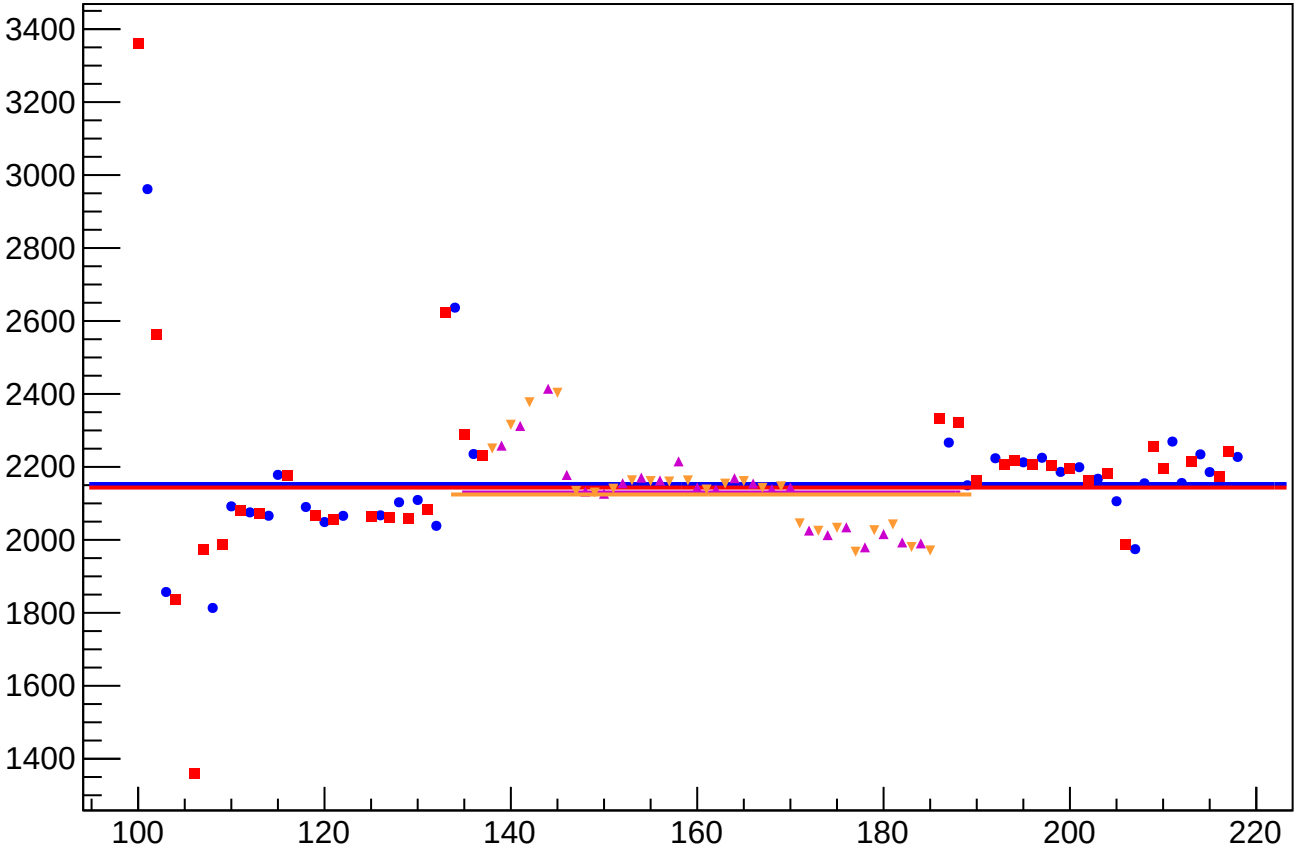
Left In: 366.759+/-497.896 χ^2/NDF:17.3/22

+ sign -856.974+/-344.353 χ^2/NDF: 47.6/55

All: -542.675+/-243.907 χ^2/NDF: 94.1/112

- sign -226.237+/-345.524 χ^2/NDF: 44.8/56

reg_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2153.111+/-0.340 χ^2/NDF: 225991.0/31

Left Out: 2124.437+/-0.349 χ^2/NDF:89184.0/23

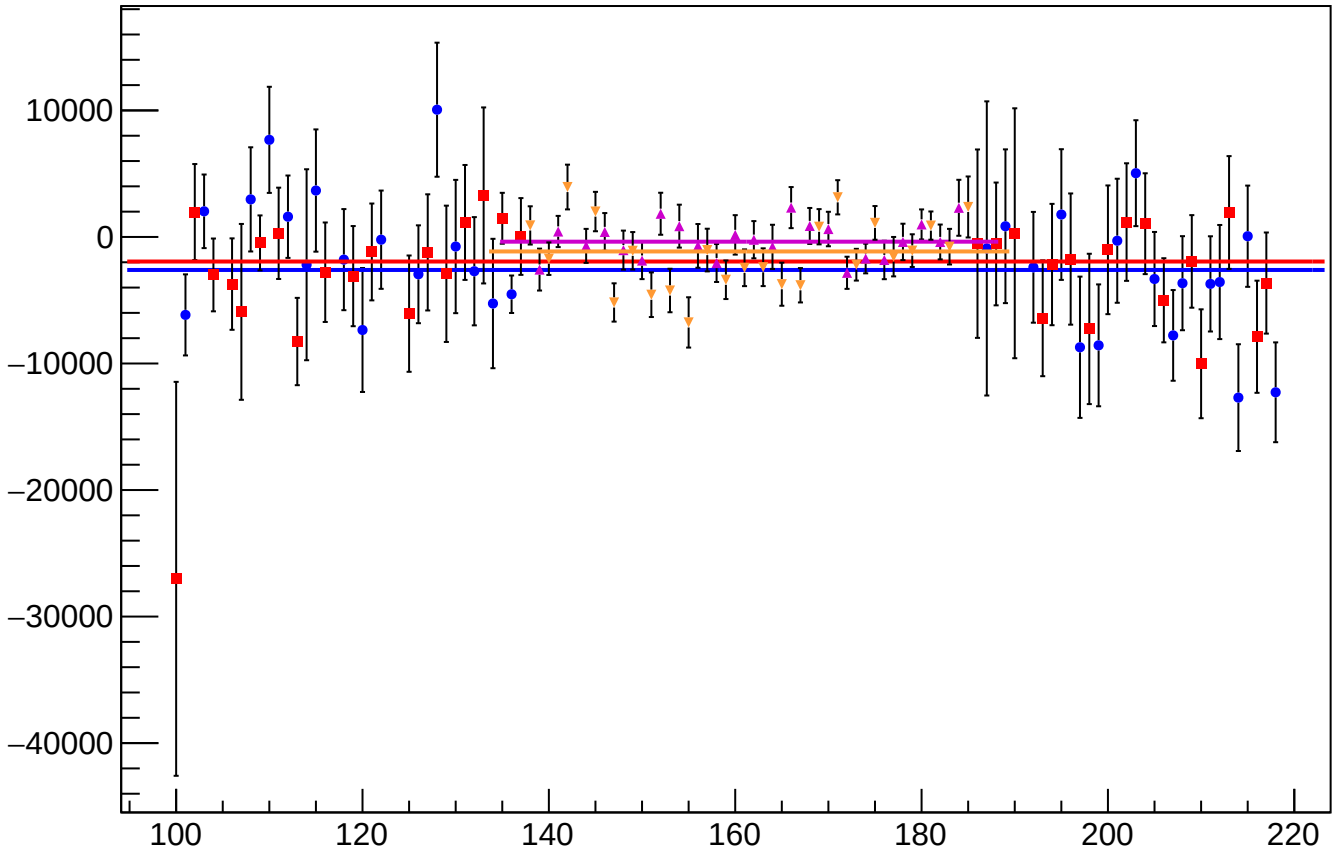
Right Out: 2143.447+/-0.339 χ^2/NDF: 319337.8/33

Left In: 2129.897+/-0.352 χ^2/NDF:85354.5/22

+ sign 2139.160+/-0.243 χ^2/NDF: 318639.4/55

All: 2138.044+/-0.172 χ^2/NDF: 724141.7/112

- sign 2136.921+/-0.244 χ^2/NDF: 405460.2/56



Right In: -2608.419+/-679.163 χ^2/NDF: 46.0/31

Left Out: -1144.817+/-302.488 χ^2/NDF:67.5/23

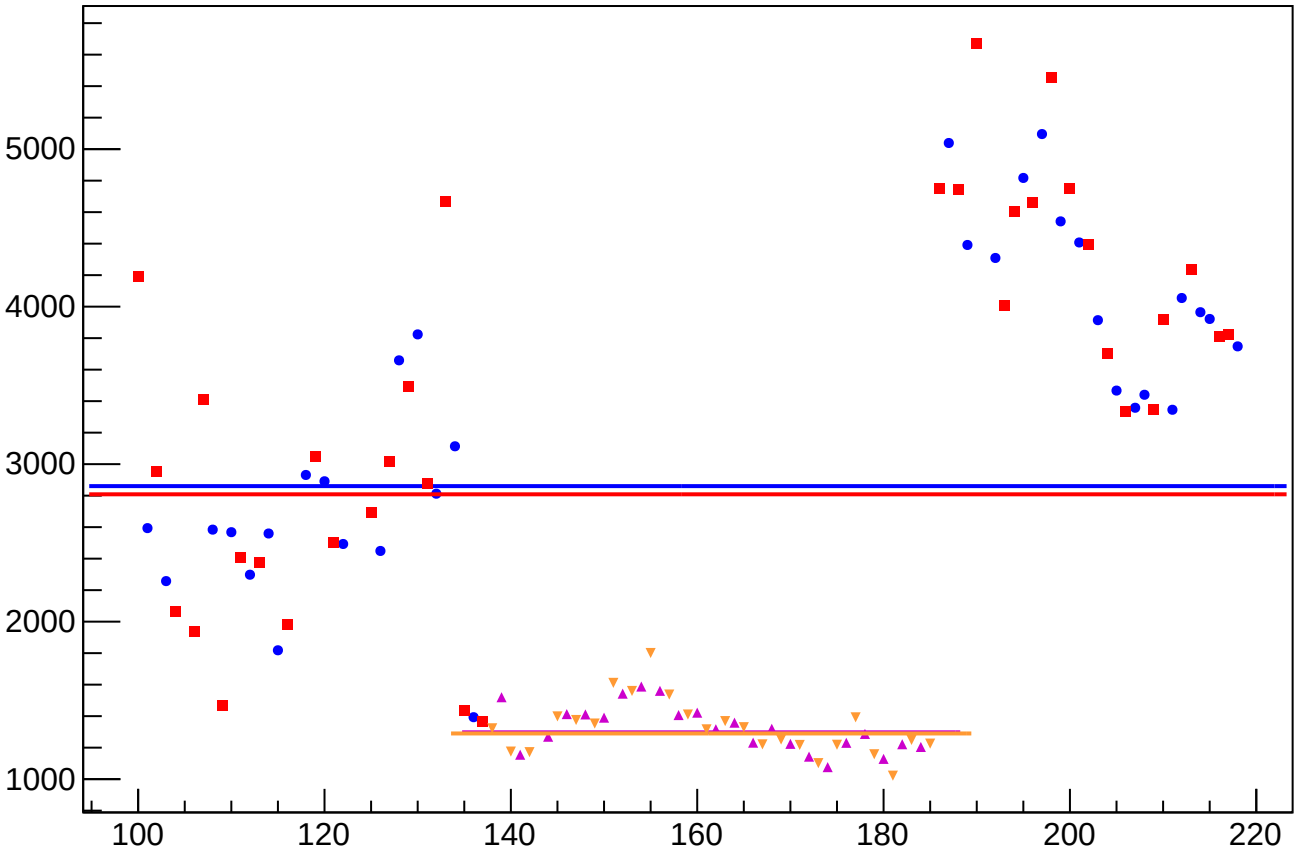
Right Out: -1940.867+/-678.139 χ^2/NDF: 24.0/33

Left In: -373.302+/-305.378 χ^2/NDF:20.3/22

+ sign -1387.088+/-276.321 χ^2/NDF: 117.4/55

All: -1015.212+/-196.136 χ^2/NDF: 169.8/112

- sign -637.589+/-278.448 χ^2/NDF: 48.8/56



Right In: 2860.510+/-0.480 χ^2/NDF: 4683586.0/31

Left Out: 1290.029+/-0.214 χ^2/NDF:567950.9/23

Right Out: 2808.493+/-0.480 χ^2/NDF: 5750026.5/33

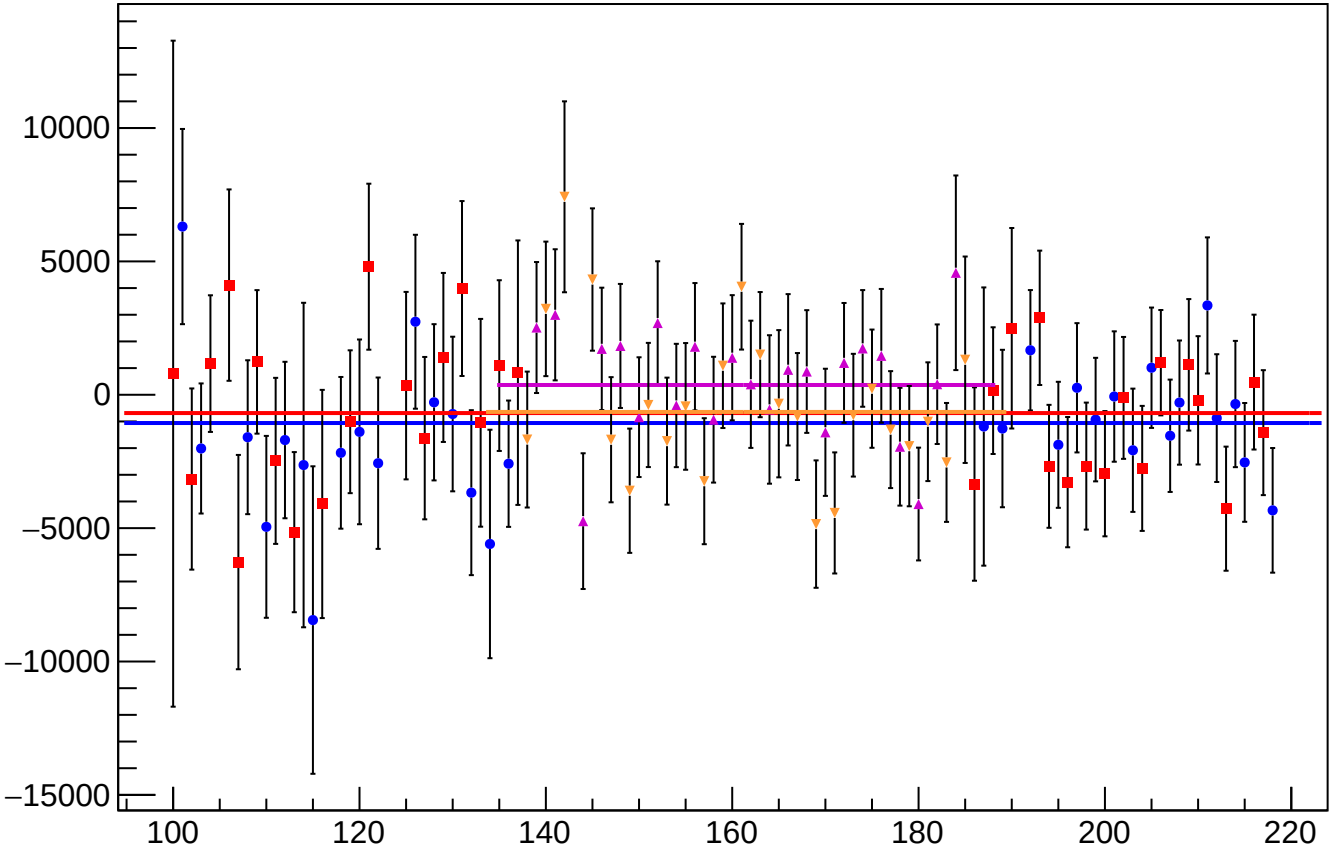
Left In: 1297.454+/-0.216 χ^2/NDF:433995.4/22

+ sign 1549.992+/-0.195 χ^2/NDF: 14175493.5/55

All: 1551.093+/-0.139 χ^2/NDF: 28615303.5/1

- sign 1552.211+/-0.197 χ^2/NDF: 14439746.0/56

cor_asym_us_dd_at2lr_dd_avg_mean vs Slug



Right In: -1059.000+/-480.562 χ^2/NDF: 20.1/31

Left Out: -643.673+/-493.681 χ^2/NDF:27.1/23

Right Out: -685.594+/-481.830 χ^2/NDF: 26.6/33

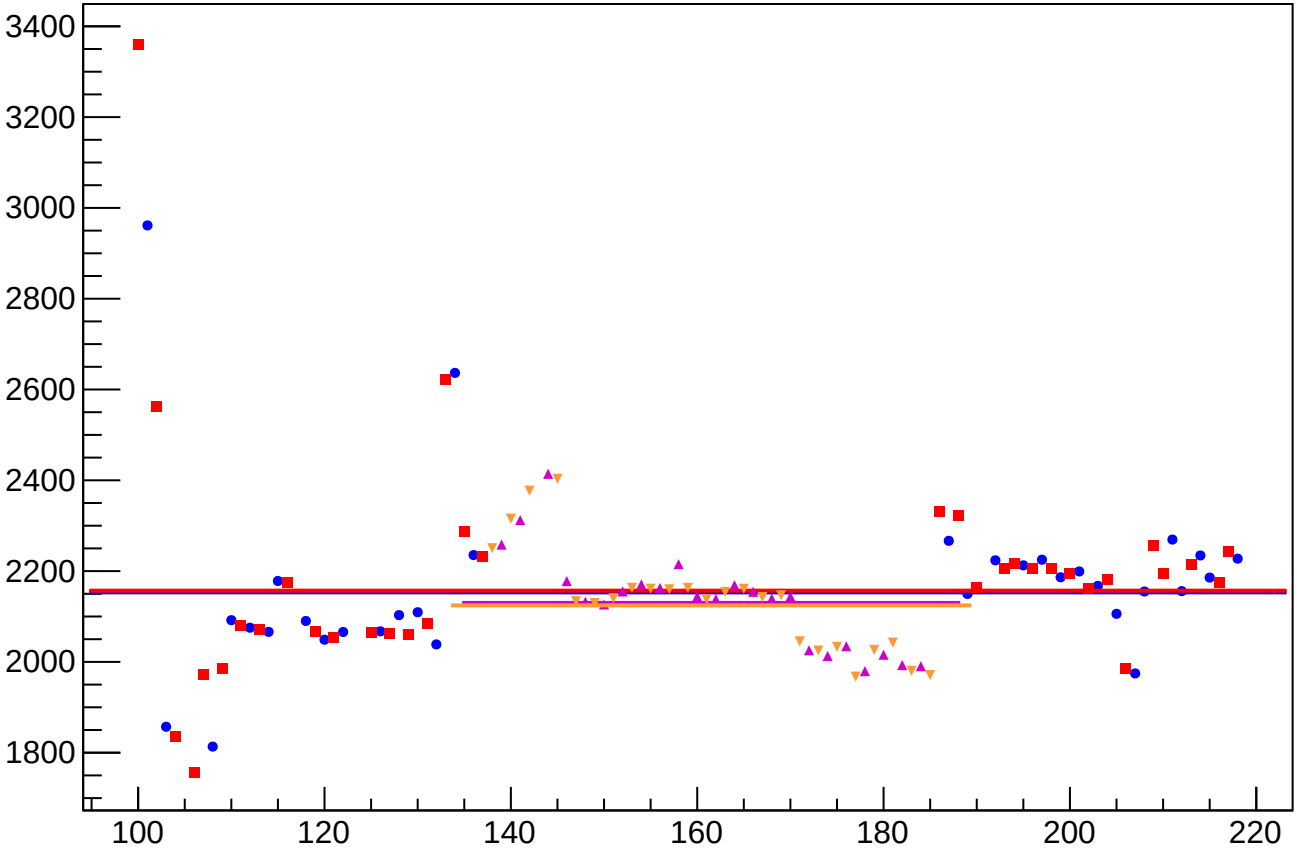
Left In: 366.649+/-497.896 χ^2/NDF:17.3/22

+ sign -856.928+/-344.353 χ^2/NDF: 47.6/55

All: -518.690+/-244.161 χ^2/NDF: 95.7/112

- sign -176.723+/-346.246 χ^2/NDF: 46.2/56

cor_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2153.111+/-0.340 χ^2/NDF: 225991.3/31

Left Out: 2124.437+/-0.349 χ^2/NDF:89184.0/23

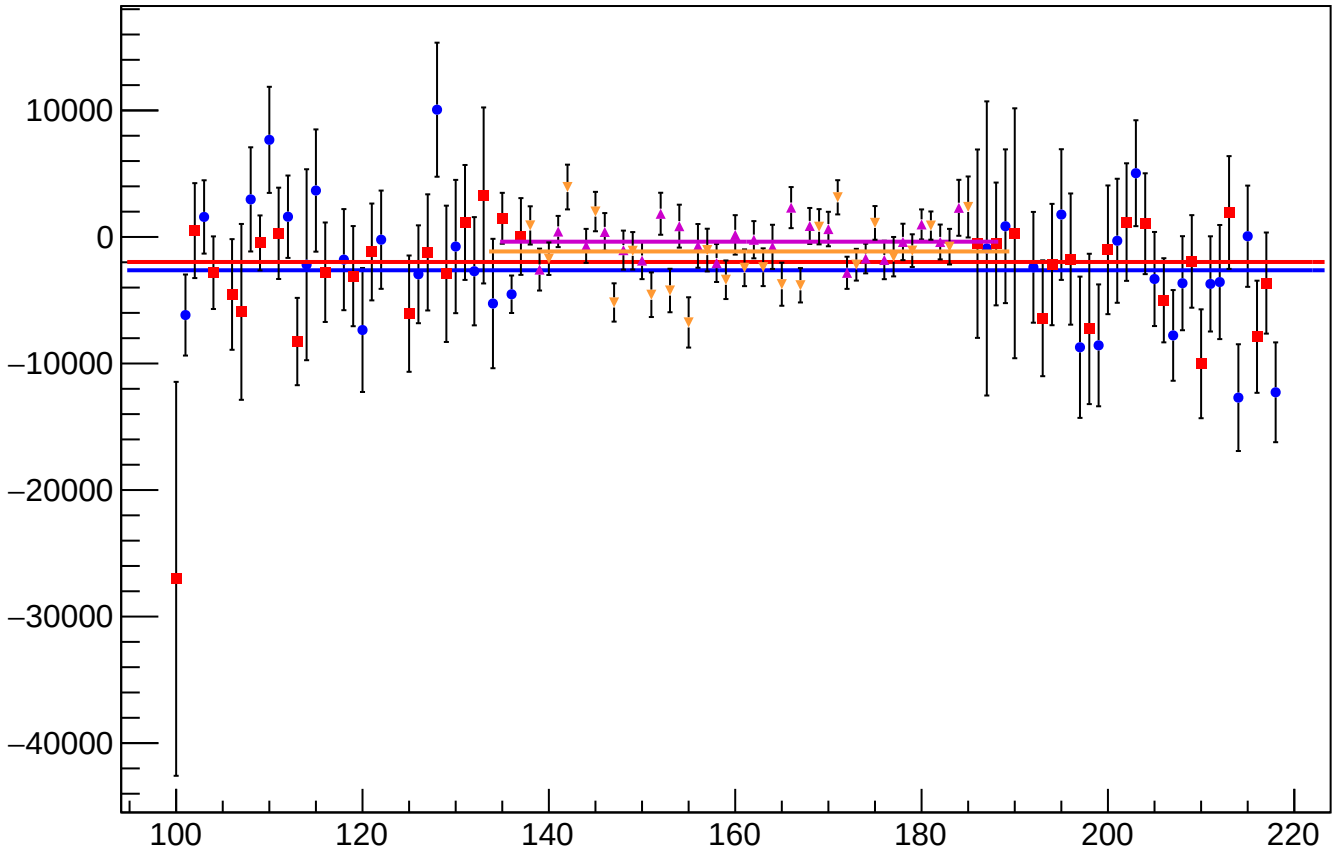
Right Out: 2156.918+/-0.341 χ^2/NDF: 203165.7/33

Left In: 2129.897+/-0.352 χ^2/NDF:85354.4/22

+ sign 2139.160+/-0.243 χ^2/NDF: 318639.7/55

All: 2141.492+/-0.173 χ^2/NDF: 610386.3/112

- sign 2143.851+/-0.245 χ^2/NDF: 291562.1/56



Right In: -2631.645+/-679.021 χ^2/NDF: 45.6/31

Left Out: -1144.779+/-302.490 χ^2/NDF:67.5/23

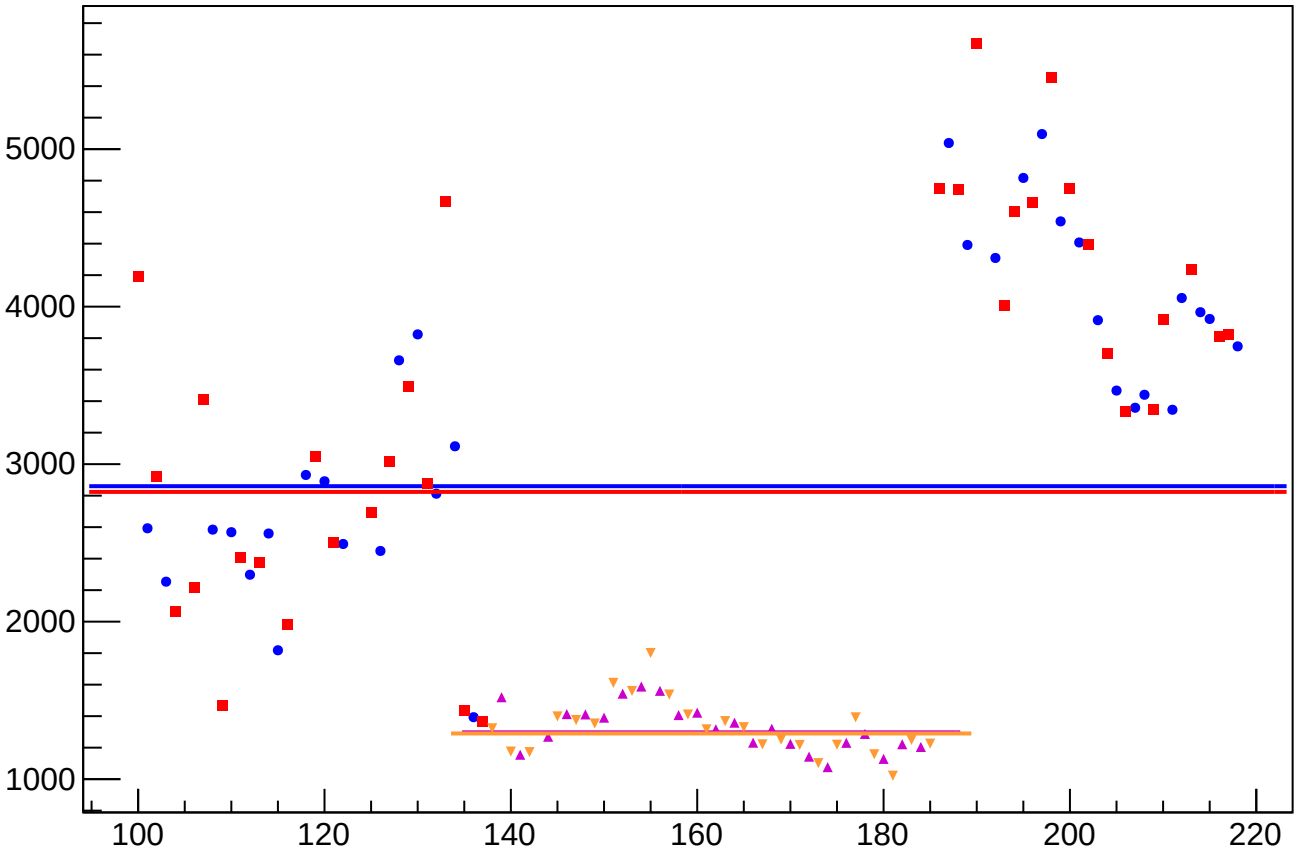
Right Out: -1976.692+/-681.619 χ^2/NDF: 23.5/33

Left In: -373.186+/-305.379 χ^2/NDF:20.3/22

+ sign -1390.990+/-276.313 χ^2/NDF: 117.1/55

All: -1019.323+/-196.217 χ^2/NDF: 169.1/112

- sign -641.240+/-278.687 χ^2/NDF: 48.4/56



Right In: 2860.029+/-0.480 χ^2/NDF: 4685305.4/31

Left Out: 1290.041+/-0.214 χ^2/NDF:567883.5/23

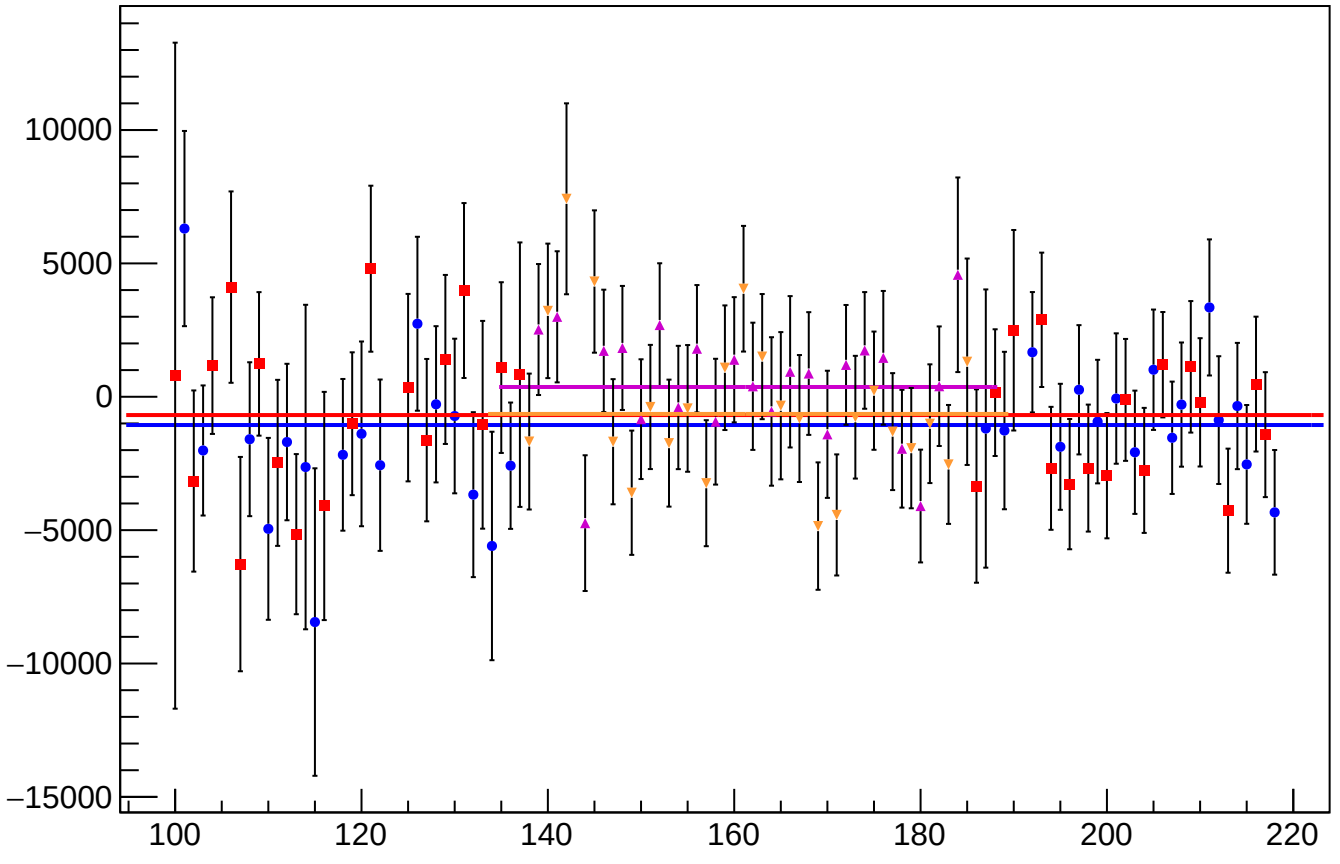
Right Out: 2823.814+/-0.482 χ^2/NDF: 5670483.8/33

Left In: 1297.458+/-0.216 χ^2/NDF:434006.2/22

+ sign 1550.016+/-0.195 χ^2/NDF: 14174640.9/55

All: 1551.304+/-0.139 χ^2/NDF: 28631717.2/1

- sign 1552.615+/-0.197 χ^2/NDF: 14456988.6/56



Right In: -1059.000+/-480.562 χ^2/NDF: 20.1/31

Left Out: -643.673+/-493.681 χ^2/NDF:27.1/23

Right Out: -685.594+/-481.830 χ^2/NDF: 26.6/33

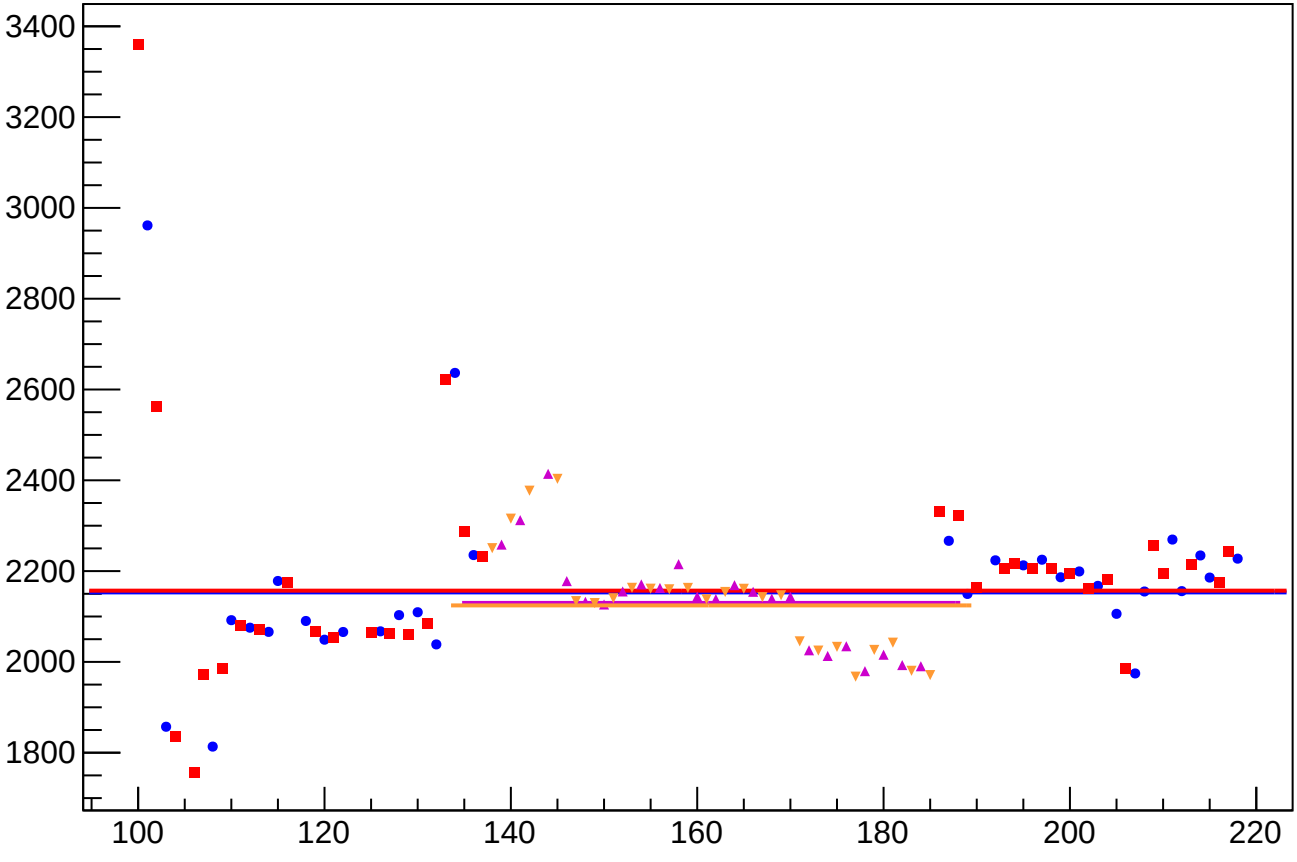
Left In: 366.649+/-497.896 χ^2/NDF:17.3/22

+ sign -856.928+/-344.353 χ^2/NDF: 47.6/55

All: -518.690+/-244.161 χ^2/NDF: 95.7/112

- sign -176.723+/-346.246 χ^2/NDF: 46.2/56

eigen_cor_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2153.111+/-0.340 χ^2/NDF: 225991.3/31

Left Out: 2124.437+/-0.349 χ^2/NDF:89184.0/23

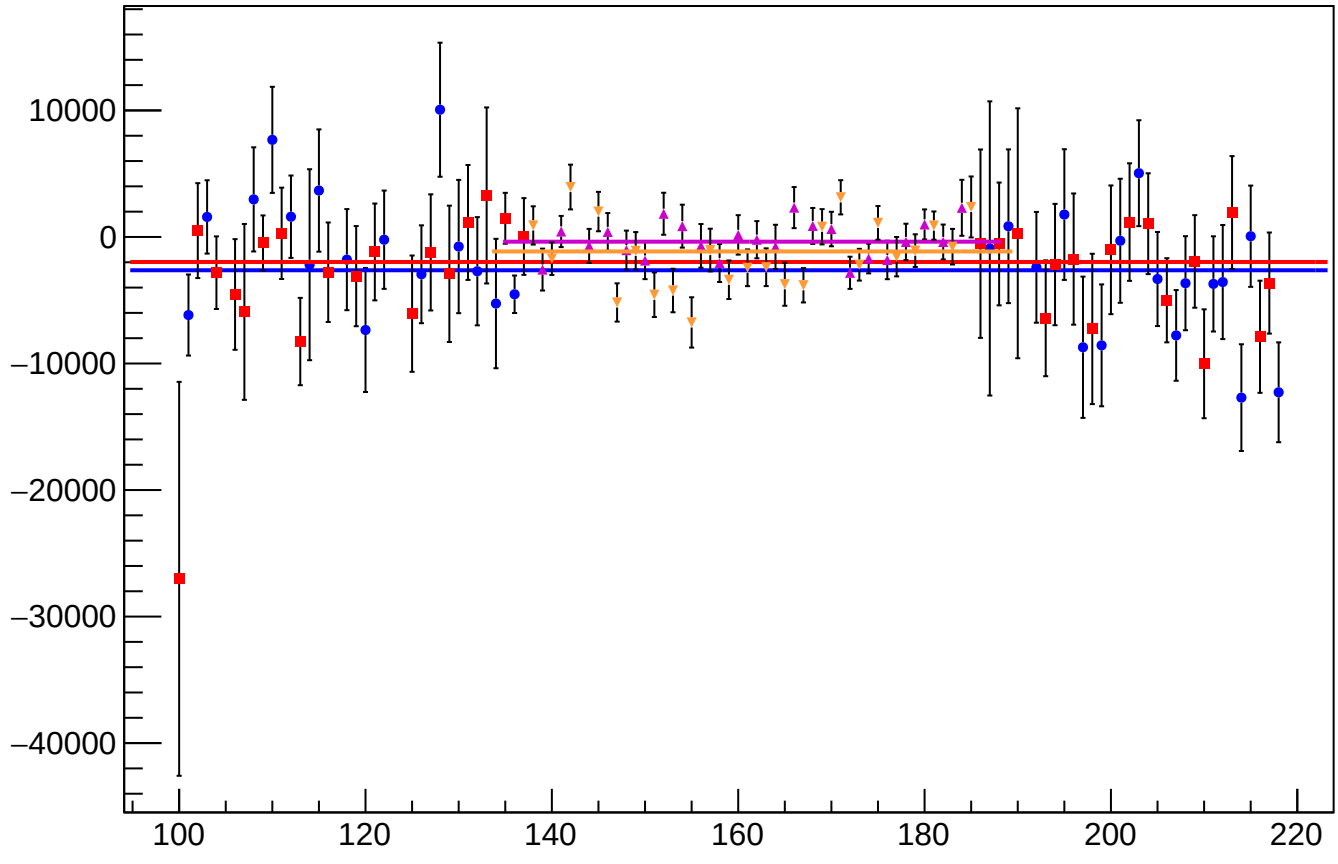
Right Out: 2156.918+/-0.341 χ^2/NDF: 203165.7/33

Left In: 2129.897+/-0.352 χ^2/NDF:85354.4/22

+ sign 2139.160+/-0.243 χ^2/NDF: 318639.7/55

All: 2141.492+/-0.173 χ^2/NDF: 610386.3/112

- sign 2143.851+/-0.245 χ^2/NDF: 291562.1/56



Right In: -2631.645+/-679.021 χ^2/NDF: 45.6/31

Left Out: -1144.779+/-302.490 χ^2/NDF:67.5/23

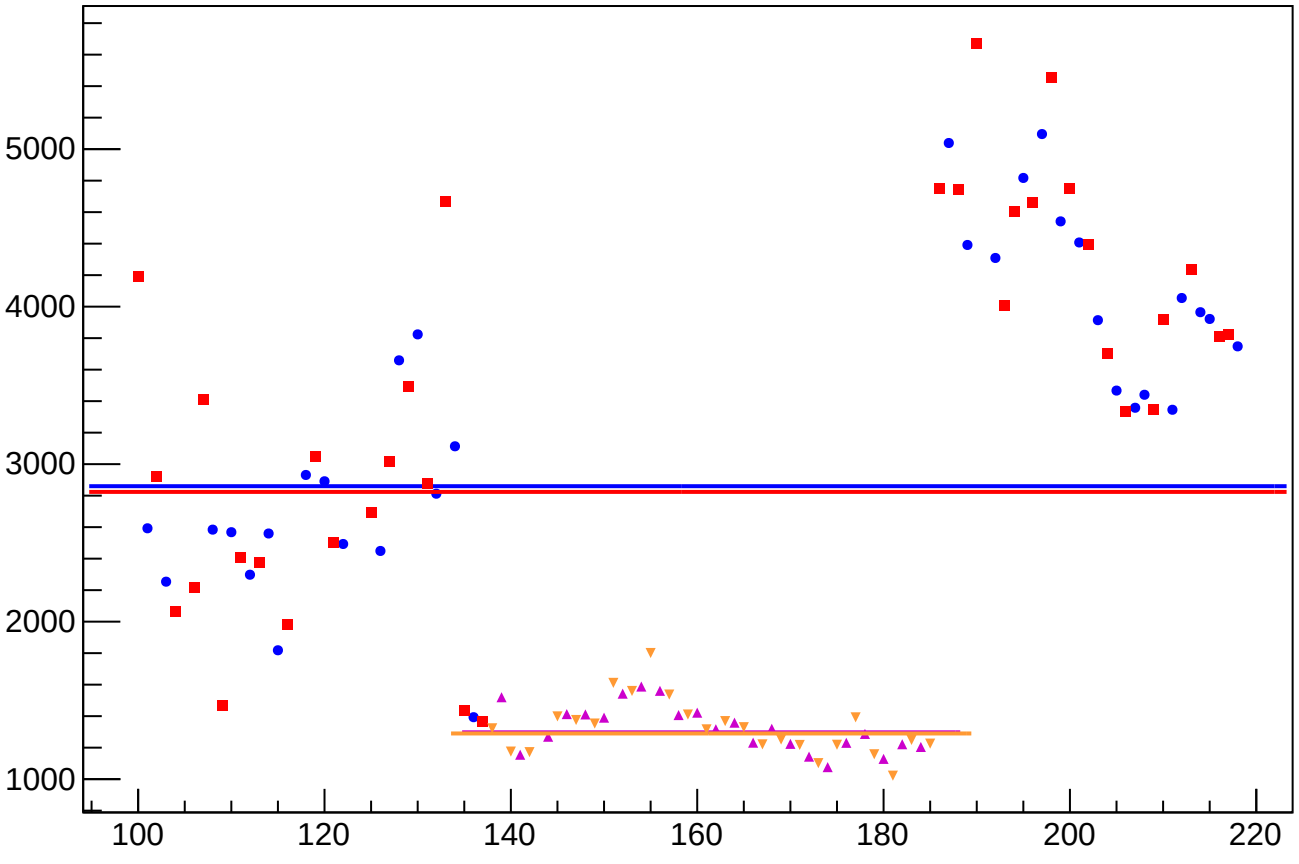
Right Out: -1976.692+/-681.619 χ^2/NDF: 23.5/33

Left In: -373.186+/-305.379 χ^2/NDF:20.3/22

+ sign -1390.990+/-276.313 χ^2/NDF: 117.1/55

All: -1019.323+/-196.217 χ^2/NDF: 169.1/112

- sign -641.240+/-278.687 χ^2/NDF: 48.4/56



Right In: 2860.029+/-0.480 χ^2/NDF: 4685305.4/31

Left Out: 1290.041+/-0.214 χ^2/NDF:567883.5/23

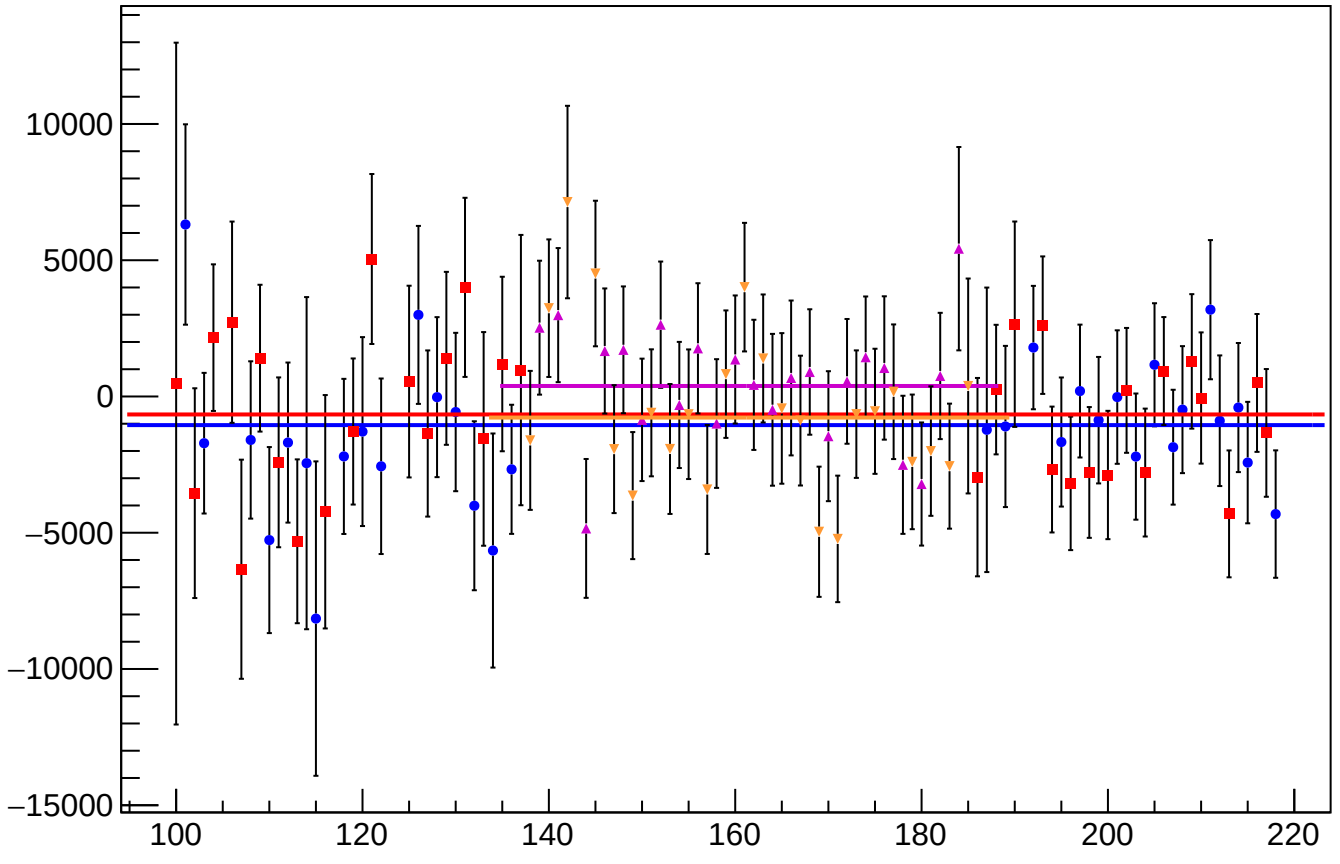
Right Out: 2823.814+/-0.482 χ^2/NDF: 5670483.8/33

Left In: 1297.458+/-0.216 χ^2/NDF:434006.2/22

+ sign 1550.016+/-0.195 χ^2/NDF: 14174640.9/55

All: 1551.304+/-0.139 χ^2/NDF: 28631717.2/1

- sign 1552.615+/-0.197 χ^2/NDF: 14456988.6/56



Right In: -1050.555+/-482.406 χ^2/NDF: 20.5/31

Left Out: -773.579+/-502.816 χ^2/NDF:28.6/23

Right Out: -659.762+/-484.887 χ^2/NDF: 26.6/33

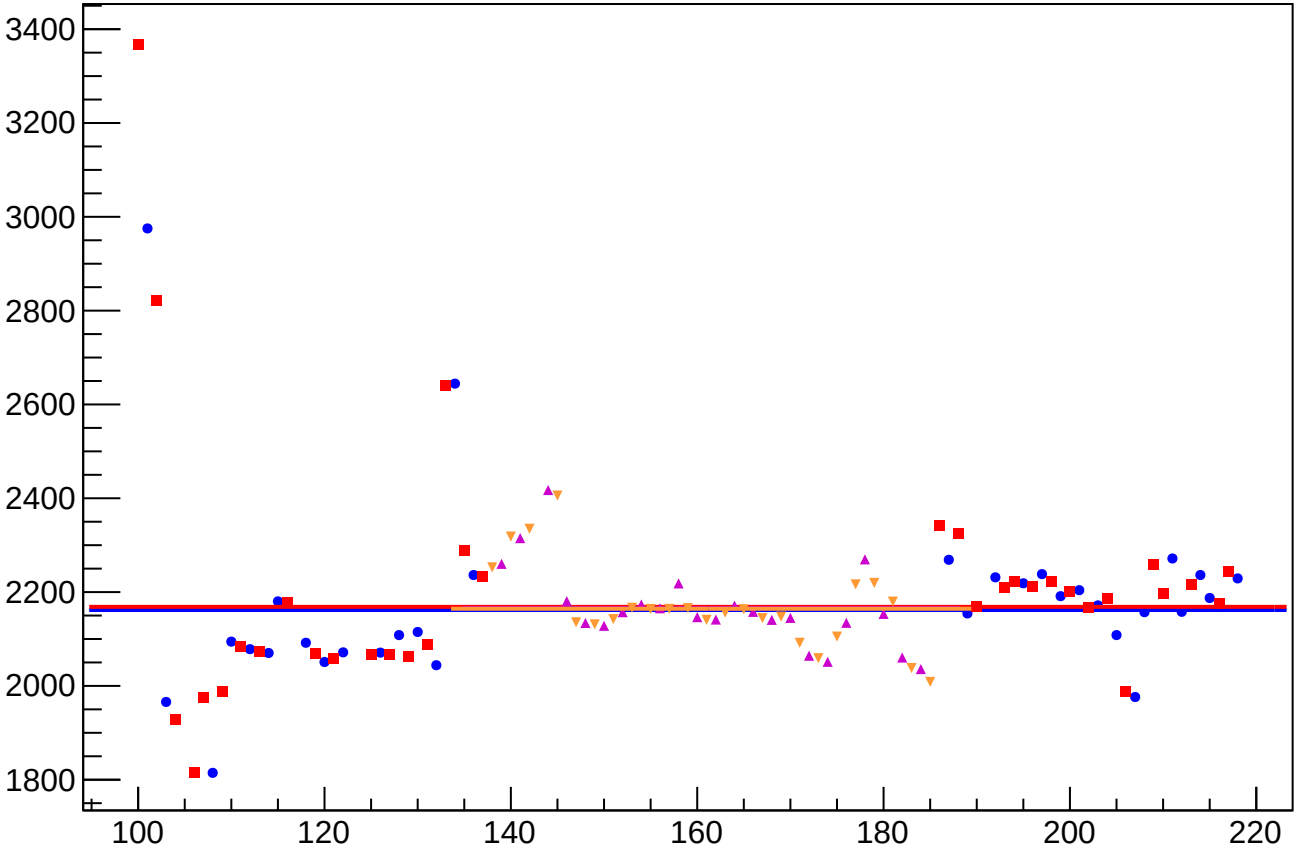
Left In: 385.269+/-506.052 χ^2/NDF:15.6/22

+ sign -917.803+/-348.104 χ^2/NDF: 49.2/55

All: -540.858+/-246.853 χ^2/NDF: 96.0/112

- sign -159.557+/-350.110 χ^2/NDF: 44.4/56

dit_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2161.805+/-0.341 χ^2/NDF: 209922.2/31

Left Out: 2164.532+/-0.356 χ^2/NDF:50676.3/23

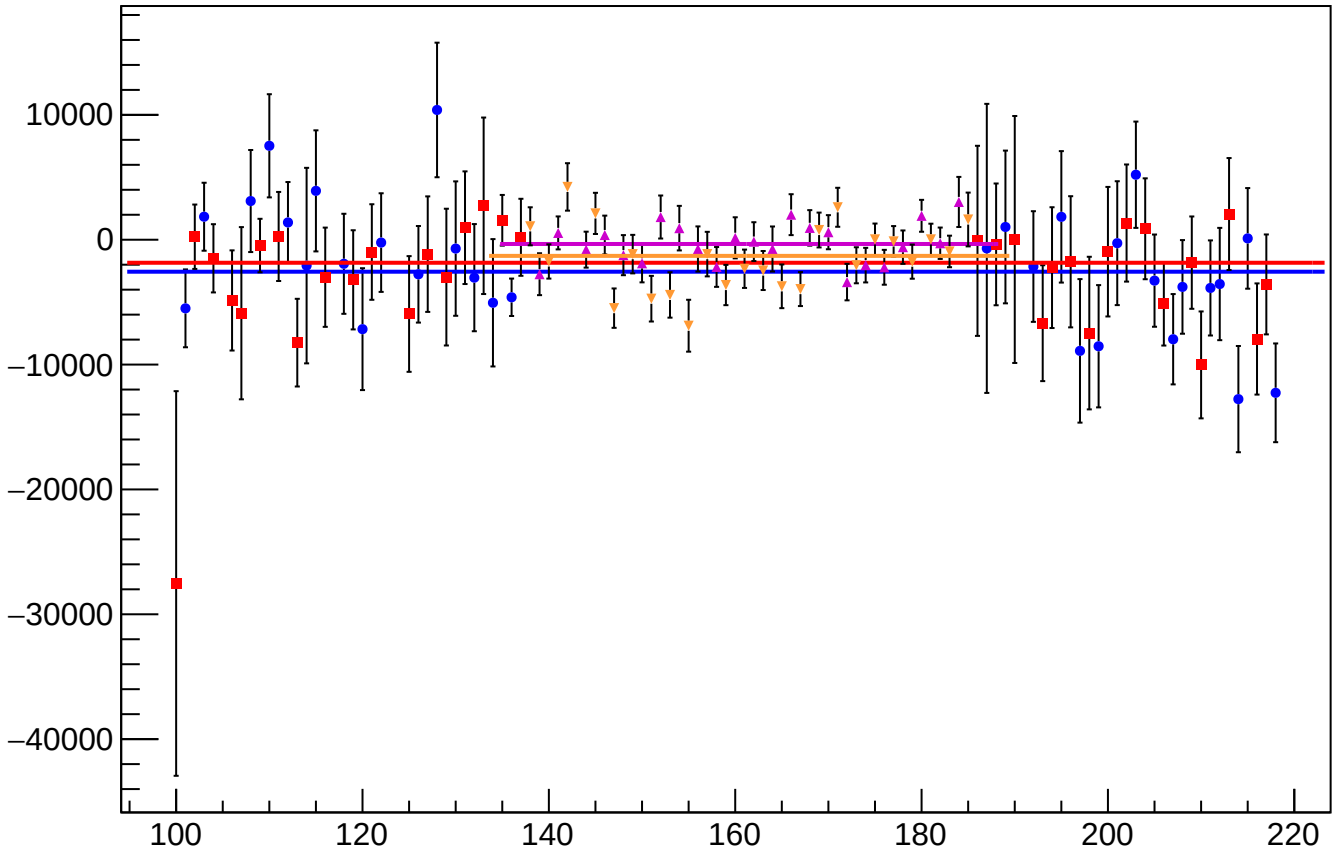
Right Out: 2168.531+/-0.343 χ^2/NDF: 211189.9/33

Left In: 2165.643+/-0.358 χ^2/NDF:52124.5/22

+ sign 2163.112+/-0.246 χ^2/NDF: 260629.1/55

All: 2165.119+/-0.175 χ^2/NDF: 524111.1/112

- sign 2167.149+/-0.248 χ^2/NDF: 263348.3/56



Right In: -2561.774+/-680.127 χ^2/NDF: 46.0/31

Left Out: -1293.716+/-310.622 χ^2/NDF:58.7/23

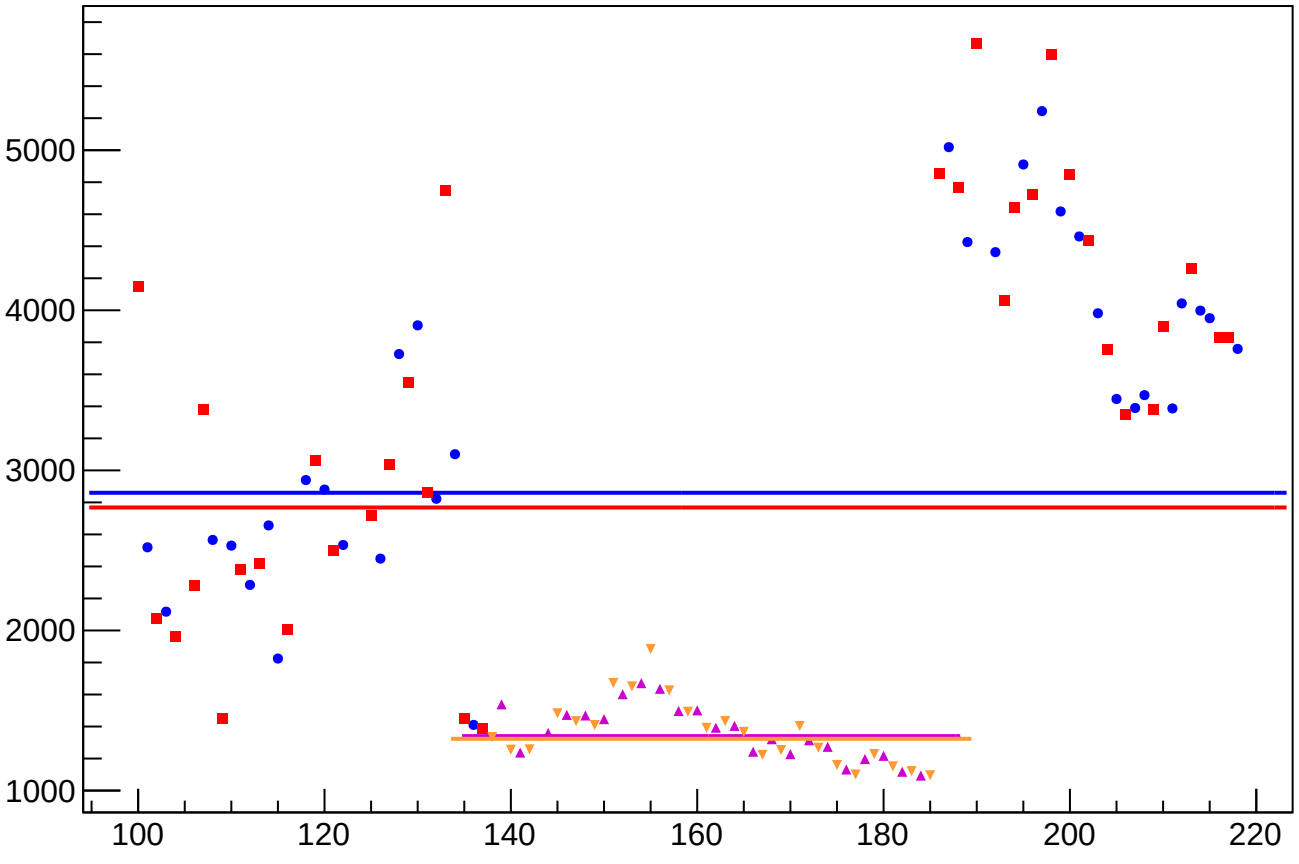
Right Out: -1844.640+/-669.067 χ^2/NDF: 24.1/33

Left In: -341.259+/-315.566 χ^2/NDF:24.8/22

+ sign -1512.566+/-282.549 χ^2/NDF: 107.6/55

All: -1068.228+/-200.797 χ^2/NDF: 165.6/112

- sign -614.835+/-285.413 χ^2/NDF: 53.0/56



Right In: 2860.169+/-0.481 χ^2/NDF: 4791933.7/31

Left Out: 1323.402+/-0.220 χ^2/NDF:663859.2/23

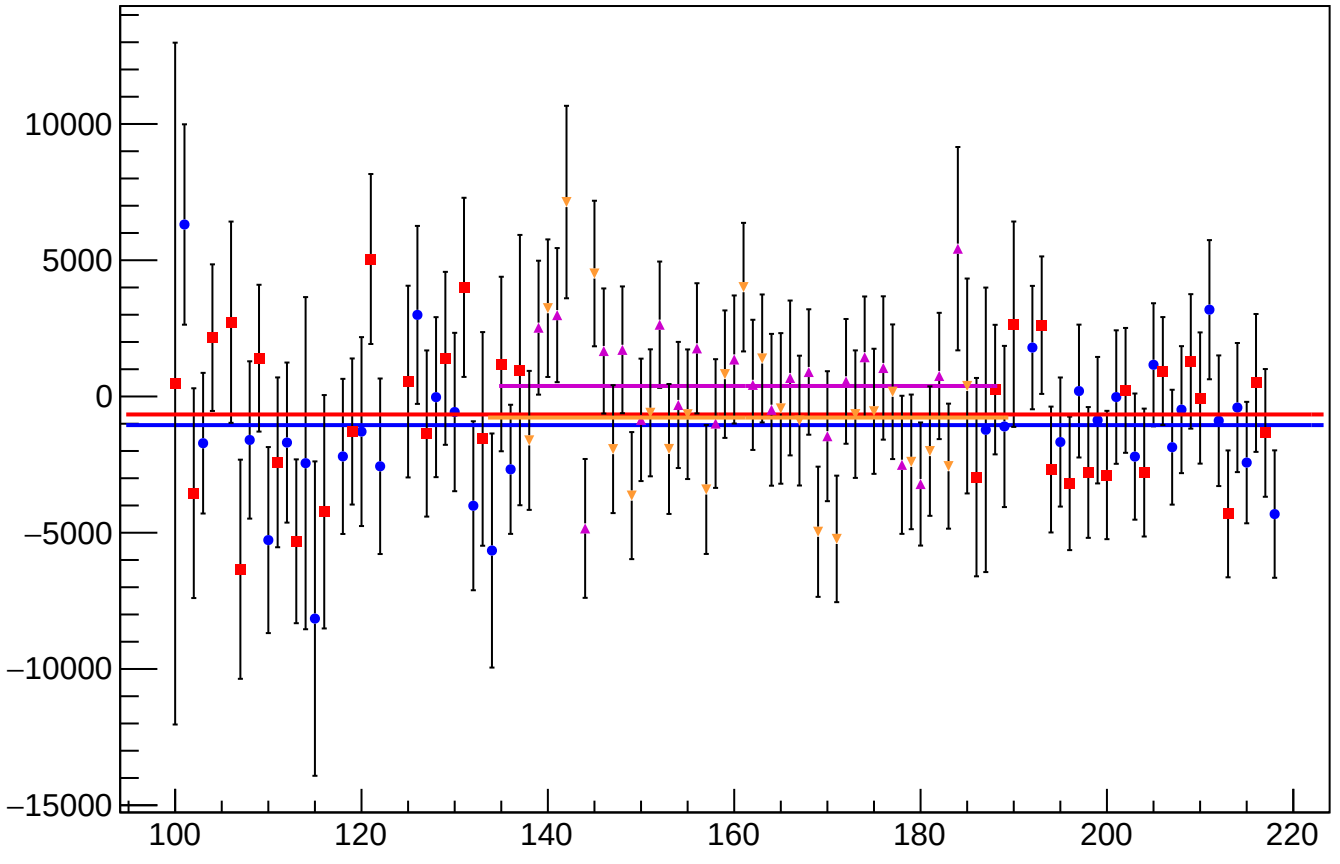
Right Out: 2768.221+/-0.473 χ^2/NDF: 5968108.7/33

Left In: 1340.084+/-0.223 χ^2/NDF:494267.4/22

+ sign 1588.628+/-0.200 χ^2/NDF: 13904469.5/55

All: 1594.240+/-0.142 χ^2/NDF: 27822572.9/1

- sign 1599.967+/-0.202 χ^2/NDF: 13916508.8/56



Right In: -1050.548+/-482.406 χ^2/NDF: 20.5/31

Left Out: -773.576+/-502.816 χ^2/NDF:28.6/23

Right Out: -659.756+/-484.887 χ^2/NDF: 26.6/33

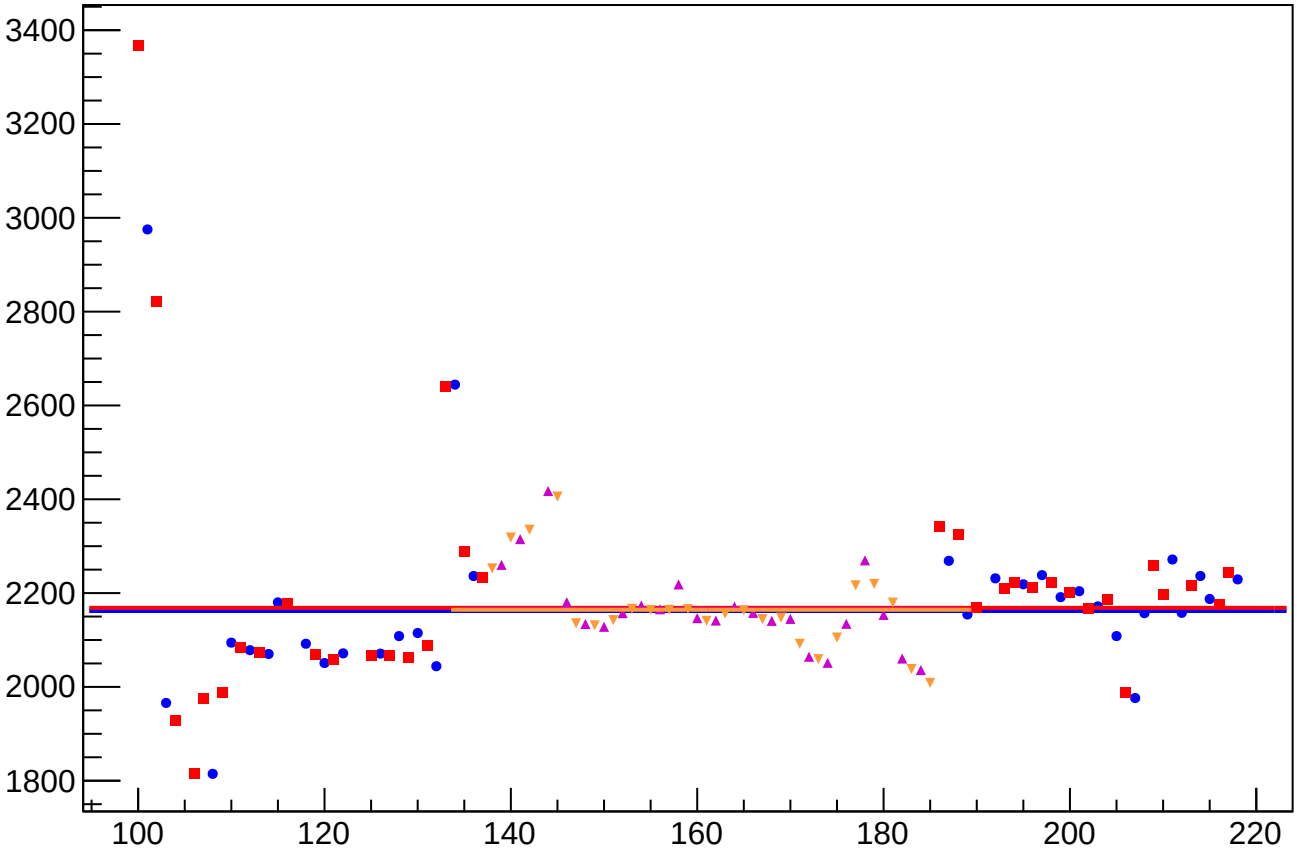
Left In: 385.269+/-506.052 χ^2/NDF:15.6/22

+ sign -917.797+/-348.104 χ^2/NDF: 49.2/55

All: -540.854+/-246.853 χ^2/NDF: 96.0/112

- sign -159.554+/-350.110 χ^2/NDF: 44.4/56

eigen_dit_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2161.805+/-0.341 χ^2/NDF: 209922.2/31

Left Out: 2164.532+/-0.356 χ^2/NDF:50676.3/23

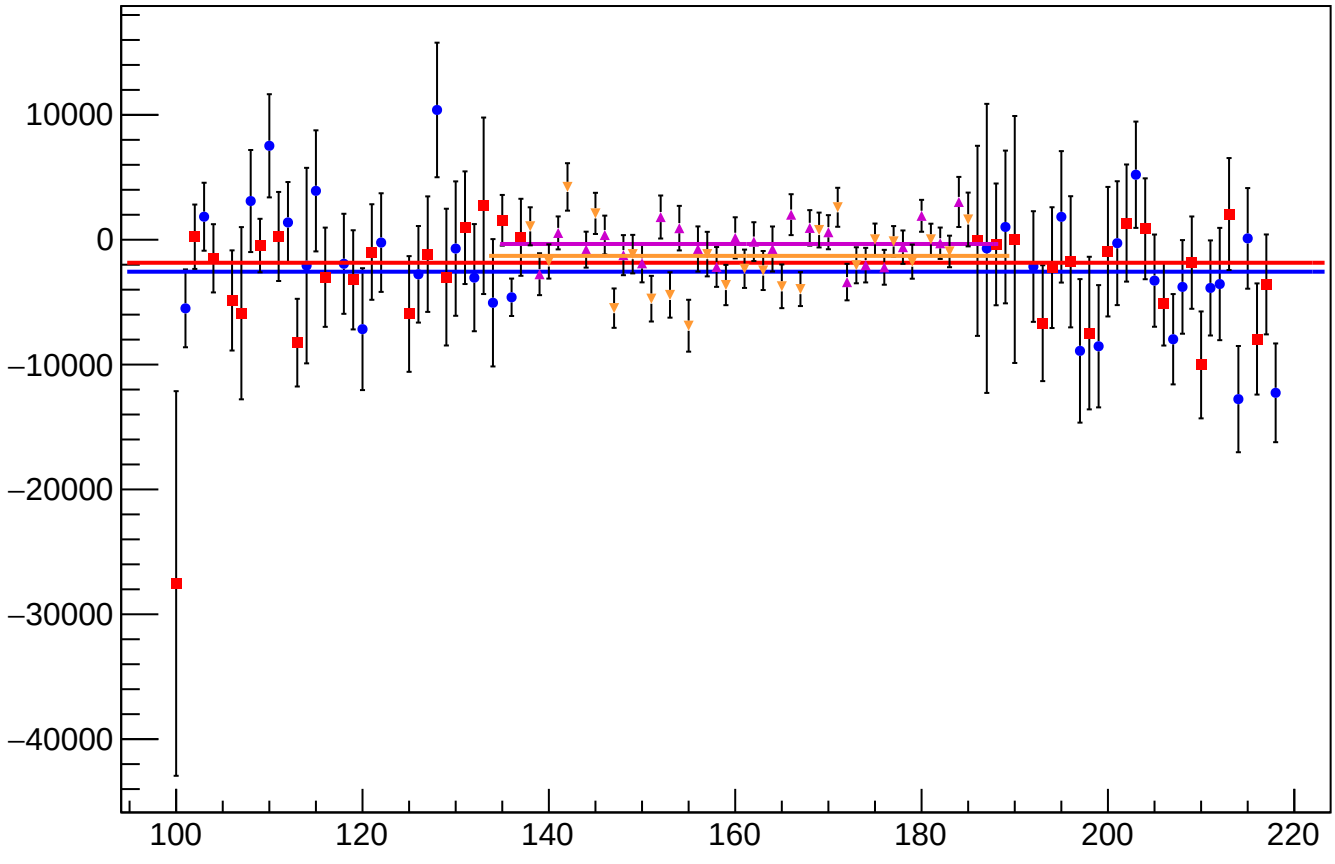
Right Out: 2168.531+/-0.343 χ^2/NDF: 211189.8/33

Left In: 2165.643+/-0.358 χ^2/NDF:52124.4/22

+ sign 2163.112+/-0.246 χ^2/NDF: 260629.1/55

All: 2165.118+/-0.175 χ^2/NDF: 524111.0/112

- sign 2167.148+/-0.248 χ^2/NDF: 263348.2/56



Right In: -2561.772+/-680.128 χ^2/NDF: 46.0/31

Left Out: -1293.717+/-310.622 χ^2/NDF:58.7/23

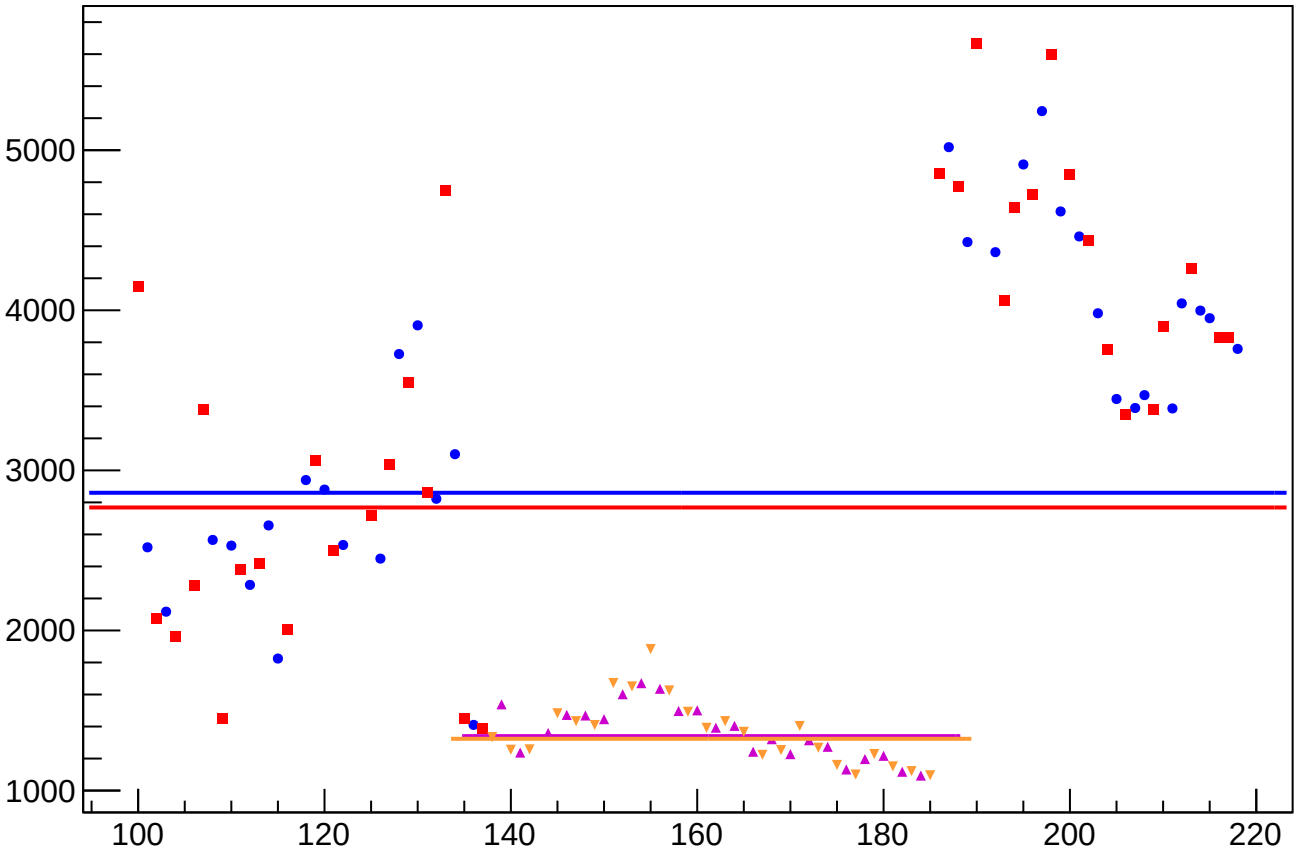
Right Out: -1844.651+/-669.069 χ^2/NDF: 24.1/33

Left In: -341.256+/-315.566 χ^2/NDF:24.8/22

+ sign -1512.565+/-282.549 χ^2/NDF: 107.6/55

All: -1068.226+/-200.797 χ^2/NDF: 165.6/112

- sign -614.833+/-285.413 χ^2/NDF: 53.0/56



Right In: 2860.179+/-0.481 χ^2/NDF: 4791820.9/31

Left Out: 1323.402+/-0.220 χ^2/NDF:663857.6/23

Right Out: 2768.233+/-0.473 χ^2/NDF: 5968010.6/33

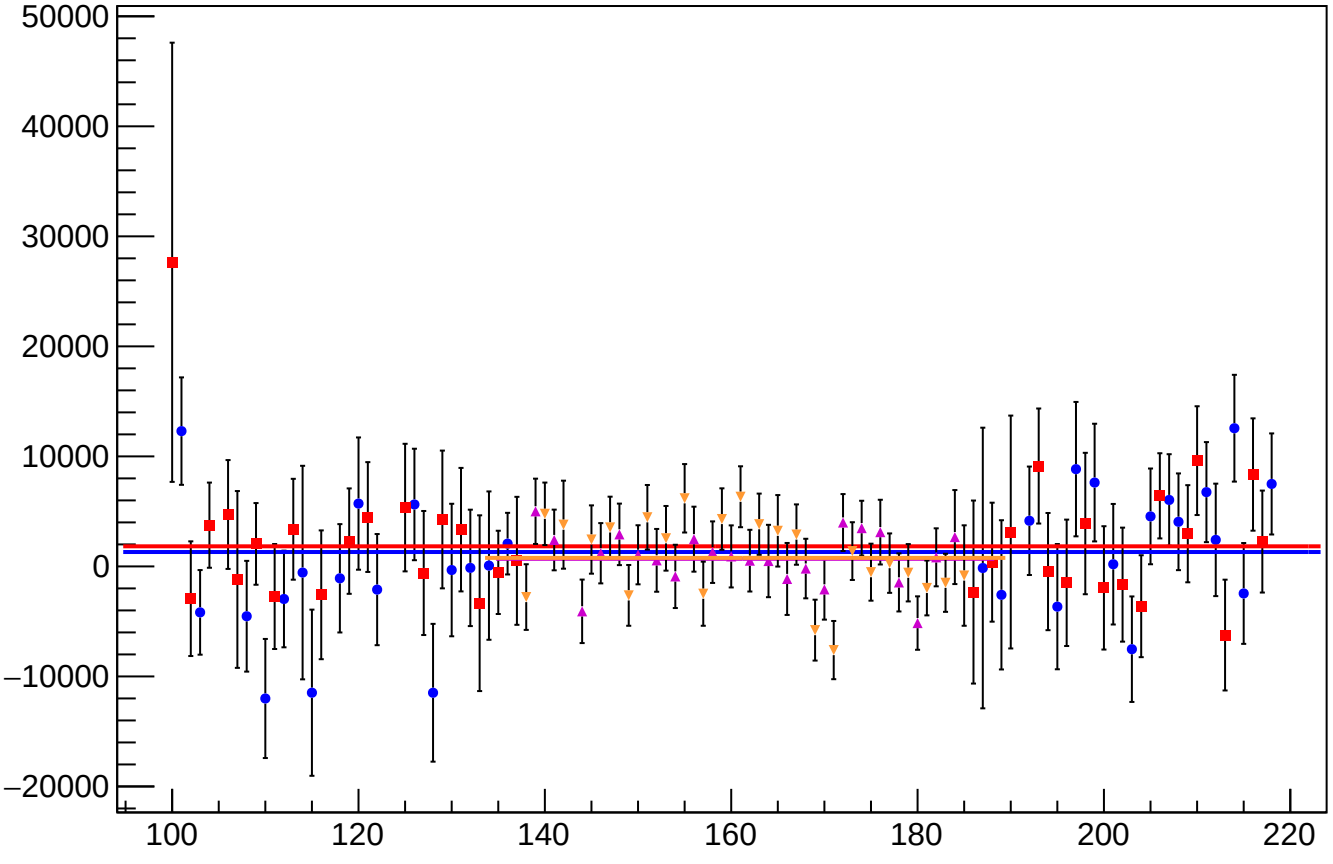
Left In: 1340.083+/-0.223 χ^2/NDF:494276.1/22

+ sign 1588.628+/-0.200 χ^2/NDF: 13904440.6/55

All: 1594.240+/-0.142 χ^2/NDF: 27822562.4/1

- sign 1599.967+/-0.202 χ^2/NDF: 13916527.7/56

asym_us_dd_at2lr_dd_avg_mean vs Slug



Right In: 1308.093+/-886.101 χ^2/NDF: 44.1/31

Left Out: 774.788+/-583.692 χ^2/NDF:39.3/23

Right Out: 1826.795+/-892.275 χ^2/NDF: 20.1/33

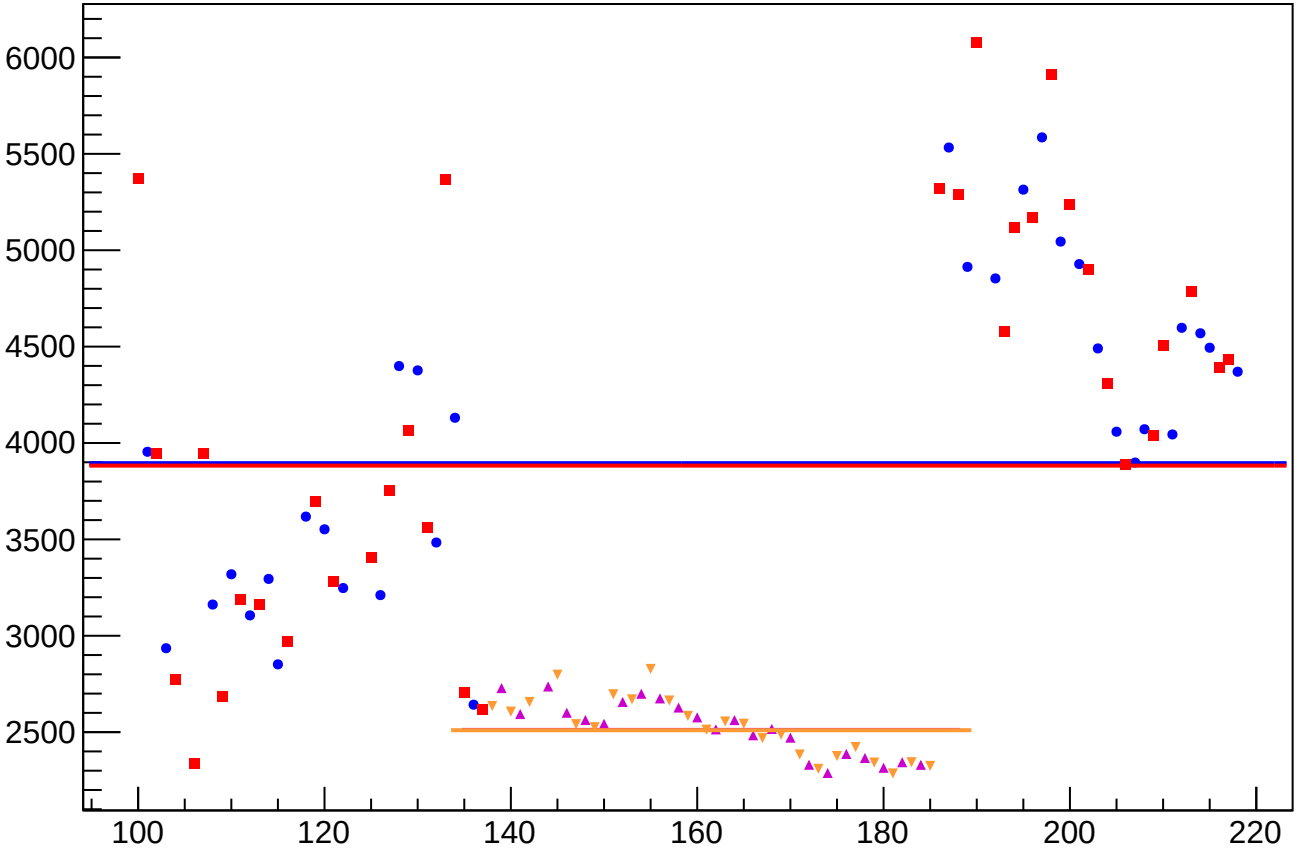
Left In: 689.981+/-587.431 χ^2/NDF:18.3/22

\+ sign 936.170+/-487.442 χ^2/NDF: 83.7/55

All: 984.625+/-345.801 χ^2/NDF: 123.3/112

\- sign 1033.720+/-490.647 χ^2/NDF: 39.6/56

asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 3895.417+/-0.627 χ^2/NDF: 1588876.4/31

Left Out: 2510.069+/-0.413 χ^2/NDF:128632.5/23

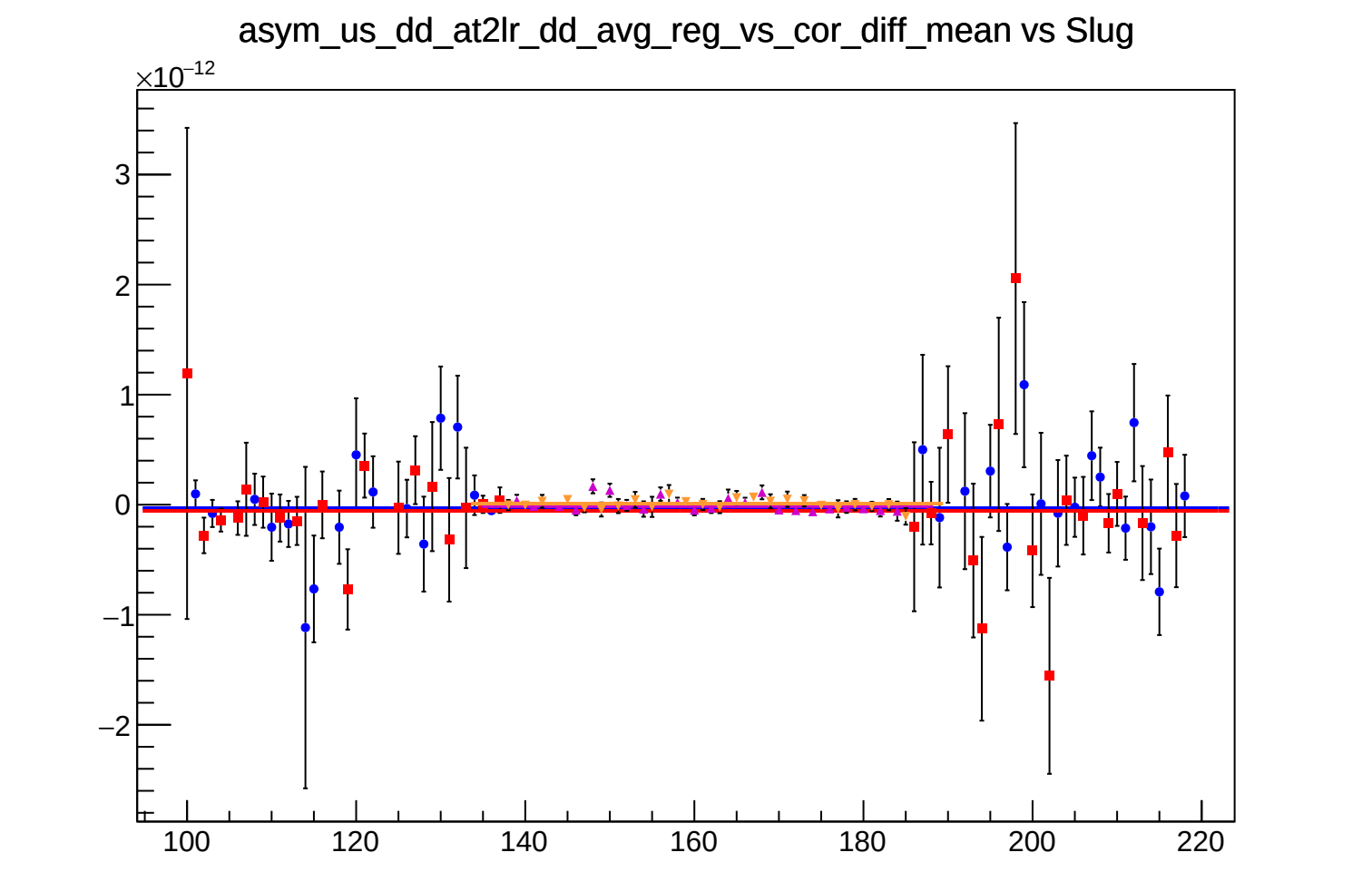
Right Out: 3882.624+/-0.631 χ^2/NDF: 2213558.7/33

Left In: 2511.613+/-0.415 χ^2/NDF:113485.5/22

+ sign 2929.285+/-0.345 χ^2/NDF: 5126764.6/55

All: 2927.738+/-0.245 χ^2/NDF: 10748003.5/1

- sign 2926.171+/-0.347 χ^2/NDF: 5621198.4/56



Right In: -0.000+/-0.000 χ^2/NDF: 26.4/31

Left Out: 0.000+/-0.000 χ^2/NDF:12.2/23

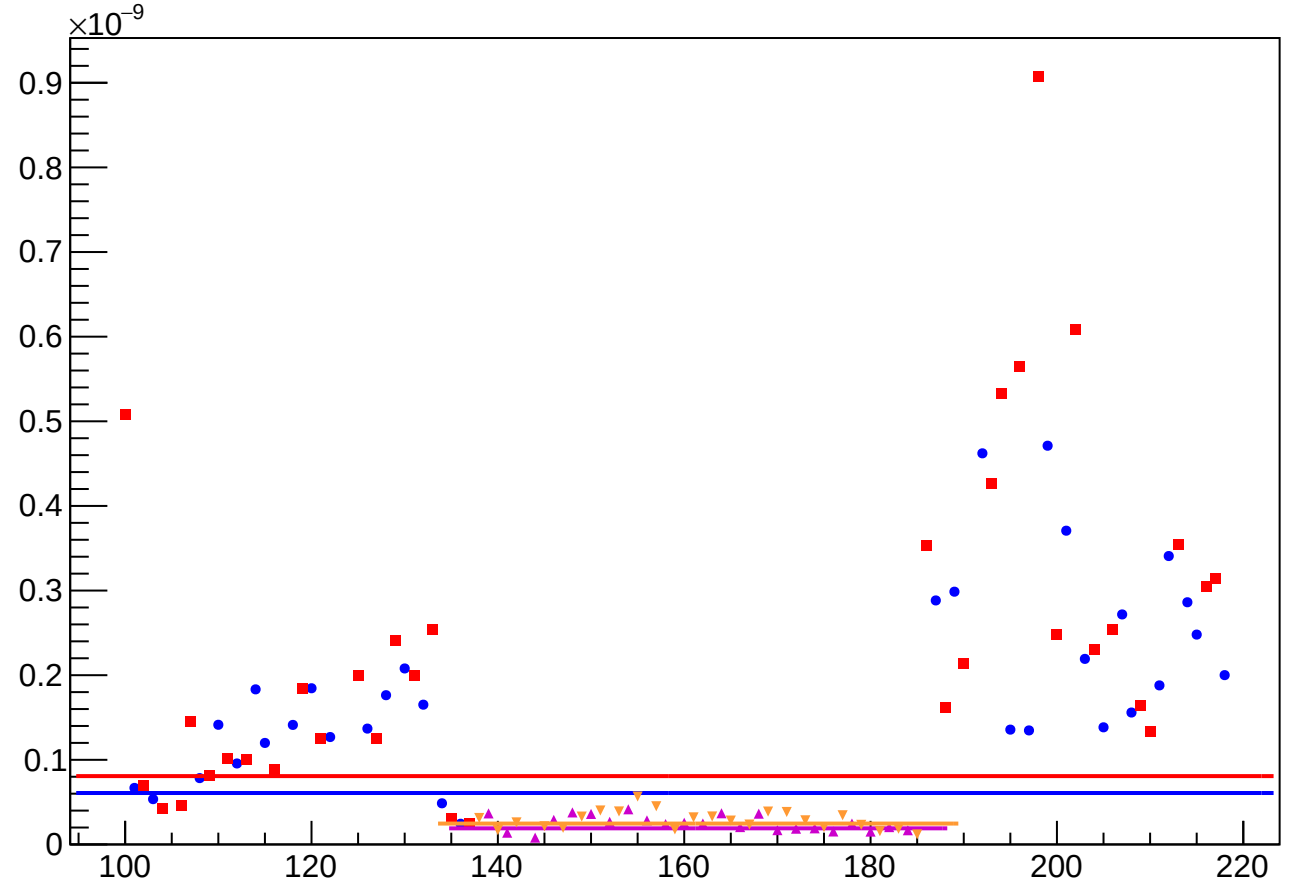
Right Out: -0.000+/-0.000 χ^2/NDF: 24.0/33

Left In: -0.000+/-0.000 χ^2/NDF:30.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 40.0/55

All: -0.000+/-0.000 χ^2/NDF: 98.8/112

- sign -0.000+/-0.000 χ^2/NDF: 56.1/56



Right In: 0.000+/-0.000 χ^2/NDF: 8379277.0/31

Left Out: 0.000+/-0.000 χ^2/NDF:1413212.9/23

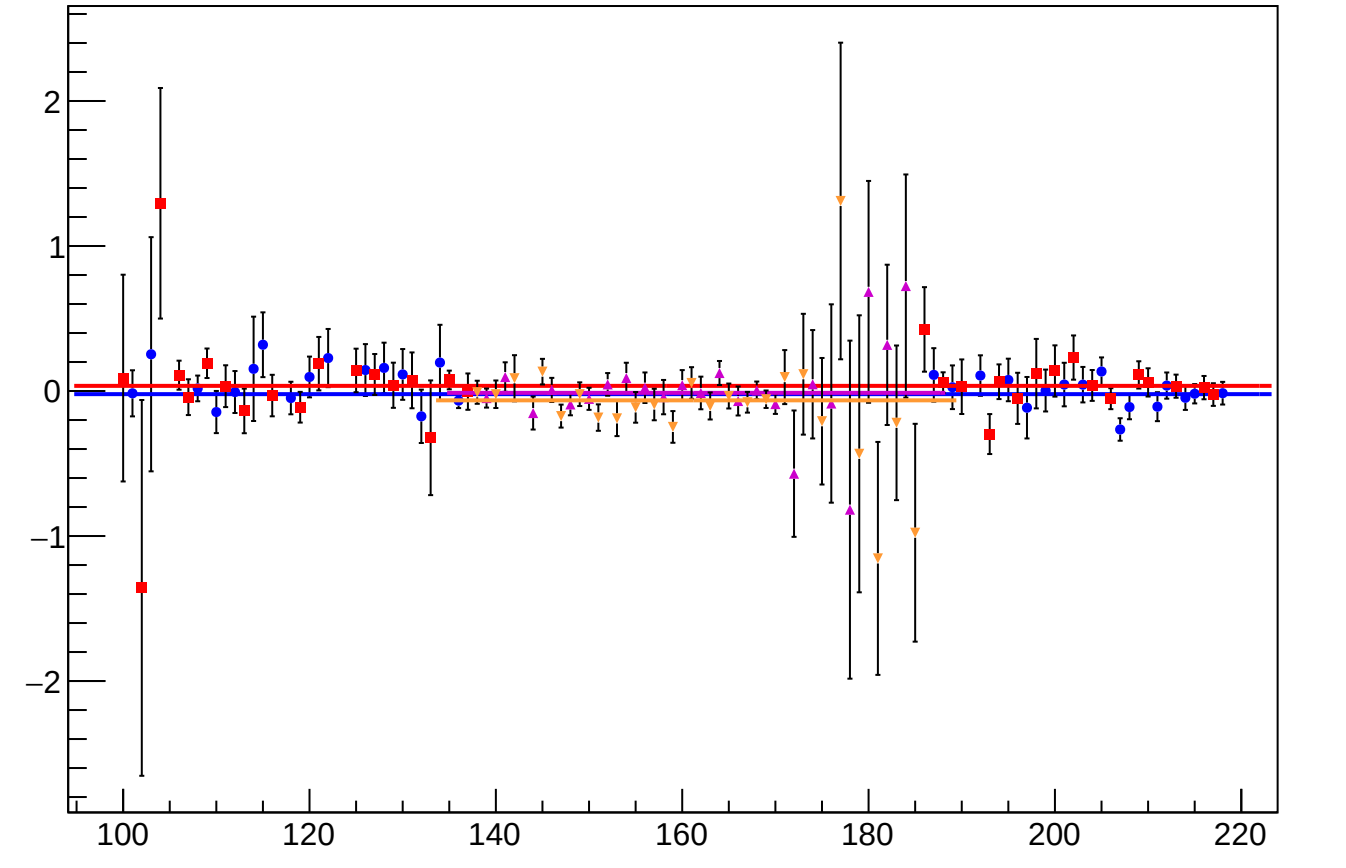
Right Out: 0.000+/-0.000 χ^2/NDF: 8787060.7/33

Left In: 0.000+/-0.000 χ^2/NDF:2190334.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 12038444.9/55

All: 0.000+/-0.000 χ^2/NDF: 27937598.8/112

- sign 0.000+/-0.000 χ^2/NDF: 15434383.9/56



Right In: -0.022+/-0.020 χ^2/NDF: 28.1/31

Left Out: -0.064+/-0.022 χ^2/NDF:22.3/23

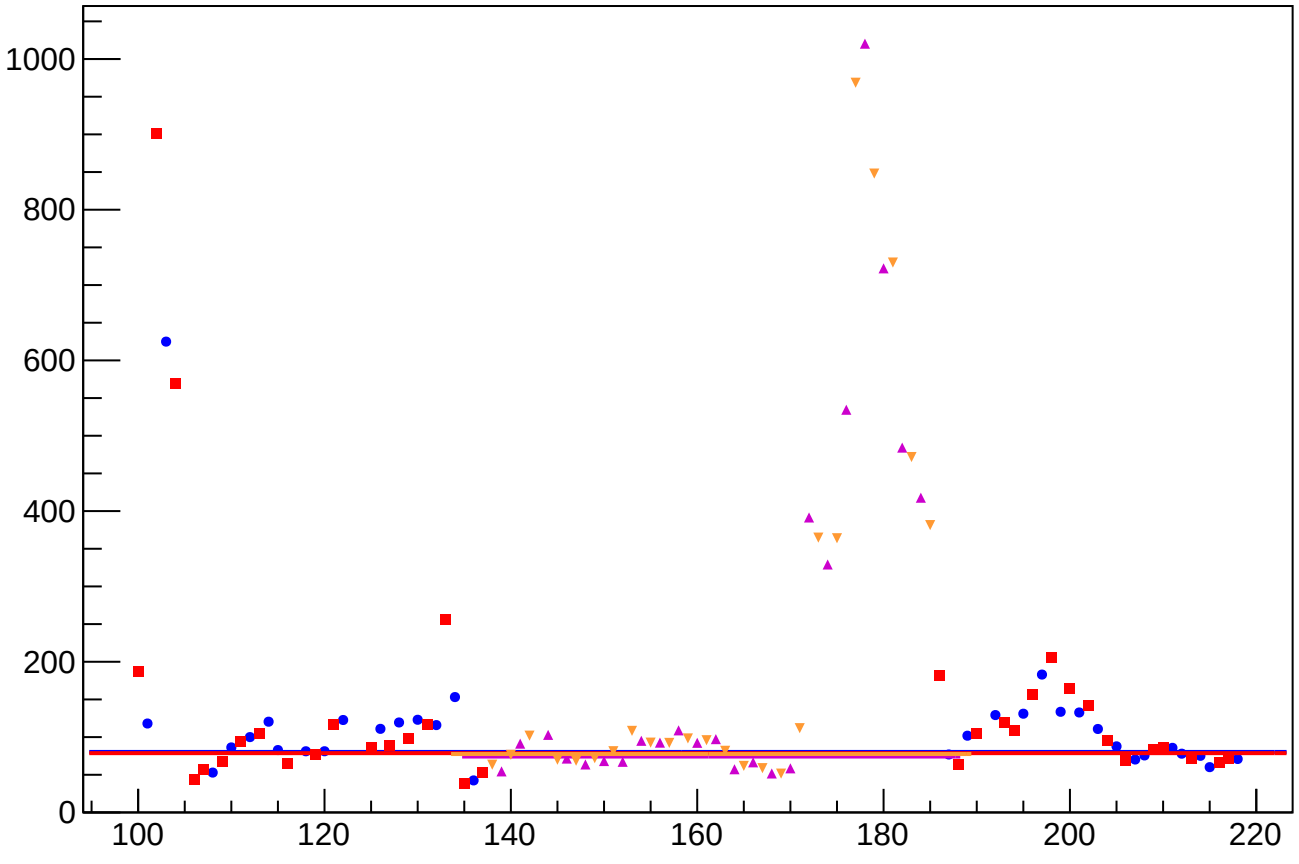
Right Out: 0.035+/-0.020 χ^2/NDF: 26.1/33

Left In: -0.013+/-0.021 χ^2/NDF:15.0/22

+ sign -0.041+/-0.015 χ^2/NDF: 52.4/55

All: -0.014+/-0.010 χ^2/NDF: 102.9/112

- sign 0.013+/-0.015 χ^2/NDF: 43.9/56



Right In: 80.324+/-0.014 χ^2/NDF: 4865460.9/31

Left Out: 77.533+/-0.016 χ^2/NDF:8331194.0/23

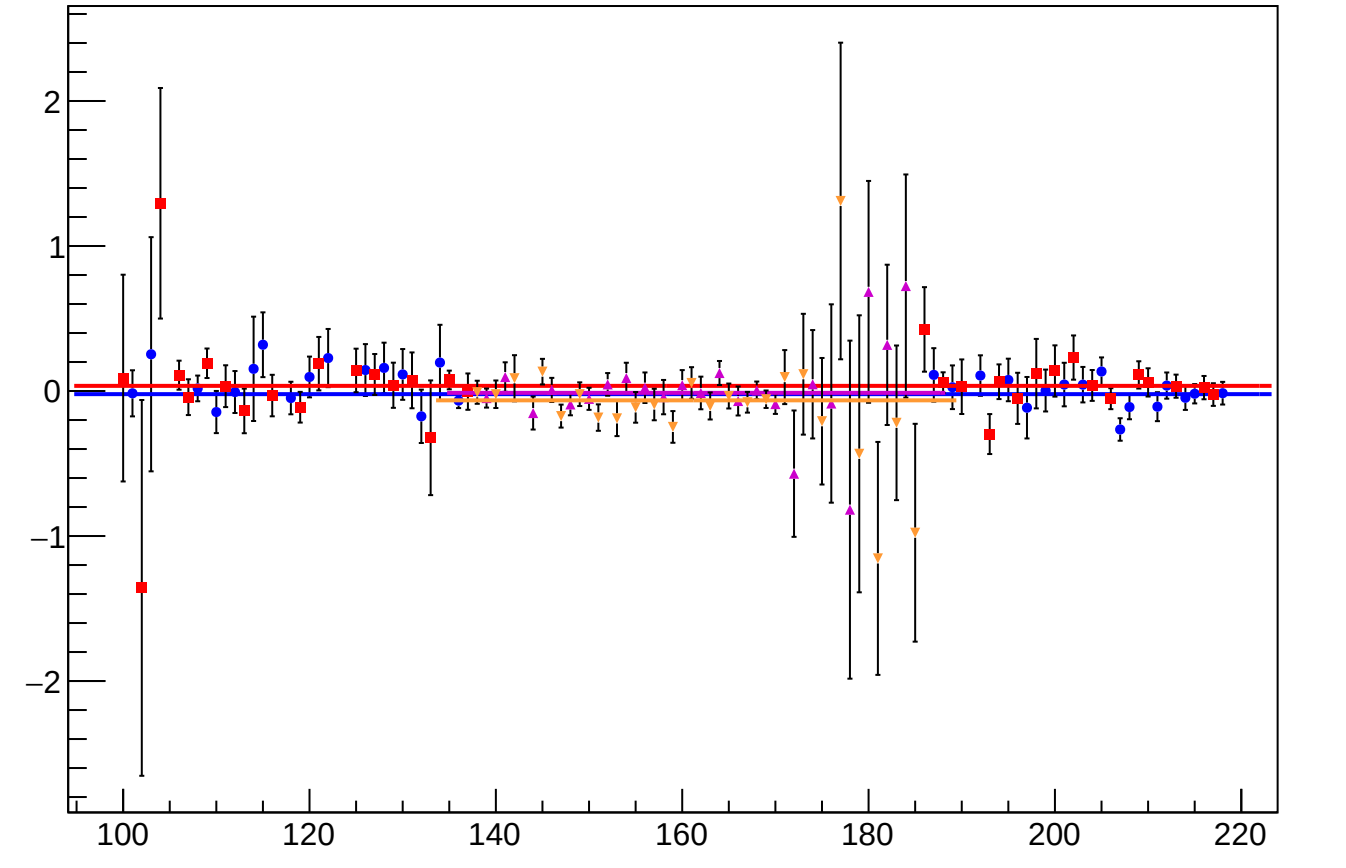
Right Out: 78.715+/-0.014 χ^2/NDF: 6156469.0/33

Left In: 74.216+/-0.015 χ^2/NDF:8514080.5/22

+ sign 79.063+/-0.011 χ^2/NDF: 13214131.7/55

All: 77.793+/-0.007 χ^2/NDF: 27960818.3/112

- sign 76.569+/-0.010 χ^2/NDF: 14717992.5/56



Right In: -0.022+/-0.020 χ^2/NDF: 28.1/31

Left Out: -0.064+/-0.022 χ^2/NDF:22.3/23

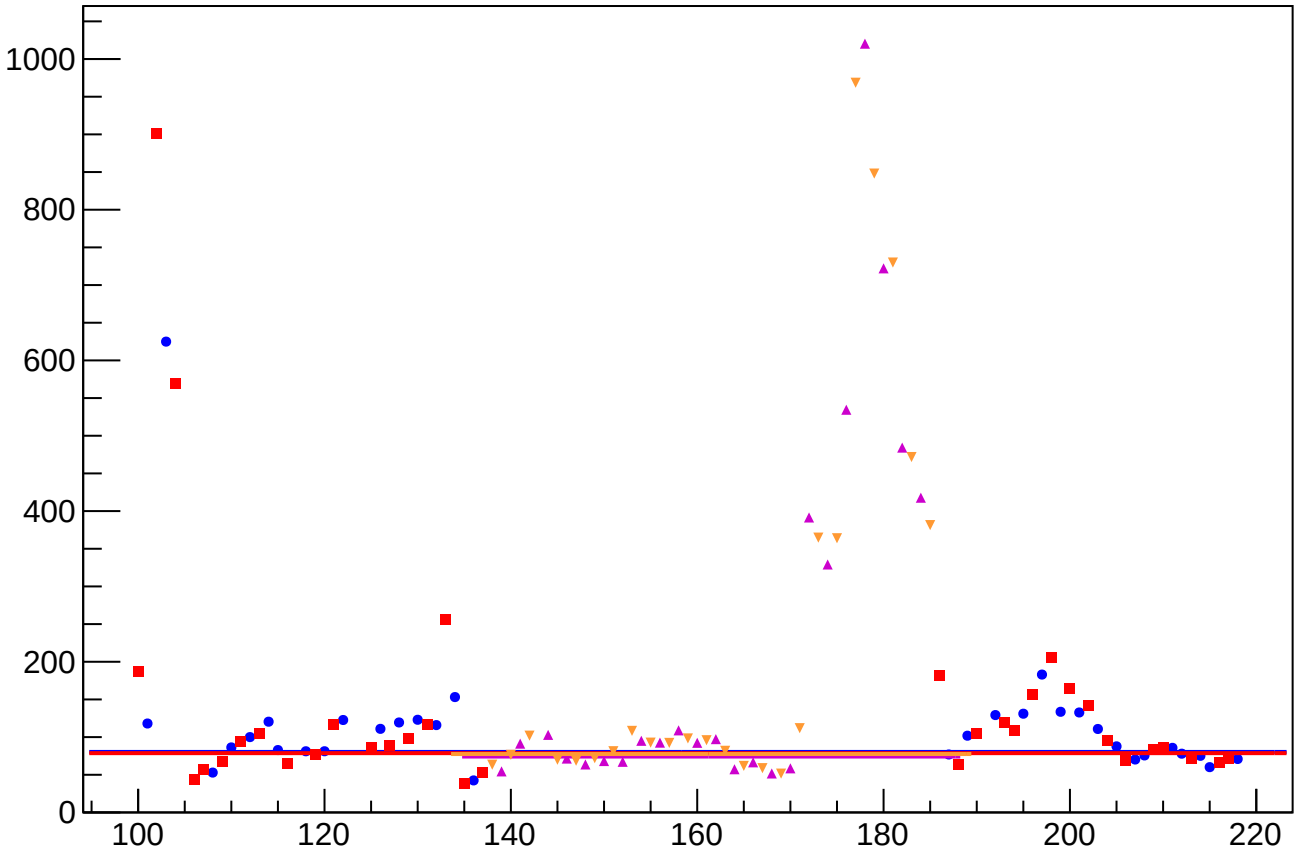
Right Out: 0.035+/-0.020 χ^2/NDF: 26.1/33

Left In: -0.013+/-0.021 χ^2/NDF:15.0/22

+ sign -0.041+/-0.015 χ^2/NDF: 52.4/55

All: -0.014+/-0.010 χ^2/NDF: 102.9/112

- sign 0.013+/-0.015 χ^2/NDF: 43.9/56



Right In: 80.324+/-0.014 χ^2/NDF: 4865460.9/31

Left Out: 77.533+/-0.016 χ^2/NDF:8331194.0/23

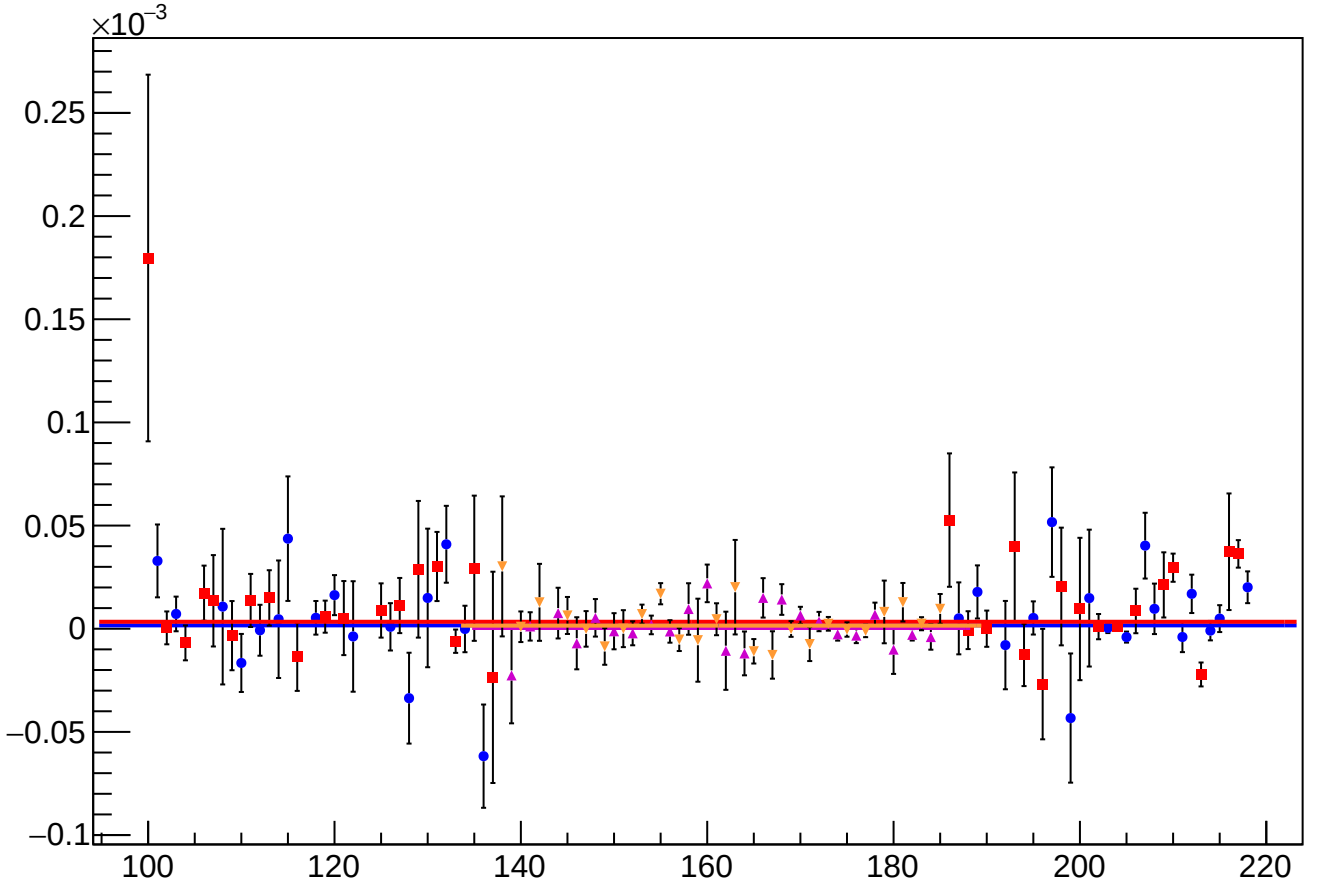
Right Out: 78.715+/-0.014 χ^2/NDF: 6156469.0/33

Left In: 74.216+/-0.015 χ^2/NDF:8514080.5/22

+ sign 79.063+/-0.011 χ^2/NDF: 13214131.7/55

All: 77.793+/-0.007 χ^2/NDF: 27960818.3/112

- sign 76.569+/-0.010 χ^2/NDF: 14717992.5/56



Right In: 0.000+/-0.000 χ^2/NDF: 51.9/31

Left Out: 0.000+/-0.000 χ^2/NDF:27.1/23

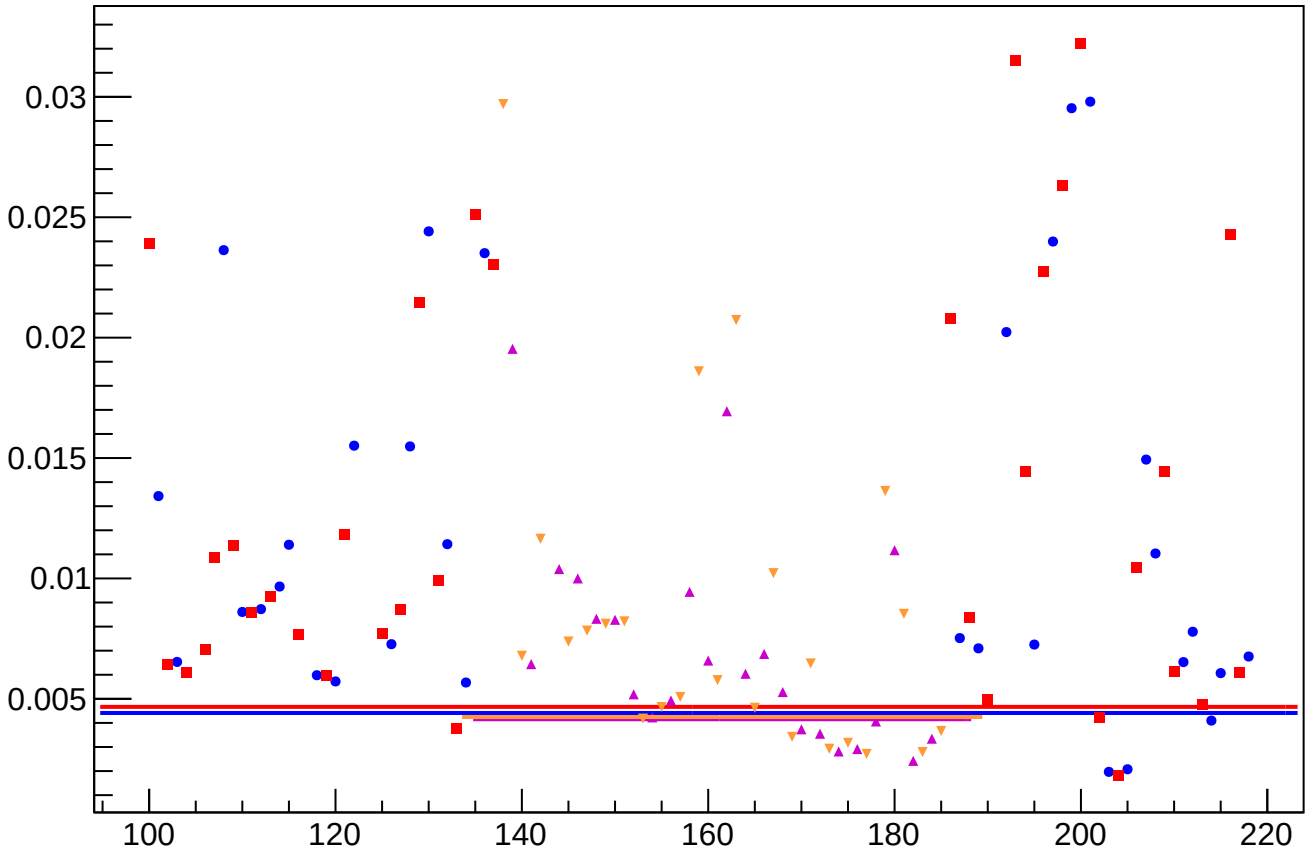
Right Out: 0.000+/-0.000 χ^2/NDF: 85.8/33

Left In: 0.000+/-0.000 χ^2/NDF:24.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 79.0/55

All: 0.000+/-0.000 χ^2/NDF: 192.1/112

- sign 0.000+/-0.000 χ^2/NDF: 113.1/56



Right In: 0.004+/-0.000 χ^2/NDF: 15741083.9/31

Left Out: 0.004+/-0.000 χ^2/NDF:8650909.7/23

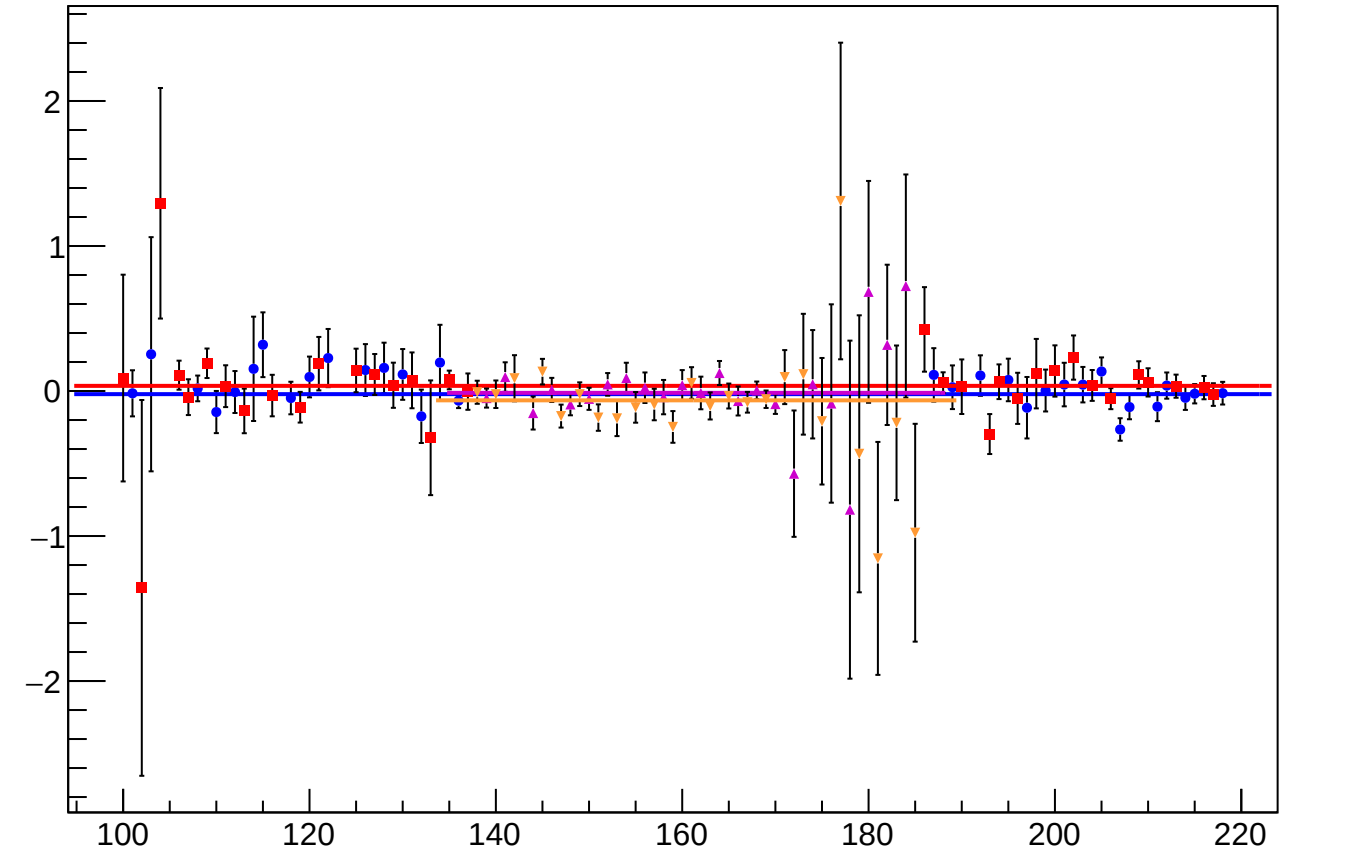
Right Out: 0.005+/-0.000 χ^2/NDF: 15933422.7/33

Left In: 0.004+/-0.000 χ^2/NDF:6886421.5/22

+ sign 0.004+/-0.000 χ^2/NDF: 24409682.3/55

All: 0.004+/-0.000 χ^2/NDF: 47386997.8/112

- sign 0.004+/-0.000 χ^2/NDF: 22974290.3/56



Right In: -0.022+/-0.020 χ^2/NDF: 28.1/31

Left Out: -0.064+/-0.022 χ^2/NDF:22.3/23

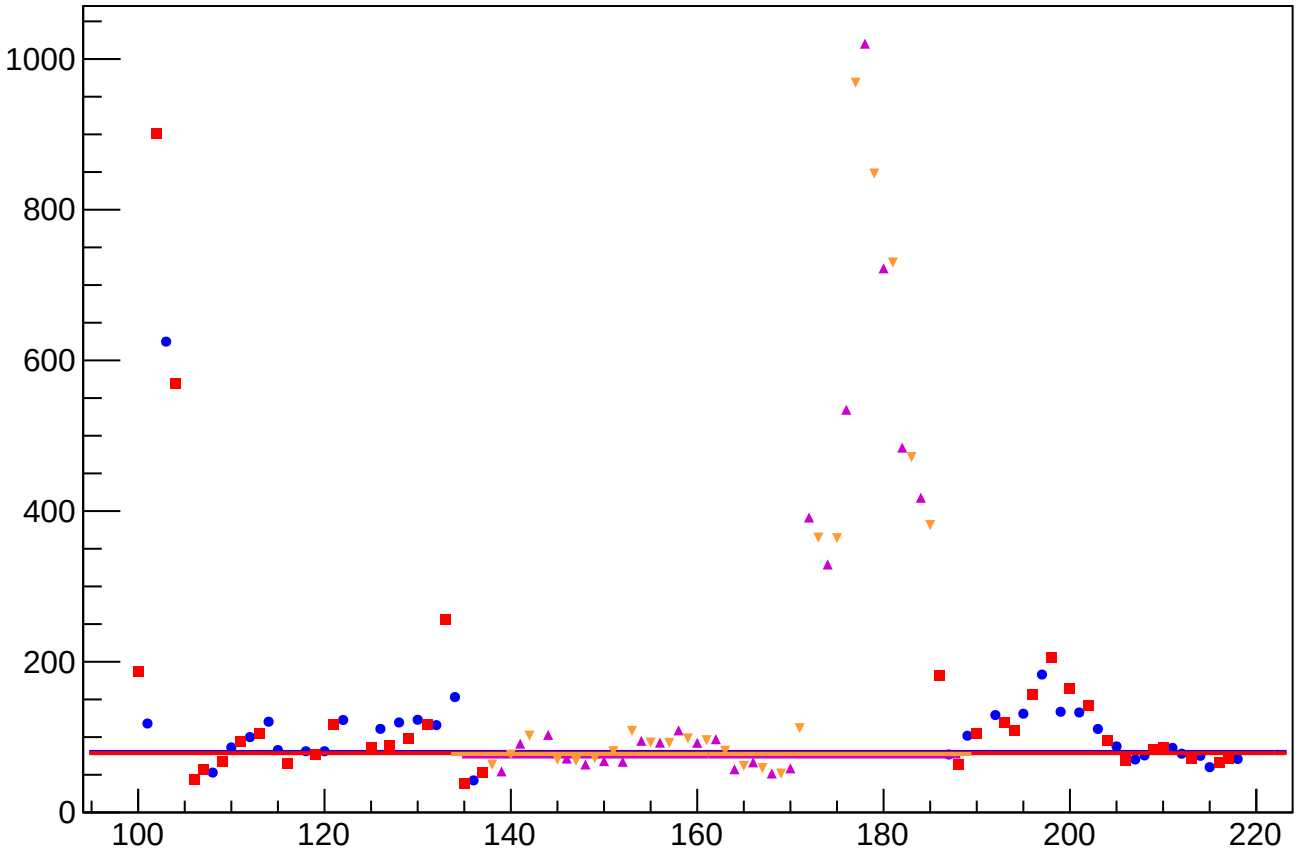
Right Out: 0.036+/-0.020 χ^2/NDF: 26.1/33

Left In: -0.013+/-0.021 χ^2/NDF:15.0/22

+ sign -0.041+/-0.015 χ^2/NDF: 52.4/55

All: -0.014+/-0.010 χ^2/NDF: 102.9/112

- sign 0.013+/-0.015 χ^2/NDF: 43.9/56



Right In: 80.334+/-0.014 χ^2/NDF: 4862553.3/31

Left Out: 77.533+/-0.016 χ^2/NDF:8331106.7/23

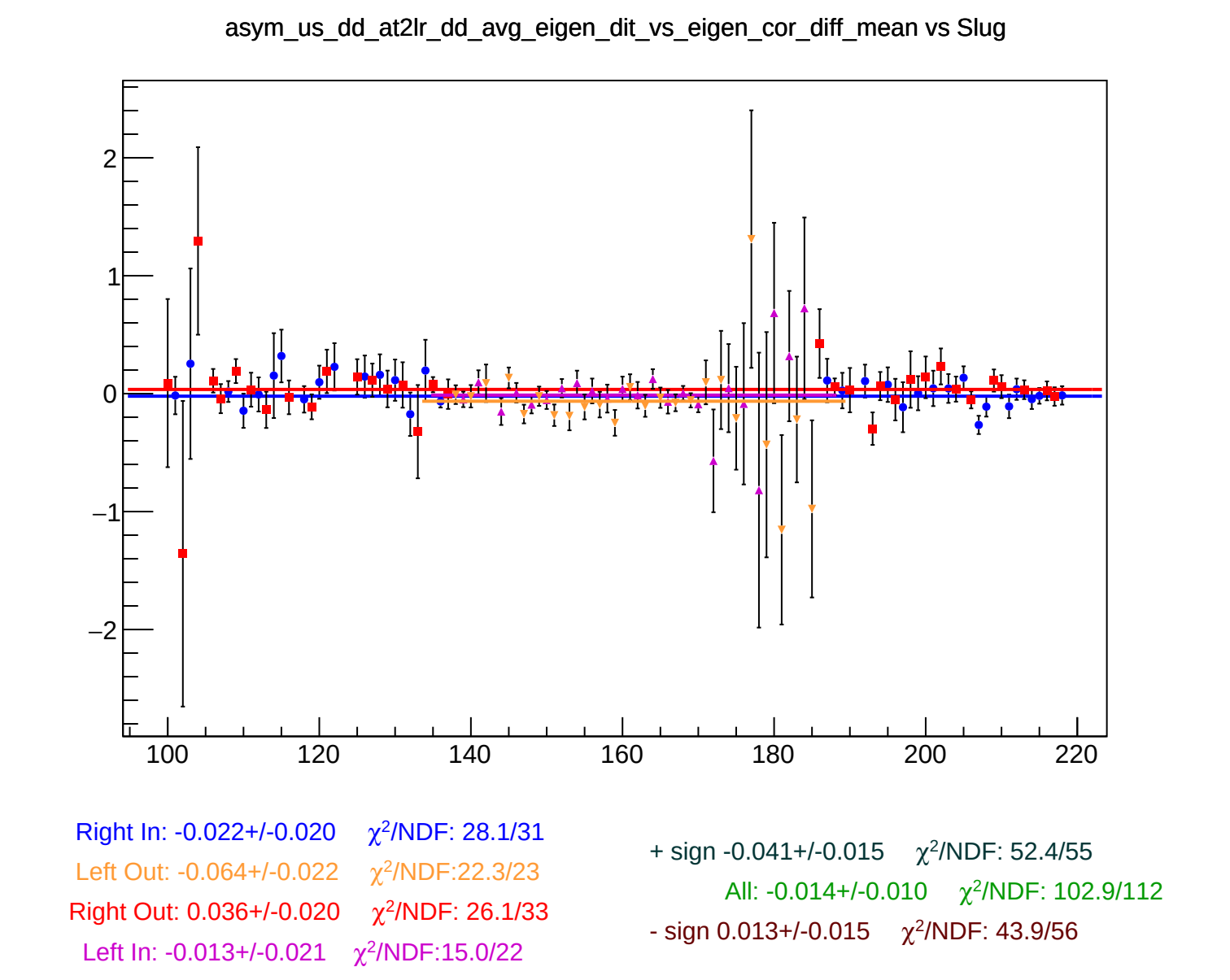
Right Out: 78.711+/-0.014 χ^2/NDF: 6157919.1/33

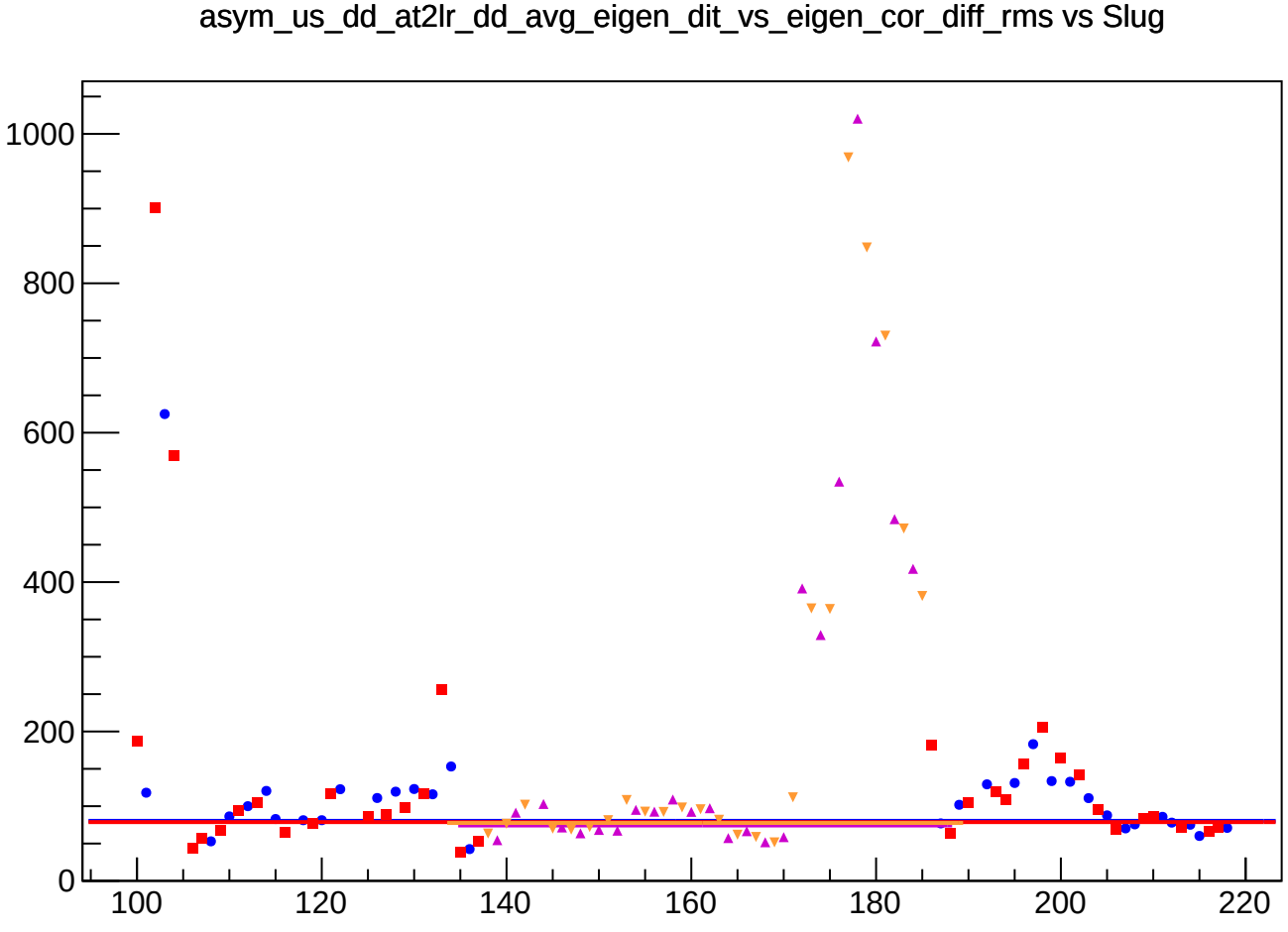
Left In: 74.217+/-0.015 χ^2/NDF:8513791.3/22

+ sign 79.068+/-0.011 χ^2/NDF: 13211265.1/55

All: 77.795+/-0.007 χ^2/NDF: 27959150.0/112

- sign 76.567+/-0.010 χ^2/NDF: 14719031.8/56


asym_us_dd_at2lr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug
2
1
0
−1
−2
100
120
140
160
180
200
220
Right In: -0.022+/-0.020 χ²/NDF: 28.1/31
Left Out: -0.064+/-0.022 χ²/NDF:22.3/23
Right Out: 0.036+/-0.020 χ²/NDF: 26.1/33
Left In: -0.013+/-0.021 χ²/NDF:15.0/22
+ sign -0.041+/-0.015 χ²/NDF: 52.4/55
All: -0.014+/-0.010 χ²/NDF: 102.9/112
- sign 0.013+/-0.015 χ²/NDF: 43.9/56



Right In: 80.334+/-0.014 χ^2/NDF: 4862553.3/31

Left Out: 77.533+/-0.016 χ^2/NDF:8331106.7/23

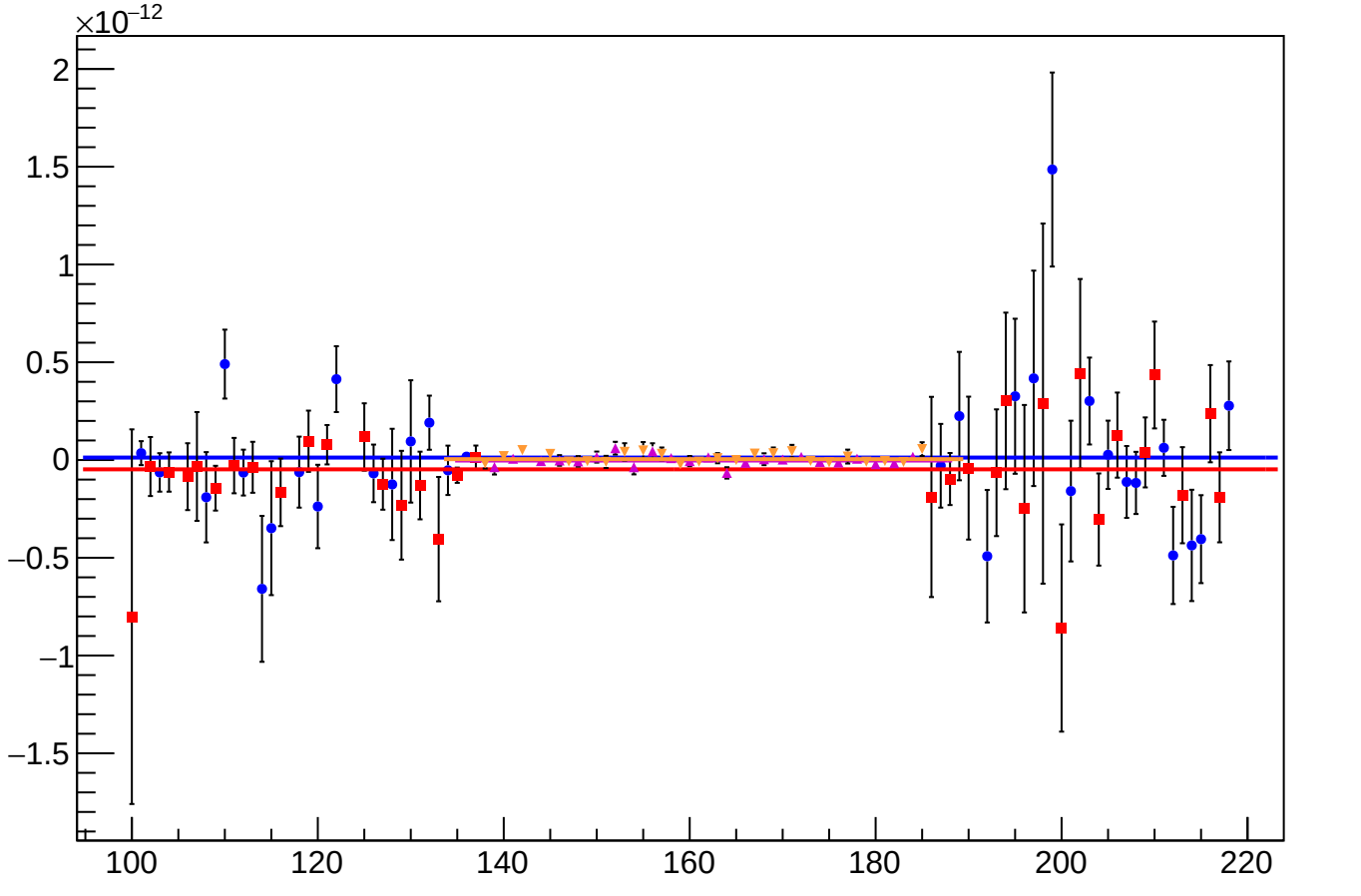
Right Out: 78.711+/-0.014 χ^2/NDF: 6157919.1/33

Left In: 74.217+/-0.015 χ^2/NDF:8513791.3/22

+ sign 79.068+/-0.011 χ^2/NDF: 13211265.1/55

All: 77.795+/-0.007 χ^2/NDF: 27959150.0/112

- sign 76.567+/-0.010 χ^2/NDF: 14719031.8/56



Right In: 0.000+/-0.000 χ^2/NDF: 50.6/31

Left Out: 0.000+/-0.000 χ^2/NDF:21.7/23

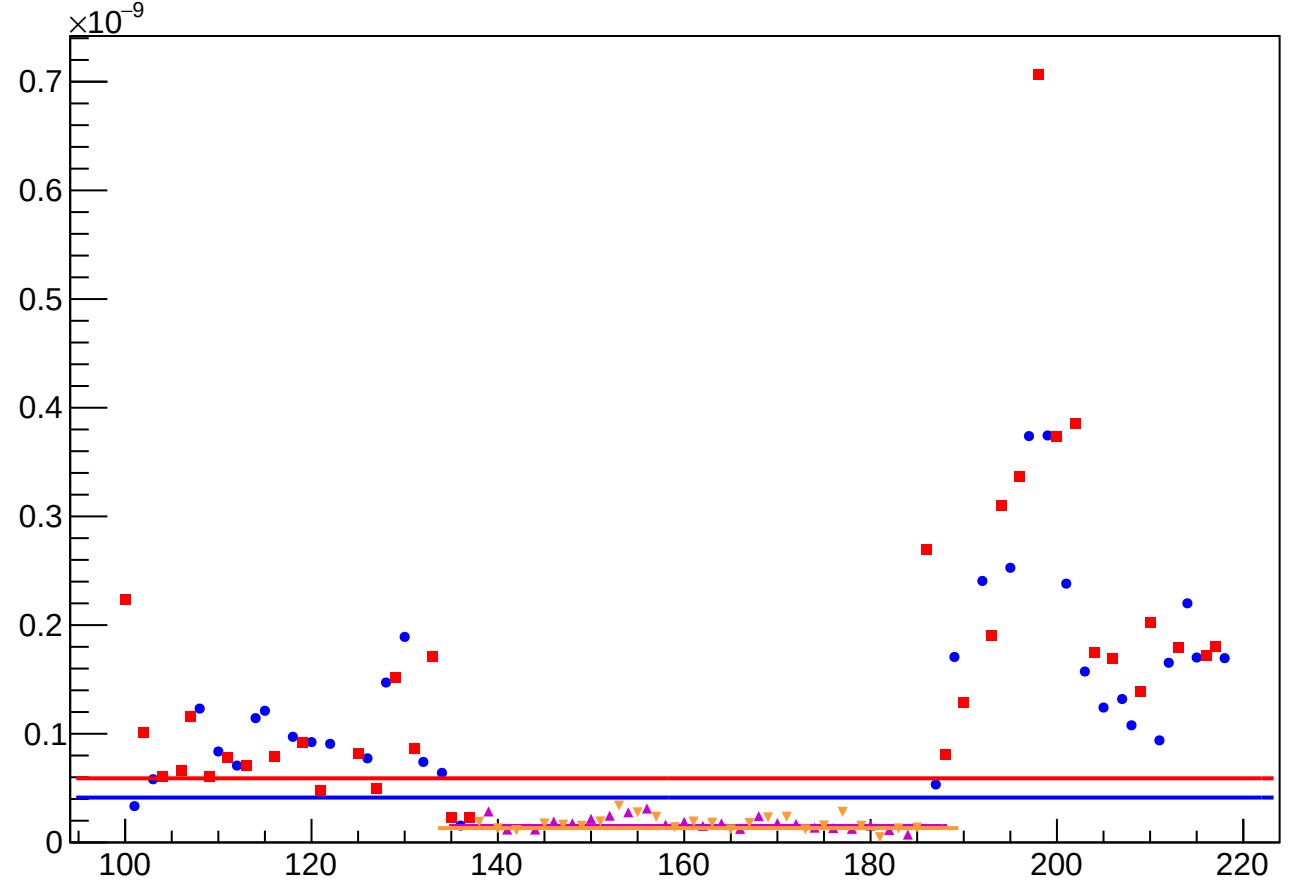
Right Out: -0.000+/-0.000 χ^2/NDF: 20.7/33

Left In: -0.000+/-0.000 χ^2/NDF:17.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 72.5/55

All: 0.000+/-0.000 χ^2/NDF: 116.5/112

- sign -0.000+/-0.000 χ^2/NDF: 41.9/56



Right In: 0.000+/-0.000 χ^2/NDF: 13280001.9/31

Left Out: 0.000+/-0.000 χ^2/NDF:4237321.5/23

Right Out: 0.000+/-0.000 χ^2/NDF: 11447966.8/33

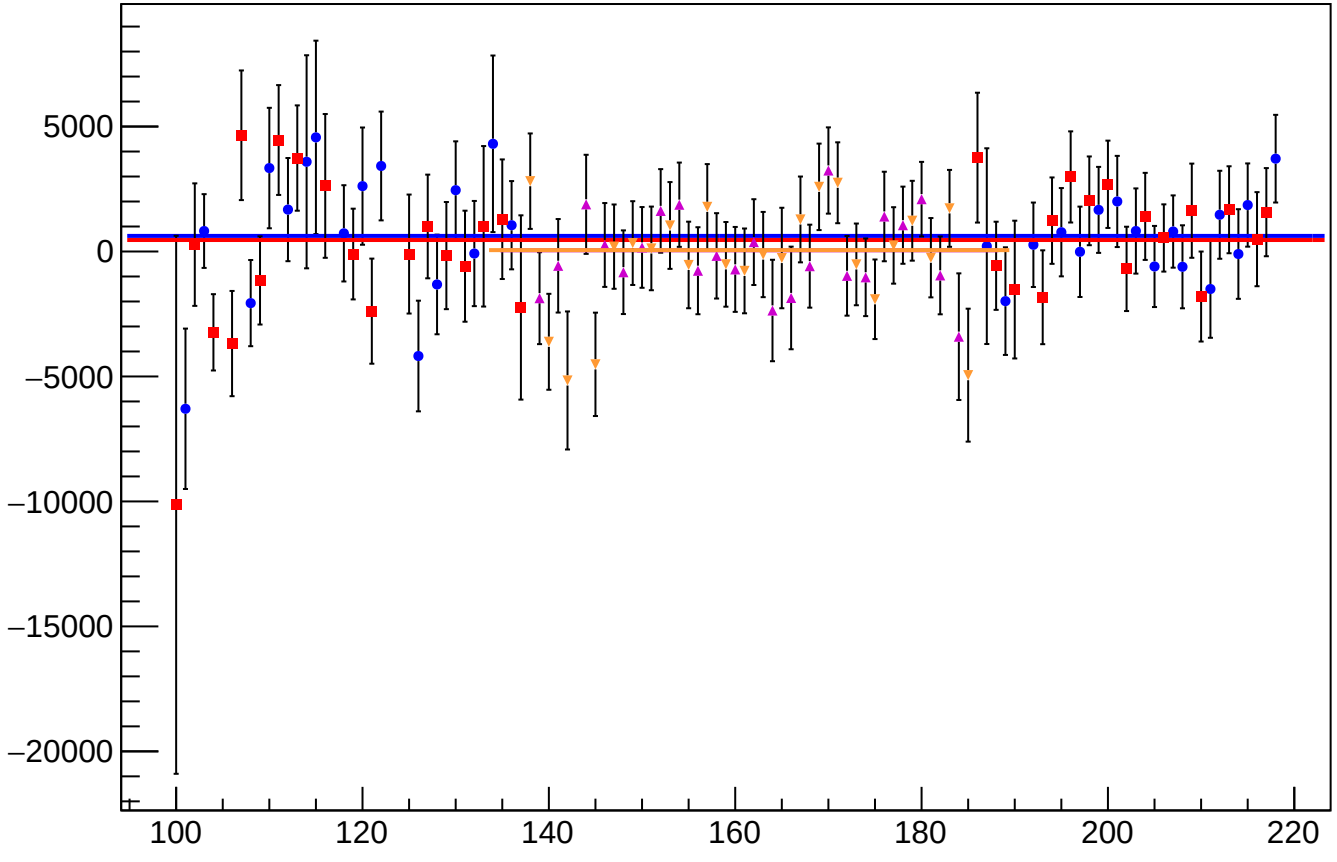
Left In: 0.000+/-0.000 χ^2/NDF:2148796.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 21960358.2/55

All: 0.000+/-0.000 χ^2/NDF: 42669687.7/112

- sign 0.000+/-0.000 χ^2/NDF: 20474619.2/56

reg_asym_us_dd_at2lr_dd_dd_mean vs Slug



Right In: 624.143+/-343.588 χ^2/NDF: 29.3/31

Left Out: 54.770+/-356.375 χ^2/NDF:28.5/23

Right Out: 459.435+/-343.391 χ^2/NDF: 35.6/33

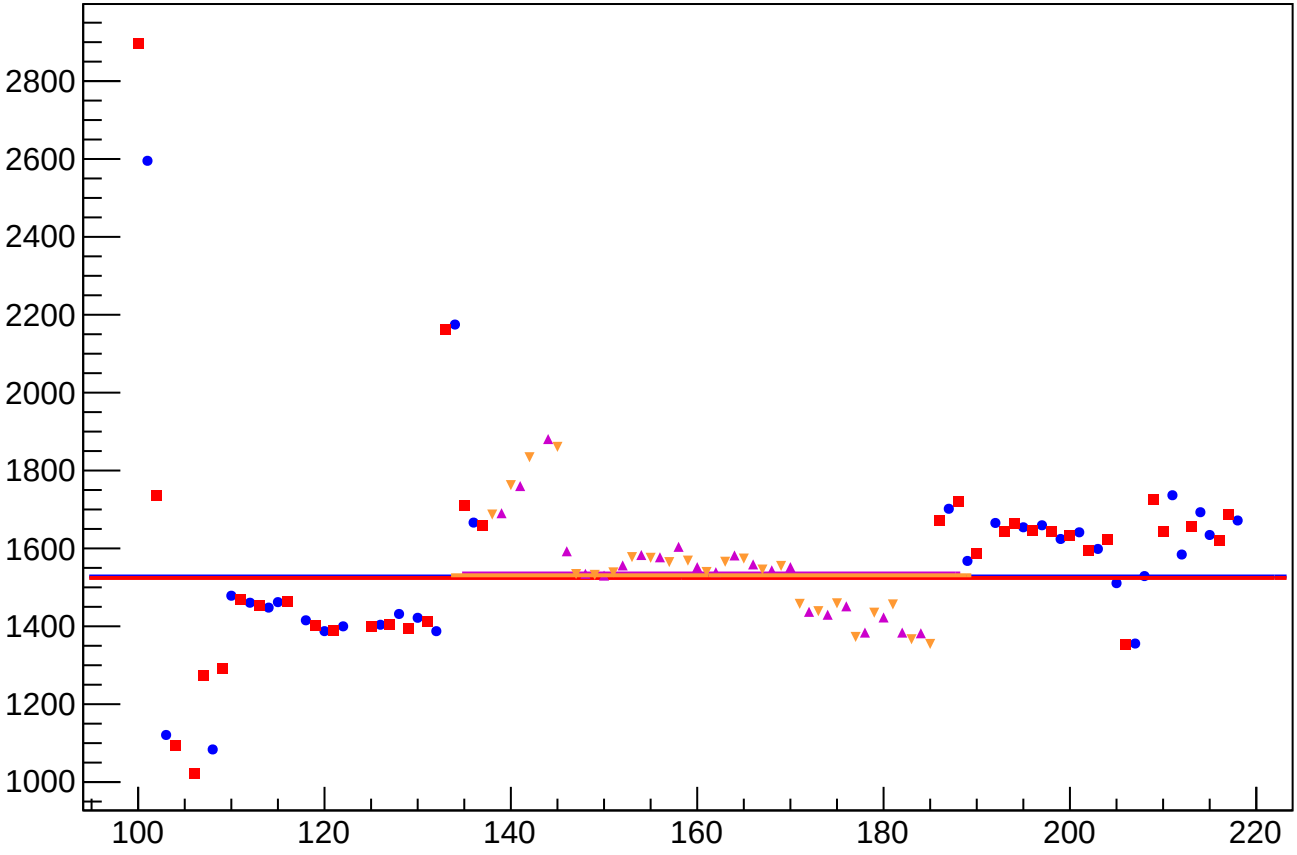
Left In: 48.177+/-359.531 χ^2/NDF:16.8/22

+ sign 349.854+/-247.350 χ^2/NDF: 59.1/55

All: 306.719+/-175.246 χ^2/NDF: 112.2/112

- sign 263.243+/-248.324 χ^2/NDF: 53.1/56

reg_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1527.844+/-0.243 χ^2/NDF: 784628.6/31

Left Out: 1530.976+/-0.252 χ^2/NDF:203539.8/23

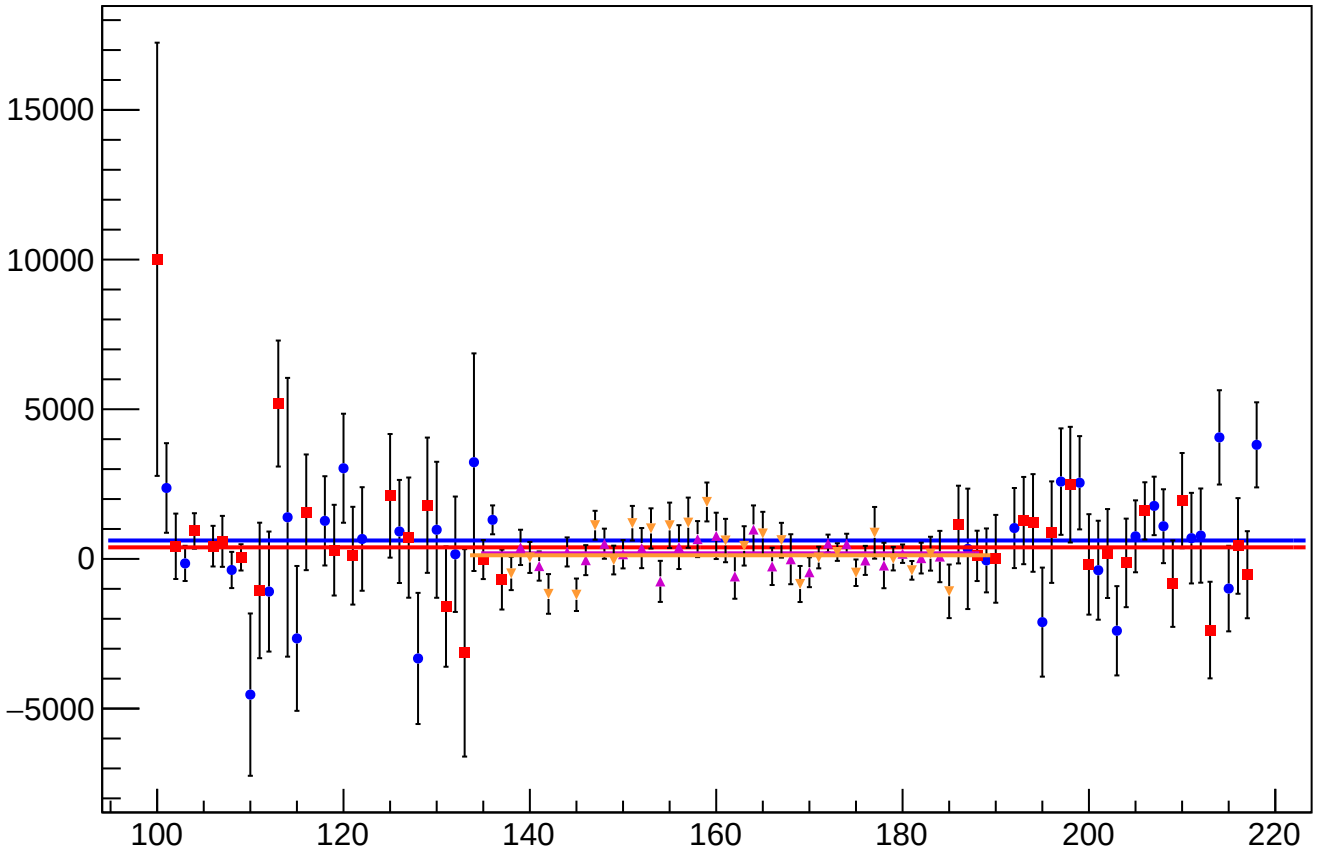
Right Out: 1524.191+/-0.243 χ^2/NDF: 701038.0/33

Left In: 1535.551+/-0.254 χ^2/NDF:192432.7/22

+ sign 1529.353+/-0.175 χ^2/NDF: 988248.3/55

All: 1529.481+/-0.124 χ^2/NDF: 1882764.2/11

- sign 1529.610+/-0.176 χ^2/NDF: 894514.8/56



Right In: 615.815+/-216.736 χ^2/NDF: 42.4/31

Left Out: 121.327+/-105.060 χ^2/NDF:43.6/23

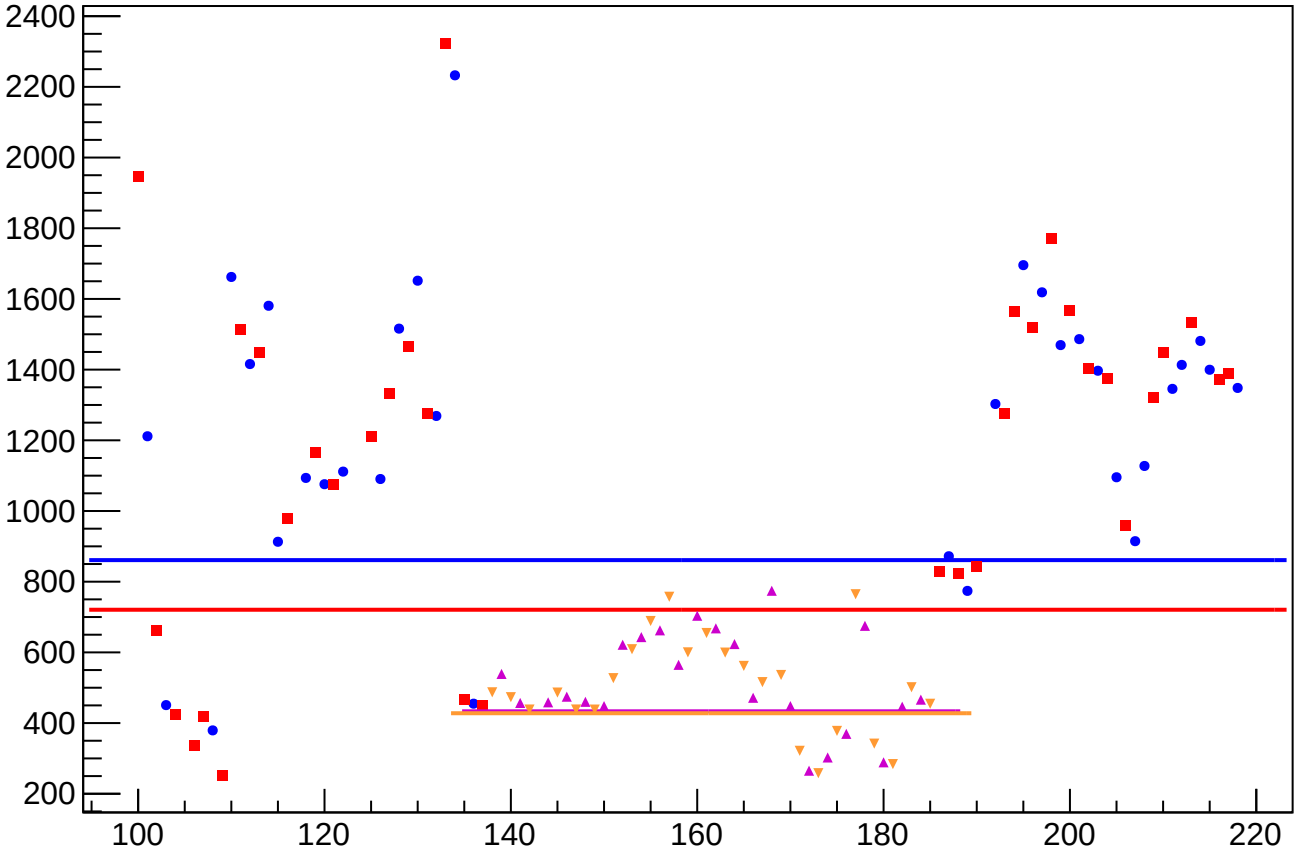
Right Out: 386.413+/-193.458 χ^2/NDF: 23.2/33

Left In: 186.828+/-106.975 χ^2/NDF:11.6/22

+ sign 215.410+/-94.538 χ^2/NDF: 90.2/55

All: 224.576+/-66.520 χ^2/NDF: 125.9/112

- sign 233.564+/-93.616 χ^2/NDF: 35.7/56



Right In: 861.033+/-0.153 χ^2/NDF: 8412267.7/31

Left Out: 427.814+/-0.074 χ^2/NDF:3188159.5/23

Right Out: 720.635+/-0.137 χ^2/NDF: 11481056.2/33

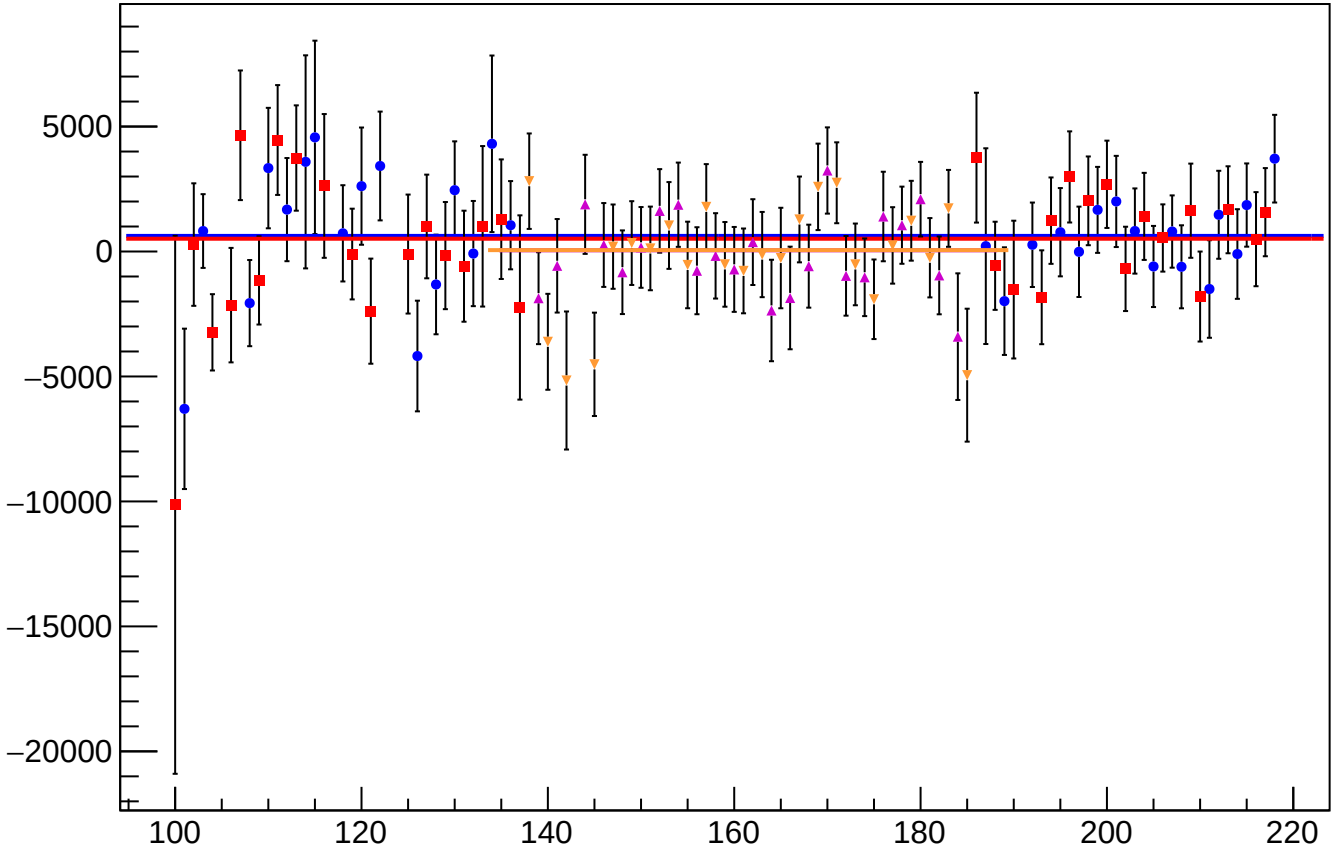
Left In: 433.283+/-0.076 χ^2/NDF:3247998.9/22

+ sign 510.240+/-0.067 χ^2/NDF: 18070772.2/55

All: 505.359+/-0.047 χ^2/NDF: 36189613.4/11

- sign 500.572+/-0.066 χ^2/NDF: 18108280.0/56

cor_asym_us_dd_at2lr_dd_dd_mean vs Slug



Right In: 624.180+/-343.588 χ^2/NDF: 29.3/31

Left Out: 54.734+/-356.375 χ^2/NDF:28.5/23

Right Out: 511.389+/-344.100 χ^2/NDF: 33.0/33

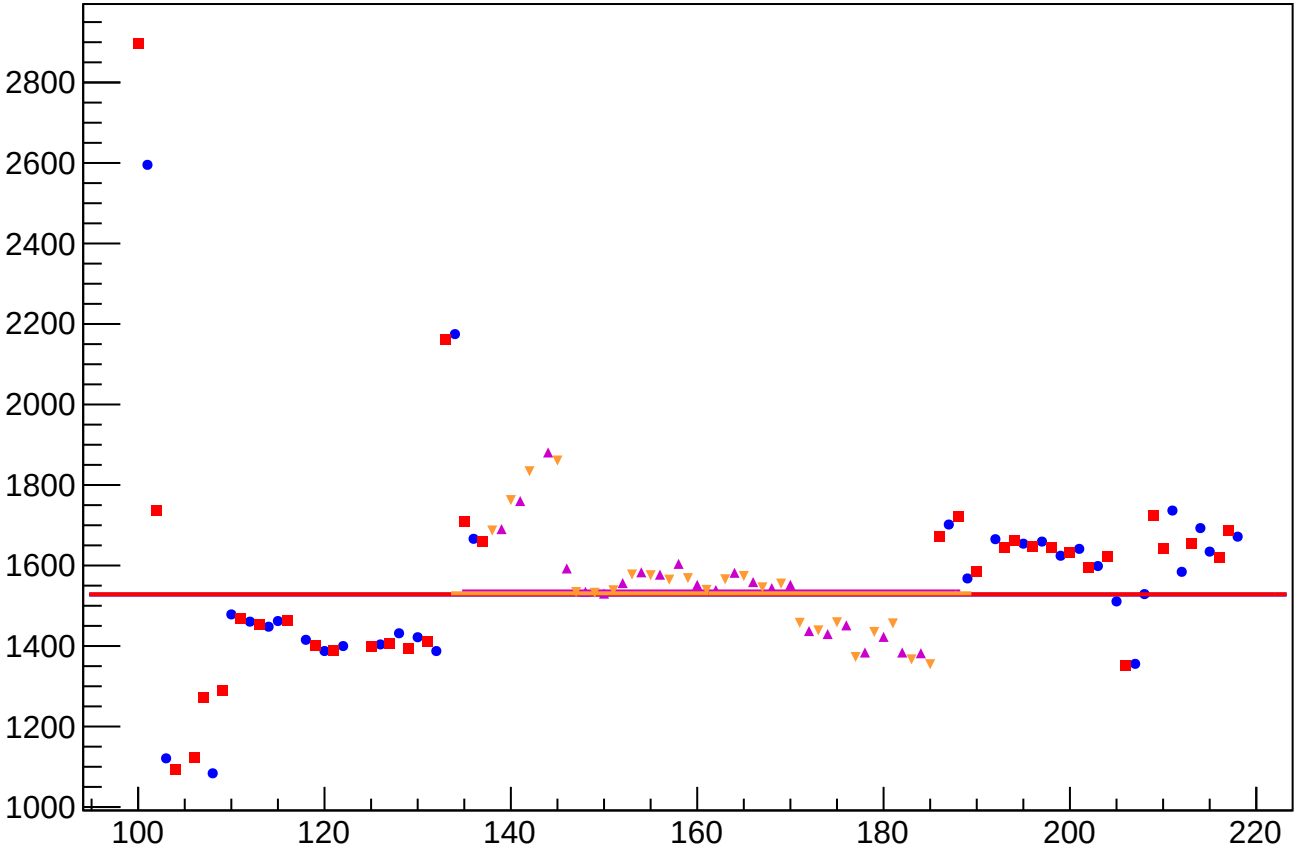
Left In: 48.256+/-359.531 χ^2/NDF:16.8/22

+ sign 349.856+/-247.350 χ^2/NDF: 59.1/55

All: 320.065+/-175.340 χ^2/NDF: 109.8/112

- sign 289.974+/-248.592 χ^2/NDF: 50.6/56

cor_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1527.844+/-0.243 χ^2/NDF: 784628.9/31

Left Out: 1530.976+/-0.252 χ^2/NDF:203539.7/23

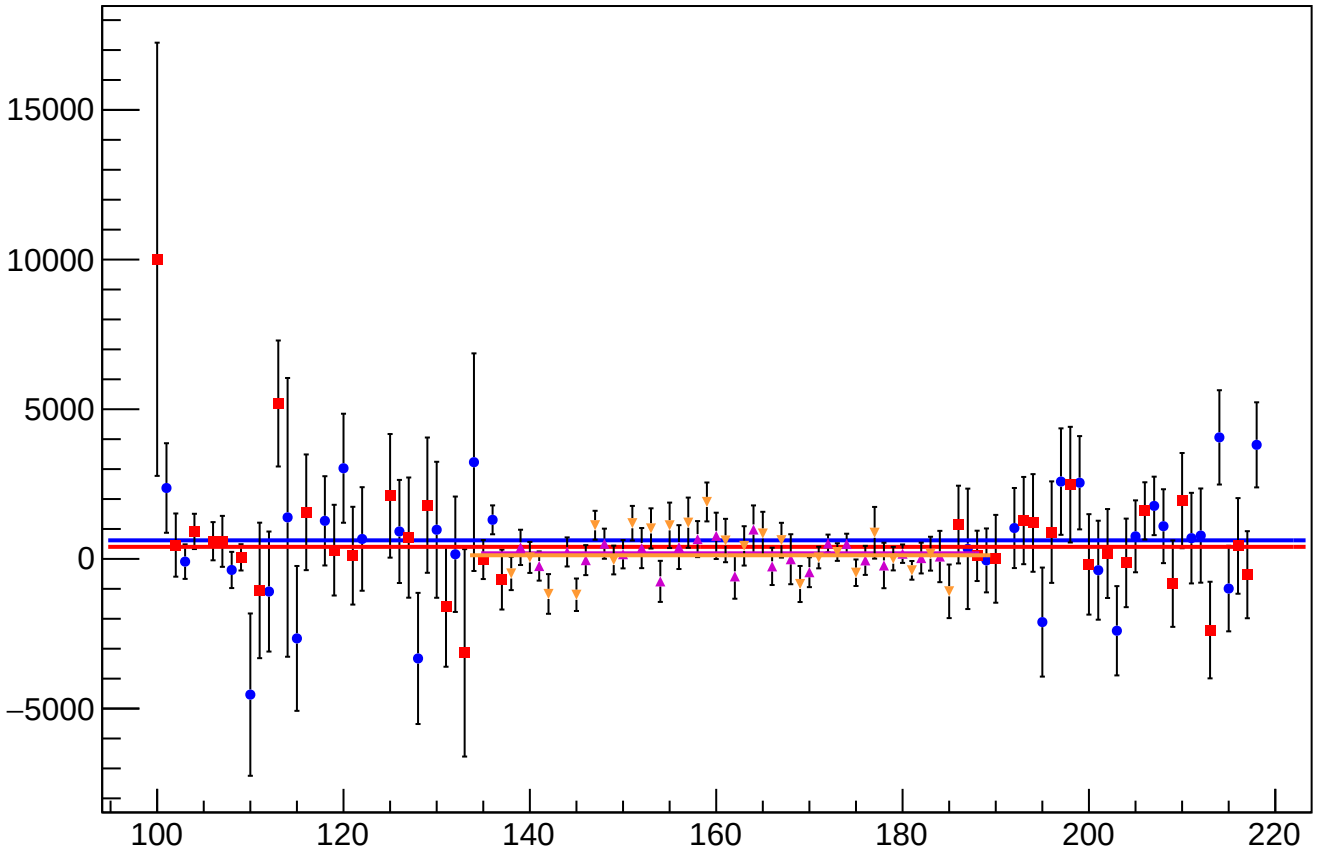
Right Out: 1528.503+/-0.243 χ^2/NDF: 648991.4/33

Left In: 1535.551+/-0.254 χ^2/NDF:192432.7/22

+ sign 1529.353+/-0.175 χ^2/NDF: 988248.7/55

All: 1530.606+/-0.124 χ^2/NDF: 1830177.2/11

- sign 1531.872+/-0.176 χ^2/NDF: 841825.2/56



Right In: 620.222+/-216.162 χ^2/NDF: 42.2/31

Left Out: 121.325+/-105.060 χ^2/NDF:43.7/23

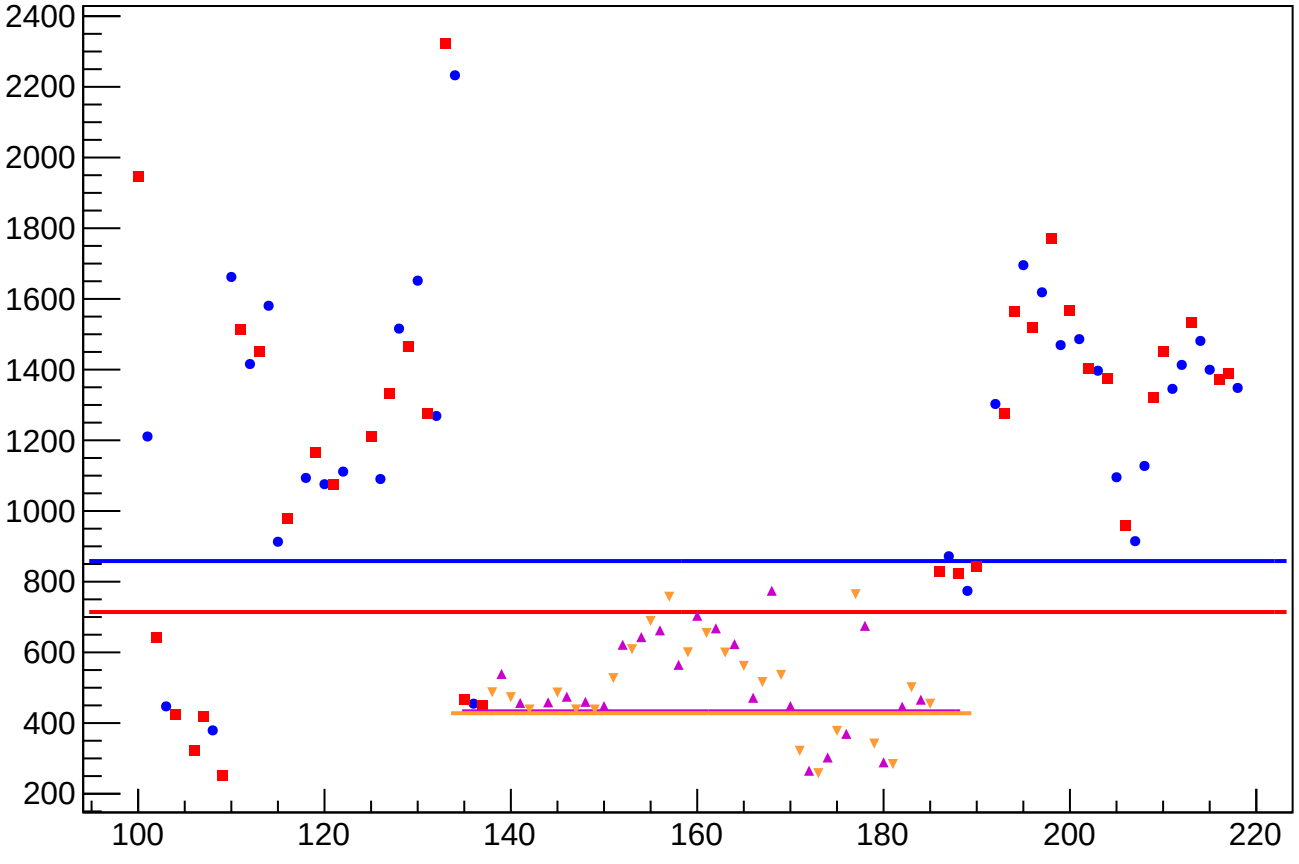
Right Out: 402.387+/-192.096 χ^2/NDF: 23.3/33

Left In: 187.037+/-106.975 χ^2/NDF:11.6/22

+ sign 216.656+/-94.491 χ^2/NDF: 90.2/55

All: 227.451+/-66.448 χ^2/NDF: 126.0/112

- sign 238.013+/-93.460 χ^2/NDF: 35.8/56



Right In: 858.365+/-0.153 χ^2/NDF: 8467285.0/31

Left Out: 427.814+/-0.074 χ^2/NDF:3188396.1/23

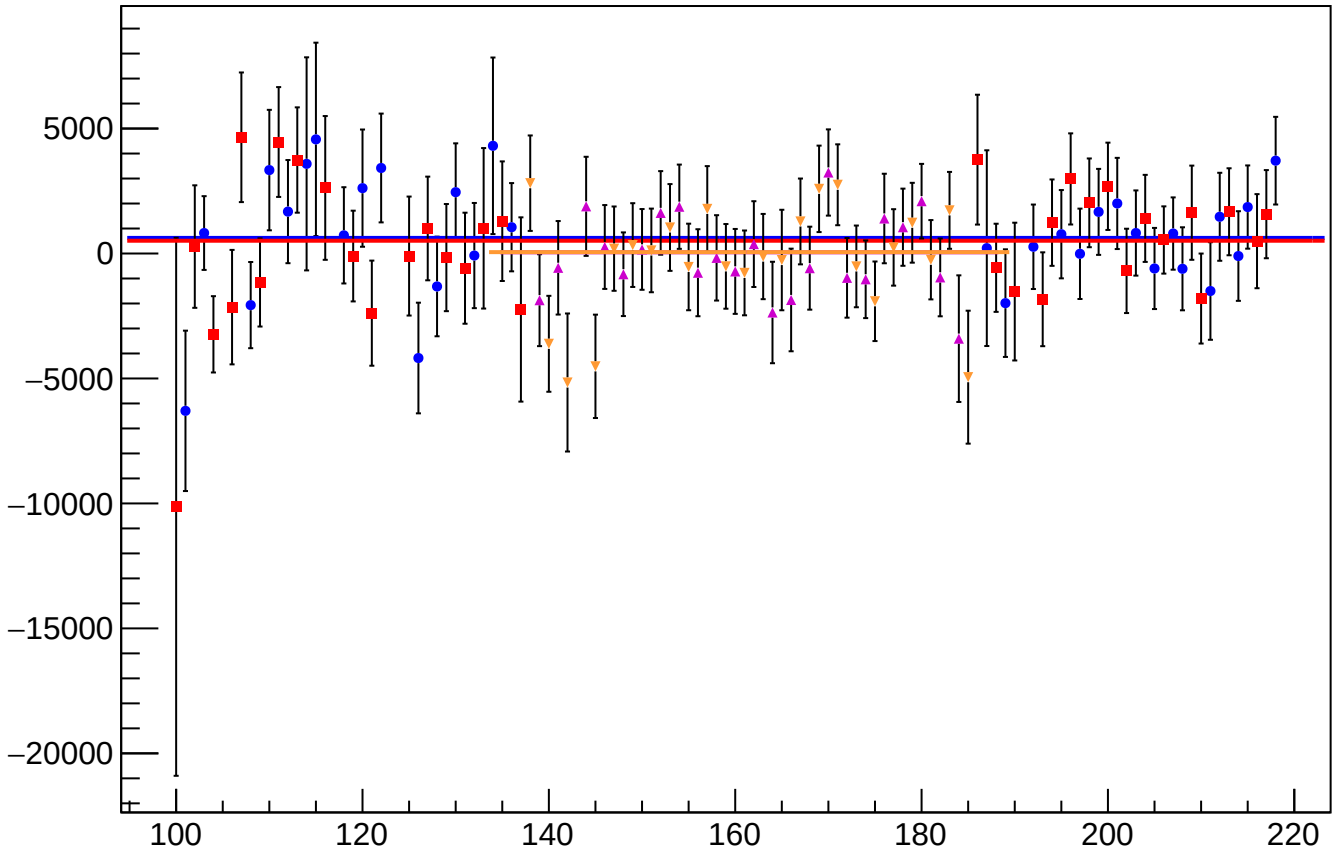
Right Out: 714.197+/-0.136 χ^2/NDF: 11624956.3/33

Left In: 433.285+/-0.076 χ^2/NDF:3247871.5/22

+ sign 510.085+/-0.067 χ^2/NDF: 18074024.4/55

All: 504.876+/-0.047 χ^2/NDF: 36223430.0/11

- sign 499.780+/-0.066 χ^2/NDF: 18137383.1/56



Right In: 624.180+/-343.588 χ^2/NDF: 29.3/31

Left Out: 54.734+/-356.375 χ^2/NDF:28.5/23

Right Out: 511.389+/-344.100 χ^2/NDF: 33.0/33

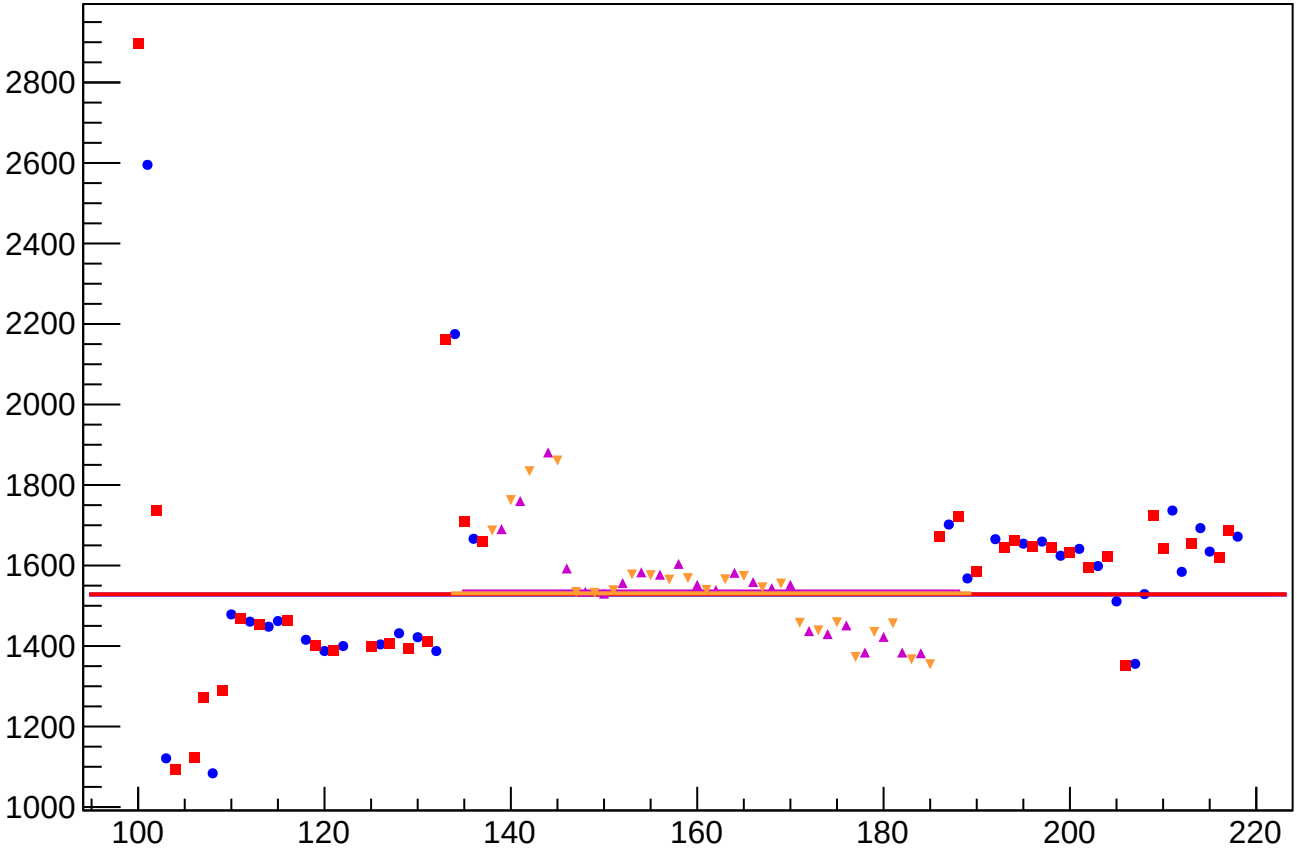
Left In: 48.256+/-359.531 χ^2/NDF:16.8/22

+ sign 349.856+/-247.350 χ^2/NDF: 59.1/55

All: 320.065+/-175.340 χ^2/NDF: 109.8/112

- sign 289.974+/-248.592 χ^2/NDF: 50.6/56

eigen_cor_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1527.844+/-0.243 χ^2/NDF: 784628.9/31

Left Out: 1530.976+/-0.252 χ^2/NDF:203539.7/23

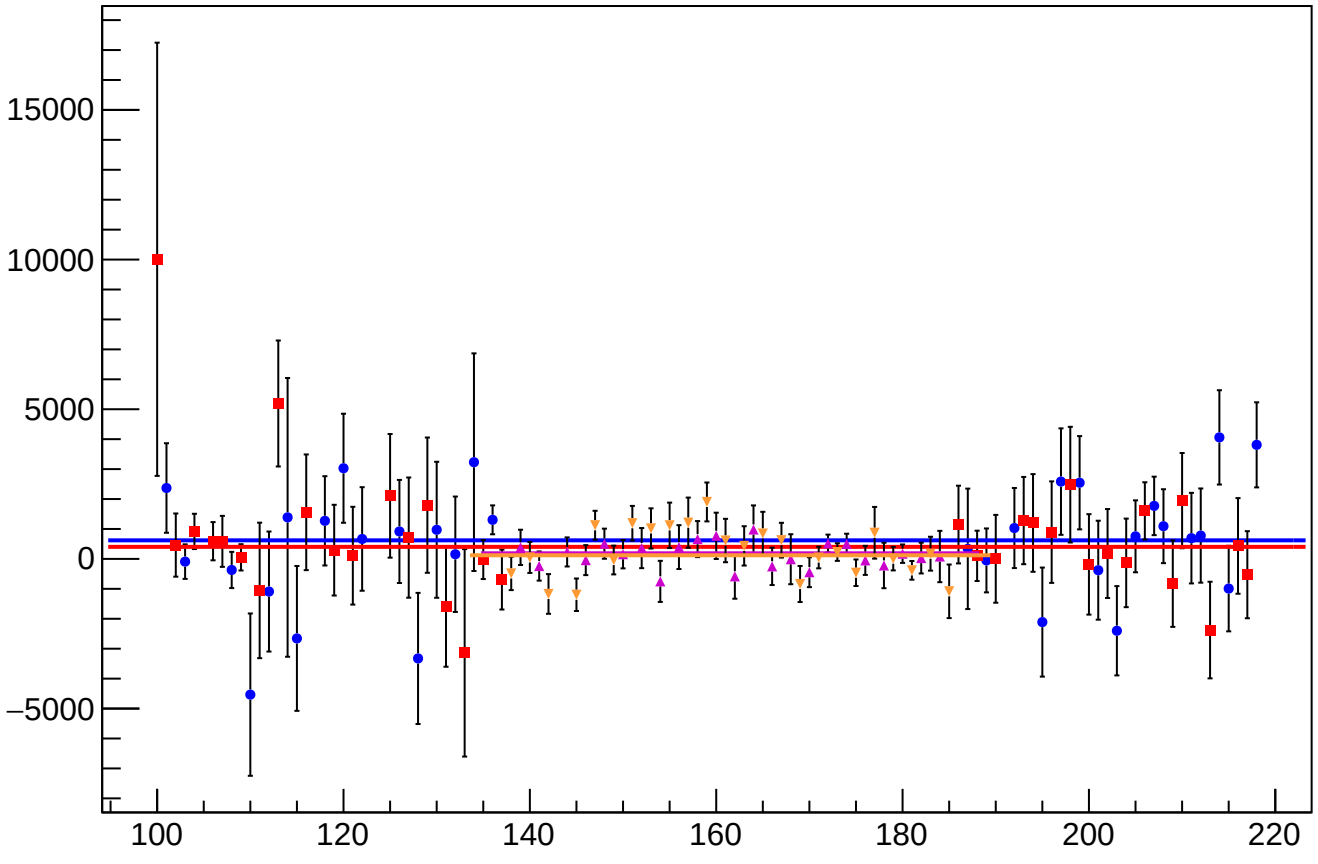
Right Out: 1528.503+/-0.243 χ^2/NDF: 648991.4/33

Left In: 1535.551+/-0.254 χ^2/NDF:192432.7/22

+ sign 1529.353+/-0.175 χ^2/NDF: 988248.7/55

All: 1530.606+/-0.124 χ^2/NDF: 1830177.2/11

- sign 1531.872+/-0.176 χ^2/NDF: 841825.2/56



Right In: 620.222+/-216.162 χ^2/NDF: 42.2/31

Left Out: 121.325+/-105.060 χ^2/NDF:43.7/23

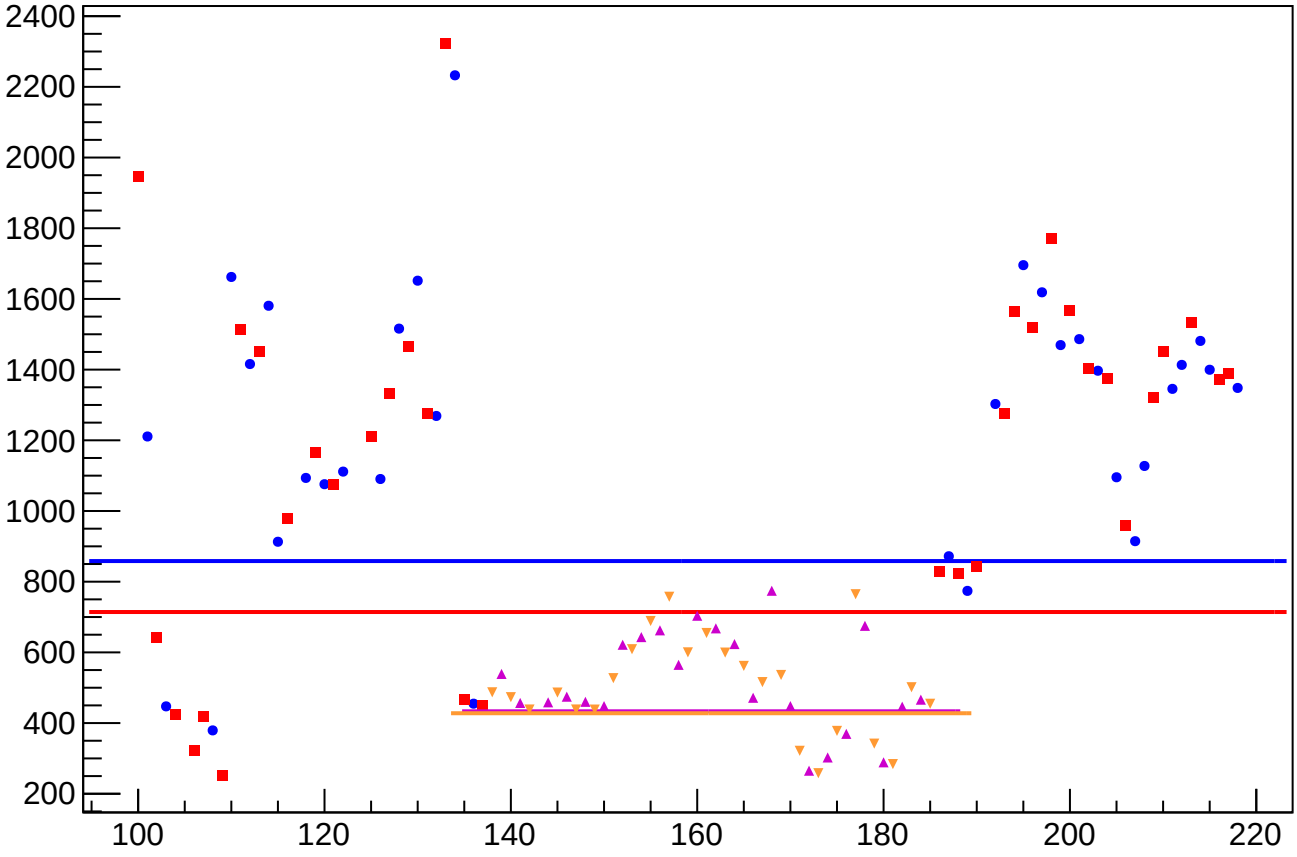
Right Out: 402.387+/-192.096 χ^2/NDF: 23.3/33

Left In: 187.037+/-106.975 χ^2/NDF:11.6/22

+ sign 216.656+/-94.491 χ^2/NDF: 90.2/55

All: 227.451+/-66.448 χ^2/NDF: 126.0/112

- sign 238.013+/-93.460 χ^2/NDF: 35.8/56



Right In: 858.365+/-0.153 χ^2/NDF: 8467285.0/31

Left Out: 427.814+/-0.074 χ^2/NDF:3188396.1/23

Right Out: 714.197+/-0.136 χ^2/NDF: 11624956.3/33

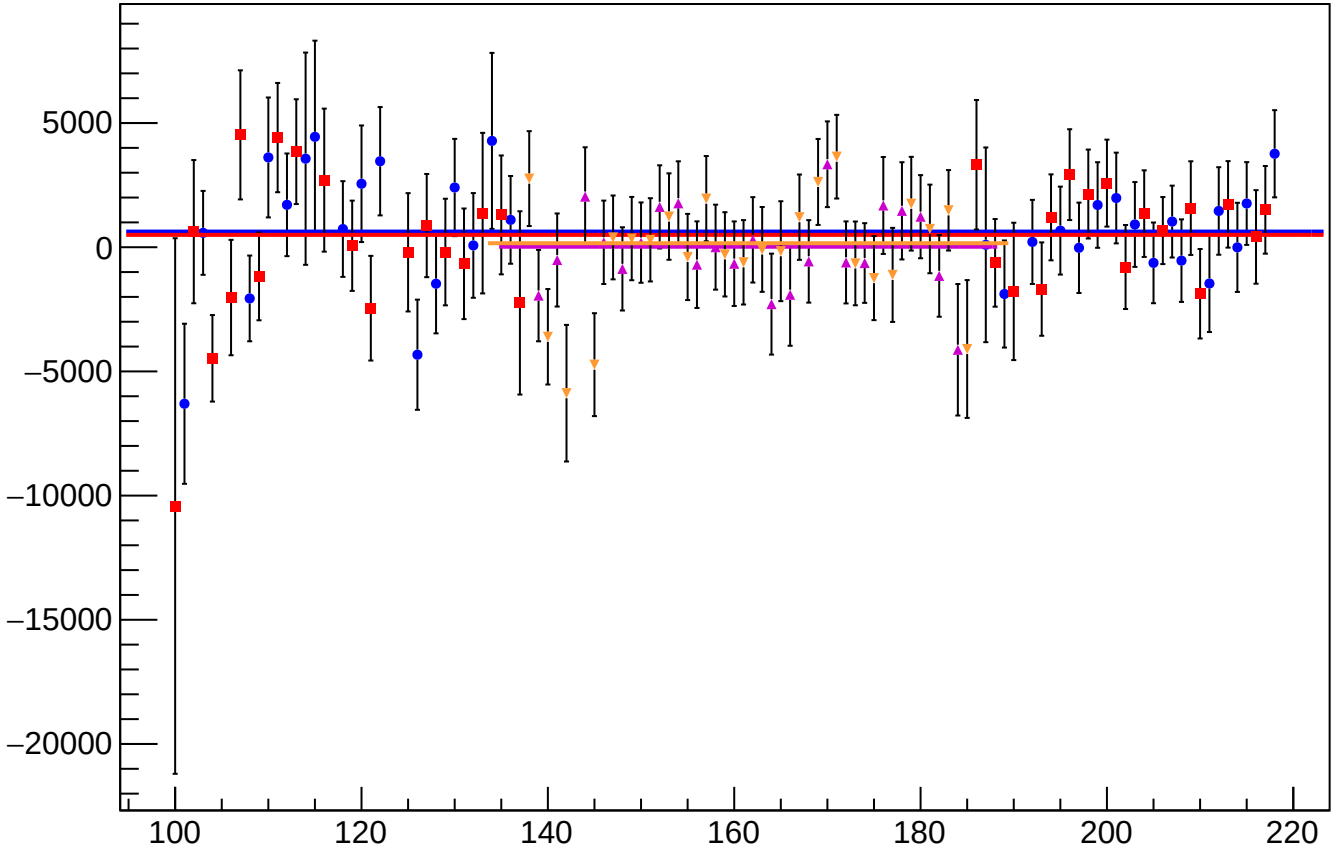
Left In: 433.285+/-0.076 χ^2/NDF:3247871.5/22

+ sign 510.085+/-0.067 χ^2/NDF: 18074024.4/55

All: 504.876+/-0.047 χ^2/NDF: 36223430.0/11

- sign 499.780+/-0.066 χ^2/NDF: 18137383.1/56

dit_asym_us_dd_at2lr_dd_dd_mean vs Slug



Right In: 630.518+/-346.318 χ^2/NDF: 29.6/31

Left Out: 161.591+/-368.366 χ^2/NDF:29.9/23

Right Out: 497.658+/-347.835 χ^2/NDF: 34.7/33

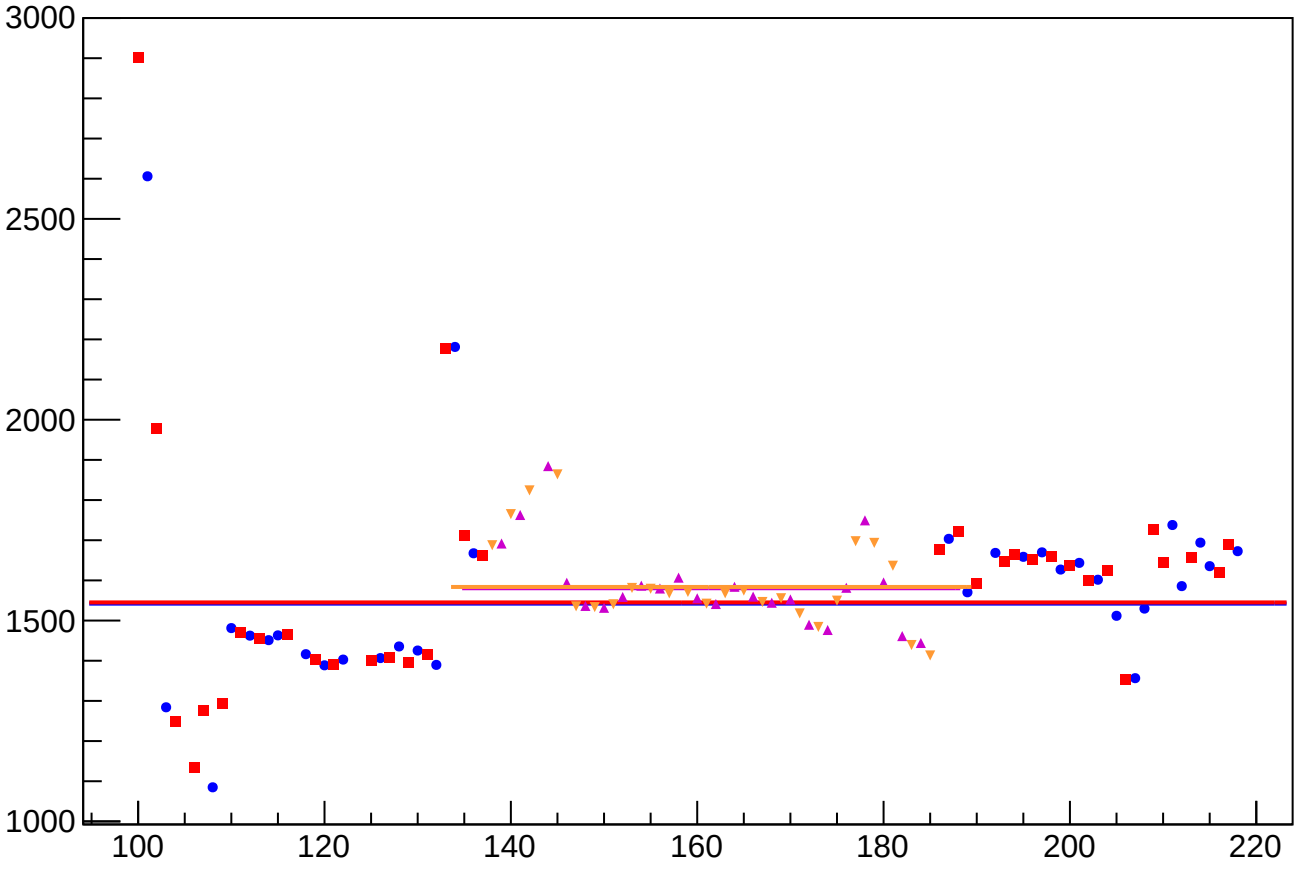
Left In: 20.252+/-369.781 χ^2/NDF:16.0/22

+ sign 410.507+/-252.318 χ^2/NDF: 60.4/55

All: 342.306+/-178.783 χ^2/NDF: 112.1/112

- sign 273.541+/-253.360 χ^2/NDF: 51.6/56

dit_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1542.132+/-0.245 χ^2/NDF: 675626.6/31

Left Out: 1583.673+/-0.260 χ^2/NDF:133583.1/23

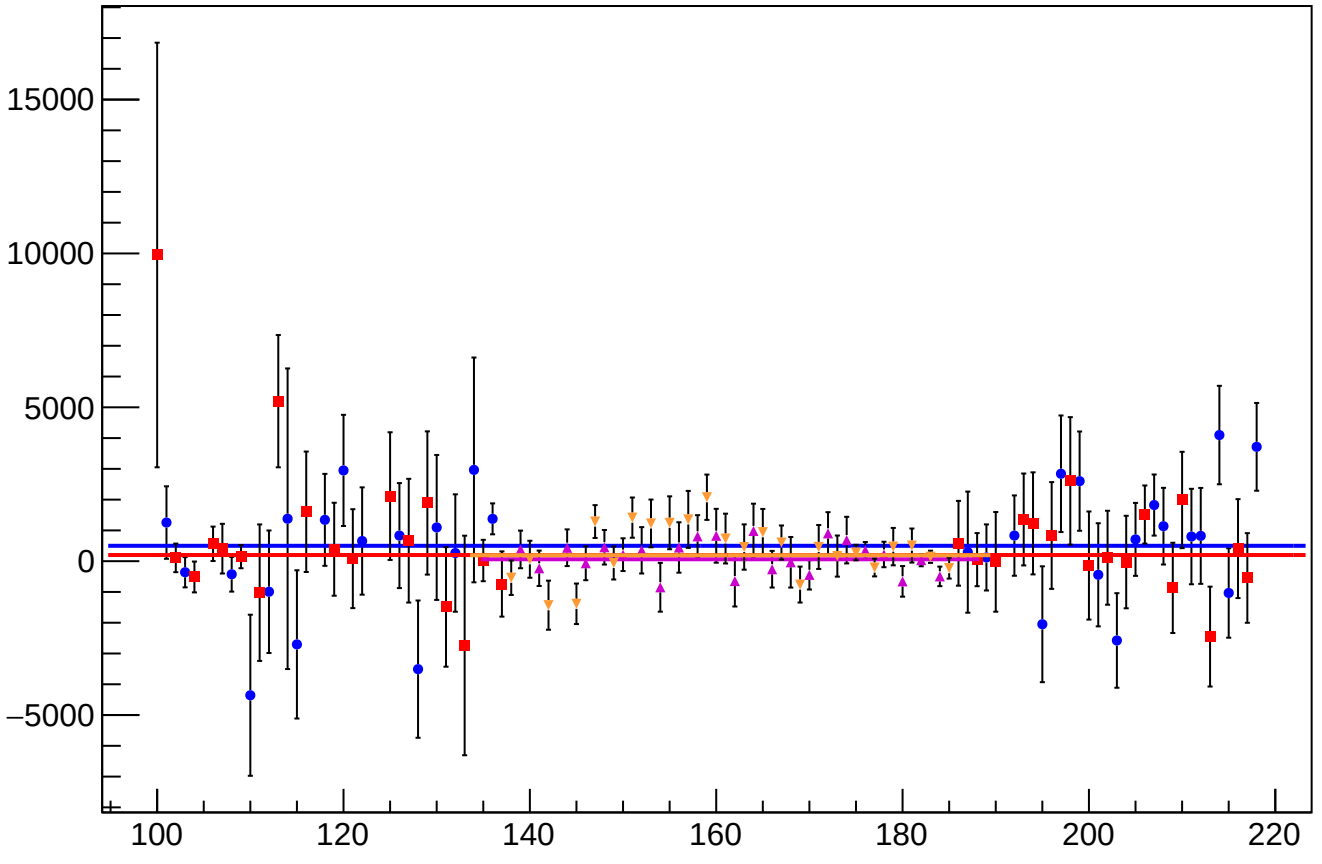
Right Out: 1545.188+/-0.246 χ^2/NDF: 568378.5/33

Left In: 1580.464+/-0.261 χ^2/NDF:125745.6/22

+ sign 1561.622+/-0.178 χ^2/NDF: 822710.9/55

All: 1561.685+/-0.126 χ^2/NDF: 1526492.3/11

- sign 1561.748+/-0.179 χ^2/NDF: 703781.2/56



Right In: 499.929+/-209.787 χ^2/NDF: 44.0/31

Left Out: 193.307+/-95.894 χ^2/NDF:40.1/23

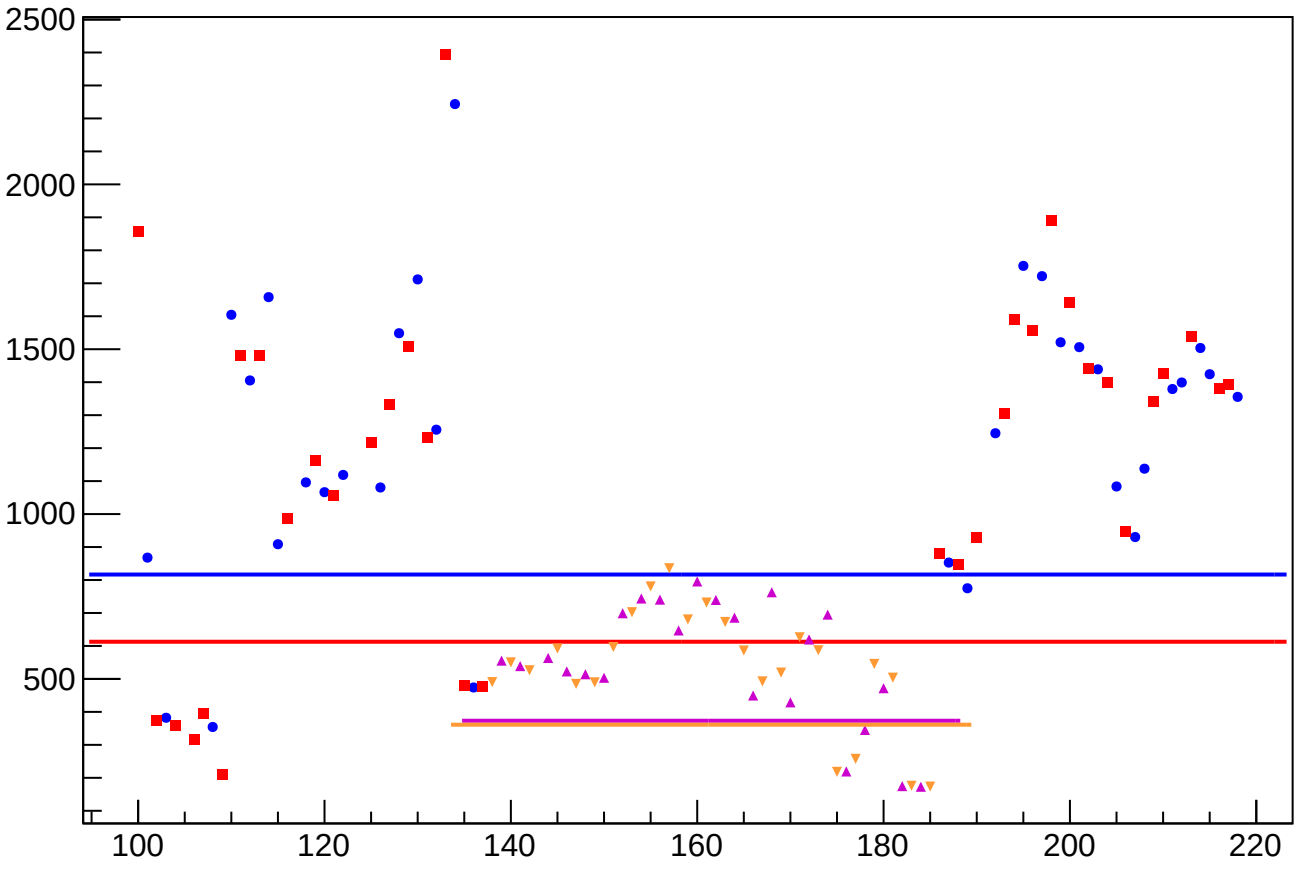
Right Out: 200.203+/-171.230 χ^2/NDF: 23.9/33

Left In: 62.183+/-99.717 χ^2/NDF:17.0/22

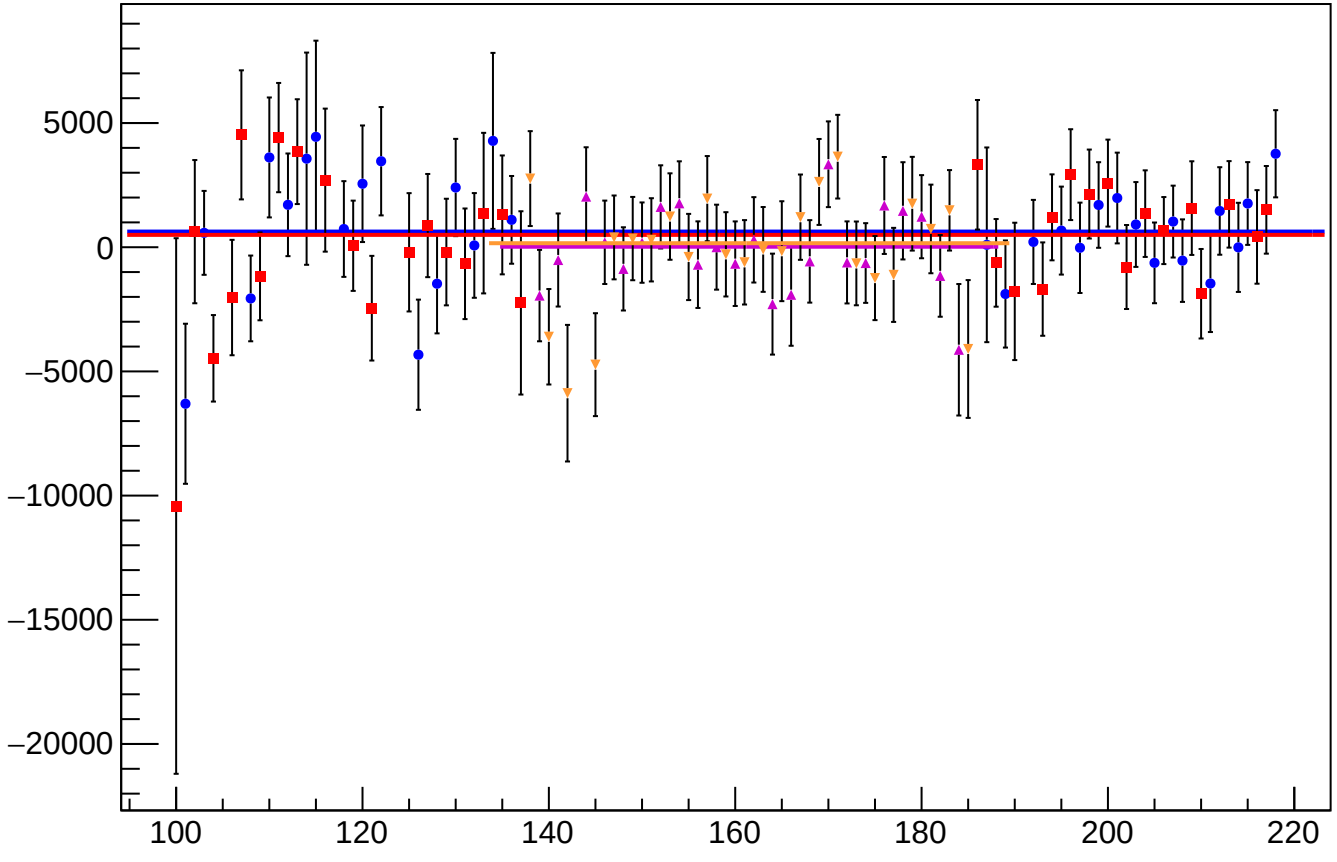
+ sign 246.300+/-87.214 χ^2/NDF: 85.8/55

All: 170.820+/-61.297 χ^2/NDF: 128.7/112

- sign 97.137+/-86.170 χ^2/NDF: 41.4/56


asym_us_dd_at2lr_dd_dd_dit_correction_rms vs Slug
2500
2000
1500
1000
500
100
120
140
160
180
200
220
Right In: 816.626+/-0.148 χ²/NDF: 9414100.2/31
Left Out: 361.100+/-0.068 χ²/NDF:8183123.9/23
Right Out: 612.754+/-0.121 χ²/NDF: 14308317.8/33
Left In: 373.140+/-0.071 χ²/NDF:8207354.5/22
+ sign 439.828+/-0.062 χ²/NDF: 25397222.8/55
All: 436.789+/-0.043 χ²/NDF: 50842306.6/11
- sign 433.823+/-0.061 χ²/NDF: 25440286.3/56

eigen_dit_asym_us_dd_at2lr_dd_dd_mean vs Slug



Right In: 630.510+/-346.318 χ^2/NDF: 29.6/31

Left Out: 161.587+/-368.366 χ^2/NDF:29.9/23

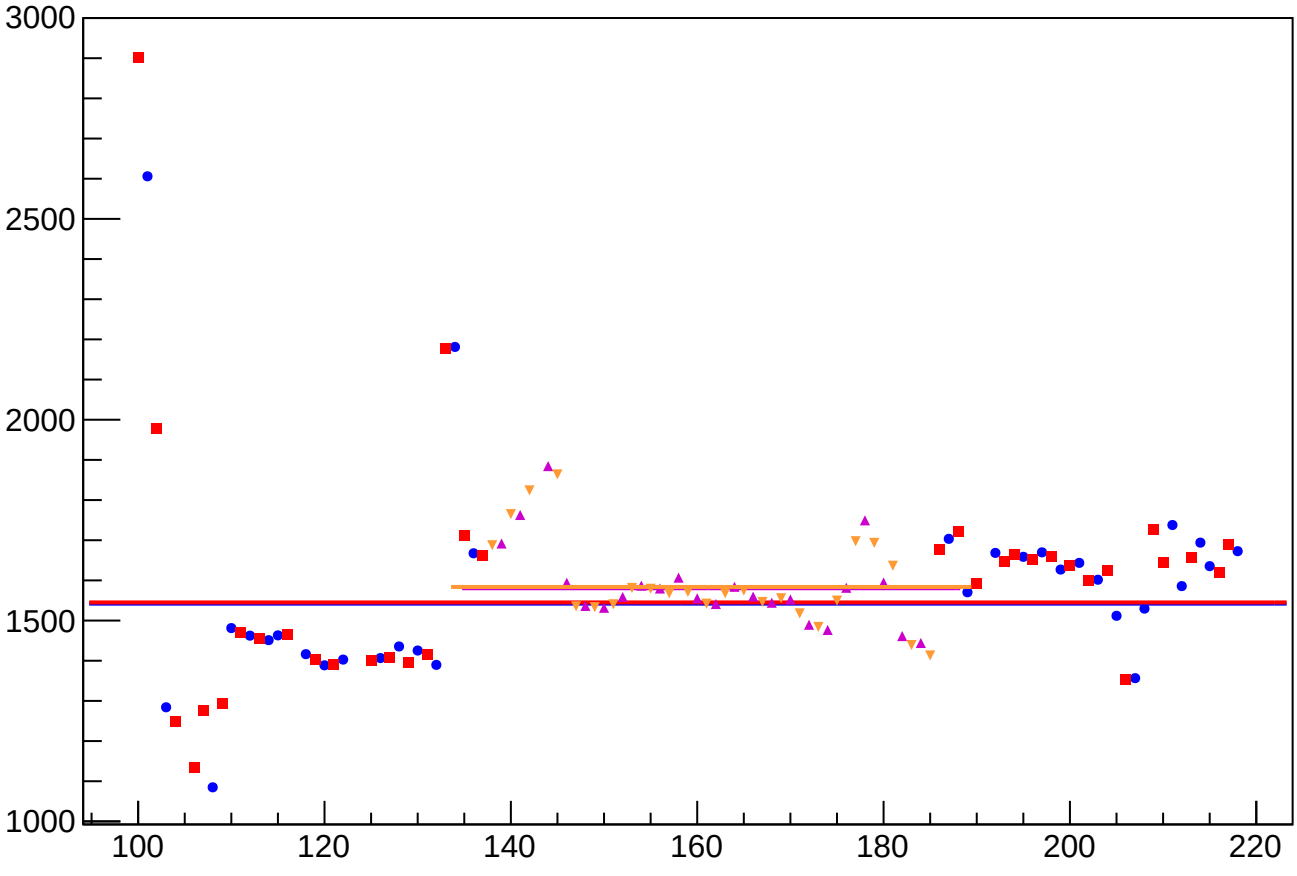
Right Out: 497.656+/-347.835 χ^2/NDF: 34.7/33

Left In: 20.250+/-369.781 χ^2/NDF:16.0/22

+ sign 410.501+/-252.318 χ^2/NDF: 60.4/55

All: 342.302+/-178.783 χ^2/NDF: 112.1/112

- sign 273.539+/-253.360 χ^2/NDF: 51.6/56



Right In: 1542.132+/-0.245 χ^2/NDF: 675626.1/31

Left Out: 1583.673+/-0.260 χ^2/NDF:133583.3/23

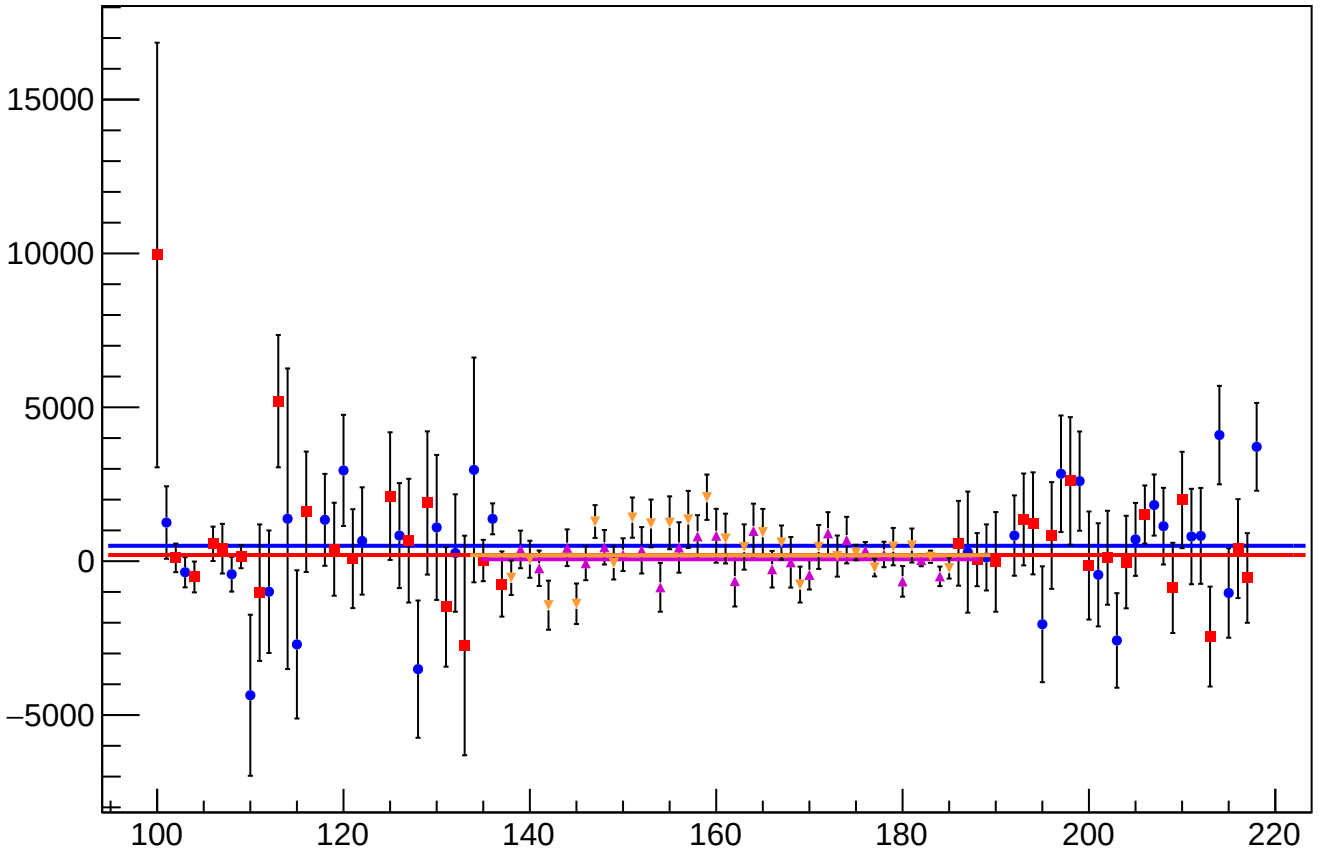
Right Out: 1545.188+/-0.246 χ^2/NDF: 568378.5/33

Left In: 1580.464+/-0.261 χ^2/NDF:125745.6/22

+ sign 1561.622+/-0.178 χ^2/NDF: 822710.4/55

All: 1561.685+/-0.126 χ^2/NDF: 1526491.7/11

- sign 1561.748+/-0.179 χ^2/NDF: 703781.0/56



Right In: 499.926+/-209.786 χ^2/NDF: 44.0/31

Left Out: 193.312+/-95.894 χ^2/NDF:40.1/23

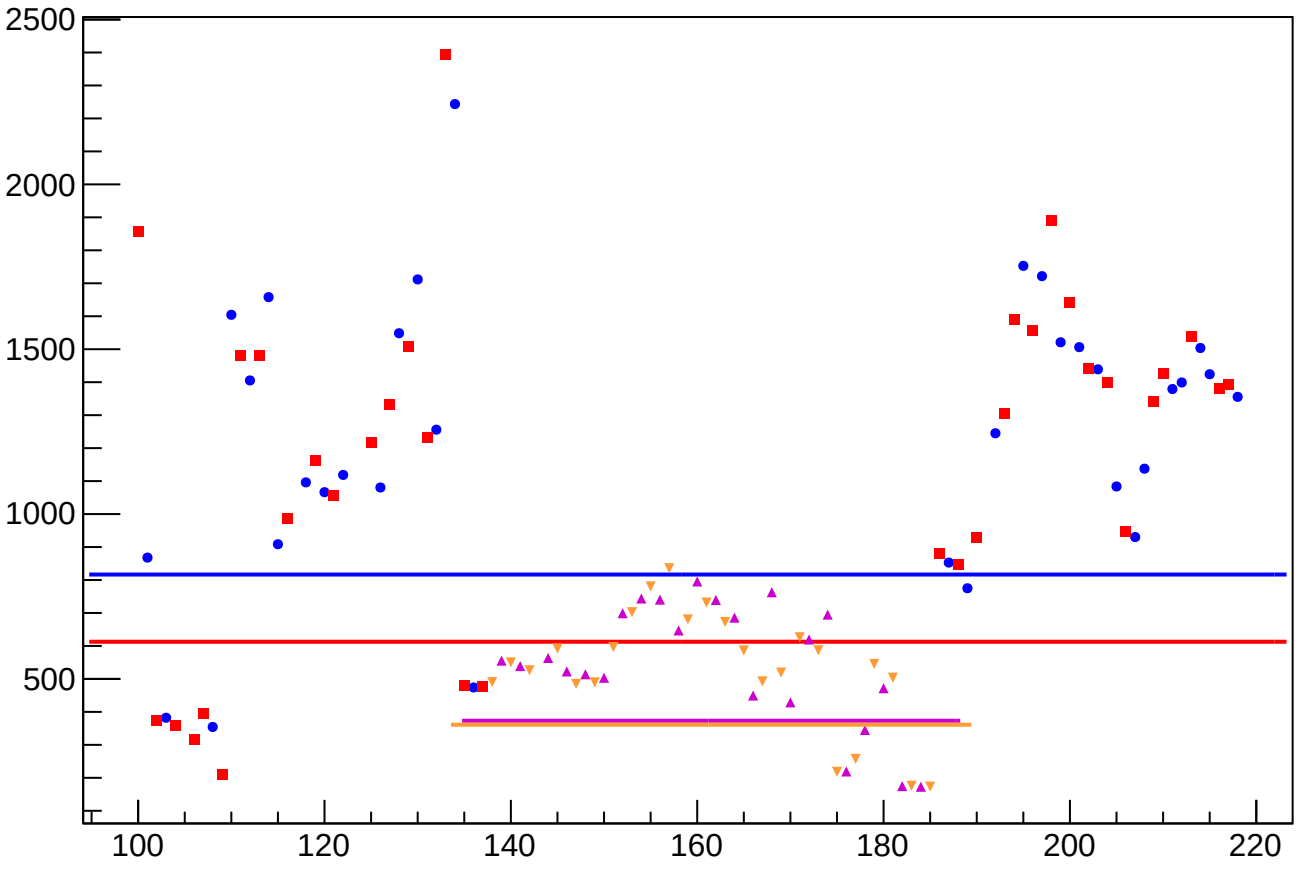
Right Out: 200.201+/-171.231 χ^2/NDF: 23.9/33

Left In: 62.181+/-99.718 χ^2/NDF:17.0/22

+ sign 246.305+/-87.215 χ^2/NDF: 85.8/55

All: 170.822+/-61.298 χ^2/NDF: 128.7/112

- sign 97.135+/-86.171 χ^2/NDF: 41.4/56



Right In: 816.623+/-0.148 χ^2/NDF: 9414113.1/31

Left Out: 361.103+/-0.068 χ^2/NDF:8182968.2/23

Right Out: 612.760+/-0.121 χ^2/NDF: 14308128.4/33

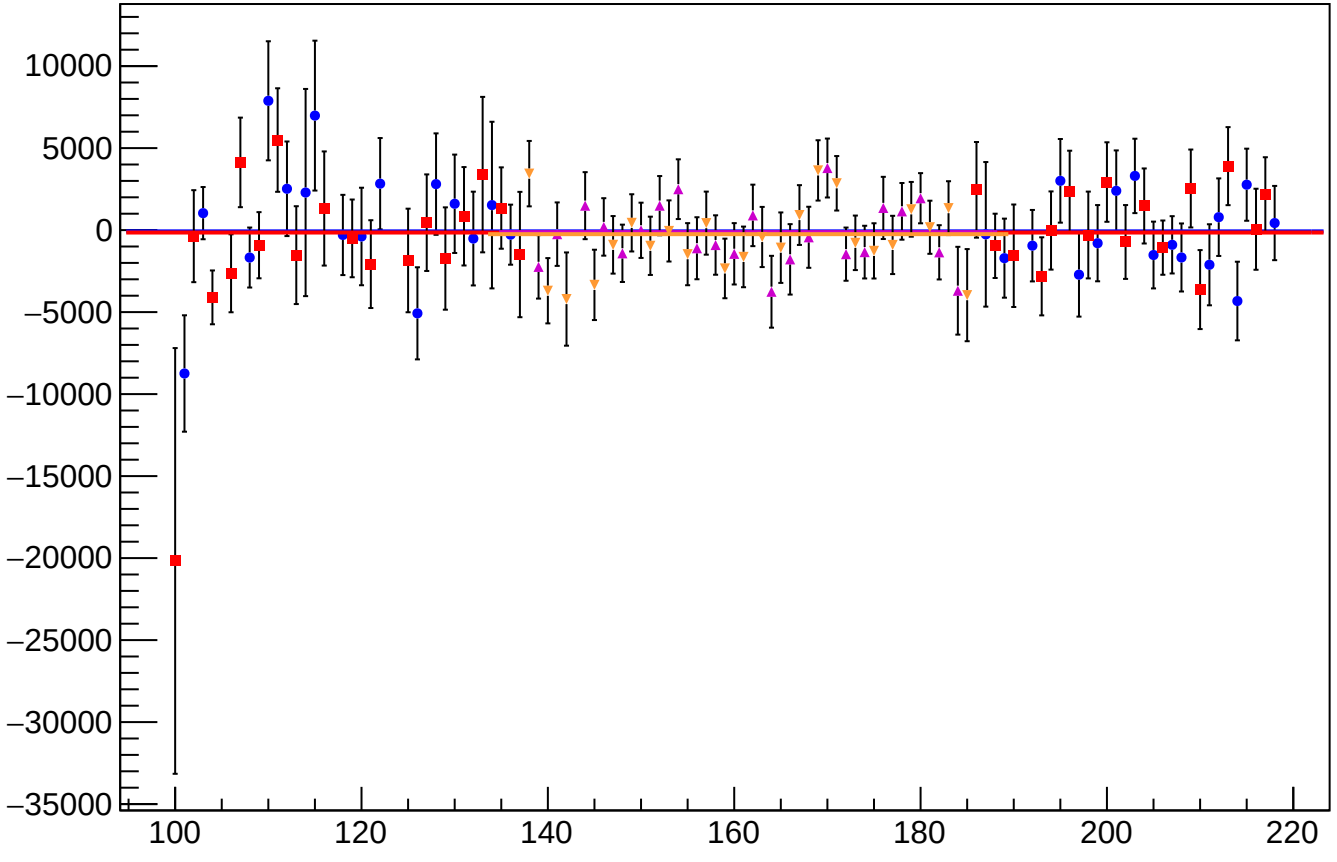
Left In: 373.145+/-0.071 χ^2/NDF:8207110.6/22

+ sign 439.832+/-0.062 χ^2/NDF: 25396880.1/55

All: 436.794+/-0.043 χ^2/NDF: 50841534.8/11

- sign 433.828+/-0.061 χ^2/NDF: 25439859.7/56

asym_us_dd_at2lr_dd_dd_mean vs Slug



Right In: -76.311+/-436.104 χ^2/NDF: 34.4/31

Left Out: -247.110+/-378.224 χ^2/NDF:26.0/23

Right Out: -147.721+/-433.606 χ^2/NDF: 30.9/33

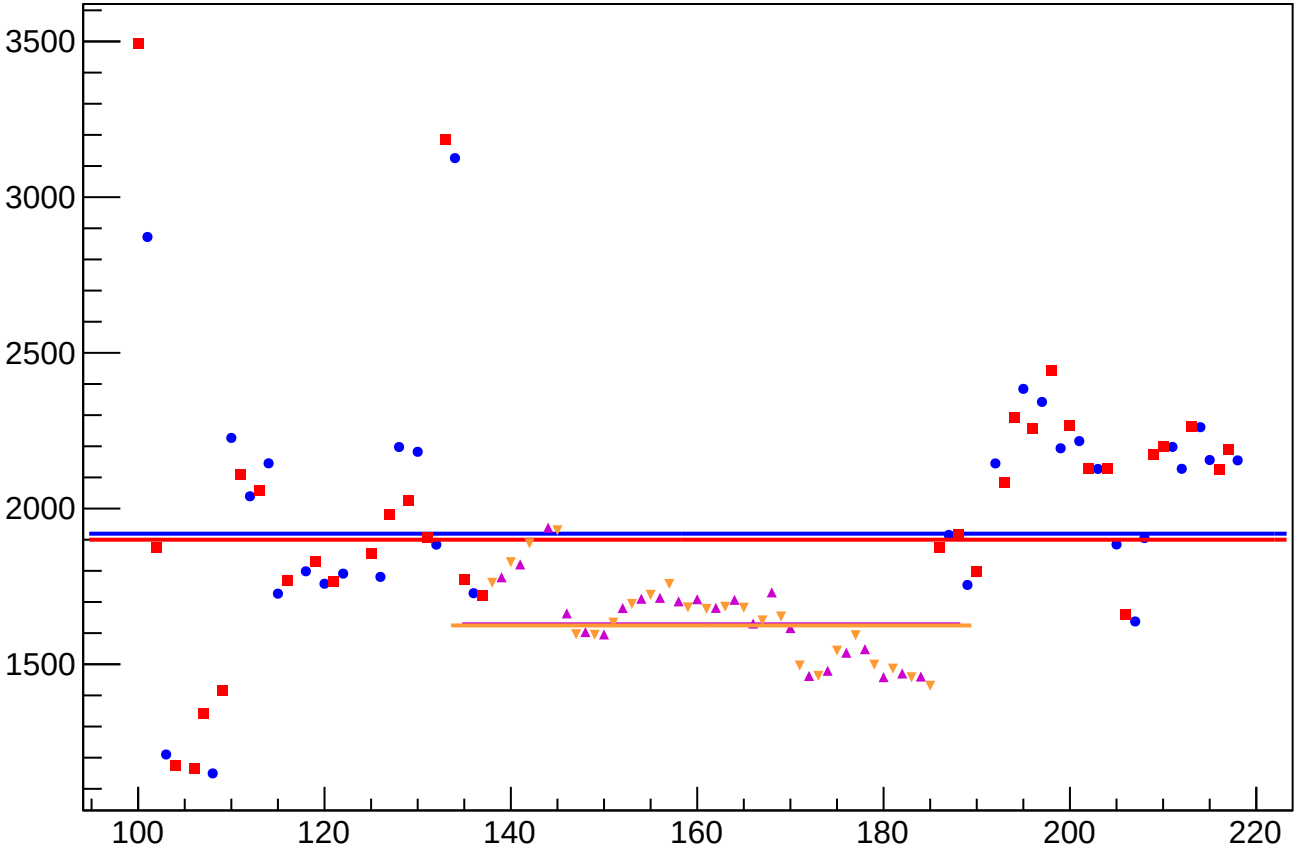
Left In: -126.114+/-381.305 χ^2/NDF:21.2/22

+ sign -173.789+/-285.733 χ^2/NDF: 60.5/55

All: -154.703+/-202.258 χ^2/NDF: 112.7/112

- sign -135.536+/-286.339 χ^2/NDF: 52.1/56

asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1919.315+/-0.308 χ^2/NDF: 1510236.0/31

Left Out: 1624.614+/-0.267 χ^2/NDF:207257.7/23

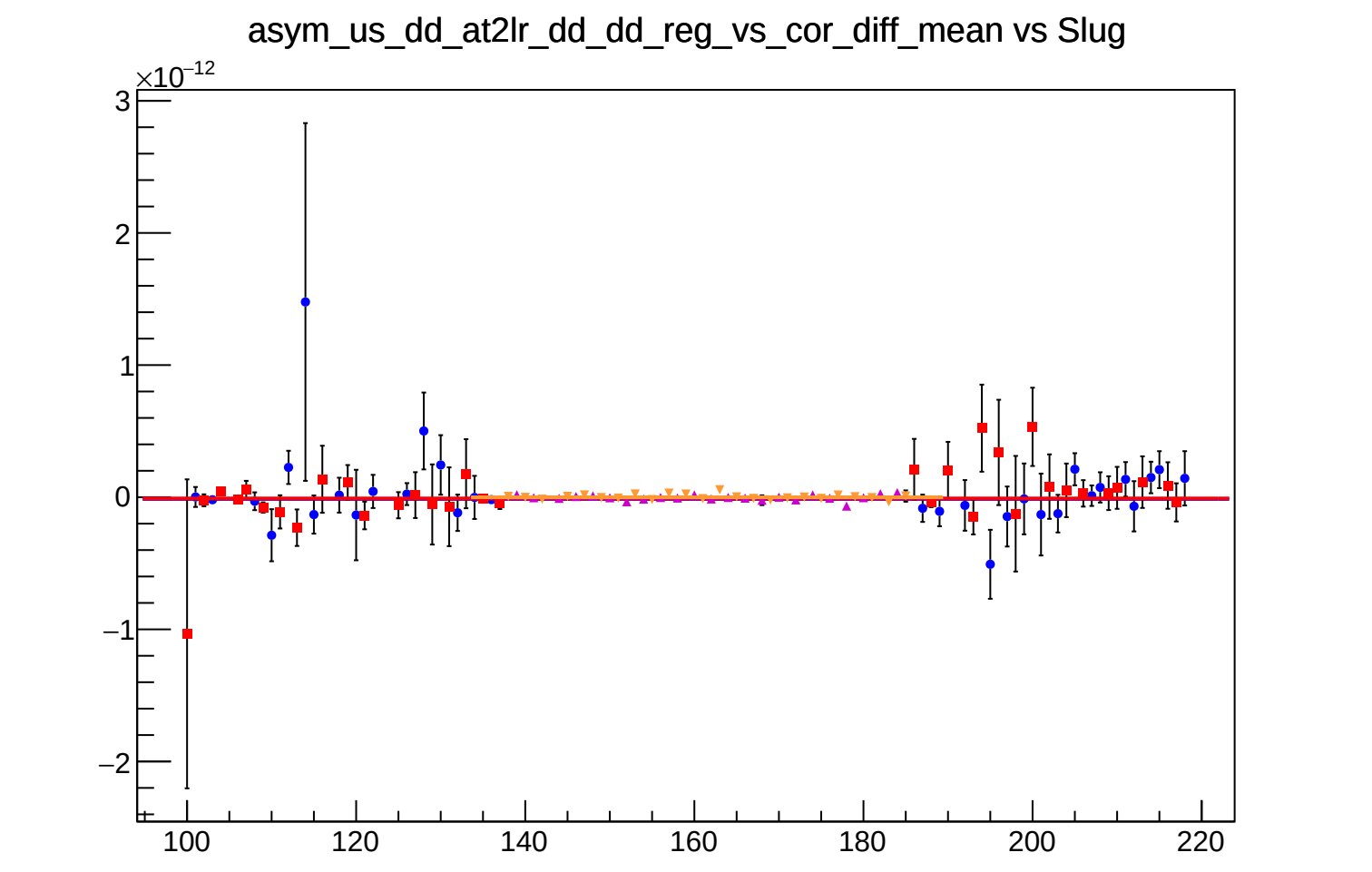
Right Out: 1900.023+/-0.307 χ^2/NDF: 1470259.3/33

Left In: 1628.221+/-0.270 χ^2/NDF:204880.6/22

+ sign 1751.124+/-0.202 χ^2/NDF: 2238731.8/55

All: 1748.941+/-0.143 χ^2/NDF: 4357264.2/11

- sign 1746.749+/-0.202 χ^2/NDF: 2118298.5/56



Right In: -0.000+/-0.000 χ^2/NDF: 29.7/31

Left Out: -0.000+/-0.000 χ^2/NDF:22.6/23

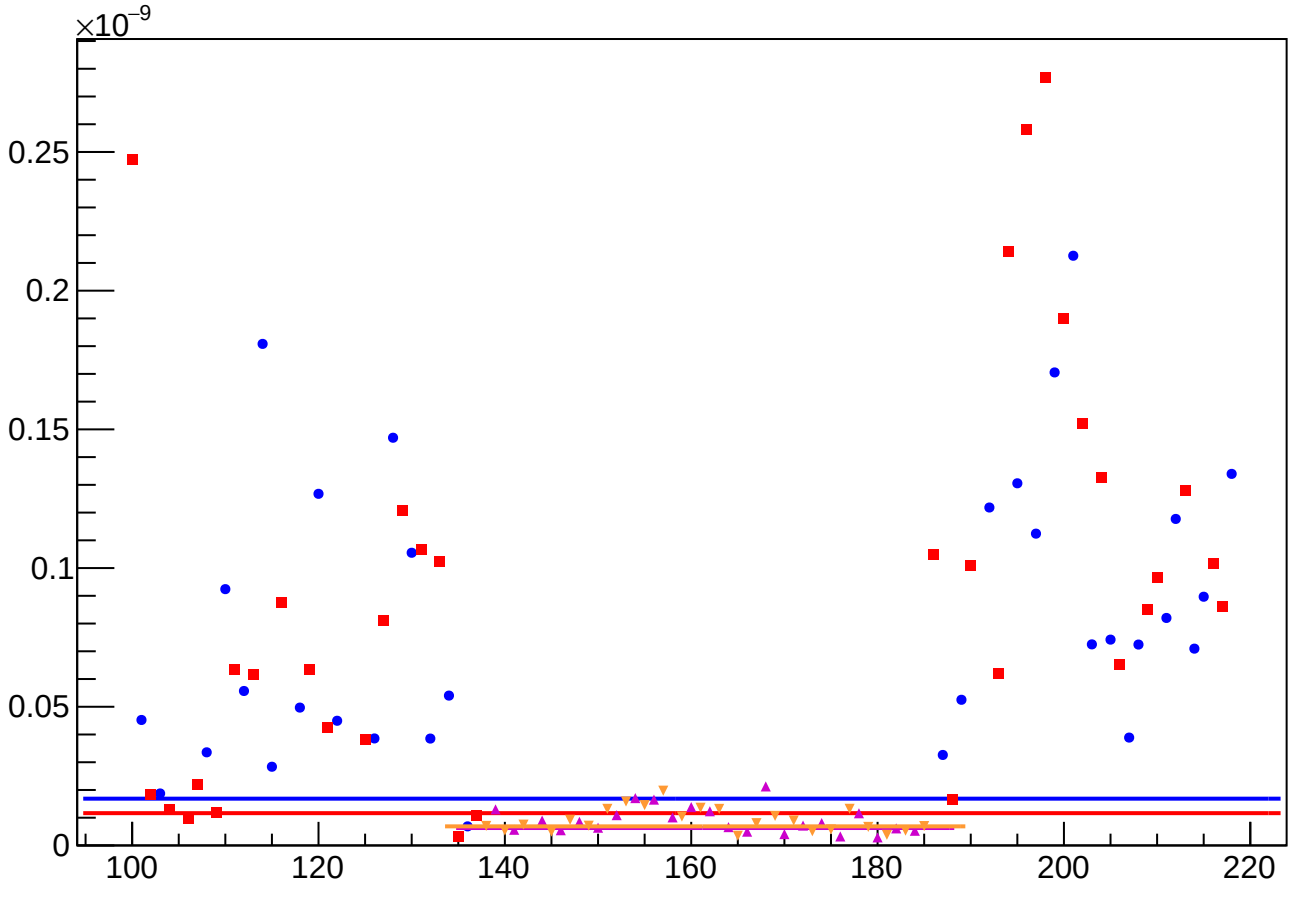
Right Out: -0.000+/-0.000 χ^2/NDF: 28.3/33

Left In: -0.000+/-0.000 χ^2/NDF:24.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 53.8/55

All: -0.000+/-0.000 χ^2/NDF: 107.2/112

- sign -0.000+/-0.000 χ^2/NDF: 53.3/56



Right In: 0.000+/-0.000 χ^2/NDF: 10953982.7/31

Left Out: 0.000+/-0.000 χ^2/NDF:2256547.8/23

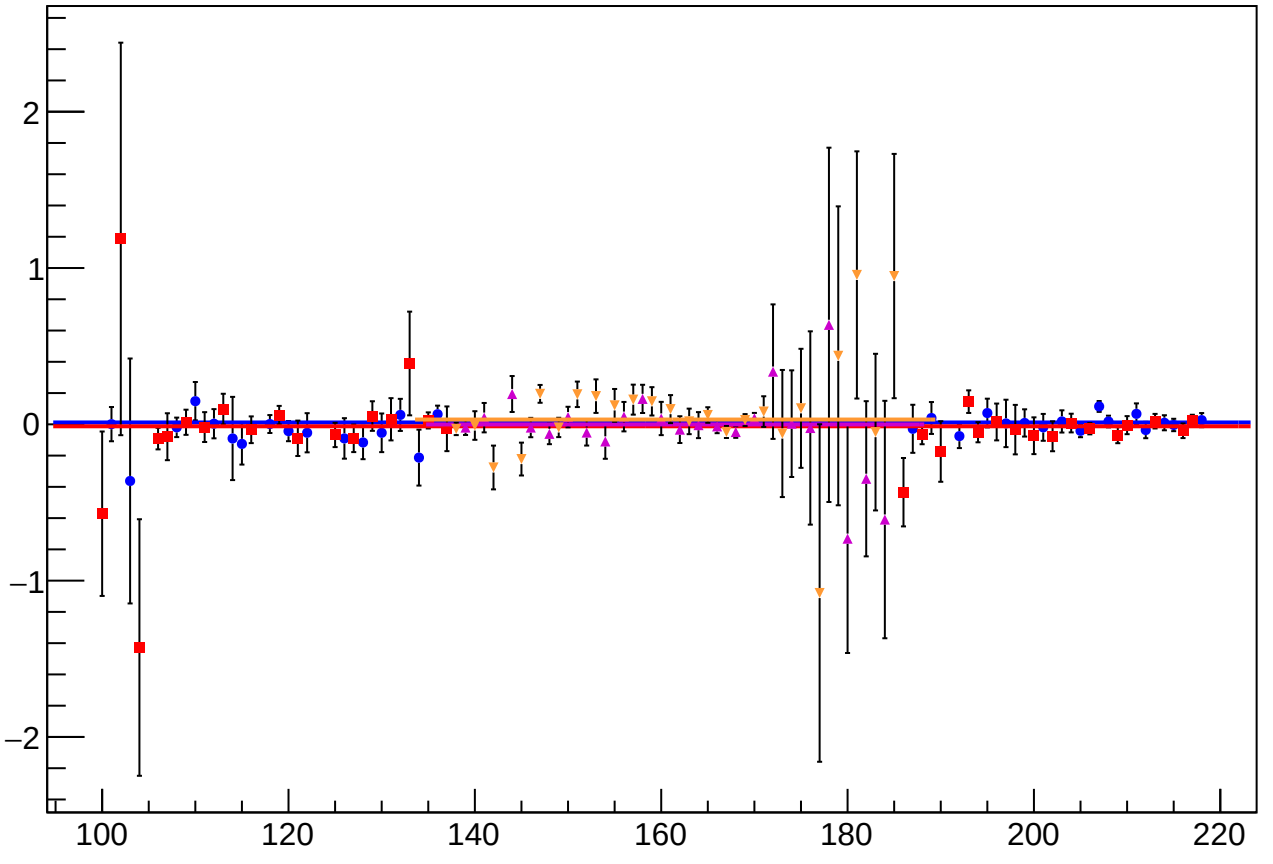
Right Out: 0.000+/-0.000 χ^2/NDF: 12731396.0/33

Left In: 0.000+/-0.000 χ^2/NDF:2888385.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 15106469.9/55

All: 0.000+/-0.000 χ^2/NDF: 31579315.4/112

- sign 0.000+/-0.000 χ^2/NDF: 16367361.6/56



Right In: 0.012+/-0.012 χ^2/NDF: 23.3/31

Left Out: 0.031+/-0.015 χ^2/NDF:41.5/23

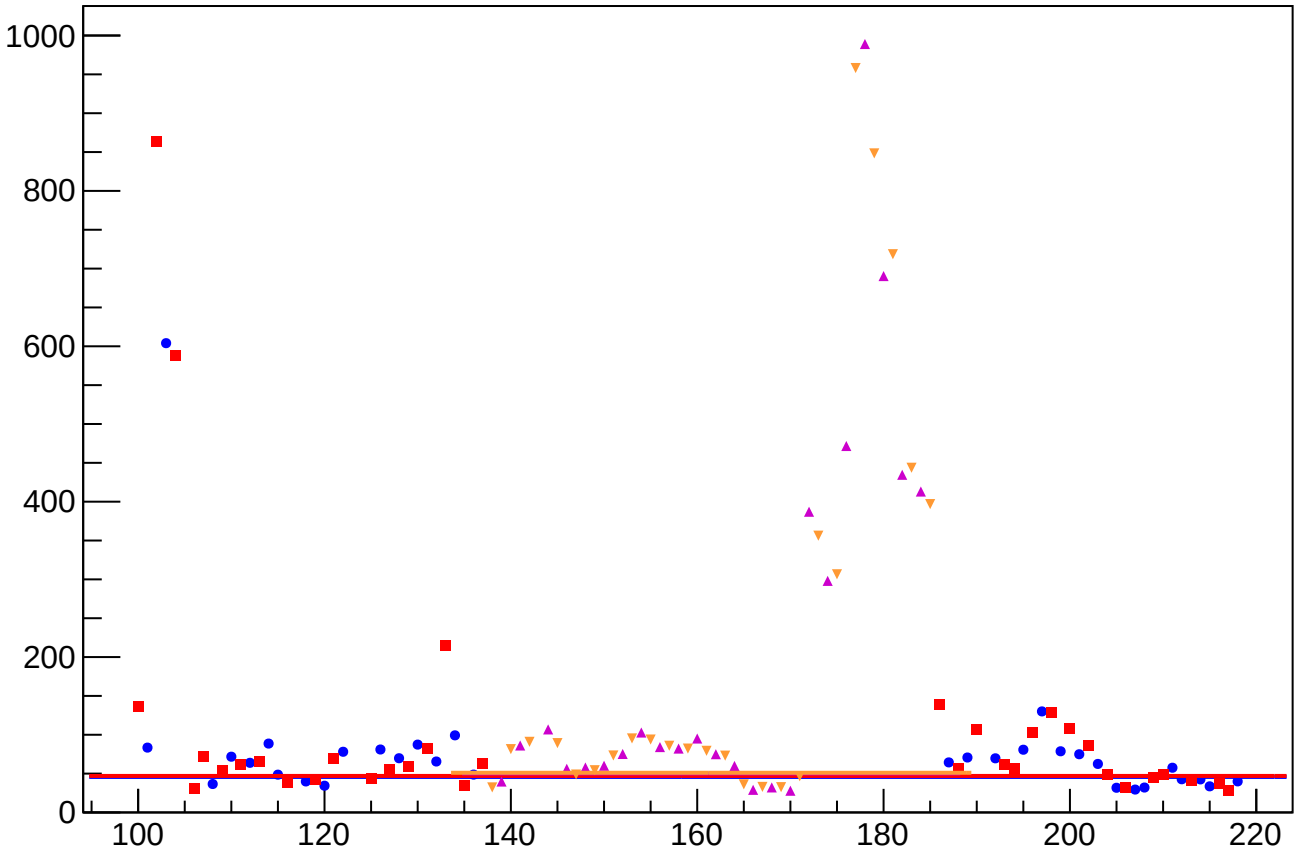
Right Out: -0.013+/-0.012 χ^2/NDF: 28.3/33

Left In: -0.001+/-0.015 χ^2/NDF:16.0/22

+ sign 0.019+/-0.009 χ^2/NDF: 65.8/55

All: 0.006+/-0.007 χ^2/NDF: 114.4/112

- sign -0.008+/-0.010 χ^2/NDF: 44.7/56



Right In: 45.742+/-0.008 χ^2/NDF: 5583100.9/31

Left Out: 51.081+/-0.011 χ^2/NDF:11736636.7/23

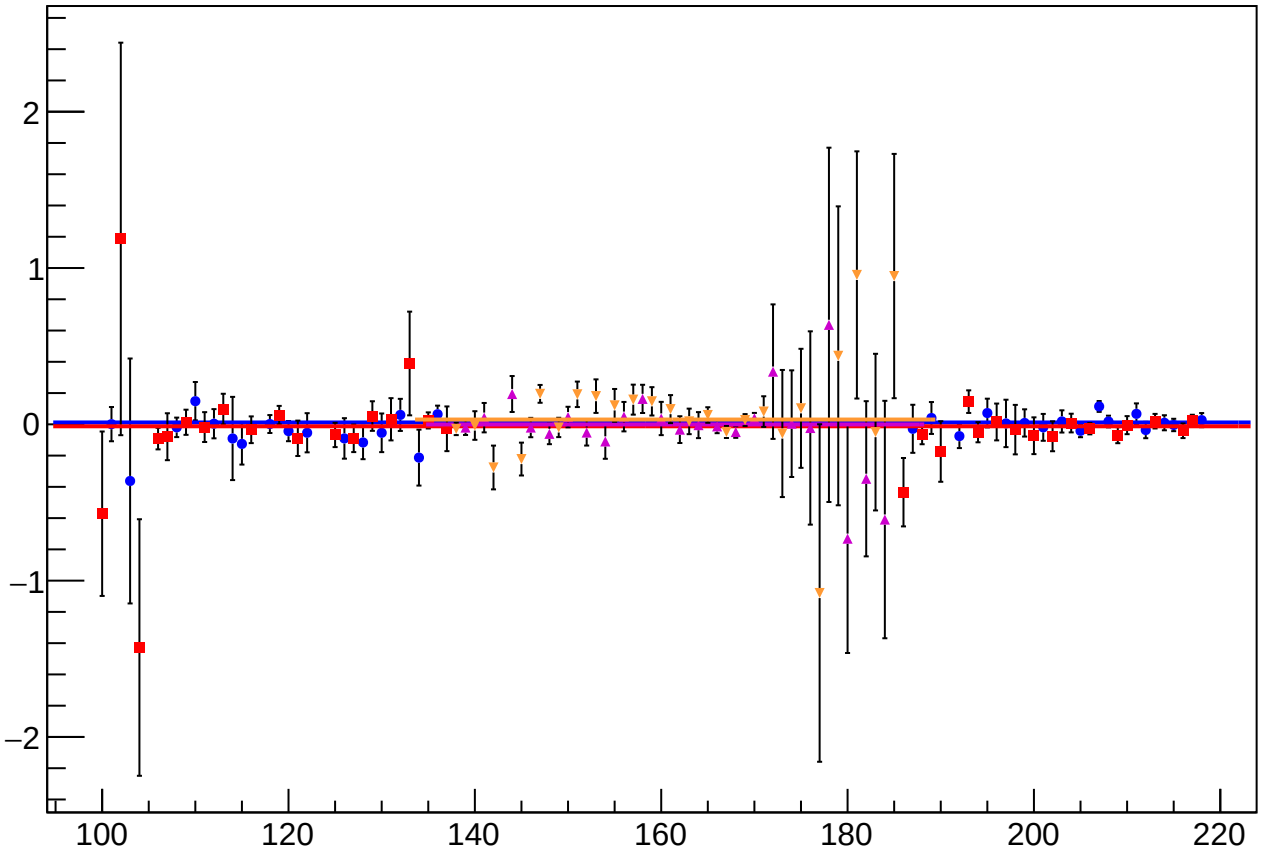
Right Out: 47.007+/-0.009 χ^2/NDF: 6601451.2/33

Left In: 50.251+/-0.011 χ^2/NDF:12195723.8/22

+ sign 47.720+/-0.007 χ^2/NDF: 17469637.6/55

All: 48.004+/-0.005 χ^2/NDF: 36324845.6/112

- sign 48.301+/-0.007 χ^2/NDF: 18851490.9/56



Right In: 0.012+/-0.012 χ^2/NDF: 23.3/31

Left Out: 0.031+/-0.015 χ^2/NDF:41.5/23

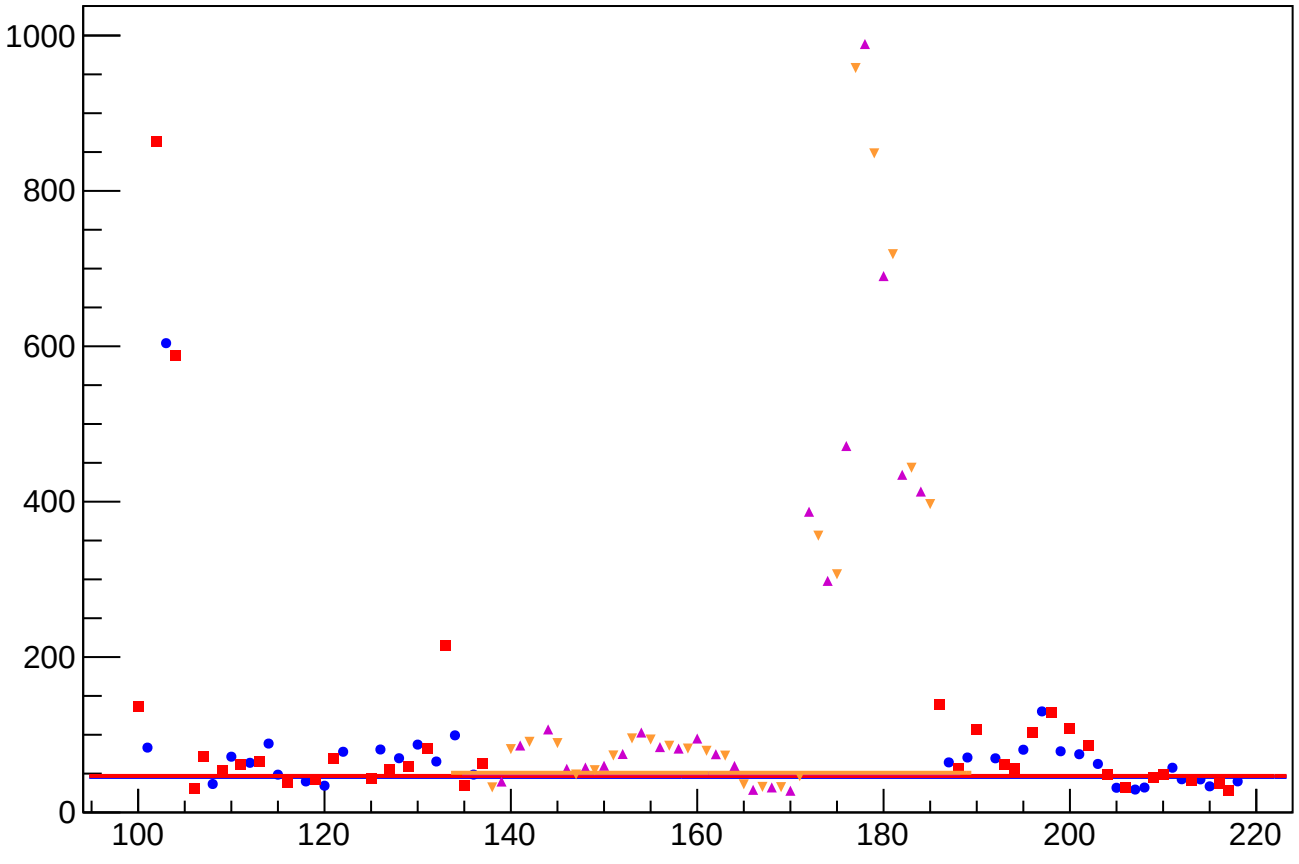
Right Out: -0.013+/-0.012 χ^2/NDF: 28.3/33

Left In: -0.001+/-0.015 χ^2/NDF:16.0/22

+ sign 0.019+/-0.009 χ^2/NDF: 65.8/55

All: 0.006+/-0.007 χ^2/NDF: 114.4/112

- sign -0.008+/-0.010 χ^2/NDF: 44.7/56



Right In: 45.742+/-0.008 χ^2/NDF: 5583100.9/31

Left Out: 51.081+/-0.011 χ^2/NDF:11736636.7/23

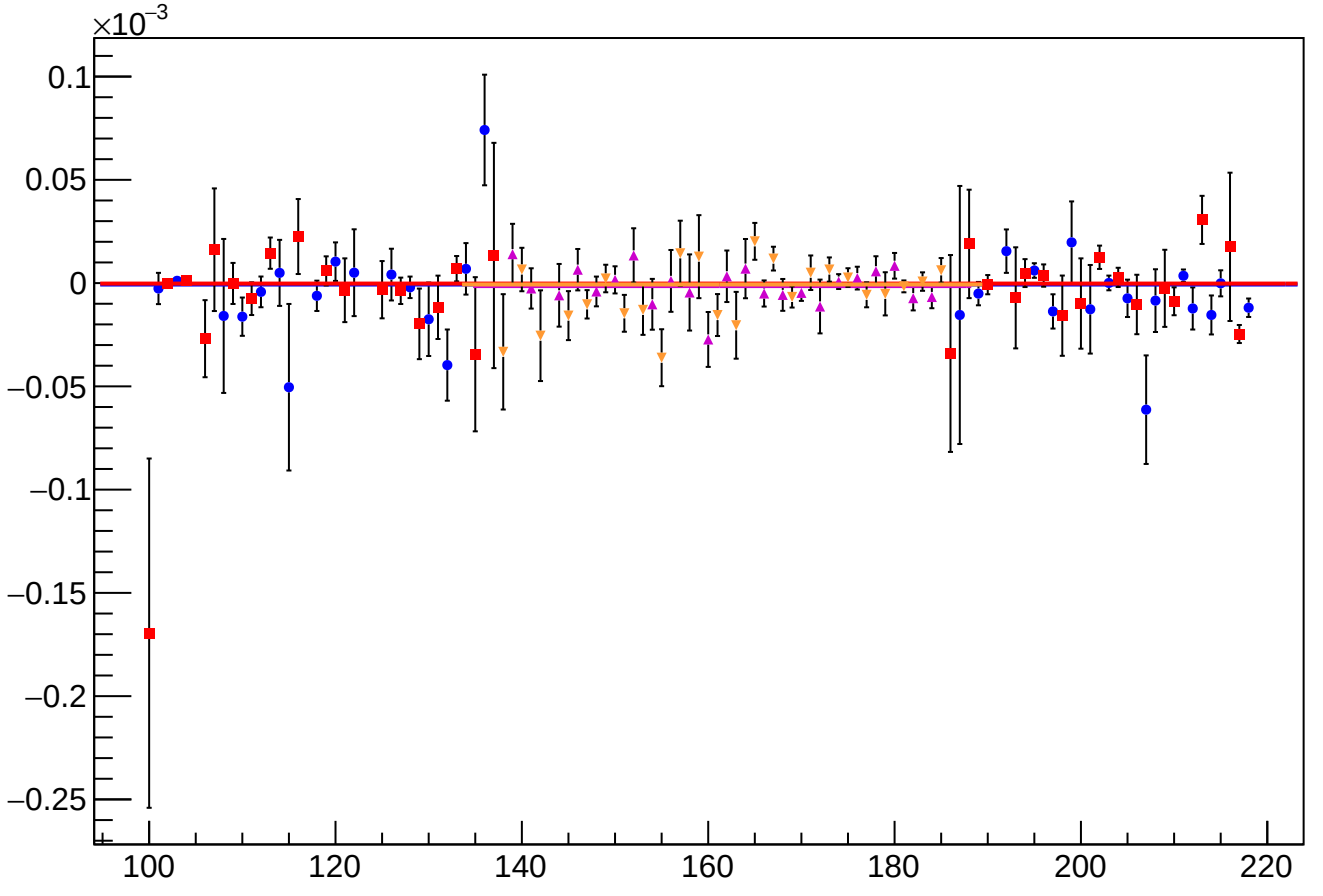
Right Out: 47.007+/-0.009 χ^2/NDF: 6601451.2/33

Left In: 50.251+/-0.011 χ^2/NDF:12195723.8/22

+ sign 47.720+/-0.007 χ^2/NDF: 17469637.6/55

All: 48.004+/-0.005 χ^2/NDF: 36324845.6/112

- sign 48.301+/-0.007 χ^2/NDF: 18851490.9/56



Right In: -0.000+/-0.000 χ^2/NDF: 50.9/31

Left Out: -0.000+/-0.000 χ^2/NDF:38.5/23

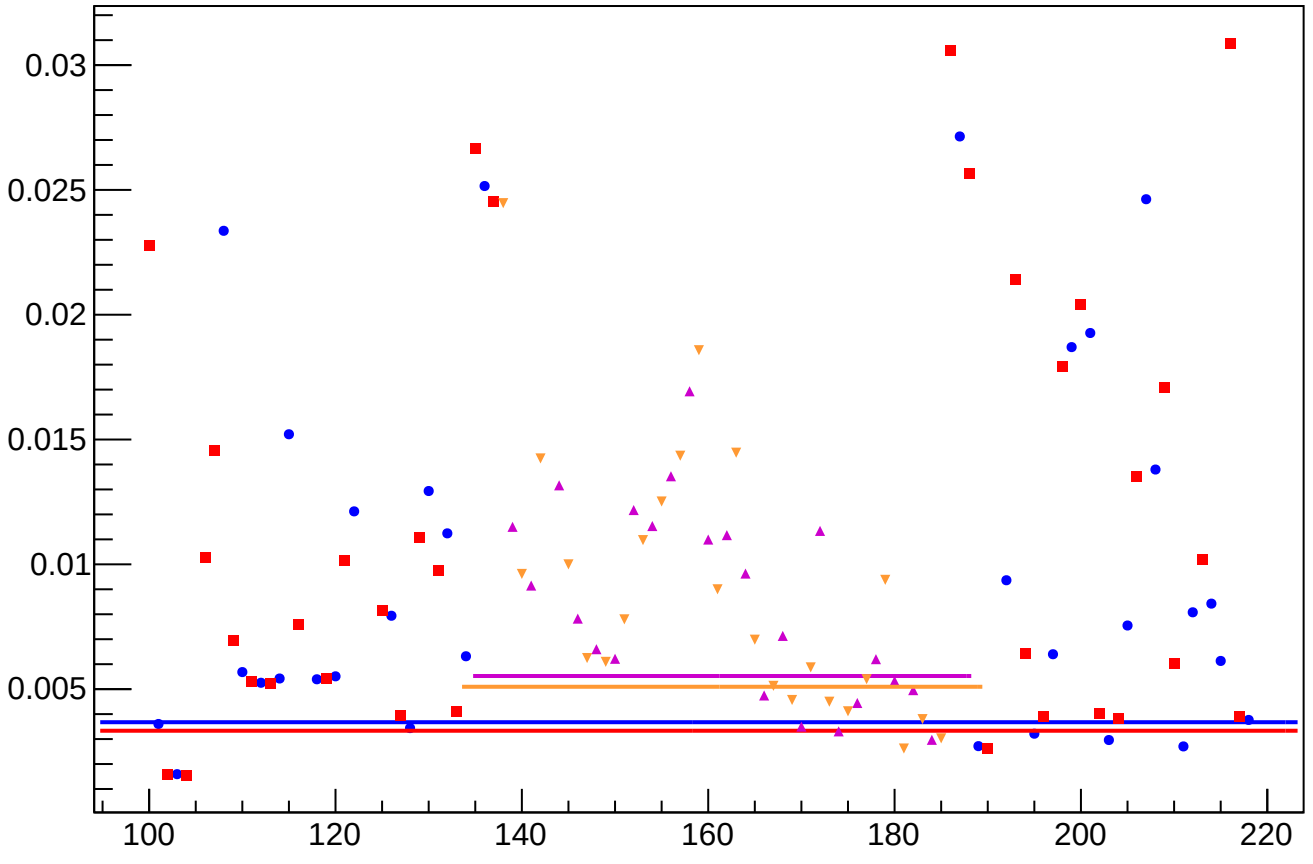
Right Out: -0.000+/-0.000 χ^2/NDF: 67.5/33

Left In: -0.000+/-0.000 χ^2/NDF:16.4/22

+ sign -0.000+/-0.000 χ^2/NDF: 89.3/55

All: -0.000+/-0.000 χ^2/NDF: 173.8/112

- sign -0.000+/-0.000 χ^2/NDF: 84.4/56



Right In: 0.004+/-0.000 χ^2/NDF: 13415386.0/31

Left Out: 0.005+/-0.000 χ^2/NDF:8380878.9/23

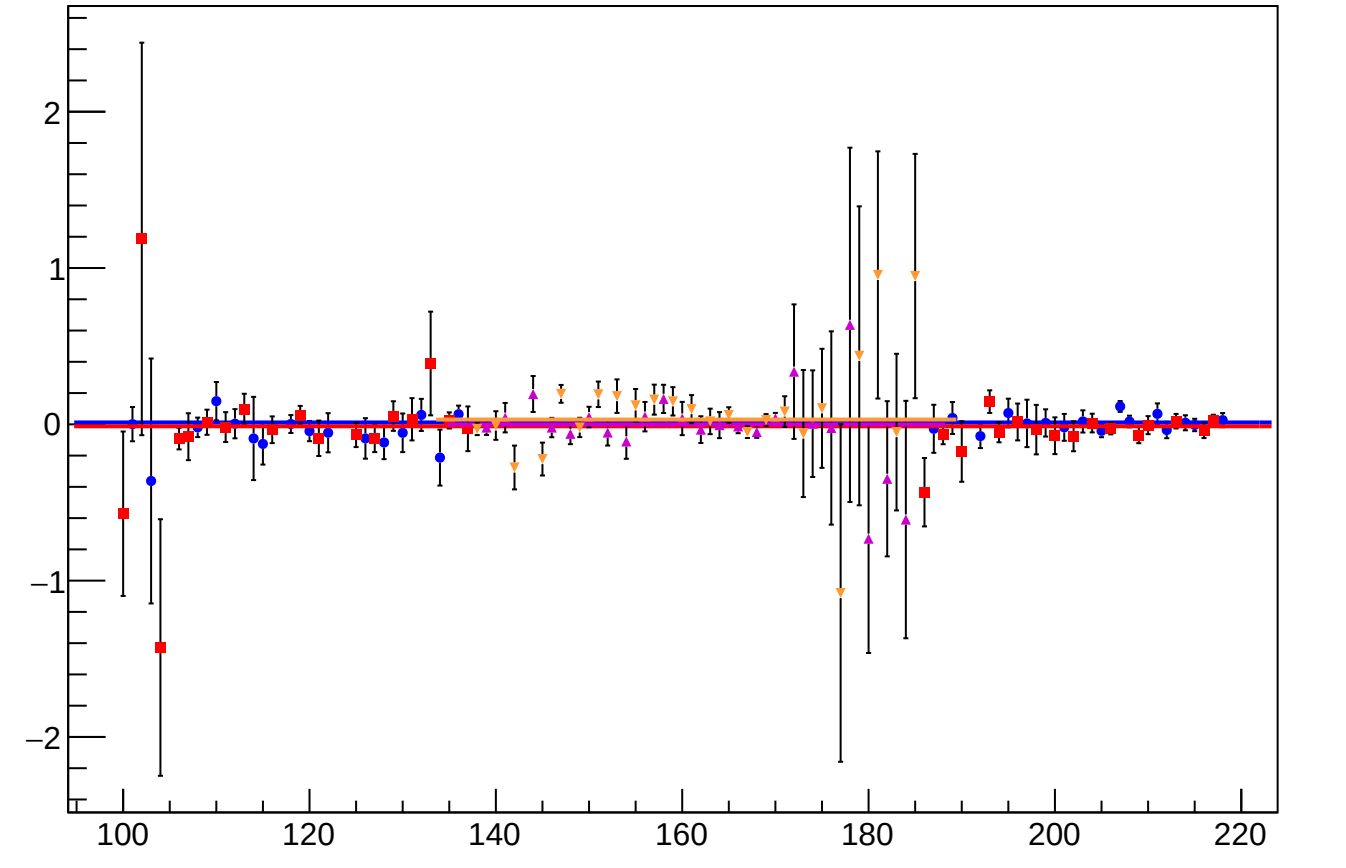
Right Out: 0.003+/-0.000 χ^2/NDF: 17421600.3/33

Left In: 0.006+/-0.000 χ^2/NDF:6892708.8/22

\+ sign 0.004+/-0.000 χ^2/NDF: 23074464.3/55

All: 0.004+/-0.000 χ^2/NDF: 50263873.0/112

\- sign 0.004+/-0.000 χ^2/NDF: 27150591.8/56



Right In: 0.012+/-0.012 χ^2/NDF: 23.3/31

Left Out: 0.031+/-0.015 χ^2/NDF:41.5/23

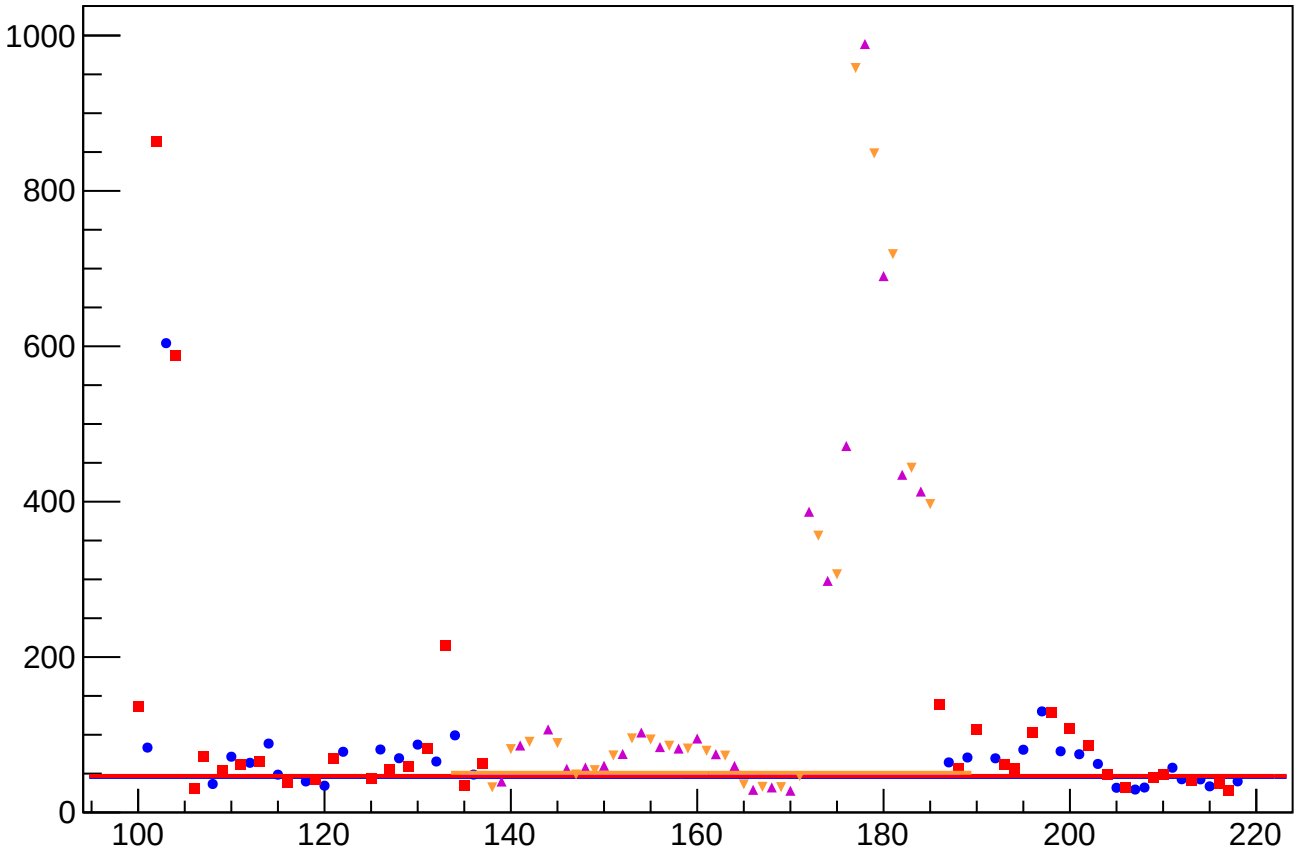
Right Out: -0.013+/-0.012 χ^2/NDF: 28.3/33

Left In: -0.001+/-0.015 χ^2/NDF:16.0/22

+ sign 0.019+/-0.009 χ^2/NDF: 65.8/55

All: 0.006+/-0.007 χ^2/NDF: 114.4/112

- sign -0.008+/-0.010 χ^2/NDF: 44.7/56



Right In: 45.741+/-0.008 χ^2/NDF: 5583201.4/31

Left Out: 51.083+/-0.011 χ^2/NDF:11735805.5/23

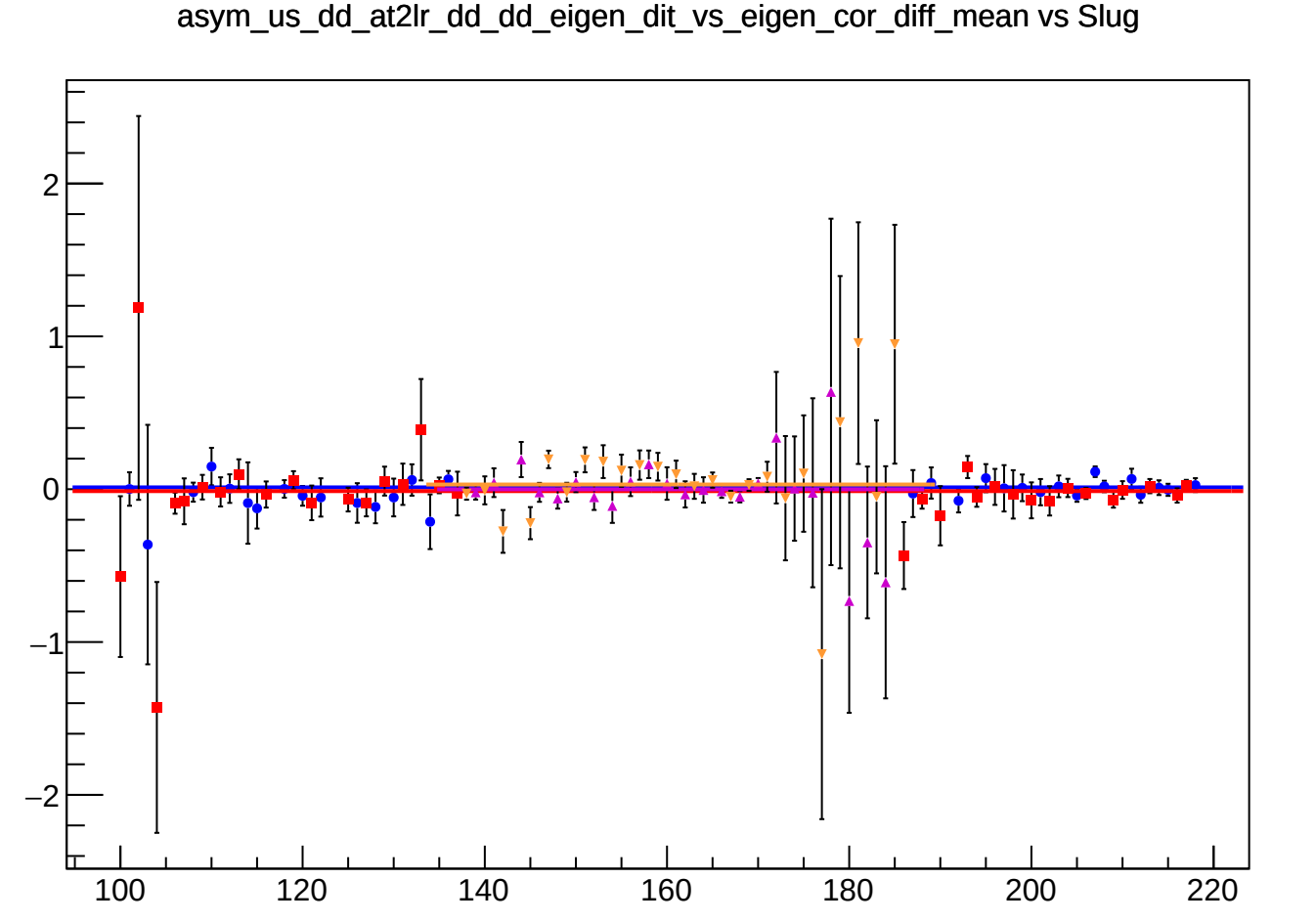
Right Out: 47.009+/-0.009 χ^2/NDF: 6600884.2/33

Left In: 50.251+/-0.011 χ^2/NDF:12195665.4/22

+ sign 47.721+/-0.007 χ^2/NDF: 17469062.7/55

All: 48.005+/-0.005 χ^2/NDF: 36323582.5/112

- sign 48.303+/-0.007 χ^2/NDF: 18850792.1/56



Right In: 0.012+/-0.012 χ^2/NDF: 23.3/31

Left Out: 0.031+/-0.015 χ^2/NDF:41.5/23

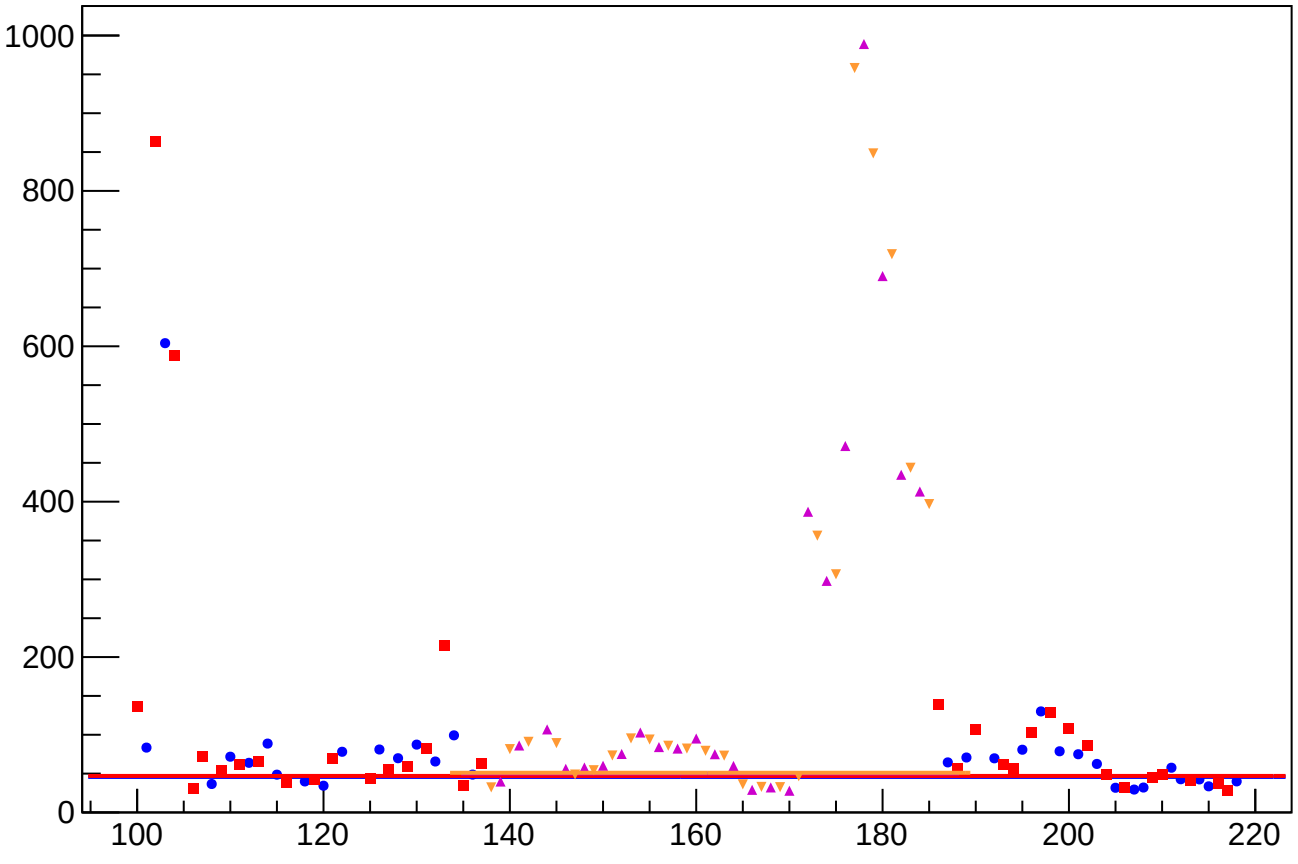
Right Out: -0.013+/-0.012 χ^2/NDF: 28.3/33

Left In: -0.001+/-0.015 χ^2/NDF:16.0/22

+ sign 0.019+/-0.009 χ^2/NDF: 65.8/55

All: 0.006+/-0.007 χ^2/NDF: 114.4/112

- sign -0.008+/-0.010 χ^2/NDF: 44.7/56



Right In: 45.741+/-0.008 χ^2/NDF: 5583201.4/31

Left Out: 51.083+/-0.011 χ^2/NDF:11735805.5/23

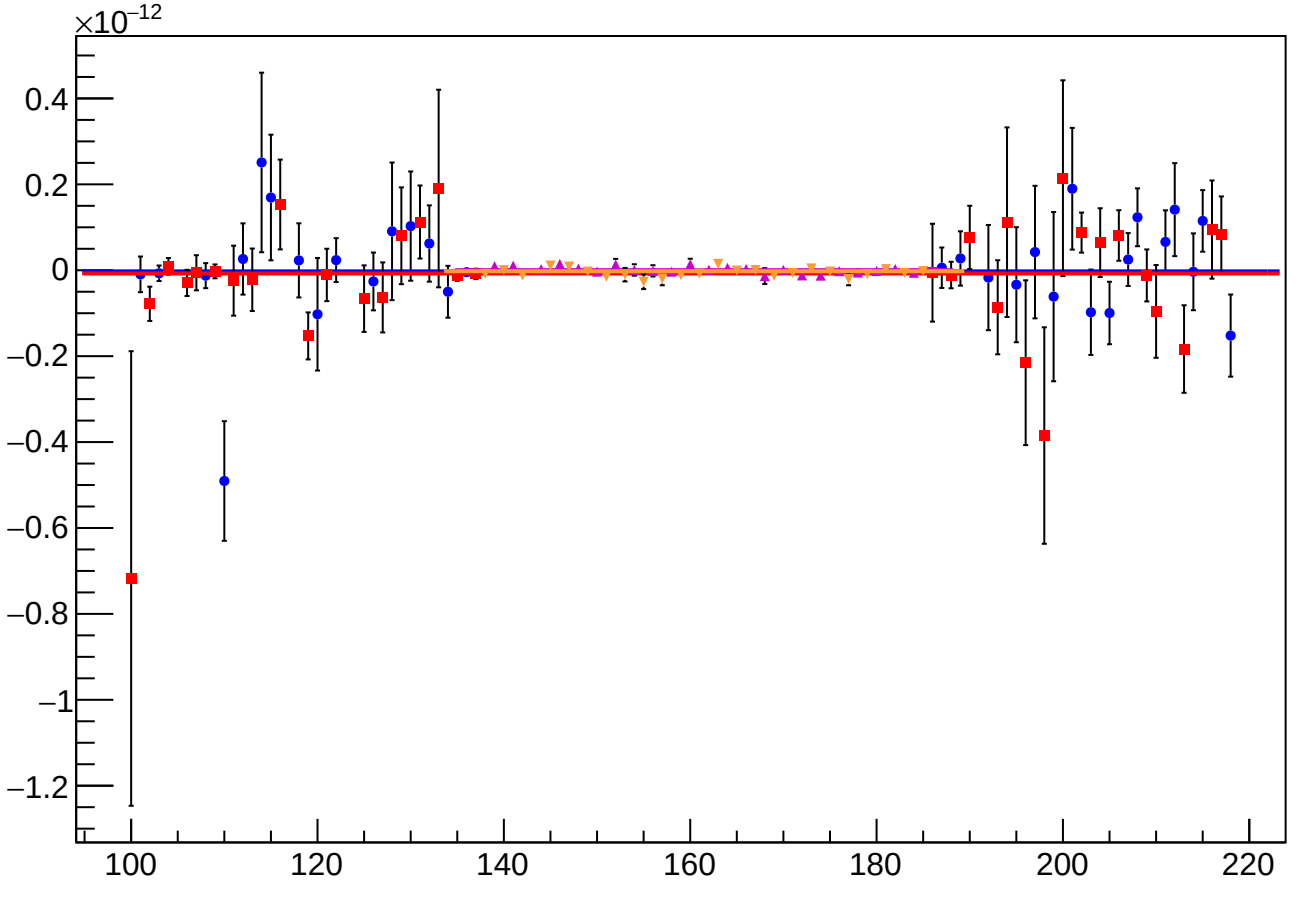
Right Out: 47.009+/-0.009 χ^2/NDF: 6600884.2/33

Left In: 50.251+/-0.011 χ^2/NDF:12195665.4/22

+ sign 47.721+/-0.007 χ^2/NDF: 17469062.7/55

All: 48.005+/-0.005 χ^2/NDF: 36323582.5/112

- sign 48.303+/-0.007 χ^2/NDF: 18850792.1/56



Right In: -0.000+/-0.000 χ^2/NDF: 35.2/31

Left Out: -0.000+/-0.000 χ^2/NDF:22.2/23

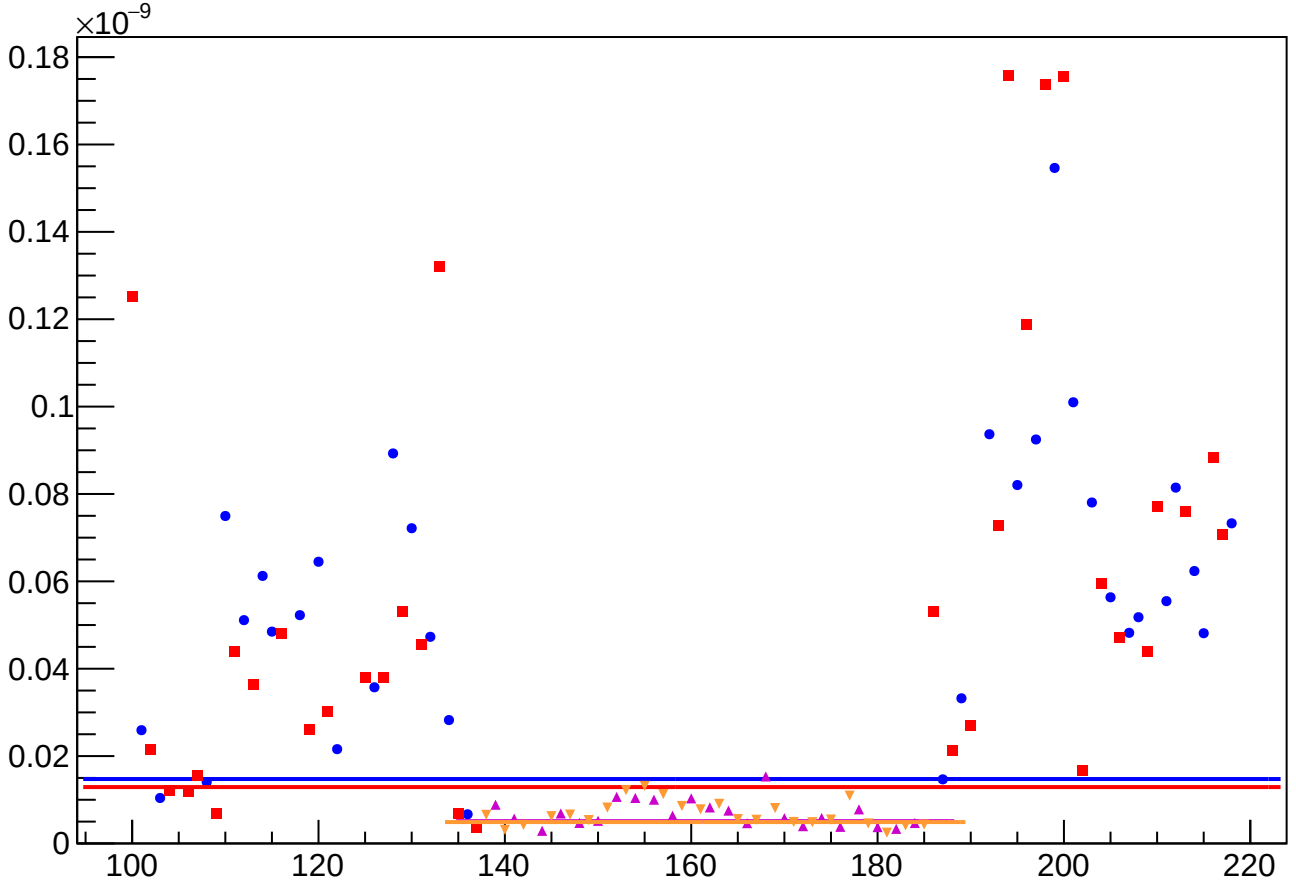
Right Out: -0.000+/-0.000 χ^2/NDF: 39.5/33

Left In: 0.000+/-0.000 χ^2/NDF:18.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 57.5/55

All: -0.000+/-0.000 χ^2/NDF: 117.7/112

- sign -0.000+/-0.000 χ^2/NDF: 59.3/56



Right In: 0.000+/-0.000 χ^2/NDF: 14830020.6/31

Left Out: 0.000+/-0.000 χ^2/NDF:4312108.9/23

Right Out: 0.000+/-0.000 χ^2/NDF: 14303464.2/33

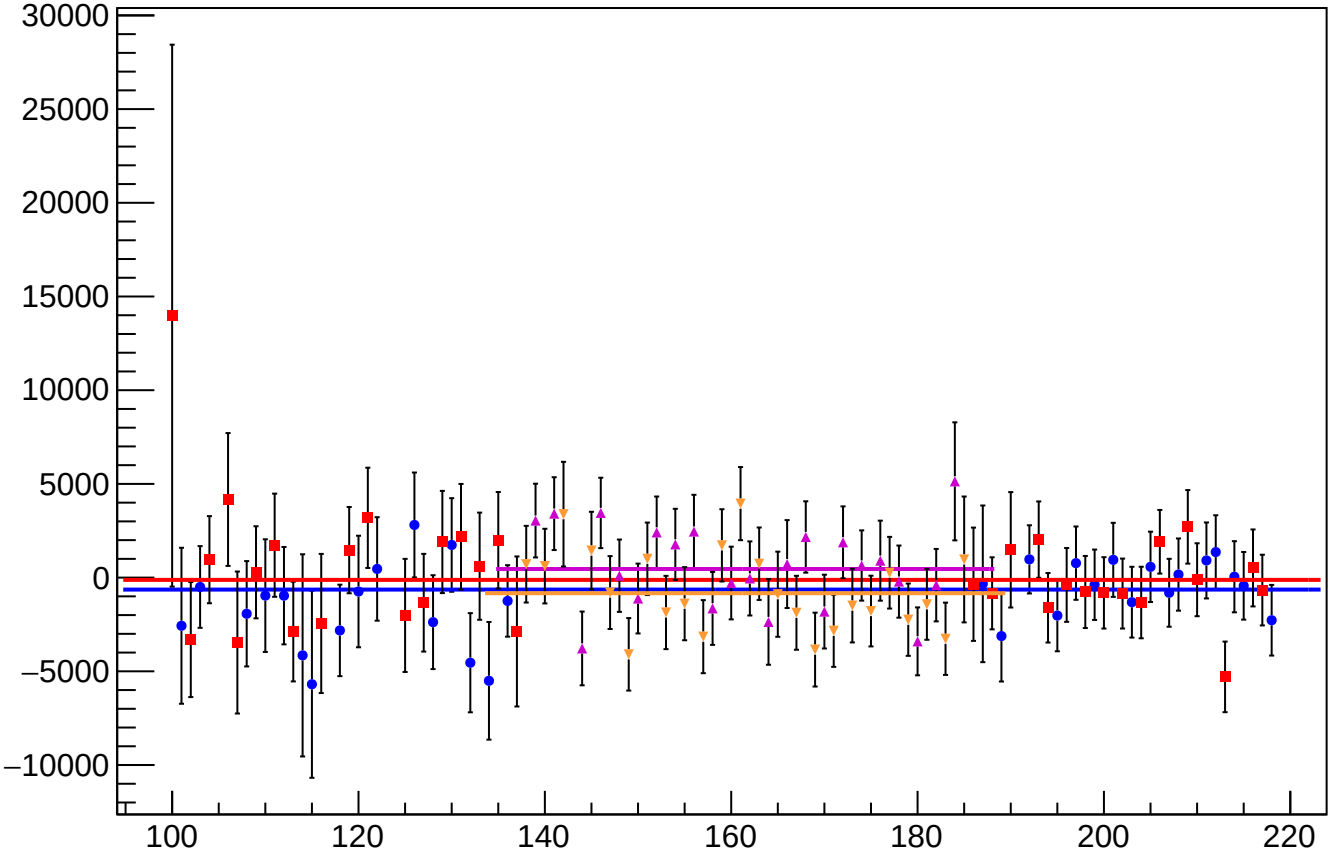
Left In: 0.000+/-0.000 χ^2/NDF:3777059.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 23526587.3/55

All: 0.000+/-0.000 χ^2/NDF: 44706054.4/112

- sign 0.000+/-0.000 χ^2/NDF: 21164225.2/56

reg_asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -639.003+/-400.984 χ^2/NDF: 17.2/31

Left Out: -832.582+/-410.448 χ^2/NDF:25.4/23

Right Out: -120.794+/-401.908 χ^2/NDF: 25.7/33

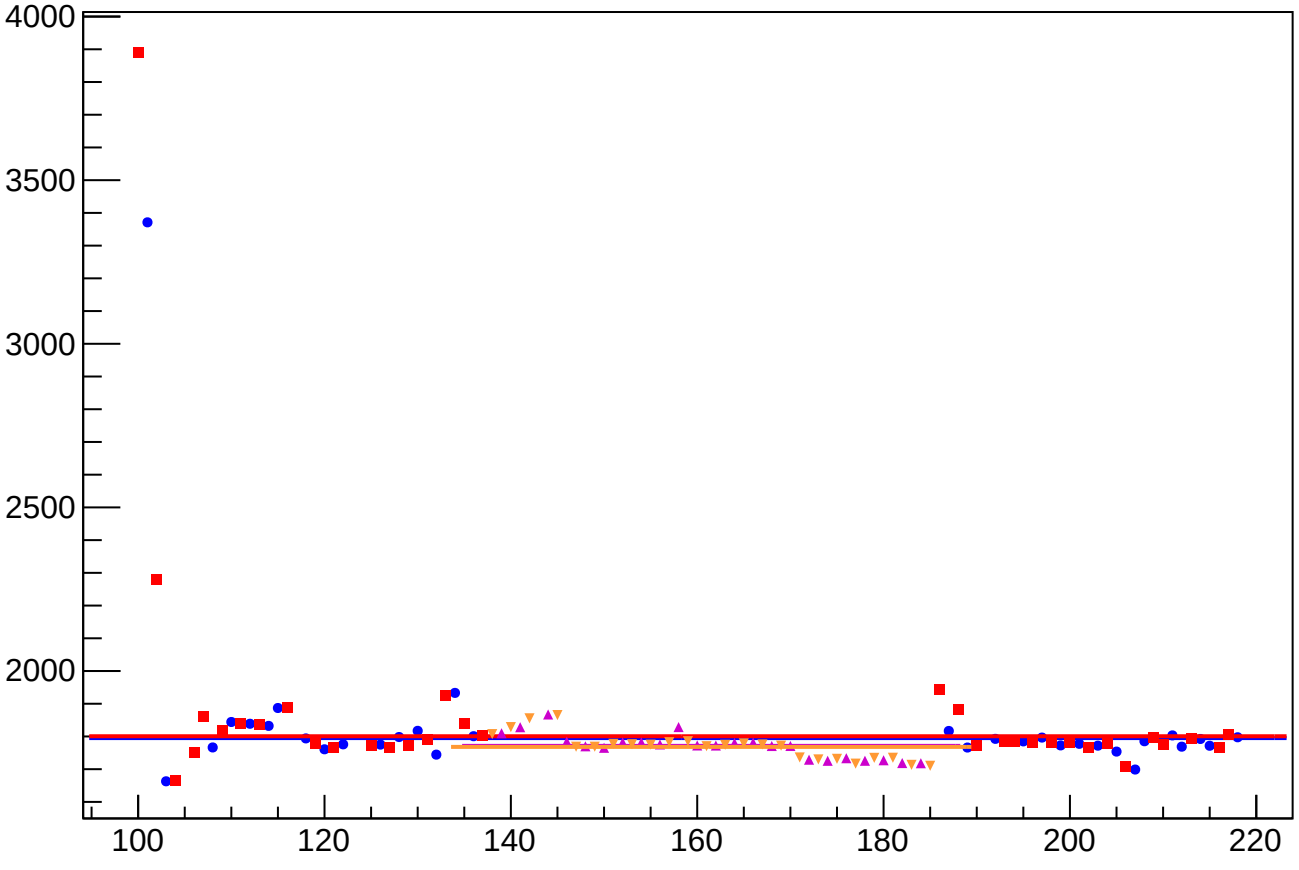
Left In: 459.594+/-413.637 χ^2/NDF:27.3/22

+ sign -733.535+/-286.826 χ^2/NDF: 42.8/55

All: -288.455+/-203.318 χ^2/NDF: 101.6/112

- sign 161.054+/-288.249 χ^2/NDF: 54.0/56

reg_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1795.056+/-0.284 χ^2/NDF: 310014.5/31

Left Out: 1768.125+/-0.290 χ^2/NDF:16358.2/23

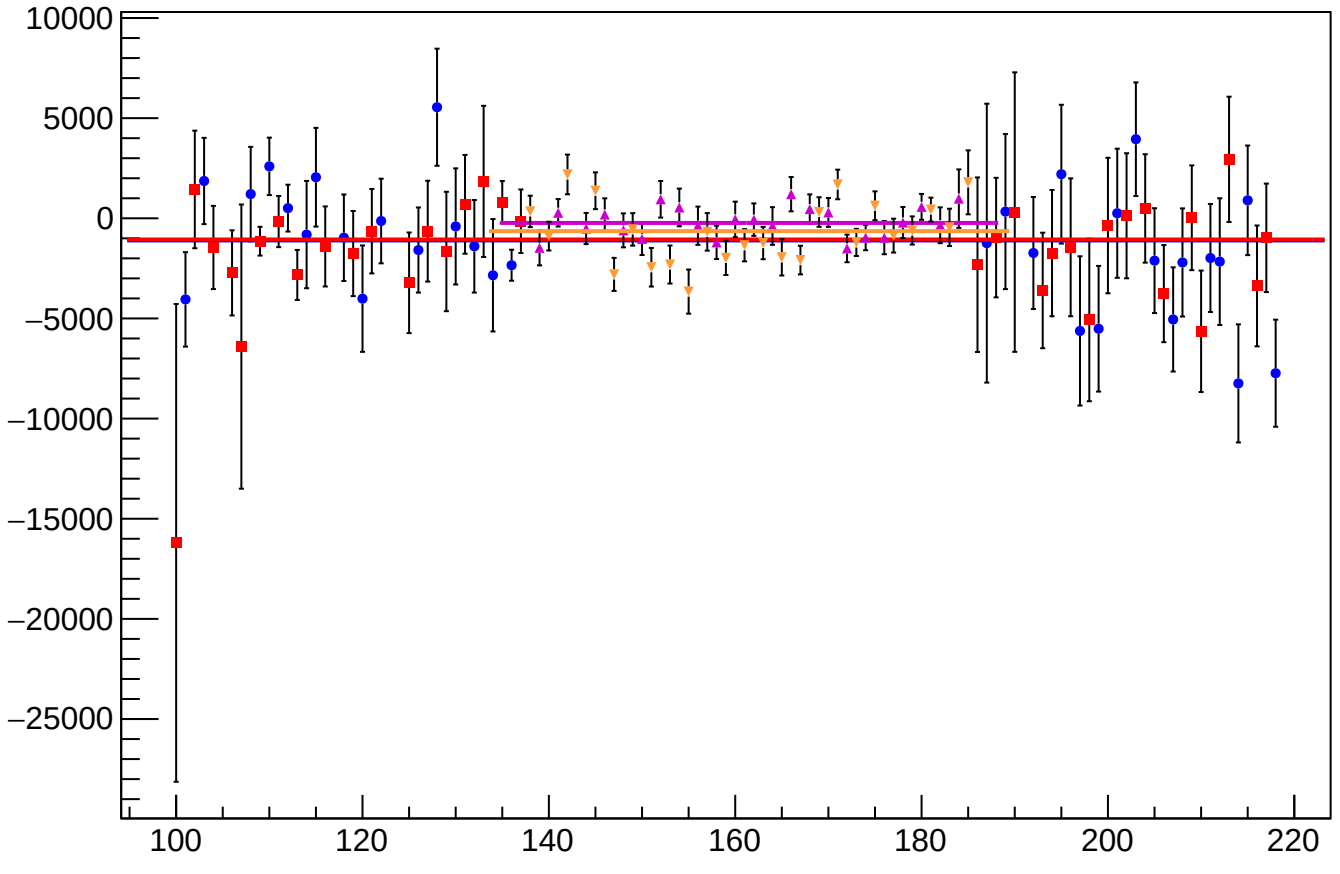
Right Out: 1800.637+/-0.284 χ^2/NDF: 122916.7/33

Left In: 1771.217+/-0.292 χ^2/NDF:16425.7/22

+ sign 1781.905+/-0.203 χ^2/NDF: 330778.2/55

All: 1784.117+/-0.144 χ^2/NDF: 475563.9/112

- sign 1786.351+/-0.204 χ^2/NDF: 144546.7/56



Right In: -1104.498+/-381.659 χ^2/NDF: 47.6/31

Left Out: -641.029+/-166.449 χ^2/NDF:66.7/23

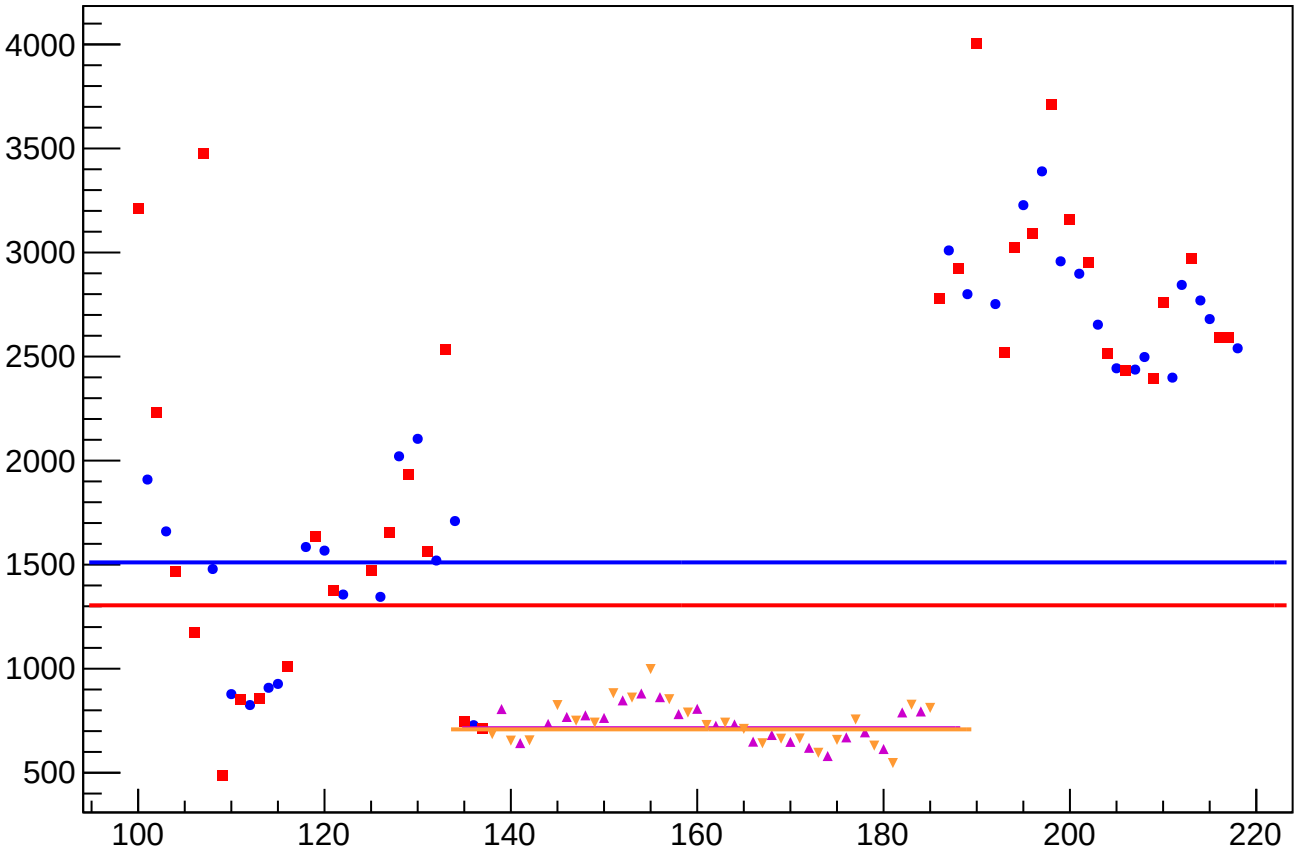
Right Out: -1057.166+/-351.096 χ^2/NDF: 20.1/33

Left In: -230.653+/-168.319 χ^2/NDF:19.9/22

+ sign -715.094+/-152.571 χ^2/NDF: 115.5/55

All: -549.245+/-107.603 χ^2/NDF: 162.3/112

- sign -385.114+/-151.778 χ^2/NDF: 44.5/56



Right In: 1510.826+/-0.270 χ^2/NDF: 8779961.7/31

Left Out: 708.503+/-0.118 χ^2/NDF:700473.3/23

Right Out: 1304.570+/-0.248 χ^2/NDF: 12363948.7/33

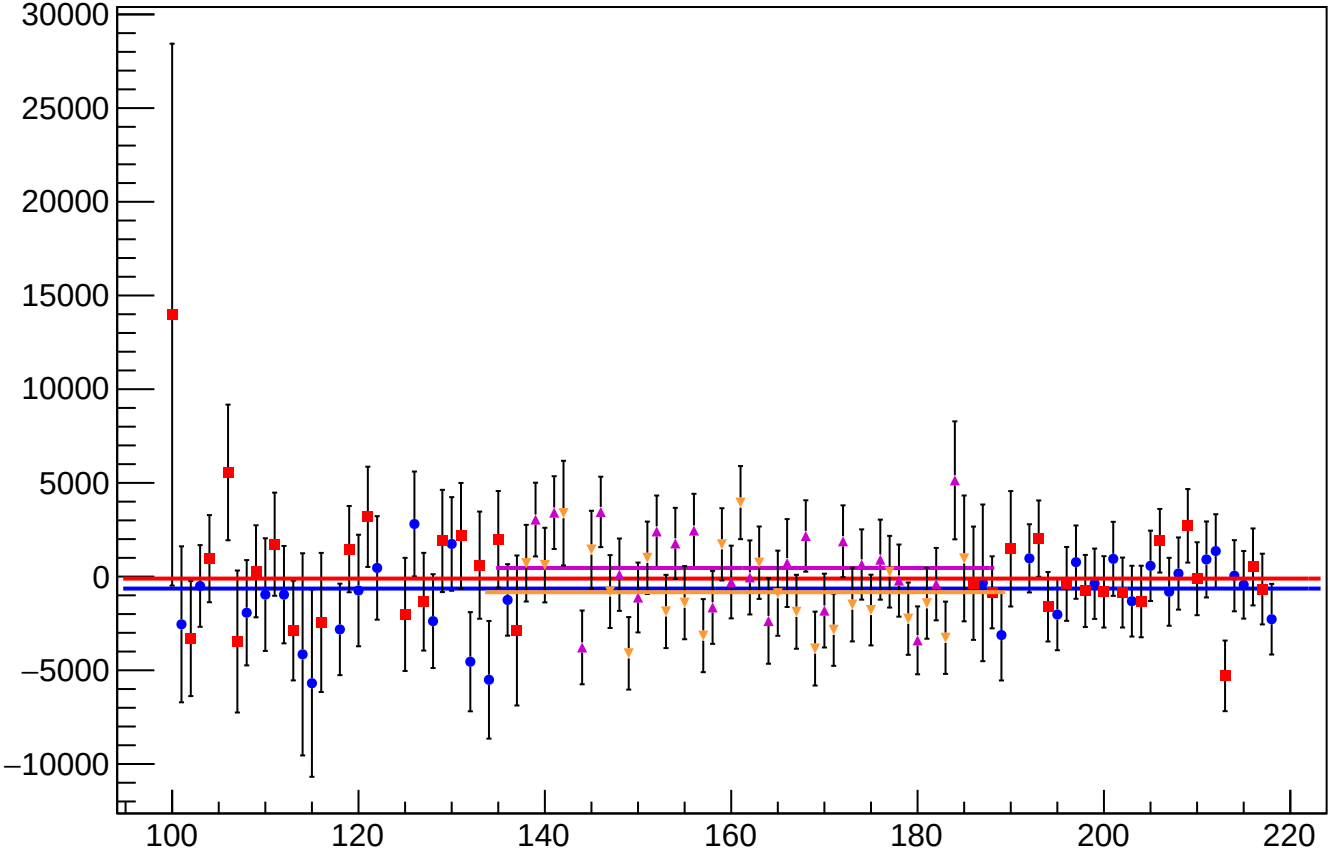
Left In: 714.162+/-0.119 χ^2/NDF:497246.5/22

+ sign 836.718+/-0.108 χ^2/NDF: 16906483.7/55

All: 830.577+/-0.076 χ^2/NDF: 34372844.9/11

- sign 824.499+/-0.107 χ^2/NDF: 17459913.6/56

cor_asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -638.786+/-400.984 χ^2/NDF: 17.2/31

Left Out: -832.476+/-410.448 χ^2/NDF:25.4/23

Right Out: -105.906+/-402.013 χ^2/NDF: 26.7/33

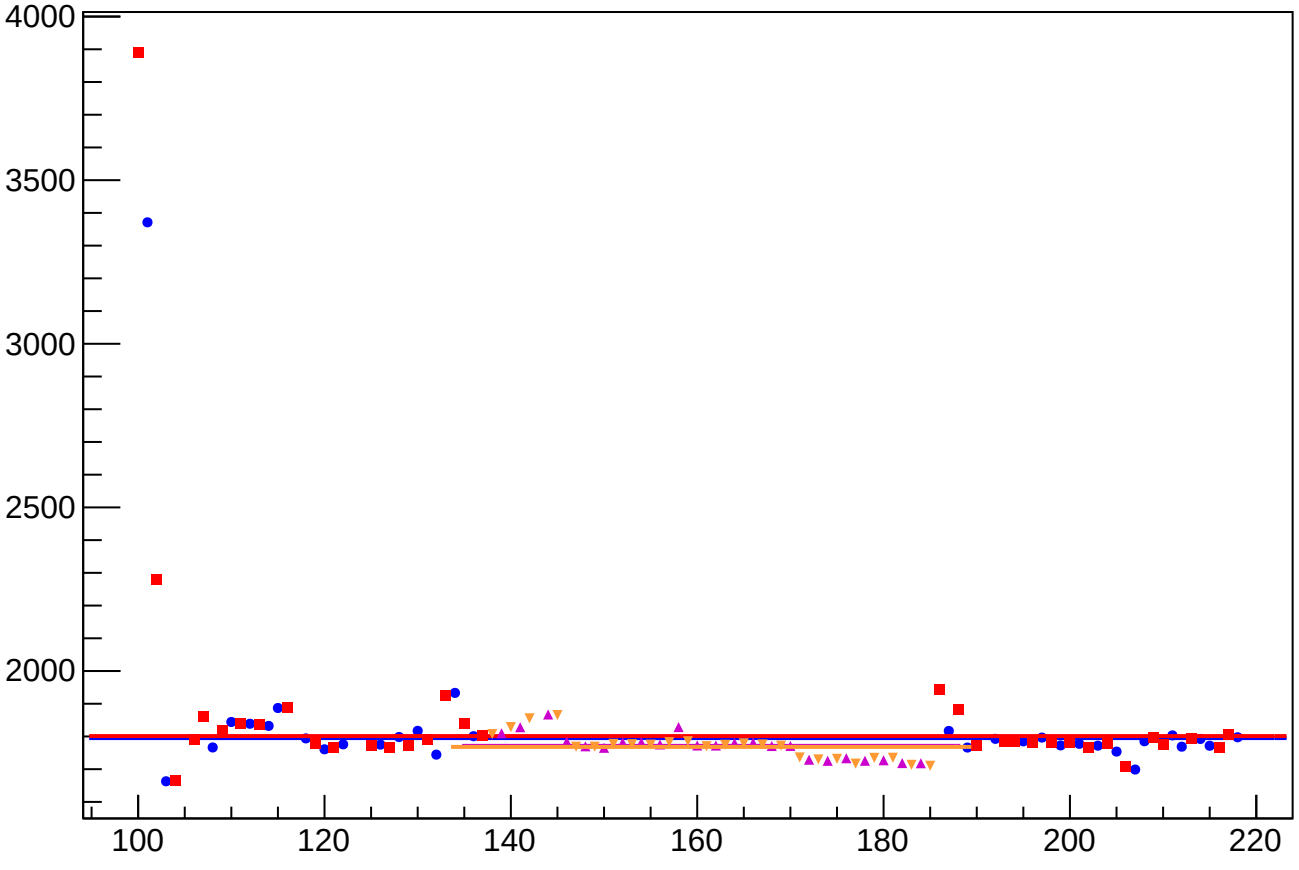
Left In: 459.554+/-413.637 χ^2/NDF:27.3/22

+ sign -733.372+/-286.826 χ^2/NDF: 42.8/55

All: -284.596+/-203.332 χ^2/NDF: 102.6/112

- sign 168.767+/-288.288 χ^2/NDF: 54.9/56

cor_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1795.056+/-0.284 χ^2/NDF: 310016.3/31

Left Out: 1768.125+/-0.290 χ^2/NDF:16358.2/23

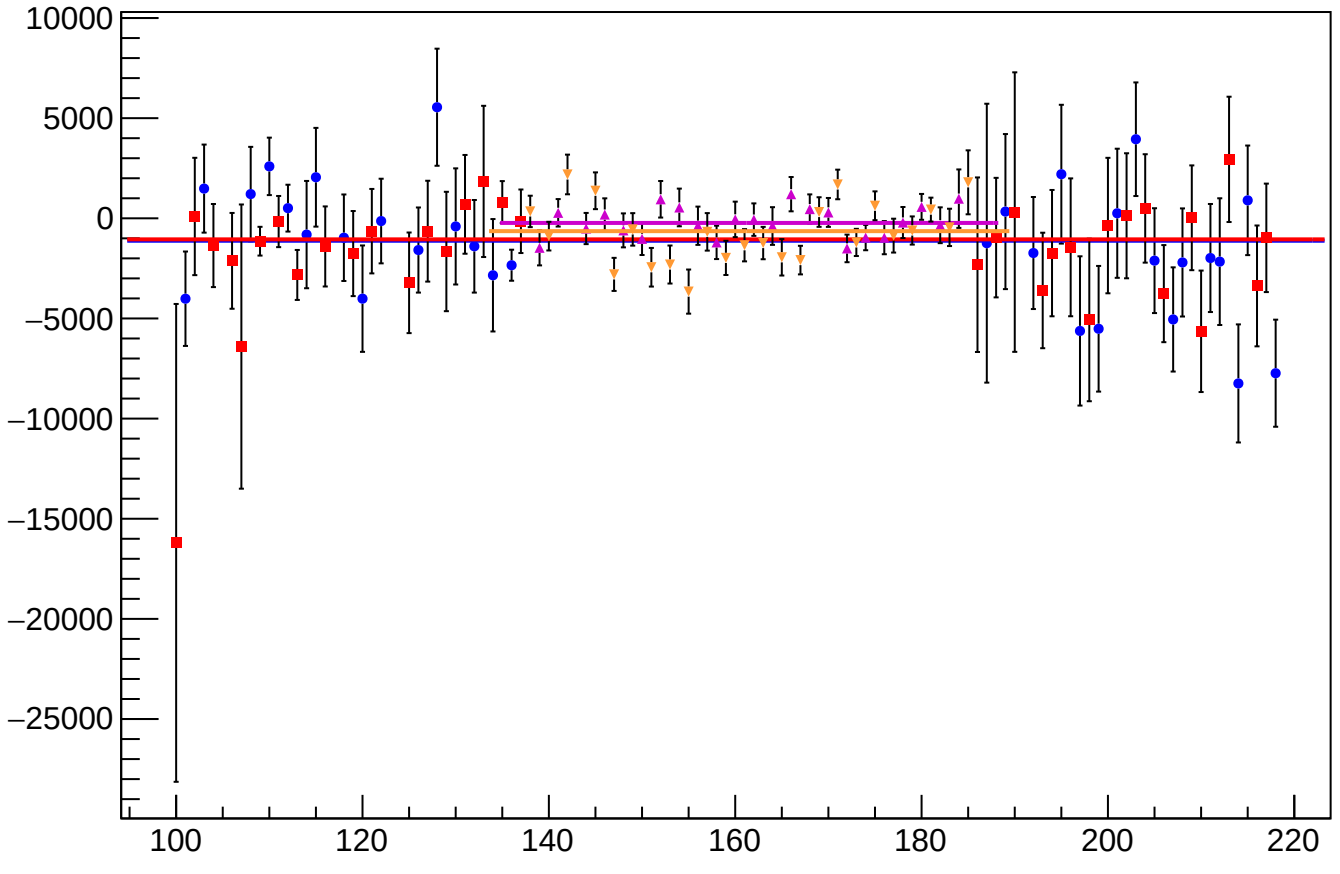
Right Out: 1801.168+/-0.284 χ^2/NDF: 122527.6/33

Left In: 1771.217+/-0.292 χ^2/NDF:16425.7/22

+ sign 1781.905+/-0.203 χ^2/NDF: 330780.0/55

All: 1784.250+/-0.144 χ^2/NDF: 475394.5/112

- sign 1786.620+/-0.204 χ^2/NDF: 144345.7/56



Right In: -1118.941+/-381.897 χ^2/NDF: 47.0/31

Left Out: -641.004+/-166.450 χ^2/NDF:66.7/23

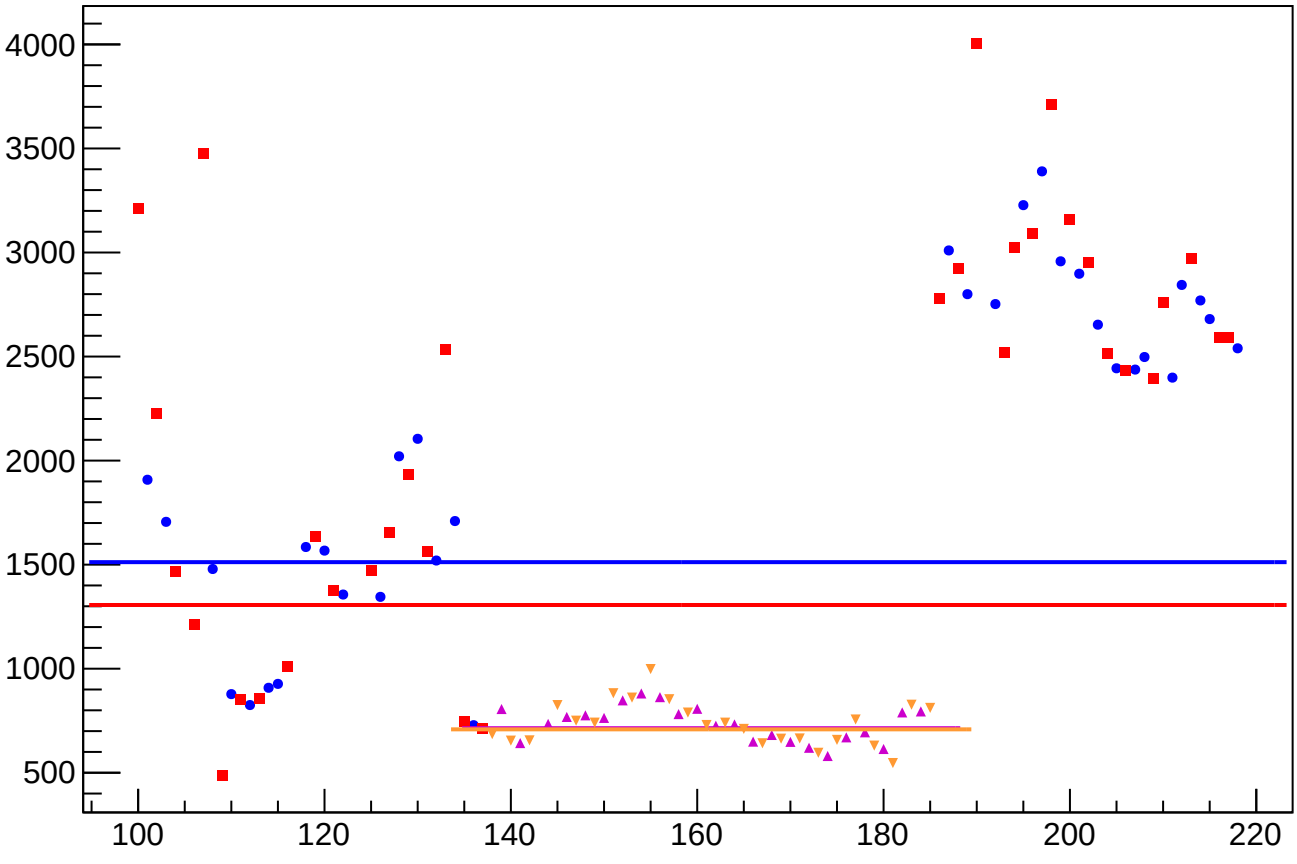
Right Out: -1050.944+/-352.085 χ^2/NDF: 19.0/33

Left In: -230.572+/-168.320 χ^2/NDF:19.9/22

+ sign -717.302+/-152.587 χ^2/NDF: 115.0/55

All: -549.446+/-107.637 χ^2/NDF: 160.8/112

- sign -383.187+/-151.859 χ^2/NDF: 43.4/56



Right In: 1512.020+/-0.270 χ^2/NDF: 8785779.8/31

Left Out: 708.508+/-0.118 χ^2/NDF:700448.7/23

Right Out: 1306.109+/-0.249 χ^2/NDF: 12358396.7/33

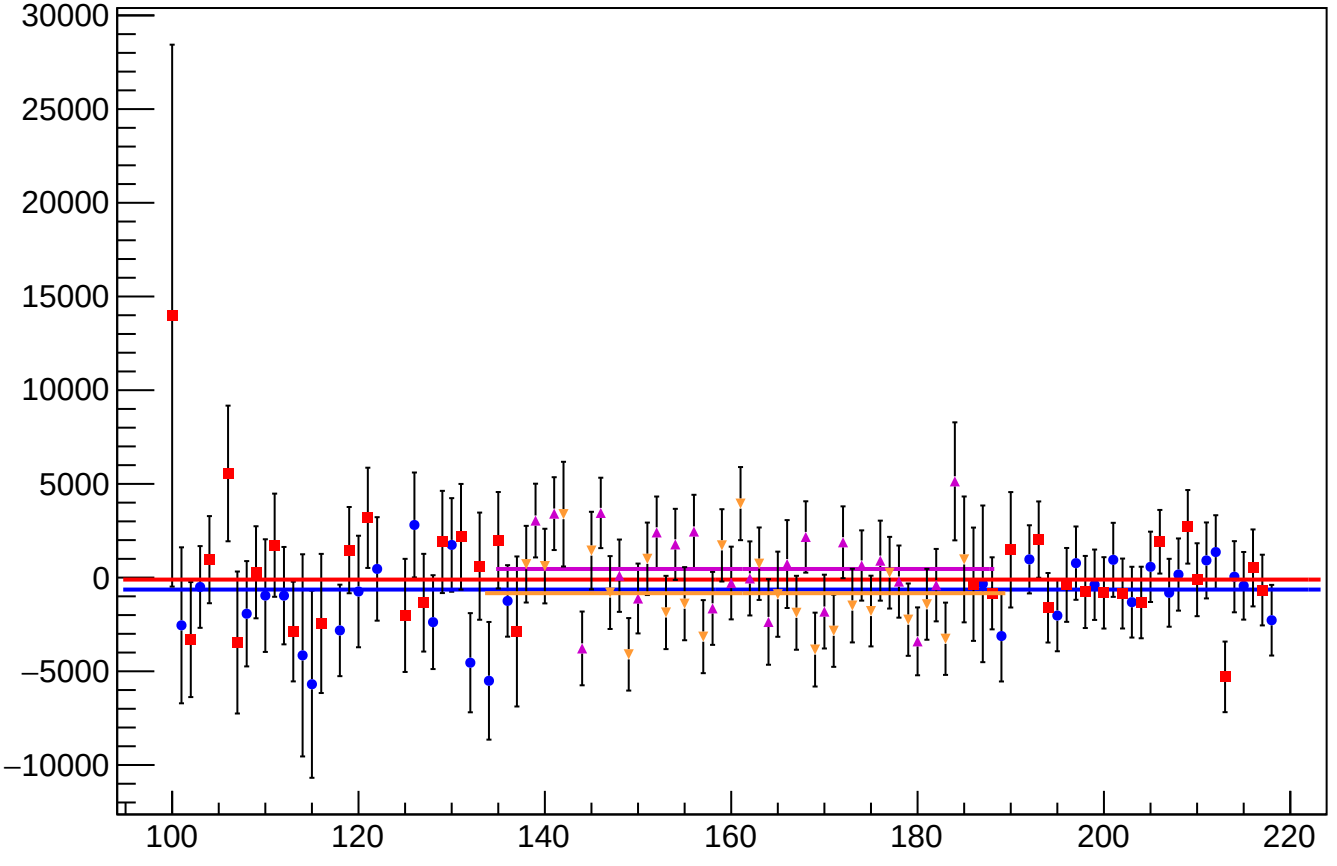
Left In: 714.168+/-0.119 χ^2/NDF:497252.3/22

+ sign 836.781+/-0.108 χ^2/NDF: 16926461.0/55

All: 830.504+/-0.076 χ^2/NDF: 34390343.0/11

- sign 824.288+/-0.107 χ^2/NDF: 17457146.2/56

eigen_cor_asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -638.786+/-400.984 χ^2/NDF: 17.2/31

Left Out: -832.476+/-410.448 χ^2/NDF:25.4/23

Right Out: -105.906+/-402.013 χ^2/NDF: 26.7/33

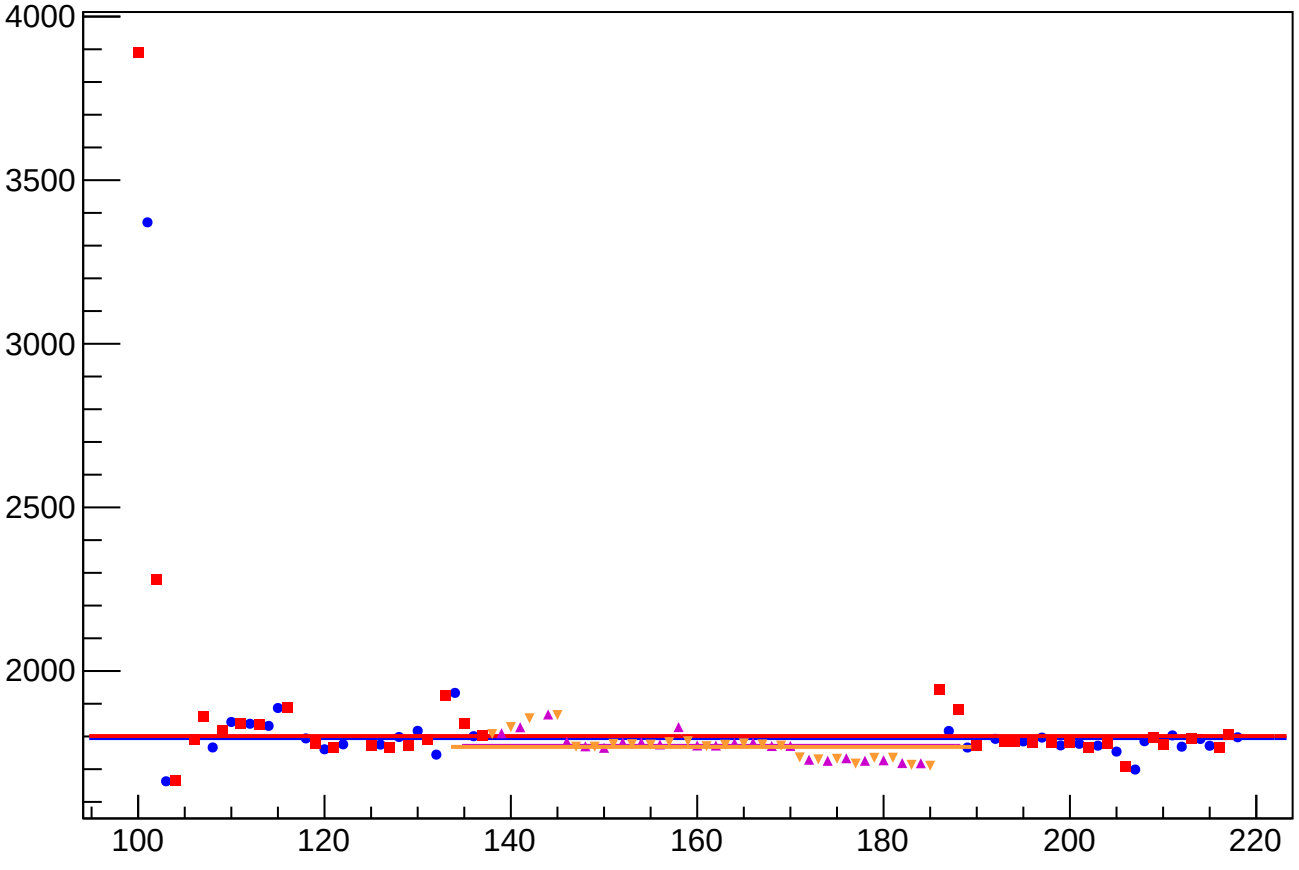
Left In: 459.554+/-413.637 χ^2/NDF:27.3/22

+ sign -733.372+/-286.826 χ^2/NDF: 42.8/55

All: -284.596+/-203.332 χ^2/NDF: 102.6/112

- sign 168.767+/-288.288 χ^2/NDF: 54.9/56

eigen_cor_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1795.056+/-0.284 χ^2/NDF: 310016.3/31

Left Out: 1768.125+/-0.290 χ^2/NDF:16358.2/23

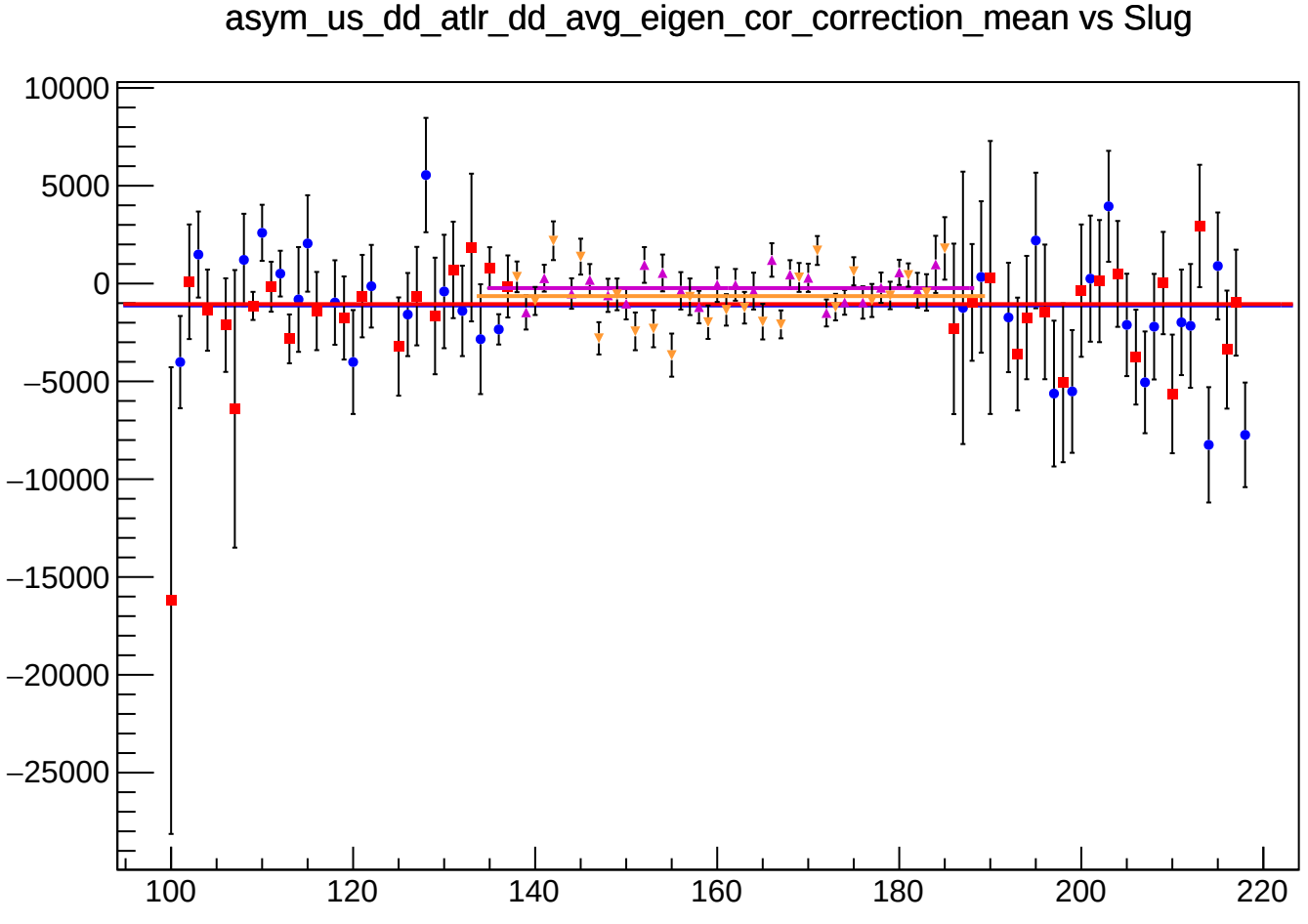
Right Out: 1801.168+/-0.284 χ^2/NDF: 122527.6/33

Left In: 1771.217+/-0.292 χ^2/NDF:16425.7/22

+ sign 1781.905+/-0.203 χ^2/NDF: 330780.0/55

All: 1784.250+/-0.144 χ^2/NDF: 475394.5/112

- sign 1786.620+/-0.204 χ^2/NDF: 144345.7/56



Right In: -1118.941+/-381.897 χ^2/NDF: 47.0/31

Left Out: -641.004+/-166.450 χ^2/NDF:66.7/23

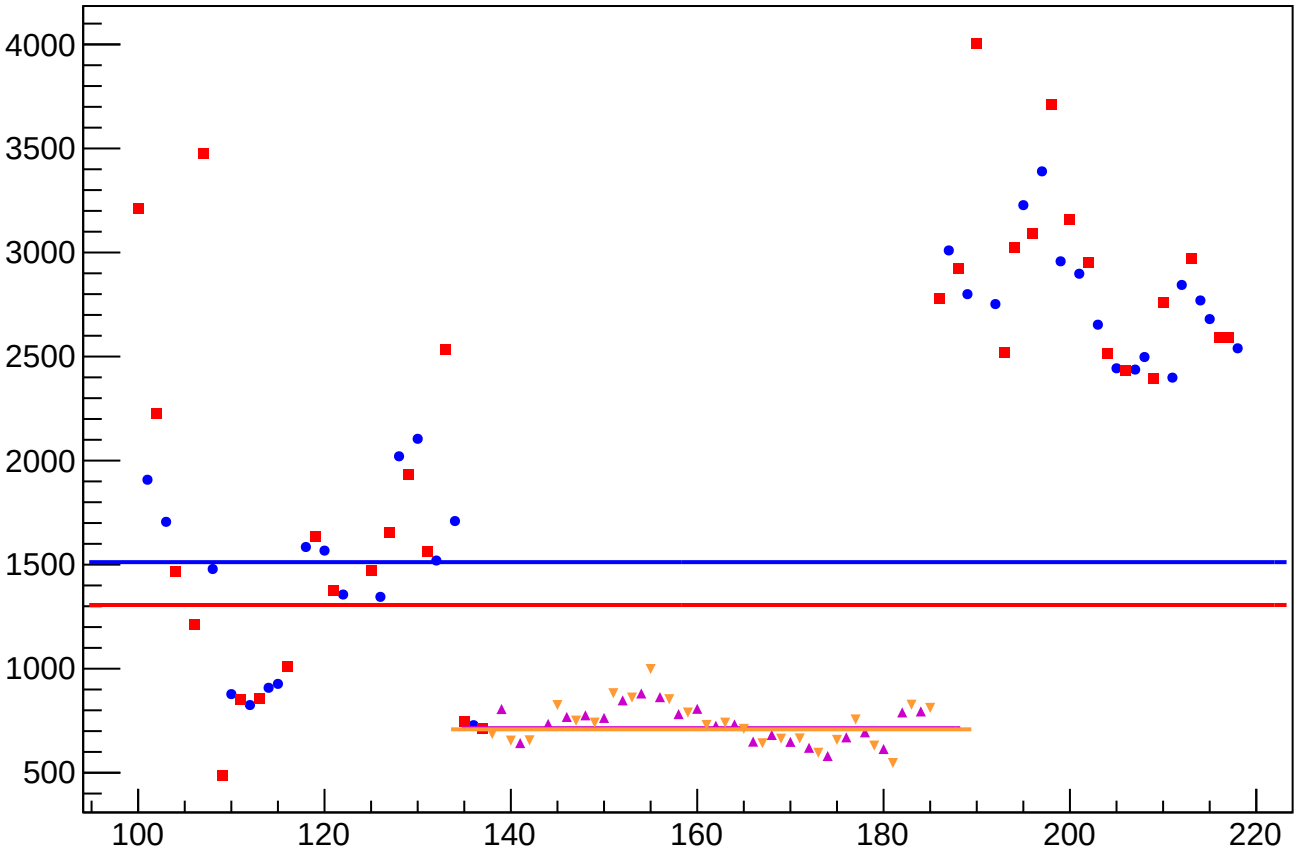
Right Out: -1050.944+/-352.085 χ^2/NDF: 19.0/33

Left In: -230.572+/-168.320 χ^2/NDF:19.9/22

+ sign -717.302+/-152.587 χ^2/NDF: 115.0/55

All: -549.446+/-107.637 χ^2/NDF: 160.8/112

- sign -383.187+/-151.859 χ^2/NDF: 43.4/56



Right In: 1512.020+/-0.270 χ^2/NDF: 8785779.8/31

Left Out: 708.508+/-0.118 χ^2/NDF:700448.7/23

Right Out: 1306.109+/-0.249 χ^2/NDF: 12358396.7/33

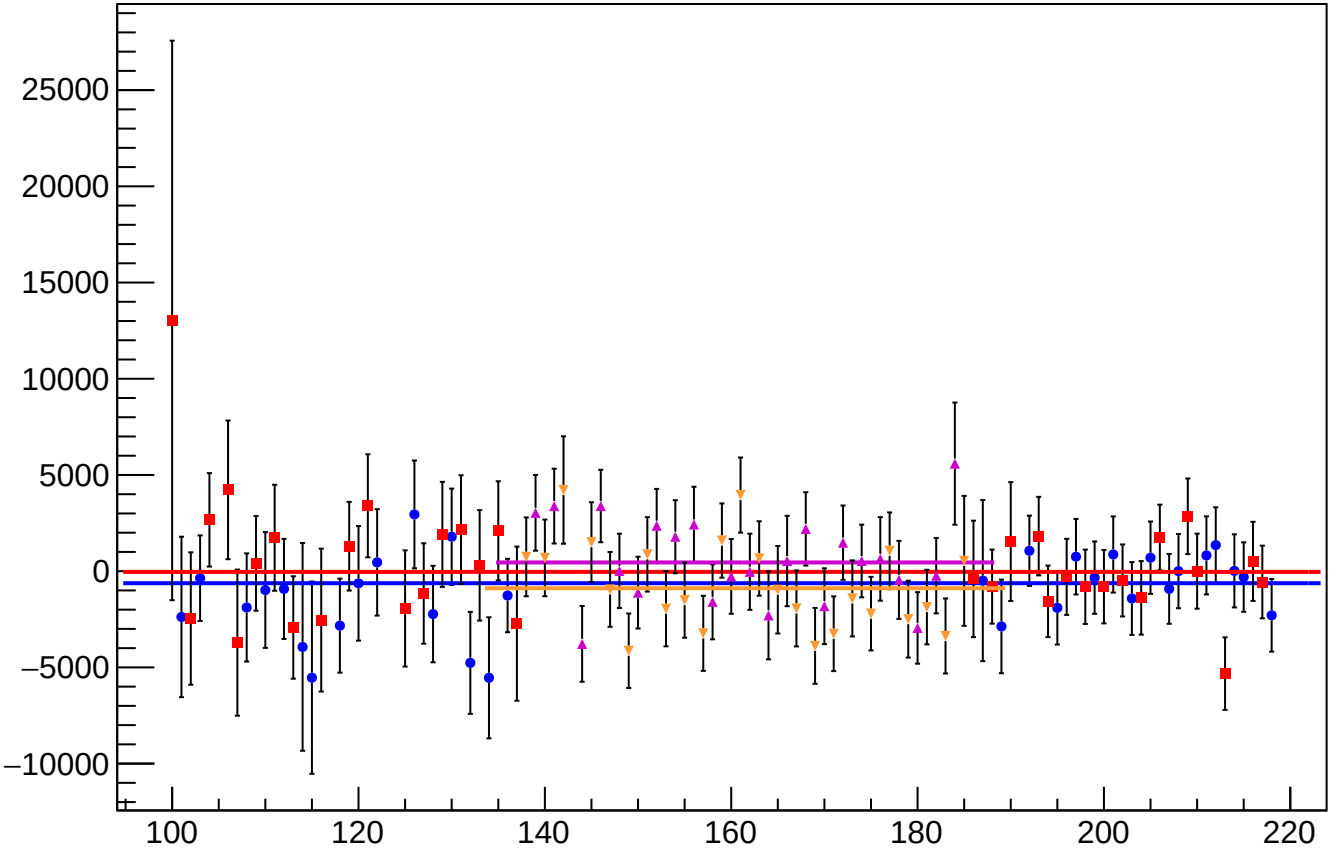
Left In: 714.168+/-0.119 χ^2/NDF:497252.3/22

\+ sign 836.781+/-0.108 χ^2/NDF: 16926461.0/55

All: 830.504+/-0.076 χ^2/NDF: 34390343.0/11

\- sign 824.288+/-0.107 χ^2/NDF: 17457146.2/56

dit_asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -625.081+/-401.791 χ^2/NDF: 17.2/31

Left Out: -886.354+/-413.227 χ^2/NDF:28.1/23

Right Out: -36.019+/-403.786 χ^2/NDF: 25.9/33

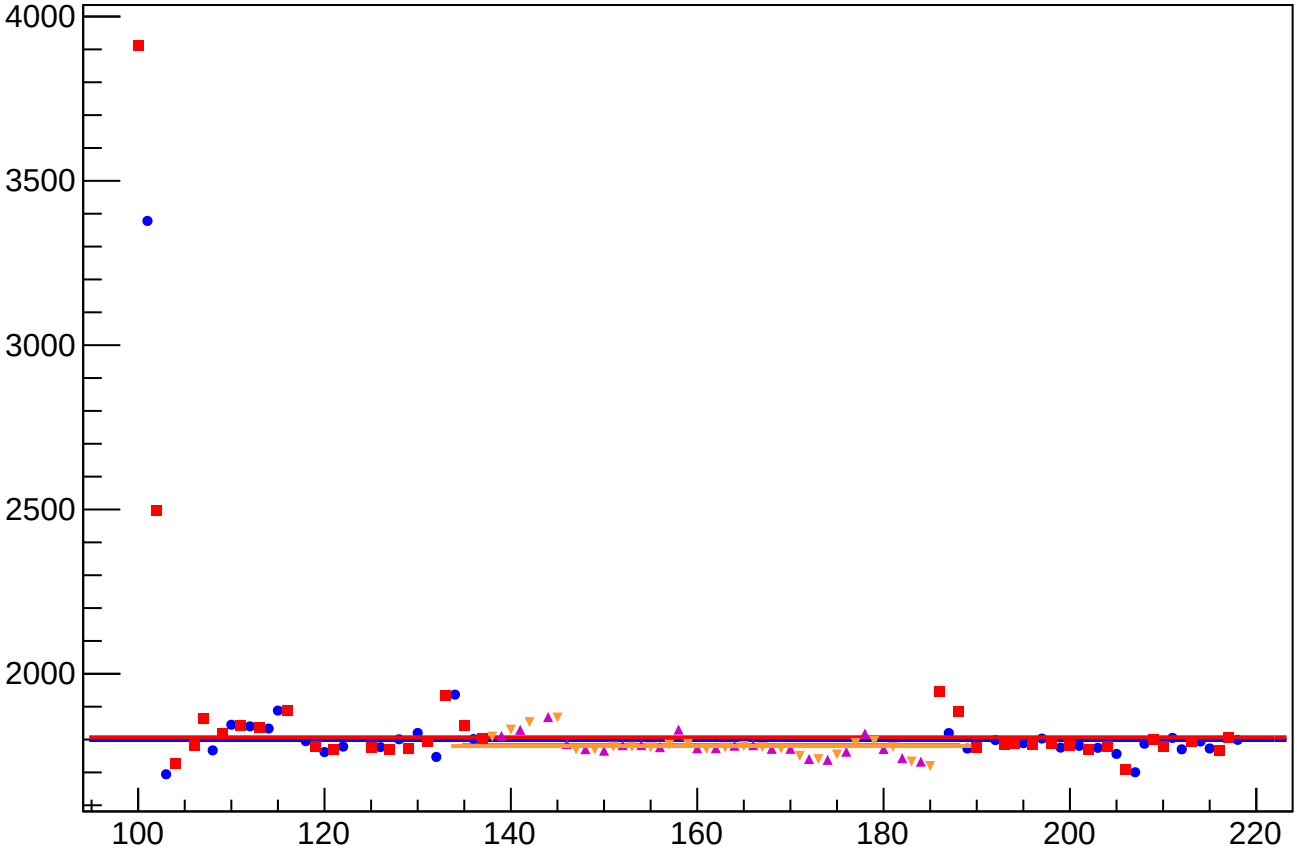
Left In: 453.237+/-416.200 χ^2/NDF:25.8/22

+ sign -752.052+/-288.067 χ^2/NDF: 45.5/55

All: -278.297+/-204.307 χ^2/NDF: 103.4/112

- sign 201.203+/-289.809 χ^2/NDF: 52.4/56

dit_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1798.692+/-0.284 χ^2/NDF: 307467.5/31

Left Out: 1780.220+/-0.292 χ^2/NDF:10380.2/23

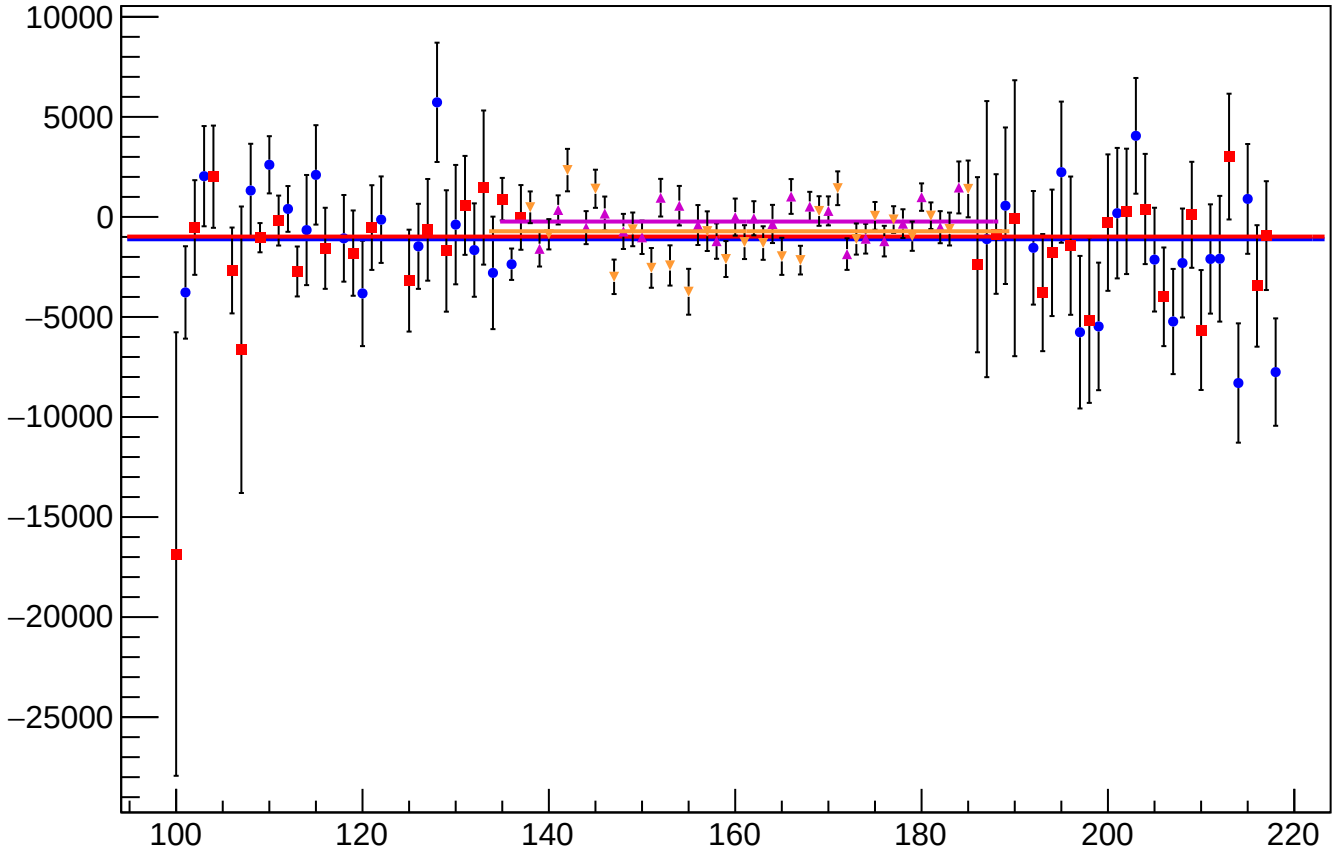
Right Out: 1806.850+/-0.286 χ^2/NDF: 150542.0/33

Left In: 1782.298+/-0.294 χ^2/NDF:11232.1/22

+ sign 1789.716+/-0.204 χ^2/NDF: 319902.0/55

All: 1792.315+/-0.144 χ^2/NDF: 485589.1/112

- sign 1794.946+/-0.205 χ^2/NDF: 165359.4/56



Right In: -1116.709+/-384.933 χ^2/NDF: 47.1/31

Left Out: -716.600+/-170.602 χ^2/NDF:59.4/23

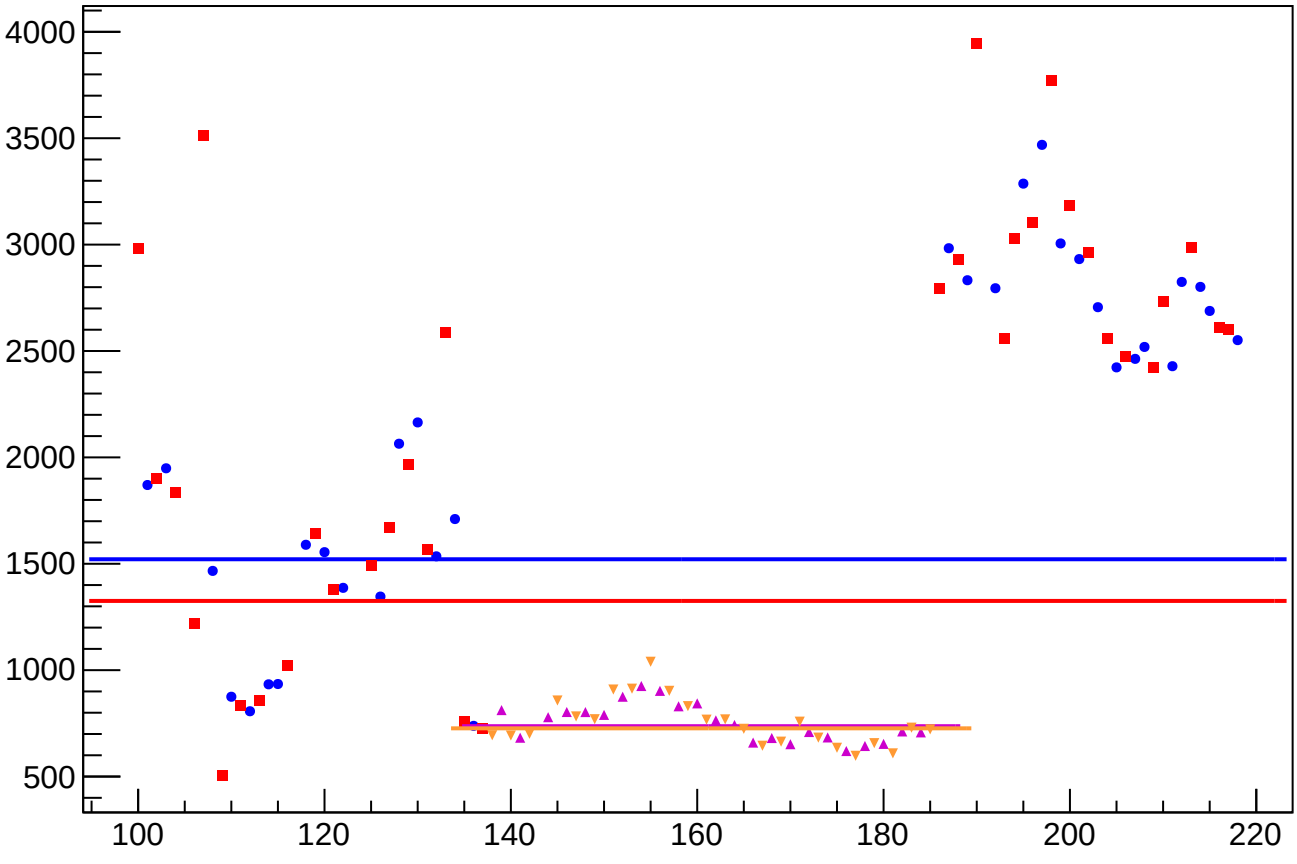
Right Out: -982.216+/-354.300 χ^2/NDF: 21.4/33

Left In: -231.320+/-173.436 χ^2/NDF:24.1/22

+ sign -782.289+/-155.970 χ^2/NDF: 107.3/55

All: -579.124+/-110.218 χ^2/NDF: 159.8/112

- sign -376.472+/-155.773 χ^2/NDF: 49.1/56



Right In: 1521.216+/-0.272 χ^2/NDF: 8920433.4/31

Left Out: 726.604+/-0.121 χ^2/NDF:684784.1/23

Right Out: 1325.407+/-0.251 χ^2/NDF: 12227751.2/33

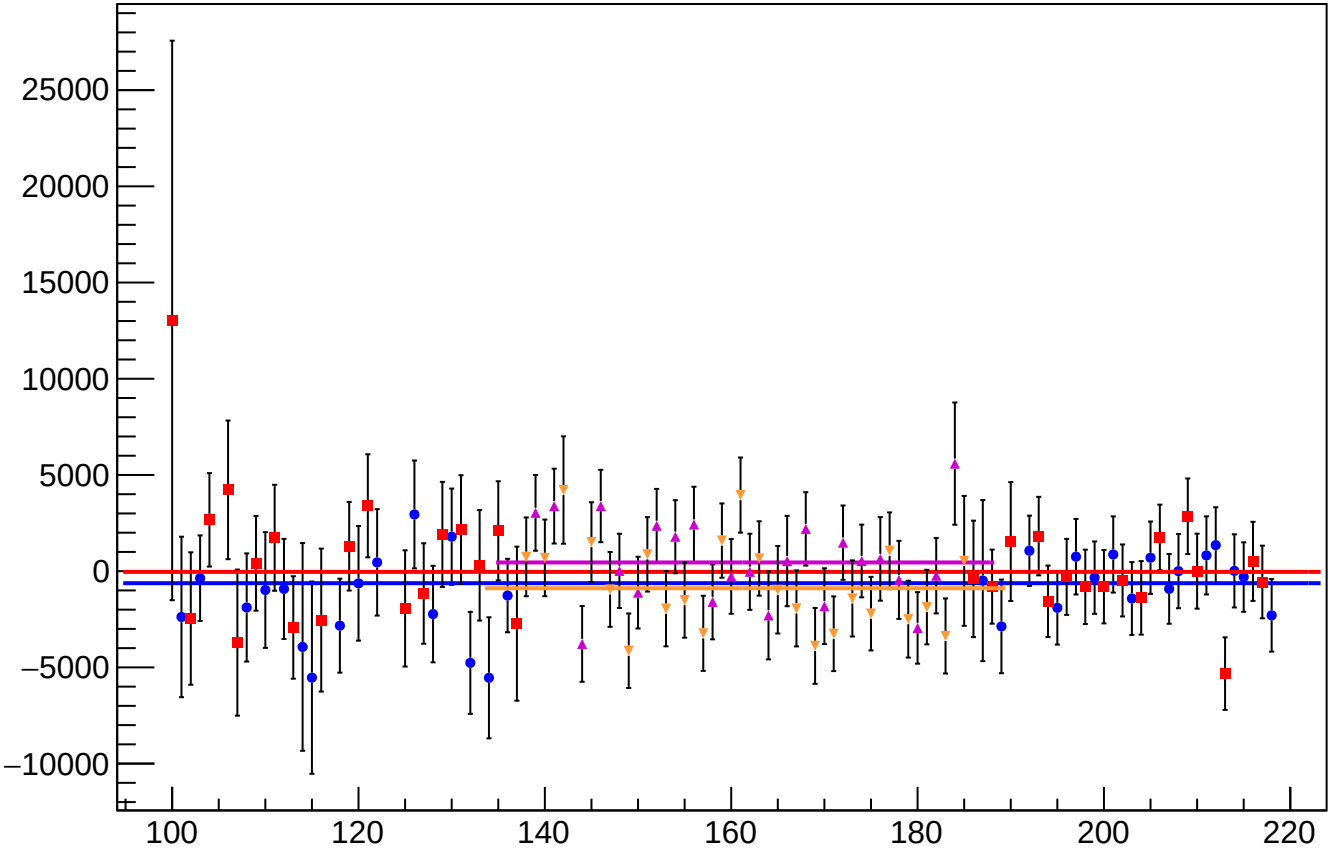
Left In: 736.709+/-0.123 χ^2/NDF:465041.6/22

+ sign 857.062+/-0.110 χ^2/NDF: 16728549.7/55

All: 853.781+/-0.078 χ^2/NDF: 33877431.0/11

- sign 850.508+/-0.110 χ^2/NDF: 17147113.2/56

eigen_dit_asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -625.079+/-401.791 χ^2/NDF: 17.2/31

Left Out: -886.352+/-413.227 χ^2/NDF:28.1/23

Right Out: -36.016+/-403.786 χ^2/NDF: 25.9/33

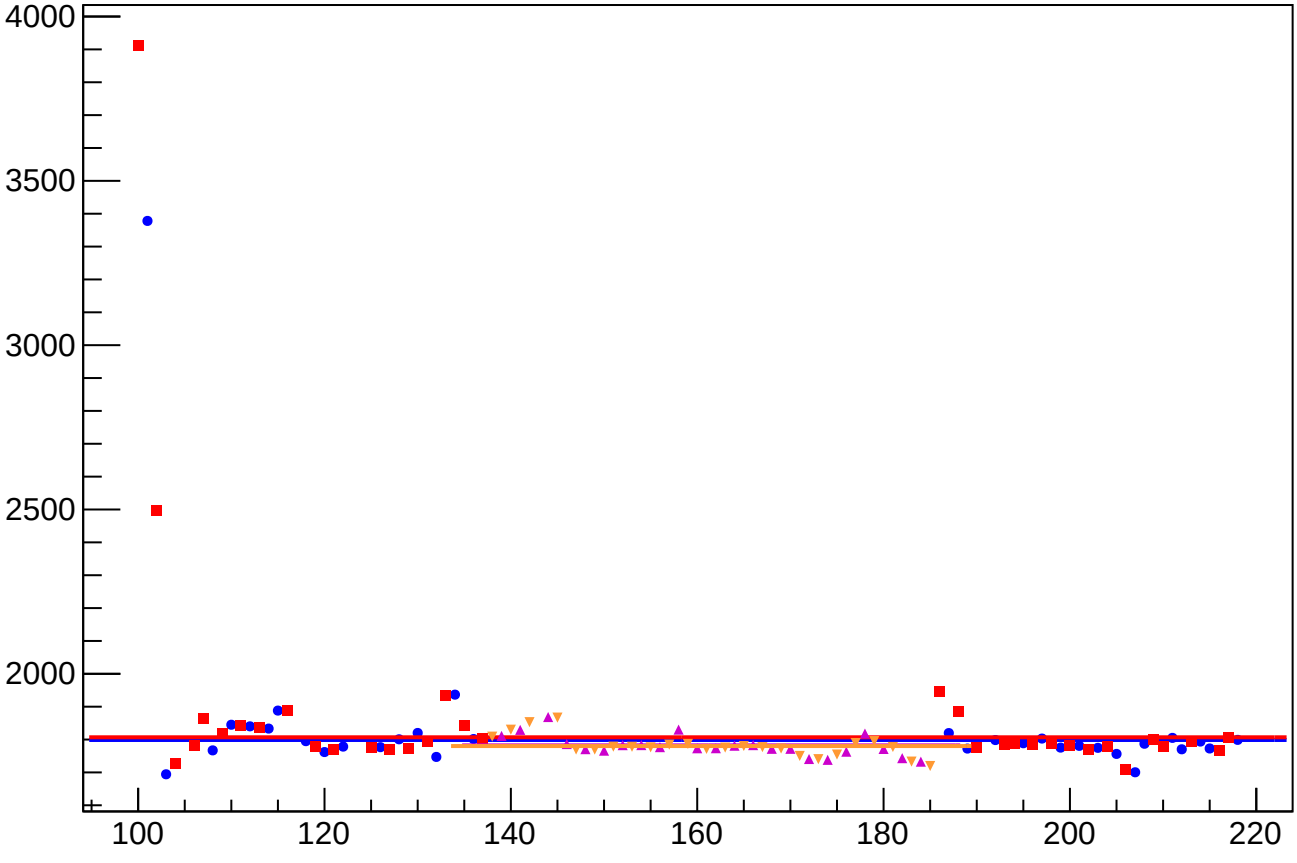
Left In: 453.236+/-416.200 χ^2/NDF:25.8/22

+ sign -752.050+/-288.067 χ^2/NDF: 45.5/55

All: -278.296+/-204.307 χ^2/NDF: 103.4/112

- sign 201.205+/-289.809 χ^2/NDF: 52.4/56

eigen_dit_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1798.692+/-0.284 χ^2/NDF: 307467.5/31

Left Out: 1780.220+/-0.292 χ^2/NDF:10380.2/23

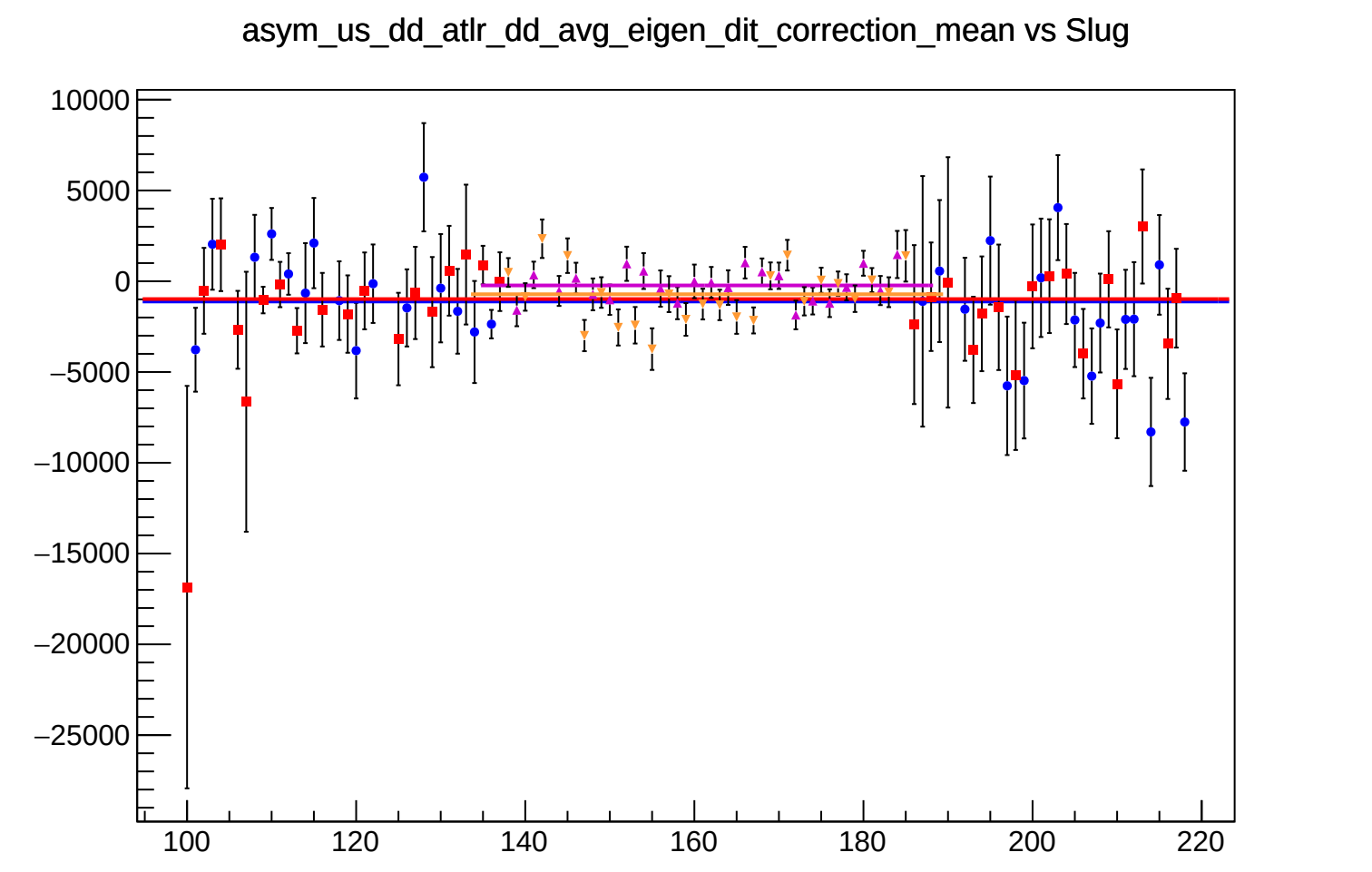
Right Out: 1806.850+/-0.286 χ^2/NDF: 150542.1/33

Left In: 1782.298+/-0.294 χ^2/NDF:11232.1/22

+ sign 1789.715+/-0.204 χ^2/NDF: 319902.0/55

All: 1792.315+/-0.144 χ^2/NDF: 485589.2/112

- sign 1794.946+/-0.205 χ^2/NDF: 165359.5/56



Right In: -1116.700+/-384.933 χ^2/NDF: 47.1/31

Left Out: -716.601+/-170.602 χ^2/NDF:59.4/23

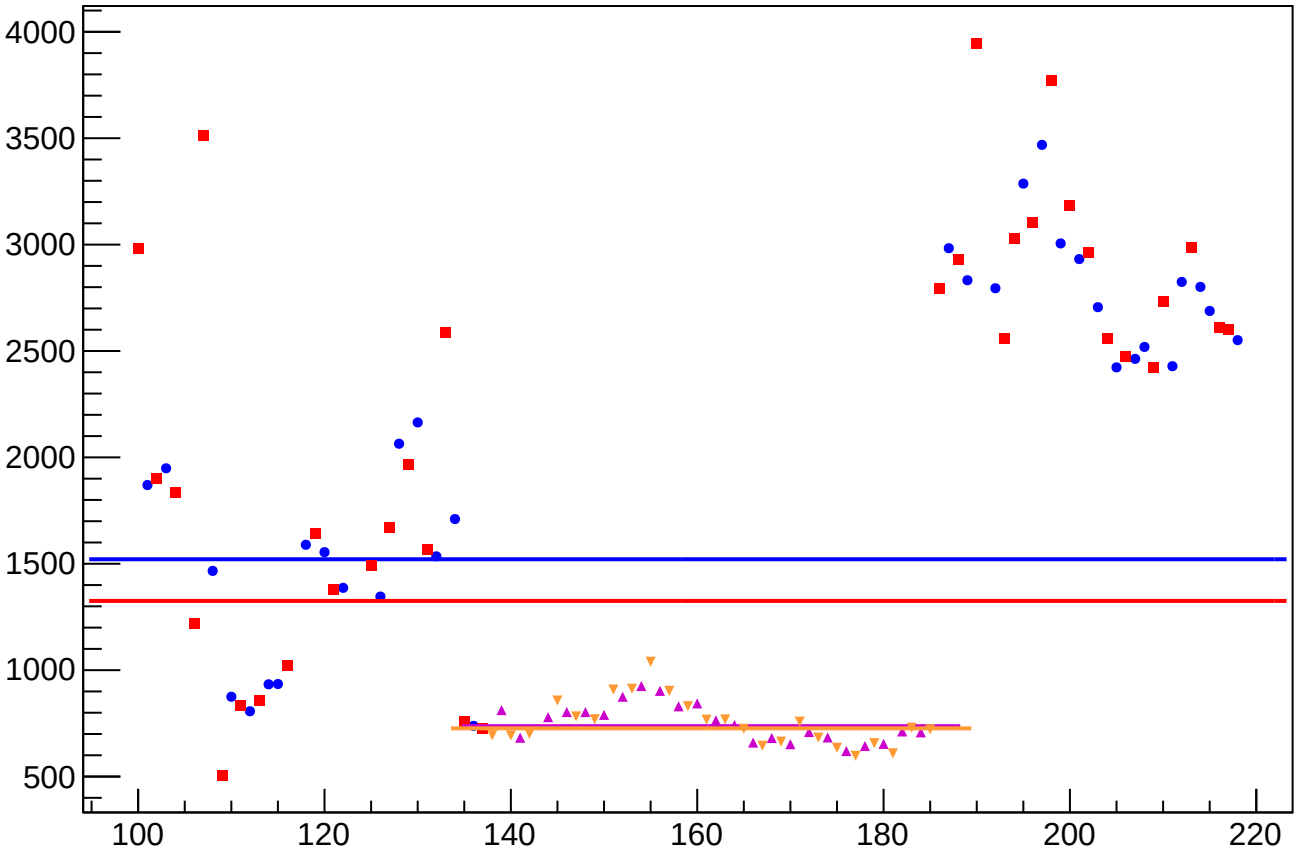
Right Out: -982.221+/-354.301 χ^2/NDF: 21.4/33

Left In: -231.318+/-173.435 χ^2/NDF:24.1/22

+ sign -782.288+/-155.970 χ^2/NDF: 107.3/55

All: -579.123+/-110.218 χ^2/NDF: 159.8/112

- sign -376.471+/-155.773 χ^2/NDF: 49.1/56



Right In: 1521.219+/-0.272 χ^2/NDF: 8920374.1/31

Left Out: 726.605+/-0.121 χ^2/NDF:684780.2/23

Right Out: 1325.410+/-0.251 χ^2/NDF: 12227711.4/33

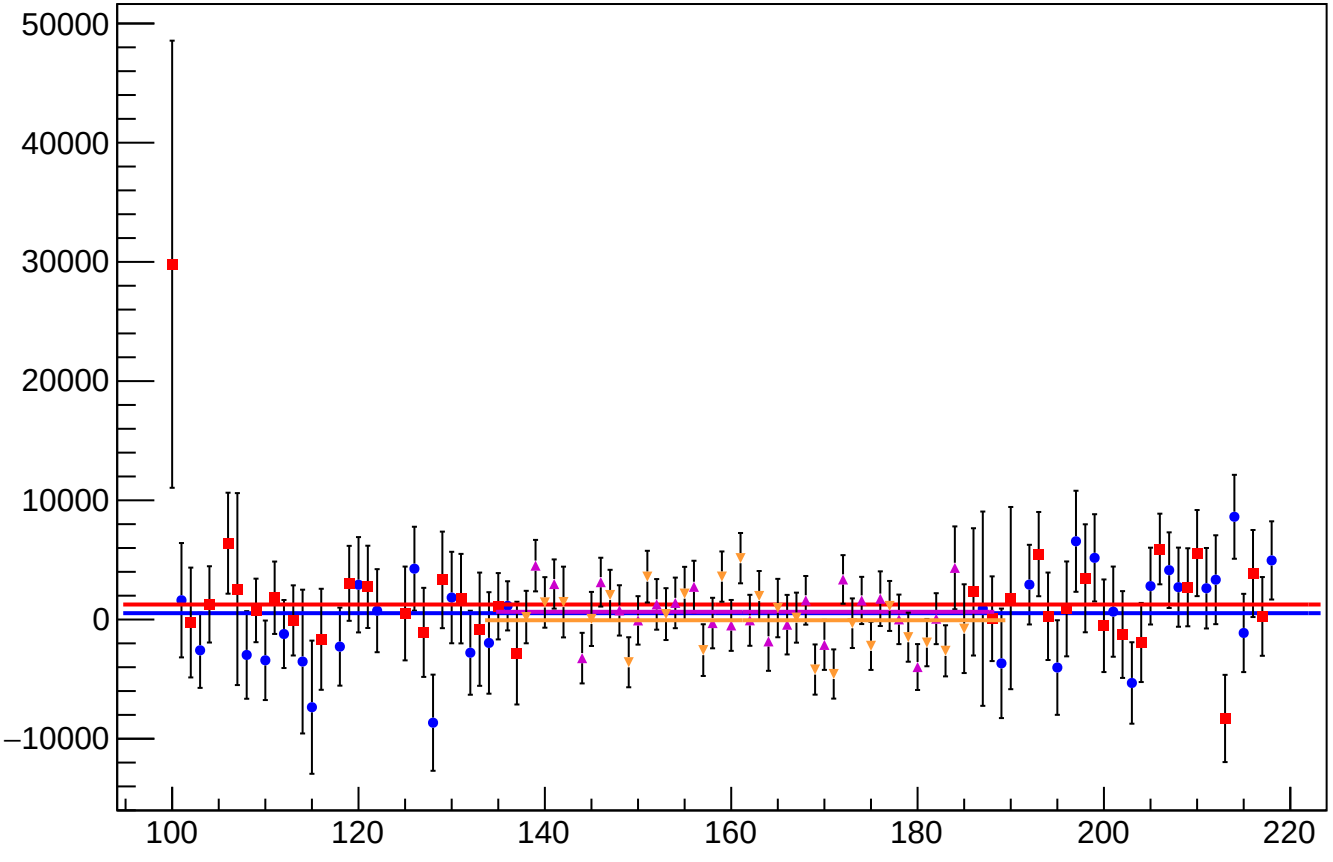
Left In: 736.709+/-0.123 χ^2/NDF:465053.4/22

+ sign 857.062+/-0.110 χ^2/NDF: 16728521.1/55

All: 853.781+/-0.078 χ^2/NDF: 33877415.3/11

- sign 850.507+/-0.110 χ^2/NDF: 17147125.8/56

asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: 532.641+/-629.507 χ^2/NDF: 34.8/31

Left Out: -59.589+/-445.601 χ^2/NDF:33.0/23

Right Out: 1259.657+/-635.597 χ^2/NDF: 22.0/33

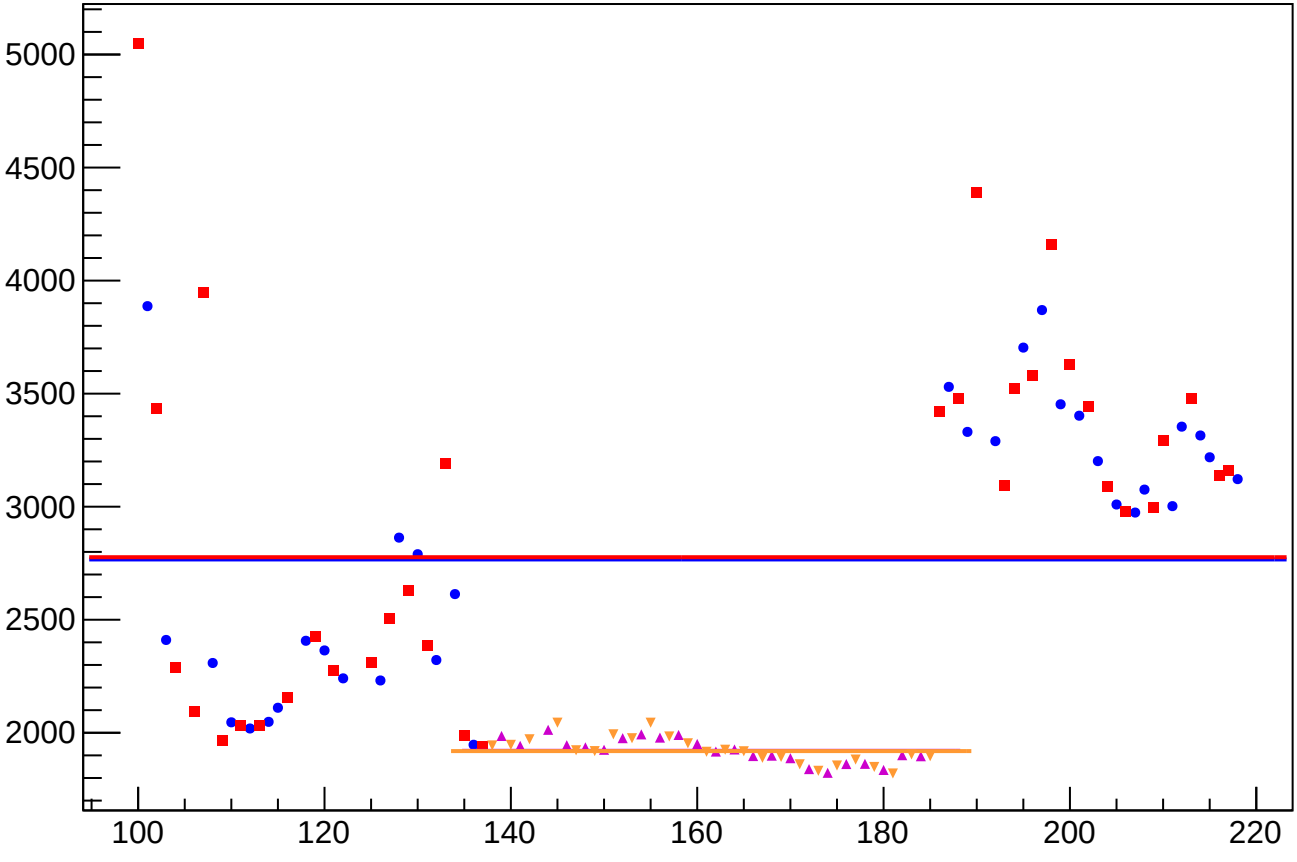
Left In: 646.910+/-448.538 χ^2/NDF:23.7/22

+ sign 138.100+/-363.703 χ^2/NDF: 68.4/55

All: 491.654+/-258.151 χ^2/NDF: 116.5/112

- sign 850.615+/-366.474 χ^2/NDF: 46.3/56

asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 2766.648+/-0.445 χ^2/NDF: 1649547.5/31

Left Out: 1918.975+/-0.315 χ^2/NDF:35574.5/23

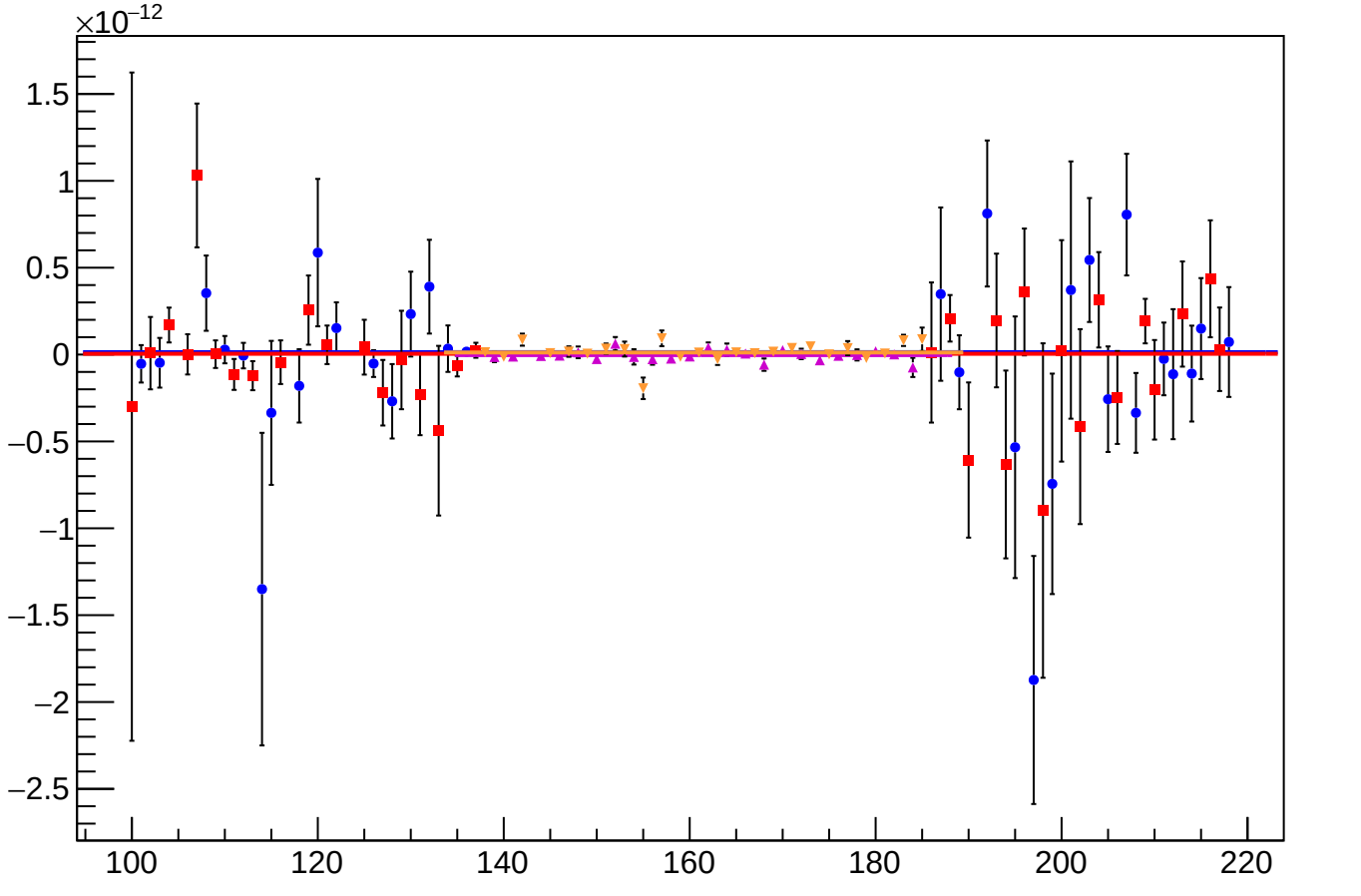
Right Out: 2776.529+/-0.449 χ^2/NDF: 1993648.4/33

Left In: 1920.214+/-0.317 χ^2/NDF:29912.0/22

\+ sign 2201.933+/-0.257 χ^2/NDF: 4101070.3/55

All: 2203.403+/-0.183 χ^2/NDF: 8548075.6/11

\- sign 2204.895+/-0.259 χ^2/NDF: 4446939.5/56



Right In: 0.000+/-0.000 χ^2/NDF: 39.5/31

Left Out: 0.000+/-0.000 χ^2/NDF:38.1/23

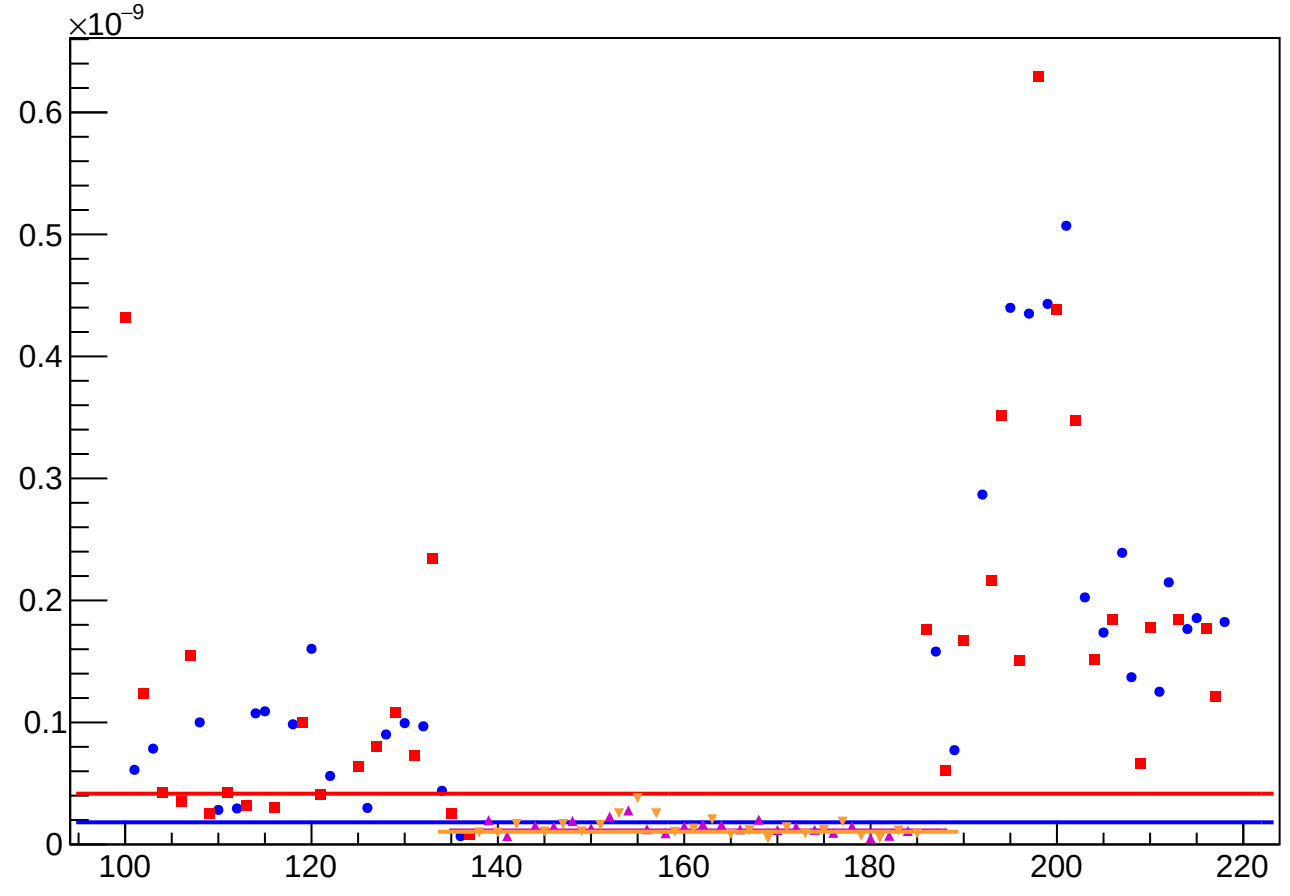
Right Out: 0.000+/-0.000 χ^2/NDF: 35.1/33

Left In: -0.000+/-0.000 χ^2/NDF:19.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 77.6/55

All: 0.000+/-0.000 χ^2/NDF: 137.4/112

- sign -0.000+/-0.000 χ^2/NDF: 54.8/56



Right In: 0.000+/-0.000 χ^2/NDF: 13169666.8/31

Left Out: 0.000+/-0.000 χ^2/NDF:2075235.5/23

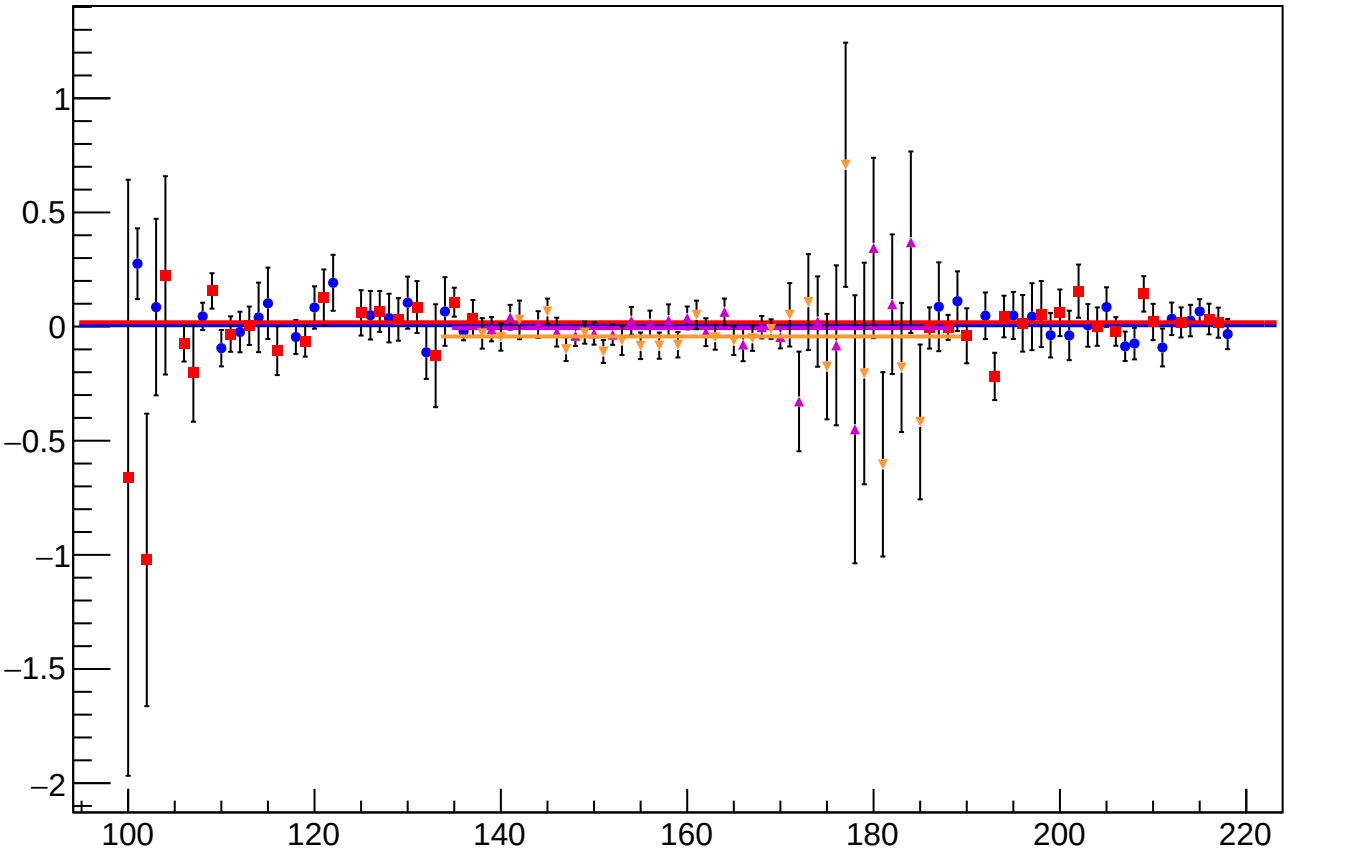
Right Out: 0.000+/-0.000 χ^2/NDF: 8964429.9/33

Left In: 0.000+/-0.000 χ^2/NDF:1894438.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 15808473.9/55

All: 0.000+/-0.000 χ^2/NDF: 30170770.5/112

- sign 0.000+/-0.000 χ^2/NDF: 14236765.0/56



Right In: 0.006+/-0.015 χ^2/NDF: 20.8/31

Left Out: -0.043+/-0.014 χ^2/NDF:18.9/23

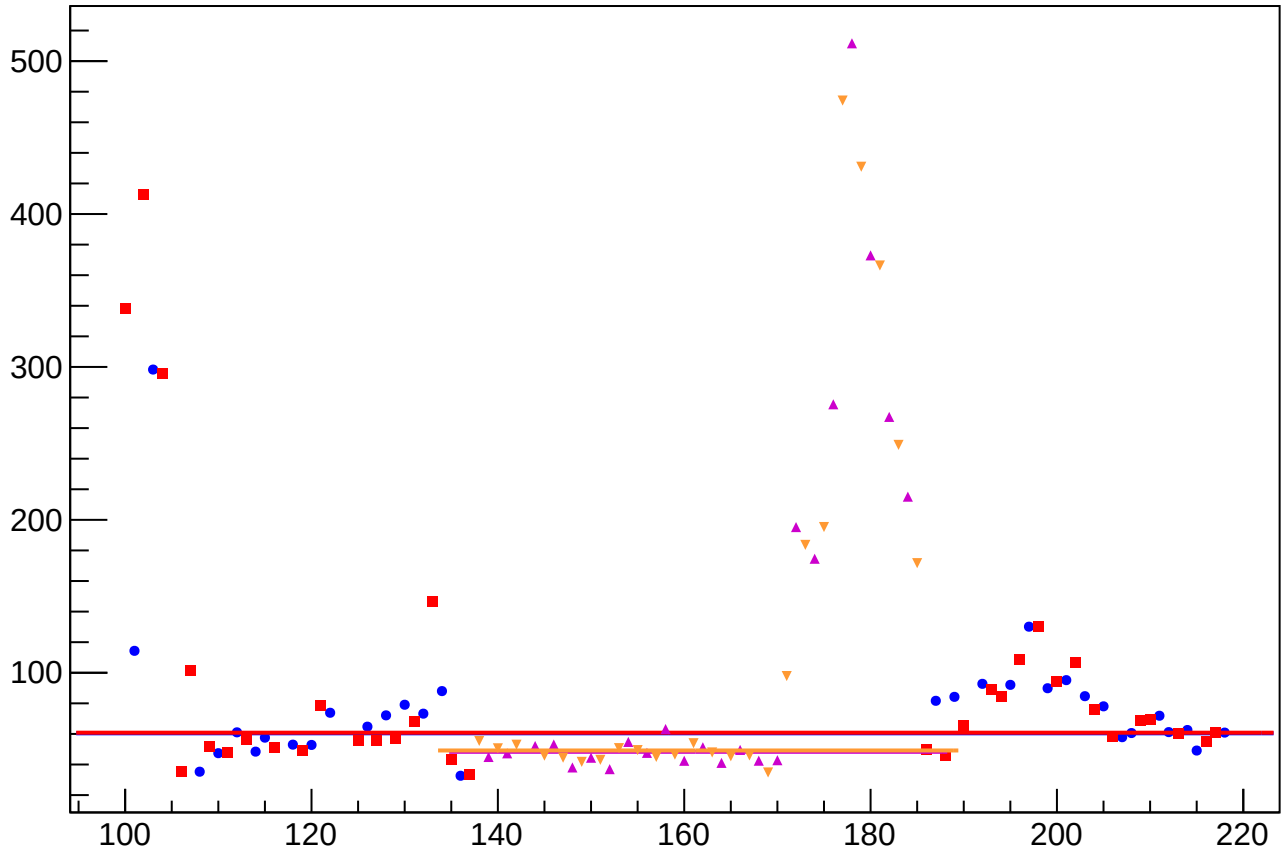
Right Out: 0.019+/-0.015 χ^2/NDF: 26.5/33

Left In: -0.007+/-0.014 χ^2/NDF:11.3/22

+ sign -0.021+/-0.010 χ^2/NDF: 45.5/55

All: -0.008+/-0.007 χ^2/NDF: 87.8/112

- sign 0.005+/-0.010 χ^2/NDF: 39.3/56



Right In: 60.403+/-0.011 χ^2/NDF: 4335243.0/31

Left Out: 49.180+/-0.010 χ^2/NDF:7250092.4/23

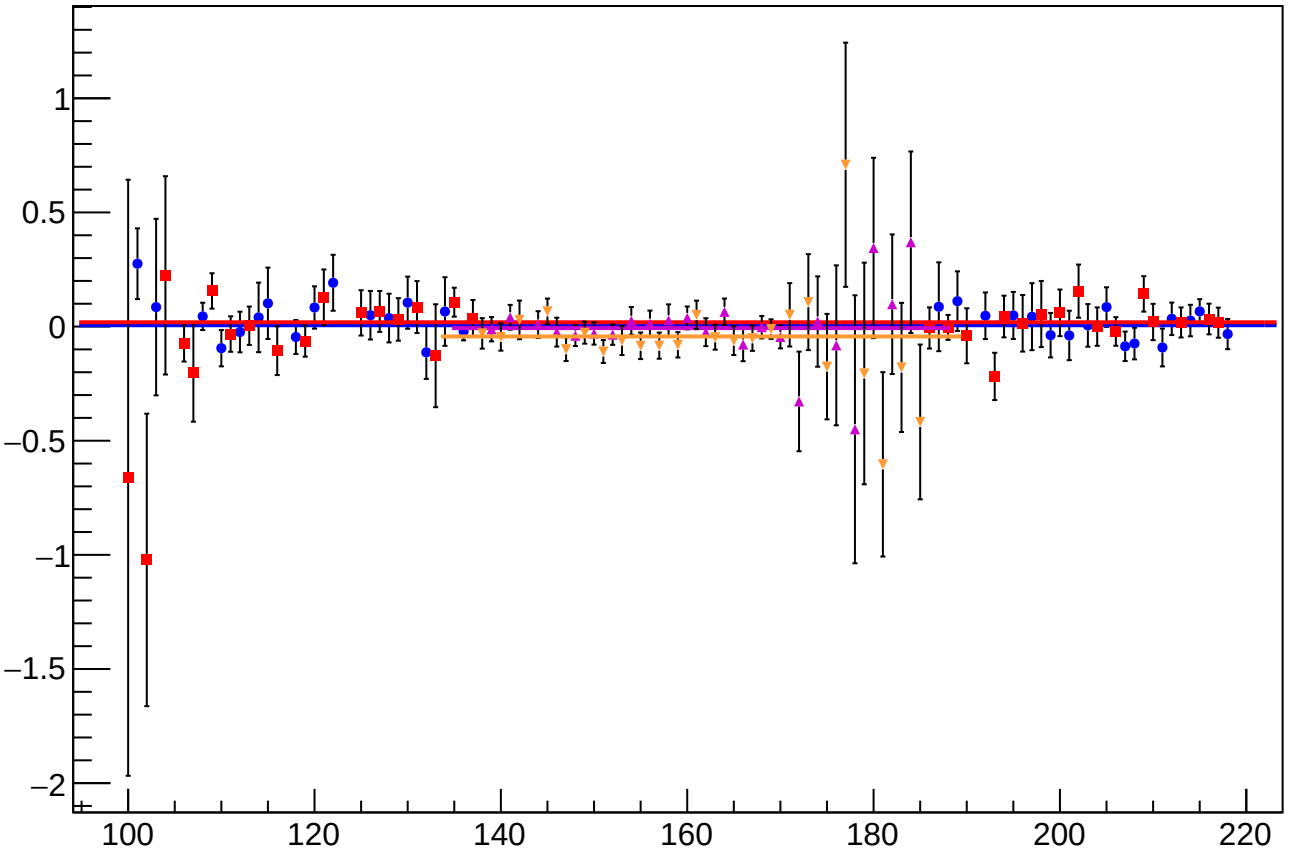
Right Out: 60.813+/-0.011 χ^2/NDF: 4335289.4/33

Left In: 48.307+/-0.010 χ^2/NDF:7040663.5/22

\+ sign 54.355+/-0.007 χ^2/NDF: 12185996.3/55

All: 54.080+/-0.005 χ^2/NDF: 24317546.9/112

\- sign 53.810+/-0.007 χ^2/NDF: 12128676.7/56



Right In: 0.006+/-0.015 χ^2/NDF: 20.8/31

Left Out: -0.043+/-0.014 χ^2/NDF:18.9/23

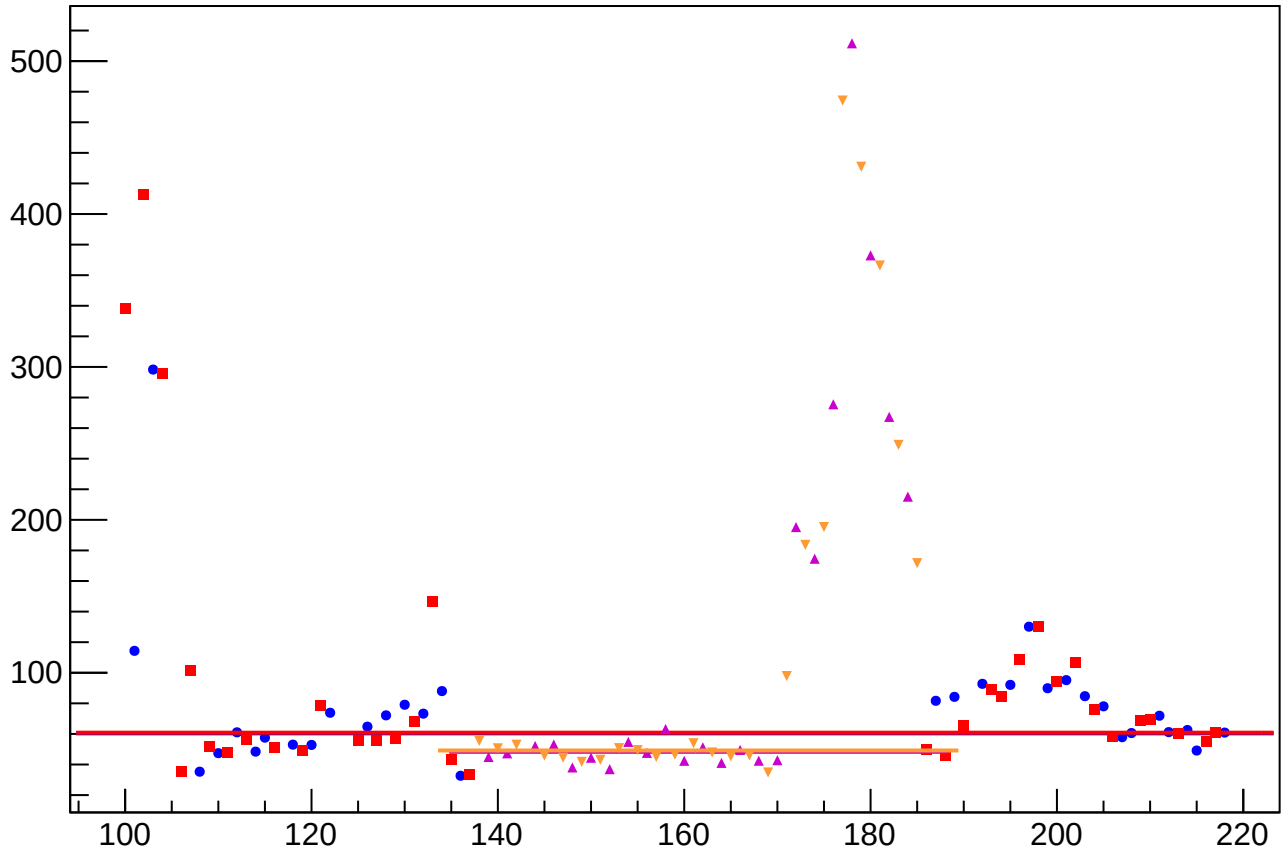
Right Out: 0.019+/-0.015 χ^2/NDF: 26.5/33

Left In: -0.007+/-0.014 χ^2/NDF:11.3/22

+ sign -0.021+/-0.010 χ^2/NDF: 45.5/55

All: -0.008+/-0.007 χ^2/NDF: 87.8/112

- sign 0.005+/-0.010 χ^2/NDF: 39.3/56



Right In: 60.403+/-0.011 χ^2/NDF: 4335243.0/31

Left Out: 49.180+/-0.010 χ^2/NDF:7250092.4/23

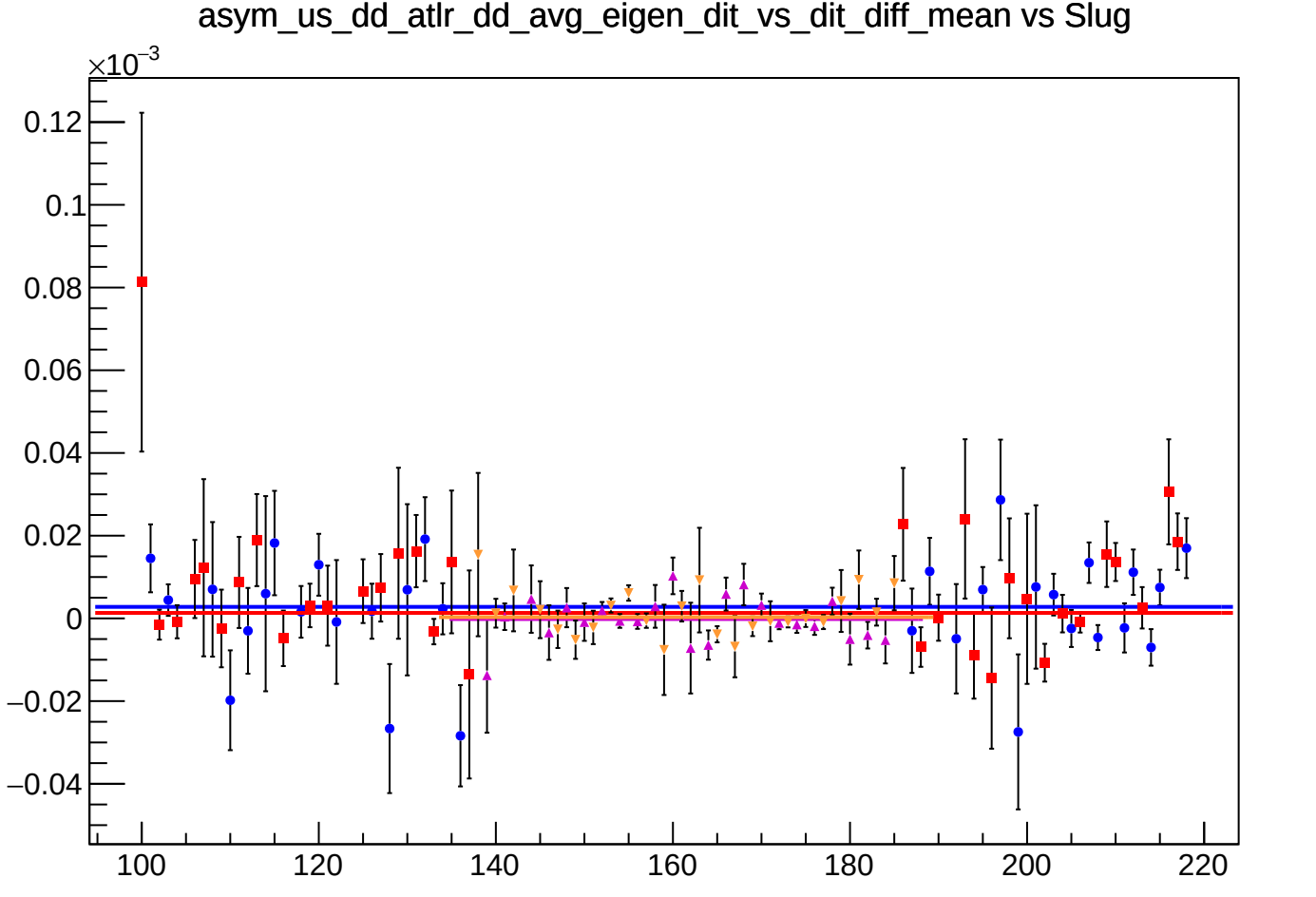
Right Out: 60.813+/-0.011 χ^2/NDF: 4335289.4/33

Left In: 48.307+/-0.010 χ^2/NDF:7040663.5/22

+ sign 54.355+/-0.007 χ^2/NDF: 12185996.3/55

All: 54.080+/-0.005 χ^2/NDF: 24317546.9/112

- sign 53.810+/-0.007 χ^2/NDF: 12128676.7/56



Right In: 0.000+/-0.000 χ^2/NDF: 56.0/31

Left Out: 0.000+/-0.000 χ^2/NDF:28.8/23

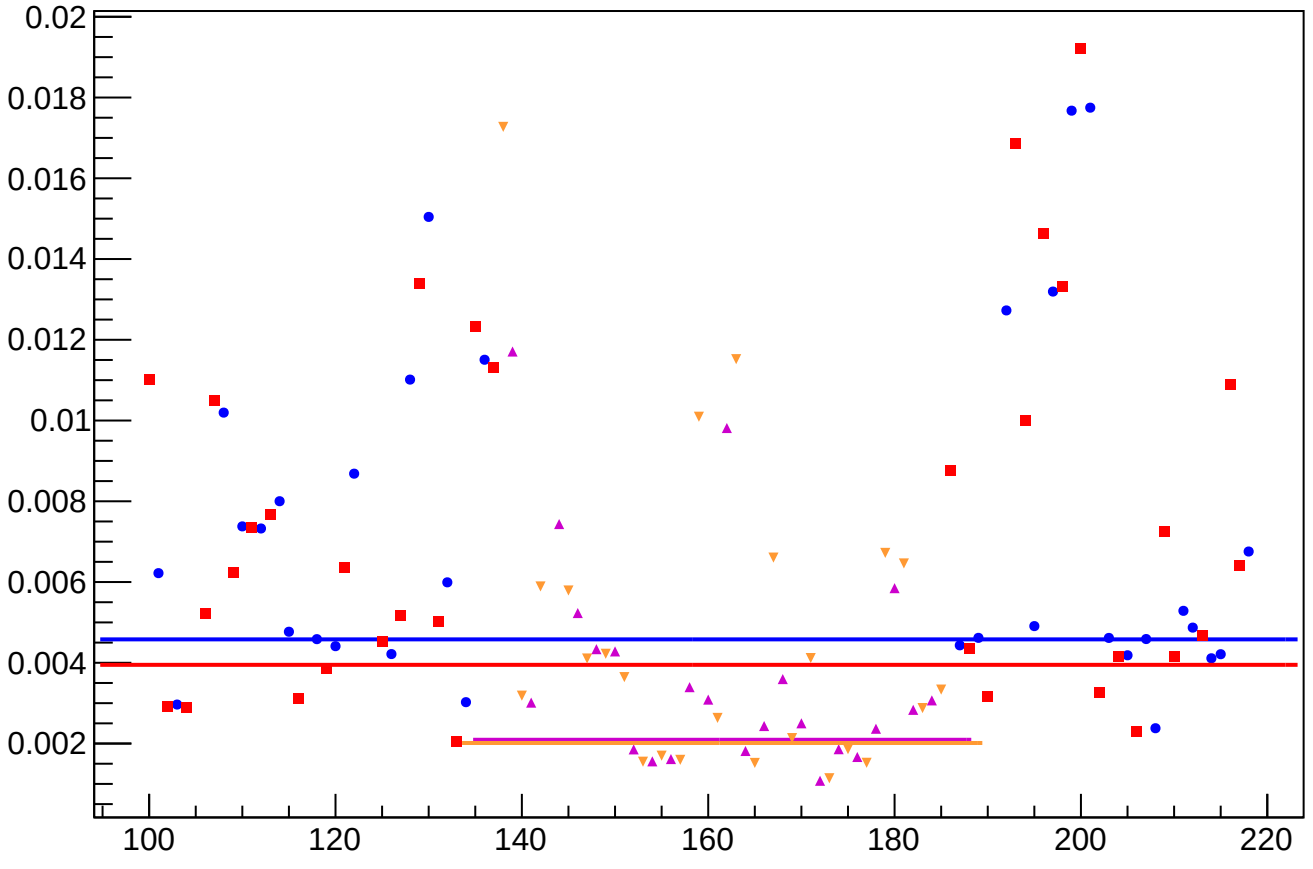
Right Out: 0.000+/-0.000 χ^2/NDF: 56.2/33

Left In: -0.000+/-0.000 χ^2/NDF:25.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 88.5/55

All: 0.000+/-0.000 χ^2/NDF: 172.0/112

- sign 0.000+/-0.000 χ^2/NDF: 83.0/56



Right In: 0.005+/-0.000 χ^2/NDF: 7442818.2/31

Left Out: 0.002+/-0.000 χ^2/NDF:10262318.5/23

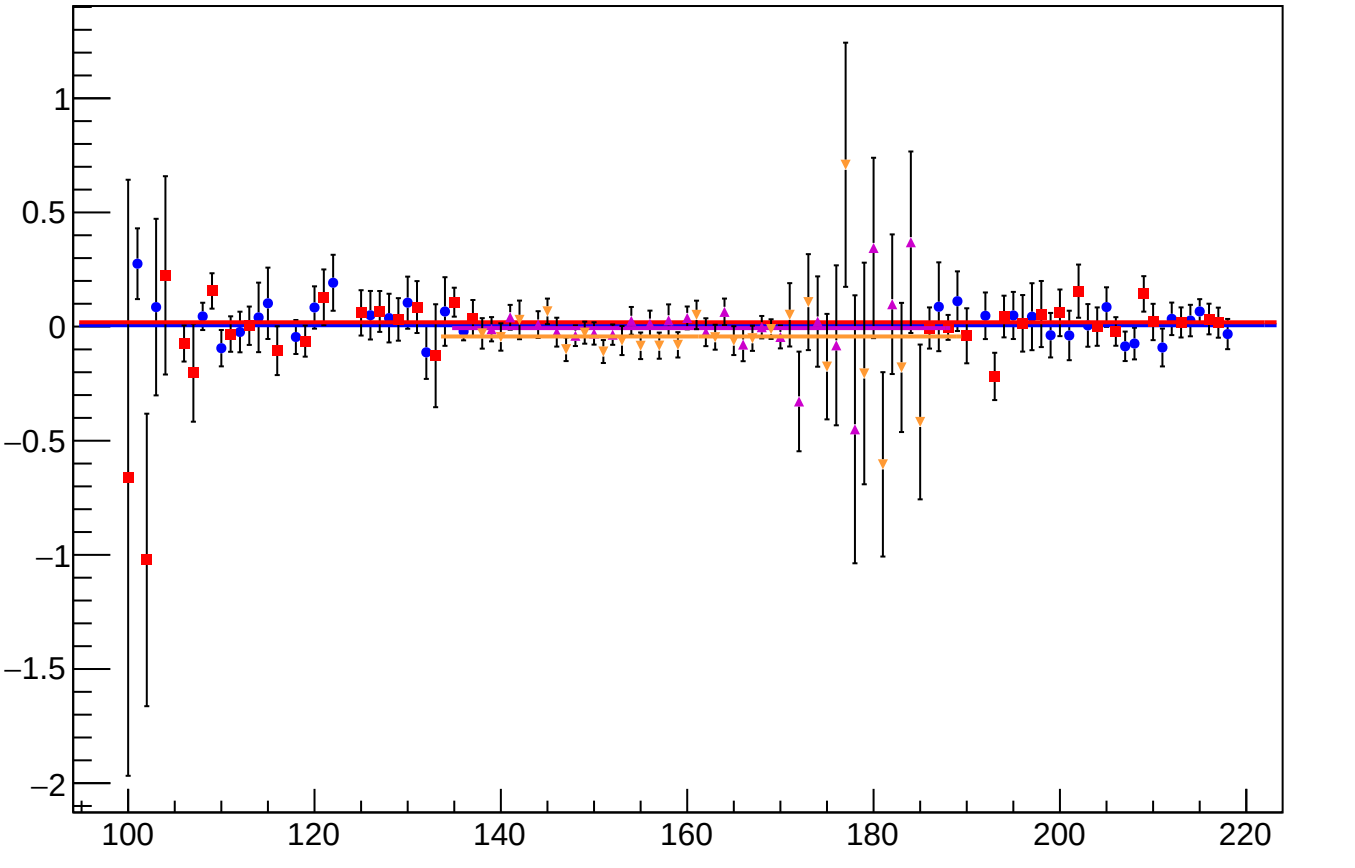
Right Out: 0.004+/-0.000 χ^2/NDF: 9956693.7/33

Left In: 0.002+/-0.000 χ^2/NDF:7141979.6/22

+ sign 0.003+/-0.000 χ^2/NDF: 25513647.4/55

All: 0.003+/-0.000 χ^2/NDF: 47280577.5/112

- sign 0.003+/-0.000 χ^2/NDF: 21755571.8/56



Right In: 0.006+/-0.015 χ^2/NDF: 20.8/31

Left Out: -0.043+/-0.014 χ^2/NDF:18.9/23

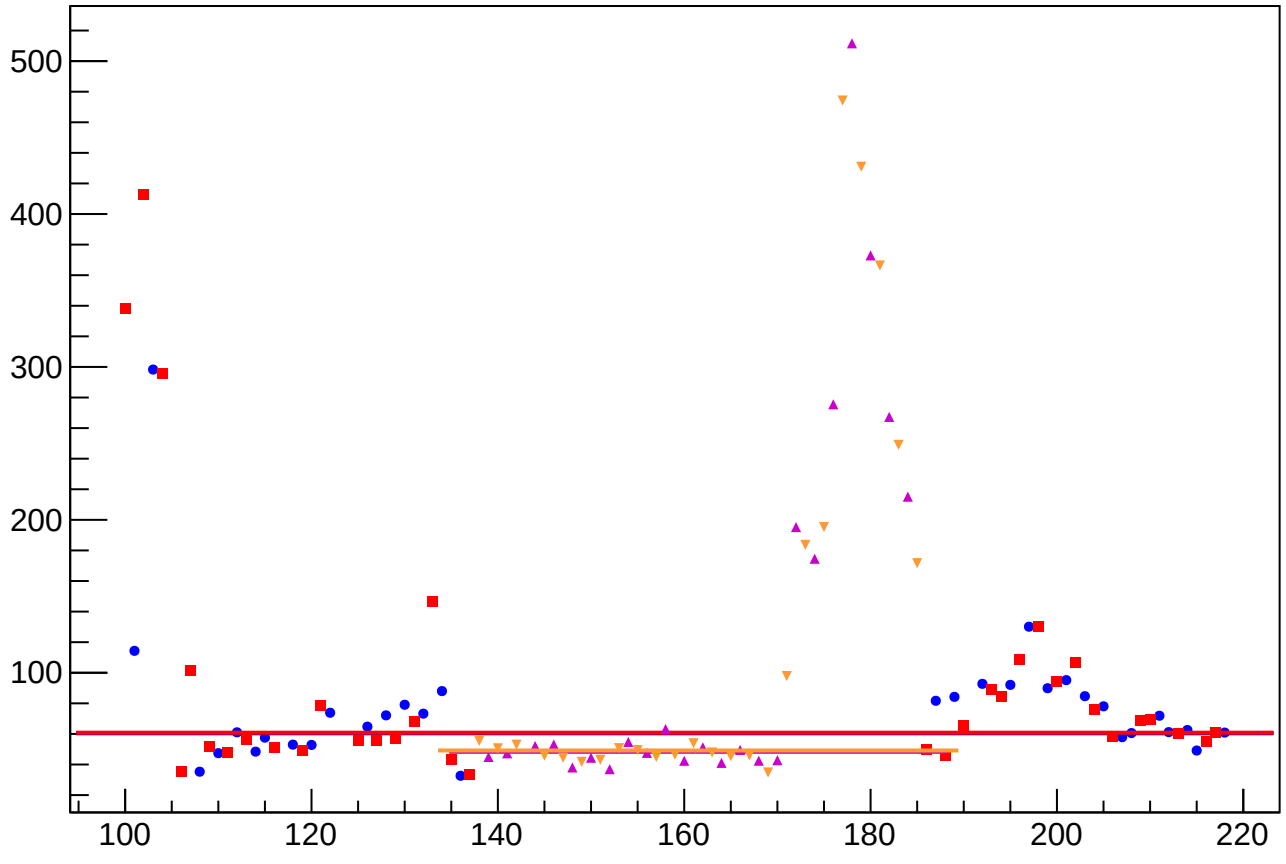
Right Out: 0.019+/-0.015 χ^2/NDF: 26.5/33

Left In: -0.007+/-0.014 χ^2/NDF:11.3/22

+ sign -0.021+/-0.010 χ^2/NDF: 45.5/55

All: -0.008+/-0.007 χ^2/NDF: 87.8/112

- sign 0.005+/-0.010 χ^2/NDF: 39.3/56



Right In: 60.403+/-0.011 χ^2/NDF: 4335072.0/31

Left Out: 49.180+/-0.010 χ^2/NDF:7250102.5/23

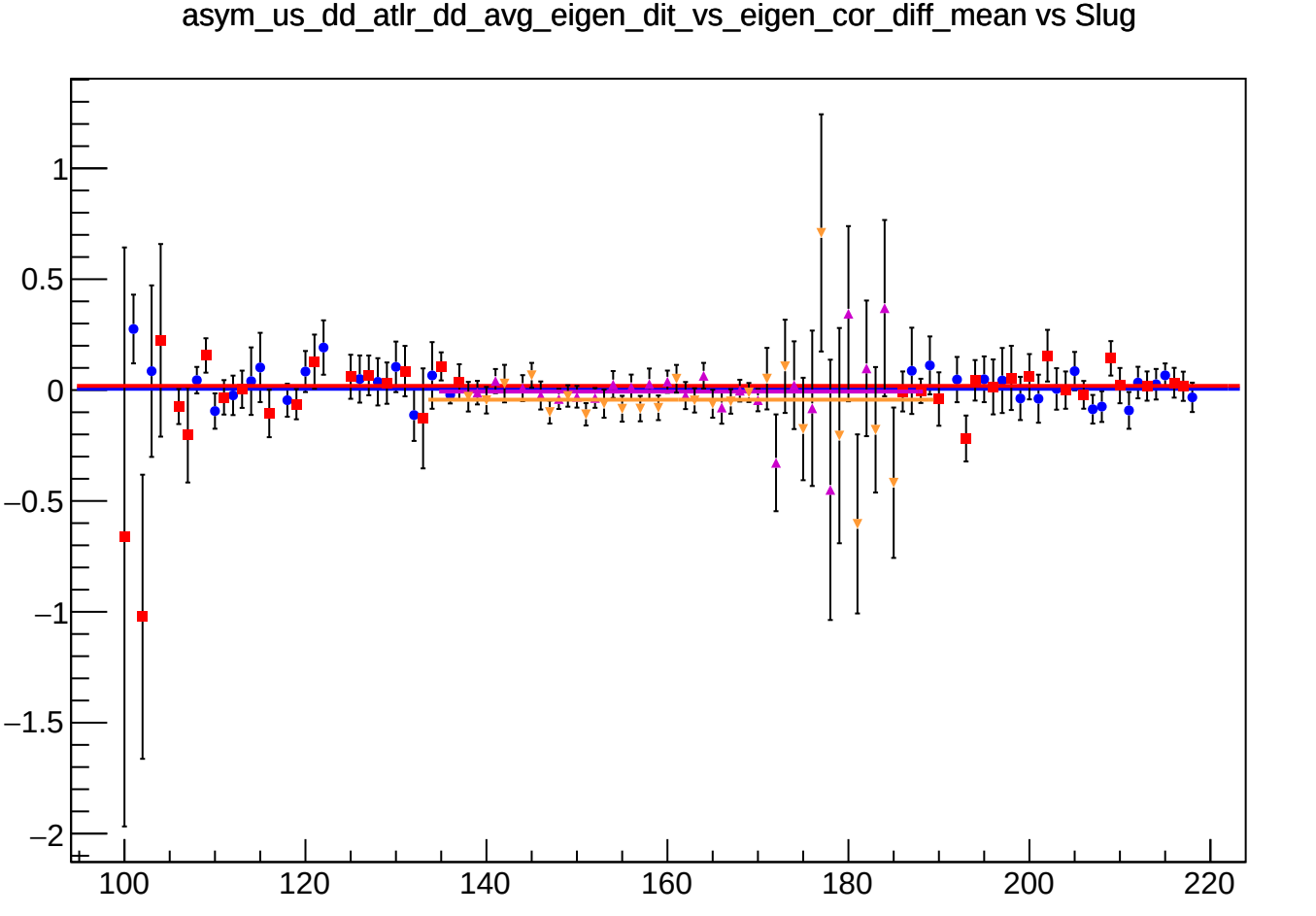
Right Out: 60.813+/-0.011 χ^2/NDF: 4335141.7/33

Left In: 48.307+/-0.010 χ^2/NDF:7040585.4/22

+ sign 54.354+/-0.007 χ^2/NDF: 12185902.6/55

All: 54.080+/-0.005 χ^2/NDF: 24317256.2/112

- sign 53.810+/-0.007 χ^2/NDF: 12128484.9/56



Right In: 0.006+/-0.015 χ^2/NDF: 20.8/31

Left Out: -0.043+/-0.014 χ^2/NDF:18.9/23

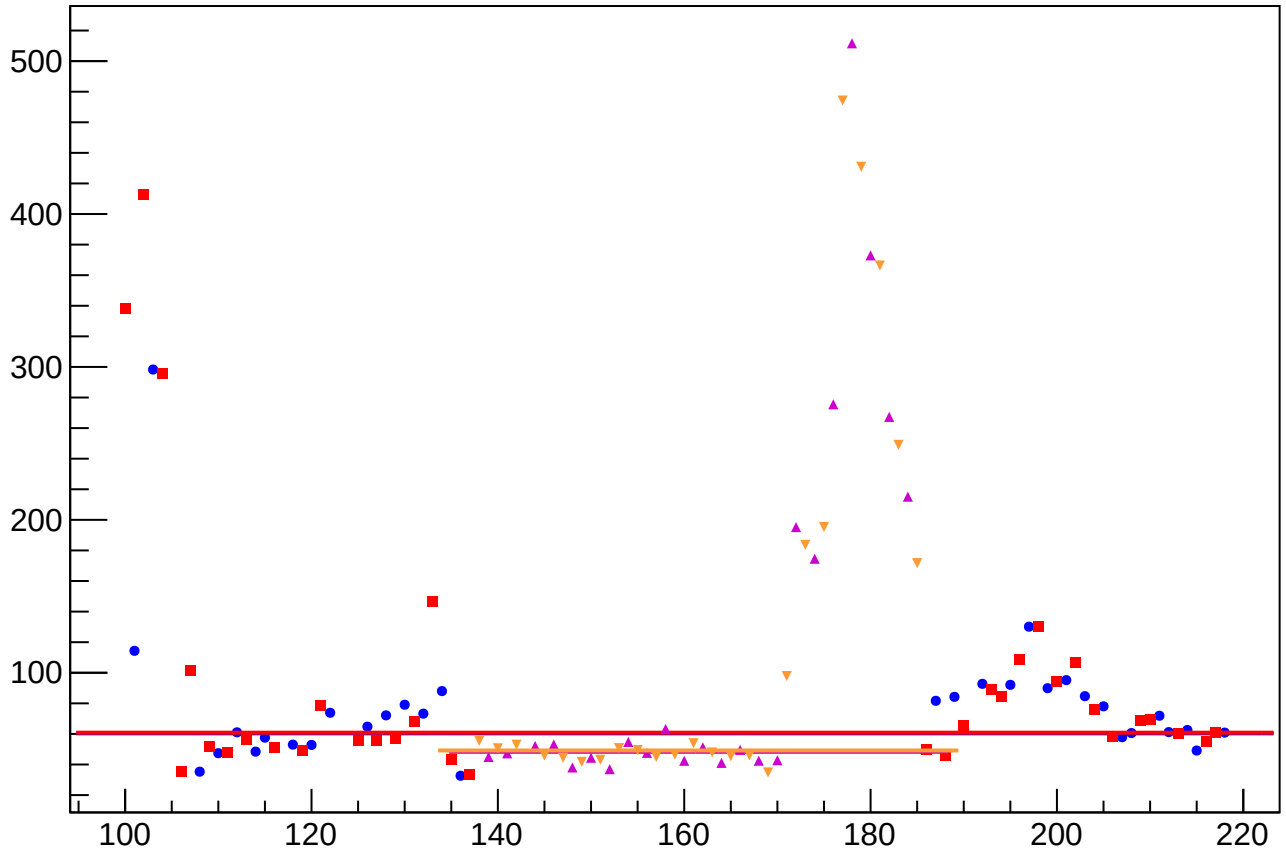
Right Out: 0.019+/-0.015 χ^2/NDF: 26.5/33

Left In: -0.007+/-0.014 χ^2/NDF:11.3/22

+ sign -0.021+/-0.010 χ^2/NDF: 45.5/55

All: -0.008+/-0.007 χ^2/NDF: 87.8/112

- sign 0.005+/-0.010 χ^2/NDF: 39.3/56



Right In: 60.403+/-0.011 χ^2/NDF: 4335072.0/31

Left Out: 49.180+/-0.010 χ^2/NDF:7250102.5/23

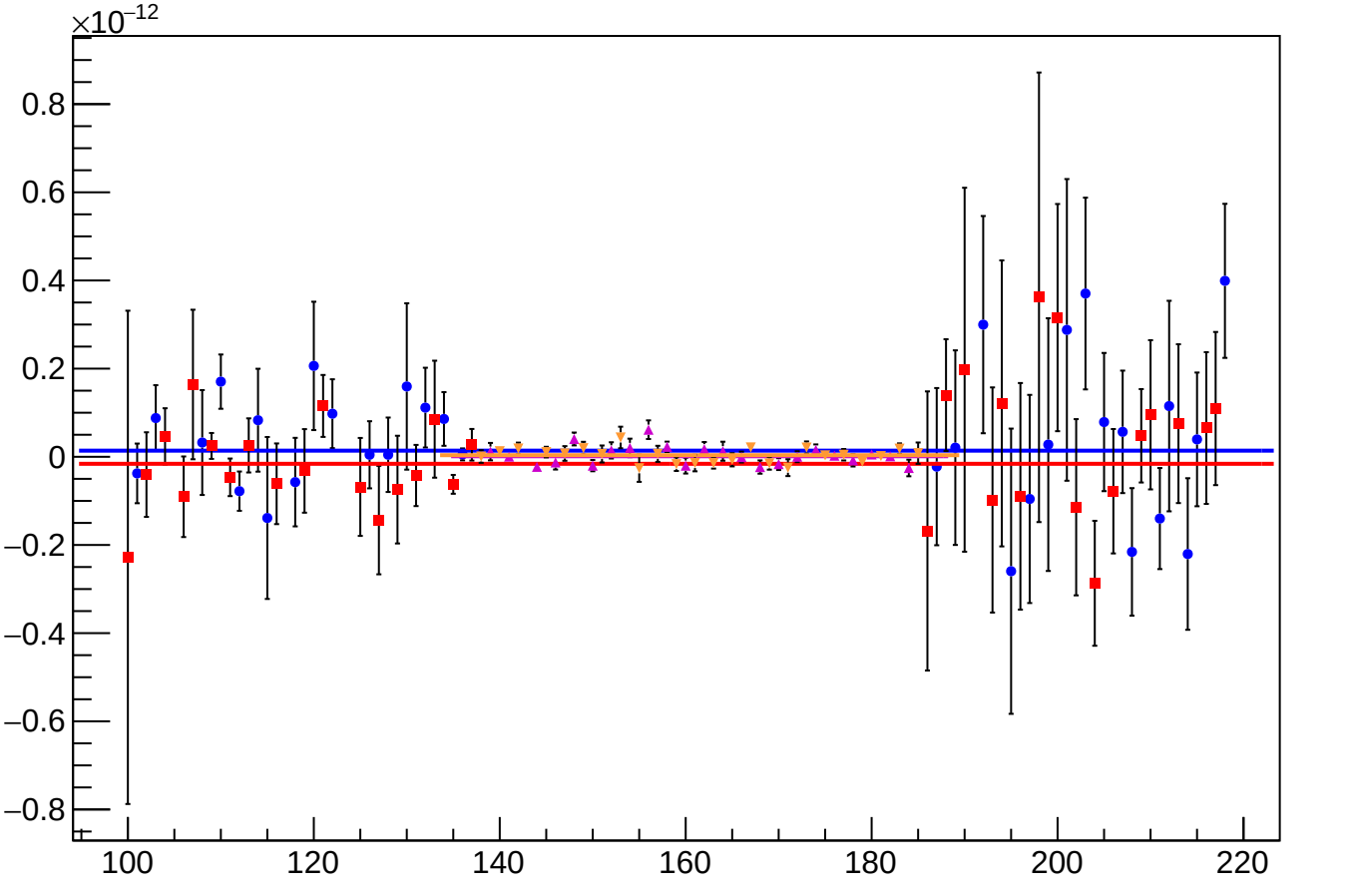
Right Out: 60.813+/-0.011 χ^2/NDF: 4335141.7/33

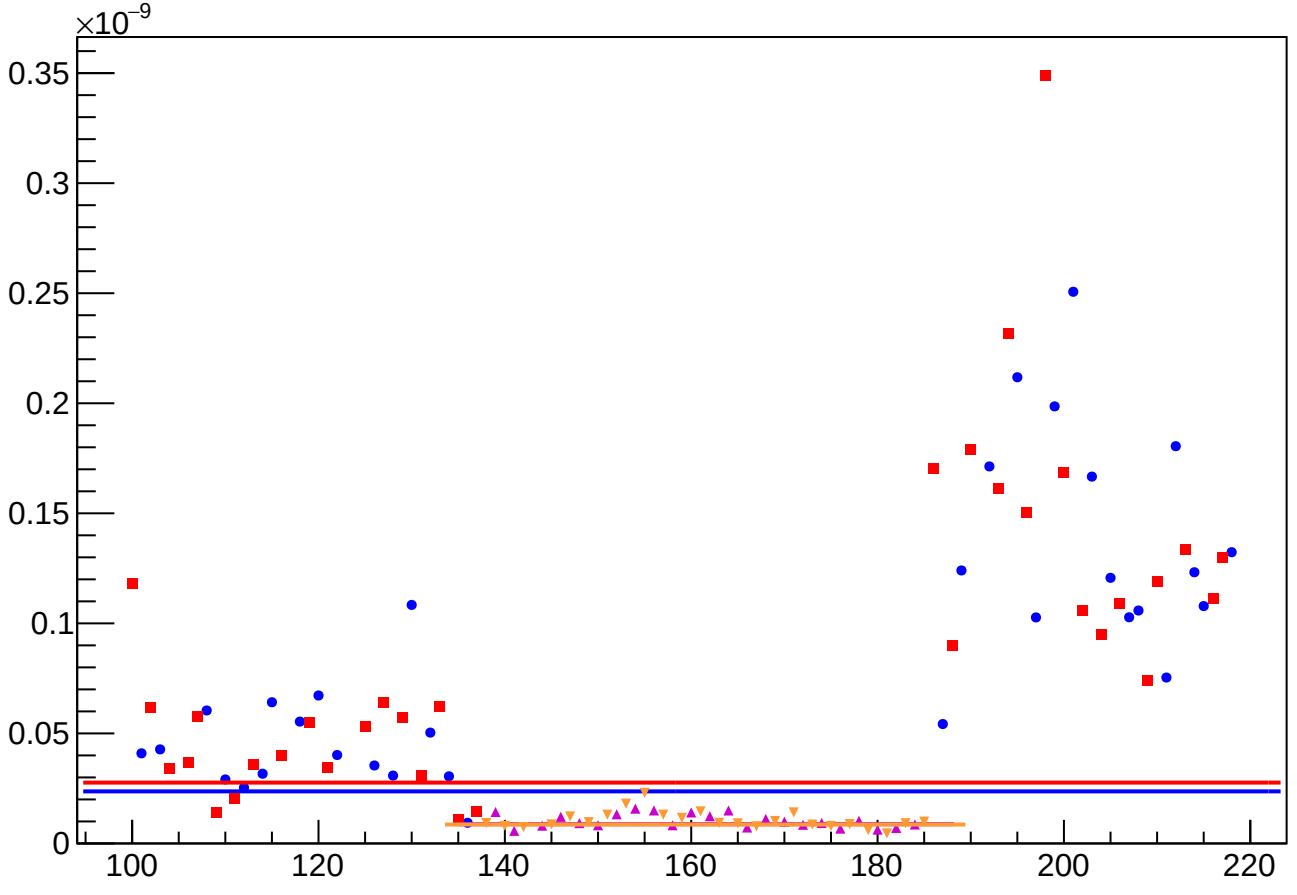
Left In: 48.307+/-0.010 χ^2/NDF:7040585.4/22

+ sign 54.354+/-0.007 χ^2/NDF: 12185902.6/55

All: 54.080+/-0.005 χ^2/NDF: 24317256.2/112

- sign 53.810+/-0.007 χ^2/NDF: 12128484.9/56


asym_us_dd_atlr_dd_avg_eigen_cor_vs_cor_diff_mean vs Slug
×10⁻¹²
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 37.5/31
Left Out: 0.000+/-0.000 χ²/NDF:24.6/23
Right Out: -0.000+/-0.000 χ²/NDF: 28.5/33
Left In: 0.000+/-0.000 χ²/NDF:40.0/22
+ sign 0.000+/-0.000 χ²/NDF: 62.9/55
All: 0.000+/-0.000 χ²/NDF: 134.4/112
- sign 0.000+/-0.000 χ²/NDF: 70.5/56



Right In: 0.000+/-0.000 χ^2/NDF: 13890832.1/31

Left Out: 0.000+/-0.000 χ^2/NDF:2499872.6/23

Right Out: 0.000+/-0.000 χ^2/NDF: 11750139.1/33

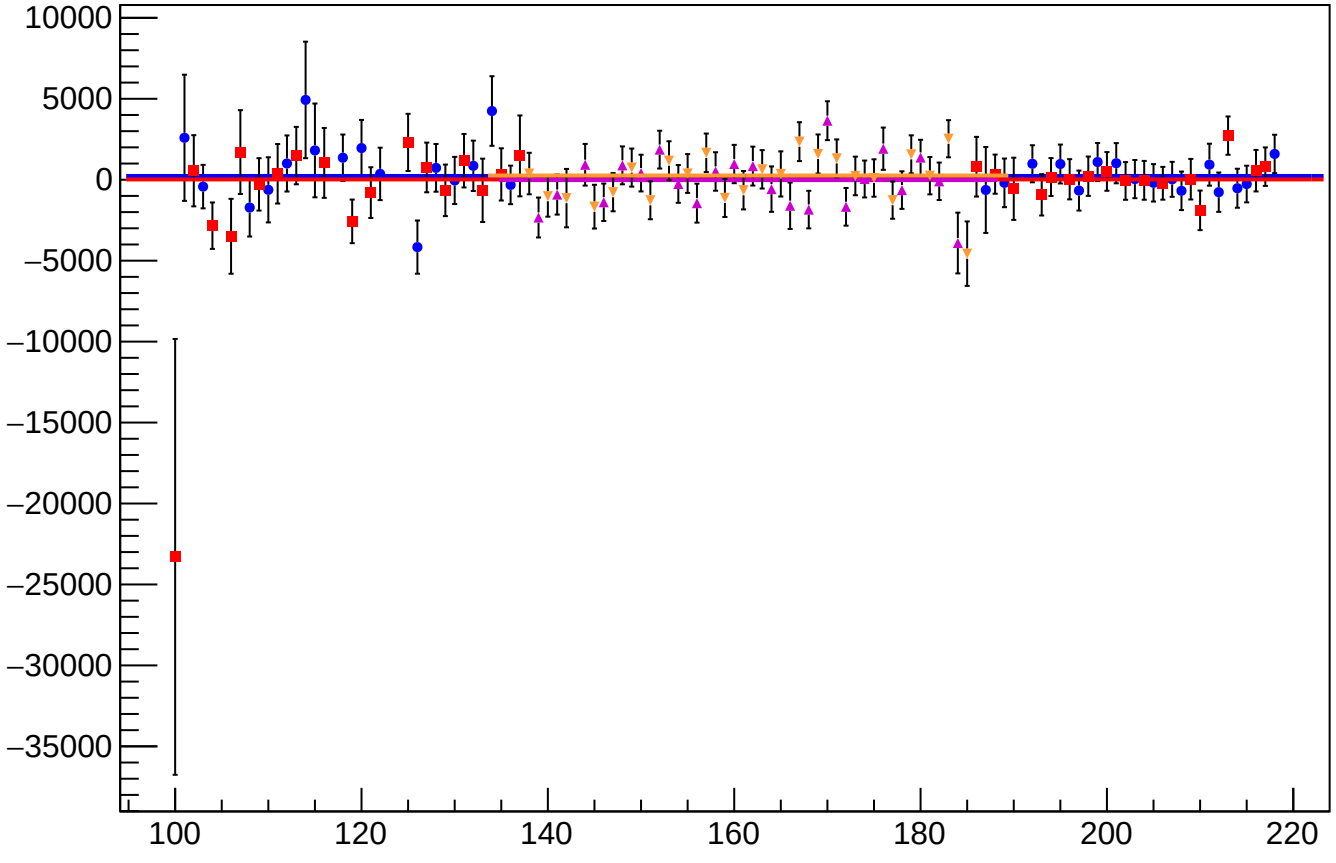
Left In: 0.000+/-0.000 χ^2/NDF:1954811.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 19939548.1/55

All: 0.000+/-0.000 χ^2/NDF: 38306856.9/112

- sign 0.000+/-0.000 χ^2/NDF: 18360069.4/56

reg_asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 231.513+/-249.218 χ^2/NDF: 23.1/31

Left Out: 260.650+/-251.401 χ^2/NDF:28.2/23

Right Out: 19.193+/-250.937 χ^2/NDF: 27.3/33

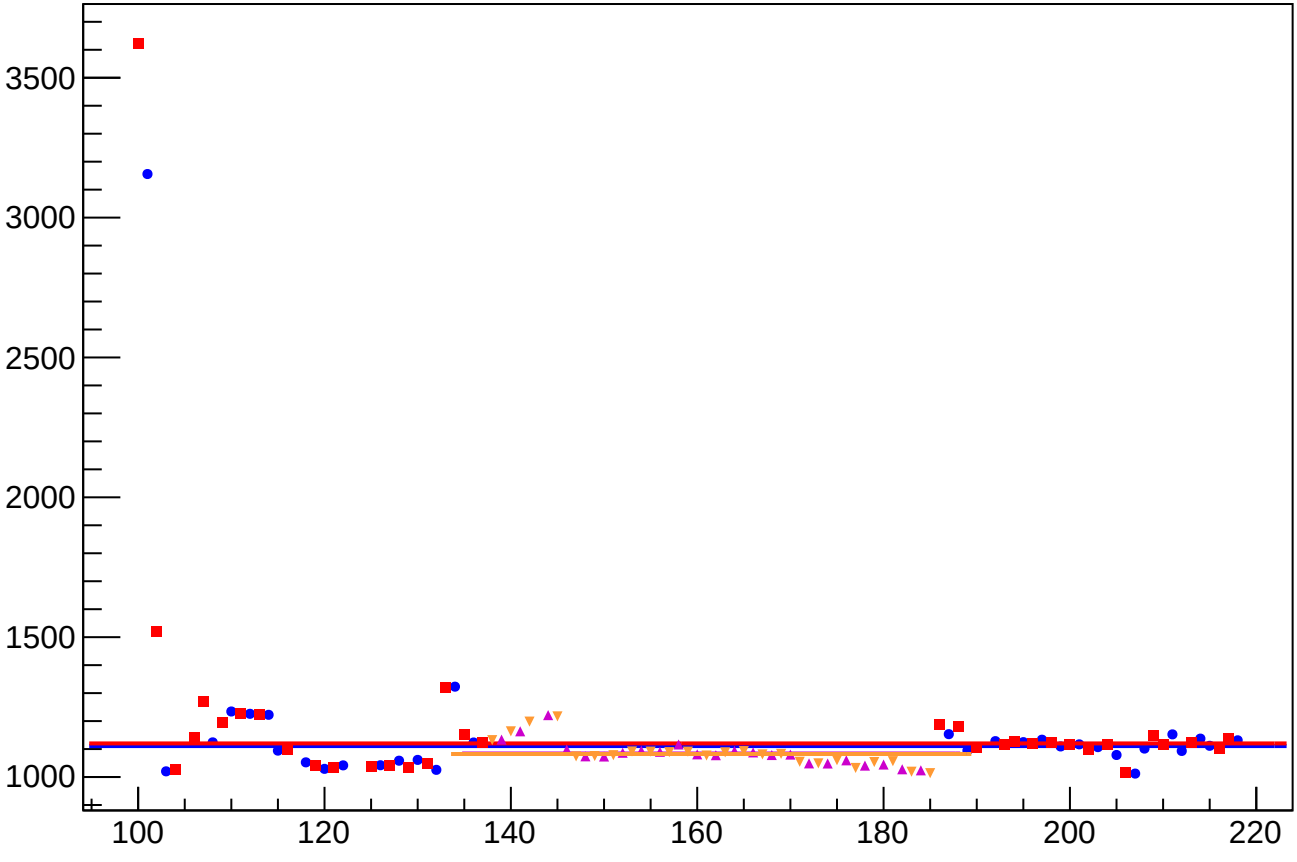
Left In: -22.368+/-253.332 χ^2/NDF:35.8/22

+ sign 245.954+/-176.990 χ^2/NDF: 51.3/55

All: 123.180+/-125.605 χ^2/NDF: 115.4/112

- sign -1.391+/-178.280 χ^2/NDF: 63.1/56

reg_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1110.657+/-0.176 χ^2/NDF: 648277.2/31

Left Out: 1082.308+/-0.178 χ^2/NDF:57873.0/23

Right Out: 1120.166+/-0.177 χ^2/NDF: 253393.7/33

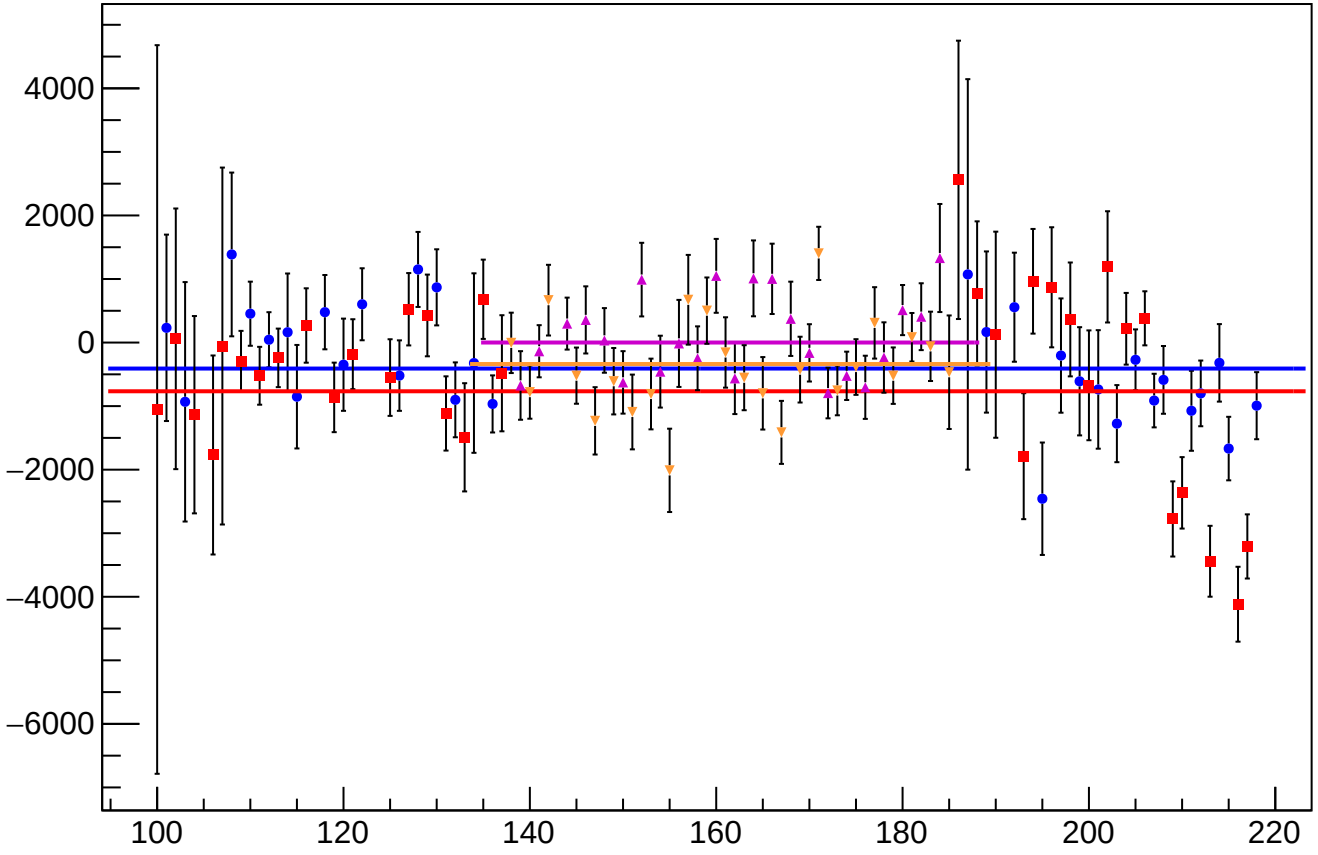
Left In: 1084.166+/-0.179 χ^2/NDF:53438.8/22

+ sign 1096.606+/-0.125 χ^2/NDF: 718977.2/55

All: 1099.451+/-0.089 χ^2/NDF: 1047236.8/11

- sign 1102.337+/-0.126 χ^2/NDF: 327218.6/56

asym_us_dd_atlr_dd_dd_reg_correction_mean vs Slug



Right In: -409.067+/-112.959 χ^2/NDF: 46.5/31

Left Out: -337.727+/-102.601 χ^2/NDF:48.8/23

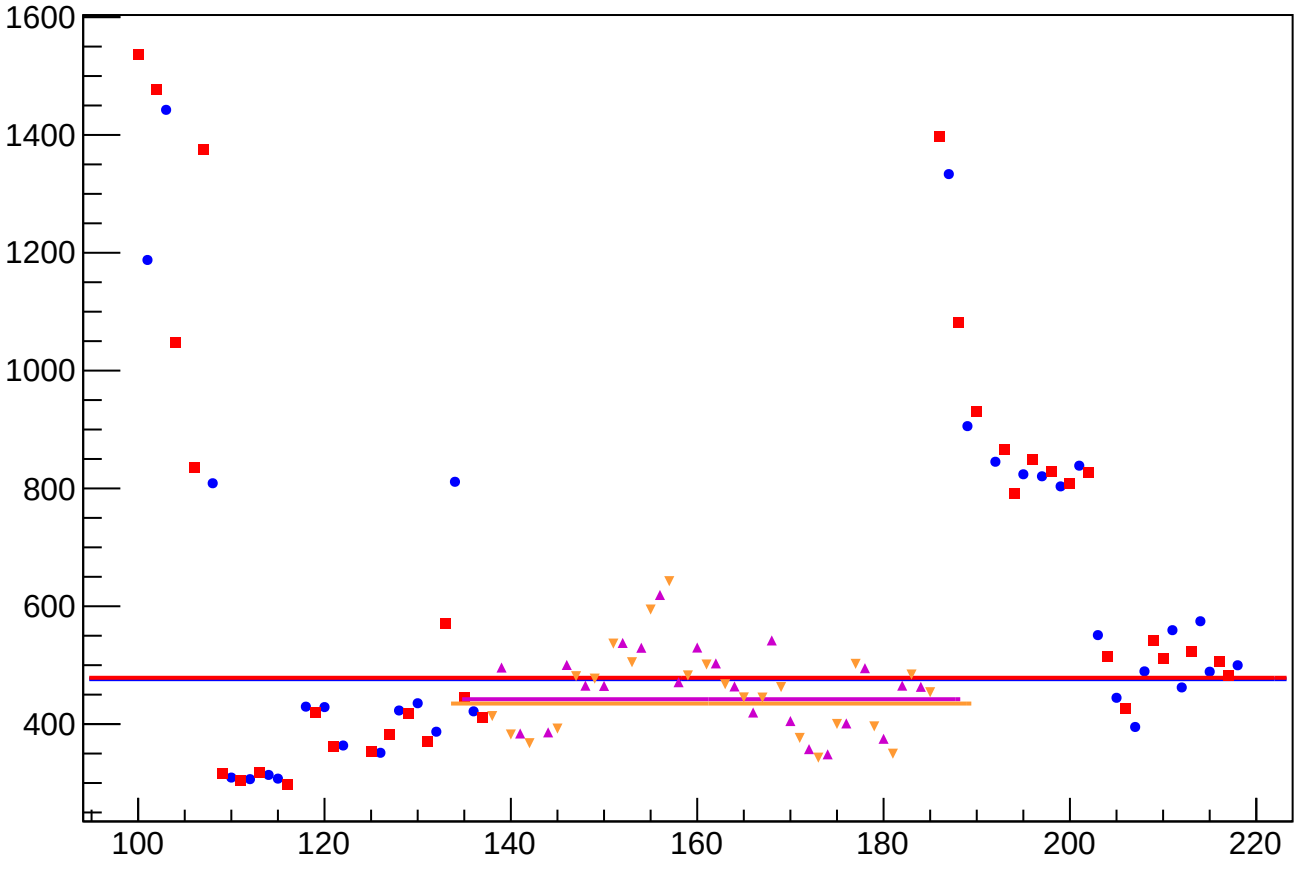
Right Out: -766.532+/-115.798 χ^2/NDF: 151.0/33

Left In: 0.547+/-104.733 χ^2/NDF:31.9/22

+ sign -369.977+/-75.949 χ^2/NDF: 95.5/55

All: -357.575+/-54.304 χ^2/NDF: 302.5/112

- sign -344.603+/-77.675 χ^2/NDF: 207.0/56



Right In: 476.253+/-0.080 χ^2/NDF: 4382131.6/31

Left Out: 434.858+/-0.073 χ^2/NDF:878416.4/23

Right Out: 478.603+/-0.082 χ^2/NDF: 5432682.1/33

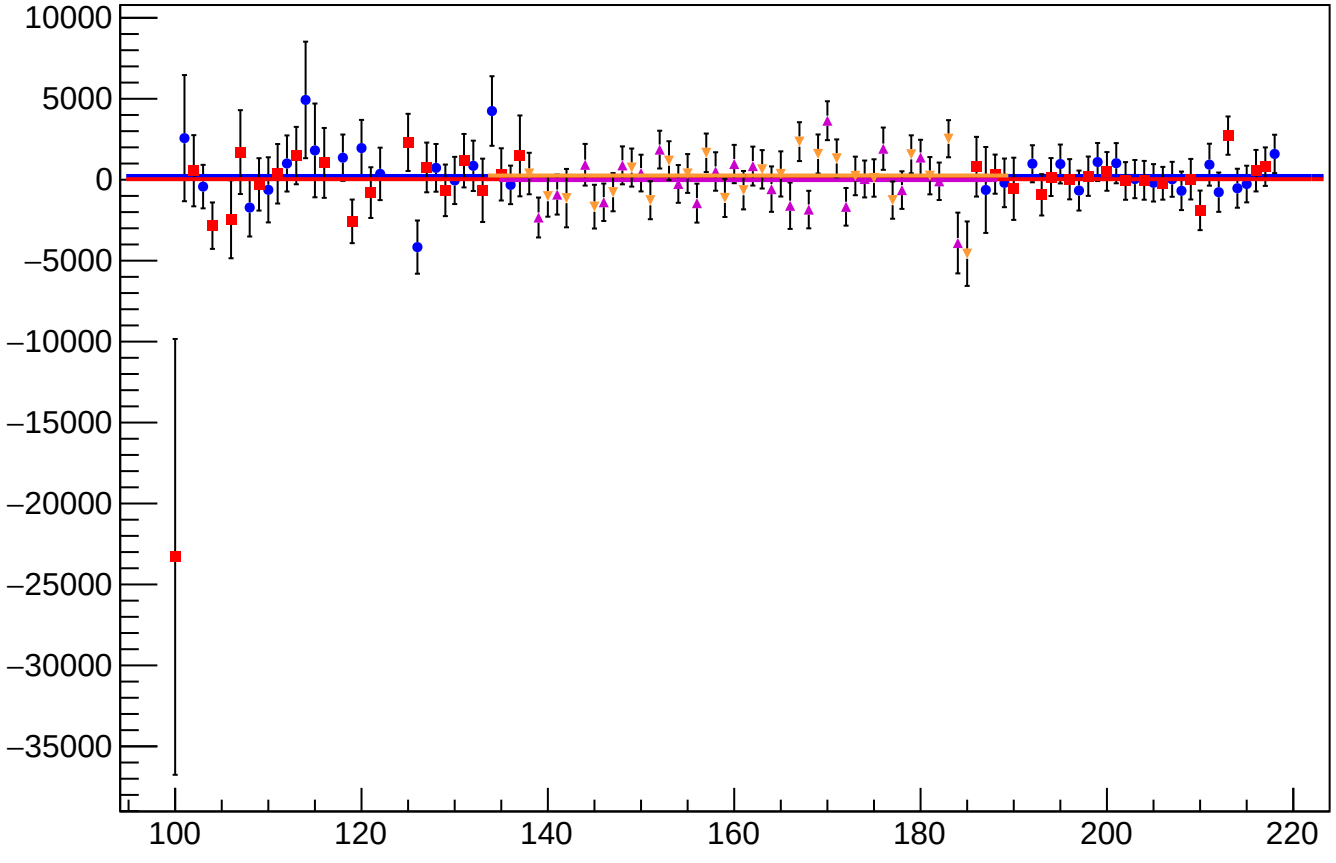
Left In: 442.209+/-0.074 χ^2/NDF:825972.2/22

+ sign 453.571+/-0.054 χ^2/NDF: 5407716.3/55

All: 456.022+/-0.038 χ^2/NDF: 11779298.2/11

- sign 458.584+/-0.055 χ^2/NDF: 6367323.0/56

cor_asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 231.396+/-249.218 χ^2/NDF: 23.1/31

Left Out: 260.639+/-251.401 χ^2/NDF:28.2/23

Right Out: 33.830+/-251.051 χ^2/NDF: 26.0/33

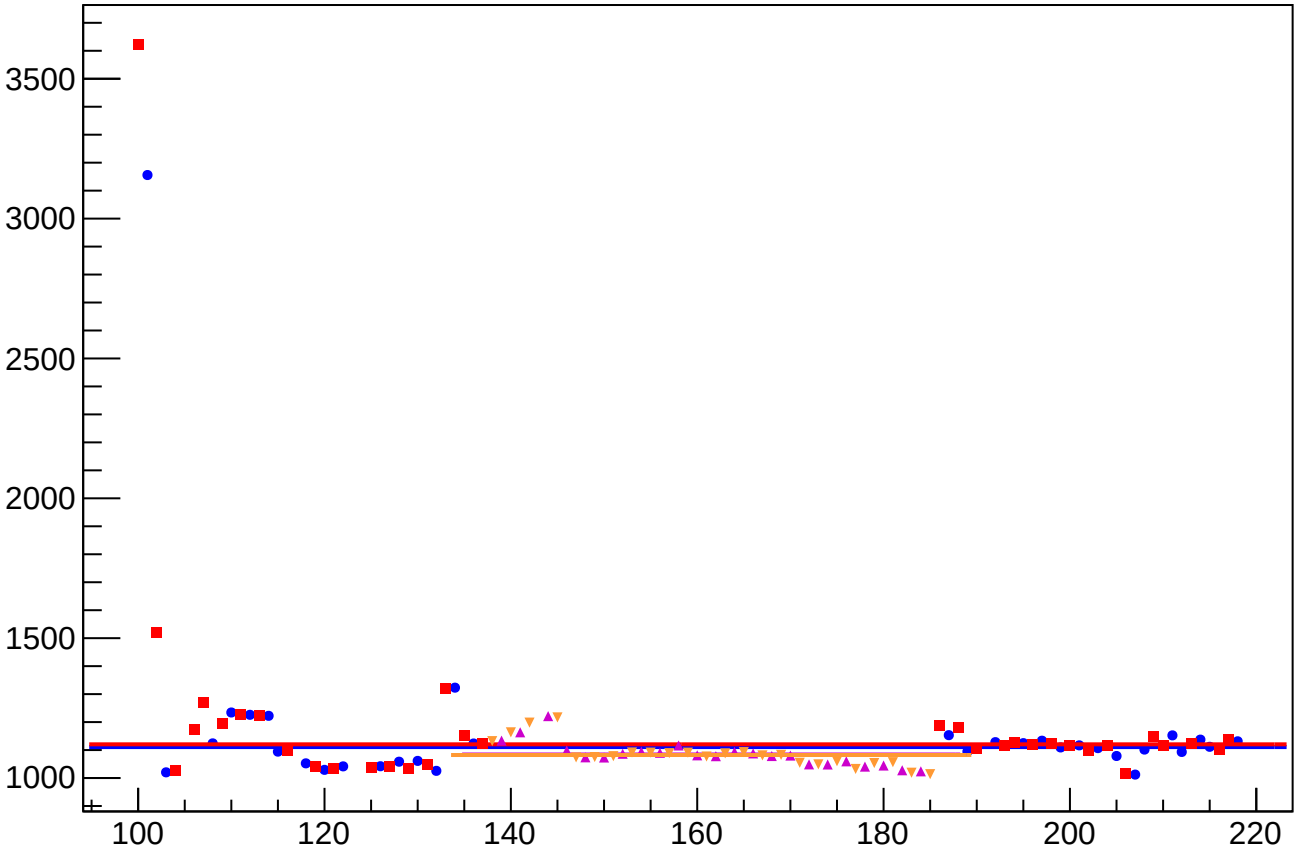
Left In: -22.362+/-253.332 χ^2/NDF:35.8/22

+ sign 245.890+/-176.990 χ^2/NDF: 51.3/55

All: 126.837+/-125.619 χ^2/NDF: 114.1/112

- sign 5.988+/-178.321 χ^2/NDF: 61.8/56

cor_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1110.657+/-0.176 χ^2/NDF: 648278.2/31

Left Out: 1082.308+/-0.178 χ^2/NDF:57873.0/23

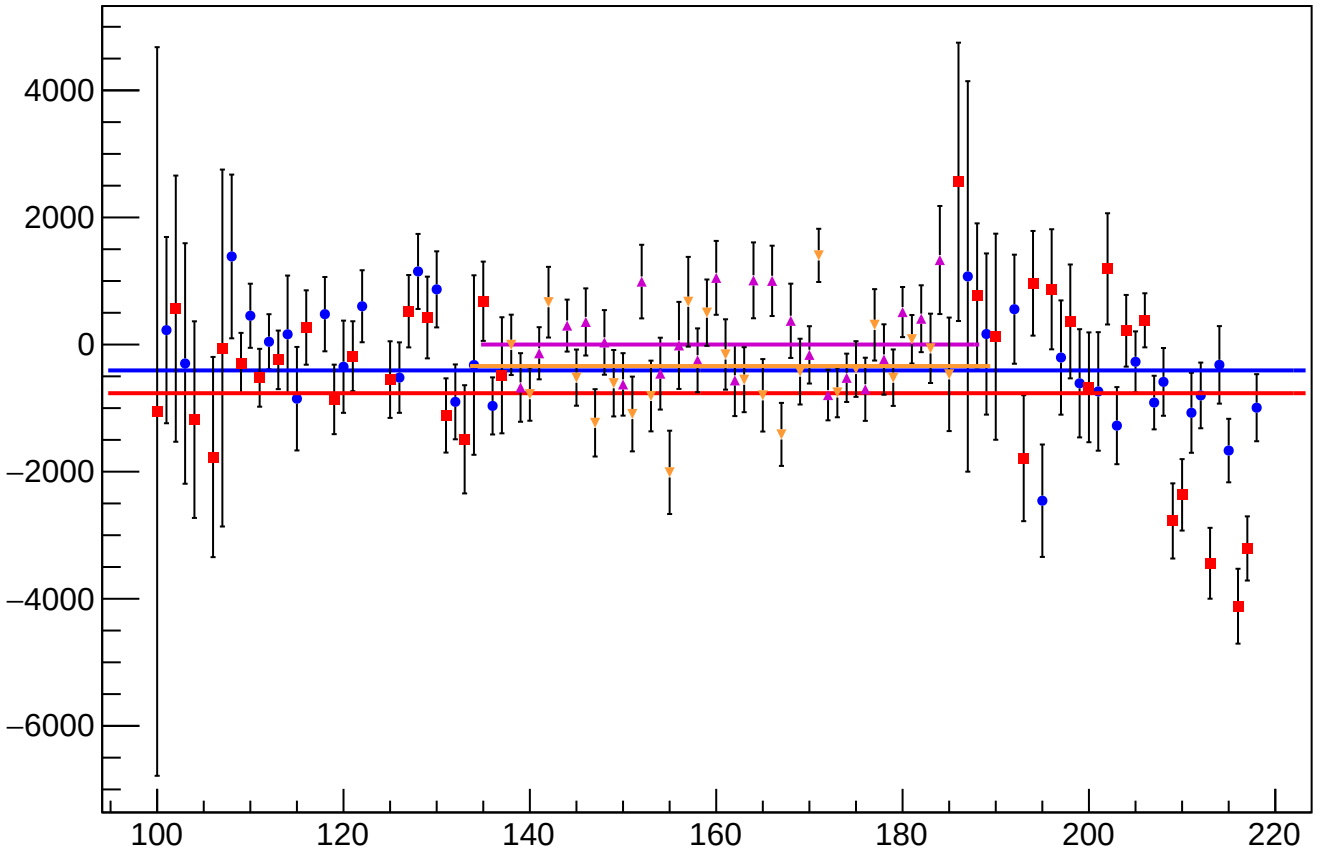
Right Out: 1120.488+/-0.178 χ^2/NDF: 254155.0/33

Left In: 1084.166+/-0.179 χ^2/NDF:53438.8/22

+ sign 1096.606+/-0.125 χ^2/NDF: 718978.1/55

All: 1099.527+/-0.089 χ^2/NDF: 1048412.9/11

- sign 1102.492+/-0.126 χ^2/NDF: 328337.2/56



Right In: -406.885+/-112.960 χ^2/NDF: 46.4/31

Left Out: -337.816+/-102.601 χ^2/NDF:48.8/23

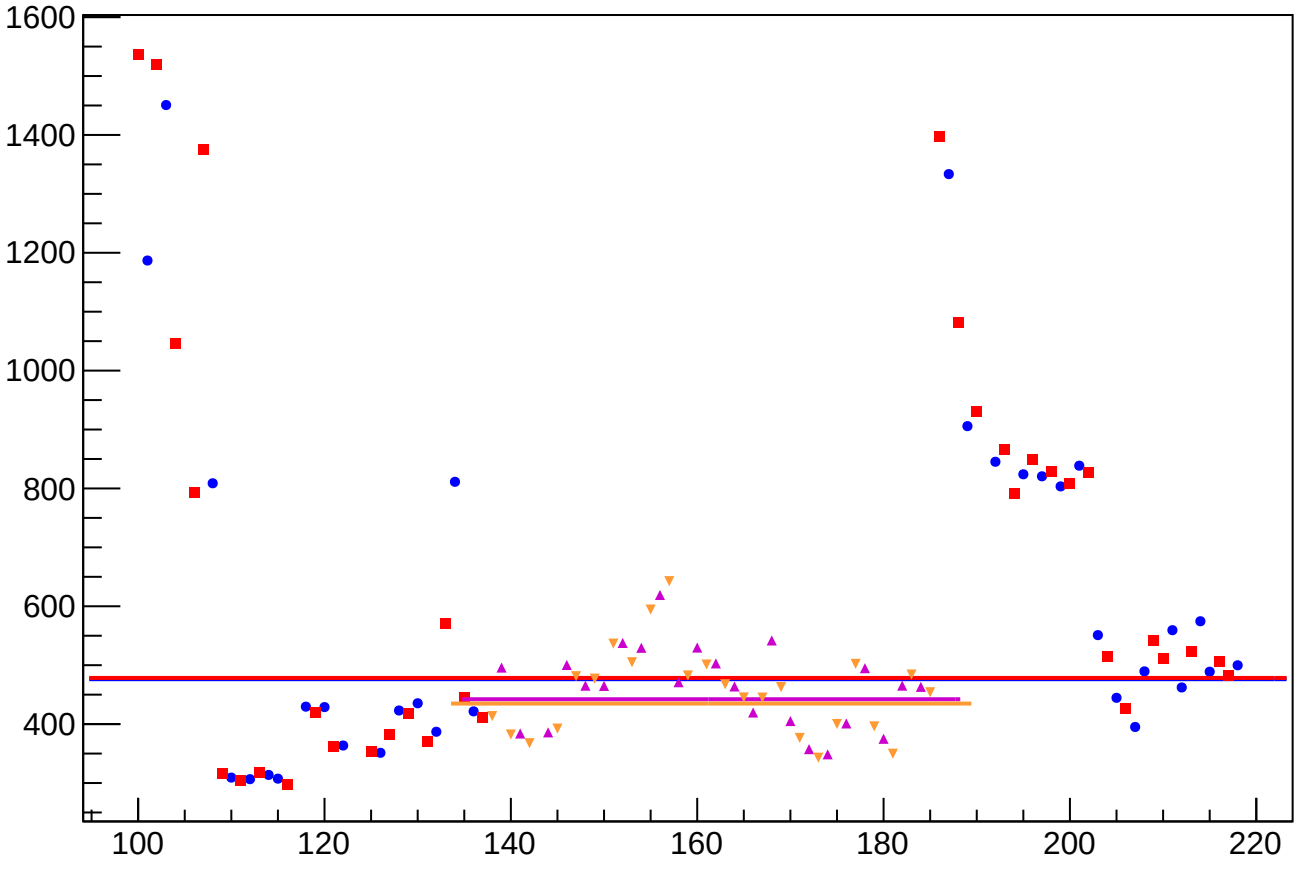
Right Out: -765.334+/-115.807 χ^2/NDF: 151.3/33

Left In: 0.567+/-104.733 χ^2/NDF:31.9/22

+ sign -369.039+/-75.949 χ^2/NDF: 95.4/55

All: -356.812+/-54.305 χ^2/NDF: 302.6/112

- sign -344.021+/-77.678 χ^2/NDF: 207.2/56



Right In: 476.249+/-0.080 χ^2/NDF: 4385933.5/31

Left Out: 434.856+/-0.073 χ^2/NDF:878507.3/23

Right Out: 478.364+/-0.082 χ^2/NDF: 5427596.2/33

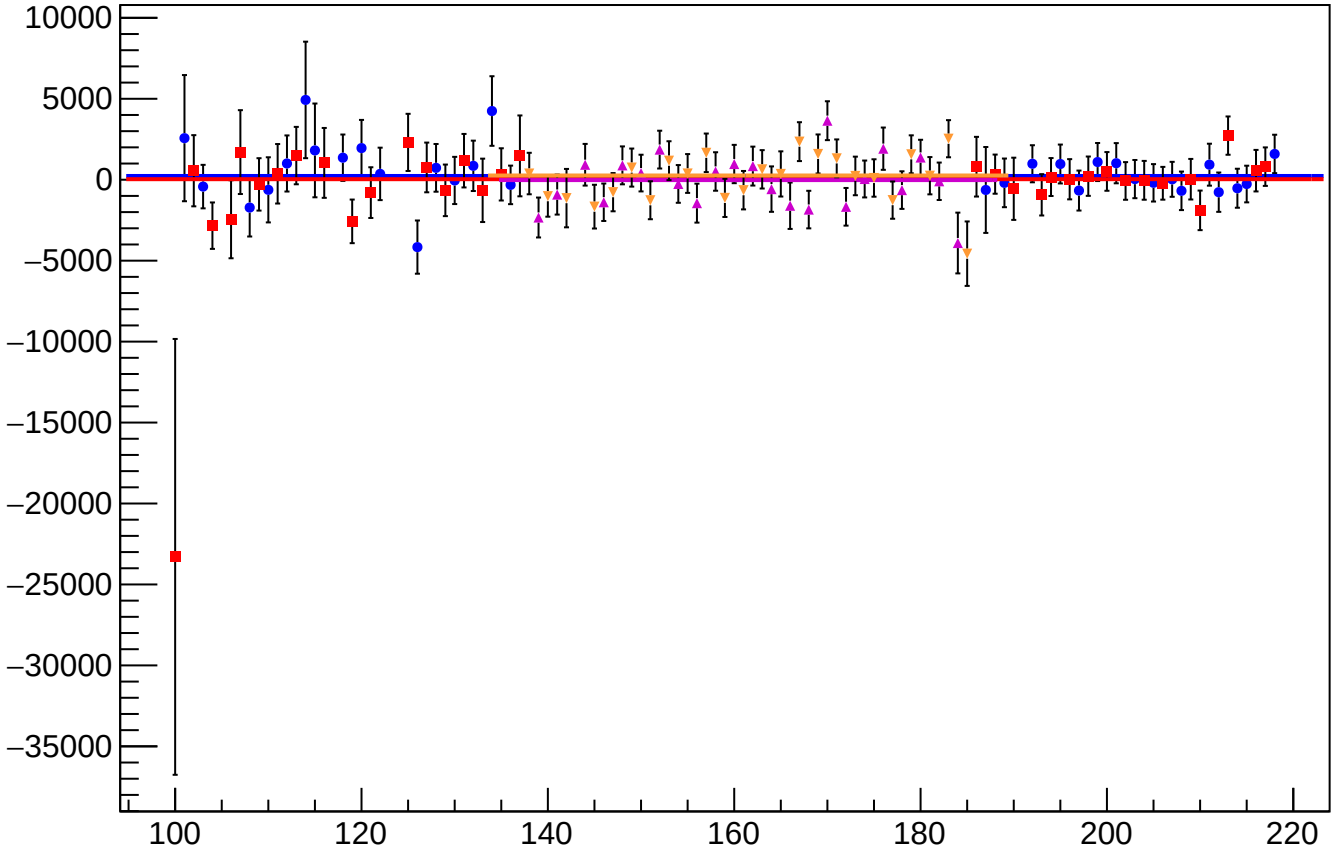
Left In: 442.210+/-0.074 χ^2/NDF:825844.5/22

+ sign 453.568+/-0.054 χ^2/NDF: 5411593.5/55

All: 455.966+/-0.038 χ^2/NDF: 11776344.1/11

- sign 458.476+/-0.055 χ^2/NDF: 6360668.3/56

eigen_cor_asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 231.396+/-249.218 χ^2/NDF: 23.1/31

Left Out: 260.639+/-251.401 χ^2/NDF:28.2/23

Right Out: 33.830+/-251.051 χ^2/NDF: 26.0/33

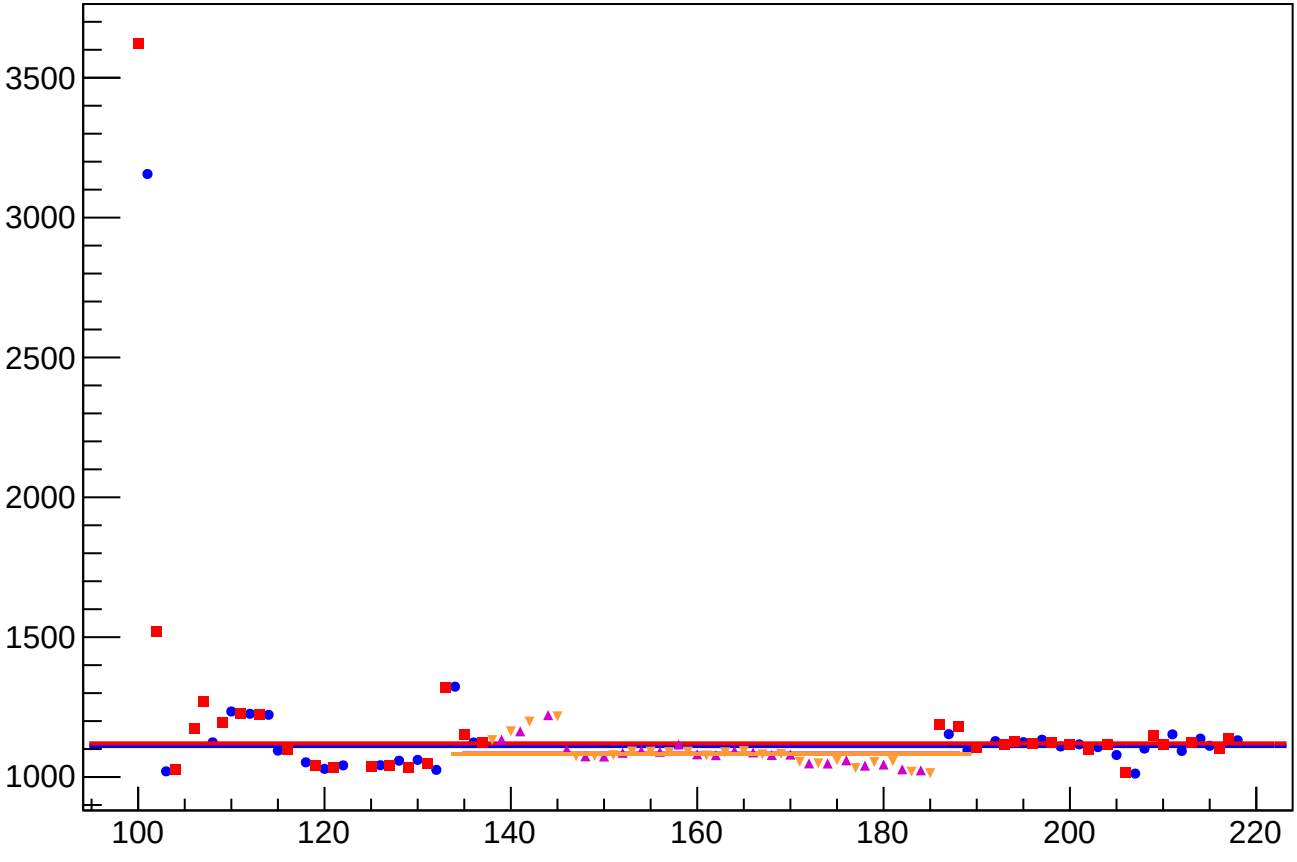
Left In: -22.362+/-253.332 χ^2/NDF:35.8/22

+ sign 245.890+/-176.990 χ^2/NDF: 51.3/55

All: 126.837+/-125.619 χ^2/NDF: 114.1/112

- sign 5.988+/-178.321 χ^2/NDF: 61.8/56

eigen_cor_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1110.657+/-0.176 χ^2/NDF: 648278.2/31

Left Out: 1082.308+/-0.178 χ^2/NDF:57873.0/23

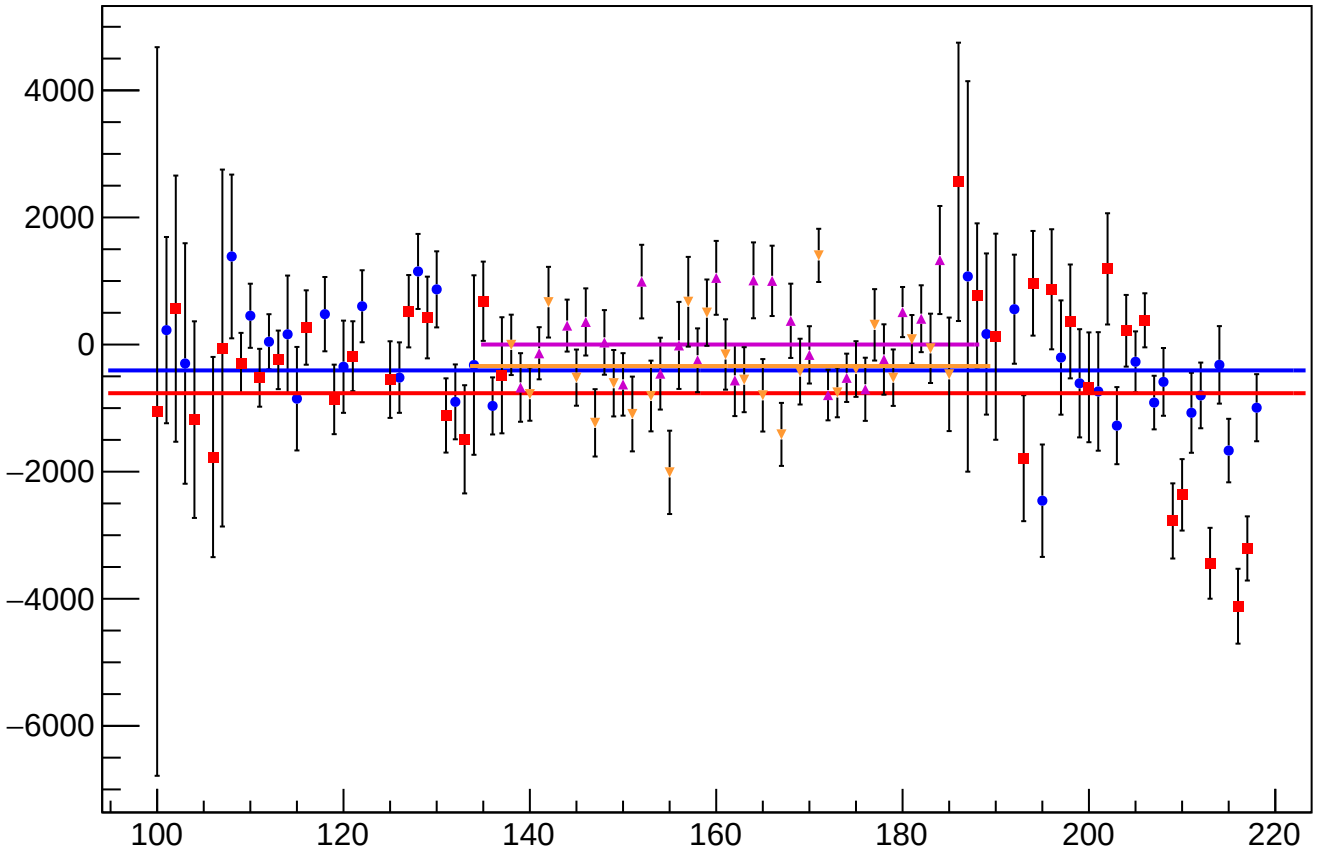
Right Out: 1120.488+/-0.178 χ^2/NDF: 254155.0/33

Left In: 1084.166+/-0.179 χ^2/NDF:53438.8/22

+ sign 1096.606+/-0.125 χ^2/NDF: 718978.1/55

All: 1099.527+/-0.089 χ^2/NDF: 1048412.9/11

- sign 1102.492+/-0.126 χ^2/NDF: 328337.2/56



Right In: -406.885+/-112.960 χ^2/NDF: 46.4/31

Left Out: -337.816+/-102.601 χ^2/NDF:48.8/23

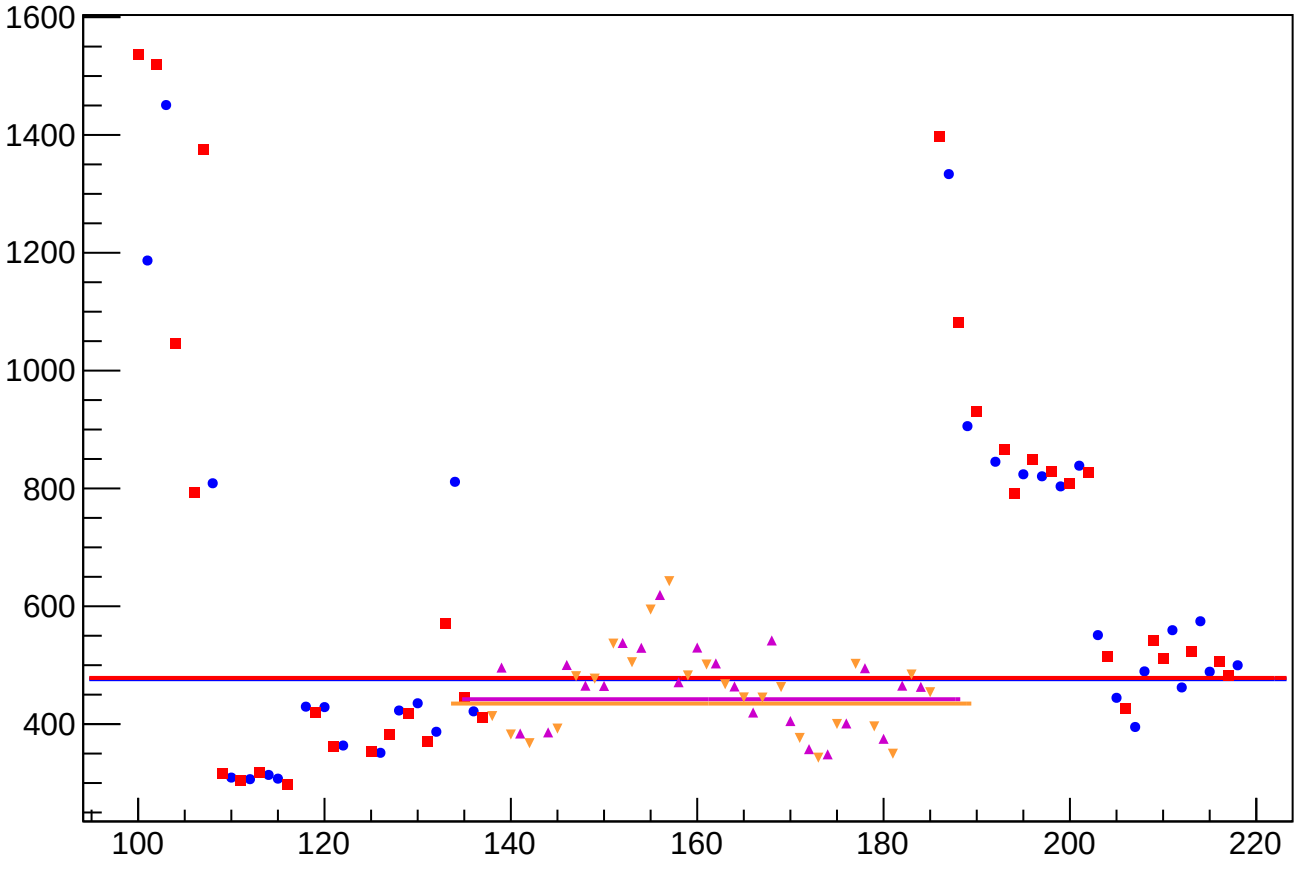
Right Out: -765.334+/-115.807 χ^2/NDF: 151.3/33

Left In: 0.567+/-104.733 χ^2/NDF:31.9/22

+ sign -369.039+/-75.949 χ^2/NDF: 95.4/55

All: -356.812+/-54.305 χ^2/NDF: 302.6/112

- sign -344.021+/-77.678 χ^2/NDF: 207.2/56



Right In: 476.249+/-0.080 χ^2/NDF: 4385933.5/31

Left Out: 434.856+/-0.073 χ^2/NDF:878507.3/23

Right Out: 478.364+/-0.082 χ^2/NDF: 5427596.2/33

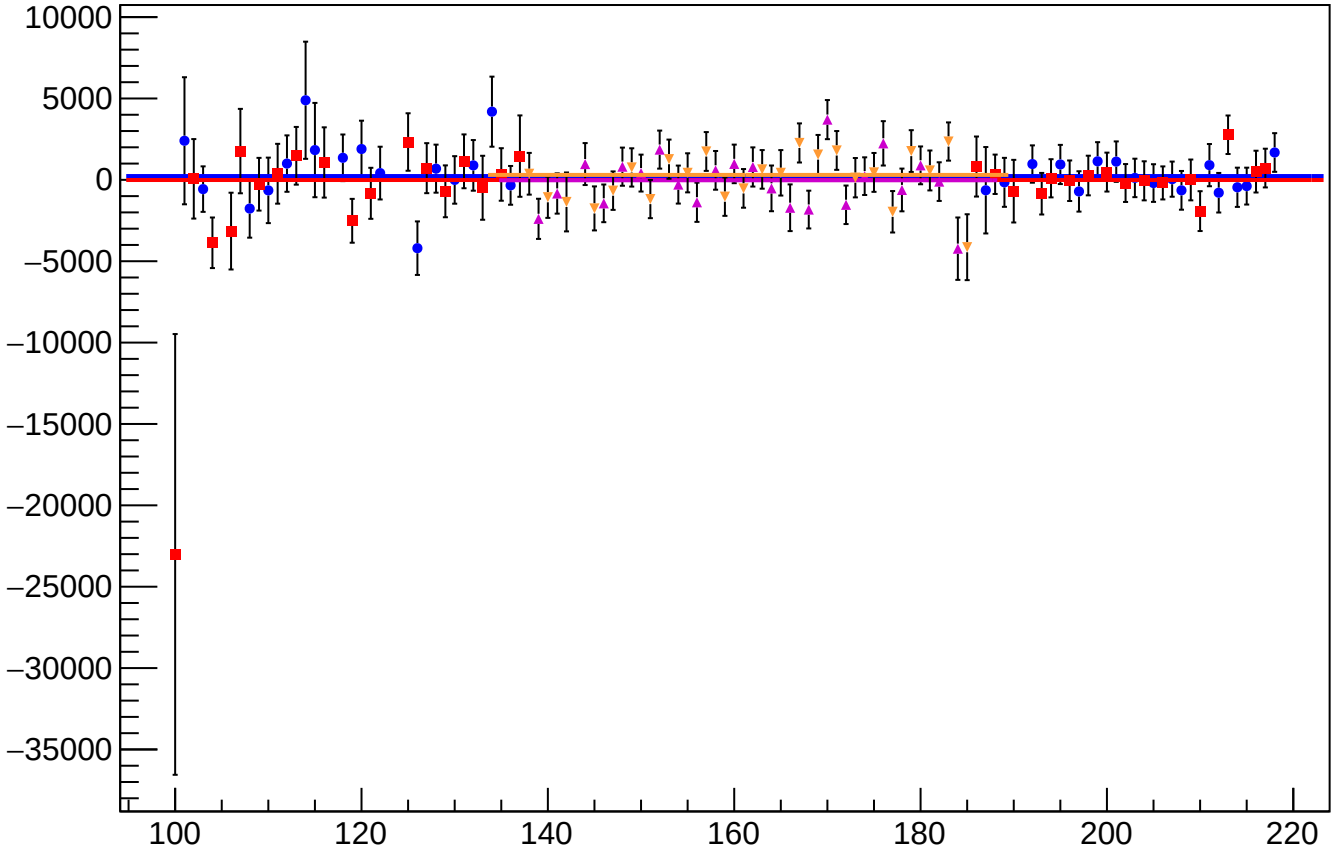
Left In: 442.210+/-0.074 χ^2/NDF:825844.5/22

+ sign 453.568+/-0.054 χ^2/NDF: 5411593.5/55

All: 455.966+/-0.038 χ^2/NDF: 11776344.1/11

- sign 458.476+/-0.055 χ^2/NDF: 6360668.3/56

dit_asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 233.666+/-249.816 χ^2/NDF: 23.4/31

Left Out: 303.404+/-255.556 χ^2/NDF:28.5/23

Right Out: -9.827+/-252.161 χ^2/NDF: 28.8/33

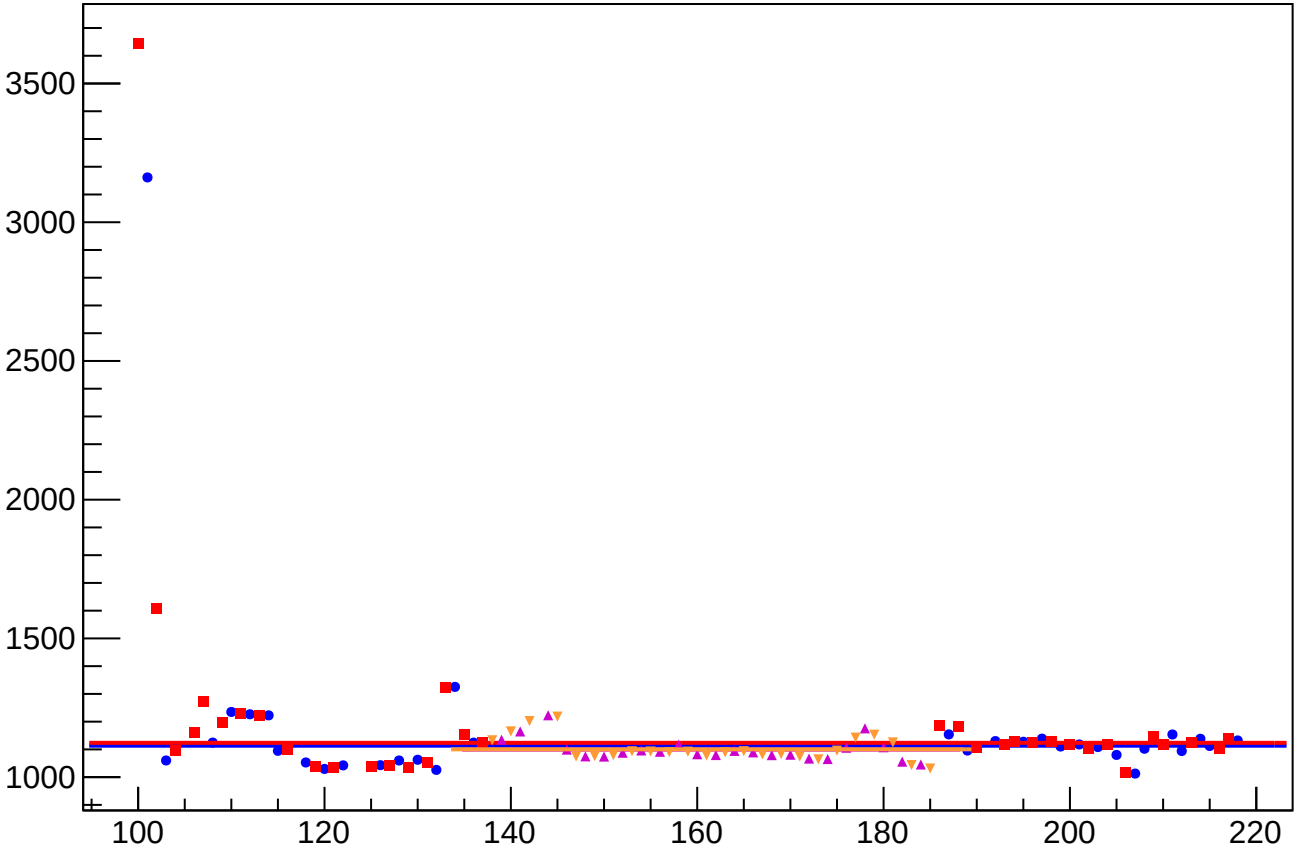
Left In: -25.319+/-256.866 χ^2/NDF:35.9/22

+ sign 267.743+/-178.641 χ^2/NDF: 51.9/55

All: 126.193+/-126.777 χ^2/NDF: 117.8/112

- sign -17.430+/-179.945 χ^2/NDF: 64.6/56

dit_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1113.344+/-0.177 χ^2/NDF: 643003.7/31

Left Out: 1100.258+/-0.181 χ^2/NDF:48774.1/23

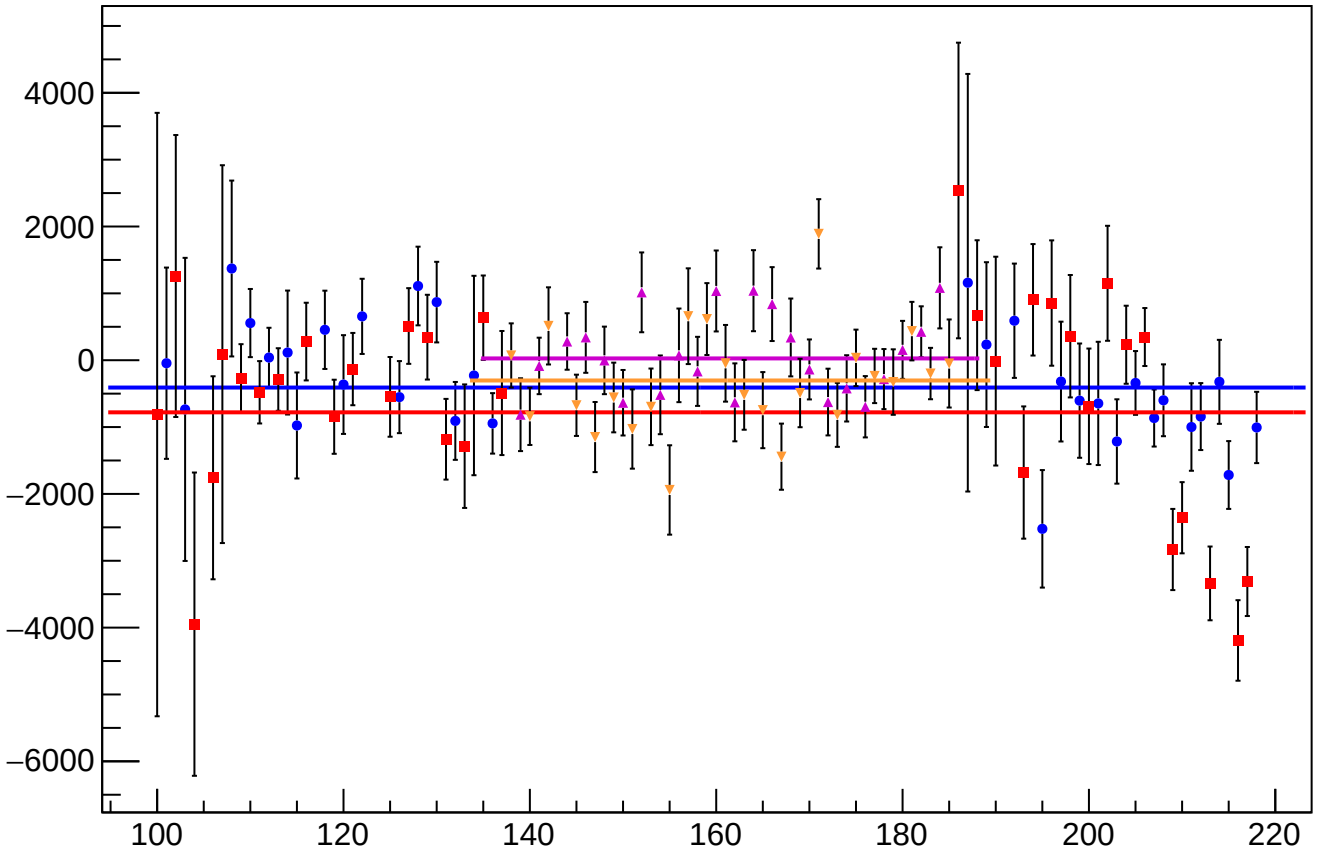
Right Out: 1123.667+/-0.178 χ^2/NDF: 259888.8/33

Left In: 1099.342+/-0.182 χ^2/NDF:44785.6/22

+ sign 1106.949+/-0.126 χ^2/NDF: 694459.2/55

All: 1109.322+/-0.090 χ^2/NDF: 1008978.2/11

- sign 1111.729+/-0.127 χ^2/NDF: 313808.3/56



Right In: -408.799+/-113.582 χ^2/NDF: 46.7/31

Left Out: -303.217+/-102.979 χ^2/NDF:49.5/23

Right Out: -779.676+/-117.184 χ^2/NDF: 151.3/33

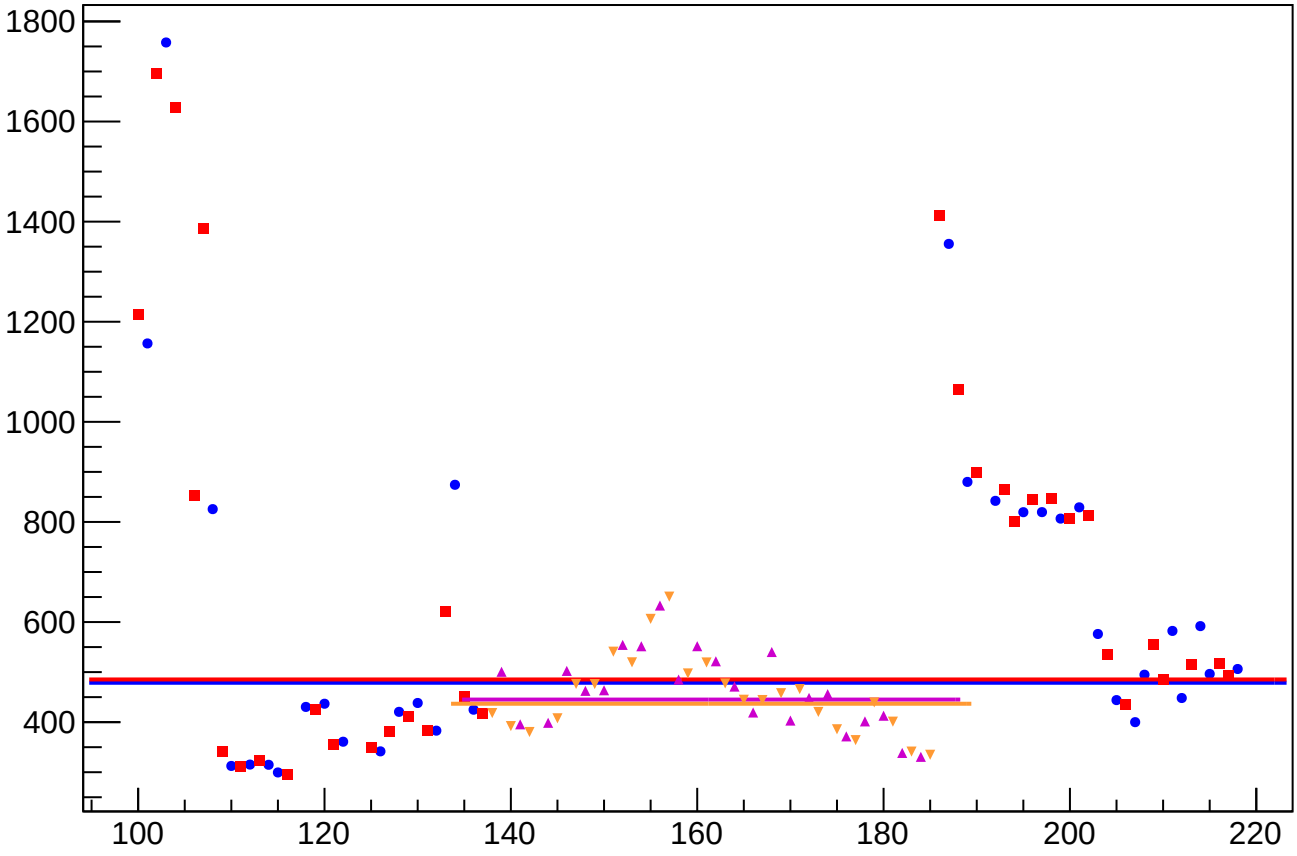
Left In: 26.740+/-105.420 χ^2/NDF:27.9/22

+ sign -350.851+/-76.291 χ^2/NDF: 96.7/55

All: -342.638+/-54.667 χ^2/NDF: 302.1/112

- sign -333.971+/-78.373 χ^2/NDF: 205.4/56

asym_us_dd_atlr_dd_dd_dit_correction_rms vs Slug



Right In: 478.730+/-0.080 χ^2/NDF: 4522801.2/31

Left Out: 436.787+/-0.073 χ^2/NDF:855206.3/23

Right Out: 485.306+/-0.083 χ^2/NDF: 5740939.8/33

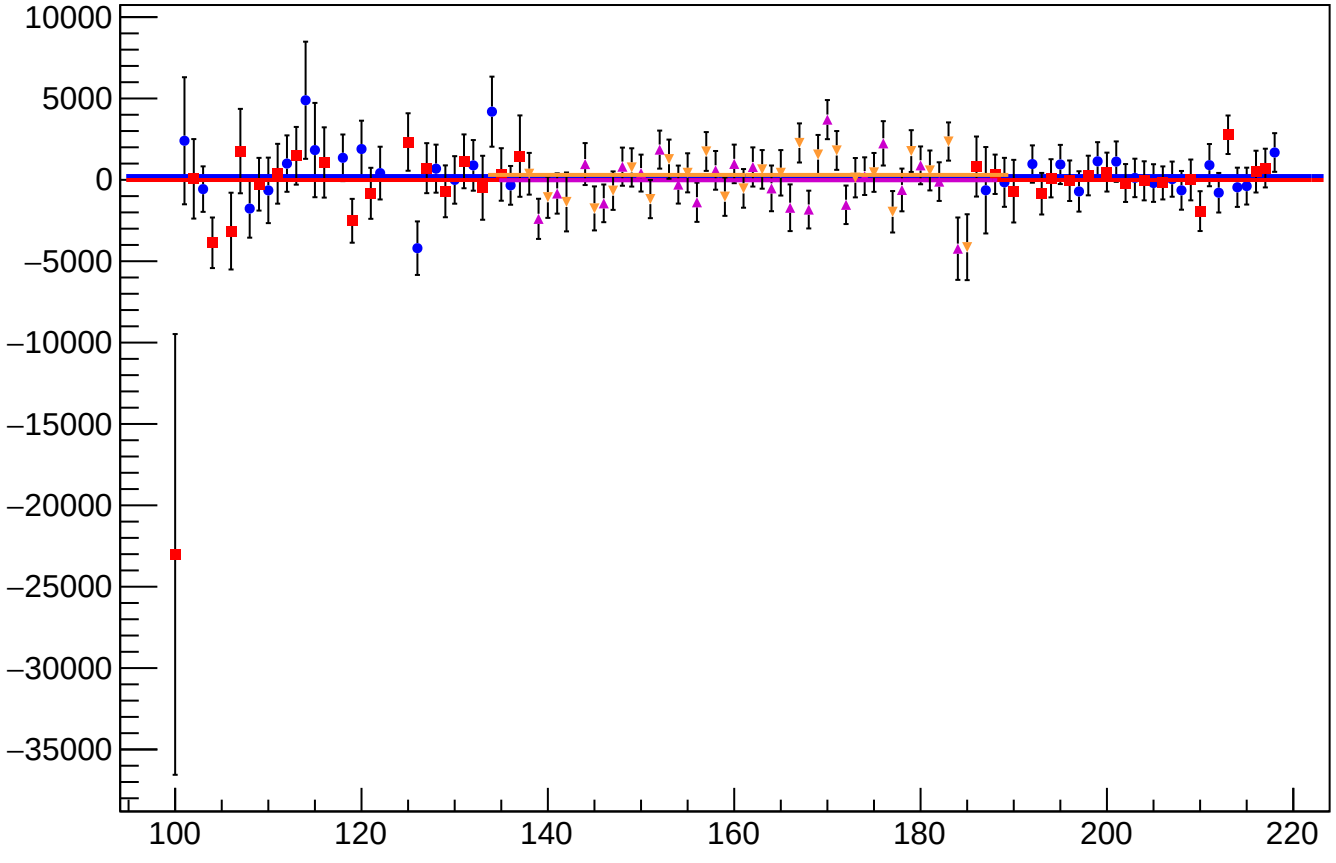
Left In: 445.109+/-0.075 χ^2/NDF:874534.9/22

+ sign 455.710+/-0.054 χ^2/NDF: 5527694.6/55

All: 459.300+/-0.039 χ^2/NDF: 12282341.2/11

- sign 463.089+/-0.055 χ^2/NDF: 6745543.5/56

eigen_dit_asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 233.663+/-249.816 χ^2/NDF: 23.4/31

Left Out: 303.402+/-255.556 χ^2/NDF:28.5/23

Right Out: -9.827+/-252.161 χ^2/NDF: 28.8/33

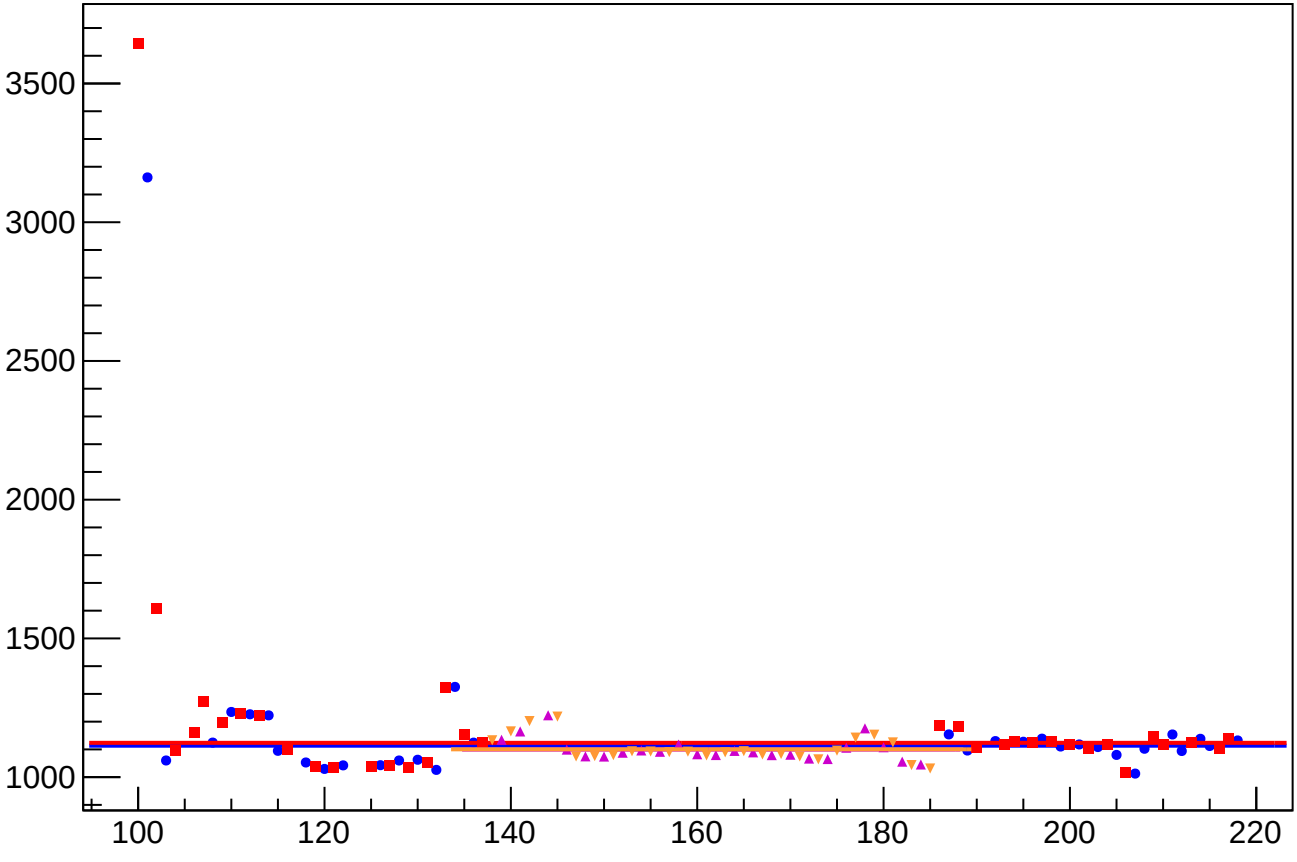
Left In: -25.320+/-256.866 χ^2/NDF:35.9/22

+ sign 267.740+/-178.641 χ^2/NDF: 51.9/55

All: 126.192+/-126.777 χ^2/NDF: 117.8/112

- sign -17.430+/-179.945 χ^2/NDF: 64.6/56

eigen_dit_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1113.344+/-0.177 χ^2/NDF: 643003.7/31

Left Out: 1100.258+/-0.181 χ^2/NDF:48774.3/23

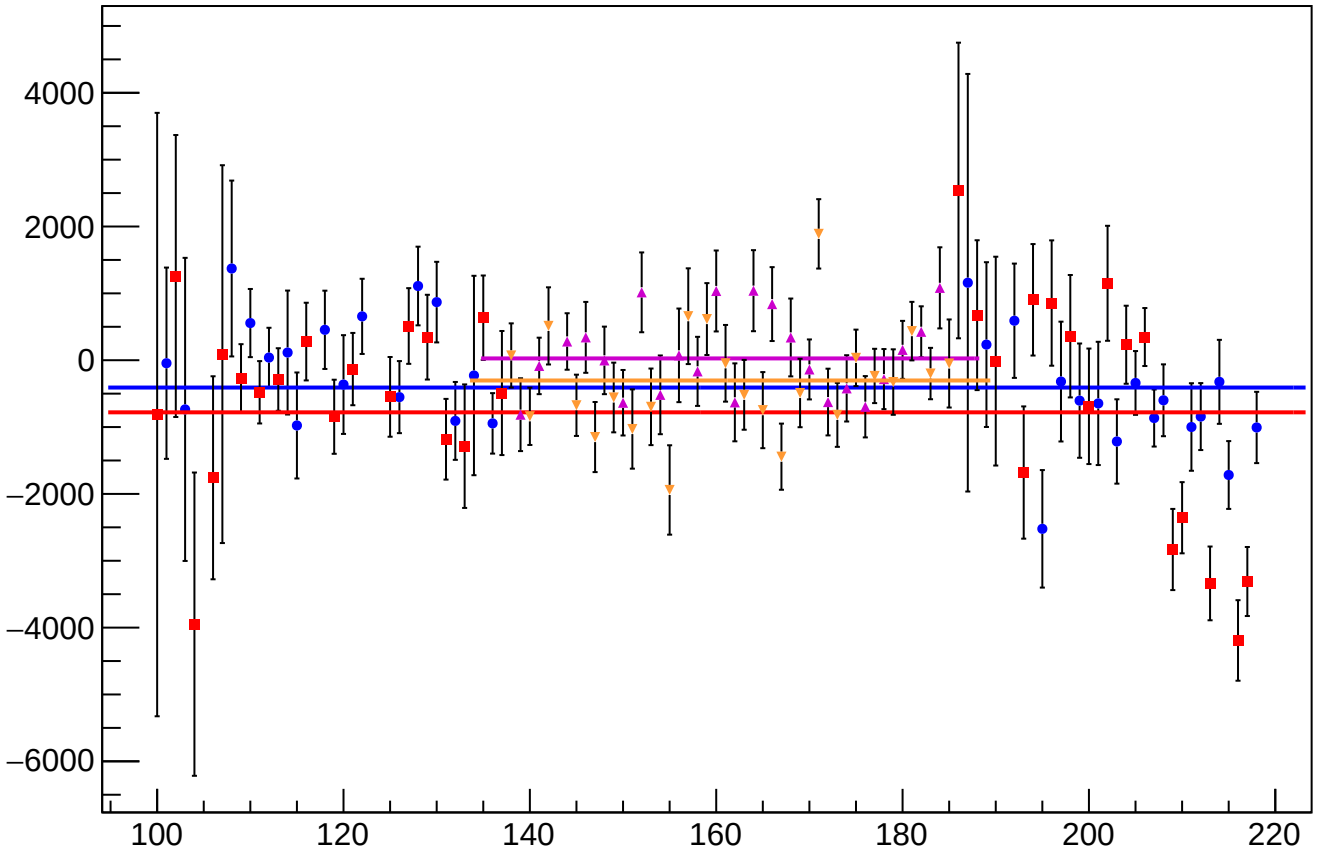
Right Out: 1123.667+/-0.178 χ^2/NDF: 259888.9/33

Left In: 1099.342+/-0.182 χ^2/NDF:44785.7/22

+ sign 1106.949+/-0.126 χ^2/NDF: 694459.5/55

All: 1109.322+/-0.090 χ^2/NDF: 1008978.7/11

- sign 1111.729+/-0.127 χ^2/NDF: 313808.5/56



Right In: -408.803+/-113.581 χ^2/NDF: 46.7/31

Left Out: -303.218+/-102.979 χ^2/NDF:49.5/23

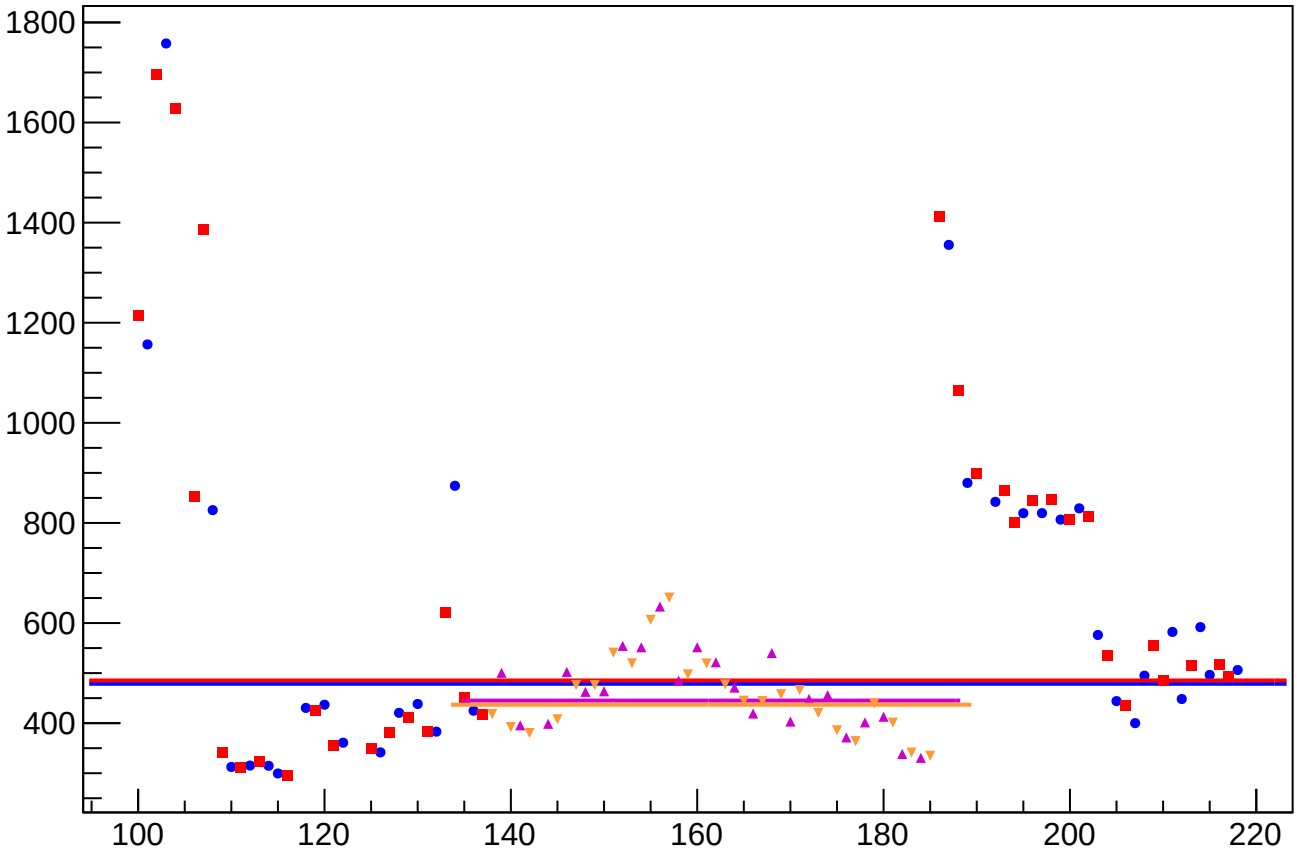
Right Out: -779.664+/-117.184 χ^2/NDF: 151.3/33

Left In: 26.739+/-105.420 χ^2/NDF:27.9/22

\+ sign -350.854+/-76.291 χ^2/NDF: 96.7/55

All: -342.638+/-54.667 χ^2/NDF: 302.1/112

\- sign -333.967+/-78.373 χ^2/NDF: 205.4/56



Right In: 478.728+/-0.080 χ^2/NDF: 4522835.7/31

Left Out: 436.787+/-0.073 χ^2/NDF:855236.5/23

Right Out: 485.304+/-0.083 χ^2/NDF: 5741010.5/33

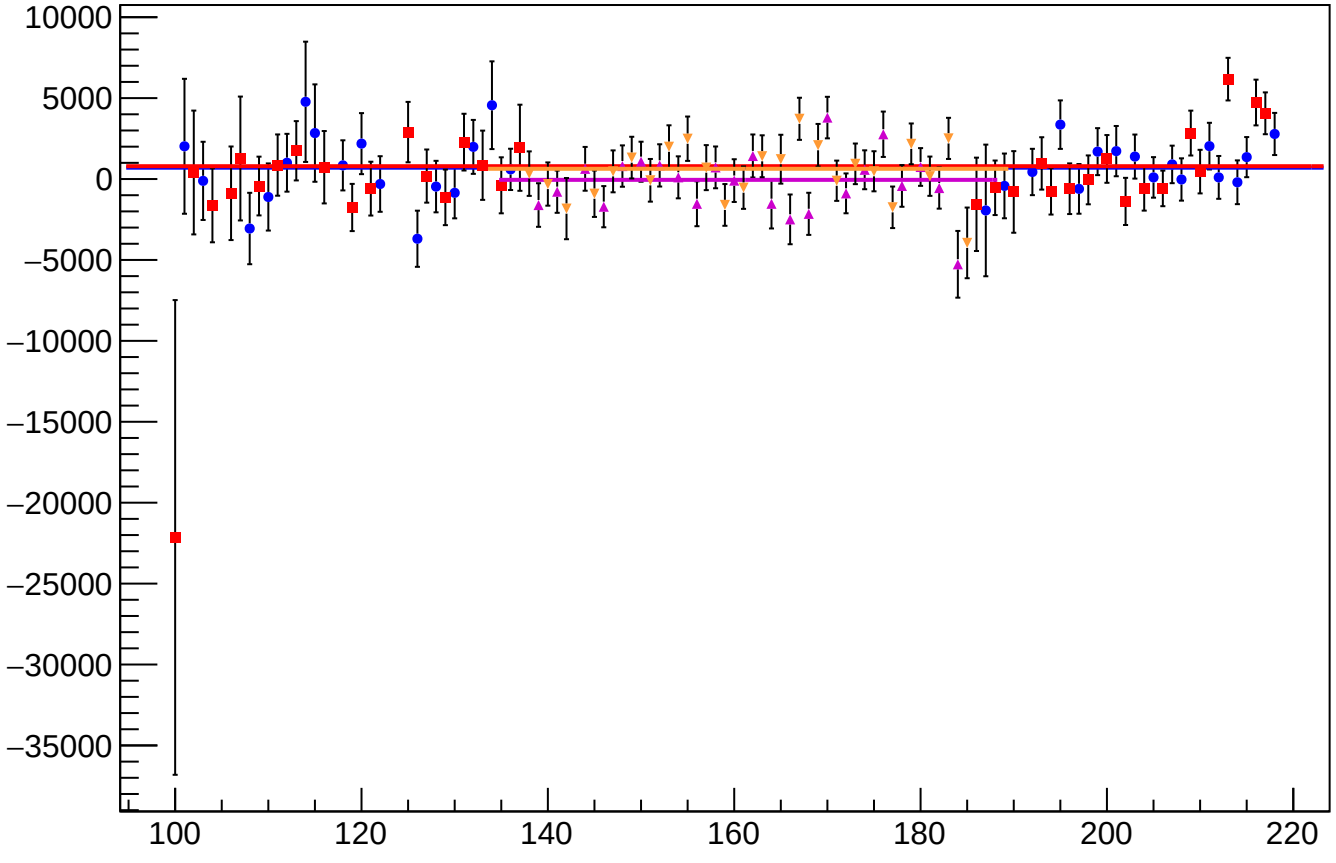
Left In: 445.108+/-0.075 χ^2/NDF:874568.8/22

+ sign 455.709+/-0.054 χ^2/NDF: 5527746.2/55

All: 459.299+/-0.039 χ^2/NDF: 12282485.8/11

- sign 463.088+/-0.055 χ^2/NDF: 6745636.6/56

asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 701.774+/-284.635 χ^2/NDF: 27.9/31

Left Out: 632.875+/-274.060 χ^2/NDF:30.1/23

Right Out: 792.801+/-291.342 χ^2/NDF: 54.5/33

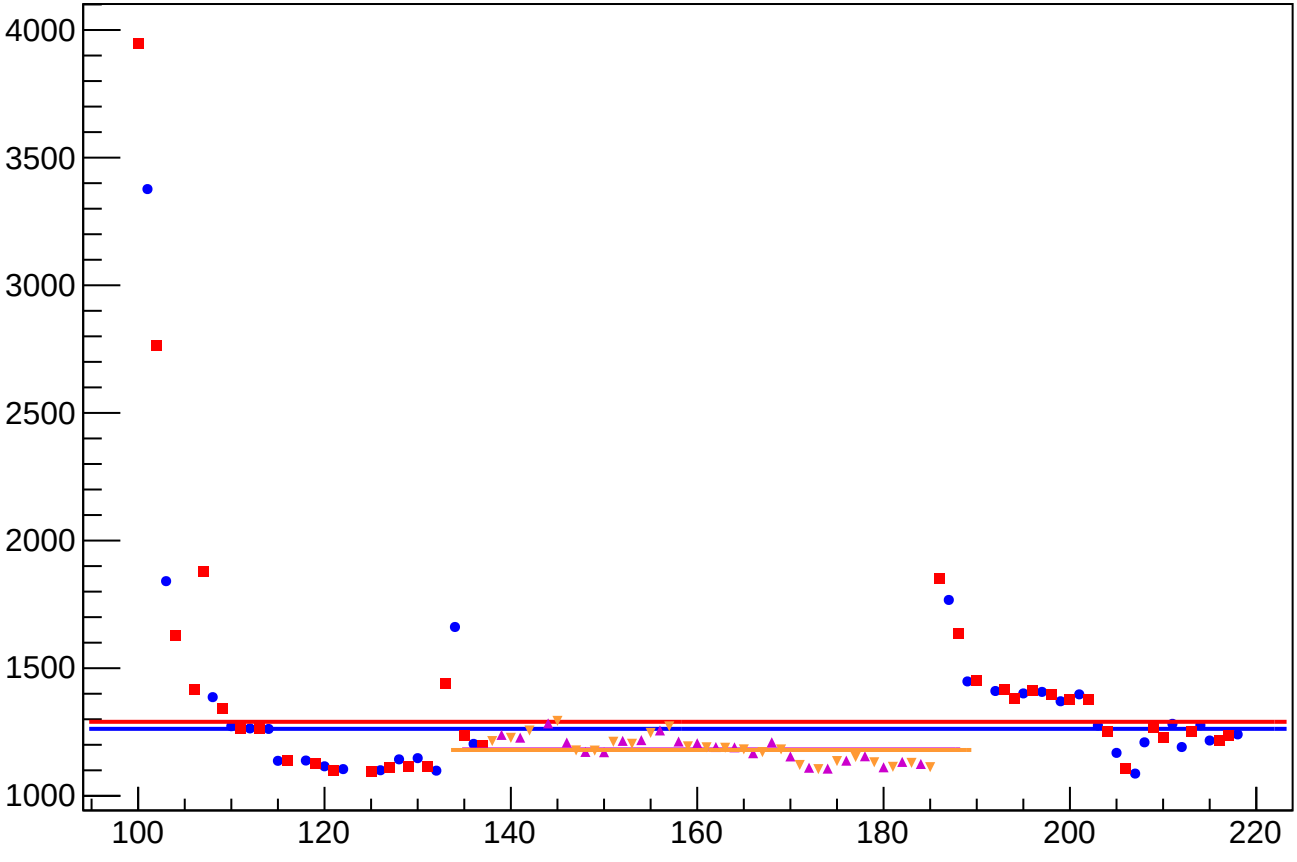
Left In: -50.835+/-276.213 χ^2/NDF:35.0/22

+ sign 666.021+/-197.423 χ^2/NDF: 58.0/55

All: 509.679+/-140.656 χ^2/NDF: 153.2/112

- sign 348.510+/-200.447 χ^2/NDF: 93.9/56

asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1262.480+/-0.201 χ^2/NDF: 987872.8/31

Left Out: 1179.713+/-0.194 χ^2/NDF:64667.7/23

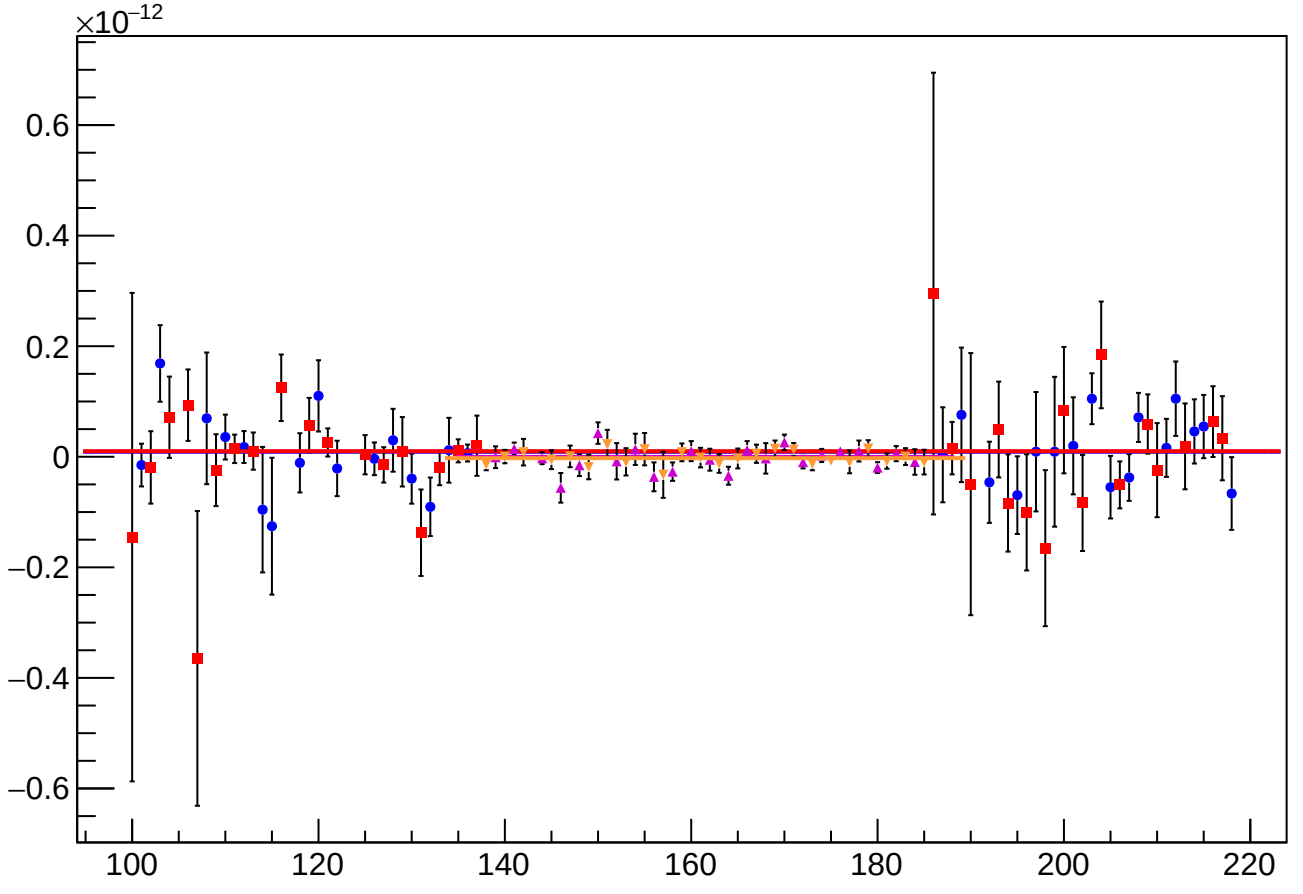
Right Out: 1290.043+/-0.206 χ^2/NDF: 918824.6/33

Left In: 1181.929+/-0.195 χ^2/NDF:60355.9/22

\+ sign 1219.530+/-0.140 χ^2/NDF: 1140294.1/55

All: 1226.215+/-0.099 χ^2/NDF: 2269174.5/11

\- sign 1233.106+/-0.142 χ^2/NDF: 1124224.0/56



Right In: 0.000+/-0.000 χ^2/NDF: 31.9/31

Left Out: -0.000+/-0.000 χ^2/NDF:10.5/23

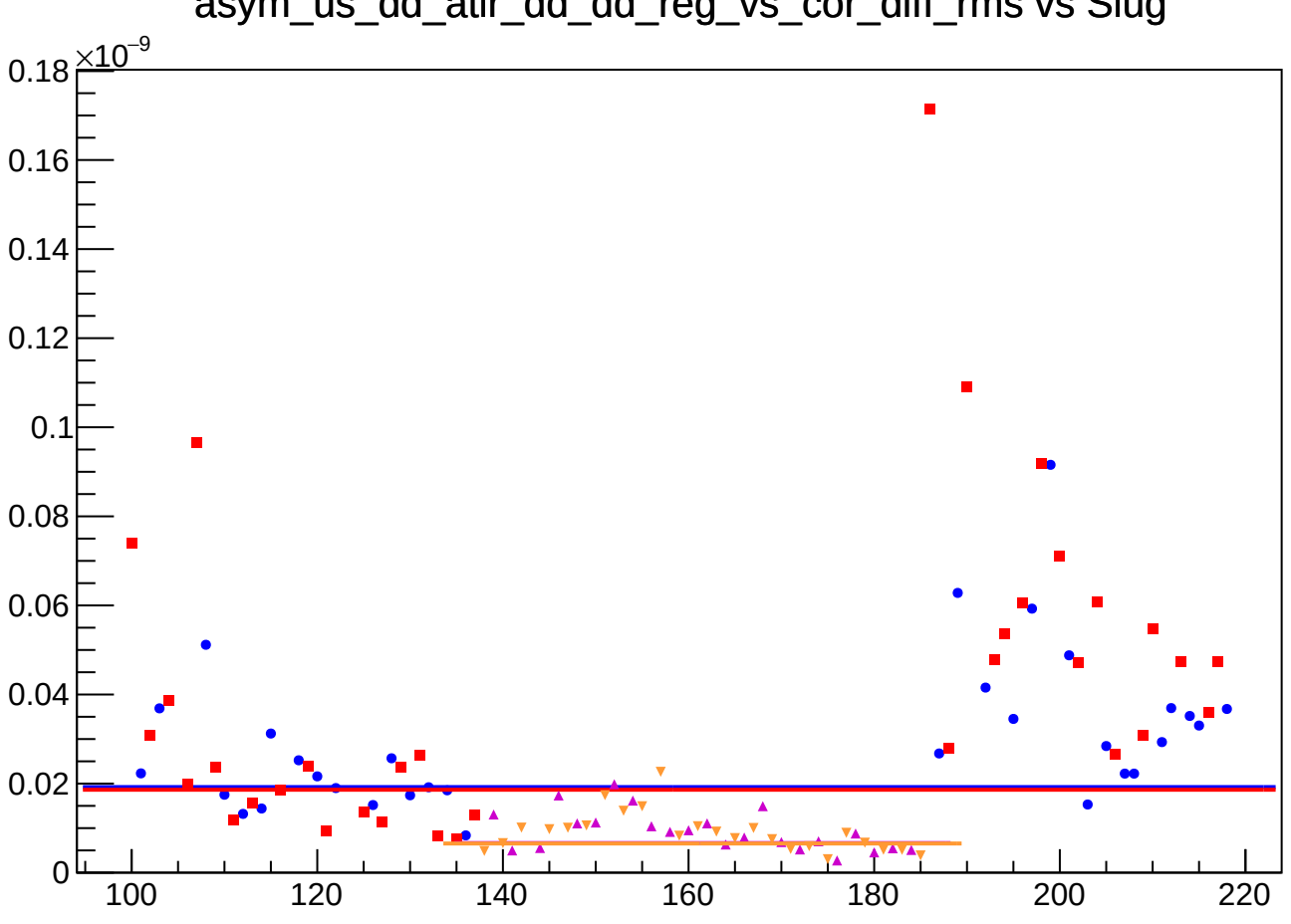
Right Out: 0.000+/-0.000 χ^2/NDF: 28.3/33

Left In: -0.000+/-0.000 χ^2/NDF:32.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 44.1/55

All: -0.000+/-0.000 χ^2/NDF: 106.5/112

- sign 0.000+/-0.000 χ^2/NDF: 62.2/56



Right In: 0.000+/-0.000 χ^2/NDF: 3831048.9/31

Left Out: 0.000+/-0.000 χ^2/NDF:2332749.6/23

Right Out: 0.000+/-0.000 χ^2/NDF: 6196945.7/33

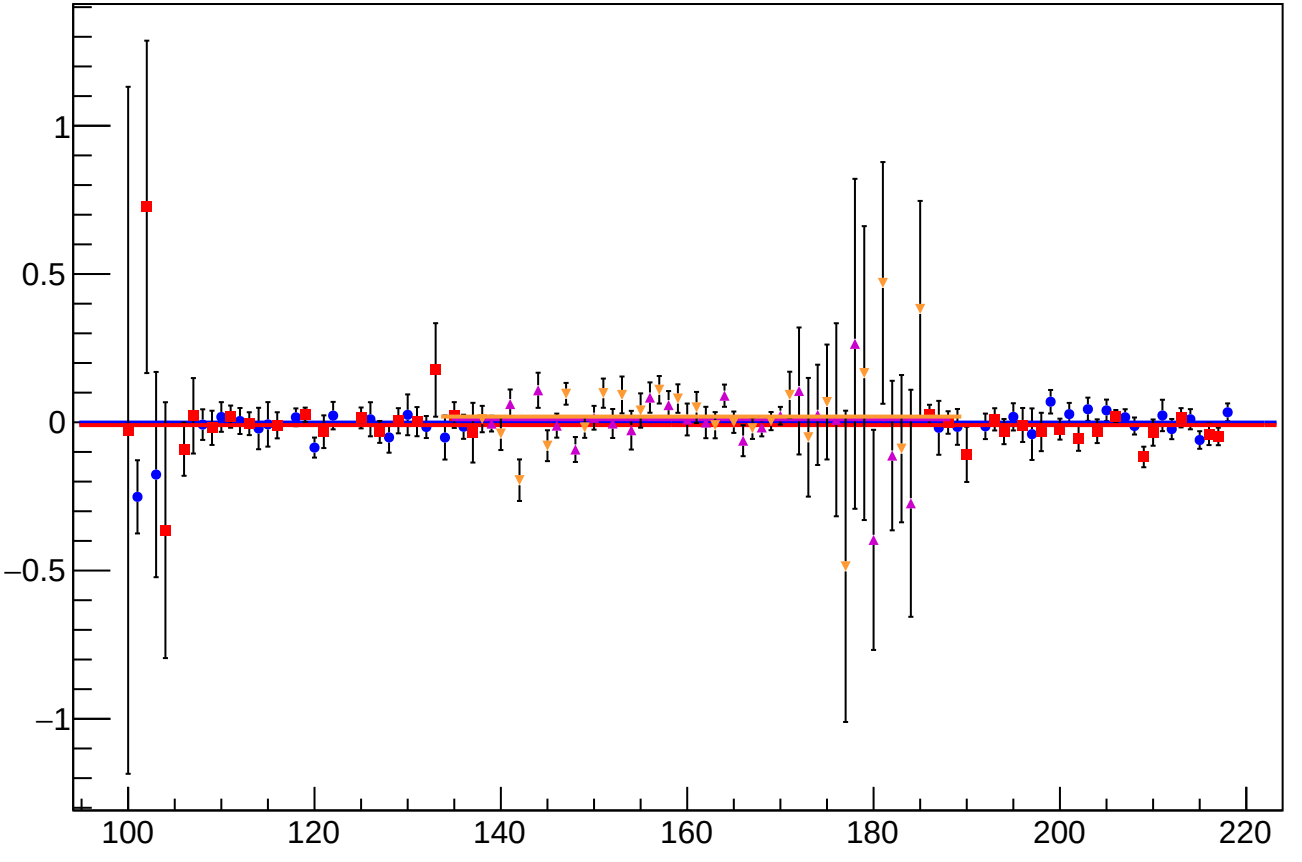
Left In: 0.000+/-0.000 χ^2/NDF:2542530.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 10369391.8/55

All: 0.000+/-0.000 χ^2/NDF: 22697461.2/112

- sign 0.000+/-0.000 χ^2/NDF: 12328069.2/56

asym_us_dd_atlr_dd_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.001+/-0.007 χ^2/NDF: 26.8/31

Left Out: 0.019+/-0.011 χ^2/NDF:35.9/23

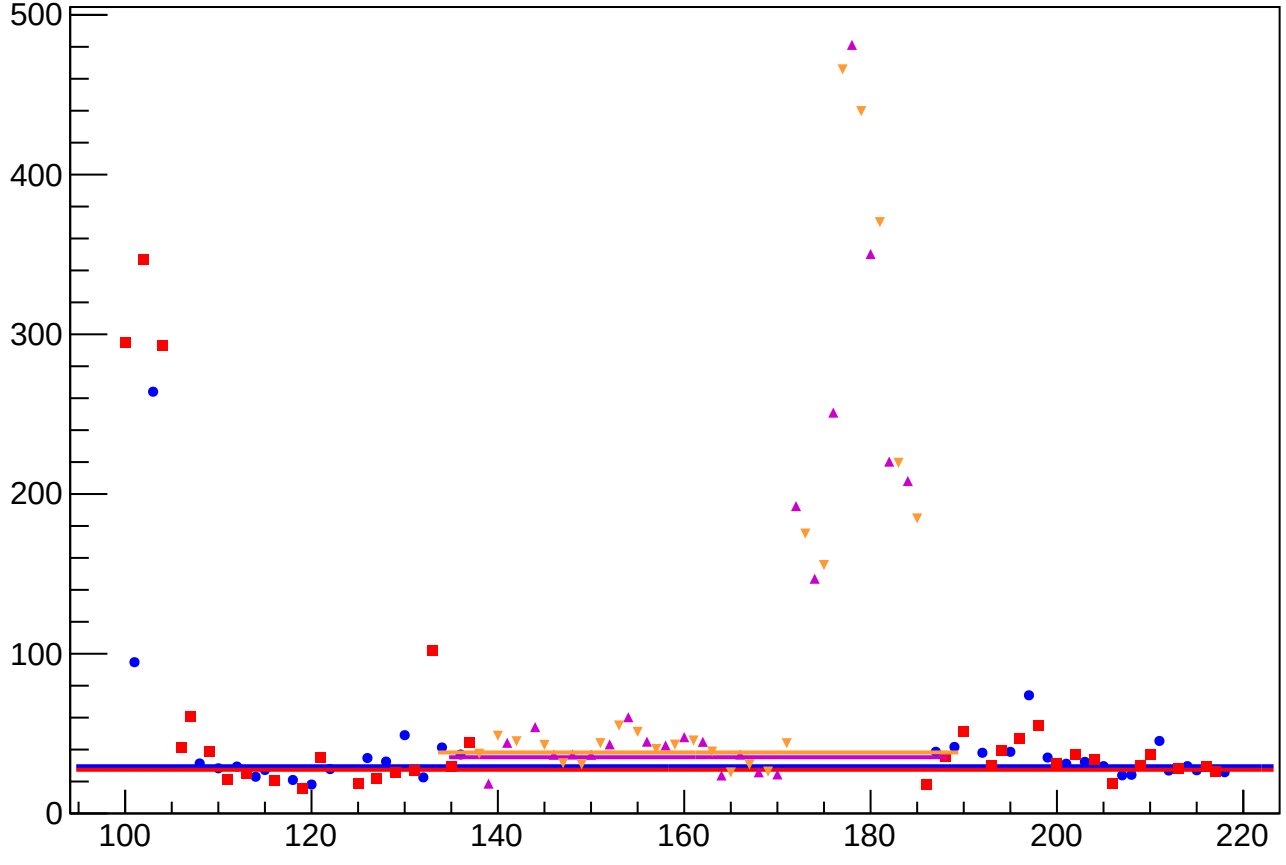
Right Out: -0.009+/-0.007 χ^2/NDF: 28.5/33

Left In: 0.010+/-0.010 χ^2/NDF:23.6/22

+ sign 0.006+/-0.006 χ^2/NDF: 65.1/55

All: 0.001+/-0.004 χ^2/NDF: 120.7/112

- sign -0.003+/-0.006 χ^2/NDF: 54.6/56



Right In: 29.558+/-0.005 χ^2/NDF: 3486783.3/31

Left Out: 38.211+/-0.008 χ^2/NDF:8285024.8/23

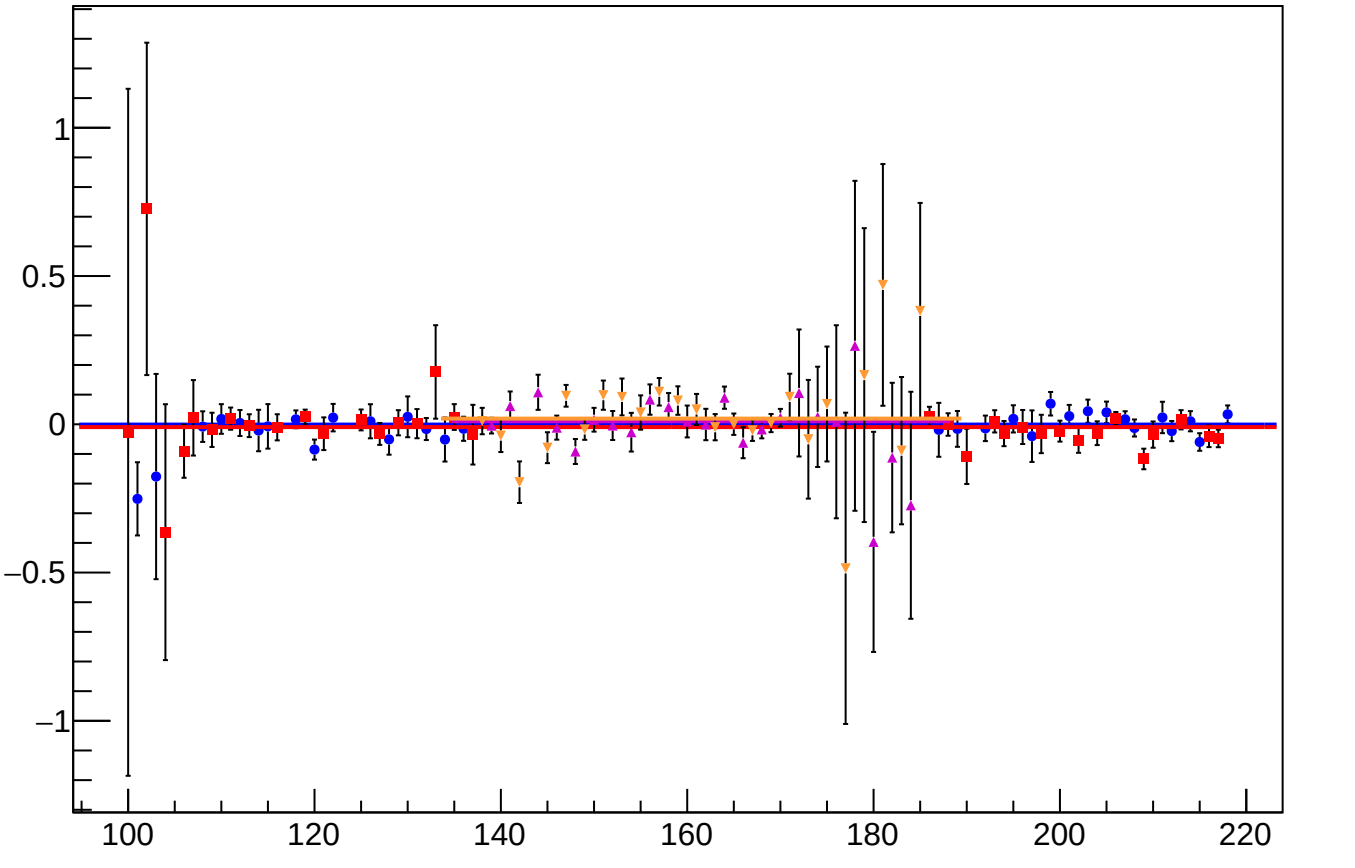
Right Out: 27.343+/-0.005 χ^2/NDF: 4830153.3/33

Left In: 35.195+/-0.007 χ^2/NDF:9390926.6/22

+ sign 32.368+/-0.004 χ^2/NDF: 12637466.8/55

All: 31.082+/-0.003 χ^2/NDF: 27812532.0/112

- sign 29.913+/-0.004 χ^2/NDF: 15008590.7/56



Right In: -0.001+/-0.007 χ^2/NDF: 26.8/31

Left Out: 0.019+/-0.011 χ^2/NDF:35.9/23

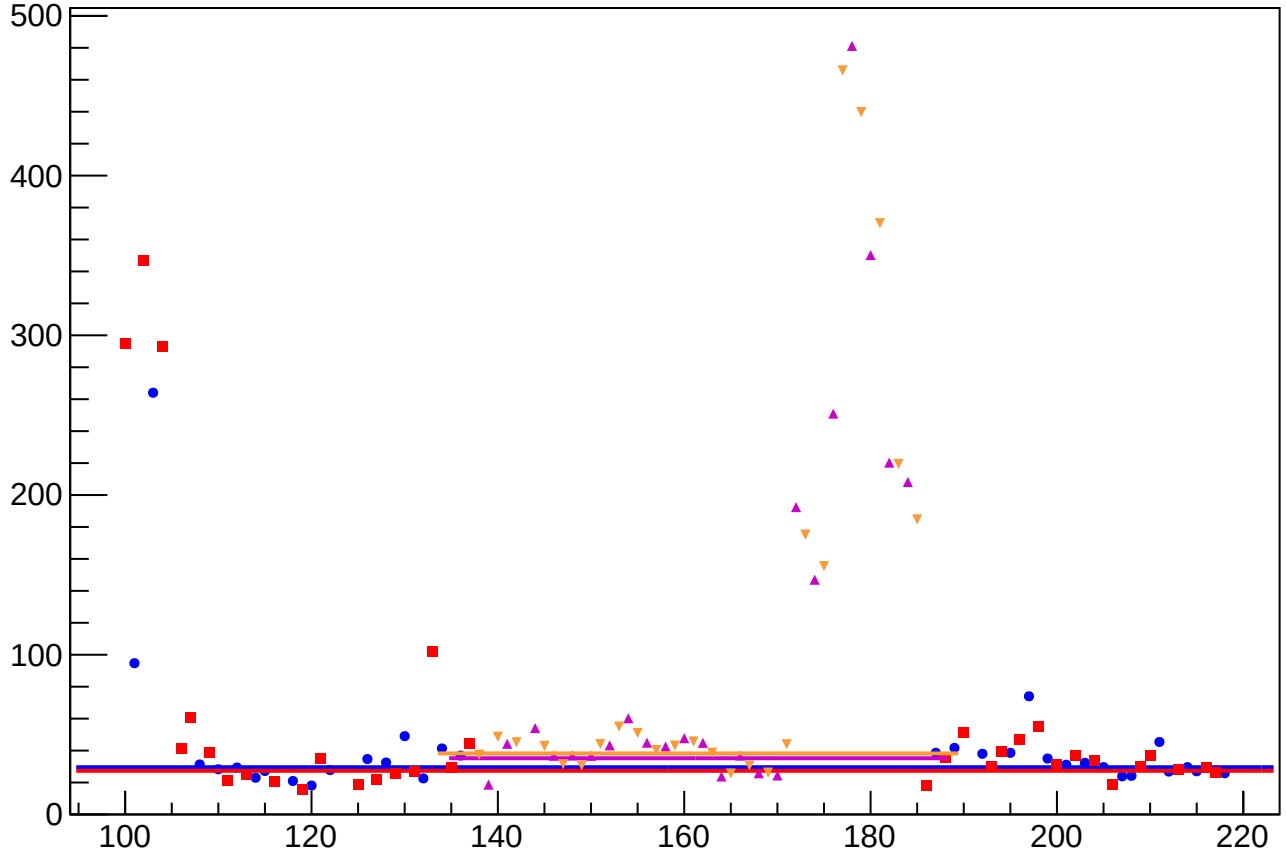
Right Out: -0.009+/-0.007 χ^2/NDF: 28.5/33

Left In: 0.010+/-0.010 χ^2/NDF:23.6/22

+ sign 0.006+/-0.006 χ^2/NDF: 65.1/55

All: 0.001+/-0.004 χ^2/NDF: 120.7/112

- sign -0.003+/-0.006 χ^2/NDF: 54.6/56



Right In: 29.558+/-0.005 χ^2/NDF: 3486783.3/31

Left Out: 38.211+/-0.008 χ^2/NDF:8285024.8/23

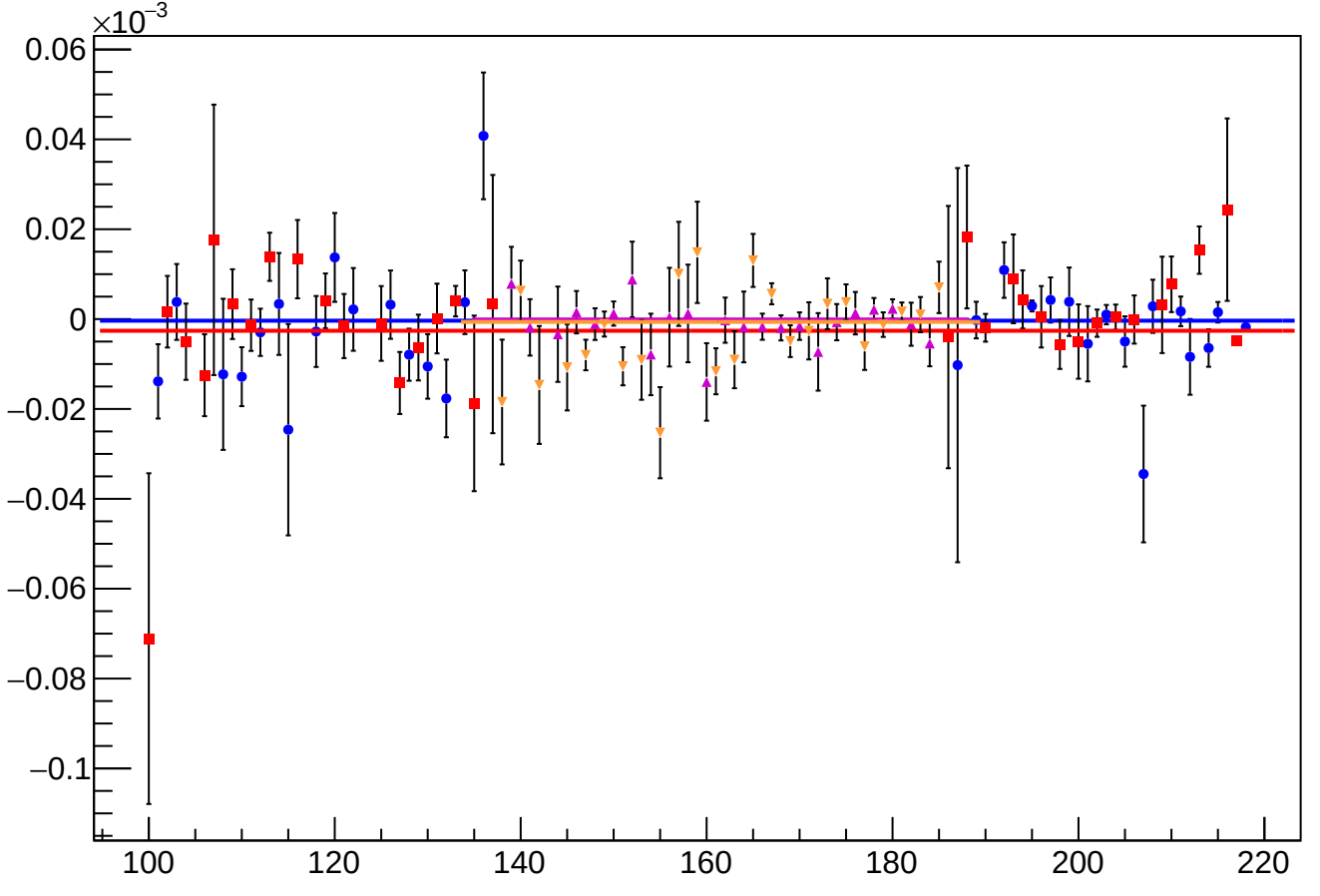
Right Out: 27.343+/-0.005 χ^2/NDF: 4830153.3/33

Left In: 35.195+/-0.007 χ^2/NDF:9390926.6/22

+ sign 32.368+/-0.004 χ^2/NDF: 12637466.8/55

All: 31.082+/-0.003 χ^2/NDF: 27812532.0/112

- sign 29.913+/-0.004 χ^2/NDF: 15008590.7/56



Right In: -0.000+/-0.000 χ^2/NDF: 53.1/31

Left Out: -0.000+/-0.000 χ^2/NDF:51.2/23

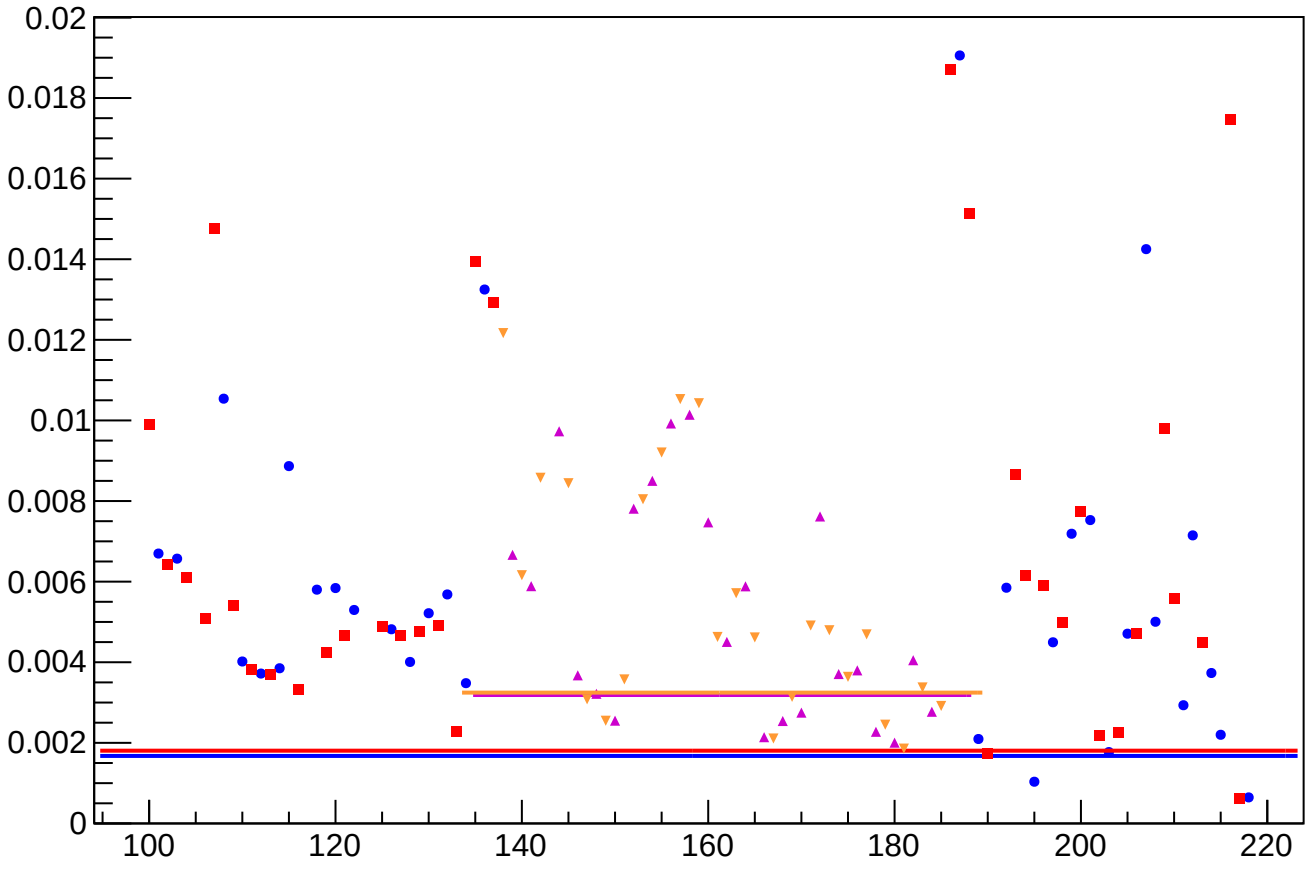
Right Out: -0.000+/-0.000 χ^2/NDF: 58.0/33

Left In: -0.000+/-0.000 χ^2/NDF:11.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 104.3/55

All: -0.000+/-0.000 χ^2/NDF: 182.2/112

- sign -0.000+/-0.000 χ^2/NDF: 74.5/56



Right In: 0.002+/-0.000 χ^2/NDF: 18916926.9/31

Left Out: 0.003+/-0.000 χ^2/NDF:7736973.1/23

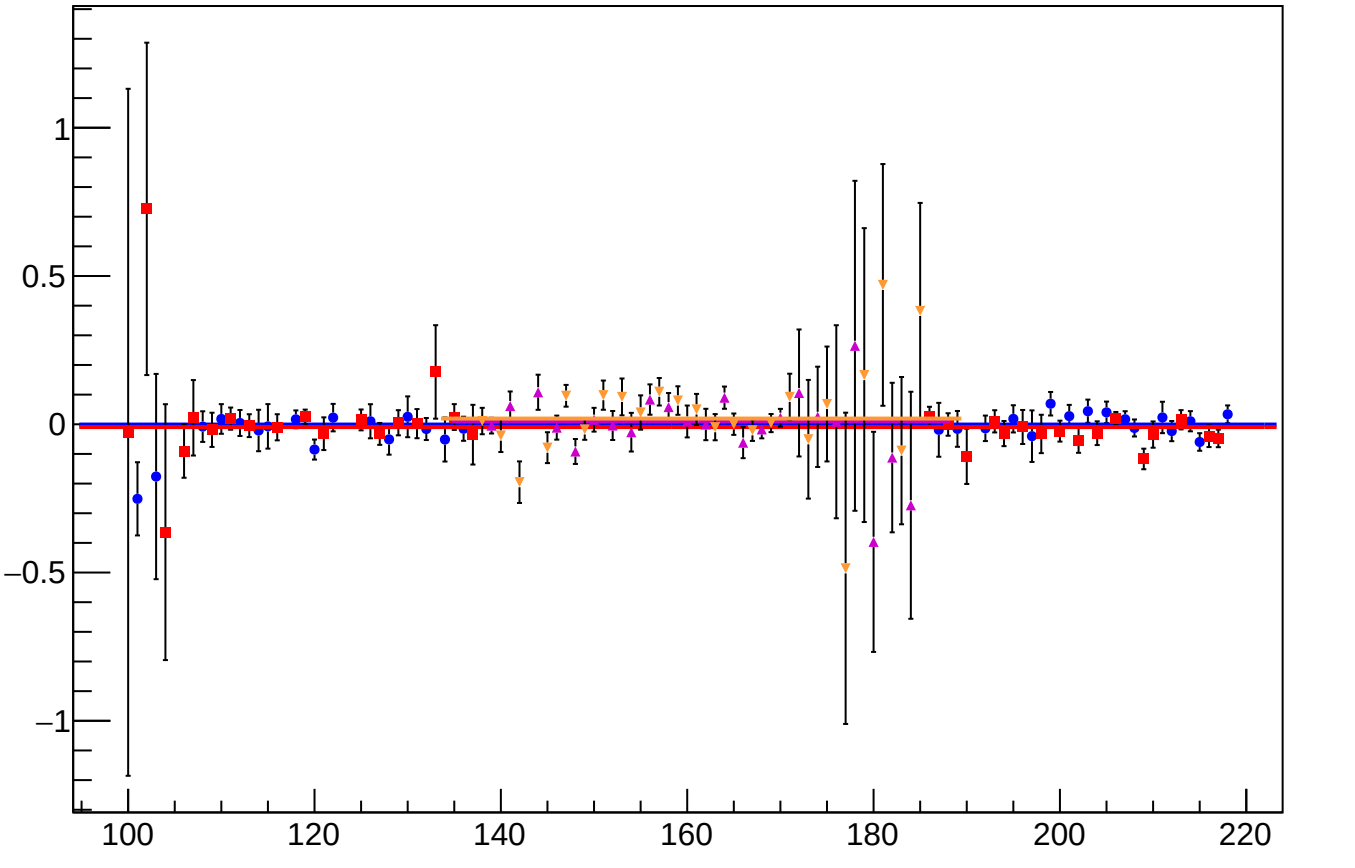
Right Out: 0.002+/-0.000 χ^2/NDF: 20835552.0/33

Left In: 0.003+/-0.000 χ^2/NDF:7301771.9/22

+ sign 0.002+/-0.000 χ^2/NDF: 31290094.6/55

All: 0.002+/-0.000 χ^2/NDF: 62858485.4/112

- sign 0.002+/-0.000 χ^2/NDF: 31470786.8/56



Right In: -0.001+/-0.007 χ^2/NDF: 26.8/31

Left Out: 0.019+/-0.011 χ^2/NDF:35.9/23

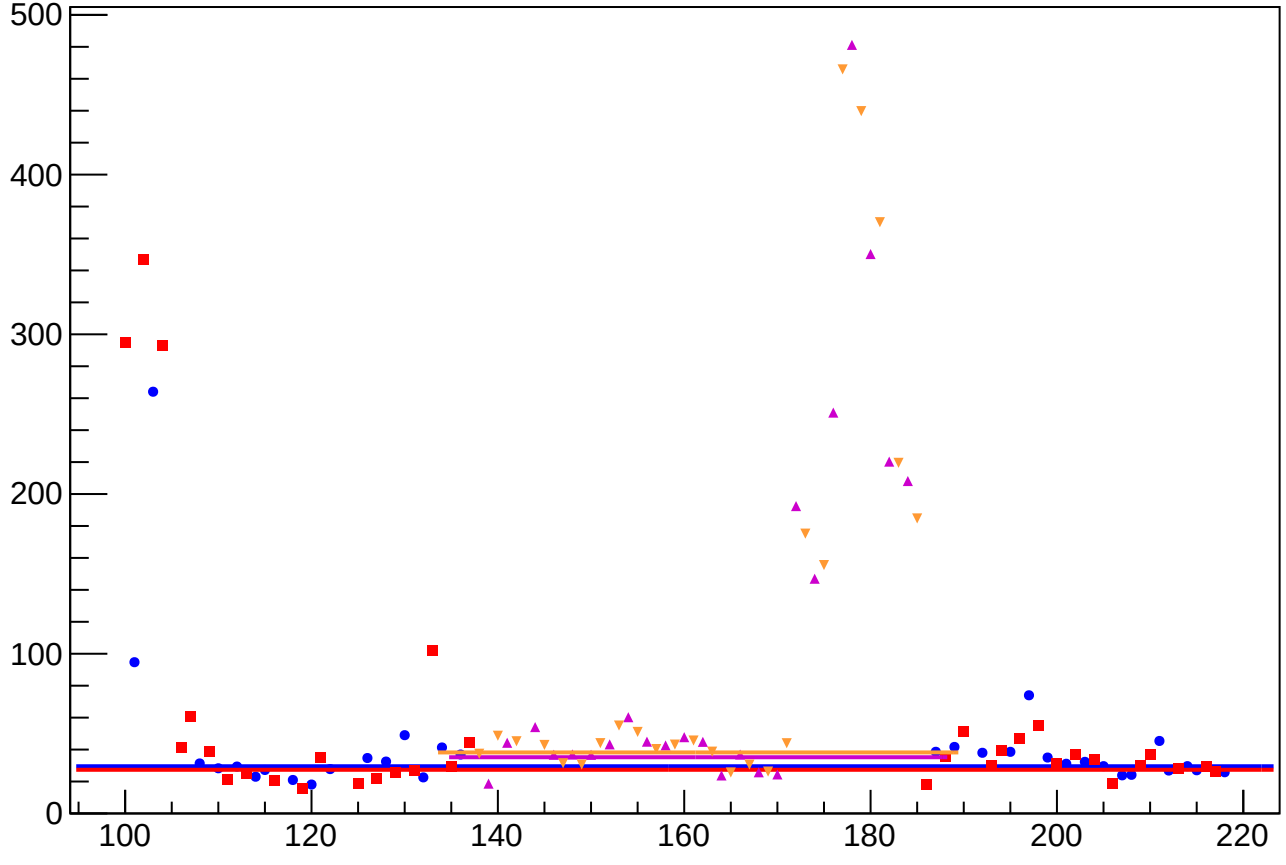
Right Out: -0.009+/-0.007 χ^2/NDF: 28.5/33

Left In: 0.010+/-0.010 χ^2/NDF:23.6/22

+ sign 0.006+/-0.006 χ^2/NDF: 65.1/55

All: 0.001+/-0.004 χ^2/NDF: 120.7/112

- sign -0.003+/-0.006 χ^2/NDF: 54.6/56



Right In: 29.557+/-0.005 χ^2/NDF: 3486956.6/31

Left Out: 38.210+/-0.008 χ^2/NDF:8285200.7/23

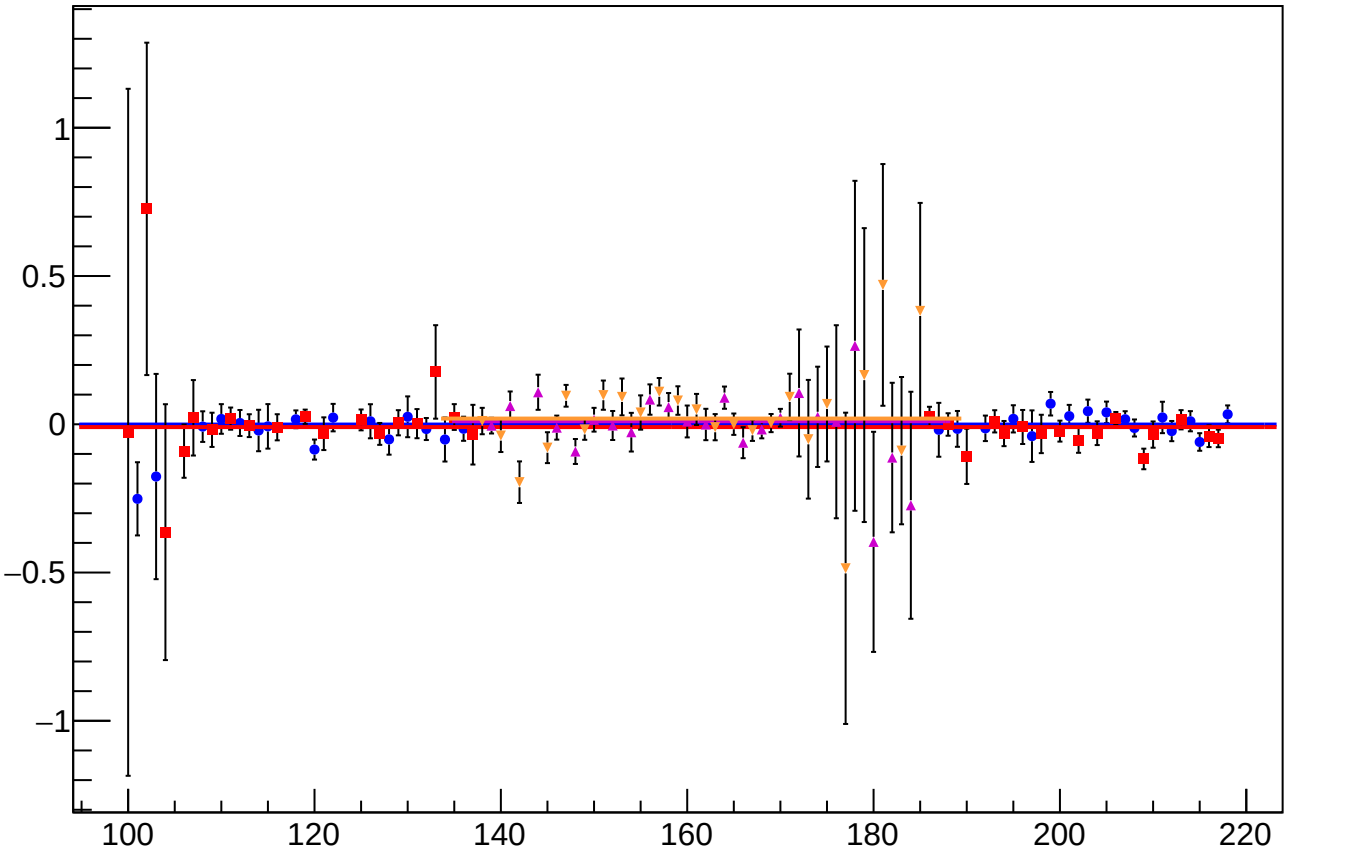
Right Out: 27.342+/-0.005 χ^2/NDF: 4830404.1/33

Left In: 35.195+/-0.007 χ^2/NDF:9391361.4/22

+ sign 32.368+/-0.004 χ^2/NDF: 12637885.9/55

All: 31.081+/-0.003 χ^2/NDF: 27813971.0/112

- sign 29.912+/-0.004 χ^2/NDF: 15009522.2/56



Right In: -0.001+/-0.007 χ^2/NDF: 26.8/31

Left Out: 0.019+/-0.011 χ^2/NDF:35.9/23

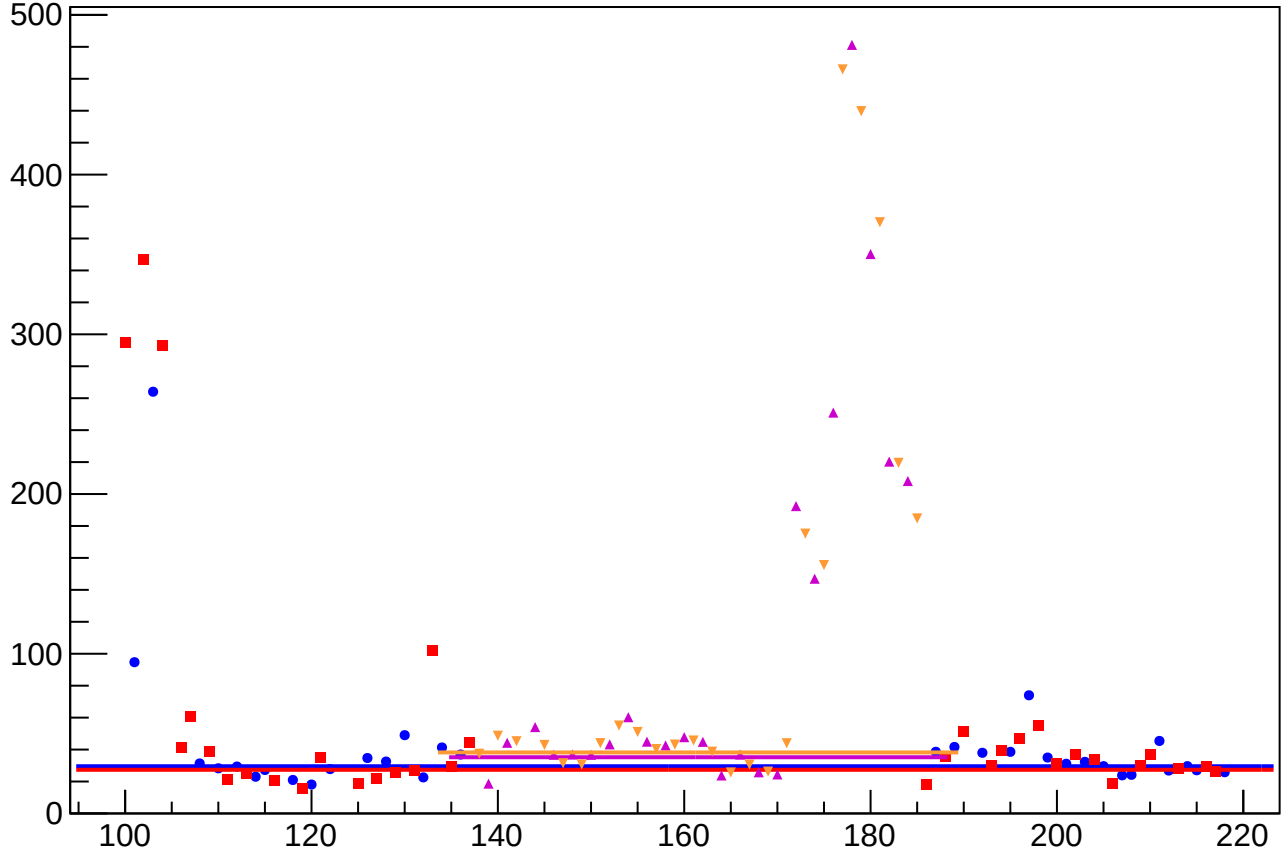
Right Out: -0.009+/-0.007 χ^2/NDF: 28.5/33

Left In: 0.010+/-0.010 χ^2/NDF:23.6/22

+ sign 0.006+/-0.006 χ^2/NDF: 65.1/55

All: 0.001+/-0.004 χ^2/NDF: 120.7/112

- sign -0.003+/-0.006 χ^2/NDF: 54.6/56



Right In: 29.557+/-0.005 χ^2/NDF: 3486956.6/31

Left Out: 38.210+/-0.008 χ^2/NDF:8285200.7/23

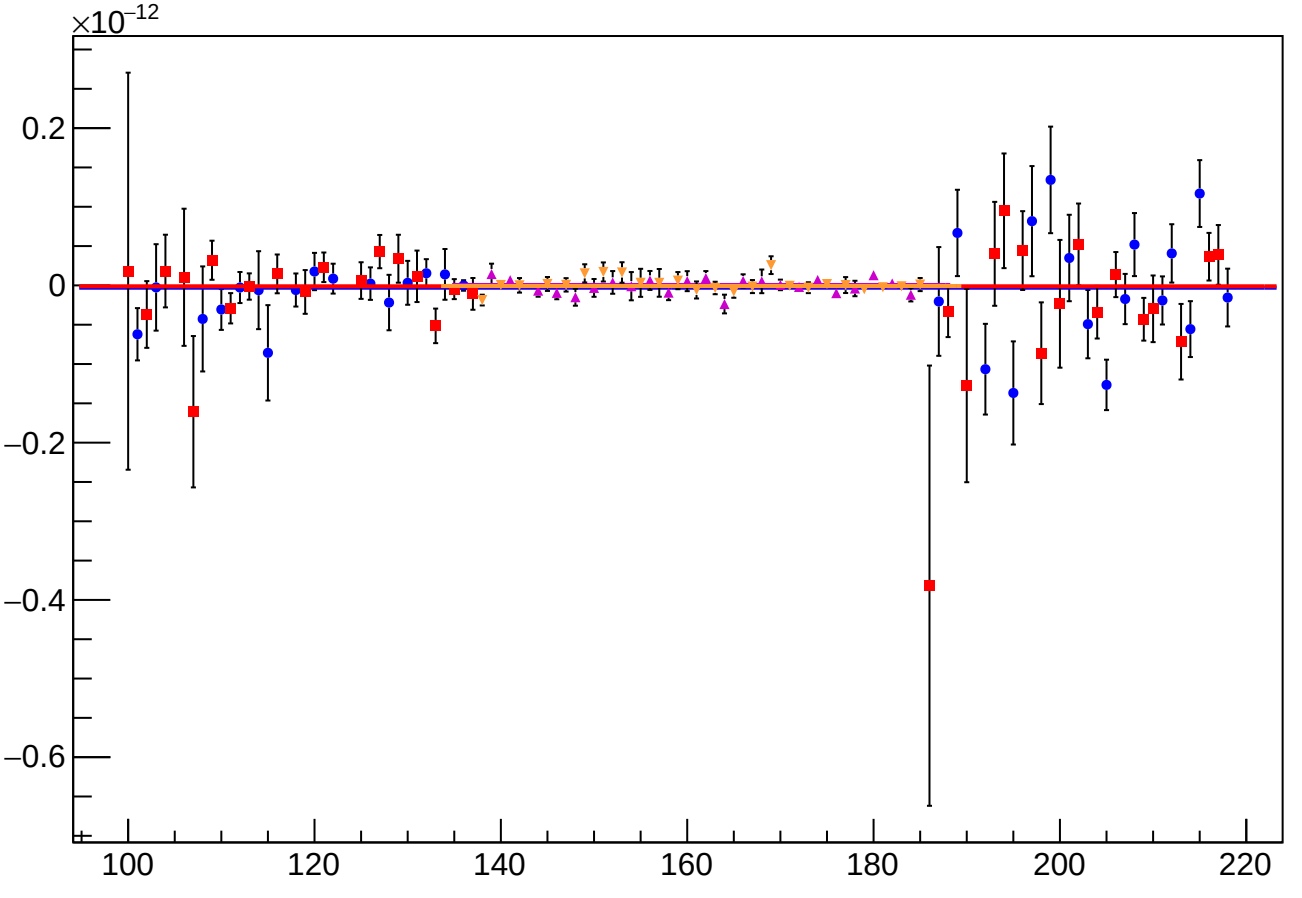
Right Out: 27.342+/-0.005 χ^2/NDF: 4830404.1/33

Left In: 35.195+/-0.007 χ^2/NDF:9391361.4/22

\+ sign 32.368+/-0.004 χ^2/NDF: 12637885.9/55

All: 31.081+/-0.003 χ^2/NDF: 27813971.0/112

\- sign 29.912+/-0.004 χ^2/NDF: 15009522.2/56



Right In: -0.000+/-0.000 χ^2/NDF: 54.6/31

Left Out: -0.000+/-0.000 χ^2/NDF:21.1/23

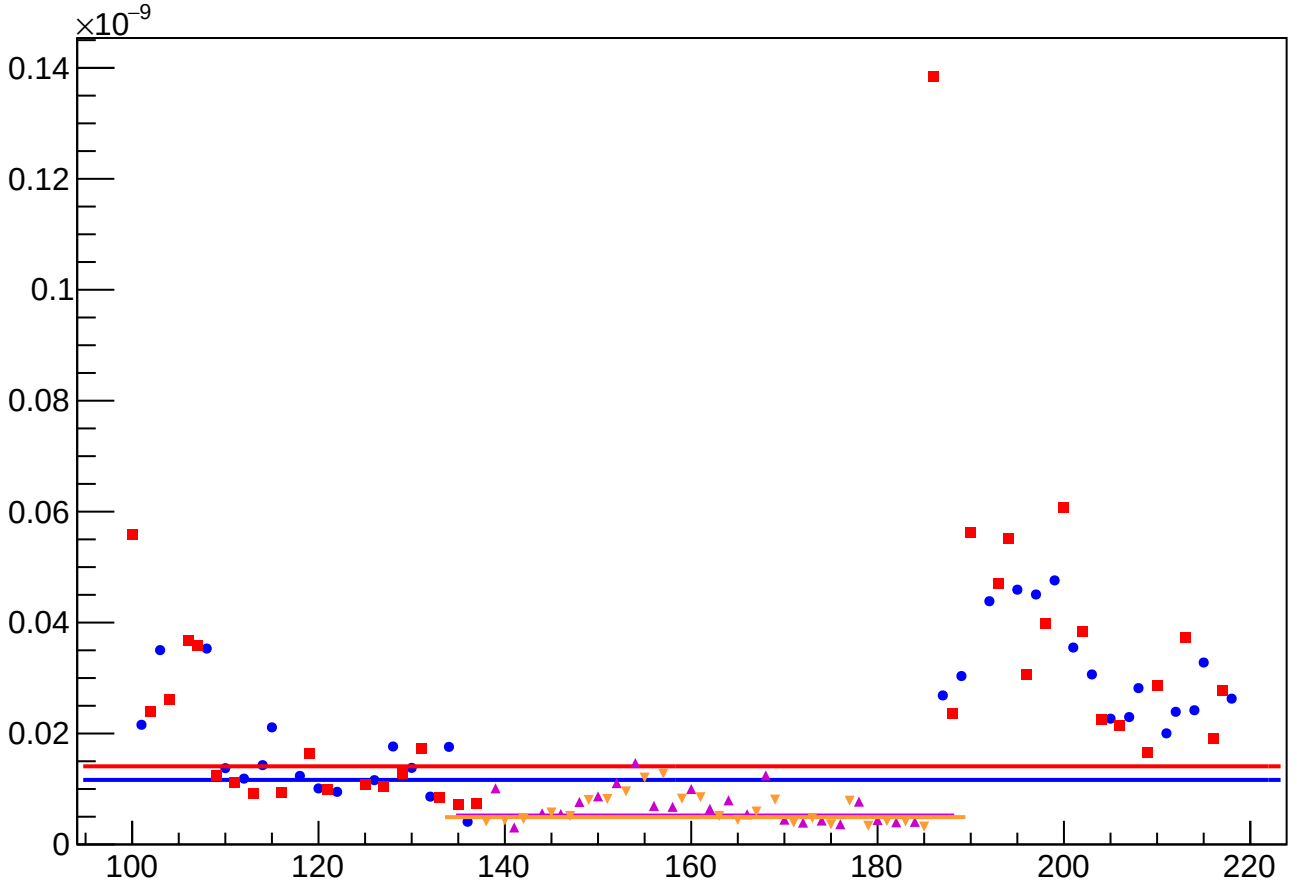
Right Out: -0.000+/-0.000 χ^2/NDF: 39.6/33

Left In: 0.000+/-0.000 χ^2/NDF:26.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 76.0/55

All: -0.000+/-0.000 χ^2/NDF: 142.4/112

- sign 0.000+/-0.000 χ^2/NDF: 66.0/56



Right In: 0.000+/-0.000 χ^2/NDF: 9173634.8/31

Left Out: 0.000+/-0.000 χ^2/NDF:2632036.7/23

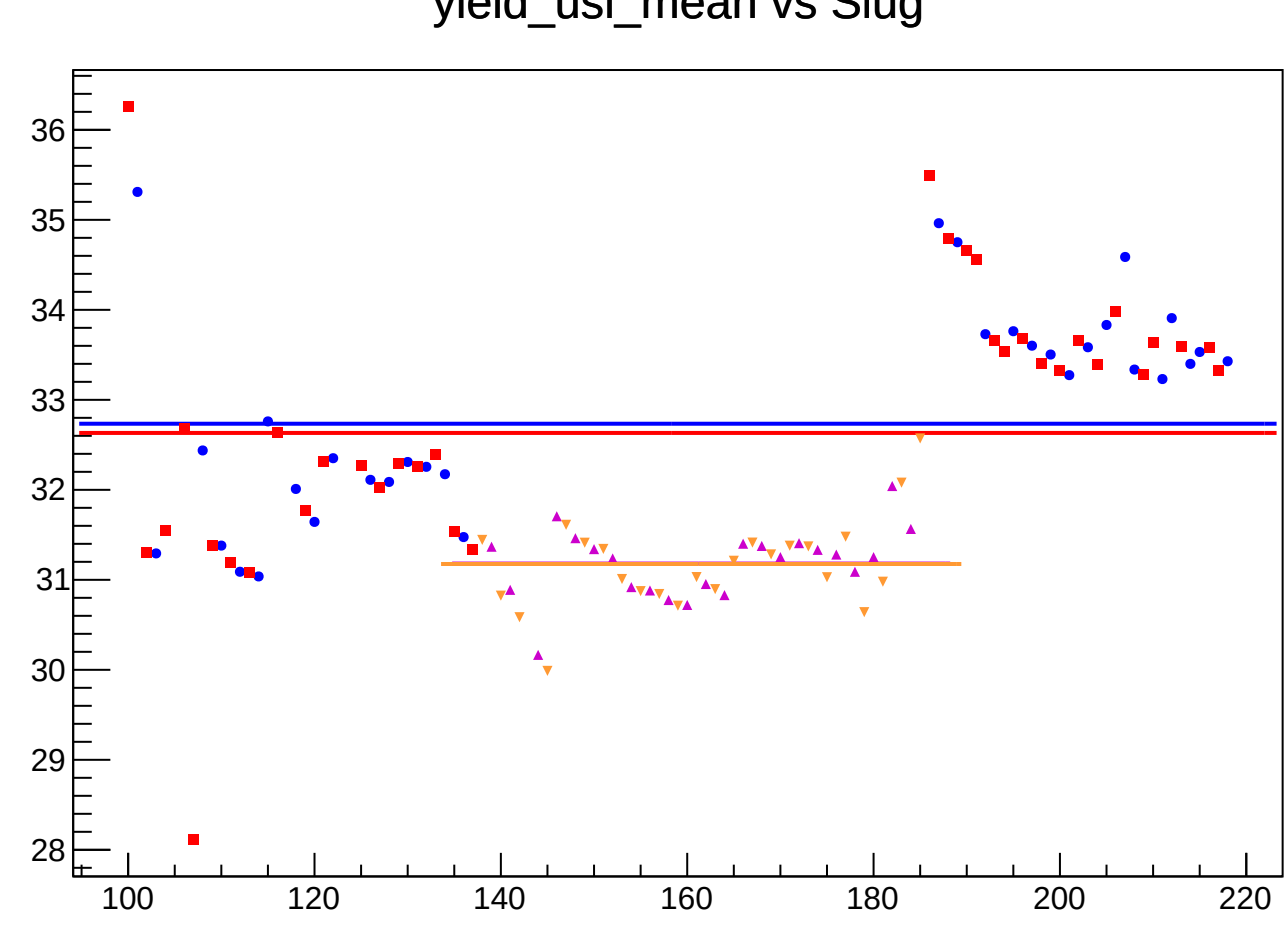
Right Out: 0.000+/-0.000 χ^2/NDF: 6857407.5/33

Left In: 0.000+/-0.000 χ^2/NDF:3449719.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 15995612.3/55

All: 0.000+/-0.000 χ^2/NDF: 32115643.9/112

- sign 0.000+/-0.000 χ^2/NDF: 16053728.4/56



Right In: 32.735+/-0.000 χ^2/NDF: 2563165947.4/31

Left Out: 31.176+/-0.000 χ^2/NDF:529824418.6/23

Right Out: 32.632+/-0.000 χ^2/NDF: 2389923643.0/34

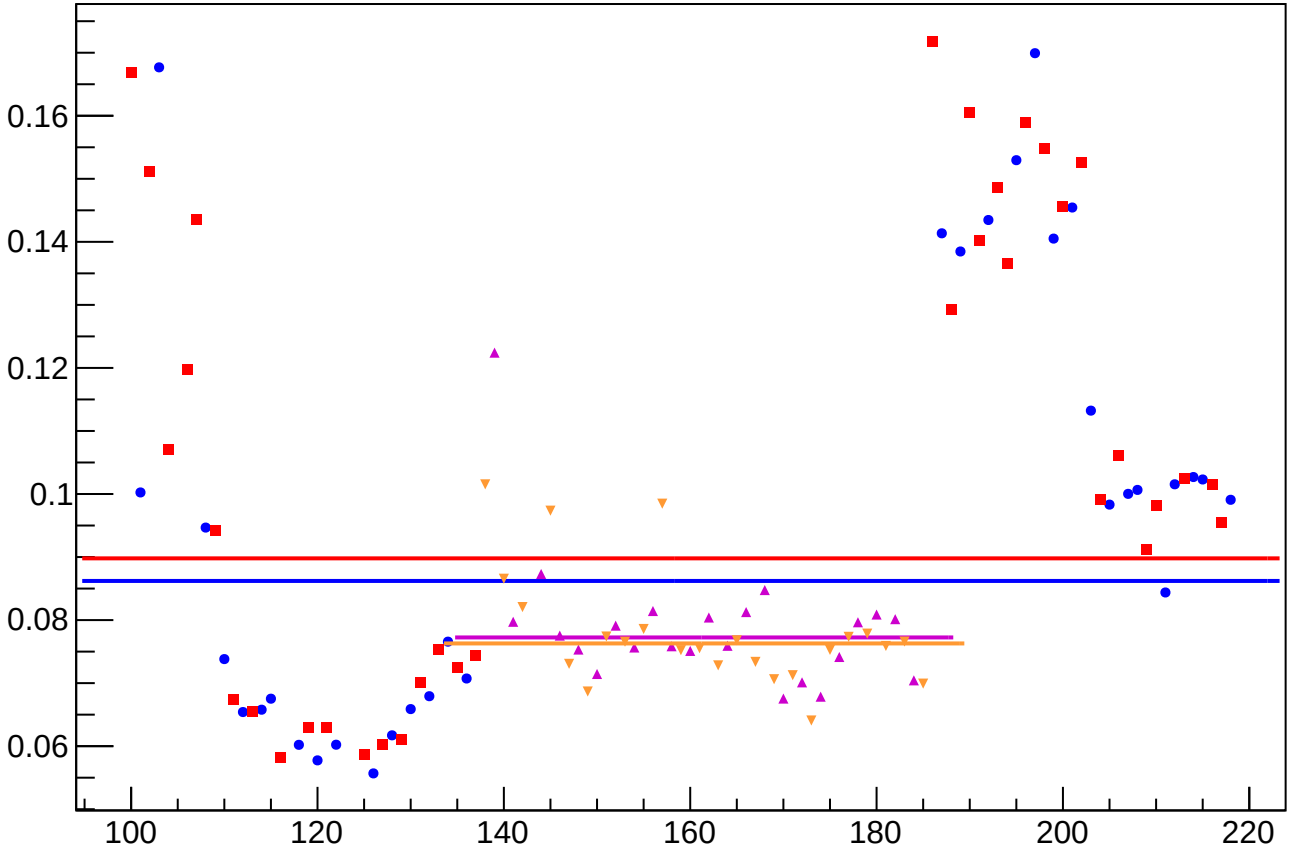
Left In: 31.181+/-0.000 χ^2/NDF:376263410.1/22

+ sign 31.872+/-0.000 χ^2/NDF: 6216627674.1/55

All: 31.845+/-0.000 χ^2/NDF: 11546308291.0

- sign 31.816+/-0.000 χ^2/NDF: 5321835693.7/57

yield_usl_rms vs Slug



Right In: 0.086+/-0.000 χ^2/NDF: 3625857.7/31

Left Out: 0.076+/-0.000 χ^2/NDF:356697.3/23

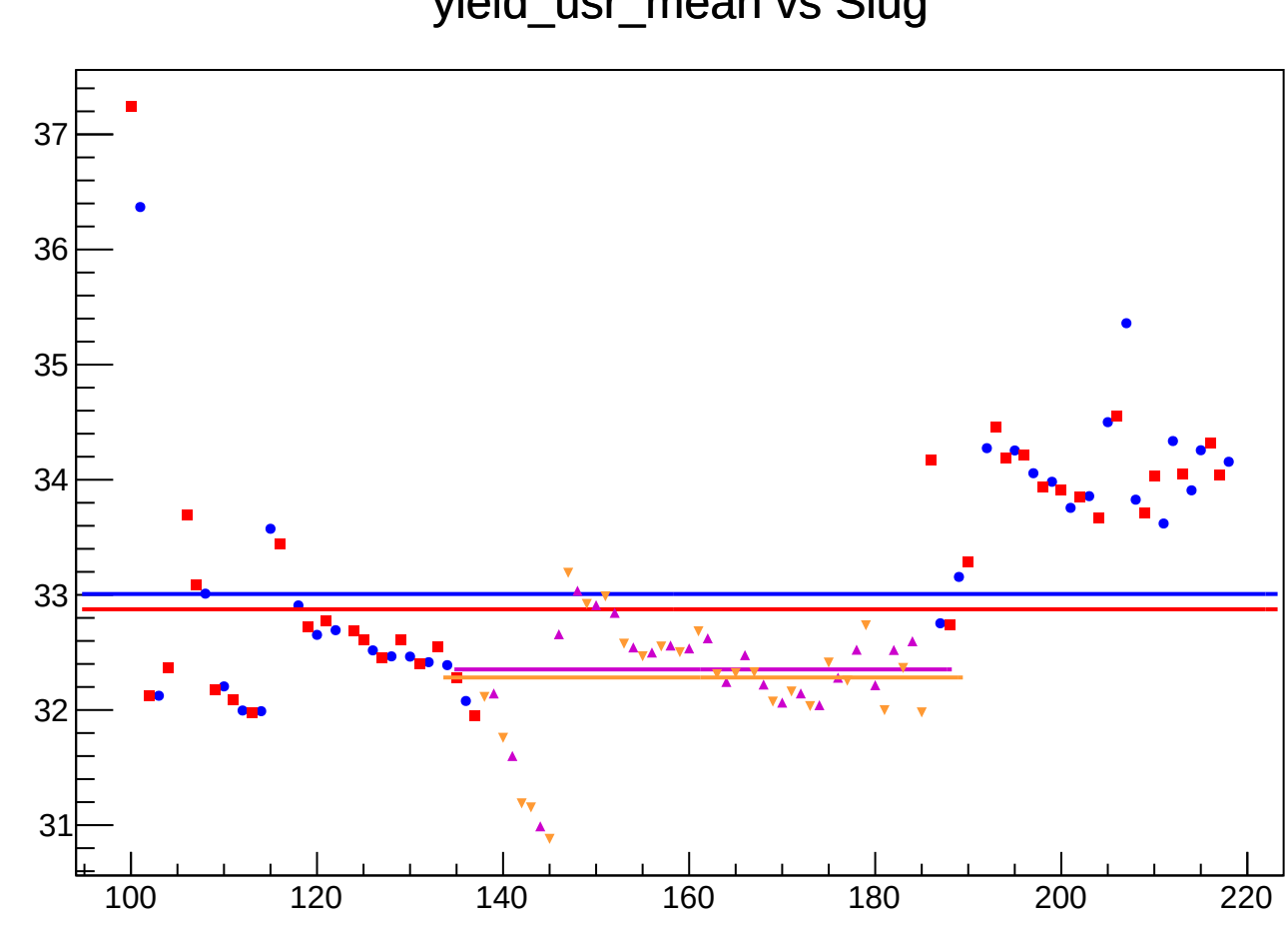
Right Out: 0.090+/-0.000 χ^2/NDF: 4015576.6/34

Left In: 0.077+/-0.000 χ^2/NDF:365206.5/22

+ sign 0.081+/-0.000 χ^2/NDF: 4235309.9/55

All: 0.082+/-0.000 χ^2/NDF: 9018646.7/113

- sign 0.083+/-0.000 χ^2/NDF: 4762750.9/57



Right In: 33.008+/-0.000 χ^2/NDF: 1289002500.8/31

Left Out: 32.282+/-0.000 χ^2/NDF:838959313.2/24

Right Out: 32.875+/-0.000 χ^2/NDF: 697303544.6/34

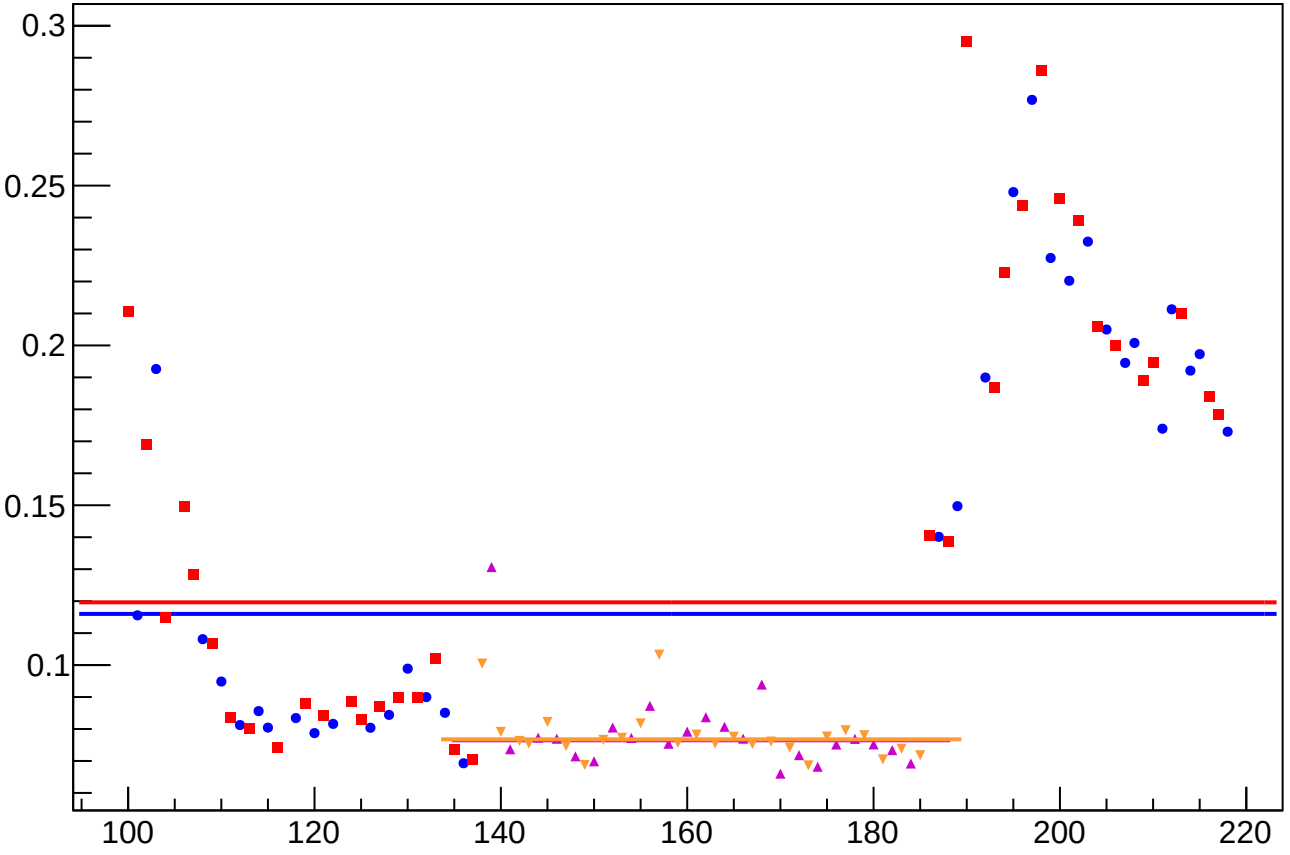
Left In: 32.353+/-0.000 χ^2/NDF:589893462.0/22

+ sign 32.484+/-0.000 χ^2/NDF: 2565589266.4/56

All: 32.490+/-0.000 χ^2/NDF: 4071378597.9/1

- sign 32.498+/-0.000 χ^2/NDF: 1505382435.2/57

yield_usr_rms vs Slug



Right In: 0.116+/-0.000 χ^2/NDF: 6735879.2/31

Left Out: 0.077+/-0.000 χ^2/NDF:250795.7/24

Right Out: 0.120+/-0.000 χ^2/NDF: 6416272.3/34

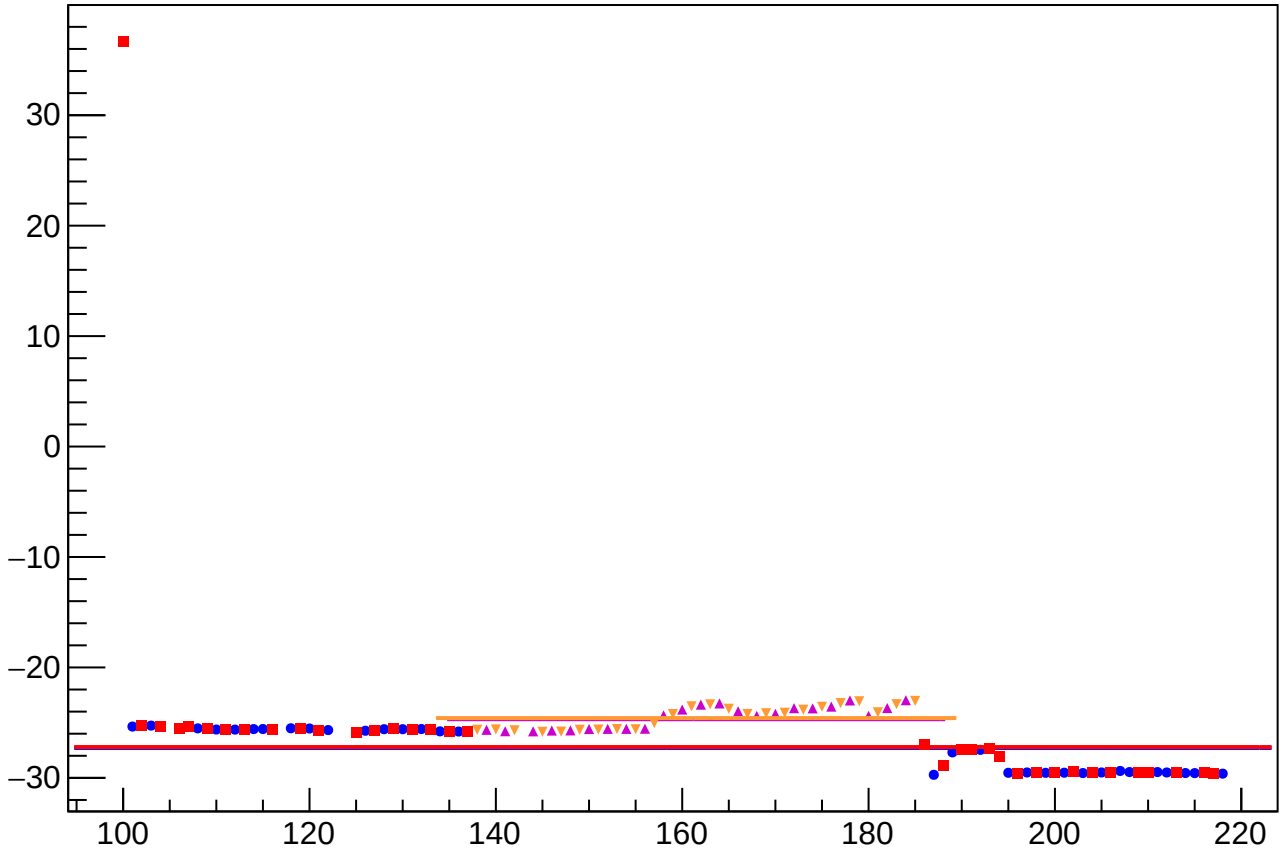
Left In: 0.076+/-0.000 χ^2/NDF:482593.3/22

+ sign 0.088+/-0.000 χ^2/NDF: 9548909.8/56

All: 0.088+/-0.000 χ^2/NDF: 19430575.7/114

- sign 0.088+/-0.000 χ^2/NDF: 9878977.3/57

yield_dsl_mean vs Slug



Right In: -27.289+/-0.000 χ^2/NDF: 27552873344.3/31

Left Out: -24.587+/-0.000 χ^2/NDF:9182387434.6/23

Right Out: -27.209+/-0.000 χ^2/NDF: 35344796002.0/34

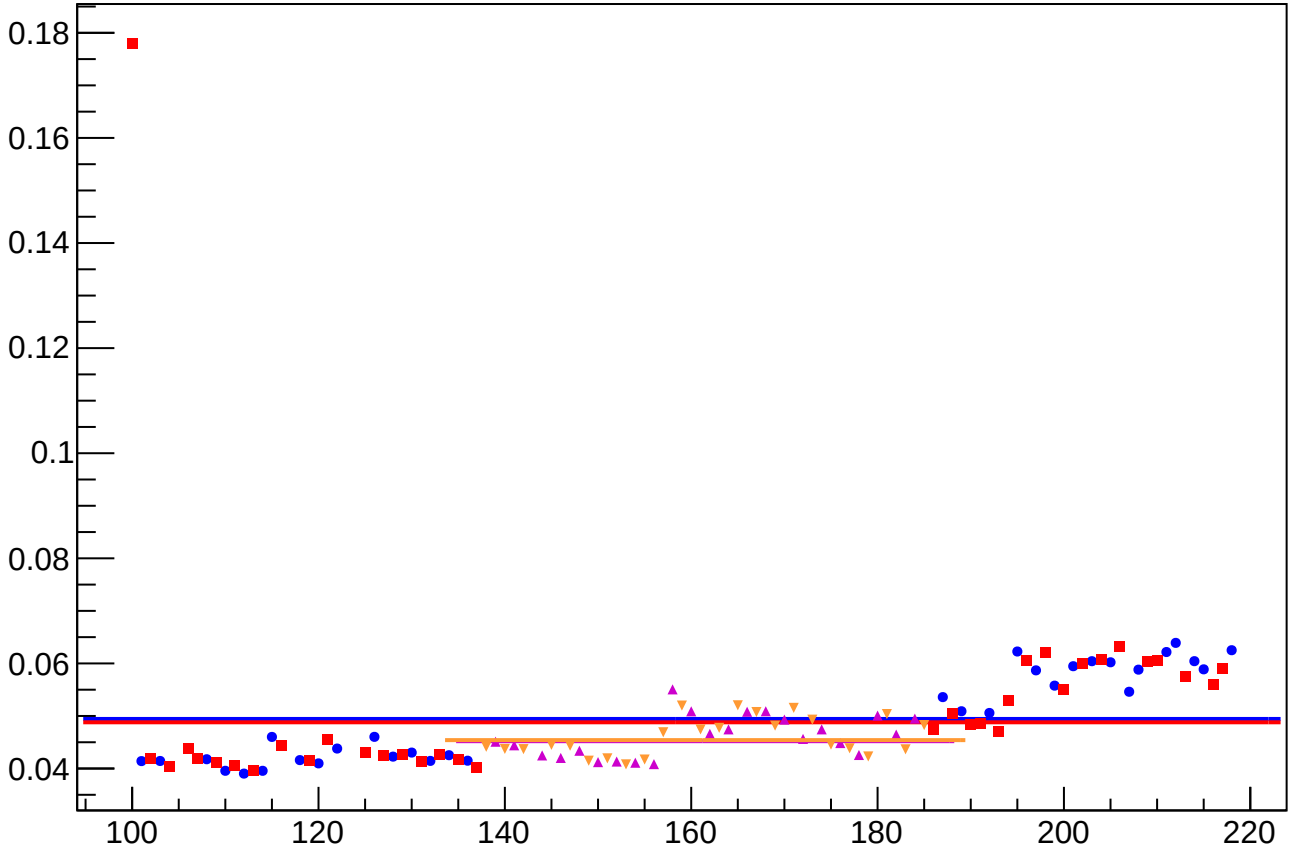
Left In: -24.689+/-0.000 χ^2/NDF:8820957974.3/22

+ sign -25.859+/-0.000 χ^2/NDF: 66723388588.9/55

All: -25.883+/-0.000 χ^2/NDF: 137641208689

- sign -25.906+/-0.000 χ^2/NDF: 70899291365.9/57

yield_dsl_rms vs Slug



Right In: 0.049+/-0.000 χ^2/NDF: 1172030.5/31

Left Out: 0.045+/-0.000 χ^2/NDF:205535.7/23

Right Out: 0.049+/-0.000 χ^2/NDF: 1115197.9/34

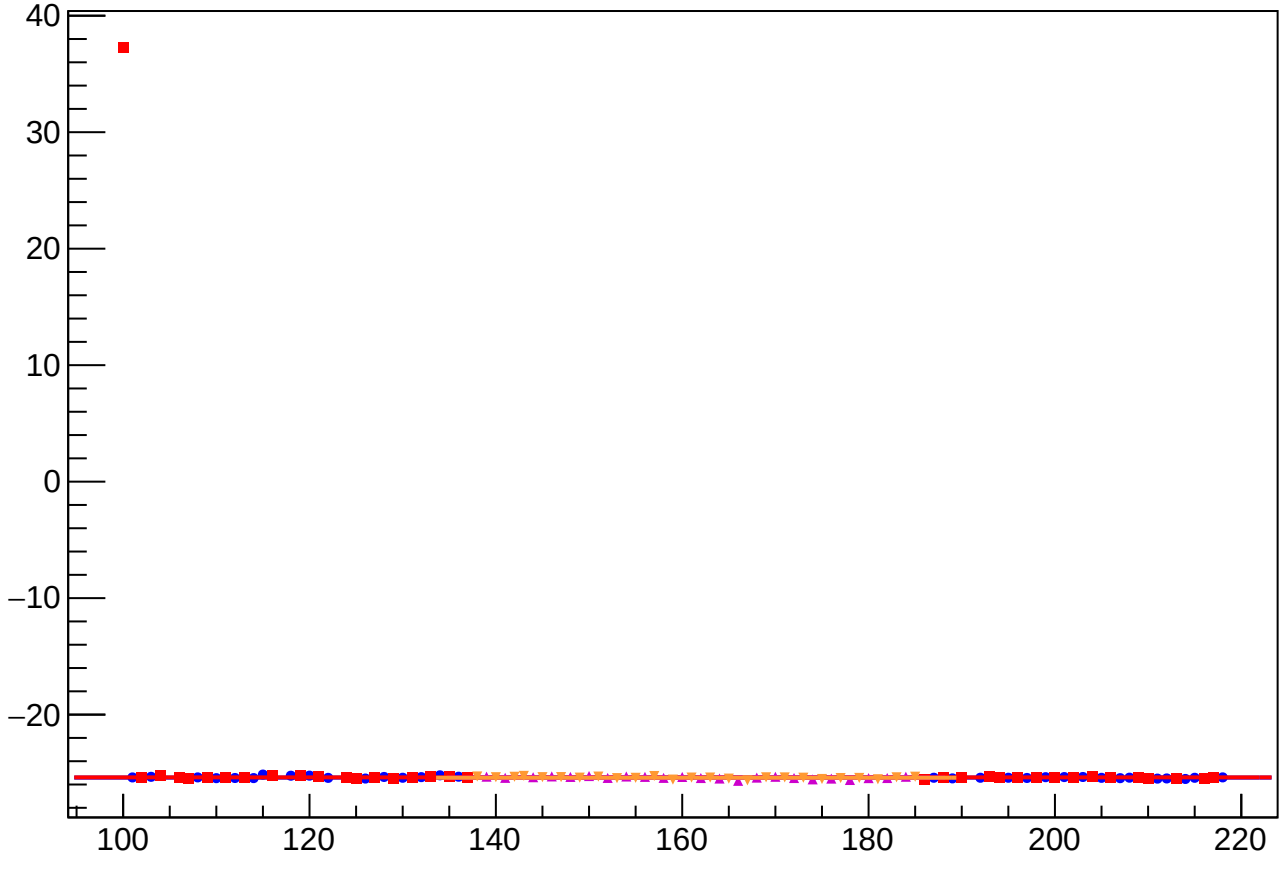
Left In: 0.045+/-0.000 χ^2/NDF:244675.5/22

+ sign 0.047+/-0.000 χ^2/NDF: 1510968.0/55

All: 0.047+/-0.000 χ^2/NDF: 2981669.8/113

- sign 0.047+/-0.000 χ^2/NDF: 1468515.5/57

yield_dsr_mean vs Slug



Right In: -25.408+/-0.000 χ^2/NDF: 32001946.2/31

Left Out: -25.417+/-0.000 χ^2/NDF:52213098.9/24

Right Out: -25.388+/-0.000 χ^2/NDF: 6347034262.3/34

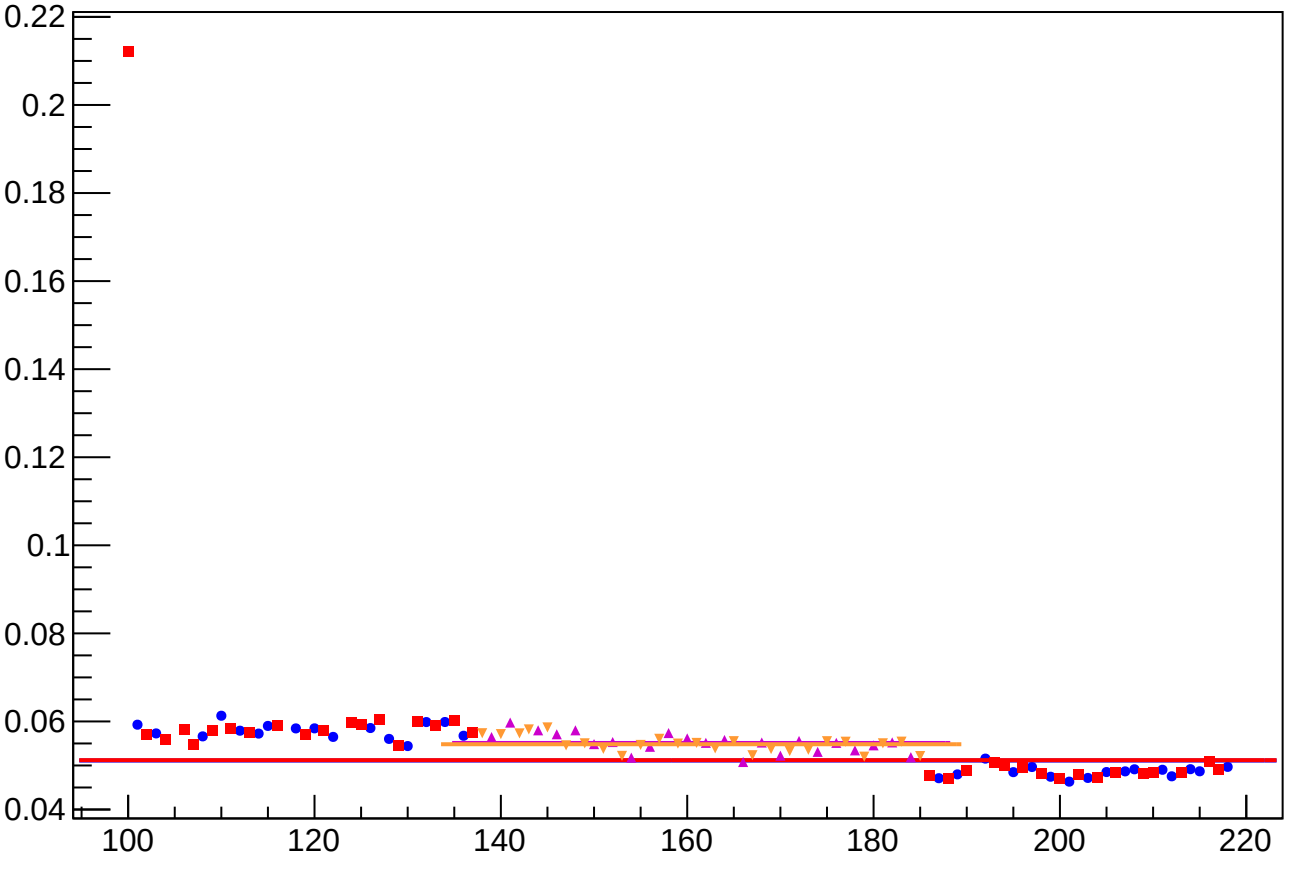
Left In: -25.414+/-0.000 χ^2/NDF:55851916.1/22

\+ sign -25.412+/-0.000 χ^2/NDF: 84489692.6/56

All: -25.406+/-0.000 χ^2/NDF: 6490731421.0/

\- sign -25.399+/-0.000 χ^2/NDF: 6405173234.5/57

yield_dsr_rms vs Slug



Right In: 0.051+/-0.000 χ^2/NDF: 280150.5/31

Left Out: 0.055+/-0.000 χ^2/NDF:38095.1/24

Right Out: 0.051+/-0.000 χ^2/NDF: 379574.6/34

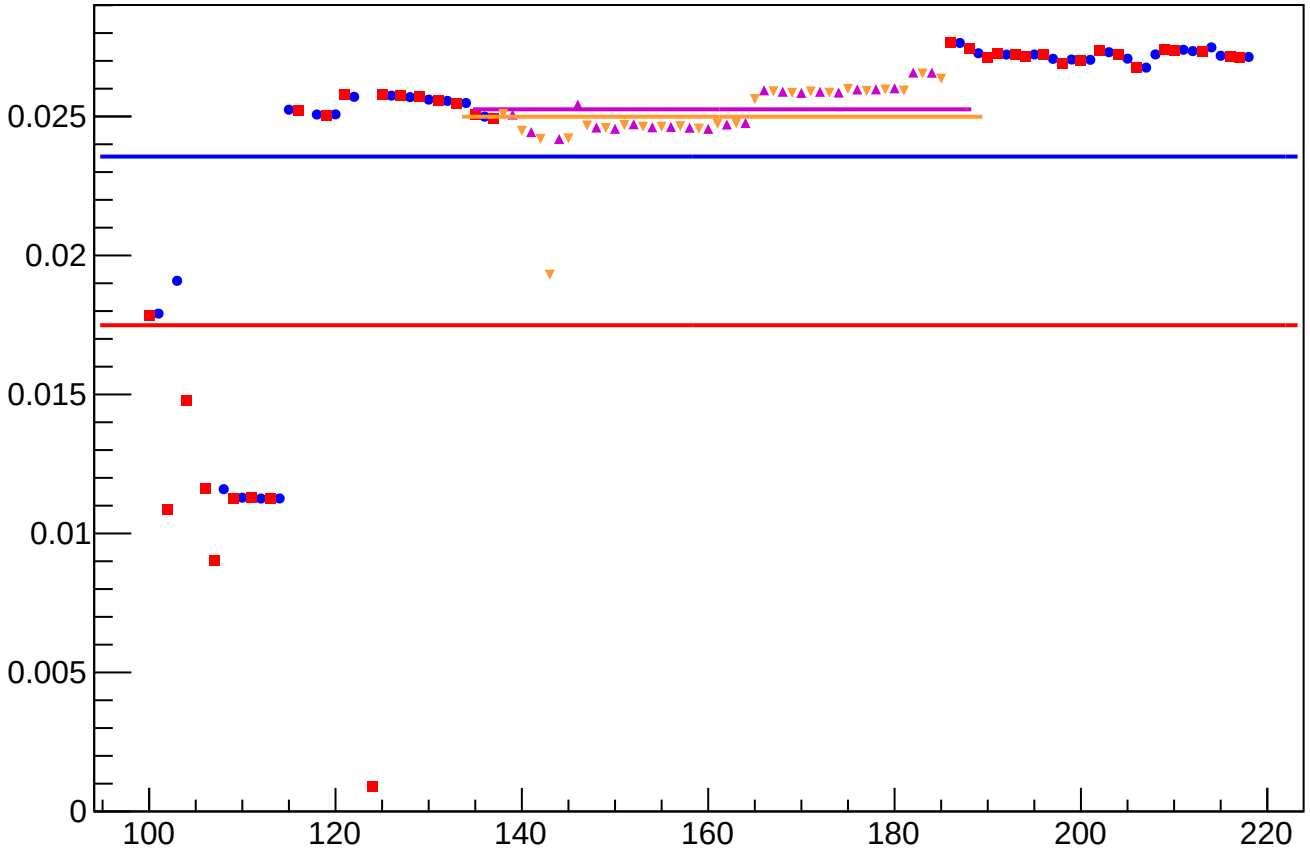
Left In: 0.055+/-0.000 χ^2/NDF:51531.3/22

+ sign 0.053+/-0.000 χ^2/NDF: 411234.8/56

All: 0.053+/-0.000 χ^2/NDF: 942545.1/114

- sign 0.053+/-0.000 χ^2/NDF: 531144.7/57

yield_atl1_mean vs Slug



Right In: 0.024+/-0.000 χ^2/NDF: 103568466871.5/31

Left Out: 0.025+/-0.000 χ^2/NDF:7880064969.5/24

Right Out: 0.017+/-0.000 χ^2/NDF: 494744796382.8/35

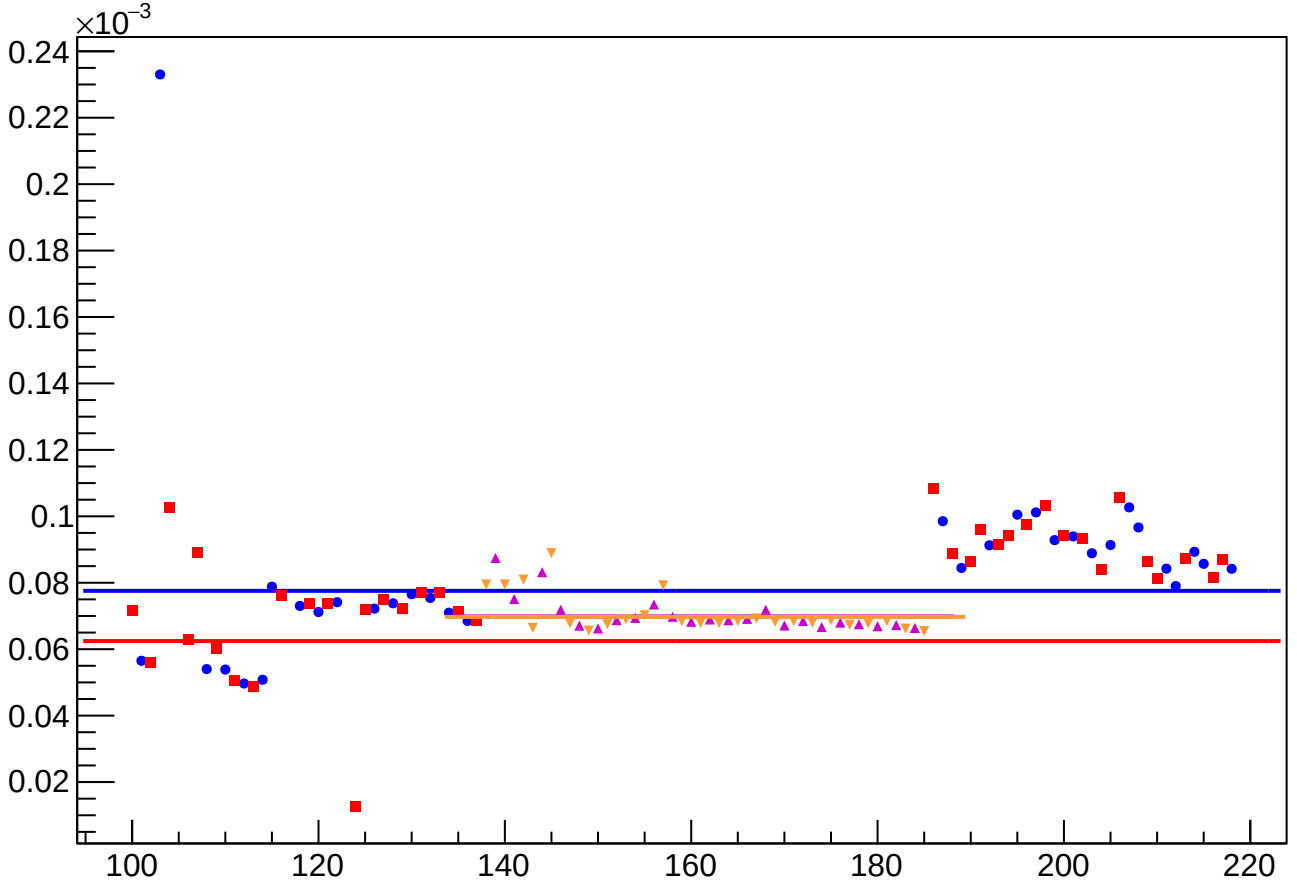
Left In: 0.025+/-0.000 χ^2/NDF:1884783780.3/22

+ sign 0.024+/-0.000 χ^2/NDF: 115000564085.5/56

All: 0.023+/-0.000 χ^2/NDF: 765827160433.1

- sign 0.021+/-0.000 χ^2/NDF: 613471820885.7/58

yield_atl1_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1959998.3/31

Left Out: 0.000+/-0.000 χ^2/NDF:188211.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7982123.2/35

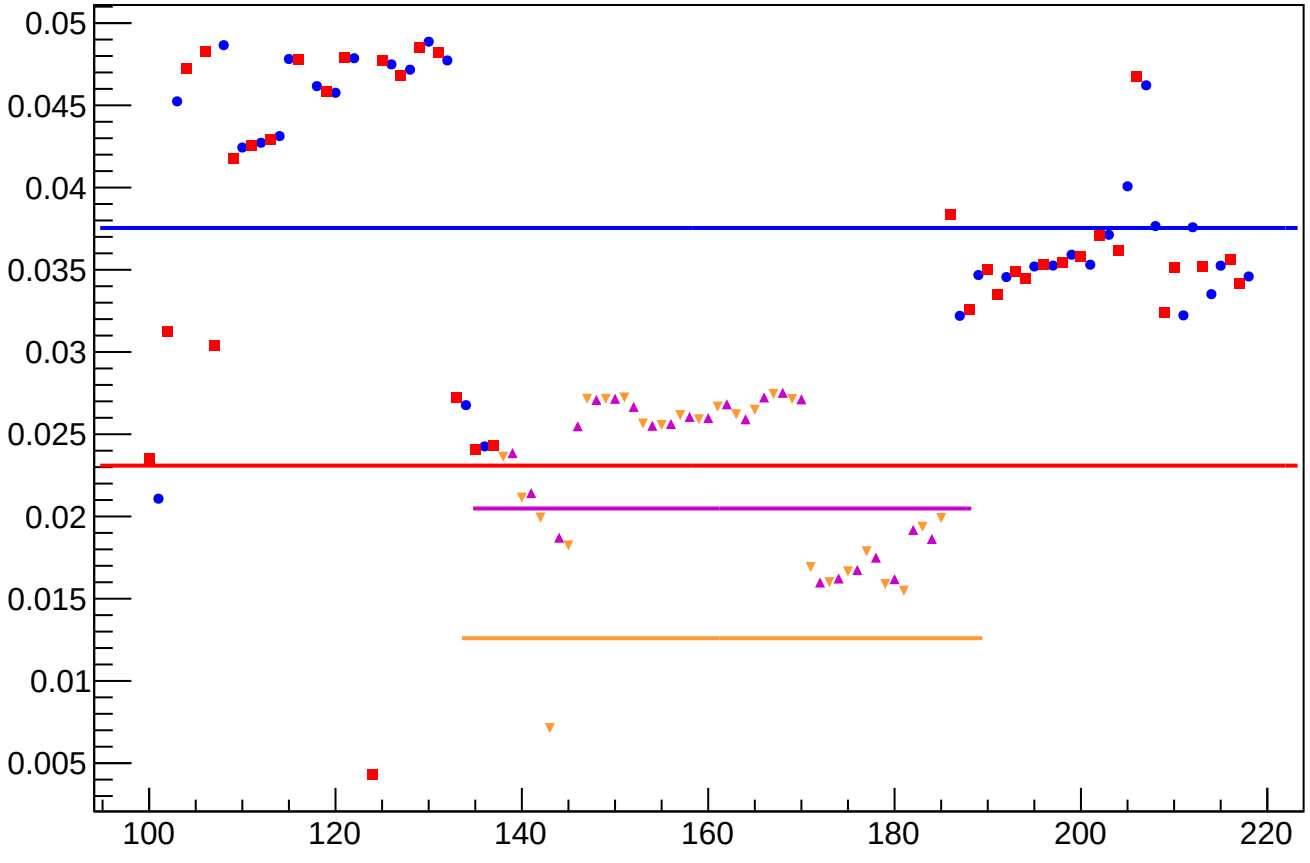
Left In: 0.000+/-0.000 χ^2/NDF:152421.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 2360491.2/56

All: 0.000+/-0.000 χ^2/NDF: 11094610.7/115

- sign 0.000+/-0.000 χ^2/NDF: 8347994.9/58

yield_atl2_mean vs Slug



Right In: 0.038+/-0.000 χ^2/NDF: 7474180379.0/31

Left Out: 0.013+/-0.000 χ^2/NDF:37338500367.6/24

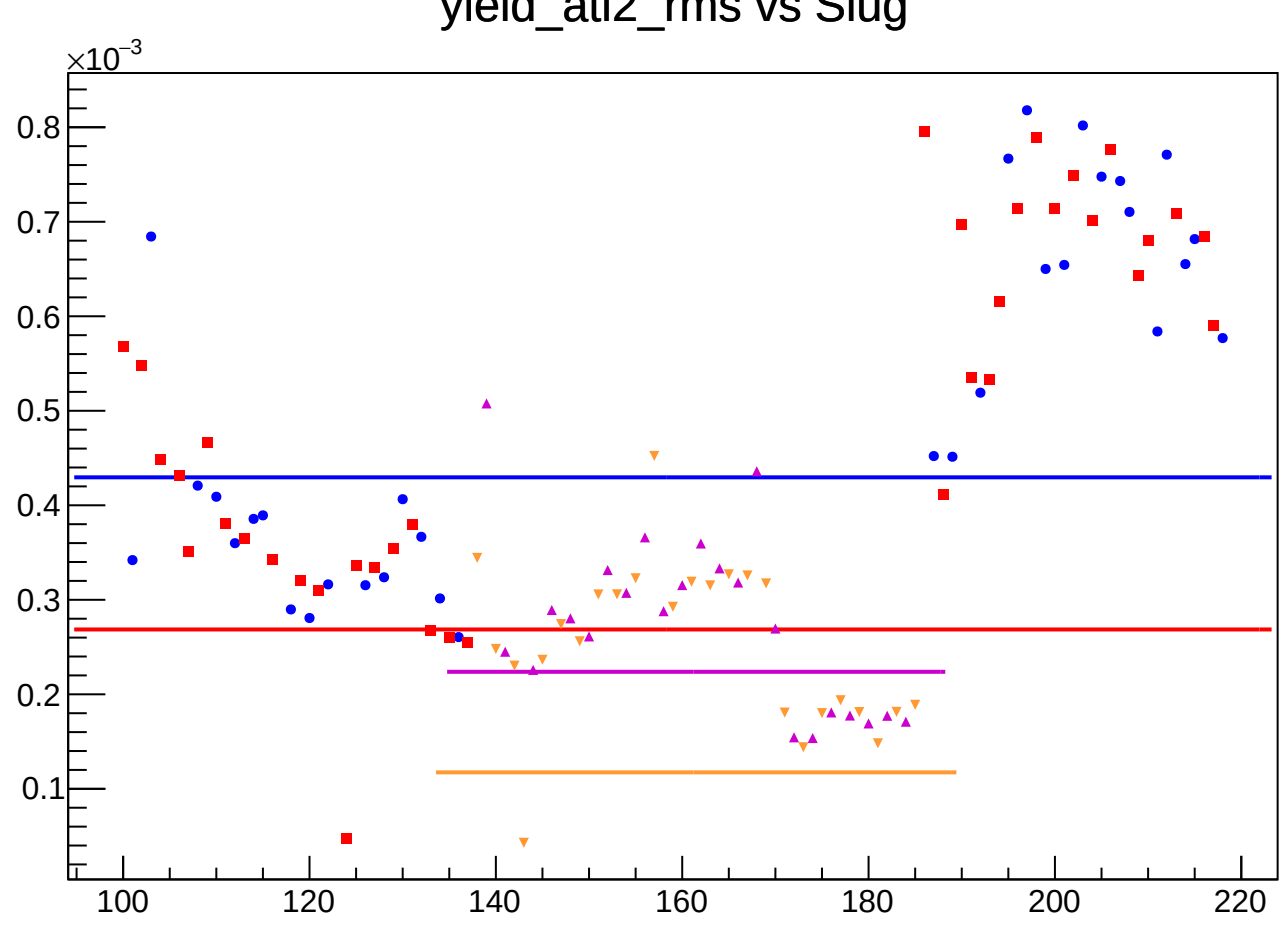
Right Out: 0.023+/-0.000 χ^2/NDF: 48120501246.1/35

Left In: 0.020+/-0.000 χ^2/NDF:6099907424.9/22

+ sign 0.015+/-0.000 χ^2/NDF: 93880661752.5/56

All: 0.017+/-0.000 χ^2/NDF: 159957922937.6

- sign 0.021+/-0.000 χ^2/NDF: 54909704779.0/58



Right In: 0.000+/-0.000 χ^2/NDF: 5093411.6/31

Left Out: 0.000+/-0.000 χ^2/NDF:14390785.9/24

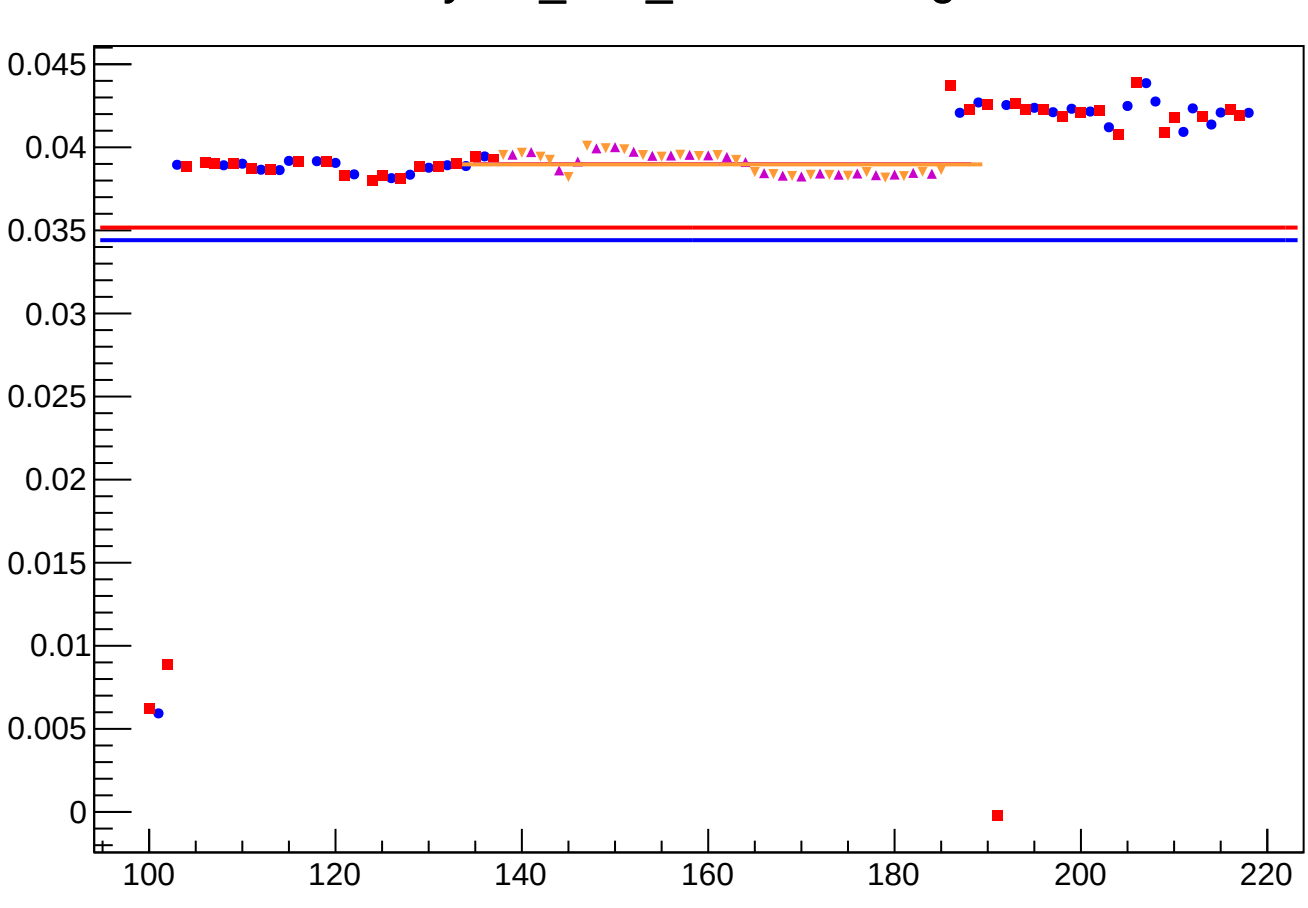
Right Out: 0.000+/-0.000 χ^2/NDF: 16295878.2/35

Left In: 0.000+/-0.000 χ^2/NDF:3388230.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 34851554.7/56

All: 0.000+/-0.000 χ^2/NDF: 59593916.4/115

- sign 0.000+/-0.000 χ^2/NDF: 20091022.8/58



Right In: 0.034+/-0.000 χ^2/NDF: 136237692086.5/31

Left Out: 0.039+/-0.000 χ^2/NDF:477670162.8/24

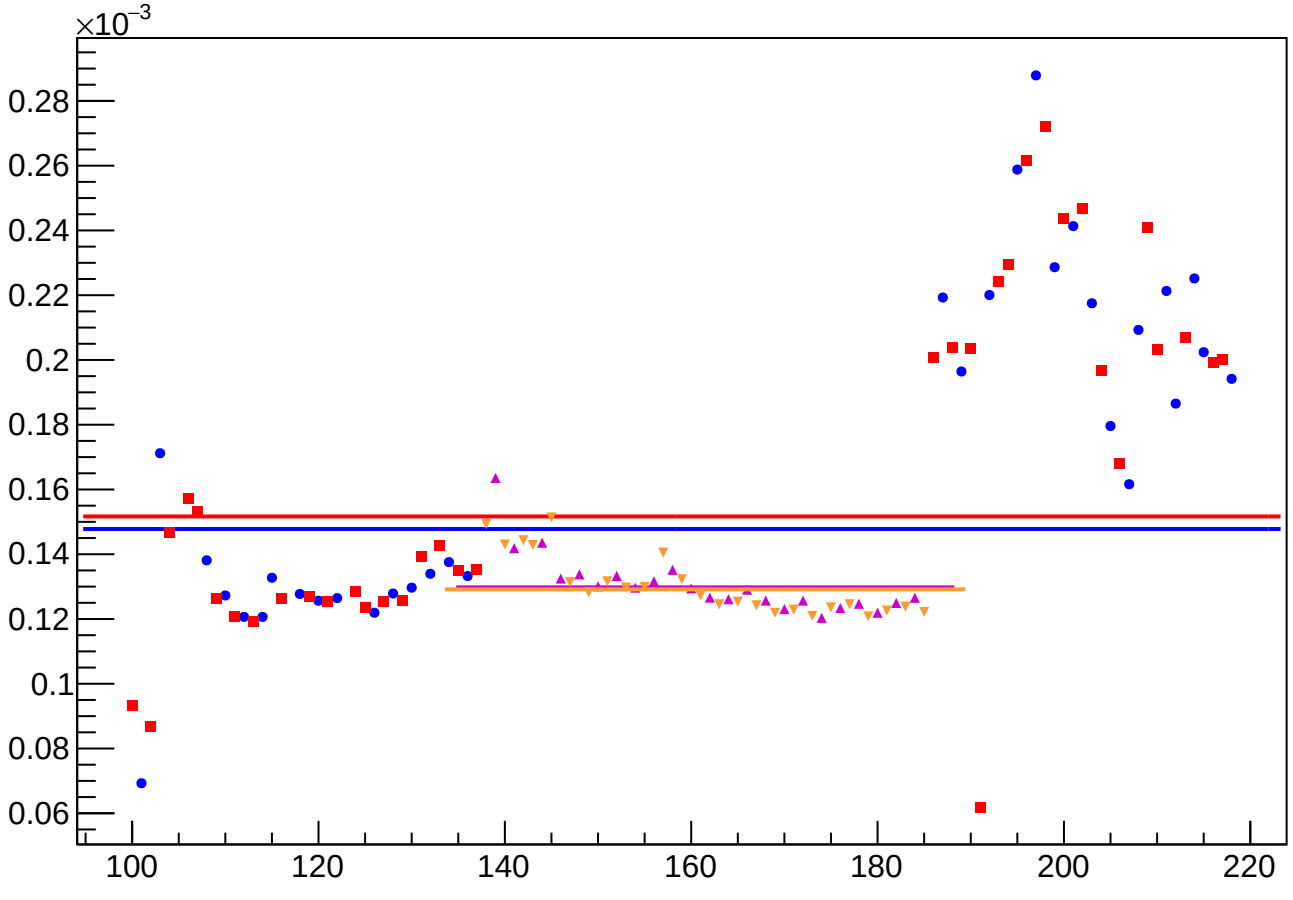
Right Out: 0.035+/-0.000 χ^2/NDF: 123536938764.7/35

Left In: 0.039+/-0.000 χ^2/NDF:408808029.6/22

+ sign 0.037+/-0.000 χ^2/NDF: 146407585991.3/56

All: 0.037+/-0.000 χ^2/NDF: 276960585450.0

- sign 0.037+/-0.000 χ^2/NDF: 130472047218.8/58



Right In: 0.000+/-0.000 χ^2/NDF: 4463532.2/31

Left Out: 0.000+/-0.000 χ^2/NDF:157557.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4118547.3/35

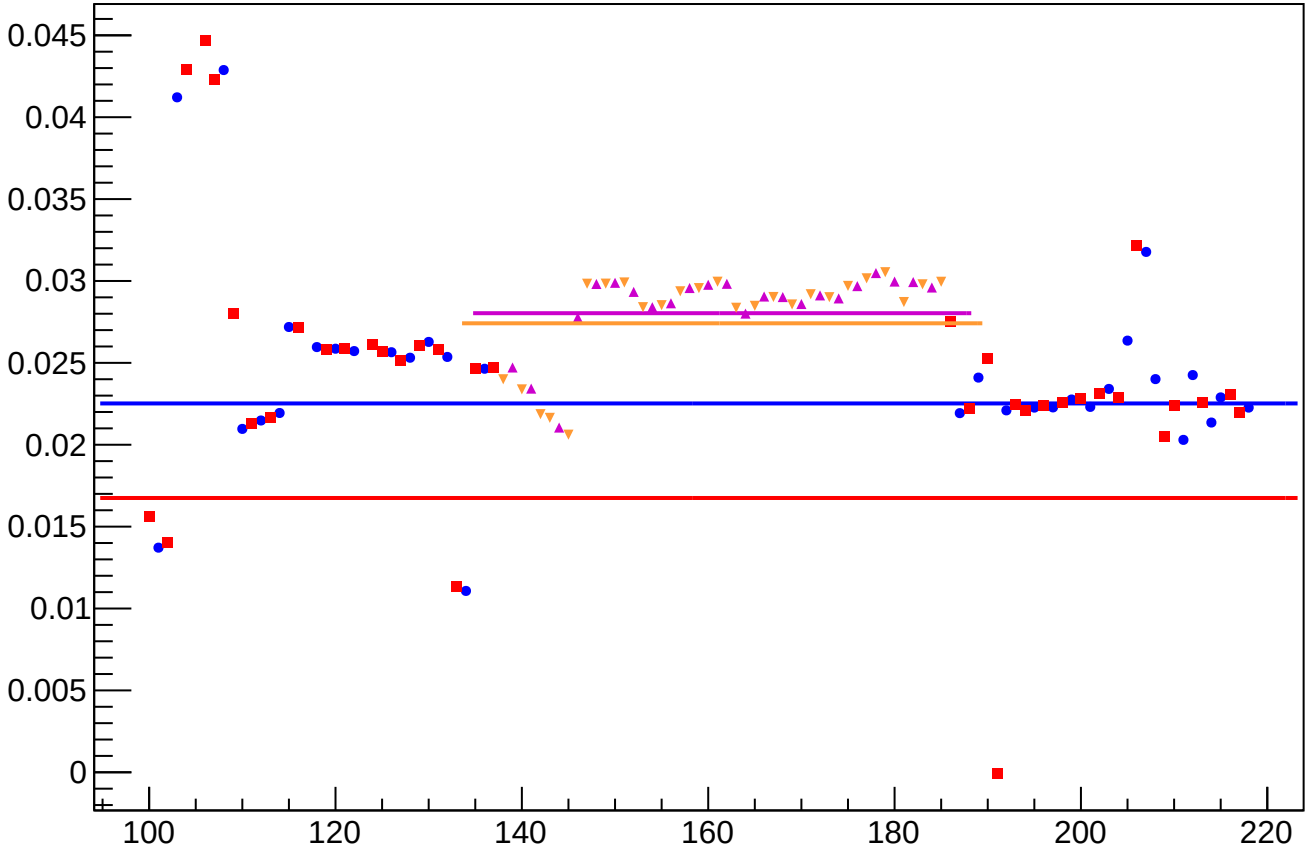
Left In: 0.000+/-0.000 χ^2/NDF:141831.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 4944712.1/56

All: 0.000+/-0.000 χ^2/NDF: 9641049.7/115

- sign 0.000+/-0.000 χ^2/NDF: 4687675.7/58

yield_atr2_mean vs Slug



Right In: 0.023+/-0.000 χ^2/NDF: 5211205536.7/31

Left Out: 0.027+/-0.000 χ^2/NDF:2240091851.9/24

Right Out: 0.017+/-0.000 χ^2/NDF: 25970027257.6/35

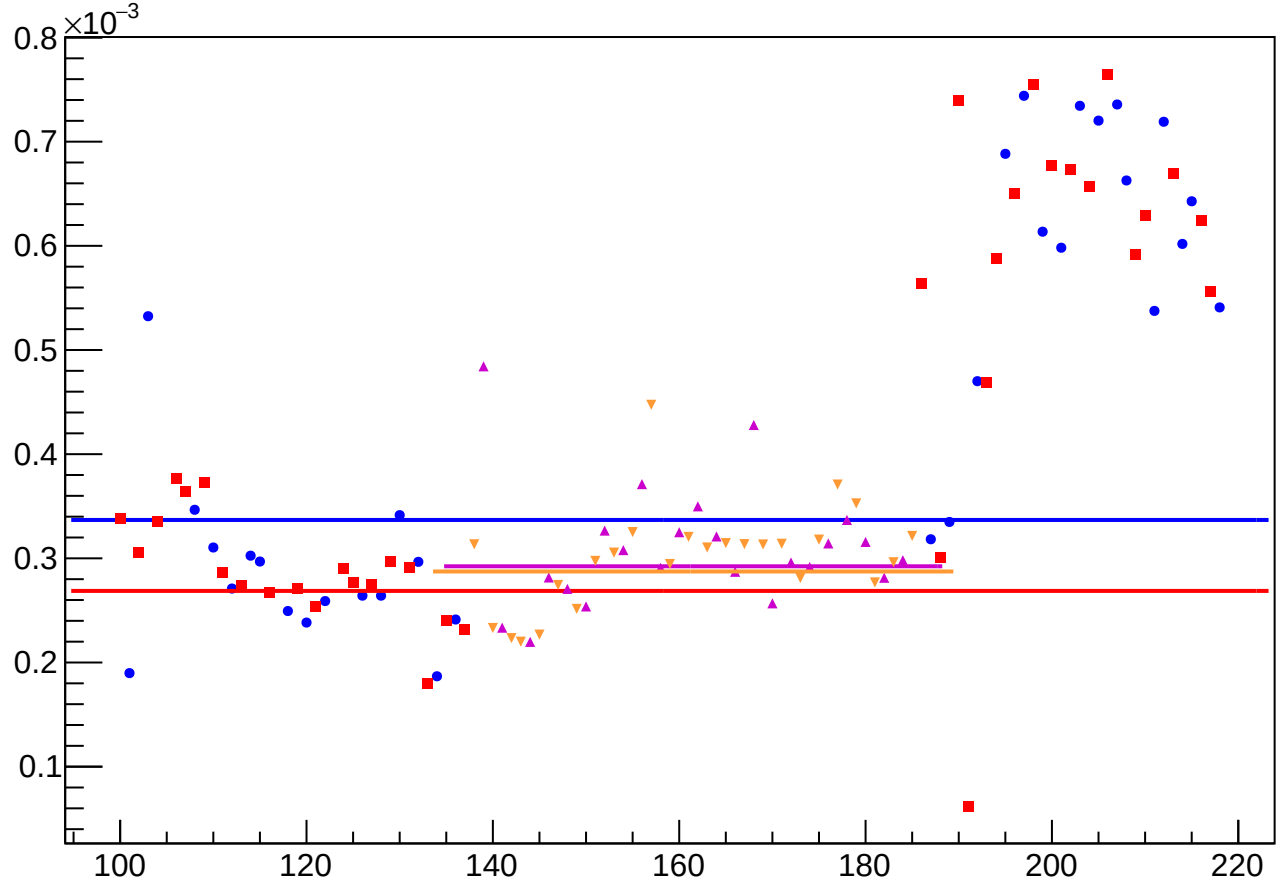
Left In: 0.028+/-0.000 χ^2/NDF:1490587051.3/22

+ sign 0.026+/-0.000 χ^2/NDF: 9394748562.5/56

All: 0.024+/-0.000 χ^2/NDF: 50122849016.9/1

- sign 0.023+/-0.000 χ^2/NDF: 39248373416.0/58

yield_atr2_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 7232739.8/31

Left Out: 0.000+/-0.000 χ^2/NDF:821515.6/24

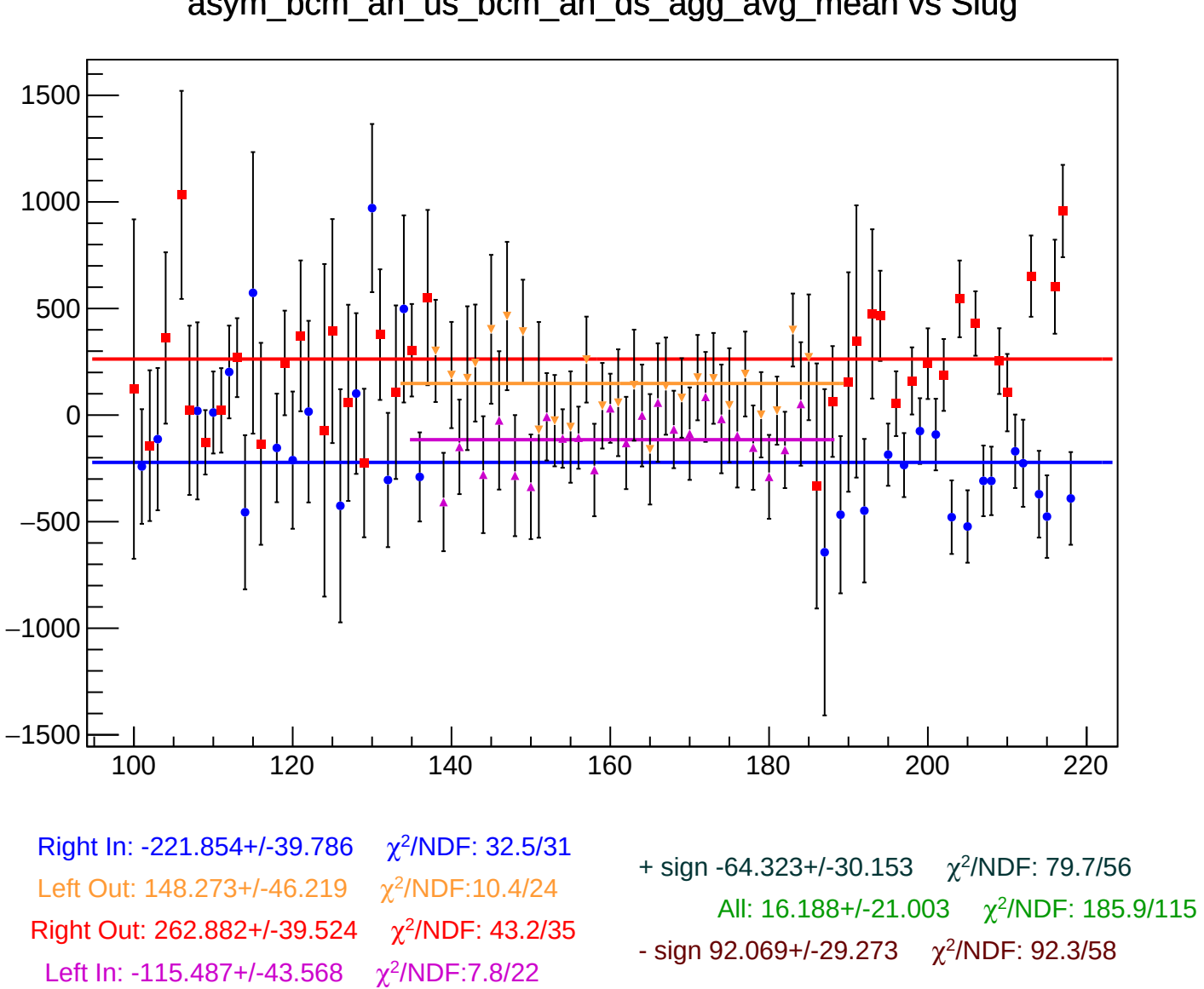
Right Out: 0.000+/-0.000 χ^2/NDF: 12376591.2/35

Left In: 0.000+/-0.000 χ^2/NDF:970483.1/22

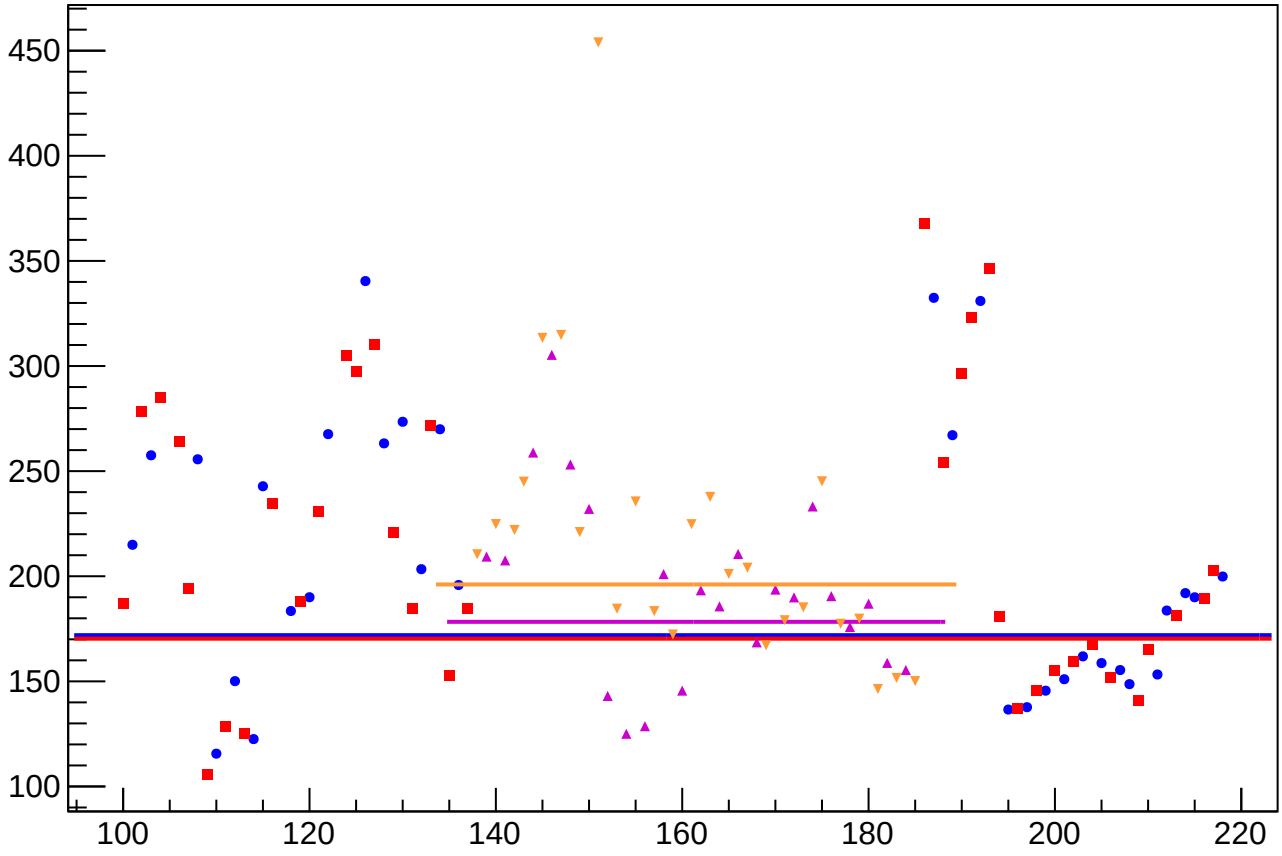
+ sign 0.000+/-0.000 χ^2/NDF: 8451346.8/56

All: 0.000+/-0.000 χ^2/NDF: 22136894.1/115

- sign 0.000+/-0.000 χ^2/NDF: 13450597.1/58


asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs Slug
1500
1000
500
0
−500
−1000
−1500
100
120
140
160
180
200
220
Right In: -221.854+/-39.786 χ²/NDF: 32.5/31
Left Out: 148.273+/-46.219 χ²/NDF:10.4/24
Right Out: 262.882+/-39.524 χ²/NDF: 43.2/35
Left In: -115.487+/-43.568 χ²/NDF:7.8/22
+ sign -64.323+/-30.153 χ²/NDF: 79.7/56
All: 16.188+/-21.003 χ²/NDF: 185.9/115
- sign 92.069+/-29.273 χ²/NDF: 92.3/58

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 171.968+/-0.028 χ^2/NDF: 2371091.2/31

Left Out: 196.087+/-0.033 χ^2/NDF:1818492.9/24

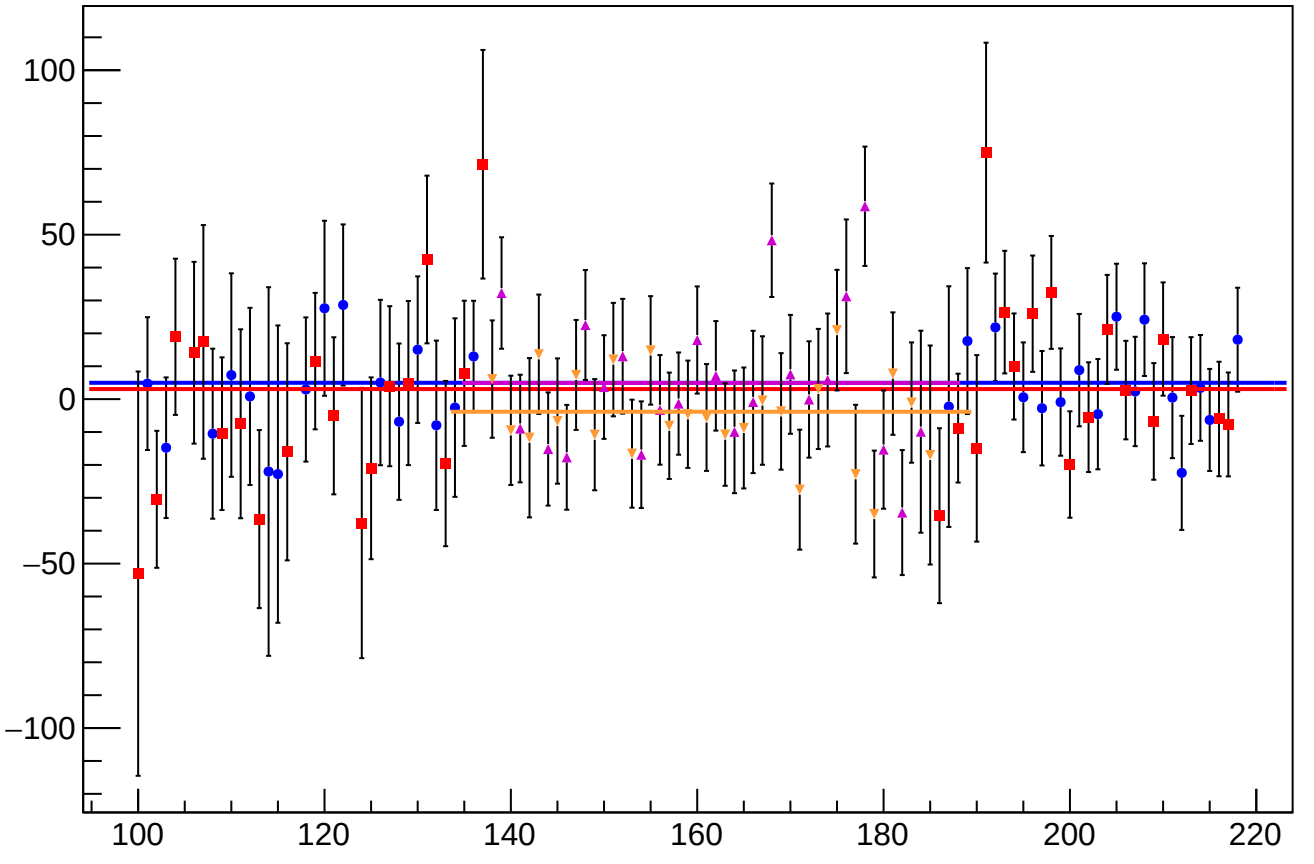
Right Out: 170.304+/-0.028 χ^2/NDF: 3075771.1/35

Left In: 178.318+/-0.031 χ^2/NDF:1678336.4/22

+ sign 182.233+/-0.021 χ^2/NDF: 4502407.7/56

All: 177.955+/-0.015 χ^2/NDF: 9371849.6/115

- sign 173.922+/-0.021 χ^2/NDF: 4791222.1/58



Right In: 4.971+/-3.545 χ^2/NDF: 13.3/31

Left Out: -3.834+/-3.603 χ^2/NDF:12.9/24

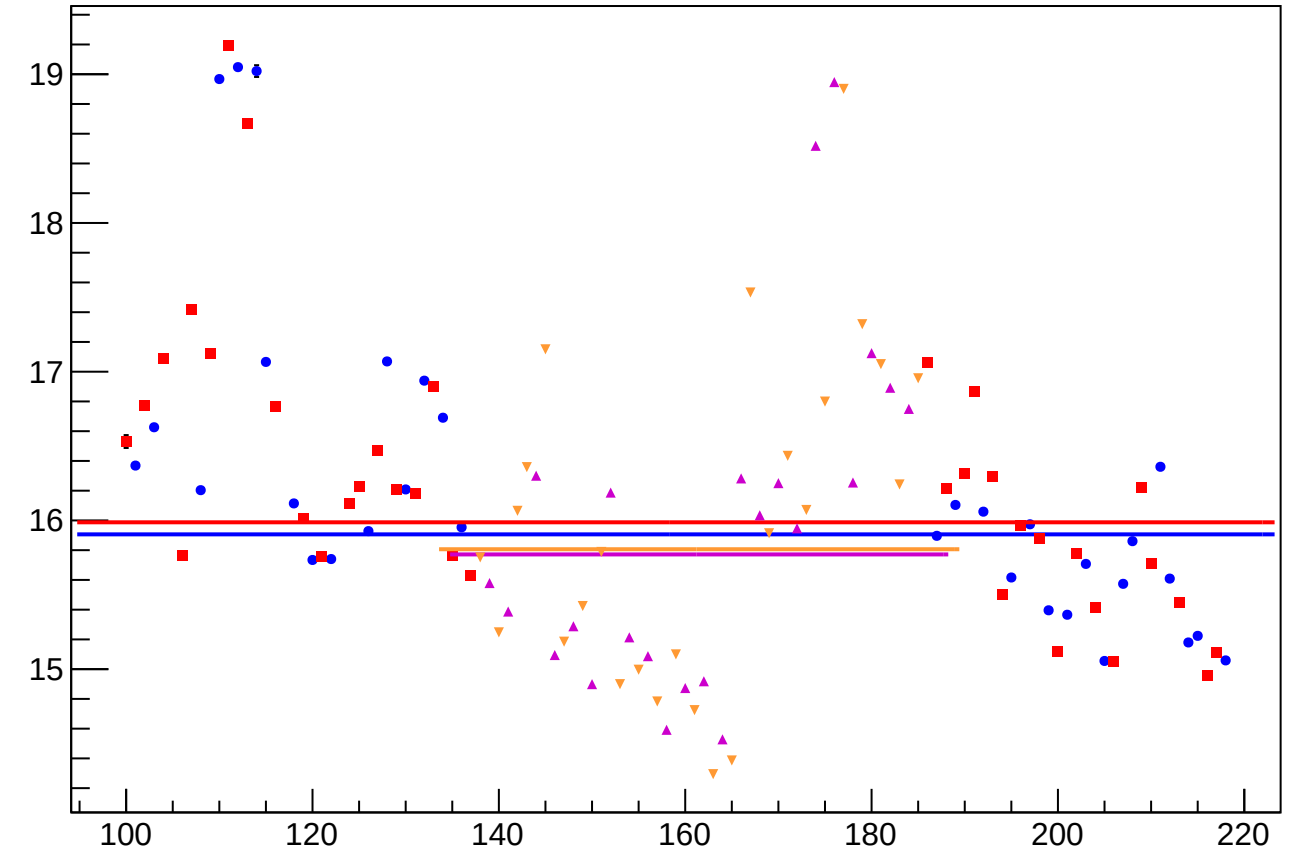
Right Out: 3.063+/-3.519 χ^2/NDF: 35.6/35

Left In: 4.903+/-3.695 χ^2/NDF:33.9/22

+ sign 0.639+/-2.527 χ^2/NDF: 29.2/56

All: 2.275+/-1.794 χ^2/NDF: 99.7/115

- sign 3.938+/-2.548 χ^2/NDF: 69.6/58



Right In: 15.906+/-0.003 χ^2/NDF: 95417.3/31

Left Out: 15.806+/-0.003 χ^2/NDF:172651.3/24

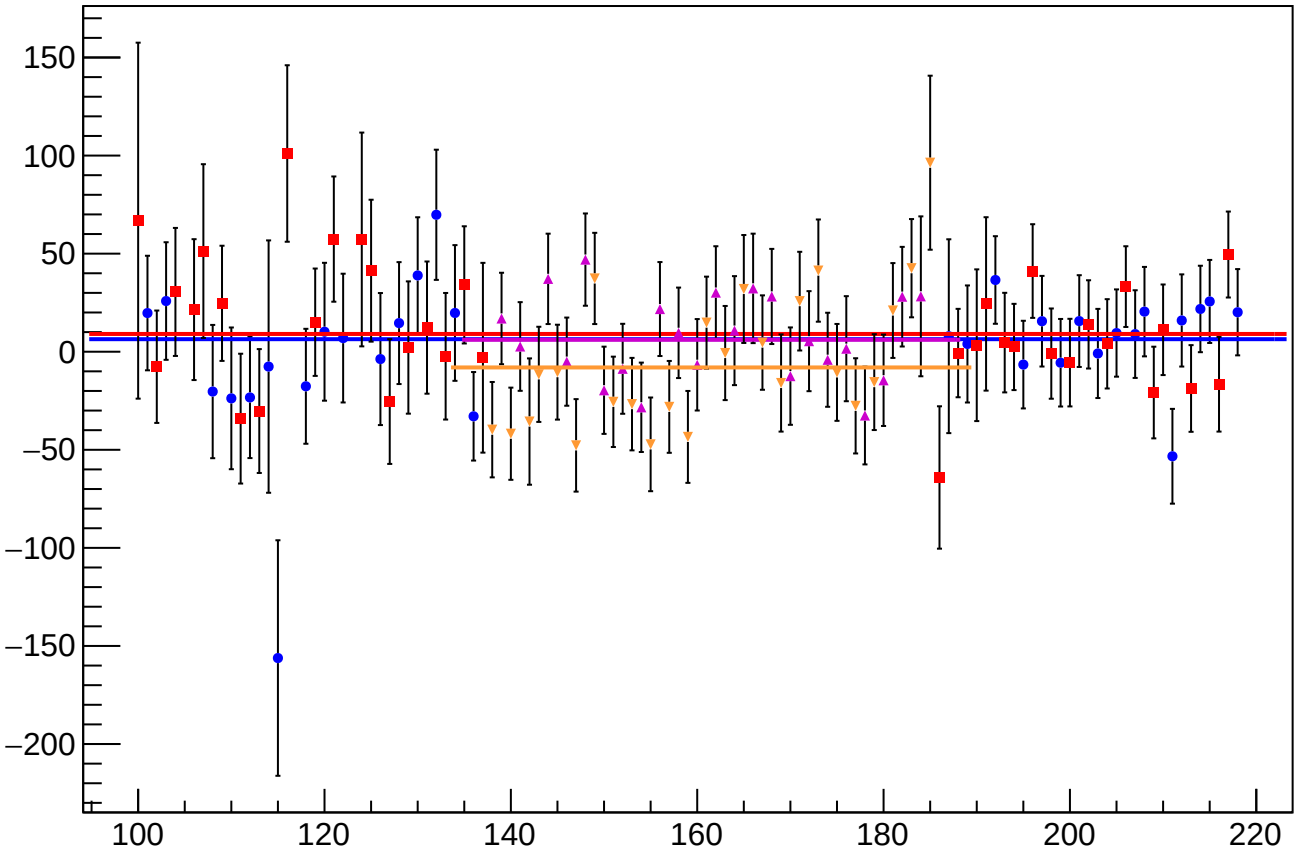
Right Out: 15.987+/-0.002 χ^2/NDF: 105762.6/35

Left In: 15.771+/-0.003 χ^2/NDF:152136.7/22

\+ sign 15.857+/-0.002 χ^2/NDF: 268852.2/56

All: 15.871+/-0.001 χ^2/NDF: 530451.7/115

\- sign 15.885+/-0.002 χ^2/NDF: 261481.7/58



Right In: 6.395+/-4.758 χ^2/NDF: 30.4/31

Left Out: -8.016+/-4.956 χ^2/NDF:38.9/24

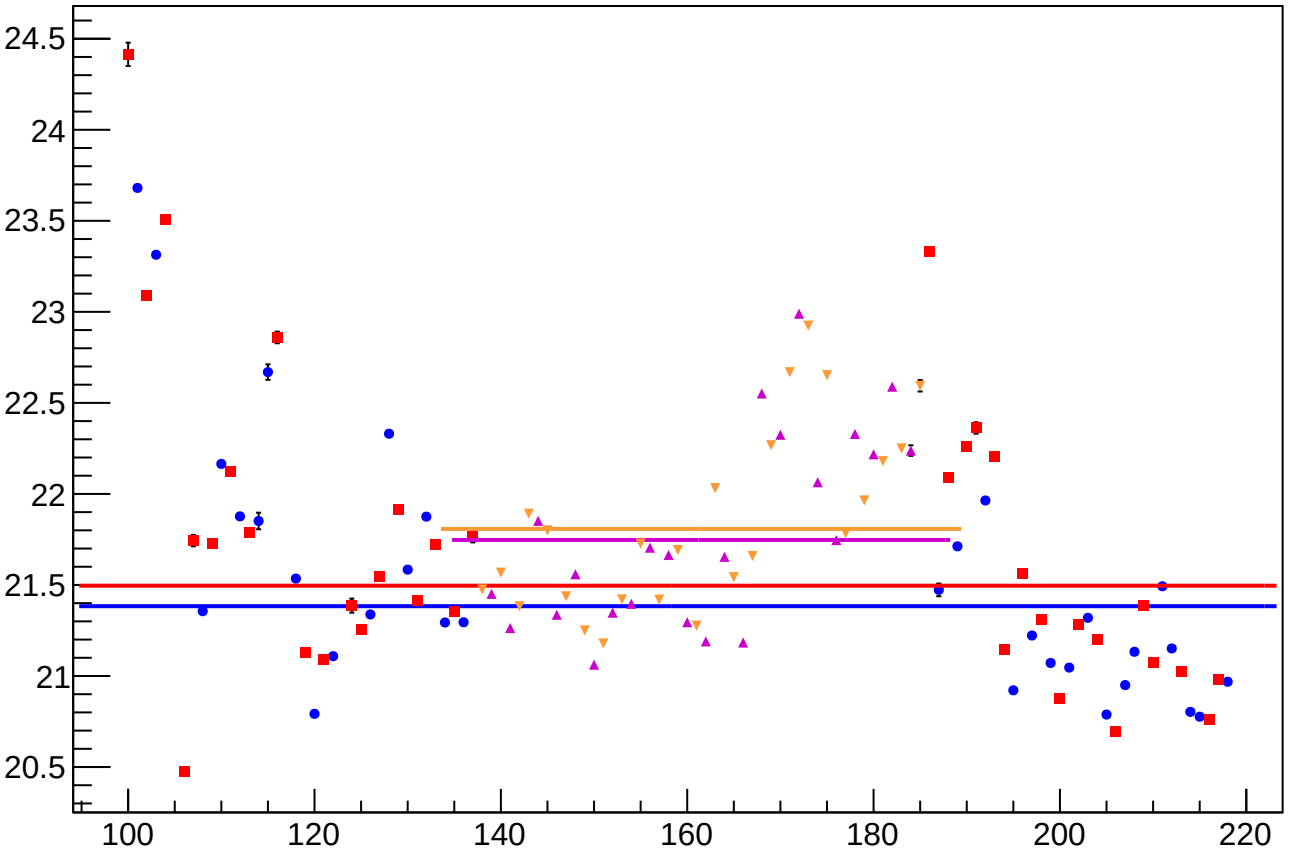
Right Out: 9.058+/-4.724 χ^2/NDF: 32.1/35

Left In: 6.086+/-5.080 χ^2/NDF:17.9/22

\+ sign -0.518+/-3.432 χ^2/NDF: 73.6/56

All: 3.549+/-2.437 χ^2/NDF: 126.7/115

\- sign 7.680+/-3.459 χ^2/NDF: 50.2/58



Right In: 21.383+/-0.003 χ^2/NDF: 36120.1/31

Left Out: 21.808+/-0.004 χ^2/NDF:17561.0/24

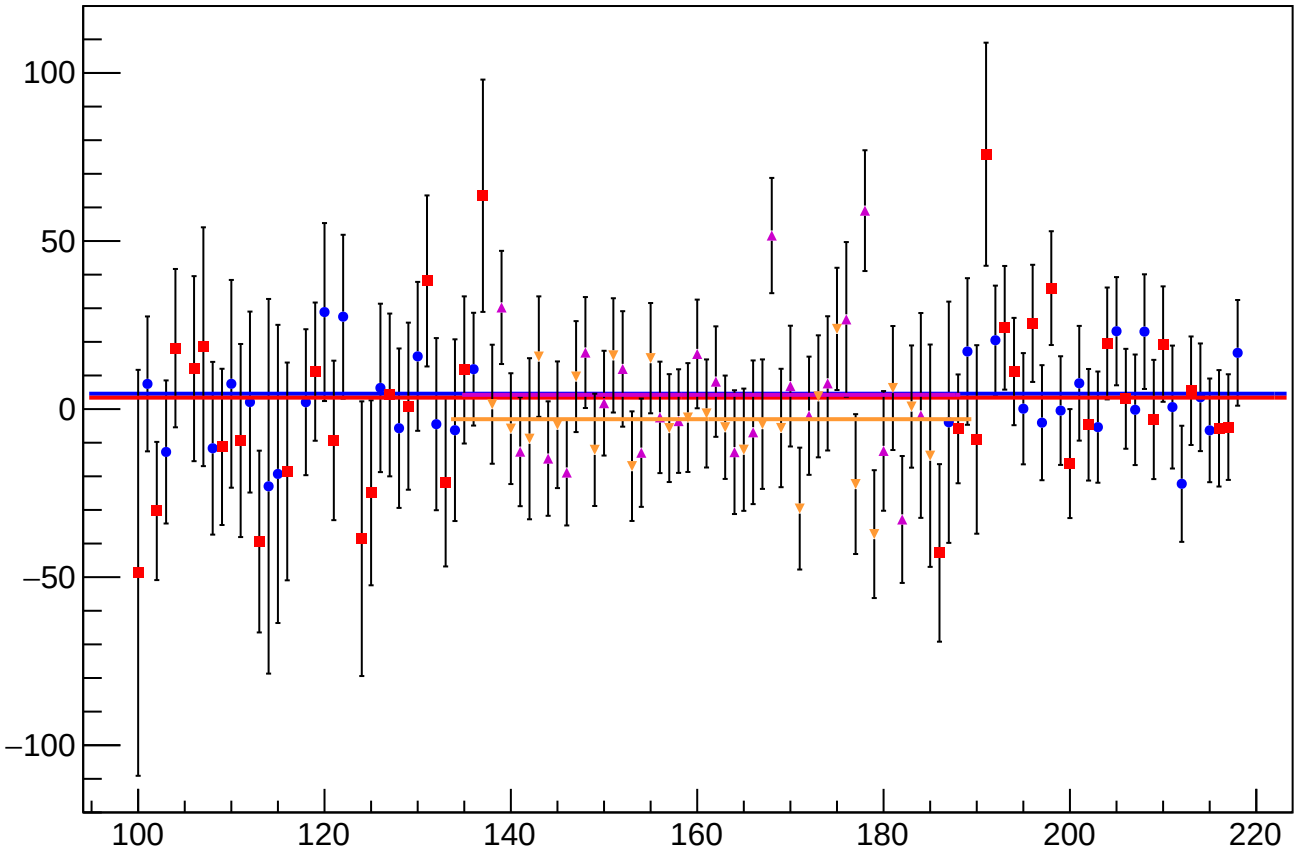
Right Out: 21.496+/-0.003 χ^2/NDF: 41646.3/35

Left In: 21.747+/-0.004 χ^2/NDF:20560.9/22

+ sign 21.587+/-0.002 χ^2/NDF: 61311.5/56

All: 21.600+/-0.002 χ^2/NDF: 126199.5/115

- sign 21.613+/-0.002 χ^2/NDF: 64832.8/58



Right In: 4.577+/-3.520 χ^2/NDF: 12.6/31

Left Out: -3.002+/-3.569 χ^2/NDF:14.6/24

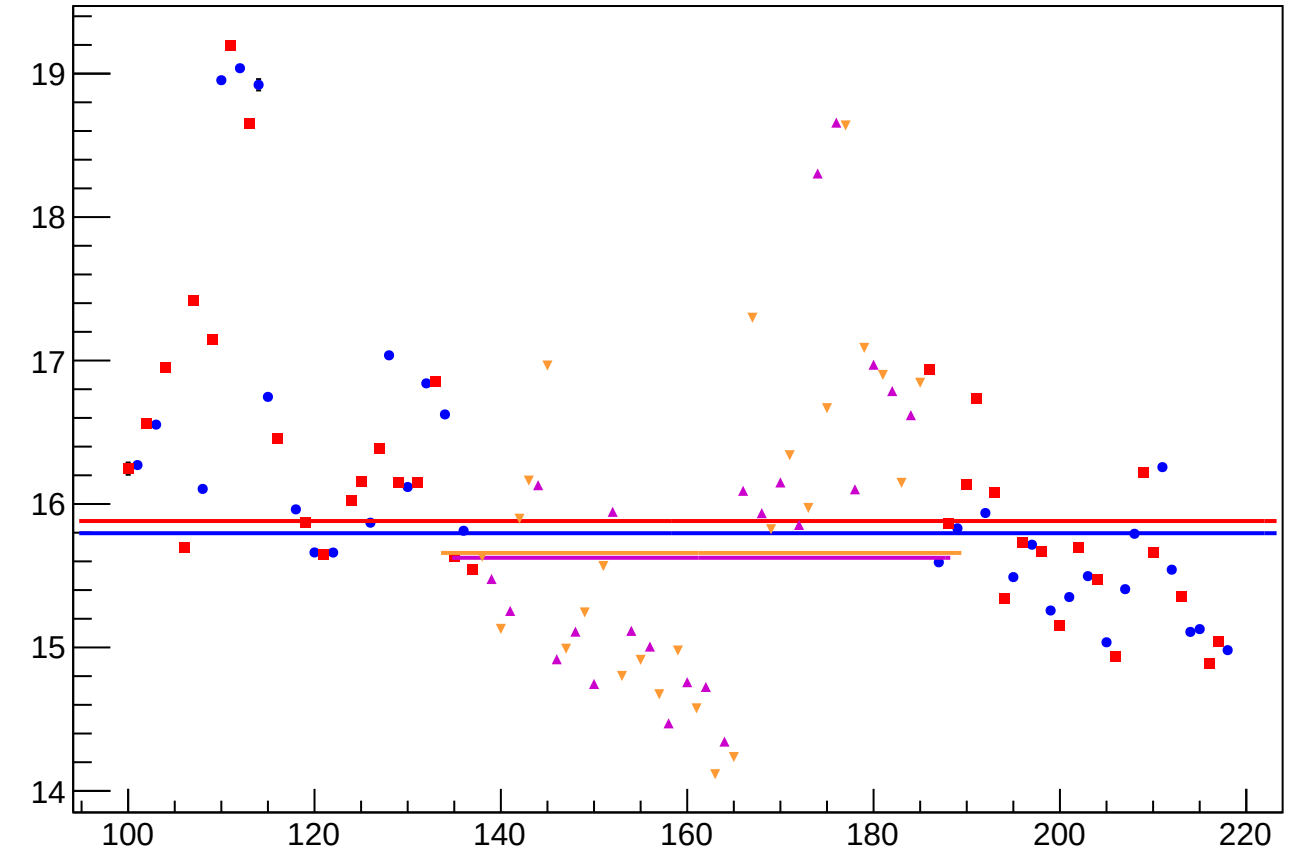
Right Out: 3.406+/-3.496 χ^2/NDF: 35.7/35

Left In: 4.249+/-3.661 χ^2/NDF:33.8/22

+ sign 0.839+/-2.506 χ^2/NDF: 29.5/56

All: 2.311+/-1.780 χ^2/NDF: 99.8/115

- sign 3.808+/-2.528 χ^2/NDF: 69.5/58



Right In: 15.796+/-0.002 χ^2/NDF: 97673.8/31

Left Out: 15.659+/-0.003 χ^2/NDF:169838.6/24

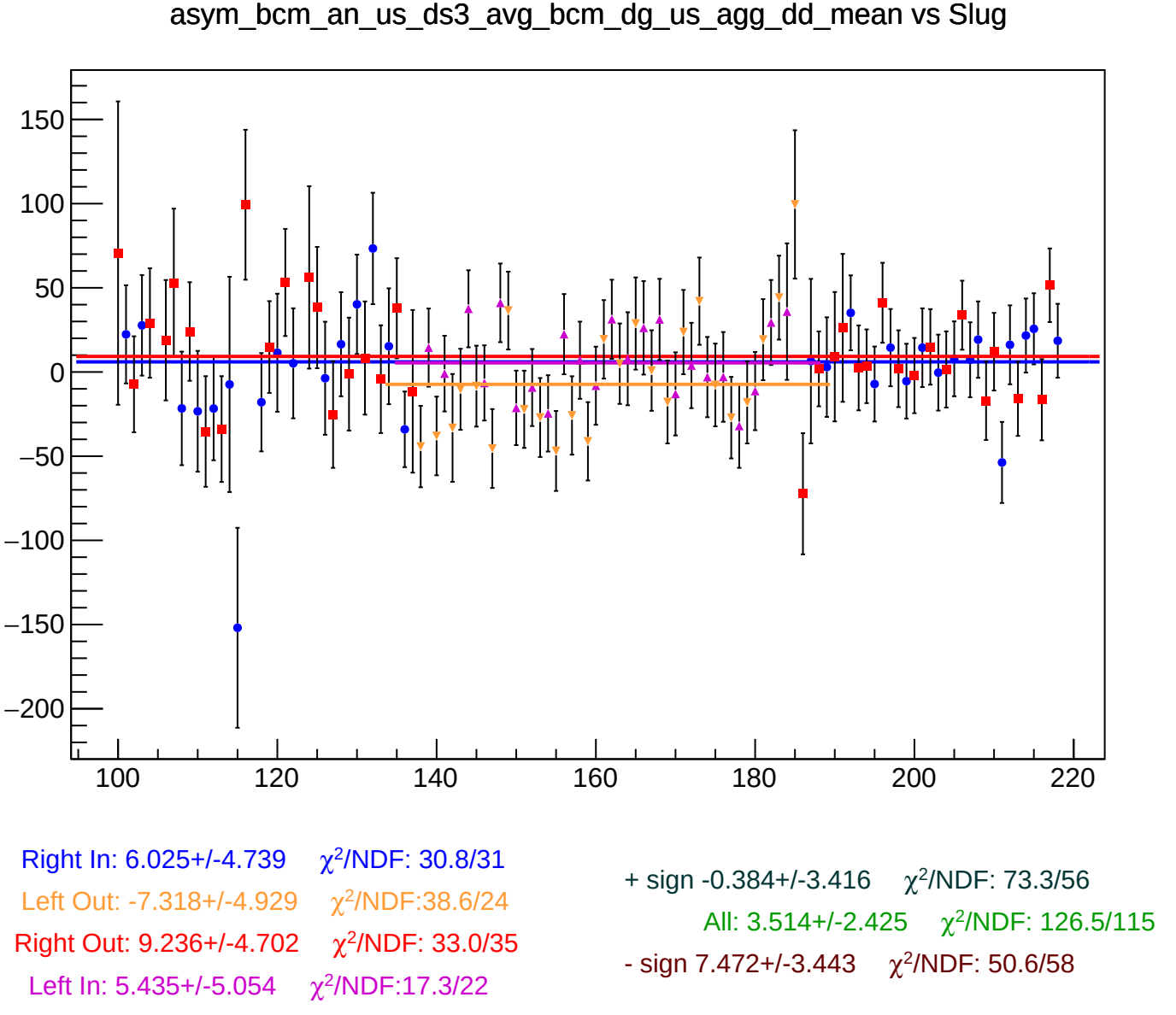
Right Out: 15.881+/-0.002 χ^2/NDF: 106346.3/35

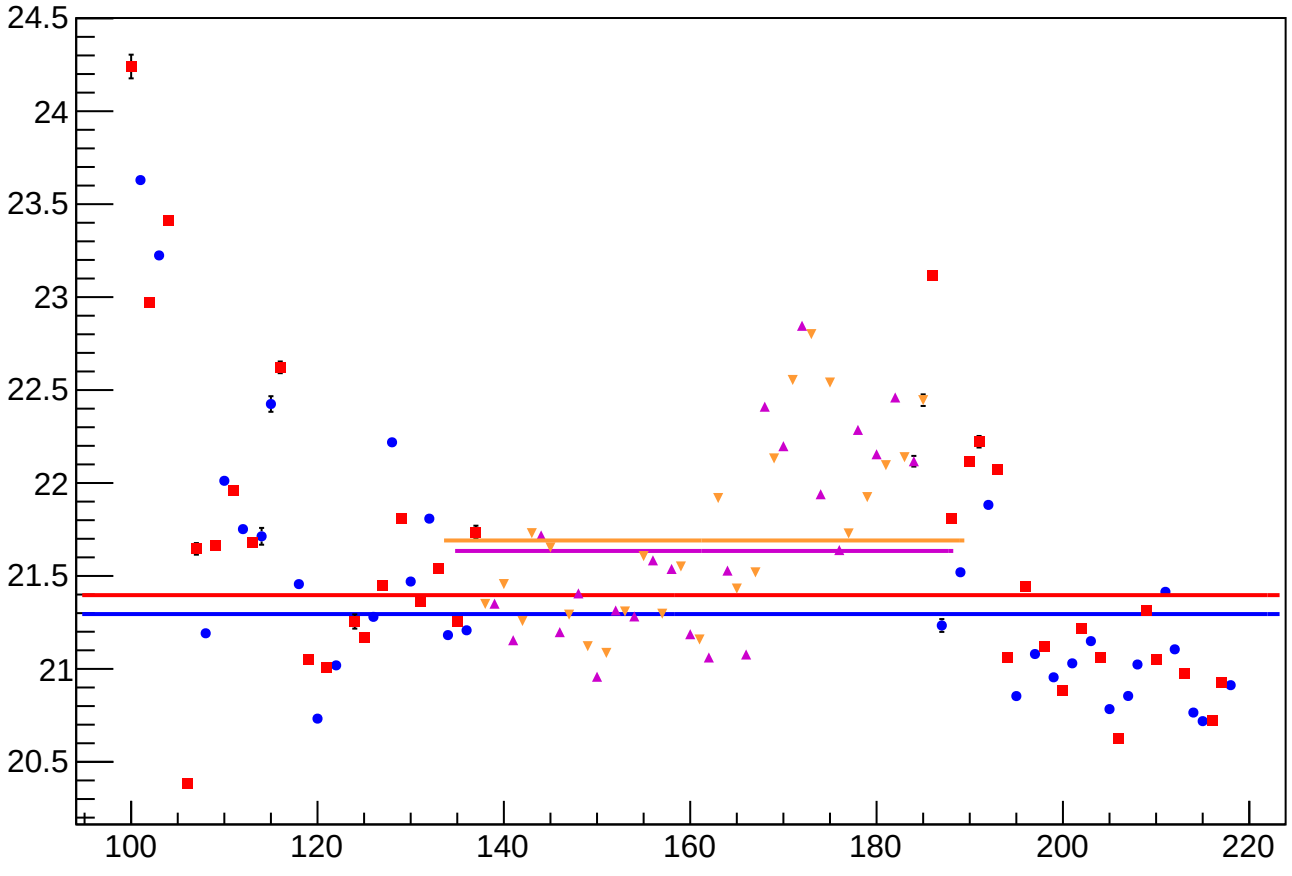
Left In: 15.625+/-0.003 χ^2/NDF:150431.7/22

\+ sign 15.729+/-0.002 χ^2/NDF: 269016.5/56

All: 15.744+/-0.001 χ^2/NDF: 531066.9/115

\- sign 15.759+/-0.002 χ^2/NDF: 261904.0/58


asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_mean vs Slug
150
100
50
0
−50
−100
−150
−200
100
120
140
160
180
200
220
Right In: 6.025+/-4.739 χ²/NDF: 30.8/31
Left Out: -7.318+/-4.929 χ²/NDF:38.6/24
Right Out: 9.236+/-4.702 χ²/NDF: 33.0/35
Left In: 5.435+/-5.054 χ²/NDF:17.3/22
+ sign -0.384+/-3.416 χ²/NDF: 73.3/56
All: 3.514+/-2.425 χ²/NDF: 126.5/115
- sign 7.472+/-3.443 χ²/NDF: 50.6/58



Right In: 21.295+/-0.003 χ^2/NDF: 35212.9/31

Left Out: 21.691+/-0.003 χ^2/NDF:17934.9/24

Right Out: 21.397+/-0.003 χ^2/NDF: 38088.6/35

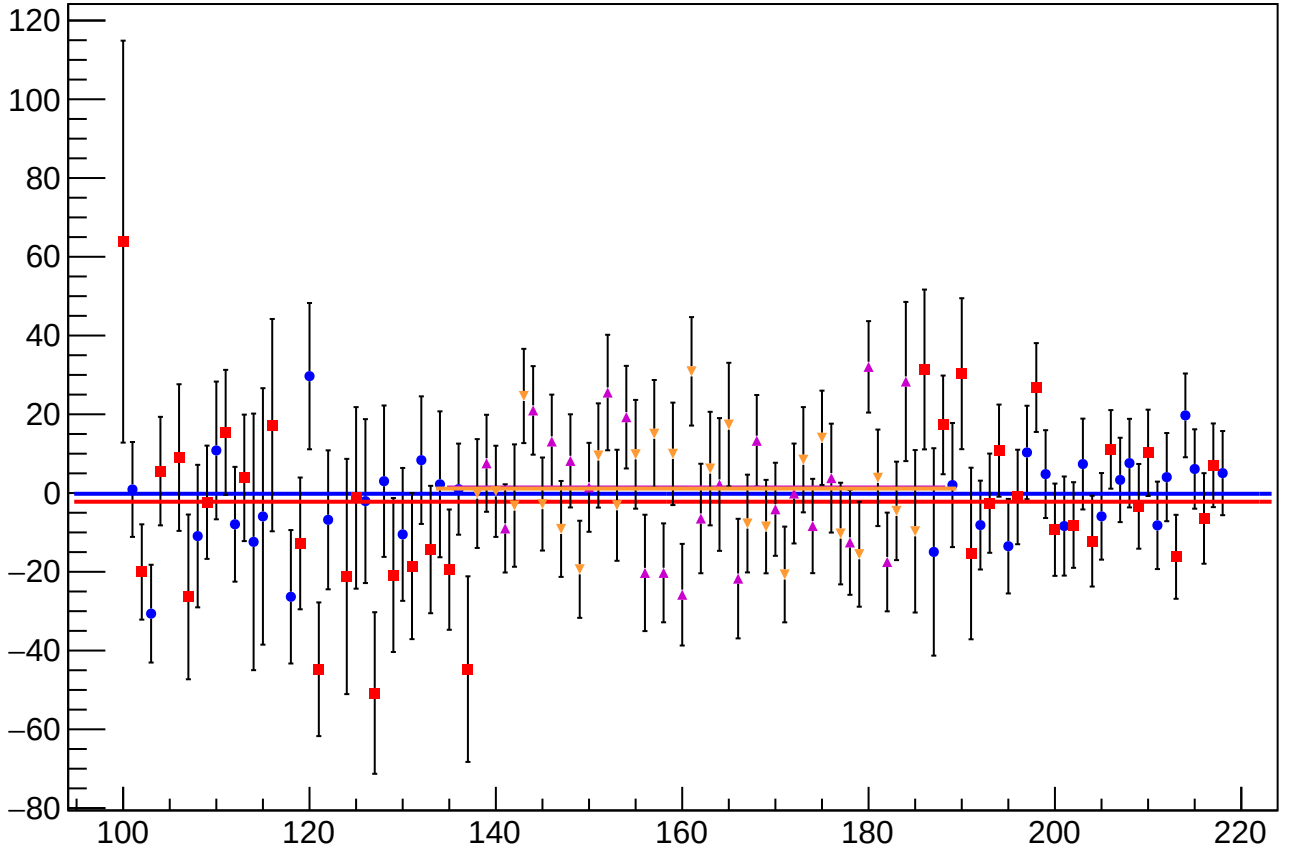
Left In: 21.635+/-0.004 χ^2/NDF:20561.5/22

+ sign 21.485+/-0.002 χ^2/NDF: 59852.9/56

All: 21.496+/-0.002 χ^2/NDF: 120915.9/115

- sign 21.507+/-0.002 χ^2/NDF: 61021.9/58

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs Slug



Right In: -0.182+/-2.382 χ^2/NDF: 22.6/31

Left Out: 1.138+/-2.620 χ^2/NDF:24.5/24

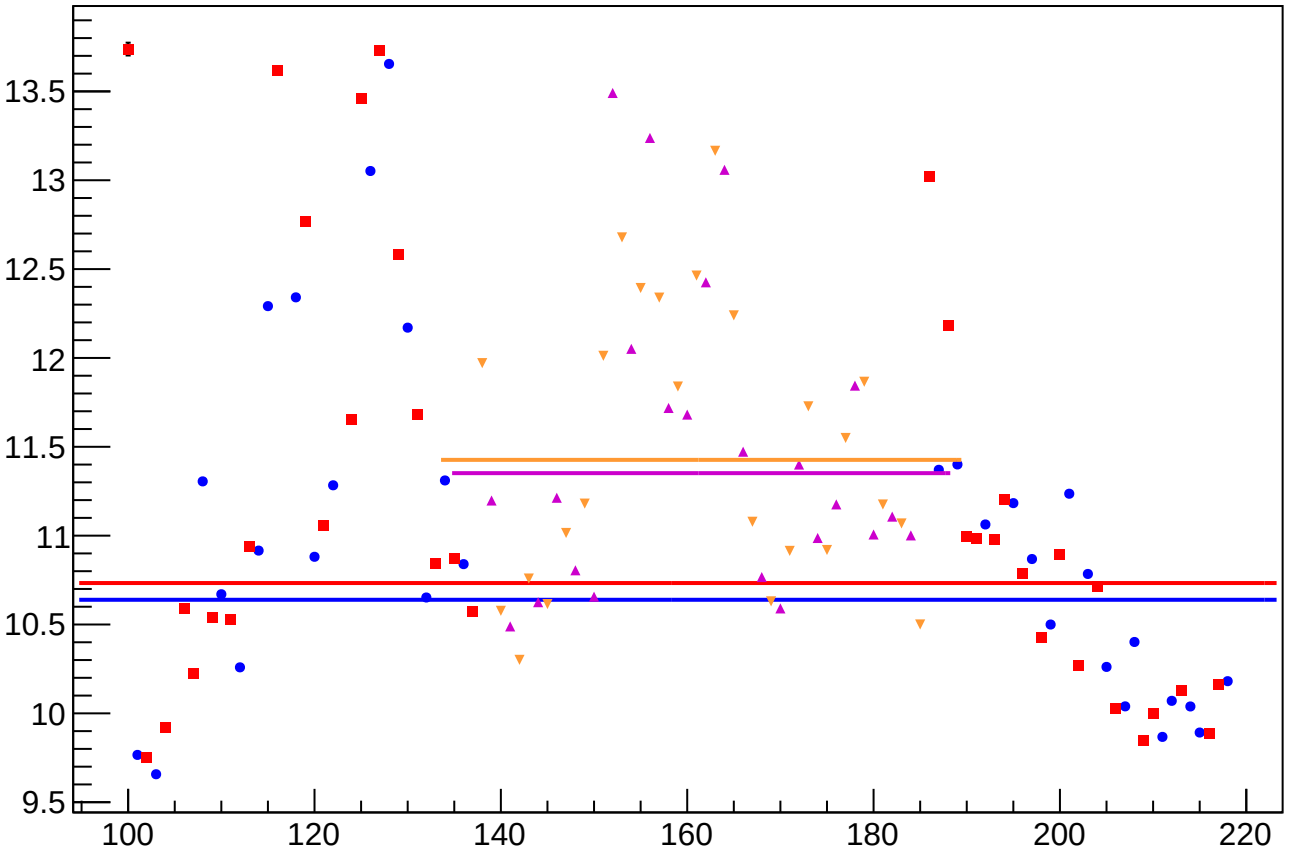
Right Out: -2.204+/-2.376 χ^2/NDF: 50.6/35

Left In: 1.407+/-2.674 χ^2/NDF:36.3/22

+ sign 0.415+/-1.762 χ^2/NDF: 47.3/56

All: -0.094+/-1.251 χ^2/NDF: 135.4/115

- sign -0.611+/-1.776 χ^2/NDF: 87.9/58



Right In: 10.639+/-0.002 χ^2/NDF: 215720.5/31

Left Out: 11.426+/-0.002 χ^2/NDF:156973.4/24

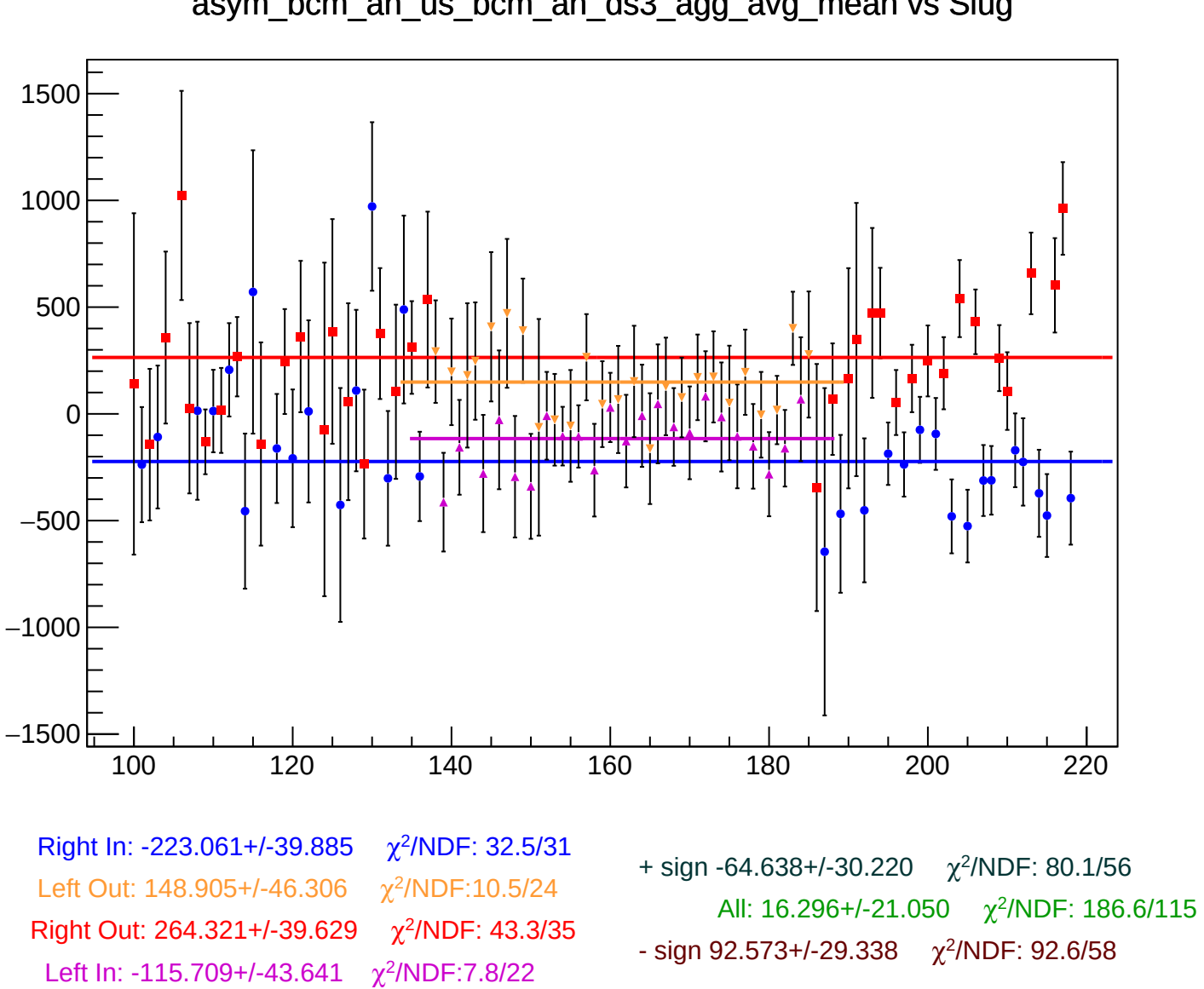
Right Out: 10.733+/-0.002 χ^2/NDF: 296811.6/35

Left In: 11.352+/-0.002 χ^2/NDF:170563.6/22

+ sign 10.995+/-0.001 χ^2/NDF: 471579.4/56

All: 11.001+/-0.001 χ^2/NDF: 998756.0/115

- sign 11.006+/-0.001 χ^2/NDF: 527139.5/58


asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs Slug
1500
1000
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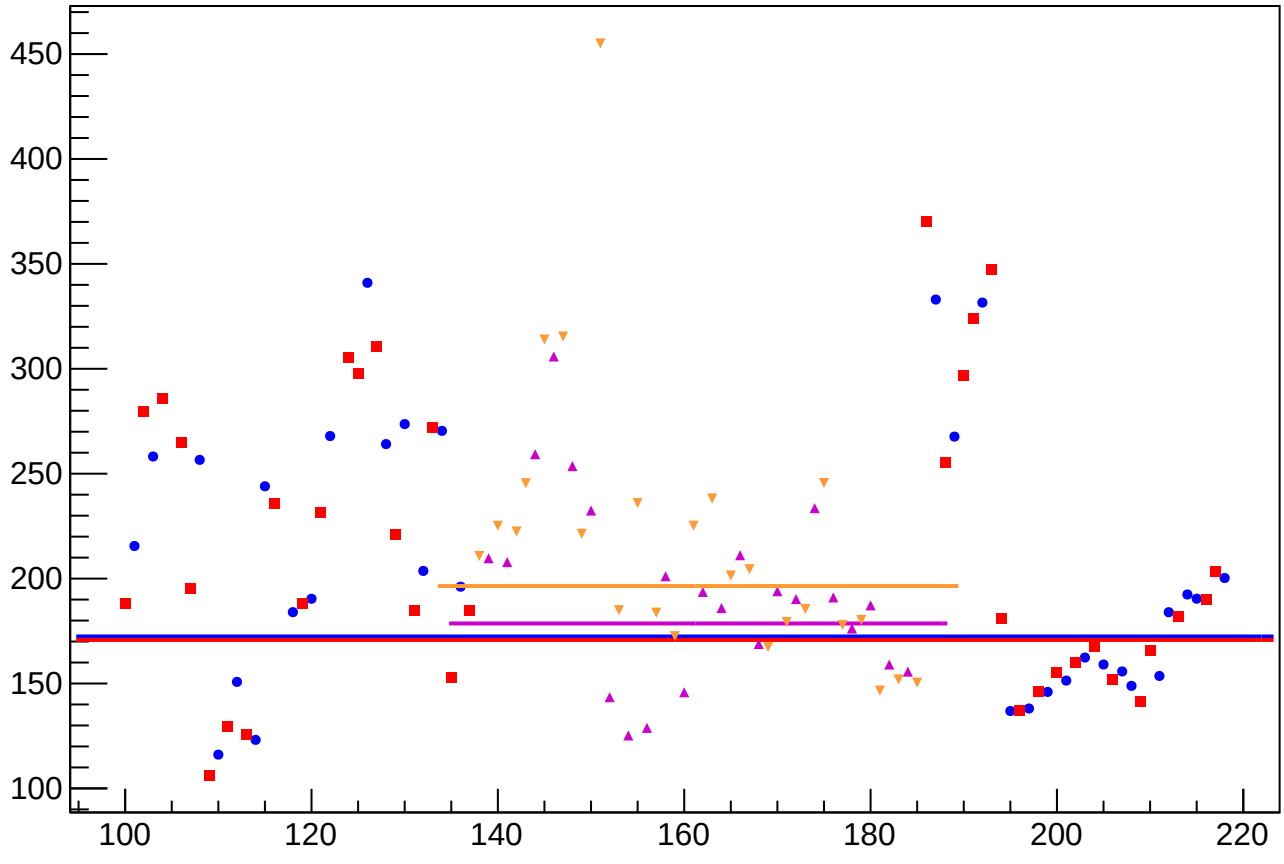
0
−500
−1000
−1500
100
120
140
160
180
200
220
Right In: -223.061+/-39.885 χ²/NDF: 32.5/31
Left Out: 148.905+/-46.306 χ²/NDF:10.5/24
Right Out: 264.321+/-39.629 χ²/NDF: 43.3/35
Left In: -115.709+/-43.641 χ²/NDF:7.8/22
+ sign -64.638+/-30.220 χ²/NDF: 80.1/56
All: 16.296+/-21.050 χ²/NDF: 186.6/115
- sign 92.573+/-29.338 χ²/NDF: 92.6/58



Right In: 172.407+/-0.028 χ^2/NDF: 2366105.2/31

Left Out: 196.454+/-0.033 χ^2/NDF:1818746.1/24

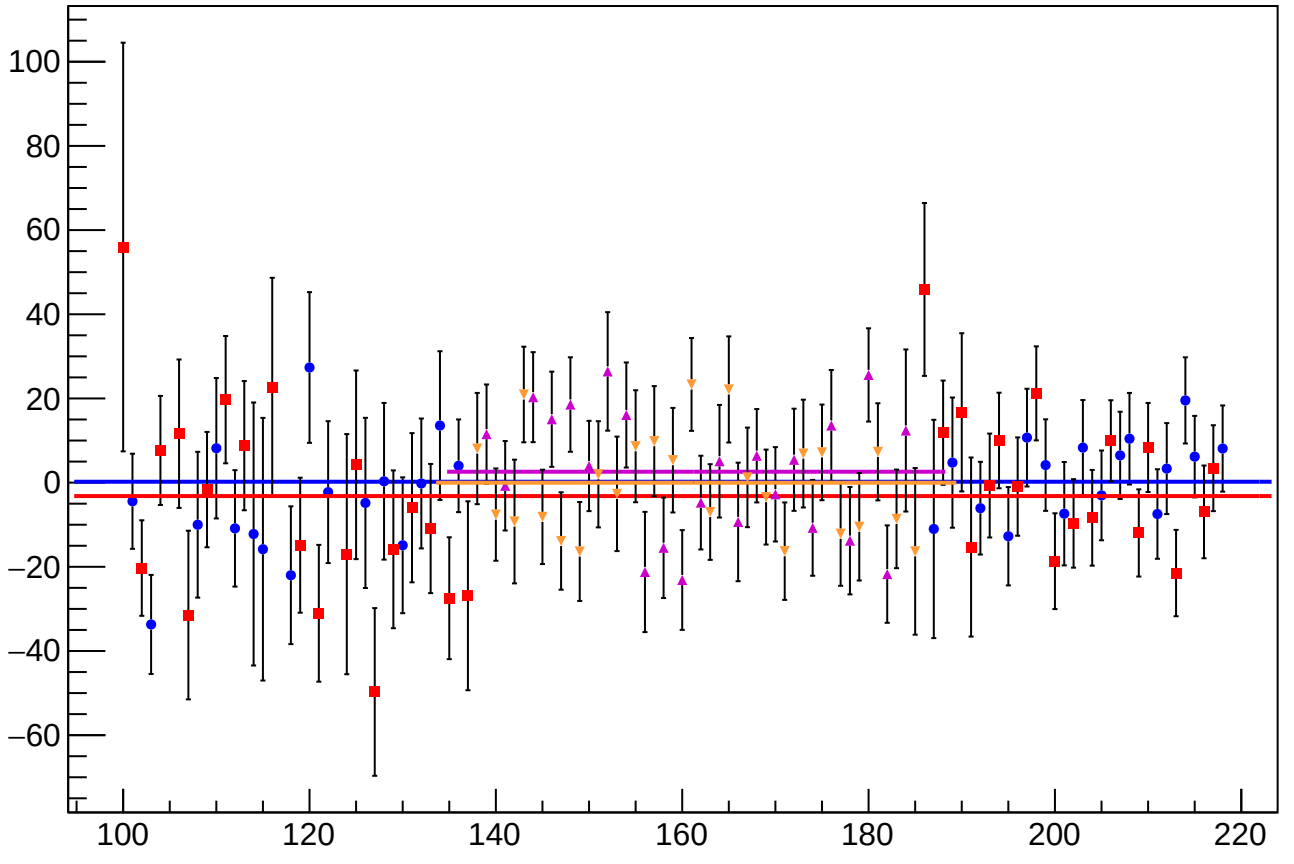
Right Out: 170.764+/-0.028 χ^2/NDF: 3072484.6/35

Left In: 178.614+/-0.031 χ^2/NDF:1678859.8/22

+ sign 182.649+/-0.021 χ^2/NDF: 4494503.1/56

All: 178.357+/-0.015 χ^2/NDF: 9359676.3/115

- sign 174.312+/-0.021 χ^2/NDF: 4786809.8/58



Right In: 0.214+/-2.296 χ^2/NDF: 26.1/31

Left Out: -0.018+/-2.445 χ^2/NDF:23.7/24

Right Out: -3.194+/-2.293 χ^2/NDF: 49.7/35

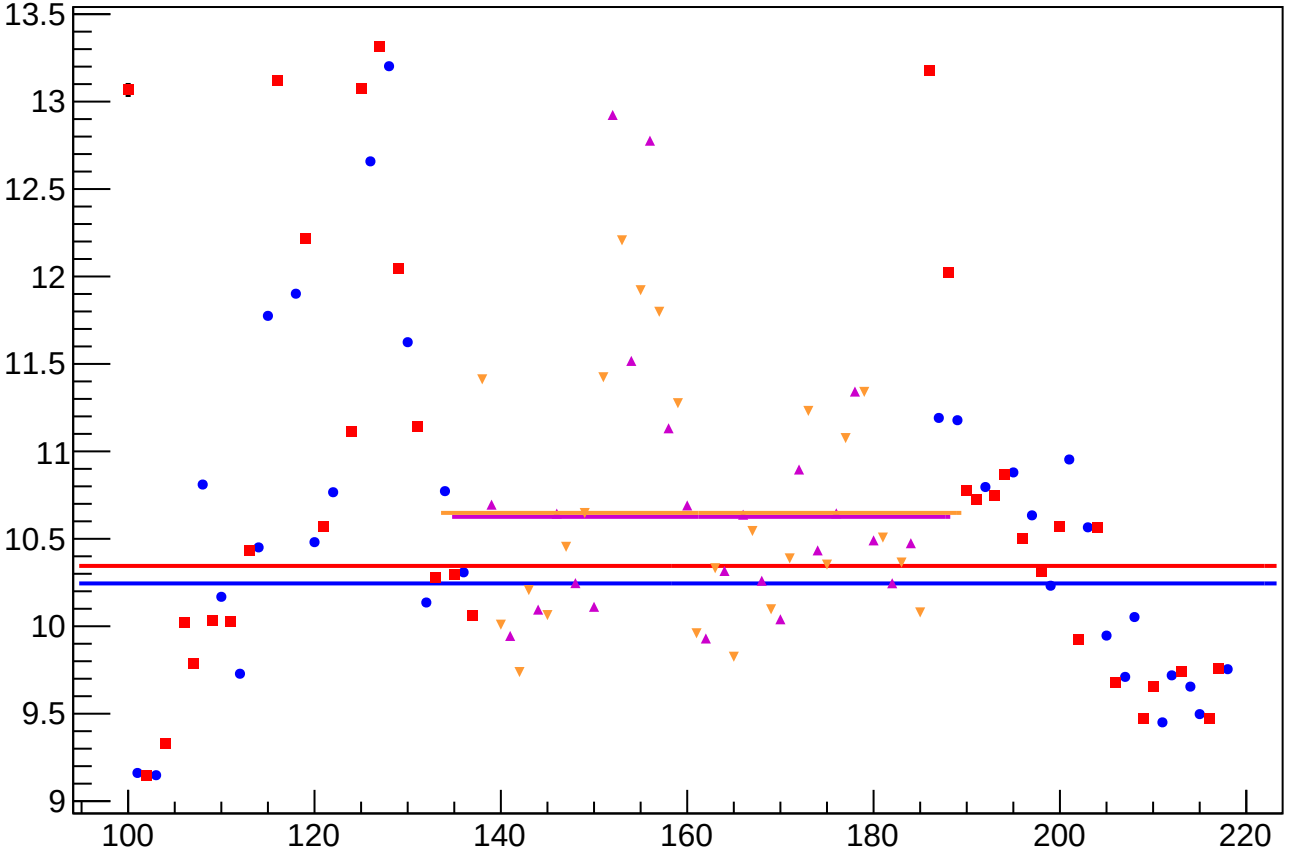
Left In: 2.591+/-2.506 χ^2/NDF:34.8/22

+ sign 0.105+/-1.674 χ^2/NDF: 49.8/56

All: -0.223+/-1.190 χ^2/NDF: 137.3/115

- sign -0.558+/-1.692 χ^2/NDF: 87.4/58

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs Slug



Right In: 10.245+/-0.002 χ^2/NDF: 241862.1/31

Left Out: 10.648+/-0.002 χ^2/NDF:143535.9/24

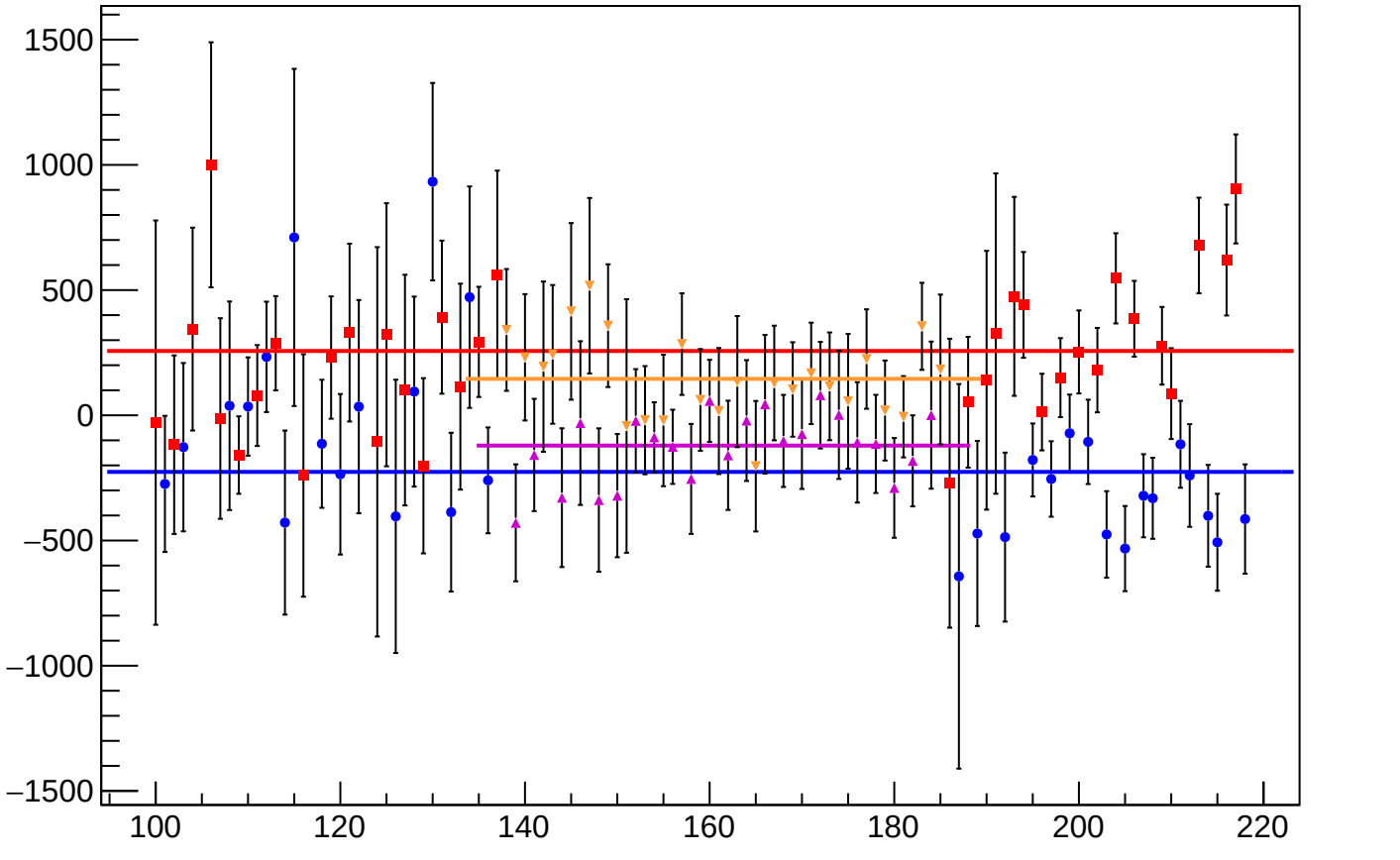
Right Out: 10.345+/-0.002 χ^2/NDF: 338487.8/35

Left In: 10.626+/-0.002 χ^2/NDF:159543.1/22

+ sign 10.434+/-0.001 χ^2/NDF: 414333.3/56

All: 10.453+/-0.001 χ^2/NDF: 926555.7/115

- sign 10.473+/-0.001 χ^2/NDF: 511684.8/58



Right In: -226.024+/-39.956 χ^2/NDF: 34.7/31

Left Out: 145.545+/-46.613 χ^2/NDF:10.3/24

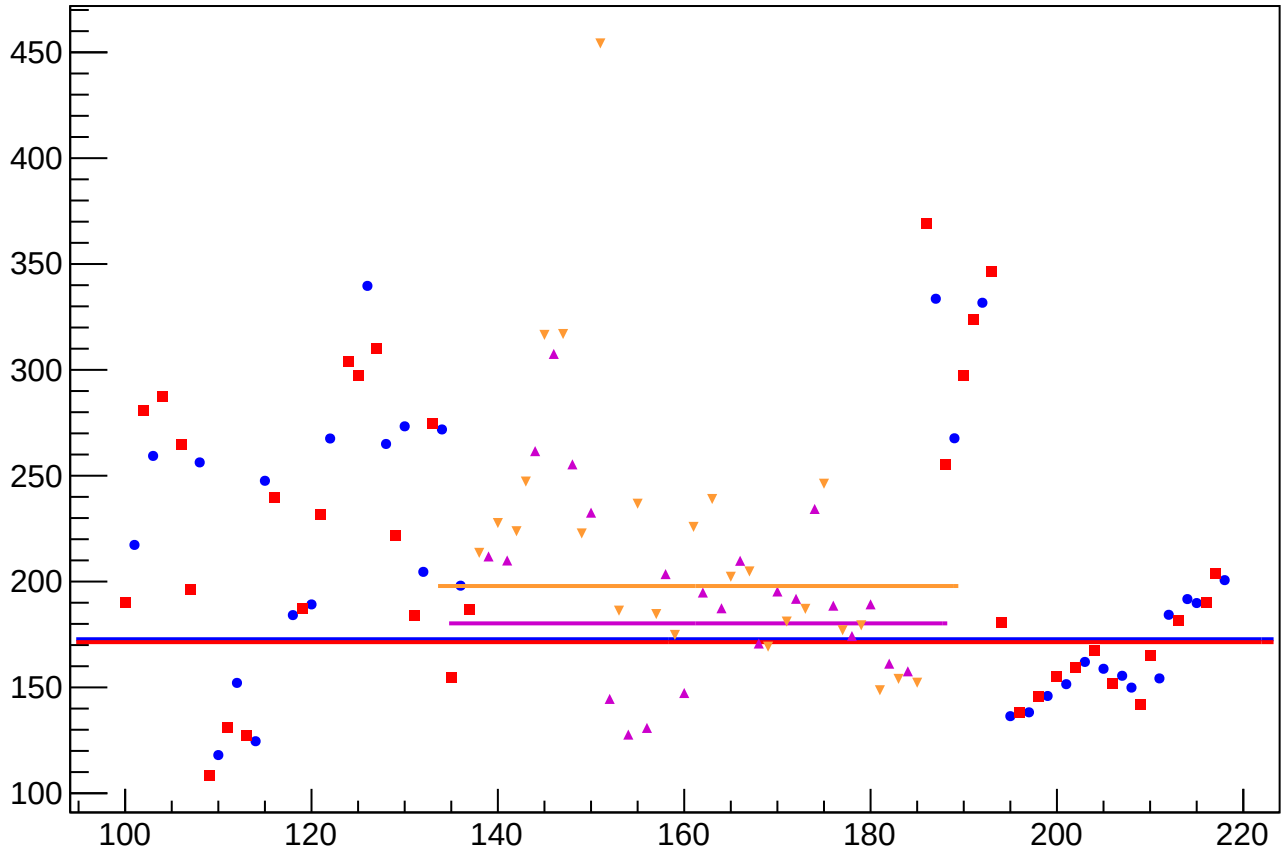
Right Out: 256.854+/-39.739 χ^2/NDF: 42.5/35

Left In: -120.888+/-43.994 χ^2/NDF:8.2/22

+ sign -68.643+/-30.336 χ^2/NDF: 81.6/56

All: 11.449+/-21.145 χ^2/NDF: 186.5/115

- sign 87.133+/-29.489 χ^2/NDF: 91.3/58



Right In: 172.755+/-0.028 χ^2/NDF: 2354299.2/31

Left Out: 197.890+/-0.033 χ^2/NDF:1788849.3/24

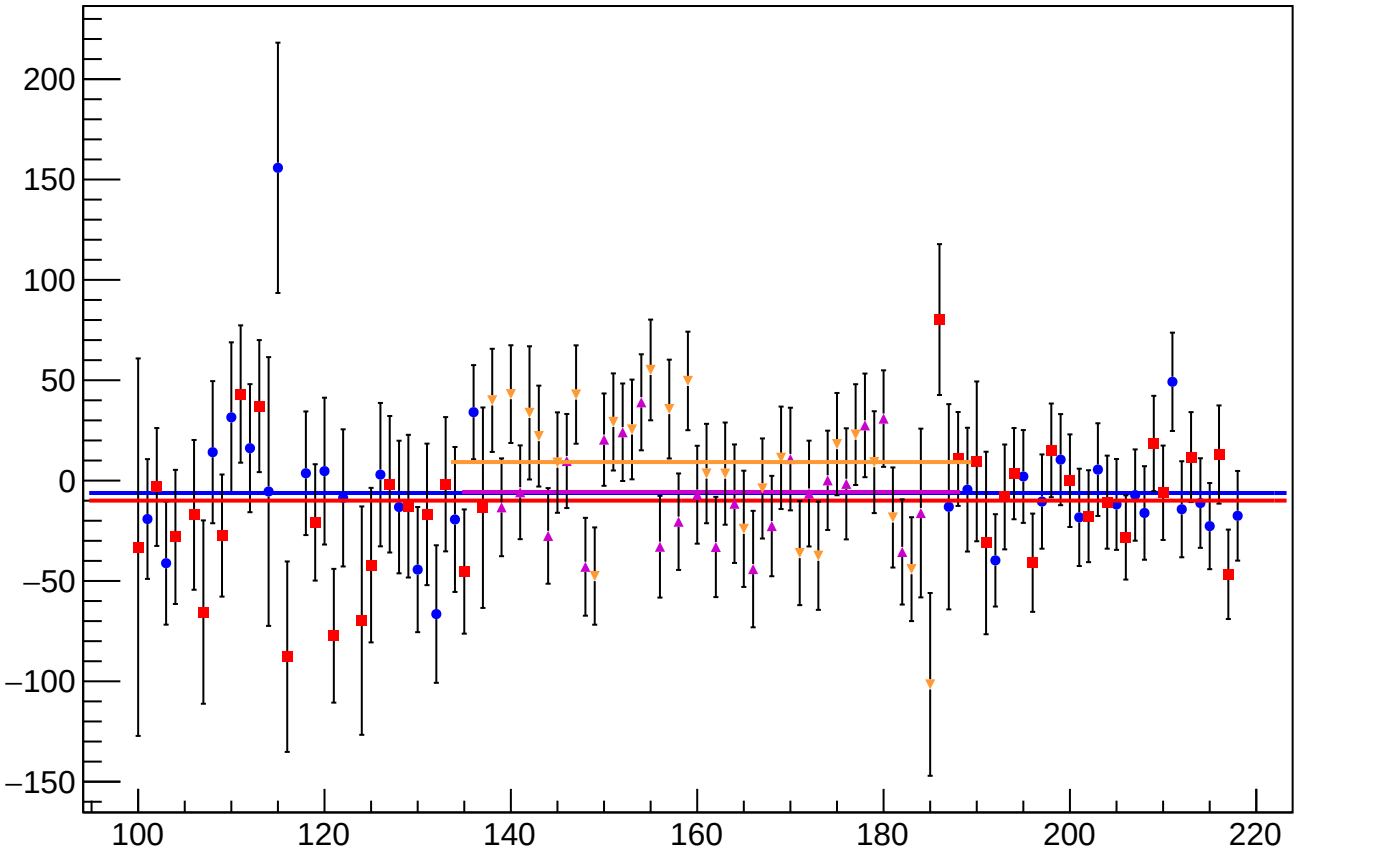
Right Out: 171.381+/-0.028 χ^2/NDF: 3019314.1/35

Left In: 180.248+/-0.031 χ^2/NDF:1627777.0/22

+ sign 183.401+/-0.021 χ^2/NDF: 4478375.3/56

All: 179.269+/-0.015 χ^2/NDF: 9242359.5/115

- sign 175.365+/-0.021 χ^2/NDF: 4691827.0/58



Right In: -6.180+/-4.889 χ^2/NDF: 27.8/31

Left Out: 9.234+/-5.162 χ^2/NDF:39.4/24

Right Out: -9.968+/-4.864 χ^2/NDF: 34.1/35

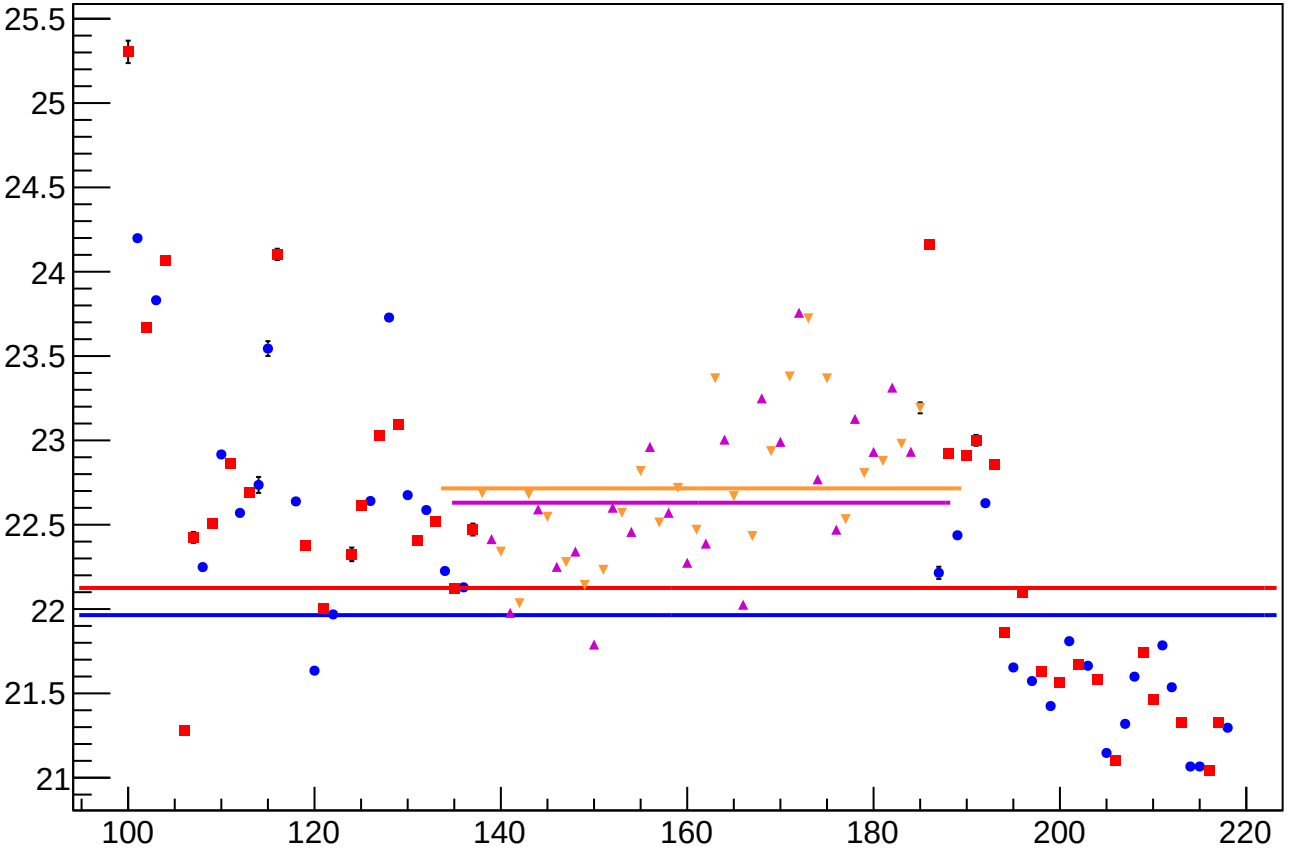
Left In: -5.668+/-5.286 χ^2/NDF:20.8/22

+ sign 1.108+/-3.550 χ^2/NDF: 71.9/56

All: -3.407+/-2.520 χ^2/NDF: 130.4/115

- sign -7.996+/-3.579 χ^2/NDF: 55.2/58

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 21.964+/-0.003 χ^2/NDF: 50419.2/31

Left Out: 22.715+/-0.004 χ^2/NDF:12181.4/24

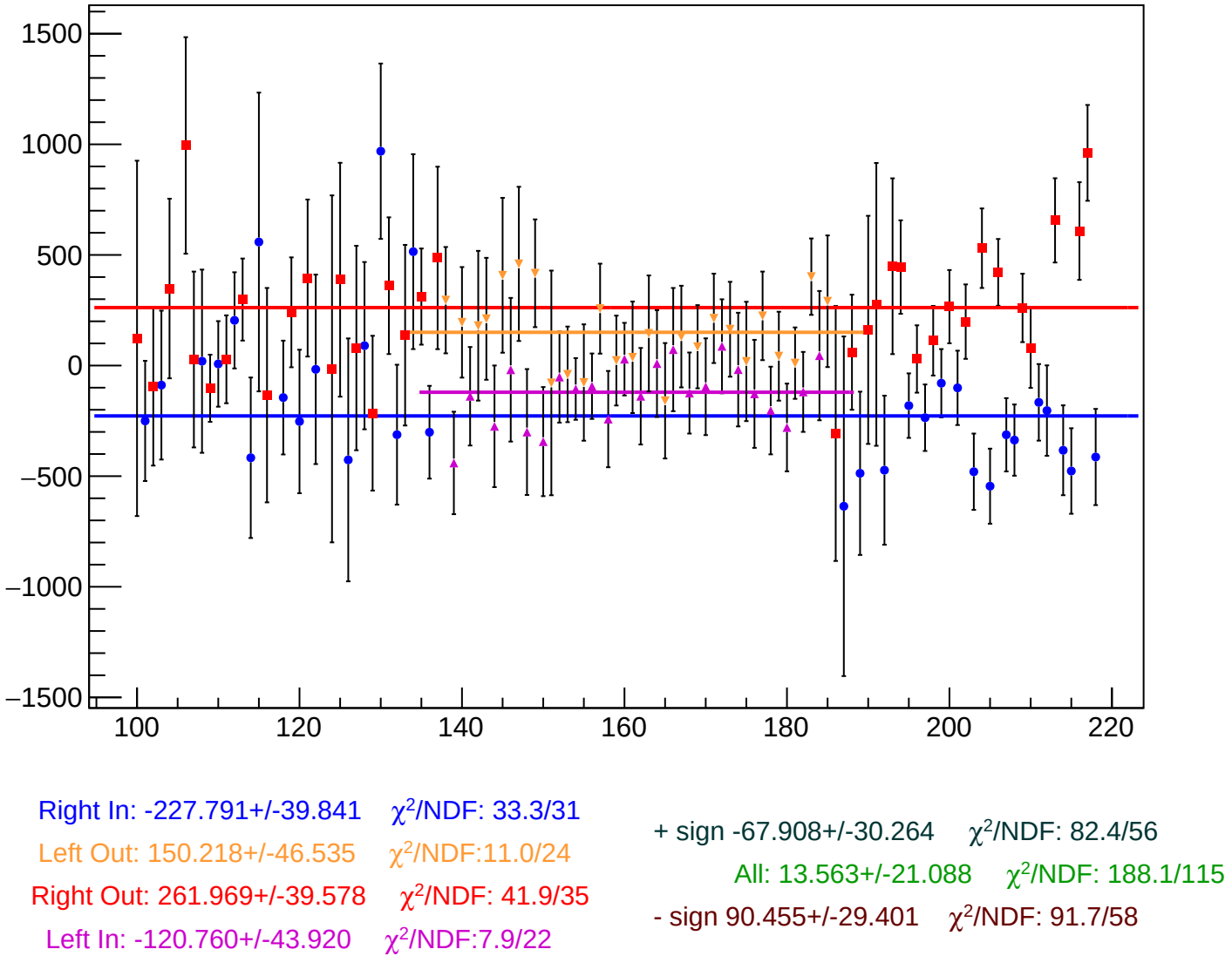
Right Out: 22.125+/-0.003 χ^2/NDF: 56347.5/35

Left In: 22.631+/-0.004 χ^2/NDF:15391.4/22

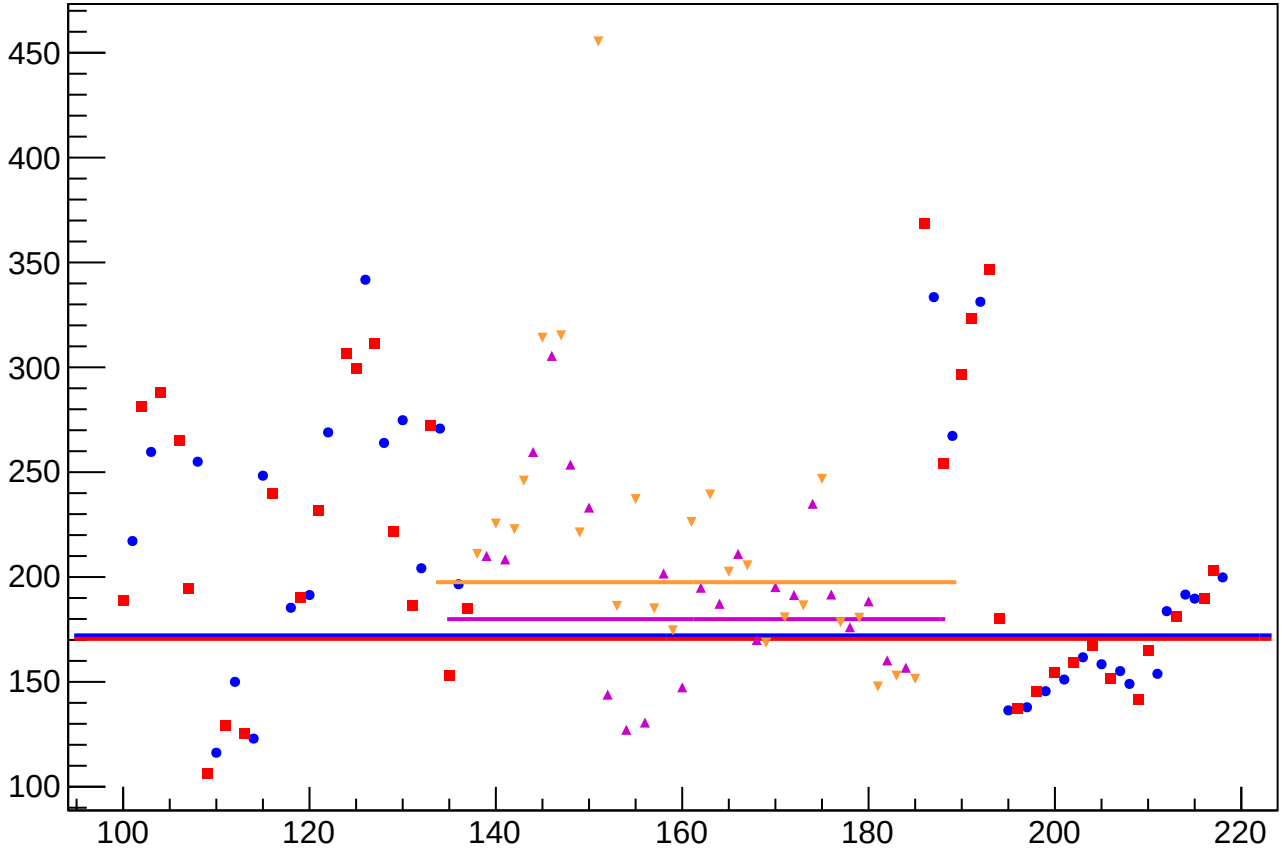
+ sign 22.319+/-0.003 χ^2/NDF: 84942.8/56

All: 22.338+/-0.002 χ^2/NDF: 166693.3/115

- sign 22.357+/-0.003 χ^2/NDF: 81639.4/58


asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs Slug
1500
1000
500
0
−500
−1000
−1500
100
120
140
160
180
200
220
Right In: -227.791+/-39.841 χ²/NDF: 33.3/31
Left Out: 150.218+/-46.535 χ²/NDF:11.0/24
Right Out: 261.969+/-39.578 χ²/NDF: 41.9/35
Left In: -120.760+/-43.920 χ²/NDF:7.9/22
+ sign -67.908+/-30.264 χ²/NDF: 82.4/56
All: 13.563+/-21.088 χ²/NDF: 188.1/115
- sign 90.455+/-29.401 χ²/NDF: 91.7/58

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs Slug



Right In: 172.176+/-0.028 χ^2/NDF: 2386620.0/31

Left Out: 197.534+/-0.033 χ^2/NDF:1789891.0/24

Right Out: 170.516+/-0.028 χ^2/NDF: 3091700.9/35

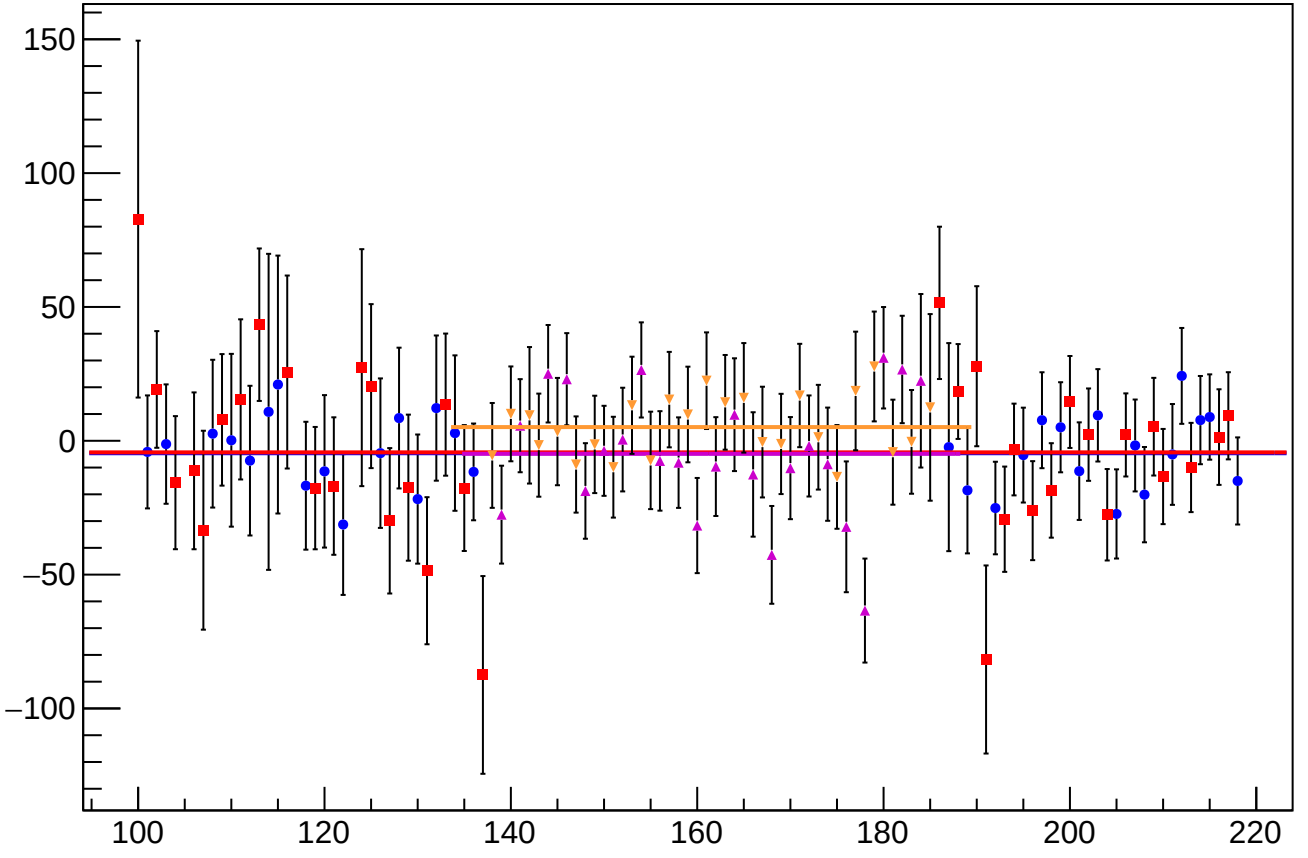
Left In: 179.923+/-0.031 χ^2/NDF:1624144.3/22

+ sign 182.902+/-0.021 χ^2/NDF: 4519199.2/56

All: 178.699+/-0.015 χ^2/NDF: 9360669.1/115

- sign 174.732+/-0.021 χ^2/NDF: 4766486.3/58

asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs Slug



Right In: -4.650+/-3.714 χ^2/NDF: 13.5/31

Left Out: 5.119+/-3.890 χ^2/NDF:7.9/24

Right Out: -4.325+/-3.699 χ^2/NDF: 39.2/35

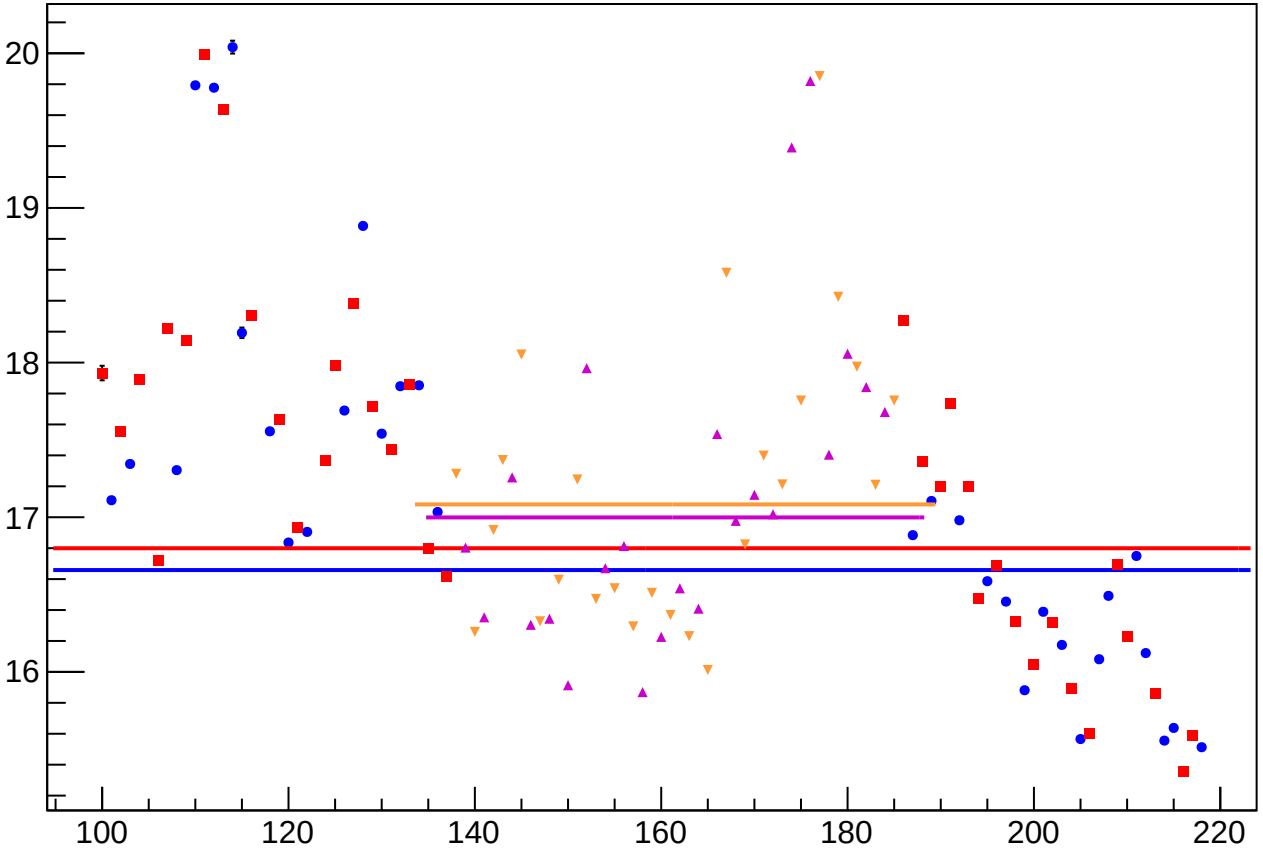
Left In: -4.858+/-3.980 χ^2/NDF:35.5/22

+ sign 0.008+/-2.686 χ^2/NDF: 24.7/56

All: -2.262+/-1.908 χ^2/NDF: 100.9/115

- sign -4.572+/-2.710 χ^2/NDF: 74.8/58

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs Slug



Right In: 16.658+/-0.003 χ^2/NDF: 135128.6/31

Left Out: 17.083+/-0.003 χ^2/NDF:96774.9/24

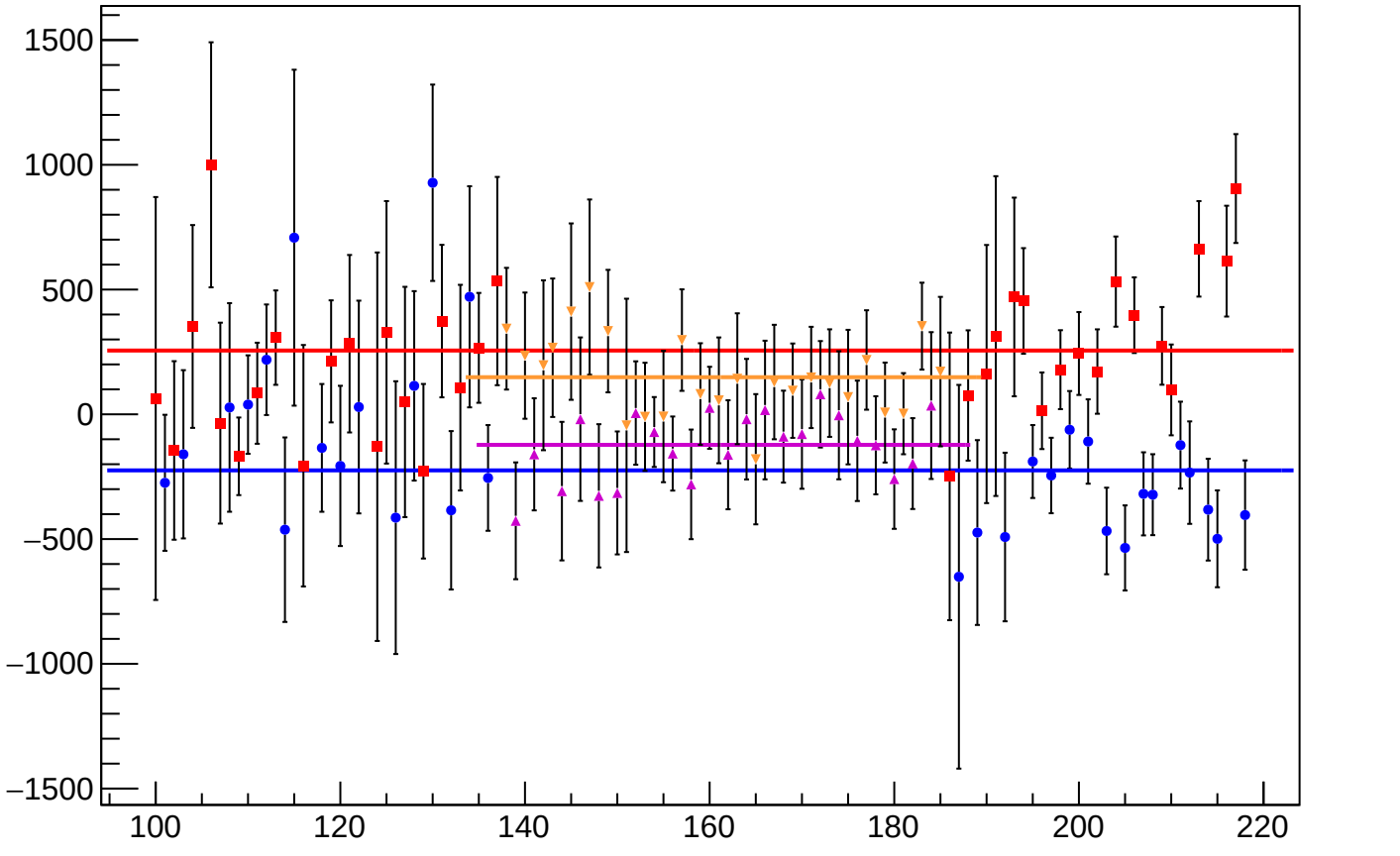
Right Out: 16.799+/-0.003 χ^2/NDF: 148883.3/35

Left In: 16.999+/-0.003 χ^2/NDF:104021.0/22

+ sign 16.861+/-0.002 χ^2/NDF: 244359.5/56

All: 16.876+/-0.001 χ^2/NDF: 500084.6/115

- sign 16.892+/-0.002 χ^2/NDF: 255593.5/58



Right In: -224.701+/-40.077 χ^2/NDF: 33.9/31

Left Out: 148.758+/-46.714 χ^2/NDF:9.5/24

Right Out: 255.640+/-39.857 χ^2/NDF: 41.8/35

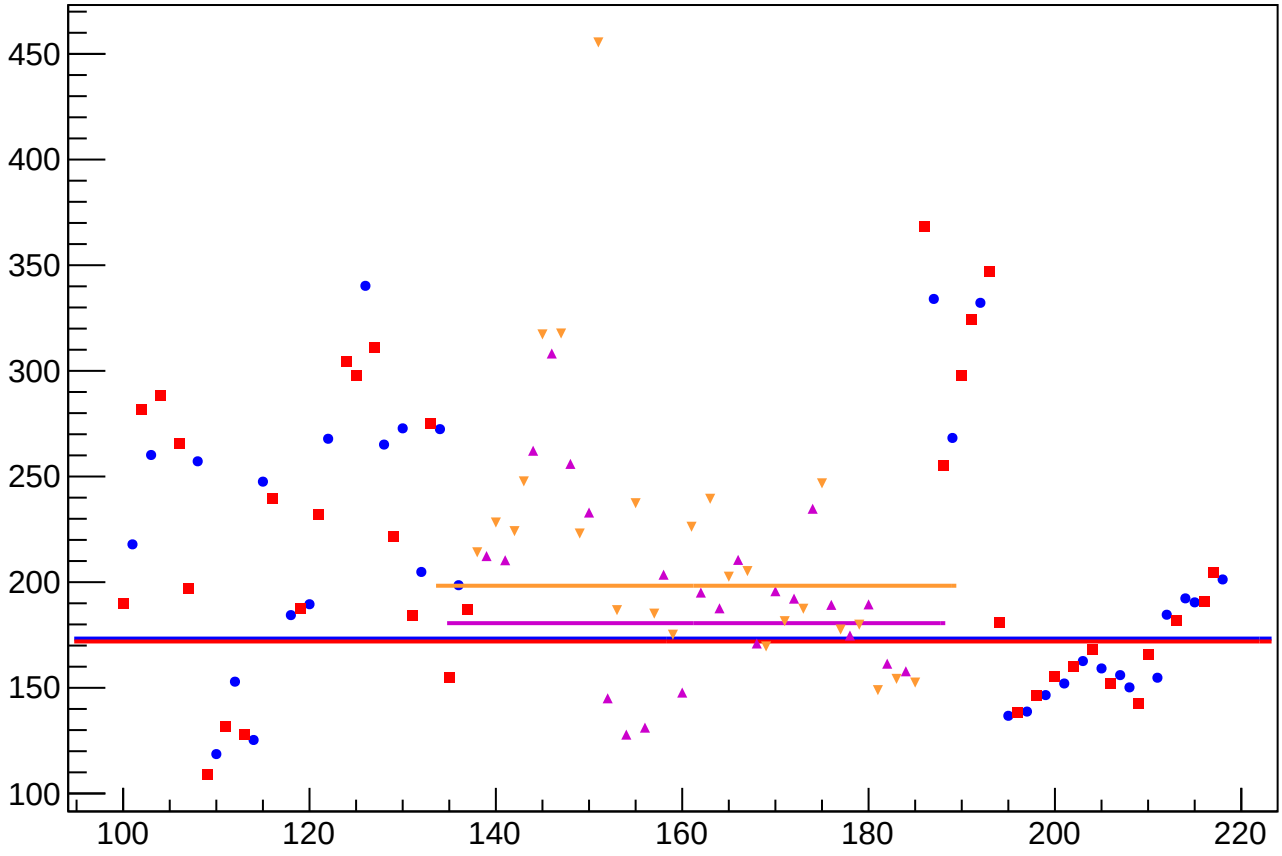
Left In: -122.376+/-44.081 χ^2/NDF:7.9/22

\+ sign -66.364+/-30.417 χ^2/NDF: 80.2/56

All: 11.781+/-21.200 χ^2/NDF: 183.2/115

\- sign 85.606+/-29.564 χ^2/NDF: 90.2/58

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs Slug



Right In: 173.305+/-0.028 χ^2/NDF: 2341473.6/31

Left Out: 198.313+/-0.033 χ^2/NDF:1790279.4/24

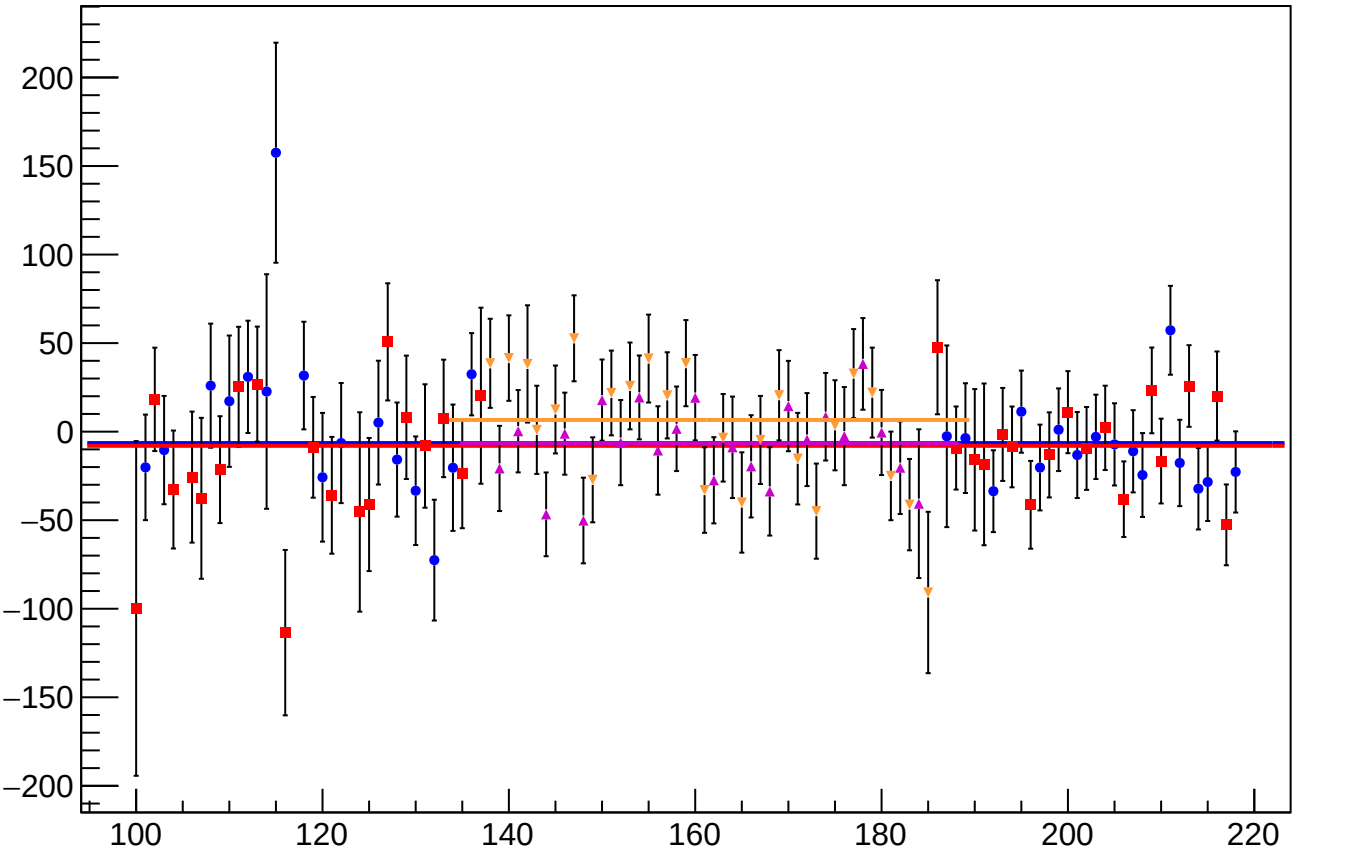
Right Out: 171.934+/-0.028 χ^2/NDF: 3001065.9/35

Left In: 180.601+/-0.031 χ^2/NDF:1628072.3/22

+ sign 183.908+/-0.022 χ^2/NDF: 4461926.6/56

All: 179.755+/-0.015 χ^2/NDF: 9206099.4/115

- sign 175.832+/-0.021 χ^2/NDF: 4671683.7/58



Right In: -6.451+/-4.937 χ^2/NDF: 32.1/31

Left Out: 6.611+/-5.117 χ^2/NDF:36.9/24

Right Out: -7.993+/-4.896 χ^2/NDF: 32.5/35

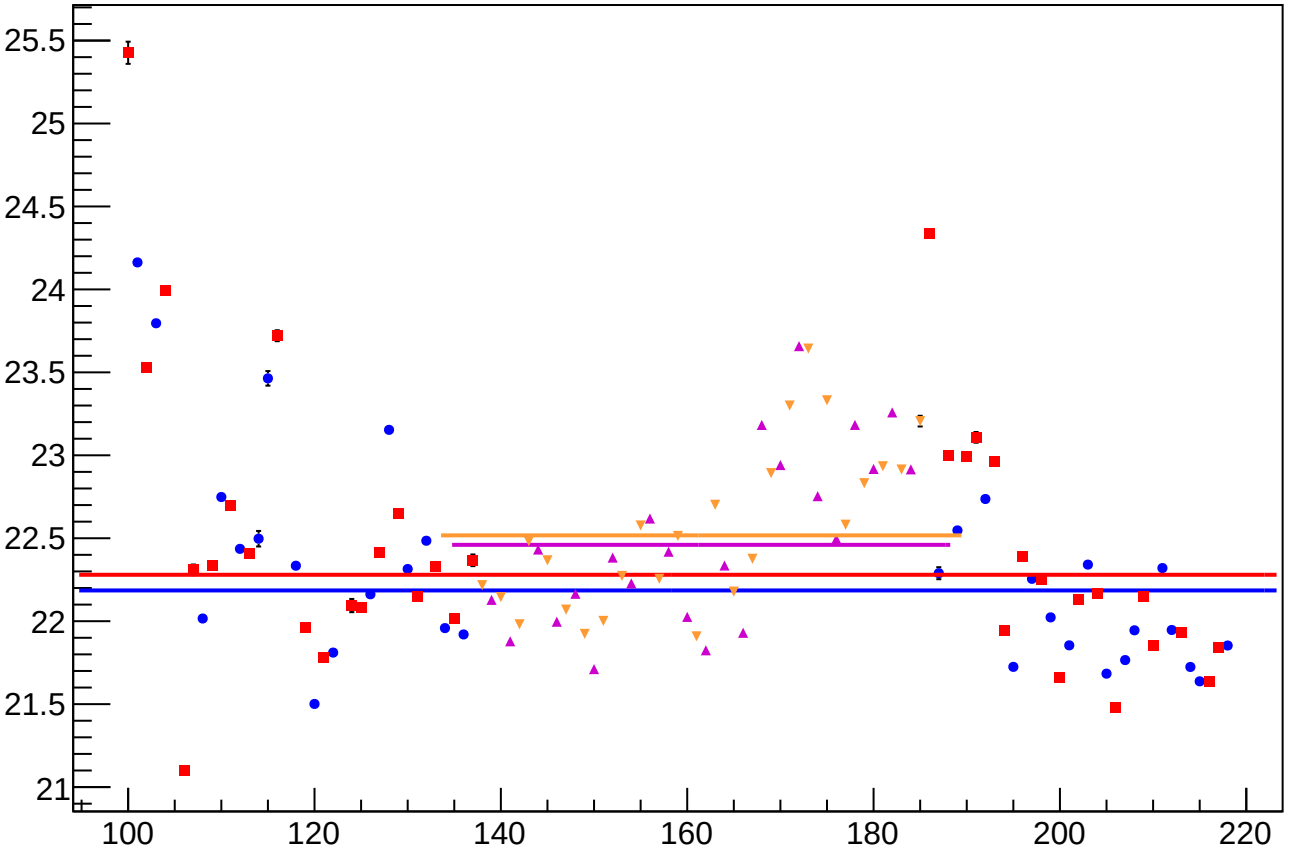
Left In: -6.482+/-5.247 χ^2/NDF:17.4/22

+ sign -0.154+/-3.553 χ^2/NDF: 72.4/56

All: -3.695+/-2.522 χ^2/NDF: 124.4/115

- sign -7.290+/-3.580 χ^2/NDF: 50.0/58

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs Slug



Right In: 22.185+/-0.003 χ^2/NDF: 26490.2/31

Left Out: 22.517+/-0.004 χ^2/NDF:16002.5/24

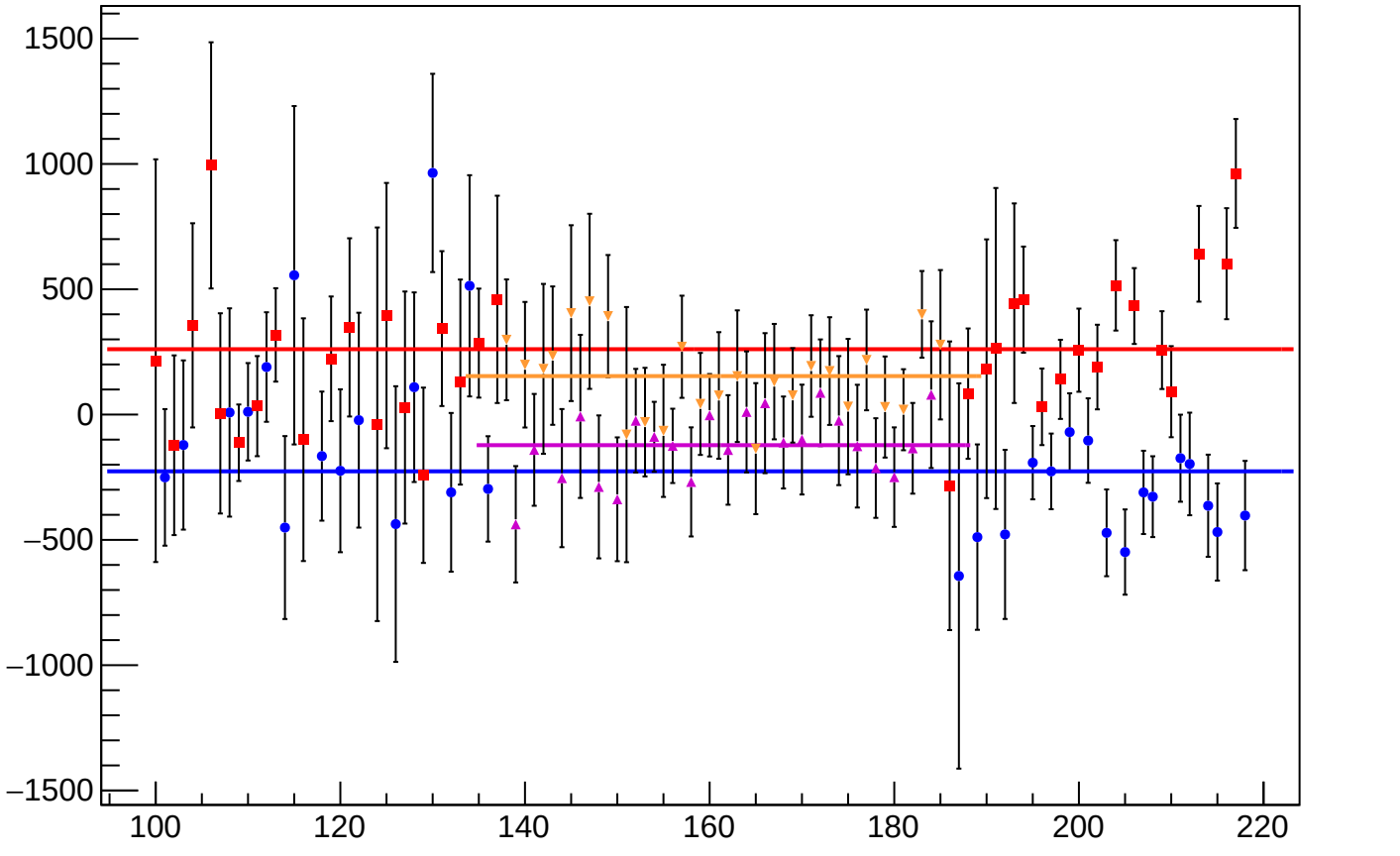
Right Out: 22.280+/-0.003 χ^2/NDF: 35171.8/35

Left In: 22.460+/-0.004 χ^2/NDF:19117.2/22

+ sign 22.345+/-0.003 χ^2/NDF: 46854.1/56

All: 22.355+/-0.002 χ^2/NDF: 102434.0/115

- sign 22.364+/-0.003 χ^2/NDF: 55553.4/58



Right In: -226.488+/-39.962 χ^2/NDF: 32.5/31

Left Out: 153.507+/-46.636 χ^2/NDF:10.1/24

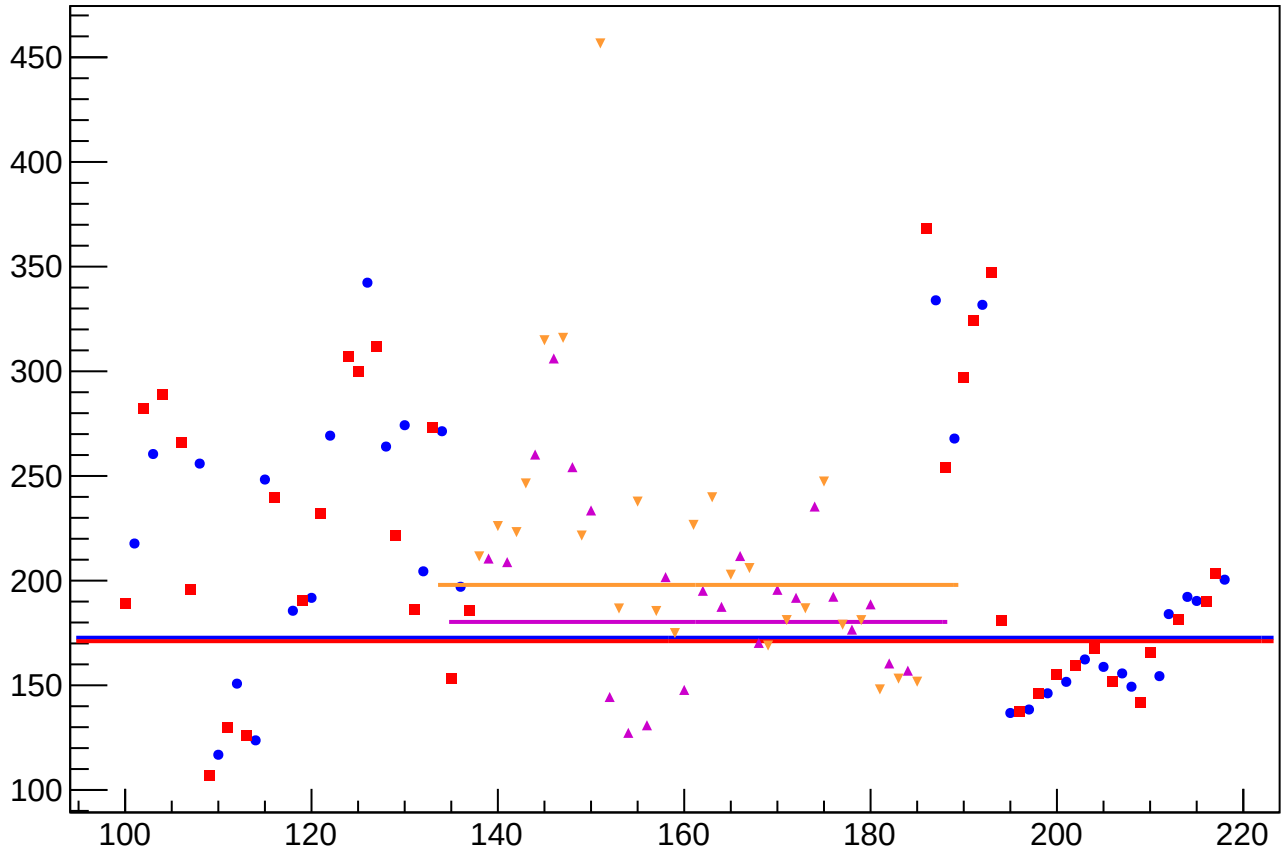
Right Out: 260.791+/-39.697 χ^2/NDF: 41.2/35

Left In: -122.165+/-44.006 χ^2/NDF:7.5/22

+ sign -65.603+/-30.345 χ^2/NDF: 80.9/56

All: 13.931+/-21.143 χ^2/NDF: 184.7/115

- sign 88.975+/-29.476 χ^2/NDF: 90.5/58



Right In: 172.731+/-0.028 χ^2/NDF: 2373287.4/31

Left Out: 197.957+/-0.033 χ^2/NDF:1791354.6/24

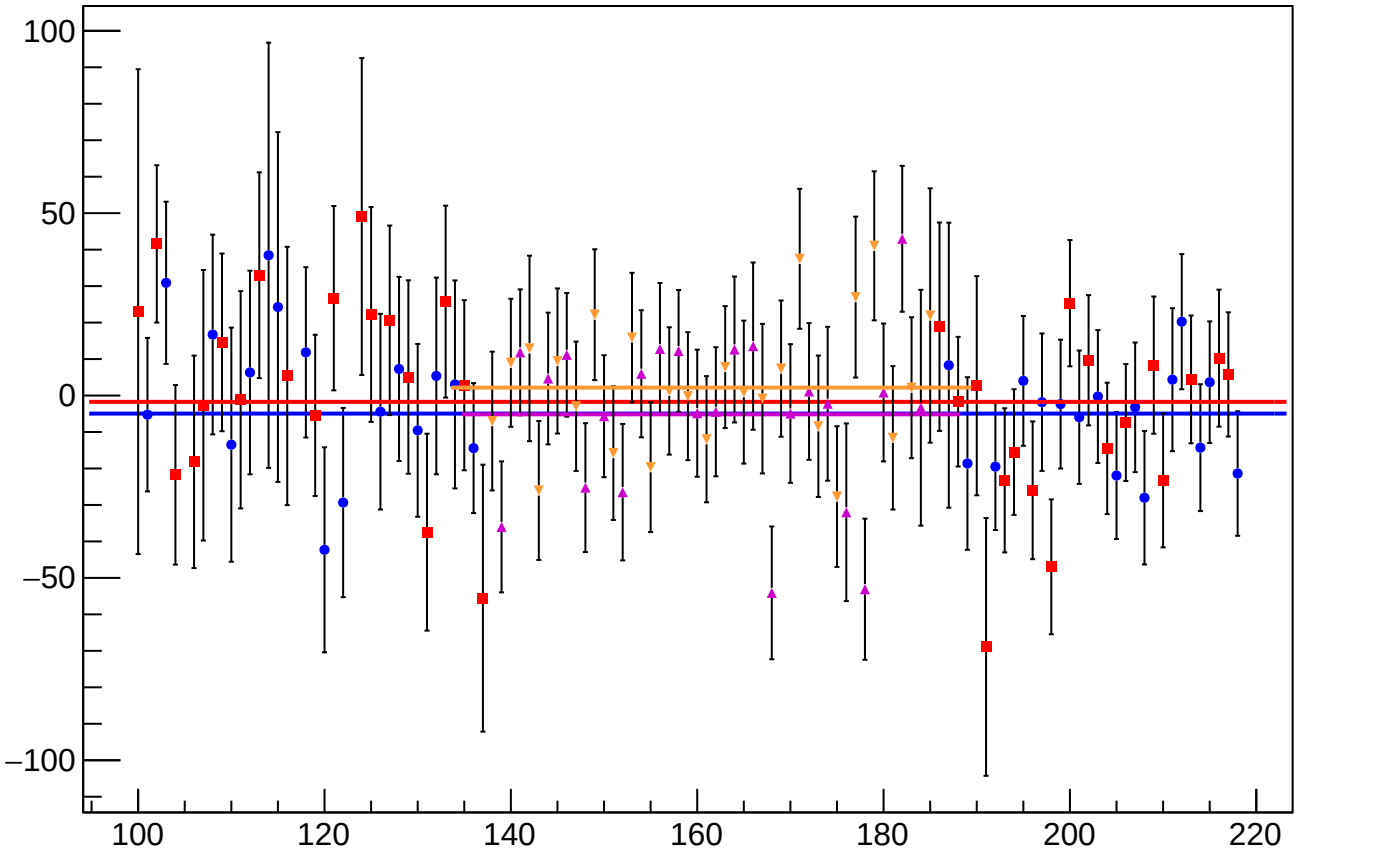
Right Out: 171.074+/-0.028 χ^2/NDF: 3072547.0/35

Left In: 180.274+/-0.031 χ^2/NDF:1624682.7/22

+ sign 183.411+/-0.021 χ^2/NDF: 4502078.0/56

All: 179.187+/-0.015 χ^2/NDF: 9322828.5/115

- sign 175.202+/-0.021 χ^2/NDF: 4745431.8/58



Right In: -4.950+/-3.782 χ^2/NDF: 16.0/31

Left Out: 2.174+/-3.825 χ^2/NDF:20.0/24

Right Out: -1.733+/-3.749 χ^2/NDF: 35.8/35

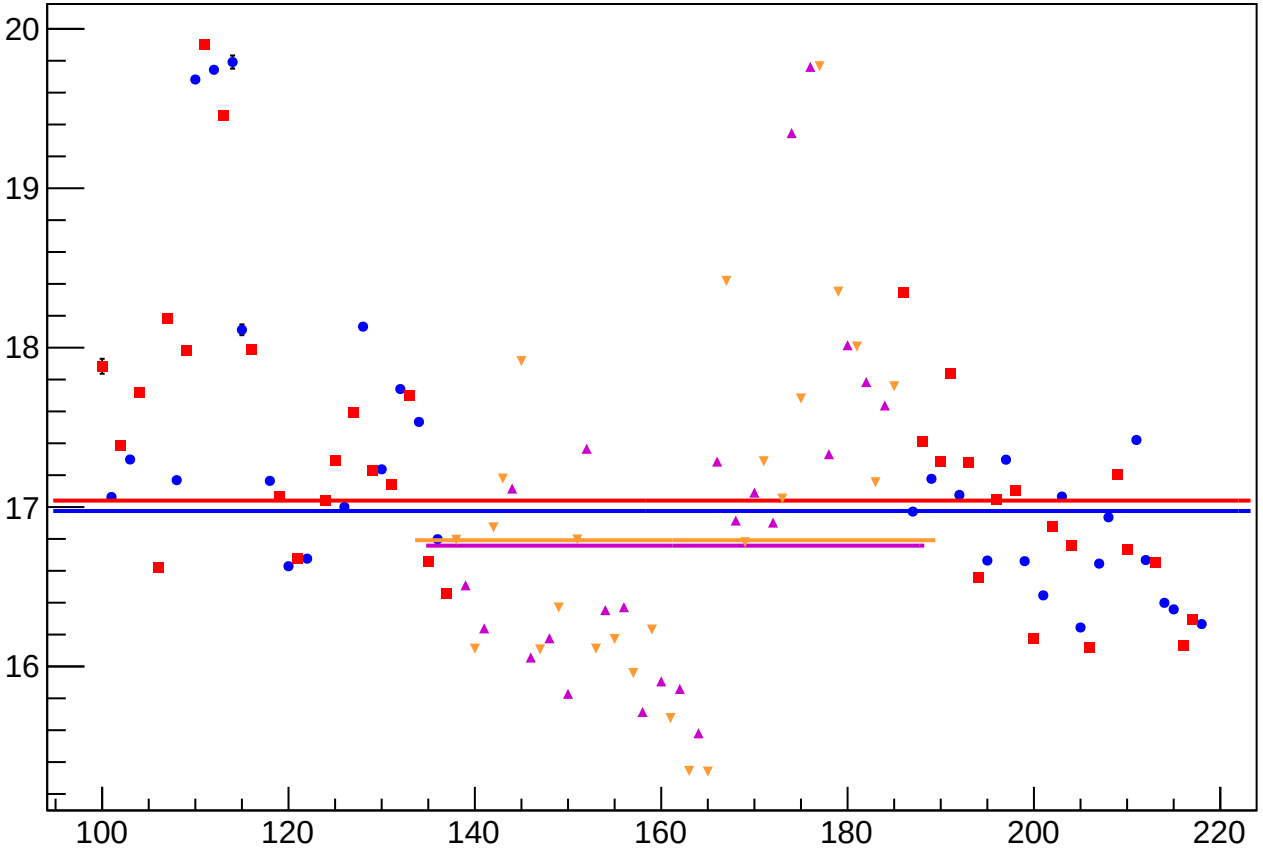
Left In: -5.150+/-3.924 χ^2/NDF:32.3/22

+ sign -1.429+/-2.689 χ^2/NDF: 37.7/56

All: -2.388+/-1.909 χ^2/NDF: 106.4/115

- sign -3.364+/-2.711 χ^2/NDF: 68.5/58

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs Slug



Right In: 16.975+/-0.003 χ^2/NDF: 65937.7/31

Left Out: 16.792+/-0.003 χ^2/NDF:137000.5/24

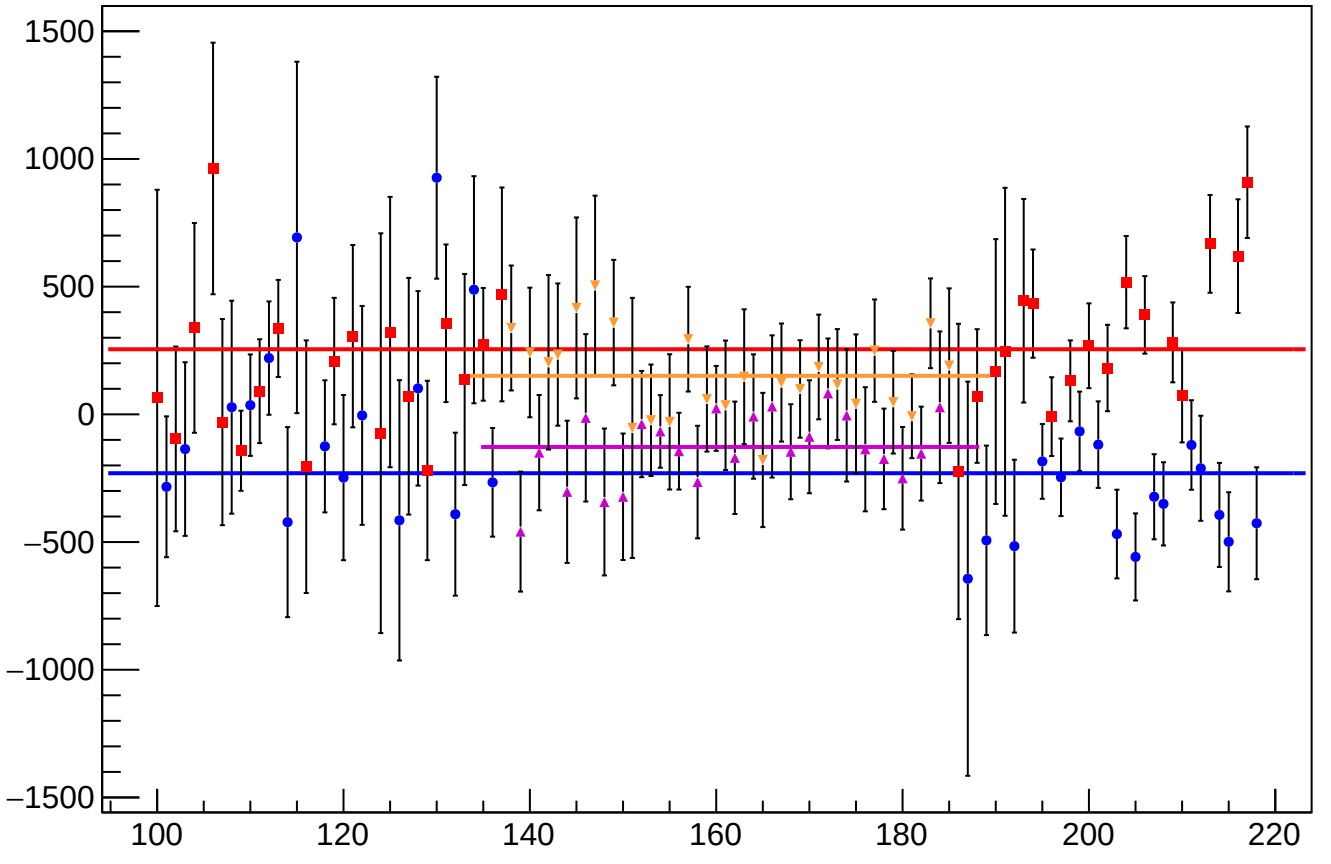
Right Out: 17.040+/-0.003 χ^2/NDF: 76658.4/35

Left In: 16.758+/-0.003 χ^2/NDF:123306.8/22

+ sign 16.885+/-0.002 χ^2/NDF: 205261.3/56

All: 16.895+/-0.001 χ^2/NDF: 410712.2/115

- sign 16.906+/-0.002 χ^2/NDF: 205391.0/58



Right In: -230.479+/-40.193 χ^2/NDF: 34.6/31

Left Out: 150.884+/-47.035 χ^2/NDF:10.0/24

Right Out: 254.916+/-39.981 χ^2/NDF: 40.5/35

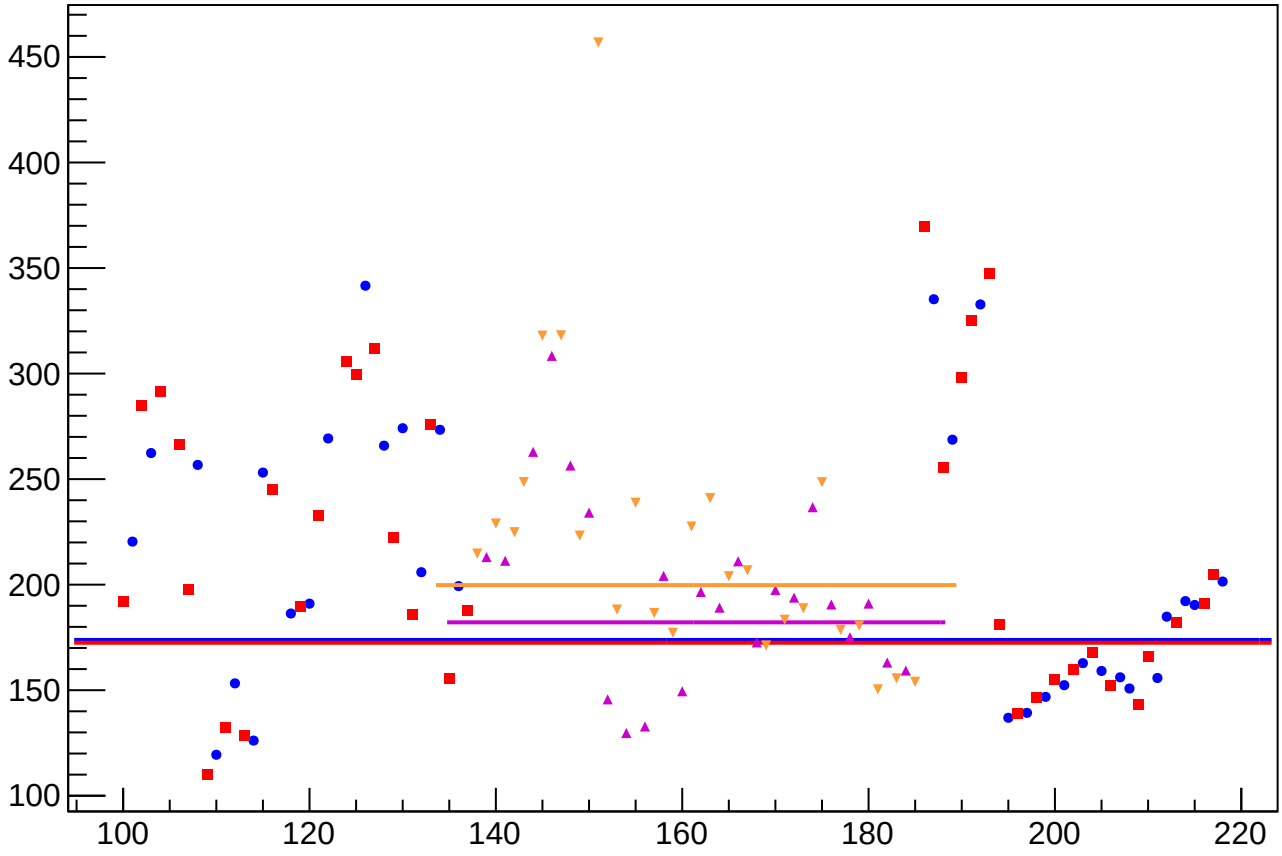
Left In: -127.710+/-44.426 χ^2/NDF:7.8/22

\+ sign -69.528+/-30.556 χ^2/NDF: 82.6/56

All: 9.215+/-21.304 χ^2/NDF: 184.9/115

\- sign 83.699+/-29.718 χ^2/NDF: 89.4/58

asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs Slug



Right In: 173.804+/-0.028 χ^2/NDF: 2347149.8/31

Left Out: 199.785+/-0.033 χ^2/NDF:1760326.2/24

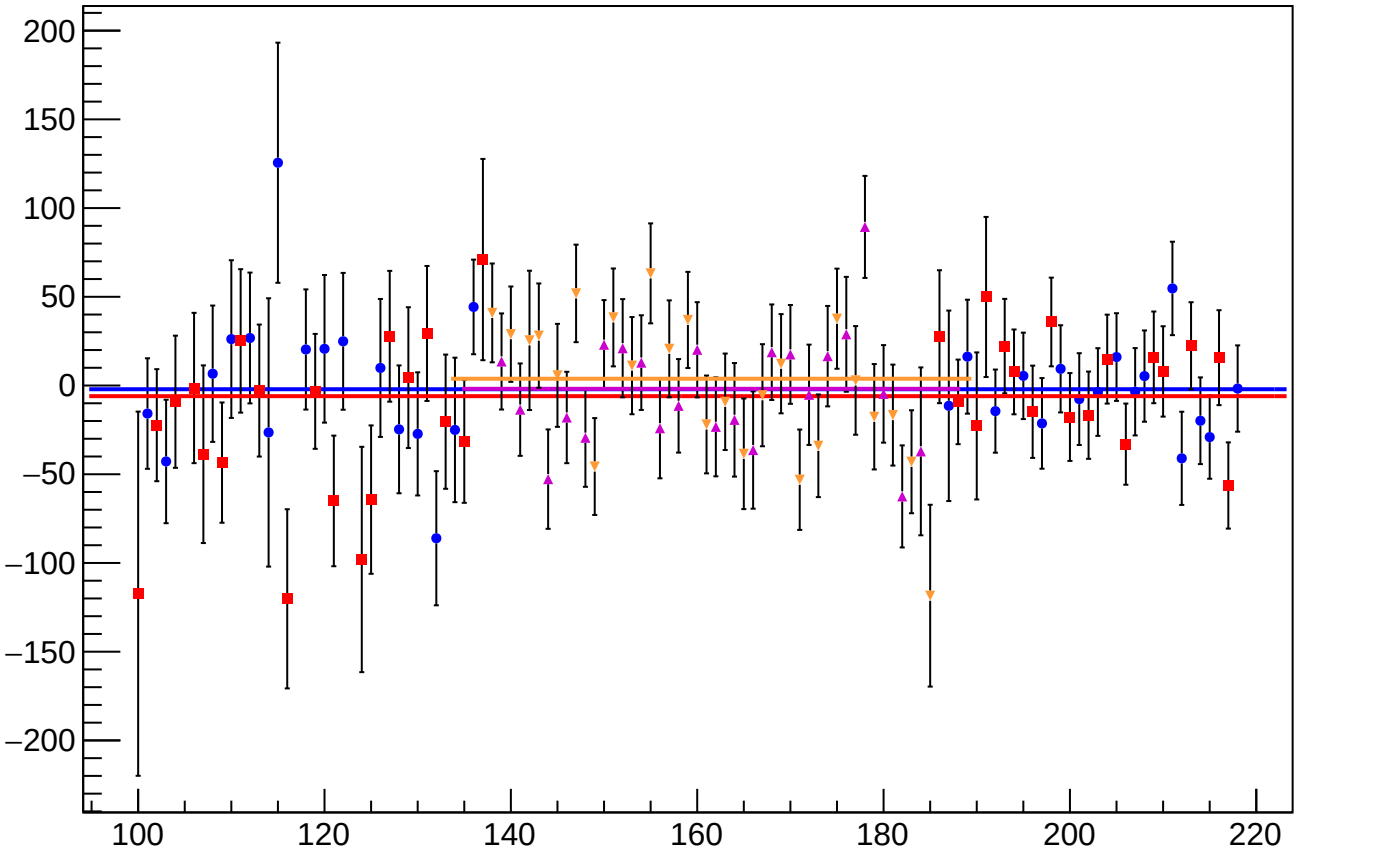
Right Out: 172.490+/-0.028 χ^2/NDF: 3002213.1/35

Left In: 182.150+/-0.031 χ^2/NDF:1584358.1/22

+ sign 184.769+/-0.022 χ^2/NDF: 4460155.7/56

All: 180.680+/-0.015 χ^2/NDF: 9168669.6/115

- sign 176.812+/-0.021 χ^2/NDF: 4638824.1/58



Right In: -2.090+/-5.323 χ^2/NDF: 27.7/31

Left Out: 3.831+/-5.789 χ^2/NDF:37.6/24

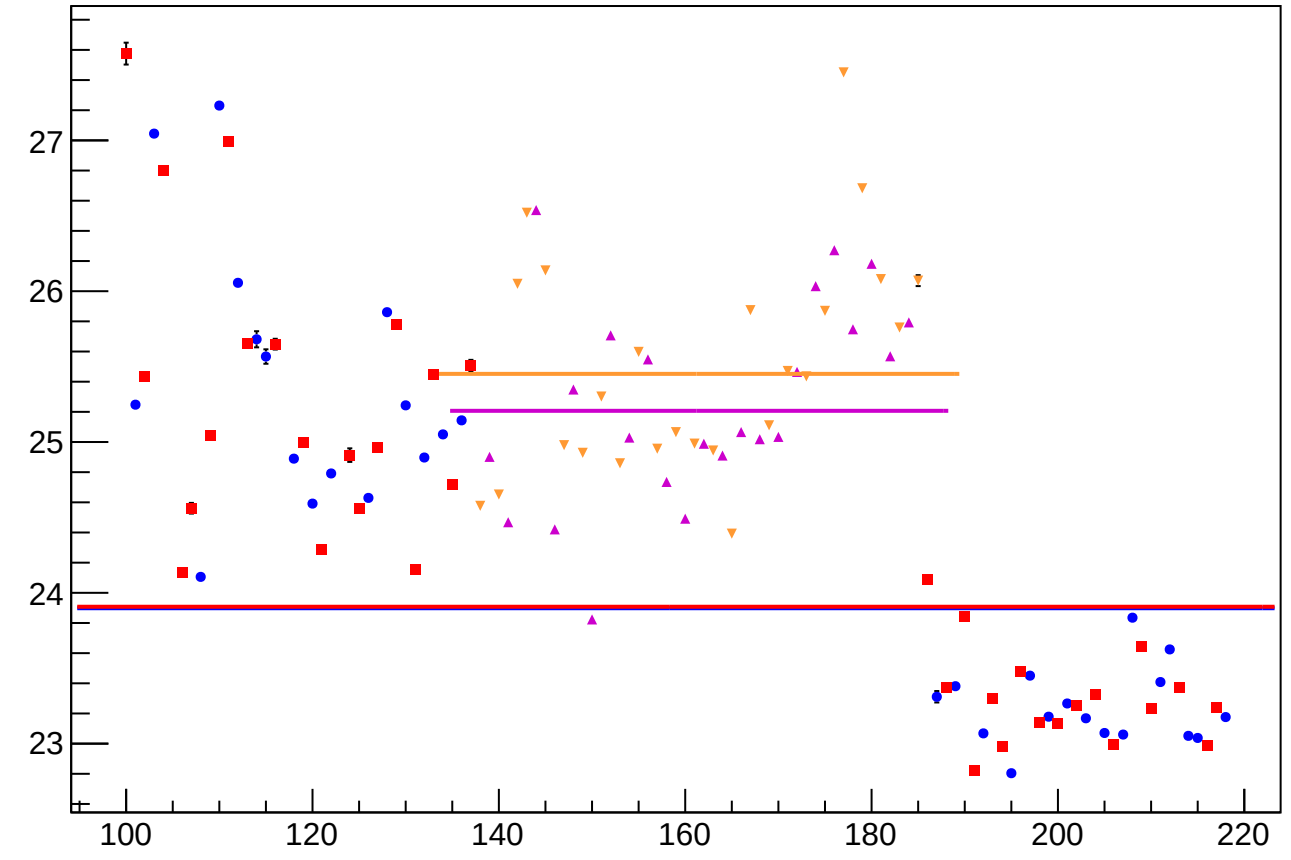
Right Out: -5.997+/-5.259 χ^2/NDF: 36.4/35

Left In: -1.850+/-5.893 χ^2/NDF:28.1/22

+ sign 0.623+/-3.918 χ^2/NDF: 65.9/56

All: -1.765+/-2.773 χ^2/NDF: 131.4/115

- sign -4.159+/-3.924 χ^2/NDF: 64.8/58



Right In: 23.898+/-0.004 χ^2/NDF: 85870.3/31

Left Out: 25.452+/-0.004 χ^2/NDF:29612.4/24

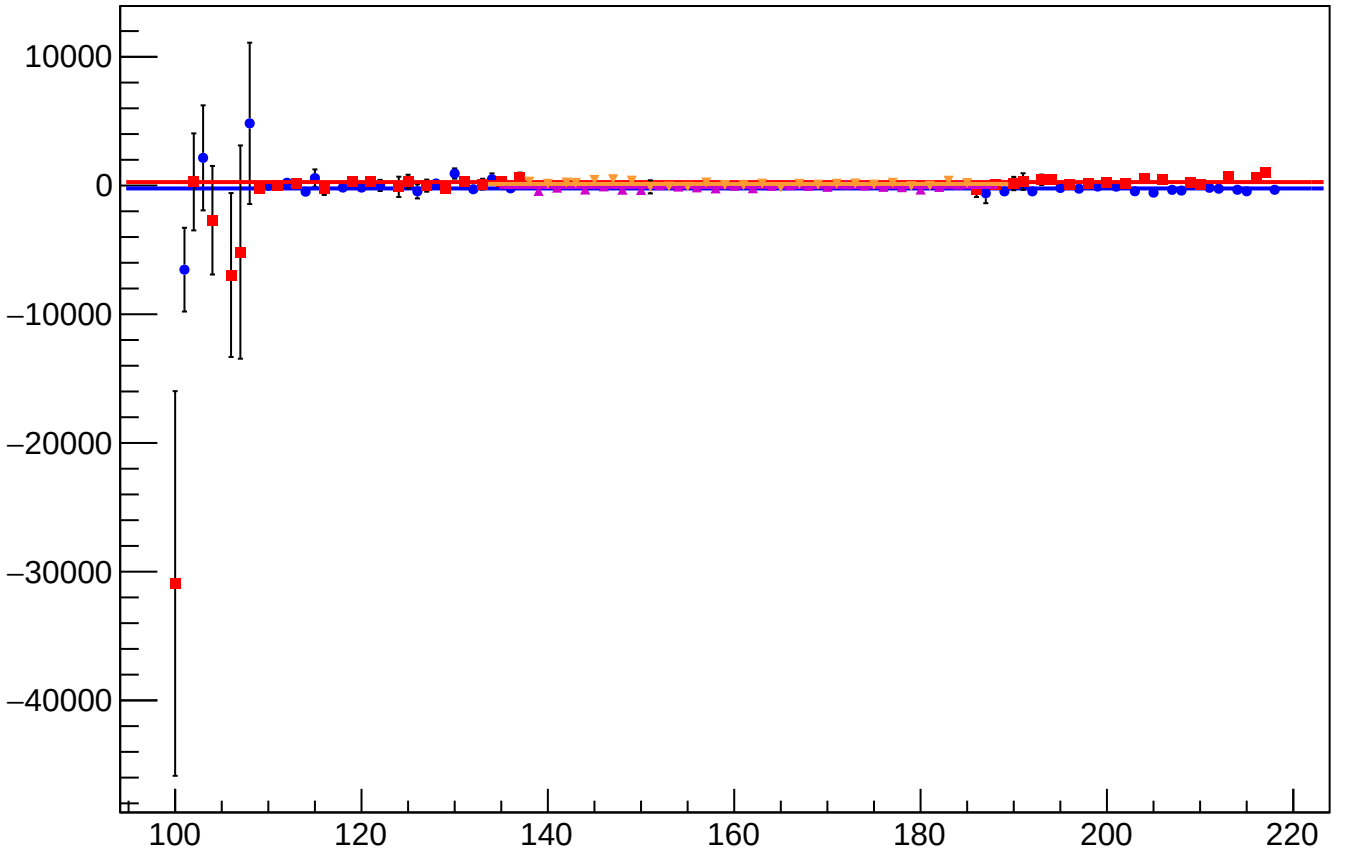
Right Out: 23.908+/-0.004 χ^2/NDF: 78781.8/35

Left In: 25.207+/-0.004 χ^2/NDF:25827.4/22

+ sign 24.610+/-0.003 χ^2/NDF: 193568.6/56

All: 24.547+/-0.002 χ^2/NDF: 353325.0/115

- sign 24.484+/-0.003 χ^2/NDF: 158719.0/58



Right In: -225.728+/-41.812 χ^2/NDF: 35.3/31

Left Out: 125.161+/-46.925 χ^2/NDF:11.1/24

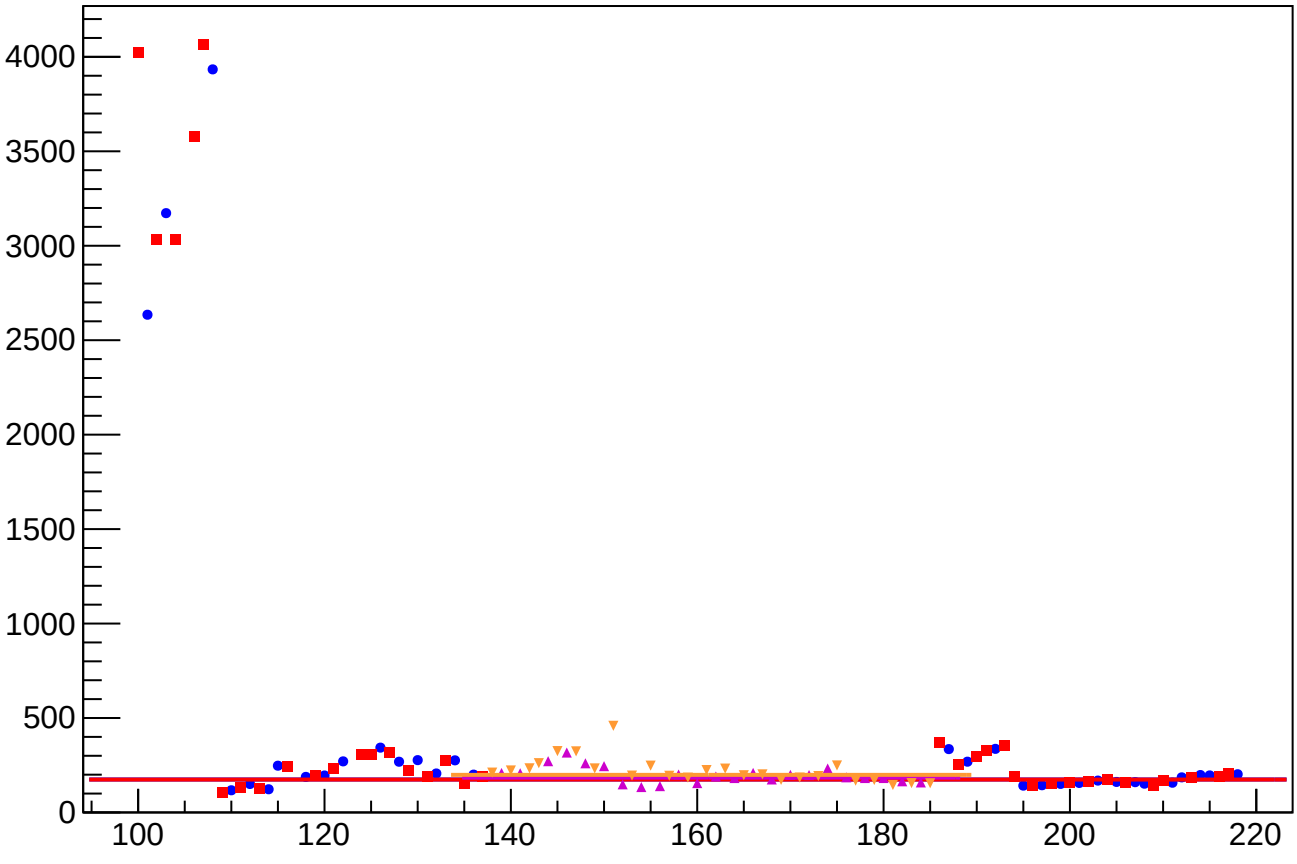
Right Out: 269.373+/-42.040 χ^2/NDF: 45.6/35

Left In: -117.291+/-44.871 χ^2/NDF:8.0/22

+ sign -70.436+/-31.217 χ^2/NDF: 77.6/56

All: 10.476+/-21.881 χ^2/NDF: 183.9/115

- sign 88.622+/-30.679 χ^2/NDF: 93.1/58



Right In: 174.551+/-0.030 χ^2/NDF: 4969849.2/31

Left Out: 198.994+/-0.033 χ^2/NDF:1902155.1/24

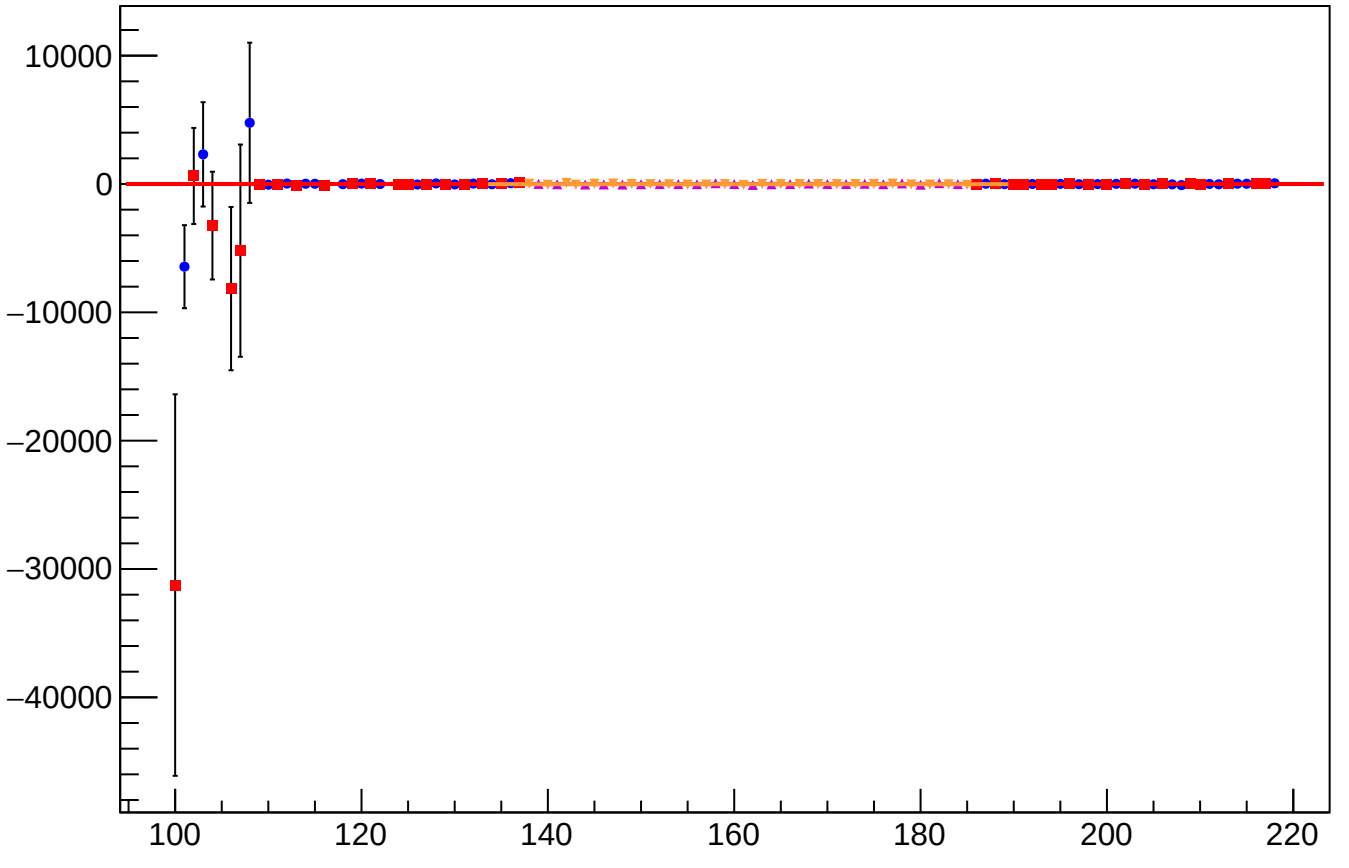
Right Out: 174.088+/-0.030 χ^2/NDF: 5647435.6/35

Left In: 184.399+/-0.032 χ^2/NDF:1446306.0/22

+ sign 185.369+/-0.022 χ^2/NDF: 7174483.6/56

All: 182.082+/-0.015 χ^2/NDF: 14368036.0/11

- sign 178.908+/-0.022 χ^2/NDF: 7149974.9/58



Right In: 1.098+/-6.357 χ^2/NDF: 34.2/31

Left Out: -14.827+/-6.512 χ^2/NDF:22.2/24

Right Out: -2.291+/-6.339 χ^2/NDF: 43.3/35

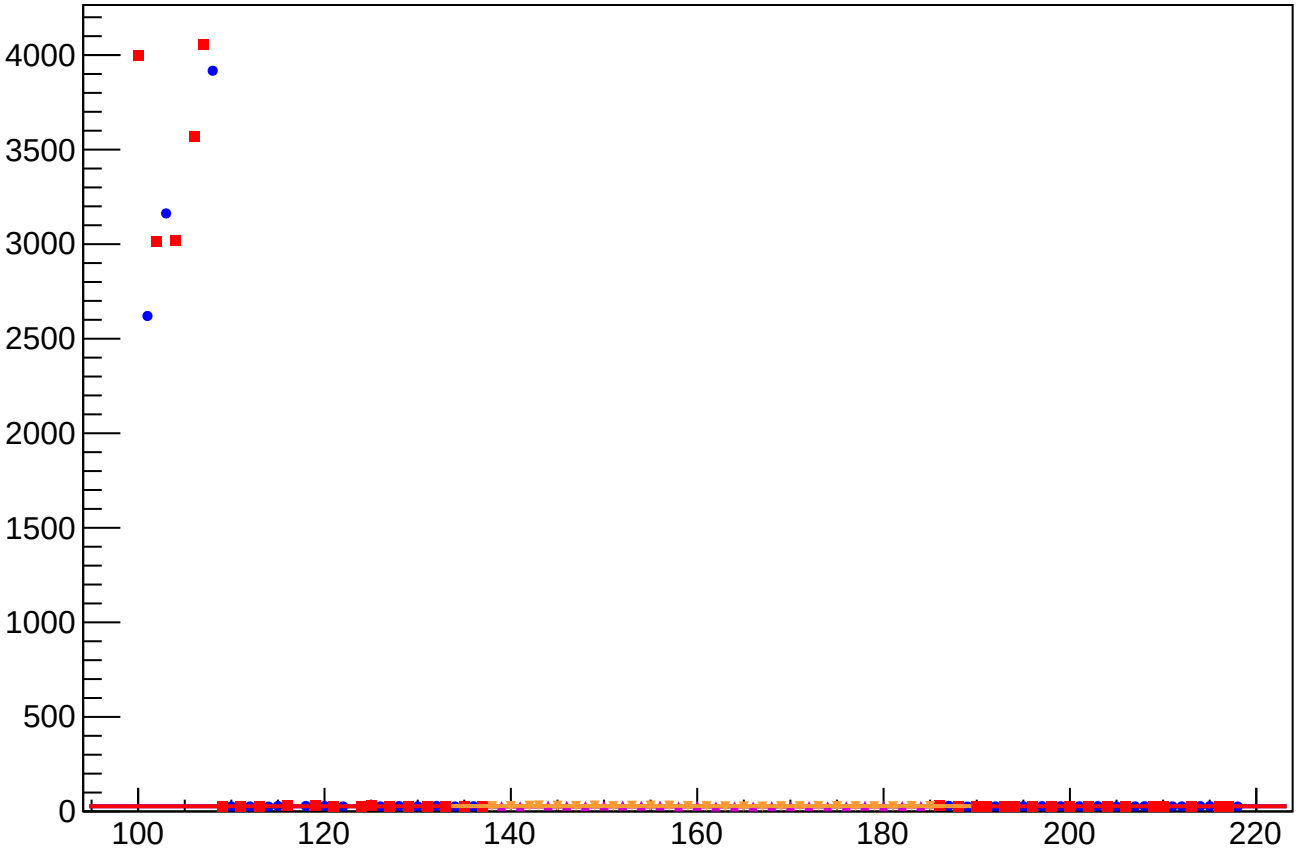
Left In: -2.172+/-6.703 χ^2/NDF:28.3/22

+ sign -6.674+/-4.549 χ^2/NDF: 59.6/56

All: -4.482+/-3.237 χ^2/NDF: 131.6/115

- sign -2.235+/-4.606 χ^2/NDF: 71.6/58

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs Slug



Right In: 27.370+/-0.004 χ^2/NDF: 3287250.6/31

Left Out: 28.586+/-0.005 χ^2/NDF:88130.9/24

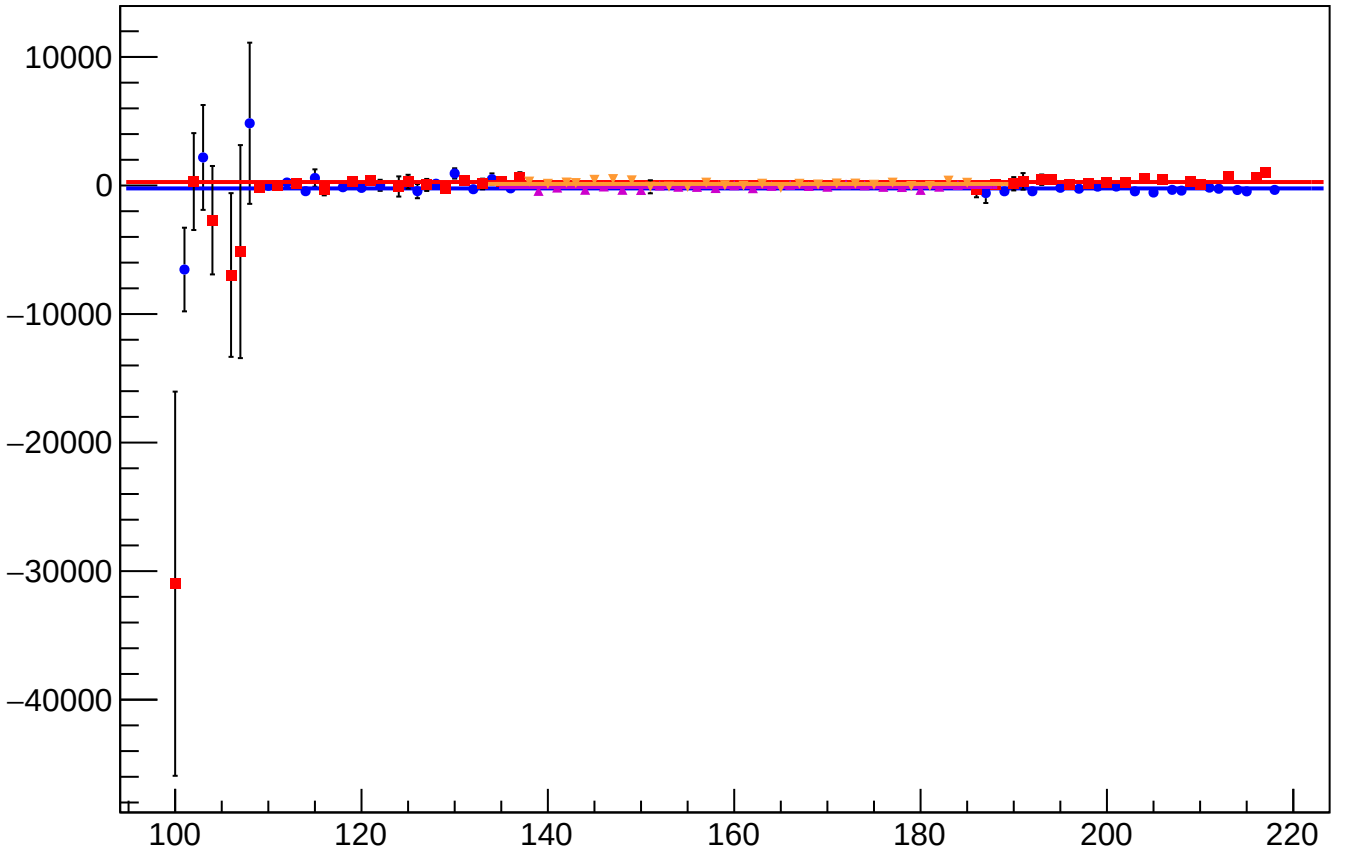
Right Out: 27.323+/-0.004 χ^2/NDF: 3597236.5/35

Left In: 28.606+/-0.005 χ^2/NDF:122928.2/22

+ sign 27.963+/-0.003 χ^2/NDF: 3411083.7/56

All: 27.946+/-0.002 χ^2/NDF: 7169979.0/115

- sign 27.929+/-0.003 χ^2/NDF: 3758838.1/58



Right In: -227.501+/-41.691 χ^2/NDF: 35.9/31

Left Out: 121.915+/-46.825 χ^2/NDF:12.0/24

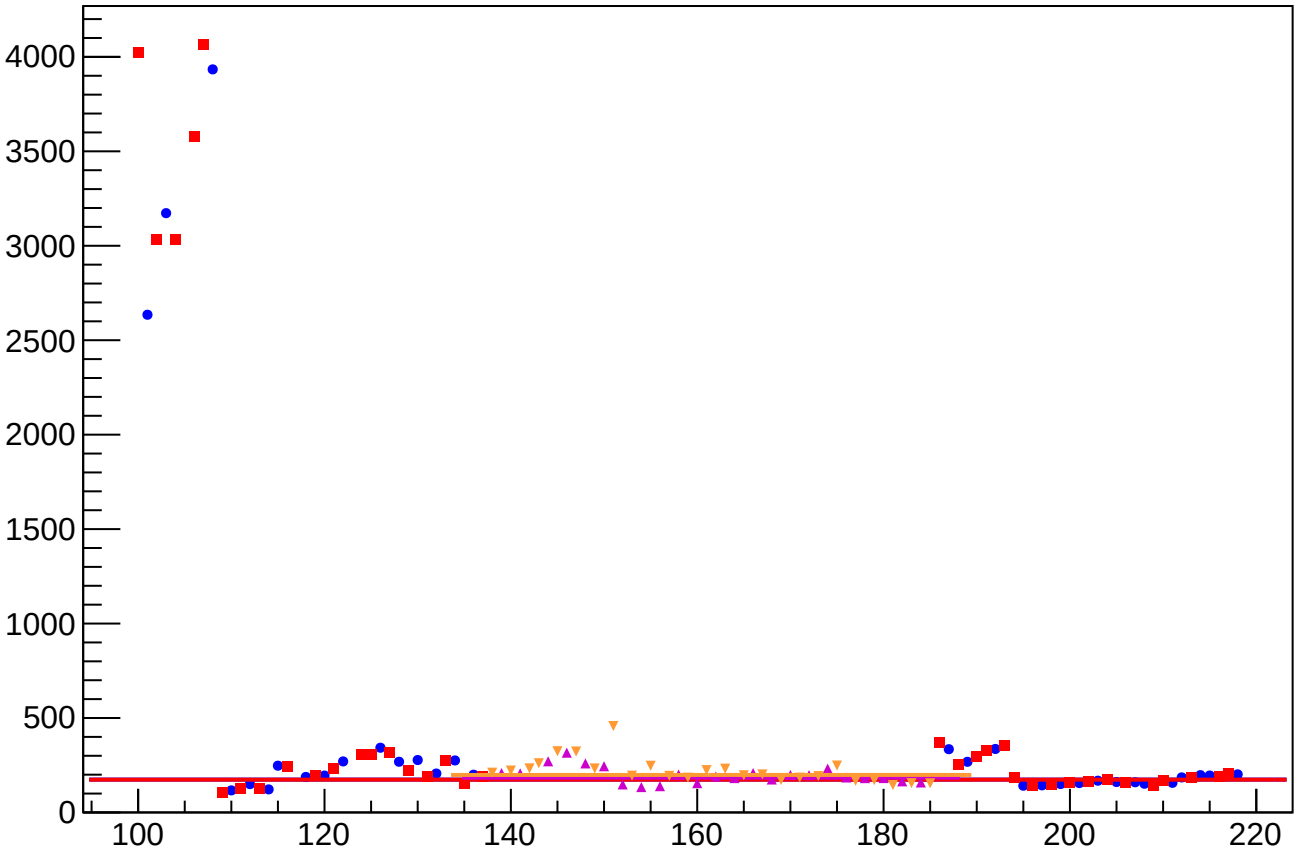
Right Out: 270.297+/-41.922 χ^2/NDF: 46.6/35

Left In: -116.243+/-44.786 χ^2/NDF:8.4/22

+ sign -72.993+/-31.137 χ^2/NDF: 79.0/56

All: 9.794+/-21.827 χ^2/NDF: 187.6/115

- sign 89.780+/-30.606 χ^2/NDF: 94.7/58



Right In: 174.010+/-0.029 χ^2/NDF: 4983632.2/31

Left Out: 198.571+/-0.033 χ^2/NDF:1901504.1/24

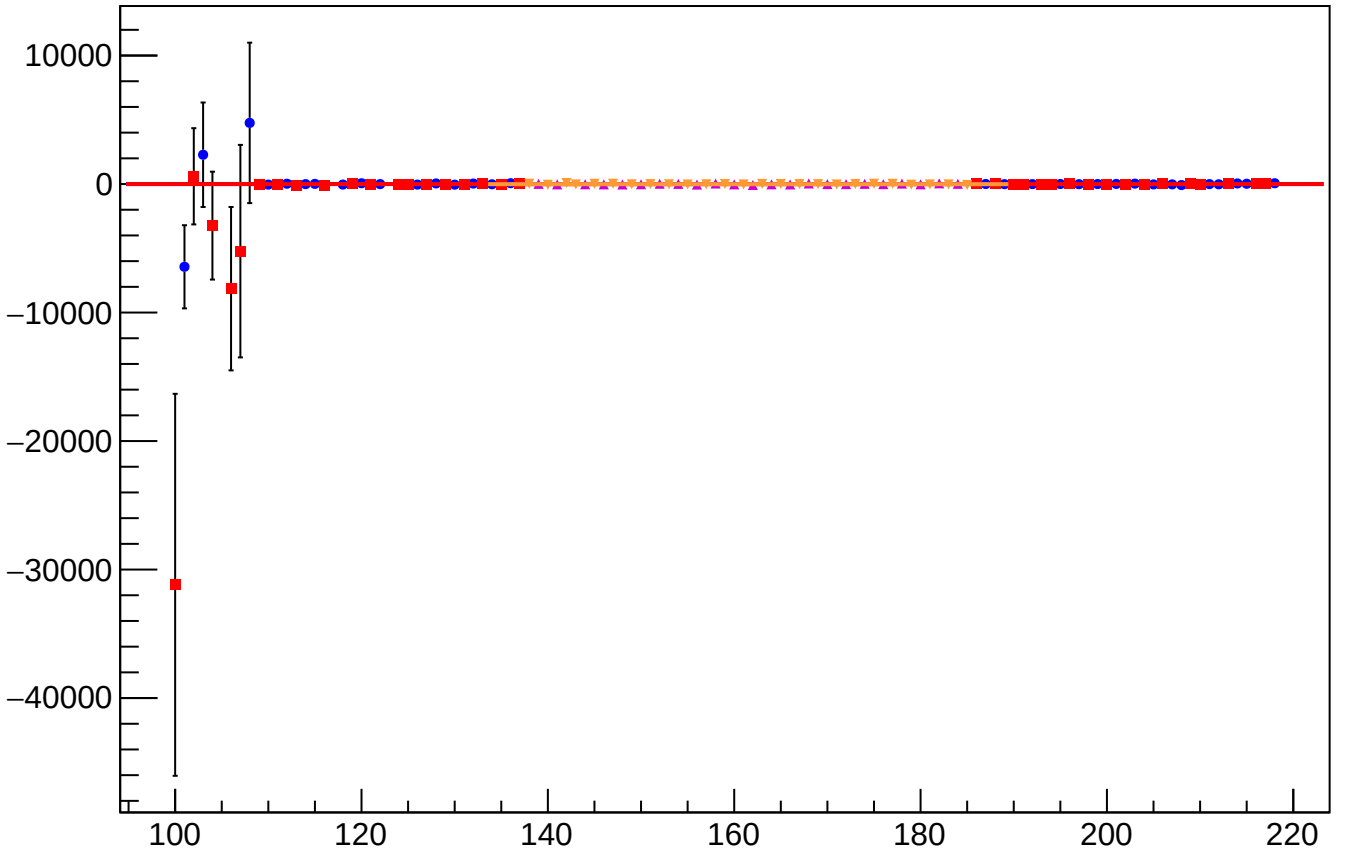
Right Out: 173.552+/-0.030 χ^2/NDF: 5666477.8/35

Left In: 184.051+/-0.032 χ^2/NDF:1445426.0/22

+ sign 184.871+/-0.022 χ^2/NDF: 7192057.8/56

All: 181.608+/-0.015 χ^2/NDF: 14405720.2/11

- sign 178.455+/-0.022 χ^2/NDF: 7170480.9/58



Right In: 1.777+/-6.318 χ^2/NDF: 38.2/31

Left Out: -11.862+/-6.541 χ^2/NDF:17.9/24

Right Out: -3.467+/-6.306 χ^2/NDF: 41.4/35

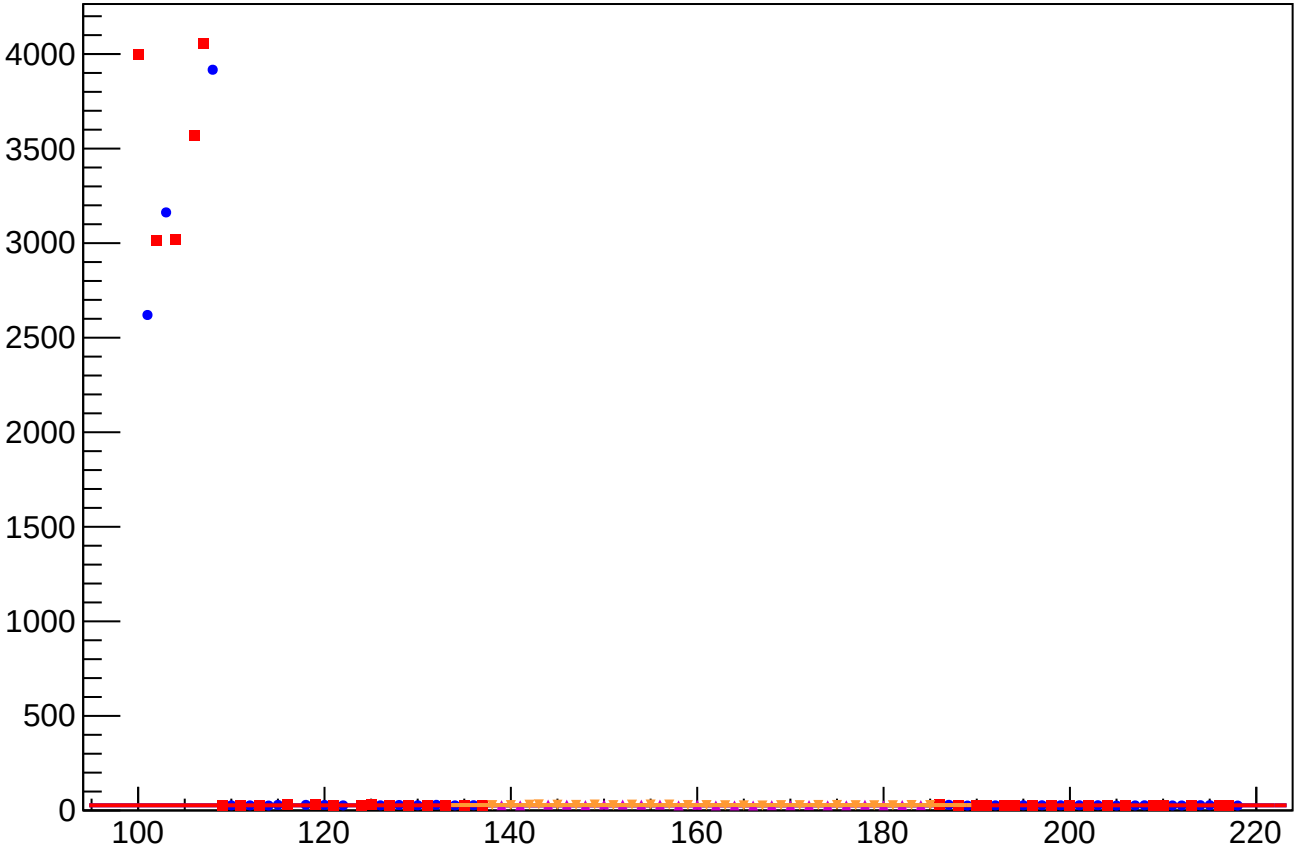
Left In: -2.576+/-6.732 χ^2/NDF:22.2/22

+ sign -4.807+/-4.544 χ^2/NDF: 58.3/56

All: -3.940+/-3.234 χ^2/NDF: 121.9/115

- sign -3.051+/-4.602 χ^2/NDF: 63.6/58

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs Slug



Right In: 27.196+/-0.004 χ^2/NDF: 3295459.4/31

Left Out: 28.707+/-0.005 χ^2/NDF:98865.9/24

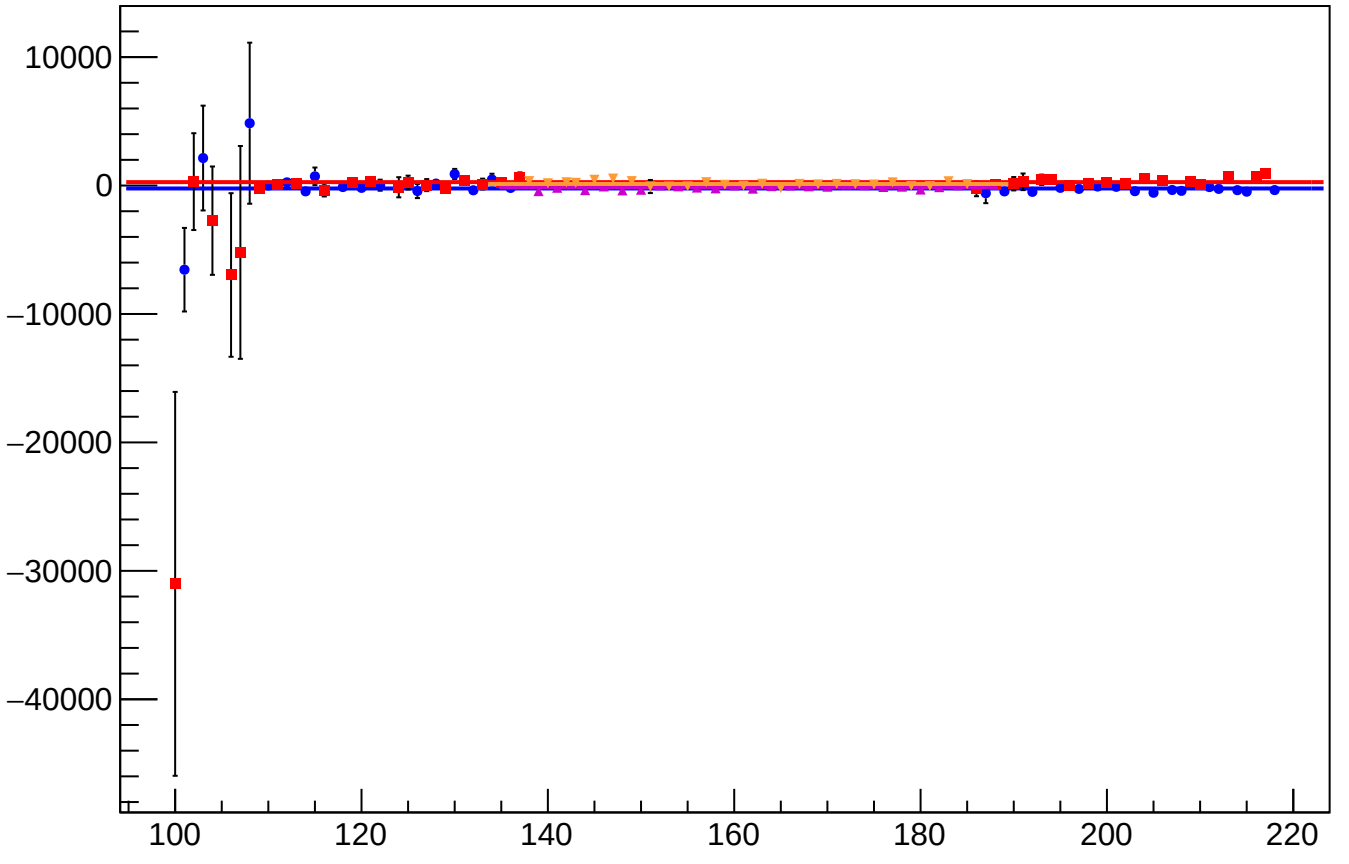
Right Out: 27.178+/-0.004 χ^2/NDF: 3603305.8/35

Left In: 28.728+/-0.005 χ^2/NDF:127383.0/22

\+ sign 27.925+/-0.003 χ^2/NDF: 3449595.5/56

All: 27.914+/-0.002 χ^2/NDF: 7236777.2/115

\- sign 27.902+/-0.003 χ^2/NDF: 3787155.8/58



Right In: -228.794+/-41.986 χ^2/NDF: 37.4/31

Left Out: 122.864+/-47.300 χ^2/NDF:11.3/24

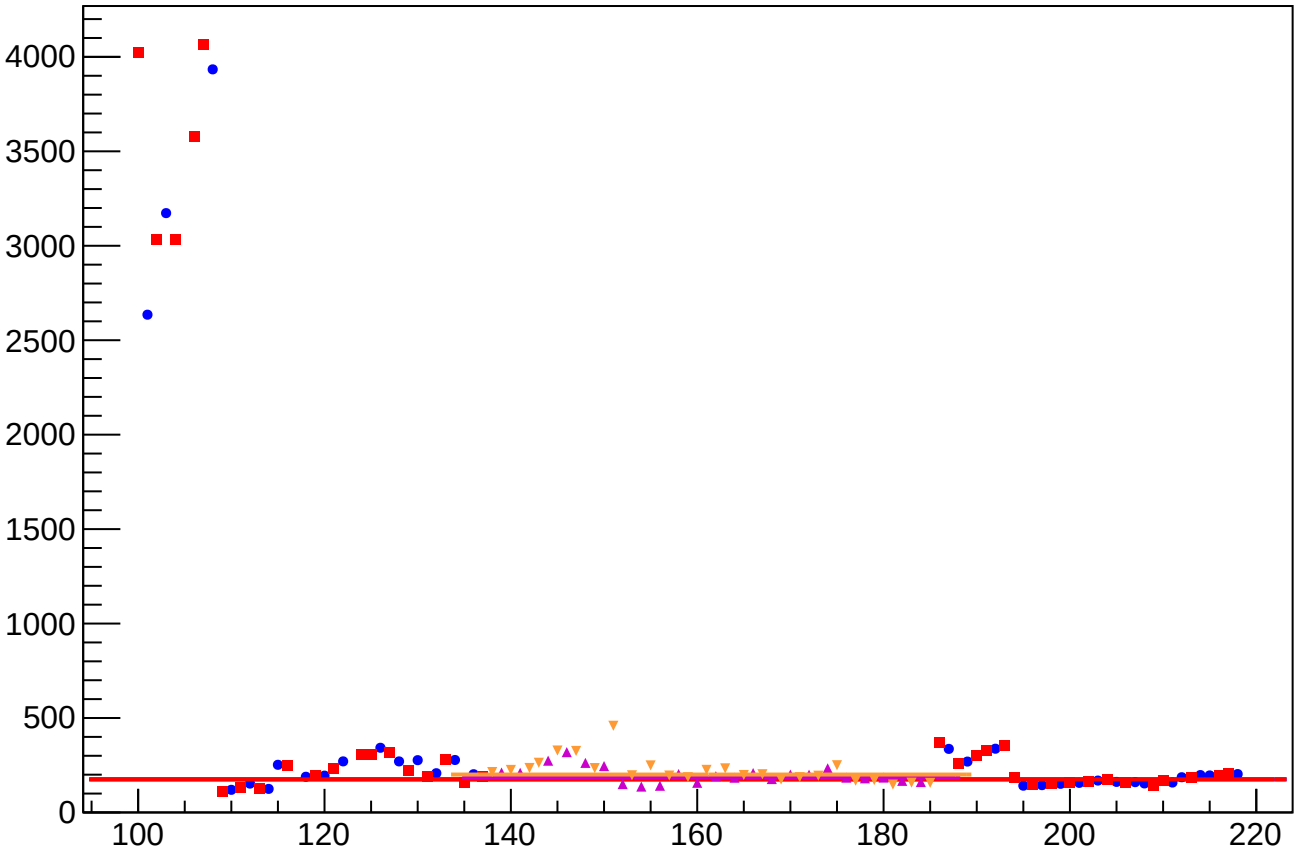
Right Out: 265.603+/-42.236 χ^2/NDF: 44.2/35

Left In: -123.046+/-45.269 χ^2/NDF:8.5/22

+ sign -73.819+/-31.400 χ^2/NDF: 79.7/56

All: 6.774+/-22.018 χ^2/NDF: 184.7/115

- sign 84.731+/-30.882 χ^2/NDF: 92.1/58



Right In: 175.349+/-0.030 χ^2/NDF: 4946146.4/31

Left Out: 200.686+/-0.033 χ^2/NDF:1880083.2/24

Right Out: 175.032+/-0.030 χ^2/NDF: 5602432.3/35

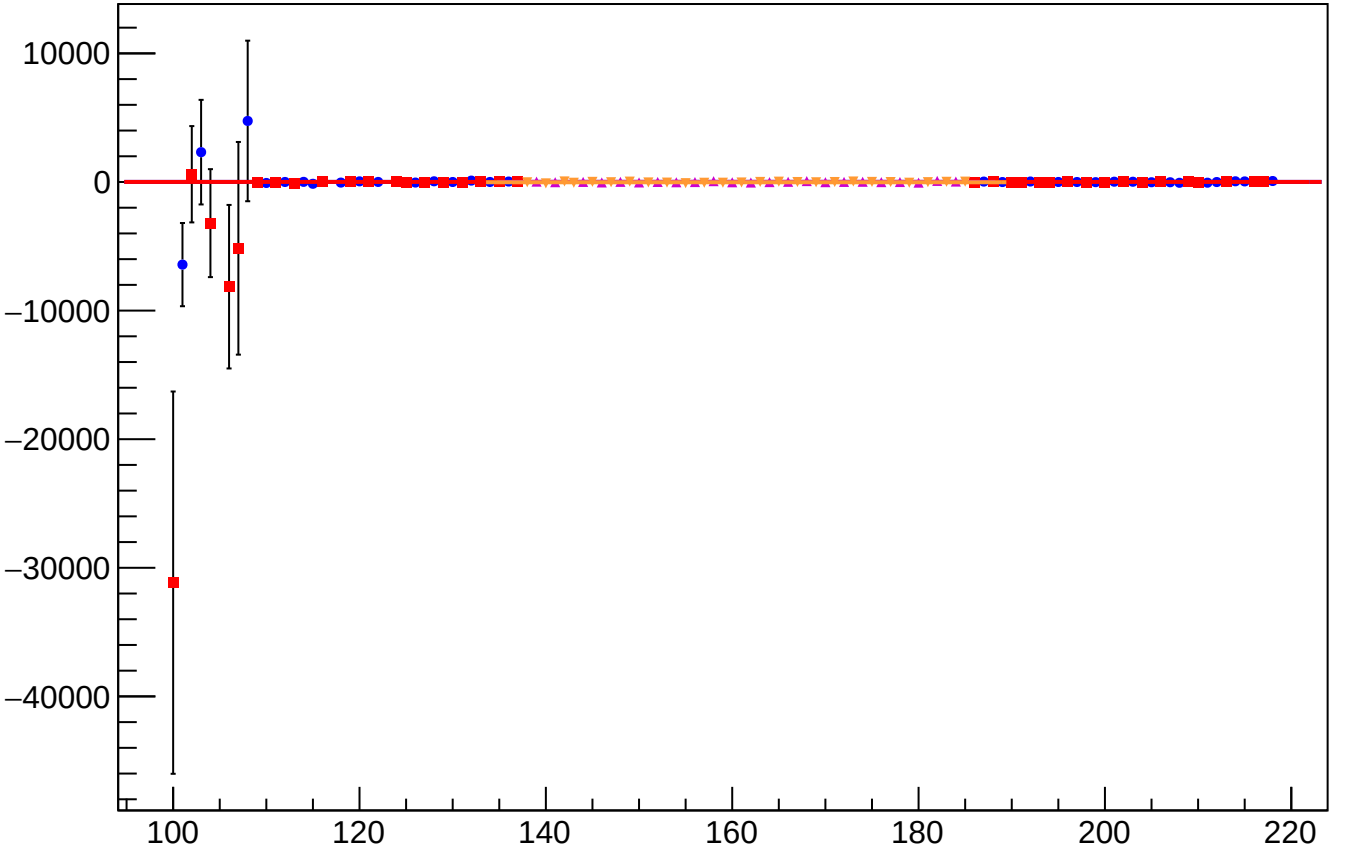
Left In: 186.169+/-0.032 χ^2/NDF:1413387.1/22

+ sign 186.515+/-0.022 χ^2/NDF: 7147194.2/56

All: 183.313+/-0.016 χ^2/NDF: 14268651.6/11

- sign 180.215+/-0.022 χ^2/NDF: 7080534.7/58

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs Slug



Right In: 6.785+/-7.708 χ^2/NDF: 34.2/31

Left Out: -21.228+/-7.835 χ^2/NDF:22.9/24

Right Out: 5.533+/-7.700 χ^2/NDF: 39.1/35

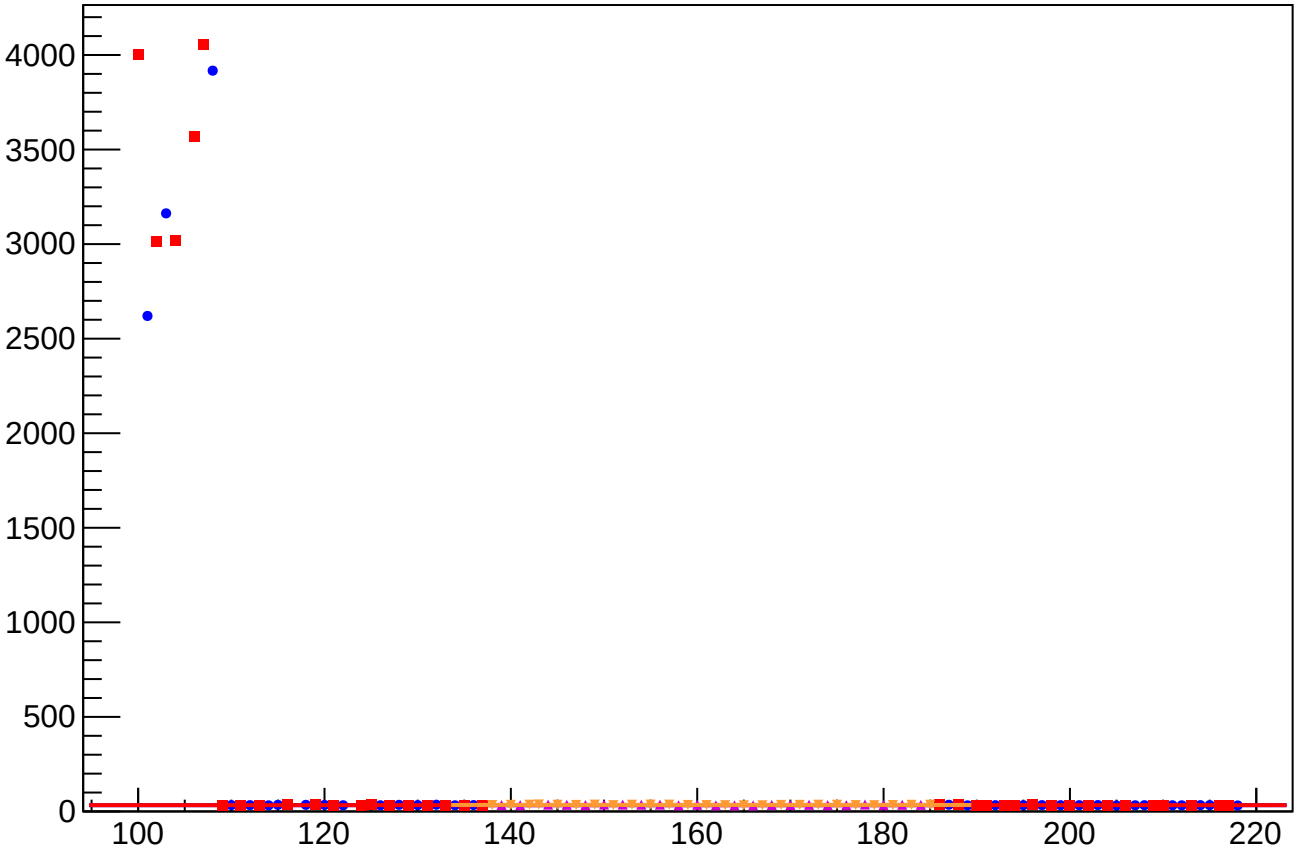
Left In: 4.029+/-8.083 χ^2/NDF:18.9/22

\+ sign -6.992+/-5.495 χ^2/NDF: 63.7/56

All: -1.173+/-3.914 χ^2/NDF: 124.0/115

\- sign 4.817+/-5.575 χ^2/NDF: 58.1/58

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs Slug



Right In: 33.210+/-0.005 χ^2/NDF: 3261405.7/31

Left Out: 34.439+/-0.006 χ^2/NDF:44686.3/24

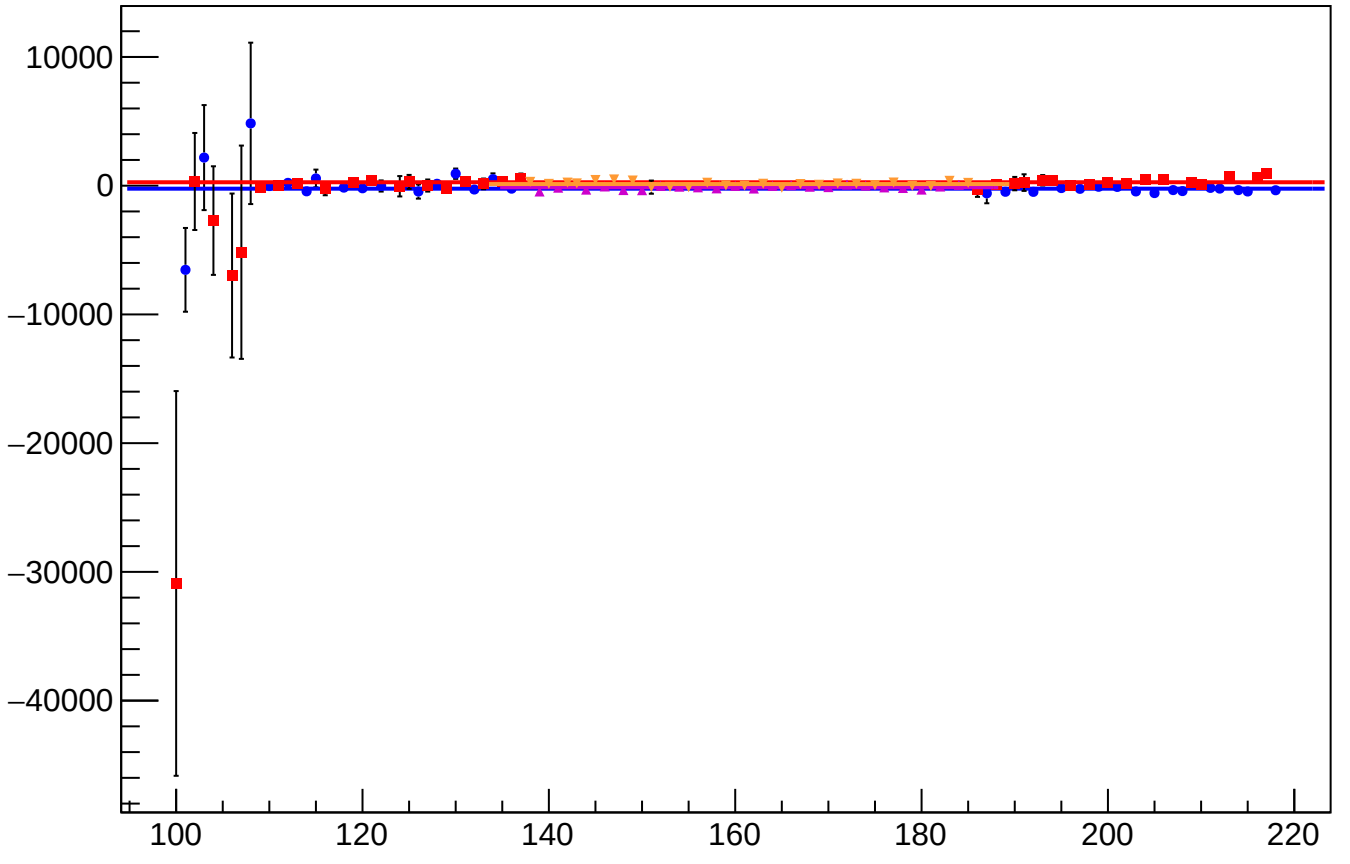
Right Out: 33.232+/-0.005 χ^2/NDF: 3554509.8/35

Left In: 34.552+/-0.006 χ^2/NDF:59280.9/22

+ sign 33.814+/-0.004 χ^2/NDF: 3331089.7/56

All: 33.837+/-0.003 χ^2/NDF: 6972924.2/115

- sign 33.860+/-0.004 χ^2/NDF: 3641766.5/58



Right In: -231.911+/-41.863 χ^2/NDF: 36.0/31

Left Out: 127.689+/-47.228 χ^2/NDF:11.6/24

Right Out: 267.515+/-42.087 χ^2/NDF: 45.0/35

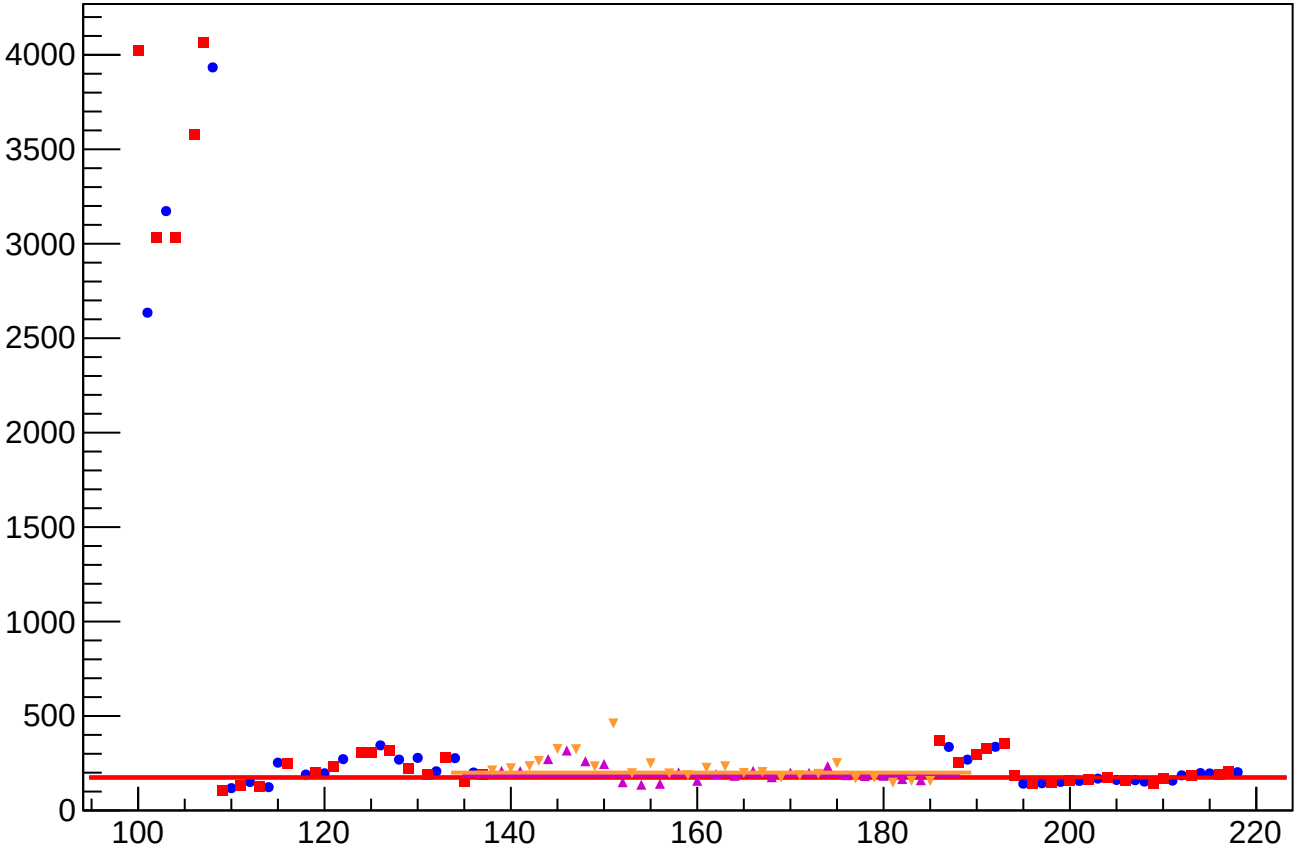
Left In: -122.809+/-45.199 χ^2/NDF:8.0/22

+ sign -73.687+/-31.327 χ^2/NDF: 80.1/56

All: 7.635+/-21.964 χ^2/NDF: 186.3/115

- sign 86.250+/-30.801 χ^2/NDF: 92.9/58

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs Slug



Right In: 174.750+/-0.030 χ^2/NDF: 4977337.0/31

Left Out: 200.372+/-0.033 χ^2/NDF:1876533.6/24

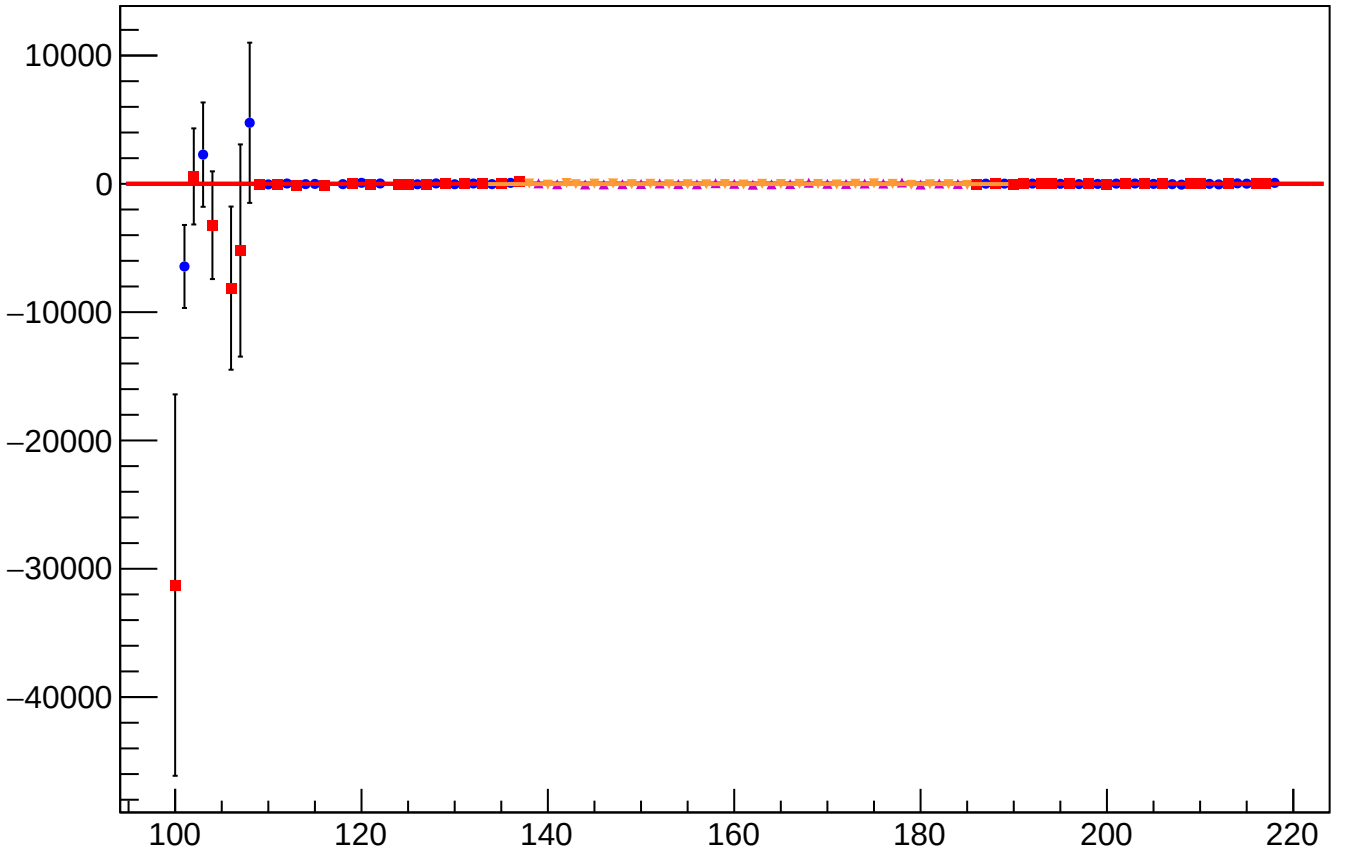
Right Out: 174.278+/-0.030 χ^2/NDF: 5653286.4/35

Left In: 185.871+/-0.032 χ^2/NDF:1405525.2/22

+ sign 186.024+/-0.022 χ^2/NDF: 7183503.0/56

All: 182.789+/-0.016 χ^2/NDF: 14354731.0/11

- sign 179.662+/-0.022 χ^2/NDF: 7129287.9/58



Right In: 7.404+/-6.970 χ^2/NDF: 31.4/31

Left Out: -18.581+/-7.135 χ^2/NDF:20.4/24

Right Out: 2.205+/-6.961 χ^2/NDF: 46.5/35

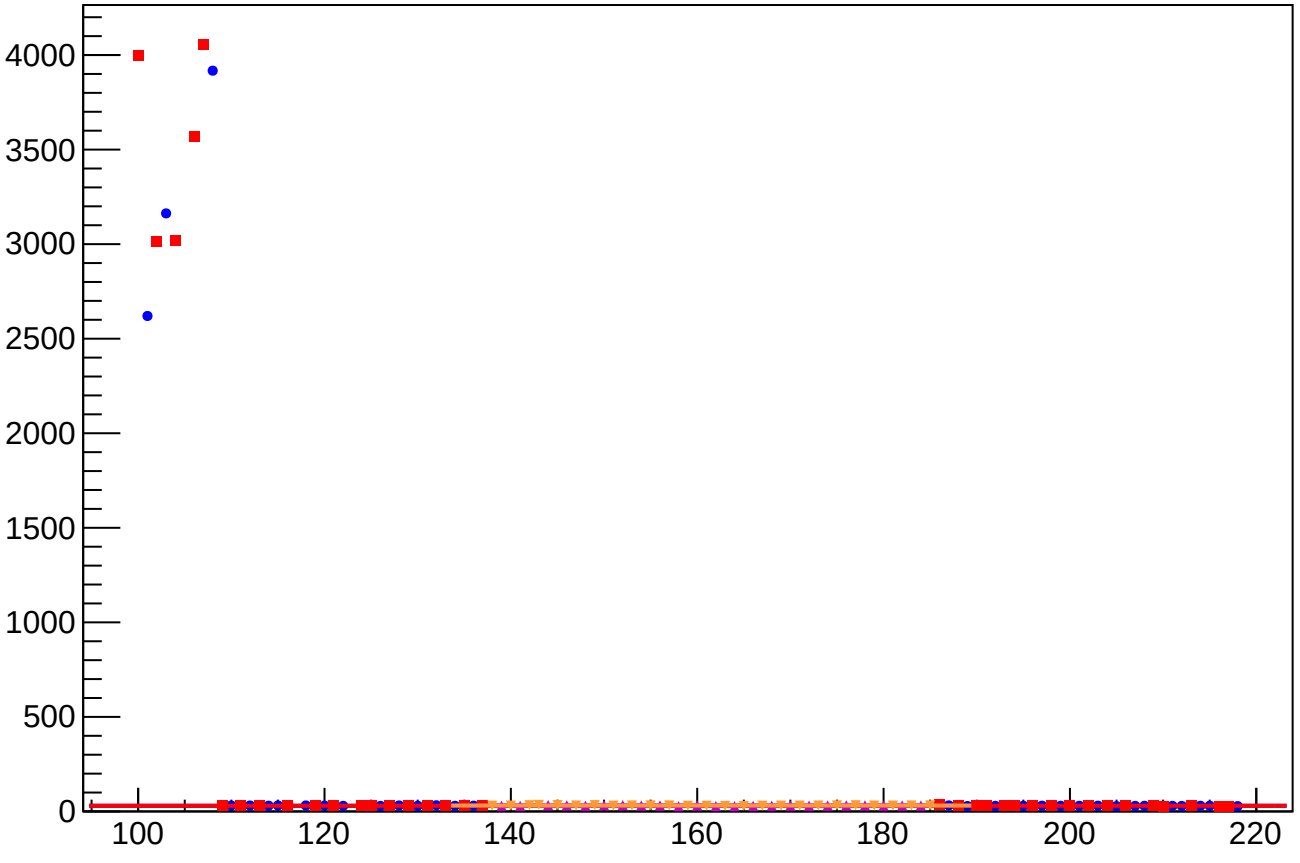
Left In: 2.709+/-7.348 χ^2/NDF:35.5/22

+ sign -5.284+/-4.986 χ^2/NDF: 58.6/56

All: -1.472+/-3.549 χ^2/NDF: 141.7/115

- sign 2.443+/-5.053 χ^2/NDF: 82.0/58

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 30.009+/-0.005 χ^2/NDF: 3282541.3/31

Left Out: 31.340+/-0.005 χ^2/NDF:63017.9/24

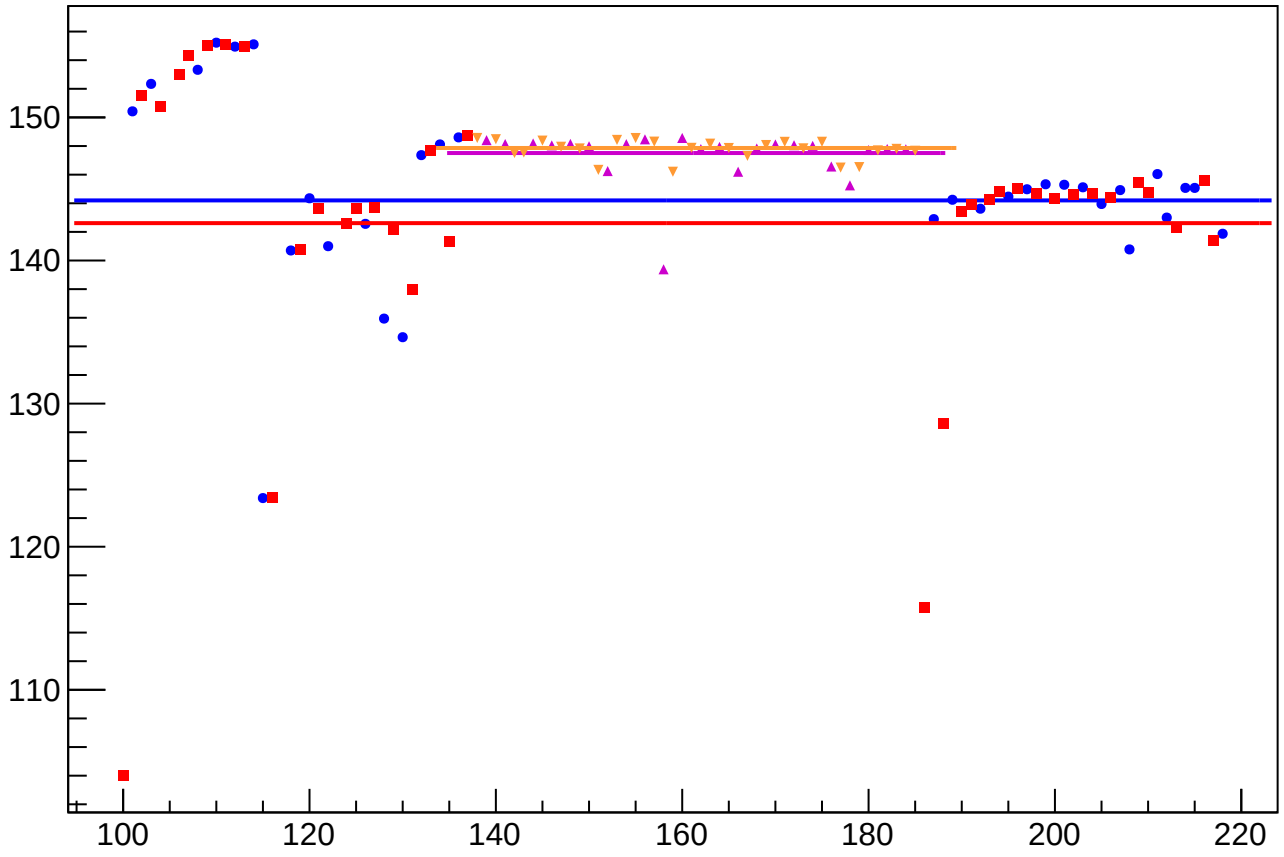
Right Out: 30.017+/-0.005 χ^2/NDF: 3577760.3/35

Left In: 31.379+/-0.005 χ^2/NDF:85229.7/22

+ sign 30.659+/-0.004 χ^2/NDF: 3381147.8/56

All: 30.660+/-0.003 χ^2/NDF: 7080363.7/115

- sign 30.662+/-0.004 χ^2/NDF: 3699215.6/58



Right In: 144.200+/-0.000 χ^2/NDF: 3792178903.4/31

Left Out: 147.864+/-0.000 χ^2/NDF:44922014.2/24

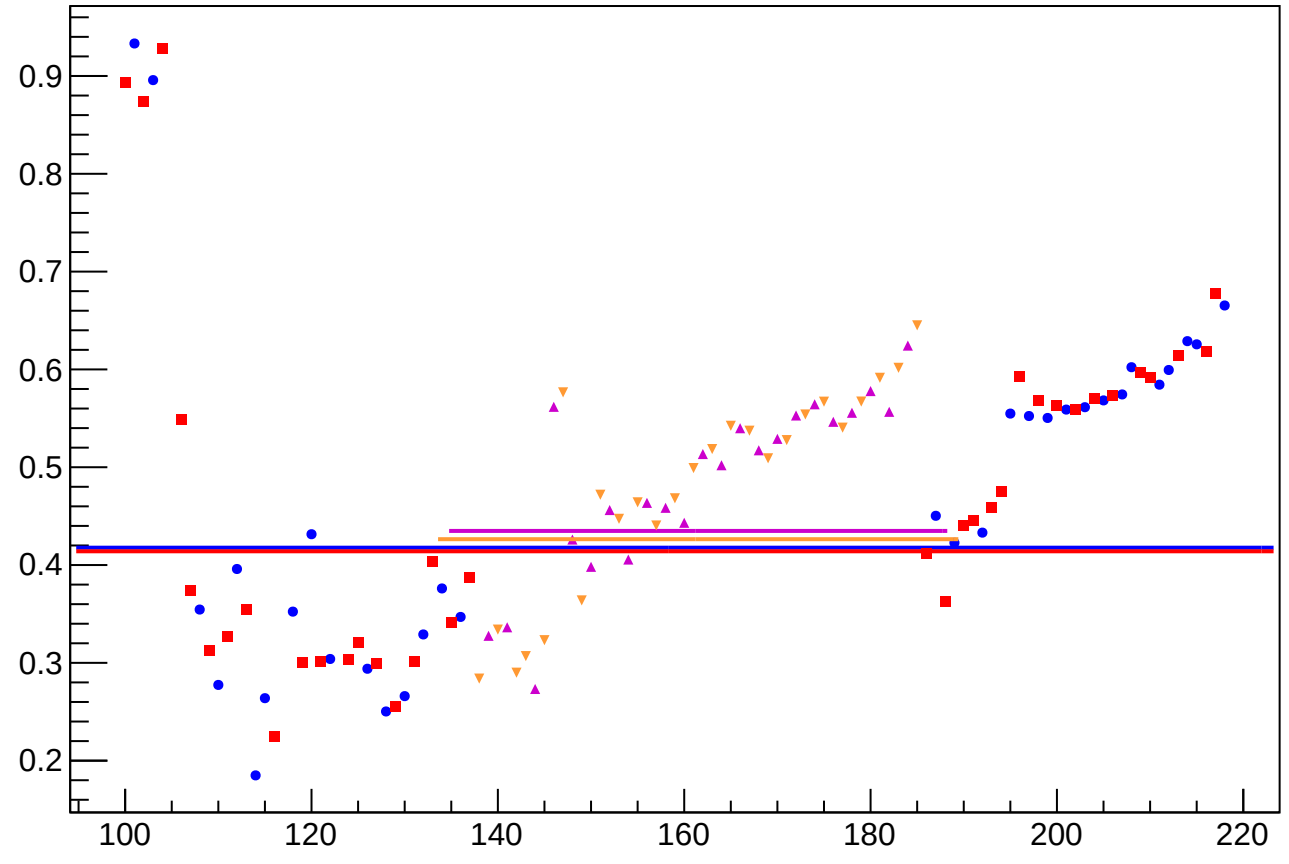
Right Out: 142.613+/-0.000 χ^2/NDF: 7600007128.3/35

Left In: 147.511+/-0.000 χ^2/NDF:306421789.5/22

+ sign 146.028+/-0.000 χ^2/NDF: 4489695347.1/56

All: 145.461+/-0.000 χ^2/NDF: 13668574092.

- sign 144.887+/-0.000 χ^2/NDF: 9052965725.6/58



Right In: 0.418+/-0.000 χ^2/NDF: 4255601.5/31

Left Out: 0.426+/-0.000 χ^2/NDF:2259192.5/24

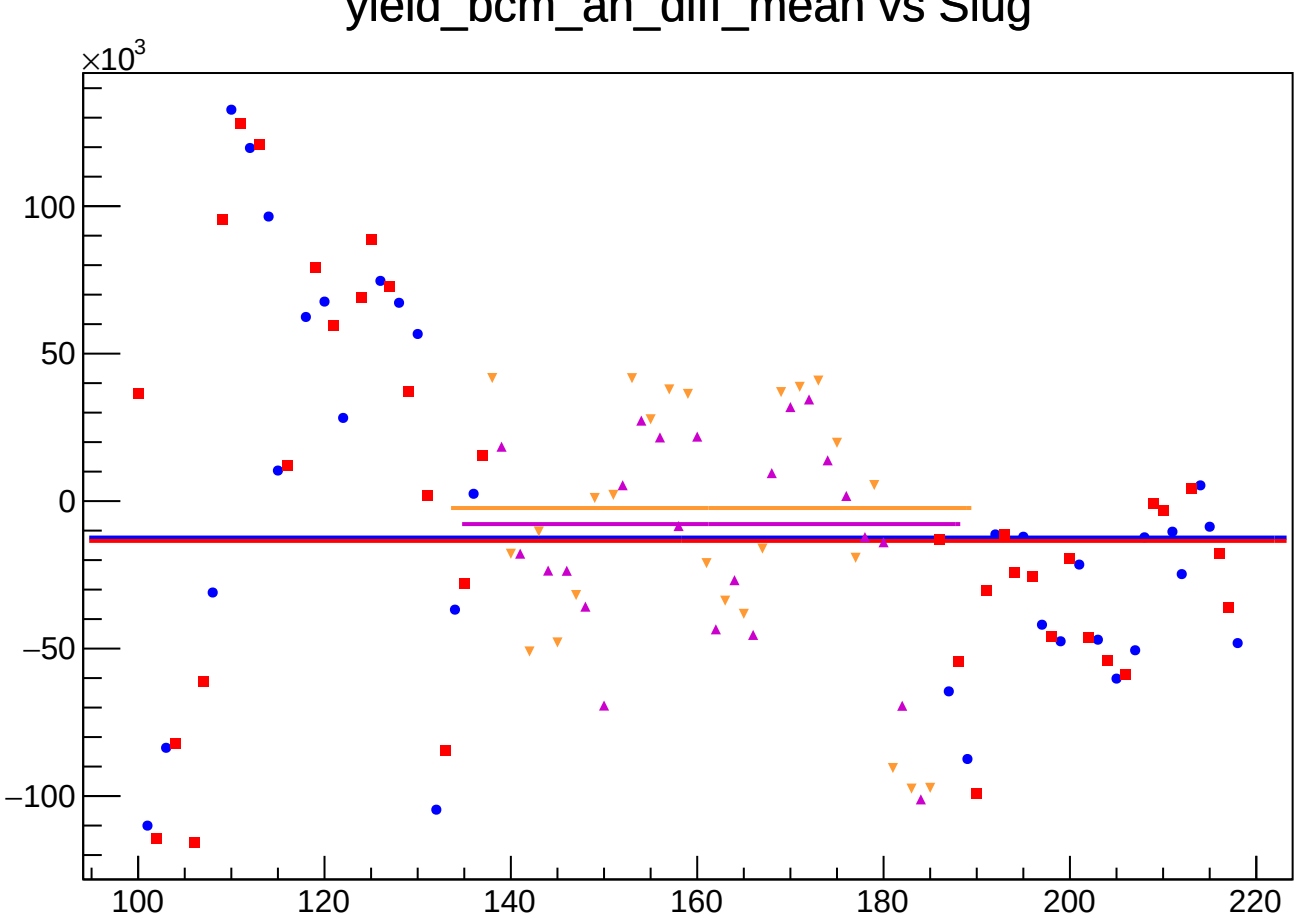
Right Out: 0.414+/-0.000 χ^2/NDF: 3916587.9/35

Left In: 0.435+/-0.000 χ^2/NDF:1774903.7/22

+ sign 0.422+/-0.000 χ^2/NDF: 6522124.0/56

All: 0.423+/-0.000 χ^2/NDF: 12255592.8/115

- sign 0.424+/-0.000 χ^2/NDF: 5732944.7/58



Right In: -12358.442+/-1.238 χ^2/NDF: 1975832758.1/31

Left Out: -2344.855+/-1.123 χ^2/NDF:1230029339.6/24

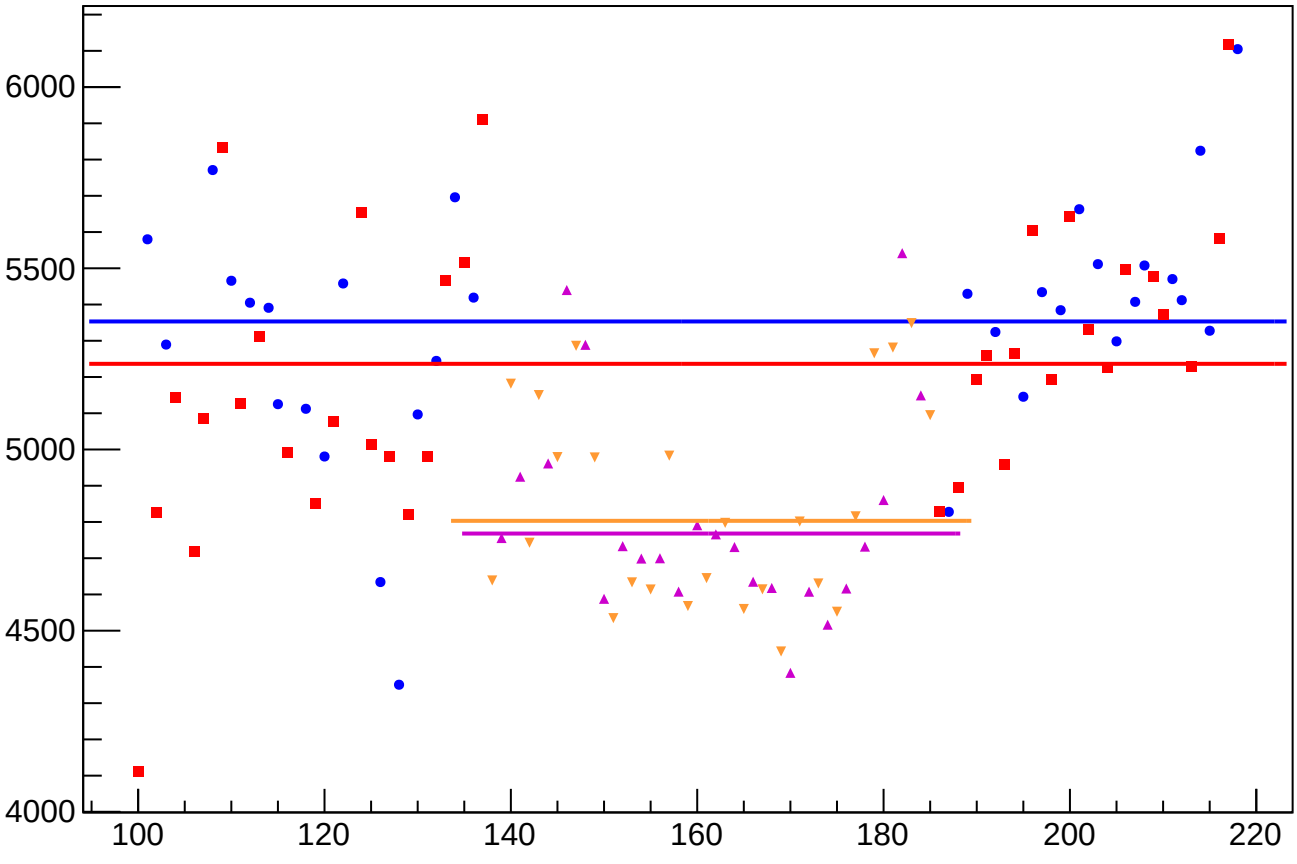
Right Out: -13486.605+/-1.193 χ^2/NDF: 2416590160.3/35

Left In: -7787.808+/-1.145 χ^2/NDF:762496621.5/22

+ sign -6866.941+/-0.832 χ^2/NDF: 3241751602.0/5

All: -8706.293+/-0.586 χ^2/NDF: 6442431058

- sign -10519.423+/-0.826 χ^2/NDF: 3190970092.7/5



Right In: 5353.304+/-0.875 χ^2/NDF: 139817.3/31

Left Out: 4803.136+/-0.794 χ^2/NDF:114681.5/24

Right Out: 5236.362+/-0.843 χ^2/NDF: 152590.5/35

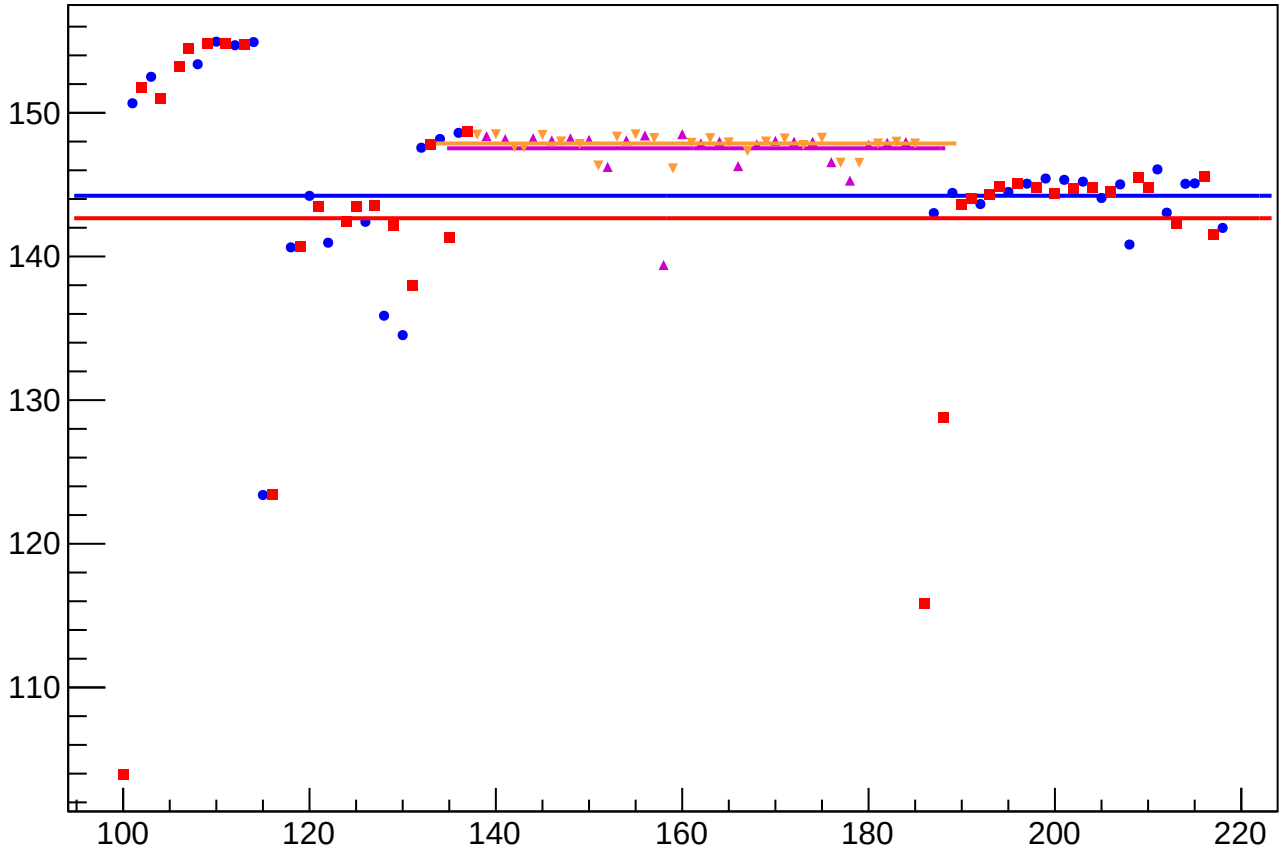
Left In: 4768.055+/-0.809 χ^2/NDF:102355.5/22

+ sign 5051.589+/-0.588 χ^2/NDF: 471173.1/56

All: 5021.847+/-0.414 χ^2/NDF: 891691.5/115

- sign 4992.530+/-0.584 χ^2/NDF: 415441.2/58

yield_bcm_an_ds_mean vs Slug



Right In: 144.227+/-0.000 χ^2/NDF: 3832491396.0/31

Left Out: 147.870+/-0.000 χ^2/NDF:44483332.4/24

Right Out: 142.663+/-0.000 χ^2/NDF: 7575131435.8/35

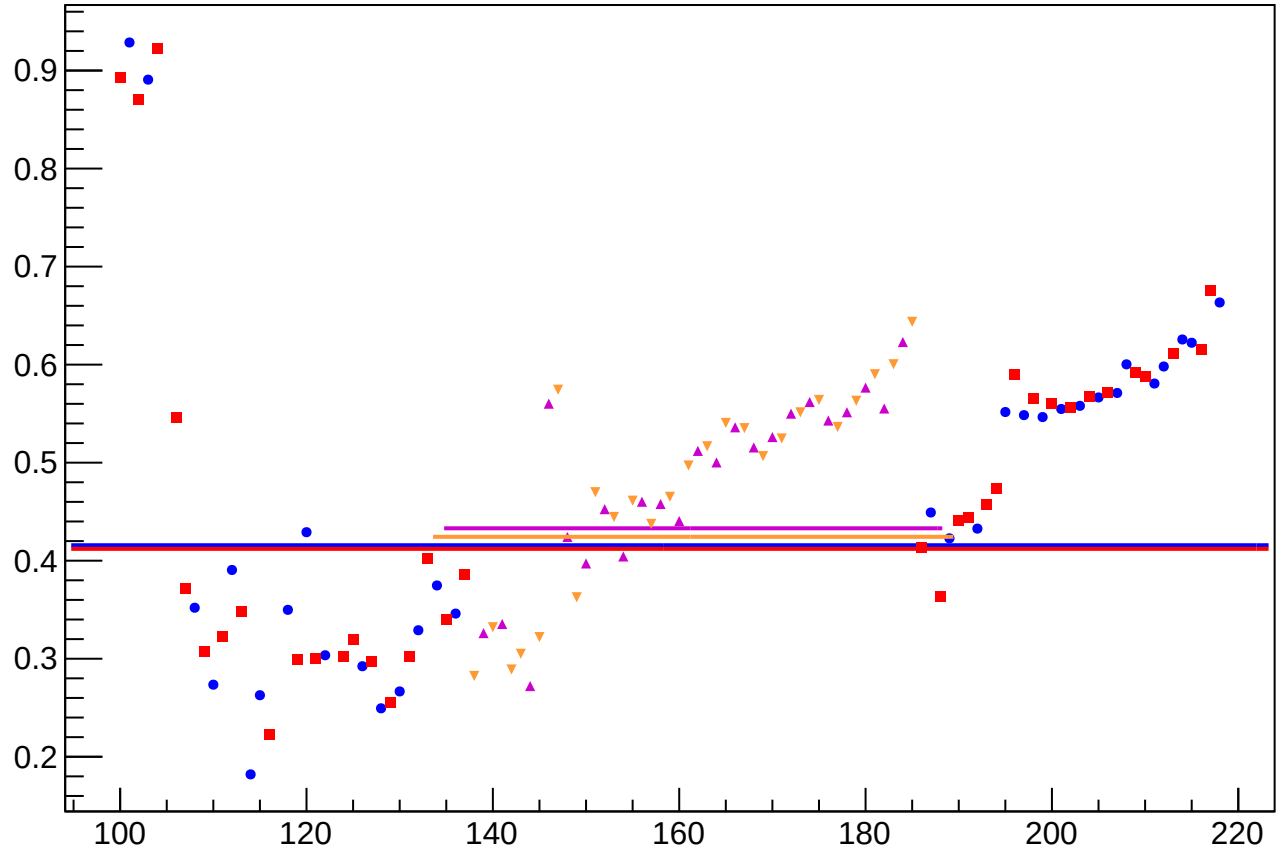
Left In: 147.532+/-0.000 χ^2/NDF:307143604.6/22

+ sign 146.045+/-0.000 χ^2/NDF: 4528151362.3/56

All: 145.487+/-0.000 χ^2/NDF: 13675898787.

- sign 144.923+/-0.000 χ^2/NDF: 9024888824.2/58

yield_bcm_an_ds_rms vs Slug



Right In: 0.416+/-0.000 χ^2/NDF: 4255513.1/31

Left Out: 0.424+/-0.000 χ^2/NDF:2260723.7/24

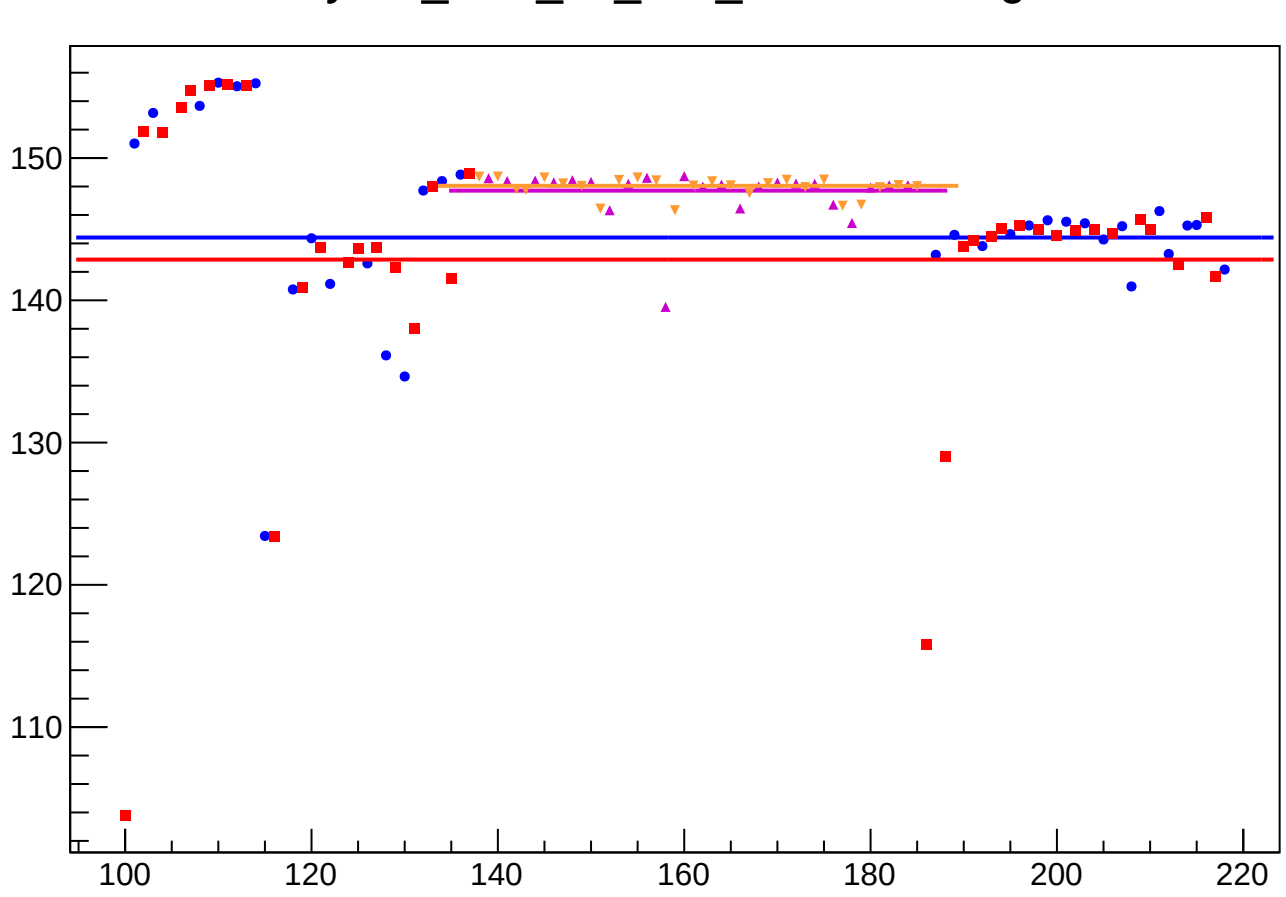
Right Out: 0.412+/-0.000 χ^2/NDF: 3923707.6/35

Left In: 0.433+/-0.000 χ^2/NDF:1771141.8/22

+ sign 0.420+/-0.000 χ^2/NDF: 6523465.8/56

All: 0.421+/-0.000 χ^2/NDF: 12261301.5/115

- sign 0.422+/-0.000 χ^2/NDF: 5737236.7/58



Right In: 144.415+/-0.000 χ^2/NDF: 3826931414.6/31

Left Out: 148.049+/-0.000 χ^2/NDF:44901895.1/24

Right Out: 142.864+/-0.000 χ^2/NDF: 7509477620.8/35

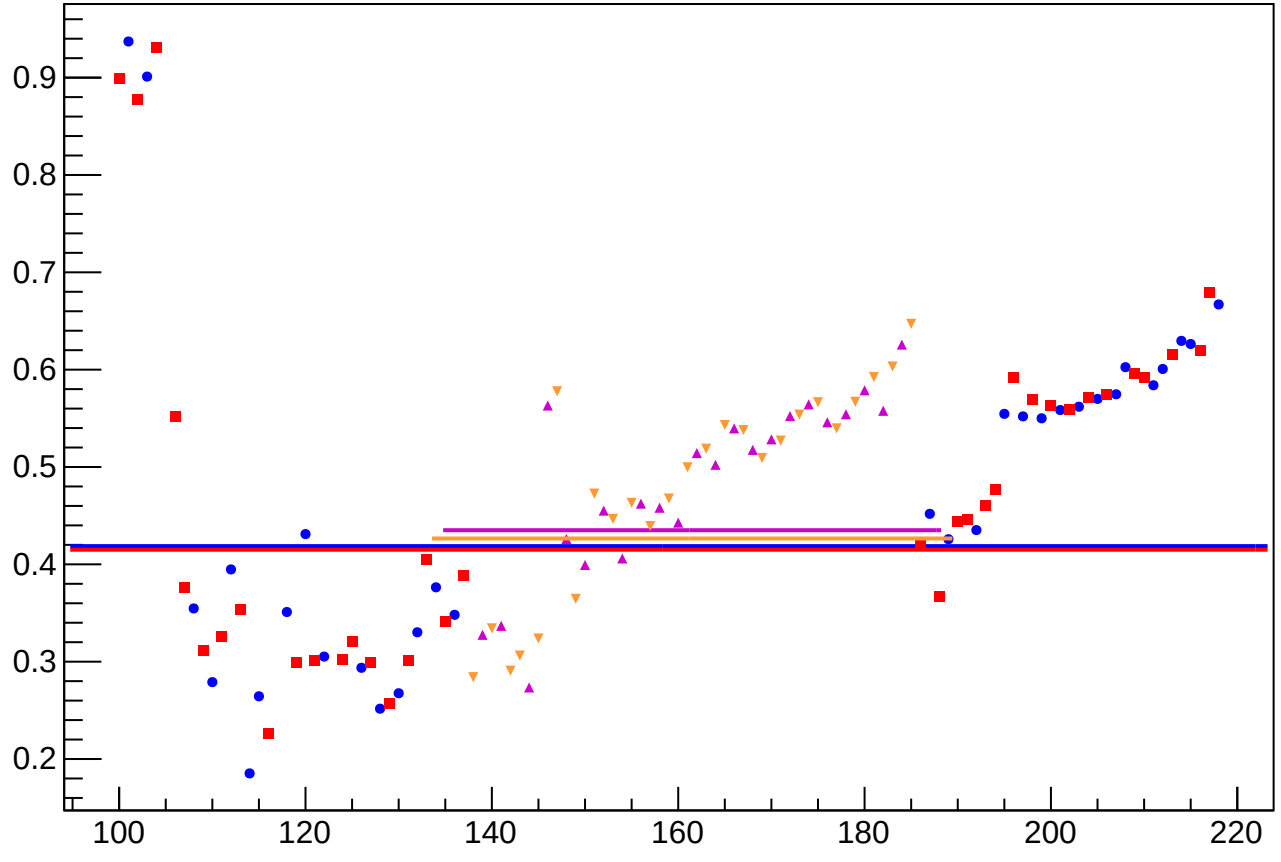
Left In: 147.710+/-0.000 χ^2/NDF:311841433.9/22

+ sign 146.231+/-0.000 χ^2/NDF: 4512546048.5/56

All: 145.679+/-0.000 χ^2/NDF: 13572594555.

- sign 145.119+/-0.000 χ^2/NDF: 8940706351.0/58

yield_bcm_an_ds3_rms vs Slug



Right In: 0.419+/-0.000 χ^2/NDF: 4236819.8/31

Left Out: 0.427+/-0.000 χ^2/NDF:2257492.3/24

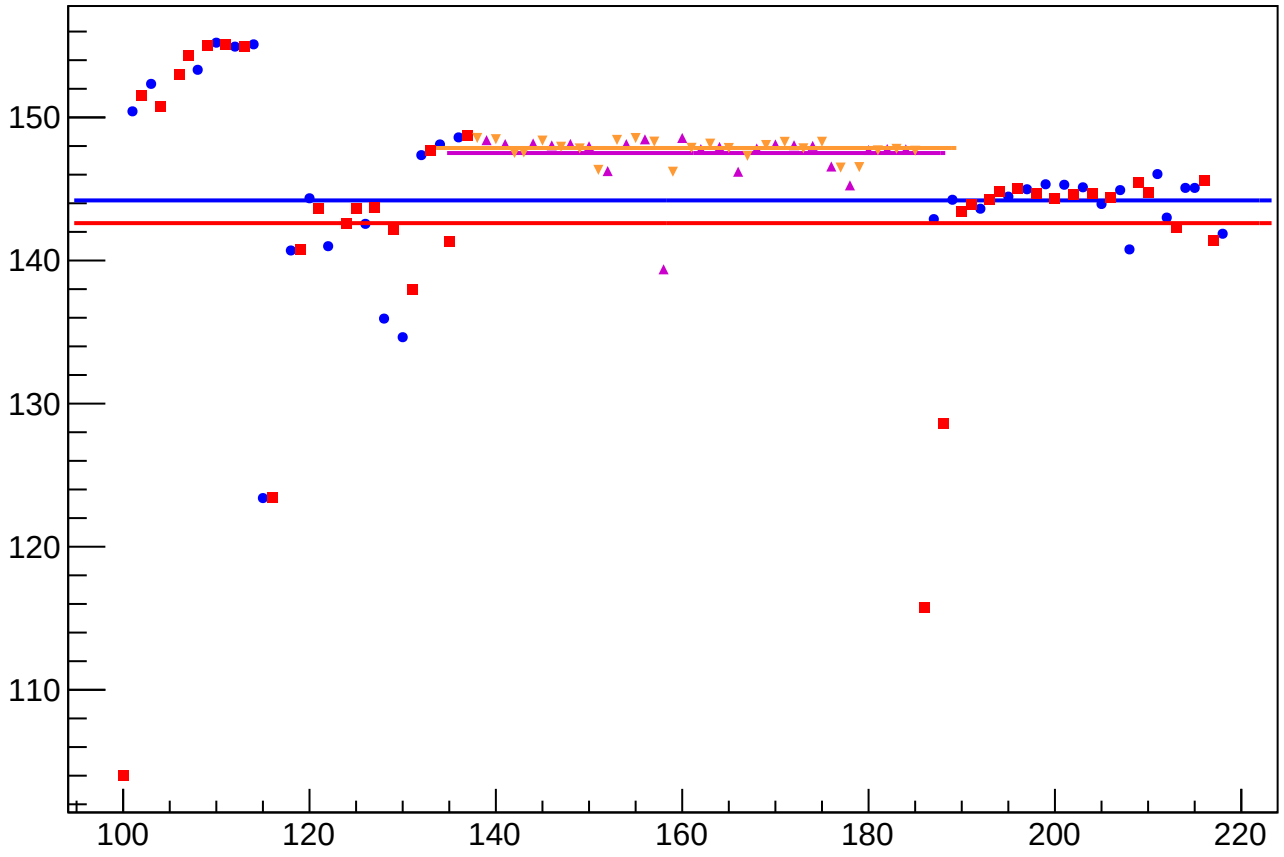
Right Out: 0.415+/-0.000 χ^2/NDF: 3914130.6/35

Left In: 0.435+/-0.000 χ^2/NDF:1769716.0/22

+ sign 0.423+/-0.000 χ^2/NDF: 6500280.4/56

All: 0.423+/-0.000 χ^2/NDF: 12222987.9/115

- sign 0.424+/-0.000 χ^2/NDF: 5722147.5/58



Right In: 144.200+/-0.000 χ^2/NDF: 3792178903.4/31

Left Out: 147.864+/-0.000 χ^2/NDF:44922014.2/24

Right Out: 142.613+/-0.000 χ^2/NDF: 7600007128.3/35

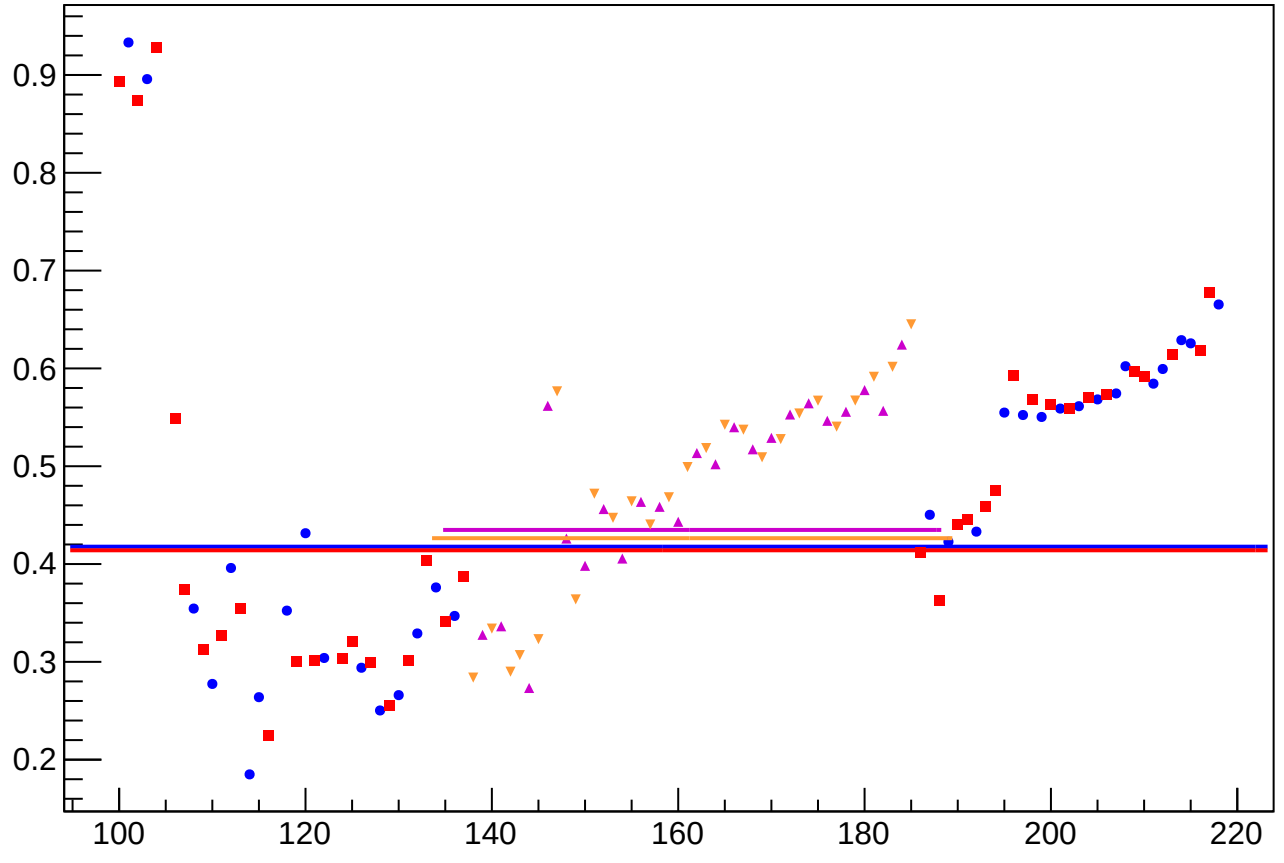
Left In: 147.511+/-0.000 χ^2/NDF:306421789.5/22

+ sign 146.028+/-0.000 χ^2/NDF: 4489695347.1/56

All: 145.461+/-0.000 χ^2/NDF: 13668574092.

- sign 144.887+/-0.000 χ^2/NDF: 9052965725.6/58

yield_bcm_an_us_rms vs Slug



Right In: 0.418+/-0.000 χ^2/NDF: 4255601.5/31

Left Out: 0.426+/-0.000 χ^2/NDF:2259192.5/24

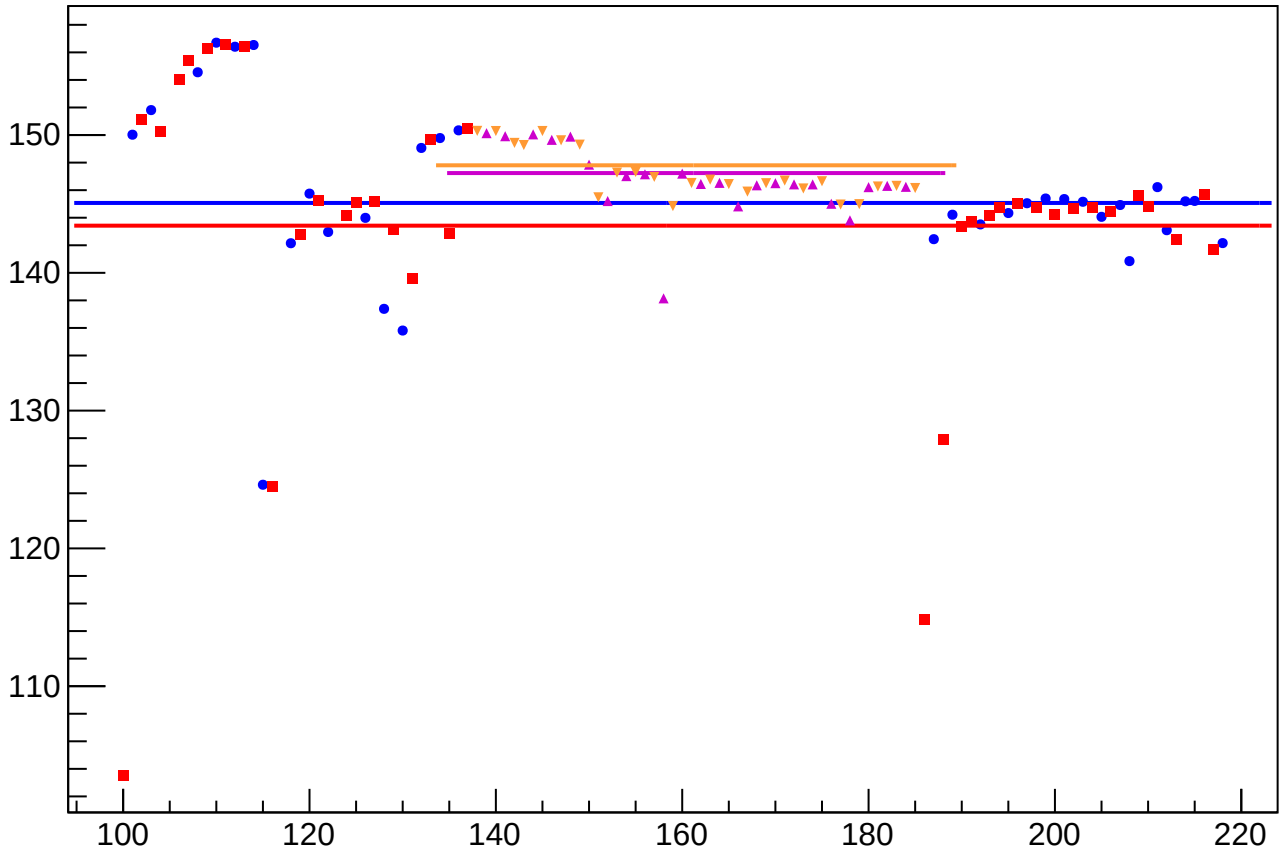
Right Out: 0.414+/-0.000 χ^2/NDF: 3916587.9/35

Left In: 0.435+/-0.000 χ^2/NDF:1774903.7/22

+ sign 0.422+/-0.000 χ^2/NDF: 6522124.0/56

All: 0.423+/-0.000 χ^2/NDF: 12255592.8/115

- sign 0.424+/-0.000 χ^2/NDF: 5732944.7/58



Right In: 145.072+/-0.000 χ^2/NDF: 3589325445.4/31

Left Out: 147.804+/-0.000 χ^2/NDF:327059704.2/24

Right Out: 143.423+/-0.000 χ^2/NDF: 7648240830.6/35

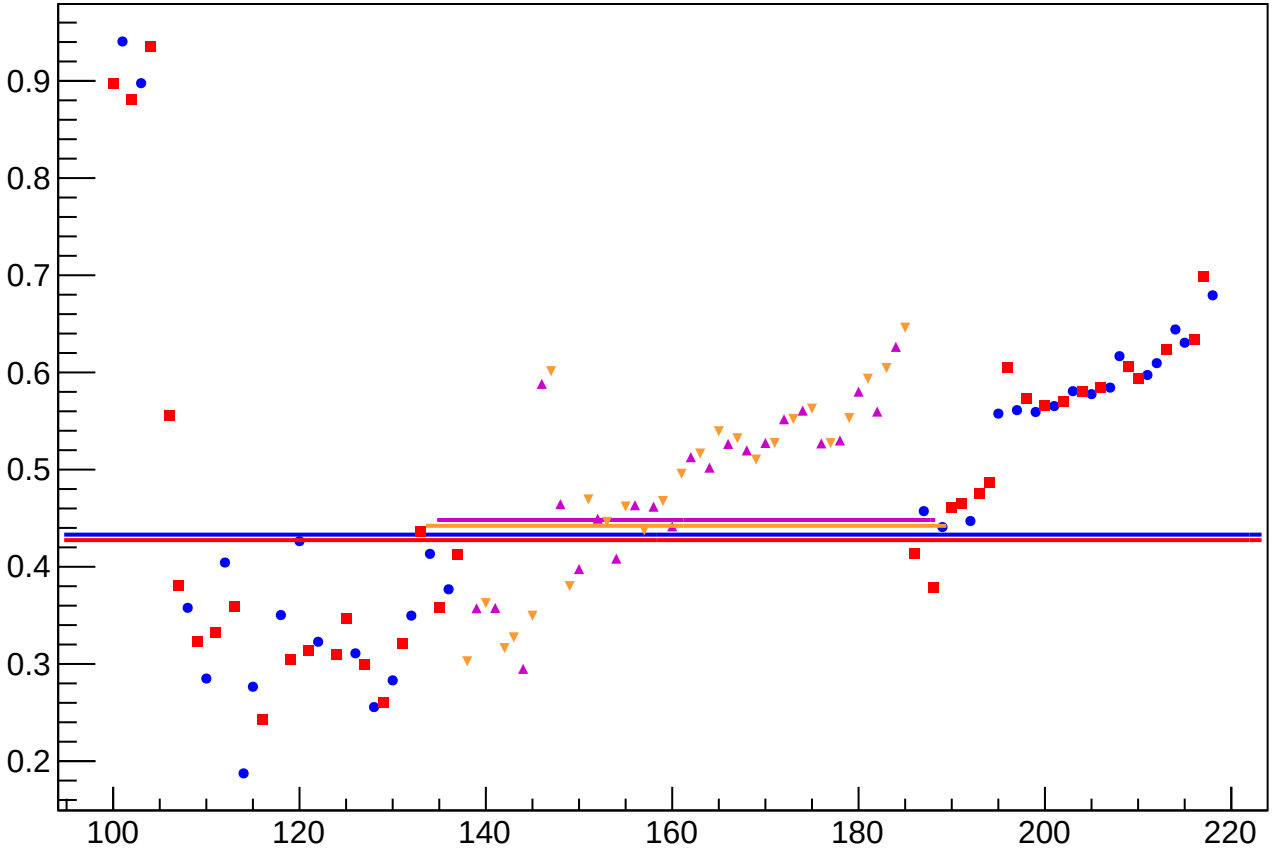
Left In: 147.241+/-0.000 χ^2/NDF:618679483.9/22

+ sign 146.441+/-0.000 χ^2/NDF: 4256964851.3/56

All: 145.826+/-0.000 χ^2/NDF: 13322048036.

- sign 145.208+/-0.000 χ^2/NDF: 8926660805.6/58

yield_bcm_dg_us_rms vs Slug



Right In: 0.433+/-0.000 χ^2/NDF: 4013418.3/31

Left Out: 0.442+/-0.000 χ^2/NDF:1704199.1/24

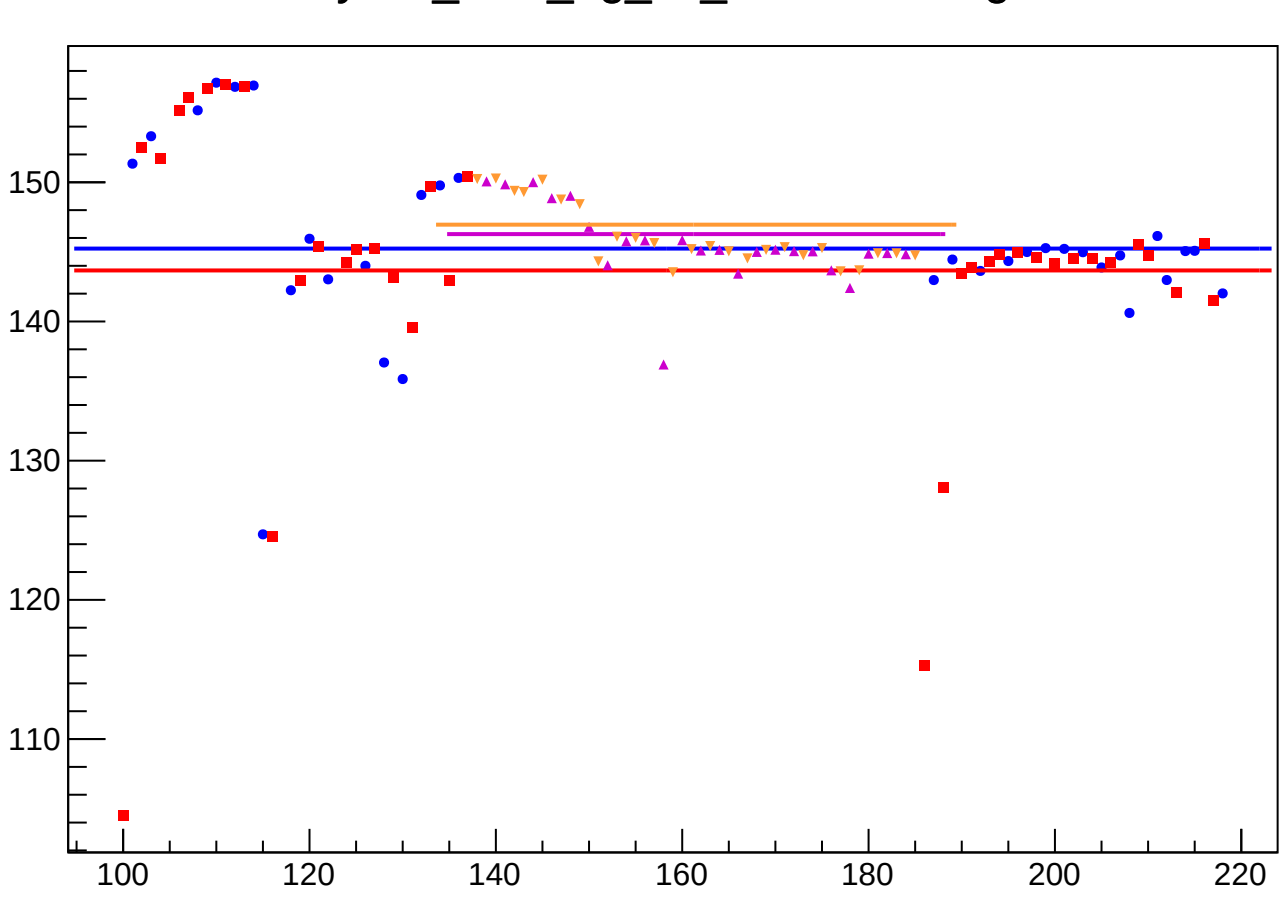
Right Out: 0.427+/-0.000 χ^2/NDF: 3732788.7/35

Left In: 0.448+/-0.000 χ^2/NDF:1347802.9/22

+ sign 0.438+/-0.000 χ^2/NDF: 5725161.1/56

All: 0.437+/-0.000 χ^2/NDF: 10844554.7/115

- sign 0.437+/-0.000 χ^2/NDF: 5119345.6/58



Right In: 145.238+/-0.000 χ^2/NDF: 3754212850.9/31

Left Out: 146.956+/-0.000 χ^2/NDF:542800379.5/24

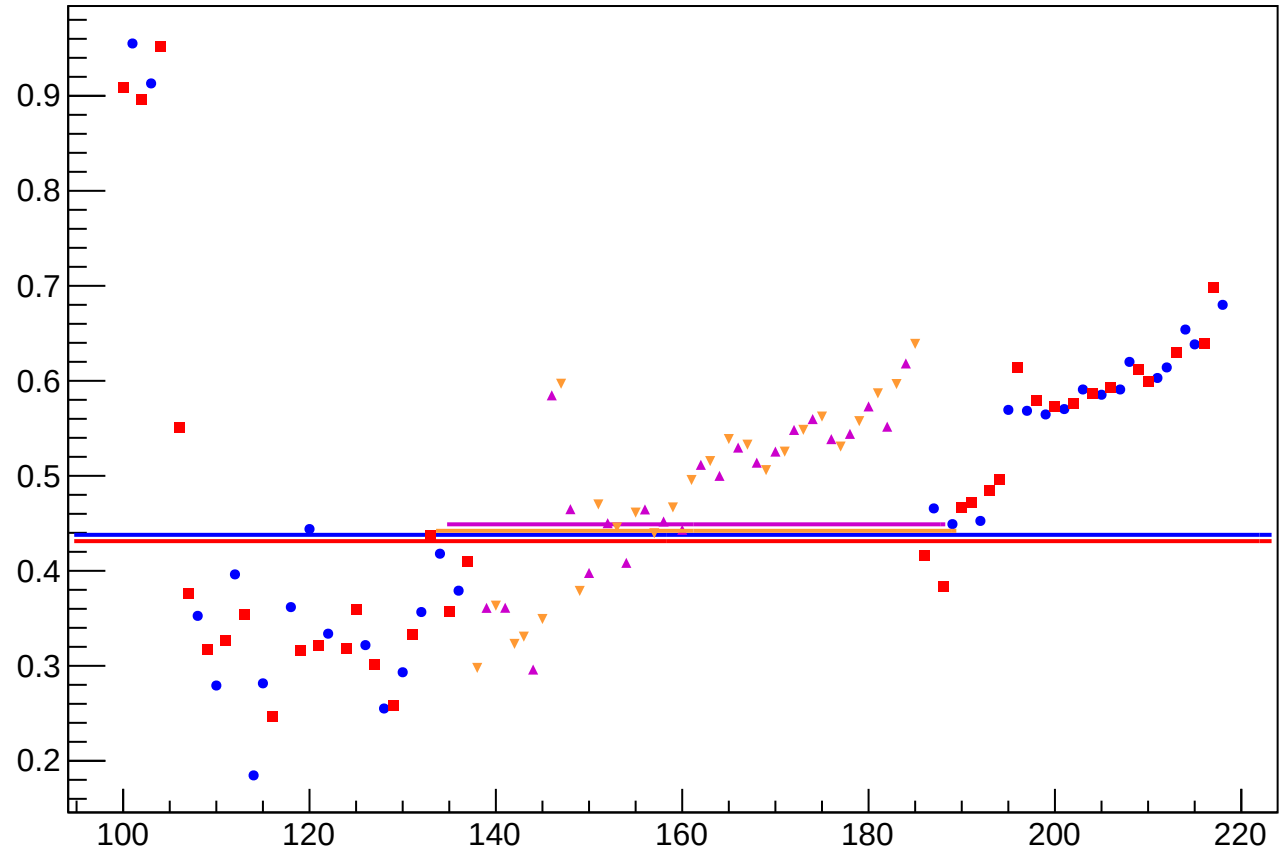
Right Out: 143.667+/-0.000 χ^2/NDF: 7704709678.5/35

Left In: 146.278+/-0.000 χ^2/NDF:825161532.5/22

+ sign 146.109+/-0.000 χ^2/NDF: 4430084346.8/56

All: 145.505+/-0.000 χ^2/NDF: 13396983675.

- sign 144.899+/-0.000 χ^2/NDF: 8835106123.1/58



Right In: 0.438+/-0.000 χ^2/NDF: 4038957.2/31

Left Out: 0.442+/-0.000 χ^2/NDF:1676682.9/24

Right Out: 0.431+/-0.000 χ^2/NDF: 3753380.3/35

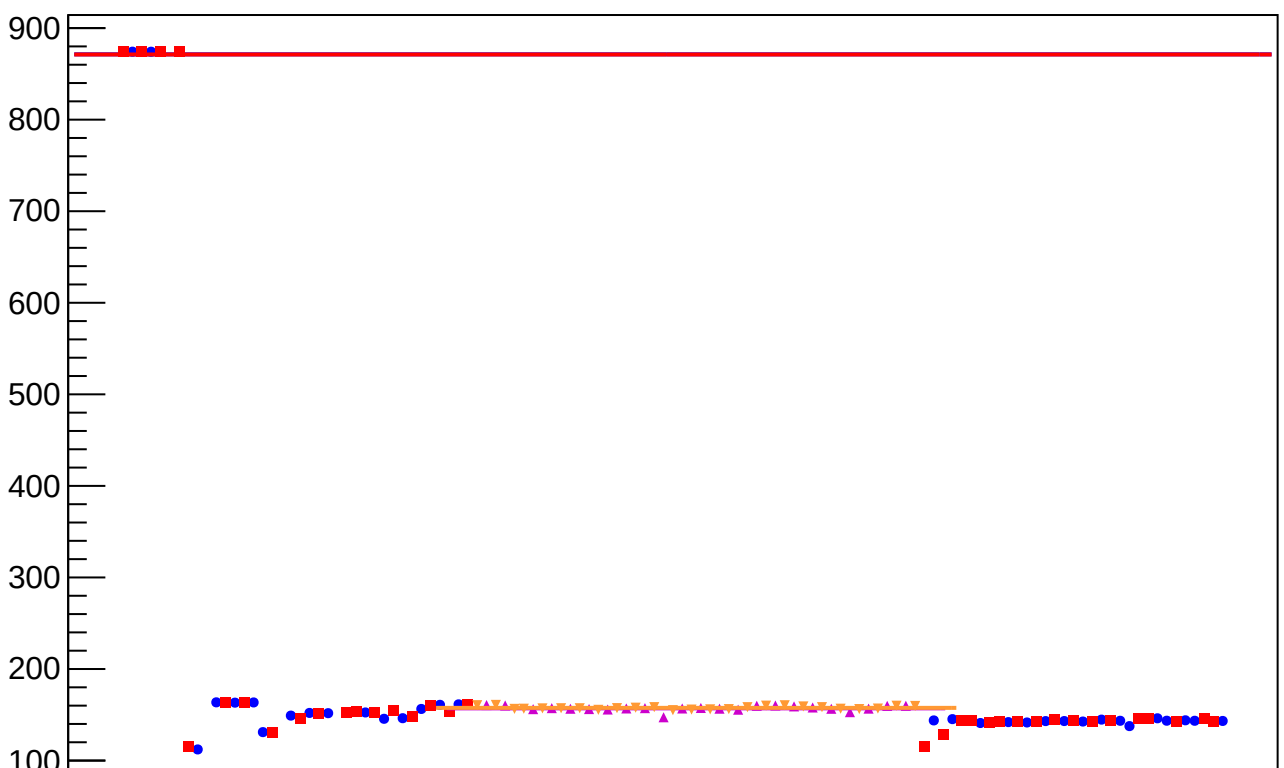
Left In: 0.449+/-0.000 χ^2/NDF:1300658.3/22

+ sign 0.440+/-0.000 χ^2/NDF: 5717249.5/56

All: 0.440+/-0.000 χ^2/NDF: 10799390.2/115

- sign 0.440+/-0.000 χ^2/NDF: 5082107.0/58

yield_cav4bQ_mean vs Slug



Right In: 871.335+/-0.000 χ^2/NDF: 14924602993464.8/31

Left Out: 157.566+/-0.000 χ^2/NDF:104641292.0/24

Right Out: 871.178+/-0.000 χ^2/NDF: 18173251076504.9/35

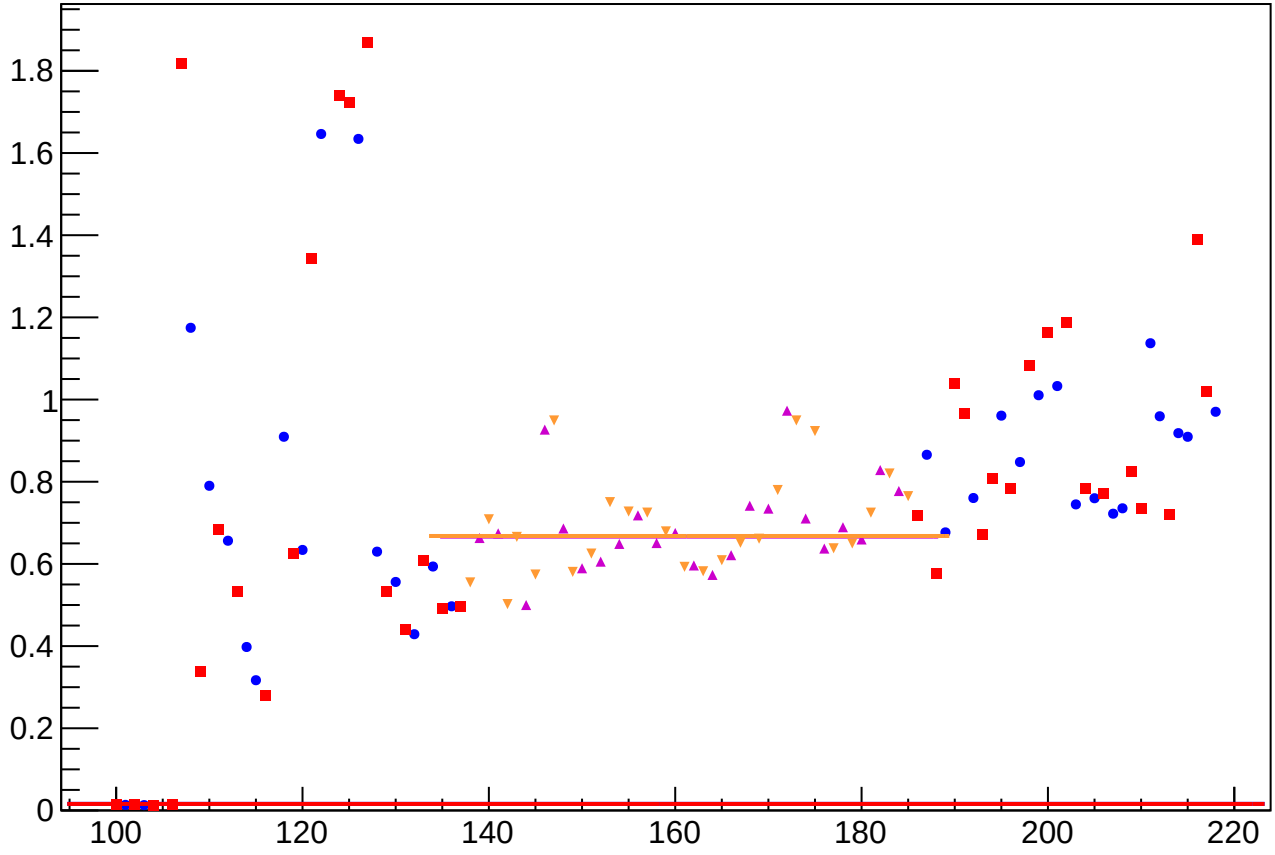
Left In: 157.013+/-0.000 χ^2/NDF:239819941.9/22

+ sign 867.964+/-0.000 χ^2/NDF: 32104248307298.

All: 868.184+/-0.000 χ^2/NDF: 667430060417

- sign 868.375+/-0.000 χ^2/NDF: 34638107883499.3

yield_cav4bQ_rms vs Slug



Right In: 0.016+/-0.000 χ^2/NDF: 29925394.2/31

Left Out: 0.668+/-0.000 χ^2/NDF:681720.2/24

Right Out: 0.016+/-0.000 χ^2/NDF: 31144482.6/35

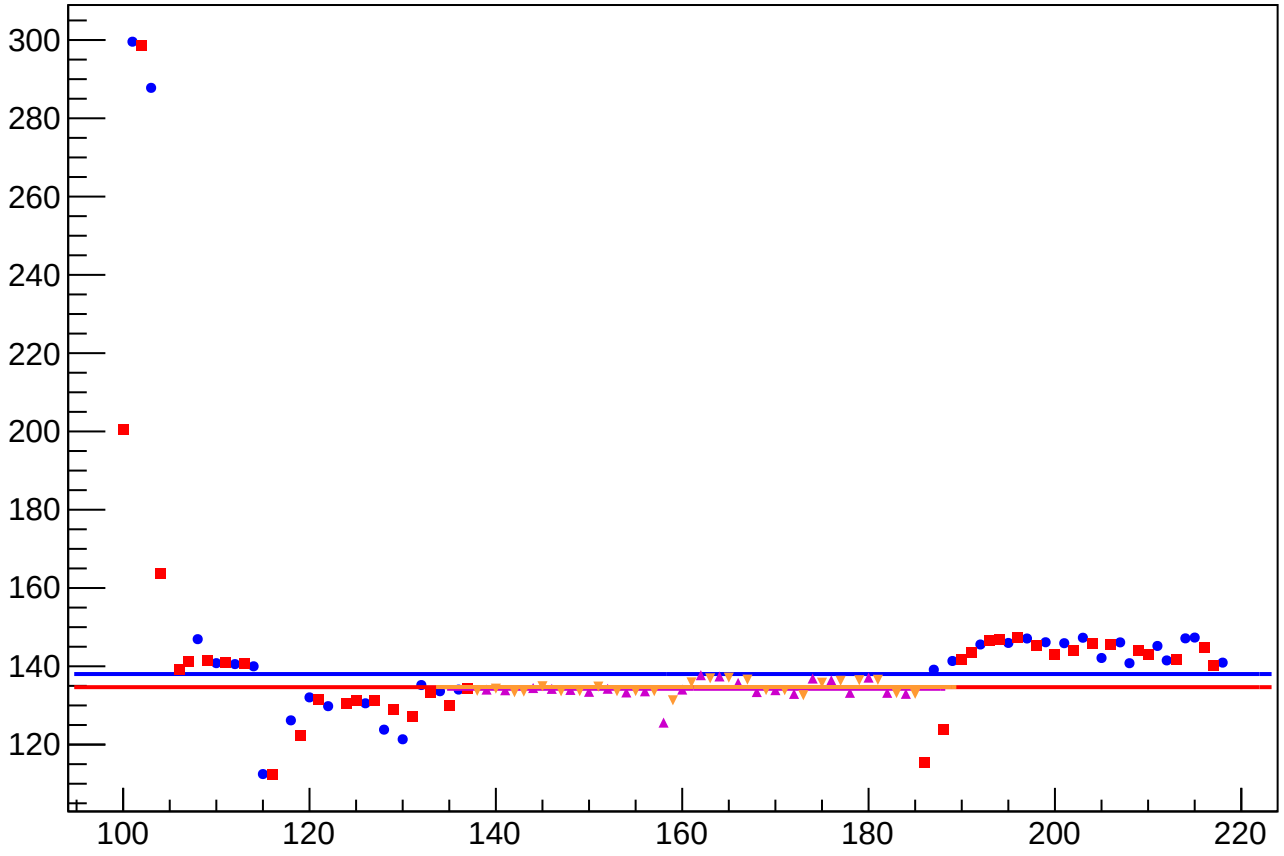
Left In: 0.666+/-0.000 χ^2/NDF:536078.9/22

+ sign 0.019+/-0.000 χ^2/NDF: 59268605.5/56

All: 0.019+/-0.000 χ^2/NDF: 118283346.3/115

- sign 0.018+/-0.000 χ^2/NDF: 59010444.4/58

yield_cav4cQ_mean vs Slug



Right In: 138.022+/-0.000 χ^2/NDF: 3743300898.2/31

Left Out: 134.714+/-0.000 χ^2/NDF:159886495.0/24

Right Out: 134.669+/-0.000 χ^2/NDF: 5539726651.9/35

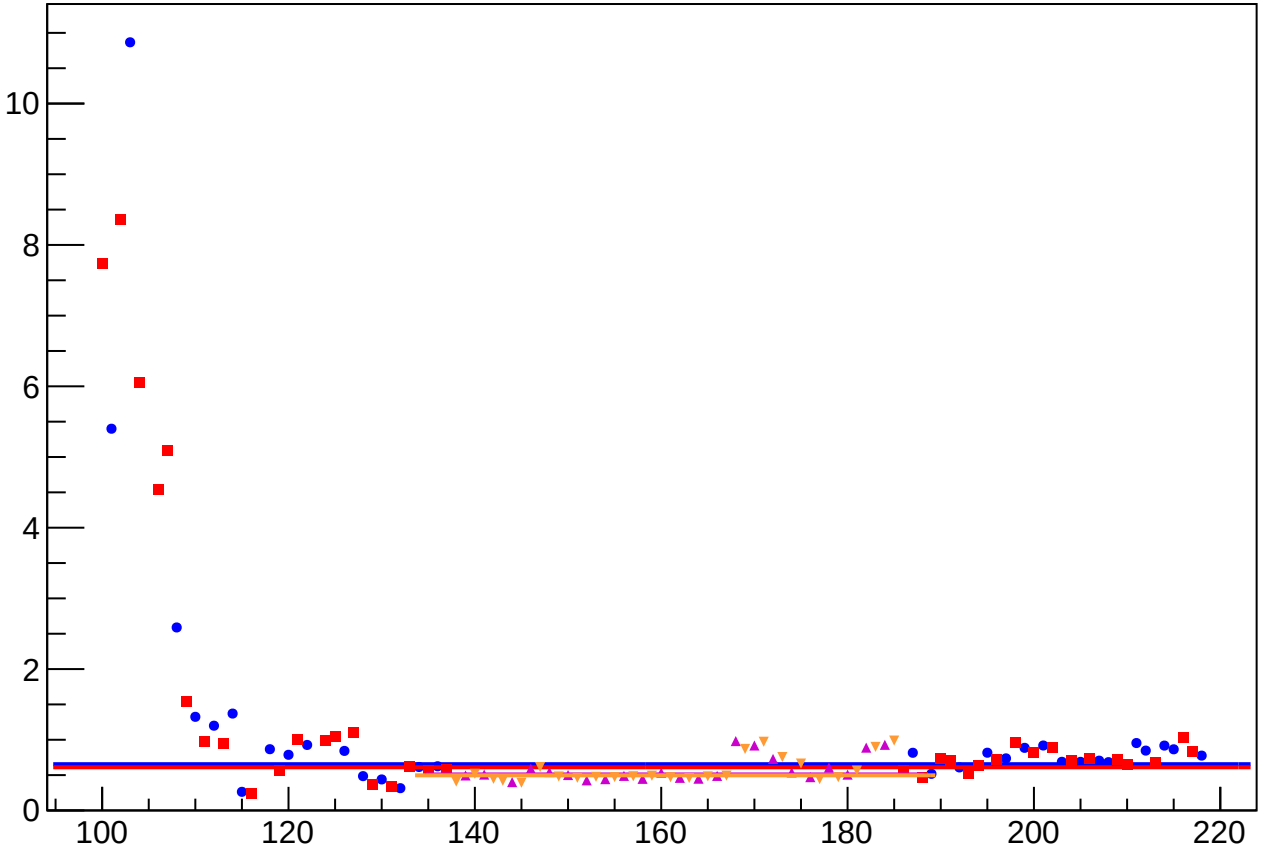
Left In: 134.250+/-0.000 χ^2/NDF:441522664.4/22

+ sign 135.803+/-0.000 χ^2/NDF: 4144380474.0/56

All: 135.111+/-0.000 χ^2/NDF: 10225770973.

- sign 134.413+/-0.000 χ^2/NDF: 5985374003.9/58

yield_cav4cQ_rms vs Slug



Right In: 0.655+/-0.000 χ^2/NDF: 5447229.2/31

Left Out: 0.497+/-0.000 χ^2/NDF:1572512.9/24

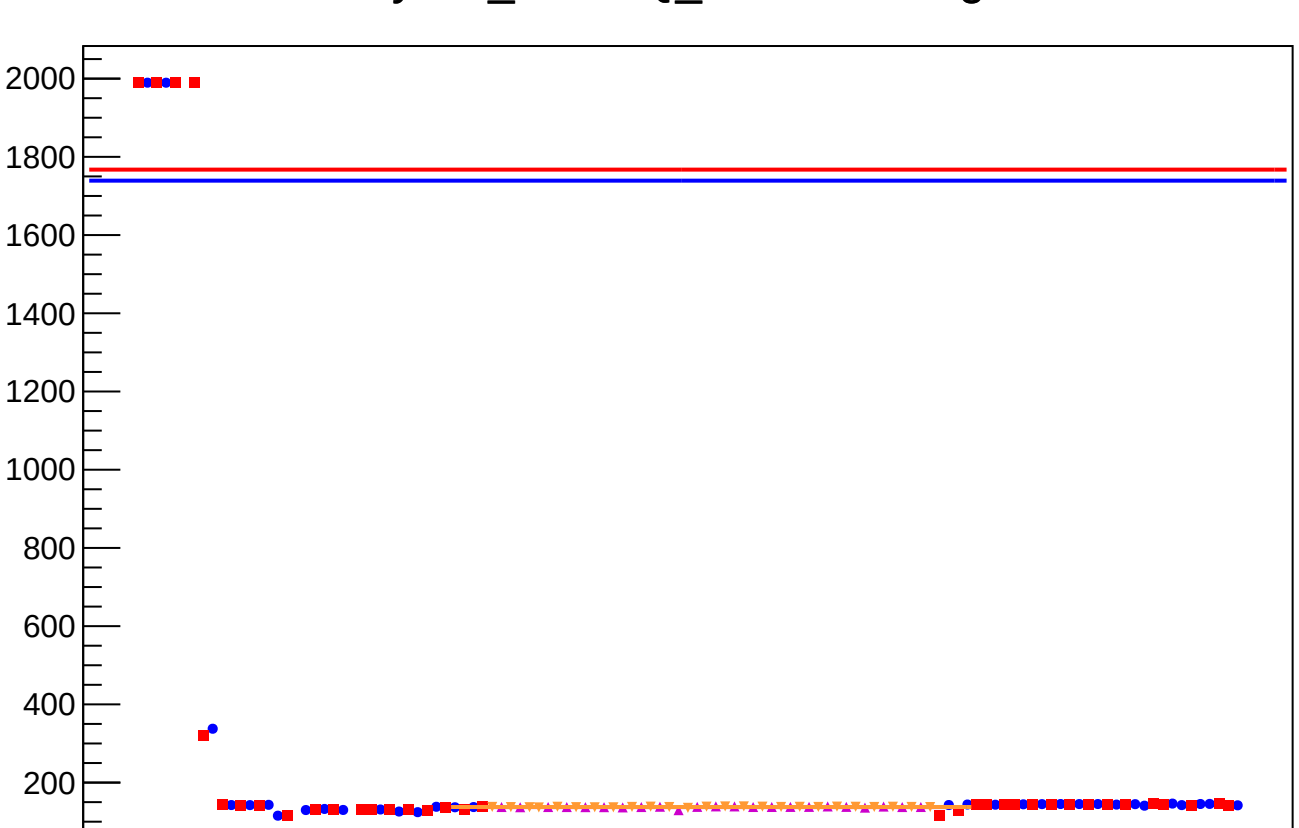
Right Out: 0.610+/-0.000 χ^2/NDF: 6400051.5/35

Left In: 0.510+/-0.000 χ^2/NDF:1485489.4/22

+ sign 0.549+/-0.000 χ^2/NDF: 8115559.9/56

All: 0.549+/-0.000 χ^2/NDF: 16479815.1/115

- sign 0.549+/-0.000 χ^2/NDF: 8364255.2/58



Right In: 1739.137+/-0.000 χ^2/NDF: 243246361858638.2/31

Left Out: 137.578+/-0.000 χ^2/NDF:64111345.2/24

Right Out: 1767.353+/-0.000 χ^2/NDF: 256062343180723.6/35

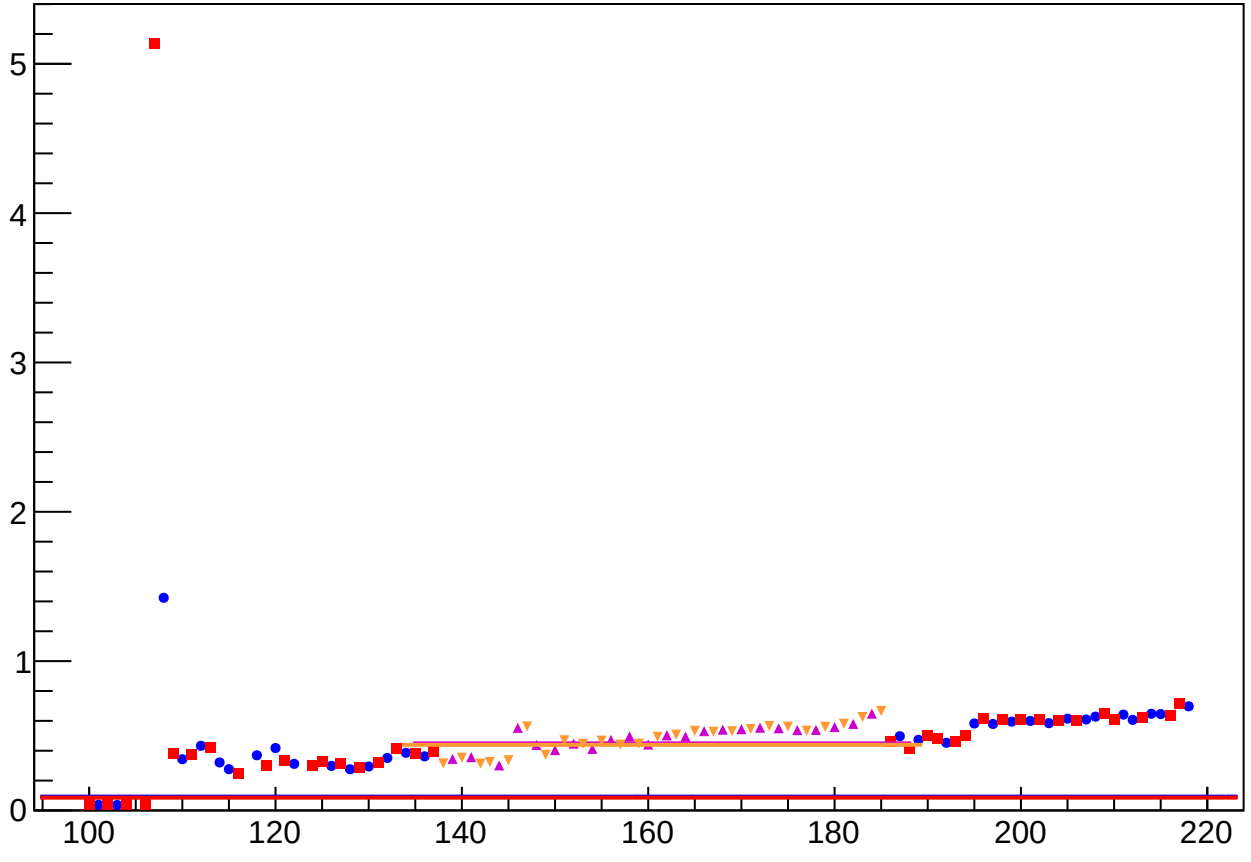
Left In: 137.349+/-0.000 χ^2/NDF:248752254.7/22

+ sign 1526.457+/-0.000 χ^2/NDF: 44976910921872

All: 1561.506+/-0.000 χ^2/NDF: 9087772052

- sign 1592.479+/-0.000 χ^2/NDF: 45739019585335

yield_cav4dQ_rms vs Slug



Right In: 0.093+/-0.000 χ^2/NDF: 26997727.5/31

Left Out: 0.440+/-0.000 χ^2/NDF:1765604.0/24

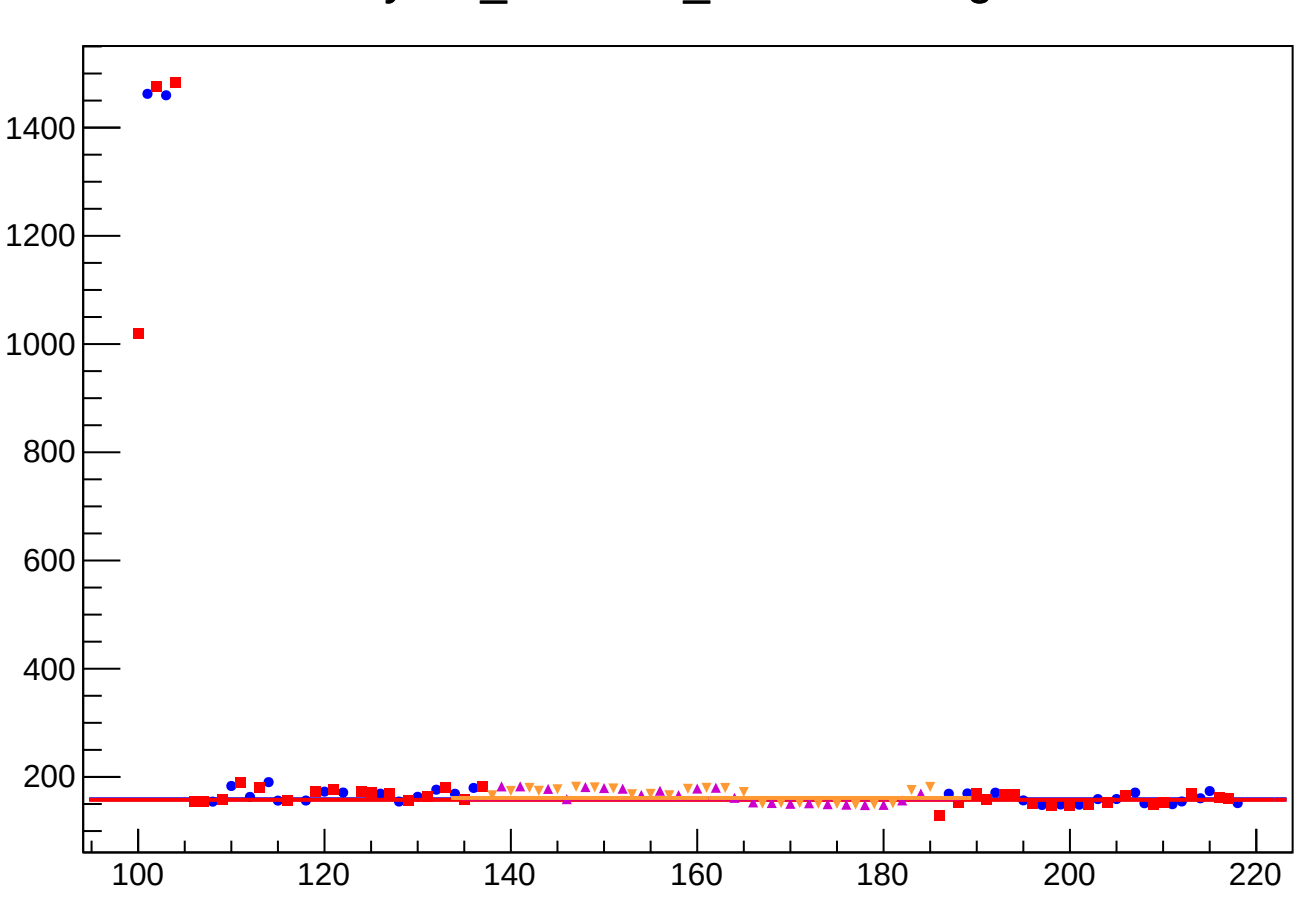
Right Out: 0.086+/-0.000 χ^2/NDF: 27354116.5/35

Left In: 0.449+/-0.000 χ^2/NDF:1340860.2/22

+ sign 0.139+/-0.000 χ^2/NDF: 48126447.0/56

All: 0.131+/-0.000 χ^2/NDF: 96981825.9/115

- sign 0.125+/-0.000 χ^2/NDF: 48709853.2/58



Right In: 158.727+/-0.000 χ^2/NDF: 16090808019.6/31

Left Out: 161.147+/-0.000 χ^2/NDF:3739064587.8/24

Right Out: 157.697+/-0.000 χ^2/NDF: 18380147224.3/35

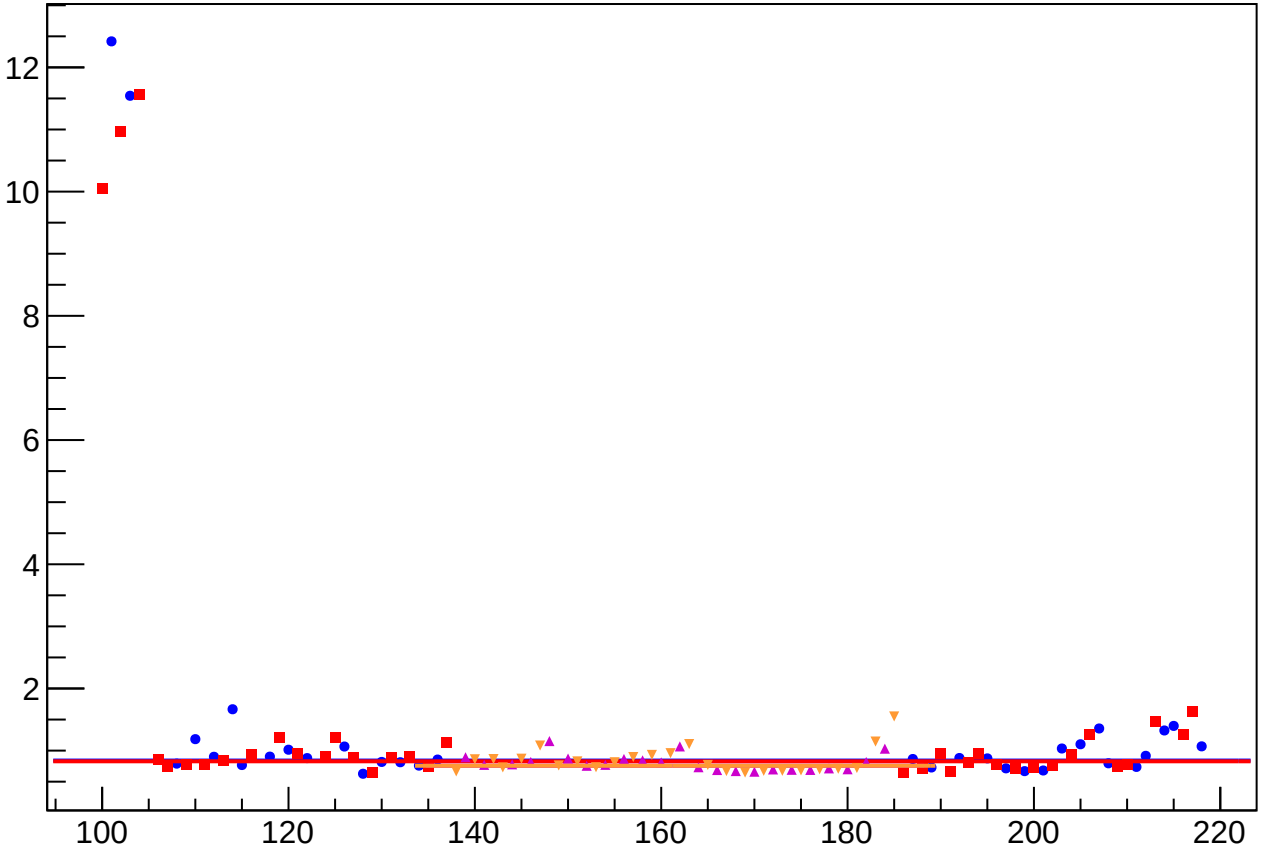
Left In: 160.140+/-0.000 χ^2/NDF:3738383186.1/22

+ sign 160.100+/-0.000 χ^2/NDF: 19892037173.0/56

All: 159.552+/-0.000 χ^2/NDF: 42101366713.

- sign 159.011+/-0.000 χ^2/NDF: 22183554917.7/58

yield_bcm0l02_rms vs Slug



Right In: 0.840+/-0.000 χ^2/NDF: 3301894.0/31

Left Out: 0.756+/-0.000 χ^2/NDF:750259.3/24

Right Out: 0.828+/-0.000 χ^2/NDF: 3243816.2/35

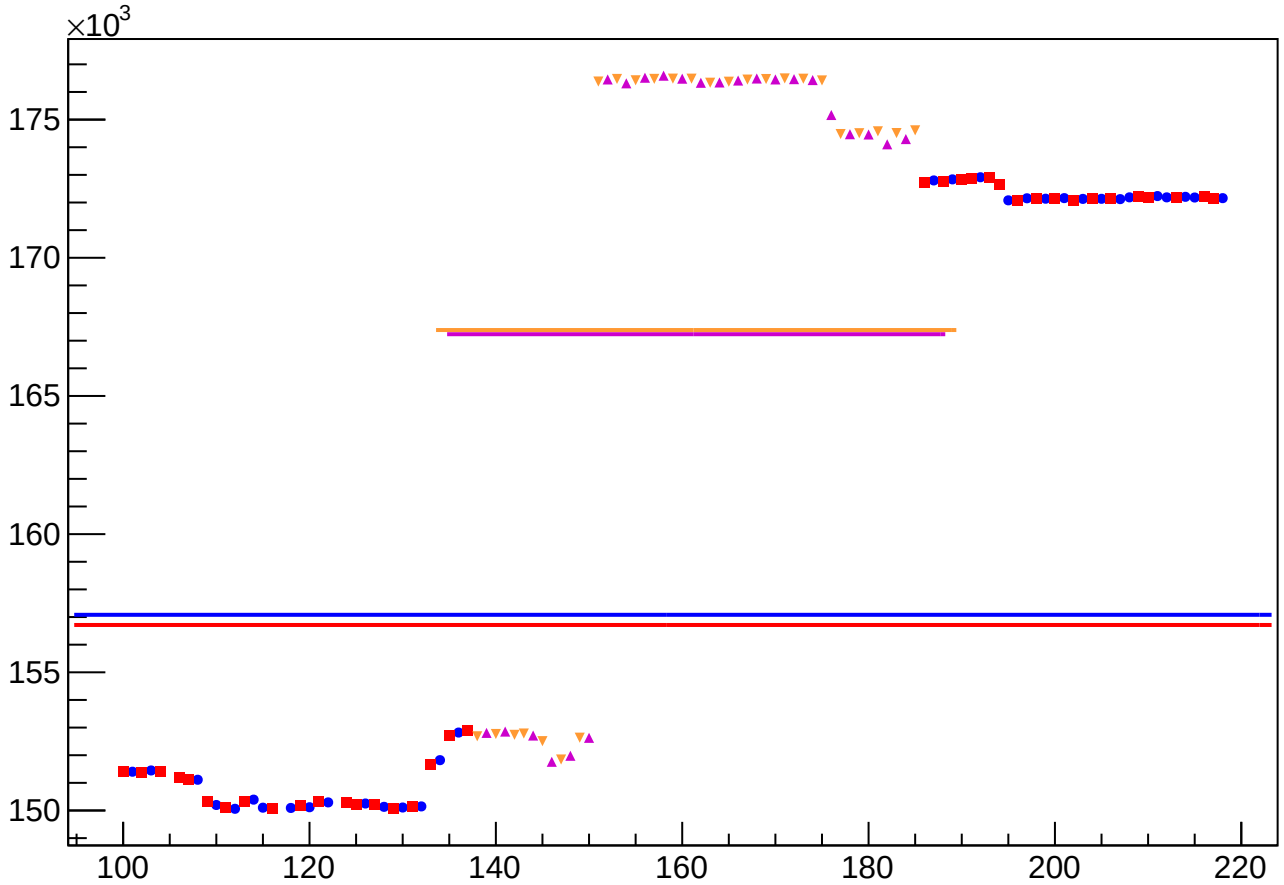
Left In: 0.755+/-0.000 χ^2/NDF:472792.1/22

+ sign 0.792+/-0.000 χ^2/NDF: 4199804.3/56

All: 0.791+/-0.000 χ^2/NDF: 8031437.3/115

- sign 0.789+/-0.000 χ^2/NDF: 3831100.5/58

yield_bpm2i01WS_mean vs Slug



Right In: 157080.732+/-0.046 χ^2/NDF: 47634106854.6/31

Left Out: 167385.483+/-0.047 χ^2/NDF:59602607546.2/24

Right Out: 156712.911+/-0.043 χ^2/NDF: 51776835641.8/35

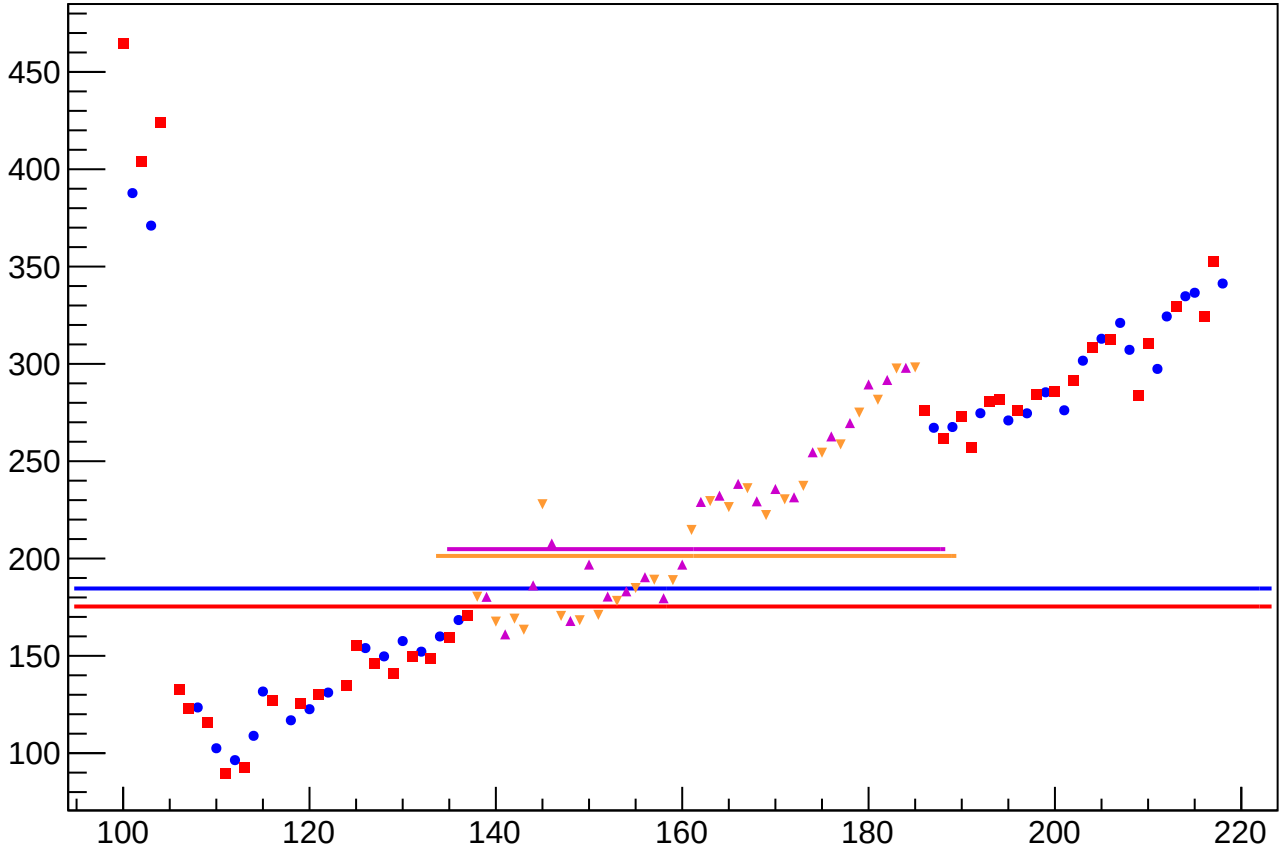
Left In: 167234.214+/-0.049 χ^2/NDF:55099214555.0/22

+ sign 162116.669+/-0.033 χ^2/NDF: 13209737015

All: 161718.027+/-0.023 χ^2/NDF: 2652925

- sign 161326.833+/-0.032 χ^2/NDF: 13290014848

yield_bpm2i01WS_rms vs Slug



Right In: 184.604+/-0.032 χ^2/NDF: 6893846.6/31

Left Out: 201.329+/-0.033 χ^2/NDF:1230655.6/24

Right Out: 175.349+/-0.031 χ^2/NDF: 7600813.2/35

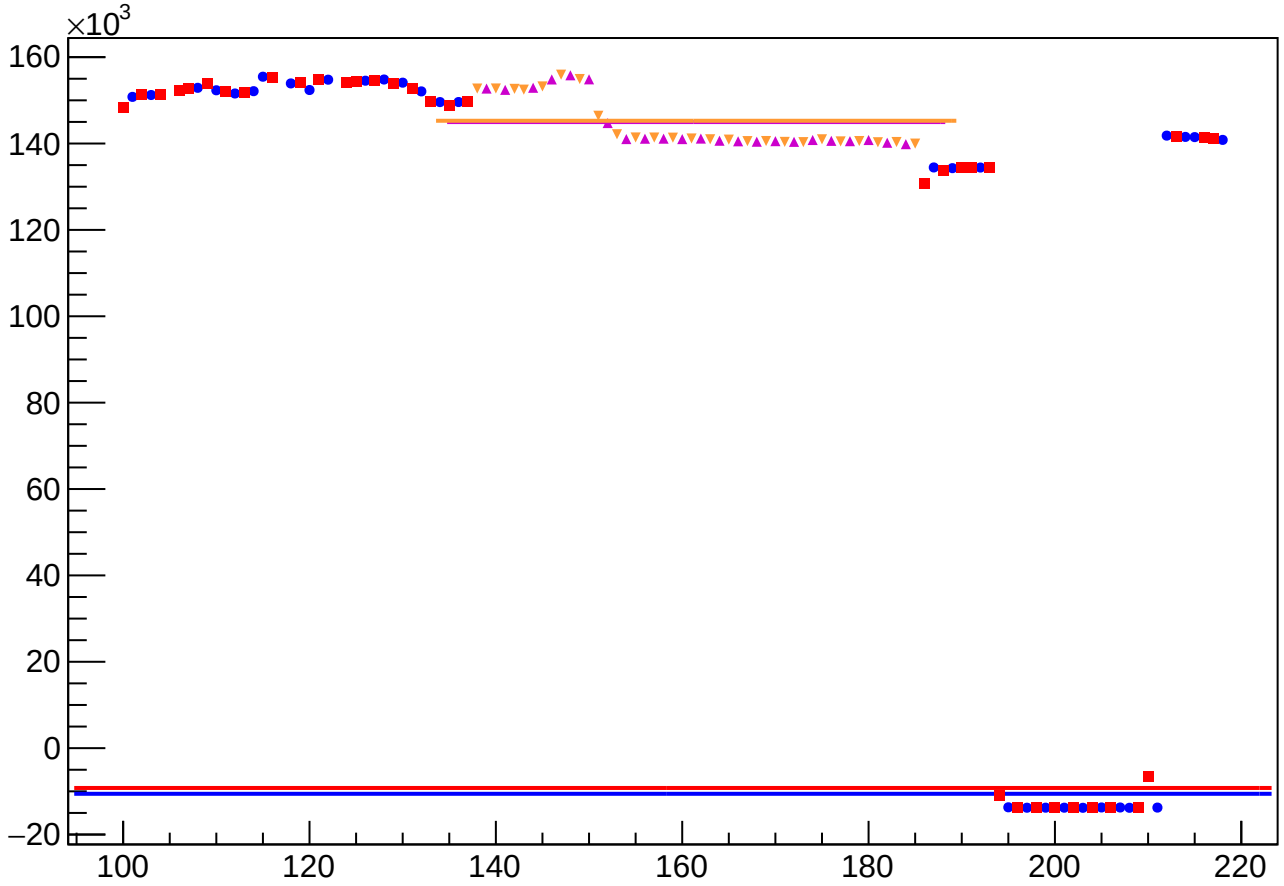
Left In: 204.826+/-0.035 χ^2/NDF:1053130.7/22

+ sign 192.777+/-0.023 χ^2/NDF: 8255479.1/56

All: 190.505+/-0.016 χ^2/NDF: 17337113.4/11

- sign 188.276+/-0.023 χ^2/NDF: 9062470.0/58

yield_bpm0i07WS_mean vs Slug



Right In: -10567.935+/-0.009 χ^2/NDF: 6683905702291.2/31

Left Out: 145269.857+/-0.049 χ^2/NDF:13706269279.5/24

Right Out: -9217.381+/-0.009 χ^2/NDF: 7686356218932.6/35

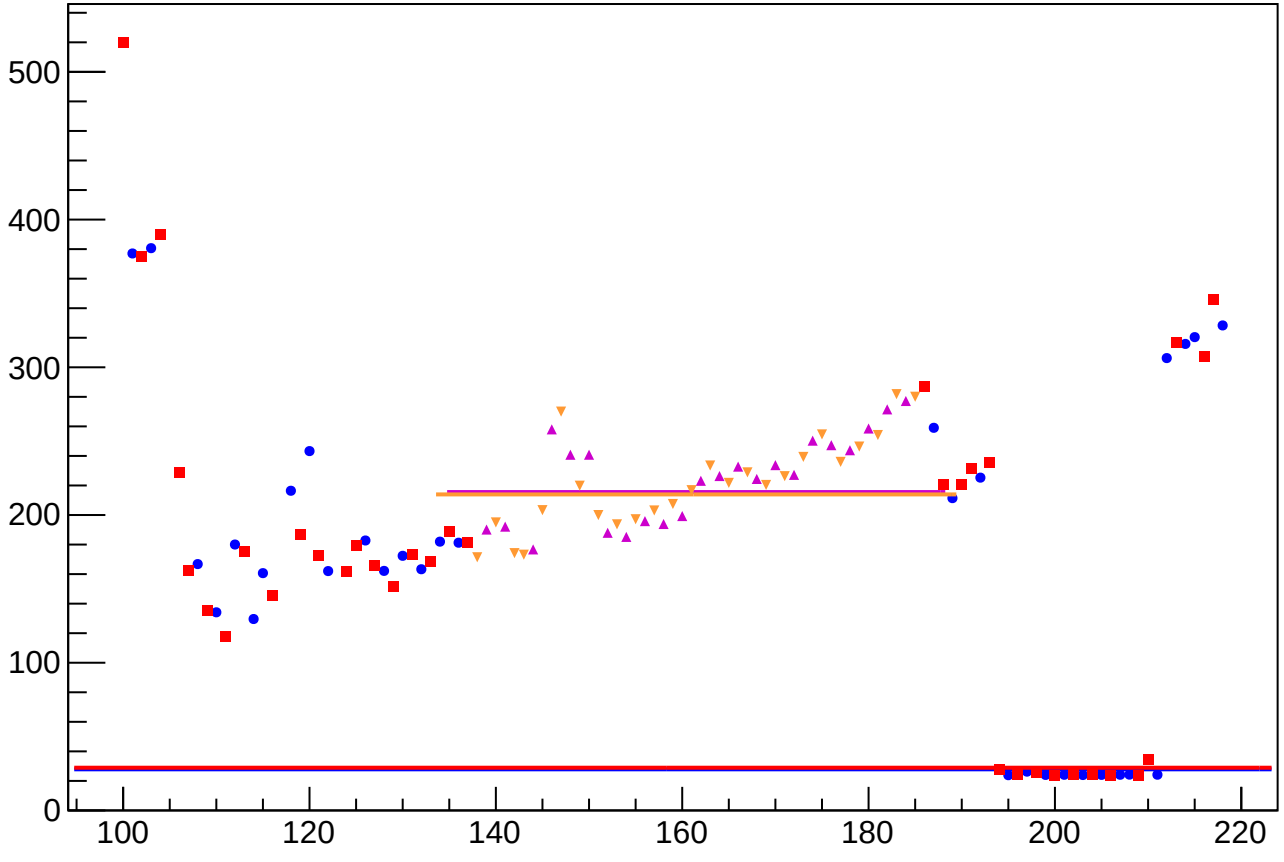
Left In: 144966.398+/-0.051 χ^2/NDF:13154547043.3/22

+ sign -5838.634+/-0.009 χ^2/NDF: 1635204354271

All: -5083.416+/-0.006 χ^2/NDF: 3284101458

- sign -4215.639+/-0.009 χ^2/NDF: 16472412178762

yield_bpm0i07WS_rms vs Slug



Right In: 27.848+/-0.006 χ^2/NDF: 18525759.2/31

Left Out: 213.951+/-0.035 χ^2/NDF:650607.8/24

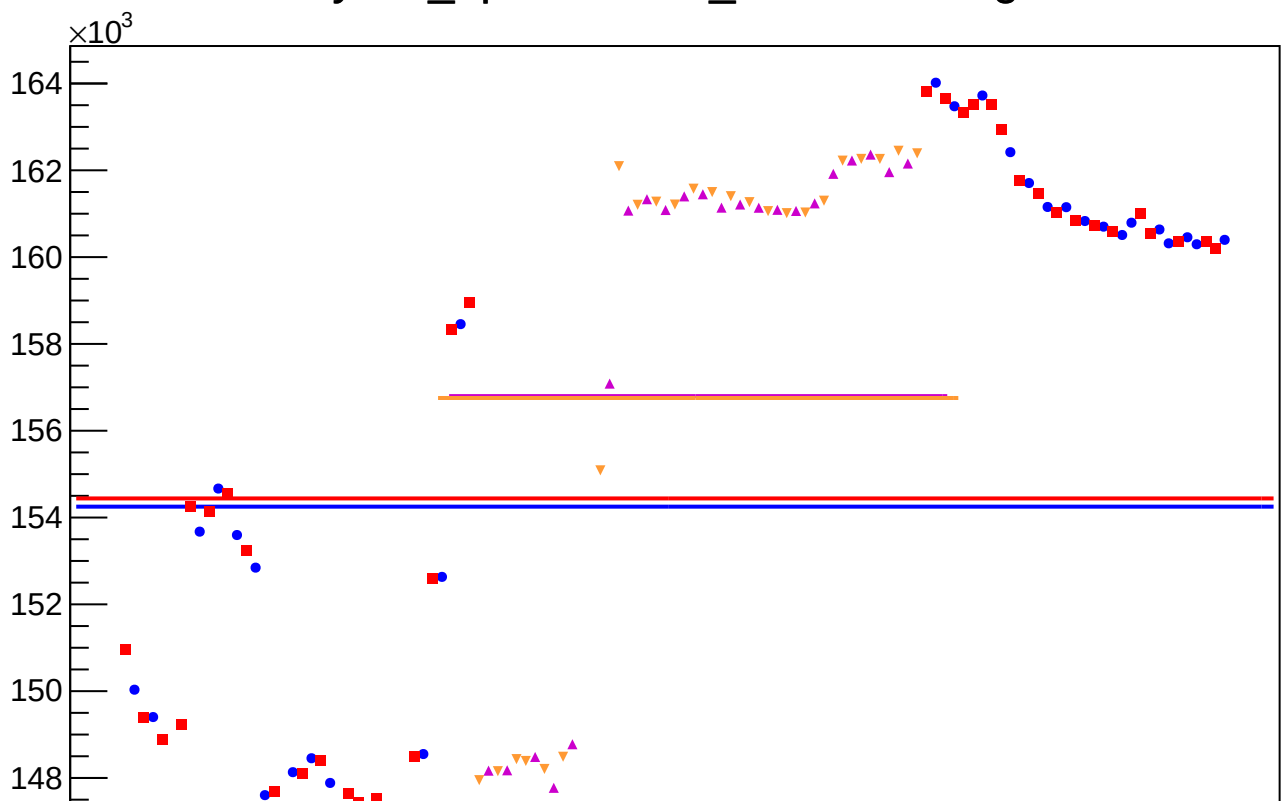
Right Out: 28.933+/-0.007 χ^2/NDF: 18653602.7/35

Left In: 215.539+/-0.036 χ^2/NDF:600575.7/22

+ sign 33.496+/-0.006 χ^2/NDF: 46713513.2/56

All: 34.190+/-0.004 χ^2/NDF: 91696253.4/115

- sign 34.987+/-0.007 χ^2/NDF: 44954783.1/58



Right In: 154250.999+/-0.051 χ^2/NDF: 12897745821.2/31

Left Out: 156754.233+/-0.049 χ^2/NDF:16380807583.4/24

Right Out: 154440.188+/-0.049 χ^2/NDF: 13601275321.6/35

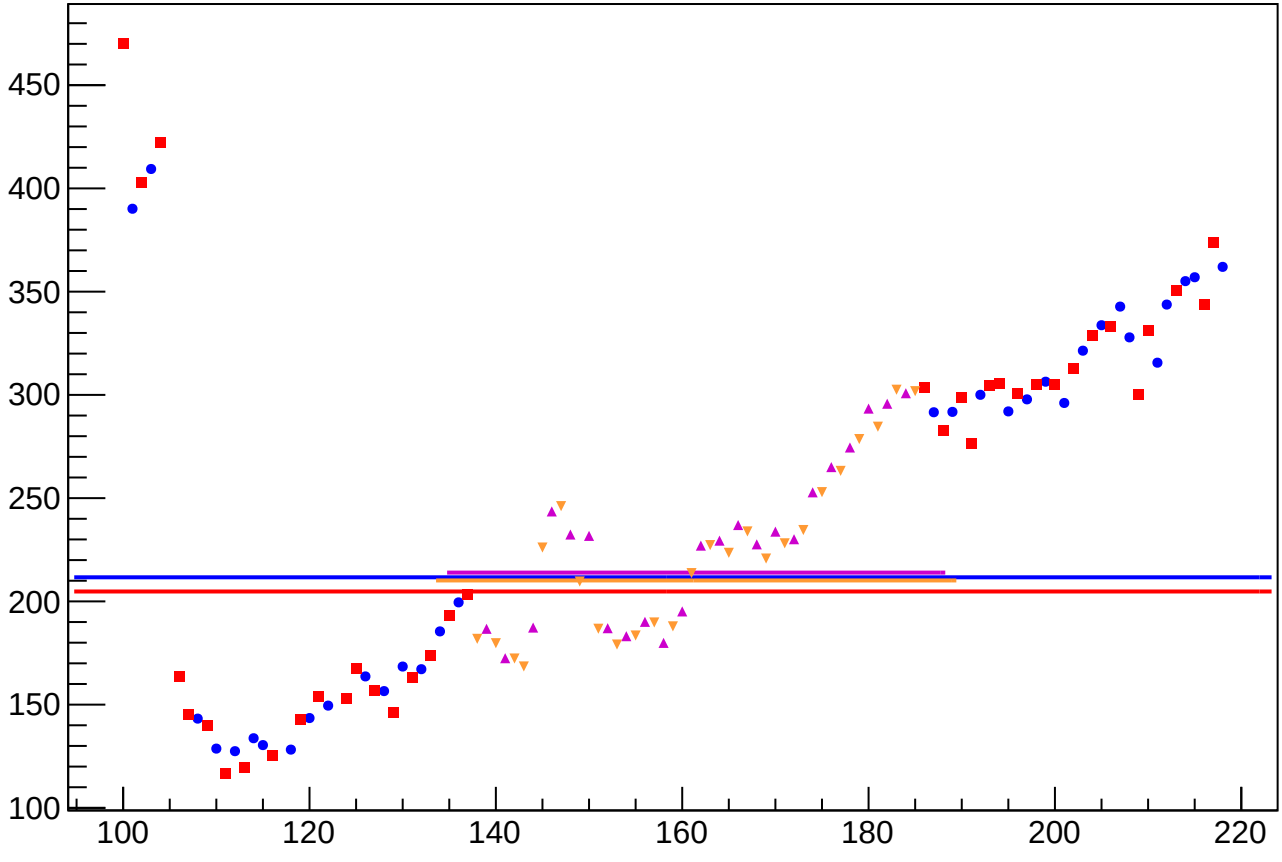
Left In: 156798.005+/-0.051 χ^2/NDF:14344098884.4/22

+ sign 155572.850+/-0.035 χ^2/NDF: 30528582076.

All: 155578.625+/-0.025 χ^2/NDF: 595762059

- sign 155584.450+/-0.035 χ^2/NDF: 29047570195.9

yield_bpm0i01WS_rms vs Slug



Right In: 211.665+/-0.036 χ^2/NDF: 5714865.8/31

Left Out: 210.142+/-0.034 χ^2/NDF:997802.7/24

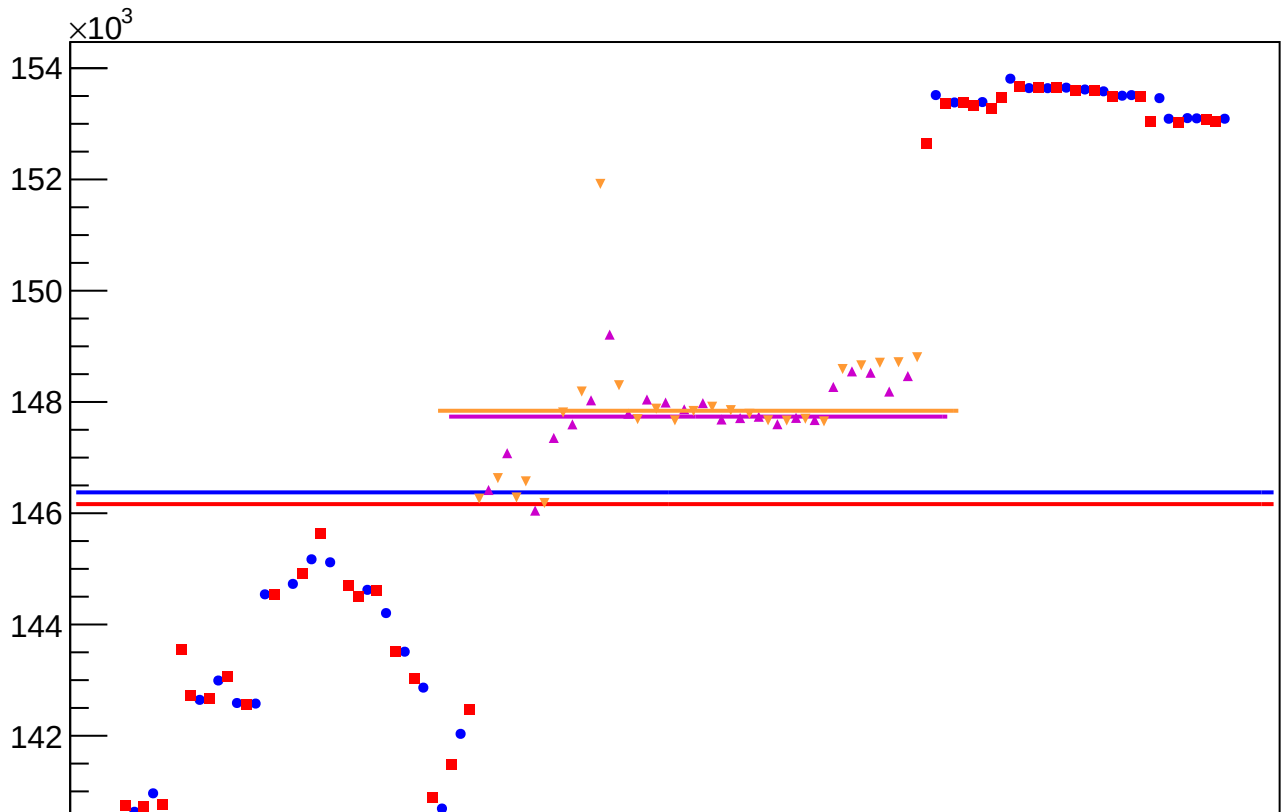
Right Out: 204.794+/-0.035 χ^2/NDF: 6061526.9/35

Left In: 213.945+/-0.036 χ^2/NDF:914465.3/22

+ sign 210.861+/-0.025 χ^2/NDF: 6713594.3/56

All: 210.052+/-0.018 χ^2/NDF: 13724898.4/11

- sign 209.235+/-0.025 χ^2/NDF: 7009197.4/58



Right In: 146375.079+/-0.044 χ^2/NDF: 11551646216.6/31

Left Out: 147842.157+/-0.045 χ^2/NDF:713066054.2/24

Right Out: 146163.875+/-0.042 χ^2/NDF: 12387255213.5/35

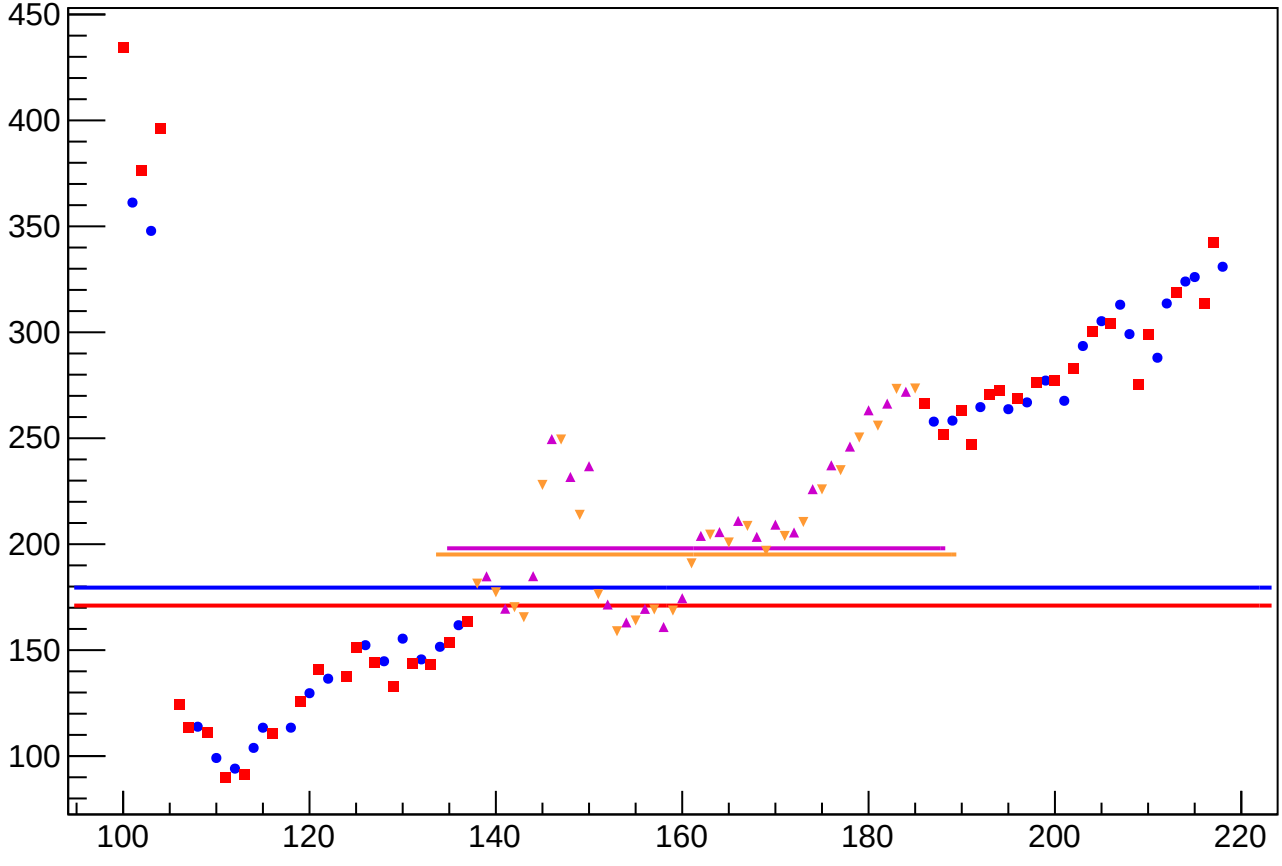
Left In: 147736.722+/-0.047 χ^2/NDF:227077133.0/22

+ sign 147096.822+/-0.032 χ^2/NDF: 12801571845.

All: 146977.293+/-0.022 χ^2/NDF: 26063728

- sign 146859.790+/-0.031 χ^2/NDF: 13233881166.7

yield_bpm0i01aWS_rms vs Slug



Right In: 179.511+/-0.031 χ^2/NDF: 6824091.8/31

Left Out: 195.145+/-0.032 χ^2/NDF:903994.2/24

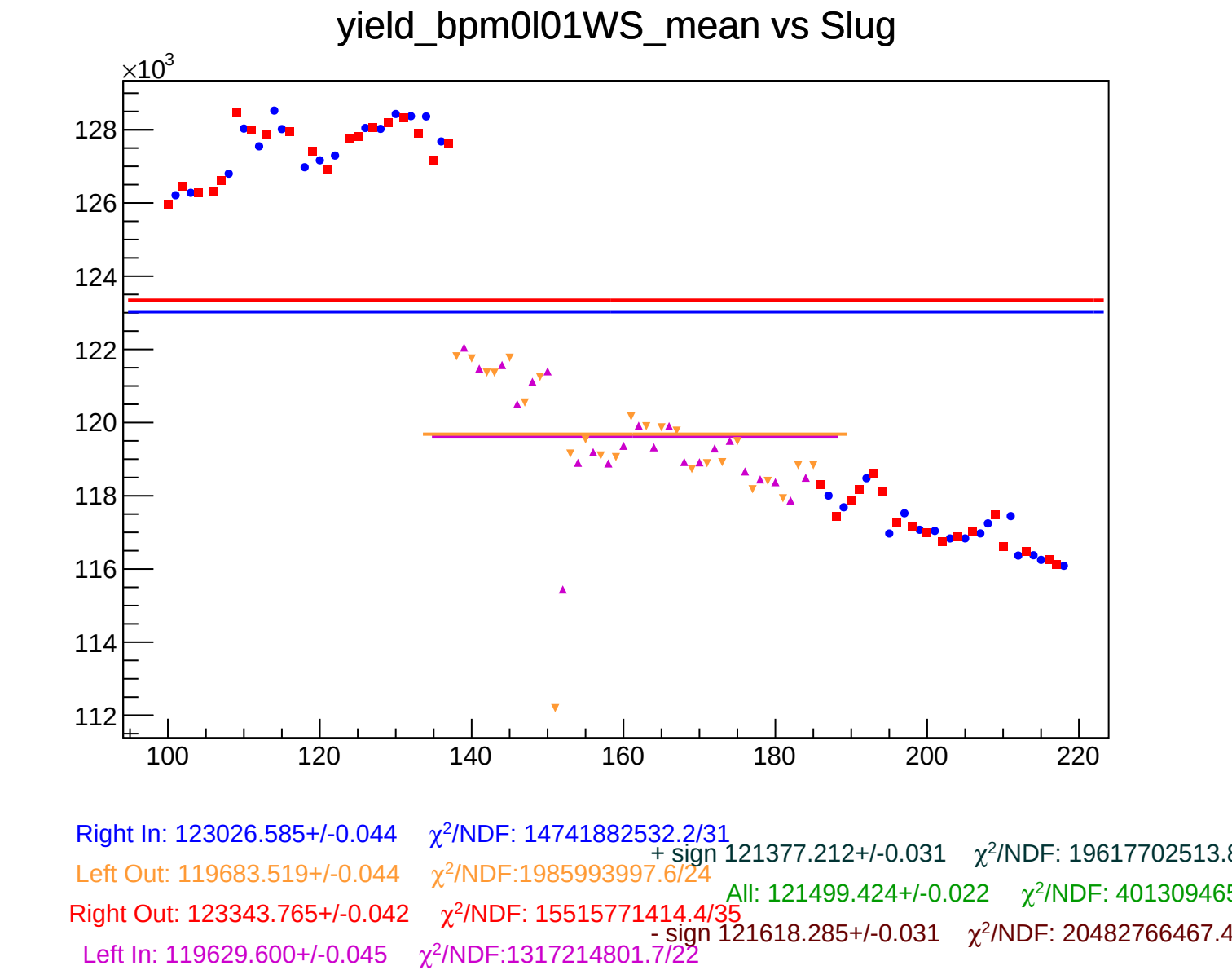
Right Out: 171.030+/-0.030 χ^2/NDF: 7427306.3/35

Left In: 198.057+/-0.033 χ^2/NDF:900359.1/22

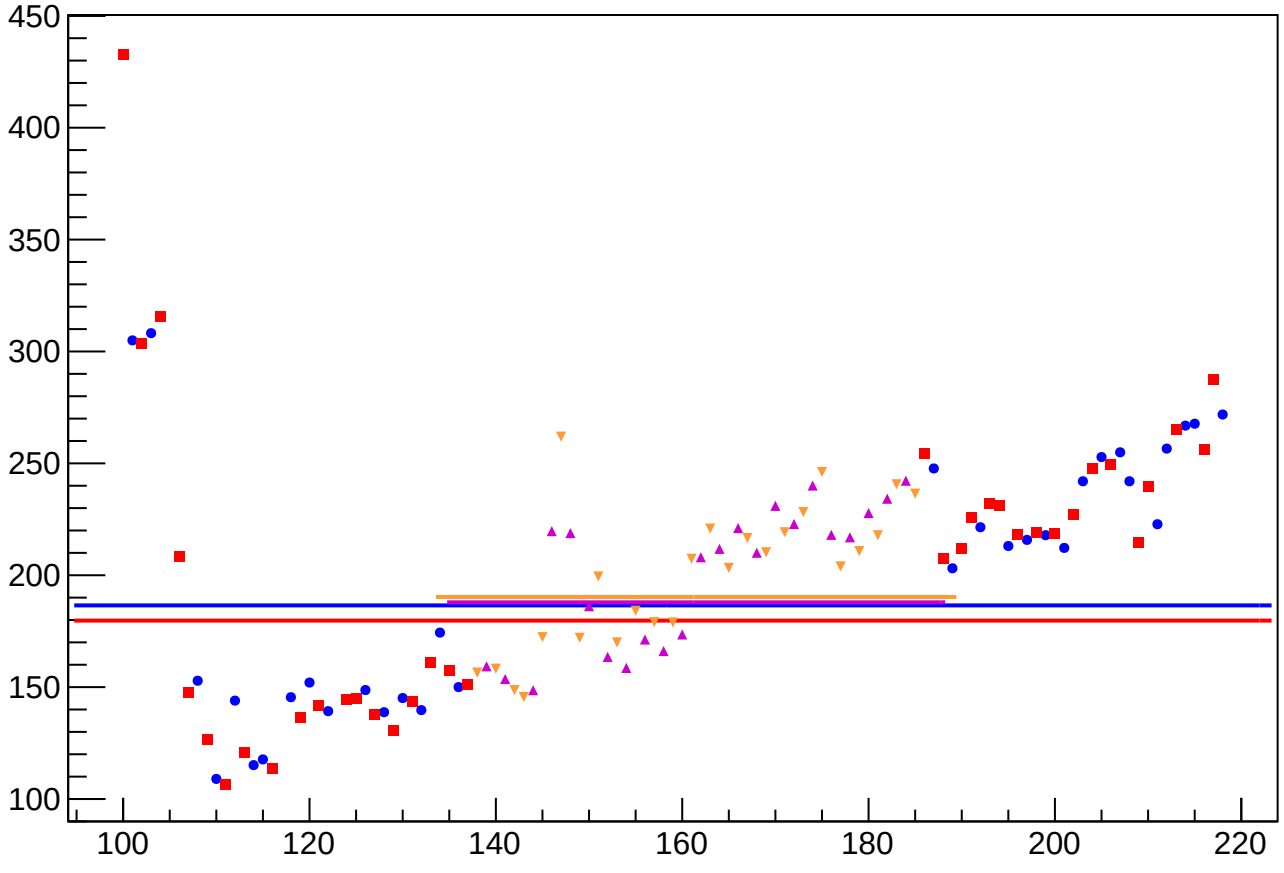
+ sign 187.203+/-0.022 χ^2/NDF: 7850021.1/56

All: 185.077+/-0.016 χ^2/NDF: 16561437.3/11

- sign 182.988+/-0.022 χ^2/NDF: 8693536.5/58


yield_bpm0l01WS_mean vs Slug
×10^3
128
126
124
122
120
118
116
114
112
100
120
140
160
180
200
220
Right In: 123026.585+/-0.044 χ²/NDF: 14741882532.2/31
Left Out: 119683.519+/-0.044 χ²/NDF:1985993997.6/24
Right Out: 123343.765+/-0.042 χ²/NDF: 15515771414.4/35
Left In: 119629.600+/-0.045 χ²/NDF:1317214801.7/22
+ sign 121377.212+/-0.031 χ²/NDF: 19617702513.8
All: 121499.424+/-0.022 χ²/NDF: 40130946
- sign 121618.285+/-0.031 χ²/NDF: 20482766467.4

yield_bpm0l01WS_rms vs Slug



Right In: 186.523+/-0.031 χ^2/NDF: 2959248.7/31

Left Out: 190.298+/-0.031 χ^2/NDF:924542.3/24

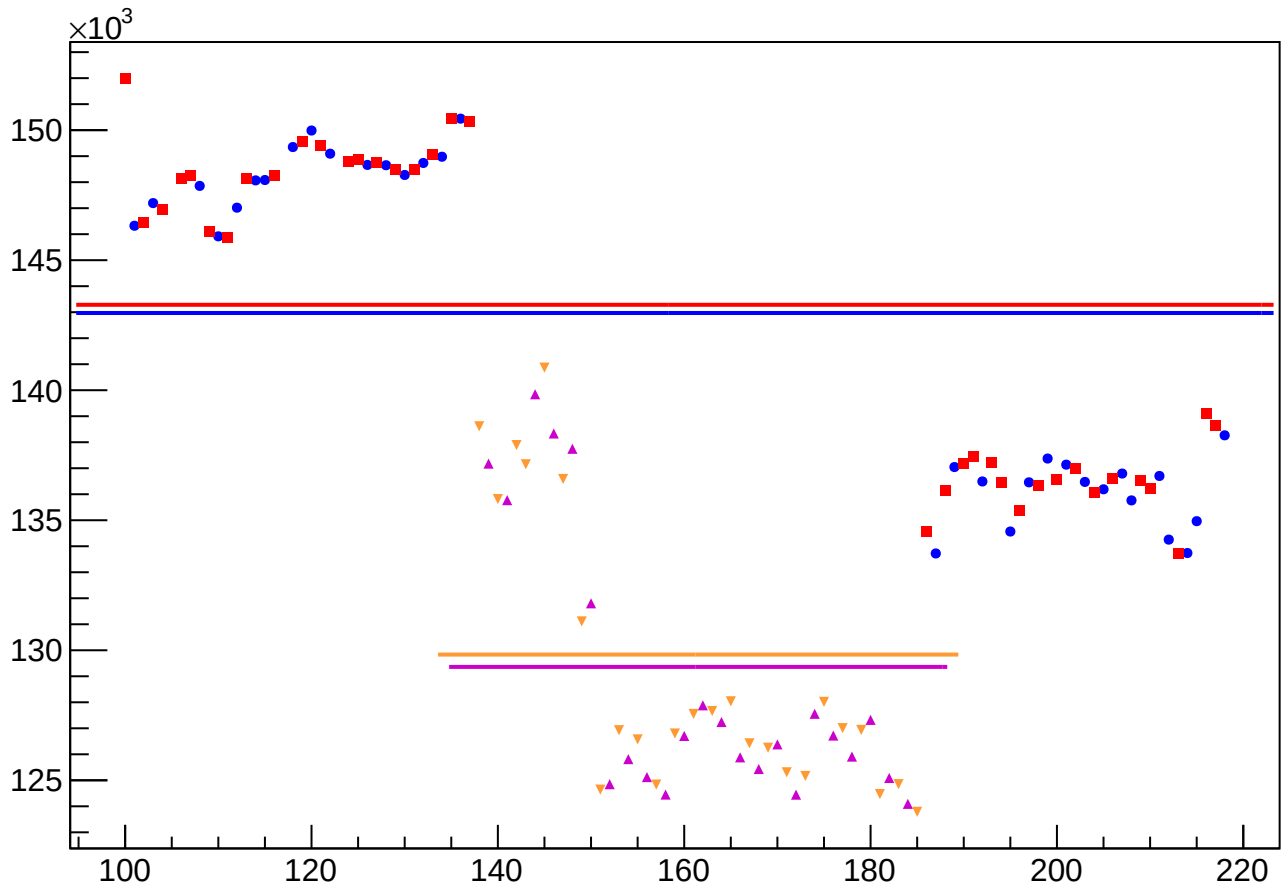
Right Out: 179.732+/-0.030 χ^2/NDF: 3509059.3/35

Left In: 187.909+/-0.032 χ^2/NDF:926037.0/22

+ sign 188.385+/-0.022 χ^2/NDF: 3891158.0/56

All: 185.924+/-0.015 χ^2/NDF: 8386356.2/115

- sign 183.531+/-0.022 χ^2/NDF: 4470477.4/58



Right In: 142969.650+/-0.061 χ^2/NDF: 10671529101.5/31

Left Out: 129834.437+/-0.064 χ^2/NDF:6793515279.7/24

Right Out: 143284.707+/-0.058 χ^2/NDF: 10515022870.0/35

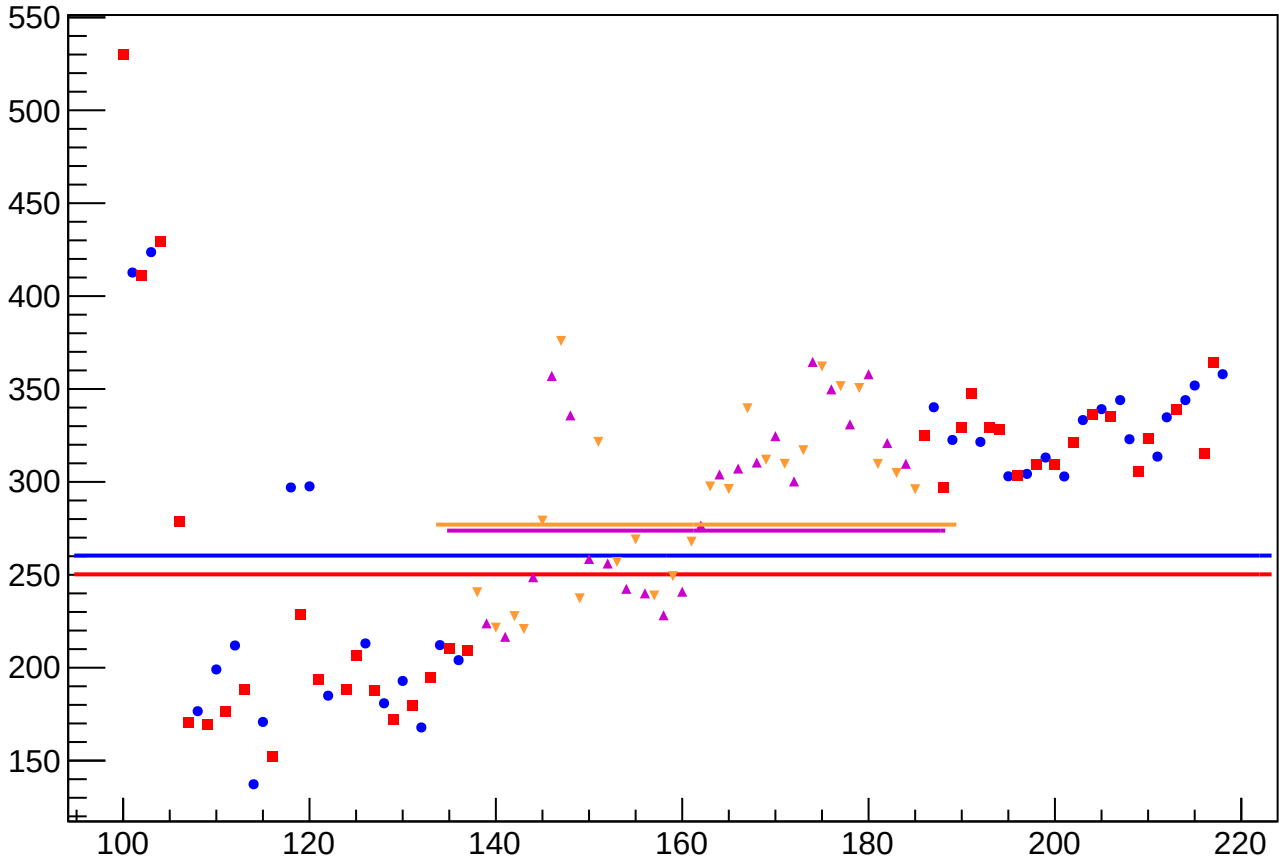
Left In: 129360.487+/-0.065 χ^2/NDF:6626094577.9/22

+ sign 136746.836+/-0.044 χ^2/NDF: 39495009110.

All: 136942.709+/-0.031 χ^2/NDF: 82011201

- sign 137132.030+/-0.043 χ^2/NDF: 42477551129.8

yield_bpm0l02WS_rms vs Slug



Right In: 260.355+/-0.043 χ^2/NDF: 2931131.1/31

Left Out: 277.021+/-0.045 χ^2/NDF:946602.2/24

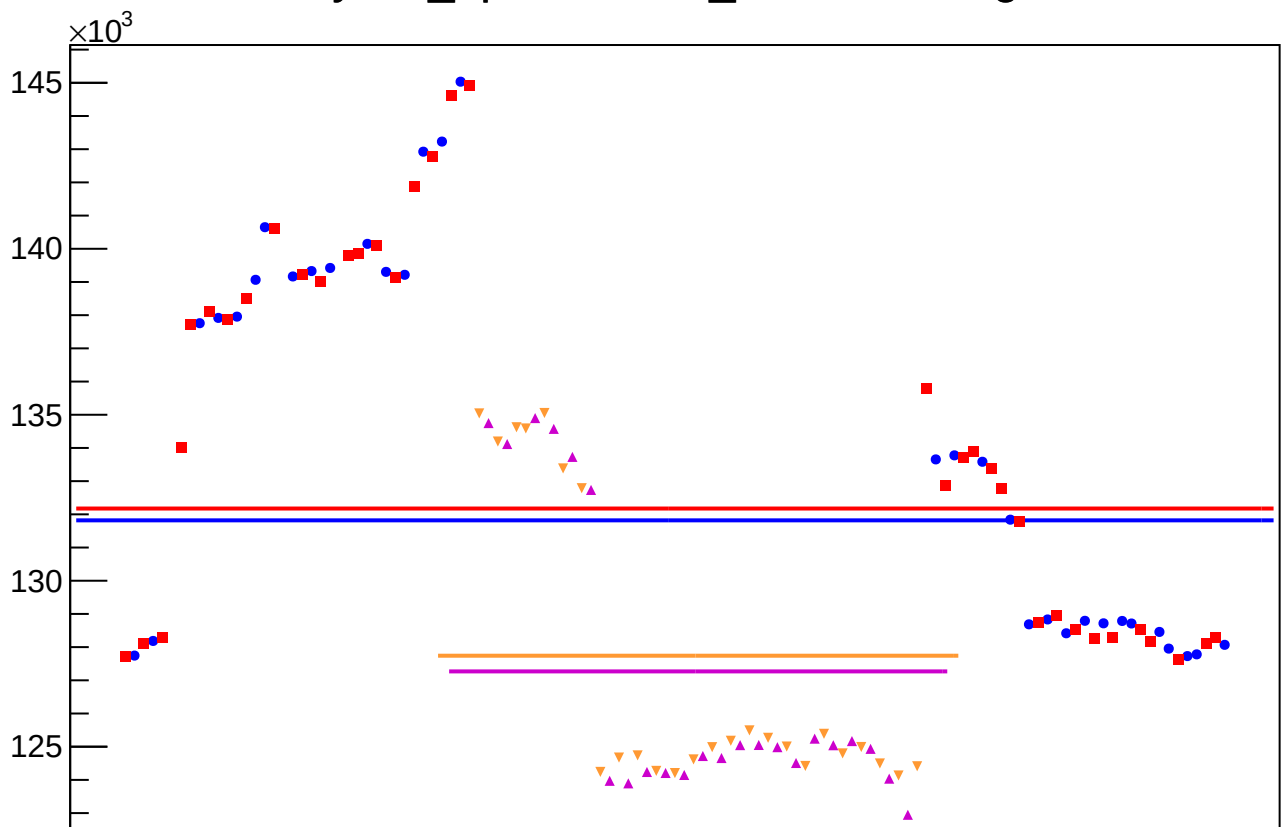
Right Out: 250.245+/-0.041 χ^2/NDF: 3204633.3/35

Left In: 273.784+/-0.046 χ^2/NDF:1003910.6/22

+ sign 268.250+/-0.031 χ^2/NDF: 3948666.8/56

All: 264.384+/-0.022 χ^2/NDF: 8332138.1/115

- sign 260.647+/-0.031 χ^2/NDF: 4353357.8/58



Right In: 131818.980+/-0.097 χ^2/NDF: 2966698650.1/31

Left Out: 127741.156+/-0.136 χ^2/NDF:1092529845.6/24

Right Out: 132175.206+/-0.099 χ^2/NDF: 2210102566.9/35

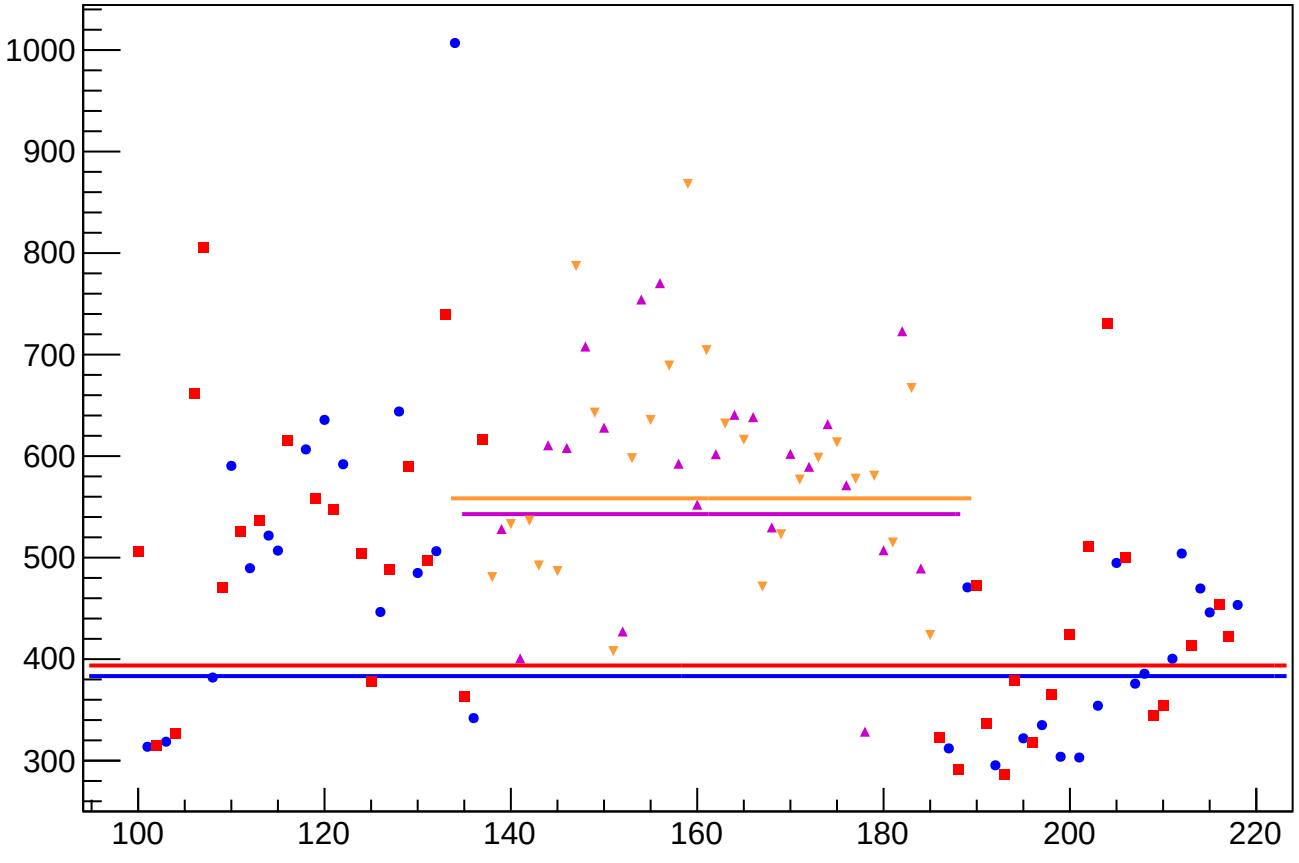
Left In: 127268.542+/-0.139 χ^2/NDF:971404491.0/22

+ sign 130445.094+/-0.079 χ^2/NDF: 4659106831.2

All: 130482.830+/-0.056 χ^2/NDF: 8672159

- sign 130522.265+/-0.080 χ^2/NDF: 4012582422.0/

yield_bpm0l03WS_rms vs Slug



Right In: 383.318+/-0.068 χ^2/NDF: 1796266.3/31

Left Out: 558.373+/-0.096 χ^2/NDF:968289.3/24

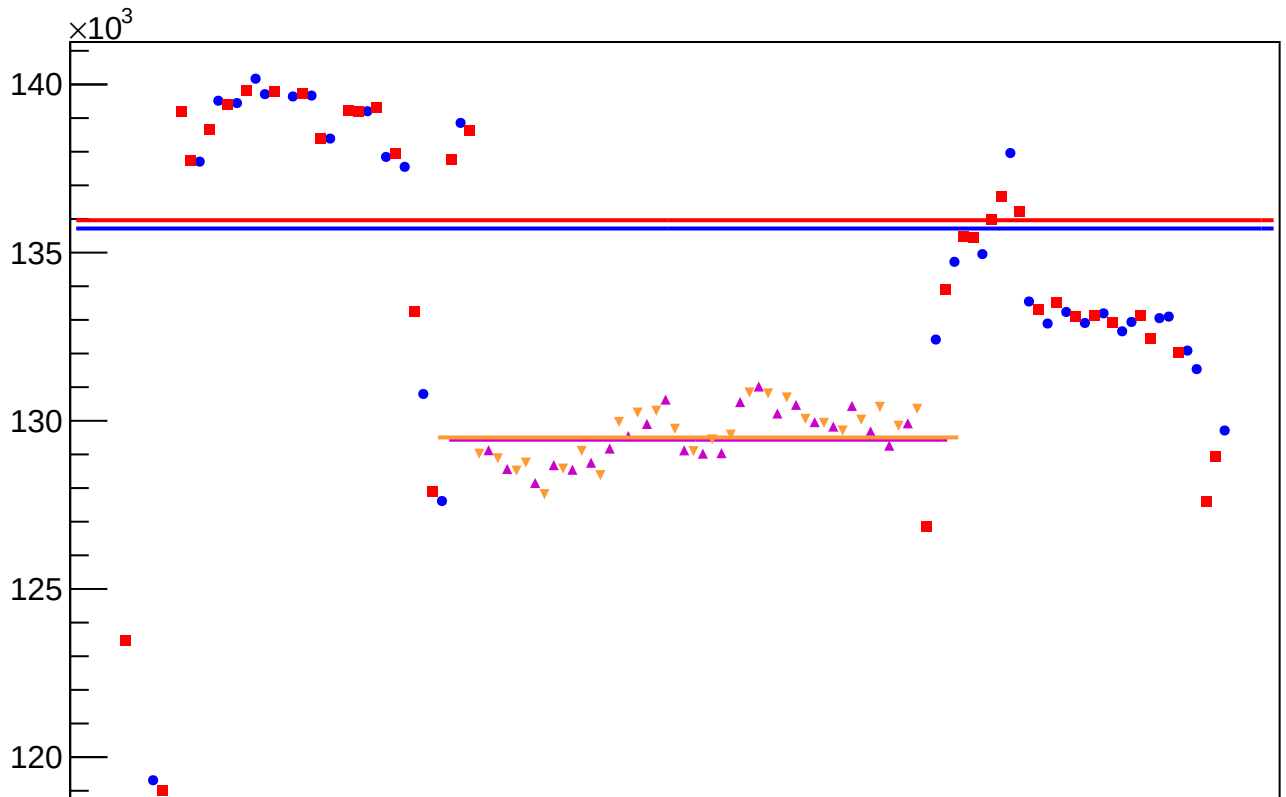
Right Out: 393.753+/-0.070 χ^2/NDF: 2034453.1/35

Left In: 542.872+/-0.098 χ^2/NDF:1416690.9/22

+ sign 442.297+/-0.056 χ^2/NDF: 4975544.4/56

All: 443.124+/-0.040 χ^2/NDF: 9962329.2/115

- sign 443.988+/-0.057 χ^2/NDF: 4986333.0/58



Right In: 135716.532+/-0.056 χ^2/NDF: 7056630394.6/31

Left Out: 129504.922+/-0.047 χ^2/NDF:299464438.2/24

Right Out: 135962.872+/-0.054 χ^2/NDF: 7799784929.8/35

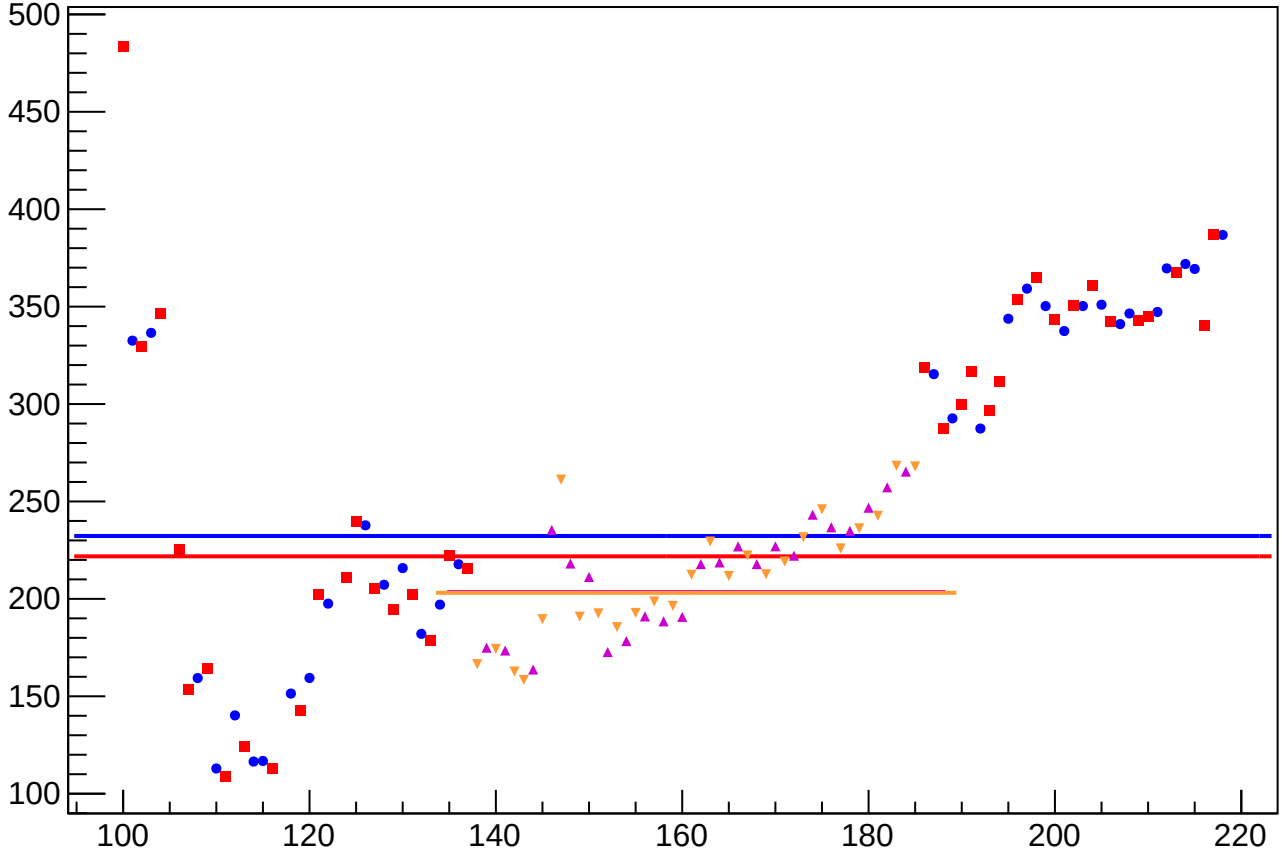
Left In: 129437.551+/-0.048 χ^2/NDF:269025464.3/22

+ sign 132046.988+/-0.036 χ^2/NDF: 14505025126.

All: 132205.939+/-0.025 χ^2/NDF: 30752493

- sign 132363.546+/-0.036 χ^2/NDF: 16208906397.

yield_bpm0l04WS_rms vs Slug



Right In: 232.285+/-0.040 χ^2/NDF: 5414439.4/31

Left Out: 203.129+/-0.033 χ^2/NDF:758448.5/24

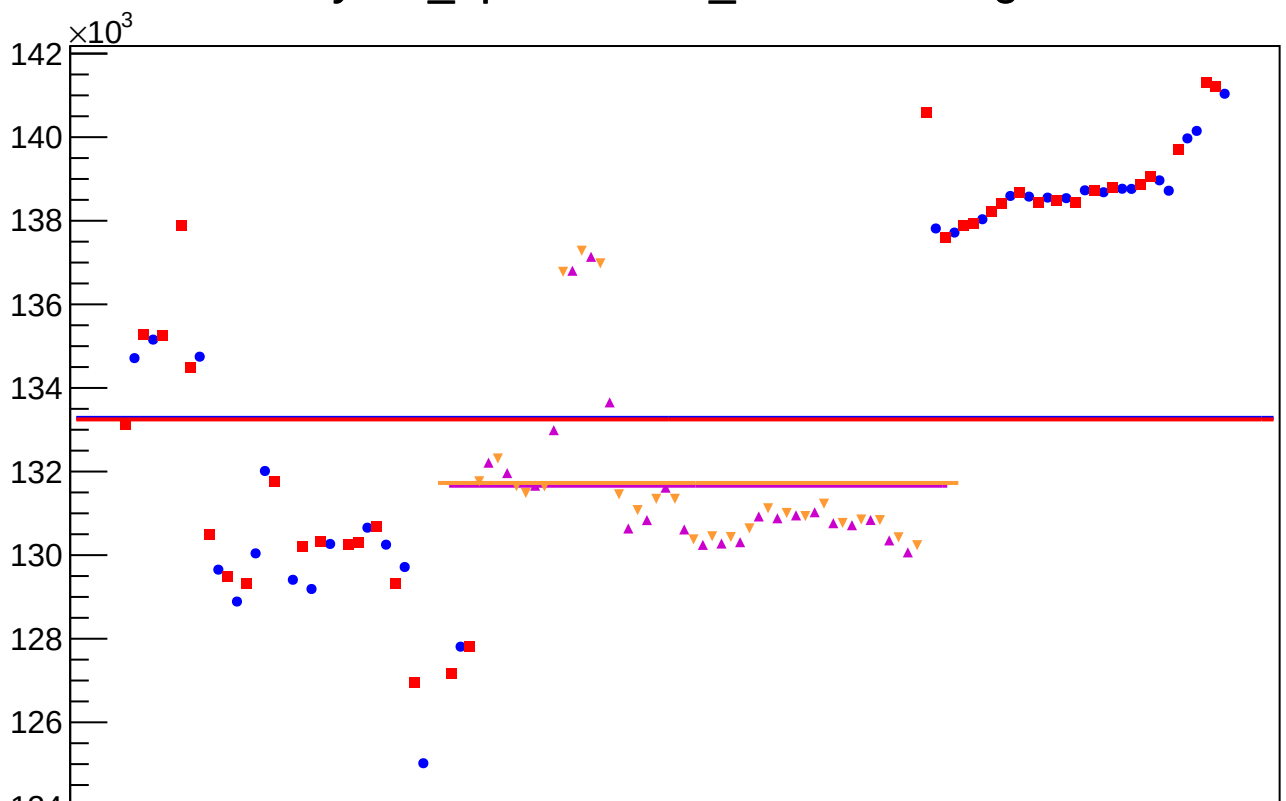
Right Out: 221.822+/-0.038 χ^2/NDF: 6029733.1/35

Left In: 203.546+/-0.034 χ^2/NDF:666043.6/22

+ sign 215.061+/-0.026 χ^2/NDF: 6487891.1/56

All: 213.394+/-0.018 χ^2/NDF: 13319855.4/11

- sign 211.742+/-0.025 χ^2/NDF: 6823484.6/58



Right In: 133284.291+/-0.051 χ^2/NDF: 10395755754.1/31

Left Out: 131727.086+/-0.047 χ^2/NDF:1425045697.6/24

Right Out: 133246.965+/-0.048 χ^2/NDF: 10459263295.3/35

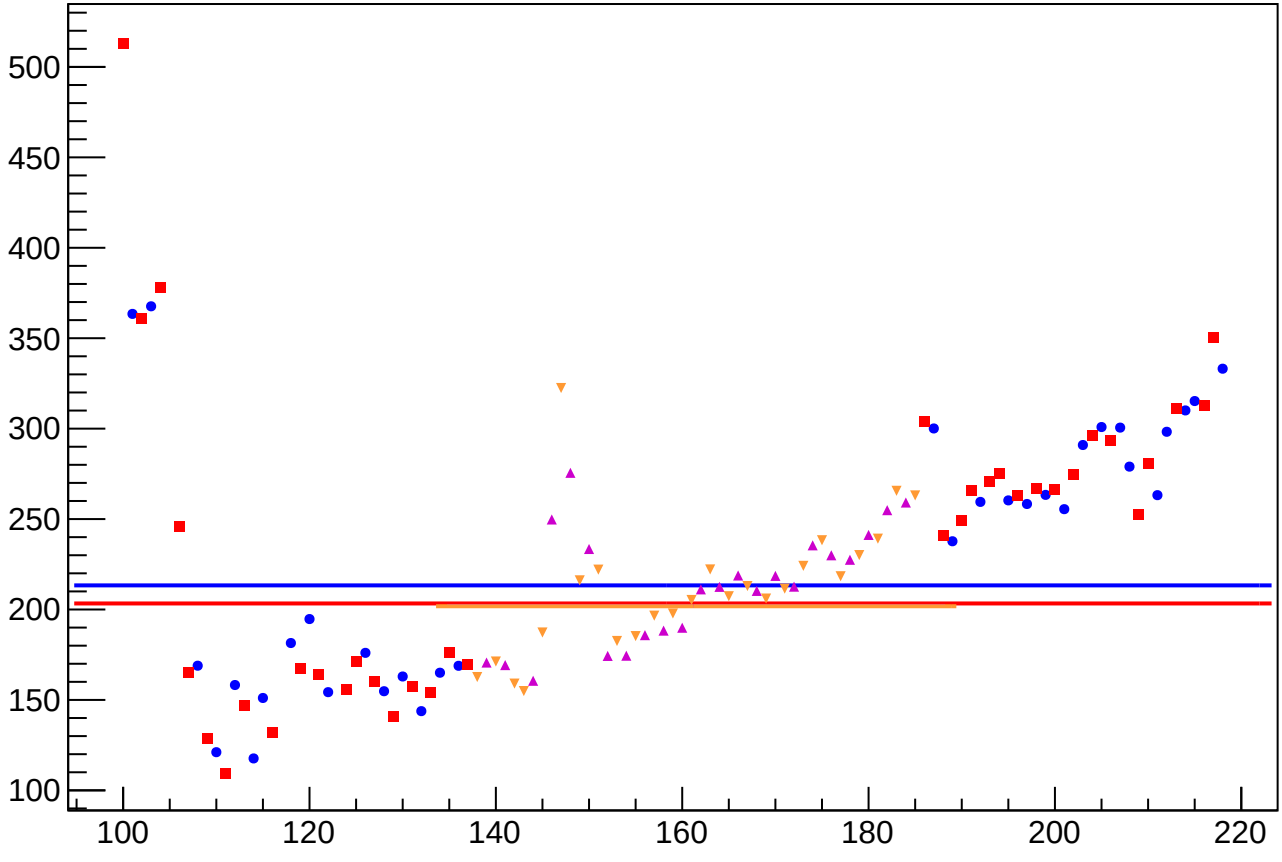
Left In: 131660.490+/-0.048 χ^2/NDF:1164380319.7/22

+ sign 132447.147+/-0.034 χ^2/NDF: 12331756445.

All: 132451.015+/-0.024 χ^2/NDF: 24498378

- sign 132454.815+/-0.034 χ^2/NDF: 12166596786.

yield_bpm0l05WS_rms vs Slug



Right In: 213.336+/-0.036 χ^2/NDF: 3560458.3/31

Left Out: 201.798+/-0.033 χ^2/NDF:905352.1/24

Right Out: 203.340+/-0.034 χ^2/NDF: 4390820.2/35

Left In: 201.947+/-0.034 χ^2/NDF:802700.2/22

+ sign 207.133+/-0.024 χ^2/NDF: 4521911.0/56

All: 204.869+/-0.017 χ^2/NDF: 9733499.9/115

- sign 202.644+/-0.024 χ^2/NDF: 5194357.7/58

Right In: 3515.729+/-0.005 χ^2/NDF: 5608905928654.3/31

Left Out: 129050.458+/-0.045 χ^2/NDF:530879250.1/24

Right Out: 3939.121+/-0.005 χ^2/NDF: 6326130916238.7/35

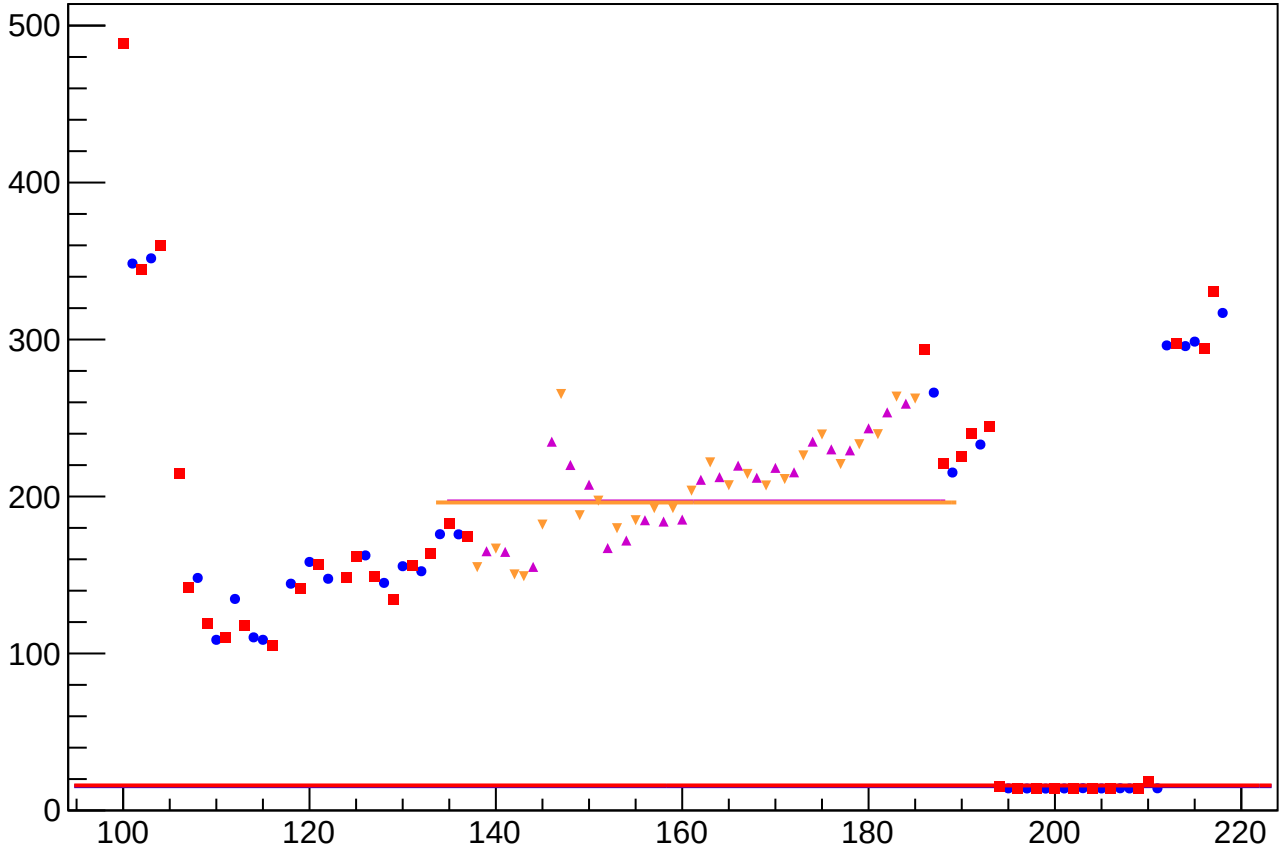
Left In: 128783.852+/-0.047 χ^2/NDF:655675405.6/22

+ sign 5046.234+/-0.005 χ^2/NDF: 13131610296299

All: 5304.178+/-0.004 χ^2/NDF: 2645643756

- sign 5604.028+/-0.005 χ^2/NDF: 13319124681828

yield_bpm0l06WS_rms vs Slug



Right In: 15.481+/-0.004 χ^2/NDF: 20731702.8/31

Left Out: 196.203+/-0.032 χ^2/NDF:922826.1/24

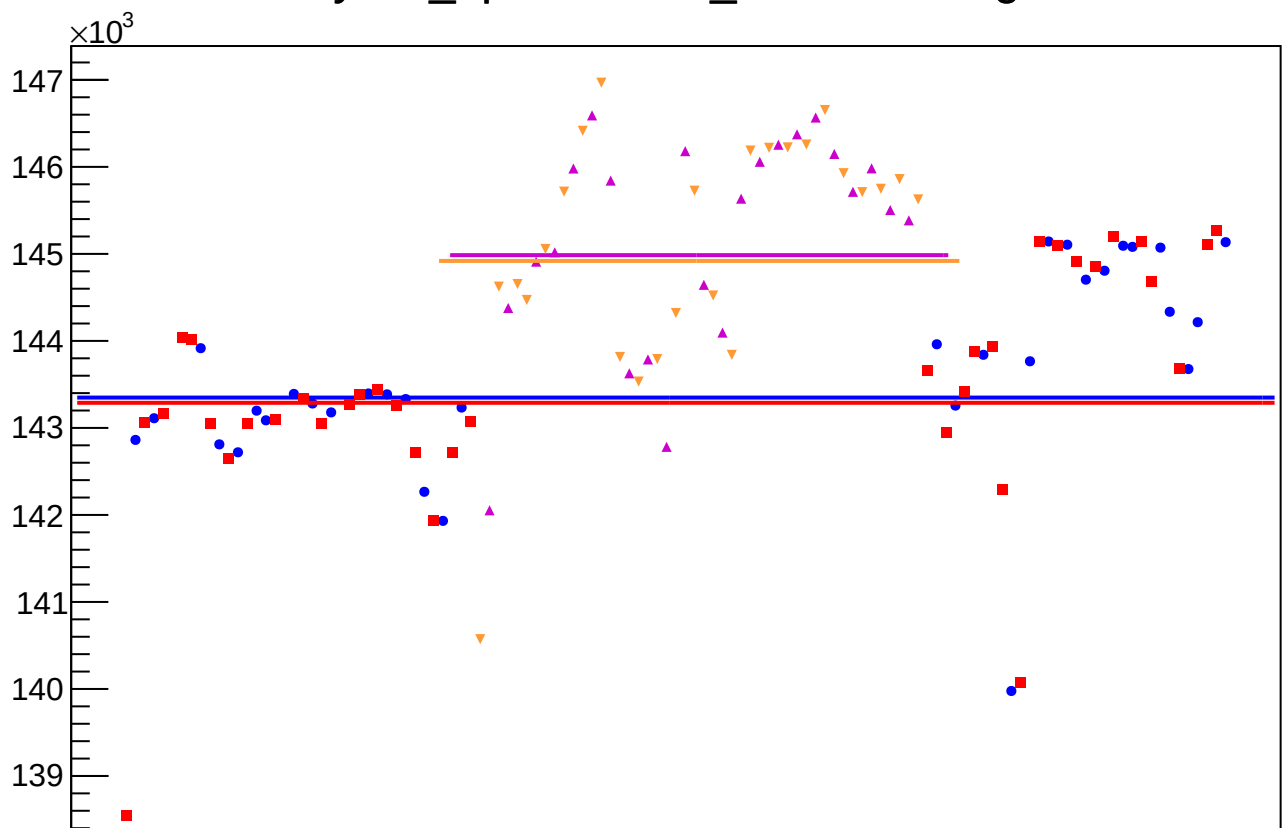
Right Out: 15.919+/-0.004 χ^2/NDF: 21066196.9/35

Left In: 196.840+/-0.033 χ^2/NDF:773052.6/22

+ sign 17.684+/-0.004 χ^2/NDF: 52833845.3/56

All: 17.984+/-0.003 χ^2/NDF: 104057543.3/11

- sign 18.332+/-0.004 χ^2/NDF: 51208348.6/58



Right In: 143348.718+/-0.055 χ^2/NDF: 300290162.6/31

Left Out: 144919.479+/-0.052 χ^2/NDF:835478710.7/24

Right Out: 143288.907+/-0.051 χ^2/NDF: 316207269.1/35

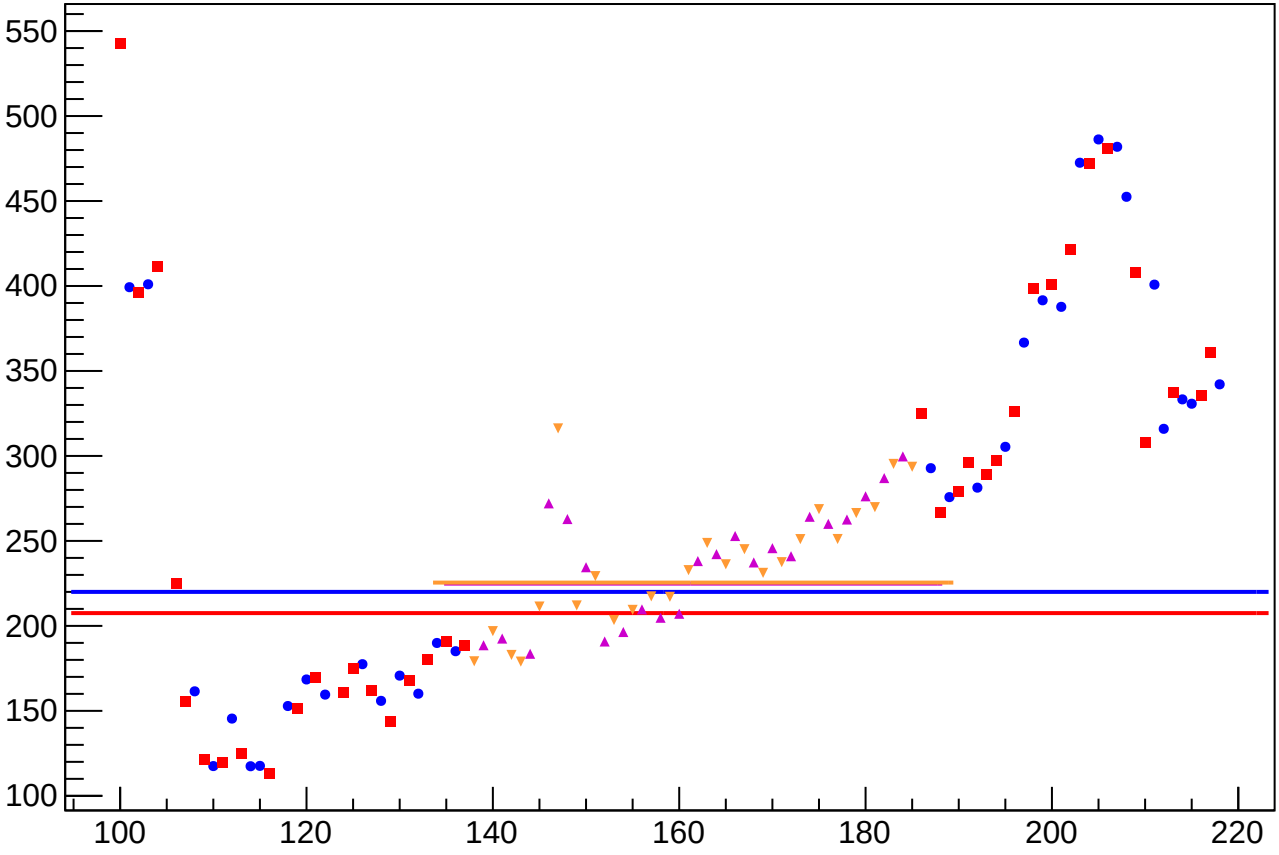
Left In: 144985.586+/-0.054 χ^2/NDF:618782558.7/22

+ sign 144168.020+/-0.038 χ^2/NDF: 1568448584.5

All: 144133.010+/-0.026 χ^2/NDF: 30290486

- sign 144099.280+/-0.037 χ^2/NDF: 1458908734.7/

yield_bpm0l07WS_rms vs Slug



Right In: 220.007+/-0.039 χ^2/NDF: 6878844.2/31

Left Out: 225.478+/-0.037 χ^2/NDF:775365.4/24

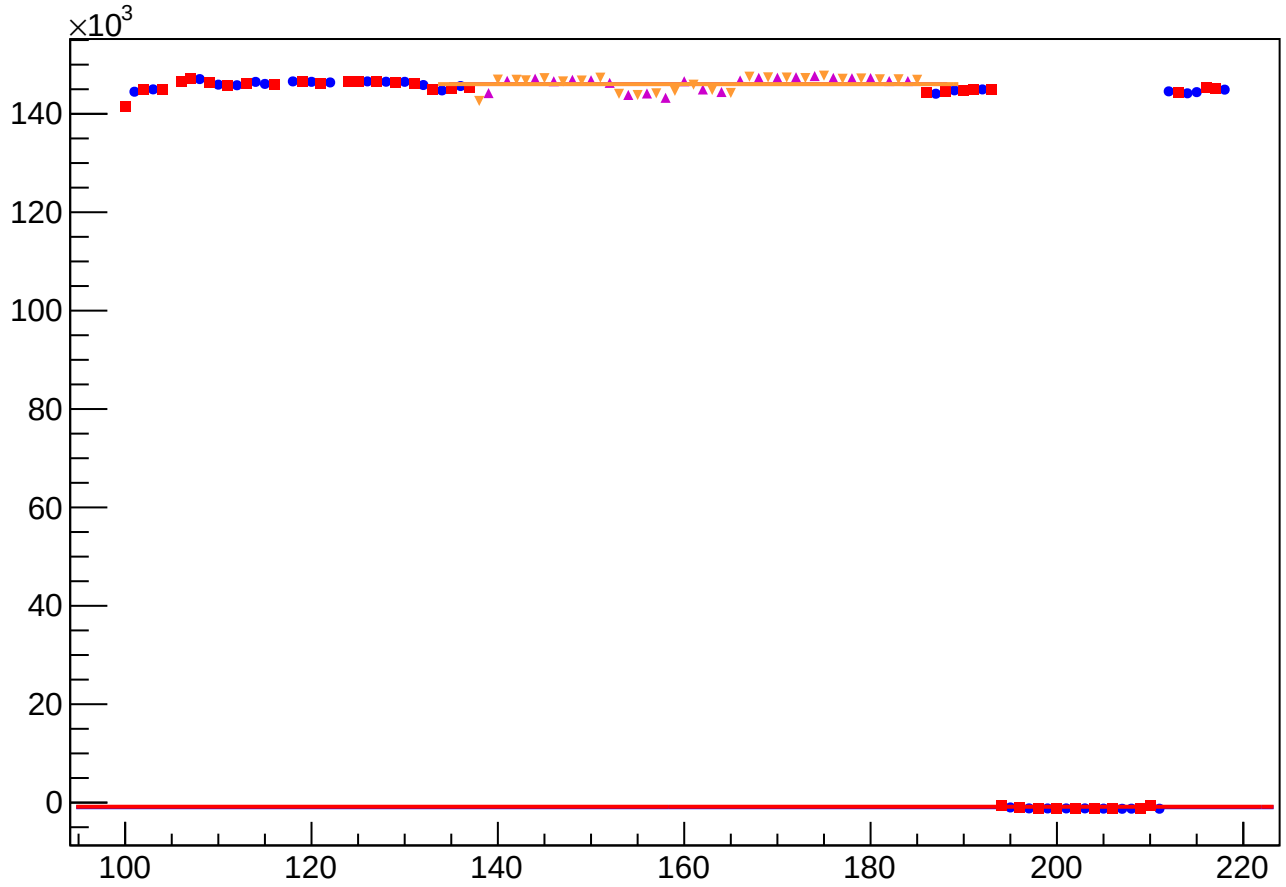
Right Out: 207.524+/-0.036 χ^2/NDF: 7475935.0/35

Left In: 224.869+/-0.038 χ^2/NDF:723816.1/22

+ sign 222.861+/-0.027 χ^2/NDF: 7664710.8/56

All: 219.269+/-0.019 χ^2/NDF: 16009564.7/11

- sign 215.808+/-0.026 χ^2/NDF: 8309249.7/58



Right In: -937.090+/-0.003 χ^2/NDF: 6048627799918.9/31

Left Out: 146042.636+/-0.052 χ^2/NDF:882705044.1/24

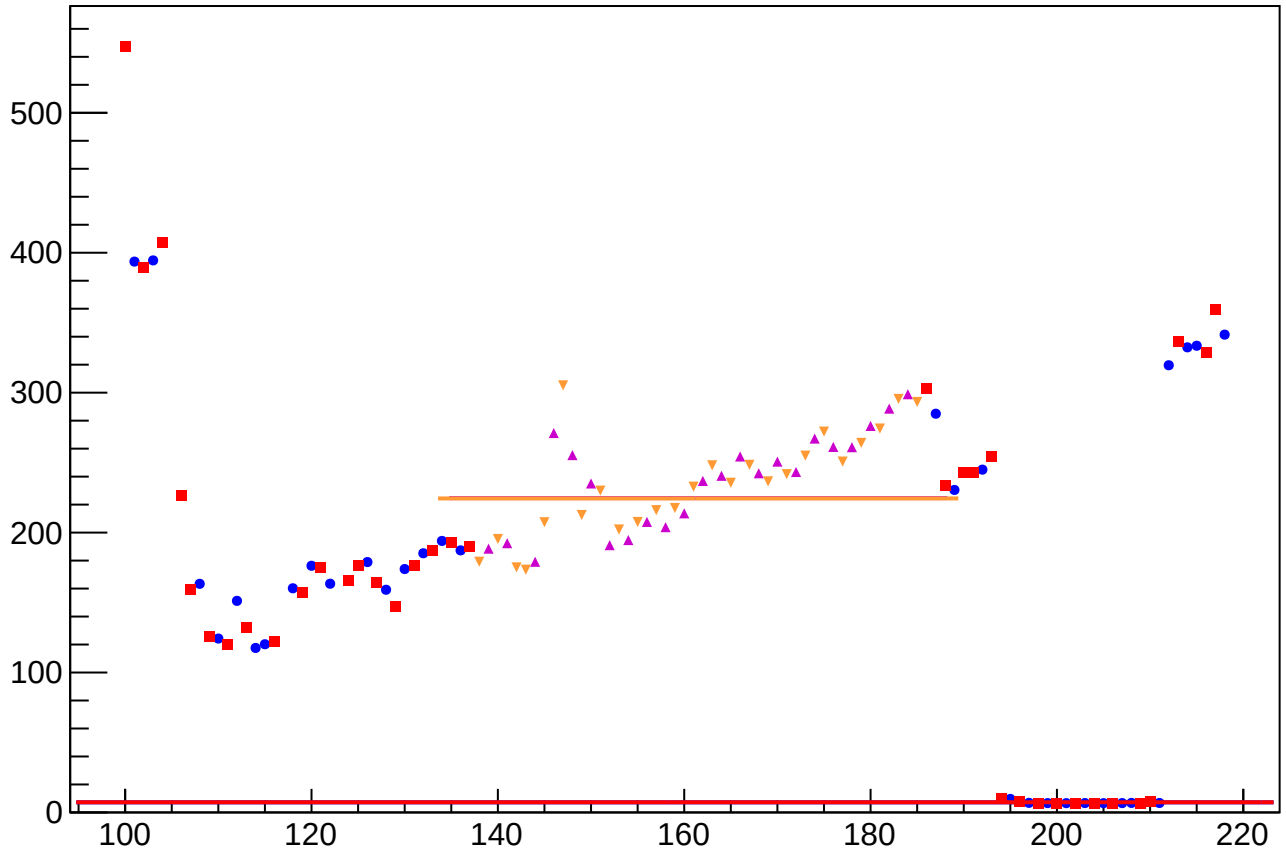
Right Out: -839.961+/-0.003 χ^2/NDF: 6924681581717.4/35

Left In: 146056.687+/-0.054 χ^2/NDF:698743124.4/22

+ sign -597.372+/-0.003 χ^2/NDF: 14017283746616

All: -538.919+/-0.002 χ^2/NDF: 2844665001

- sign -471.674+/-0.003 χ^2/NDF: 14428195080627.



Right In: 7.228+/-0.002 χ^2/NDF: 22812627.8/31

Left Out: 224.409+/-0.037 χ^2/NDF:849100.4/24

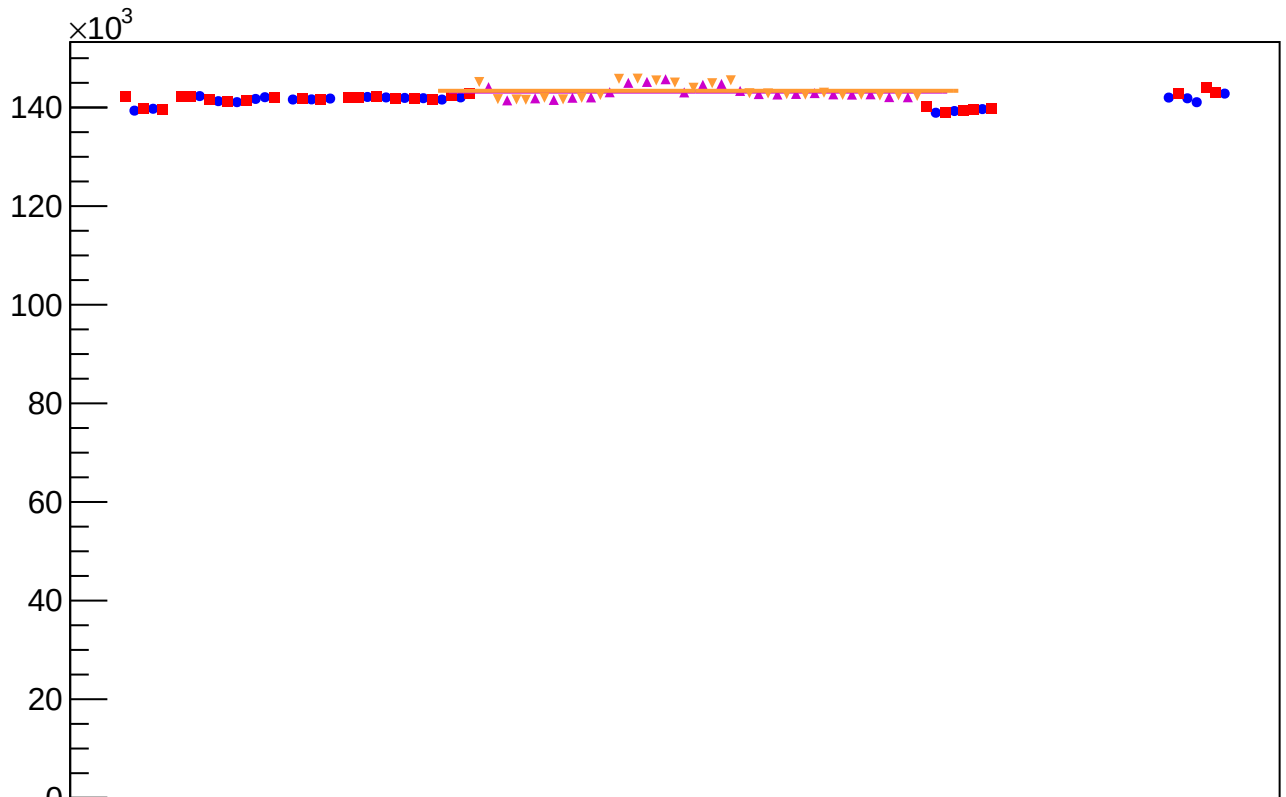
Right Out: 7.280+/-0.002 χ^2/NDF: 23267144.6/35

Left In: 224.655+/-0.038 χ^2/NDF:756996.8/22

+ sign 7.730+/-0.002 χ^2/NDF: 58455024.6/56

All: 7.774+/-0.001 χ^2/NDF: 115339058.6/115

- sign 7.825+/-0.002 χ^2/NDF: 56882707.7/58



Right In: -2479.545+/-0.003 χ^2/NDF: 5536311137751.6/31

Left Out: 143386.915+/-0.054 χ^2/NDF:784001363.1/24

Right Out: -2376.738+/-0.003 χ^2/NDF: 6240320048334.6/35

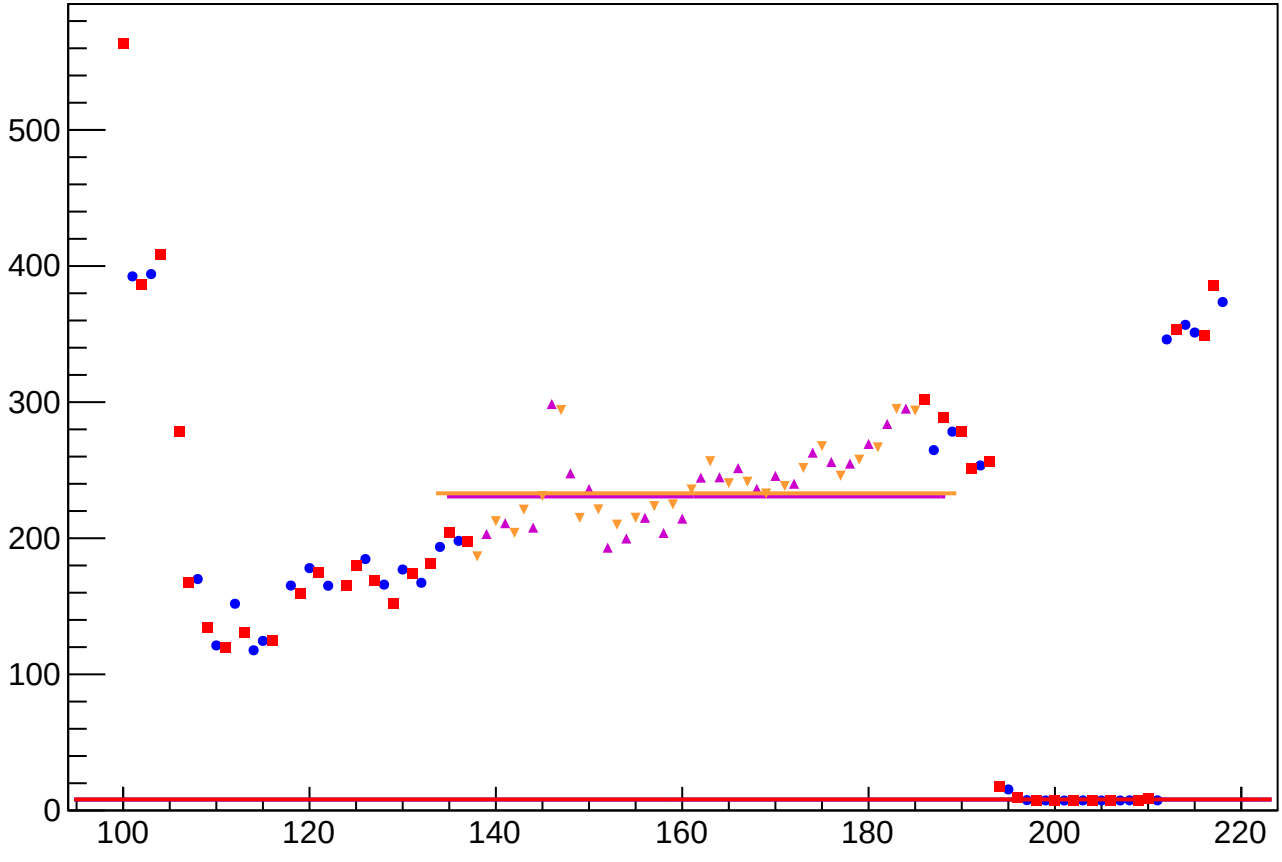
Left In: 143221.802+/-0.055 χ^2/NDF:540234973.1/22

+ sign -2084.793+/-0.003 χ^2/NDF: 1289991876297

All: -2018.357+/-0.002 χ^2/NDF: 2617245055

- sign -1941.872+/-0.003 χ^2/NDF: 1327131437746

yield_bpm0l09WS_rms vs Slug



Right In: 8.014+/-0.002 χ^2/NDF: 22952726.3/31

Left Out: 233.007+/-0.038 χ^2/NDF:446120.9/24

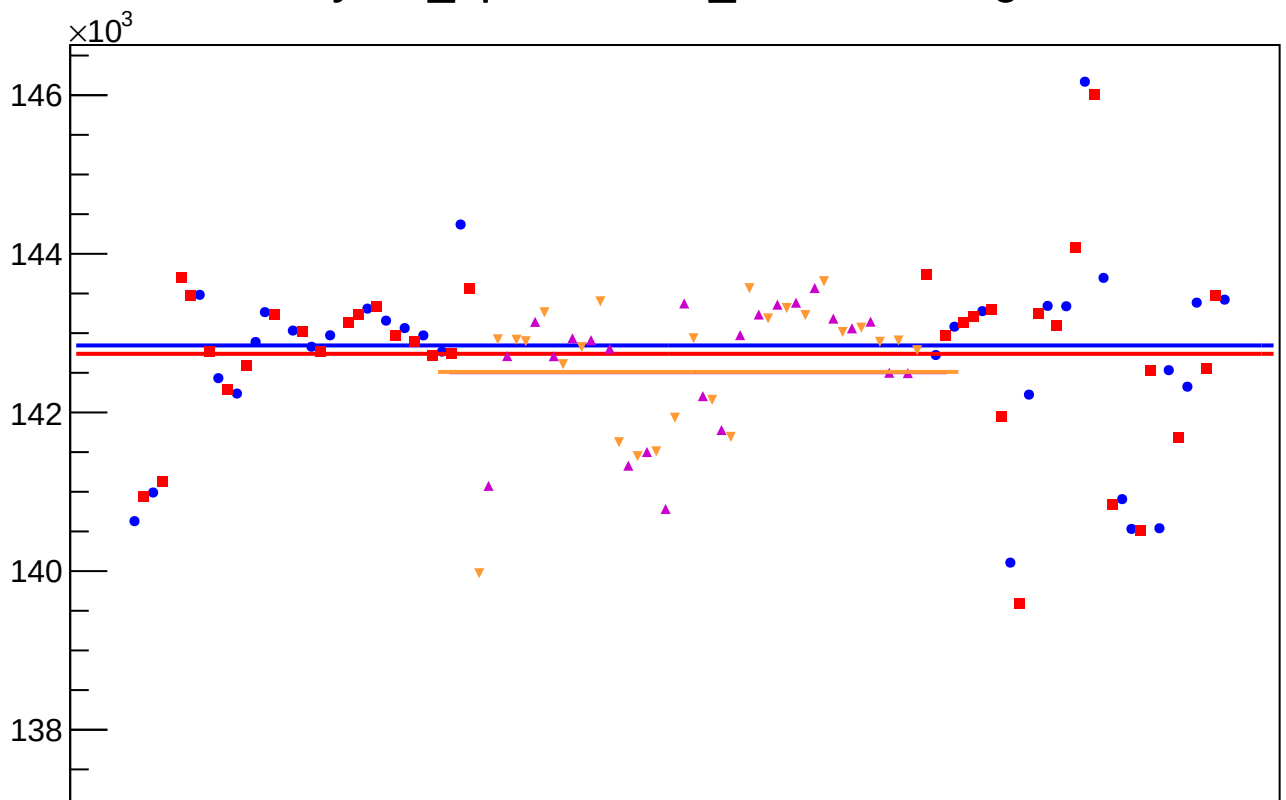
Right Out: 8.090+/-0.002 χ^2/NDF: 23298580.9/35

Left In: 230.693+/-0.039 χ^2/NDF:512017.9/22

+ sign 8.623+/-0.002 χ^2/NDF: 58433834.7/56

All: 8.684+/-0.001 χ^2/NDF: 115113699.0/115

- sign 8.754+/-0.002 χ^2/NDF: 56677795.2/58



Right In: 142844.950+/-0.057 χ^2/NDF: 302631421.4/31

Left Out: 142511.381+/-0.051 χ^2/NDF:338087157.2/24

Right Out: 142739.399+/-0.053 χ^2/NDF: 250813101.0/35

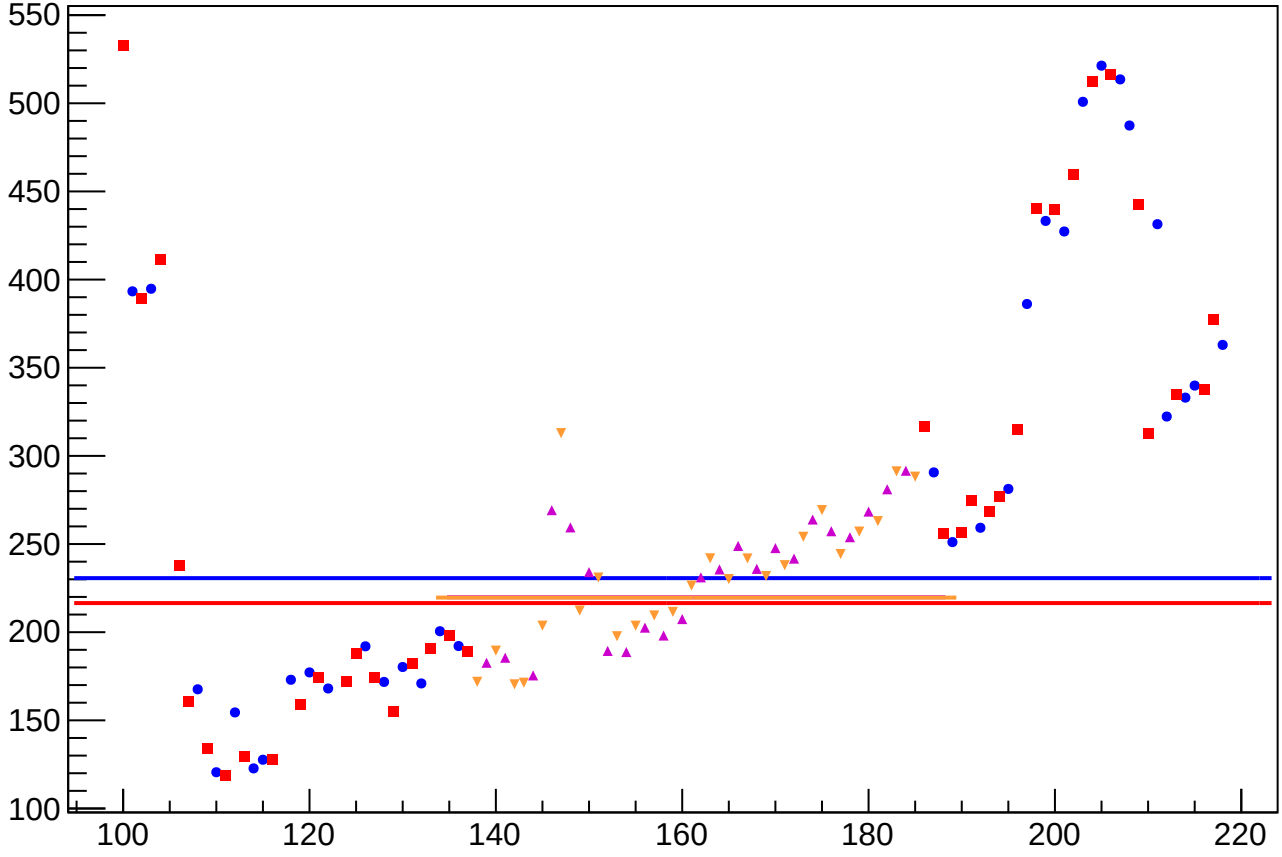
Left In: 142507.563+/-0.052 χ^2/NDF:269272097.4/22

+ sign 142659.367+/-0.038 χ^2/NDF: 659772006.1/5

All: 142640.263+/-0.027 χ^2/NDF: 11900053

- sign 142621.803+/-0.037 χ^2/NDF: 529730667.7/5

yield_bpm0l10WS_rms vs Slug



Right In: 230.661+/-0.040 χ^2/NDF: 6567788.3/31

Left Out: 219.618+/-0.036 χ^2/NDF:902026.4/24

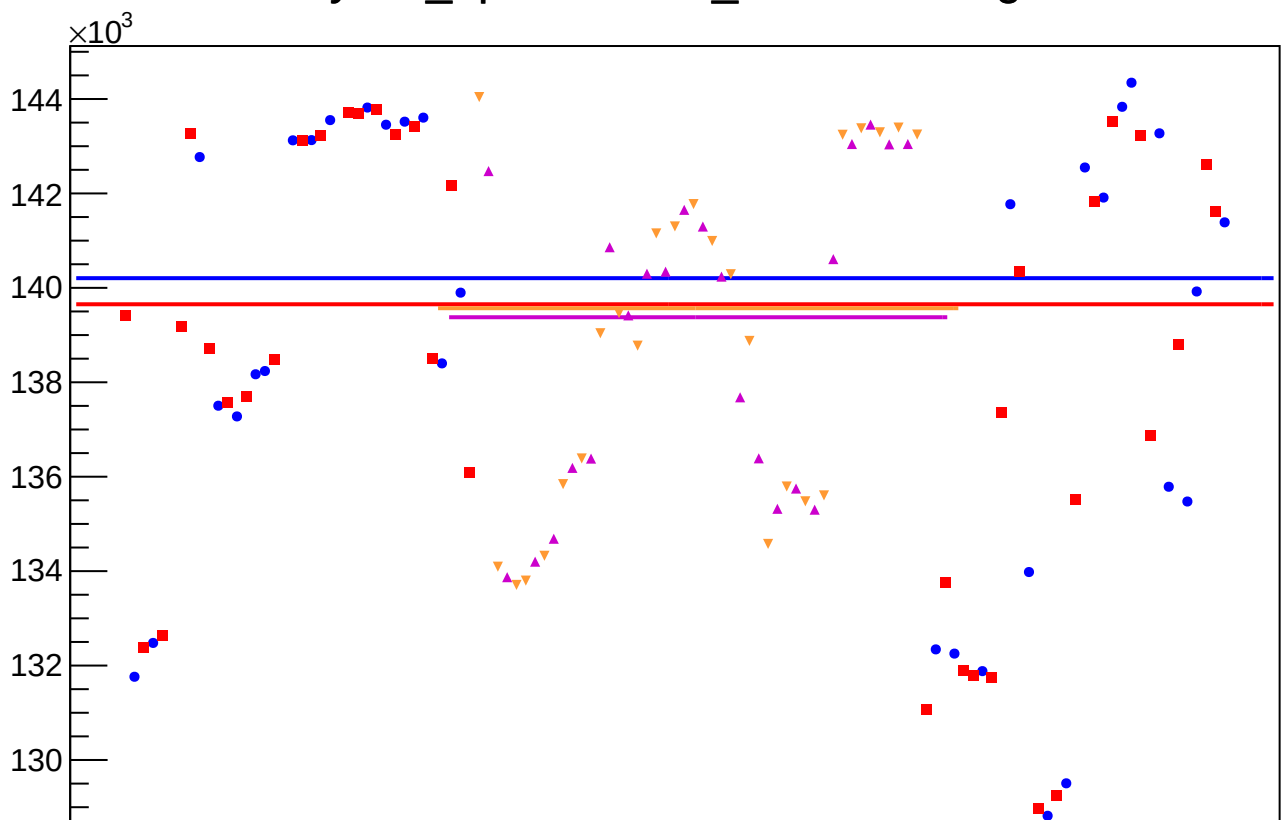
Right Out: 216.514+/-0.038 χ^2/NDF: 7057867.8/35

Left In: 219.813+/-0.037 χ^2/NDF:805501.8/22

+ sign 224.517+/-0.027 χ^2/NDF: 7511580.6/56

All: 221.298+/-0.019 χ^2/NDF: 15407132.0/11

- sign 218.187+/-0.026 χ^2/NDF: 7867277.4/58



Right In: 140205.227+/-0.079 χ^2/NDF: 2810180665.4/31

Left Out: 139568.750+/-0.070 χ^2/NDF:2586638805.4/24

Right Out: 139652.405+/-0.080 χ^2/NDF: 2863974657.8/35

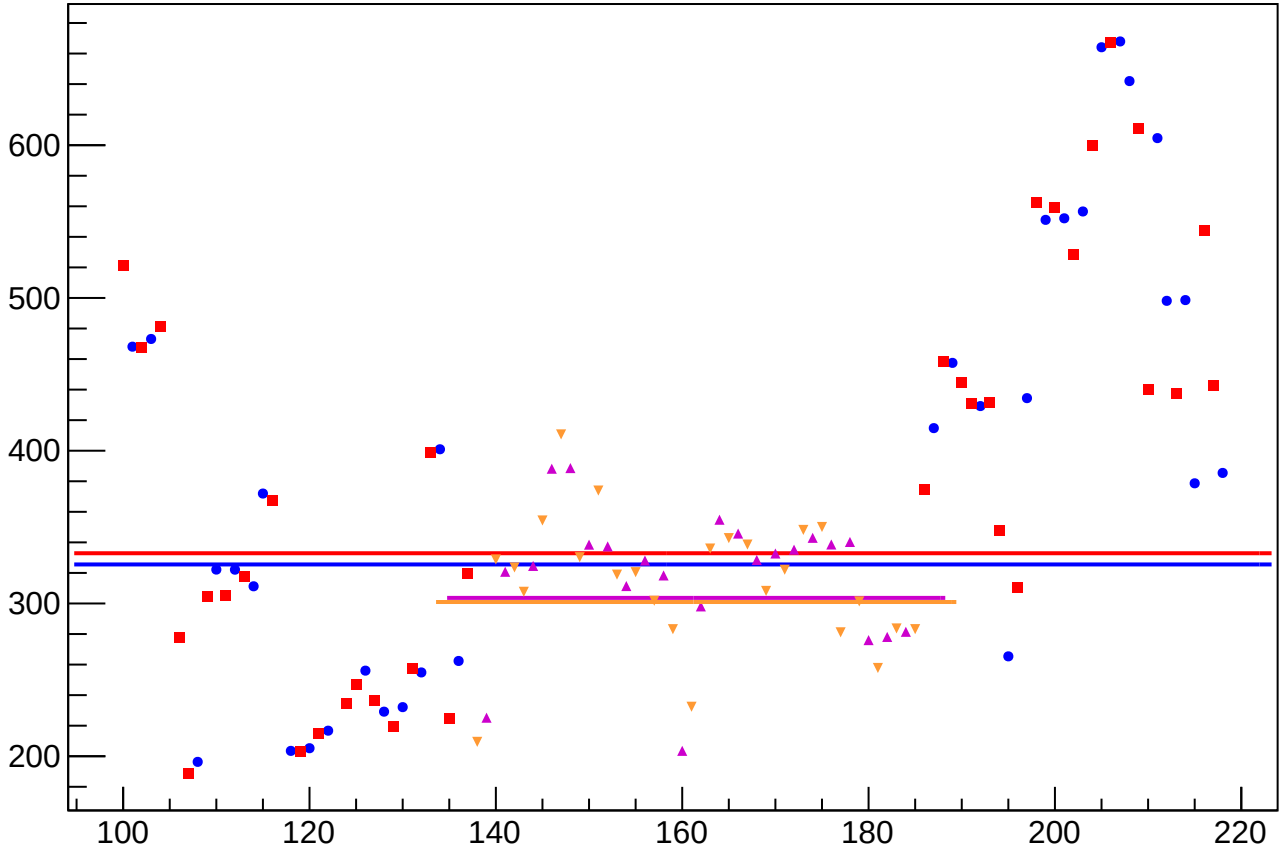
Left In: 139377.582+/-0.073 χ^2/NDF:1921434868.2/22

+ sign 139846.824+/-0.053 χ^2/NDF: 5432912826.5

All: 139678.923+/-0.038 χ^2/NDF: 10245705

- sign 139503.028+/-0.054 χ^2/NDF: 4791887464.3/

yield_bpm0r03WS_rms vs Slug



Right In: 325.552+/-0.056 χ^2/NDF: 5316759.1/31

Left Out: 300.964+/-0.050 χ^2/NDF:876889.9/24

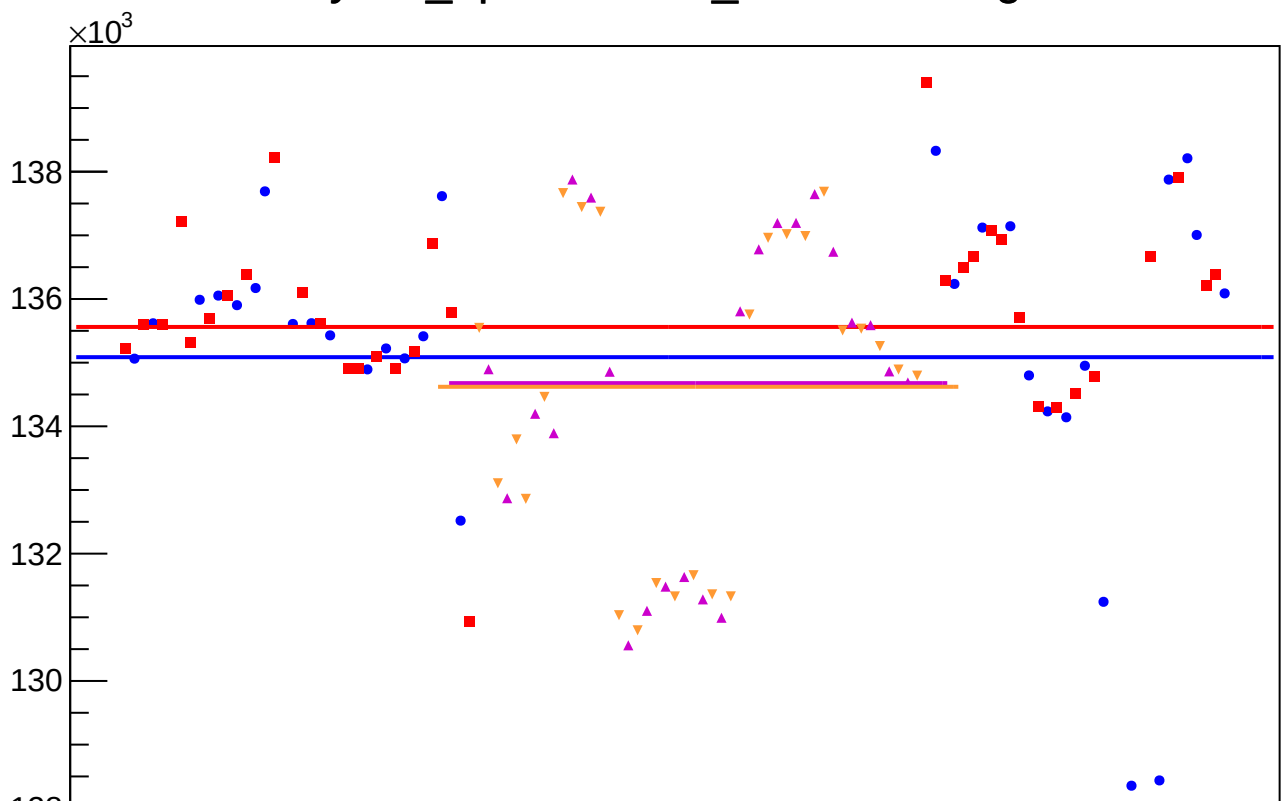
Right Out: 332.887+/-0.056 χ^2/NDF: 4844379.0/35

Left In: 303.658+/-0.052 χ^2/NDF:976252.9/22

+ sign 311.706+/-0.037 χ^2/NDF: 6301377.7/56

All: 314.292+/-0.027 χ^2/NDF: 12278473.0/11

- sign 317.000+/-0.038 χ^2/NDF: 5967181.8/58



Right In: 135086.267+/-0.077 χ^2/NDF: 896620729.4/31

Left Out: 134620.993+/-0.064 χ^2/NDF:1201492843.7/24

Right Out: 135561.082+/-0.070 χ^2/NDF: 785303504.1/35

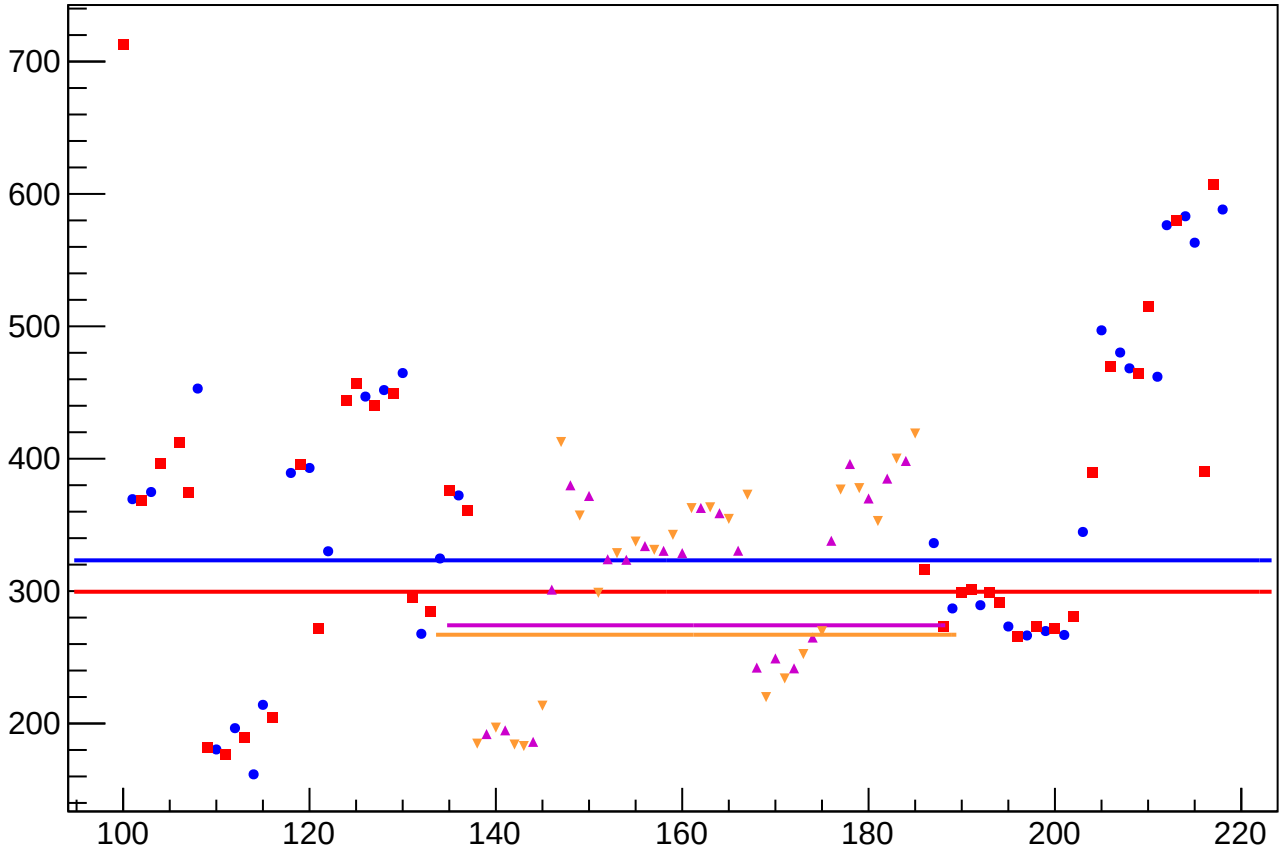
Left In: 134678.497+/-0.067 χ^2/NDF:1096295429.9/22

+ sign 134811.272+/-0.049 χ^2/NDF: 2119907718.9

All: 134956.492+/-0.034 χ^2/NDF: 41016857

- sign 135098.395+/-0.048 χ^2/NDF: 1964411125.7/

yield_bpm0r05WS_rms vs Slug



Right In: 323.240+/-0.054 χ^2/NDF: 3948566.1/31

Left Out: 267.053+/-0.045 χ^2/NDF:2843307.1/24

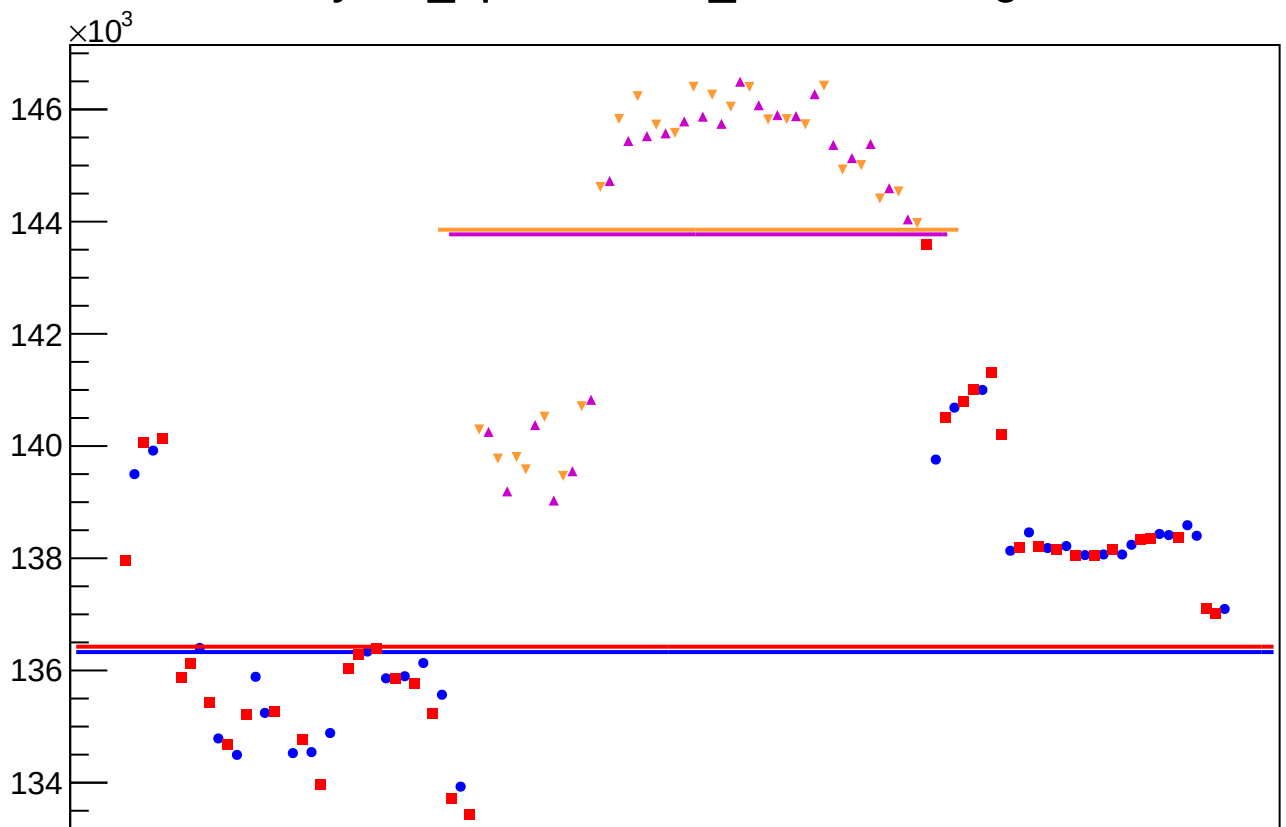
Right Out: 299.522+/-0.050 χ^2/NDF: 3752157.4/35

Left In: 274.177+/-0.047 χ^2/NDF:2236755.2/22

+ sign 290.032+/-0.035 χ^2/NDF: 7427531.4/56

All: 288.111+/-0.024 χ^2/NDF: 13559094.4/11

- sign 286.235+/-0.034 χ^2/NDF: 6125490.4/58



Right In: 136327.747+/-0.045 χ^2/NDF: 1744214535.5/31

Left Out: 143855.894+/-0.048 χ^2/NDF:3130204188.4/24

Right Out: 136423.992+/-0.043 χ^2/NDF: 2307611312.7/35

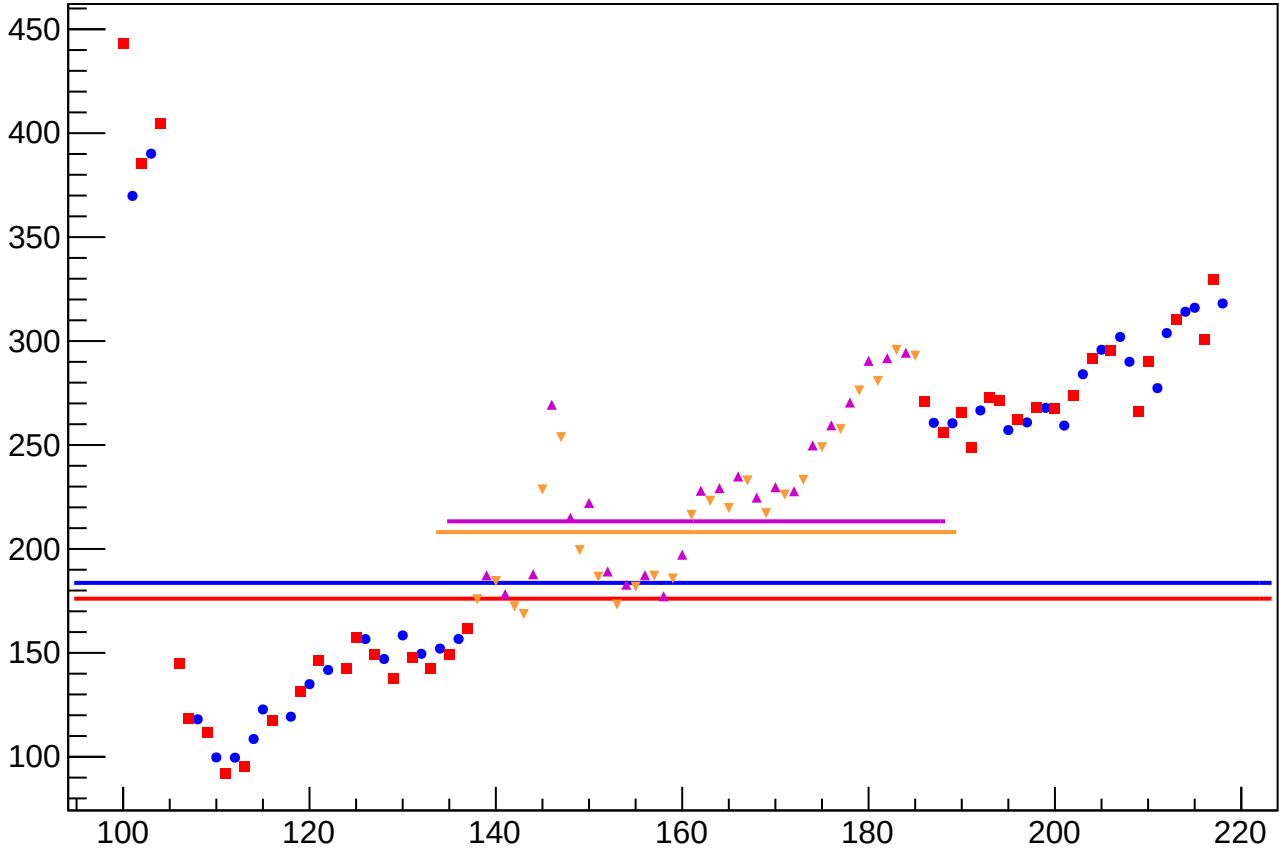
Left In: 143773.112+/-0.051 χ^2/NDF:2803362782.2/22

+ sign 139820.314+/-0.033 χ^2/NDF: 17878623104.

All: 139651.556+/-0.023 χ^2/NDF: 35200213

- sign 139483.484+/-0.033 χ^2/NDF: 17269145202.1

yield_bpm0i02WS_rms vs Slug



Right In: 183.677+/-0.032 χ^2/NDF: 6147700.8/31

Left Out: 208.100+/-0.034 χ^2/NDF:993011.6/24

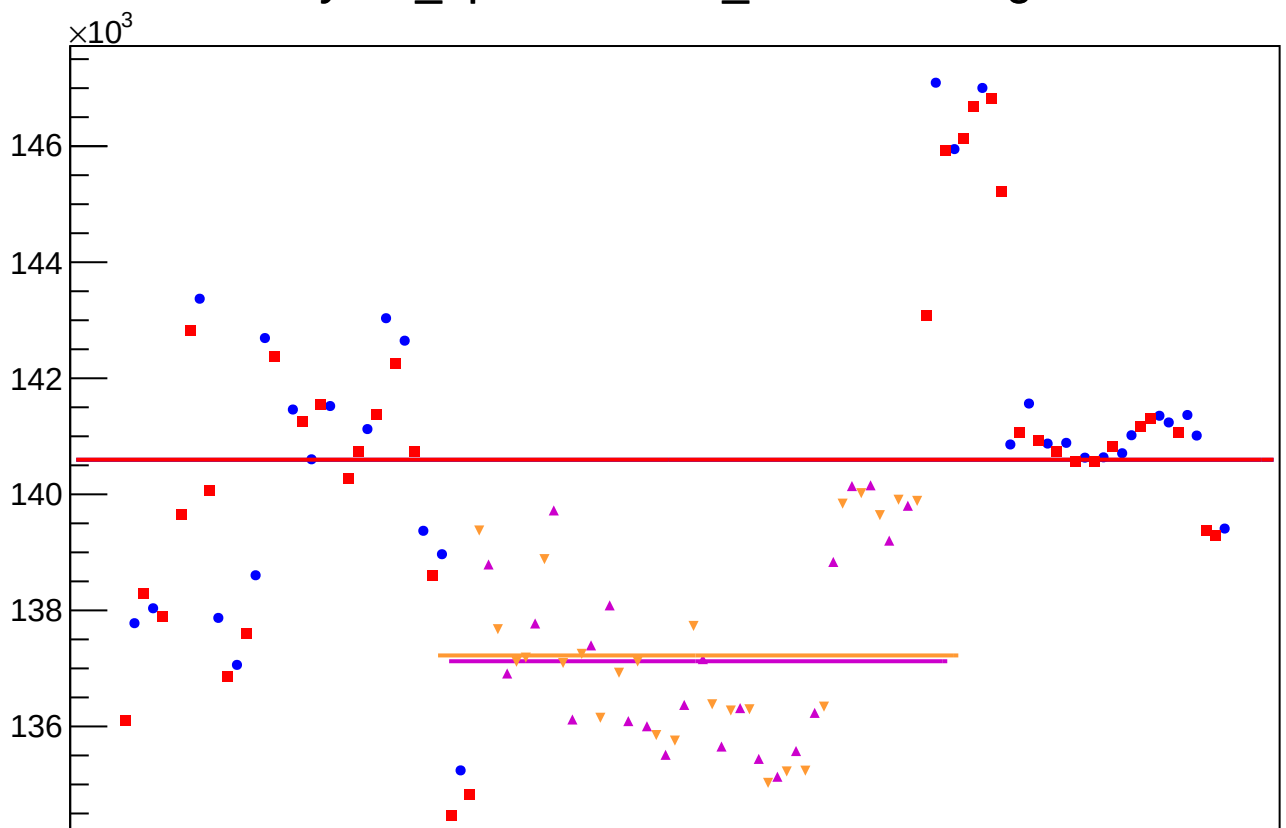
Right Out: 176.088+/-0.030 χ^2/NDF: 6725500.0/35

Left In: 213.288+/-0.036 χ^2/NDF:865525.4/22

+ sign 195.008+/-0.023 χ^2/NDF: 7414457.8/56

All: 193.288+/-0.016 χ^2/NDF: 15639423.9/11

- sign 191.574+/-0.023 χ^2/NDF: 8214066.8/58



Right In: 140595.112+/-0.050 χ^2/NDF: 2833465176.2/31

Left Out: 137223.651+/-0.049 χ^2/NDF:894565924.0/24

Right Out: 140597.284+/-0.048 χ^2/NDF: 3268996365.9/35

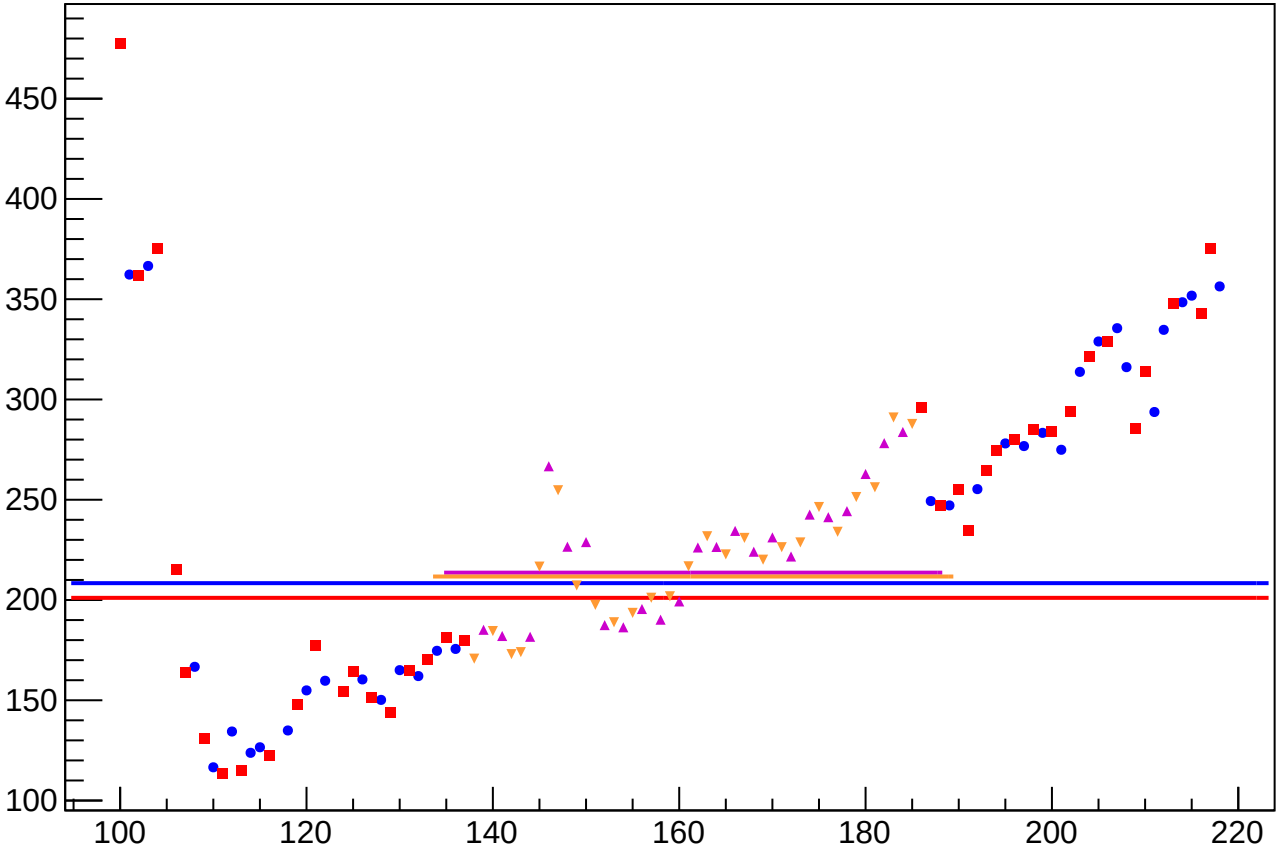
Left In: 137123.557+/-0.051 χ^2/NDF:860635149.0/22

+ sign 138870.198+/-0.035 χ^2/NDF: 6035662823.8

All: 138912.680+/-0.025 χ^2/NDF: 12623084

- sign 138954.971+/-0.035 χ^2/NDF: 6584495641.5/

yield_bpm0i02aWS_rms vs Slug



Right In: 208.402+/-0.035 χ^2/NDF: 4983845.3/31

Left Out: 211.714+/-0.035 χ^2/NDF:675587.4/24

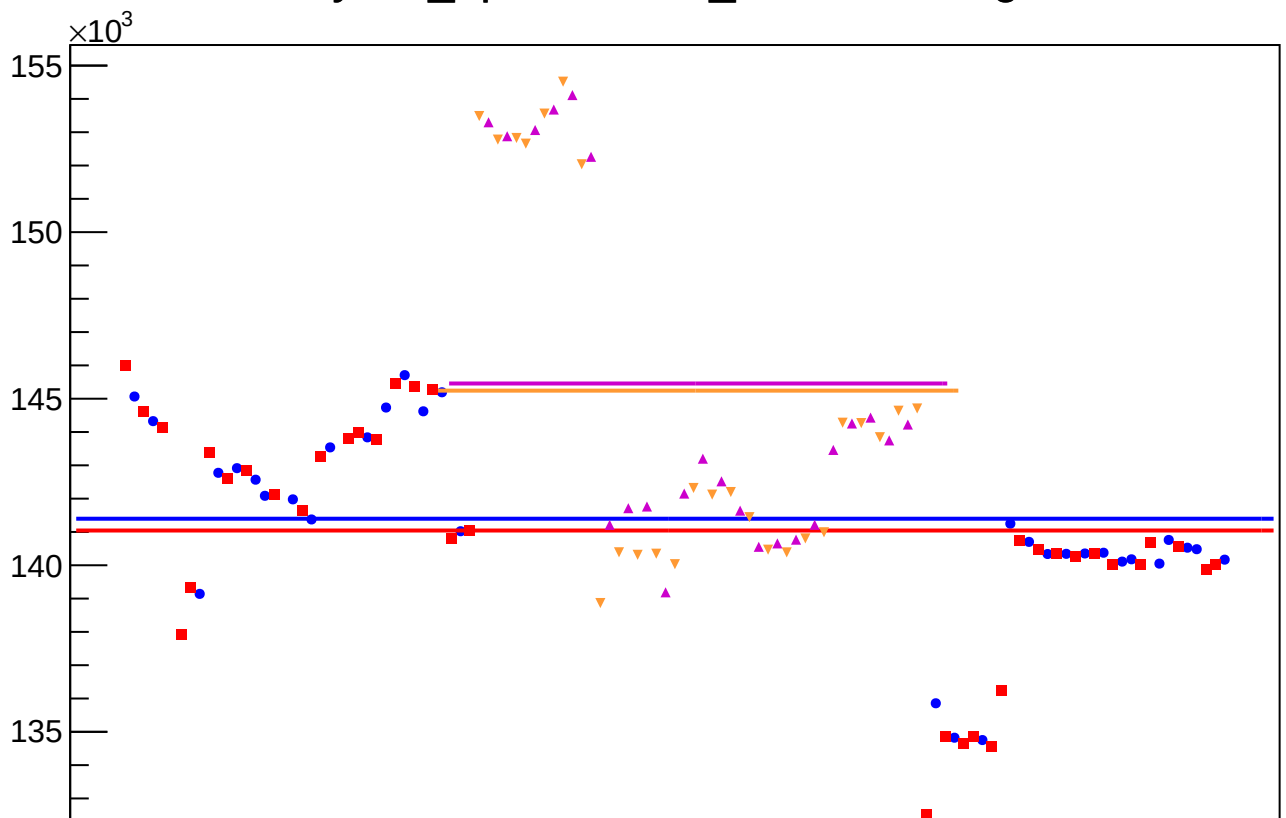
Right Out: 201.076+/-0.034 χ^2/NDF: 5430979.6/35

Left In: 213.641+/-0.036 χ^2/NDF:621332.1/22

+ sign 210.096+/-0.025 χ^2/NDF: 5663886.1/56

All: 208.553+/-0.018 χ^2/NDF: 11788156.8/11

- sign 207.016+/-0.025 χ^2/NDF: 6116545.6/58



Right In: 141397.179+/-0.050 χ^2/NDF: 2855826963.5/31

Left Out: 145242.337+/-0.050 χ^2/NDF:13032998081.1/24

Right Out: 141043.215+/-0.047 χ^2/NDF: 4446304215.2/35

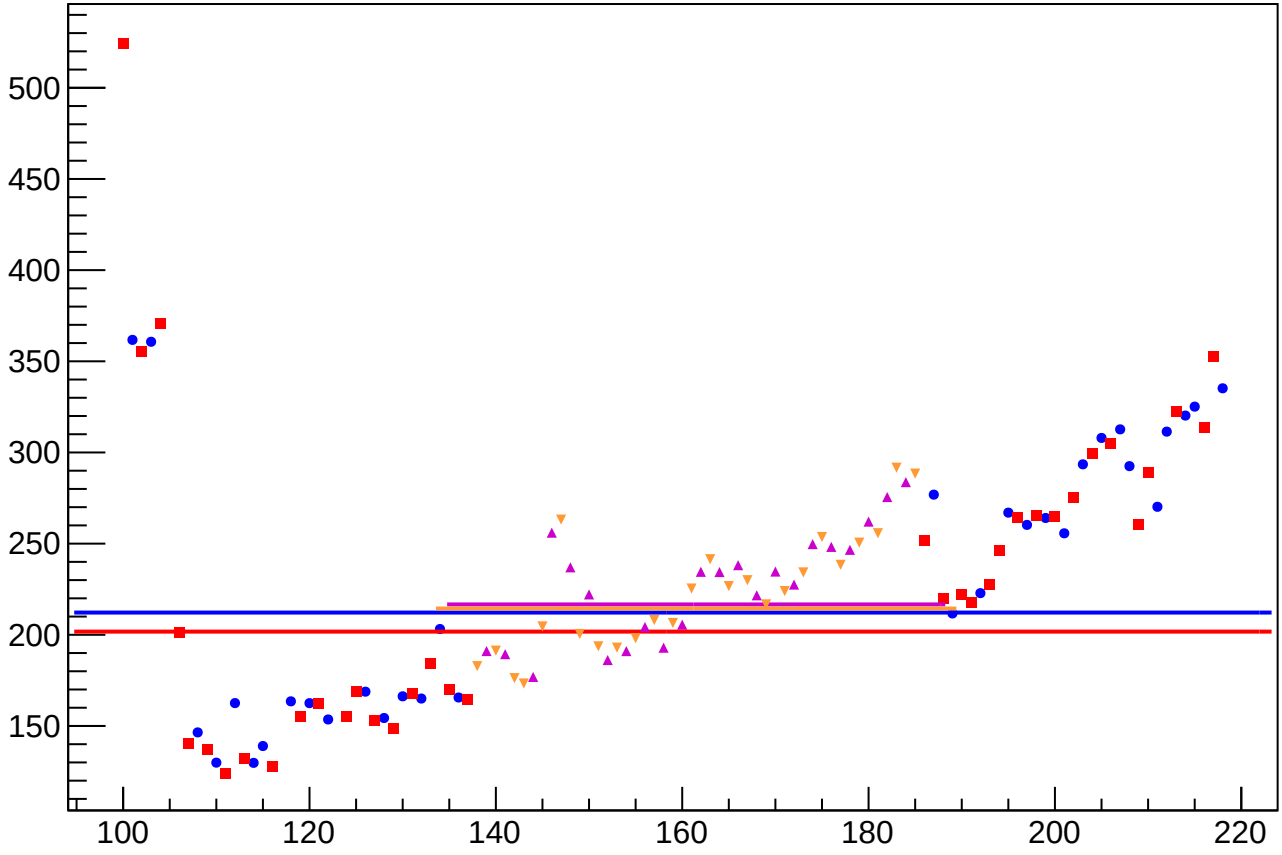
Left In: 145456.704+/-0.052 χ^2/NDF:11073020116.4/22

+ sign 143340.084+/-0.035 χ^2/NDF: 18859470515.

All: 143201.532+/-0.025 χ^2/NDF: 38375780

- sign 143065.760+/-0.035 χ^2/NDF: 19485760595.6

yield_bpm0i05WS_rms vs Slug



Right In: 212.197+/-0.035 χ^2/NDF: 3604915.7/31

Left Out: 214.391+/-0.035 χ^2/NDF:643384.3/24

Right Out: 201.747+/-0.034 χ^2/NDF: 3990276.9/35

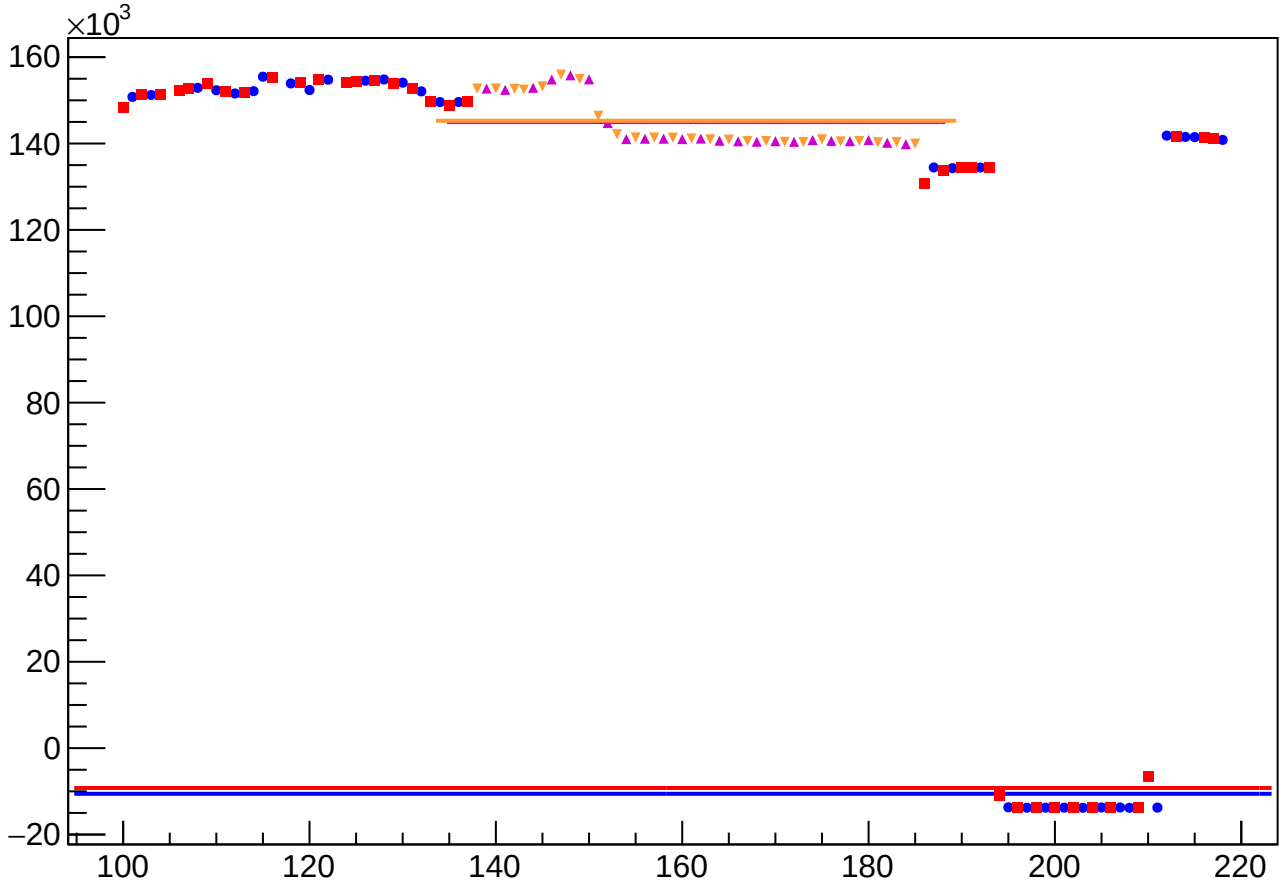
Left In: 216.654+/-0.036 χ^2/NDF:587166.8/22

+ sign 213.306+/-0.025 χ^2/NDF: 4250235.5/56

All: 210.918+/-0.018 χ^2/NDF: 8936327.0/115

- sign 208.578+/-0.025 χ^2/NDF: 4667948.5/58

yield_bpm0i07WS_mean vs Slug



Right In: -10567.935+/-0.009 χ^2/NDF: 6683905702291.2/31

Left Out: 145269.857+/-0.049 χ^2/NDF:13706269279.5/24

Right Out: -9217.381+/-0.009 χ^2/NDF: 7686356218932.6/35

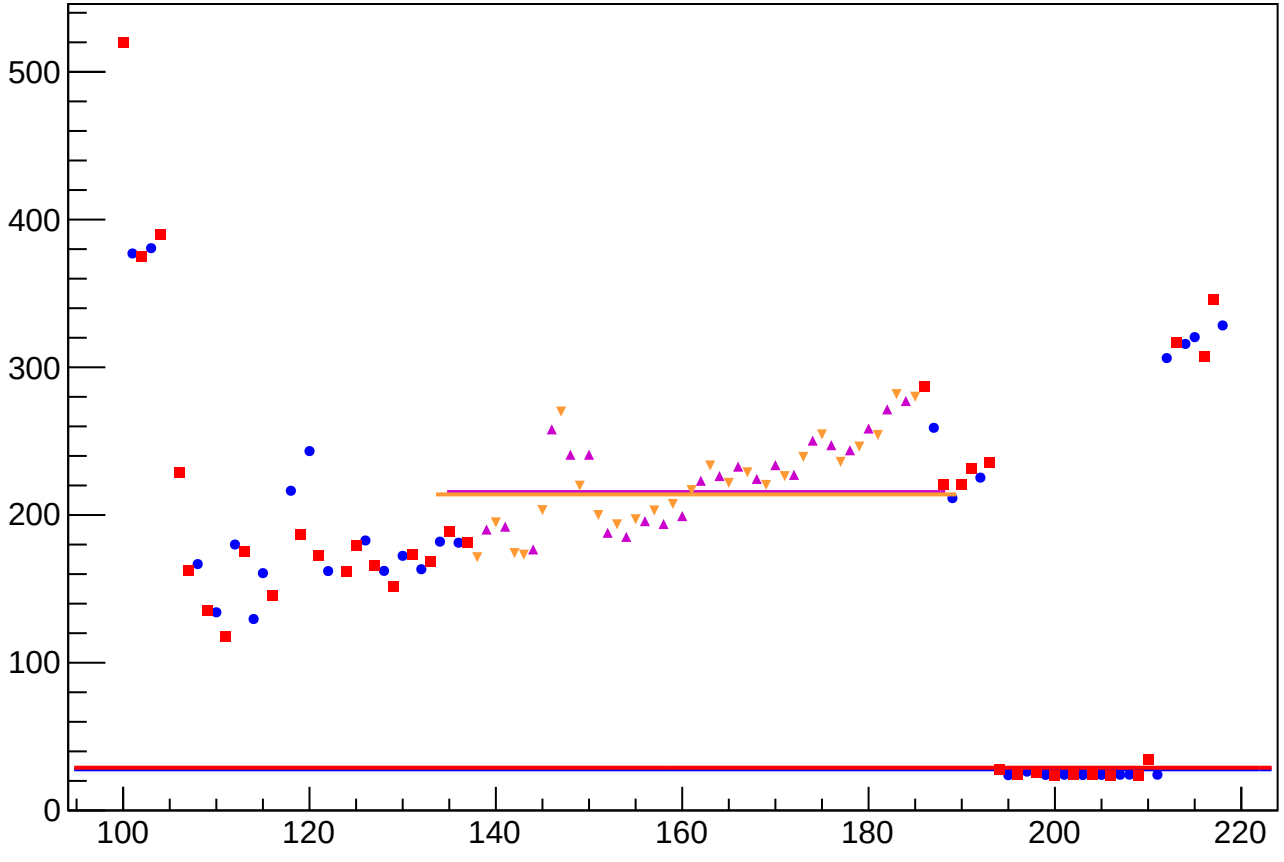
Left In: 144966.398+/-0.051 χ^2/NDF:13154547043.3/22

+ sign -5838.634+/-0.009 χ^2/NDF: 1635204354271

All: -5083.416+/-0.006 χ^2/NDF: 3284101458

- sign -4215.639+/-0.009 χ^2/NDF: 16472412178762

yield_bpm0i07WS_rms vs Slug



Right In: 27.848+/-0.006 χ^2/NDF: 18525759.2/31

Left Out: 213.951+/-0.035 χ^2/NDF:650607.8/24

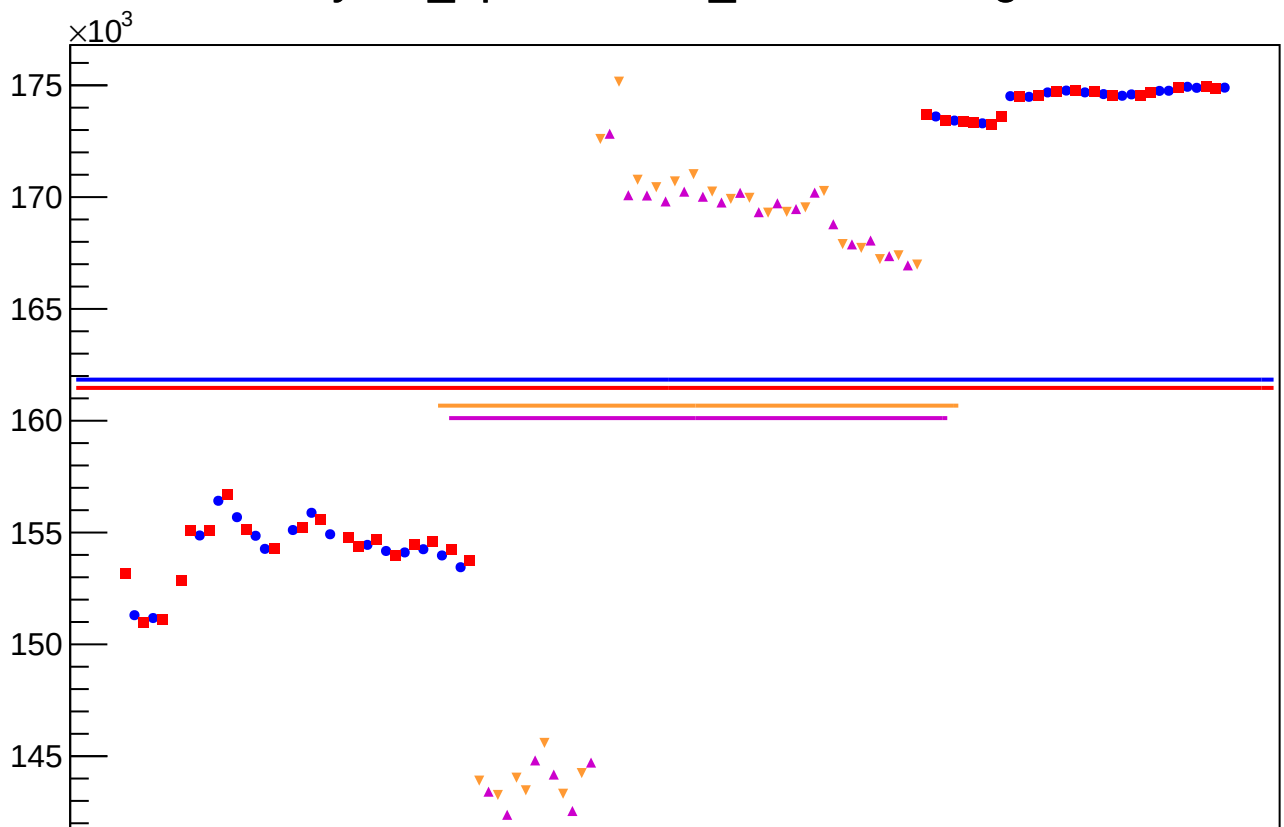
Right Out: 28.933+/-0.007 χ^2/NDF: 18653602.7/35

Left In: 215.539+/-0.036 χ^2/NDF:600575.7/22

+ sign 33.496+/-0.006 χ^2/NDF: 46713513.2/56

All: 34.190+/-0.004 χ^2/NDF: 91696253.4/115

- sign 34.987+/-0.007 χ^2/NDF: 44954783.1/58



Right In: 161838.210+/-0.052 χ^2/NDF: 33306118285.7/31

Left Out: 160674.818+/-0.047 χ^2/NDF:74155131898.4/24

Right Out: 161467.949+/-0.050 χ^2/NDF: 35215514441.7/35

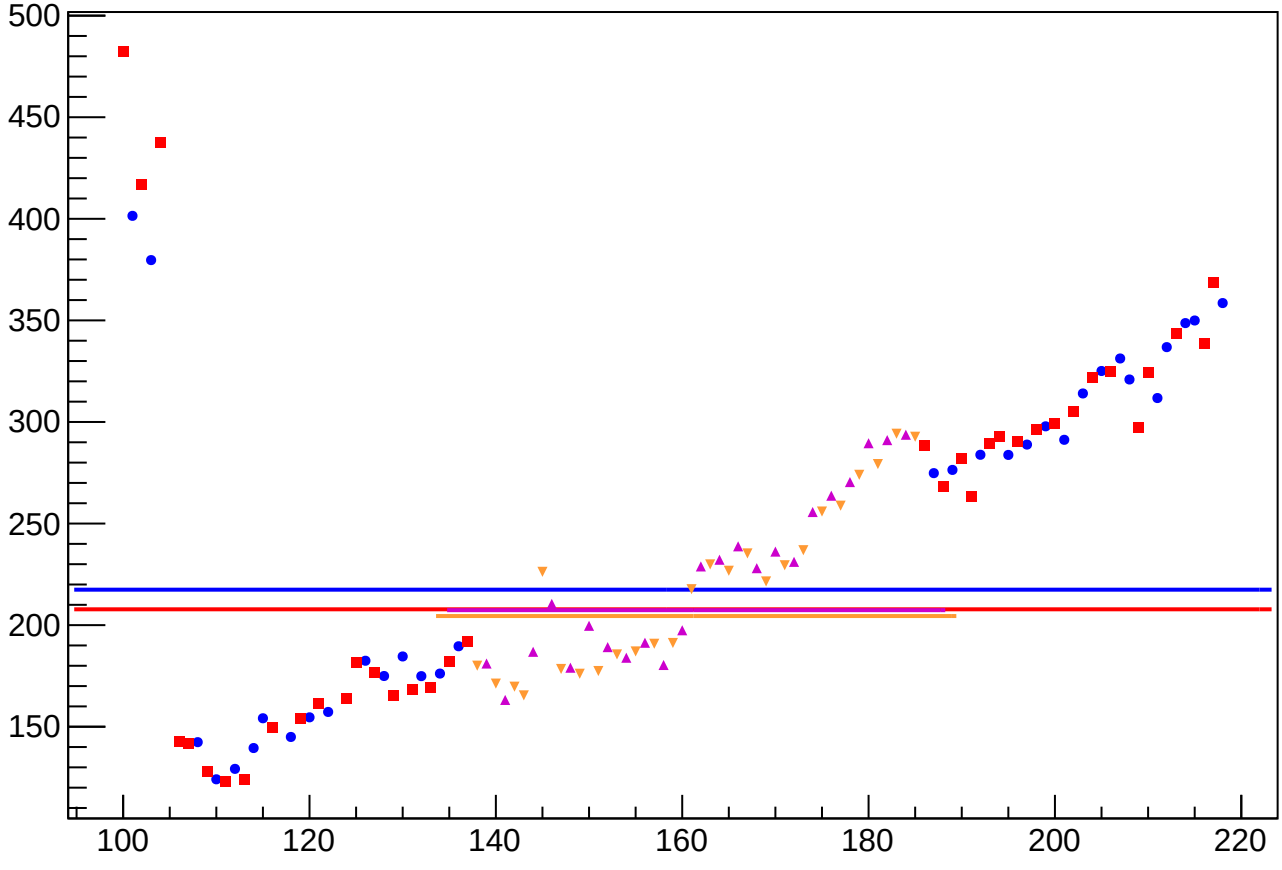
Left In: 160117.460+/-0.049 χ^2/NDF:66553191753.2/22

+ sign 161200.923+/-0.035 χ^2/NDF: 107733770493

All: 160995.391+/-0.025 χ^2/NDF: 209943752

- sign 160791.073+/-0.035 χ^2/NDF: 102141512631

yield_bpm1i02WS_rms vs Slug



Right In: 217.455+/-0.037 χ^2/NDF: 4856304.9/31

Left Out: 204.476+/-0.034 χ^2/NDF:1073199.0/24

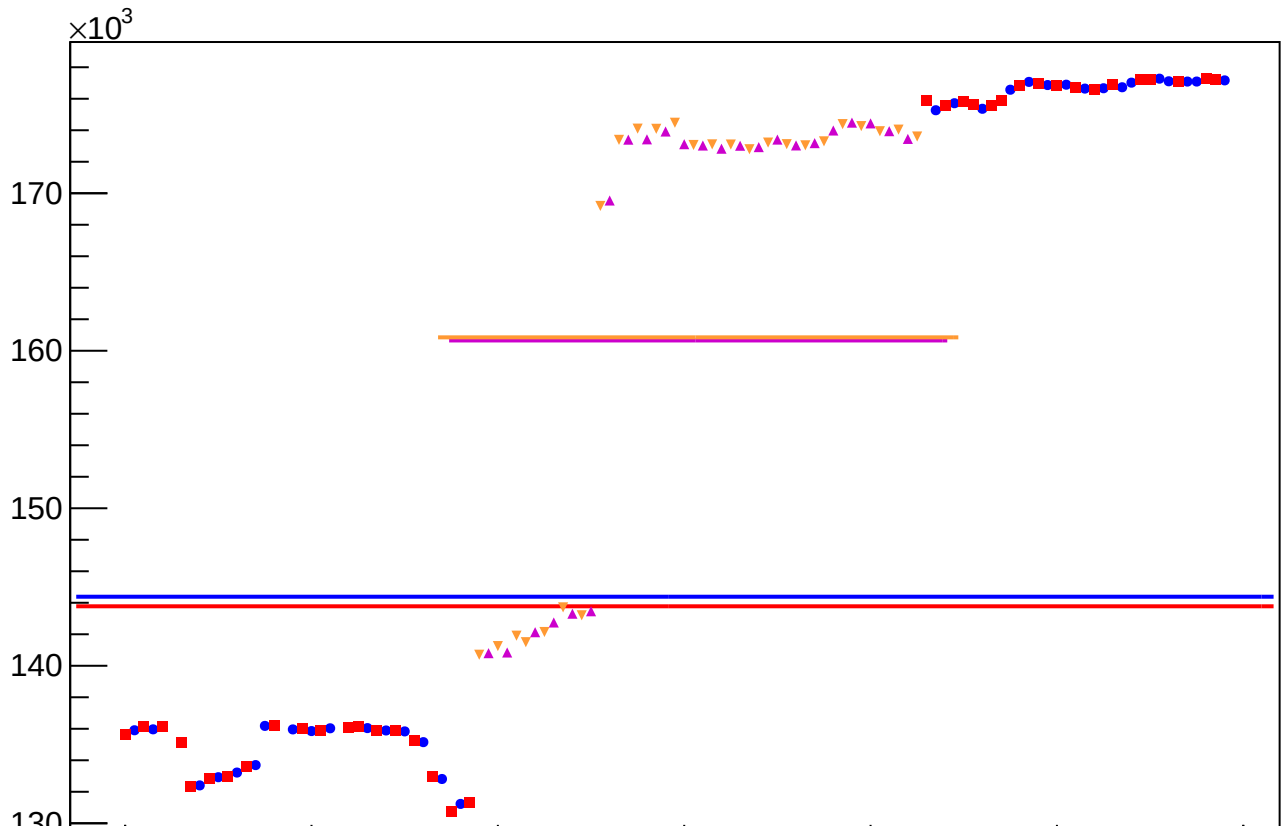
Right Out: 207.790+/-0.035 χ^2/NDF: 5429989.8/35

Left In: 207.368+/-0.035 χ^2/NDF:956644.0/22

+ sign 210.345+/-0.025 χ^2/NDF: 5997338.3/56

All: 208.958+/-0.018 χ^2/NDF: 12390285.2/11

- sign 207.579+/-0.025 χ^2/NDF: 6386706.5/58



Right In: 144384.192+/-0.044 χ^2/NDF: 167166730430.0/31

Left Out: 160851.077+/-0.048 χ^2/NDF:99202825178.3/24

Right Out: 143775.909+/-0.042 χ^2/NDF: 177653637412.1/35

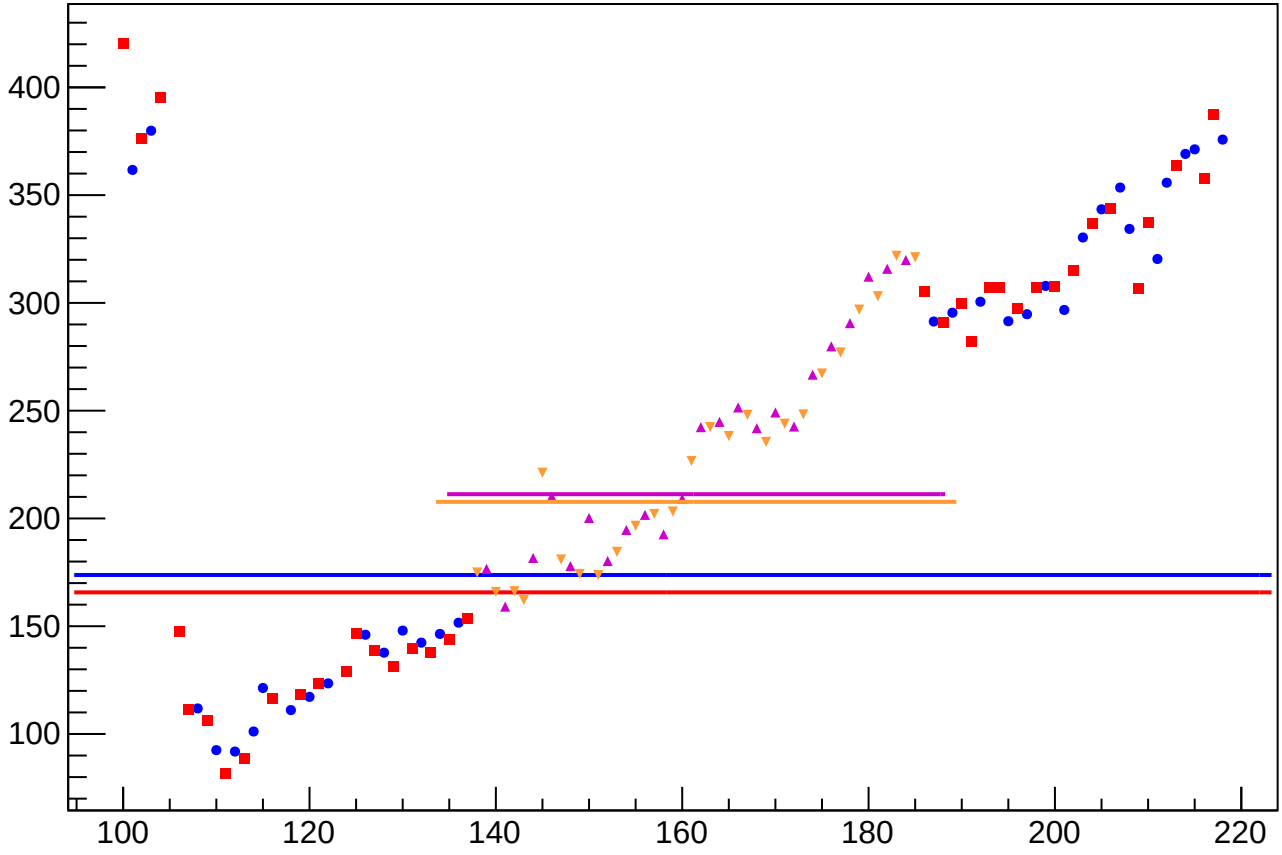
Left In: 160654.189+/-0.051 χ^2/NDF:90149721861.0/22

+ sign 151896.512+/-0.033 χ^2/NDF: 32923863182

All: 151292.458+/-0.023 χ^2/NDF: 6633239

- sign 150699.387+/-0.032 χ^2/NDF: 333409466864

yield_bpm1i04WS_rms vs Slug



Right In: 173.769+/-0.031 χ^2/NDF: 8927790.0/31

Left Out: 207.689+/-0.034 χ^2/NDF:1500711.5/24

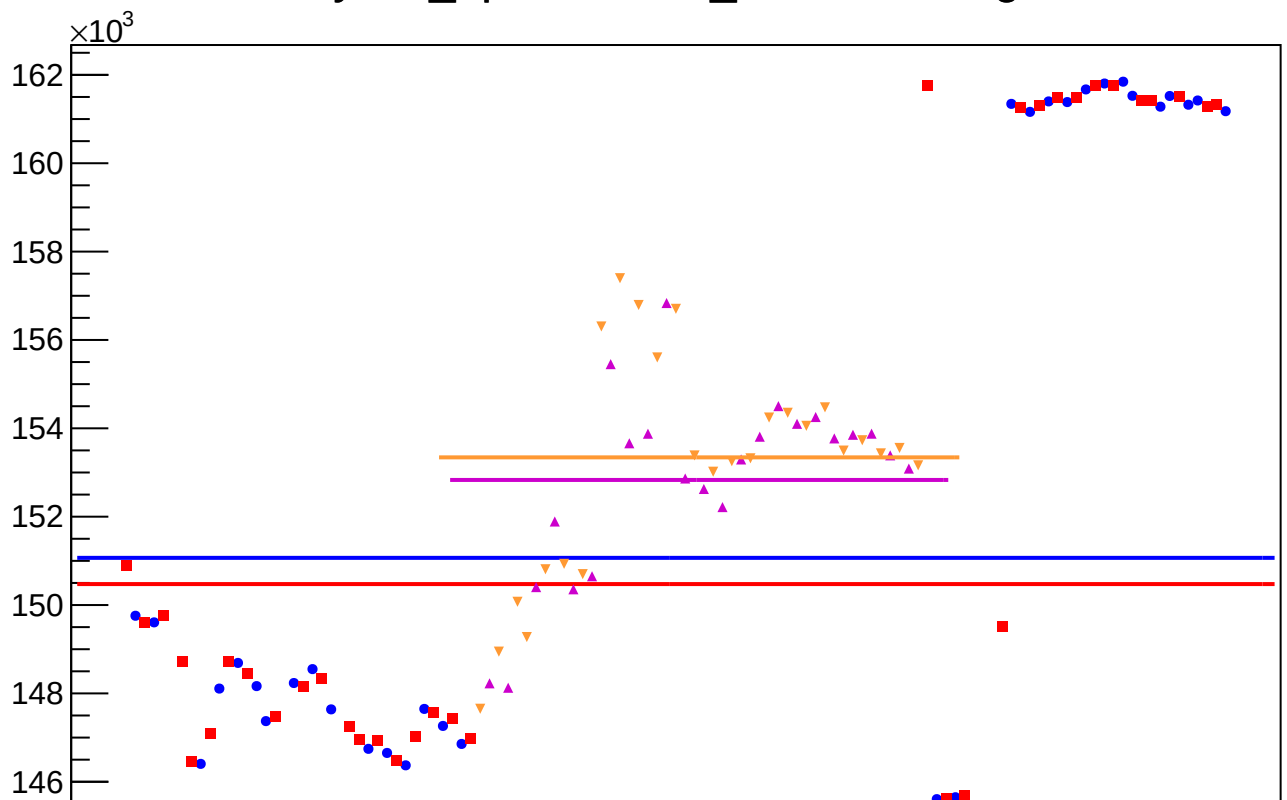
Right Out: 165.710+/-0.030 χ^2/NDF: 9584221.1/35

Left In: 211.254+/-0.036 χ^2/NDF:1305730.5/22

+ sign 189.244+/-0.023 χ^2/NDF: 10962034.5/56

All: 186.796+/-0.016 χ^2/NDF: 22829572.1/11

- sign 184.393+/-0.023 χ^2/NDF: 11845343.1/58



Right In: 151068.180+/-0.051 χ^2/NDF: 14696460479.2/31

Left Out: 153342.472+/-0.051 χ^2/NDF:2978670616.9/24

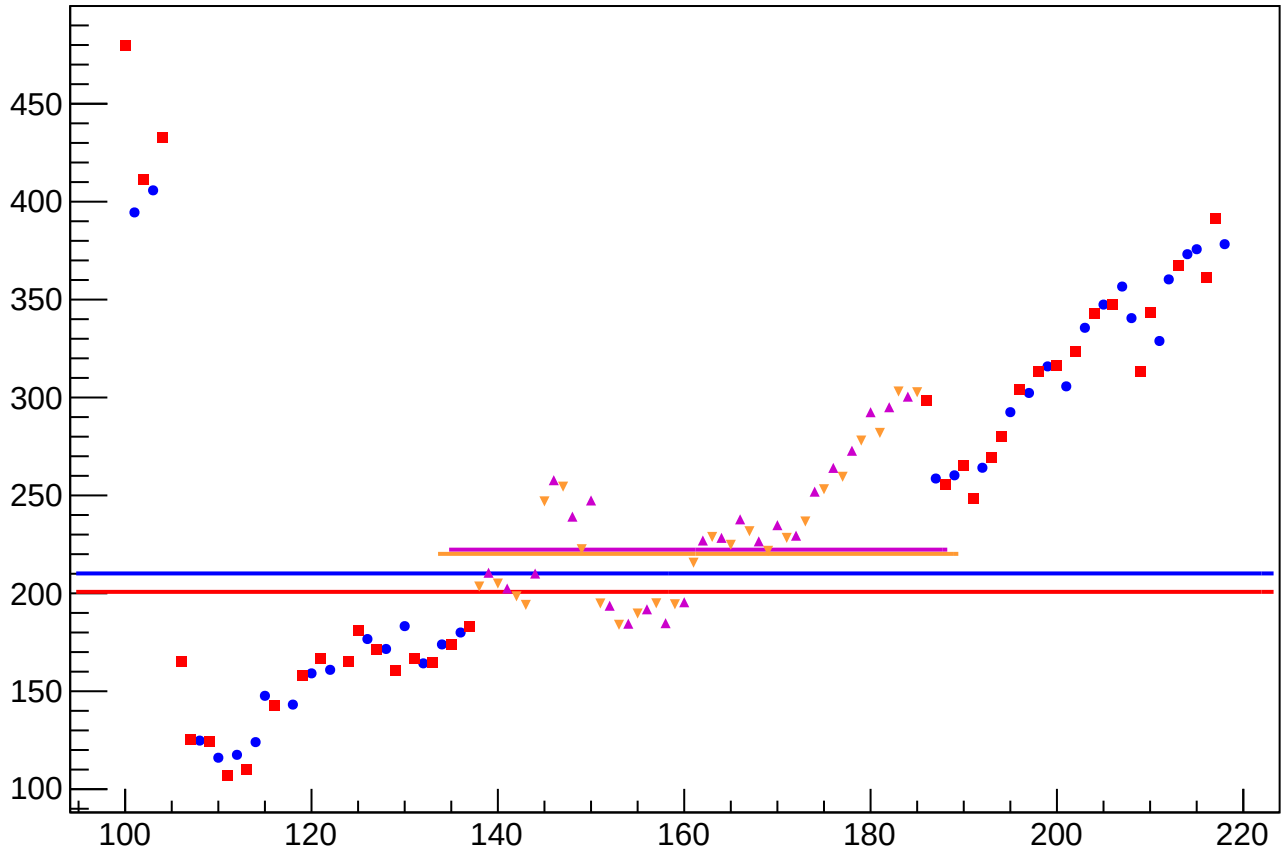
Right Out: 150474.488+/-0.049 χ^2/NDF: 13877688794.4/35

Left In: 152831.399+/-0.053 χ^2/NDF:1914395326.4/22

+ sign 152217.190+/-0.036 χ^2/NDF: 18666825692.

All: 151884.738+/-0.025 χ^2/NDF: 35703616

- sign 151557.955+/-0.036 χ^2/NDF: 16868692702.2



Right In: 210.159+/-0.036 χ^2/NDF: 6103514.1/31

Left Out: 220.156+/-0.036 χ^2/NDF:685590.6/24

Right Out: 200.753+/-0.034 χ^2/NDF: 6535758.1/35

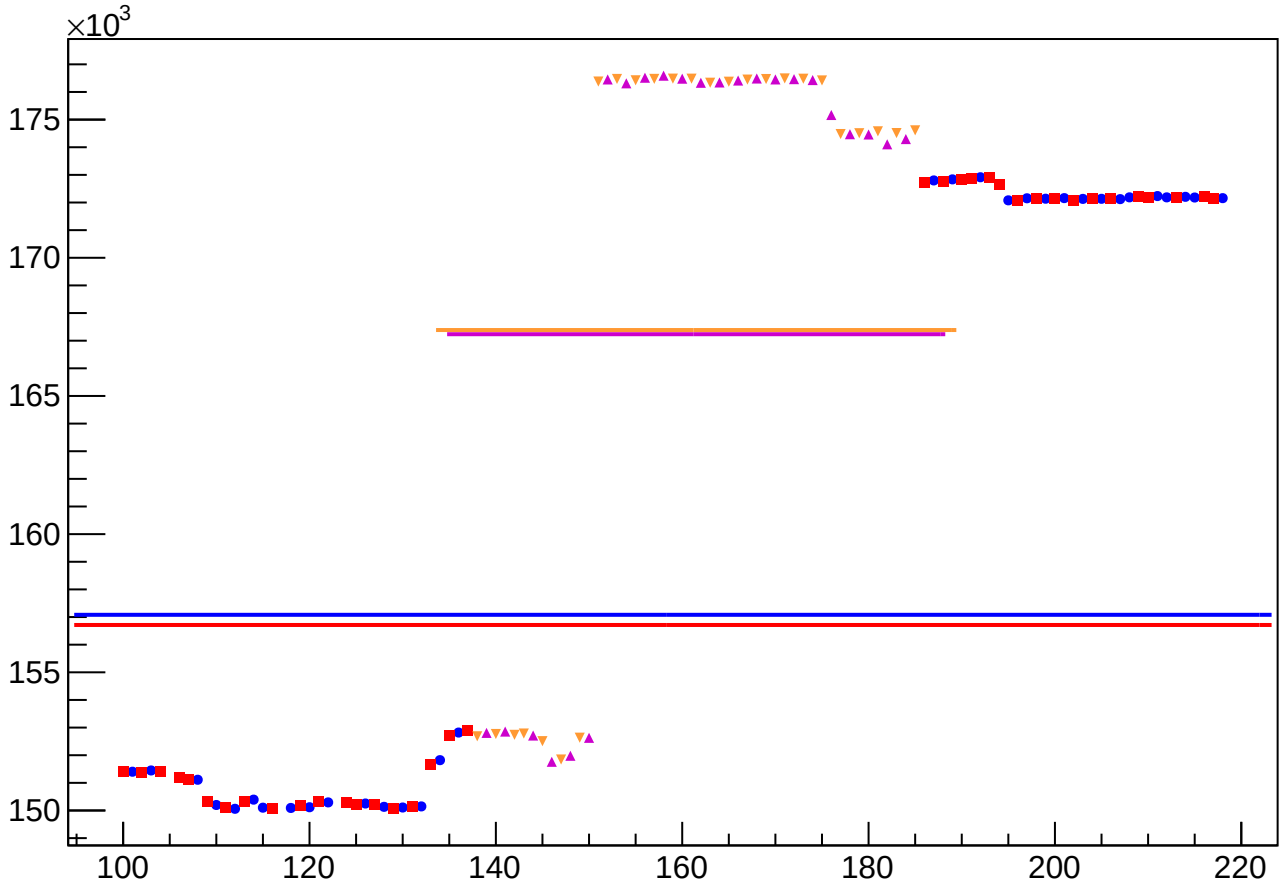
Left In: 222.304+/-0.037 χ^2/NDF:697605.9/22

+ sign 215.210+/-0.026 χ^2/NDF: 6827424.6/56

All: 212.915+/-0.018 χ^2/NDF: 14256836.1/11

- sign 210.660+/-0.025 χ^2/NDF: 7413398.8/58

yield_bpm2i01WS_mean vs Slug



Right In: 157080.732+/-0.046 χ^2/NDF: 47634106854.6/31

Left Out: 167385.483+/-0.047 χ^2/NDF:59602607546.2/24

Right Out: 156712.911+/-0.043 χ^2/NDF: 51776835641.8/35

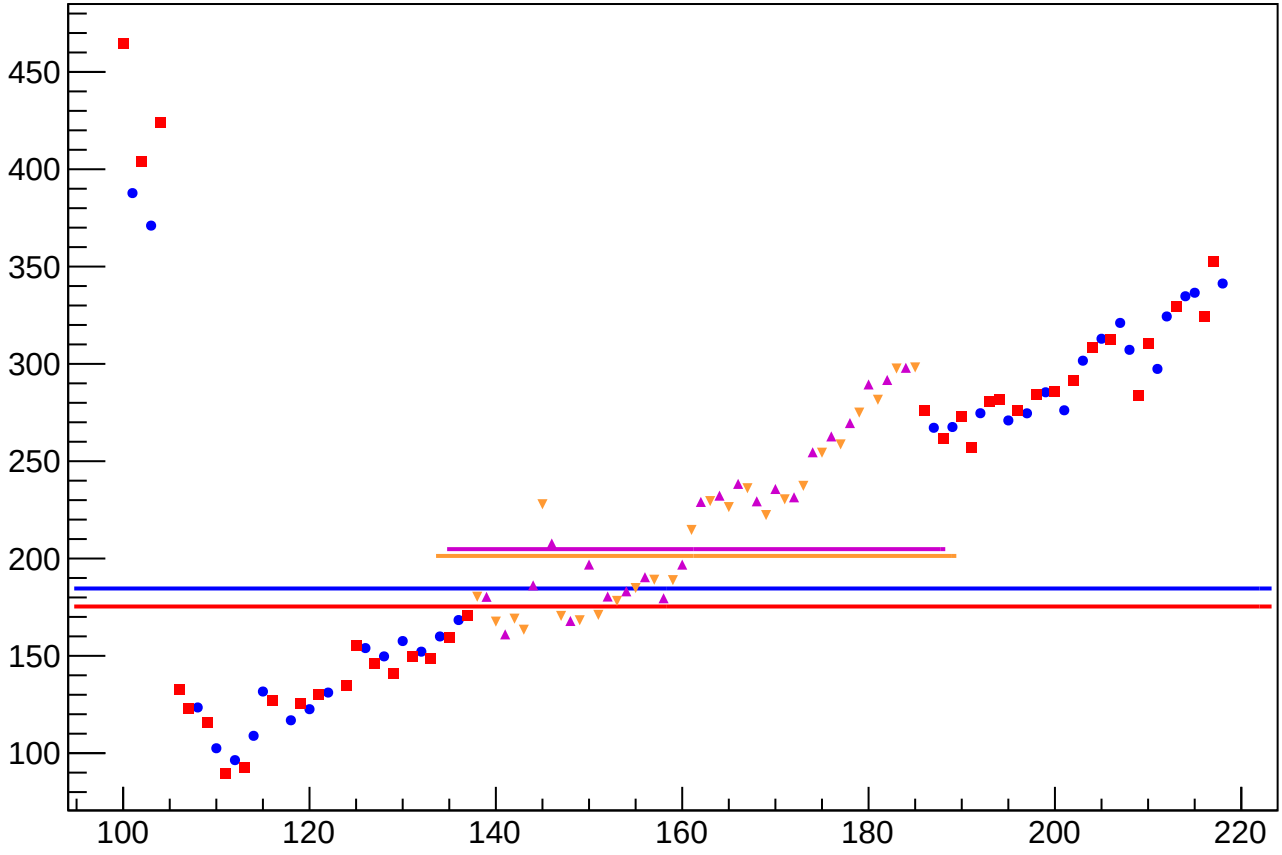
Left In: 167234.214+/-0.049 χ^2/NDF:55099214555.0/22

+ sign 162116.669+/-0.033 χ^2/NDF: 13209737015

All: 161718.027+/-0.023 χ^2/NDF: 2652925

- sign 161326.833+/-0.032 χ^2/NDF: 13290014848

yield_bpm2i01WS_rms vs Slug



Right In: 184.604+/-0.032 χ^2/NDF: 6893846.6/31

Left Out: 201.329+/-0.033 χ^2/NDF:1230655.6/24

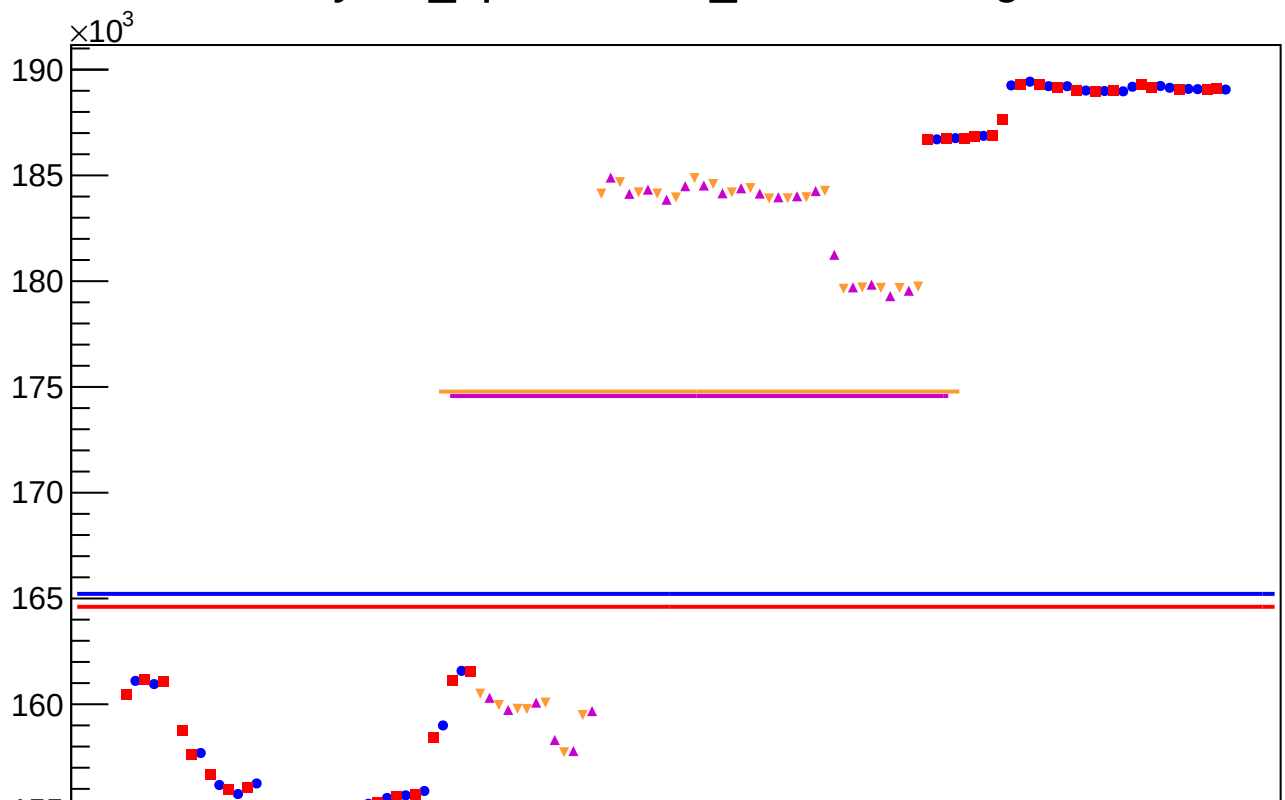
Right Out: 175.349+/-0.031 χ^2/NDF: 7600813.2/35

Left In: 204.826+/-0.035 χ^2/NDF:1053130.7/22

+ sign 192.777+/-0.023 χ^2/NDF: 8255479.1/56

All: 190.505+/-0.016 χ^2/NDF: 17337113.4/11

- sign 188.276+/-0.023 χ^2/NDF: 9062470.0/58



Right In: 165218.113+/-0.049 χ^2/NDF: 88851037967.8/31

Left Out: 174780.651+/-0.048 χ^2/NDF:58132787948.0/24

Right Out: 164607.581+/-0.046 χ^2/NDF: 93559588218.9/35

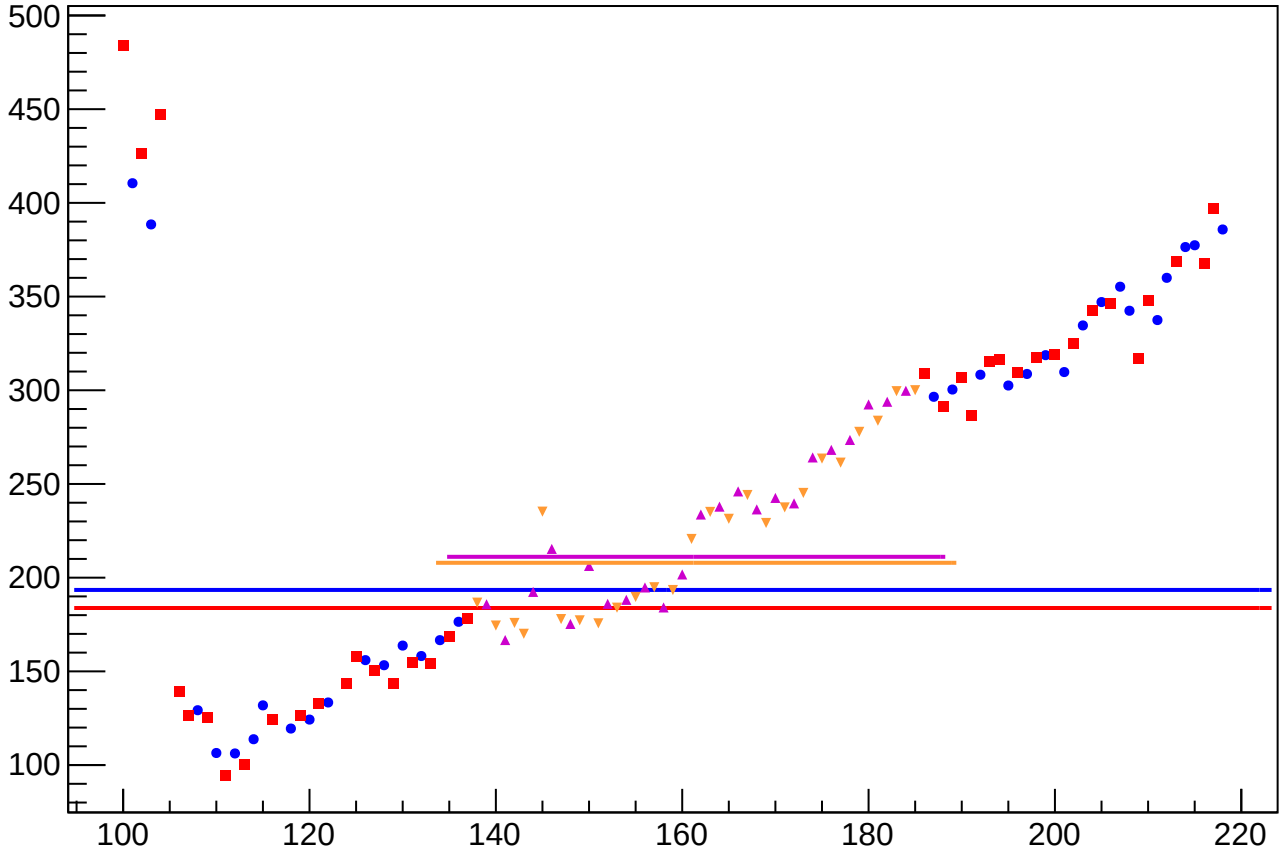
Left In: 174570.001+/-0.050 χ^2/NDF:54757801795.4/22

+ sign 170030.891+/-0.034 χ^2/NDF: 16652923013

All: 169574.881+/-0.024 χ^2/NDF: 3366022

- sign 169126.765+/-0.034 χ^2/NDF: 16972054223

yield_bpm2i02WS_rms vs Slug



Right In: 193.454+/-0.034 χ^2/NDF: 7755598.6/31

Left Out: 207.940+/-0.034 χ^2/NDF:1132127.7/24

Right Out: 183.813+/-0.032 χ^2/NDF: 8446976.0/35

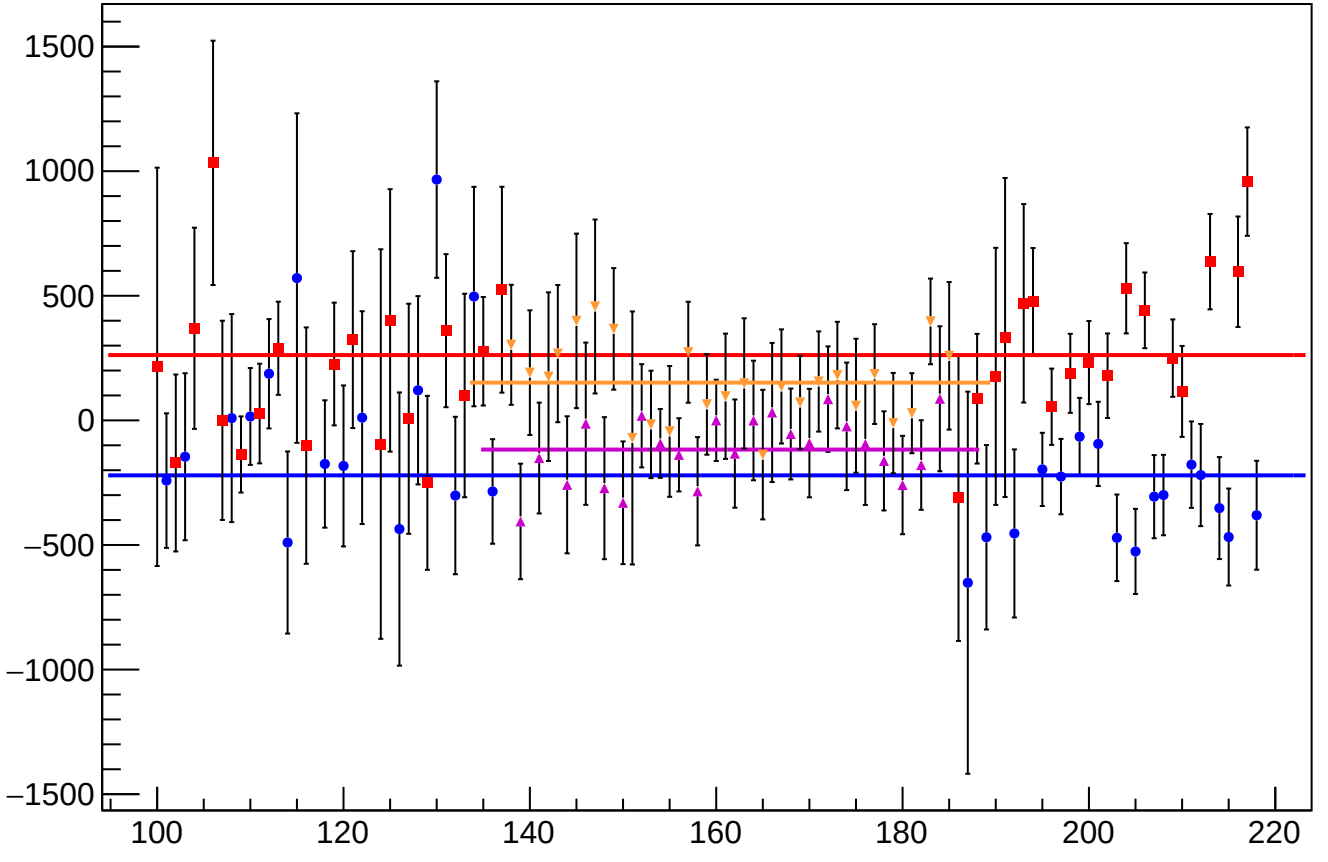
Left In: 211.133+/-0.036 χ^2/NDF:993720.4/22

+ sign 200.744+/-0.024 χ^2/NDF: 8977434.6/56

All: 198.455+/-0.017 χ^2/NDF: 18757810.0/11

- sign 196.206+/-0.024 χ^2/NDF: 9762613.4/58

asym_bcm_target_mean vs Slug



Right In: -220.613+/-40.010 χ^2/NDF: 31.7/31

Left Out: 151.598+/-46.419 χ^2/NDF:9.6/24

Right Out: 262.038+/-39.753 χ^2/NDF: 42.4/35

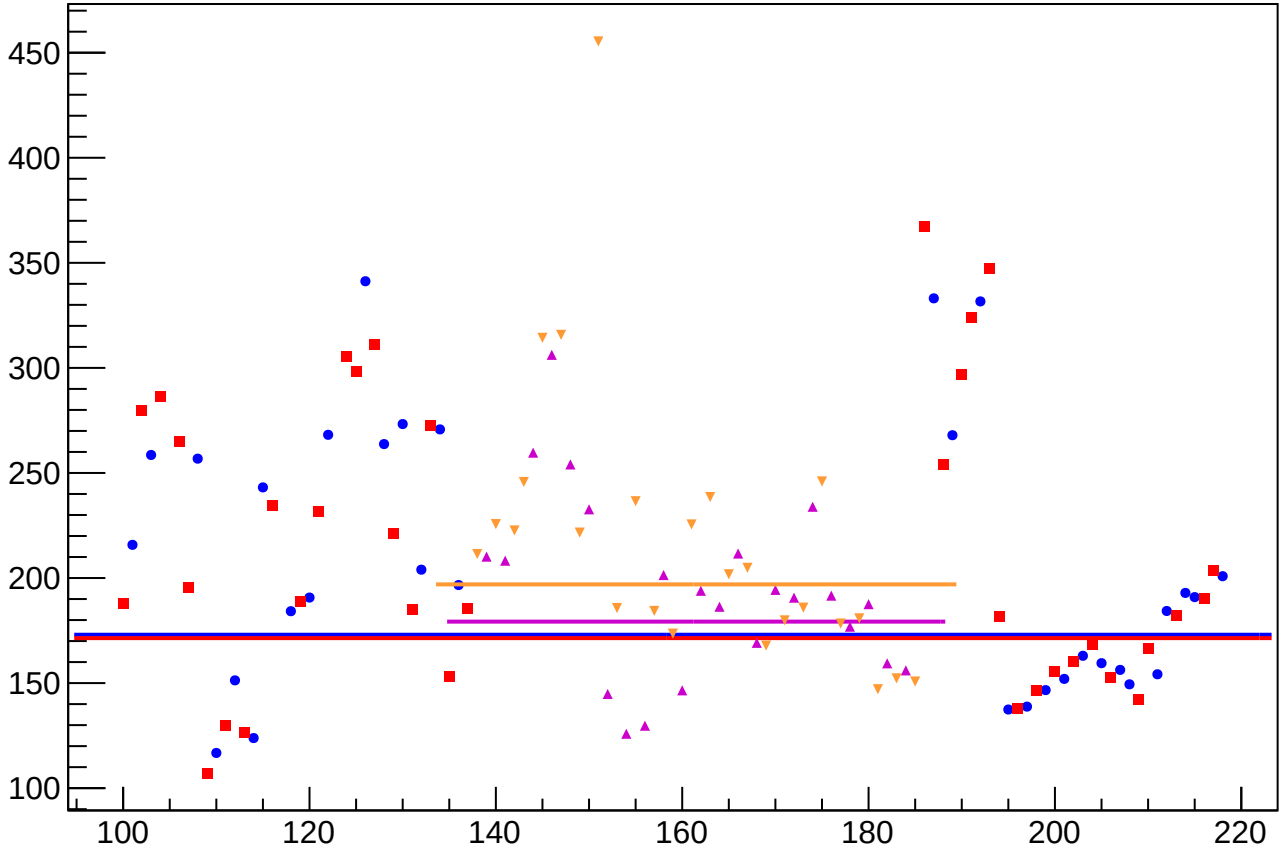
Left In: -117.163+/-43.778 χ^2/NDF:7.5/22

+ sign -61.959+/-30.306 χ^2/NDF: 78.2/56

All: 16.591+/-21.113 χ^2/NDF: 182.3/115

- sign 90.667+/-29.430 χ^2/NDF: 91.0/58

asym_bcm_target_rms vs Slug



Right In: 173.008+/-0.028 χ^2/NDF: 2342016.5/31

Left Out: 196.975+/-0.033 χ^2/NDF:1809307.4/24

Right Out: 171.398+/-0.028 χ^2/NDF: 3035097.7/35

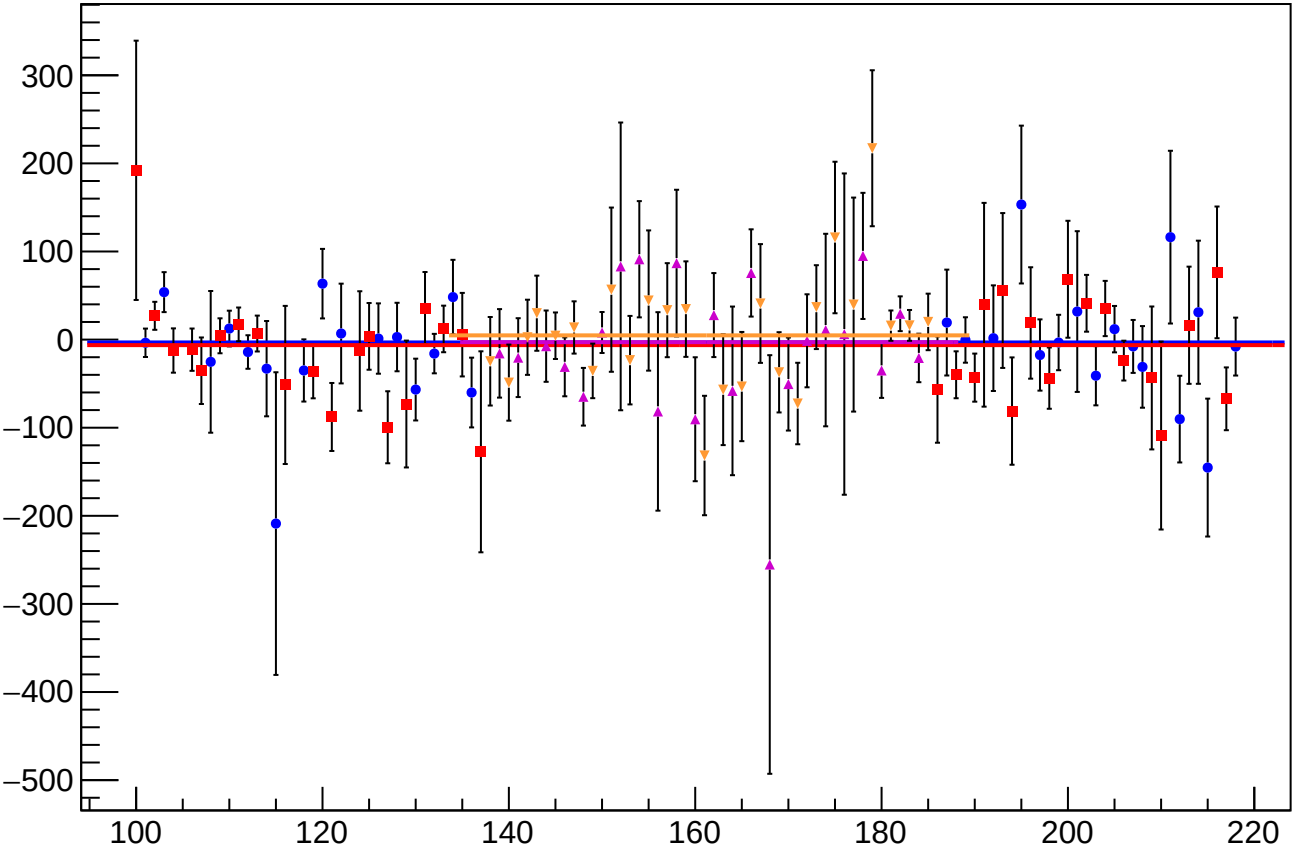
Left In: 179.256+/-0.031 χ^2/NDF:1656023.5/22

+ sign 183.224+/-0.021 χ^2/NDF: 4457234.3/56

All: 178.965+/-0.015 χ^2/NDF: 9260412.1/115

- sign 174.949+/-0.021 χ^2/NDF: 4726437.6/58

asym_bcm_an_diff_mean vs Slug



Right In: -3.245+/-5.961 χ^2/NDF: 32.6/31

Left Out: 4.803+/-7.601 χ^2/NDF:24.3/24

Right Out: -6.271+/-5.589 χ^2/NDF: 42.5/35

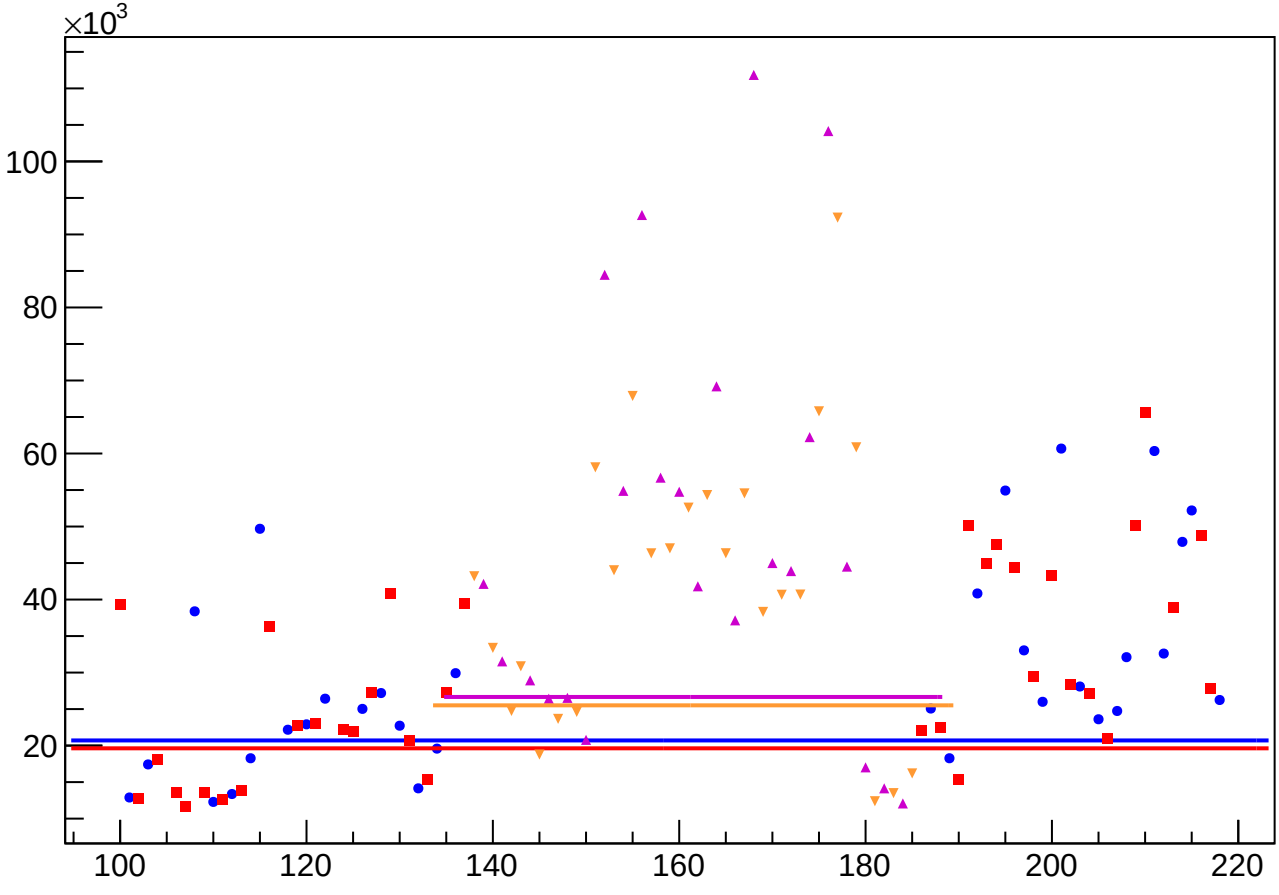
Left In: -2.918+/-8.840 χ^2/NDF:21.5/22

+ sign -0.180+/-4.690 χ^2/NDF: 57.6/56

All: -2.729+/-3.328 χ^2/NDF: 122.3/115

- sign -5.314+/-4.724 χ^2/NDF: 64.1/58

asym_bcm_an_diff_rms vs Slug



Right In: 20706.457+/-4.215 χ^2/NDF: 4207098.2/31

Left Out: 25512.643+/-5.375 χ^2/NDF:7742585.8/24

Right Out: 19626.405+/-3.952 χ^2/NDF: 4795811.0/35

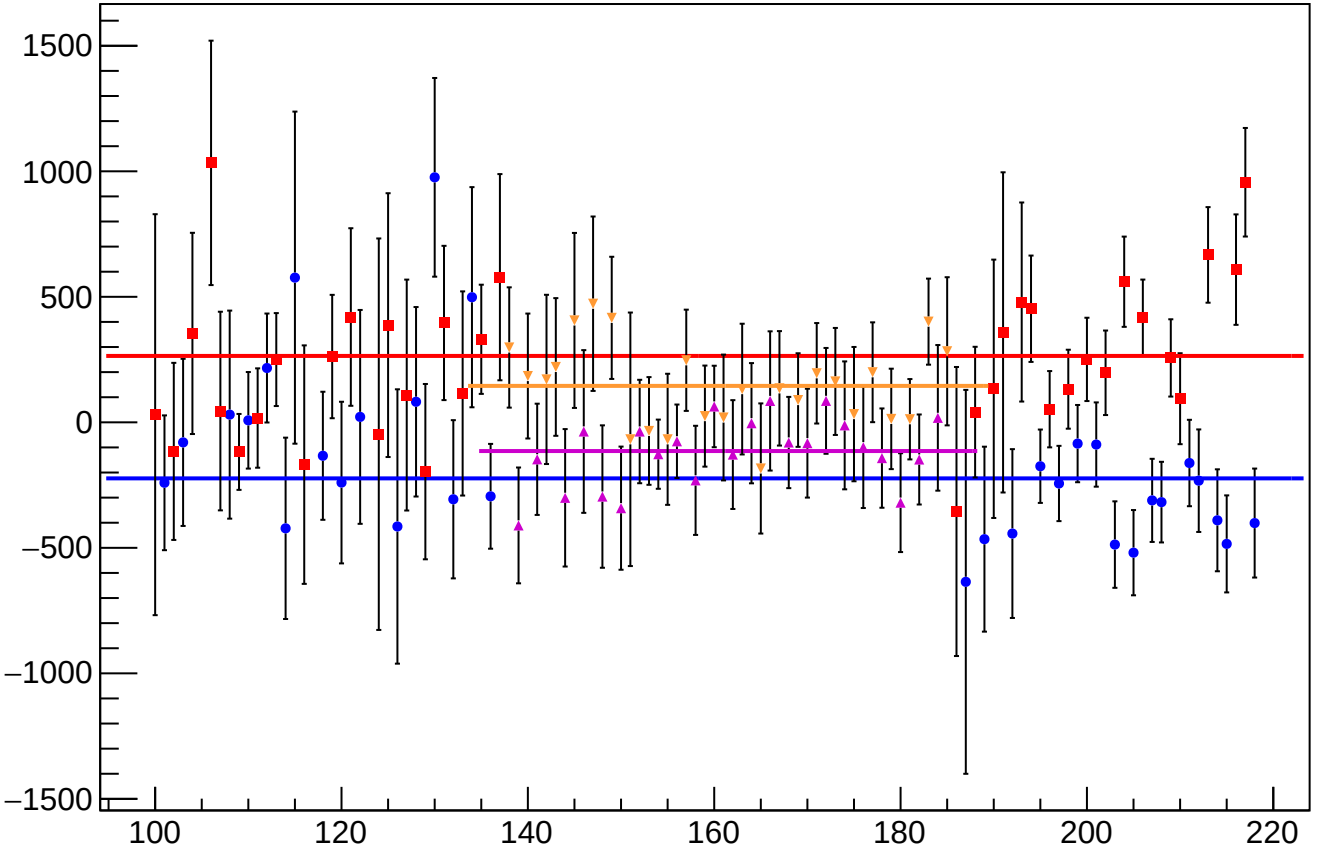
Left In: 26660.853+/-6.251 χ^2/NDF:5883195.1/22

+ sign 22536.553+/-3.317 χ^2/NDF: 12444826.6/56

All: 22089.117+/-2.354 χ^2/NDF: 24065231.0

- sign 21635.226+/-3.340 χ^2/NDF: 11583741.9/58

asym_bcm_an_ds_mean vs Slug



Right In: -223.295+/-39.747 χ^2/NDF: 33.2/31

Left Out: 145.172+/-46.225 χ^2/NDF:11.2/24

Right Out: 264.505+/-39.501 χ^2/NDF: 43.8/35

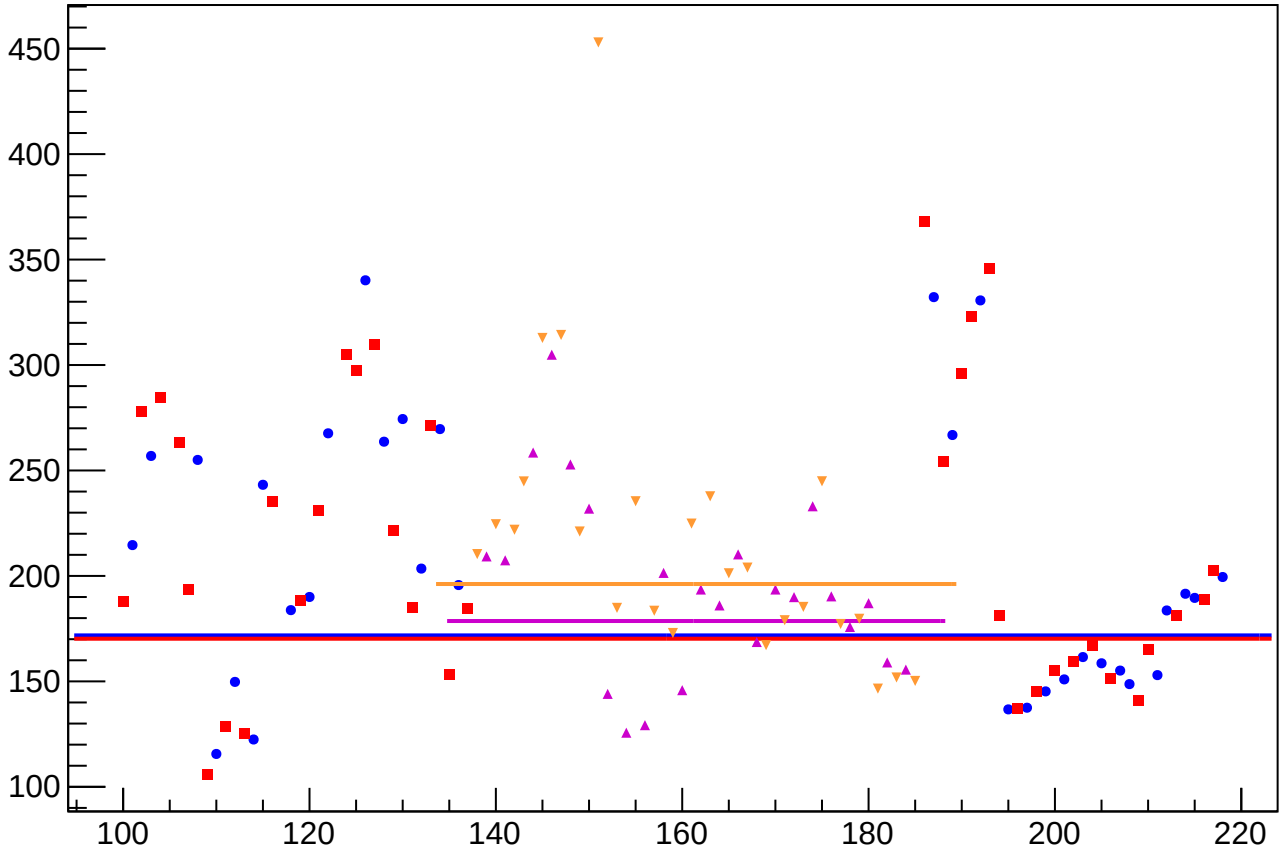
Left In: -114.400+/-43.619 χ^2/NDF:8.4/22

+ sign -66.670+/-30.138 χ^2/NDF: 81.0/56

All: 15.871+/-21.001 χ^2/NDF: 189.2/115

- sign 93.778+/-29.280 χ^2/NDF: 93.7/58

asym_bcm_an_ds_rms vs Slug



Right In: 171.804+/-0.028 χ^2/NDF: 2372123.0/31

Left Out: 196.166+/-0.033 χ^2/NDF:1806871.5/24

Right Out: 170.227+/-0.028 χ^2/NDF: 3074082.7/35

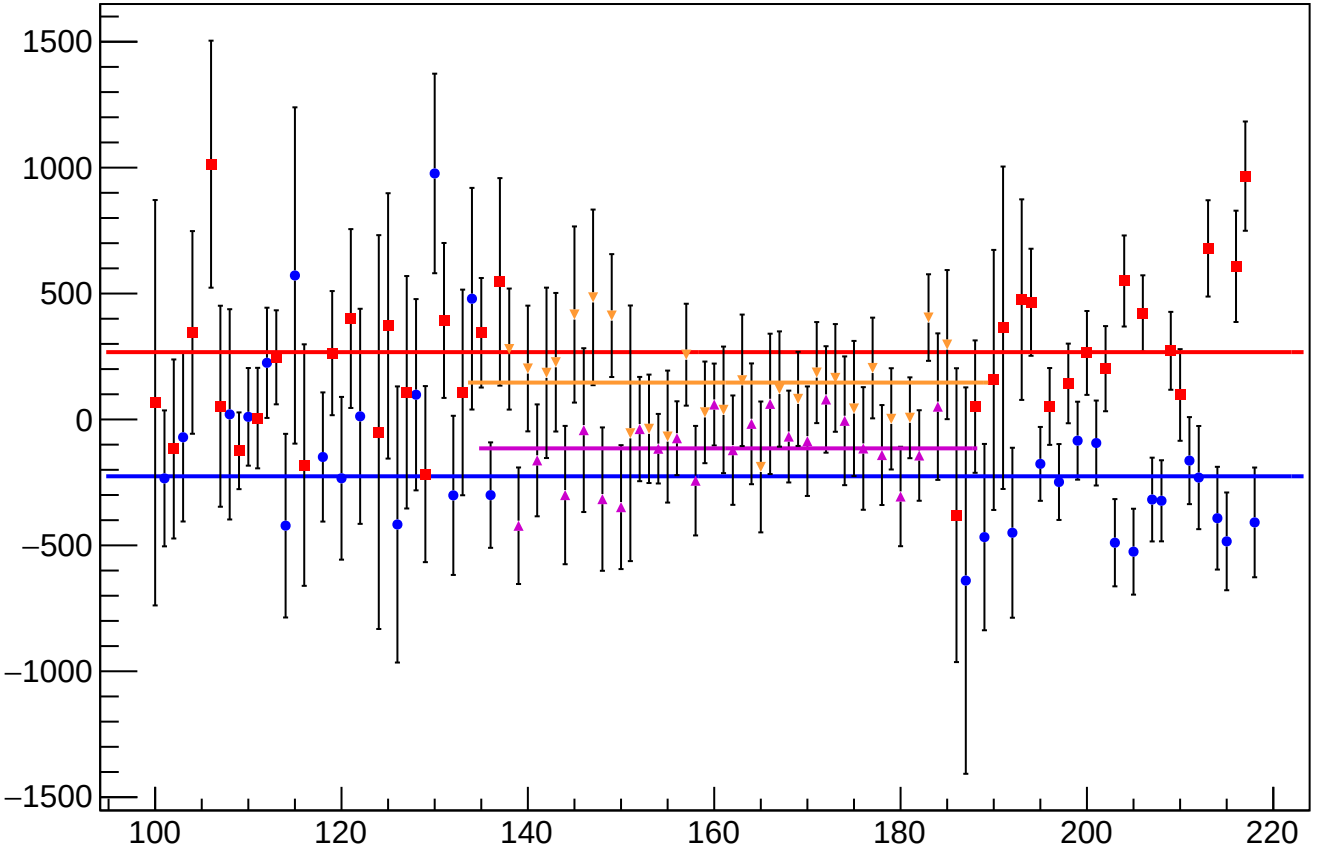
Left In: 178.621+/-0.031 χ^2/NDF:1651873.8/22

+ sign 182.159+/-0.021 χ^2/NDF: 4498358.6/56

All: 177.967+/-0.015 χ^2/NDF: 9340256.0/115

- sign 174.009+/-0.021 χ^2/NDF: 4766647.1/58

asym_bcm_an_ds3_mean vs Slug



Right In: -225.688+/-39.934 χ^2/NDF: 33.3/31

Left Out: 146.417+/-46.379 χ^2/NDF:11.4/24

Right Out: 267.361+/-39.698 χ^2/NDF: 44.0/35

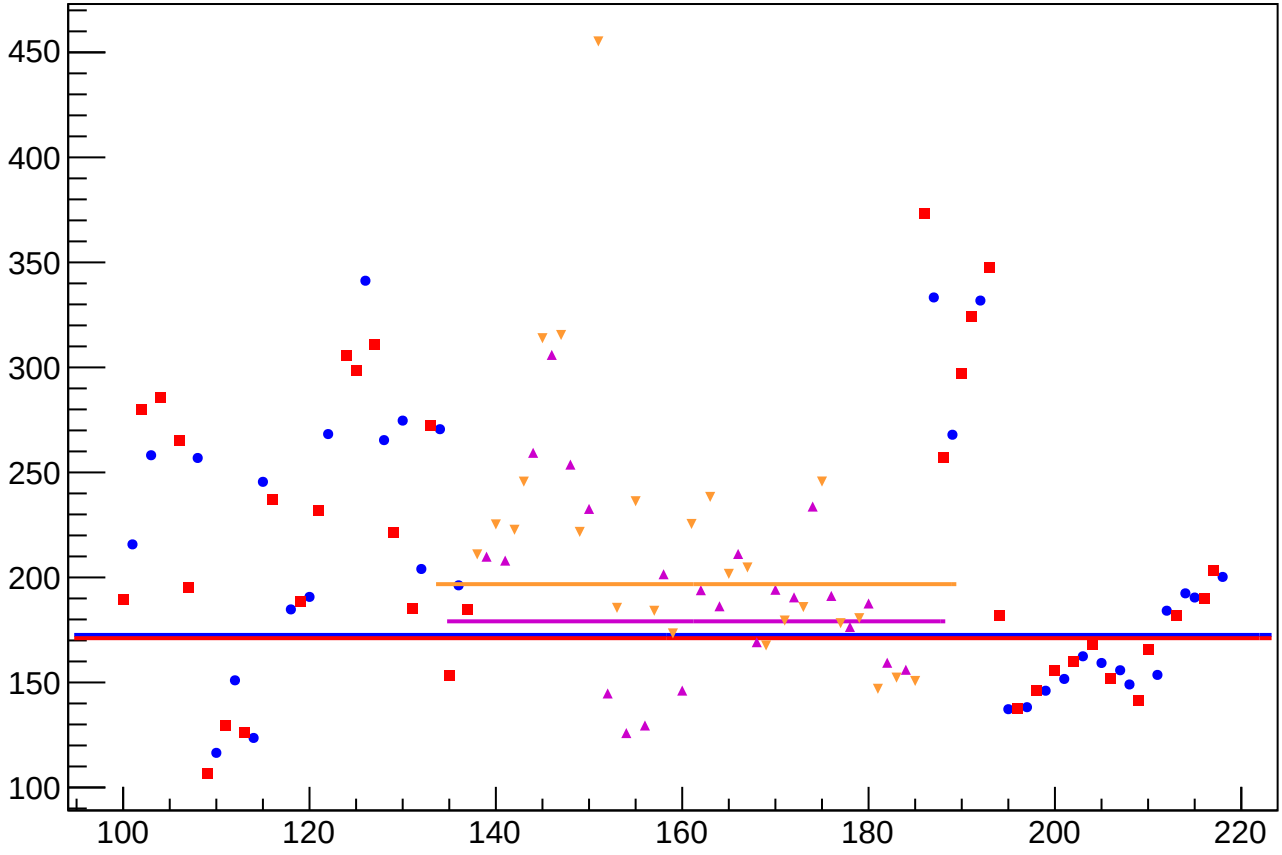
Left In: -114.807+/-43.740 χ^2/NDF:8.4/22

+ sign -67.267+/-30.262 χ^2/NDF: 81.7/56

All: 16.091+/-21.086 χ^2/NDF: 190.7/115

- sign 94.750+/-29.396 χ^2/NDF: 94.3/58

asym_bcm_an_ds3_rms vs Slug



Right In: 172.629+/-0.028 χ^2/NDF: 2363642.7/31

Left Out: 196.805+/-0.033 χ^2/NDF:1808608.7/24

Right Out: 171.079+/-0.028 χ^2/NDF: 3070507.7/35

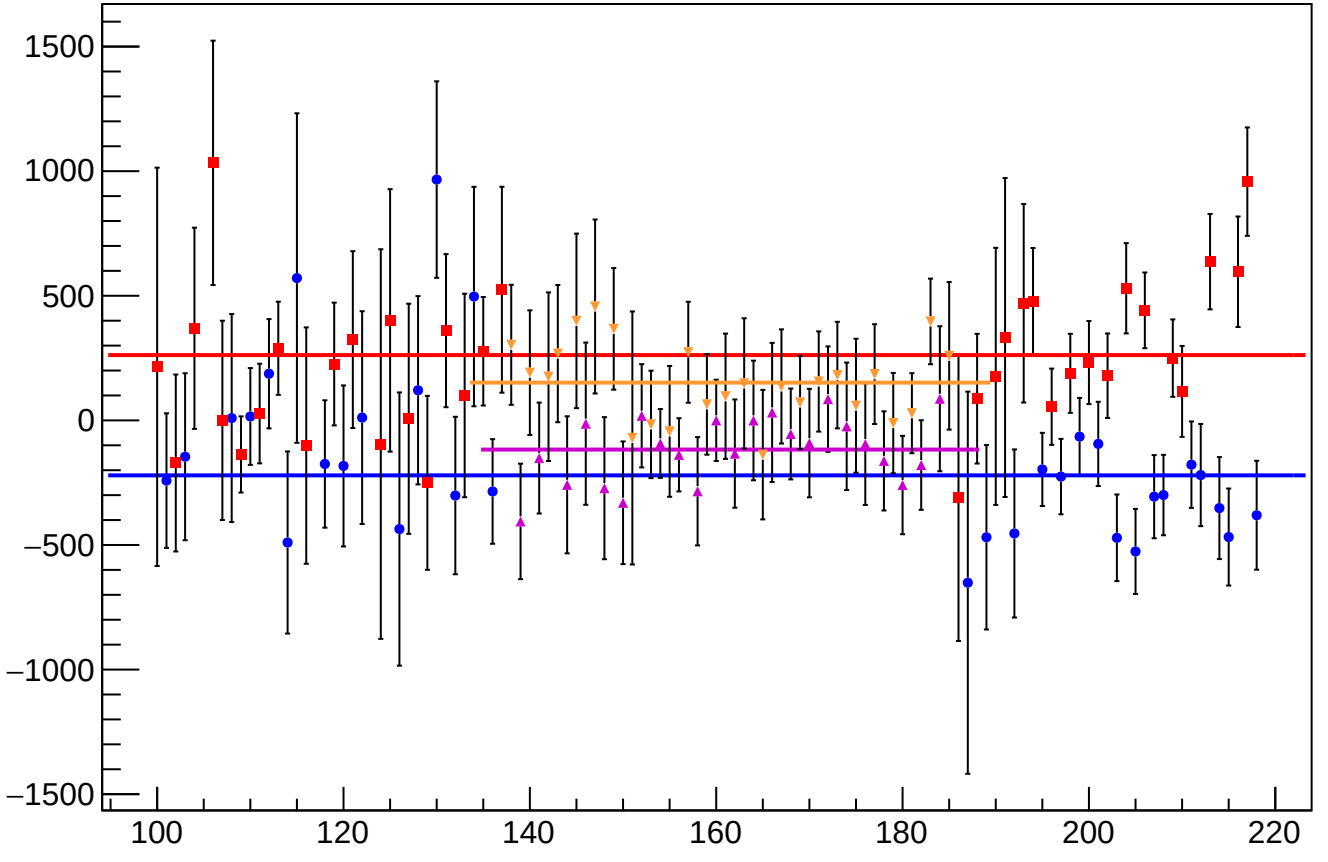
Left In: 179.101+/-0.031 χ^2/NDF:1655866.1/22

+ sign 182.922+/-0.021 χ^2/NDF: 4484347.9/56

All: 178.693+/-0.015 χ^2/NDF: 9323524.4/115

- sign 174.702+/-0.021 χ^2/NDF: 4763259.8/58

asym_bcm_an_us_mean vs Slug



Right In: -220.613+/-40.010 χ^2/NDF: 31.7/31

Left Out: 151.598+/-46.419 χ^2/NDF:9.6/24

Right Out: 262.038+/-39.753 χ^2/NDF: 42.4/35

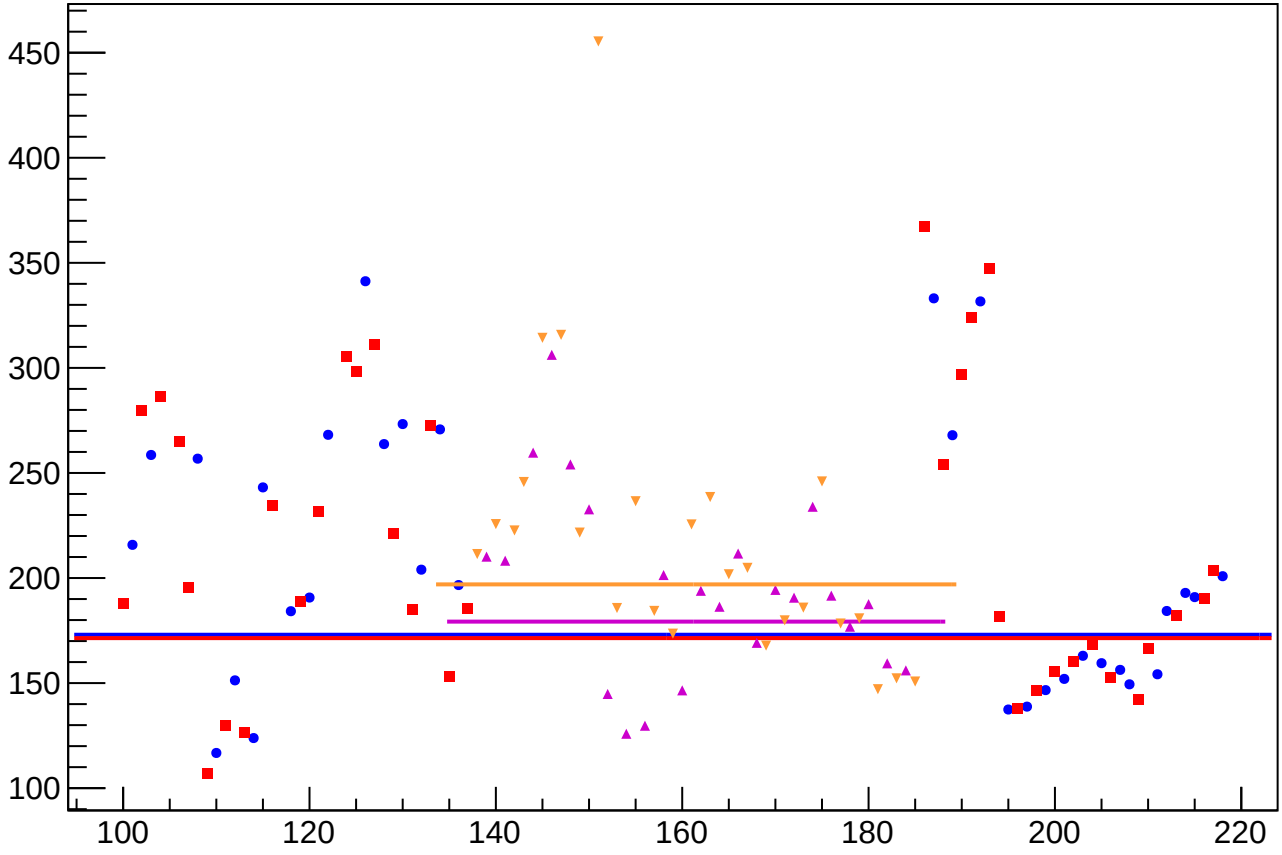
Left In: -117.163+/-43.778 χ^2/NDF:7.5/22

+ sign -61.959+/-30.306 χ^2/NDF: 78.2/56

All: 16.591+/-21.113 χ^2/NDF: 182.3/115

- sign 90.667+/-29.430 χ^2/NDF: 91.0/58

asym_bcm_an_us_rms vs Slug



Right In: 173.008+/-0.028 χ^2/NDF: 2342016.5/31

Left Out: 196.975+/-0.033 χ^2/NDF:1809307.4/24

Right Out: 171.398+/-0.028 χ^2/NDF: 3035097.7/35

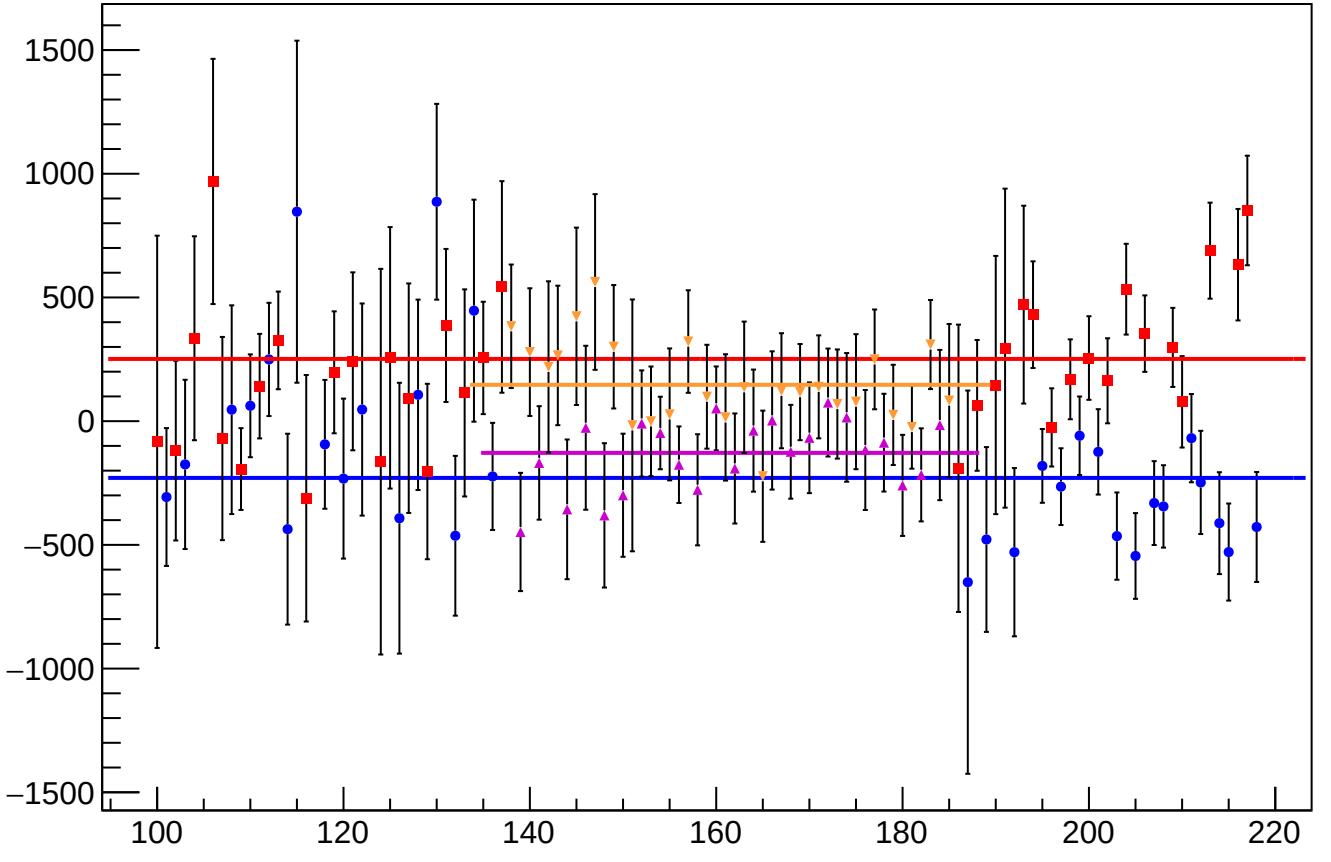
Left In: 179.256+/-0.031 χ^2/NDF:1656023.5/22

+ sign 183.224+/-0.021 χ^2/NDF: 4457234.3/56

All: 178.965+/-0.015 χ^2/NDF: 9260412.1/115

- sign 174.949+/-0.021 χ^2/NDF: 4726437.6/58

asym_bcm_dg_us_mean vs Slug



Right In: -229.315+/-40.889 χ^2/NDF: 35.7/31

Left Out: 146.973+/-47.709 χ^2/NDF:10.2/24

Right Out: 251.552+/-40.766 χ^2/NDF: 40.5/35

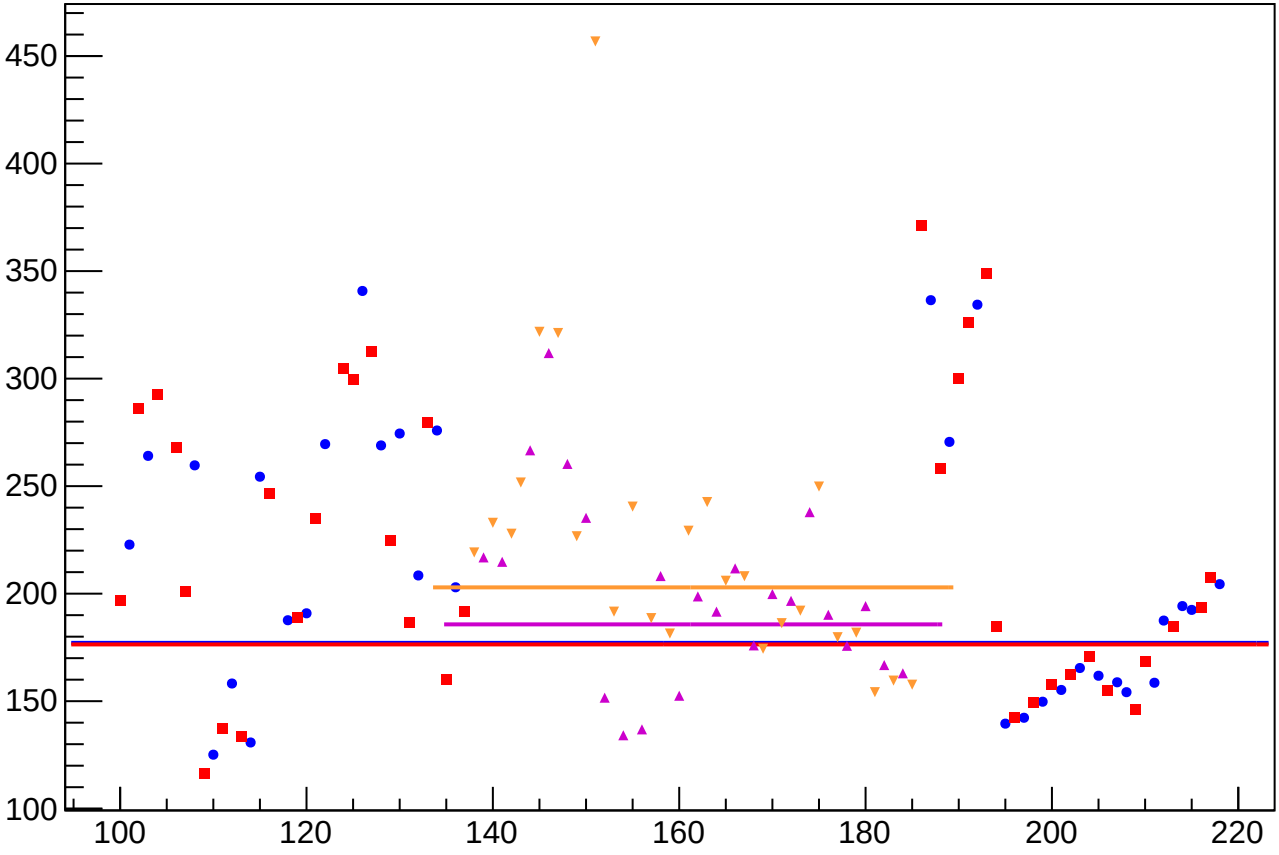
Left In: -128.159+/-45.200 χ^2/NDF:8.6/22

+ sign -69.967+/-31.046 χ^2/NDF: 81.8/56

All: 7.539+/-21.674 χ^2/NDF: 181.9/115

- sign 81.228+/-30.273 χ^2/NDF: 88.0/58

asym_bcm_dg_us_rms vs Slug



Right In: 177.114+/-0.029 χ^2/NDF: 2235753.5/31

Left Out: 202.920+/-0.034 χ^2/NDF:1700115.2/24

Right Out: 176.393+/-0.029 χ^2/NDF: 2818883.8/35

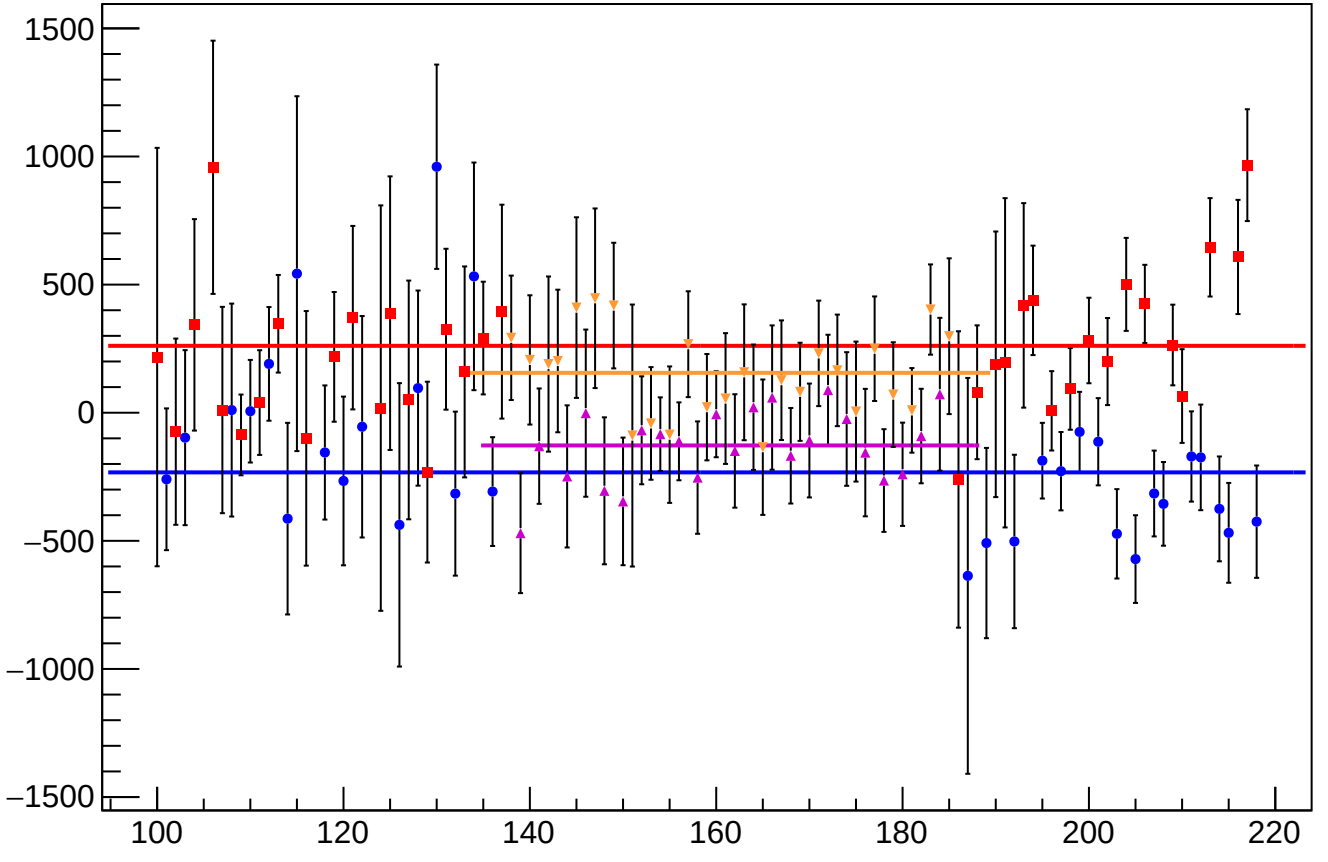
Left In: 185.716+/-0.032 χ^2/NDF:1489487.2/22

+ sign 188.042+/-0.022 χ^2/NDF: 4273227.5/56

All: 184.214+/-0.015 χ^2/NDF: 8687828.6/115

- sign 180.575+/-0.021 χ^2/NDF: 4355288.3/58

asym_bcm_dg_ds_mean vs Slug



Right In: -232.824+/-40.378 χ^2/NDF: 32.9/31

Left Out: 155.646+/-47.263 χ^2/NDF:10.7/24

Right Out: 261.107+/-40.157 χ^2/NDF: 39.7/35

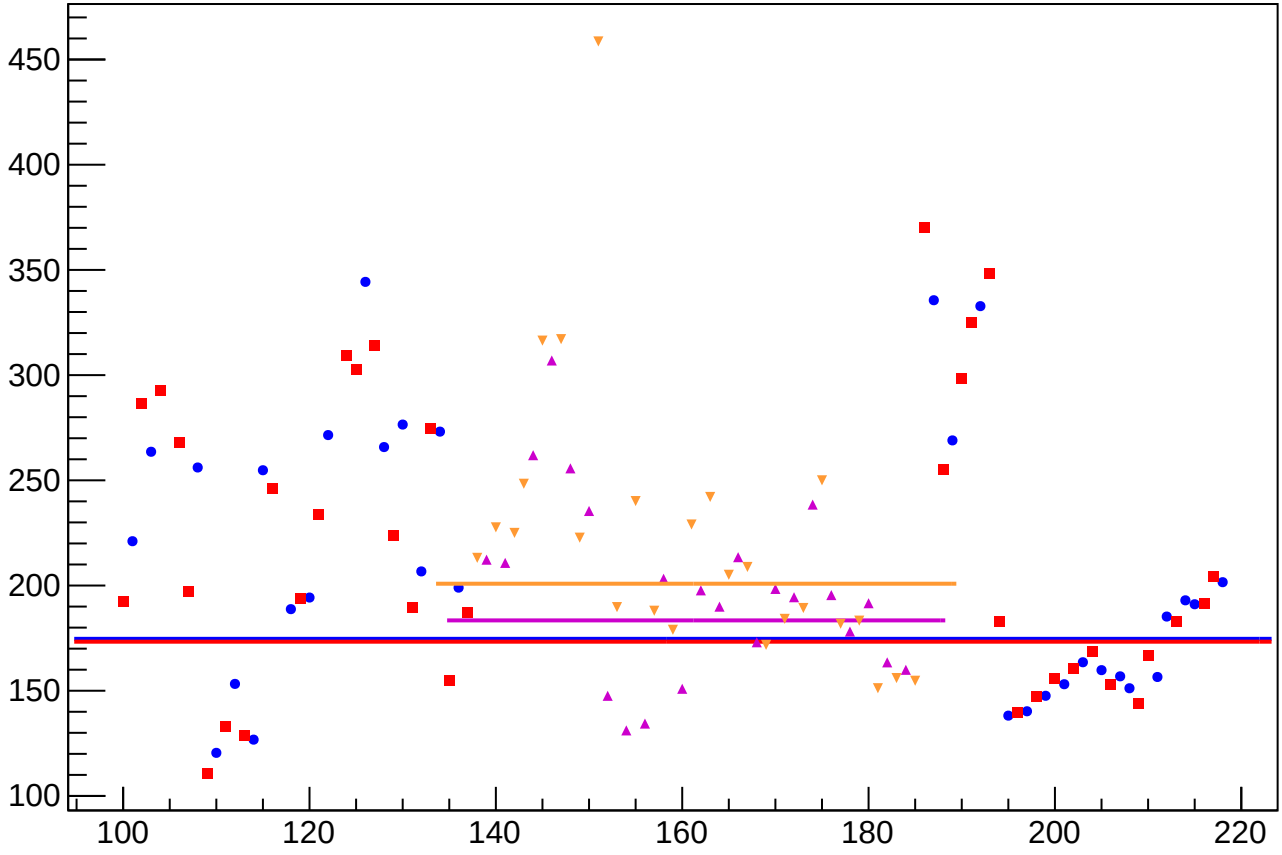
Left In: -127.660+/-44.698 χ^2/NDF:8.0/22

+ sign -68.920+/-30.700 χ^2/NDF: 82.6/56

All: 11.410+/-21.410 χ^2/NDF: 185.5/115

- sign 87.466+/-29.872 χ^2/NDF: 89.6/58

asym_bcm_dg_ds_rms vs Slug



Right In: 174.667+/-0.029 χ^2/NDF: 2326640.2/31

Left Out: 200.865+/-0.033 χ^2/NDF:1727404.3/24

Right Out: 173.312+/-0.028 χ^2/NDF: 2991307.8/35

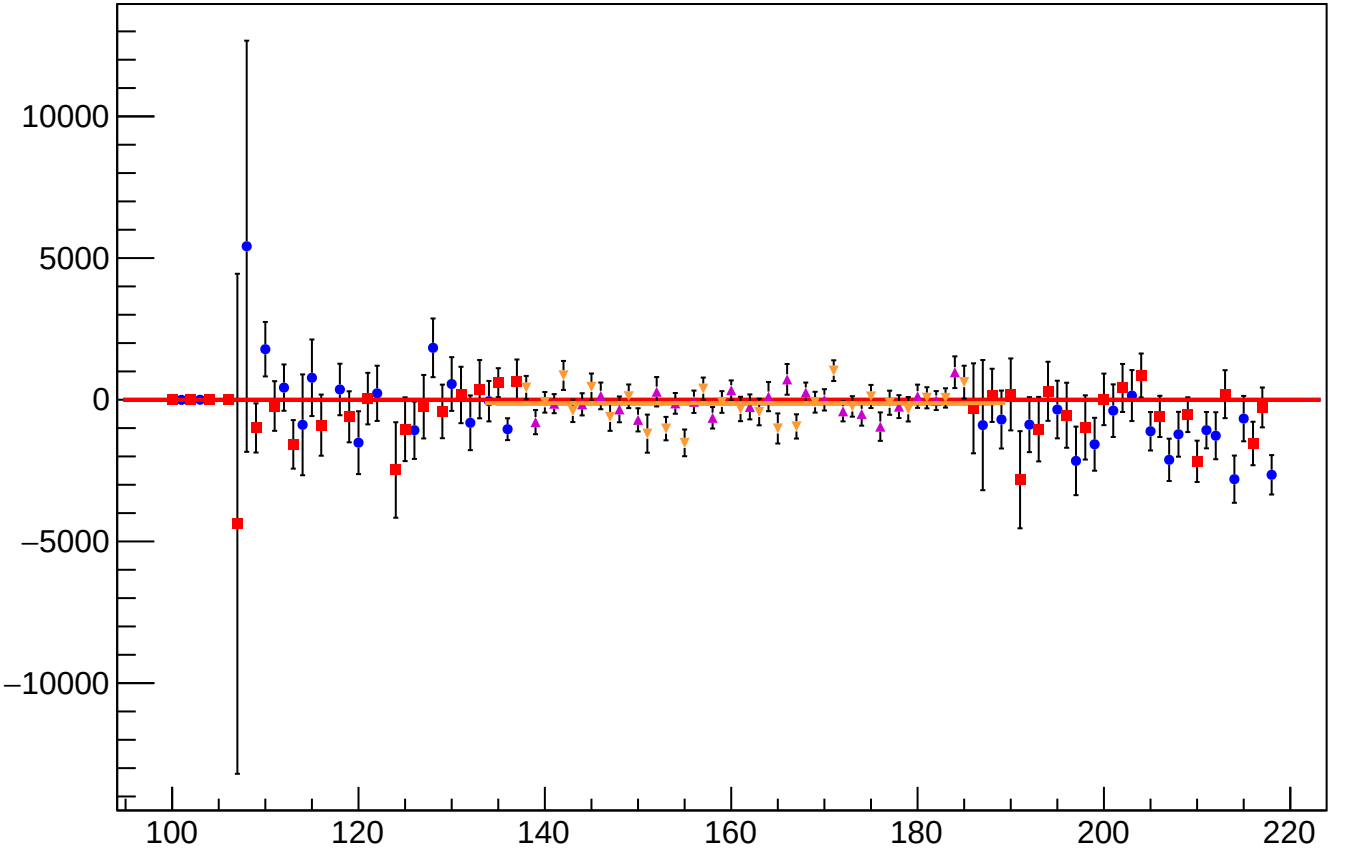
Left In: 183.433+/-0.032 χ^2/NDF:1530678.8/22

+ sign 185.721+/-0.022 χ^2/NDF: 4409249.8/56

All: 181.669+/-0.015 χ^2/NDF: 9055805.8/115

- sign 177.833+/-0.021 χ^2/NDF: 4578733.8/58

asym_cav4bQ_mean vs Slug



Right In: -1.374+/-2.171 χ^2/NDF: 72.3/31

Left Out: -117.658+/-84.207 χ^2/NDF:46.4/24

Right Out: -1.418+/-2.022 χ^2/NDF: 37.5/35

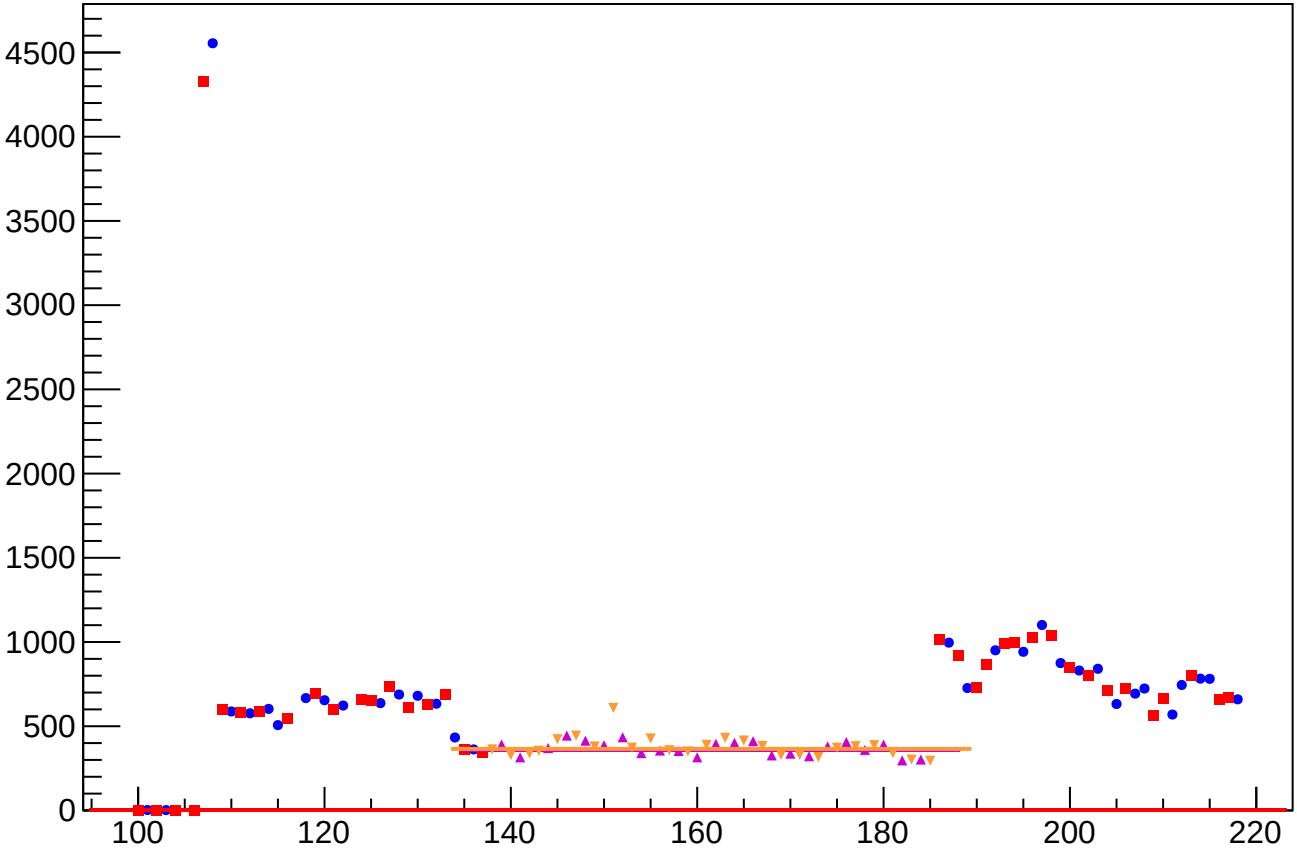
Left In: -129.738+/-85.075 χ^2/NDF:21.7/22

+ sign -1.452+/-2.170 χ^2/NDF: 120.6/56

All: -1.472+/-1.479 χ^2/NDF: 182.0/115

- sign -1.490+/-2.022 χ^2/NDF: 61.4/58

asym_cav4bQ_rms vs Slug



Right In: 2.554+/-0.002 χ^2/NDF: 37033632.7/31

Left Out: 365.603+/-0.060 χ^2/NDF:668124.0/24

Right Out: 2.529+/-0.001 χ^2/NDF: 37507911.2/35

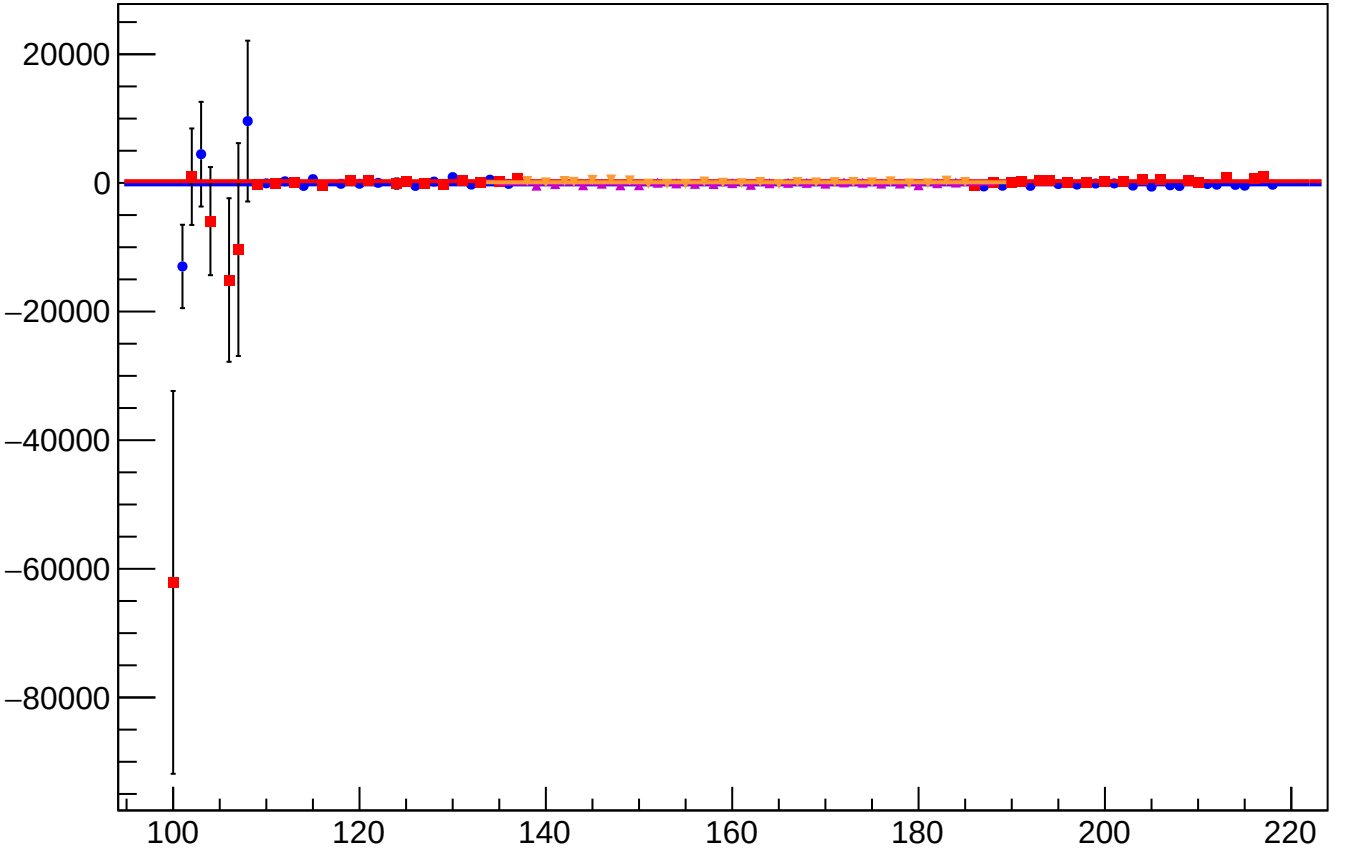
Left In: 359.024+/-0.060 χ^2/NDF:446263.1/22

+ sign 2.795+/-0.002 χ^2/NDF: 74852700.6/56

All: 2.761+/-0.001 χ^2/NDF: 147906446.4/115

- sign 2.731+/-0.001 χ^2/NDF: 73052795.1/58

asym_cav4cQ_mean vs Slug



Right In: -226.693+/-43.773 χ^2/NDF: 34.5/31

Left Out: 99.601+/-48.250 χ^2/NDF:12.7/24

Right Out: 267.094+/-43.982 χ^2/NDF: 48.5/35

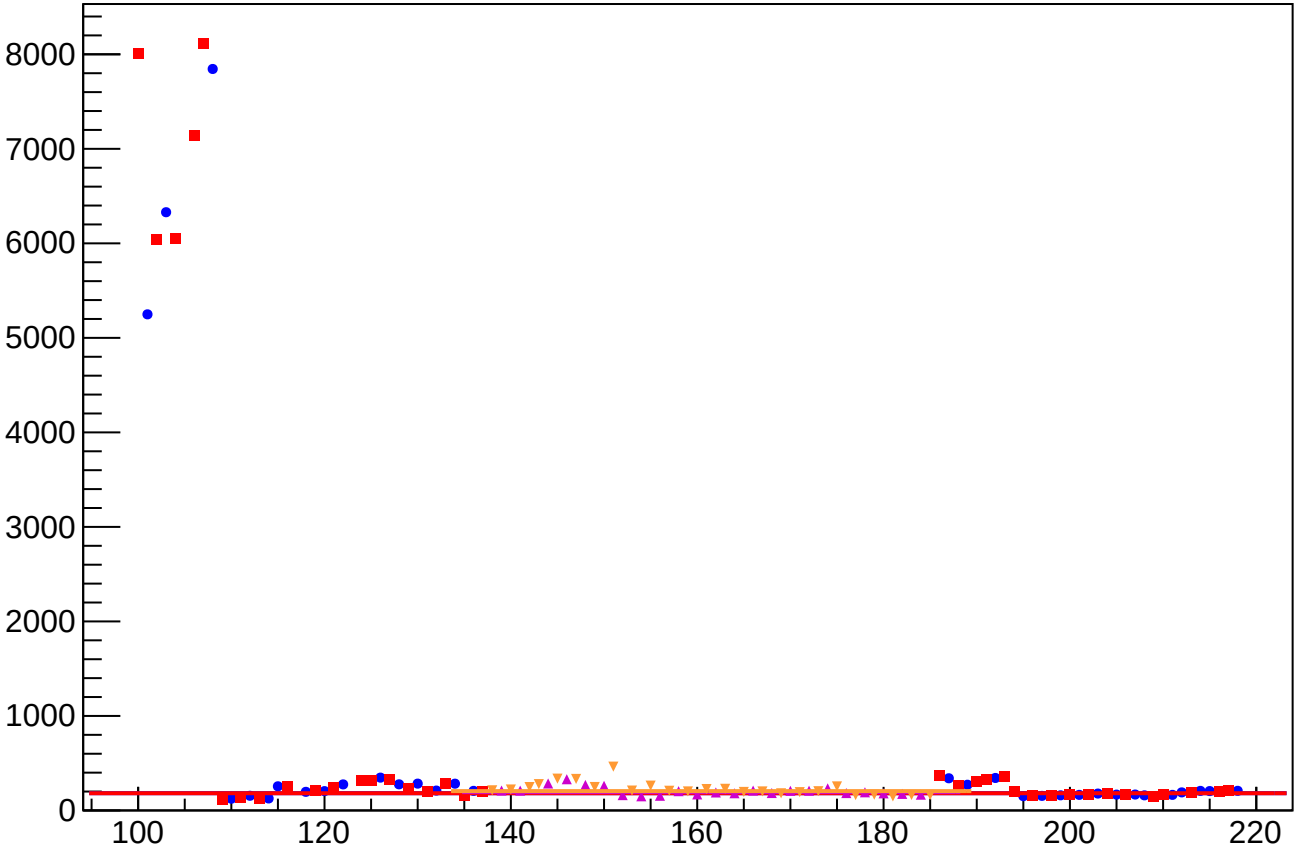
Left In: -119.345+/-46.957 χ^2/NDF:9.3/22

\+ sign -79.384+/-32.420 χ^2/NDF: 72.4/56

All: 4.379+/-22.810 χ^2/NDF: 179.4/115

\- sign 86.502+/-32.100 χ^2/NDF: 93.9/58

asym_cav4cQ_rms vs Slug



Right In: 182.761+/-0.031 χ^2/NDF: 4975956.9/31

Left Out: 204.581+/-0.034 χ^2/NDF:1975114.7/24

Right Out: 182.230+/-0.031 χ^2/NDF: 5655099.0/35

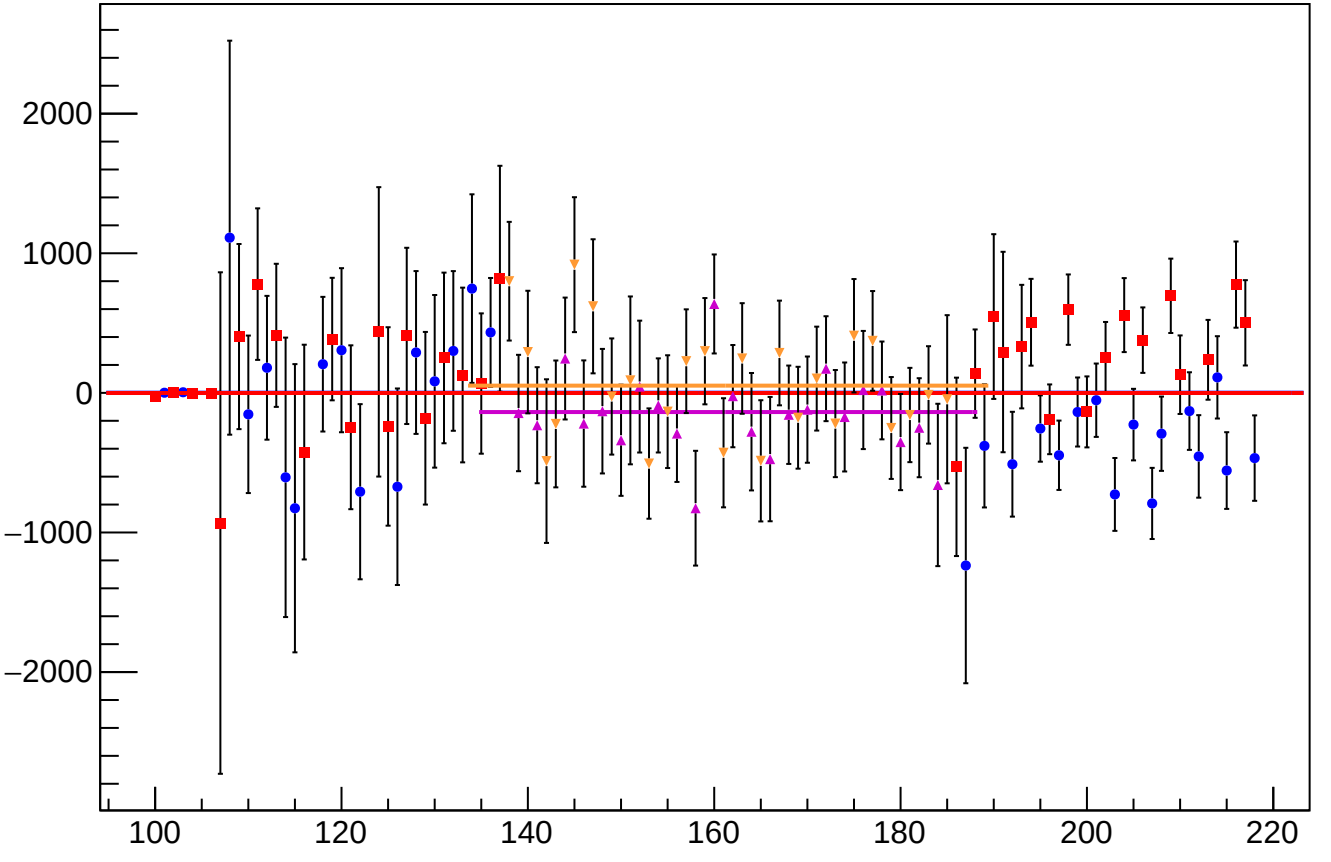
Left In: 193.895+/-0.033 χ^2/NDF:1191589.3/22

+ sign 192.612+/-0.023 χ^2/NDF: 7175438.8/56

All: 190.122+/-0.016 χ^2/NDF: 14111239.1/11

- sign 187.681+/-0.023 χ^2/NDF: 6912440.4/58

asym_cav4dQ_mean vs Slug



Right In: 1.260+/-1.660 χ^2/NDF: 46.2/31

Left Out: 51.829+/-81.555 χ^2/NDF:19.4/24

Right Out: -0.953+/-1.527 χ^2/NDF: 45.6/35

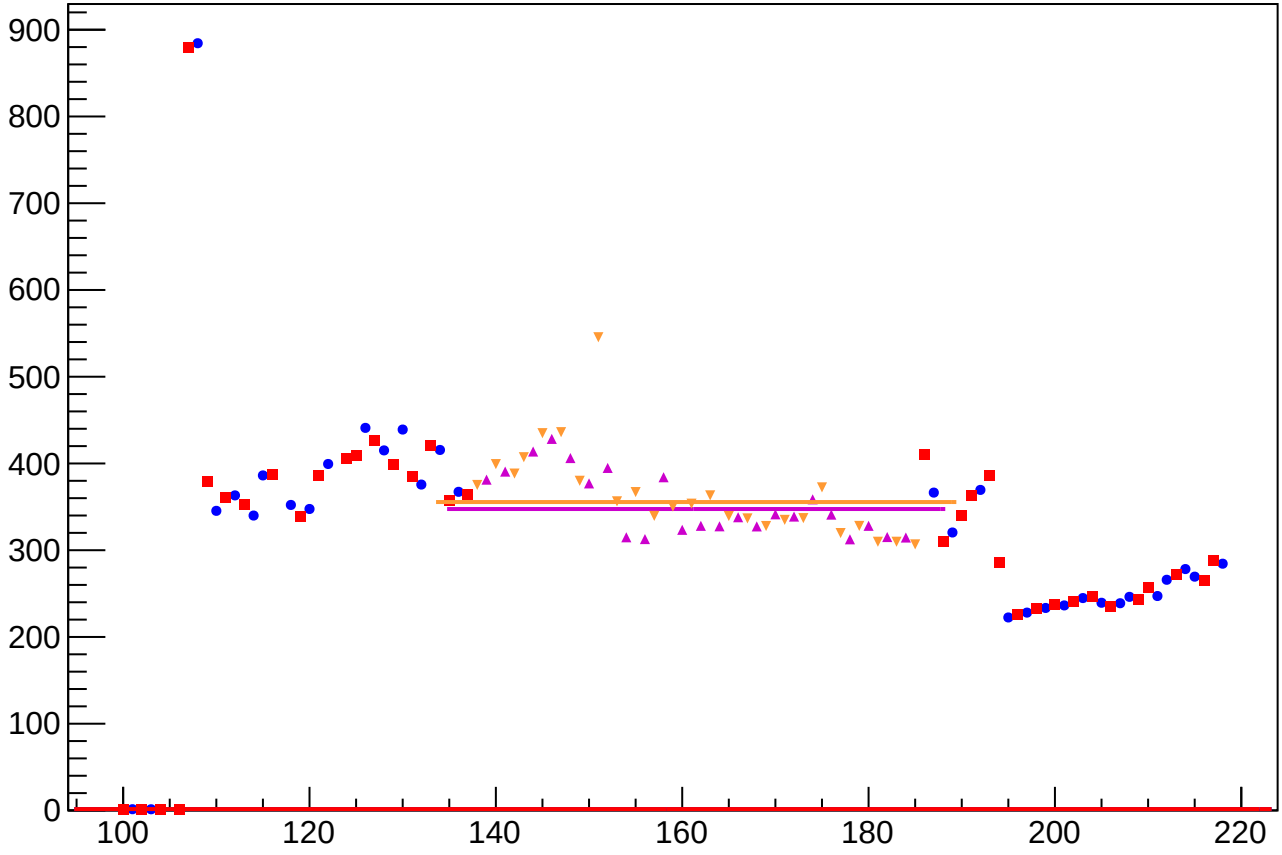
Left In: -137.399+/-82.111 χ^2/NDF:12.2/22

+ sign 1.281+/-1.660 χ^2/NDF: 66.0/56

All: 0.046+/-1.124 χ^2/NDF: 127.5/115

- sign -1.000+/-1.527 χ^2/NDF: 60.5/58

asym_cav4dQ_rms vs Slug



Right In: 1.607+/-0.001 χ^2/NDF: 37253609.3/31

Left Out: 355.535+/-0.058 χ^2/NDF:528878.5/24

Right Out: 1.581+/-0.001 χ^2/NDF: 37154349.2/35

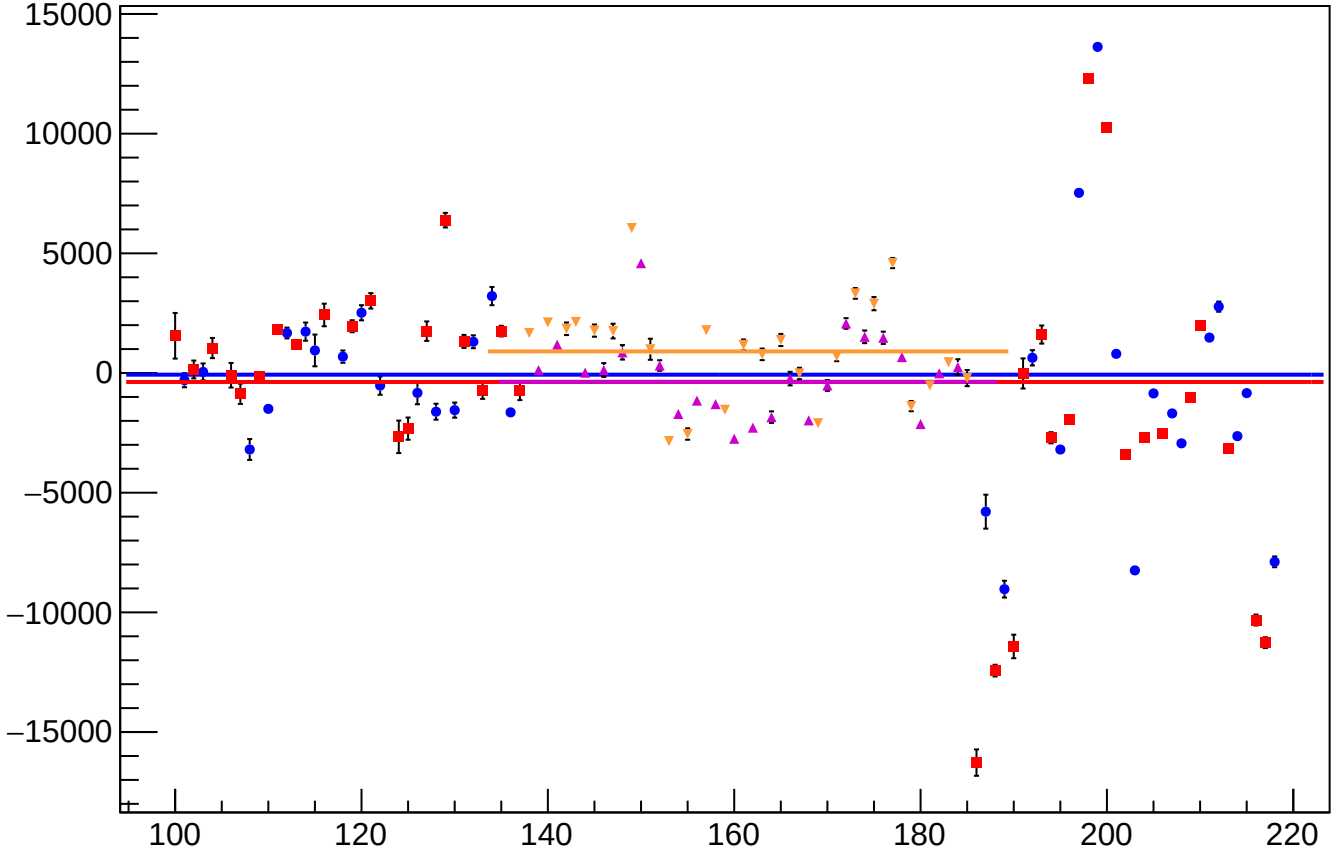
Left In: 347.484+/-0.058 χ^2/NDF:344530.3/22

+ sign 1.754+/-0.001 χ^2/NDF: 75433665.5/56

All: 1.725+/-0.001 χ^2/NDF: 148413896.9/115

- sign 1.701+/-0.001 χ^2/NDF: 72979112.8/58

asym_bcm0l02_mean vs Slug



Right In: -69.335+/-41.975 χ^2/NDF: 13485.2/31

Left Out: 901.476+/-44.481 χ^2/NDF:2411.0/24

Right Out: -373.899+/-41.650 χ^2/NDF: 18764.4/35

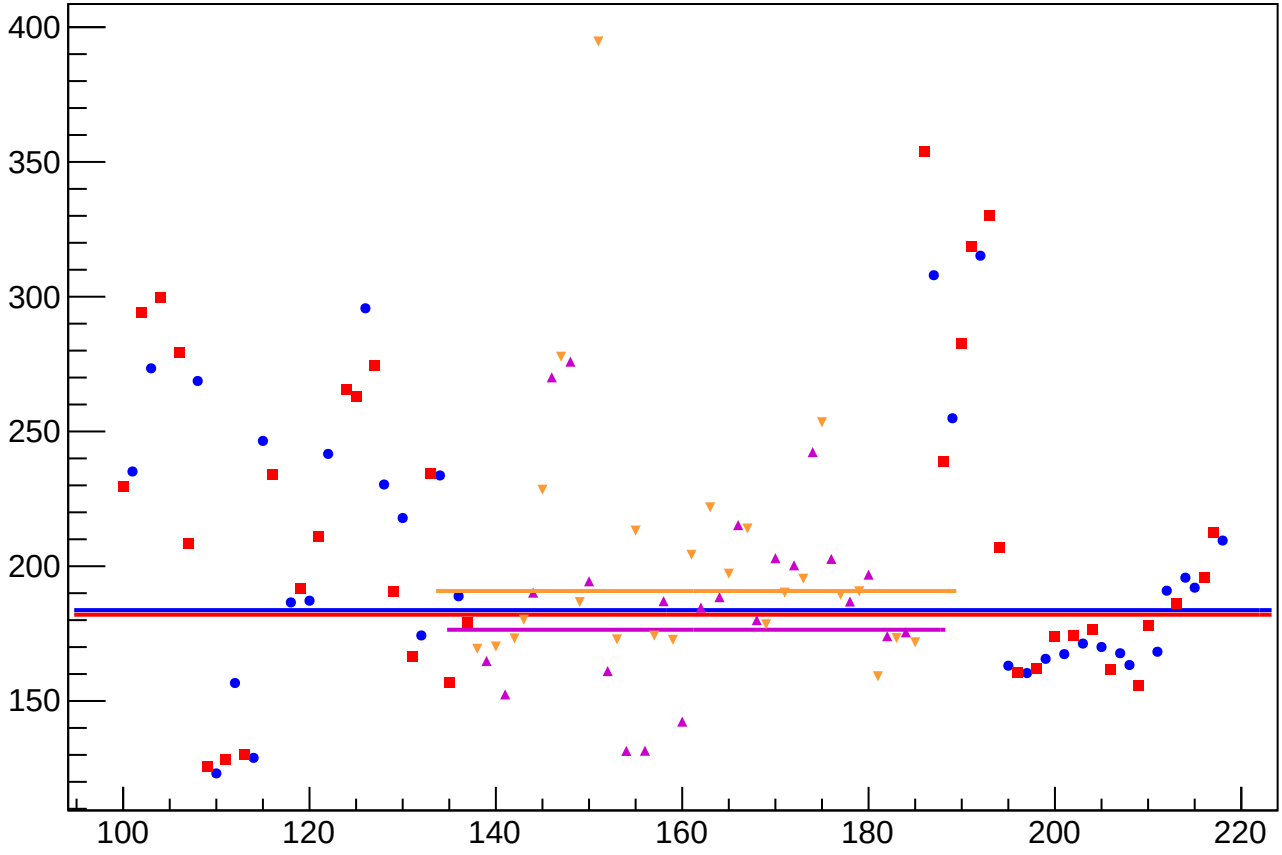
Left In: -368.252+/-42.700 χ^2/NDF:1593.0/22

+ sign 387.950+/-30.528 χ^2/NDF: 16148.1/56

All: -0.565+/-21.330 χ^2/NDF: 36822.0/115

- sign -371.146+/-29.815 χ^2/NDF: 20357.4/58

asym_bcm0l02_rms vs Slug



Right In: 183.716+/-0.030 χ^2/NDF: 1483581.9/31

Left Out: 190.801+/-0.031 χ^2/NDF:1019598.1/24

Right Out: 182.020+/-0.029 χ^2/NDF: 2233911.5/35

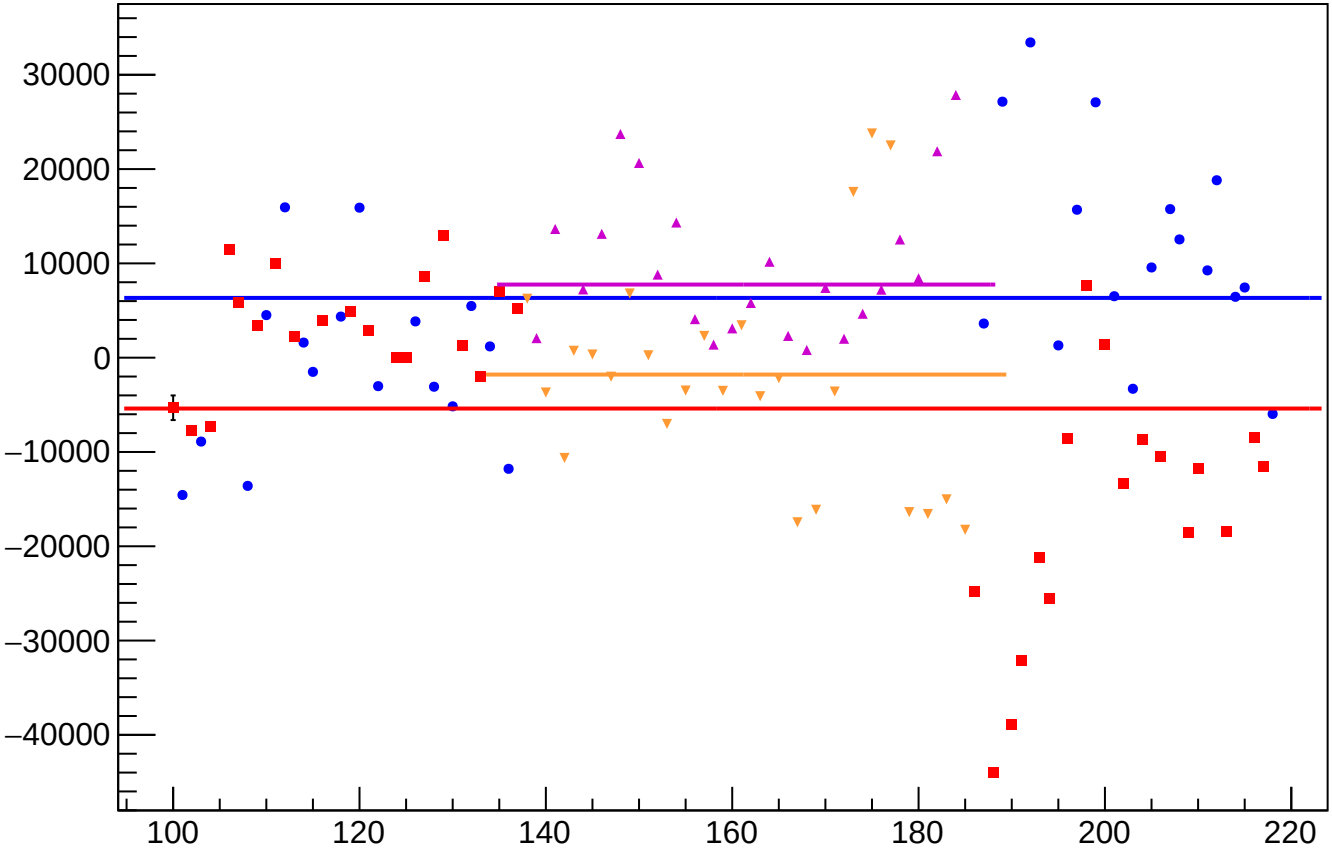
Left In: 176.431+/-0.030 χ^2/NDF:1257661.0/22

+ sign 187.053+/-0.022 χ^2/NDF: 2530022.4/56

All: 183.083+/-0.015 χ^2/NDF: 6105256.0/115

- sign 179.295+/-0.021 χ^2/NDF: 3509130.4/58

asym_bpm0i02WS_mean vs Slug



Right In: 6339.118+/-38.059 χ^2/NDF: 99112.1/31

Left Out: -1790.289+/-40.910 χ^2/NDF:65745.9/24

Right Out: -5393.881+/-36.880 χ^2/NDF: 147782.5/35

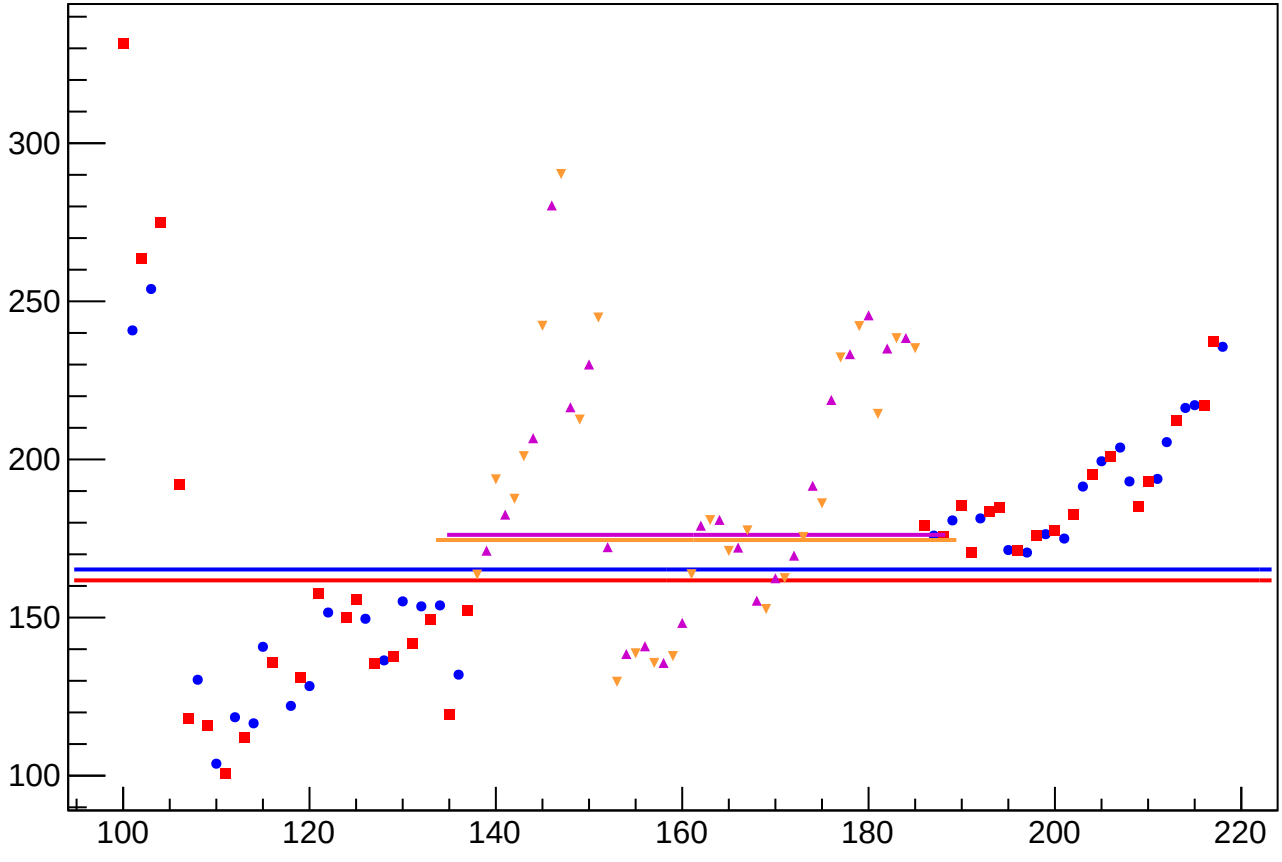
Left In: 7754.468+/-42.571 χ^2/NDF:23278.0/22

+ sign 2567.565+/-27.865 χ^2/NDF: 186025.6/56

All: 1405.870+/-19.707 χ^2/NDF: 415057.0/11

- sign 243.359+/-27.875 χ^2/NDF: 225554.1/58

asym_bpm0i02WS_rms vs Slug



Right In: 165.211+/-0.027 χ^2/NDF: 1817979.8/31

Left Out: 174.520+/-0.029 χ^2/NDF:1659469.6/24

Right Out: 161.760+/-0.026 χ^2/NDF: 2117564.2/35

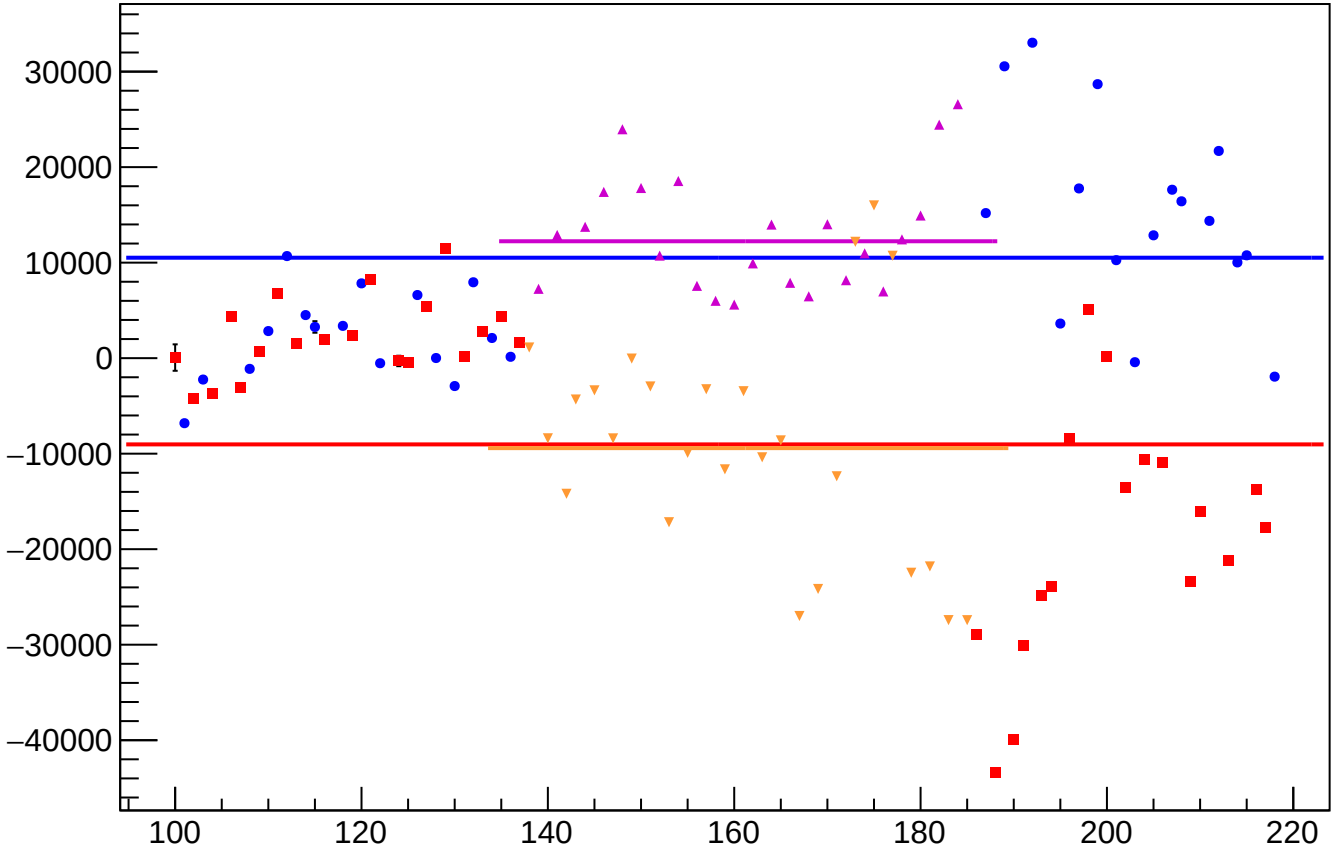
Left In: 176.155+/-0.030 χ^2/NDF:1367059.2/22

+ sign 169.530+/-0.020 χ^2/NDF: 3532970.7/56

All: 168.731+/-0.014 χ^2/NDF: 7151504.5/115

- sign 167.932+/-0.020 χ^2/NDF: 3615245.1/58

asym_bpm0i02aWS_mean vs Slug



Right In: 10516.588+/-41.421 χ^2/NDF: 59301.8/31

Left Out: -9420.181+/-45.698 χ^2/NDF:64719.0/24

Right Out: -9028.540+/-40.318 χ^2/NDF: 119882.2/35

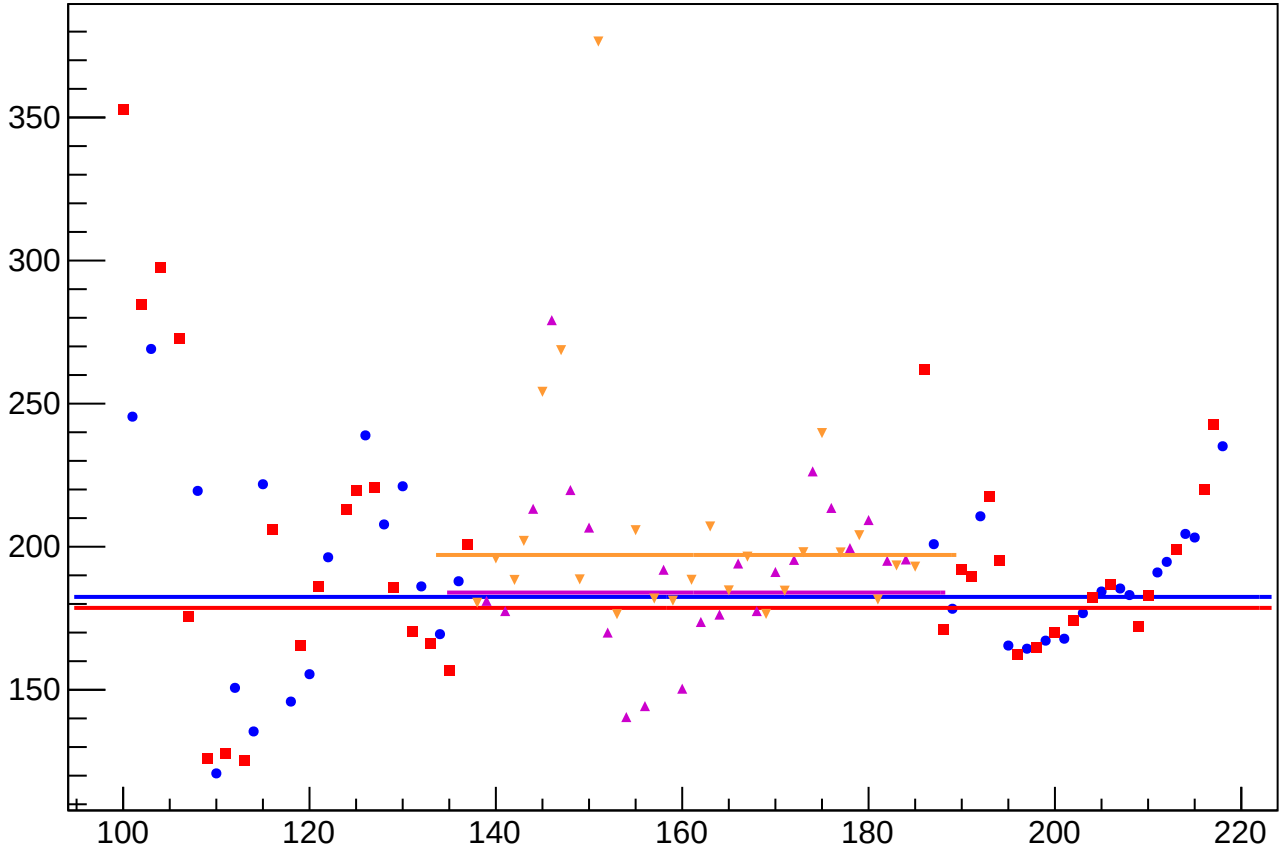
Left In: 12238.678+/-44.195 χ^2/NDF:16015.8/22

+ sign 1524.694+/-30.690 χ^2/NDF: 228510.4/56

All: 1064.749+/-21.374 χ^2/NDF: 491228.0/11

- sign 631.505+/-29.786 χ^2/NDF: 262281.4/58

asym_bpm0i02aWS_rms vs Slug



Right In: 182.461+/-0.029 χ^2/NDF: 924382.2/31

Left Out: 197.122+/-0.032 χ^2/NDF:732529.8/24

Right Out: 178.623+/-0.029 χ^2/NDF: 1419329.2/35

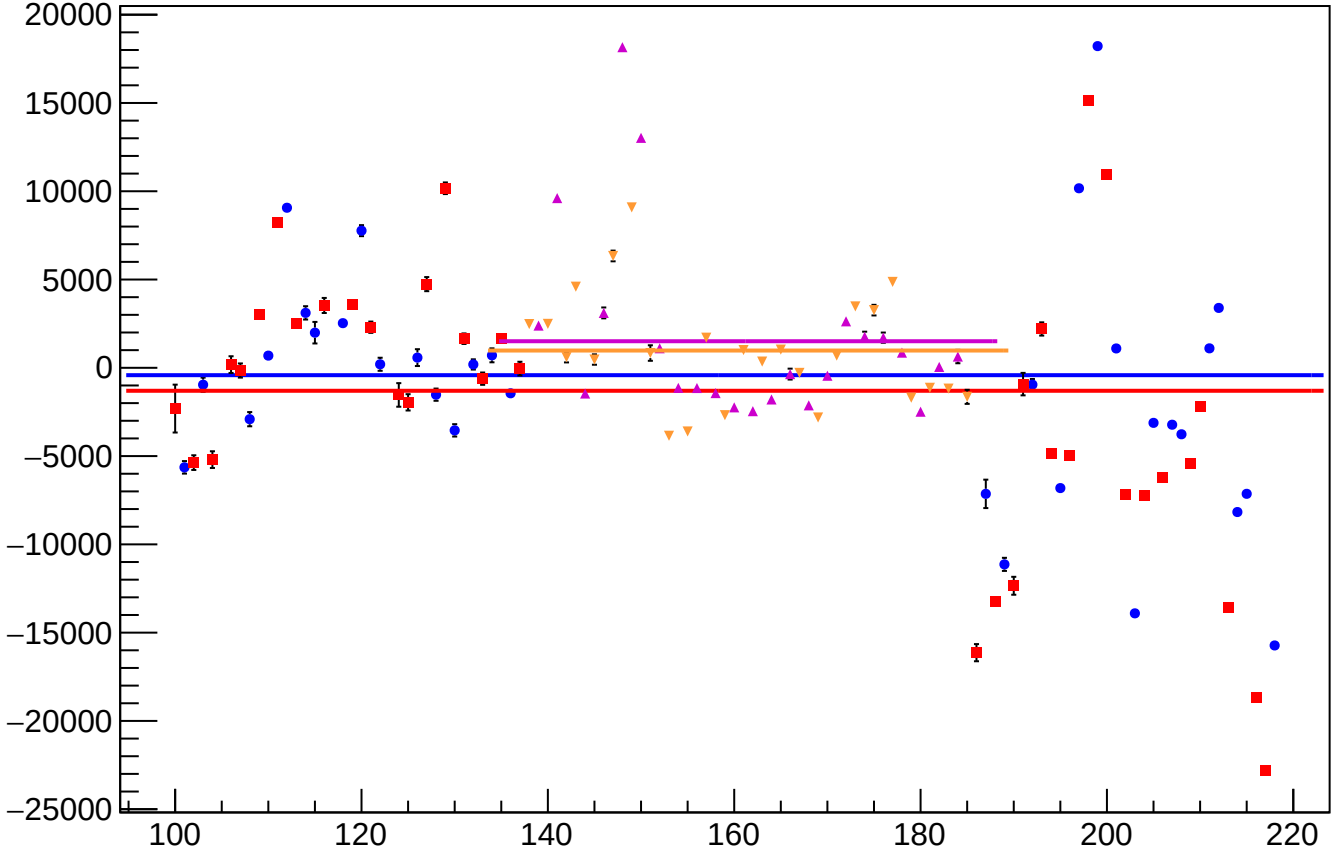
Left In: 183.985+/-0.031 χ^2/NDF:829778.1/22

+ sign 189.073+/-0.022 χ^2/NDF: 1769930.1/56

All: 184.946+/-0.015 χ^2/NDF: 4105350.7/115

- sign 181.059+/-0.021 χ^2/NDF: 2265178.6/58

asym_bpm0i05WS_mean vs Slug



Right In: -417.460+/-46.465 χ^2/NDF: 26985.5/31

Left Out: 978.429+/-49.607 χ^2/NDF:4322.9/24

Right Out: -1300.827+/-45.310 χ^2/NDF: 35397.5/35

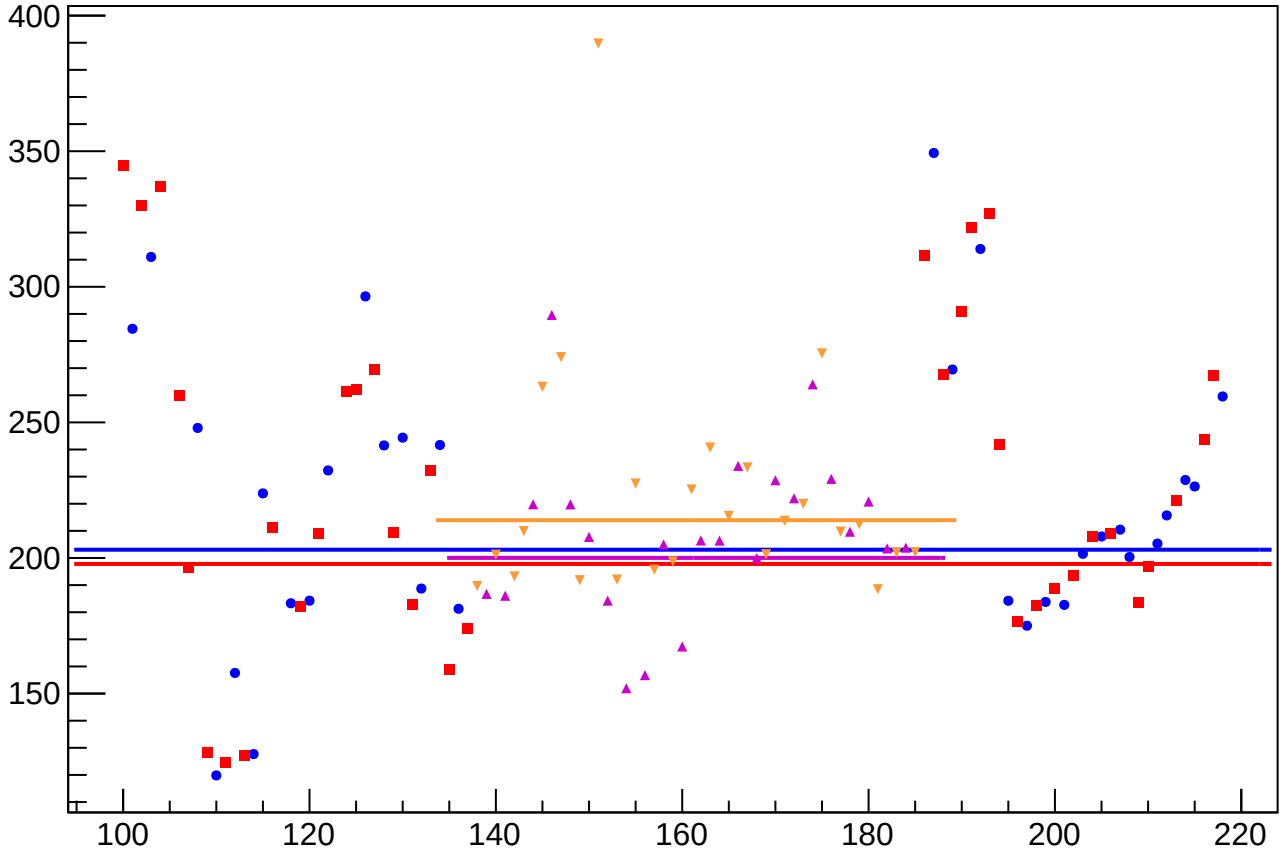
Left In: 1505.093+/-48.051 χ^2/NDF:11480.6/22

+ sign 234.886+/-33.912 χ^2/NDF: 31730.2/56

All: 124.315+/-23.638 χ^2/NDF: 80434.0/115

- sign 19.831+/-32.965 χ^2/NDF: 48683.1/58

asym_bpm0i05WS_rms vs Slug



Right In: 203.056+/-0.033 χ^2/NDF: 1601048.9/31

Left Out: 213.931+/-0.035 χ^2/NDF:733638.6/24

Right Out: 197.800+/-0.032 χ^2/NDF: 2469069.9/35

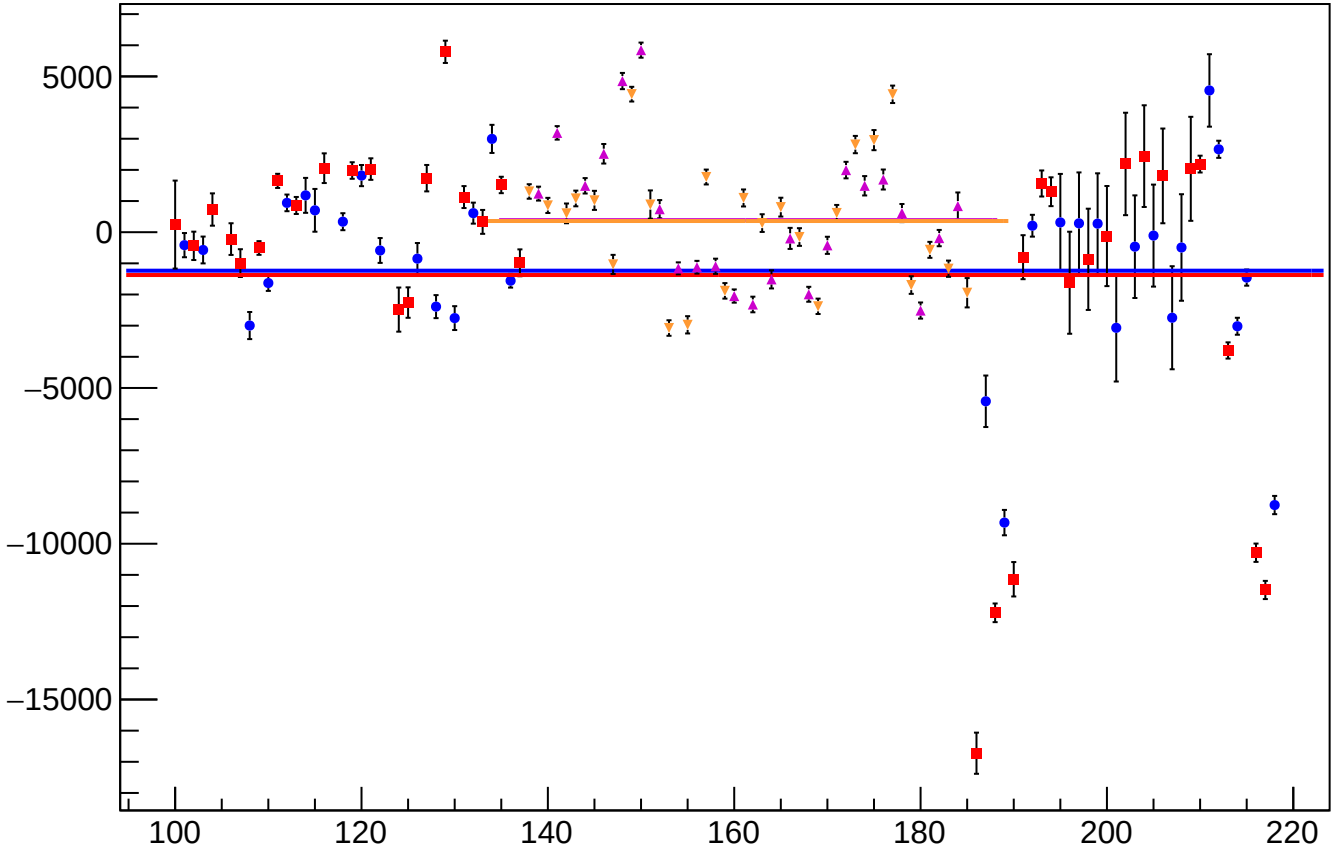
Left In: 200.031+/-0.034 χ^2/NDF:785525.4/22

+ sign 208.138+/-0.024 χ^2/NDF: 2385887.8/56

All: 203.363+/-0.017 χ^2/NDF: 5719903.0/115

- sign 198.850+/-0.023 χ^2/NDF: 3256875.7/58

asym_bpm0i07WS_mean vs Slug



Right In: -1235.447+/-69.731 χ^2/NDF: 1752.5/31

Left Out: 358.680+/-54.992 χ^2/NDF:1418.9/24

Right Out: -1374.849+/-65.072 χ^2/NDF: 5891.5/35

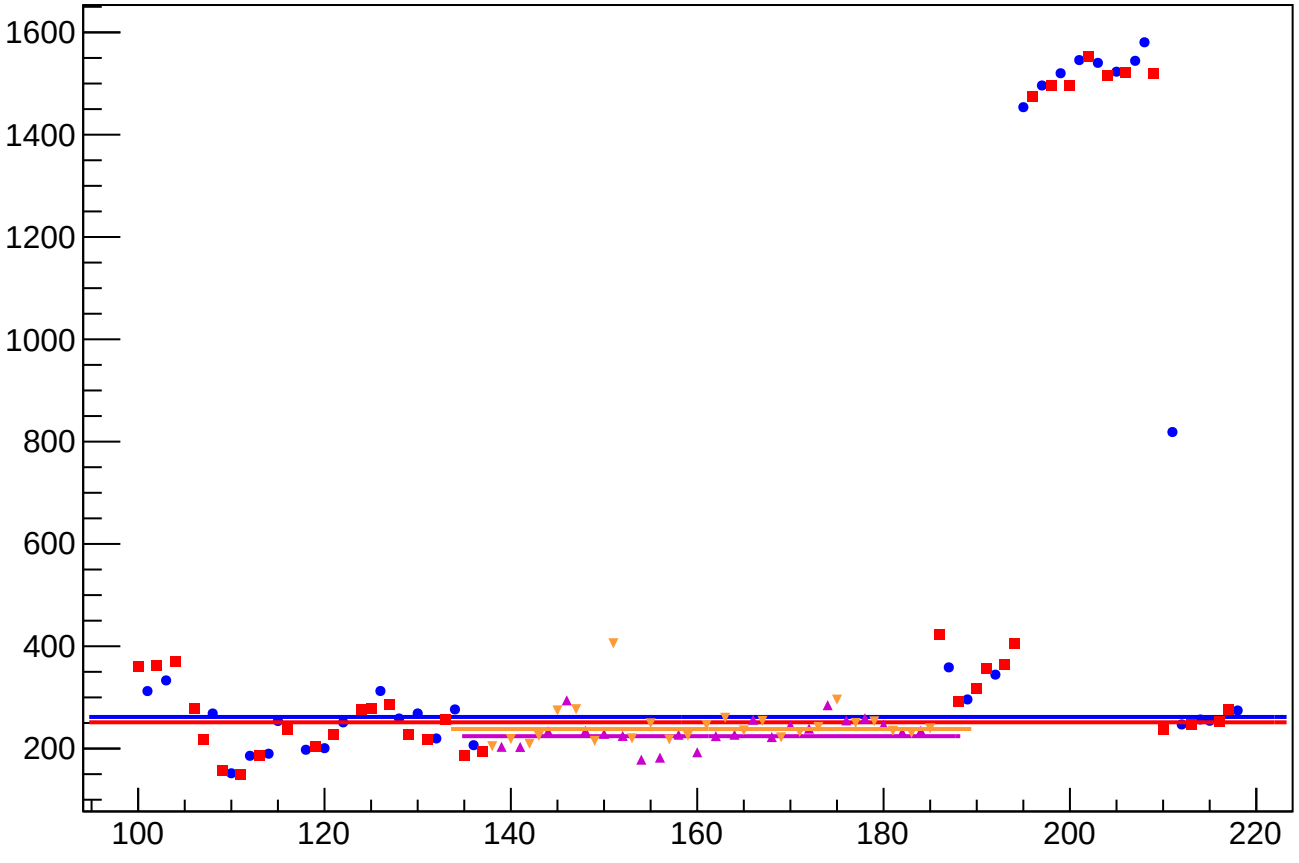
Left In: 386.941+/-53.528 χ^2/NDF:1804.2/22

+ sign -252.592+/-43.180 χ^2/NDF: 3493.6/56

All: -289.896+/-29.861 χ^2/NDF: 11627.8/115

- sign -324.087+/-41.339 χ^2/NDF: 8132.8/58

asym_bpm0i07WS_rms vs Slug



Right In: 261.801+/-0.049 χ^2/NDF: 11065076.7/31

Left Out: 238.199+/-0.039 χ^2/NDF:567935.3/24

Right Out: 251.365+/-0.046 χ^2/NDF: 10545575.5/35

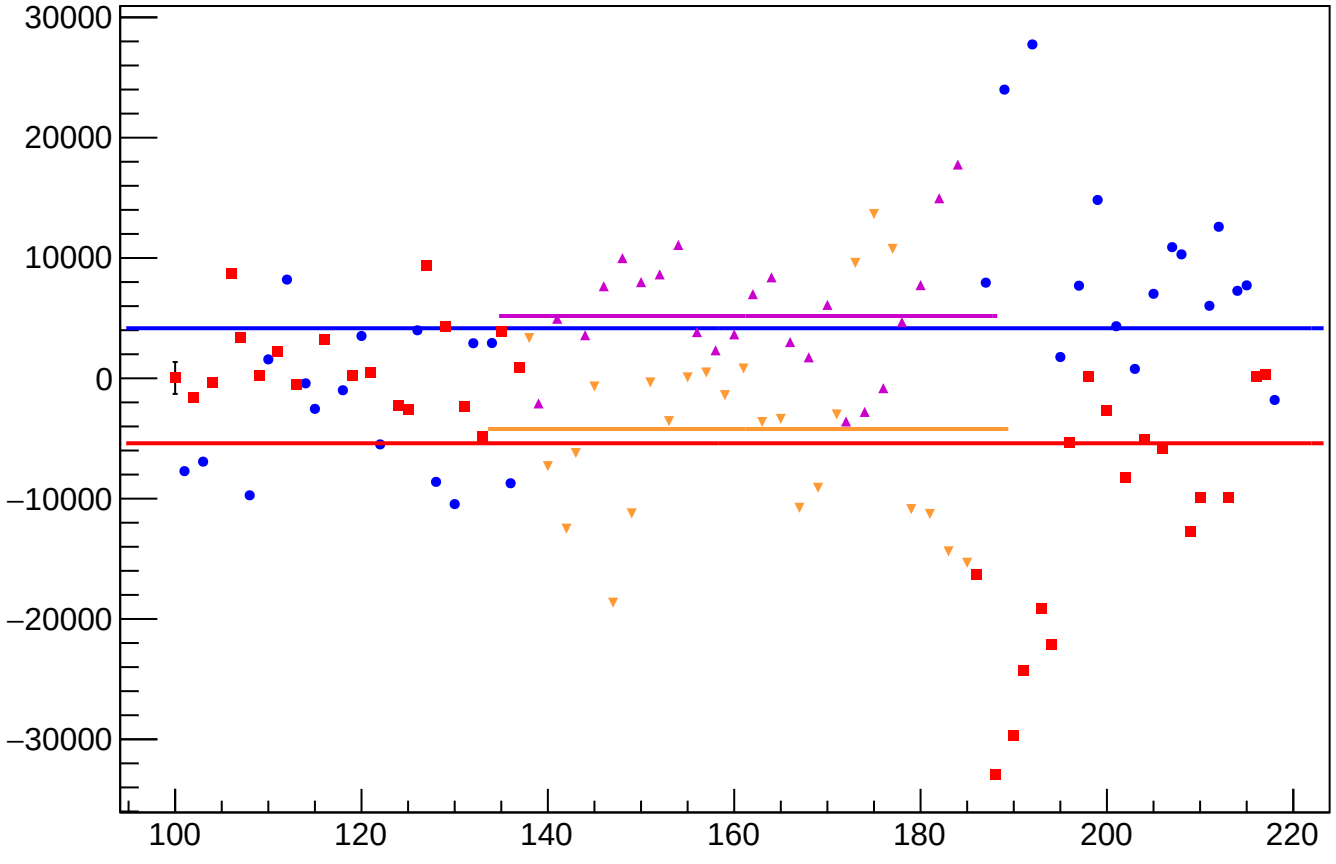
Left In: 224.212+/-0.038 χ^2/NDF:563231.1/22

+ sign 247.249+/-0.031 χ^2/NDF: 11774276.1/56

All: 240.947+/-0.021 χ^2/NDF: 23172443.9/11

- sign 235.171+/-0.029 χ^2/NDF: 11316511.2/58

asym_bpm1i02WS_mean vs Slug



Right In: 4162.195+/-32.329 χ^2/NDF: 82834.5/31

Left Out: -4210.601+/-30.828 χ^2/NDF:56802.7/24

Right Out: -5397.716+/-31.158 χ^2/NDF: 107251.7/35

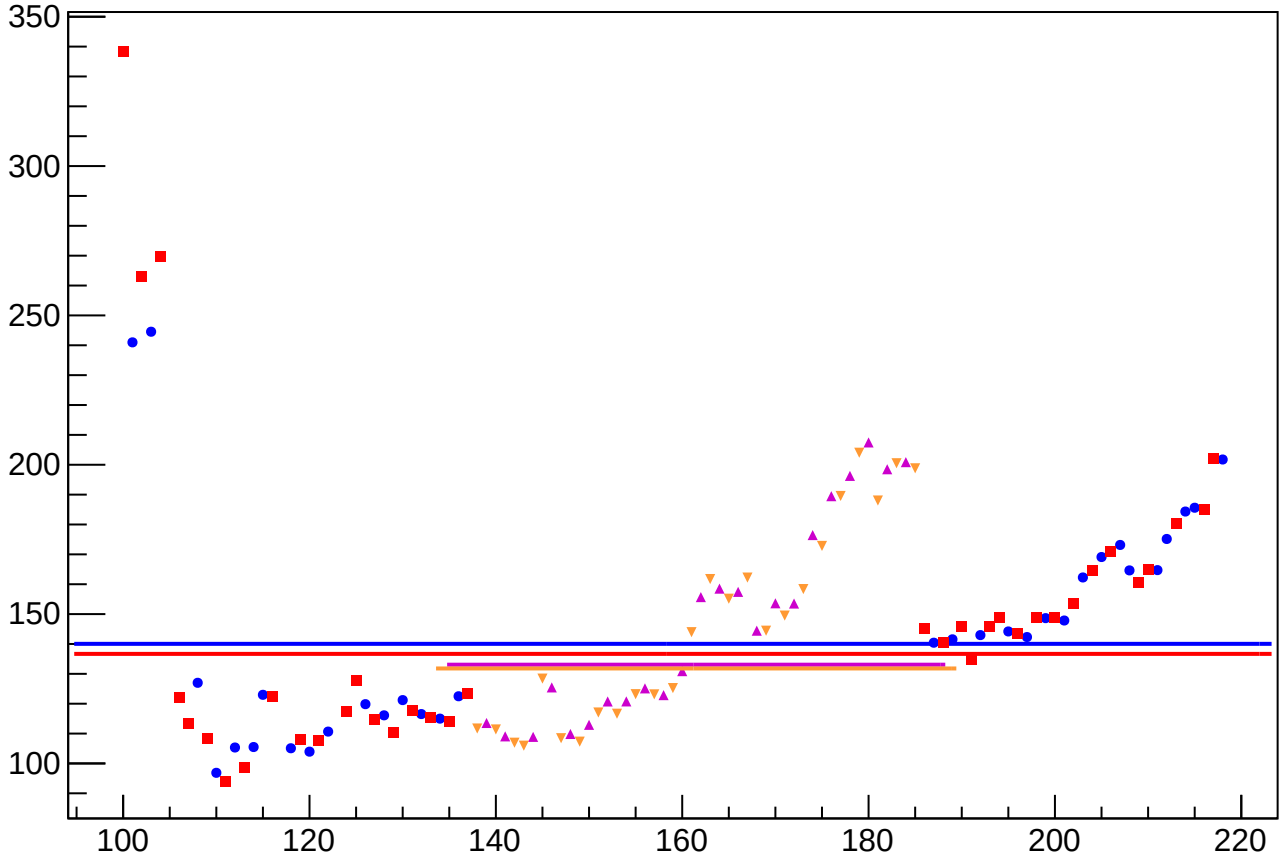
Left In: 5178.213+/-31.969 χ^2/NDF:18541.3/22

+ sign -223.071+/-22.311 χ^2/NDF: 174767.0/56

All: -234.402+/-15.777 χ^2/NDF: 356686.9/11

- sign -245.735+/-22.313 χ^2/NDF: 181919.4/58

asym_bpm1i02WS_rms vs Slug



Right In: 140.042+/-0.023 χ^2/NDF: 1834750.7/31

Left Out: 131.798+/-0.022 χ^2/NDF:1544340.3/24

Right Out: 136.679+/-0.022 χ^2/NDF: 1985478.4/35

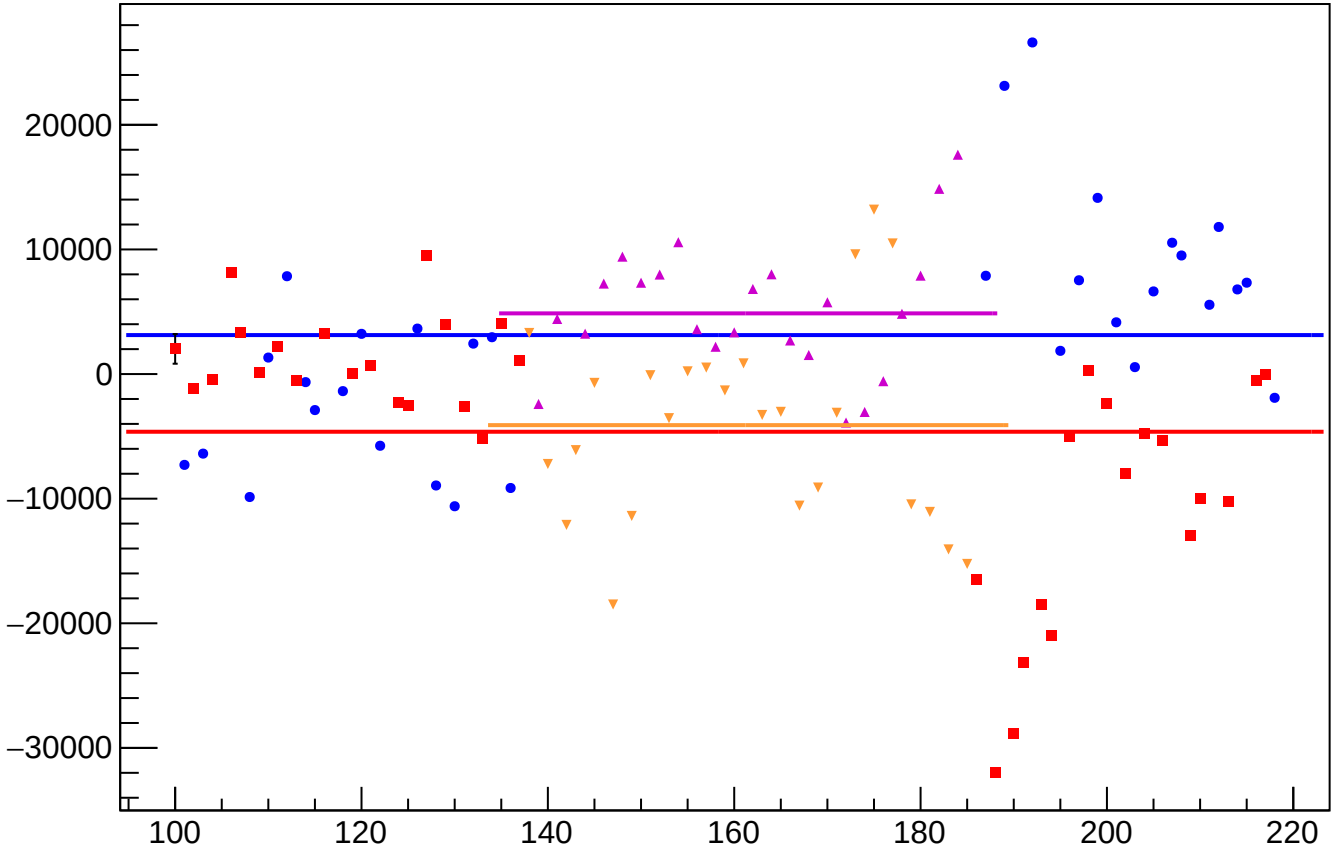
Left In: 133.061+/-0.023 χ^2/NDF:1418252.2/22

+ sign 135.724+/-0.016 χ^2/NDF: 3447216.9/56

All: 135.320+/-0.011 χ^2/NDF: 6865393.9/115

- sign 134.917+/-0.016 χ^2/NDF: 3416867.9/58

asym_bpm2i01WS_mean vs Slug



Right In: 3127.830+/-29.780 χ^2/NDF: 91078.3/31

Left Out: -4098.897+/-27.771 χ^2/NDF:66271.3/24

Right Out: -4629.184+/-28.807 χ^2/NDF: 113979.0/35

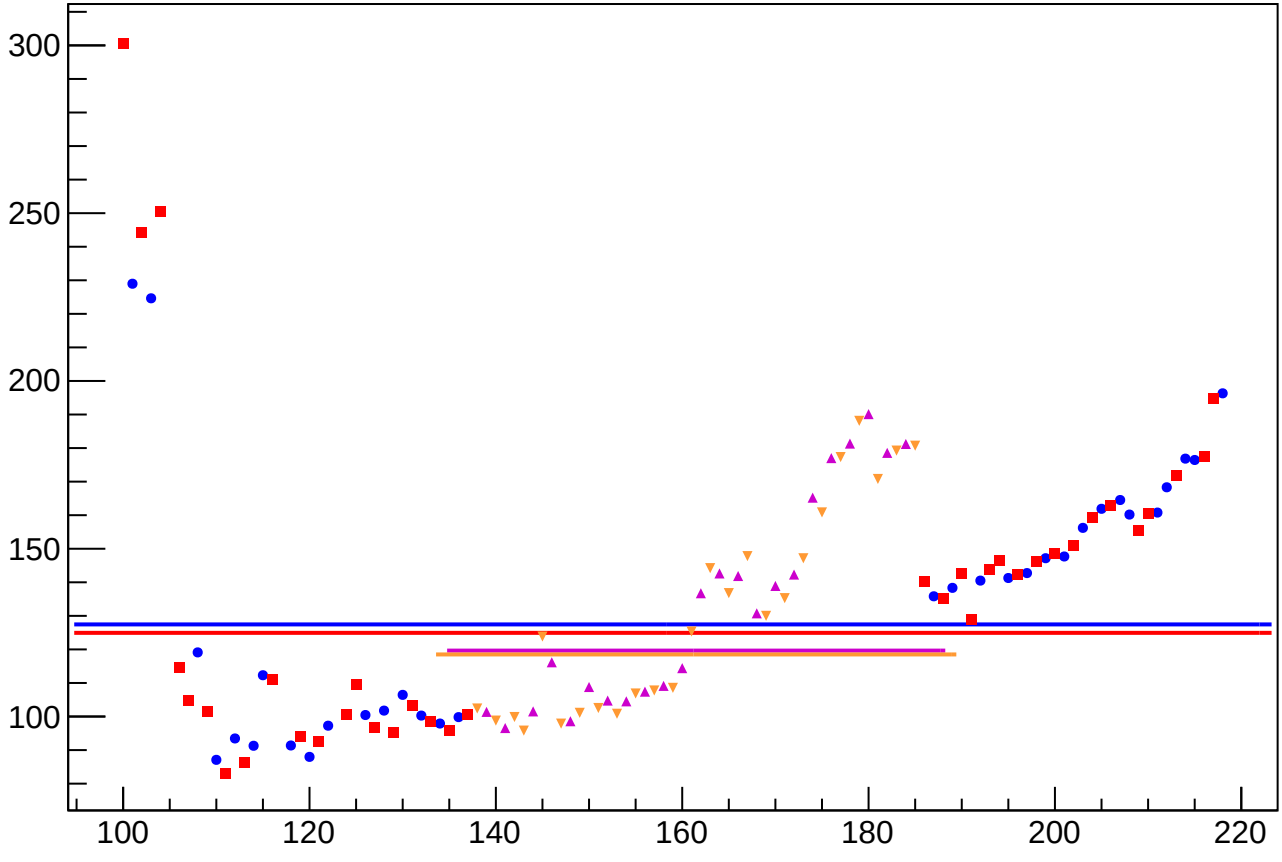
Left In: 4869.740+/-28.809 χ^2/NDF:21913.6/22

+ sign -737.412+/-20.310 χ^2/NDF: 188847.2/56

All: -310.016+/-14.383 χ^2/NDF: 379990.9/11

- sign 119.901+/-20.370 χ^2/NDF: 190255.5/58

asym_bpm2i01WS_rms vs Slug



Right In: 127.450+/-0.021 χ^2/NDF: 2647626.1/31

Left Out: 118.502+/-0.020 χ^2/NDF:1627138.9/24

Right Out: 124.936+/-0.020 χ^2/NDF: 2748429.1/35

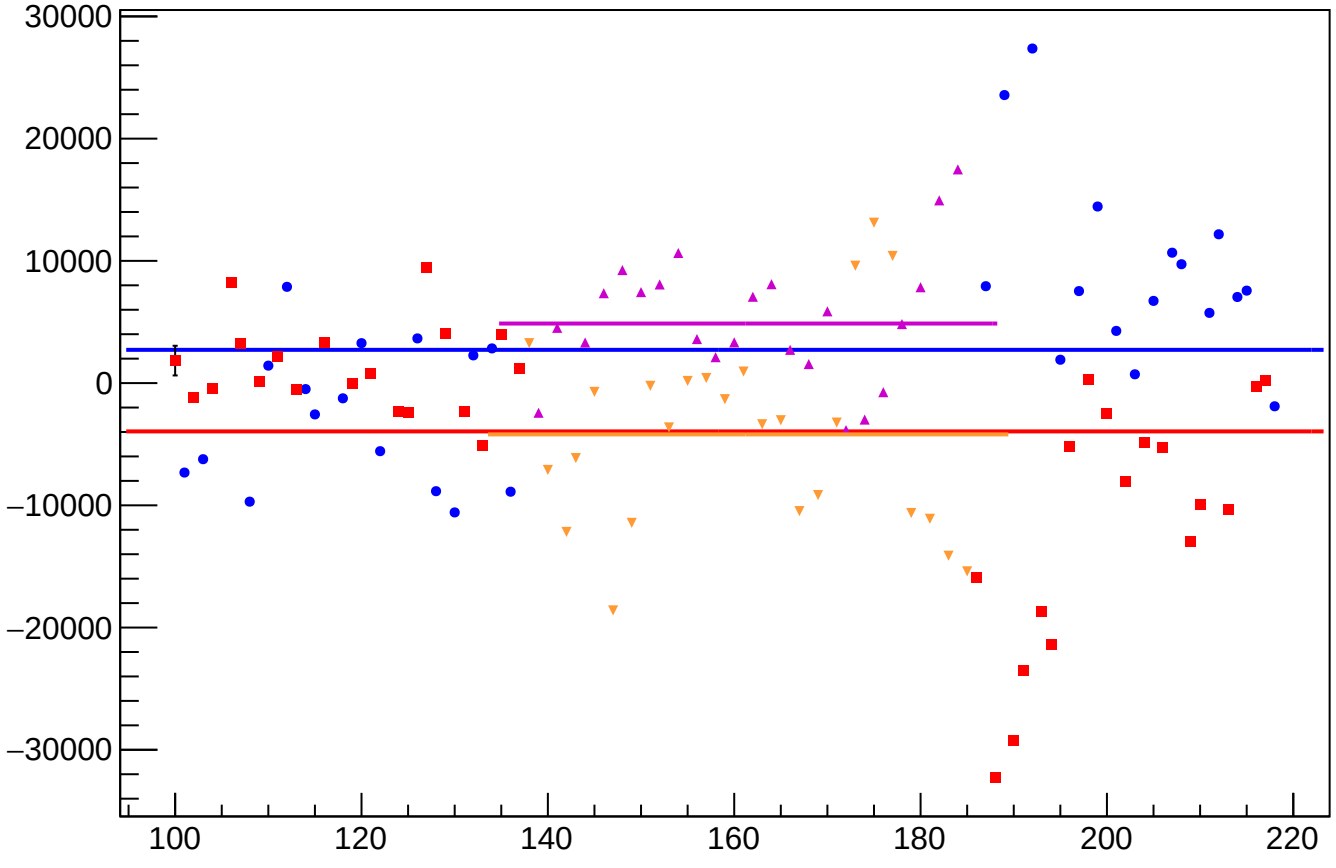
Left In: 119.645+/-0.020 χ^2/NDF:1512380.5/22

+ sign 122.664+/-0.014 χ^2/NDF: 4371351.5/56

All: 122.478+/-0.010 χ^2/NDF: 8666233.3/115

- sign 122.291+/-0.014 χ^2/NDF: 4294544.9/58

asym_bpm2i02WS_mean vs Slug



Right In: 2721.283+/-29.715 χ^2/NDF: 90248.7/31

Left Out: -4197.414+/-27.211 χ^2/NDF:70415.4/24

Right Out: -3951.505+/-28.690 χ^2/NDF: 107524.0/35

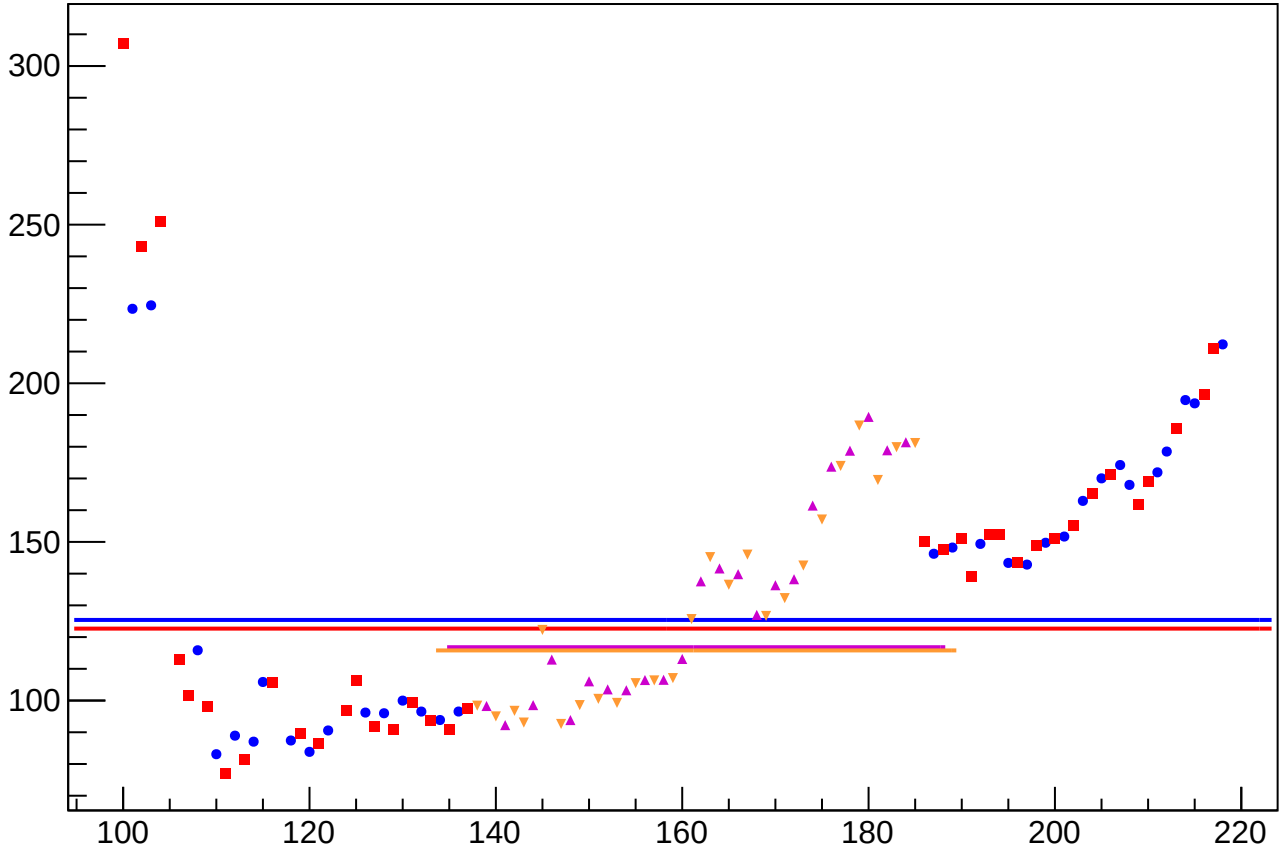
Left In: 4873.124+/-28.200 χ^2/NDF:22923.8/22

+ sign -1041.852+/-20.068 χ^2/NDF: 190150.5/56

All: -254.283+/-14.206 χ^2/NDF: 371804.8/11

- sign 536.702+/-20.111 χ^2/NDF: 178567.2/58

asym_bpm2i02WS_rms vs Slug



Right In: 125.408+/-0.021 χ^2/NDF: 3558056.9/31

Left Out: 115.798+/-0.019 χ^2/NDF:1749021.2/24

Right Out: 122.673+/-0.020 χ^2/NDF: 3709434.6/35

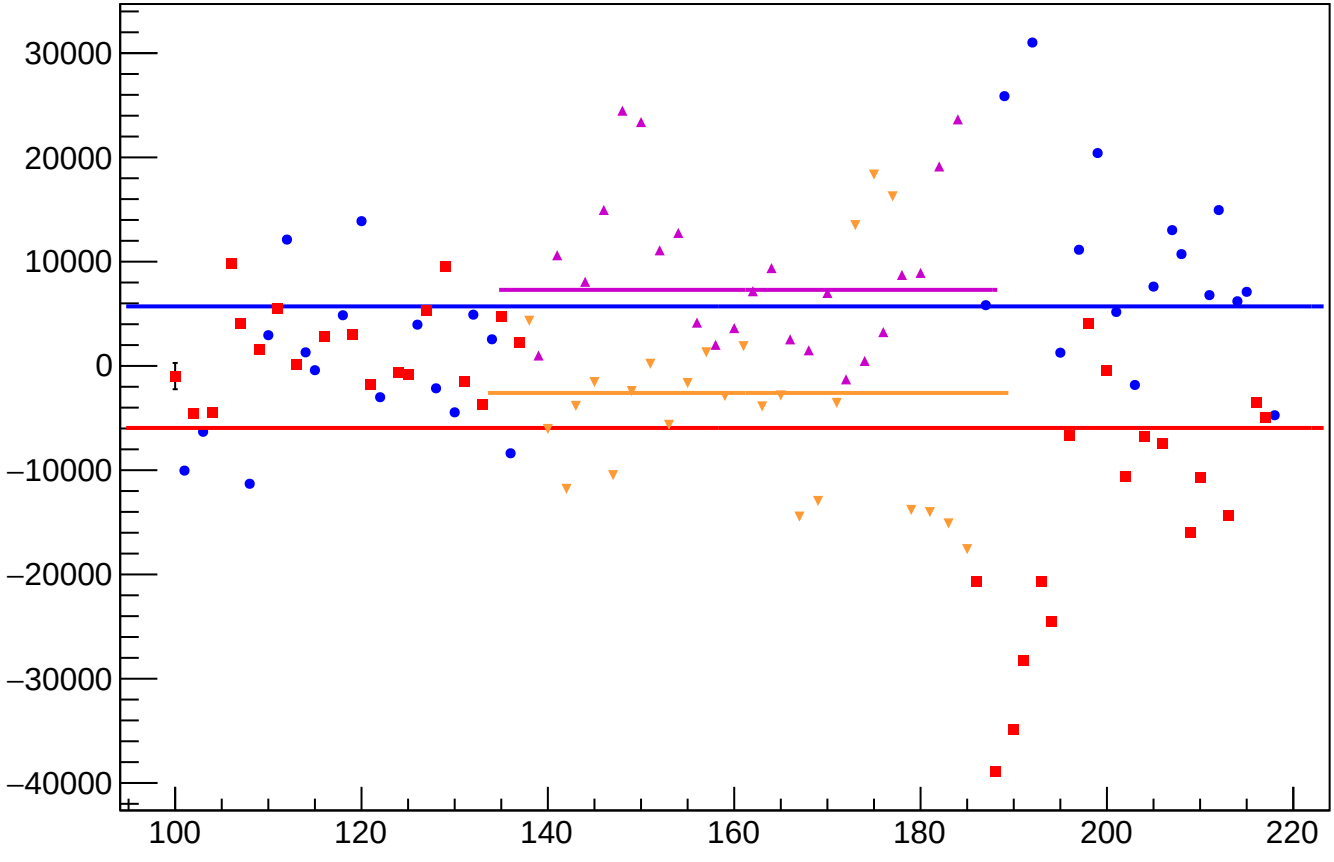
Left In: 116.808+/-0.020 χ^2/NDF:1617645.9/22

+ sign 120.181+/-0.014 χ^2/NDF: 5420843.1/56

All: 119.936+/-0.010 χ^2/NDF: 10791022.1/11

- sign 119.690+/-0.014 χ^2/NDF: 5369582.8/58

asym_bpm0i01WS_mean vs Slug



Right In: 5709.562+/-38.741 χ^2/NDF: 67603.3/31

Left Out: -2591.379+/-37.643 χ^2/NDF:47994.7/24

Right Out: -5948.666+/-37.667 χ^2/NDF: 101582.4/35

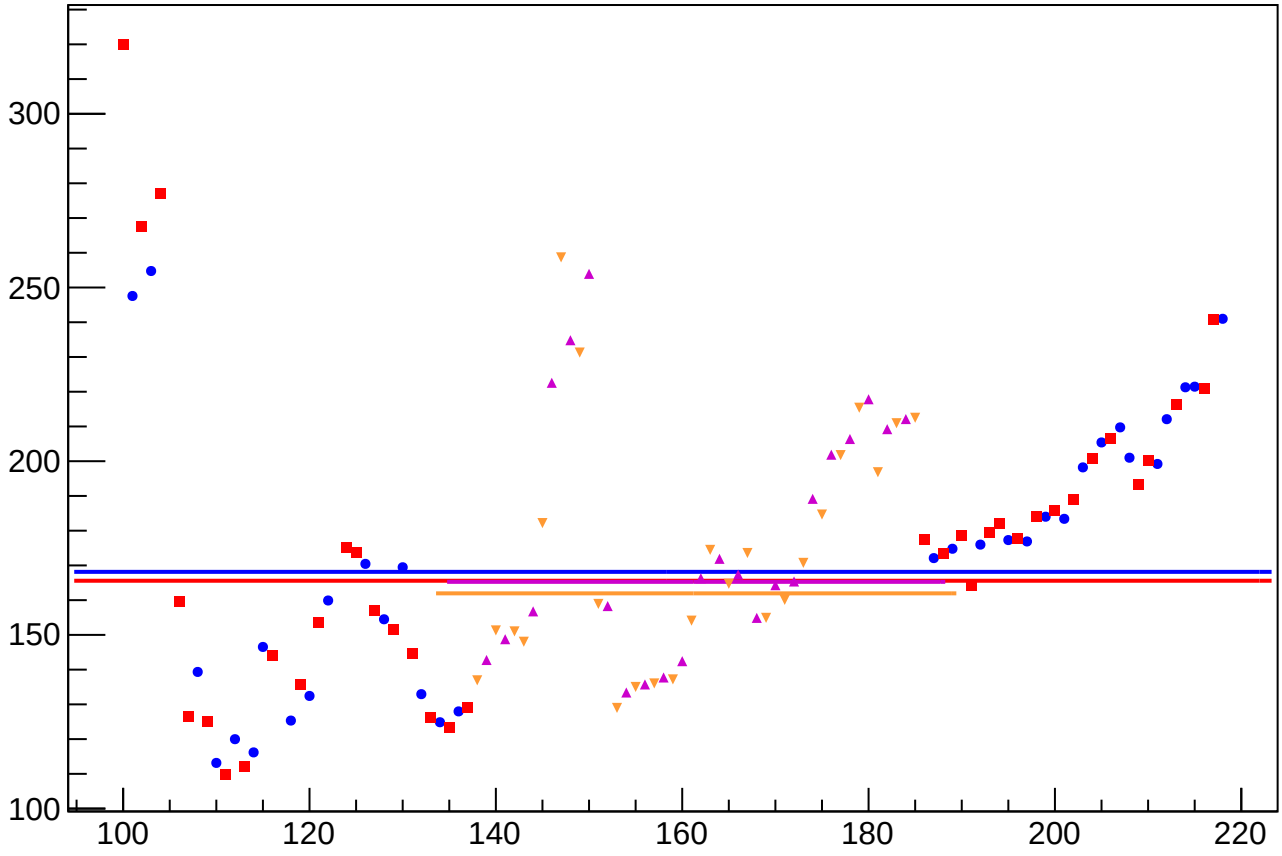
Left In: 7296.193+/-39.576 χ^2/NDF:24743.4/22

+ sign 1439.818+/-26.998 χ^2/NDF: 139213.0/56

All: 899.057+/-19.191 χ^2/NDF: 325117.9/115

- sign 346.739+/-27.285 χ^2/NDF: 185093.9/58

asym_bpm0i01WS_rms vs Slug



Right In: 168.147+/-0.027 χ^2/NDF: 1906139.1/31

Left Out: 161.957+/-0.027 χ^2/NDF:1144808.3/24

Right Out: 165.589+/-0.027 χ^2/NDF: 1973597.6/35

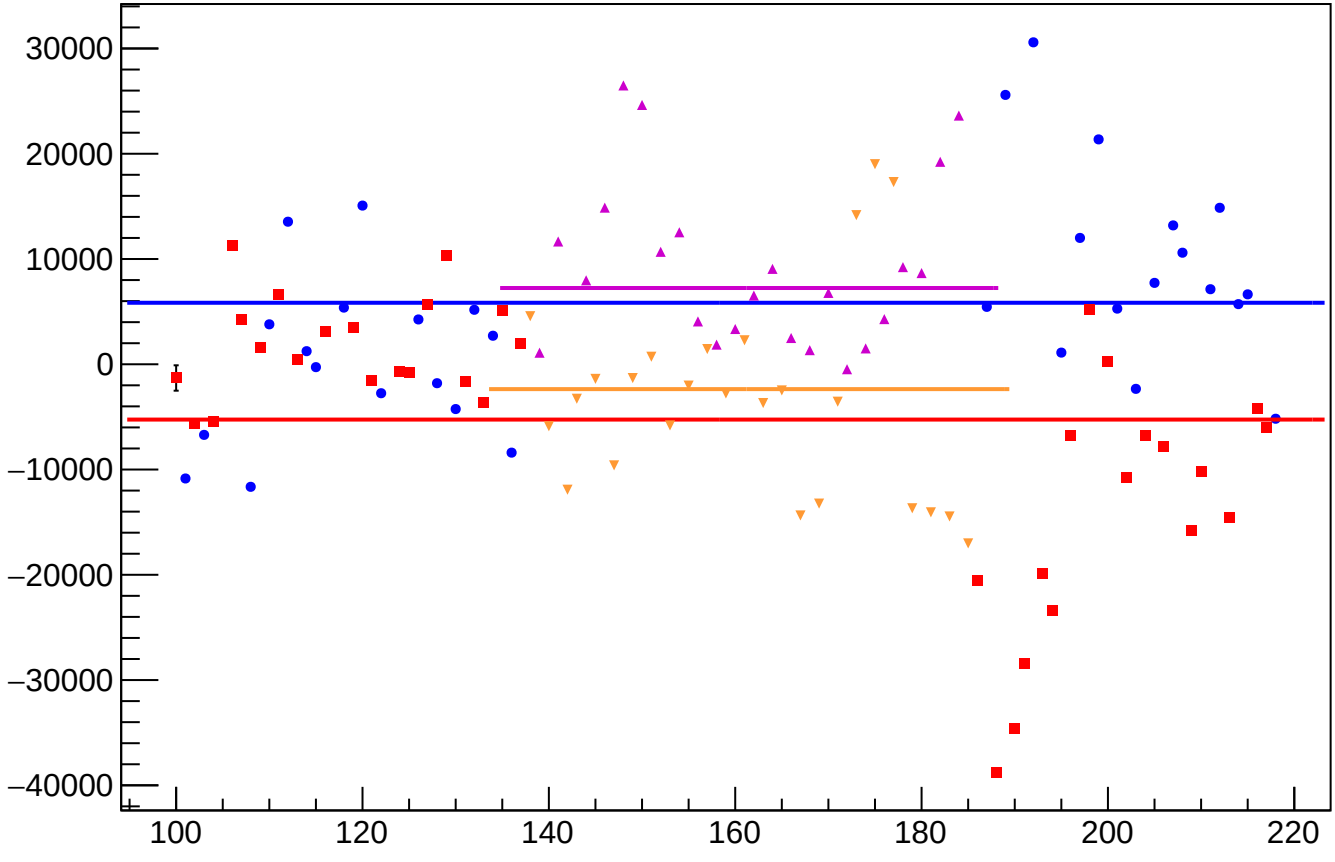
Left In: 165.273+/-0.028 χ^2/NDF:1179090.6/22

+ sign 164.963+/-0.019 χ^2/NDF: 3077211.0/56

All: 165.198+/-0.014 χ^2/NDF: 6230273.4/115

- sign 165.439+/-0.019 χ^2/NDF: 3152755.4/58

asym_bpm0i01aWS_mean vs Slug



Right In: 5842.817+/-33.076 χ^2/NDF: 93984.1/31

Left Out: -2360.753+/-33.680 χ^2/NDF:58566.4/24

Right Out: -5254.047+/-31.963 χ^2/NDF: 141560.0/35

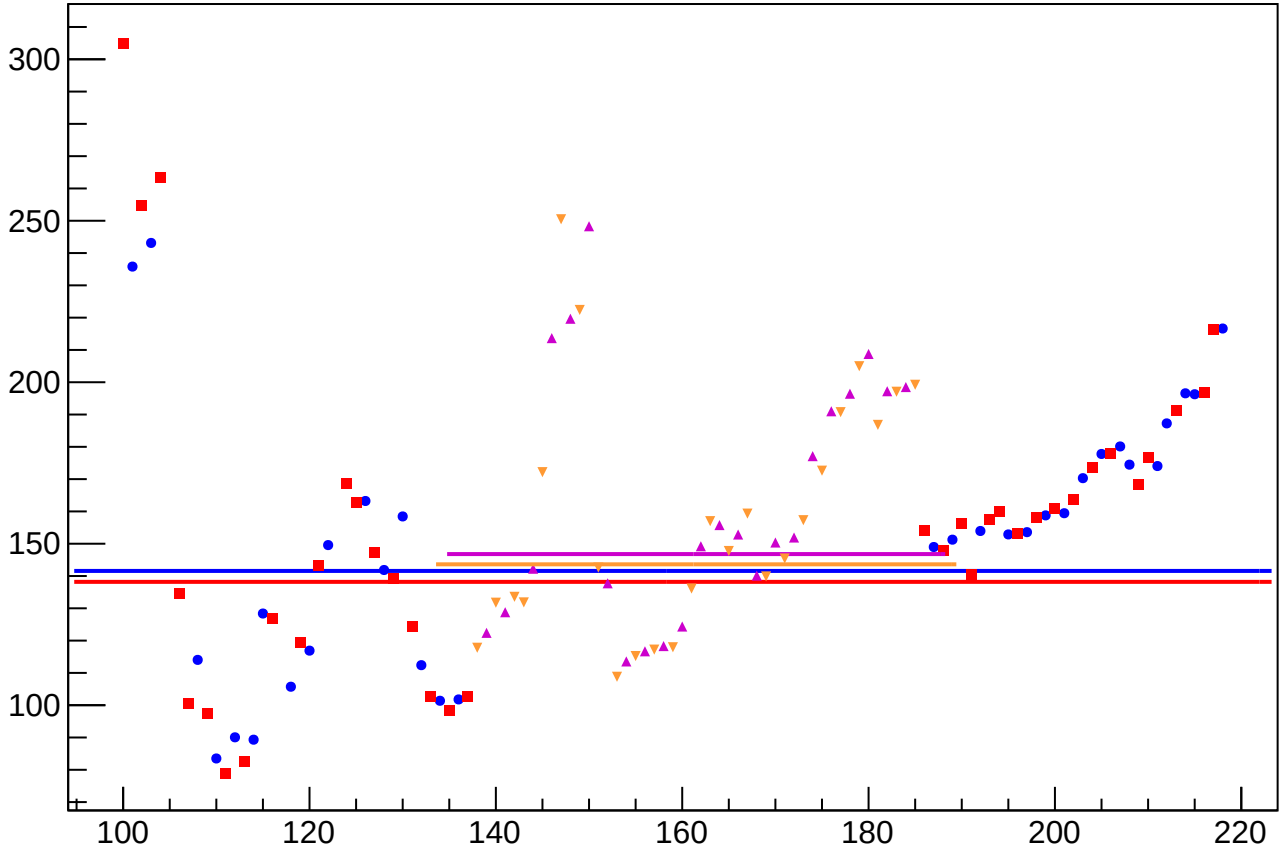
Left In: 7244.763+/-35.507 χ^2/NDF:30447.9/22

+ sign 1815.277+/-23.599 χ^2/NDF: 182751.3/56

All: 1082.796+/-16.742 χ^2/NDF: 425145.1/11

- sign 340.556+/-23.756 χ^2/NDF: 240454.2/58

asym_bpm0i01aWS_rms vs Slug



Right In: 141.576+/-0.023 χ^2/NDF: 2763464.1/31

Left Out: 143.622+/-0.024 χ^2/NDF:1662825.4/24

Right Out: 138.192+/-0.023 χ^2/NDF: 3024581.1/35

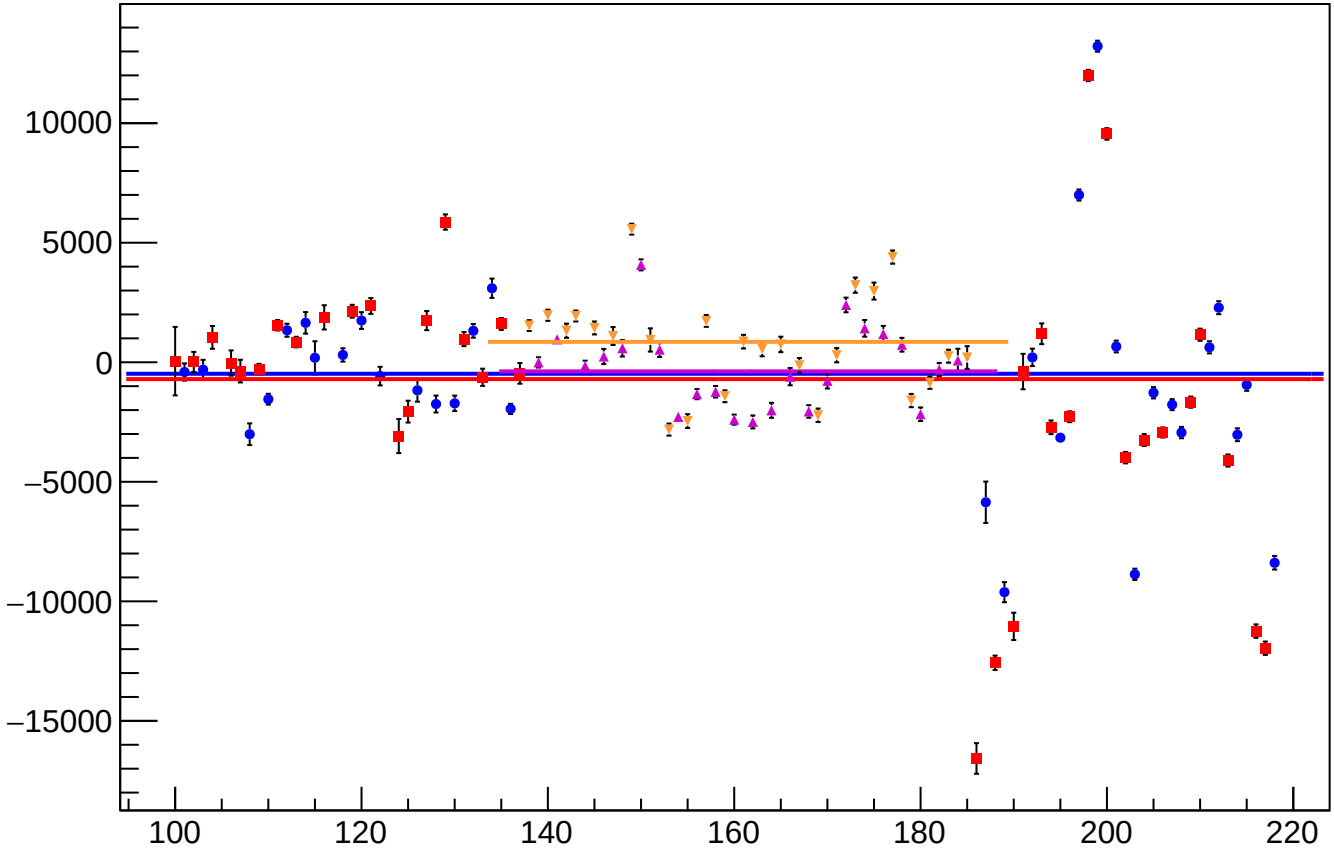
Left In: 146.793+/-0.025 χ^2/NDF:1694524.1/22

+ sign 142.580+/-0.017 χ^2/NDF: 4430049.1/56

All: 142.313+/-0.012 χ^2/NDF: 9214506.5/115

- sign 142.042+/-0.017 χ^2/NDF: 4783940.1/58

asym_bpm0l01WS_mean vs Slug



Right In: -481.393+/-51.119 χ^2/NDF: 8014.3/31

Left Out: 853.916+/-56.237 χ^2/NDF:1443.8/24

Right Out: -705.391+/-50.464 χ^2/NDF: 11993.7/35

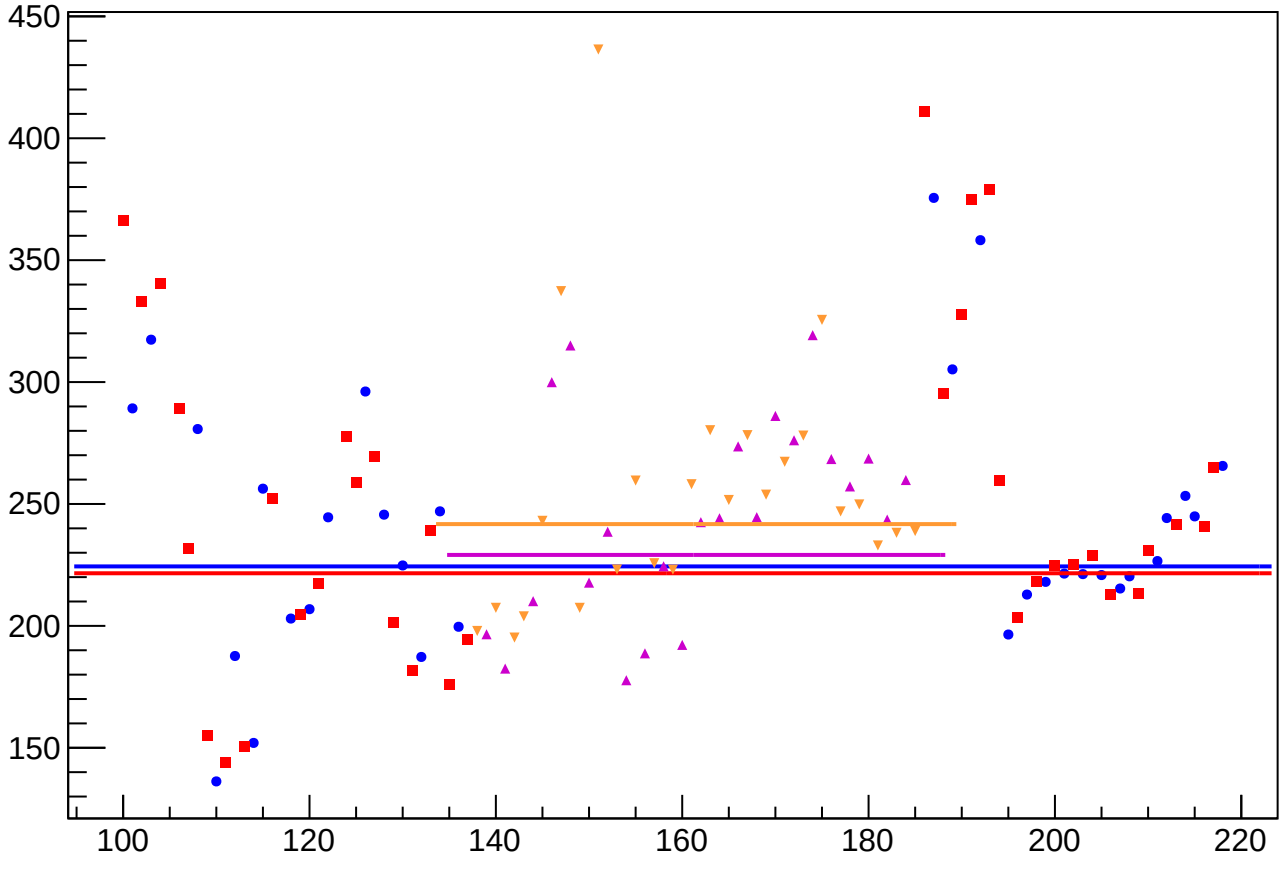
Left In: -380.865+/-55.135 χ^2/NDF:982.4/22

+ sign 122.753+/-37.827 χ^2/NDF: 9766.9/56

All: -222.799+/-26.532 χ^2/NDF: 22926.1/115

- sign -557.455+/-37.226 χ^2/NDF: 12995.0/58

asym_bpm0l01WS_rms vs Slug



Right In: 224.393+/-0.036 χ^2/NDF: 1276958.3/31

Left Out: 241.746+/-0.040 χ^2/NDF:986390.8/24

Right Out: 221.580+/-0.036 χ^2/NDF: 1992083.3/35

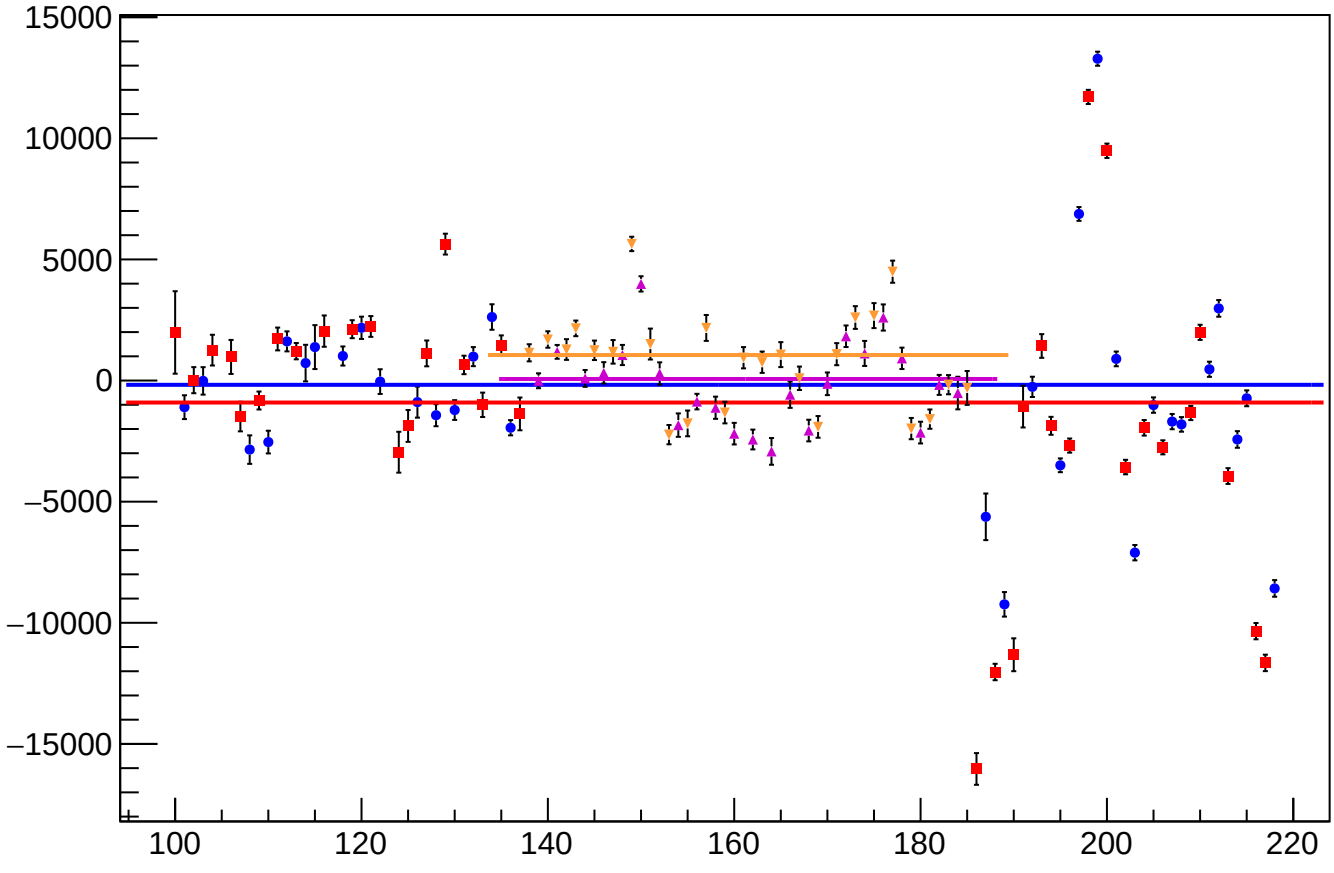
Left In: 229.103+/-0.039 χ^2/NDF:1068960.6/22

+ sign 232.244+/-0.027 χ^2/NDF: 2367626.1/56

All: 228.569+/-0.019 χ^2/NDF: 5486092.8/115

- sign 225.010+/-0.026 χ^2/NDF: 3081305.6/58

asym_bpm0l02WS_mean vs Slug



Right In: -176.527+/-68.060 χ^2/NDF: 4727.9/31

Left Out: 1053.354+/-85.895 χ^2/NDF:614.6/24

Right Out: -907.118+/-67.350 χ^2/NDF: 7624.2/35

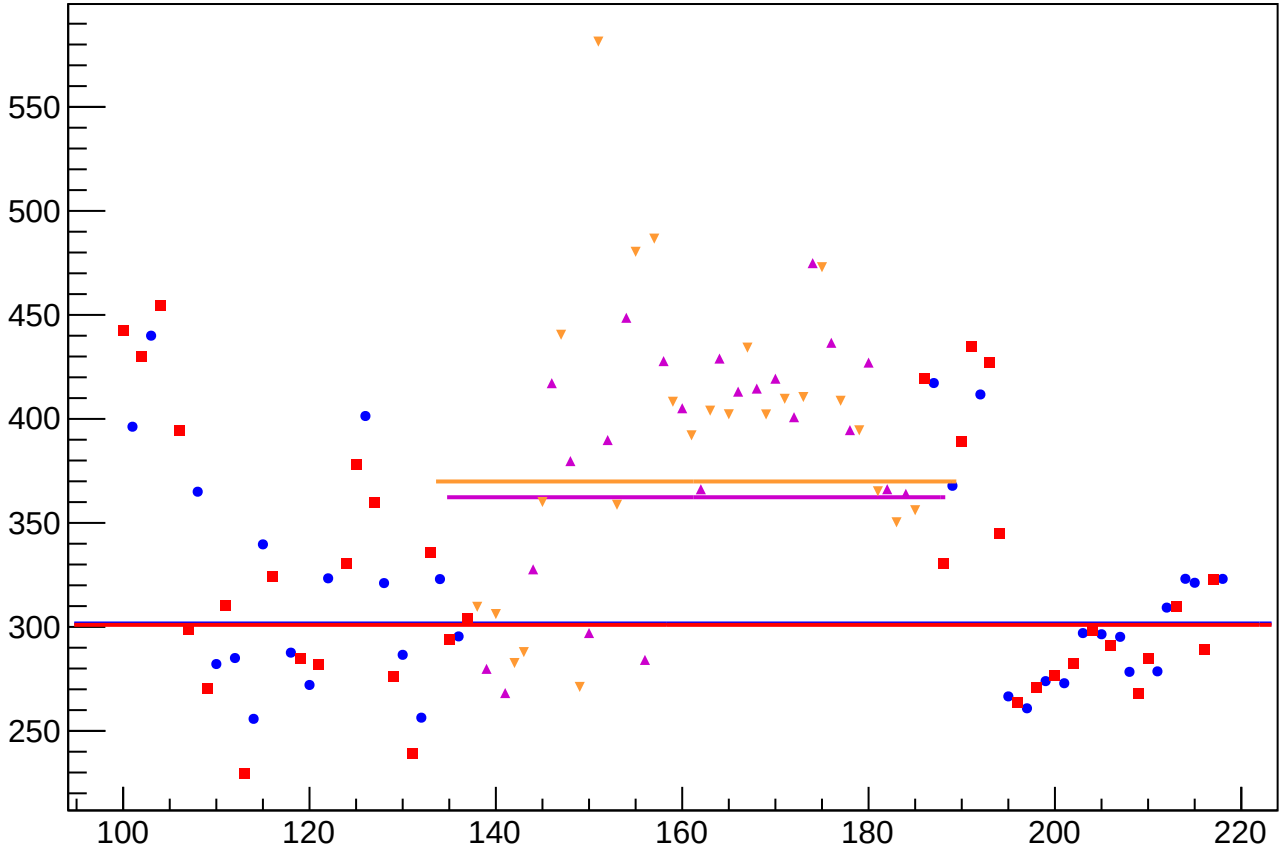
Left In: 64.646+/-86.660 χ^2/NDF:394.4/22

+ sign 297.822+/-53.344 χ^2/NDF: 5468.4/56

All: -122.987+/-37.661 χ^2/NDF: 13689.6/115

- sign -541.186+/-53.179 χ^2/NDF: 8097.1/58

asym_bpm0l02WS_rms vs Slug



Right In: 301.647+/-0.048 χ^2/NDF: 690747.0/31

Left Out: 369.923+/-0.061 χ^2/NDF:1230300.9/24

Right Out: 300.997+/-0.048 χ^2/NDF: 965233.3/35

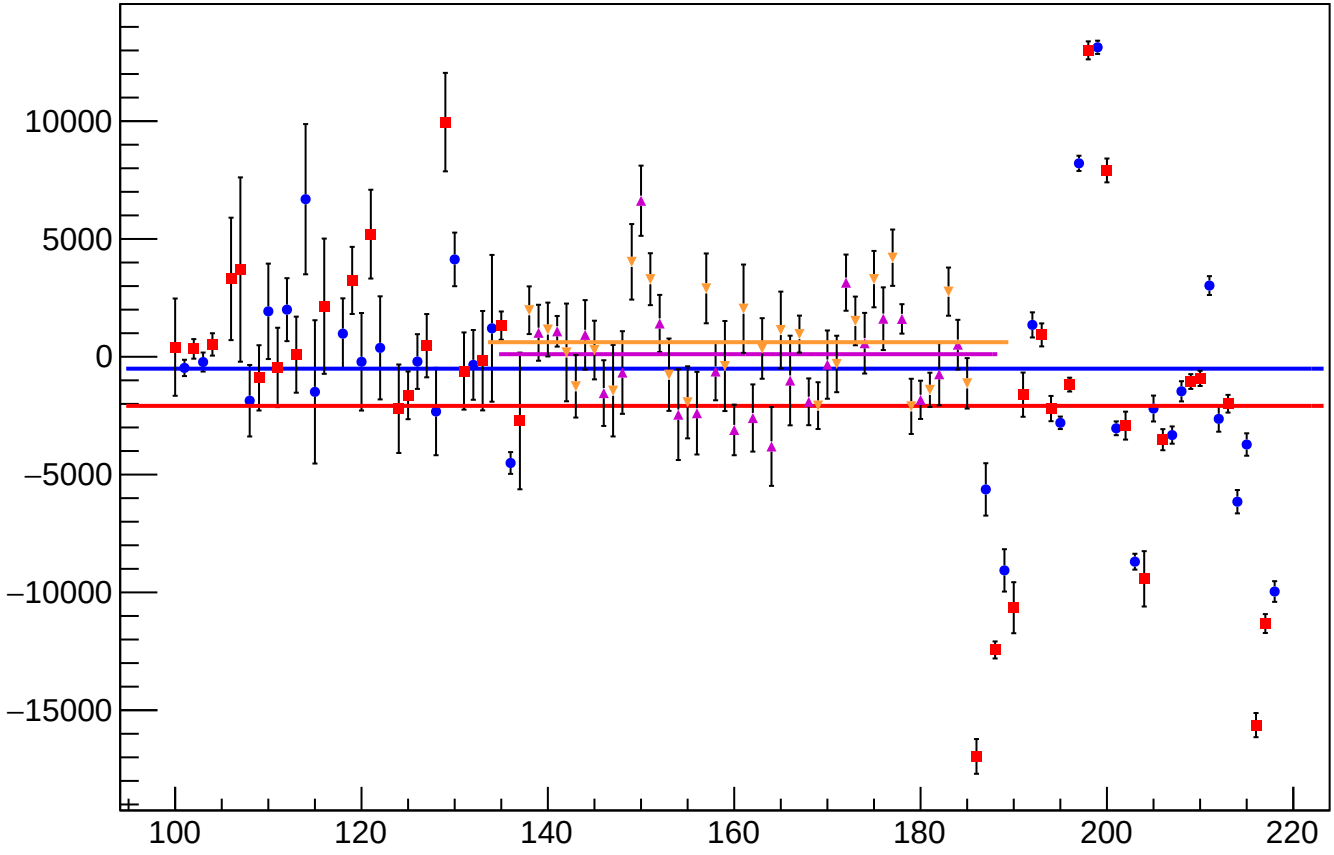
Left In: 362.341+/-0.061 χ^2/NDF:1053395.6/22

+ sign 327.980+/-0.038 χ^2/NDF: 2697339.4/56

All: 326.033+/-0.027 χ^2/NDF: 5346063.1/115

- sign 324.097+/-0.038 χ^2/NDF: 2643408.4/58

asym_bpm0l03WS_mean vs Slug



Right In: -505.141+/-89.146 χ^2/NDF: 4859.1/31

Left Out: 618.538+/-238.150 χ^2/NDF:65.7/24

Right Out: -2083.939+/-97.416 χ^2/NDF: 4768.8/35

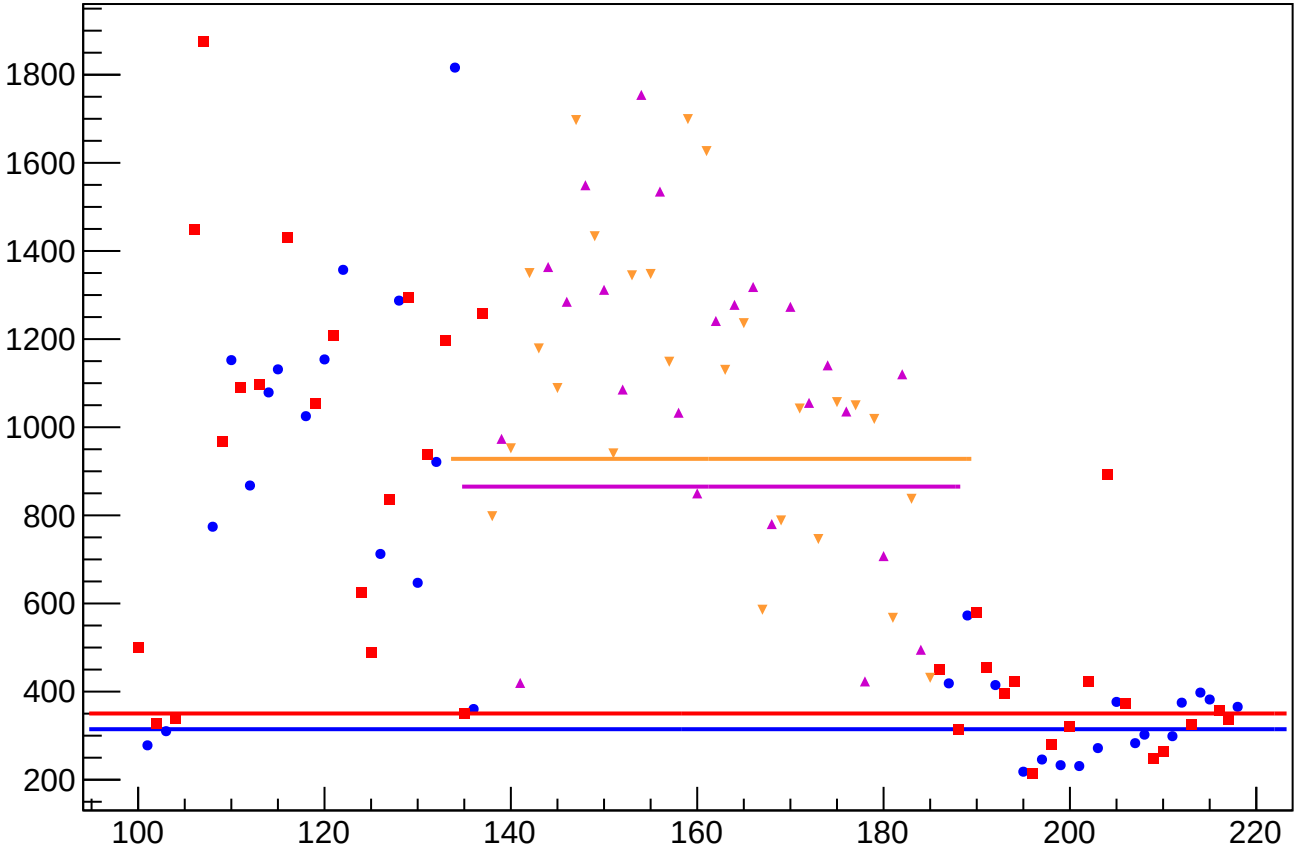
Left In: 109.519+/-237.827 χ^2/NDF:71.7/22

+ sign -367.041+/-83.488 χ^2/NDF: 4944.3/56

All: -1014.250+/-61.254 χ^2/NDF: 9987.8/115

- sign -1768.800+/-90.146 χ^2/NDF: 4913.3/58

asym_bpm0l03WS_rms vs Slug



Right In: 314.675+/-0.063 χ^2/NDF: 5322760.6/31

Left Out: 928.240+/-0.168 χ^2/NDF:3294716.2/24

Right Out: 350.332+/-0.069 χ^2/NDF: 6163179.0/35

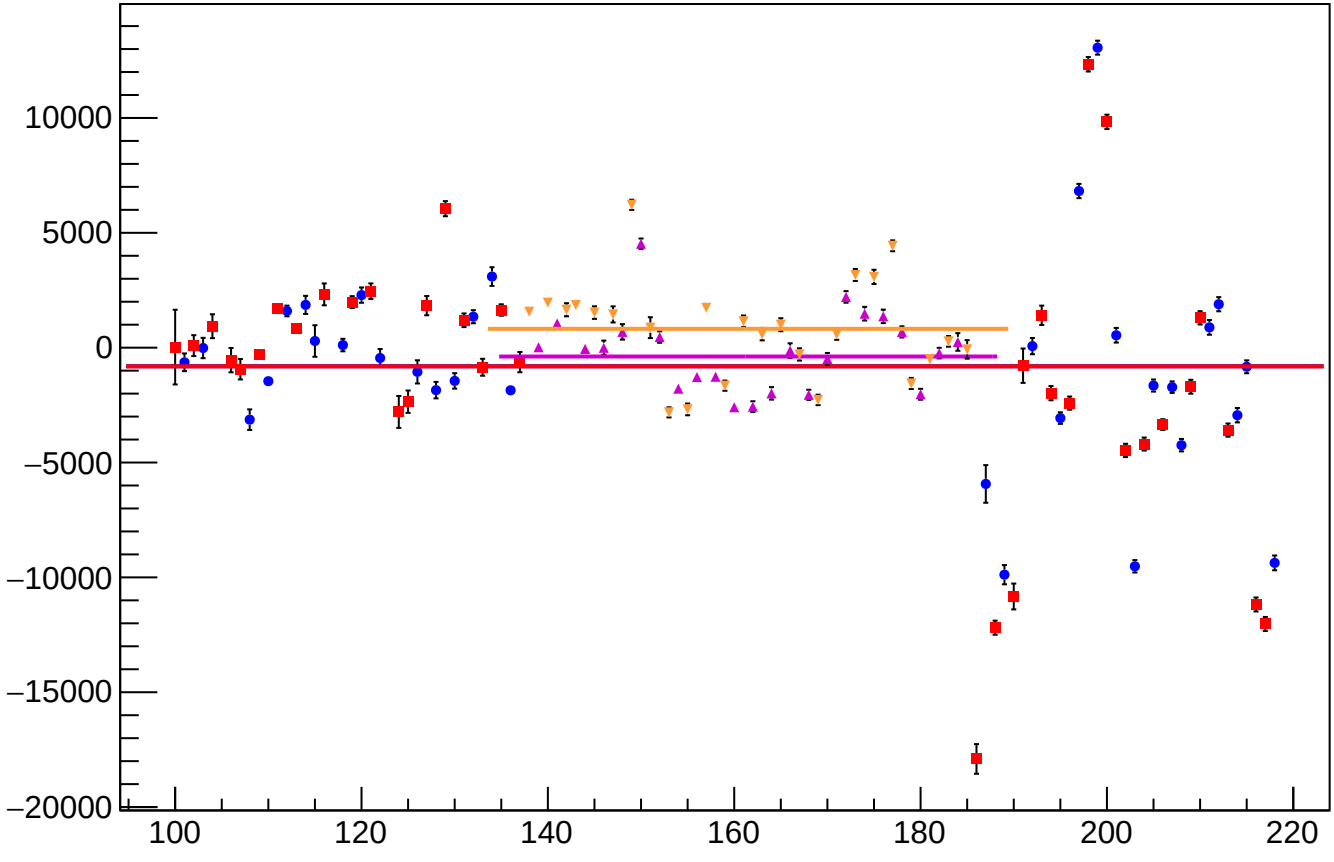
Left In: 865.223+/-0.168 χ^2/NDF:4792678.4/22

+ sign 390.082+/-0.059 χ^2/NDF: 20261391.5/56

All: 405.884+/-0.043 χ^2/NDF: 39399877.6/11

- sign 424.308+/-0.064 χ^2/NDF: 18983299.2/58

asym_bpm0l04WS_mean vs Slug



Right In: -808.521+/-55.141 χ^2/NDF: 5840.9/31

Left Out: 820.821+/-49.996 χ^2/NDF:1990.8/24

Right Out: -814.074+/-53.235 χ^2/NDF: 9604.5/35

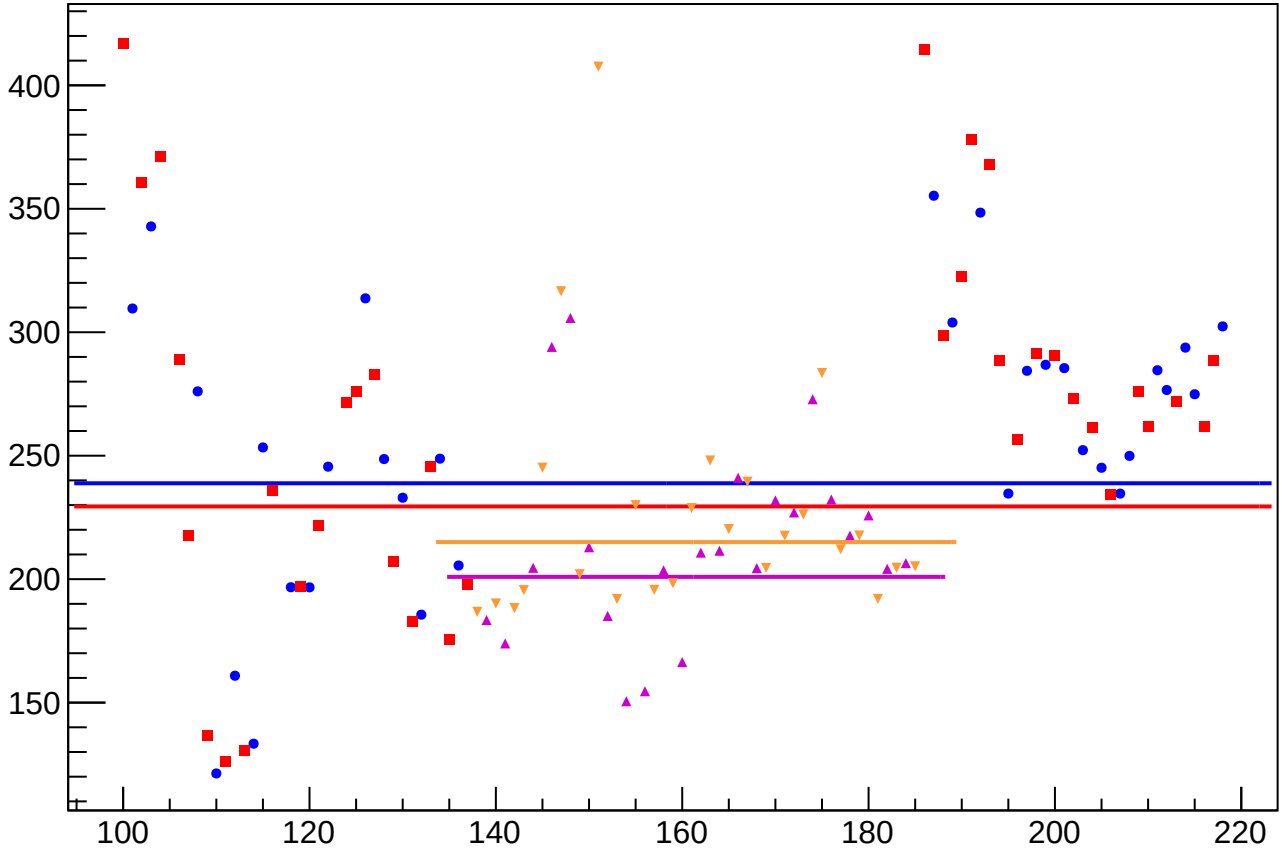
Left In: -385.002+/-48.455 χ^2/NDF:1253.3/22

+ sign 85.691+/-37.038 χ^2/NDF: 8310.8/56

All: -257.851+/-25.754 χ^2/NDF: 19370.7/115

- sign -579.412+/-35.834 χ^2/NDF: 10893.3/58

asym_bpm0l04WS_rms vs Slug



Right In: 238.832+/-0.039 χ^2/NDF: 2144671.7/31

Left Out: 215.027+/-0.035 χ^2/NDF:897791.6/24

Right Out: 229.447+/-0.038 χ^2/NDF: 3330741.8/35

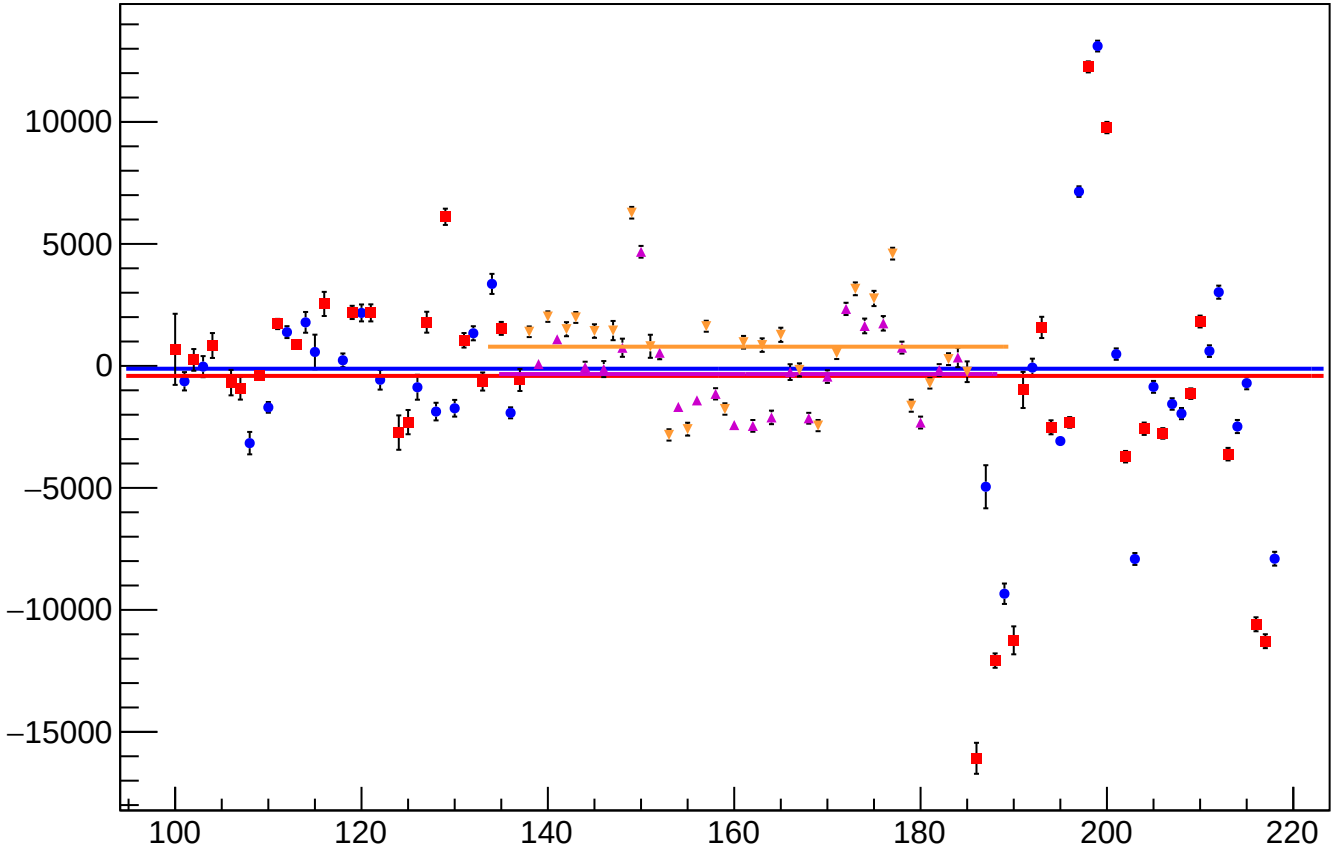
Left In: 200.917+/-0.034 χ^2/NDF:1105842.5/22

+ sign 225.767+/-0.026 χ^2/NDF: 3247042.2/56

All: 219.609+/-0.018 χ^2/NDF: 8104850.5/115

- sign 213.844+/-0.025 χ^2/NDF: 4750746.0/58

asym_bpm0l05WS_mean vs Slug



Right In: -115.319+/-50.722 χ^2/NDF: 7940.4/31

Left Out: 788.110+/-51.424 χ^2/NDF:1890.2/24

Right Out: -409.670+/-49.894 χ^2/NDF: 11949.8/35

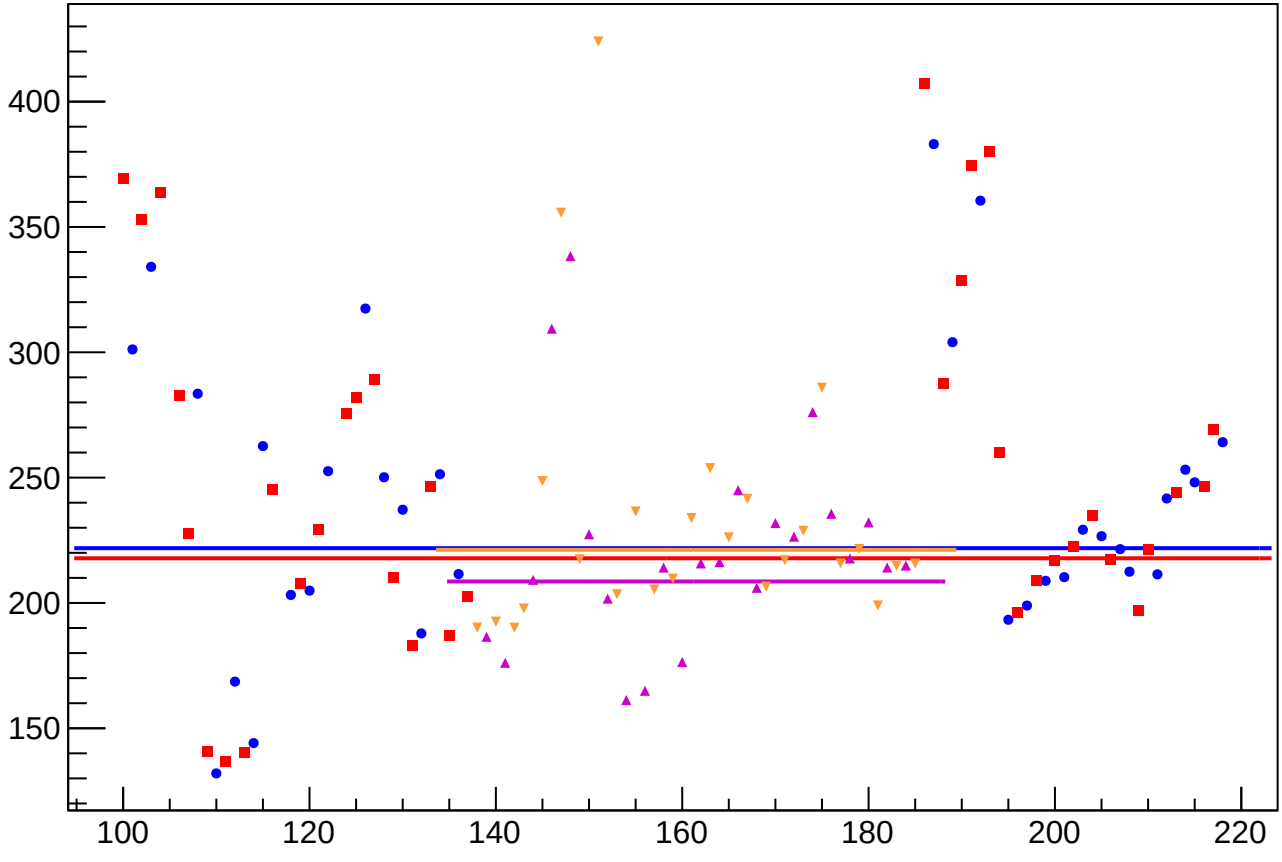
Left In: -333.303+/-50.194 χ^2/NDF:1215.2/22

+ sign 330.181+/-36.112 χ^2/NDF: 9987.1/56

All: -27.888+/-25.274 χ^2/NDF: 23346.1/115

- sign -371.716+/-35.386 χ^2/NDF: 13166.2/58

asym_bpm0l05WS_rms vs Slug



Right In: 221.849+/-0.036 χ^2/NDF: 1533732.8/31

Left Out: 221.185+/-0.036 χ^2/NDF:939520.0/24

Right Out: 217.819+/-0.035 χ^2/NDF: 2396768.4/35

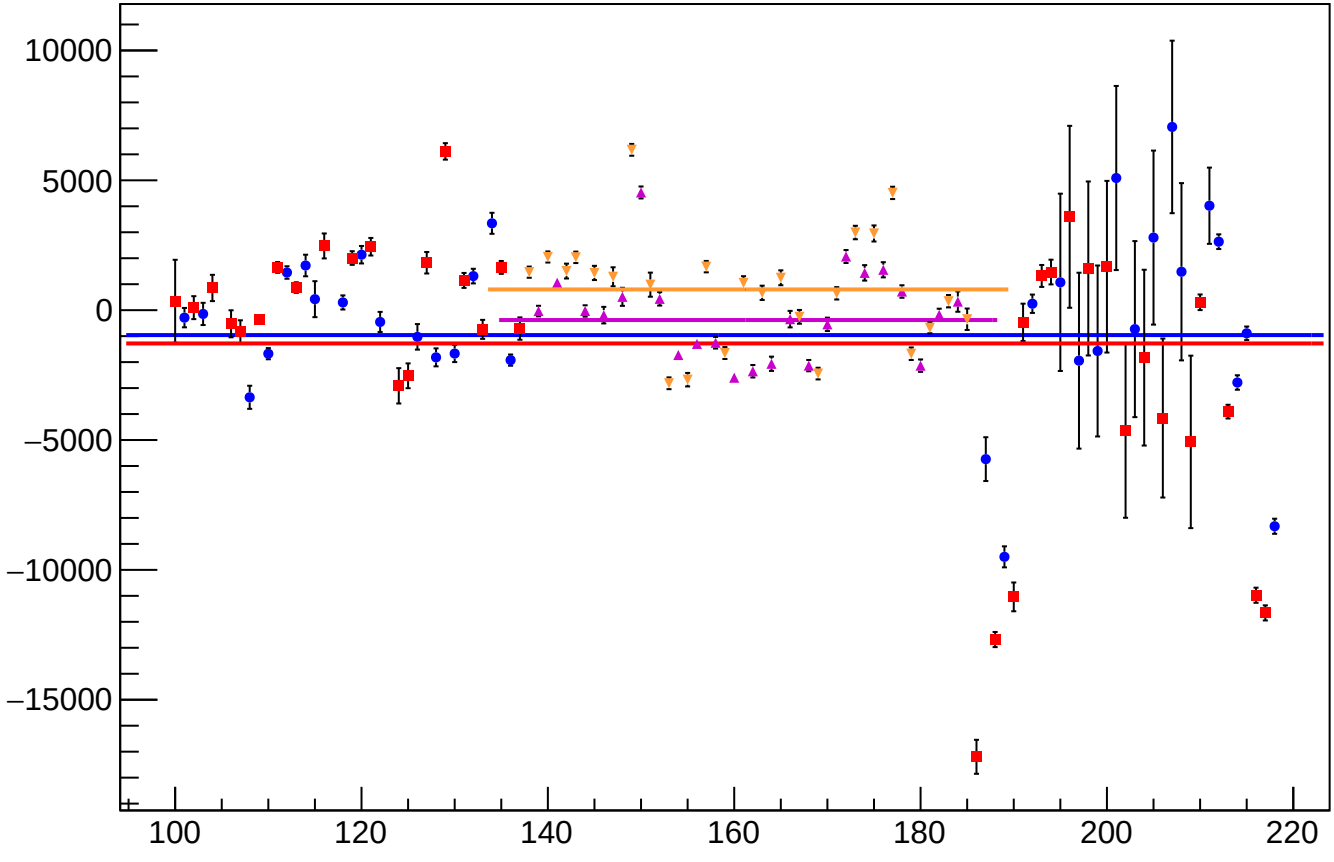
Left In: 208.556+/-0.035 χ^2/NDF:1035638.0/22

+ sign 221.522+/-0.026 χ^2/NDF: 2473421.9/56

All: 217.284+/-0.018 χ^2/NDF: 5994072.1/115

- sign 213.215+/-0.025 χ^2/NDF: 3466663.5/58

asym_bpm0l06WS_mean vs Slug



Right In: -959.474+/-66.821 χ^2/NDF: 1865.8/31

Left Out: 797.475+/-50.495 χ^2/NDF:1960.8/24

Right Out: -1281.381+/-61.464 χ^2/NDF: 6546.0/35

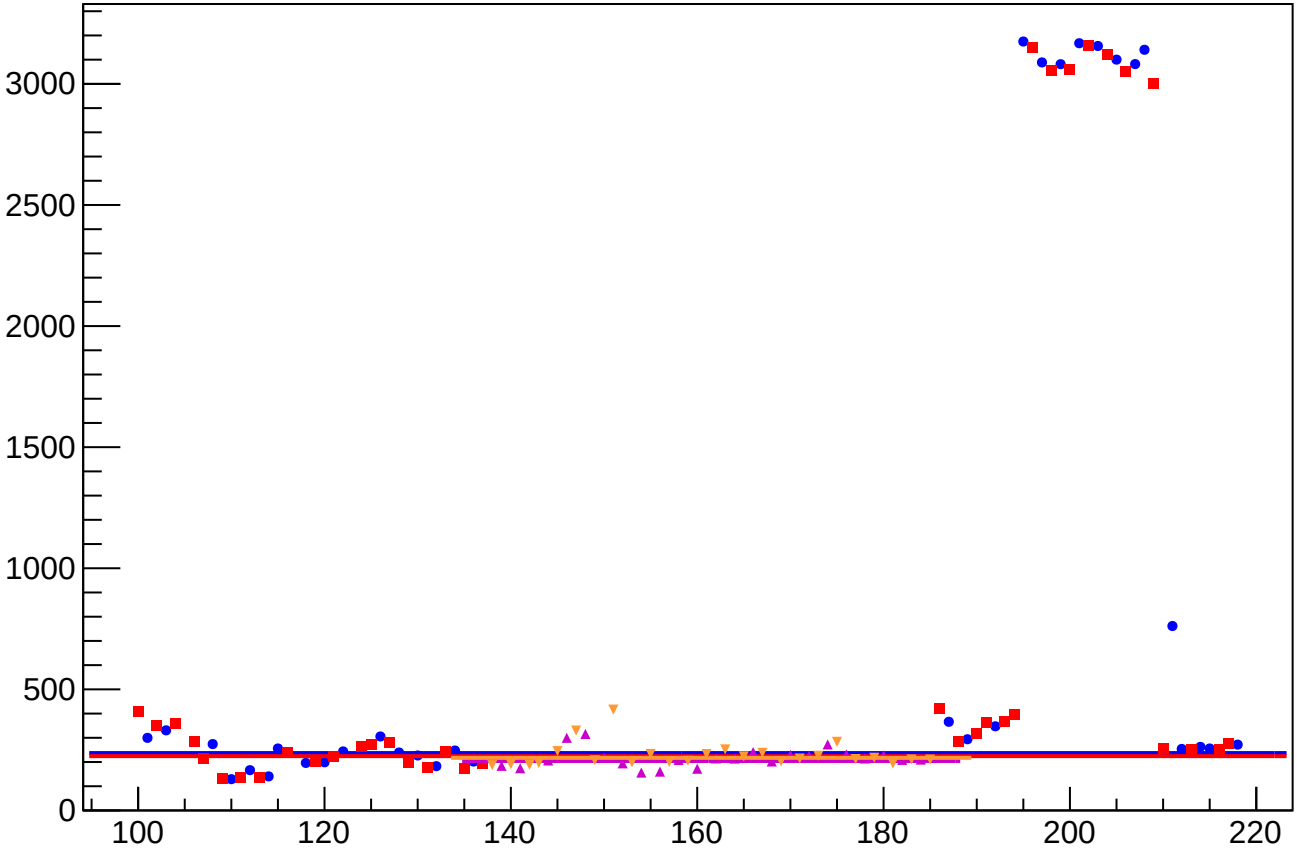
Left In: -379.578+/-49.183 χ^2/NDF:1201.2/22

+ sign 158.851+/-40.286 χ^2/NDF: 4266.6/56

All: -307.686+/-27.796 χ^2/NDF: 12401.1/115

- sign -731.609+/-38.402 χ^2/NDF: 7878.5/58

asym_bpm0l06WS_rms vs Slug



Right In: 236.916+/-0.047 χ^2/NDF: 13409722.0/31

Left Out: 217.224+/-0.036 χ^2/NDF:910445.0/24

Right Out: 224.225+/-0.043 χ^2/NDF: 13239022.2/35

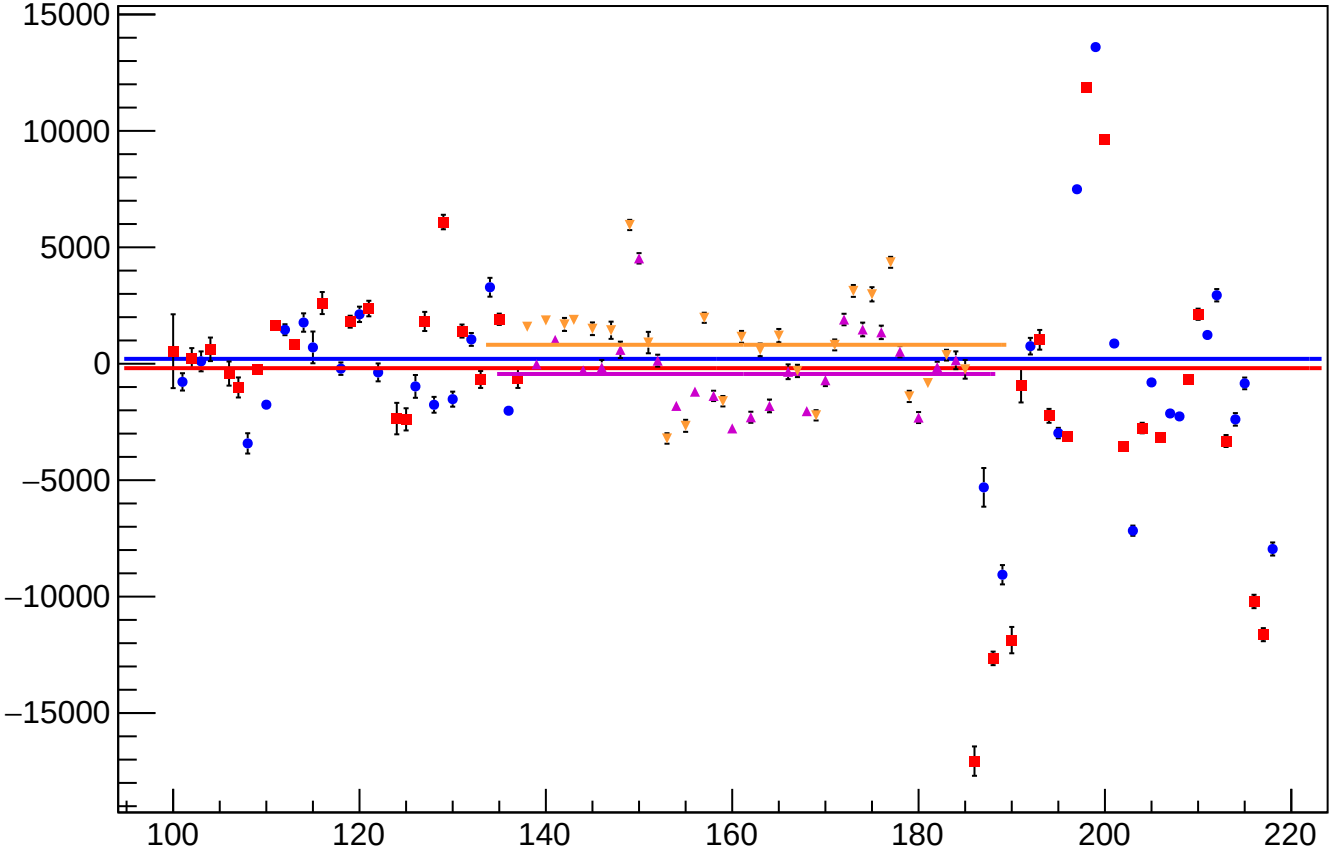
Left In: 204.308+/-0.035 χ^2/NDF:1015049.0/22

+ sign 224.382+/-0.028 χ^2/NDF: 14430721.9/56

All: 217.938+/-0.020 χ^2/NDF: 28910487.9/11

- sign 212.083+/-0.027 χ^2/NDF: 14382100.1/58

asym_bpm0l07WS_mean vs Slug



Right In: 209.822+/-47.498 χ^2/NDF: 10223.6/31

Left Out: 814.275+/-49.760 χ^2/NDF:2000.4/24

Right Out: -189.390+/-46.721 χ^2/NDF: 13972.7/35

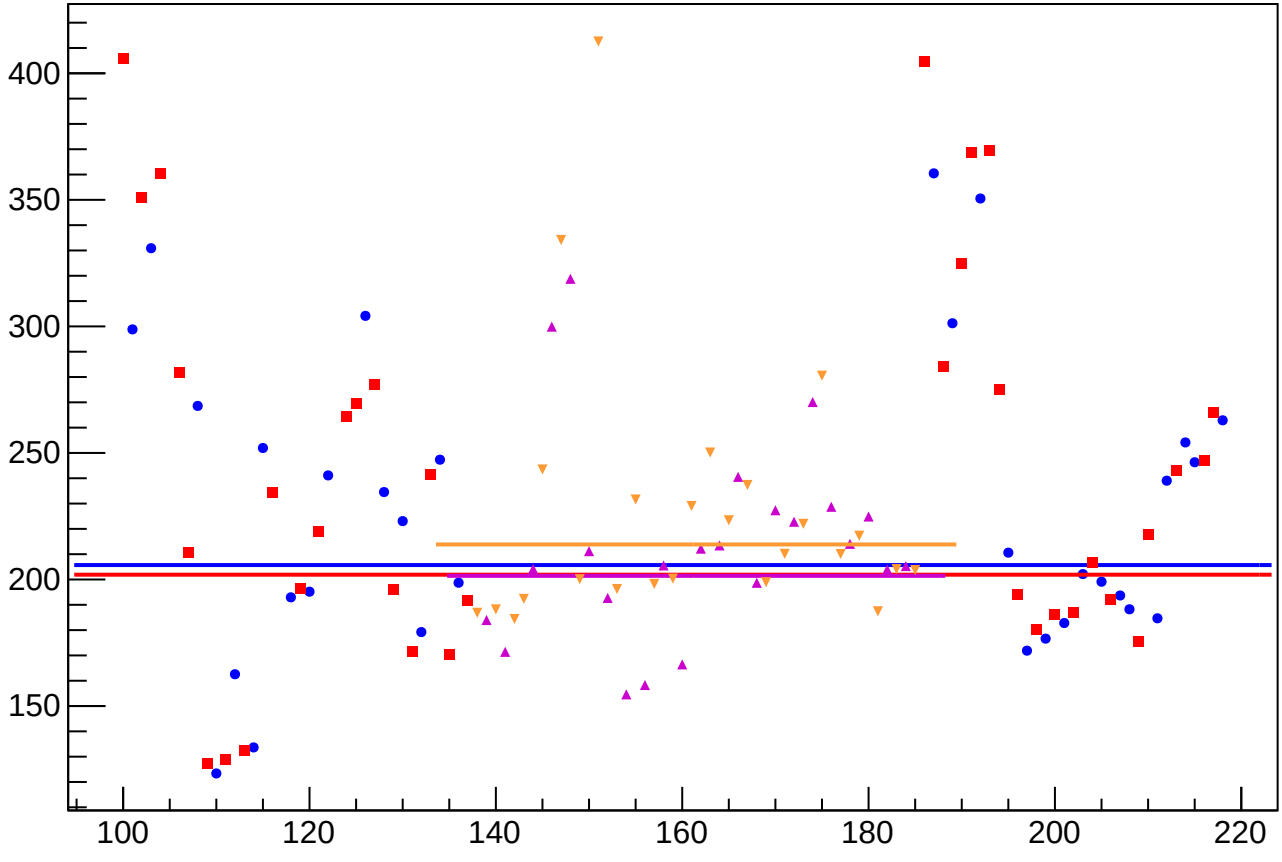
Left In: -439.674+/-48.535 χ^2/NDF:1235.0/22

+ sign 497.999+/-34.358 χ^2/NDF: 12301.2/56

All: 85.827+/-24.044 χ^2/NDF: 27804.7/115

- sign -309.766+/-33.660 χ^2/NDF: 15221.4/58

asym_bpm0l07WS_rms vs Slug



Right In: 205.705+/-0.034 χ^2/NDF: 1884175.9/31

Left Out: 213.848+/-0.035 χ^2/NDF:963582.3/24

Right Out: 201.896+/-0.033 χ^2/NDF: 2901262.9/35

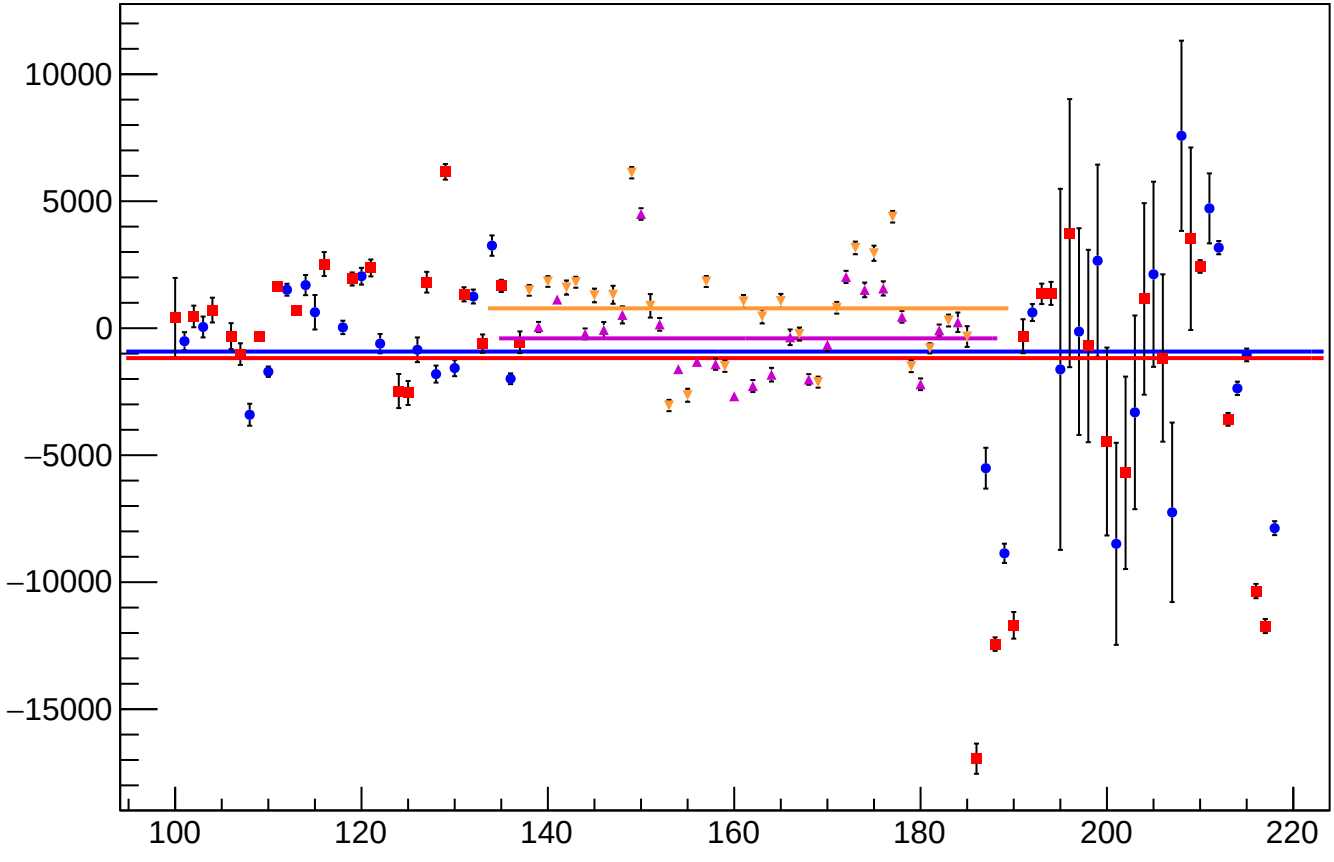
Left In: 201.446+/-0.034 χ^2/NDF:1061972.3/22

+ sign 209.587+/-0.024 χ^2/NDF: 2875782.4/56

All: 205.552+/-0.017 χ^2/NDF: 6893168.9/115

- sign 201.679+/-0.024 χ^2/NDF: 3963324.7/58

asym_bpm0l08WS_mean vs Slug



Right In: -919.115+/-64.328 χ^2/NDF: 1955.3/31

Left Out: 782.388+/-49.199 χ^2/NDF:2001.3/24

Right Out: -1177.361+/-58.627 χ^2/NDF: 7298.0/35

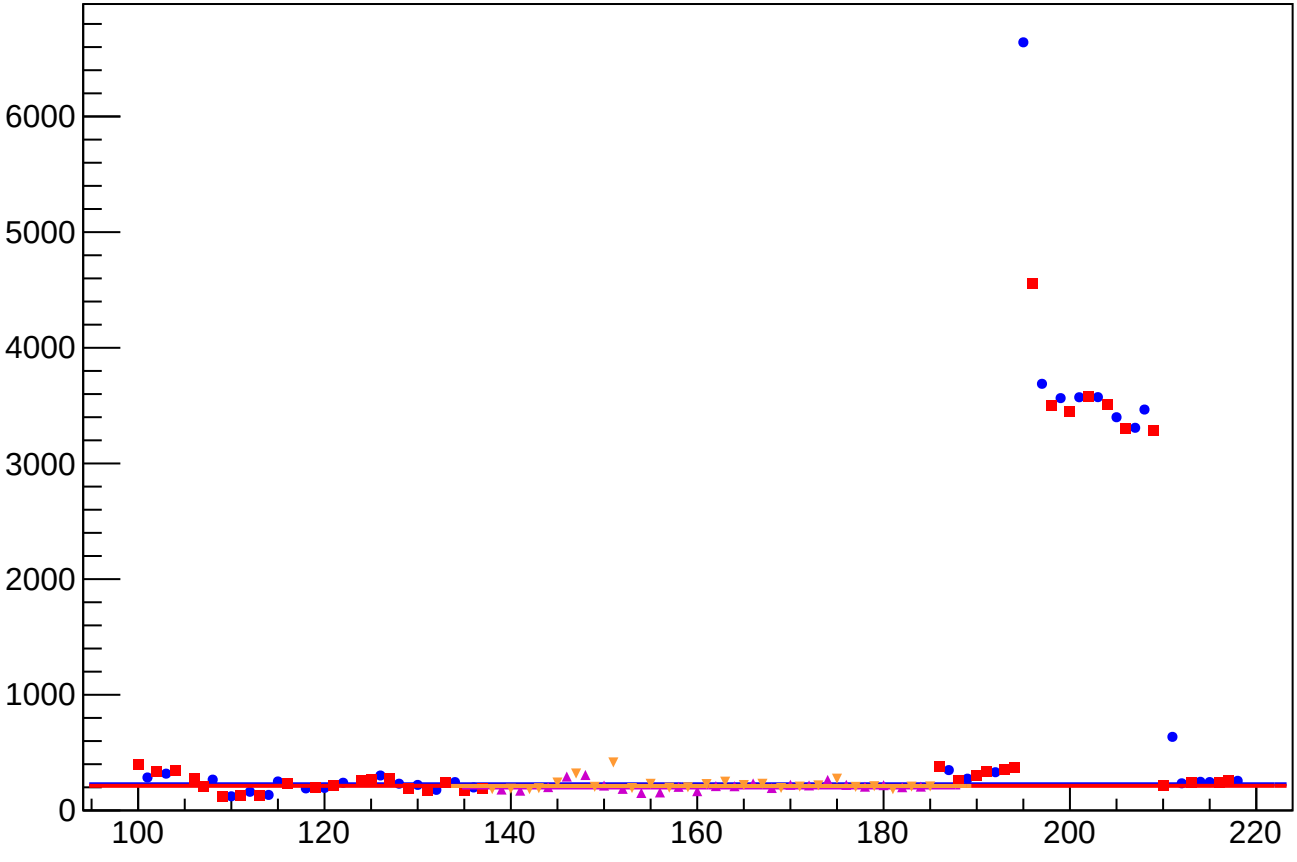
Left In: -399.798+/-47.819 χ^2/NDF:1232.0/22

+ sign 154.422+/-39.079 χ^2/NDF: 4398.0/56

All: -300.978+/-26.889 χ^2/NDF: 13291.5/115

- sign -710.433+/-37.056 χ^2/NDF: 8635.6/58

asym_bpm0l08WS_rms vs Slug



Right In: 226.354+/-0.045 χ^2/NDF: 13784760.7/31

Left Out: 211.496+/-0.035 χ^2/NDF:934978.4/24

Right Out: 212.850+/-0.041 χ^2/NDF: 13500403.3/35

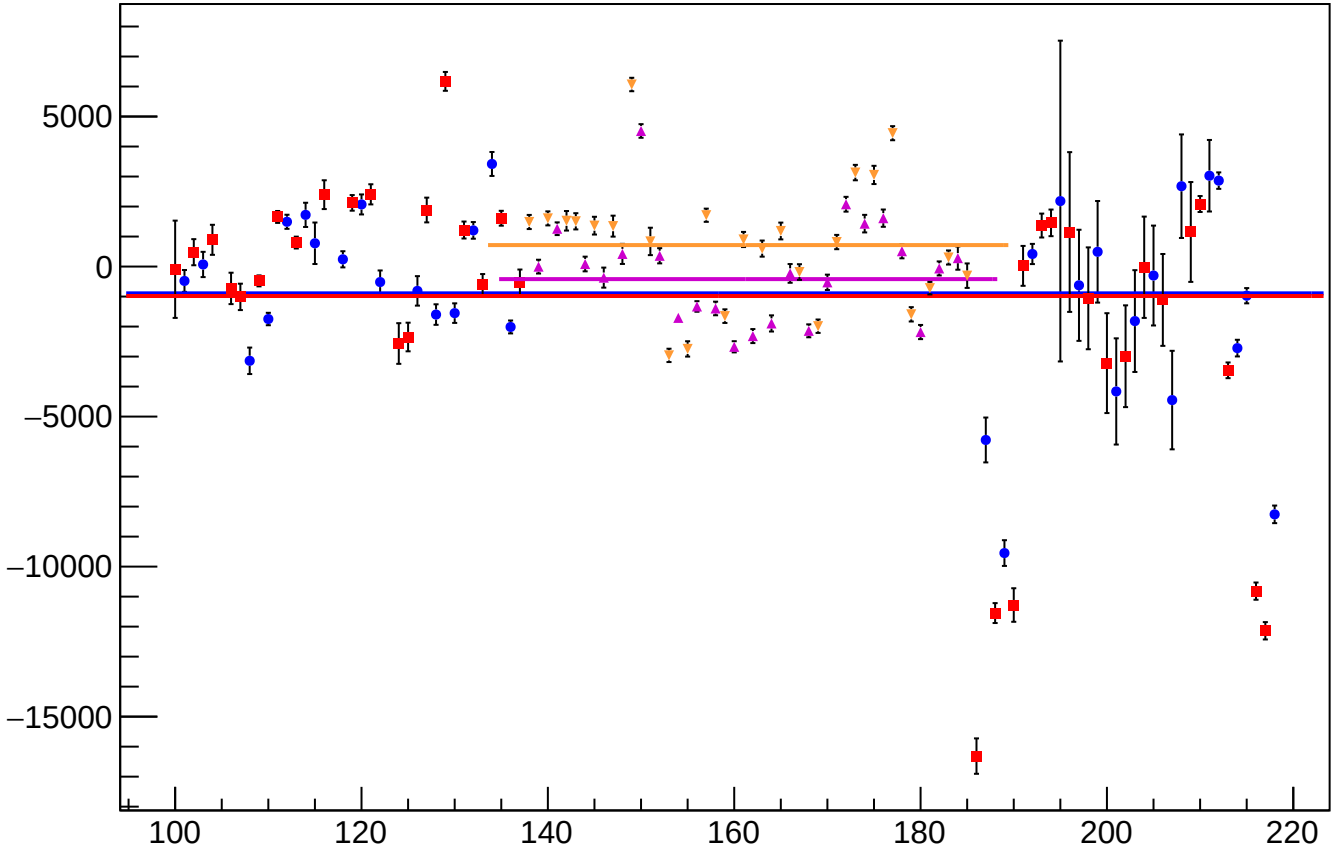
Left In: 198.524+/-0.034 χ^2/NDF:1006458.6/22

+ sign 216.979+/-0.028 χ^2/NDF: 14787059.2/56

All: 210.275+/-0.019 χ^2/NDF: 29477408.8/11

- sign 204.248+/-0.026 χ^2/NDF: 14578571.0/58

asym_bpm0l09WS_mean vs Slug



Right In: -892.855+/-65.531 χ^2/NDF: 1859.0/31

Left Out: 715.643+/-51.110 χ^2/NDF:1918.0/24

Right Out: -981.532+/-60.211 χ^2/NDF: 6323.9/35

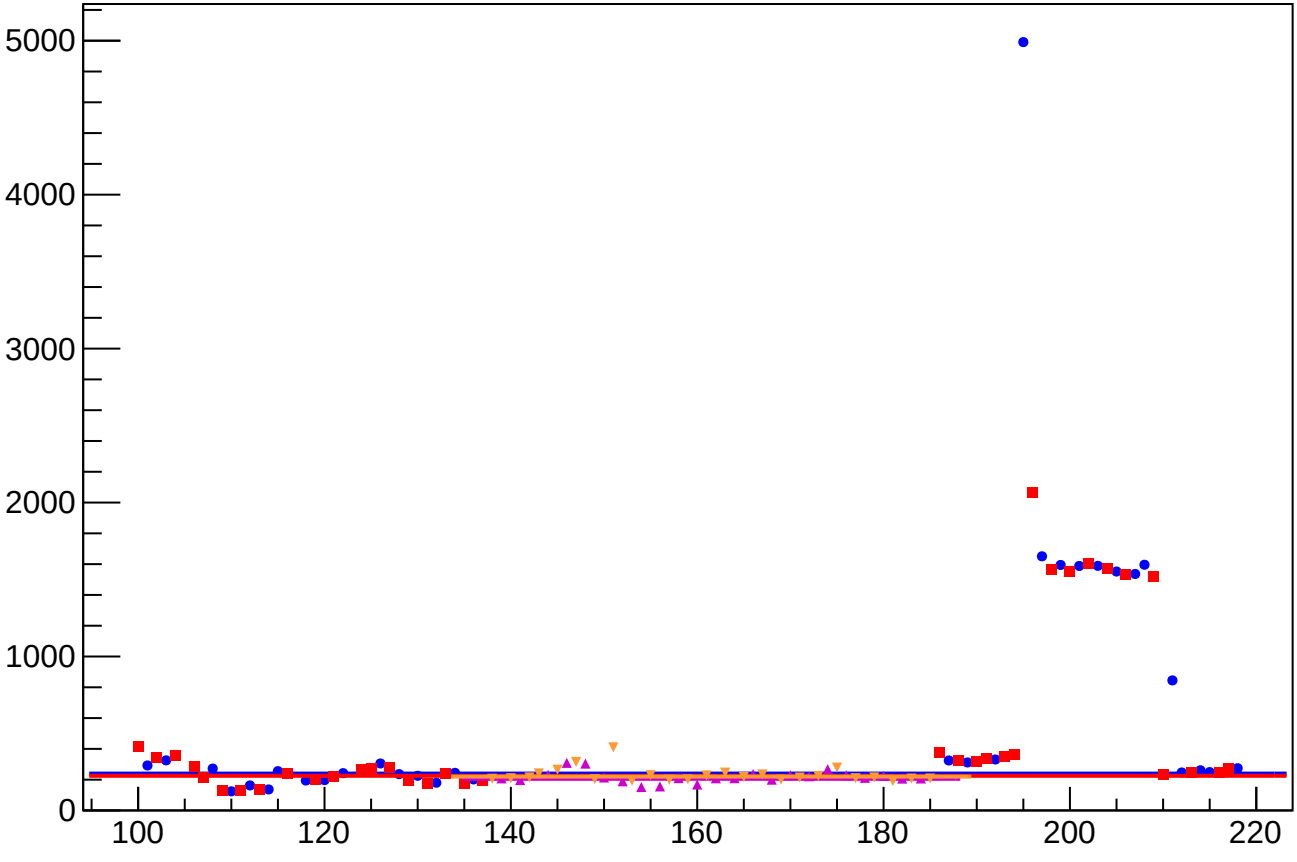
Left In: -418.574+/-49.523 χ^2/NDF:1241.0/22

+ sign 107.269+/-40.302 χ^2/NDF: 4151.6/56

All: -288.906+/-27.743 χ^2/NDF: 11952.3/115

- sign -645.737+/-38.248 χ^2/NDF: 7617.0/58

asym_bpm0l09WS_rms vs Slug



Right In: 239.542+/-0.046 χ^2/NDF: 12350959.5/31

Left Out: 220.145+/-0.036 χ^2/NDF:799699.4/24

Right Out: 225.097+/-0.043 χ^2/NDF: 11681948.4/35

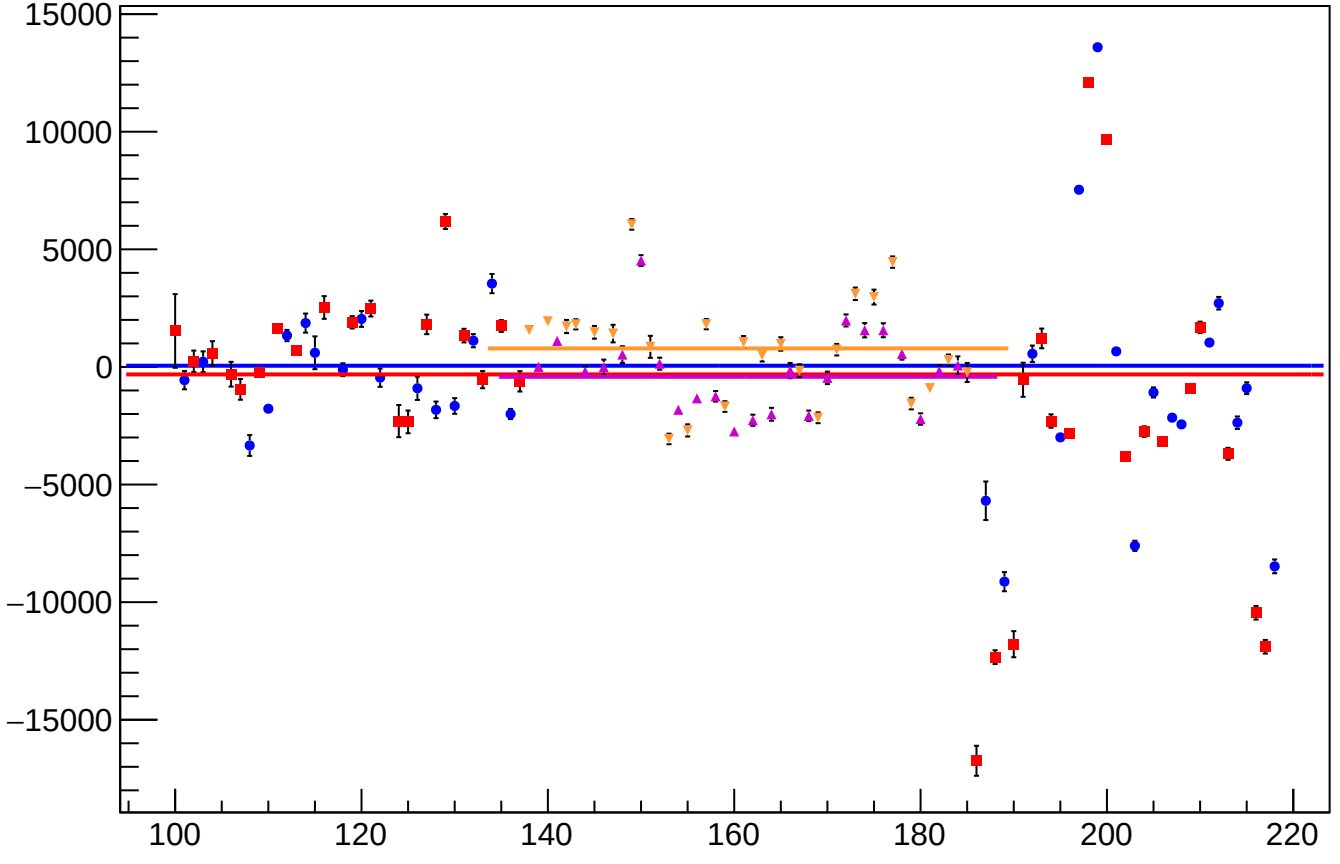
Left In: 205.481+/-0.035 χ^2/NDF:1013965.4/22

+ sign 227.481+/-0.028 χ^2/NDF: 13259614.6/56

All: 220.071+/-0.020 χ^2/NDF: 26210663.0/11

- sign 213.397+/-0.027 χ^2/NDF: 12822529.3/58

asym_bpm0l10WS_mean vs Slug



Right In: 51.092+/-47.995 χ^2/NDF: 10191.6/31

Left Out: 786.922+/-50.524 χ^2/NDF:1937.6/24

Right Out: -317.691+/-47.450 χ^2/NDF: 13591.8/35

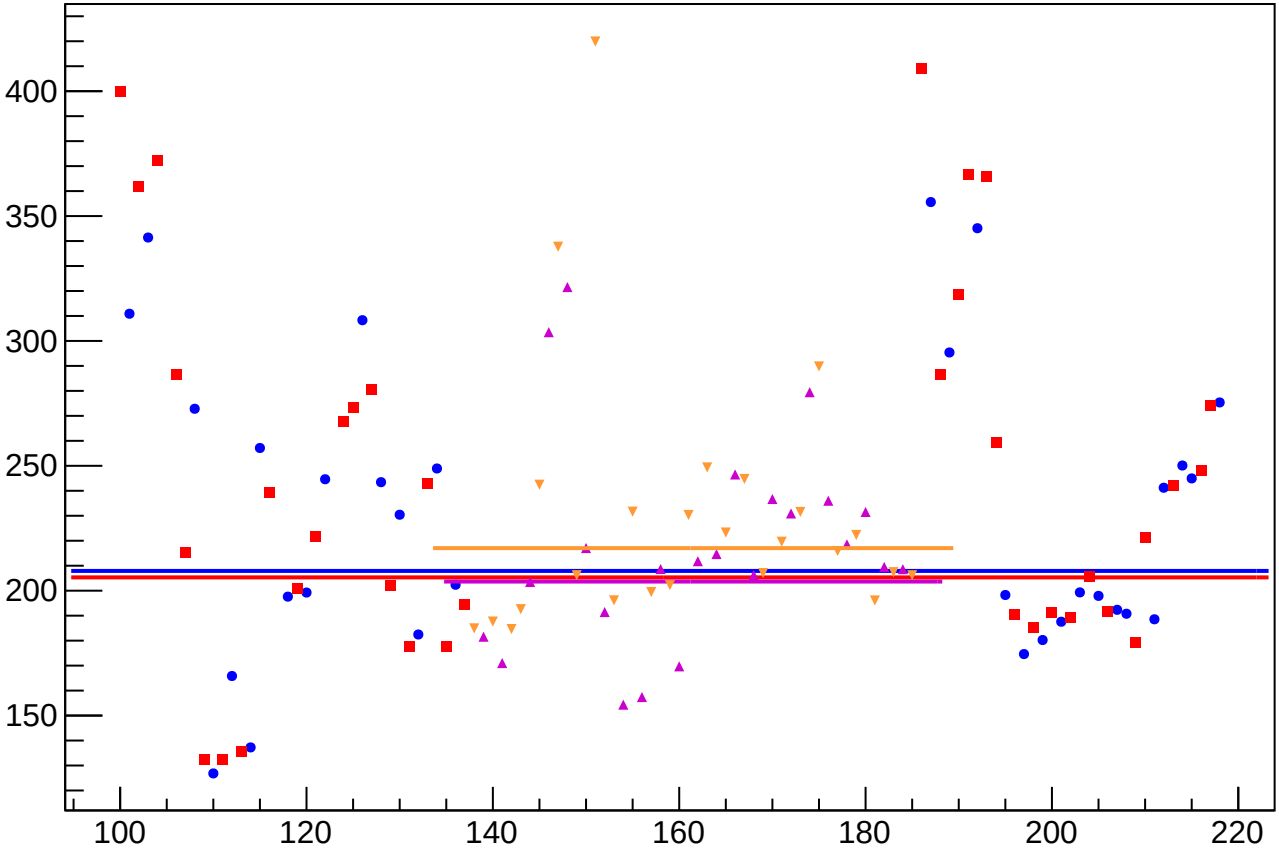
Left In: -418.824+/-49.152 χ^2/NDF:1211.0/22

+ sign 400.130+/-34.797 χ^2/NDF: 12240.6/56

All: 9.497+/-24.369 χ^2/NDF: 27292.9/115

- sign -366.476+/-34.138 χ^2/NDF: 14805.0/58

asym_bpm0l10WS_rms vs Slug



Right In: 207.914+/-0.034 χ^2/NDF: 1829661.6/31

Left Out: 217.040+/-0.036 χ^2/NDF:983170.6/24

Right Out: 205.323+/-0.034 χ^2/NDF: 2734443.3/35

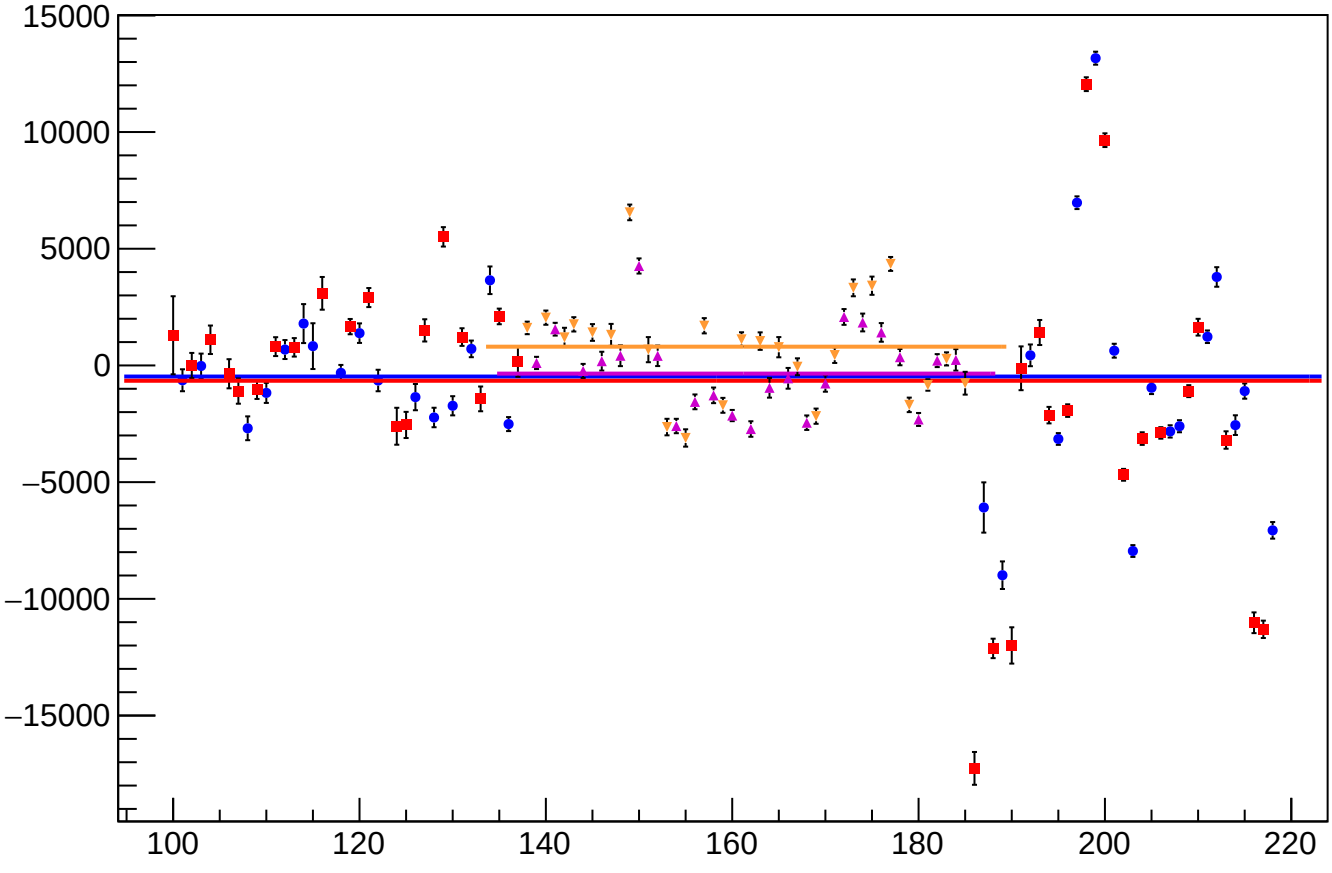
Left In: 203.660+/-0.035 χ^2/NDF:1165334.8/22

\+ sign 212.243+/-0.025 χ^2/NDF: 2847130.2/56

All: 208.308+/-0.017 χ^2/NDF: 6798283.0/115

\- sign 204.521+/-0.024 χ^2/NDF: 3900963.2/58

asym_bpm0r03WS_mean vs Slug



Right In: -475.768+/-63.994 χ^2/NDF: 5234.9/31

Left Out: 803.752+/-67.693 χ^2/NDF:1057.7/24

Right Out: -656.381+/-65.601 χ^2/NDF: 7078.0/35

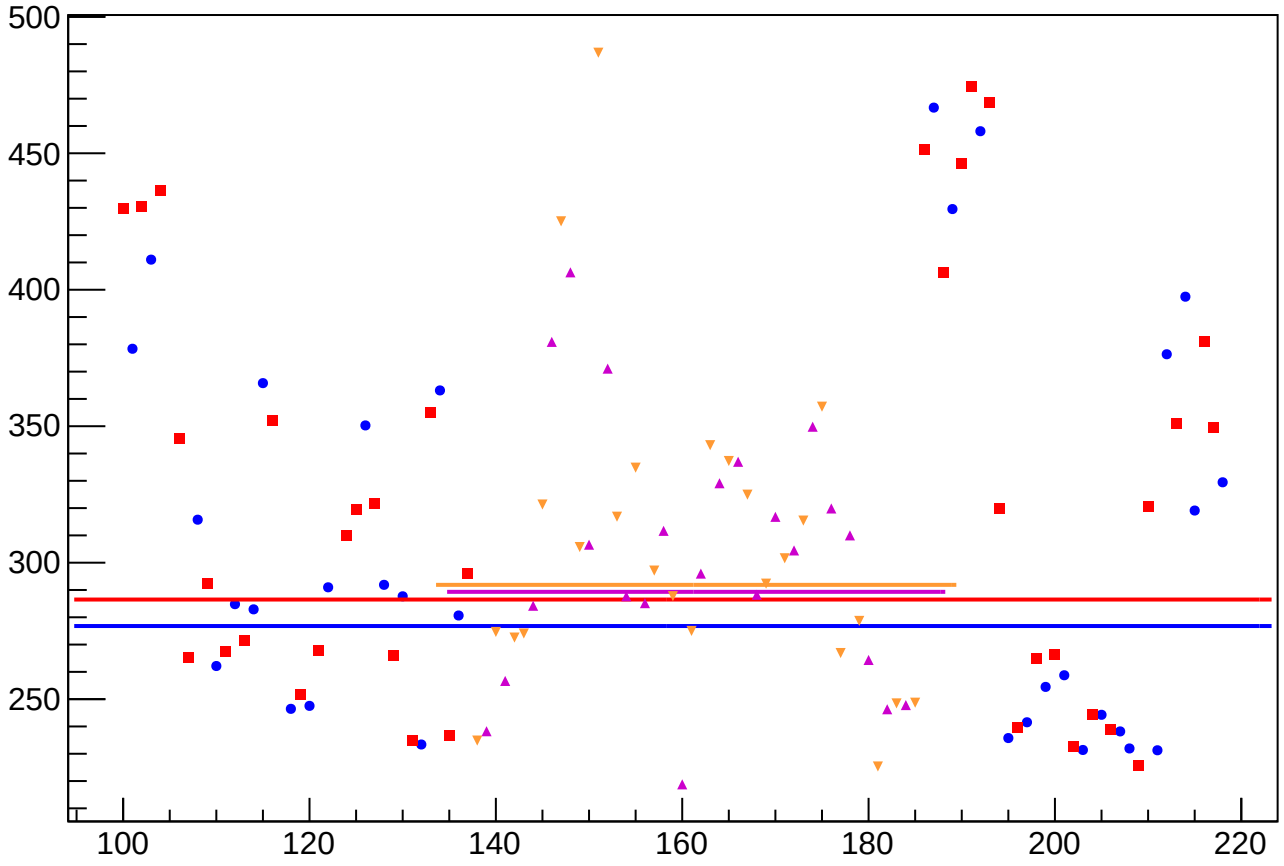
Left In: -350.095+/-68.985 χ^2/NDF:656.1/22

+ sign 128.083+/-46.503 χ^2/NDF: 6481.2/56

All: -184.396+/-33.243 χ^2/NDF: 14318.0/115

- sign -510.934+/-47.538 χ^2/NDF: 7744.4/58

asym_bpm0r03WS_rms vs Slug



Right In: 276.794+/-0.045 χ^2/NDF: 1603349.4/31

Left Out: 291.882+/-0.048 χ^2/NDF:959919.3/24

Right Out: 286.500+/-0.046 χ^2/NDF: 1810225.3/35

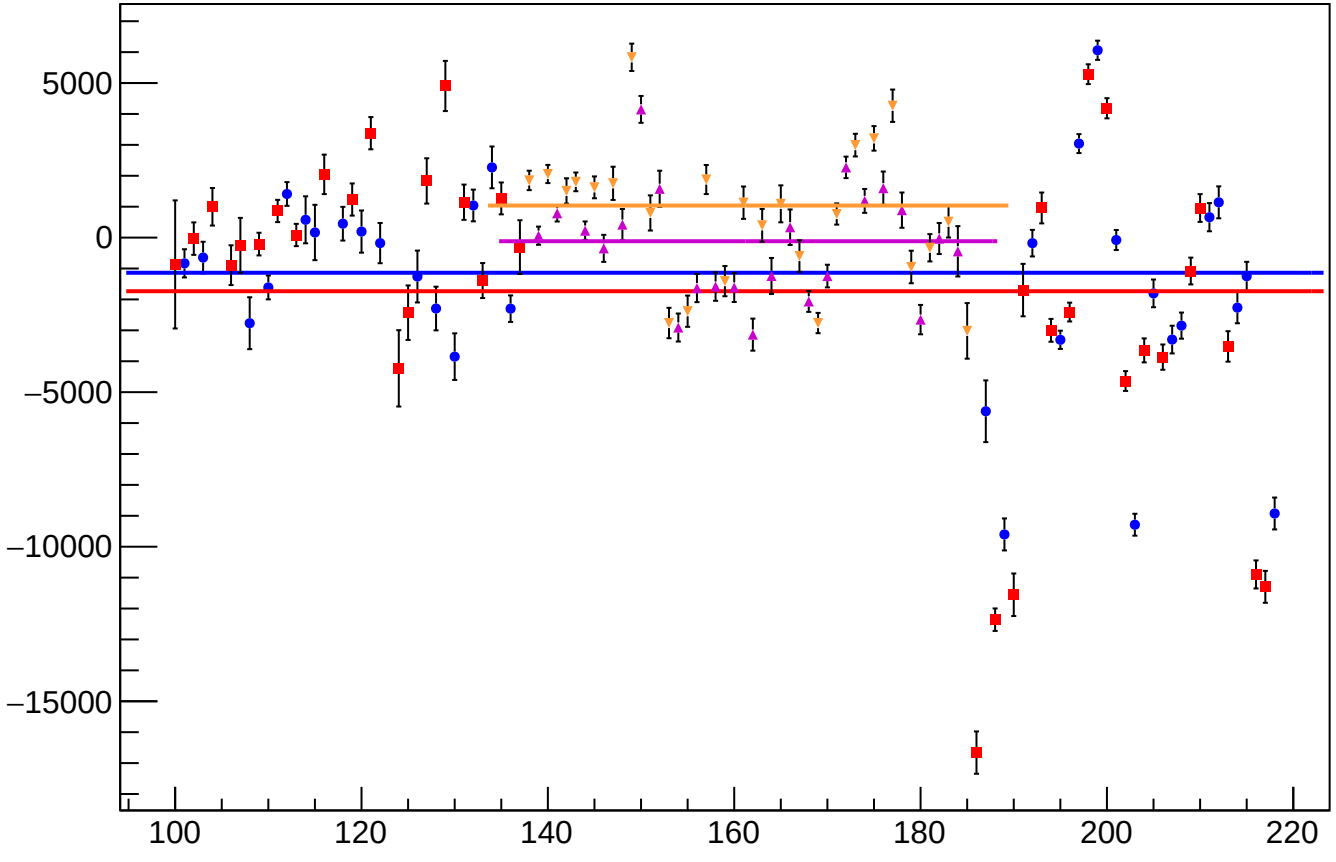
Left In: 289.321+/-0.049 χ^2/NDF:808605.3/22

+ sign 283.915+/-0.033 χ^2/NDF: 2615739.8/56

All: 285.834+/-0.024 χ^2/NDF: 5243293.4/115

- sign 287.840+/-0.034 χ^2/NDF: 2620586.2/58

asym_bpm0r05WS_mean vs Slug



Right In: -1137.616+/-82.334 χ^2/NDF: 2058.3/31

Left Out: 1037.330+/-85.200 χ^2/NDF:570.2/24

Right Out: -1734.318+/-79.209 χ^2/NDF: 3774.9/35

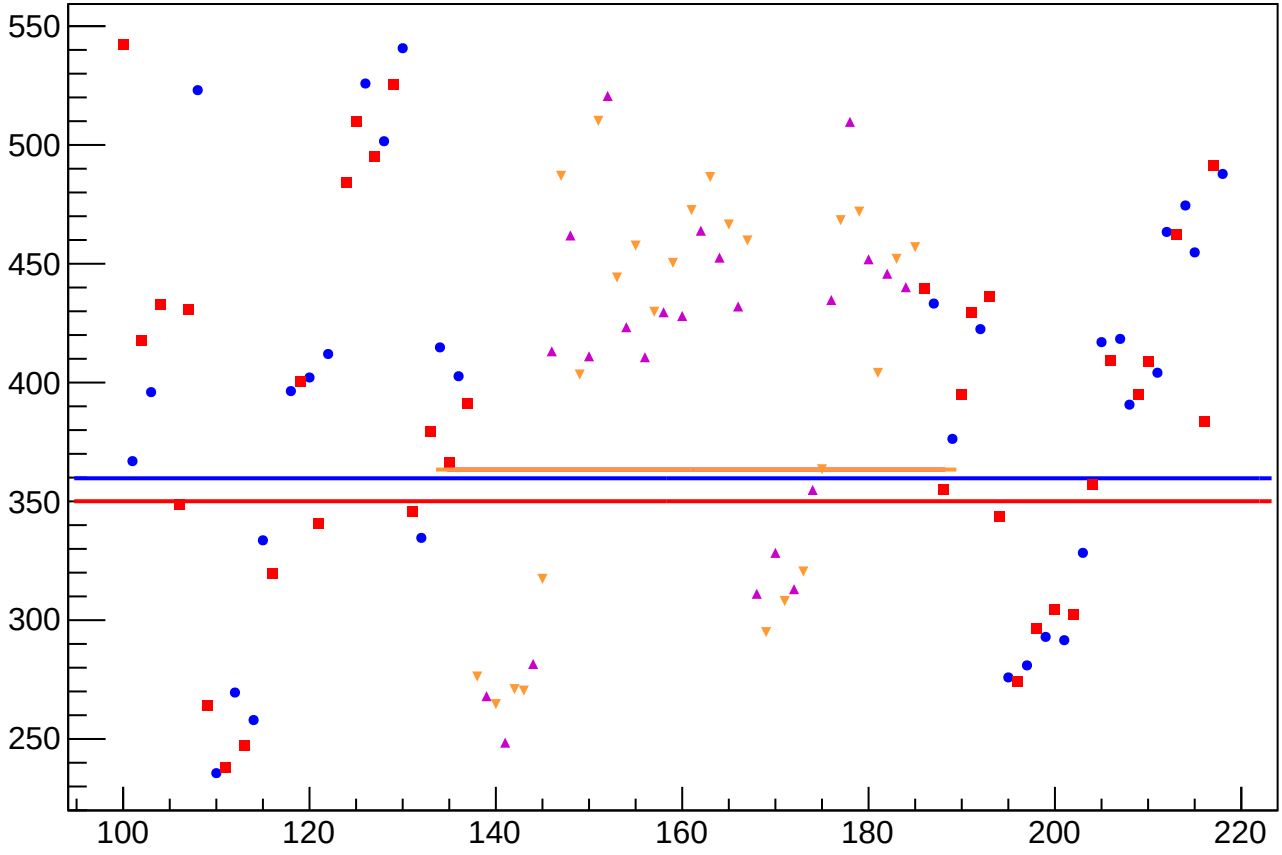
Left In: -117.211+/-87.461 χ^2/NDF:370.4/22

\+ sign -87.336+/-59.206 χ^2/NDF: 2965.5/56

All: -550.351+/-41.689 χ^2/NDF: 7419.9/115

\- sign -1005.638+/-58.710 χ^2/NDF: 4333.1/58

asym_bpm0r05WS_rms vs Slug



Right In: 359.715+/-0.058 χ^2/NDF: 1815038.8/31

Left Out: 363.387+/-0.060 χ^2/NDF:1940497.4/24

Right Out: 350.057+/-0.056 χ^2/NDF: 1614461.0/35

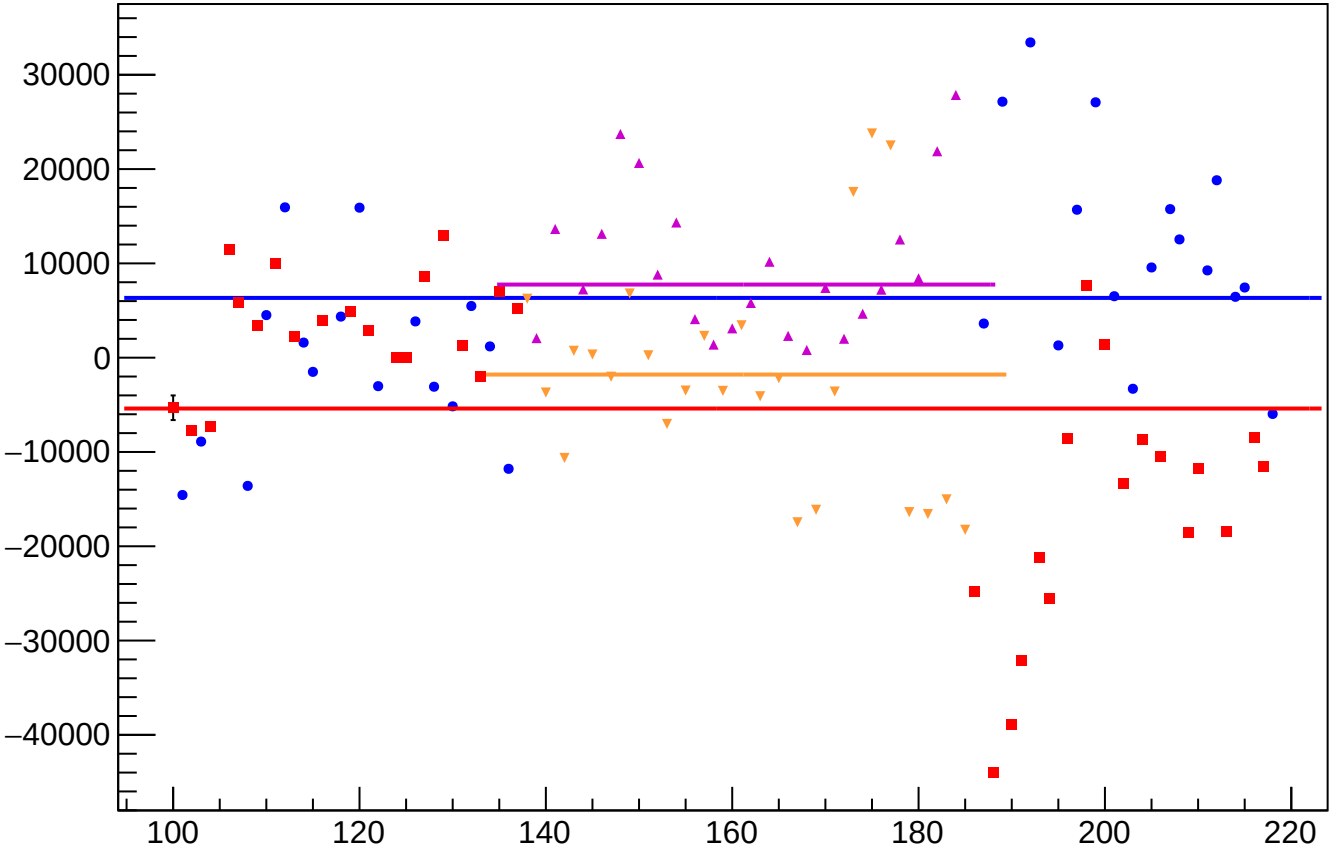
Left In: 363.386+/-0.062 χ^2/NDF:1711599.2/22

+ sign 361.488+/-0.042 χ^2/NDF: 3757456.7/56

All: 358.753+/-0.029 χ^2/NDF: 7117507.5/115

- sign 356.063+/-0.042 χ^2/NDF: 3351583.1/58

asym_bpm0i02WS_mean vs Slug



Right In: 6339.118+/-38.059 χ^2/NDF: 99112.1/31

Left Out: -1790.289+/-40.910 χ^2/NDF:65745.9/24

Right Out: -5393.881+/-36.880 χ^2/NDF: 147782.5/35

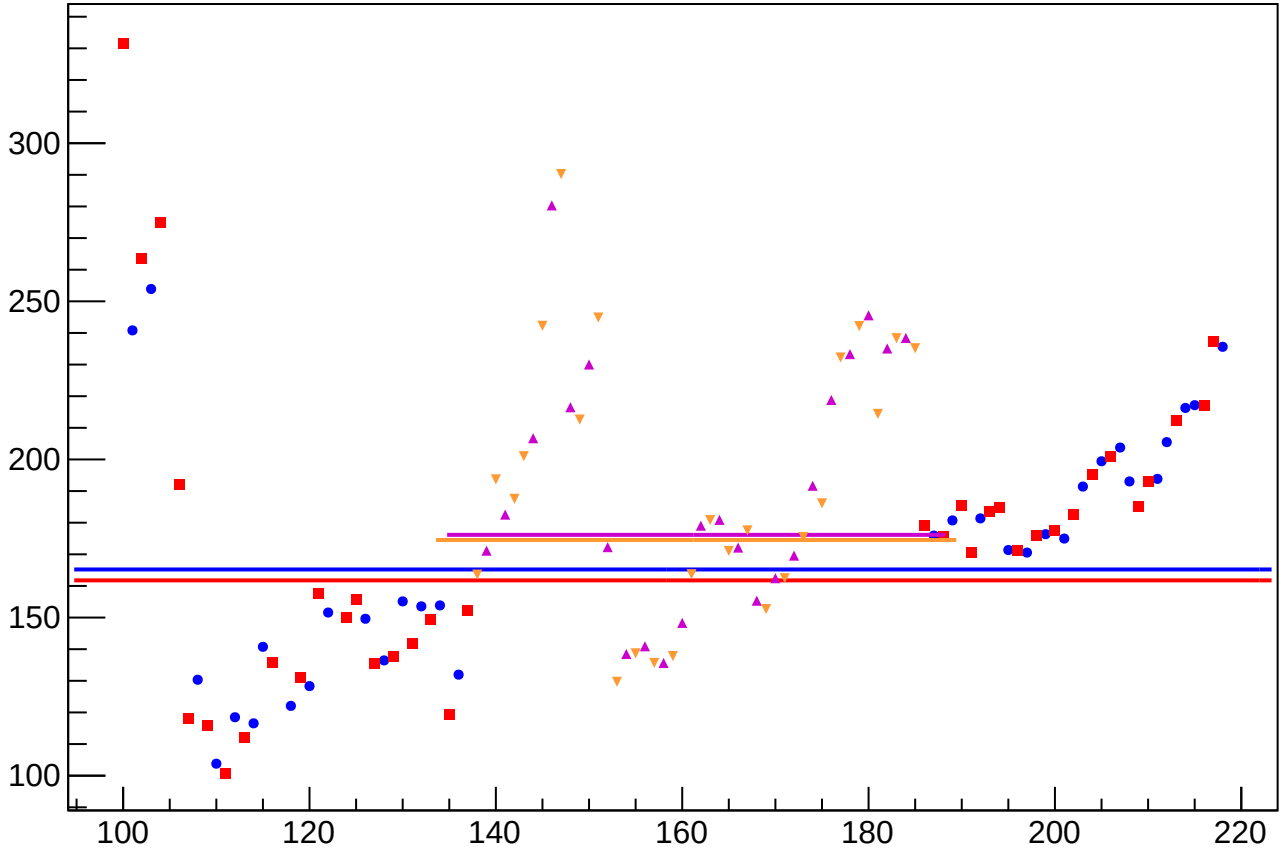
Left In: 7754.468+/-42.571 χ^2/NDF:23278.0/22

+ sign 2567.565+/-27.865 χ^2/NDF: 186025.6/56

All: 1405.870+/-19.707 χ^2/NDF: 415057.0/11

- sign 243.359+/-27.875 χ^2/NDF: 225554.1/58

asym_bpm0i02WS_rms vs Slug



Right In: 165.211+/-0.027 χ^2/NDF: 1817979.8/31

Left Out: 174.520+/-0.029 χ^2/NDF:1659469.6/24

Right Out: 161.760+/-0.026 χ^2/NDF: 2117564.2/35

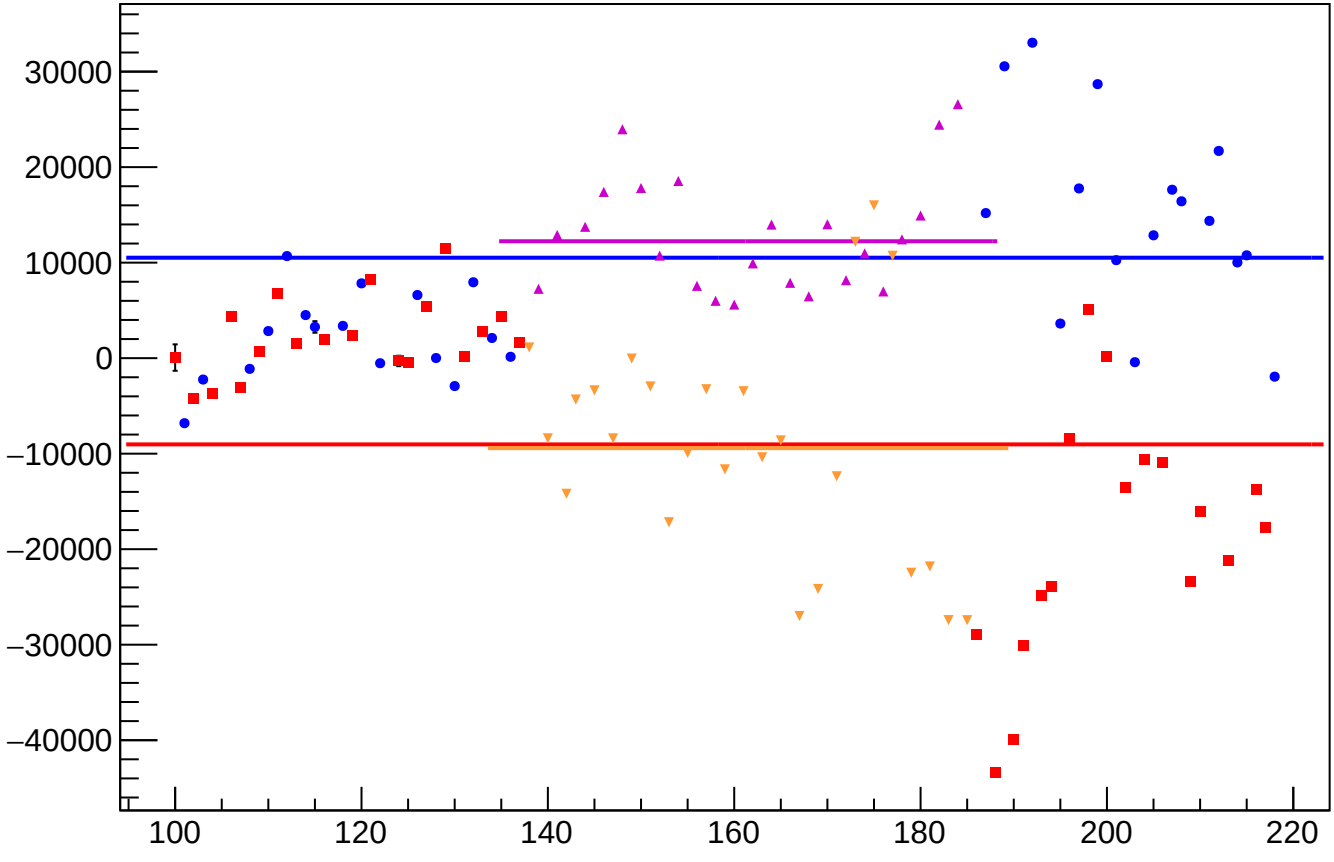
Left In: 176.155+/-0.030 χ^2/NDF:1367059.2/22

+ sign 169.530+/-0.020 χ^2/NDF: 3532970.7/56

All: 168.731+/-0.014 χ^2/NDF: 7151504.5/115

- sign 167.932+/-0.020 χ^2/NDF: 3615245.1/58

asym_bpm0i02aWS_mean vs Slug



Right In: 10516.588+/-41.421 χ^2/NDF: 59301.8/31

Left Out: -9420.181+/-45.698 χ^2/NDF:64719.0/24

Right Out: -9028.540+/-40.318 χ^2/NDF: 119882.2/35

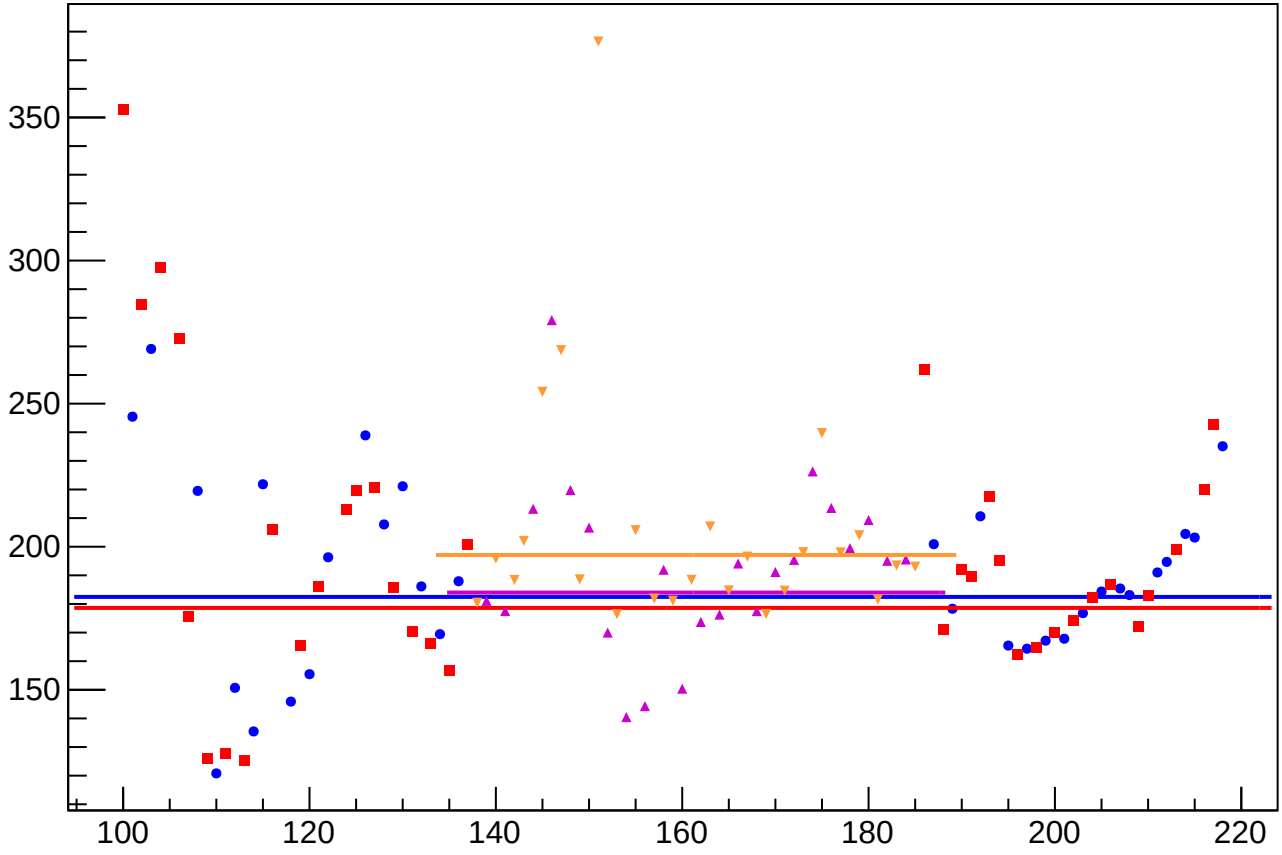
Left In: 12238.678+/-44.195 χ^2/NDF:16015.8/22

+ sign 1524.694+/-30.690 χ^2/NDF: 228510.4/56

All: 1064.749+/-21.374 χ^2/NDF: 491228.0/11

- sign 631.505+/-29.786 χ^2/NDF: 262281.4/58

asym_bpm0i02aWS_rms vs Slug



Right In: 182.461+/-0.029 χ^2/NDF: 924382.2/31

Left Out: 197.122+/-0.032 χ^2/NDF:732529.8/24

Right Out: 178.623+/-0.029 χ^2/NDF: 1419329.2/35

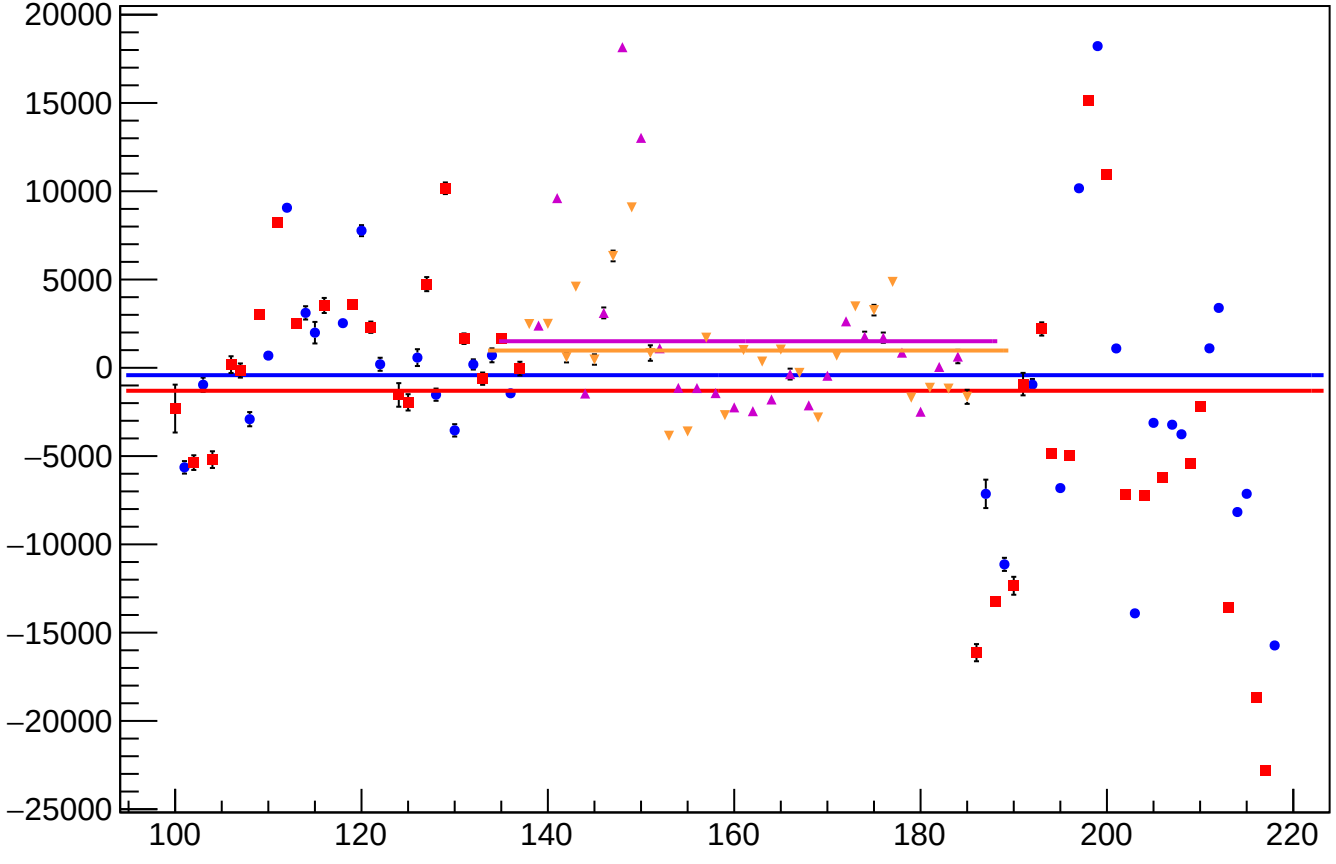
Left In: 183.985+/-0.031 χ^2/NDF:829778.1/22

+ sign 189.073+/-0.022 χ^2/NDF: 1769930.1/56

All: 184.946+/-0.015 χ^2/NDF: 4105350.7/115

- sign 181.059+/-0.021 χ^2/NDF: 2265178.6/58

asym_bpm0i05WS_mean vs Slug



Right In: -417.460+/-46.465 χ^2/NDF: 26985.5/31

Left Out: 978.429+/-49.607 χ^2/NDF:4322.9/24

Right Out: -1300.827+/-45.310 χ^2/NDF: 35397.5/35

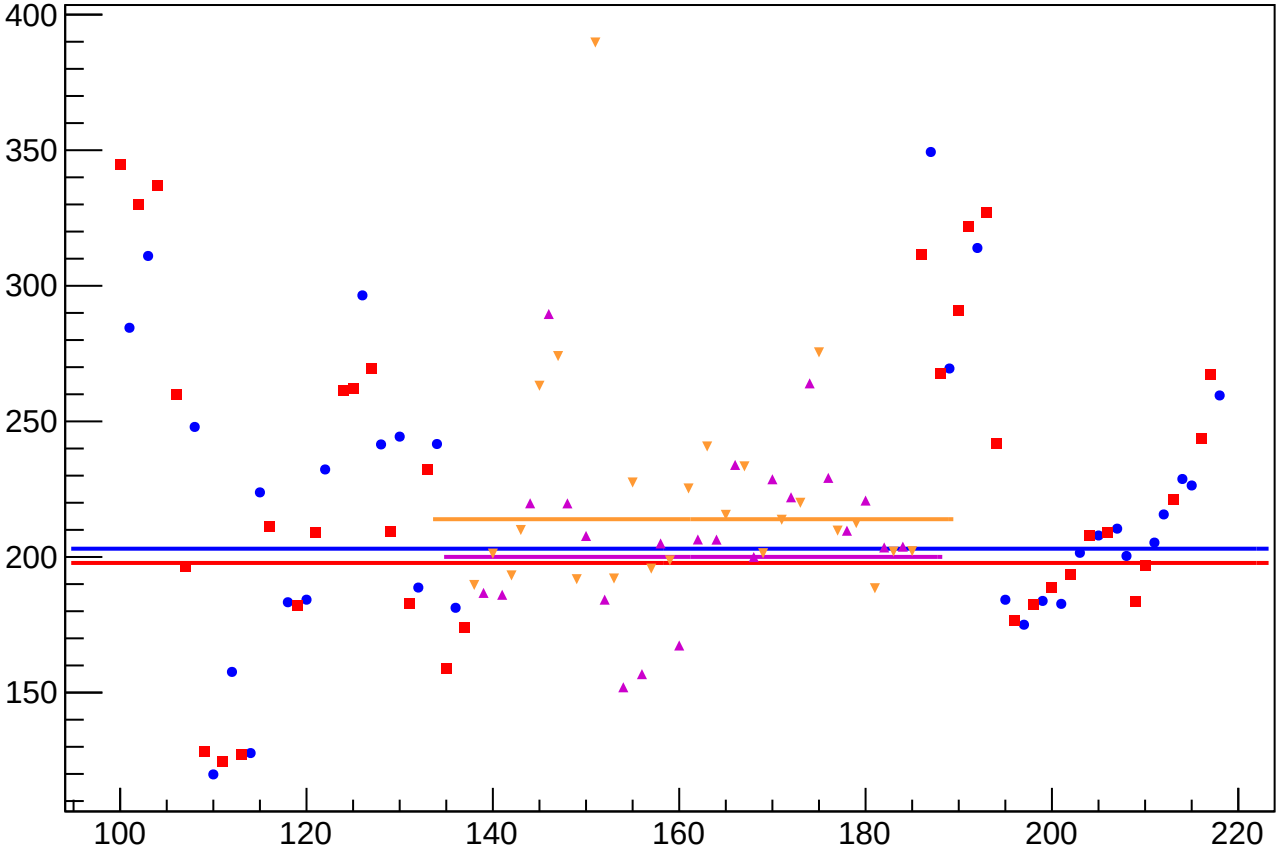
Left In: 1505.093+/-48.051 χ^2/NDF:11480.6/22

+ sign 234.886+/-33.912 χ^2/NDF: 31730.2/56

All: 124.315+/-23.638 χ^2/NDF: 80434.0/115

- sign 19.831+/-32.965 χ^2/NDF: 48683.1/58

asym_bpm0i05WS_rms vs Slug



Right In: 203.056+/-0.033 χ^2/NDF: 1601048.9/31

Left Out: 213.931+/-0.035 χ^2/NDF:733638.6/24

Right Out: 197.800+/-0.032 χ^2/NDF: 2469069.9/35

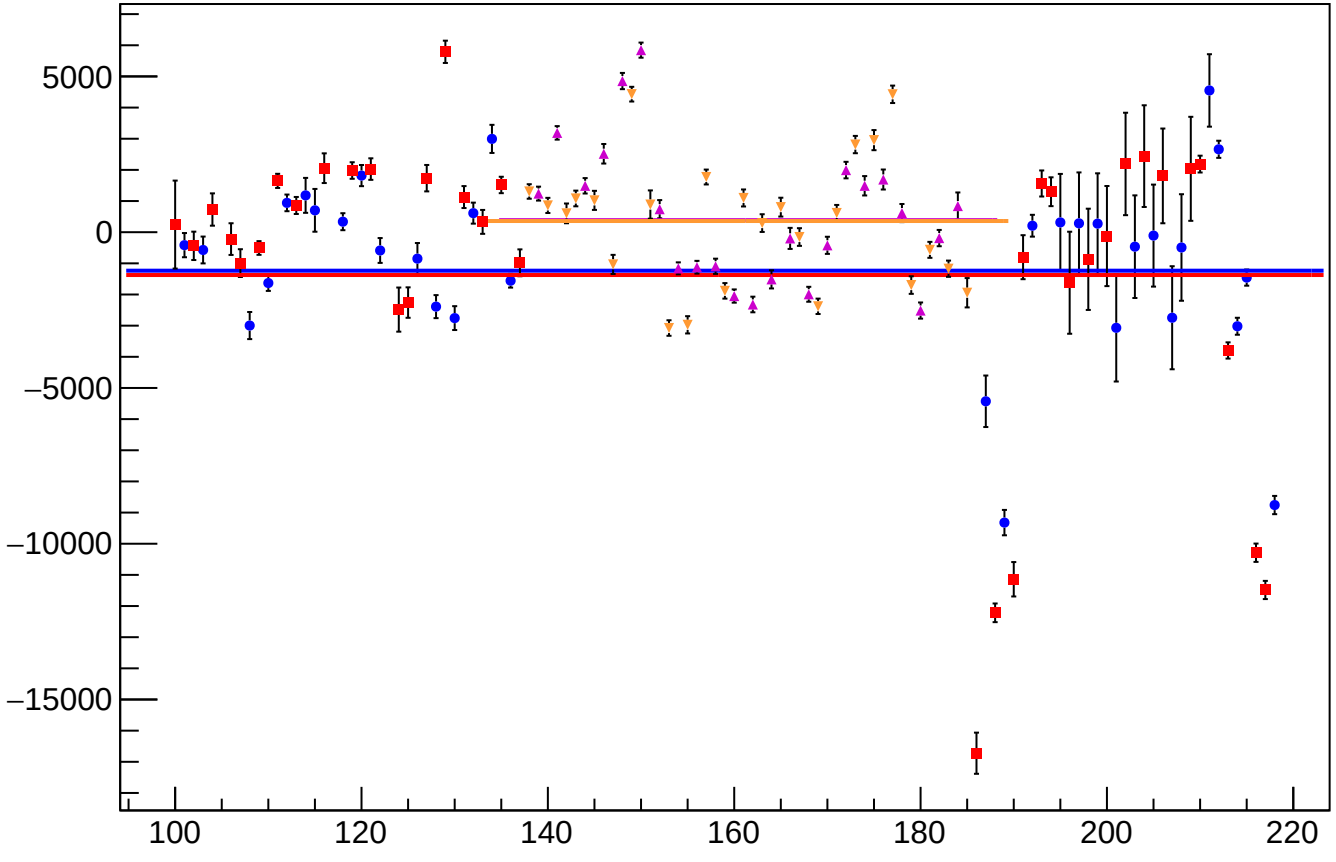
Left In: 200.031+/-0.034 χ^2/NDF:785525.4/22

+ sign 208.138+/-0.024 χ^2/NDF: 2385887.8/56

All: 203.363+/-0.017 χ^2/NDF: 5719903.0/115

- sign 198.850+/-0.023 χ^2/NDF: 3256875.7/58

asym_bpm0i07WS_mean vs Slug



Right In: -1235.447+/-69.731 χ^2/NDF: 1752.5/31

Left Out: 358.680+/-54.992 χ^2/NDF:1418.9/24

Right Out: -1374.849+/-65.072 χ^2/NDF: 5891.5/35

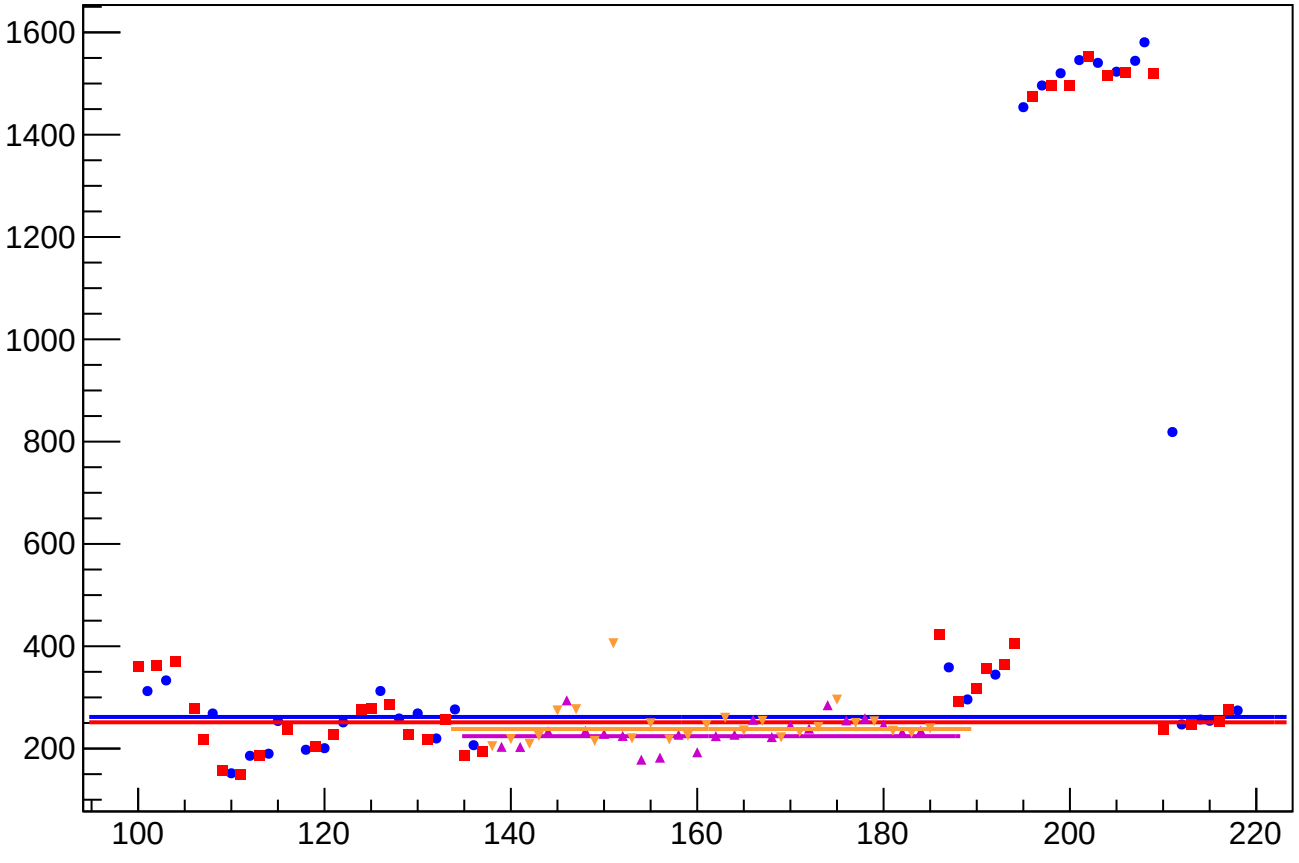
Left In: 386.941+/-53.528 χ^2/NDF:1804.2/22

+ sign -252.592+/-43.180 χ^2/NDF: 3493.6/56

All: -289.896+/-29.861 χ^2/NDF: 11627.8/115

- sign -324.087+/-41.339 χ^2/NDF: 8132.8/58

asym_bpm0i07WS_rms vs Slug



Right In: 261.801+/-0.049 χ^2/NDF: 11065076.7/31

Left Out: 238.199+/-0.039 χ^2/NDF:567935.3/24

Right Out: 251.365+/-0.046 χ^2/NDF: 10545575.5/35

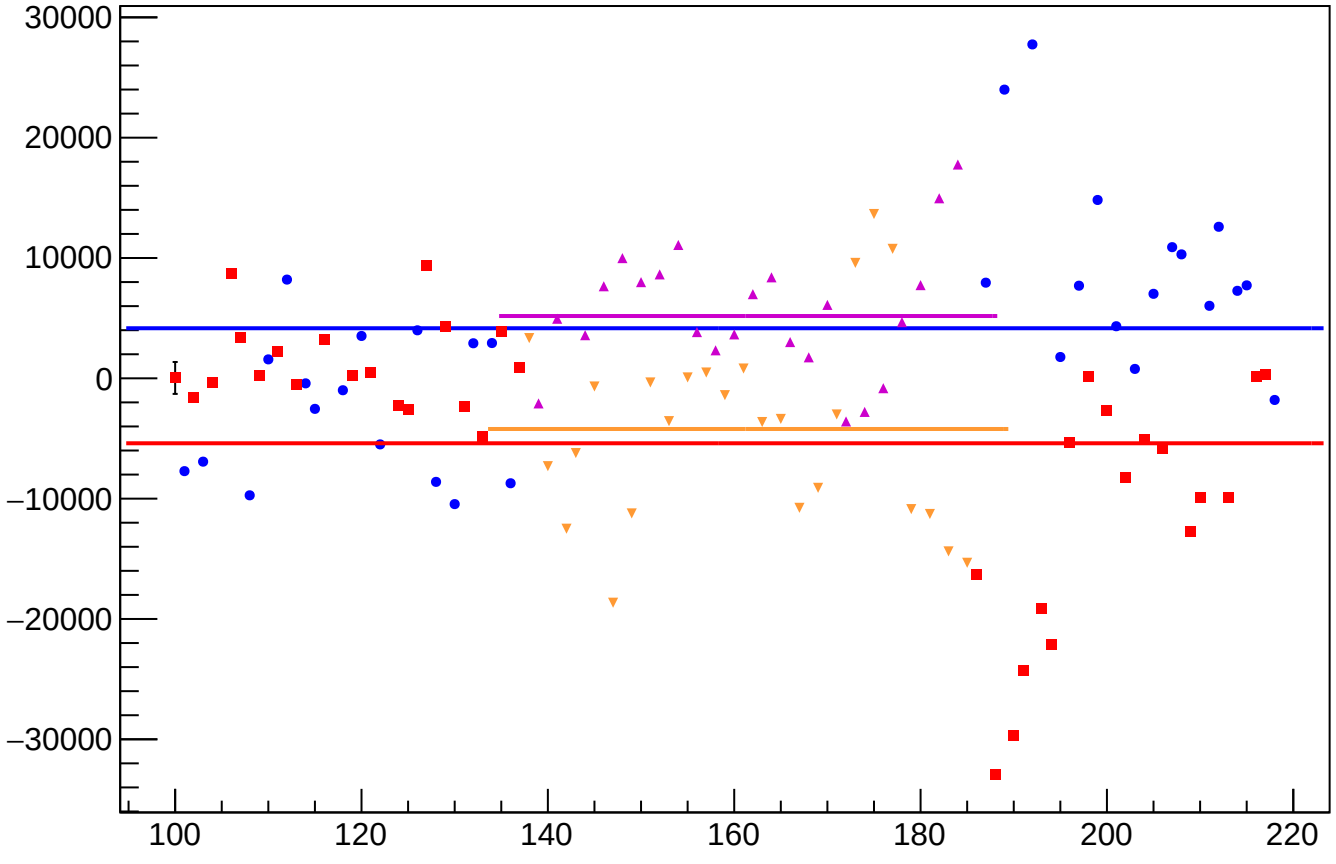
Left In: 224.212+/-0.038 χ^2/NDF:563231.1/22

+ sign 247.249+/-0.031 χ^2/NDF: 11774276.1/56

All: 240.947+/-0.021 χ^2/NDF: 23172443.9/11

- sign 235.171+/-0.029 χ^2/NDF: 11316511.2/58

asym_bpm1i02WS_mean vs Slug



Right In: 4162.195+/-32.329 χ^2/NDF: 82834.5/31

Left Out: -4210.601+/-30.828 χ^2/NDF:56802.7/24

Right Out: -5397.716+/-31.158 χ^2/NDF: 107251.7/35

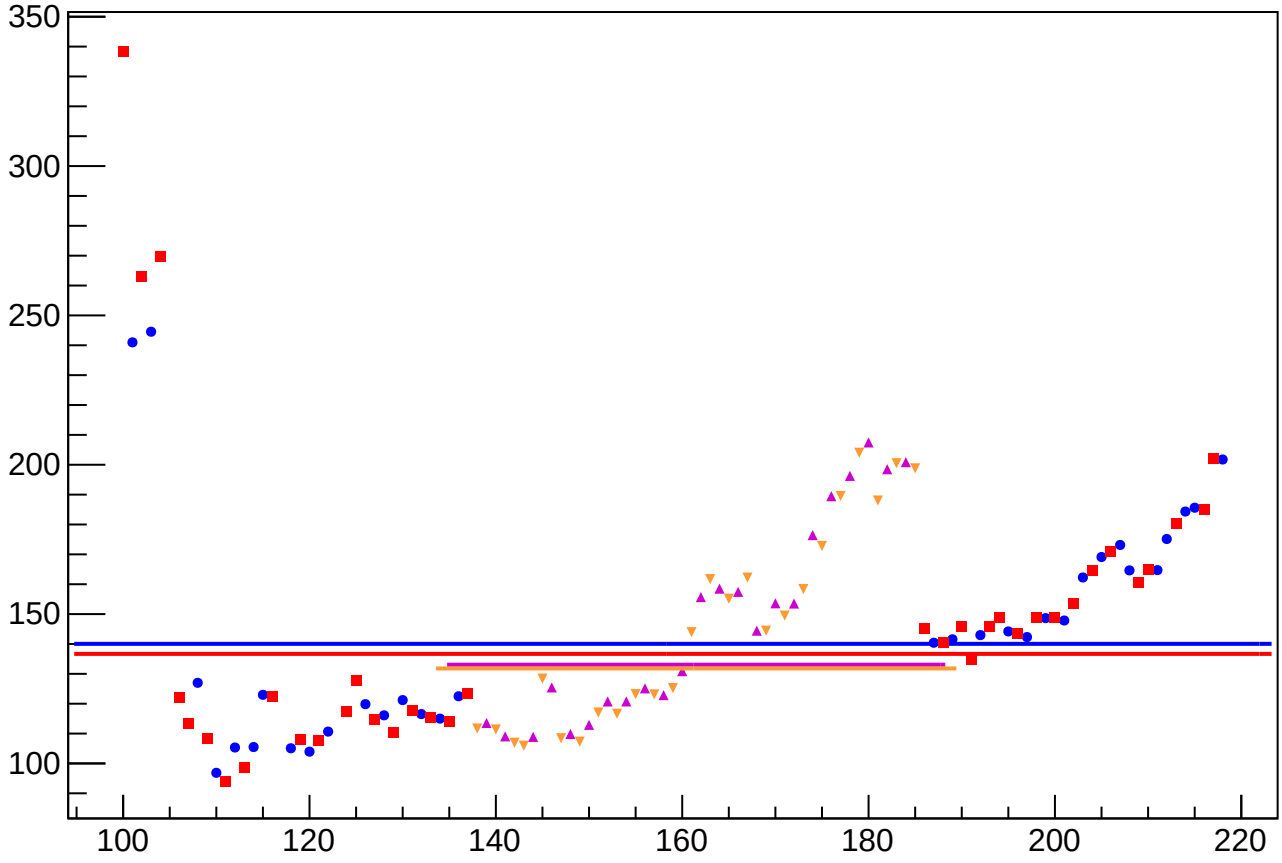
Left In: 5178.213+/-31.969 χ^2/NDF:18541.3/22

+ sign -223.071+/-22.311 χ^2/NDF: 174767.0/56

All: -234.402+/-15.777 χ^2/NDF: 356686.9/11

- sign -245.735+/-22.313 χ^2/NDF: 181919.4/58

asym_bpm1i02WS_rms vs Slug



Right In: 140.042+/-0.023 χ^2/NDF: 1834750.7/31

Left Out: 131.798+/-0.022 χ^2/NDF:1544340.3/24

Right Out: 136.679+/-0.022 χ^2/NDF: 1985478.4/35

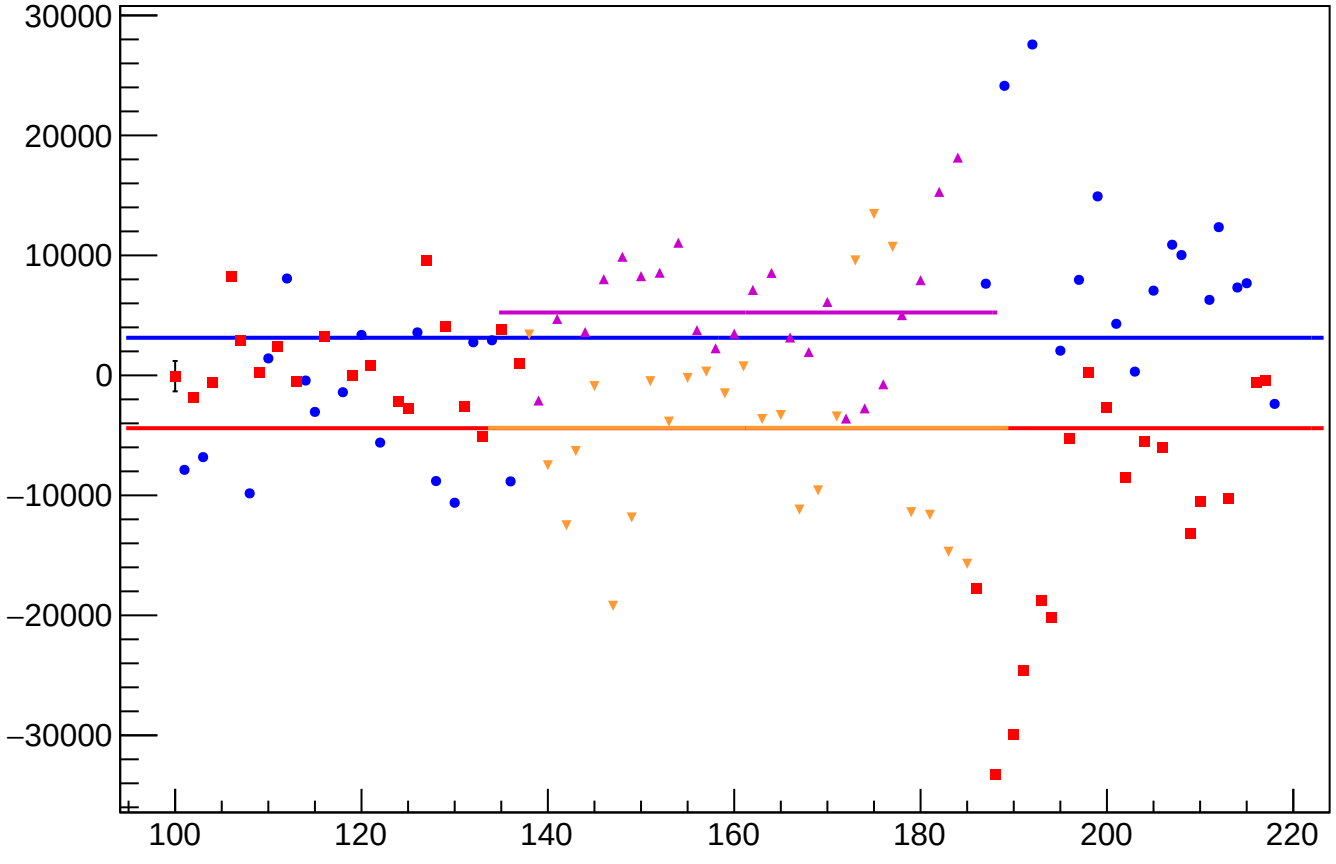
Left In: 133.061+/-0.023 χ^2/NDF:1418252.2/22

+ sign 135.724+/-0.016 χ^2/NDF: 3447216.9/56

All: 135.320+/-0.011 χ^2/NDF: 6865393.9/115

- sign 134.917+/-0.016 χ^2/NDF: 3416867.9/58

asym_bpm1i04WS_mean vs Slug



Right In: 3133.742+/-29.185 χ^2/NDF: 93681.7/31

Left Out: -4372.743+/-27.955 χ^2/NDF:67218.5/24

Right Out: -4402.264+/-28.247 χ^2/NDF: 117027.3/35

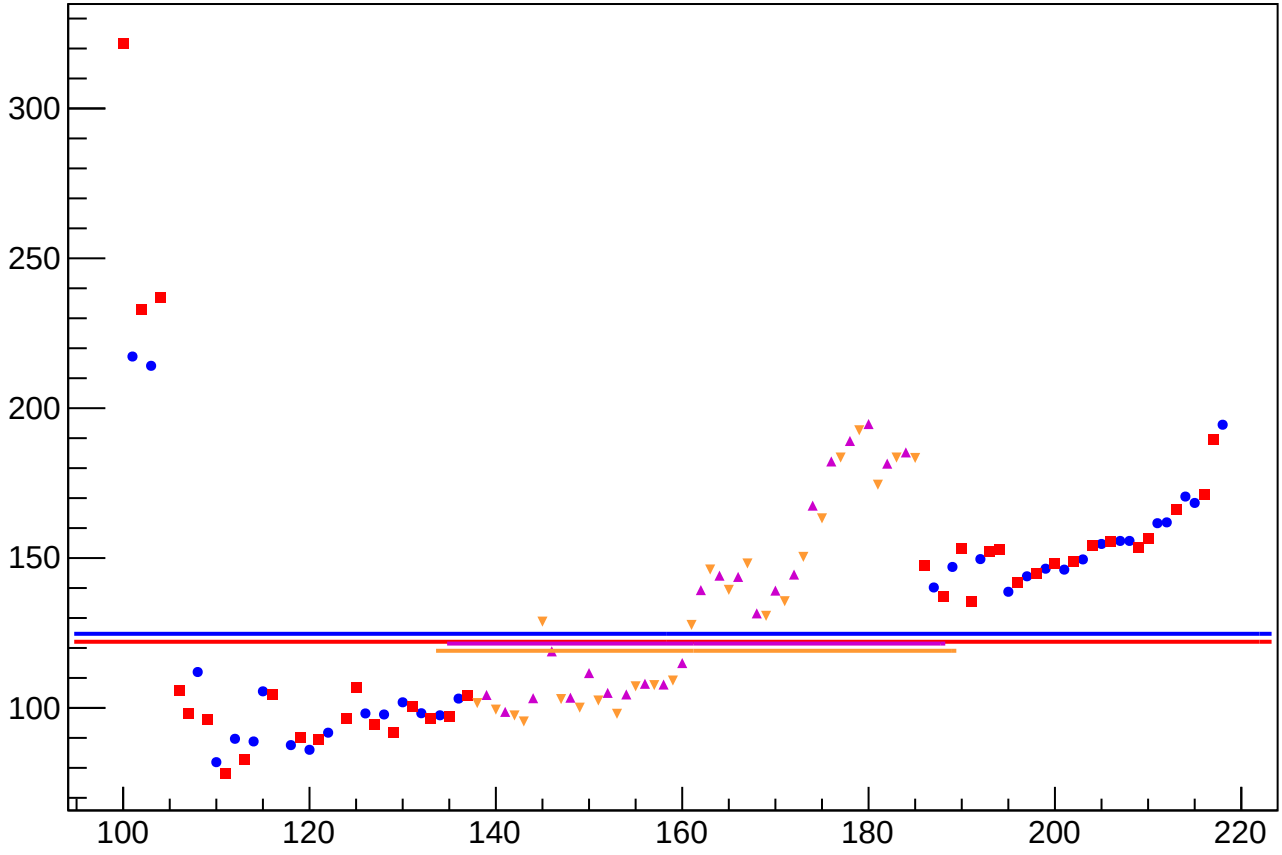
Left In: 5239.784+/-29.252 χ^2/NDF:22273.2/22

+ sign -780.944+/-20.188 χ^2/NDF: 195400.5/56

All: -268.665+/-14.321 χ^2/NDF: 392221.6/11

- sign 250.304+/-20.319 χ^2/NDF: 195524.9/58

asym_bpm1i04WS_rms vs Slug



Right In: 124.730+/-0.021 χ^2/NDF: 2702510.9/31

Left Out: 119.064+/-0.020 χ^2/NDF:1755428.3/24

Right Out: 122.073+/-0.020 χ^2/NDF: 2959085.4/35

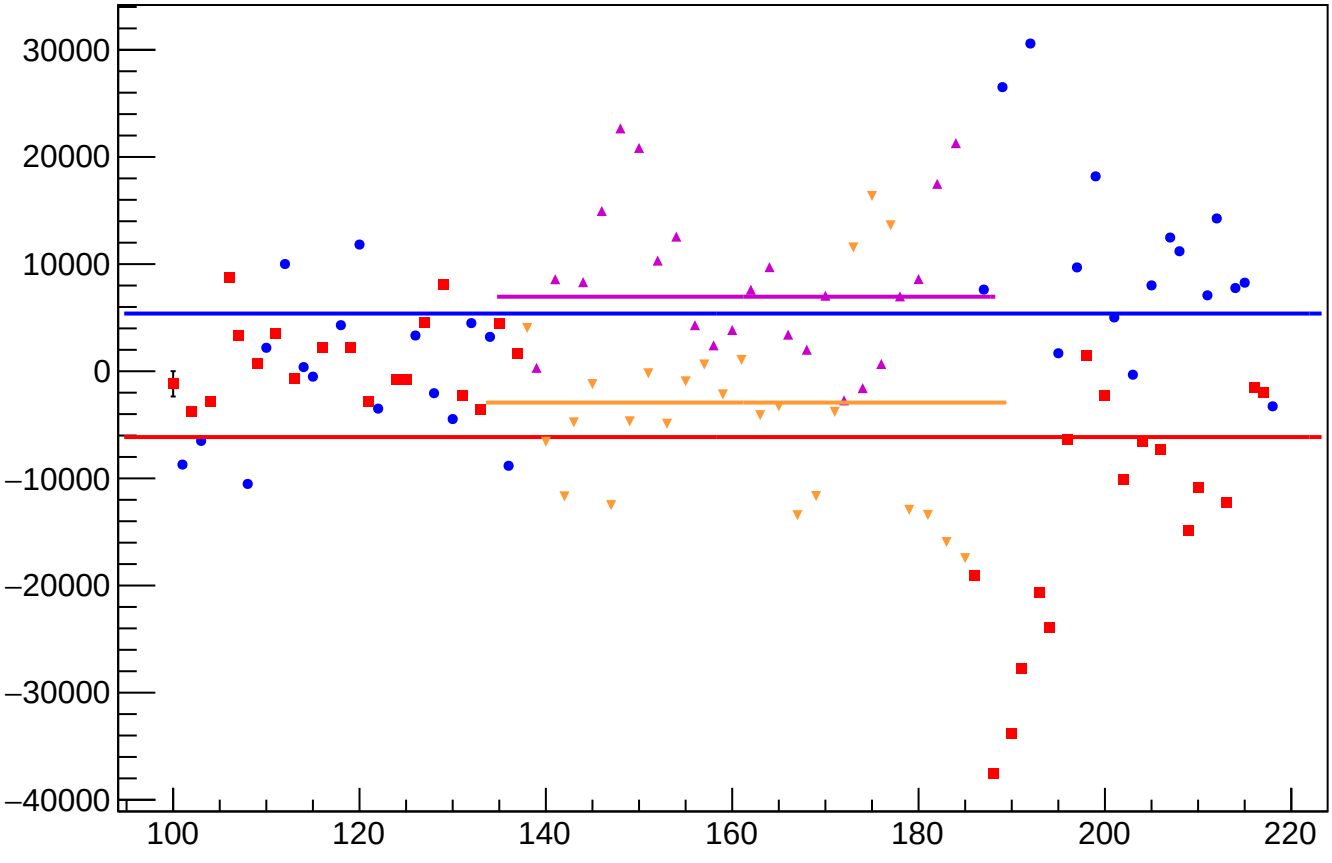
Left In: 121.468+/-0.021 χ^2/NDF:1529379.8/22

+ sign 121.775+/-0.014 χ^2/NDF: 4497247.4/56

All: 121.778+/-0.010 χ^2/NDF: 8986156.1/115

- sign 121.781+/-0.014 χ^2/NDF: 4488908.5/58

asym_bpm1i06WS_mean vs Slug



Right In: 5385.682+/-38.174 χ^2/NDF: 66195.5/31

Left Out: -2923.060+/-38.185 χ^2/NDF:38052.4/24

Right Out: -6142.165+/-37.031 χ^2/NDF: 96061.5/35

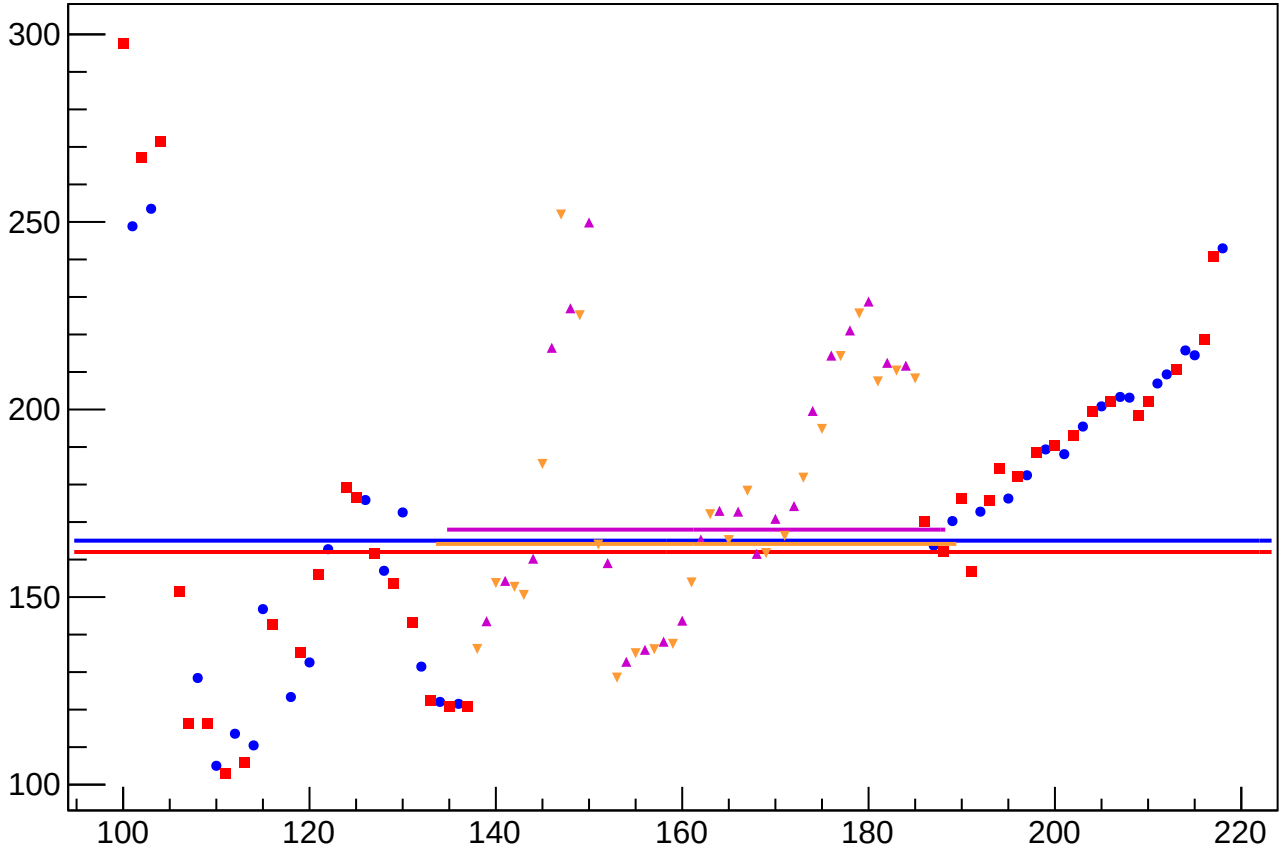
Left In: 6956.884+/-40.245 χ^2/NDF:22339.0/22

+ sign 1232.451+/-26.997 χ^2/NDF: 127927.7/56

All: 554.350+/-19.179 χ^2/NDF: 304970.1/115

- sign -136.532+/-27.250 χ^2/NDF: 175768.7/58

asym_bpm1i06WS_rms vs Slug



Right In: 165.041+/-0.027 χ^2/NDF: 2188154.6/31

Left Out: 164.172+/-0.027 χ^2/NDF:1224405.6/24

Right Out: 162.016+/-0.026 χ^2/NDF: 2304470.3/35

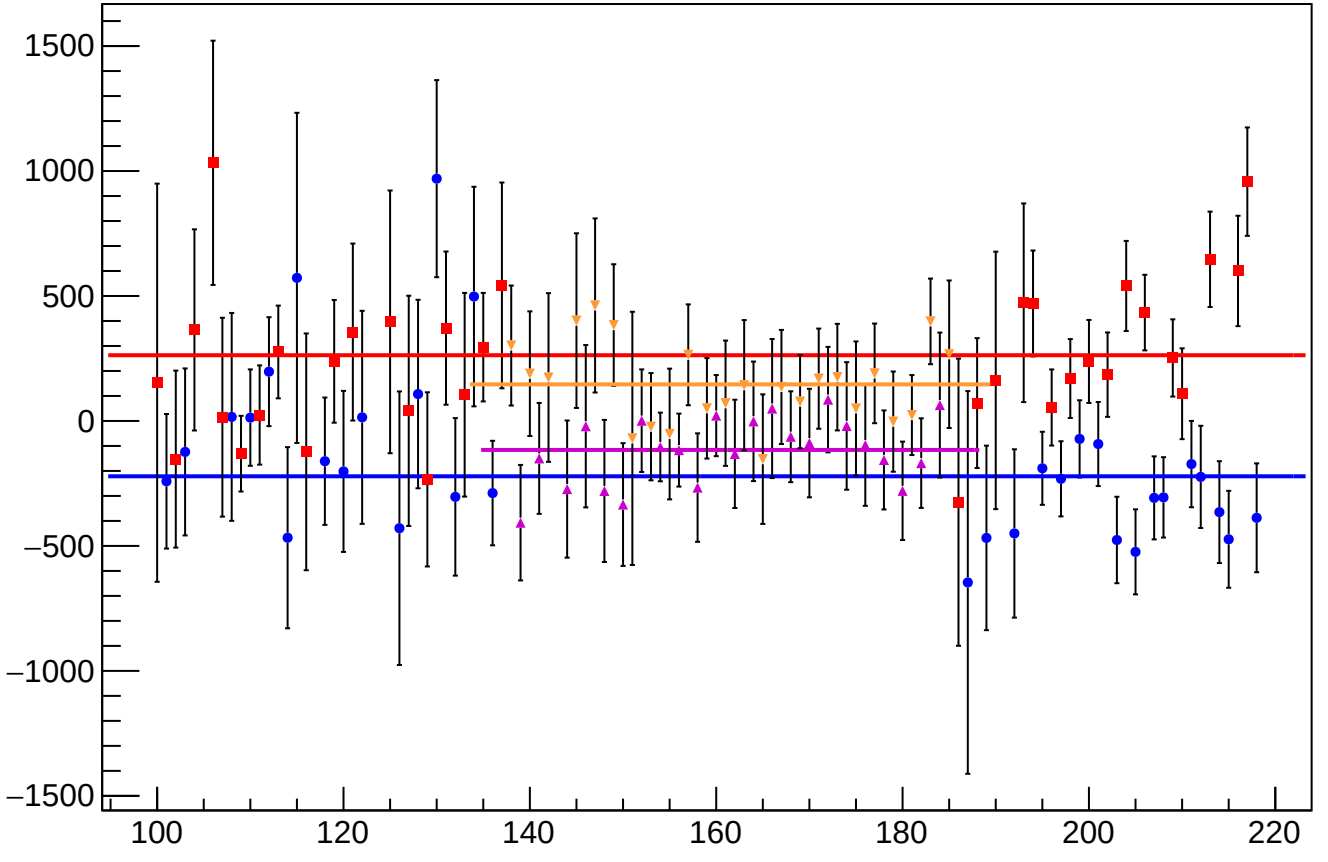
Left In: 167.975+/-0.028 χ^2/NDF:1222745.4/22

+ sign 164.607+/-0.019 χ^2/NDF: 3413078.1/56

All: 164.677+/-0.014 χ^2/NDF: 6964063.7/115

- sign 164.748+/-0.019 χ^2/NDF: 3550958.4/58

asym_bcm_2an_us_an_ds_avg_mean vs Slug



Right In: -221.397+/-39.836 χ^2/NDF: 32.3/31

Left Out: 146.352+/-46.929 χ^2/NDF:10.0/23

Right Out: 263.072+/-39.701 χ^2/NDF: 42.7/33

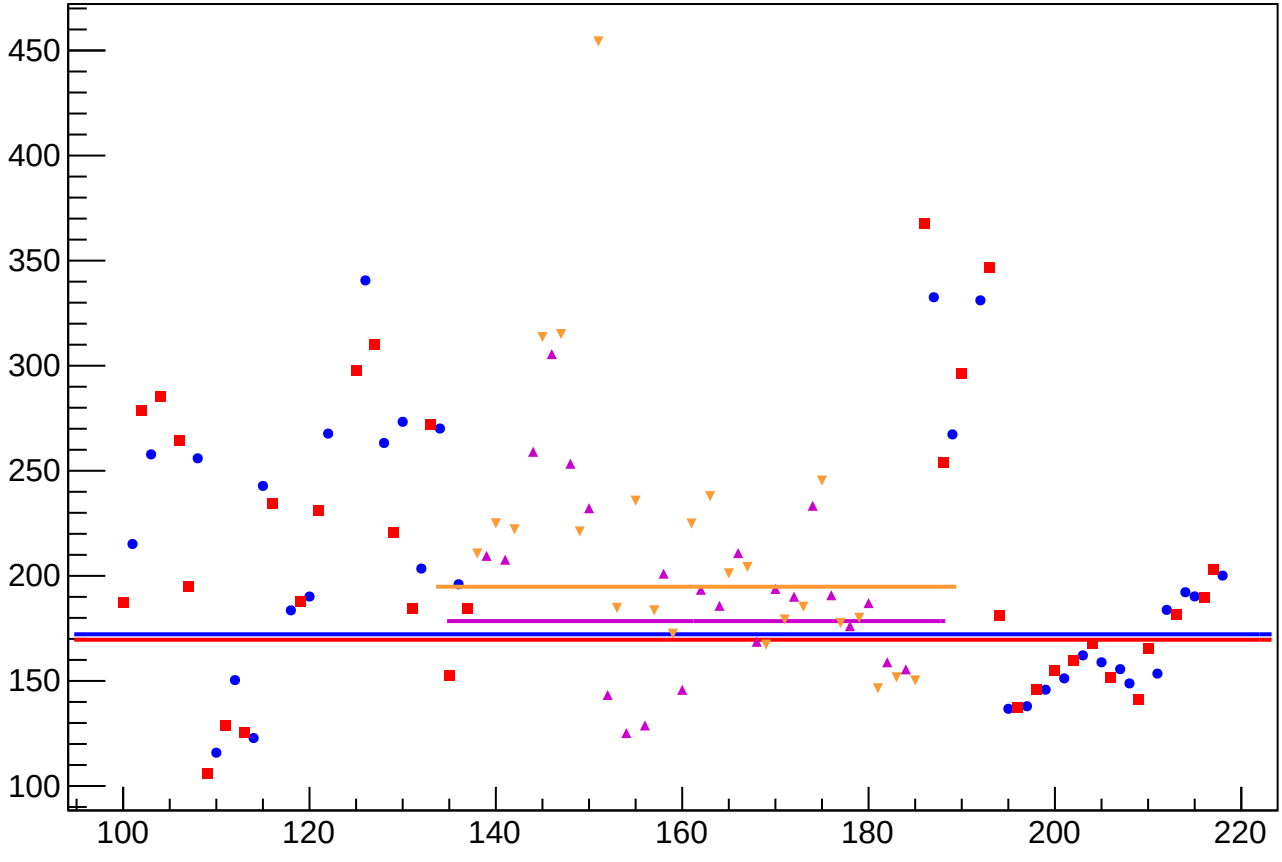
Left In: -115.974+/-43.605 χ^2/NDF:7.6/22

+ sign -67.385+/-30.370 χ^2/NDF: 77.9/55

All: 14.635+/-21.107 χ^2/NDF: 183.7/112

- sign 91.272+/-29.356 χ^2/NDF: 91.7/56

asym_bcm_2an_us_an_ds_avg_rms vs Slug



Right In: 172.201+/-0.028 χ^2/NDF: 2364448.1/31

Left Out: 194.828+/-0.033 χ^2/NDF:1752475.1/23

Right Out: 169.602+/-0.028 χ^2/NDF: 2891853.6/33

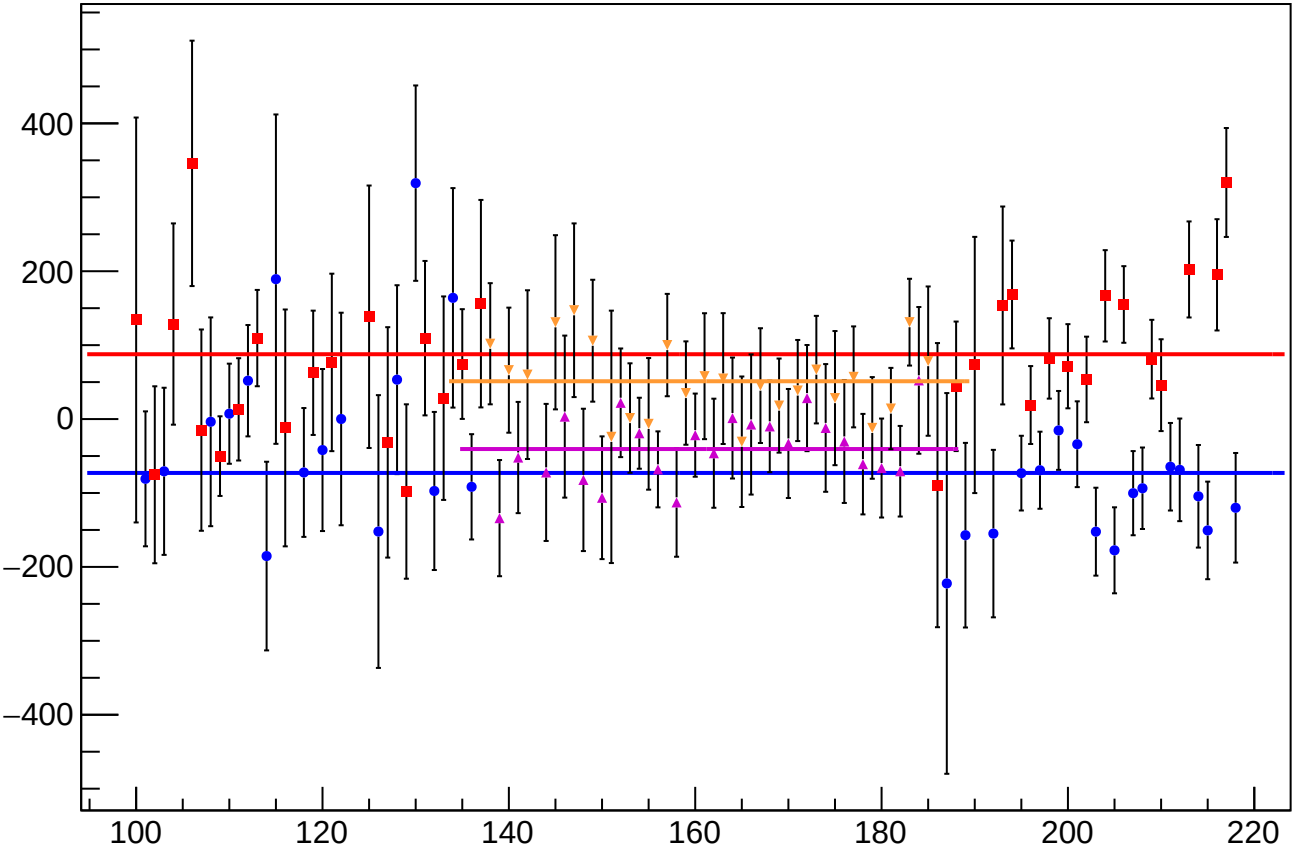
Left In: 178.475+/-0.031 χ^2/NDF:1676266.4/22

\+ sign 181.677+/-0.021 χ^2/NDF: 4387170.2/55

All: 177.514+/-0.015 χ^2/NDF: 9073279.7/112

\- sign 173.624+/-0.021 χ^2/NDF: 4613404.6/56

asym_bcm_2an_us_an_ds_dd_mean vs Slug



Right In: -72.870+/-13.662 χ^2/NDF: 29.9/31

Left Out: 51.161+/-16.037 χ^2/NDF:8.1/23

Right Out: 87.708+/-13.644 χ^2/NDF: 40.5/33

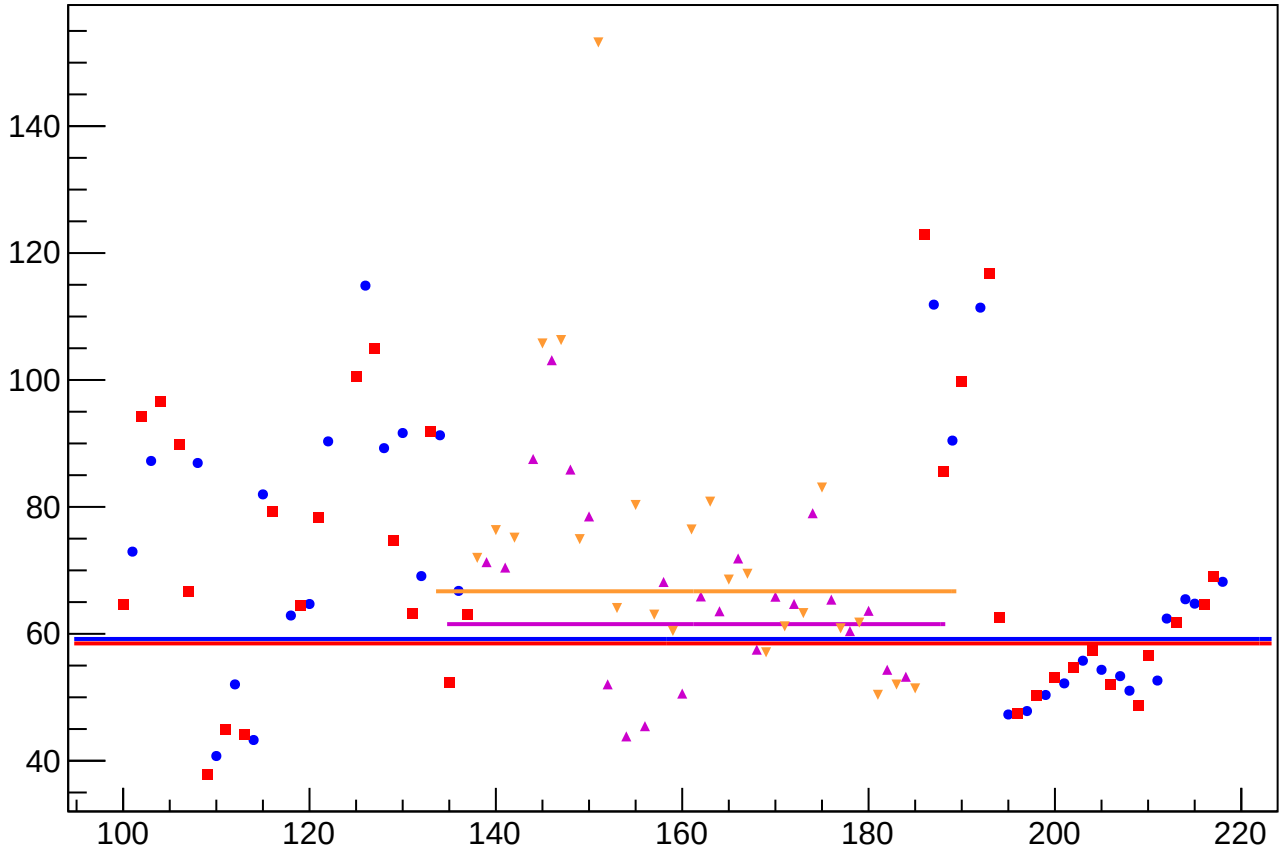
Left In: -40.540+/-14.978 χ^2/NDF:7.9/22

+ sign -20.712+/-10.400 χ^2/NDF: 72.6/55

All: 5.188+/-7.240 χ^2/NDF: 173.1/112

- sign 29.549+/-10.086 χ^2/NDF: 88.4/56

asym_bcm_2an_us_an_ds_dd_rms vs Slug



Right In: 59.193+/-0.010 χ^2/NDF: 2211001.9/31

Left Out: 66.703+/-0.011 χ^2/NDF:1676329.9/23

Right Out: 58.490+/-0.010 χ^2/NDF: 2682998.2/33

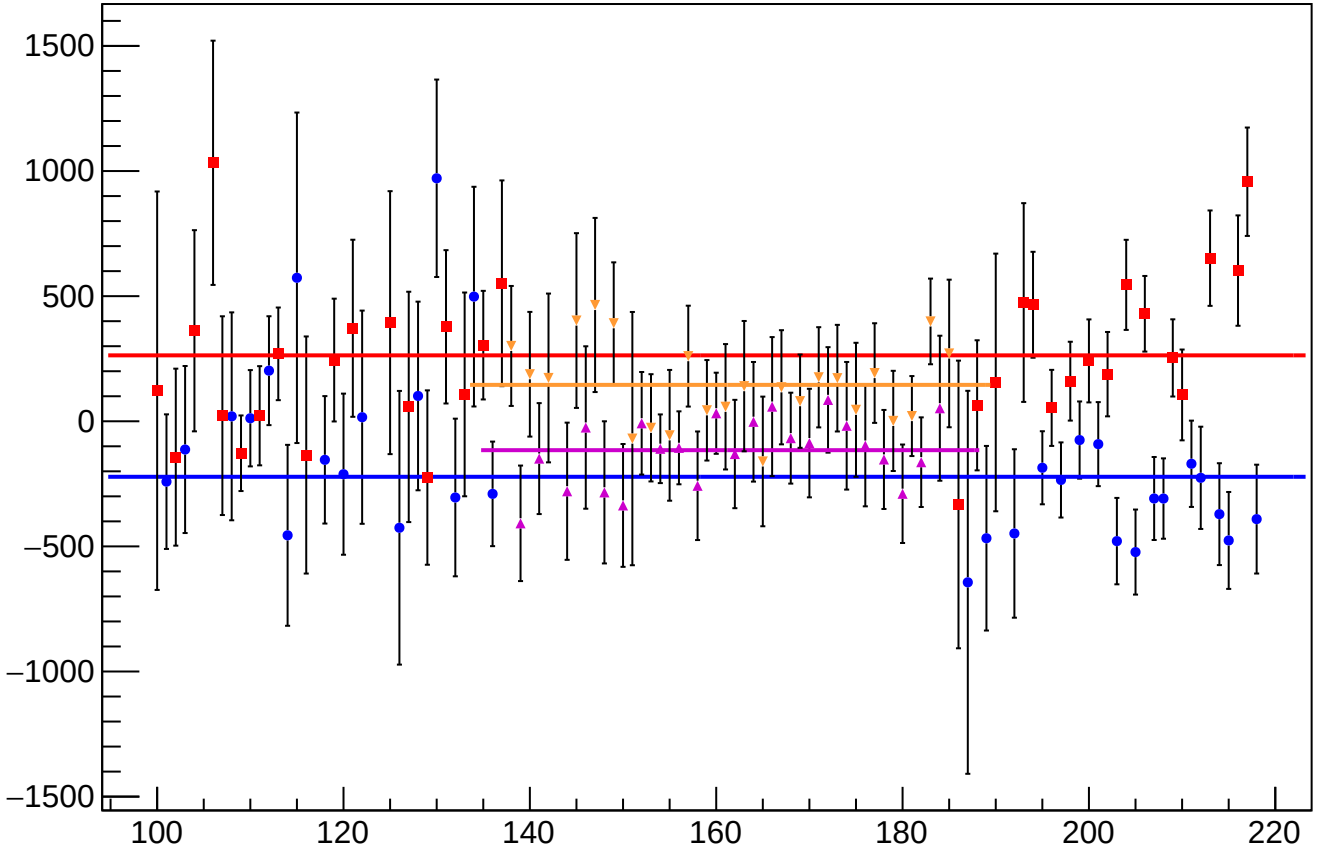
Left In: 61.529+/-0.011 χ^2/NDF:1489848.4/22

+ sign 62.351+/-0.007 χ^2/NDF: 4141453.7/55

All: 61.072+/-0.005 χ^2/NDF: 8418087.2/112

- sign 59.868+/-0.007 χ^2/NDF: 4217854.0/56

asym_bcm_an_us_an_ds_avg_mean vs Slug



Right In: -221.854+/-39.786 χ^2/NDF: 32.5/31

Left Out: 145.476+/-46.889 χ^2/NDF:10.2/23

Right Out: 263.428+/-39.651 χ^2/NDF: 43.0/33

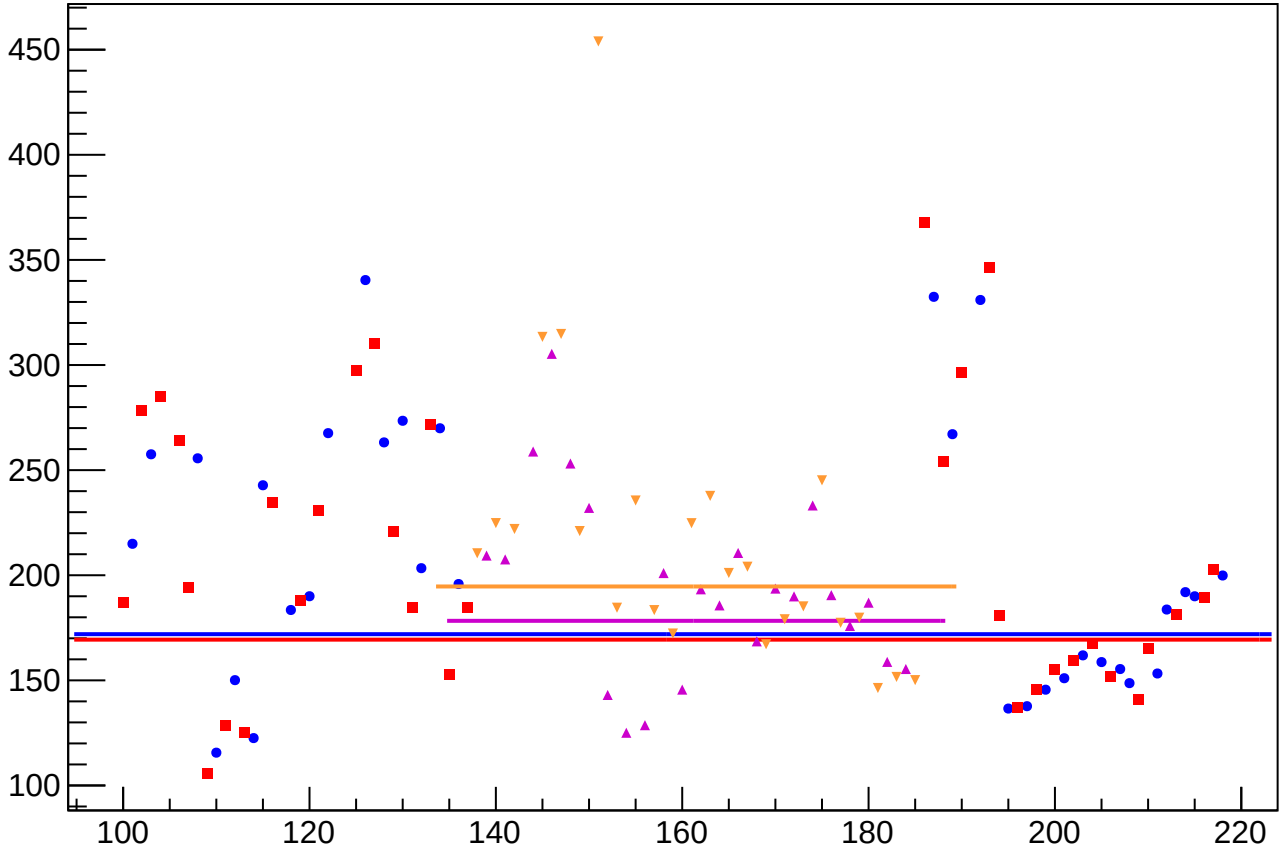
Left In: -115.487+/-43.568 χ^2/NDF:7.8/22

+ sign -68.091+/-30.337 χ^2/NDF: 78.4/55

All: 14.548+/-21.084 χ^2/NDF: 184.9/112

- sign 91.766+/-29.325 χ^2/NDF: 92.1/56

asym_bcm_an_us_an_ds_avg_rms vs Slug



Right In: 171.968+/-0.028 χ^2/NDF: 2371091.2/31

Left Out: 194.659+/-0.033 χ^2/NDF:1753119.9/23

Right Out: 169.367+/-0.028 χ^2/NDF: 2900470.4/33

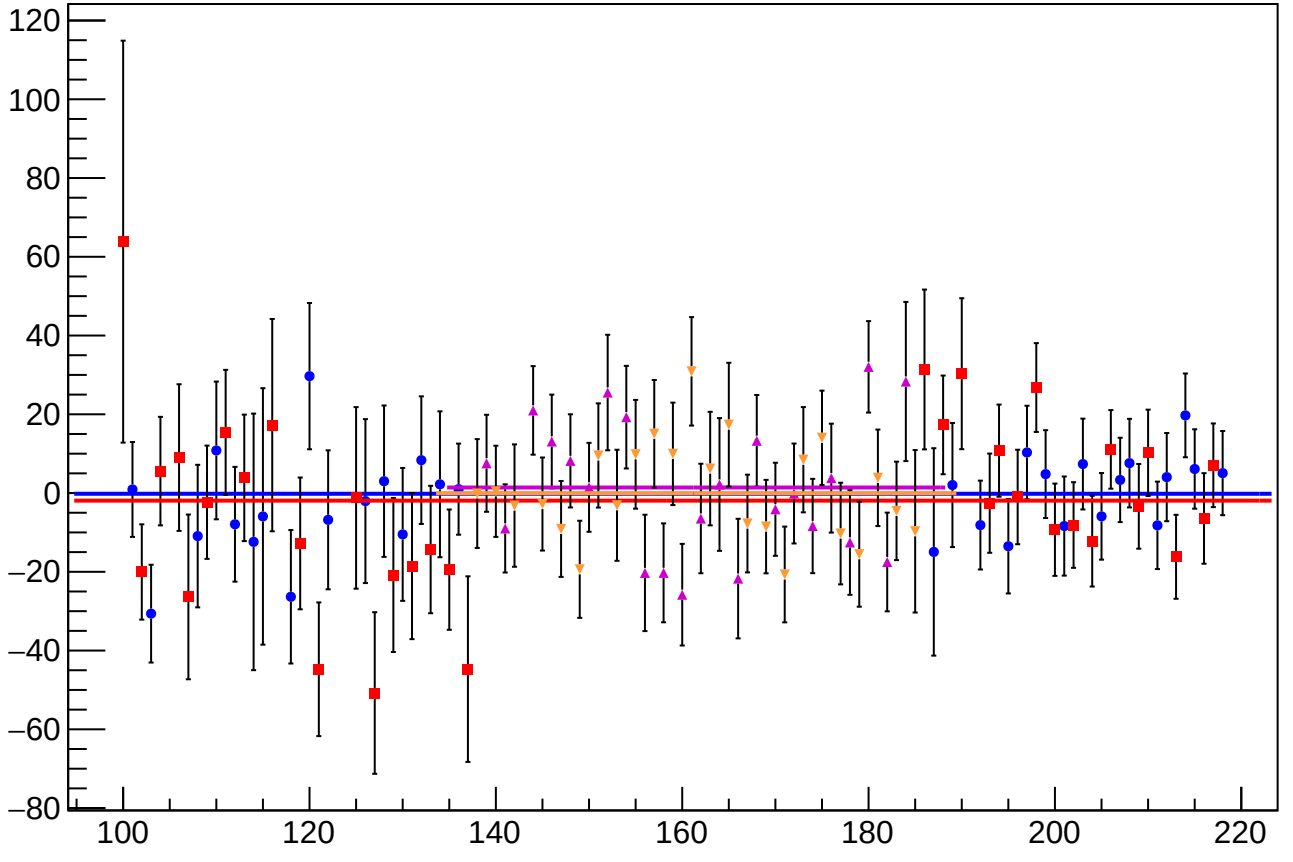
Left In: 178.318+/-0.031 χ^2/NDF:1678336.4/22

+ sign 181.466+/-0.021 χ^2/NDF: 4396535.4/55

All: 177.308+/-0.015 χ^2/NDF: 9094205.9/112

- sign 173.422+/-0.021 χ^2/NDF: 4624976.1/56

asym_bcm_an_us_an_ds_dd_mean vs Slug



Right In: -0.182+/-2.382 χ^2/NDF: 22.6/31

Left Out: -0.047+/-2.685 χ^2/NDF:20.5/23

Right Out: -1.923+/-2.398 χ^2/NDF: 49.8/33

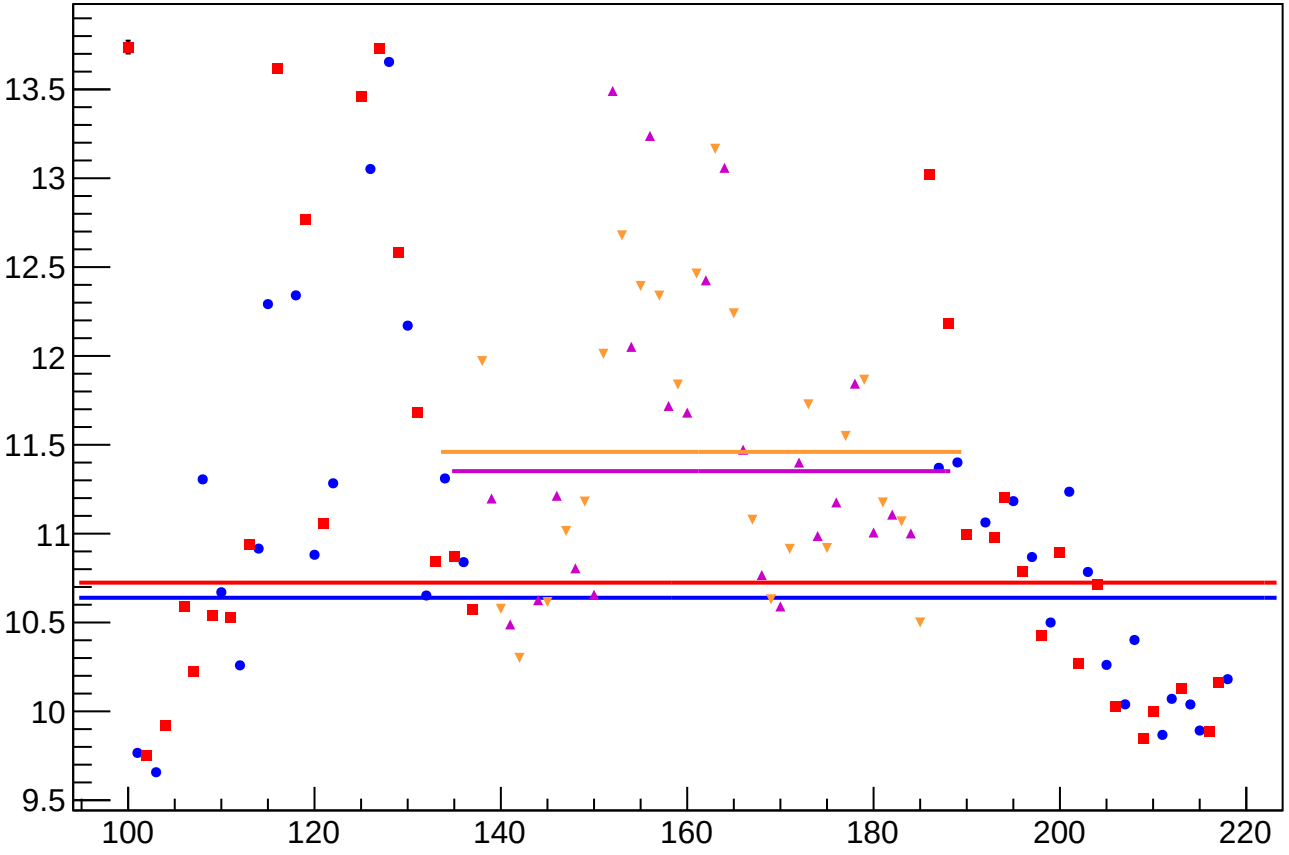
Left In: 1.407+/-2.674 χ^2/NDF:36.3/22

+ sign -0.122+/-1.782 χ^2/NDF: 43.1/55

All: -0.280+/-1.261 χ^2/NDF: 130.1/112

- sign -0.438+/-1.785 χ^2/NDF: 87.0/56

asym_bcm_an_us_an_ds_dd_rms vs Slug



Right In: 10.639+/-0.002 χ^2/NDF: 215720.5/31

Left Out: 11.460+/-0.002 χ^2/NDF:150430.0/23

Right Out: 10.724+/-0.002 χ^2/NDF: 294627.0/33

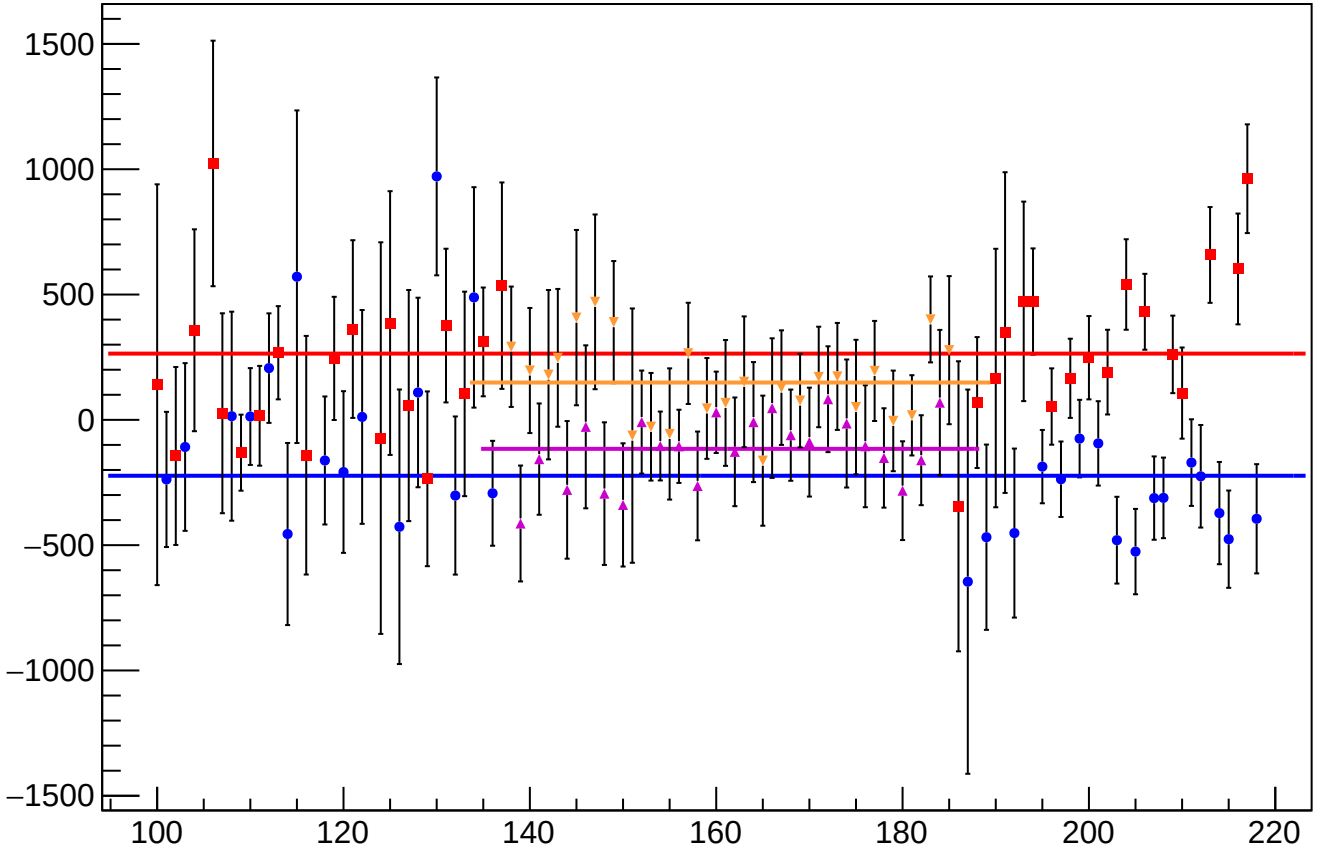
Left In: 11.352+/-0.002 χ^2/NDF:170563.6/22

+ sign 11.001+/-0.001 χ^2/NDF: 470779.0/55

All: 11.002+/-0.001 χ^2/NDF: 996984.7/112

- sign 11.004+/-0.001 χ^2/NDF: 526202.1/56

asym_bcm_an_us_an_ds3_avg_mean vs Slug



Right In: -223.061+/-39.885 χ^2/NDF: 32.5/31

Left Out: 148.905+/-46.306 χ^2/NDF:10.5/24

Right Out: 264.321+/-39.629 χ^2/NDF: 43.3/35

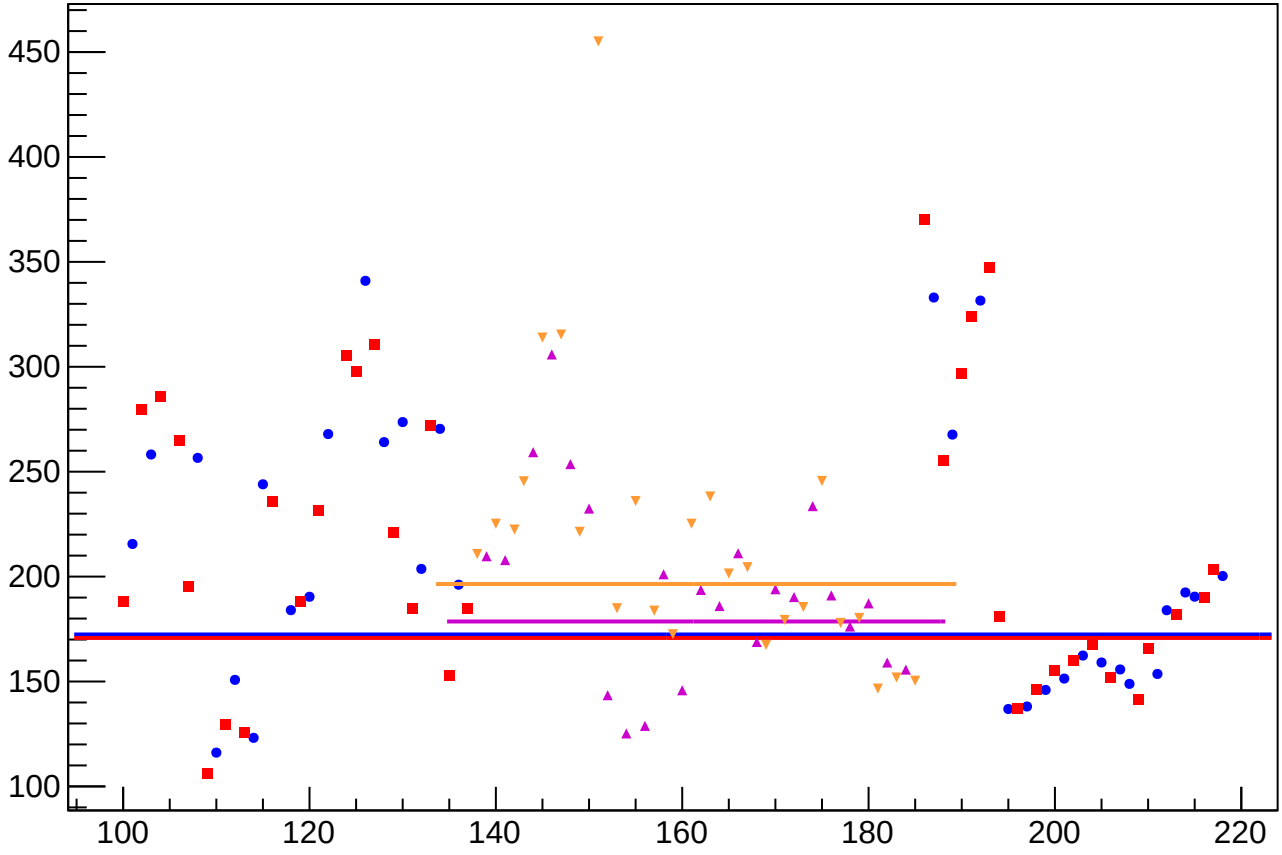
Left In: -115.709+/-43.641 χ^2/NDF:7.8/22

+ sign -64.638+/-30.220 χ^2/NDF: 80.1/56

All: 16.296+/-21.050 χ^2/NDF: 186.6/115

- sign 92.573+/-29.338 χ^2/NDF: 92.6/58

asym_bcm_an_us_an_ds3_avg_rms vs Slug



Right In: 172.407+/-0.028 χ^2/NDF: 2366105.2/31

Left Out: 196.454+/-0.033 χ^2/NDF:1818746.1/24

Right Out: 170.764+/-0.028 χ^2/NDF: 3072484.6/35

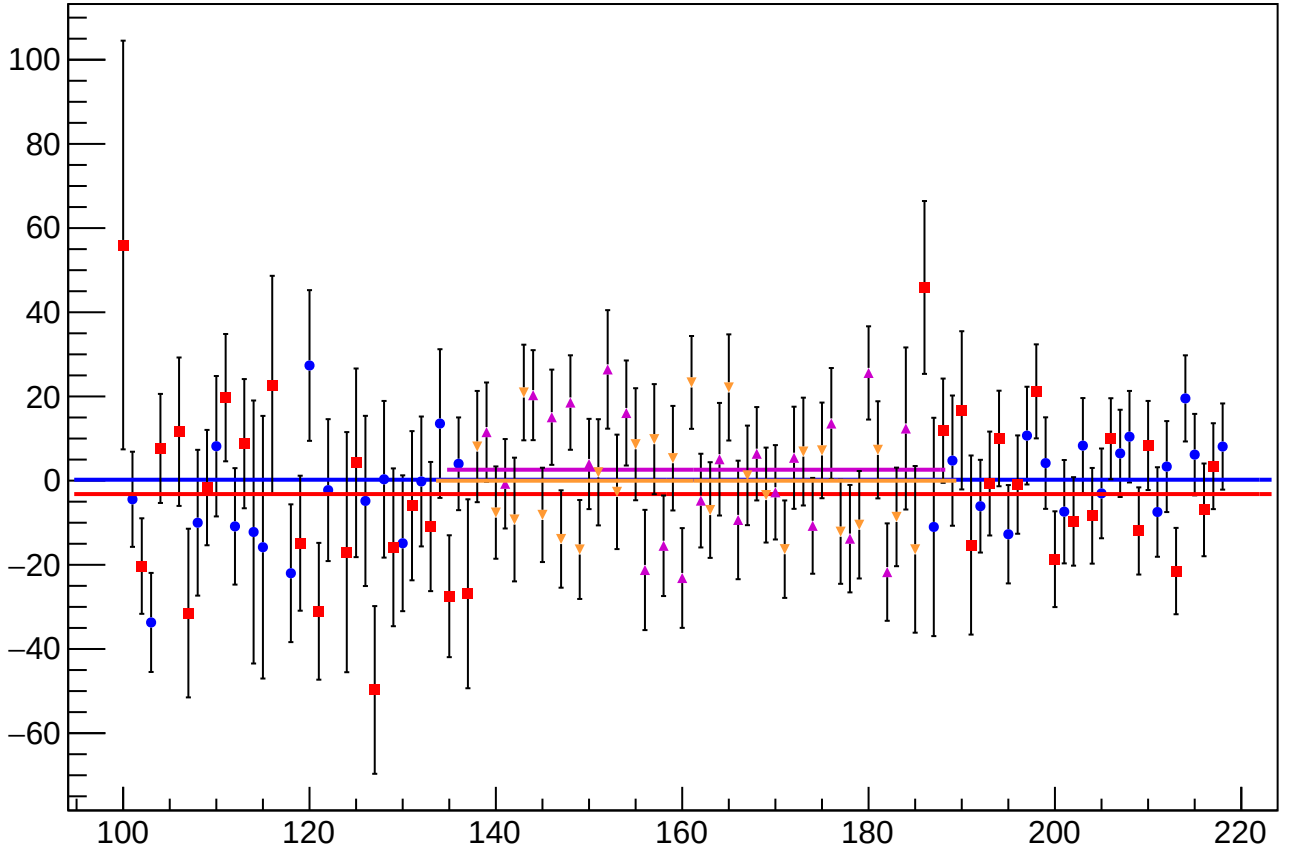
Left In: 178.614+/-0.031 χ^2/NDF:1678859.8/22

+ sign 182.649+/-0.021 χ^2/NDF: 4494503.1/56

All: 178.357+/-0.015 χ^2/NDF: 9359676.3/115

- sign 174.312+/-0.021 χ^2/NDF: 4786809.8/58

asym_bcm_an_us_an_ds3_dd_mean vs Slug



Right In: 0.214+/-2.296 χ^2/NDF: 26.1/31

Left Out: -0.018+/-2.445 χ^2/NDF:23.7/24

Right Out: -3.194+/-2.293 χ^2/NDF: 49.7/35

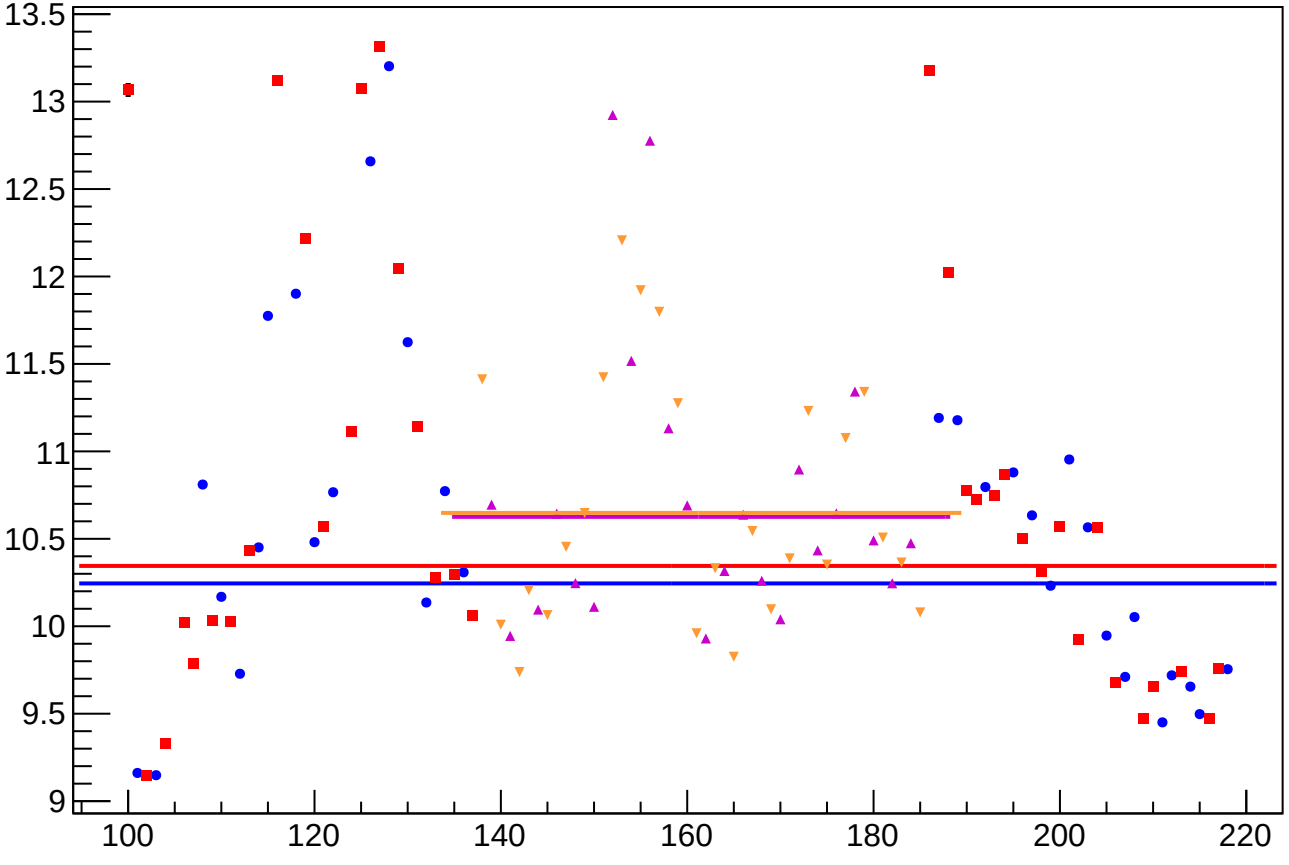
Left In: 2.591+/-2.506 χ^2/NDF:34.8/22

+ sign 0.105+/-1.674 χ^2/NDF: 49.8/56

All: -0.223+/-1.190 χ^2/NDF: 137.3/115

- sign -0.558+/-1.692 χ^2/NDF: 87.4/58

asym_bcm_an_us_an_ds3_dd_rms vs Slug



Right In: 10.245+/-0.002 χ^2/NDF: 241862.1/31

Left Out: 10.648+/-0.002 χ^2/NDF:143535.9/24

Right Out: 10.345+/-0.002 χ^2/NDF: 338487.8/35

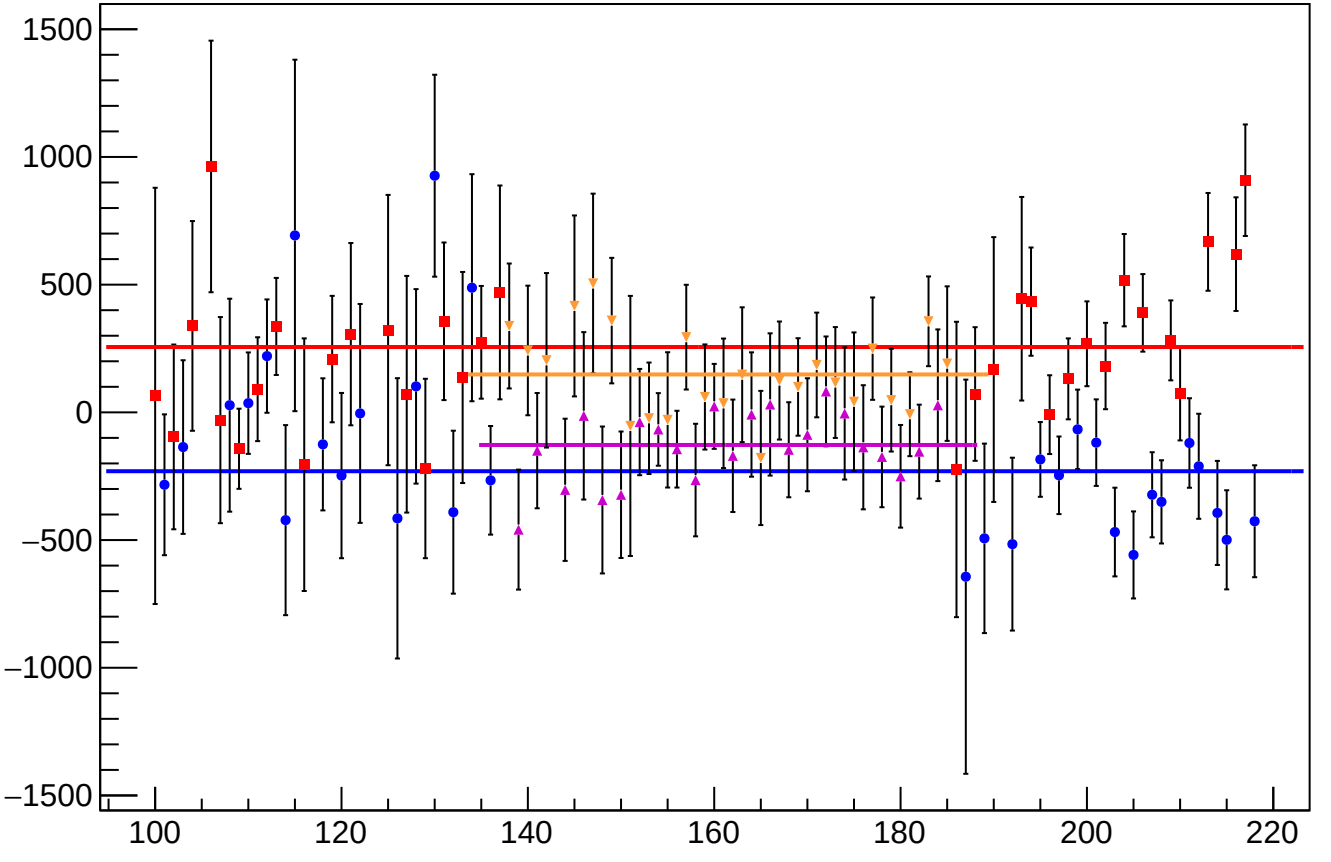
Left In: 10.626+/-0.002 χ^2/NDF:159543.1/22

+ sign 10.434+/-0.001 χ^2/NDF: 414333.3/56

All: 10.453+/-0.001 χ^2/NDF: 926555.7/115

- sign 10.473+/-0.001 χ^2/NDF: 511684.8/58

asym_bcm_dg_us_dg_ds_avg_mean vs Slug



Right In: -230.479+/-40.193 χ^2/NDF: 34.6/31

Left Out: 148.441+/-47.720 χ^2/NDF:9.9/23

Right Out: 255.818+/-40.111 χ^2/NDF: 40.4/33

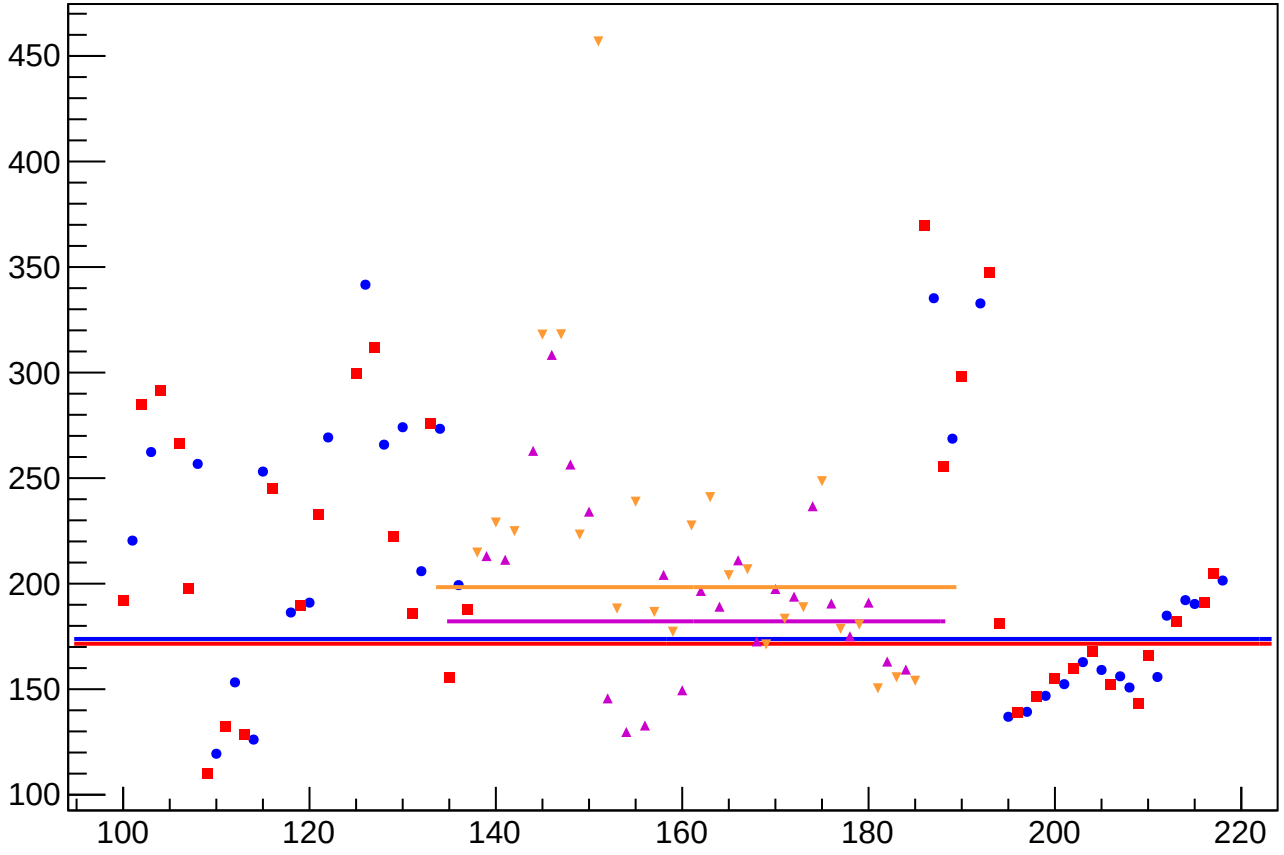
Left In: -127.710+/-44.426 χ^2/NDF:7.8/22

+ sign -73.227+/-30.742 χ^2/NDF: 81.4/55

All: 7.689+/-21.387 χ^2/NDF: 184.1/112

- sign 83.580+/-29.772 χ^2/NDF: 89.3/56

asym_bcm_dg_us_dg_ds_avg_rms vs Slug



Right In: 173.804+/-0.028 χ^2/NDF: 2347149.8/31

Left Out: 198.351+/-0.034 χ^2/NDF:1697058.2/23

Right Out: 171.544+/-0.028 χ^2/NDF: 2830207.2/33

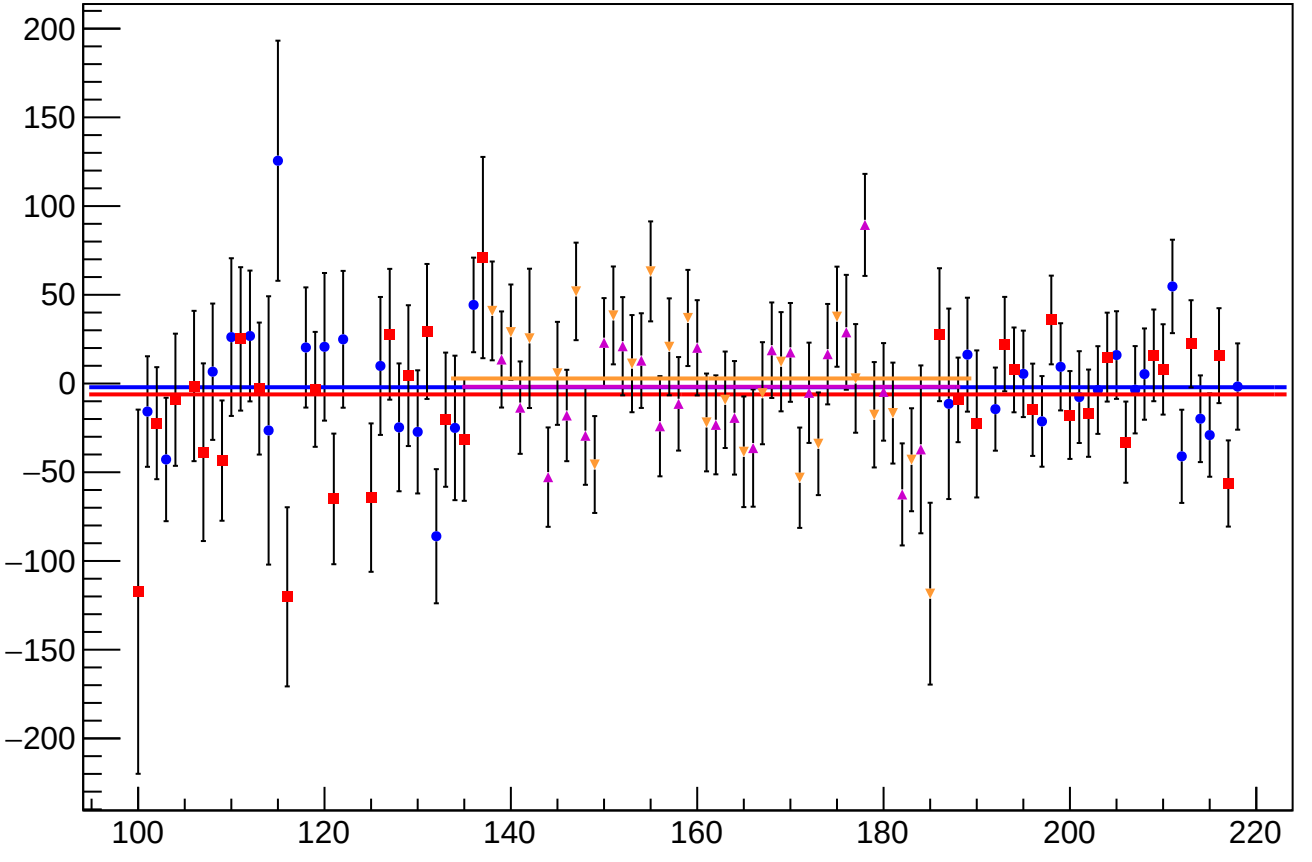
Left In: 182.150+/-0.031 χ^2/NDF:1584358.1/22

\+ sign 183.991+/-0.022 χ^2/NDF: 4353791.4/55

All: 180.026+/-0.015 χ^2/NDF: 8895636.1/112

\- sign 176.307+/-0.021 χ^2/NDF: 4477363.1/56

asym_bcm_dg_us_dg_ds_dd_mean vs Slug



Right In: -2.090+/-5.323 χ^2/NDF: 27.7/31

Left Out: 2.851+/-5.904 χ^2/NDF:36.9/23

Right Out: -6.128+/-5.313 χ^2/NDF: 32.8/33

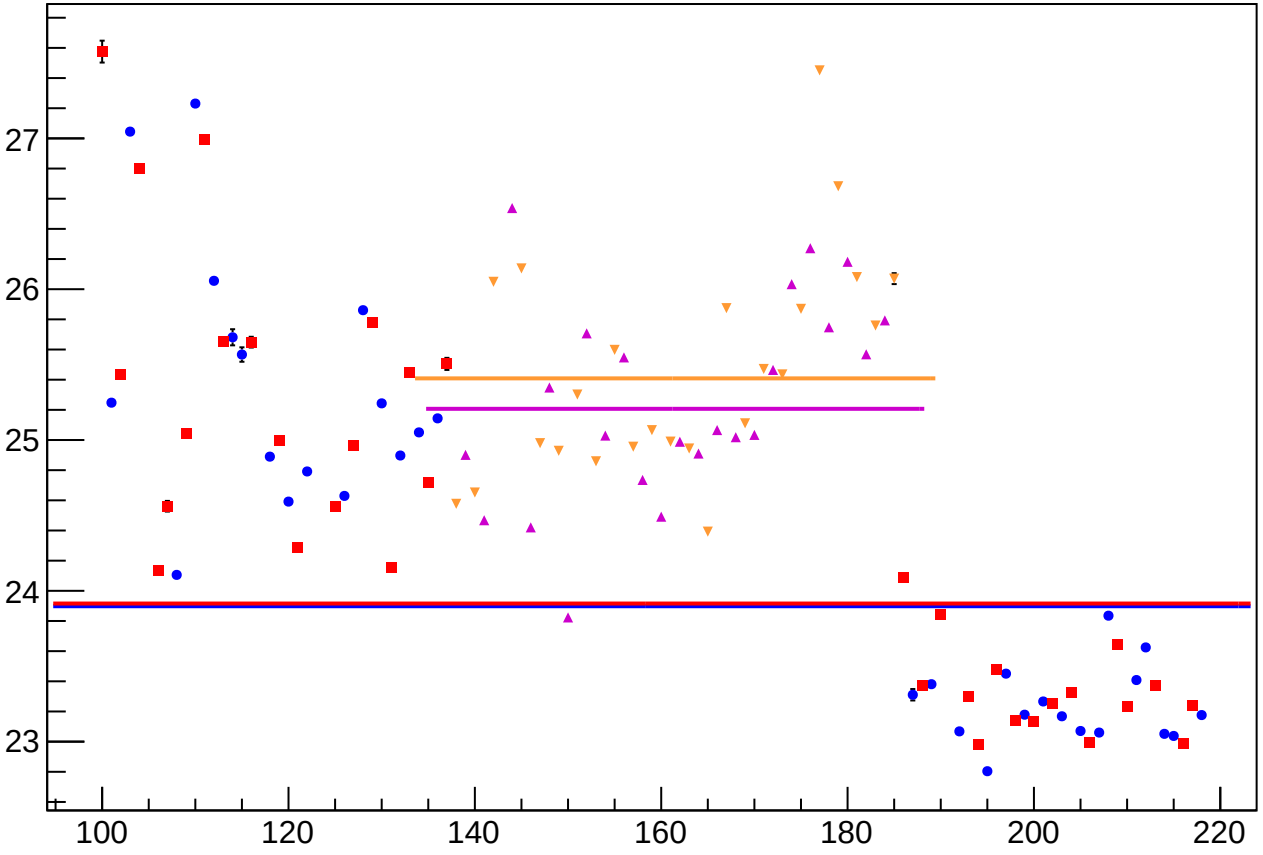
Left In: -1.850+/-5.893 χ^2/NDF:28.1/22

+ sign 0.126+/-3.954 χ^2/NDF: 65.0/55

All: -2.046+/-2.793 χ^2/NDF: 126.8/112

- sign -4.210+/-3.946 χ^2/NDF: 61.2/56

asym_bcm_dg_us_dg_ds_dd_rms vs Slug



Right In: 23.898+/-0.004 χ^2/NDF: 85870.3/31

Left Out: 25.409+/-0.004 χ^2/NDF:26863.6/23

Right Out: 23.916+/-0.004 χ^2/NDF: 77116.7/33

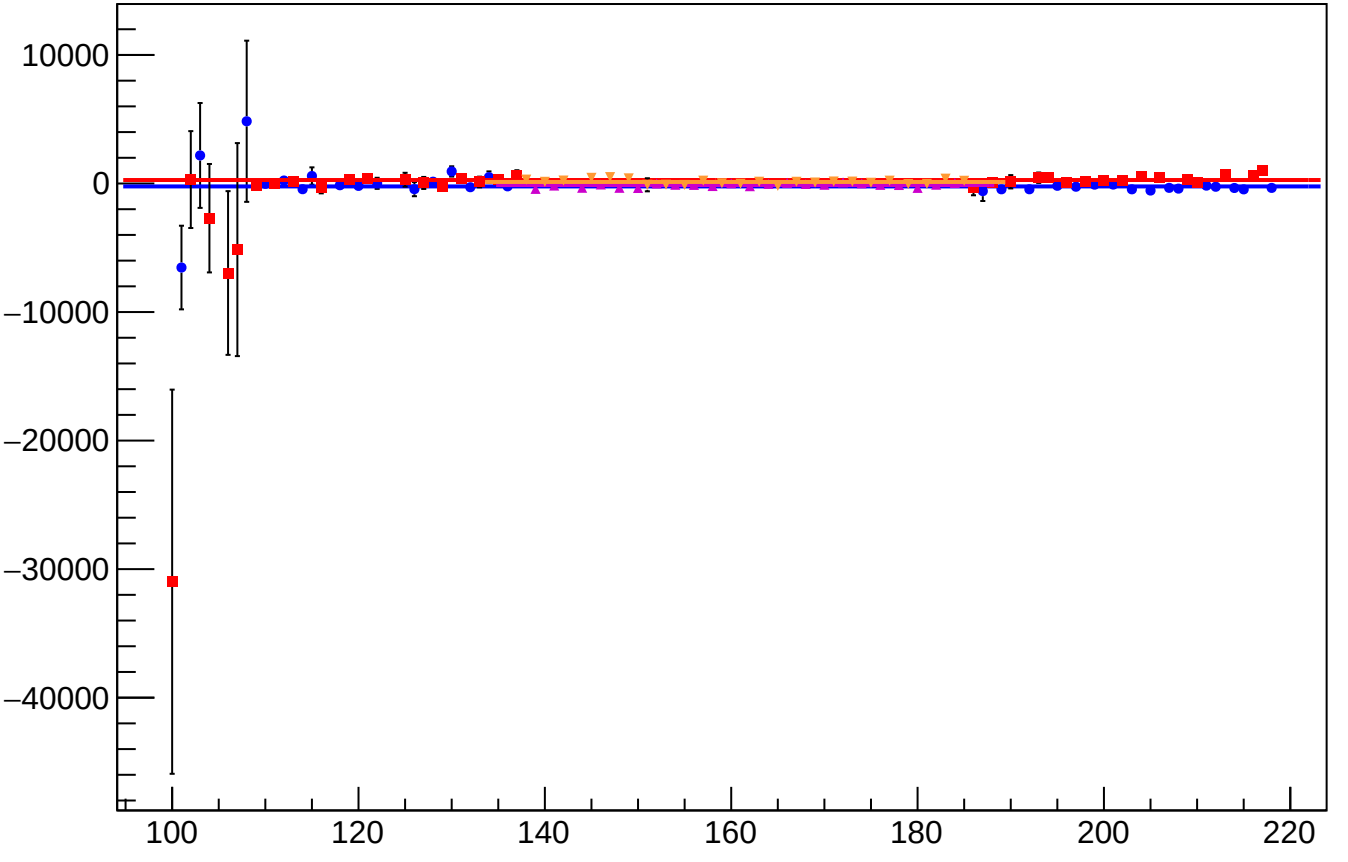
Left In: 25.207+/-0.004 χ^2/NDF:25827.4/22

+ sign 24.575+/-0.003 χ^2/NDF: 184969.0/55

All: 24.535+/-0.002 χ^2/NDF: 341283.6/112

- sign 24.495+/-0.003 χ^2/NDF: 155897.4/56

asym_bcm_cav4cQ_an_ds_avg_mean vs Slug



Right In: -227.501+/-41.691 χ^2/NDF: 35.9/31

Left Out: 120.221+/-47.440 χ^2/NDF:11.9/23

Right Out: 271.064+/-42.071 χ^2/NDF: 46.4/33

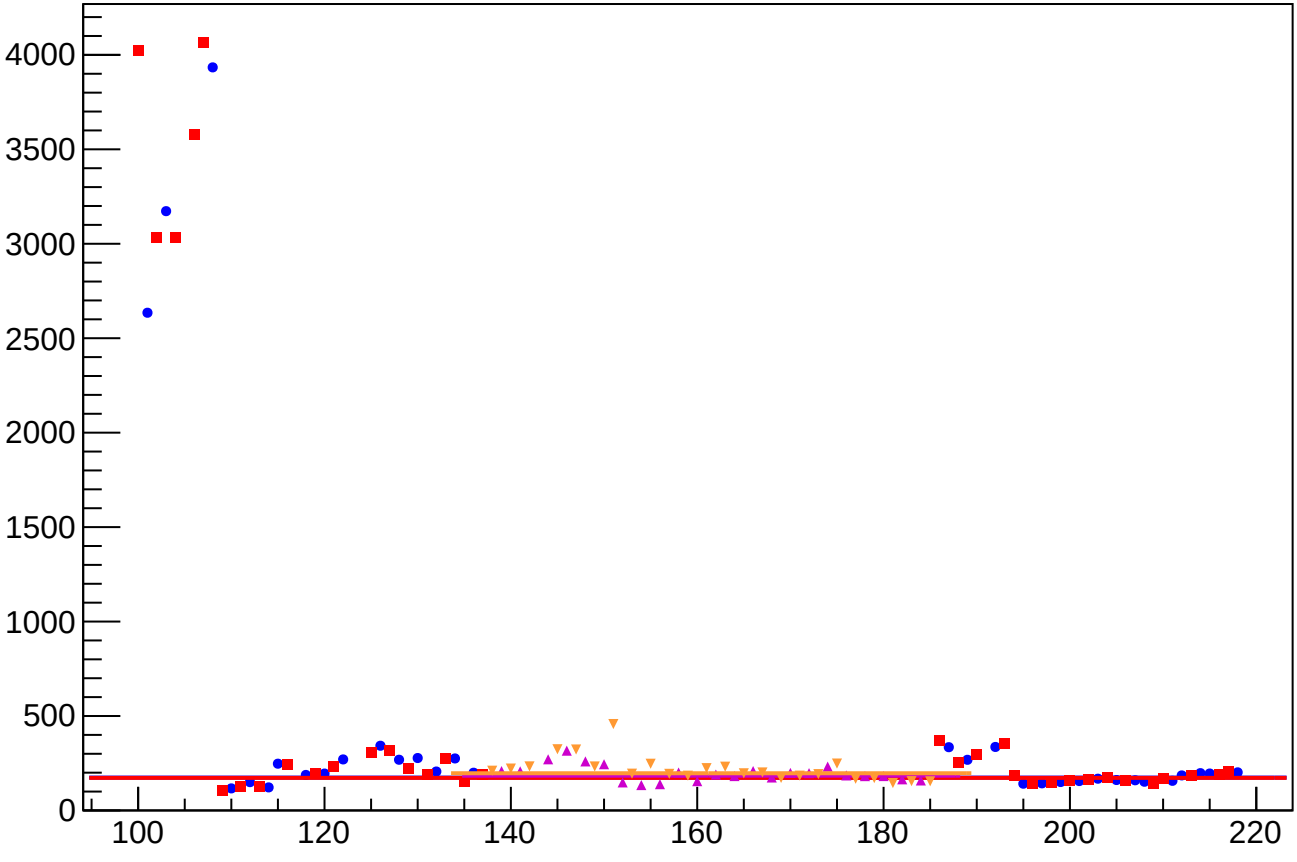
Left In: -116.243+/-44.786 χ^2/NDF:8.4/22

+ sign -75.978+/-31.316 χ^2/NDF: 78.2/55

All: 8.505+/-21.910 χ^2/NDF: 187.0/112

- sign 89.504+/-30.664 χ^2/NDF: 94.5/56

asym_bcm_cav4cQ_an_ds_avg_rms vs Slug



Right In: 174.010+/-0.029 χ^2/NDF: 4983632.2/31

Left Out: 196.935+/-0.034 χ^2/NDF:1809266.5/23

Right Out: 172.519+/-0.030 χ^2/NDF: 5495262.9/33

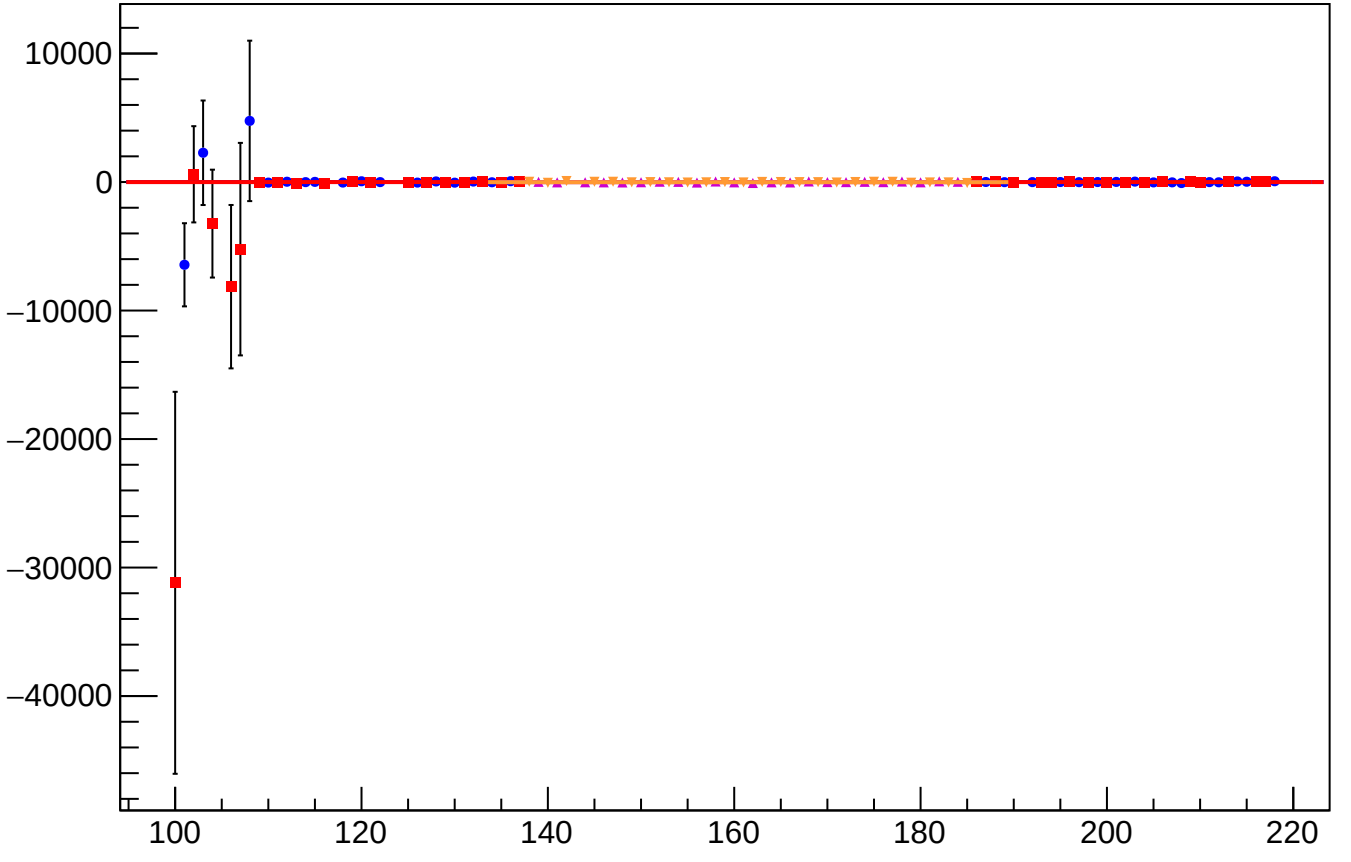
Left In: 184.051+/-0.032 χ^2/NDF:1445426.0/22

+ sign 184.000+/-0.022 χ^2/NDF: 7056418.5/55

All: 180.899+/-0.015 χ^2/NDF: 14105973.0/11

- sign 177.925+/-0.022 χ^2/NDF: 7011128.6/56

asym_bcm_cav4cQ_an_ds_dd_mean vs Slug



Right In: 1.777+/-6.318 χ^2/NDF: 38.2/31

Left Out: -11.111+/-6.653 χ^2/NDF:17.5/23

Right Out: -2.782+/-6.381 χ^2/NDF: 40.9/33

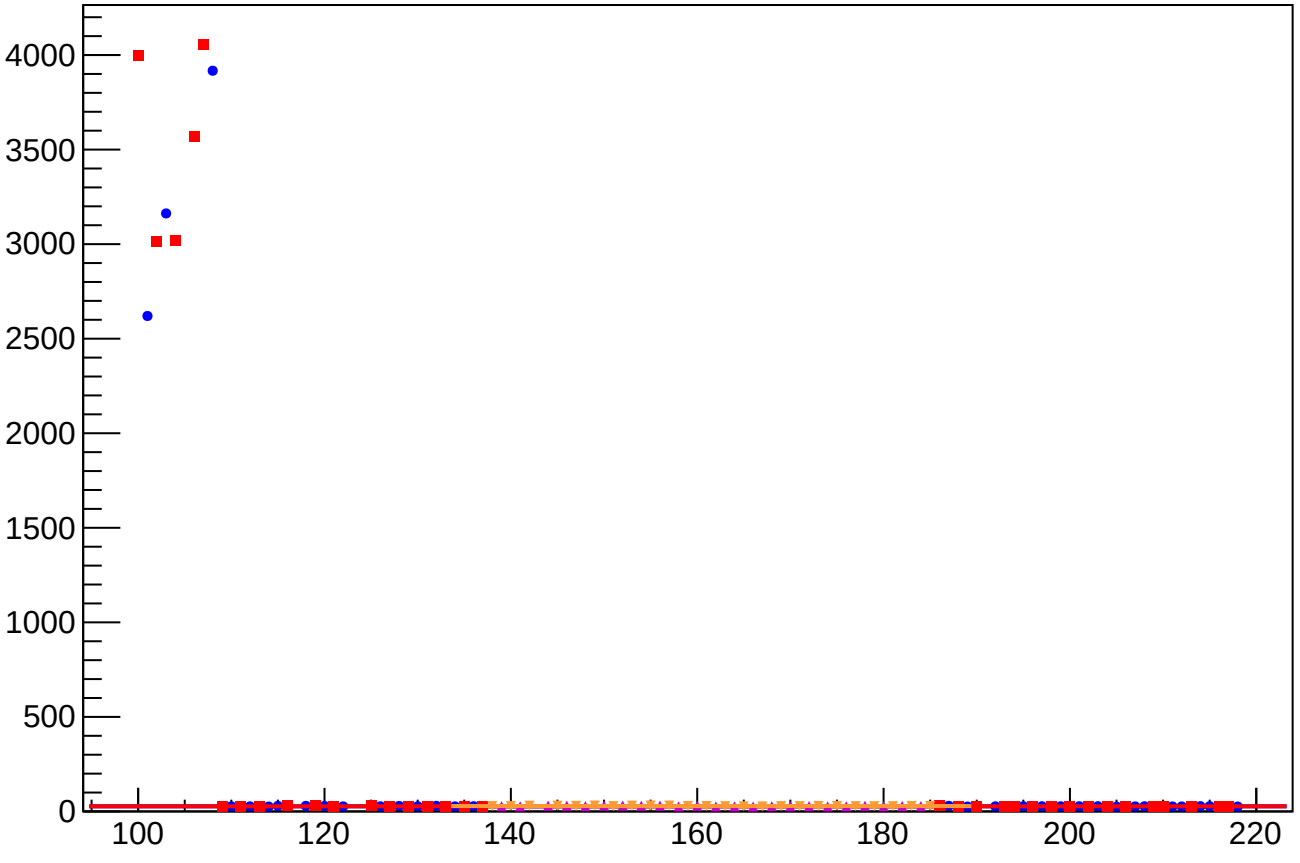
Left In: -2.576+/-6.732 χ^2/NDF:22.2/22

+ sign -4.334+/-4.581 χ^2/NDF: 57.6/55

All: -3.519+/-3.257 χ^2/NDF: 120.8/112

- sign -2.685+/-4.631 χ^2/NDF: 63.0/56

asym_bcm_cav4cQ_an_ds_dd_rms vs Slug



Right In: 27.196+/-0.004 χ^2/NDF: 3295459.4/31

Left Out: 28.592+/-0.005 χ^2/NDF:80997.4/23

Right Out: 27.195+/-0.005 χ^2/NDF: 3602459.1/33

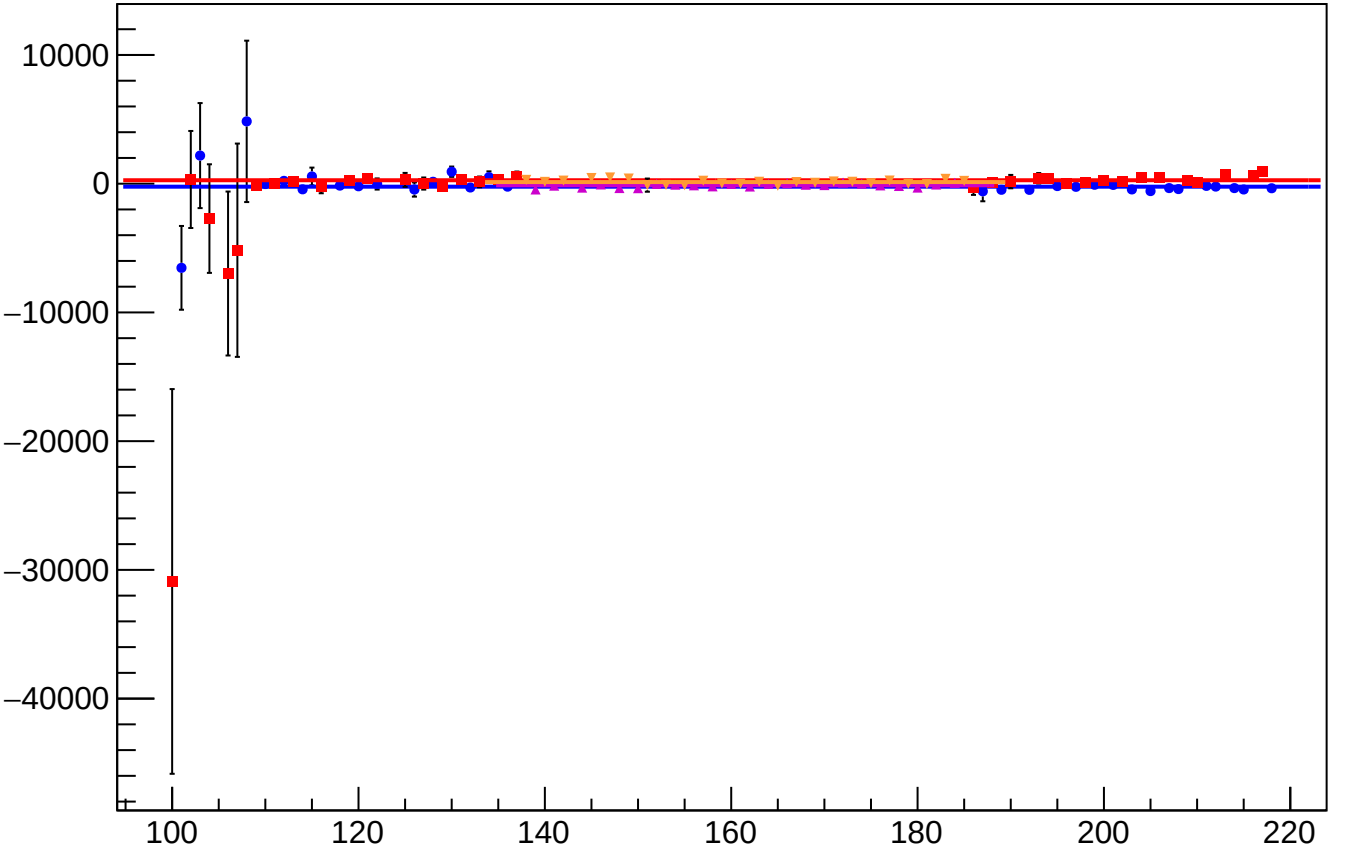
Left In: 28.728+/-0.005 χ^2/NDF:127383.0/22

\+ sign 27.858+/-0.003 χ^2/NDF: 3422799.4/55

All: 27.889+/-0.002 χ^2/NDF: 7207395.9/112

\- sign 27.921+/-0.003 χ^2/NDF: 3784411.5/56

asym_bcm_cav4cQ_dg_ds_avg_mean vs Slug



Right In: -231.911+/-41.863 χ^2/NDF: 36.0/31

Left Out: 126.373+/-47.852 χ^2/NDF:11.6/23

Right Out: 268.514+/-42.237 χ^2/NDF: 44.8/33

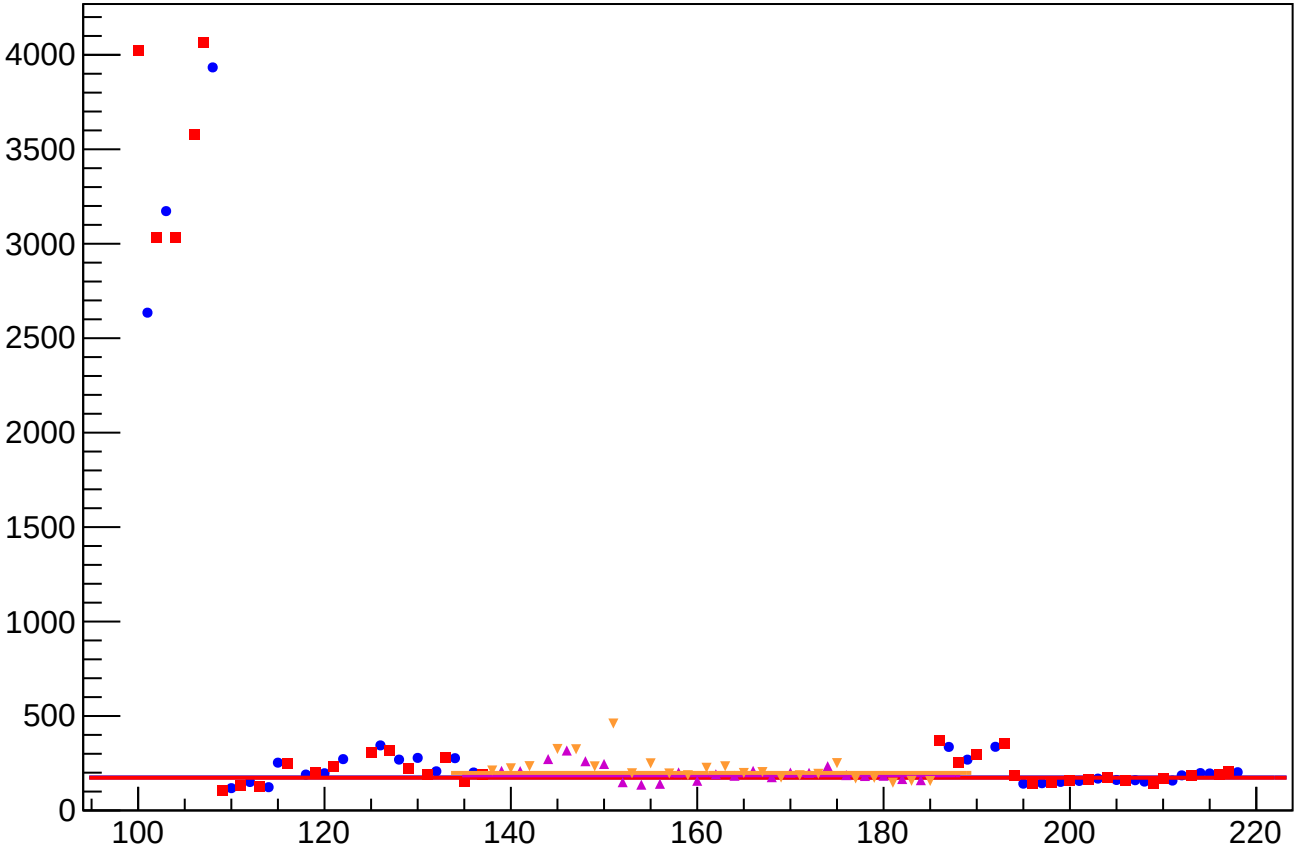
Left In: -122.809+/-45.199 χ^2/NDF:8.0/22

+ sign -76.582+/-31.508 χ^2/NDF: 79.4/55

All: 6.446+/-22.047 χ^2/NDF: 185.8/112

- sign 86.094+/-30.860 χ^2/NDF: 92.8/56

asym_bcm_cav4cQ_dg_ds_avg_rms vs Slug



Right In: 174.750+/-0.030 χ^2/NDF: 4977337.0/31

Left Out: 198.736+/-0.034 χ^2/NDF:1786406.6/23

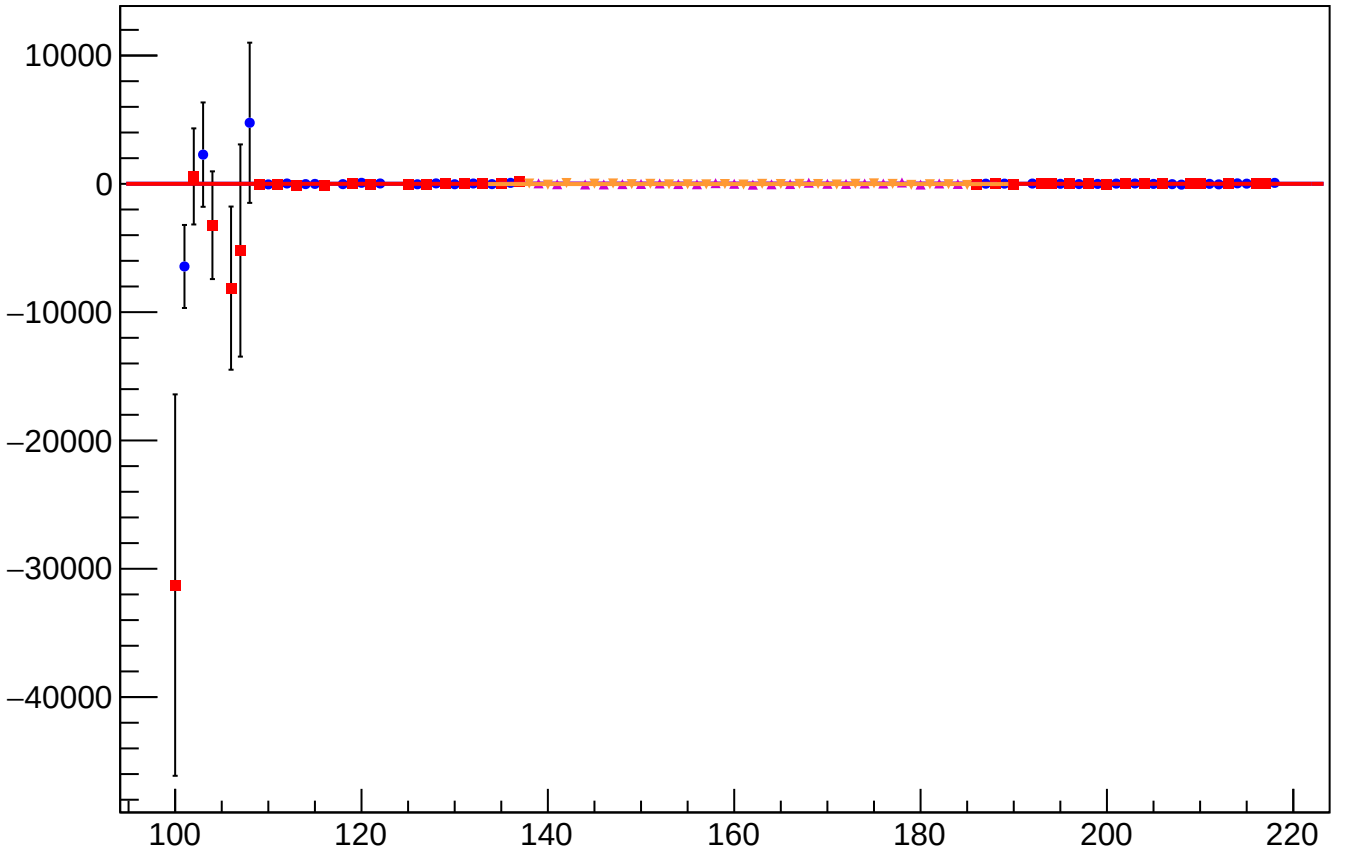
Right Out: 173.241+/-0.030 χ^2/NDF: 5482088.9/33

Left In: 185.871+/-0.032 χ^2/NDF:1405525.2/22

+ sign 185.149+/-0.022 χ^2/NDF: 7048383.5/55

All: 182.076+/-0.016 χ^2/NDF: 14056640.2/11

- sign 179.129+/-0.022 χ^2/NDF: 6970988.2/56



Right In: 7.404+/-6.970 χ^2/NDF: 31.4/31

Left Out: -18.187+/-7.260 χ^2/NDF:20.3/23

Right Out: 2.059+/-7.042 χ^2/NDF: 44.9/33

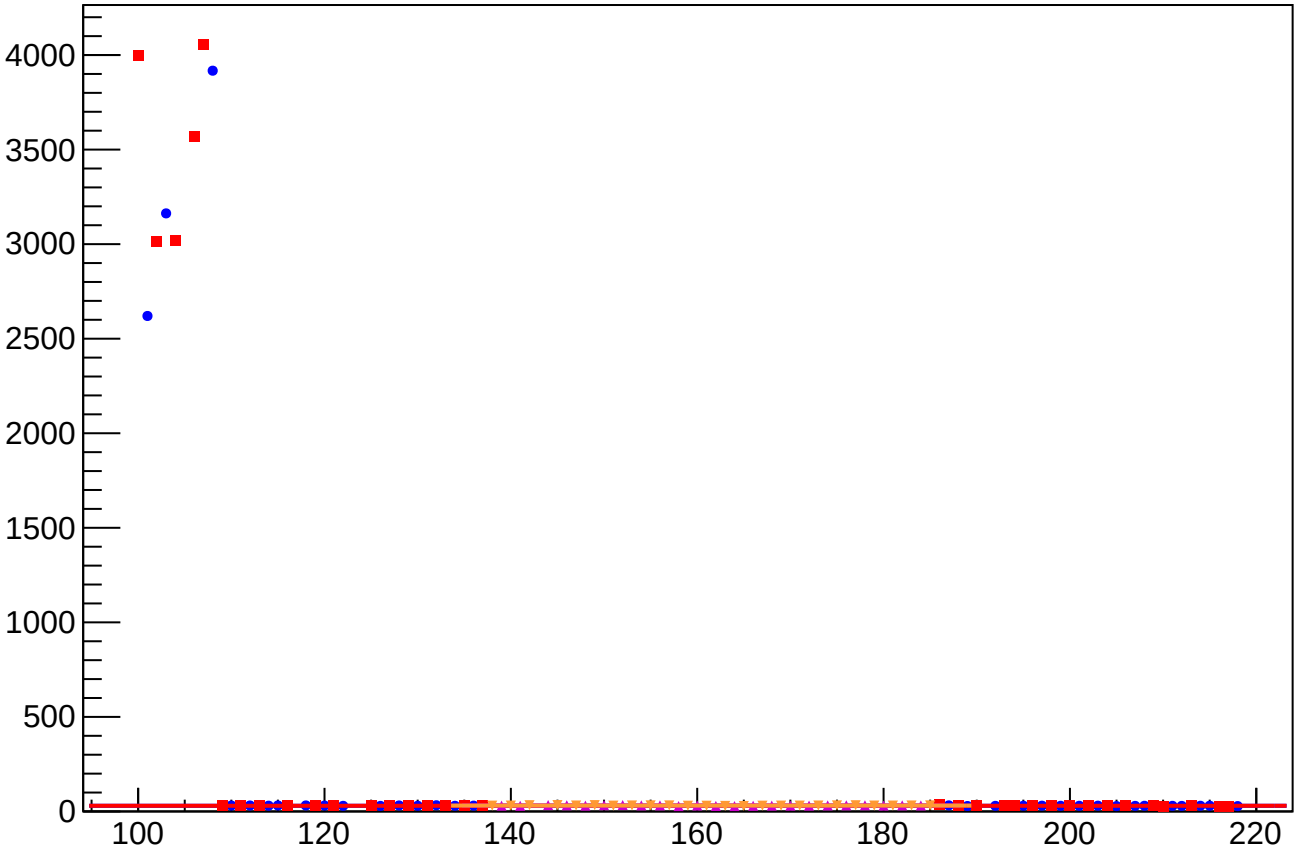
Left In: 2.709+/-7.348 χ^2/NDF:35.5/22

+ sign -4.870+/-5.028 χ^2/NDF: 58.1/55

All: -1.290+/-3.575 χ^2/NDF: 139.6/112

- sign 2.370+/-5.084 χ^2/NDF: 80.5/56

asym_bcm_cav4cQ_dg_ds_dd_rms vs Slug



Right In: 30.009+/-0.005 χ^2/NDF: 3282541.3/31

Left Out: 31.221+/-0.005 χ^2/NDF:47423.0/23

Right Out: 30.029+/-0.005 χ^2/NDF: 3577419.9/33

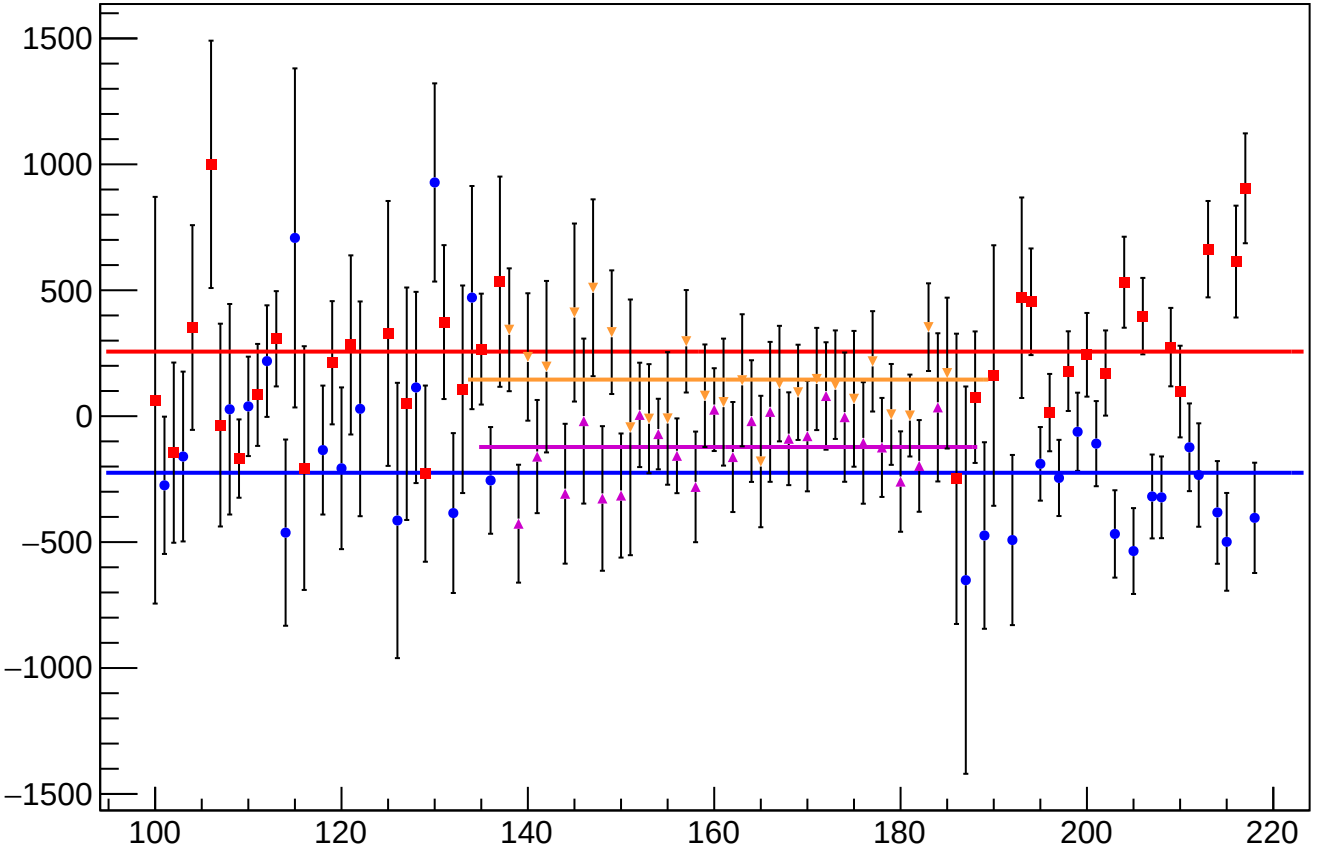
Left In: 31.379+/-0.005 χ^2/NDF:85229.7/22

+ sign 30.591+/-0.004 χ^2/NDF: 3358978.9/55

All: 30.633+/-0.003 χ^2/NDF: 7057111.1/112

- sign 30.676+/-0.004 χ^2/NDF: 3697850.1/56

asym_bcm_dg_us_an_us_avg_mean vs Slug



Right In: -224.701+/-40.077 χ^2/NDF: 33.9/31

Left Out: 145.314+/-47.390 χ^2/NDF:9.4/23

Right Out: 256.431+/-39.987 χ^2/NDF: 41.6/33

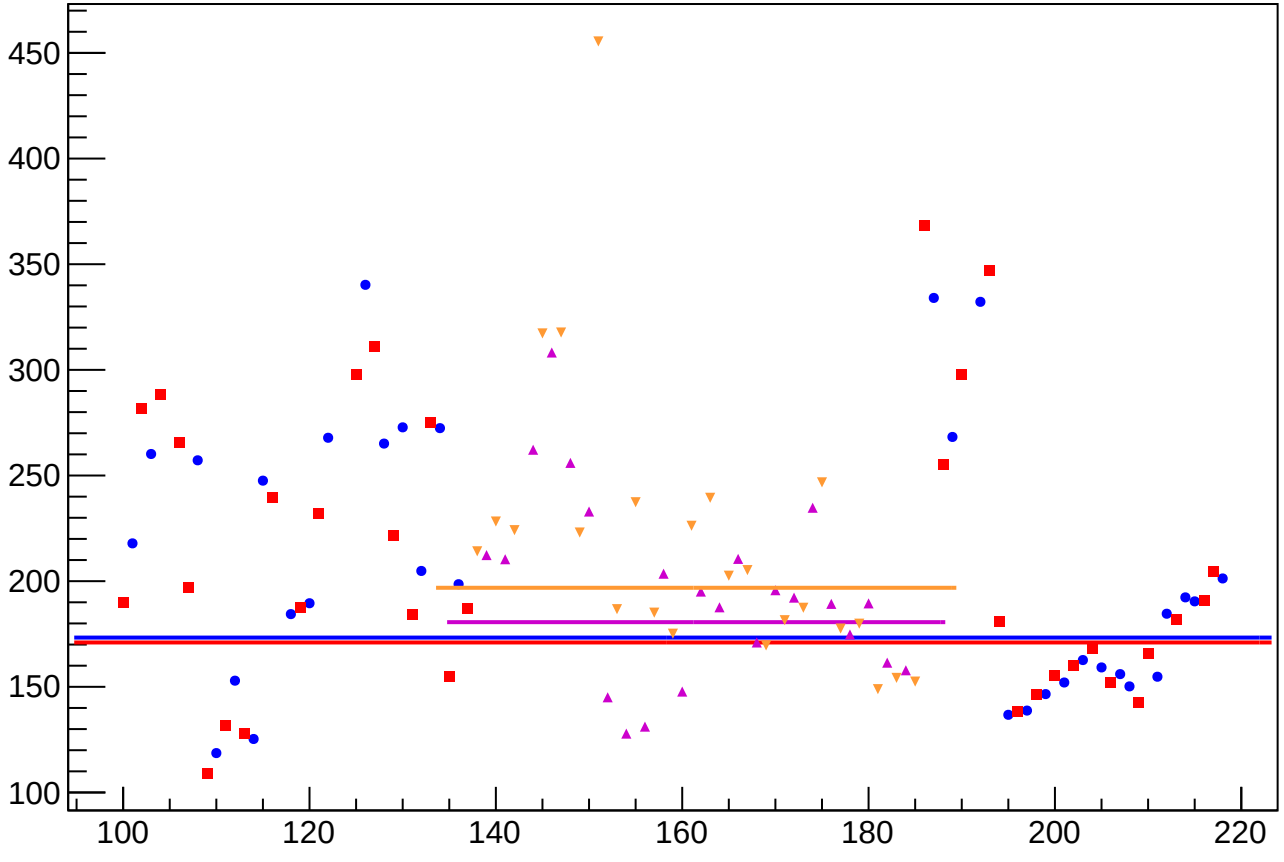
Left In: -122.376+/-44.081 χ^2/NDF:7.9/22

+ sign -70.417+/-30.601 χ^2/NDF: 78.8/55

All: 10.054+/-21.282 χ^2/NDF: 182.1/112

- sign 85.431+/-29.617 χ^2/NDF: 90.0/56

asym_bcm_dg_us_an_us_avg_rms vs Slug



Right In: 173.305+/-0.028 χ^2/NDF: 2341473.6/31

Left Out: 196.873+/-0.034 χ^2/NDF:1725106.9/23

Right Out: 170.991+/-0.028 χ^2/NDF: 2829055.1/33

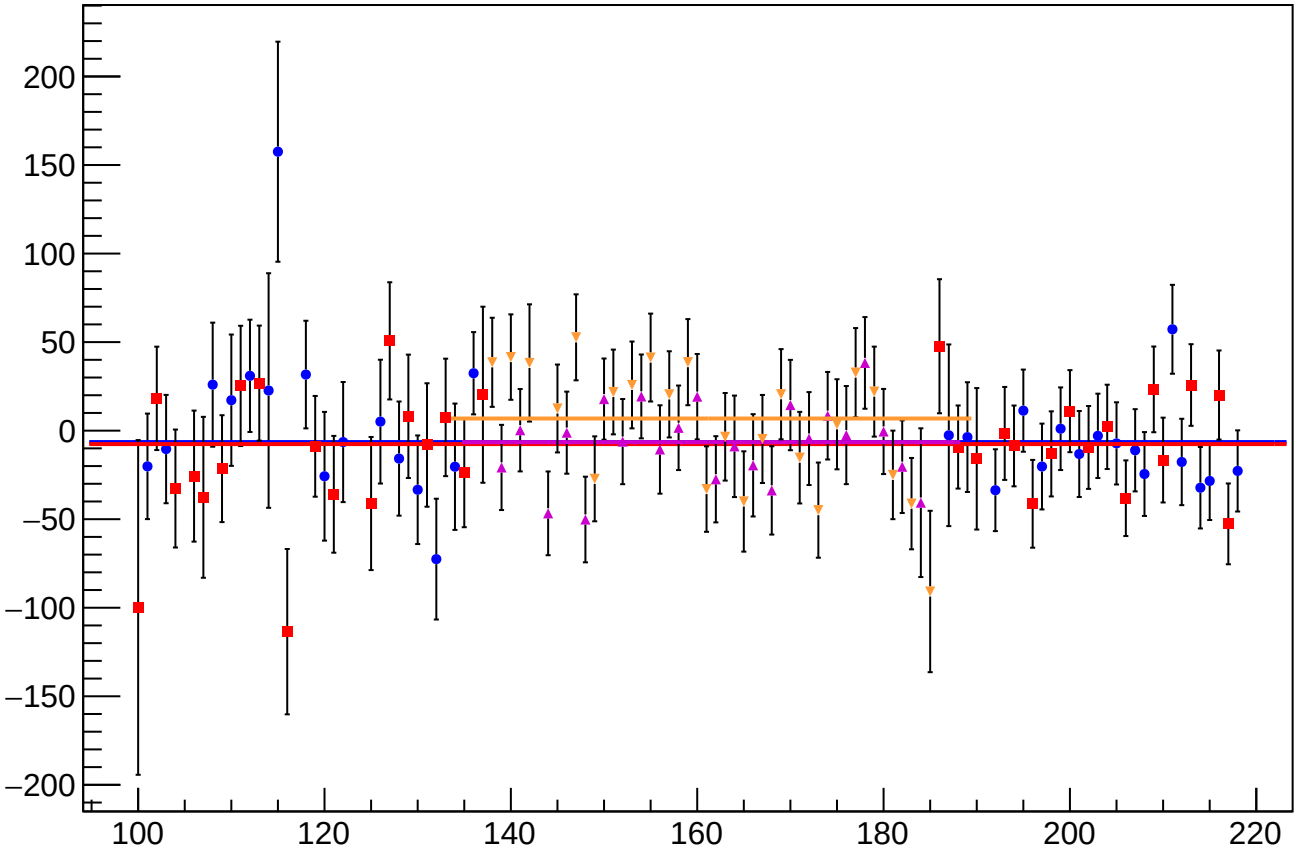
Left In: 180.601+/-0.031 χ^2/NDF:1628072.3/22

+ sign 183.132+/-0.022 χ^2/NDF: 4354972.9/55

All: 179.103+/-0.015 χ^2/NDF: 8931388.7/112

- sign 175.329+/-0.021 χ^2/NDF: 4509275.9/56

asym_bcm_dg_us_an_us_dd_mean vs Slug



Right In: -6.451+/-4.937 χ^2/NDF: 32.1/31

Left Out: 6.857+/-5.229 χ^2/NDF:36.8/23

Right Out: -7.582+/-4.944 χ^2/NDF: 32.0/33

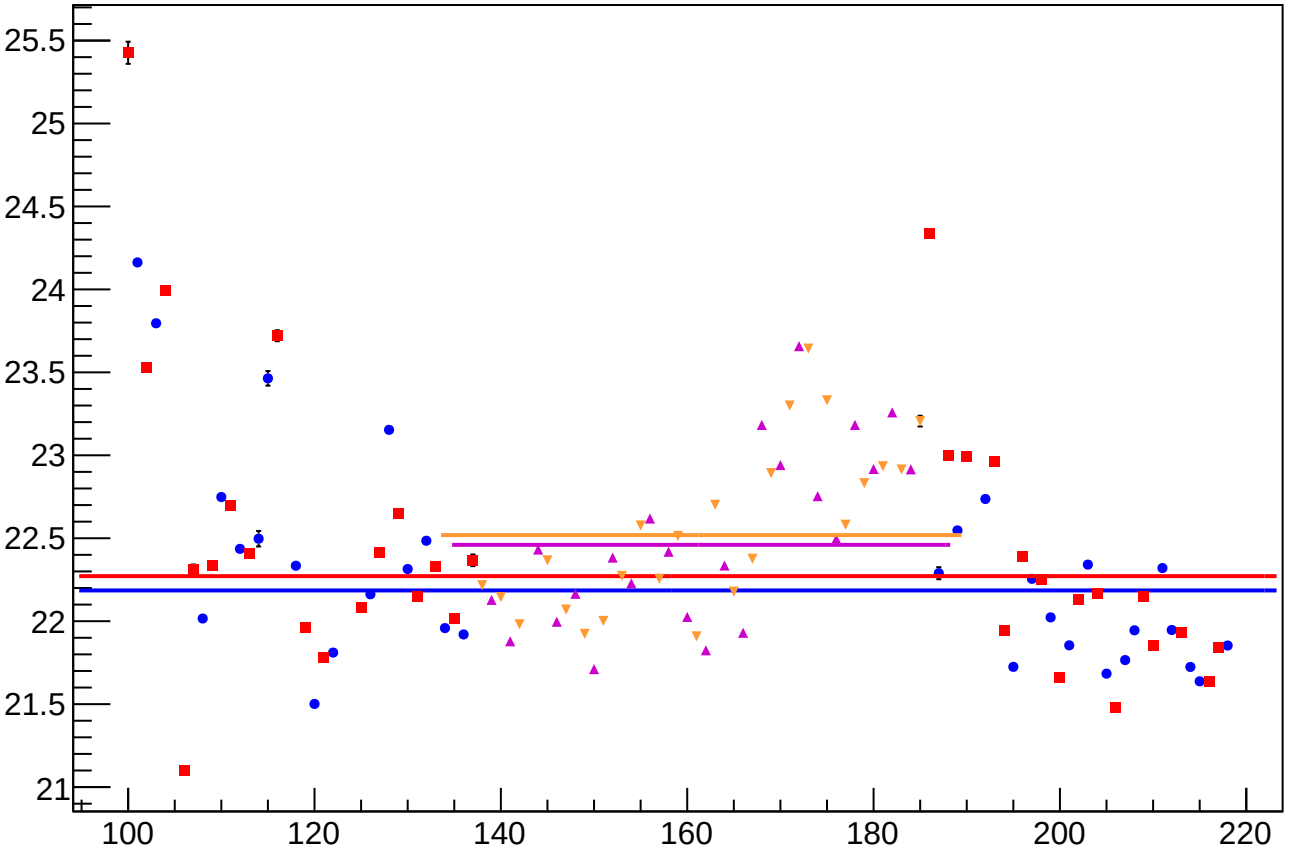
Left In: -6.482+/-5.247 χ^2/NDF:17.4/22

+ sign -0.179+/-3.590 χ^2/NDF: 72.4/55

All: -3.614+/-2.541 χ^2/NDF: 123.7/112

- sign -7.065+/-3.598 χ^2/NDF: 49.5/56

asym_bcm_dg_us_an_us_dd_rms vs Slug



Right In: 22.185+/-0.003 χ^2/NDF: 26490.2/31

Left Out: 22.519+/-0.004 χ^2/NDF:15998.2/23

Right Out: 22.272+/-0.003 χ^2/NDF: 34486.4/33

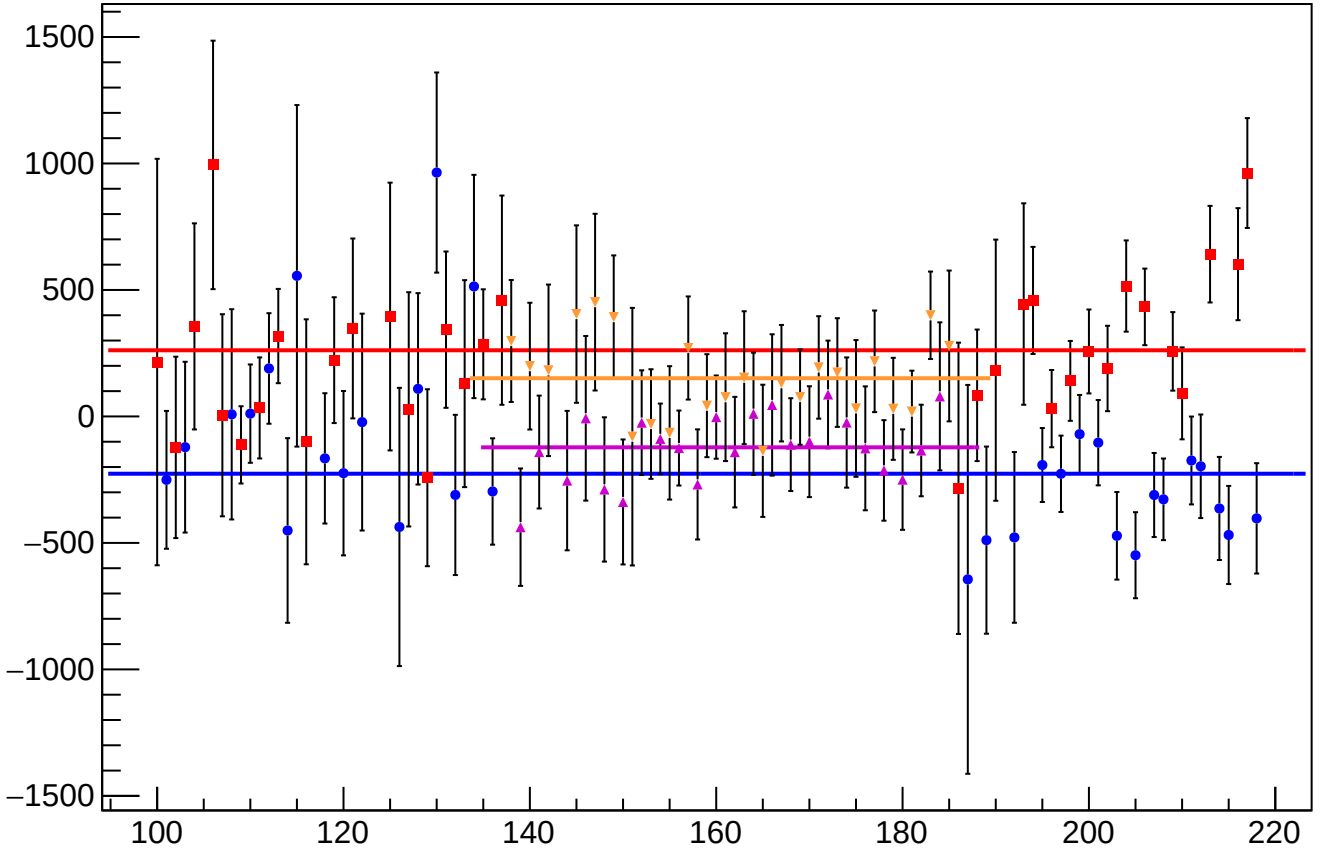
Left In: 22.460+/-0.004 χ^2/NDF:19117.2/22

+ sign 22.343+/-0.003 χ^2/NDF: 46793.0/55

All: 22.351+/-0.002 χ^2/NDF: 101791.4/112

- sign 22.360+/-0.003 χ^2/NDF: 54974.3/56

asym_bcm_dg_ds_an_us_avg_mean vs Slug



Right In: -226.488+/-39.962 χ^2/NDF: 32.5/31

Left Out: 151.108+/-47.316 χ^2/NDF:10.0/23

Right Out: 261.551+/-39.825 χ^2/NDF: 41.1/33

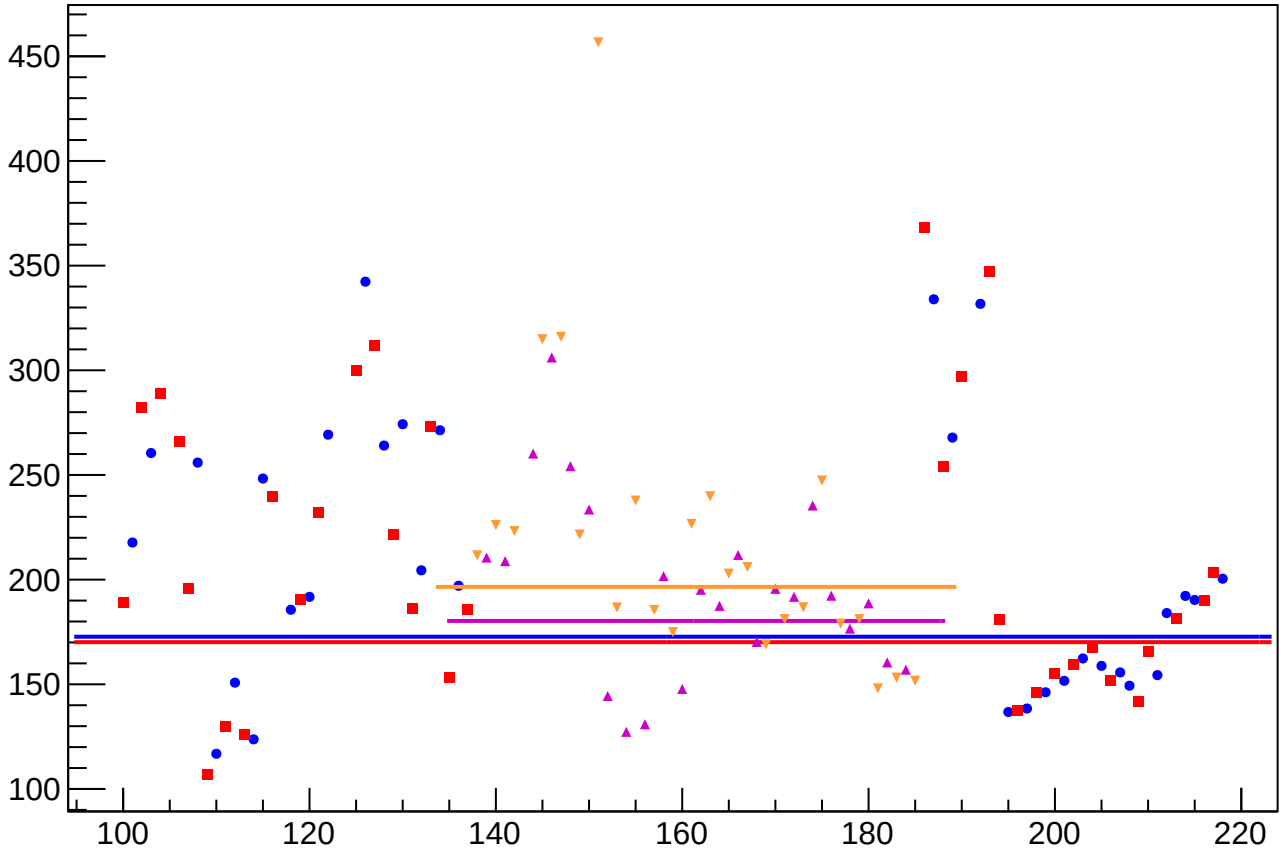
Left In: -122.165+/-44.006 χ^2/NDF:7.5/22

+ sign -69.282+/-30.530 χ^2/NDF: 79.7/55

All: 12.387+/-21.225 χ^2/NDF: 183.9/112

- sign 88.784+/-29.528 χ^2/NDF: 90.4/56

asym_bcm_dg_ds_an_us_avg_rms vs Slug



Right In: 172.731+/-0.028 χ^2/NDF: 2373287.4/31

Left Out: 196.533+/-0.033 χ^2/NDF:1727888.6/23

Right Out: 170.132+/-0.028 χ^2/NDF: 2897374.3/33

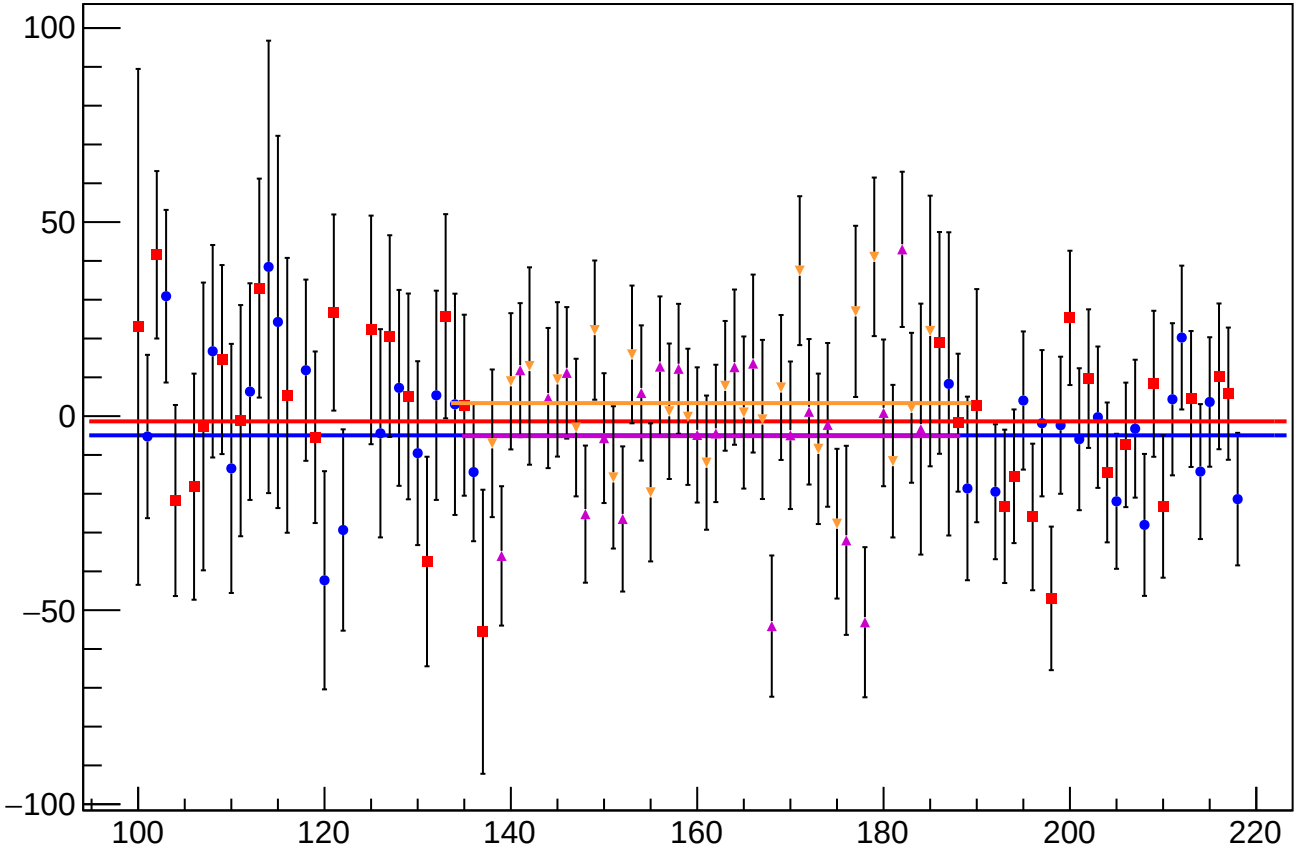
Left In: 180.274+/-0.031 χ^2/NDF:1624682.7/22

\+ sign 182.641+/-0.022 χ^2/NDF: 4396591.9/55

All: 178.537+/-0.015 χ^2/NDF: 9046972.7/112

\- sign 174.699+/-0.021 χ^2/NDF: 4580457.1/56

asym_bcm_dg_ds_an_us_dd_mean vs Slug



Right In: -4.950+/-3.782 χ^2/NDF: 16.0/31

Left Out: 3.359+/-3.905 χ^2/NDF:17.7/23

Right Out: -1.347+/-3.785 χ^2/NDF: 30.8/33

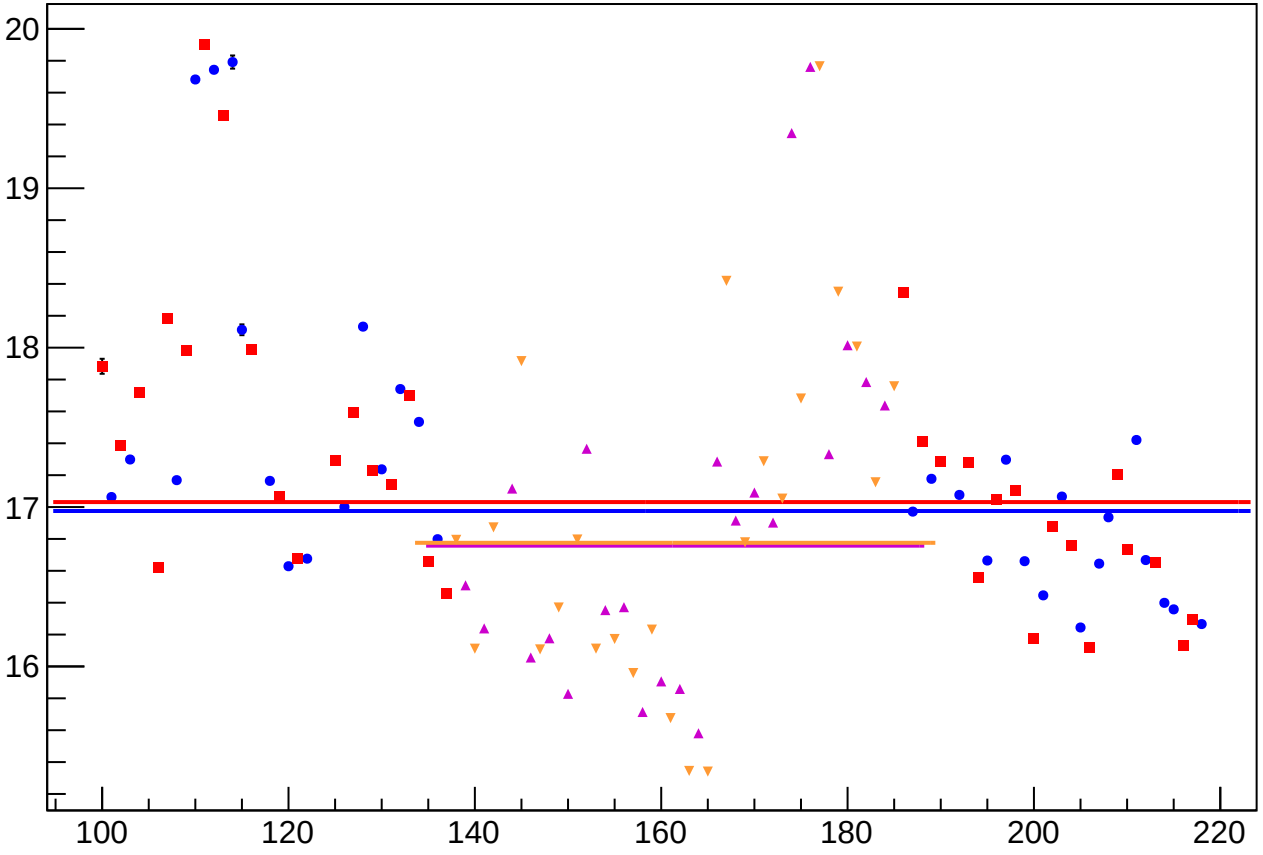
Left In: -5.150+/-3.924 χ^2/NDF:32.3/22

+ sign -0.928+/-2.717 χ^2/NDF: 36.0/55

All: -2.051+/-1.924 χ^2/NDF: 99.9/112

- sign -3.180+/-2.724 χ^2/NDF: 63.6/56

asym_bcm_dg_ds_an_us_dd_rms vs Slug



Right In: 16.975+/-0.003 χ^2/NDF: 65937.7/31

Left Out: 16.776+/-0.003 χ^2/NDF:136142.5/23

Right Out: 17.031+/-0.003 χ^2/NDF: 75620.7/33

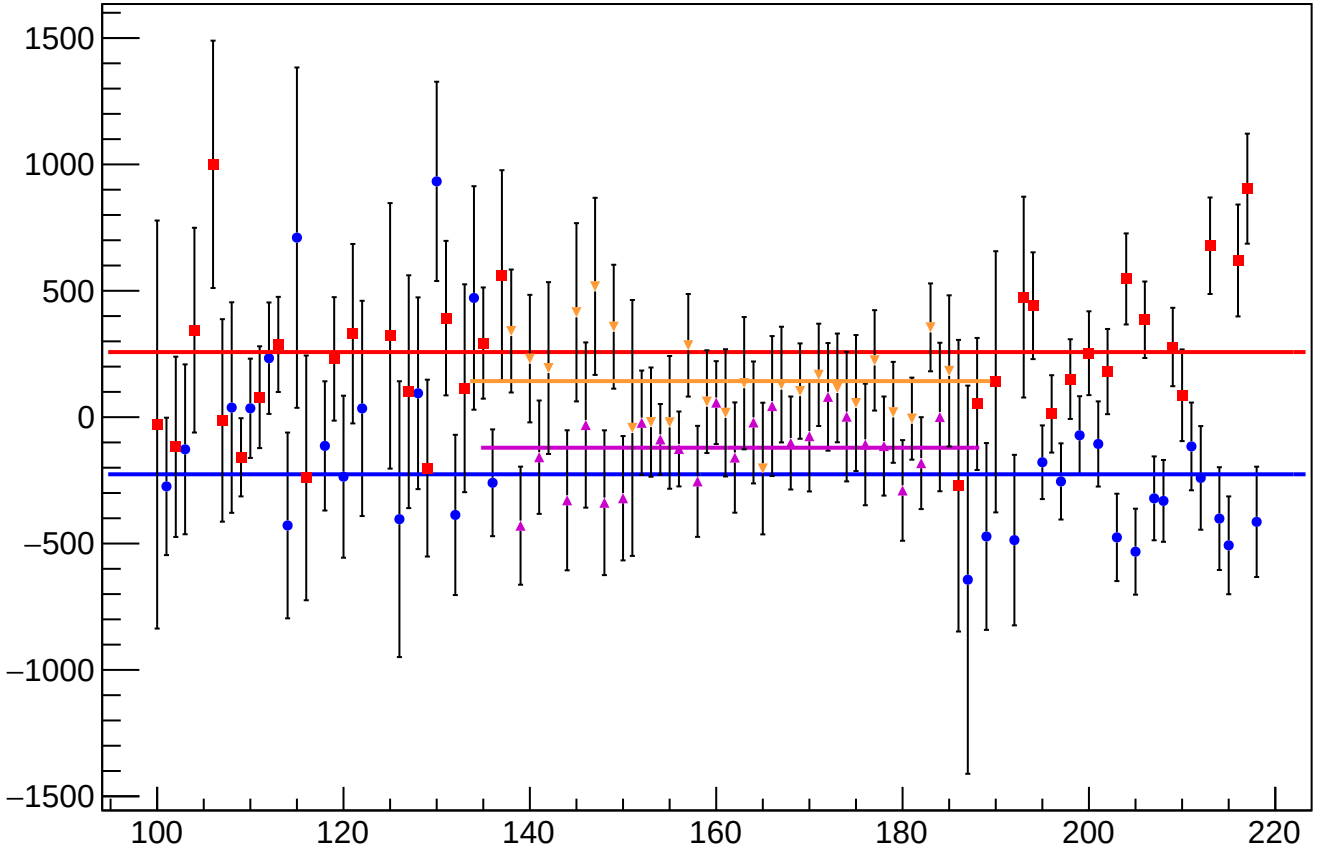
Left In: 16.758+/-0.003 χ^2/NDF:123306.8/22

+ sign 16.879+/-0.002 χ^2/NDF: 204776.0/55

All: 16.889+/-0.001 χ^2/NDF: 408794.4/112

- sign 16.899+/-0.002 χ^2/NDF: 203960.1/56

asym_bcm_dg_us_an_ds_avg_mean vs Slug



Right In: -226.024+/-39.956 χ^2/NDF: 34.7/31

Left Out: 142.696+/-47.288 χ^2/NDF:10.2/23

Right Out: 257.537+/-39.868 χ^2/NDF: 42.3/33

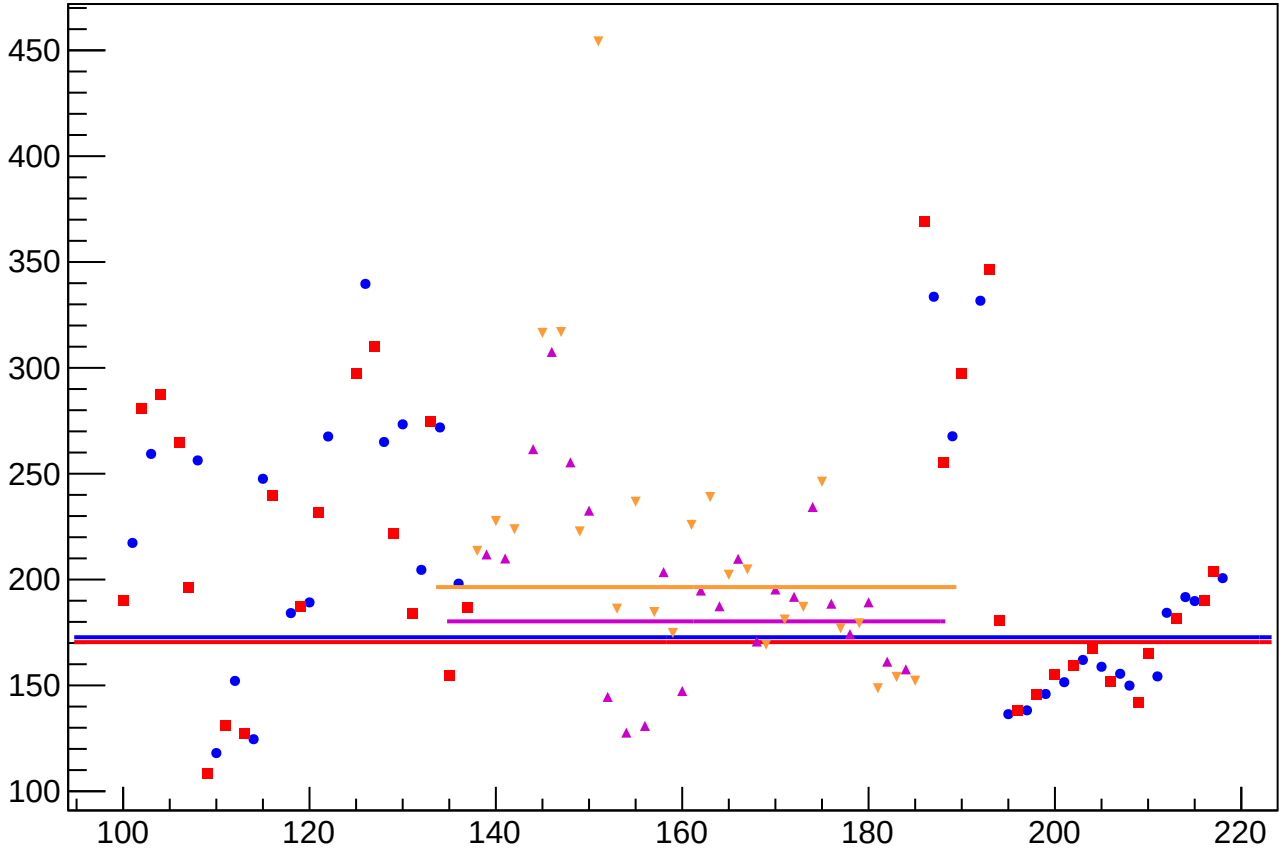
Left In: -120.888+/-43.994 χ^2/NDF:8.2/22

+ sign -72.431+/-30.520 χ^2/NDF: 80.4/55

All: 9.828+/-21.227 χ^2/NDF: 185.6/112

- sign 86.901+/-29.542 χ^2/NDF: 91.1/56

asym_bcm_dg_us_an_ds_avg_rms vs Slug



Right In: 172.755+/-0.028 χ^2/NDF: 2354299.2/31

Left Out: 196.452+/-0.033 χ^2/NDF:1723529.1/23

Right Out: 170.441+/-0.028 χ^2/NDF: 2846674.4/33

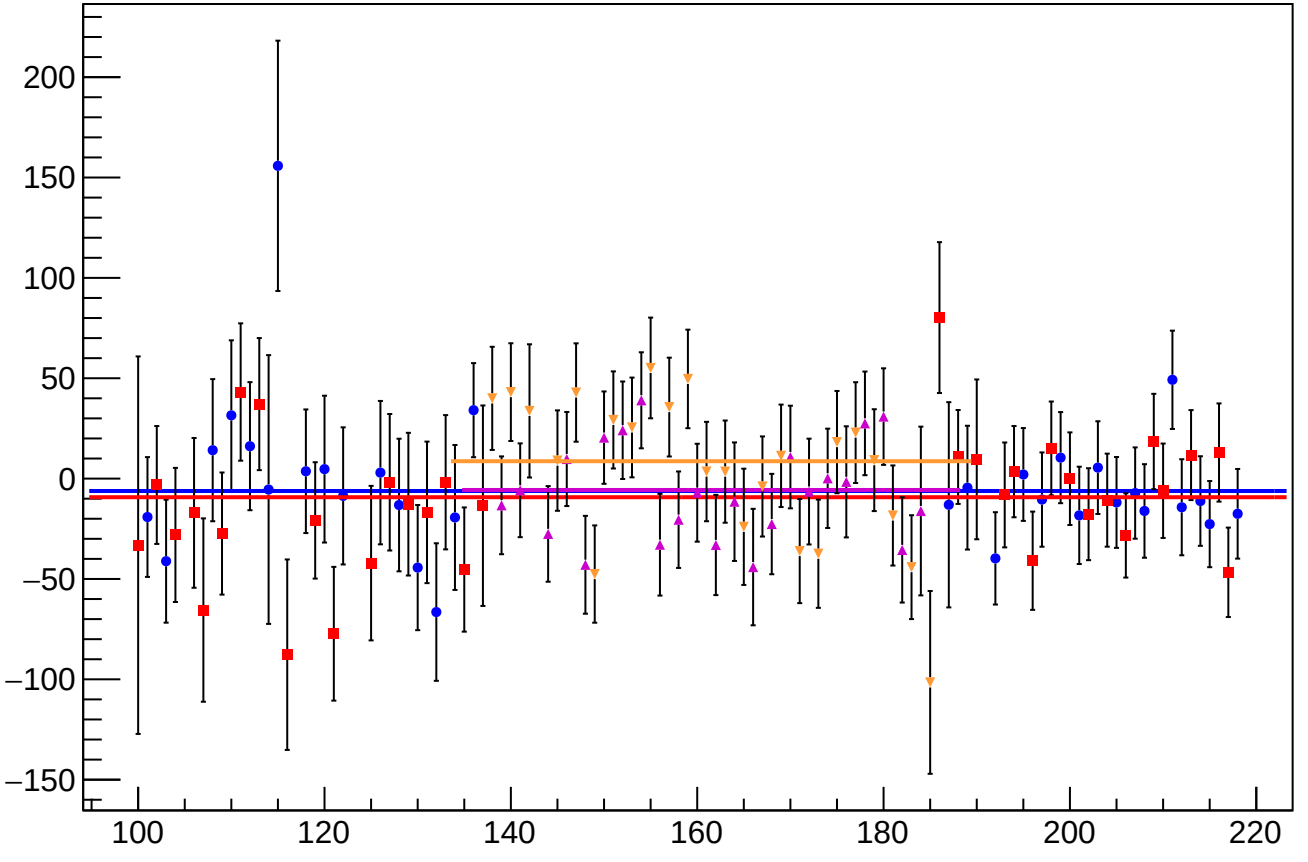
Left In: 180.248+/-0.031 χ^2/NDF:1627777.0/22

\+ sign 182.626+/-0.022 χ^2/NDF: 4370863.2/55

All: 178.618+/-0.015 χ^2/NDF: 8966685.4/112

\- sign 174.863+/-0.021 χ^2/NDF: 4529018.6/56

asym_bcm_dg_us_an_ds_dd_mean vs Slug



Right In: -6.180+/-4.889 χ^2/NDF: 27.8/31

Left Out: 8.664+/-5.275 χ^2/NDF:39.2/23

Right Out: -9.276+/-4.910 χ^2/NDF: 32.7/33

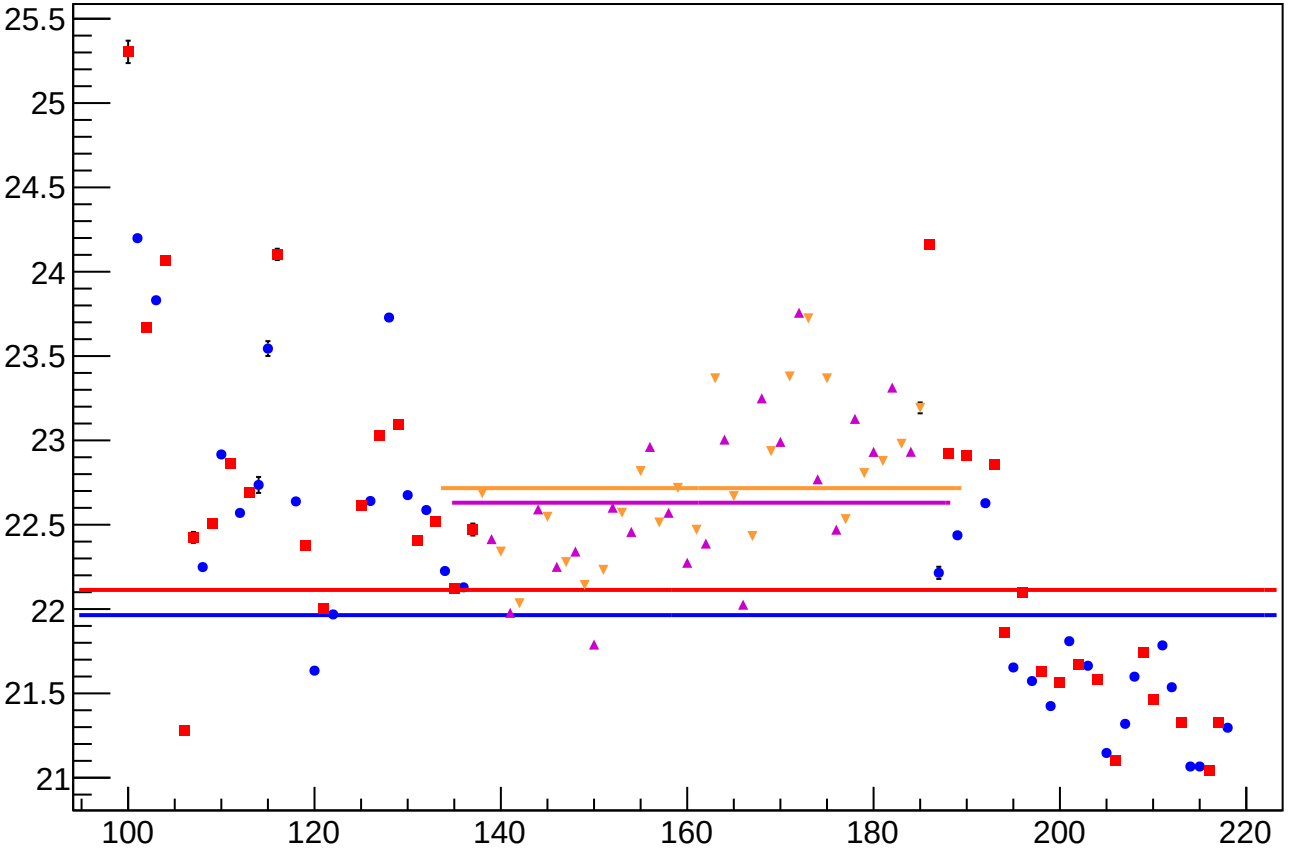
Left In: -5.668+/-5.286 χ^2/NDF:20.8/22

+ sign 0.679+/-3.586 χ^2/NDF: 71.2/55

All: -3.449+/-2.540 χ^2/NDF: 127.6/112

- sign -7.605+/-3.598 χ^2/NDF: 53.8/56

asym_bcm_dg_us_an_ds_dd_rms vs Slug



Right In: 21.964+/-0.003 χ^2/NDF: 50419.2/31

Left Out: 22.717+/-0.004 χ^2/NDF:12177.5/23

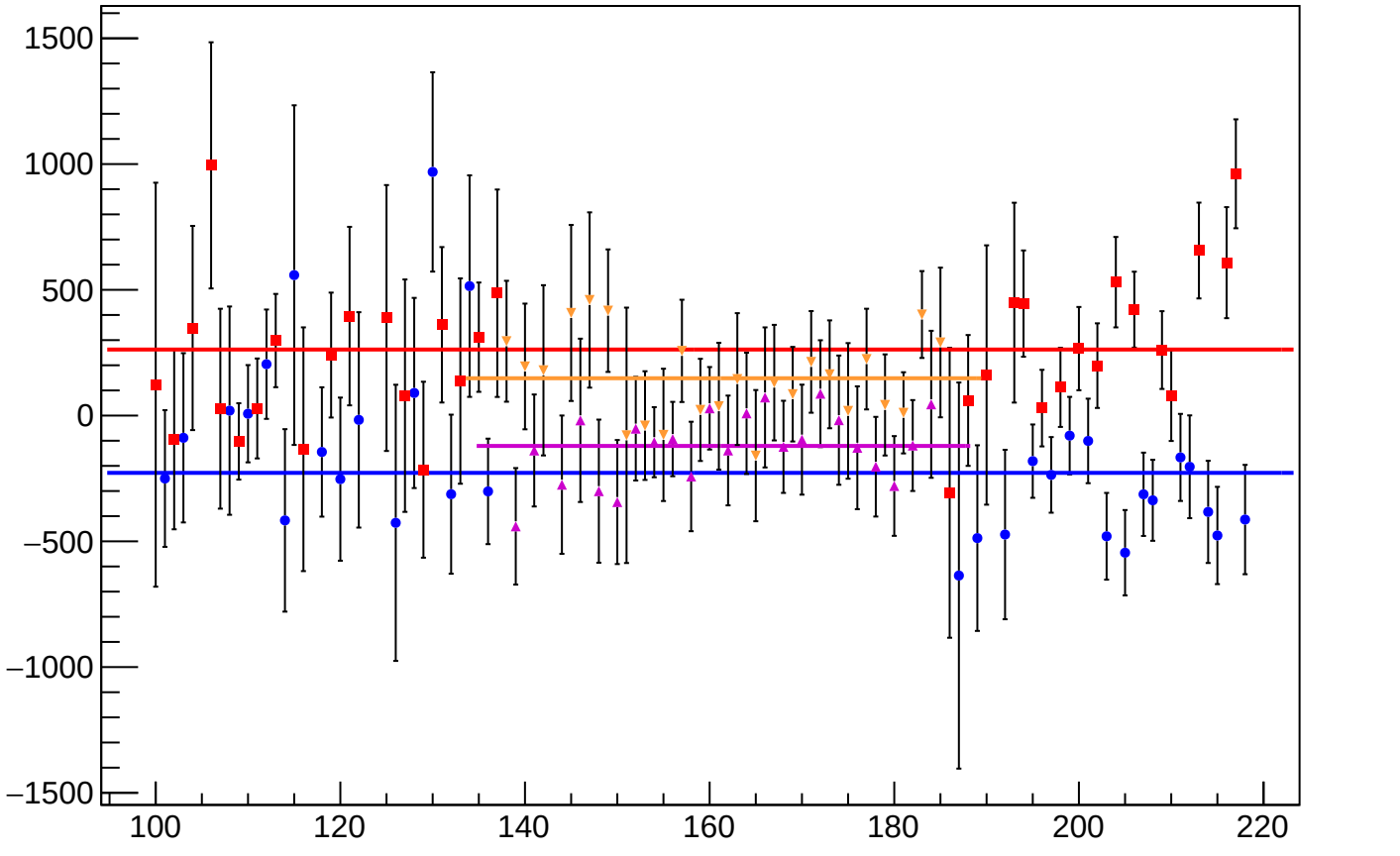
Right Out: 22.113+/-0.003 χ^2/NDF: 55570.3/33

Left In: 22.631+/-0.004 χ^2/NDF:15391.4/22

+ sign 22.312+/-0.003 χ^2/NDF: 84520.3/55

All: 22.332+/-0.002 χ^2/NDF: 165886.3/112

- sign 22.353+/-0.003 χ^2/NDF: 81235.6/56



Right In: -227.791+/-39.841 χ^2/NDF: 33.3/31

Left Out: 148.424+/-47.213 χ^2/NDF:10.9/23

Right Out: 262.623+/-39.704 χ^2/NDF: 41.8/33

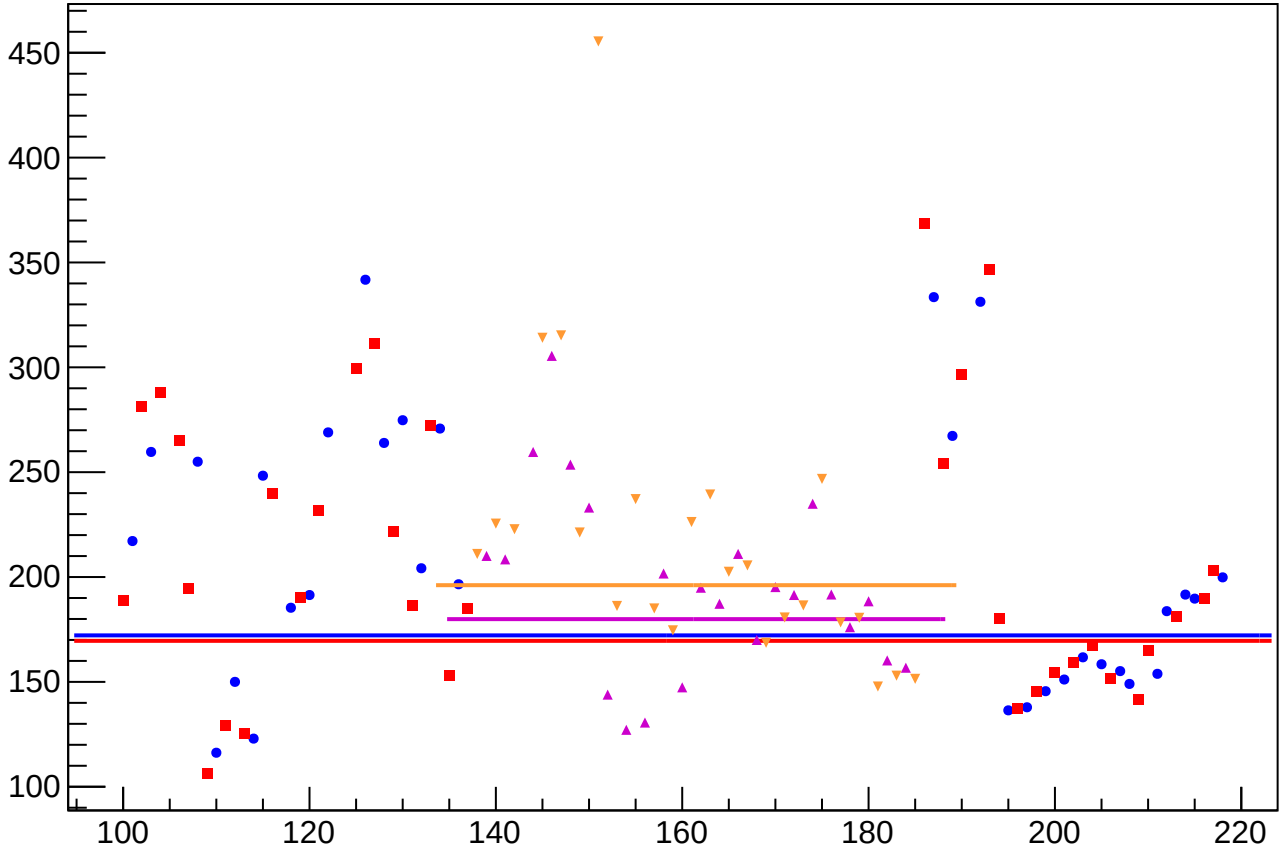
Left In: -120.760+/-43.920 χ^2/NDF:7.9/22

\+ sign -71.318+/-30.448 χ^2/NDF: 81.3/55

All: 12.129+/-21.170 χ^2/NDF: 187.5/112

\- sign 90.209+/-29.453 χ^2/NDF: 91.6/56

asym_bcm_dg_ds_an_ds_avg_rms vs Slug



Right In: 172.176+/-0.028 χ^2/NDF: 2386620.0/31

Left Out: 196.112+/-0.033 χ^2/NDF:1726285.1/23

Right Out: 169.577+/-0.028 χ^2/NDF: 2915877.1/33

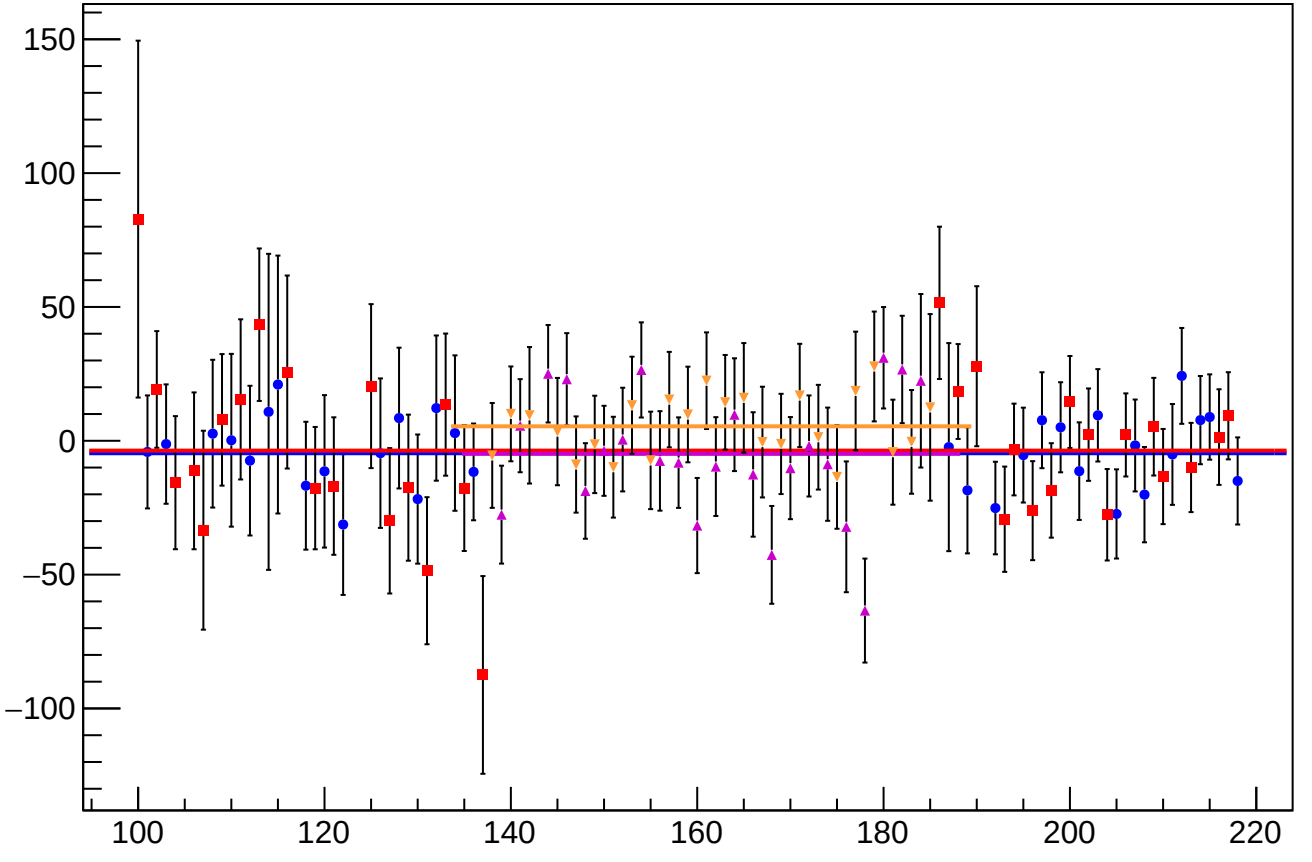
Left In: 179.923+/-0.031 χ^2/NDF:1624144.3/22

+ sign 182.132+/-0.022 χ^2/NDF: 4413153.5/55

All: 178.050+/-0.015 χ^2/NDF: 9083835.6/112

- sign 174.230+/-0.021 χ^2/NDF: 4601098.9/56

asym_bcm_dg_ds_an_ds_dd_mean vs Slug



Right In: -4.650+/-3.714 χ^2/NDF: 13.5/31

Left Out: 5.406+/-3.972 χ^2/NDF:7.8/23

Right Out: -3.676+/-3.733 χ^2/NDF: 33.8/33

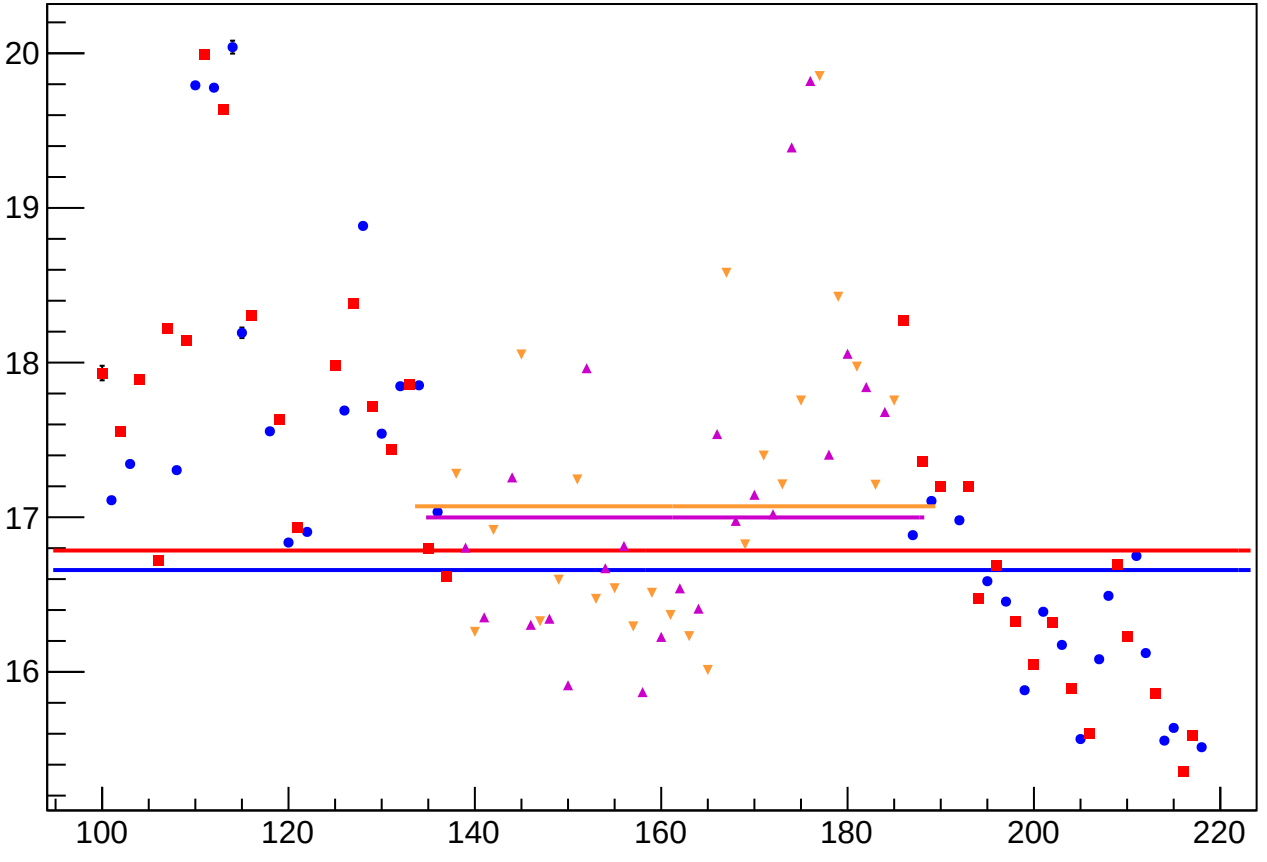
Left In: -4.858+/-3.980 χ^2/NDF:35.5/22

+ sign 0.041+/-2.713 χ^2/NDF: 24.7/55

All: -2.086+/-1.922 χ^2/NDF: 95.3/112

- sign -4.229+/-2.723 χ^2/NDF: 69.4/56

asym_bcm_dg_ds_an_ds_dd_rms vs Slug



Right In: 16.658+/-0.003 χ^2/NDF: 135128.6/31

Left Out: 17.071+/-0.003 χ^2/NDF:96312.6/23

Right Out: 16.785+/-0.003 χ^2/NDF: 147100.9/33

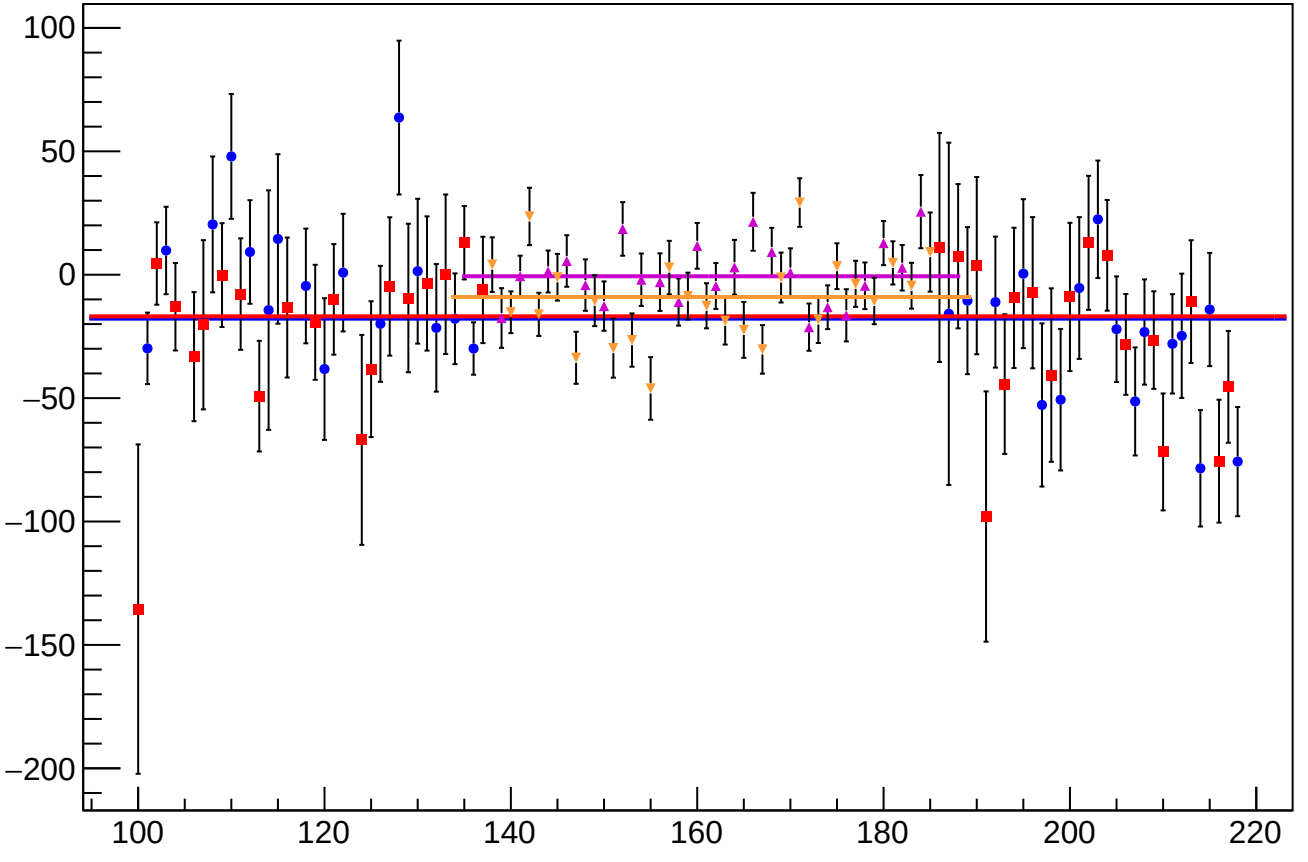
Left In: 16.999+/-0.003 χ^2/NDF:104021.0/22

+ sign 16.851+/-0.002 χ^2/NDF: 242935.7/55

All: 16.868+/-0.001 χ^2/NDF: 497287.6/112

- sign 16.885+/-0.002 χ^2/NDF: 254193.6/56

diff_bpm_4aX_4acX_avg_mean vs Slug



Right In: -17.791+/-4.024 χ^2/NDF: 46.6/31

Left Out: -9.027+/-2.006 χ^2/NDF:62.0/24

Right Out: -16.863+/-4.175 χ^2/NDF: 36.4/35

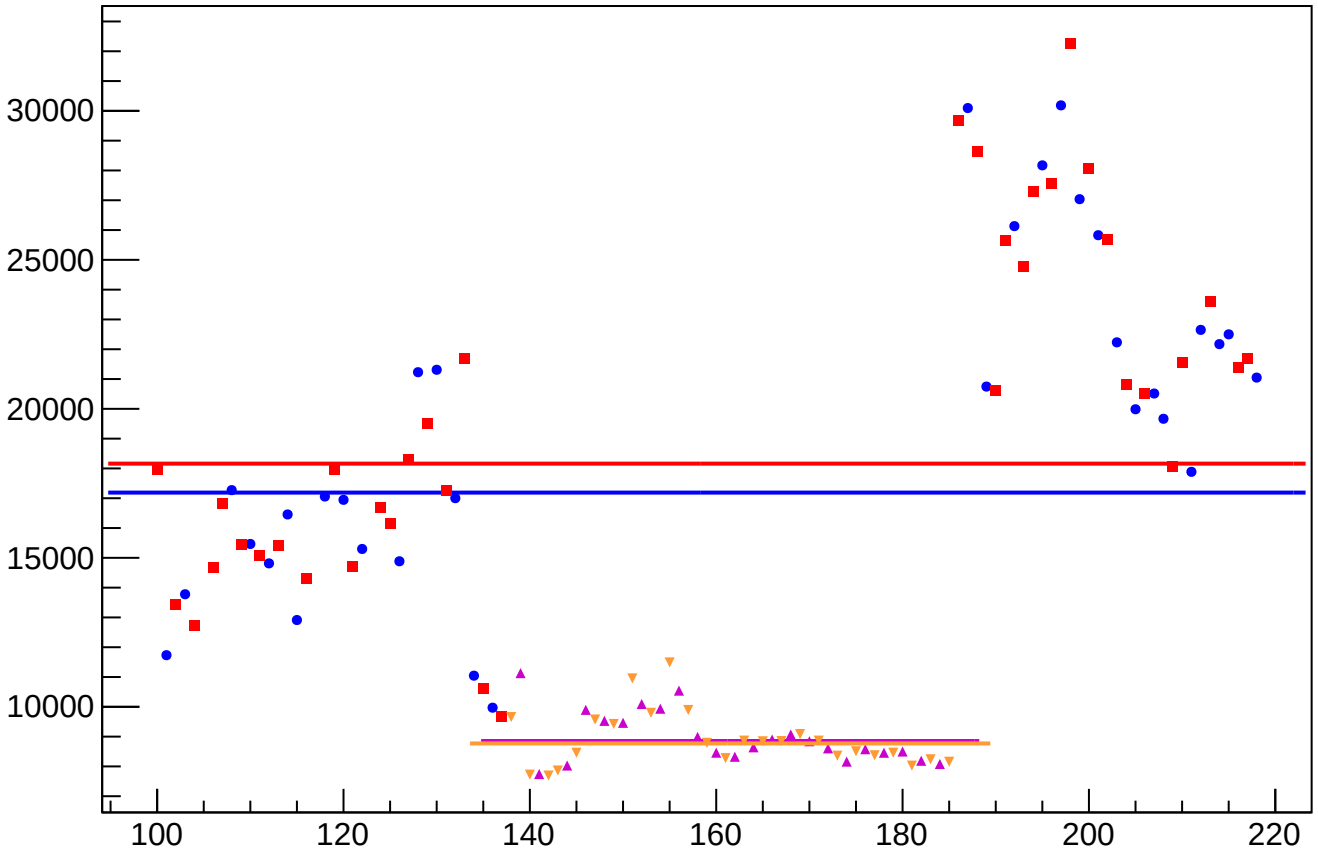
Left In: -0.628+/-2.079 χ^2/NDF:29.5/22

+ sign -10.772+/-1.796 χ^2/NDF: 112.4/56

All: -7.437+/-1.292 χ^2/NDF: 197.6/115

- sign -3.854+/-1.861 χ^2/NDF: 78.0/58

diff_bpm_4aX_4acX_avg_rms vs Slug



Right In: 17189.283+/-2.845 χ^2/NDF: 3544223.3/31

Left Out: 8770.330+/-1.419 χ^2/NDF:345180.6/24

Right Out: 18161.207+/-2.952 χ^2/NDF: 3341826.6/35

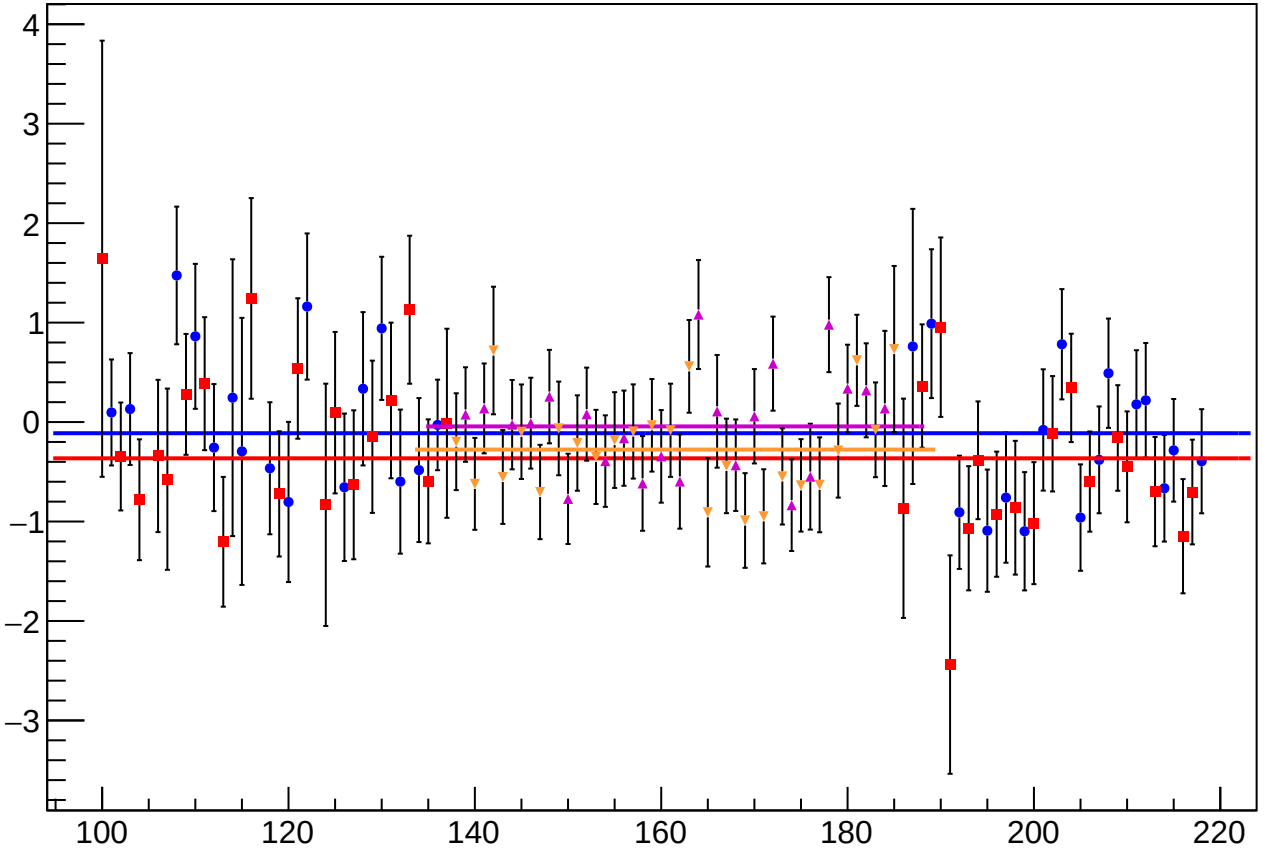
Left In: 8852.820+/-1.470 χ^2/NDF:299860.4/22

+ sign 10446.638+/-1.270 χ^2/NDF: 10900571.2/56

All: 10570.102+/-0.914 χ^2/NDF: 22527859.4

- sign 10702.755+/-1.316 χ^2/NDF: 11607673.2/58

diff_bpm_4aX_4acX_dd_mean vs Slug



Right In: -0.112+/-0.111 χ^2/NDF: 34.8/31

Left Out: -0.277+/-0.097 χ^2/NDF:21.0/24

Right Out: -0.364+/-0.112 χ^2/NDF: 31.4/35

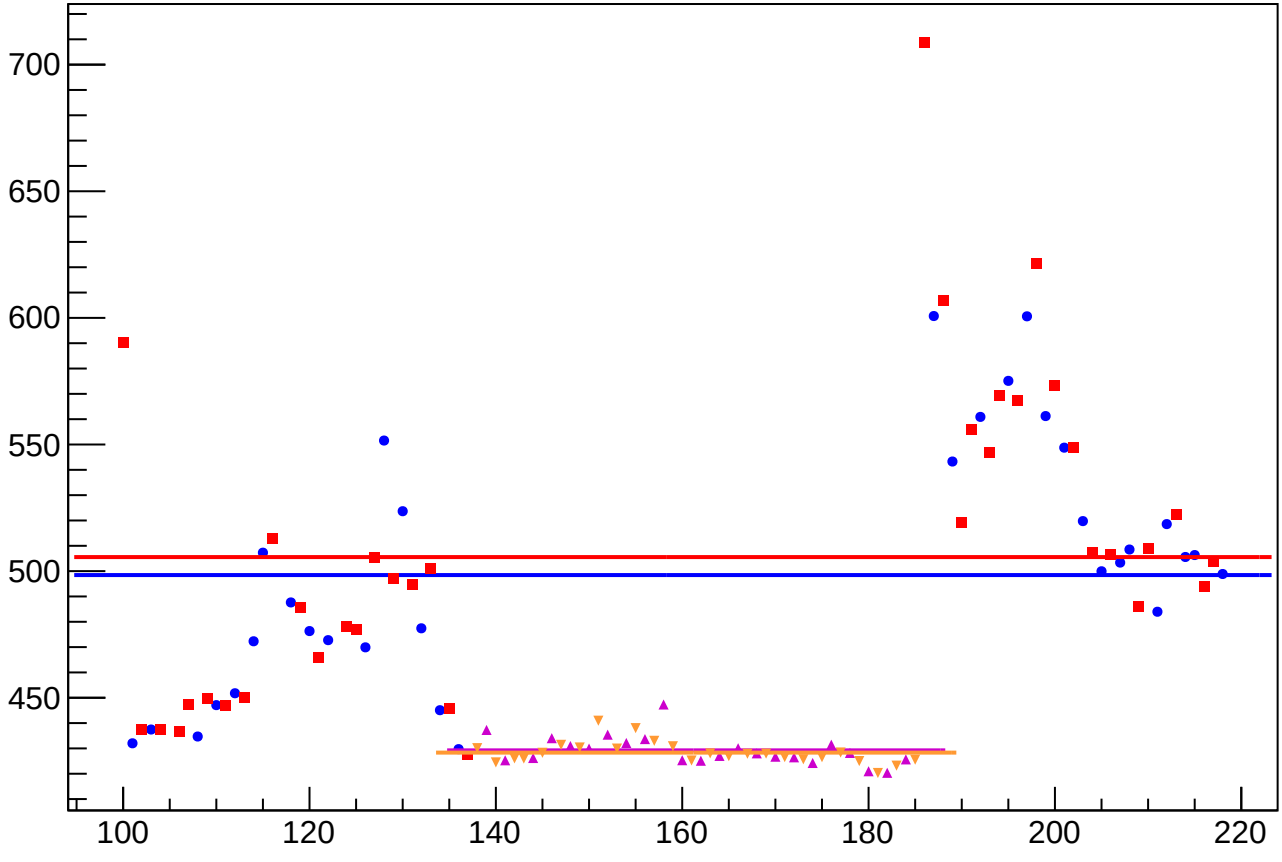
Left In: -0.044+/-0.100 χ^2/NDF:23.8/22

+ sign -0.205+/-0.073 χ^2/NDF: 57.0/56

All: -0.196+/-0.052 χ^2/NDF: 116.8/115

- sign -0.187+/-0.075 χ^2/NDF: 59.7/58

diff_bpm_4aX_4acX_dd_rms vs Slug



Right In: 498.448+/-0.079 χ^2/NDF: 336957.6/31

Left Out: 428.343+/-0.069 χ^2/NDF:4016.5/24

Right Out: 505.549+/-0.079 χ^2/NDF: 452617.4/35

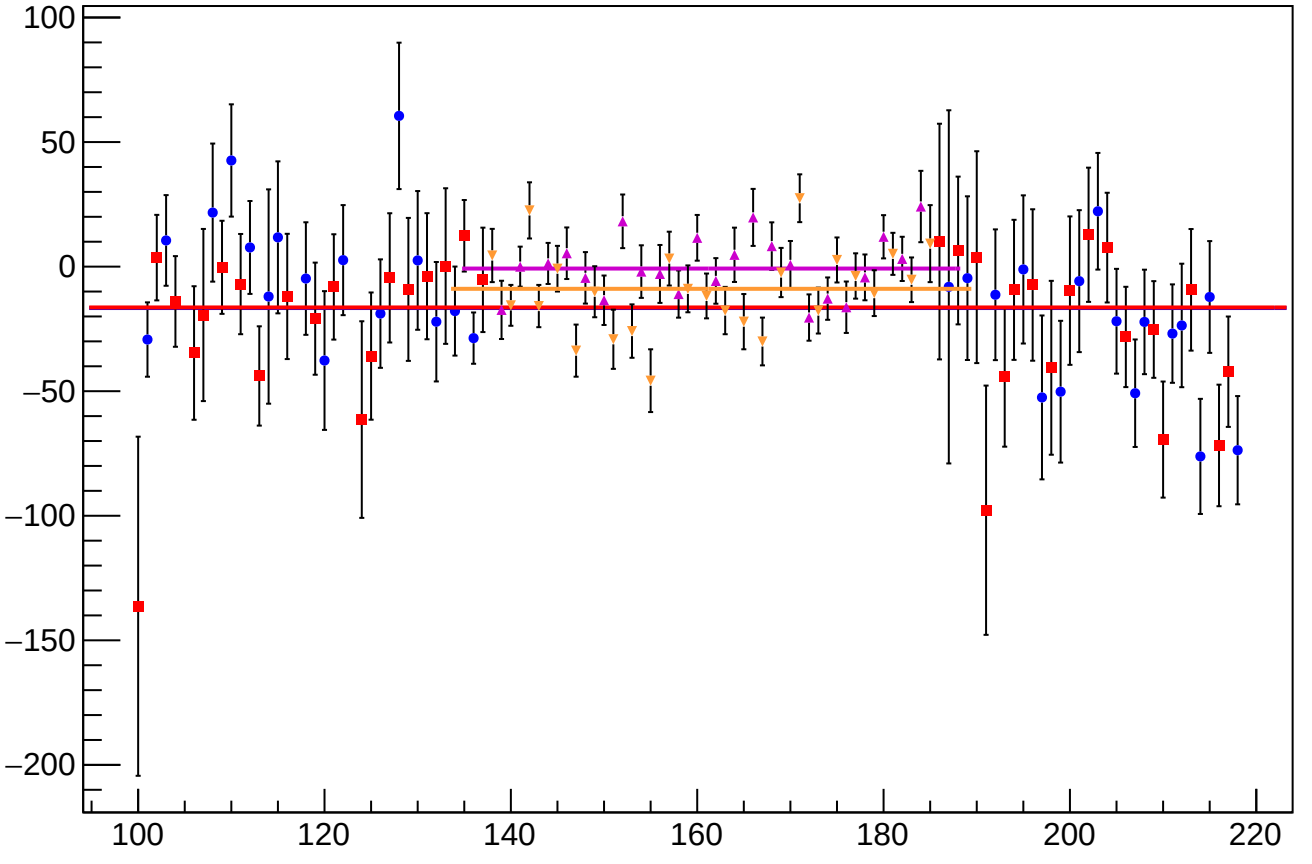
Left In: 429.228+/-0.071 χ^2/NDF:6749.9/22

+ sign 458.691+/-0.052 χ^2/NDF: 790381.7/56

All: 460.938+/-0.037 χ^2/NDF: 1770761.3/115

- sign 463.267+/-0.053 χ^2/NDF: 976549.2/58

diff_bpm_4aX_4eX_avg_mean vs Slug



Right In: -16.617+/-3.916 χ^2/NDF: 47.3/31

Left Out: -8.904+/-1.961 χ^2/NDF:61.6/24

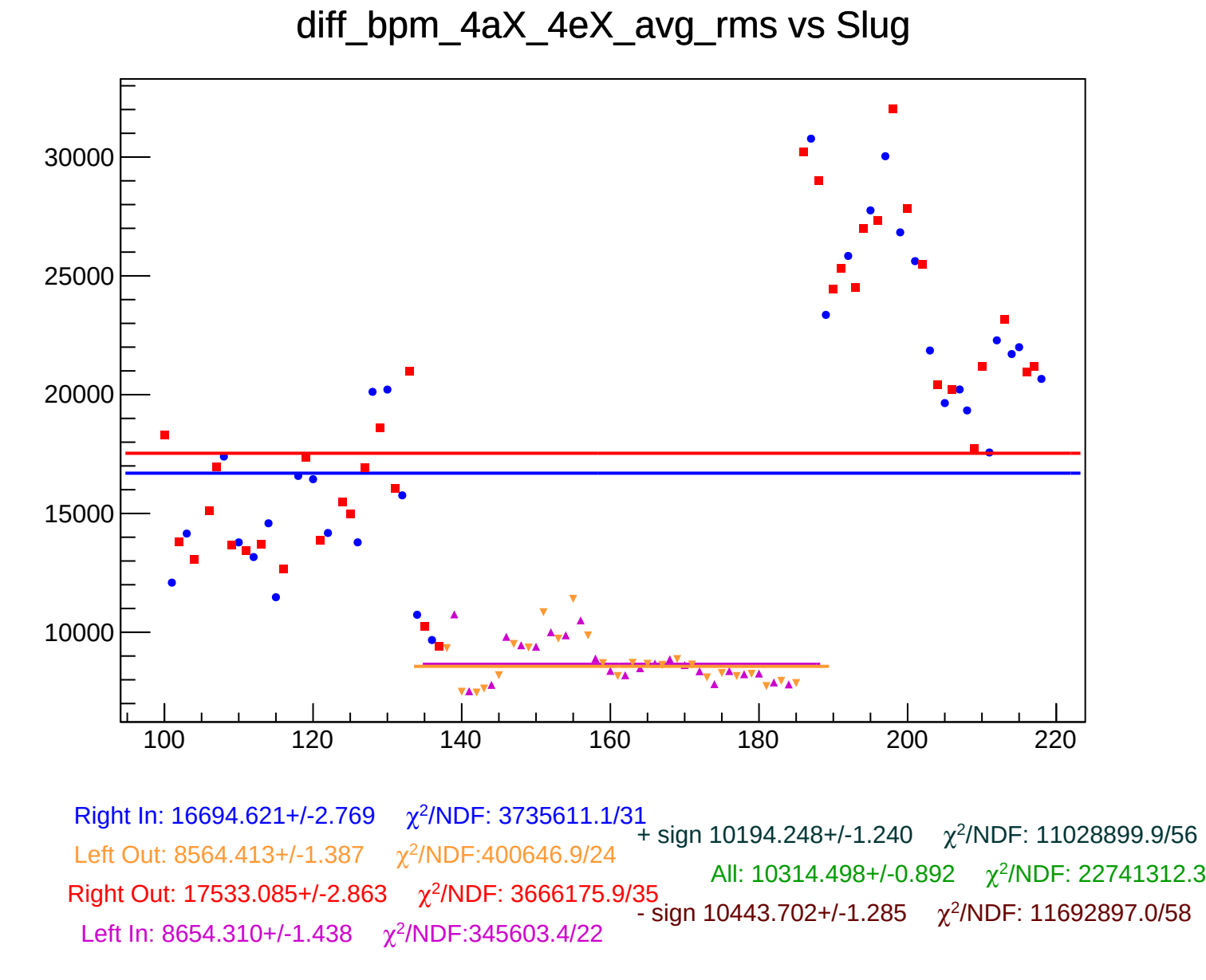
Right Out: -16.388+/-4.048 χ^2/NDF: 35.2/35

Left In: -0.773+/-2.034 χ^2/NDF:29.3/22

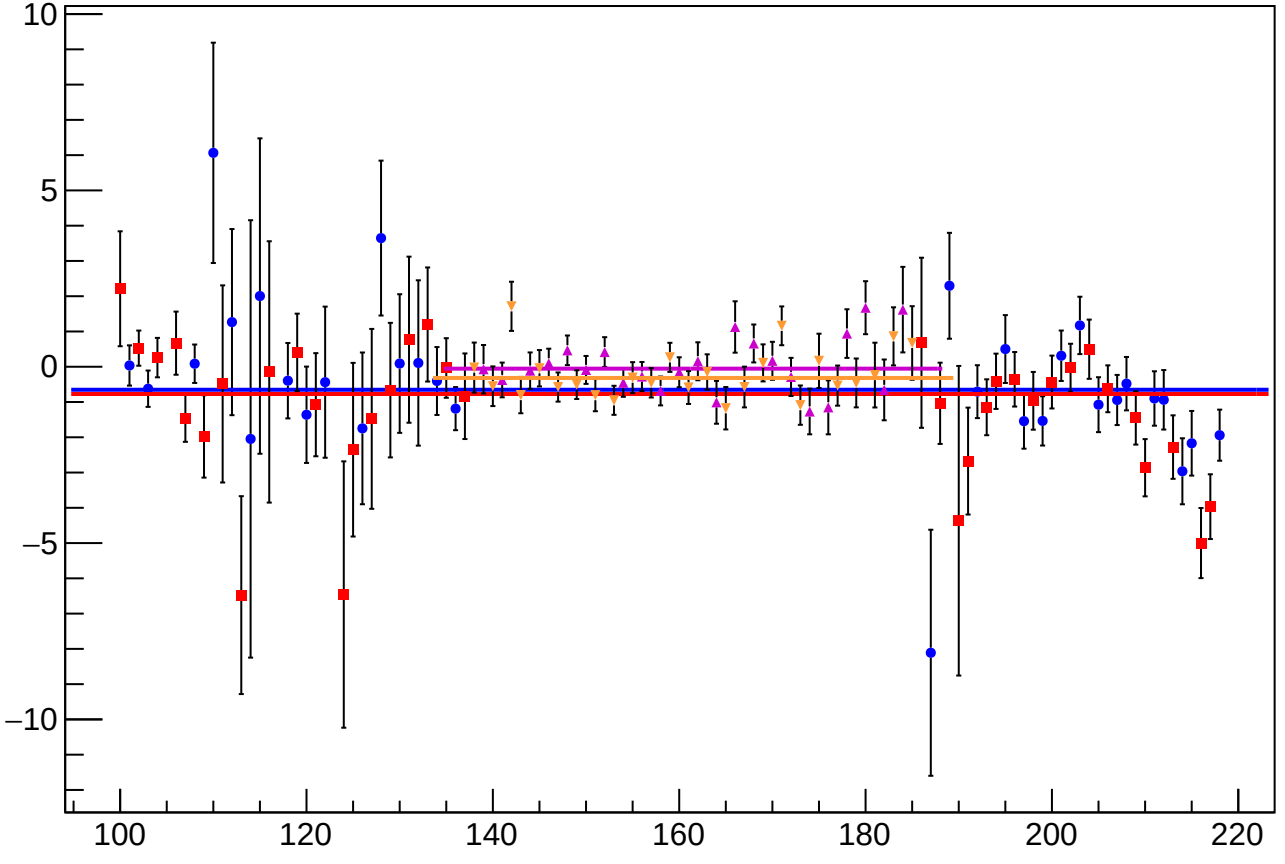
+ sign -10.451+/-1.753 χ^2/NDF: 111.9/56

All: -7.302+/-1.262 χ^2/NDF: 195.0/115

- sign -3.920+/-1.817 χ^2/NDF: 76.3/58


diff_bpm_4aX_4eX_avg_rms vs Slug
30000
25000
20000
15000
10000
100
120
140
160
180
200
220
Right In: 16694.621+/-2.769 χ²/NDF: 3735611.1/31
Left Out: 8564.413+/-1.387 χ²/NDF:400646.9/24
Right Out: 17533.085+/-2.863 χ²/NDF: 3666175.9/35
Left In: 8654.310+/-1.438 χ²/NDF:345603.4/22
+ sign 10194.248+/-1.240 χ²/NDF: 11028899.9/56
All: 10314.498+/-0.892 χ²/NDF: 22741312.3
- sign 10443.702+/-1.285 χ²/NDF: 11692897.0/58

diff_bpm_4aX_4eX_dd_mean vs Slug



Right In: -0.652+/-0.158 χ^2/NDF: 46.7/31

Left Out: -0.318+/-0.106 χ^2/NDF:32.3/24

Right Out: -0.773+/-0.160 χ^2/NDF: 76.7/35

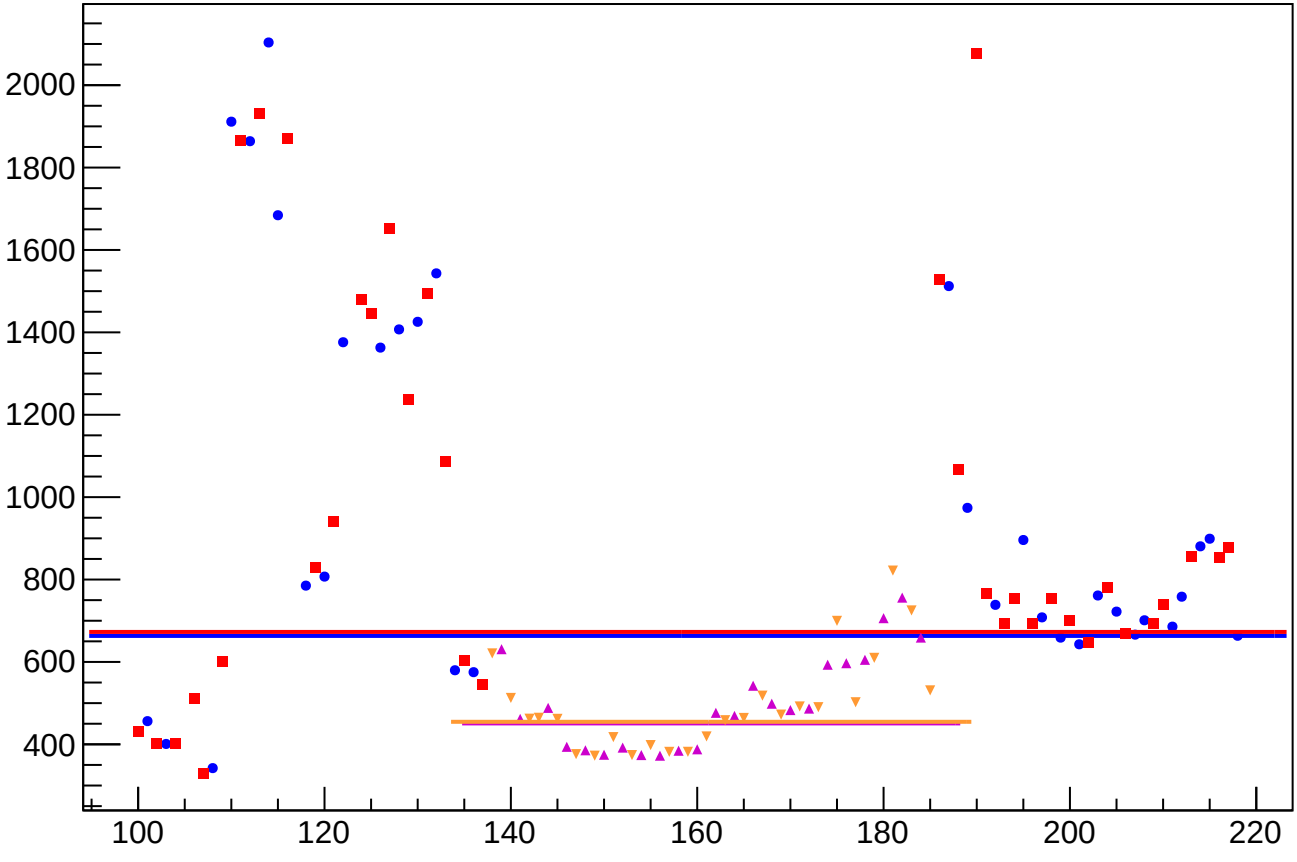
Left In: -0.054+/-0.108 χ^2/NDF:29.8/22

+ sign -0.421+/-0.088 χ^2/NDF: 82.1/56

All: -0.351+/-0.063 χ^2/NDF: 203.7/115

- sign -0.279+/-0.090 χ^2/NDF: 120.3/58

diff_bpm_4aX_4eX_dd_rms vs Slug



Right In: 663.166+/-0.112 χ^2/NDF: 4433665.3/31

Left Out: 454.697+/-0.075 χ^2/NDF:1451363.0/24

Right Out: 672.850+/-0.113 χ^2/NDF: 5002744.5/35

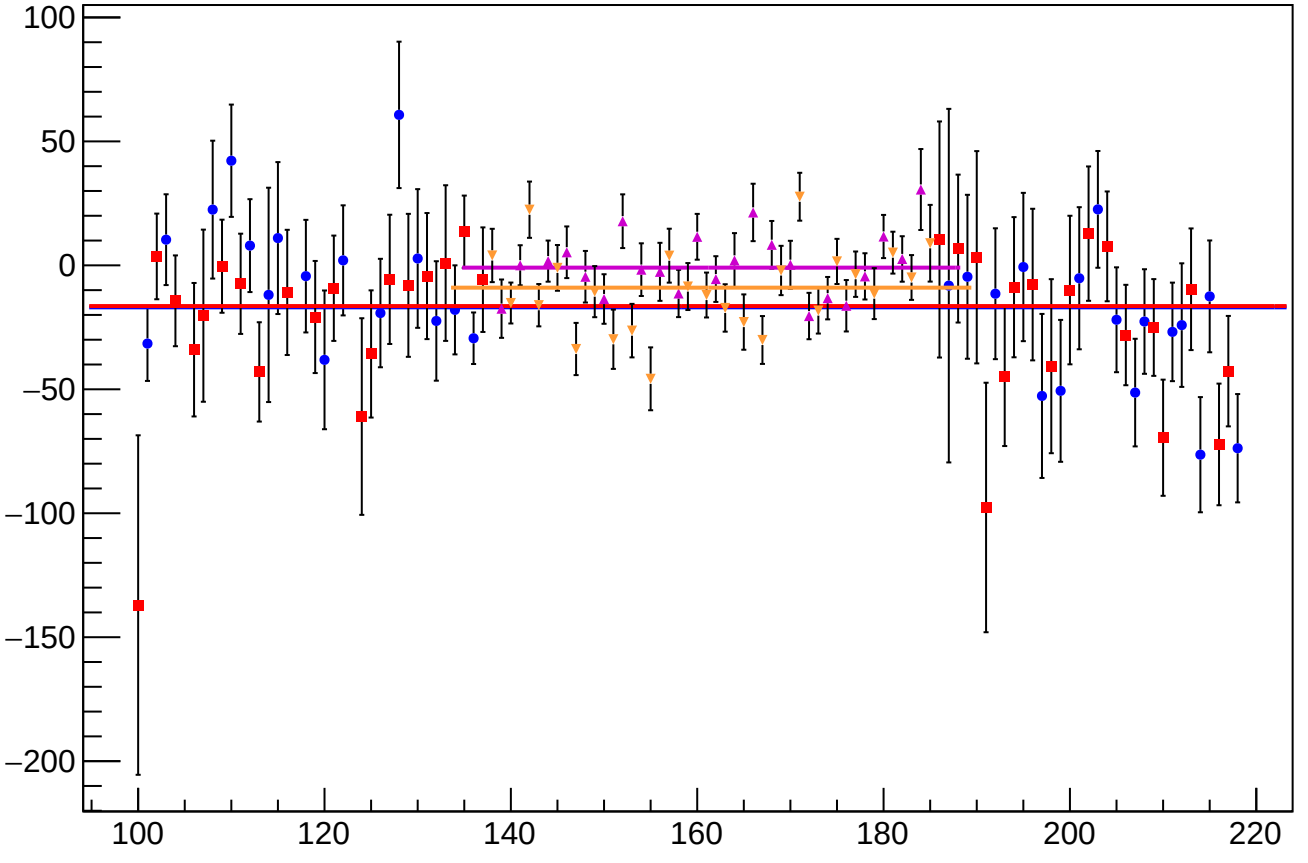
Left In: 450.767+/-0.076 χ^2/NDF:1471497.9/22

+ sign 519.343+/-0.062 χ^2/NDF: 8284931.1/56

All: 519.721+/-0.044 χ^2/NDF: 17393283.0/11

- sign 520.114+/-0.063 χ^2/NDF: 9108276.6/58

diff_bpm_4aX_4ecX_avg_mean vs Slug



Right In: -16.931+/-3.941 χ^2/NDF: 47.5/31

Left Out: -9.001+/-1.982 χ^2/NDF:61.3/24

Right Out: -16.424+/-4.075 χ^2/NDF: 34.9/35

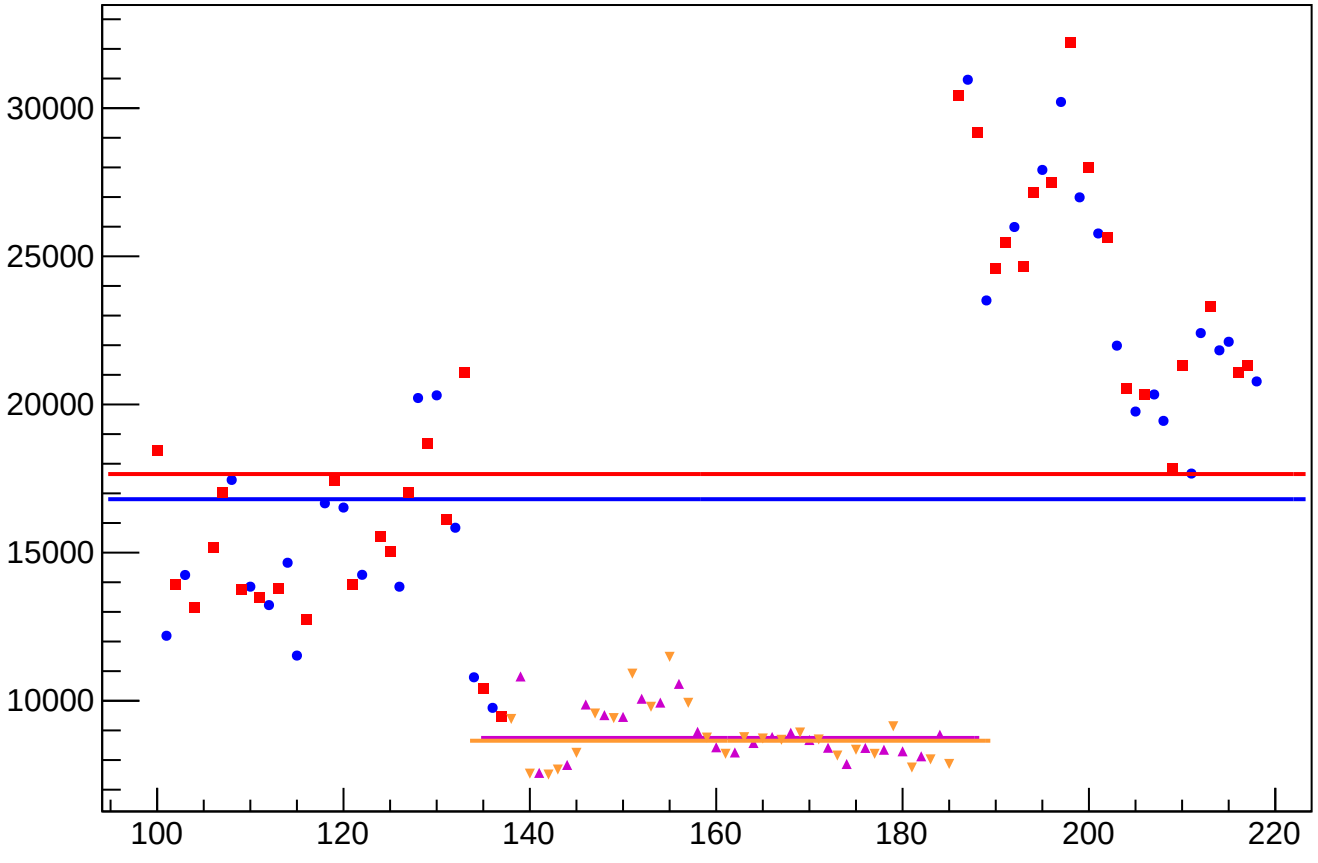
Left In: -0.925+/-2.056 χ^2/NDF:29.9/22

+ sign -10.601+/-1.770 χ^2/NDF: 112.0/56

All: -7.453+/-1.274 χ^2/NDF: 194.9/115

- sign -4.070+/-1.835 χ^2/NDF: 76.3/58

diff_bpm_4aX_4ecX_avg_rms vs Slug



Right In: 16803.250+/-2.786 χ^2/NDF: 3717463.6/31

Left Out: 8651.872+/-1.401 χ^2/NDF:405419.4/24

Right Out: 17651.935+/-2.881 χ^2/NDF: 3641007.5/35

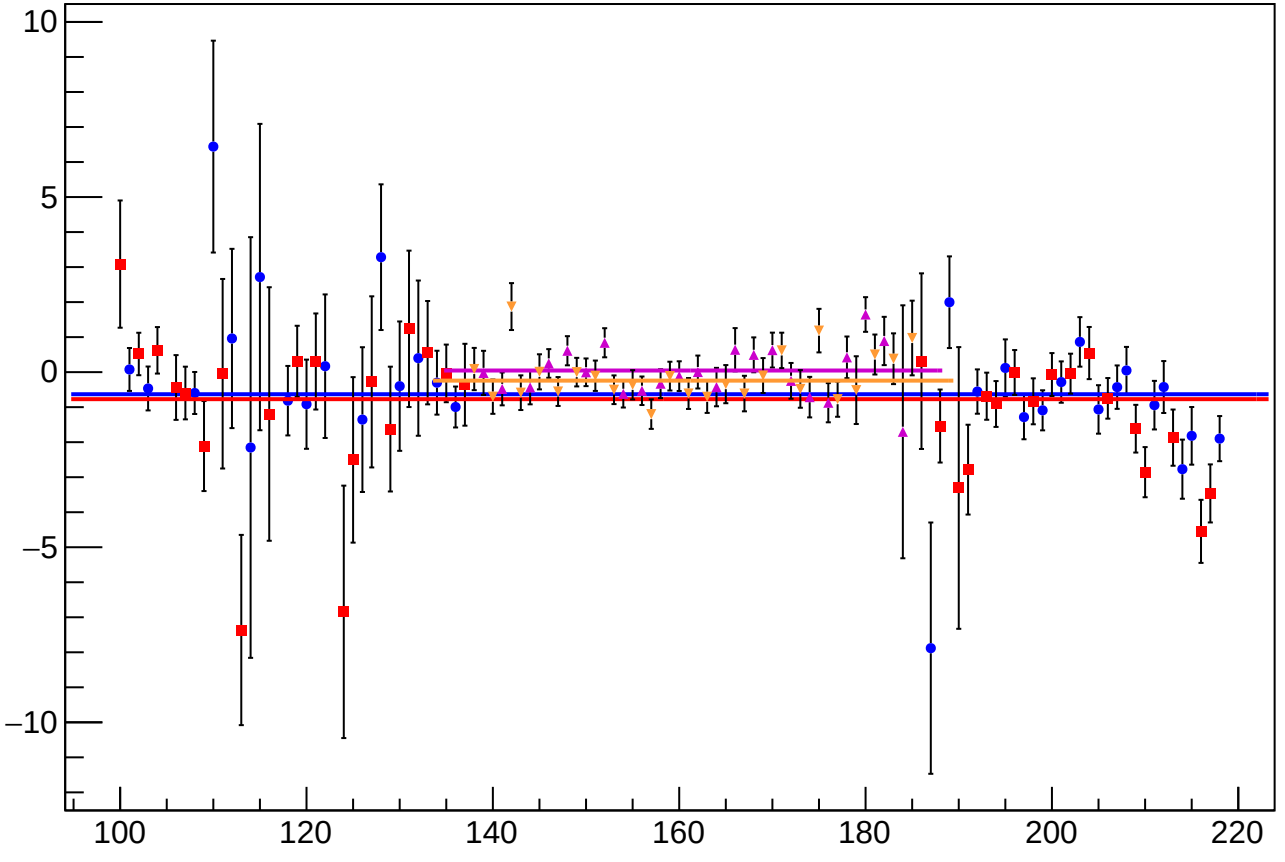
Left In: 8746.106+/-1.454 χ^2/NDF:331167.0/22

+ sign 10297.300+/-1.252 χ^2/NDF: 10953051.9/56

All: 10420.526+/-0.901 χ^2/NDF: 22561491.3/

- sign 10552.937+/-1.298 χ^2/NDF: 11588340.7/58

diff_bpm_4aX_4ecX_dd_mean vs Slug



Right In: -0.631+/-0.147 χ^2/NDF: 42.2/31

Left Out: -0.242+/-0.100 χ^2/NDF:34.3/24

Right Out: -0.772+/-0.150 χ^2/NDF: 79.8/35

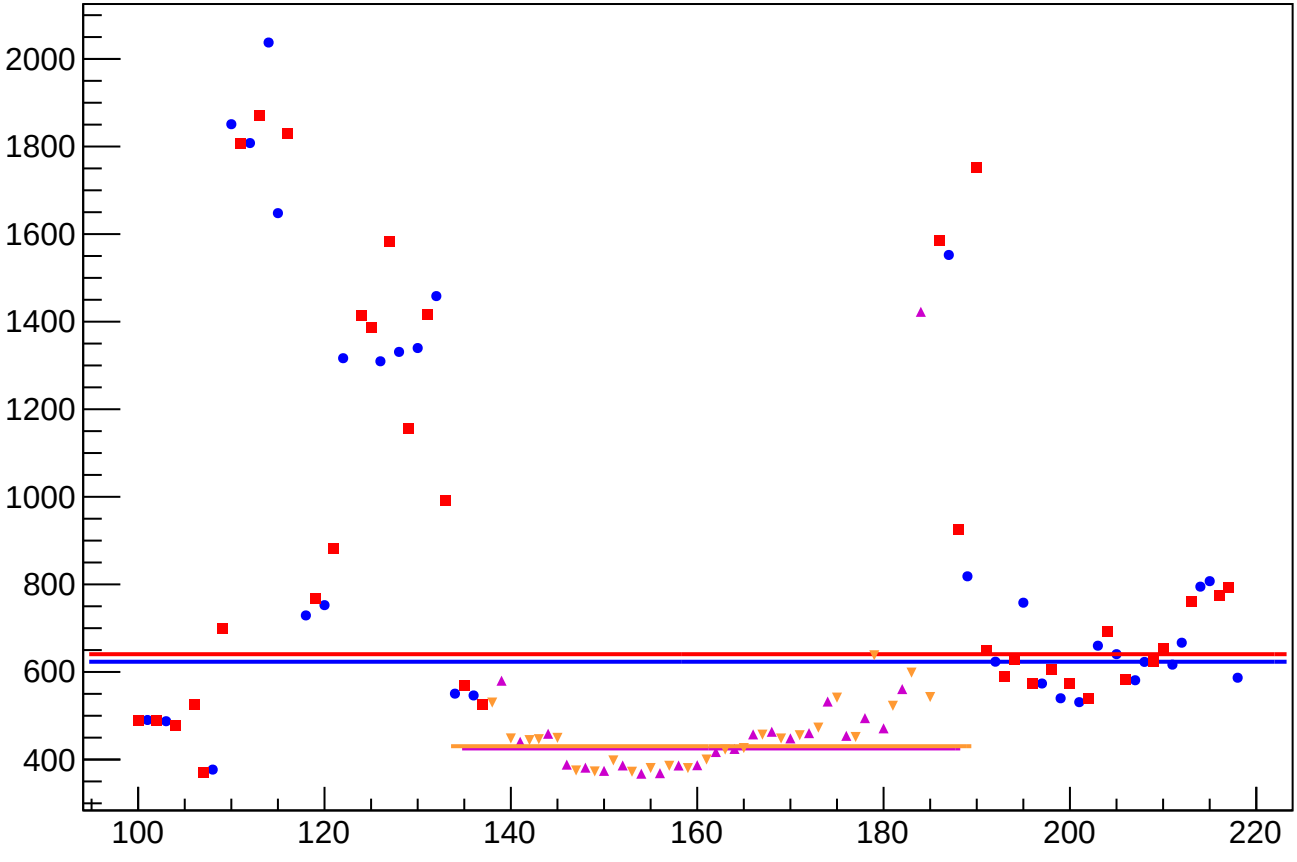
Left In: 0.047+/-0.102 χ^2/NDF:35.1/22

+ sign -0.366+/-0.083 χ^2/NDF: 81.3/56

All: -0.289+/-0.059 χ^2/NDF: 218.2/115

- sign -0.210+/-0.084 χ^2/NDF: 135.1/58

diff_bpm_4aX_4ecX_dd_rms vs Slug



Right In: 623.338+/-0.104 χ^2/NDF: 3408695.6/31

Left Out: 430.437+/-0.071 χ^2/NDF:648114.1/24

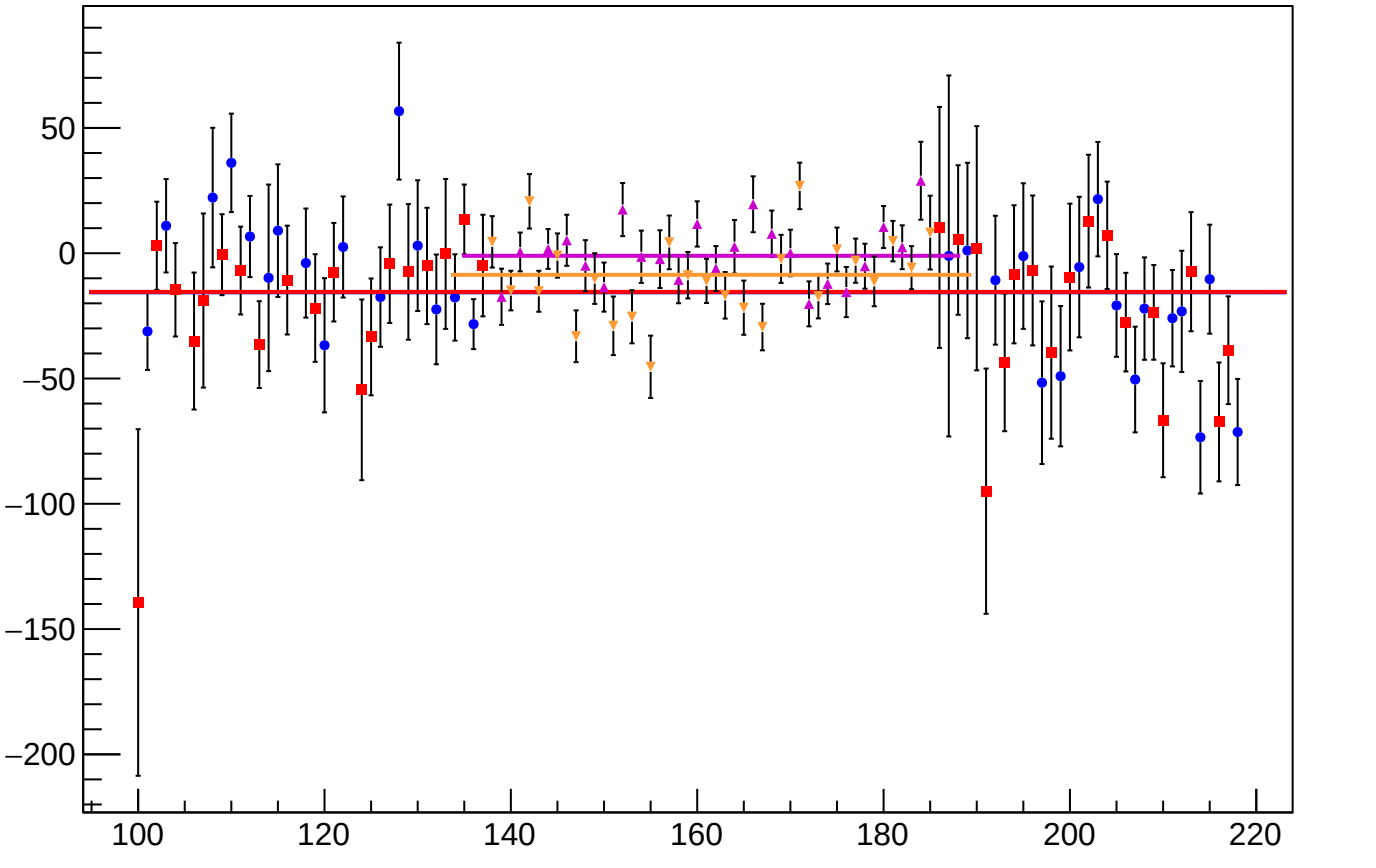
Right Out: 640.581+/-0.106 χ^2/NDF: 3692398.9/35

Left In: 425.312+/-0.072 χ^2/NDF:716953.2/22

+ sign 491.806+/-0.059 χ^2/NDF: 6414537.7/56

All: 492.260+/-0.042 χ^2/NDF: 13636779.8/11

- sign 492.730+/-0.060 χ^2/NDF: 7222119.5/58



Right In: -15.602+/-3.762 χ^2/NDF: 48.5/31

Left Out: -8.623+/-1.913 χ^2/NDF:61.6/24

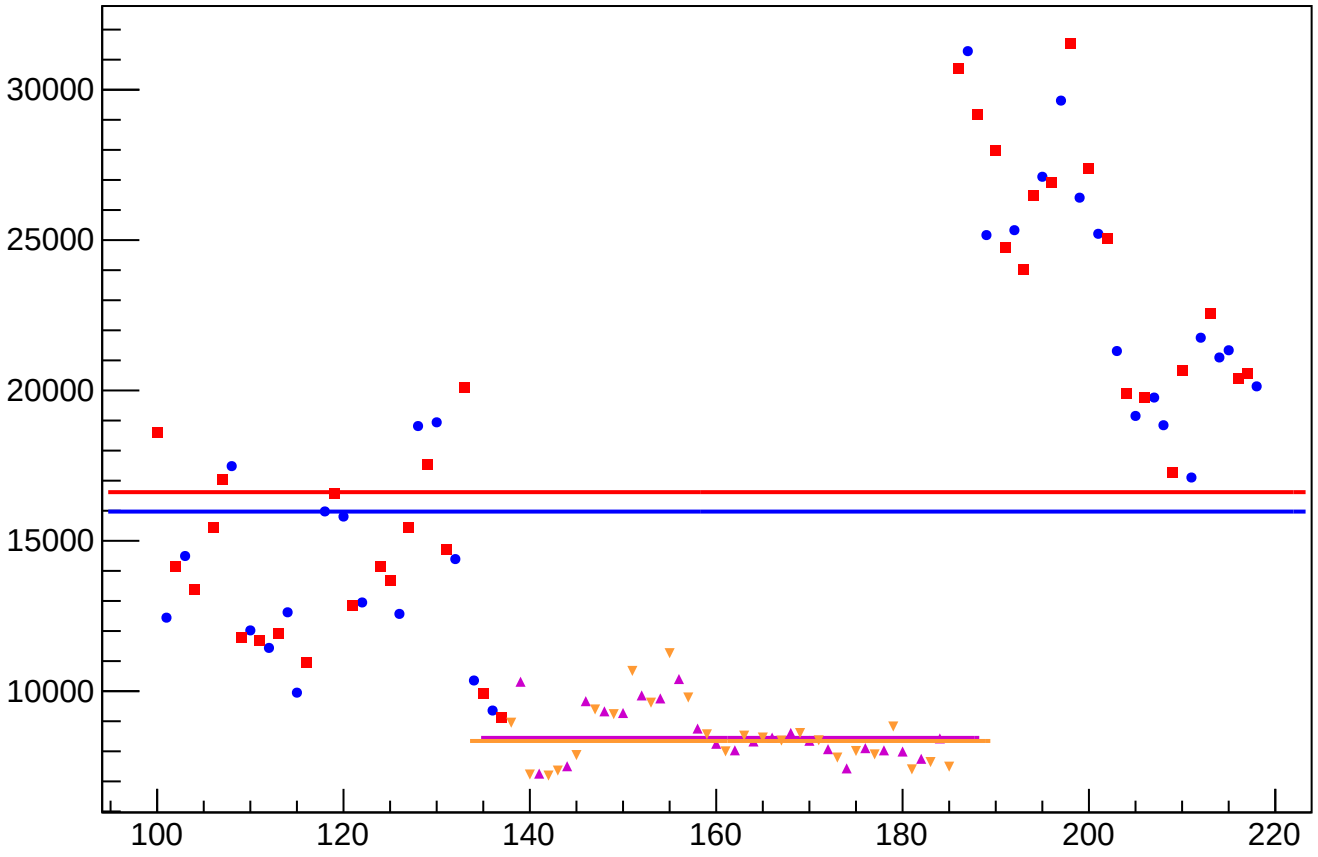
Right Out: -15.420+/-3.866 χ^2/NDF: 34.0/35

Left In: -1.027+/-1.987 χ^2/NDF:29.8/22

+ sign -10.057+/-1.705 χ^2/NDF: 112.8/56

All: -7.152+/-1.227 χ^2/NDF: 193.6/115

- sign -4.034+/-1.767 χ^2/NDF: 74.8/58



Right In: 15972.322+/-2.660 χ^2/NDF: 4059081.8/31

Left Out: 8344.309+/-1.353 χ^2/NDF:469243.6/24

Right Out: 16618.505+/-2.734 χ^2/NDF: 4207278.2/35

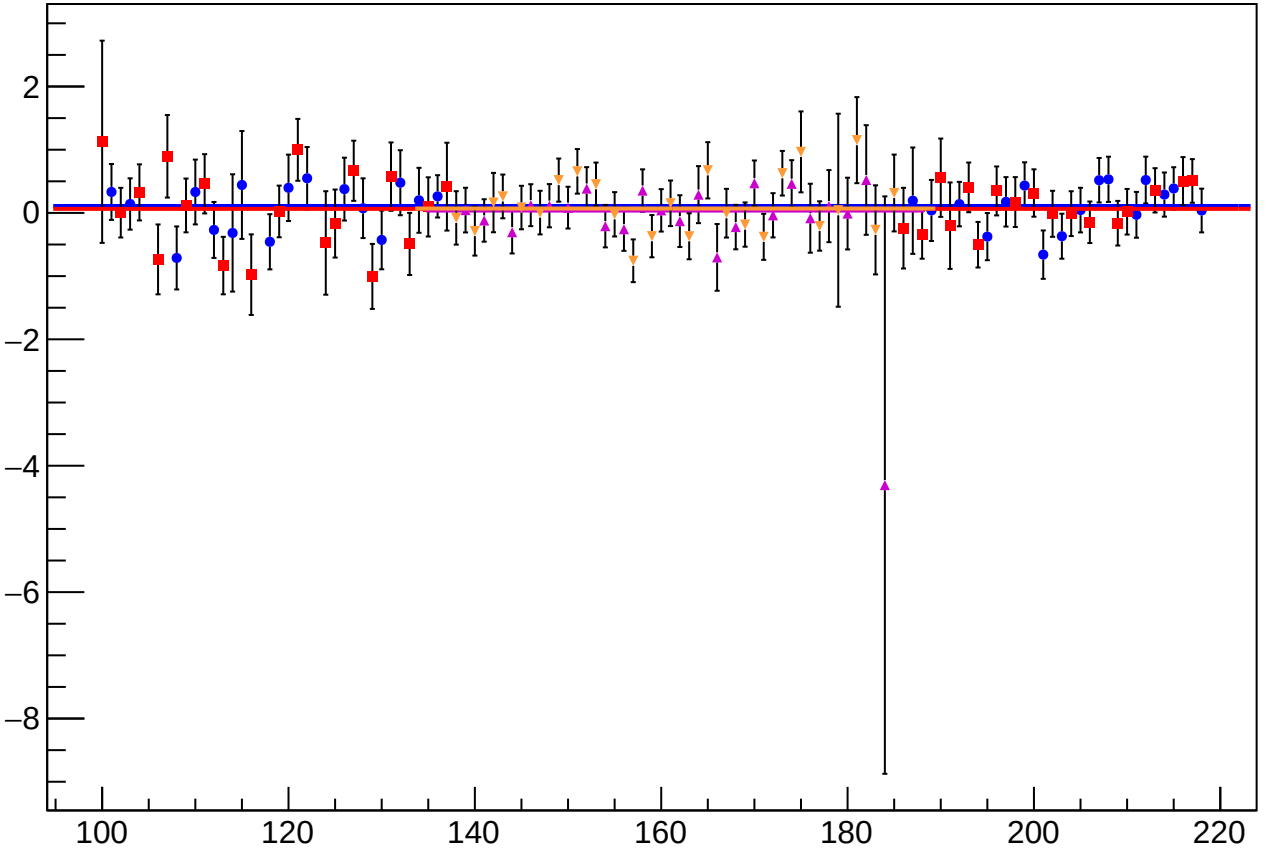
Left In: 8446.686+/-1.405 χ^2/NDF:381901.7/22

+ sign 9911.536+/-1.206 χ^2/NDF: 11061531.8/56

All: 10028.274+/-0.868 χ^2/NDF: 22738689.4

- sign 10153.625+/-1.249 χ^2/NDF: 11657719.6/58

diff_bpm_4eX_4ecX_dd_mean vs Slug



Right In: 0.109+/-0.074 χ^2/NDF: 22.9/31

Left Out: 0.069+/-0.079 χ^2/NDF:28.2/24

Right Out: 0.064+/-0.074 χ^2/NDF: 35.5/35

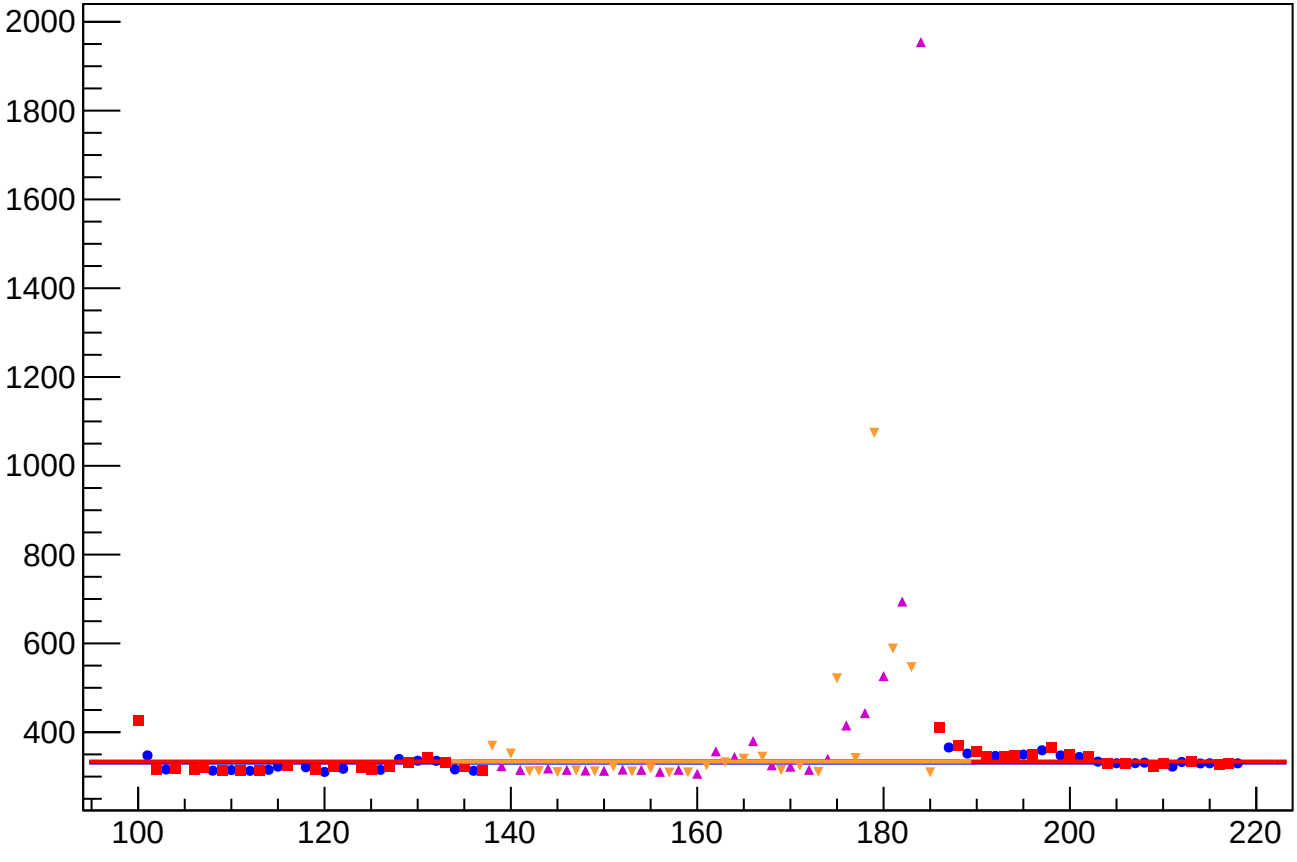
Left In: 0.037+/-0.081 χ^2/NDF:11.7/22

+ sign 0.091+/-0.054 χ^2/NDF: 51.3/56

All: 0.071+/-0.038 χ^2/NDF: 98.8/115

- sign 0.052+/-0.054 χ^2/NDF: 47.2/58

diff_bpm_4eX_4ecX_dd_rms vs Slug



Right In: 331.475+/-0.052 χ^2/NDF: 64373.9/31

Left Out: 333.783+/-0.056 χ^2/NDF:1217257.0/24

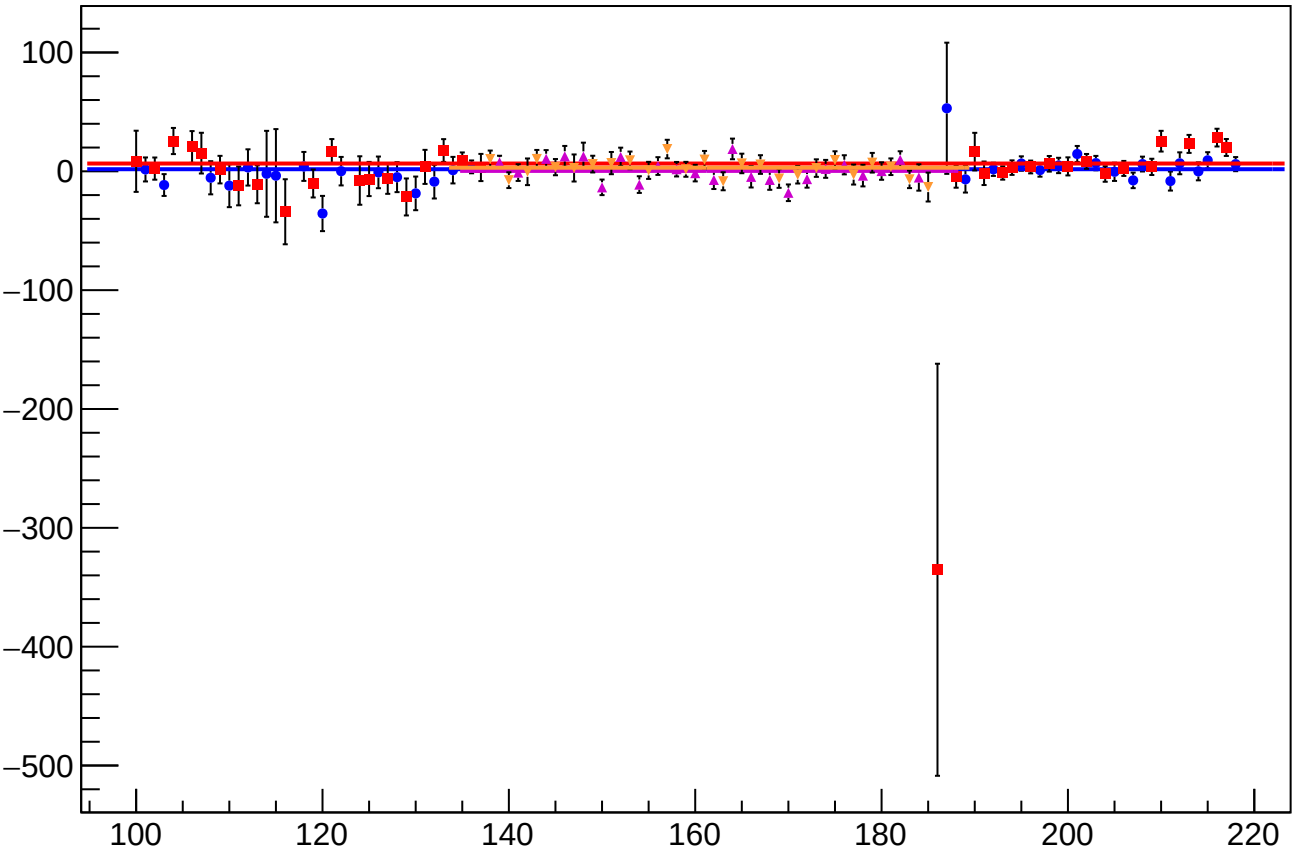
Right Out: 333.971+/-0.052 χ^2/NDF: 119761.1/35

Left In: 333.979+/-0.057 χ^2/NDF:1050984.2/22

+ sign 332.551+/-0.038 χ^2/NDF: 1282541.2/56

All: 333.257+/-0.027 χ^2/NDF: 2453975.7/115

- sign 333.974+/-0.038 χ^2/NDF: 1170745.3/58



Right In: 1.768+/-1.487 χ^2/NDF: 25.3/31

Left Out: 3.023+/-1.542 χ^2/NDF:20.3/24

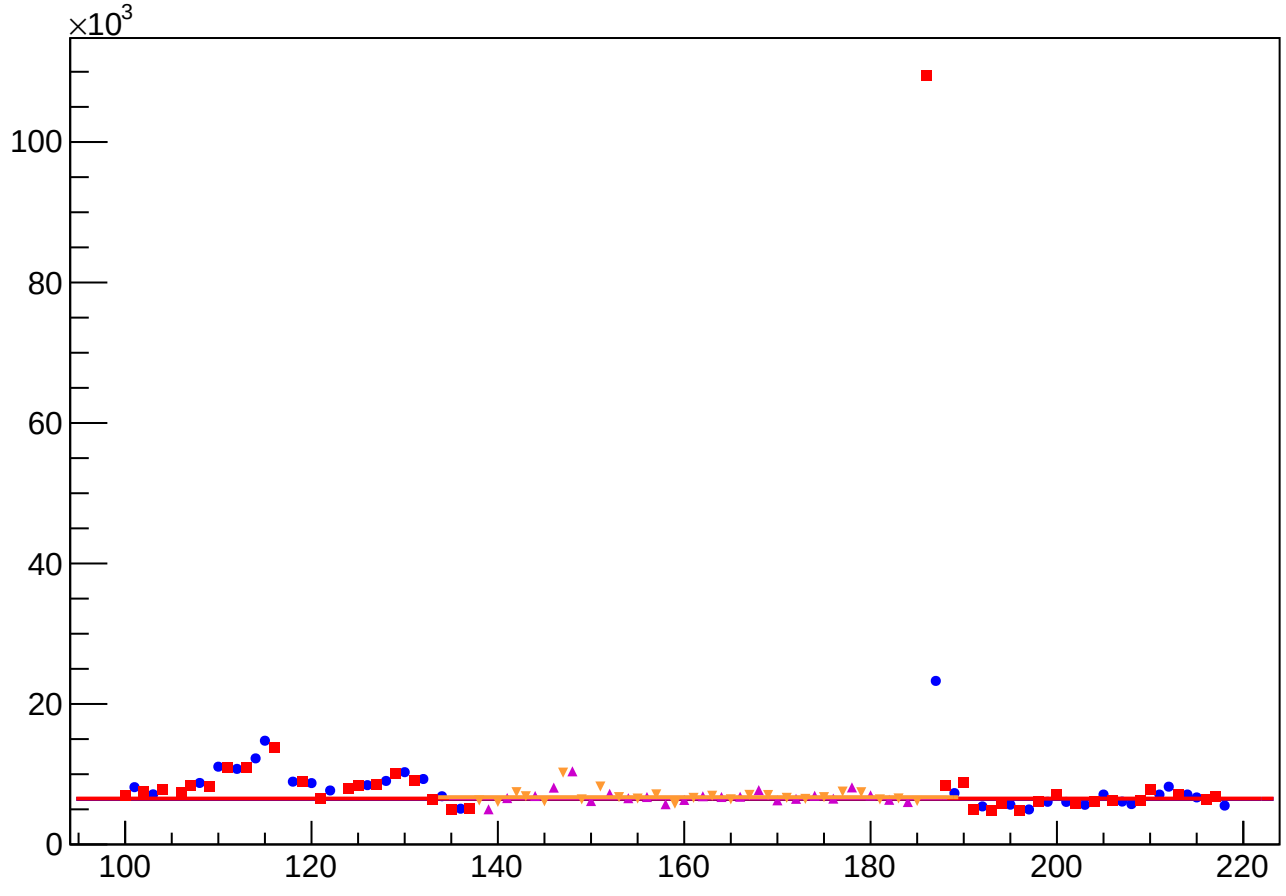
Right Out: 6.549+/-1.494 χ^2/NDF: 52.8/35

Left In: 0.351+/-1.568 χ^2/NDF:33.8/22

+ sign 2.373+/-1.070 χ^2/NDF: 46.0/56

All: 2.980+/-0.761 χ^2/NDF: 141.4/115

- sign 3.601+/-1.082 χ^2/NDF: 94.8/58



Right In: 6470.690+/-1.051 χ^2/NDF: 1885280.3/31

Left Out: 6722.984+/-1.090 χ^2/NDF:403317.7/24

Right Out: 6527.713+/-1.056 χ^2/NDF: 2444949.8/35

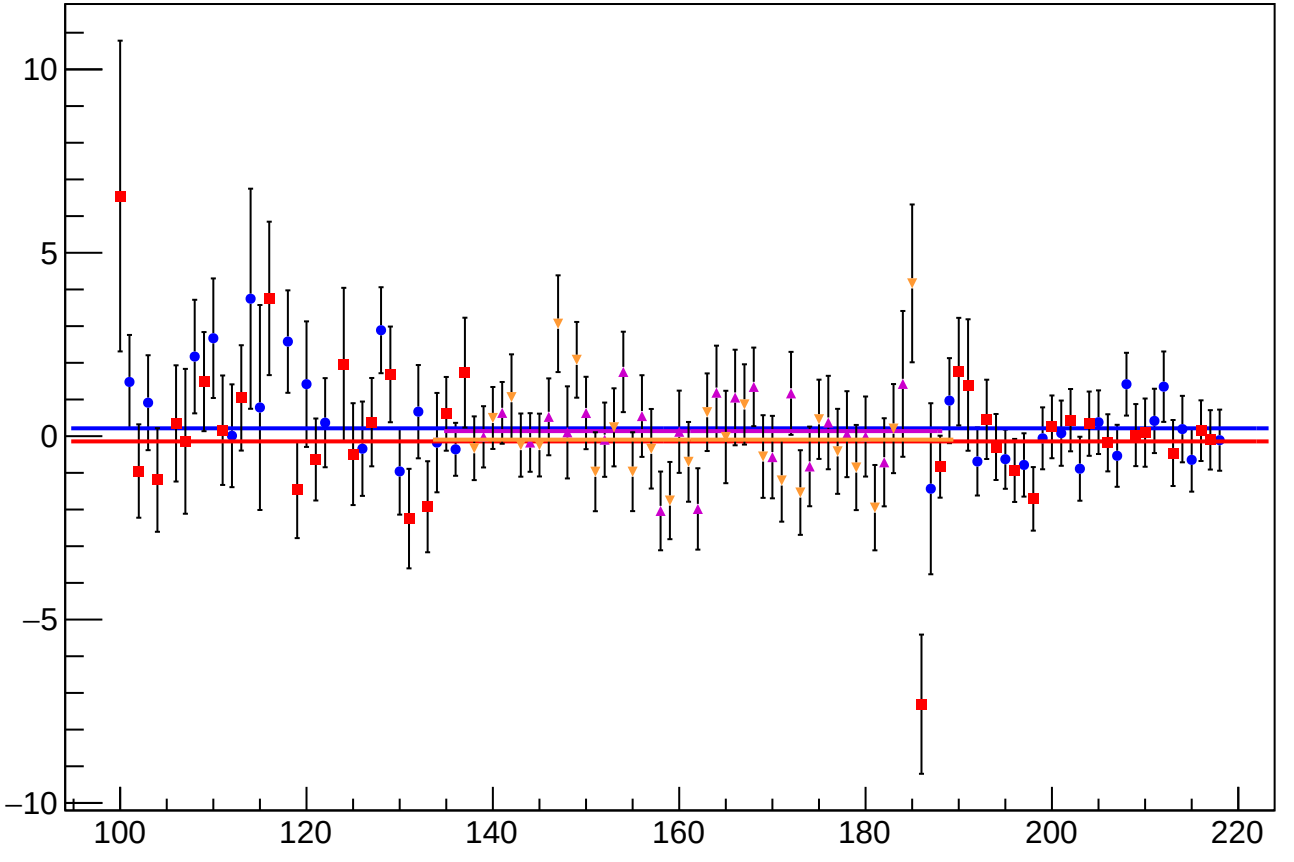
Left In: 6632.723+/-1.109 χ^2/NDF:629490.9/22

+ sign 6592.273+/-0.757 χ^2/NDF: 2316349.4/56

All: 6585.045+/-0.538 χ^2/NDF: 5395675.9/11

- sign 6577.662+/-0.765 χ^2/NDF: 3079142.1/58

diff_bpm_4aY_4acY_dd_mean vs Slug



Right In: 0.214+/-0.186 χ^2/NDF: 28.6/31

Left Out: -0.095+/-0.215 χ^2/NDF:27.3/24

Right Out: -0.143+/-0.185 χ^2/NDF: 43.3/35

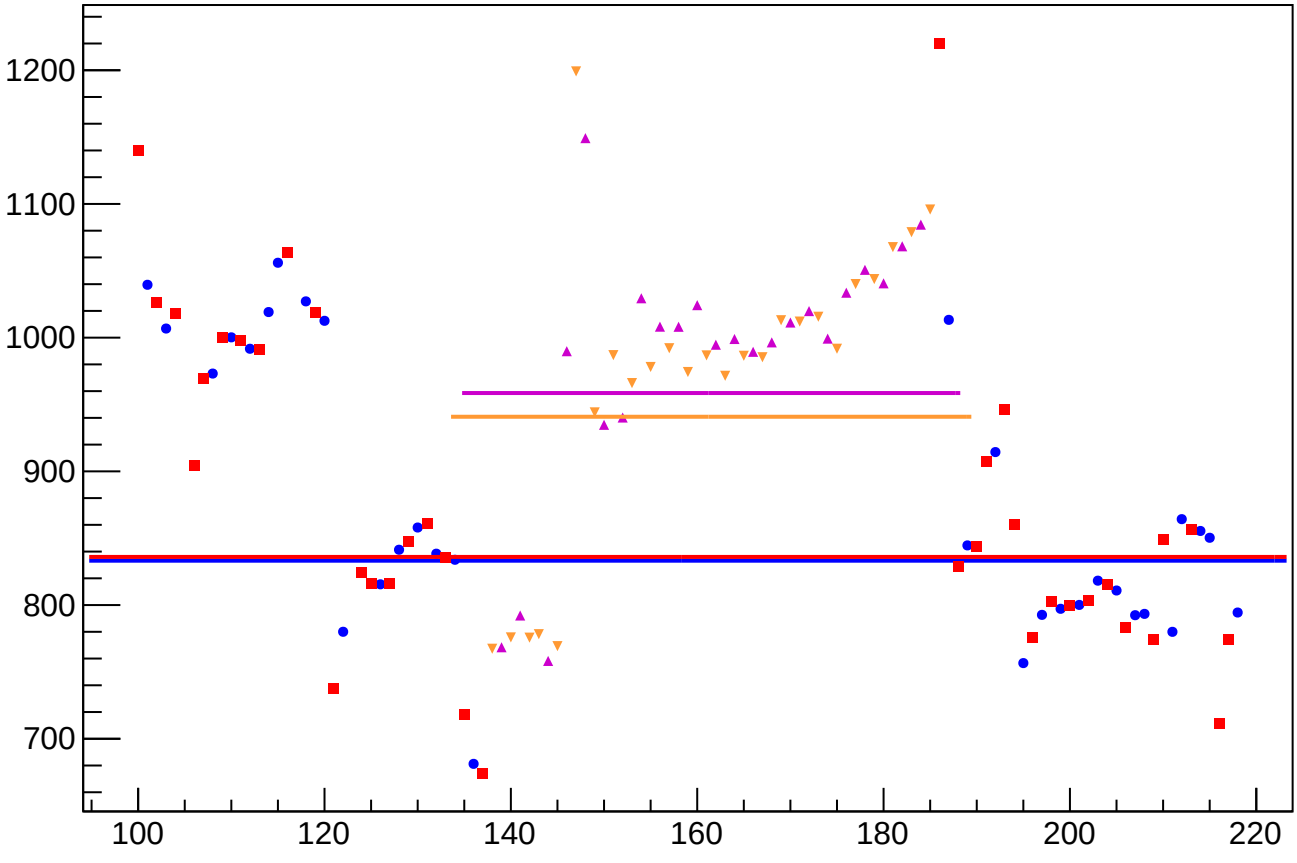
Left In: 0.138+/-0.225 χ^2/NDF:16.5/22

+ sign 0.082+/-0.141 χ^2/NDF: 57.1/56

All: 0.027+/-0.100 χ^2/NDF: 118.1/115

- sign -0.030+/-0.143 χ^2/NDF: 60.7/58

diff_bpm_4aY_4acY_dd_rms vs Slug



Right In: 833.188+/-0.132 χ^2/NDF: 408457.3/31

Left Out: 940.844+/-0.152 χ^2/NDF:568776.0/24

Right Out: 835.999+/-0.131 χ^2/NDF: 513247.2/35

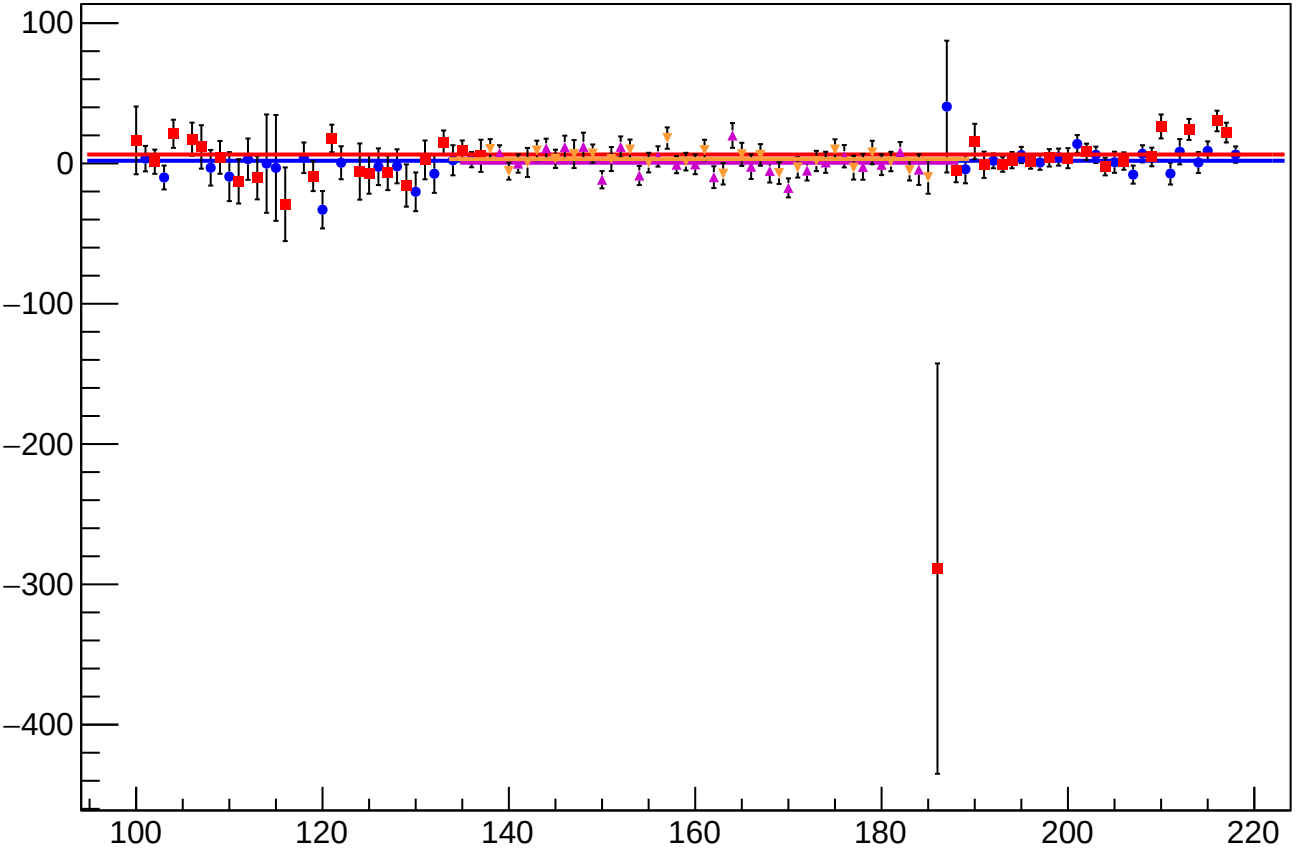
Left In: 958.578+/-0.159 χ^2/NDF:456824.8/22

+ sign 879.248+/-0.100 χ^2/NDF: 1263142.5/56

All: 882.229+/-0.071 χ^2/NDF: 2588831.2/115

- sign 885.297+/-0.101 χ^2/NDF: 1323871.6/58

diff_bpm_4aY_4eY_avg_mean vs Slug



Right In: 1.900+/-1.429 χ^2/NDF: 25.2/31

Left Out: 3.099+/-1.500 χ^2/NDF:18.6/24

Right Out: 6.366+/-1.427 χ^2/NDF: 57.2/35

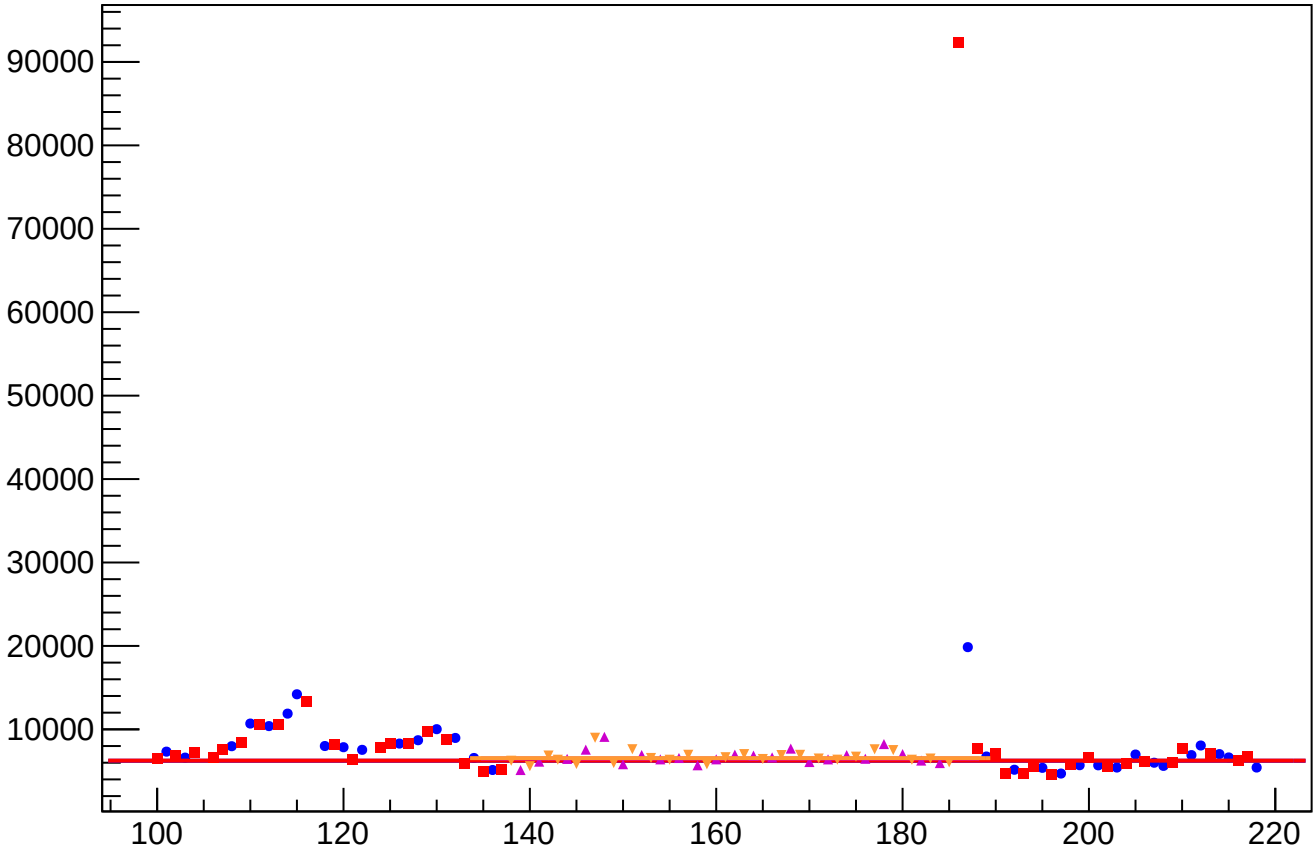
Left In: 0.519+/-1.535 χ^2/NDF:32.0/22

+ sign 2.471+/-1.035 χ^2/NDF: 44.2/56

All: 3.057+/-0.735 χ^2/NDF: 141.9/115

- sign 3.655+/-1.045 χ^2/NDF: 97.0/58

diff_bpm_4aY_4eY_avg_rms vs Slug



Right In: 6231.100+/-1.011 χ^2/NDF: 1806657.8/31

Left Out: 6548.897+/-1.061 χ^2/NDF:366072.4/24

Right Out: 6249.561+/-1.009 χ^2/NDF: 2399908.3/35

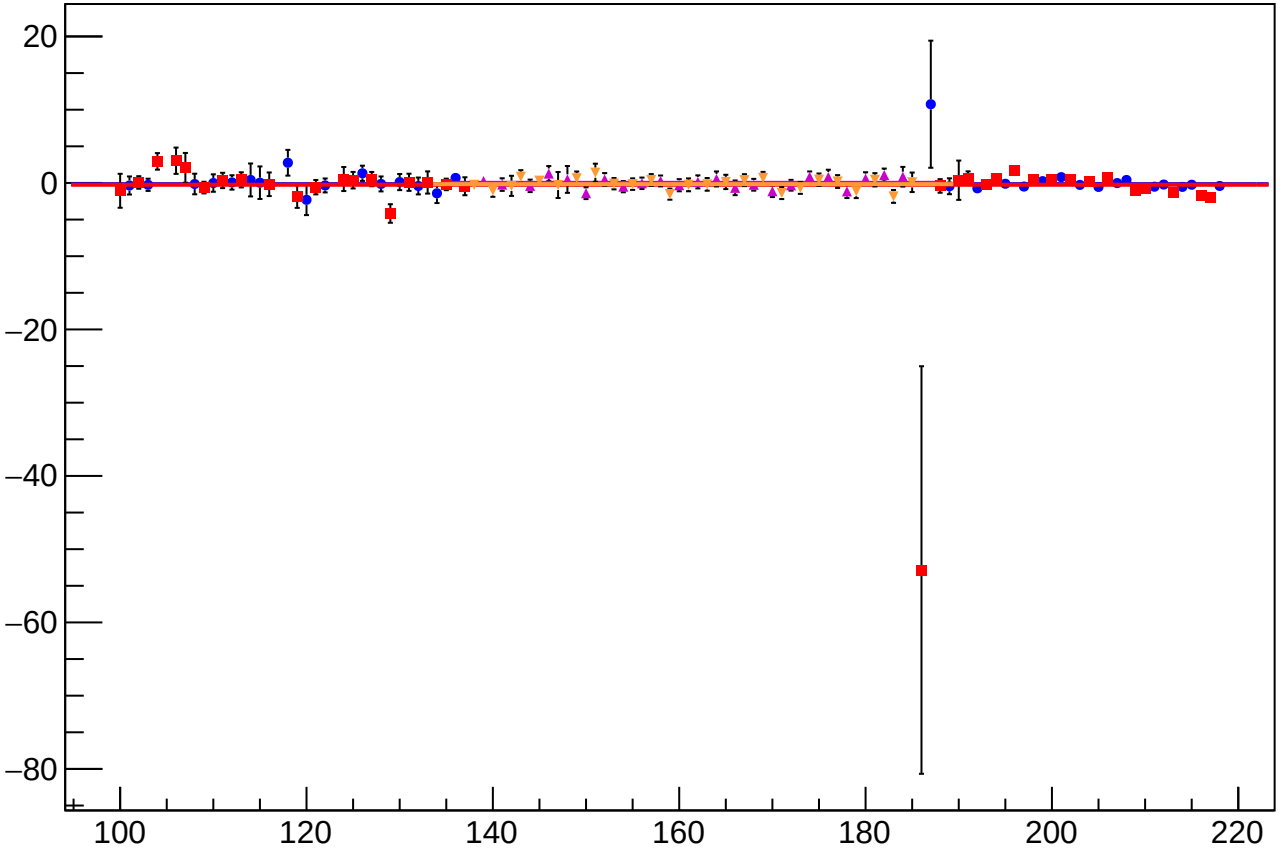
Left In: 6505.057+/-1.085 χ^2/NDF:515496.8/22

+ sign 6382.319+/-0.732 χ^2/NDF: 2219772.1/56

All: 6375.249+/-0.520 χ^2/NDF: 5165086.9/11

- sign 6368.037+/-0.739 χ^2/NDF: 2945126.3/58

diff_bpm_4aY_4eY_dd_mean vs Slug



Right In: -0.165+/-0.117 χ^2/NDF: 19.1/31

Left Out: -0.162+/-0.172 χ^2/NDF:19.0/24

Right Out: -0.244+/-0.120 χ^2/NDF: 91.1/35

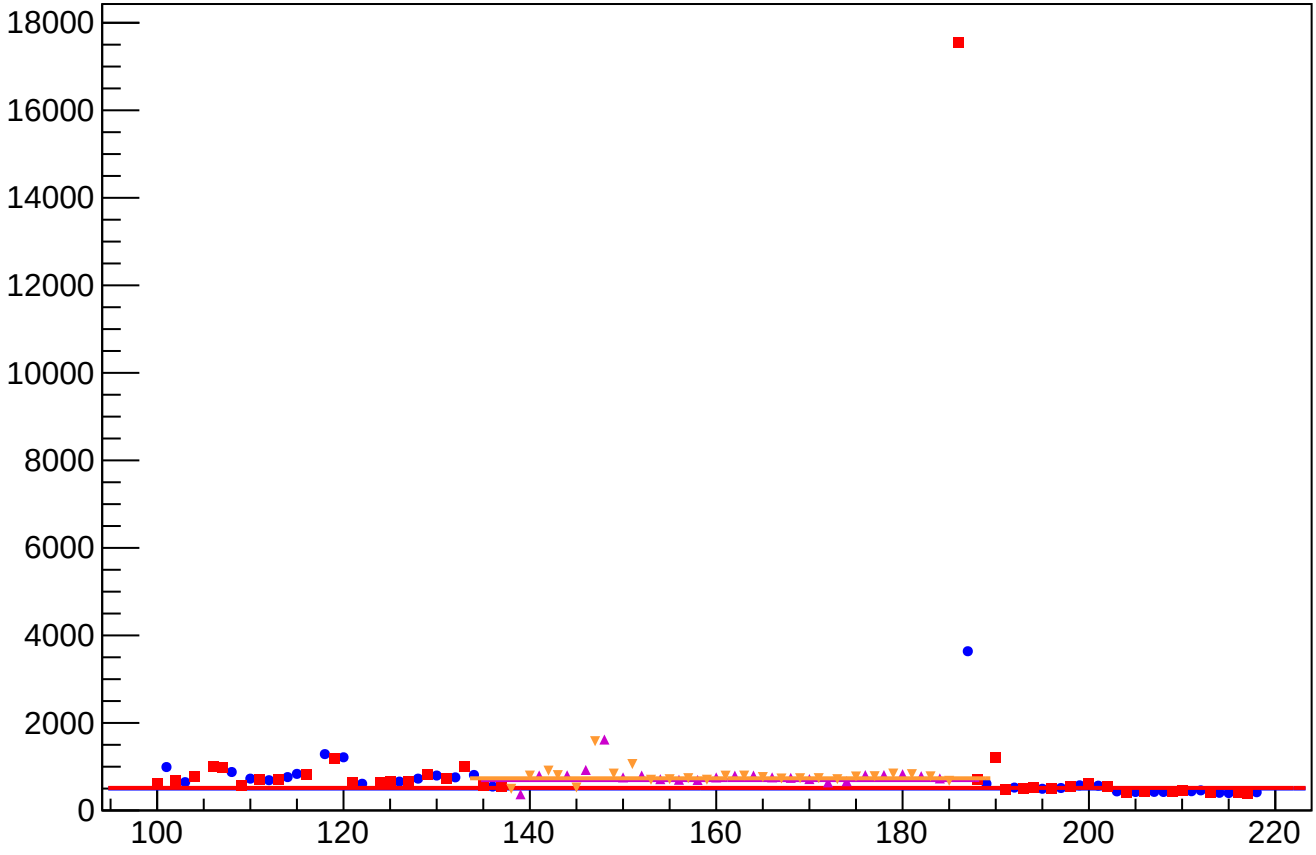
Left In: 0.017+/-0.169 χ^2/NDF:15.2/22

+ sign -0.164+/-0.097 χ^2/NDF: 38.1/56

All: -0.160+/-0.069 χ^2/NDF: 146.1/115

- sign -0.156+/-0.098 χ^2/NDF: 108.0/58

diff_bpm_4aY_4eY_dd_rms vs Slug



Right In: 500.832+/-0.082 χ^2/NDF: 2817194.5/31

Left Out: 734.984+/-0.122 χ^2/NDF:1339748.9/24

Right Out: 515.593+/-0.085 χ^2/NDF: 3225458.5/35

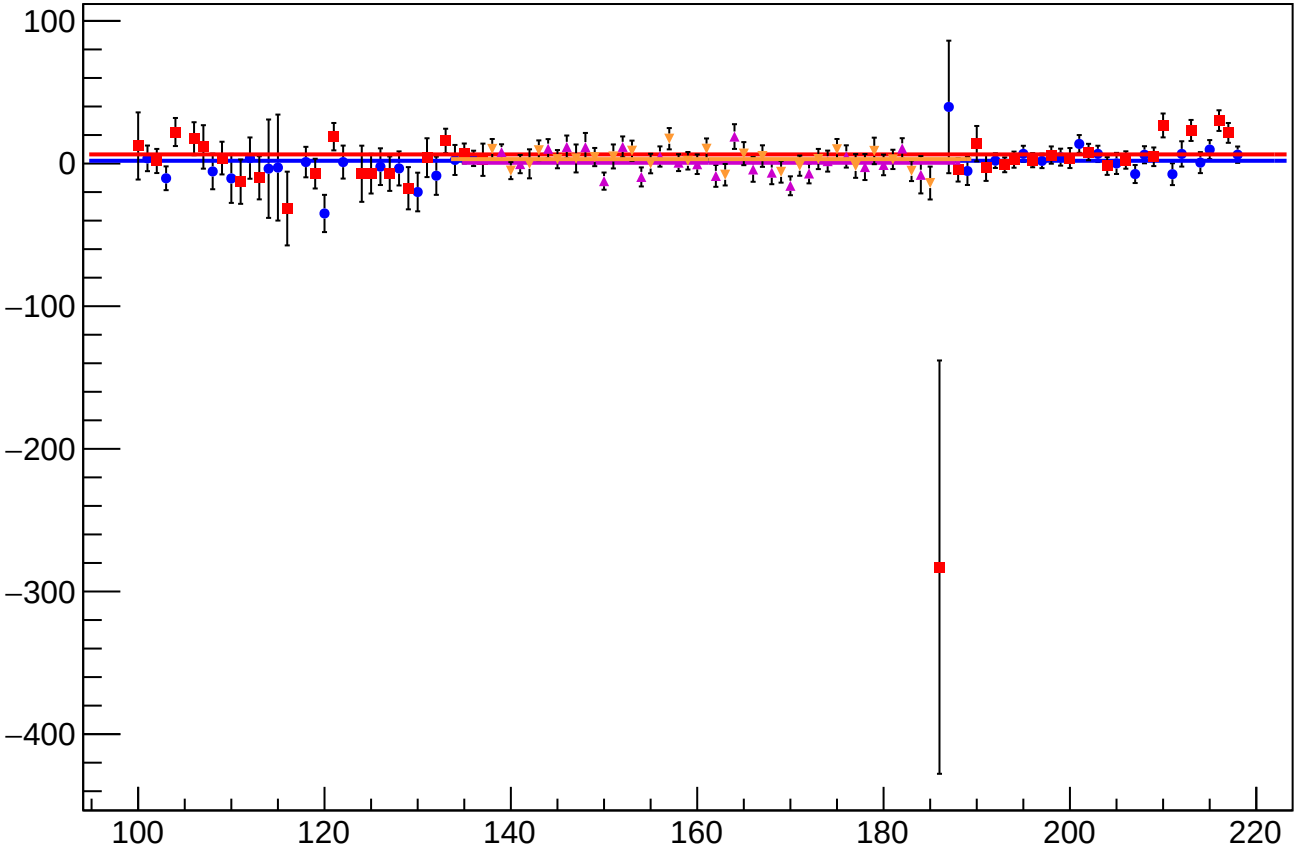
Left In: 694.150+/-0.120 χ^2/NDF:2225094.5/22

+ sign 574.535+/-0.068 χ^2/NDF: 6693312.6/56

All: 575.026+/-0.049 χ^2/NDF: 13625907.8/1

- sign 575.531+/-0.069 χ^2/NDF: 6932490.4/58

diff_bpm_4aY_4ecY_avg_mean vs Slug



Right In: 1.949+/-1.402 χ^2/NDF: 27.7/31

Left Out: 3.111+/-1.476 χ^2/NDF:18.7/24

Right Out: 6.419+/-1.400 χ^2/NDF: 57.8/35

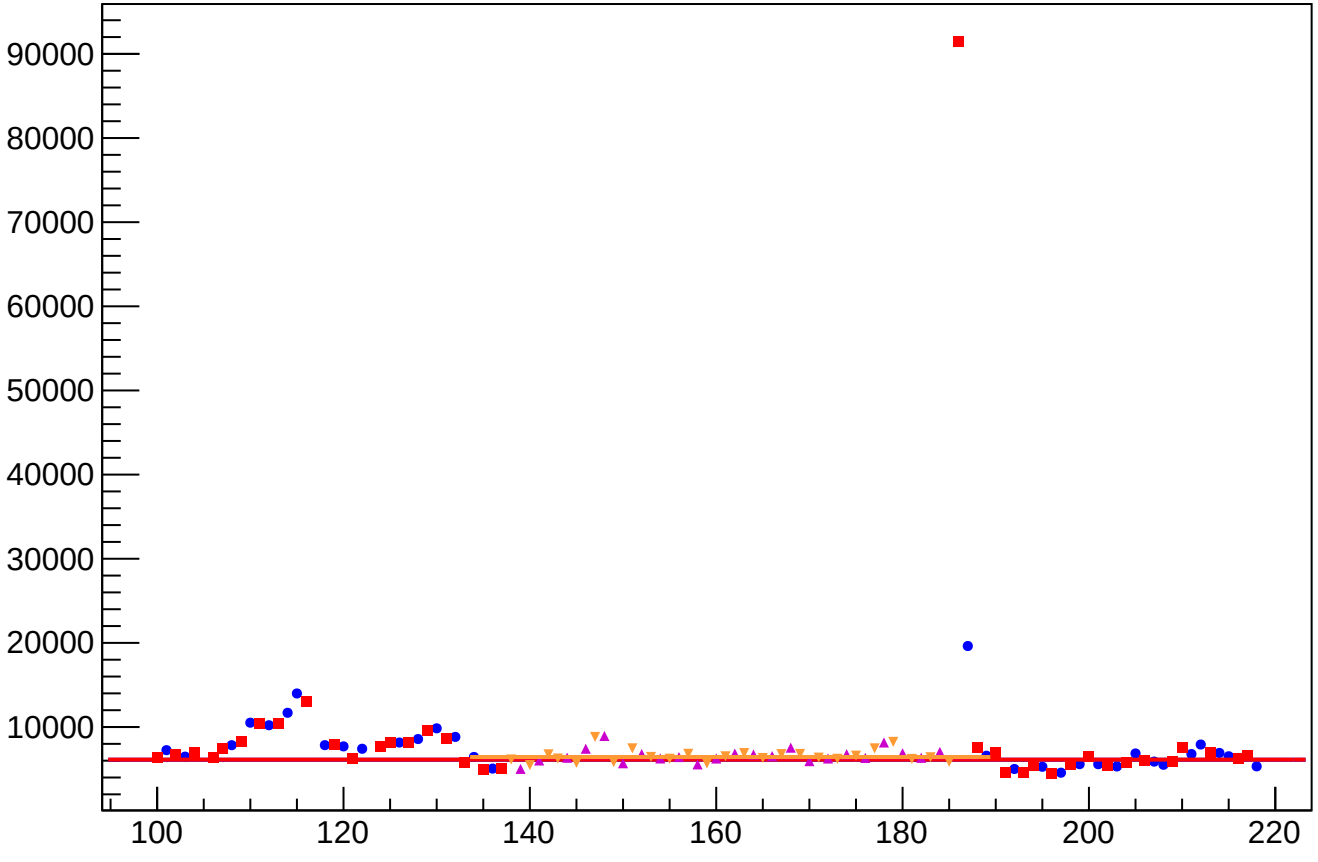
Left In: 0.550+/-1.512 χ^2/NDF:33.6/22

+ sign 2.500+/-1.017 χ^2/NDF: 46.7/56

All: 3.100+/-0.723 χ^2/NDF: 147.0/115

- sign 3.712+/-1.027 χ^2/NDF: 99.5/58

diff_bpm_4aY_4ecY_avg_rms vs Slug



Right In: 6108.523+/-0.992 χ^2/NDF: 1837659.4/31

Left Out: 6435.363+/-1.044 χ^2/NDF:417318.3/24

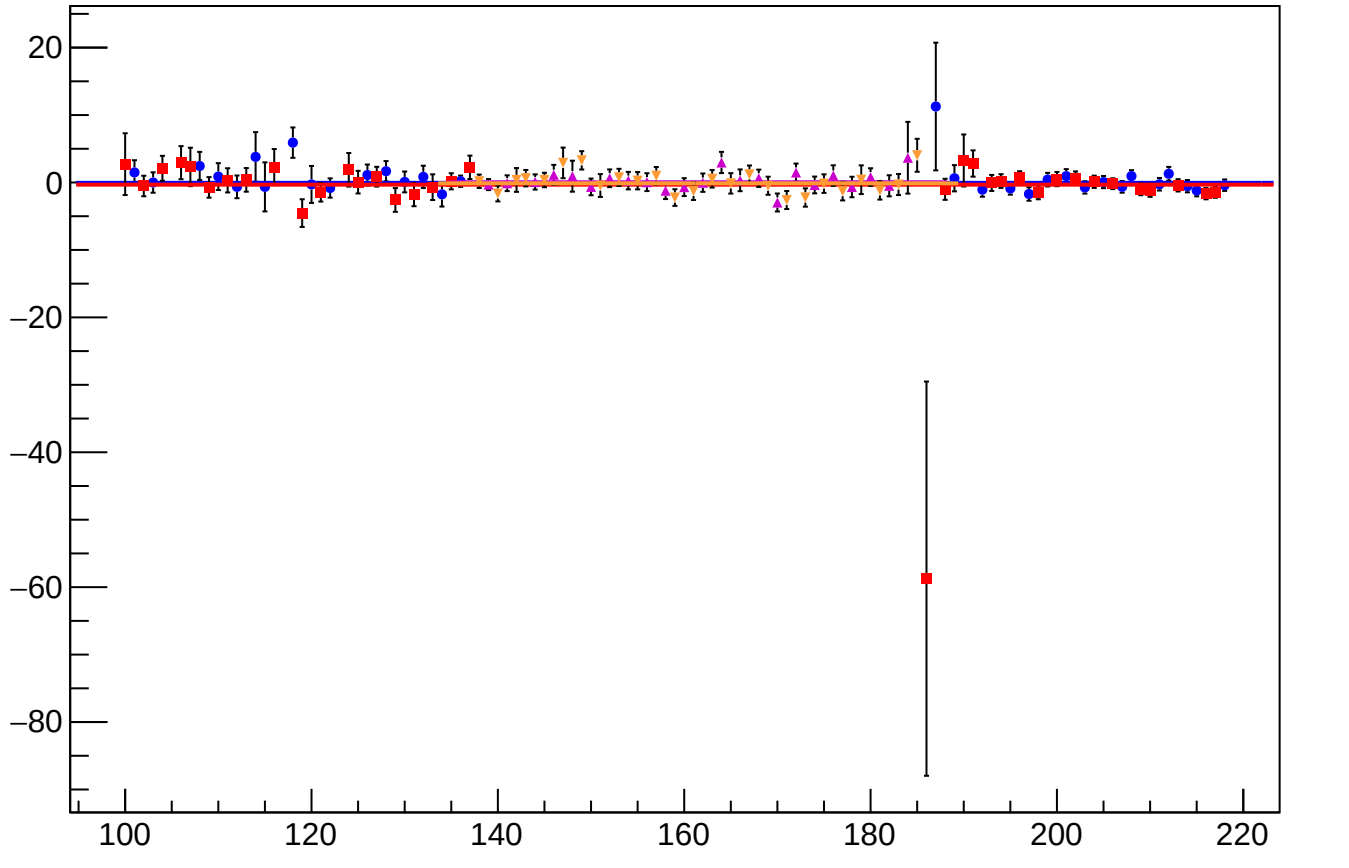
Right Out: 6124.209+/-0.990 χ^2/NDF: 2426834.0/35

Left In: 6405.229+/-1.069 χ^2/NDF:525079.4/22

+ sign 6263.556+/-0.719 χ^2/NDF: 2306512.7/56

All: 6258.752+/-0.511 χ^2/NDF: 5295711.3/11

- sign 6253.848+/-0.726 χ^2/NDF: 2989108.4/58



Right In: -0.051+/-0.212 χ^2/NDF: 27.5/31

Left Out: -0.122+/-0.273 χ^2/NDF:27.0/24

Right Out: -0.322+/-0.215 χ^2/NDF: 35.3/35

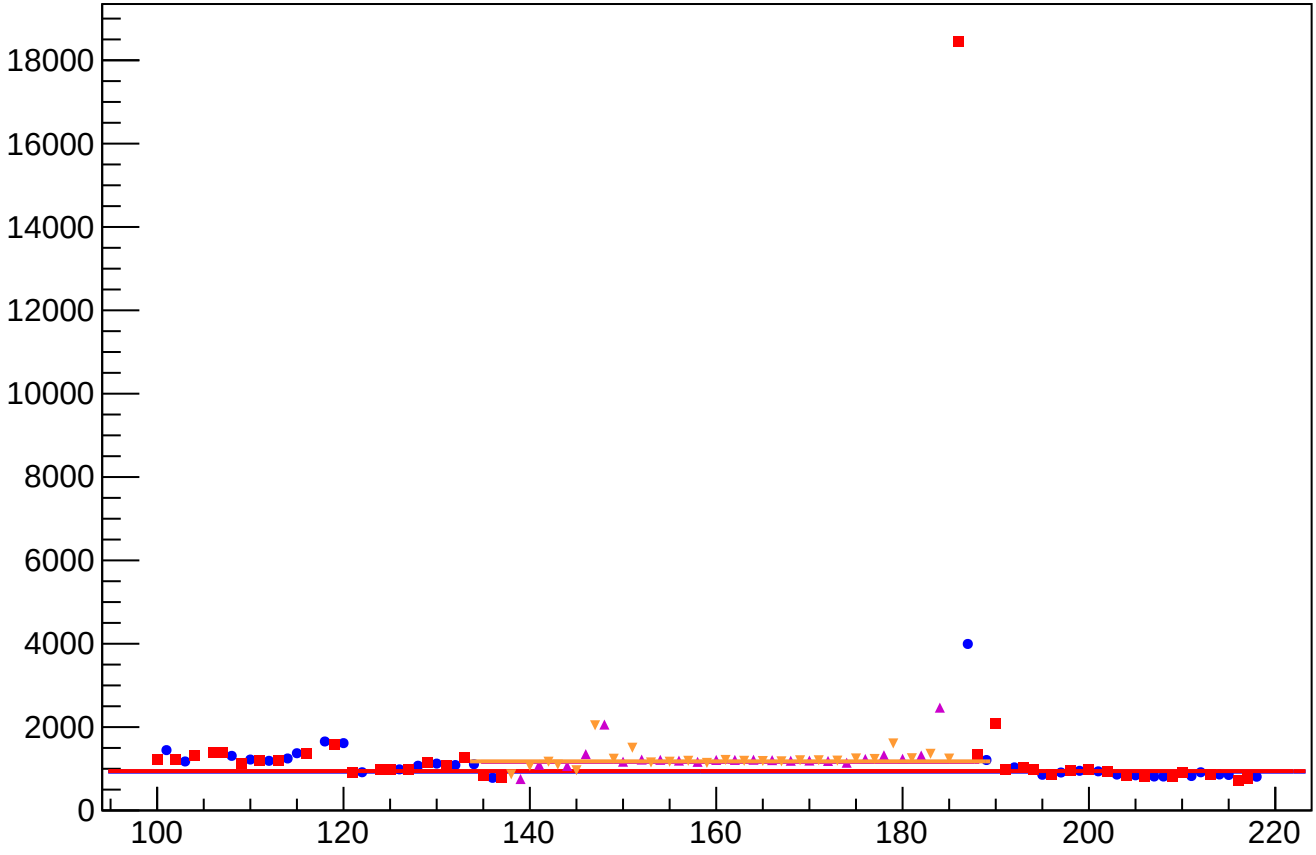
Left In: 0.029+/-0.279 χ^2/NDF:14.4/22

+ sign -0.078+/-0.167 χ^2/NDF: 54.5/56

All: -0.133+/-0.119 χ^2/NDF: 105.5/115

- sign -0.191+/-0.170 χ^2/NDF: 50.8/58

diff_bpm_4aY_4ecY_dd_rms vs Slug



Right In: 930.882+/-0.150 χ^2/NDF: 1381628.9/31

Left Out: 1177.742+/-0.193 χ^2/NDF:800899.0/24

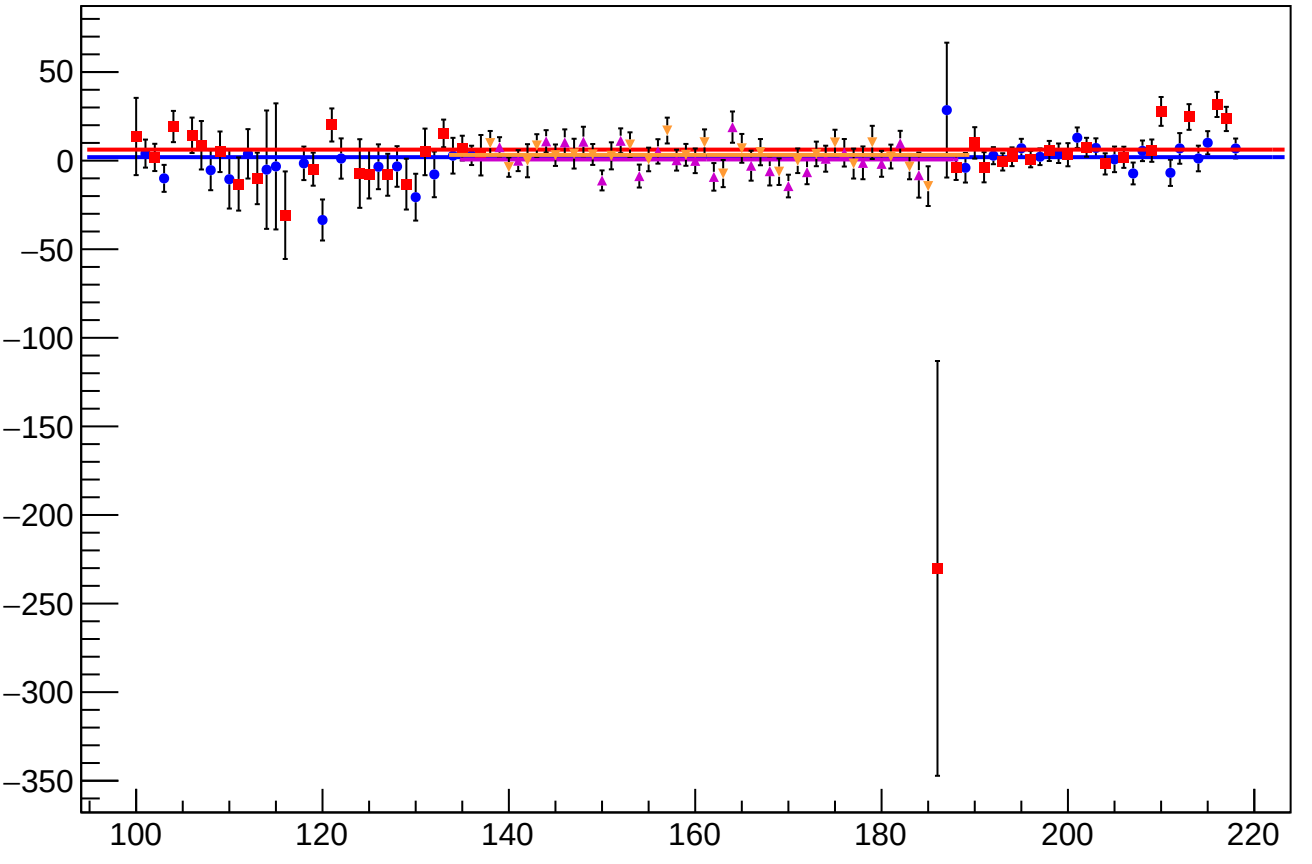
Right Out: 945.039+/-0.152 χ^2/NDF: 2198544.3/35

Left In: 1163.827+/-0.197 χ^2/NDF:1052206.0/22

+ sign 1023.551+/-0.118 χ^2/NDF: 3201170.9/56

All: 1025.176+/-0.084 χ^2/NDF: 7224606.8/11

- sign 1026.857+/-0.120 χ^2/NDF: 4023053.0/58



Right In: 1.962+/-1.333 χ^2/NDF: 30.3/31

Left Out: 3.234+/-1.430 χ^2/NDF:17.9/24

Right Out: 6.221+/-1.318 χ^2/NDF: 65.3/35

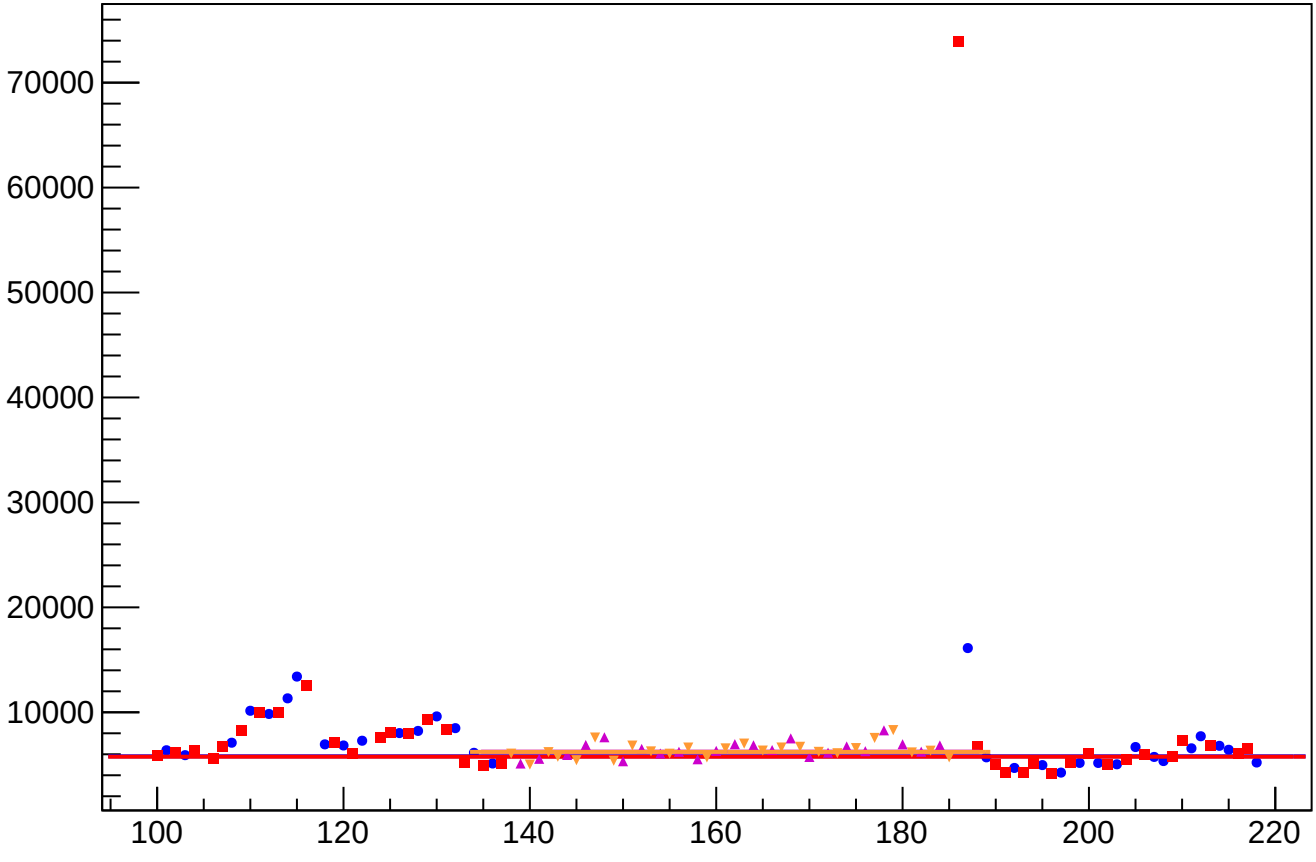
Left In: 0.667+/-1.474 χ^2/NDF:32.4/22

+ sign 2.554+/-0.975 χ^2/NDF: 48.7/56

All: 3.148+/-0.692 χ^2/NDF: 154.9/115

- sign 3.752+/-0.983 χ^2/NDF: 105.5/58

diff_bpm_4eY_4ecY_avg_rms vs Slug



Right In: 5807.085+/-0.942 χ^2/NDF: 1851801.0/31

Left Out: 6228.654+/-1.011 χ^2/NDF:470851.7/24

Right Out: 5769.277+/-0.932 χ^2/NDF: 2508394.8/35

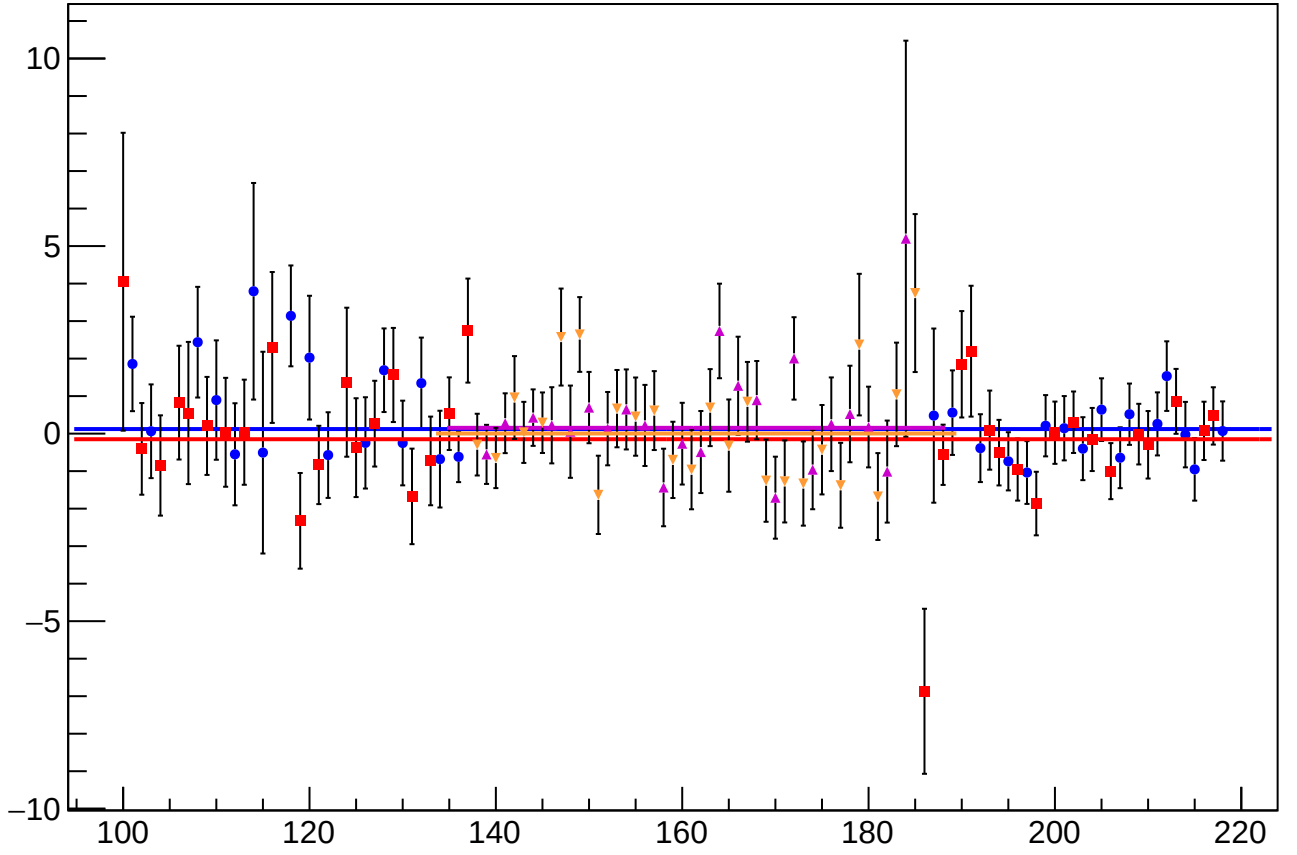
Left In: 6246.800+/-1.042 χ^2/NDF:484982.9/22

+ sign 6003.112+/-0.689 χ^2/NDF: 2415700.0/56

All: 5992.411+/-0.489 χ^2/NDF: 5526213.1/11

- sign 5981.542+/-0.695 χ^2/NDF: 3110027.4/58

diff_bpm_4eY_4ecY_dd_mean vs Slug



Right In: 0.122+/-0.179 χ^2/NDF: 27.6/31

Left Out: 0.003+/-0.212 χ^2/NDF:31.6/24

Right Out: -0.149+/-0.177 χ^2/NDF: 38.5/35

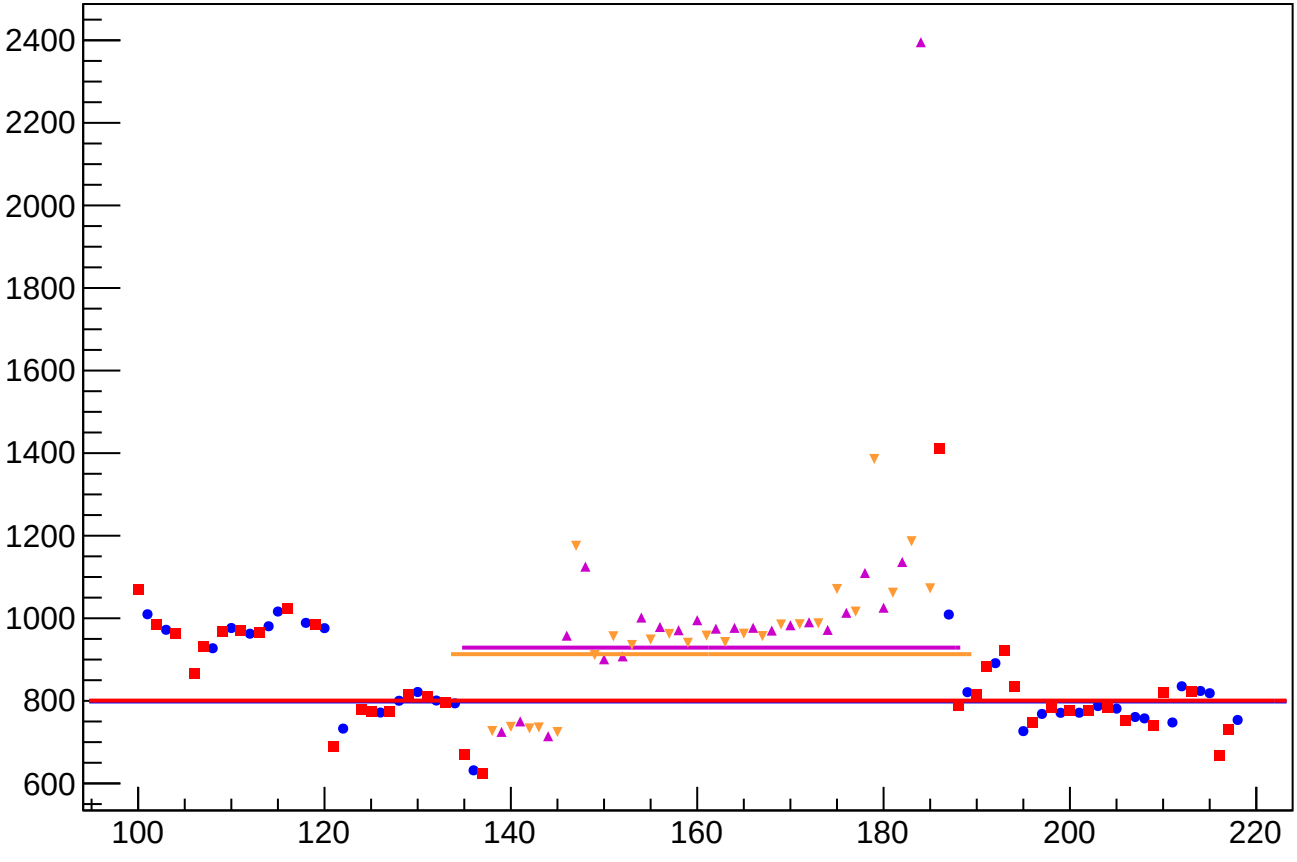
Left In: 0.154+/-0.221 χ^2/NDF:18.4/22

+ sign 0.073+/-0.137 χ^2/NDF: 59.4/56

All: 0.022+/-0.097 χ^2/NDF: 117.8/115

- sign -0.030+/-0.138 χ^2/NDF: 58.1/58

diff_bpm_4eY_4ecY_dd_rms vs Slug



Right In: 798.493+/-0.126 χ^2/NDF: 471959.3/31

Left Out: 913.070+/-0.150 χ^2/NDF:889200.0/24

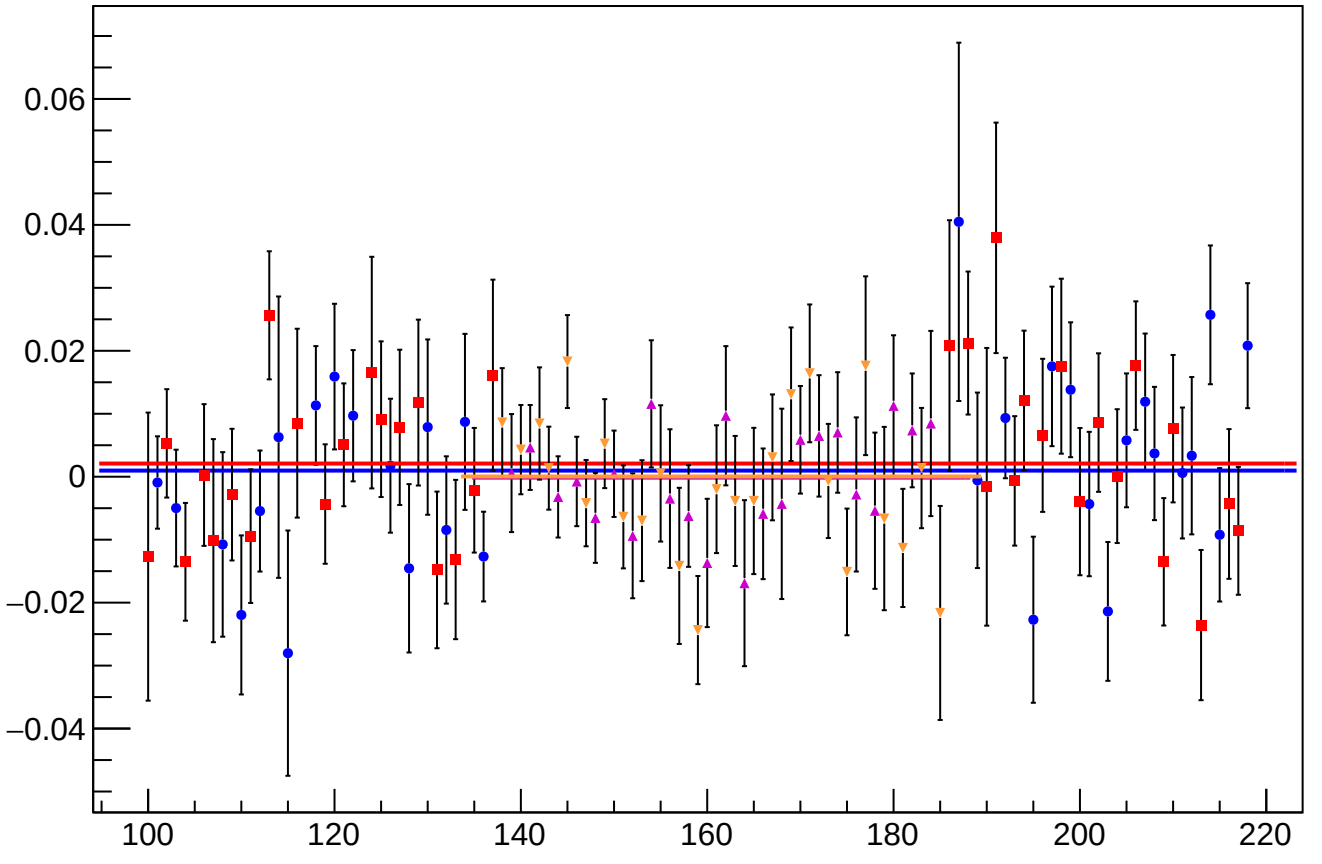
Right Out: 800.609+/-0.125 χ^2/NDF: 644899.2/35

Left In: 928.913+/-0.156 χ^2/NDF:769065.0/22

+ sign 846.126+/-0.097 χ^2/NDF: 1702738.1/56

All: 848.472+/-0.069 χ^2/NDF: 3527628.7/115

- sign 850.879+/-0.098 χ^2/NDF: 1823696.0/58



Right In: 0.001+/-0.002 χ^2/NDF: 41.6/31

Left Out: 0.000+/-0.002 χ^2/NDF:31.1/24

Right Out: 0.002+/-0.002 χ^2/NDF: 38.9/35

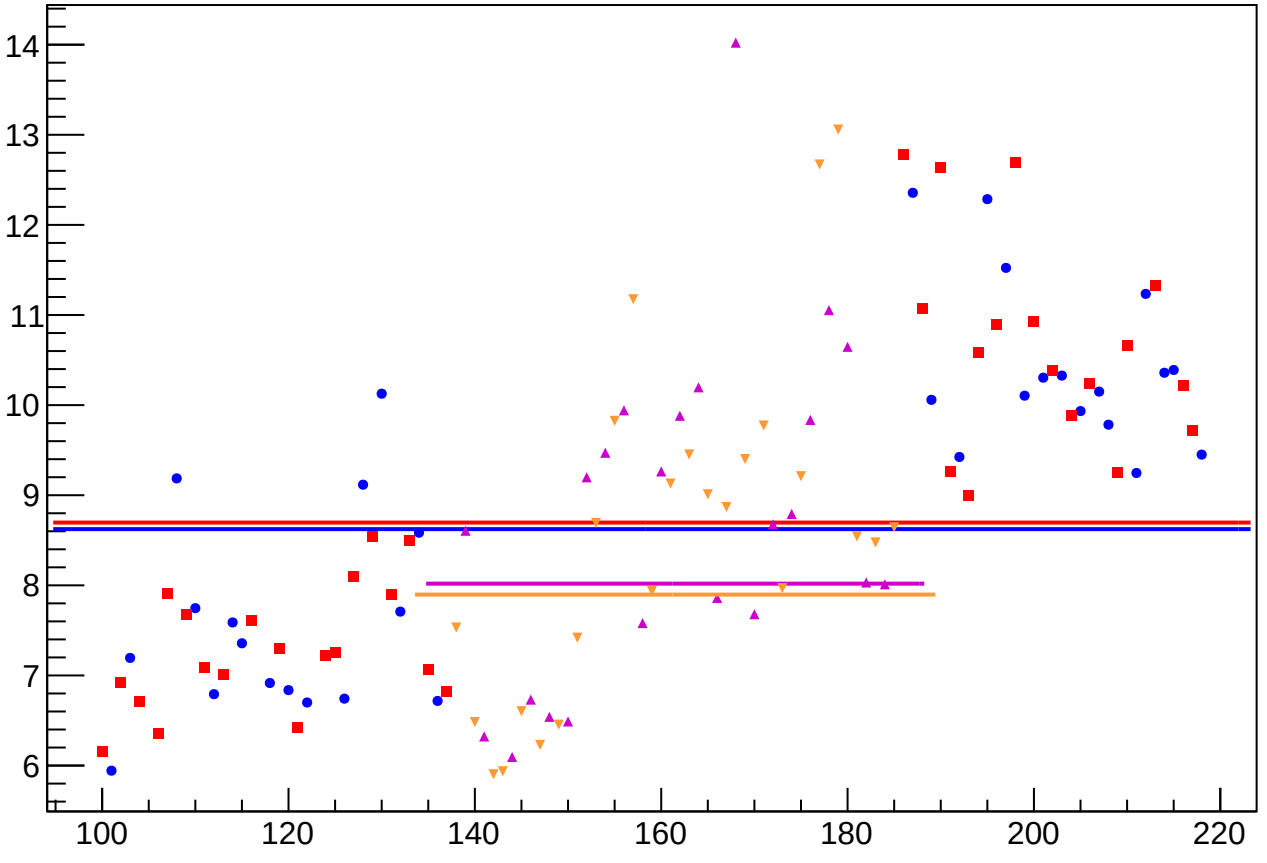
Left In: -0.000+/-0.002 χ^2/NDF:12.8/22

+ sign 0.000+/-0.001 χ^2/NDF: 72.9/56

All: 0.001+/-0.001 χ^2/NDF: 125.3/115

- sign 0.001+/-0.001 χ^2/NDF: 52.4/58

diff_dispE_bpm12X_rms vs Slug



Right In: 8.624+/-0.001 χ^2/NDF: 1603226.3/31

Left Out: 7.897+/-0.001 χ^2/NDF:1590867.7/24

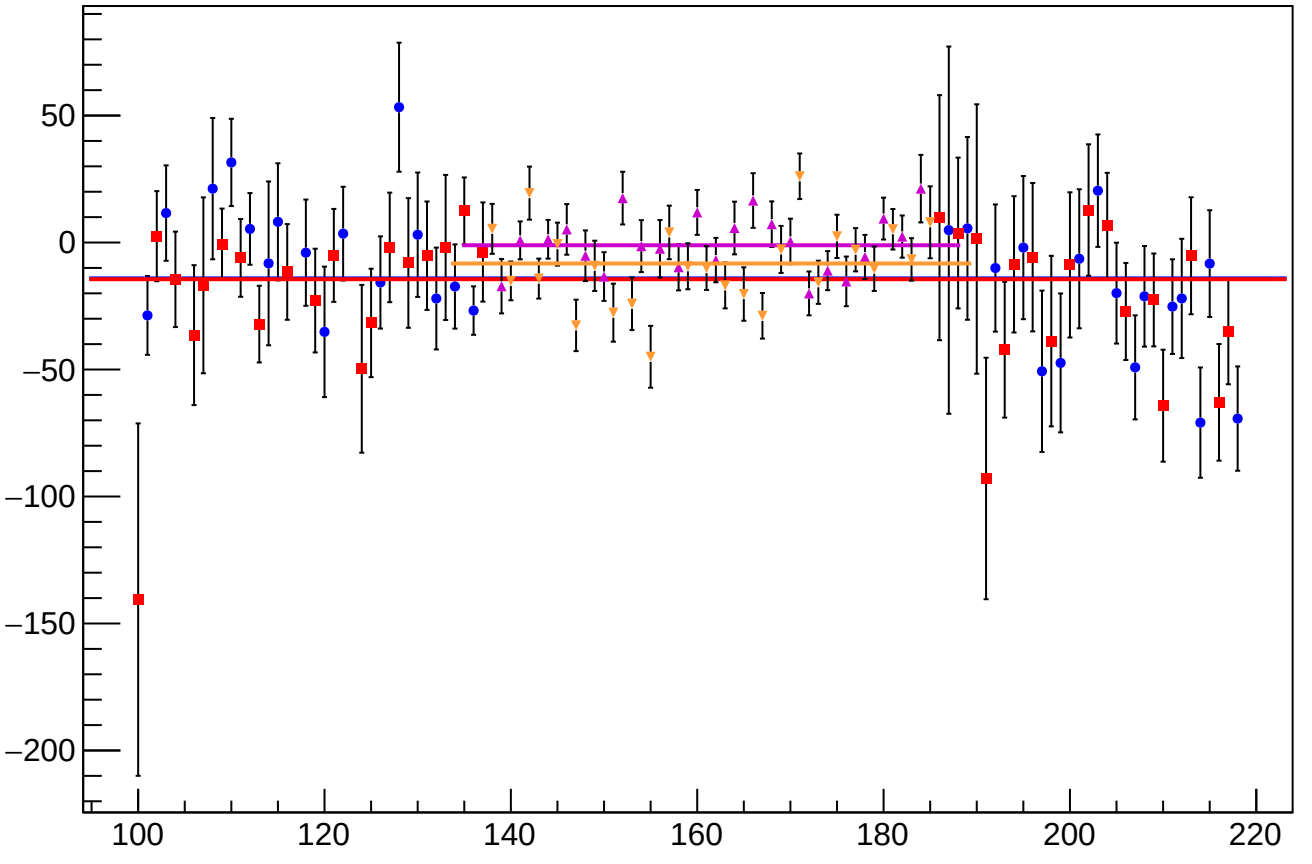
Right Out: 8.697+/-0.001 χ^2/NDF: 1641758.2/35

Left In: 8.019+/-0.001 χ^2/NDF:1455714.6/22

+ sign 8.238+/-0.001 χ^2/NDF: 3339552.1/56

All: 8.293+/-0.001 χ^2/NDF: 6566457.9/115

- sign 8.351+/-0.001 χ^2/NDF: 3219976.8/58



Right In: -14.135+/-3.579 χ^2/NDF: 49.3/31

Left Out: -8.256+/-1.849 χ^2/NDF:62.2/24

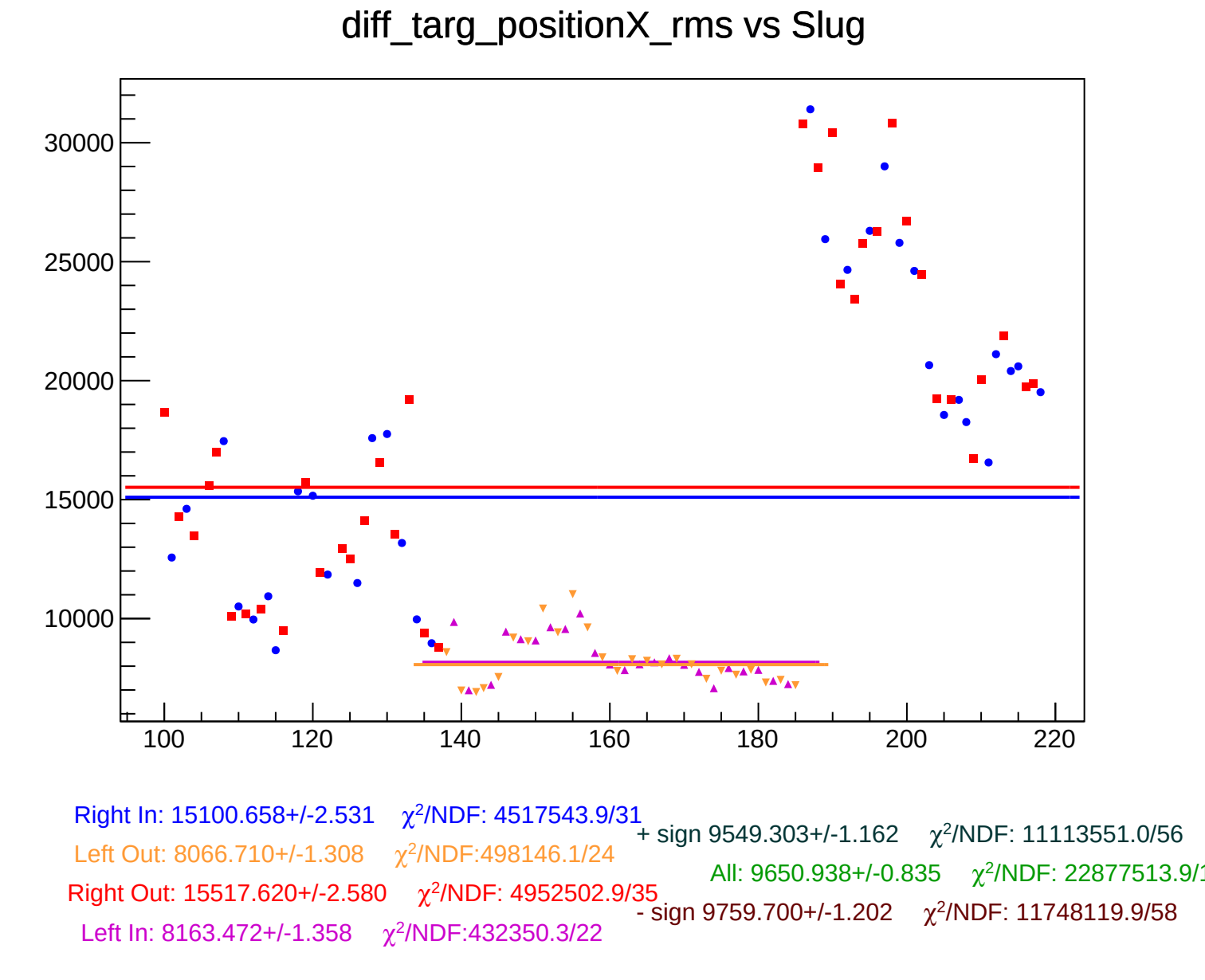
Right Out: -14.433+/-3.648 χ^2/NDF: 33.8/35

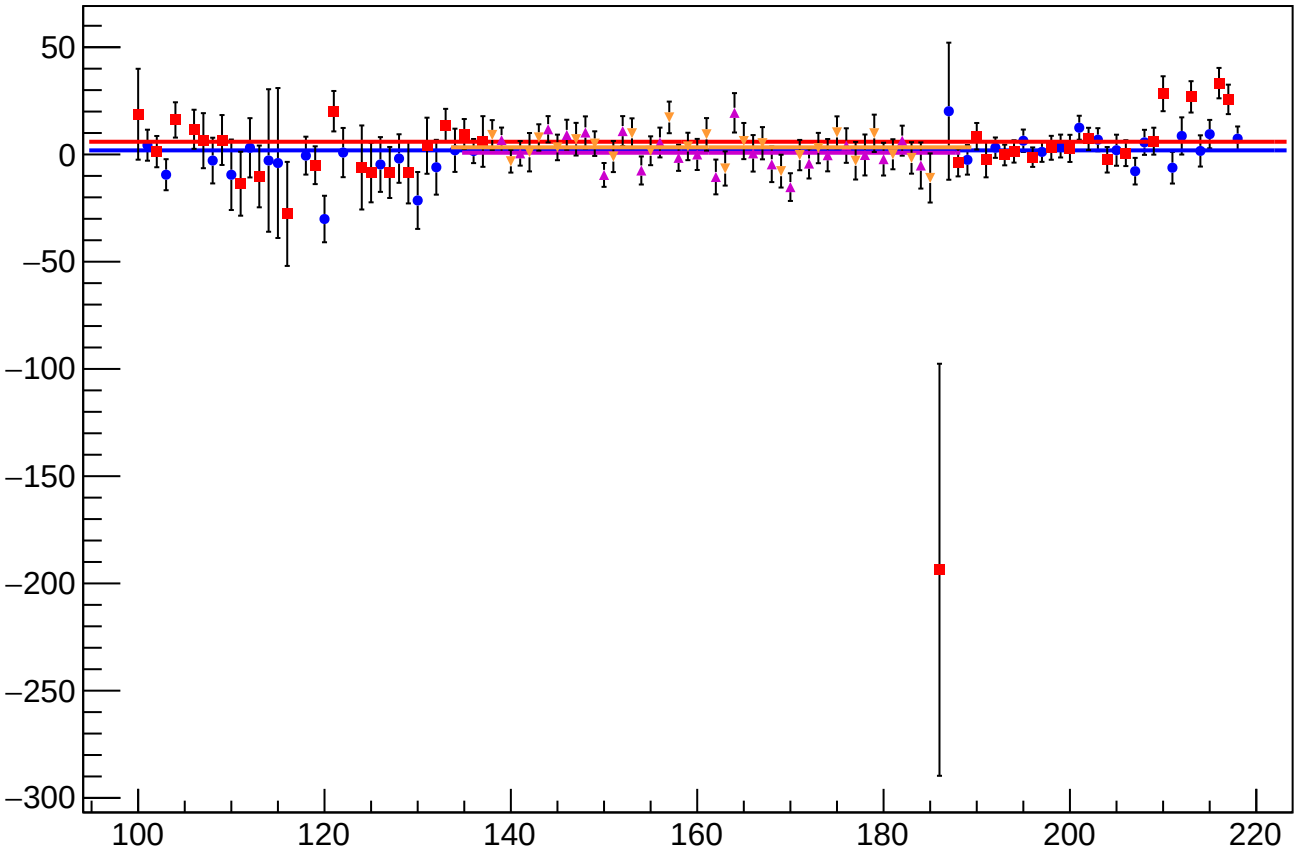
Left In: -1.072+/-1.921 χ^2/NDF:28.8/22

+ sign -9.495+/-1.643 χ^2/NDF: 113.6/56

All: -6.827+/-1.181 χ^2/NDF: 192.1/115

- sign -3.972+/-1.700 χ^2/NDF: 73.1/58


diff_targ_positionX_rms vs Slug
30000
25000
20000
15000
10000
100
120
140
160
180
200
220
Right In: 15100.658+/-2.531 χ²/NDF: 4517543.9/31
Left Out: 8066.710+/-1.308 χ²/NDF:498146.1/24
Right Out: 15517.620+/-2.580 χ²/NDF: 4952502.9/35
Left In: 8163.472+/-1.358 χ²/NDF:432350.3/22
+ sign 9549.303+/-1.162 χ²/NDF: 11113551.0/56
All: 9650.938+/-0.835 χ²/NDF: 22877513.9/1
- sign 9759.700+/-1.202 χ²/NDF: 11748119.9/58



Right In: 1.903+/-1.309 χ^2/NDF: 29.0/31

Left Out: 3.330+/-1.431 χ^2/NDF:16.9/24

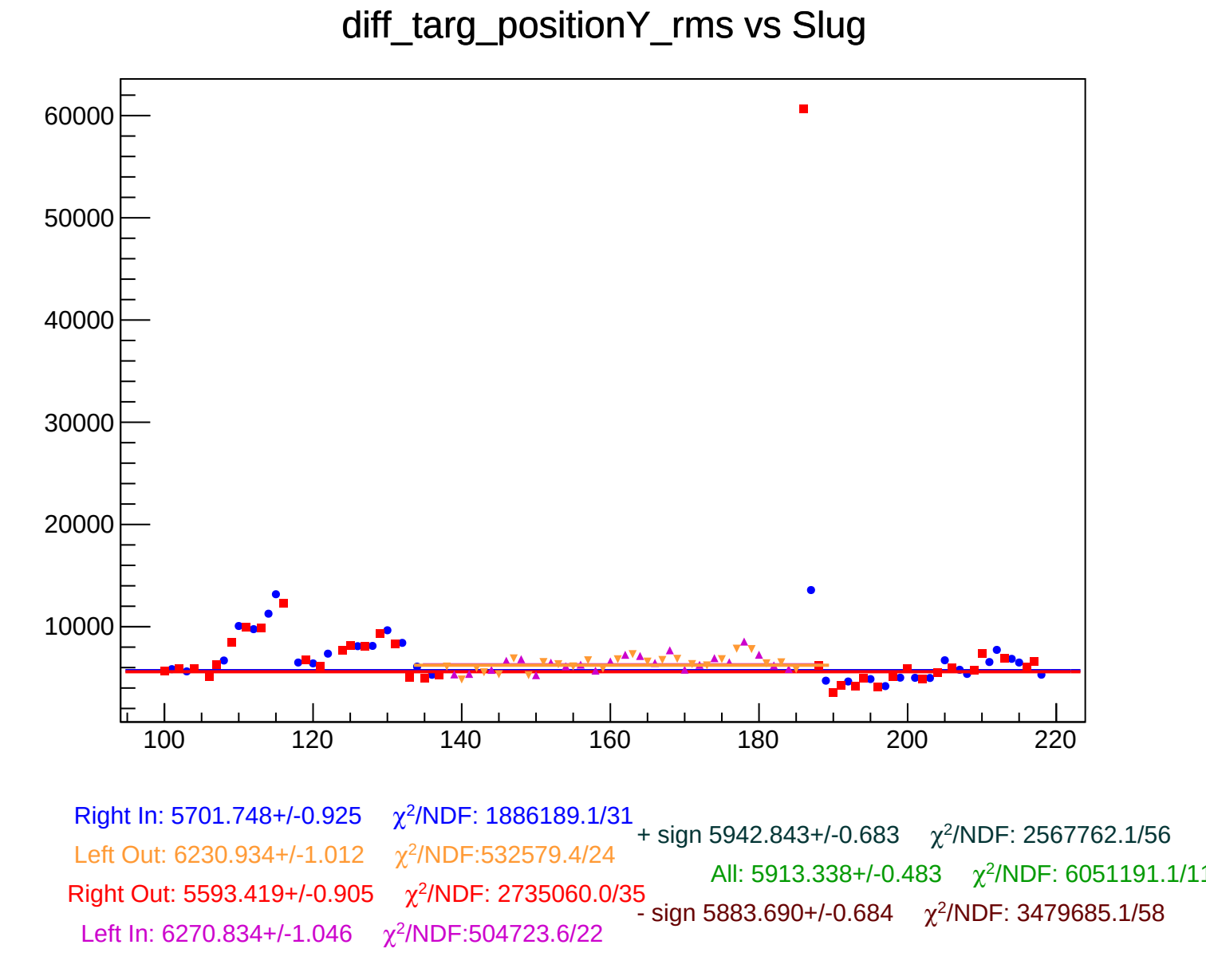
Right Out: 5.927+/-1.280 χ^2/NDF: 71.5/35

Left In: 0.797+/-1.479 χ^2/NDF:29.4/22

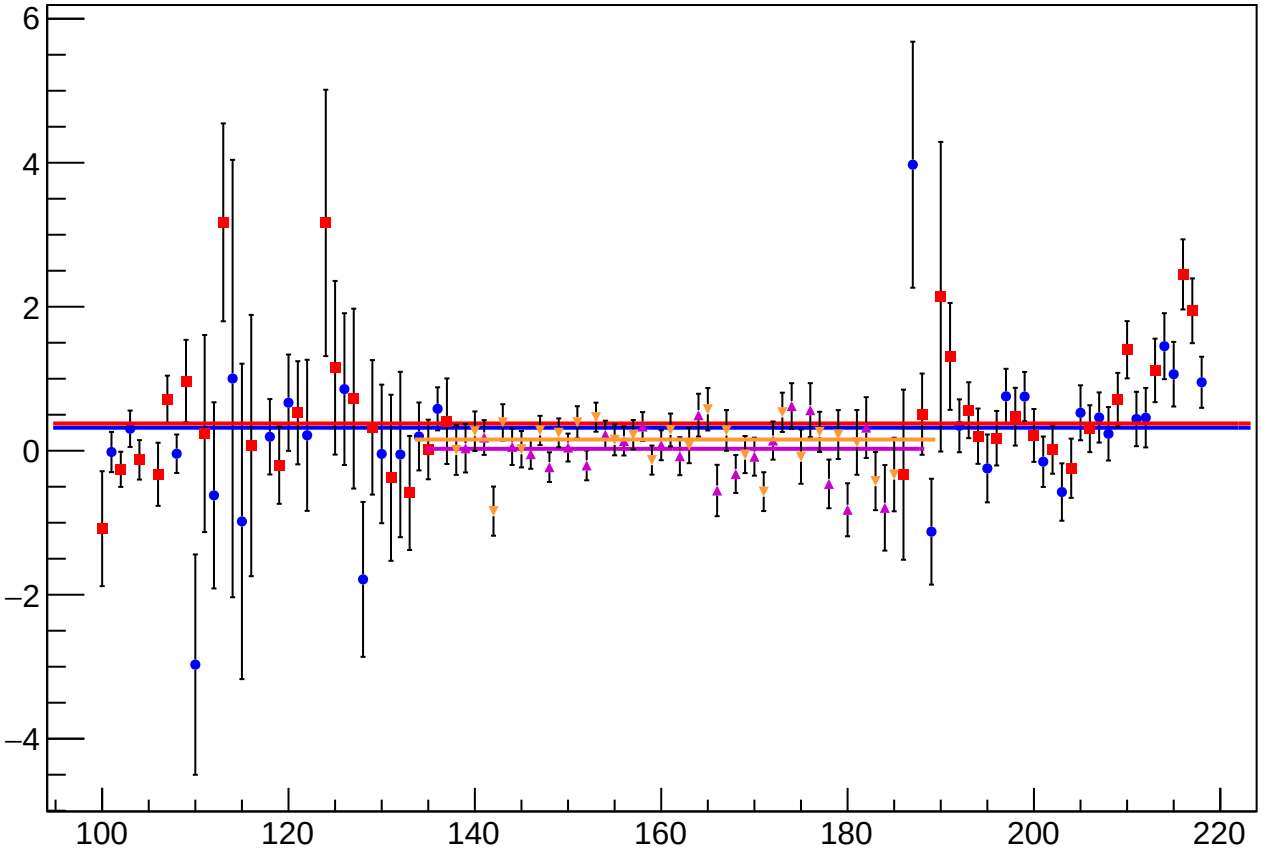
+ sign 2.553+/-0.966 χ^2/NDF: 46.4/56

All: 3.139+/-0.684 χ^2/NDF: 154.9/115

- sign 3.729+/-0.968 χ^2/NDF: 107.8/58


diff_targ_positionY_rms vs Slug
60000
50000
40000
30000
20000
10000
100
120
140
160
180
200
220
Right In: 5701.748+/-0.925 χ²/NDF: 1886189.1/31
Left Out: 6230.934+/-1.012 χ²/NDF:532579.4/24
Right Out: 5593.419+/-0.905 χ²/NDF: 2735060.0/35
Left In: 6270.834+/-1.046 χ²/NDF:504723.6/22
+ sign 5942.843+/-0.683 χ²/NDF: 2567762.1/56
All: 5913.338+/-0.483 χ²/NDF: 6051191.1/11
- sign 5883.690+/-0.684 χ²/NDF: 3479685.1/58

diff_targ_thetaX_mean vs Slug



Right In: 0.320+/-0.077 χ^2/NDF: 46.7/31

Left Out: 0.156+/-0.052 χ^2/NDF:32.3/24

Right Out: 0.379+/-0.079 χ^2/NDF: 76.7/35

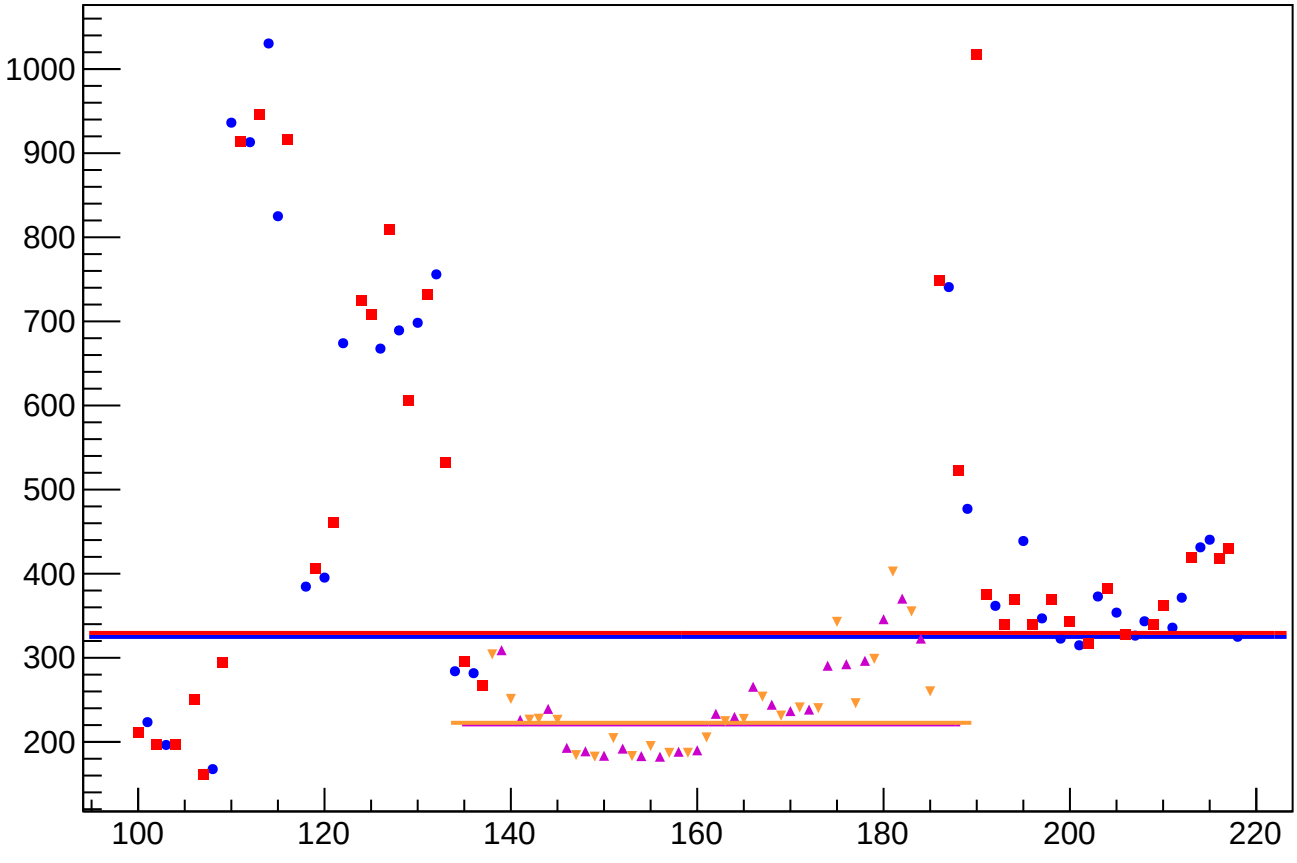
Left In: 0.026+/-0.053 χ^2/NDF:29.8/22

+ sign 0.206+/-0.043 χ^2/NDF: 82.1/56

All: 0.172+/-0.031 χ^2/NDF: 203.7/115

- sign 0.136+/-0.044 χ^2/NDF: 120.3/58

diff_targ_thetaX_rms vs Slug



Right In: 324.842+/-0.055 χ^2/NDF: 4433665.3/31

Left Out: 222.727+/-0.037 χ^2/NDF:1451363.0/24

Right Out: 329.586+/-0.056 χ^2/NDF: 5002744.5/35

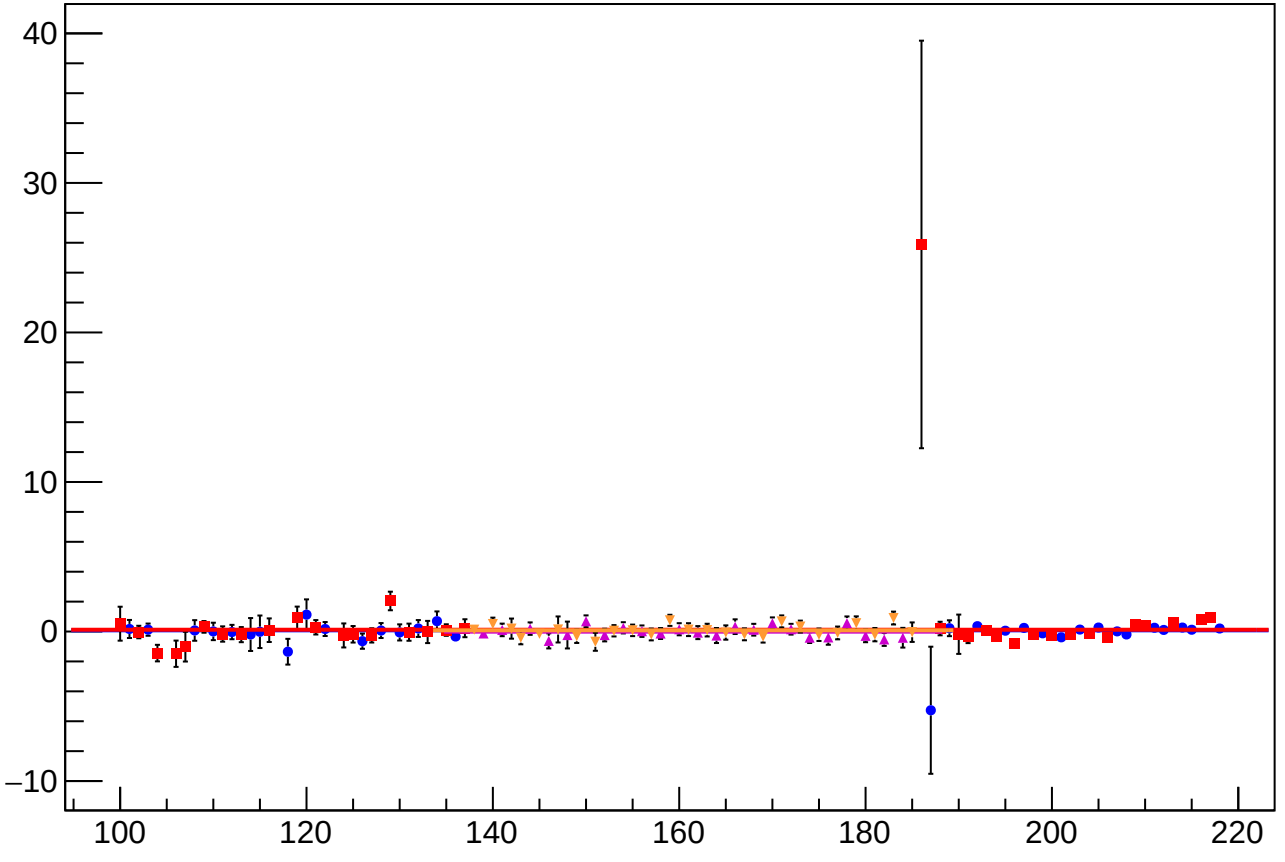
Left In: 220.802+/-0.037 χ^2/NDF:1471497.9/22

+ sign 254.393+/-0.030 χ^2/NDF: 8284931.1/56

All: 254.578+/-0.022 χ^2/NDF: 17393283.0/11

- sign 254.770+/-0.031 χ^2/NDF: 9108276.6/58

diff_targ_thetaY_mean vs Slug



Right In: 0.081+/-0.057 χ^2/NDF: 19.1/31

Left Out: 0.079+/-0.084 χ^2/NDF:19.0/24

Right Out: 0.119+/-0.059 χ^2/NDF: 91.1/35

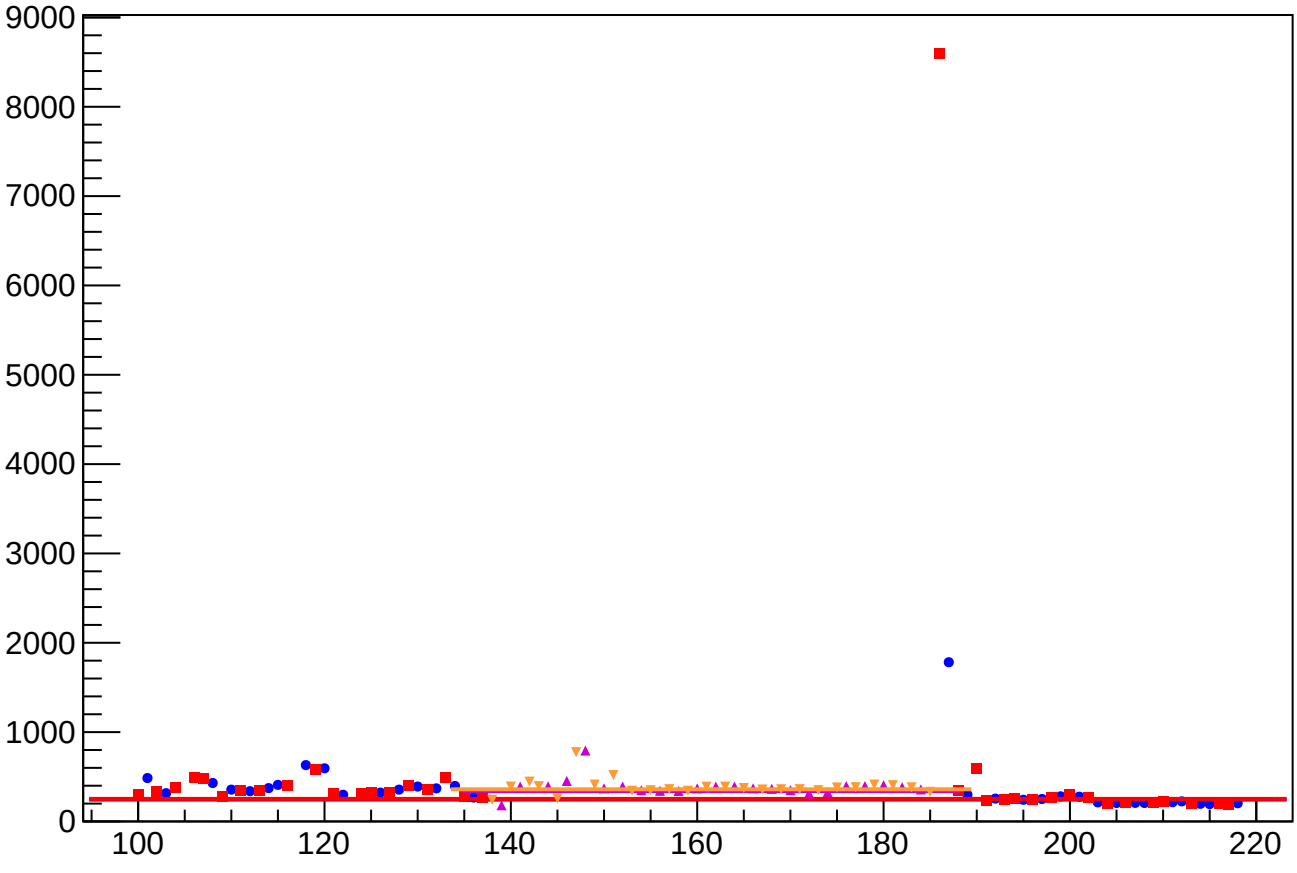
Left In: -0.009+/-0.083 χ^2/NDF:15.2/22

+ sign 0.080+/-0.047 χ^2/NDF: 38.1/56

All: 0.078+/-0.034 χ^2/NDF: 146.1/115

- sign 0.076+/-0.048 χ^2/NDF: 108.0/58

diff_targ_thetaY_rms vs Slug



Right In: 245.325+/-0.040 χ^2/NDF: 2817194.5/31

Left Out: 360.021+/-0.060 χ^2/NDF:1339748.9/24

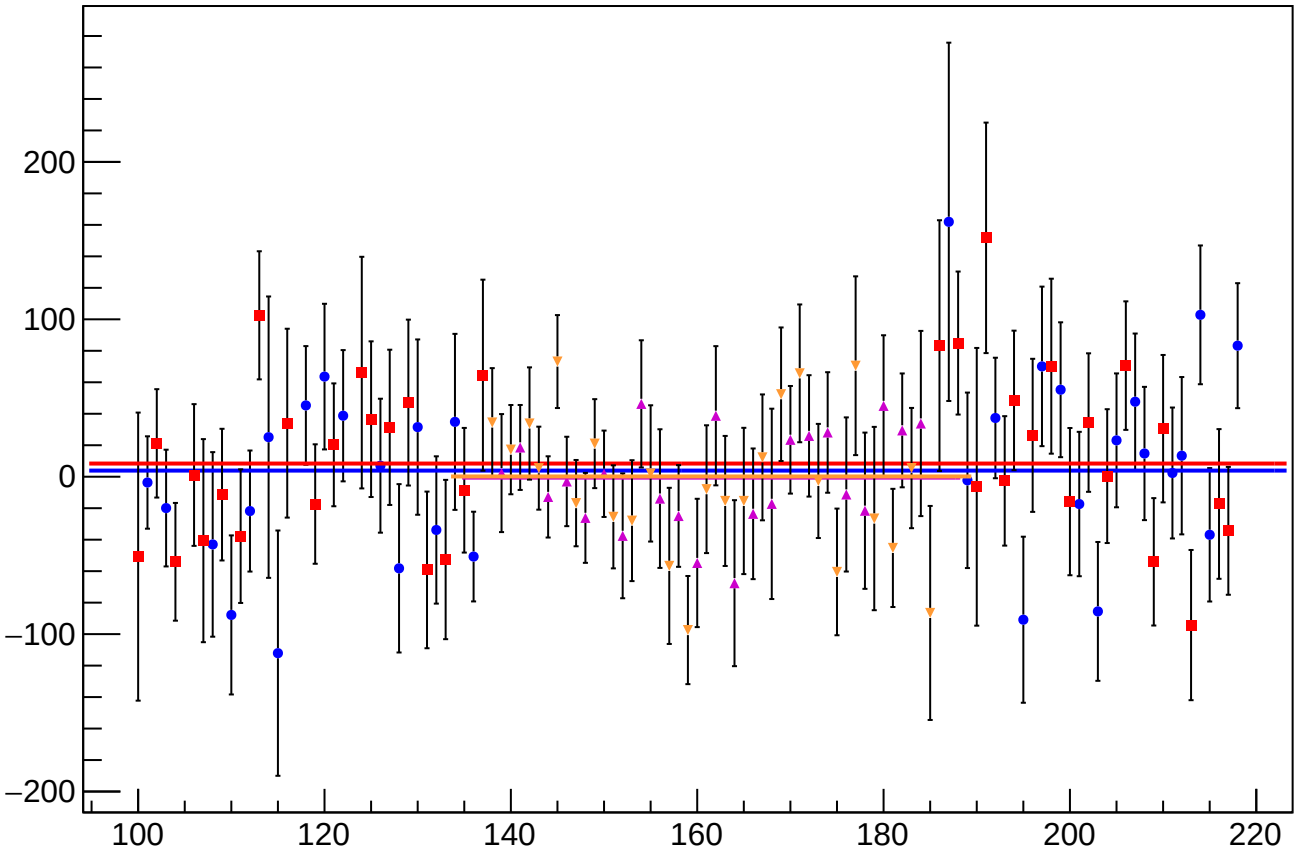
Right Out: 252.556+/-0.042 χ^2/NDF: 3225458.5/35

Left In: 340.020+/-0.059 χ^2/NDF:2225094.5/22

+ sign 281.428+/-0.033 χ^2/NDF: 6693312.6/56

All: 281.668+/-0.024 χ^2/NDF: 13625907.8/1

- sign 281.916+/-0.034 χ^2/NDF: 6932490.4/58



Right In: 3.895+/-7.855 χ^2/NDF: 41.6/31

Left Out: 0.168+/-7.375 χ^2/NDF:31.1/24

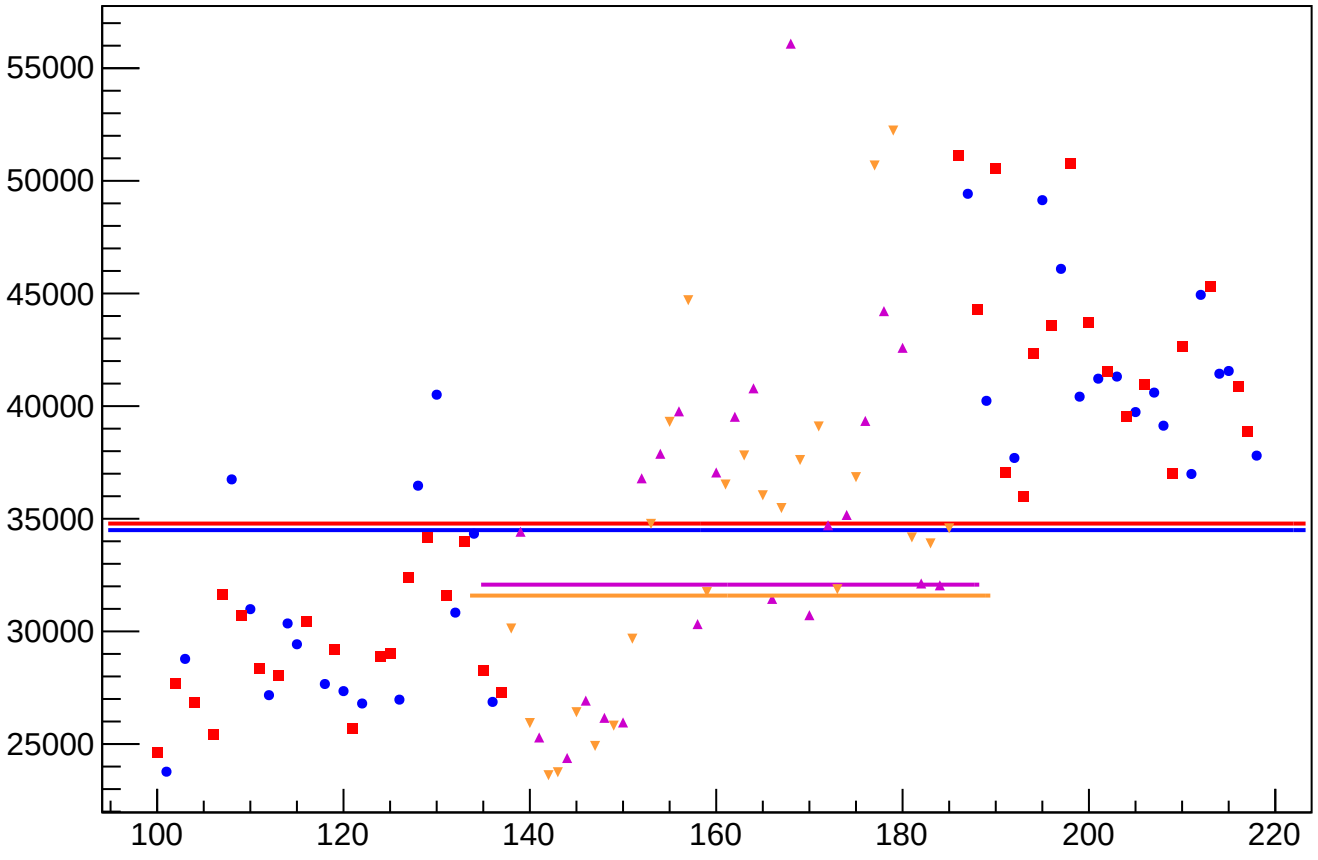
Right Out: 8.366+/-7.827 χ^2/NDF: 38.9/35

Left In: -0.586+/-7.667 χ^2/NDF:12.8/22

+ sign 1.914+/-5.376 χ^2/NDF: 72.9/56

All: 2.838+/-3.837 χ^2/NDF: 125.3/115

- sign 3.797+/-5.477 χ^2/NDF: 52.4/58



Right In: 34495.489+/-5.554 χ^2/NDF: 1603226.3/31

Left Out: 31589.841+/-5.215 χ^2/NDF:1590867.7/24

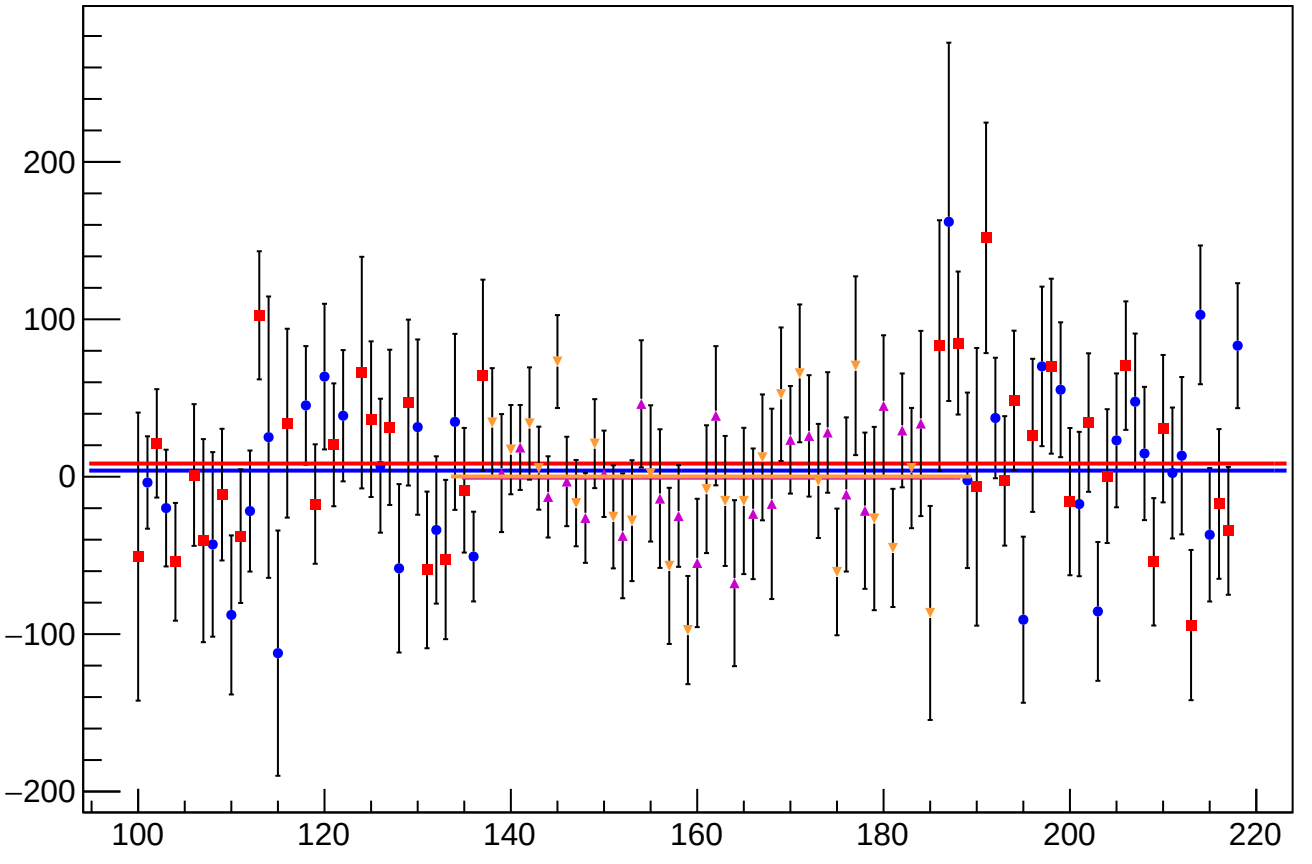
Right Out: 34786.645+/-5.534 χ^2/NDF: 1641758.2/35

Left In: 32075.078+/-5.421 χ^2/NDF:1455714.6/22

+ sign 32951.174+/-3.802 χ^2/NDF: 3339552.1/56

All: 33172.861+/-2.713 χ^2/NDF: 6566457.9/1

- sign 33402.913+/-3.873 χ^2/NDF: 3219976.8/58



Right In: 3.895+/-7.855 χ^2/NDF: 41.6/31

Left Out: 0.168+/-7.375 χ^2/NDF:31.1/24

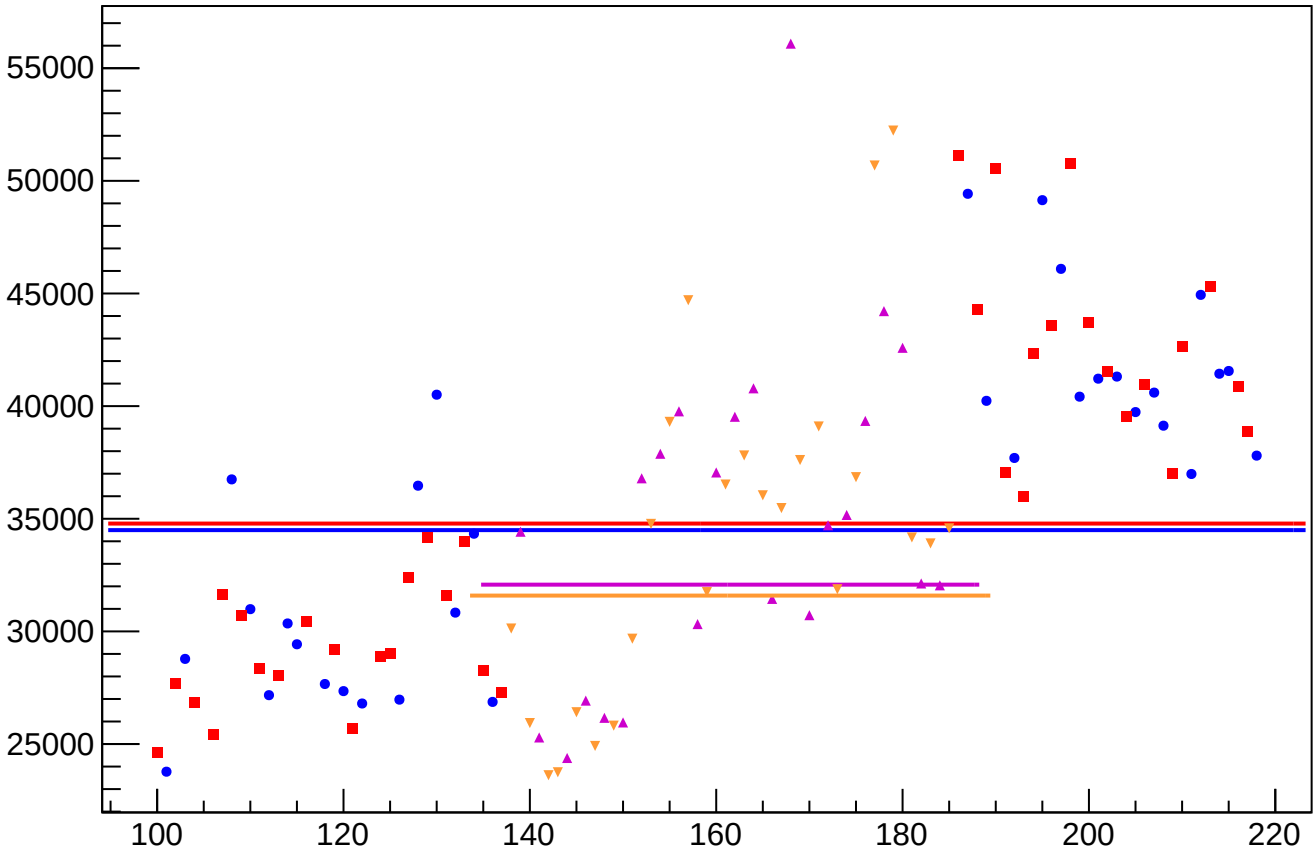
Right Out: 8.366+/-7.827 χ^2/NDF: 38.9/35

Left In: -0.586+/-7.667 χ^2/NDF:12.8/22

+ sign 1.914+/-5.376 χ^2/NDF: 72.9/56

All: 2.838+/-3.837 χ^2/NDF: 125.3/115

- sign 3.797+/-5.477 χ^2/NDF: 52.4/58



Right In: 34495.489+/-5.554 χ^2/NDF: 1603226.3/31

Left Out: 31589.841+/-5.215 χ^2/NDF:1590867.7/24

Right Out: 34786.645+/-5.534 χ^2/NDF: 1641758.2/35

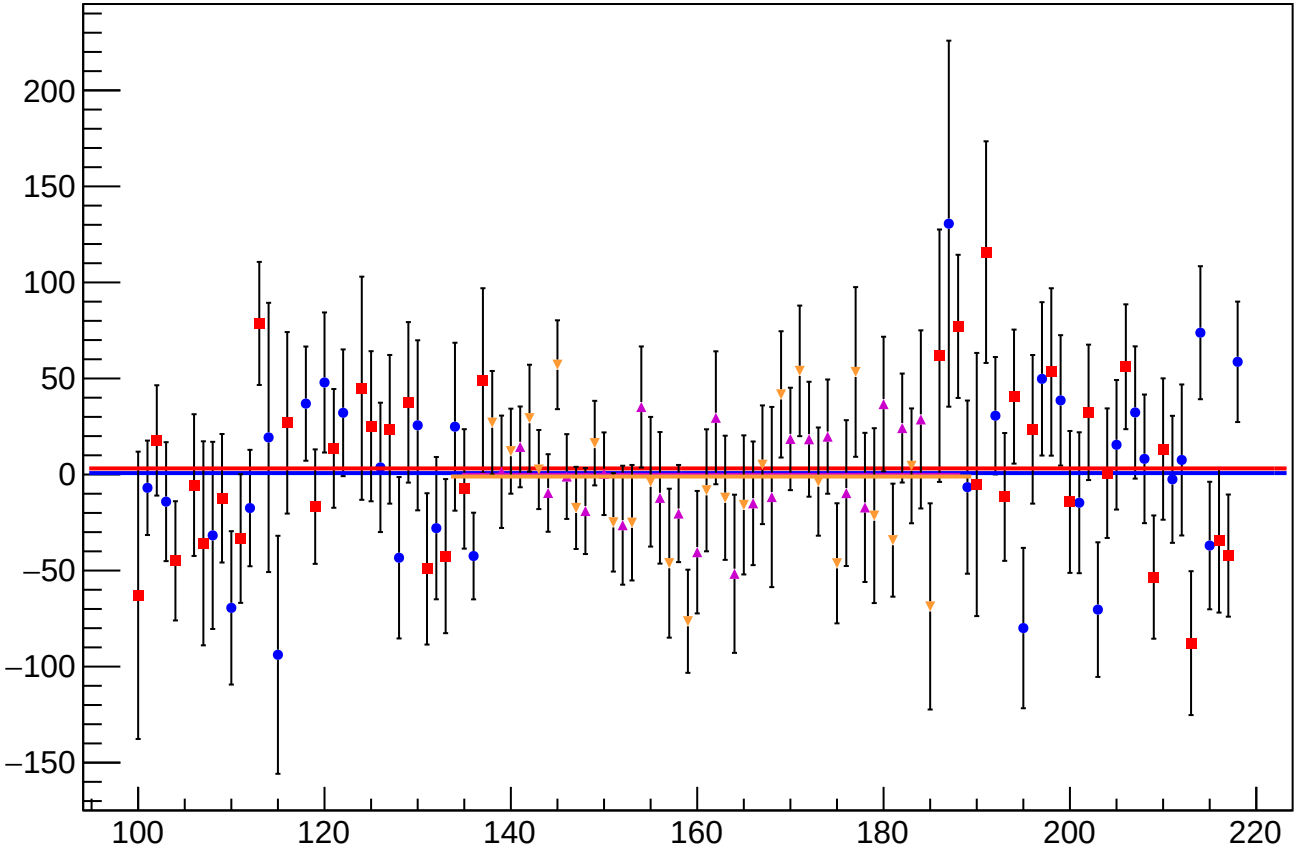
Left In: 32075.078+/-5.421 χ^2/NDF:1455714.6/22

+ sign 32951.174+/-3.802 χ^2/NDF: 3339552.1/56

All: 33172.861+/-2.713 χ^2/NDF: 6566457.9/1

- sign 33402.913+/-3.873 χ^2/NDF: 3219976.8/58

diff_bpmE_11X12X_mean vs Slug



Right In: 0.740+/-6.261 χ^2/NDF: 40.6/31

Left Out: -1.042+/-5.755 χ^2/NDF:32.3/24

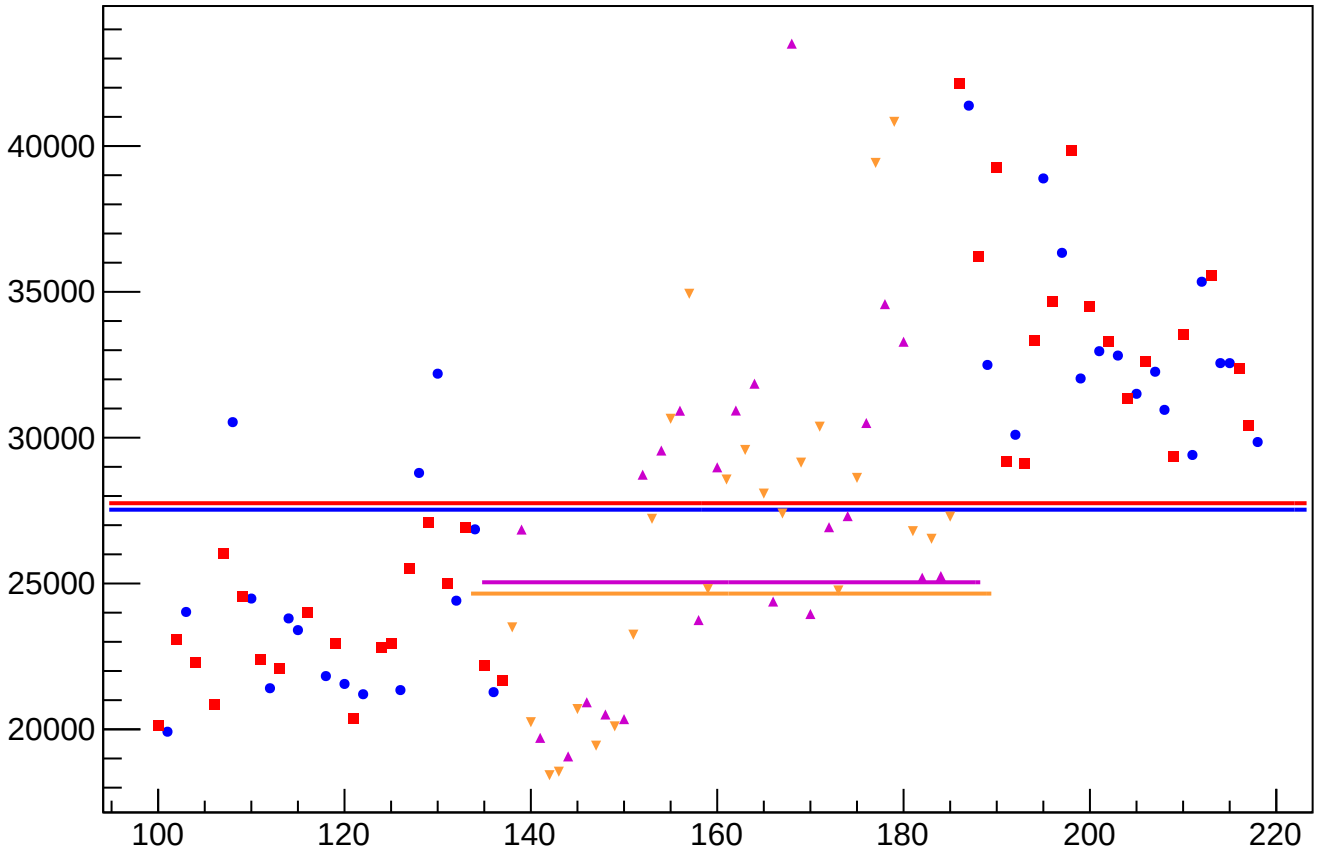
Right Out: 3.170+/-6.239 χ^2/NDF: 44.9/35

Left In: -0.147+/-5.985 χ^2/NDF:12.1/22

\+ sign -0.226+/-4.237 χ^2/NDF: 72.9/56

All: 0.592+/-3.024 χ^2/NDF: 130.1/115

\- sign 1.443+/-4.319 χ^2/NDF: 57.1/58



Right In: 27530.465+/-4.427 χ^2/NDF: 1515100.5/31

Left Out: 24654.001+/-4.069 χ^2/NDF:1582710.2/24

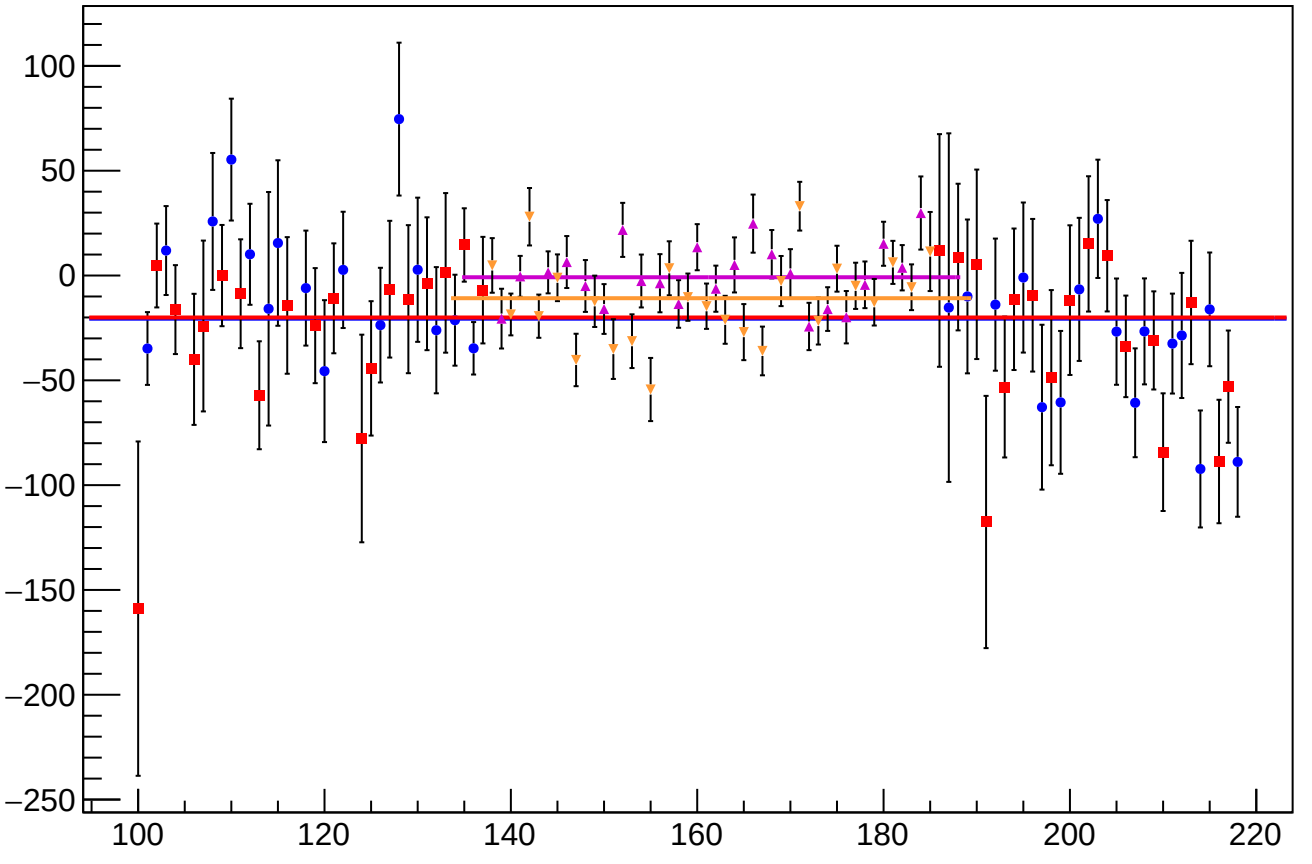
Right Out: 27753.044+/-4.412 χ^2/NDF: 1575863.7/35

Left In: 25041.993+/-4.232 χ^2/NDF:1441641.5/22

+ sign 25971.270+/-2.996 χ^2/NDF: 3326656.0/56

All: 26152.626+/-2.139 χ^2/NDF: 6548298.9/1

- sign 26341.094+/-3.054 χ^2/NDF: 3214169.9/58



Right In: -20.595+/-4.752 χ^2/NDF: 46.7/31

Left Out: -10.822+/-2.370 χ^2/NDF:61.3/24

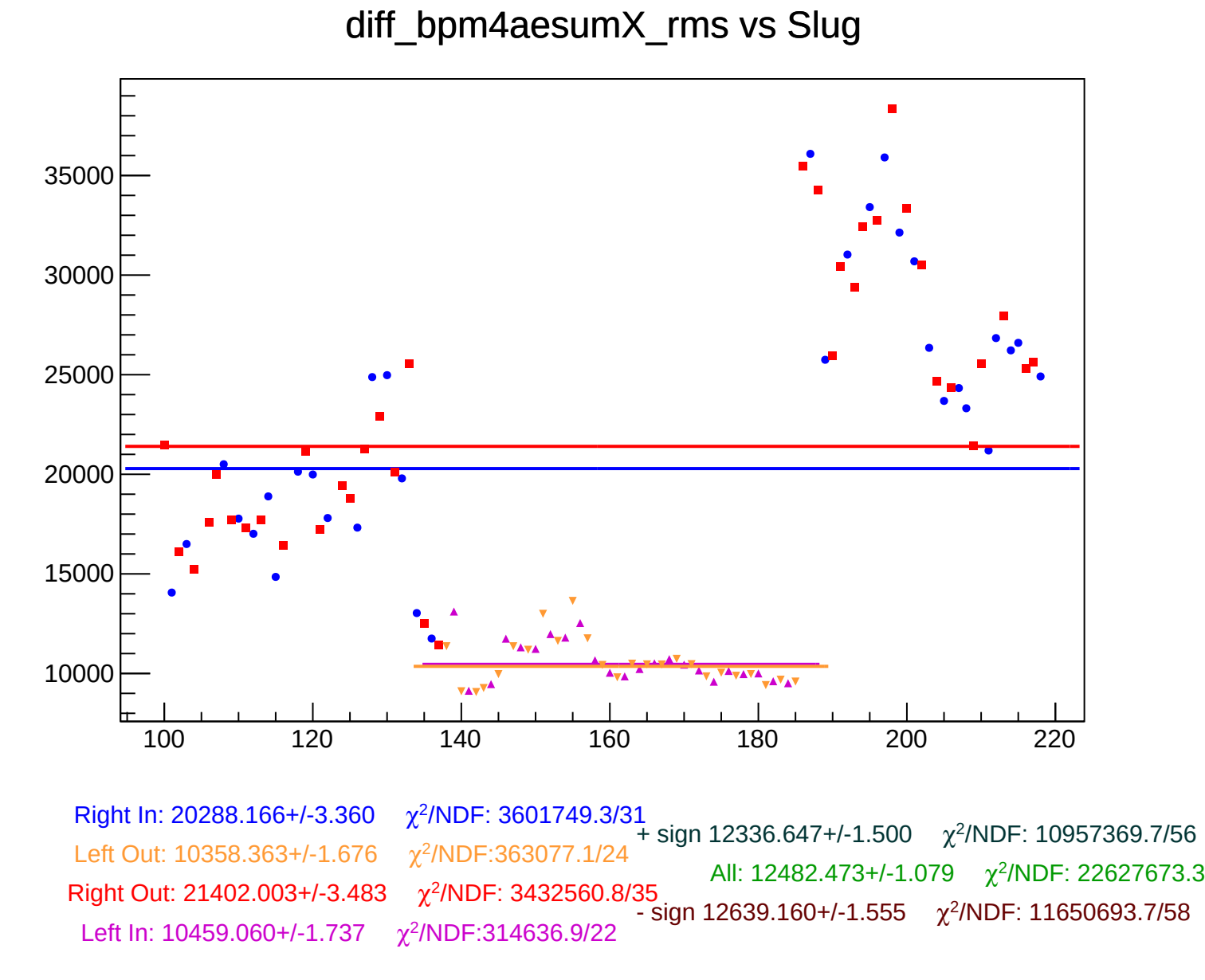
Right Out: -20.024+/-4.926 χ^2/NDF: 35.9/35

Left In: -0.826+/-2.457 χ^2/NDF:29.4/22

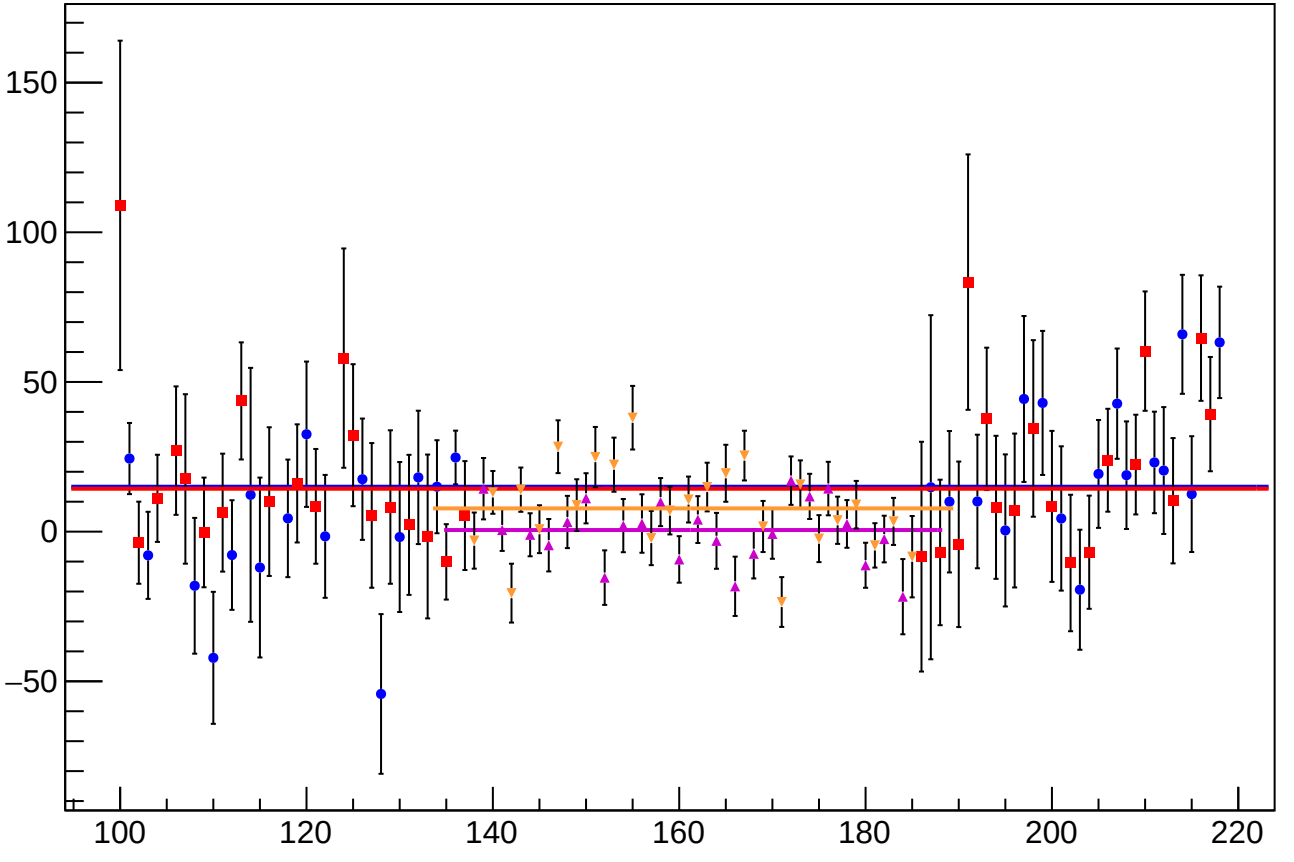
+ sign -12.769+/-2.121 χ^2/NDF: 111.3/56

All: -8.856+/-1.527 χ^2/NDF: 195.8/115

- sign -4.651+/-2.199 χ^2/NDF: 77.4/58


diff_bpm4aesumX_rms vs Slug
35000
30000
25000
20000
15000
10000
100
120
140
160
180
200
220
Right In: 20288.166+/-3.360 χ²/NDF: 3601749.3/31
Left Out: 10358.363+/-1.676 χ²/NDF:363077.1/24
Right Out: 21402.003+/-3.483 χ²/NDF: 3432560.8/35
Left In: 10459.060+/-1.737 χ²/NDF:314636.9/22
+ sign 12336.647+/-1.500 χ²/NDF: 10957369.7/56
All: 12482.473+/-1.079 χ²/NDF: 22627673.3
- sign 12639.160+/-1.555 χ²/NDF: 11650693.7/58

diff_bpm4aediffX_mean vs Slug



Right In: 14.998+/-3.392 χ^2/NDF: 46.2/31

Left Out: 7.763+/-1.691 χ^2/NDF:60.9/24

Right Out: 14.339+/-3.522 χ^2/NDF: 36.7/35

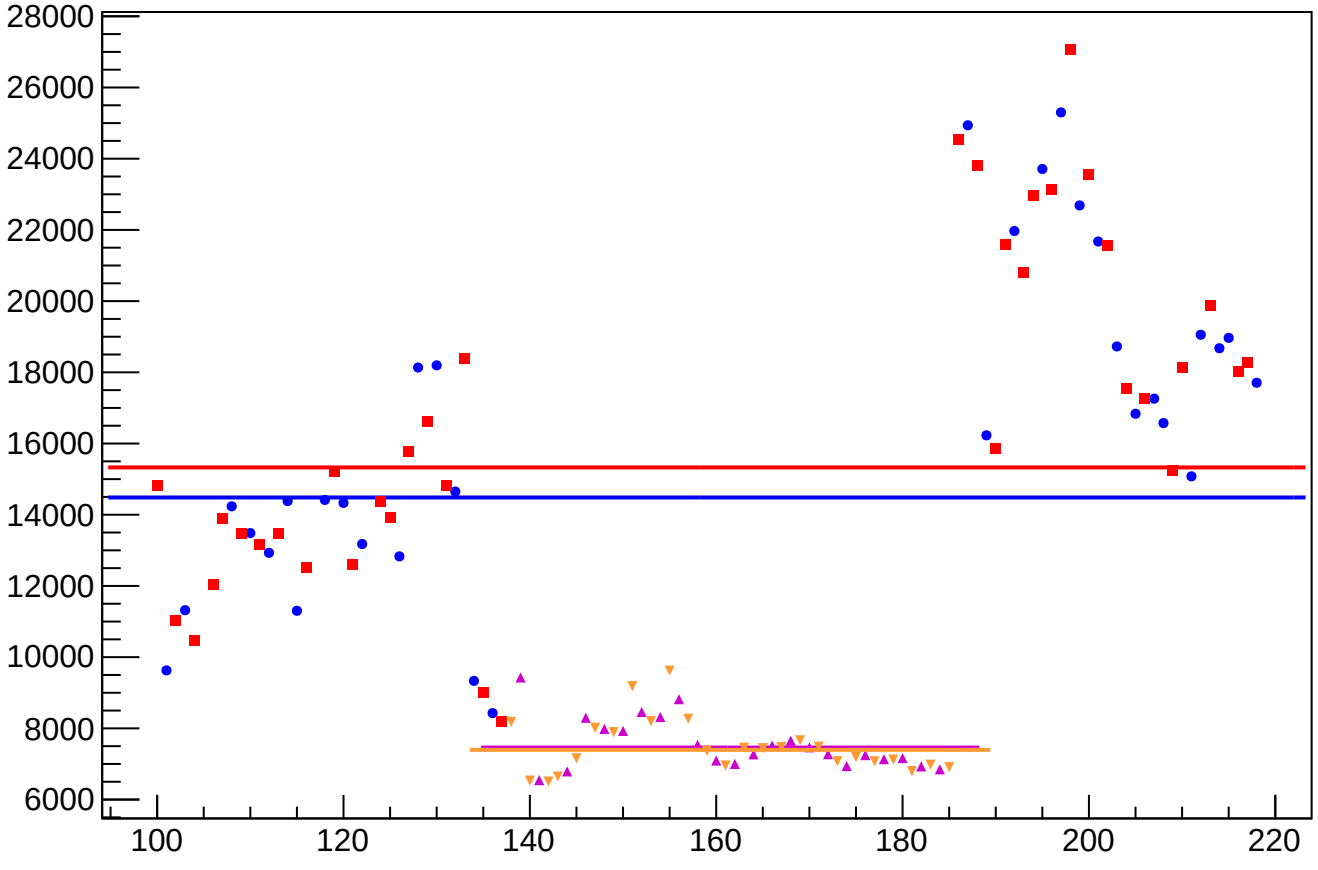
Left In: 0.532+/-1.752 χ^2/NDF:29.4/22

+ sign 9.204+/-1.514 χ^2/NDF: 110.8/56

All: 6.343+/-1.089 χ^2/NDF: 196.7/115

- sign 3.271+/-1.569 χ^2/NDF: 78.5/58

diff_bpm4aediffX_rms vs Slug



Right In: 14484.660+/-2.398 χ^2/NDF: 3532820.9/31

Left Out: 7395.667+/-1.196 χ^2/NDF:324459.4/24

Right Out: 15328.469+/-2.490 χ^2/NDF: 3299329.5/35

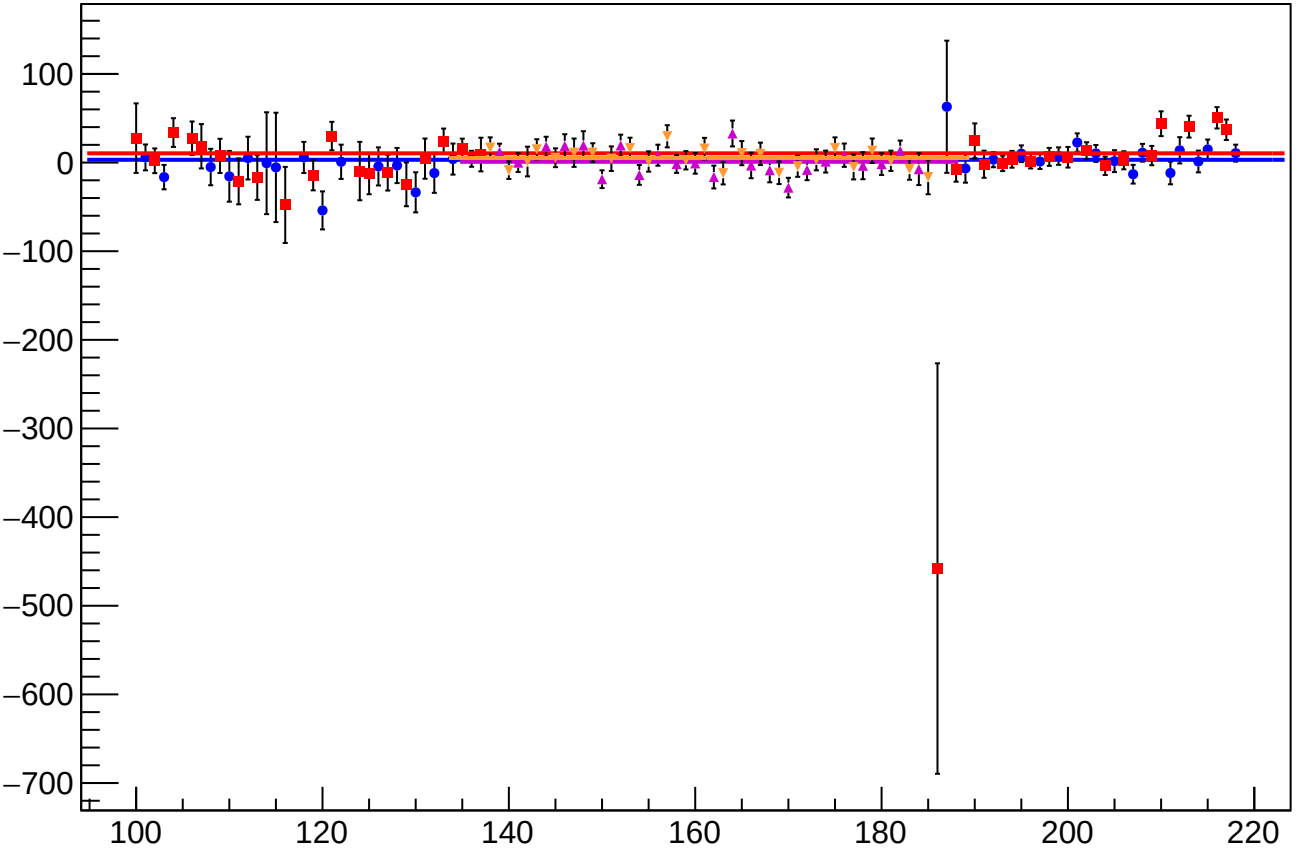
Left In: 7460.824+/-1.239 χ^2/NDF:284034.9/22

+ sign 8807.617+/-1.070 χ^2/NDF: 10854206.4/56

All: 8910.791+/-0.770 χ^2/NDF: 22458204.3/1

- sign 9021.588+/-1.109 χ^2/NDF: 11584727.4/58

diff_bpm4aesumY_mean vs Slug



Right In: 3.151+/-2.335 χ^2/NDF: 25.6/31

Left Out: 5.178+/-2.459 χ^2/NDF:18.4/24

Right Out: 10.447+/-2.328 χ^2/NDF: 58.7/35

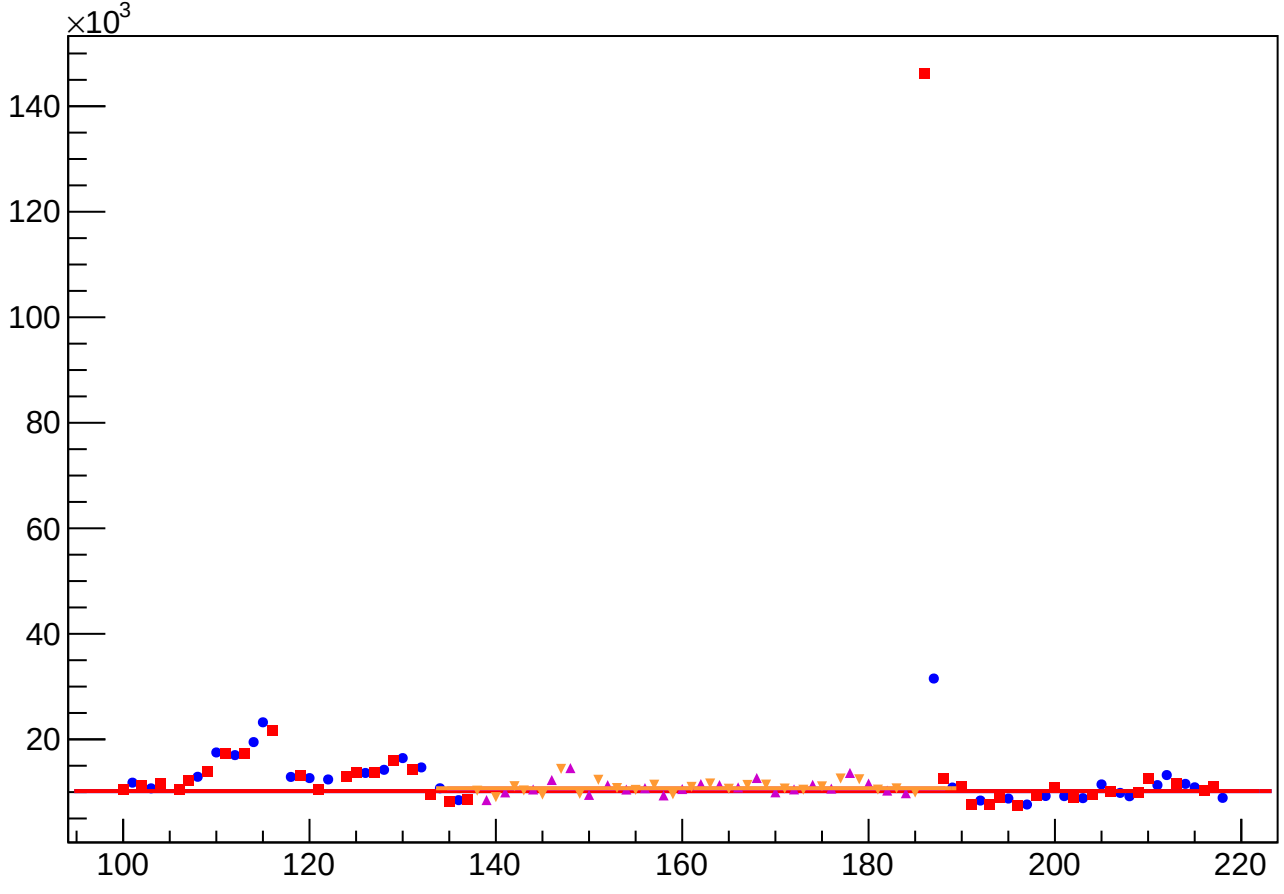
Left In: 0.891+/-2.519 χ^2/NDF:31.8/22

+ sign 4.112+/-1.693 χ^2/NDF: 44.4/56

All: 5.069+/-1.203 χ^2/NDF: 143.3/115

- sign 6.045+/-1.709 χ^2/NDF: 98.3/58

diff_bpm4aesumY_rms vs Slug



Right In: 10180.762+/-1.651 χ^2/NDF: 1801183.5/31

Left Out: 10733.733+/-1.739 χ^2/NDF:368279.7/24

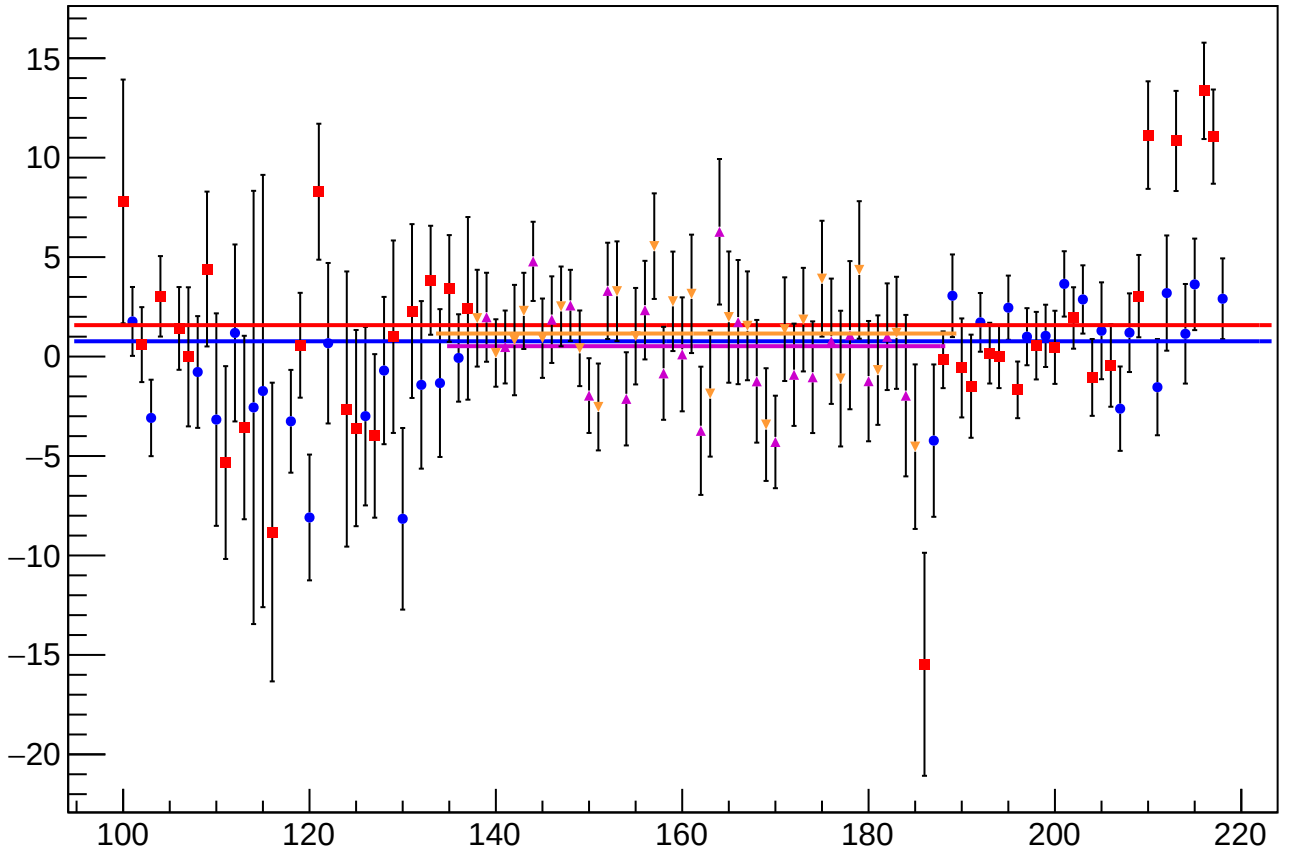
Right Out: 10195.291+/-1.646 χ^2/NDF: 2403188.2/35

Left In: 10677.154+/-1.781 χ^2/NDF:500574.4/22

+ sign 10442.973+/-1.197 χ^2/NDF: 2222650.4/56

All: 10430.252+/-0.851 χ^2/NDF: 5166124.6/1

- sign 10417.286+/-1.209 χ^2/NDF: 2943246.2/58



Right In: 0.768+/-0.411 χ^2/NDF: 37.0/31

Left Out: 1.158+/-0.500 χ^2/NDF:16.8/24

Right Out: 1.580+/-0.395 χ^2/NDF: 106.0/35

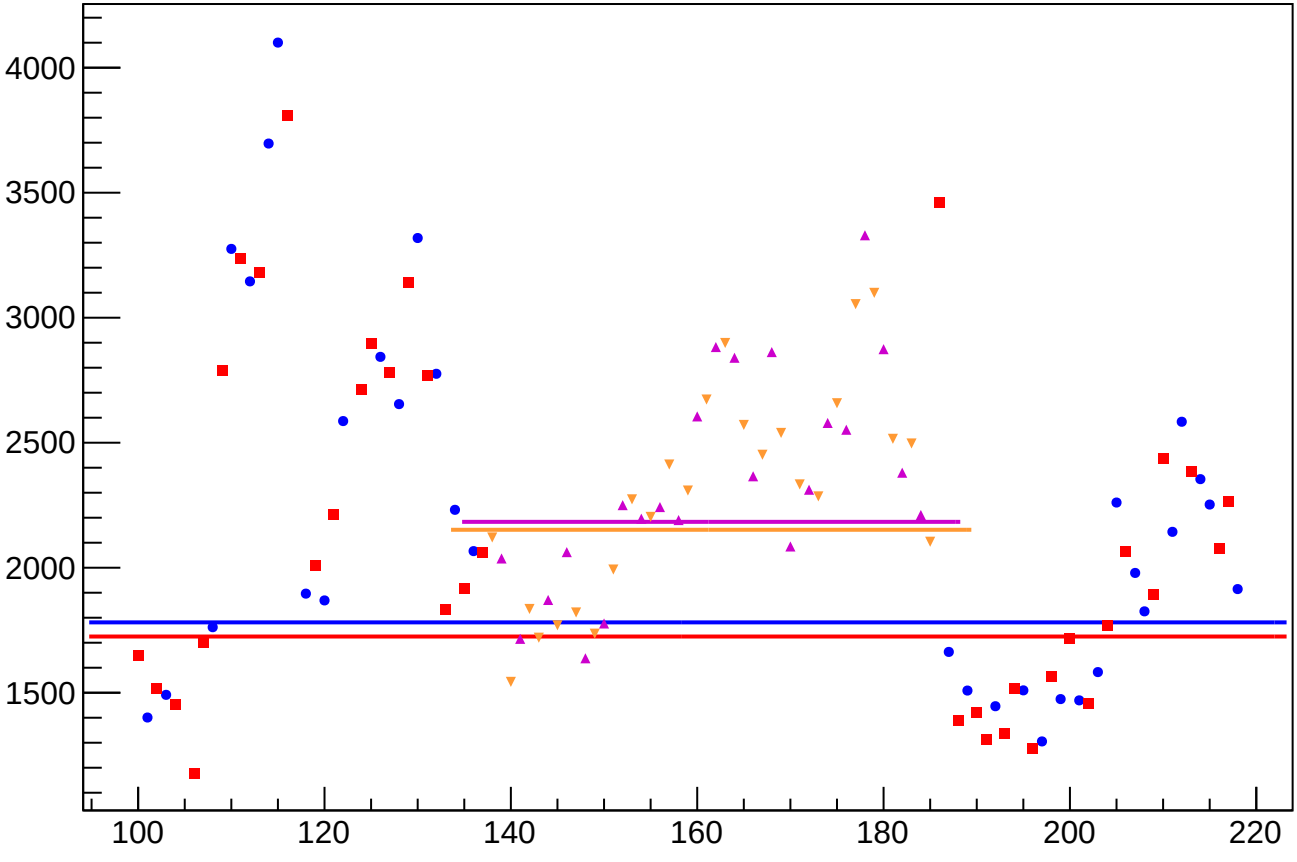
Left In: 0.522+/-0.520 χ^2/NDF:22.3/22

+ sign 0.925+/-0.317 χ^2/NDF: 54.2/56

All: 1.060+/-0.223 χ^2/NDF: 185.5/115

- sign 1.192+/-0.315 χ^2/NDF: 130.9/58

diff_bpm4aediffY_rms vs Slug



Right In: 1781.392+/-0.290 χ^2/NDF: 2432826.0/31

Left Out: 2151.757+/-0.354 χ^2/NDF:1349537.9/24

Right Out: 1724.823+/-0.280 χ^2/NDF: 2868267.8/35

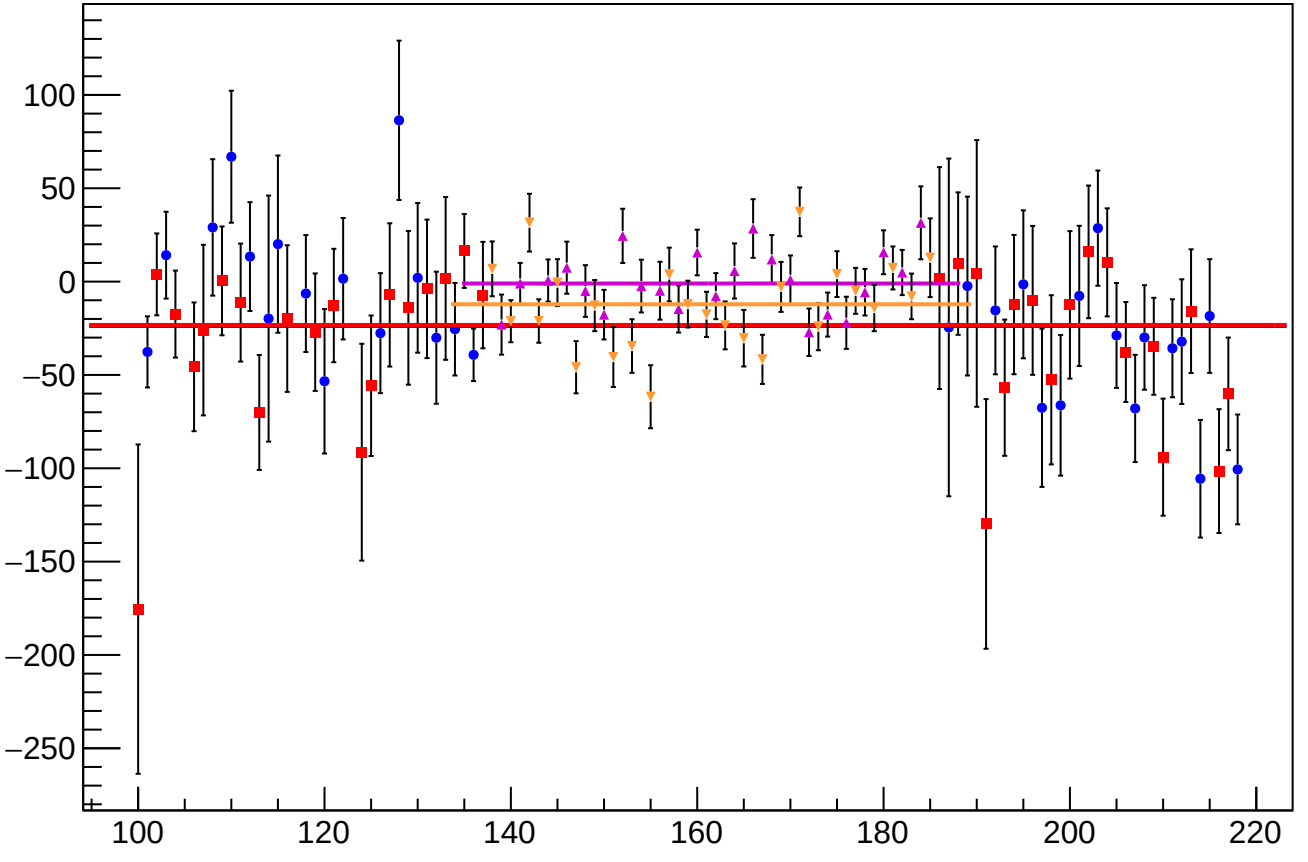
Left In: 2183.482+/-0.368 χ^2/NDF:1162266.2/22

+ sign 1930.607+/-0.224 χ^2/NDF: 4437259.5/56

All: 1911.584+/-0.158 χ^2/NDF: 9468363.1/11

- sign 1892.890+/-0.223 χ^2/NDF: 5016864.4/58

diff_bpmtargetsumX_mean vs Slug



Right In: -23.737+/-5.371 χ^2/NDF: 46.5/31

Left Out: -12.135+/-2.661 χ^2/NDF:62.6/24

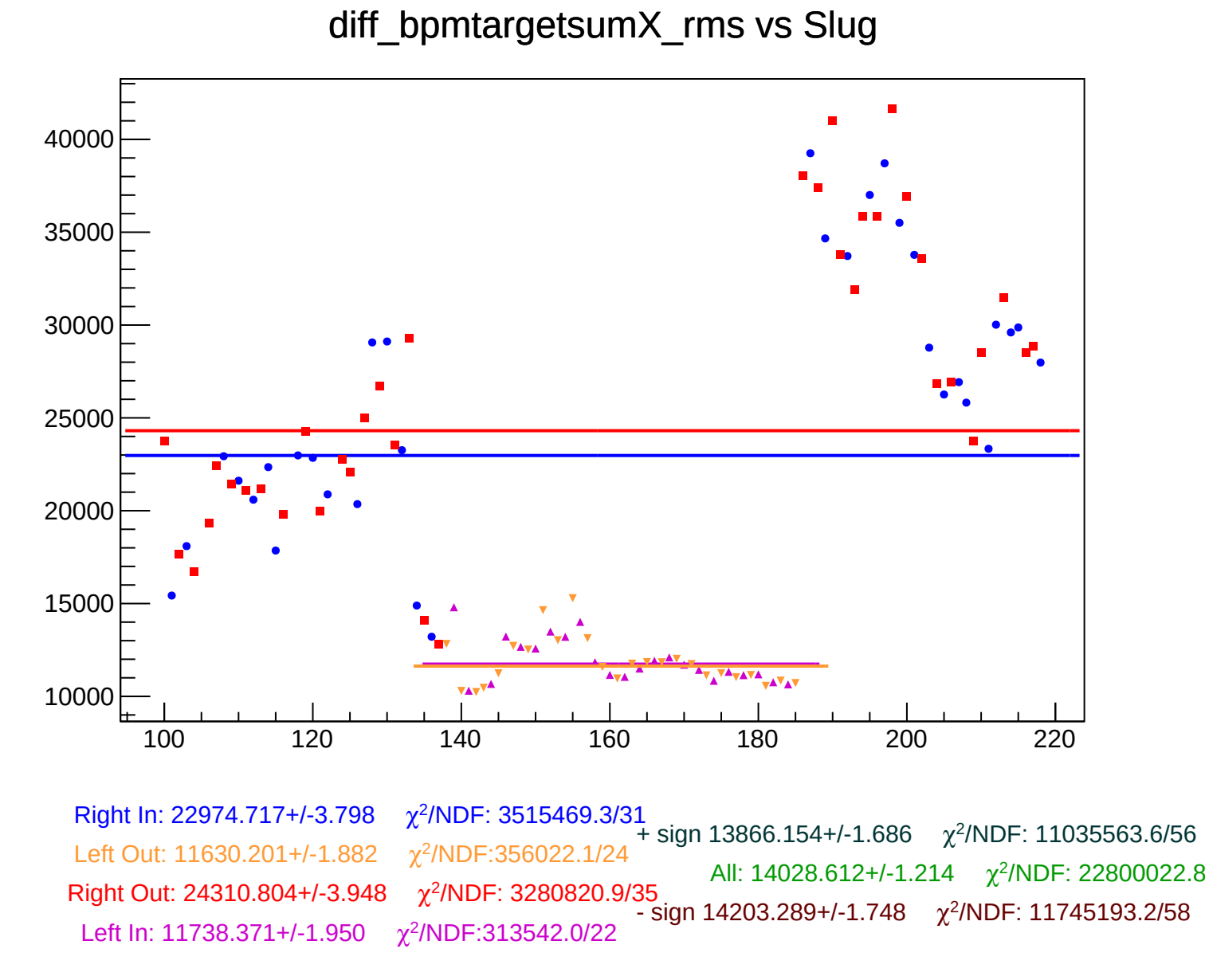
Right Out: -23.214+/-5.584 χ^2/NDF: 35.9/35

Left In: -1.024+/-2.758 χ^2/NDF:28.8/22

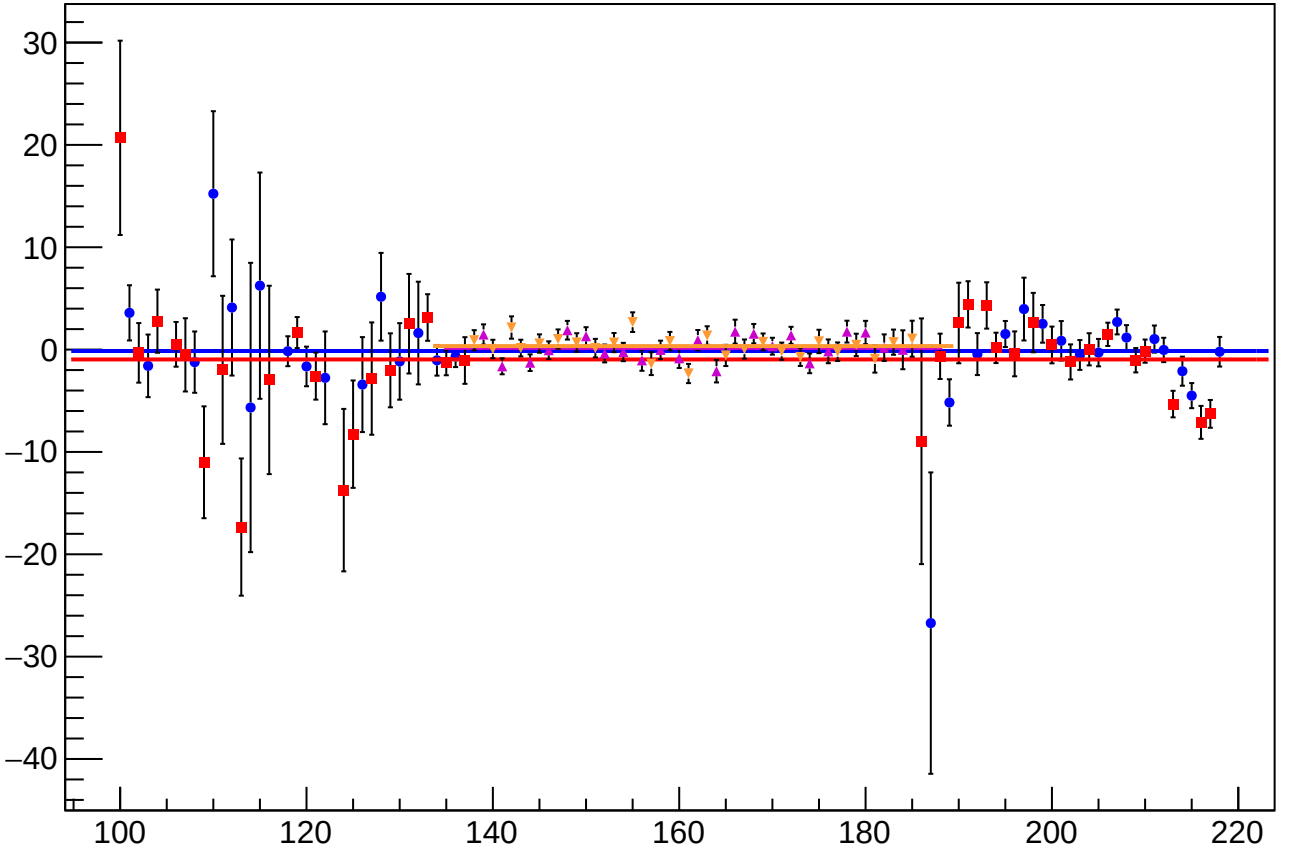
+ sign -14.421+/-2.384 χ^2/NDF: 112.9/56

All: -10.062+/-1.716 χ^2/NDF: 197.2/115

- sign -5.374+/-2.473 χ^2/NDF: 77.4/58


diff_bpmtargetsumX_rms vs Slug
40000
35000
30000
25000
20000
15000
10000
100
120
140
160
180
200
220
Right In: 22974.717+/-3.798 χ²/NDF: 3515469.3/31
Left Out: 11630.201+/-1.882 χ²/NDF:356022.1/24
Right Out: 24310.804+/-3.948 χ²/NDF: 3280820.9/35
Left In: 11738.371+/-1.950 χ²/NDF:313542.0/22
+ sign 13866.154+/-1.686 χ²/NDF: 11035563.6/56
All: 14028.612+/-1.214 χ²/NDF: 22800022.8
- sign 14203.289+/-1.748 χ²/NDF: 11745193.2/58

diff_bpmtargetdiffX_mean vs Slug



Right In: -0.138+/-0.319 χ^2/NDF: 46.7/31

Left Out: 0.343+/-0.194 χ^2/NDF:26.8/24

Right Out: -0.963+/-0.338 χ^2/NDF: 90.6/35

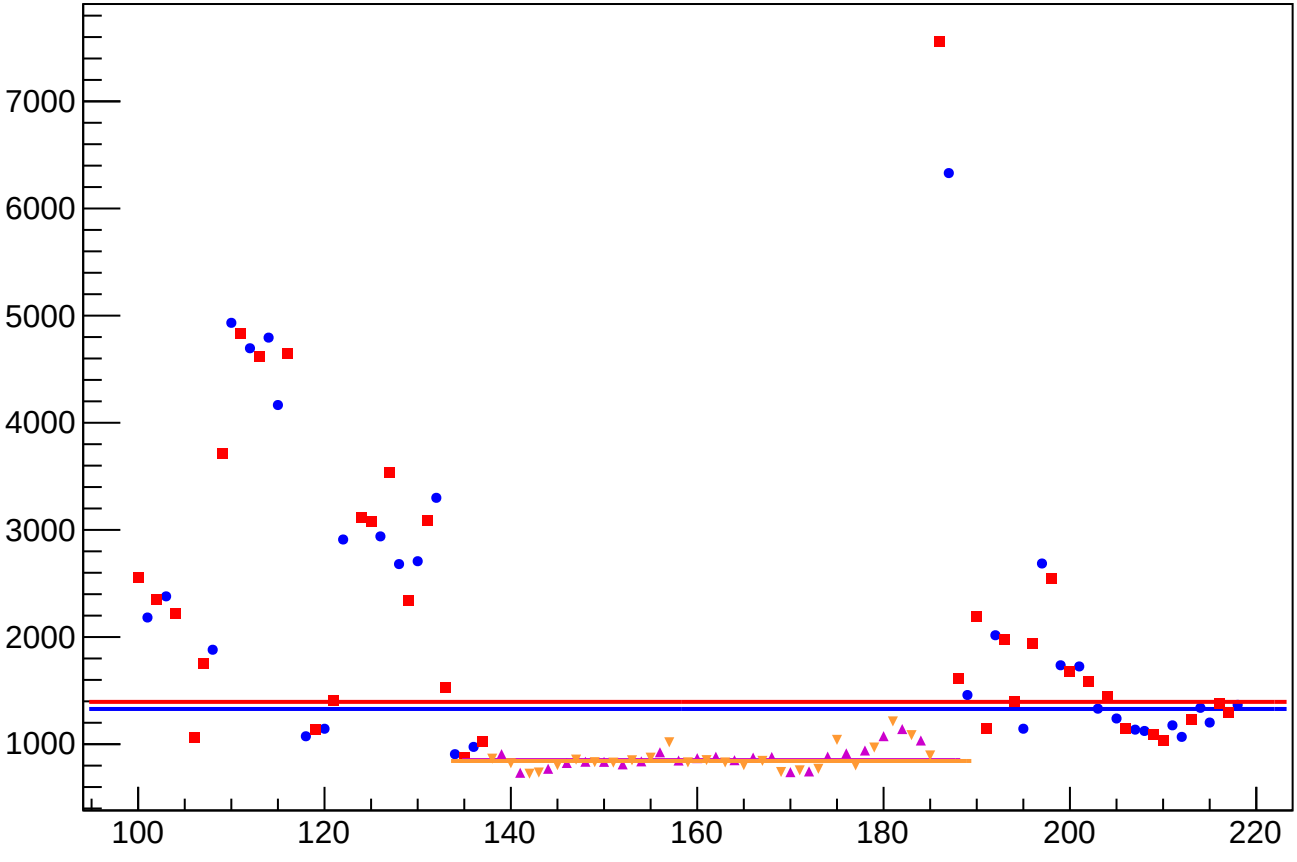
Left In: 0.165+/-0.201 χ^2/NDF:36.3/22

\+ sign 0.213+/-0.166 χ^2/NDF: 75.1/56

All: 0.049+/-0.120 χ^2/NDF: 212.4/115

\- sign -0.130+/-0.173 χ^2/NDF: 135.2/58

diff_bpmtargetdiffX_rms vs Slug



Right In: 1328.710+/-0.226 χ^2/NDF: 4746219.5/31

Left Out: 843.266+/-0.137 χ^2/NDF:505106.4/24

Right Out: 1394.945+/-0.239 χ^2/NDF: 5219295.2/35

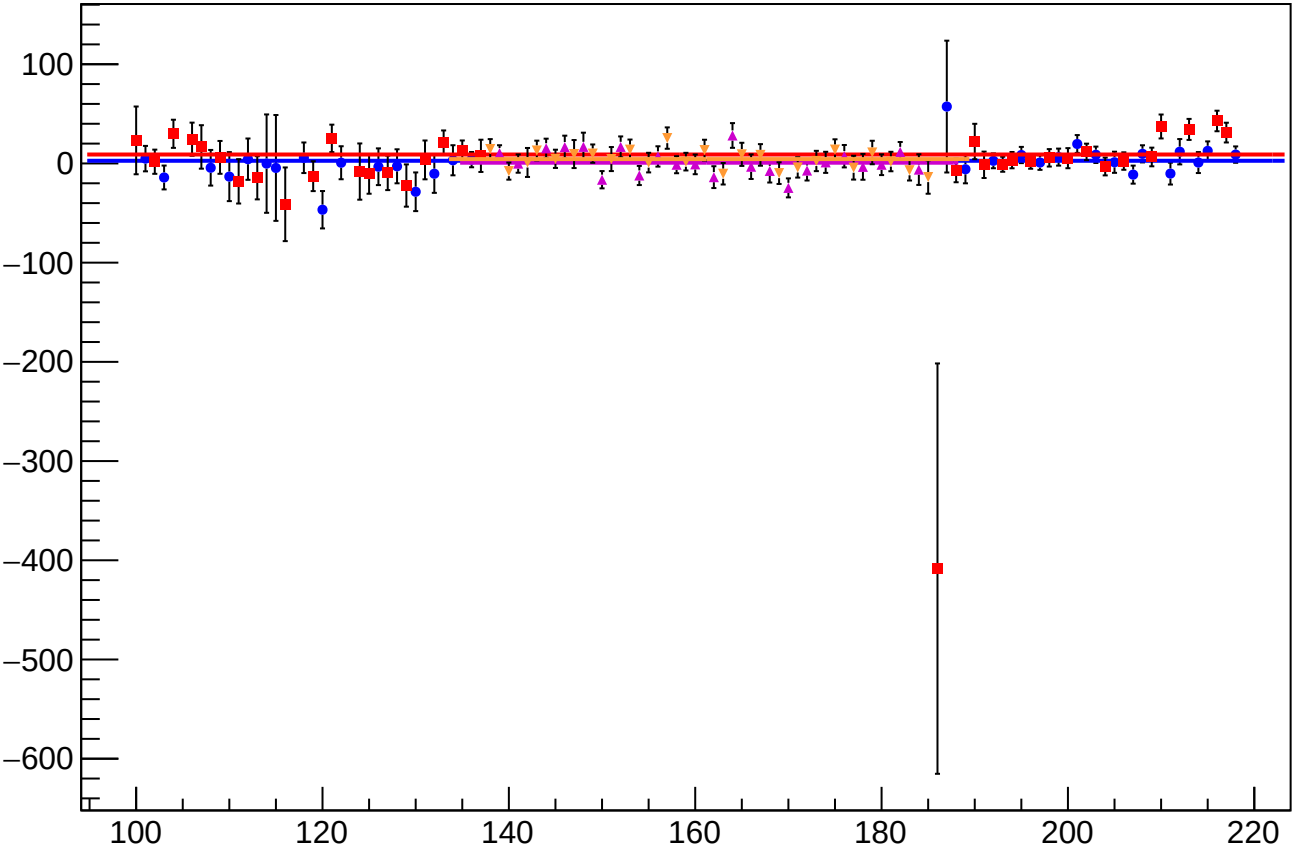
Left In: 851.618+/-0.142 χ^2/NDF:382555.6/22

+ sign 973.863+/-0.117 χ^2/NDF: 8628723.8/56

All: 983.340+/-0.085 χ^2/NDF: 18068921.8/11

- sign 993.631+/-0.122 χ^2/NDF: 9426545.2/58

diff_bpmtargetsumY_mean vs Slug



Right In: 2.687+/-2.021 χ^2/NDF: 25.2/31

Left Out: 4.383+/-2.122 χ^2/NDF:18.6/24

Right Out: 9.003+/-2.018 χ^2/NDF: 57.2/35

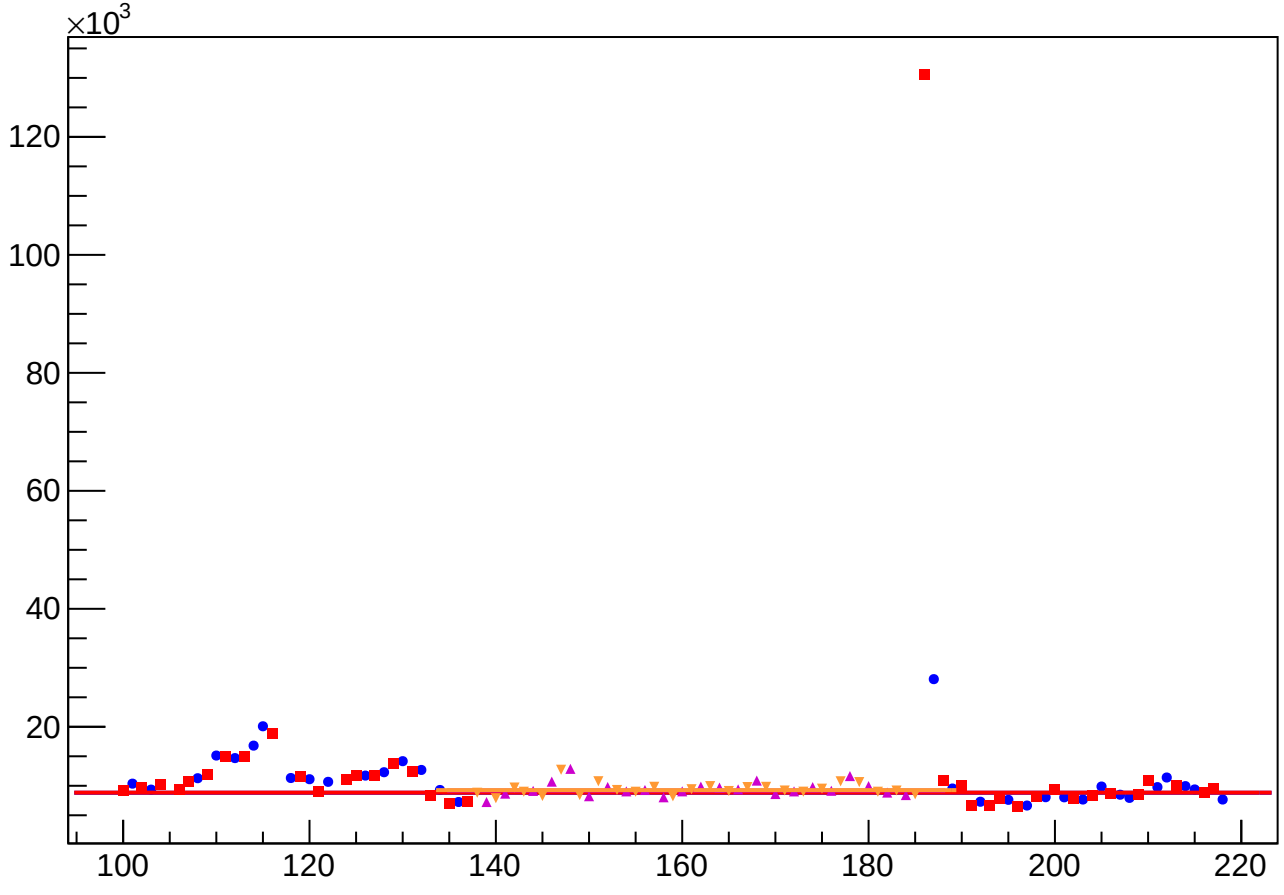
Left In: 0.734+/-2.171 χ^2/NDF:32.0/22

\+ sign 3.494+/-1.464 χ^2/NDF: 44.2/56

All: 4.323+/-1.040 χ^2/NDF: 141.9/115

\- sign 5.169+/-1.478 χ^2/NDF: 97.0/58

diff_bpmtargetsumY_rms vs Slug



Right In: 8812.108+/-1.429 χ^2/NDF: 1806657.8/31

Left Out: 9261.542+/-1.500 χ^2/NDF:366072.4/24

Right Out: 8838.217+/-1.427 χ^2/NDF: 2399908.3/35

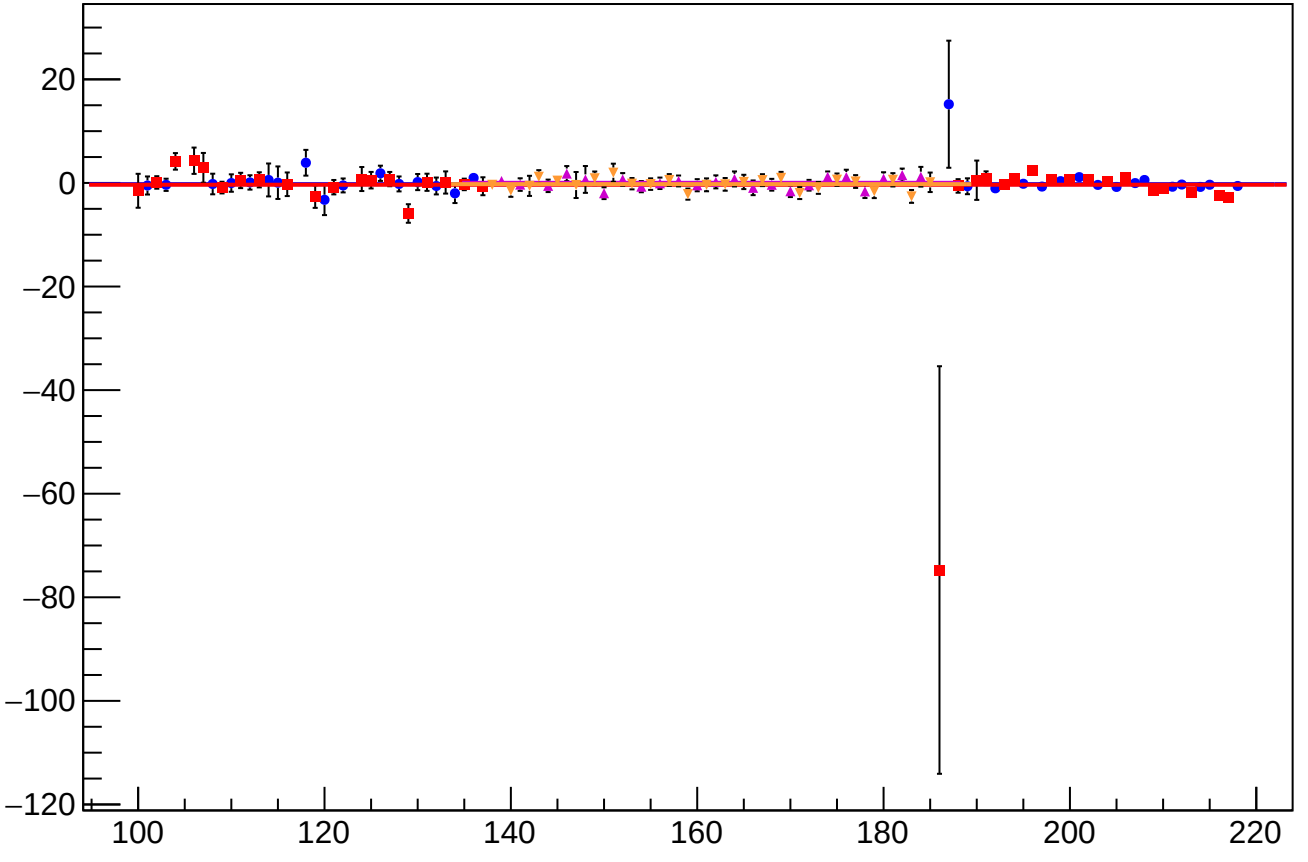
Left In: 9199.542+/-1.535 χ^2/NDF:515496.8/22

+ sign 9025.965+/-1.035 χ^2/NDF: 2219772.1/56

All: 9015.966+/-0.735 χ^2/NDF: 5165086.9/11

- sign 9005.767+/-1.045 χ^2/NDF: 2945126.3/58

diff_bpmtargetdiffY_mean vs Slug



Right In: -0.233+/-0.165 χ^2/NDF: 19.1/31

Left Out: -0.229+/-0.243 χ^2/NDF:19.0/24

Right Out: -0.345+/-0.170 χ^2/NDF: 91.1/35

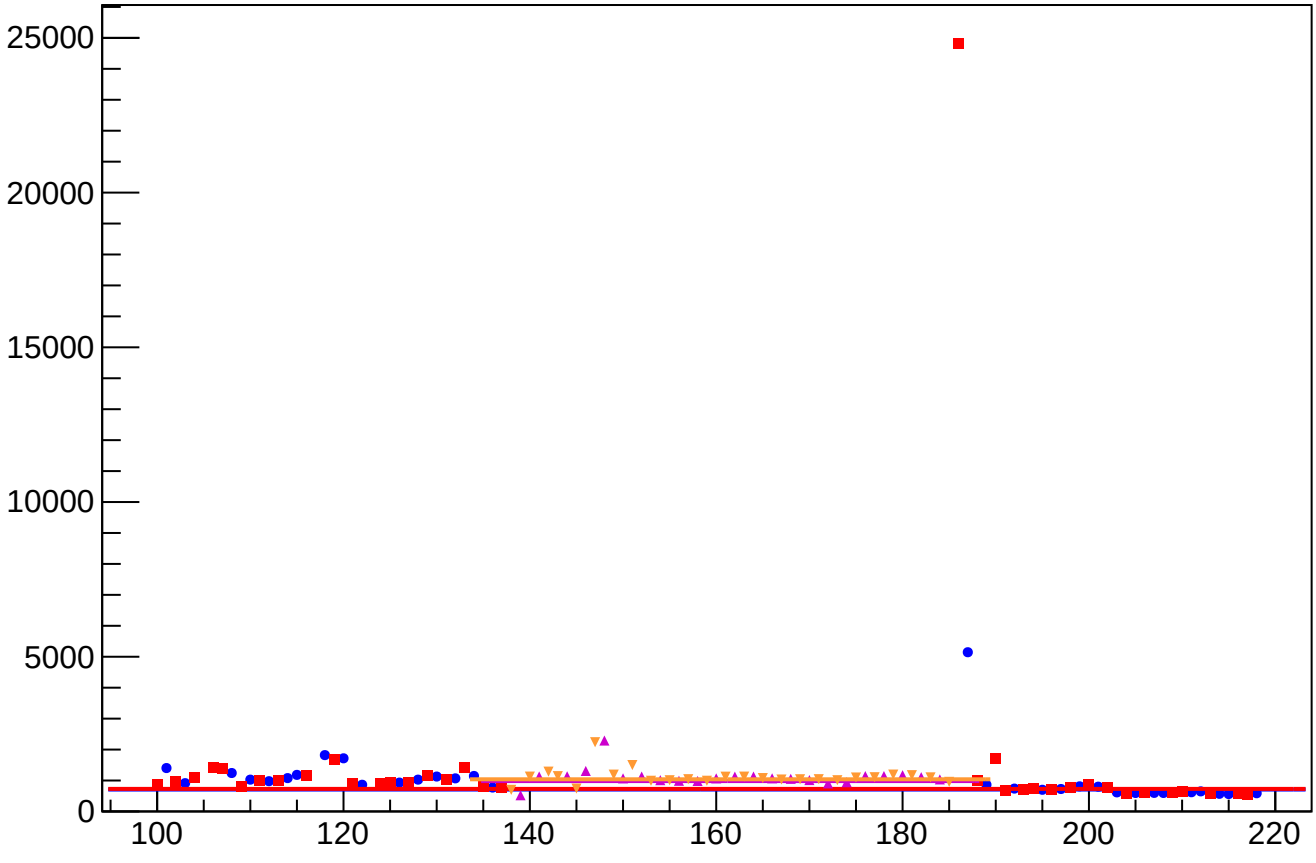
Left In: 0.025+/-0.239 χ^2/NDF:15.2/22

+ sign -0.232+/-0.137 χ^2/NDF: 38.1/56

All: -0.226+/-0.097 χ^2/NDF: 146.1/115

- sign -0.221+/-0.139 χ^2/NDF: 108.0/58

diff_bpmtargetdiffY_rms vs Slug



Right In: 708.284+/-0.117 χ^2/NDF: 2817194.5/31

Left Out: 1039.424+/-0.172 χ^2/NDF:1339748.9/24

Right Out: 729.159+/-0.120 χ^2/NDF: 3225458.5/35

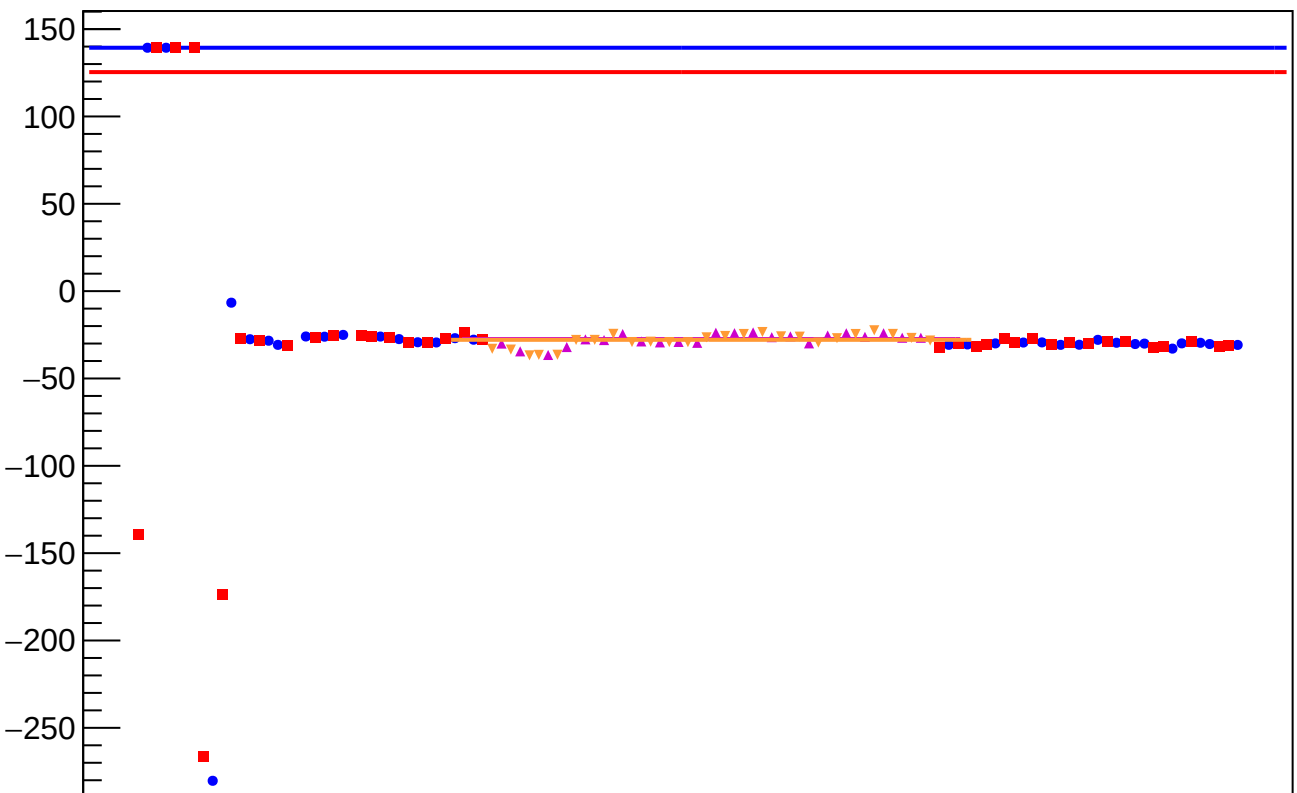
Left In: 981.677+/-0.169 χ^2/NDF:2225094.5/22

+ sign 812.515+/-0.097 χ^2/NDF: 6693312.6/56

All: 813.209+/-0.069 χ^2/NDF: 13625907.8/11

- sign 813.924+/-0.098 χ^2/NDF: 6932490.4/58

yield_cav4bX_mean vs Slug



Right In: 139.336+/-0.000 χ^2/NDF: 69794093173.6/31

Left Out: -27.865+/-0.000 χ^2/NDF:181586557.6/24

Right Out: 125.391+/-0.000 χ^2/NDF: 774192236728746.4/35

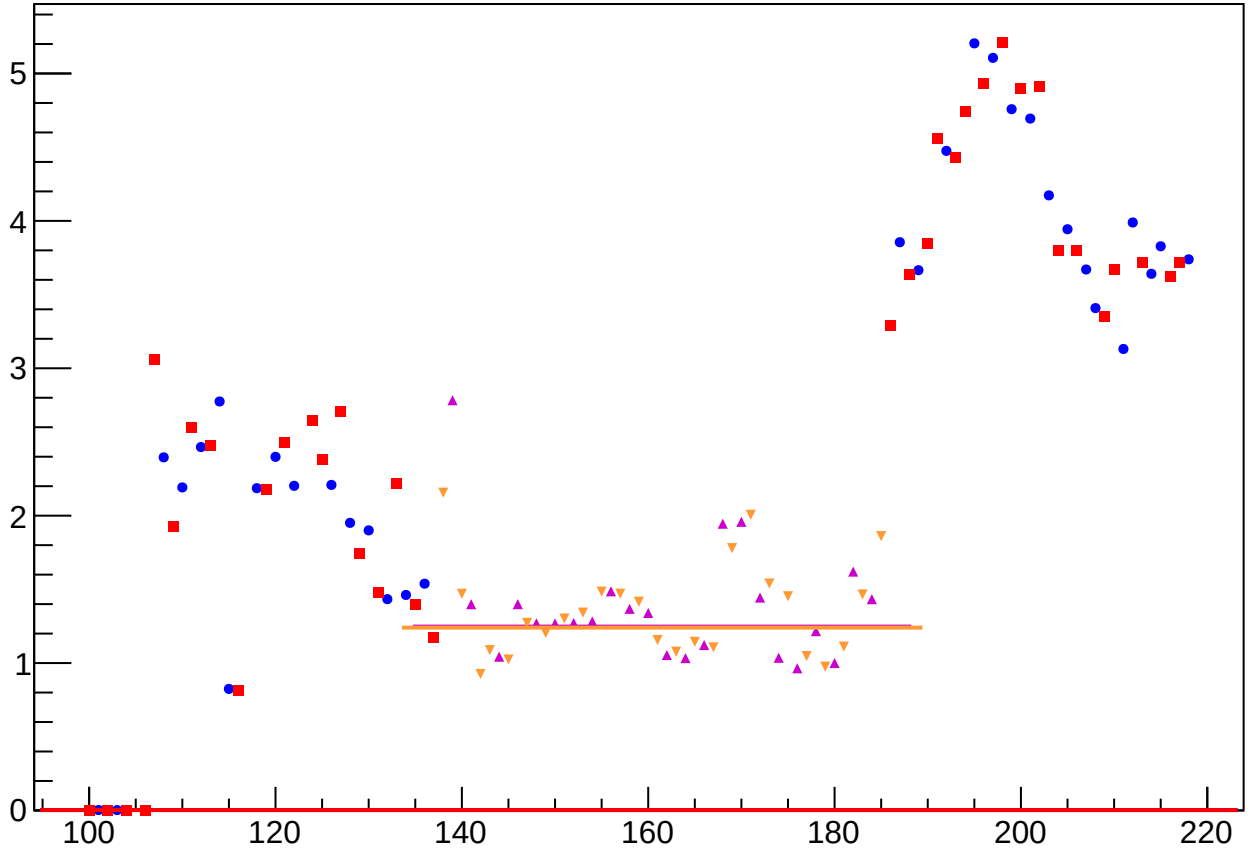
Left In: -27.427+/-0.000 χ^2/NDF:123181562.3/22

+ sign 139.327+/-0.000 χ^2/NDF: 344335481326.0/5

All: 131.810+/-0.000 χ^2/NDF: 79352887683

- sign 125.384+/-0.000 χ^2/NDF: 774405888751594

yield_cav4bX_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 34632382.7/31

Left Out: 1.241+/-0.000 χ^2/NDF:1221248.2/24

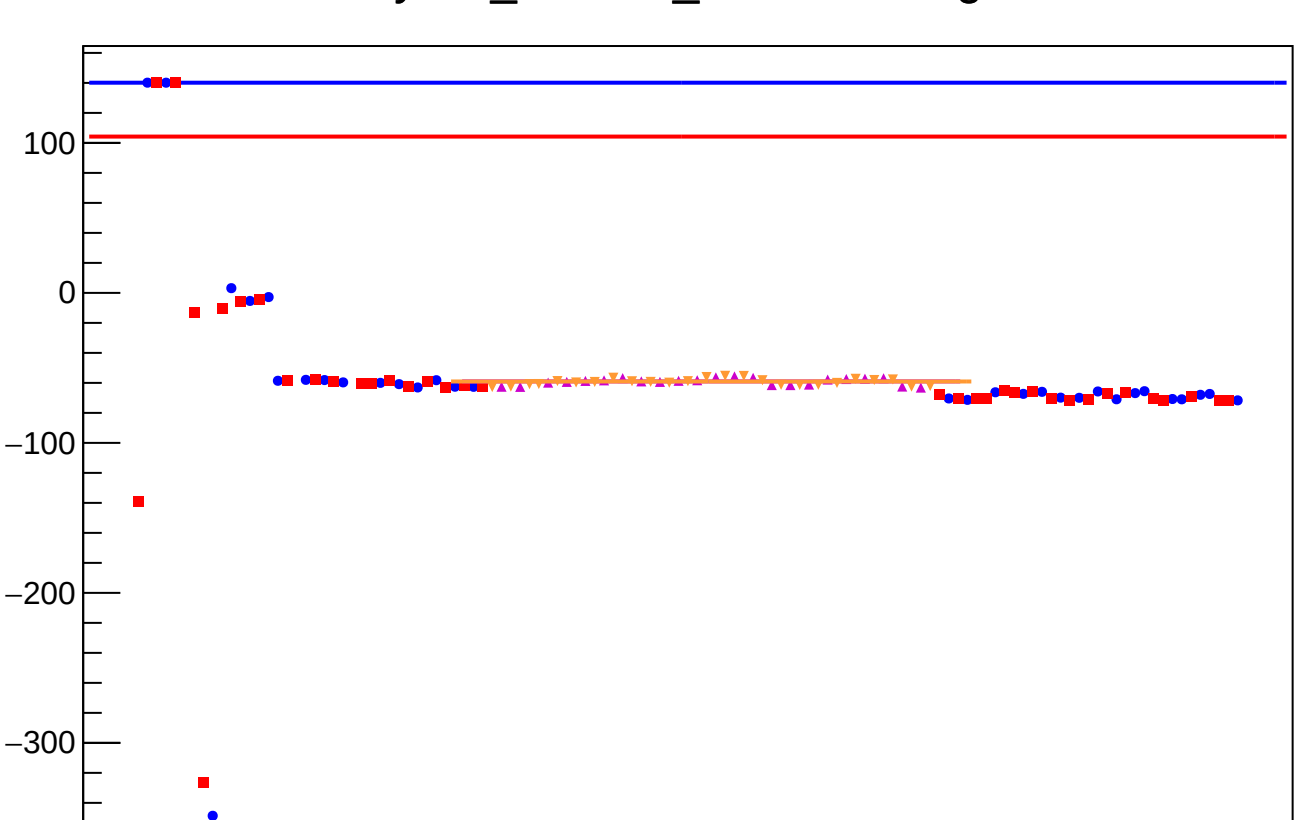
Right Out: 0.003+/-0.000 χ^2/NDF: 35252053.4/35

Left In: 1.247+/-0.000 χ^2/NDF:1436411.6/22

+ sign 0.003+/-0.000 χ^2/NDF: 65930193.3/56

All: 0.003+/-0.000 χ^2/NDF: 130949363.1/115

- sign 0.003+/-0.000 χ^2/NDF: 65018748.2/58



Right In: 140.133+/-0.000 χ^2/NDF: 586812166126.3/31

Left Out: -59.066+/-0.000 χ^2/NDF:177511074.0/24

Right Out: 104.216+/-0.000 χ^2/NDF: 1257687074400449.5/35

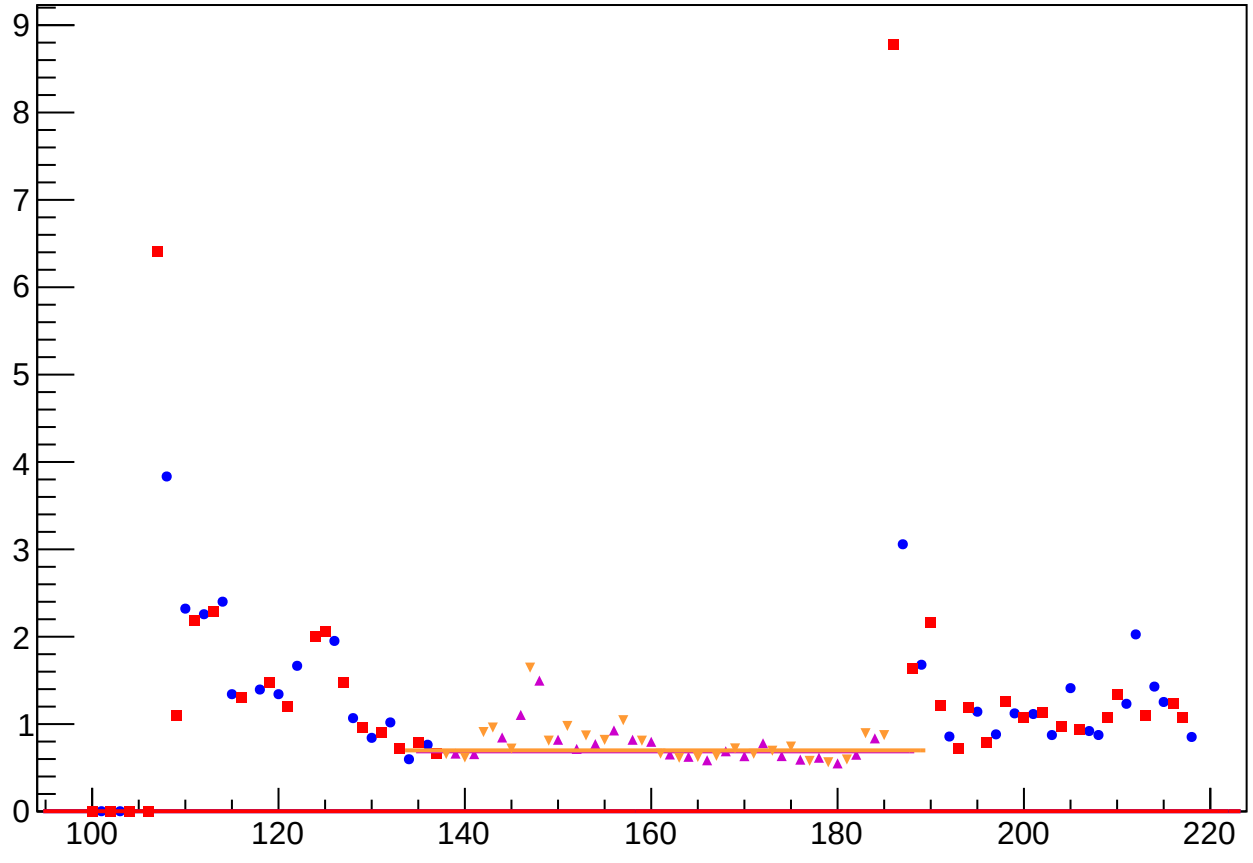
Left In: -59.020+/-0.000 χ^2/NDF:179236820.4/22

+ sign 140.096+/-0.000 χ^2/NDF: 1883862905418.3

All: 120.792+/-0.000 χ^2/NDF: 13836650251

- sign 104.191+/-0.000 χ^2/NDF: 125854405556242

yield_cav4bY_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 31636164.4/31

Left Out: 0.699+/-0.000 χ^2/NDF:1357196.3/24

Right Out: 0.003+/-0.000 χ^2/NDF: 32641397.7/35

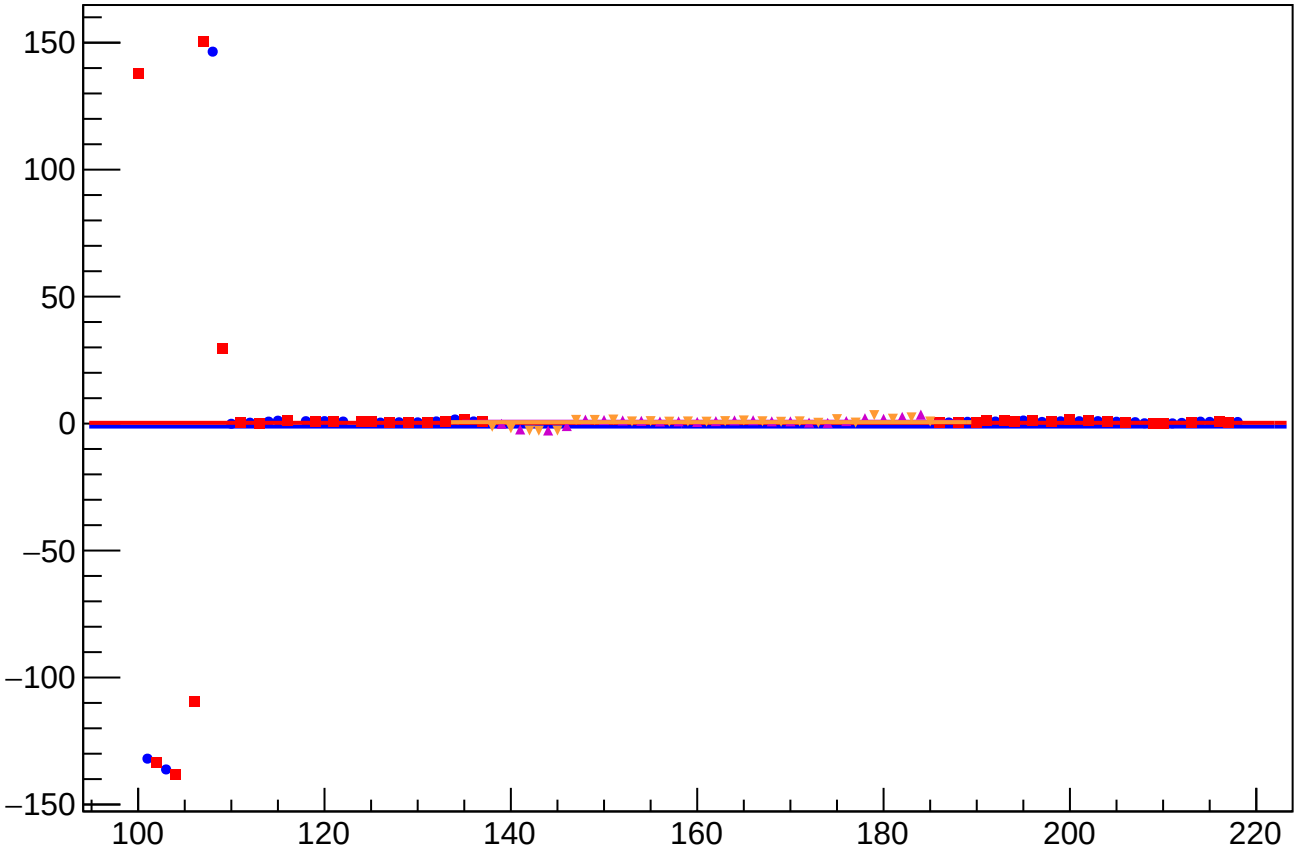
Left In: 0.688+/-0.000 χ^2/NDF:1107767.8/22

+ sign 0.003+/-0.000 χ^2/NDF: 64685647.8/56

All: 0.003+/-0.000 χ^2/NDF: 128634049.2/115

- sign 0.003+/-0.000 χ^2/NDF: 63947716.2/58

yield_cav4cX_mean vs Slug



Right In: -1.173+/-0.000 χ^2/NDF: 9912799531.4/31

Left Out: 0.575+/-0.000 χ^2/NDF:154364809.1/24

Right Out: 0.302+/-0.000 χ^2/NDF: 3613086805.8/35

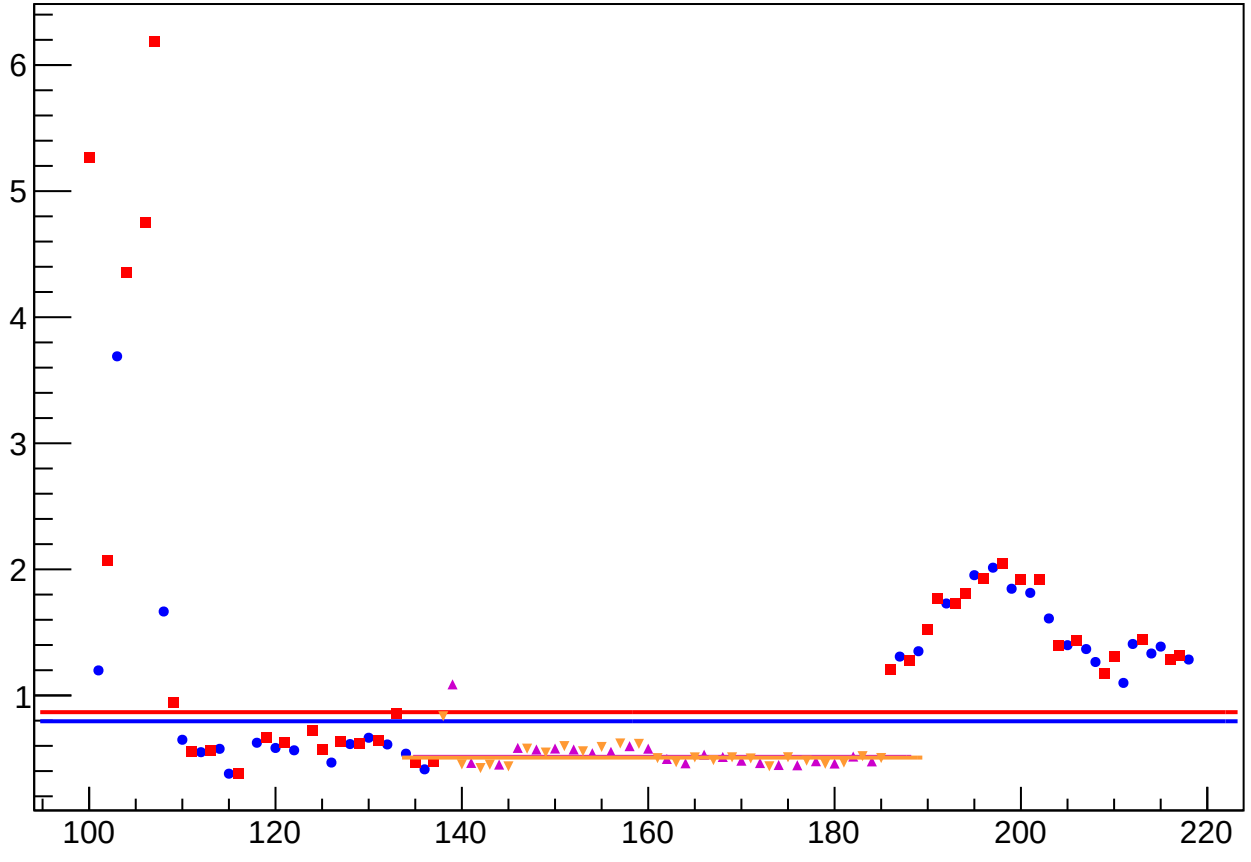
Left In: 0.732+/-0.000 χ^2/NDF:105135095.8/22

+ sign 0.110+/-0.000 χ^2/NDF: 10116574226.8/56

All: 0.354+/-0.000 χ^2/NDF: 13847781119.3/1

- sign 0.623+/-0.000 χ^2/NDF: 3720865788.5/58

yield_cav4cX_rms vs Slug



Right In: 0.795+/-0.000 χ^2/NDF: 8991739.2/31

Left Out: 0.507+/-0.000 χ^2/NDF:554639.8/24

Right Out: 0.867+/-0.000 χ^2/NDF: 9176553.5/35

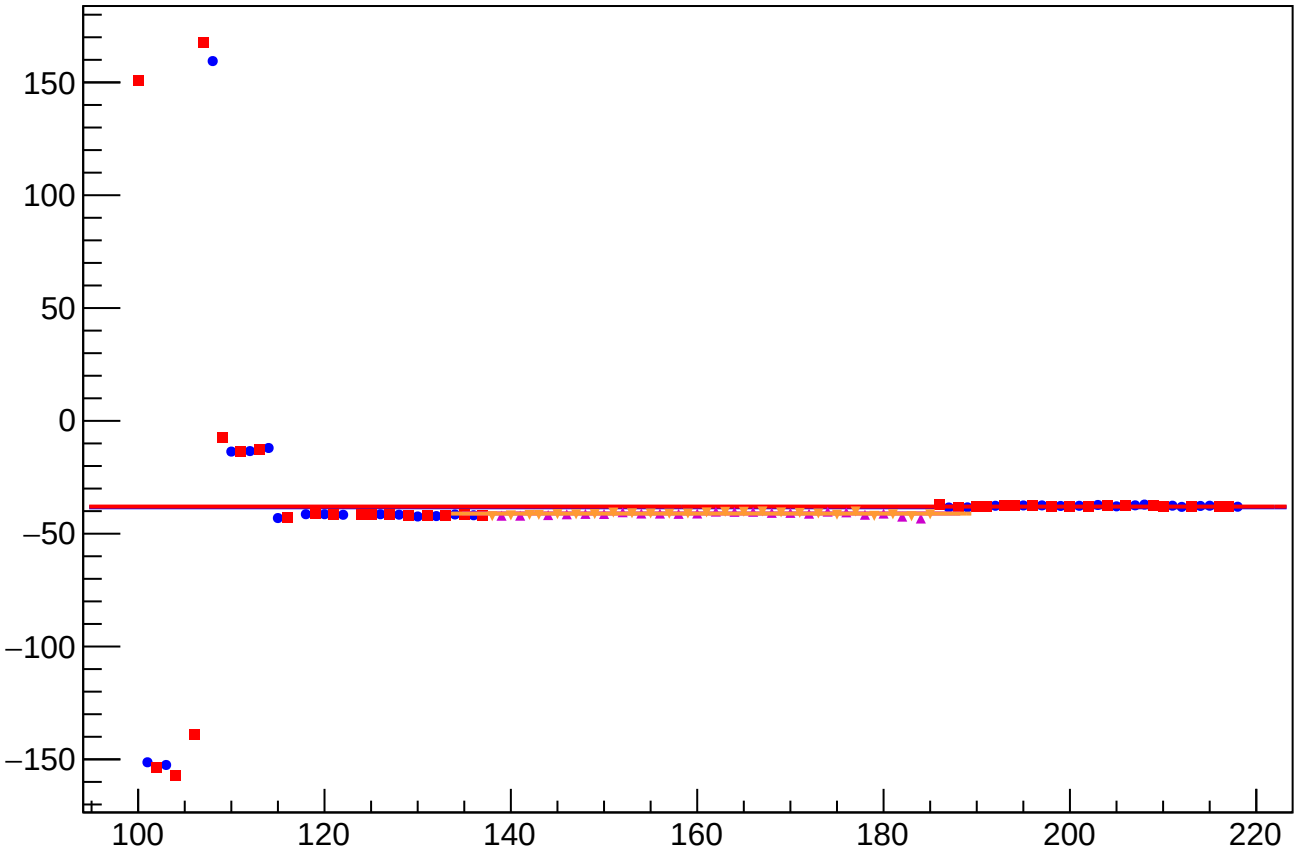
Left In: 0.513+/-0.000 χ^2/NDF:753419.6/22

+ sign 0.584+/-0.000 χ^2/NDF: 12230073.7/56

All: 0.593+/-0.000 χ^2/NDF: 25781004.1/115

- sign 0.603+/-0.000 χ^2/NDF: 13520554.7/58

yield_cav4cY_mean vs Slug



Right In: -38.295+/-0.000 χ^2/NDF: 3623534280.4/31

Left Out: -41.092+/-0.000 χ^2/NDF:60251030.2/24

Right Out: -37.983+/-0.000 χ^2/NDF: 2514567051.9/35

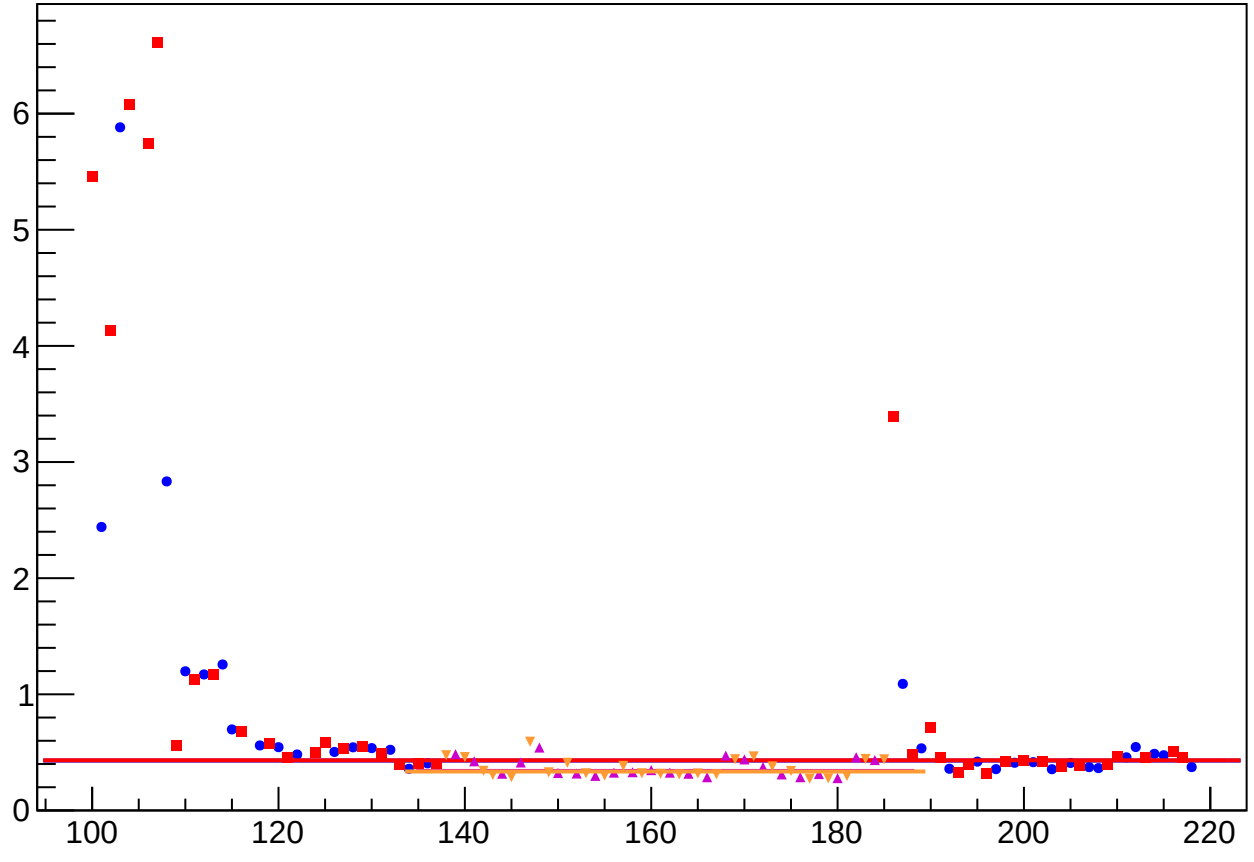
Left In: -41.029+/-0.000 χ^2/NDF:51382147.2/22

+ sign -40.072+/-0.000 χ^2/NDF: 4133014261.6/56

All: -39.973+/-0.000 χ^2/NDF: 7217337247.1/

- sign -39.868+/-0.000 χ^2/NDF: 3079295157.1/58

yield_cav4cY_rms vs Slug



Right In: 0.429+/-0.000 χ^2/NDF: 3894148.4/31

Left Out: 0.336+/-0.000 χ^2/NDF:1238006.0/24

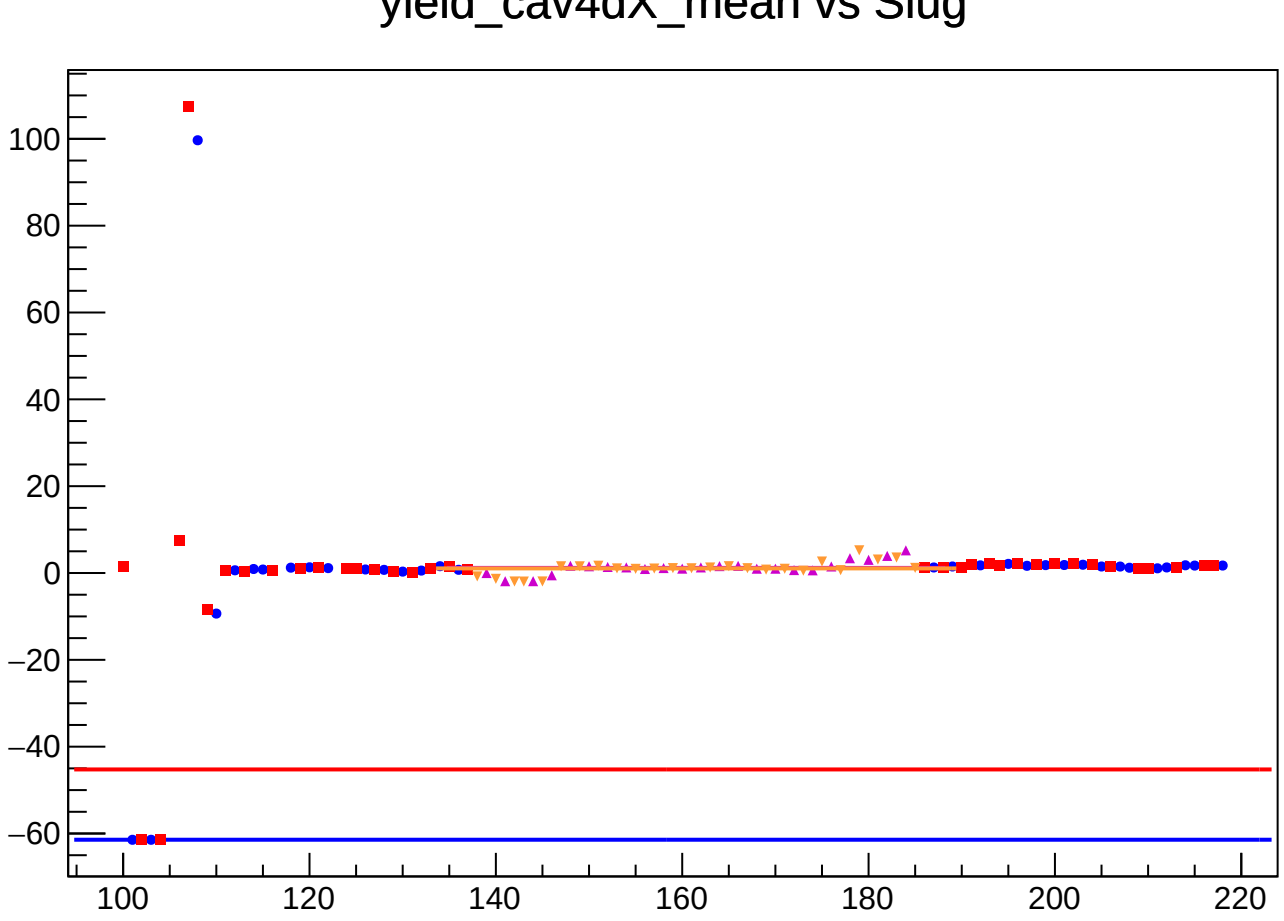
Right Out: 0.432+/-0.000 χ^2/NDF: 4743892.3/35

Left In: 0.340+/-0.000 χ^2/NDF:1065343.8/22

+ sign 0.370+/-0.000 χ^2/NDF: 6142963.0/56

All: 0.372+/-0.000 χ^2/NDF: 12888278.2/115

- sign 0.375+/-0.000 χ^2/NDF: 6738498.0/58



Right In: -61.435+/-0.000 χ^2/NDF: 305063041301.8/31

Left Out: 1.059+/-0.000 χ^2/NDF:253133917.4/24

Right Out: -45.244+/-0.000 χ^2/NDF: 357887459894557.4/35

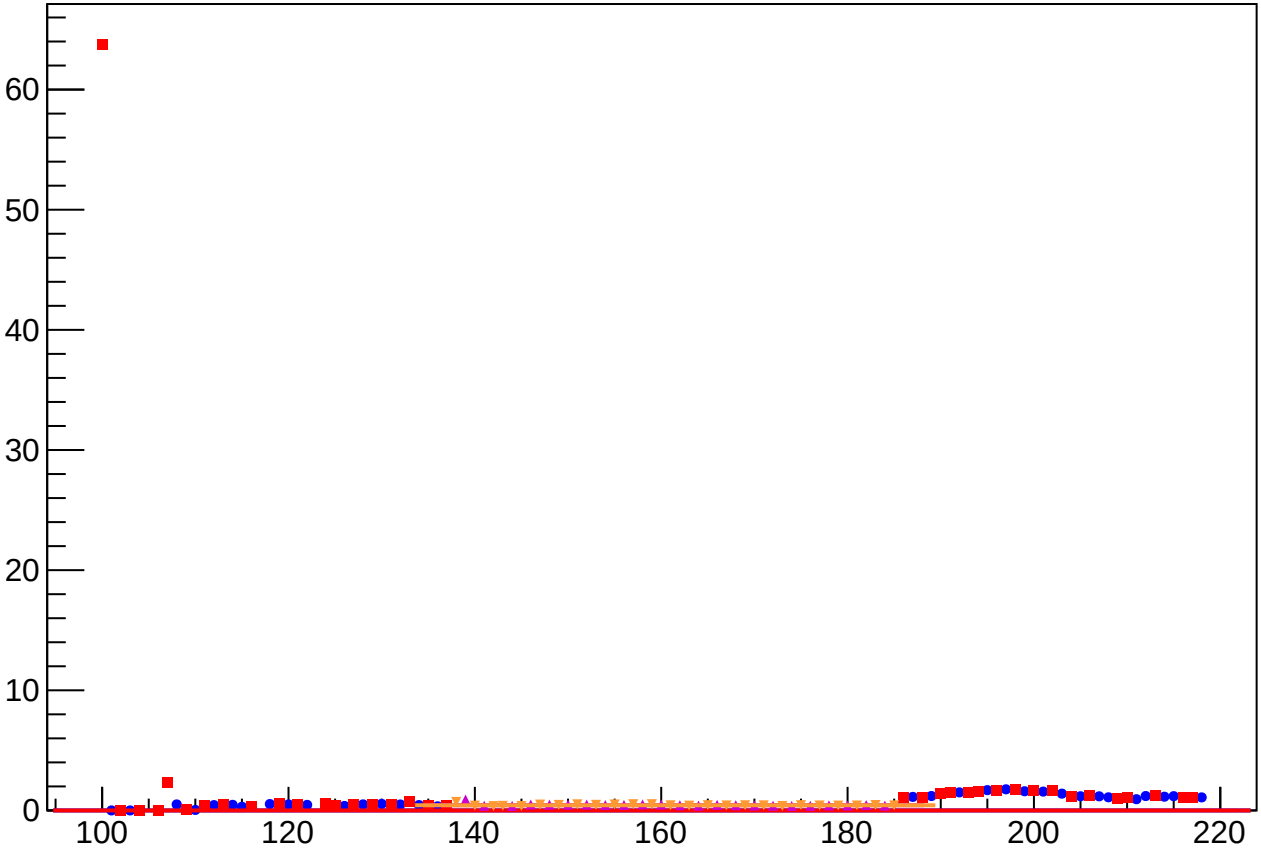
Left In: 1.175+/-0.000 χ^2/NDF:182397676.2/22

+ sign -61.420+/-0.000 χ^2/NDF: 635057103748.1/5

All: -52.737+/-0.000 χ^2/NDF: 409637840985

- sign -45.236+/-0.000 χ^2/NDF: 358054020564272.

yield_cav4dX_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 34208716.6/31

Left Out: 0.432+/-0.000 χ^2/NDF:527546.3/24

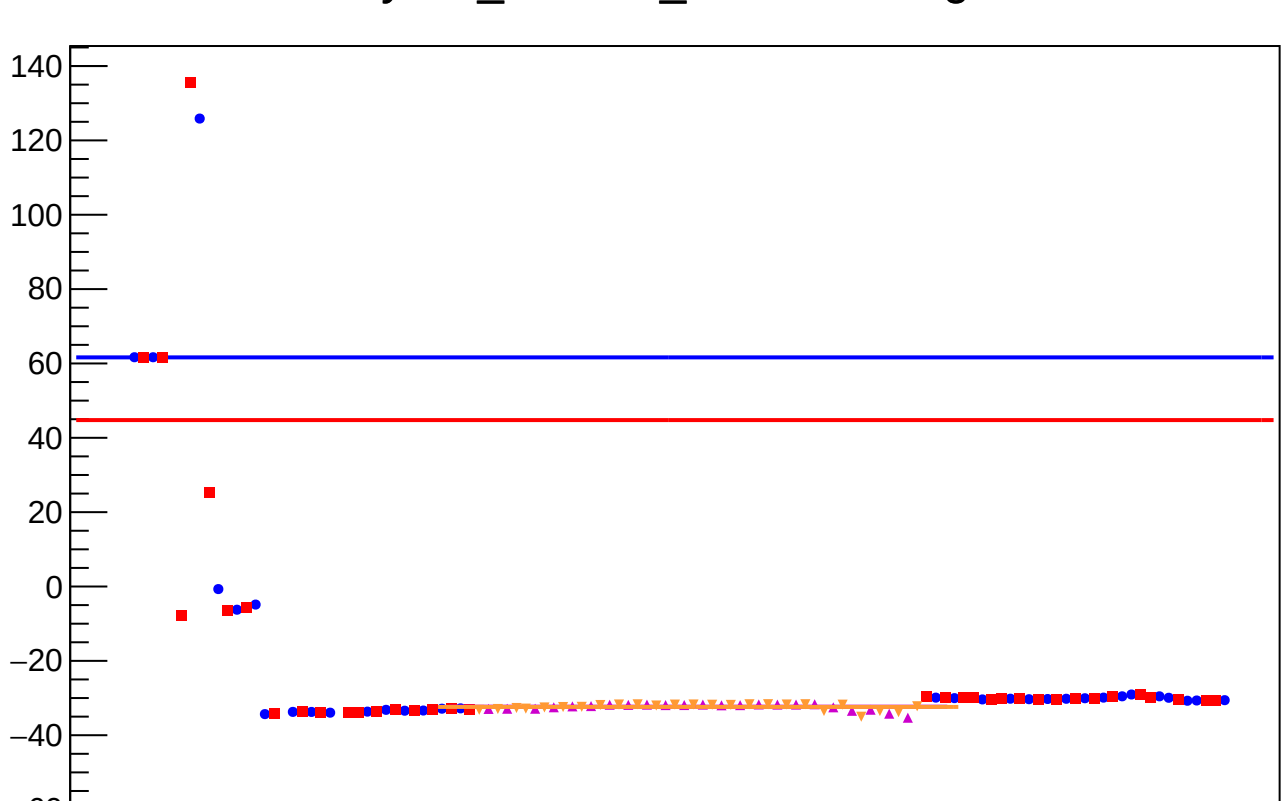
Right Out: 0.001+/-0.000 χ^2/NDF: 34890665.6/35

Left In: 0.438+/-0.000 χ^2/NDF:698702.2/22

+ sign 0.002+/-0.000 χ^2/NDF: 65970537.1/56

All: 0.002+/-0.000 χ^2/NDF: 131001644.6/115

- sign 0.002+/-0.000 χ^2/NDF: 65030846.0/58



Right In: 61.634+/-0.000 χ^2/NDF: 1243436501806.2/31

Left Out: -32.386+/-0.000 χ^2/NDF:172024234.9/24

Right Out: 44.766+/-0.000 χ^2/NDF: 366649164501533.1/35

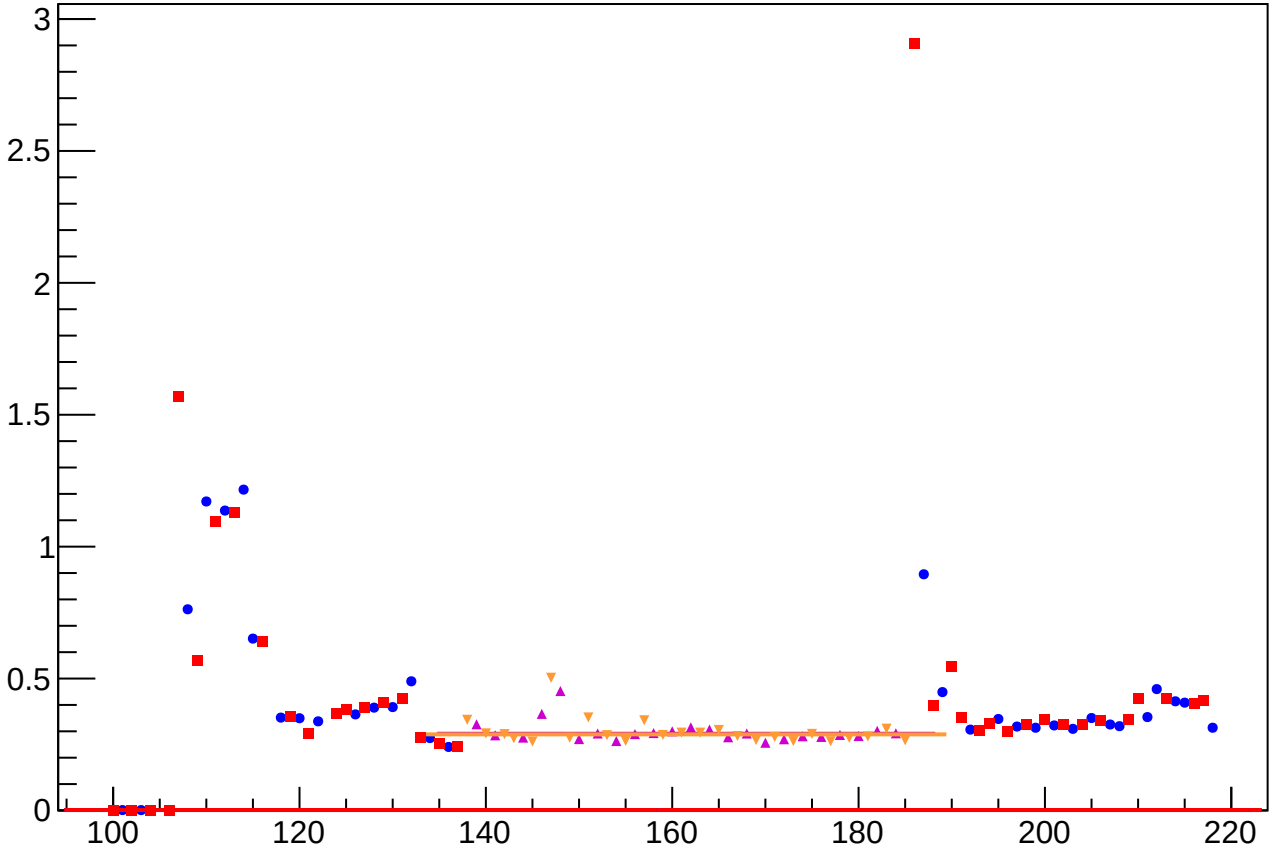
Left In: -32.325+/-0.000 χ^2/NDF:118654391.5/22

+ sign 61.572+/-0.000 χ^2/NDF: 3200394880122.7/5

All: 52.615+/-0.000 χ^2/NDF: 422050072469

- sign 44.725+/-0.000 χ^2/NDF: 367876365716608.1

yield_cav4dY_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 35526118.4/31

Left Out: 0.288+/-0.000 χ^2/NDF:522979.2/24

Right Out: 0.002+/-0.000 χ^2/NDF: 35740436.4/35

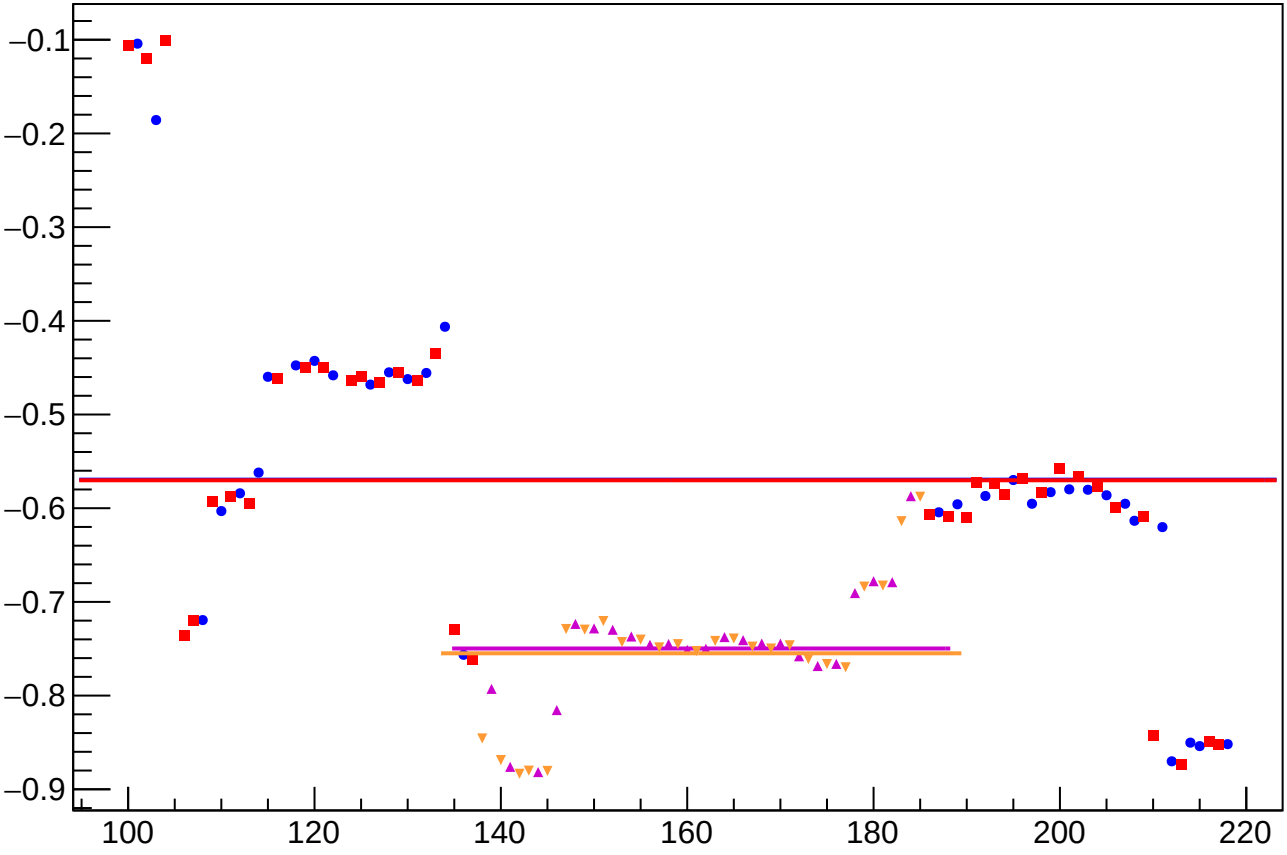
Left In: 0.291+/-0.000 χ^2/NDF:387524.5/22

+ sign 0.002+/-0.000 χ^2/NDF: 72462912.0/56

All: 0.002+/-0.000 χ^2/NDF: 143090463.0/115

- sign 0.002+/-0.000 χ^2/NDF: 70627273.2/58

yield_bpm4aX_mean vs Slug



Right In: -0.570+/-0.000 χ^2/NDF: 413190957.7/31

Left Out: -0.755+/-0.000 χ^2/NDF:212643091.8/24

Right Out: -0.570+/-0.000 χ^2/NDF: 322702971.0/35

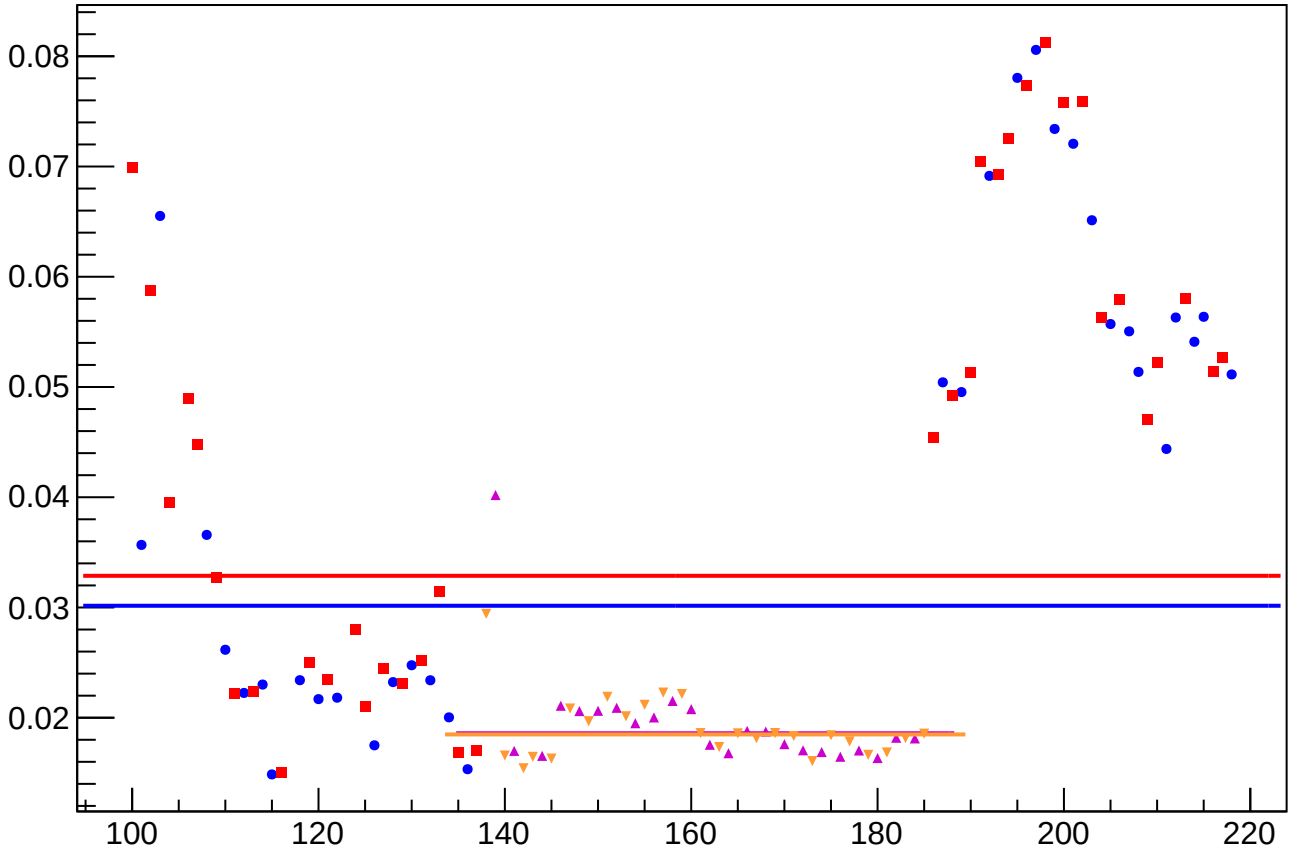
Left In: -0.750+/-0.000 χ^2/NDF:140839352.1/22

+ sign -0.708+/-0.000 χ^2/NDF: 1019801757.6/56

All: -0.707+/-0.000 χ^2/NDF: 1817098698.6/1

- sign -0.706+/-0.000 χ^2/NDF: 797127230.7/58

yield_bpm4aX_rms vs Slug



Right In: 0.030+/-0.000 χ^2/NDF: 9153652.1/31

Left Out: 0.018+/-0.000 χ^2/NDF:491665.0/24

Right Out: 0.033+/-0.000 χ^2/NDF: 8456541.5/35

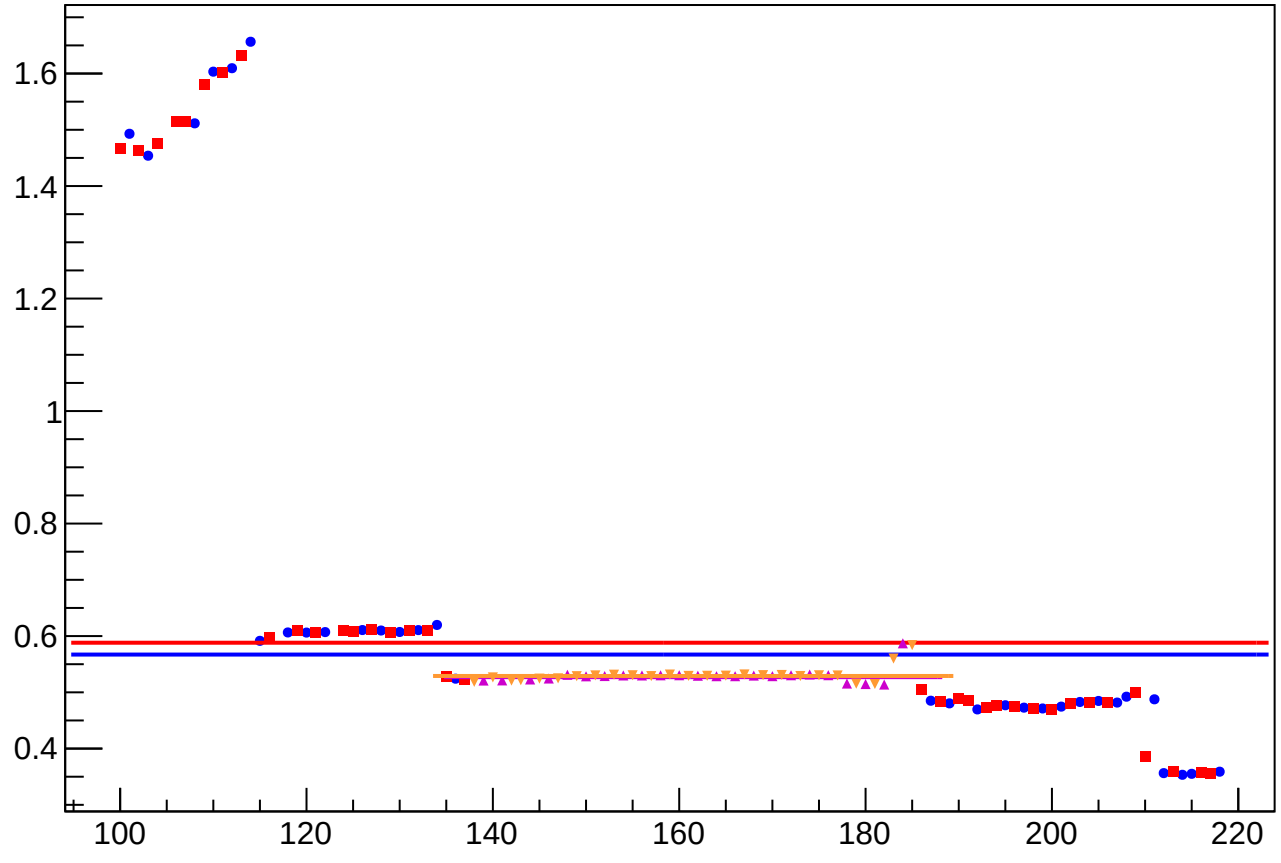
Left In: 0.019+/-0.000 χ^2/NDF:739183.3/22

+ sign 0.021+/-0.000 χ^2/NDF: 12769950.7/56

All: 0.022+/-0.000 χ^2/NDF: 26211235.4/115

- sign 0.022+/-0.000 χ^2/NDF: 13415721.1/58

yield_bpm4aY_mean vs Slug



Right In: 0.567+/-0.000 χ^2/NDF: 6300901932.0/31

Left Out: 0.529+/-0.000 χ^2/NDF:16236836.5/24

Right Out: 0.588+/-0.000 χ^2/NDF: 7199080087.7/35

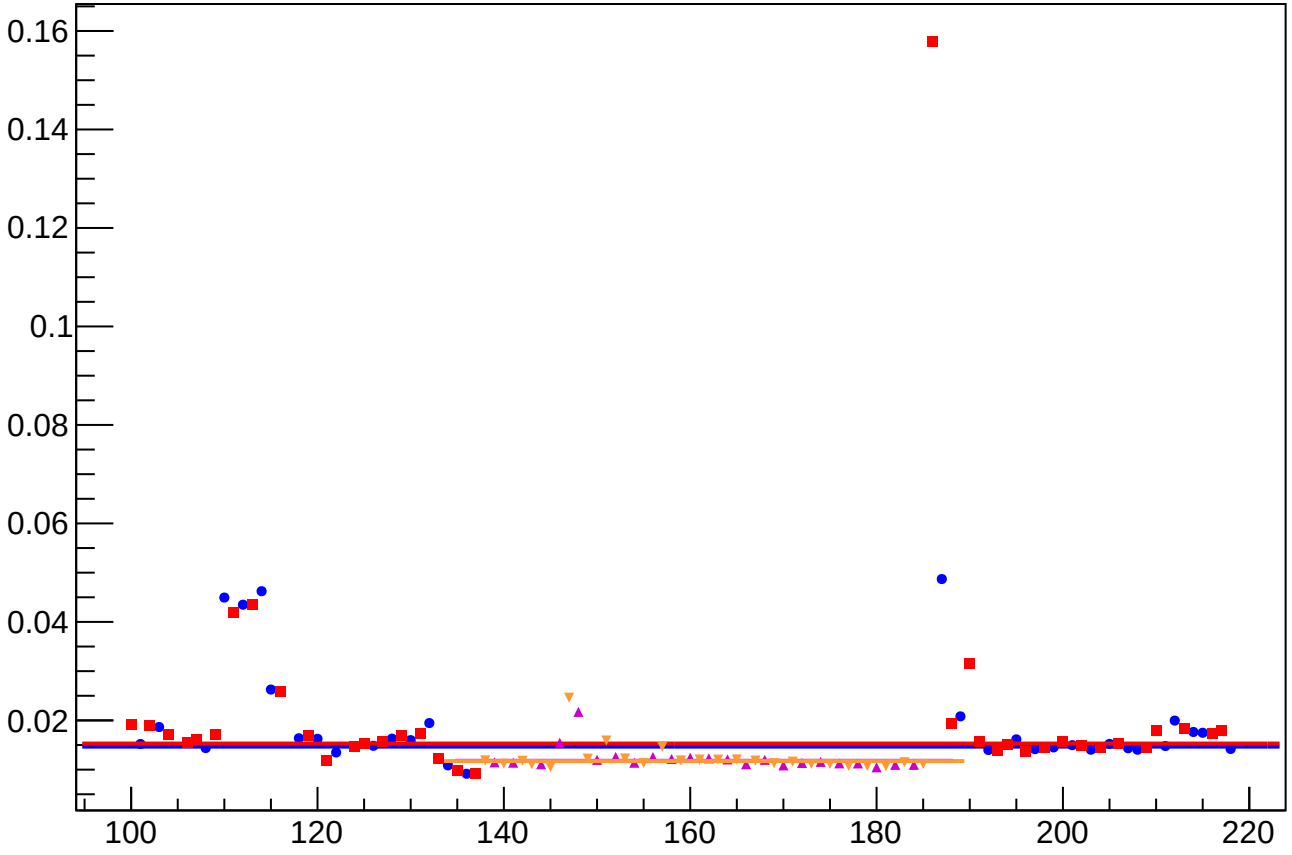
Left In: 0.527+/-0.000 χ^2/NDF:13035326.4/22

+ sign 0.544+/-0.000 χ^2/NDF: 6391911522.8/56

All: 0.547+/-0.000 χ^2/NDF: 13790283874.0/1

- sign 0.550+/-0.000 χ^2/NDF: 7393524933.8/58

yield_bpm4aY_rms vs Slug



Right In: 0.015+/-0.000 χ^2/NDF: 2198948.8/31

Left Out: 0.012+/-0.000 χ^2/NDF:699878.1/24

Right Out: 0.015+/-0.000 χ^2/NDF: 2548919.8/35

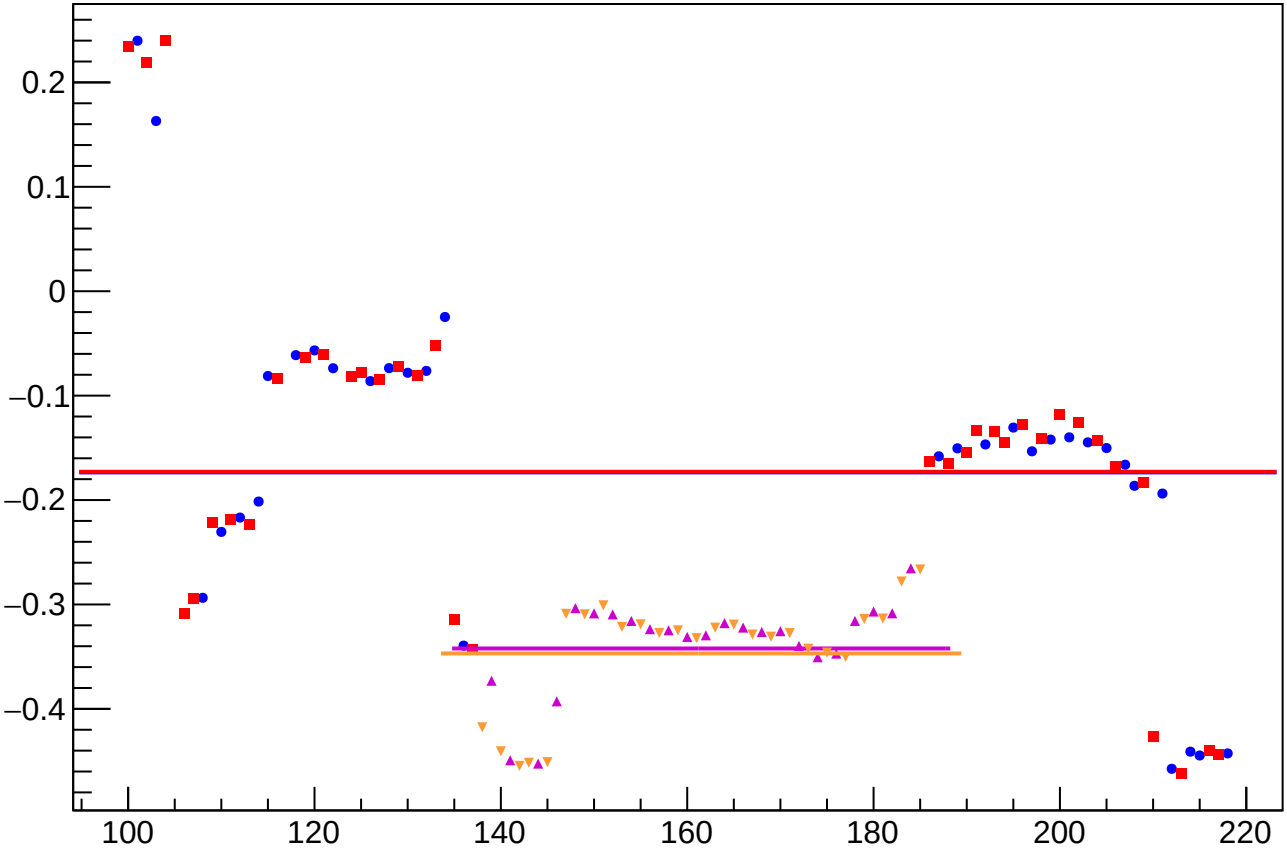
Left In: 0.012+/-0.000 χ^2/NDF:519826.8/22

+ sign 0.013+/-0.000 χ^2/NDF: 3794774.0/56

All: 0.013+/-0.000 χ^2/NDF: 8072035.1/115

- sign 0.013+/-0.000 χ^2/NDF: 4261703.4/58

yield_bpm4eX_mean vs Slug



Right In: -0.174+/-0.000 χ^2/NDF: 385865493.4/31

Left Out: -0.347+/-0.000 χ^2/NDF:125890246.2/24

Right Out: -0.173+/-0.000 χ^2/NDF: 305056698.3/35

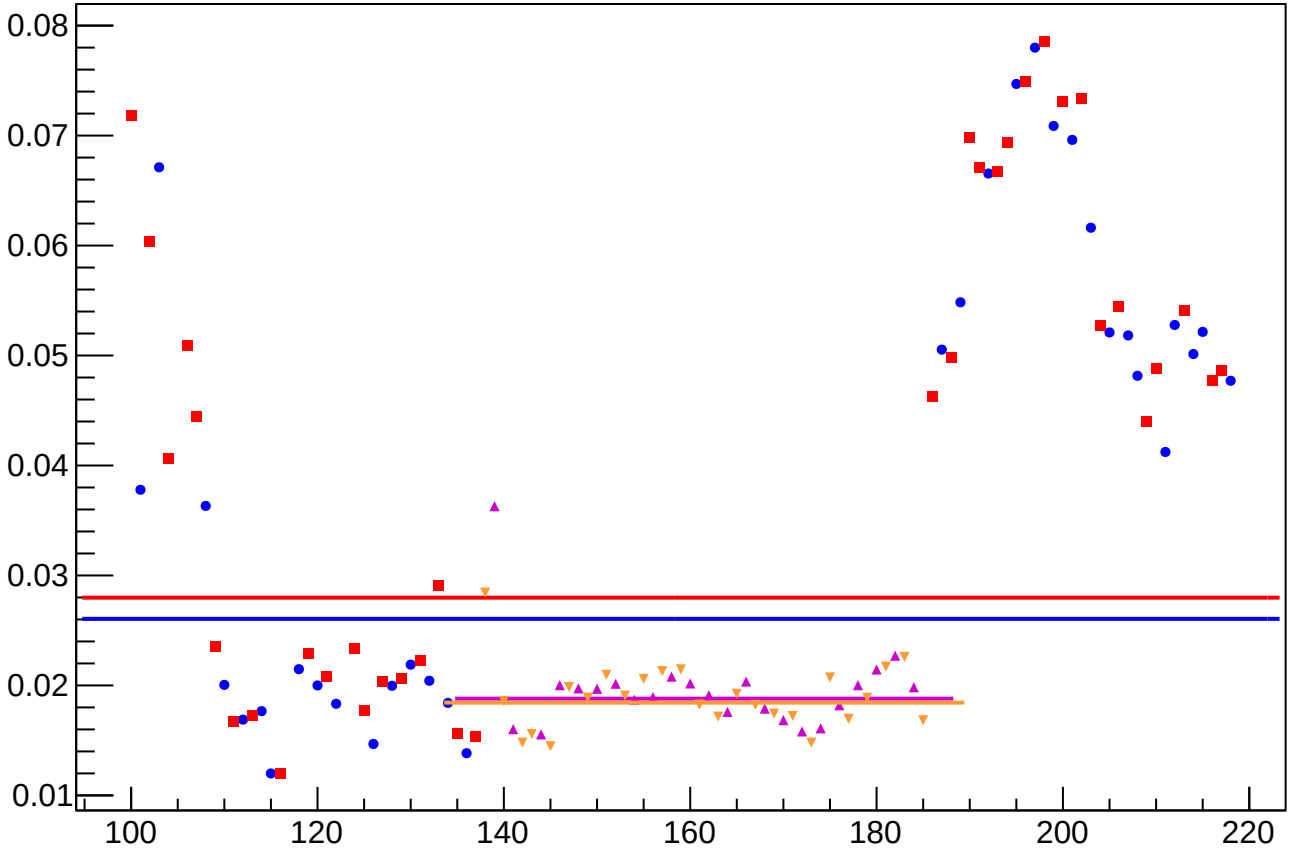
Left In: -0.342+/-0.000 χ^2/NDF:88220744.3/22

+ sign -0.296+/-0.000 χ^2/NDF: 925182304.4/56

All: -0.294+/-0.000 χ^2/NDF: 1676762070.0/1

- sign -0.292+/-0.000 χ^2/NDF: 751205940.1/58

yield_bpm4eX_rms vs Slug



Right In: 0.026+/-0.000 χ^2/NDF: 10547032.7/31

Left Out: 0.018+/-0.000 χ^2/NDF:640029.5/24

Right Out: 0.028+/-0.000 χ^2/NDF: 10303648.1/35

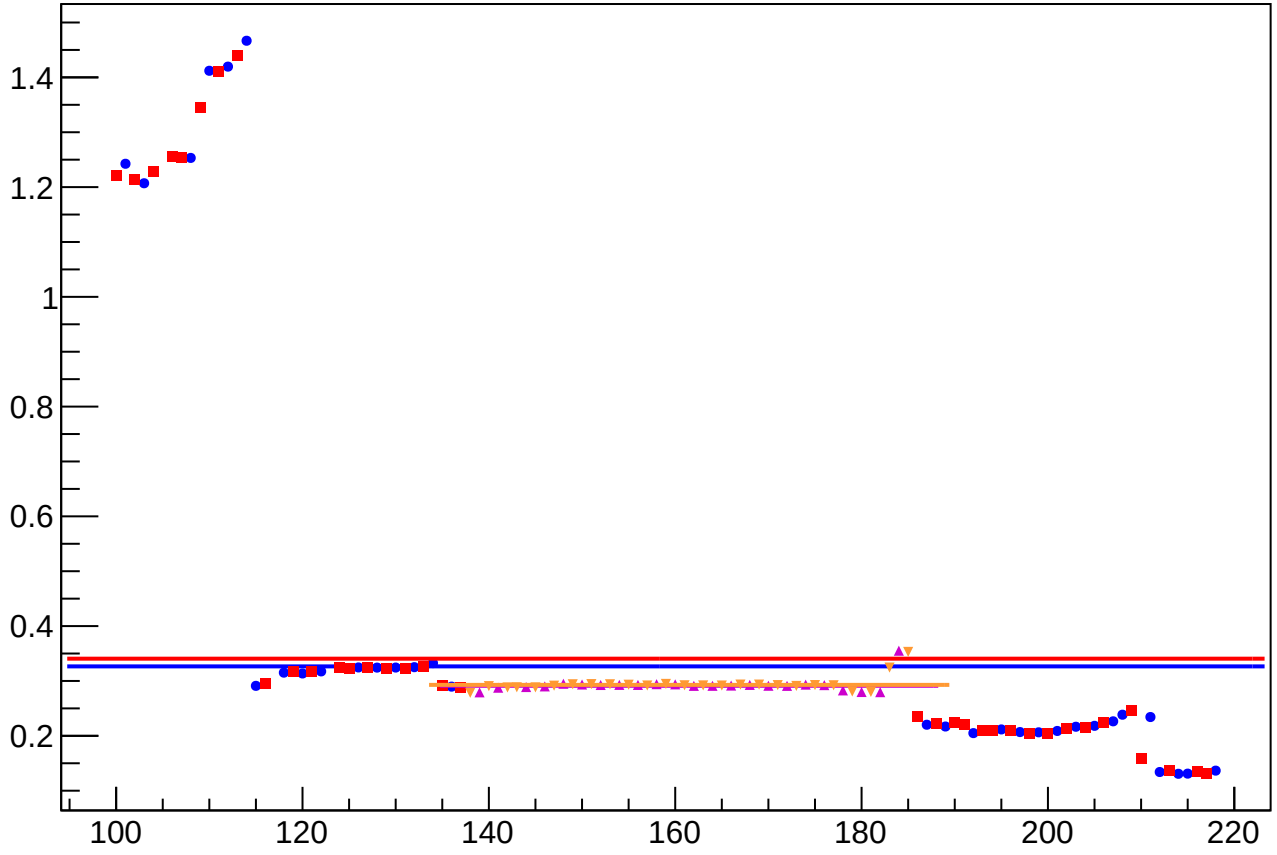
Left In: 0.019+/-0.000 χ^2/NDF:718726.0/22

+ sign 0.021+/-0.000 χ^2/NDF: 12783927.4/56

All: 0.021+/-0.000 χ^2/NDF: 25956919.6/115

- sign 0.021+/-0.000 χ^2/NDF: 13130687.9/58

yield_bpm4eY_mean vs Slug



Right In: 0.327+/-0.000 χ^2/NDF: 8955419368.5/31

Left Out: 0.293+/-0.000 χ^2/NDF:17281571.0/24

Right Out: 0.341+/-0.000 χ^2/NDF: 9811949781.6/35

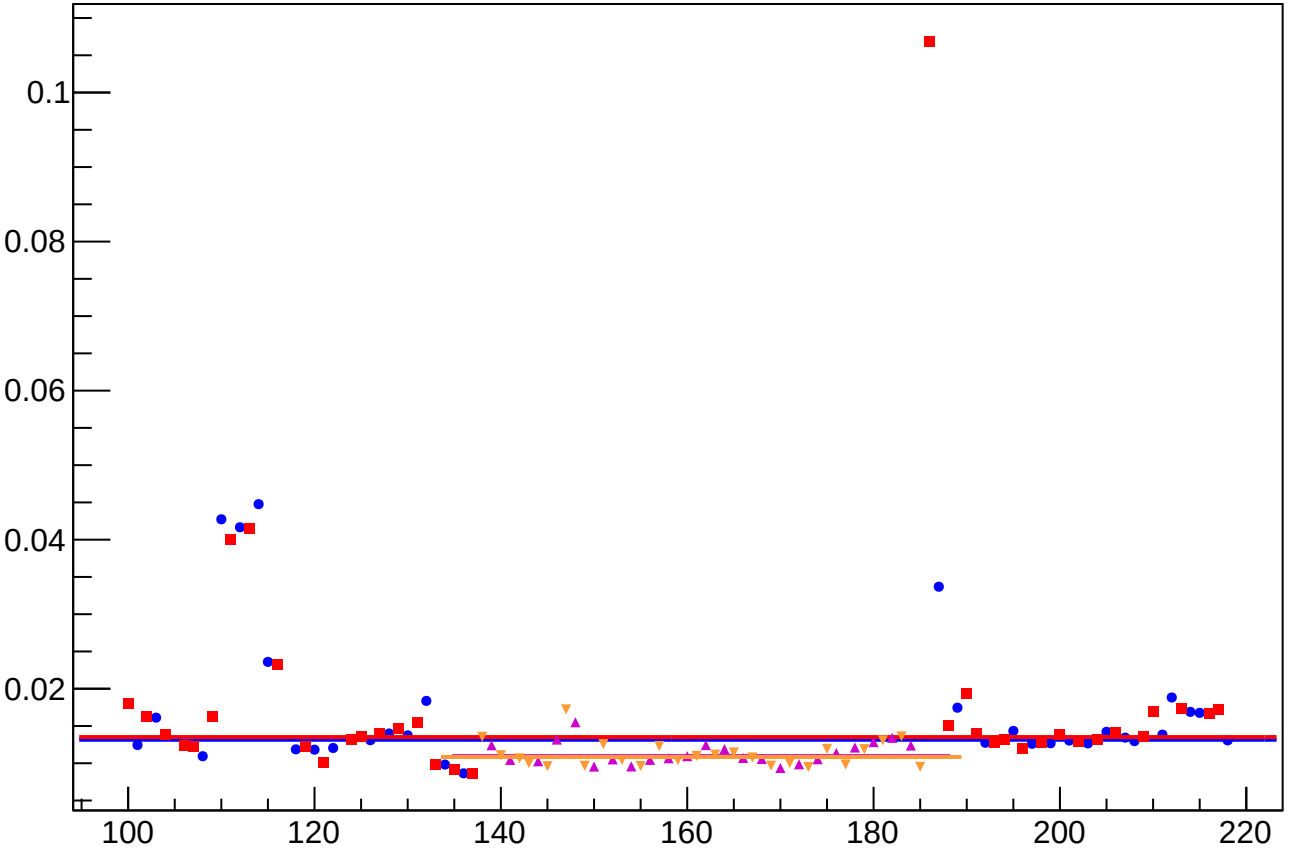
Left In: 0.291+/-0.000 χ^2/NDF:10282762.1/22

+ sign 0.306+/-0.000 χ^2/NDF: 9043598900.9/56

All: 0.309+/-0.000 χ^2/NDF: 19013534857.7/1

- sign 0.311+/-0.000 χ^2/NDF: 9966739347.9/58

yield_bpm4eY_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF: 2144867.9/31

Left Out: 0.011+/-0.000 χ^2/NDF:654475.7/24

Right Out: 0.014+/-0.000 χ^2/NDF: 2503028.9/35

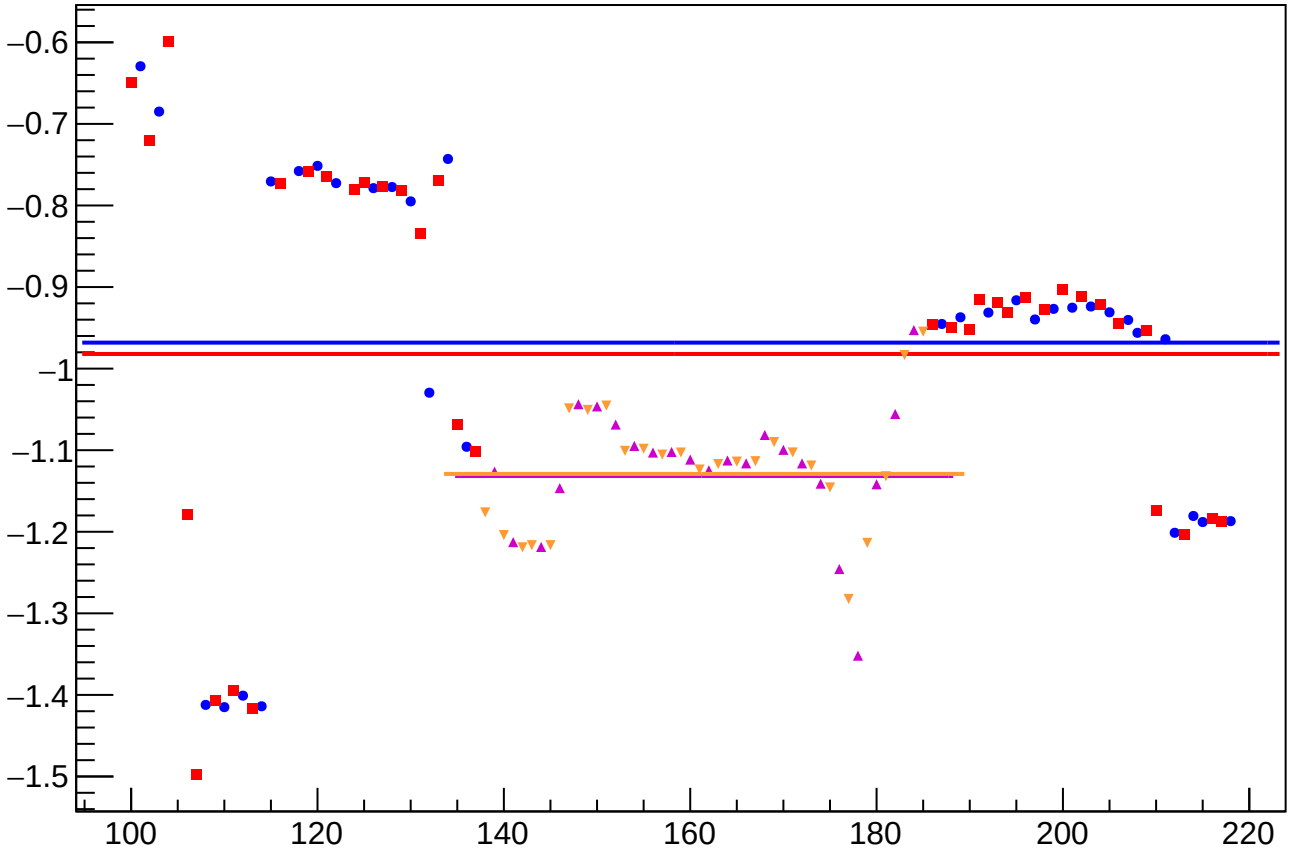
Left In: 0.011+/-0.000 χ^2/NDF:512130.1/22

+ sign 0.012+/-0.000 χ^2/NDF: 3463830.9/56

All: 0.012+/-0.000 χ^2/NDF: 7267153.5/115

- sign 0.012+/-0.000 χ^2/NDF: 3789608.4/58

yield_bpm4acX_mean vs Slug



Right In: -0.968+/-0.000 χ^2/NDF: 765171661.8/31

Left Out: -1.129+/-0.000 χ^2/NDF:238152679.4/24

Right Out: -0.982+/-0.000 χ^2/NDF: 773320600.8/35

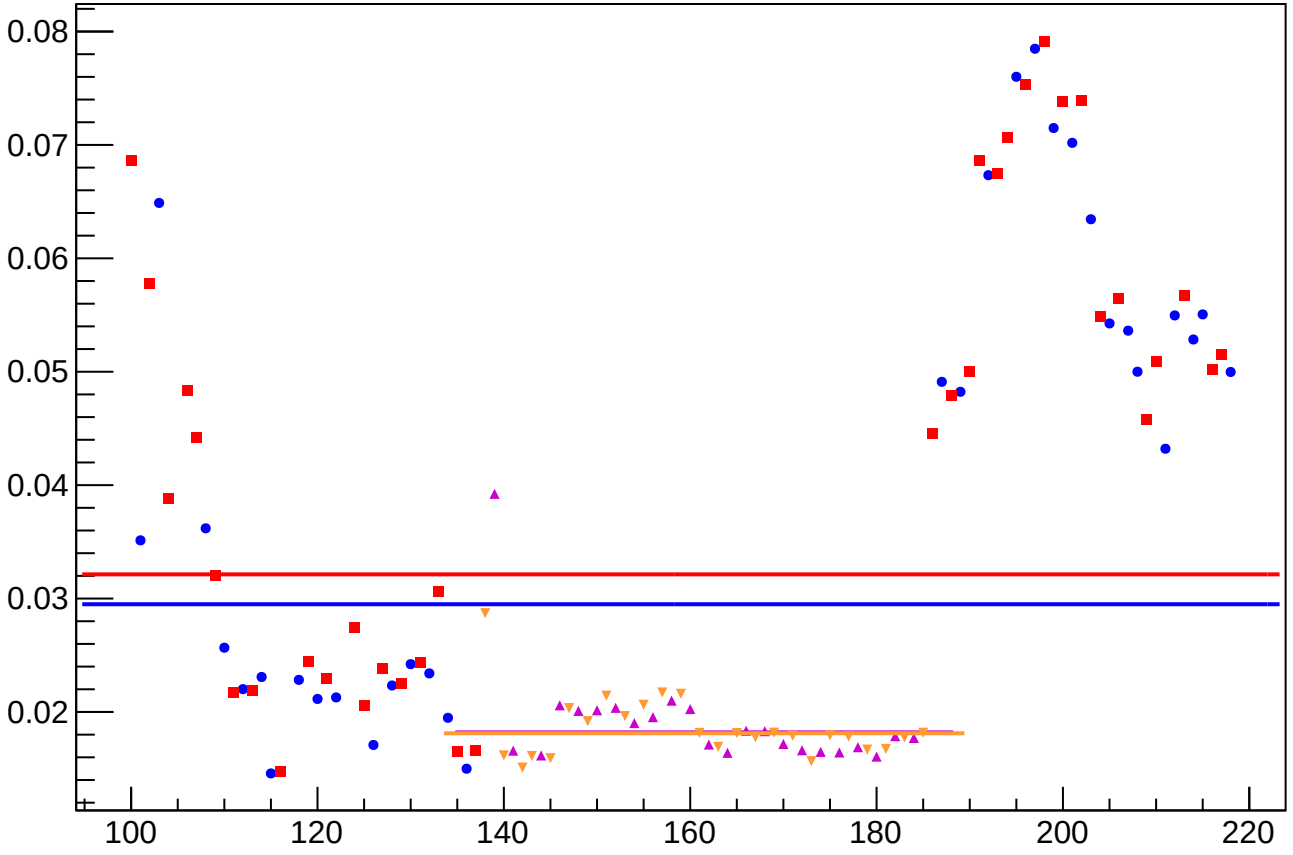
Left In: -1.132+/-0.000 χ^2/NDF:260075820.5/22

+ sign -1.089+/-0.000 χ^2/NDF: 1313759395.6/56

All: -1.092+/-0.000 χ^2/NDF: 2590779467.9/1

- sign -1.095+/-0.000 χ^2/NDF: 1275695018.2/58

yield_bpm4acX_rms vs Slug



Right In: 0.029+/-0.000 χ^2/NDF: 9123096.4/31

Left Out: 0.018+/-0.000 χ^2/NDF:474004.4/24

Right Out: 0.032+/-0.000 χ^2/NDF: 8427727.0/35

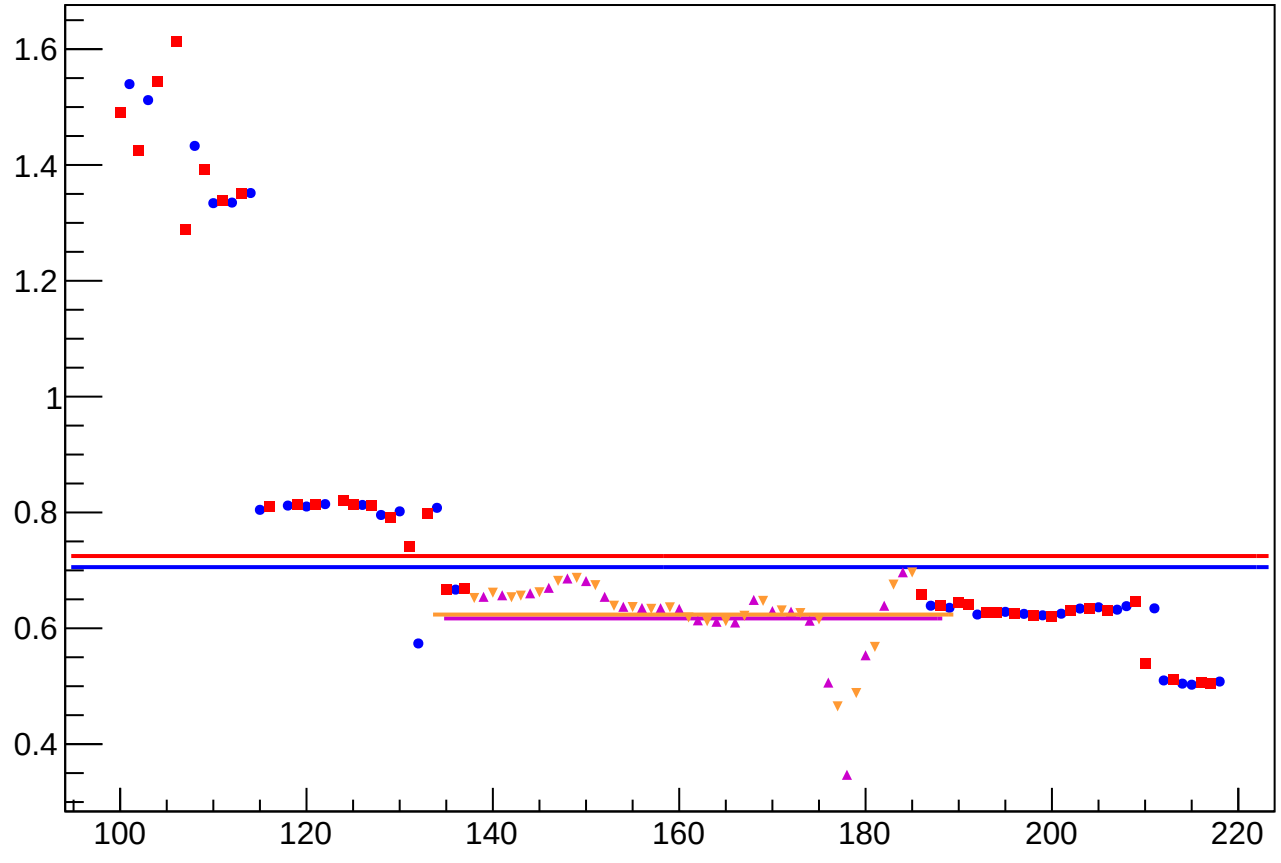
Left In: 0.018+/-0.000 χ^2/NDF:723957.3/22

+ sign 0.021+/-0.000 χ^2/NDF: 12700060.5/56

All: 0.021+/-0.000 χ^2/NDF: 26077309.2/115

- sign 0.022+/-0.000 χ^2/NDF: 13354180.2/58

yield_bpm4acY_mean vs Slug



Right In: 0.706+/-0.000 χ^2/NDF: 4447636704.0/31

Left Out: 0.624+/-0.000 χ^2/NDF:400613435.2/24

Right Out: 0.725+/-0.000 χ^2/NDF: 4747380286.7/35

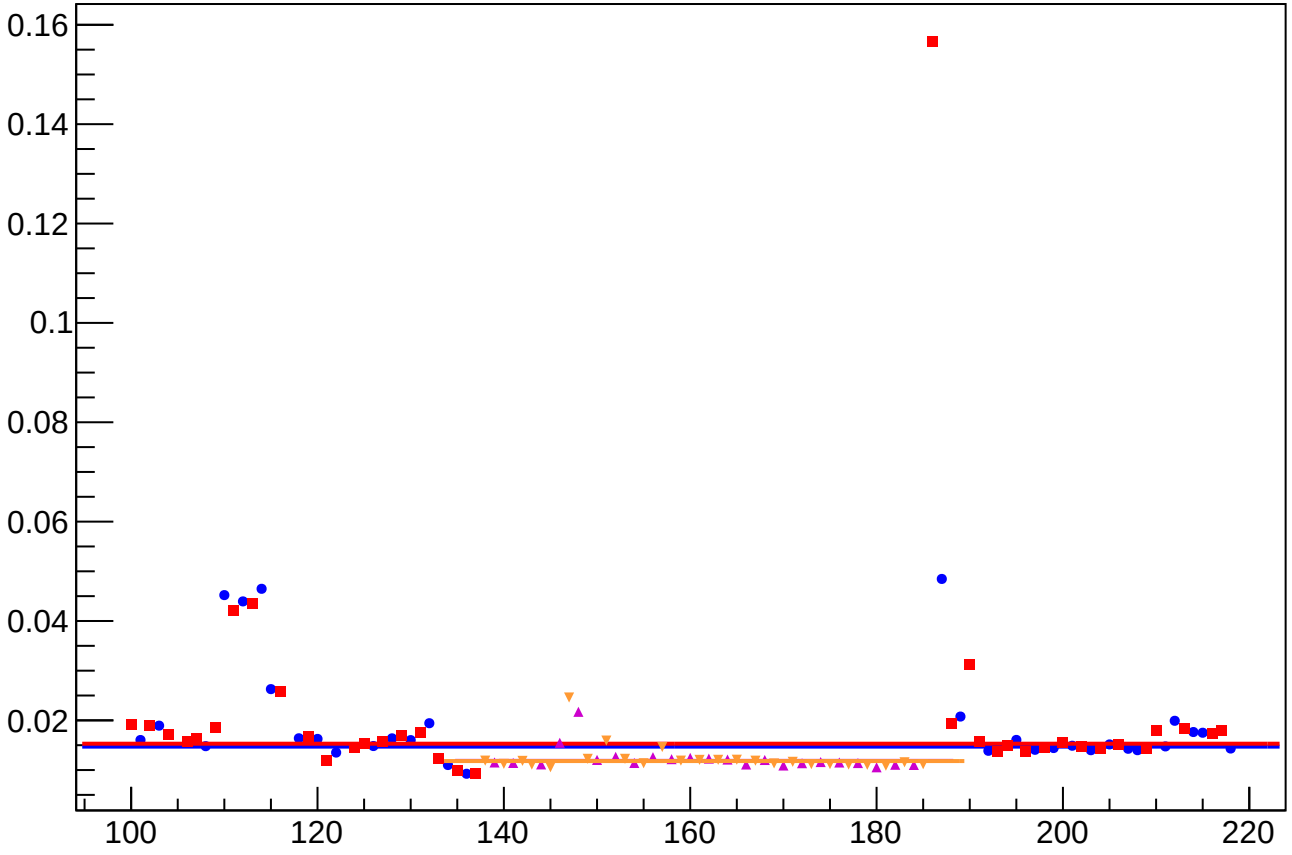
Left In: 0.617+/-0.000 χ^2/NDF:646297442.3/22

+ sign 0.655+/-0.000 χ^2/NDF: 5191248828.0/56

All: 0.657+/-0.000 χ^2/NDF: 11145274533.0/1

- sign 0.659+/-0.000 χ^2/NDF: 5952927705.8/58

yield_bpm4acY_rms vs Slug



Right In: 0.015+/-0.000 χ^2/NDF: 2176745.0/31

Left Out: 0.012+/-0.000 χ^2/NDF:673680.7/24

Right Out: 0.015+/-0.000 χ^2/NDF: 2554518.6/35

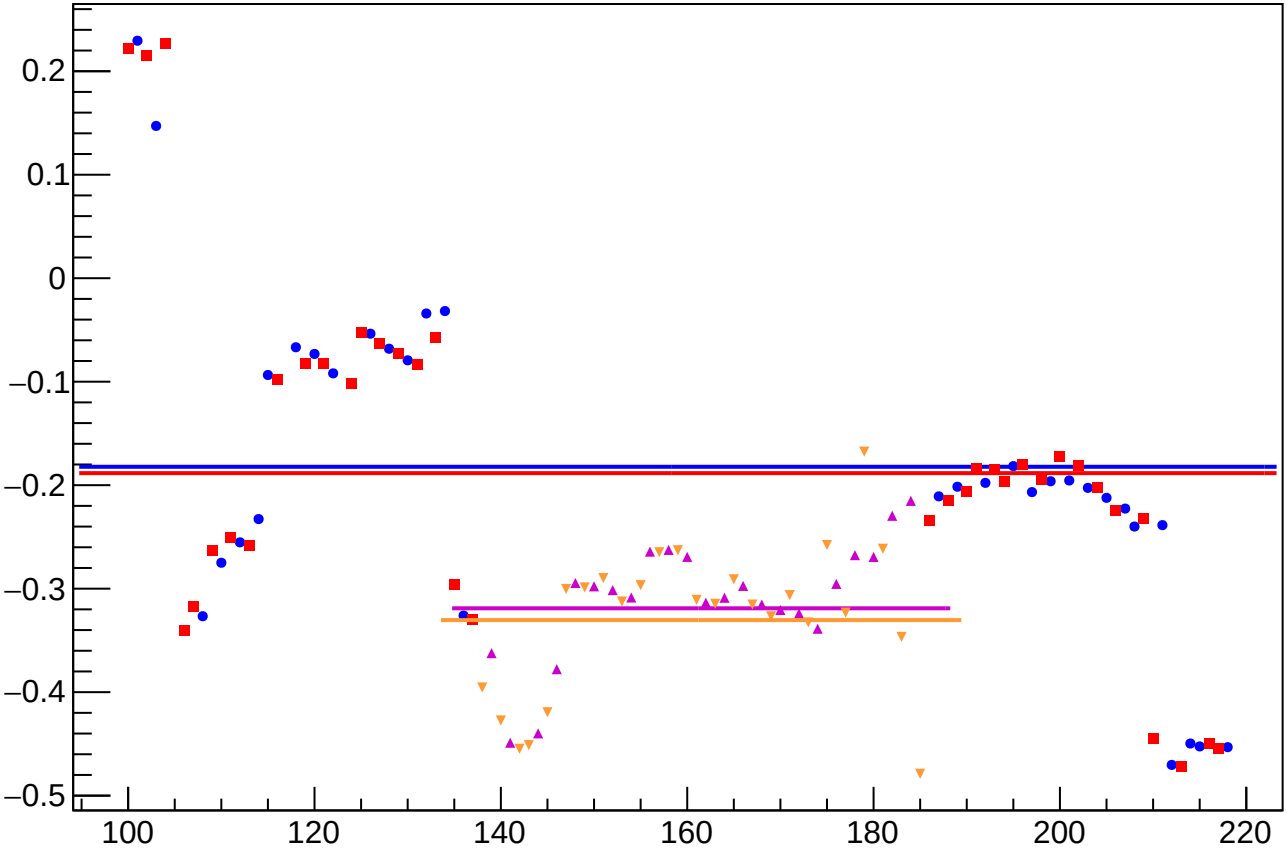
Left In: 0.012+/-0.000 χ^2/NDF:508762.0/22

+ sign 0.013+/-0.000 χ^2/NDF: 3715663.2/56

All: 0.013+/-0.000 χ^2/NDF: 7943262.9/115

- sign 0.013+/-0.000 χ^2/NDF: 4214709.4/58

yield_bpm4ecX_mean vs Slug



Right In: -0.182+/-0.000 χ^2/NDF: 389718628.1/31

Left Out: -0.330+/-0.000 χ^2/NDF:182729419.2/24

Right Out: -0.188+/-0.000 χ^2/NDF: 301120390.3/35

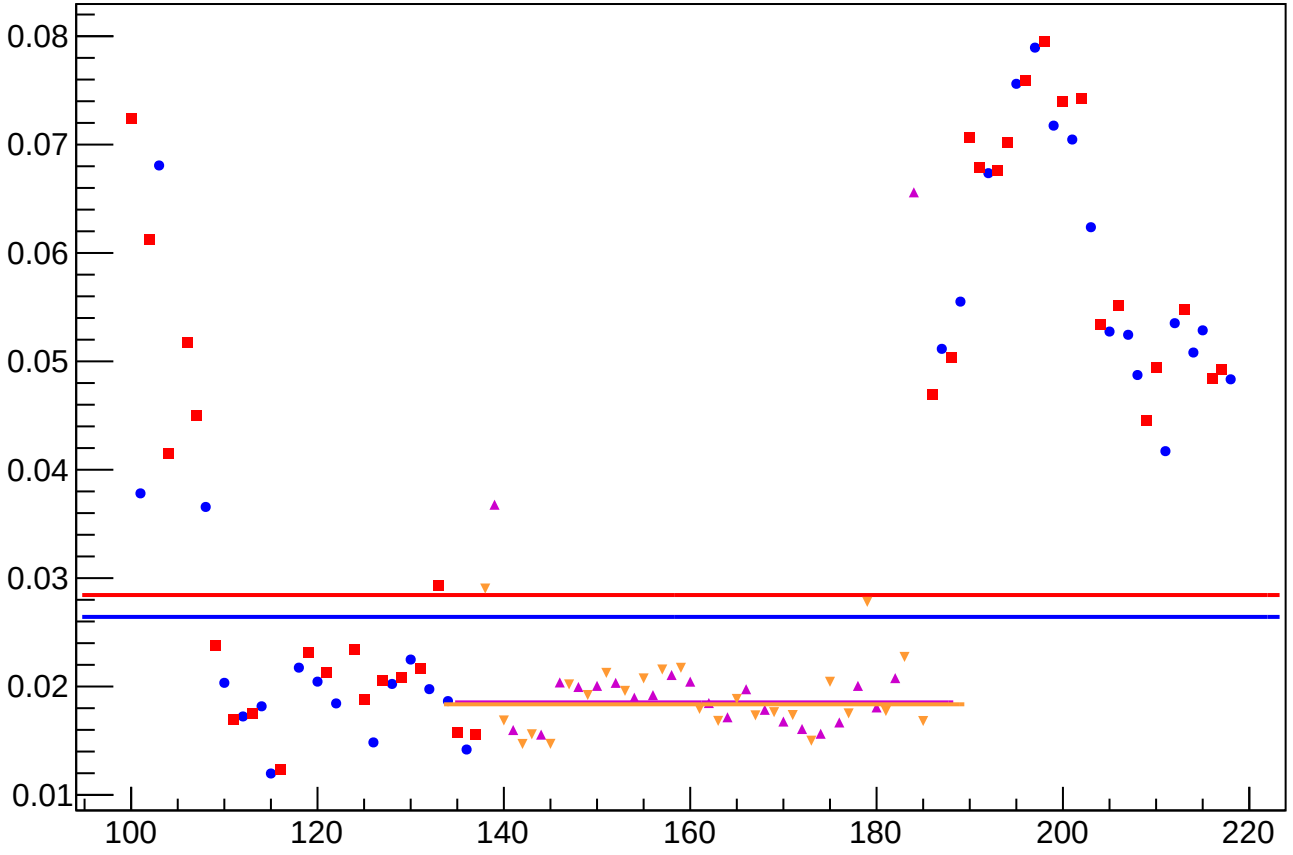
Left In: -0.319+/-0.000 χ^2/NDF:130589173.8/22

+ sign -0.287+/-0.000 χ^2/NDF: 866669658.5/56

All: -0.284+/-0.000 χ^2/NDF: 1507810677.3/1

- sign -0.281+/-0.000 χ^2/NDF: 640191153.1/58

yield_bpm4ecX_rms vs Slug



Right In: 0.026+/-0.000 χ^2/NDF: 10505119.5/31

Left Out: 0.018+/-0.000 χ^2/NDF:737503.8/24

Right Out: 0.028+/-0.000 χ^2/NDF: 10239571.4/35

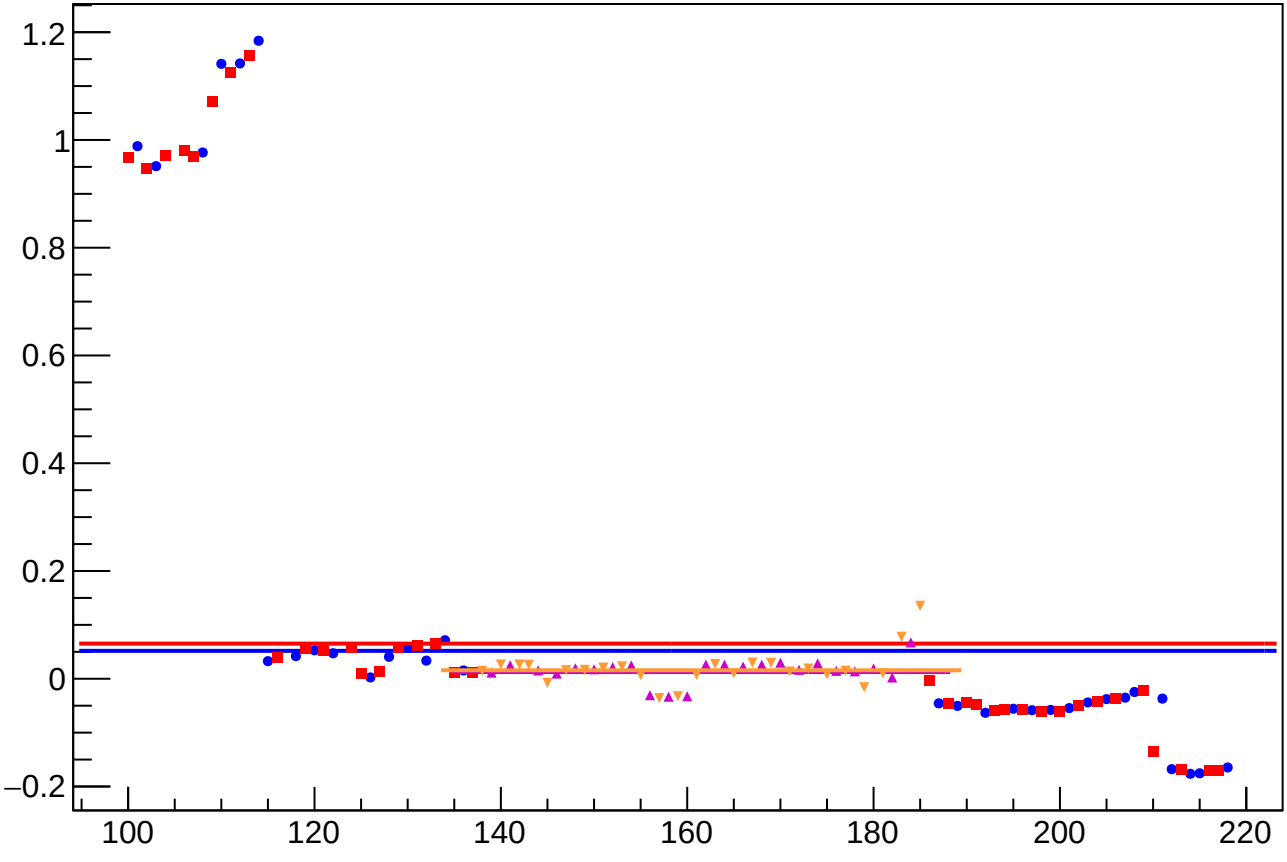
Left In: 0.019+/-0.000 χ^2/NDF:933807.9/22

+ sign 0.021+/-0.000 χ^2/NDF: 12986052.8/56

All: 0.021+/-0.000 χ^2/NDF: 26583507.9/115

- sign 0.021+/-0.000 χ^2/NDF: 13570028.0/58

yield_bpm4ecY_mean vs Slug



Right In: 0.052+/-0.000 χ^2/NDF: 9208373974.7/31

Left Out: 0.016+/-0.000 χ^2/NDF:104485335.8/24

Right Out: 0.065+/-0.000 χ^2/NDF: 9844202325.5/35

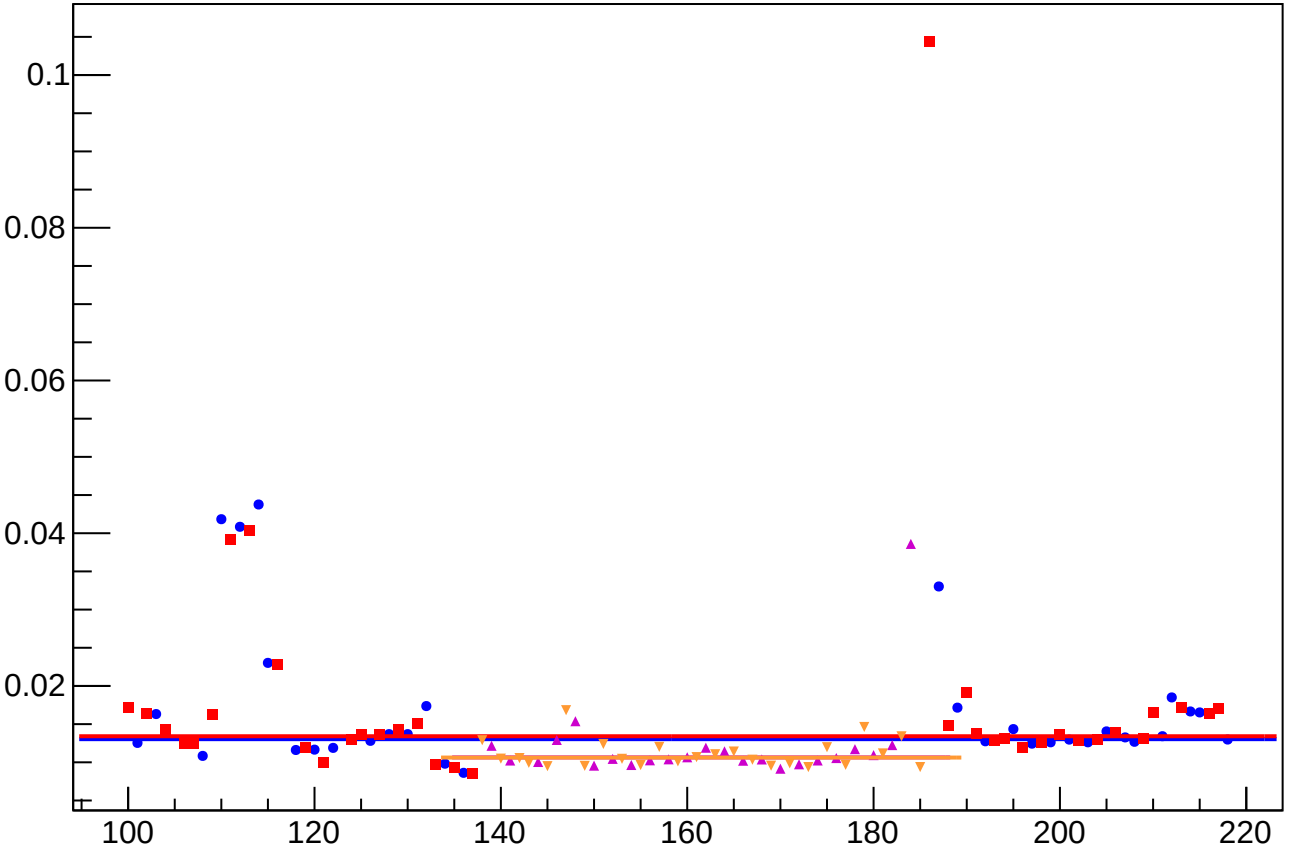
Left In: 0.012+/-0.000 χ^2/NDF:58674739.1/22

+ sign 0.030+/-0.000 χ^2/NDF: 9395579538.1/56

All: 0.032+/-0.000 χ^2/NDF: 19468978377.0/1

- sign 0.034+/-0.000 χ^2/NDF: 10071750992.2/58

yield_bpm4ecY_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF: 2090820.6/31

Left Out: 0.011+/-0.000 χ^2/NDF:622208.3/24

Right Out: 0.013+/-0.000 χ^2/NDF: 2424574.3/35

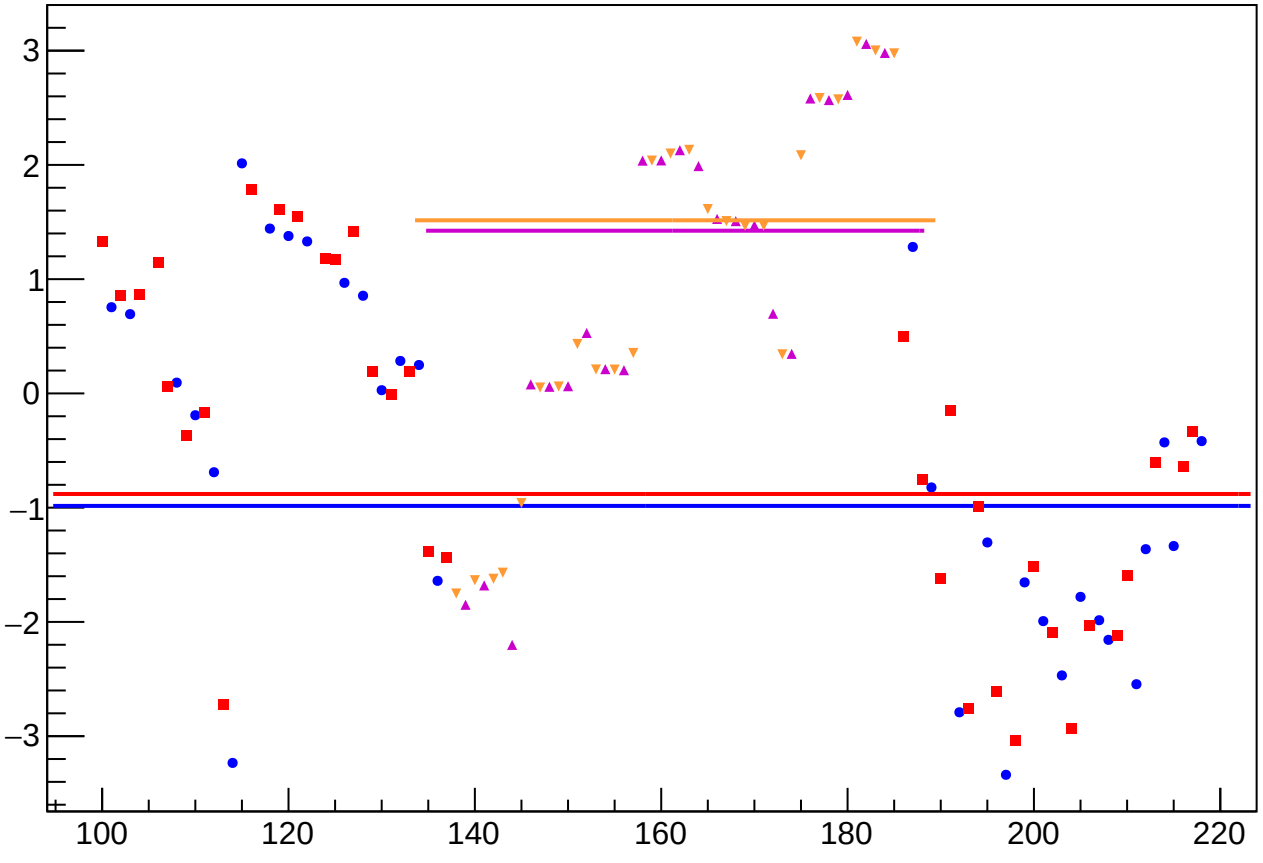
Left In: 0.011+/-0.000 χ^2/NDF:571950.9/22

+ sign 0.012+/-0.000 χ^2/NDF: 3450728.5/56

All: 0.012+/-0.000 χ^2/NDF: 7386197.7/115

- sign 0.012+/-0.000 χ^2/NDF: 3927929.2/58

yield_bpm1X_mean vs Slug



Right In: -0.985+/-0.000 χ^2/NDF: 9810269792.2/31

Left Out: 1.515+/-0.000 χ^2/NDF:67789388512.2/24

Right Out: -0.880+/-0.000 χ^2/NDF: 9780308858.5/35

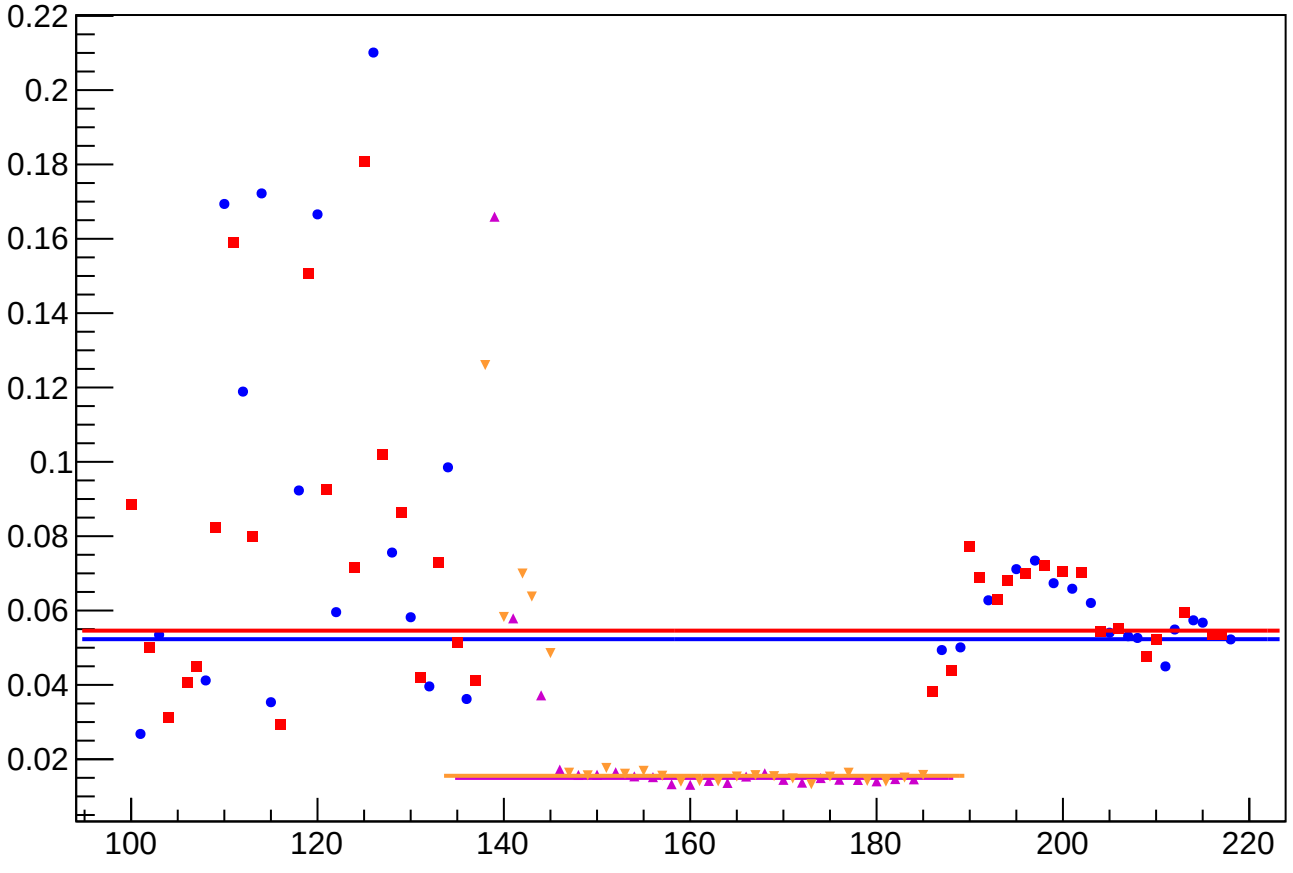
Left In: 1.424+/-0.000 χ^2/NDF:68046262594.0/22

+ sign 1.299+/-0.000 χ^2/NDF: 110270804868.7/56

All: 1.267+/-0.000 χ^2/NDF: 215172868561.2

- sign 1.236+/-0.000 χ^2/NDF: 104766180094.4/58

yield_bpm1X_rms vs Slug



Right In: 0.052+/-0.000 χ^2/NDF: 3622280.1/31

Left Out: 0.016+/-0.000 χ^2/NDF:2984313.0/24

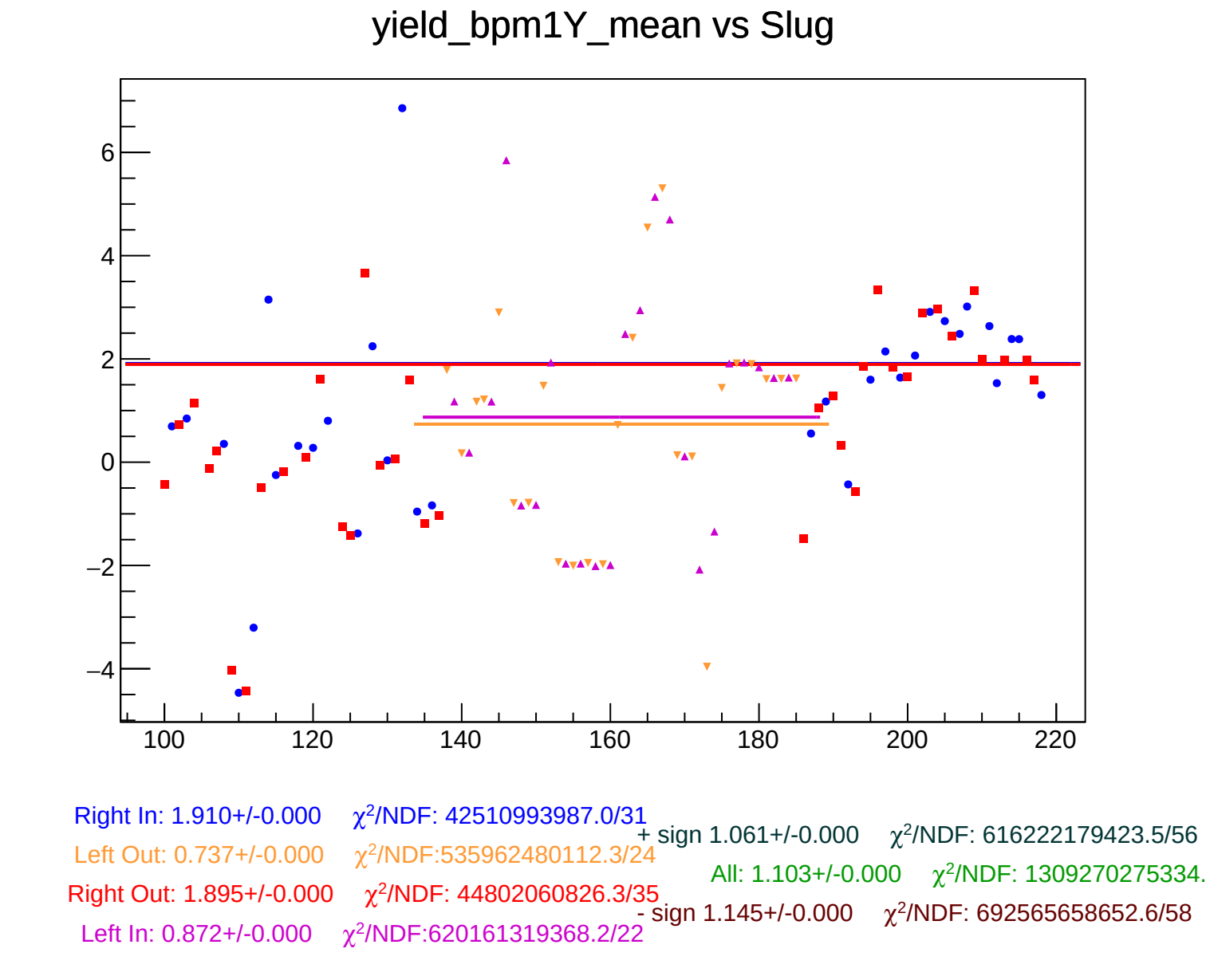
Right Out: 0.055+/-0.000 χ^2/NDF: 3197251.4/35

Left In: 0.015+/-0.000 χ^2/NDF:2182916.7/22

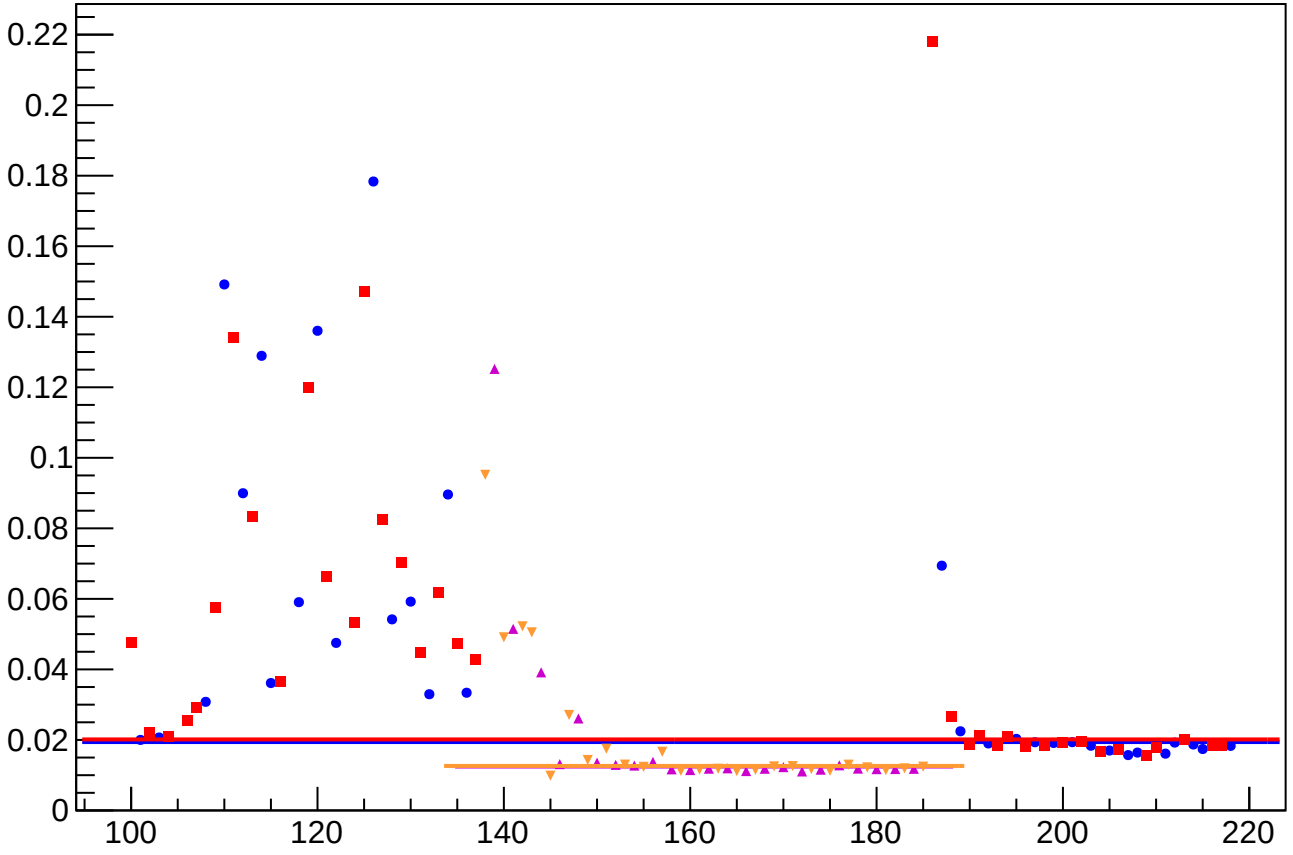
+ sign 0.019+/-0.000 χ^2/NDF: 20728184.8/56

All: 0.018+/-0.000 χ^2/NDF: 42052449.1/115

- sign 0.018+/-0.000 χ^2/NDF: 21307287.2/58


yield_bpm1Y_mean vs Slug
6
4
2
0
−2
−4
100
120
140
160
180
200
220
Right In: 1.910+/-0.000 χ²/NDF: 42510993987.0/31
Left Out: 0.737+/-0.000 χ²/NDF:535962480112.3/24
Right Out: 1.895+/-0.000 χ²/NDF: 44802060826.3/35
Left In: 0.872+/-0.000 χ²/NDF:620161319368.2/22
+ sign 1.061+/-0.000 χ²/NDF: 616222179423.5/56
All: 1.103+/-0.000 χ²/NDF: 1309270275334.
- sign 1.145+/-0.000 χ²/NDF: 692565658652.6/58

yield_bpm1Y_rms vs Slug



Right In: 0.019+/-0.000 χ^2/NDF: 4506794.5/31

Left Out: 0.013+/-0.000 χ^2/NDF:3191407.4/24

Right Out: 0.020+/-0.000 χ^2/NDF: 5556936.5/35

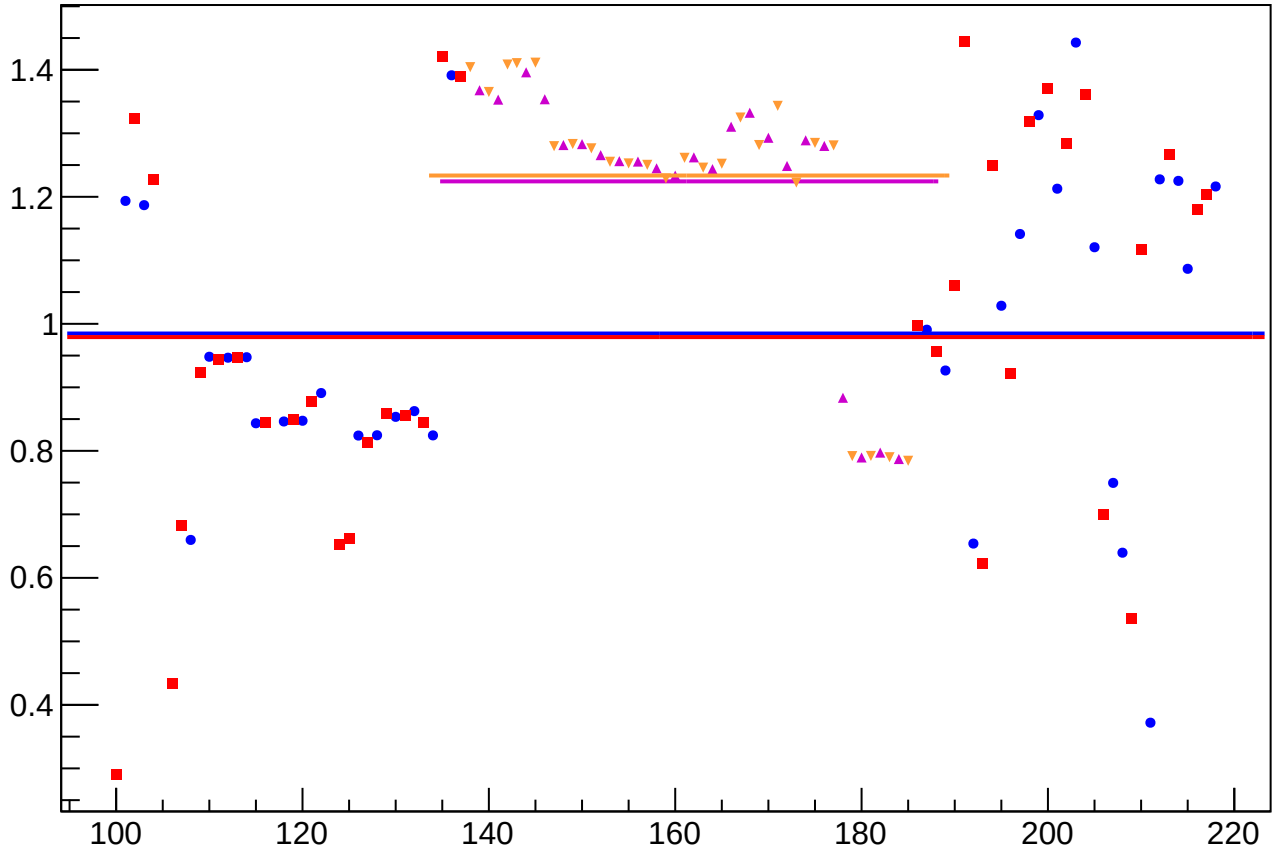
Left In: 0.012+/-0.000 χ^2/NDF:2756702.2/22

+ sign 0.014+/-0.000 χ^2/NDF: 10214559.2/56

All: 0.015+/-0.000 χ^2/NDF: 21647340.5/115

- sign 0.015+/-0.000 χ^2/NDF: 11432765.7/58

yield_bpm11X_mean vs Slug



Right In: 0.985+/-0.000 χ^2/NDF: 2351107392.3/31

Left Out: 1.234+/-0.000 χ^2/NDF:3043934887.1/24

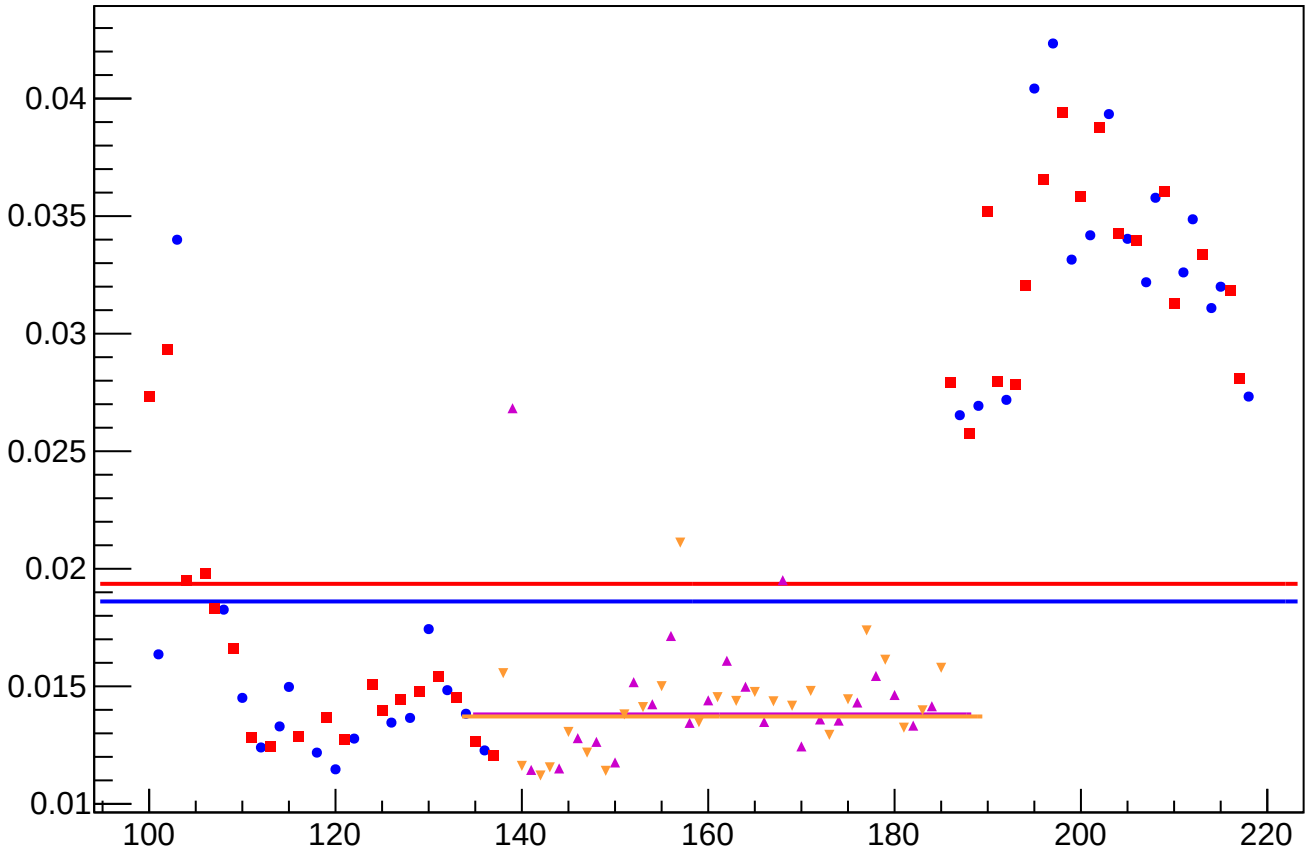
Right Out: 0.979+/-0.000 χ^2/NDF: 2600548034.1/35

Left In: 1.224+/-0.000 χ^2/NDF:2653773297.1/22

+ sign 1.152+/-0.000 χ^2/NDF: 7214097232.4/56

All: 1.148+/-0.000 χ^2/NDF: 14175859665.1/1

- sign 1.143+/-0.000 χ^2/NDF: 6955800334.2/58



Right In: 0.019+/-0.000 χ^2/NDF: 6682613.4/31

Left Out: 0.014+/-0.000 χ^2/NDF:550789.3/24

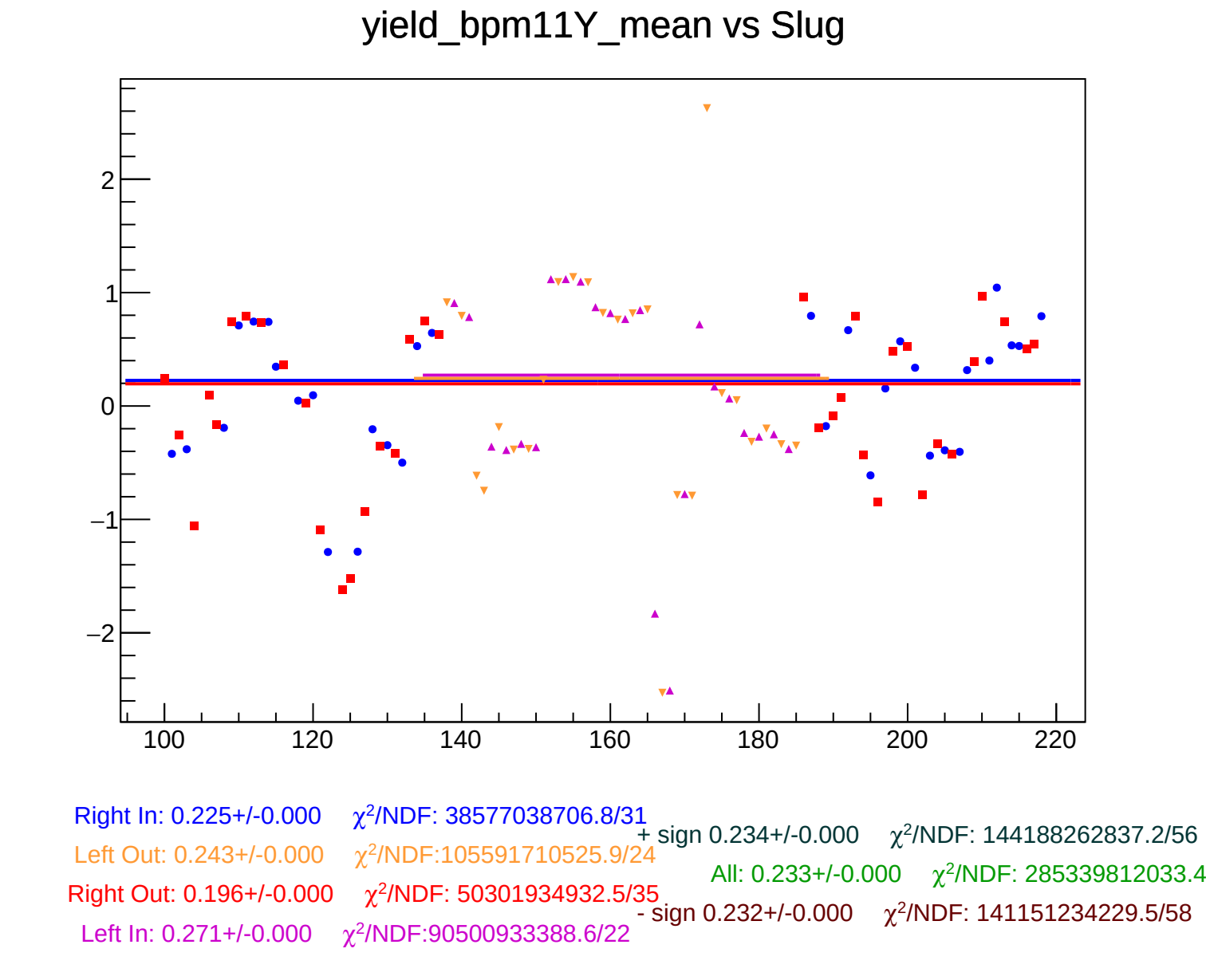
Right Out: 0.019+/-0.000 χ^2/NDF: 6100811.6/35

Left In: 0.014+/-0.000 χ^2/NDF:870104.2/22

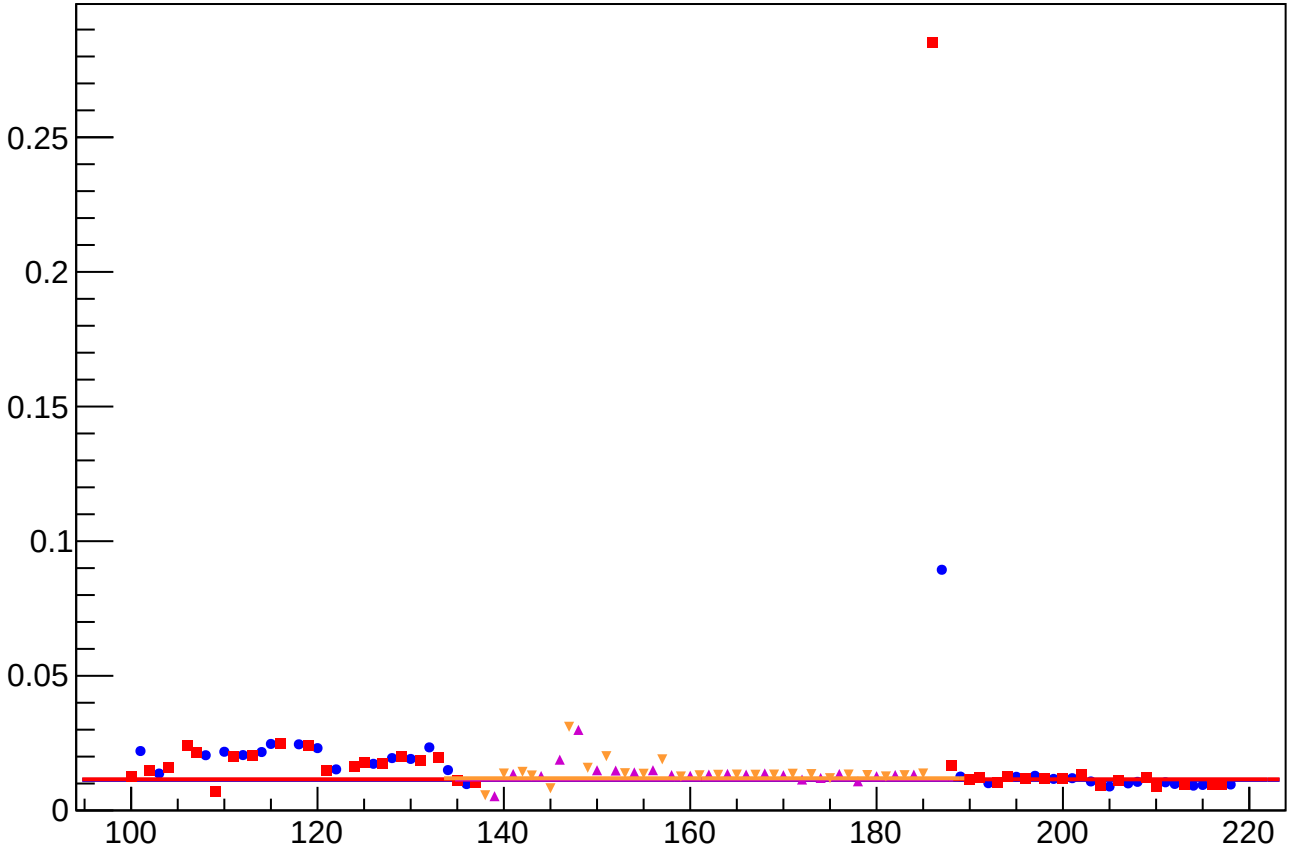
+ sign 0.015+/-0.000 χ^2/NDF: 8640292.8/56

All: 0.015+/-0.000 χ^2/NDF: 17372741.4/115

- sign 0.016+/-0.000 χ^2/NDF: 8717629.8/58


yield_bpm11Y_mean vs Slug
2
1
0
−1
−2
100
120
140
160
180
200
220
Right In: 0.225+/-0.000 χ²/NDF: 38577038706.8/31
Left Out: 0.243+/-0.000 χ²/NDF:105591710525.9/24
Right Out: 0.196+/-0.000 χ²/NDF: 50301934932.5/35
Left In: 0.271+/-0.000 χ²/NDF:90500933388.6/22
+ sign 0.234+/-0.000 χ²/NDF: 144188262837.2/56
All: 0.233+/-0.000 χ²/NDF: 285339812033.4
- sign 0.232+/-0.000 χ²/NDF: 141151234229.5/58

yield_bpm11Y_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF: 2898518.6/31

Left Out: 0.012+/-0.000 χ^2/NDF:3266034.8/24

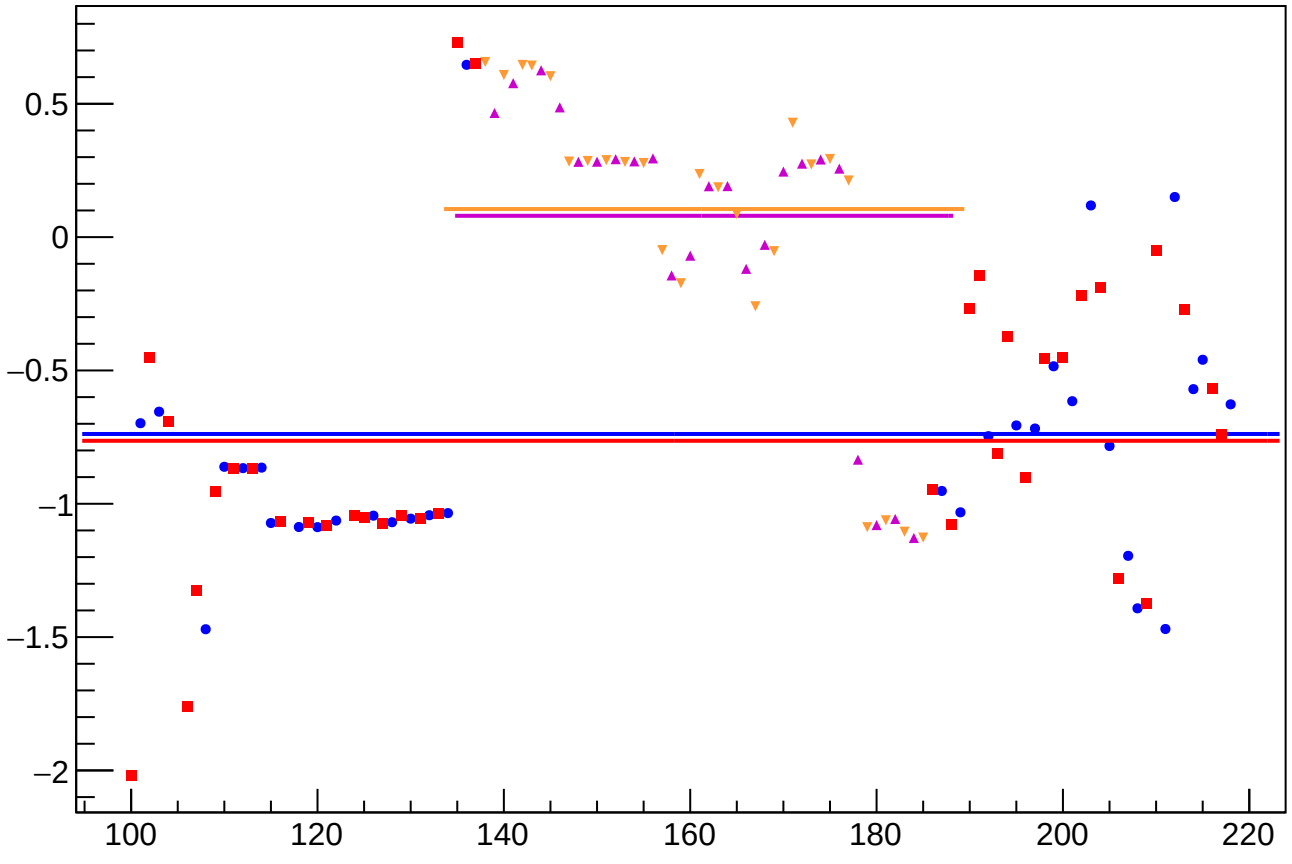
Right Out: 0.012+/-0.000 χ^2/NDF: 3357280.6/35

Left In: 0.011+/-0.000 χ^2/NDF:3671096.5/22

+ sign 0.012+/-0.000 χ^2/NDF: 6209542.7/56

All: 0.012+/-0.000 χ^2/NDF: 13241359.9/115

- sign 0.012+/-0.000 χ^2/NDF: 7029060.3/58



Right In: -0.738+/-0.000 χ^2/NDF: 2408855210.1/31

Left Out: 0.105+/-0.000 χ^2/NDF:3787188881.7/24

Right Out: -0.764+/-0.000 χ^2/NDF: 2245973604.5/35

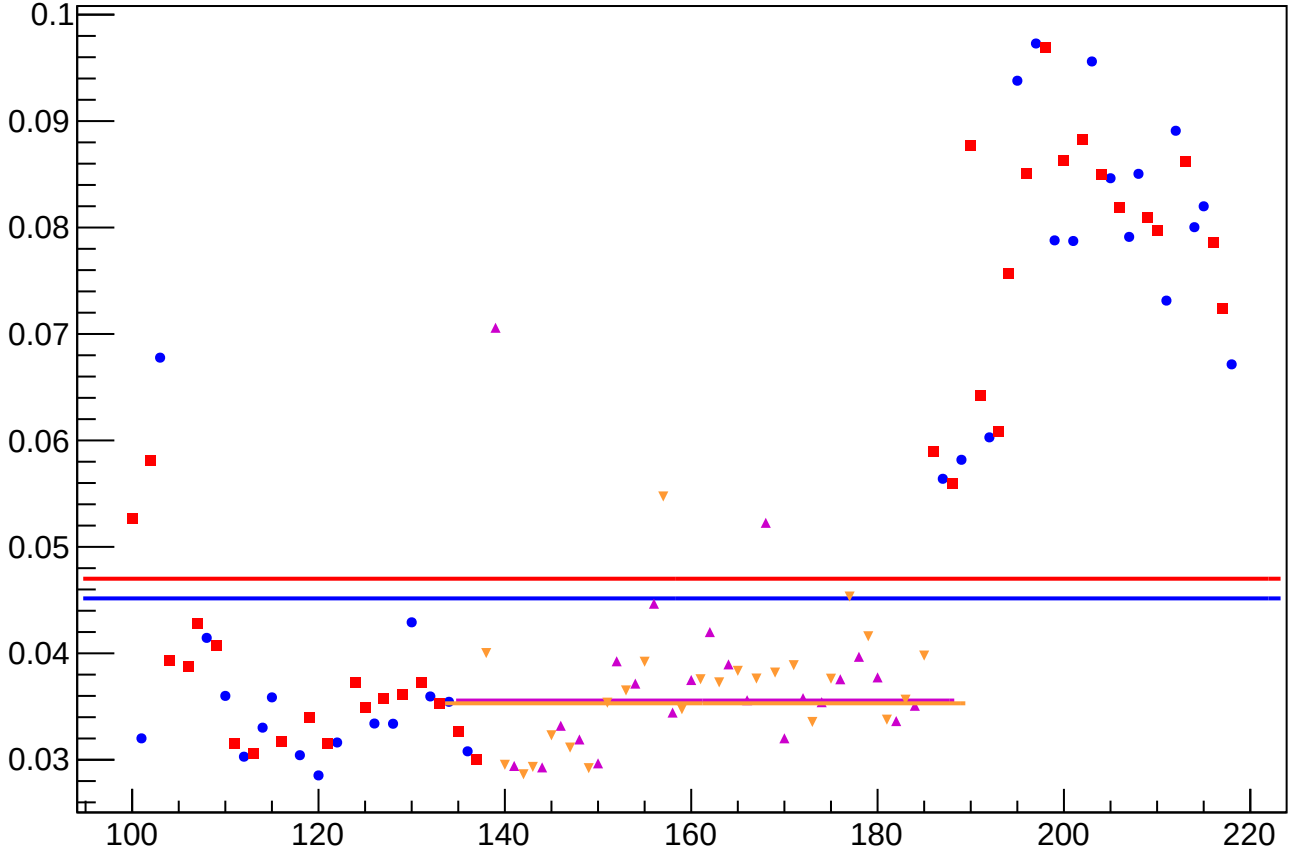
Left In: 0.080+/-0.000 χ^2/NDF:3269598614.0/22

+ sign -0.198+/-0.000 χ^2/NDF: 9653302282.7/56

All: -0.213+/-0.000 χ^2/NDF: 18488003893.0/

- sign -0.228+/-0.000 χ^2/NDF: 8825467294.7/58

yield_bpm12X_rms vs Slug



Right In: 0.045+/-0.000 χ^2/NDF: 6457622.7/31

Left Out: 0.035+/-0.000 χ^2/NDF:612627.1/24

Right Out: 0.047+/-0.000 χ^2/NDF: 5699484.3/35

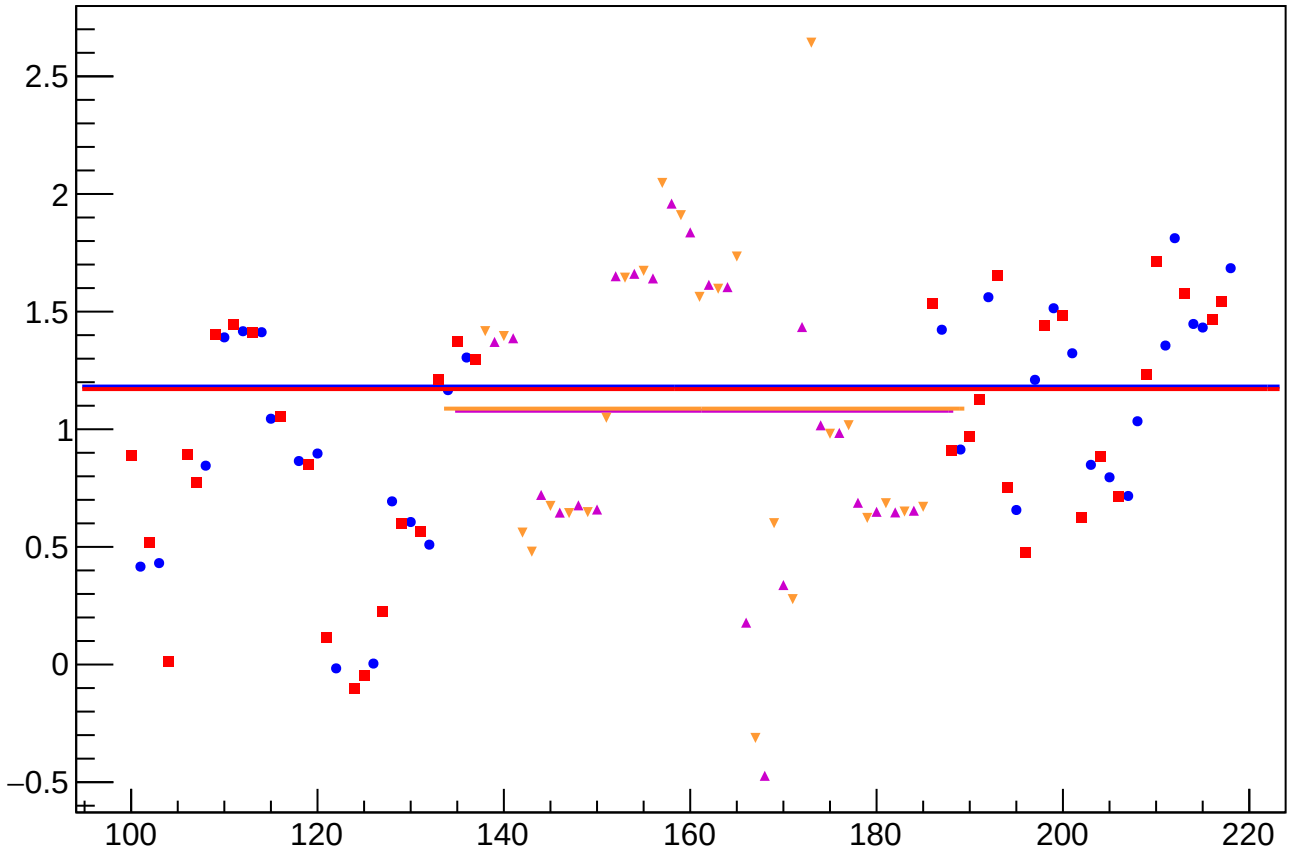
Left In: 0.036+/-0.000 χ^2/NDF:960383.5/22

+ sign 0.039+/-0.000 χ^2/NDF: 8014070.9/56

All: 0.039+/-0.000 χ^2/NDF: 15908474.4/115

- sign 0.040+/-0.000 χ^2/NDF: 7877992.5/58

yield_bpm12Y_mean vs Slug



Right In: 1.181+/-0.000 χ^2/NDF: 58769336942.3/31

Left Out: 1.088+/-0.000 χ^2/NDF:93851056436.3/24

Right Out: 1.171+/-0.000 χ^2/NDF: 64312640182.6/35

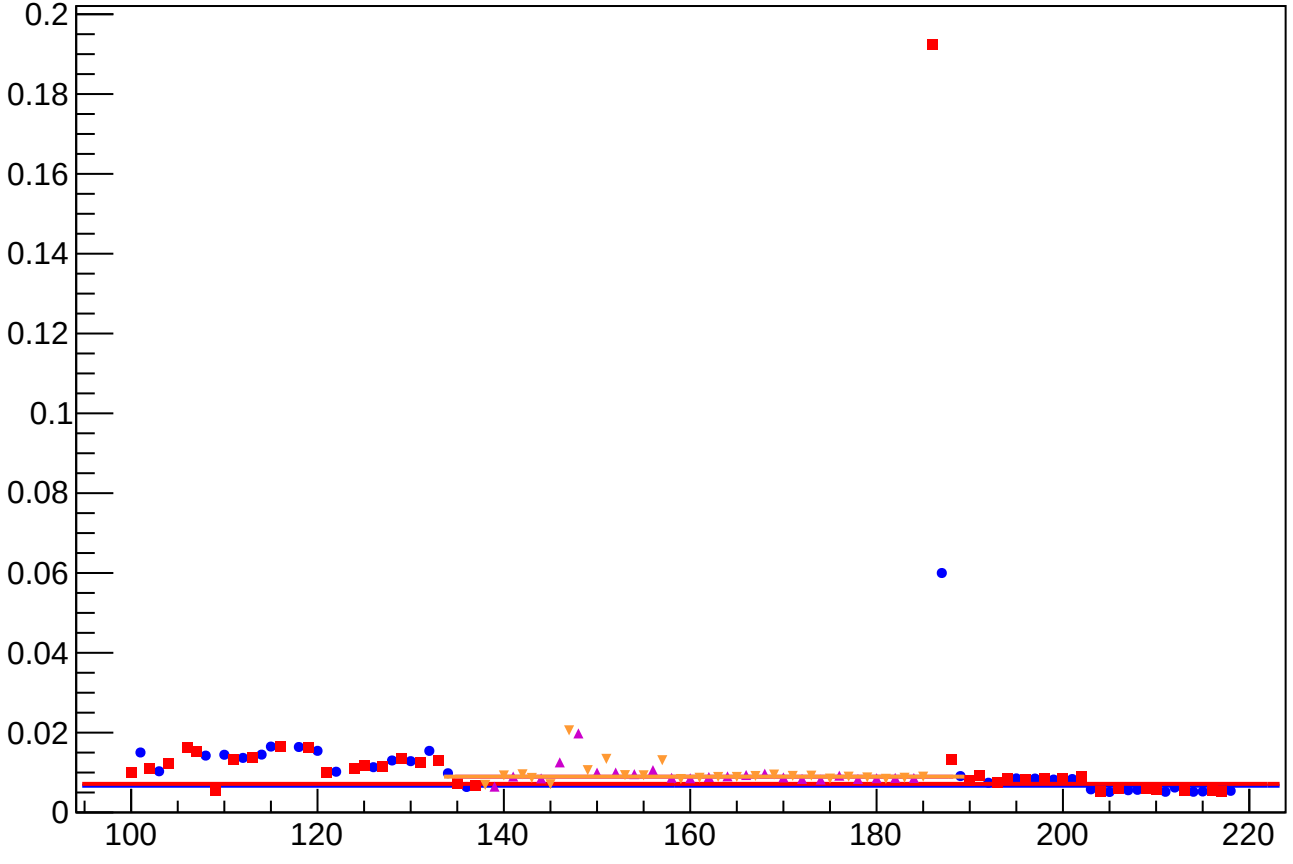
Left In: 1.079+/-0.000 χ^2/NDF:74081002727.0/22

+ sign 1.146+/-0.000 χ^2/NDF: 153849771693.0/56

All: 1.141+/-0.000 χ^2/NDF: 293370852536.3

- sign 1.135+/-0.000 χ^2/NDF: 139483300973.3/58

yield_bpm12Y_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 4278576.6/31

Left Out: 0.009+/-0.000 χ^2/NDF:1146497.6/24

Right Out: 0.007+/-0.000 χ^2/NDF: 4551632.7/35

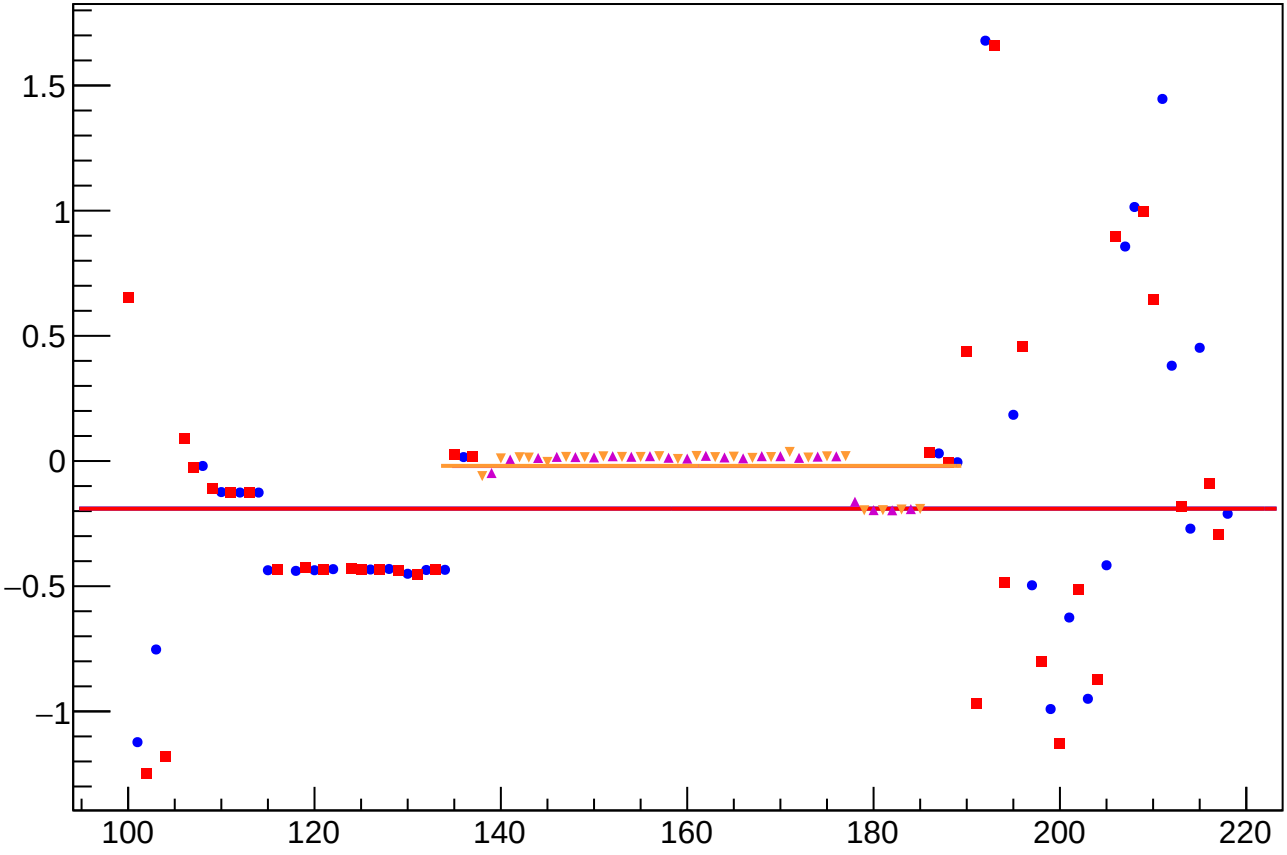
Left In: 0.009+/-0.000 χ^2/NDF:966765.2/22

+ sign 0.008+/-0.000 χ^2/NDF: 6876739.3/56

All: 0.008+/-0.000 χ^2/NDF: 13268113.6/115

- sign 0.008+/-0.000 χ^2/NDF: 6336201.9/58

yield_bpm16X_mean vs Slug



Right In: -0.190+/-0.000 χ^2/NDF: 6213860859.7/31

Left Out: -0.019+/-0.000 χ^2/NDF:1058597672.8/24

Right Out: -0.190+/-0.000 χ^2/NDF: 4554999924.7/35

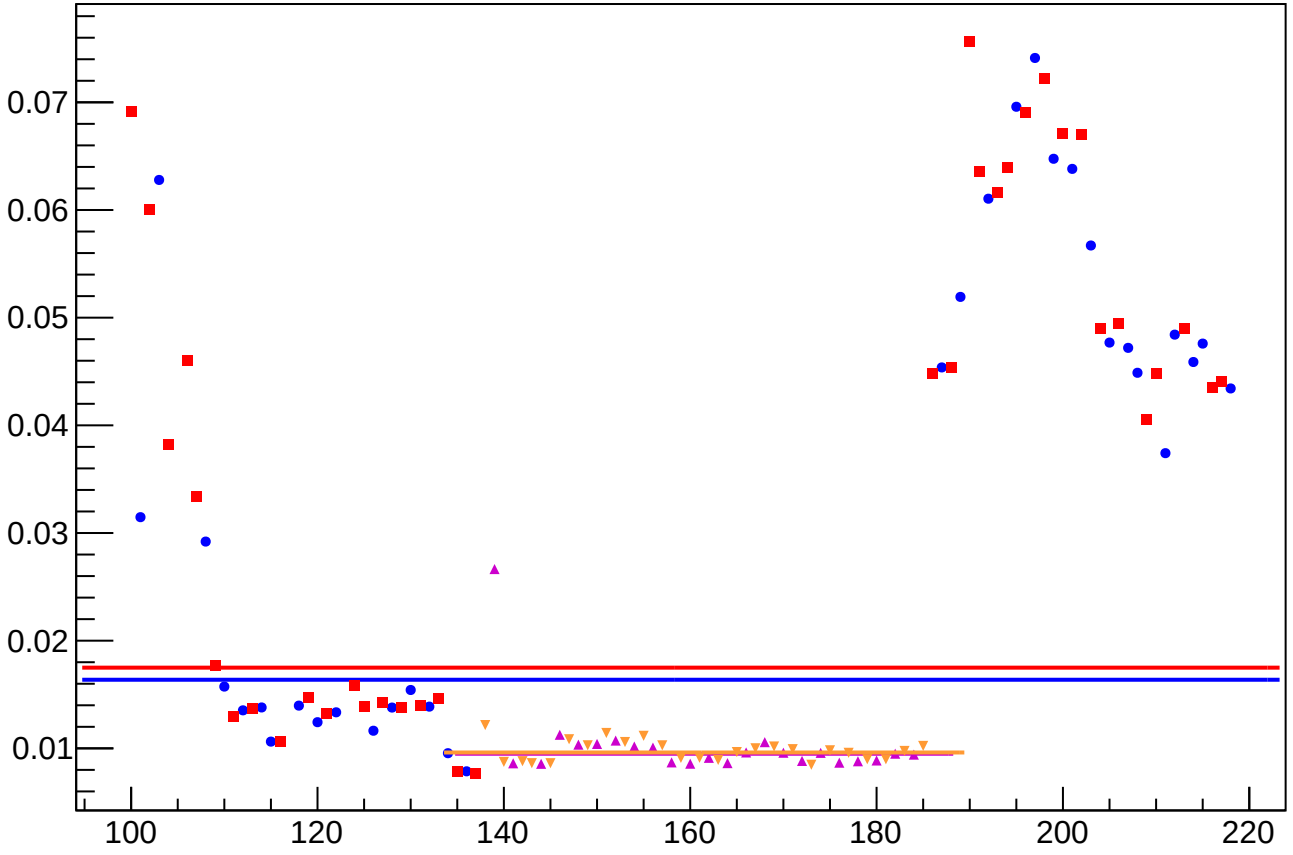
Left In: -0.020+/-0.000 χ^2/NDF:984483299.5/22

+ sign -0.051+/-0.000 χ^2/NDF: 8227880732.2/56

All: -0.051+/-0.000 χ^2/NDF: 14636777000.6/

- sign -0.050+/-0.000 χ^2/NDF: 6408860068.4/58

yield_bpm16X_rms vs Slug



Right In: 0.016+/-0.000 χ^2/NDF: 15042300.5/31

Left Out: 0.010+/-0.000 χ^2/NDF:271912.7/24

Right Out: 0.017+/-0.000 χ^2/NDF: 15194792.3/35

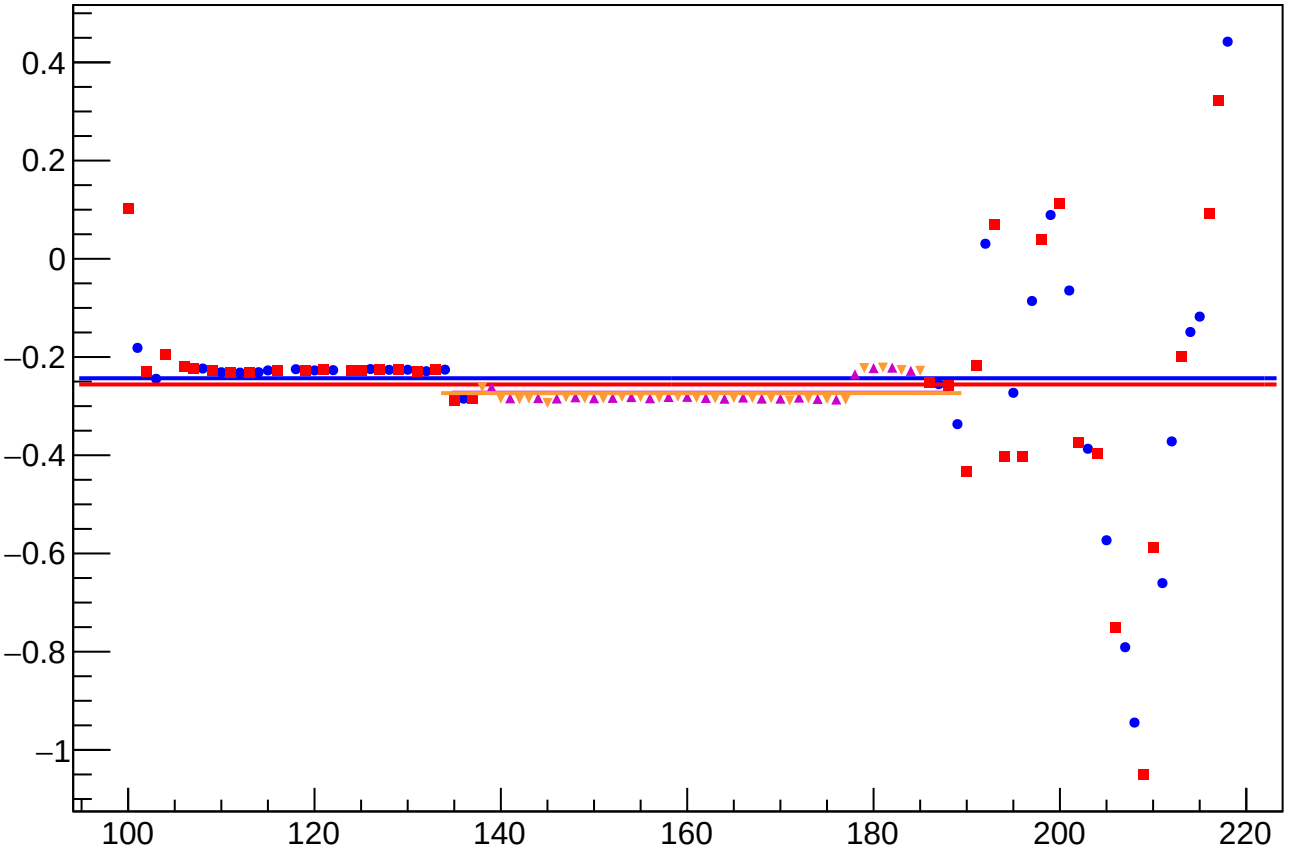
Left In: 0.009+/-0.000 χ^2/NDF:900469.0/22

+ sign 0.011+/-0.000 χ^2/NDF: 18312320.9/56

All: 0.011+/-0.000 χ^2/NDF: 38240780.5/115

- sign 0.011+/-0.000 χ^2/NDF: 19927917.0/58

yield_bpm16Y_mean vs Slug



Right In: -0.243+/-0.000 χ^2/NDF: 37504787651.9/31

Left Out: -0.274+/-0.000 χ^2/NDF:395563277.1/24

Right Out: -0.256+/-0.000 χ^2/NDF: 33381854570.6/35

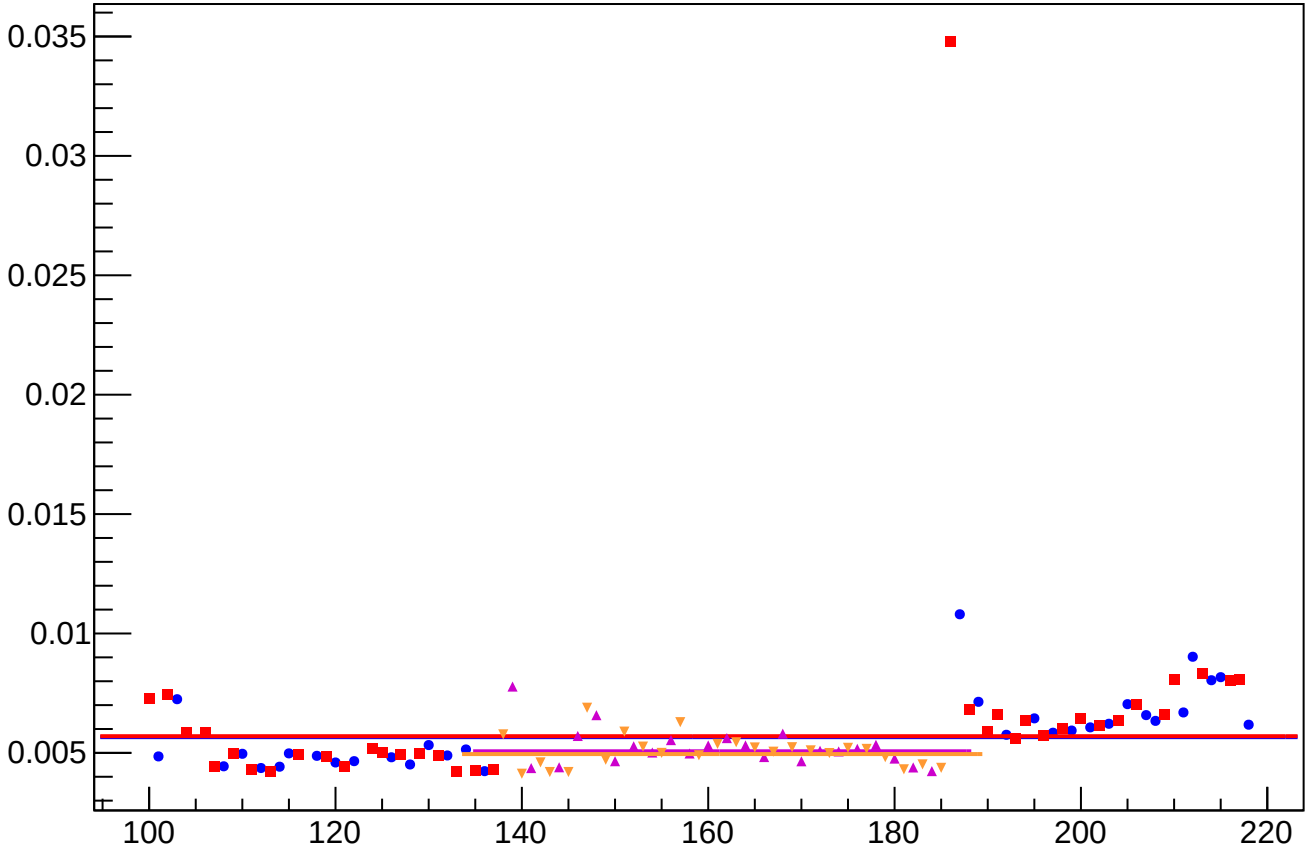
Left In: -0.273+/-0.000 χ^2/NDF:335149425.2/22

+ sign -0.260+/-0.000 χ^2/NDF: 38193463579.5/56

All: -0.263+/-0.000 χ^2/NDF: 72009336985.4/

- sign -0.265+/-0.000 χ^2/NDF: 33802898892.6/58

yield_bpm16Y_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF: 1518625.4/31

Left Out: 0.005+/-0.000 χ^2/NDF:528766.8/24

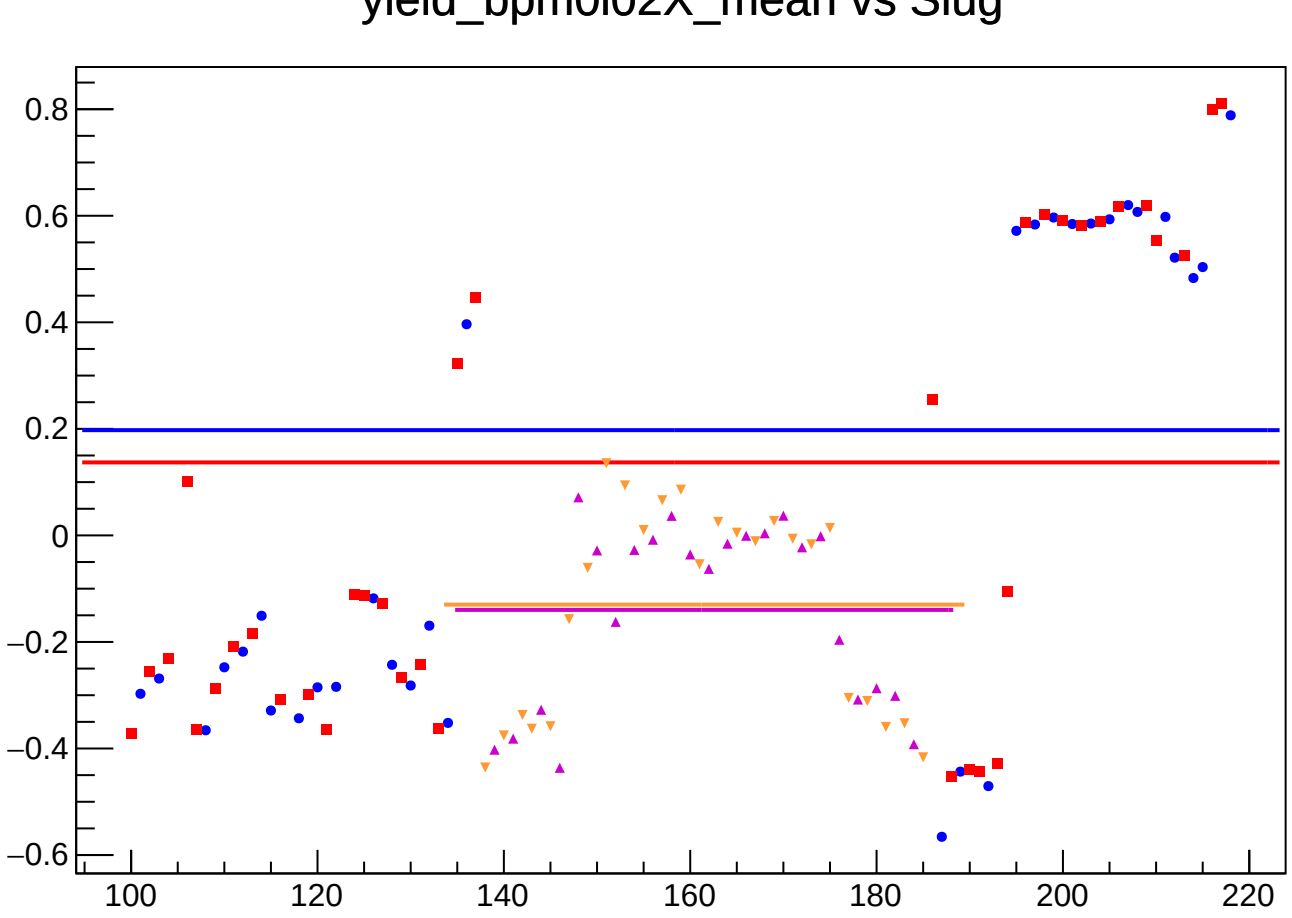
Right Out: 0.006+/-0.000 χ^2/NDF: 2100815.5/35

Left In: 0.005+/-0.000 χ^2/NDF:539392.8/22

+ sign 0.005+/-0.000 χ^2/NDF: 2368137.4/56

All: 0.005+/-0.000 χ^2/NDF: 5265619.0/115

- sign 0.005+/-0.000 χ^2/NDF: 2884916.1/58



Right In: 0.198+/-0.000 χ^2/NDF: 79611963206.7/31

Left Out: -0.130+/-0.000 χ^2/NDF:21496239338.5/24

Right Out: 0.137+/-0.000 χ^2/NDF: 84652155301.9/35

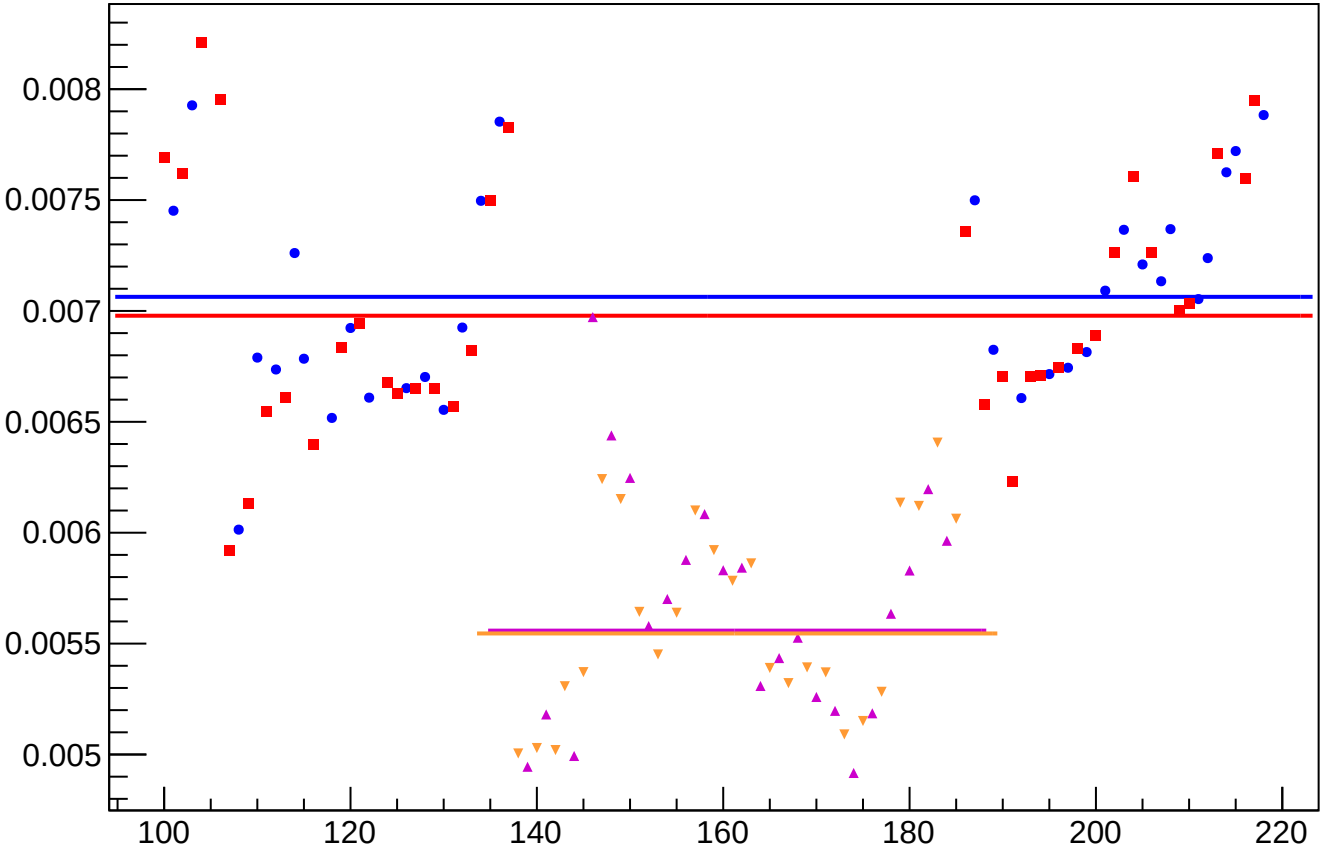
Left In: -0.140+/-0.000 χ^2/NDF:15148699439.4/22

+ sign 0.001+/-0.000 χ^2/NDF: 126663394772.3/56

All: -0.011+/-0.000 χ^2/NDF: 244958575846.1

- sign -0.022+/-0.000 χ^2/NDF: 118036243718.2/58

yield_bpm0i02X_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 162081.2/31

Left Out: 0.006+/-0.000 χ^2/NDF:201874.8/24

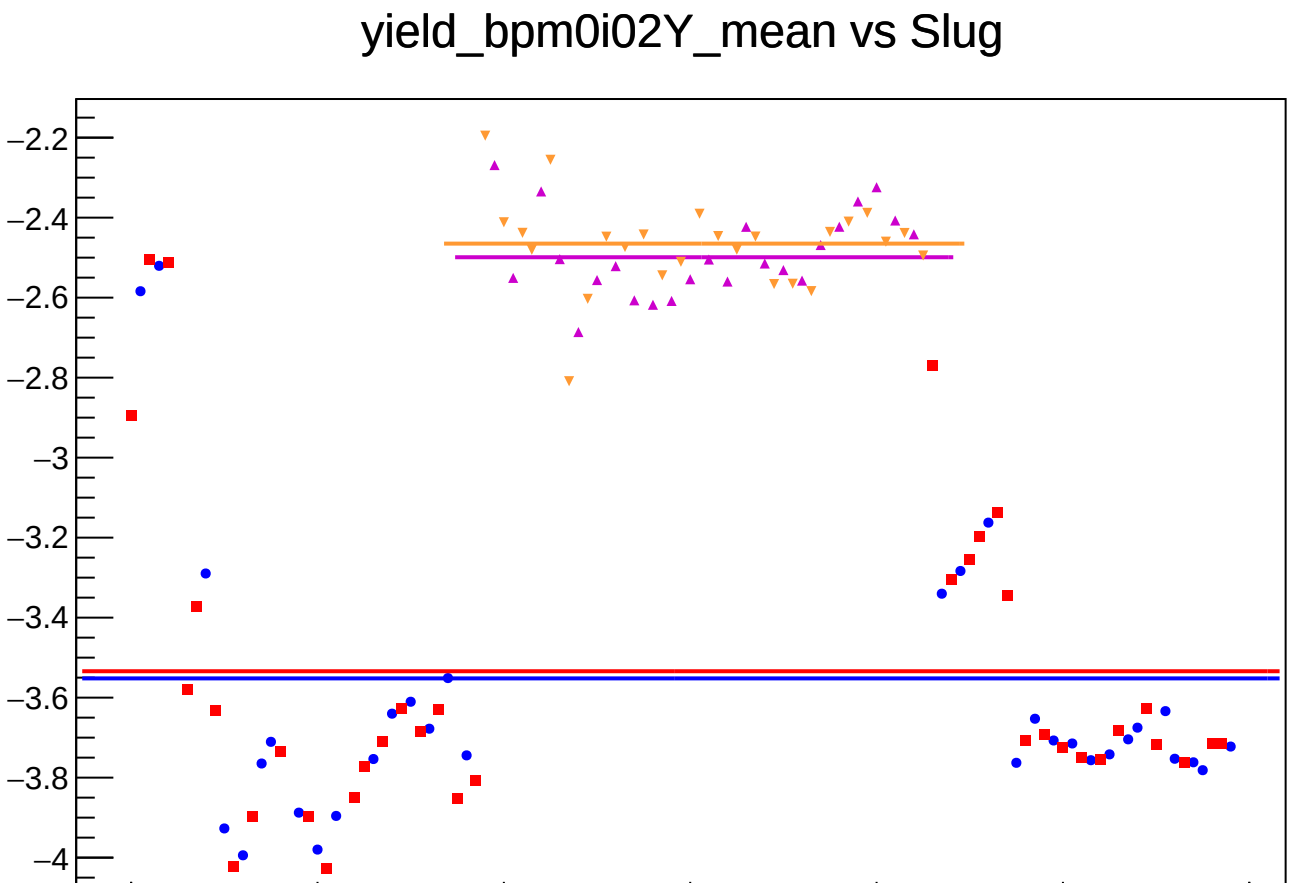
Right Out: 0.007+/-0.000 χ^2/NDF: 200826.9/35

Left In: 0.006+/-0.000 χ^2/NDF:260994.3/22

+ sign 0.006+/-0.000 χ^2/NDF: 1461834.4/56

All: 0.006+/-0.000 χ^2/NDF: 2882791.6/115

- sign 0.006+/-0.000 χ^2/NDF: 1420847.6/58



Right In: -3.552+/-0.000 χ^2/NDF: 33836848869.8/31

Left Out: -2.465+/-0.000 χ^2/NDF:2167098053.0/24

Right Out: -3.534+/-0.000 χ^2/NDF: 35540853611.6/35

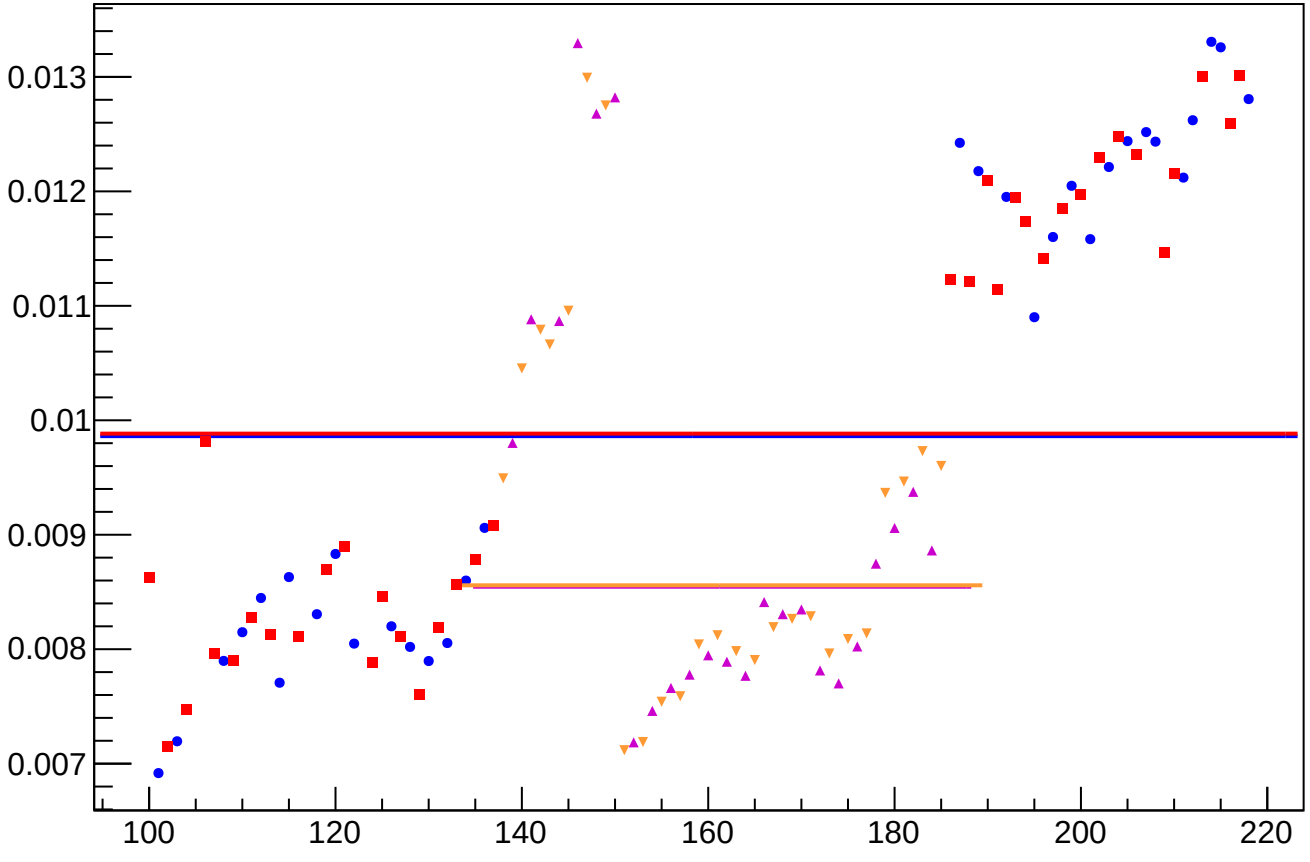
Left In: -2.499+/-0.000 χ^2/NDF:2273256162.3/22

+ sign -2.943+/-0.000 χ^2/NDF: 164311722781.8/56

All: -2.958+/-0.000 χ^2/NDF: 317183164704.1

- sign -2.973+/-0.000 χ^2/NDF: 152673333330.7/58

yield_bpm0i02Y_rms vs Slug



Right In: 0.010+/-0.000 χ^2/NDF: 1839415.2/31

Left Out: 0.009+/-0.000 χ^2/NDF:824029.0/24

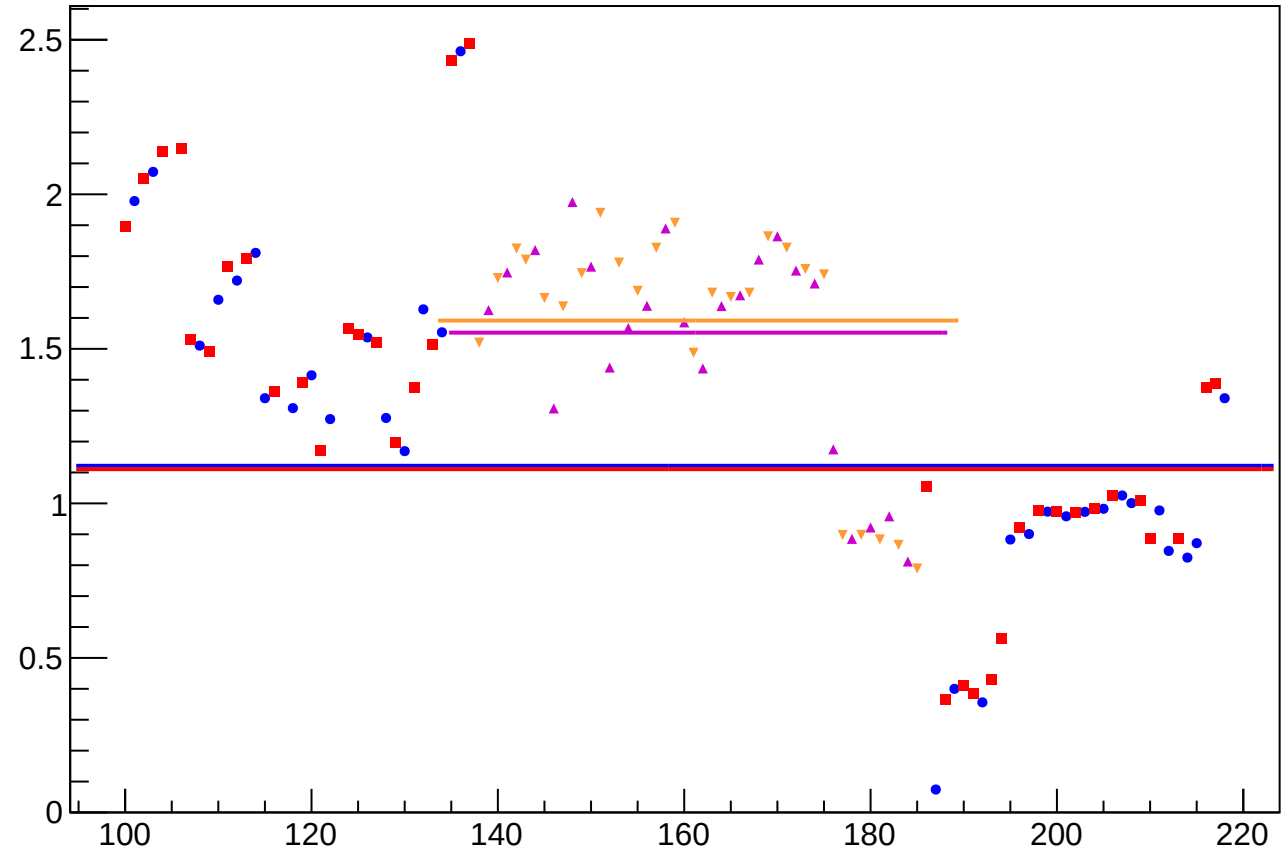
Right Out: 0.010+/-0.000 χ^2/NDF: 1614534.7/35

Left In: 0.009+/-0.000 χ^2/NDF:910760.2/22

+ sign 0.009+/-0.000 χ^2/NDF: 3032379.5/56

All: 0.009+/-0.000 χ^2/NDF: 5941562.1/115

- sign 0.009+/-0.000 χ^2/NDF: 2908863.7/58



Right In: 1.122+/-0.000 χ^2/NDF: 30928650859.4/31

Left Out: 1.592+/-0.000 χ^2/NDF:17078853061.6/24

Right Out: 1.111+/-0.000 χ^2/NDF: 35503992643.9/35

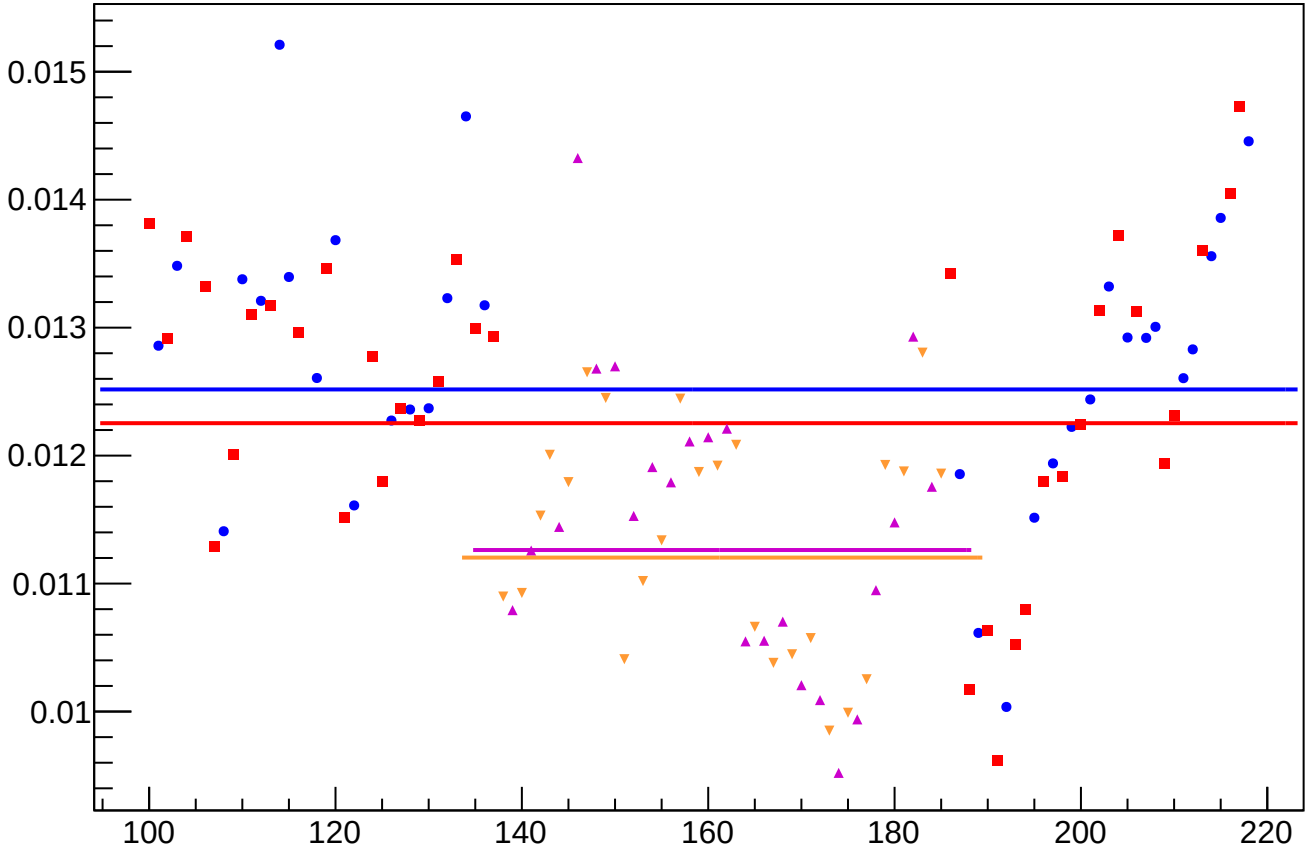
Left In: 1.552+/-0.000 χ^2/NDF:14055987405.9/22

+ sign 1.375+/-0.000 χ^2/NDF: 62944466620.4/56

All: 1.355+/-0.000 χ^2/NDF: 125862854700.1

- sign 1.335+/-0.000 χ^2/NDF: 62693999647.2/58

yield_bpm0i02aX_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF: 303324.9/31

Left Out: 0.011+/-0.000 χ^2/NDF:223594.3/24

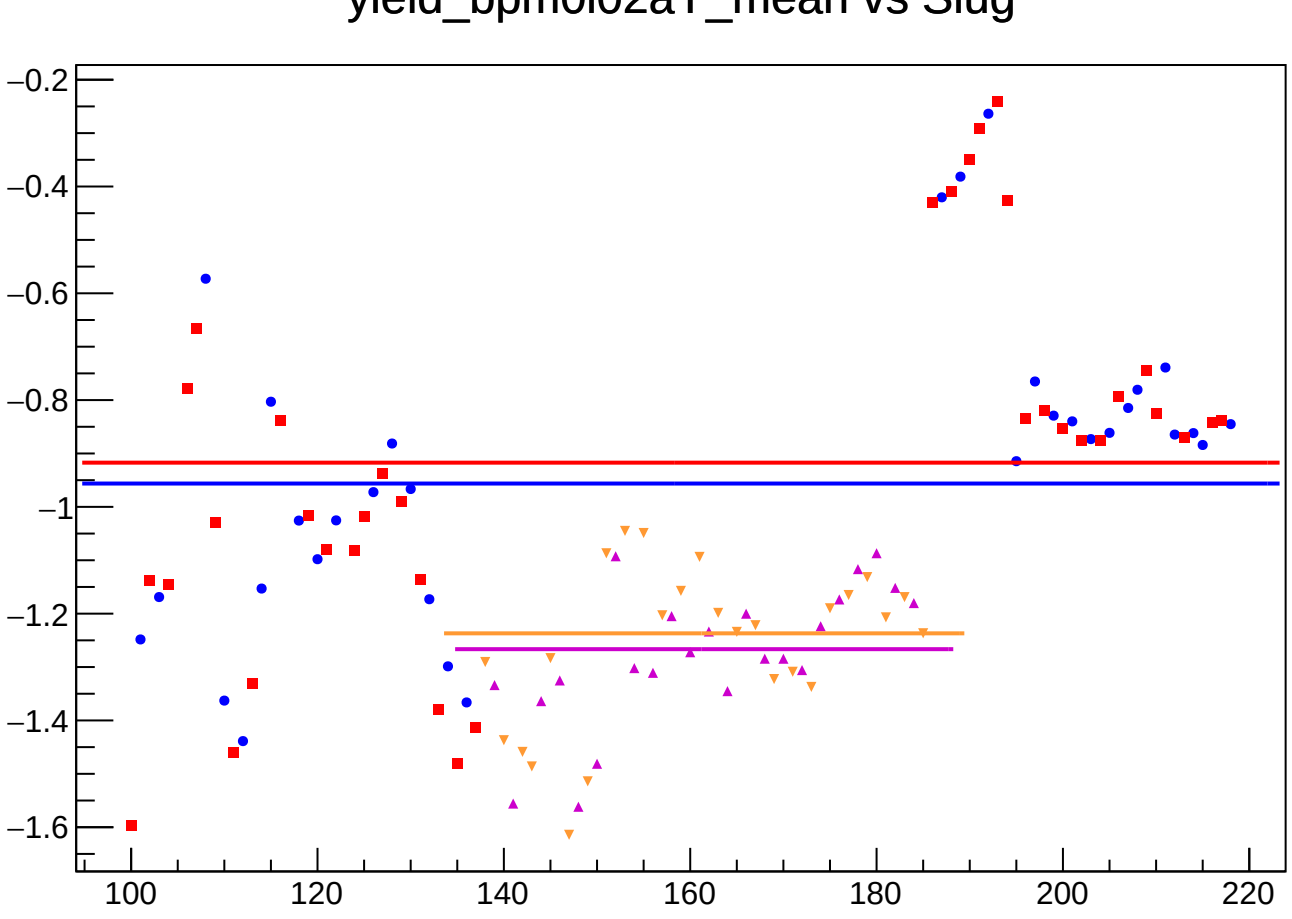
Right Out: 0.012+/-0.000 χ^2/NDF: 403415.6/35

Left In: 0.011+/-0.000 χ^2/NDF:311660.7/22

+ sign 0.012+/-0.000 χ^2/NDF: 760386.4/56

All: 0.012+/-0.000 χ^2/NDF: 1608588.5/115

- sign 0.012+/-0.000 χ^2/NDF: 847336.2/58



Right In: -0.956+/-0.000 χ^2/NDF: 12566630853.0/31

Left Out: -1.237+/-0.000 χ^2/NDF:4972272024.7/24

Right Out: -0.917+/-0.000 χ^2/NDF: 17029647214.6/35

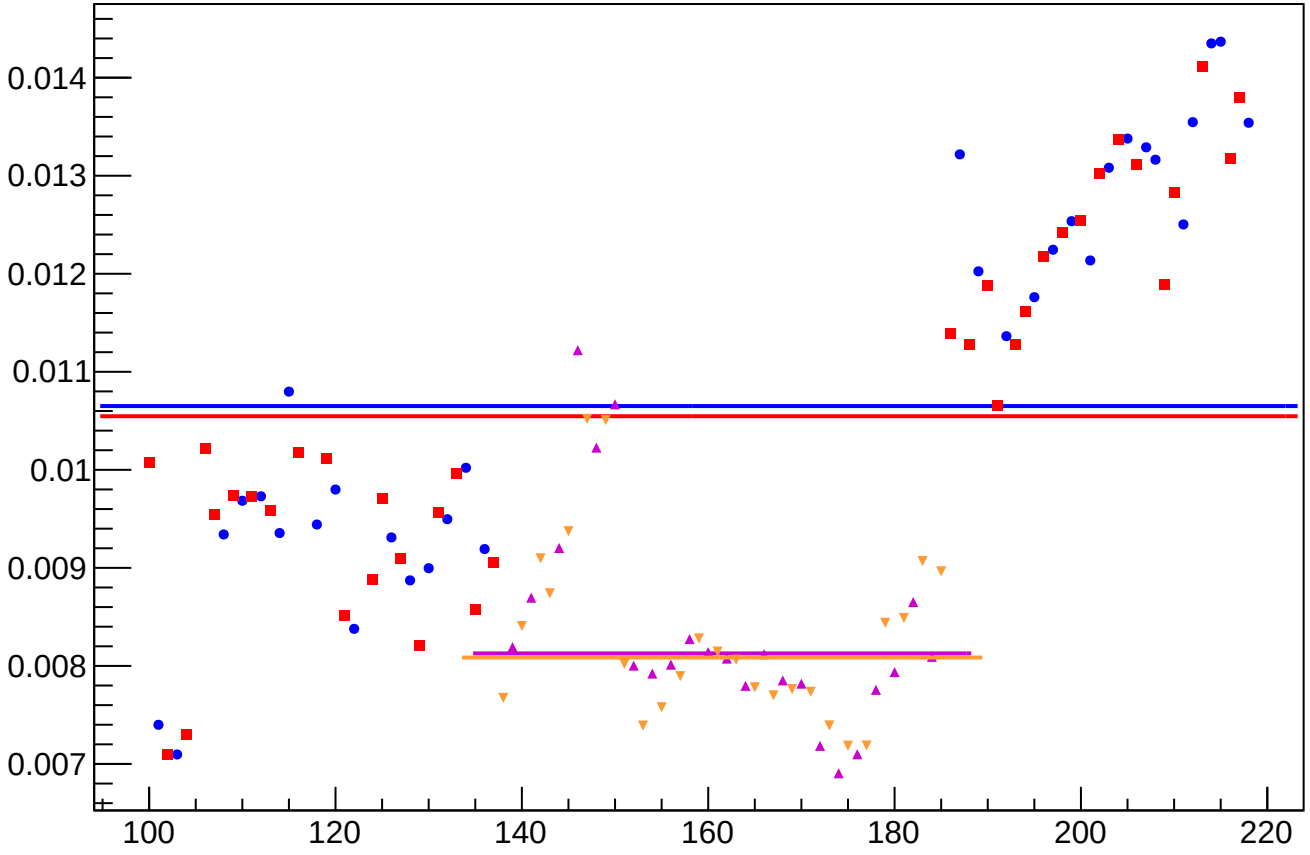
Left In: -1.267+/-0.000 χ^2/NDF:3674801511.3/22

+ sign -1.132+/-0.000 χ^2/NDF: 25692648161.0/56

All: -1.129+/-0.000 χ^2/NDF: 59059880010.9/

- sign -1.127+/-0.000 χ^2/NDF: 33361725372.1/58

yield_bpm0i02aY_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF: 1619808.6/31

Left Out: 0.008+/-0.000 χ^2/NDF:326825.0/24

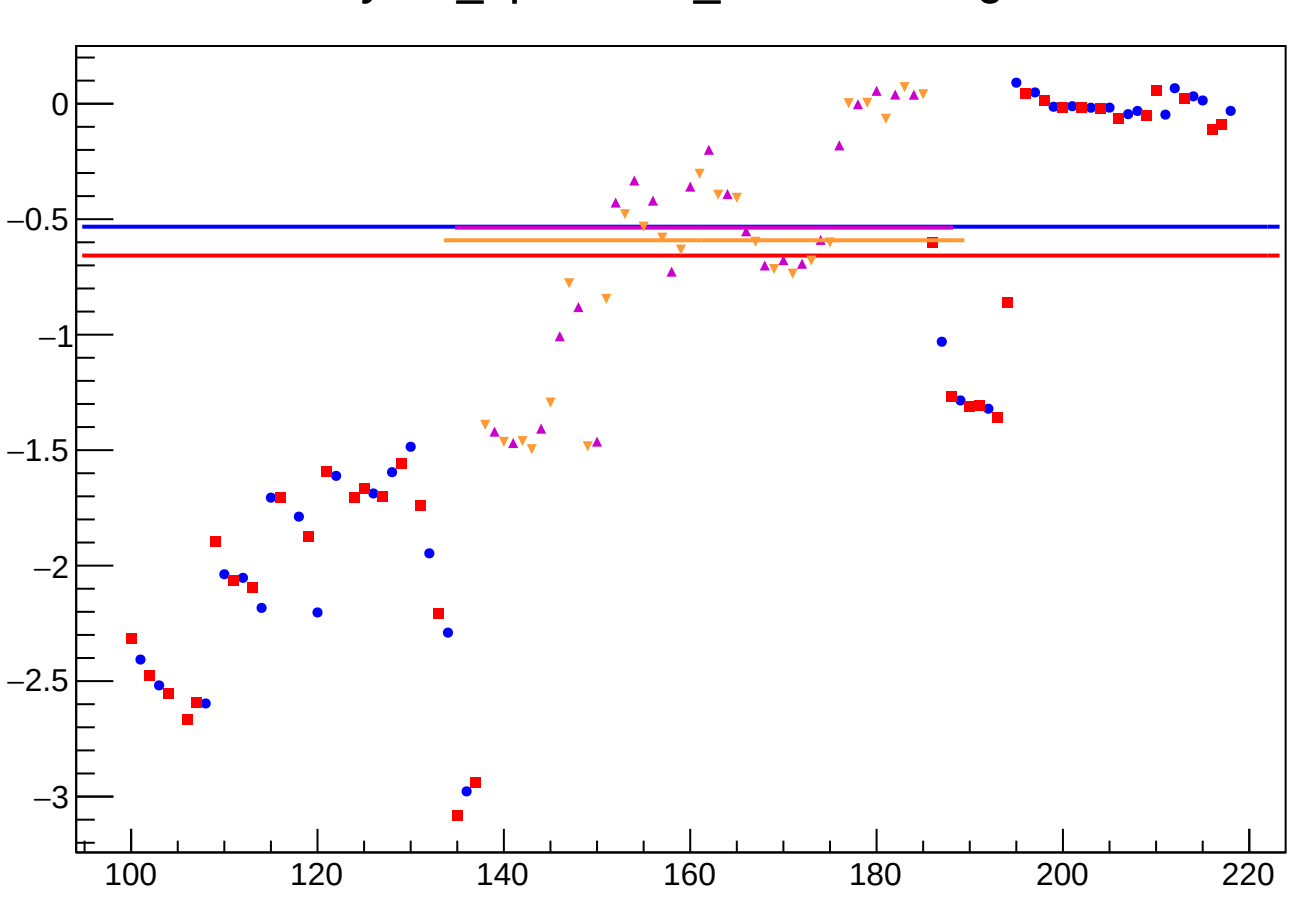
Right Out: 0.011+/-0.000 χ^2/NDF: 1451882.4/35

Left In: 0.008+/-0.000 χ^2/NDF:409030.0/22

+ sign 0.009+/-0.000 χ^2/NDF: 3309893.3/56

All: 0.009+/-0.000 χ^2/NDF: 6385908.2/115

- sign 0.009+/-0.000 χ^2/NDF: 3074956.5/58



Right In: -0.532+/-0.000 χ^2/NDF: 419854148548.0/31

Left Out: -0.591+/-0.000 χ^2/NDF:72678844667.5/24

Right Out: -0.657+/-0.000 χ^2/NDF: 441286491295.9/35

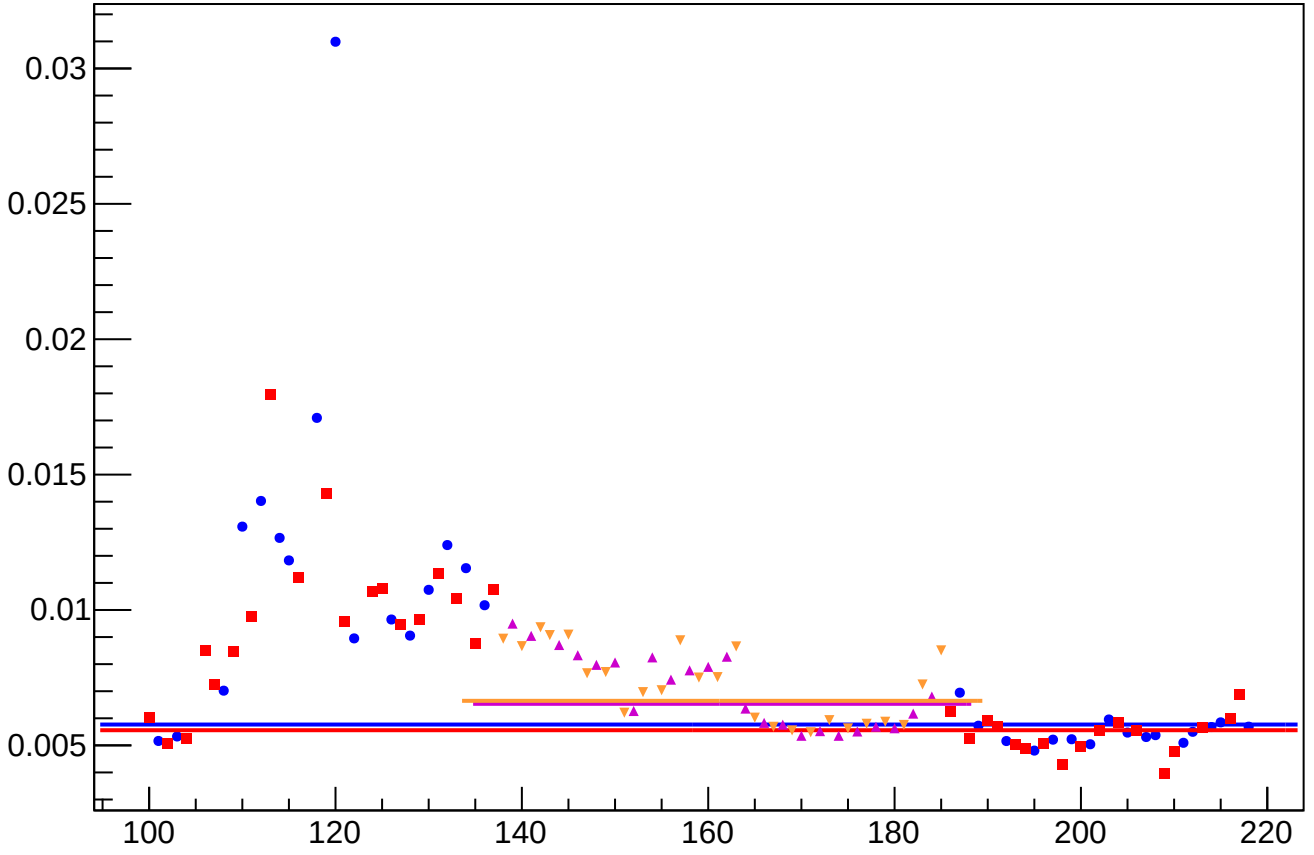
Left In: -0.536+/-0.000 χ^2/NDF:70168781562.6/22

+ sign -0.558+/-0.000 χ^2/NDF: 493277316778.6/56

All: -0.584+/-0.000 χ^2/NDF: 1009139320790

- sign -0.609+/-0.000 χ^2/NDF: 514697504038.6/58

yield_bpm0i05X_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF: 2542699.8/31

Left Out: 0.007+/-0.000 χ^2/NDF:1091920.0/24

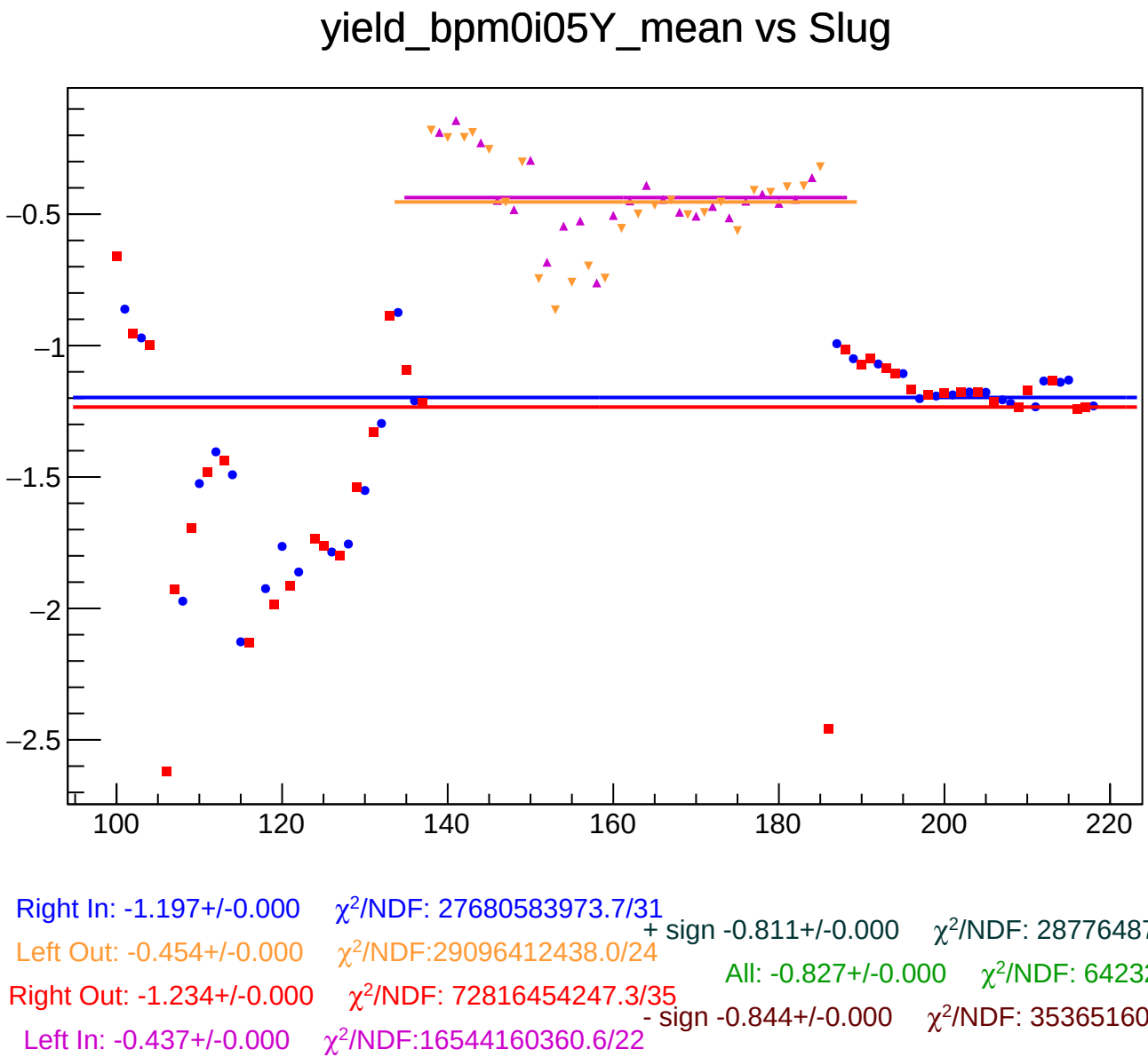
Right Out: 0.006+/-0.000 χ^2/NDF: 2746148.4/35

Left In: 0.007+/-0.000 χ^2/NDF:1151126.7/22

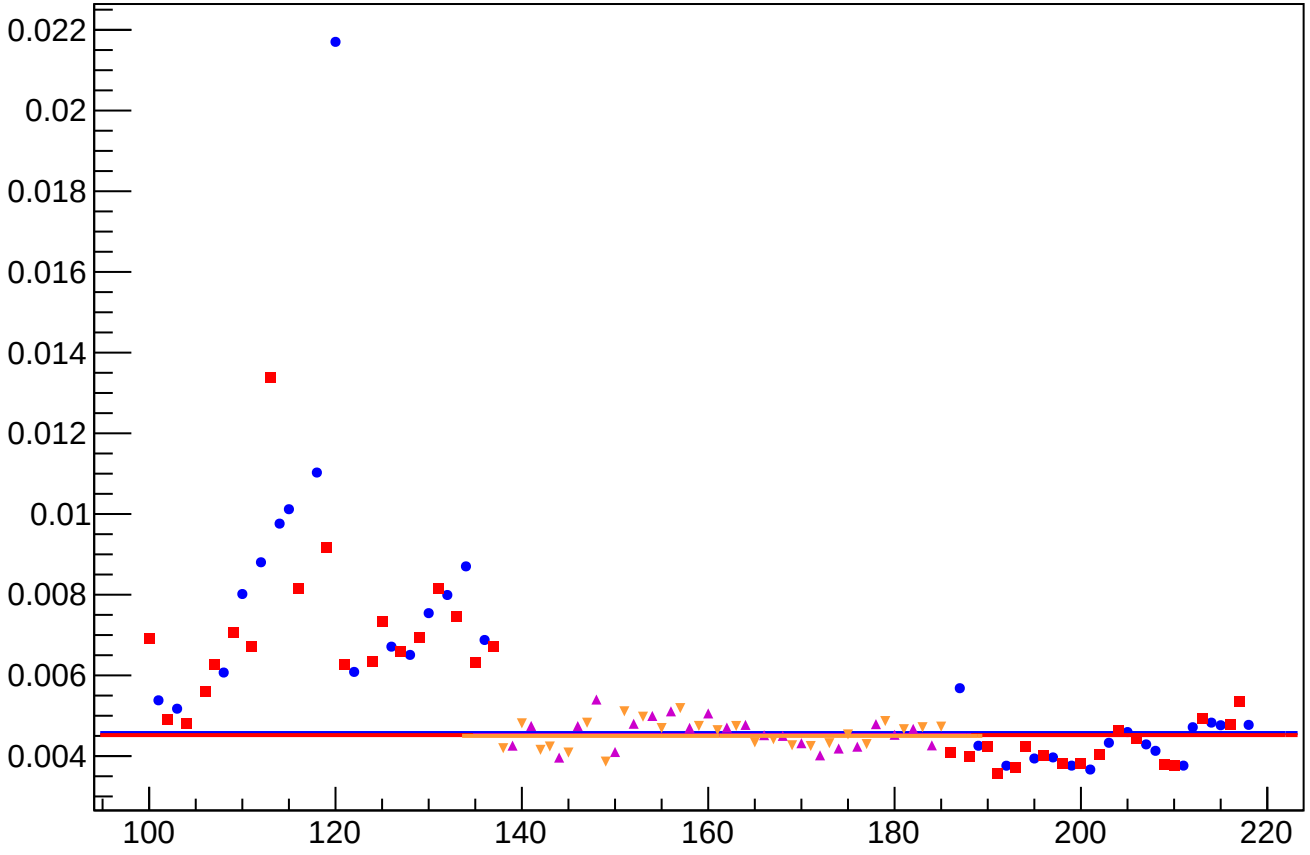
+ sign 0.006+/-0.000 χ^2/NDF: 3965500.8/56

All: 0.006+/-0.000 χ^2/NDF: 8318539.2/115

- sign 0.006+/-0.000 χ^2/NDF: 4318959.1/58


yield_bpm0i05Y_mean vs Slug
−0.5
−1
−1.5
−2
−2.5
100
120
140
160
180
200
220
Right In: -1.197+/-0.000 χ²/NDF: 27680583973.7/31
Left Out: -0.454+/-0.000 χ²/NDF:29096412438.0/24
Right Out: -1.234+/-0.000 χ²/NDF: 72816454247.3/35
Left In: -0.437+/-0.000 χ²/NDF:16544160360.6/22
+ sign -0.811+/-0.000 χ²/NDF: 287764870767.1/56
All: -0.827+/-0.000 χ²/NDF: 642326634808.9
- sign -0.844+/-0.000 χ²/NDF: 353651603373.5/58

yield_bpm0i05Y_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF: 2258812.8/31

Left Out: 0.005+/-0.000 χ^2/NDF:189230.5/24

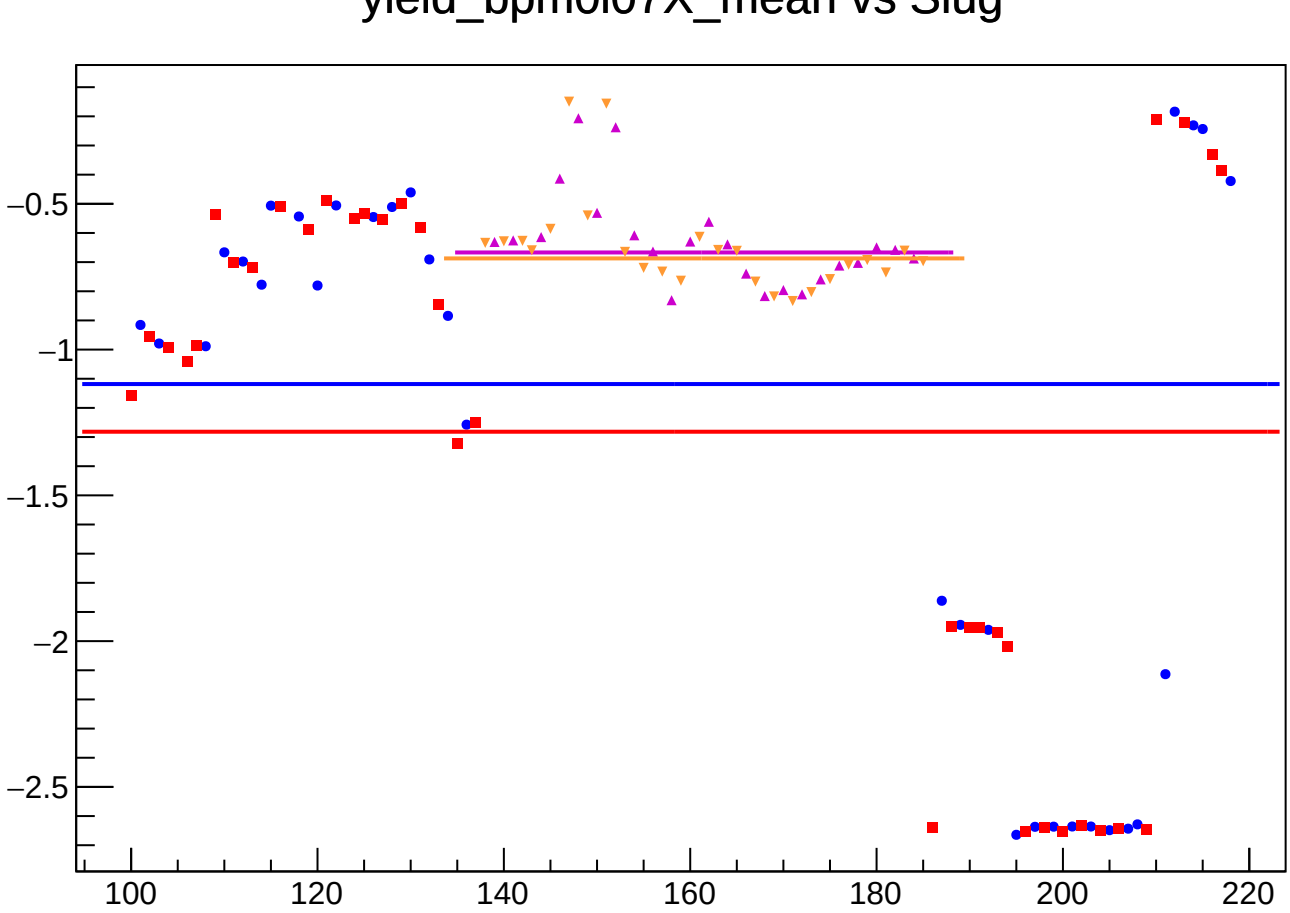
Right Out: 0.005+/-0.000 χ^2/NDF: 2025589.1/35

Left In: 0.005+/-0.000 χ^2/NDF:212056.7/22

+ sign 0.005+/-0.000 χ^2/NDF: 2452164.3/56

All: 0.005+/-0.000 χ^2/NDF: 4690156.9/115

- sign 0.005+/-0.000 χ^2/NDF: 2237645.9/58



Right In: -1.118+/-0.000 χ^2/NDF: 626571748572.9/31

Left Out: -0.687+/-0.000 χ^2/NDF:22462821855.7/24

Right Out: -1.282+/-0.000 χ^2/NDF: 745375161408.7/35

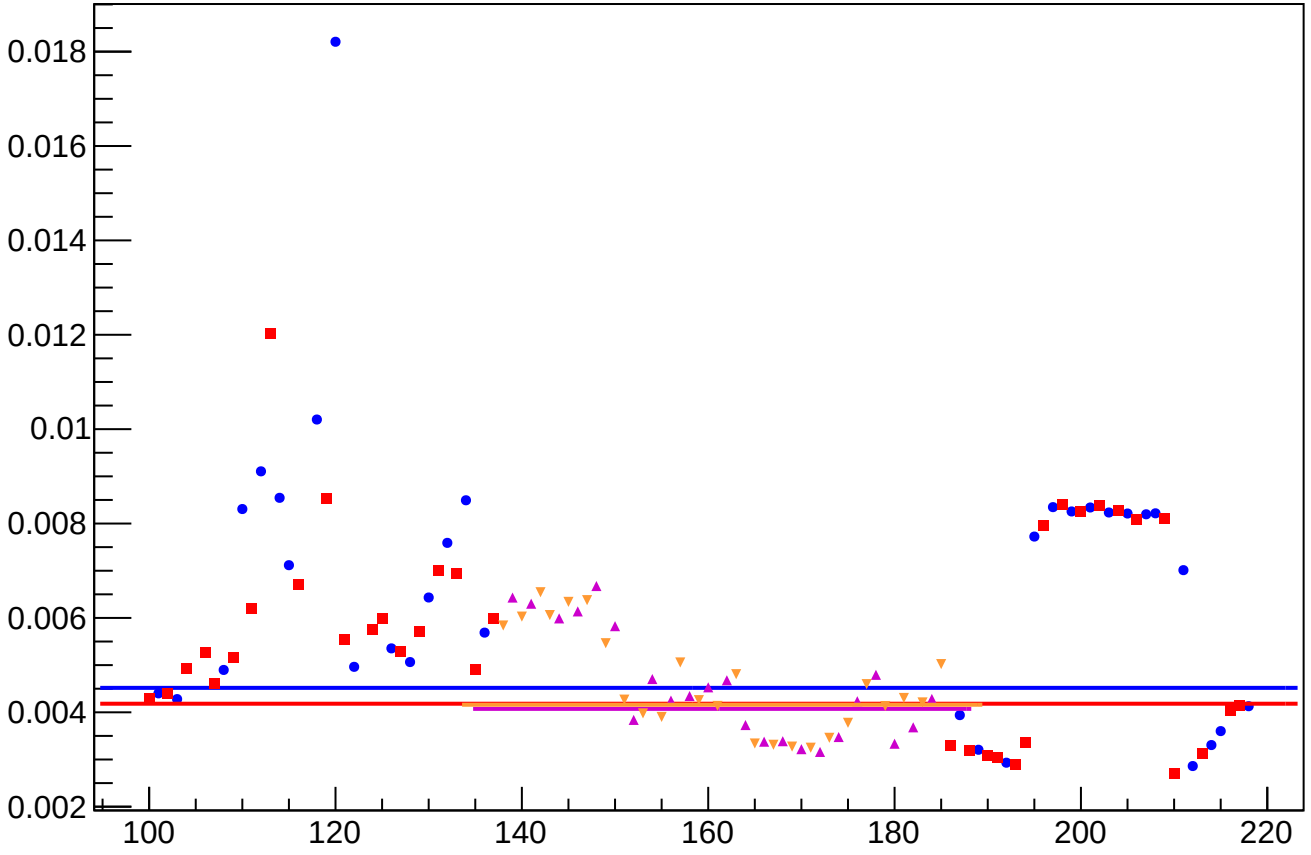
Left In: -0.667+/-0.000 χ^2/NDF:22531477329.1/22

+ sign -0.879+/-0.000 χ^2/NDF: 728709215064.5/56

All: -0.927+/-0.000 χ^2/NDF: 1682460578083

- sign -0.971+/-0.000 χ^2/NDF: 946043885400.1/58

yield_bpm0i07X_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF: 5867367.5/31

Left Out: 0.004+/-0.000 χ^2/NDF:1520055.0/24

Right Out: 0.004+/-0.000 χ^2/NDF: 5567168.7/35

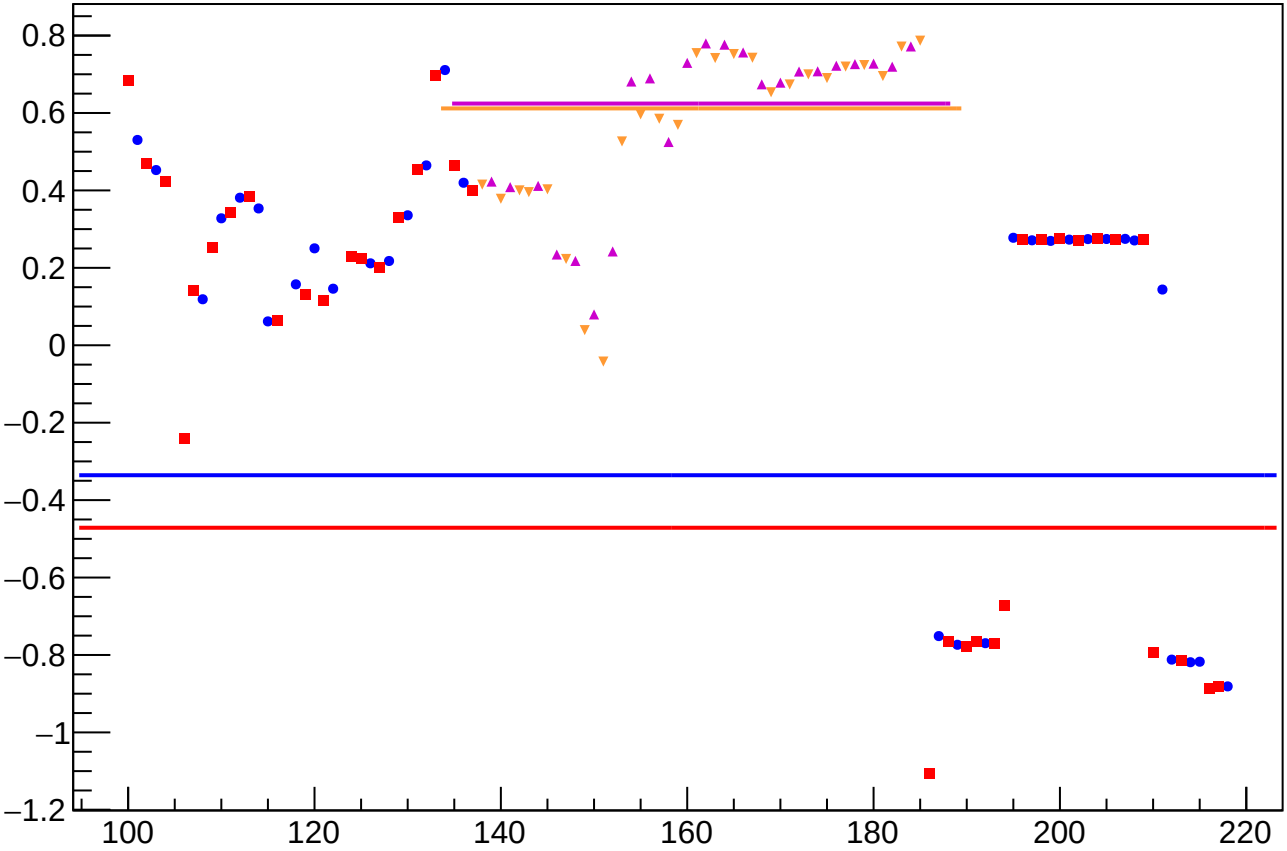
Left In: 0.004+/-0.000 χ^2/NDF:1750303.9/22

+ sign 0.004+/-0.000 χ^2/NDF: 7497210.0/56

All: 0.004+/-0.000 χ^2/NDF: 14893058.3/115

- sign 0.004+/-0.000 χ^2/NDF: 7328736.5/58

yield_bpm0i07Y_mean vs Slug



Right In: -0.336+/-0.000 χ^2/NDF: 531803943037.0/31

Left Out: 0.612+/-0.000 χ^2/NDF:45742599949.2/24

Right Out: -0.471+/-0.000 χ^2/NDF: 629701030295.7/35

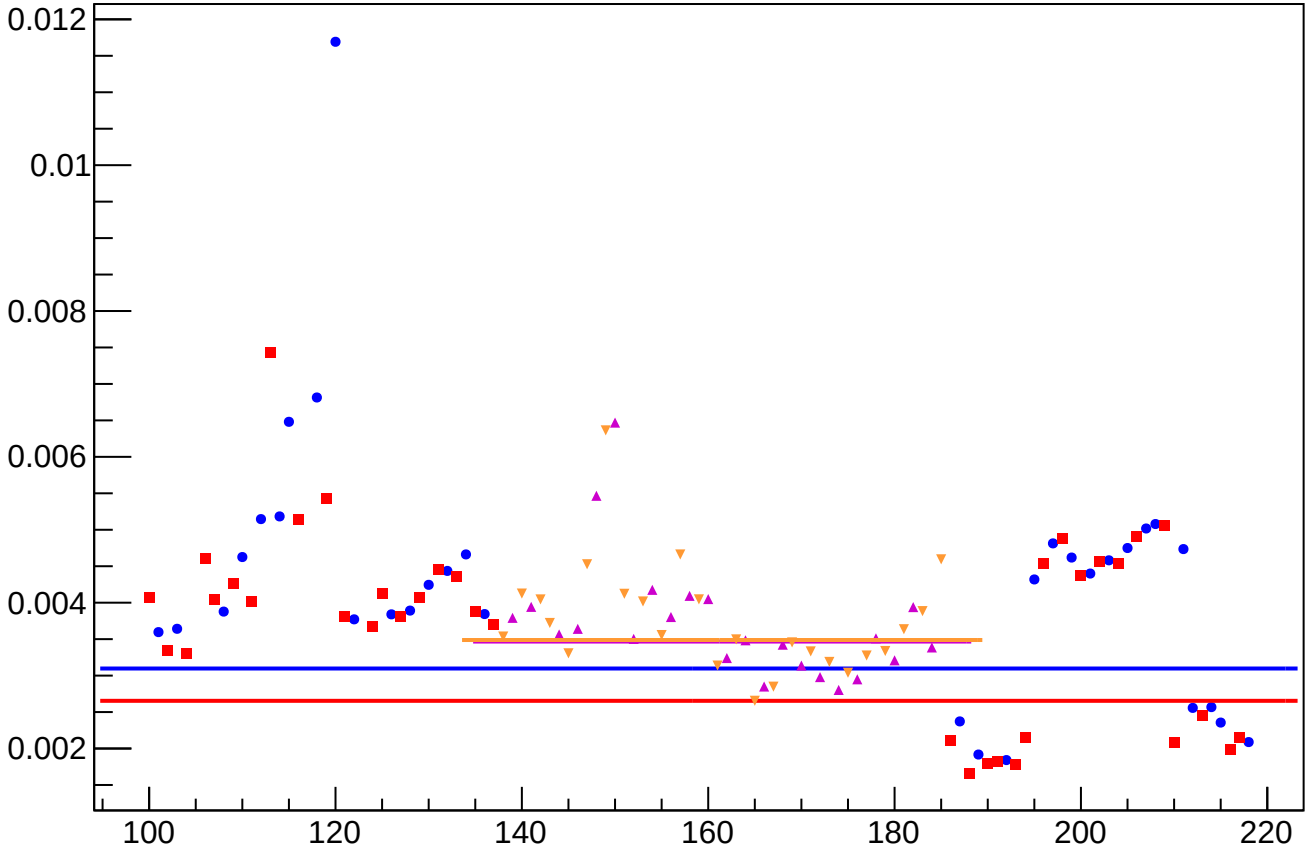
Left In: 0.624+/-0.000 χ^2/NDF:40353141115.4/22

+ sign 0.079+/-0.000 χ^2/NDF: 1242659878578.8/56

All: -0.007+/-0.000 χ^2/NDF: 2933080746409

- sign -0.081+/-0.000 χ^2/NDF: 1648655372092.8/58

yield_bpm0i07Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 4862907.7/31

Left Out: 0.003+/-0.000 χ^2/NDF:850746.8/24

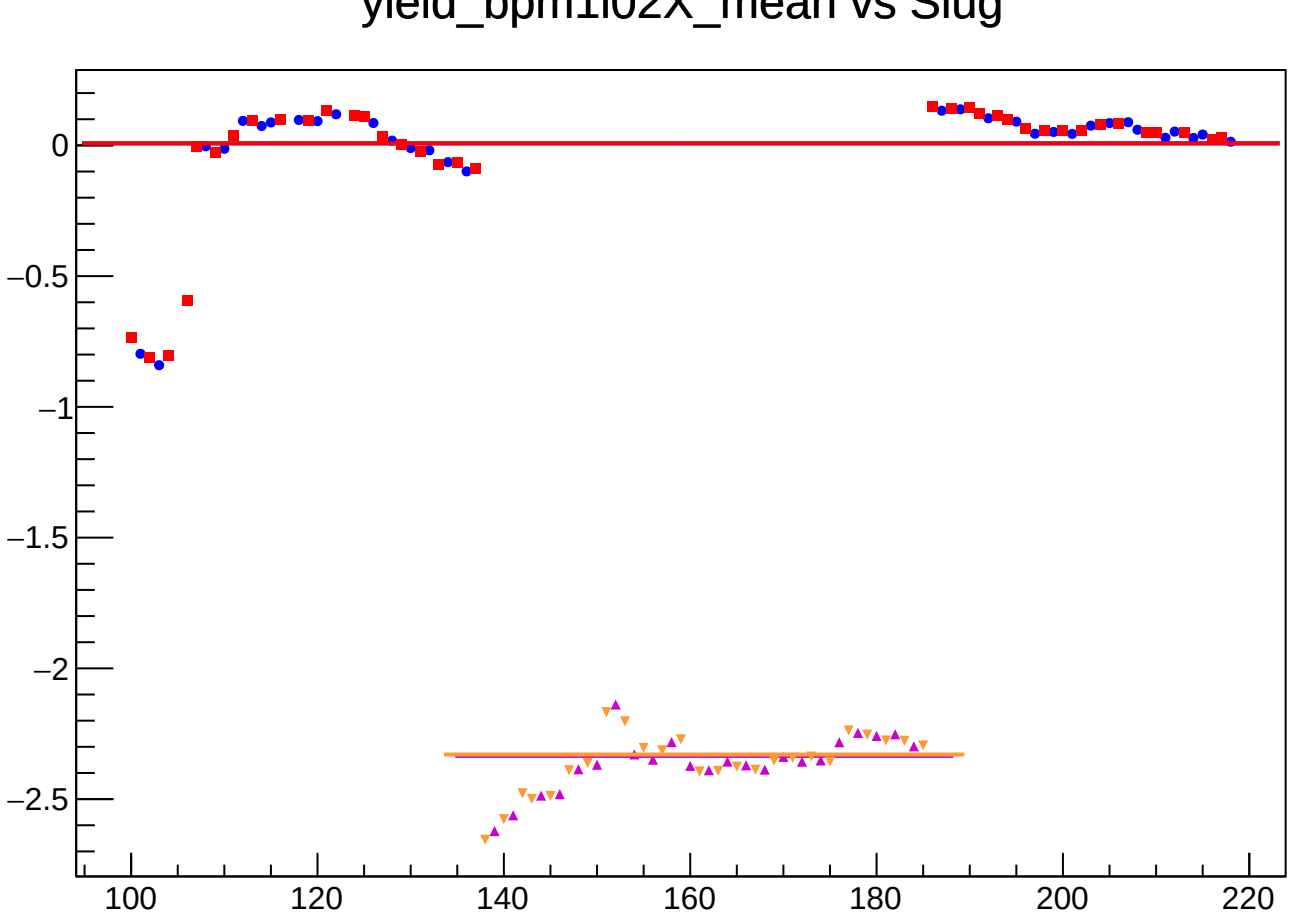
Right Out: 0.003+/-0.000 χ^2/NDF: 5724410.6/35

Left In: 0.003+/-0.000 χ^2/NDF:894124.0/22

+ sign 0.003+/-0.000 χ^2/NDF: 5939964.5/56

All: 0.003+/-0.000 χ^2/NDF: 13978542.3/115

- sign 0.003+/-0.000 χ^2/NDF: 7695390.5/58



Right In: 0.008+/-0.000 χ^2/NDF: 6576767917.1/31

Left Out: -2.329+/-0.000 χ^2/NDF:1982733526.8/24

Right Out: 0.008+/-0.000 χ^2/NDF: 7840905089.5/35

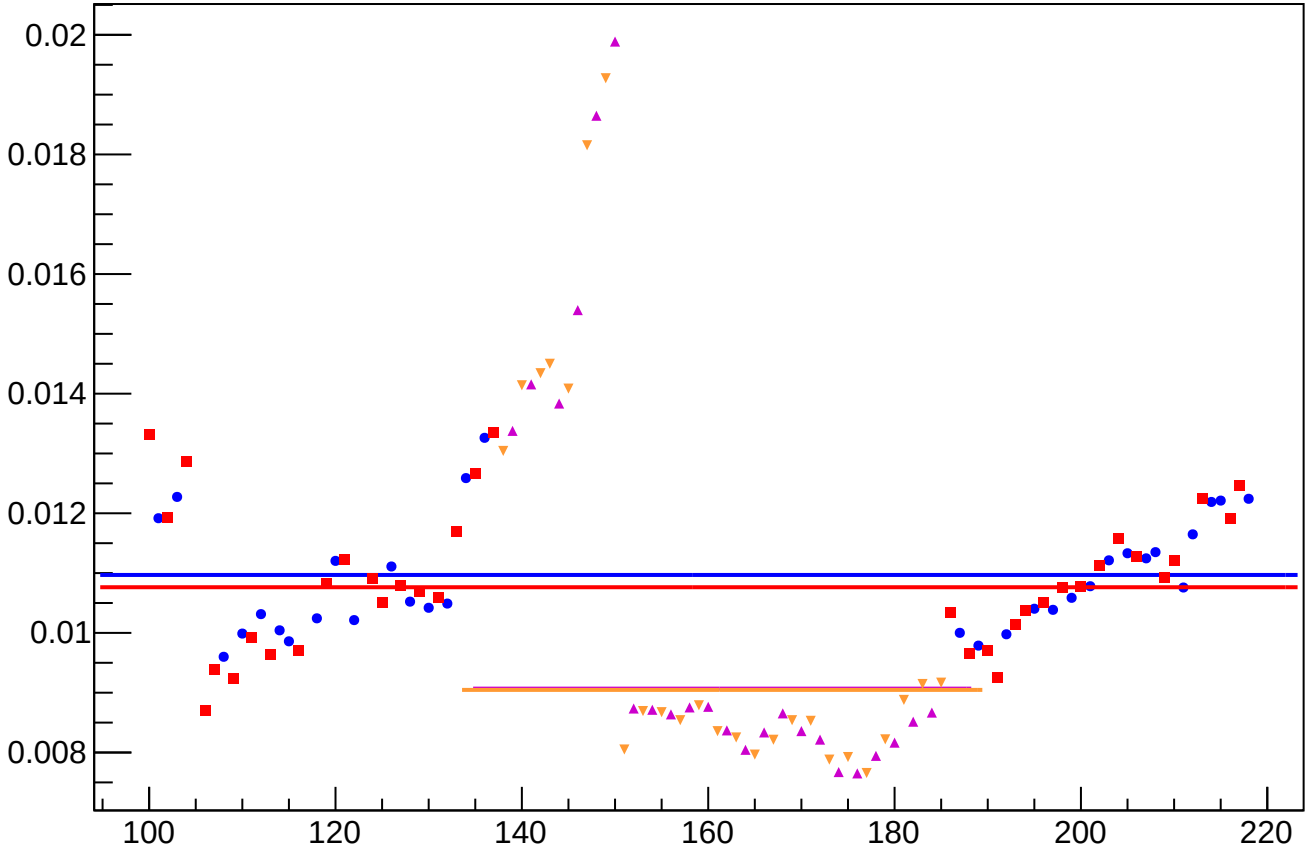
Left In: -2.335+/-0.000 χ^2/NDF:1676703216.8/22

+ sign -1.332+/-0.000 χ^2/NDF: 526582909218.6/56

All: -1.298+/-0.000 χ^2/NDF: 1060270222383

- sign -1.264+/-0.000 χ^2/NDF: 532800076322.2/58

yield_bpm1i02X_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF: 256074.9/31

Left Out: 0.009+/-0.000 χ^2/NDF:2048729.6/24

Right Out: 0.011+/-0.000 χ^2/NDF: 340752.8/35

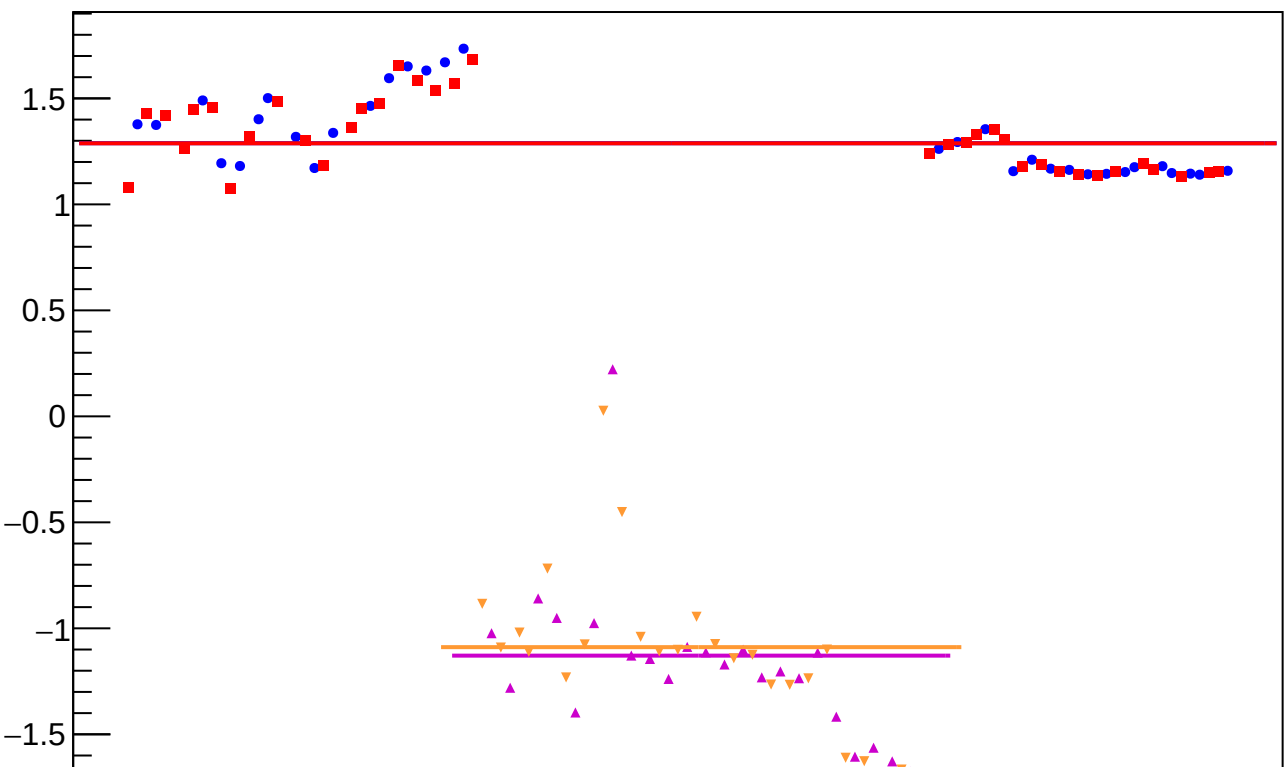
Left In: 0.009+/-0.000 χ^2/NDF:2134207.9/22

+ sign 0.010+/-0.000 χ^2/NDF: 3005434.8/56

All: 0.010+/-0.000 χ^2/NDF: 6028942.9/115

- sign 0.010+/-0.000 χ^2/NDF: 3023281.3/58

yield_bpm1i02Y_mean vs Slug



Right In: 1.289+/-0.000 χ^2/NDF: 9709213494.1/31

Left Out: -1.089+/-0.000 χ^2/NDF:61255304912.3/24

Right Out: 1.288+/-0.000 χ^2/NDF: 7550937535.8/35

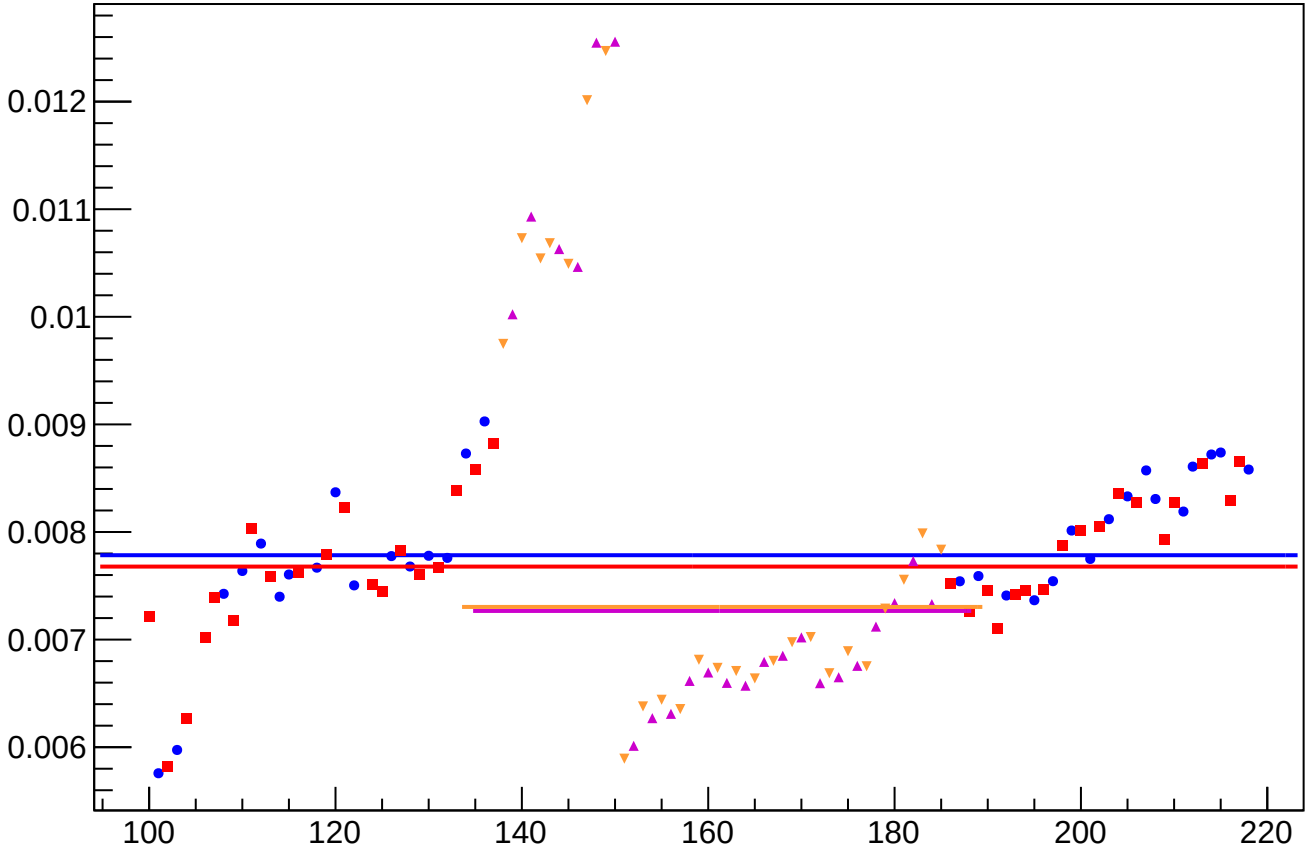
Left In: -1.129+/-0.000 χ^2/NDF:58876825364.1/22

+ sign 0.067+/-0.000 χ^2/NDF: 1022391432430.5/56

All: 0.087+/-0.000 χ^2/NDF: 2077677738675.

- sign 0.107+/-0.000 χ^2/NDF: 1054730865068.8/58

yield_bpm1i02Y_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF: 444429.8/31

Left Out: 0.007+/-0.000 χ^2/NDF:1504103.4/24

Right Out: 0.008+/-0.000 χ^2/NDF: 336119.4/35

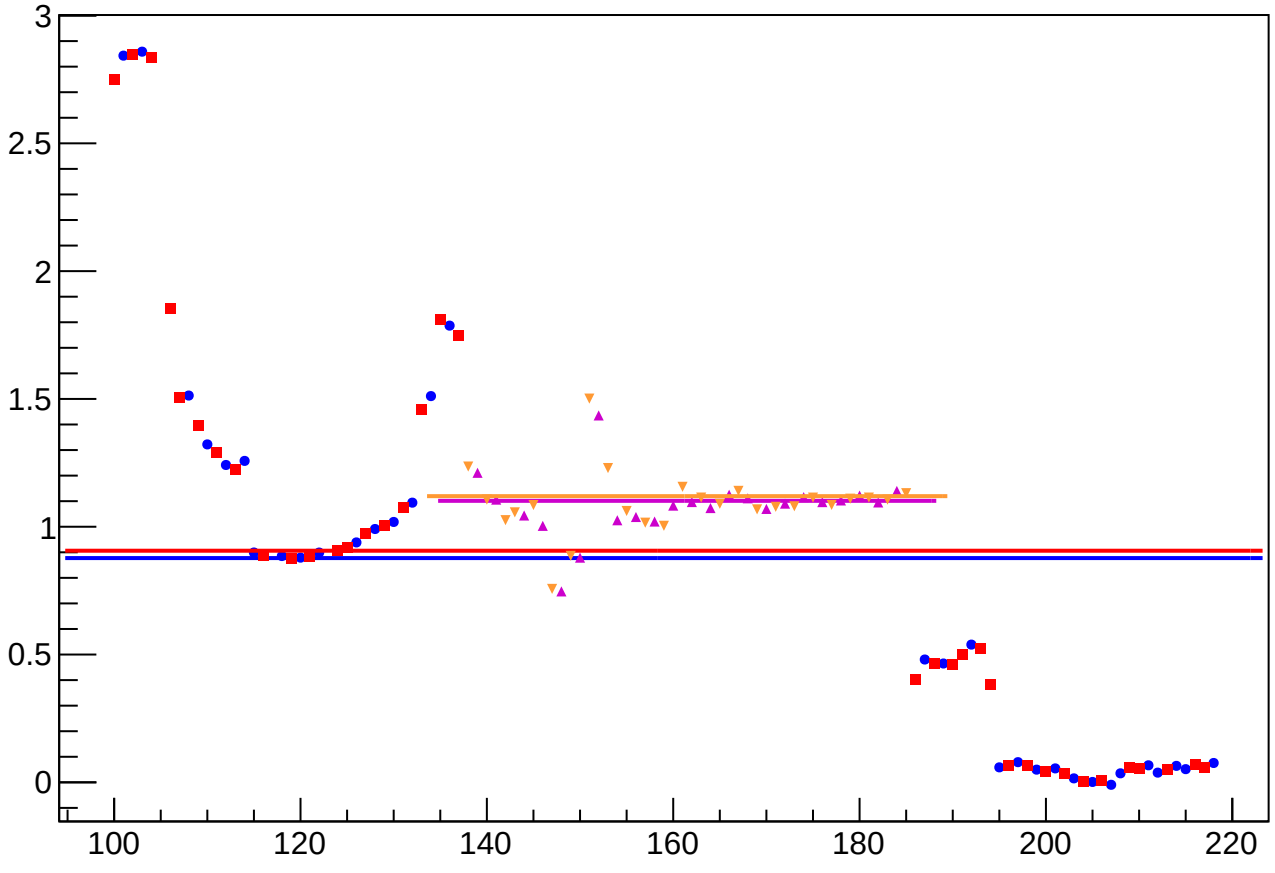
Left In: 0.007+/-0.000 χ^2/NDF:1560089.8/22

+ sign 0.008+/-0.000 χ^2/NDF: 2026329.5/56

All: 0.008+/-0.000 χ^2/NDF: 3982486.3/115

- sign 0.007+/-0.000 χ^2/NDF: 1953719.7/58

yield_bpm1i04X_mean vs Slug



Right In: 0.877+/-0.000 χ^2/NDF: 161234060064.7/31

Left Out: 1.120+/-0.000 χ^2/NDF:5515079117.9/24

Right Out: 0.906+/-0.000 χ^2/NDF: 155136400426.5/35

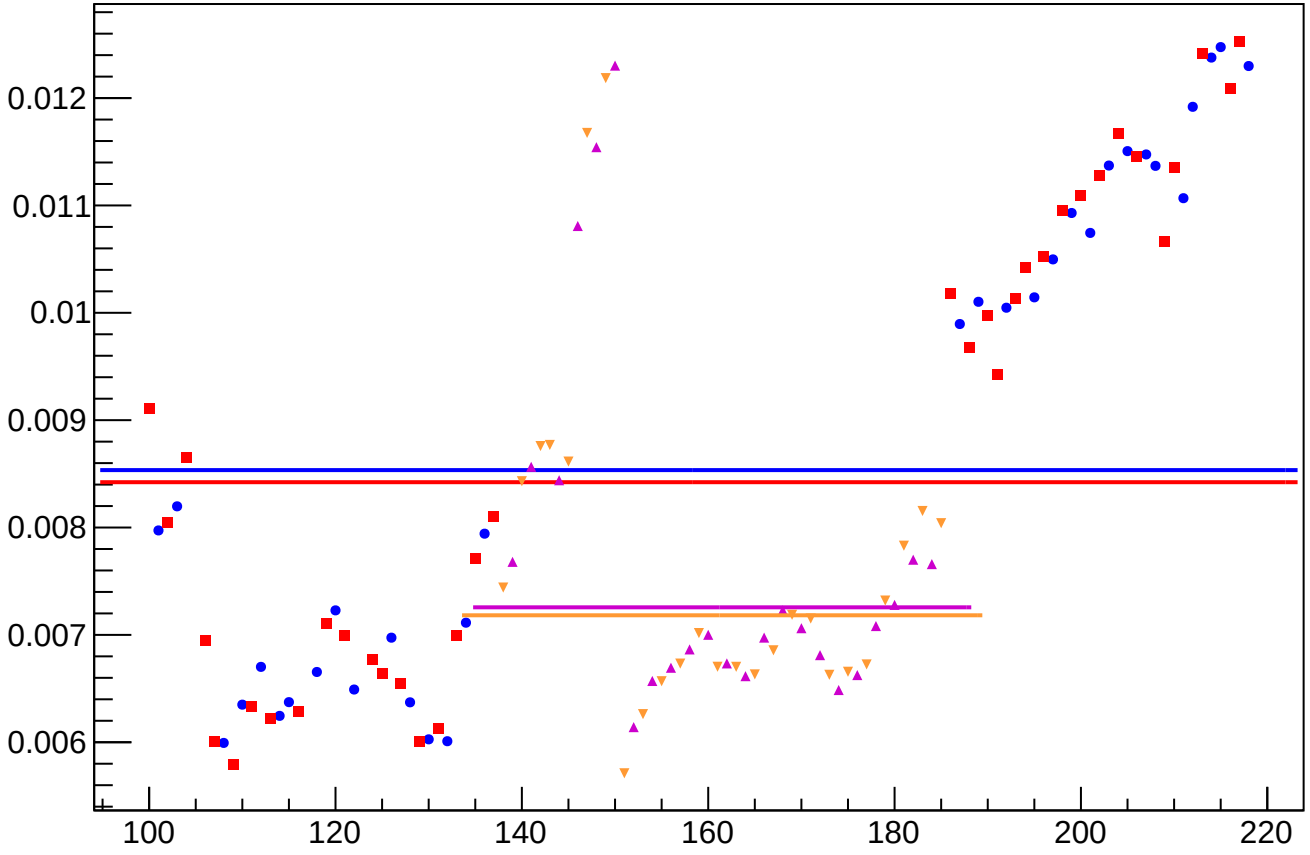
Left In: 1.101+/-0.000 χ^2/NDF:4201972548.8/22

+ sign 1.018+/-0.000 χ^2/NDF: 175535782217.9/56

All: 1.016+/-0.000 χ^2/NDF: 340568465166.2

- sign 1.014+/-0.000 χ^2/NDF: 165026338238.3/58

yield_bpm1i04X_rms vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 2613373.7/31

Left Out: 0.007+/-0.000 χ^2/NDF:893807.0/24

Right Out: 0.008+/-0.000 χ^2/NDF: 2649831.4/35

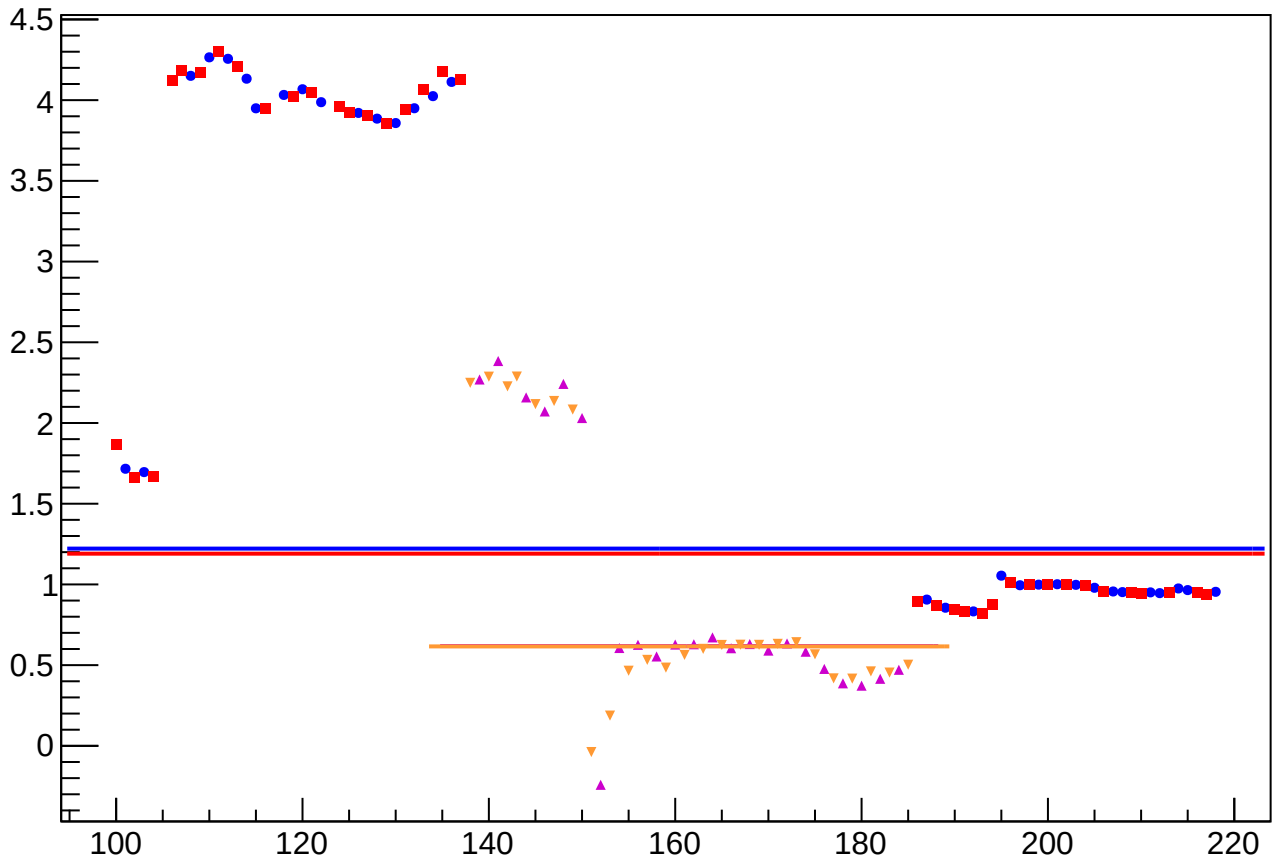
Left In: 0.007+/-0.000 χ^2/NDF:916696.6/22

+ sign 0.008+/-0.000 χ^2/NDF: 4054710.7/56

All: 0.008+/-0.000 χ^2/NDF: 8027552.4/115

- sign 0.008+/-0.000 χ^2/NDF: 3972231.9/58

yield_bpm1i04Y_mean vs Slug



Right In: 1.222+/-0.000 χ^2/NDF: 1646872844092.7/31

Left Out: 0.616+/-0.000 χ^2/NDF:251940630795.3/24

Right Out: 1.191+/-0.000 χ^2/NDF: 1805427257250.6/35

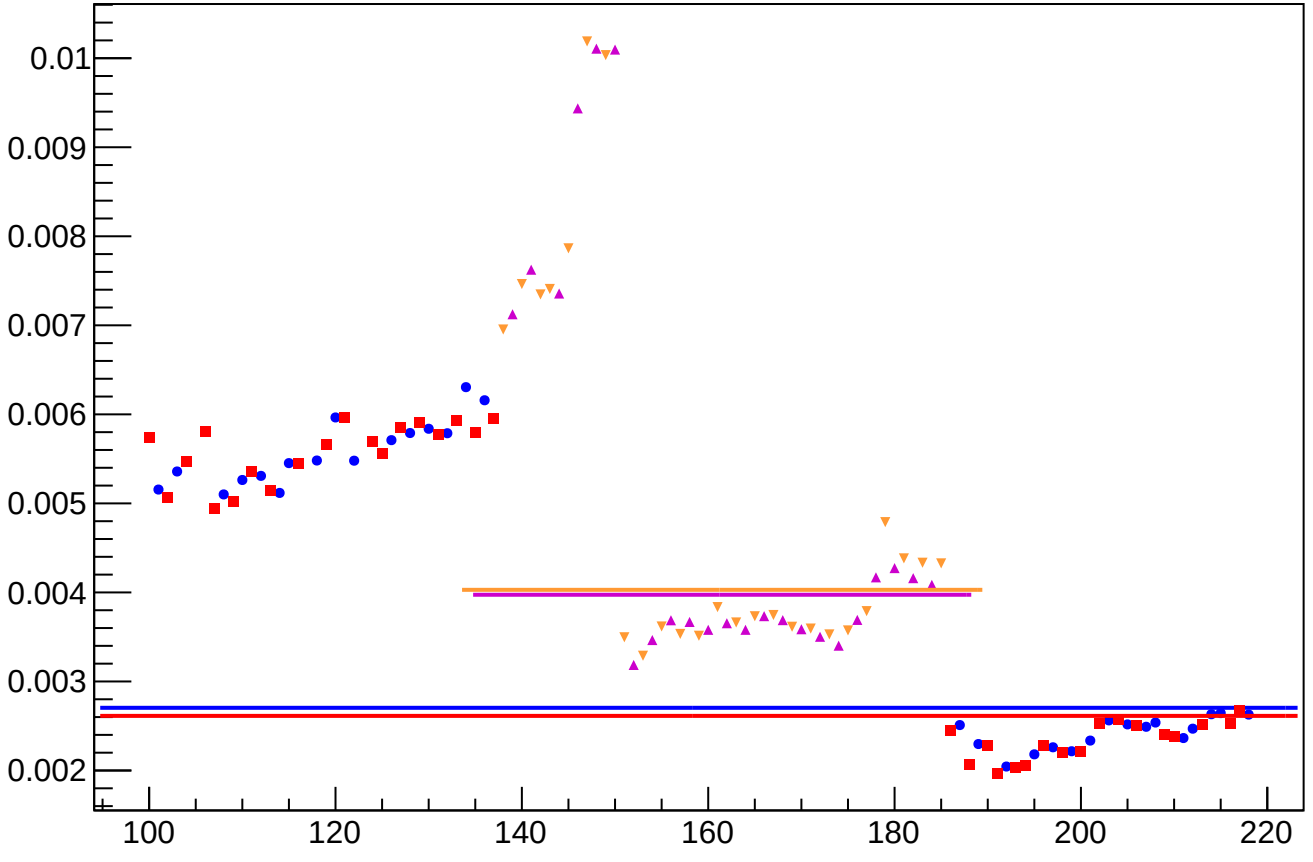
Left In: 0.618+/-0.000 χ^2/NDF:254248143278.9/22

+ sign 1.032+/-0.000 χ^2/NDF: 2165173985105.8/56

All: 1.029+/-0.000 χ^2/NDF: 4464118361706.

- sign 1.025+/-0.000 χ^2/NDF: 2298858745898.7/58

yield_bpm1i04Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 4427523.5/31

Left Out: 0.004+/-0.000 χ^2/NDF:2965028.8/24

Right Out: 0.003+/-0.000 χ^2/NDF: 4715235.5/35

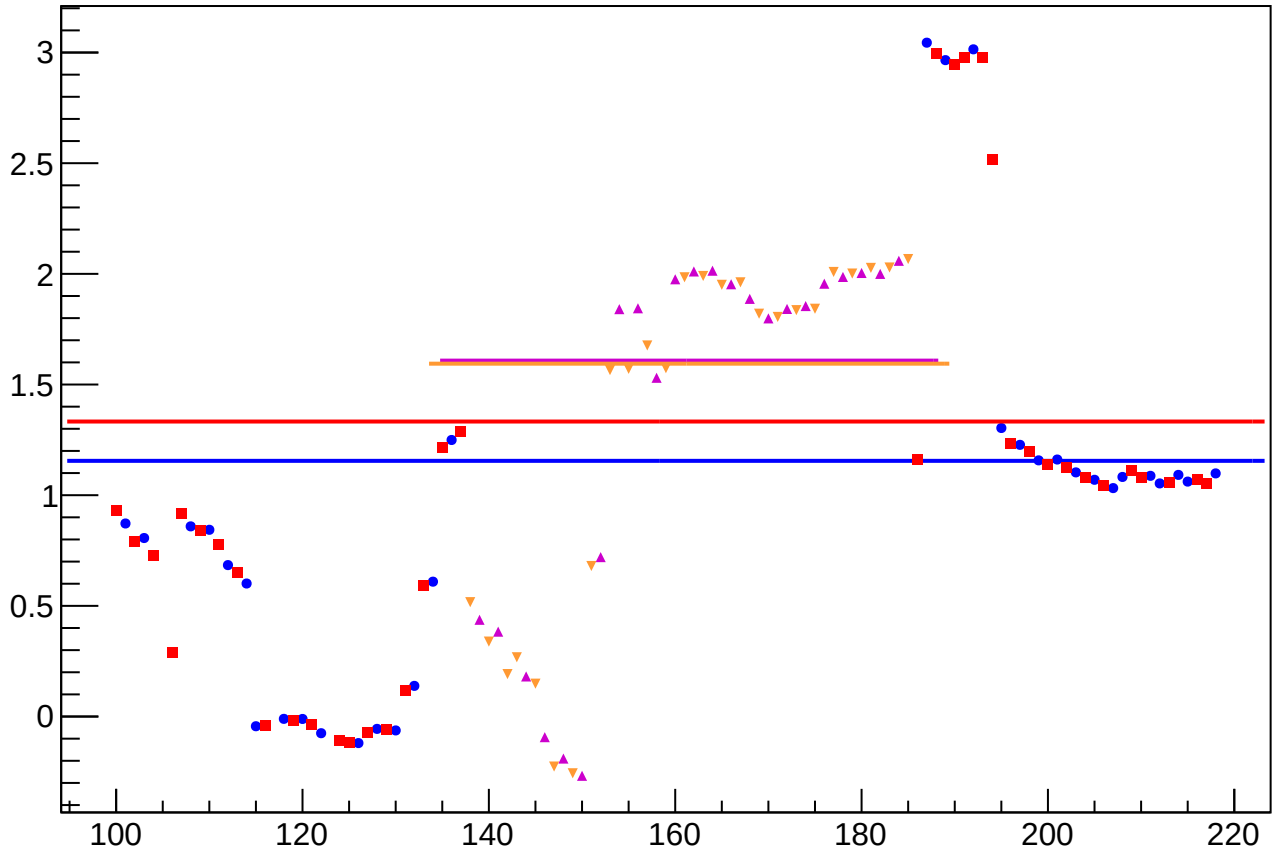
Left In: 0.004+/-0.000 χ^2/NDF:3121901.5/22

+ sign 0.003+/-0.000 χ^2/NDF: 9940665.5/56

All: 0.003+/-0.000 χ^2/NDF: 20525150.3/115

- sign 0.003+/-0.000 χ^2/NDF: 10540652.4/58

yield_bpm1i06X_mean vs Slug



Right In: 1.155+/-0.000 χ^2/NDF: 77927598087.5/31

Left Out: 1.594+/-0.000 χ^2/NDF:62632055963.2/24

Right Out: 1.333+/-0.000 χ^2/NDF: 107520823423.8/35

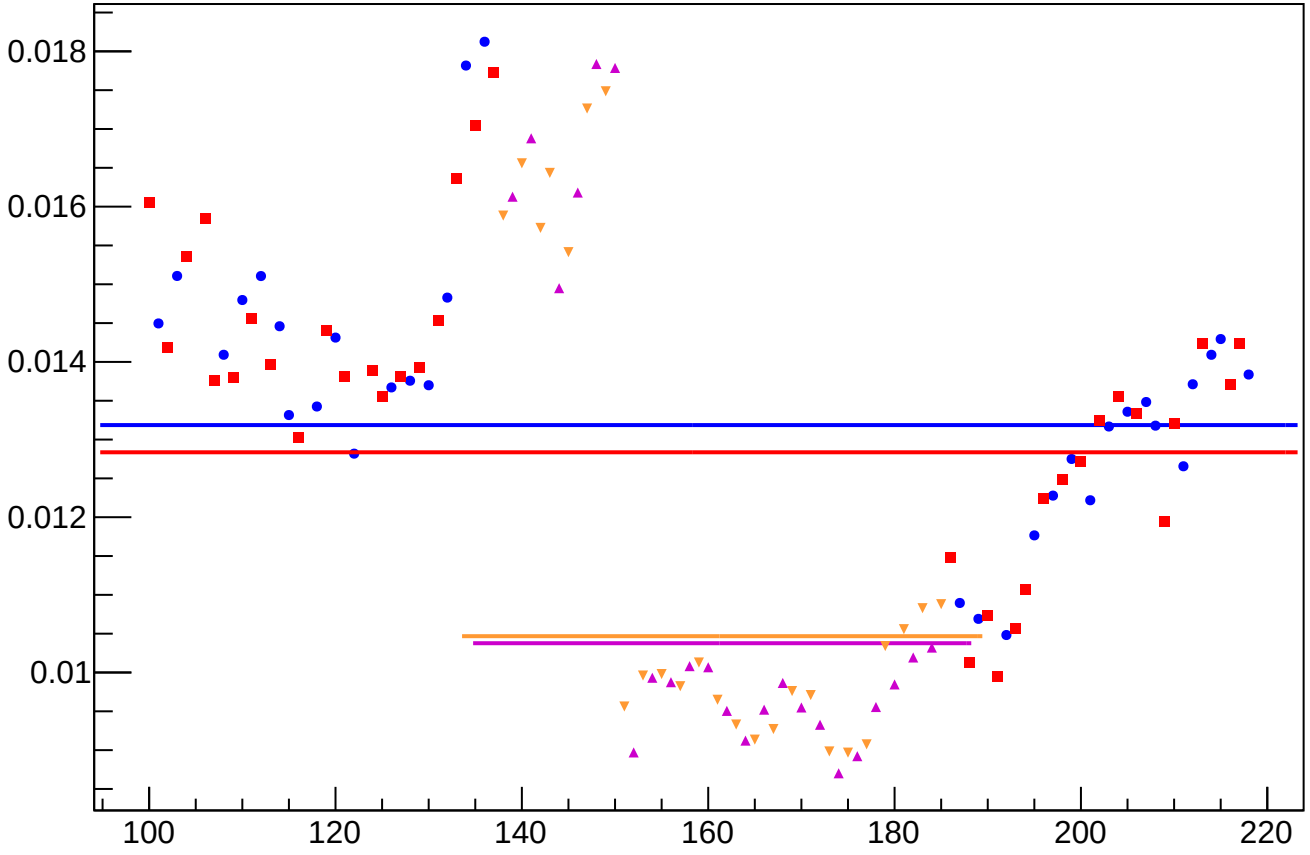
Left In: 1.608+/-0.000 χ^2/NDF:66403809503.4/22

+ sign 1.417+/-0.000 χ^2/NDF: 153551693019.7/56

All: 1.453+/-0.000 χ^2/NDF: 333454215517.5

- sign 1.490+/-0.000 χ^2/NDF: 179158535662.1/58

yield_bpm1i06X_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF: 535801.1/31

Left Out: 0.010+/-0.000 χ^2/NDF:1661211.8/24

Right Out: 0.013+/-0.000 χ^2/NDF: 659624.4/35

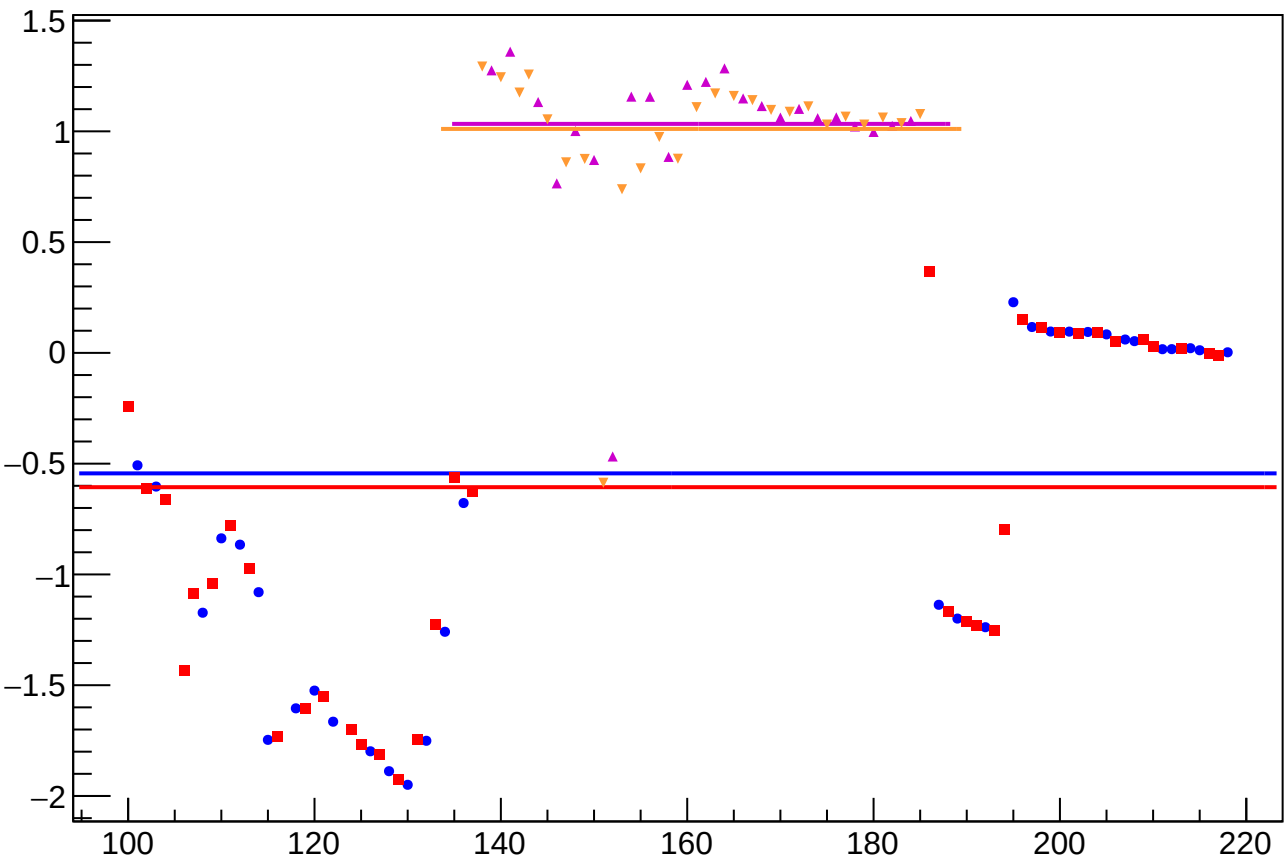
Left In: 0.010+/-0.000 χ^2/NDF:1710541.0/22

+ sign 0.012+/-0.000 χ^2/NDF: 3193739.7/56

All: 0.012+/-0.000 χ^2/NDF: 6404609.7/115

- sign 0.011+/-0.000 χ^2/NDF: 3206050.0/58

yield_bpm1i06Y_mean vs Slug



Right In: -0.544+/-0.000 χ^2/NDF: 218203663121.3/31

Left Out: 1.011+/-0.000 χ^2/NDF:111188616245.0/24

Right Out: -0.606+/-0.000 χ^2/NDF: 205573831767.0/35

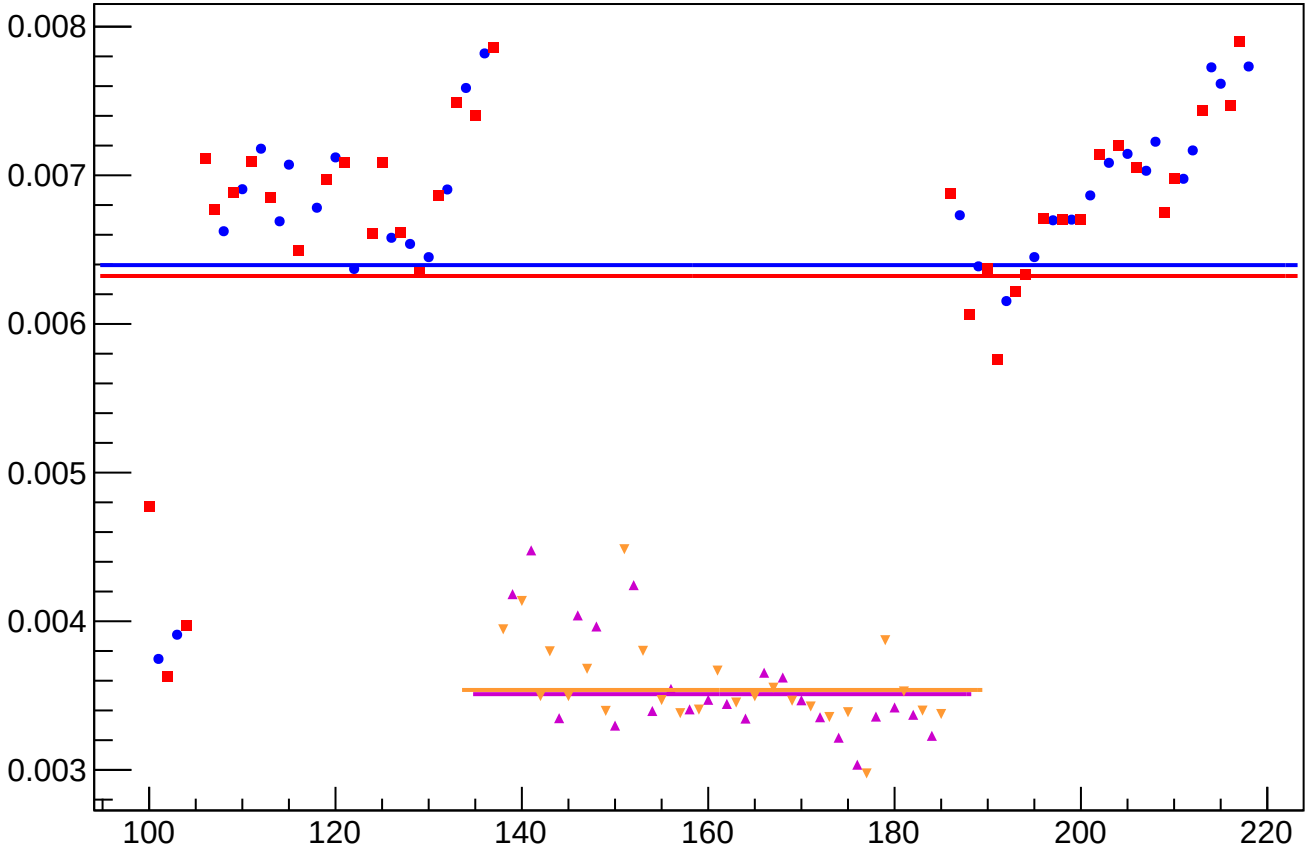
Left In: 1.034+/-0.000 χ^2/NDF:125385050389.9/22

+ sign 0.631+/-0.000 χ^2/NDF: 1159282957043.9/56

All: 0.619+/-0.000 χ^2/NDF: 2434462276822.

- sign 0.606+/-0.000 χ^2/NDF: 1274601000284.9/58

yield_bpm1i06Y_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF: 1416723.4/31

Left Out: 0.004+/-0.000 χ^2/NDF:215725.1/24

Right Out: 0.006+/-0.000 χ^2/NDF: 1406956.4/35

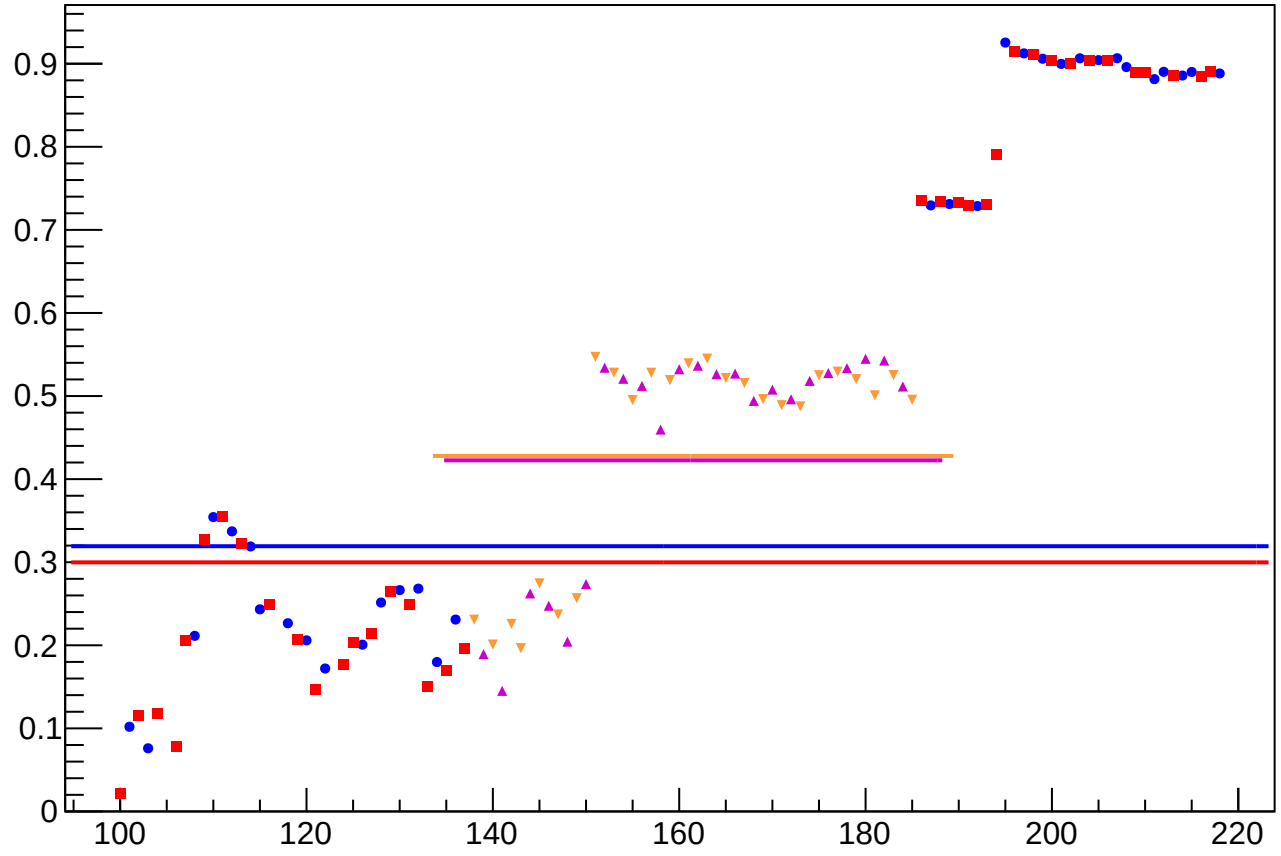
Left In: 0.004+/-0.000 χ^2/NDF:284960.7/22

+ sign 0.004+/-0.000 χ^2/NDF: 7241275.6/56

All: 0.004+/-0.000 χ^2/NDF: 14487887.4/115

- sign 0.004+/-0.000 χ^2/NDF: 7246518.1/58

yield_bpm2i01X_mean vs Slug



Right In: 0.319+/-0.000 χ^2/NDF: 247993276061.7/31

Left Out: 0.428+/-0.000 χ^2/NDF:153820853539.2/24

Right Out: 0.300+/-0.000 χ^2/NDF: 258587703437.1/35

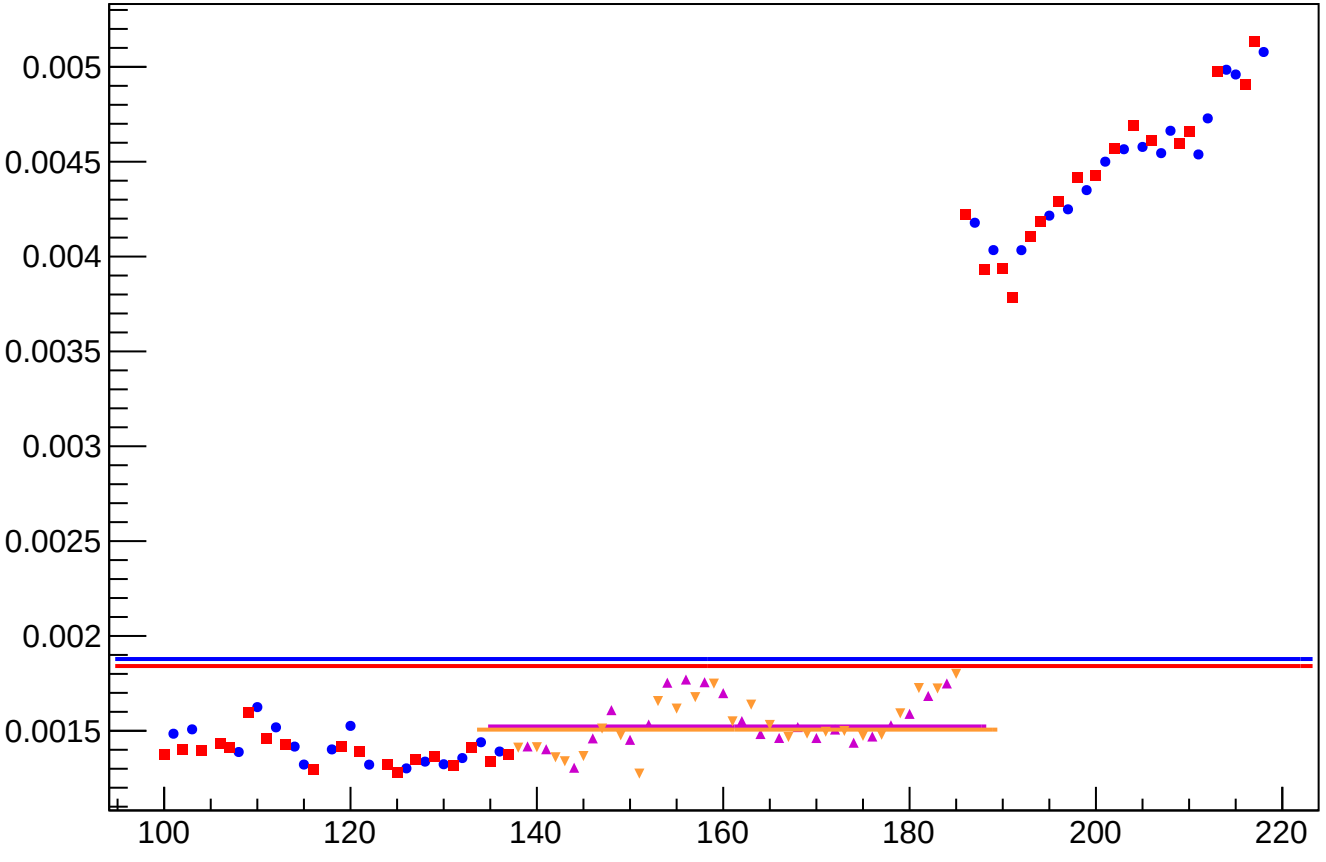
Left In: 0.423+/-0.000 χ^2/NDF:158122093061.2/22

+ sign 0.392+/-0.000 χ^2/NDF: 434573068581.3/56

All: 0.385+/-0.000 χ^2/NDF: 895184774322.1

- sign 0.378+/-0.000 χ^2/NDF: 459360383319.6/58

yield_bpm2i01X_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 10422161.9/31

Left Out: 0.002+/-0.000 χ^2/NDF:278895.8/24

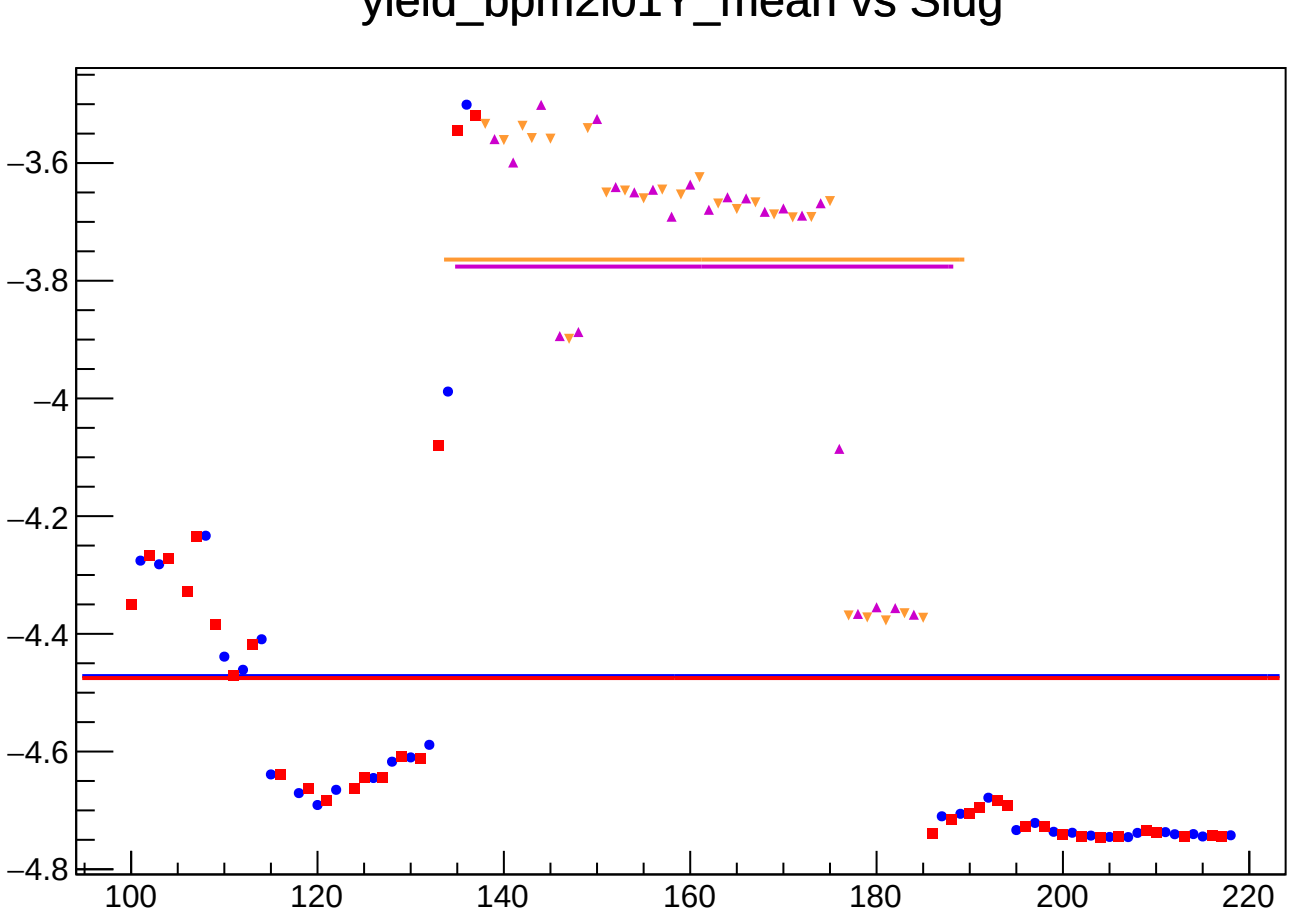
Right Out: 0.002+/-0.000 χ^2/NDF: 10634677.5/35

Left In: 0.002+/-0.000 χ^2/NDF:234679.9/22

+ sign 0.002+/-0.000 χ^2/NDF: 11469318.6/56

All: 0.002+/-0.000 χ^2/NDF: 22913737.7/115

- sign 0.002+/-0.000 χ^2/NDF: 11443187.0/58



Right In: -4.472+/-0.000 χ^2/NDF: 454084366654.0/31

Left Out: -3.764+/-0.000 χ^2/NDF:483461311370.8/24

Right Out: -4.475+/-0.000 χ^2/NDF: 400083413171.4/35

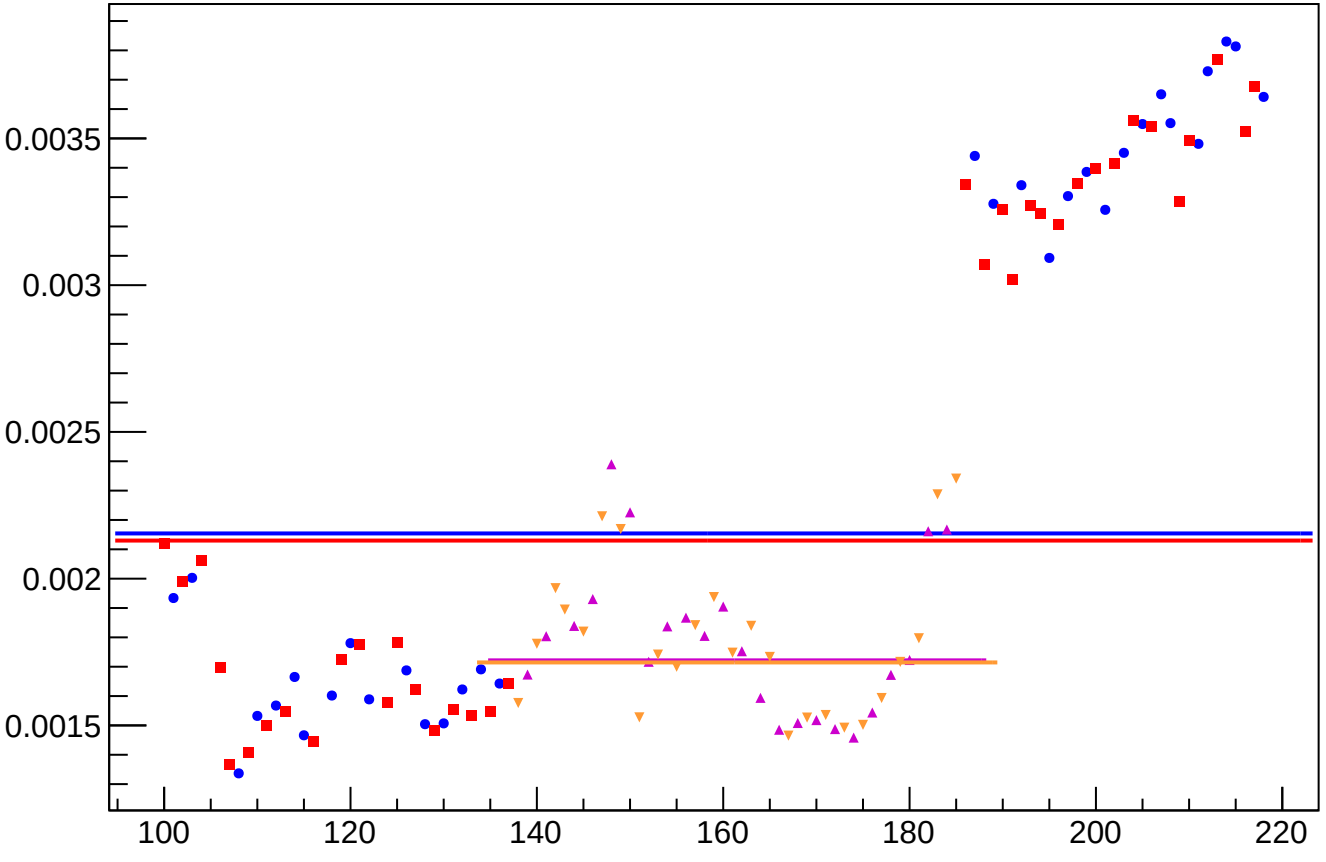
Left In: -3.776+/-0.000 χ^2/NDF:402659987166.3/22

+ sign -4.025+/-0.000 χ^2/NDF: 2101536024553.0/5

All: -4.039+/-0.000 χ^2/NDF: 4056600117708

- sign -4.053+/-0.000 χ^2/NDF: 1951101894017.3/58

yield_bpm2i01Y_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 5412100.6/31

Left Out: 0.002+/-0.000 χ^2/NDF:562338.1/24

Right Out: 0.002+/-0.000 χ^2/NDF: 5329446.4/35

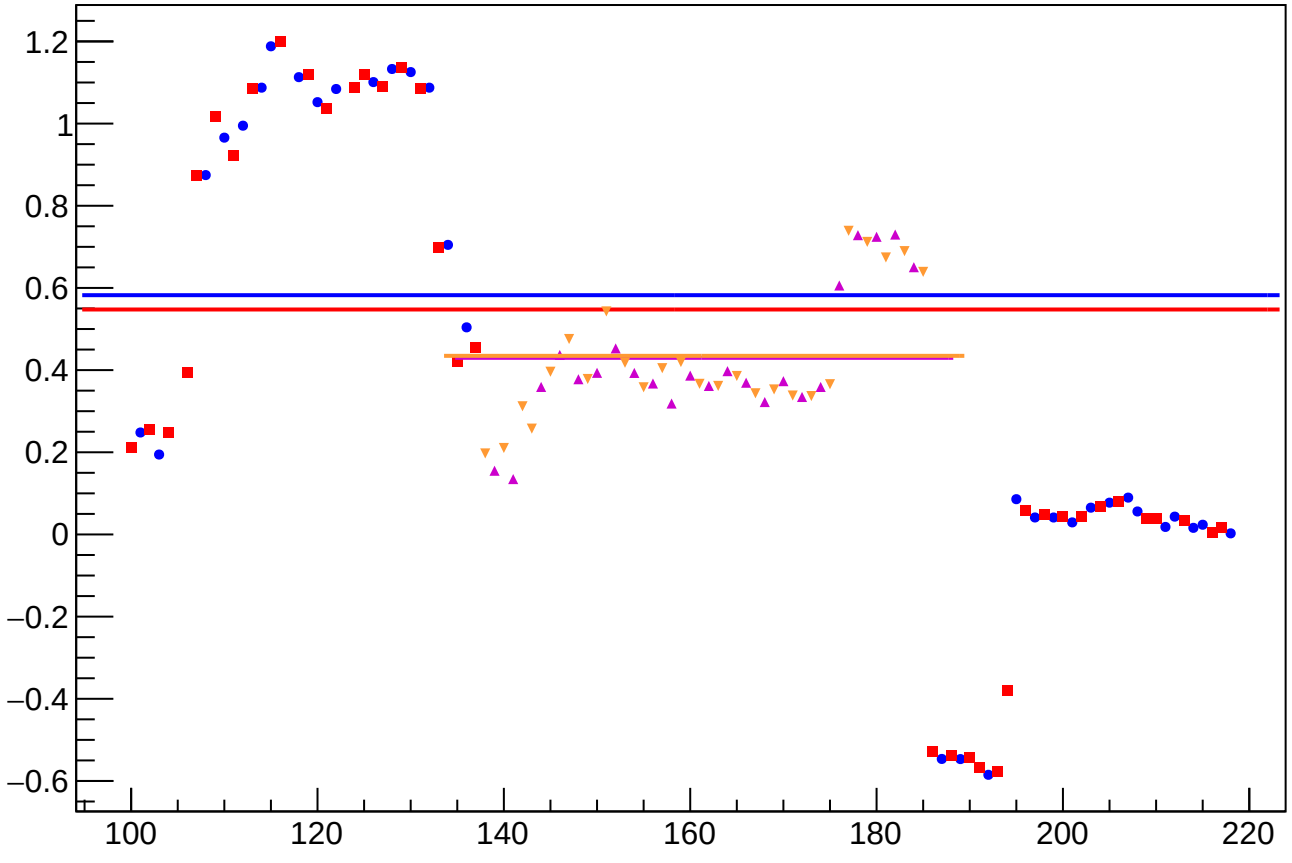
Left In: 0.002+/-0.000 χ^2/NDF:581878.6/22

+ sign 0.002+/-0.000 χ^2/NDF: 6872155.8/56

All: 0.002+/-0.000 χ^2/NDF: 13566787.0/115

- sign 0.002+/-0.000 χ^2/NDF: 6694158.7/58

yield_bpm2i02X_mean vs Slug



Right In: 0.582+/-0.000 χ^2/NDF: 77472552710.7/31

Left Out: 0.435+/-0.000 χ^2/NDF:8515333254.7/24

Right Out: 0.548+/-0.000 χ^2/NDF: 94684996354.4/35

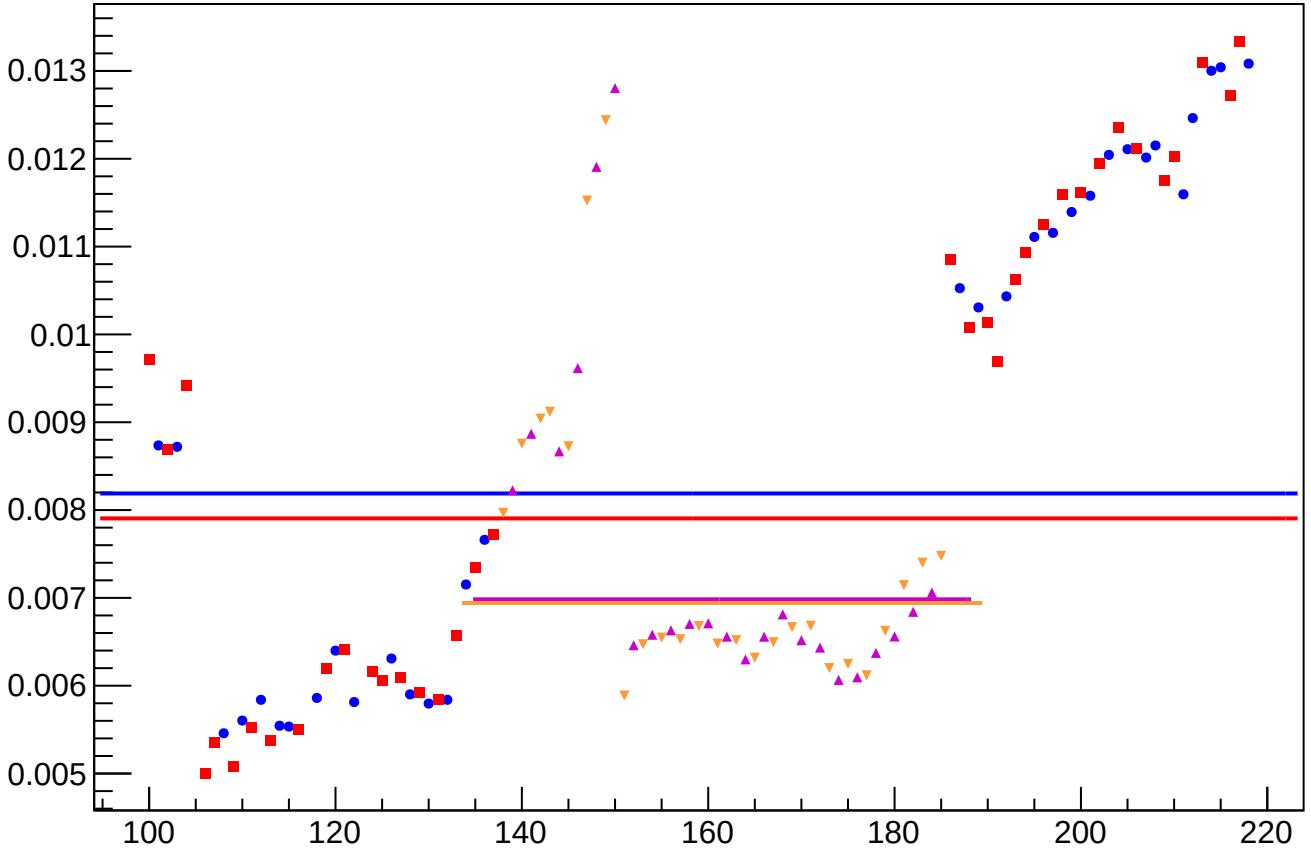
Left In: 0.430+/-0.000 χ^2/NDF:9041195997.1/22

+ sign 0.495+/-0.000 χ^2/NDF: 89447346344.0/56

All: 0.489+/-0.000 χ^2/NDF: 195466621269.2

- sign 0.482+/-0.000 χ^2/NDF: 105966637302.4/58

yield_bpm2i02X_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF: 4034100.2/31

Left Out: 0.007+/-0.000 χ^2/NDF:1090916.4/24

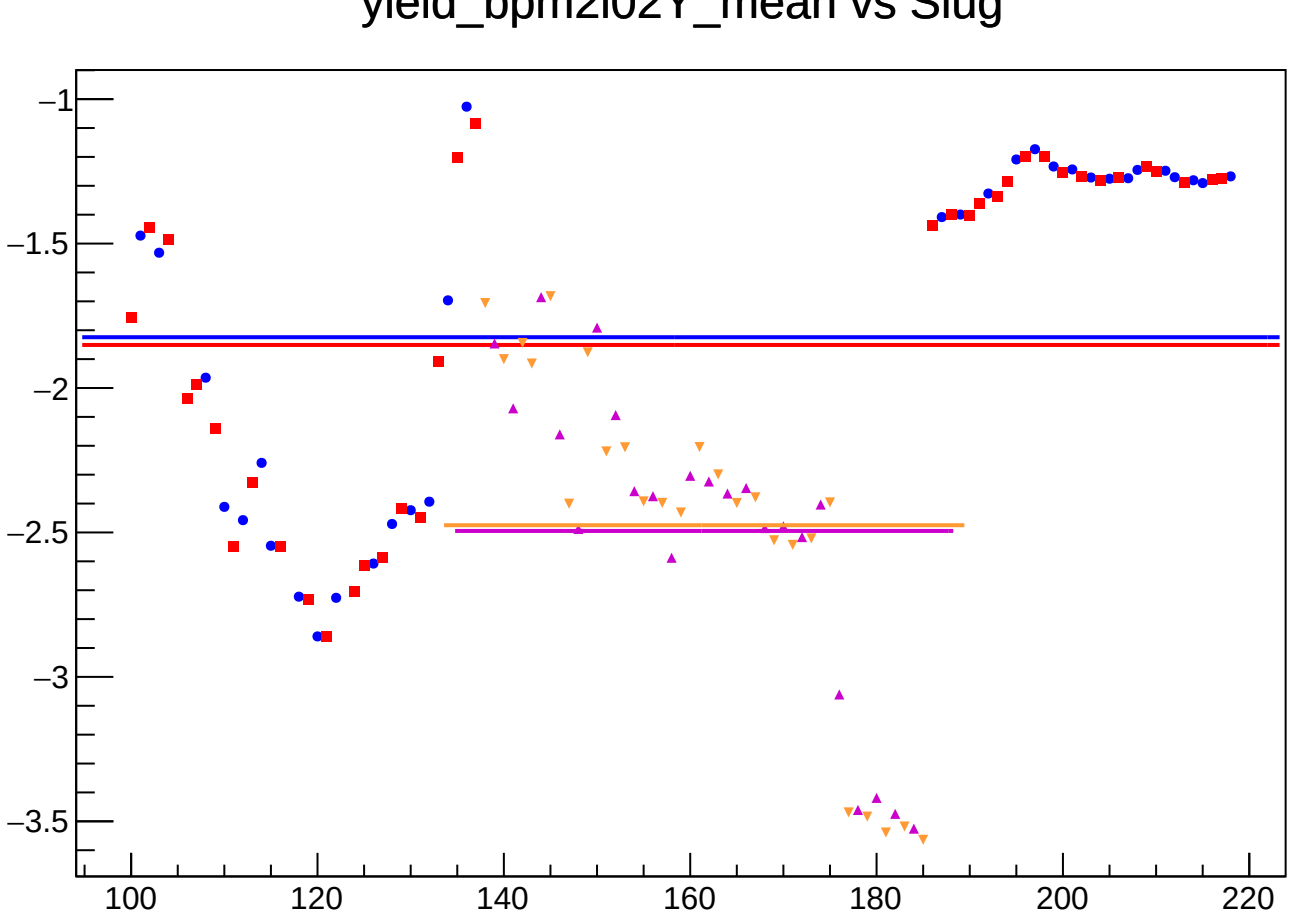
Right Out: 0.008+/-0.000 χ^2/NDF: 4471101.4/35

Left In: 0.007+/-0.000 χ^2/NDF:1136529.0/22

+ sign 0.007+/-0.000 χ^2/NDF: 5618768.9/56

All: 0.007+/-0.000 χ^2/NDF: 11503455.1/115

- sign 0.007+/-0.000 χ^2/NDF: 5882597.7/58



Right In: -1.824+/-0.000 χ^2/NDF: 123300150078.8/31

Left Out: -2.475+/-0.000 χ^2/NDF:122955897541.5/24

Right Out: -1.851+/-0.000 χ^2/NDF: 120242577521.4/35

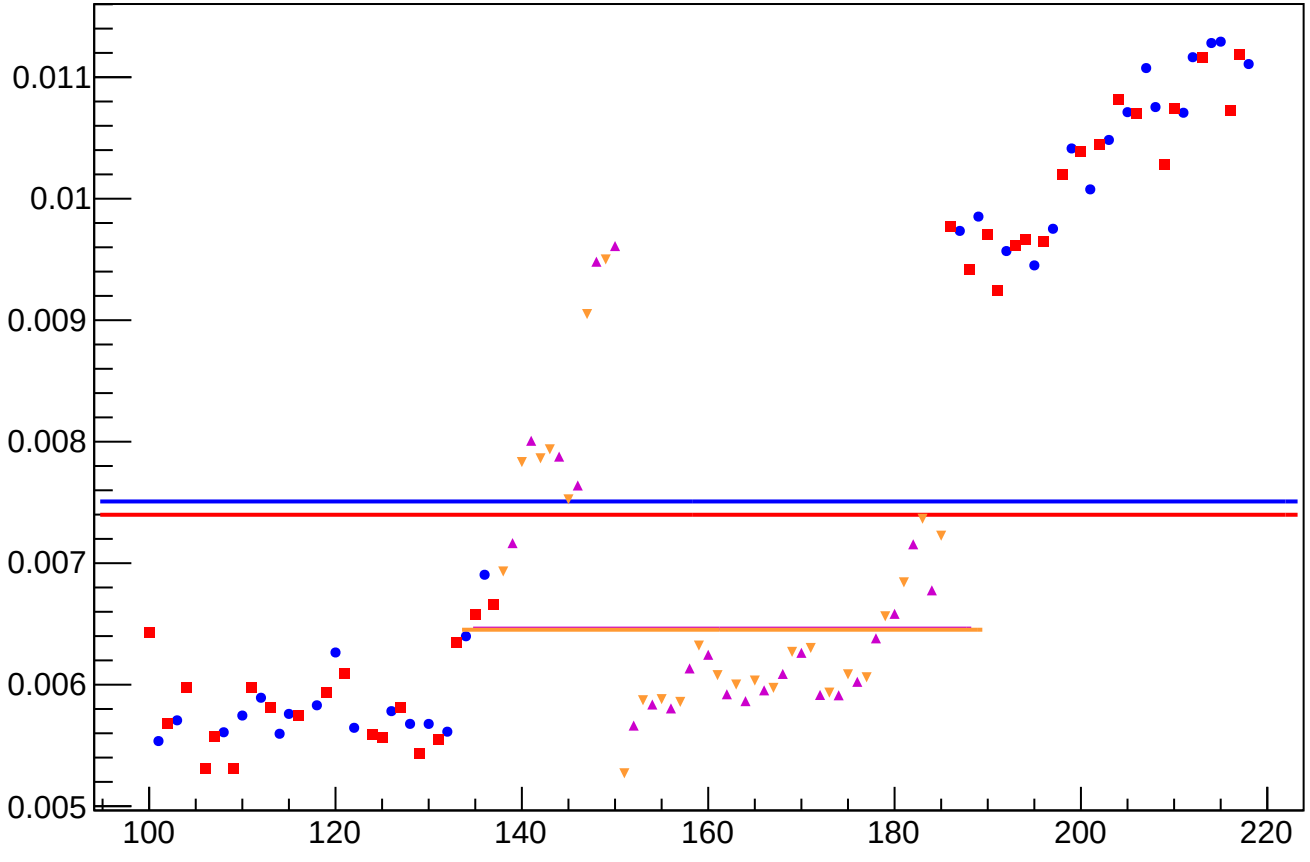
Left In: -2.495+/-0.000 χ^2/NDF:96774638297.6/22

+ sign -2.202+/-0.000 χ^2/NDF: 326885110520.9/56

All: -2.205+/-0.000 χ^2/NDF: 623449201347.8

- sign -2.207+/-0.000 χ^2/NDF: 296555964919.6/58

yield_bpm2i02Y_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF: 3330818.2/31

Left Out: 0.006+/-0.000 χ^2/NDF:713238.0/24

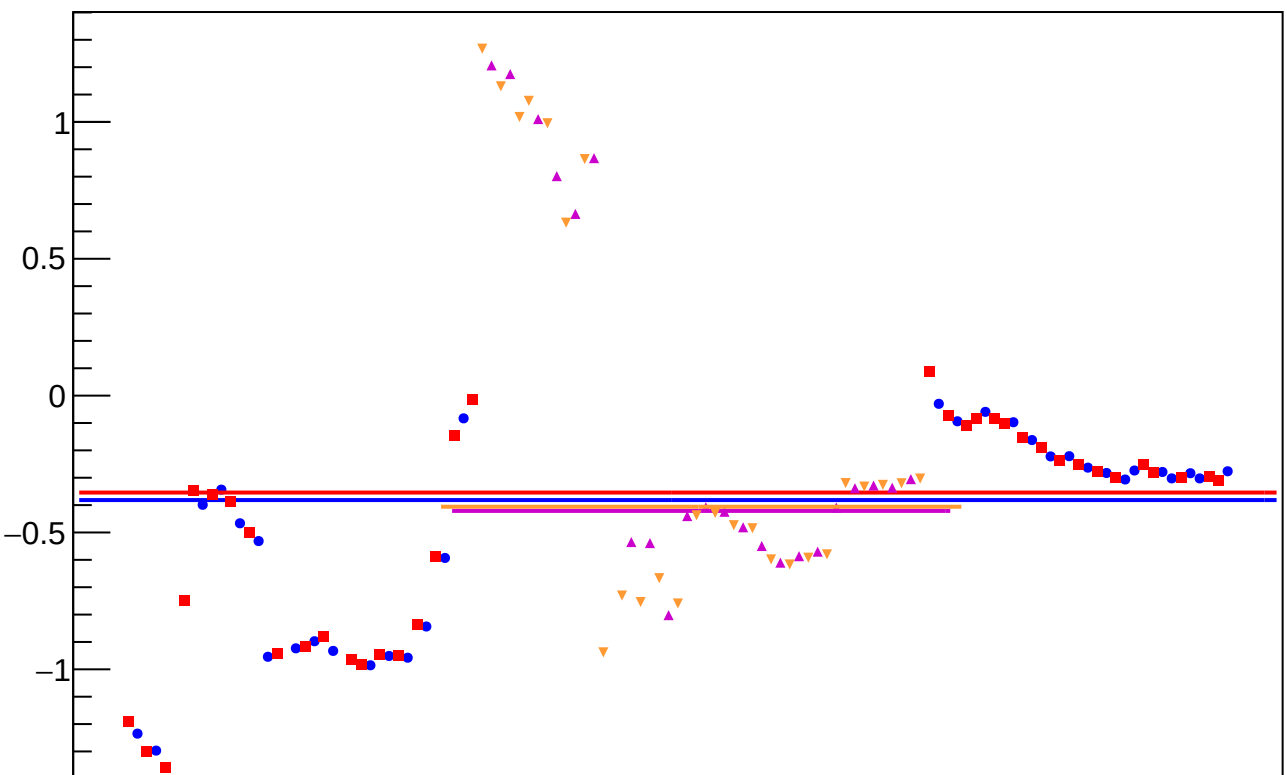
Right Out: 0.007+/-0.000 χ^2/NDF: 3296693.7/35

Left In: 0.006+/-0.000 χ^2/NDF:720640.7/22

+ sign 0.007+/-0.000 χ^2/NDF: 4468352.2/56

All: 0.007+/-0.000 χ^2/NDF: 8822867.0/115

- sign 0.007+/-0.000 χ^2/NDF: 4354360.0/58



Right In: -0.382+/-0.000 χ^2/NDF: 24777199595.3/31

Left Out: -0.406+/-0.000 χ^2/NDF:81633647828.2/24

Right Out: -0.354+/-0.000 χ^2/NDF: 27363591306.1/35

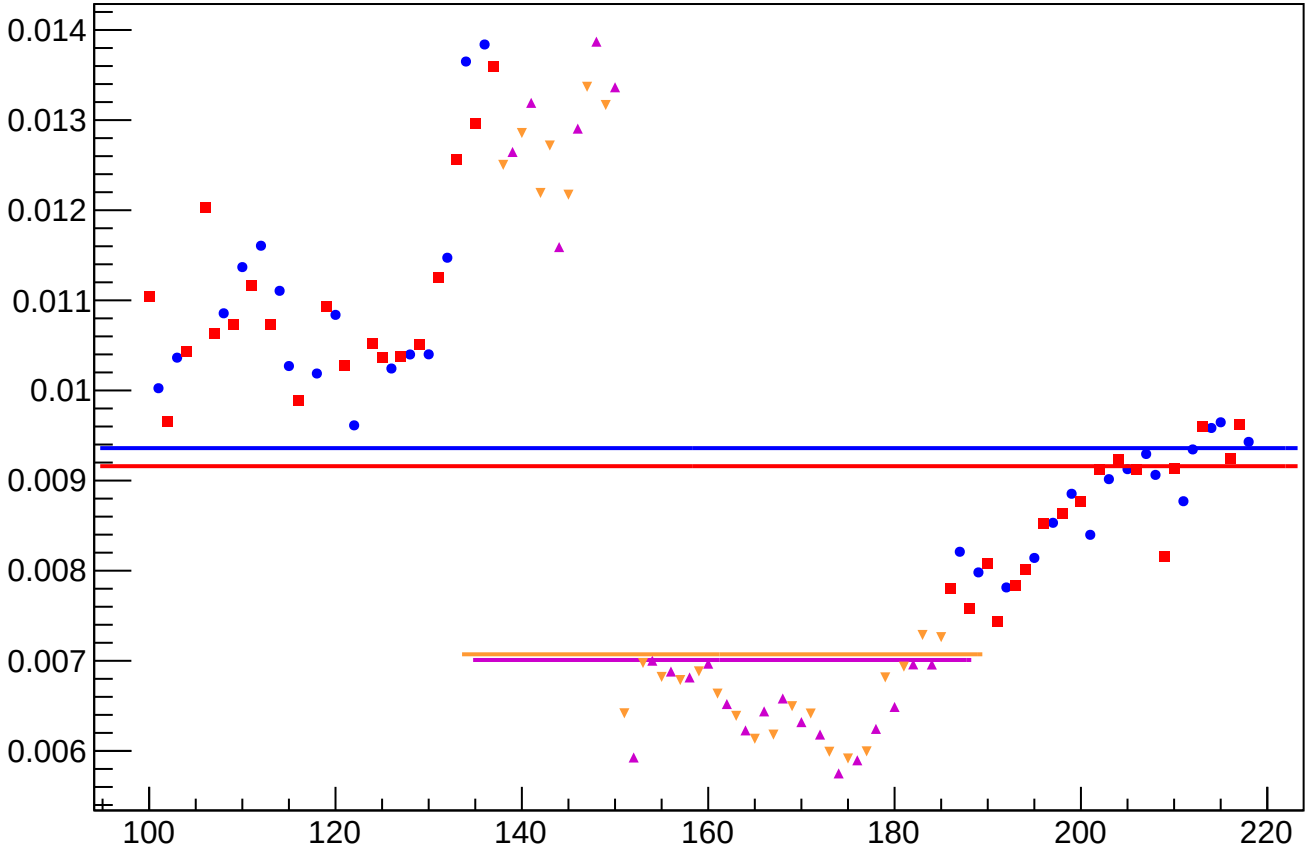
Left In: -0.421+/-0.000 χ^2/NDF:90241717621.7/22

+ sign -0.397+/-0.000 χ^2/NDF: 106492049599.5/56

All: -0.395+/-0.000 χ^2/NDF: 224728392857.8

- sign -0.394+/-0.000 χ^2/NDF: 118233942891.1/58

yield_bpm0i01X_rms vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 638647.6/31

Left Out: 0.007+/-0.000 χ^2/NDF:2384159.5/24

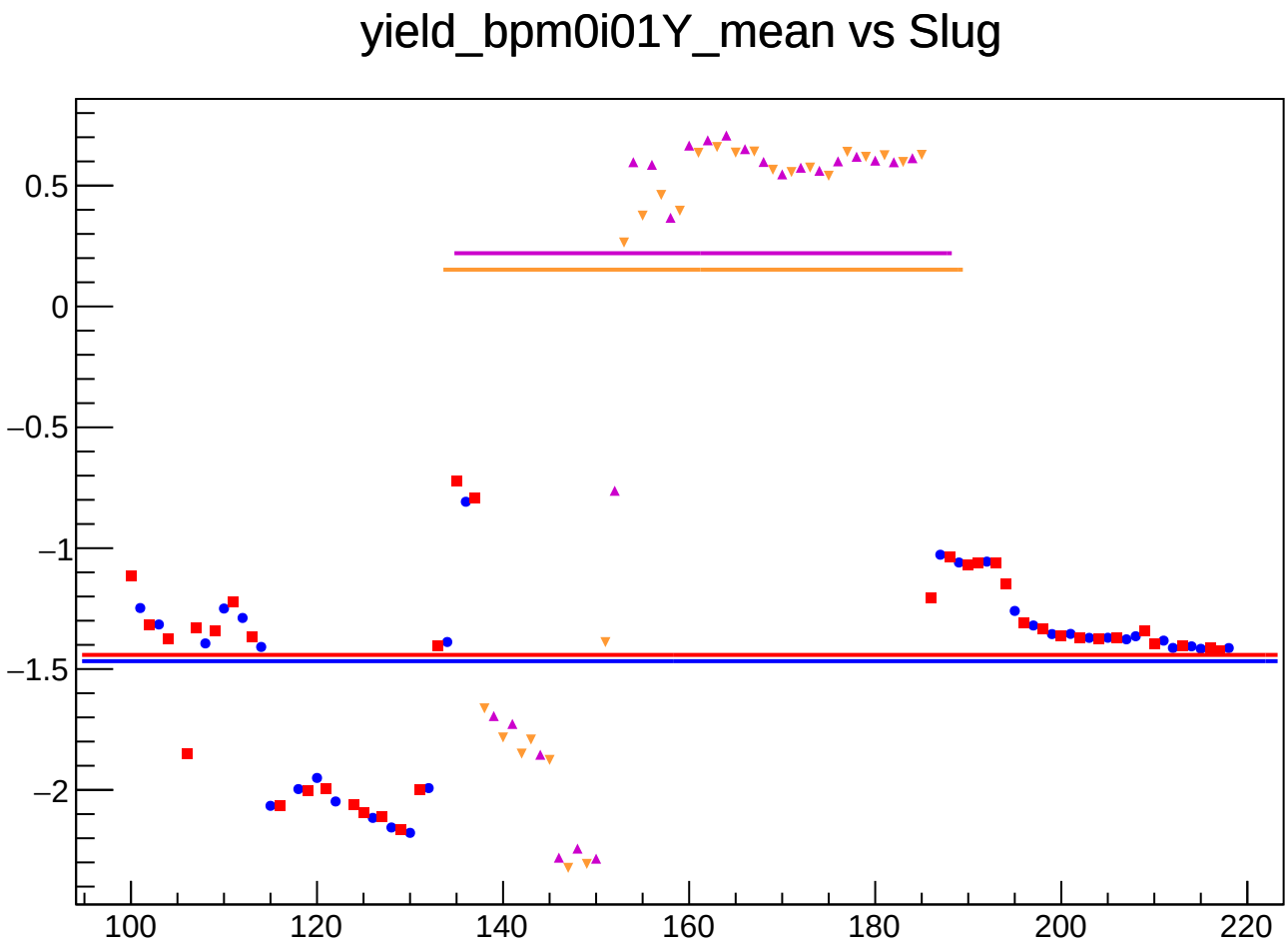
Right Out: 0.009+/-0.000 χ^2/NDF: 708370.2/35

Left In: 0.007+/-0.000 χ^2/NDF:2456348.6/22

+ sign 0.008+/-0.000 χ^2/NDF: 4456235.4/56

All: 0.008+/-0.000 χ^2/NDF: 8917576.9/115

- sign 0.008+/-0.000 χ^2/NDF: 4459036.3/58



Right In: -1.467+/-0.000 χ^2/NDF: 183983160727.5/31

Left Out: 0.152+/-0.000 χ^2/NDF:2398778835341.2/24

Right Out: -1.442+/-0.000 χ^2/NDF: 172713261633.2/35

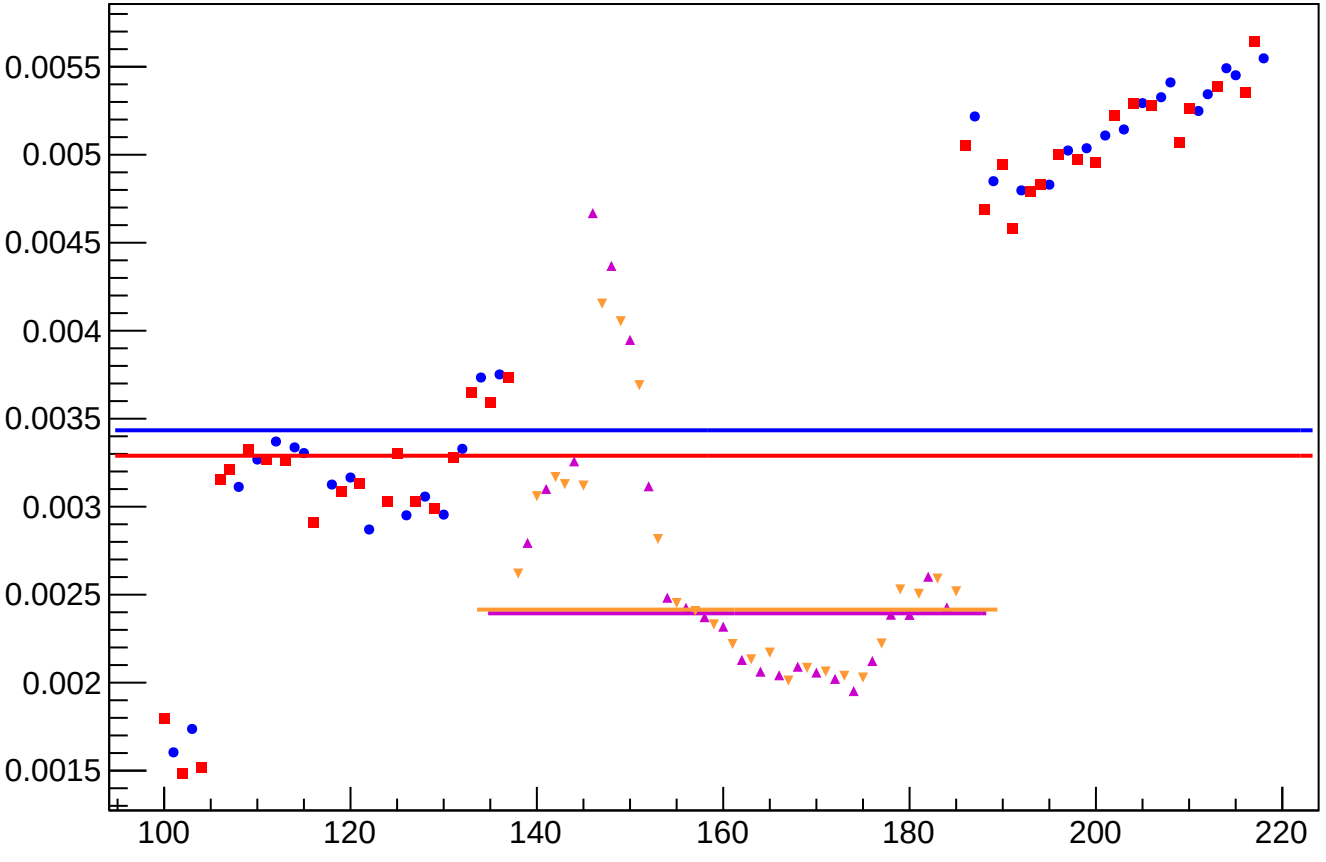
Left In: 0.220+/-0.000 χ^2/NDF:2121977245985.6/22

+ sign -0.371+/-0.000 χ^2/NDF: 5062170393816.5/5

All: -0.368+/-0.000 χ^2/NDF: 1006670509238

- sign -0.365+/-0.000 χ^2/NDF: 5004450966664.0/58

yield_bpm0i01Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 5520013.7/31

Left Out: 0.002+/-0.000 χ^2/NDF:1220406.4/24

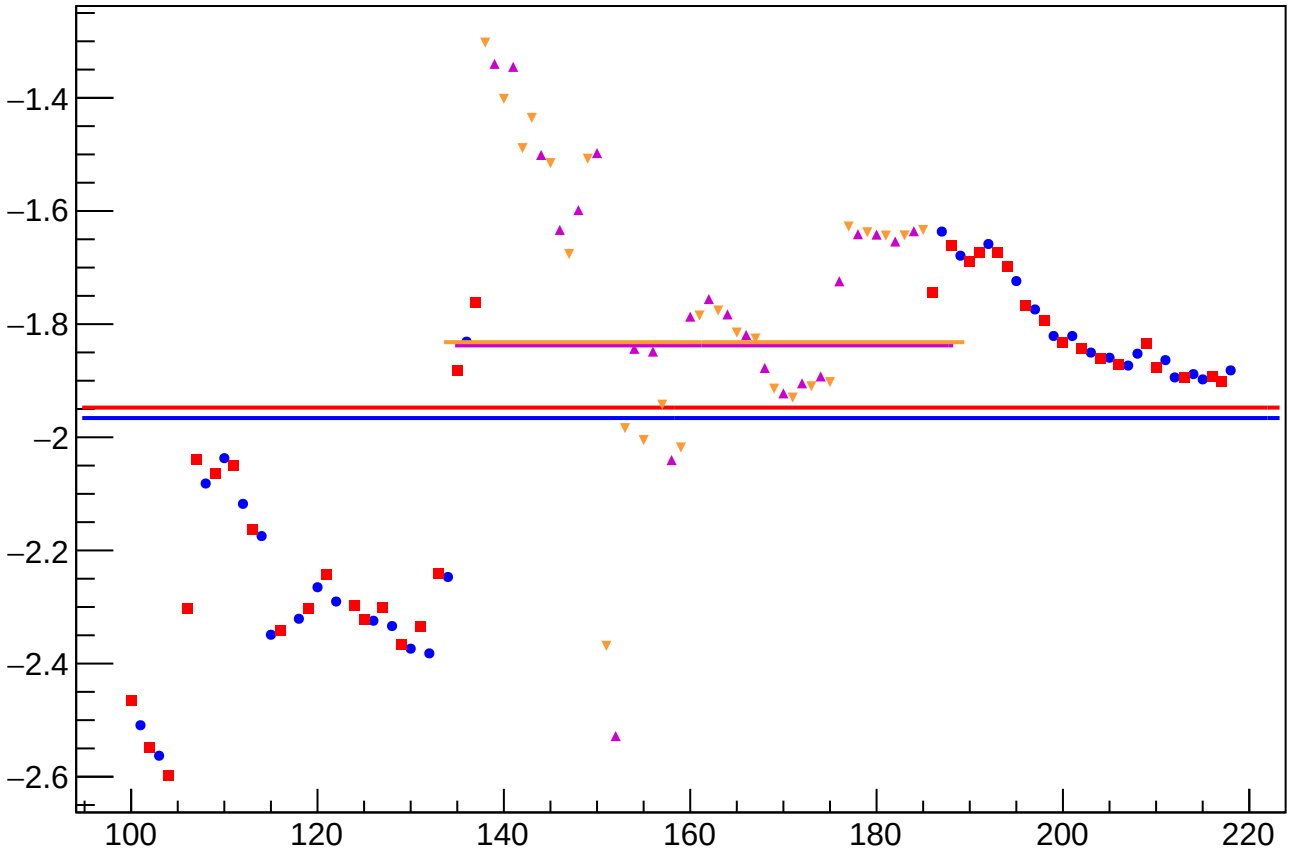
Right Out: 0.003+/-0.000 χ^2/NDF: 6368497.6/35

Left In: 0.002+/-0.000 χ^2/NDF:1409595.4/22

+ sign 0.003+/-0.000 χ^2/NDF: 8703311.8/56

All: 0.003+/-0.000 χ^2/NDF: 18060848.5/115

- sign 0.003+/-0.000 χ^2/NDF: 9352250.8/58



Right In: -1.966+/-0.000 χ^2/NDF: 34299460584.2/31

Left Out: -1.832+/-0.000 χ^2/NDF:38365576589.1/24

Right Out: -1.948+/-0.000 χ^2/NDF: 38106033603.7/35

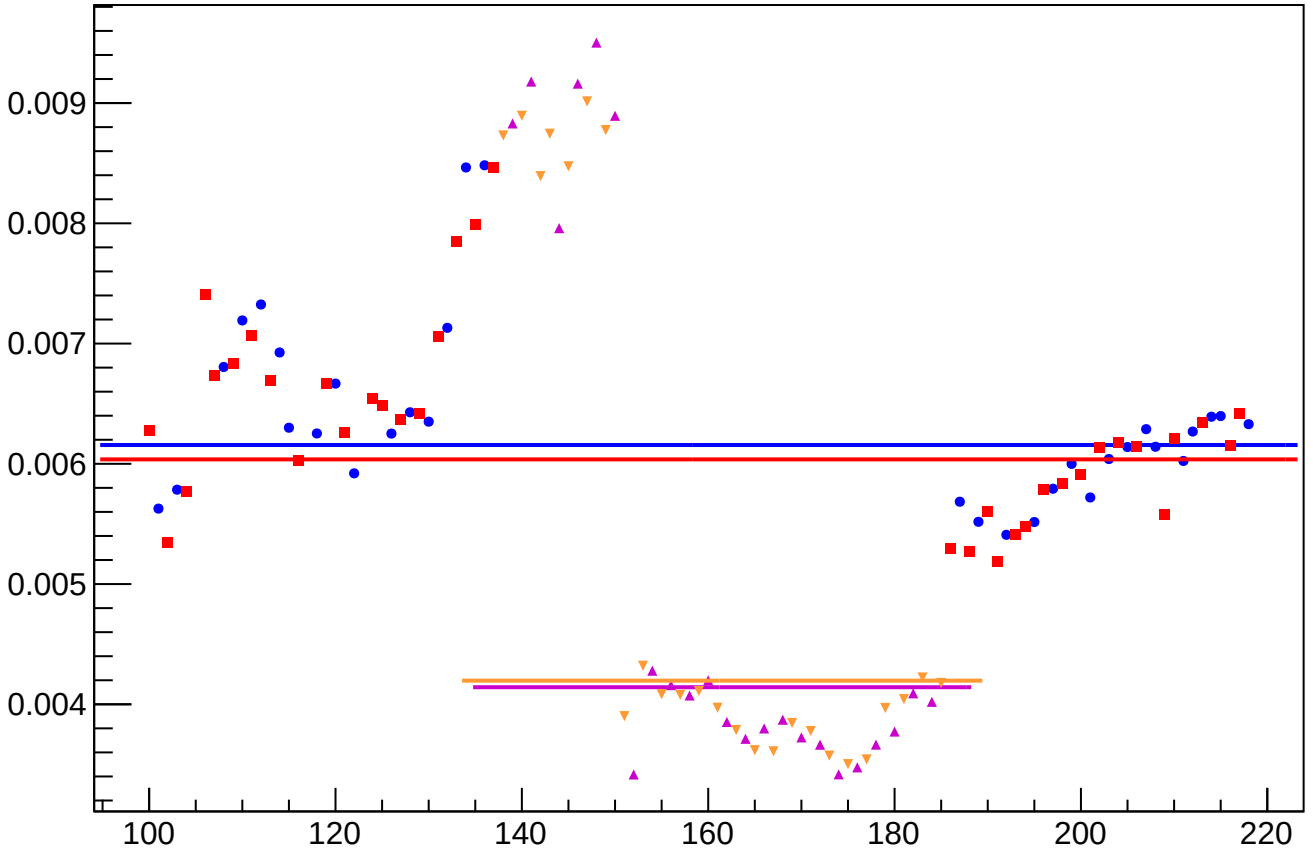
Left In: -1.838+/-0.000 χ^2/NDF:53437434367.2/22

+ sign -1.878+/-0.000 χ^2/NDF: 78725566464.0/56

All: -1.878+/-0.000 χ^2/NDF: 174446811889.9

- sign -1.878+/-0.000 χ^2/NDF: 95721219530.0/58

yield_bpm0i01aX_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF: 375521.7/31

Left Out: 0.004+/-0.000 χ^2/NDF:3091489.2/24

Right Out: 0.006+/-0.000 χ^2/NDF: 403786.5/35

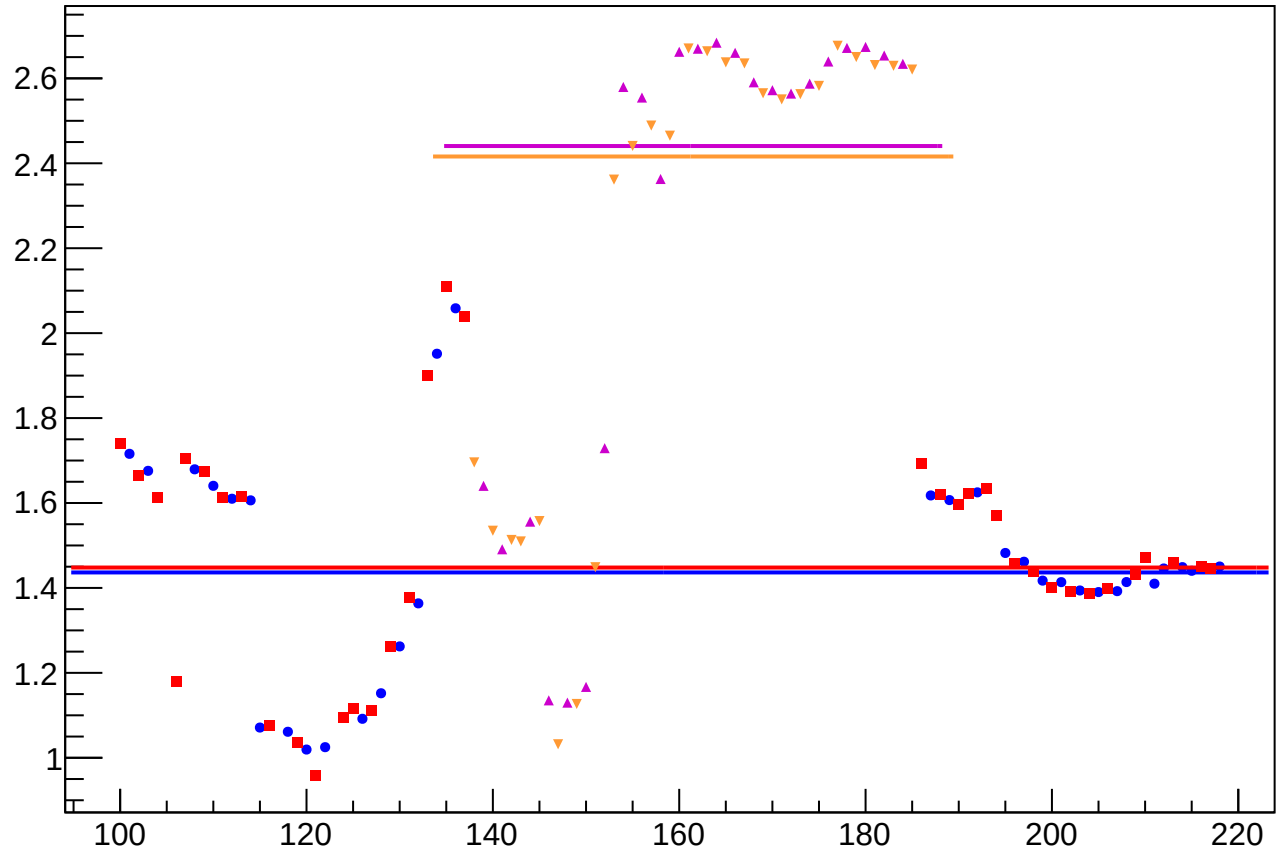
Left In: 0.004+/-0.000 χ^2/NDF:3193924.3/22

+ sign 0.005+/-0.000 χ^2/NDF: 6054910.3/56

All: 0.005+/-0.000 χ^2/NDF: 12137616.6/115

- sign 0.005+/-0.000 χ^2/NDF: 6080895.5/58

yield_bpm0i01aY_mean vs Slug



Right In: 1.436+/-0.000 χ^2/NDF: 191510705034.6/31

Left Out: 2.416+/-0.000 χ^2/NDF:242949391498.0/24

Right Out: 1.448+/-0.000 χ^2/NDF: 186652076596.8/35

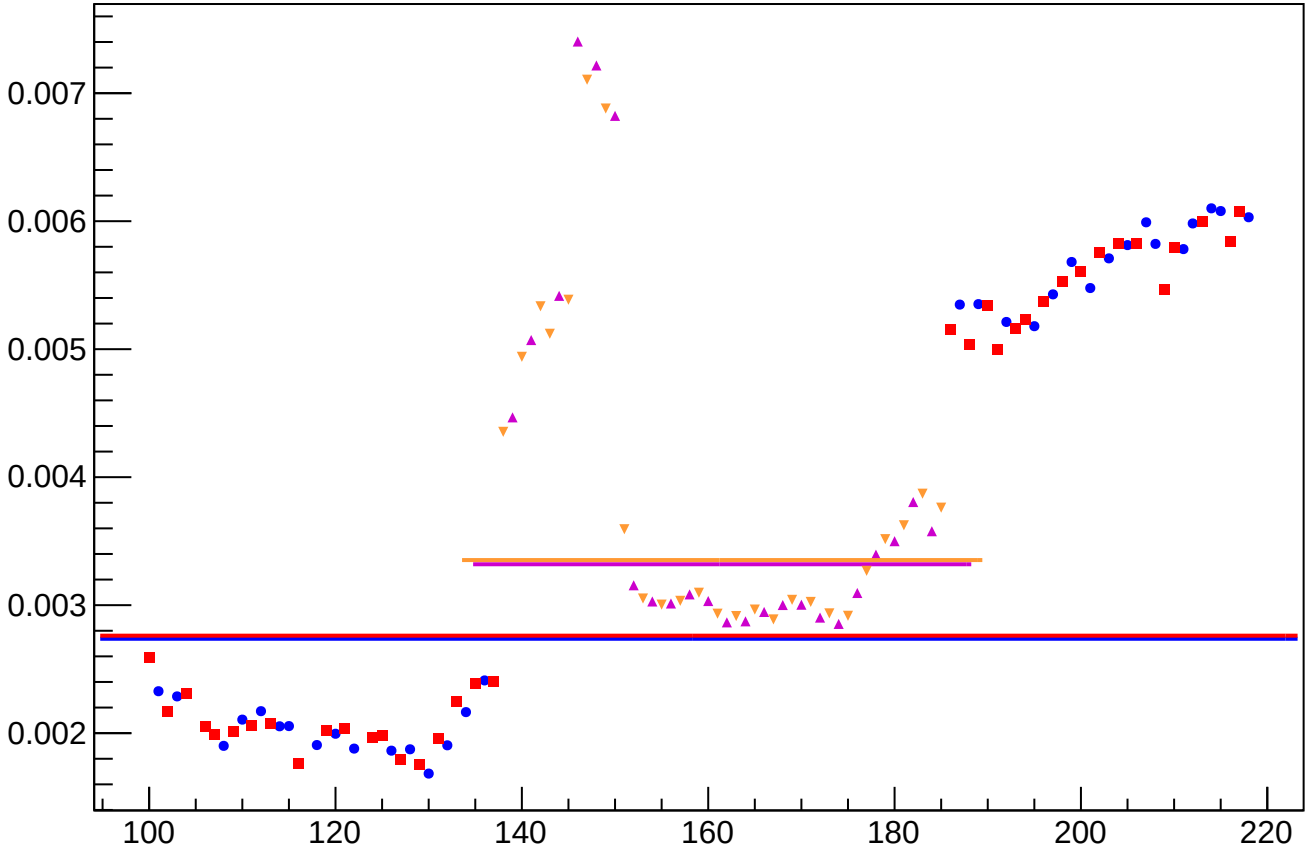
Left In: 2.441+/-0.000 χ^2/NDF:231724954471.8/22

+ sign 1.862+/-0.000 χ^2/NDF: 1277032059977.3/56

All: 1.863+/-0.000 χ^2/NDF: 2544074180742.

- sign 1.864+/-0.000 χ^2/NDF: 1267036288985.1/58

yield_bpm0i01aY_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 8764818.8/31

Left Out: 0.003+/-0.000 χ^2/NDF:1819921.4/24

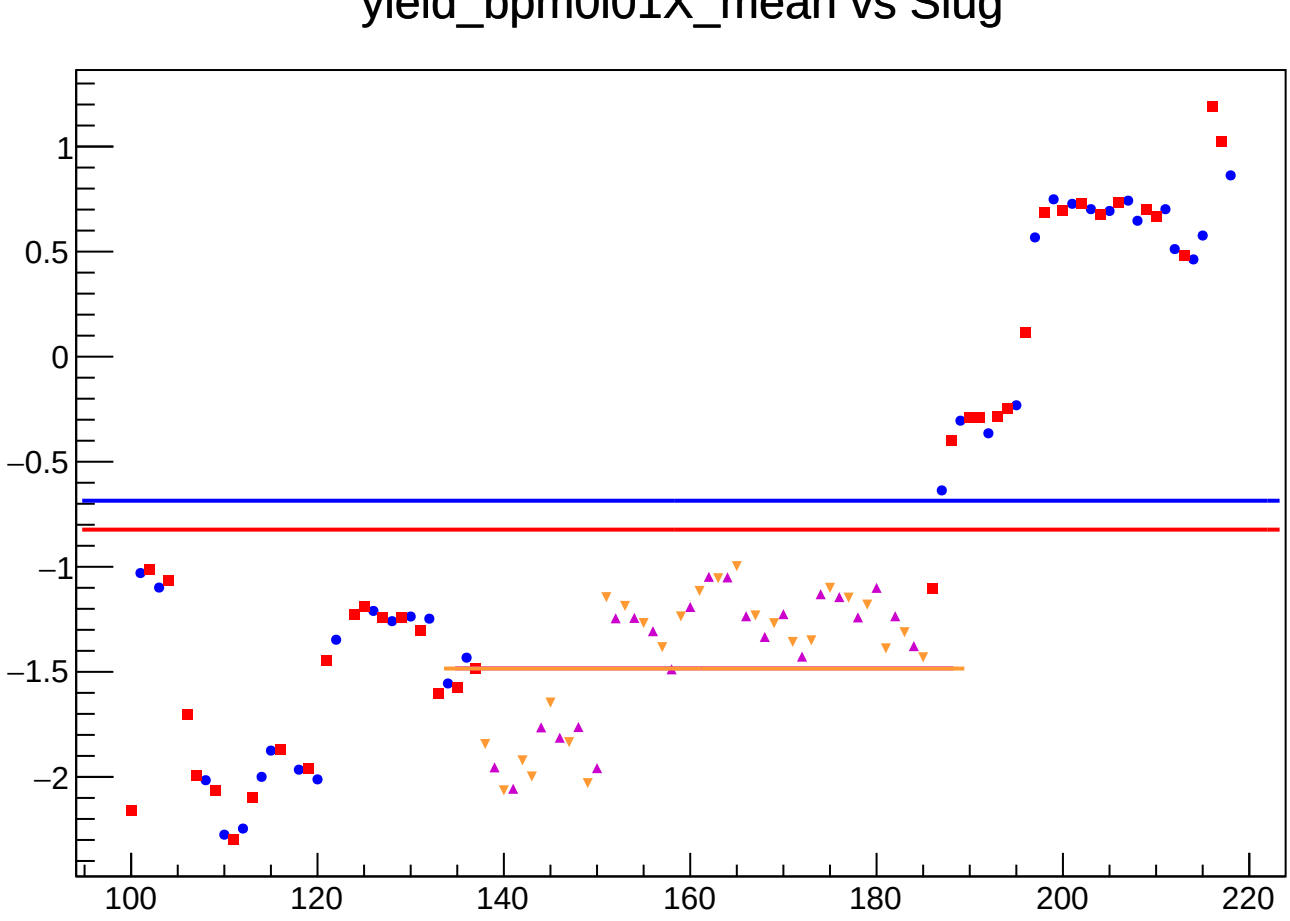
Right Out: 0.003+/-0.000 χ^2/NDF: 8480416.3/35

Left In: 0.003+/-0.000 χ^2/NDF:2055631.9/22

+ sign 0.003+/-0.000 χ^2/NDF: 11248644.4/56

All: 0.003+/-0.000 χ^2/NDF: 22321145.5/115

- sign 0.003+/-0.000 χ^2/NDF: 11072199.1/58



Right In: -0.686+/-0.000 χ^2/NDF: 264506372568.9/31

Left Out: -1.484+/-0.000 χ^2/NDF:48438764764.6/24

Right Out: -0.823+/-0.000 χ^2/NDF: 304003241552.6/35

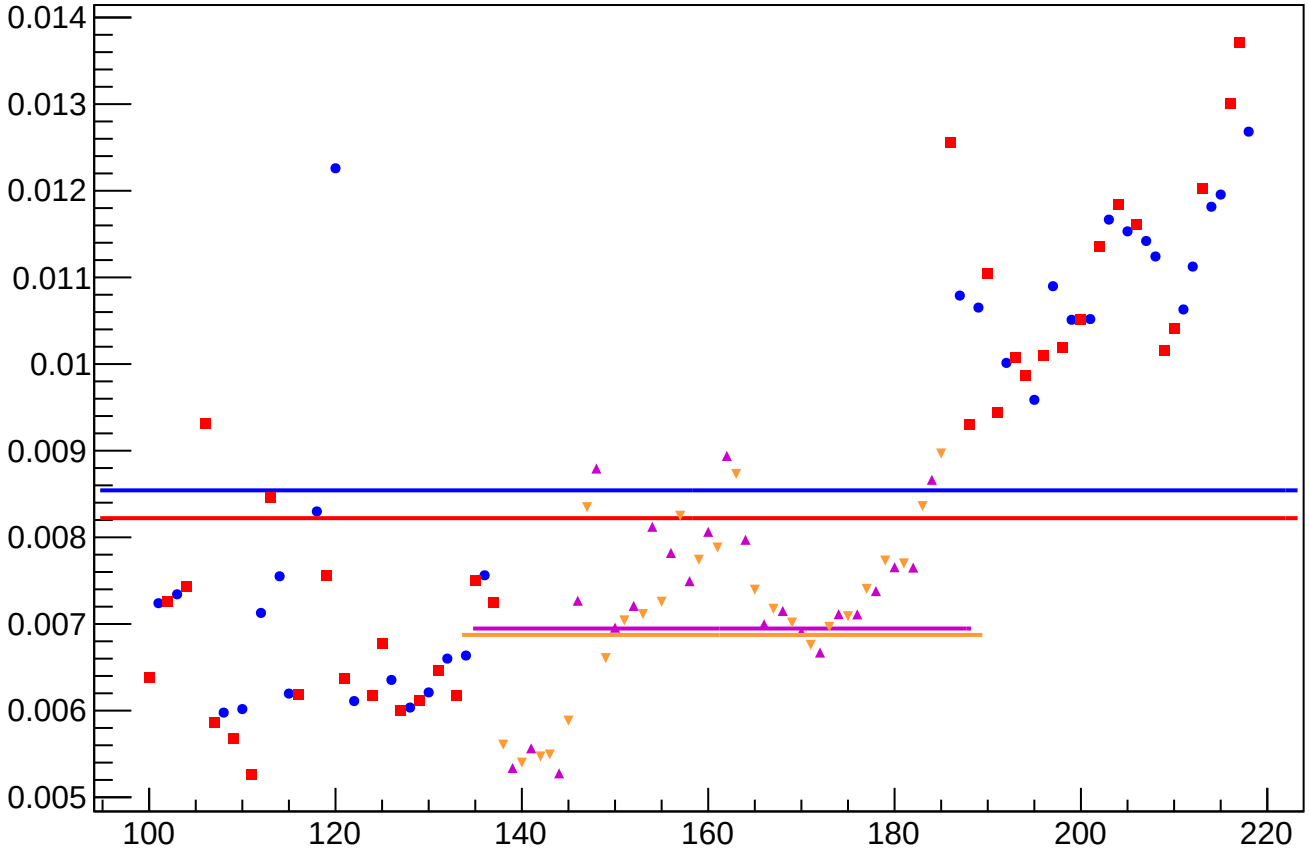
Left In: -1.483+/-0.000 χ^2/NDF:40353431150.9/22

+ sign -1.173+/-0.000 χ^2/NDF: 408301574146.2/56

All: -1.184+/-0.000 χ^2/NDF: 819655861194.4

- sign -1.196+/-0.000 χ^2/NDF: 411178110000.1/58

yield_bpm0l01X_rms vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 2491383.5/31

Left Out: 0.007+/-0.000 χ^2/NDF:745531.3/24

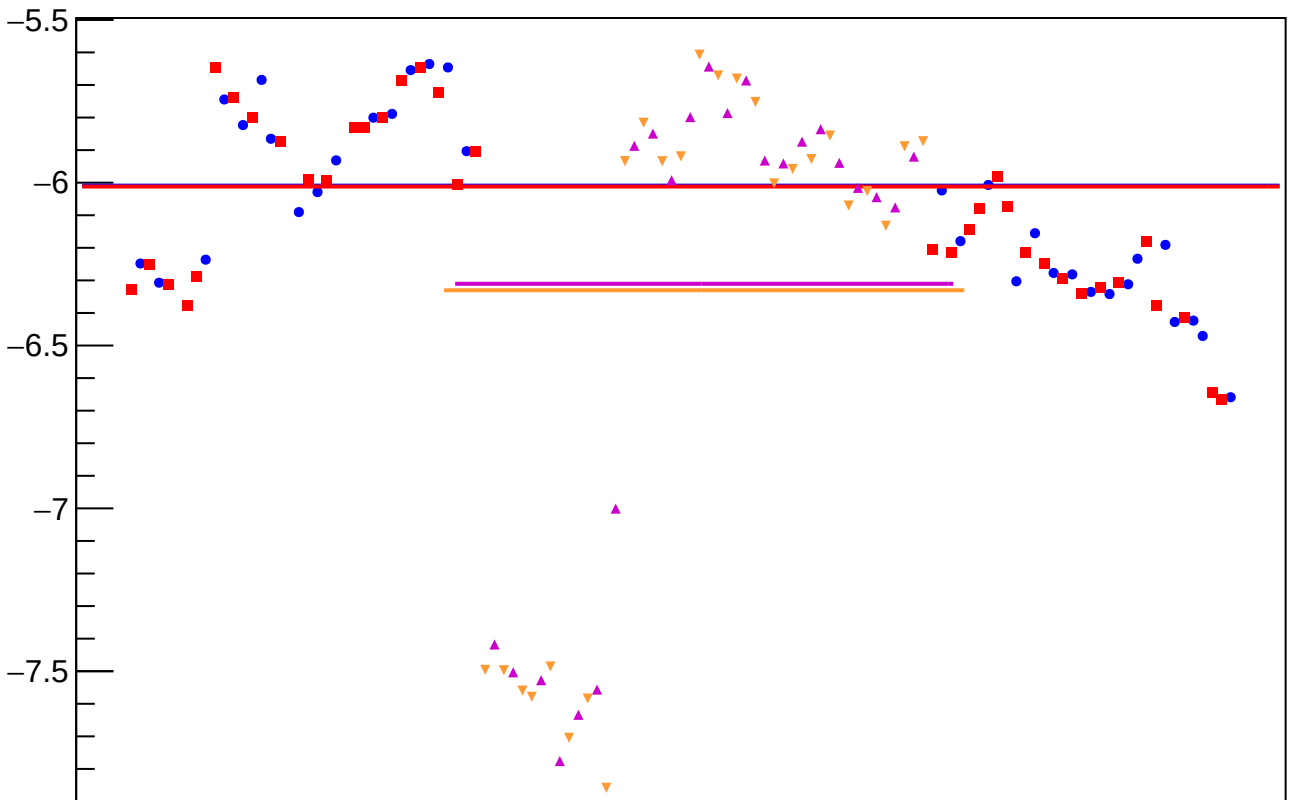
Right Out: 0.008+/-0.000 χ^2/NDF: 2868916.7/35

Left In: 0.007+/-0.000 χ^2/NDF:746731.6/22

+ sign 0.008+/-0.000 χ^2/NDF: 4069189.2/56

All: 0.008+/-0.000 χ^2/NDF: 8182663.7/115

- sign 0.008+/-0.000 χ^2/NDF: 4113128.1/58



Right In: -6.009+/-0.000 χ^2/NDF: 19792528731.0/31

Left Out: -6.330+/-0.000 χ^2/NDF:110328634370.4/24

Right Out: -6.012+/-0.000 χ^2/NDF: 20602451027.9/35

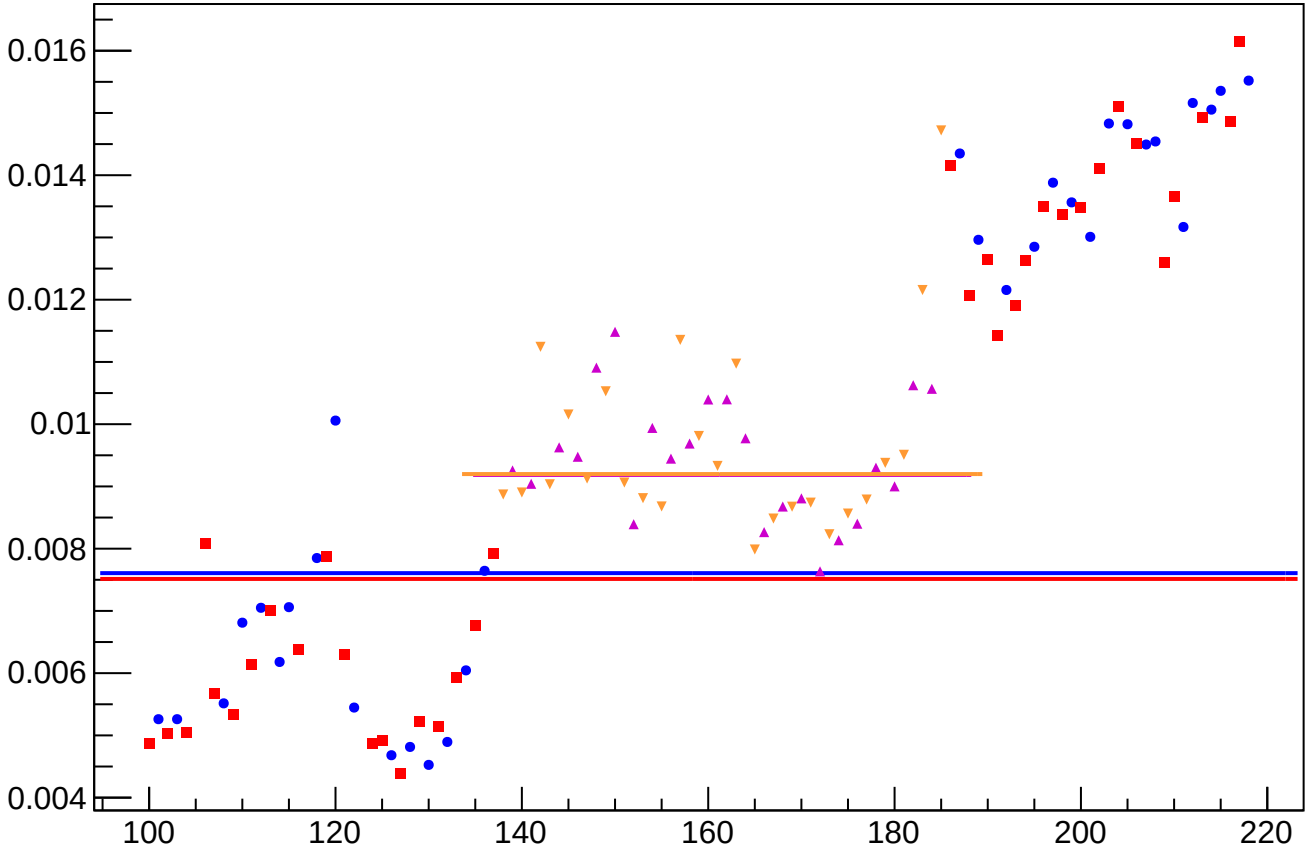
Left In: -6.310+/-0.000 χ^2/NDF:91689184100.9/22

+ sign -6.144+/-0.000 χ^2/NDF: 141506063876.0/56

All: -6.137+/-0.000 χ^2/NDF: 263694599179.6

- sign -6.130+/-0.000 χ^2/NDF: 122139874330.3/58

yield_bpm0l01Y_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF: 7440989.8/31

Left Out: 0.009+/-0.000 χ^2/NDF:367040.4/24

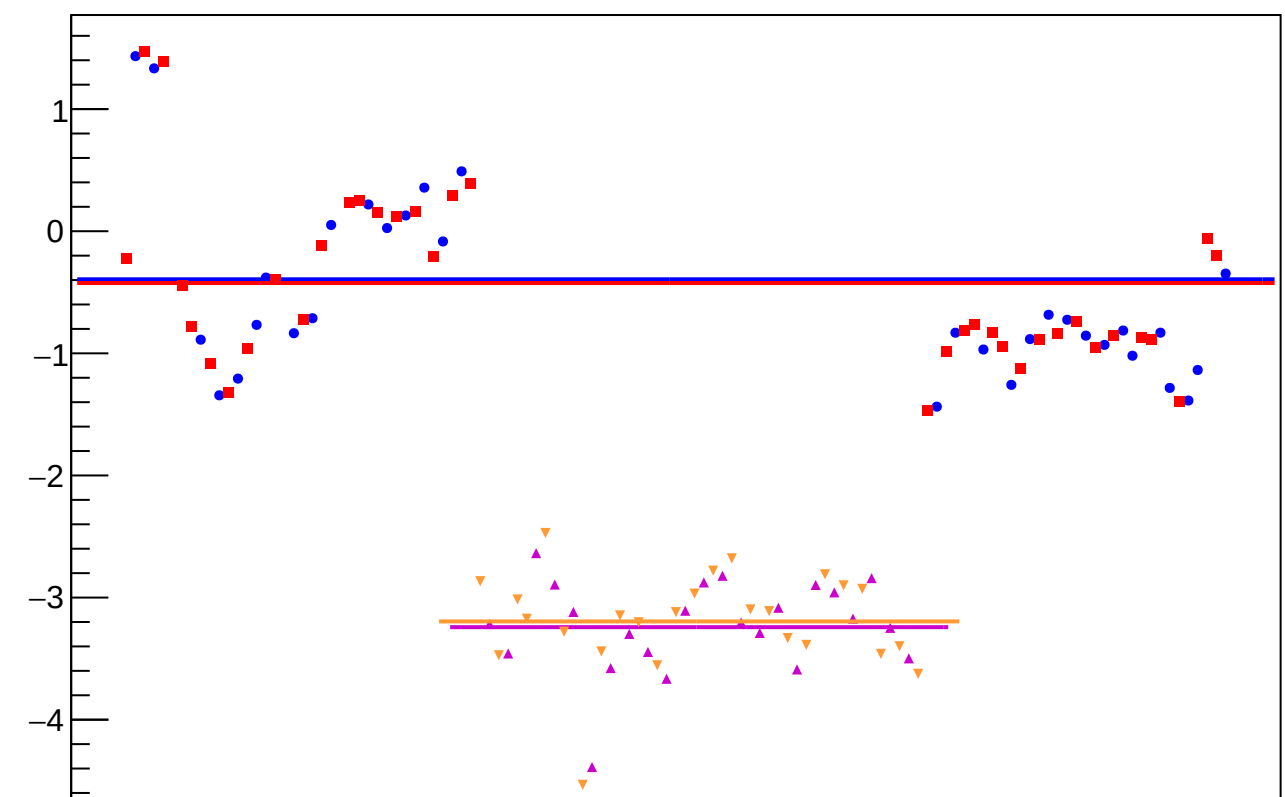
Right Out: 0.008+/-0.000 χ^2/NDF: 7132978.5/35

Left In: 0.009+/-0.000 χ^2/NDF:319063.5/22

+ sign 0.008+/-0.000 χ^2/NDF: 8367169.9/56

All: 0.008+/-0.000 χ^2/NDF: 16440461.6/115

- sign 0.008+/-0.000 χ^2/NDF: 8068367.1/58



Right In: -0.394+/-0.000 χ^2/NDF: 39796299402.3/31

Left Out: -3.195+/-0.000 χ^2/NDF:9538006171.4/24

Right Out: -0.424+/-0.000 χ^2/NDF: 38468238935.8/35

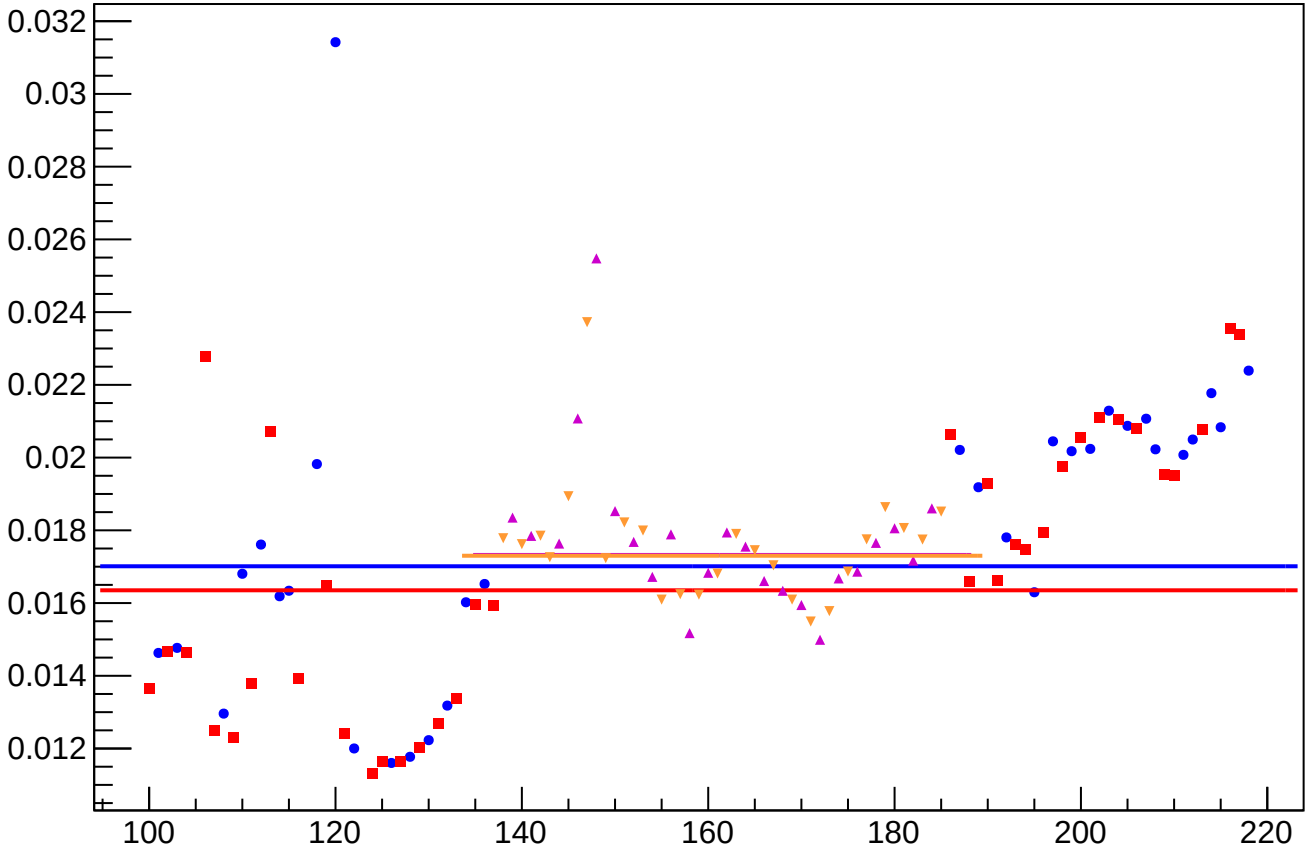
Left In: -3.242+/-0.000 χ^2/NDF:7955956403.6/22

+ sign -1.780+/-0.000 χ^2/NDF: 295497204235.9/56

All: -1.738+/-0.000 χ^2/NDF: 596546660817.0

- sign -1.698+/-0.000 χ^2/NDF: 300624480005.1/58

yield_bpm0l02X_rms vs Slug



Right In: 0.017+/-0.000 χ^2/NDF: 1739796.6/31

Left Out: 0.017+/-0.000 χ^2/NDF:218030.0/24

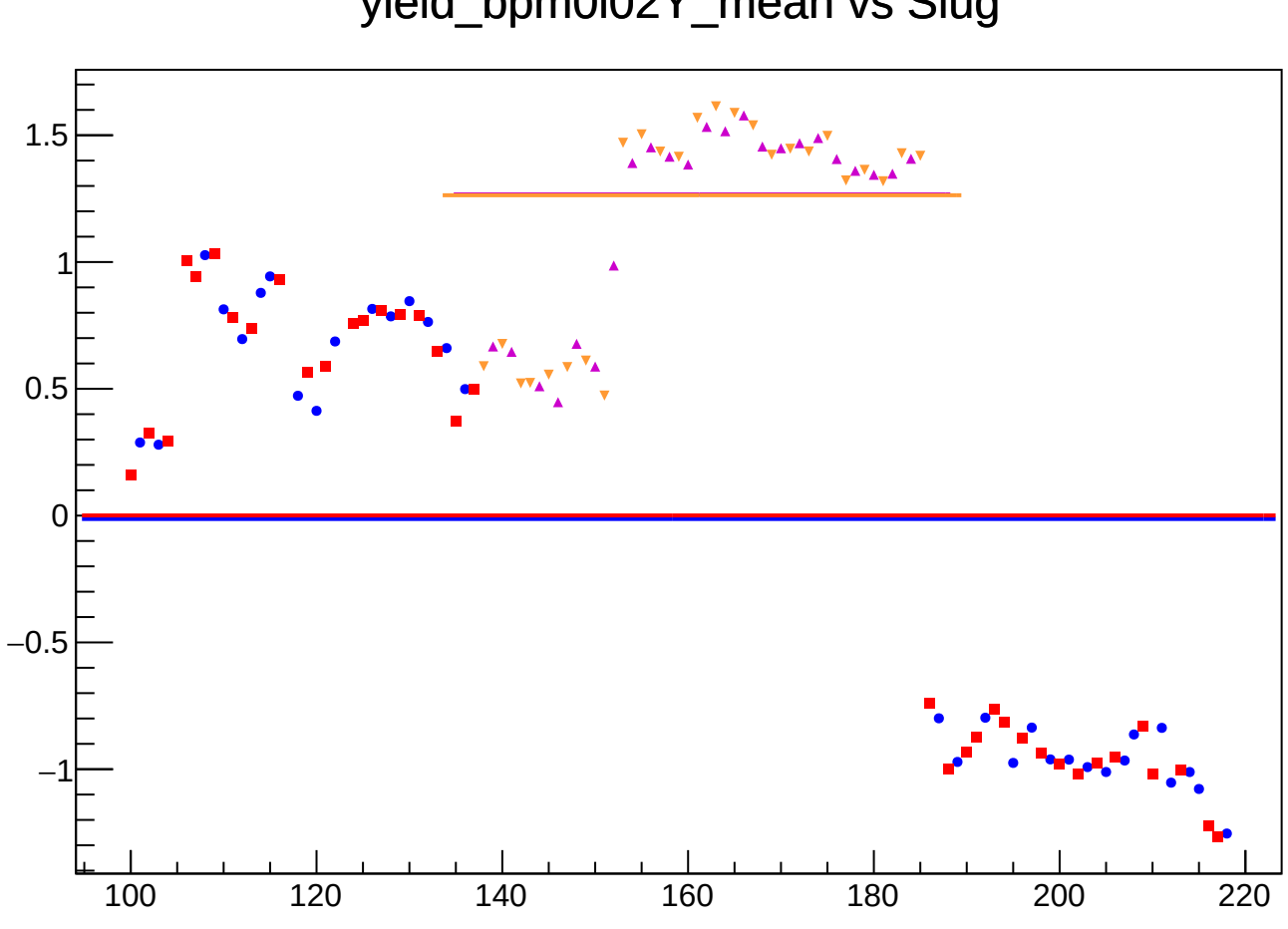
Right Out: 0.016+/-0.000 χ^2/NDF: 1848394.0/35

Left In: 0.017+/-0.000 χ^2/NDF:329879.6/22

+ sign 0.017+/-0.000 χ^2/NDF: 1963084.4/56

All: 0.017+/-0.000 χ^2/NDF: 4218747.5/115

- sign 0.017+/-0.000 χ^2/NDF: 2238733.0/58



Right In: -0.013+/-0.000 χ^2/NDF: 98754303837.0/31

Left Out: 1.263+/-0.000 χ^2/NDF:45594559273.0/24

Right Out: 0.001+/-0.000 χ^2/NDF: 108266542199.7/35

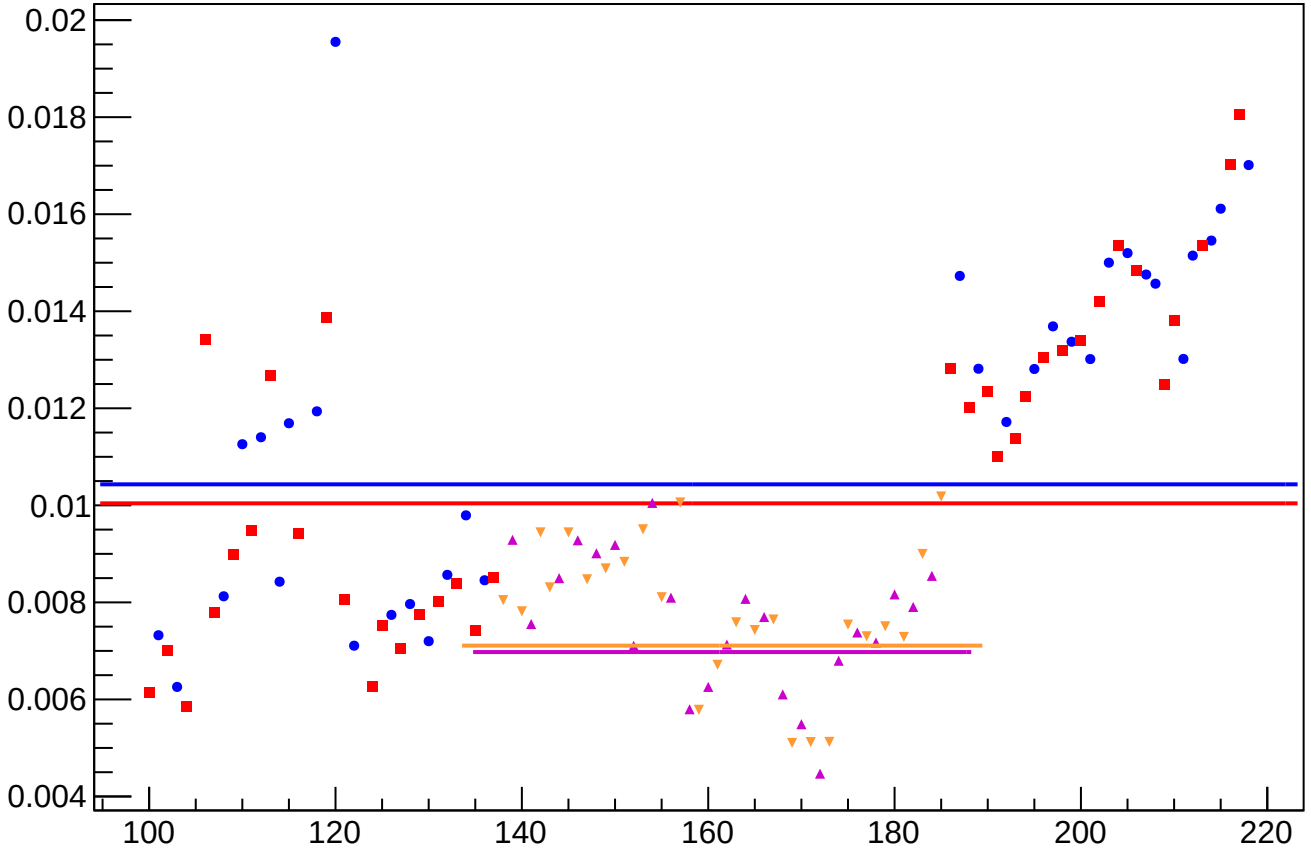
Left In: 1.267+/-0.000 χ^2/NDF:37614918579.9/22

+ sign 0.857+/-0.000 χ^2/NDF: 319104987875.7/56

All: 0.845+/-0.000 χ^2/NDF: 648594132036.5

- sign 0.833+/-0.000 χ^2/NDF: 329346358751.9/58

yield_bpm0l02Y_rms vs Slug



Right In: 0.010+/-0.000 χ^2/NDF: 3528802.2/31

Left Out: 0.007+/-0.000 χ^2/NDF:1519295.8/24

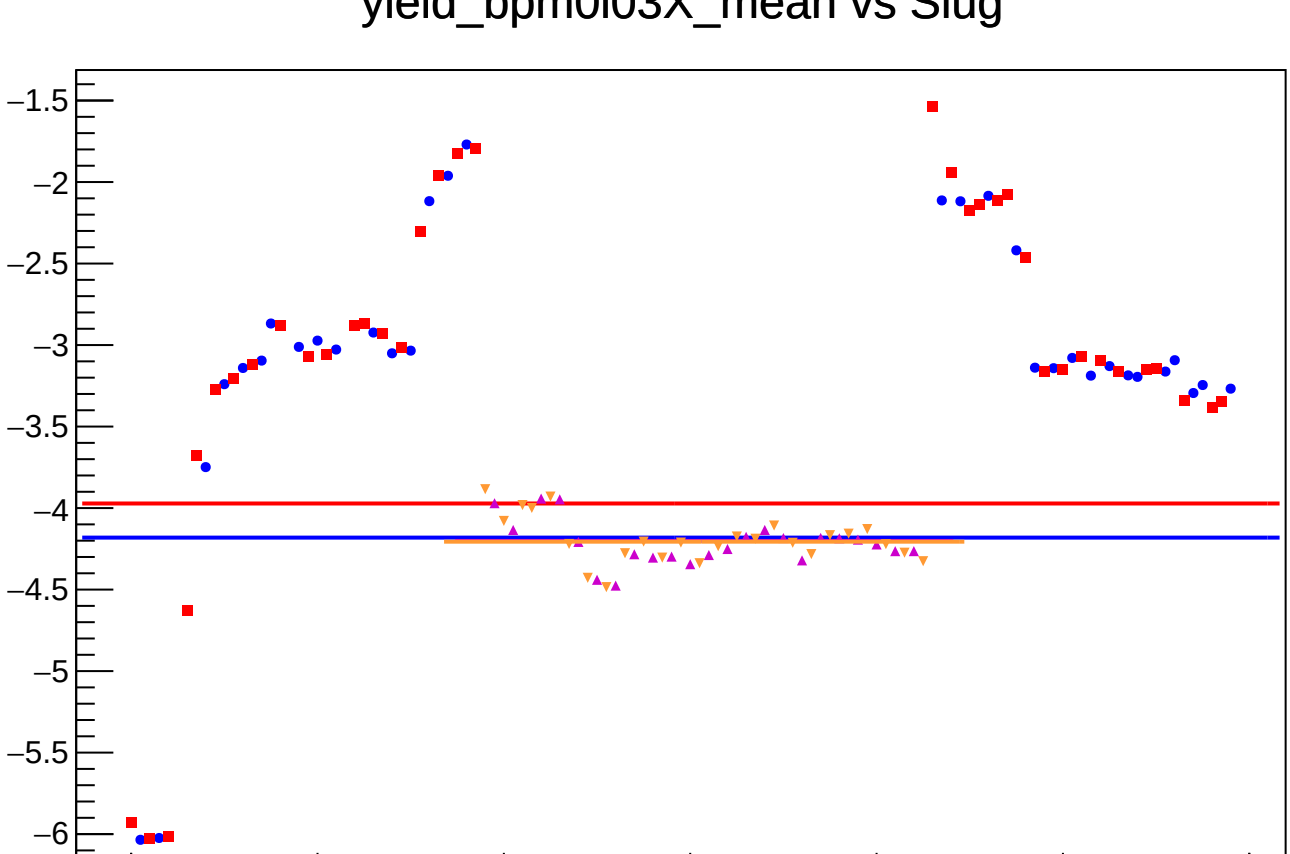
Right Out: 0.010+/-0.000 χ^2/NDF: 3625106.3/35

Left In: 0.007+/-0.000 χ^2/NDF:1457031.8/22

+ sign 0.008+/-0.000 χ^2/NDF: 7416569.1/56

All: 0.008+/-0.000 χ^2/NDF: 14658174.8/115

- sign 0.008+/-0.000 χ^2/NDF: 7231597.4/58



Right In: -4.181+/-0.000 χ^2/NDF: 302983506977.8/31

Left Out: -4.206+/-0.000 χ^2/NDF:61558336.8/24

Right Out: -3.972+/-0.000 χ^2/NDF: 308491709997.9/35

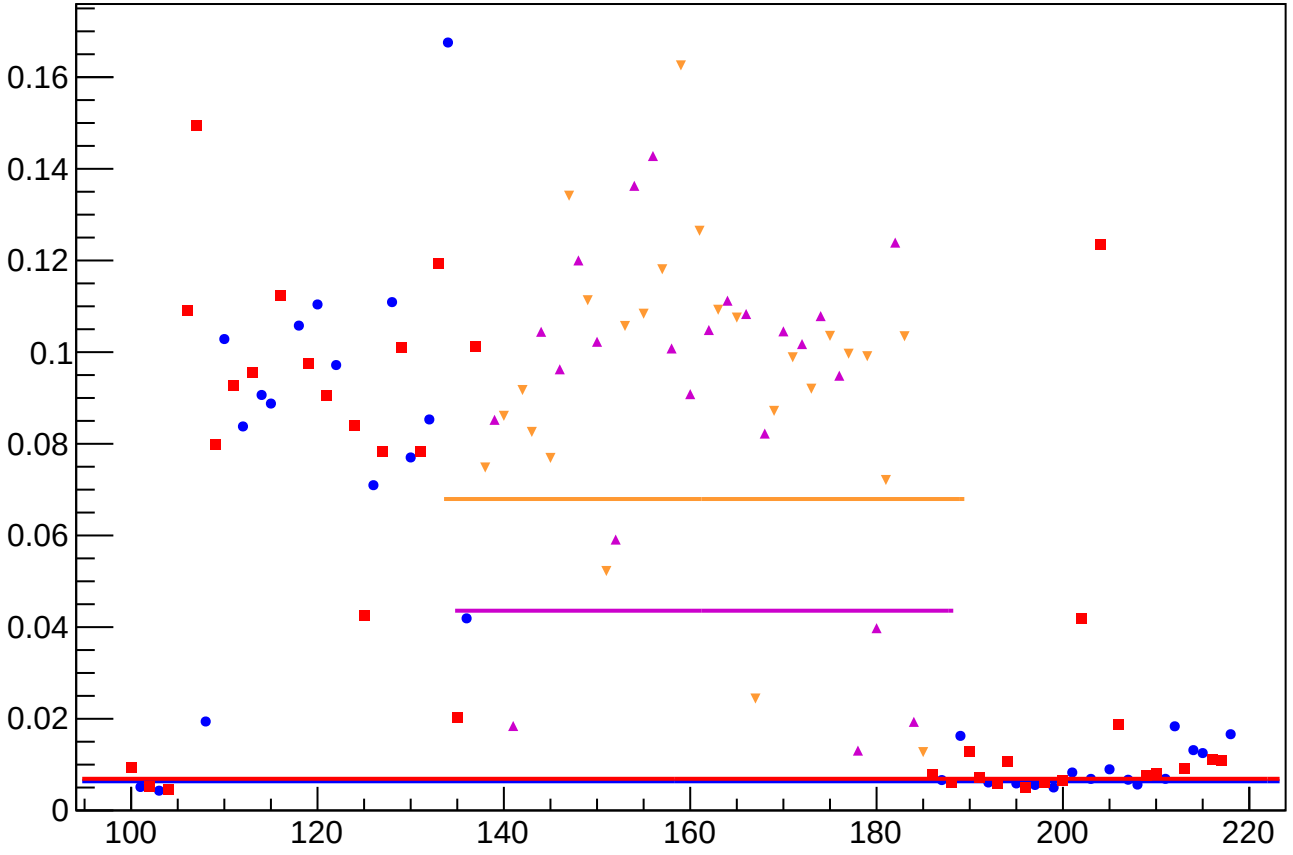
Left In: -4.202+/-0.000 χ^2/NDF:42747893.4/22

+ sign -4.182+/-0.000 χ^2/NDF: 303046683393.2/56

All: -4.090+/-0.000 χ^2/NDF: 614131497862.4

- sign -3.981+/-0.000 χ^2/NDF: 308742309444.5/58

yield_bpm0l03X_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF: 9606527.1/31

Left Out: 0.068+/-0.000 χ^2/NDF:7631751.0/24

Right Out: 0.007+/-0.000 χ^2/NDF: 10893008.1/35

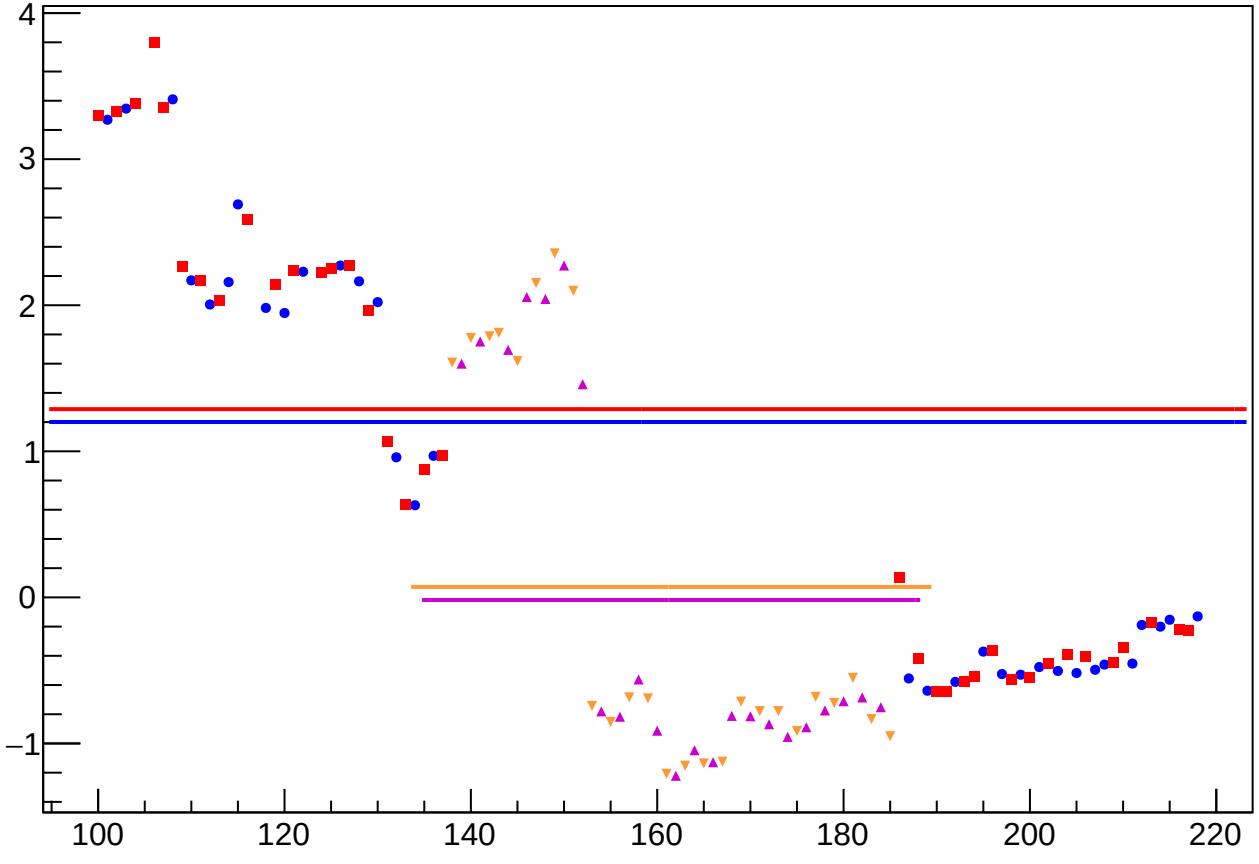
Left In: 0.044+/-0.000 χ^2/NDF:12761920.2/22

+ sign 0.008+/-0.000 χ^2/NDF: 37001818.1/56

All: 0.008+/-0.000 χ^2/NDF: 71291435.5/115

- sign 0.008+/-0.000 χ^2/NDF: 34239146.9/58

yield_bpm0l03Y_mean vs Slug



Right In: 1.201+/-0.000 χ^2/NDF: 241326128399.5/31

Left Out: 0.072+/-0.000 χ^2/NDF:3635027099.6/24

Right Out: 1.289+/-0.000 χ^2/NDF: 220676164112.4/35

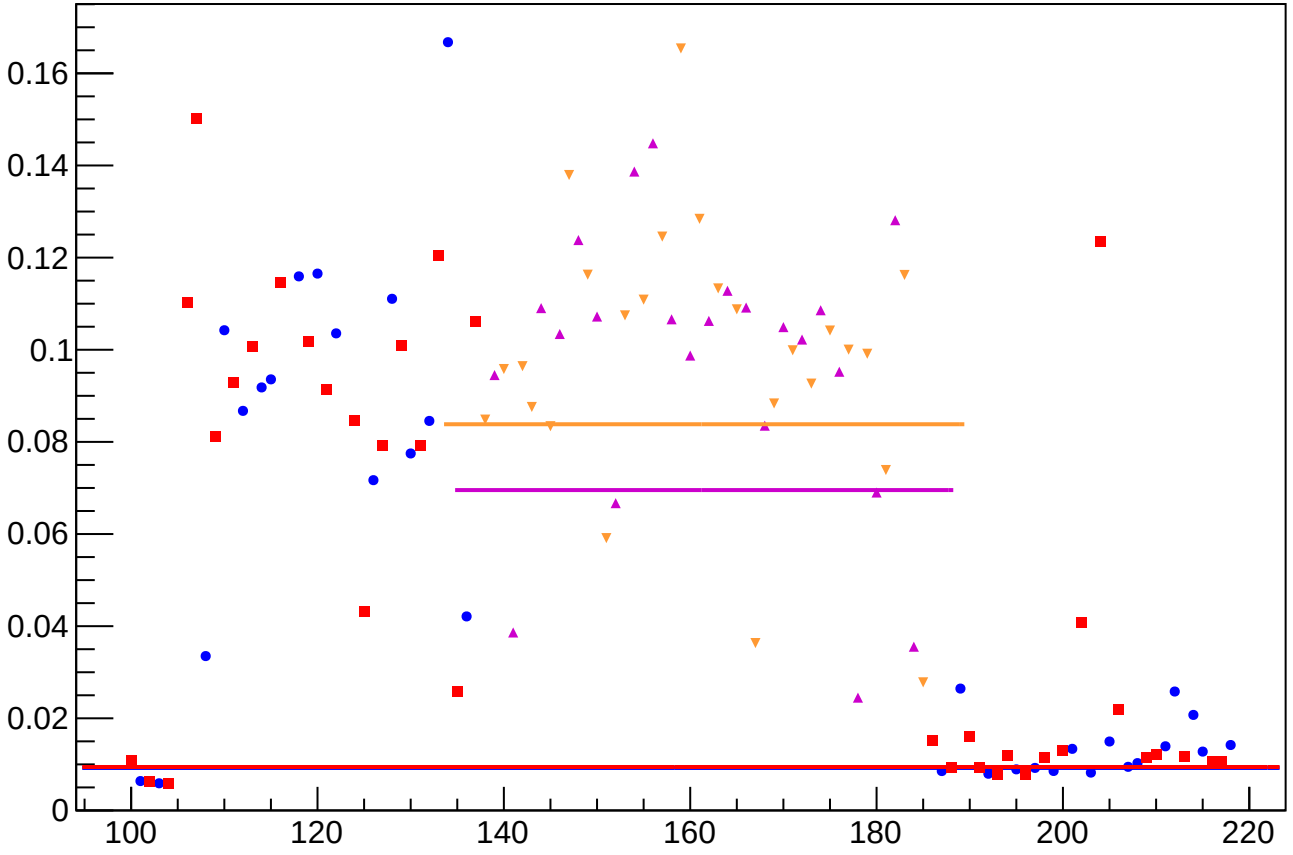
Left In: -0.018+/-0.000 χ^2/NDF:3455714643.1/22

+ sign 1.168+/-0.000 χ^2/NDF: 247508763931.7/56

All: 1.204+/-0.000 χ^2/NDF: 475741166131.0

- sign 1.242+/-0.000 χ^2/NDF: 228045973931.0/58

yield_bpm0l03Y_rms vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 9386726.7/31

Left Out: 0.084+/-0.000 χ^2/NDF:3830160.2/24

Right Out: 0.009+/-0.000 χ^2/NDF: 10533770.5/35

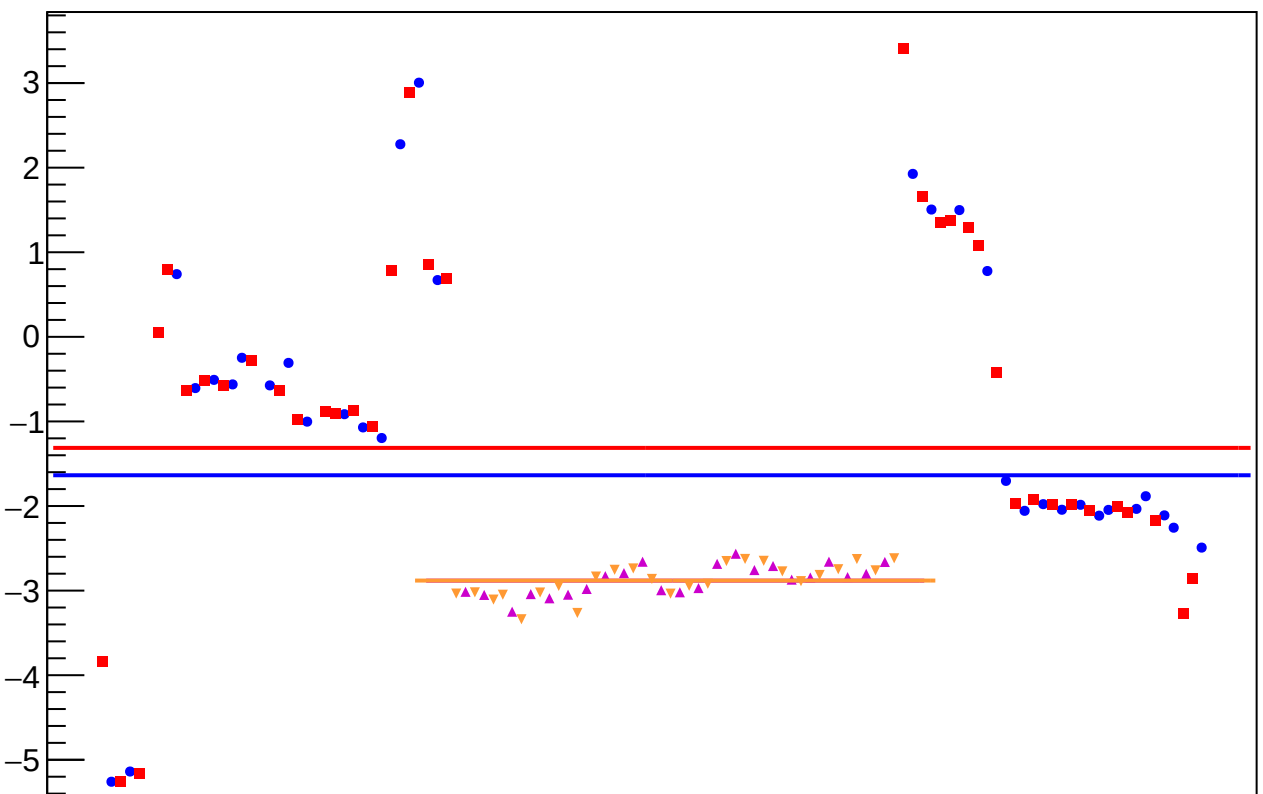
Left In: 0.070+/-0.000 χ^2/NDF:6697383.9/22

+ sign 0.011+/-0.000 χ^2/NDF: 35459120.5/56

All: 0.011+/-0.000 χ^2/NDF: 69260412.3/115

- sign 0.012+/-0.000 χ^2/NDF: 33798159.1/58

yield_bpm0l04X_mean vs Slug



Right In: -1.636+/-0.000 χ^2/NDF: 211057638685.4/31

Left Out: -2.881+/-0.000 χ^2/NDF:10553050715.1/24

Right Out: -1.313+/-0.000 χ^2/NDF: 245487080709.5/35

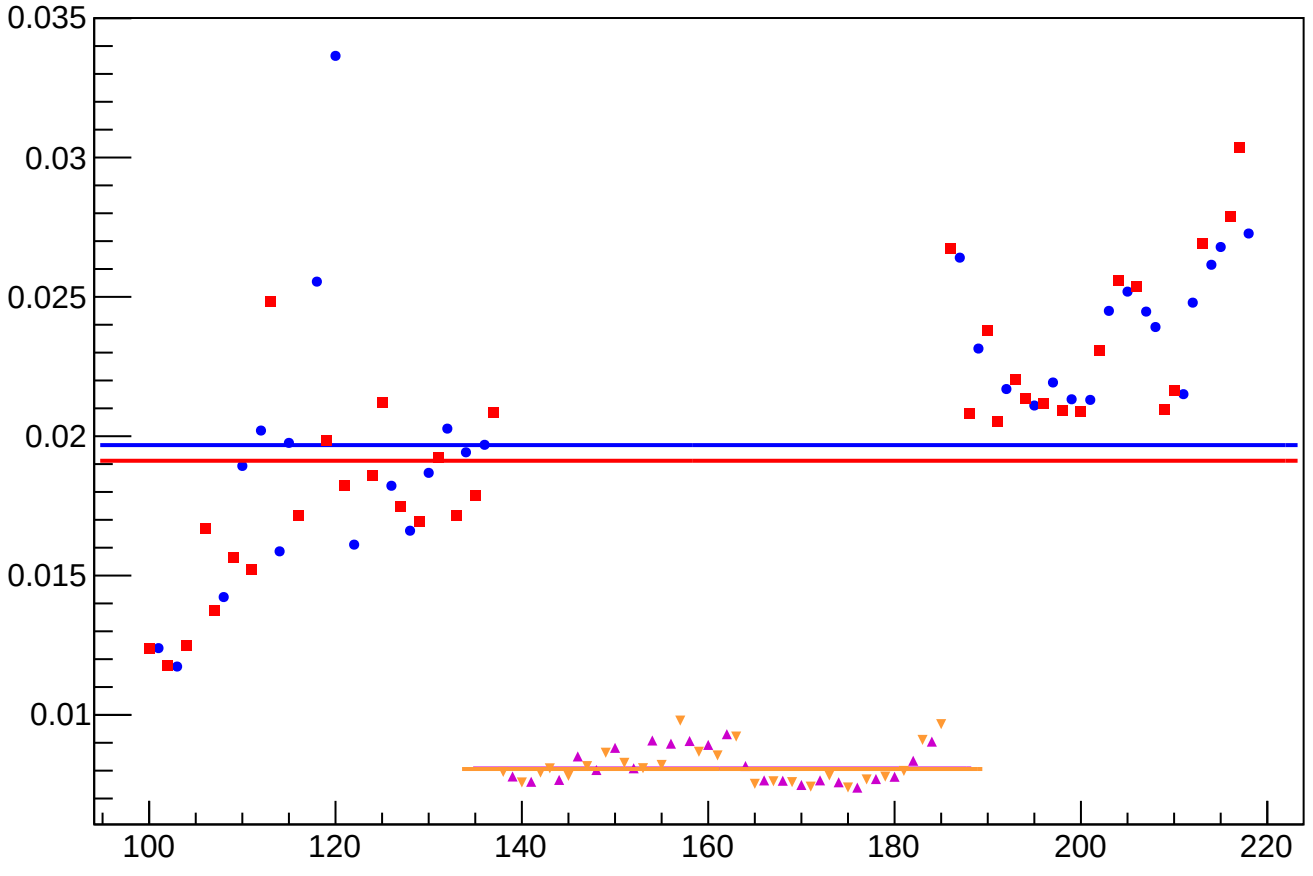
Left In: -2.882+/-0.000 χ^2/NDF:8300047325.0/22

+ sign -2.710+/-0.000 χ^2/NDF: 282002967040.4/56

All: -2.674+/-0.000 χ^2/NDF: 639858636399.2

- sign -2.637+/-0.000 χ^2/NDF: 356979155851.7/58

yield_bpm0l04X_rms vs Slug



Right In: 0.020+/-0.000 χ^2/NDF: 2135694.9/31

Left Out: 0.008+/-0.000 χ^2/NDF:185446.1/24

Right Out: 0.019+/-0.000 χ^2/NDF: 2091877.6/35

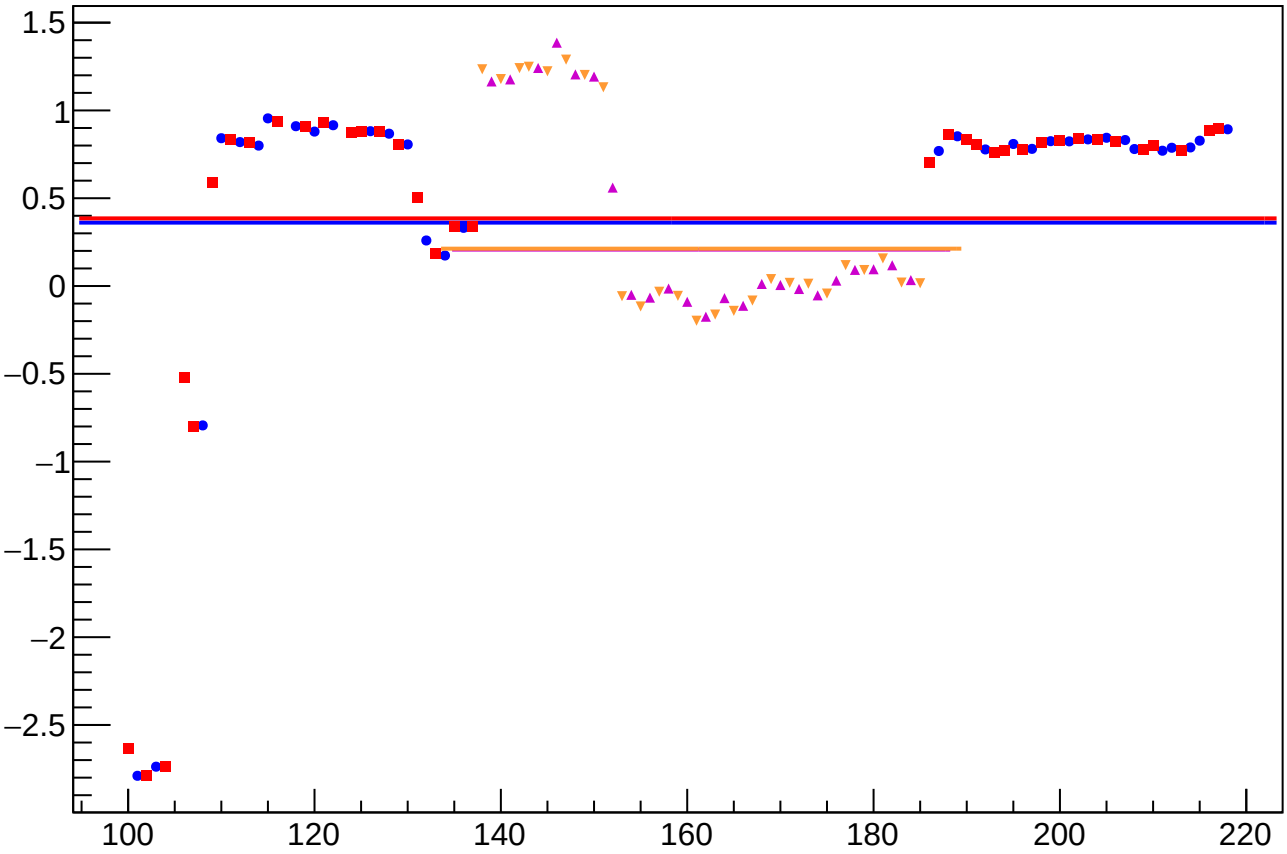
Left In: 0.008+/-0.000 χ^2/NDF:181843.4/22

+ sign 0.010+/-0.000 χ^2/NDF: 12849095.0/56

All: 0.010+/-0.000 χ^2/NDF: 25343249.5/115

- sign 0.010+/-0.000 χ^2/NDF: 12486594.0/58

yield_bpm0l04Y_mean vs Slug



Right In: 0.361+/-0.000 χ^2/NDF: 986486008810.9/31

Left Out: 0.213+/-0.000 χ^2/NDF:102819241186.2/24

Right Out: 0.385+/-0.000 χ^2/NDF: 1069202467091.5/35

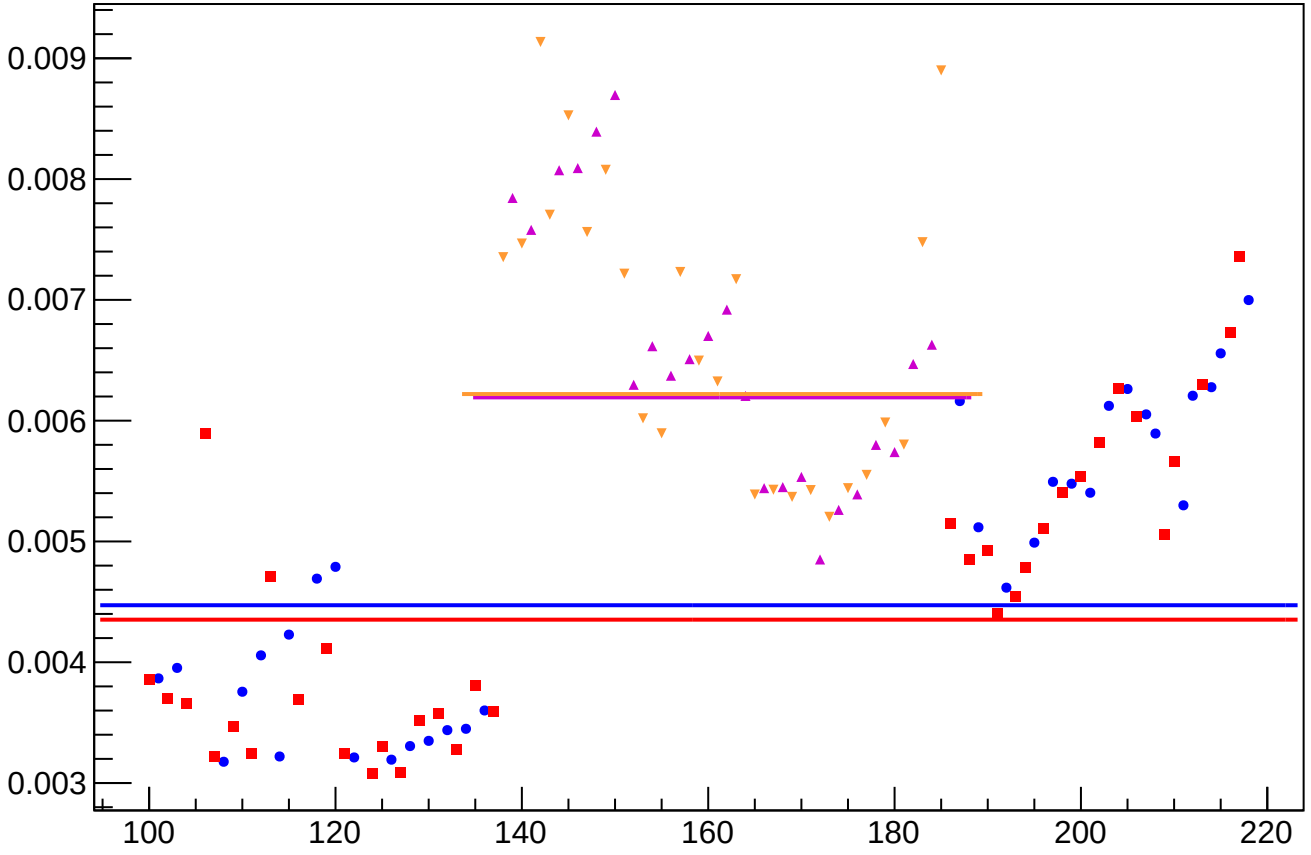
Left In: 0.207+/-0.000 χ^2/NDF:87109076861.7/22

+ sign 0.313+/-0.000 χ^2/NDF: 1095722837800.6/56

All: 0.323+/-0.000 χ^2/NDF: 2261478844209.

- sign 0.333+/-0.000 χ^2/NDF: 1165501570695.3/58

yield_bpm0l04Y_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF: 2387343.5/31

Left Out: 0.006+/-0.000 χ^2/NDF:813678.9/24

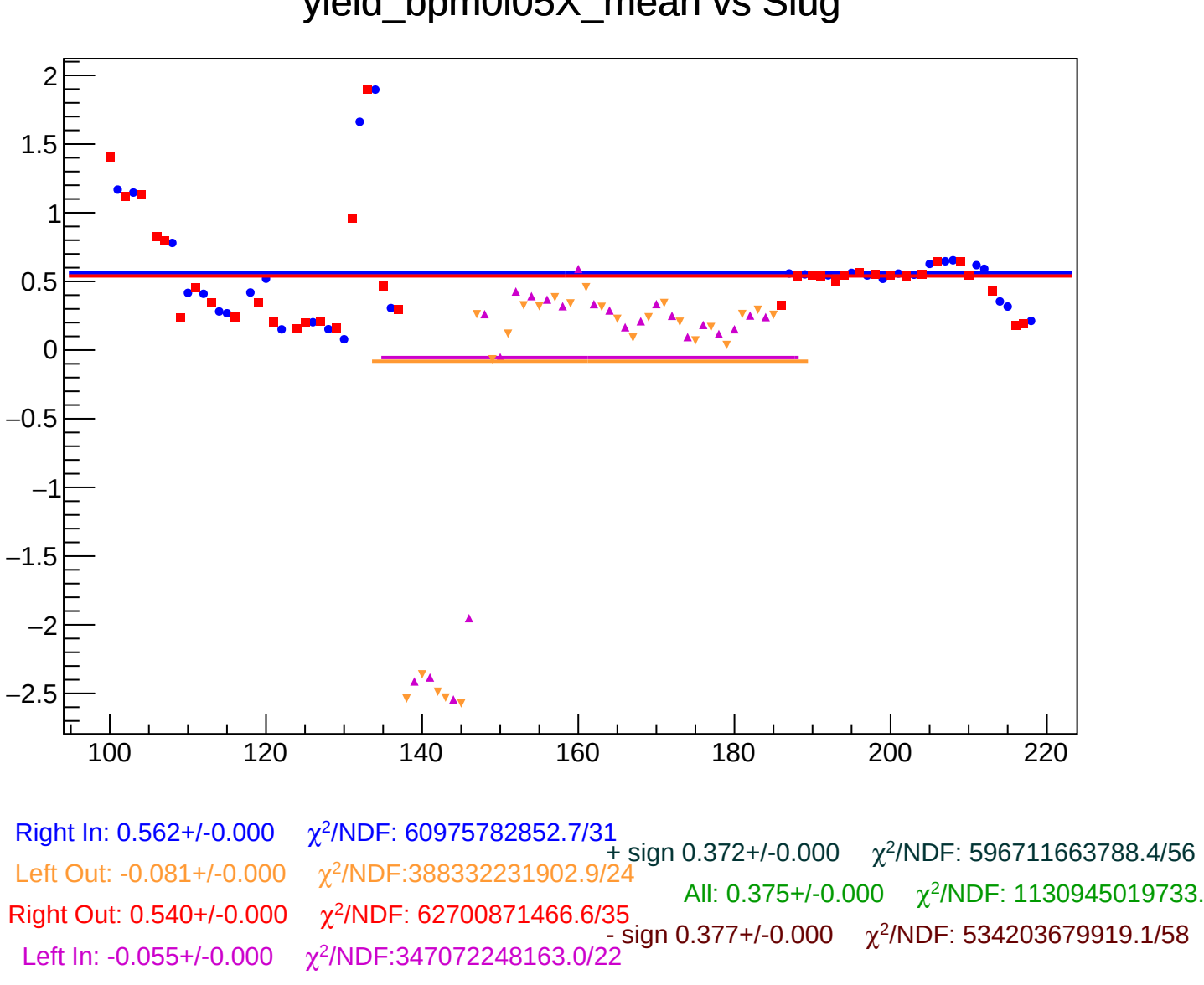
Right Out: 0.004+/-0.000 χ^2/NDF: 2354853.3/35

Left In: 0.006+/-0.000 χ^2/NDF:816234.4/22

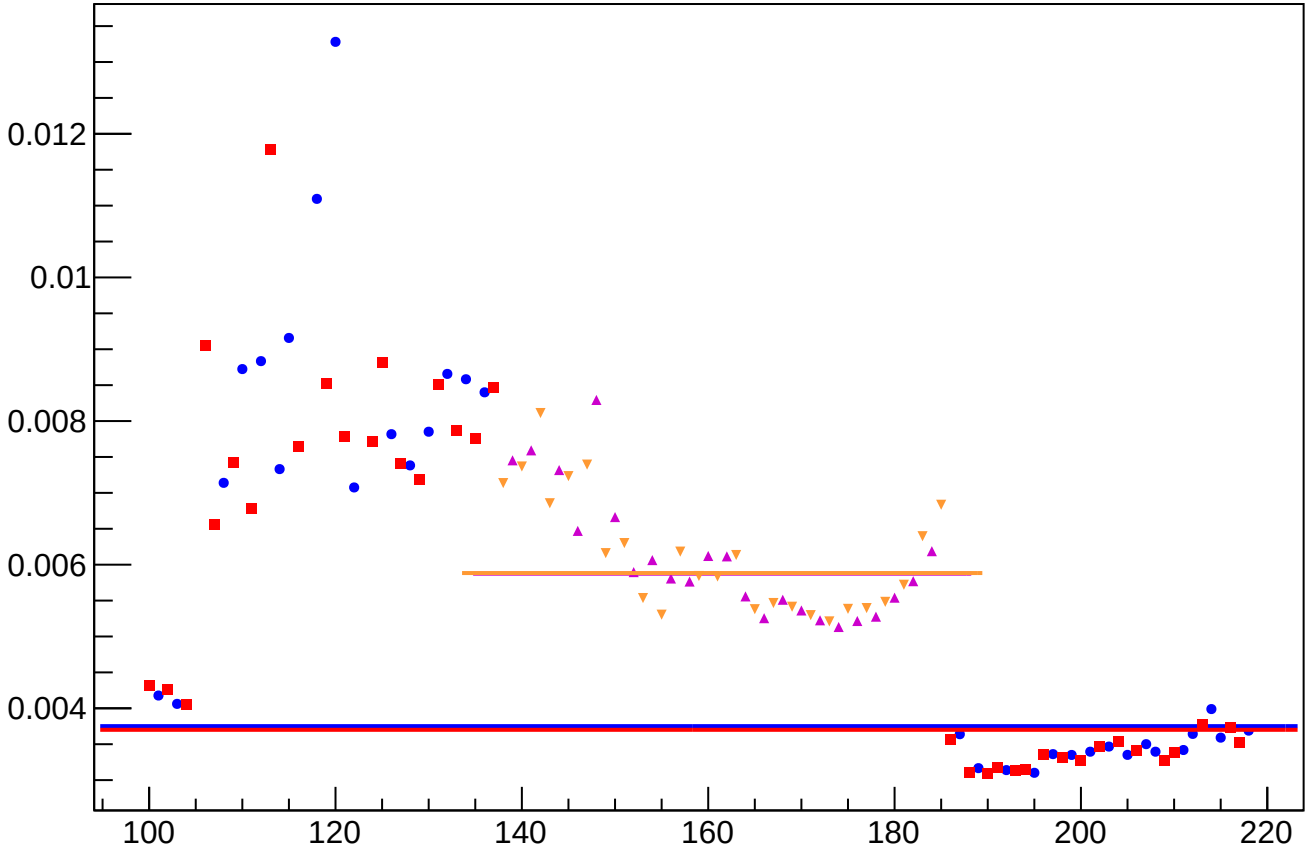
+ sign 0.005+/-0.000 χ^2/NDF: 4983860.1/56

All: 0.005+/-0.000 χ^2/NDF: 10150993.6/115

- sign 0.005+/-0.000 χ^2/NDF: 5140989.9/58


yield_bpm0l05X_mean vs Slug
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
100
120
140
160
180
200
220
Right In: 0.562+/-0.000 χ²/NDF: 60975782852.7/31
Left Out: -0.081+/-0.000 χ²/NDF:388332231902.9/24
Right Out: 0.540+/-0.000 χ²/NDF: 62700871466.6/35
Left In: -0.055+/-0.000 χ²/NDF:347072248163.0/22
+ sign 0.372+/-0.000 χ²/NDF: 596711663788.4/56
All: 0.375+/-0.000 χ²/NDF: 1130945019733.
- sign 0.377+/-0.000 χ²/NDF: 534203679919.1/58

yield_bpm0l05X_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF: 3495968.7/31

Left Out: 0.006+/-0.000 χ^2/NDF:457789.1/24

Right Out: 0.004+/-0.000 χ^2/NDF: 3484157.4/35

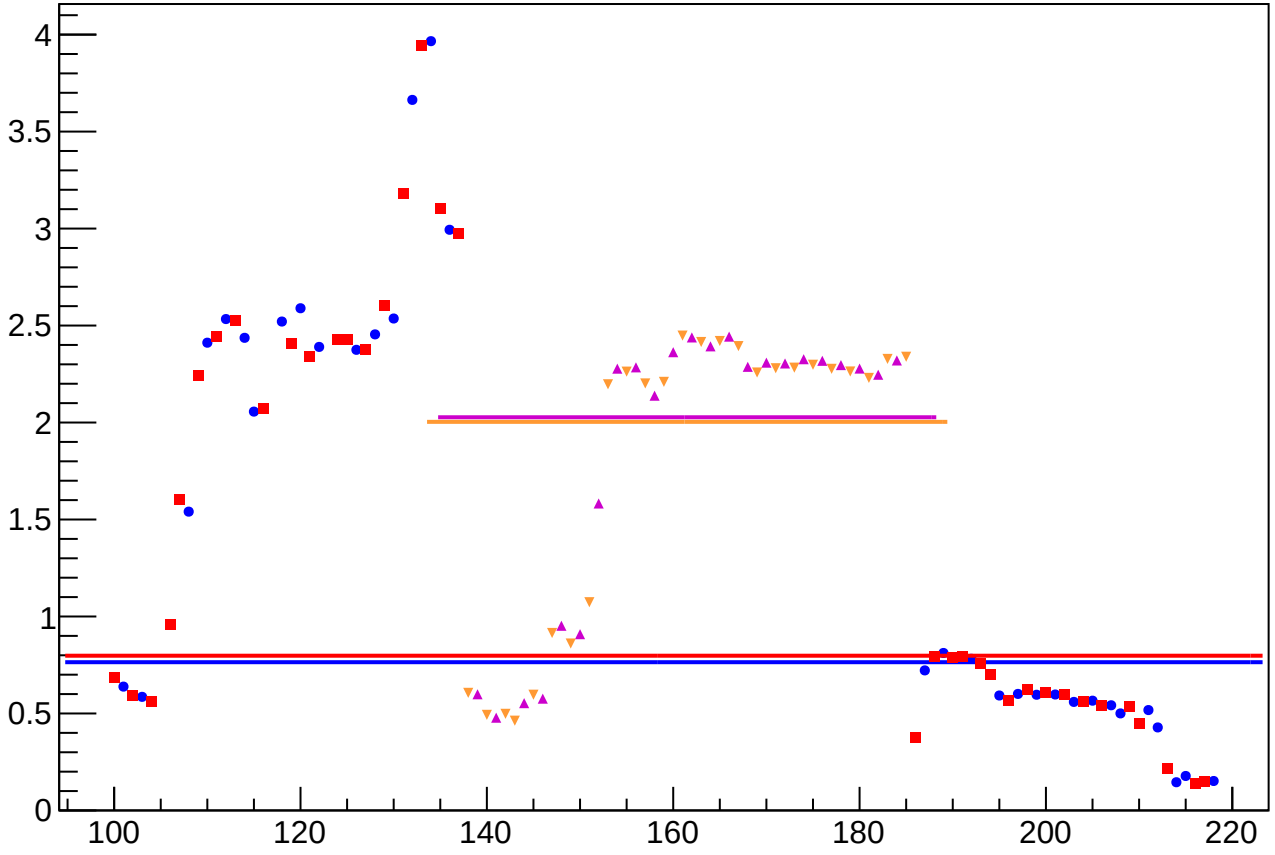
Left In: 0.006+/-0.000 χ^2/NDF:521878.3/22

+ sign 0.004+/-0.000 χ^2/NDF: 7197208.6/56

All: 0.004+/-0.000 χ^2/NDF: 14547530.1/115

- sign 0.004+/-0.000 χ^2/NDF: 7336984.8/58

yield_bpm0l05Y_mean vs Slug



Right In: 0.764+/-0.000 χ^2/NDF: 280476526438.4/31

Left Out: 2.004+/-0.000 χ^2/NDF:219172813454.7/24

Right Out: 0.798+/-0.000 χ^2/NDF: 309410755146.1/35

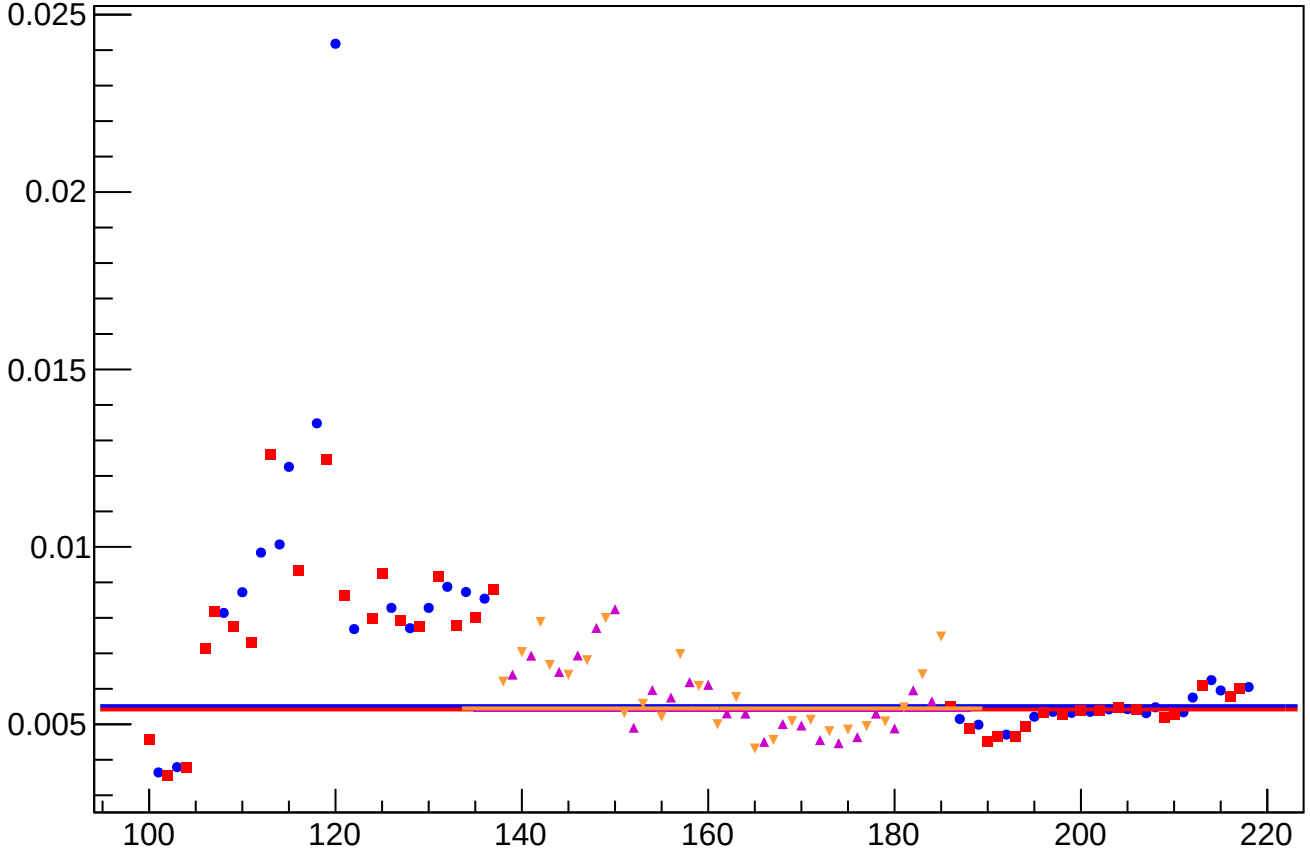
Left In: 2.027+/-0.000 χ^2/NDF:194461333084.6/22

+ sign 1.371+/-0.000 χ^2/NDF: 932264380741.3/56

All: 1.368+/-0.000 χ^2/NDF: 1868544293410.

- sign 1.365+/-0.000 χ^2/NDF: 936264033341.1/58

yield_bpm0l05Y_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF: 2368580.2/31

Left Out: 0.005+/-0.000 χ^2/NDF:771417.6/24

Right Out: 0.005+/-0.000 χ^2/NDF: 2177806.3/35

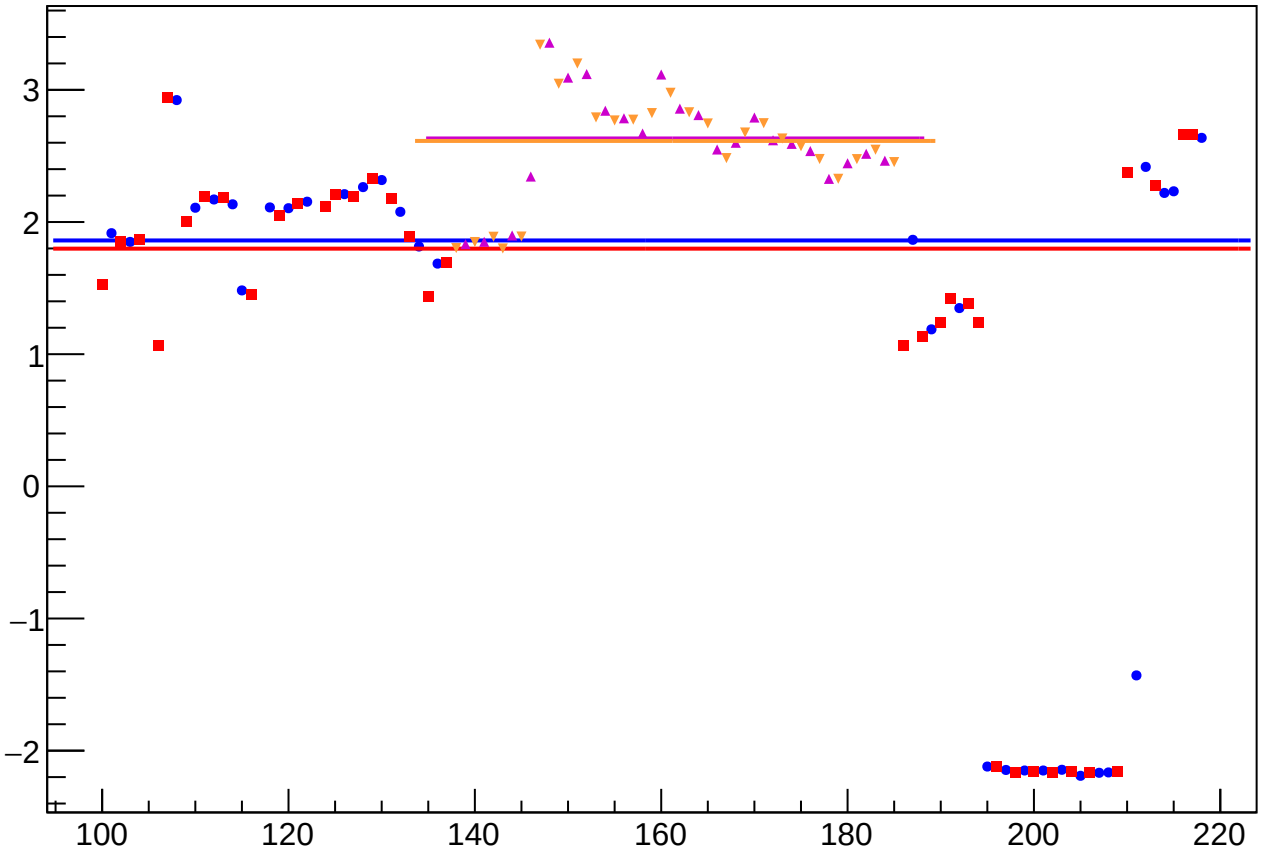
Left In: 0.005+/-0.000 χ^2/NDF:815136.5/22

+ sign 0.005+/-0.000 χ^2/NDF: 3142202.6/56

All: 0.005+/-0.000 χ^2/NDF: 6140627.2/115

- sign 0.005+/-0.000 χ^2/NDF: 2993048.9/58

yield_bpm0l06X_mean vs Slug



Right In: 1.861+/-0.000 χ^2/NDF: 190069254656.6/31

Left Out: 2.614+/-0.000 χ^2/NDF:46402554271.4/24

Right Out: 1.799+/-0.000 χ^2/NDF: 173529338015.3/35

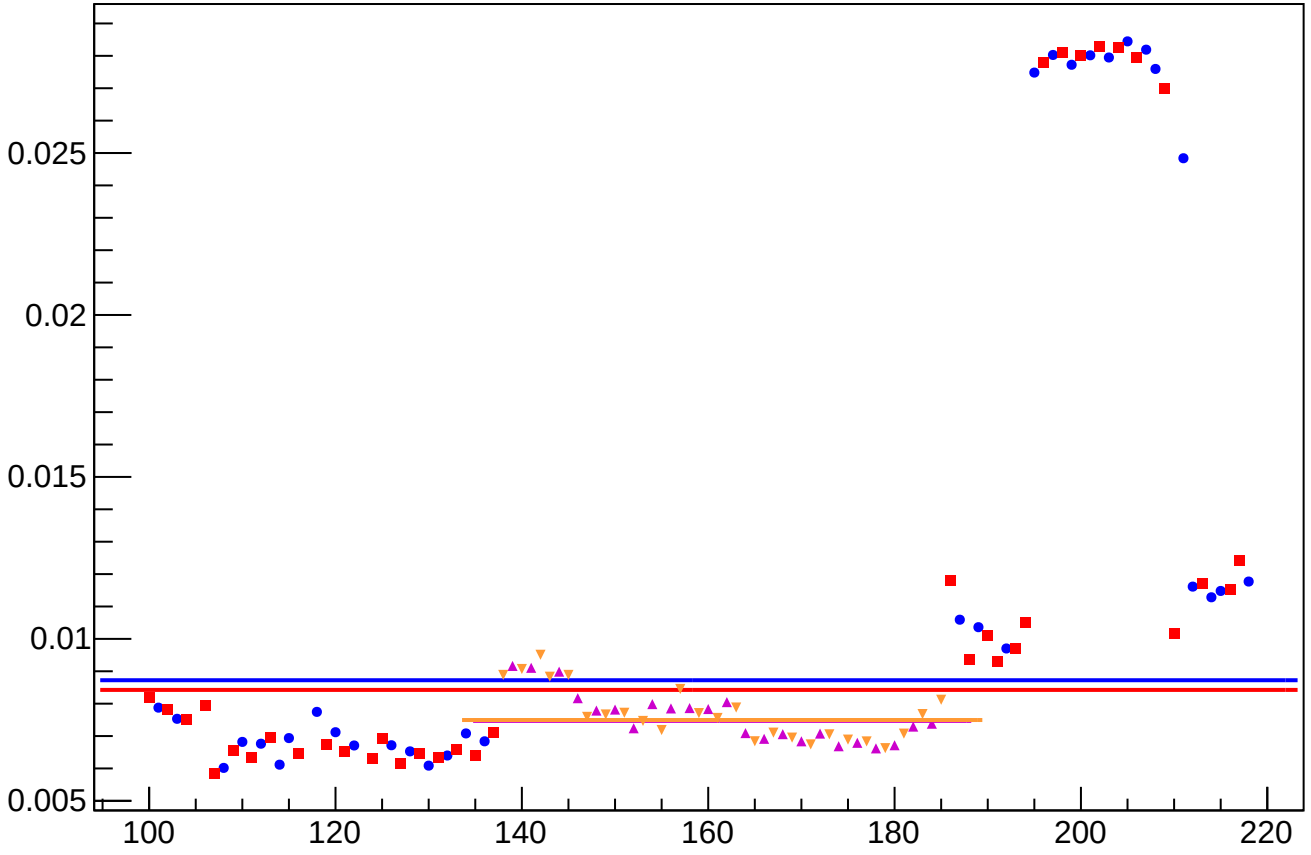
Left In: 2.632+/-0.000 χ^2/NDF:40551967819.7/22

+ sign 2.327+/-0.000 χ^2/NDF: 306174270939.0/56

All: 2.304+/-0.000 χ^2/NDF: 611671533961.0

- sign 2.281+/-0.000 χ^2/NDF: 304940168011.9/58

yield_bpm0l06X_rms vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 8766222.5/31

Left Out: 0.007+/-0.000 χ^2/NDF:332673.2/24

Right Out: 0.008+/-0.000 χ^2/NDF: 7678858.2/35

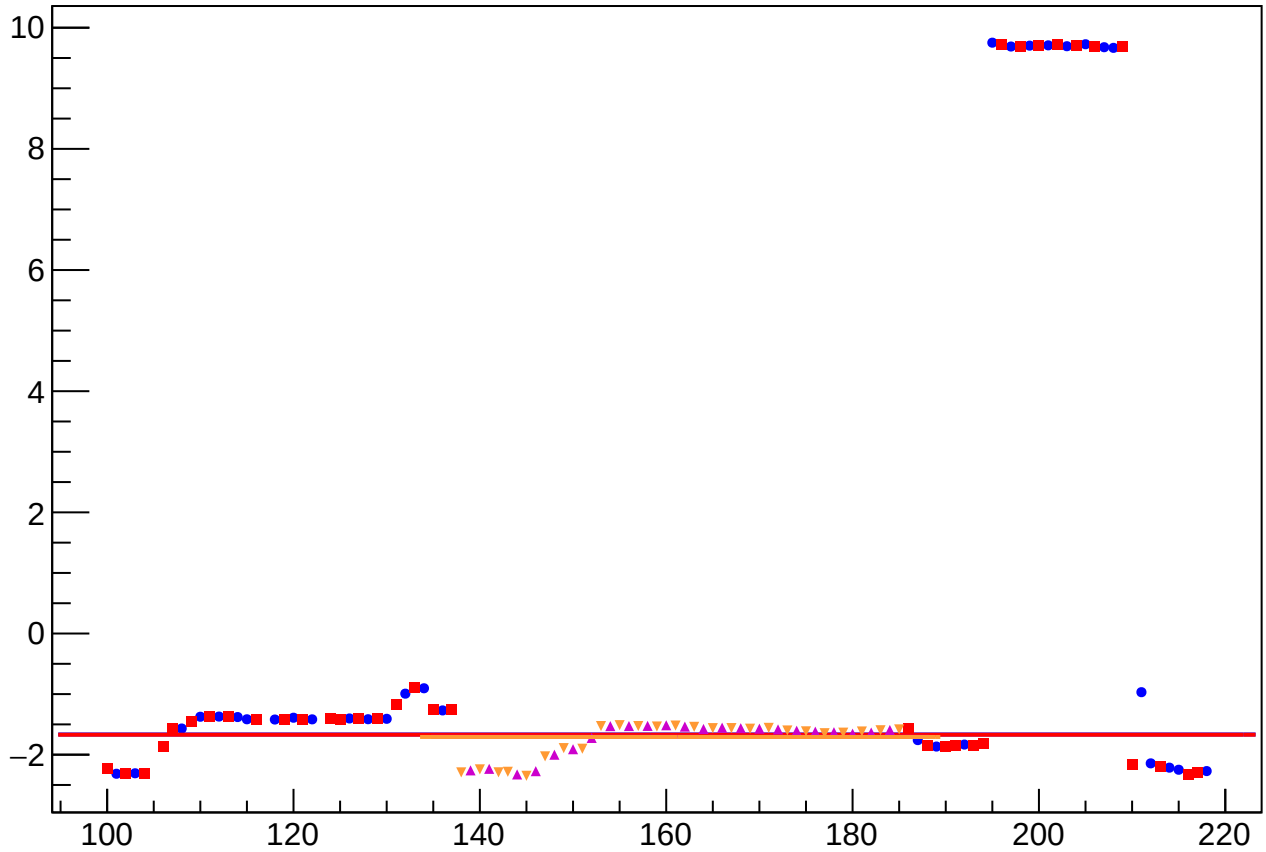
Left In: 0.007+/-0.000 χ^2/NDF:321914.4/22

+ sign 0.008+/-0.000 χ^2/NDF: 9470101.4/56

All: 0.008+/-0.000 χ^2/NDF: 17714859.9/115

- sign 0.008+/-0.000 χ^2/NDF: 8240277.7/58

yield_bpm0l06Y_mean vs Slug



Right In: -1.666+/-0.000 χ^2/NDF: 486489470660.6/31

Left Out: -1.708+/-0.000 χ^2/NDF:151845502556.2/24

Right Out: -1.670+/-0.000 χ^2/NDF: 464528920805.5/35

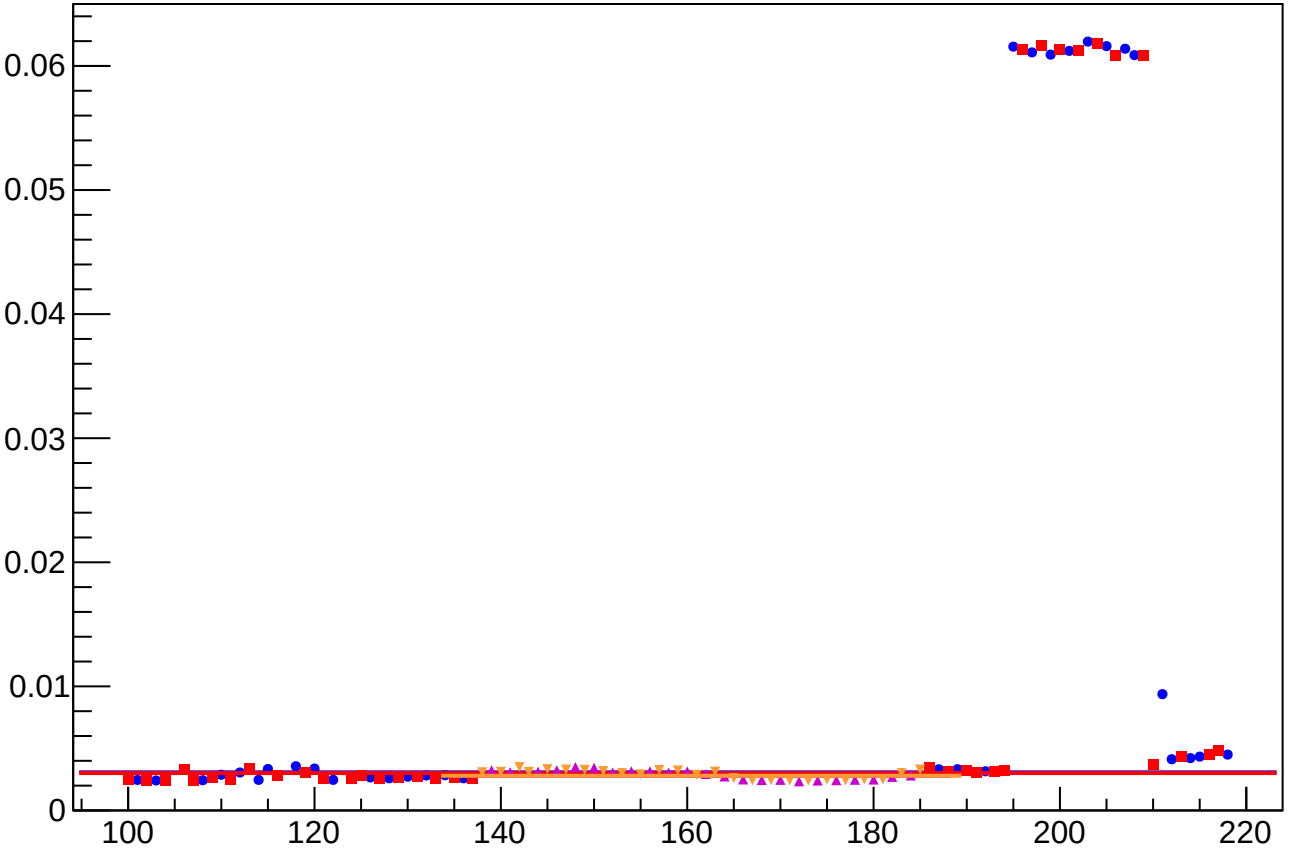
Left In: -1.705+/-0.000 χ^2/NDF:136540618081.0/22

+ sign -1.693+/-0.000 χ^2/NDF: 639724401889.3/56

All: -1.692+/-0.000 χ^2/NDF: 1241883527585

- sign -1.691+/-0.000 χ^2/NDF: 602154631785.2/58

yield_bpm0l06Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 13637397.6/31

Left Out: 0.003+/-0.000 χ^2/NDF:547758.3/24

Right Out: 0.003+/-0.000 χ^2/NDF: 12155312.1/35

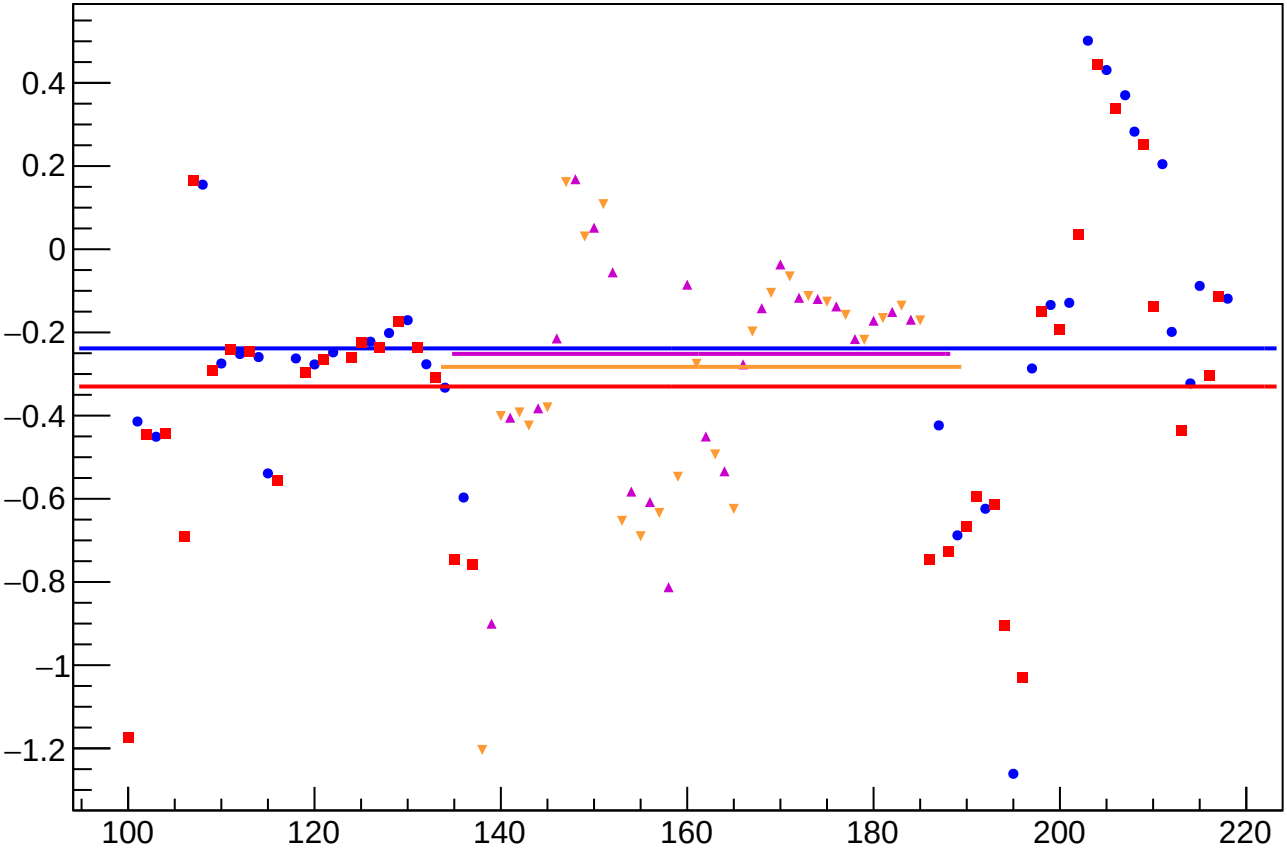
Left In: 0.003+/-0.000 χ^2/NDF:557113.5/22

+ sign 0.003+/-0.000 χ^2/NDF: 14308998.0/56

All: 0.003+/-0.000 χ^2/NDF: 27116696.5/115

- sign 0.003+/-0.000 χ^2/NDF: 12806544.7/58

yield_bpm0l07X_mean vs Slug



Right In: -0.238+/-0.000 χ^2/NDF: 9798159586.6/31

Left Out: -0.283+/-0.000 χ^2/NDF:9343511244.8/24

Right Out: -0.330+/-0.000 χ^2/NDF: 9996967224.0/35

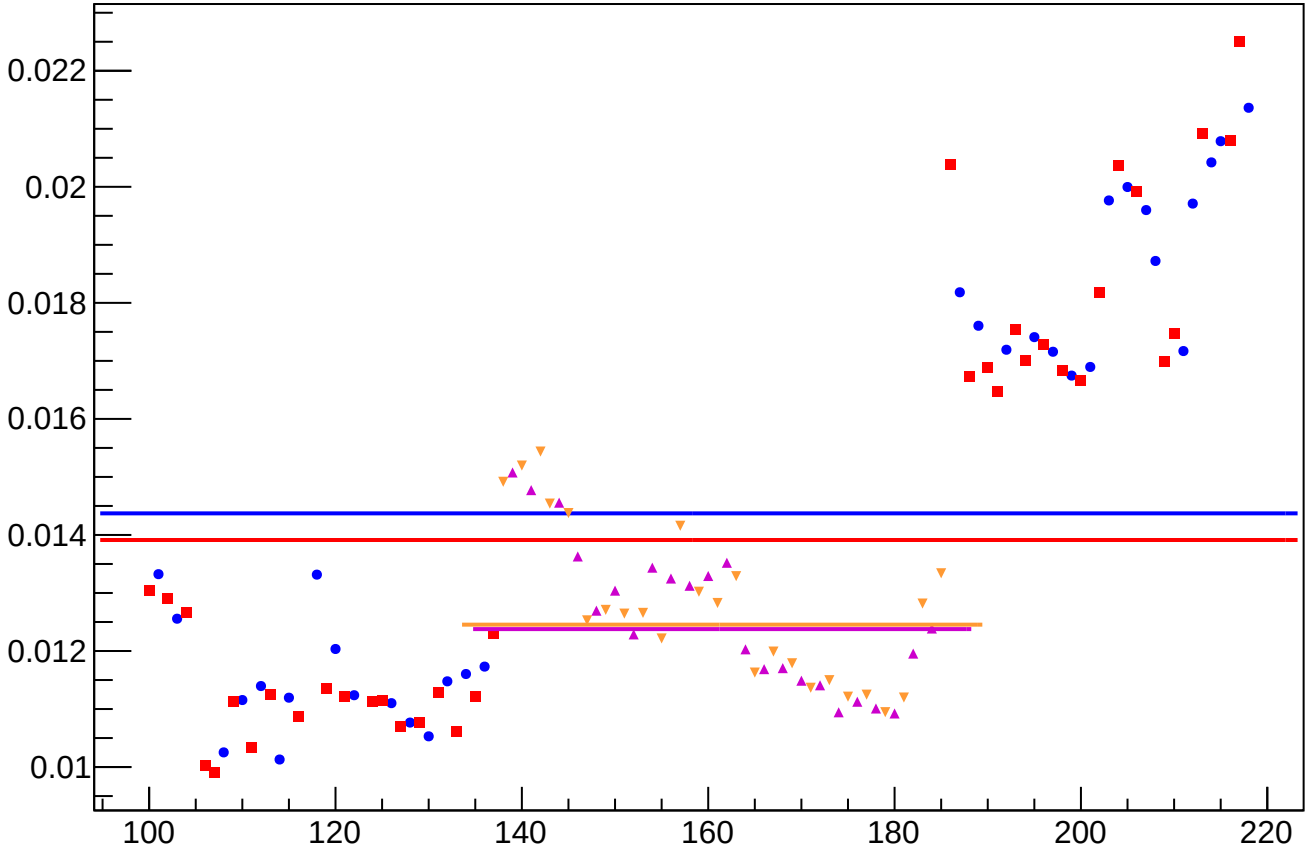
Left In: -0.252+/-0.000 χ^2/NDF:7167367678.6/22

+ sign -0.264+/-0.000 χ^2/NDF: 19241415883.9/56

All: -0.276+/-0.000 χ^2/NDF: 36786763801.4/

- sign -0.288+/-0.000 χ^2/NDF: 17485348515.1/58

yield_bpm0l07X_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF: 2320618.3/31

Left Out: 0.012+/-0.000 χ^2/NDF:341430.5/24

Right Out: 0.014+/-0.000 χ^2/NDF: 2541912.6/35

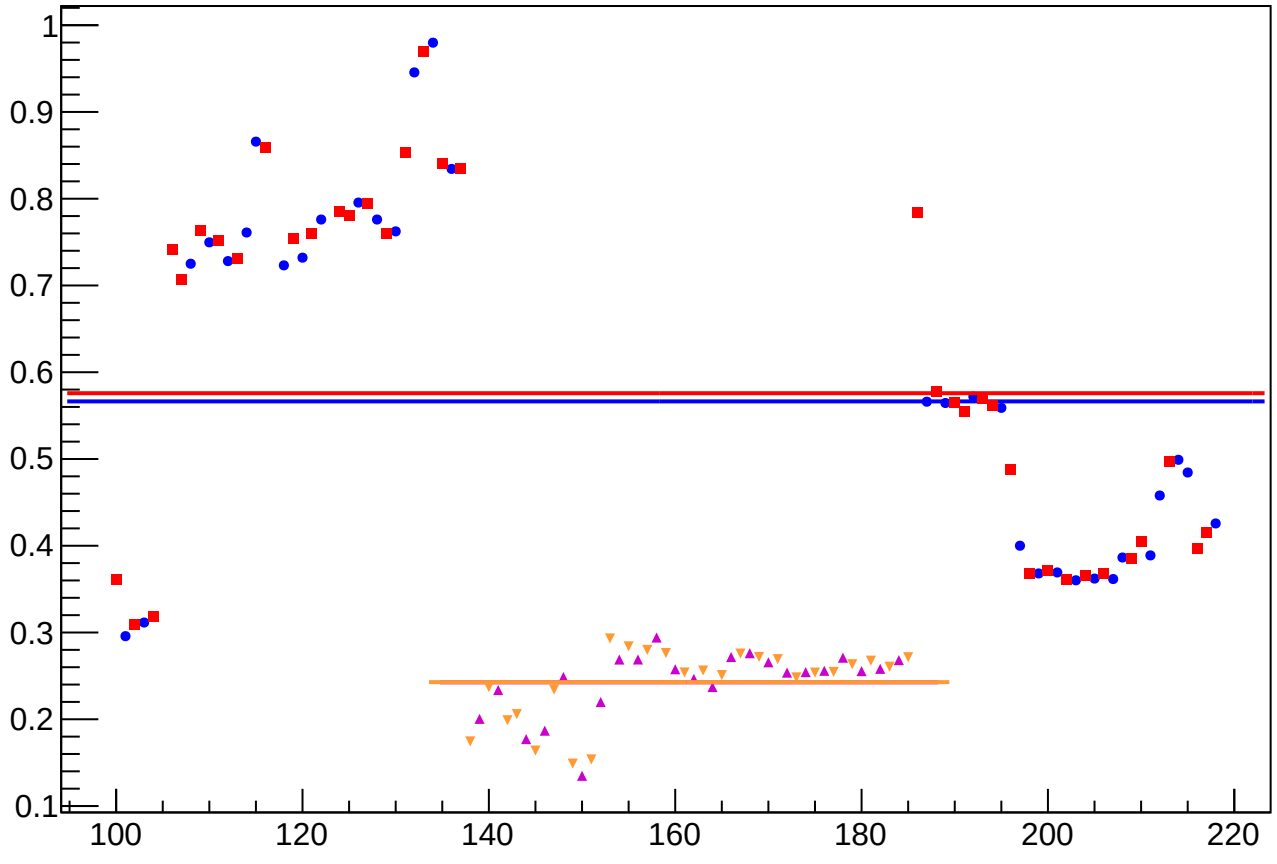
Left In: 0.012+/-0.000 χ^2/NDF:326925.9/22

+ sign 0.013+/-0.000 χ^2/NDF: 3033611.9/56

All: 0.013+/-0.000 χ^2/NDF: 6155831.1/115

- sign 0.013+/-0.000 χ^2/NDF: 3114583.4/58

yield_bpm0l07Y_mean vs Slug



Right In: 0.566+/-0.000 χ^2/NDF: 100192295091.7/31

Left Out: 0.243+/-0.000 χ^2/NDF:7290530687.7/24

Right Out: 0.576+/-0.000 χ^2/NDF: 96740587872.4/35

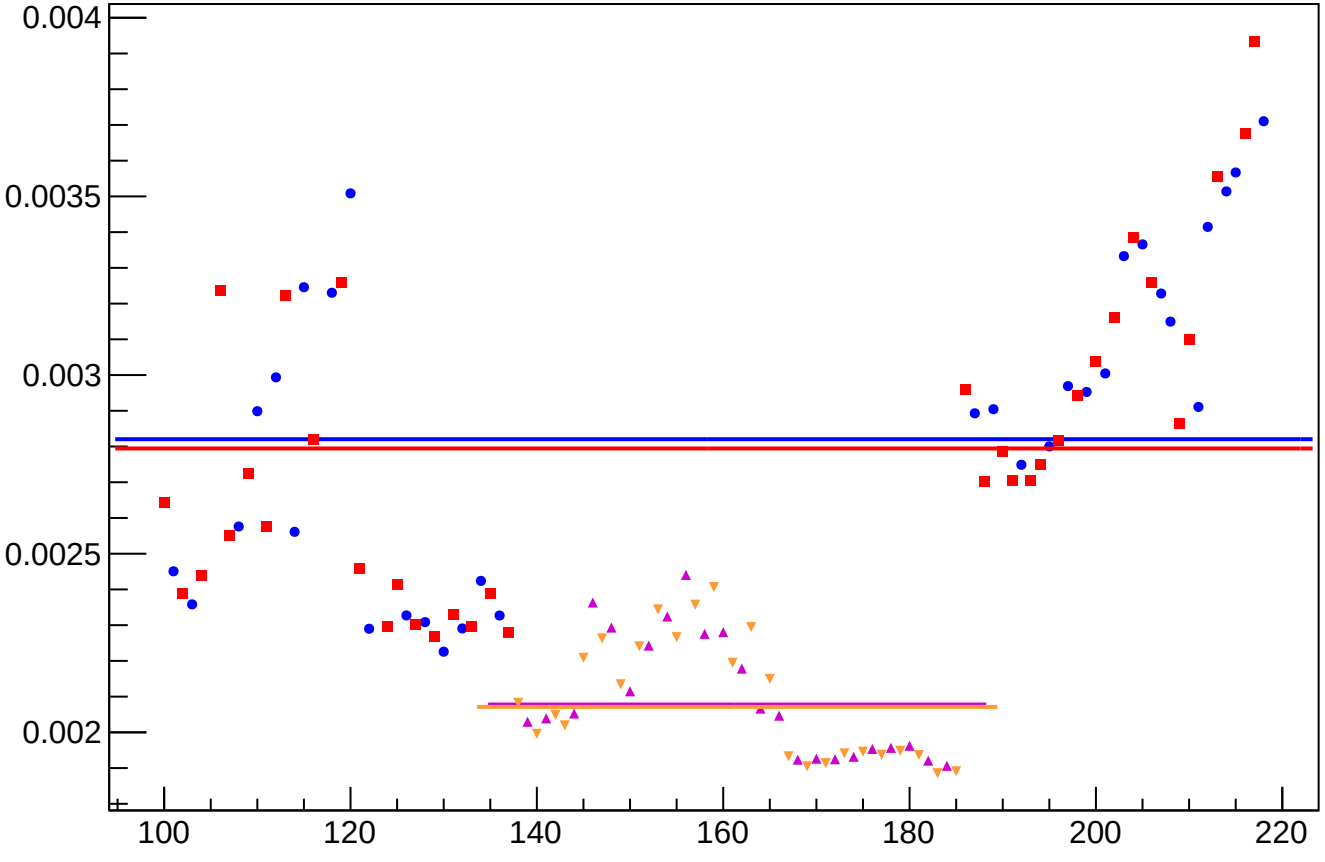
Left In: 0.243+/-0.000 χ^2/NDF:5781231269.1/22

+ sign 0.356+/-0.000 χ^2/NDF: 270580275934.0/56

All: 0.362+/-0.000 χ^2/NDF: 547458126433.1

- sign 0.367+/-0.000 χ^2/NDF: 276462101313.2/58

yield_bpm0l07Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 919732.8/31

Left Out: 0.002+/-0.000 χ^2/NDF:233799.0/24

Right Out: 0.003+/-0.000 χ^2/NDF: 829676.3/35

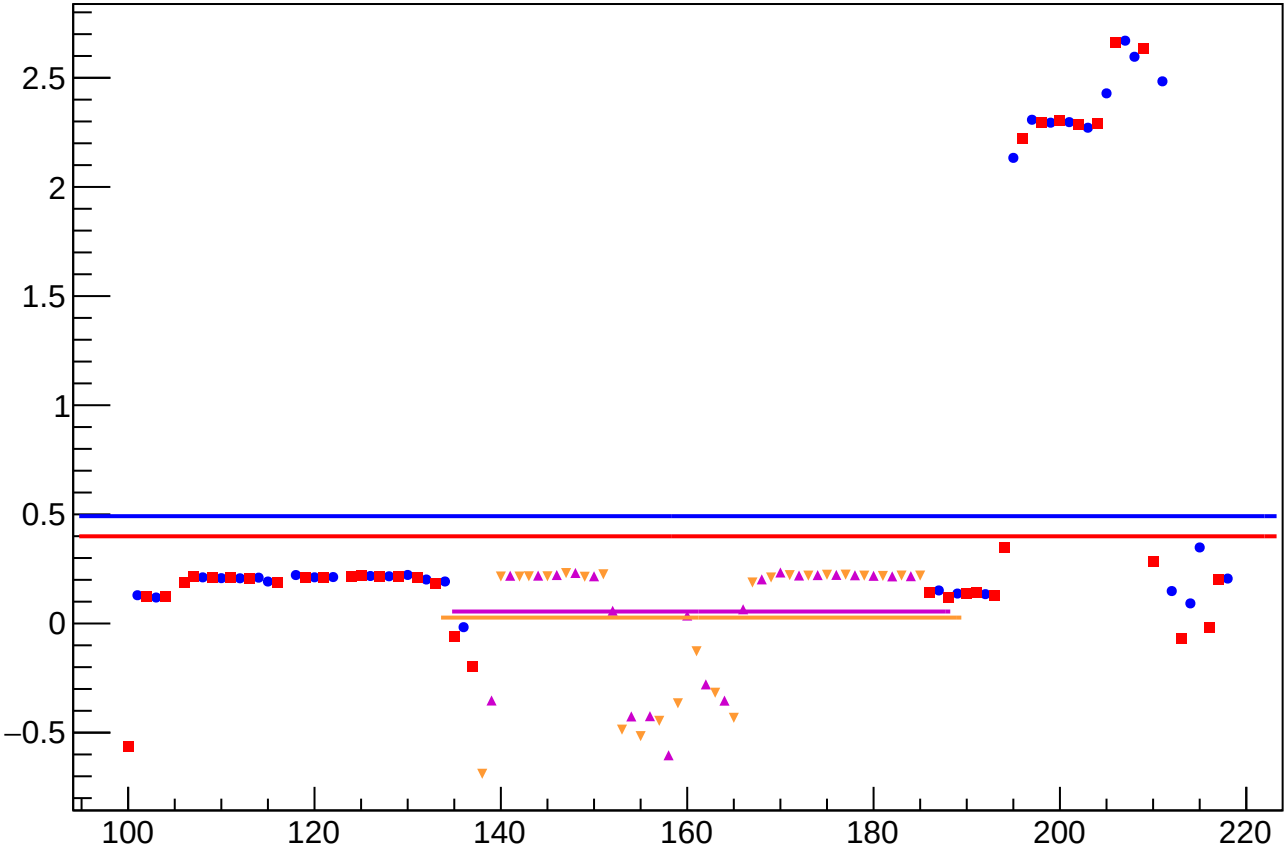
Left In: 0.002+/-0.000 χ^2/NDF:211544.0/22

+ sign 0.002+/-0.000 χ^2/NDF: 2902275.2/56

All: 0.002+/-0.000 χ^2/NDF: 5553396.4/115

- sign 0.002+/-0.000 χ^2/NDF: 2650099.5/58

yield_bpm0l08X_mean vs Slug



Right In: 0.492+/-0.000 χ^2/NDF: 61963276915.7/31

Left Out: 0.027+/-0.000 χ^2/NDF:12975171876.0/24

Right Out: 0.399+/-0.000 χ^2/NDF: 55220795495.1/35

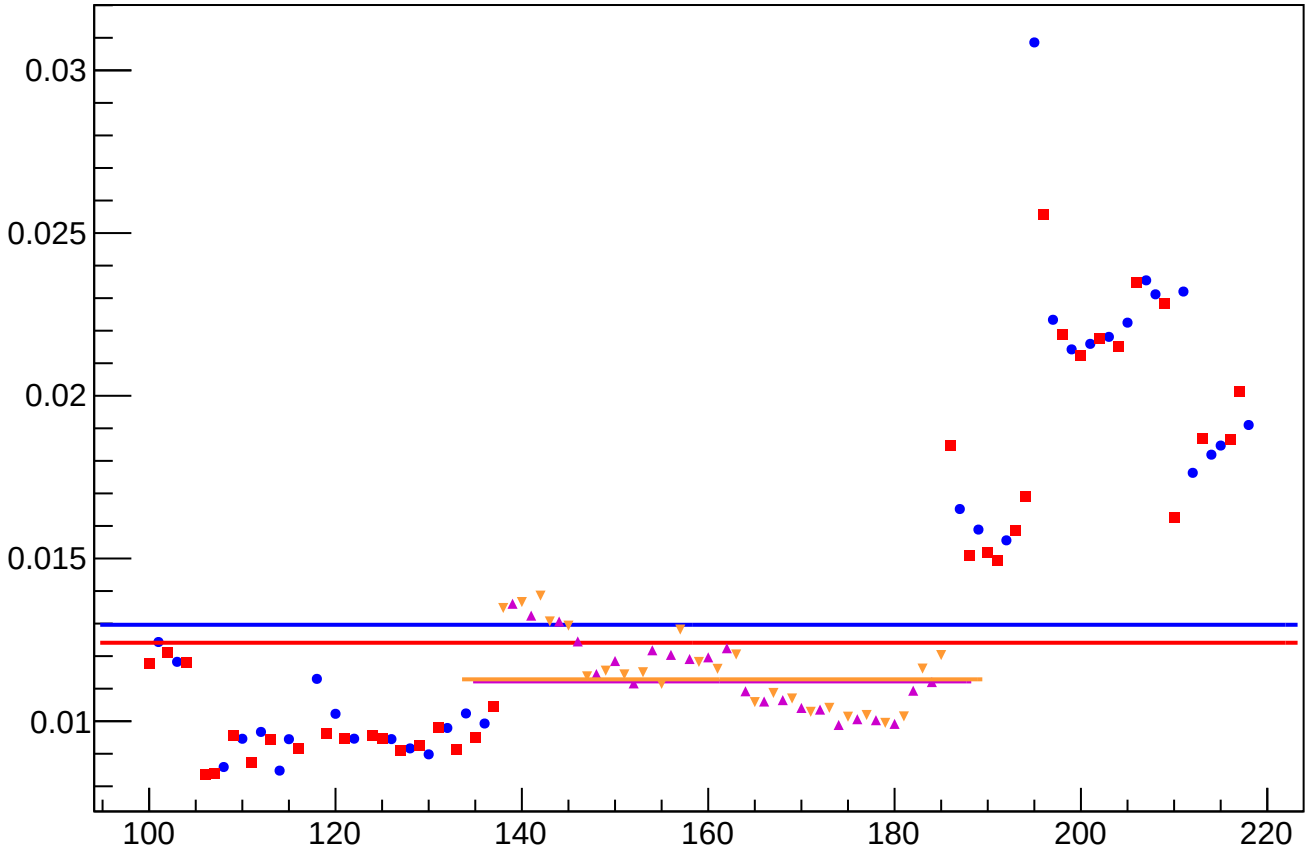
Left In: 0.055+/-0.000 χ^2/NDF:9704180322.0/22

+ sign 0.219+/-0.000 χ^2/NDF: 87761561828.6/56

All: 0.215+/-0.000 χ^2/NDF: 160105367500.9

- sign 0.211+/-0.000 χ^2/NDF: 72335620822.0/58

yield_bpm0l08X_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF: 5161492.6/31

Left Out: 0.011+/-0.000 χ^2/NDF:328248.0/24

Right Out: 0.012+/-0.000 χ^2/NDF: 4939538.6/35

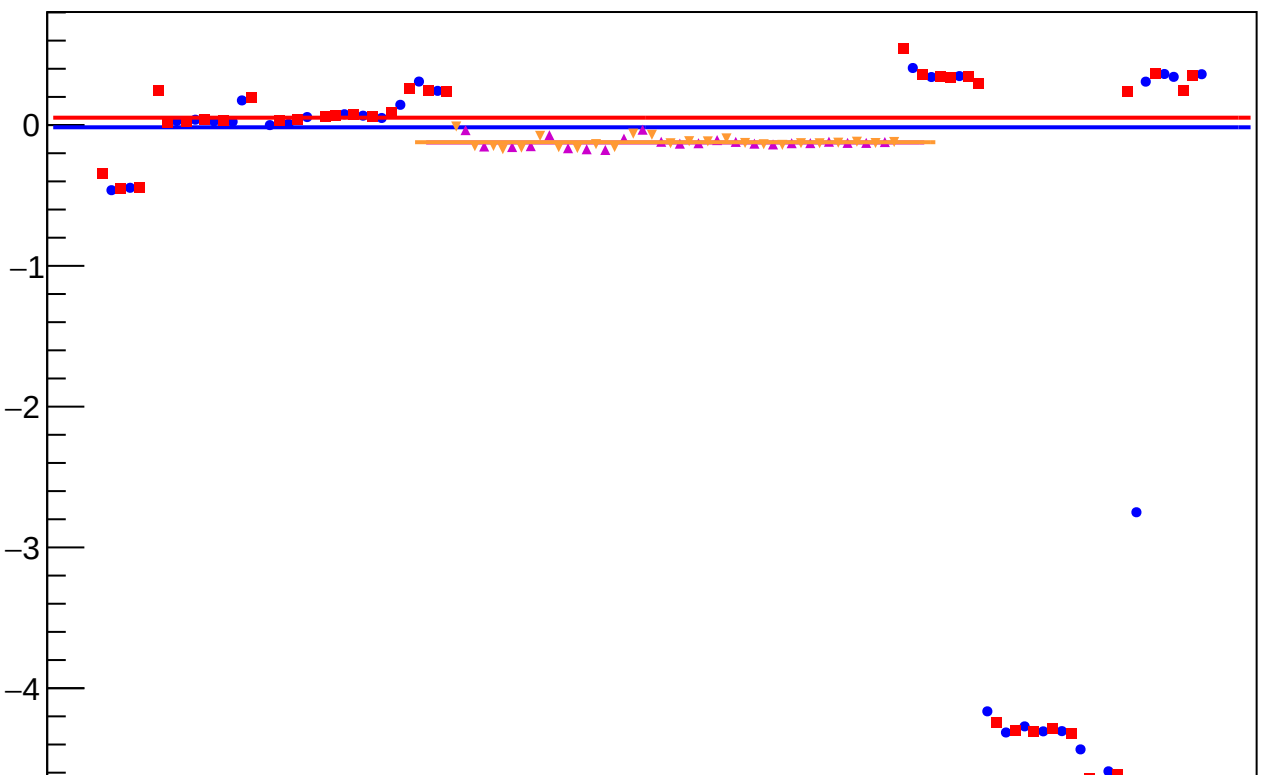
Left In: 0.011+/-0.000 χ^2/NDF:315246.6/22

+ sign 0.012+/-0.000 χ^2/NDF: 5823562.5/56

All: 0.012+/-0.000 χ^2/NDF: 11266336.2/115

- sign 0.012+/-0.000 χ^2/NDF: 5430900.7/58

yield_bpm0l08Y_mean vs Slug



Right In: -0.016+/-0.000 χ^2/NDF: 443981286515.3/31

Left Out: -0.122+/-0.000 χ^2/NDF:2922583819.6/24

Right Out: 0.053+/-0.000 χ^2/NDF: 403308953032.6/35

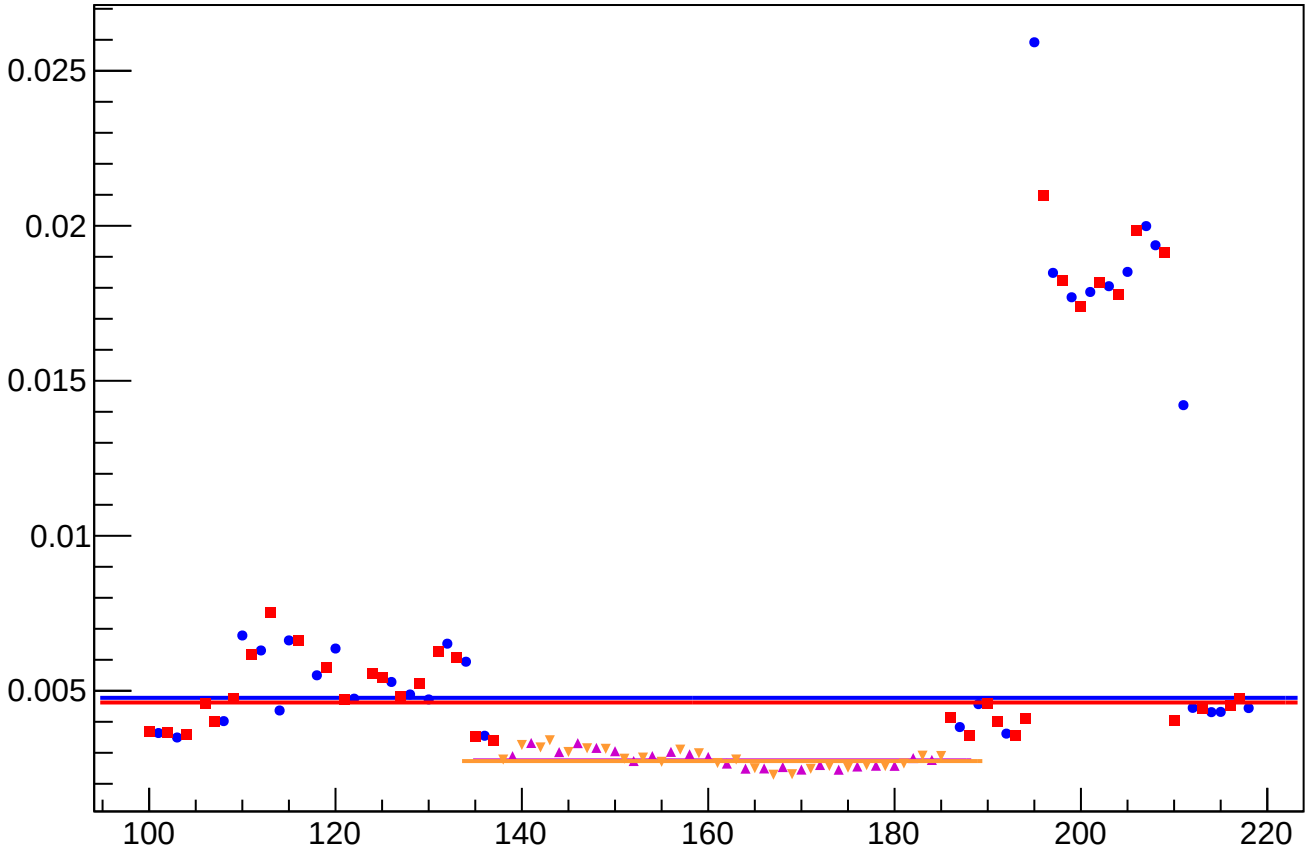
Left In: -0.124+/-0.000 χ^2/NDF:2809457047.2/22

+ sign -0.100+/-0.000 χ^2/NDF: 452496948442.3/56

All: -0.091+/-0.000 χ^2/NDF: 876045166002.4

- sign -0.082+/-0.000 χ^2/NDF: 423022707266.4/58

yield_bpm0l08Y_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF: 9357121.4/31

Left Out: 0.003+/-0.000 χ^2/NDF:391885.5/24

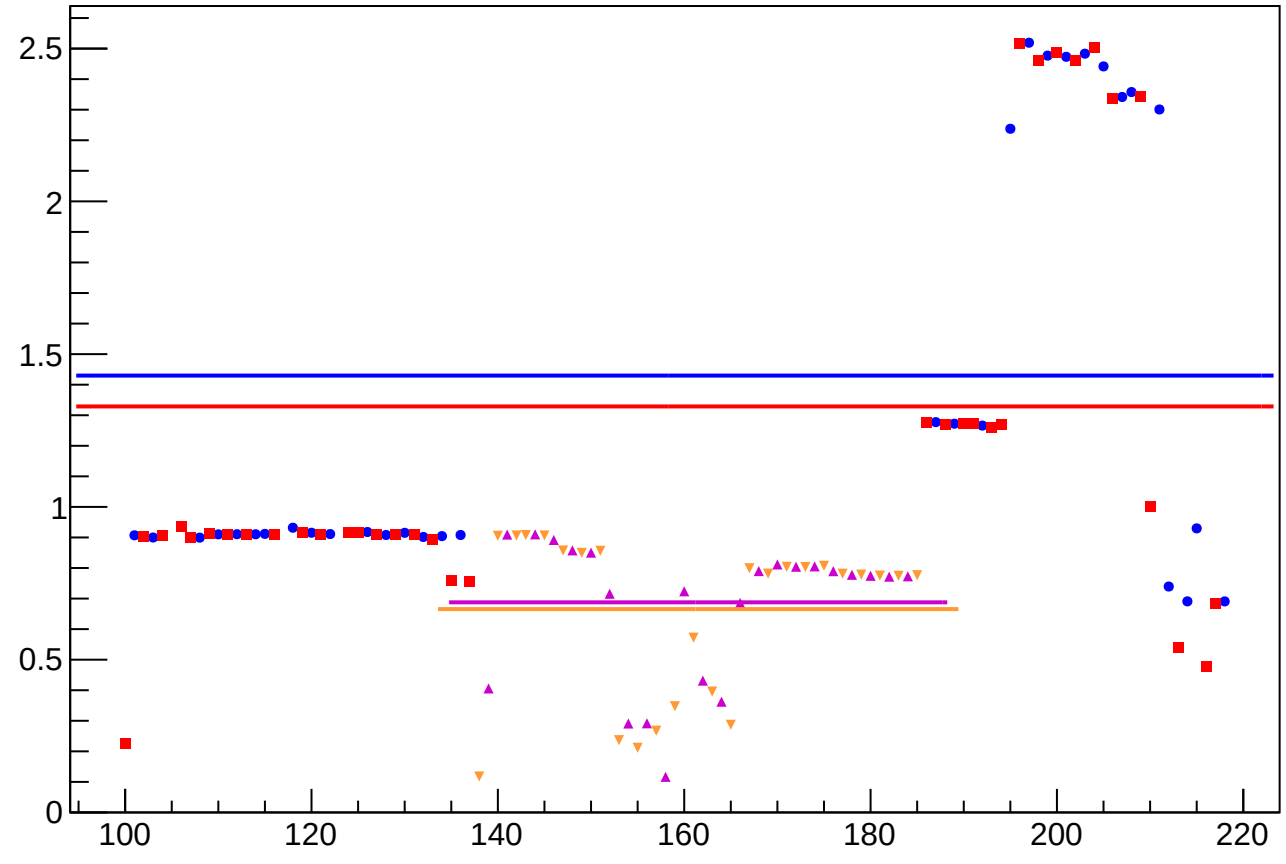
Right Out: 0.005+/-0.000 χ^2/NDF: 8011069.2/35

Left In: 0.003+/-0.000 χ^2/NDF:293113.7/22

+ sign 0.003+/-0.000 χ^2/NDF: 13896195.4/56

All: 0.003+/-0.000 χ^2/NDF: 26003900.4/115

- sign 0.003+/-0.000 χ^2/NDF: 12098674.0/58



Right In: 1.430+/-0.000 χ^2/NDF: 58183585275.1/31

Left Out: 0.666+/-0.000 χ^2/NDF:9213839939.9/24

Right Out: 1.329+/-0.000 χ^2/NDF: 56313108273.8/35

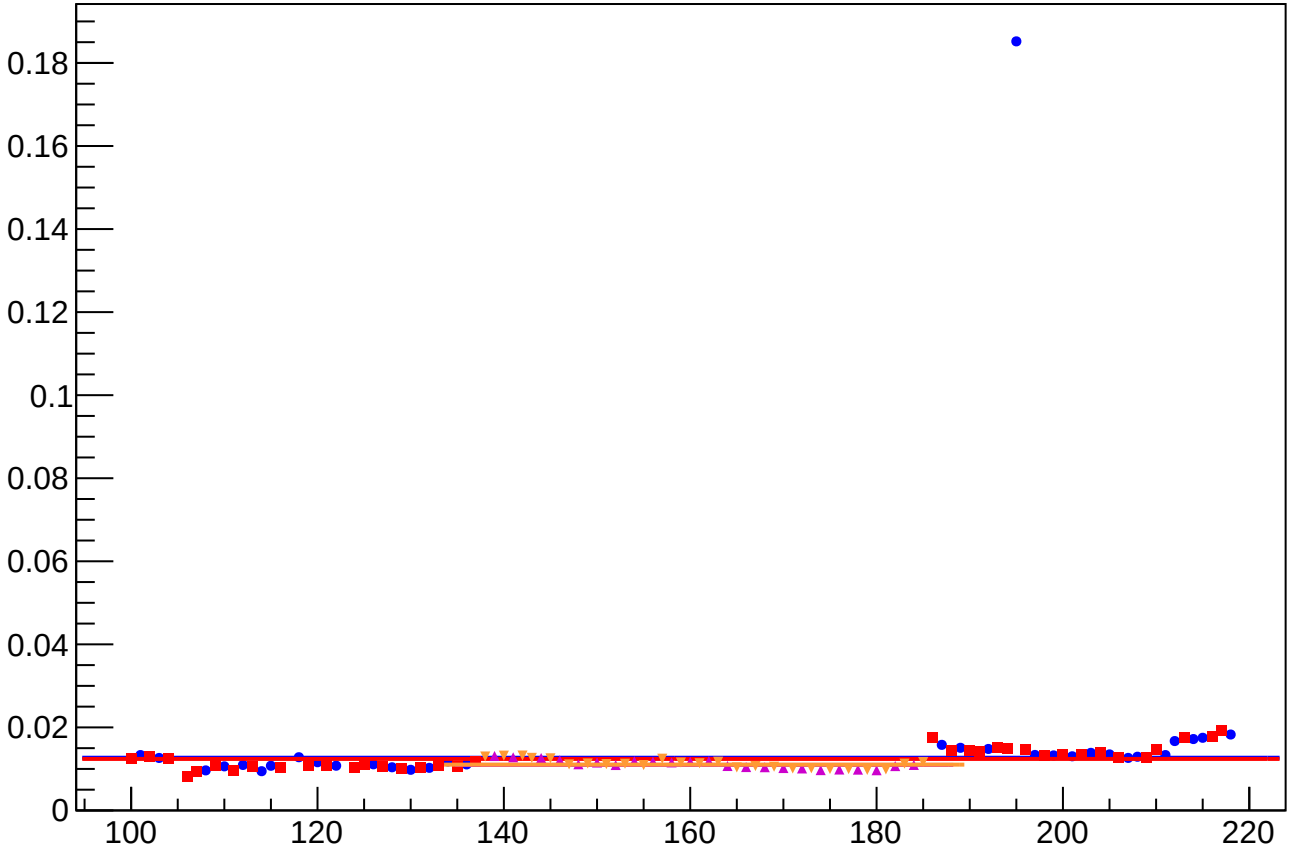
Left In: 0.688+/-0.000 χ^2/NDF:6999062215.3/22

+ sign 0.992+/-0.000 χ^2/NDF: 105184623289.8/56

All: 0.986+/-0.000 χ^2/NDF: 195746148727.8

- sign 0.980+/-0.000 χ^2/NDF: 90543209946.6/58

yield_bpm0l09X_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF: 2570931.0/31

Left Out: 0.011+/-0.000 χ^2/NDF:299445.0/24

Right Out: 0.012+/-0.000 χ^2/NDF: 1364877.2/35

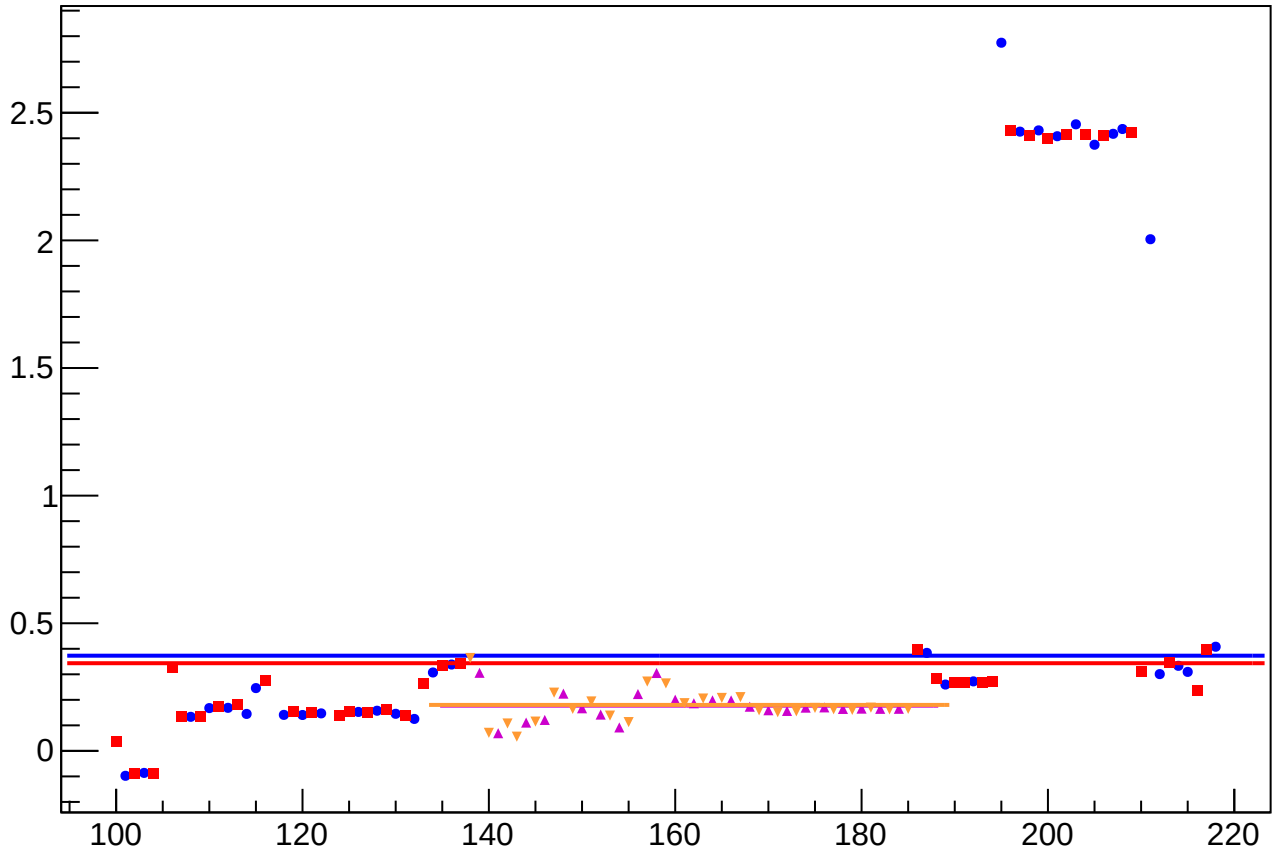
Left In: 0.011+/-0.000 χ^2/NDF:287650.0/22

+ sign 0.012+/-0.000 χ^2/NDF: 3229261.5/56

All: 0.012+/-0.000 χ^2/NDF: 5161607.2/115

- sign 0.012+/-0.000 χ^2/NDF: 1928745.0/58

yield_bpm0l09Y_mean vs Slug



Right In: 0.373+/-0.000 χ^2/NDF: 191525308704.6/31

Left Out: 0.180+/-0.000 χ^2/NDF:6448853953.3/24

Right Out: 0.343+/-0.000 χ^2/NDF: 163930548914.8/35

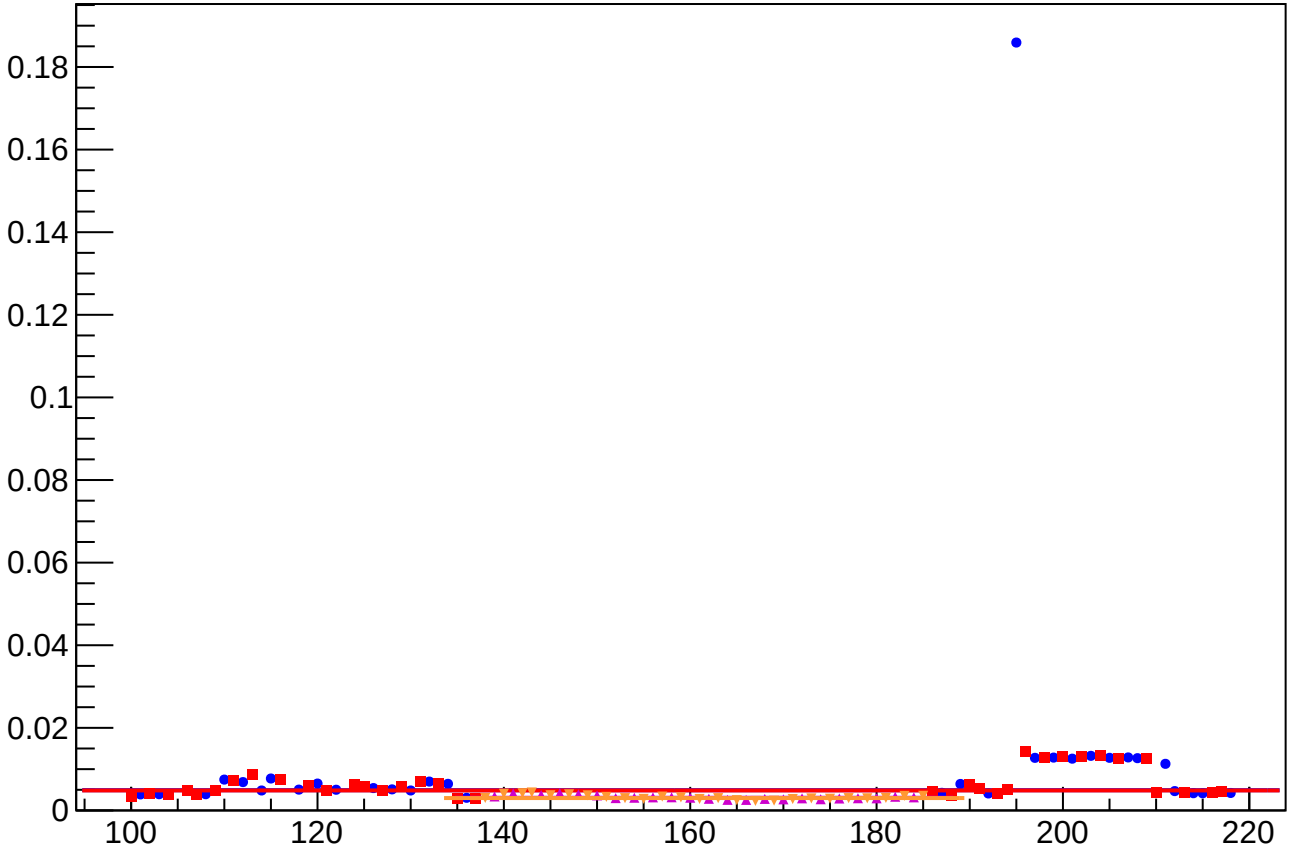
Left In: 0.177+/-0.000 χ^2/NDF:4620854117.7/22

+ sign 0.226+/-0.000 χ^2/NDF: 215211451935.6/56

All: 0.224+/-0.000 χ^2/NDF: 397012678705.8

- sign 0.222+/-0.000 χ^2/NDF: 181784988346.8/58

yield_bpm0l09Y_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF: 7980466.9/31

Left Out: 0.003+/-0.000 χ^2/NDF:888350.2/24

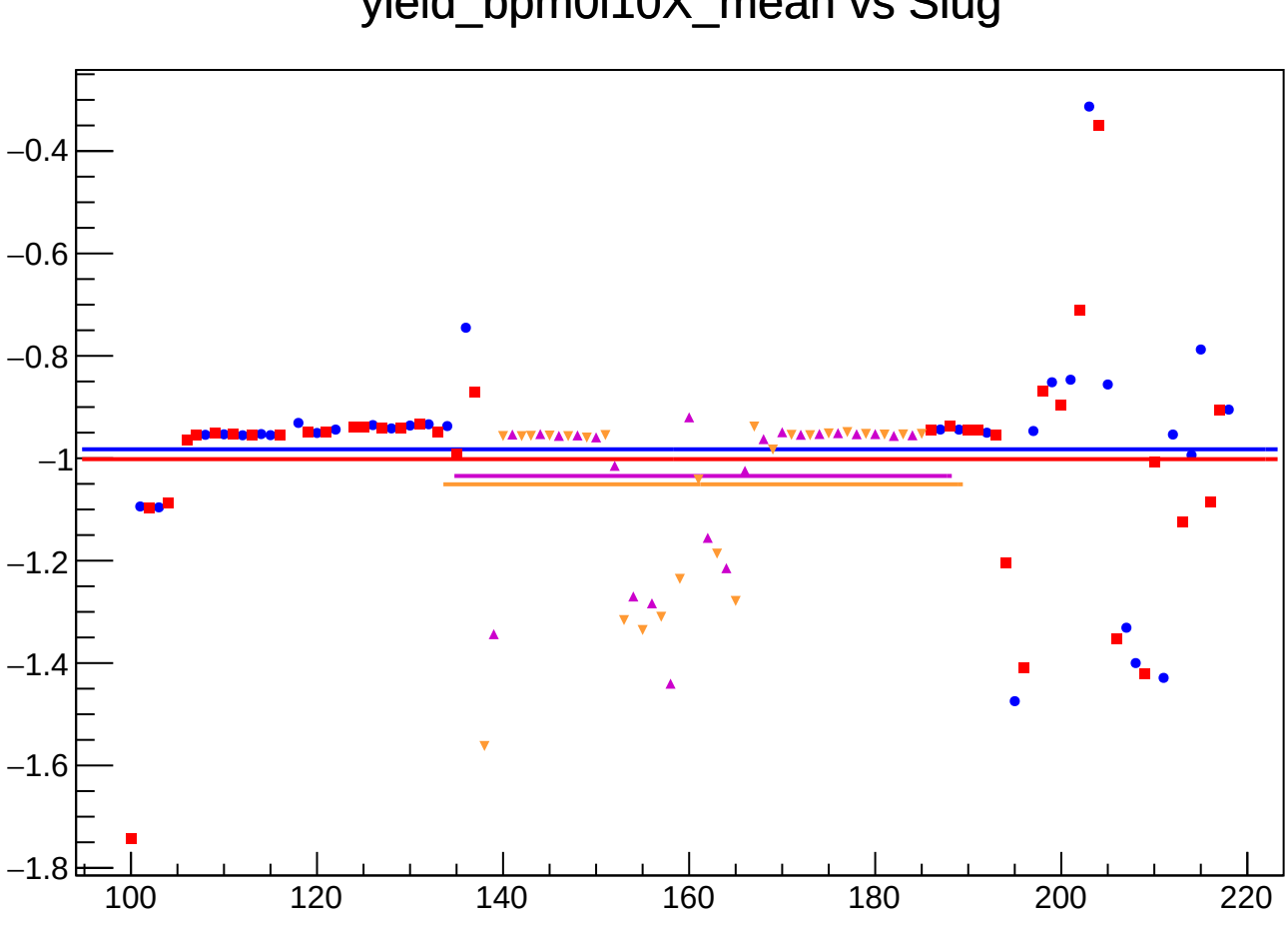
Right Out: 0.005+/-0.000 χ^2/NDF: 5974288.5/35

Left In: 0.003+/-0.000 χ^2/NDF:587459.6/22

+ sign 0.003+/-0.000 χ^2/NDF: 12236944.0/56

All: 0.004+/-0.000 χ^2/NDF: 21843285.1/115

- sign 0.004+/-0.000 χ^2/NDF: 9581332.8/58



Right In: -0.982+/-0.000 χ^2/NDF: 5990127525.2/31

Left Out: -1.051+/-0.000 χ^2/NDF:5082084184.4/24

Right Out: -1.002+/-0.000 χ^2/NDF: 5120324962.1/35

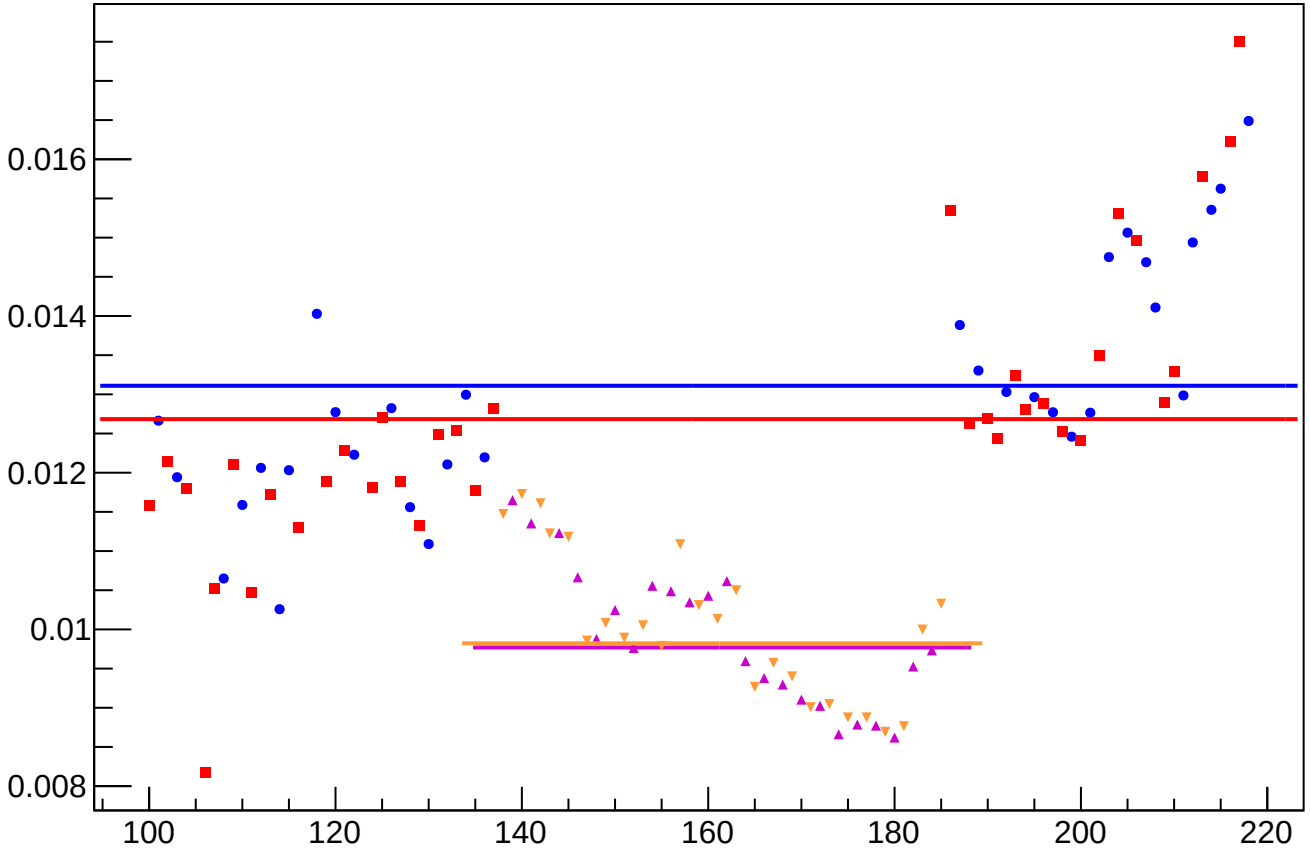
Left In: -1.035+/-0.000 χ^2/NDF:3925761523.9/22

+ sign -1.026+/-0.000 χ^2/NDF: 11402405077.3/56

All: -1.024+/-0.000 χ^2/NDF: 20530223656.1/

- sign -1.021+/-0.000 χ^2/NDF: 9125081197.7/58

yield_bpm0l10X_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF: 431210.8/31

Left Out: 0.010+/-0.000 χ^2/NDF:293862.1/24

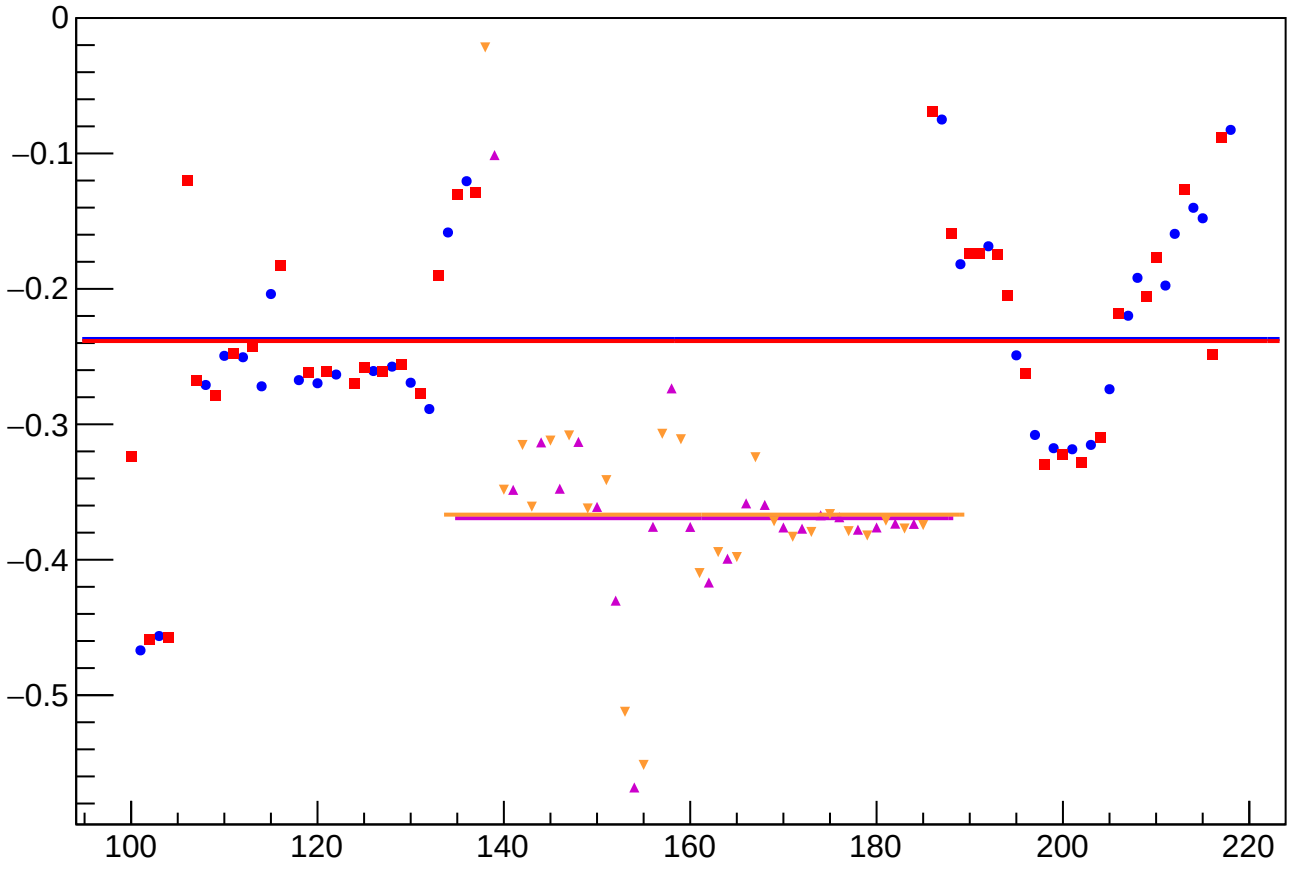
Right Out: 0.013+/-0.000 χ^2/NDF: 691895.8/35

Left In: 0.010+/-0.000 χ^2/NDF:281817.4/22

+ sign 0.011+/-0.000 χ^2/NDF: 2249160.5/56

All: 0.011+/-0.000 χ^2/NDF: 4472169.3/115

- sign 0.011+/-0.000 χ^2/NDF: 2219917.9/58



Right In: -0.237+/-0.000 χ^2/NDF: 11530585379.6/31

Left Out: -0.367+/-0.000 χ^2/NDF:11945266102.2/24

Right Out: -0.239+/-0.000 χ^2/NDF: 10836162333.6/35

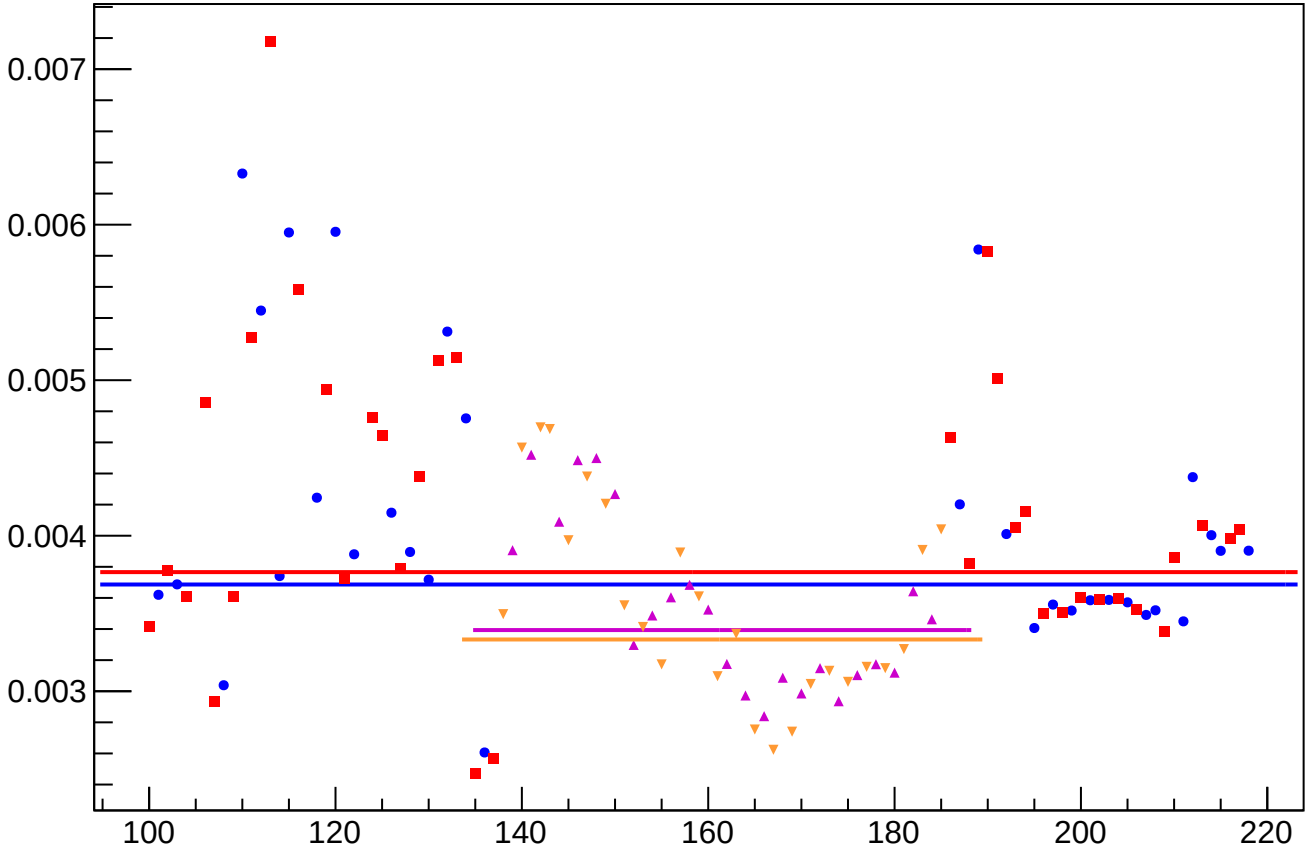
Left In: -0.369+/-0.000 χ^2/NDF:7581323027.3/22

+ sign -0.307+/-0.000 χ^2/NDF: 35663794868.6/56

All: -0.307+/-0.000 χ^2/NDF: 65821960039.3/

- sign -0.307+/-0.000 χ^2/NDF: 30158113234.8/58

yield_bpm0l10Y_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF: 981966.9/31

Left Out: 0.003+/-0.000 χ^2/NDF:857705.2/24

Right Out: 0.004+/-0.000 χ^2/NDF: 1135676.7/35

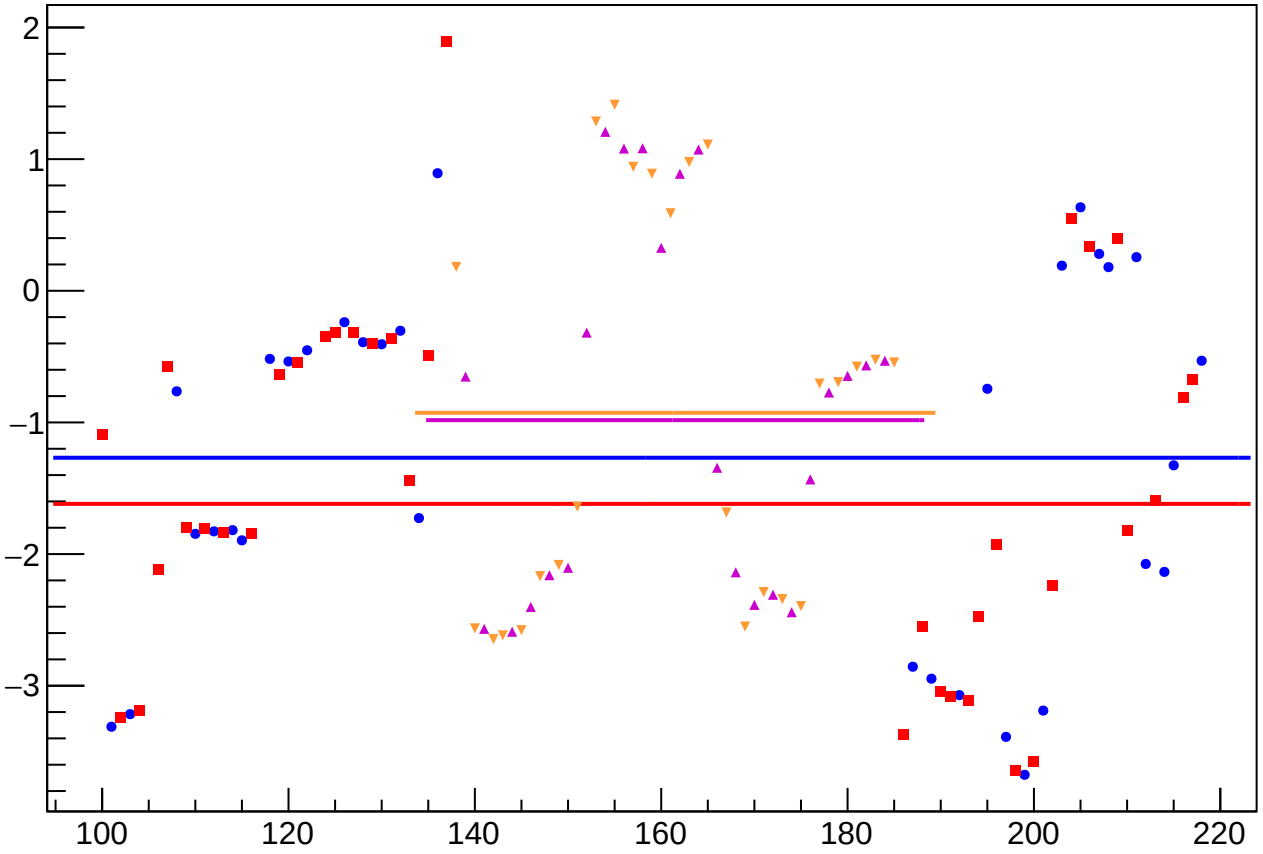
Left In: 0.003+/-0.000 χ^2/NDF:633604.8/22

+ sign 0.003+/-0.000 χ^2/NDF: 2020791.9/56

All: 0.004+/-0.000 χ^2/NDF: 3996990.1/115

- sign 0.004+/-0.000 χ^2/NDF: 1959877.3/58

yield_bpm0r03X_mean vs Slug



Right In: -1.268+/-0.000 χ^2/NDF: 7151051970.3/31

Left Out: -0.927+/-0.000 χ^2/NDF:7248712470.7/24

Right Out: -1.619+/-0.000 χ^2/NDF: 6165618788.6/35

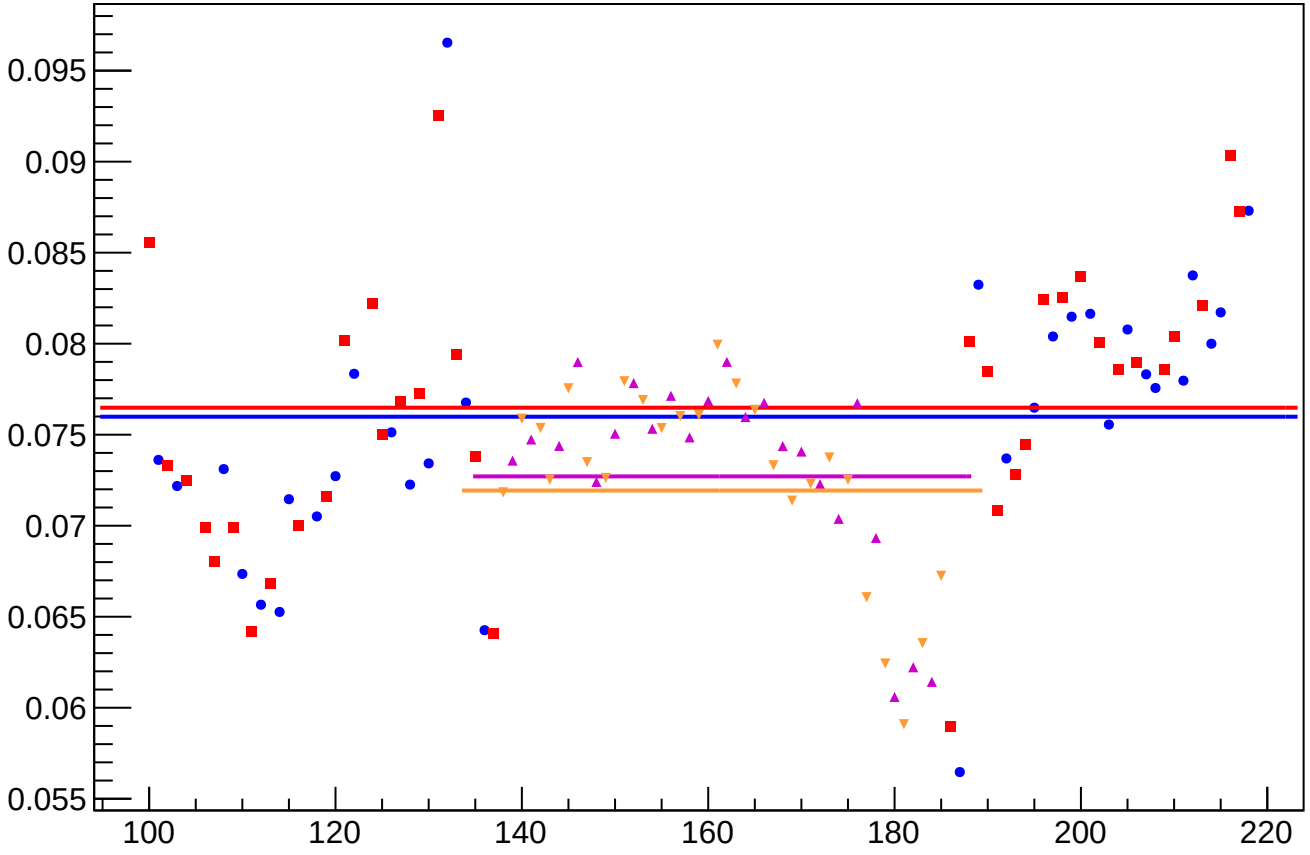
Left In: -0.983+/-0.000 χ^2/NDF:5918975536.0/22

+ sign -1.092+/-0.000 χ^2/NDF: 14605637200.5/56

All: -1.196+/-0.000 χ^2/NDF: 27539604667.1/

- sign -1.304+/-0.000 χ^2/NDF: 12776774590.1/58

yield_bpm0r03X_rms vs Slug



Right In: 0.076+/-0.000 χ^2/NDF: 294594.7/31

Left Out: 0.072+/-0.000 χ^2/NDF:235534.6/24

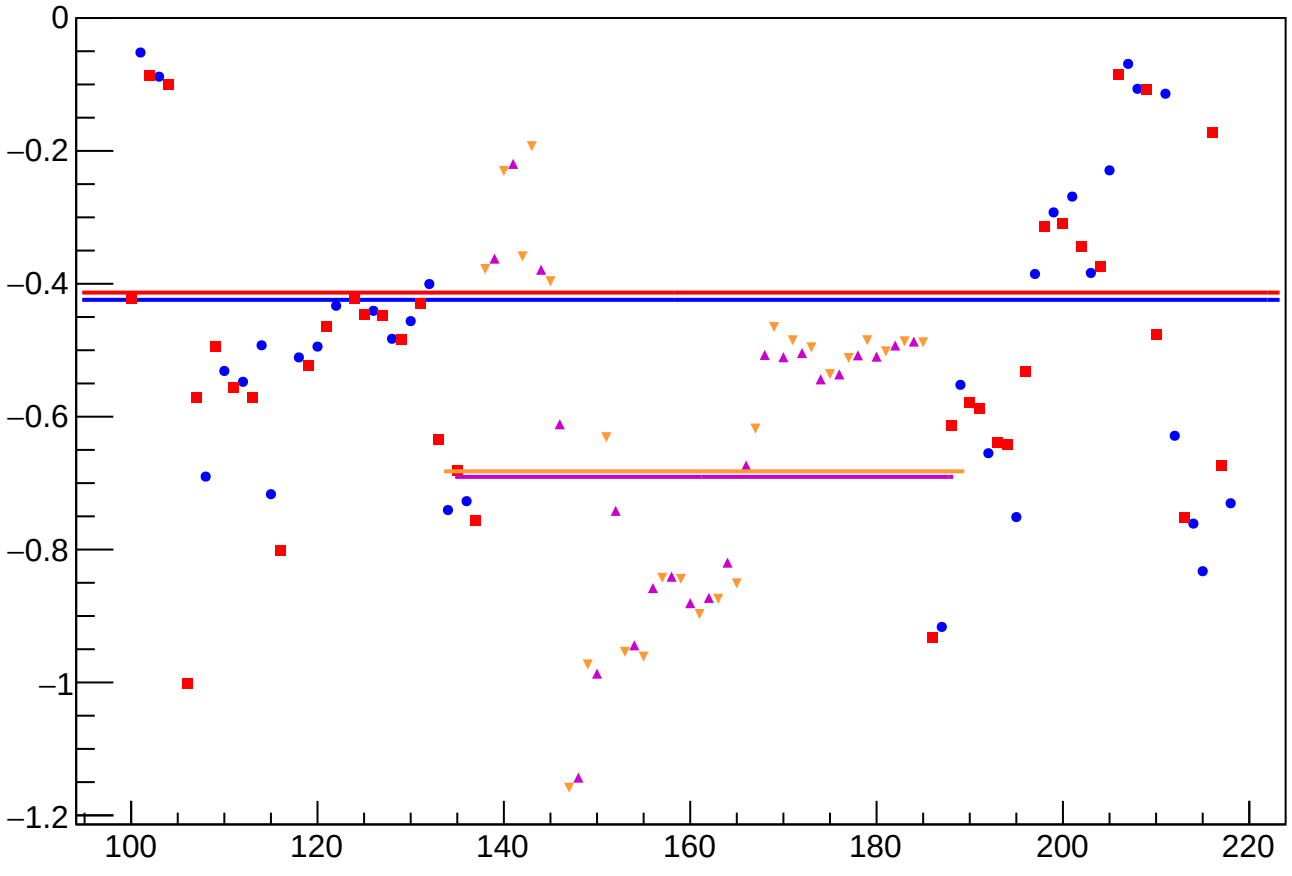
Right Out: 0.076+/-0.000 χ^2/NDF: 330184.4/35

Left In: 0.073+/-0.000 χ^2/NDF:197009.2/22

+ sign 0.074+/-0.000 χ^2/NDF: 588246.1/56

All: 0.074+/-0.000 χ^2/NDF: 1167896.0/115

- sign 0.075+/-0.000 χ^2/NDF: 575973.2/58



Right In: -0.424+/-0.000 χ^2/NDF: 20774192879.0/31

Left Out: -0.682+/-0.000 χ^2/NDF:21823342960.4/24

Right Out: -0.413+/-0.000 χ^2/NDF: 13942526361.2/35

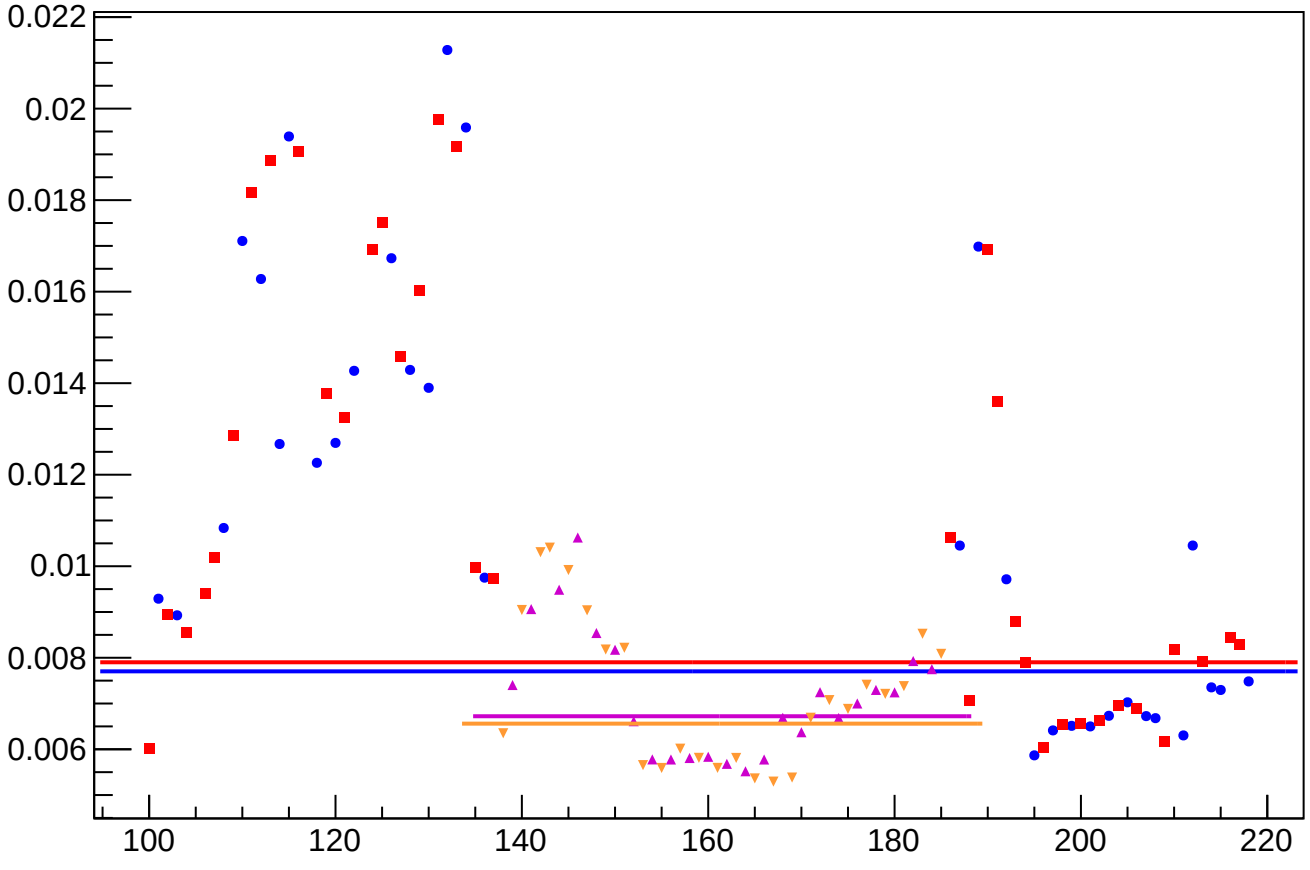
Left In: -0.691+/-0.000 χ^2/NDF:16867819938.3/22

+ sign -0.575+/-0.000 χ^2/NDF: 53904860421.3/56

All: -0.573+/-0.000 χ^2/NDF: 96880069482.7/

- sign -0.572+/-0.000 χ^2/NDF: 42972197417.8/58

yield_bpm0r03Y_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF: 3194345.4/31

Left Out: 0.007+/-0.000 χ^2/NDF:1404221.4/24

Right Out: 0.008+/-0.000 χ^2/NDF: 3266758.5/35

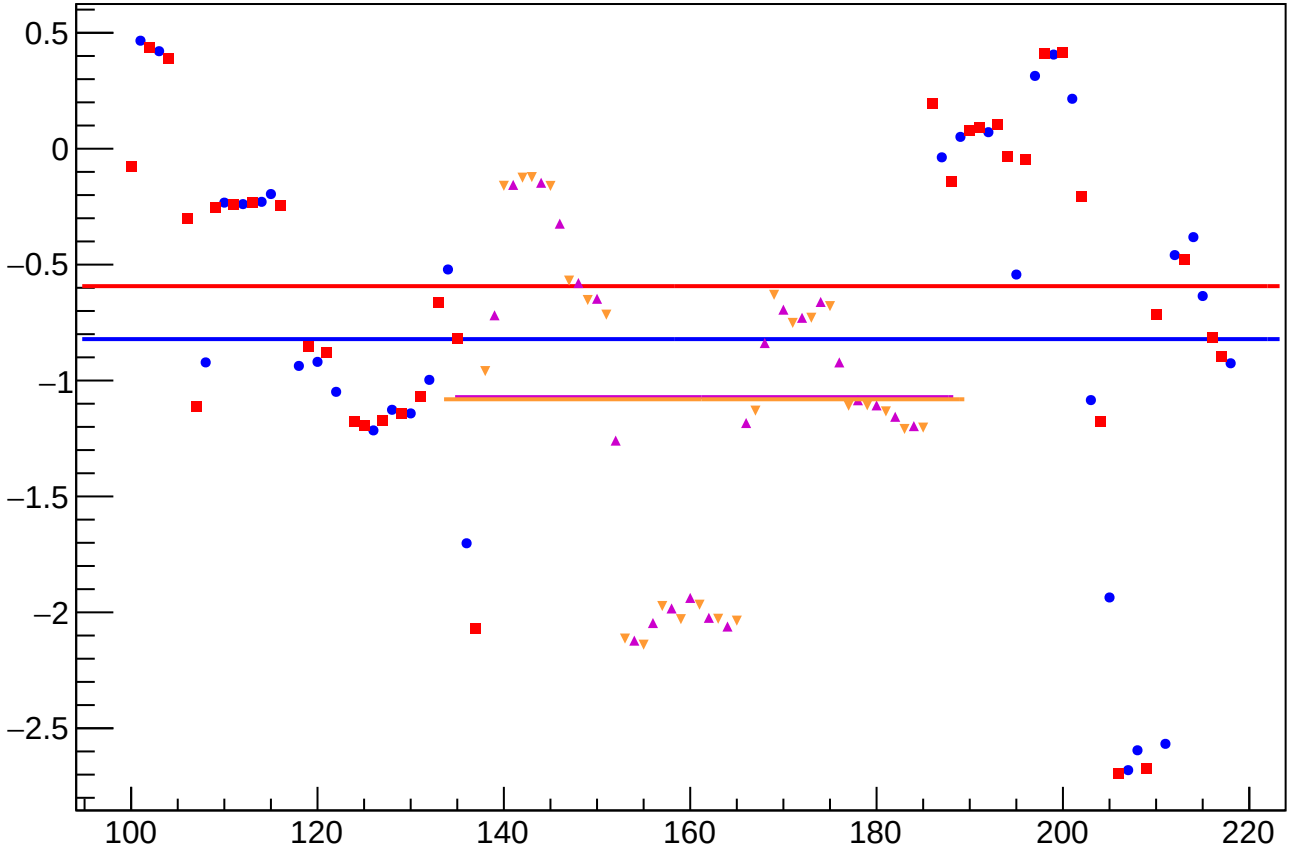
Left In: 0.007+/-0.000 χ^2/NDF:960755.3/22

+ sign 0.007+/-0.000 χ^2/NDF: 5041985.2/56

All: 0.007+/-0.000 χ^2/NDF: 9733838.8/115

- sign 0.007+/-0.000 χ^2/NDF: 4667341.0/58

yield_bpm0r05X_mean vs Slug



Right In: -0.821+/-0.000 χ^2/NDF: 1987025889.8/31

Left Out: -1.081+/-0.000 χ^2/NDF:1152285460.9/24

Right Out: -0.593+/-0.000 χ^2/NDF: 1672744796.7/35

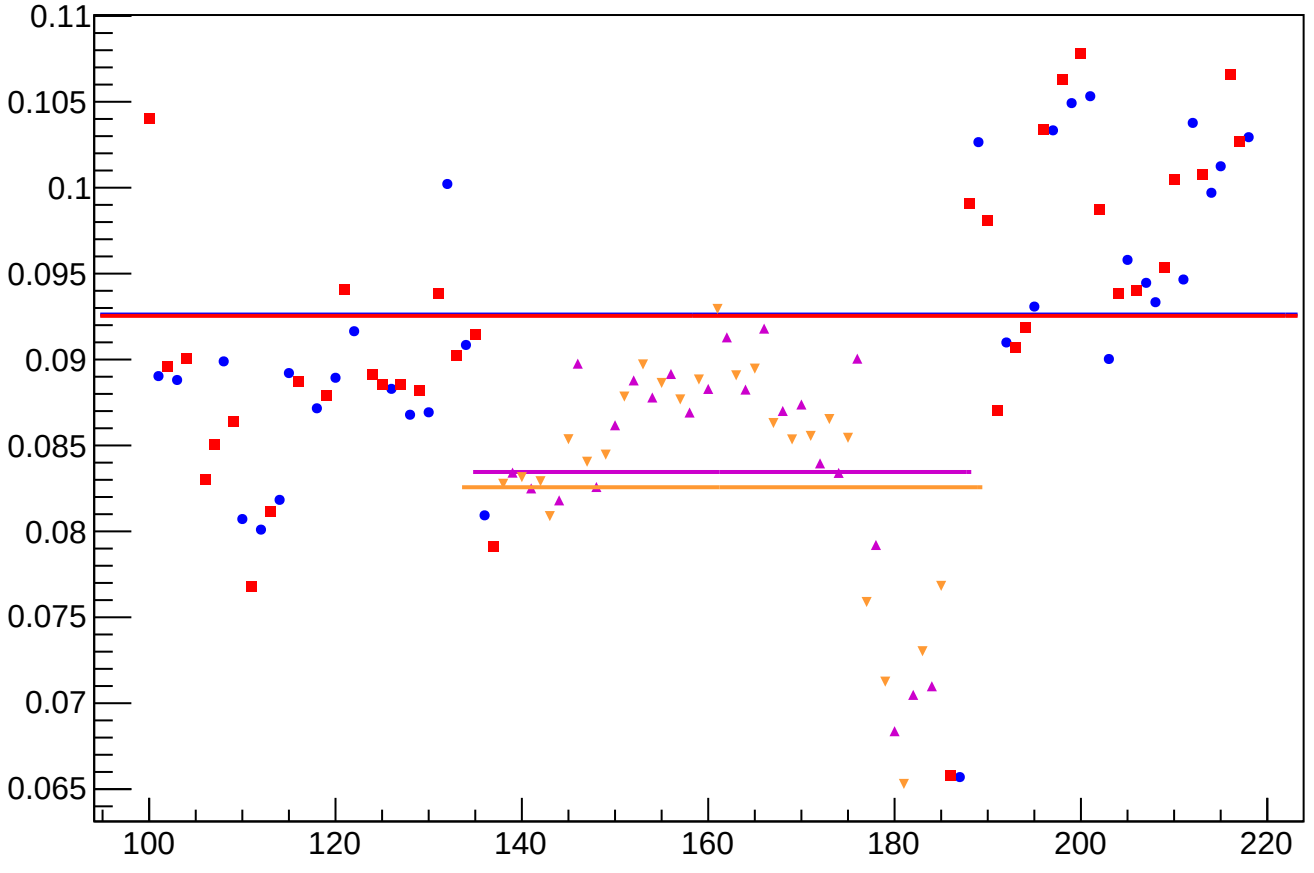
Left In: -1.072+/-0.000 χ^2/NDF:975623531.2/22

+ sign -0.963+/-0.000 χ^2/NDF: 3224928192.9/56

All: -0.904+/-0.000 χ^2/NDF: 6194955152.8/1

- sign -0.842+/-0.000 χ^2/NDF: 2933198708.9/58

yield_bpm0r05X_rms vs Slug



Right In: 0.093+/-0.000 χ^2/NDF: 311399.6/31

Left Out: 0.083+/-0.000 χ^2/NDF:291134.3/24

Right Out: 0.093+/-0.000 χ^2/NDF: 406309.2/35

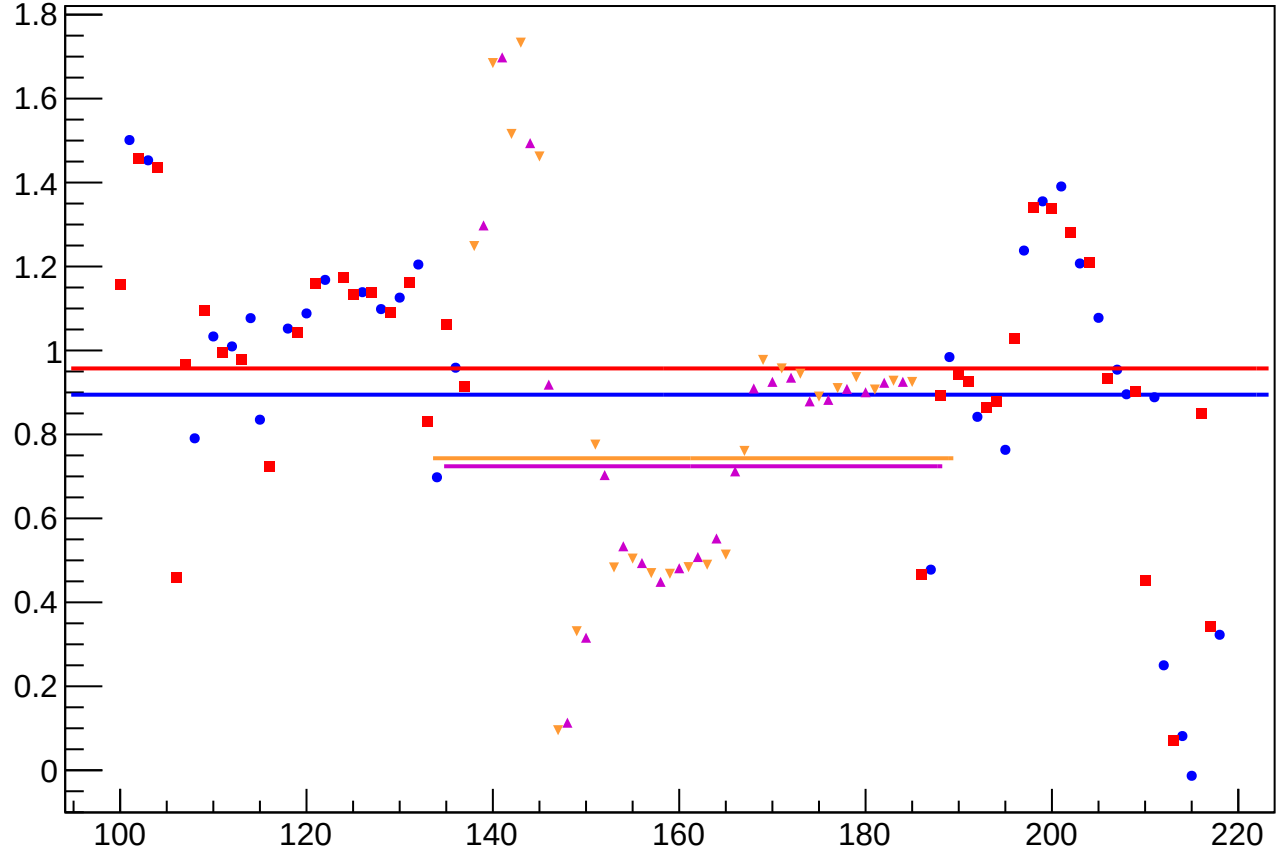
Left In: 0.083+/-0.000 χ^2/NDF:238412.3/22

+ sign 0.087+/-0.000 χ^2/NDF: 859194.0/56

All: 0.087+/-0.000 χ^2/NDF: 1711481.8/115

- sign 0.088+/-0.000 χ^2/NDF: 849949.0/58

yield_bpm0r05Y_mean vs Slug



Right In: 0.895+/-0.000 χ^2/NDF: 25044932519.7/31

Left Out: 0.743+/-0.000 χ^2/NDF:32581746516.6/24

Right Out: 0.957+/-0.000 χ^2/NDF: 15948040247.3/35

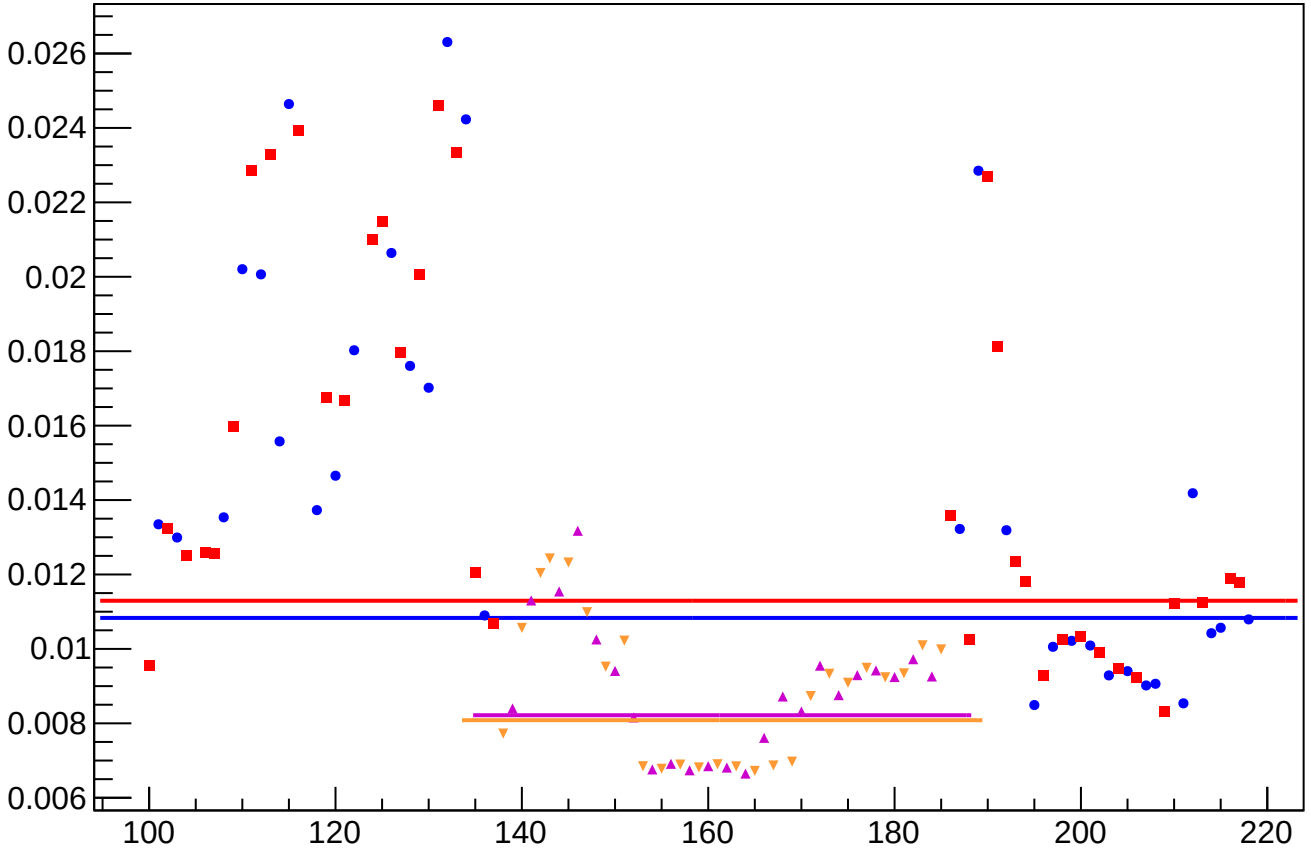
Left In: 0.724+/-0.000 χ^2/NDF:25654534031.9/22

+ sign 0.797+/-0.000 χ^2/NDF: 59844043613.5/56

All: 0.802+/-0.000 χ^2/NDF: 106302986230.9

- sign 0.808+/-0.000 χ^2/NDF: 46435909921.9/58

yield_bpm0r05Y_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF: 2399098.0/31

Left Out: 0.008+/-0.000 χ^2/NDF:1406307.1/24

Right Out: 0.011+/-0.000 χ^2/NDF: 2463821.3/35

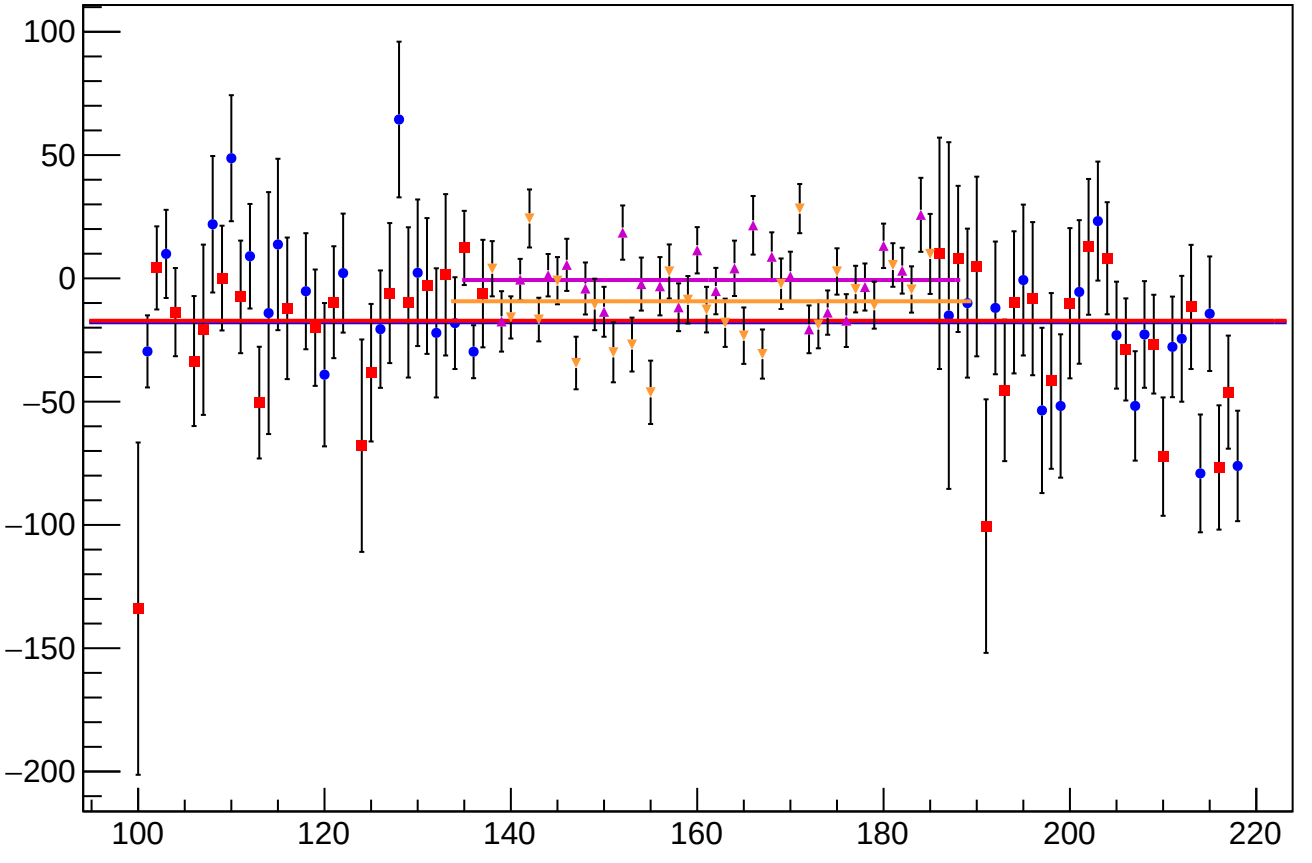
Left In: 0.008+/-0.000 χ^2/NDF:1127833.6/22

+ sign 0.009+/-0.000 χ^2/NDF: 5267072.6/56

All: 0.009+/-0.000 χ^2/NDF: 10570316.6/115

- sign 0.009+/-0.000 χ^2/NDF: 5276030.2/58

diff_bpm4aX_mean vs Slug



Right In: -17.803+/-4.073 χ^2/NDF: 46.5/31

Left Out: -9.292+/-2.031 χ^2/NDF:61.1/24

Right Out: -17.195+/-4.226 χ^2/NDF: 36.2/35

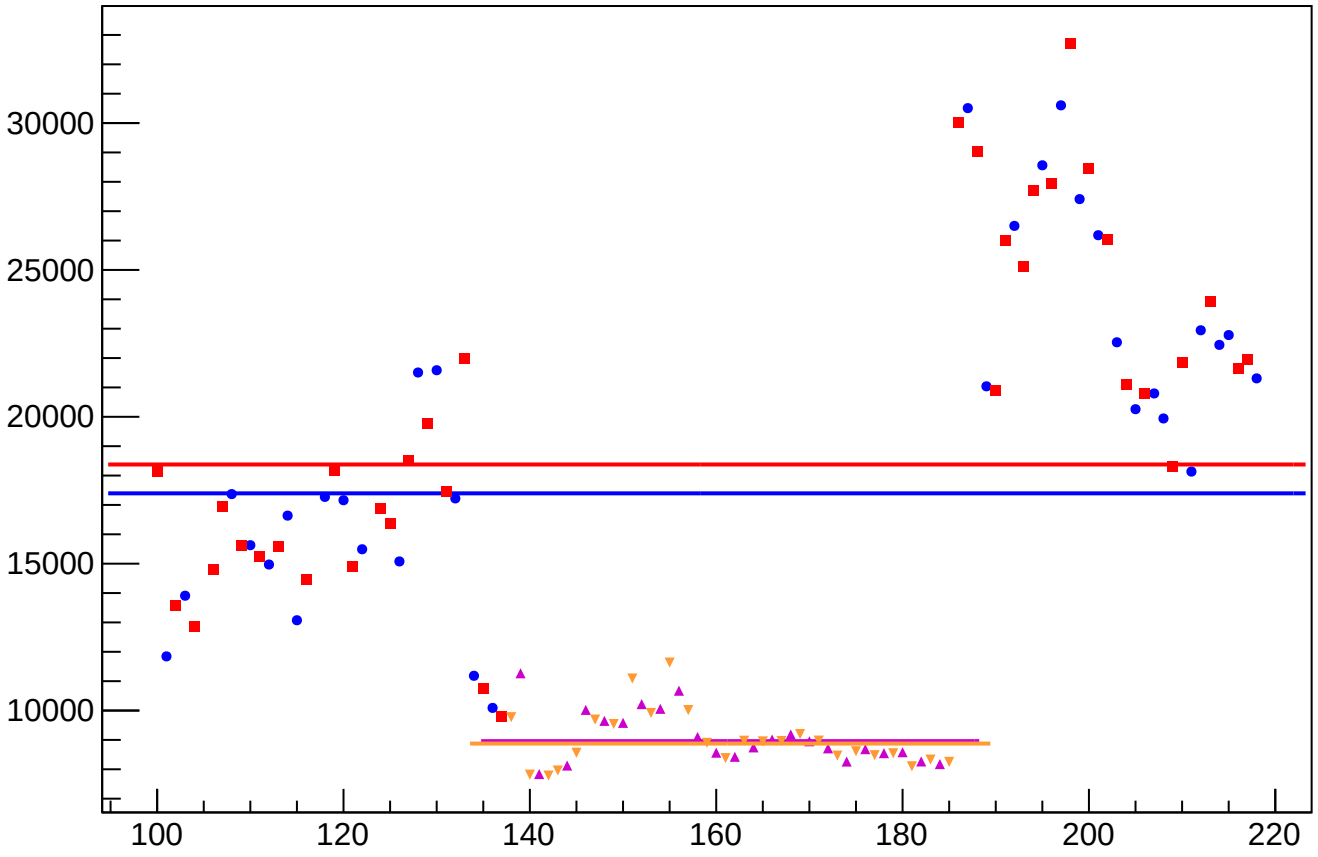
Left In: -0.676+/-2.104 χ^2/NDF:29.4/22

+ sign -10.986+/-1.817 χ^2/NDF: 111.1/56

All: -7.598+/-1.308 χ^2/NDF: 196.2/115

- sign -3.958+/-1.884 χ^2/NDF: 77.9/58

diff_bpm4aX_rms vs Slug



Right In: 17394.412+/-2.880 χ^2/NDF: 3564505.6/31

Left Out: 8875.623+/-1.436 χ^2/NDF:346964.6/24

Right Out: 18376.535+/-2.988 χ^2/NDF: 3364032.0/35

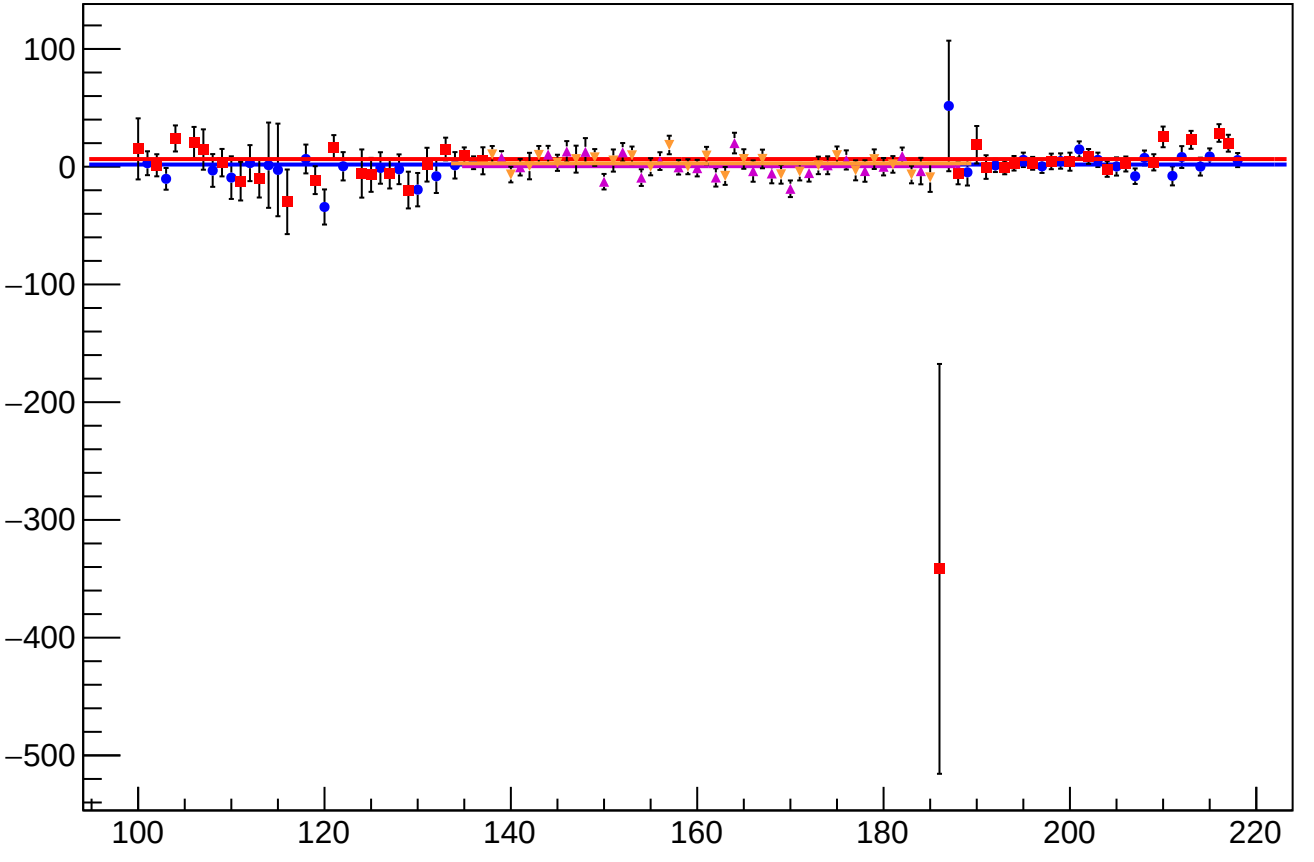
Left In: 8958.661+/-1.488 χ^2/NDF:301724.6/22

+ sign 10571.325+/-1.285 χ^2/NDF: 10918167.2/56

All: 10695.963+/-0.925 χ^2/NDF: 22563816.3

- sign 10829.863+/-1.332 χ^2/NDF: 11626134.4/58

diff_bpm4aY_mean vs Slug



Right In: 1.837+/-1.498 χ^2/NDF: 23.5/31

Left Out: 2.879+/-1.554 χ^2/NDF:19.5/24

Right Out: 6.486+/-1.505 χ^2/NDF: 50.9/35

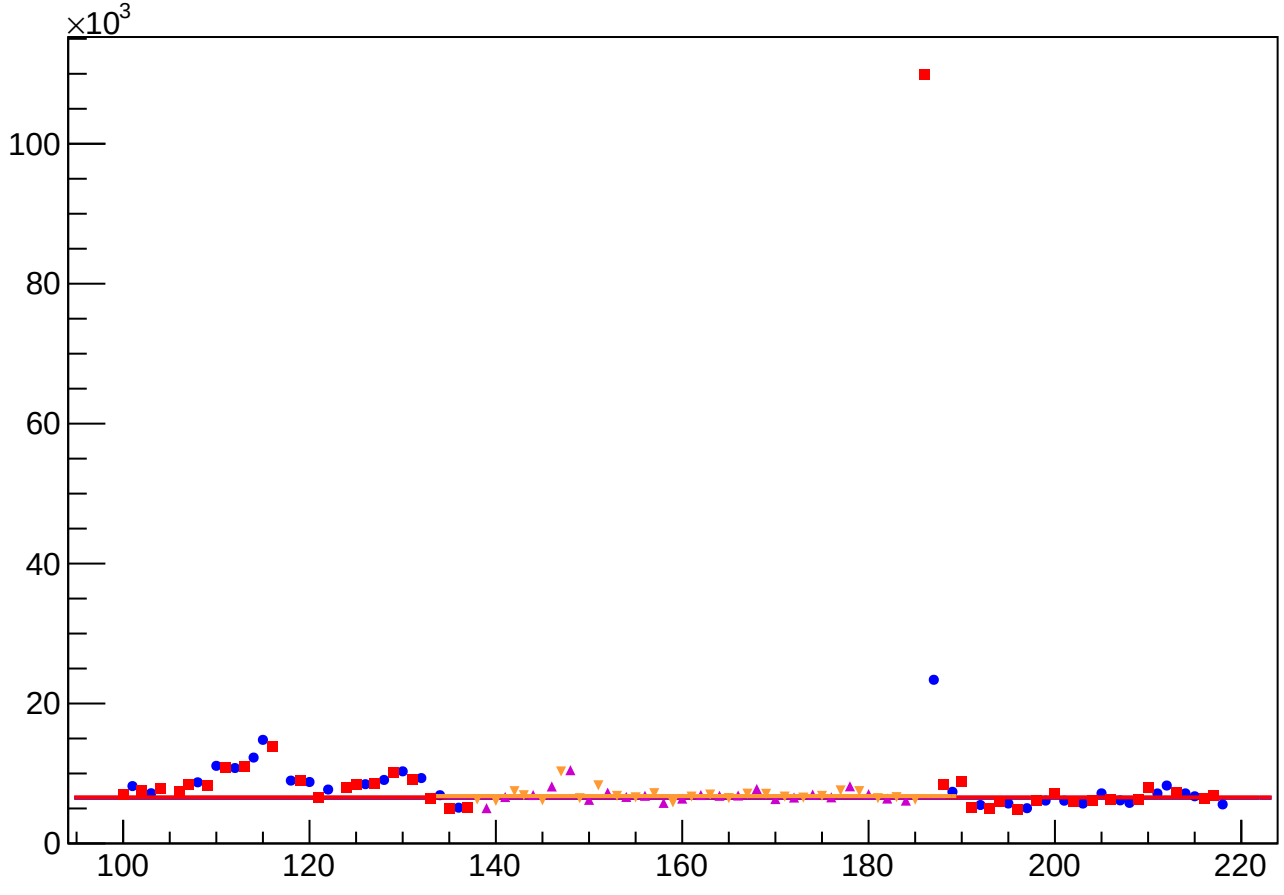
Left In: 0.456+/-1.581 χ^2/NDF:32.8/22

+ sign 2.339+/-1.079 χ^2/NDF: 43.3/56

All: 2.972+/-0.767 χ^2/NDF: 135.3/115

- sign 3.619+/-1.090 χ^2/NDF: 91.4/58

diff_bpm4aY_rms vs Slug



Right In: 6524.340+/-1.059 χ^2/NDF: 1852362.2/31

Left Out: 6776.739+/-1.099 χ^2/NDF:400166.7/24

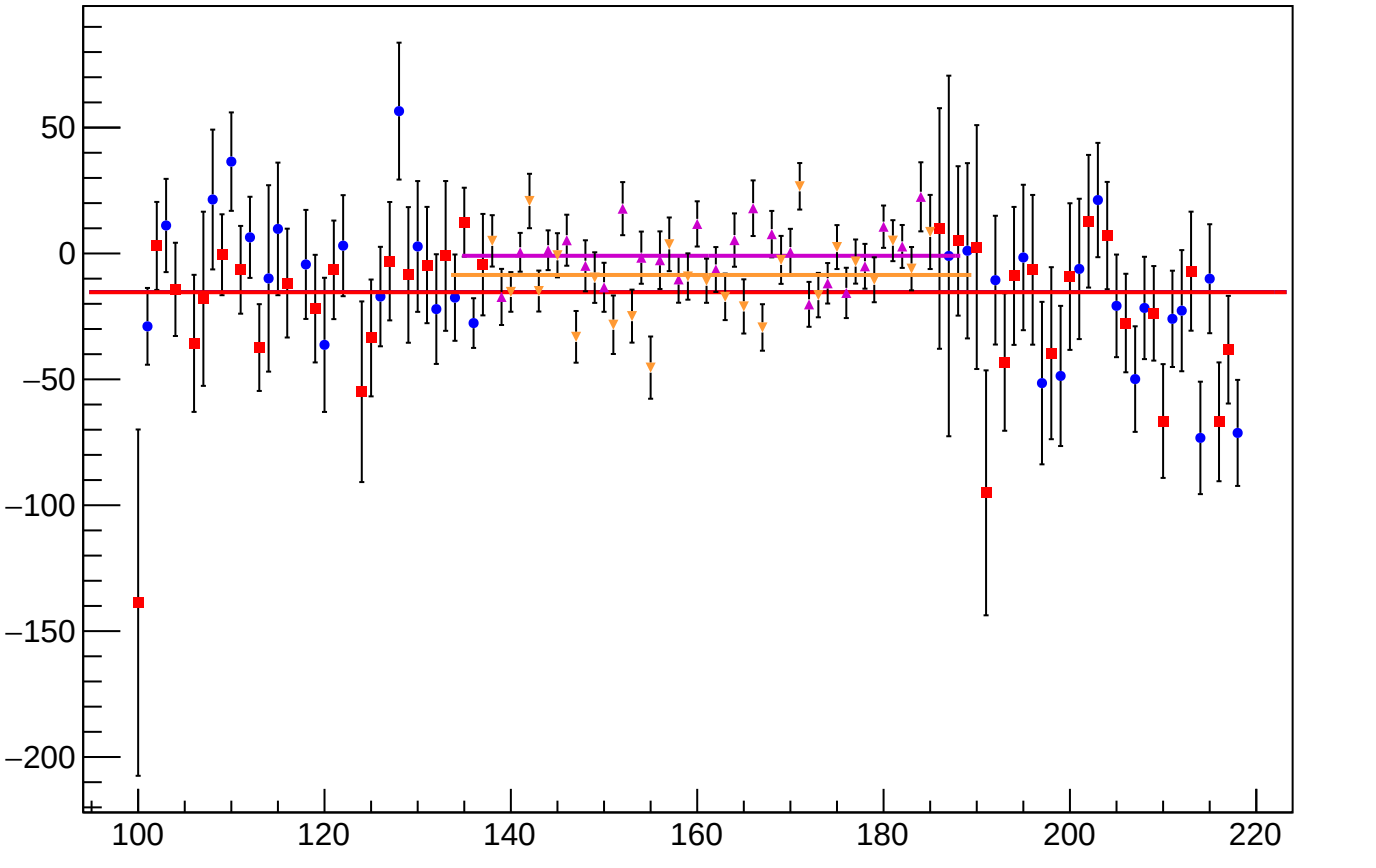
Right Out: 6582.637+/-1.064 χ^2/NDF: 2405594.8/35

Left In: 6689.550+/-1.118 χ^2/NDF:620276.8/22

+ sign 6645.952+/-0.763 χ^2/NDF: 2279876.3/56

All: 6639.773+/-0.542 χ^2/NDF: 5310676.5/11

- sign 6633.458+/-0.771 χ^2/NDF: 3030667.4/58



Right In: -15.305+/-3.739 χ^2/NDF: 48.3/31

Left Out: -8.536+/-1.897 χ^2/NDF:61.9/24

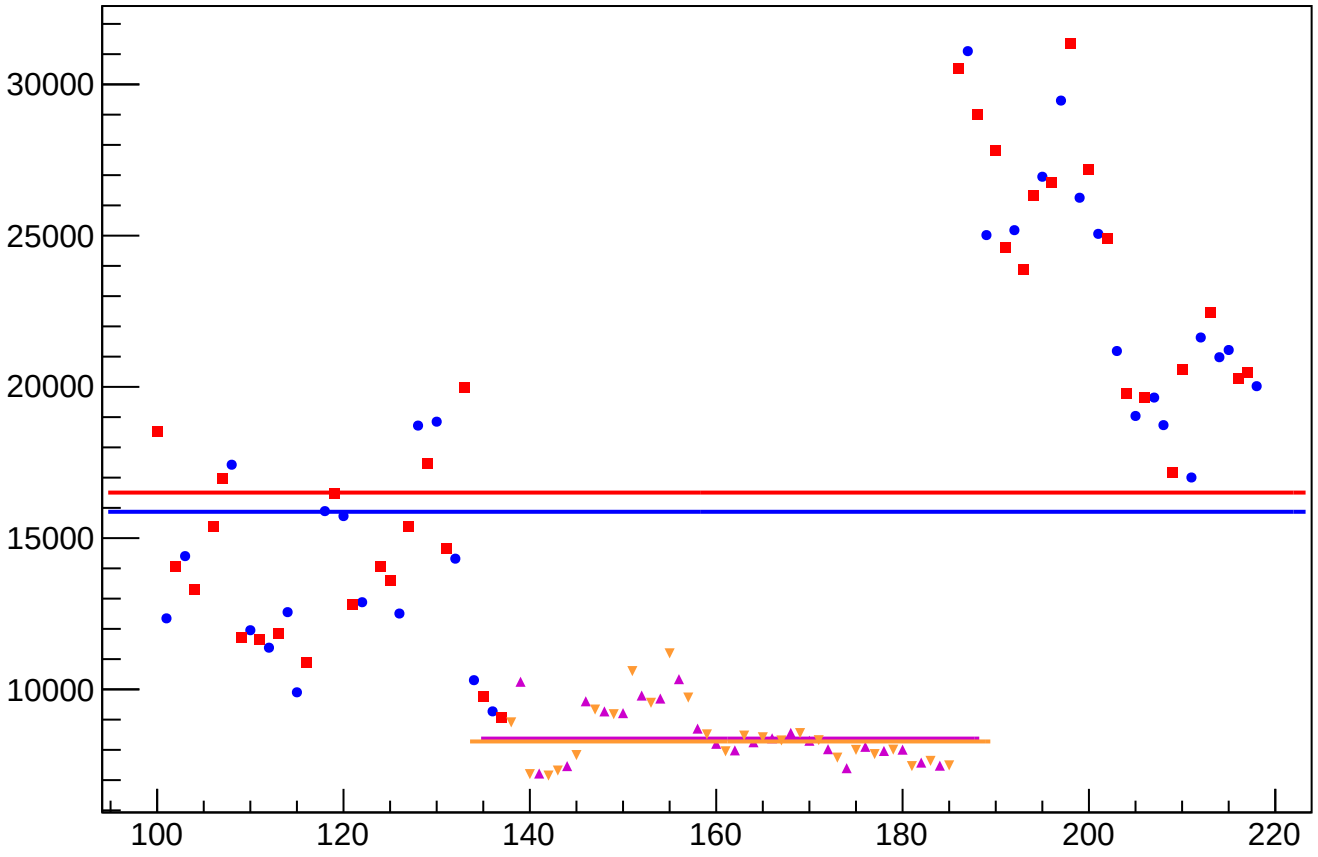
Right Out: -15.388+/-3.841 χ^2/NDF: 34.3/35

Left In: -0.919+/-1.969 χ^2/NDF:29.1/22

+ sign -9.922+/-1.691 χ^2/NDF: 112.8/56

All: -7.032+/-1.217 χ^2/NDF: 193.5/115

- sign -3.930+/-1.752 χ^2/NDF: 74.6/58



Right In: 15870.804+/-2.644 χ^2/NDF: 4073259.7/31

Left Out: 8277.768+/-1.341 χ^2/NDF:455108.5/24

Right Out: 16505.674+/-2.716 χ^2/NDF: 4231193.8/35

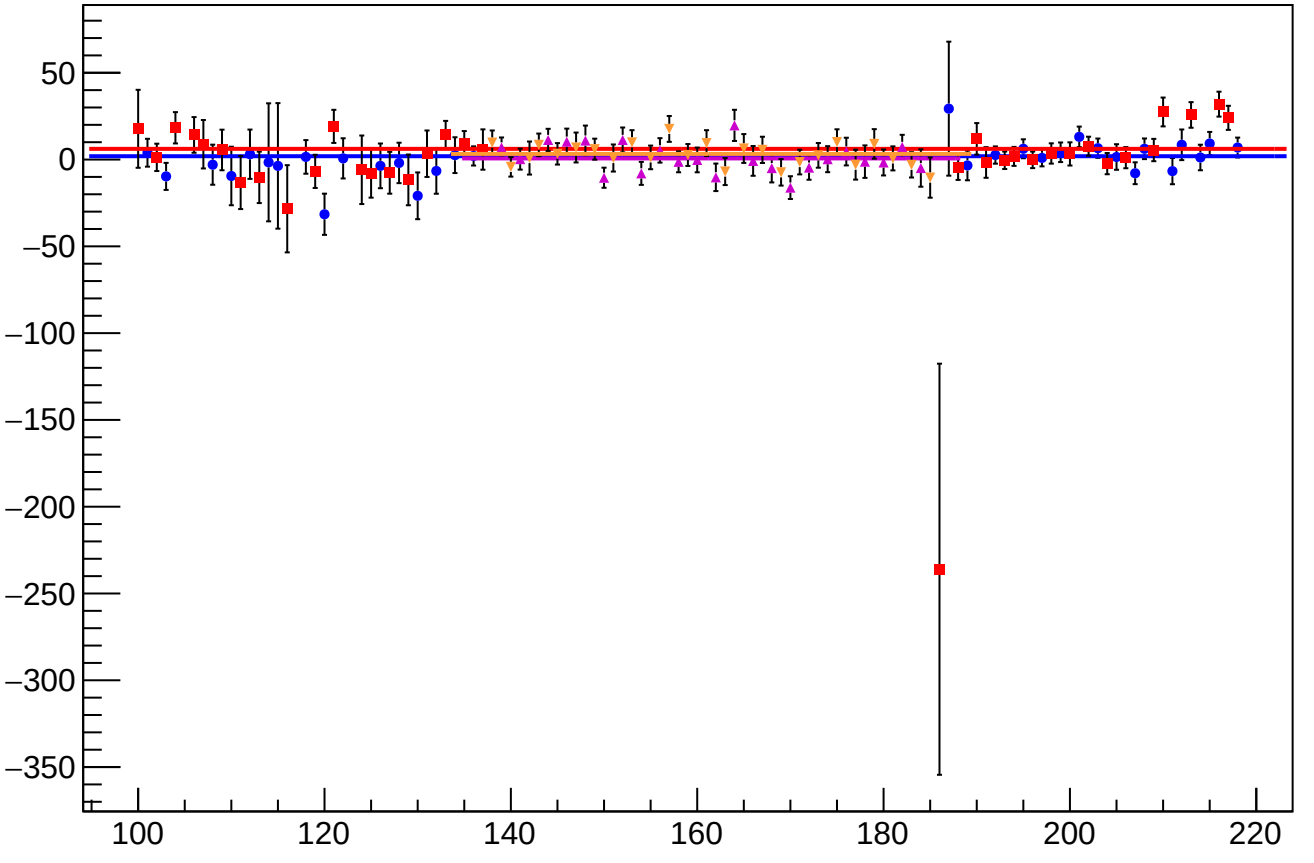
Left In: 8372.363+/-1.392 χ^2/NDF:392872.1/22

+ sign 9831.941+/-1.196 χ^2/NDF: 11089333.1/56

All: 9944.215+/-0.860 χ^2/NDF: 22832863.7/1

- sign 10064.691+/-1.239 χ^2/NDF: 11725263.0/58

diff_bpm4eY_mean vs Slug



Right In: 1.925+/-1.363 χ^2/NDF: 27.2/31

Left Out: 3.255+/-1.457 χ^2/NDF:17.6/24

Right Out: 6.170+/-1.349 χ^2/NDF: 64.7/35

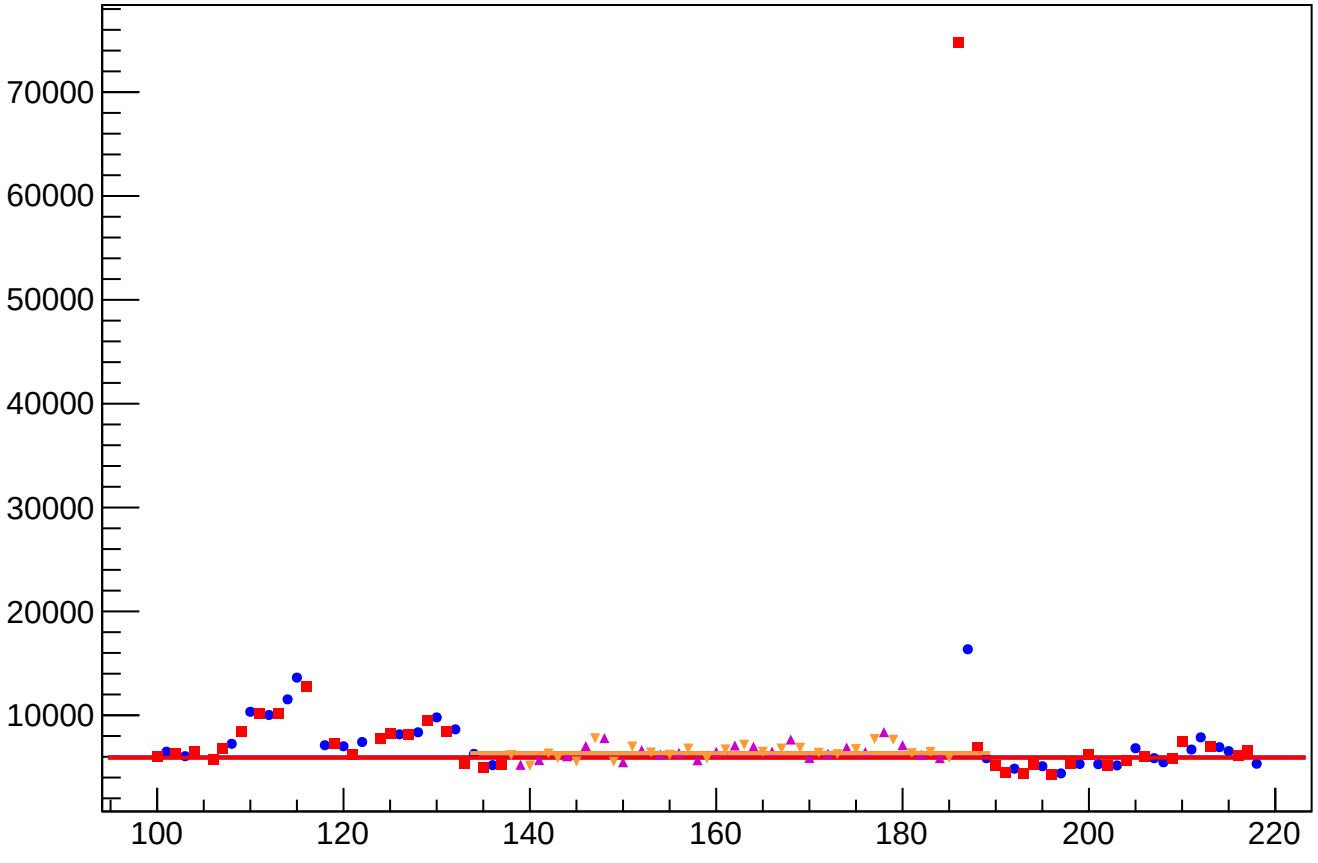
Left In: 0.645+/-1.499 χ^2/NDF:30.8/22

+ sign 2.546+/-0.995 χ^2/NDF: 45.3/56

All: 3.118+/-0.706 χ^2/NDF: 148.9/115

- sign 3.698+/-1.003 χ^2/NDF: 103.0/58

diff_bpm4eY_rms vs Slug



Right In: 5944.842+/-0.964 χ^2/NDF: 1801996.0/31

Left Out: 6357.608+/-1.030 χ^2/NDF:414119.5/24

Right Out: 5910.533+/-0.954 χ^2/NDF: 2454422.2/35

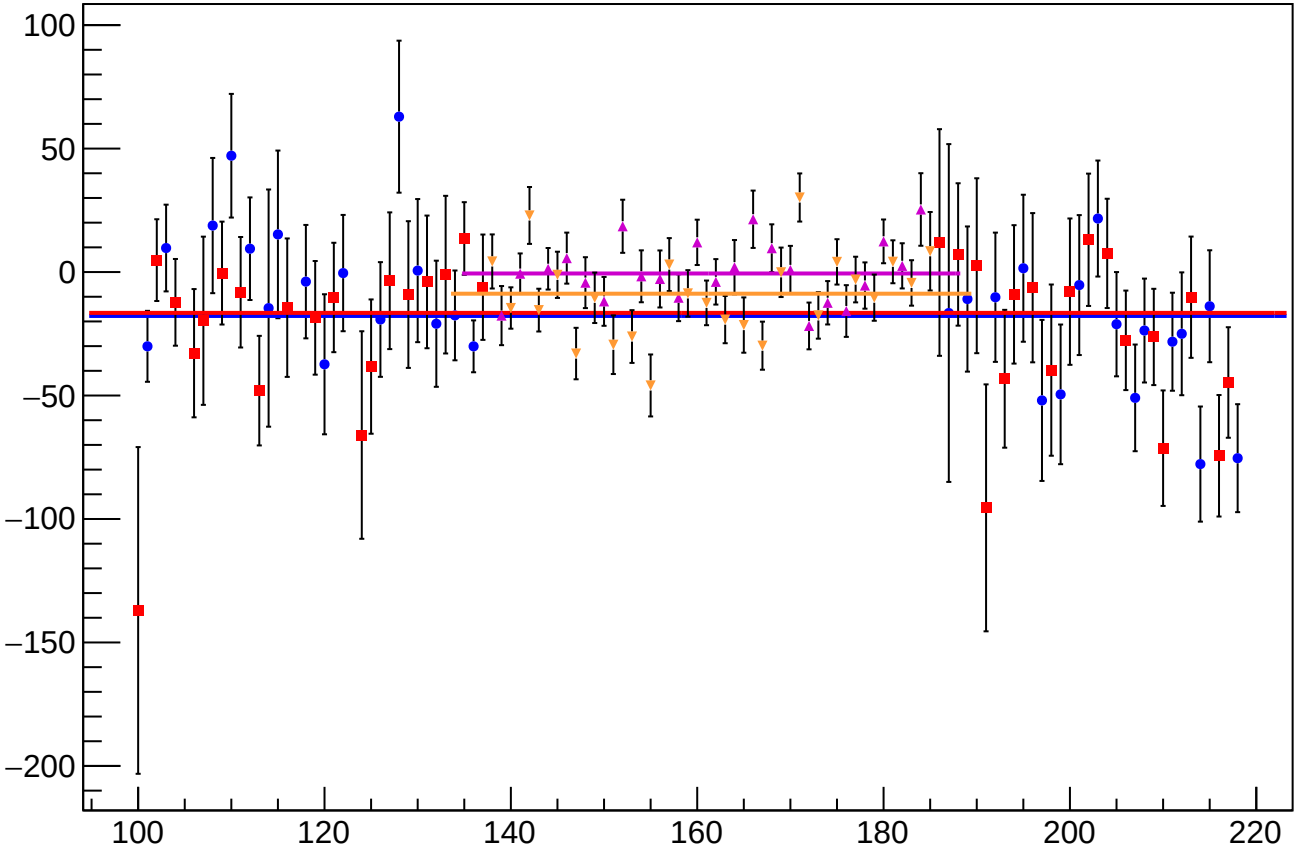
Left In: 6359.907+/-1.060 χ^2/NDF:473875.4/22

+ sign 6137.453+/-0.704 χ^2/NDF: 2301709.9/56

All: 6124.622+/-0.500 χ^2/NDF: 5329963.0/11

- sign 6111.598+/-0.709 χ^2/NDF: 3027583.5/58

diff_bpm4acX_mean vs Slug



Right In: -17.778+/-3.978 χ^2/NDF: 46.8/31

Left Out: -8.767+/-1.987 χ^2/NDF:62.7/24

Right Out: -16.536+/-4.127 χ^2/NDF: 36.6/35

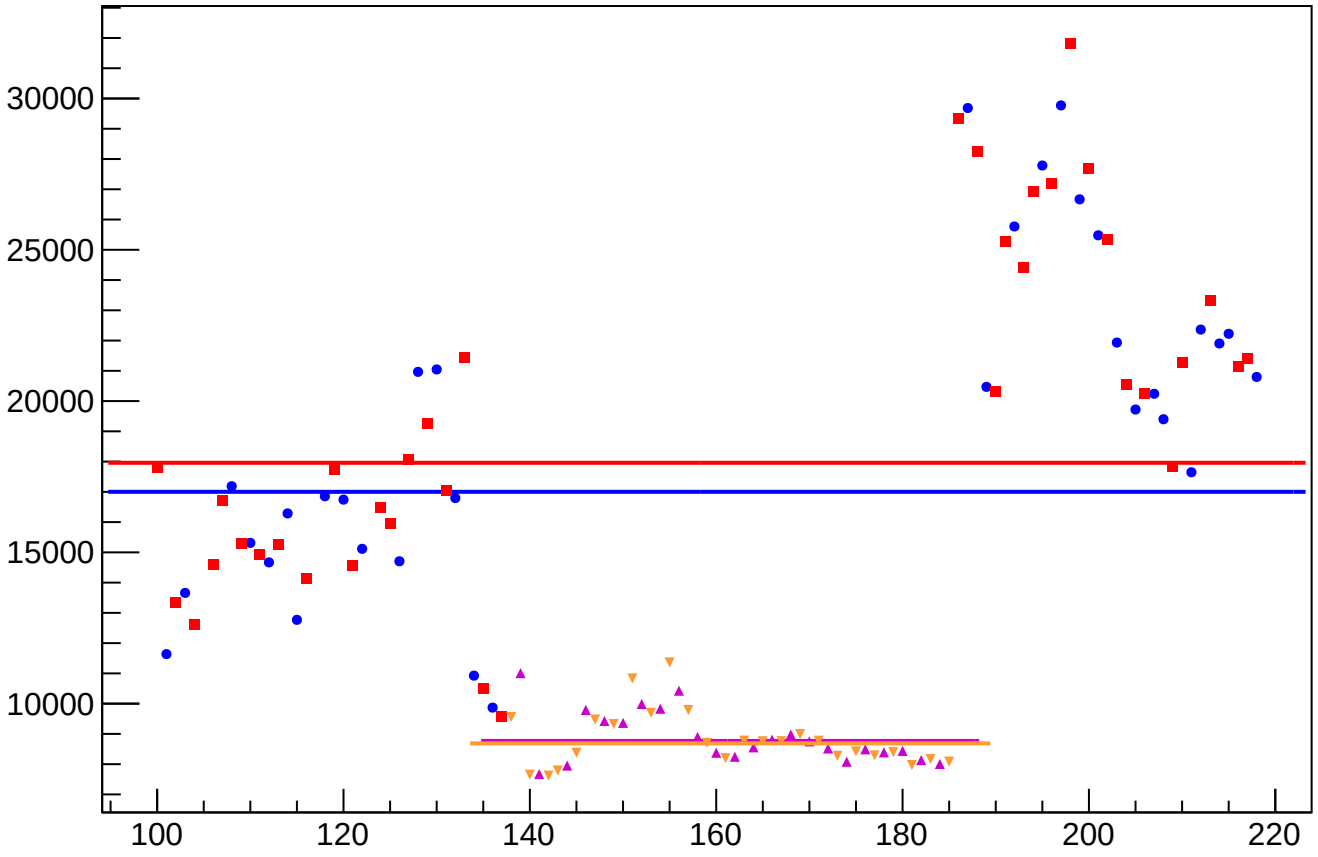
Left In: -0.579+/-2.059 χ^2/NDF:29.6/22

+ sign -10.566+/-1.778 χ^2/NDF: 113.6/56

All: -7.285+/-1.279 χ^2/NDF: 198.8/115

- sign -3.759+/-1.843 χ^2/NDF: 78.1/58

diff_bpm4acX_rms vs Slug



Right In: 17001.042+/-2.813 χ^2/NDF: 3512783.0/31

Left Out: 8686.048+/-1.405 χ^2/NDF:340655.6/24

Right Out: 17961.196+/-2.918 χ^2/NDF: 3310424.7/35

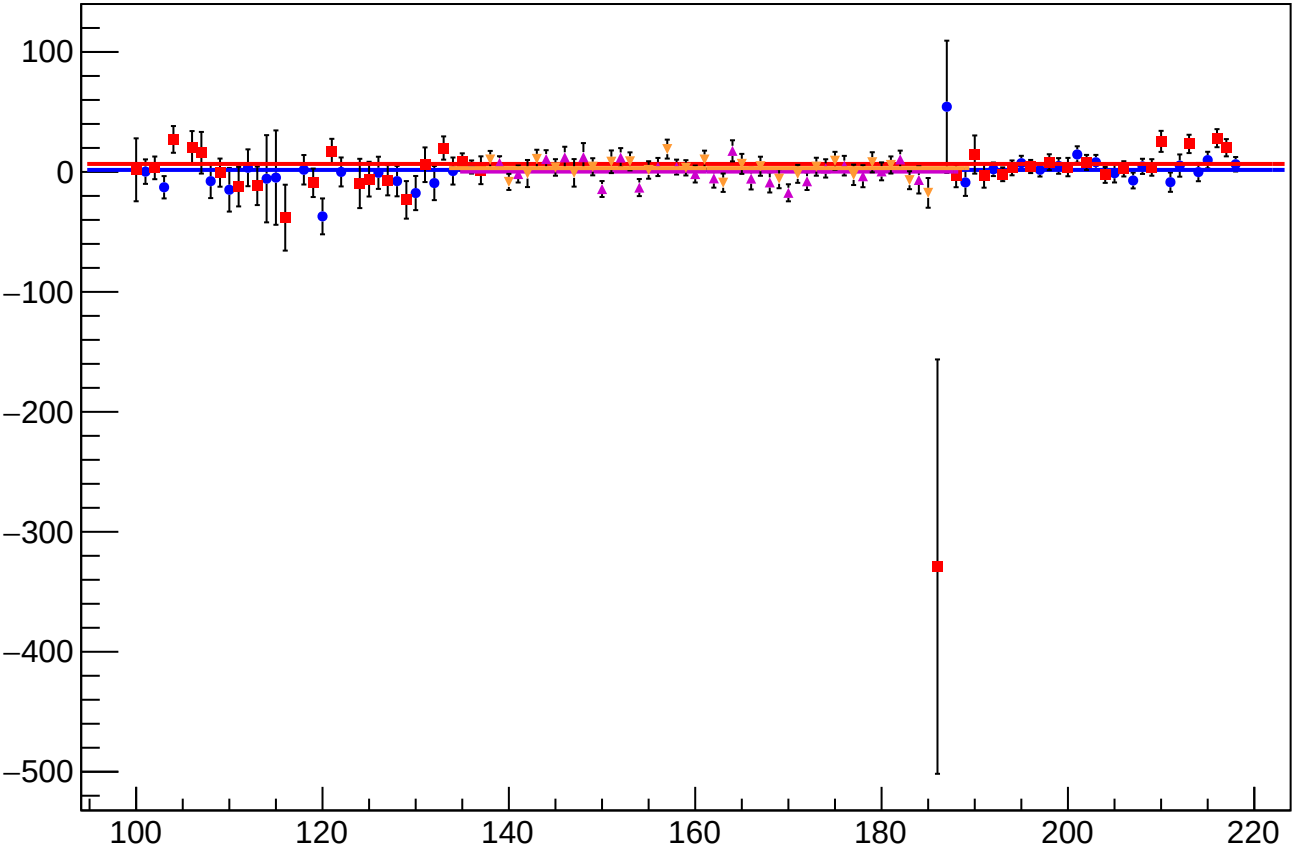
Left In: 8767.705+/-1.456 χ^2/NDF:295552.8/22

+ sign 10346.194+/-1.257 χ^2/NDF: 10846261.6/56

All: 10468.519+/-0.905 χ^2/NDF: 22417579.5

- sign 10599.945+/-1.303 χ^2/NDF: 11551671.3/58

diff_bpm4acY_mean vs Slug



Right In: 1.669+/-1.503 χ^2/NDF: 27.2/31

Left Out: 3.171+/-1.562 χ^2/NDF:21.7/24

Right Out: 6.660+/-1.510 χ^2/NDF: 54.3/35

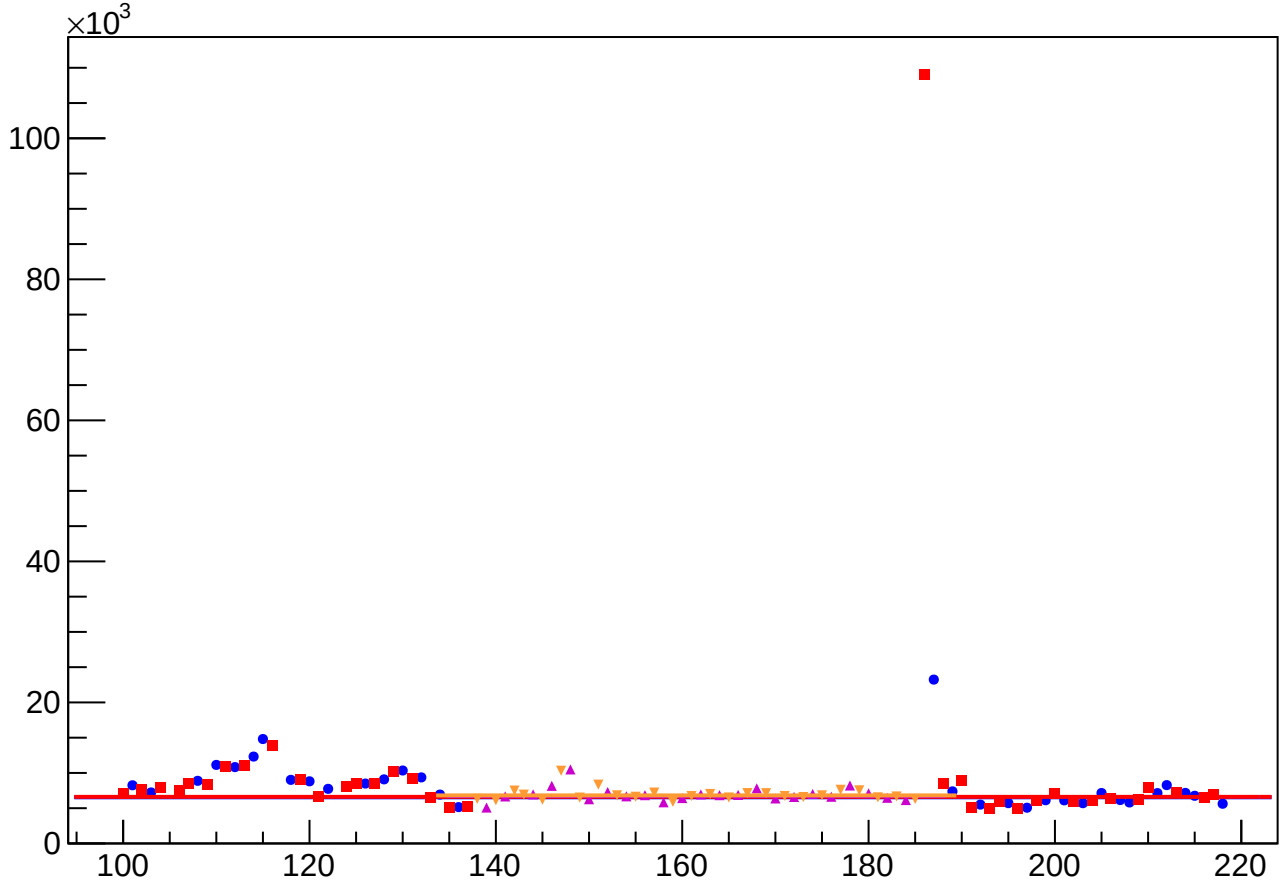
Left In: 0.269+/-1.590 χ^2/NDF:34.2/22

+ sign 2.391+/-1.083 χ^2/NDF: 49.4/56

All: 3.003+/-0.770 χ^2/NDF: 147.0/115

- sign 3.629+/-1.095 χ^2/NDF: 97.0/58

diff_bpm4acY_rms vs Slug



Right In: 6546.056+/-1.063 χ^2/NDF: 1843539.2/31

Left Out: 6812.964+/-1.104 χ^2/NDF:394620.8/24

Right Out: 6606.315+/-1.068 χ^2/NDF: 2398123.4/35

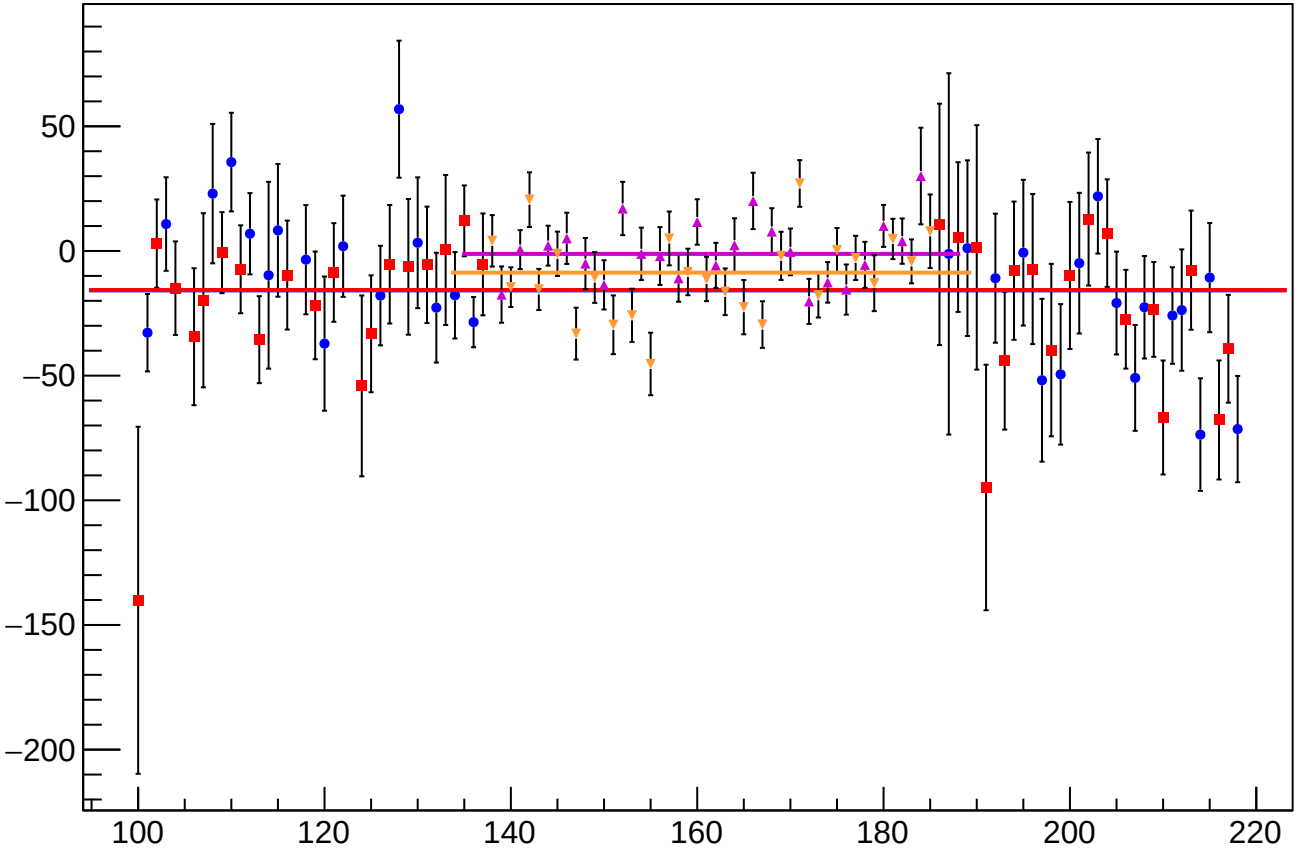
Left In: 6727.864+/-1.124 χ^2/NDF:610037.3/22

+ sign 6674.373+/-0.766 χ^2/NDF: 2268489.1/56

All: 6669.224+/-0.544 χ^2/NDF: 5282884.7/11

- sign 6663.960+/-0.774 χ^2/NDF: 3014304.2/58

diff_bpm4ecX_mean vs Slug



Right In: -15.797+/-3.788 χ^2/NDF: 48.4/31

Left Out: -8.692+/-1.936 χ^2/NDF:61.4/24

Right Out: -15.648+/-3.894 χ^2/NDF: 33.1/35

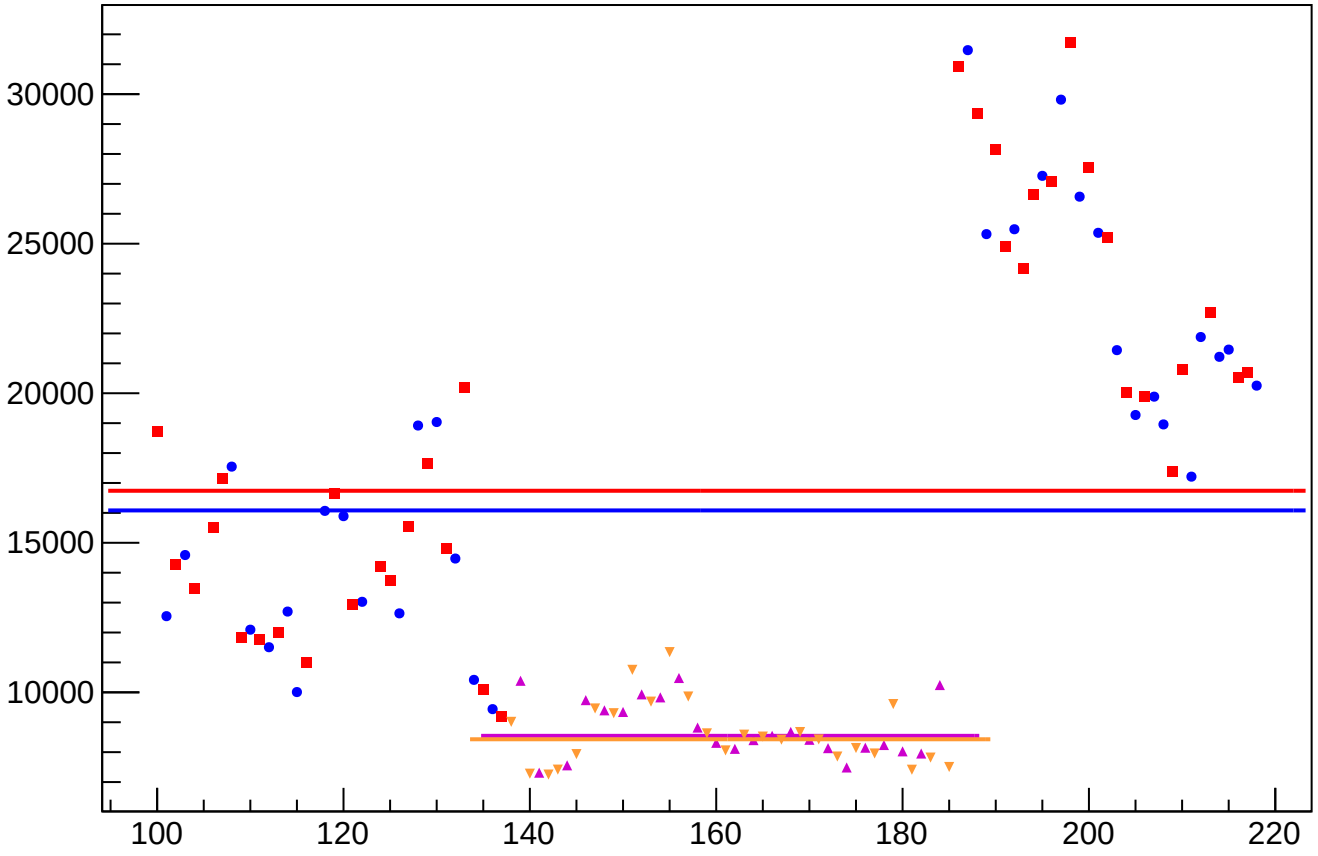
Left In: -1.174+/-2.012 χ^2/NDF:28.6/22

+ sign -10.164+/-1.724 χ^2/NDF: 112.6/56

All: -7.303+/-1.241 χ^2/NDF: 190.9/115

- sign -4.225+/-1.788 χ^2/NDF: 72.5/58

diff_bpm4ecX_rms vs Slug



Right In: 16082.138+/-2.678 χ^2/NDF: 4041501.6/31

Left Out: 8430.683+/-1.369 χ^2/NDF:484653.2/24

Right Out: 16739.489+/-2.753 χ^2/NDF: 4180934.1/35

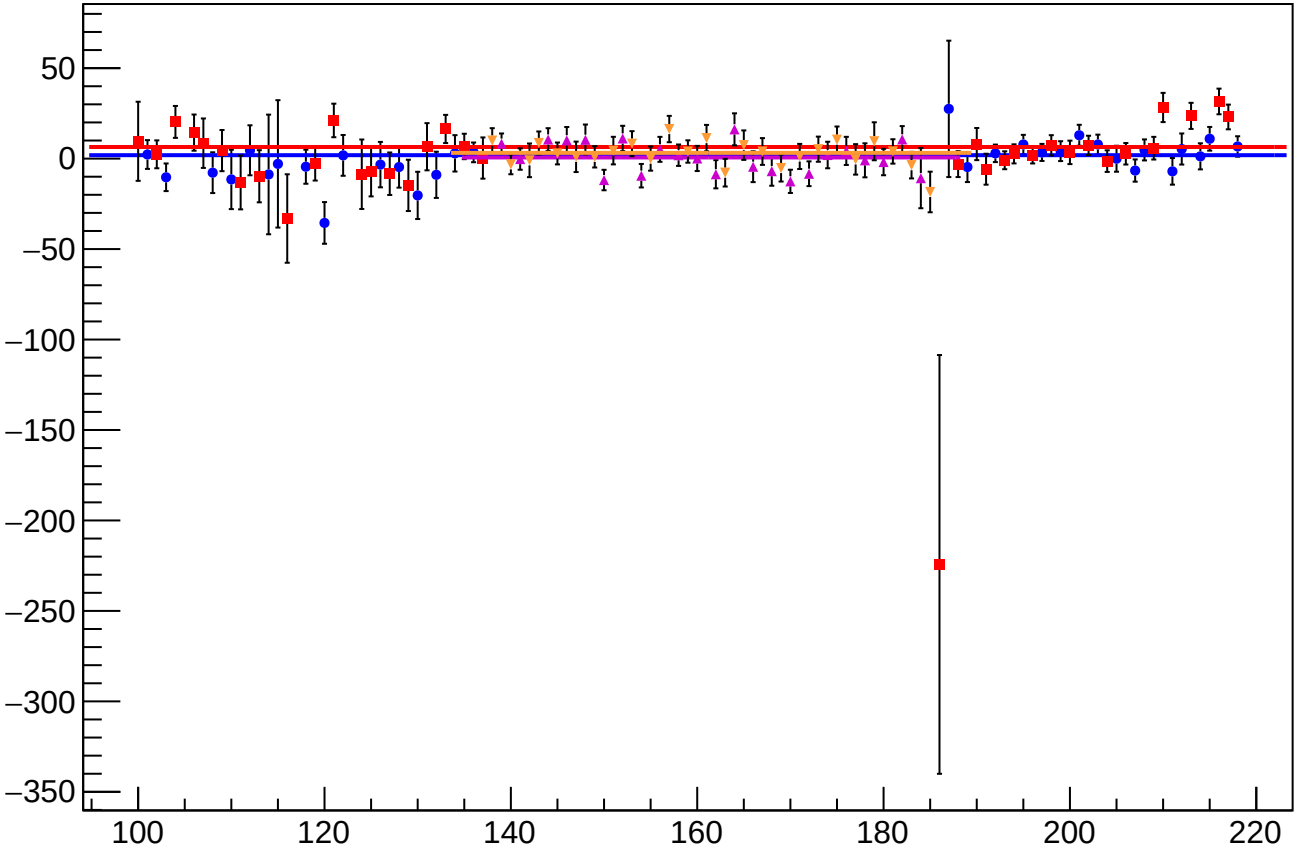
Left In: 8545.534+/-1.423 χ^2/NDF:389747.0/22

+ sign 10015.901+/-1.219 χ^2/NDF: 10997328.4/56

All: 10139.759+/-0.877 χ^2/NDF: 22579845.1

- sign 10272.946+/-1.264 χ^2/NDF: 11561092.3/58

diff_bpm4ecY_mean vs Slug



Right In: 1.896+/-1.331 χ^2/NDF: 33.3/31

Left Out: 3.185+/-1.435 χ^2/NDF:18.7/24

Right Out: 6.422+/-1.317 χ^2/NDF: 65.3/35

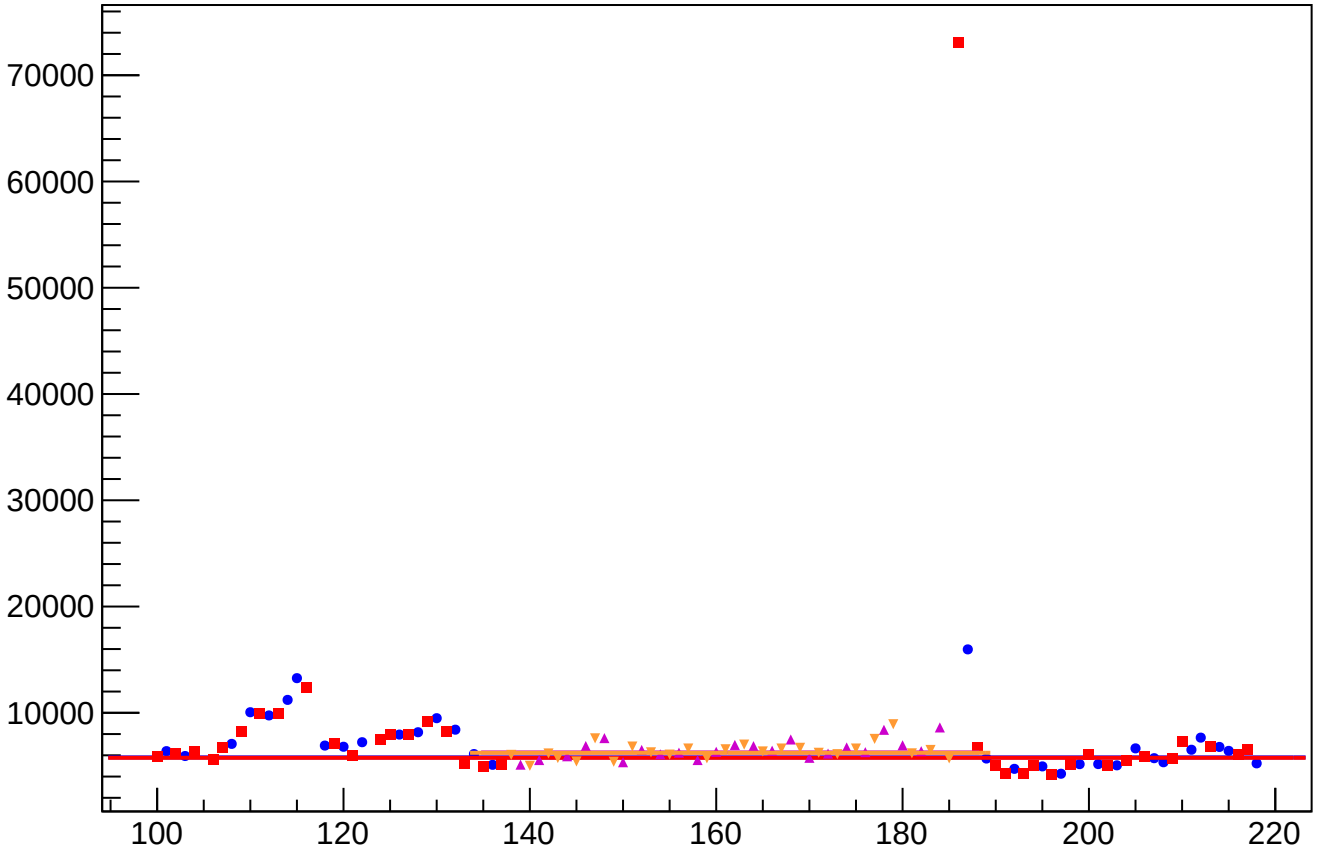
Left In: 0.633+/-1.482 χ^2/NDF:31.8/22

+ sign 2.492+/-0.976 χ^2/NDF: 52.4/56

All: 3.174+/-0.693 χ^2/NDF: 159.0/115

- sign 3.868+/-0.984 χ^2/NDF: 105.6/58

diff_bpm4ecY_rms vs Slug



Right In: 5803.406+/-0.941 χ^2/NDF: 1800932.6/31

Left Out: 6237.931+/-1.015 χ^2/NDF:507726.8/24

Right Out: 5766.648+/-0.931 χ^2/NDF: 2442212.7/35

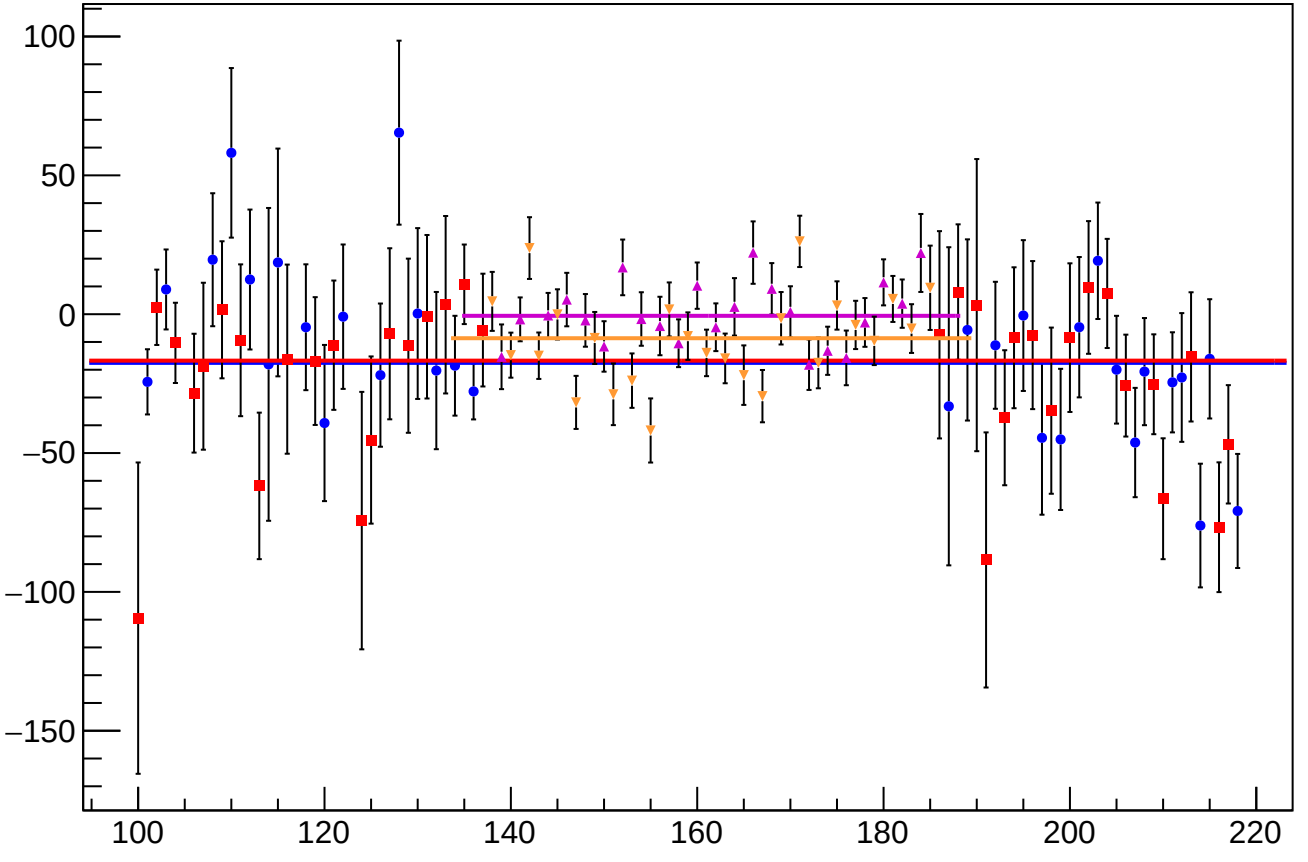
Left In: 6268.263+/-1.048 χ^2/NDF:524326.6/22

+ sign 6004.371+/-0.690 χ^2/NDF: 2407256.6/56

All: 5996.228+/-0.490 χ^2/NDF: 5502165.7/11

- sign 5987.943+/-0.696 χ^2/NDF: 3094628.1/58

diff_bpm1X_mean vs Slug



Right In: -17.523+/-3.770 χ^2/NDF: 45.6/31

Left Out: -8.650+/-1.875 χ^2/NDF:63.0/24

Right Out: -16.723+/-3.931 χ^2/NDF: 38.2/35

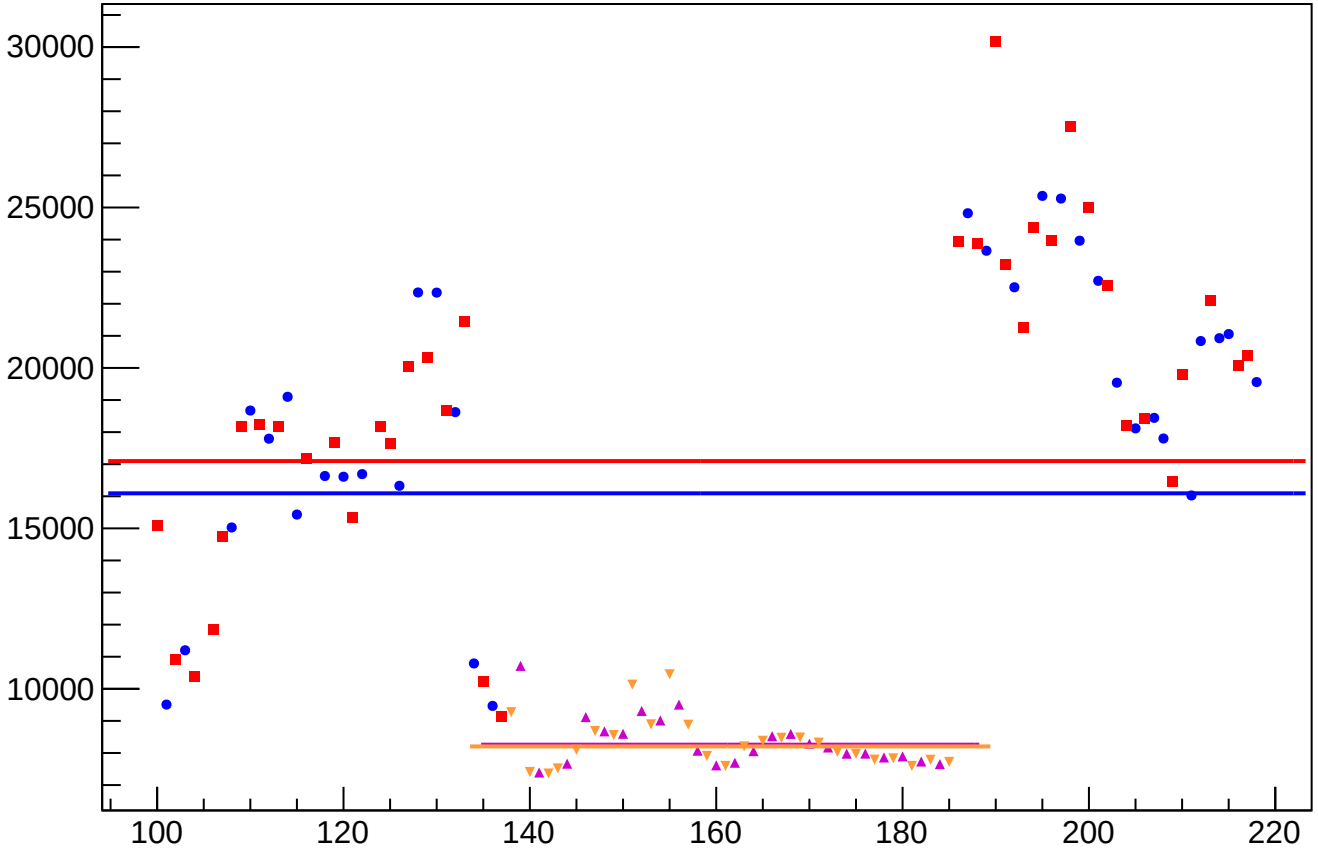
Left In: -0.583+/-1.939 χ^2/NDF:28.5/22

+ sign -10.410+/-1.679 χ^2/NDF: 113.1/56

All: -7.192+/-1.208 χ^2/NDF: 200.9/115

- sign -3.741+/-1.739 χ^2/NDF: 80.2/58

diff_bpm1X_rms vs Slug



Right In: 16092.433+/-2.666 χ^2/NDF: 3660544.8/31

Left Out: 8204.502+/-1.326 χ^2/NDF:272958.7/24

Right Out: 17097.496+/-2.780 χ^2/NDF: 3340013.1/35

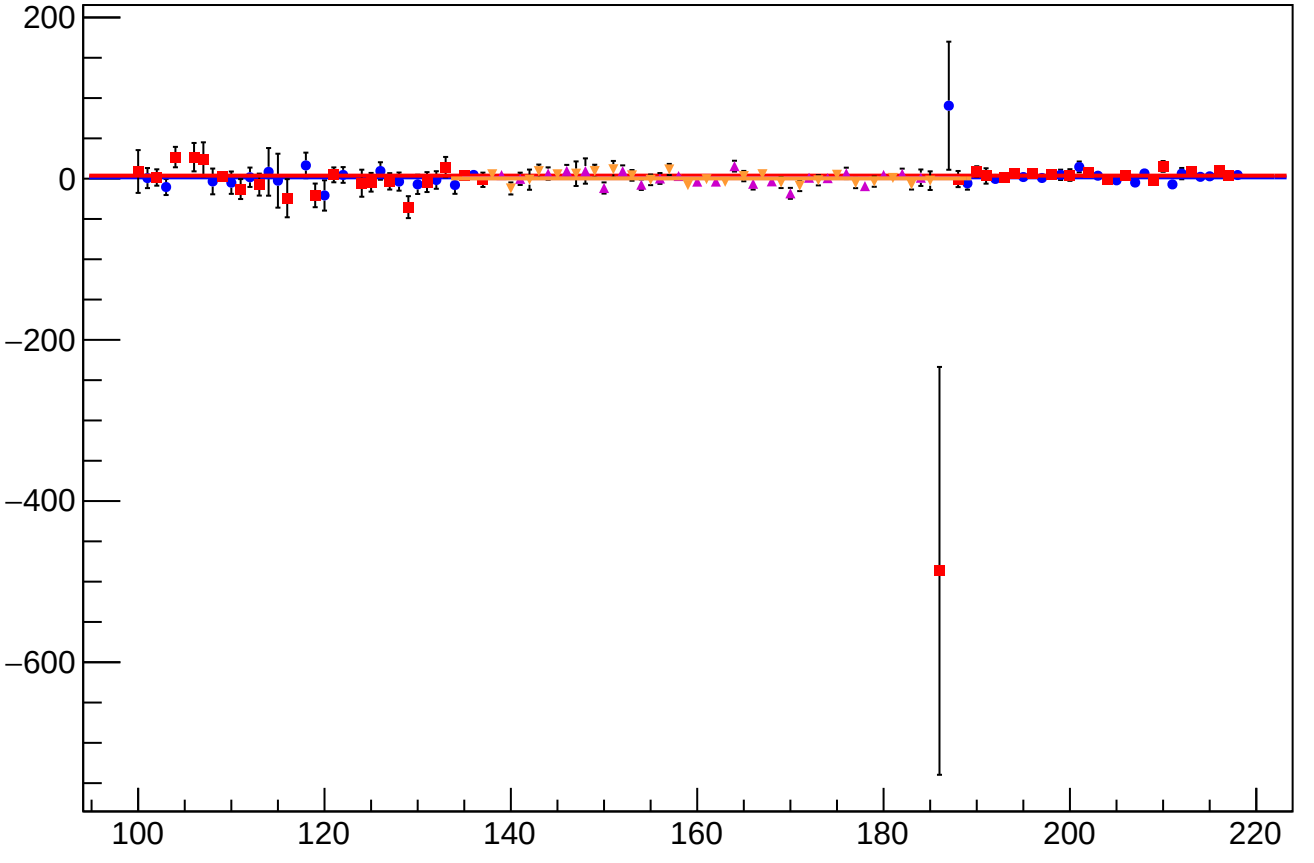
Left In: 8259.162+/-1.371 χ^2/NDF:257333.8/22

+ sign 9768.642+/-1.187 χ^2/NDF: 10951774.2/56

All: 9874.681+/-0.854 χ^2/NDF: 22697456.8/1

- sign 9988.425+/-1.230 χ^2/NDF: 11729146.3/58

diff_bpm1Y_mean vs Slug



Right In: 1.656+/-1.284 χ^2/NDF: 19.0/31

Left Out: 0.353+/-1.322 χ^2/NDF:21.5/24

Right Out: 3.761+/-1.260 χ^2/NDF: 35.9/35

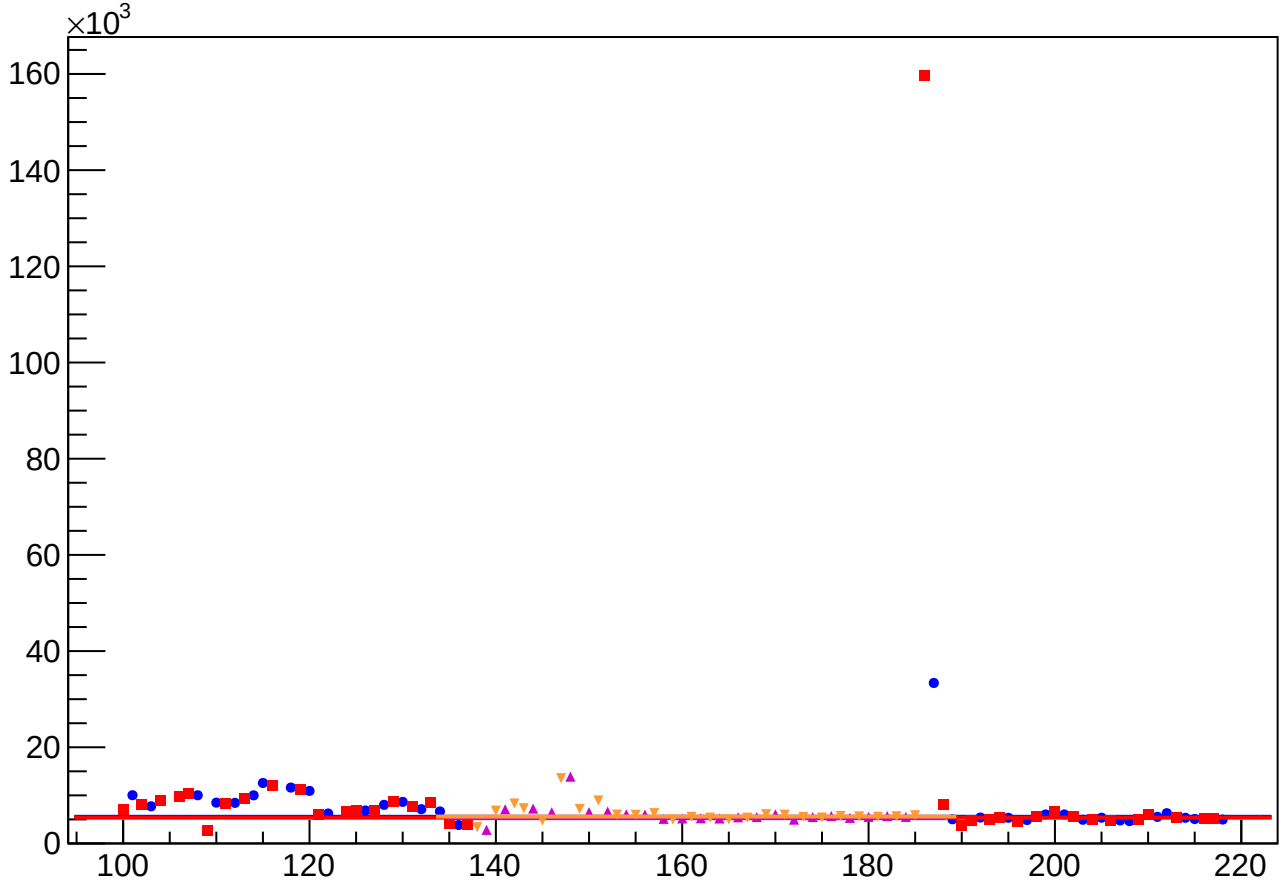
Left In: 0.709+/-1.291 χ^2/NDF:29.9/22

+ sign 1.023+/-0.921 χ^2/NDF: 41.0/56

All: 1.661+/-0.644 χ^2/NDF: 110.6/115

- sign 2.272+/-0.902 χ^2/NDF: 68.6/58

diff_bpm1Y_rms vs Slug



Right In: 5540.041+/-0.908 χ^2/NDF: 2504032.7/31

Left Out: 5594.503+/-0.935 χ^2/NDF:1784259.1/24

Right Out: 5366.778+/-0.891 χ^2/NDF: 3820047.3/35

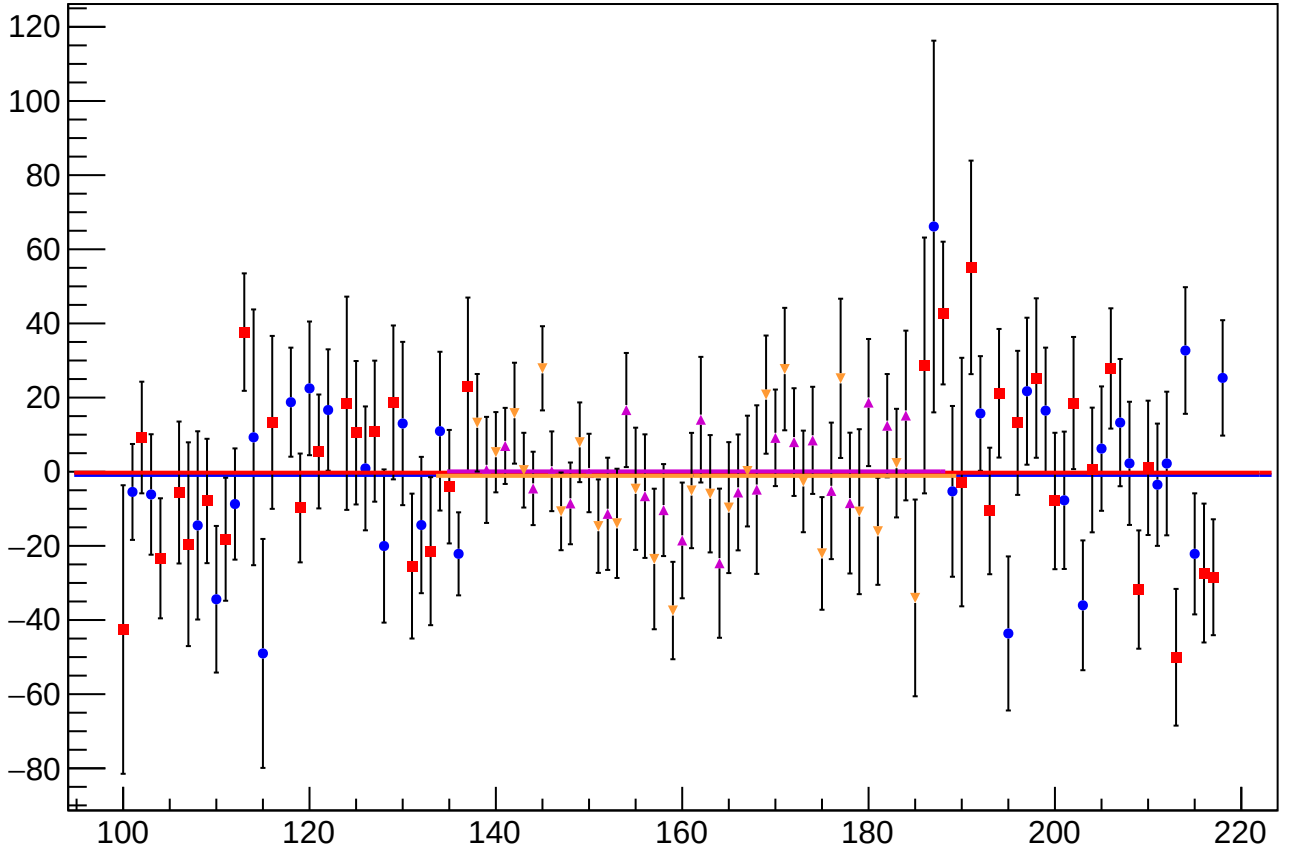
Left In: 5262.754+/-0.913 χ^2/NDF:2425604.2/22

+ sign 5566.479+/-0.651 χ^2/NDF: 4290039.4/56

All: 5438.655+/-0.456 χ^2/NDF: 10617852.9/1

- sign 5316.021+/-0.638 χ^2/NDF: 6252298.7/58

diff_bpm11X_mean vs Slug



Right In: -0.860+/-3.133 χ^2/NDF: 39.6/31

Left Out: -1.111+/-2.813 χ^2/NDF:33.8/24

Right Out: -0.259+/-3.125 χ^2/NDF: 51.9/35

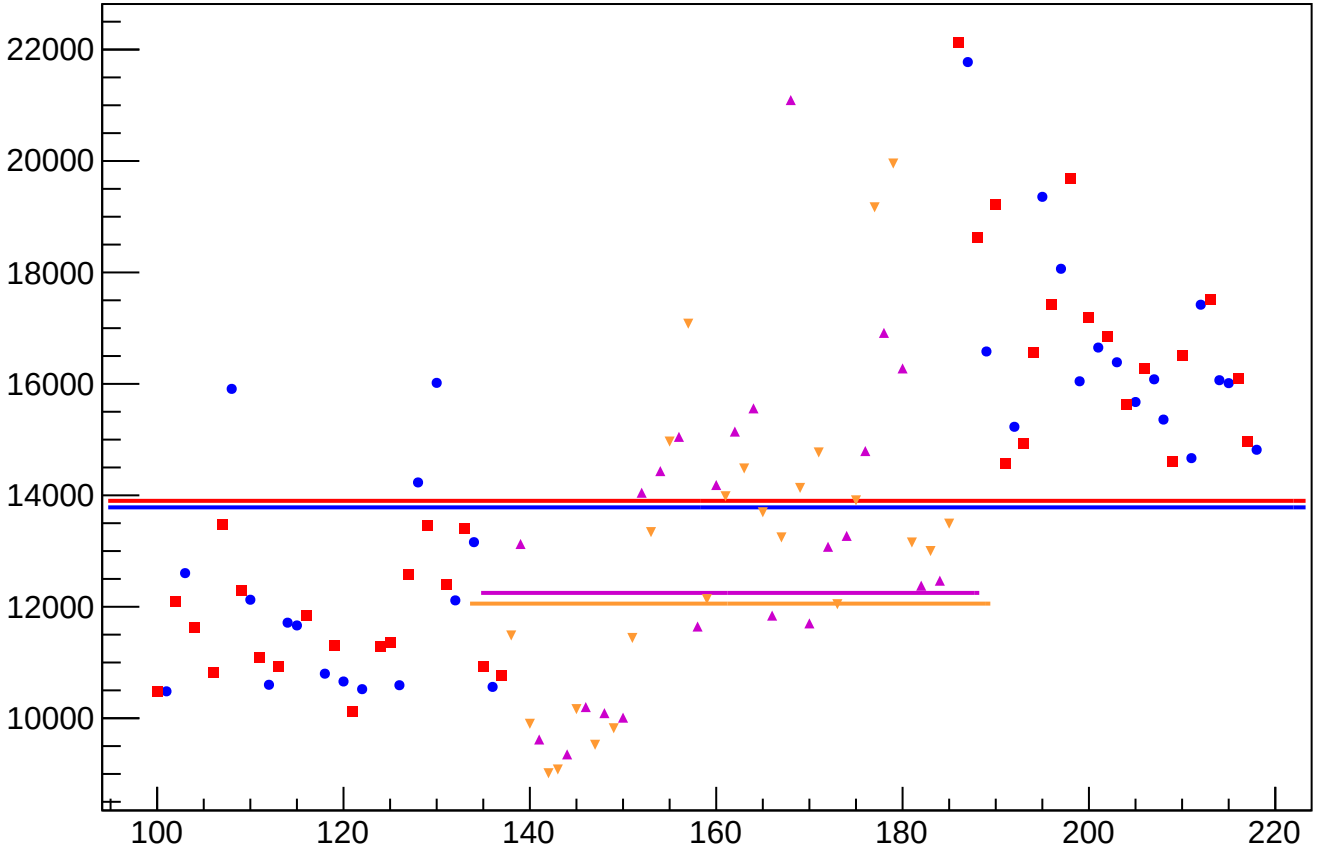
Left In: 0.084+/-2.926 χ^2/NDF:11.5/22

+ sign -0.999+/-2.093 χ^2/NDF: 73.3/56

All: -0.547+/-1.495 χ^2/NDF: 136.8/115

- sign -0.076+/-2.136 χ^2/NDF: 63.4/58

diff_bpm11X_rms vs Slug



Right In: 13784.064+/-2.215 χ^2/NDF: 1475441.9/31

Left Out: 12056.714+/-1.989 χ^2/NDF:1561738.9/24

Right Out: 13901.300+/-2.209 χ^2/NDF: 1559095.5/35

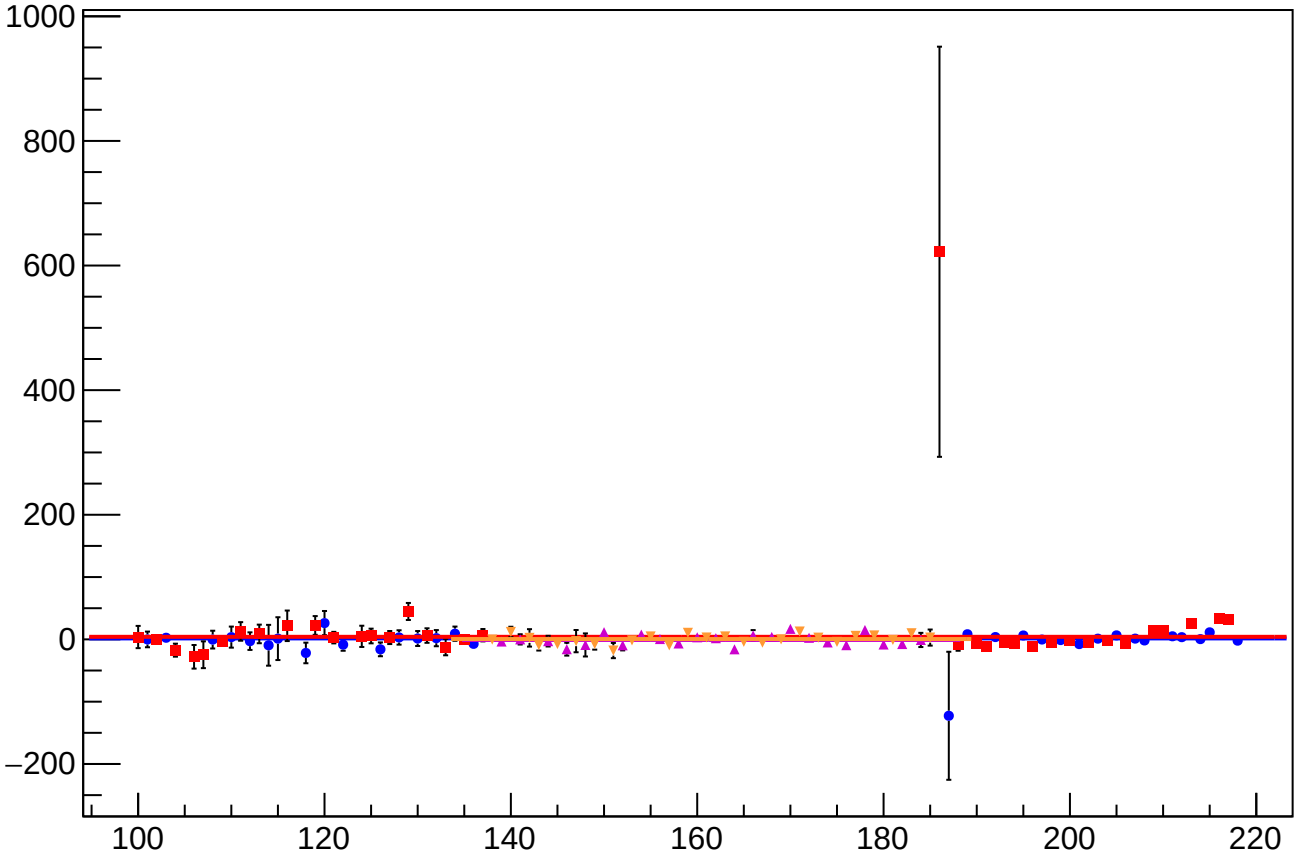
Left In: 12249.109+/-2.069 χ^2/NDF:1416030.4/22

+ sign 12827.854+/-1.480 χ^2/NDF: 3373833.1/56

All: 12922.534+/-1.057 χ^2/NDF: 6655219.5/1

- sign 13021.133+/-1.510 χ^2/NDF: 3273031.5/58

diff_bpm11Y_mean vs Slug



Right In: 1.540+/-1.068 χ^2/NDF: 27.2/31

Left Out: 0.526+/-1.369 χ^2/NDF:21.4/24

Right Out: 4.092+/-1.071 χ^2/NDF: 183.2/35

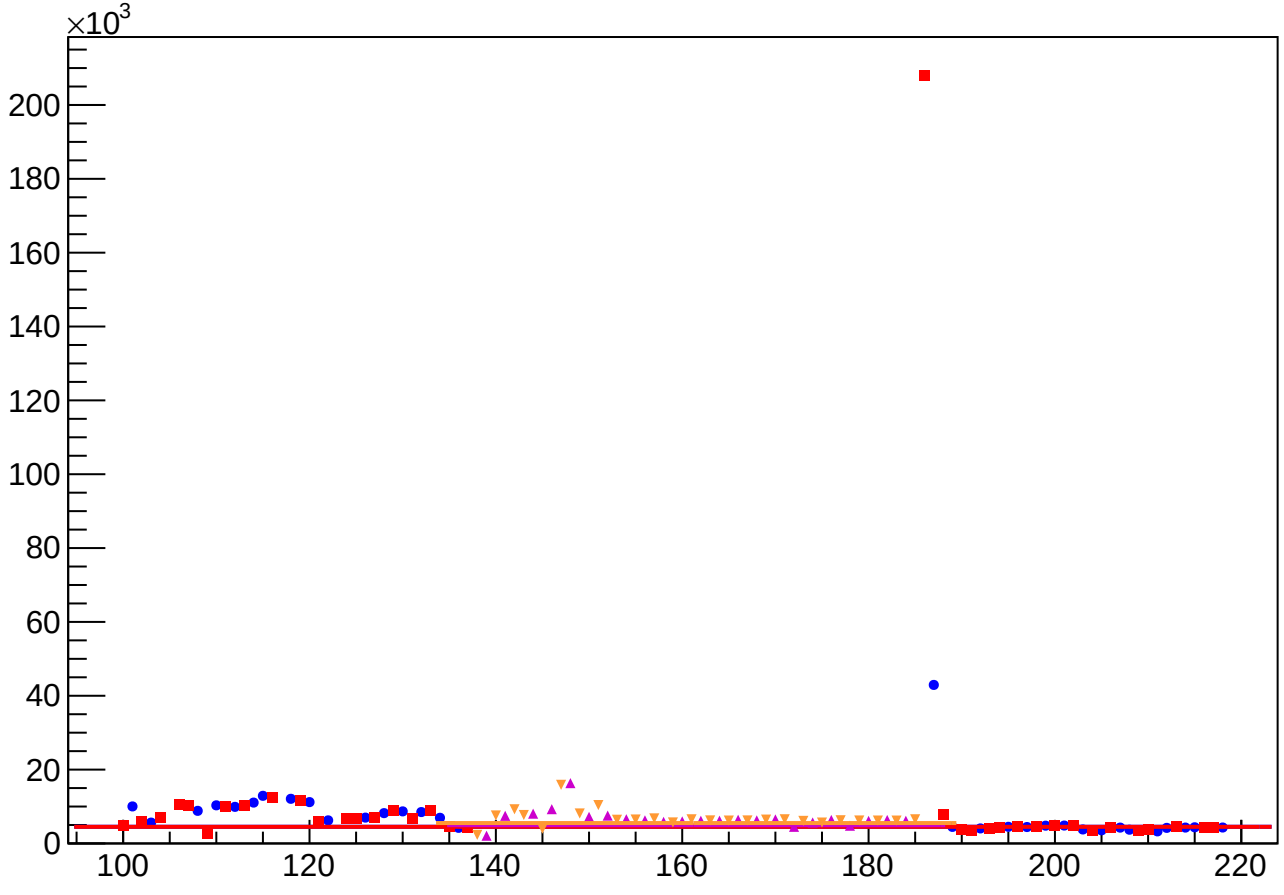
Left In: -0.946+/-1.294 χ^2/NDF:32.2/22

+ sign 1.156+/-0.842 χ^2/NDF: 49.0/56

All: 1.608+/-0.589 χ^2/NDF: 273.9/115

- sign 2.043+/-0.825 χ^2/NDF: 224.4/58

diff_bpm11Y_rms vs Slug



Right In: 4521.578+/-0.755 χ^2/NDF: 3729948.6/31

Left Out: 5527.971+/-0.968 χ^2/NDF:4375722.1/24

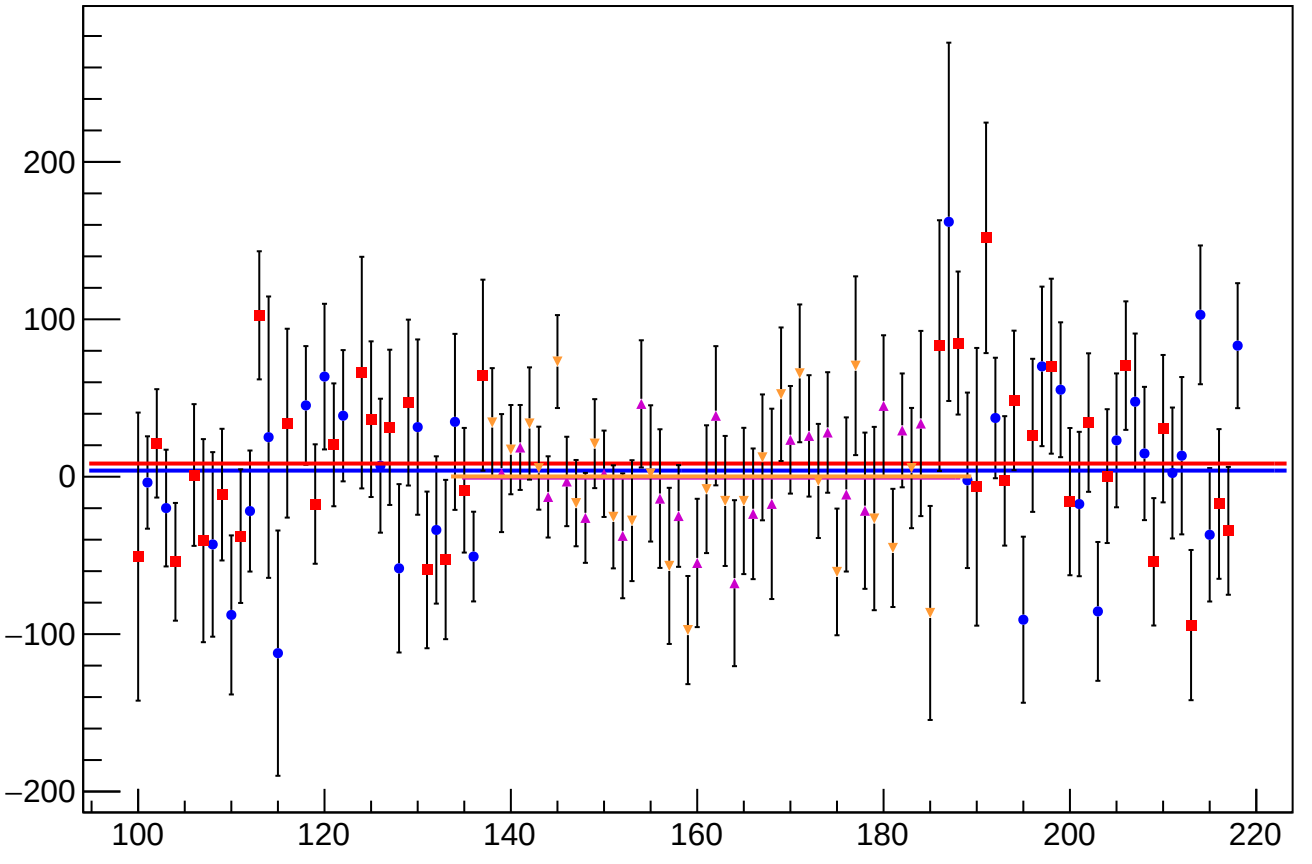
Right Out: 4502.708+/-0.758 χ^2/NDF: 4240330.3/35

Left In: 4941.993+/-0.915 χ^2/NDF:5936108.3/22

+ sign 4902.368+/-0.595 χ^2/NDF: 8777818.1/56

All: 4789.654+/-0.417 χ^2/NDF: 19161252.6/1

- sign 4681.335+/-0.584 χ^2/NDF: 10313140.4/58



Right In: 3.895+/-7.855 χ^2/NDF: 41.6/31

Left Out: 0.168+/-7.375 χ^2/NDF:31.1/24

Right Out: 8.366+/-7.827 χ^2/NDF: 38.9/35

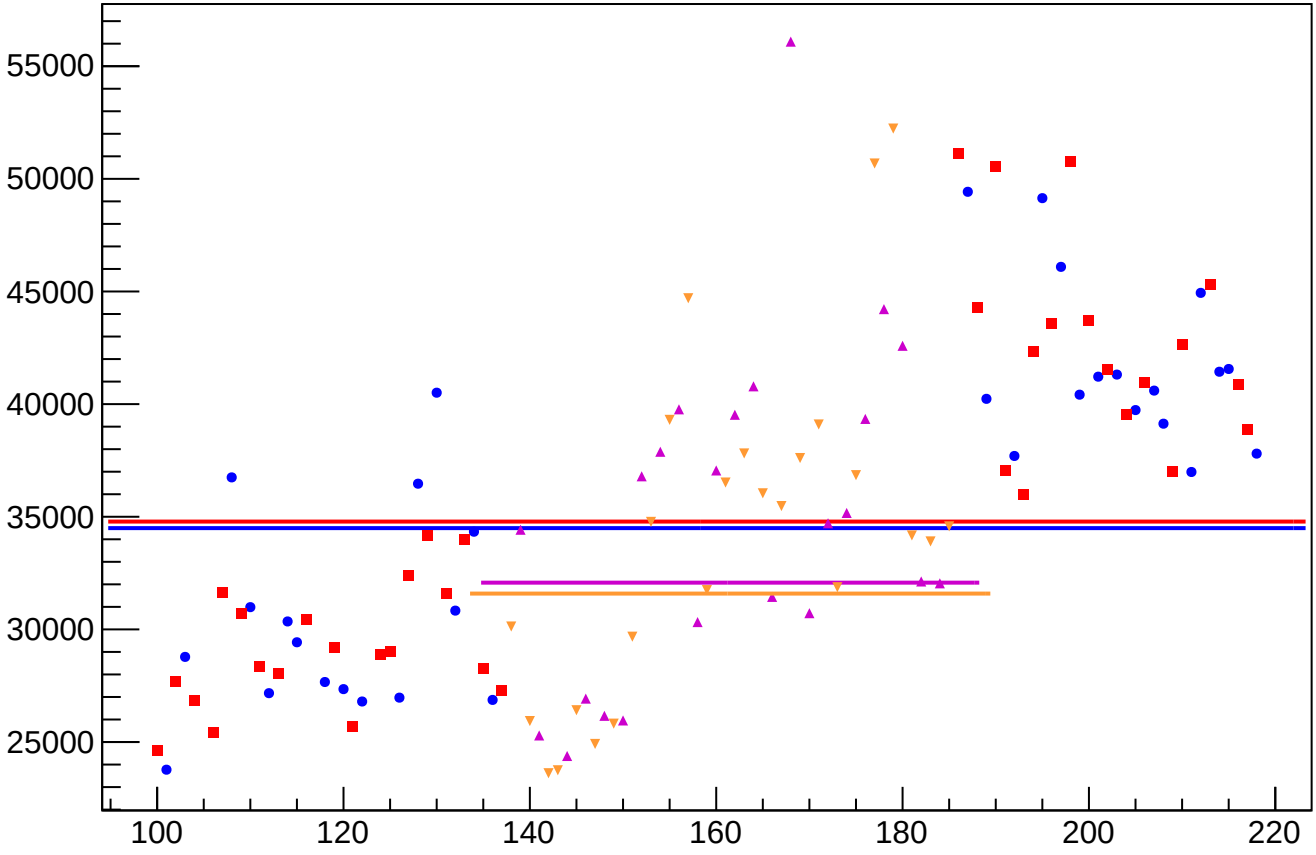
Left In: -0.586+/-7.667 χ^2/NDF:12.8/22

+ sign 1.914+/-5.376 χ^2/NDF: 72.9/56

All: 2.838+/-3.837 χ^2/NDF: 125.3/115

- sign 3.797+/-5.477 χ^2/NDF: 52.4/58

diff_bpm12X_rms vs Slug



Right In: 34495.489+/-5.554 χ^2/NDF: 1603226.3/31

Left Out: 31589.841+/-5.215 χ^2/NDF:1590867.7/24

Right Out: 34786.645+/-5.534 χ^2/NDF: 1641758.2/35

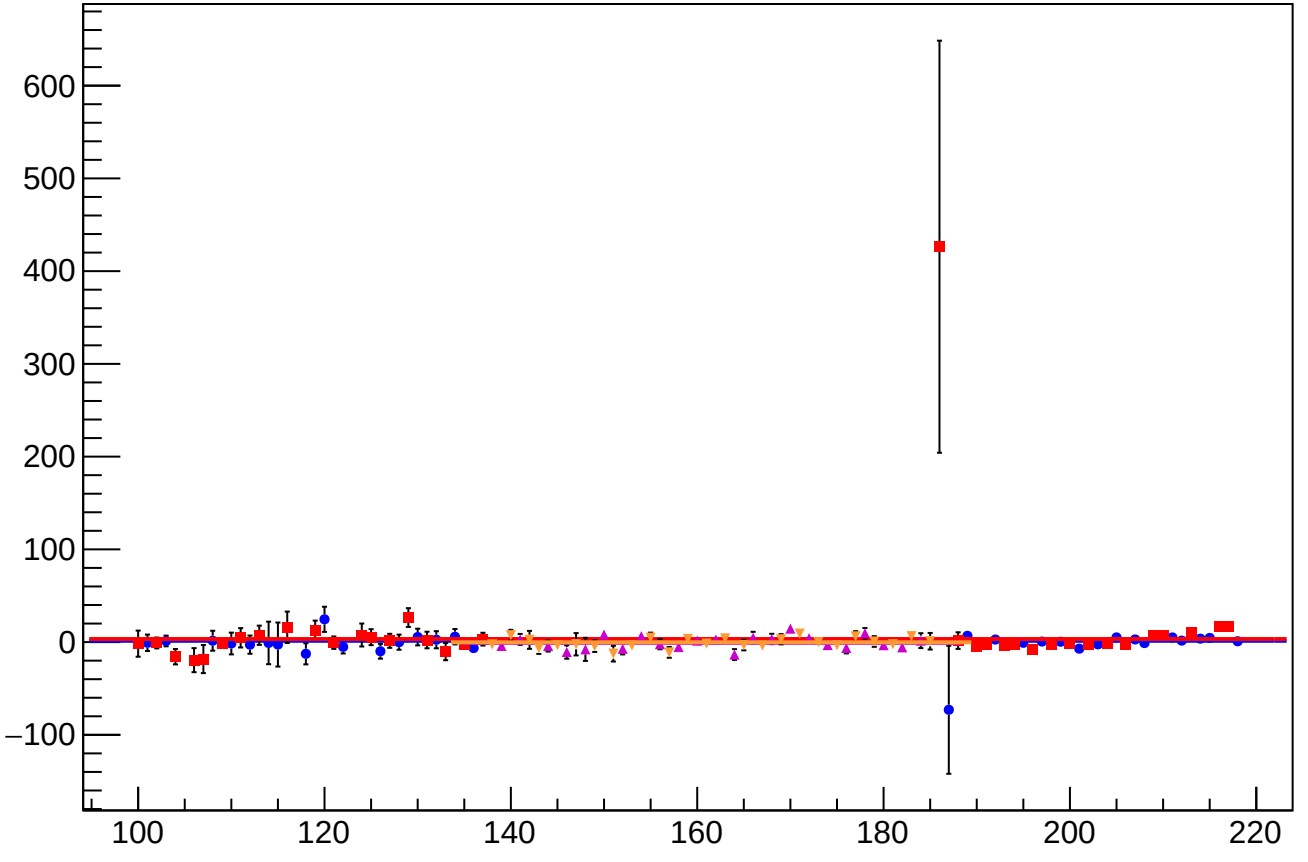
Left In: 32075.078+/-5.421 χ^2/NDF:1455714.6/22

+ sign 32951.174+/-3.802 χ^2/NDF: 3339552.1/56

All: 33172.861+/-2.713 χ^2/NDF: 6566457.9/1

- sign 33402.913+/-3.873 χ^2/NDF: 3219976.8/58

diff_bpm12Y_mean vs Slug



Right In: 1.443+/-0.613 χ^2/NDF: 37.0/31

Left Out: -0.226+/-1.094 χ^2/NDF:19.9/24

Right Out: 3.307+/-0.645 χ^2/NDF: 155.2/35

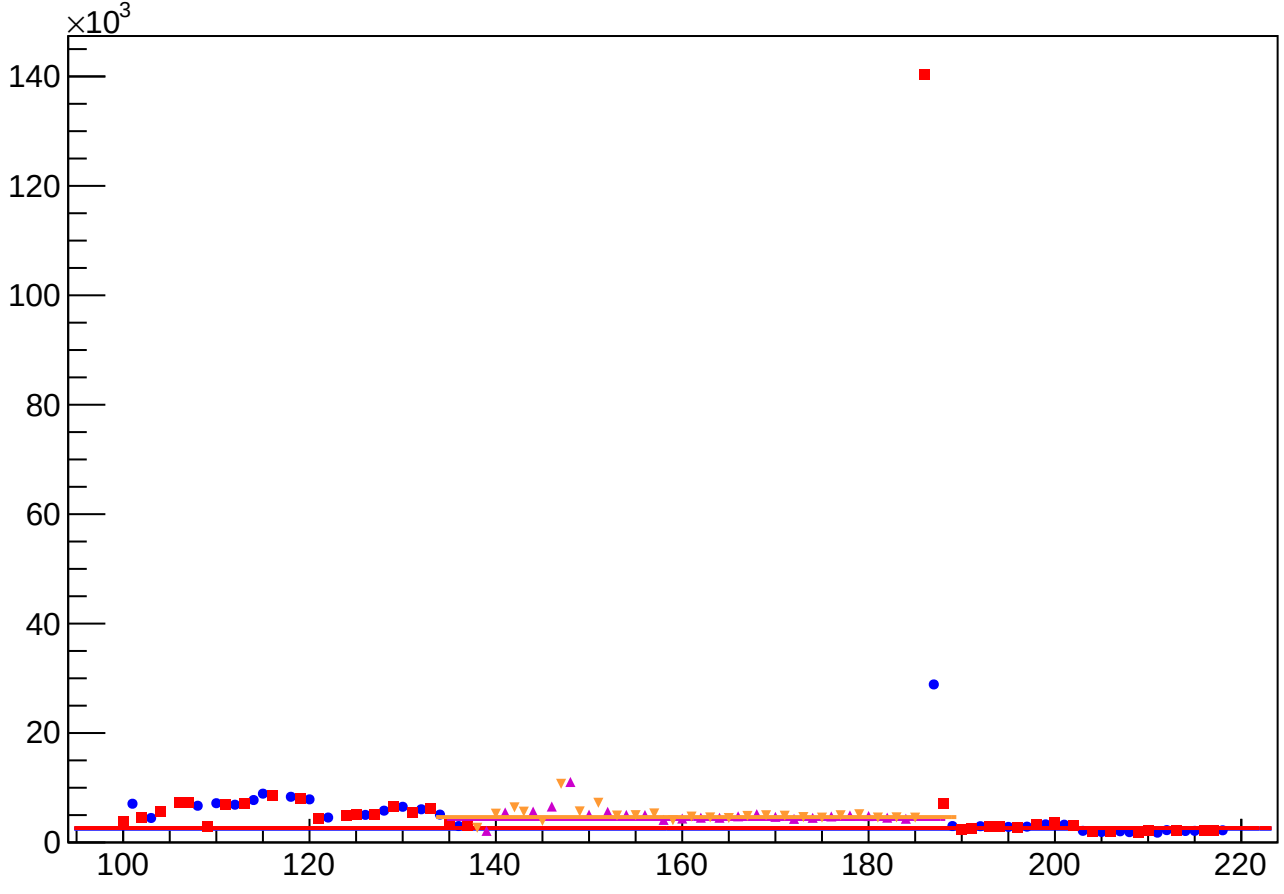
Left In: -0.788+/-1.061 χ^2/NDF:33.8/22

\+ sign 1.044+/-0.535 χ^2/NDF: 58.7/56

All: 1.606+/-0.384 χ^2/NDF: 260.8/115

\- sign 2.202+/-0.551 χ^2/NDF: 199.8/58

diff_bpm12Y_rms vs Slug



Right In: 2511.060+/-0.433 χ^2/NDF: 6042300.3/31

Left Out: 4637.399+/-0.774 χ^2/NDF:1763103.2/24

Right Out: 2638.809+/-0.456 χ^2/NDF: 6489395.8/35

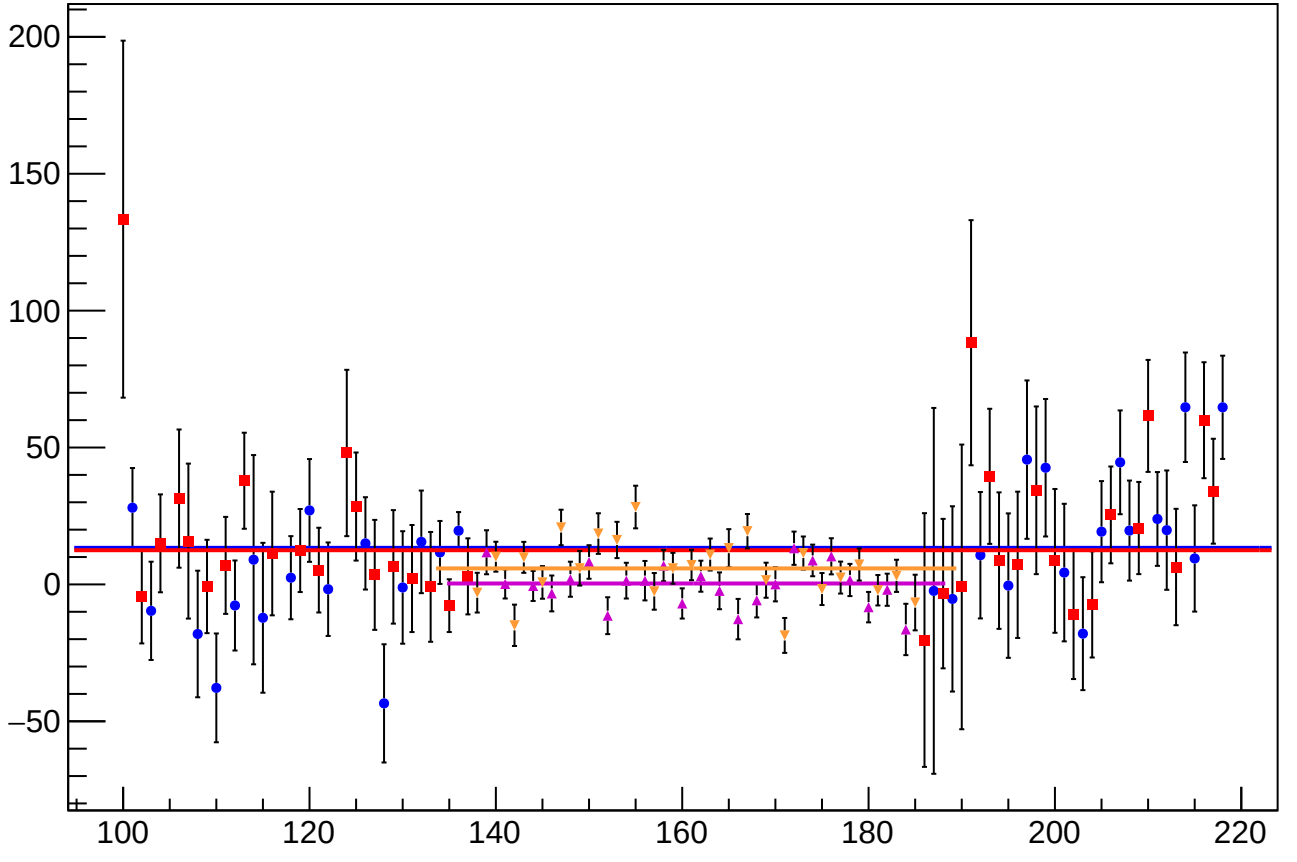
Left In: 4295.074+/-0.750 χ^2/NDF:3095610.0/22

+ sign 3019.077+/-0.378 χ^2/NDF: 13556499.6/56

All: 3051.471+/-0.271 χ^2/NDF: 26717320.7/1

- sign 3085.875+/-0.390 χ^2/NDF: 13145684.4/58

diff_bpm16X_mean vs Slug



Right In: 13.354+/-3.133 χ^2/NDF: 46.9/31

Left Out: 5.849+/-1.257 χ^2/NDF:60.0/24

Right Out: 12.493+/-3.332 χ^2/NDF: 36.5/35

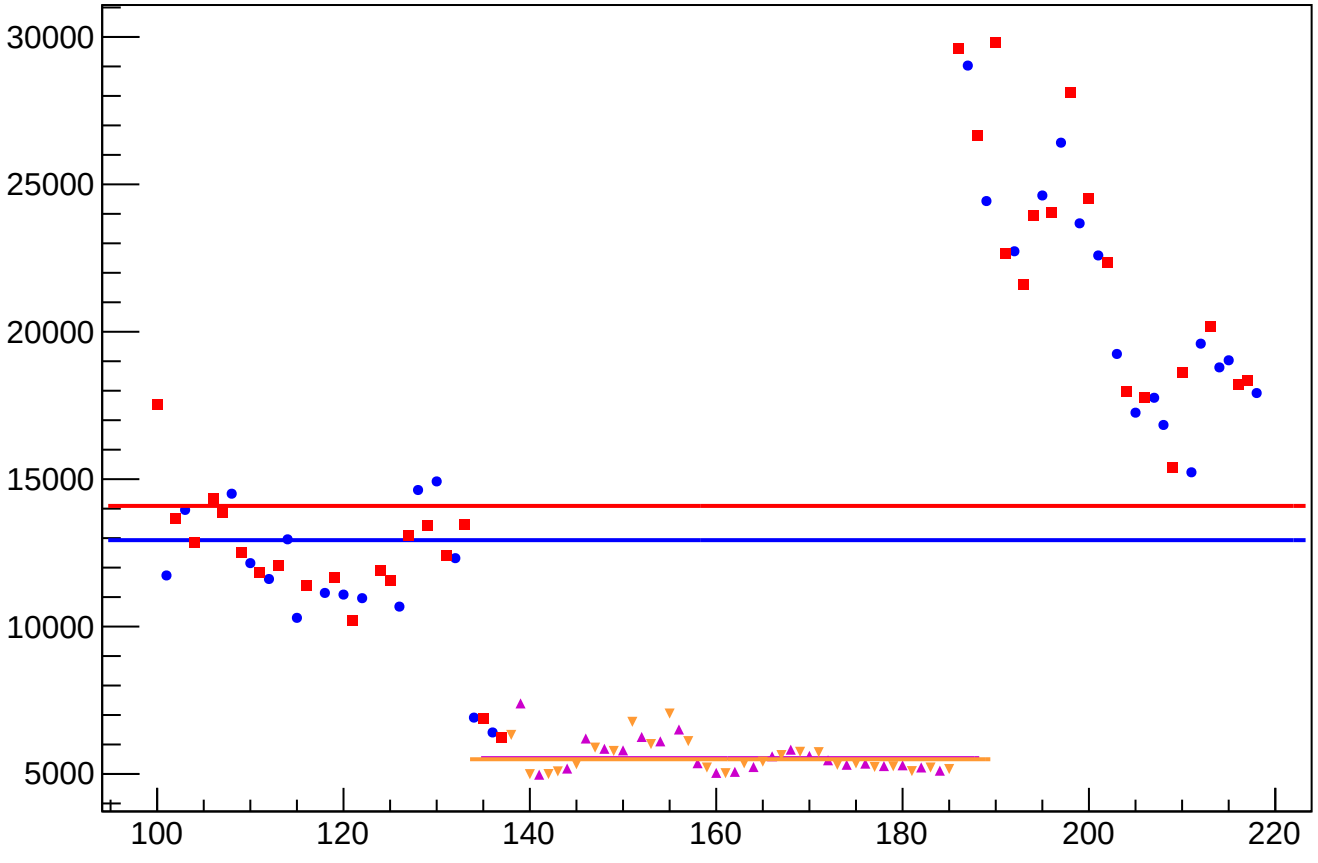
Left In: 0.337+/-1.301 χ^2/NDF:29.4/22

+ sign 6.890+/-1.167 χ^2/NDF: 111.9/56

All: 4.510+/-0.841 χ^2/NDF: 197.9/115

- sign 1.945+/-1.212 χ^2/NDF: 77.4/58

diff_bpm16X_rms vs Slug



Right In: 12931.191+/-2.216 χ^2/NDF: 6032803.0/31

Left Out: 5499.215+/-0.889 χ^2/NDF:297719.4/24

Right Out: 14092.718+/-2.356 χ^2/NDF: 5394141.2/35

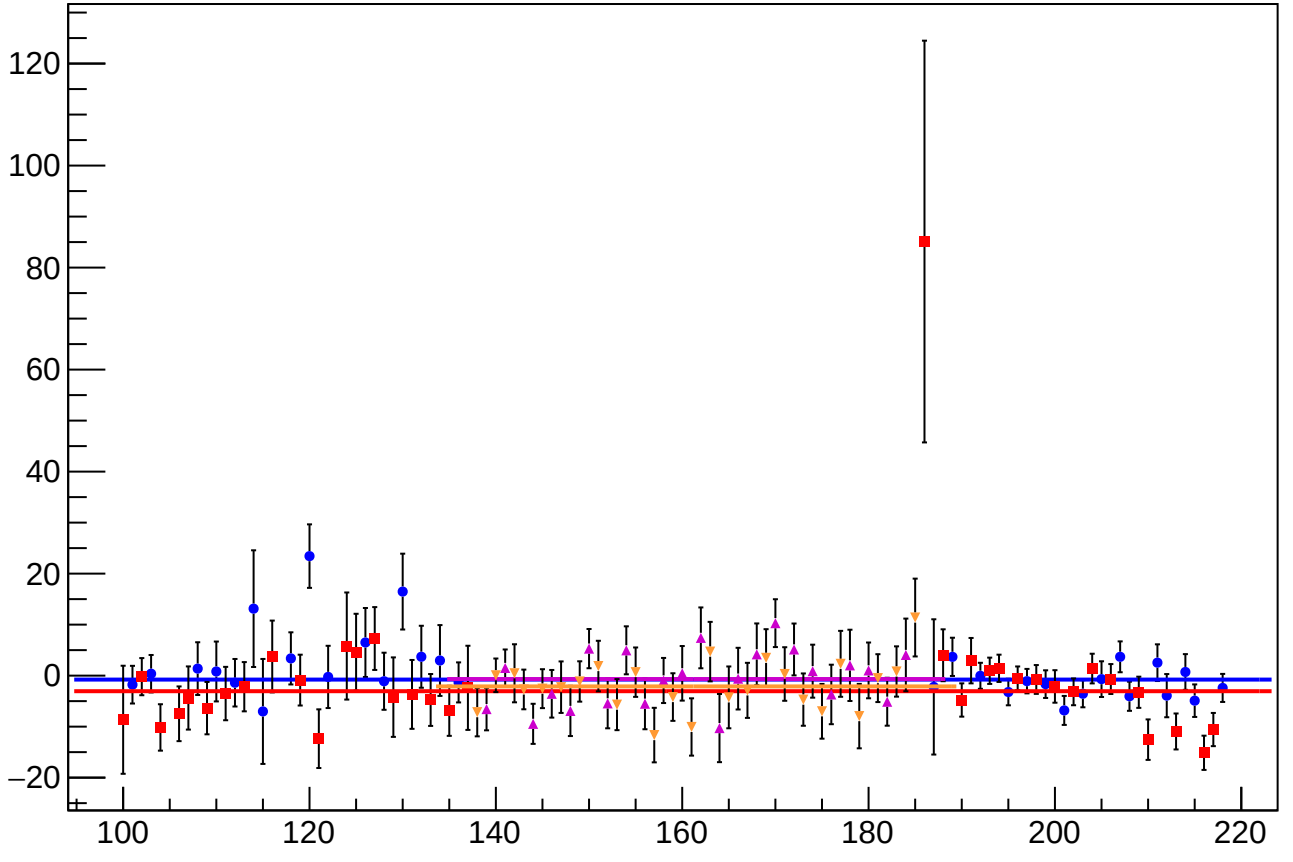
Left In: 5537.777+/-0.920 χ^2/NDF:304062.1/22

+ sign 6530.054+/-0.825 χ^2/NDF: 16021674.5/56

All: 6597.084+/-0.594 χ^2/NDF: 33176112.9/1

- sign 6669.355+/-0.857 χ^2/NDF: 17140724.9/58

diff_bpm16Y_mean vs Slug



Right In: -0.775+/-0.664 χ^2/NDF: 40.7/31

Left Out: -2.116+/-0.987 χ^2/NDF:17.5/24

Right Out: -3.053+/-0.662 χ^2/NDF: 61.8/35

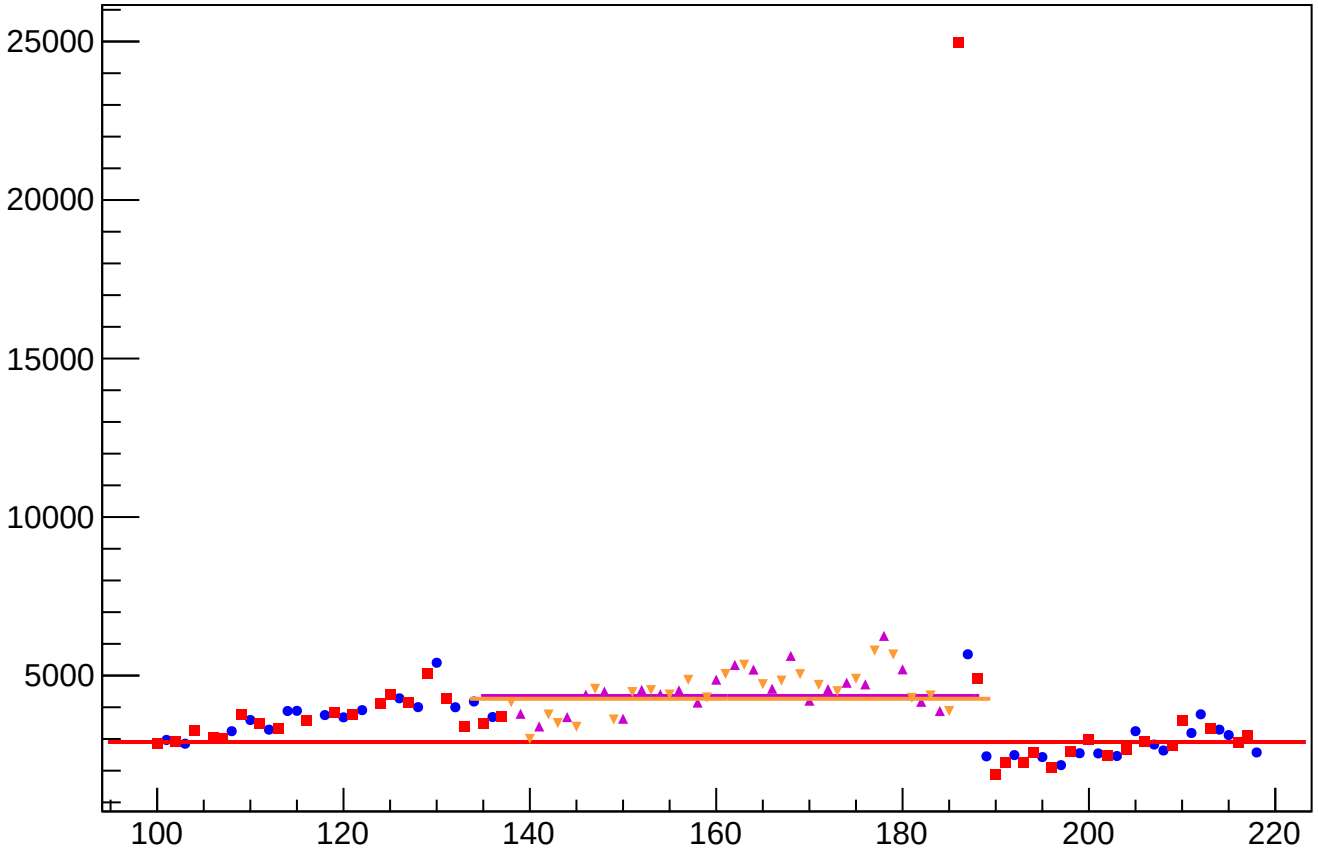
Left In: -0.670+/-1.031 χ^2/NDF:28.4/22

+ sign -1.193+/-0.551 χ^2/NDF: 59.4/56

All: -1.770+/-0.392 χ^2/NDF: 155.6/115

- sign -2.358+/-0.557 χ^2/NDF: 93.9/58

diff_bpm16Y_rms vs Slug



Right In: 2904.183+/-0.470 χ^2/NDF: 1566222.6/31

Left Out: 4267.631+/-0.698 χ^2/NDF:1034722.2/24

Right Out: 2904.309+/-0.468 χ^2/NDF: 2522917.4/35

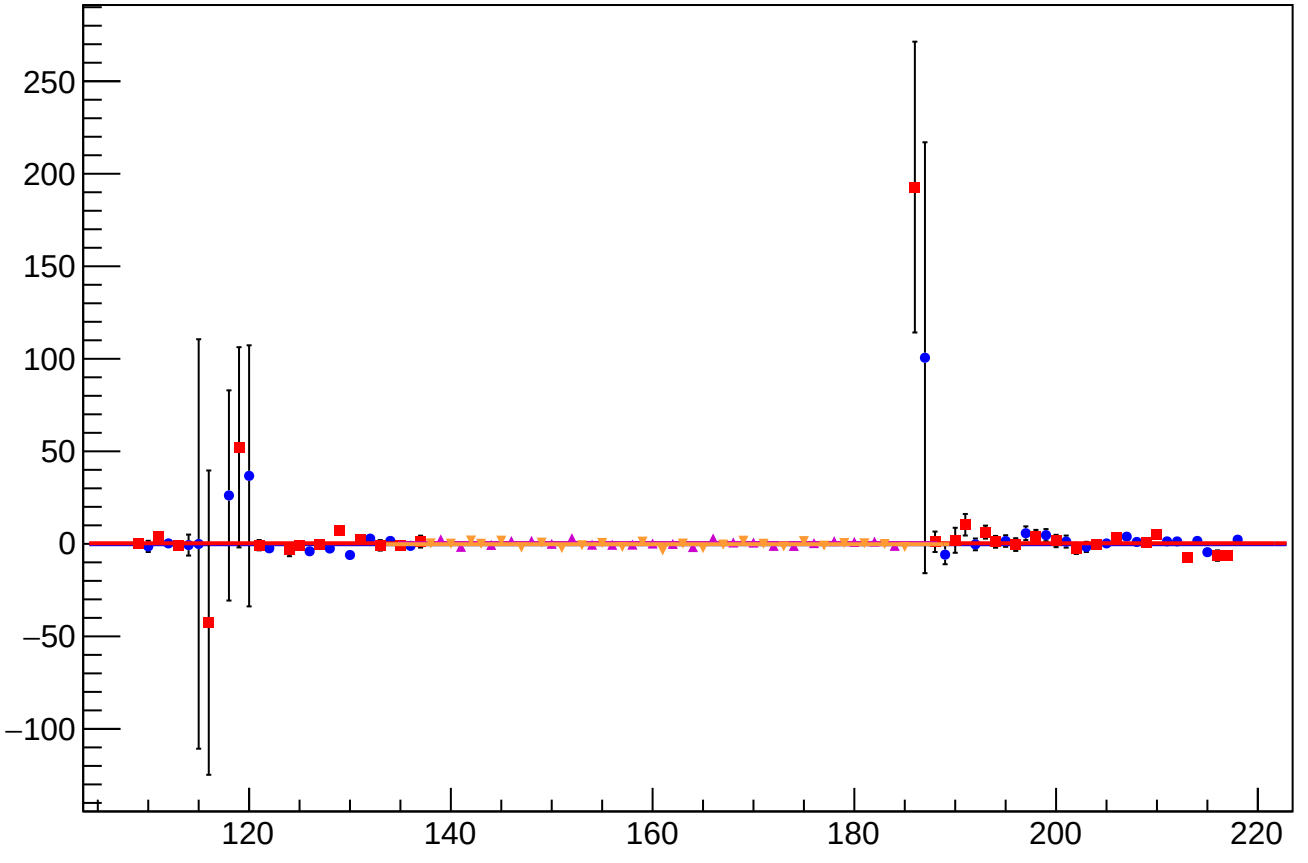
Left In: 4355.855+/-0.729 χ^2/NDF:743046.1/22

+ sign 3329.226+/-0.390 χ^2/NDF: 5226215.6/56

All: 3328.502+/-0.277 χ^2/NDF: 11300761.1/1

- sign 3327.762+/-0.394 χ^2/NDF: 6074538.5/58

diff_bpm1p02bX_mean vs Slug



Right In: -0.196+/-0.494 χ^2/NDF: 32.6/28

Left Out: -0.201+/-0.236 χ^2/NDF:33.9/24

Right Out: 0.321+/-0.507 χ^2/NDF: 57.3/30

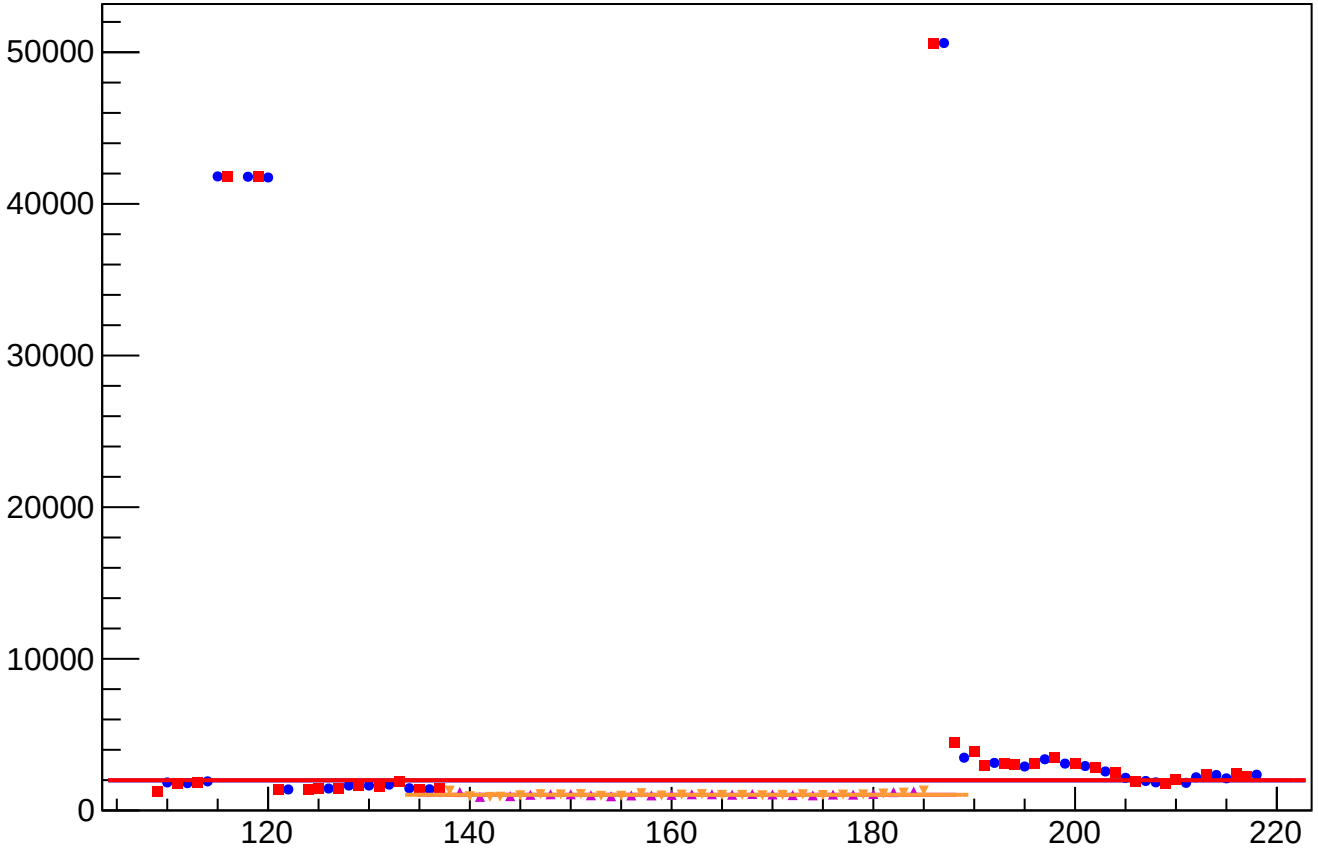
Left In: 0.333+/-0.242 χ^2/NDF:29.4/22

+ sign -0.200+/-0.213 χ^2/NDF: 66.5/53

All: 0.058+/-0.152 χ^2/NDF: 156.3/107

- sign 0.331+/-0.219 χ^2/NDF: 86.8/53

diff_bpm1p02bX_rms vs Slug



Right In: 1979.932+/-0.349 χ^2/NDF: 4525066.1/28

Left Out: 1031.473+/-0.167 χ^2/NDF:244095.3/24

Right Out: 1994.644+/-0.358 χ^2/NDF: 5493941.8/30

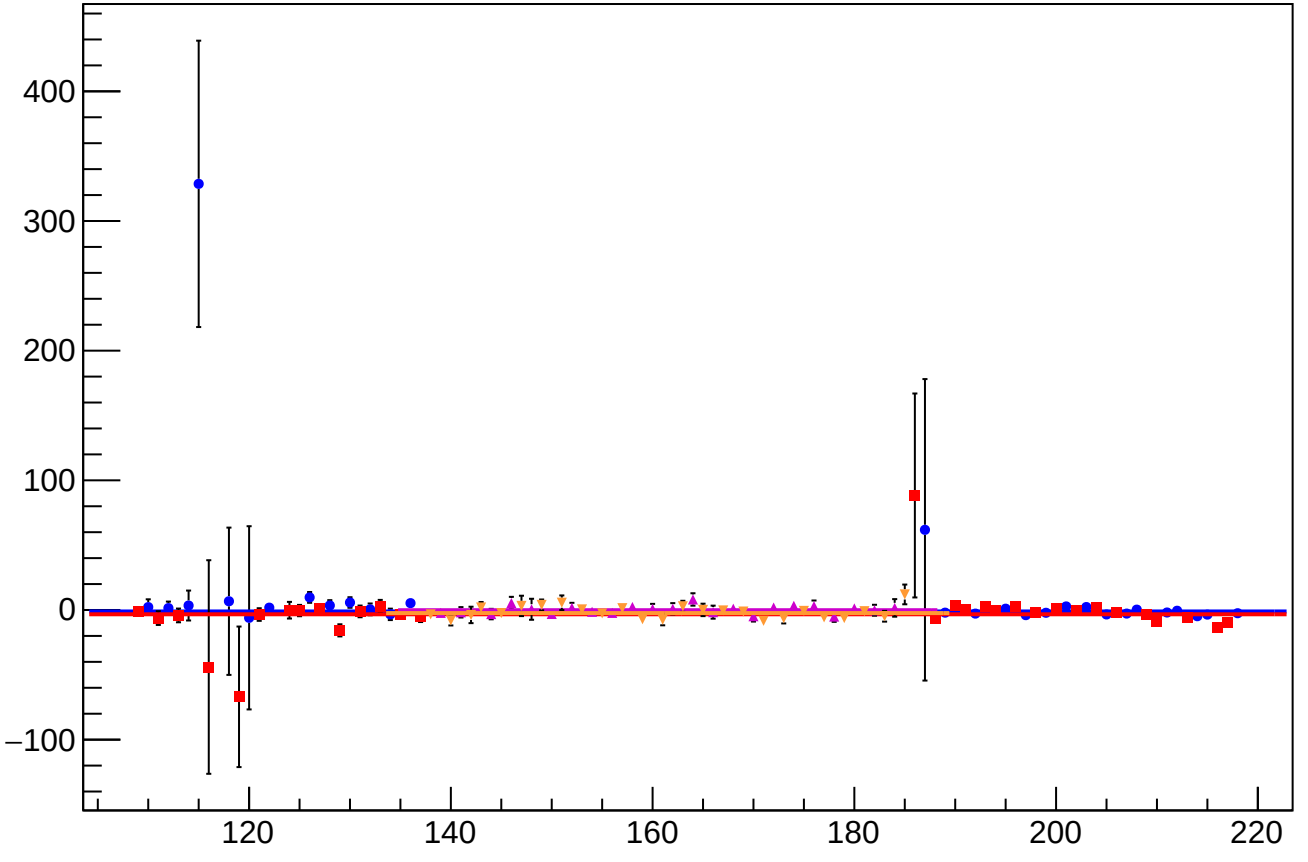
Left In: 1032.715+/-0.171 χ^2/NDF:187148.3/22

+ sign 1207.239+/-0.150 χ^2/NDF: 10780841.3/53

All: 1209.300+/-0.108 χ^2/NDF: 22327043.1/1

- sign 1211.479+/-0.155 χ^2/NDF: 11545814.9/53

diff_bpm1p02bY_mean vs Slug



Right In: -1.135+/-0.413 χ^2/NDF: 56.2/28

Left Out: -2.380+/-0.782 χ^2/NDF:24.3/24

Right Out: -3.311+/-0.436 χ^2/NDF: 125.6/30

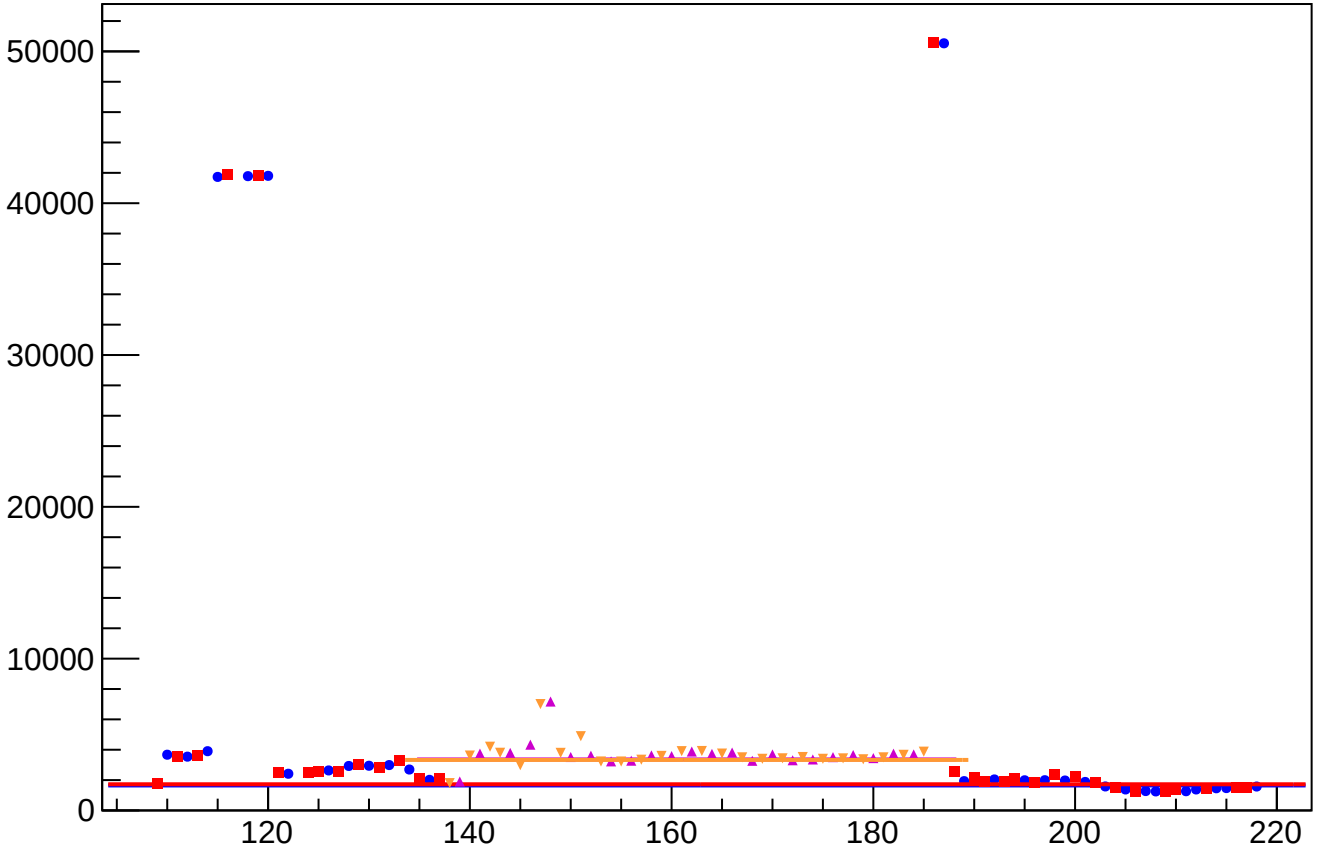
Left In: -0.171+/-0.810 χ^2/NDF:12.6/22

+ sign -1.406+/-0.365 χ^2/NDF: 82.5/53

All: -1.975+/-0.264 χ^2/NDF: 237.5/107

- sign -2.605+/-0.384 χ^2/NDF: 149.9/53

diff_bpm1p02bY_rms vs Slug



Right In: 1646.985+/-0.292 χ^2/NDF: 4692917.1/28

Left Out: 3328.251+/-0.553 χ^2/NDF:1915576.2/24

Right Out: 1724.850+/-0.308 χ^2/NDF: 4818865.8/30

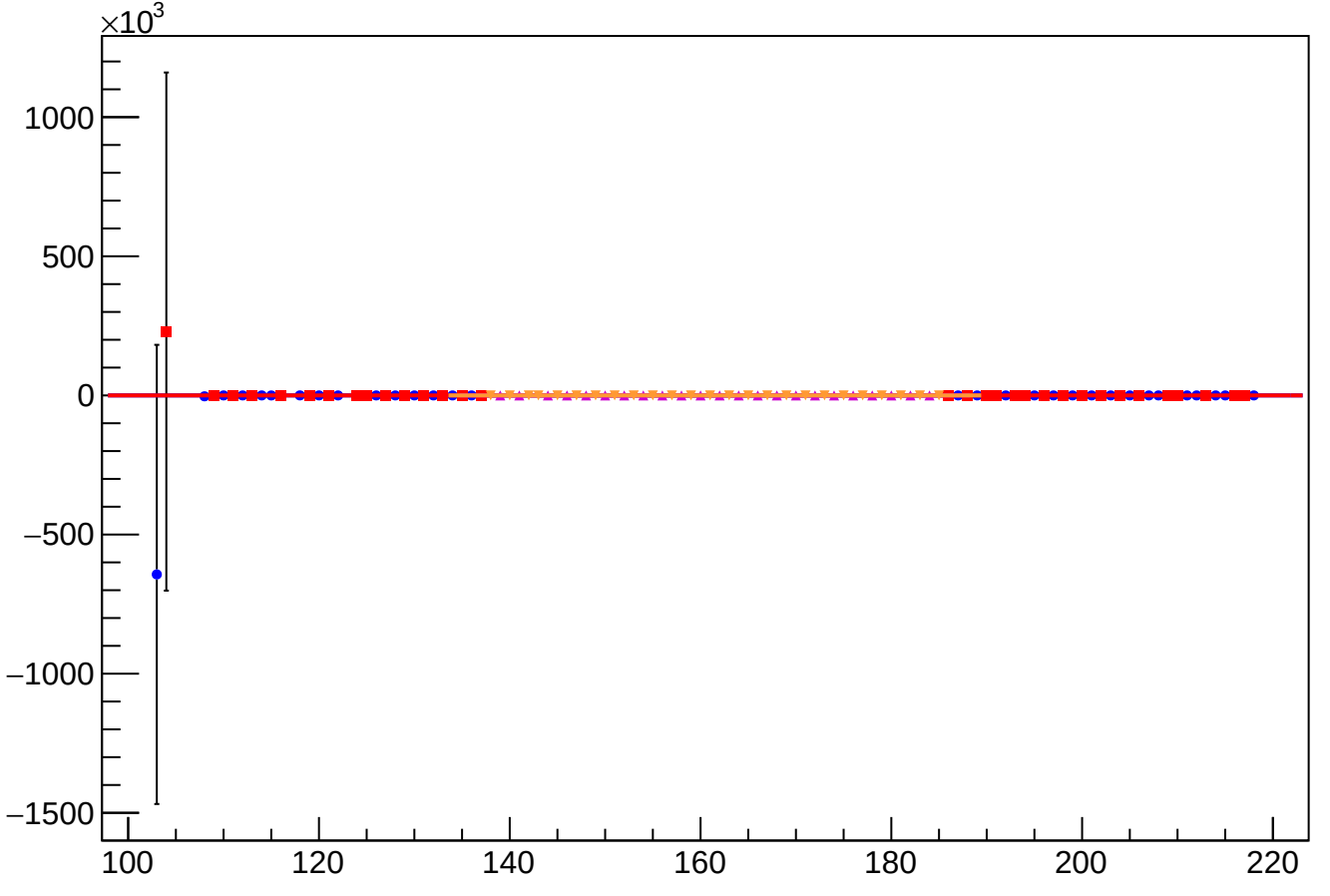
Left In: 3360.799+/-0.572 χ^2/NDF:1649390.5/22

+ sign 2012.917+/-0.258 χ^2/NDF: 13839290.7/53

All: 2050.803+/-0.187 χ^2/NDF: 26682675.1/1

- sign 2092.752+/-0.271 χ^2/NDF: 12797945.6/53

diff_bpm1p03aX_mean vs Slug



Right In: -2.365+/-0.523 χ^2/NDF: 44.8/30

Left Out: -1.573+/-0.363 χ^2/NDF:50.3/24

Right Out: -3.181+/-0.545 χ^2/NDF: 66.3/31

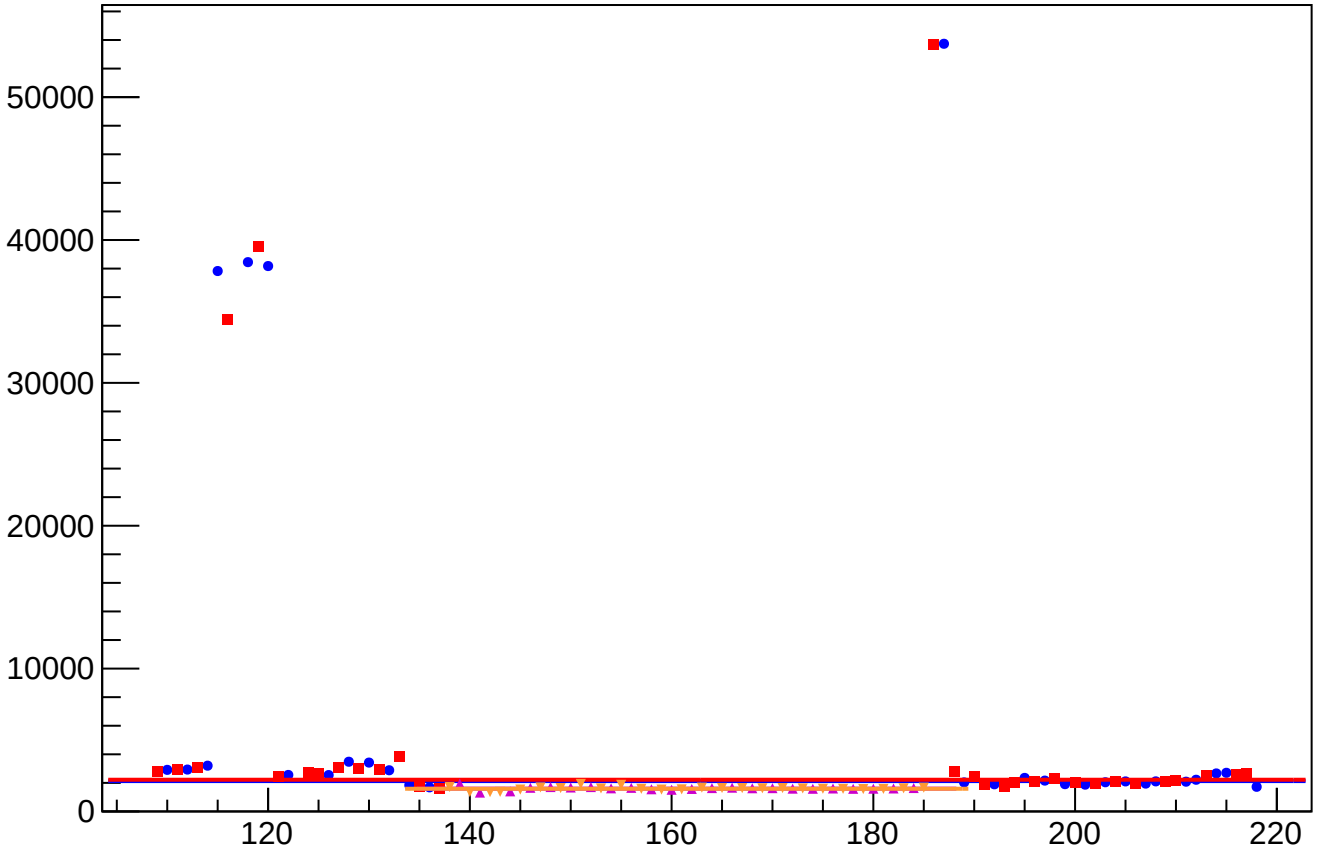
Left In: 0.018+/-0.374 χ^2/NDF:27.3/22

+ sign -1.830+/-0.298 χ^2/NDF: 96.7/55

All: -1.434+/-0.214 χ^2/NDF: 217.4/110

- sign -1.009+/-0.309 χ^2/NDF: 117.0/54

diff_bpm1p03aX_rms vs Slug



Right In: 2125.559+/-0.370 χ^2/NDF: 3229220.9/28

Left Out: 1589.488+/-0.257 χ^2/NDF:232518.0/24

Right Out: 2219.920+/-0.385 χ^2/NDF: 3370113.7/30

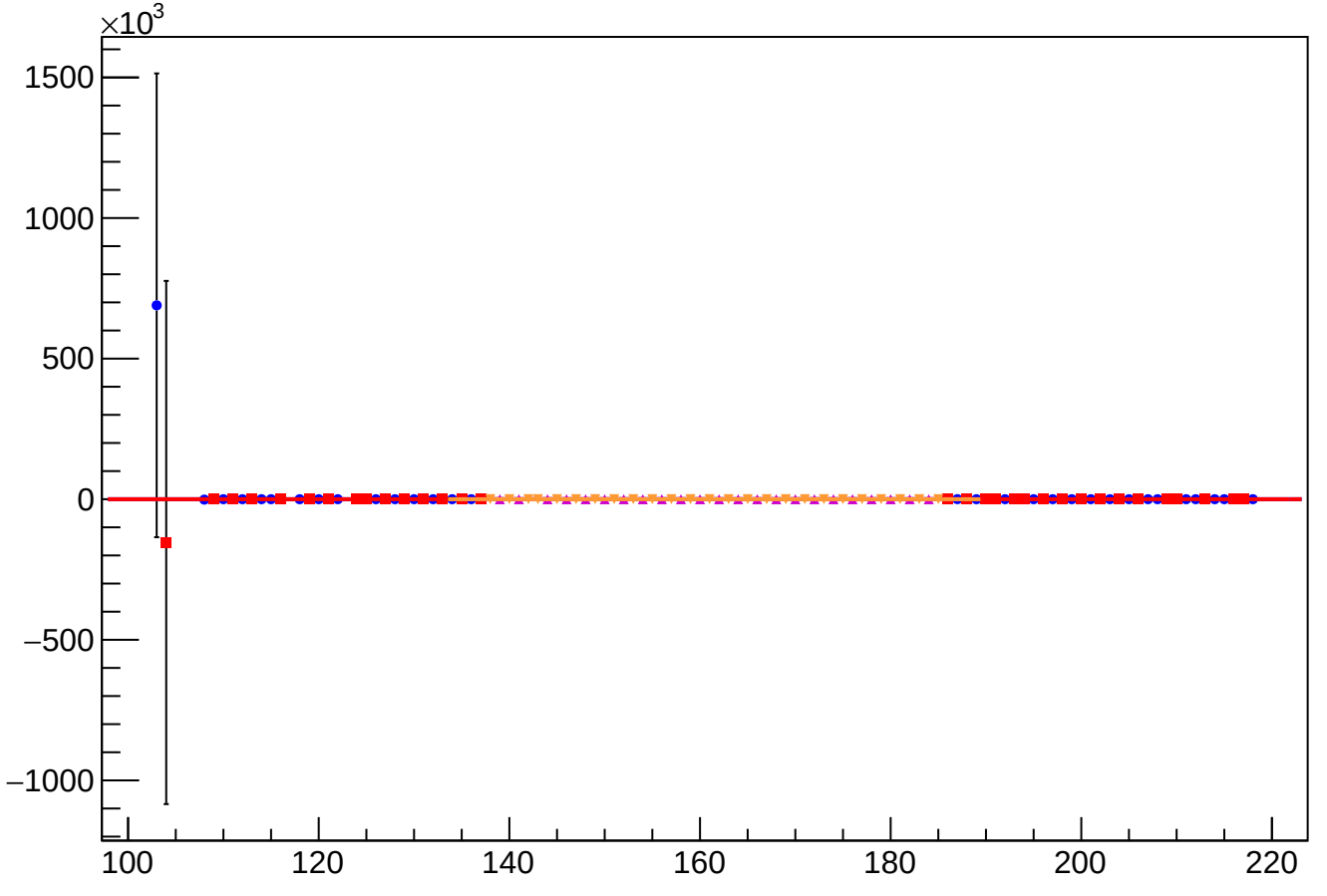
Left In: 1596.179+/-0.265 χ^2/NDF:196833.1/22

+ sign 1763.786+/-0.211 χ^2/NDF: 4880668.9/53

All: 1779.553+/-0.152 χ^2/NDF: 10240970.1/1

- sign 1796.441+/-0.218 χ^2/NDF: 5348714.9/53

diff_bpm1p03aY_mean vs Slug



Right In: -0.289+/-0.347 χ^2/NDF: 28.8/30

Left Out: -1.179+/-0.502 χ^2/NDF:24.4/24

Right Out: -1.536+/-0.358 χ^2/NDF: 61.1/31

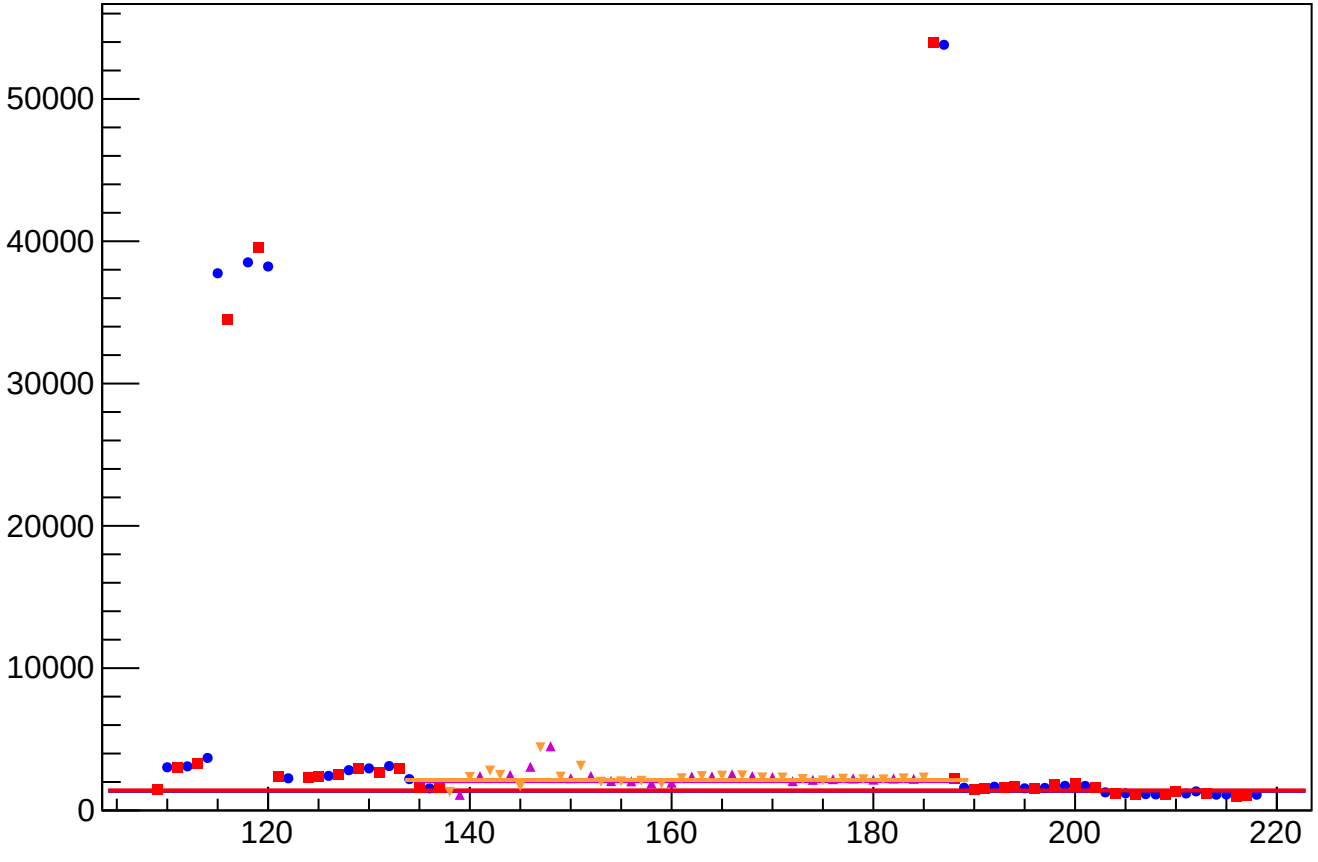
Left In: 0.125+/-0.501 χ^2/NDF:16.9/22

+ sign -0.576+/-0.285 χ^2/NDF: 55.3/55

All: -0.772+/-0.204 χ^2/NDF: 141.5/110

- sign -0.975+/-0.291 χ^2/NDF: 85.3/54

diff_bpm1p03aY_rms vs Slug



Right In: 1378.279+/-0.245 χ^2/NDF: 4946408.7/28

Left Out: 2139.248+/-0.355 χ^2/NDF:1480000.5/24

Right Out: 1404.743+/-0.253 χ^2/NDF: 5306264.9/30

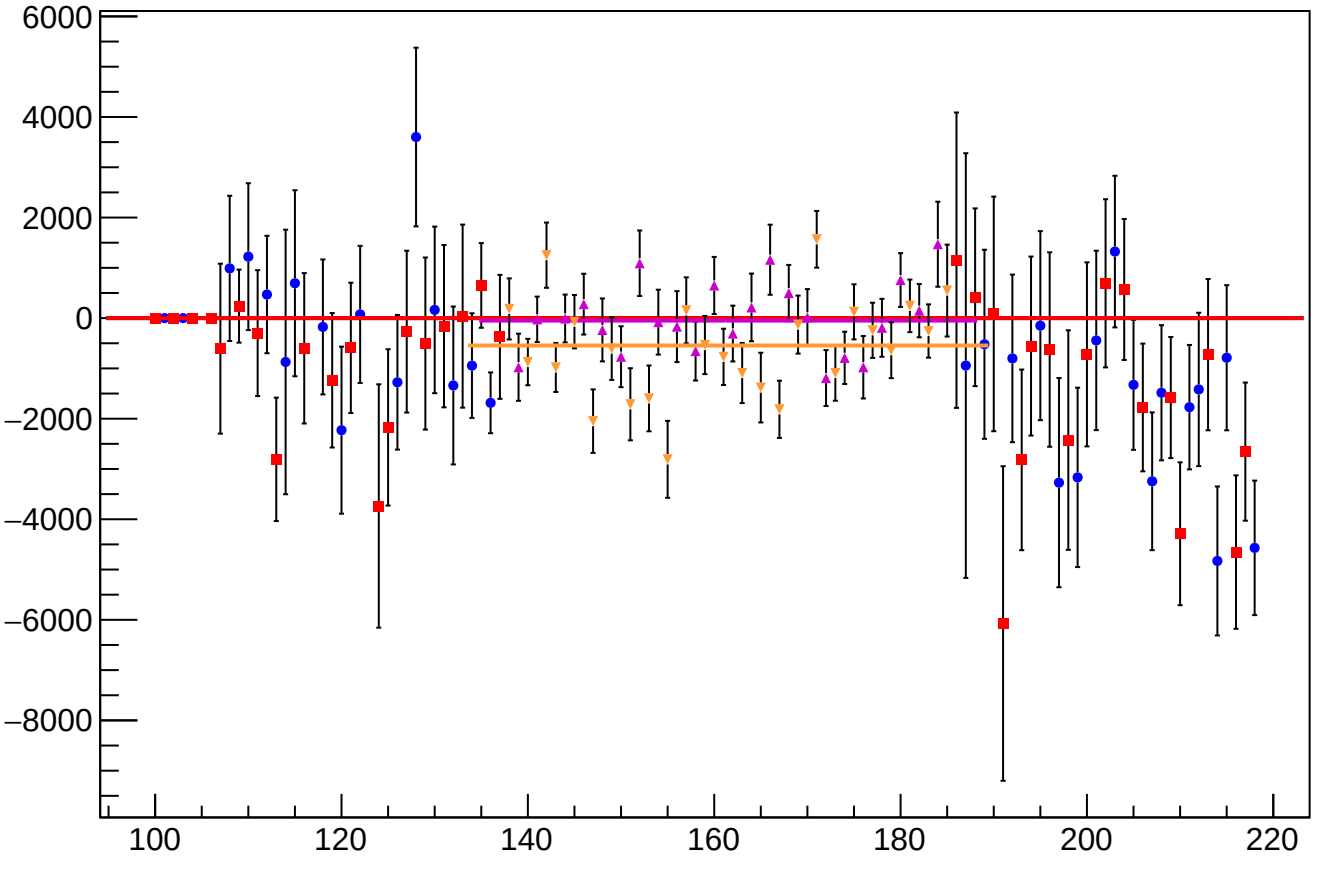
Left In: 2058.216+/-0.354 χ^2/NDF:2293601.6/22

+ sign 1623.702+/-0.202 χ^2/NDF: 9534172.6/53

All: 1624.540+/-0.144 χ^2/NDF: 19385418.6/1

- sign 1625.413+/-0.206 χ^2/NDF: 9851210.8/53

diff_cav4bX_mean vs Slug



Right In: 0.254+/-0.356 χ^2/NDF: 58.0/31

Left Out: -544.414+/-117.154 χ^2/NDF:60.9/24

Right Out: 0.095+/-0.328 χ^2/NDF: 49.8/35

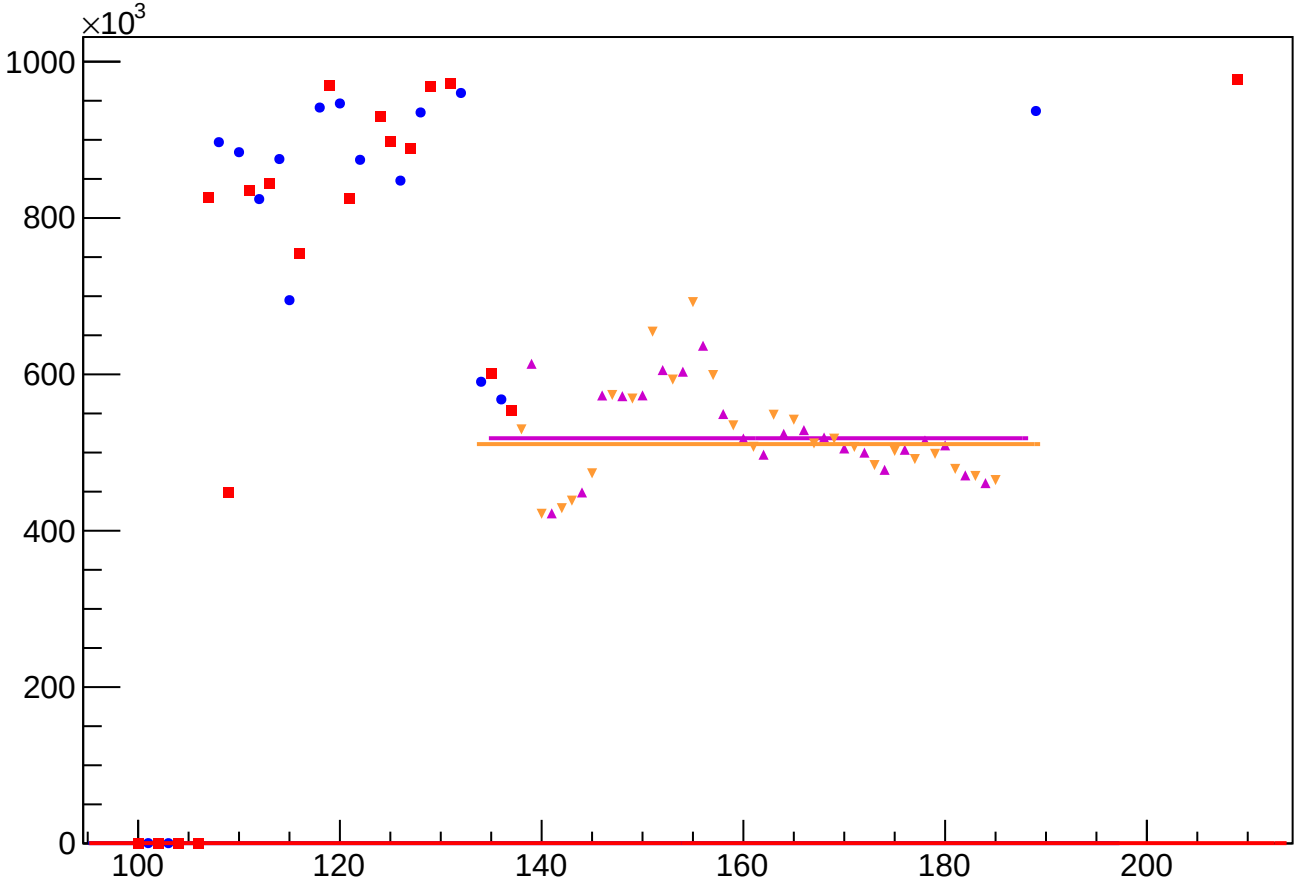
Left In: -49.119+/-121.932 χ^2/NDF:28.0/22

+ sign 0.249+/-0.356 χ^2/NDF: 140.4/56

All: 0.165+/-0.241 χ^2/NDF: 218.5/115

- sign 0.094+/-0.328 χ^2/NDF: 78.0/58

diff_cav4bX_rms vs Slug



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: 393.242+/-0.232 χ^2/NDF: 7684547.6/18

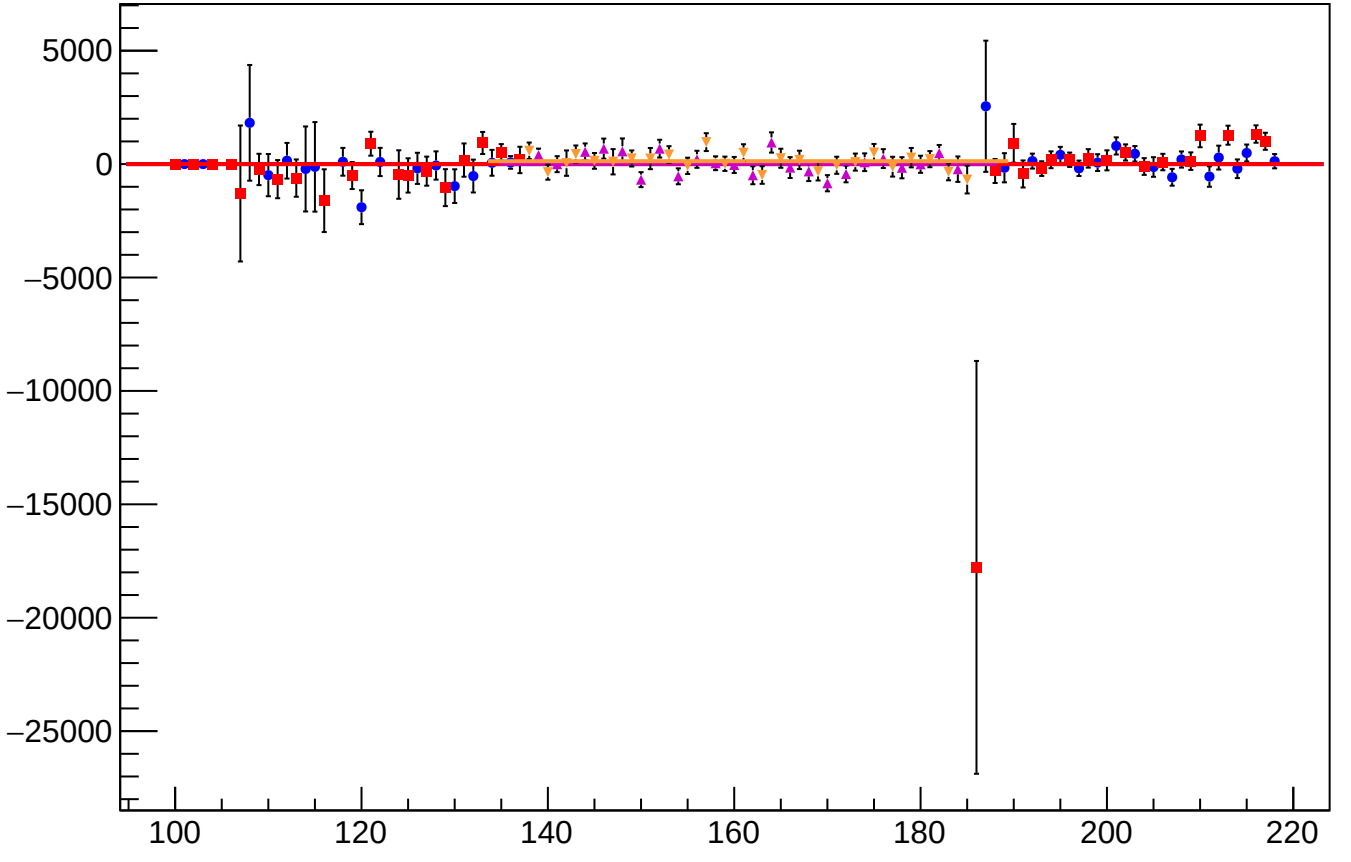
Left In: 518313.411+/-86.219 χ^2/NDF:399884.6/22

+ sign 403.598+/-0.251 χ^2/NDF: 47157011.5/40

All: 400.022+/-0.170 χ^2/NDF: 91325731.6/82

- sign 396.985+/-0.232 χ^2/NDF: 44168346.1/41

diff_cav4bY_mean vs Slug



Right In: -0.019+/-0.347 χ^2/NDF: 26.1/31

Left Out: 128.971+/-78.249 χ^2/NDF:20.1/24

Right Out: 0.602+/-0.324 χ^2/NDF: 59.2/35

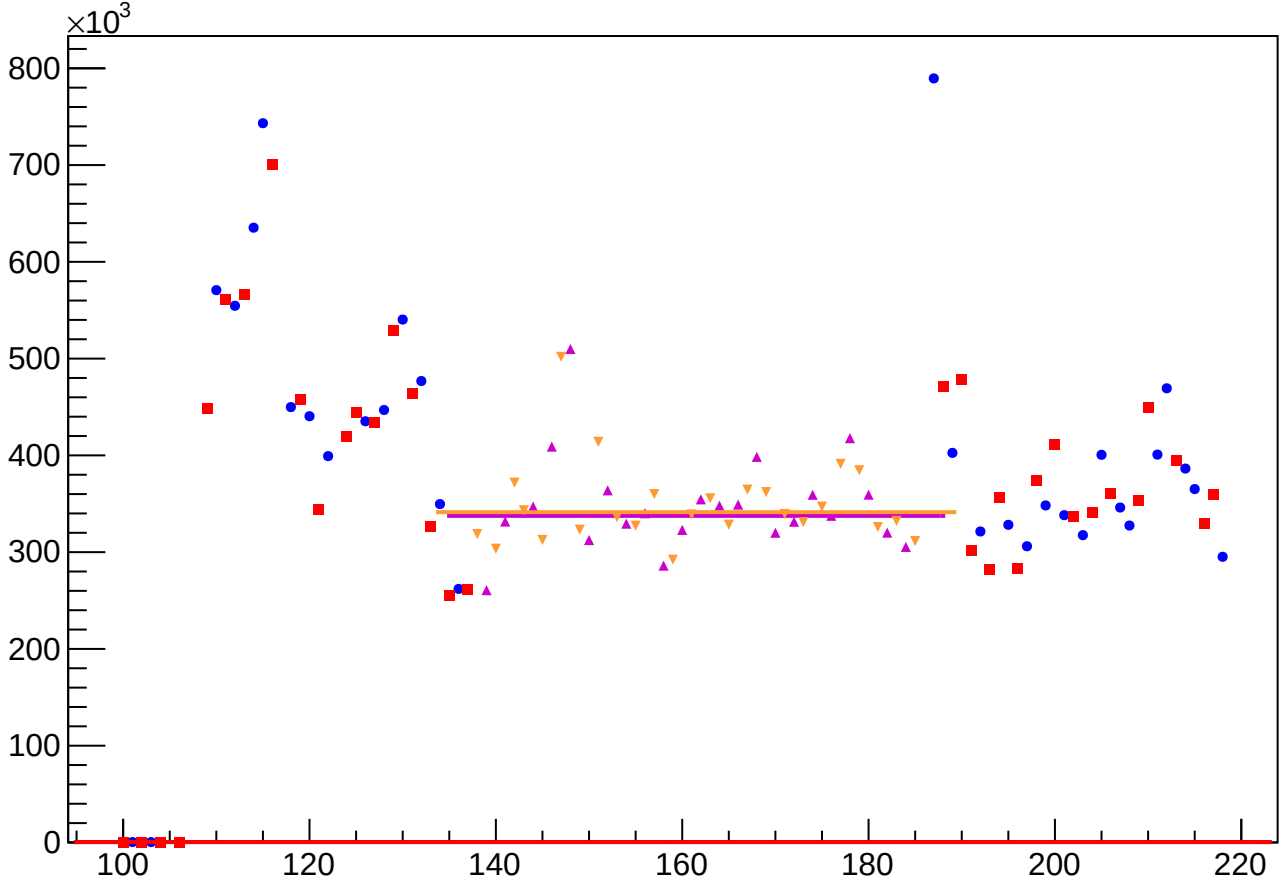
Left In: 19.324+/-79.767 χ^2/NDF:33.7/22

\+ sign -0.017+/-0.347 χ^2/NDF: 49.0/56

All: 0.315+/-0.237 χ^2/NDF: 143.6/115

\- sign 0.603+/-0.324 χ^2/NDF: 92.9/58

diff_cav4bY_rms vs Slug



Right In: 394.560+/-0.245 χ^2/NDF: 35959791.7/30

Left Out: 341327.149+/-55.330 χ^2/NDF:403173.8/24

Right Out: 391.618+/-0.229 χ^2/NDF: 35917907.9/33

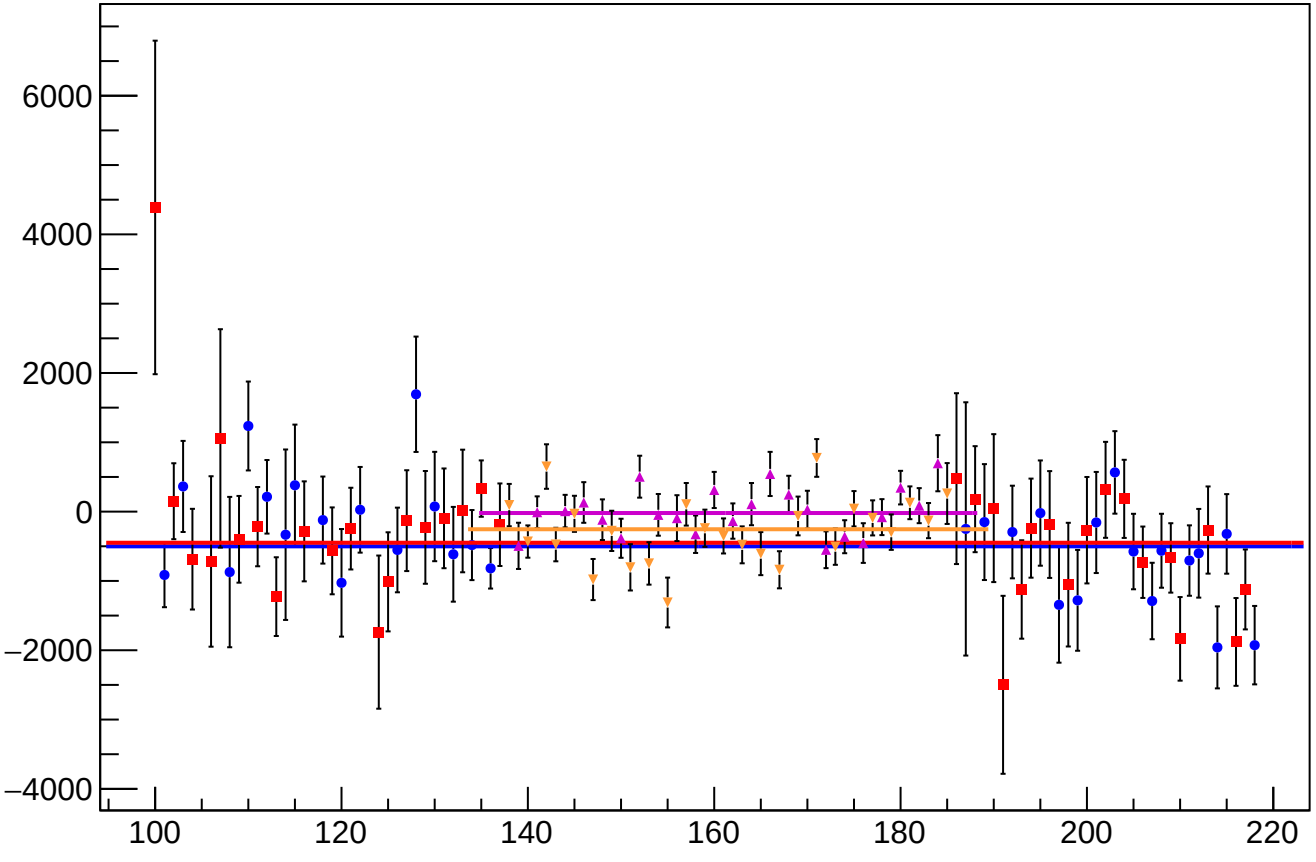
Left In: 337505.654+/-56.407 χ^2/NDF:600776.4/22

+ sign 401.269+/-0.245 χ^2/NDF: 74329748.0/55

All: 399.078+/-0.167 χ^2/NDF: 146566228.8/1

- sign 397.173+/-0.229 χ^2/NDF: 72236331.9/56

diff_cav4cX_mean vs Slug



Right In: -500.995+/-108.280 χ^2/NDF: 44.1/31

Left Out: -254.371+/-55.417 χ^2/NDF:61.3/24

Right Out: -449.059+/-113.964 χ^2/NDF: 35.6/35

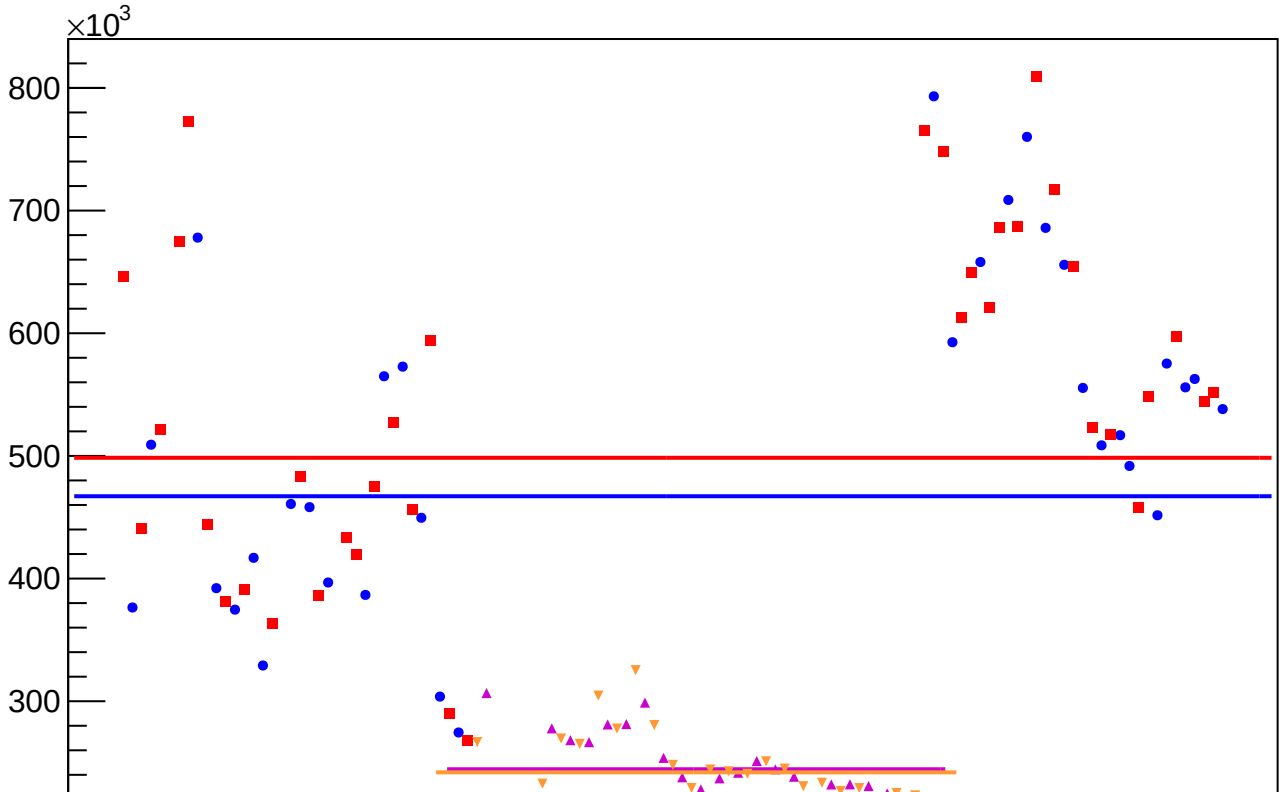
Left In: -20.176+/-57.484 χ^2/NDF:28.6/22

+ sign -305.562+/-49.332 χ^2/NDF: 109.5/56

All: -210.288+/-35.566 χ^2/NDF: 192.8/115

- sign -107.162+/-51.324 χ^2/NDF: 75.5/58

diff_cav4cX_rms vs Slug



Right In: 467122.270+/-76.577 χ^2/NDF: 2805870.1/31

Left Out: 242008.749+/-39.186 χ^2/NDF:413236.1/24

Right Out: 498462.068+/-80.661 χ^2/NDF: 2612146.3/35

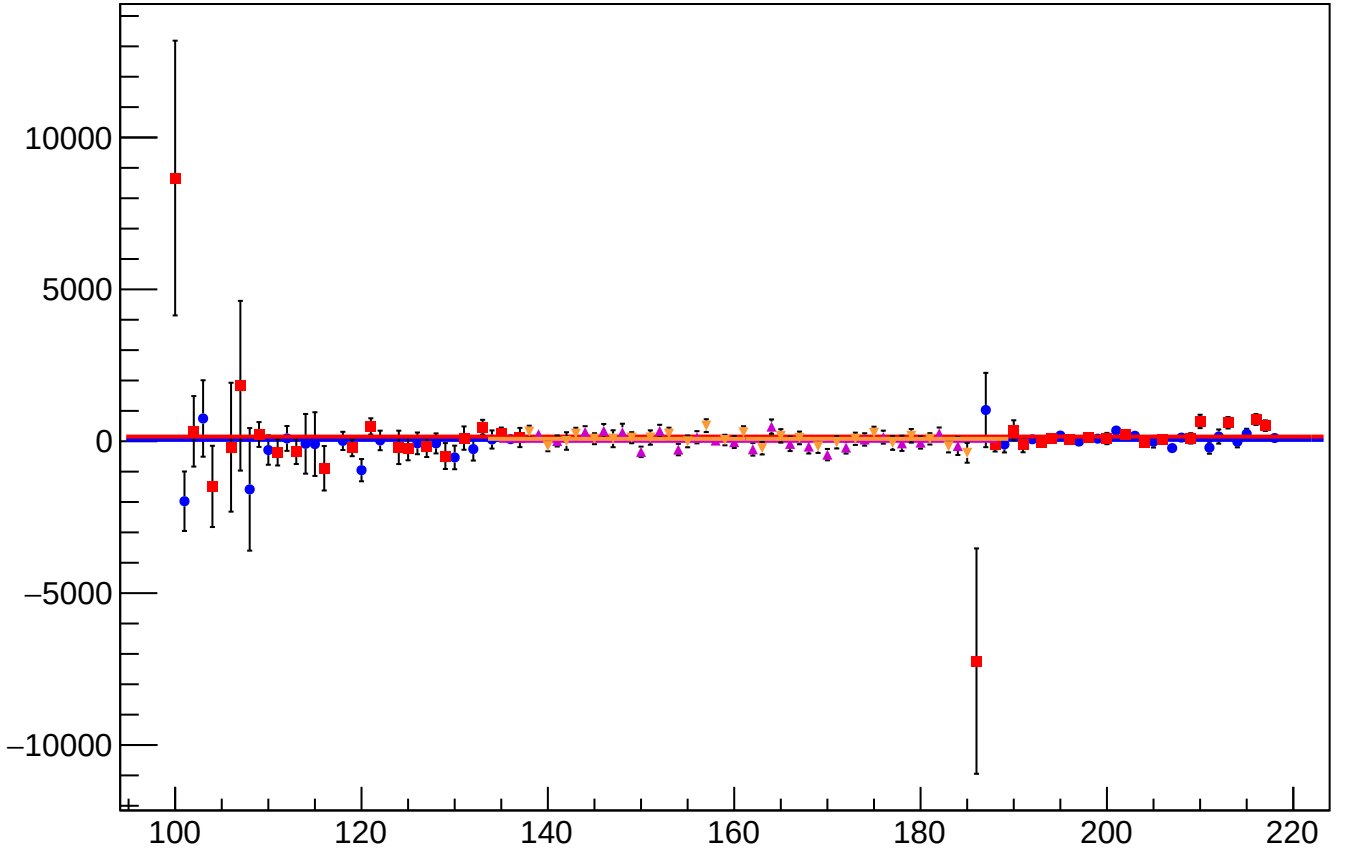
Left In: 244542.686+/-40.647 χ^2/NDF:361527.4/22

+ sign 288723.560+/-34.884 χ^2/NDF: 10067562.1/5

All: 292200.524+/-25.152 χ^2/NDF: 2096485

- sign 295965.225+/-36.299 χ^2/NDF: 10876597.9/5

diff_cav4cY_mean vs Slug



Right In: 45.439+/-37.944 χ^2/NDF: 29.7/31

Left Out: 79.495+/-41.301 χ^2/NDF:19.7/24

Right Out: 153.415+/-38.409 χ^2/NDF: 57.2/35

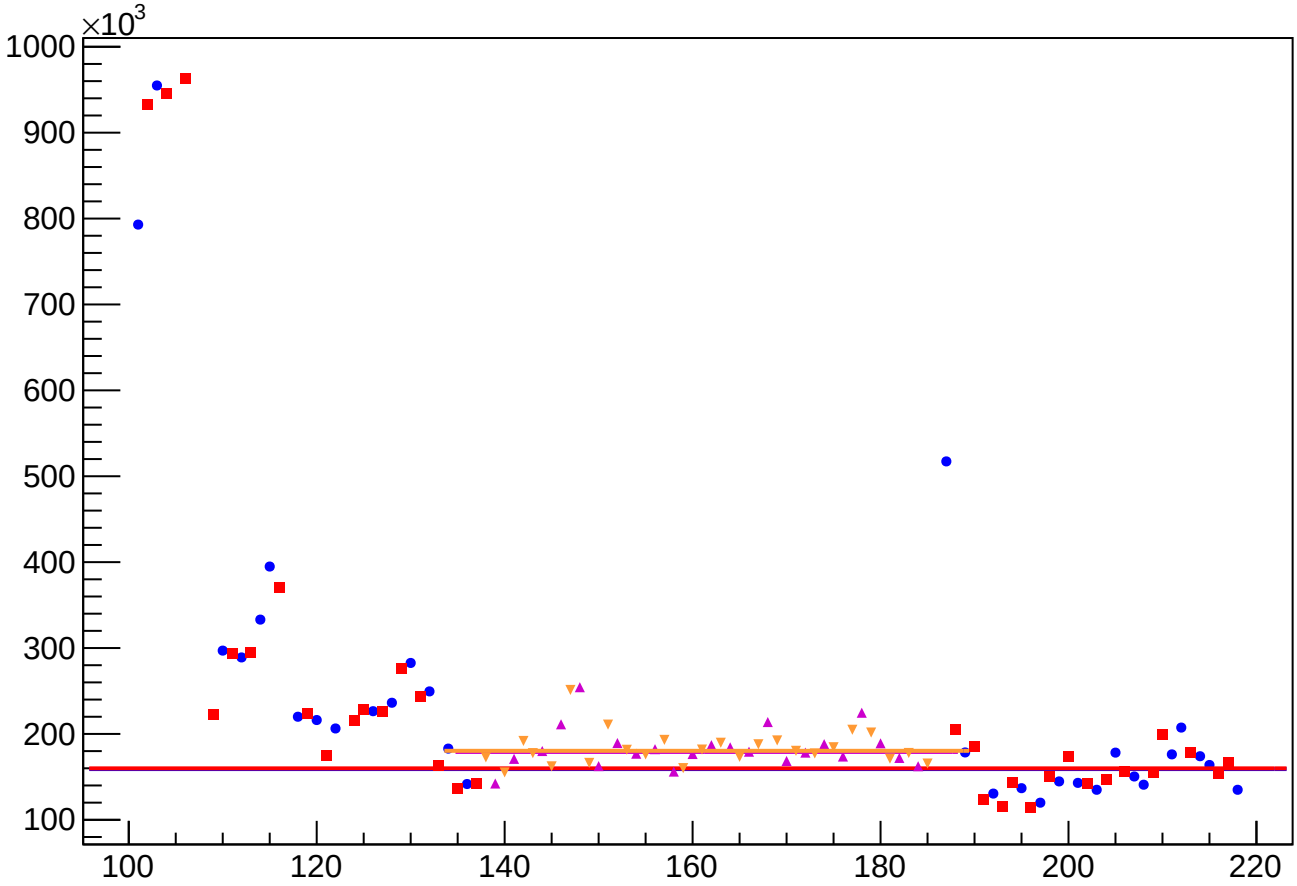
Left In: 14.032+/-42.233 χ^2/NDF:33.2/22

+ sign 61.027+/-27.942 χ^2/NDF: 49.8/56

All: 75.427+/-19.923 χ^2/NDF: 146.7/115

- sign 90.318+/-28.415 χ^2/NDF: 96.3/58

diff_cav4cY_rms vs Slug



Right In: 159102.043+/-26.839 χ^2/NDF: 3429998.1/30

Left Out: 180342.867+/-29.204 χ^2/NDF:346596.9/24

Right Out: 159908.136+/-27.174 χ^2/NDF: 3365265.7/32

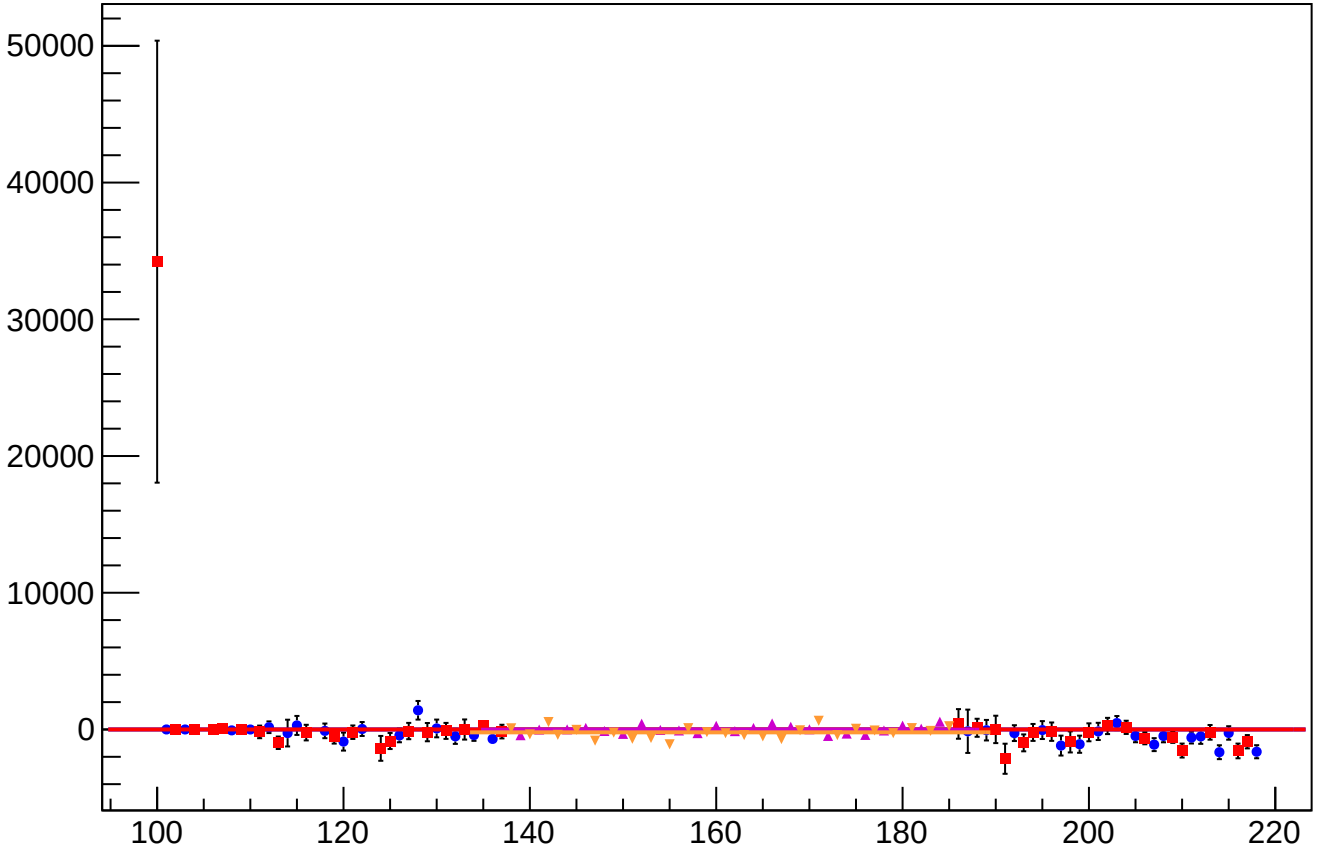
Left In: 179024.195+/-29.863 χ^2/NDF:501400.7/22

+ sign 168827.727+/-19.761 χ^2/NDF: 4063380.1/55

All: 168699.450+/-14.091 χ^2/NDF: 8154285.5

- sign 168566.757+/-20.099 χ^2/NDF: 4090819.6/55

diff_cav4dX_mean vs Slug



Right In: -0.036+/-0.172 χ^2/NDF: 57.7/31

Left Out: -210.198+/-46.290 χ^2/NDF:61.2/24

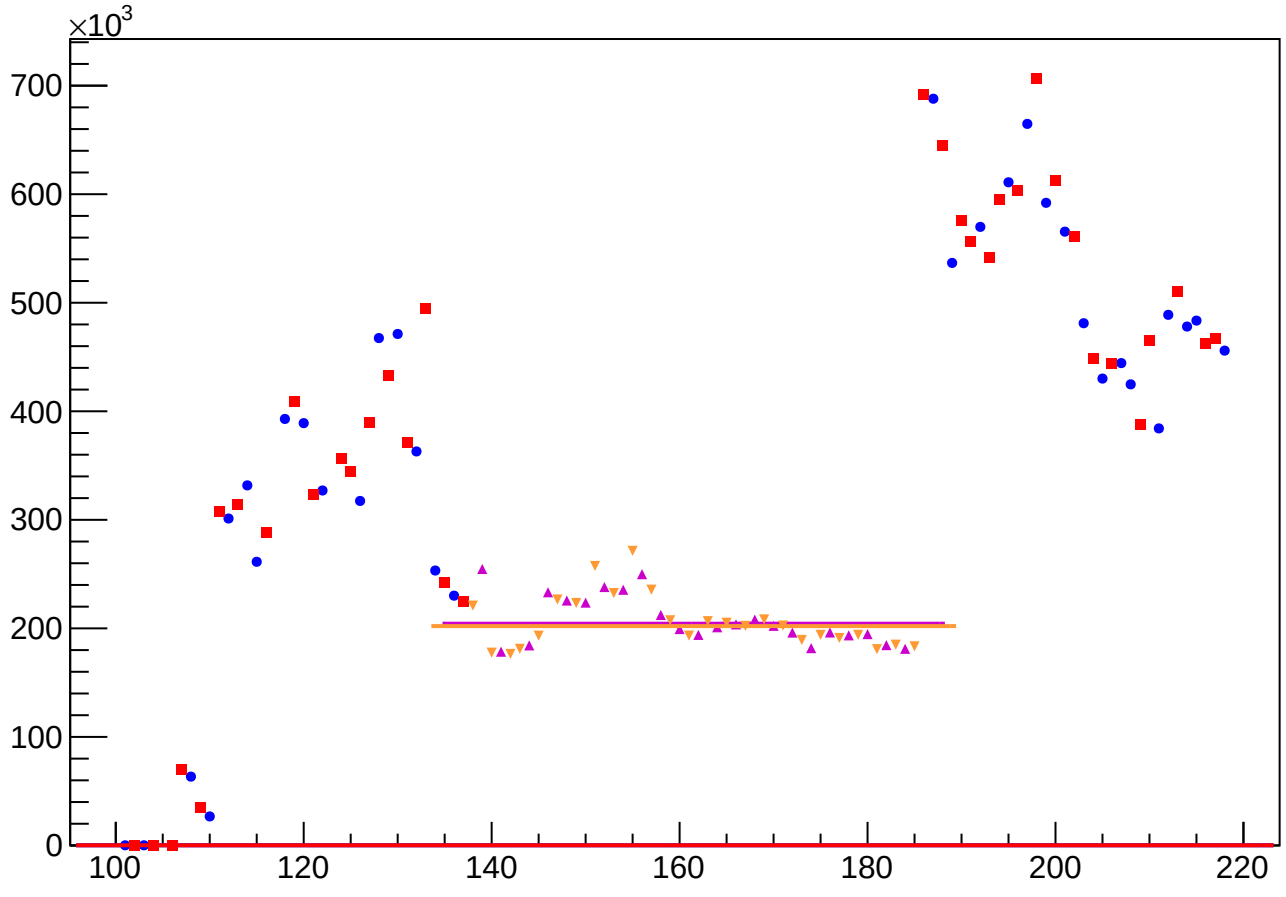
Right Out: -0.356+/-0.160 χ^2/NDF: 49.9/35

Left In: -21.095+/-48.037 χ^2/NDF:28.6/22

+ sign -0.039+/-0.172 χ^2/NDF: 139.5/56

All: -0.209+/-0.117 χ^2/NDF: 220.0/115

- sign -0.356+/-0.160 χ^2/NDF: 78.6/58



Right In: 149.860+/-0.122 χ^2/NDF: 37069837.3/31

Left Out: 202085.802+/-32.732 χ^2/NDF:434069.3/24

Right Out: 150.021+/-0.113 χ^2/NDF: 37556350.8/34

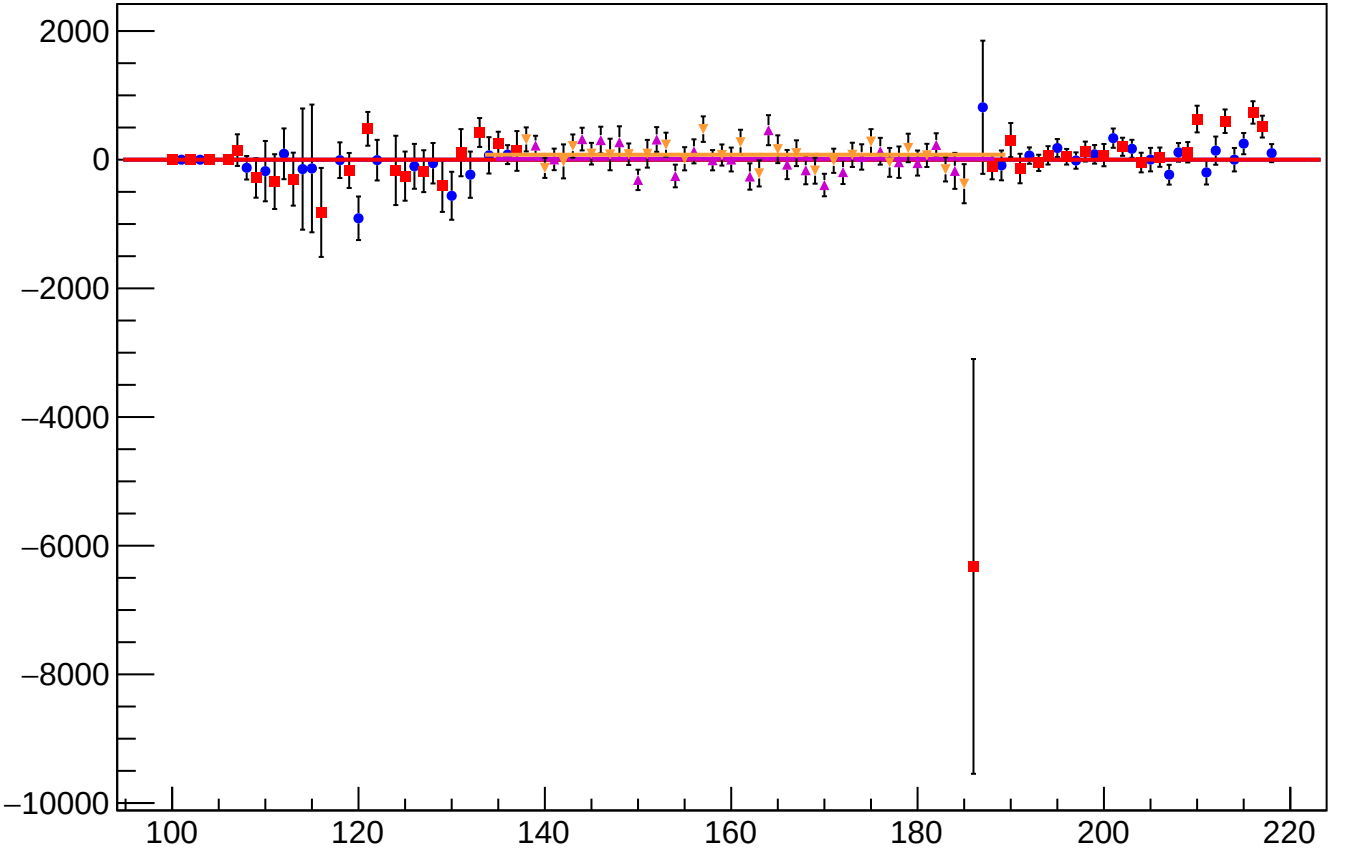
Left In: 204310.238+/-33.967 χ^2/NDF:377332.3/22

+ sign 152.656+/-0.122 χ^2/NDF: 75565421.5/56

All: 152.460+/-0.083 χ^2/NDF: 149624331.3/1

- sign 152.290+/-0.113 χ^2/NDF: 74058905.0/57

diff_cav4dY_mean vs Slug



Right In: -0.067+/-0.177 χ^2/NDF: 28.0/31

Left Out: 77.572+/-38.921 χ^2/NDF:19.1/24

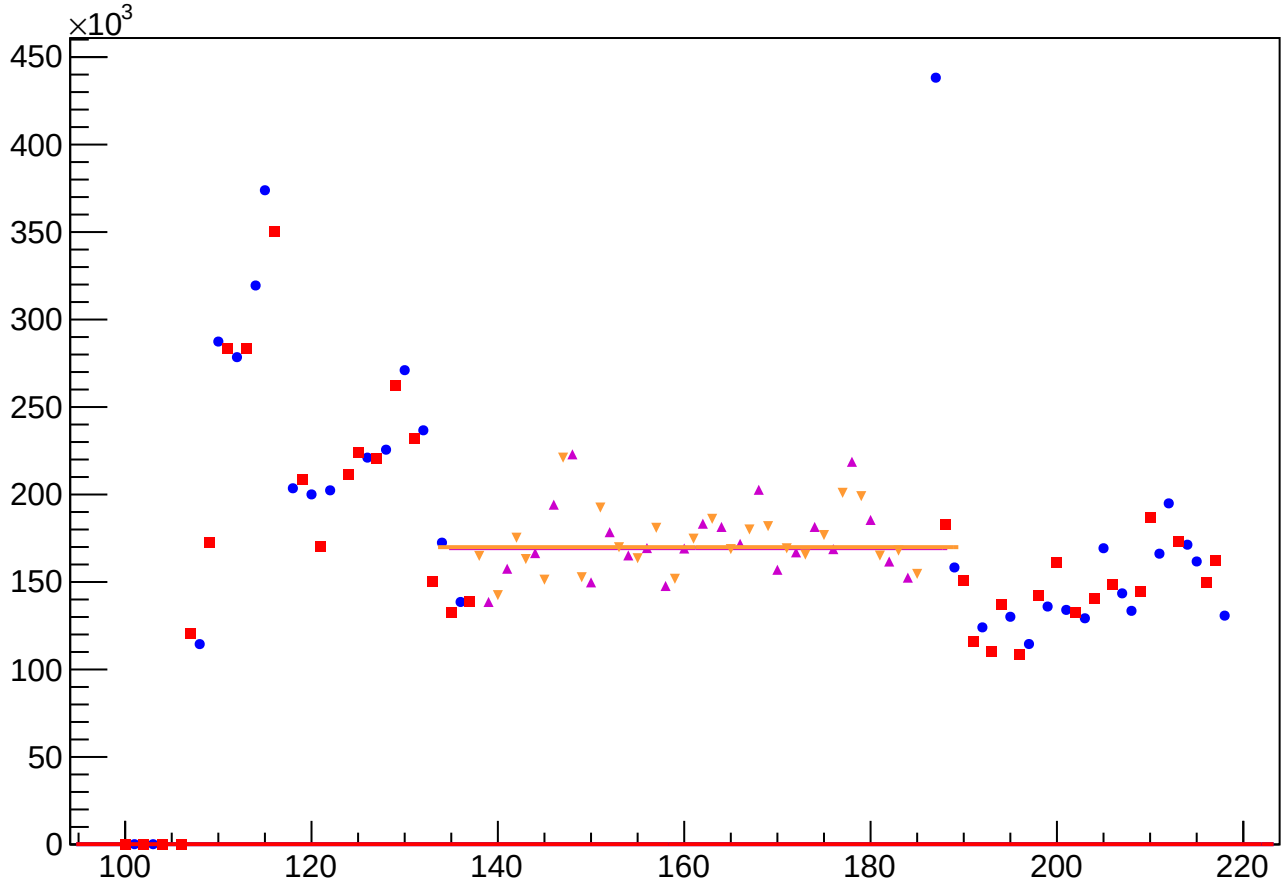
Right Out: 0.129+/-0.166 χ^2/NDF: 72.1/35

Left In: 13.457+/-39.929 χ^2/NDF:32.7/22

\+ sign -0.065+/-0.177 χ^2/NDF: 51.1/56

All: 0.038+/-0.121 χ^2/NDF: 156.6/115

\- sign 0.129+/-0.166 χ^2/NDF: 104.9/58



Right In: 156.218+/-0.125 χ^2/NDF: 37219930.9/31

Left Out: 169916.225+/-27.521 χ^2/NDF:363966.0/24

Right Out: 158.557+/-0.118 χ^2/NDF: 36411188.2/34

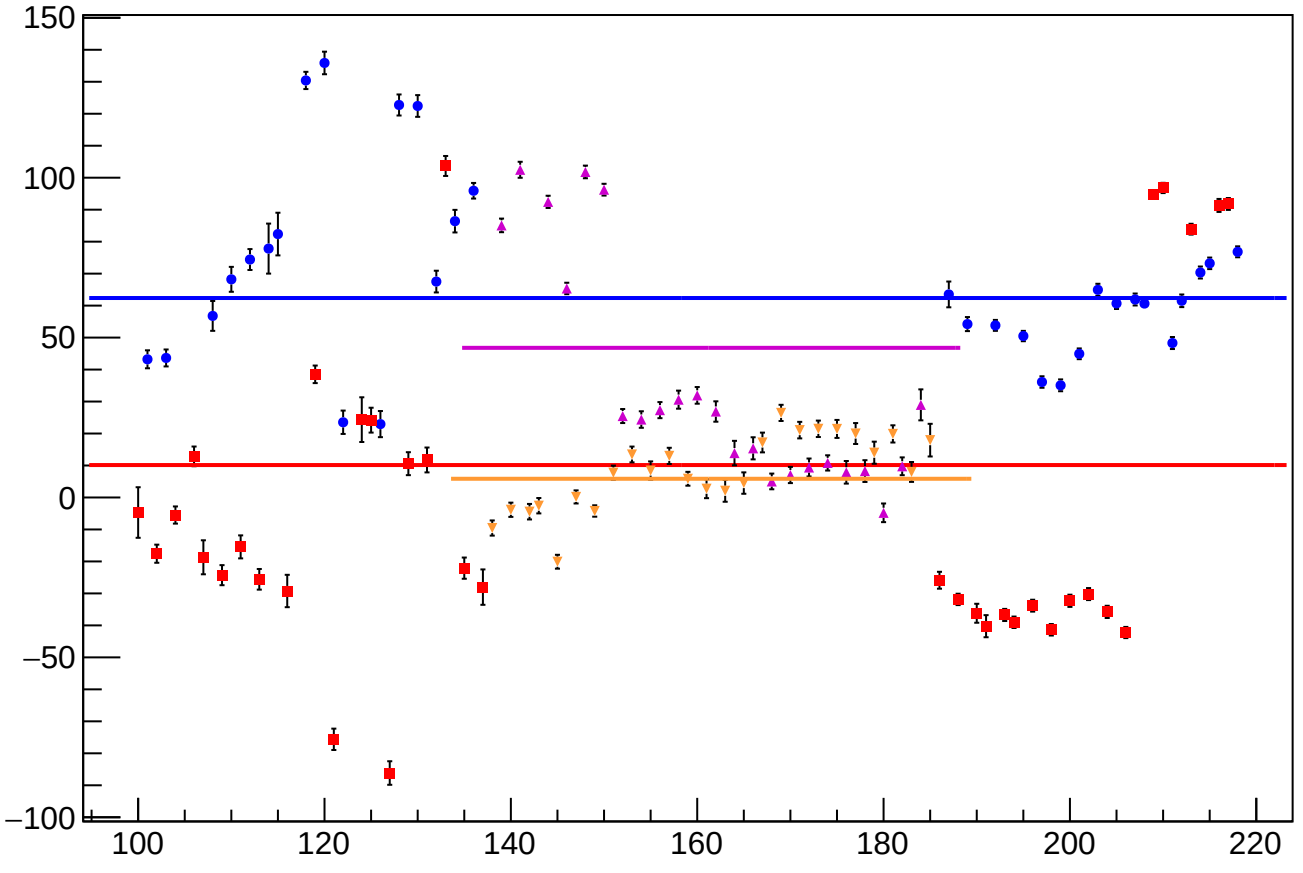
Left In: 169352.083+/-28.234 χ^2/NDF:474852.1/22

+ sign 159.738+/-0.125 χ^2/NDF: 75630823.5/56

All: 160.673+/-0.086 χ^2/NDF: 148426112.0/1

- sign 161.499+/-0.118 χ^2/NDF: 72795183.7/57

diff_bpm0i01X_mean vs Slug



Right In: 62.374+/-0.405 χ^2/NDF: 3106.0/31

Left Out: 5.852+/-0.514 χ^2/NDF:535.3/24

Right Out: 10.140+/-0.394 χ^2/NDF: 22507.0/35

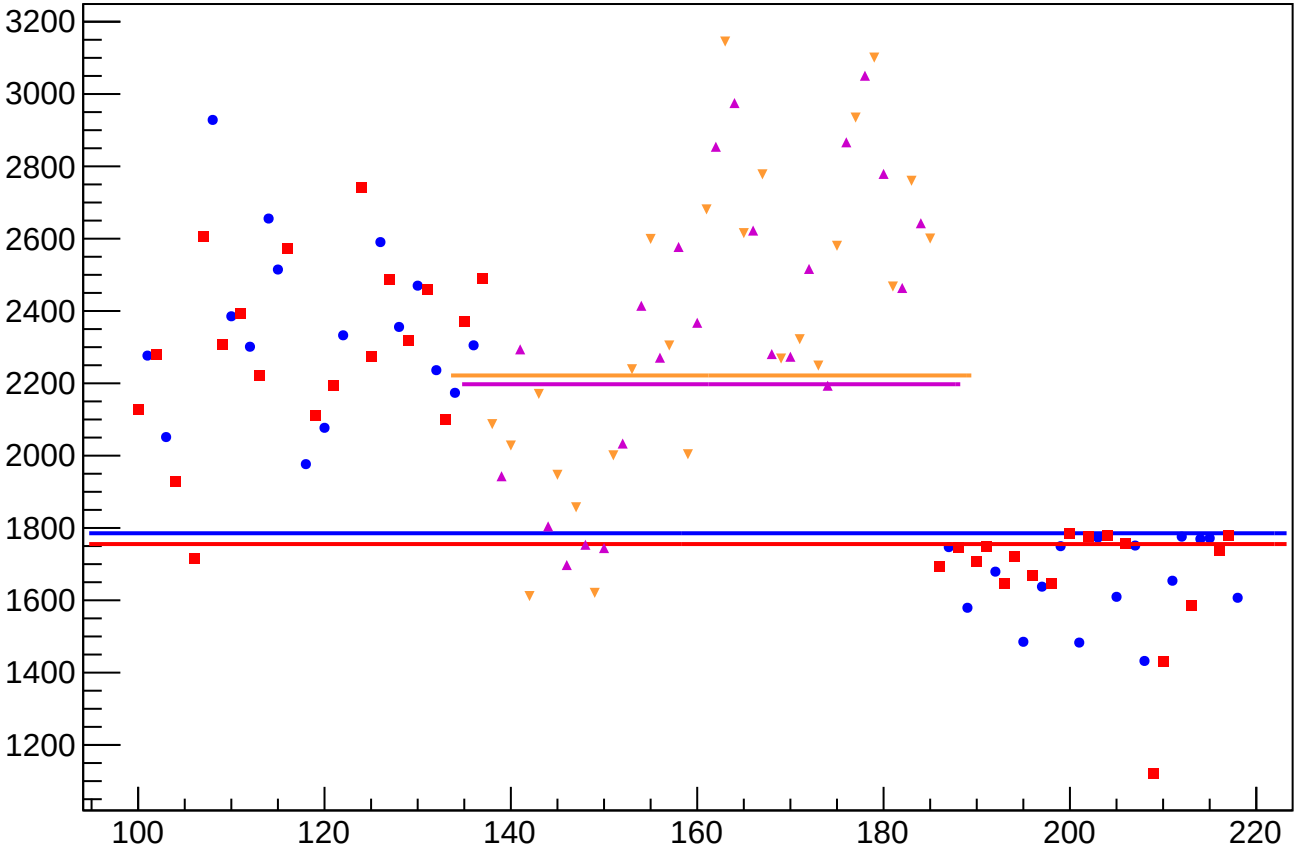
Left In: 46.796+/-0.524 χ^2/NDF:5175.4/22

\+ sign 40.707+/-0.318 χ^2/NDF: 11098.8/56

All: 31.962+/-0.224 χ^2/NDF: 43397.2/115

\- sign 23.382+/-0.315 χ^2/NDF: 30802.4/58

diff_bpm0i01X_rms vs Slug



Right In: 1785.406+/-0.287 χ^2/NDF: 1110079.3/31

Left Out: 2221.771+/-0.363 χ^2/NDF:1184043.2/24

Right Out: 1755.522+/-0.279 χ^2/NDF: 1477834.6/35

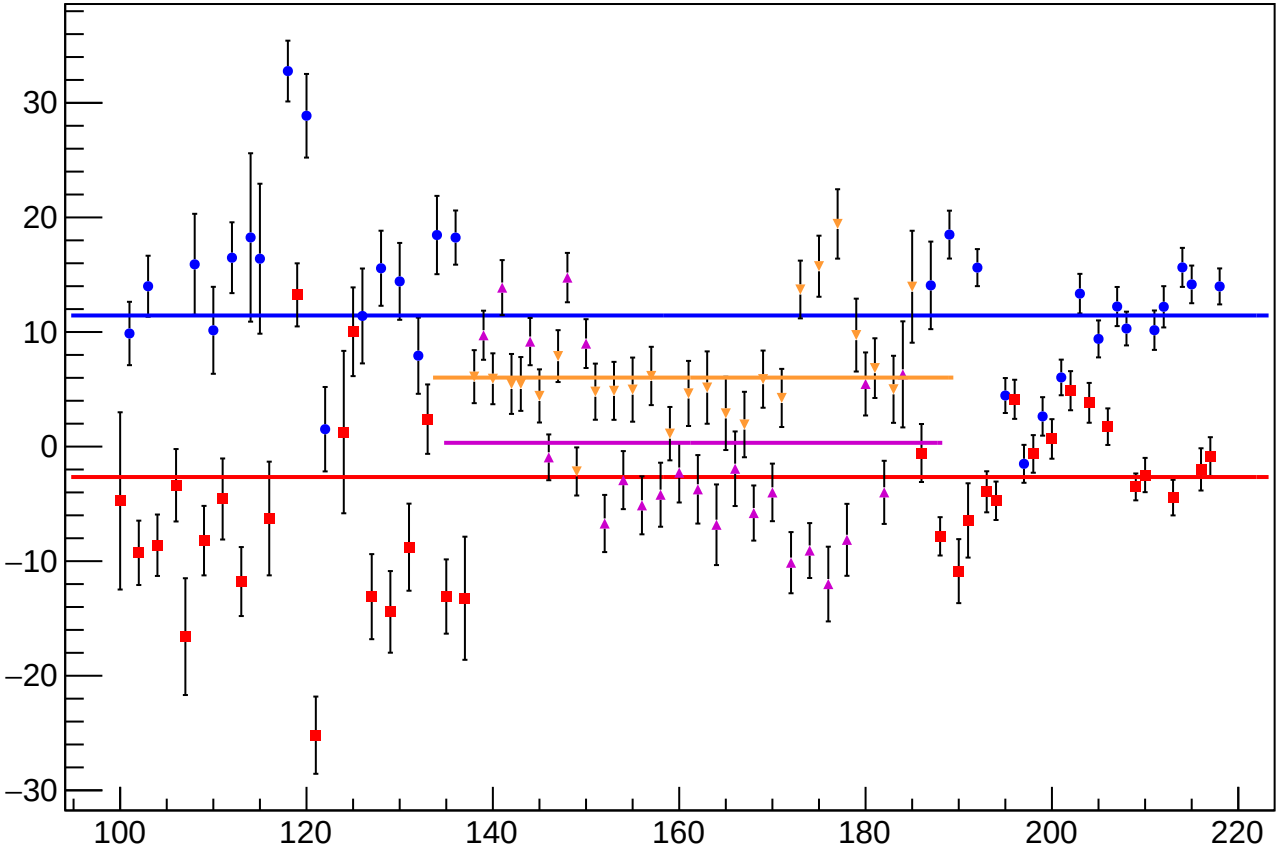
Left In: 2197.471+/-0.371 χ^2/NDF:1104663.4/22

+ sign 1952.681+/-0.225 χ^2/NDF: 3183082.1/56

All: 1933.749+/-0.158 χ^2/NDF: 6686694.5/11

- sign 1915.172+/-0.223 χ^2/NDF: 3489587.9/58

diff_bpm0i01Y_mean vs Slug



Right In: 11.443+/-0.379 χ^2/NDF: 273.2/31

Left Out: 6.022+/-0.521 χ^2/NDF:71.8/24

Right Out: -2.657+/-0.371 χ^2/NDF: 246.3/35

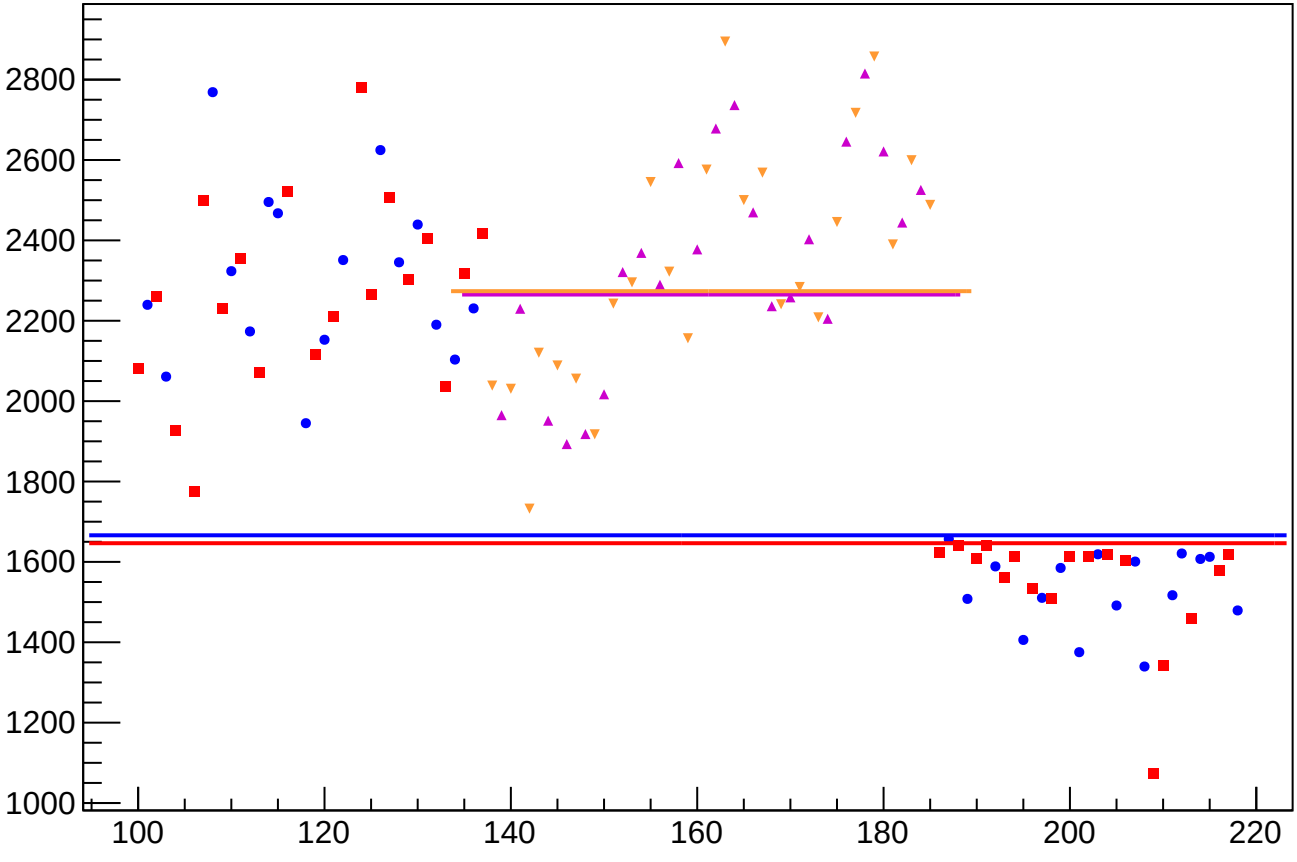
Left In: 0.329+/-0.535 χ^2/NDF:224.9/22

+ sign 9.566+/-0.306 χ^2/NDF: 415.8/56

All: 3.904+/-0.216 χ^2/NDF: 1586.3/115

- sign -1.688+/-0.305 χ^2/NDF: 492.3/58

diff_bpm0i01Y_rms vs Slug



Right In: 1666.183+/-0.268 χ^2/NDF: 1389000.9/31

Left Out: 2273.612+/-0.368 χ^2/NDF:536838.6/24

Right Out: 1646.488+/-0.262 χ^2/NDF: 1695912.1/35

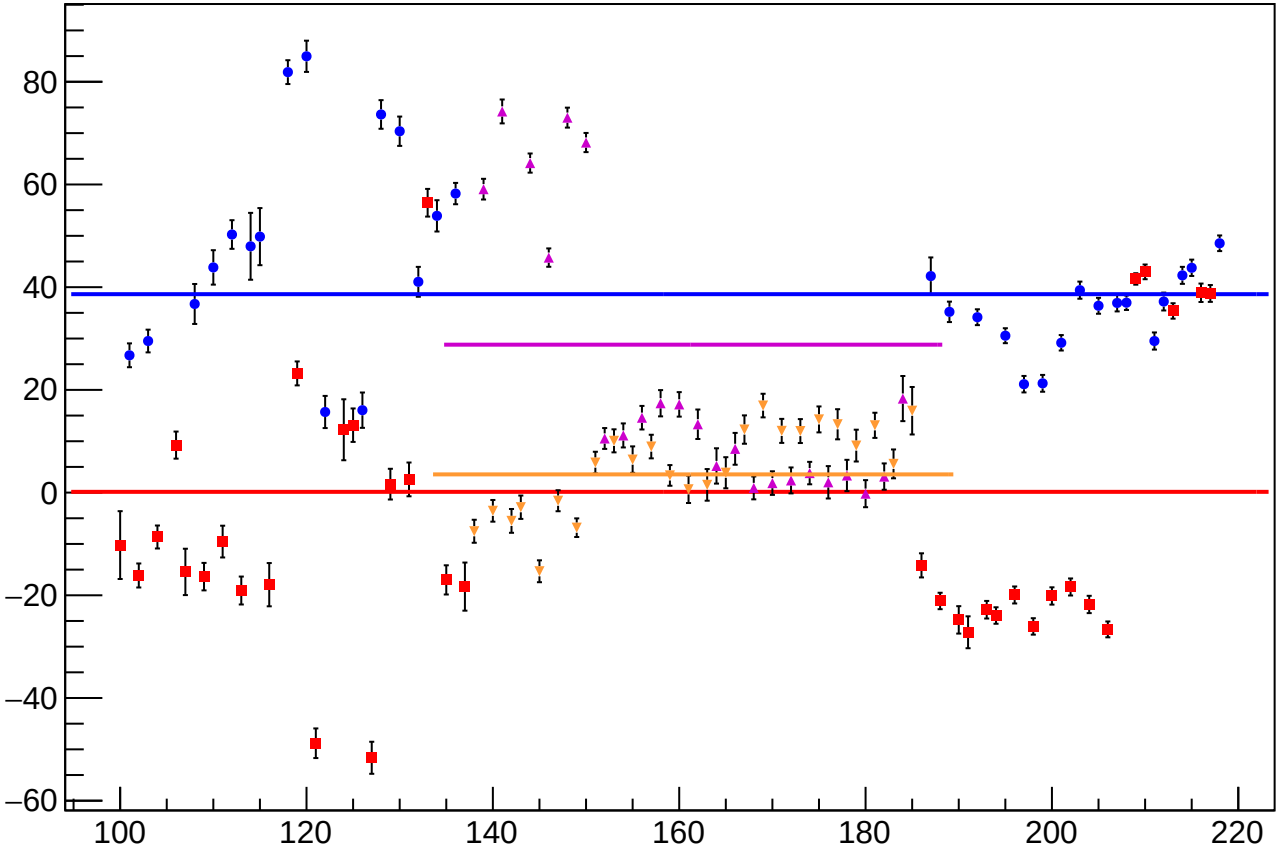
Left In: 2265.257+/-0.378 χ^2/NDF:495816.5/22

+ sign 1876.536+/-0.217 χ^2/NDF: 3704189.0/56

All: 1861.865+/-0.153 χ^2/NDF: 7714669.8/11

- sign 1847.375+/-0.215 χ^2/NDF: 4001372.0/58

diff_bpm0i01aX_mean vs Slug



Right In: 38.638+/-0.357 χ^2/NDF: 1547.9/31

Left Out: 3.544+/-0.480 χ^2/NDF:319.8/24

Right Out: 0.146+/-0.347 χ^2/NDF: 7170.7/35

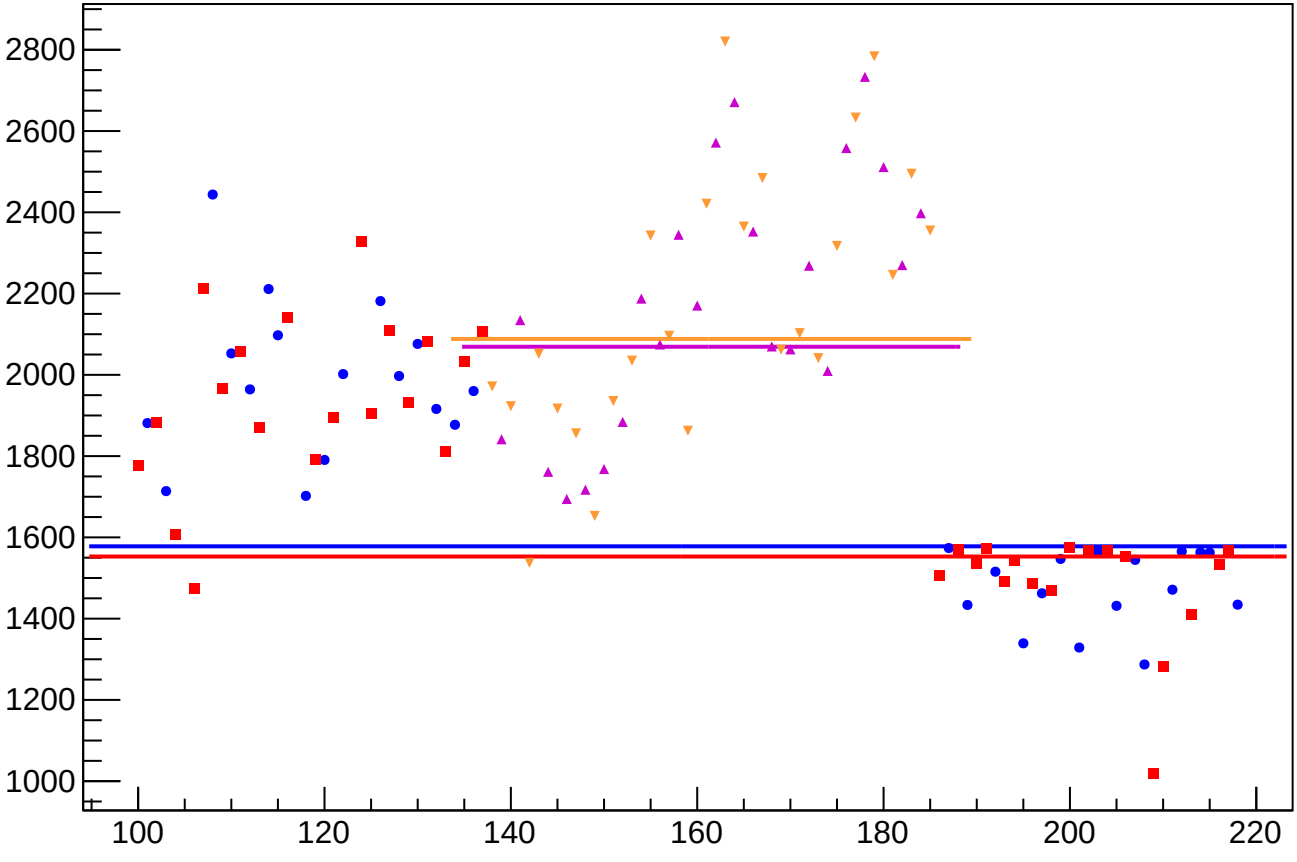
Left In: 28.804+/-0.491 χ^2/NDF:3262.5/22

\+ sign 26.163+/-0.286 χ^2/NDF: 5309.0/56

All: 17.857+/-0.201 χ^2/NDF: 19679.9/115

\- sign 9.711+/-0.284 χ^2/NDF: 12704.3/58

diff_bpm0i01aX_rms vs Slug



Right In: 1577.989+/-0.252 χ^2/NDF: 851898.5/31

Left Out: 2088.353+/-0.340 χ^2/NDF:787429.8/24

Right Out: 1552.906+/-0.246 χ^2/NDF: 1176419.8/35

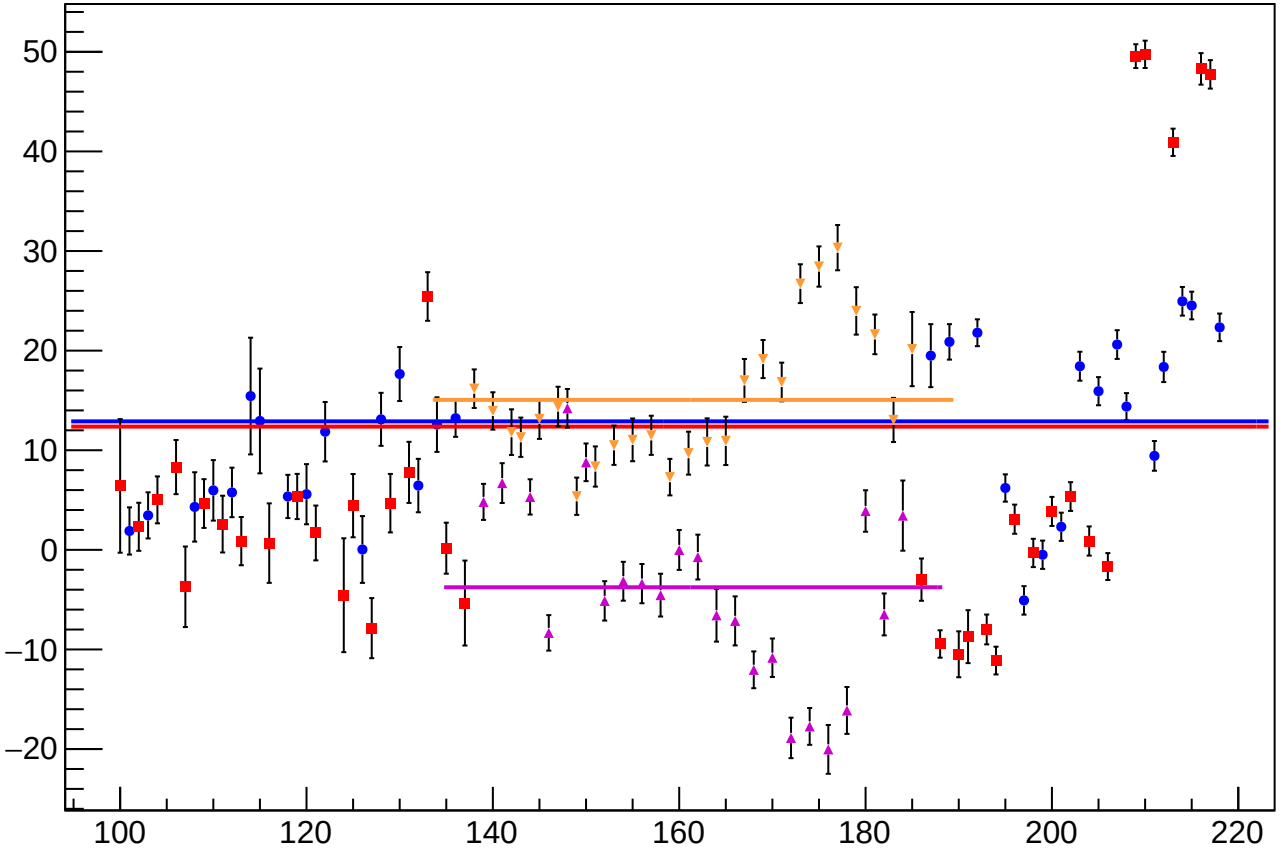
Left In: 2069.116+/-0.347 χ^2/NDF:711501.5/22

+ sign 1759.412+/-0.202 χ^2/NDF: 3094951.2/56

All: 1742.137+/-0.142 χ^2/NDF: 6470969.7/11

- sign 1725.195+/-0.201 χ^2/NDF: 3361601.0/58

diff_bpm0i01aY_mean vs Slug



Right In: 12.898+/-0.324 χ^2/NDF: 747.8/31

Left Out: 15.056+/-0.416 χ^2/NDF:246.2/24

Right Out: 12.374+/-0.318 χ^2/NDF: 4814.4/35

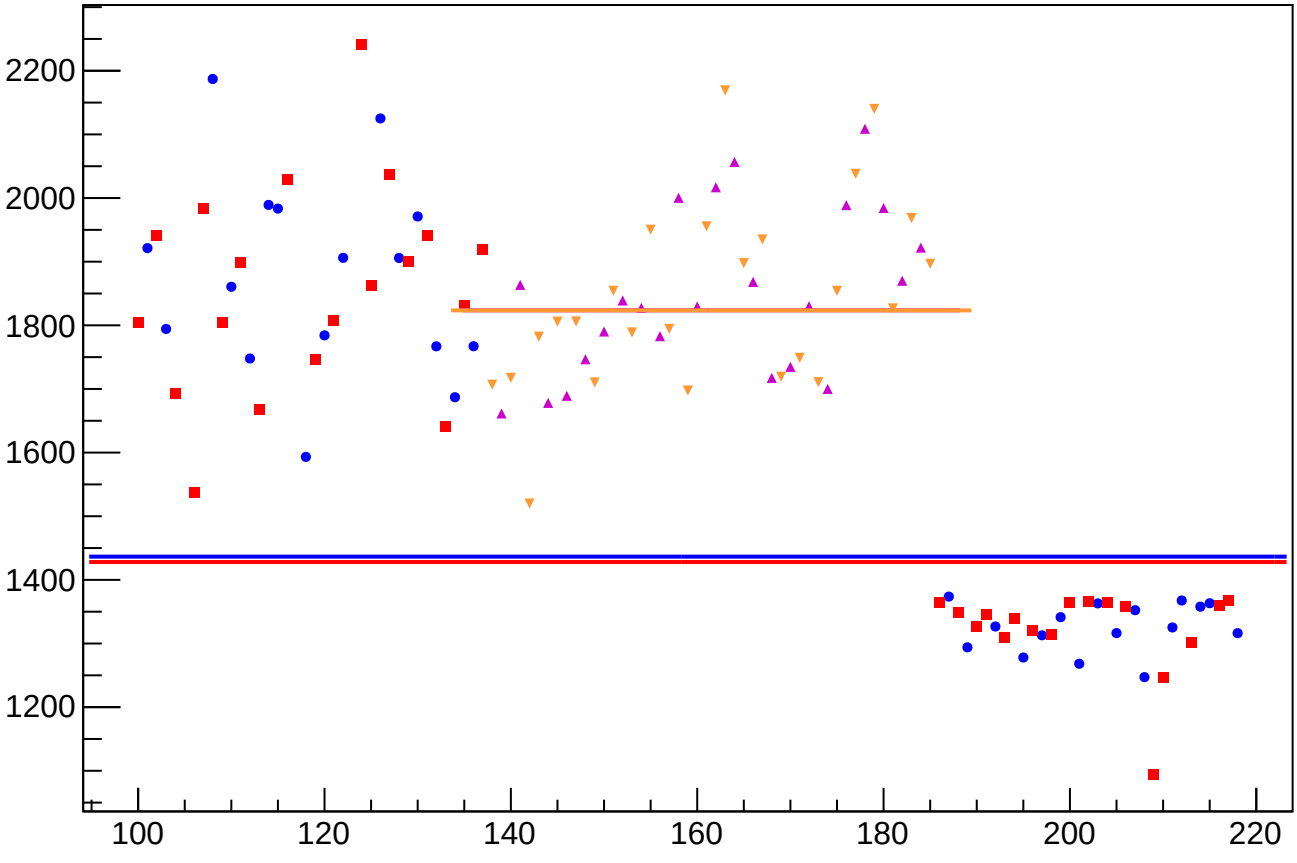
Left In: -3.758+/-0.428 χ^2/NDF:459.1/22

+ sign 13.714+/-0.256 χ^2/NDF: 1010.7/56

All: 10.168+/-0.181 χ^2/NDF: 7584.3/115

- sign 6.629+/-0.255 χ^2/NDF: 6188.9/58

diff_bpm0i01aY_rms vs Slug



Right In: 1436.508+/-0.229 χ^2/NDF: 967472.5/31

Left Out: 1823.452+/-0.294 χ^2/NDF:211274.0/24

Right Out: 1428.032+/-0.225 χ^2/NDF: 1056321.1/35

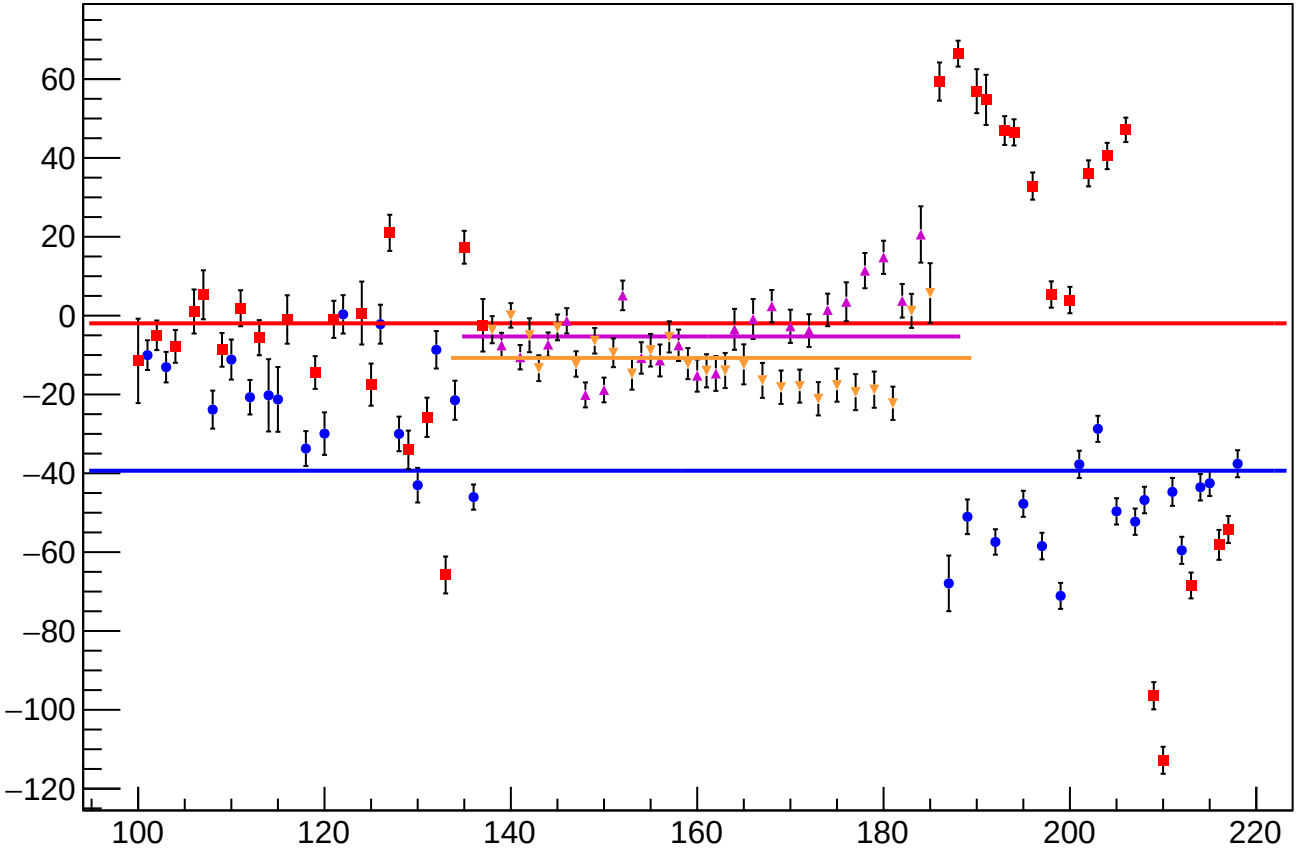
Left In: 1823.627+/-0.303 χ^2/NDF:163768.2/22

+ sign 1582.711+/-0.181 χ^2/NDF: 2256931.7/56

All: 1575.811+/-0.128 χ^2/NDF: 4580957.6/11

- sign 1568.922+/-0.181 χ^2/NDF: 2321111.3/58

diff_bpm0l01X_mean vs Slug



Right In: -39.343+/-0.696 χ^2/NDF: 632.4/31

Left Out: -10.732+/-0.794 χ^2/NDF:73.8/24

Right Out: -1.959+/-0.689 χ^2/NDF: 4814.0/35

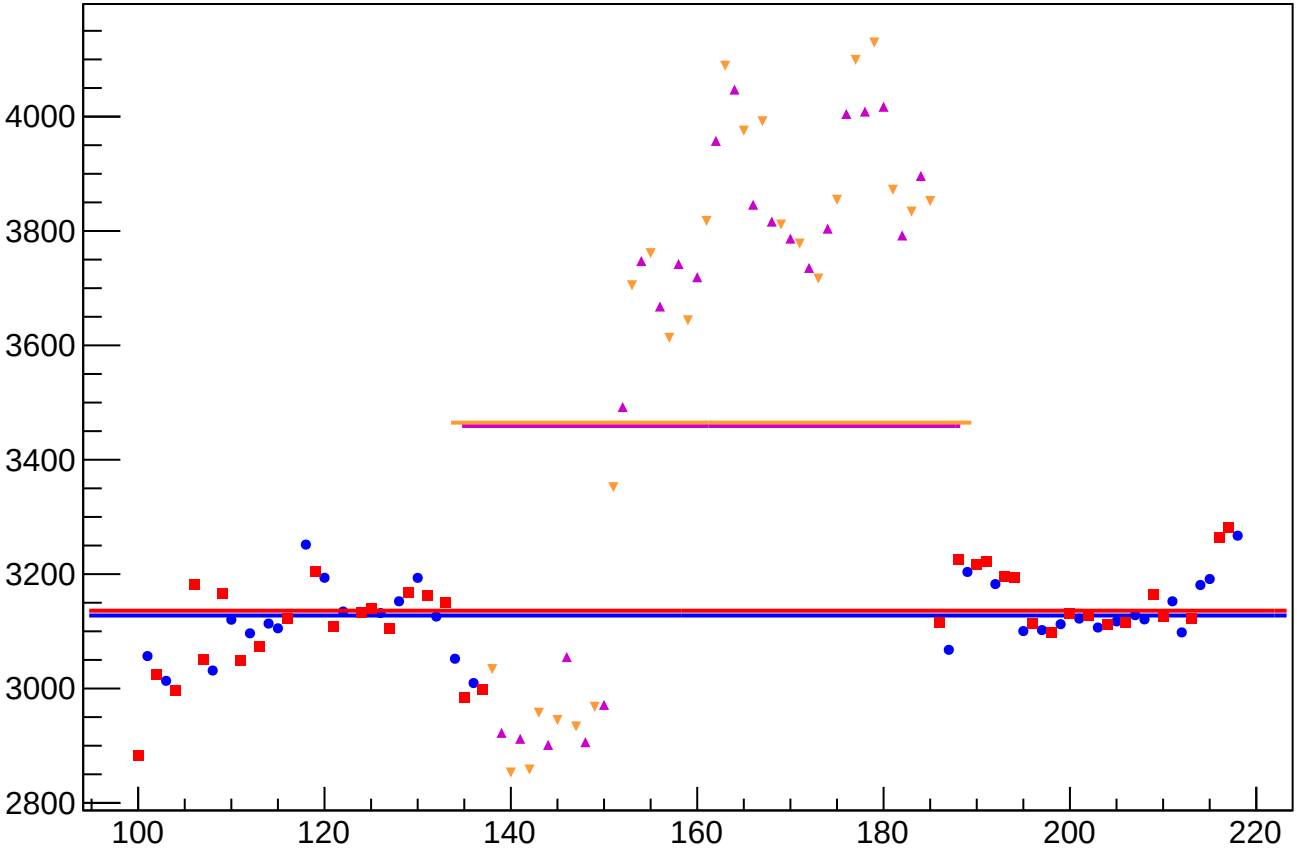
Left In: -5.291+/-0.814 χ^2/NDF:133.6/22

+ sign -26.915+/-0.523 χ^2/NDF: 1440.9/56

All: -15.194+/-0.371 χ^2/NDF: 7407.4/115

- sign -3.349+/-0.526 χ^2/NDF: 4957.3/58

diff_bpm0l01X_rms vs Slug



Right In: 3127.659+/-0.492 χ^2/NDF: 15533.6/31

Left Out: 3464.906+/-0.561 χ^2/NDF:644023.5/24

Right Out: 3136.108+/-0.487 χ^2/NDF: 21362.9/35

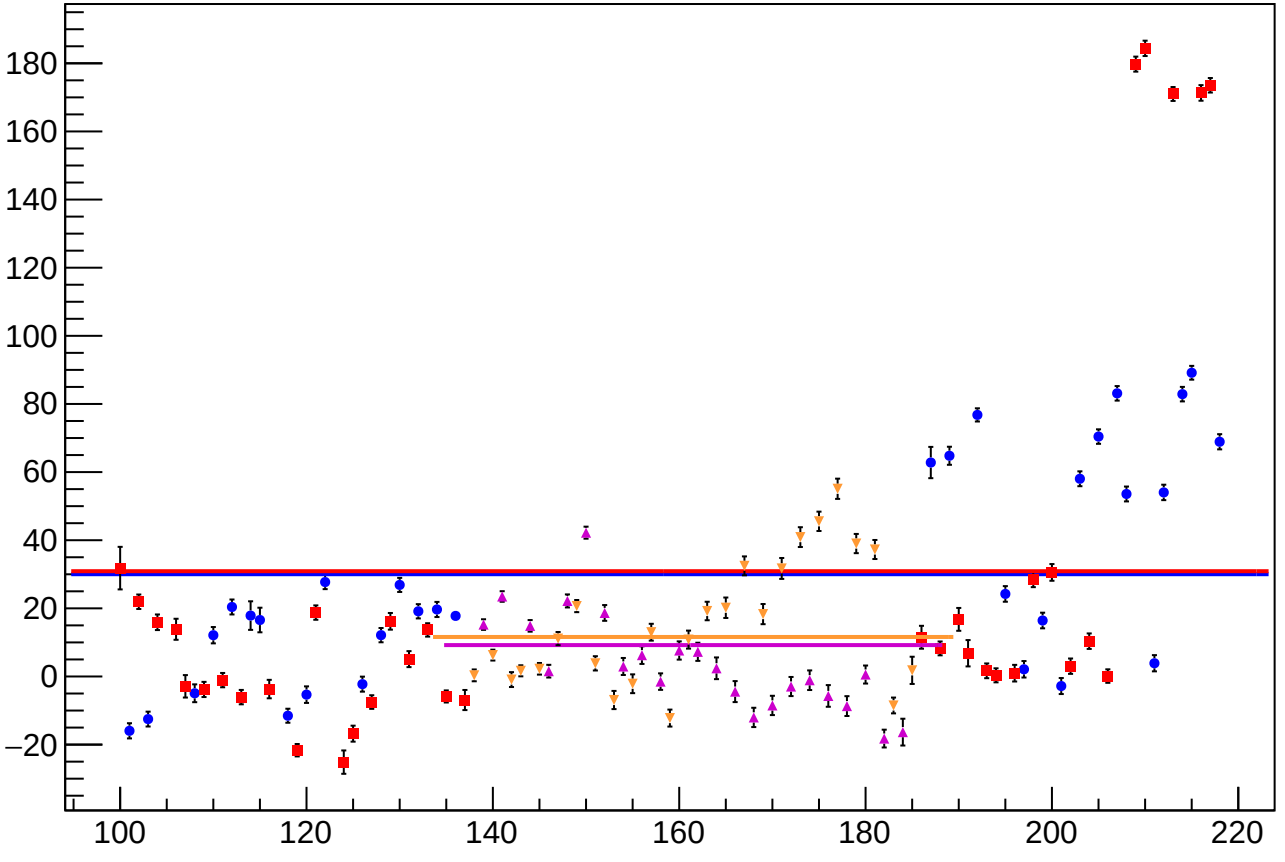
Left In: 3459.050+/-0.576 χ^2/NDF:583309.1/22

+ sign 3274.154+/-0.370 χ^2/NDF: 863735.3/56

All: 3272.502+/-0.262 χ^2/NDF: 1651778.5/11

- sign 3270.833+/-0.372 χ^2/NDF: 788003.1/58

diff_bpm0l01Y_mean vs Slug



Right In: 30.022+/-0.392 χ^2/NDF: 6570.2/31

Left Out: 11.599+/-0.463 χ^2/NDF:1196.9/24

Right Out: 30.906+/-0.388 χ^2/NDF: 27250.3/35

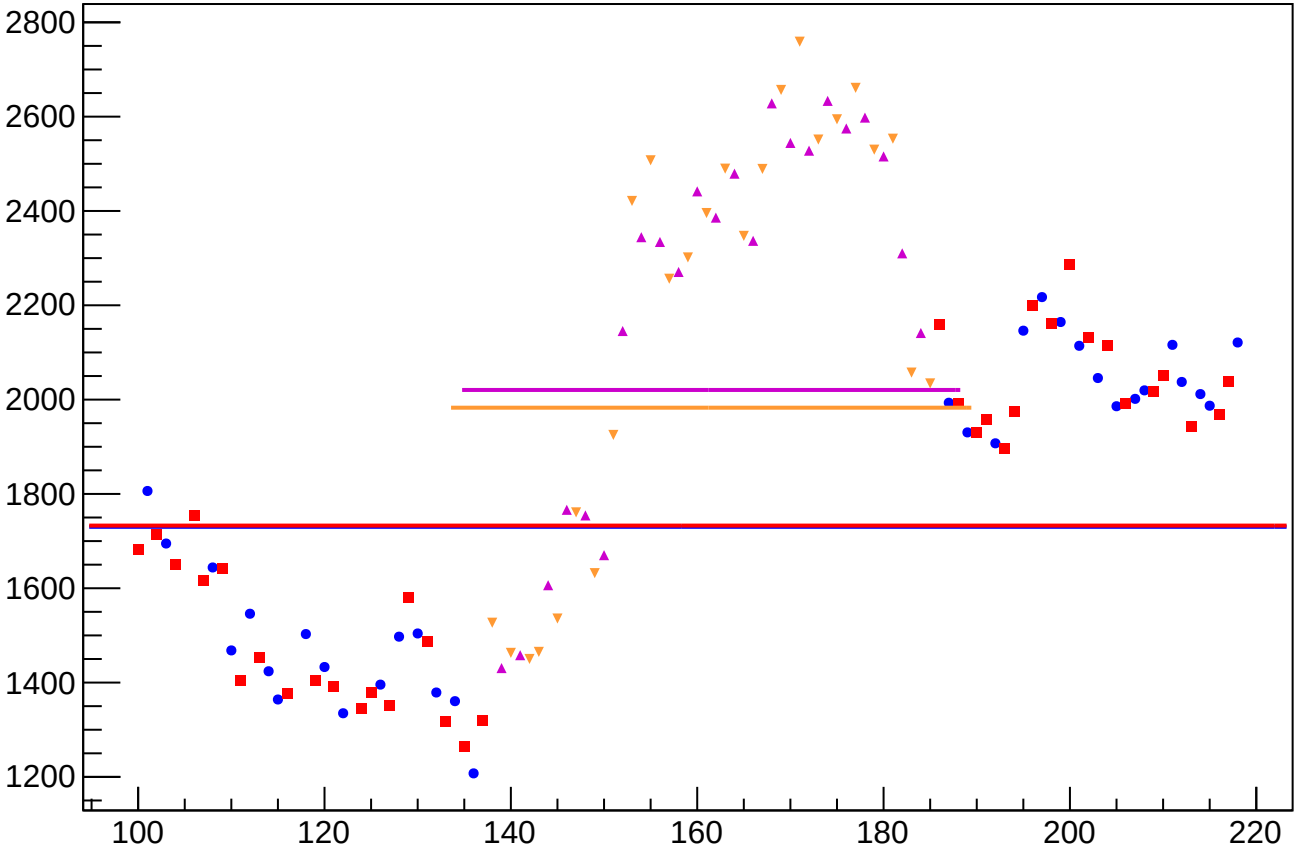
Left In: 9.213+/-0.484 χ^2/NDF:940.6/22

\+ sign 22.331+/-0.299 χ^2/NDF: 8687.8/56

All: 22.377+/-0.213 χ^2/NDF: 38103.2/115

\- sign 22.425+/-0.303 χ^2/NDF: 29415.4/58

diff_bpm0l01Y_rms vs Slug



Right In: 1730.290+/-0.277 χ^2/NDF: 1401254.0/31

Left Out: 1982.871+/-0.328 χ^2/NDF:1977669.4/24

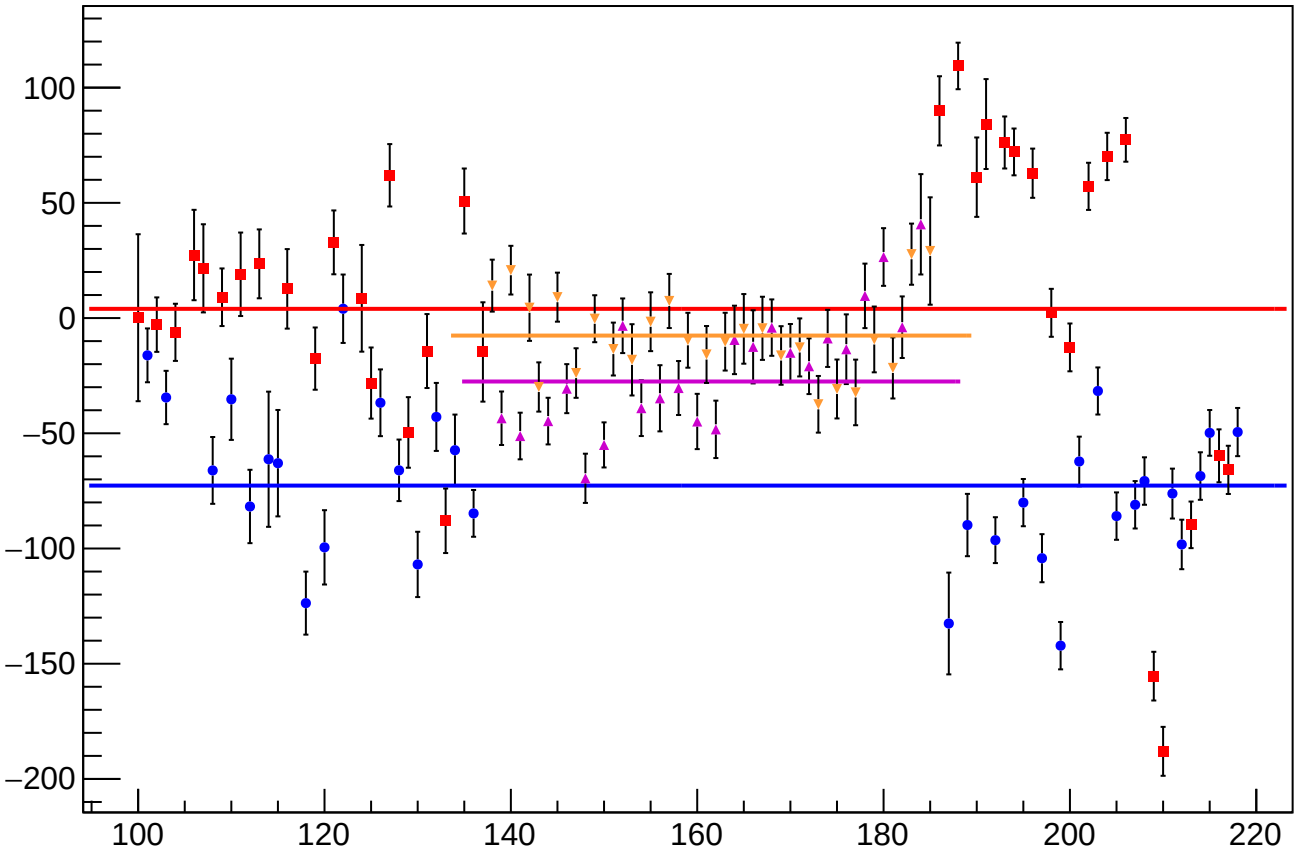
Right Out: 1732.877+/-0.274 χ^2/NDF: 1356060.4/35

Left In: 2020.468+/-0.342 χ^2/NDF:1614691.2/22

+ sign 1835.737+/-0.212 χ^2/NDF: 3725024.0/56

All: 1840.476+/-0.150 χ^2/NDF: 7127194.8/11

- sign 1845.313+/-0.214 χ^2/NDF: 3401158.6/58



Right In: -72.698+/-2.154 χ^2/NDF: 207.3/31

Left Out: -7.594+/-2.495 χ^2/NDF:47.9/24

Right Out: 4.004+/-2.136 χ^2/NDF: 1237.0/35

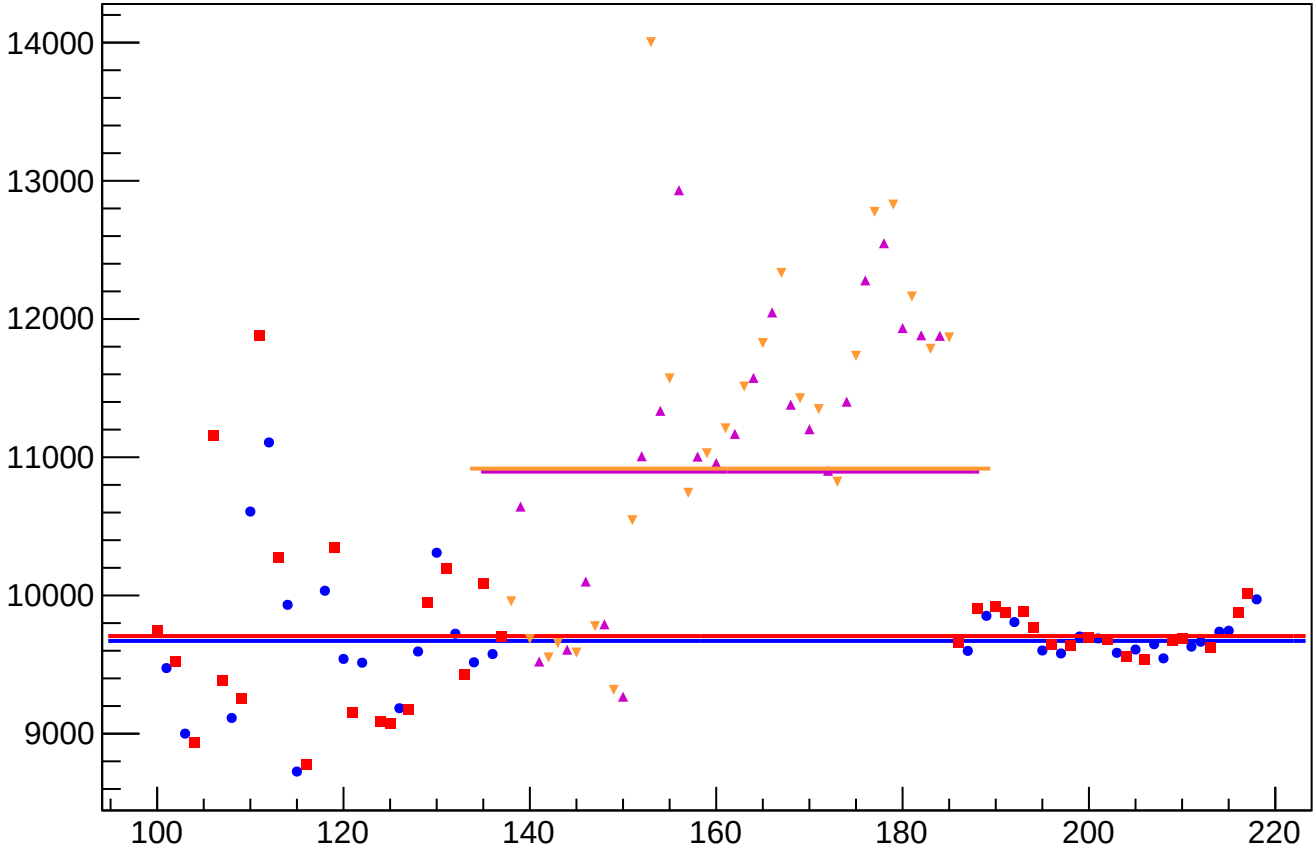
Left In: -27.528+/-2.556 χ^2/NDF:93.0/22

+ sign -44.896+/-1.630 χ^2/NDF: 645.3/56

All: -27.021+/-1.156 χ^2/NDF: 2306.6/115

- sign -8.957+/-1.639 χ^2/NDF: 1419.6/58

diff_bpm0l02X_rms vs Slug



Right In: 9671.213+/-1.523 χ^2/NDF: 47640.7/31

Left Out: 10917.711+/-1.764 χ^2/NDF:425841.1/24

Right Out: 9706.423+/-1.510 χ^2/NDF: 85458.0/35

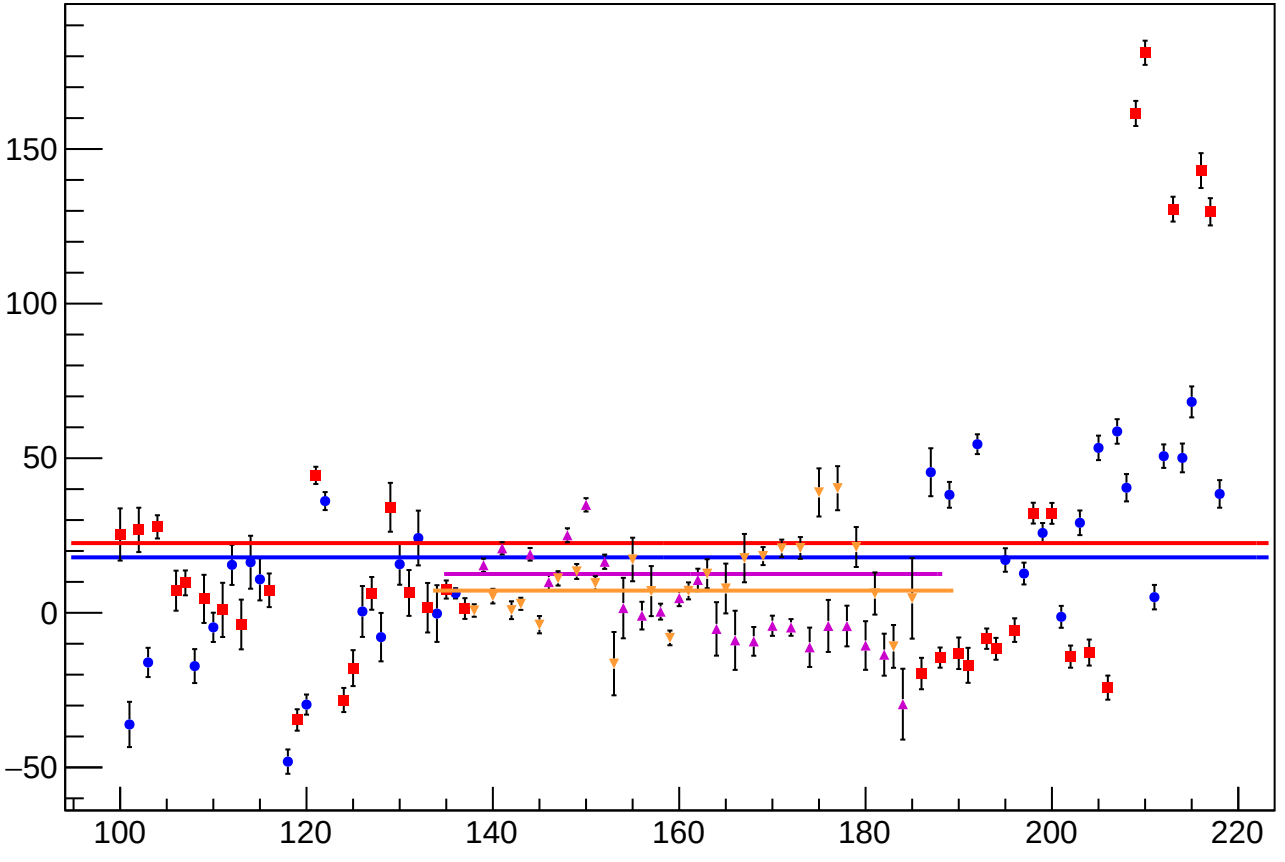
Left In: 10895.992+/-1.808 χ^2/NDF:298059.2/22

+ sign 10203.523+/-1.153 χ^2/NDF: 759489.6/56

All: 10199.485+/-0.817 χ^2/NDF: 1398066.2/1

- sign 10195.404+/-1.159 χ^2/NDF: 638551.9/58

diff_bpm0l02Y_mean vs Slug



Right In: 17.937+/-0.721 χ^2/NDF: 1452.8/31

Left Out: 7.185+/-0.654 χ^2/NDF:201.7/24

Right Out: 22.547+/-0.715 χ^2/NDF: 6144.3/35

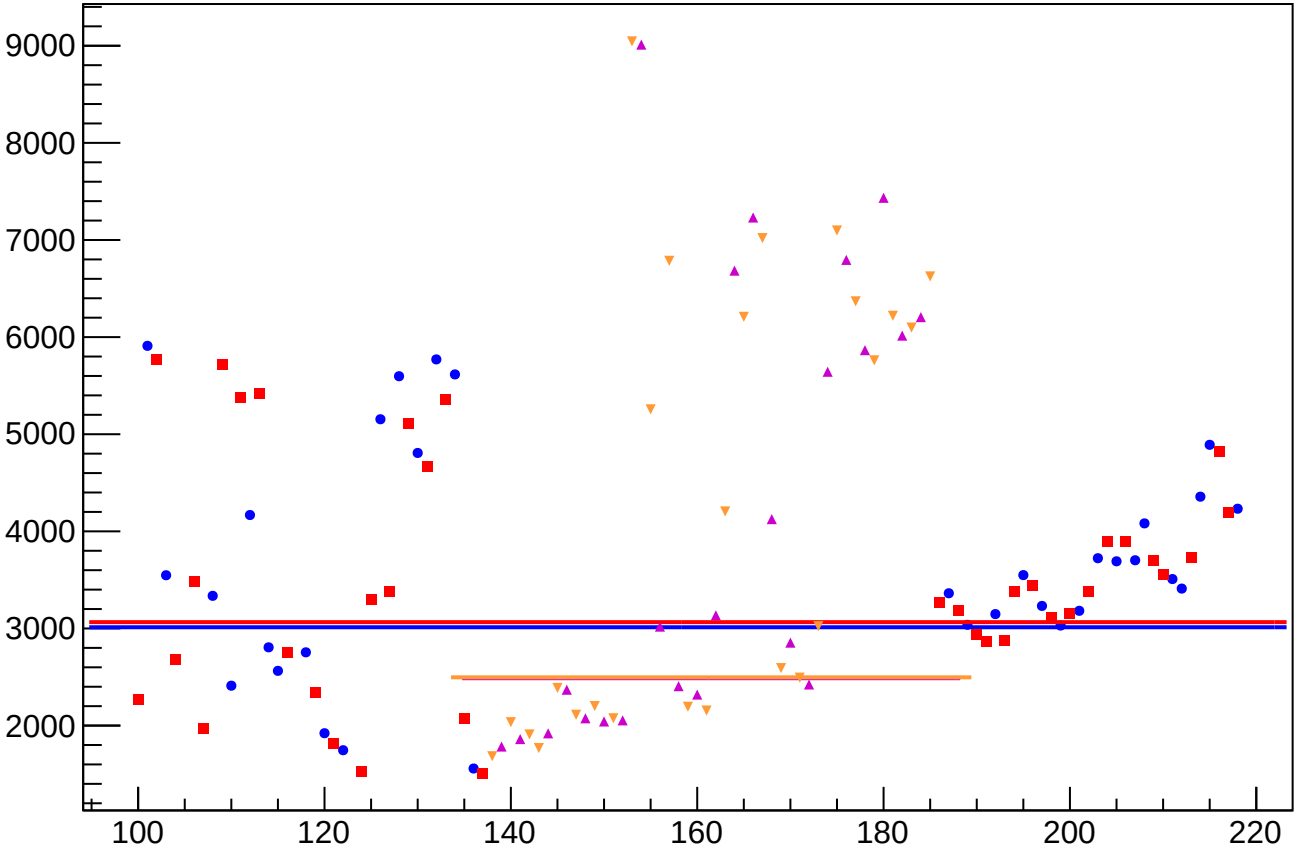
Left In: 12.553+/-0.661 χ^2/NDF:372.1/22

+ sign 12.035+/-0.484 χ^2/NDF: 1776.6/56

All: 14.592+/-0.343 χ^2/NDF: 8454.3/115

- sign 17.157+/-0.485 χ^2/NDF: 6621.8/58

diff_bpm0l02Y_rms vs Slug



Right In: 3012.437+/-0.510 χ^2/NDF: 4451807.9/31

Left Out: 2496.801+/-0.462 χ^2/NDF:7205827.8/24

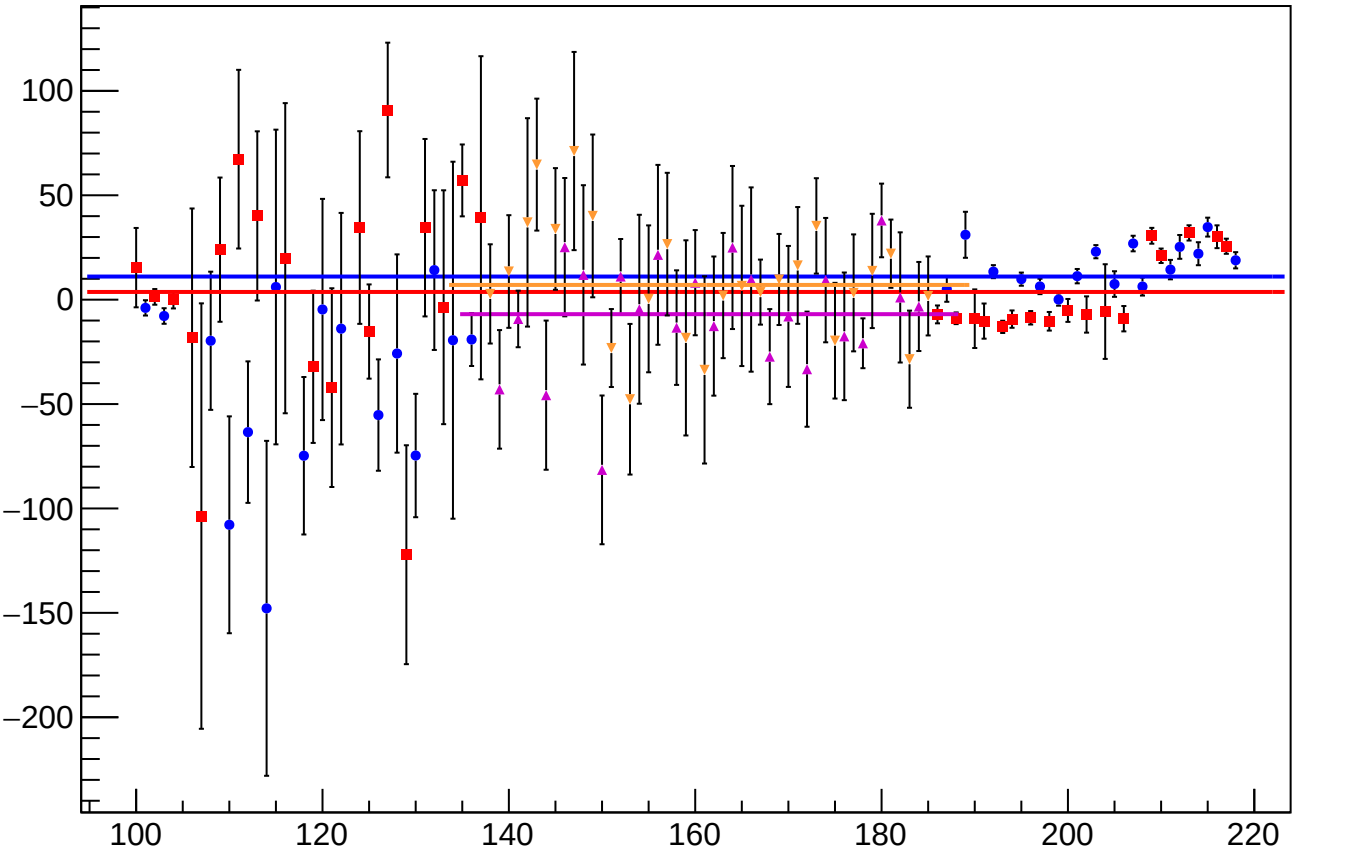
Right Out: 3065.029+/-0.505 χ^2/NDF: 3591791.7/35

Left In: 2487.721+/-0.467 χ^2/NDF:6103466.5/22

+ sign 2729.398+/-0.342 χ^2/NDF: 12219098.5/56

All: 2741.524+/-0.242 χ^2/NDF: 22620725.9/1

- sign 2753.690+/-0.343 χ^2/NDF: 10399115.3/58



Right In: 11.077+/-0.933 χ^2/NDF: 180.1/31

Left Out: 7.059+/-5.227 χ^2/NDF:19.6/24

Right Out: 3.695+/-0.963 χ^2/NDF: 333.9/35

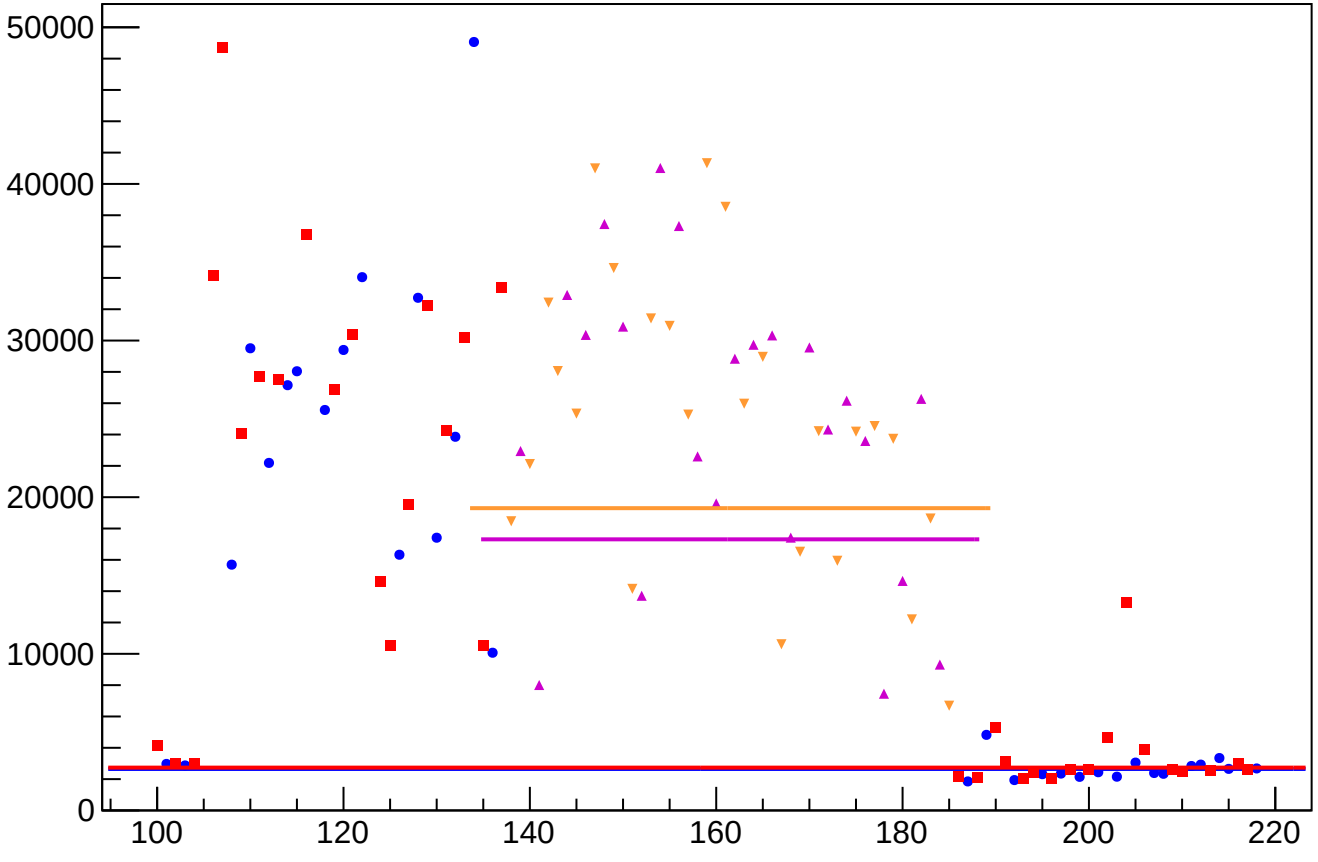
Left In: -6.944+/-5.090 χ^2/NDF:21.1/22

+ sign 10.953+/-0.918 χ^2/NDF: 200.2/56

All: 7.253+/-0.659 χ^2/NDF: 592.9/115

- sign 3.328+/-0.946 χ^2/NDF: 359.2/58

diff_bpm0l03X_rms vs Slug



Right In: 2649.975+/-0.660 χ^2/NDF: 7988706.0/31

Left Out: 19299.351+/-3.696 χ^2/NDF:5037014.9/24

Right Out: 2734.488+/-0.681 χ^2/NDF: 9432093.1/35

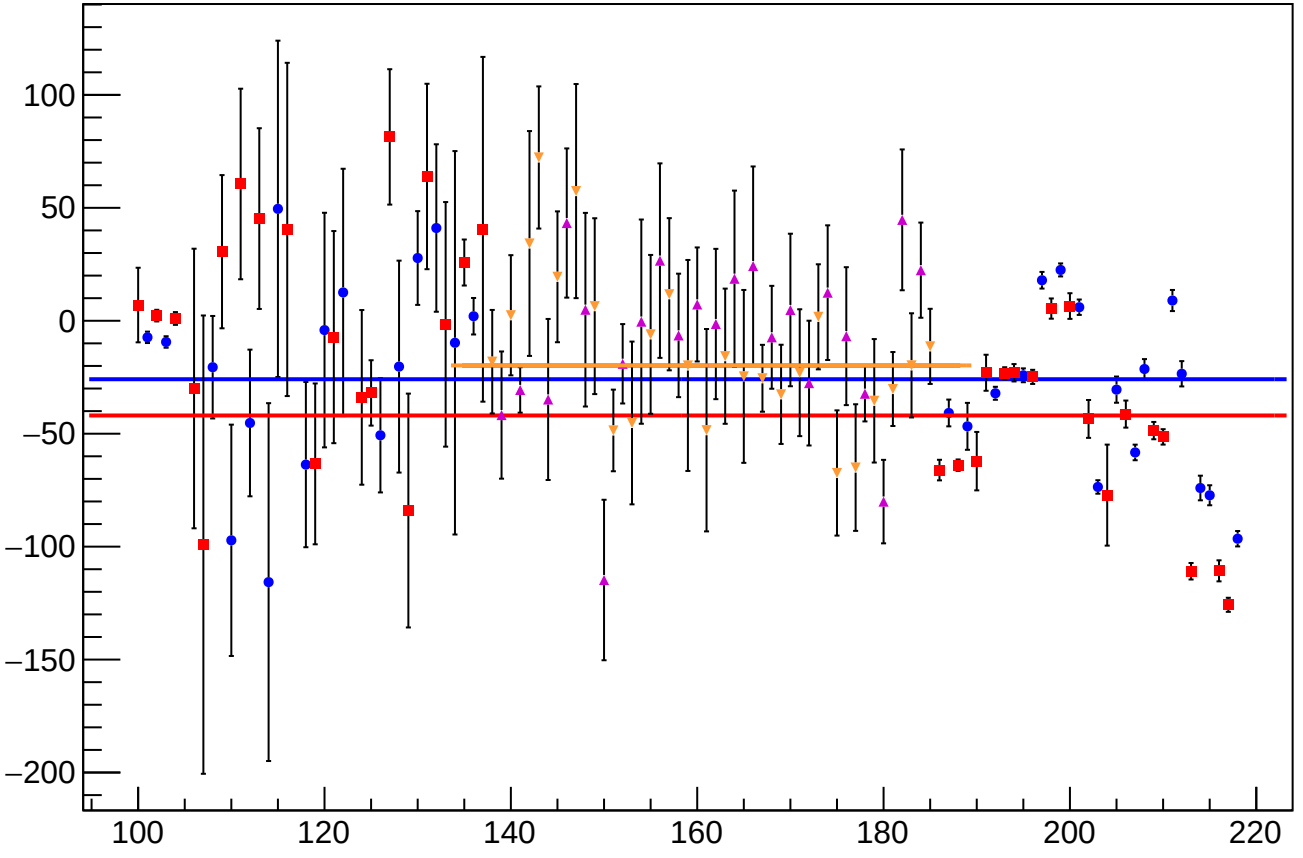
Left In: 17309.081+/-3.600 χ^2/NDF:6719993.9/22

+ sign 3163.714+/-0.649 χ^2/NDF: 32687689.4/56

All: 3199.624+/-0.466 χ^2/NDF: 64674714.0/1

- sign 3237.729+/-0.669 χ^2/NDF: 31980720.5/58

diff_bpm0l03Y_mean vs Slug



Right In: -25.885+/-0.843 χ^2/NDF: 1692.2/31

Left Out: -19.769+/-5.117 χ^2/NDF:27.8/24

Right Out: -41.929+/-0.865 χ^2/NDF: 2331.8/35

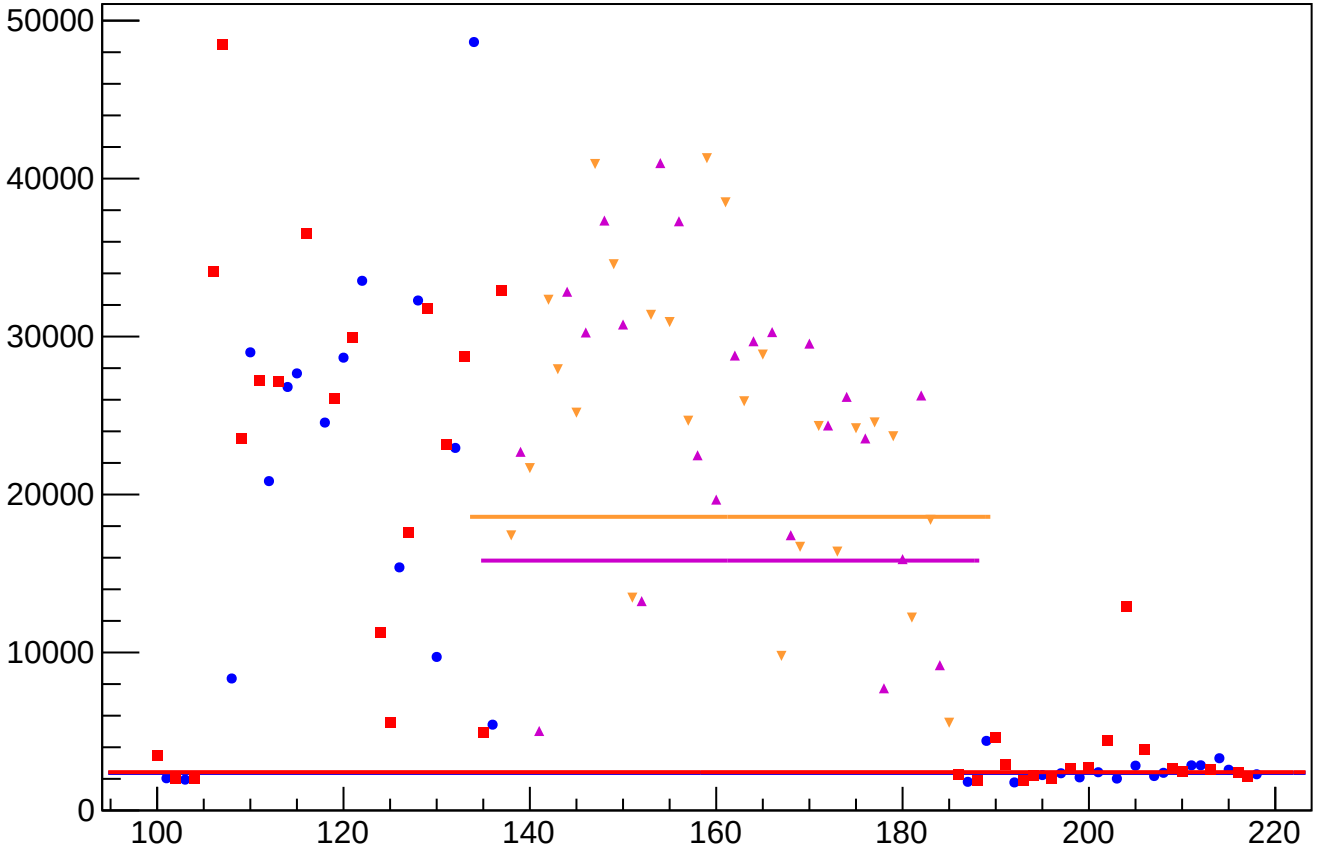
Left In: -19.822+/-4.846 χ^2/NDF:40.3/22

+ sign -25.723+/-0.831 χ^2/NDF: 1721.3/56

All: -33.297+/-0.595 χ^2/NDF: 4283.6/115

- sign -41.246+/-0.852 χ^2/NDF: 2392.2/58

diff_bpm0l03Y_rms vs Slug



Right In: 2373.930+/-0.596 χ^2/NDF: 7176036.5/31

Left Out: 18589.195+/-3.618 χ^2/NDF:5698567.3/24

Right Out: 2424.040+/-0.612 χ^2/NDF: 9032653.6/35

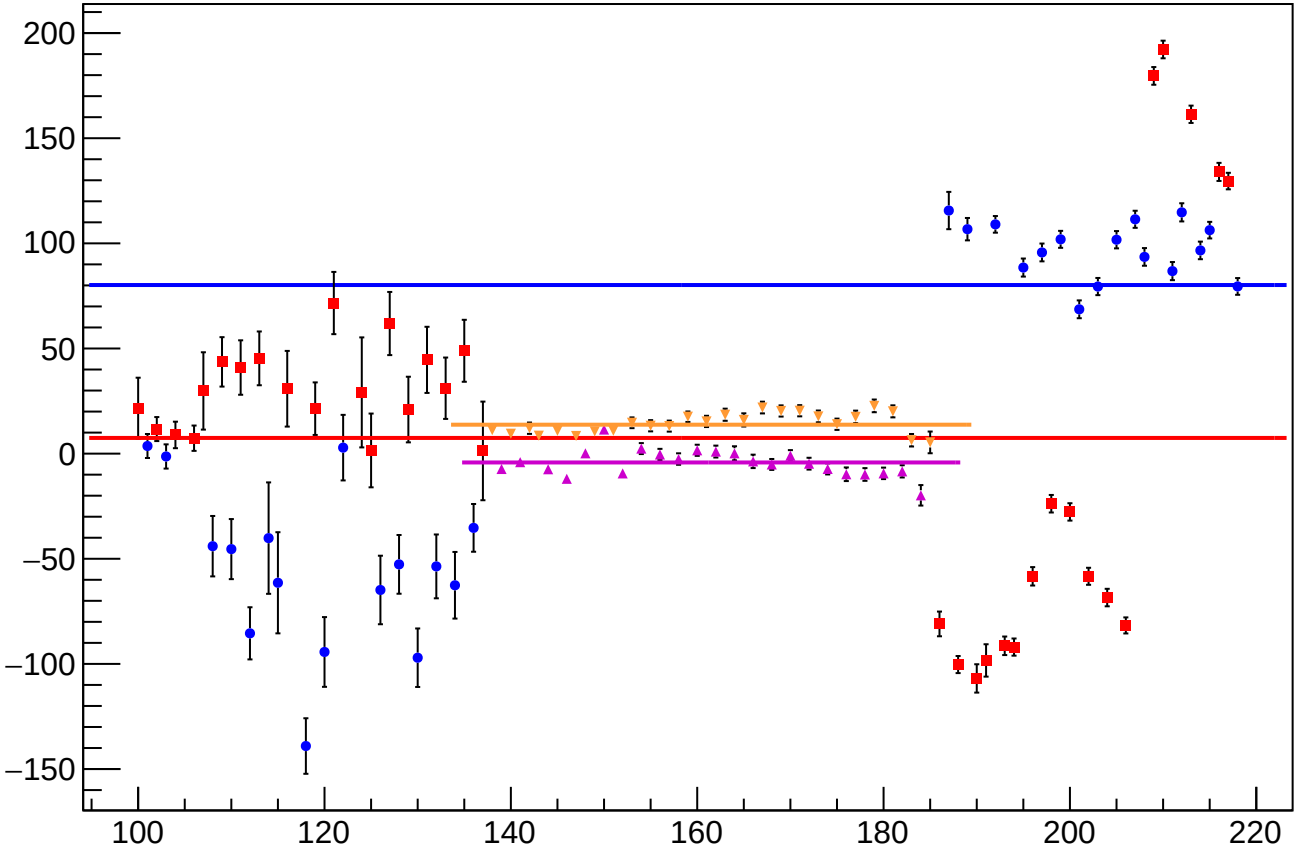
Left In: 15817.655+/-3.426 χ^2/NDF:8406830.8/22

+ sign 2802.095+/-0.588 χ^2/NDF: 32430295.4/56

All: 2819.582+/-0.421 χ^2/NDF: 64679777.4/1

- sign 2837.937+/-0.602 χ^2/NDF: 32247668.6/58

diff_bpm0l04X_mean vs Slug



Right In: 80.181+/-1.004 χ^2/NDF: 2141.1/31

Left Out: 13.761+/-0.514 χ^2/NDF:77.2/24

Right Out: 7.465+/-0.981 χ^2/NDF: 10930.7/35

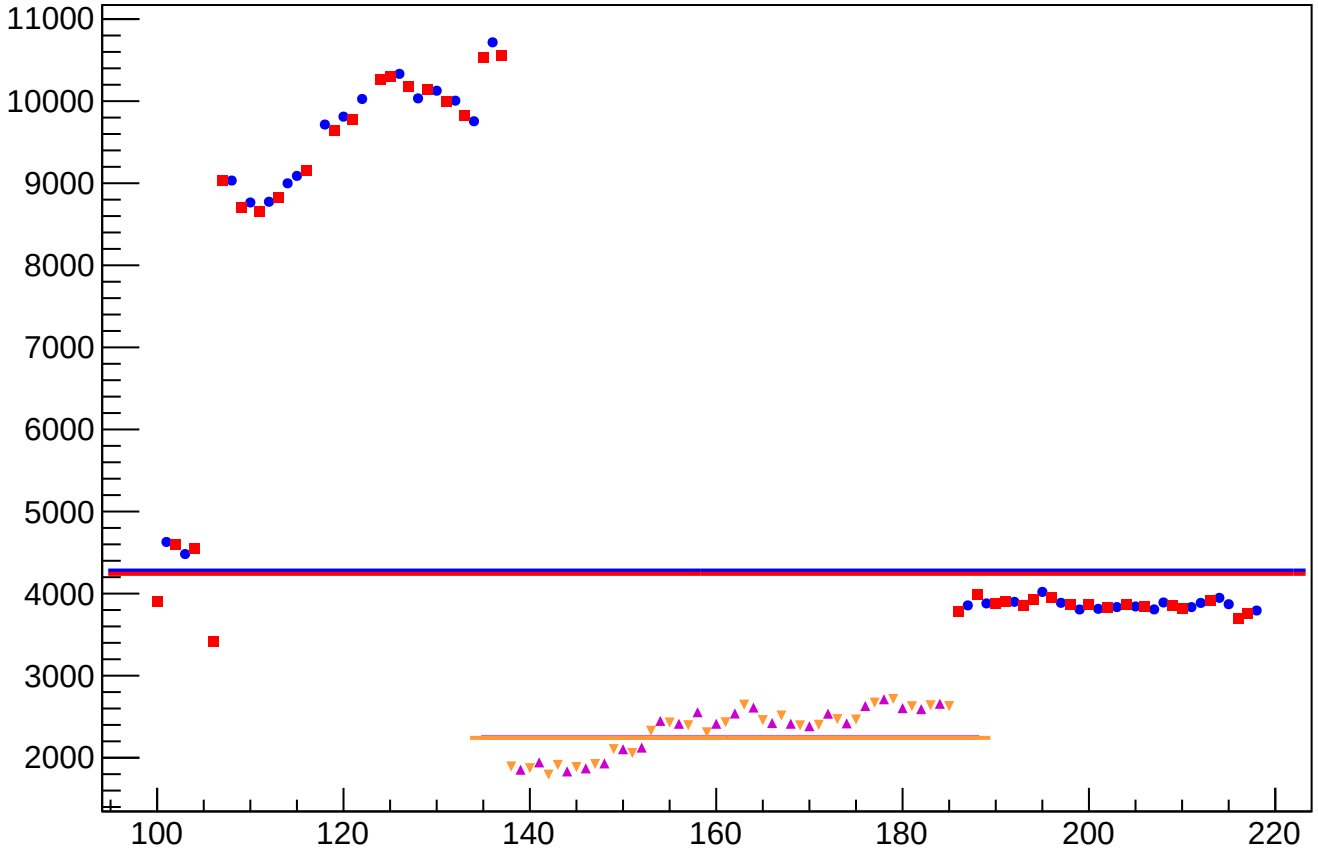
Left In: -4.202+/-0.530 χ^2/NDF:123.9/22

\+ sign 27.546+/-0.458 χ^2/NDF: 5683.9/56

All: 13.266+/-0.327 χ^2/NDF: 18833.5/115

\- sign -1.564+/-0.466 χ^2/NDF: 11164.2/58

diff_bpm0l04X_rms vs Slug



Right In: 4281.123+/-0.710 χ^2/NDF: 4102220.1/31

Left Out: 2242.334+/-0.363 χ^2/NDF:657865.5/24

Right Out: 4240.790+/-0.693 χ^2/NDF: 4049703.1/35

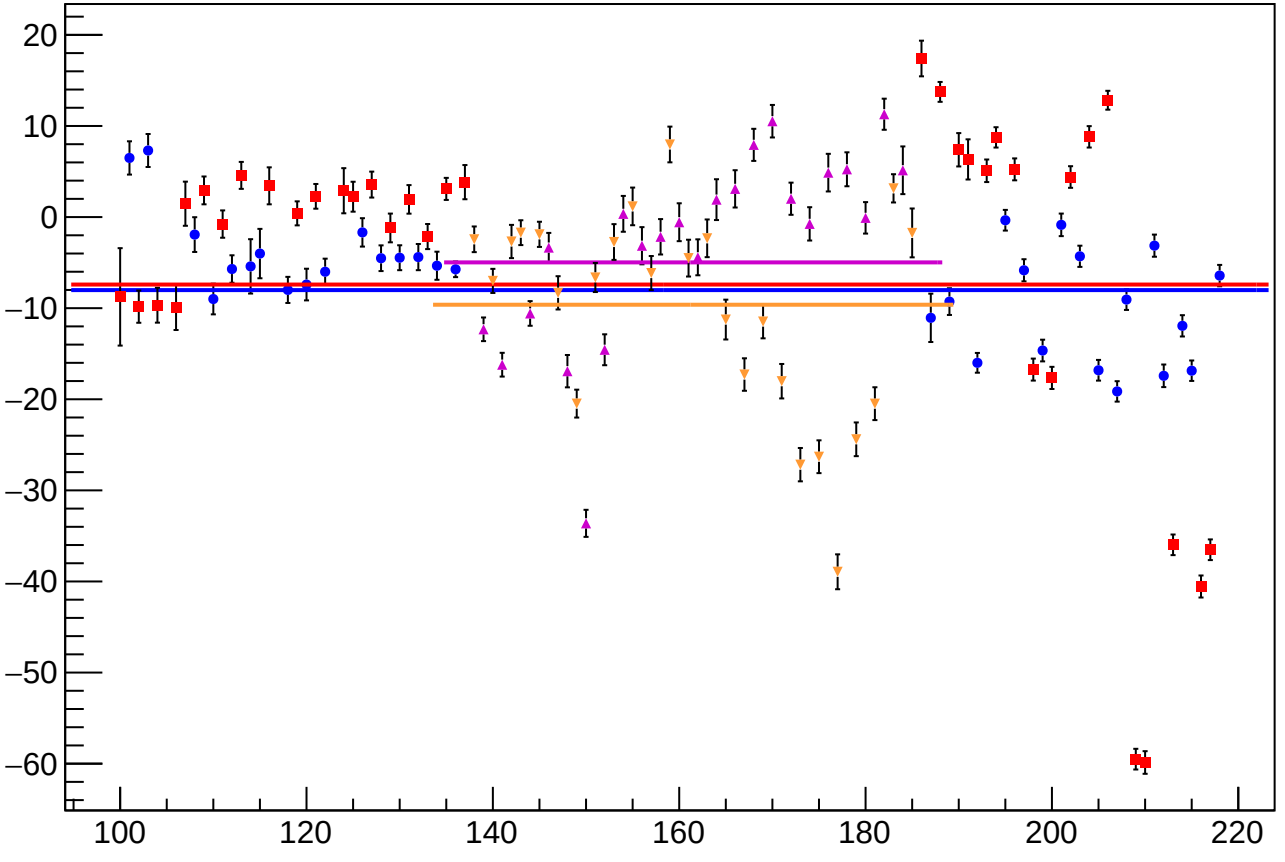
Left In: 2248.582+/-0.375 χ^2/NDF:642255.3/22

+ sign 2665.465+/-0.324 χ^2/NDF: 11290525.1/56

All: 2681.939+/-0.231 χ^2/NDF: 22375805.9/1

- sign 2699.049+/-0.330 χ^2/NDF: 11079995.5/58

diff_bpm0l04Y_mean vs Slug



Right In: -8.016+/-0.237 χ^2/NDF: 686.1/31

Left Out: -9.622+/-0.349 χ^2/NDF:934.3/24

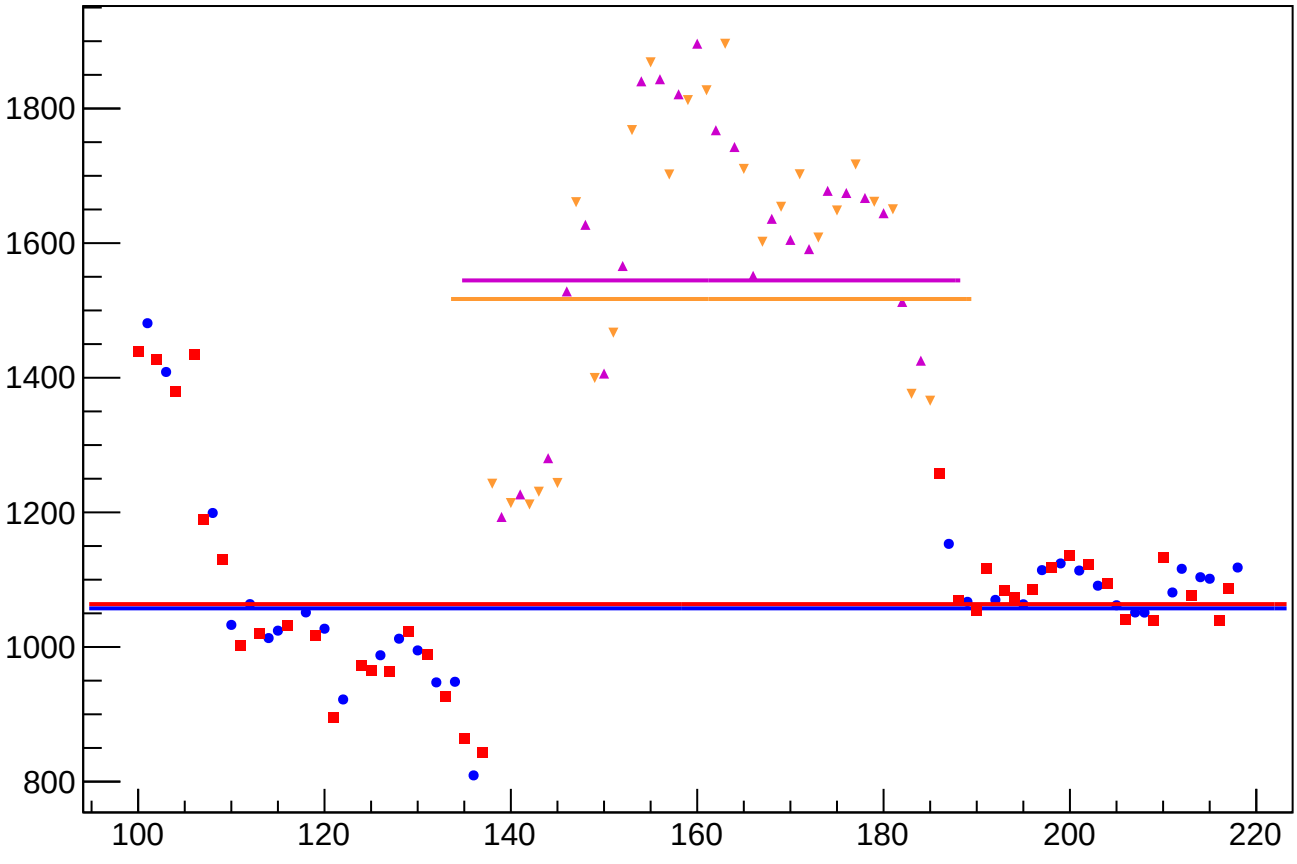
Right Out: -7.407+/-0.235 χ^2/NDF: 8351.5/35

Left In: -4.974+/-0.365 χ^2/NDF:929.8/22

+ sign -8.522+/-0.196 χ^2/NDF: 1634.9/56

All: -7.615+/-0.139 χ^2/NDF: 10990.9/115

- sign -6.693+/-0.197 χ^2/NDF: 9312.7/58



Right In: 1057.390+/-0.167 χ^2/NDF: 448957.6/31

Left Out: 1517.008+/-0.247 χ^2/NDF:832983.9/24

Right Out: 1063.714+/-0.166 χ^2/NDF: 415954.4/35

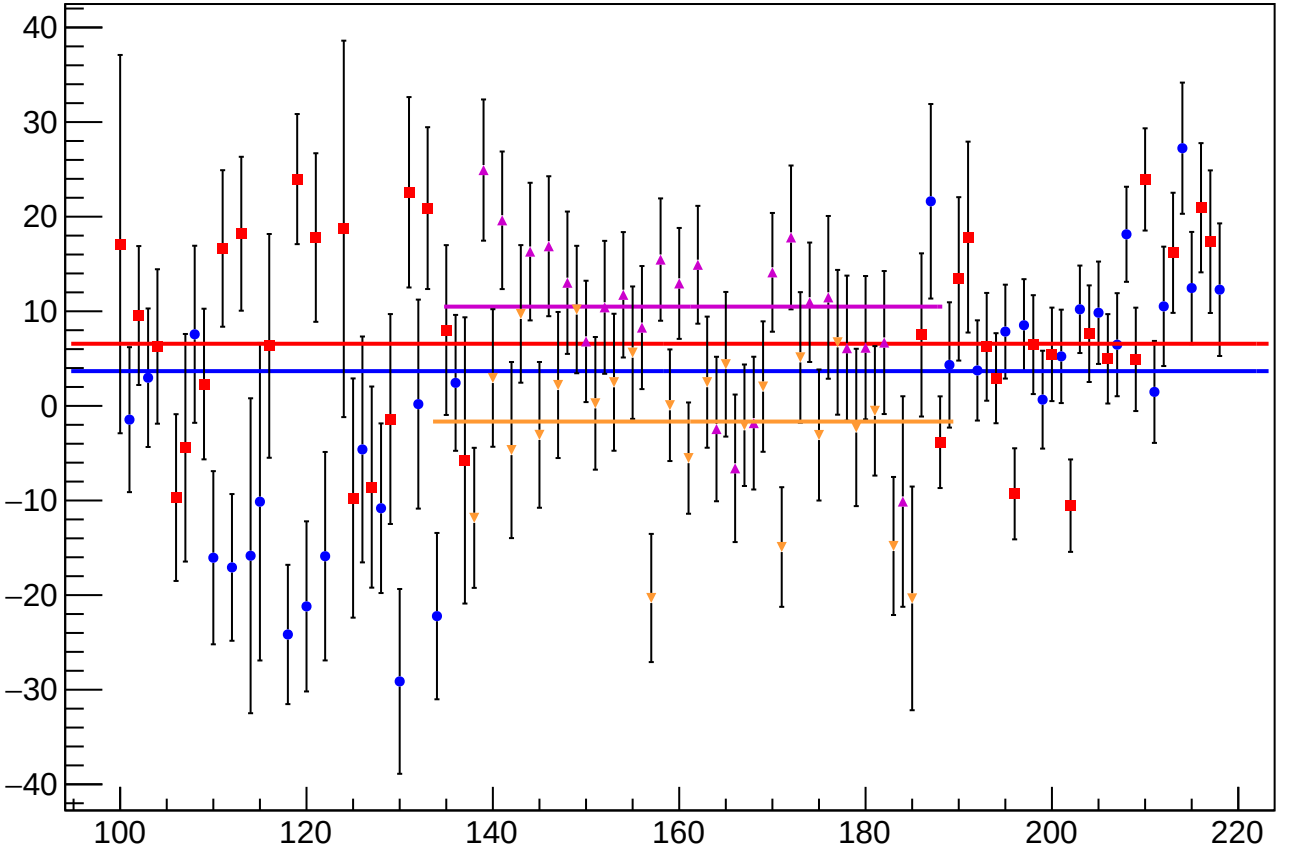
Left In: 1544.620+/-0.258 χ^2/NDF:638659.4/22

+ sign 1202.031+/-0.138 χ^2/NDF: 3657677.0/56

All: 1203.397+/-0.098 χ^2/NDF: 7171098.5/11

- sign 1204.786+/-0.140 χ^2/NDF: 3513225.2/58

diff_bpm0l05X_mean vs Slug



Right In: 3.674+/-1.191 χ^2/NDF: 96.4/31

Left Out: -1.655+/-1.426 χ^2/NDF:31.5/24

Right Out: 6.568+/-1.163 χ^2/NDF: 76.7/35

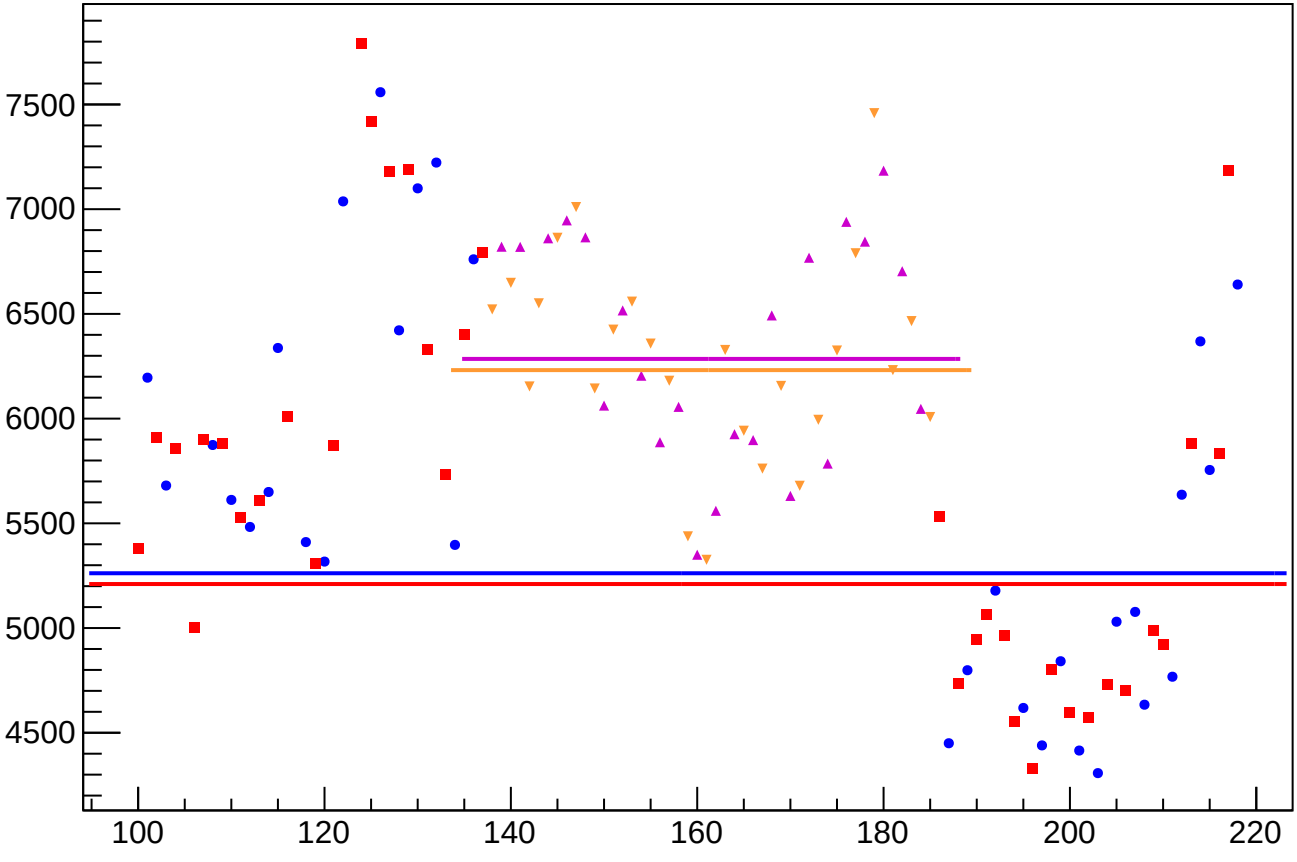
Left In: 10.492+/-1.480 χ^2/NDF:24.9/22

+ sign 1.485+/-0.914 χ^2/NDF: 136.1/56

All: 4.776+/-0.646 χ^2/NDF: 268.0/115

- sign 8.066+/-0.914 χ^2/NDF: 106.0/58

diff_bpm0l05X_rms vs Slug



Right In: 5261.625+/-0.842 χ^2/NDF: 914359.0/31

Left Out: 6231.572+/-1.009 χ^2/NDF:226959.2/24

Right Out: 5210.109+/-0.822 χ^2/NDF: 834324.8/35

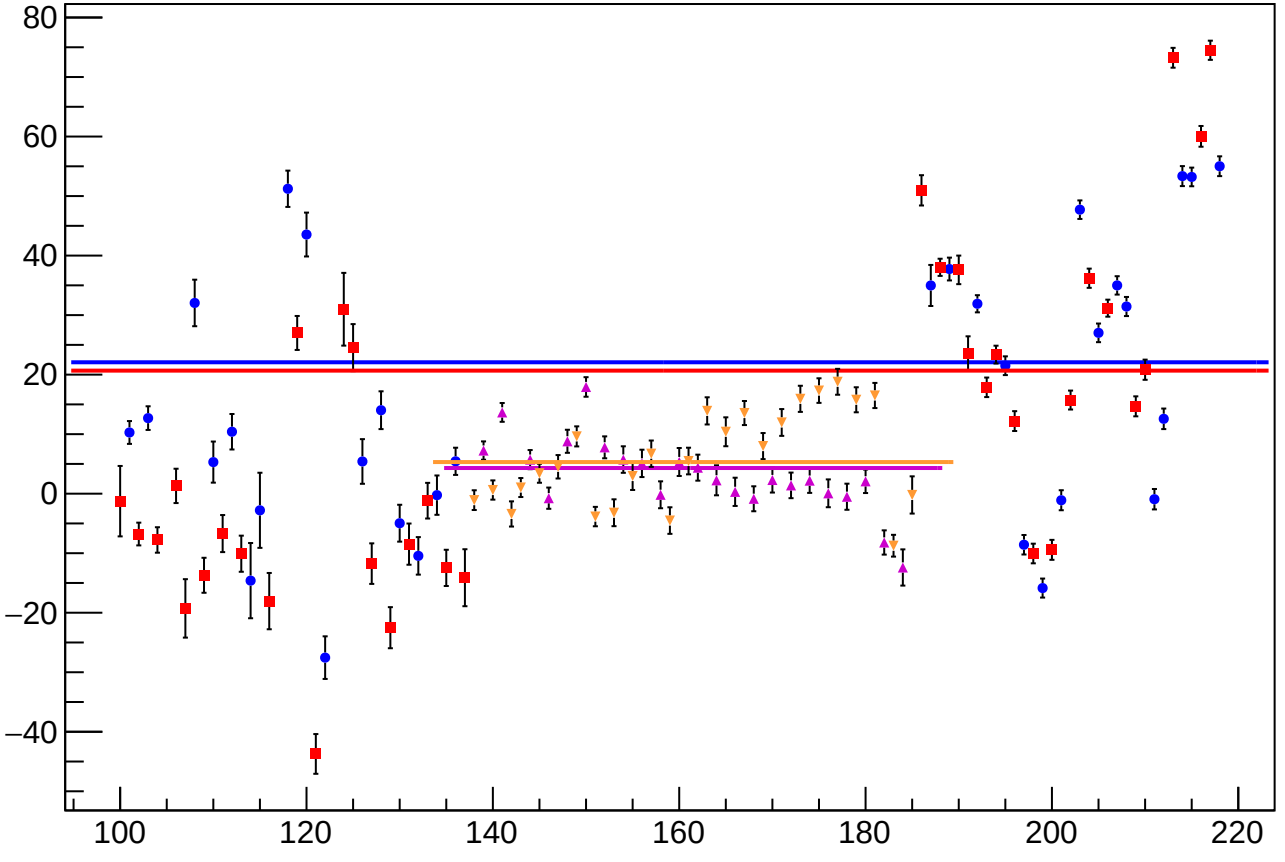
Left In: 6285.058+/-1.046 χ^2/NDF:265370.2/22

+ sign 5660.138+/-0.646 χ^2/NDF: 1686231.4/56

All: 5640.254+/-0.457 χ^2/NDF: 3440454.7/11

- sign 5620.374+/-0.646 χ^2/NDF: 1752331.4/58

diff_bpm0l05Y_mean vs Slug



Right In: 22.077+/-0.364 χ^2/NDF: 3740.8/31

Left Out: 5.313+/-0.400 χ^2/NDF:378.1/24

Right Out: 20.674+/-0.359 χ^2/NDF: 5643.9/35

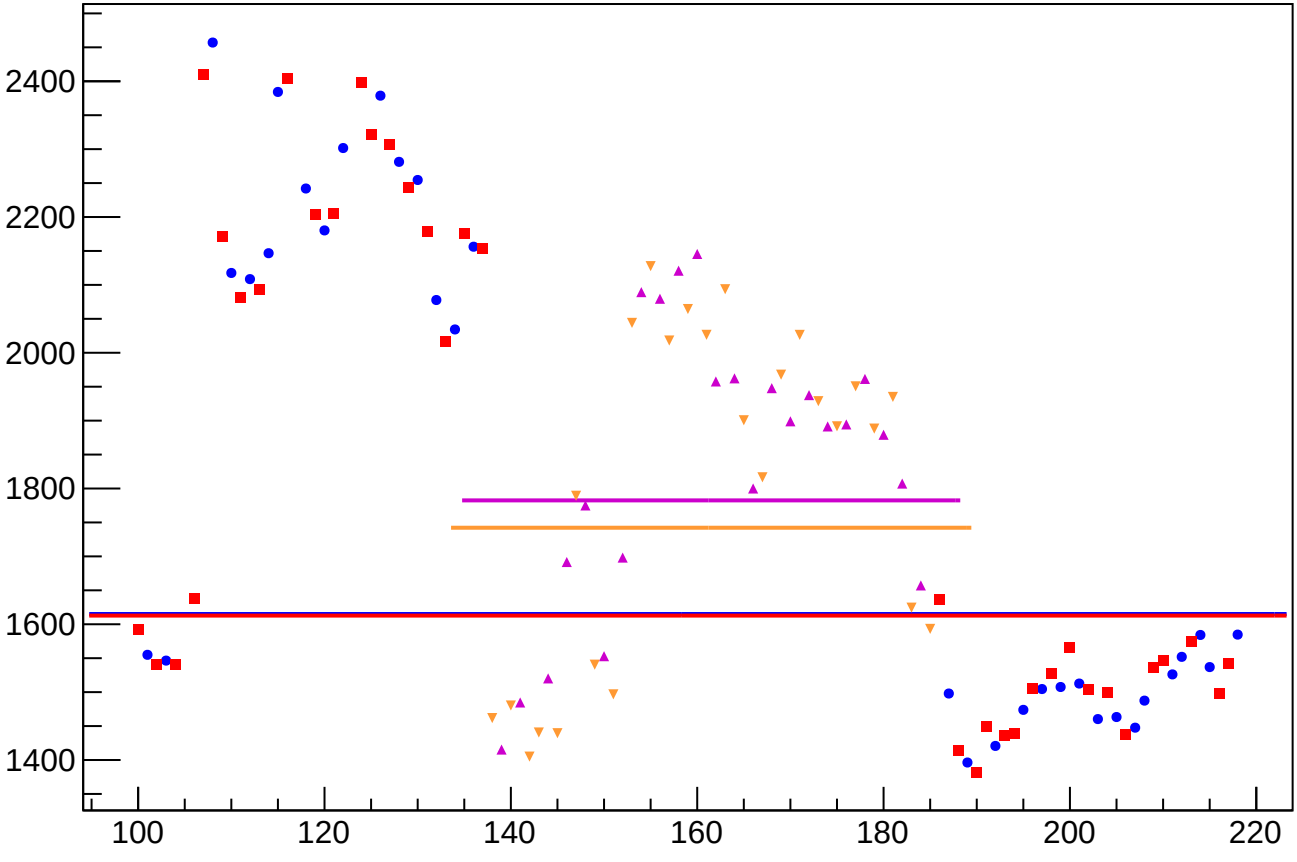
Left In: 4.310+/-0.420 χ^2/NDF:220.4/22

+ sign 14.486+/-0.269 χ^2/NDF: 5078.4/56

All: 14.130+/-0.192 χ^2/NDF: 11822.9/115

- sign 13.764+/-0.273 χ^2/NDF: 6741.0/58

diff_bpm0l05Y_rms vs Slug



Right In: 1615.070+/-0.258 χ^2/NDF: 1082432.9/31

Left Out: 1742.217+/-0.283 χ^2/NDF:767663.9/24

Right Out: 1612.782+/-0.254 χ^2/NDF: 1059997.8/35

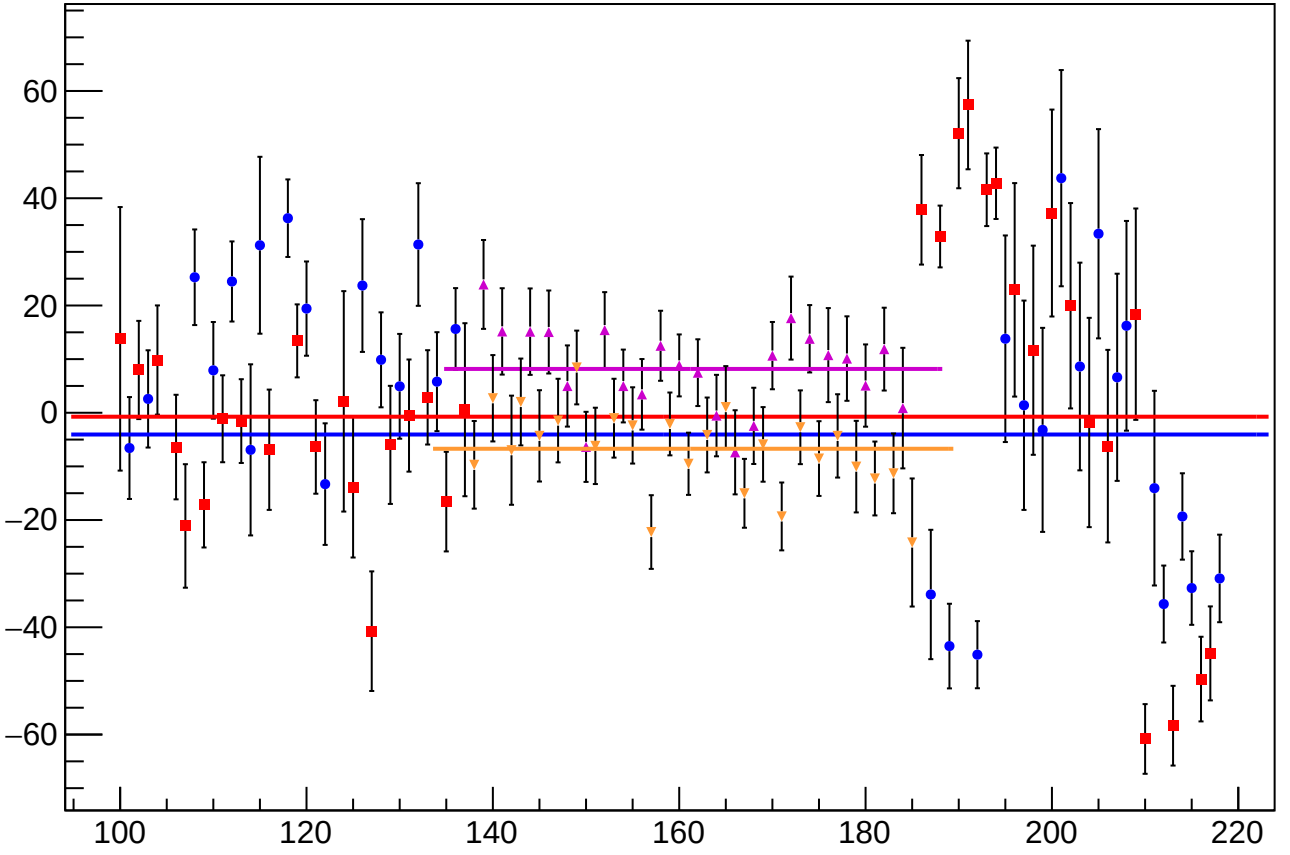
Left In: 1782.502+/-0.297 χ^2/NDF:534374.9/22

+ sign 1672.639+/-0.190 χ^2/NDF: 1960486.2/56

All: 1678.468+/-0.136 χ^2/NDF: 3745355.3/11

- sign 1684.452+/-0.193 χ^2/NDF: 1782971.6/58

diff_bpm0l06X_mean vs Slug



Right In: -4.055+/-1.758 χ^2/NDF: 234.8/31

Left Out: -6.713+/-1.458 χ^2/NDF:25.7/24

Right Out: -0.736+/-1.614 χ^2/NDF: 429.7/35

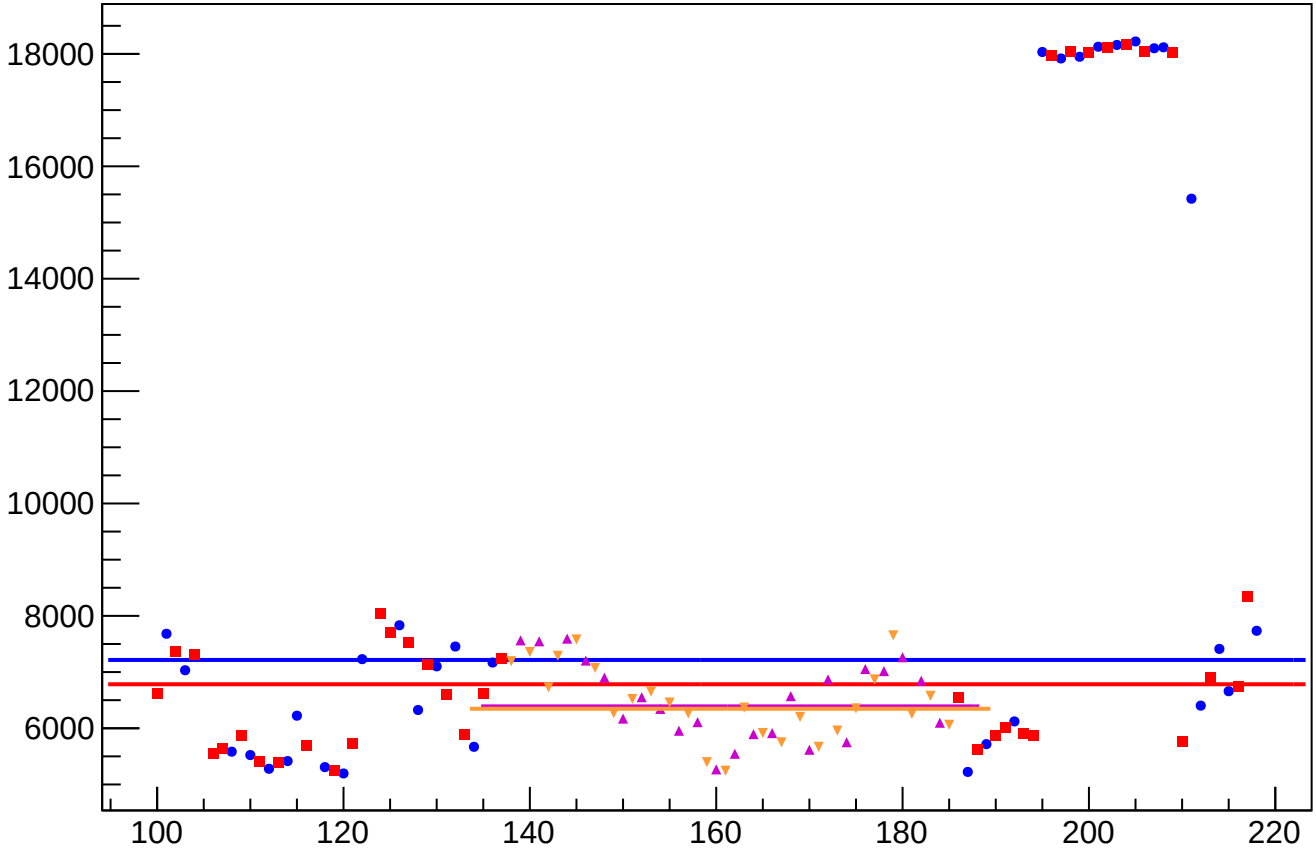
Left In: 8.171+/-1.510 χ^2/NDF:24.2/22

+ sign -5.630+/-1.122 χ^2/NDF: 261.8/56

All: -0.724+/-0.787 χ^2/NDF: 769.5/115

- sign 4.015+/-1.103 χ^2/NDF: 470.1/58

diff_bpm0l06X_rms vs Slug



Right In: 7215.658+/-1.243 χ^2/NDF: 6270157.9/31

Left Out: 6347.287+/-1.031 χ^2/NDF:386025.6/24

Right Out: 6782.884+/-1.142 χ^2/NDF: 5500600.5/35

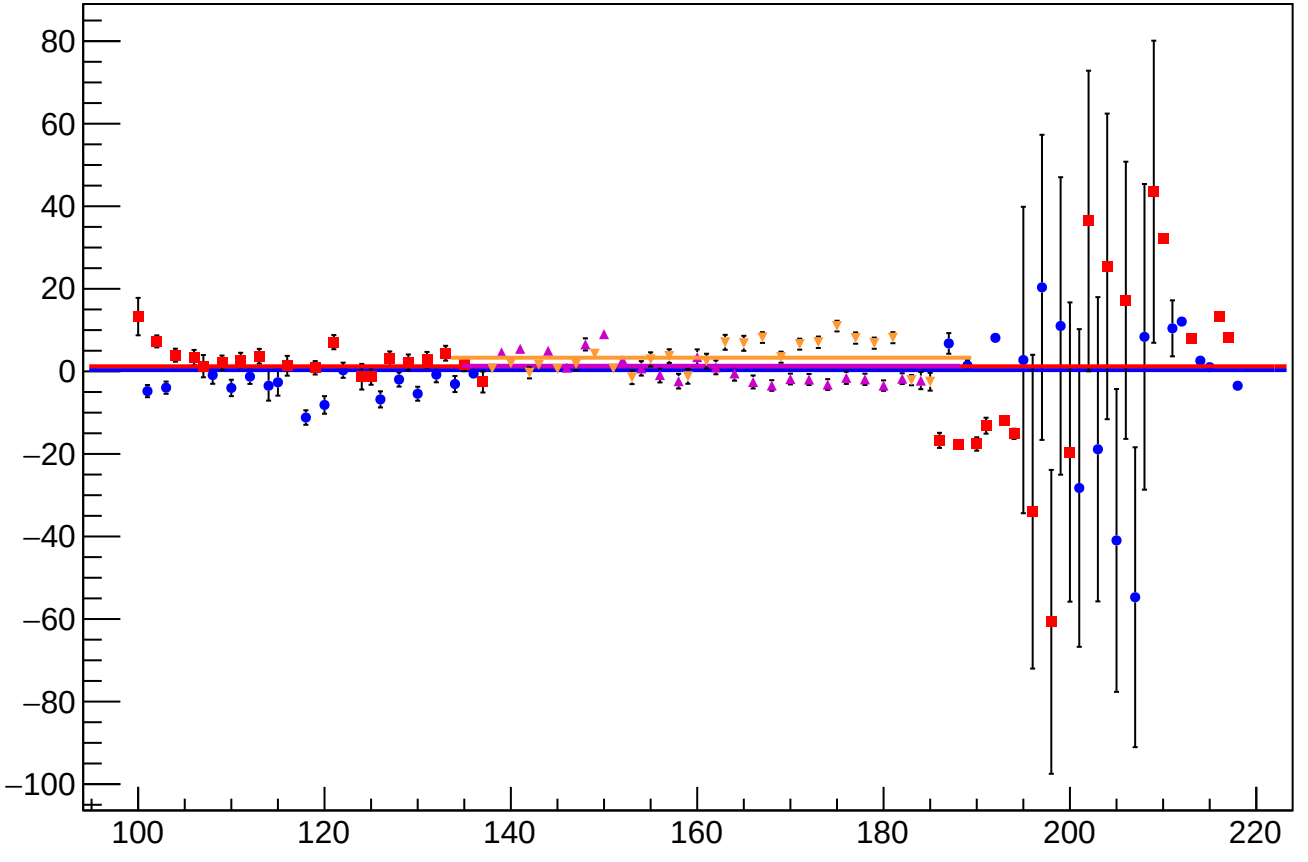
Left In: 6389.425+/-1.068 χ^2/NDF:419756.4/22

+ sign 6701.147+/-0.793 χ^2/NDF: 6945381.8/56

All: 6635.969+/-0.556 χ^2/NDF: 12942368.5/1

- sign 6573.015+/-0.780 χ^2/NDF: 5983721.0/58

diff_bpm0l06Y_mean vs Slug



Right In: 0.308+/-0.309 χ^2/NDF: 323.7/31

Left Out: 3.311+/-0.264 χ^2/NDF:177.9/24

Right Out: 1.228+/-0.287 χ^2/NDF: 1881.6/35

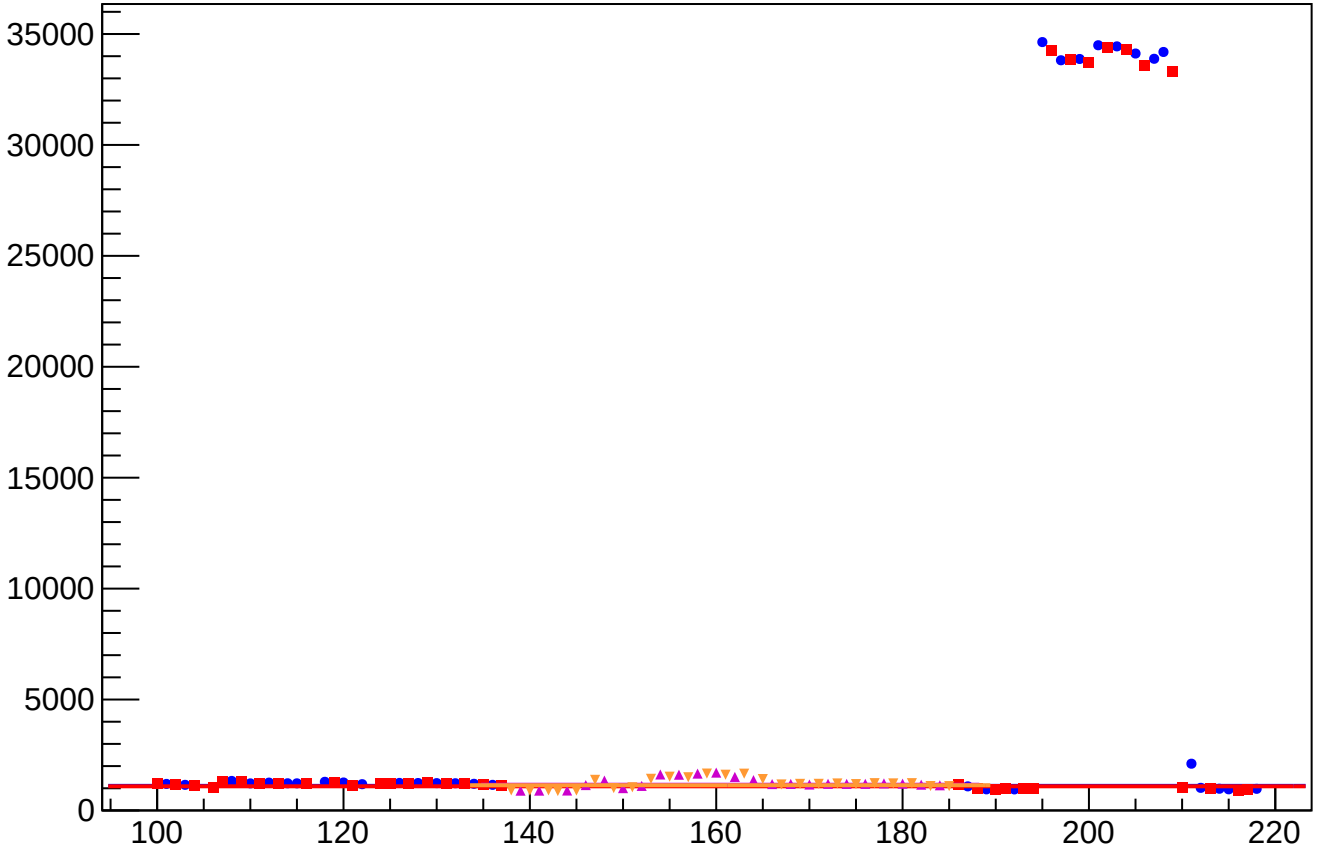
Left In: 1.355+/-0.277 χ^2/NDF:196.3/22

+ sign 2.042+/-0.201 χ^2/NDF: 556.1/56

All: 1.665+/-0.141 χ^2/NDF: 2641.0/115

- sign 1.294+/-0.199 χ^2/NDF: 2077.9/58

diff_bpm0l06Y_rms vs Slug



Right In: 1108.220+/-0.219 χ^2/NDF: 13228982.2/31

Left Out: 1137.150+/-0.187 χ^2/NDF:1469686.1/24

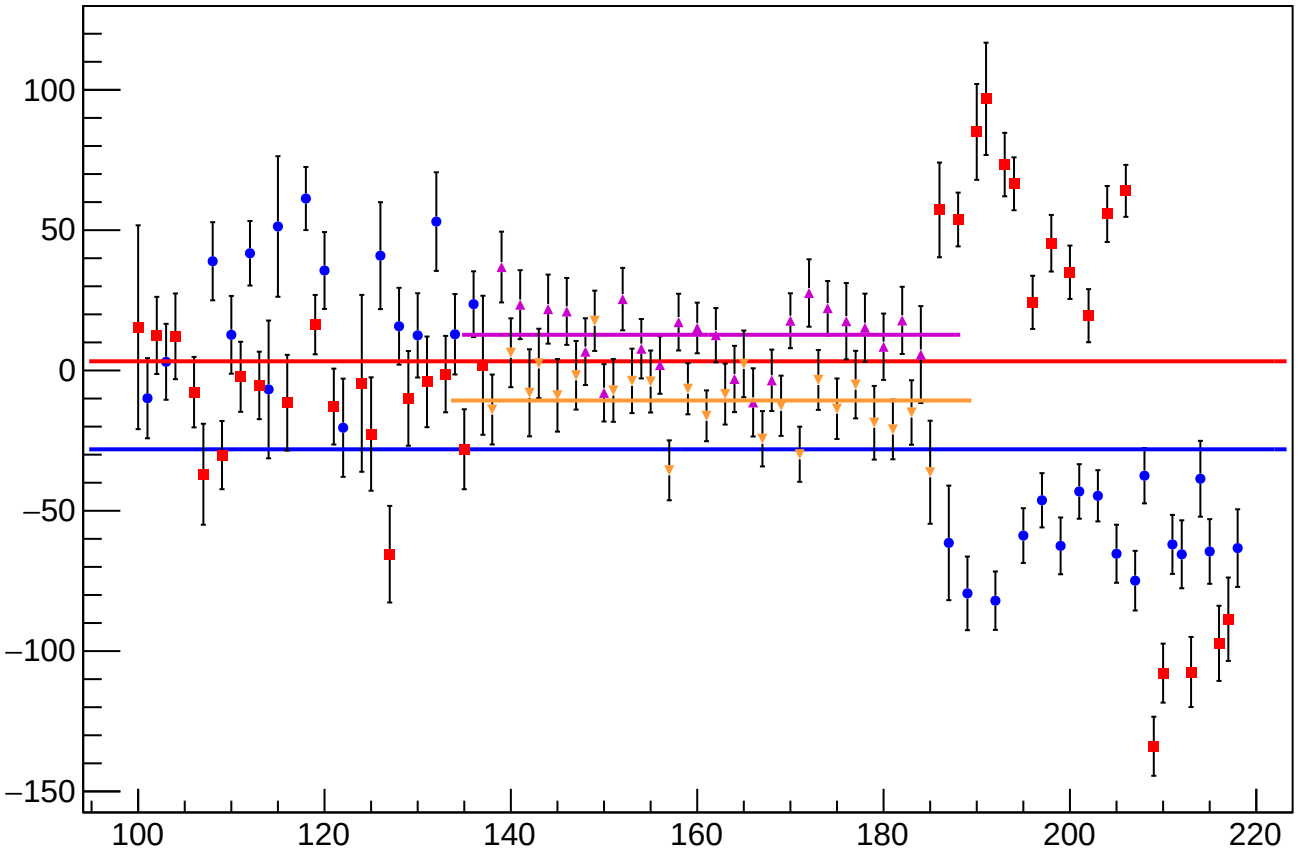
Right Out: 1088.622+/-0.203 χ^2/NDF: 11815549.2/35

Left In: 1159.432+/-0.196 χ^2/NDF:1259793.6/22

+ sign 1124.929+/-0.142 χ^2/NDF: 14708780.1/56

All: 1125.129+/-0.100 χ^2/NDF: 27847228.7/1

- sign 1125.326+/-0.141 χ^2/NDF: 13138444.6/58



Right In: -28.095+/-2.185 χ^2/NDF: 397.0/31

Left Out: -10.696+/-2.257 χ^2/NDF:28.7/24

Right Out: 3.275+/-2.119 χ^2/NDF: 770.1/35

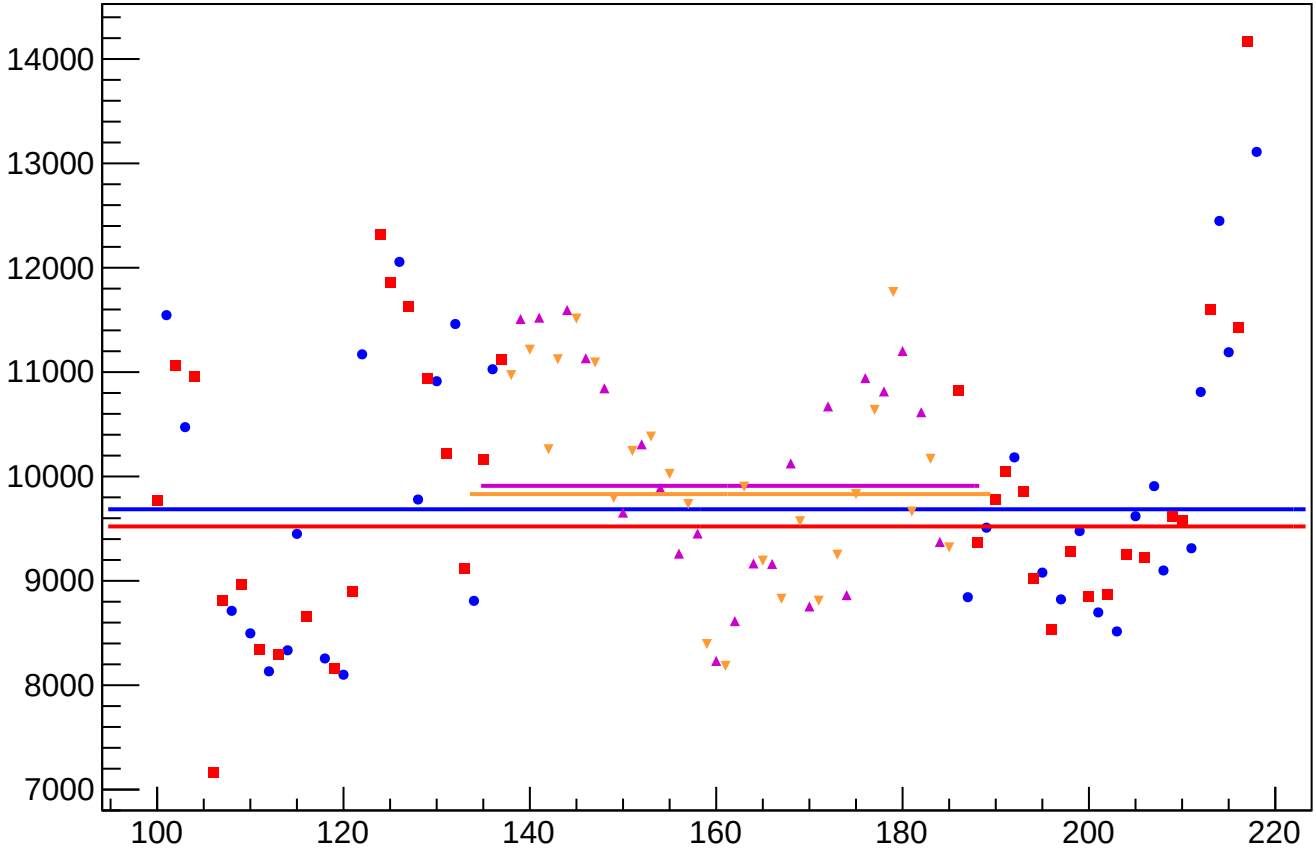
Left In: 12.719+/-2.341 χ^2/NDF:24.0/22

+ sign -19.681+/-1.570 χ^2/NDF: 456.4/56

All: -6.086+/-1.110 χ^2/NDF: 1409.5/115

- sign 7.528+/-1.571 χ^2/NDF: 803.1/58

diff_bpm0l07X_rms vs Slug



Right In: 9685.785+/-1.545 χ^2/NDF: 634361.0/31

Left Out: 9831.301+/-1.596 χ^2/NDF:356125.1/24

Right Out: 9521.147+/-1.498 χ^2/NDF: 665469.1/35

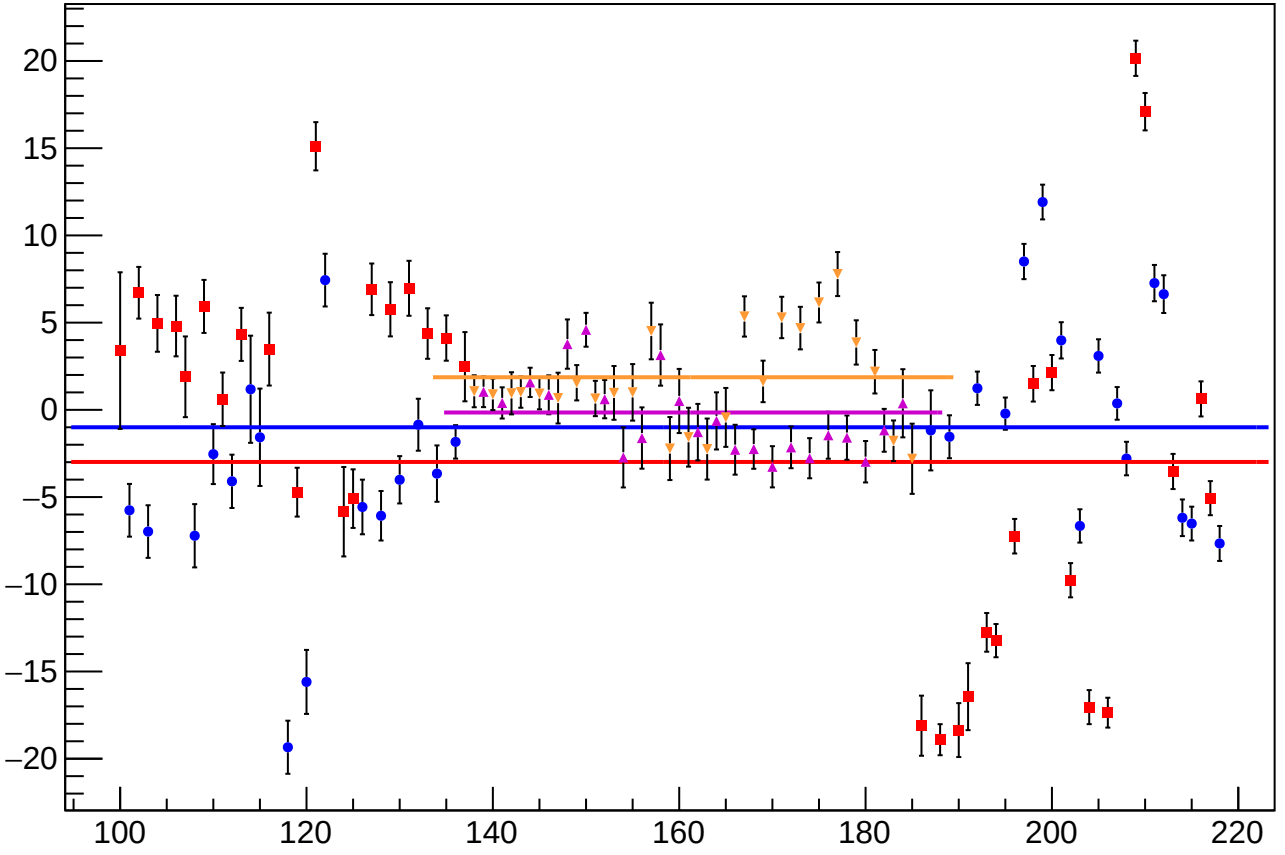
Left In: 9910.300+/-1.655 χ^2/NDF:389368.1/22

+ sign 9756.162+/-1.110 χ^2/NDF: 994778.0/56

All: 9726.306+/-0.785 χ^2/NDF: 2081443.9/11

- sign 9696.405+/-1.111 χ^2/NDF: 1085217.8/58

diff_bpm0l07Y_mean vs Slug



Right In: -0.999+/-0.214 χ^2/NDF: 870.8/31

Left Out: 1.869+/-0.243 χ^2/NDF:103.2/24

Right Out: -2.987+/-0.211 χ^2/NDF: 2753.9/35

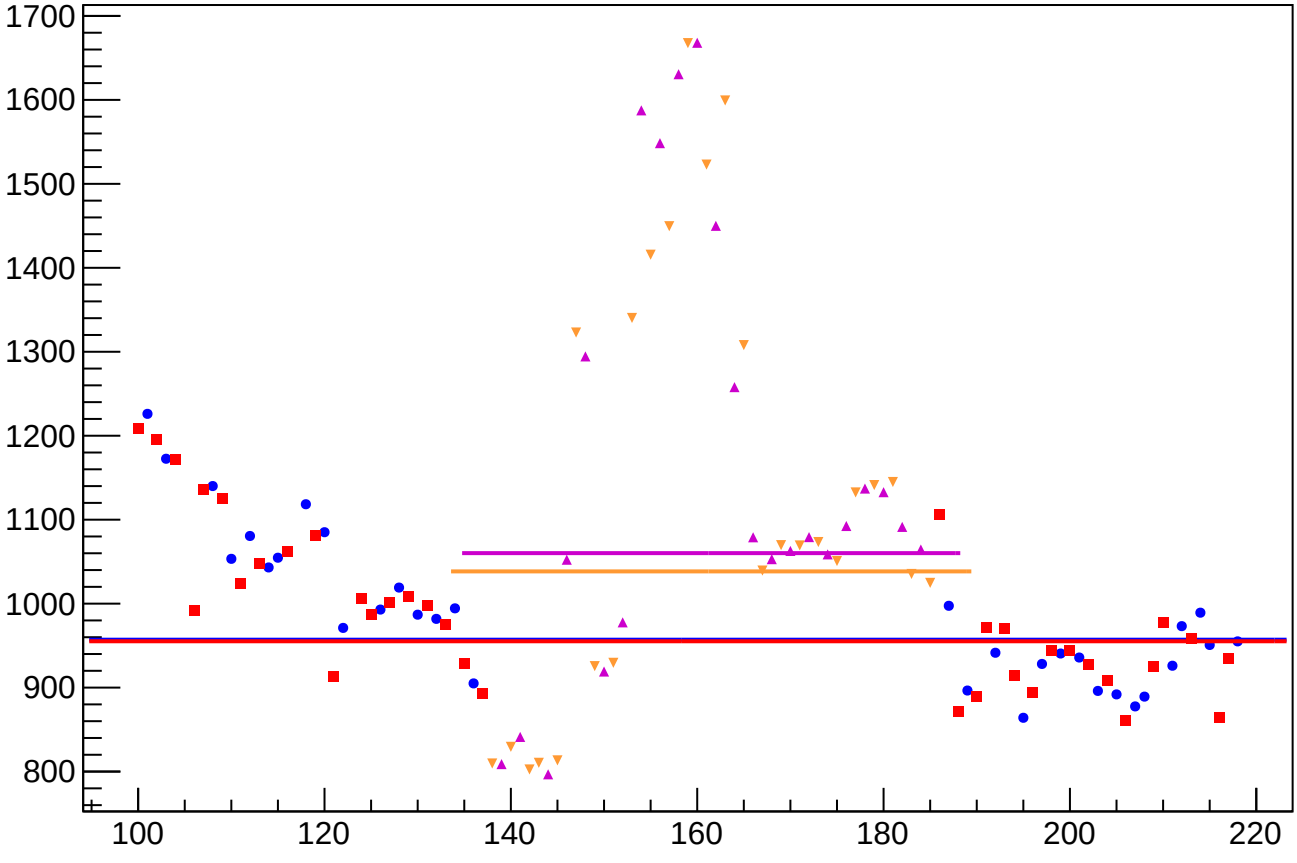
Left In: -0.152+/-0.254 χ^2/NDF:75.7/22

+ sign 0.253+/-0.160 χ^2/NDF: 1052.6/56

All: -0.778+/-0.114 χ^2/NDF: 4039.6/115

- sign -1.835+/-0.162 χ^2/NDF: 2903.2/58

diff_bpm0l07Y_rms vs Slug



Right In: 957.056+/-0.151 χ^2/NDF: 269006.8/31

Left Out: 1038.406+/-0.172 χ^2/NDF:1706682.8/24

Right Out: 955.180+/-0.149 χ^2/NDF: 276963.5/35

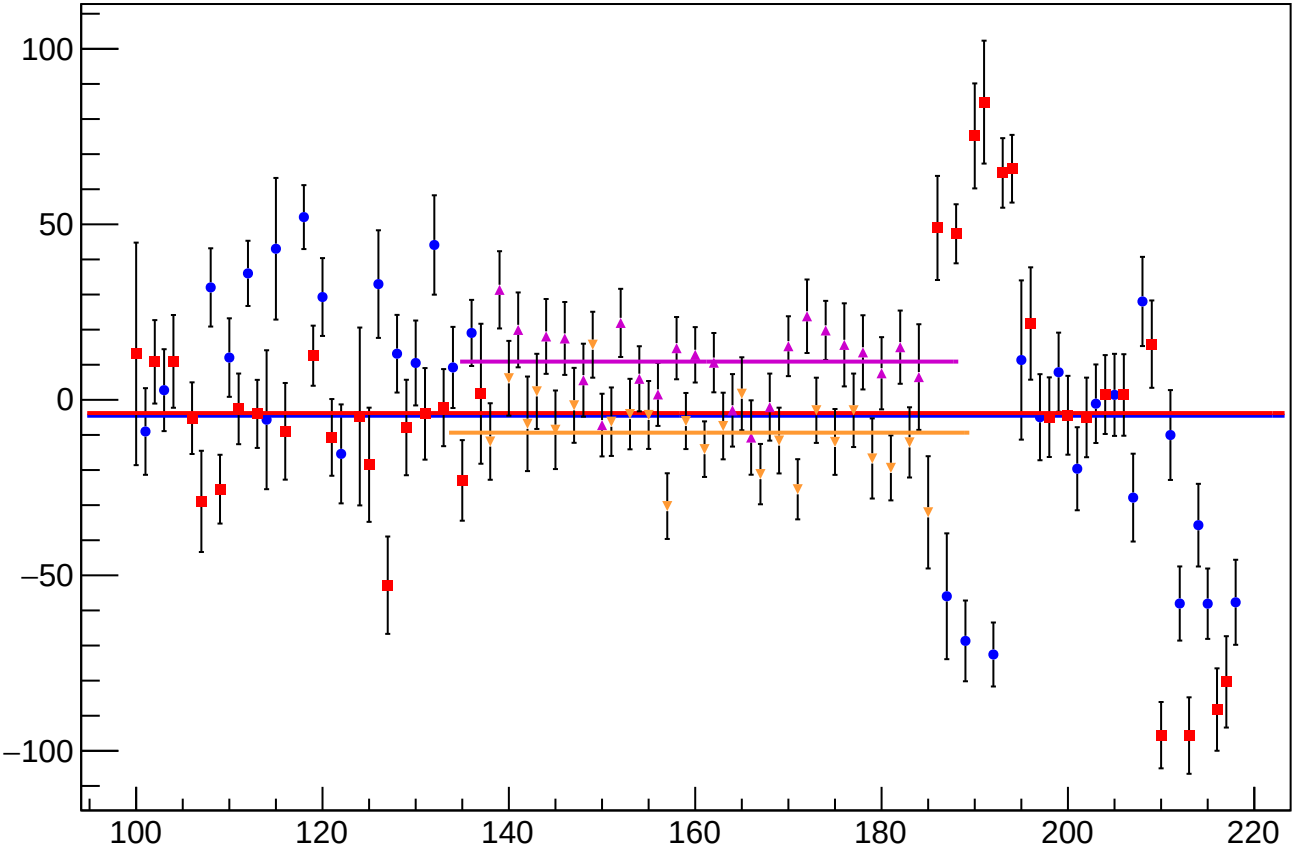
Left In: 1060.162+/-0.180 χ^2/NDF:1523219.9/22

+ sign 992.581+/-0.113 χ^2/NDF: 2102318.0/56

All: 995.185+/-0.081 χ^2/NDF: 4105585.9/115

- sign 997.852+/-0.115 χ^2/NDF: 2002200.1/58

diff_bpm0l08X_mean vs Slug



Right In: -4.527+/-2.094 χ^2/NDF: 305.5/31

Left Out: -9.355+/-1.969 χ^2/NDF:28.5/24

Right Out: -3.770+/-1.977 χ^2/NDF: 491.5/35

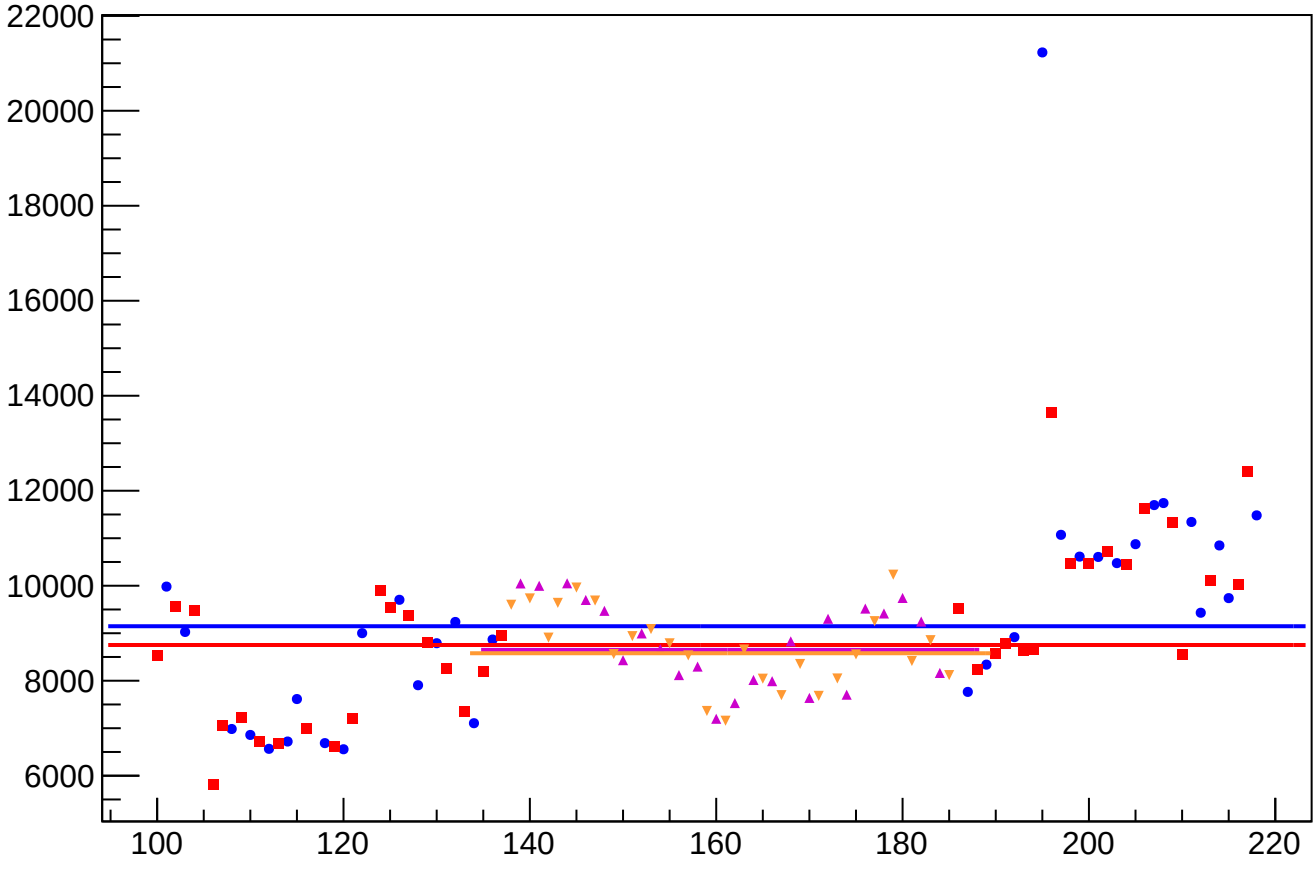
Left In: 10.892+/-2.043 χ^2/NDF:23.6/22

+ sign -7.090+/-1.435 χ^2/NDF: 336.9/56

All: -1.832+/-1.009 χ^2/NDF: 905.2/115

- sign 3.321+/-1.420 χ^2/NDF: 541.7/58

diff_bpm0l08X_rms vs Slug



Right In: 9147.248+/-1.481 χ^2/NDF: 1838707.9/31

Left Out: 8578.396+/-1.392 χ^2/NDF:343721.1/24

Right Out: 8752.216+/-1.398 χ^2/NDF: 1500543.5/35

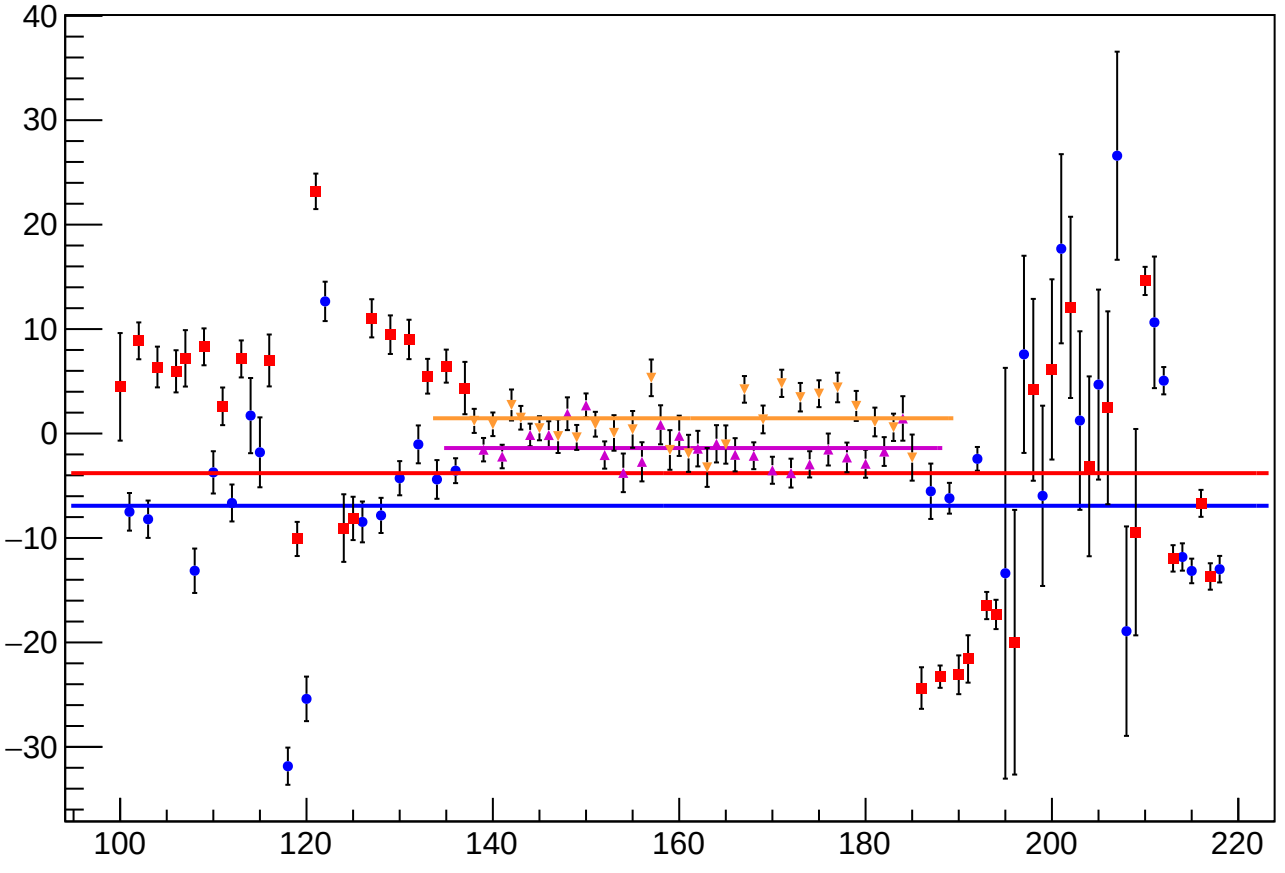
Left In: 8649.232+/-1.444 χ^2/NDF:377932.0/22

+ sign 8845.326+/-1.014 χ^2/NDF: 2260745.4/56

All: 8773.159+/-0.714 χ^2/NDF: 4151869.0/11

- sign 8702.408+/-1.004 χ^2/NDF: 1881100.8/58

diff_bpm0l08Y_mean vs Slug



Right In: -6.916+/-0.340 χ^2/NDF: 620.5/31

Left Out: 1.461+/-0.281 χ^2/NDF:51.0/24

Right Out: -3.793+/-0.314 χ^2/NDF: 1857.1/35

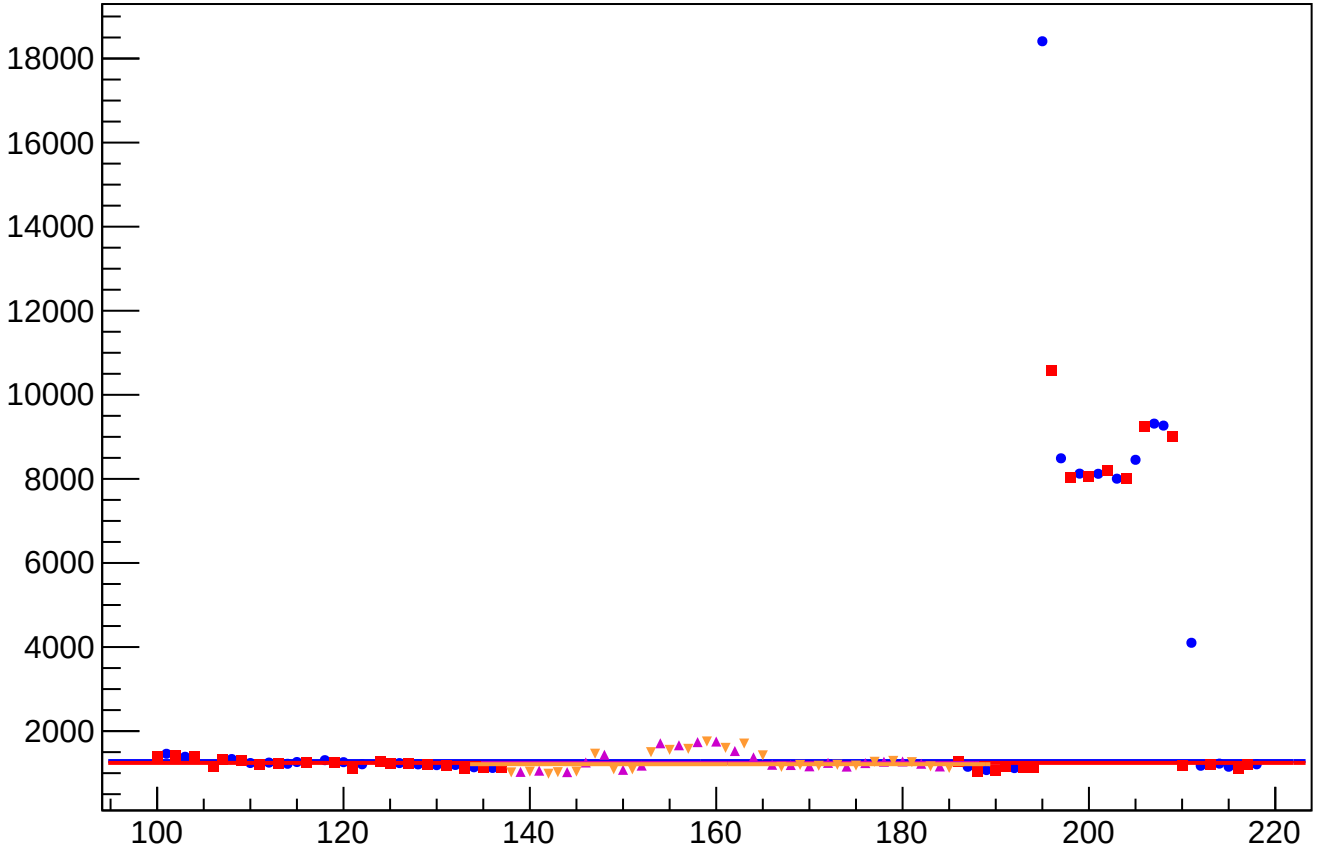
Left In: -1.390+/-0.294 χ^2/NDF:35.5/22

+ sign -1.938+/-0.216 χ^2/NDF: 1033.3/56

All: -2.228+/-0.152 χ^2/NDF: 2960.7/115

- sign -2.514+/-0.215 χ^2/NDF: 1923.8/58

diff_bpm0l08Y_rms vs Slug



Right In: 1287.505+/-0.240 χ^2/NDF: 10761895.5/31

Left Out: 1213.262+/-0.198 χ^2/NDF:1012762.9/24

Right Out: 1244.031+/-0.222 χ^2/NDF: 9033201.1/35

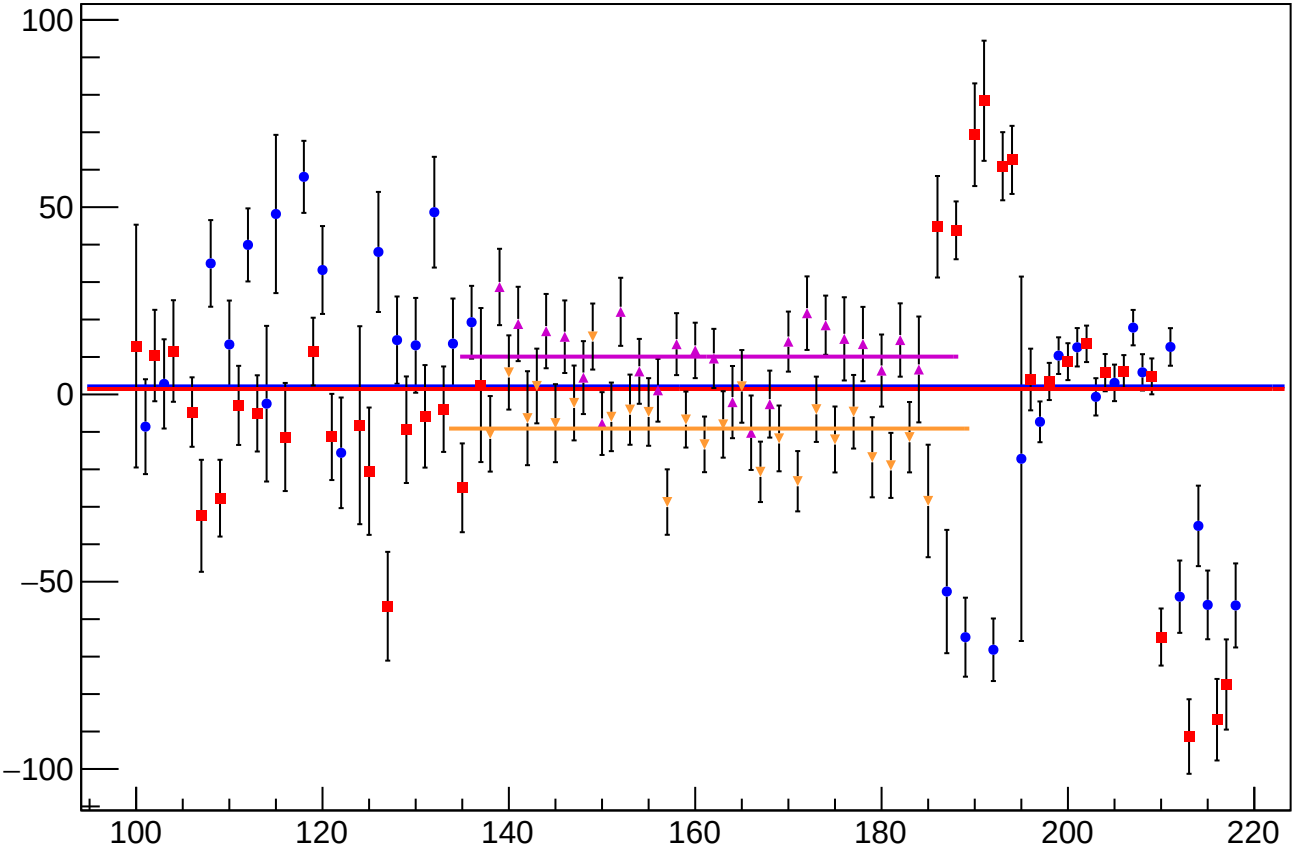
Left In: 1239.174+/-0.208 χ^2/NDF:885596.7/22

+ sign 1243.384+/-0.153 χ^2/NDF: 11831492.7/56

All: 1242.408+/-0.108 χ^2/NDF: 21750626.2/1

- sign 1241.446+/-0.152 χ^2/NDF: 9919052.7/58

diff_bpm0l09X_mean vs Slug



Right In: 2.146+/-1.422 χ^2/NDF: 354.8/31

Left Out: -9.114+/-1.842 χ^2/NDF:28.8/24

Right Out: 1.455+/-1.425 χ^2/NDF: 500.6/35

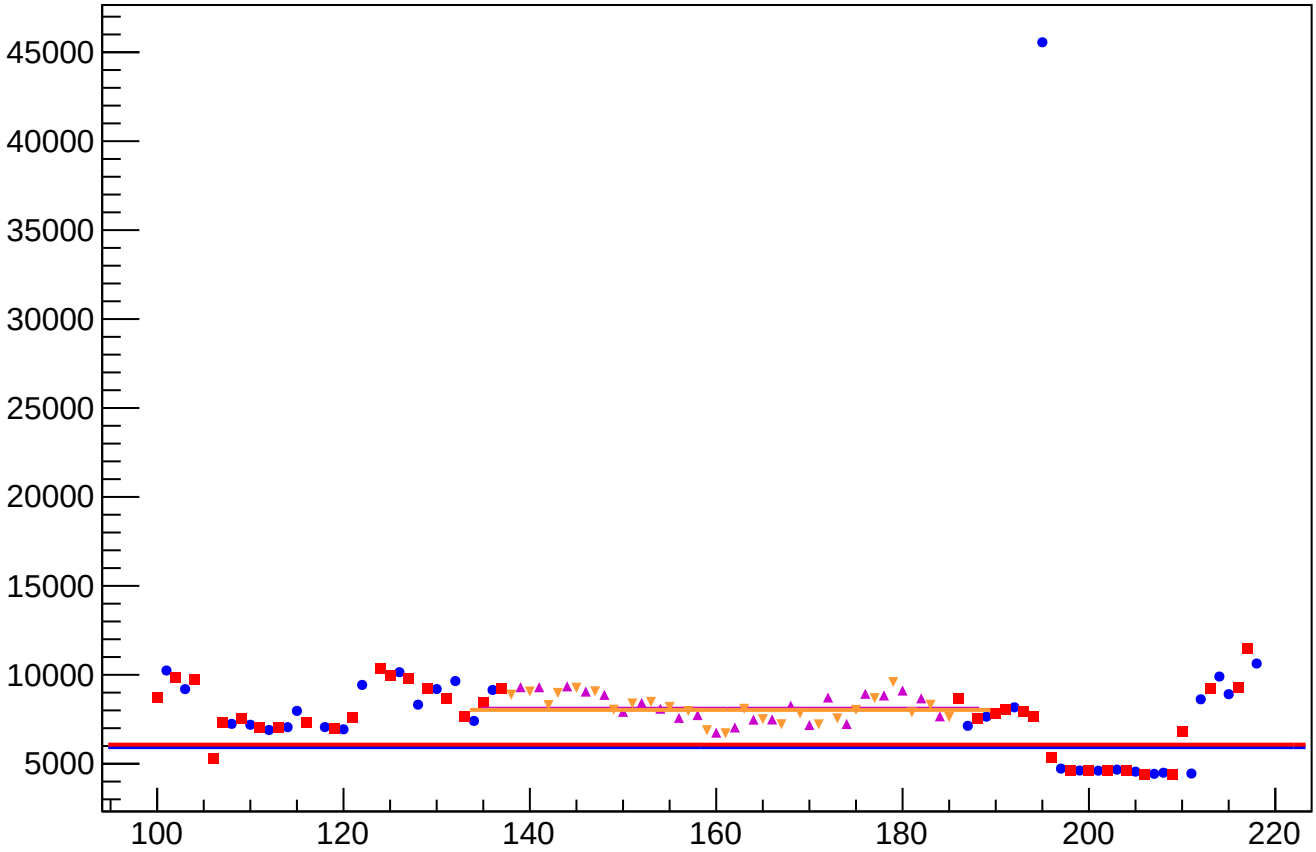
Left In: 10.095+/-1.911 χ^2/NDF:24.3/22

\+ sign -2.056+/-1.125 χ^2/NDF: 407.0/56

All: 1.194+/-0.802 χ^2/NDF: 961.9/115

\- sign 4.541+/-1.142 χ^2/NDF: 538.0/58

diff_bpm0l09X_rms vs Slug



Right In: 5933.633+/-1.005 χ^2/NDF: 5099122.1/31

Left Out: 8028.056+/-1.303 χ^2/NDF:332457.9/24

Right Out: 6074.212+/-1.007 χ^2/NDF: 3571771.0/35

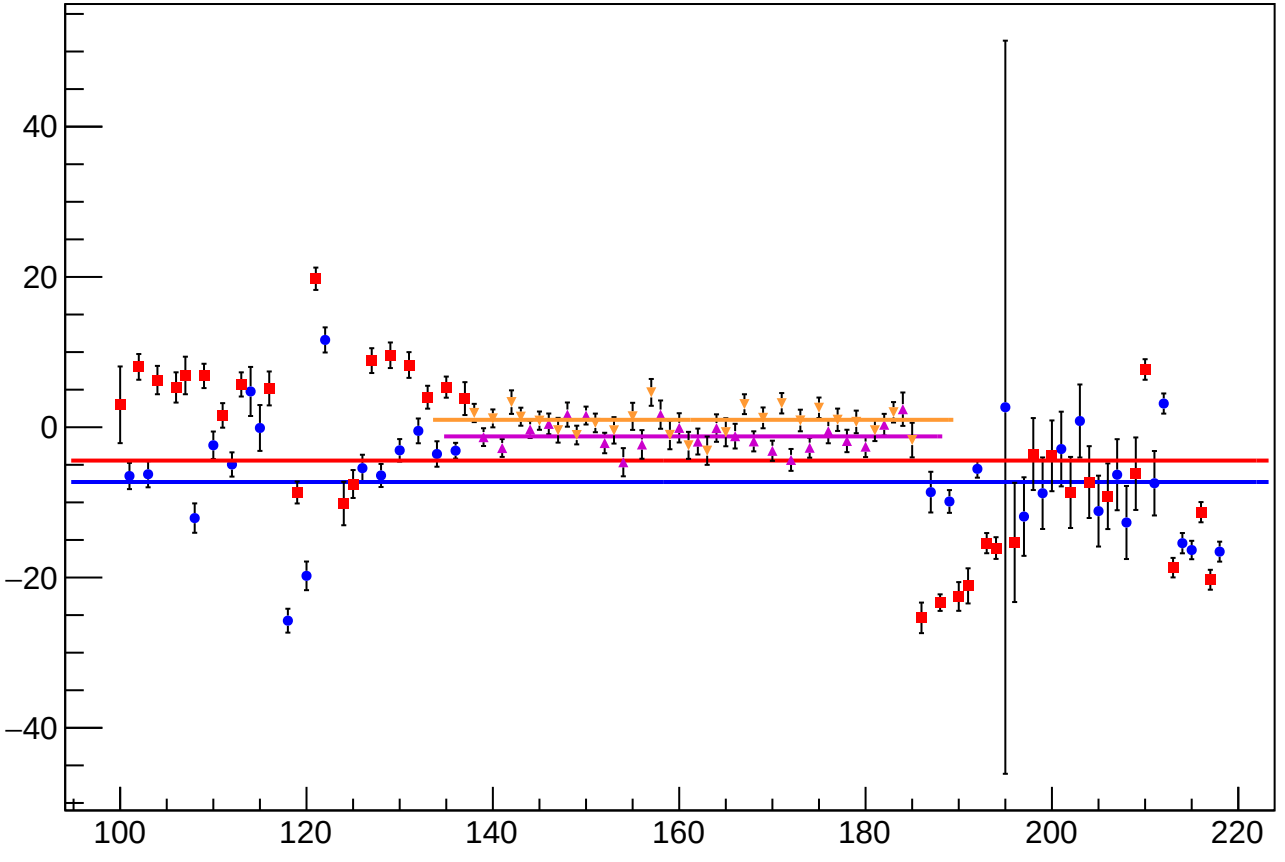
Left In: 8095.368+/-1.351 χ^2/NDF:367451.5/22

+ sign 6715.184+/-0.796 χ^2/NDF: 7051603.4/56

All: 6755.074+/-0.567 χ^2/NDF: 12433610.2/1

- sign 6796.162+/-0.808 χ^2/NDF: 5376906.9/58

diff_bpm0l09Y_mean vs Slug



Right In: -7.287+/-0.322 χ^2/NDF: 599.9/31

Left Out: 0.988+/-0.292 χ^2/NDF:31.0/24

Right Out: -4.435+/-0.301 χ^2/NDF: 1857.3/35

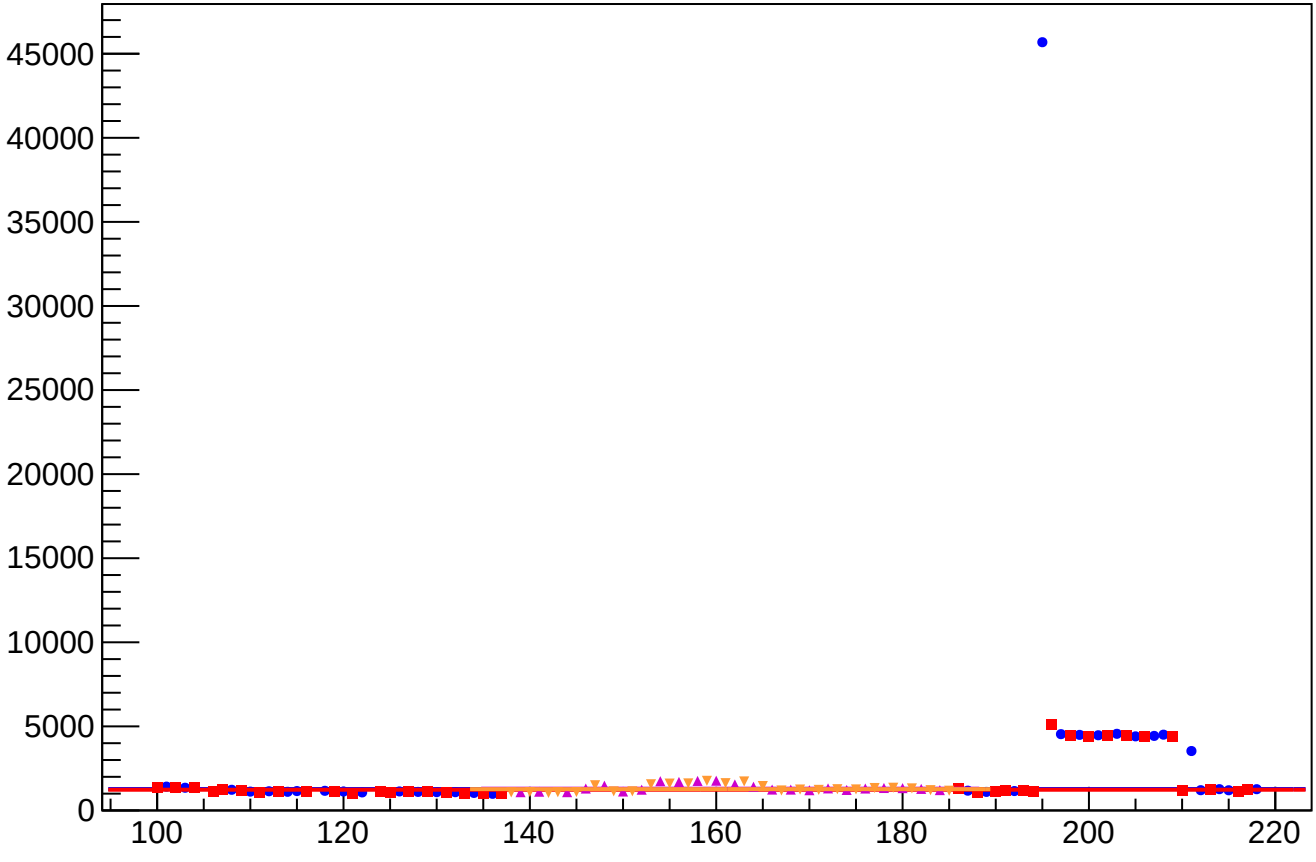
Left In: -1.219+/-0.307 χ^2/NDF:33.1/22

\+ sign -2.749+/-0.217 χ^2/NDF: 992.7/56

All: -2.803+/-0.152 χ^2/NDF: 2939.2/115

\- sign -2.856+/-0.215 χ^2/NDF: 1946.4/58

diff_bpm0l09Y_rms vs Slug



Right In: 1273.052+/-0.228 χ^2/NDF: 8754471.1/31

Left Out: 1267.405+/-0.207 χ^2/NDF:878431.8/24

Right Out: 1232.836+/-0.213 χ^2/NDF: 6410996.5/35

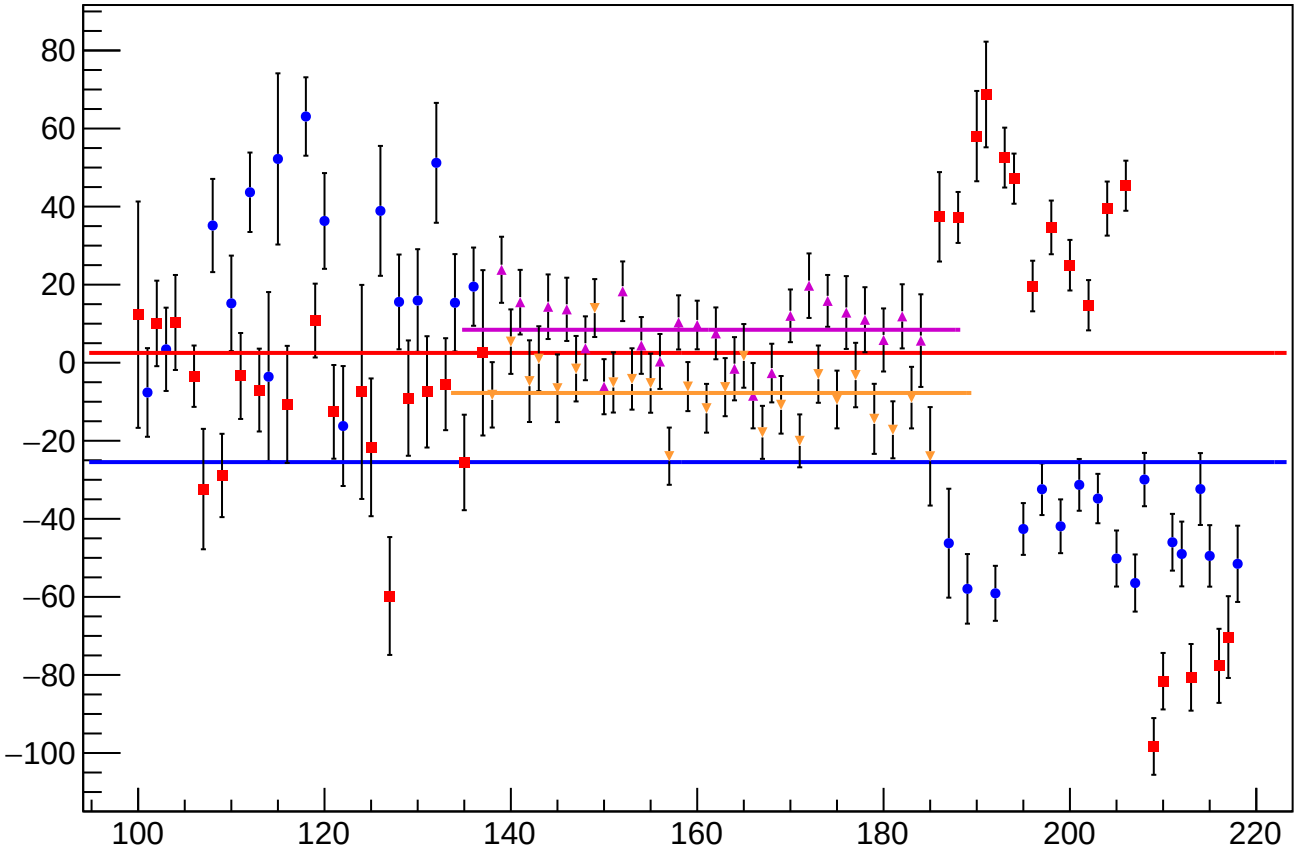
Left In: 1294.076+/-0.217 χ^2/NDF:758193.5/22

+ sign 1269.955+/-0.153 χ^2/NDF: 9633239.9/56

All: 1266.401+/-0.108 χ^2/NDF: 16844123.1/1

- sign 1262.903+/-0.152 χ^2/NDF: 7209813.9/58

diff_bpm0l10X_mean vs Slug



Right In: -25.467+/-1.611 χ^2/NDF: 419.6/31

Left Out: -7.752+/-1.547 χ^2/NDF:30.4/24

Right Out: 2.508+/-1.553 χ^2/NDF: 880.4/35

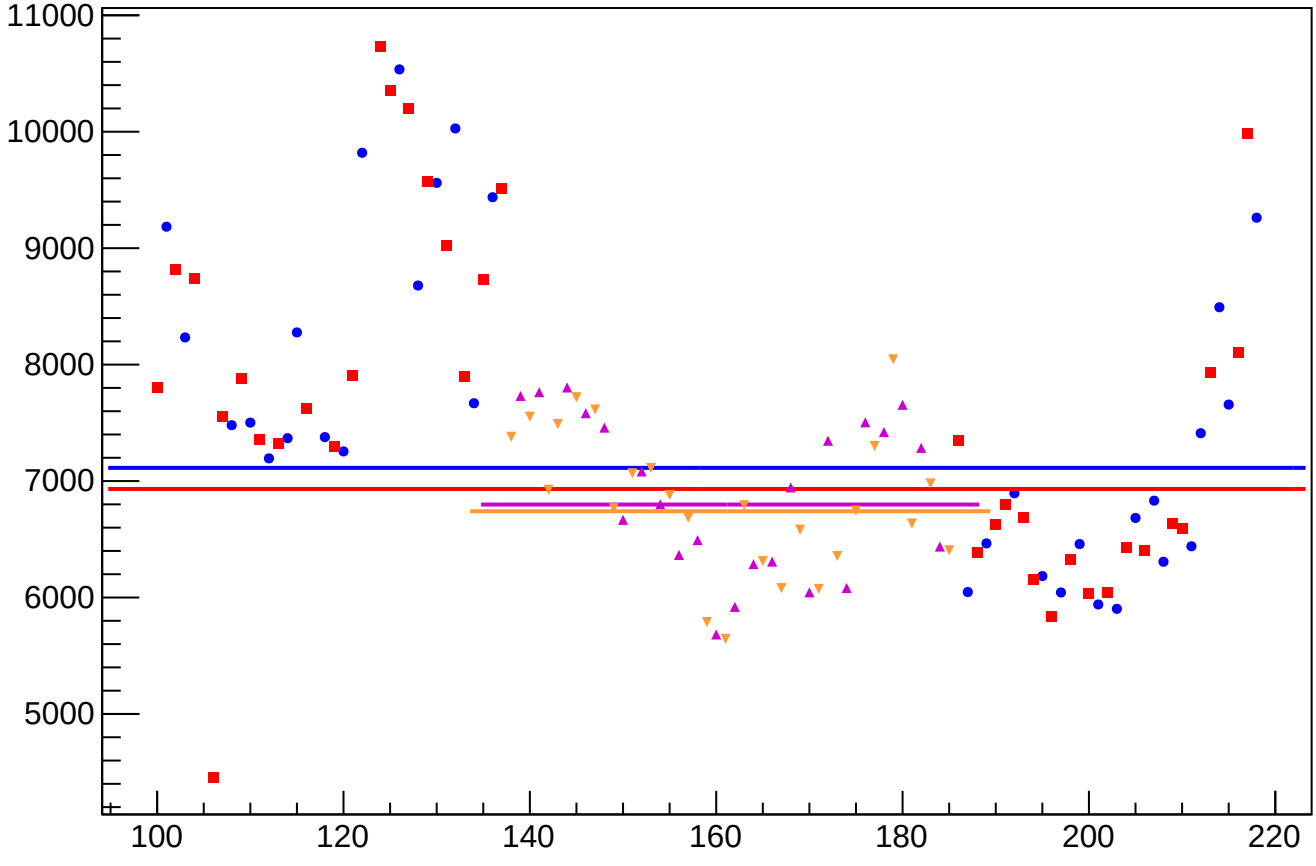
Left In: 8.438+/-1.605 χ^2/NDF:24.8/22

+ sign -16.246+/-1.116 χ^2/NDF: 512.9/56

All: -5.435+/-0.789 χ^2/NDF: 1613.0/115

- sign 5.375+/-1.116 χ^2/NDF: 912.3/58

diff_bpm0l10X_rms vs Slug



Right In: 7113.452+/-1.139 χ^2/NDF: 1010921.4/31

Left Out: 6740.835+/-1.094 χ^2/NDF:316707.6/24

Right Out: 6932.354+/-1.098 χ^2/NDF: 1207607.2/35

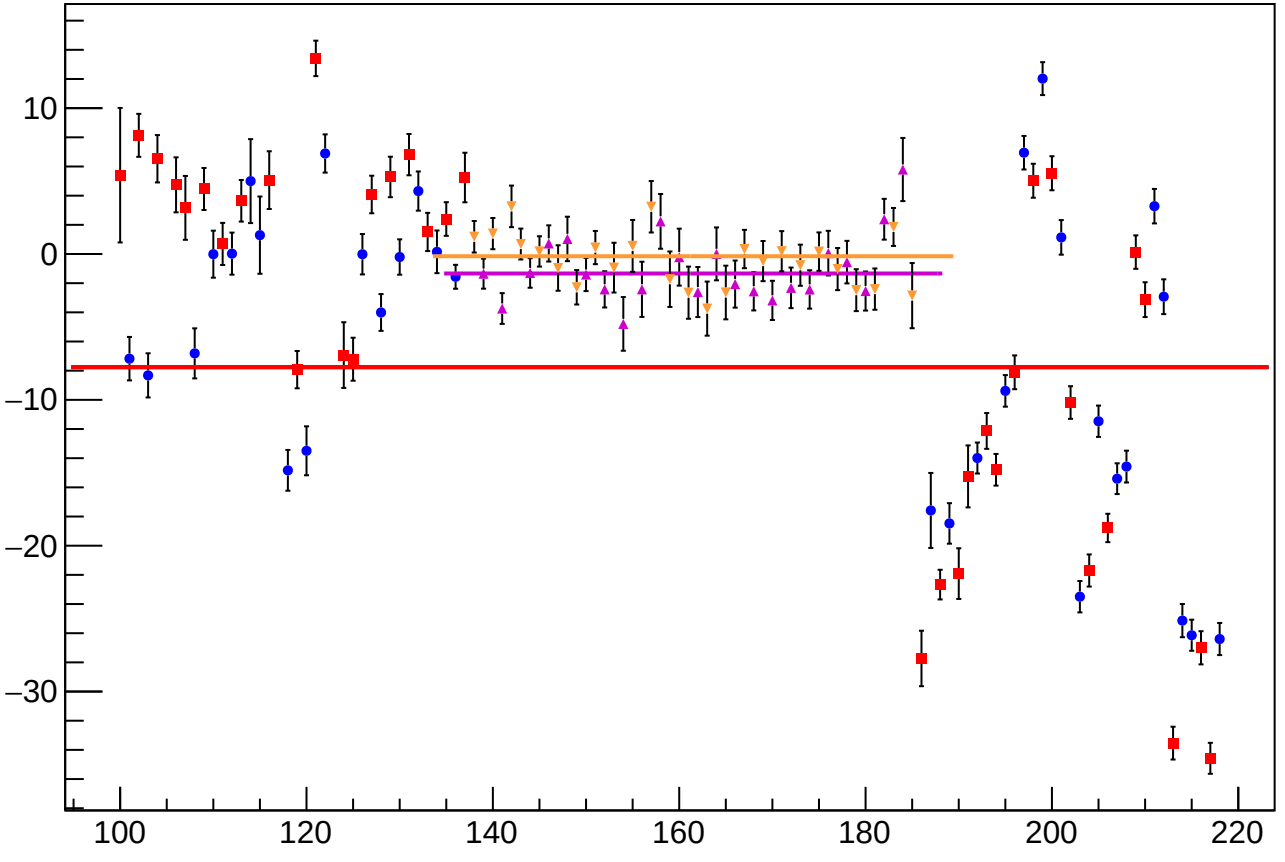
Left In: 6798.524+/-1.135 χ^2/NDF:353277.6/22

+ sign 6919.495+/-0.789 χ^2/NDF: 1383291.3/56

All: 6893.568+/-0.558 χ^2/NDF: 2953520.6/11

- sign 6867.641+/-0.789 χ^2/NDF: 1568069.7/58

diff_bpm0l10Y_mean vs Slug



Right In: -7.767+/-0.223 χ^2/NDF: 2368.4/31

Left Out: -0.152+/-0.277 χ^2/NDF:36.1/24

Right Out: -7.747+/-0.221 χ^2/NDF: 3767.1/35

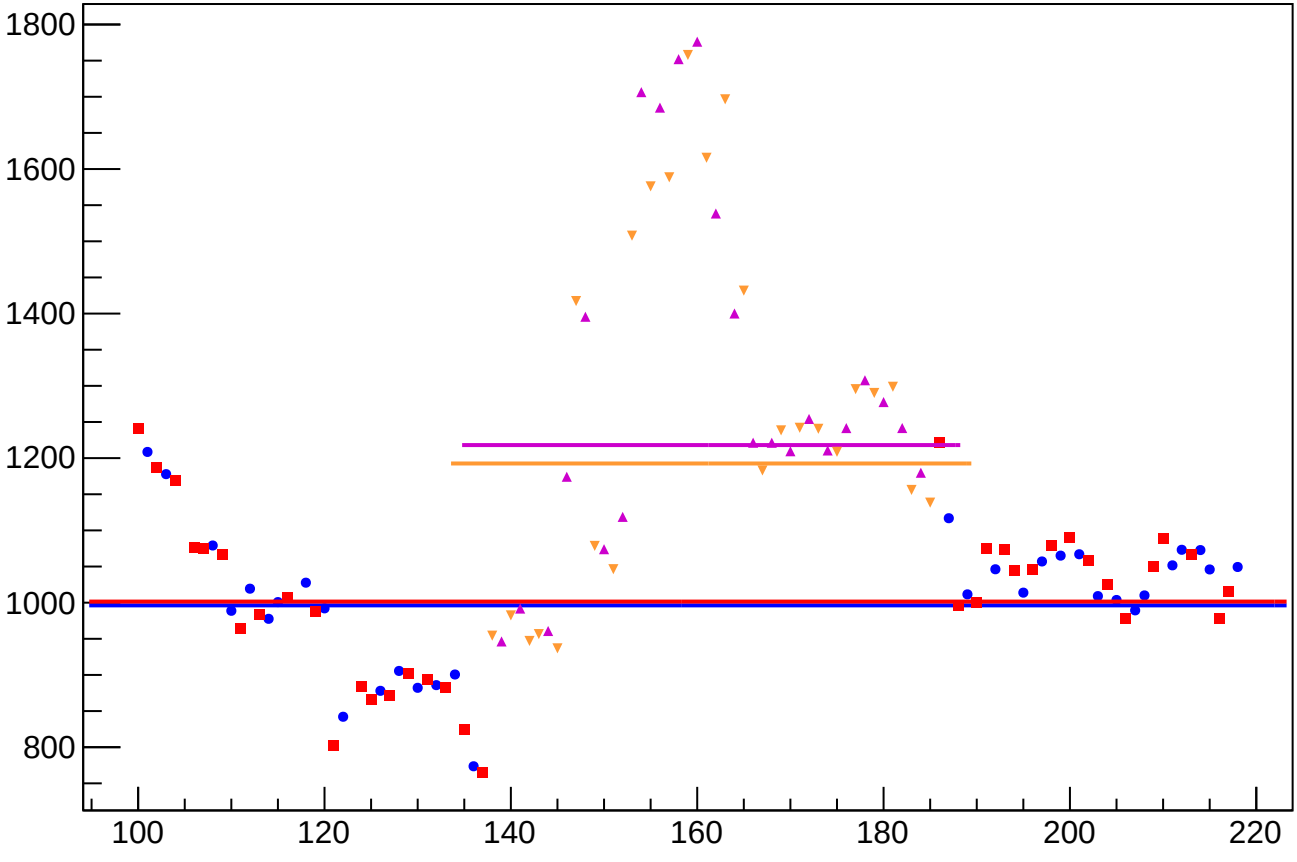
Left In: -1.337+/-0.290 χ^2/NDF:44.0/22

+ sign -4.774+/-0.173 χ^2/NDF: 2864.2/56

All: -5.079+/-0.124 χ^2/NDF: 6990.3/115

- sign -5.392+/-0.176 χ^2/NDF: 4119.9/58

diff_bpm0l10Y_rms vs Slug



Right In: 996.257+/-0.157 χ^2/NDF: 376790.6/31

Left Out: 1192.579+/-0.196 χ^2/NDF:1320181.3/24

Right Out: 1001.509+/-0.156 χ^2/NDF: 383476.6/35

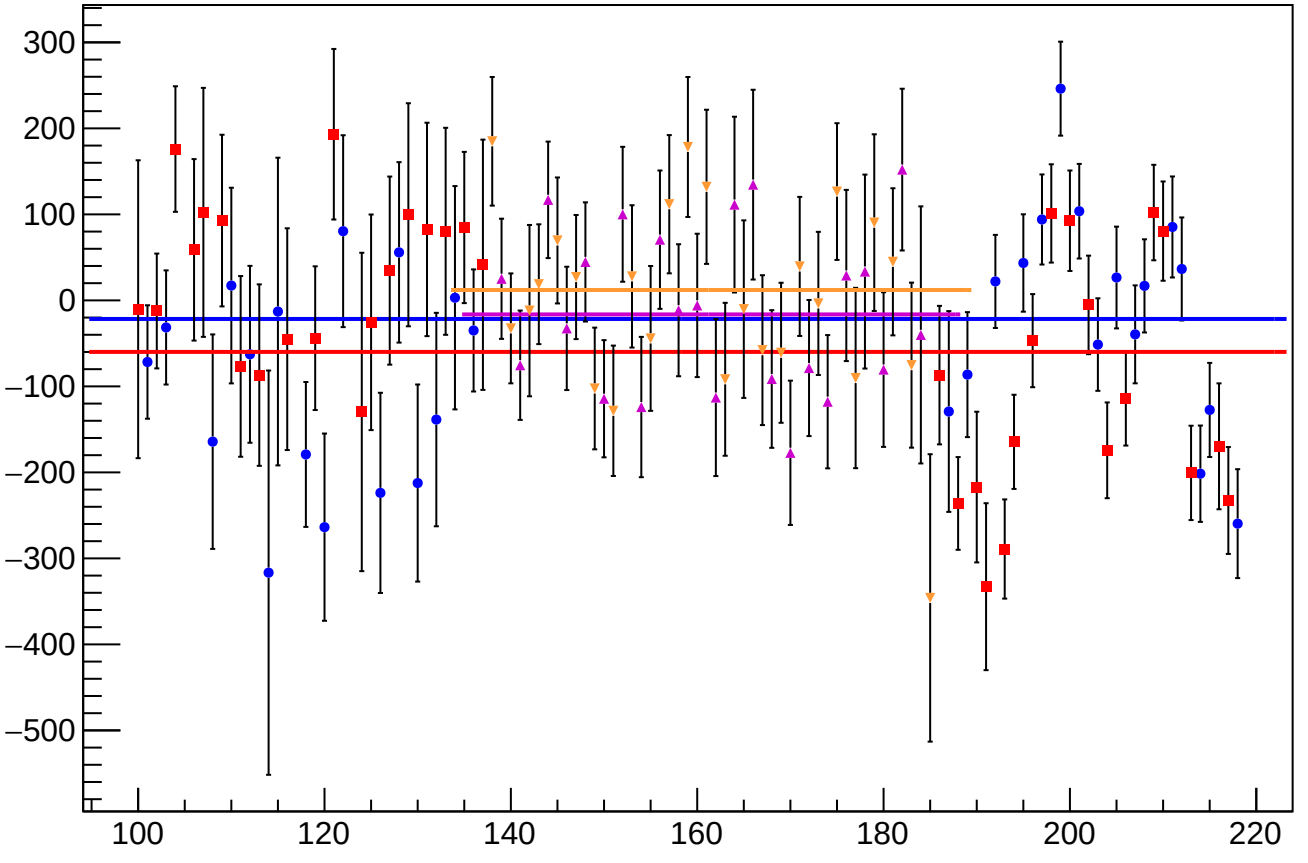
Left In: 1218.058+/-0.205 χ^2/NDF:1127896.8/22

+ sign 1073.423+/-0.123 χ^2/NDF: 2308029.8/56

All: 1077.190+/-0.087 χ^2/NDF: 4526058.2/11

- sign 1081.063+/-0.124 χ^2/NDF: 2216115.3/58

diff_bpm0r03X_mean vs Slug



Right In: -21.606+/-12.589 χ^2/NDF: 92.1/31

Left Out: 12.081+/-16.608 χ^2/NDF:32.8/24

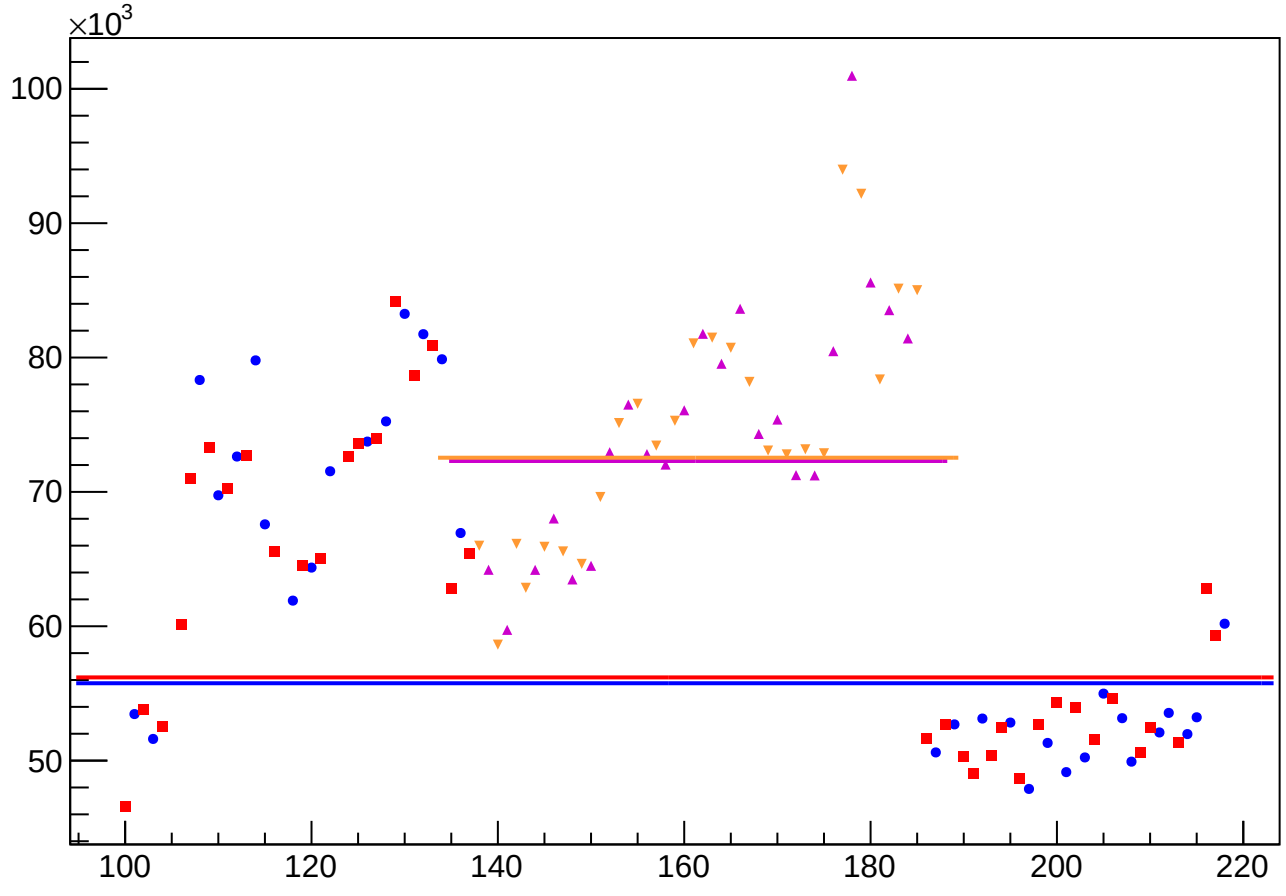
Right Out: -59.914+/-12.510 χ^2/NDF: 124.2/35

Left In: -16.339+/-17.018 χ^2/NDF:28.7/22

\+ sign -9.312+/-10.033 χ^2/NDF: 127.5/56

All: -26.888+/-7.111 χ^2/NDF: 290.8/115

\- sign -44.628+/-10.079 χ^2/NDF: 157.2/58



Right In: 55758.459+/-8.902 χ^2/NDF: 878172.8/31

Left Out: 72544.327+/-11.744 χ^2/NDF:500066.2/24

Right Out: 56193.391+/-8.846 χ^2/NDF: 793240.4/35

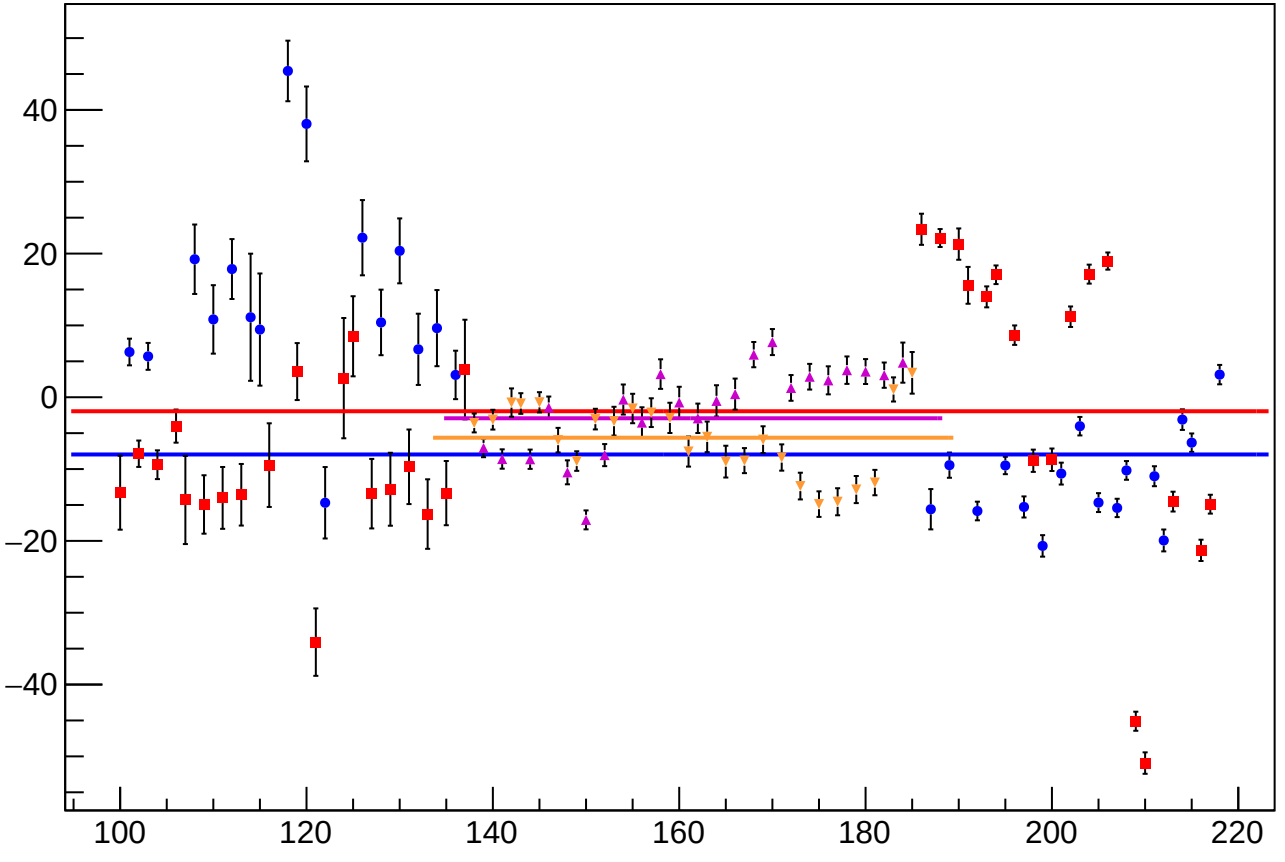
Left In: 72300.590+/-12.033 χ^2/NDF:488780.3/22

+ sign 61883.959+/-7.094 χ^2/NDF: 2675762.8/56

All: 61864.052+/-5.028 χ^2/NDF: 5120952.4/1

- sign 61843.959+/-7.127 χ^2/NDF: 2445173.8/58

diff_bpm0r03Y_mean vs Slug



Right In: -7.967+/-0.329 χ^2/NDF: 933.3/31

Left Out: -5.636+/-0.349 χ^2/NDF:178.2/24

Right Out: -1.949+/-0.327 χ^2/NDF: 4329.1/35

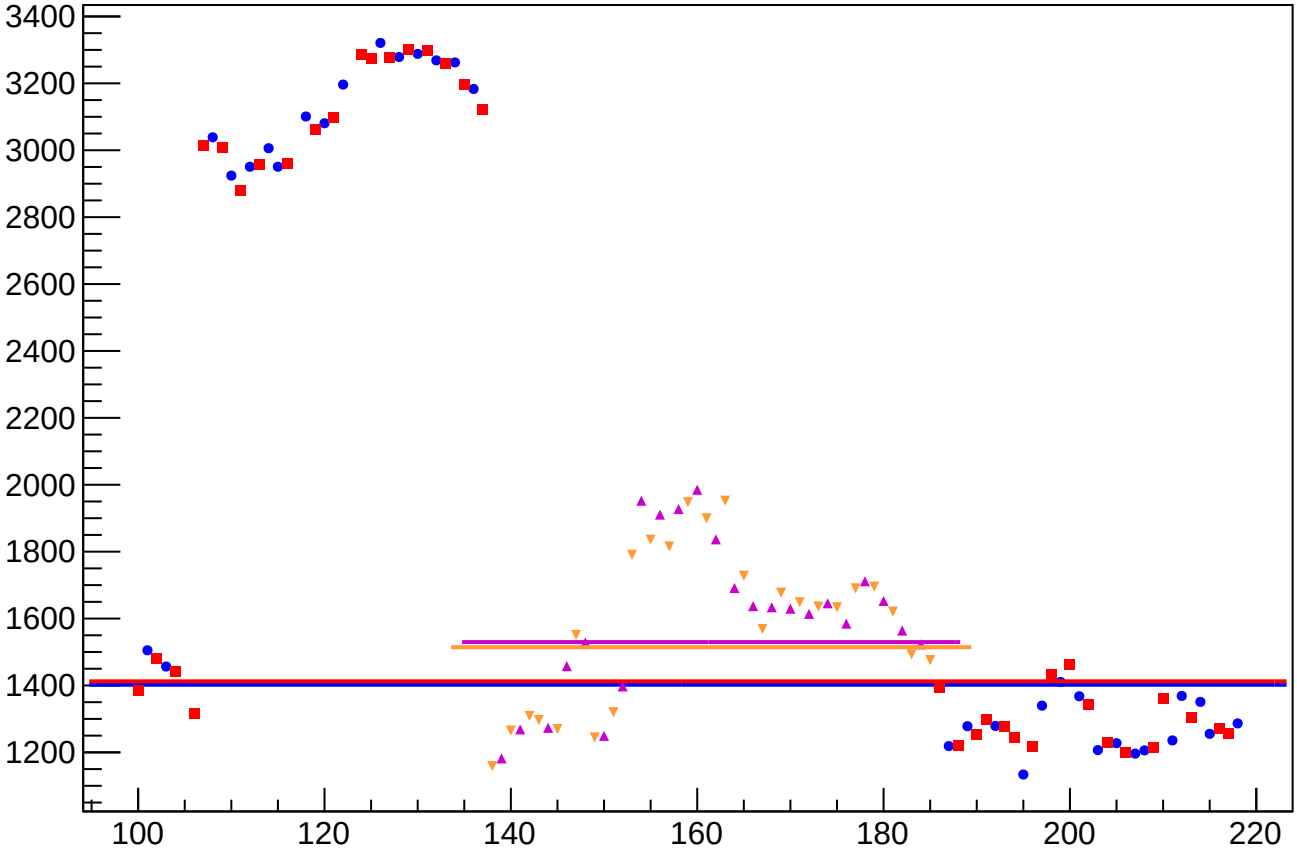
Left In: -2.929+/-0.362 χ^2/NDF:337.4/22

+ sign -6.869+/-0.240 χ^2/NDF: 1135.0/56

All: -4.657+/-0.170 χ^2/NDF: 5978.3/115

- sign -2.389+/-0.243 χ^2/NDF: 4670.5/58

diff_bpm0r03Y_rms vs Slug



Right In: 1402.176+/-0.233 χ^2/NDF: 4087492.6/31

Left Out: 1514.334+/-0.247 χ^2/NDF:933332.1/24

Right Out: 1412.347+/-0.231 χ^2/NDF: 3947865.0/35

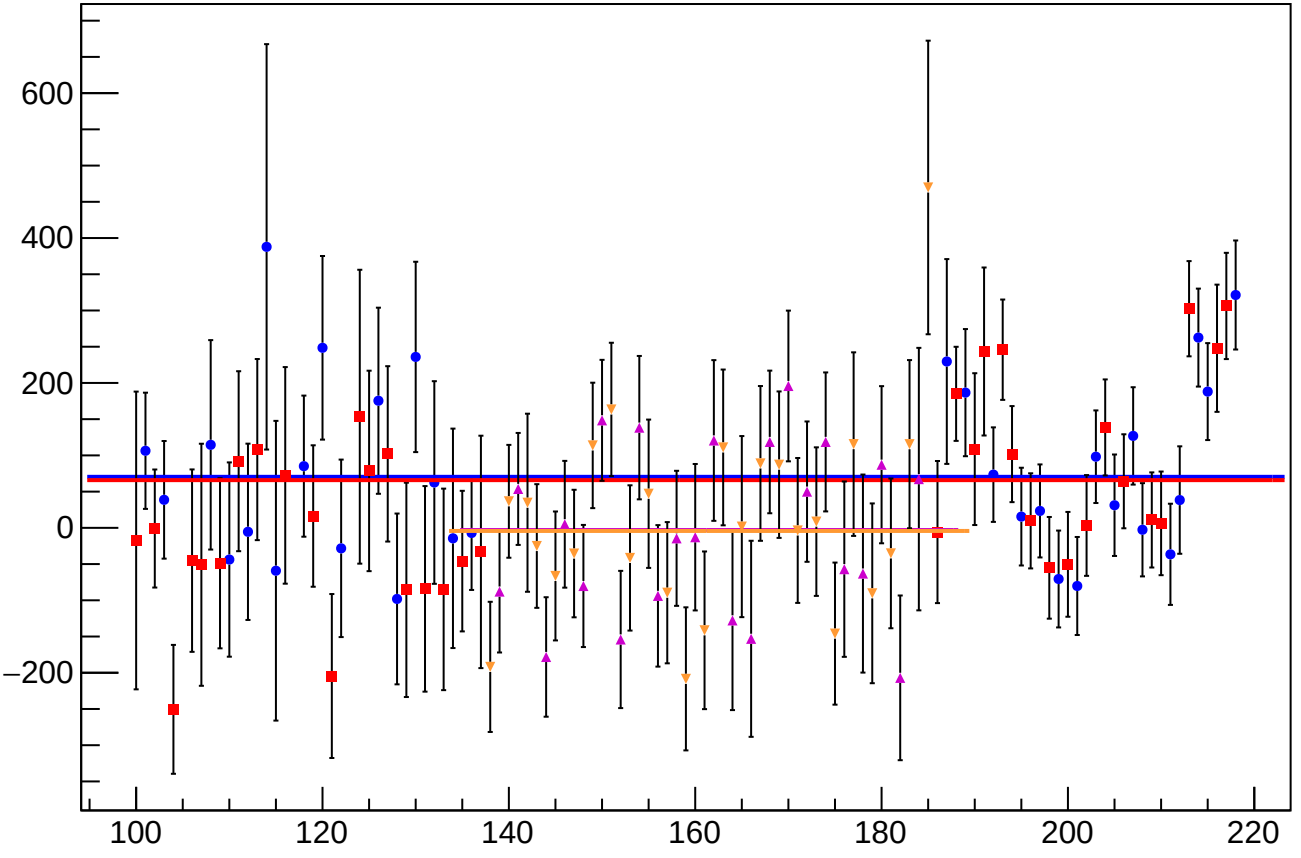
Left In: 1529.635+/-0.256 χ^2/NDF:828481.7/22

+ sign 1454.992+/-0.169 χ^2/NDF: 5130092.2/56

All: 1459.899+/-0.121 χ^2/NDF: 10023784.1/1

- sign 1464.933+/-0.172 χ^2/NDF: 4891991.2/58

diff_bpm0r05X_mean vs Slug



Right In: 70.428+/-15.019 χ^2/NDF: 52.4/31

Left Out: -4.274+/-20.240 χ^2/NDF:30.4/24

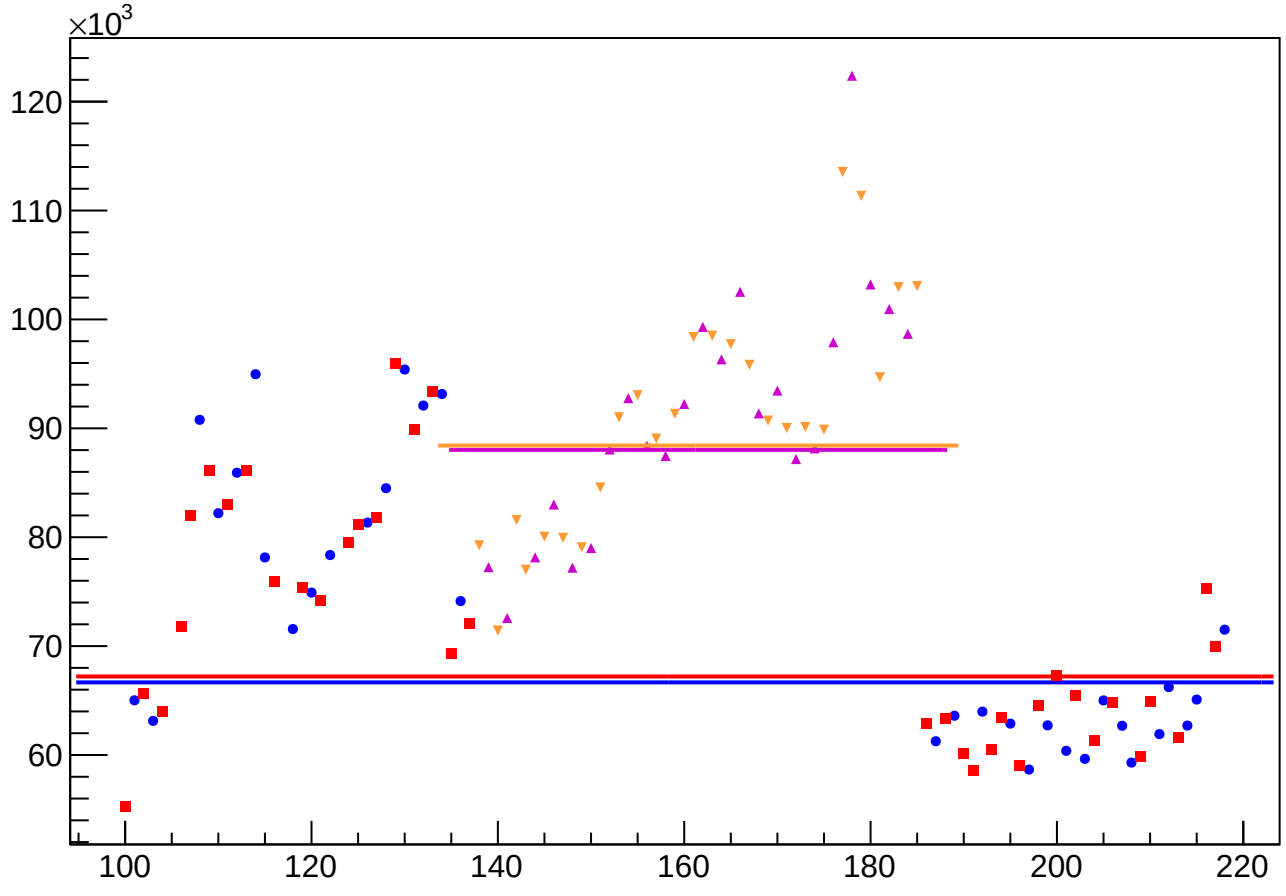
Right Out: 65.847+/-14.937 χ^2/NDF: 78.3/35

Left In: -3.017+/-20.720 χ^2/NDF:30.7/22

+ sign 43.900+/-12.061 χ^2/NDF: 91.7/56

All: 43.102+/-8.548 χ^2/NDF: 208.0/115

- sign 42.297+/-12.117 χ^2/NDF: 116.3/58



Right In: 66668.536+/-10.620 χ^2/NDF: 662919.8/31

Left Out: 88417.953+/-14.312 χ^2/NDF:481954.0/24

Right Out: 67212.322+/-10.562 χ^2/NDF: 615949.0/35

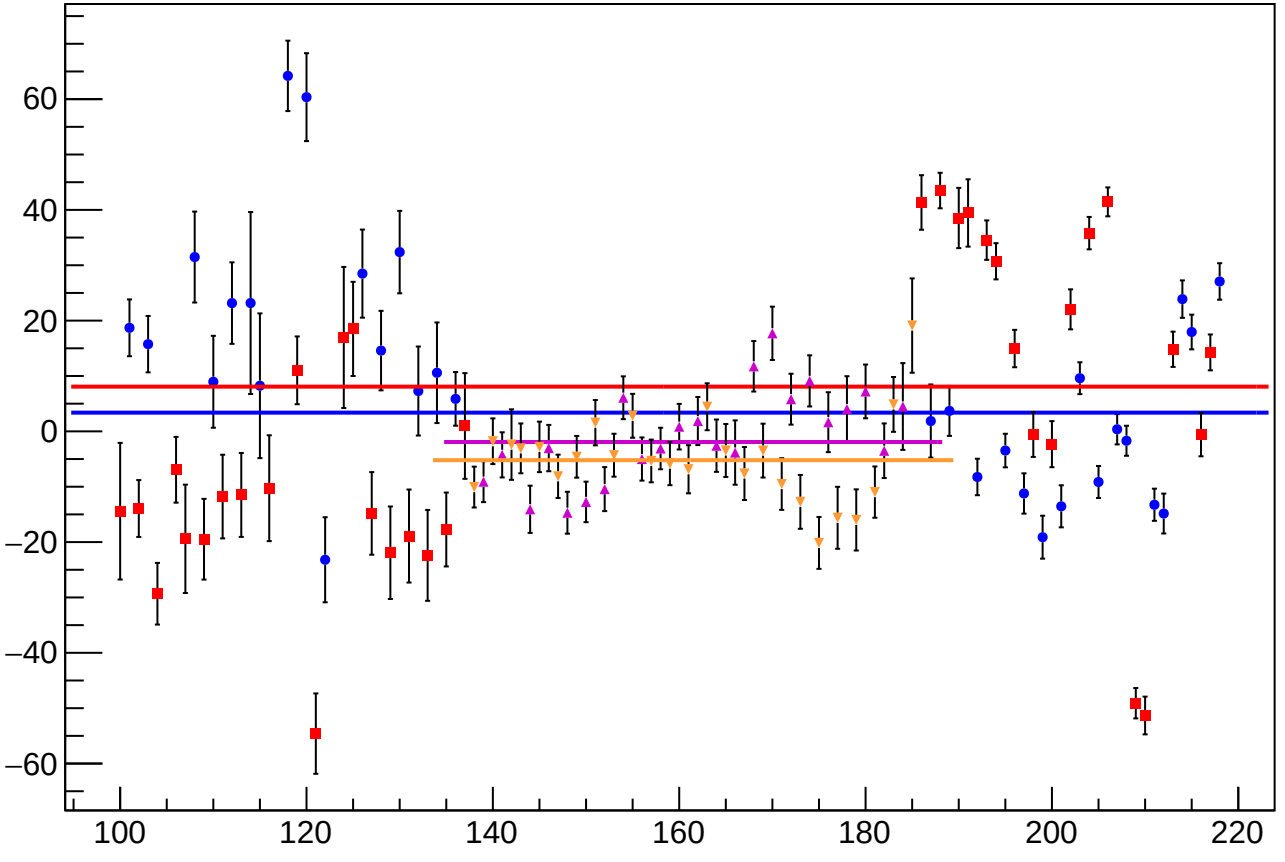
Left In: 88023.592+/-14.651 χ^2/NDF:484812.2/22

+ sign 74392.096+/-8.529 χ^2/NDF: 2634188.1/56

All: 74360.912+/-6.044 χ^2/NDF: 5062655.4/1

- sign 74329.440+/-8.568 χ^2/NDF: 2428440.4/58

diff_bpm0r05Y_mean vs Slug



Right In: 3.381+/-0.748 χ^2/NDF: 503.3/31

Left Out: -5.206+/-0.894 χ^2/NDF:51.0/24

Right Out: 8.076+/-0.759 χ^2/NDF: 1614.5/35

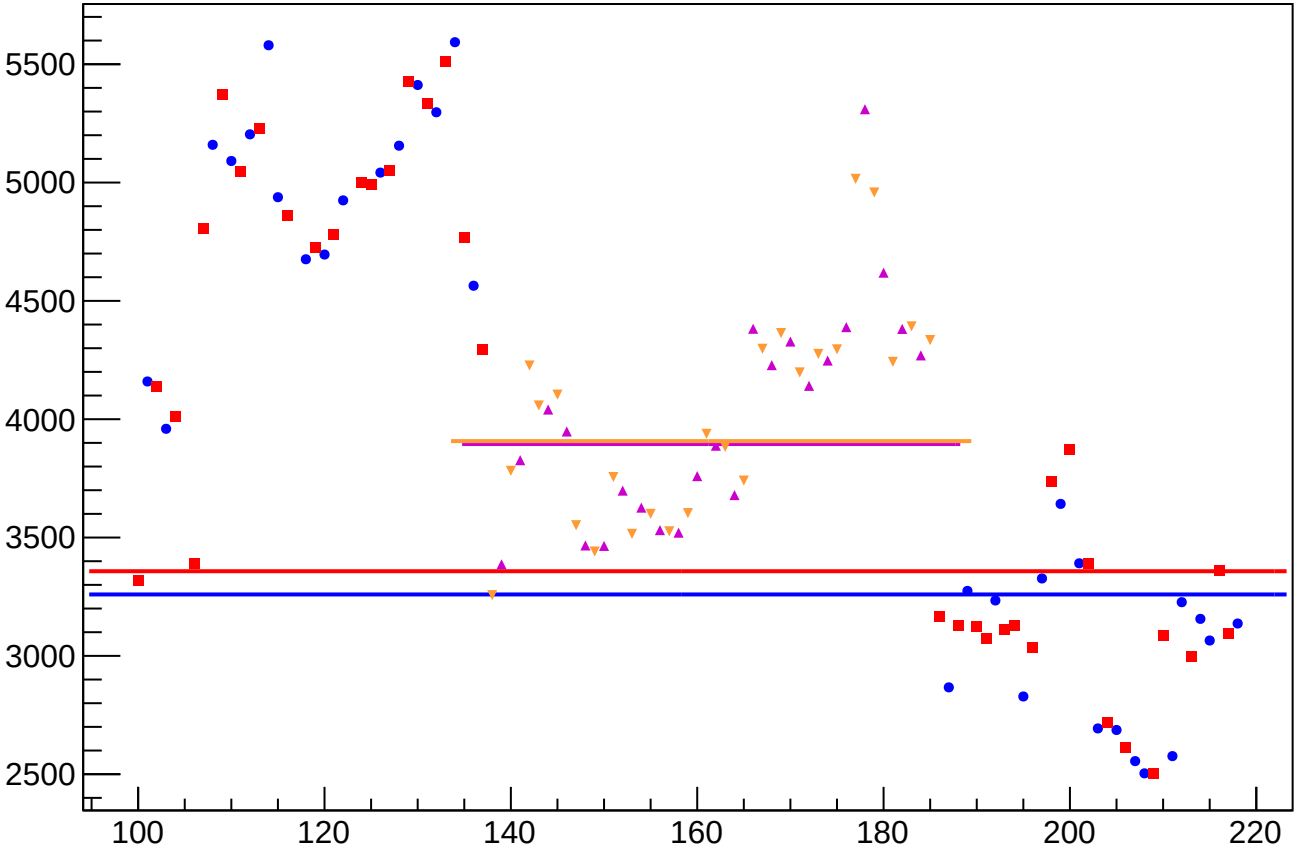
Left In: -1.924+/-0.916 χ^2/NDF:83.2/22

\+ sign -0.156+/-0.574 χ^2/NDF: 608.5/56

All: 1.887+/-0.409 χ^2/NDF: 2402.7/115

\- sign 4.008+/-0.584 χ^2/NDF: 1768.4/58

diff_bpm0r05Y_rms vs Slug



Right In: 3259.521+/-0.529 χ^2/NDF: 2225028.4/31

Left Out: 3907.465+/-0.632 χ^2/NDF:441202.5/24

Right Out: 3357.688+/-0.537 χ^2/NDF: 2018093.3/35

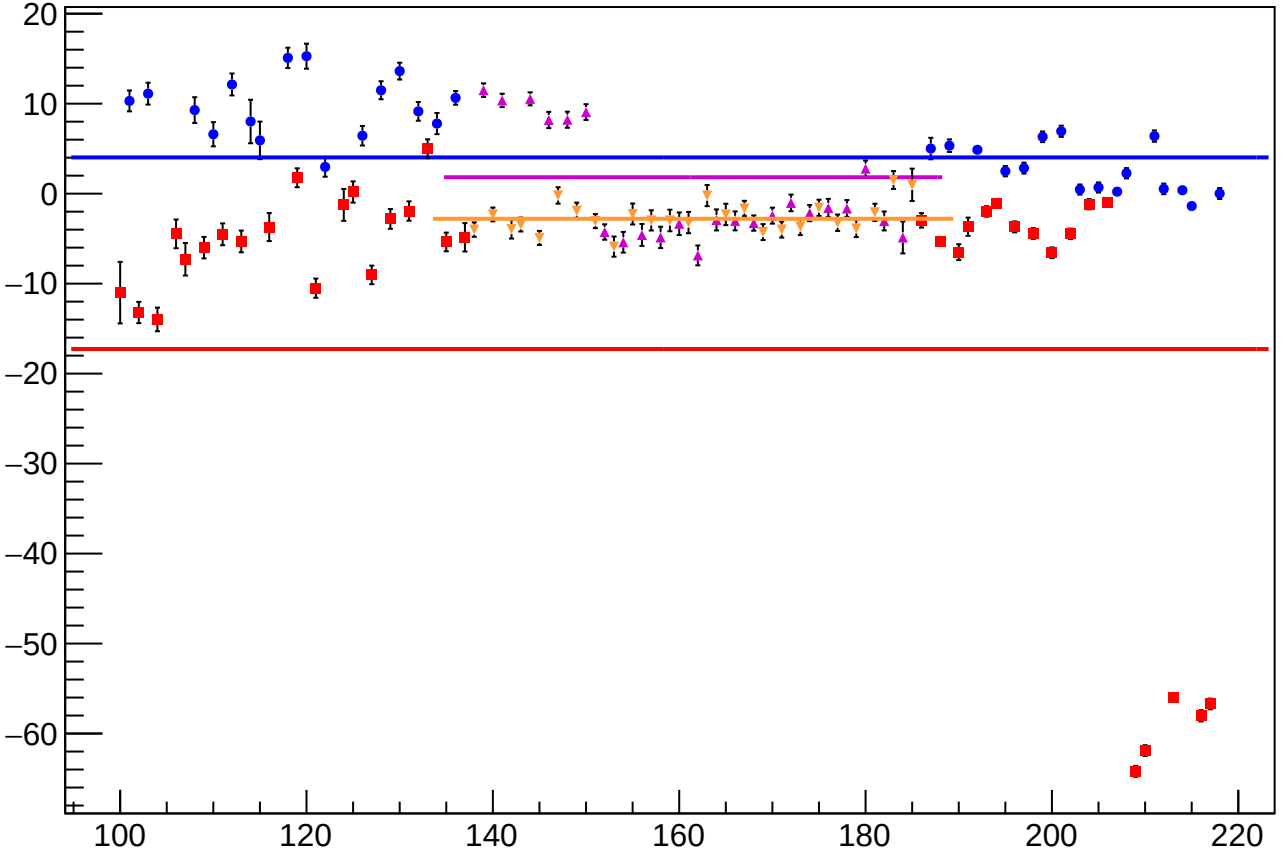
Left In: 3895.108+/-0.648 χ^2/NDF:409913.9/22

+ sign 3526.462+/-0.406 χ^2/NDF: 3284207.6/56

All: 3550.932+/-0.289 χ^2/NDF: 6127750.2/11

- sign 3576.323+/-0.413 χ^2/NDF: 2836129.2/58

diff_bpm2i01X_mean vs Slug



Right In: 4.027+/-0.132 χ^2/NDF: 991.7/31

Left Out: -2.792+/-0.190 χ^2/NDF:68.4/24

Right Out: -17.266+/-0.131 χ^2/NDF: 33860.8/35

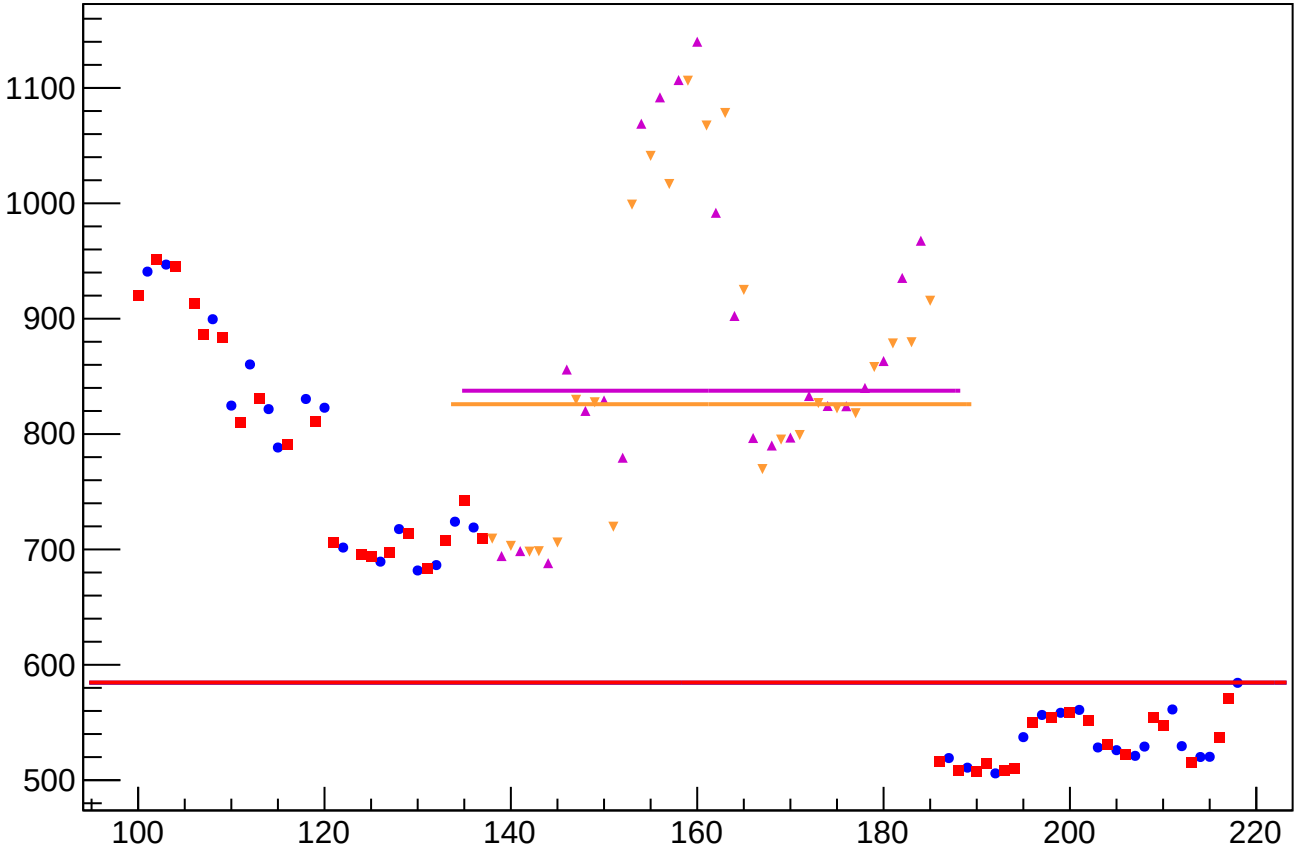
Left In: 1.820+/-0.198 χ^2/NDF:1026.0/22

+ sign 1.805+/-0.108 χ^2/NDF: 1928.0/56

All: -4.804+/-0.077 χ^2/NDF: 50741.0/115

- sign -11.484+/-0.109 χ^2/NDF: 41352.8/58

diff_bpm2i01X_rms vs Slug



Right In: 584.483+/-0.093 χ^2/NDF: 1291842.7/31

Left Out: 825.883+/-0.134 χ^2/NDF:765050.9/24

Right Out: 584.650+/-0.092 χ^2/NDF: 1398069.0/35

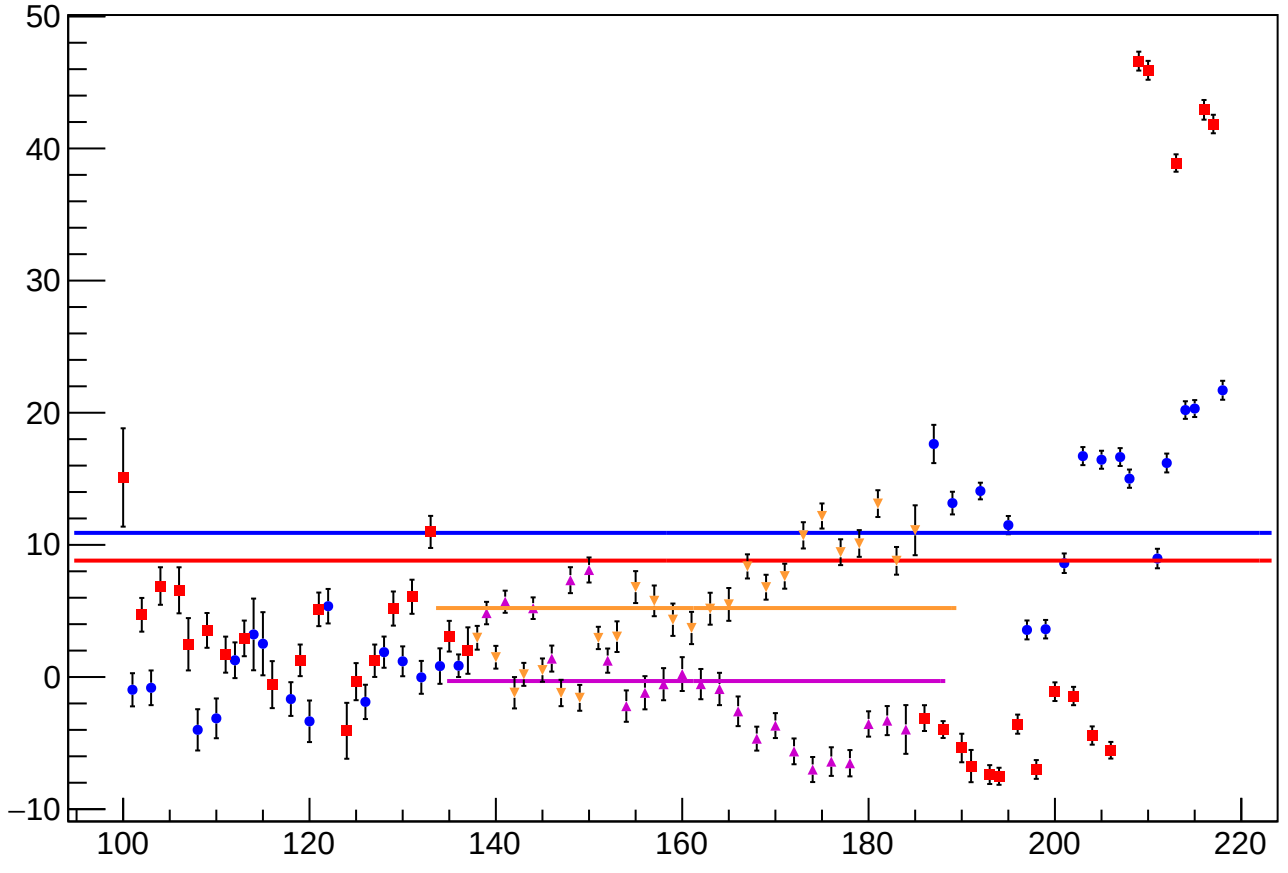
Left In: 837.569+/-0.140 χ^2/NDF:714157.0/22

+ sign 663.144+/-0.077 χ^2/NDF: 4231740.5/56

All: 662.216+/-0.054 χ^2/NDF: 8615042.6/115

- sign 661.279+/-0.077 χ^2/NDF: 4383008.2/58

diff_bpm2i01Y_mean vs Slug



Right In: 10.909+/-0.157 χ^2/NDF: 2339.4/31

Left Out: 5.219+/-0.204 χ^2/NDF:449.9/24

Right Out: 8.810+/-0.155 χ^2/NDF: 16374.1/35

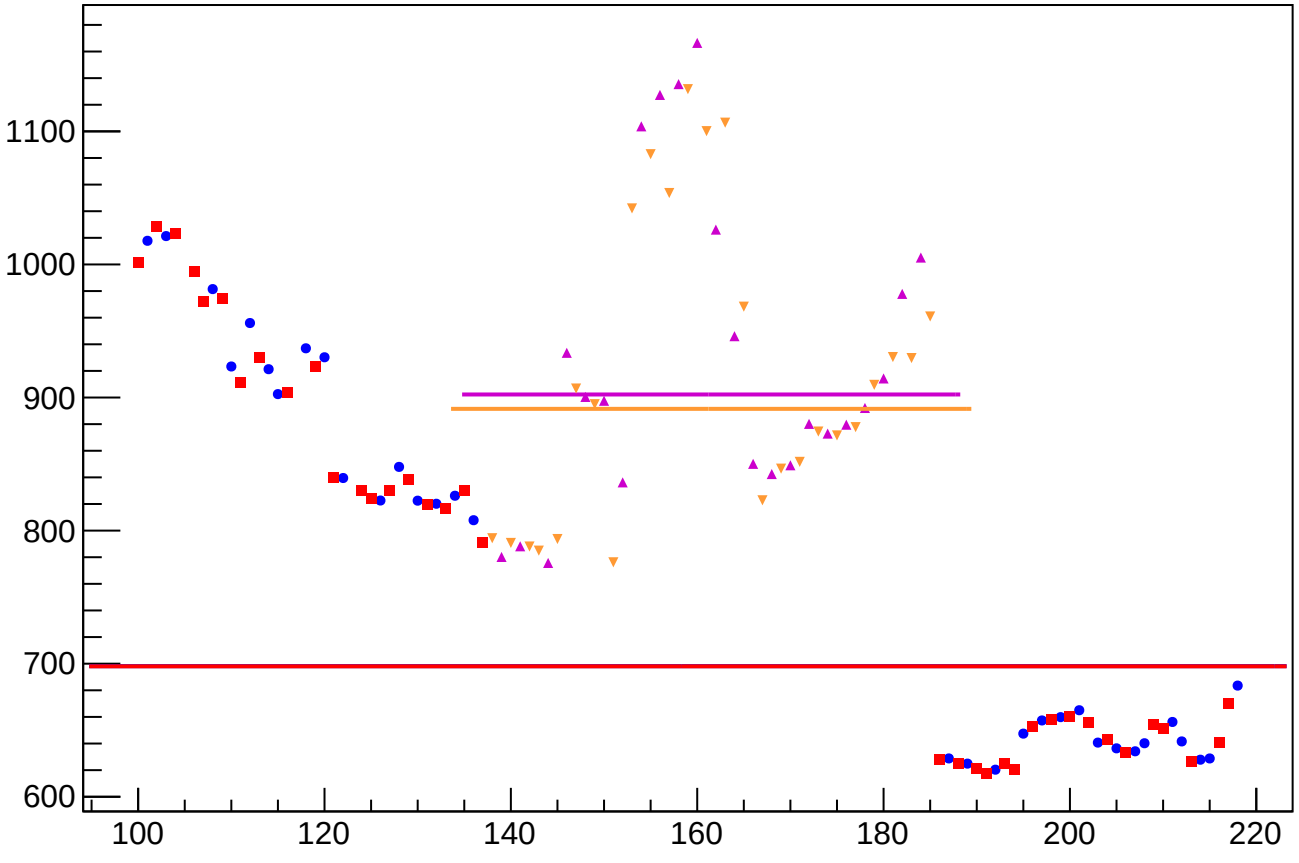
Left In: -0.304+/-0.213 χ^2/NDF:495.2/22

+ sign 8.794+/-0.125 χ^2/NDF: 3276.2/56

All: 7.227+/-0.088 χ^2/NDF: 21661.9/115

- sign 5.640+/-0.125 χ^2/NDF: 18067.4/58

diff_bpm2i01Y_rms vs Slug



Right In: 698.148+/-0.111 χ^2/NDF: 949595.5/31

Left Out: 891.492+/-0.145 χ^2/NDF:517791.6/24

Right Out: 698.012+/-0.110 χ^2/NDF: 1028257.9/35

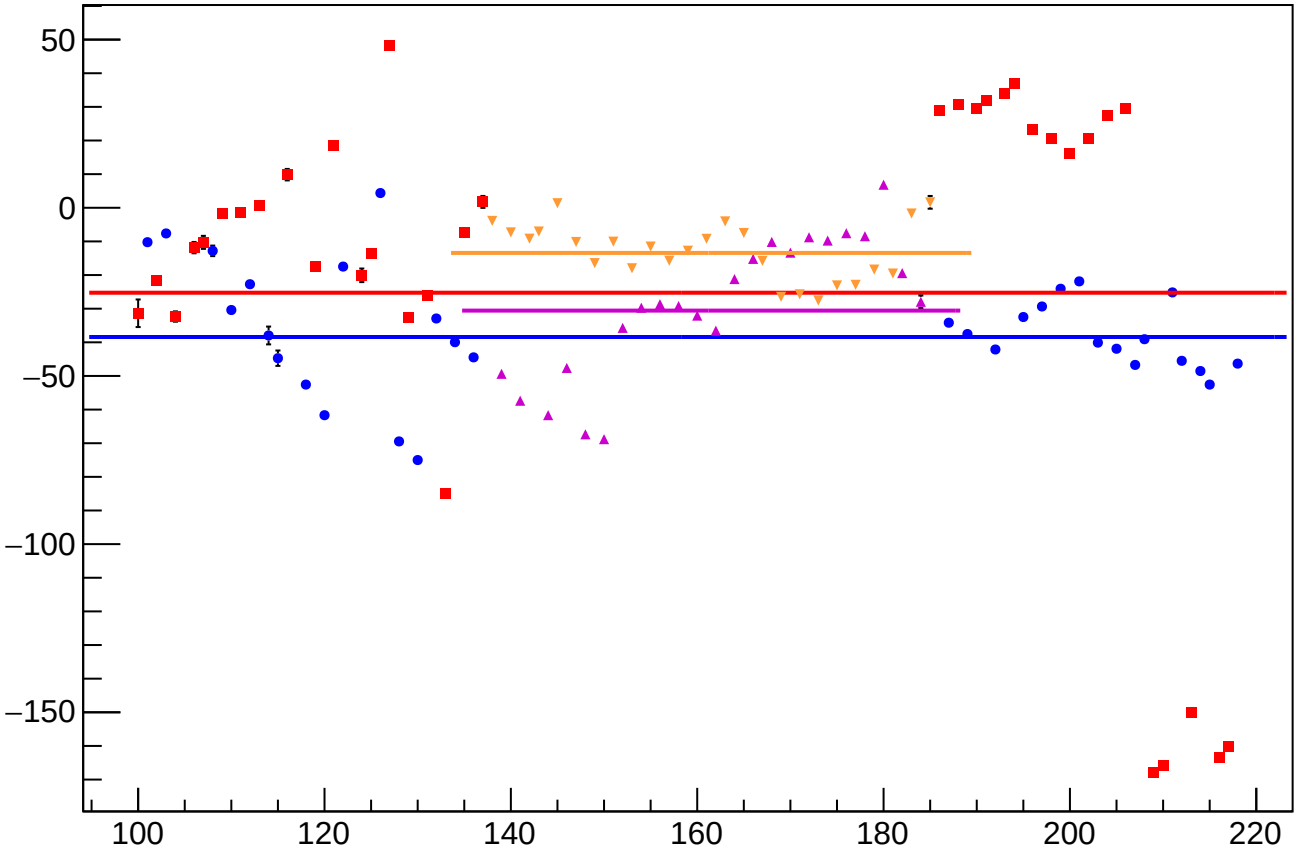
Left In: 902.292+/-0.150 χ^2/NDF:484924.8/22

+ sign 770.007+/-0.088 χ^2/NDF: 2592114.2/56

All: 769.538+/-0.063 χ^2/NDF: 5308984.8/115

- sign 769.062+/-0.089 χ^2/NDF: 2716813.5/58

diff_bpm2i02X_mean vs Slug



Right In: -38.420+/-0.155 χ^2/NDF: 7825.0/31

Left Out: -13.420+/-0.206 χ^2/NDF:1663.3/24

Right Out: -25.251+/-0.153 χ^2/NDF: 255256.7/35

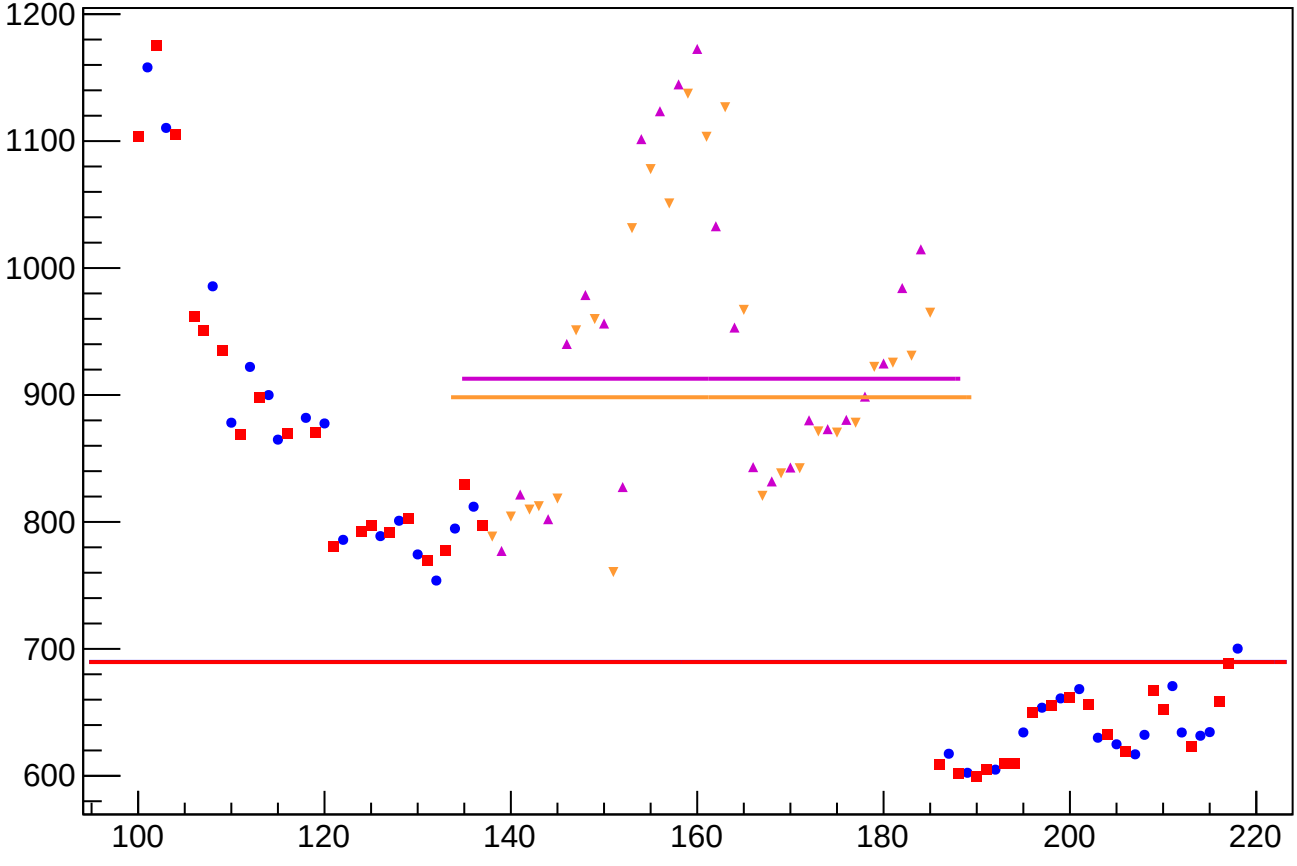
Left In: -30.571+/-0.215 χ^2/NDF:10386.5/22

+ sign -29.355+/-0.124 χ^2/NDF: 18880.0/56

All: -28.209+/-0.088 χ^2/NDF: 285100.6/115

- sign -27.045+/-0.125 χ^2/NDF: 266048.4/58

diff_bpm2i02X_rms vs Slug



Right In: 689.750+/-0.110 χ^2/NDF: 989609.3/31

Left Out: 898.227+/-0.146 χ^2/NDF:518370.6/24

Right Out: 689.619+/-0.109 χ^2/NDF: 1063050.8/35

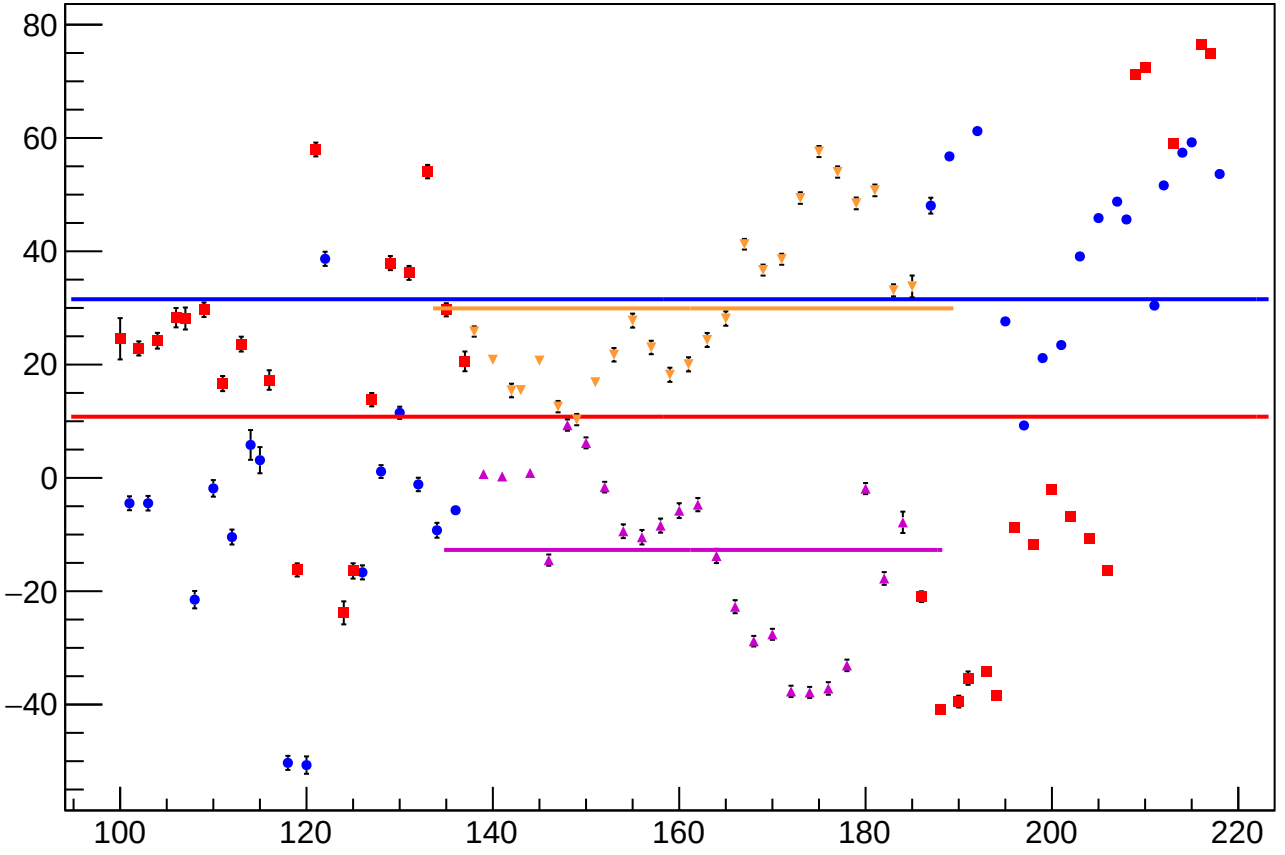
Left In: 912.817+/-0.152 χ^2/NDF:480021.0/22

+ sign 765.342+/-0.088 χ^2/NDF: 2814230.6/56

All: 765.108+/-0.062 χ^2/NDF: 5783727.4/115

- sign 764.870+/-0.088 χ^2/NDF: 2969482.4/58

diff_bpm2i02Y_mean vs Slug



Right In: 31.539+/-0.153 χ^2/NDF: 29933.4/31

Left Out: 29.922+/-0.209 χ^2/NDF:4580.4/24

Right Out: 10.805+/-0.151 χ^2/NDF: 72099.9/35

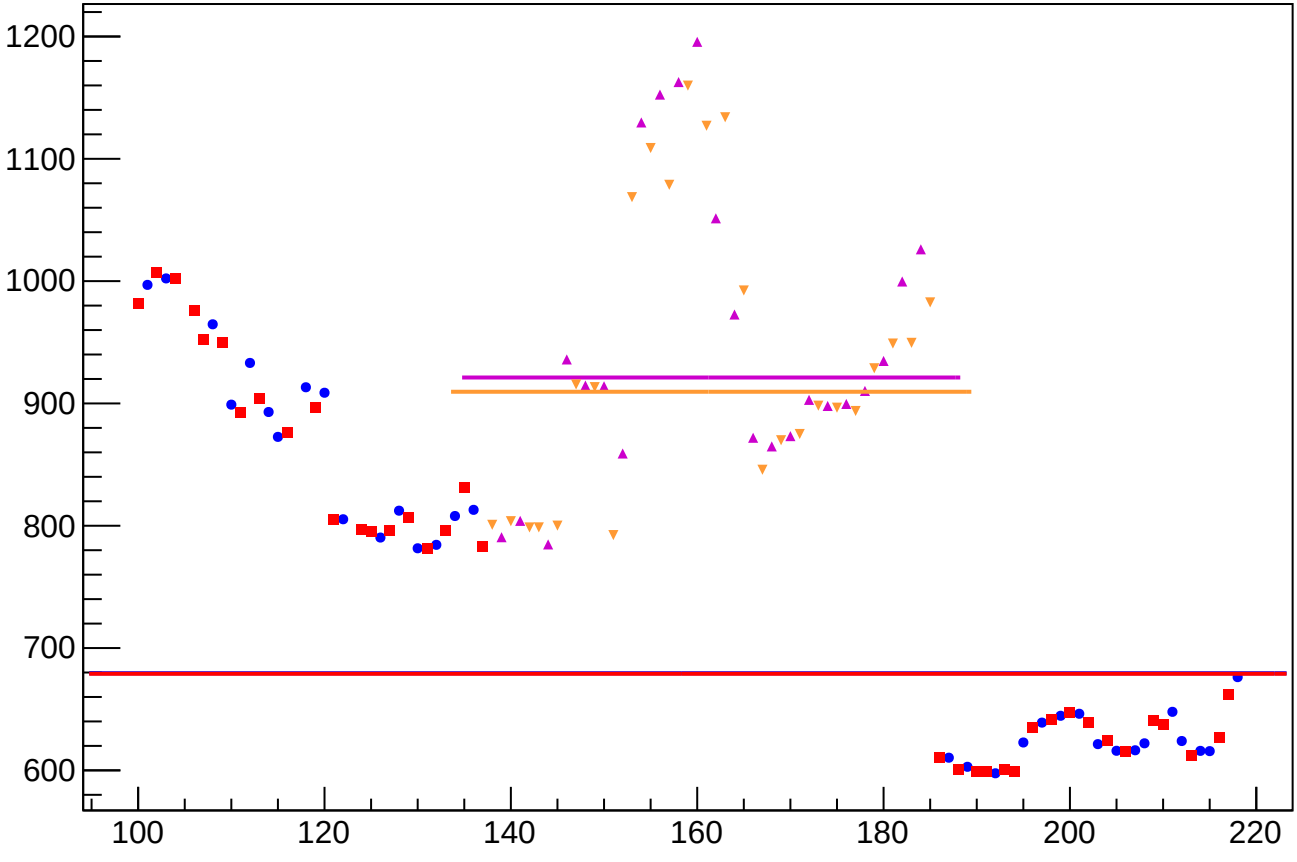
Left In: -12.708+/-0.217 χ^2/NDF:4791.2/22

+ sign 30.973+/-0.123 χ^2/NDF: 34552.9/56

All: 17.129+/-0.087 χ^2/NDF: 144679.8/115

- sign 3.137+/-0.124 χ^2/NDF: 84793.7/58

diff_bpm2i02Y_rms vs Slug



Right In: 679.401+/-0.108 χ^2/NDF: 965826.7/31

Left Out: 909.552+/-0.147 χ^2/NDF:541710.0/24

Right Out: 678.969+/-0.107 χ^2/NDF: 1043112.9/35

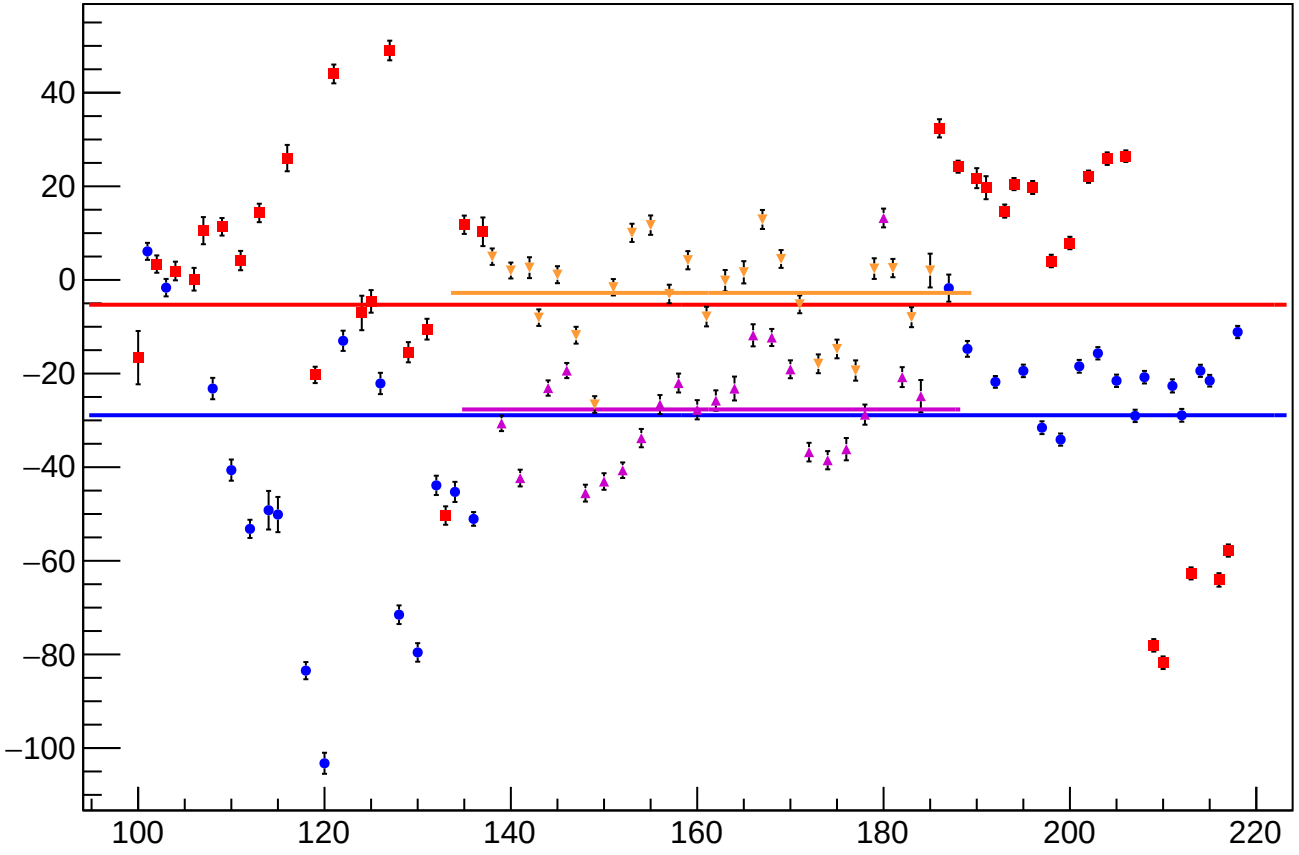
Left In: 921.198+/-0.154 χ^2/NDF:497337.0/22

+ sign 759.894+/-0.087 χ^2/NDF: 3091298.4/56

All: 758.934+/-0.062 χ^2/NDF: 6309407.7/115

- sign 757.964+/-0.088 χ^2/NDF: 3217865.7/58

diff_bpm0i02X_mean vs Slug



Right In: -28.901+/-0.287 χ^2/NDF: 5104.0/31

Left Out: -2.767+/-0.397 χ^2/NDF:616.1/24

Right Out: -5.295+/-0.283 χ^2/NDF: 17732.5/35

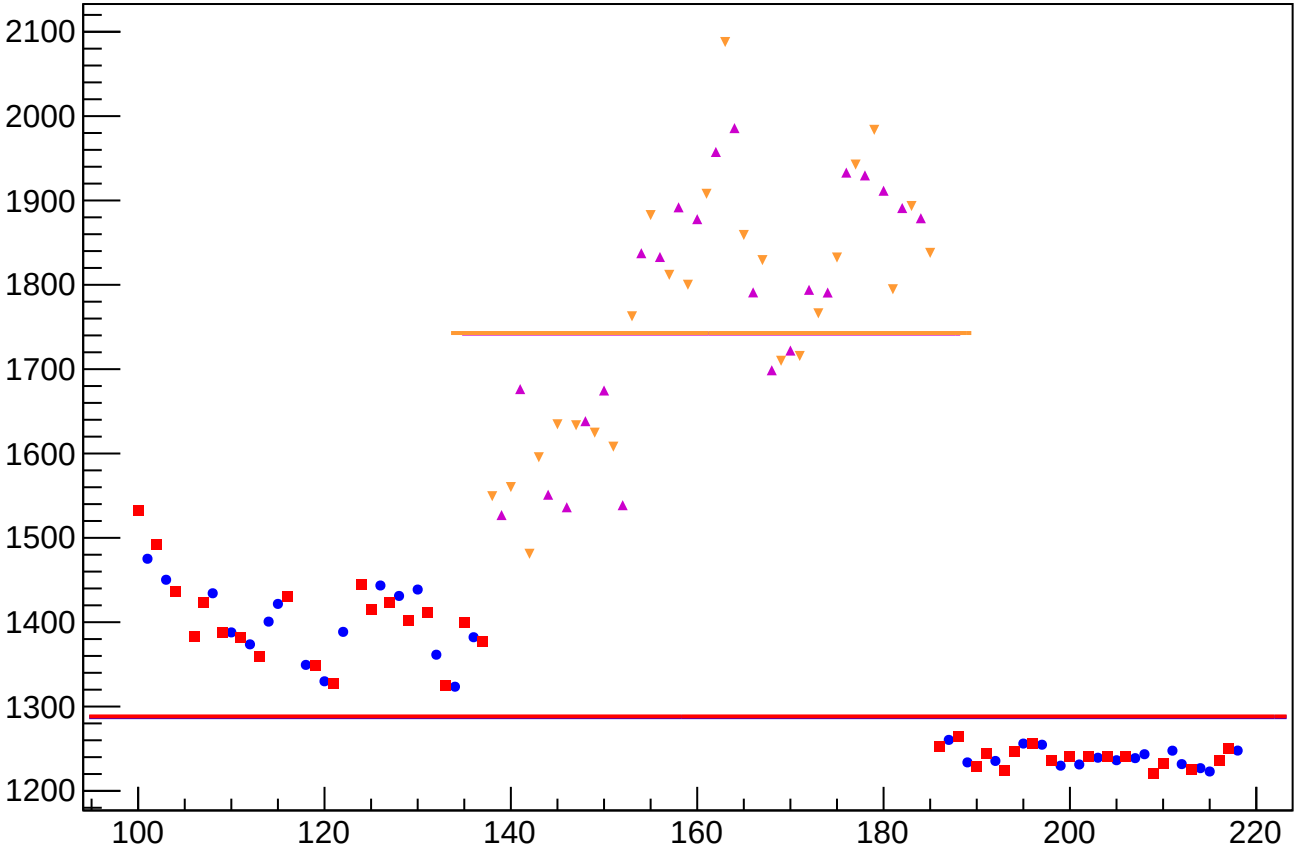
Left In: -27.663+/-0.409 χ^2/NDF:989.9/22

+ sign -19.950+/-0.233 χ^2/NDF: 8563.4/56

All: -16.261+/-0.165 χ^2/NDF: 29812.0/115

- sign -12.560+/-0.233 χ^2/NDF: 20744.6/58

diff_bpm0i02X_rms vs Slug



Right In: 1287.447+/-0.203 χ^2/NDF: 149267.7/31

Left Out: 1742.842+/-0.281 χ^2/NDF:263118.4/24

Right Out: 1288.260+/-0.200 χ^2/NDF: 147231.2/35

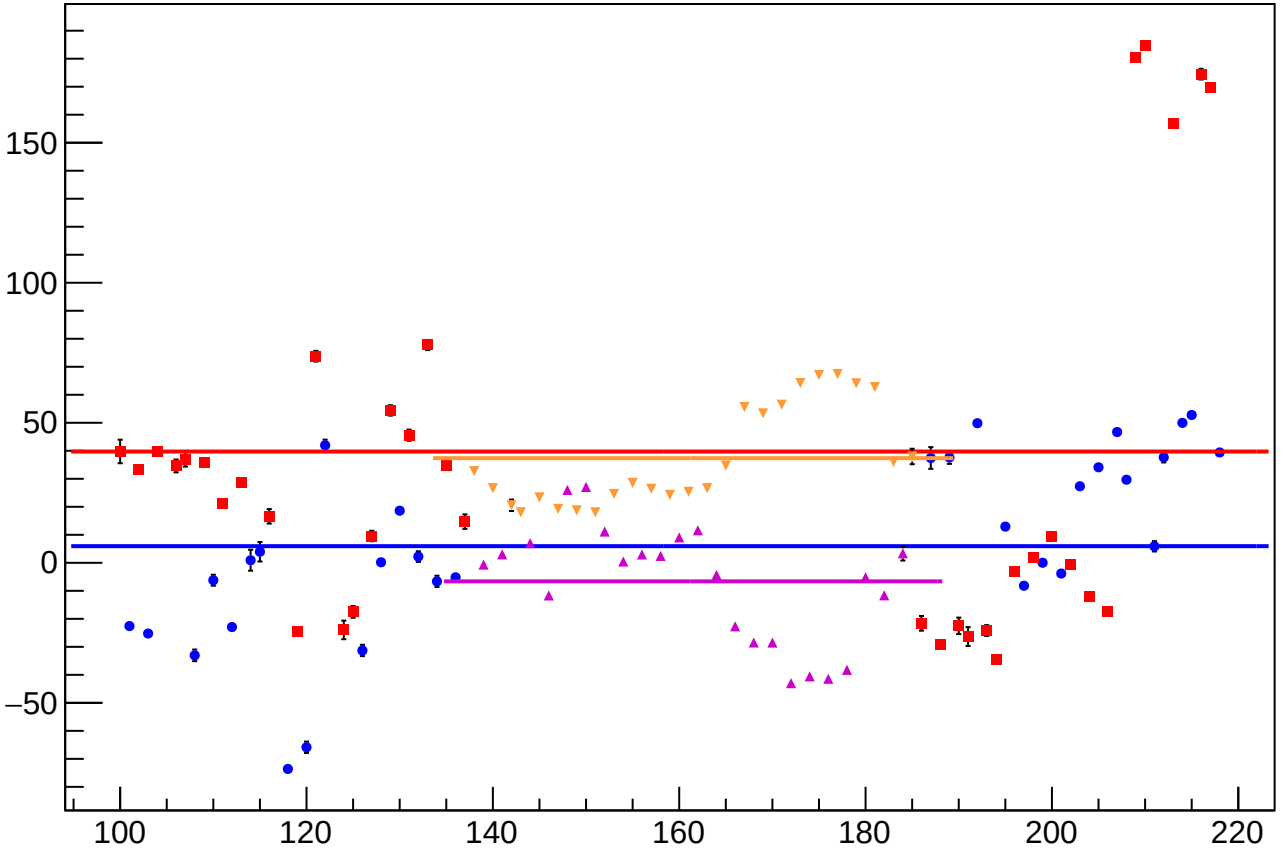
Left In: 1742.153+/-0.289 χ^2/NDF:261606.6/22

+ sign 1443.418+/-0.164 χ^2/NDF: 2139124.2/56

All: 1439.561+/-0.116 χ^2/NDF: 4214376.5/11

- sign 1435.691+/-0.165 χ^2/NDF: 2074150.2/58

diff_bpm0i02Y_mean vs Slug



Right In: 5.945+/-0.321 χ^2/NDF: 10043.9/31

Left Out: 37.369+/-0.308 χ^2/NDF:3395.8/24

Right Out: 39.732+/-0.316 χ^2/NDF: 44048.2/35

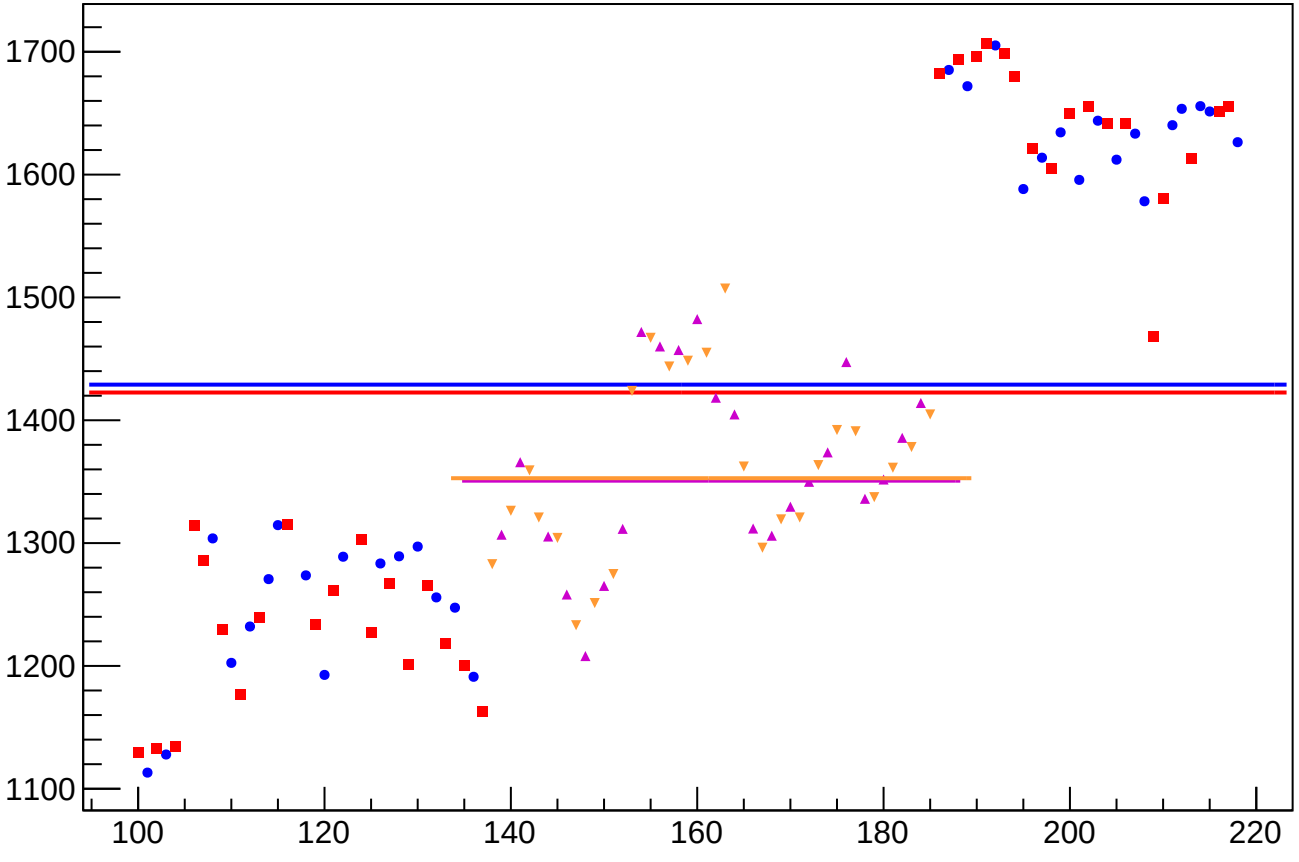
Left In: -6.631+/-0.316 χ^2/NDF:4410.3/22

+ sign 22.330+/-0.222 χ^2/NDF: 18425.8/56

All: 19.453+/-0.158 χ^2/NDF: 77977.0/115

- sign 16.546+/-0.224 χ^2/NDF: 59214.5/58

diff_bpm0i02Y_rms vs Slug



Right In: 1429.008+/-0.227 χ^2/NDF: 861871.1/31

Left Out: 1352.820+/-0.218 χ^2/NDF:104845.3/24

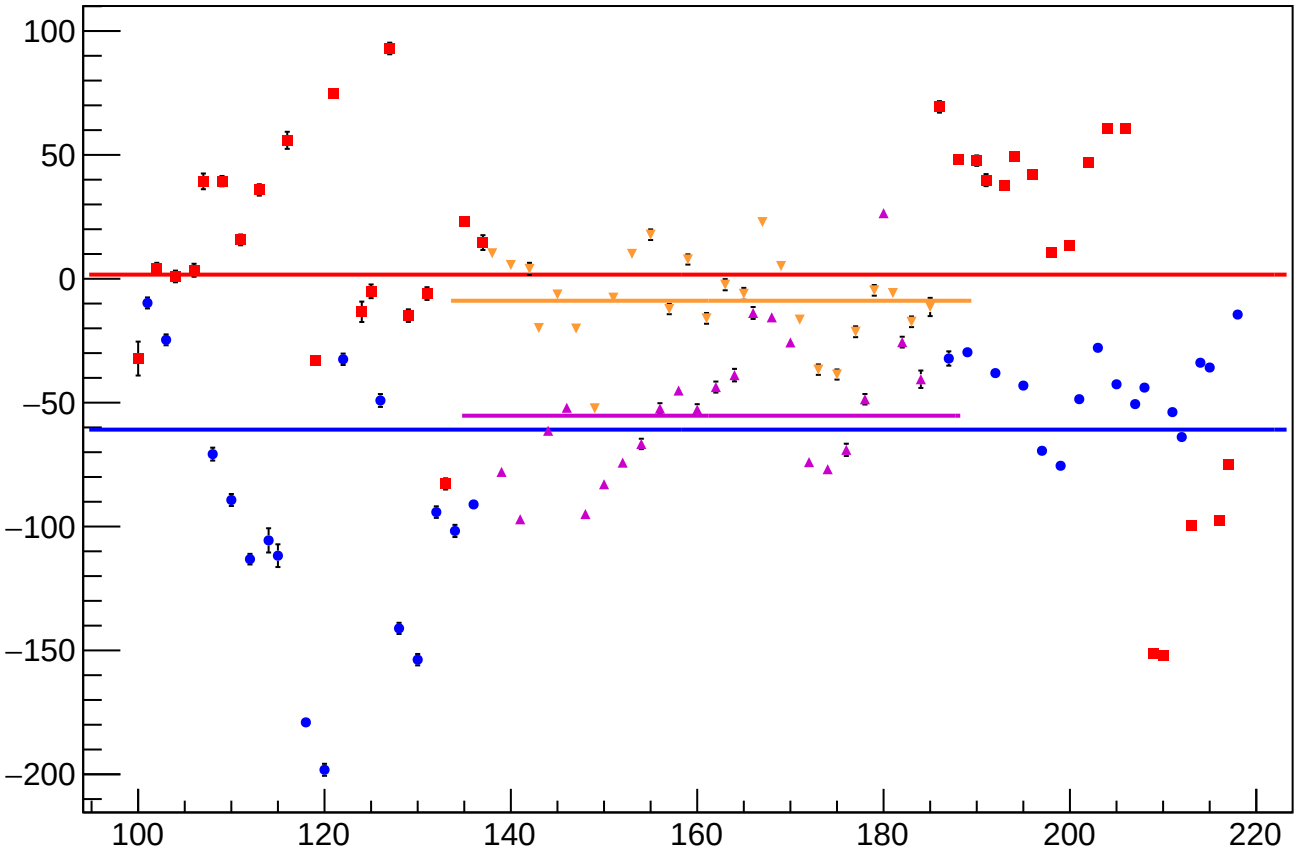
Right Out: 1422.590+/-0.224 χ^2/NDF: 933879.8/35

Left In: 1350.830+/-0.223 χ^2/NDF:108618.5/22

\+ sign 1389.282+/-0.157 χ^2/NDF: 1025334.8/56

All: 1387.999+/-0.111 χ^2/NDF: 2119501.0/11

\- sign 1386.702+/-0.158 χ^2/NDF: 1094032.3/58



Right In: -60.884+/-0.324 χ^2/NDF: 15694.9/31

Left Out: -8.859+/-0.407 χ^2/NDF:1953.2/24

Right Out: 1.678+/-0.317 χ^2/NDF: 44779.9/35

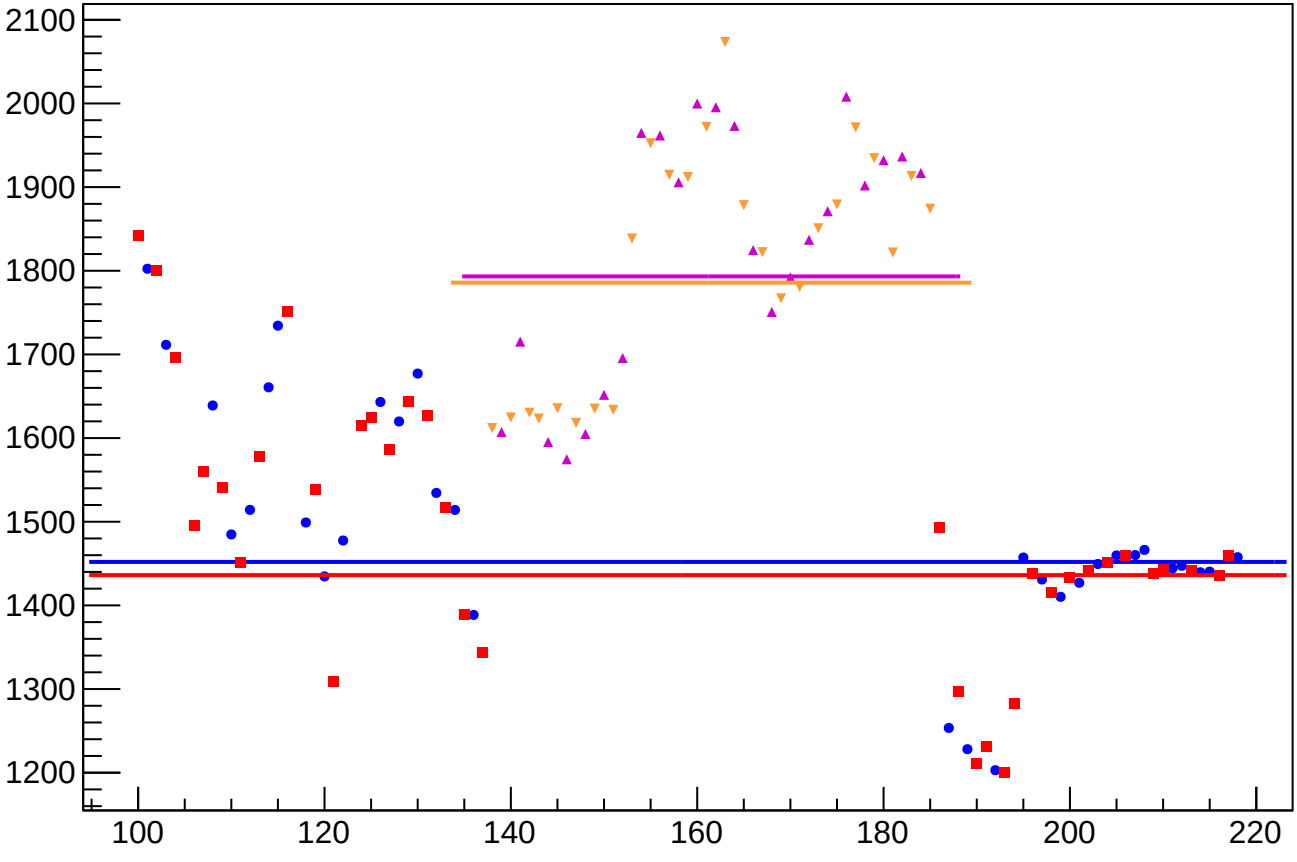
Left In: -55.266+/-0.420 χ^2/NDF:4736.1/22

+ sign -40.710+/-0.254 χ^2/NDF: 27642.5/56

All: -29.801+/-0.179 χ^2/NDF: 92552.4/115

- sign -18.940+/-0.253 χ^2/NDF: 61216.1/58

diff_bpm0i02aX_rms vs Slug



Right In: 1451.960+/-0.229 χ^2/NDF: 282075.6/31

Left Out: 1785.836+/-0.288 χ^2/NDF:237239.4/24

Right Out: 1436.202+/-0.224 χ^2/NDF: 331455.5/35

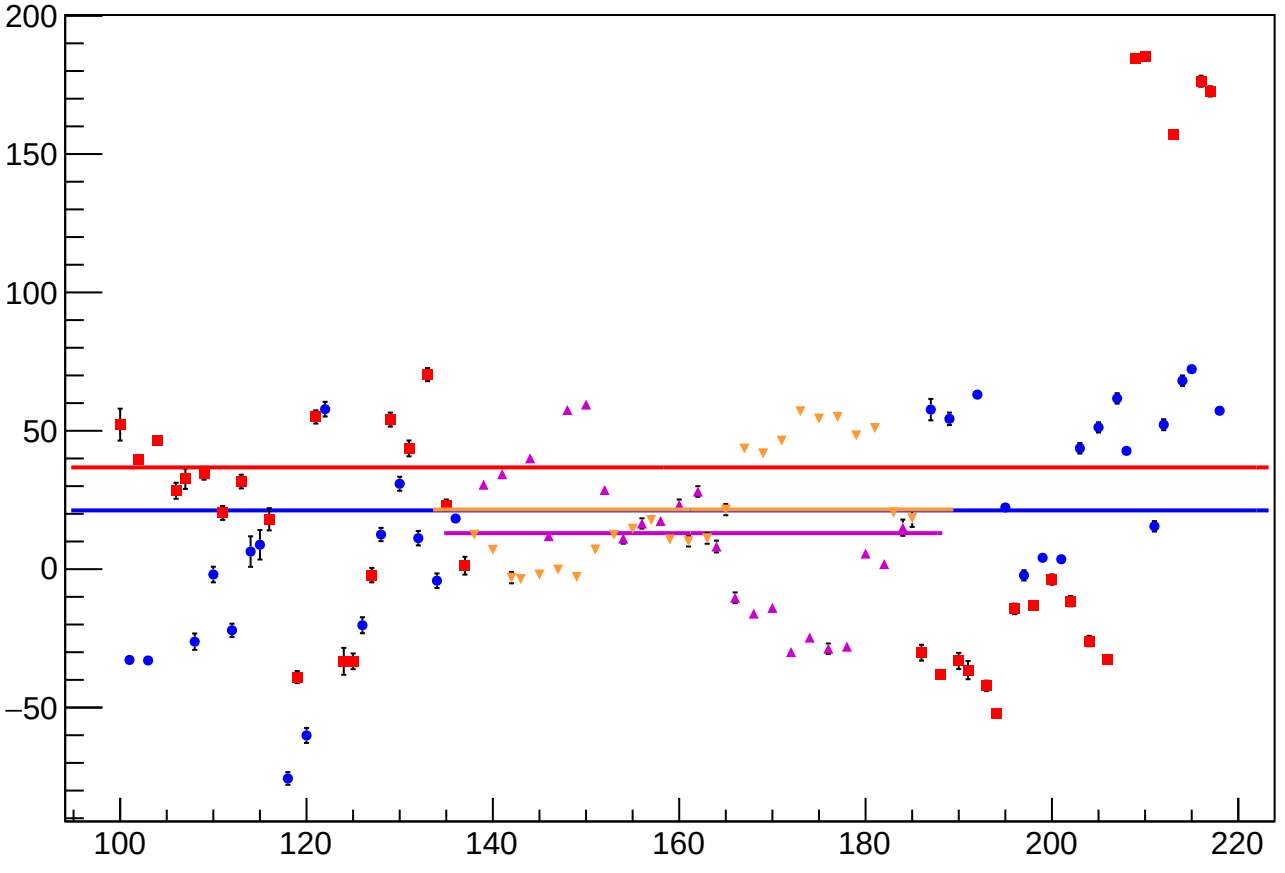
Left In: 1793.249+/-0.297 χ^2/NDF:252788.2/22

+ sign 1581.431+/-0.179 χ^2/NDF: 1342580.7/56

All: 1573.437+/-0.127 χ^2/NDF: 2850745.0/11

- sign 1565.478+/-0.179 χ^2/NDF: 1504197.6/58

diff_bpm0i02aY_mean vs Slug



Right In: 21.233+/-0.373 χ^2/NDF: 10120.7/31

Left Out: 21.567+/-0.330 χ^2/NDF:4160.8/24

Right Out: 36.778+/-0.364 χ^2/NDF: 47065.9/35

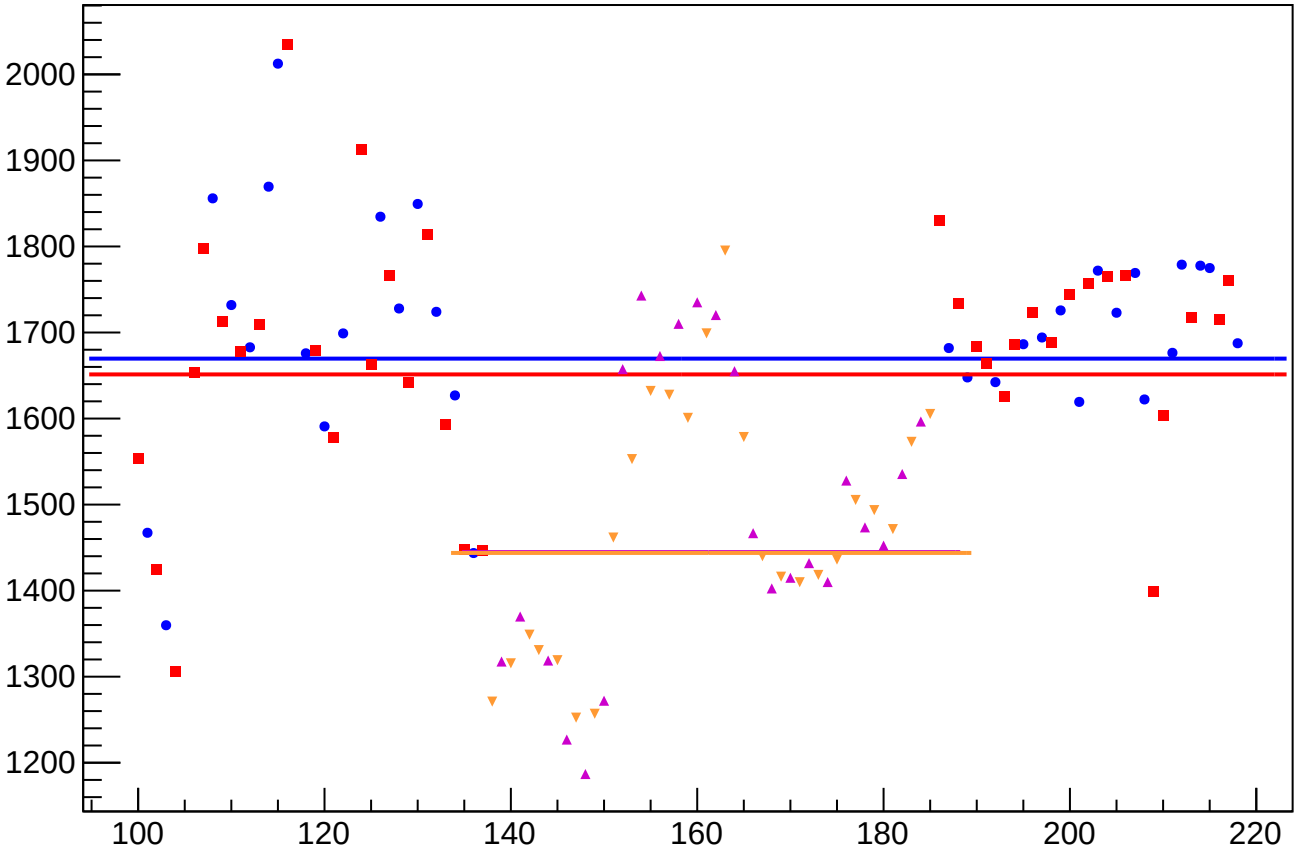
Left In: 13.014+/-0.340 χ^2/NDF:6627.2/22

\+ sign 21.420+/-0.247 χ^2/NDF: 14281.9/56

All: 22.739+/-0.175 χ^2/NDF: 70305.8/115

\- sign 24.074+/-0.249 χ^2/NDF: 55966.5/58

diff_bpm0i02aY_rms vs Slug



Right In: 1669.655+/-0.264 χ^2/NDF: 211236.0/31

Left Out: 1443.826+/-0.233 χ^2/NDF:352397.9/24

Right Out: 1651.299+/-0.258 χ^2/NDF: 291045.9/35

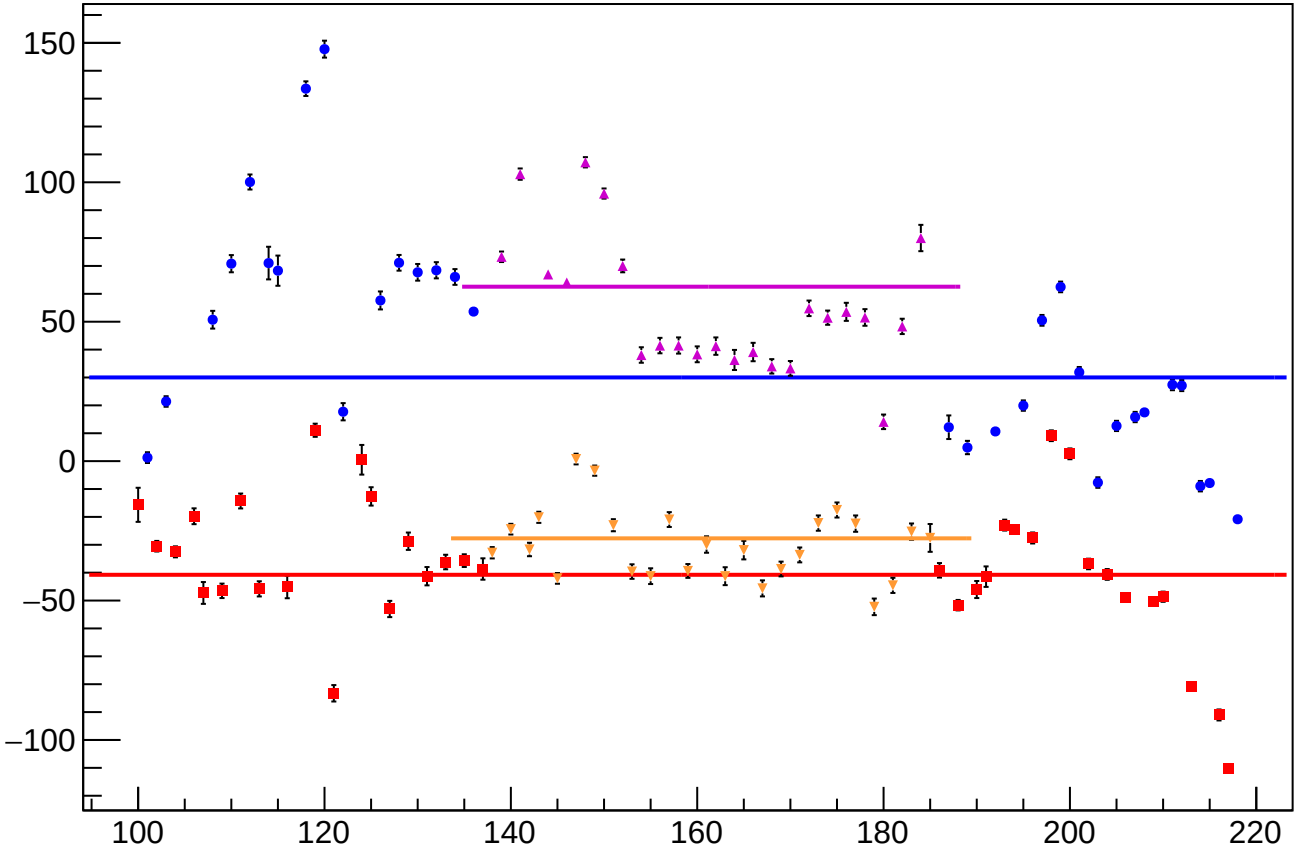
Left In: 1444.817+/-0.240 χ^2/NDF:485230.7/22

+ sign 1542.994+/-0.175 χ^2/NDF: 975133.5/56

All: 1541.964+/-0.124 χ^2/NDF: 2094734.5/11

- sign 1540.921+/-0.176 χ^2/NDF: 1119531.1/58

diff_bpm0i05X_mean vs Slug



Right In: 30.018+/-0.393 χ^2/NDF: 8239.2/31

Left Out: -27.692+/-0.496 χ^2/NDF:766.1/24

Right Out: -40.763+/-0.384 χ^2/NDF: 5242.4/35

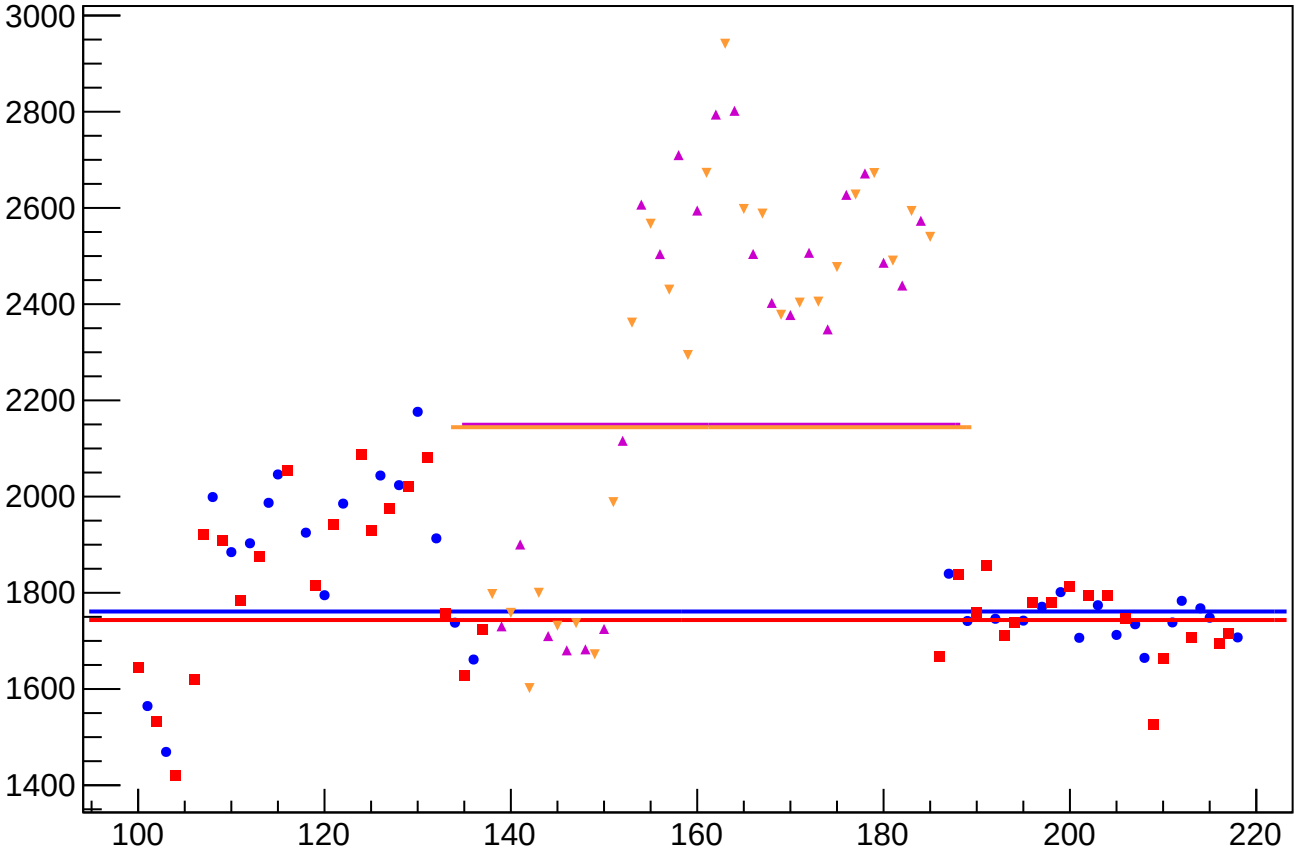
Left In: 62.558+/-0.512 χ^2/NDF:2458.2/22

+ sign 7.756+/-0.308 χ^2/NDF: 17319.8/56

All: 2.116+/-0.218 χ^2/NDF: 51749.3/115

- sign -3.497+/-0.307 χ^2/NDF: 33760.7/58

diff_bpm0i05X_rms vs Slug



Right In: 1761.141+/-0.278 χ^2/NDF: 212600.7/31

Left Out: 2144.219+/-0.351 χ^2/NDF:1279852.9/24

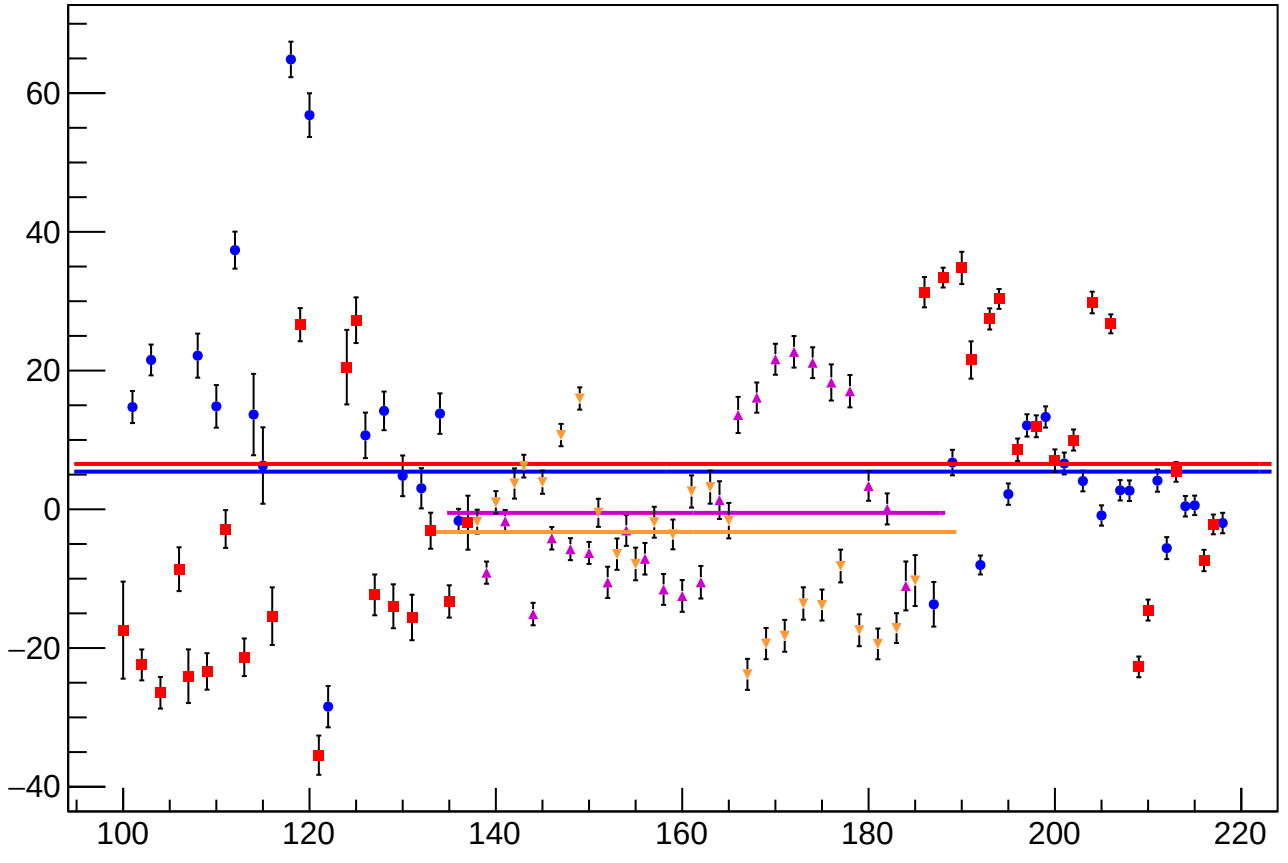
Right Out: 1743.409+/-0.272 χ^2/NDF: 248525.0/35

Left In: 2149.354+/-0.362 χ^2/NDF:1265722.5/22

+ sign 1908.910+/-0.218 χ^2/NDF: 2225186.0/56

All: 1899.344+/-0.154 χ^2/NDF: 4547863.8/11

- sign 1889.824+/-0.217 χ^2/NDF: 2318830.7/58



Right In: 5.431+/-0.339 χ^2/NDF: 1527.4/31

Left Out: -3.275+/-0.415 χ^2/NDF:671.1/24

Right Out: 6.543+/-0.334 χ^2/NDF: 3586.6/35

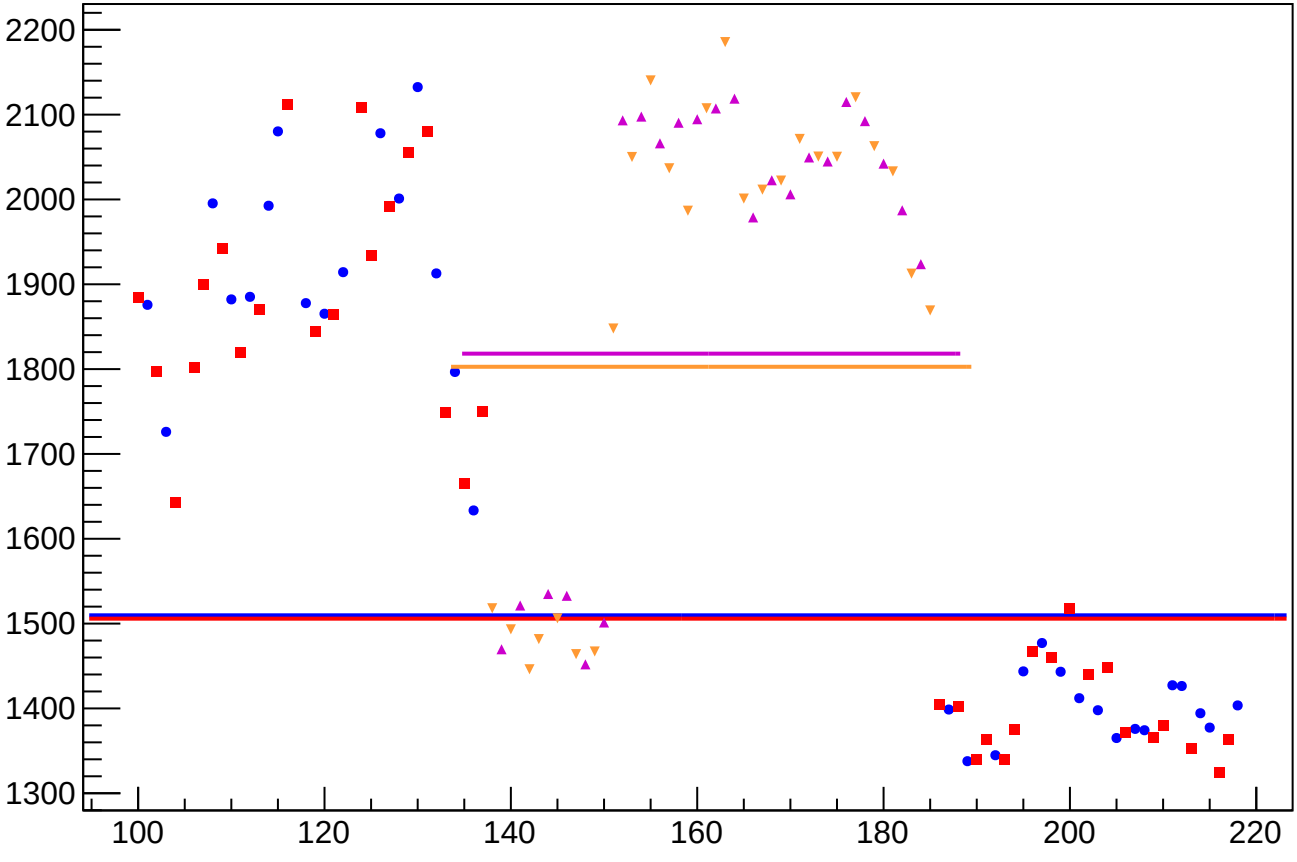
Left In: -0.511+/-0.430 χ^2/NDF:745.8/22

+ sign 1.939+/-0.263 χ^2/NDF: 2462.6/56

All: 2.908+/-0.186 χ^2/NDF: 6990.2/115

- sign 3.885+/-0.264 χ^2/NDF: 4500.3/58

diff_bpm0i05Y_rms vs Slug



Right In: 1509.766+/-0.240 χ^2/NDF: 784275.5/31

Left Out: 1802.748+/-0.293 χ^2/NDF:897375.1/24

Right Out: 1505.809+/-0.236 χ^2/NDF: 789608.2/35

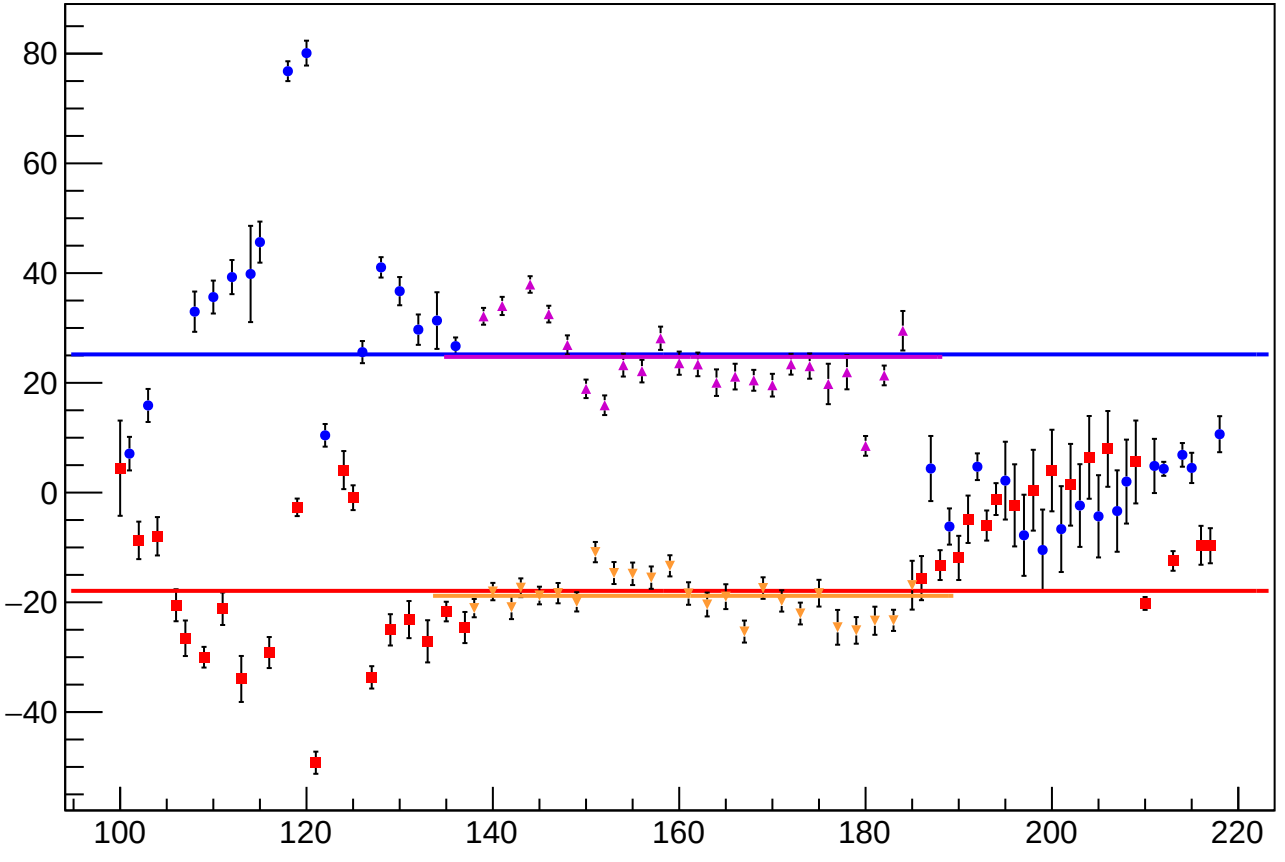
Left In: 1818.225+/-0.304 χ^2/NDF:840353.0/22

+ sign 1627.280+/-0.186 χ^2/NDF: 2279686.7/56

All: 1625.420+/-0.132 χ^2/NDF: 4568407.4/11

- sign 1623.543+/-0.187 χ^2/NDF: 2288519.1/58

diff_bpm0i07X_mean vs Slug



Right In: 25.183+/-0.493 χ^2/NDF: 2395.5/31

Left Out: -18.816+/-0.402 χ^2/NDF:74.9/24

Right Out: -17.912+/-0.459 χ^2/NDF: 767.4/35

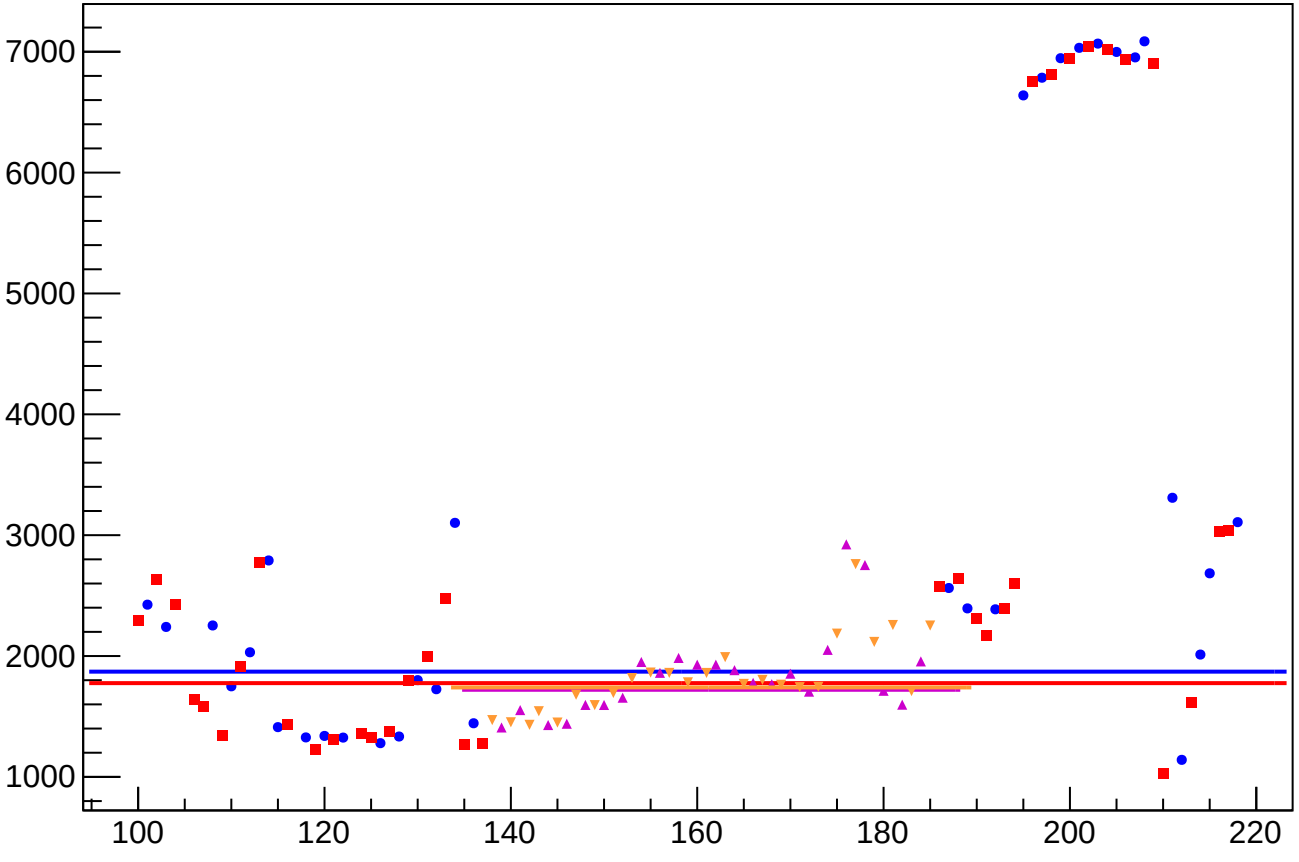
Left In: 24.731+/-0.409 χ^2/NDF:308.0/22

\+ sign -1.257+/-0.312 χ^2/NDF: 7252.8/56

All: 2.371+/-0.218 χ^2/NDF: 13412.2/115

\- sign 5.851+/-0.305 χ^2/NDF: 5893.7/58

diff_bpm0i07X_rms vs Slug



Right In: 1870.835+/-0.349 χ^2/NDF: 10037965.7/31

Left Out: 1740.089+/-0.284 χ^2/NDF:753377.5/24

Right Out: 1775.862+/-0.324 χ^2/NDF: 10072661.0/35

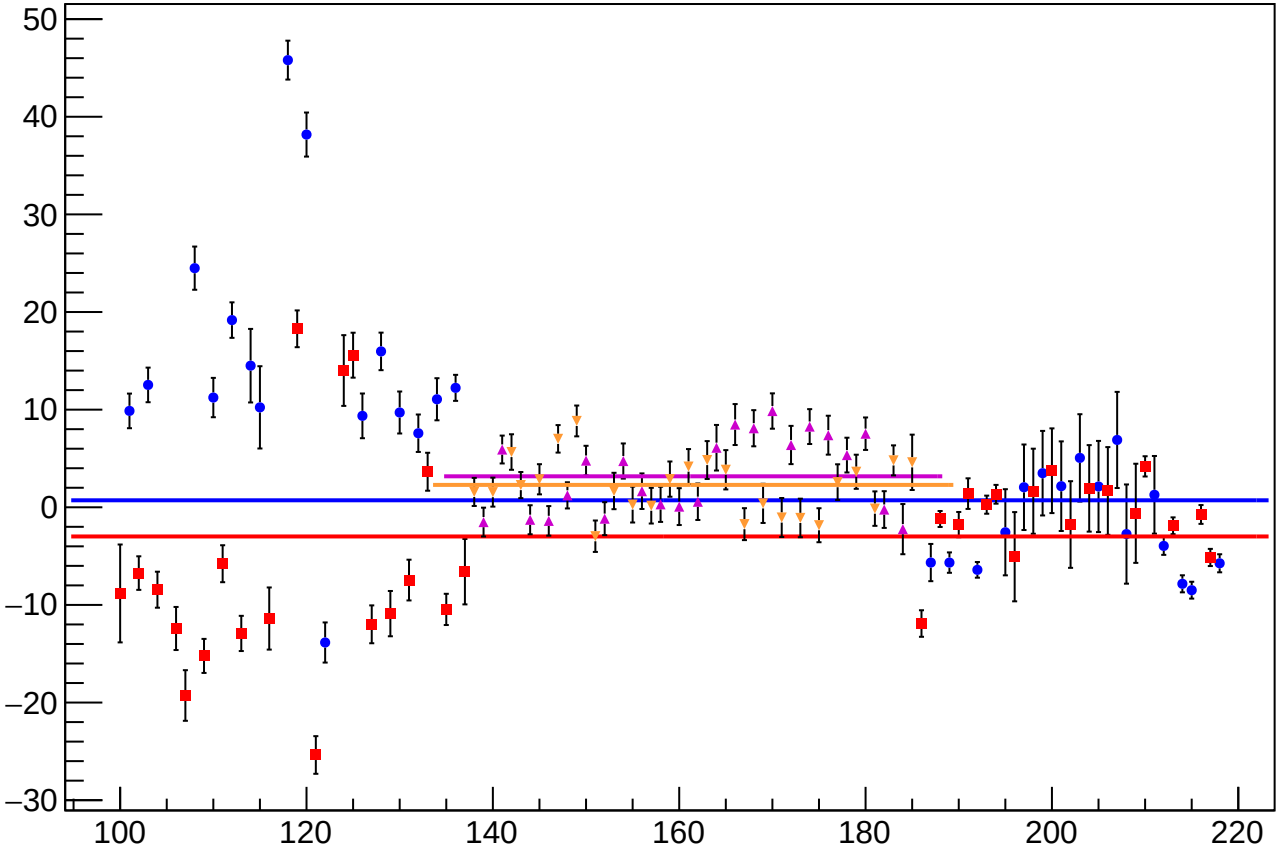
Left In: 1720.864+/-0.289 χ^2/NDF:883990.4/22

+ sign 1792.266+/-0.220 χ^2/NDF: 10875802.6/56

All: 1768.250+/-0.154 χ^2/NDF: 21871763.1/1

- sign 1745.214+/-0.216 χ^2/NDF: 10972680.4/58

diff_bpm0i07Y_mean vs Slug



Right In: 0.716+/-0.287 χ^2/NDF: 1794.3/31

Left Out: 2.293+/-0.343 χ^2/NDF:73.5/24

Right Out: -2.988+/-0.262 χ^2/NDF: 739.4/35

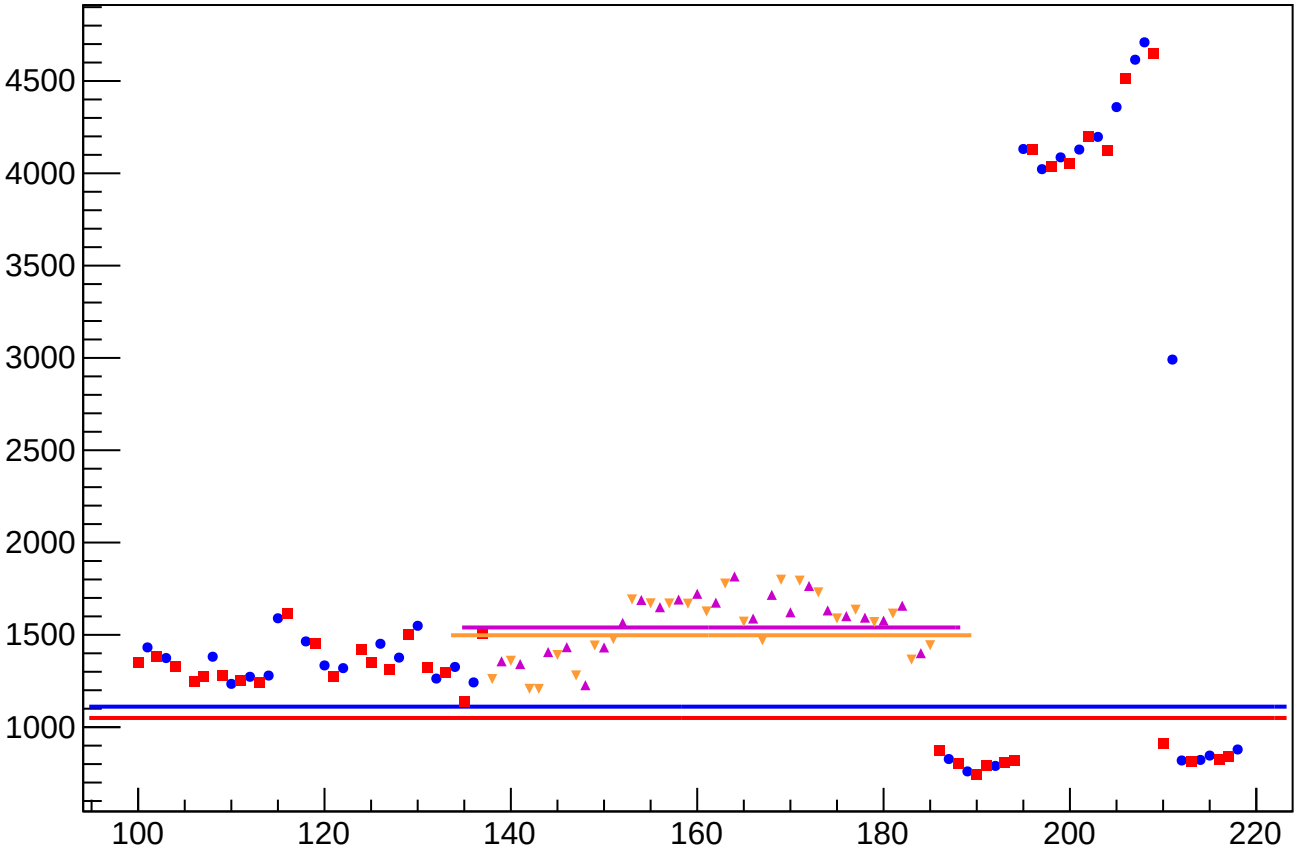
Left In: 3.173+/-0.362 χ^2/NDF:110.4/22

+ sign 1.365+/-0.220 χ^2/NDF: 1880.2/56

All: 0.204+/-0.153 χ^2/NDF: 2973.4/115

- sign -0.874+/-0.212 χ^2/NDF: 1039.6/58

diff_bpm0i07Y_rms vs Slug



Right In: 1111.075+/-0.203 χ^2/NDF: 9849773.2/31

Left Out: 1497.713+/-0.243 χ^2/NDF:568629.4/24

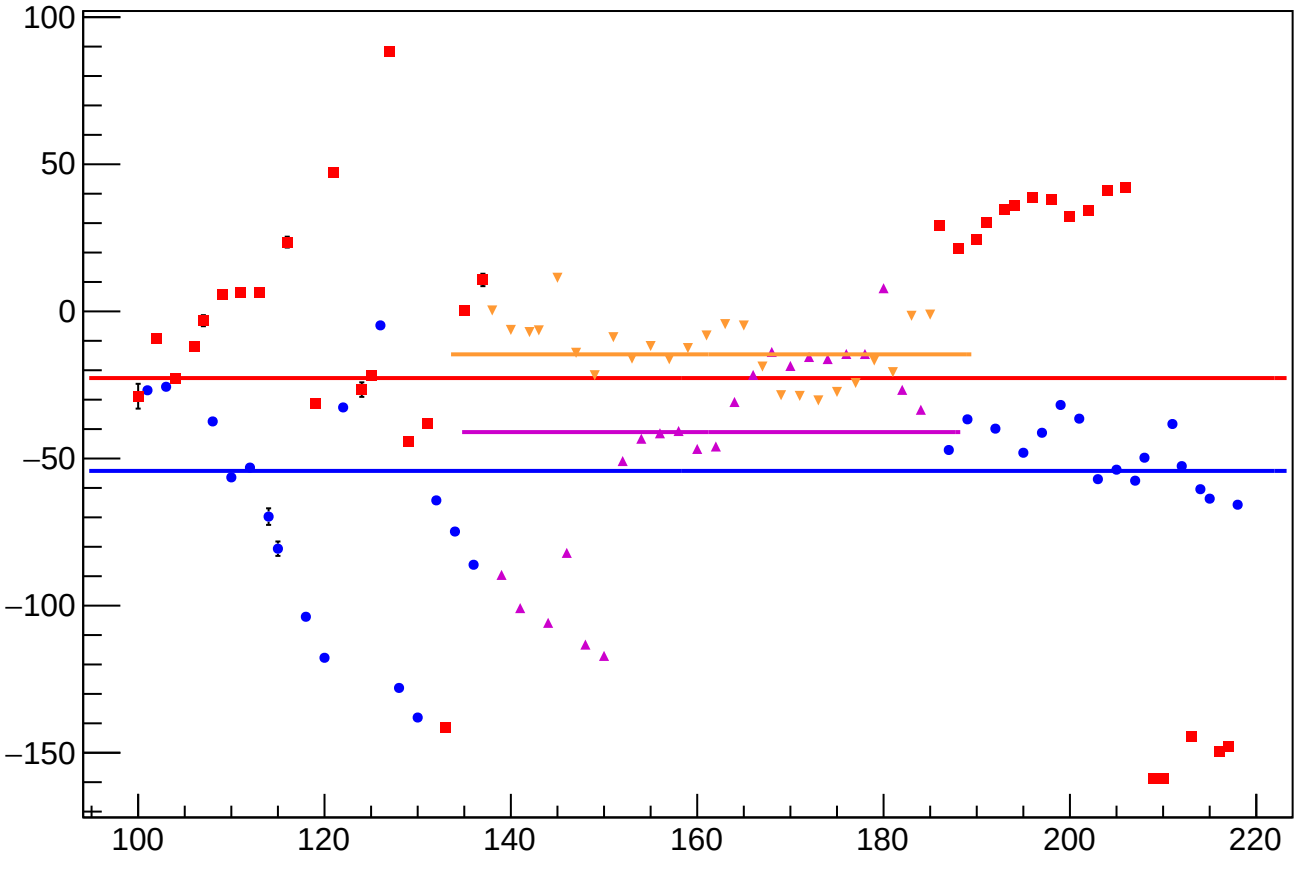
Right Out: 1049.780+/-0.185 χ^2/NDF: 8700961.2/35

Left In: 1539.884+/-0.256 χ^2/NDF:380330.7/22

+ sign 1270.127+/-0.156 χ^2/NDF: 11910149.7/56

All: 1243.101+/-0.108 χ^2/NDF: 23451436.7/1

- sign 1217.994+/-0.150 χ^2/NDF: 11483223.2/58



Right In: -54.212+/-0.158 χ^2/NDF: 18929.8/31

Left Out: -14.597+/-0.183 χ^2/NDF:3159.3/24

Right Out: -22.657+/-0.157 χ^2/NDF: 268461.8/35

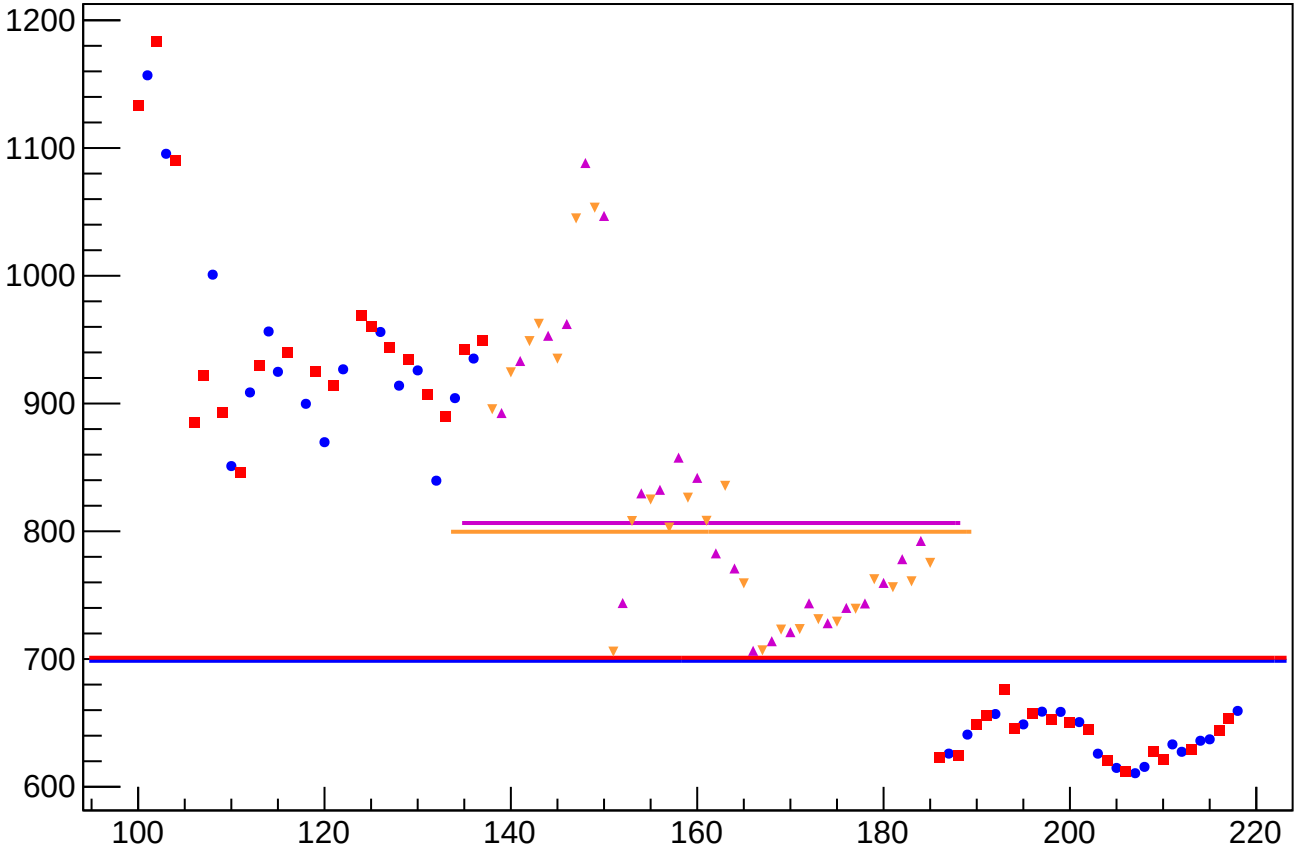
Left In: -41.021+/-0.190 χ^2/NDF:31066.6/22

+ sign -37.296+/-0.120 χ^2/NDF: 48955.0/56

All: -33.731+/-0.085 χ^2/NDF: 355852.2/115

- sign -30.093+/-0.121 χ^2/NDF: 305100.5/58

diff_bpm1i02X_rms vs Slug



Right In: 698.618+/-0.112 χ^2/NDF: 1292906.7/31

Left Out: 799.639+/-0.129 χ^2/NDF:497430.7/24

Right Out: 701.010+/-0.111 χ^2/NDF: 1345550.4/35

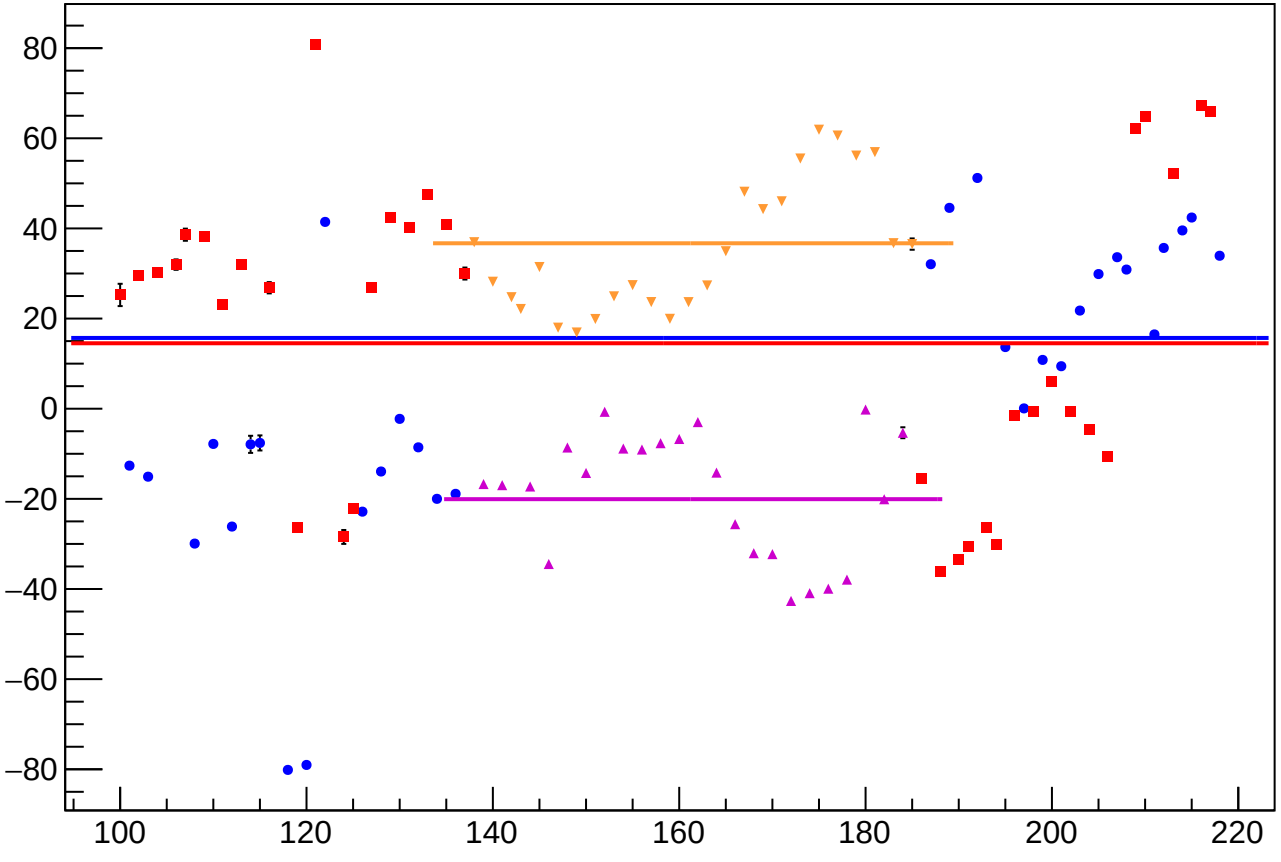
Left In: 806.478+/-0.134 χ^2/NDF:511294.8/22

+ sign 741.756+/-0.085 χ^2/NDF: 2139765.2/56

All: 742.725+/-0.060 χ^2/NDF: 4364466.9/115

- sign 743.714+/-0.085 χ^2/NDF: 2224436.3/58

diff_bpm1i02Y_mean vs Slug



Right In: 15.702+/-0.118 χ^2/NDF: 54679.0/31

Left Out: 36.705+/-0.145 χ^2/NDF:10231.1/24

Right Out: 14.521+/-0.117 χ^2/NDF: 94034.1/35

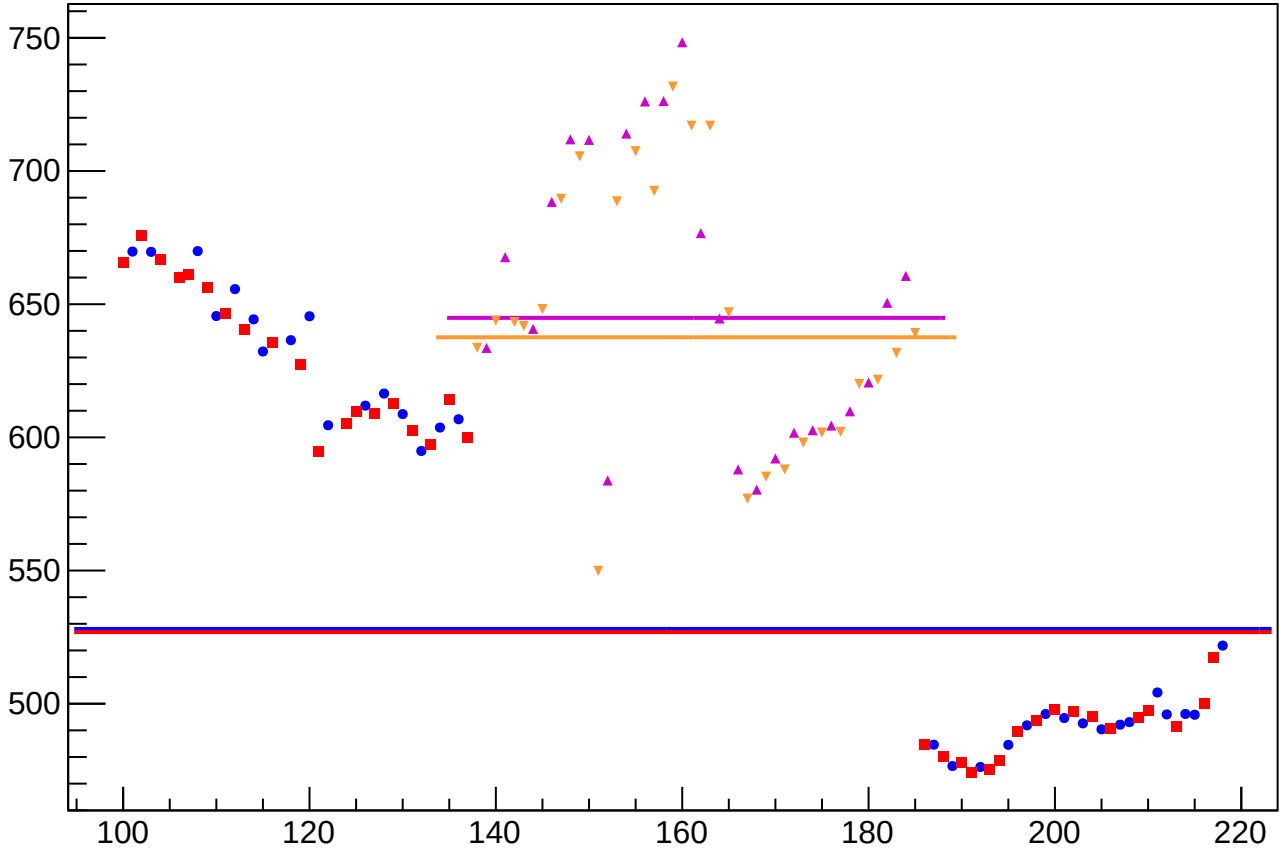
Left In: -20.069+/-0.151 χ^2/NDF:8560.6/22

+ sign 24.060+/-0.092 χ^2/NDF: 77467.1/56

All: 12.917+/-0.065 χ^2/NDF: 242577.6/115

- sign 1.636+/-0.092 χ^2/NDF: 135420.2/58

diff_bpm1i02Y_rms vs Slug



Right In: 528.073+/-0.084 χ^2/NDF: 542137.6/31

Left Out: 637.569+/-0.103 χ^2/NDF:236539.6/24

Right Out: 526.879+/-0.082 χ^2/NDF: 574584.4/35

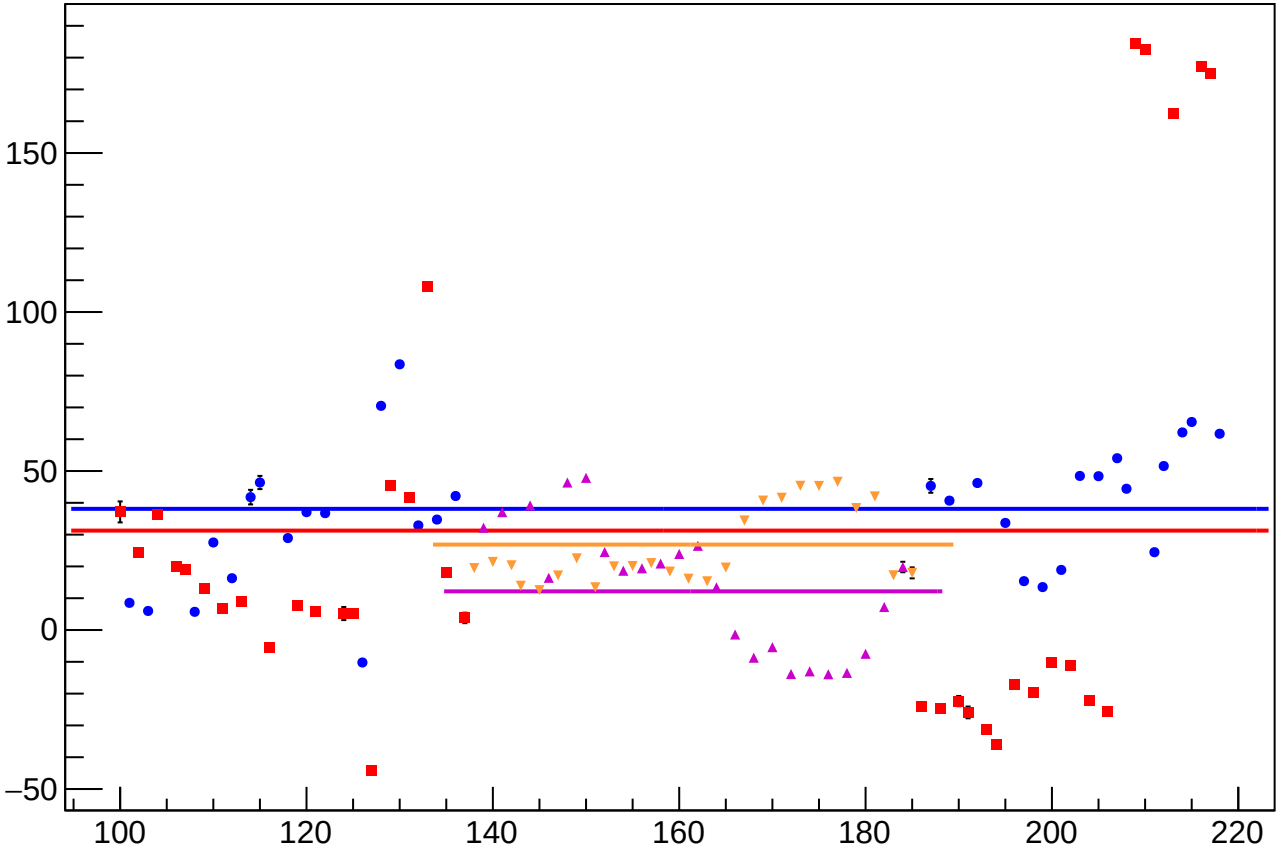
Left In: 644.873+/-0.107 χ^2/NDF:229560.3/22

+ sign 571.645+/-0.065 χ^2/NDF: 1461307.7/56

All: 571.240+/-0.046 χ^2/NDF: 3029480.2/115

- sign 570.830+/-0.065 χ^2/NDF: 1568094.1/58

diff_bpm1i04X_mean vs Slug



Right In: 38.105+/-0.194 χ^2/NDF: 11262.8/31

Left Out: 26.866+/-0.207 χ^2/NDF:3390.4/24

Right Out: 31.263+/-0.192 χ^2/NDF: 142032.0/35

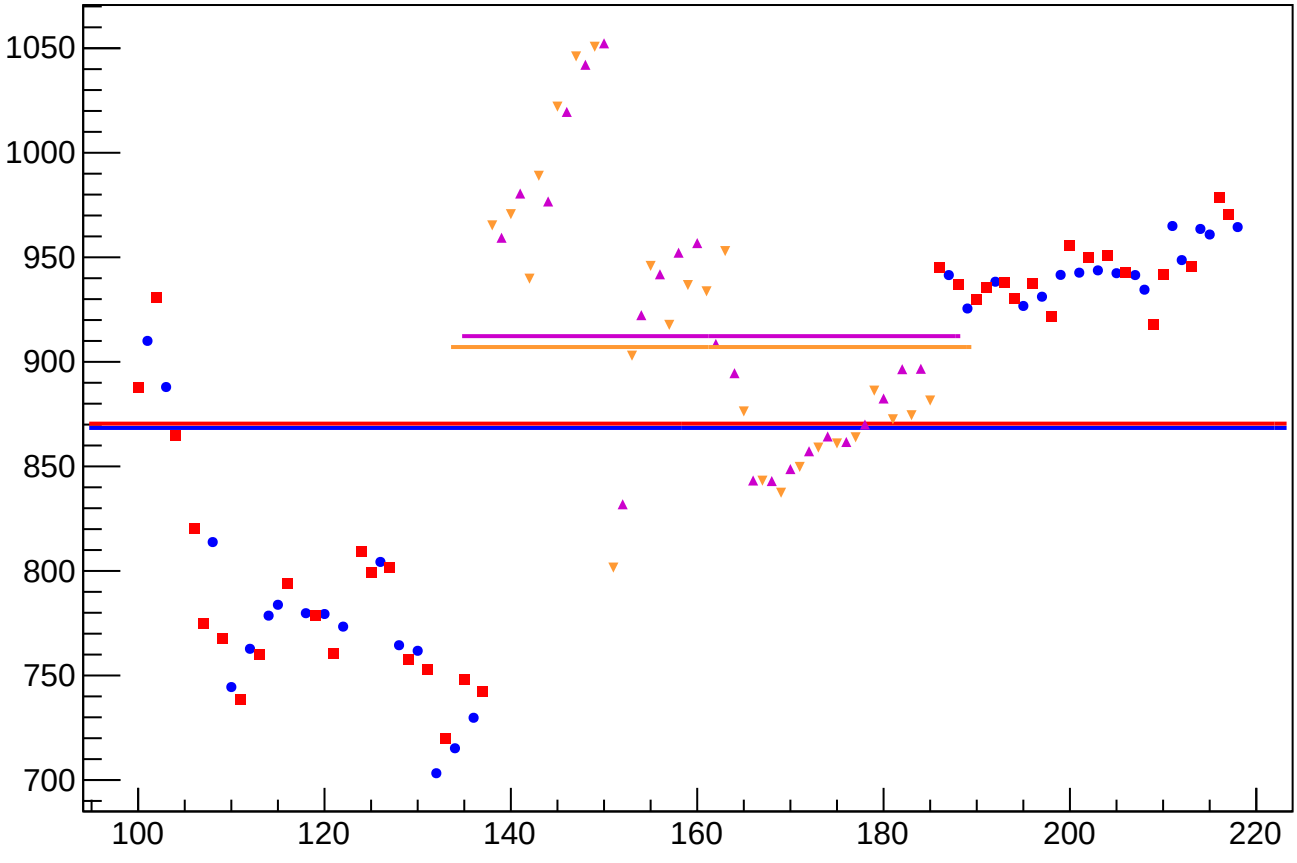
Left In: 12.159+/-0.214 χ^2/NDF:8547.0/22

\+ sign 32.834+/-0.142 χ^2/NDF: 16223.4/56

All: 27.825+/-0.101 χ^2/NDF: 173749.7/115

\- sign 22.721+/-0.143 χ^2/NDF: 154998.1/58

diff_bpm1i04X_rms vs Slug



Right In: 868.393+/-0.137 χ^2/NDF: 455205.4/31

Left Out: 907.089+/-0.146 χ^2/NDF:194606.8/24

Right Out: 870.456+/-0.136 χ^2/NDF: 417481.0/35

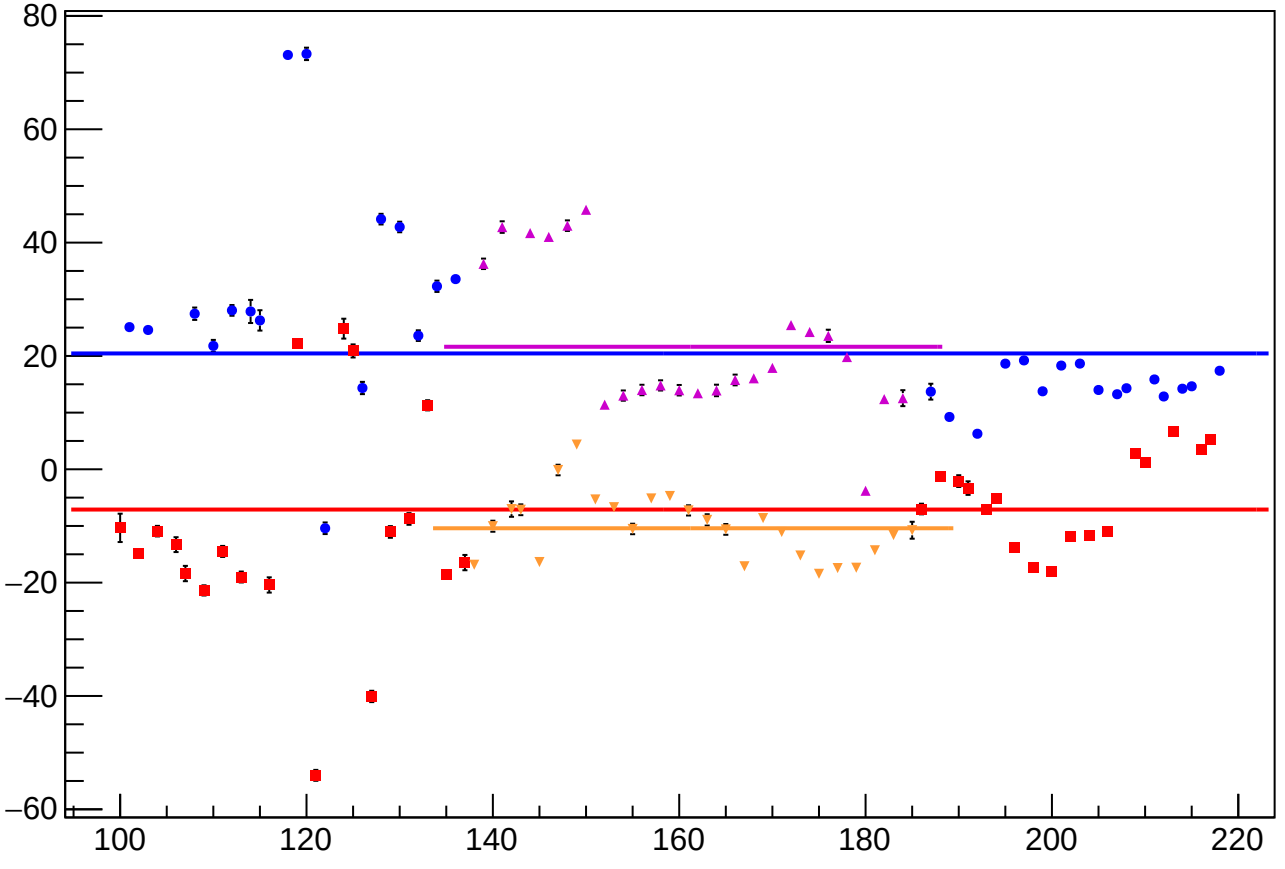
Left In: 912.301+/-0.151 χ^2/NDF:174715.2/22

+ sign 886.542+/-0.100 χ^2/NDF: 687039.8/56

All: 887.841+/-0.071 χ^2/NDF: 1321980.1/115

- sign 889.165+/-0.101 χ^2/NDF: 634600.2/58

diff_bpm1i04Y_mean vs Slug



Right In: 20.443+/-0.136 χ^2/NDF: 10461.1/31

Left Out: -10.406+/-0.176 χ^2/NDF:1041.8/24

Right Out: -7.104+/-0.134 χ^2/NDF: 9568.4/35

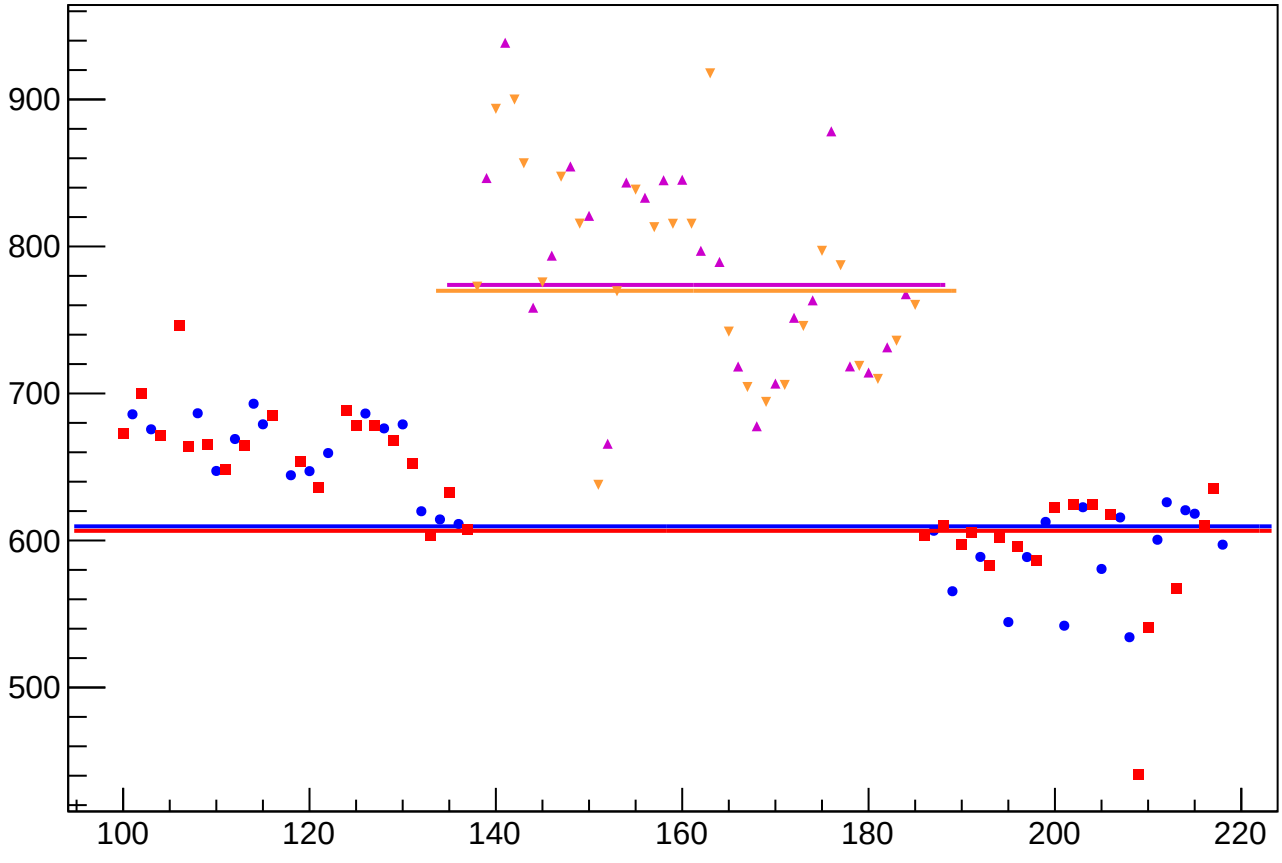
Left In: 21.621+/-0.182 χ^2/NDF:5241.8/22

+ sign 8.871+/-0.108 χ^2/NDF: 30701.5/56

All: 5.947+/-0.076 χ^2/NDF: 63135.0/115

- sign 3.013+/-0.108 χ^2/NDF: 30958.8/58

diff_bpm1i04Y_rms vs Slug



Right In: 609.622+/-0.096 χ^2/NDF: 197650.9/31

Left Out: 769.850+/-0.124 χ^2/NDF:304526.6/24

Right Out: 606.568+/-0.095 χ^2/NDF: 412736.4/35

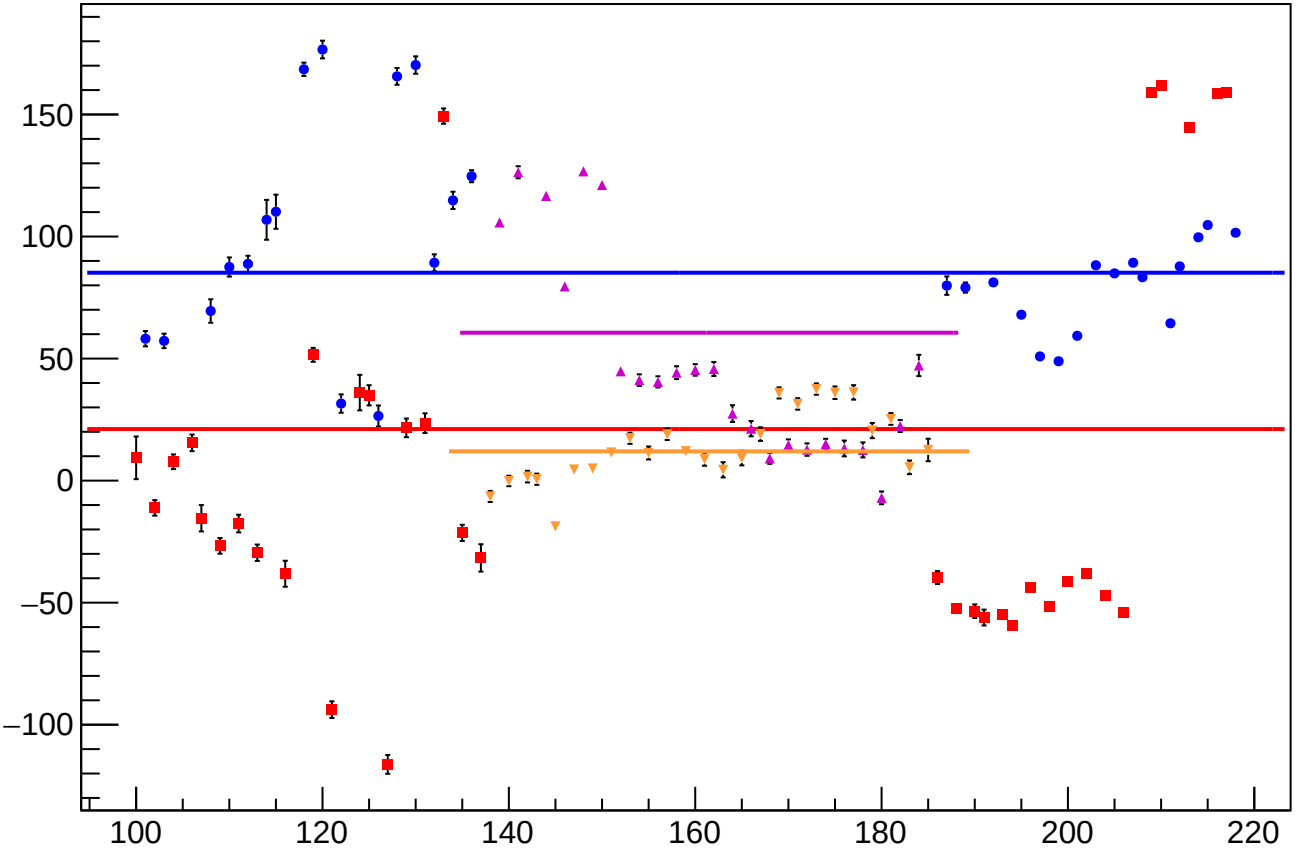
Left In: 773.845+/-0.129 χ^2/NDF:282843.1/22

+ sign 669.722+/-0.076 χ^2/NDF: 1538015.5/56

All: 667.604+/-0.054 χ^2/NDF: 3330407.1/115

- sign 665.480+/-0.076 χ^2/NDF: 1790844.9/58

diff_bpm1i06X_mean vs Slug



Right In: 85.182+/-0.407 χ^2/NDF: 5109.1/31

Left Out: 11.989+/-0.472 χ^2/NDF:947.1/24

Right Out: 21.130+/-0.397 χ^2/NDF: 55367.4/35

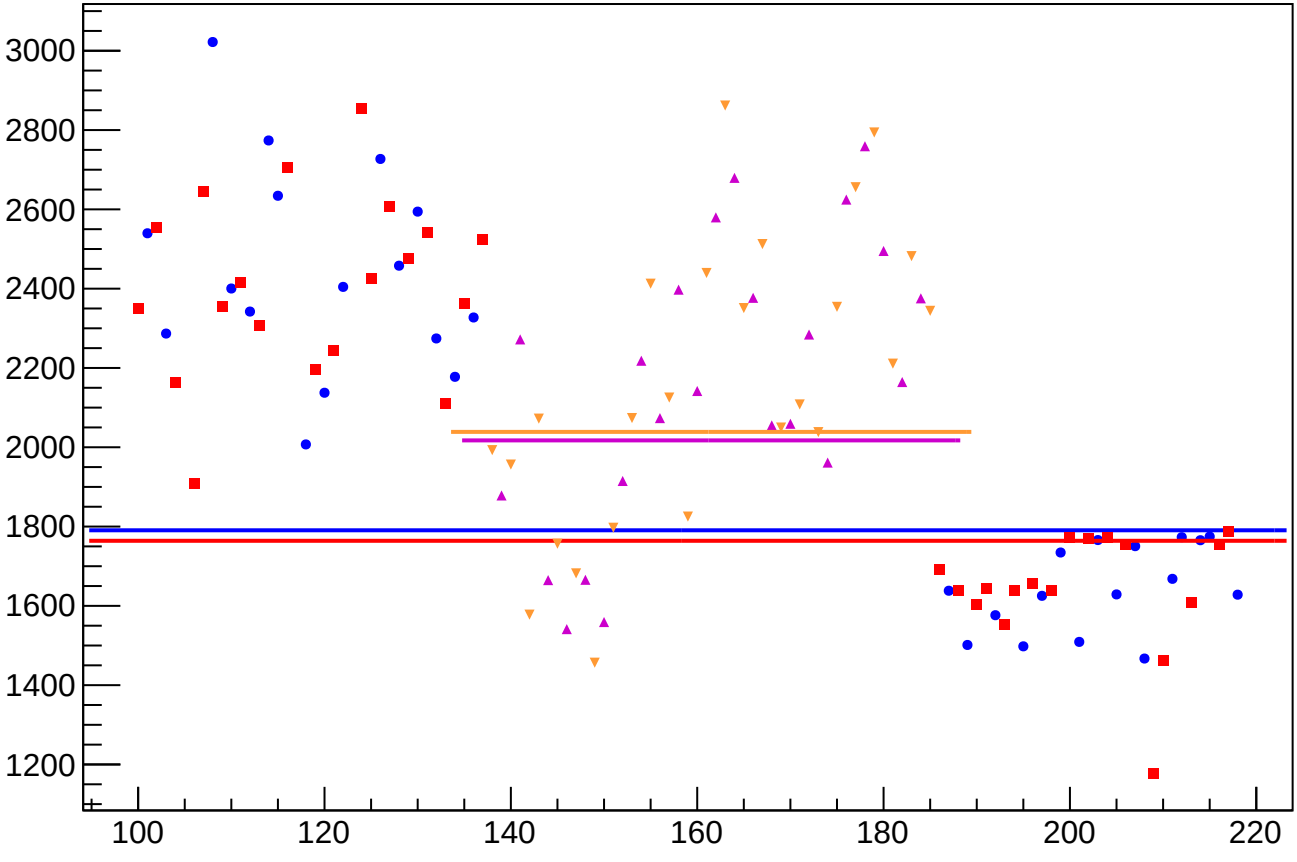
Left In: 60.598+/-0.481 χ^2/NDF:8638.1/22

\+ sign 53.929+/-0.308 χ^2/NDF: 19861.7/56

All: 45.459+/-0.217 χ^2/NDF: 89376.7/115

\- sign 37.107+/-0.306 χ^2/NDF: 68014.4/58

diff_bpm1i06X_rms vs Slug



Right In: 1790.600+/-0.288 χ^2/NDF: 1317181.8/31

Left Out: 2038.784+/-0.333 χ^2/NDF:1123518.3/24

Right Out: 1764.118+/-0.280 χ^2/NDF: 1598298.5/35

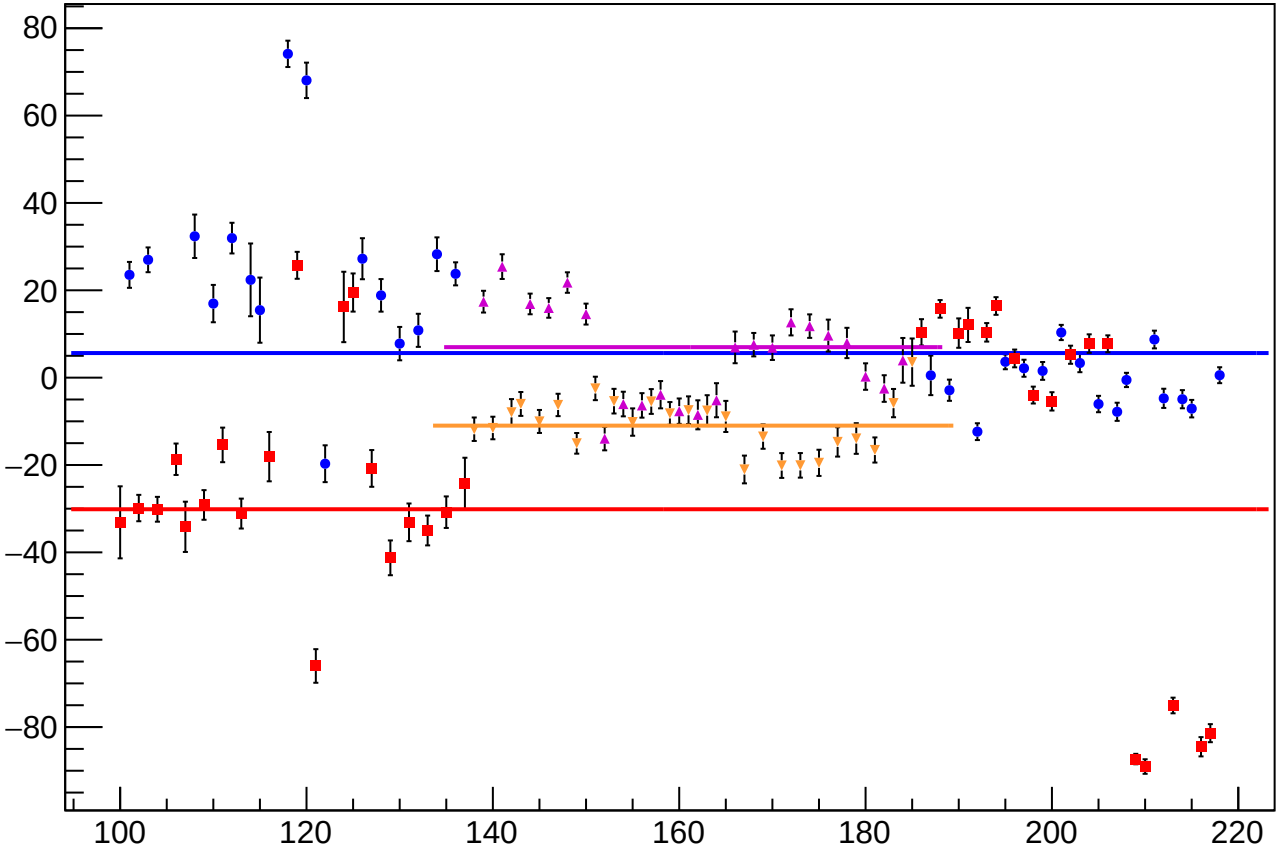
Left In: 2017.328+/-0.340 χ^2/NDF:1050043.3/22

+ sign 1896.574+/-0.218 χ^2/NDF: 2758160.1/56

All: 1881.493+/-0.154 χ^2/NDF: 5746019.7/11

- sign 1866.622+/-0.216 χ^2/NDF: 2978344.8/58

diff_bpm1i06Y_mean vs Slug



Right In: 5.632+/-0.440 χ^2/NDF: 1408.2/31

Left Out: -10.985+/-0.586 χ^2/NDF:87.6/24

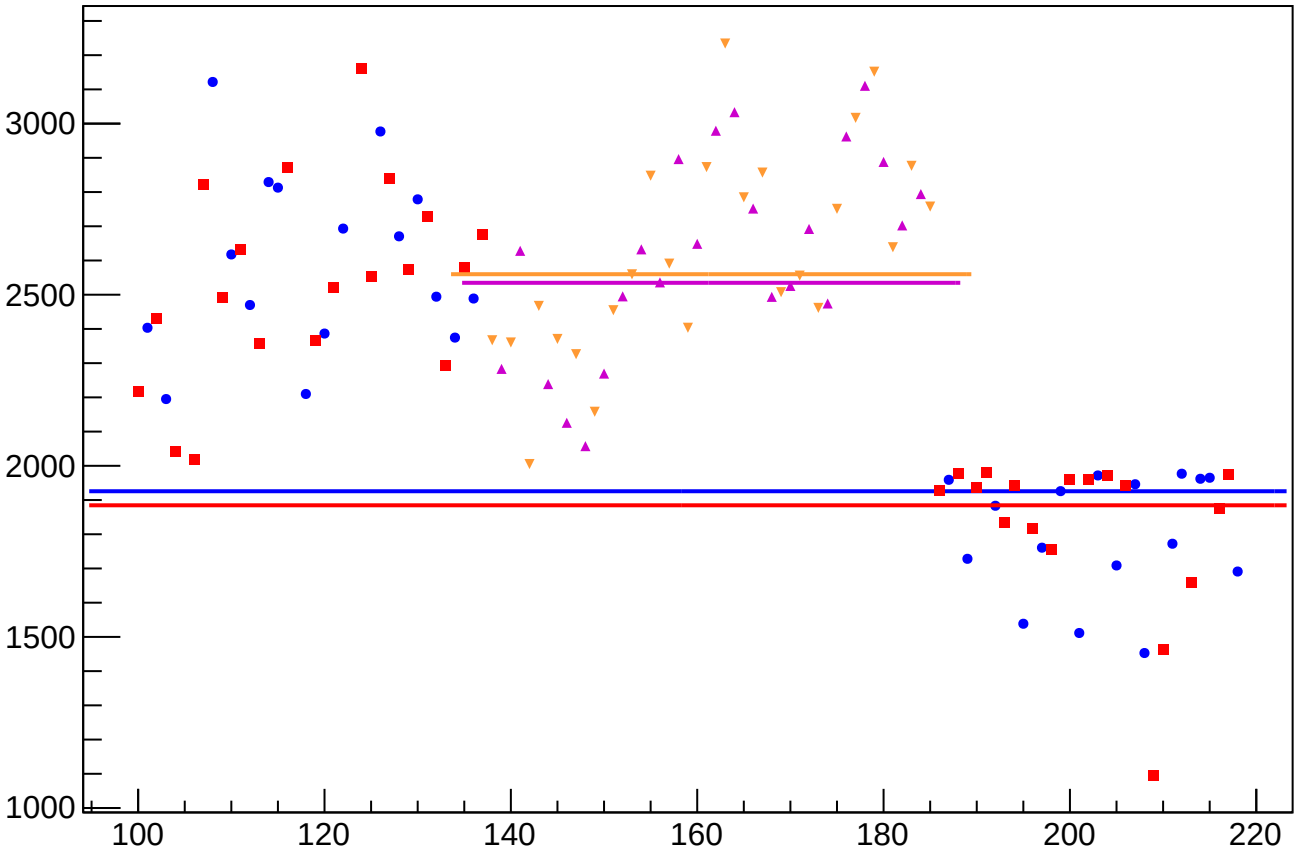
Right Out: -30.130+/-0.427 χ^2/NDF: 9472.7/35

Left In: 6.985+/-0.598 χ^2/NDF:339.5/22

\+ sign -0.368+/-0.352 χ^2/NDF: 2009.8/56

All: -9.086+/-0.247 χ^2/NDF: 15580.9/115

\- sign -17.595+/-0.348 χ^2/NDF: 12359.3/58



Right In: 1925.694+/-0.311 χ^2/NDF: 1378532.3/31

Left Out: 2559.931+/-0.414 χ^2/NDF:450188.5/24

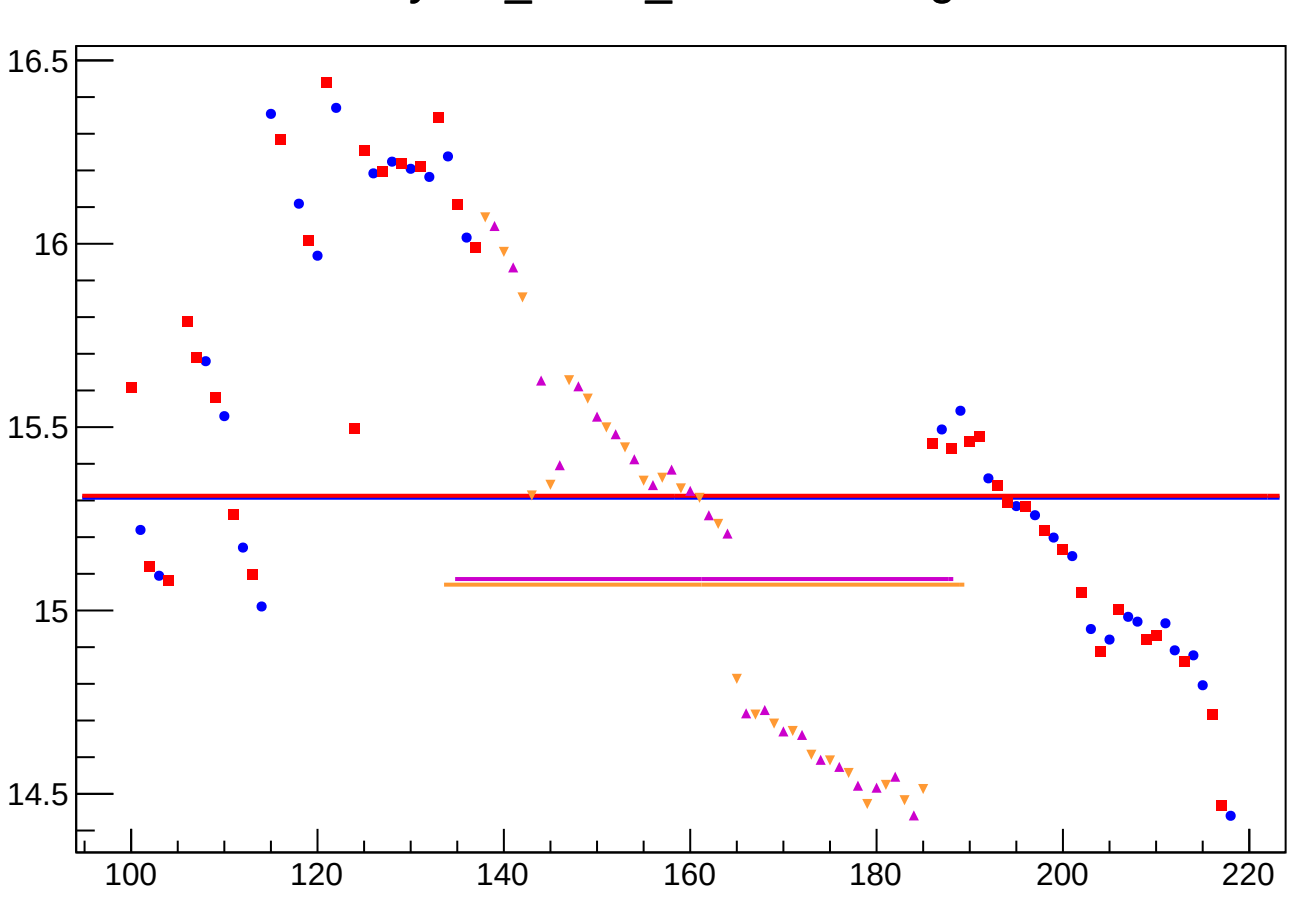
Right Out: 1884.622+/-0.302 χ^2/NDF: 2009816.9/35

Left In: 2534.780+/-0.423 χ^2/NDF:463621.9/22

+ sign 2154.690+/-0.249 χ^2/NDF: 3326202.3/56

All: 2129.137+/-0.175 χ^2/NDF: 7383716.6/11

- sign 2104.199+/-0.246 χ^2/NDF: 4036695.4/58



Right In: 15.308+/-0.000 χ^2/NDF: 35977064024.2/31

Left Out: 15.070+/-0.000 χ^2/NDF:43718295237.2/24

Right Out: 15.313+/-0.000 χ^2/NDF: 31731881508.5/35

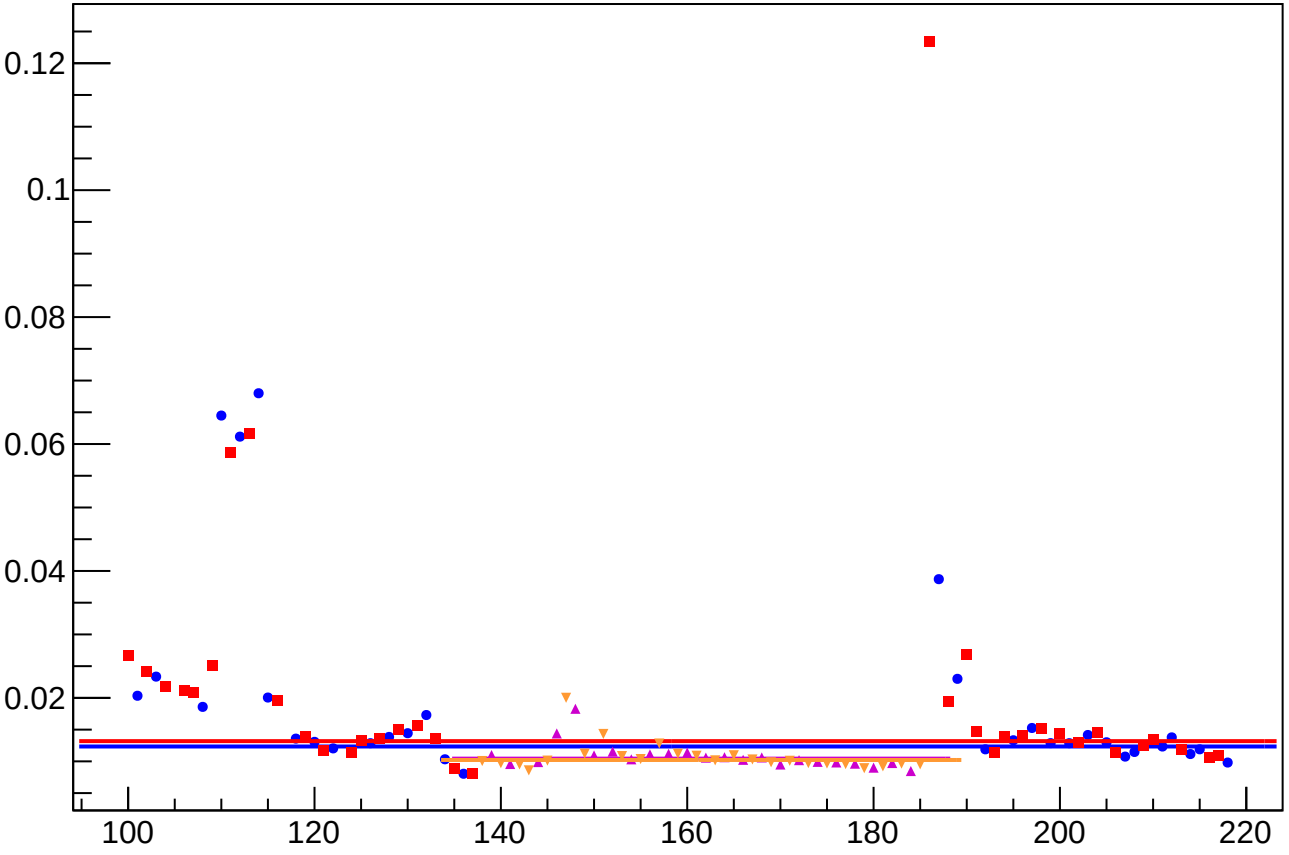
Left In: 15.086+/-0.000 χ^2/NDF:39504896066.7/22

+ sign 15.165+/-0.000 χ^2/NDF: 83596999809.3/56

All: 15.170+/-0.000 χ^2/NDF: 158047035392.

- sign 15.175+/-0.000 χ^2/NDF: 74436665646.4/58

yield_sam1_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF: 3003890.2/31

Left Out: 0.010+/-0.000 χ^2/NDF:760322.0/24

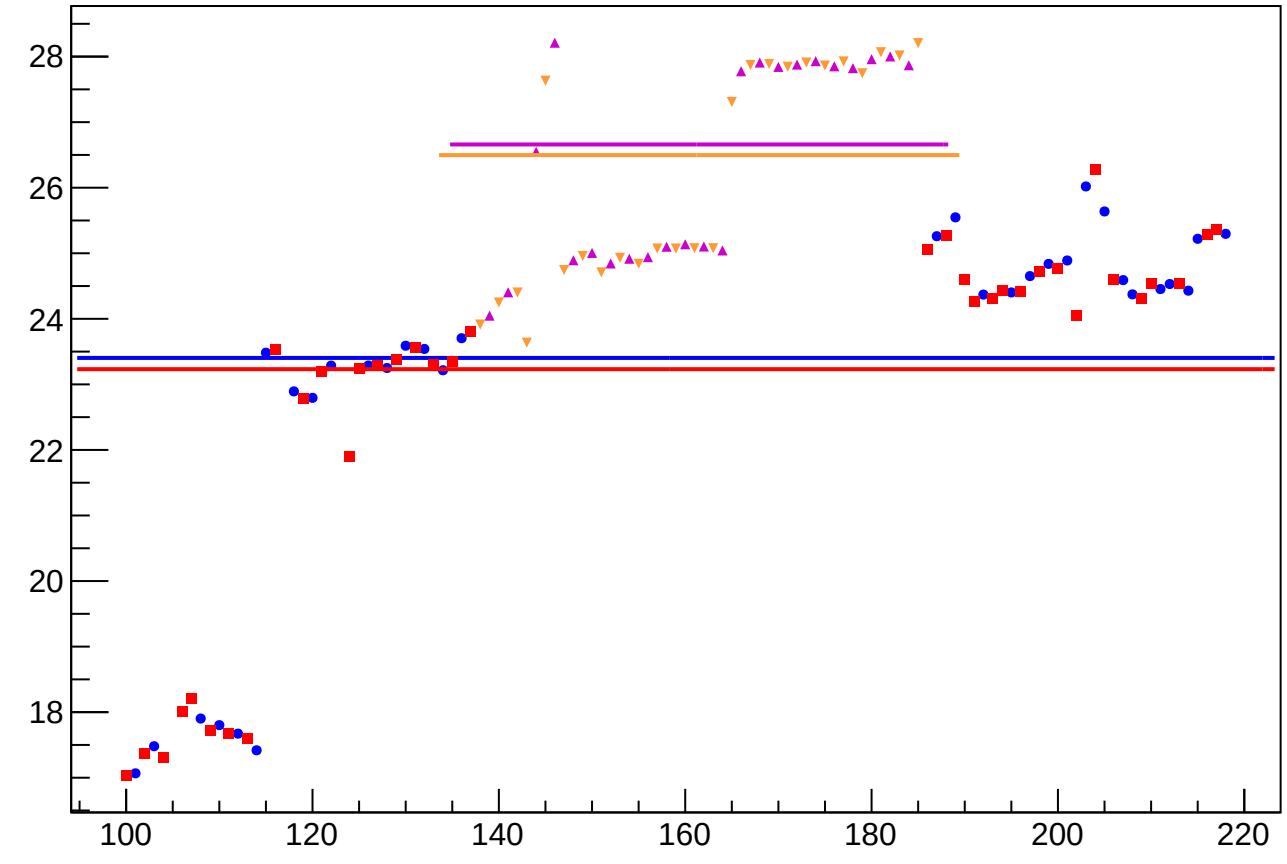
Right Out: 0.013+/-0.000 χ^2/NDF: 3566988.3/35

Left In: 0.010+/-0.000 χ^2/NDF:597752.6/22

+ sign 0.011+/-0.000 χ^2/NDF: 4391185.8/56

All: 0.011+/-0.000 χ^2/NDF: 9554236.6/115

- sign 0.012+/-0.000 χ^2/NDF: 5108535.2/58



Right In: 23.403+/-0.000 χ^2/NDF: 1759331837.8/31

Left Out: 26.498+/-0.000 χ^2/NDF:3909357236.5/24

Right Out: 23.232+/-0.000 χ^2/NDF: 1865989388.6/35

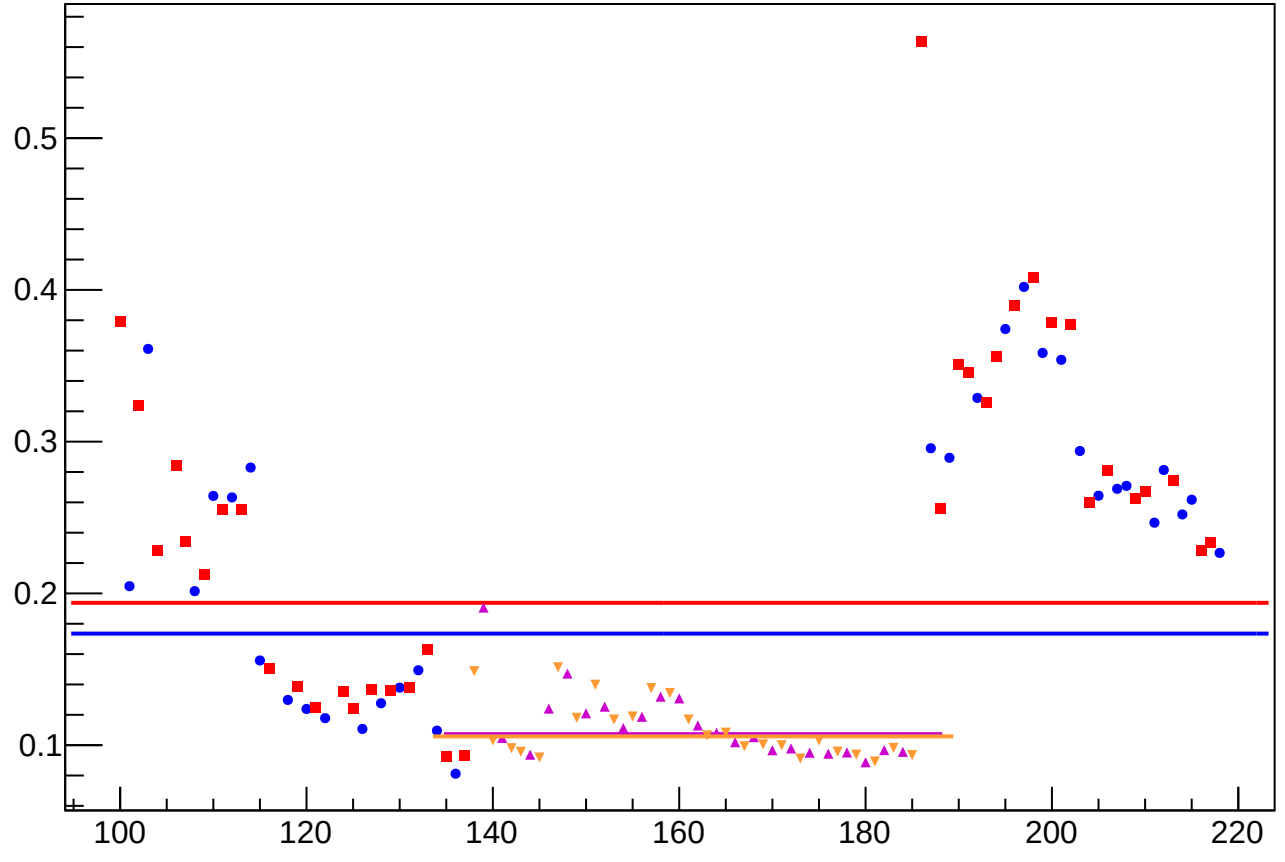
Left In: 26.660+/-0.000 χ^2/NDF:2886823196.4/22

+ sign 25.722+/-0.000 χ^2/NDF: 9228236684.3/56

All: 25.780+/-0.000 χ^2/NDF: 17799562574.4

- sign 25.844+/-0.000 χ^2/NDF: 8557448863.5/58

yield_sam2_rms vs Slug



Right In: 0.174+/-0.000 χ^2/NDF: 7681049.9/31

Left Out: 0.106+/-0.000 χ^2/NDF:756185.0/24

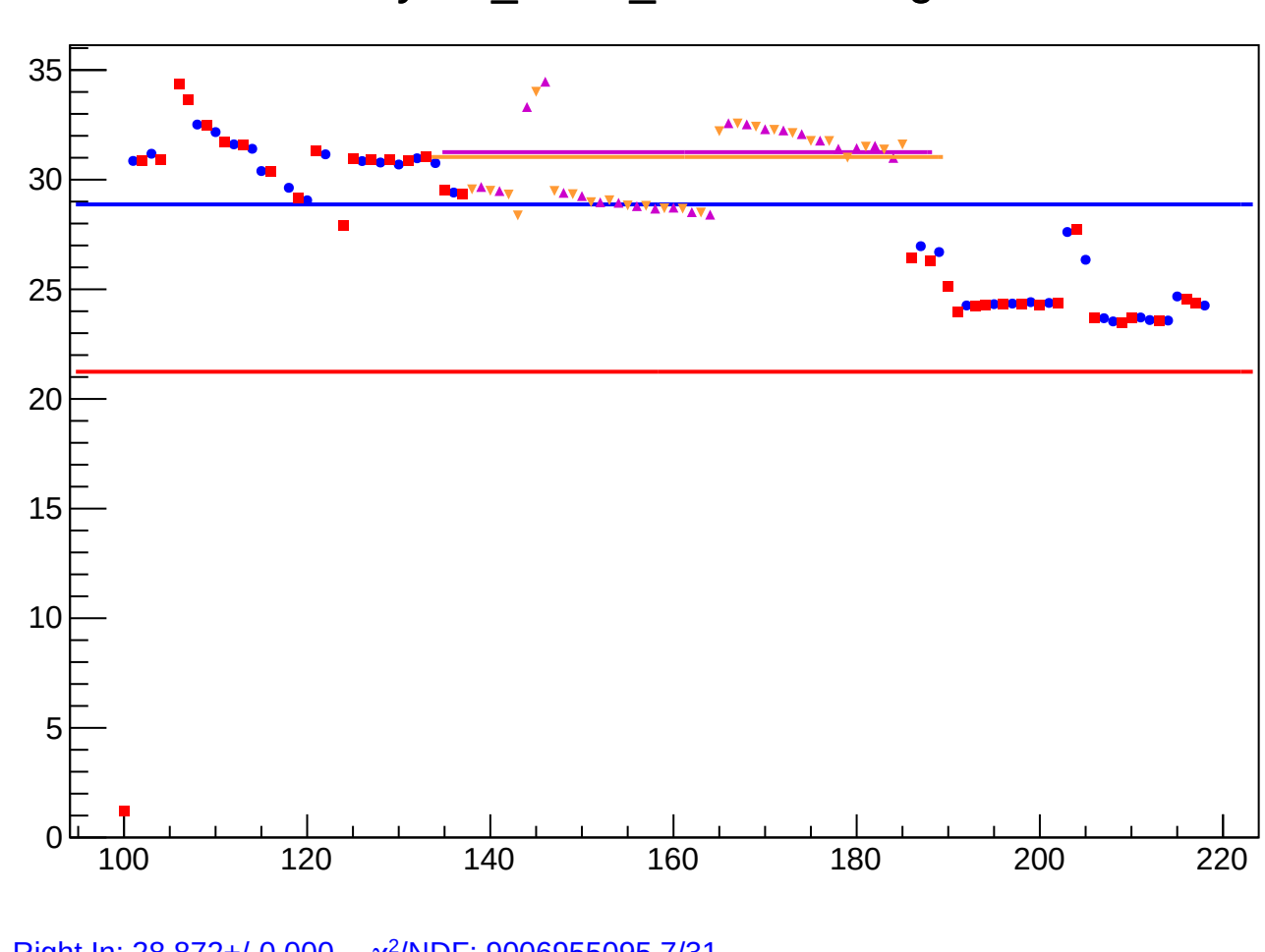
Right Out: 0.194+/-0.000 χ^2/NDF: 6752061.9/35

Left In: 0.107+/-0.000 χ^2/NDF:859458.3/22

+ sign 0.123+/-0.000 χ^2/NDF: 11847924.8/56

All: 0.125+/-0.000 χ^2/NDF: 24357360.8/115

- sign 0.128+/-0.000 χ^2/NDF: 12460643.0/58



Right In: 28.872+/-0.000 χ^2/NDF: 9006955095.7/31

Left Out: 31.035+/-0.000 χ^2/NDF:11897463221.2/24

Right Out: 21.240+/-0.000 χ^2/NDF: 226850244848.2/35

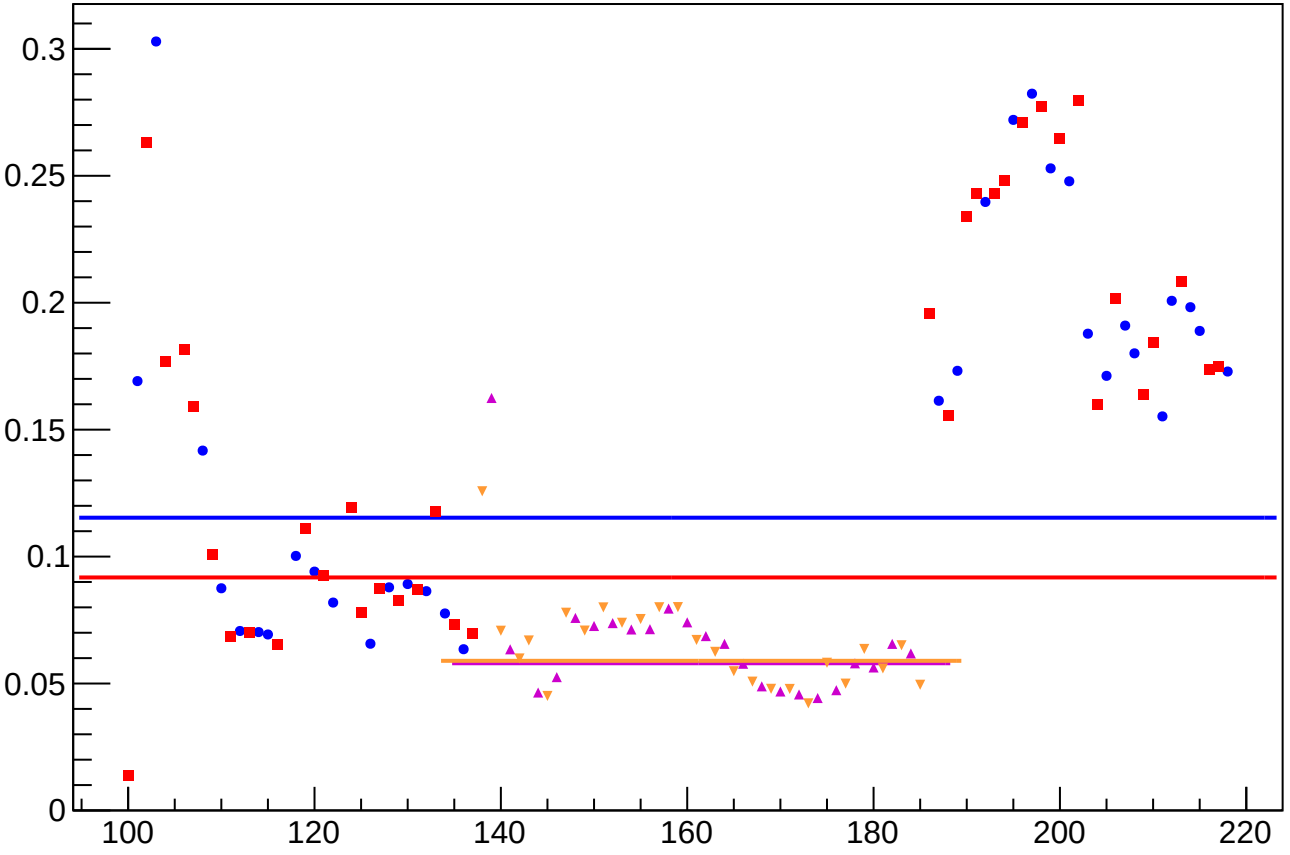
Left In: 31.256+/-0.000 χ^2/NDF:12589744083.0/22

+ sign 30.596+/-0.000 χ^2/NDF: 24970945470.8/56

All: 29.643+/-0.000 χ^2/NDF: 378941609446.

- sign 28.717+/-0.000 χ^2/NDF: 344352193412.2/58

yield_sam3_rms vs Slug



Right In: 0.115+/-0.000 χ^2/NDF: 7741810.3/31

Left Out: 0.059+/-0.000 χ^2/NDF:1536601.0/24

Right Out: 0.092+/-0.000 χ^2/NDF: 14125904.1/35

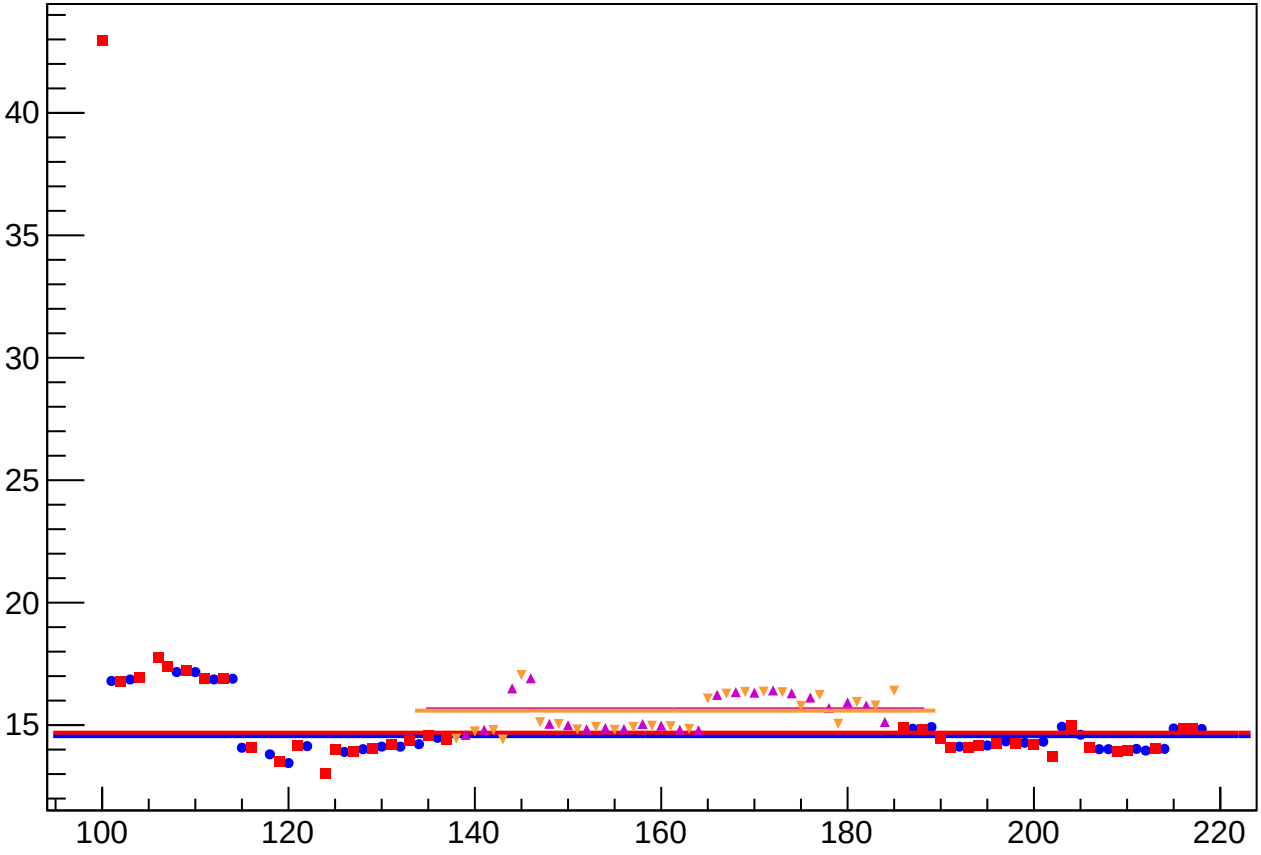
Left In: 0.058+/-0.000 χ^2/NDF:1716553.7/22

+ sign 0.070+/-0.000 χ^2/NDF: 14801905.3/56

All: 0.068+/-0.000 χ^2/NDF: 33113349.4/115

- sign 0.067+/-0.000 χ^2/NDF: 18231510.7/58

yield_sam4_mean vs Slug



Right In: 14.549+/-0.000 χ^2/NDF: 1276374928.3/31

Left Out: 15.591+/-0.000 χ^2/NDF:2257437225.0/24

Right Out: 14.692+/-0.000 χ^2/NDF: 1875949018.1/35

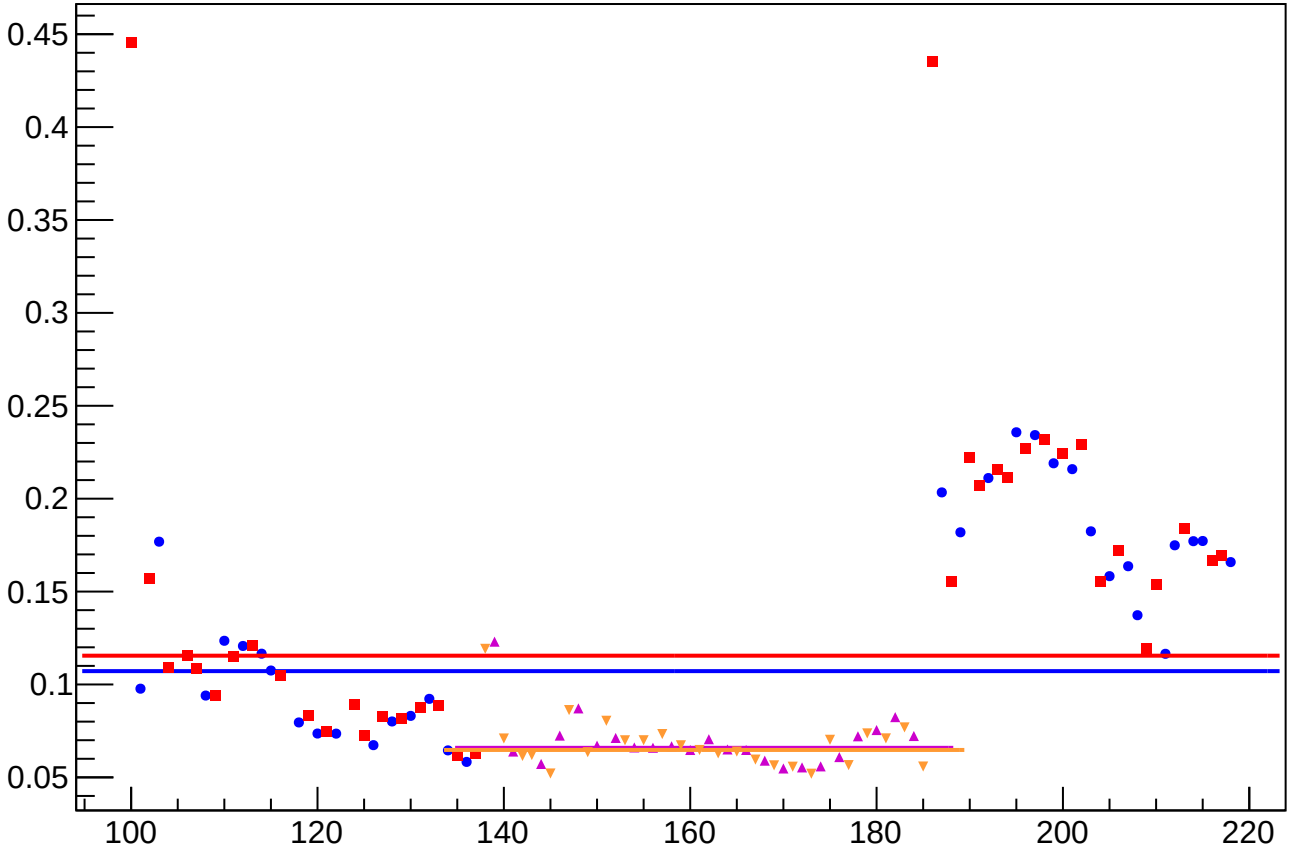
Left In: 15.645+/-0.000 χ^2/NDF:1858454747.6/22

+ sign 15.324+/-0.000 χ^2/NDF: 4622434444.6/56

All: 15.362+/-0.000 χ^2/NDF: 9196270765.0/1

- sign 15.403+/-0.000 χ^2/NDF: 4558020655.3/58

yield_sam4_rms vs Slug



Right In: 0.107+/-0.000 χ^2/NDF: 6708997.3/31

Left Out: 0.065+/-0.000 χ^2/NDF:855753.3/24

Right Out: 0.115+/-0.000 χ^2/NDF: 6271835.0/35

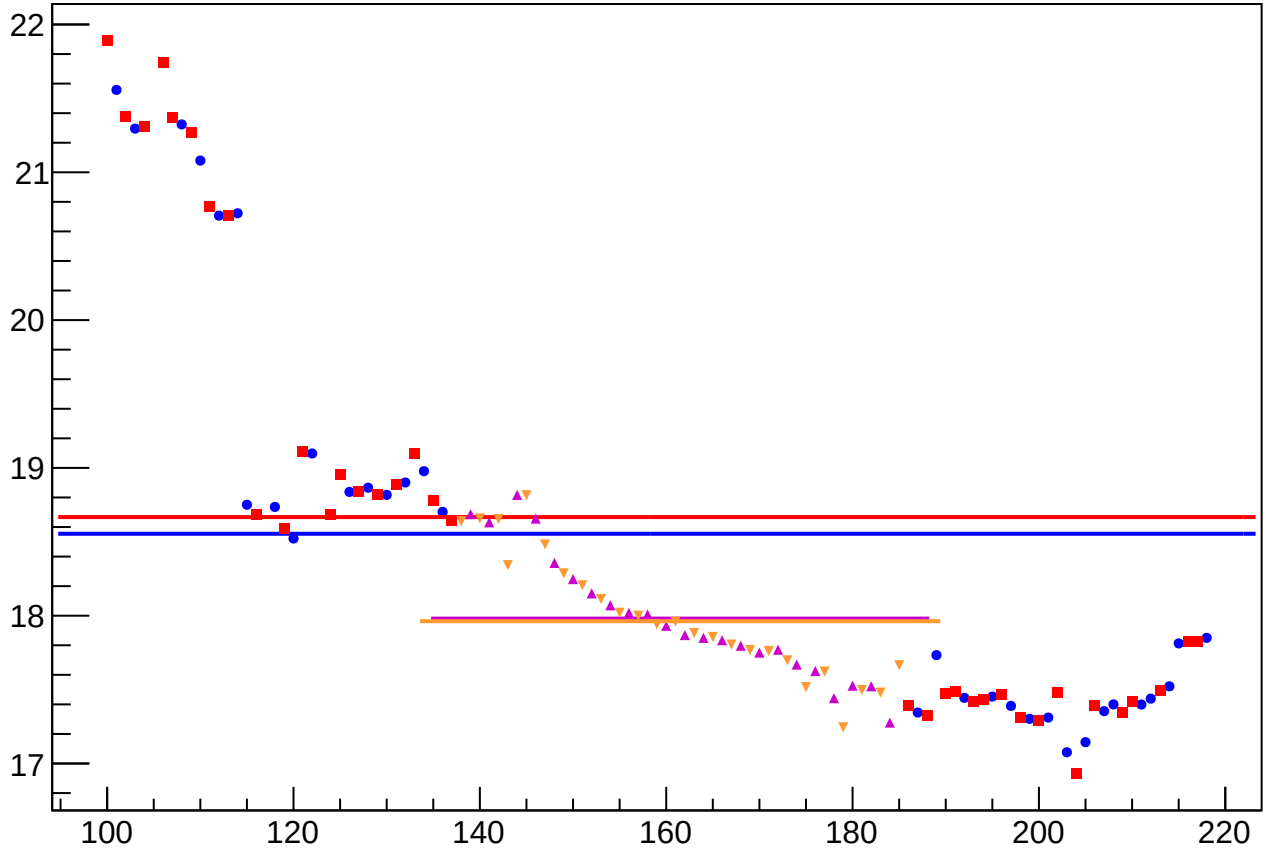
Left In: 0.066+/-0.000 χ^2/NDF:788235.2/22

+ sign 0.076+/-0.000 χ^2/NDF: 11176581.7/56

All: 0.077+/-0.000 χ^2/NDF: 22741222.6/115

- sign 0.078+/-0.000 χ^2/NDF: 11524693.8/58

yield_sam5_mean vs Slug



Right In: 18.554+/-0.000 χ^2/NDF: 35555404622.0/31

Left Out: 17.963+/-0.000 χ^2/NDF:3041551307.2/24

Right Out: 18.667+/-0.000 χ^2/NDF: 37998391084.6/35

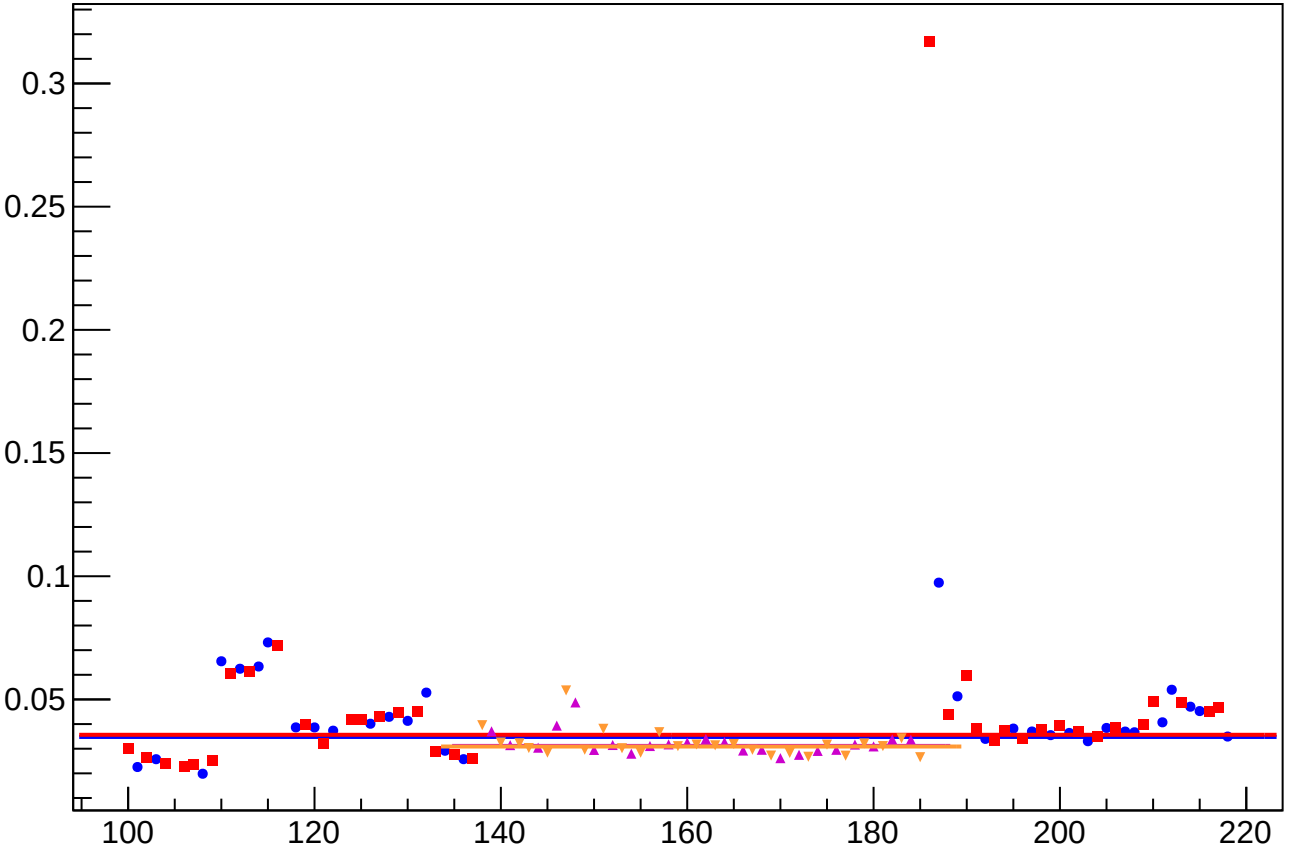
Left In: 17.980+/-0.000 χ^2/NDF:2720441956.8/22

+ sign 18.220+/-0.000 χ^2/NDF: 41515274988.4/56

All: 18.252+/-0.000 χ^2/NDF: 86048219725.0

- sign 18.285+/-0.000 χ^2/NDF: 44461910588.3/58

yield_sam5_rms vs Slug



Right In: 0.035+/-0.000 χ^2/NDF: 2459828.8/31

Left Out: 0.031+/-0.000 χ^2/NDF:633519.6/24

Right Out: 0.036+/-0.000 χ^2/NDF: 2745350.1/35

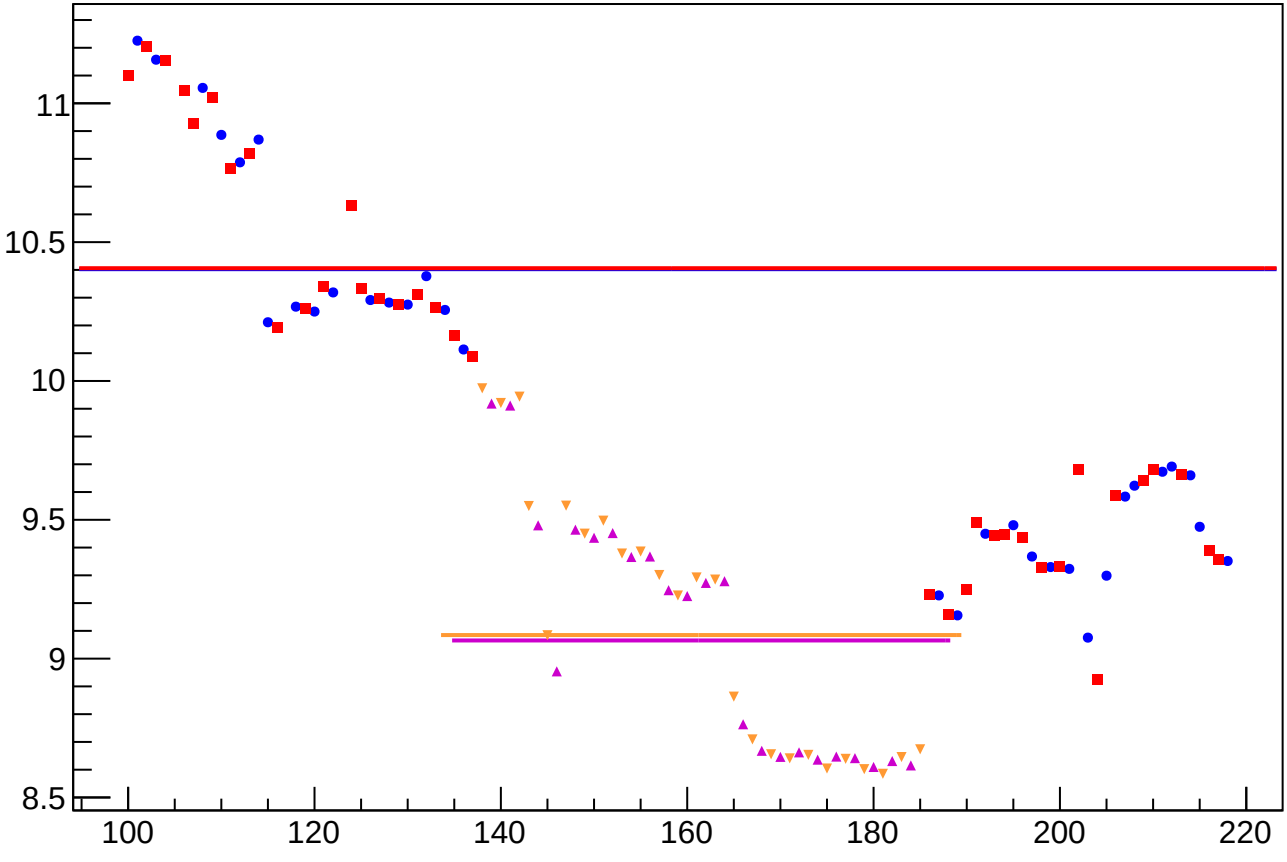
Left In: 0.031+/-0.000 χ^2/NDF:482919.2/22

+ sign 0.033+/-0.000 χ^2/NDF: 3344832.2/56

All: 0.033+/-0.000 χ^2/NDF: 6906944.6/115

- sign 0.033+/-0.000 χ^2/NDF: 3551626.5/58

yield_sam6_mean vs Slug



Right In: 10.403+/-0.000 χ^2/NDF: 17798929445.1/31

Left Out: 9.085+/-0.000 χ^2/NDF:10203625727.4/24

Right Out: 10.406+/-0.000 χ^2/NDF: 16329737412.3/35

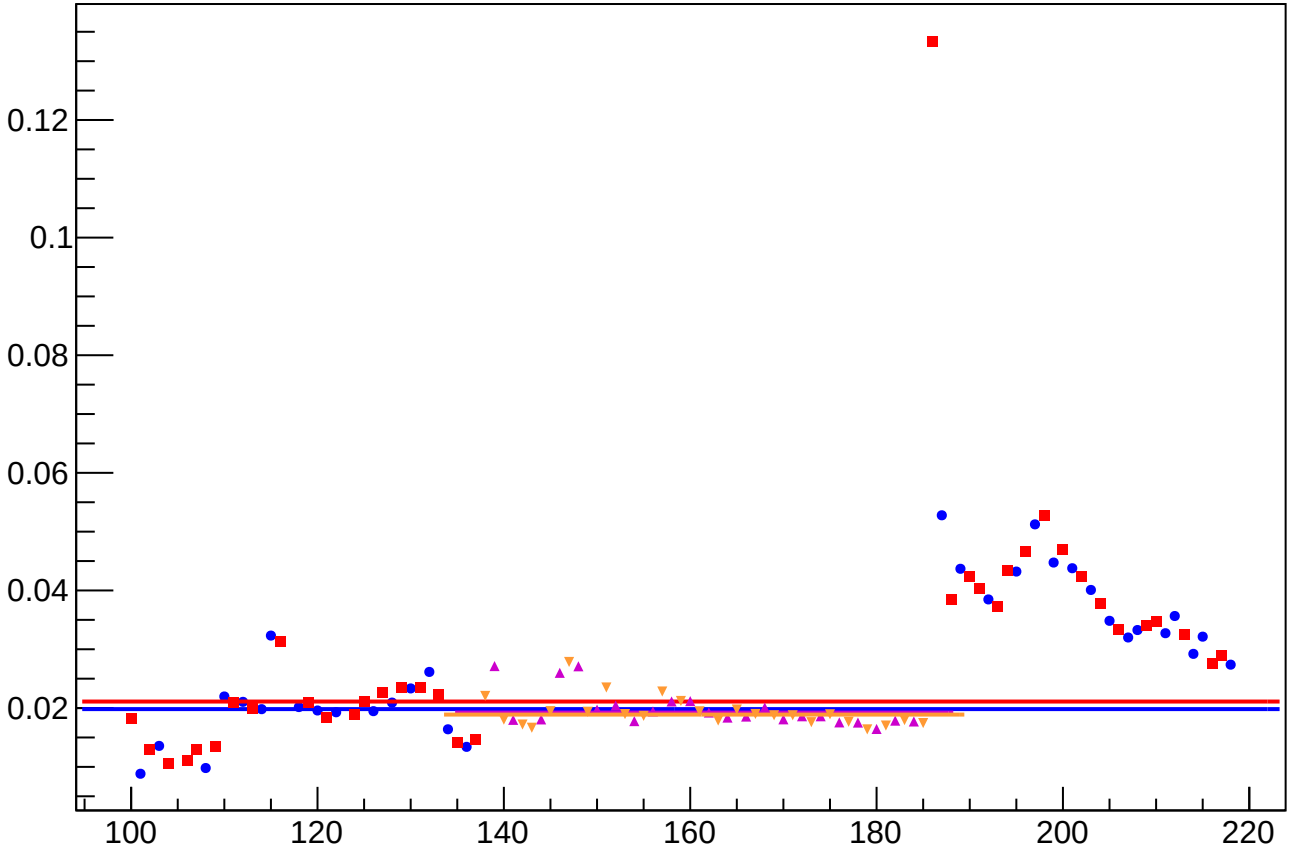
Left In: 9.065+/-0.000 χ^2/NDF:8070708662.0/22

+ sign 9.653+/-0.000 χ^2/NDF: 64919282624.9/56

All: 9.652+/-0.000 χ^2/NDF: 124446549345.4

- sign 9.651+/-0.000 χ^2/NDF: 59526937786.1/58

yield_sam6_rms vs Slug



Right In: 0.020+/-0.000 χ^2/NDF: 8554363.6/31

Left Out: 0.019+/-0.000 χ^2/NDF:441360.7/24

Right Out: 0.021+/-0.000 χ^2/NDF: 8142852.6/35

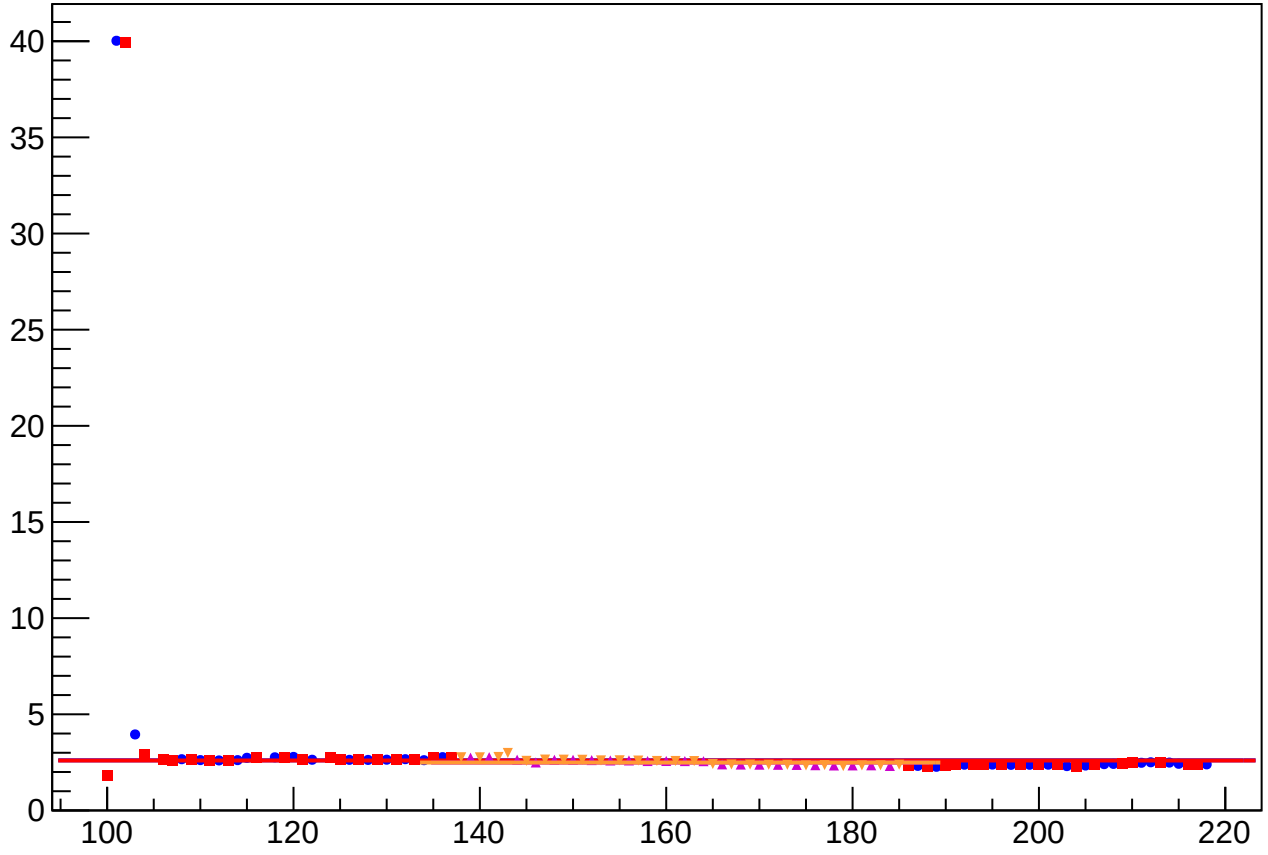
Left In: 0.019+/-0.000 χ^2/NDF:540886.4/22

+ sign 0.019+/-0.000 χ^2/NDF: 9032525.0/56

All: 0.020+/-0.000 χ^2/NDF: 17901614.2/115

- sign 0.020+/-0.000 χ^2/NDF: 8821741.6/58

yield_sam7_mean vs Slug



Right In: 2.607+/-0.000 χ^2/NDF: 90759992560.6/31

Left Out: 2.491+/-0.000 χ^2/NDF:92364283353.6/24

Right Out: 2.598+/-0.000 χ^2/NDF: 88461042067.8/35

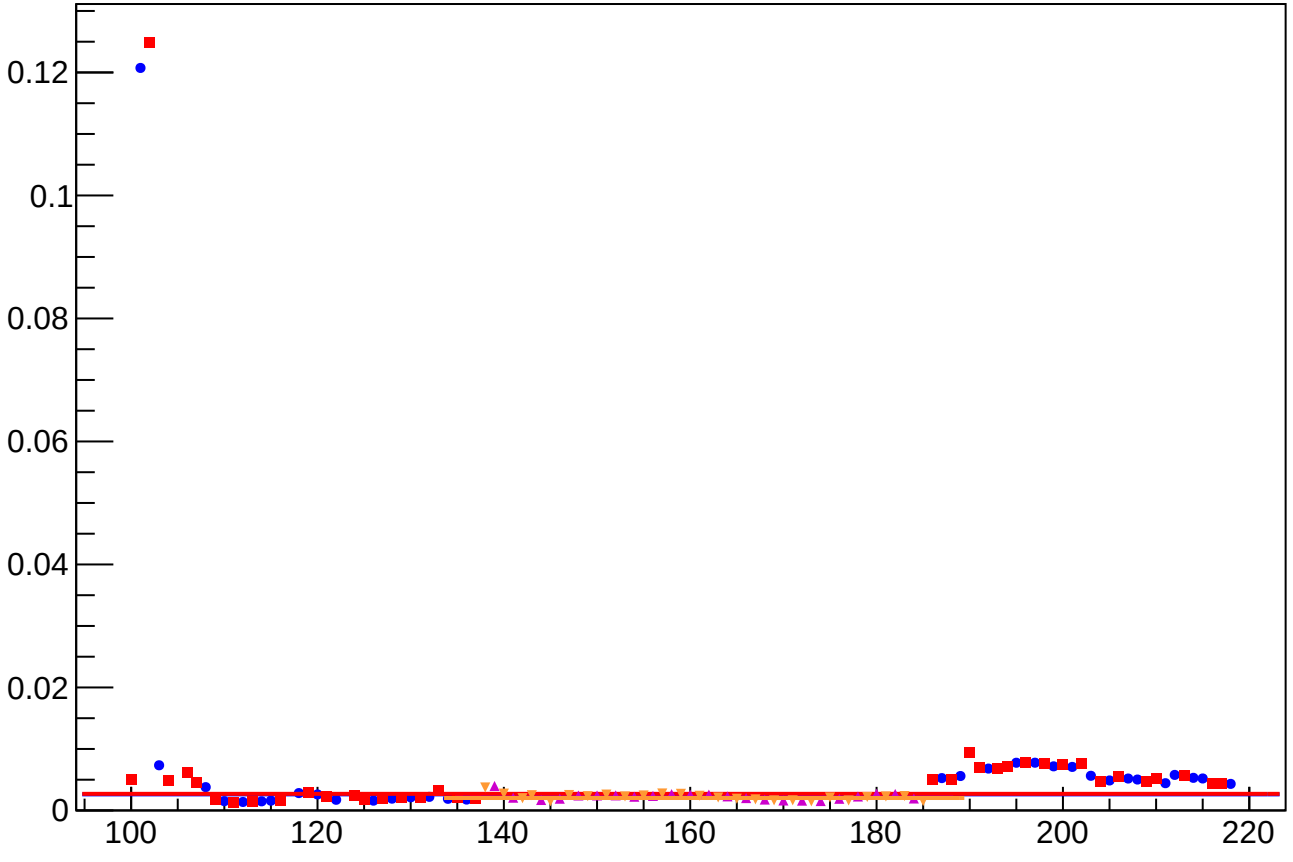
Left In: 2.489+/-0.000 χ^2/NDF:61212546319.1/22

+ sign 2.529+/-0.000 χ^2/NDF: 199683858845.1/56

All: 2.528+/-0.000 χ^2/NDF: 363457878874.7

- sign 2.526+/-0.000 χ^2/NDF: 163746659993.7/58

yield_sam7_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 11082789.9/31

Left Out: 0.002+/-0.000 χ^2/NDF:1556481.5/24

Right Out: 0.003+/-0.000 χ^2/NDF: 11862276.5/35

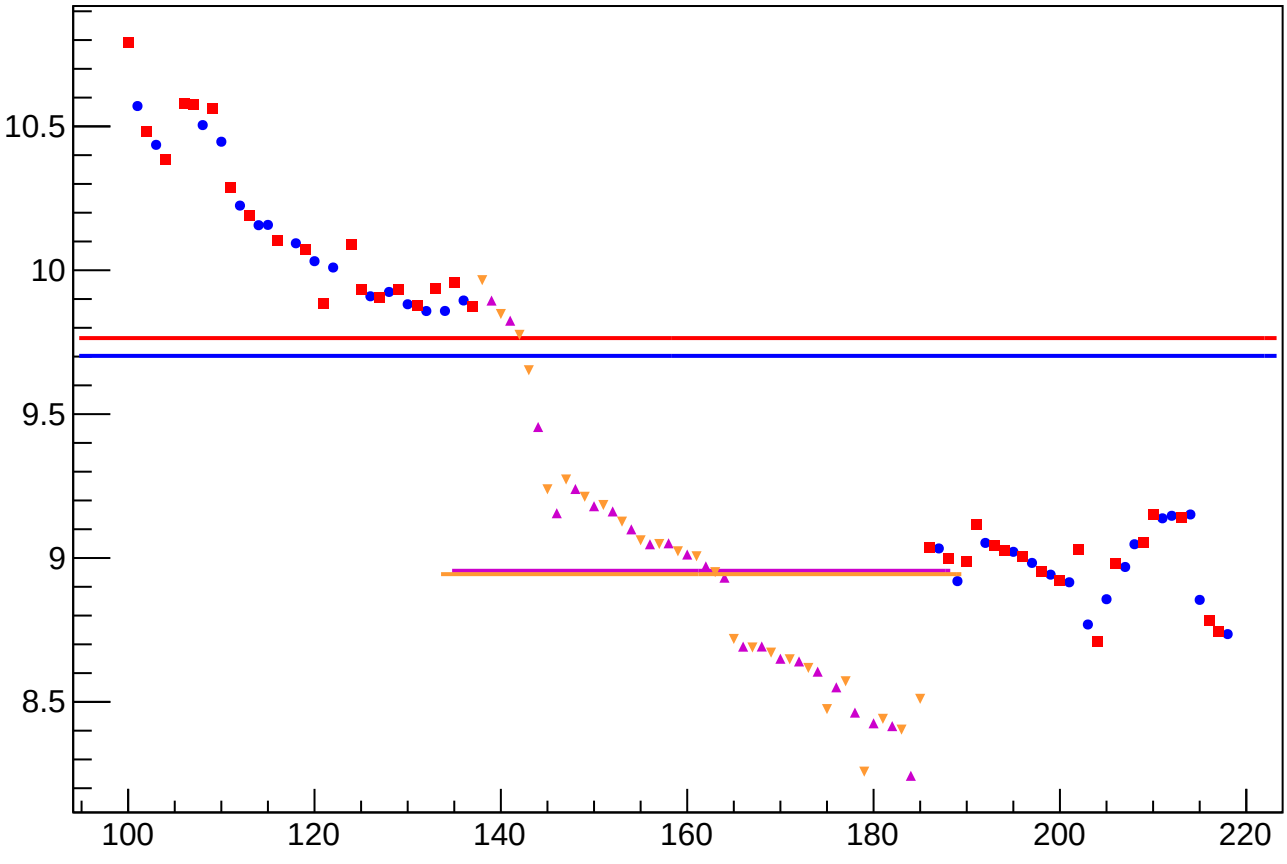
Left In: 0.002+/-0.000 χ^2/NDF:1402331.9/22

+ sign 0.002+/-0.000 χ^2/NDF: 13496347.5/56

All: 0.002+/-0.000 χ^2/NDF: 27740976.1/115

- sign 0.002+/-0.000 χ^2/NDF: 14220088.3/58

yield_sam8_mean vs Slug



Right In: 9.702+/-0.000 χ^2/NDF: 100738919508.1/31

Left Out: 8.944+/-0.000 χ^2/NDF:65887712966.5/24

Right Out: 9.764+/-0.000 χ^2/NDF: 109313727088.5/35

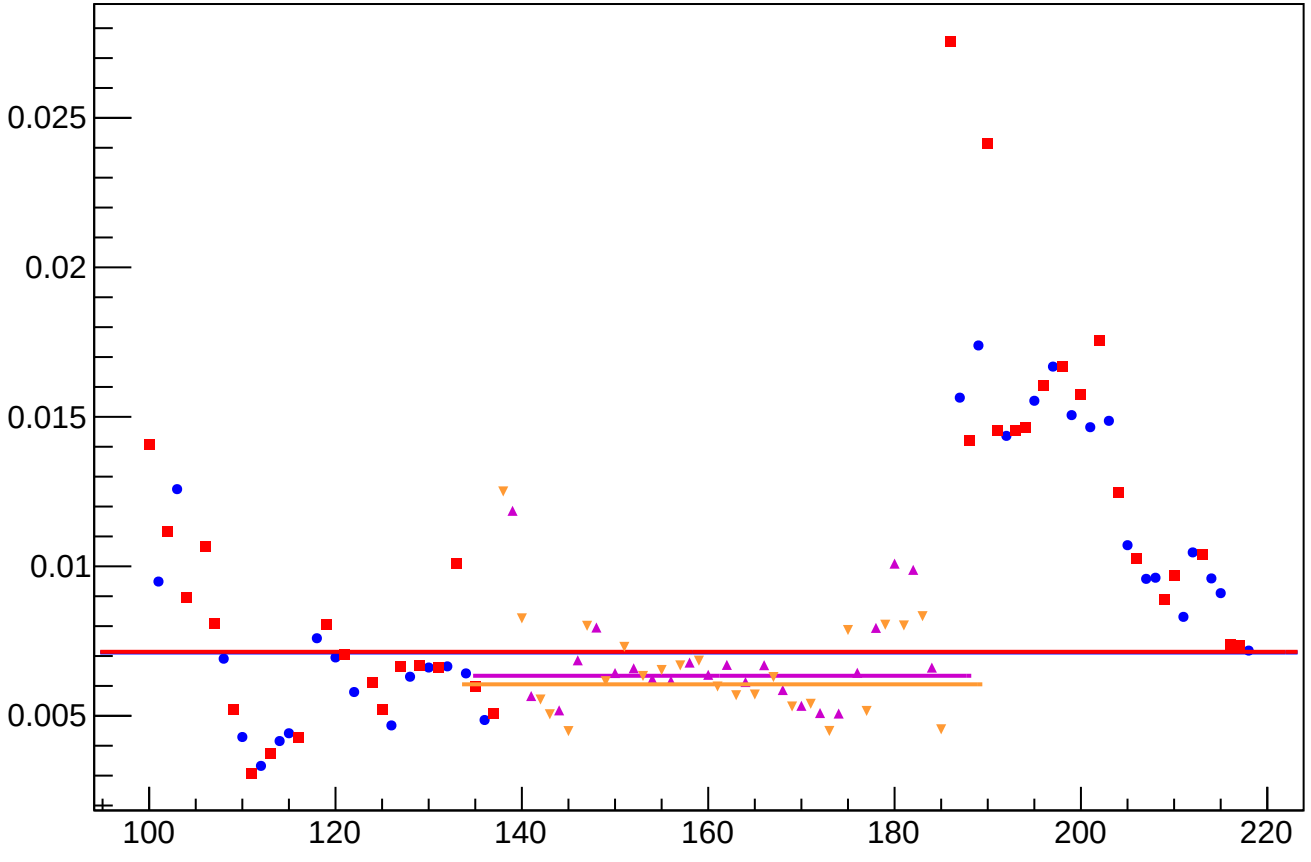
Left In: 8.956+/-0.000 χ^2/NDF:51572164470.4/22

+ sign 9.261+/-0.000 χ^2/NDF: 266676735686.0/56

All: 9.288+/-0.000 χ^2/NDF: 534811842558.3

- sign 9.318+/-0.000 χ^2/NDF: 267010070762.4/58

yield_sam8_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 6699032.9/31

Left Out: 0.006+/-0.000 χ^2/NDF:1461022.8/24

Right Out: 0.007+/-0.000 χ^2/NDF: 8344586.0/35

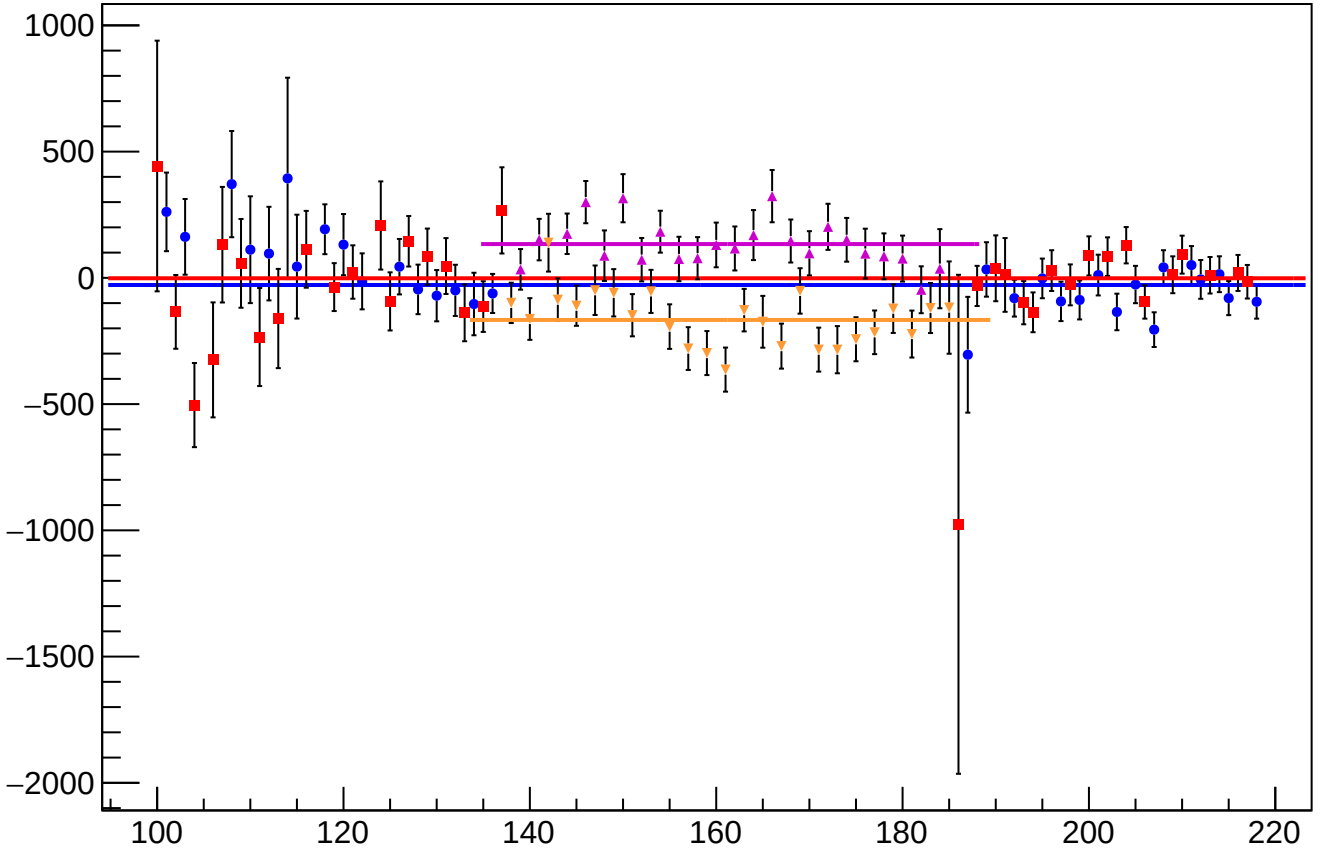
Left In: 0.006+/-0.000 χ^2/NDF:1175260.9/22

+ sign 0.006+/-0.000 χ^2/NDF: 8554328.0/56

All: 0.007+/-0.000 χ^2/NDF: 18310330.3/115

- sign 0.007+/-0.000 χ^2/NDF: 9728471.3/58

reg_asym_sam1_mean vs Slug



Right In: -28.212+/-16.254 χ^2/NDF: 35.7/31

Left Out: -166.676+/-18.079 χ^2/NDF:31.6/24

Right Out: -1.642+/-16.565 χ^2/NDF: 41.5/35

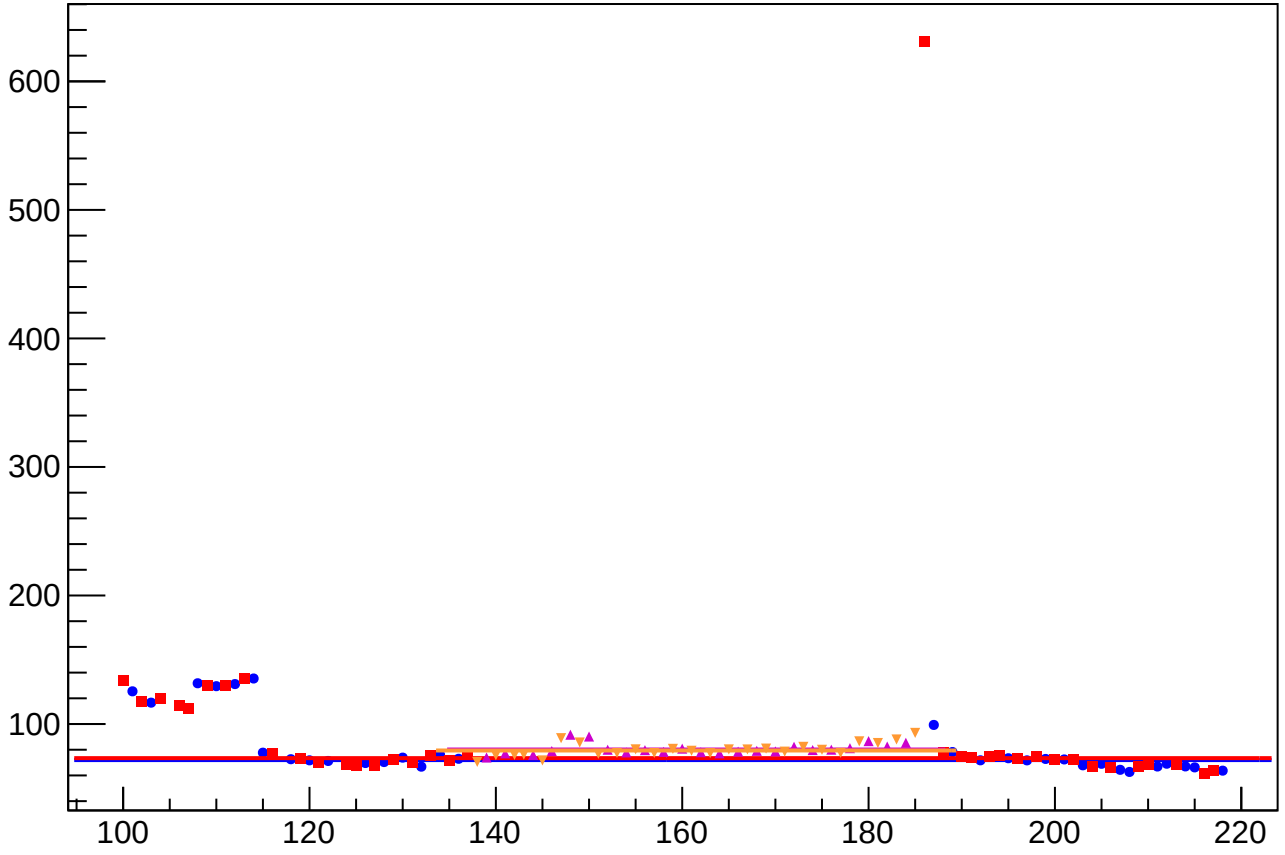
Left In: 133.843+/-18.756 χ^2/NDF:20.7/22

\+ sign -90.107+/-12.087 χ^2/NDF: 99.8/56

All: -18.171+/-8.661 χ^2/NDF: 264.2/115

\- sign 57.730+/-12.416 χ^2/NDF: 91.6/58

reg_asym_sam1_rms vs Slug



Right In: 71.943+/-0.011 χ^2/NDF: 1161491.2/31

Left Out: 79.410+/-0.013 χ^2/NDF:134796.0/24

Right Out: 73.458+/-0.012 χ^2/NDF: 1905266.7/35

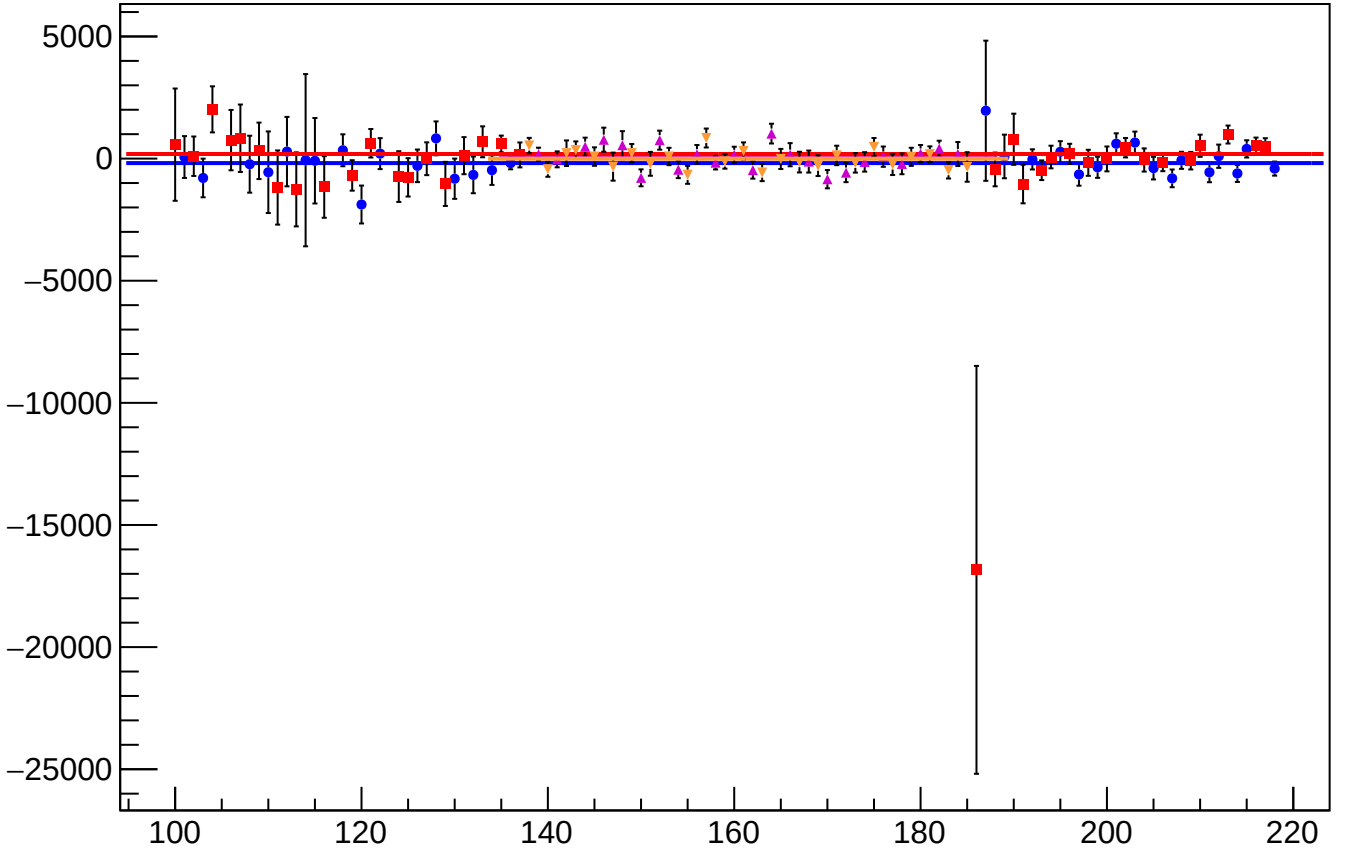
Left In: 80.160+/-0.013 χ^2/NDF:91469.5/22

+ sign 75.281+/-0.009 χ^2/NDF: 1484968.9/56

All: 75.823+/-0.006 χ^2/NDF: 3633437.0/115

- sign 76.395+/-0.009 χ^2/NDF: 2140202.6/58

asym_sam1_reg_correction_mean vs Slug



Right In: -183.759+/-87.936 χ^2/NDF: 29.3/31

Left Out: -3.474+/-75.863 χ^2/NDF:24.0/24

Right Out: 188.556+/-90.857 χ^2/NDF: 36.8/35

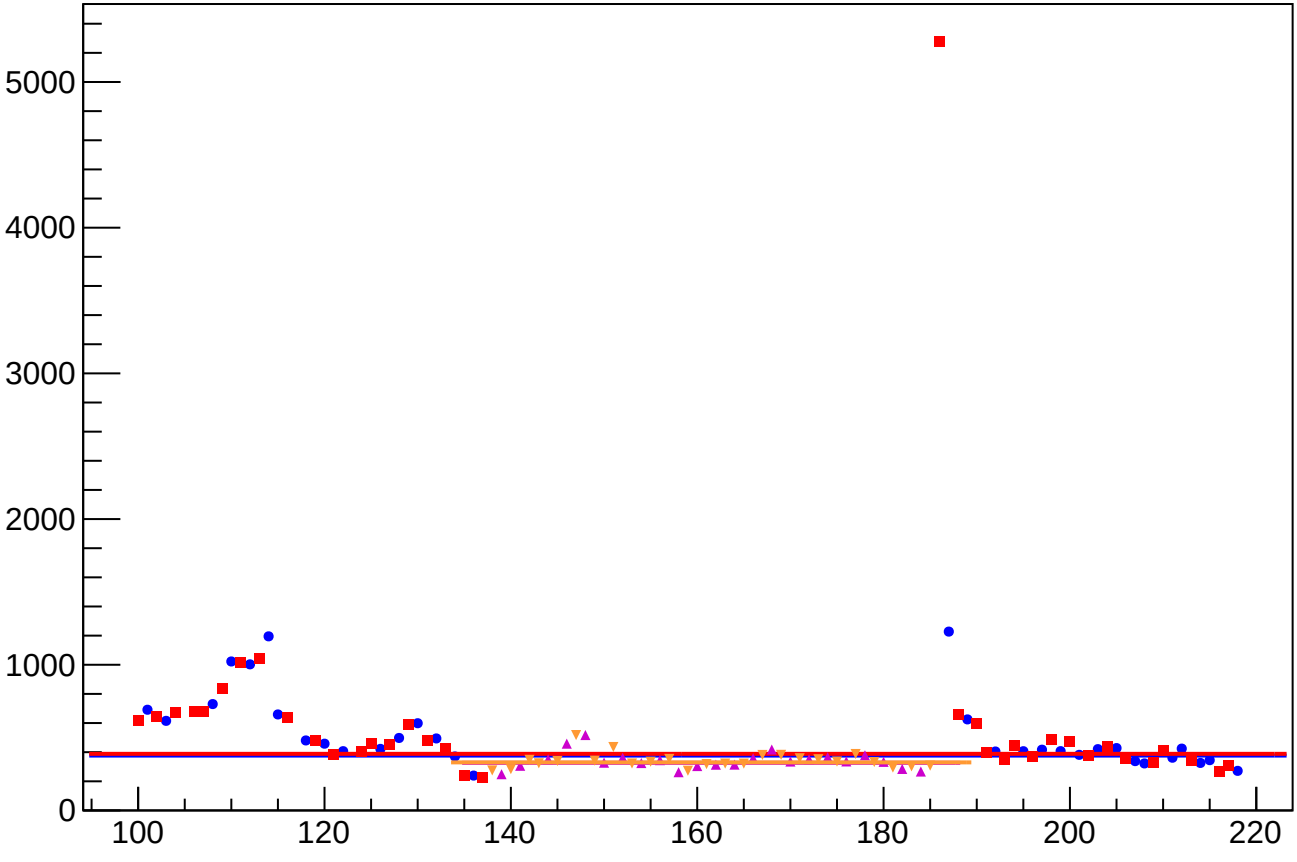
Left In: 19.298+/-77.541 χ^2/NDF:35.0/22

+ sign -80.400+/-57.441 χ^2/NDF: 55.7/56

All: 2.852+/-41.151 χ^2/NDF: 133.9/115

- sign 90.626+/-58.981 χ^2/NDF: 73.8/58

asym_sam1_reg_correction_rms vs Slug



Right In: 376.719+/-0.062 χ^2/NDF: 3244145.9/31

Left Out: 329.968+/-0.054 χ^2/NDF:659241.4/24

Right Out: 388.589+/-0.064 χ^2/NDF: 4253637.3/35

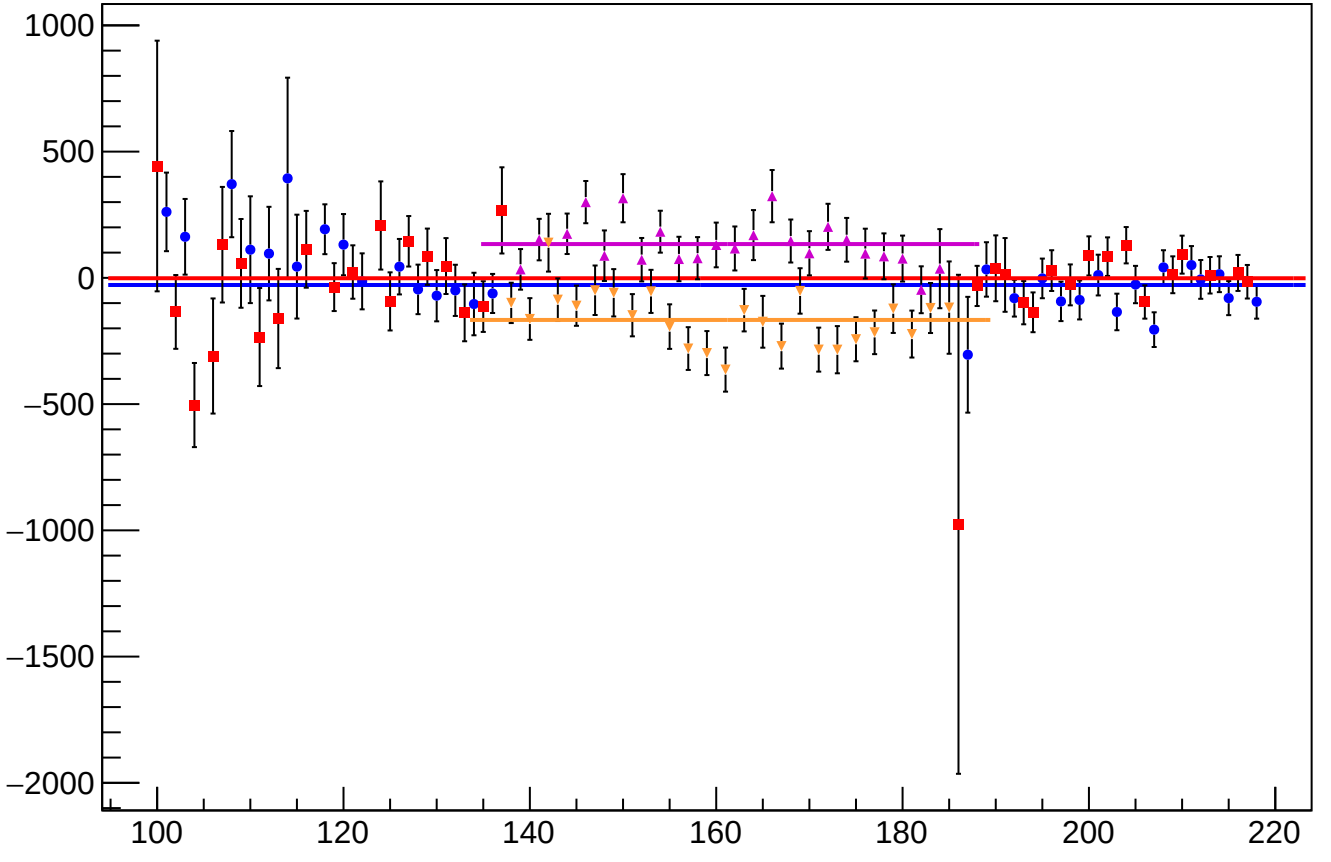
Left In: 326.963+/-0.055 χ^2/NDF:899326.3/22

+ sign 349.916+/-0.041 χ^2/NDF: 4227482.4/56

All: 351.385+/-0.029 χ^2/NDF: 9915492.0/115

- sign 352.933+/-0.042 χ^2/NDF: 5685323.4/58

cor_asym_sam1_mean vs Slug



Right In: -28.214+/-16.254 χ^2/NDF: 35.7/31

Left Out: -166.675+/-18.079 χ^2/NDF:31.6/24

Right Out: -1.555+/-16.565 χ^2/NDF: 41.3/35

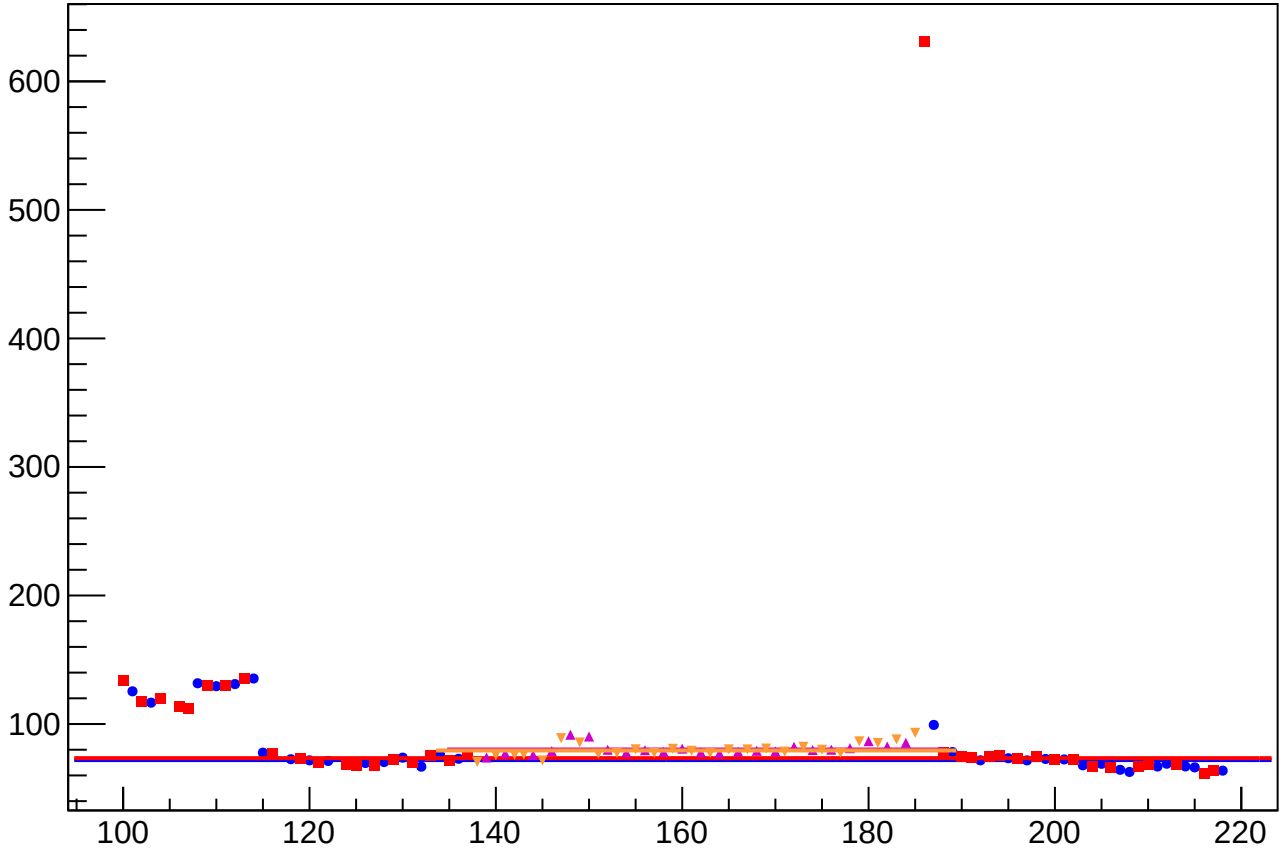
Left In: 133.850+/-18.756 χ^2/NDF:20.7/22

+ sign -90.107+/-12.087 χ^2/NDF: 99.8/56

All: -18.146+/-8.661 χ^2/NDF: 264.0/115

- sign 57.782+/-12.416 χ^2/NDF: 91.4/58

cor_asym_sam1_rms vs Slug



Right In: 71.943+/-0.011 χ^2/NDF: 1161491.4/31

Left Out: 79.410+/-0.013 χ^2/NDF:134796.1/24

Right Out: 73.454+/-0.012 χ^2/NDF: 1902854.8/35

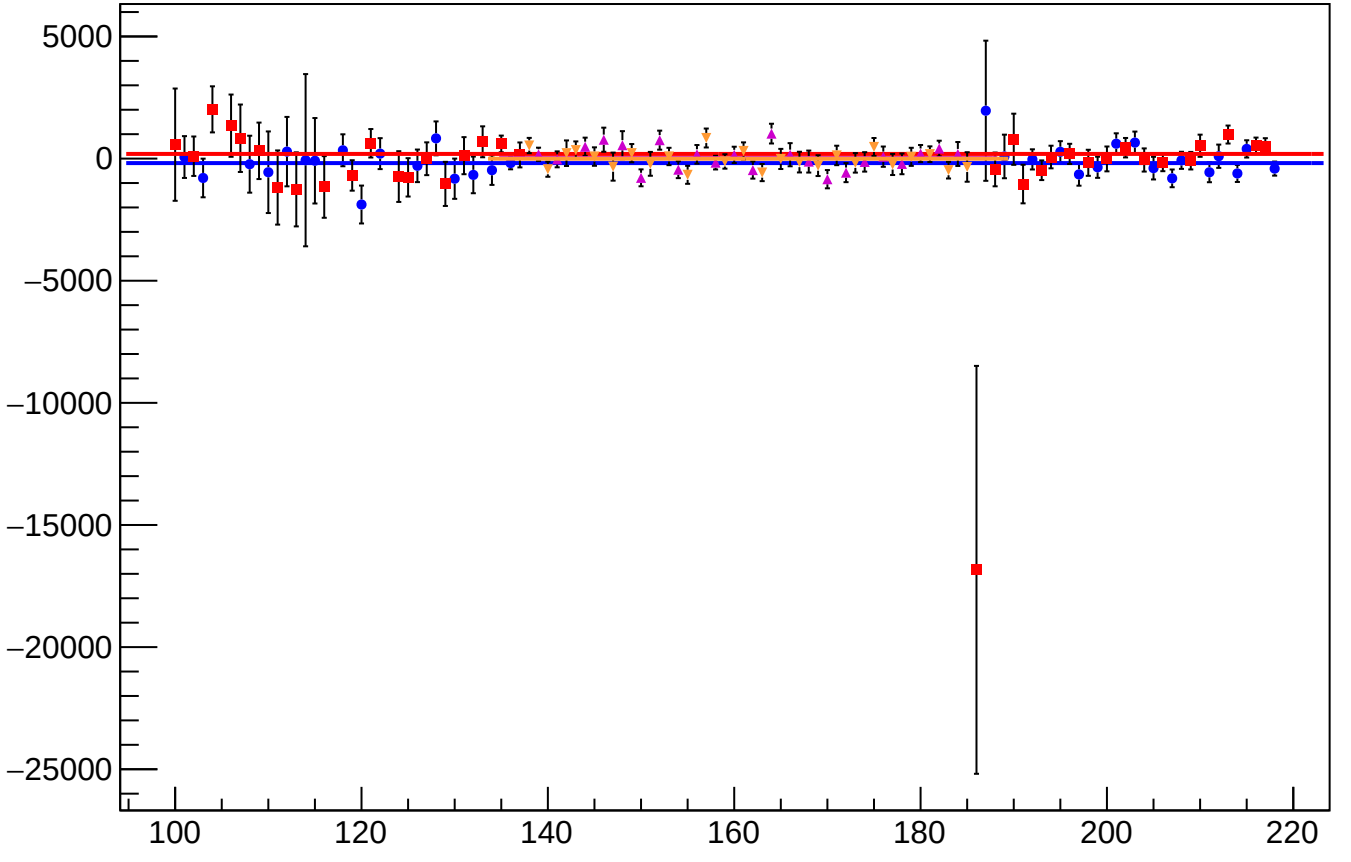
Left In: 80.160+/-0.013 χ^2/NDF:91469.5/22

+ sign 75.281+/-0.009 χ^2/NDF: 1484969.1/56

All: 75.822+/-0.006 χ^2/NDF: 3631177.2/115

- sign 76.393+/-0.009 χ^2/NDF: 2137978.9/58

asym_sam1_cor_correction_mean vs Slug



Right In: -183.764+/-87.936 χ^2/NDF: 29.3/31

Left Out: -3.474+/-75.863 χ^2/NDF:24.0/24

Right Out: 191.385+/-90.871 χ^2/NDF: 37.4/35

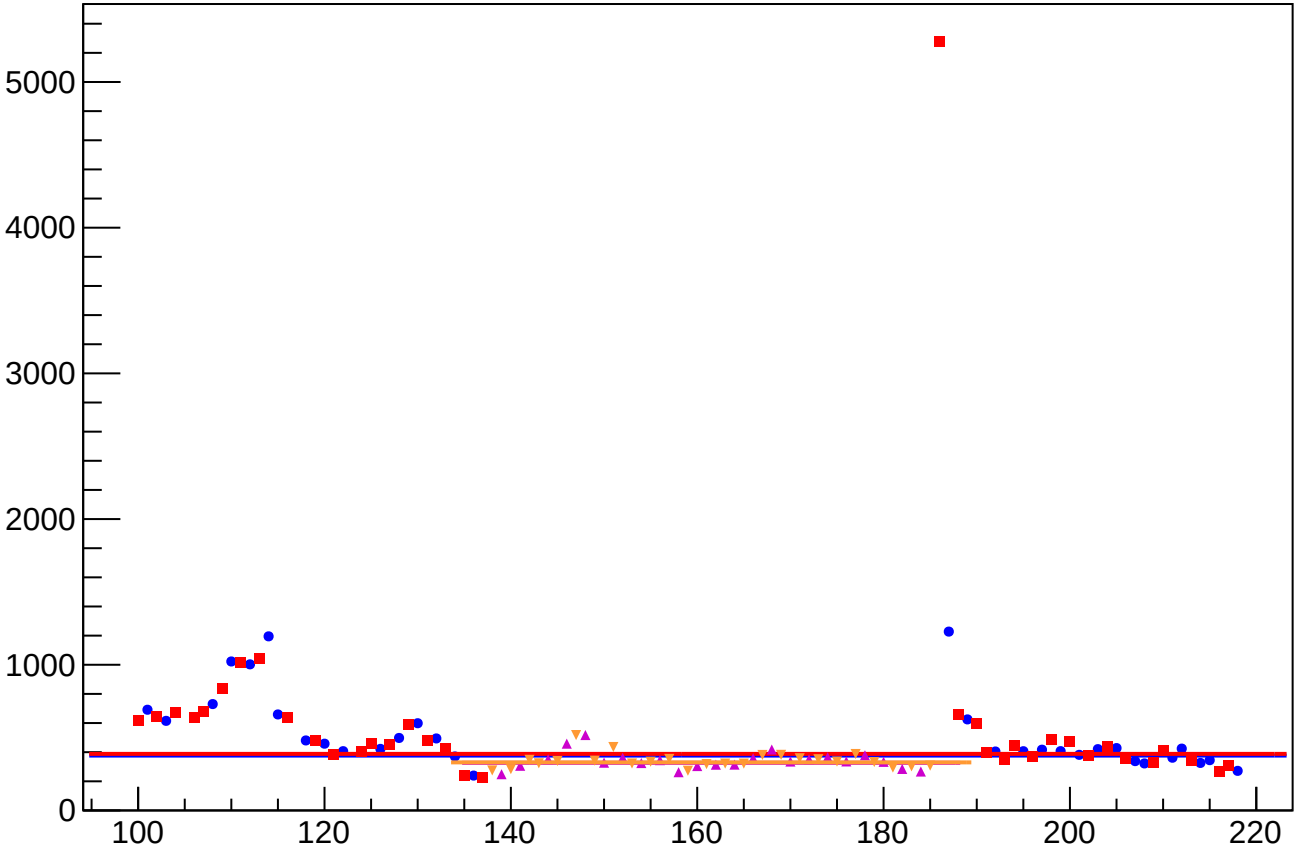
Left In: 19.305+/-77.541 χ^2/NDF:35.0/22

+ sign -80.402+/-57.441 χ^2/NDF: 55.7/56

All: 3.420+/-41.152 χ^2/NDF: 134.6/115

- sign 91.808+/-58.985 χ^2/NDF: 74.5/58

asym_sam1_cor_correction_rms vs Slug



Right In: 376.719+/-0.062 χ^2/NDF: 3244148.5/31

Left Out: 329.968+/-0.054 χ^2/NDF:659249.8/24

Right Out: 388.295+/-0.064 χ^2/NDF: 4220702.7/35

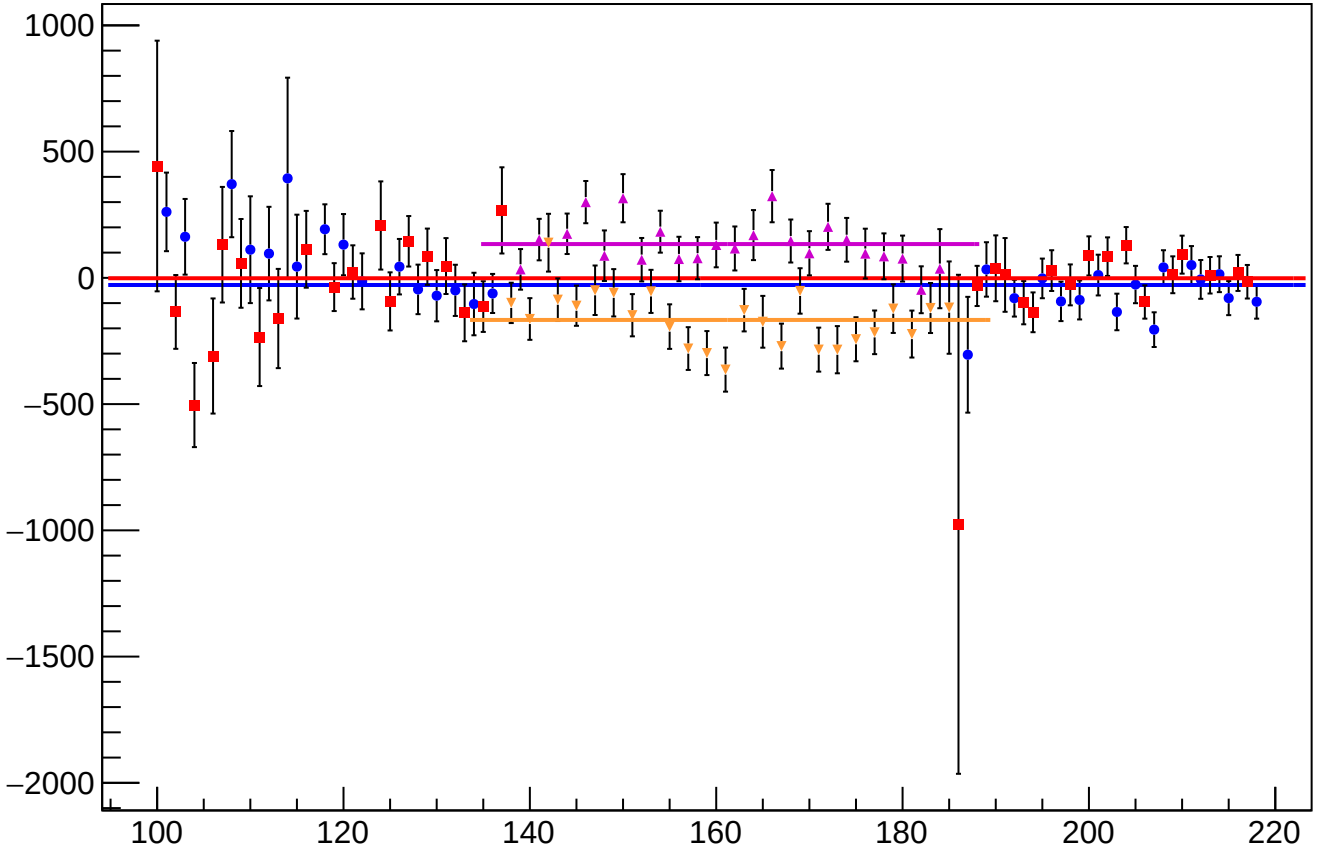
Left In: 326.963+/-0.055 χ^2/NDF:899329.3/22

+ sign 349.916+/-0.041 χ^2/NDF: 4227493.7/56

All: 351.322+/-0.029 χ^2/NDF: 9877180.1/115

- sign 352.805+/-0.042 χ^2/NDF: 5647224.8/58

eigen_cor_asym_sam1_mean vs Slug



Right In: -28.214+/-16.254 χ^2/NDF: 35.7/31

Left Out: -166.675+/-18.079 χ^2/NDF:31.6/24

Right Out: -1.555+/-16.565 χ^2/NDF: 41.3/35

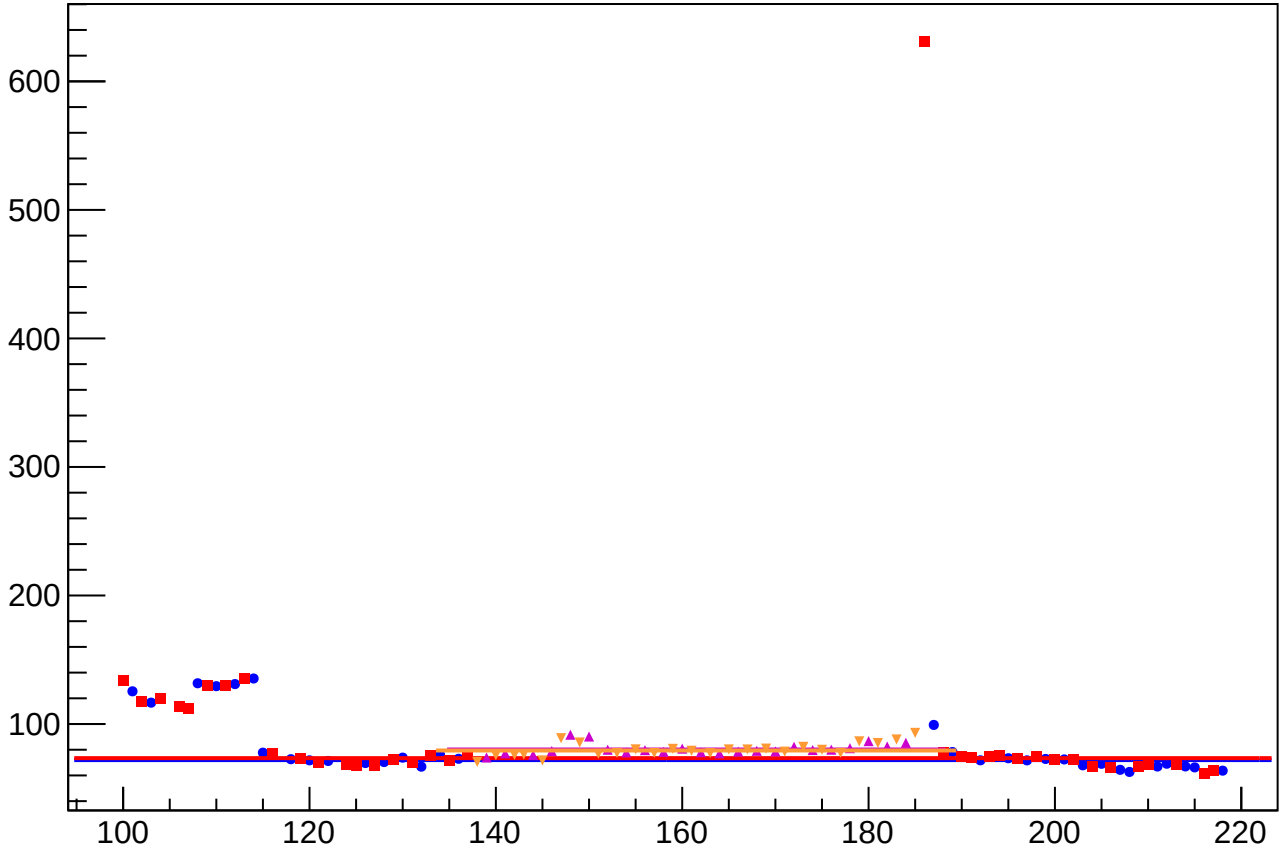
Left In: 133.850+/-18.756 χ^2/NDF:20.7/22

+ sign -90.107+/-12.087 χ^2/NDF: 99.8/56

All: -18.146+/-8.661 χ^2/NDF: 264.0/115

- sign 57.782+/-12.416 χ^2/NDF: 91.4/58

eigen_cor_asym_sam1_rms vs Slug



Right In: 71.943+/-0.011 χ^2/NDF: 1161491.4/31

Left Out: 79.410+/-0.013 χ^2/NDF:134796.1/24

Right Out: 73.454+/-0.012 χ^2/NDF: 1902854.8/35

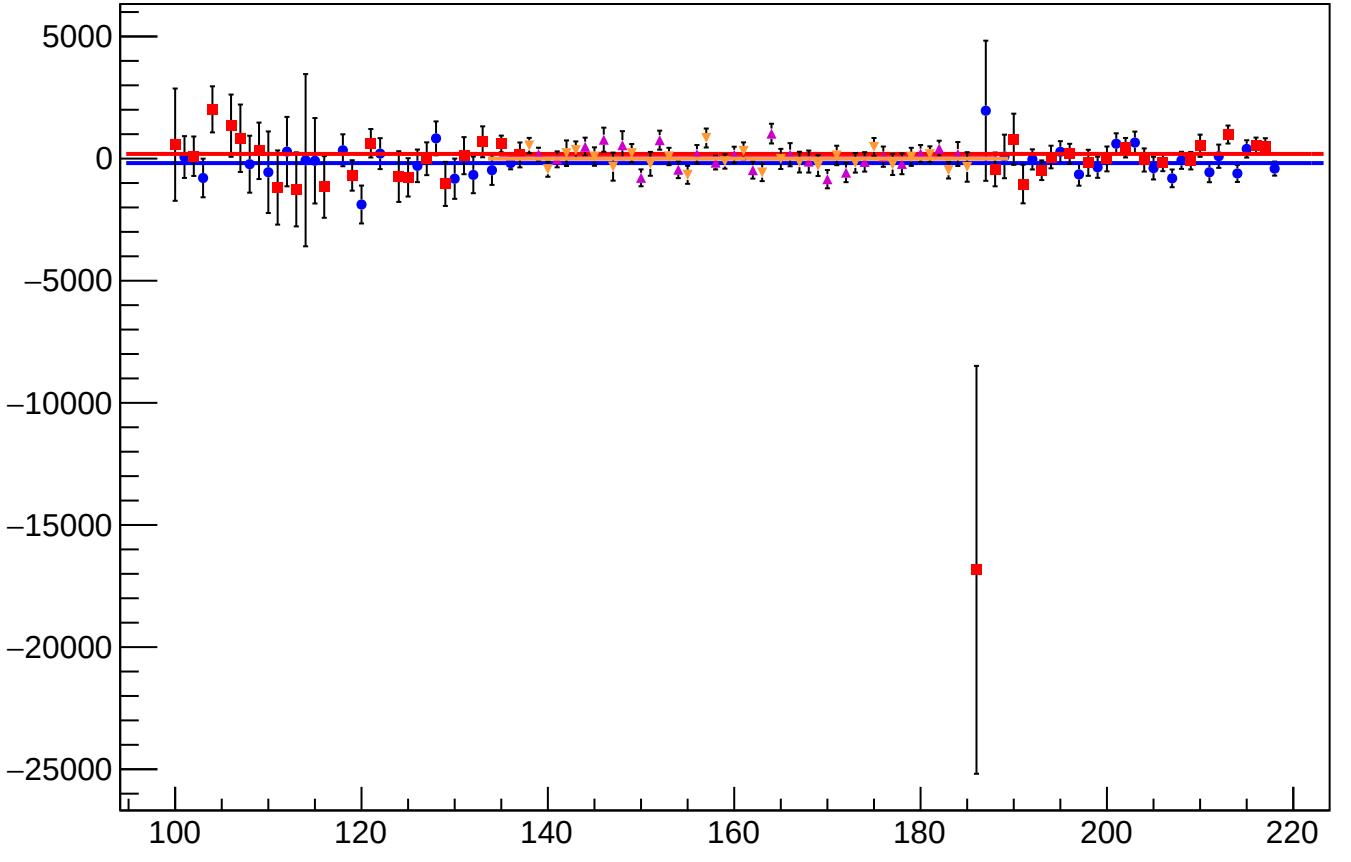
Left In: 80.160+/-0.013 χ^2/NDF:91469.5/22

+ sign 75.281+/-0.009 χ^2/NDF: 1484969.1/56

All: 75.822+/-0.006 χ^2/NDF: 3631177.2/115

- sign 76.393+/-0.009 χ^2/NDF: 2137978.9/58

asym_sam1_eigen_cor_correction_mean vs Slug



Right In: -183.764+/-87.936 χ^2/NDF: 29.3/31

Left Out: -3.474+/-75.863 χ^2/NDF:24.0/24

Right Out: 191.385+/-90.871 χ^2/NDF: 37.4/35

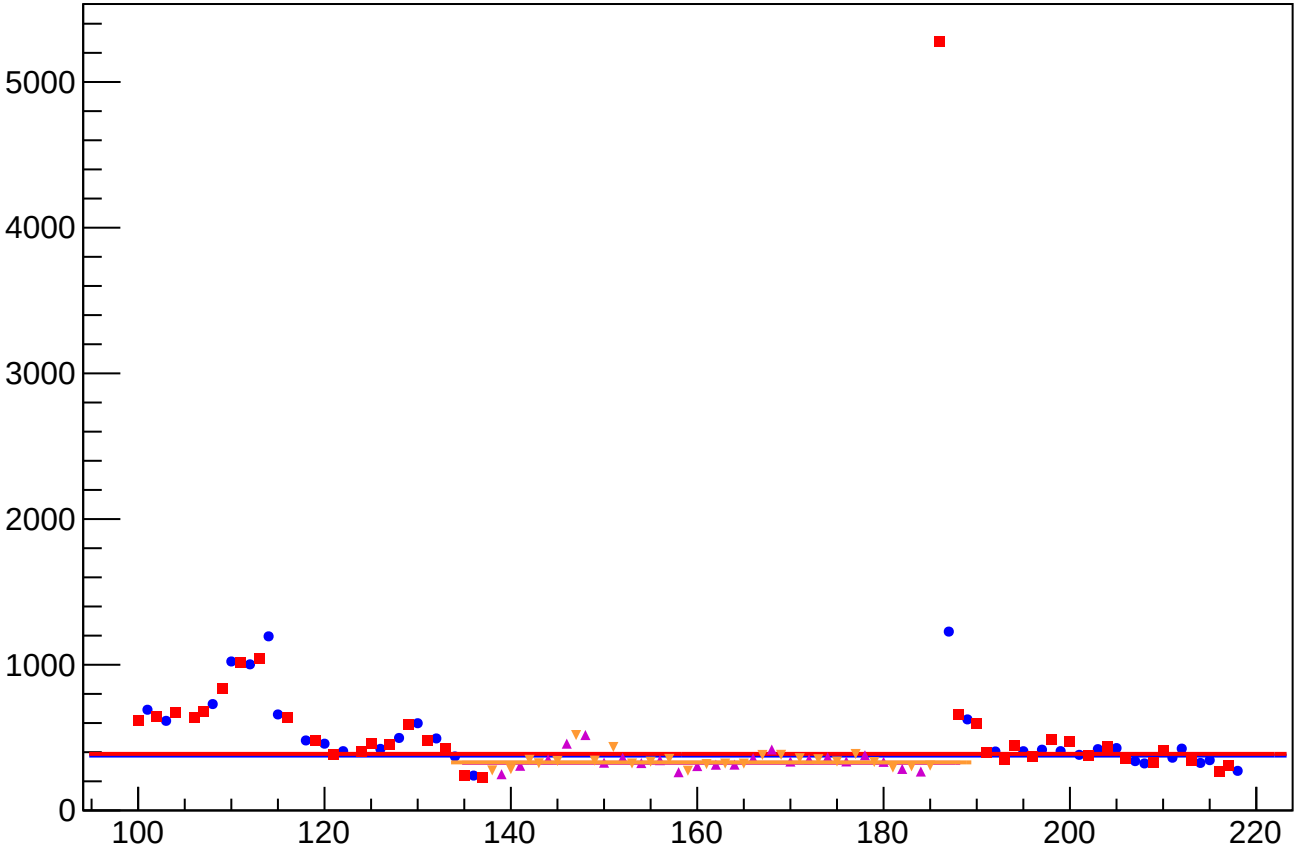
Left In: 19.305+/-77.541 χ^2/NDF:35.0/22

+ sign -80.402+/-57.441 χ^2/NDF: 55.7/56

All: 3.420+/-41.152 χ^2/NDF: 134.6/115

- sign 91.808+/-58.985 χ^2/NDF: 74.5/58

asym_sam1_eigen_cor_correction_rms vs Slug



Right In: 376.719+/-0.062 χ^2/NDF: 3244148.5/31

Left Out: 329.968+/-0.054 χ^2/NDF:659249.8/24

Right Out: 388.295+/-0.064 χ^2/NDF: 4220702.7/35

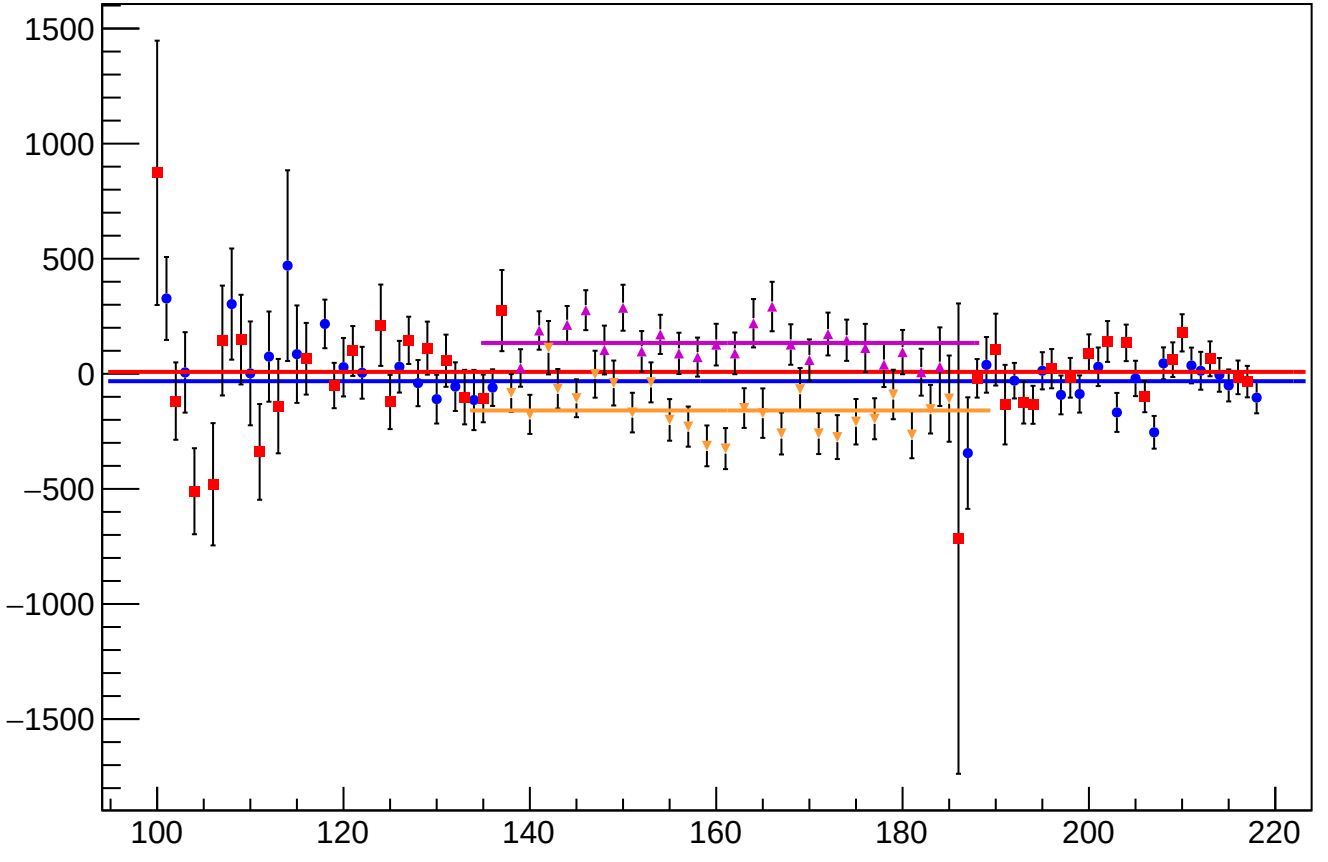
Left In: 326.963+/-0.055 χ^2/NDF:899329.3/22

+ sign 349.916+/-0.041 χ^2/NDF: 4227493.7/56

All: 351.322+/-0.029 χ^2/NDF: 9877180.1/115

- sign 352.805+/-0.042 χ^2/NDF: 5647224.8/58

dit_asym_sam1_mean vs Slug



Right In: -32.098+/-17.056 χ^2/NDF: 35.2/31

Left Out: -159.223+/-18.749 χ^2/NDF:28.2/24

Right Out: 8.290+/-17.493 χ^2/NDF: 50.2/35

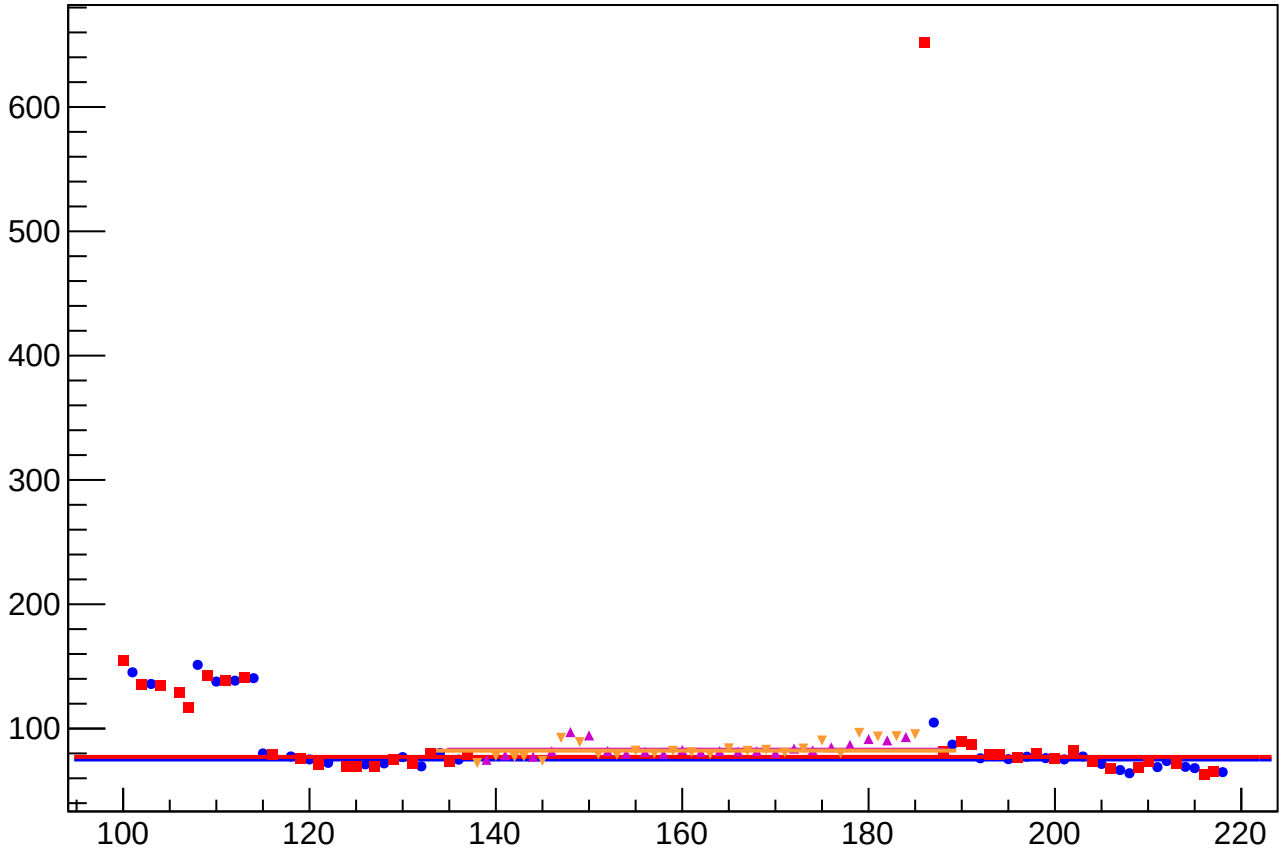
Left In: 134.010+/-19.441 χ^2/NDF:16.4/22

+ sign -89.663+/-12.617 χ^2/NDF: 88.5/56

All: -14.891+/-9.055 χ^2/NDF: 250.6/115

- sign 64.538+/-13.004 χ^2/NDF: 89.7/58

dit_asym_sam1_rms vs Slug



Right In: 75.134+/-0.012 χ^2/NDF: 1401776.1/31

Left Out: 82.247+/-0.013 χ^2/NDF:216548.3/24

Right Out: 77.201+/-0.012 χ^2/NDF: 2119580.6/35

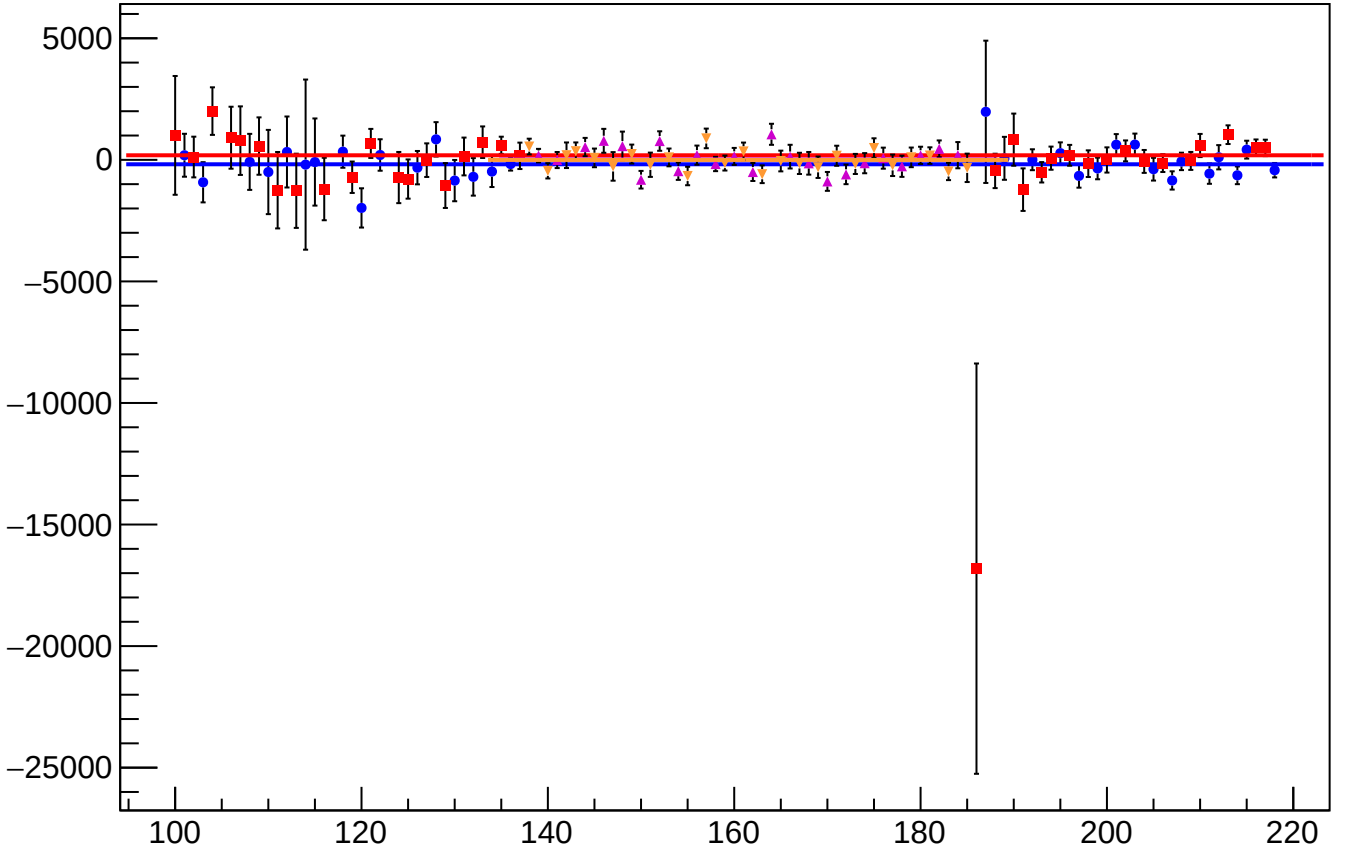
Left In: 82.993+/-0.014 χ^2/NDF:145608.6/22

+ sign 78.355+/-0.009 χ^2/NDF: 1775832.4/56

All: 79.052+/-0.006 χ^2/NDF: 4151700.6/115

- sign 79.793+/-0.009 χ^2/NDF: 2363280.1/58

asym_sam1_dit_correction_mean vs Slug



Right In: -182.464+/-90.811 χ^2/NDF: 29.6/31

Left Out: -3.095+/-78.582 χ^2/NDF:23.5/24

Right Out: 187.475+/-94.115 χ^2/NDF: 36.1/35

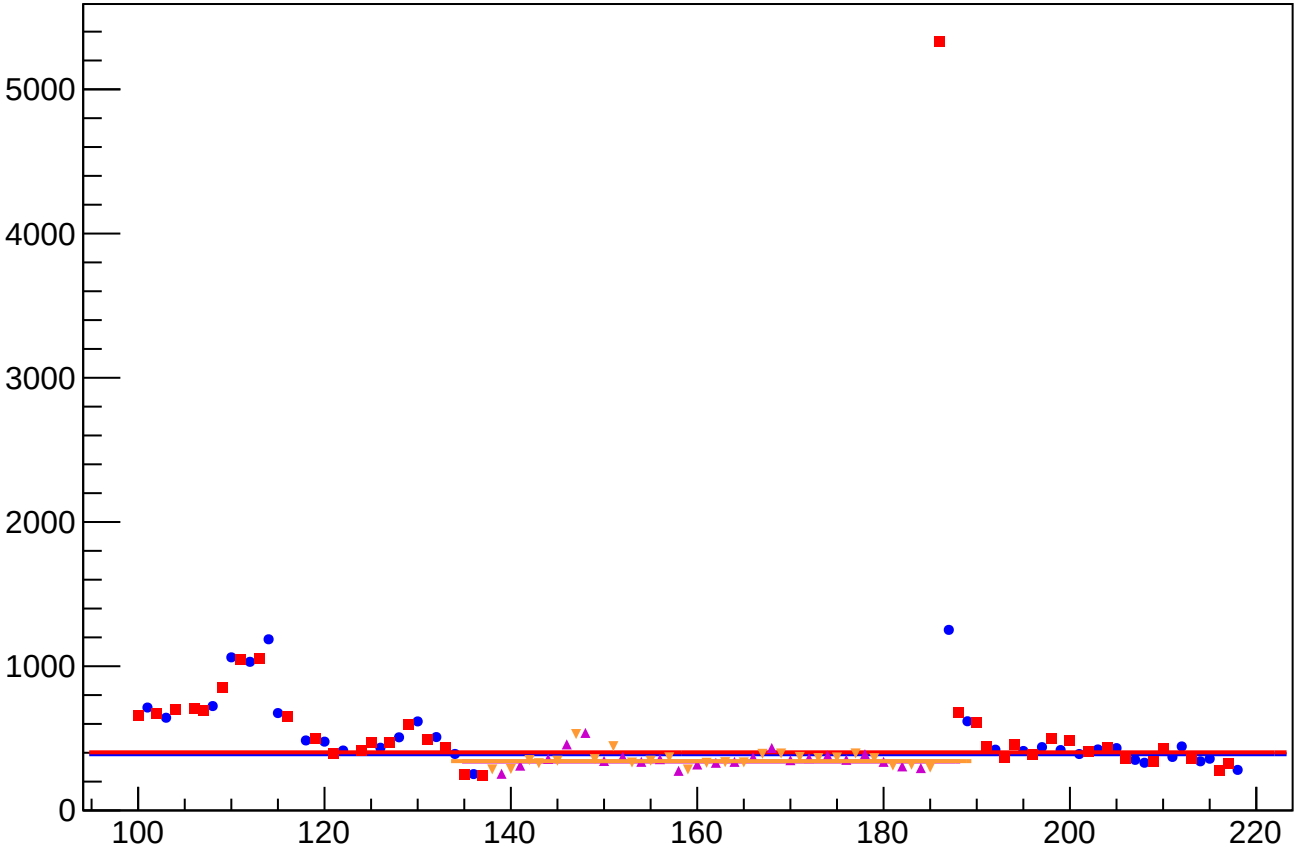
Left In: 16.519+/-80.410 χ^2/NDF:34.9/22

+ sign -79.897+/-59.423 χ^2/NDF: 55.3/56

All: 1.985+/-42.611 χ^2/NDF: 132.1/115

- sign 88.654+/-61.135 χ^2/NDF: 72.9/58

asym_sam1_dit_correction_rms vs Slug



Right In: 389.820+/-0.064 χ^2/NDF: 3119728.0/31

Left Out: 341.918+/-0.056 χ^2/NDF:653930.4/24

Right Out: 403.112+/-0.067 χ^2/NDF: 4145223.7/35

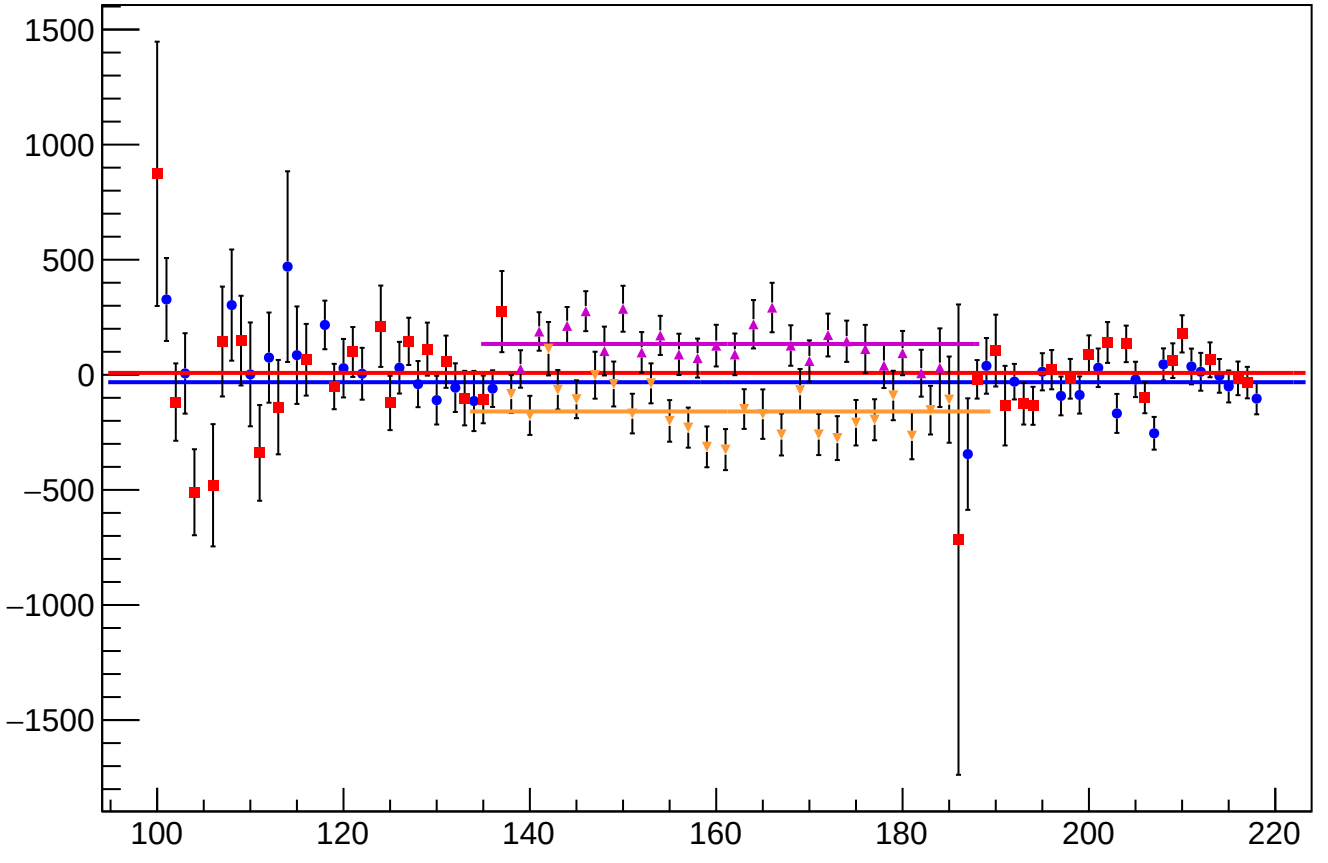
Left In: 339.430+/-0.057 χ^2/NDF:846706.0/22

+ sign 362.428+/-0.042 χ^2/NDF: 4091875.3/56

All: 364.309+/-0.030 χ^2/NDF: 9617243.3/115

- sign 366.301+/-0.043 χ^2/NDF: 5521242.4/58

eigen_dit_asym_sam1_mean vs Slug



Right In: -32.097+/-17.056 χ^2/NDF: 35.2/31

Left Out: -159.223+/-18.749 χ^2/NDF:28.2/24

Right Out: 8.290+/-17.493 χ^2/NDF: 50.2/35

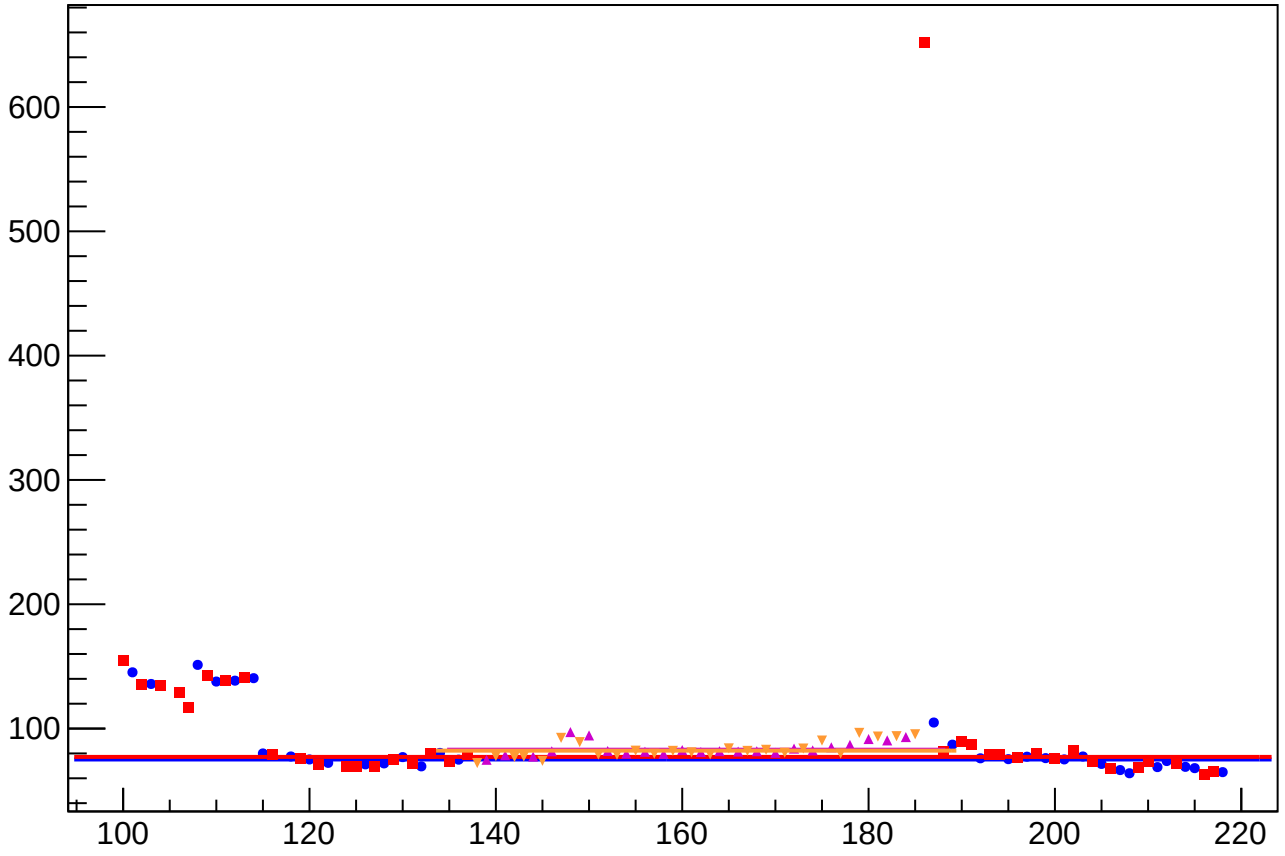
Left In: 134.010+/-19.441 χ^2/NDF:16.4/22

+ sign -89.662+/-12.617 χ^2/NDF: 88.5/56

All: -14.890+/-9.055 χ^2/NDF: 250.6/115

- sign 64.539+/-13.004 χ^2/NDF: 89.7/58

eigen_dit_asym_sam1_rms vs Slug



Right In: 75.134+/-0.012 χ^2/NDF: 1401776.9/31

Left Out: 82.247+/-0.013 χ^2/NDF:216548.5/24

Right Out: 77.201+/-0.012 χ^2/NDF: 2119581.2/35

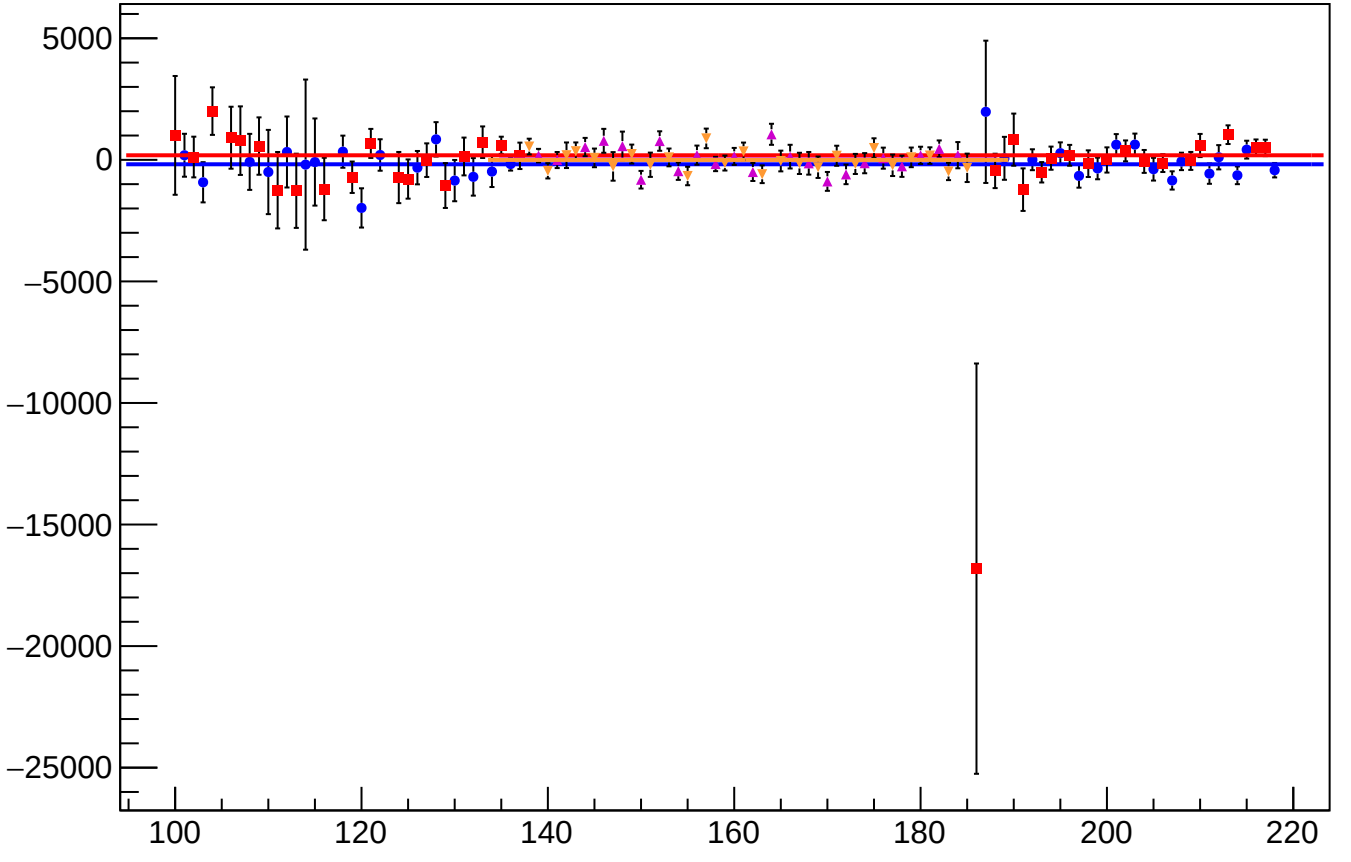
Left In: 82.993+/-0.014 χ^2/NDF:145607.1/22

+ sign 78.355+/-0.009 χ^2/NDF: 1775838.5/56

All: 79.052+/-0.006 χ^2/NDF: 4151709.9/115

- sign 79.792+/-0.009 χ^2/NDF: 2363283.6/58

asym_sam1_eigen_dit_correction_mean vs Slug



Right In: -182.463+/-90.811 χ^2/NDF: 29.6/31

Left Out: -3.094+/-78.582 χ^2/NDF:23.5/24

Right Out: 187.476+/-94.114 χ^2/NDF: 36.1/35

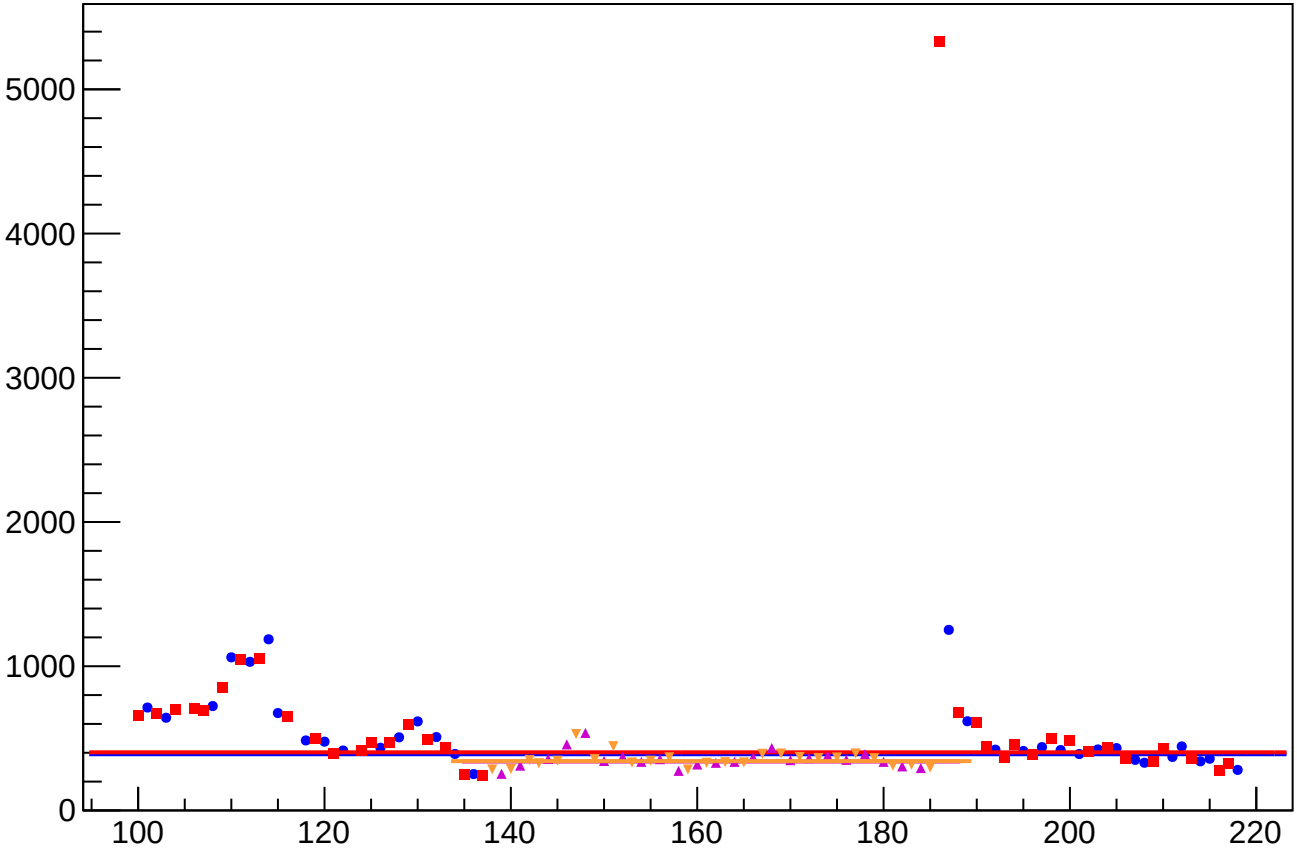
Left In: 16.519+/-80.410 χ^2/NDF:34.9/22

+ sign -79.896+/-59.423 χ^2/NDF: 55.3/56

All: 1.986+/-42.611 χ^2/NDF: 132.1/115

- sign 88.655+/-61.135 χ^2/NDF: 72.9/58

asym_sam1_eigen_dit_correction_rms vs Slug



Right In: 389.819+/-0.064 χ^2/NDF: 3119732.3/31

Left Out: 341.918+/-0.056 χ^2/NDF:653932.3/24

Right Out: 403.111+/-0.067 χ^2/NDF: 4145231.3/35

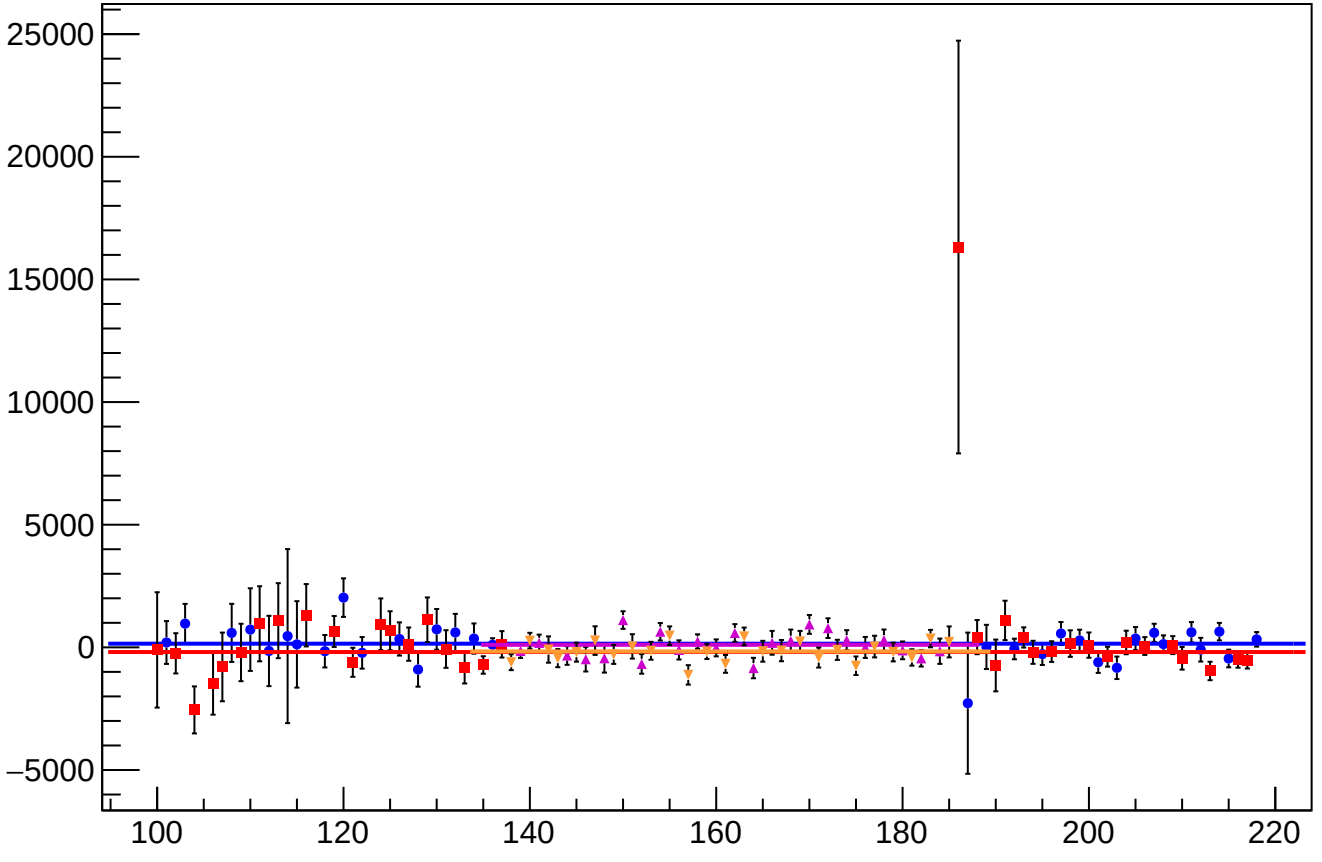
Left In: 339.430+/-0.057 χ^2/NDF:846709.1/22

+ sign 362.428+/-0.042 χ^2/NDF: 4091872.5/56

All: 364.309+/-0.030 χ^2/NDF: 9617238.5/115

- sign 366.300+/-0.043 χ^2/NDF: 5521240.6/58

asym_sam1_mean vs Slug



Right In: 149.458+/-89.806 χ^2/NDF: 29.6/31

Left Out: -167.380+/-78.179 χ^2/NDF:25.6/24

Right Out: -190.367+/-92.747 χ^2/NDF: 39.1/35

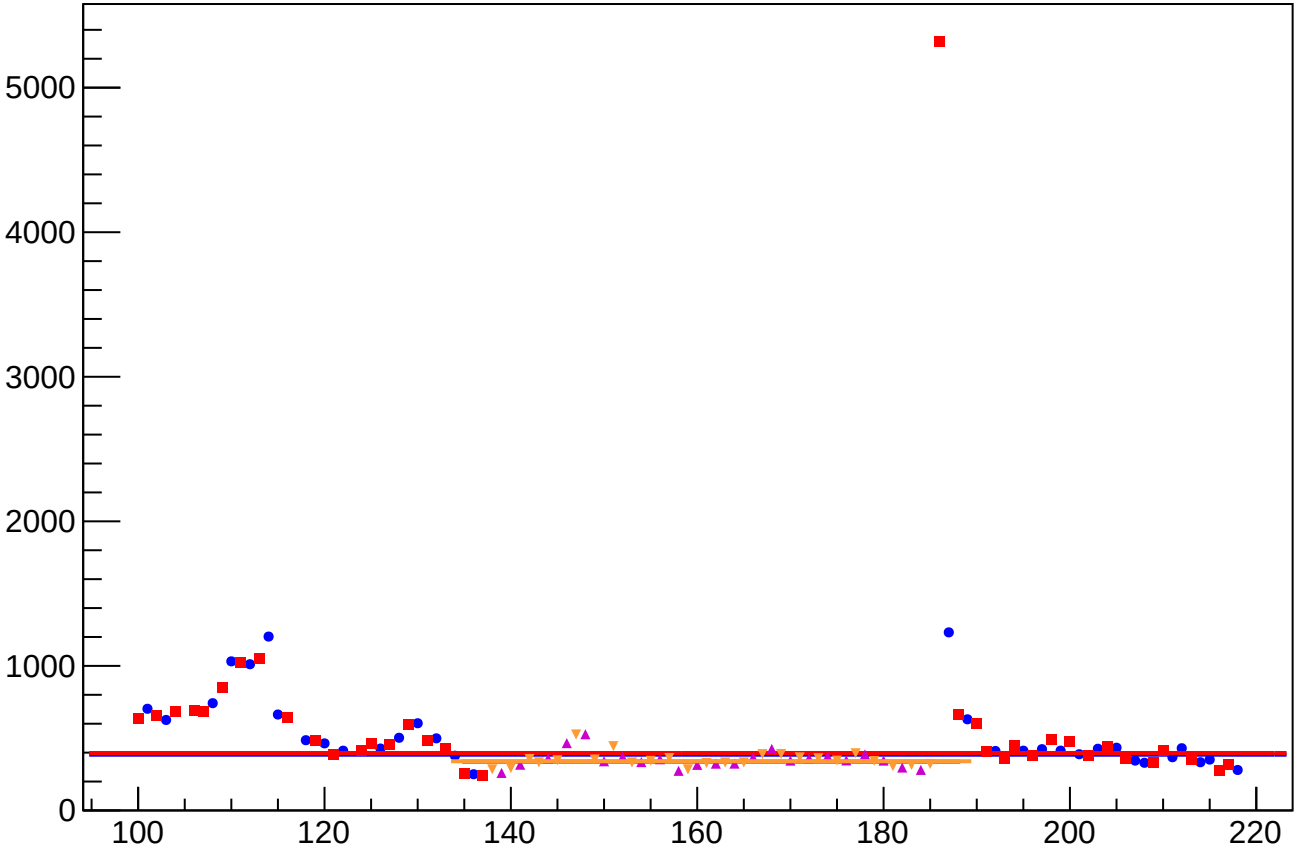
Left In: 104.016+/-79.995 χ^2/NDF:37.5/22

+ sign -30.787+/-58.966 χ^2/NDF: 62.2/56

All: -26.298+/-42.253 χ^2/NDF: 144.6/115

- sign -21.562+/-60.576 χ^2/NDF: 82.3/58

asym_sam1_rms vs Slug



Right In: 385.636+/-0.064 χ^2/NDF: 3092029.7/31

Left Out: 340.391+/-0.055 χ^2/NDF:604155.3/24

Right Out: 397.556+/-0.066 χ^2/NDF: 4093812.4/35

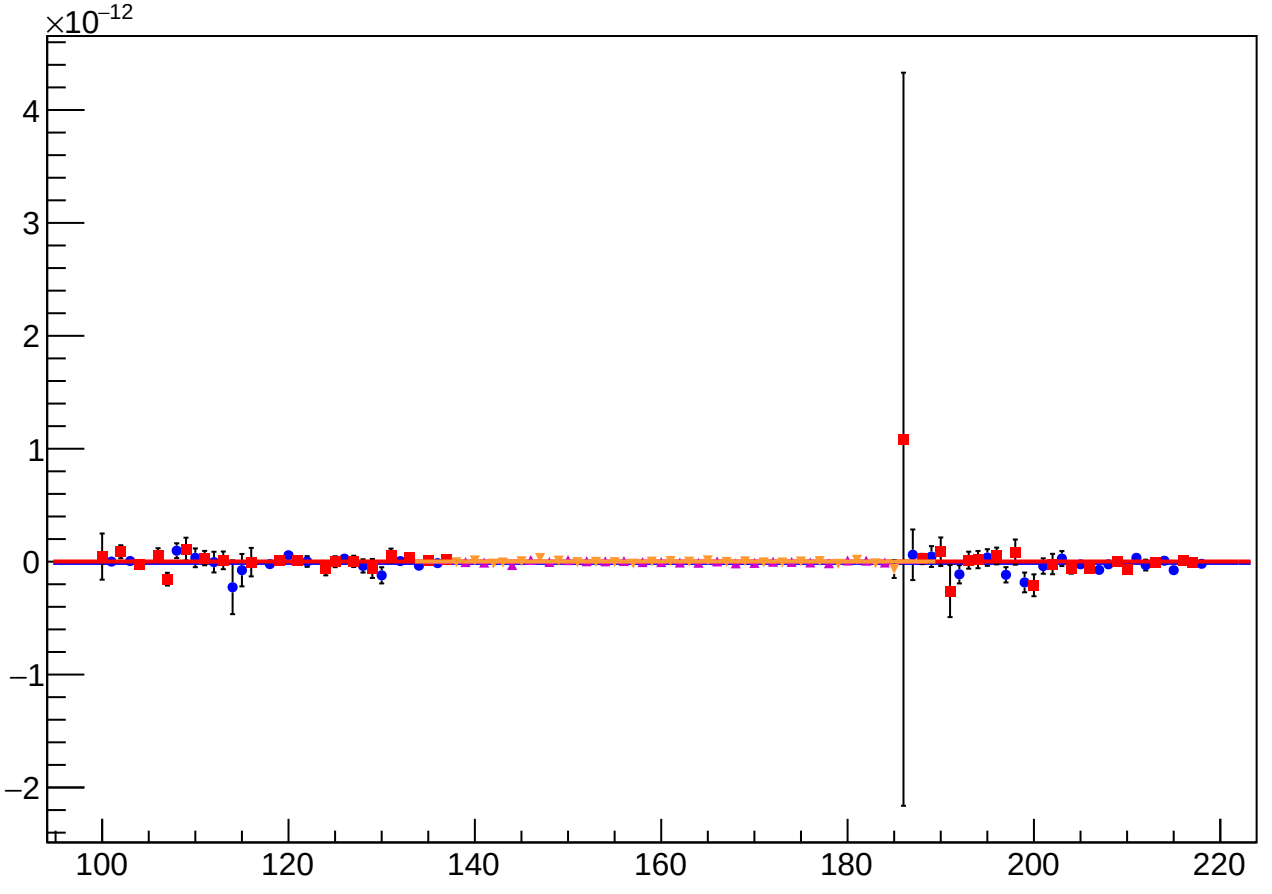
Left In: 337.759+/-0.057 χ^2/NDF:820674.4/22

+ sign 359.897+/-0.042 χ^2/NDF: 3984968.2/56

All: 361.536+/-0.030 χ^2/NDF: 9379354.0/115

- sign 363.267+/-0.043 χ^2/NDF: 5391206.7/58

asym_sam1_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 36.2/31

Left Out: 0.000+/-0.000 χ^2/NDF:16.2/24

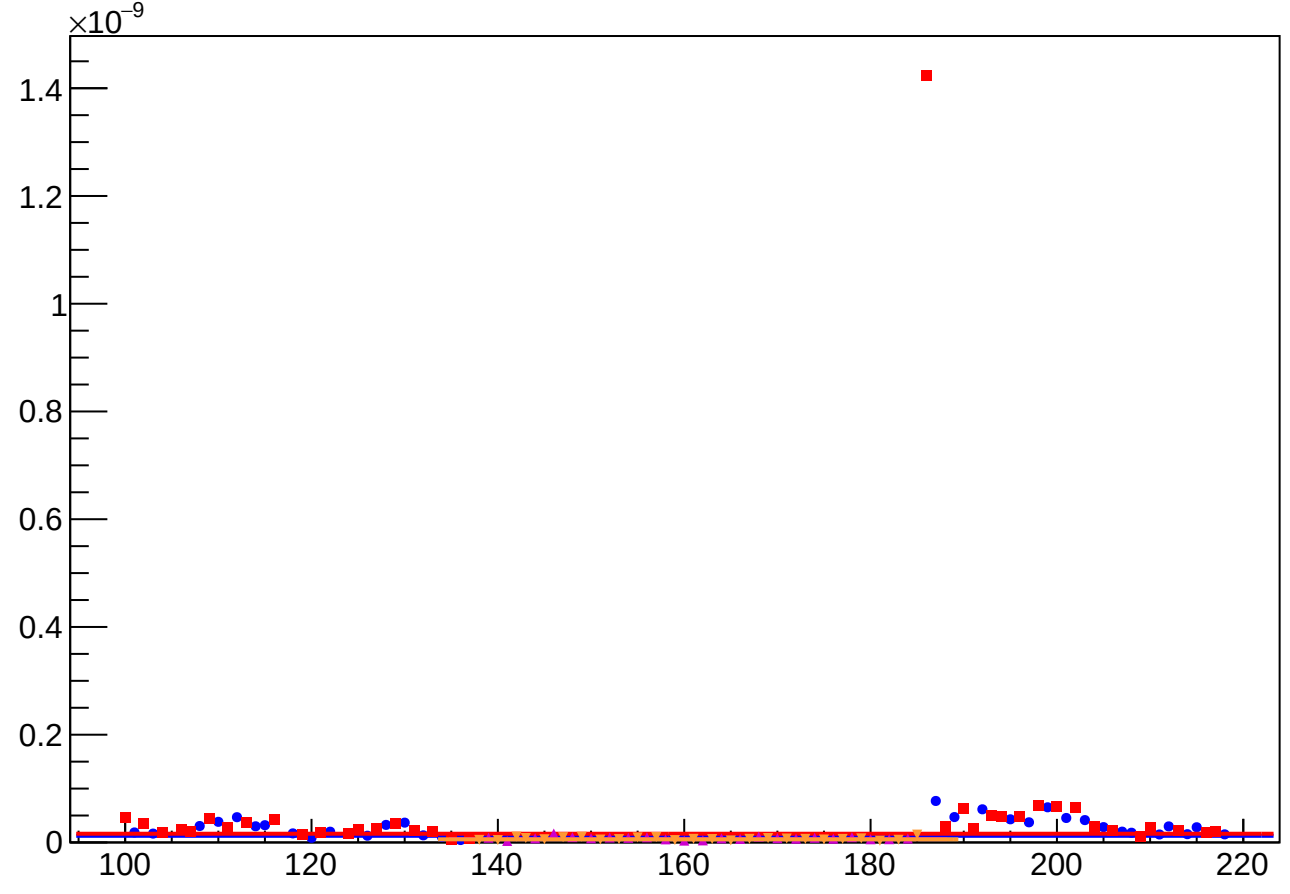
Right Out: 0.000+/-0.000 χ^2/NDF: 34.3/35

Left In: -0.000+/-0.000 χ^2/NDF:11.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 57.0/56

All: -0.000+/-0.000 χ^2/NDF: 104.1/115

- sign -0.000+/-0.000 χ^2/NDF: 46.7/58



Right In: 0.000+/-0.000 χ^2/NDF: 8146411.0/31

Left Out: 0.000+/-0.000 χ^2/NDF:1155947.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7428606.9/35

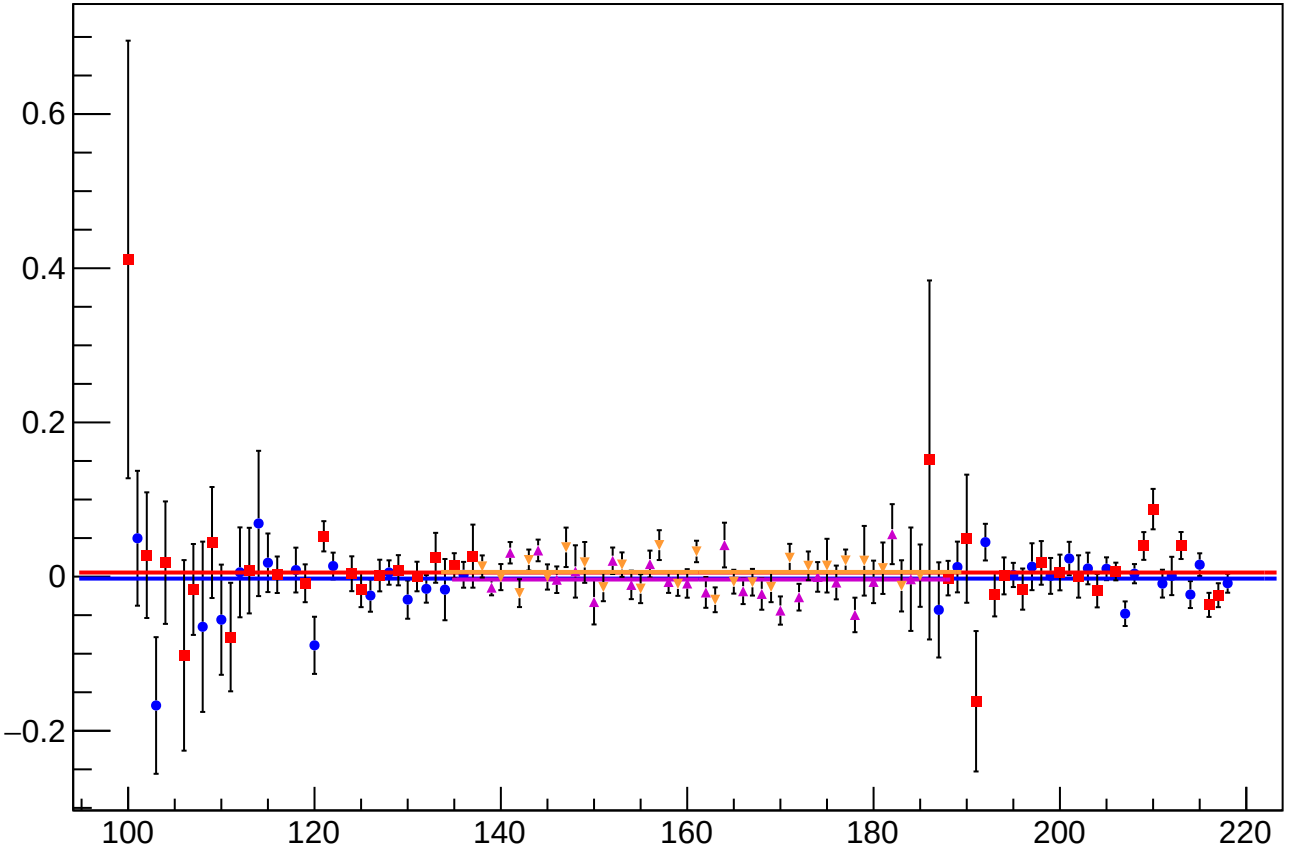
Left In: 0.000+/-0.000 χ^2/NDF:1970663.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 11920564.5/56

All: 0.000+/-0.000 χ^2/NDF: 25537683.8/115

- sign 0.000+/-0.000 χ^2/NDF: 13512140.8/58

asym_sam1_dit_vs_cor_diff_mean vs Slug



Right In: -0.003+/-0.004 χ^2/NDF: 34.6/31

Left Out: 0.006+/-0.004 χ^2/NDF:26.7/24

Right Out: 0.005+/-0.004 χ^2/NDF: 48.5/35

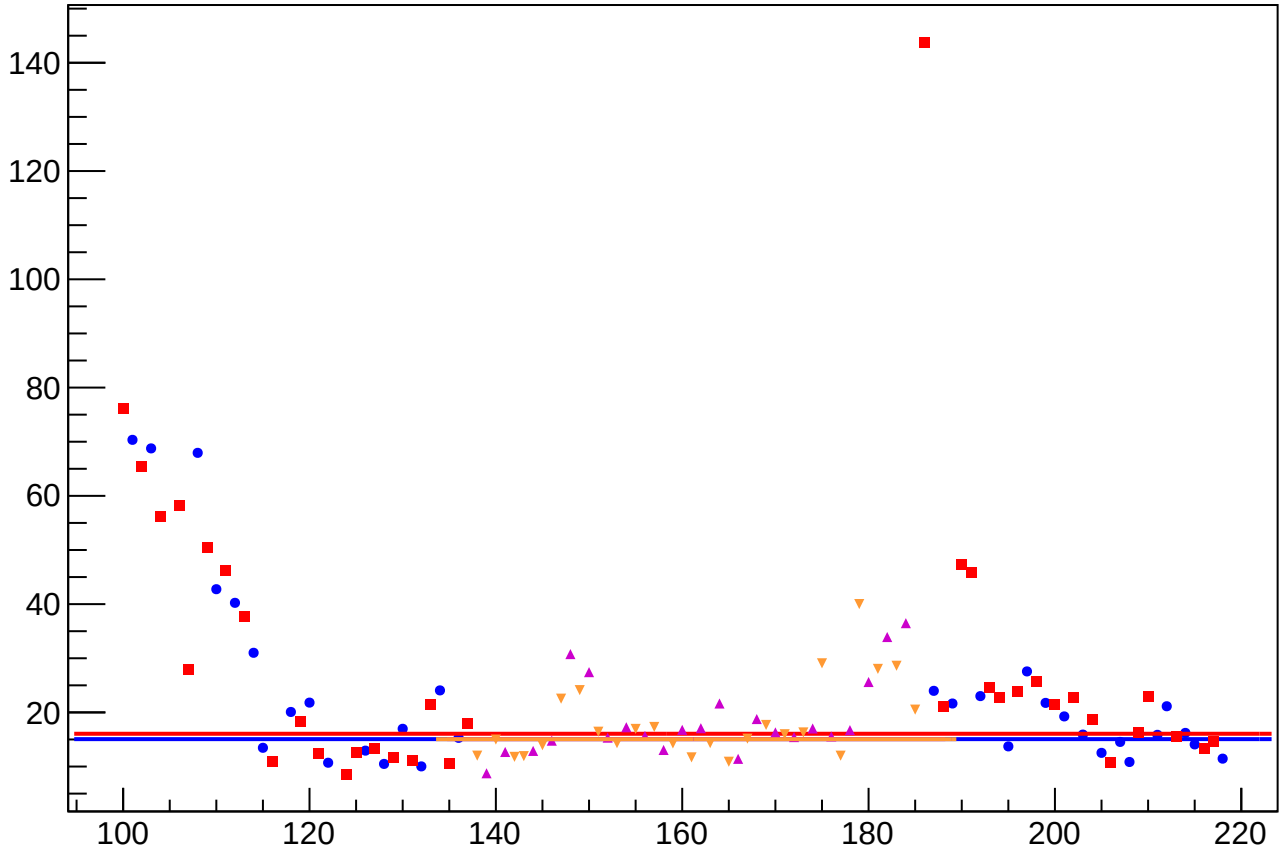
Left In: -0.004+/-0.004 χ^2/NDF:37.1/22

+ sign 0.002+/-0.003 χ^2/NDF: 64.0/56

All: 0.001+/-0.002 χ^2/NDF: 152.4/115

- sign 0.001+/-0.003 χ^2/NDF: 88.3/58

asym_sam1_dit_vs_cor_diff_rms vs Slug



Right In: 15.063+/-0.003 χ^2/NDF: 4983403.9/31

Left Out: 15.046+/-0.003 χ^2/NDF:2758075.6/24

Right Out: 16.055+/-0.003 χ^2/NDF: 6638734.8/35

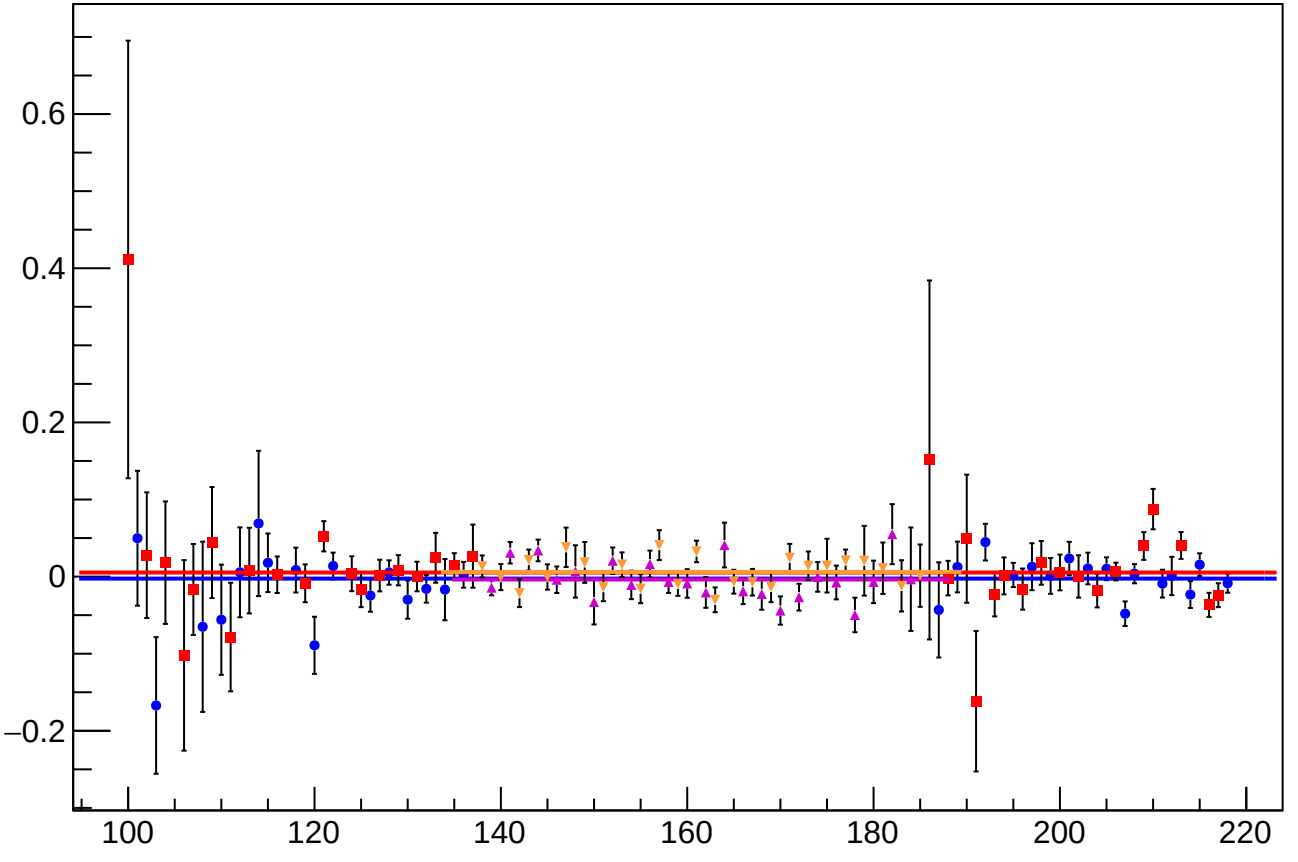
Left In: 15.068+/-0.003 χ^2/NDF:3066591.4/22

+ sign 15.055+/-0.002 χ^2/NDF: 7741499.8/56

All: 15.282+/-0.001 χ^2/NDF: 17541340.3/115

- sign 15.536+/-0.002 χ^2/NDF: 9768204.9/58

asym_sam1_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.003+/-0.004 χ^2/NDF: 34.6/31

Left Out: 0.006+/-0.004 χ^2/NDF:26.7/24

Right Out: 0.005+/-0.004 χ^2/NDF: 48.5/35

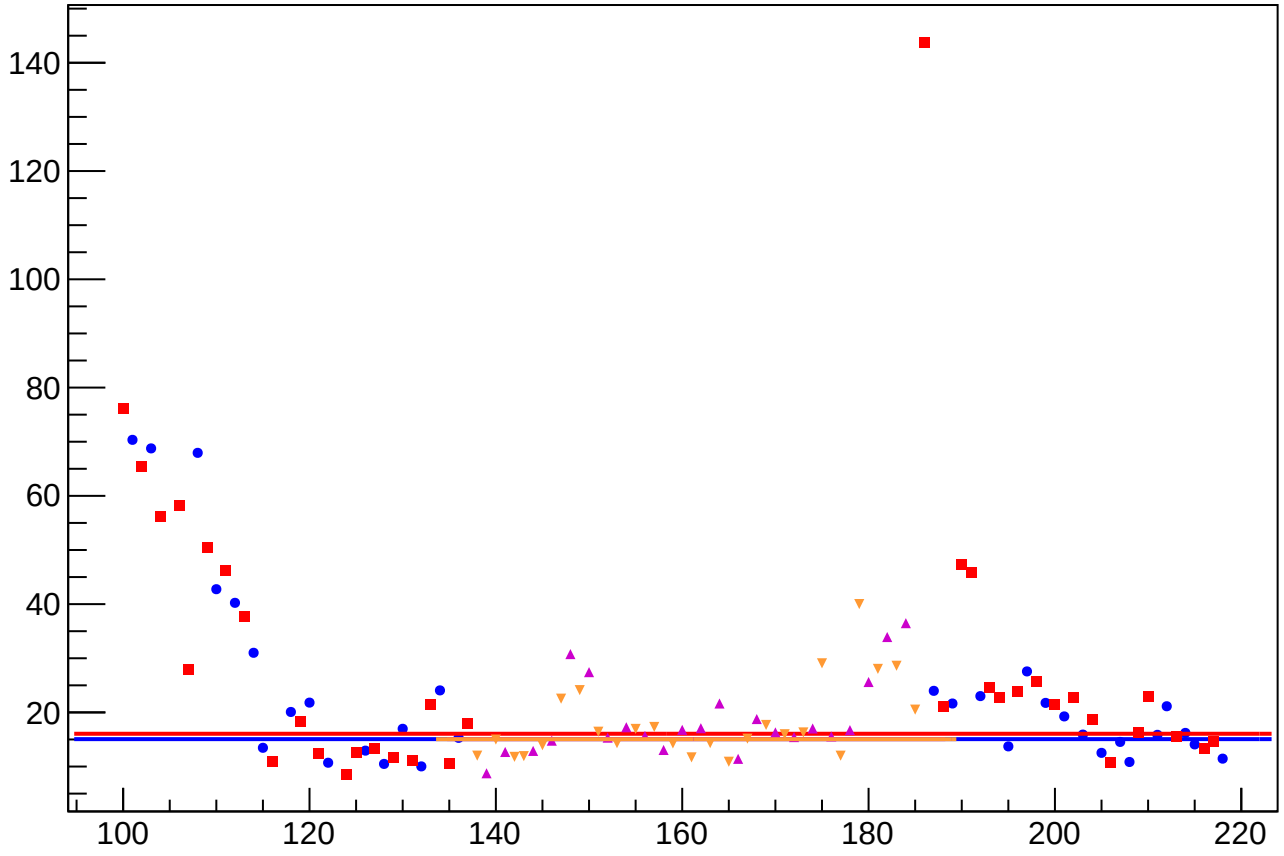
Left In: -0.004+/-0.004 χ^2/NDF:37.1/22

+ sign 0.002+/-0.003 χ^2/NDF: 64.0/56

All: 0.001+/-0.002 χ^2/NDF: 152.4/115

- sign 0.001+/-0.003 χ^2/NDF: 88.3/58

asym_sam1_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 15.063+/-0.003 χ^2/NDF: 4983403.9/31

Left Out: 15.046+/-0.003 χ^2/NDF:2758075.6/24

Right Out: 16.055+/-0.003 χ^2/NDF: 6638734.8/35

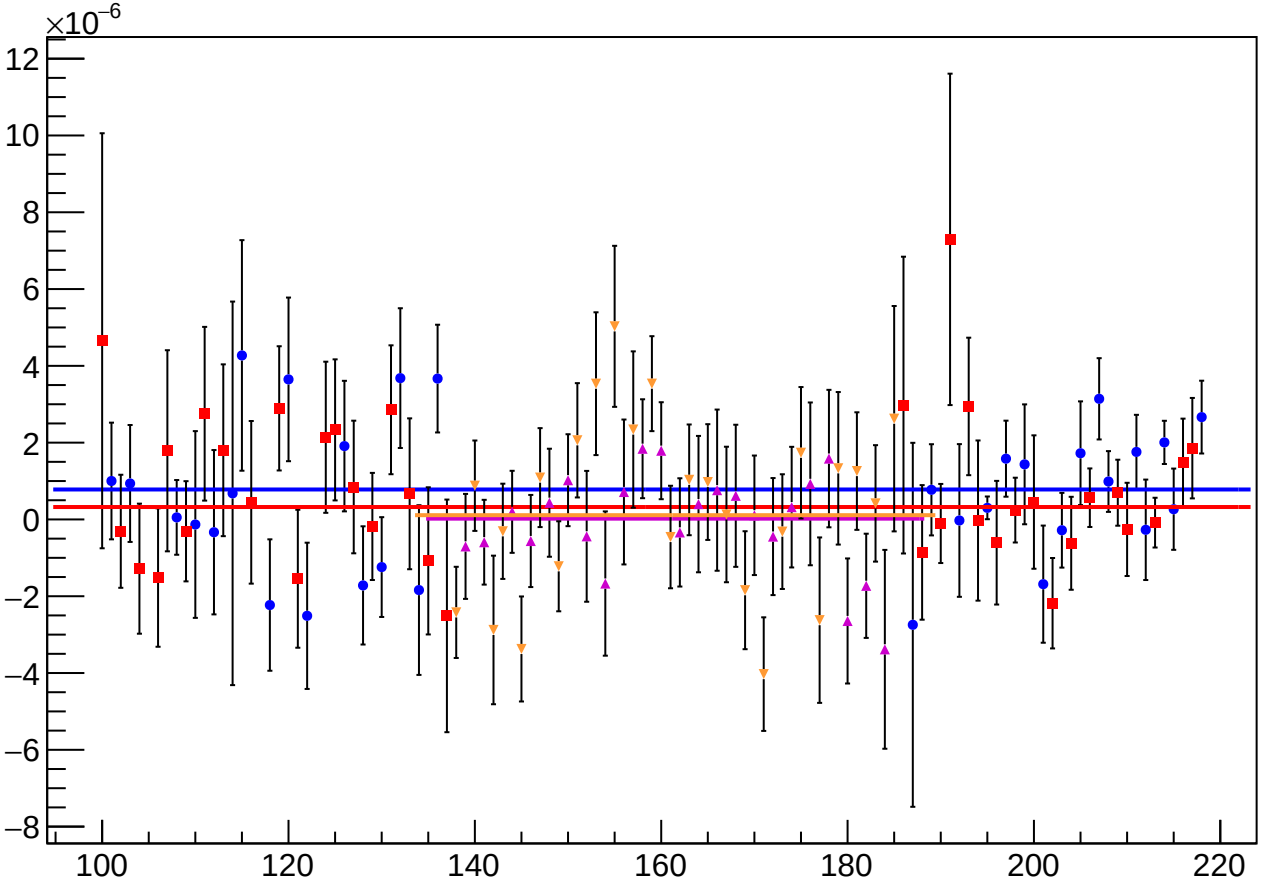
Left In: 15.068+/-0.003 χ^2/NDF:3066591.4/22

+ sign 15.055+/-0.002 χ^2/NDF: 7741499.8/56

All: 15.282+/-0.001 χ^2/NDF: 17541340.3/115

- sign 15.536+/-0.002 χ^2/NDF: 9768204.9/58

asym_sam1_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 48.0/31

Left Out: 0.000+/-0.000 χ^2/NDF:50.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 29.2/35

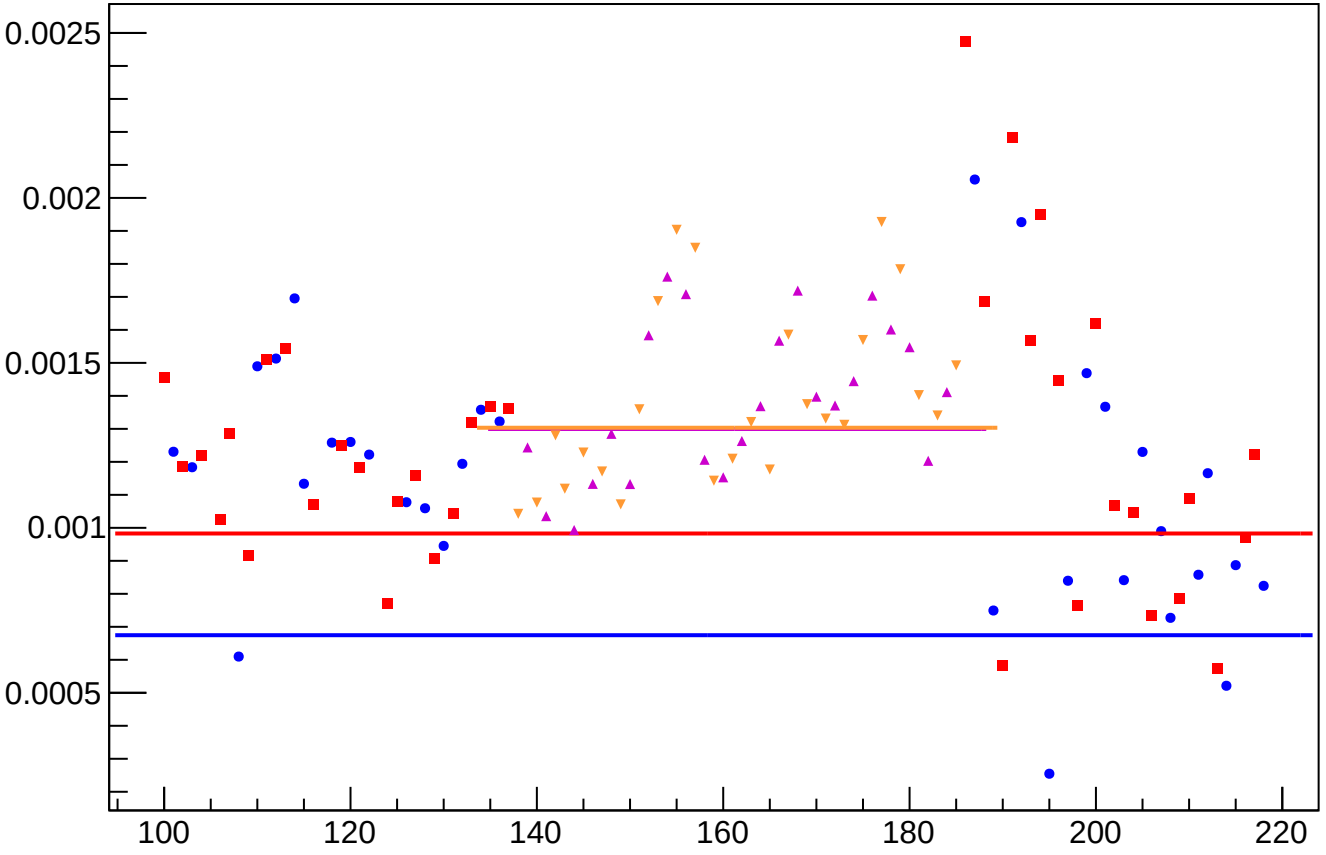
Left In: 0.000+/-0.000 χ^2/NDF:14.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 101.7/56

All: 0.000+/-0.000 χ^2/NDF: 148.1/115

- sign 0.000+/-0.000 χ^2/NDF: 43.9/58

asym_sam1_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 10016377.9/31

Left Out: 0.001+/-0.000 χ^2/NDF:1181536.6/24

Right Out: 0.001+/-0.000 χ^2/NDF: 4161248.6/35

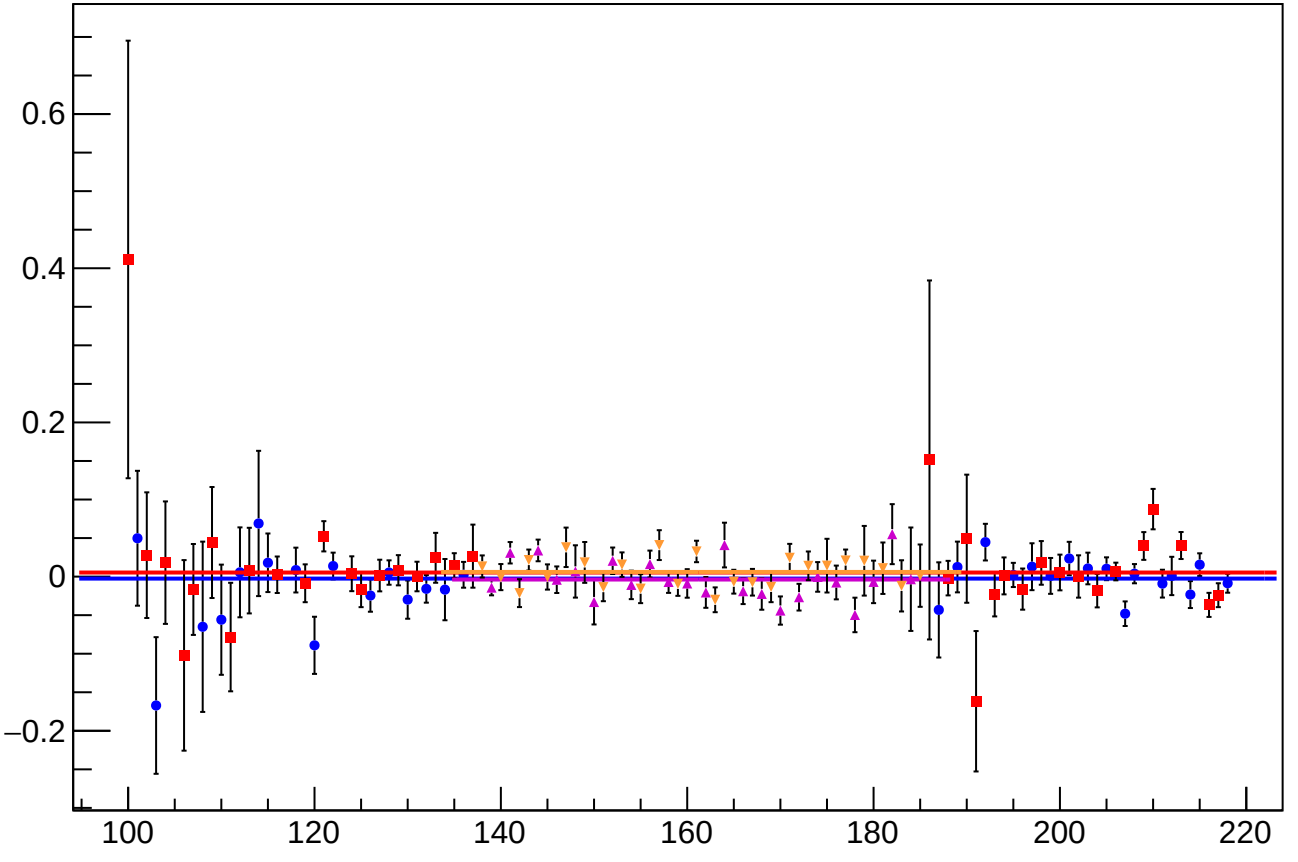
Left In: 0.001+/-0.000 χ^2/NDF:1026052.2/22

+ sign 0.001+/-0.000 χ^2/NDF: 17609824.5/56

All: 0.001+/-0.000 χ^2/NDF: 26409365.7/115

- sign 0.001+/-0.000 χ^2/NDF: 6529012.3/58

asym_sam1_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.003+/-0.004 χ^2/NDF: 34.6/31

Left Out: 0.006+/-0.004 χ^2/NDF:26.7/24

Right Out: 0.005+/-0.004 χ^2/NDF: 48.5/35

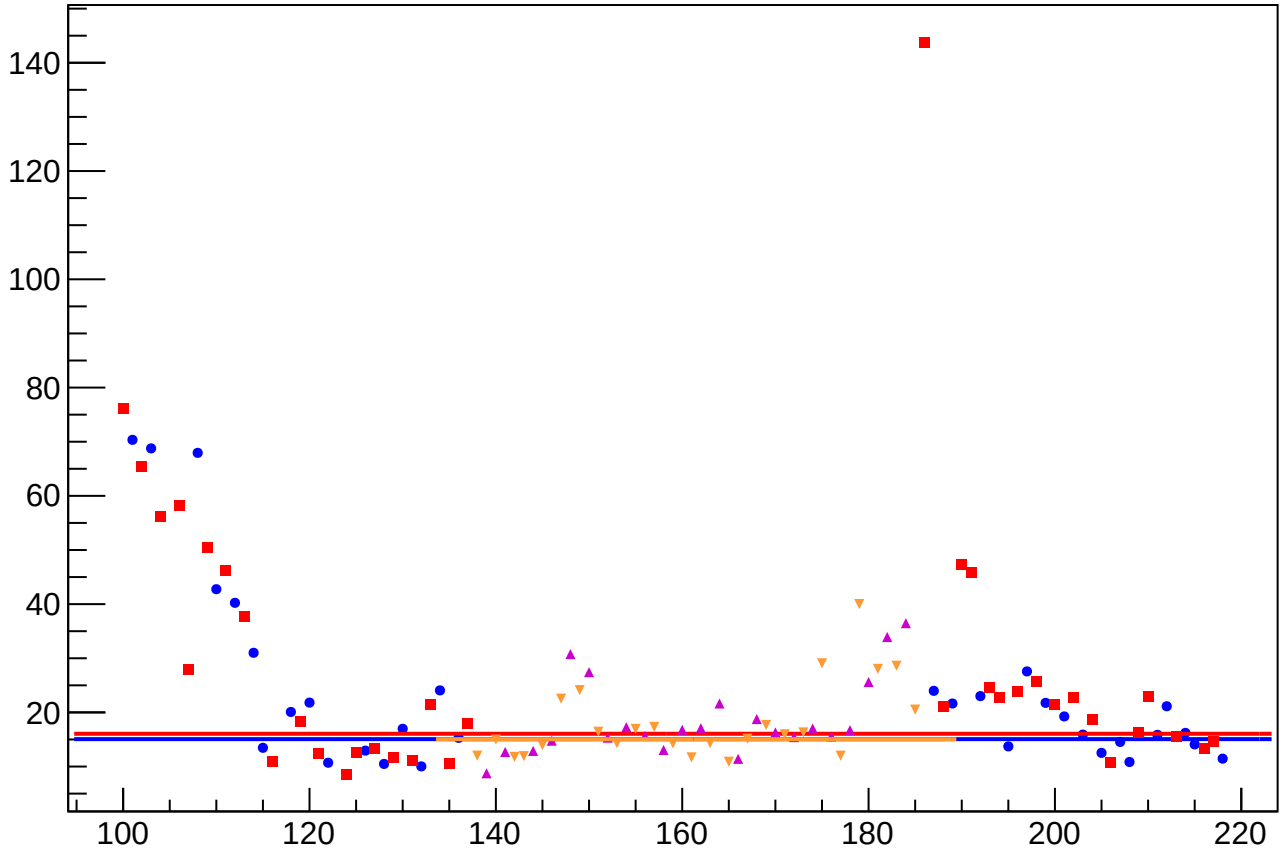
Left In: -0.004+/-0.004 χ^2/NDF:37.1/22

+ sign 0.002+/-0.003 χ^2/NDF: 64.0/56

All: 0.001+/-0.002 χ^2/NDF: 152.4/115

- sign 0.001+/-0.003 χ^2/NDF: 88.3/58

asym_sam1_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 15.063+/-0.003 χ^2/NDF: 4983409.8/31

Left Out: 15.046+/-0.003 χ^2/NDF:2758285.3/24

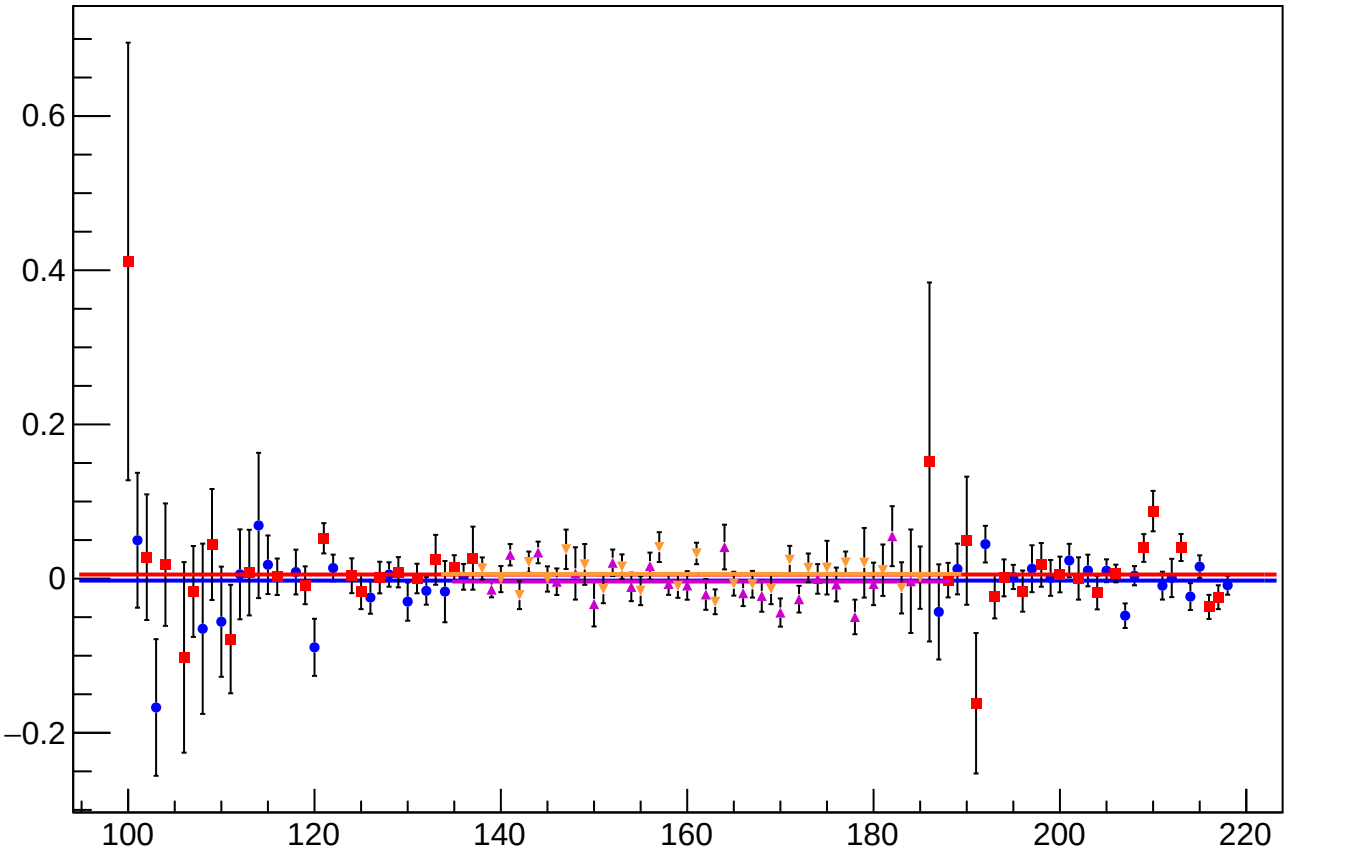
Right Out: 16.054+/-0.003 χ^2/NDF: 6638728.1/35

Left In: 15.067+/-0.003 χ^2/NDF:3066635.3/22

+ sign 15.054+/-0.002 χ^2/NDF: 7741715.1/56

All: 15.282+/-0.001 χ^2/NDF: 17541587.6/115

- sign 15.536+/-0.002 χ^2/NDF: 9768228.4/58



Right In: -0.003+/-0.004 χ^2/NDF: 34.6/31

Left Out: 0.006+/-0.004 χ^2/NDF:26.7/24

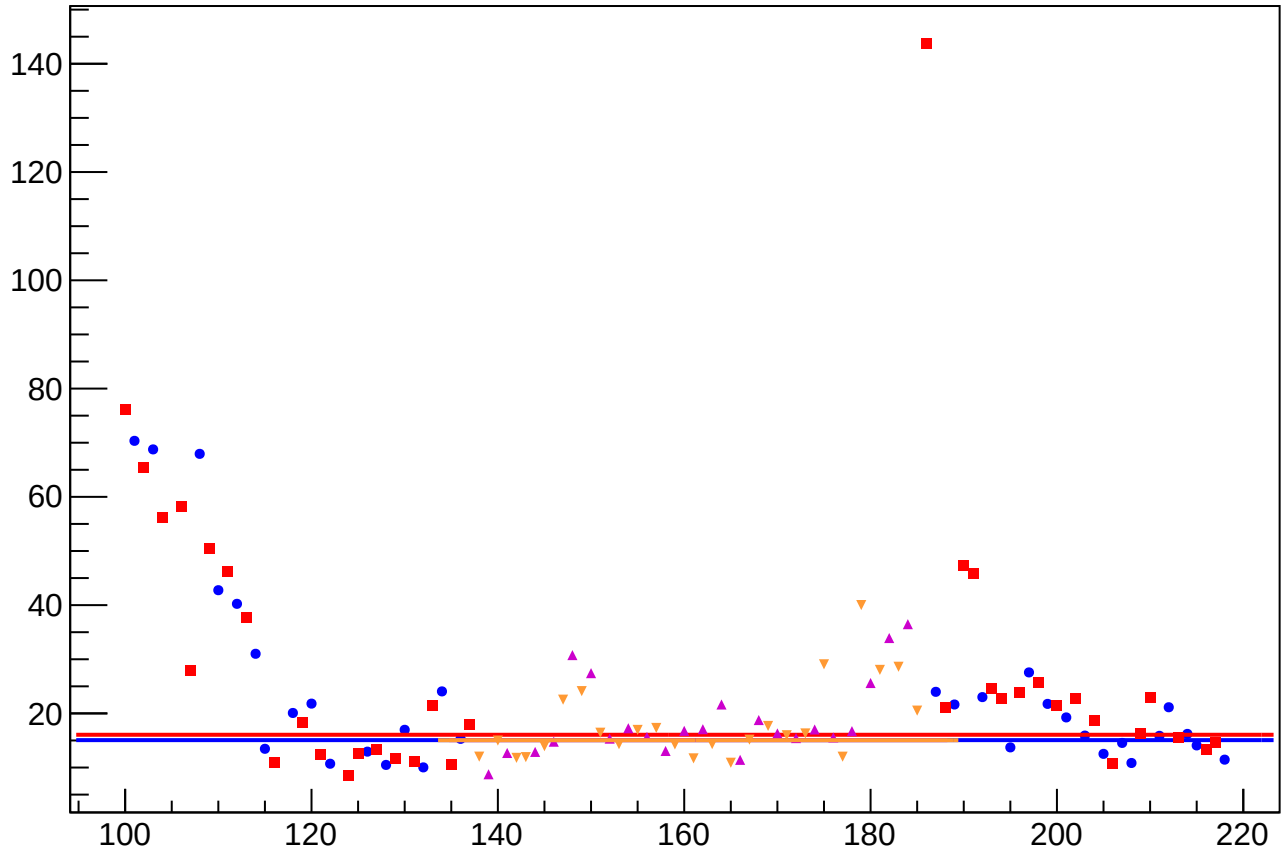
Right Out: 0.005+/-0.004 χ^2/NDF: 48.5/35

Left In: -0.004+/-0.004 χ^2/NDF:37.1/22

+ sign 0.002+/-0.003 χ^2/NDF: 64.0/56

All: 0.001+/-0.002 χ^2/NDF: 152.4/115

- sign 0.001+/-0.003 χ^2/NDF: 88.3/58



Right In: 15.063+/-0.003 χ^2/NDF: 4983409.8/31

Left Out: 15.046+/-0.003 χ^2/NDF:2758285.3/24

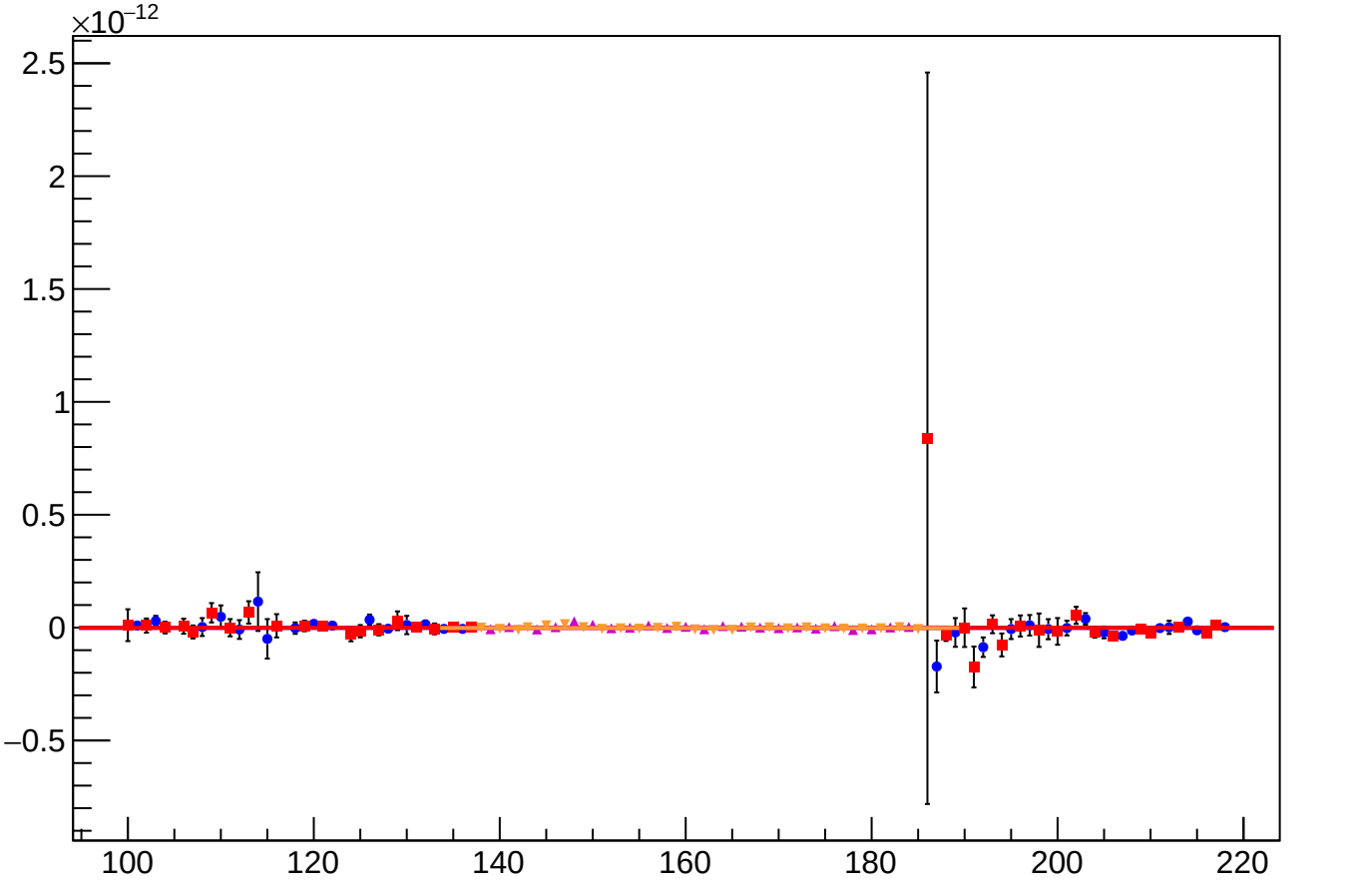
Right Out: 16.054+/-0.003 χ^2/NDF: 6638728.1/35

Left In: 15.067+/-0.003 χ^2/NDF:3066635.3/22

+ sign 15.054+/-0.002 χ^2/NDF: 7741715.1/56

All: 15.282+/-0.001 χ^2/NDF: 17541587.6/115

- sign 15.536+/-0.002 χ^2/NDF: 9768228.4/58



Right In: -0.000+/-0.000 χ^2/NDF: 26.7/31

Left Out: -0.000+/-0.000 χ^2/NDF:15.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 26.5/35

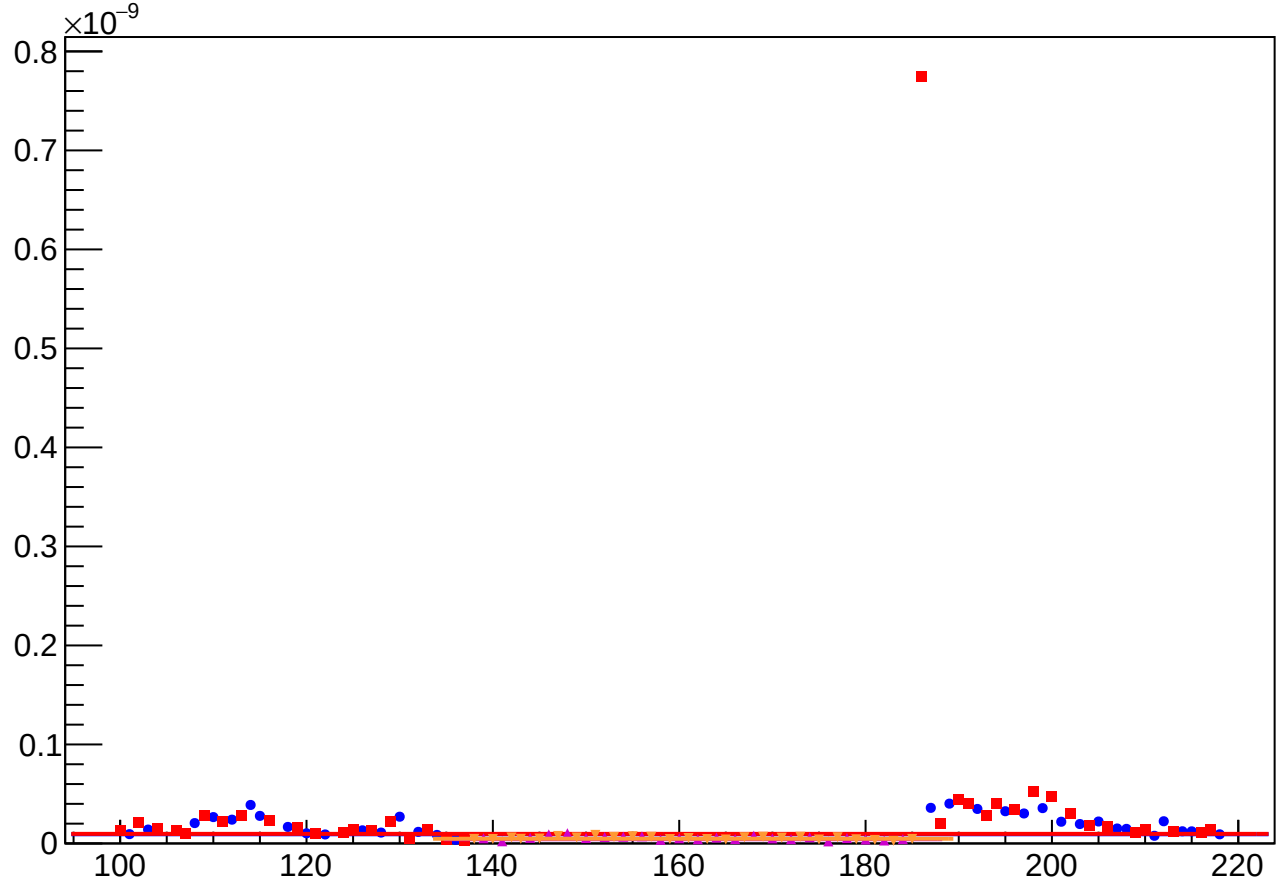
Left In: 0.000+/-0.000 χ^2/NDF:21.3/22

+ sign -0.000+/-0.000 χ^2/NDF: 41.9/56

All: -0.000+/-0.000 χ^2/NDF: 91.6/115

- sign 0.000+/-0.000 χ^2/NDF: 48.1/58

asym_sam1_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 9407534.7/31

Left Out: 0.000+/-0.000 χ^2/NDF:2098495.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 11291987.6/35

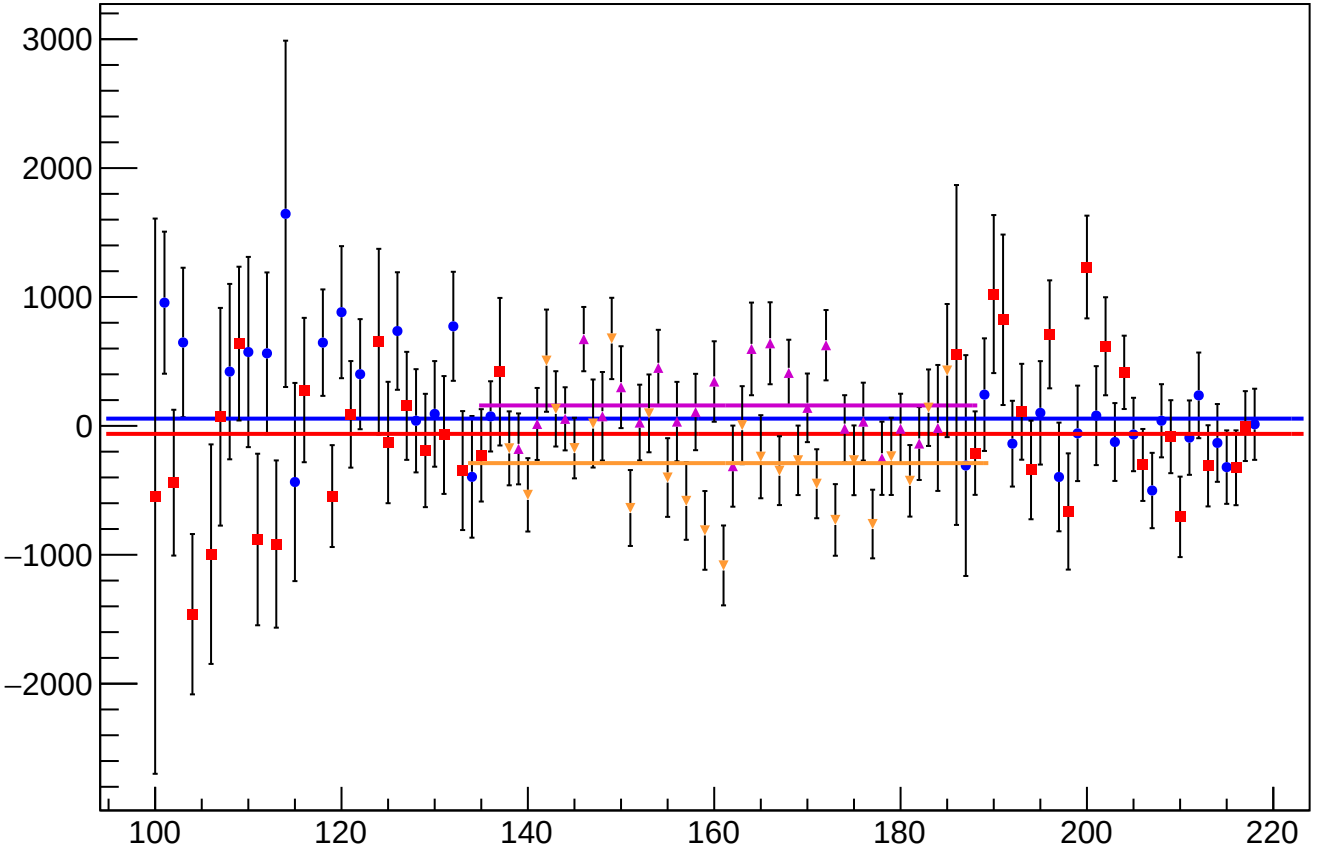
Left In: 0.000+/-0.000 χ^2/NDF:3526134.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 15065639.4/56

All: 0.000+/-0.000 χ^2/NDF: 34648497.8/115

- sign 0.000+/-0.000 χ^2/NDF: 19435933.3/58

reg_asym_sam2_mean vs Slug



Right In: 56.322+/-67.847 χ^2/NDF: 27.1/31

Left Out: -288.924+/-59.035 χ^2/NDF:42.4/24

Right Out: -62.034+/-69.731 χ^2/NDF: 50.4/35

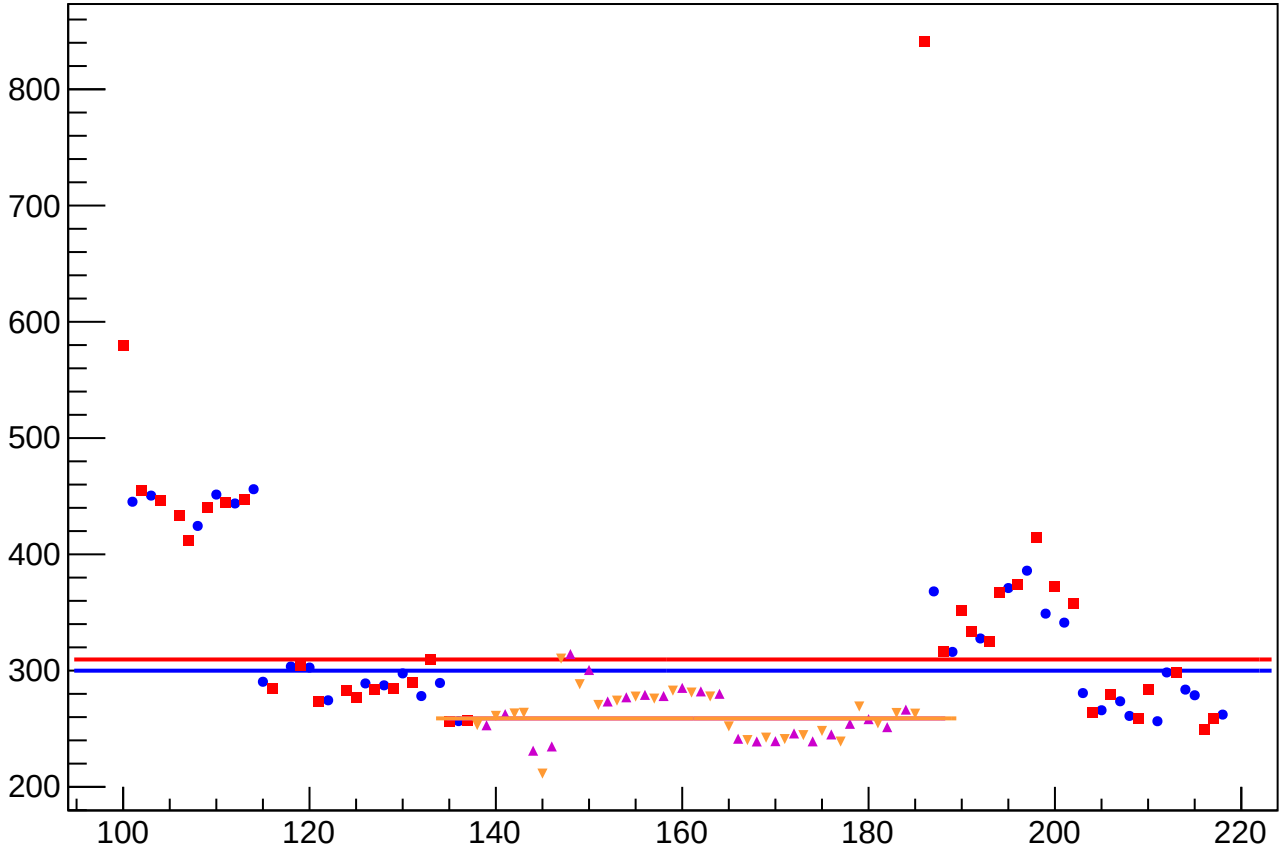
Left In: 158.601+/-60.708 χ^2/NDF:22.5/22

+ sign -140.164+/-44.536 χ^2/NDF: 84.3/56

All: -41.165+/-31.925 χ^2/NDF: 173.1/115

- sign 63.474+/-45.787 χ^2/NDF: 78.6/58

reg_asym_sam2_rms vs Slug



Right In: 299.943+/-0.048 χ^2/NDF: 1049064.2/31

Left Out: 258.912+/-0.042 χ^2/NDF:248740.9/24

Right Out: 309.582+/-0.049 χ^2/NDF: 1647478.7/35

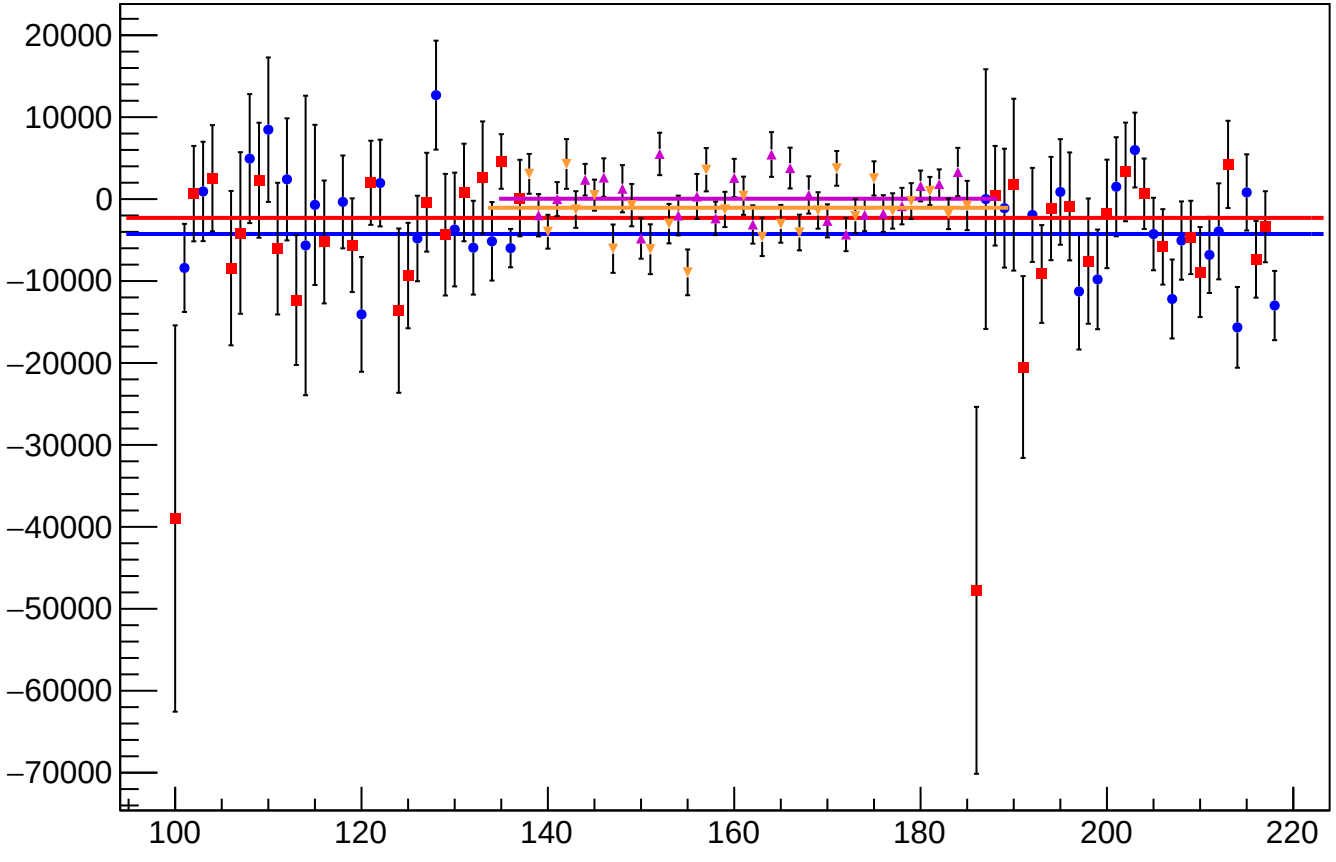
Left In: 258.843+/-0.043 χ^2/NDF:244953.3/22

+ sign 276.592+/-0.031 χ^2/NDF: 1714100.4/56

All: 278.598+/-0.023 χ^2/NDF: 4217246.3/115

- sign 280.719+/-0.032 χ^2/NDF: 2494794.0/58

asym_sam2_reg_correction_mean vs Slug



Right In: -4259.124+/-952.544 χ^2/NDF: 39.4/31

Left Out: -1059.229+/-454.653 χ^2/NDF:41.5/24

Right Out: -2293.124+/-1005.745 χ^2/NDF: 30.5/35

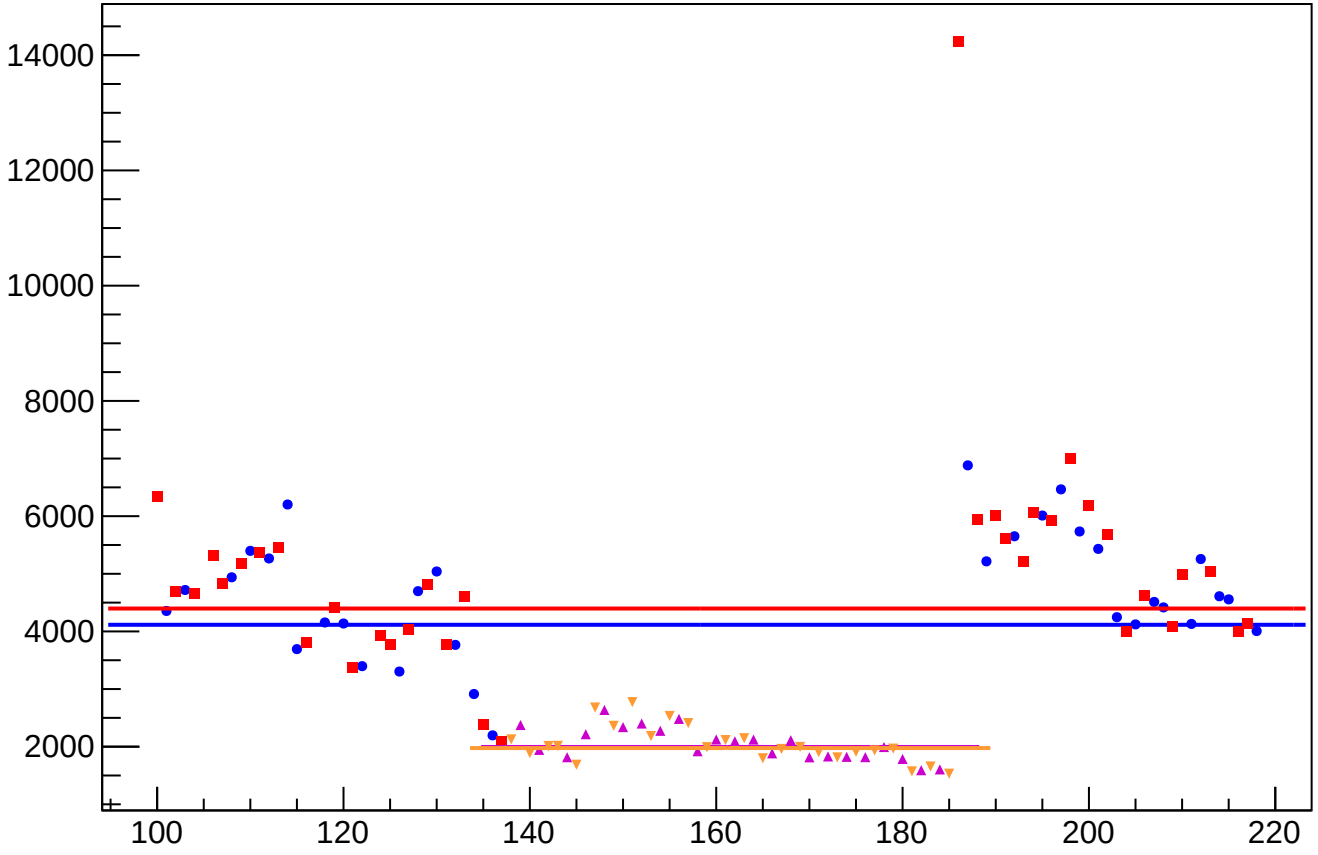
Left In: 44.352+/-470.700 χ^2/NDF:34.2/22

+ sign -1652.962+/-410.311 χ^2/NDF: 90.1/56

All: -1038.737+/-295.631 χ^2/NDF: 163.9/115

- sign -375.643+/-426.321 χ^2/NDF: 69.1/58

asym_sam2_reg_correction_rms vs Slug



Right In: 4115.201+/-0.674 χ^2/NDF: 2793741.1/31

Left Out: 1975.967+/-0.321 χ^2/NDF:763327.6/24

Right Out: 4397.295+/-0.711 χ^2/NDF: 2954566.4/35

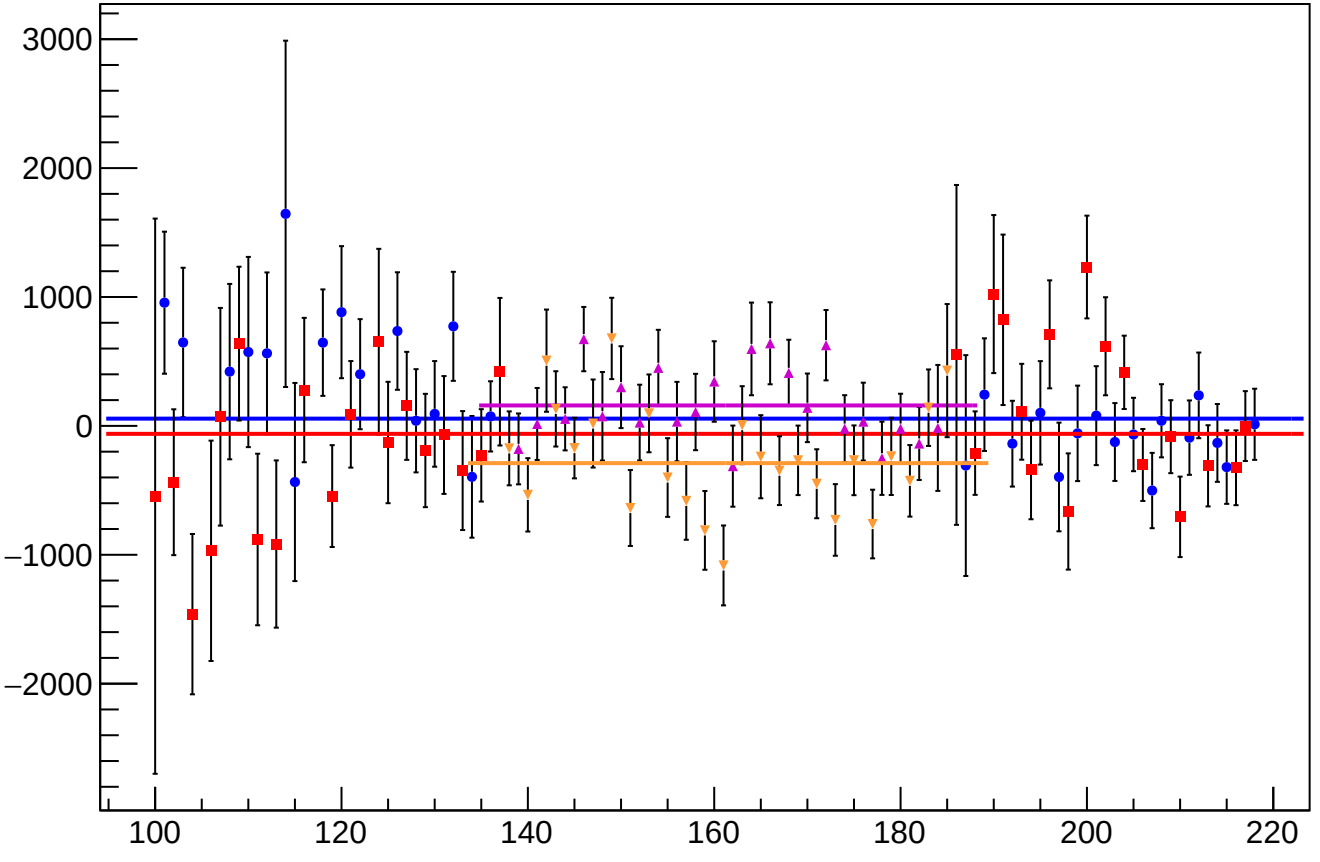
Left In: 1994.760+/-0.333 χ^2/NDF:599994.9/22

+ sign 2372.897+/-0.290 χ^2/NDF: 11772724.8/56

All: 2398.646+/-0.209 χ^2/NDF: 24705854.4/1

- sign 2426.444+/-0.301 χ^2/NDF: 12916749.6/58

cor_asym_sam2_mean vs Slug



Right In: 56.300+/-67.847 χ^2/NDF: 27.1/31

Left Out: -288.928+/-59.035 χ^2/NDF:42.4/24

Right Out: -61.748+/-69.733 χ^2/NDF: 50.3/35

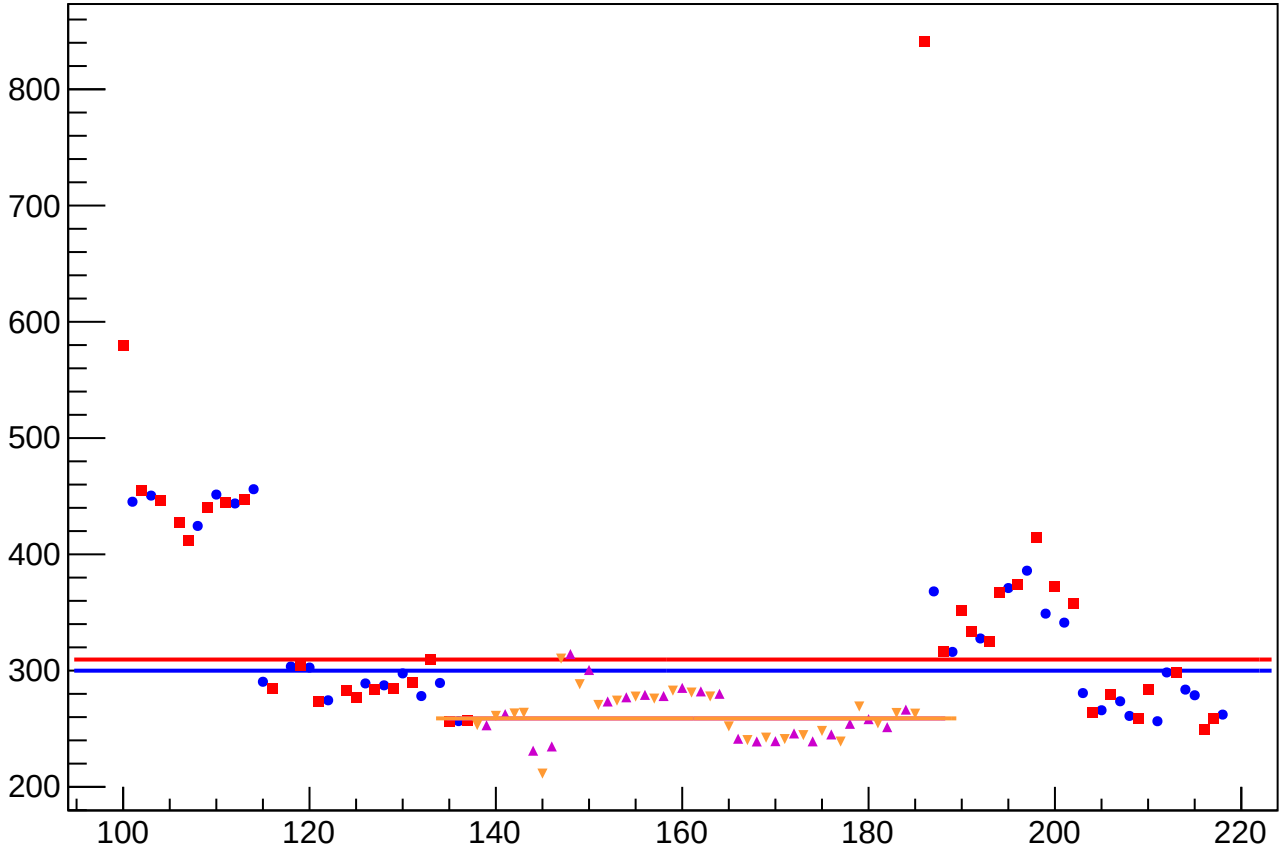
Left In: 158.612+/-60.708 χ^2/NDF:22.5/22

+ sign -140.176+/-44.536 χ^2/NDF: 84.3/56

All: -41.108+/-31.925 χ^2/NDF: 173.0/115

- sign 63.606+/-45.787 χ^2/NDF: 78.5/58

cor_asym_sam2_rms vs Slug



Right In: 299.943+/-0.048 χ^2/NDF: 1049065.7/31

Left Out: 258.912+/-0.042 χ^2/NDF:248740.9/24

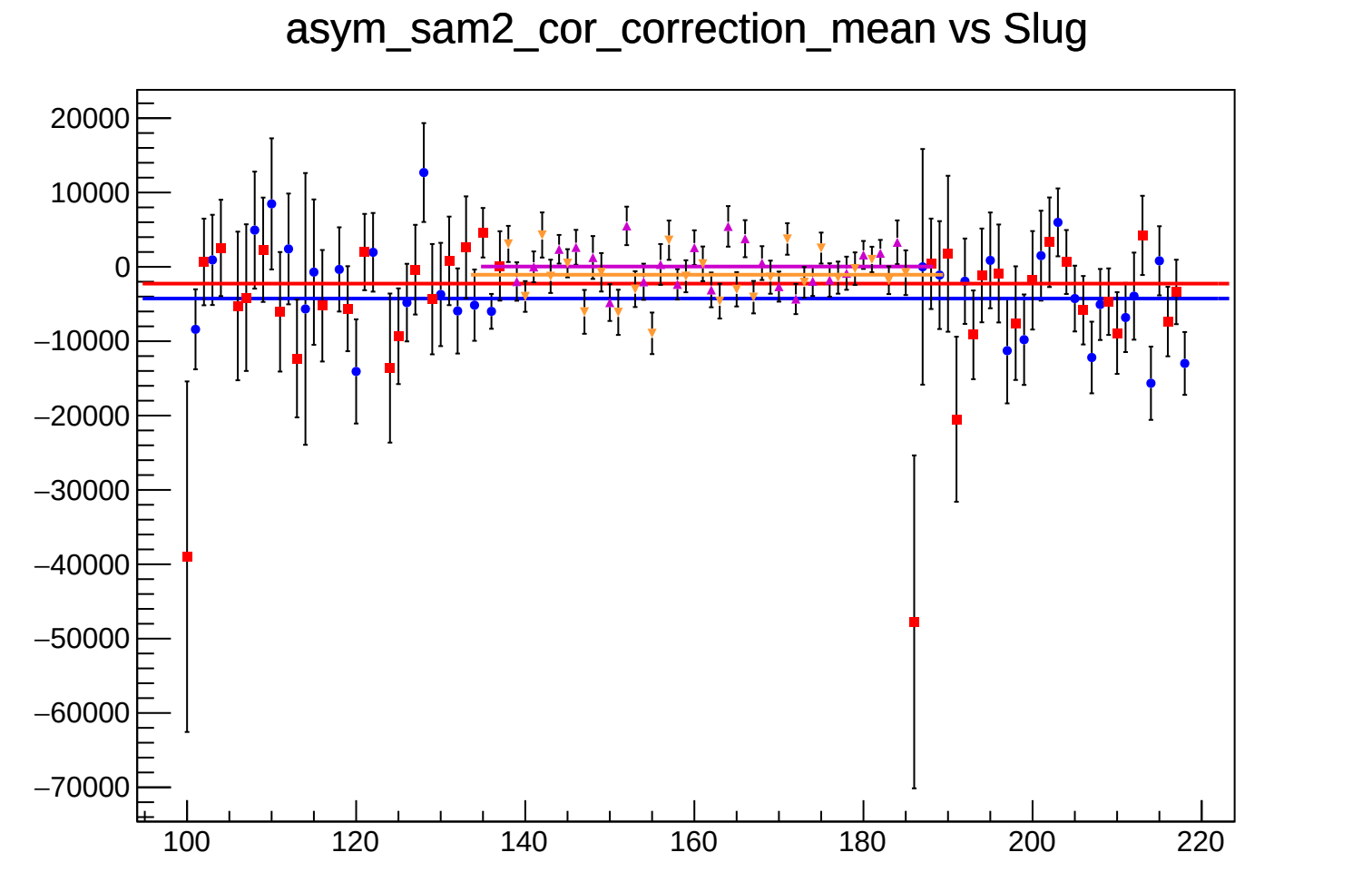
Right Out: 309.531+/-0.049 χ^2/NDF: 1642893.4/35

Left In: 258.843+/-0.043 χ^2/NDF:244953.3/22

+ sign 276.592+/-0.031 χ^2/NDF: 1714101.9/56

All: 278.587+/-0.023 χ^2/NDF: 4211351.5/115

- sign 280.697+/-0.032 χ^2/NDF: 2488988.8/58



Right In: -4259.105+/-952.545 χ^2/NDF: 39.4/31

Left Out: -1059.232+/-454.653 χ^2/NDF:41.5/24

Right Out: -2253.513+/-1006.401 χ^2/NDF: 30.2/35

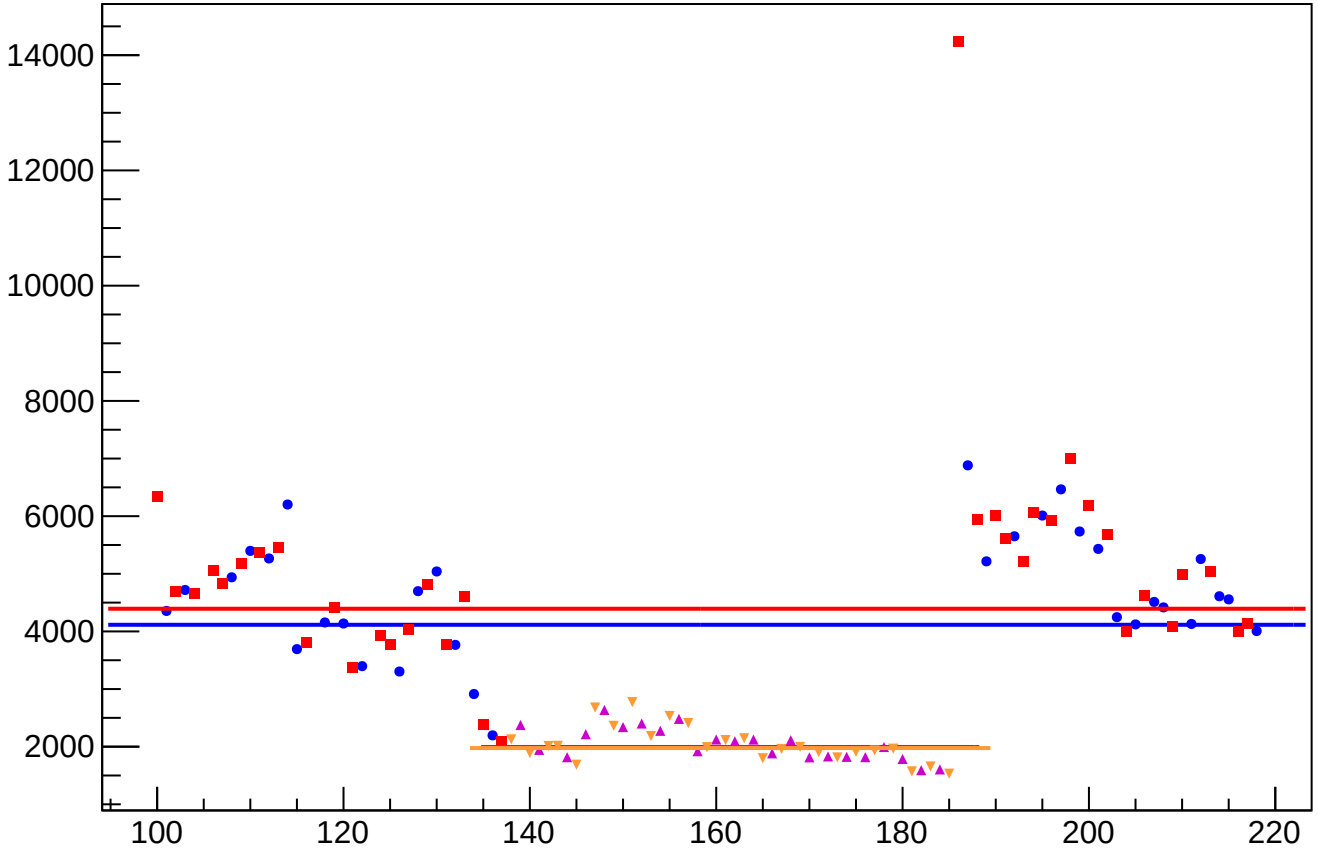
Left In: 44.348+/-470.700 χ^2/NDF:34.2/22

+ sign -1652.960+/-410.311 χ^2/NDF: 90.1/56

All: -1035.178+/-295.648 χ^2/NDF: 163.4/115

- sign -368.088+/-426.371 χ^2/NDF: 68.6/58

asym_sam2_cor_correction_rms vs Slug



Right In: 4115.205+/-0.674 χ^2/NDF: 2793749.2/31

Left Out: 1975.967+/-0.321 χ^2/NDF:763328.1/24

Right Out: 4393.707+/-0.712 χ^2/NDF: 2944742.2/35

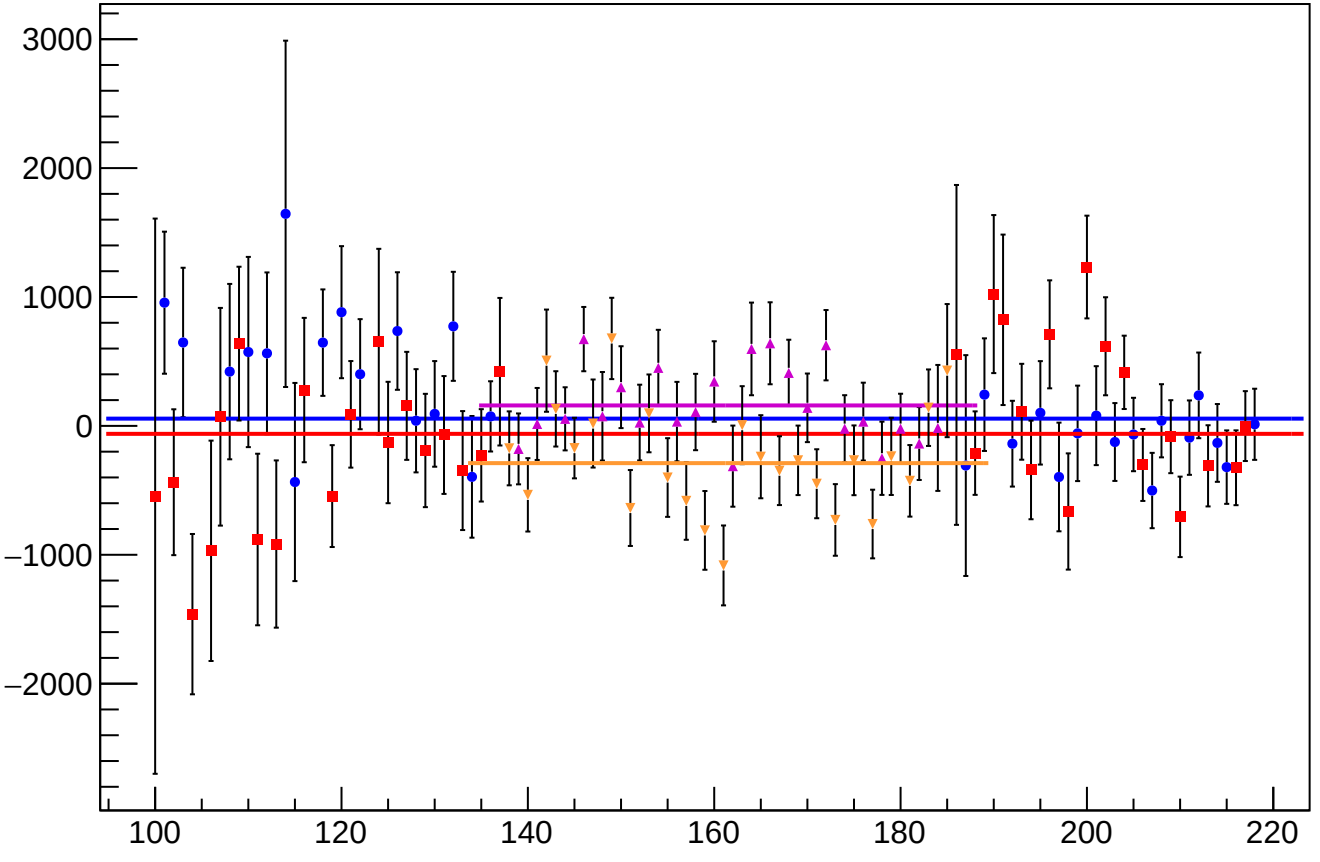
Left In: 1994.760+/-0.333 χ^2/NDF:599996.2/22

+ sign 2372.897+/-0.290 χ^2/NDF: 11772744.6/56

All: 2398.112+/-0.209 χ^2/NDF: 24657456.6/1

- sign 2425.340+/-0.301 χ^2/NDF: 12869002.9/58

eigen_cor_asym_sam2_mean vs Slug



Right In: 56.300+/-67.847 χ^2/NDF: 27.1/31

Left Out: -288.928+/-59.035 χ^2/NDF:42.4/24

Right Out: -61.748+/-69.733 χ^2/NDF: 50.3/35

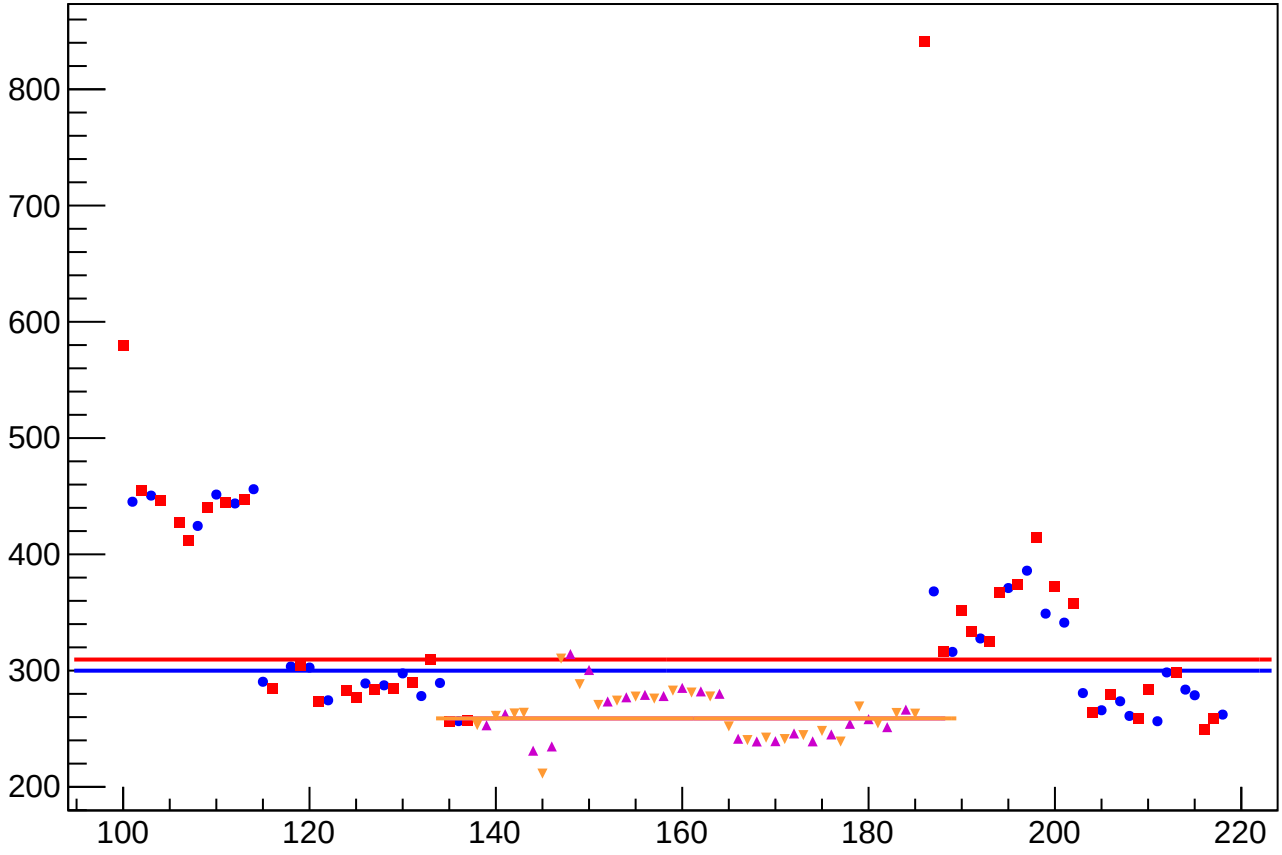
Left In: 158.612+/-60.708 χ^2/NDF:22.5/22

+ sign -140.176+/-44.536 χ^2/NDF: 84.3/56

All: -41.108+/-31.925 χ^2/NDF: 173.0/115

- sign 63.606+/-45.787 χ^2/NDF: 78.5/58

eigen_cor_asym_sam2_rms vs Slug



Right In: 299.943+/-0.048 χ^2/NDF: 1049065.7/31

Left Out: 258.912+/-0.042 χ^2/NDF:248740.9/24

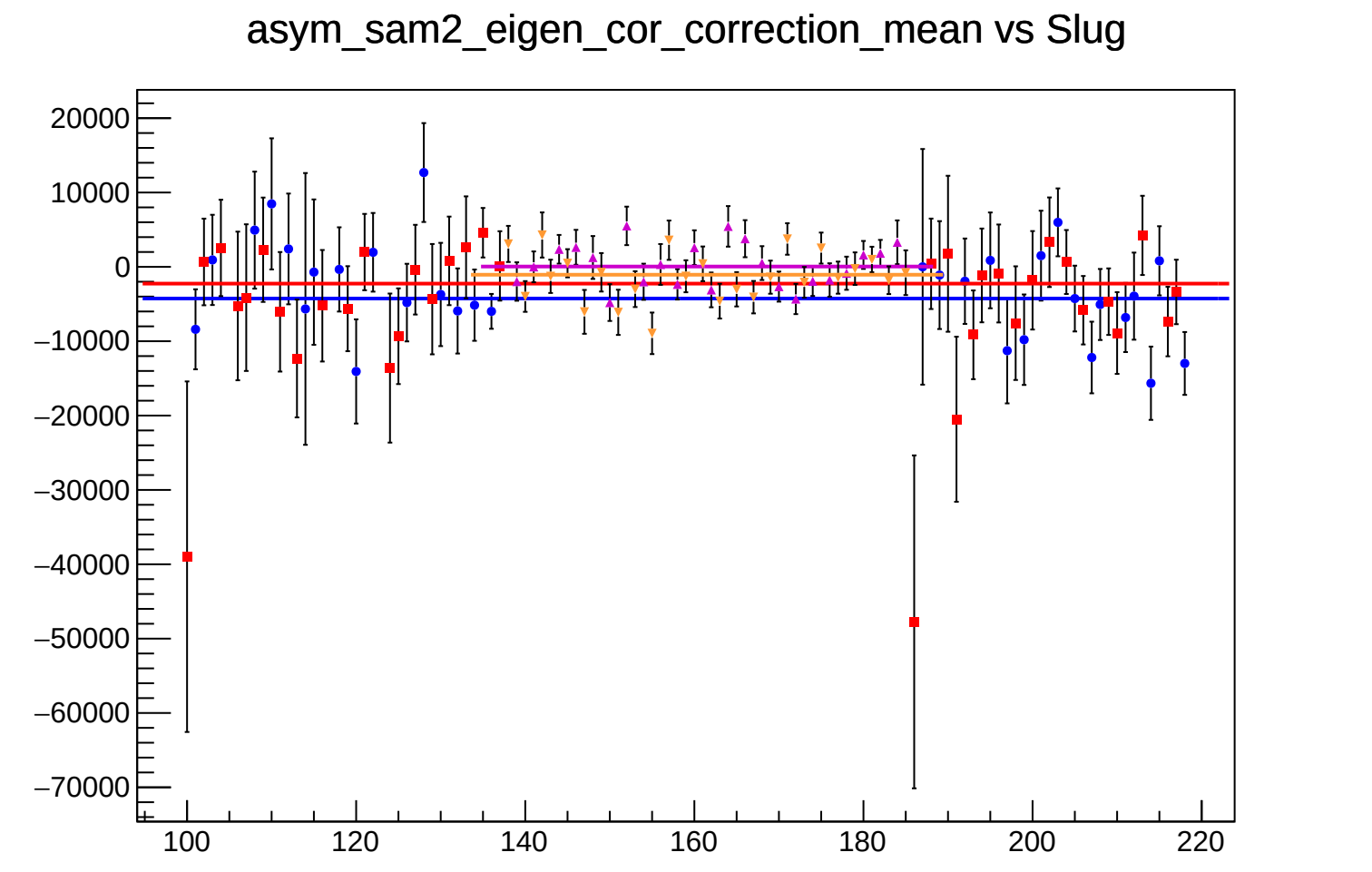
Right Out: 309.531+/-0.049 χ^2/NDF: 1642893.4/35

Left In: 258.843+/-0.043 χ^2/NDF:244953.3/22

+ sign 276.592+/-0.031 χ^2/NDF: 1714101.9/56

All: 278.587+/-0.023 χ^2/NDF: 4211351.5/115

- sign 280.697+/-0.032 χ^2/NDF: 2488988.8/58



Right In: -4259.105+/-952.545 χ^2/NDF: 39.4/31

Left Out: -1059.232+/-454.653 χ^2/NDF:41.5/24

Right Out: -2253.513+/-1006.401 χ^2/NDF: 30.2/35

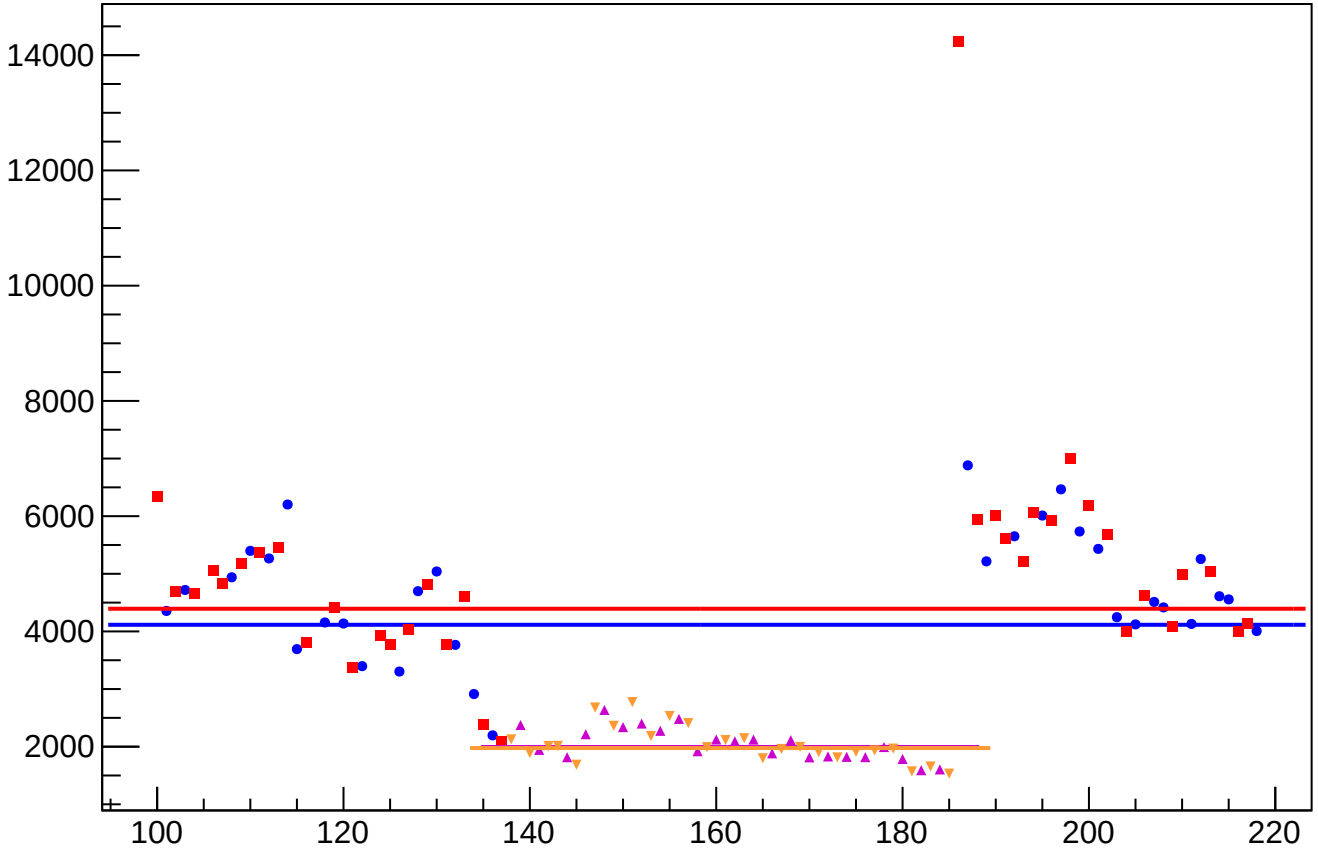
Left In: 44.348+/-470.700 χ^2/NDF:34.2/22

+ sign -1652.960+/-410.311 χ^2/NDF: 90.1/56

All: -1035.178+/-295.648 χ^2/NDF: 163.4/115

- sign -368.088+/-426.371 χ^2/NDF: 68.6/58

asym_sam2_eigen_cor_correction_rms vs Slug



Right In: 4115.205+/-0.674 χ^2/NDF: 2793749.2/31

Left Out: 1975.967+/-0.321 χ^2/NDF:763328.1/24

Right Out: 4393.707+/-0.712 χ^2/NDF: 2944742.2/35

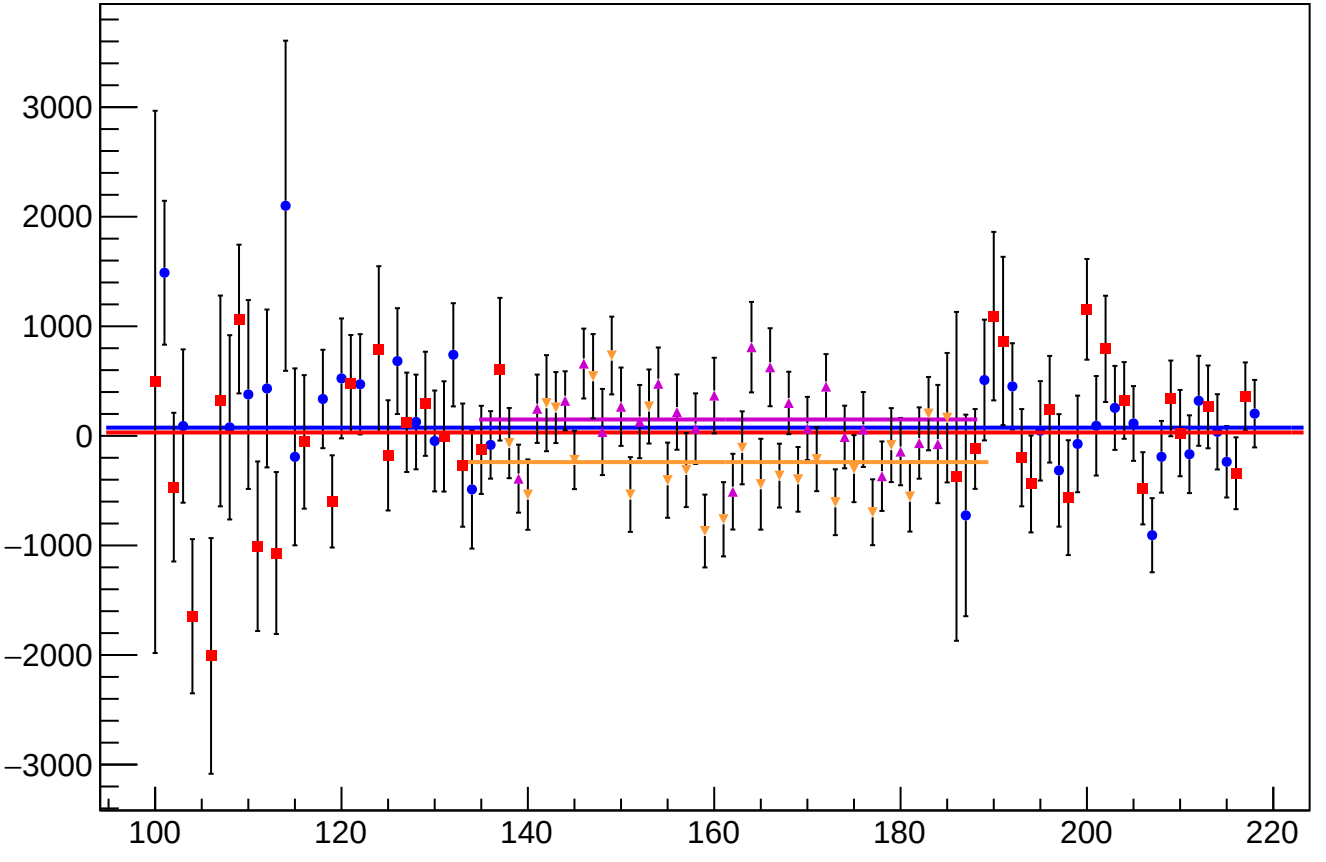
Left In: 1994.760+/-0.333 χ^2/NDF:599996.2/22

+ sign 2372.897+/-0.290 χ^2/NDF: 11772744.6/56

All: 2398.112+/-0.209 χ^2/NDF: 24657456.6/1

- sign 2425.340+/-0.301 χ^2/NDF: 12869002.9/58

dit_asym_sam2_mean vs Slug



Right In: 75.177+/-78.503 χ^2/NDF: 27.9/31

Left Out: -239.549+/-66.167 χ^2/NDF:34.0/24

Right Out: 31.025+/-80.772 χ^2/NDF: 43.6/35

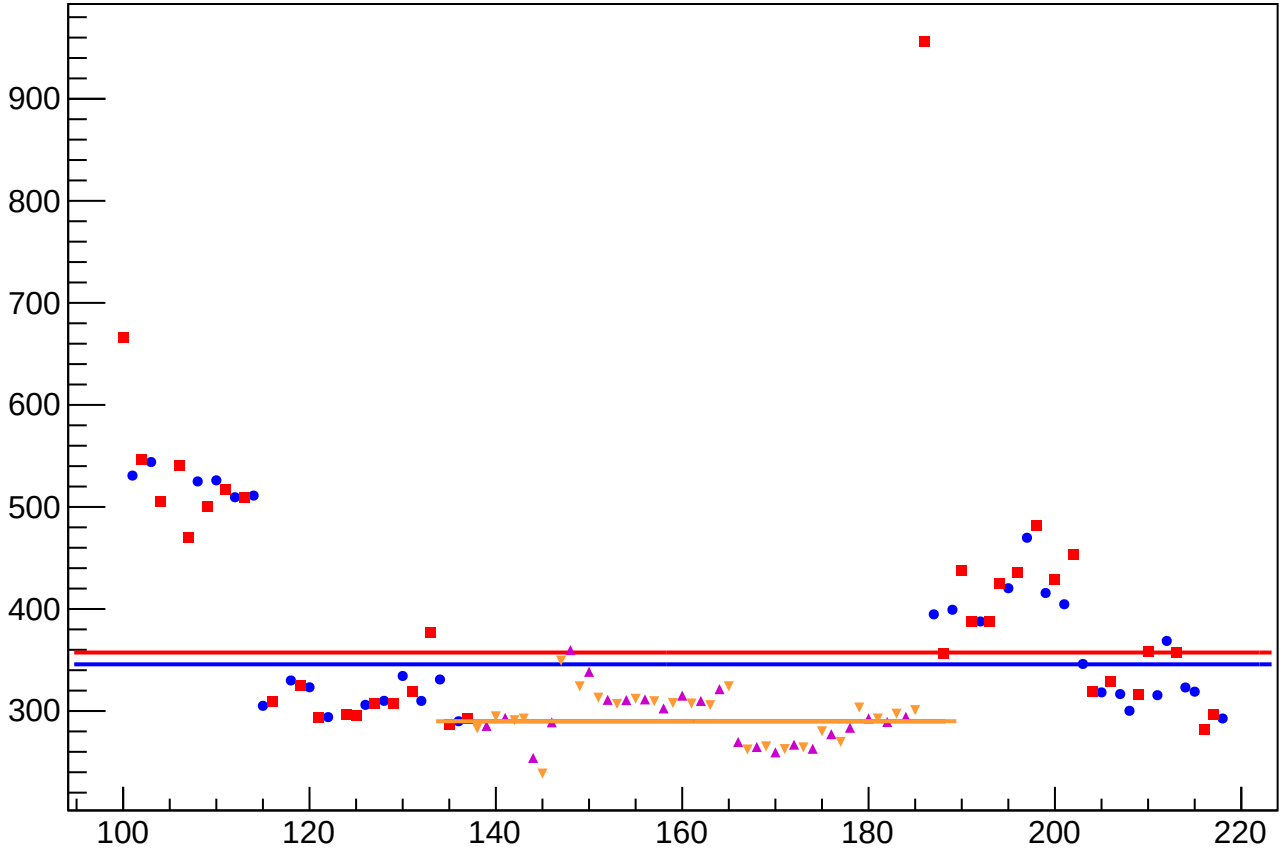
Left In: 149.516+/-68.160 χ^2/NDF:21.7/22

\+ sign -108.829+/-50.593 χ^2/NDF: 71.3/56

All: -7.347+/-36.293 χ^2/NDF: 146.2/115

\- sign 100.234+/-52.091 χ^2/NDF: 66.6/58

dit_asym_sam2_rms vs Slug



Right In: 345.763+/-0.056 χ^2/NDF: 1239699.0/31

Left Out: 290.023+/-0.047 χ^2/NDF:280647.1/24

Right Out: 357.334+/-0.057 χ^2/NDF: 1808626.0/35

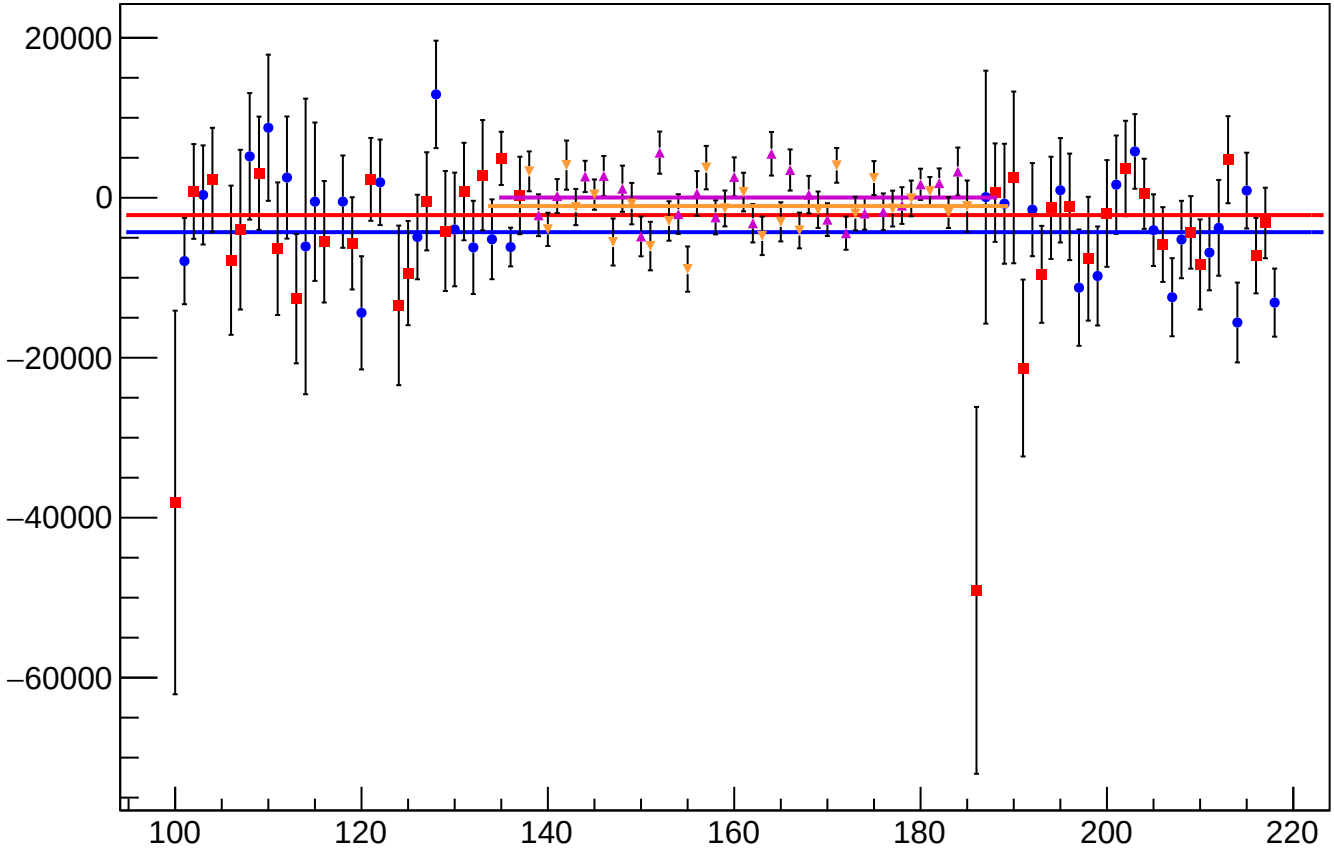
Left In: 289.941+/-0.048 χ^2/NDF:269669.5/22

+ sign 313.174+/-0.036 χ^2/NDF: 2109854.4/56

All: 315.503+/-0.026 χ^2/NDF: 5010101.4/115

- sign 317.971+/-0.037 χ^2/NDF: 2891519.9/58

asym_sam2_dit_correction_mean vs Slug



Right In: -4299.824+/-970.663 χ^2/NDF: 38.8/31

Left Out: -1036.592+/-465.324 χ^2/NDF:40.3/24

Right Out: -2166.305+/-1018.897 χ^2/NDF: 31.2/35

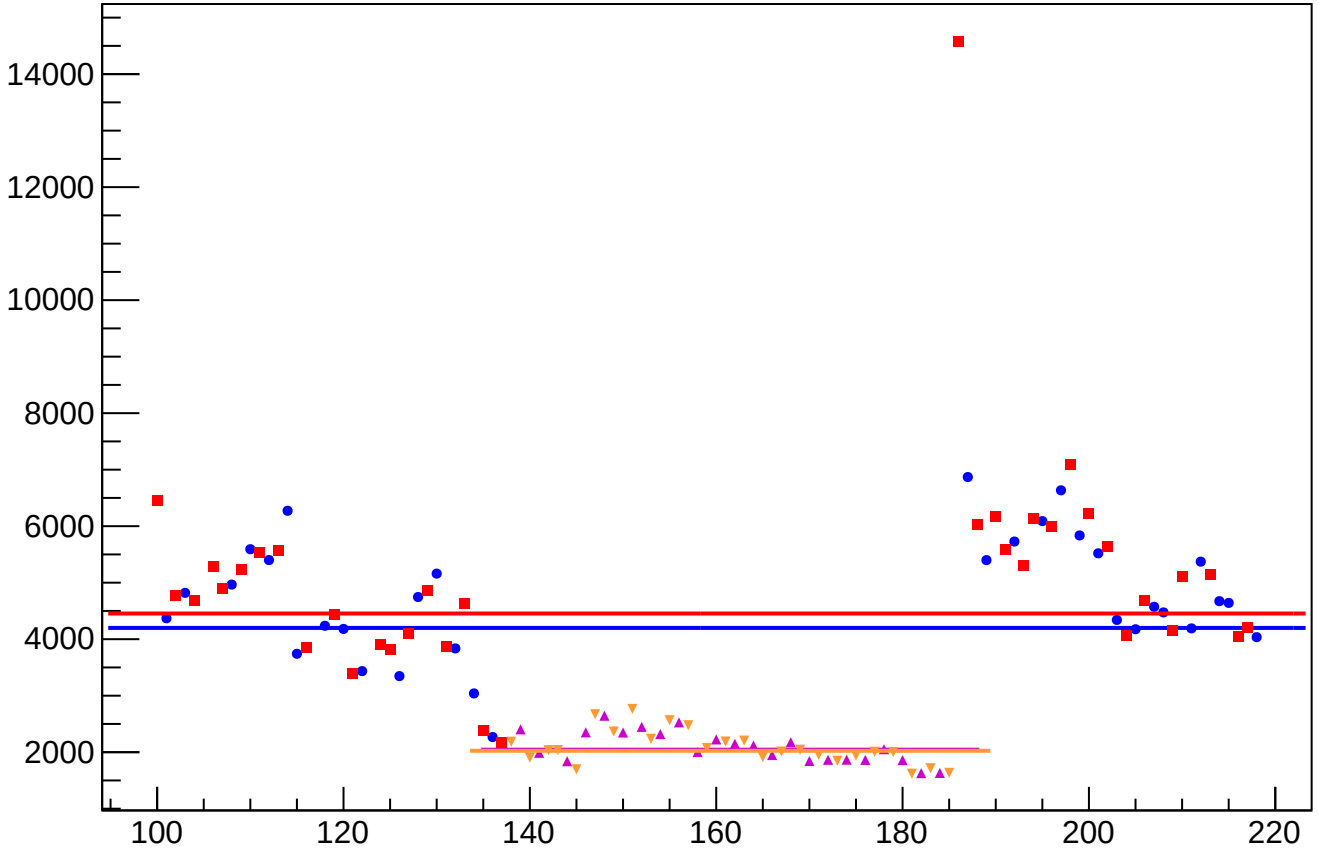
Left In: 30.393+/-482.280 χ^2/NDF:34.1/22

+ sign -1646.384+/-419.600 χ^2/NDF: 88.3/56

All: -1033.333+/-302.305 χ^2/NDF: 161.8/115

- sign -371.685+/-435.914 χ^2/NDF: 69.1/58

asym_sam2_dit_correction_rms vs Slug



Right In: 4199.373+/-0.686 χ^2/NDF: 2707066.9/31

Left Out: 2025.085+/-0.329 χ^2/NDF:700821.6/24

Right Out: 4454.395+/-0.720 χ^2/NDF: 2949588.5/35

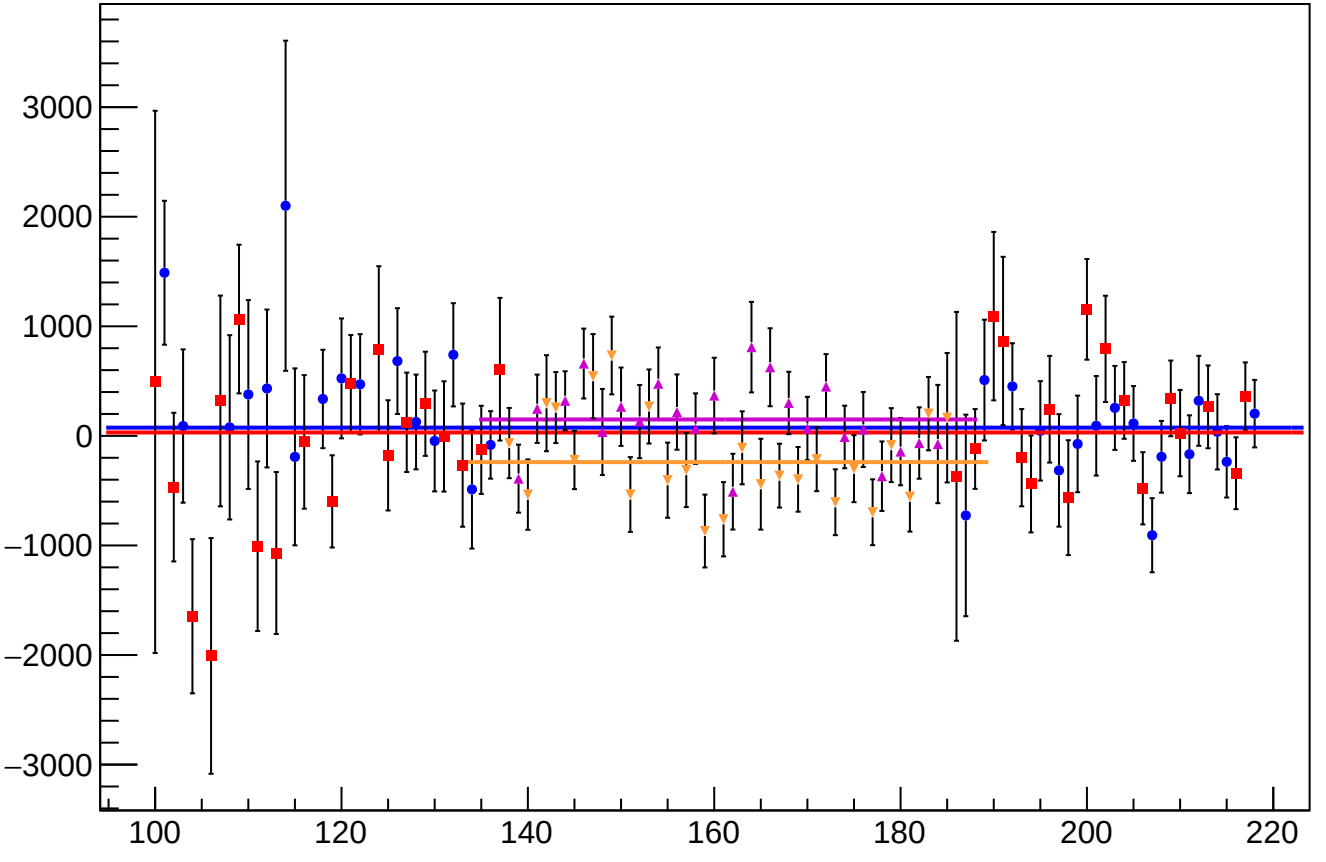
Left In: 2044.523+/-0.341 χ^2/NDF:584918.7/22

+ sign 2431.389+/-0.297 χ^2/NDF: 11567845.2/56

All: 2457.471+/-0.214 χ^2/NDF: 24258696.4/1

- sign 2485.620+/-0.308 χ^2/NDF: 12674784.0/58

eigen_dit_asym_sam2_mean vs Slug



Right In: 75.185+/-78.503 χ^2/NDF: 27.9/31

Left Out: -239.552+/-66.167 χ^2/NDF:34.0/24

Right Out: 31.027+/-80.772 χ^2/NDF: 43.6/35

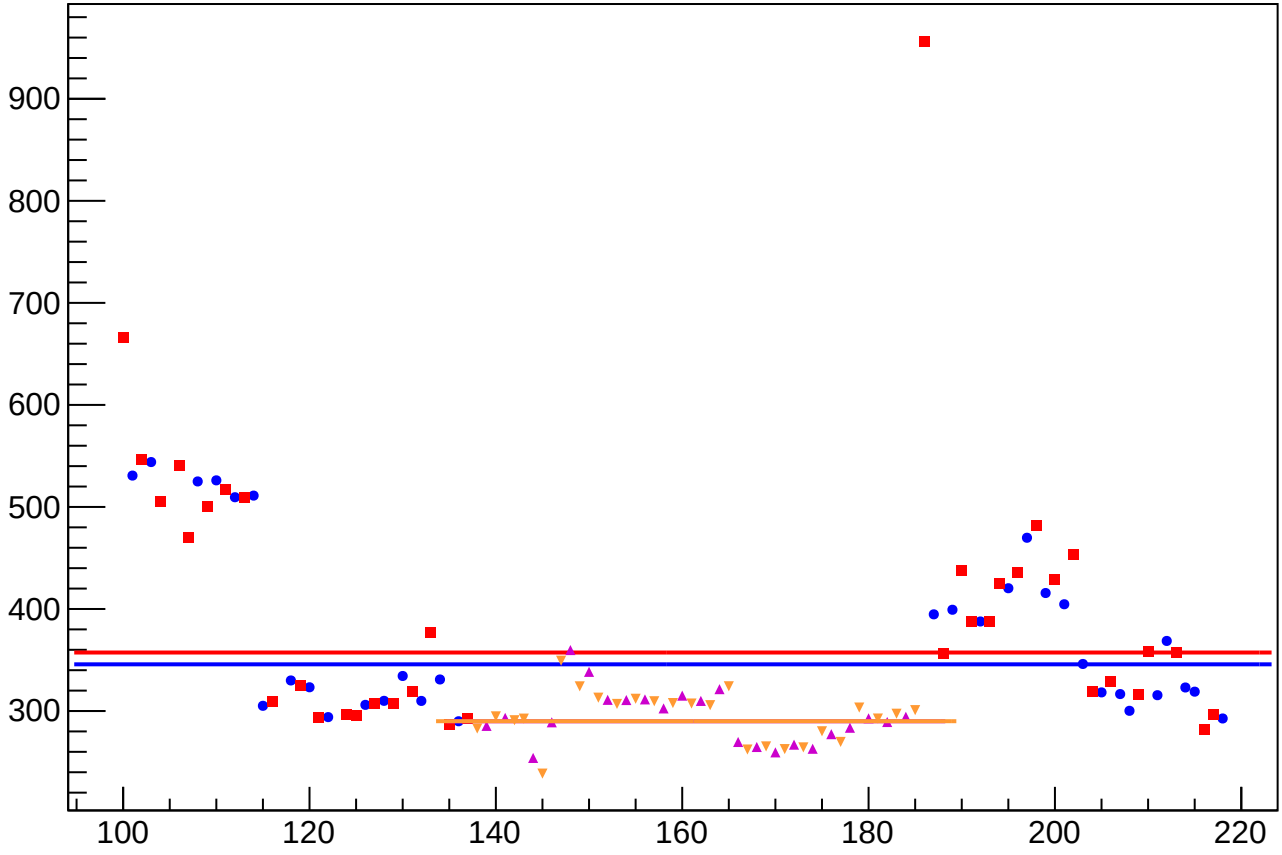
Left In: 149.517+/-68.160 χ^2/NDF:21.7/22

\+ sign -108.827+/-50.593 χ^2/NDF: 71.3/56

All: -7.345+/-36.293 χ^2/NDF: 146.2/115

\- sign 100.235+/-52.091 χ^2/NDF: 66.6/58

eigen_dit_asym_sam2_rms vs Slug



Right In: 345.762+/-0.056 χ^2/NDF: 1239694.1/31

Left Out: 290.023+/-0.047 χ^2/NDF:280652.8/24

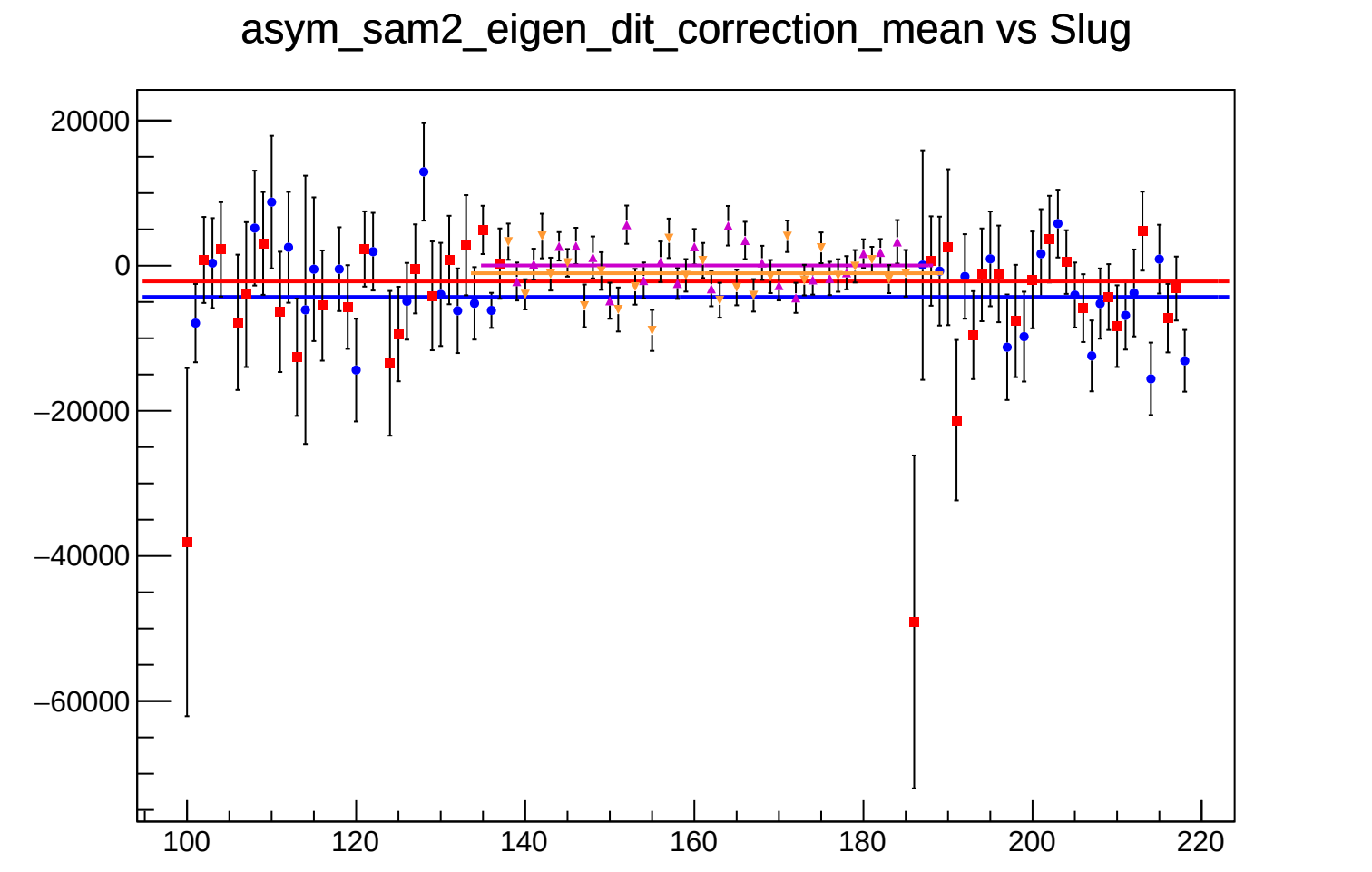
Right Out: 357.334+/-0.057 χ^2/NDF: 1808613.6/35

Left In: 289.941+/-0.048 χ^2/NDF:269671.9/22

+ sign 313.174+/-0.036 χ^2/NDF: 2109840.3/56

All: 315.503+/-0.026 χ^2/NDF: 5010071.9/115

- sign 317.971+/-0.037 χ^2/NDF: 2891504.2/58



Right In: -4299.819+/-970.663 χ^2/NDF: 38.8/31

Left Out: -1036.591+/-465.324 χ^2/NDF:40.3/24

Right Out: -2166.302+/-1018.897 χ^2/NDF: 31.2/35

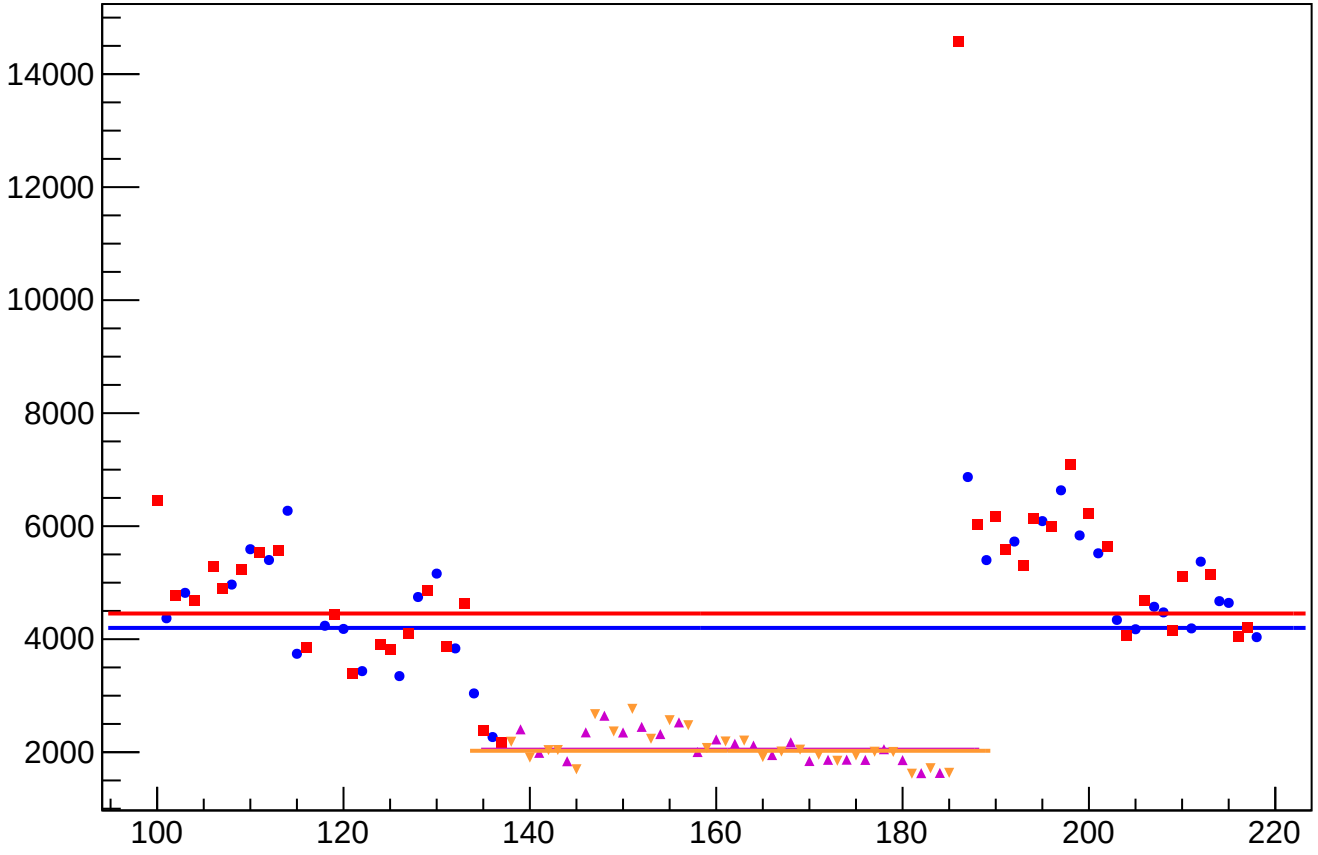
Left In: 30.392+/-482.280 χ^2/NDF:34.1/22

+ sign -1646.384+/-419.600 χ^2/NDF: 88.3/56

All: -1033.333+/-302.305 χ^2/NDF: 161.8/115

- sign -371.686+/-435.914 χ^2/NDF: 69.1/58

asym_sam2_eigen_dit_correction_rms vs Slug



Right In: 4199.370+/-0.686 χ^2/NDF: 2707059.8/31

Left Out: 2025.085+/-0.329 χ^2/NDF:700825.4/24

Right Out: 4454.393+/-0.720 χ^2/NDF: 2949583.2/35

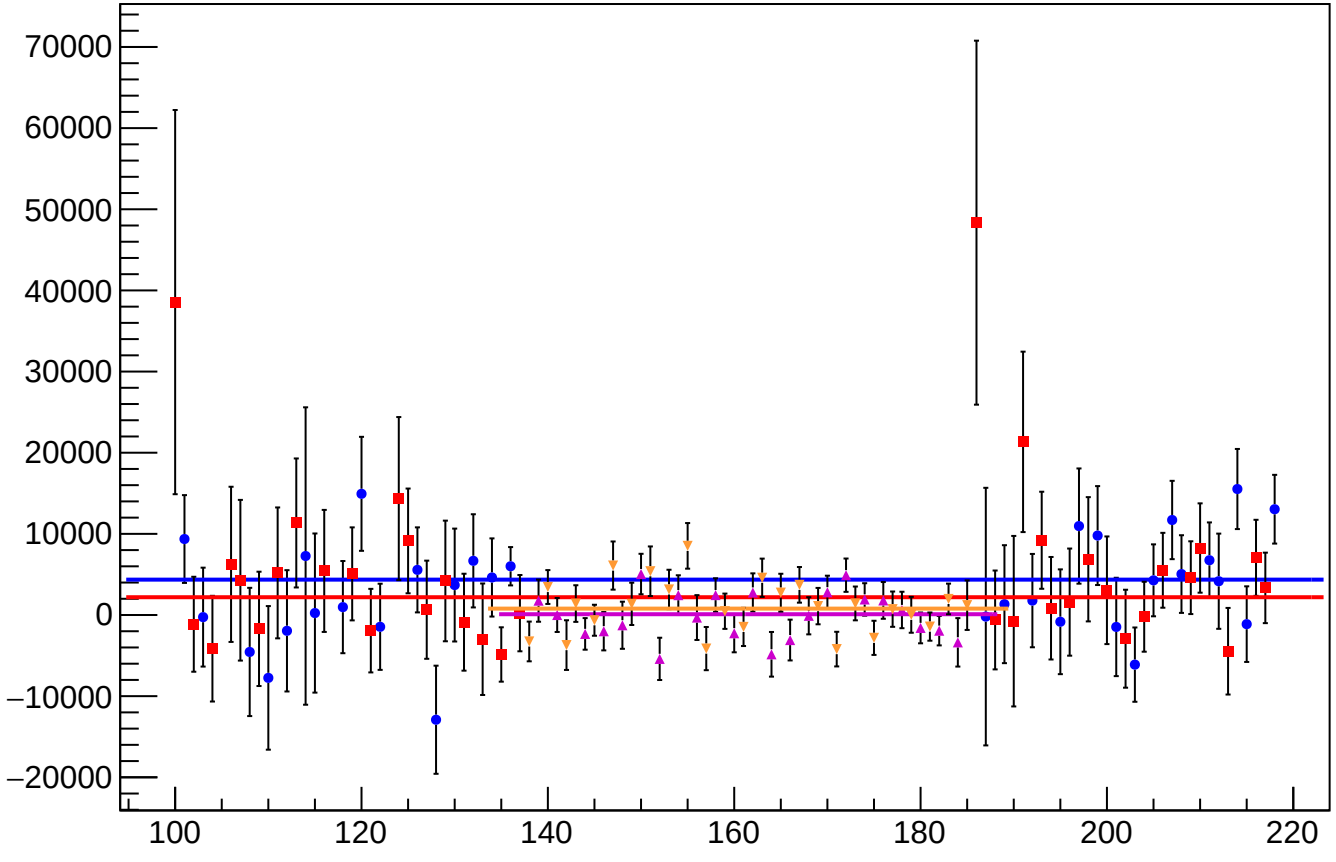
Left In: 2044.522+/-0.341 χ^2/NDF:584922.7/22

+ sign 2431.390+/-0.297 χ^2/NDF: 11567830.3/56

All: 2457.471+/-0.214 χ^2/NDF: 24258675.0/1

- sign 2485.620+/-0.308 χ^2/NDF: 12674777.8/58

asym_sam2_mean vs Slug



Right In: 4358.819+/-955.774 χ^2/NDF: 39.0/31

Left Out: 788.321+/-458.726 χ^2/NDF:41.3/24

Right Out: 2191.650+/-1008.888 χ^2/NDF: 30.0/35

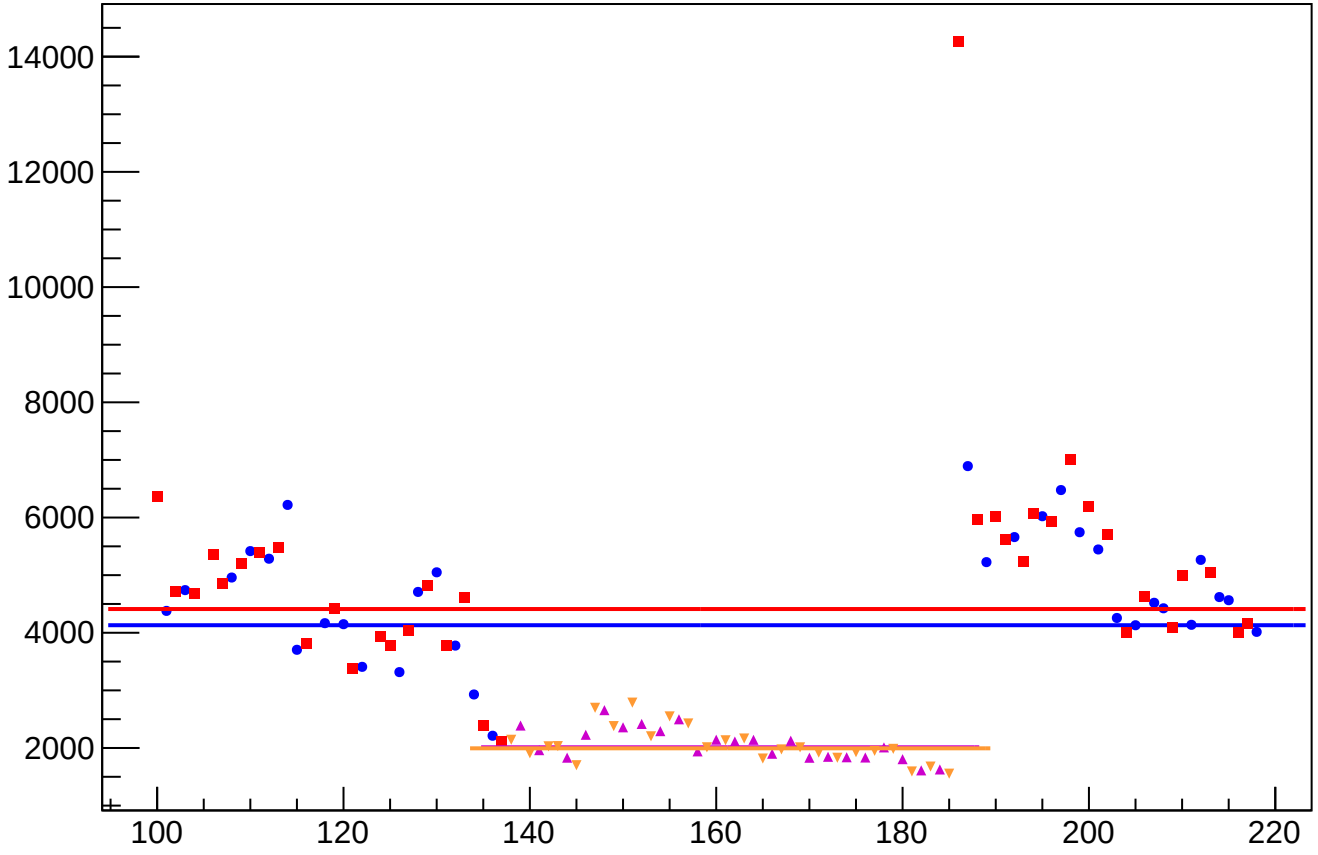
Left In: 96.730+/-474.825 χ^2/NDF:32.8/22

+ sign 1456.810+/-413.560 χ^2/NDF: 91.6/56

All: 985.379+/-297.947 χ^2/NDF: 160.7/115

- sign 476.617+/-429.622 χ^2/NDF: 66.3/58

asym_sam2_rms vs Slug



Right In: 4131.061+/-0.676 χ^2/NDF: 2761147.7/31

Left Out: 1994.246+/-0.324 χ^2/NDF:746498.4/24

Right Out: 4411.980+/-0.713 χ^2/NDF: 2932890.6/35

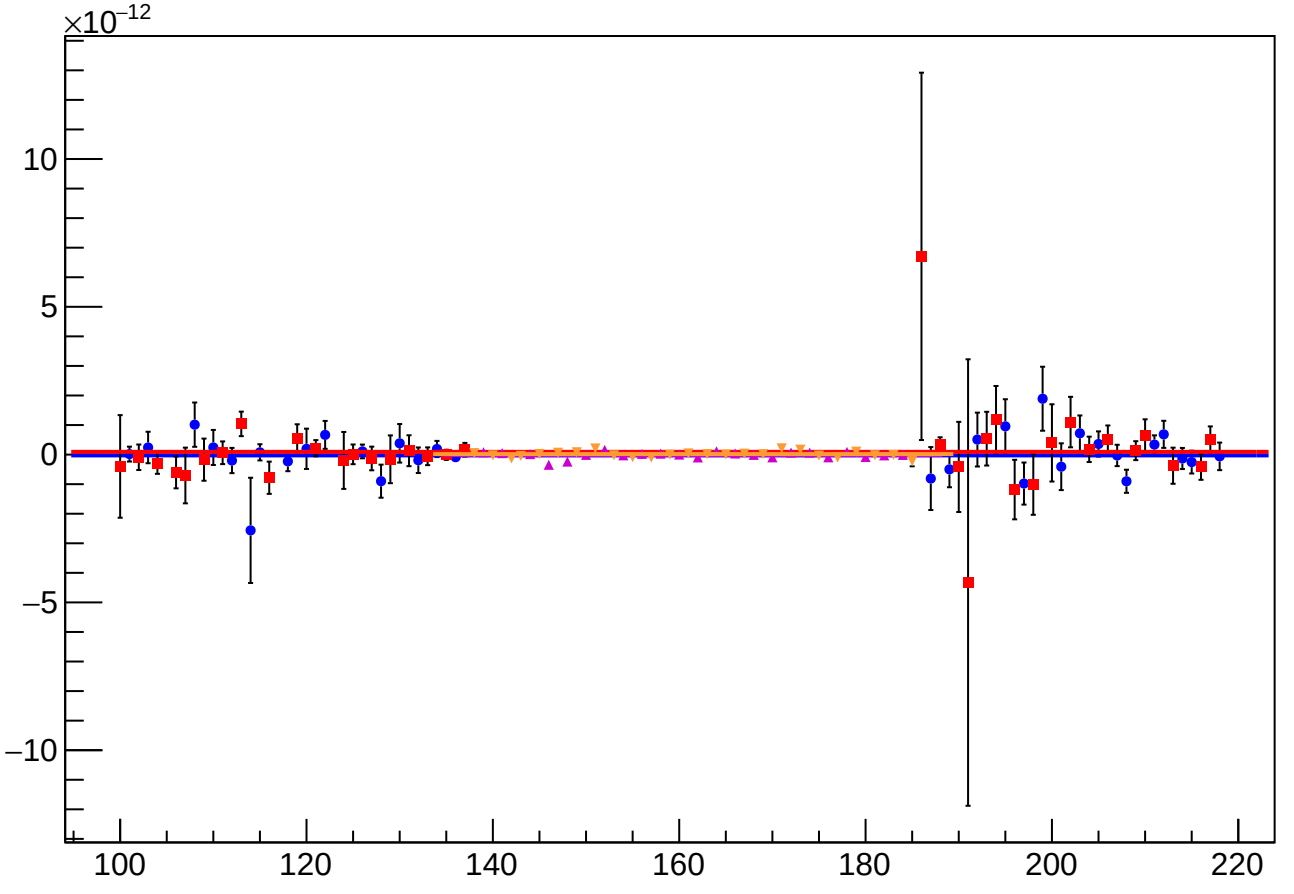
Left In: 2012.692+/-0.336 χ^2/NDF:587260.9/22

+ sign 2394.312+/-0.292 χ^2/NDF: 11632642.7/56

All: 2420.024+/-0.211 χ^2/NDF: 24428930.6/1

- sign 2447.772+/-0.304 χ^2/NDF: 12780214.6/58

asym_sam2_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 31.4/31

Left Out: 0.000+/-0.000 χ^2/NDF:21.2/24

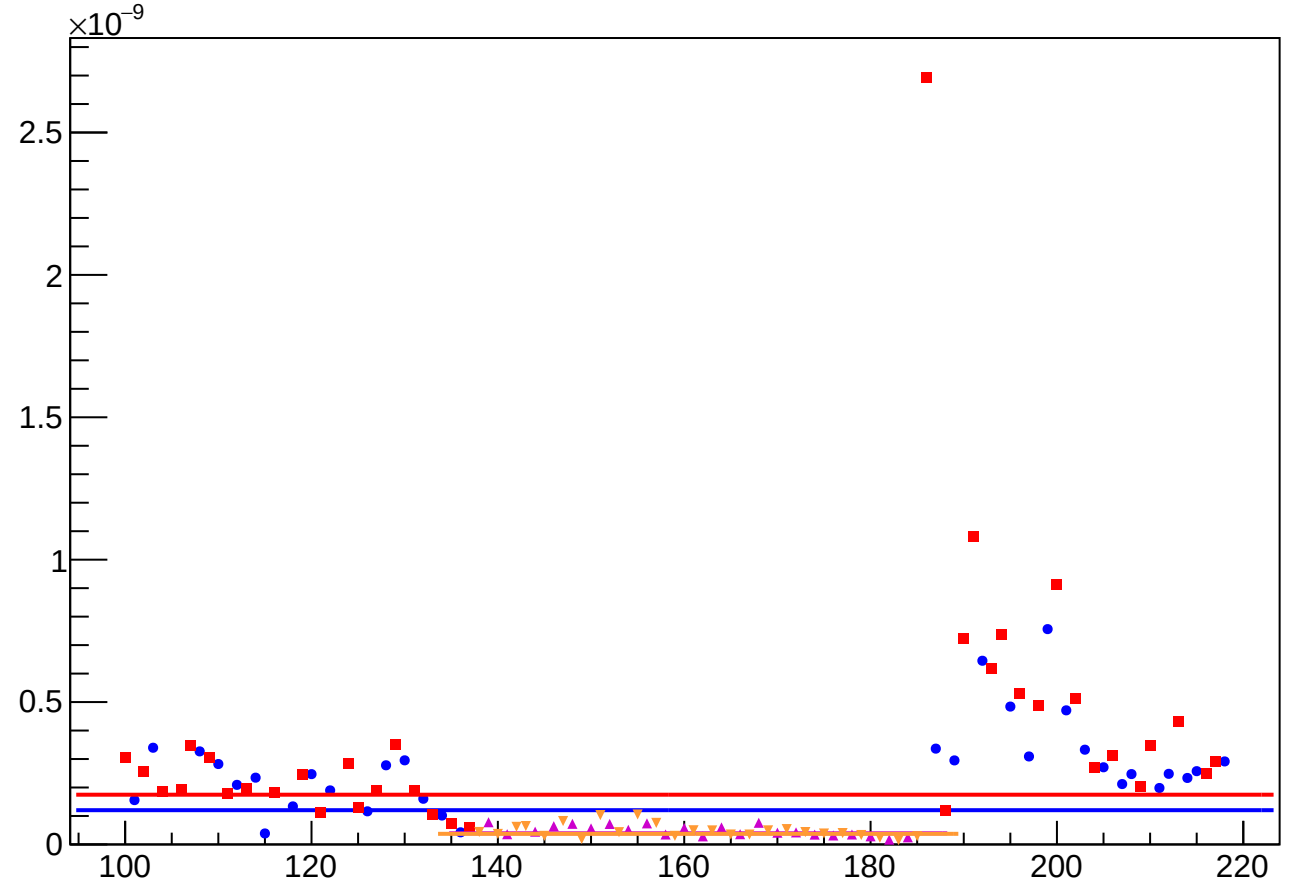
Right Out: 0.000+/-0.000 χ^2/NDF: 27.0/35

Left In: -0.000+/-0.000 χ^2/NDF:30.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 53.2/56

All: 0.000+/-0.000 χ^2/NDF: 114.3/115

- sign -0.000+/-0.000 χ^2/NDF: 59.9/58



Right In: 0.000+/-0.000 χ^2/NDF: 7749999.8/31

Left Out: 0.000+/-0.000 χ^2/NDF:2323330.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5958073.1/35

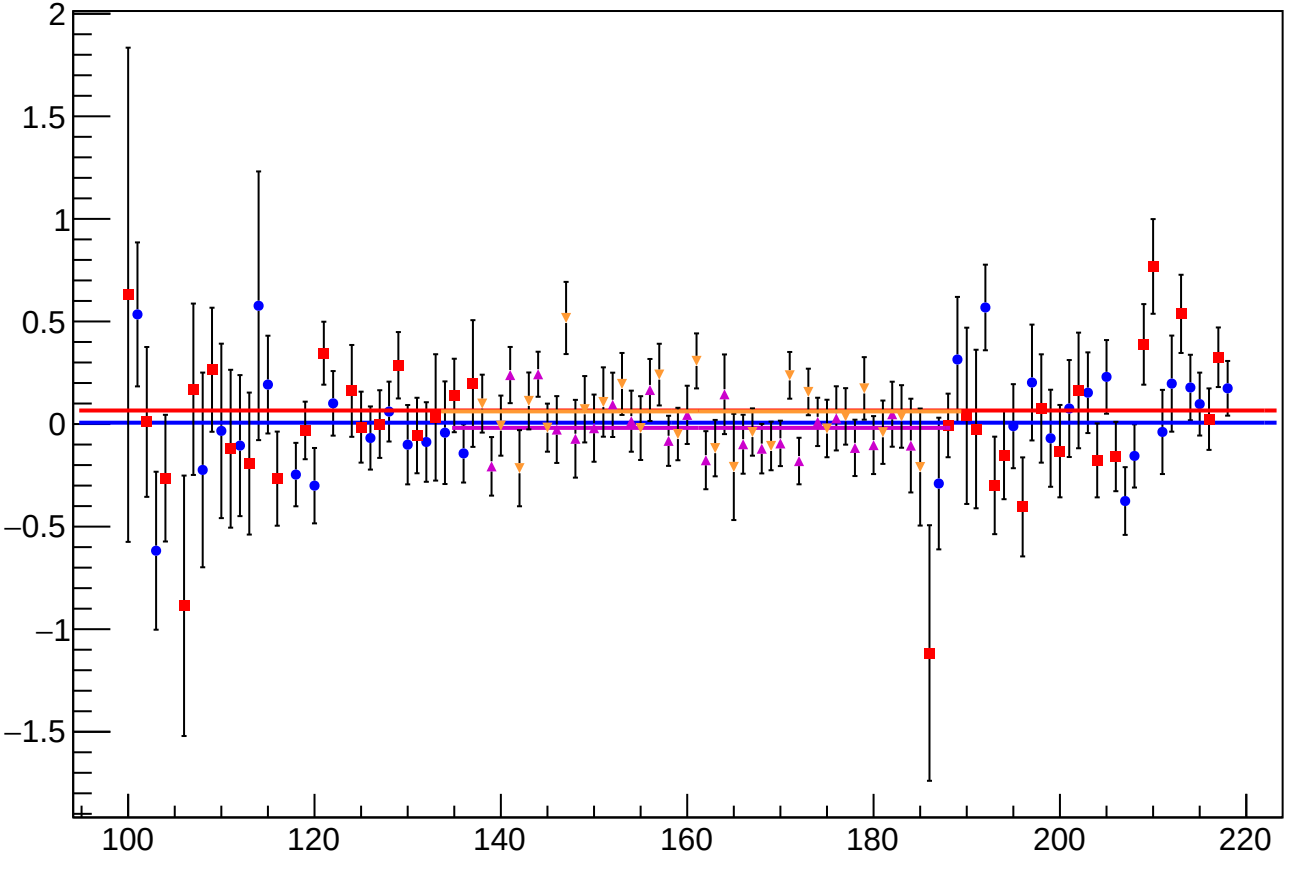
Left In: 0.000+/-0.000 χ^2/NDF:1921481.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 14407517.7/56

All: 0.000+/-0.000 χ^2/NDF: 29292671.8/115

- sign 0.000+/-0.000 χ^2/NDF: 14856464.9/58

asym_sam2_dit_vs_cor_diff_mean vs Slug



Right In: 0.007+/-0.035 χ^2/NDF: 36.6/31

Left Out: 0.062+/-0.029 χ^2/NDF:27.4/24

Right Out: 0.066+/-0.036 χ^2/NDF: 50.9/35

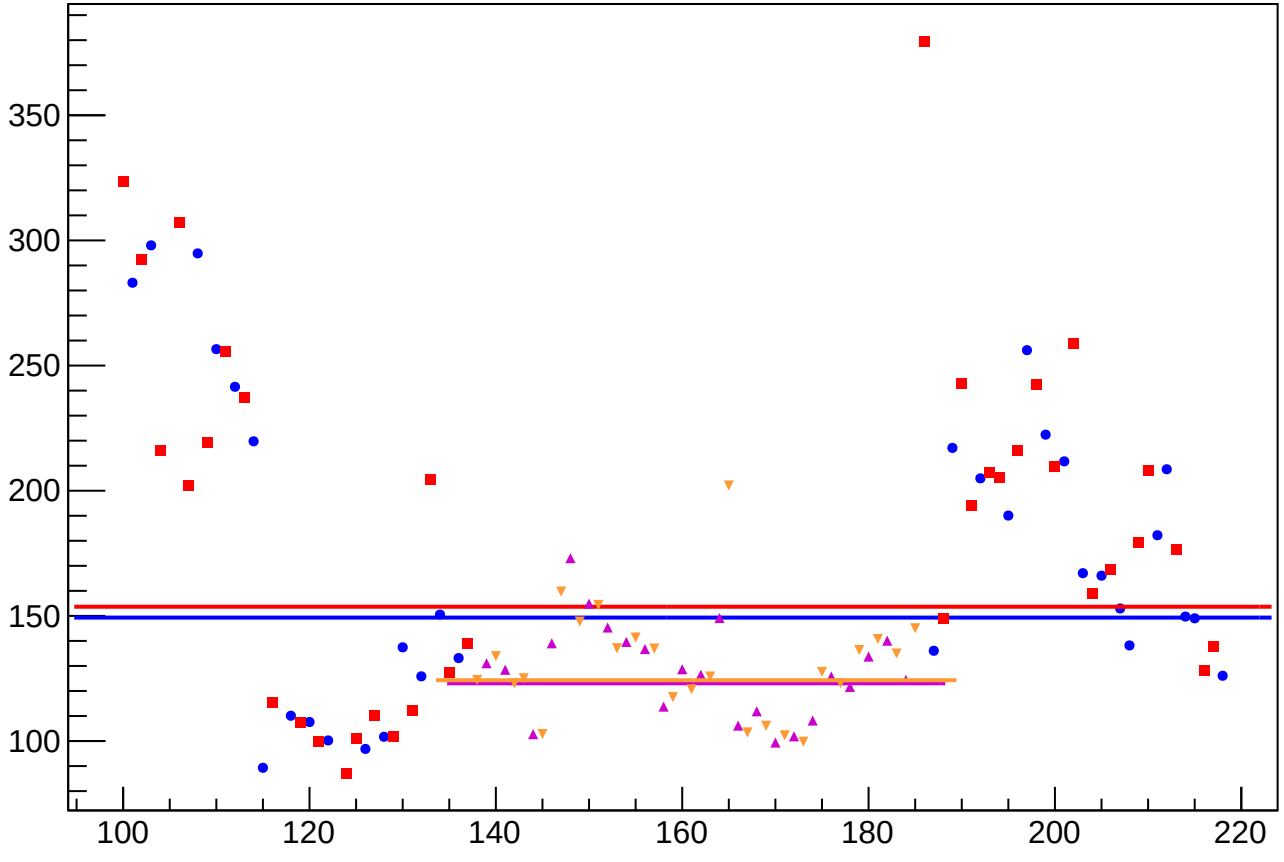
Left In: -0.019+/-0.029 χ^2/NDF:20.3/22

+ sign 0.040+/-0.022 χ^2/NDF: 65.5/56

All: 0.028+/-0.016 χ^2/NDF: 140.7/115

- sign 0.015+/-0.023 χ^2/NDF: 74.5/58

asym_sam2_dit_vs_cor_diff_rms vs Slug



Right In: 149.322+/-0.025 χ^2/NDF: 3357895.0/31

Left Out: 124.292+/-0.020 χ^2/NDF:840983.3/24

Right Out: 153.661+/-0.026 χ^2/NDF: 3956692.6/35

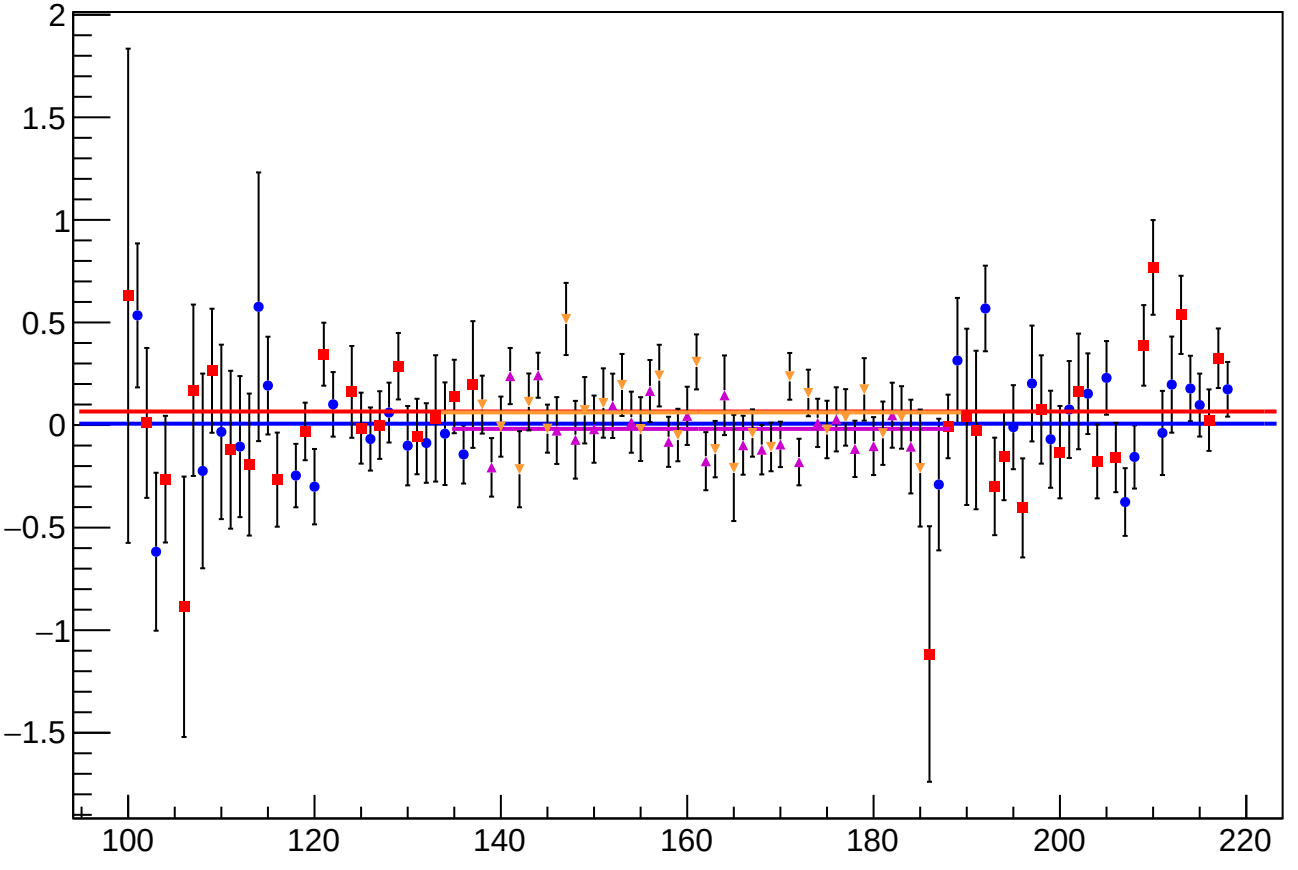
Left In: 123.062+/-0.021 χ^2/NDF:718821.1/22

+ sign 134.260+/-0.016 χ^2/NDF: 4805458.6/56

All: 134.721+/-0.011 χ^2/NDF: 10346523.0/11

- sign 135.204+/-0.016 χ^2/NDF: 5539305.7/58

asym_sam2_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.007+/-0.035 χ^2/NDF: 36.6/31

Left Out: 0.062+/-0.029 χ^2/NDF:27.4/24

Right Out: 0.066+/-0.036 χ^2/NDF: 50.9/35

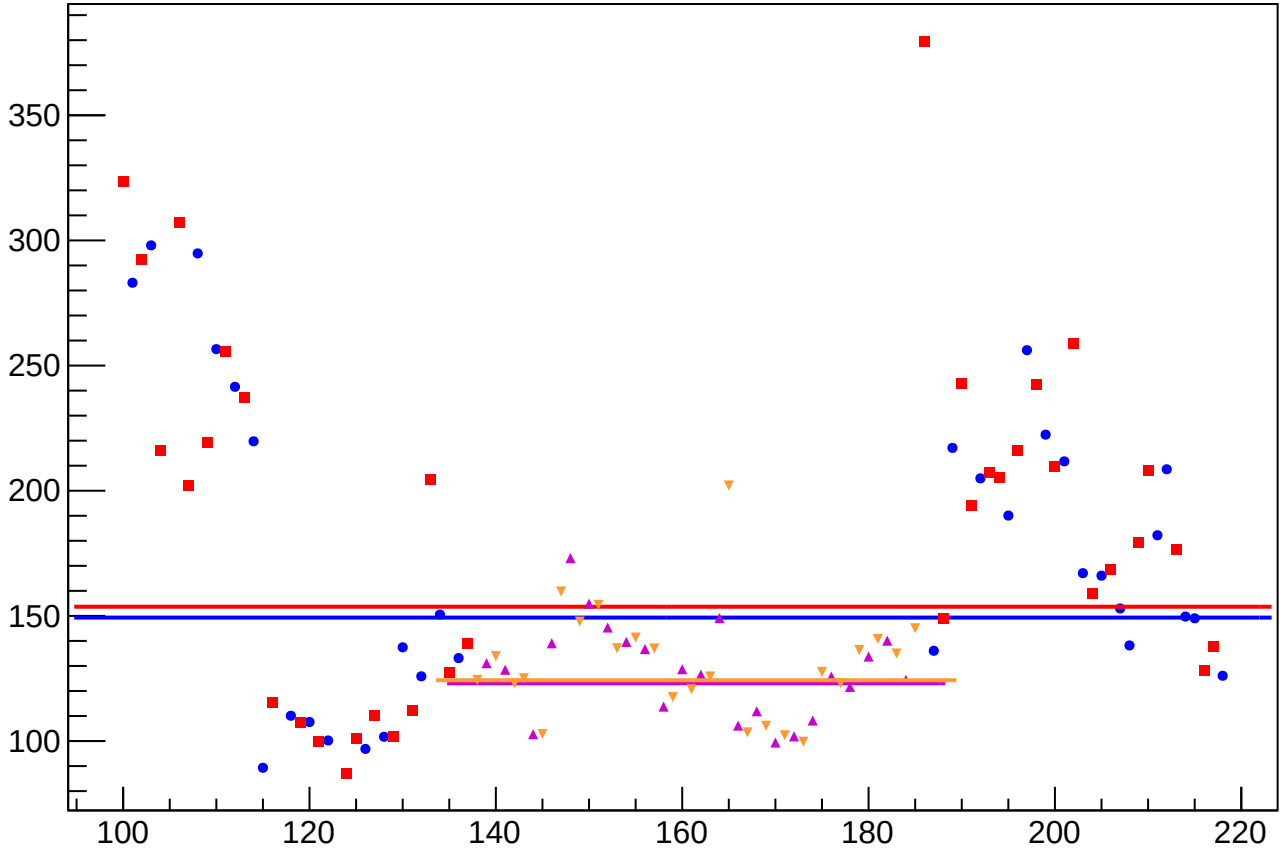
Left In: -0.019+/-0.029 χ^2/NDF:20.3/22

+ sign 0.040+/-0.022 χ^2/NDF: 65.5/56

All: 0.028+/-0.016 χ^2/NDF: 140.7/115

- sign 0.015+/-0.023 χ^2/NDF: 74.5/58

asym_sam2_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 149.322+/-0.025 χ^2/NDF: 3357895.0/31

Left Out: 124.292+/-0.020 χ^2/NDF:840983.3/24

Right Out: 153.661+/-0.026 χ^2/NDF: 3956692.6/35

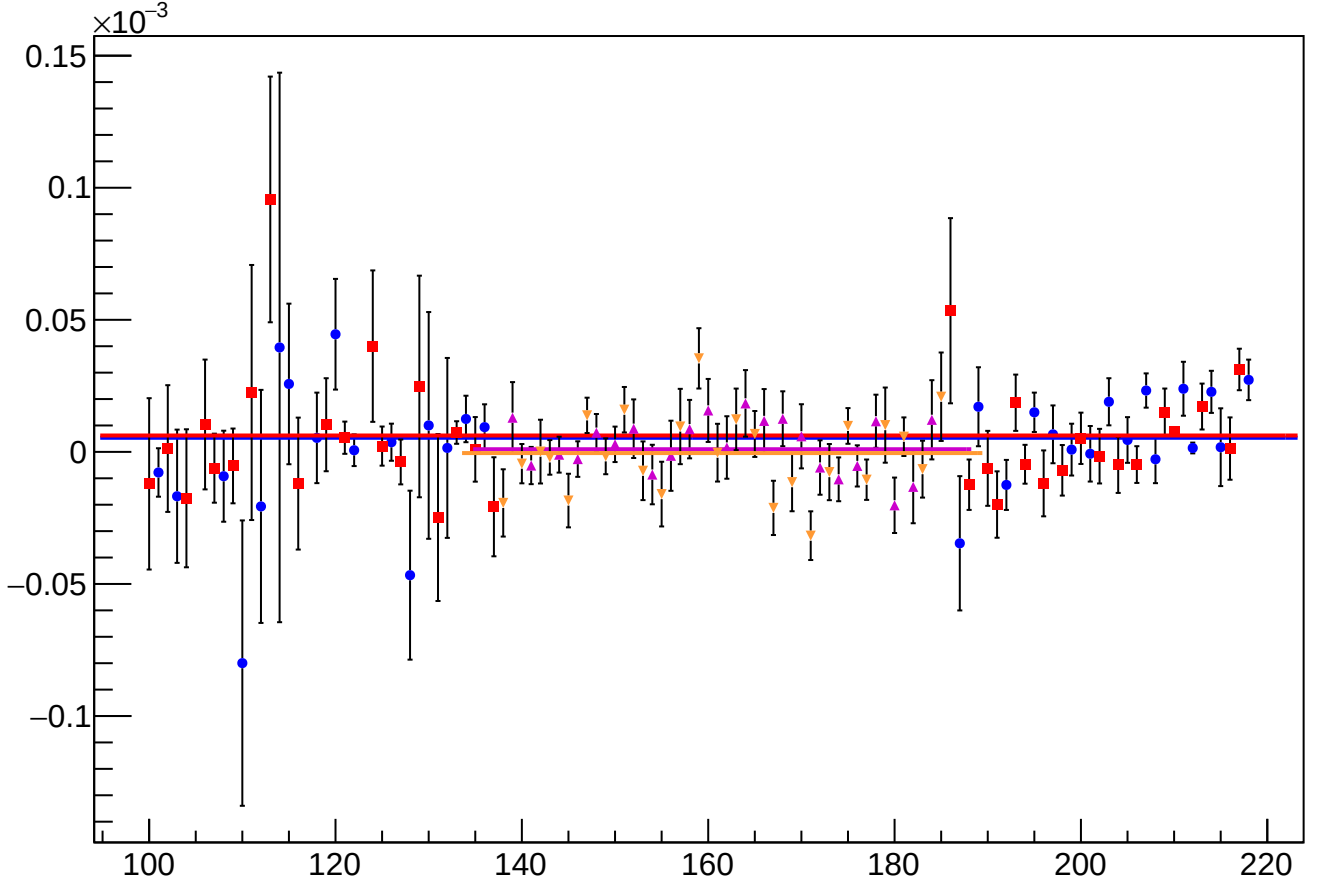
Left In: 123.062+/-0.021 χ^2/NDF:718821.1/22

+ sign 134.260+/-0.016 χ^2/NDF: 4805458.6/56

All: 134.721+/-0.011 χ^2/NDF: 10346523.0/11

- sign 135.204+/-0.016 χ^2/NDF: 5539305.7/58

asym_sam2_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 54.1/31

Left Out: -0.000+/-0.000 χ^2/NDF:52.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 50.7/35

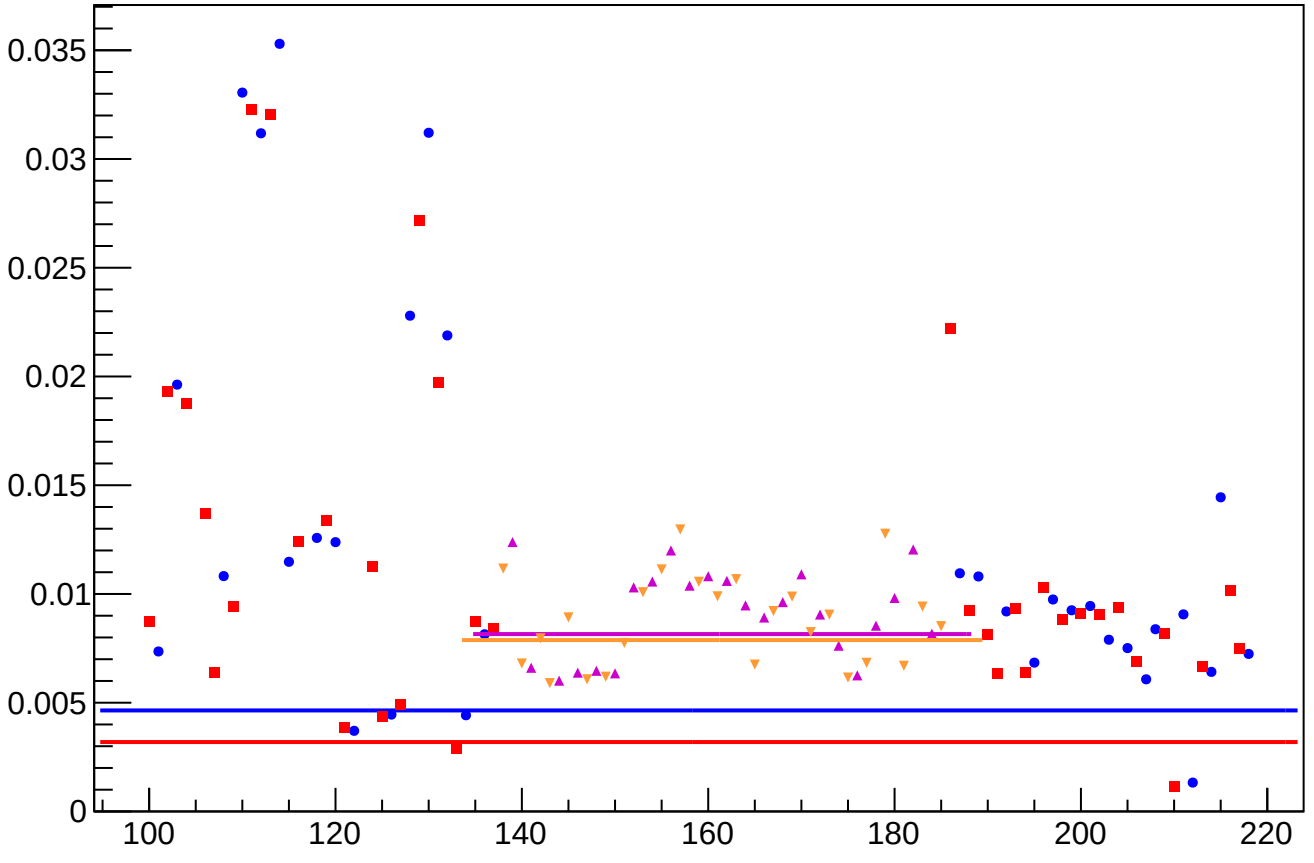
Left In: 0.000+/-0.000 χ^2/NDF:20.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 112.8/56

All: 0.000+/-0.000 χ^2/NDF: 190.3/115

- sign 0.000+/-0.000 χ^2/NDF: 76.0/58

asym_sam2_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF: 15874742.9/31

Left Out: 0.008+/-0.000 χ^2/NDF:2076596.0/24

Right Out: 0.003+/-0.000 χ^2/NDF: 20795293.0/35

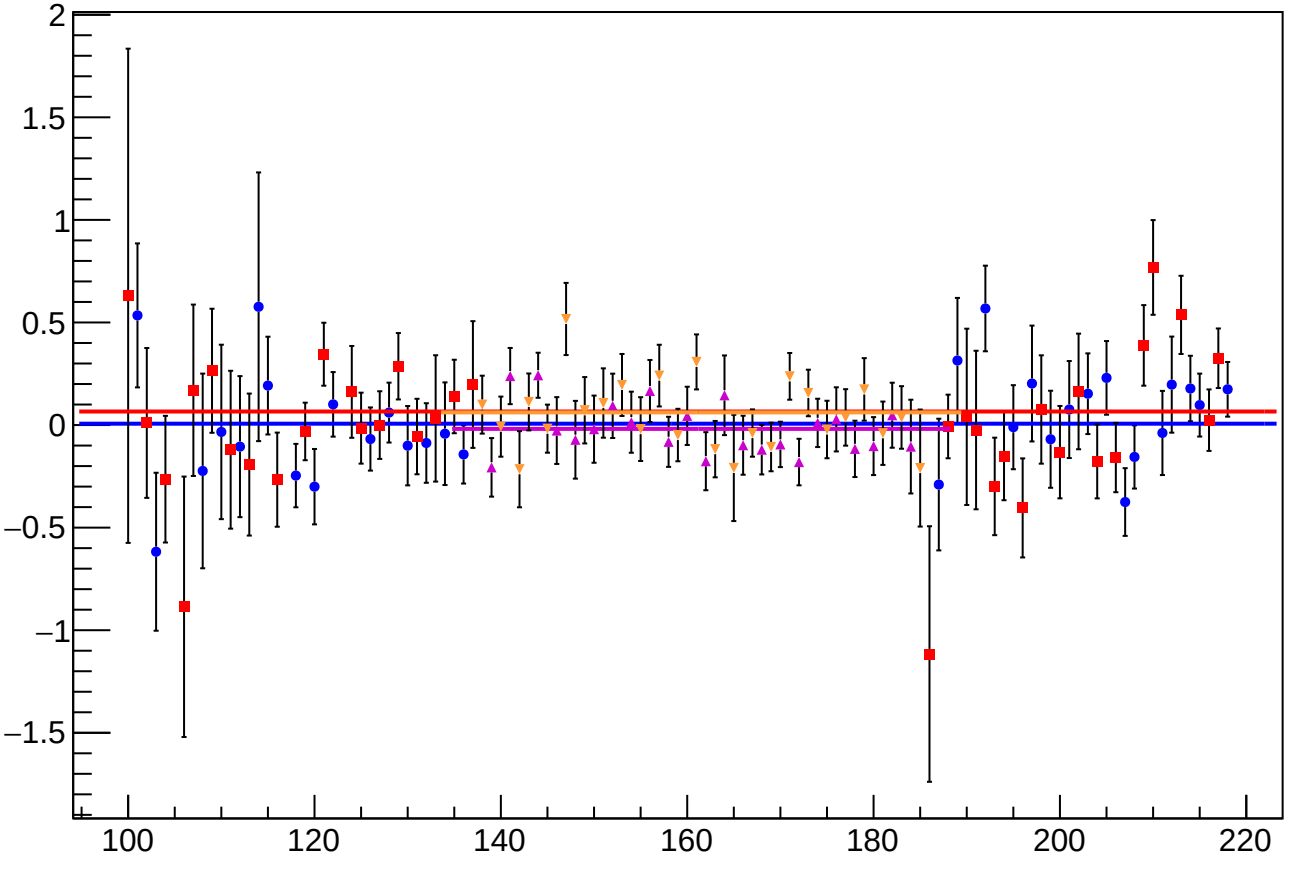
Left In: 0.008+/-0.000 χ^2/NDF:2017677.5/22

+ sign 0.006+/-0.000 χ^2/NDF: 21841420.1/56

All: 0.005+/-0.000 χ^2/NDF: 56557775.3/115

- sign 0.004+/-0.000 χ^2/NDF: 32541800.6/58

asym_sam2_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.007+/-0.035 χ^2/NDF: 36.6/31

Left Out: 0.062+/-0.029 χ^2/NDF:27.4/24

Right Out: 0.066+/-0.036 χ^2/NDF: 50.9/35

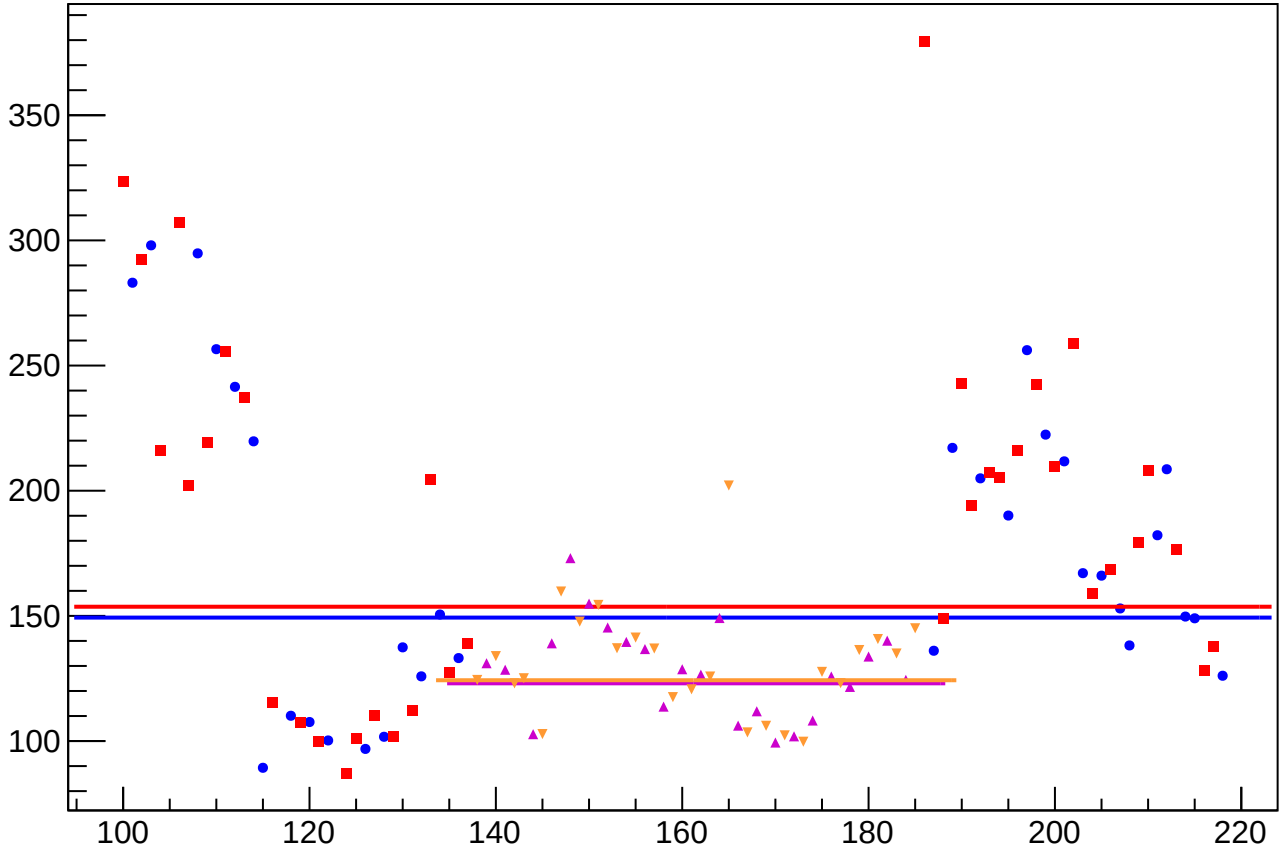
Left In: -0.019+/-0.029 χ^2/NDF:20.3/22

+ sign 0.040+/-0.022 χ^2/NDF: 65.5/56

All: 0.028+/-0.016 χ^2/NDF: 140.7/115

- sign 0.015+/-0.023 χ^2/NDF: 74.5/58

asym_sam2_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 149.320+/-0.025 χ^2/NDF: 3357970.7/31

Left Out: 124.292+/-0.020 χ^2/NDF:841035.9/24

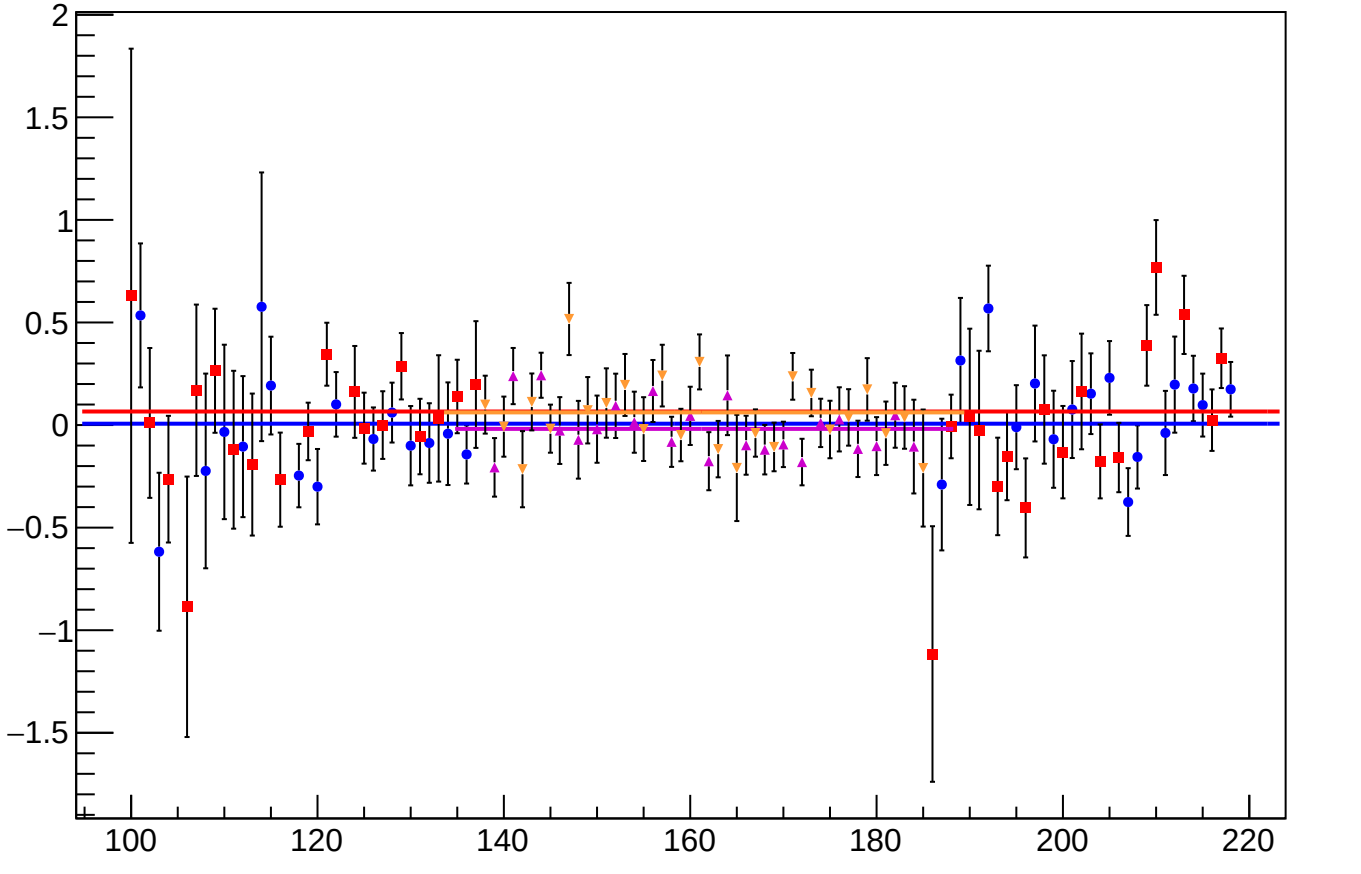
Right Out: 153.660+/-0.026 χ^2/NDF: 3956816.6/35

Left In: 123.062+/-0.021 χ^2/NDF:718844.3/22

+ sign 134.259+/-0.016 χ^2/NDF: 4805504.7/56

All: 134.720+/-0.011 χ^2/NDF: 10346625.5/11

- sign 135.203+/-0.016 χ^2/NDF: 5539362.4/58



Right In: 0.007+/-0.035 χ^2/NDF: 36.6/31

Left Out: 0.062+/-0.029 χ^2/NDF:27.4/24

Right Out: 0.066+/-0.036 χ^2/NDF: 50.9/35

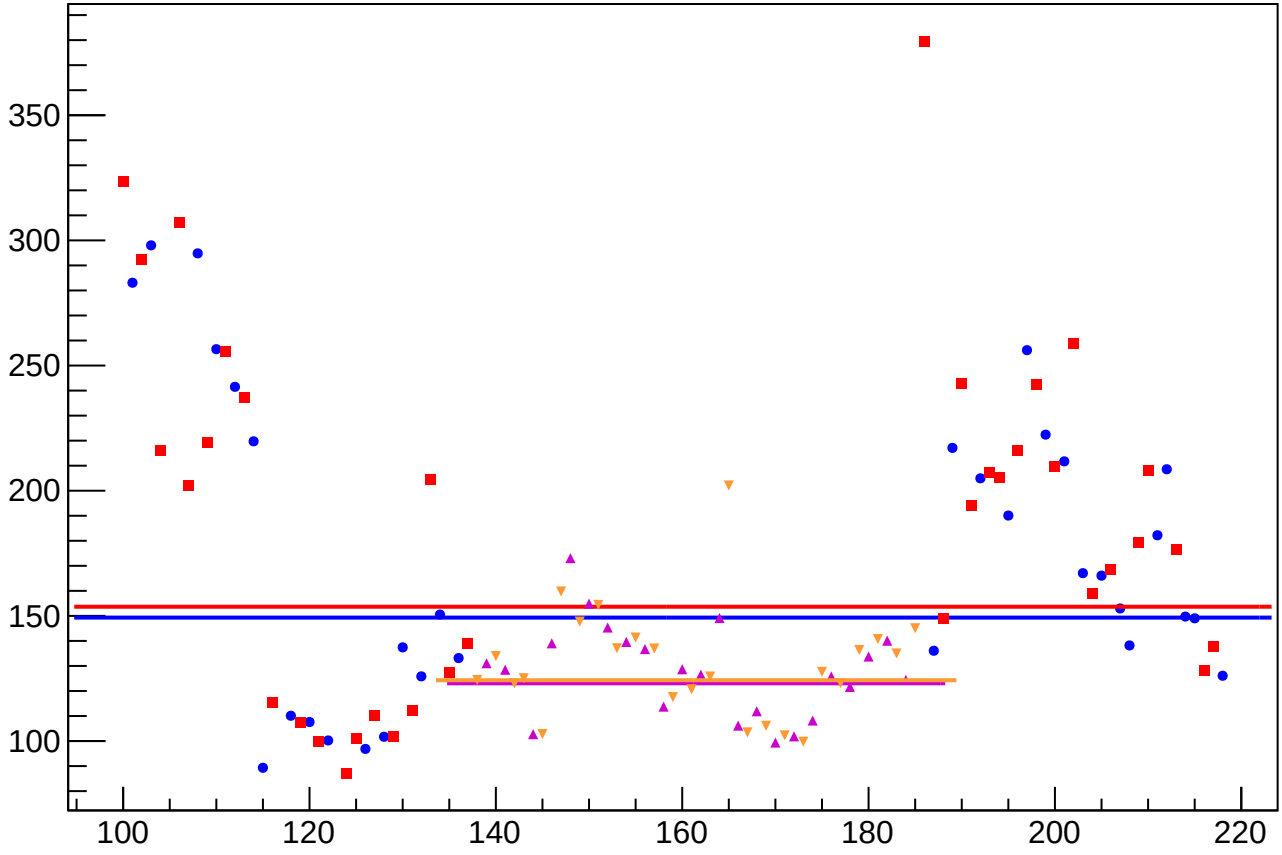
Left In: -0.019+/-0.029 χ^2/NDF:20.3/22

+ sign 0.040+/-0.022 χ^2/NDF: 65.5/56

All: 0.028+/-0.016 χ^2/NDF: 140.7/115

- sign 0.015+/-0.023 χ^2/NDF: 74.5/58

asym_sam2_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 149.320+/-0.025 χ^2/NDF: 3357970.7/31

Left Out: 124.292+/-0.020 χ^2/NDF:841035.9/24

Right Out: 153.660+/-0.026 χ^2/NDF: 3956816.6/35

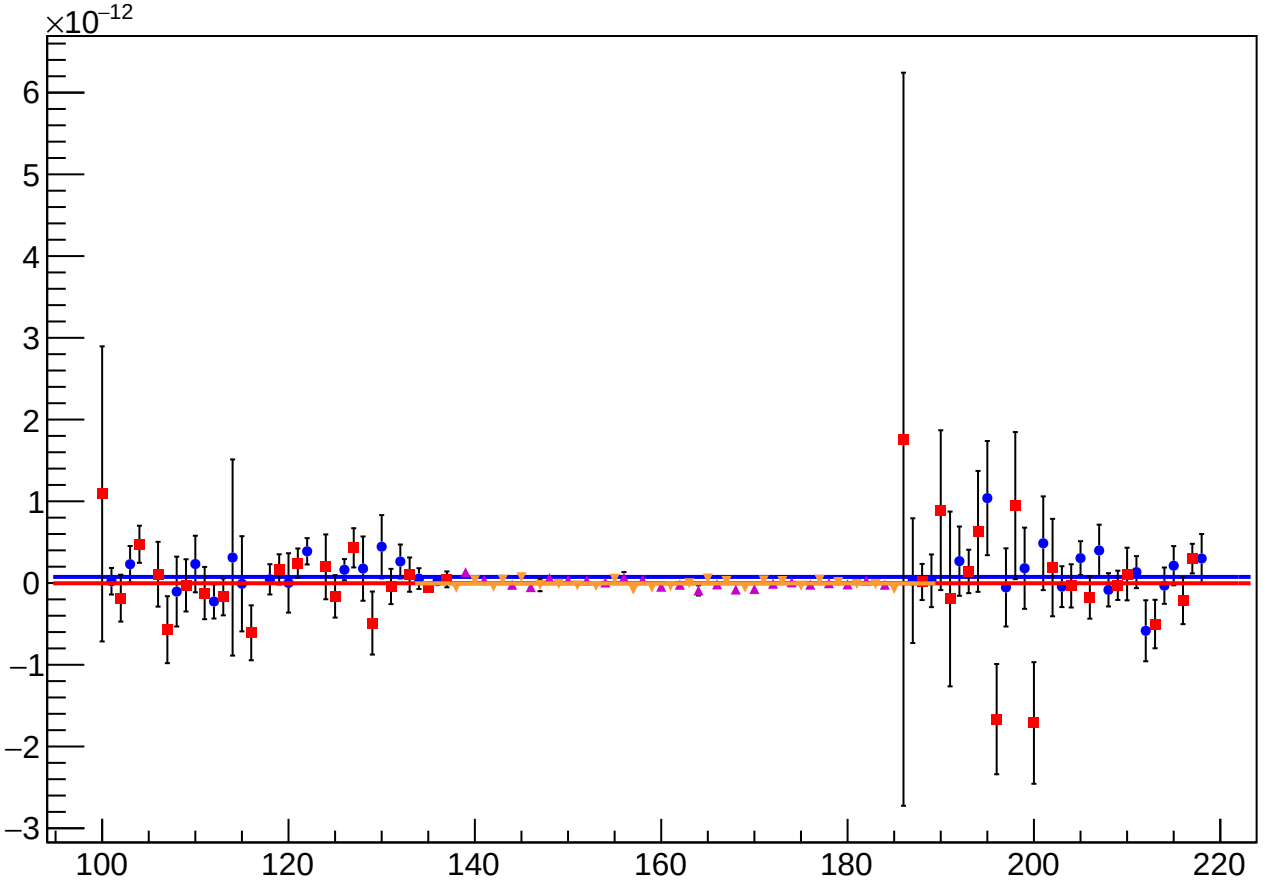
Left In: 123.062+/-0.021 χ^2/NDF:718844.3/22

+ sign 134.259+/-0.016 χ^2/NDF: 4805504.7/56

All: 134.720+/-0.011 χ^2/NDF: 10346625.5/11

- sign 135.203+/-0.016 χ^2/NDF: 5539362.4/58

asym_sam2_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 20.6/31

Left Out: -0.000+/-0.000 χ^2/NDF:24.5/24

Right Out: -0.000+/-0.000 χ^2/NDF: 42.1/35

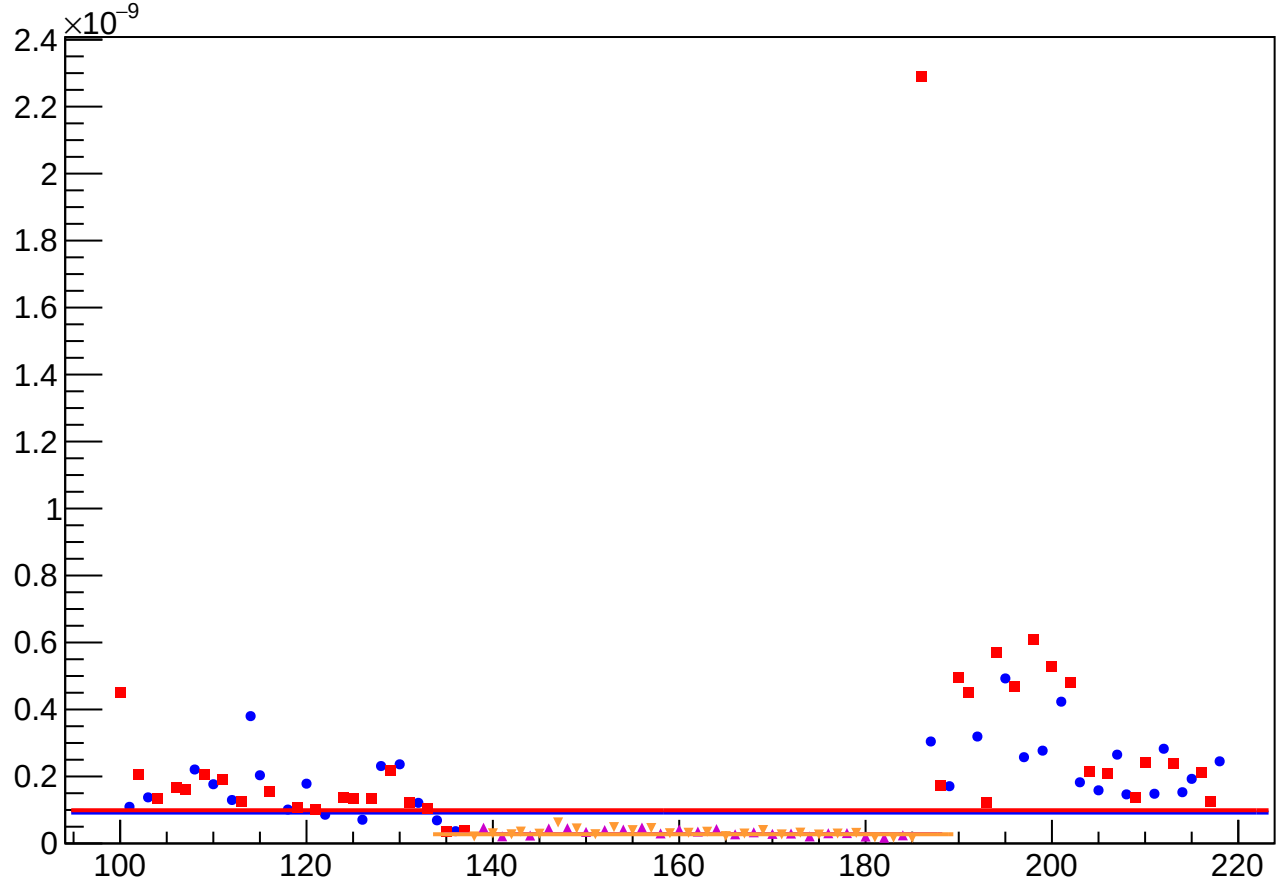
Left In: 0.000+/-0.000 χ^2/NDF:24.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 50.8/56

All: -0.000+/-0.000 χ^2/NDF: 117.5/115

- sign -0.000+/-0.000 χ^2/NDF: 66.7/58

asym_sam2_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 9762996.3/31

Left Out: 0.000+/-0.000 χ^2/NDF:2403081.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 11302812.9/35

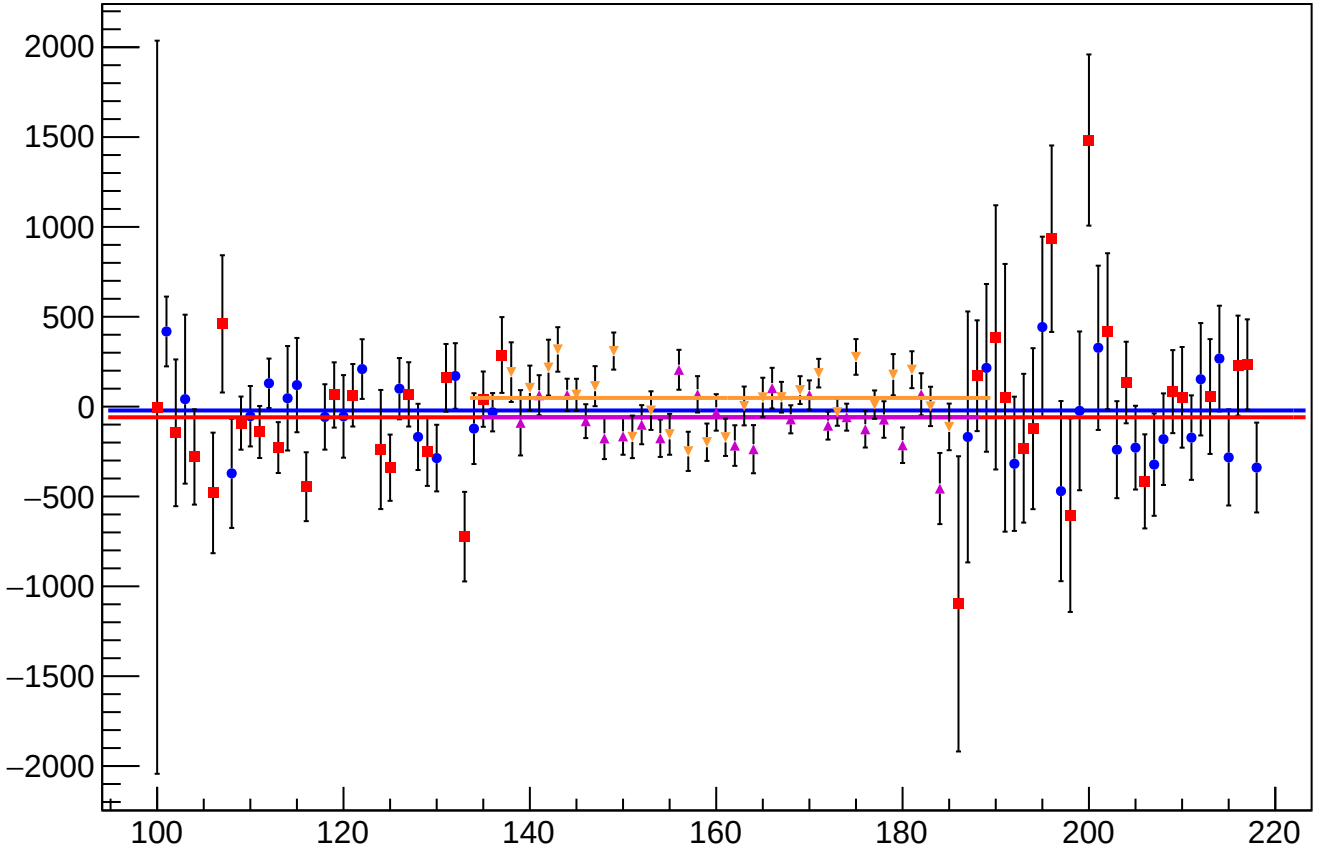
Left In: 0.000+/-0.000 χ^2/NDF:2191521.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 19664424.9/56

All: 0.000+/-0.000 χ^2/NDF: 40928098.8/115

- sign 0.000+/-0.000 χ^2/NDF: 21251539.2/58

reg_asym_sam3_mean vs Slug



Right In: -21.380+/-39.526 χ^2/NDF: 25.0/31

Left Out: 48.392+/-20.423 χ^2/NDF:53.6/24

Right Out: -59.266+/-40.044 χ^2/NDF: 51.5/35

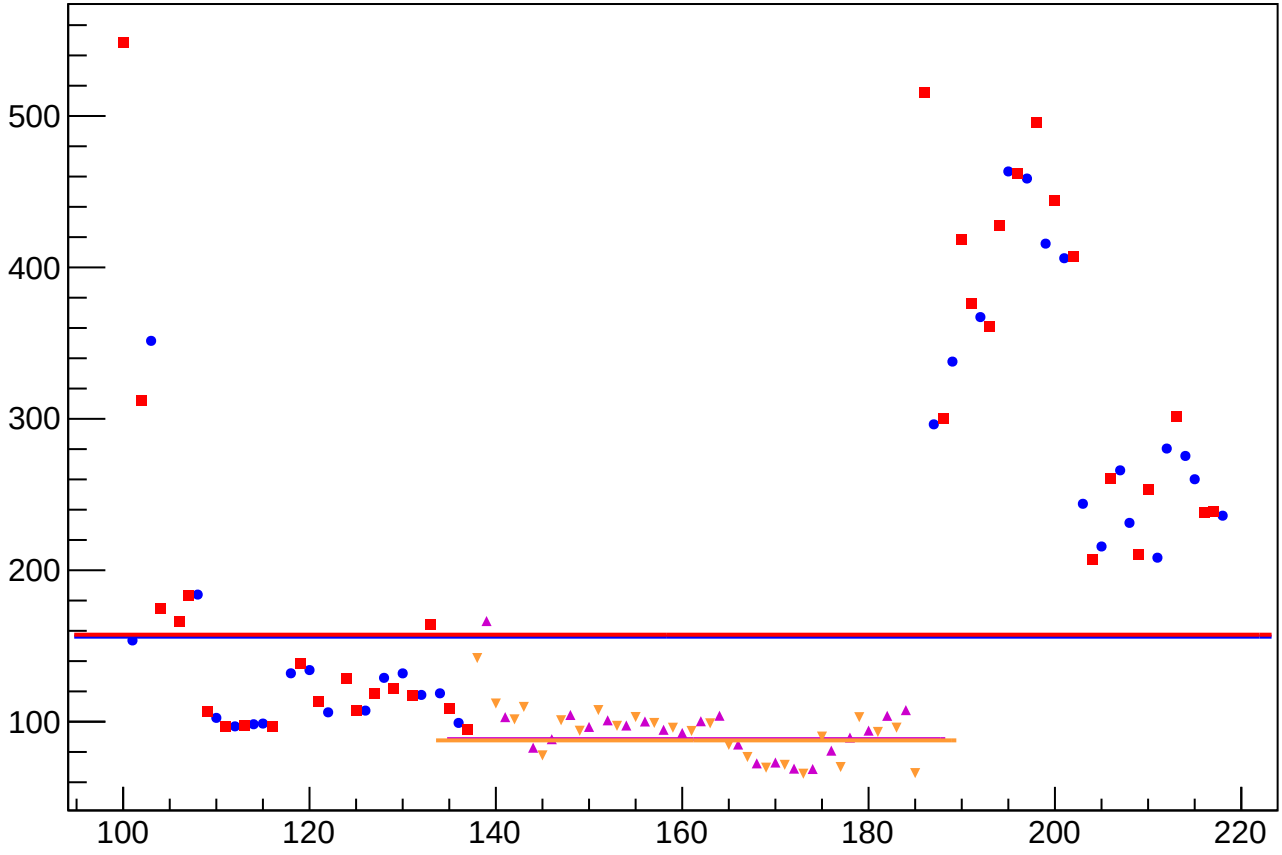
Left In: -59.014+/-21.156 χ^2/NDF:30.6/22

+ sign 33.690+/-18.144 χ^2/NDF: 81.0/56

All: -11.275+/-13.024 χ^2/NDF: 175.8/115

- sign -59.069+/-18.706 χ^2/NDF: 82.1/58

reg_asym_sam3_rms vs Slug



Right In: 156.156+/-0.028 χ^2/NDF: 8170540.0/31

Left Out: 87.656+/-0.014 χ^2/NDF:1213284.3/24

Right Out: 157.453+/-0.028 χ^2/NDF: 9307484.6/35

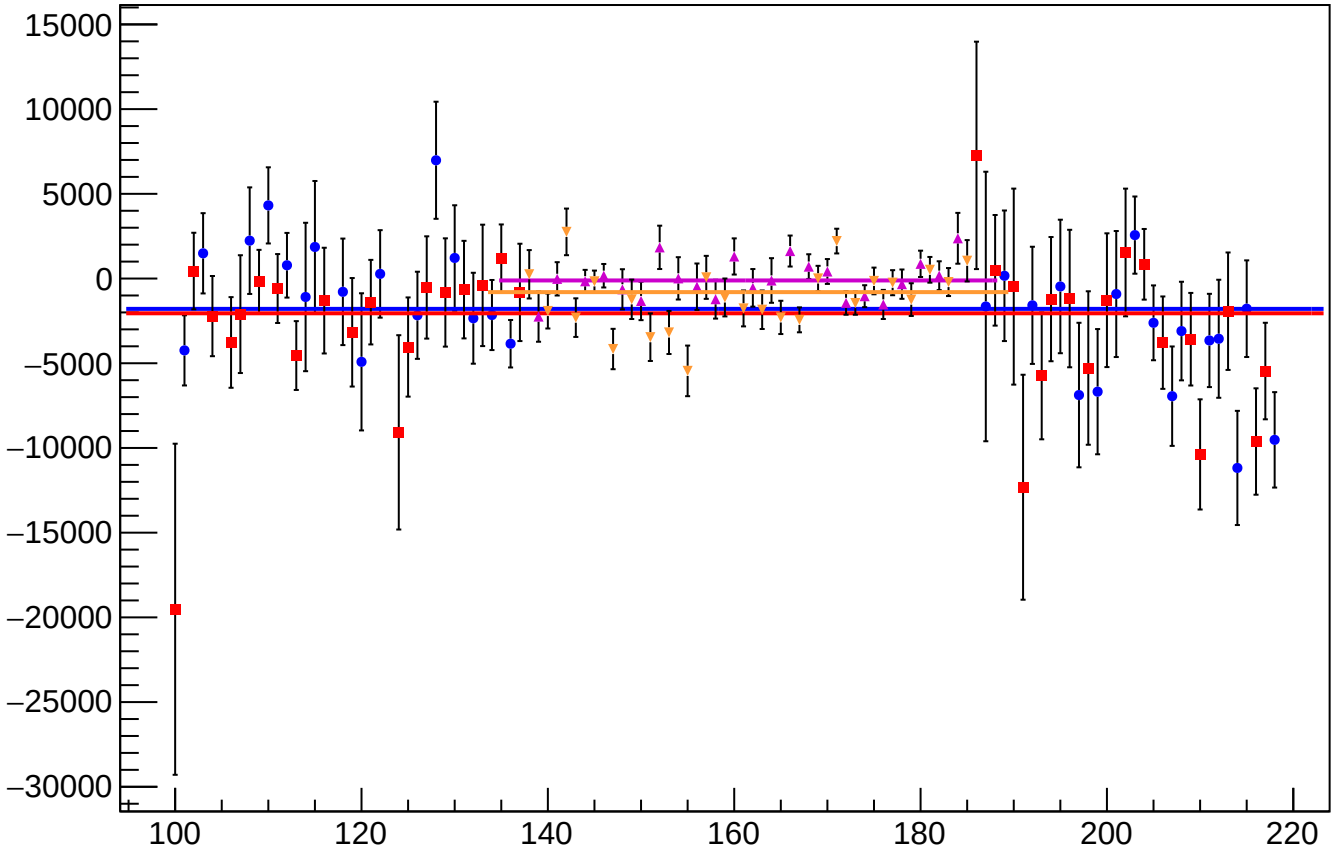
Left In: 88.482+/-0.015 χ^2/NDF:1075689.1/22

+ sign 102.090+/-0.013 χ^2/NDF: 14124897.5/56

All: 102.789+/-0.009 χ^2/NDF: 29152603.5/11

- sign 103.533+/-0.013 χ^2/NDF: 15021577.7/58

asym_sam3_reg_correction_mean vs Slug



Right In: -1790.407+/-485.055 χ^2/NDF: 52.7/31

Left Out: -801.506+/-187.755 χ^2/NDF:71.9/24

Right Out: -2051.239+/-492.690 χ^2/NDF: 37.7/35

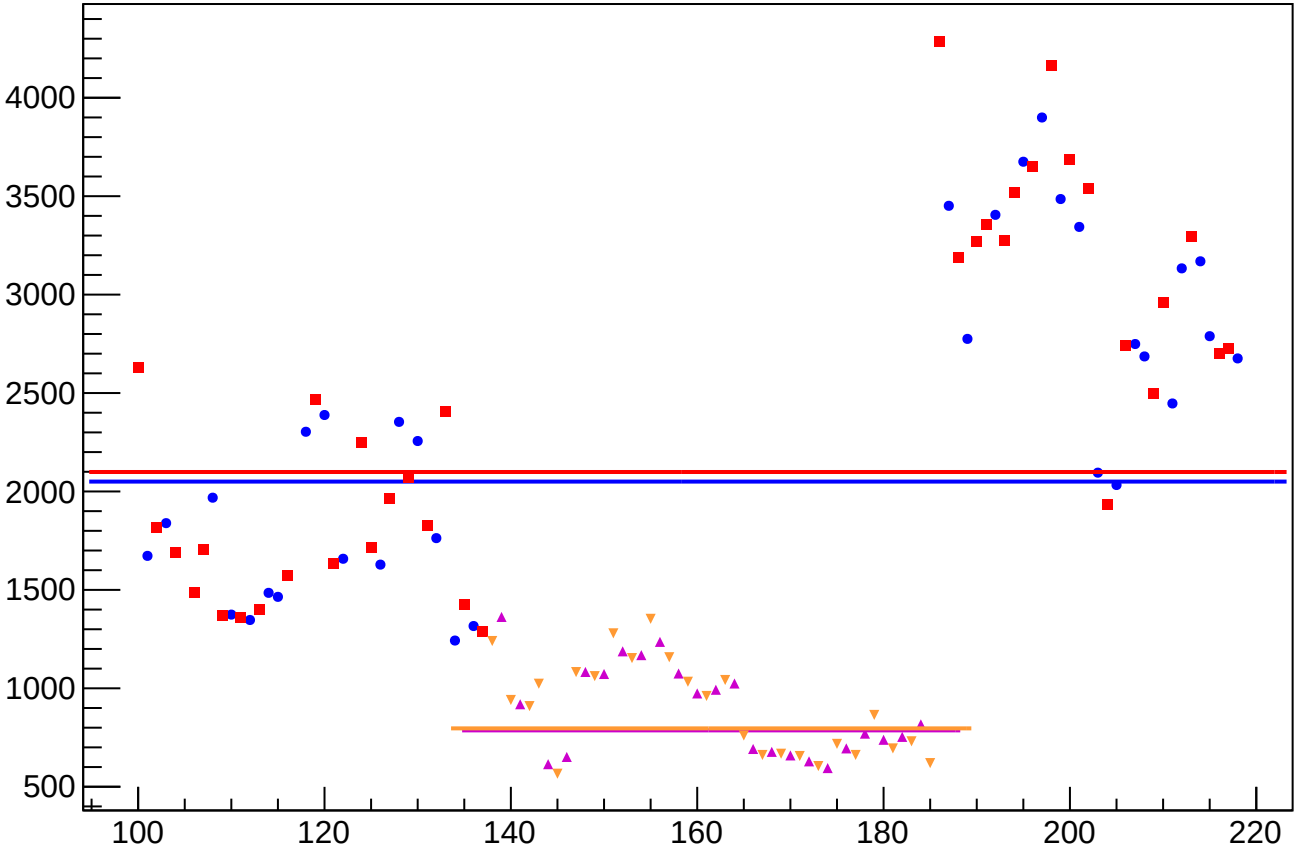
Left In: -112.483+/-190.269 χ^2/NDF:27.1/22

+ sign -930.367+/-175.095 χ^2/NDF: 128.2/56

All: -651.085+/-124.650 χ^2/NDF: 211.6/115

- sign -364.101+/-177.494 χ^2/NDF: 78.2/58

asym_sam3_reg_correction_rms vs Slug



Right In: 2050.161+/-0.343 χ^2/NDF: 4239217.9/31

Left Out: 796.524+/-0.133 χ^2/NDF:2417872.0/24

Right Out: 2098.914+/-0.348 χ^2/NDF: 4768341.1/35

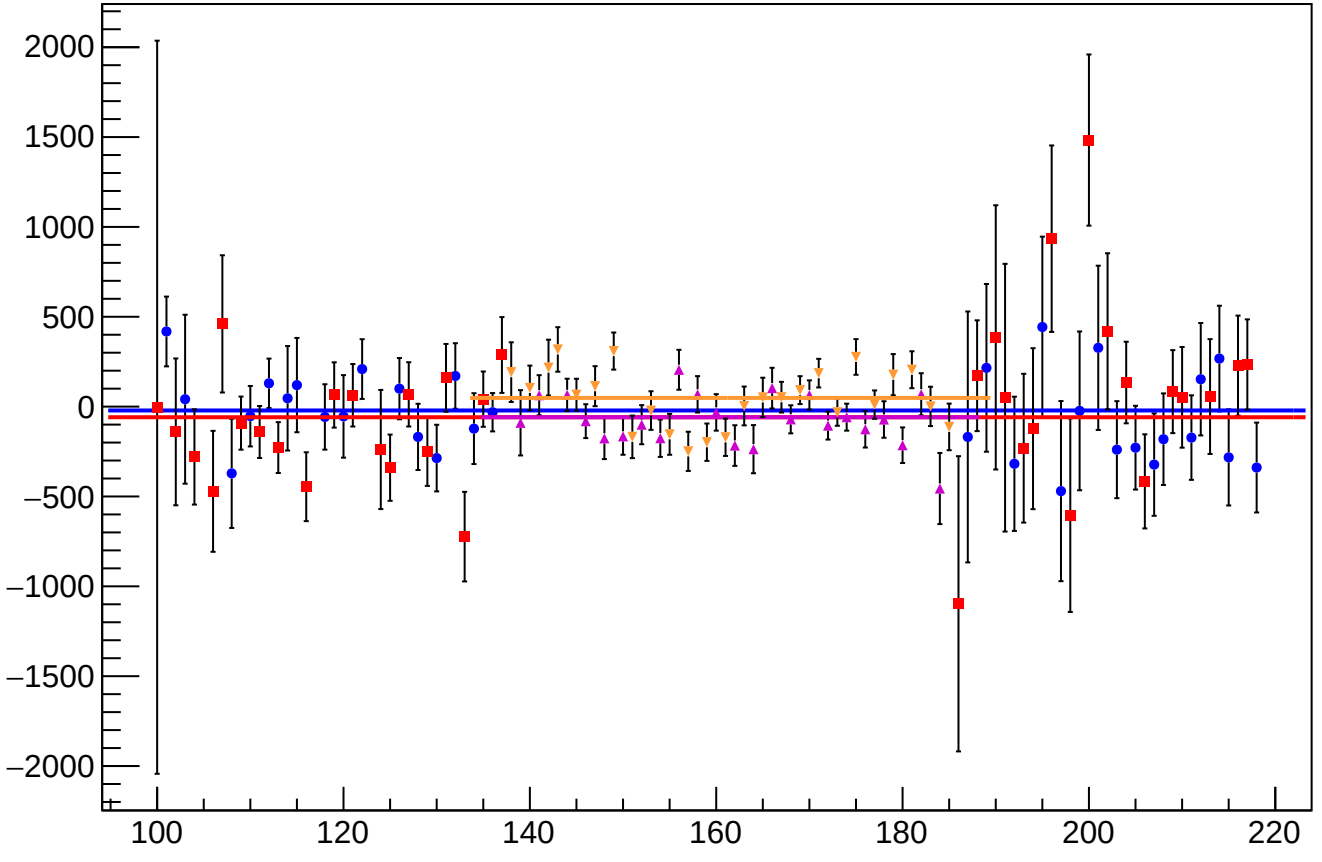
Left In: 786.336+/-0.135 χ^2/NDF:2156583.9/22

+ sign 959.881+/-0.124 χ^2/NDF: 18275789.2/56

All: 958.305+/-0.088 χ^2/NDF: 37553672.5/11

- sign 956.686+/-0.126 χ^2/NDF: 19277554.8/58

cor_asym_sam3_mean vs Slug



Right In: -21.393+/-39.526 χ^2/NDF: 25.0/31

Left Out: 48.399+/-20.423 χ^2/NDF:53.6/24

Right Out: -59.049+/-40.046 χ^2/NDF: 51.4/35

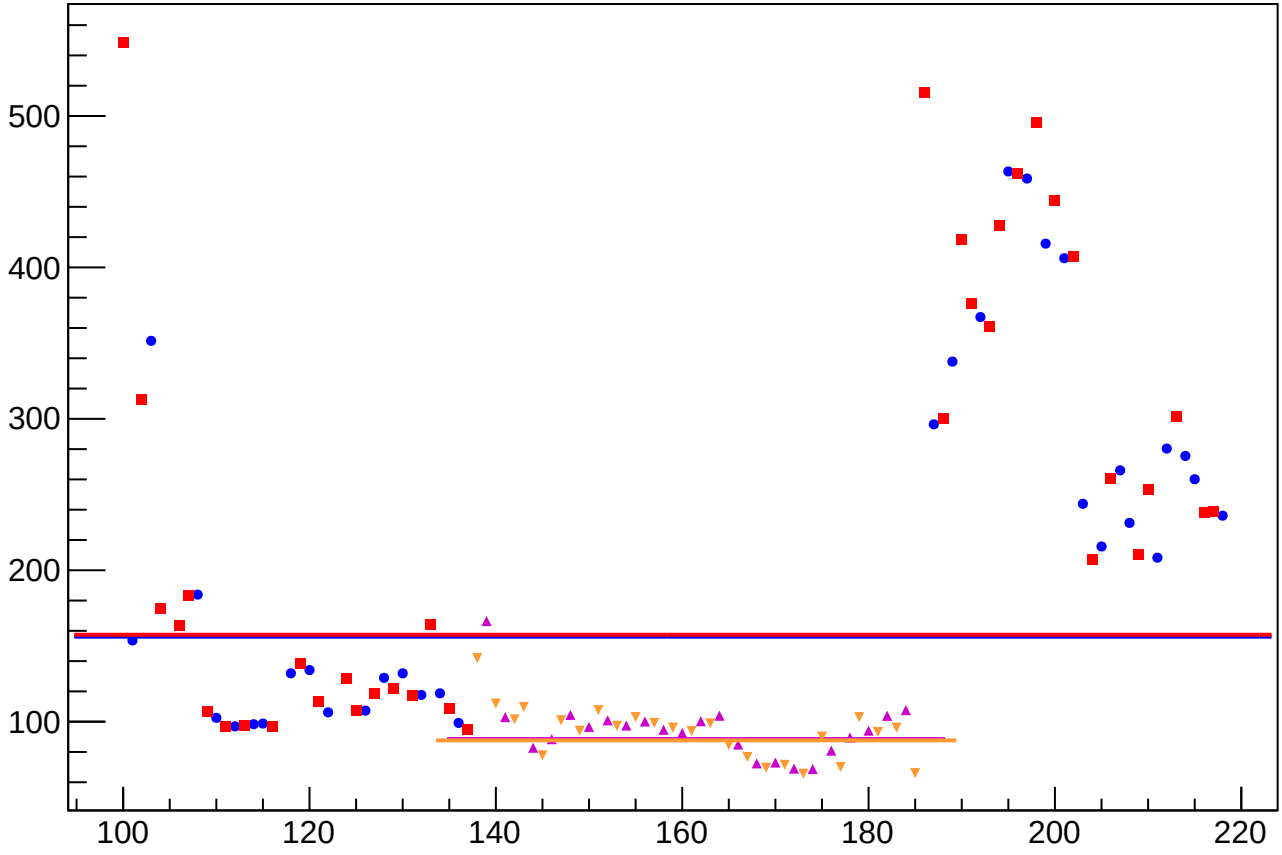
Left In: -59.016+/-21.156 χ^2/NDF:30.6/22

+ sign 33.693+/-18.144 χ^2/NDF: 81.0/56

All: -11.251+/-13.024 χ^2/NDF: 175.7/115

- sign -59.023+/-18.706 χ^2/NDF: 82.0/58

cor_asym_sam3_rms vs Slug



Right In: 156.156+/-0.028 χ^2/NDF: 8170542.5/31

Left Out: 87.656+/-0.014 χ^2/NDF:1213284.3/24

Right Out: 157.418+/-0.028 χ^2/NDF: 9306983.7/35

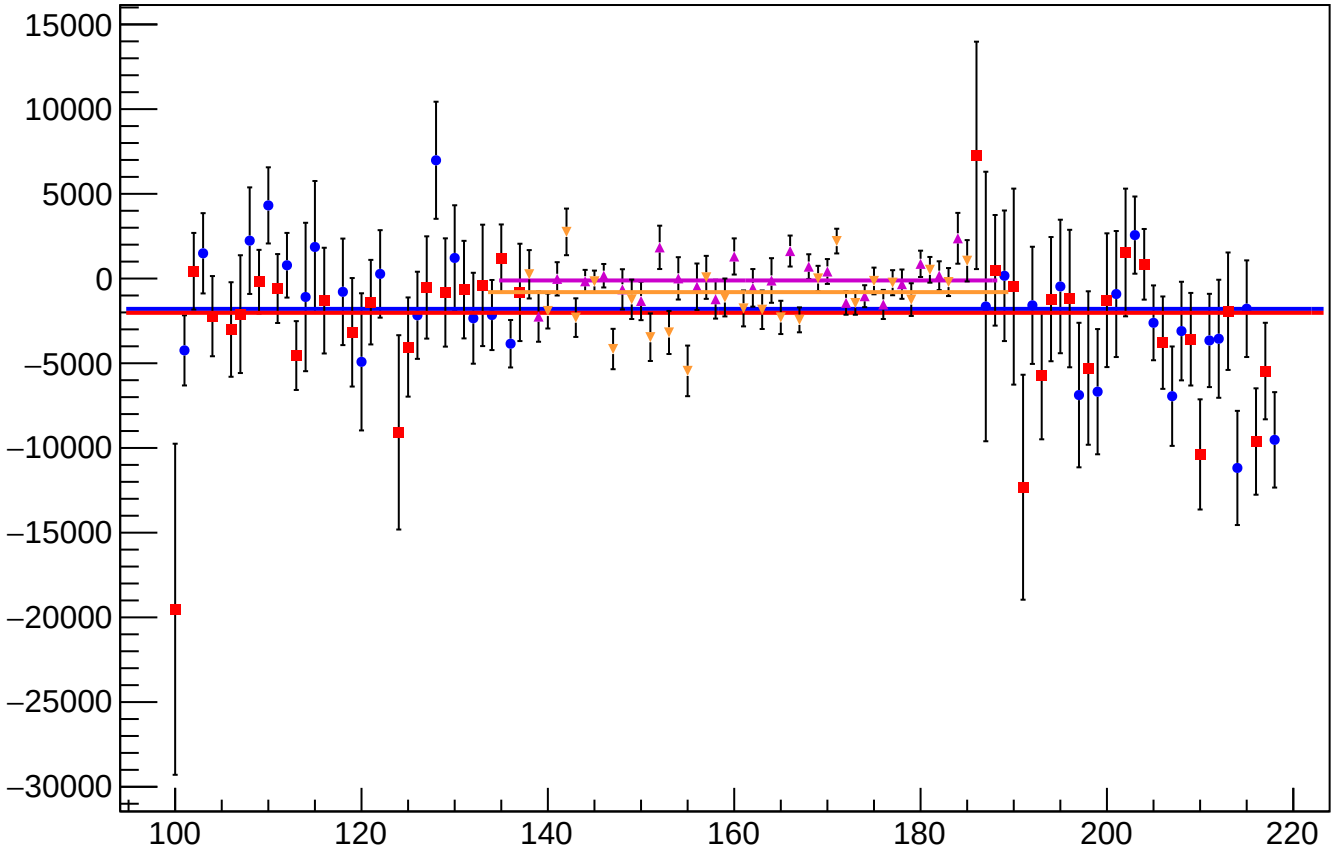
Left In: 88.482+/-0.015 χ^2/NDF:1075689.1/22

+ sign 102.090+/-0.013 χ^2/NDF: 14124899.1/56

All: 102.785+/-0.009 χ^2/NDF: 29146878.1/11

- sign 103.524+/-0.013 χ^2/NDF: 15015926.6/58

asym_sam3_cor_correction_mean vs Slug



Right In: -1790.405+/-485.057 χ^2/NDF: 52.7/31

Left Out: -801.499+/-187.755 χ^2/NDF:71.9/24

Right Out: -2023.512+/-493.388 χ^2/NDF: 37.4/35

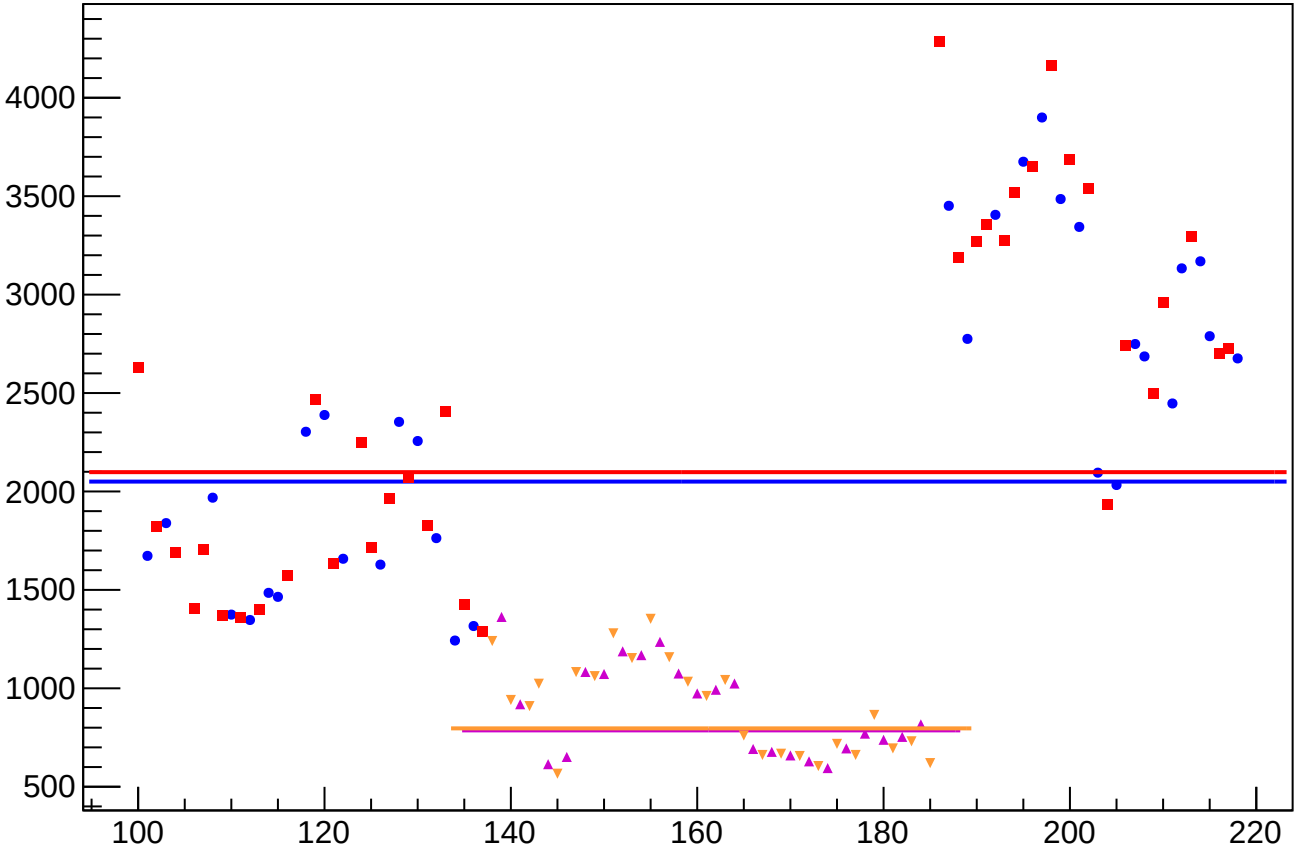
Left In: -112.485+/-190.269 χ^2/NDF:27.1/22

+ sign -930.359+/-175.096 χ^2/NDF: 128.2/56

All: -649.058+/-124.662 χ^2/NDF: 211.0/115

- sign -359.893+/-177.526 χ^2/NDF: 77.5/58

asym_sam3_cor_correction_rms vs Slug



Right In: 2050.171+/-0.343 χ^2/NDF: 4239190.3/31

Left Out: 796.523+/-0.133 χ^2/NDF:2417869.7/24

Right Out: 2098.156+/-0.349 χ^2/NDF: 4786656.4/35

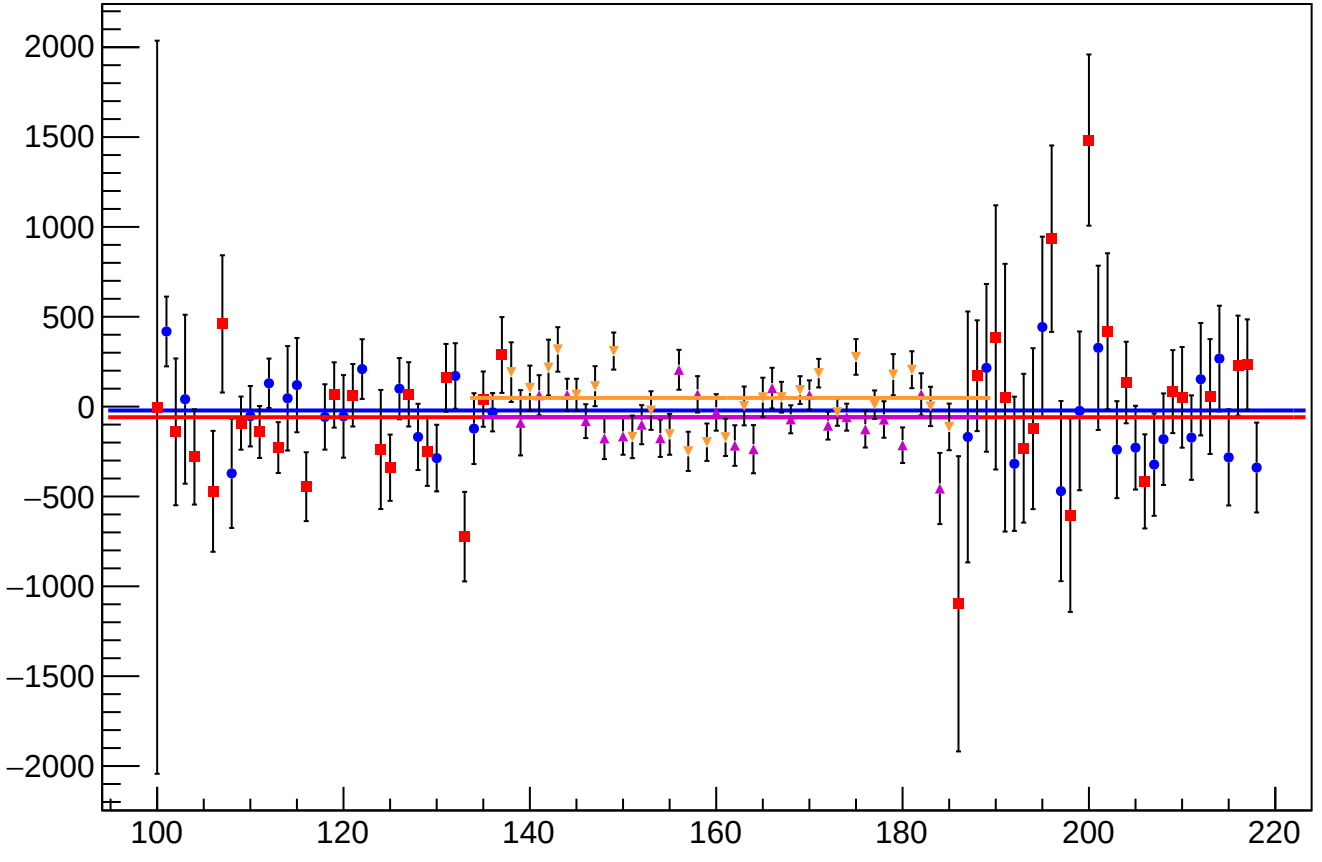
Left In: 786.336+/-0.135 χ^2/NDF:2156582.1/22

+ sign 959.881+/-0.124 χ^2/NDF: 18275850.3/56

All: 958.051+/-0.088 χ^2/NDF: 37527553.3/11

- sign 956.169+/-0.126 χ^2/NDF: 19251259.7/58

eigen_cor_asym_sam3_mean vs Slug



Right In: -21.393+/-39.526 χ^2/NDF: 25.0/31

Left Out: 48.399+/-20.423 χ^2/NDF:53.6/24

Right Out: -59.049+/-40.046 χ^2/NDF: 51.4/35

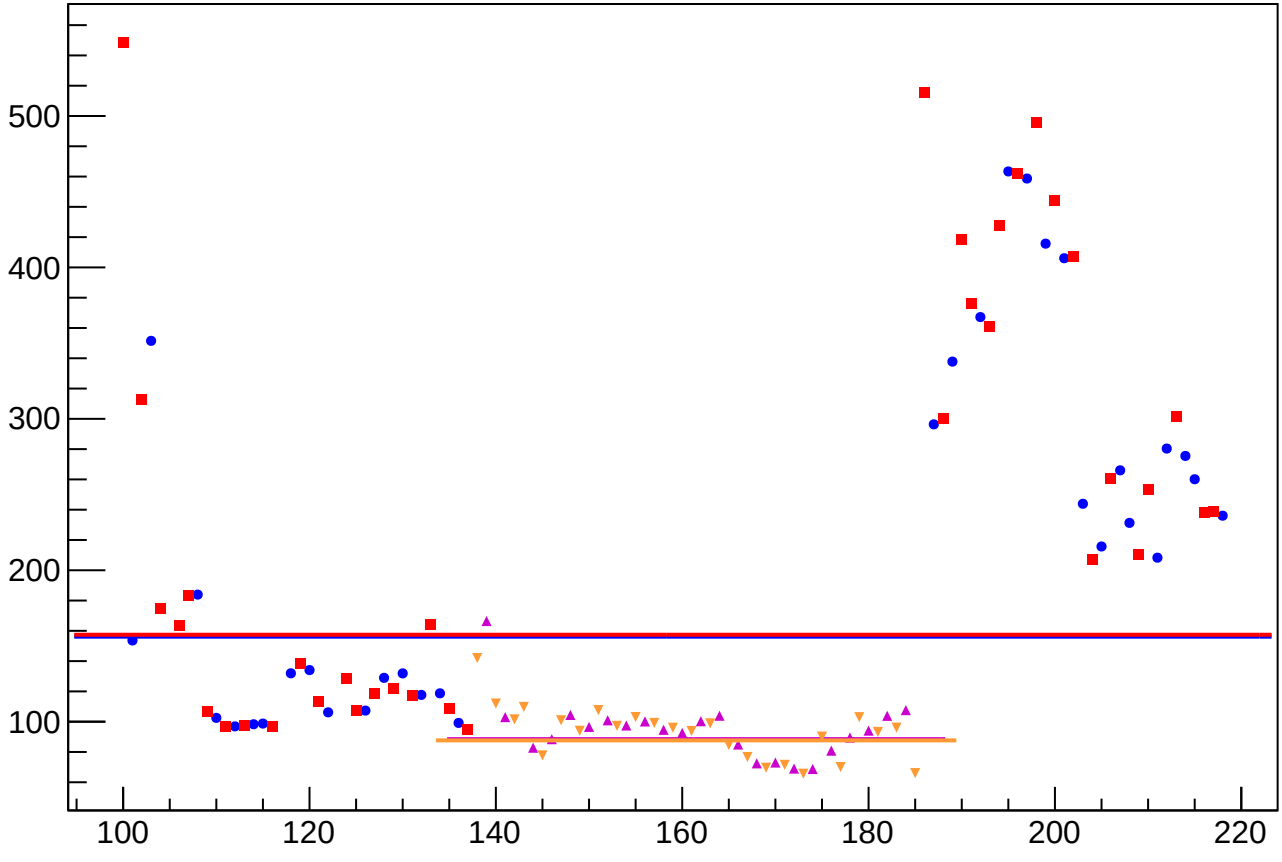
Left In: -59.016+/-21.156 χ^2/NDF:30.6/22

+ sign 33.693+/-18.144 χ^2/NDF: 81.0/56

All: -11.251+/-13.024 χ^2/NDF: 175.7/115

- sign -59.023+/-18.706 χ^2/NDF: 82.0/58

eigen_cor_asym_sam3_rms vs Slug



Right In: 156.156+/-0.028 χ^2/NDF: 8170542.5/31

Left Out: 87.656+/-0.014 χ^2/NDF:1213284.3/24

Right Out: 157.418+/-0.028 χ^2/NDF: 9306983.7/35

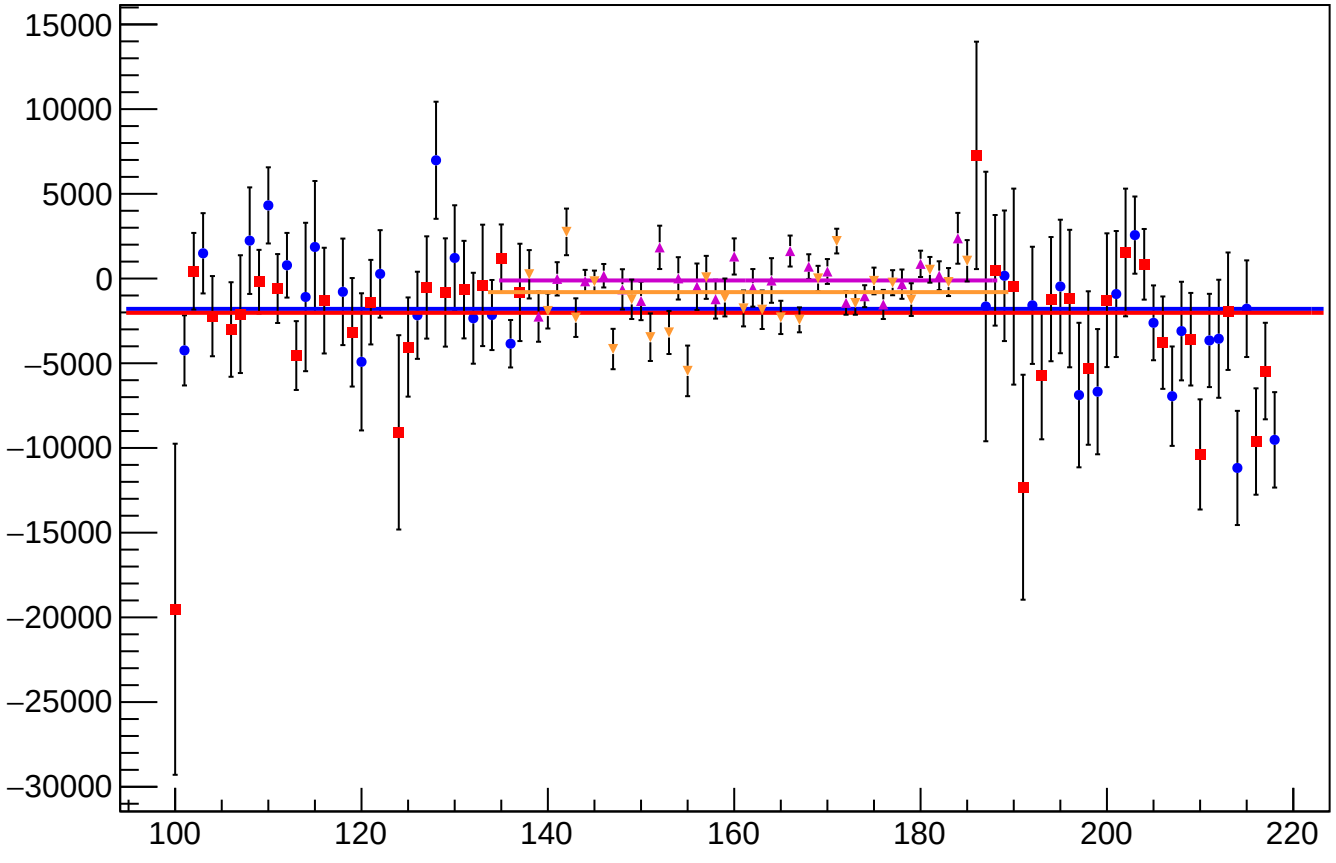
Left In: 88.482+/-0.015 χ^2/NDF:1075689.1/22

+ sign 102.090+/-0.013 χ^2/NDF: 14124899.1/56

All: 102.785+/-0.009 χ^2/NDF: 29146878.1/11

- sign 103.524+/-0.013 χ^2/NDF: 15015926.6/58

asym_sam3_eigen_cor_correction_mean vs Slug



Right In: -1790.405+/-485.057 χ^2/NDF: 52.7/31

Left Out: -801.499+/-187.755 χ^2/NDF:71.9/24

Right Out: -2023.512+/-493.388 χ^2/NDF: 37.4/35

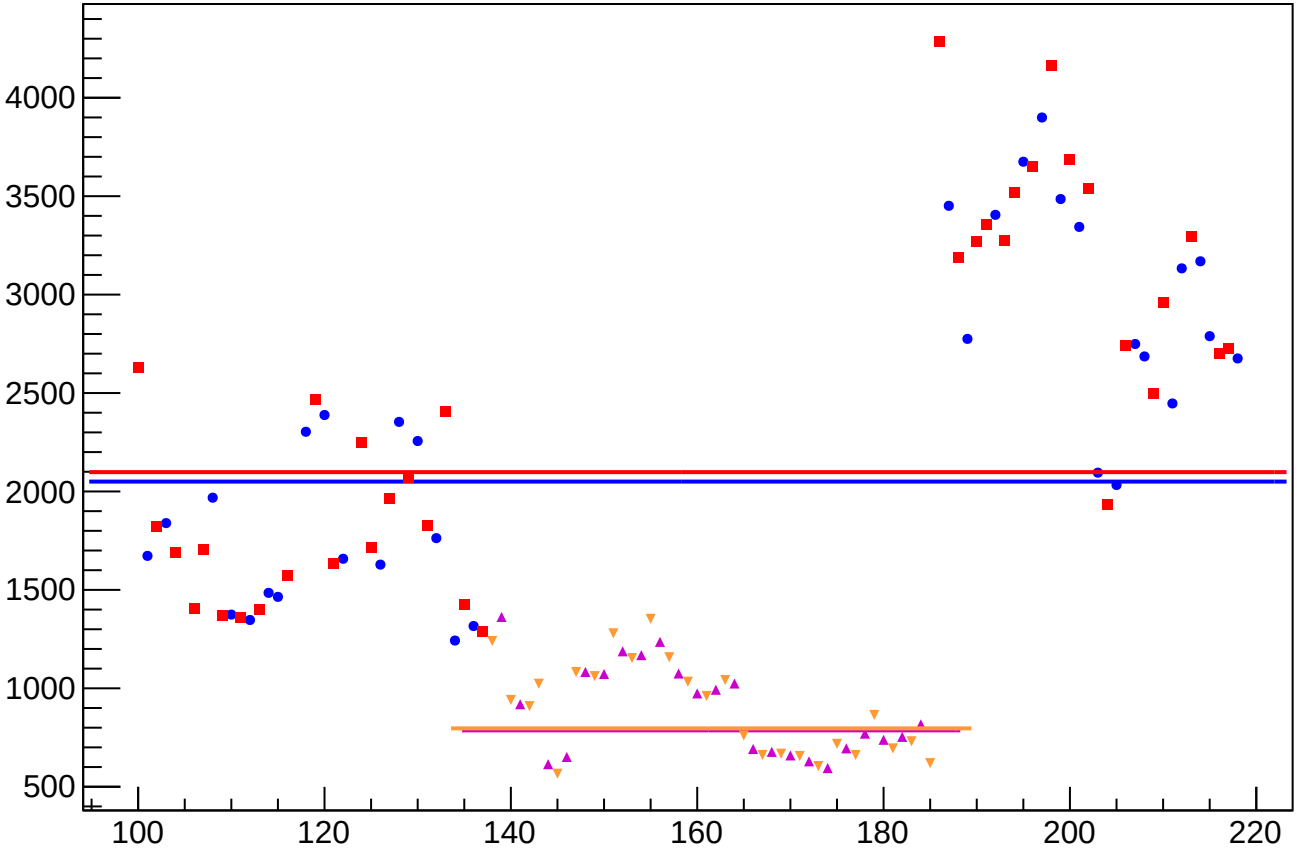
Left In: -112.485+/-190.269 χ^2/NDF:27.1/22

+ sign -930.359+/-175.096 χ^2/NDF: 128.2/56

All: -649.058+/-124.662 χ^2/NDF: 211.0/115

- sign -359.893+/-177.526 χ^2/NDF: 77.5/58

asym_sam3_eigen_cor_correction_rms vs Slug



Right In: 2050.171+/-0.343 χ^2/NDF: 4239190.3/31

Left Out: 796.523+/-0.133 χ^2/NDF:2417869.7/24

Right Out: 2098.156+/-0.349 χ^2/NDF: 4786656.4/35

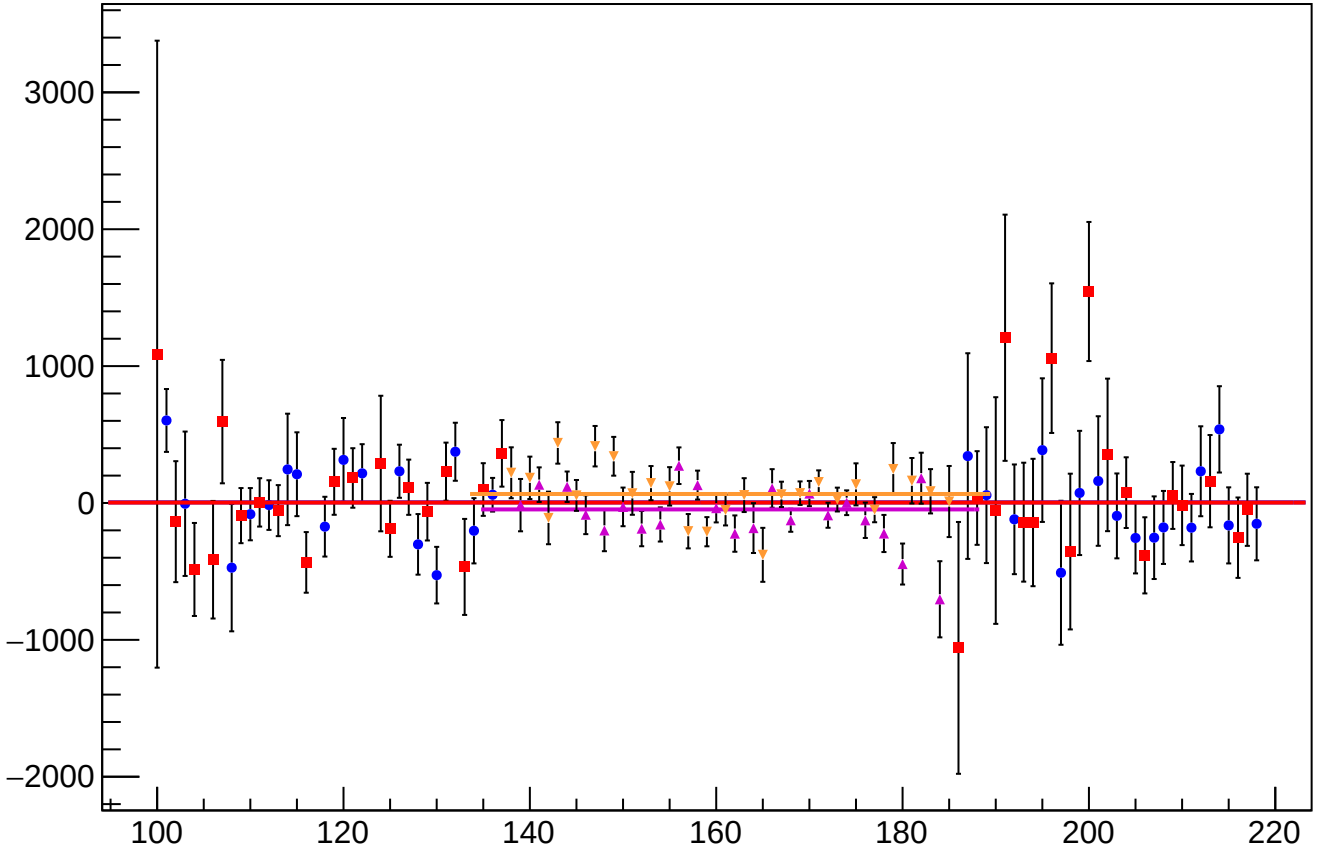
Left In: 786.336+/-0.135 χ^2/NDF:2156582.1/22

+ sign 959.881+/-0.124 χ^2/NDF: 18275850.3/56

All: 958.051+/-0.088 χ^2/NDF: 37527553.3/11

- sign 956.169+/-0.126 χ^2/NDF: 19251259.7/58

dit_asym_sam3_mean vs Slug



Right In: 4.386+/-45.960 χ^2/NDF: 34.3/31

Left Out: 65.702+/-25.059 χ^2/NDF:40.0/24

Right Out: 3.002+/-47.404 χ^2/NDF: 37.5/35

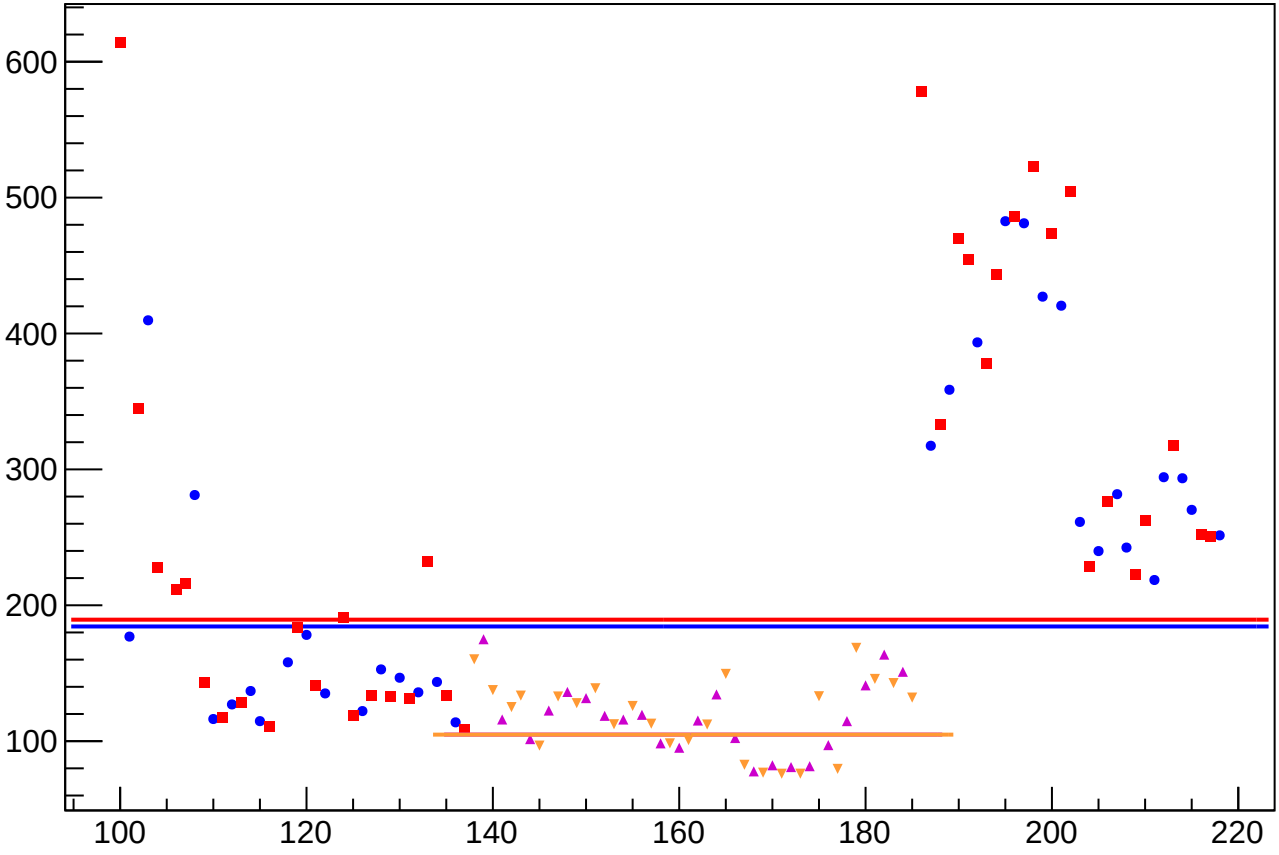
Left In: -47.039+/-25.696 χ^2/NDF:38.6/22

\+ sign 51.651+/-22.001 χ^2/NDF: 75.7/56

All: 9.142+/-15.762 χ^2/NDF: 160.3/115

\- sign -35.674+/-22.591 χ^2/NDF: 77.0/58

dit_asym_sam3_rms vs Slug



Right In: 184.407+/-0.032 χ^2/NDF: 6851764.9/31

Left Out: 104.810+/-0.018 χ^2/NDF:2242795.3/24

Right Out: 189.409+/-0.034 χ^2/NDF: 7976691.7/35

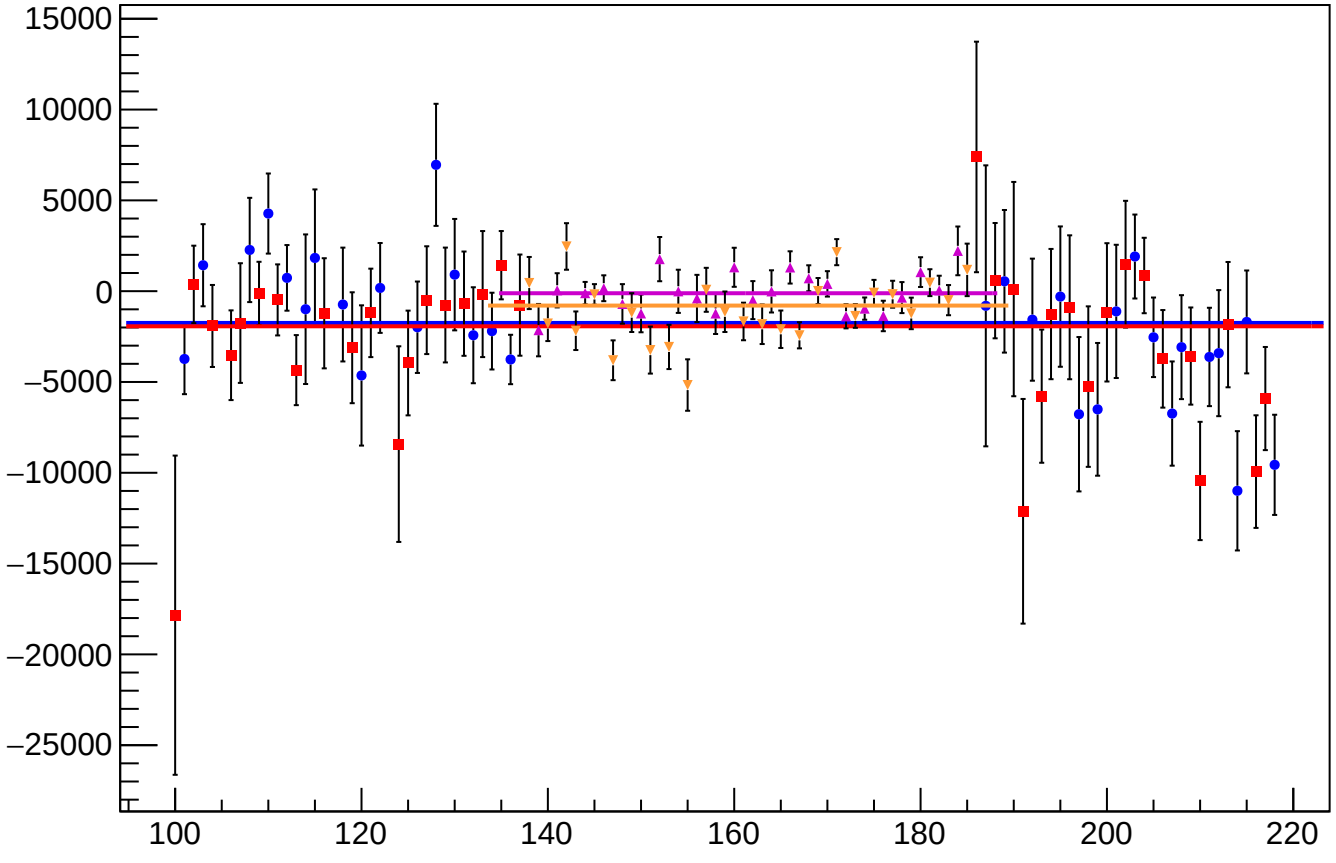
Left In: 104.835+/-0.018 χ^2/NDF:1614476.5/22

+ sign 123.050+/-0.016 χ^2/NDF: 13718650.9/56

All: 123.533+/-0.011 χ^2/NDF: 28232209.8/11

- sign 124.042+/-0.016 χ^2/NDF: 14511581.1/58

asym_sam3_dit_correction_mean vs Slug



Right In: -1749.056+/-473.208 χ^2/NDF: 52.5/31

Left Out: -793.070+/-179.897 χ^2/NDF:70.0/24

Right Out: -1934.367+/-475.256 χ^2/NDF: 41.0/35

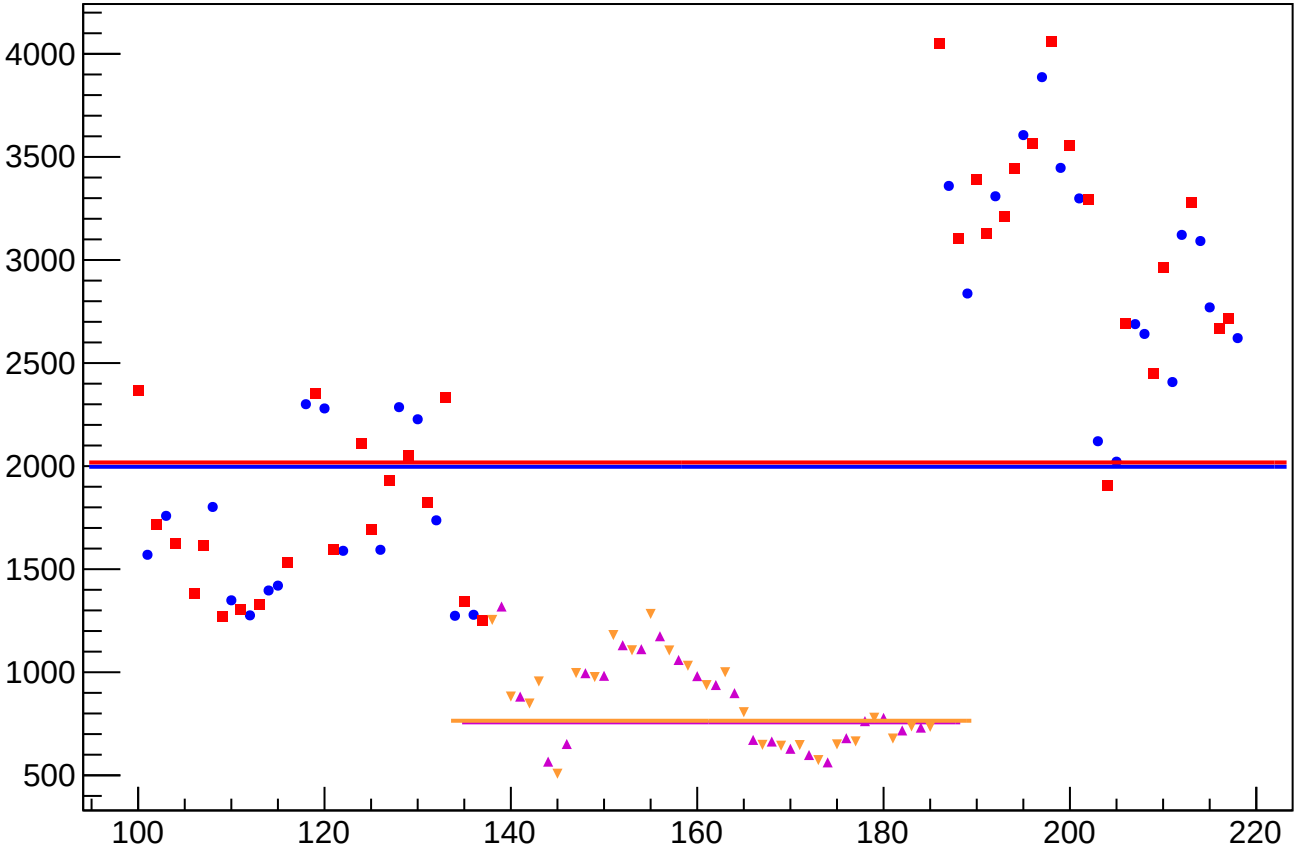
Left In: -113.680+/-183.126 χ^2/NDF:26.3/22

+ sign -913.787+/-168.155 χ^2/NDF: 126.1/56

All: -635.958+/-119.855 χ^2/NDF: 211.7/115

- sign -349.054+/-170.879 χ^2/NDF: 80.1/58

asym_sam3_dit_correction_rms vs Slug



Right In: 1996.897+/-0.335 χ^2/NDF: 4402016.4/31

Left Out: 764.734+/-0.127 χ^2/NDF:2425556.5/24

Right Out: 2017.834+/-0.336 χ^2/NDF: 5048251.3/35

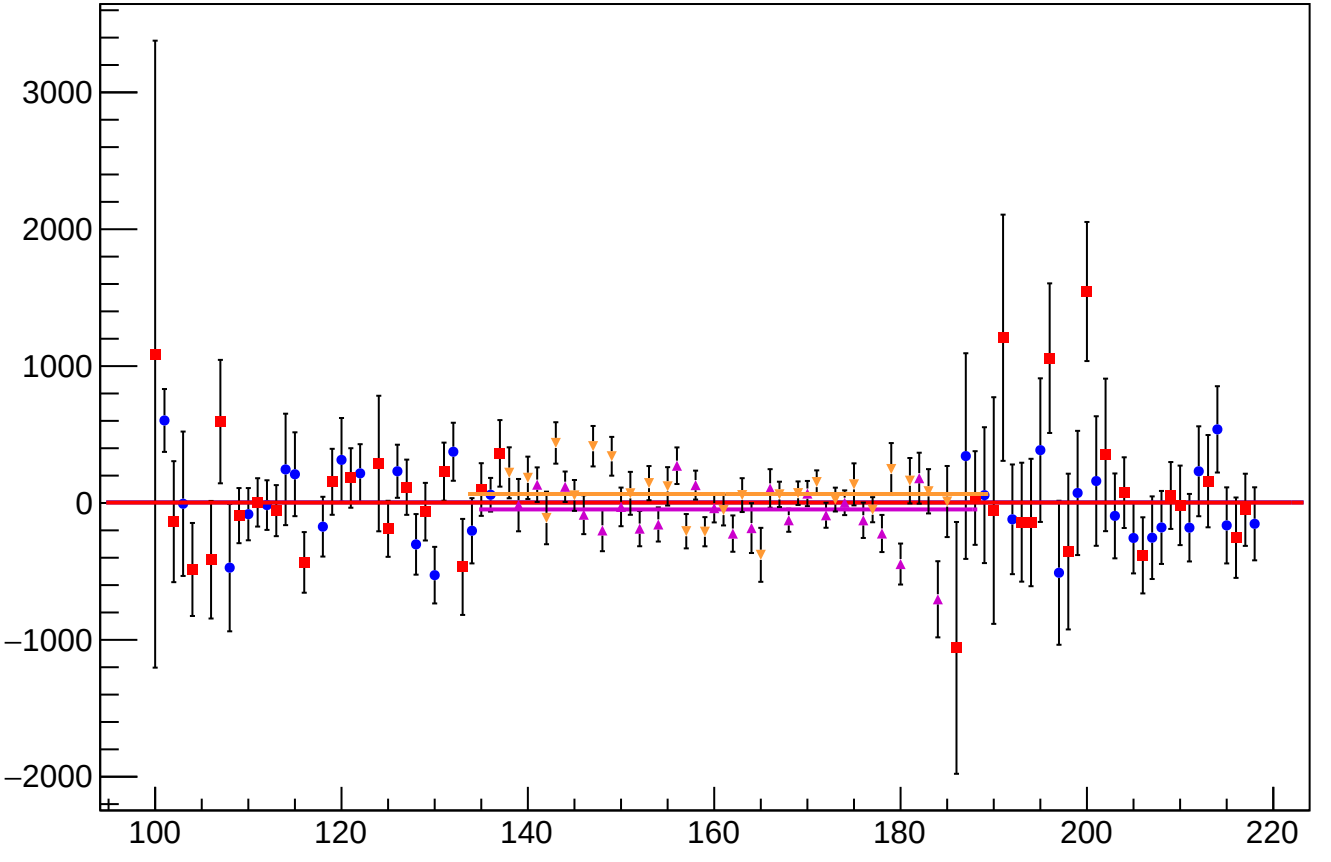
Left In: 756.927+/-0.129 χ^2/NDF:2115280.1/22

+ sign 920.325+/-0.119 χ^2/NDF: 18675349.3/56

All: 920.133+/-0.085 χ^2/NDF: 38096944.0/11

- sign 919.934+/-0.121 χ^2/NDF: 19421589.4/58

eigen_dit_asym_sam3_mean vs Slug



Right In: 4.386+/-45.960 χ^2/NDF: 34.3/31

Left Out: 65.703+/-25.059 χ^2/NDF:40.0/24

Right Out: 3.006+/-47.404 χ^2/NDF: 37.5/35

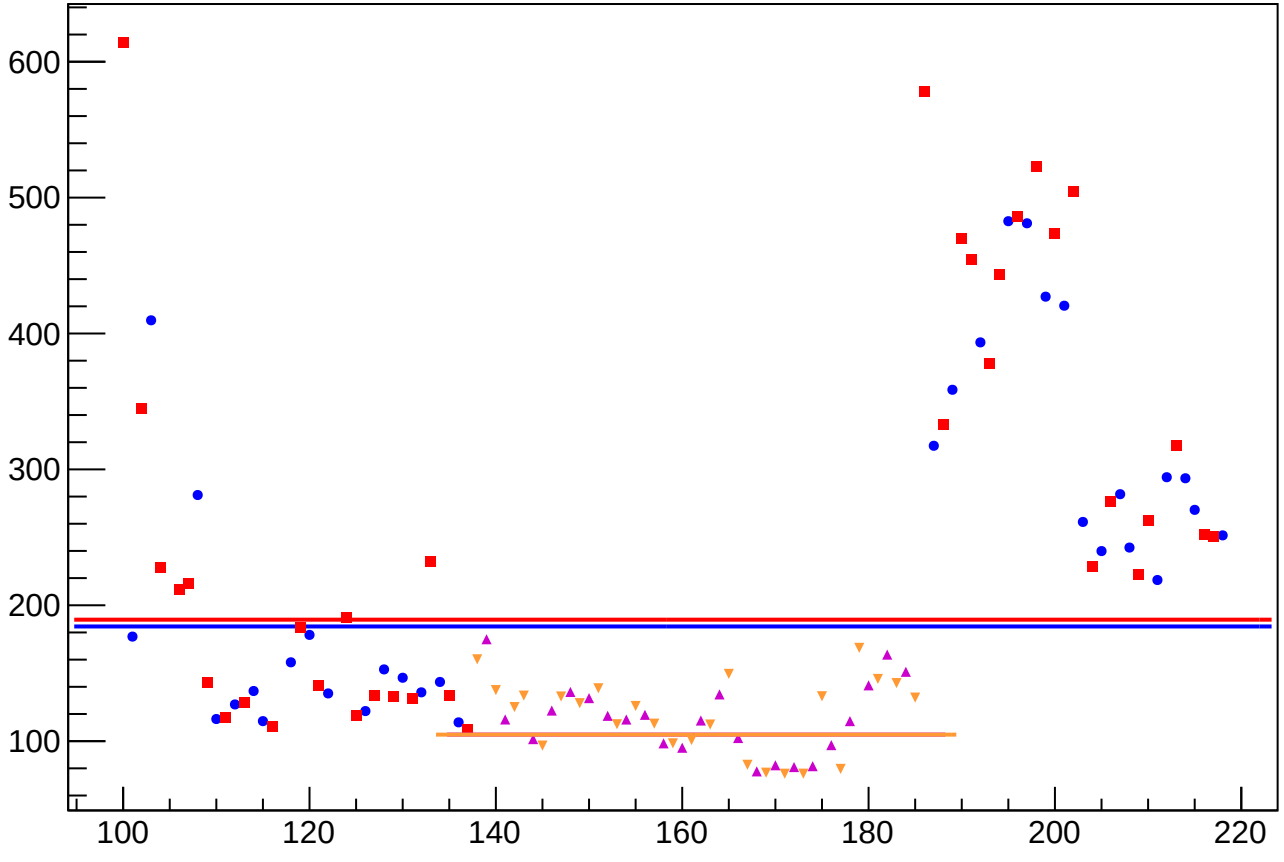
Left In: -47.038+/-25.696 χ^2/NDF:38.6/22

\+ sign 51.652+/-22.001 χ^2/NDF: 75.7/56

All: 9.143+/-15.762 χ^2/NDF: 160.3/115

\- sign -35.672+/-22.591 χ^2/NDF: 77.0/58

eigen_dit_asym_sam3_rms vs Slug



Right In: 184.408+/-0.032 χ^2/NDF: 6851750.1/31

Left Out: 104.810+/-0.018 χ^2/NDF:2242815.0/24

Right Out: 189.409+/-0.034 χ^2/NDF: 7976666.6/35

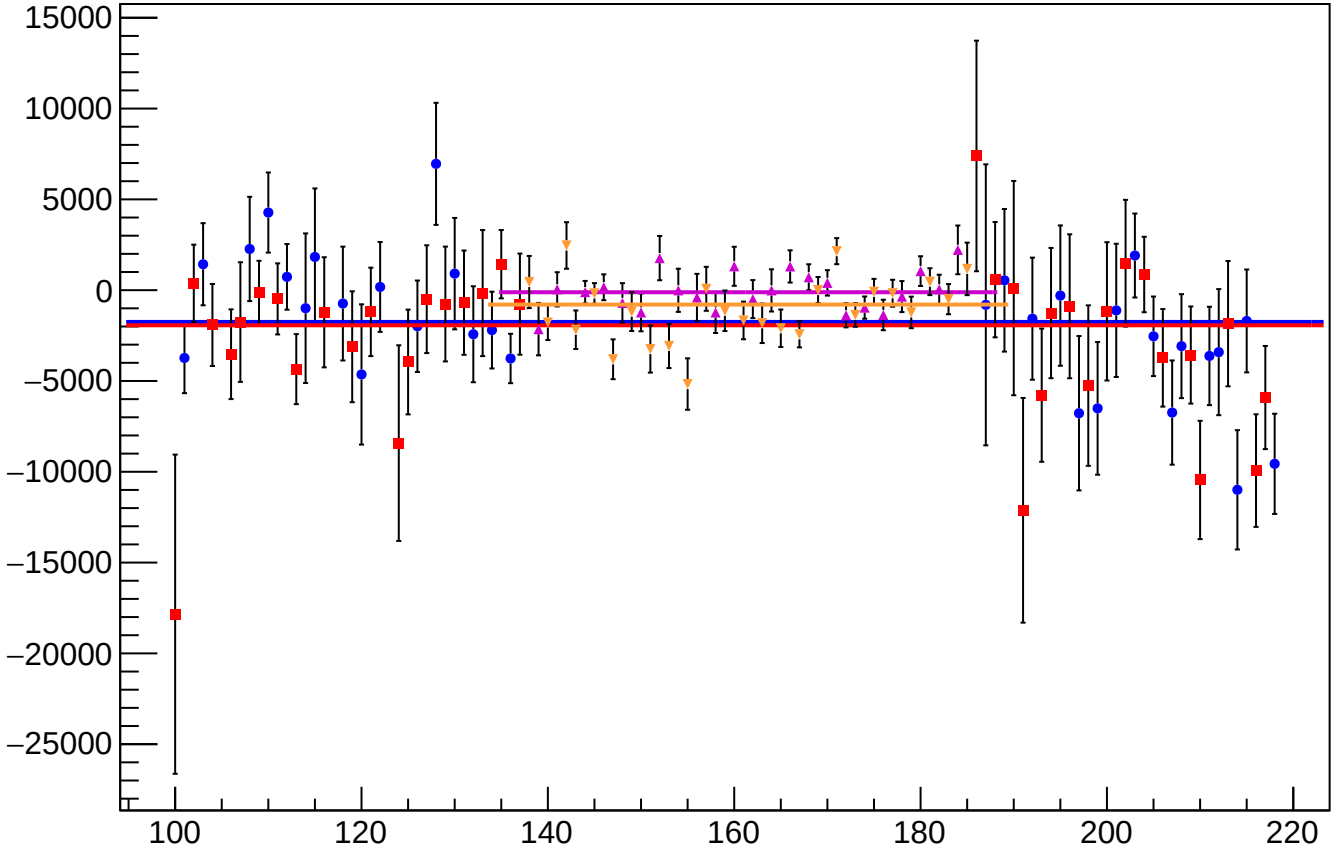
Left In: 104.835+/-0.018 χ^2/NDF:1614484.2/22

+ sign 123.051+/-0.016 χ^2/NDF: 13718636.6/56

All: 123.534+/-0.011 χ^2/NDF: 28232181.0/11

- sign 124.042+/-0.016 χ^2/NDF: 14511566.6/58

asym_sam3_eigen_dit_correction_mean vs Slug



Right In: -1749.052+/-473.208 χ^2/NDF: 52.5/31

Left Out: -793.071+/-179.896 χ^2/NDF:70.0/24

Right Out: -1934.364+/-475.255 χ^2/NDF: 41.0/35

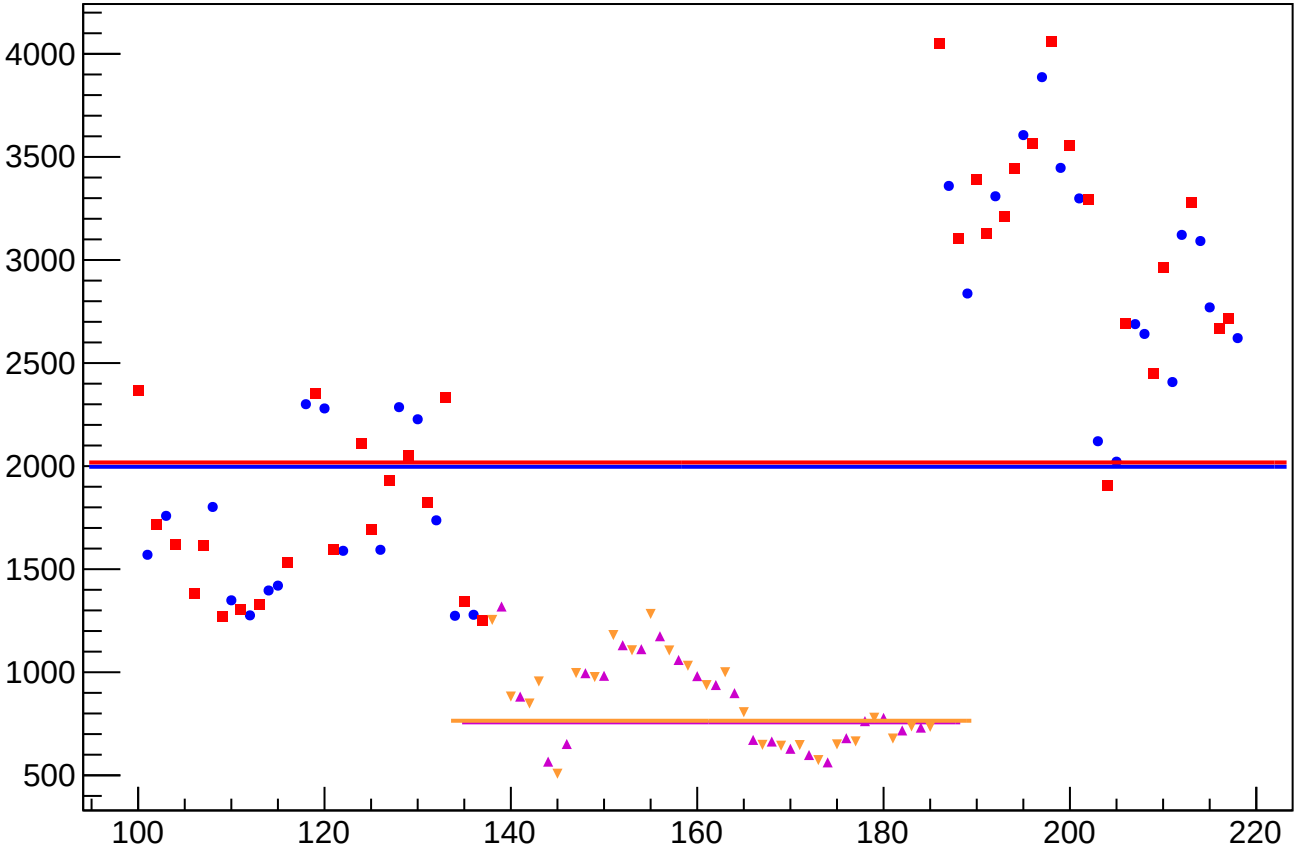
Left In: -113.680+/-183.125 χ^2/NDF:26.3/22

+ sign -913.788+/-168.155 χ^2/NDF: 126.1/56

All: -635.957+/-119.855 χ^2/NDF: 211.7/115

- sign -349.054+/-170.879 χ^2/NDF: 80.1/58

asym_sam3_eigen_dit_correction_rms vs Slug



Right In: 1996.895+/-0.335 χ^2/NDF: 4402015.6/31

Left Out: 764.734+/-0.127 χ^2/NDF:2425549.9/24

Right Out: 2017.832+/-0.336 χ^2/NDF: 5048253.6/35

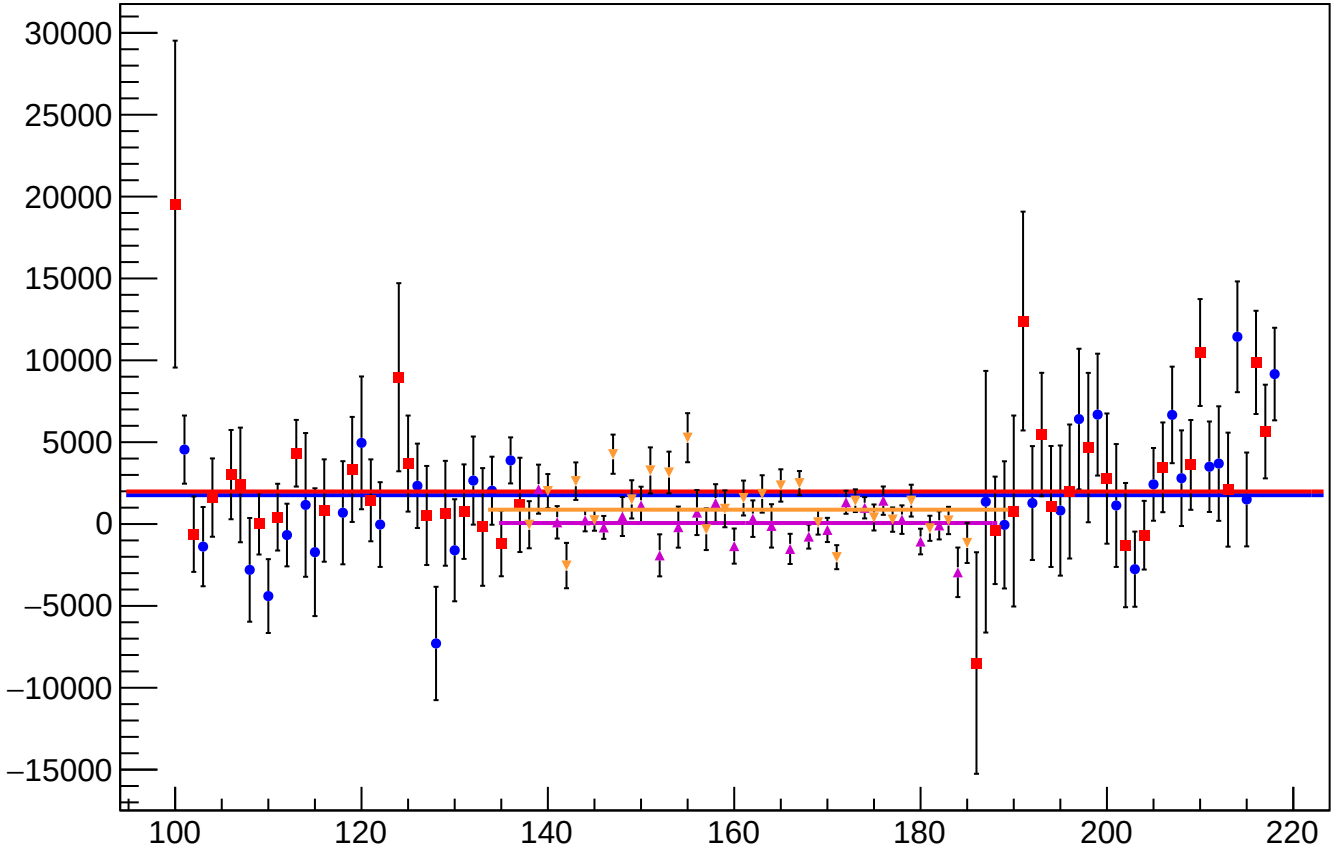
Left In: 756.926+/-0.129 χ^2/NDF:2115275.0/22

+ sign 920.325+/-0.119 χ^2/NDF: 18675340.7/56

All: 920.132+/-0.085 χ^2/NDF: 38096925.8/11

- sign 919.933+/-0.121 χ^2/NDF: 19421579.8/58

asym_sam3_mean vs Slug



Right In: 1762.929+/-487.461 χ^2/NDF: 53.0/31

Left Out: 876.482+/-188.998 χ^2/NDF:67.3/24

Right Out: 1987.606+/-495.400 χ^2/NDF: 37.6/35

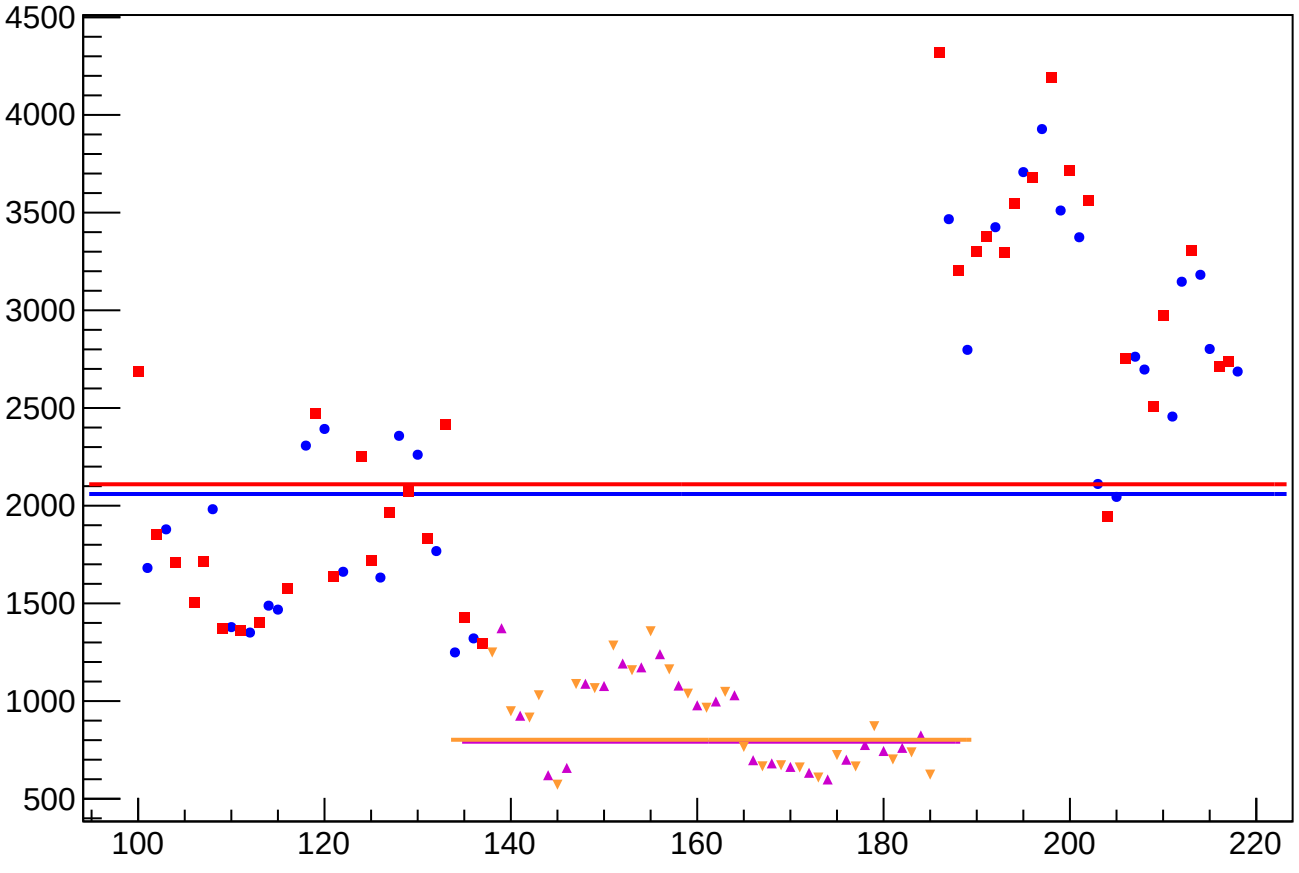
Left In: 62.754+/-191.596 χ^2/NDF:27.1/22

+ sign 992.325+/-176.217 χ^2/NDF: 123.1/56

All: 657.511+/-125.472 χ^2/NDF: 208.3/115

- sign 313.205+/-178.697 χ^2/NDF: 77.9/58

asym_sam3_rms vs Slug



Right In: 2059.807+/-0.345 χ^2/NDF: 4256669.5/31

Left Out: 802.014+/-0.134 χ^2/NDF:2396024.4/24

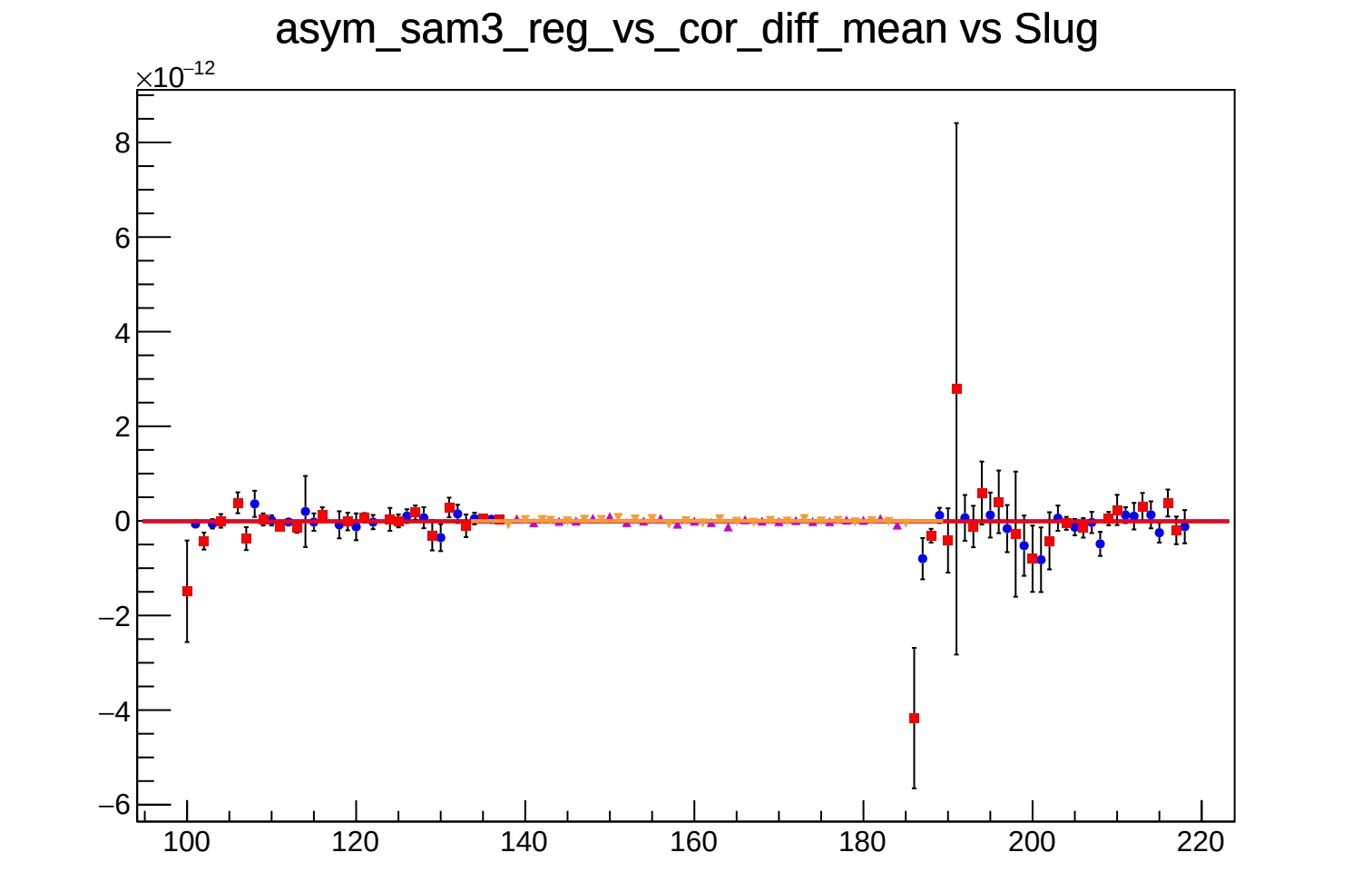
Right Out: 2109.656+/-0.350 χ^2/NDF: 4783420.3/35

Left In: 792.060+/-0.135 χ^2/NDF:2135575.6/22

+ sign 966.385+/-0.125 χ^2/NDF: 18228406.7/56

All: 964.962+/-0.089 χ^2/NDF: 37454465.6/11

- sign 963.498+/-0.126 χ^2/NDF: 19225794.3/58



Right In: -0.000+/-0.000 χ^2/NDF: 19.8/31

Left Out: -0.000+/-0.000 χ^2/NDF:24.0/24

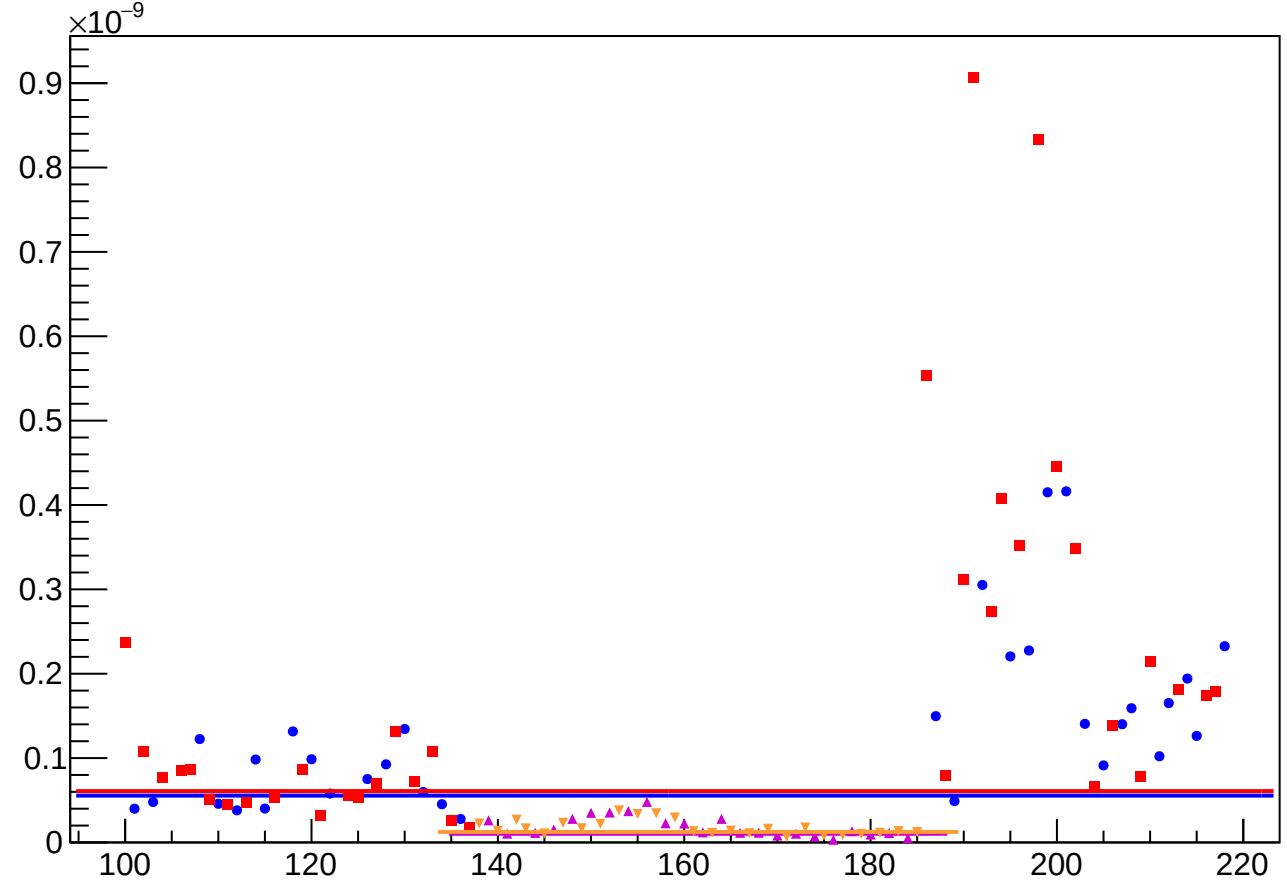
Right Out: -0.000+/-0.000 χ^2/NDF: 43.9/35

Left In: -0.000+/-0.000 χ^2/NDF:31.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 43.8/56

All: -0.000+/-0.000 χ^2/NDF: 119.8/115

- sign -0.000+/-0.000 χ^2/NDF: 75.5/58



Right In: 0.000+/-0.000 χ^2/NDF: 6498808.7/31

Left Out: 0.000+/-0.000 χ^2/NDF:2214354.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7280439.5/35

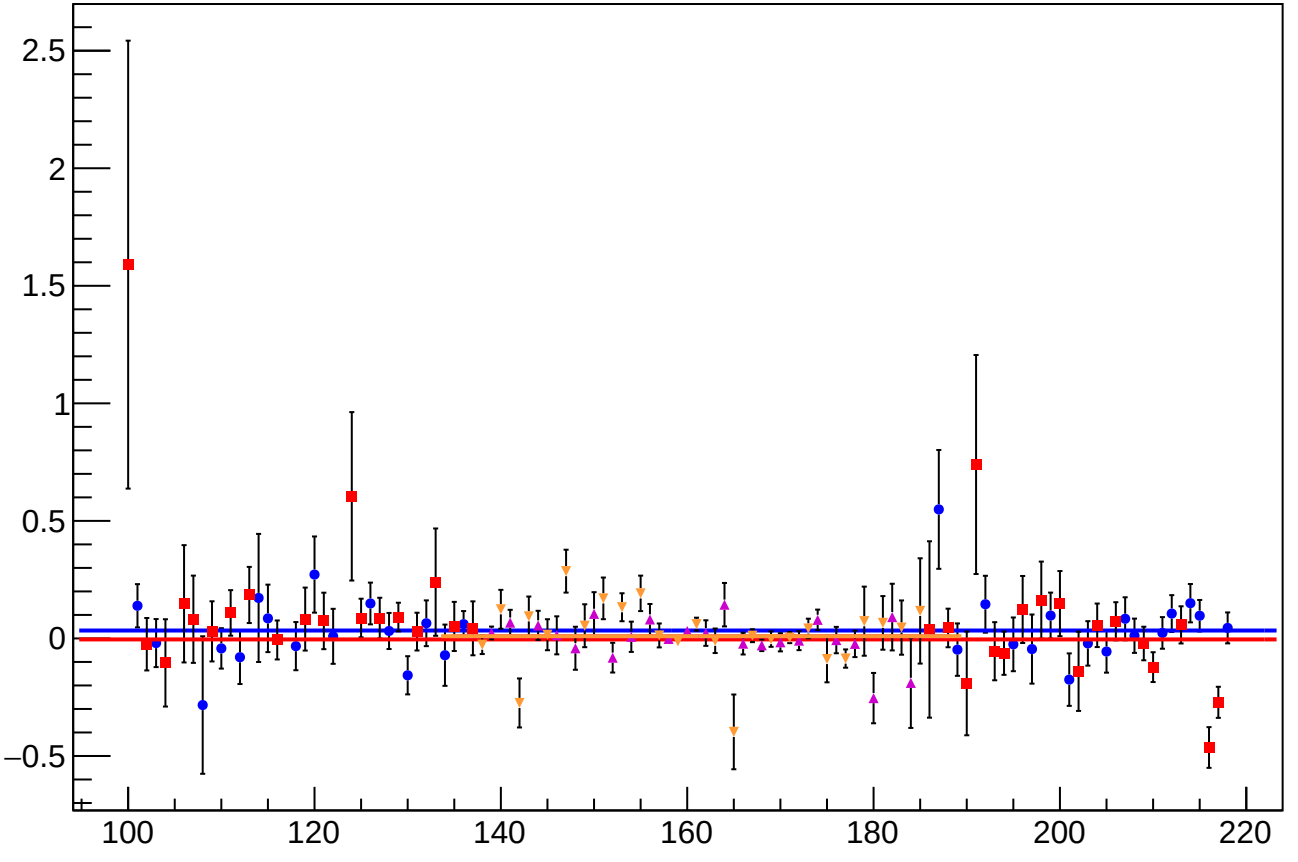
Left In: 0.000+/-0.000 χ^2/NDF:3679061.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 14315455.9/56

All: 0.000+/-0.000 χ^2/NDF: 32094146.5/115

- sign 0.000+/-0.000 χ^2/NDF: 17543908.5/58

asym_sam3_dit_vs_cor_diff_mean vs Slug



Right In: 0.034+/-0.017 χ^2/NDF: 31.3/31

Left Out: 0.010+/-0.008 χ^2/NDF:54.6/24

Right Out: -0.004+/-0.017 χ^2/NDF: 75.9/35

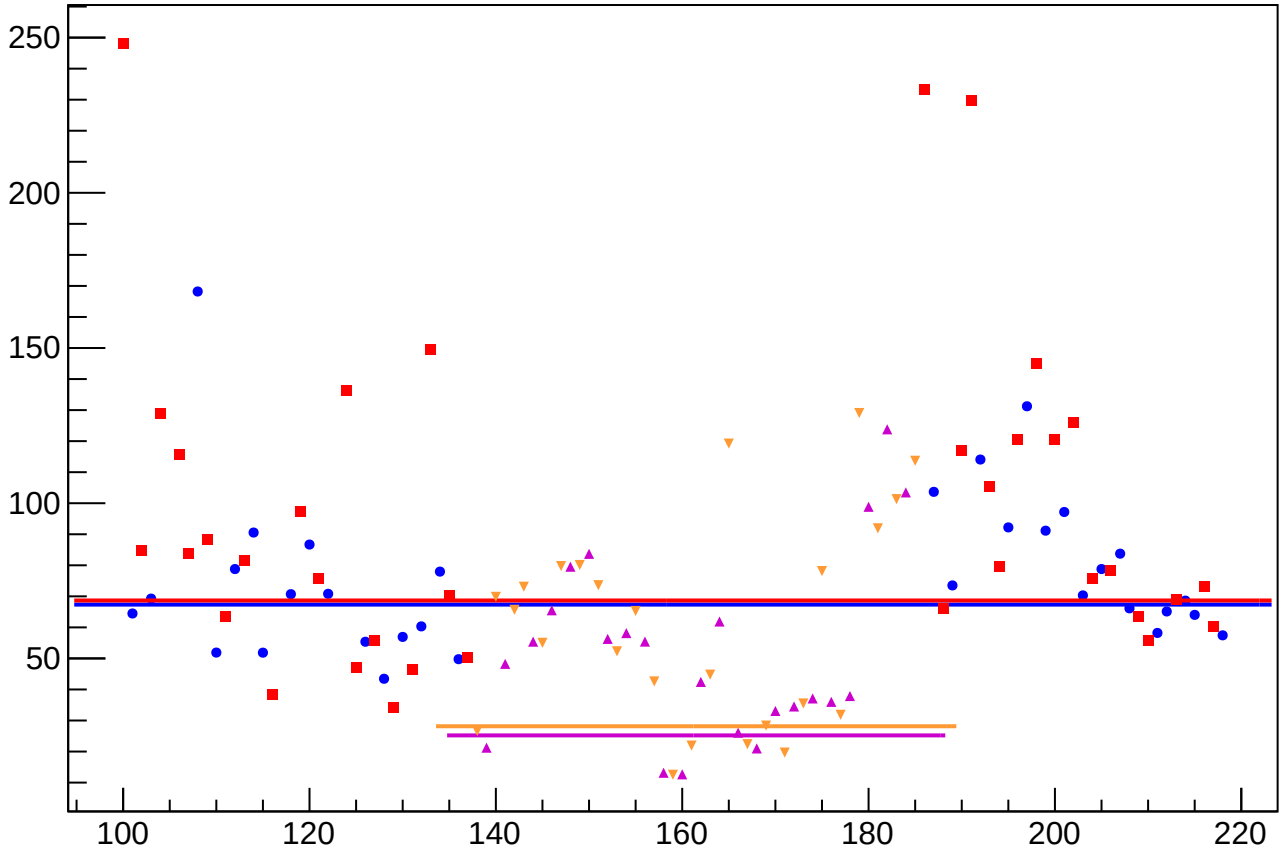
Left In: 0.009+/-0.008 χ^2/NDF:25.2/22

+ sign 0.015+/-0.008 χ^2/NDF: 87.6/56

All: 0.011+/-0.005 χ^2/NDF: 189.7/115

- sign 0.007+/-0.007 χ^2/NDF: 101.6/58

asym_sam3_dit_vs_cor_diff_rms vs Slug



Right In: 67.345+/-0.012 χ^2/NDF: 2150793.8/31

Left Out: 28.151+/-0.006 χ^2/NDF:11070747.0/24

Right Out: 68.667+/-0.012 χ^2/NDF: 4505689.5/35

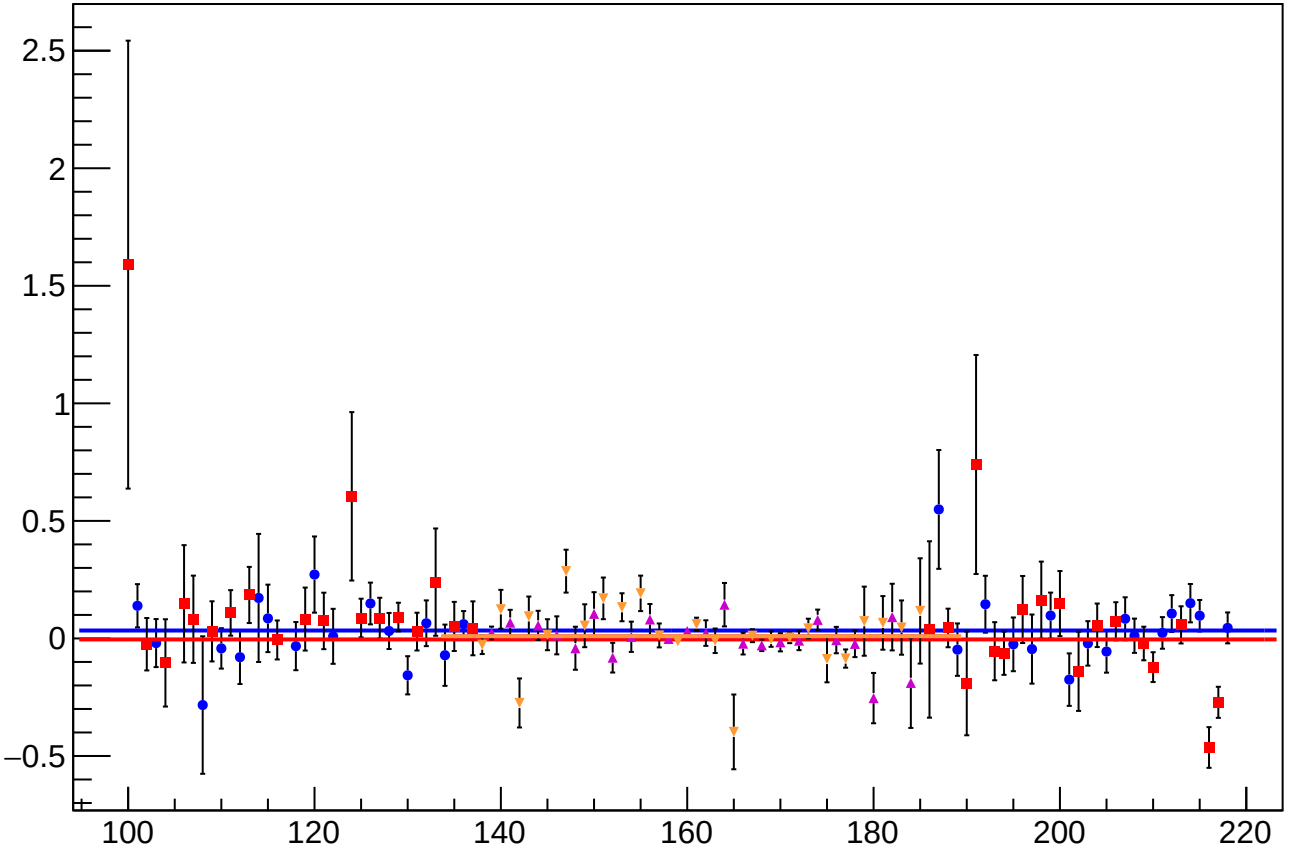
Left In: 25.206+/-0.006 χ^2/NDF:9964049.2/22

+ sign 36.260+/-0.005 χ^2/NDF: 22106825.6/56

All: 34.421+/-0.004 χ^2/NDF: 47233702.9/115

- sign 32.739+/-0.005 χ^2/NDF: 24898730.8/58

asym_sam3_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.034+/-0.017 χ^2/NDF: 31.3/31

Left Out: 0.010+/-0.008 χ^2/NDF:54.6/24

Right Out: -0.004+/-0.017 χ^2/NDF: 75.9/35

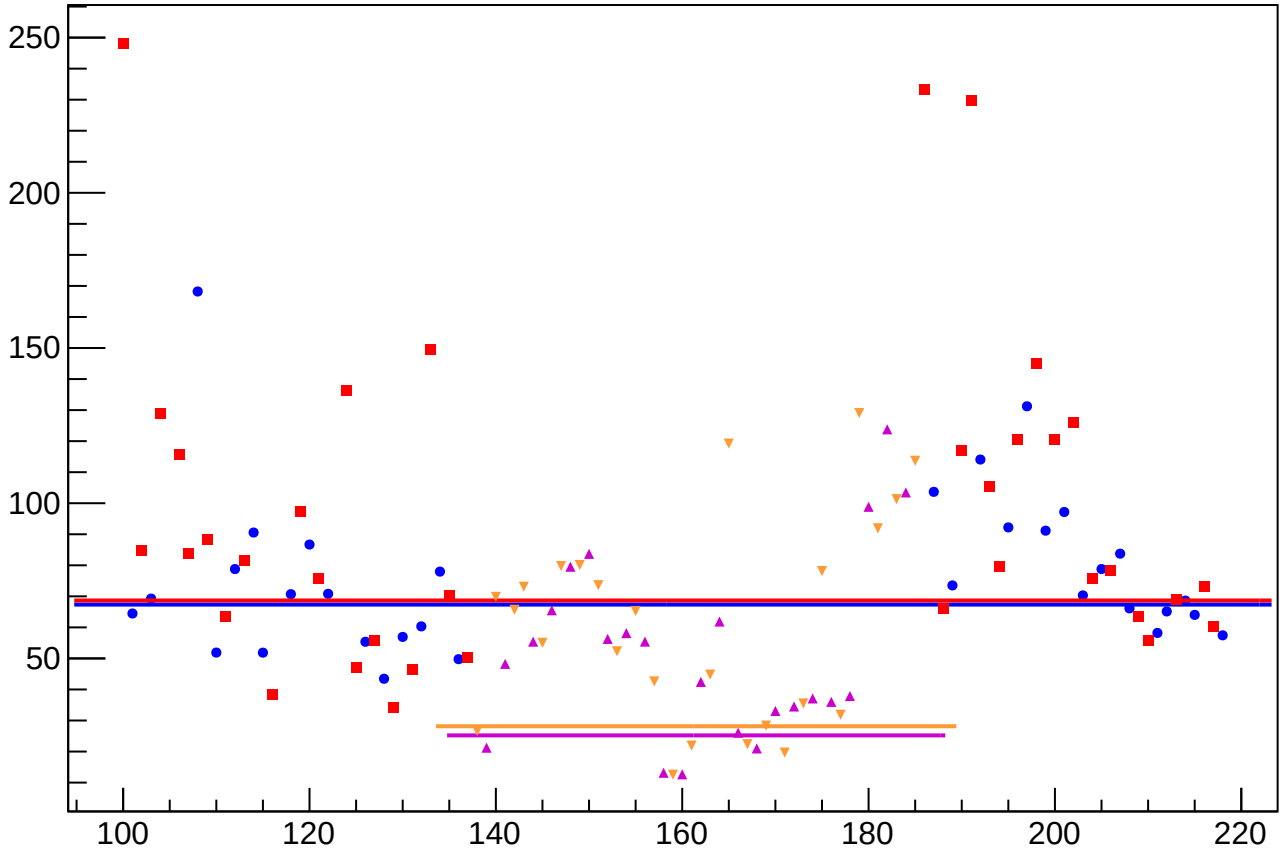
Left In: 0.009+/-0.008 χ^2/NDF:25.2/22

+ sign 0.015+/-0.008 χ^2/NDF: 87.6/56

All: 0.011+/-0.005 χ^2/NDF: 189.7/115

- sign 0.007+/-0.007 χ^2/NDF: 101.6/58

asym_sam3_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 67.345+/-0.012 χ^2/NDF: 2150793.8/31

Left Out: 28.151+/-0.006 χ^2/NDF:11070747.0/24

Right Out: 68.667+/-0.012 χ^2/NDF: 4505689.5/35

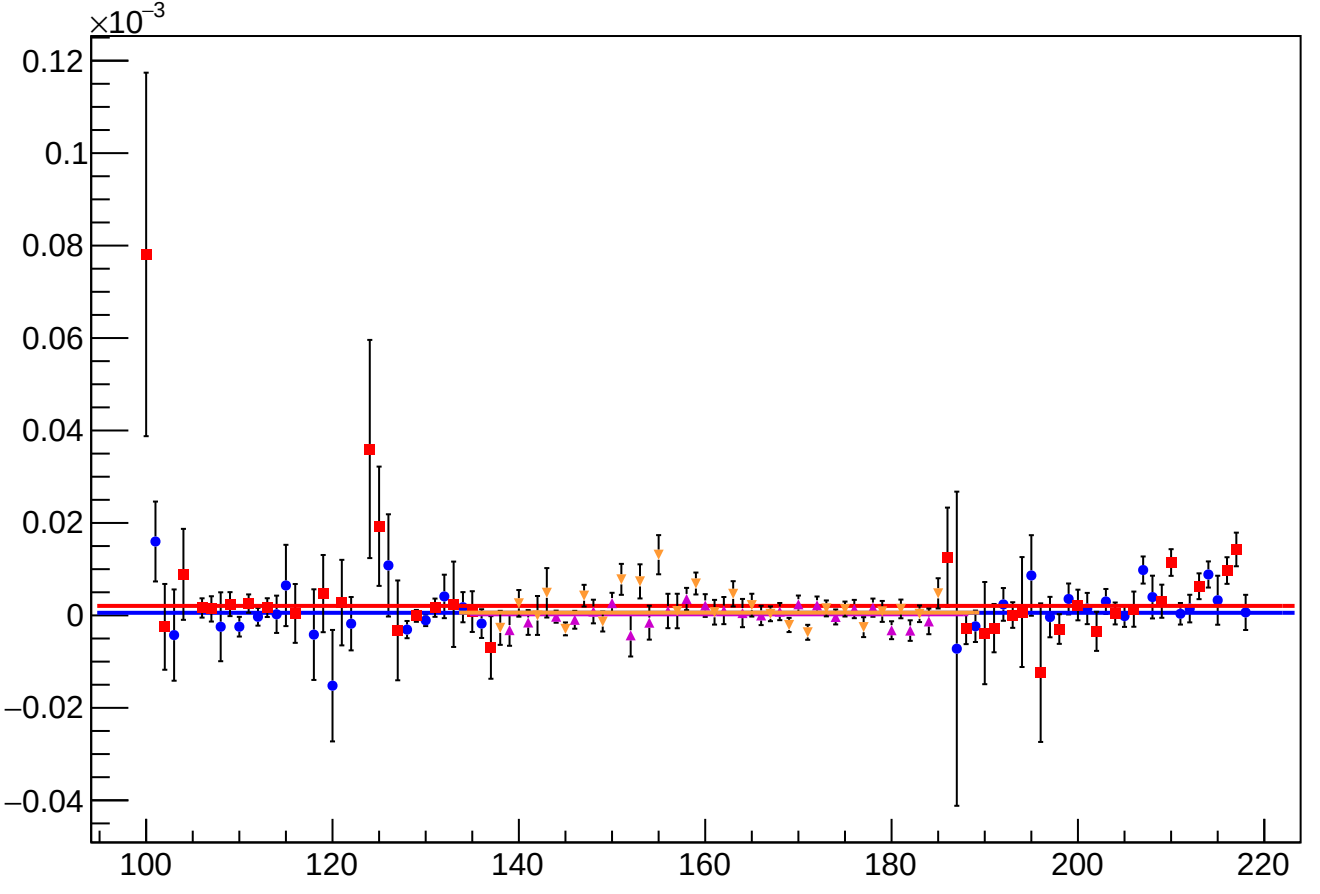
Left In: 25.206+/-0.006 χ^2/NDF:9964049.2/22

+ sign 36.260+/-0.005 χ^2/NDF: 22106825.6/56

All: 34.421+/-0.004 χ^2/NDF: 47233702.9/115

- sign 32.739+/-0.005 χ^2/NDF: 24898730.8/58

asym_sam3_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 39.2/31

Left Out: 0.000+/-0.000 χ^2/NDF:52.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 55.4/35

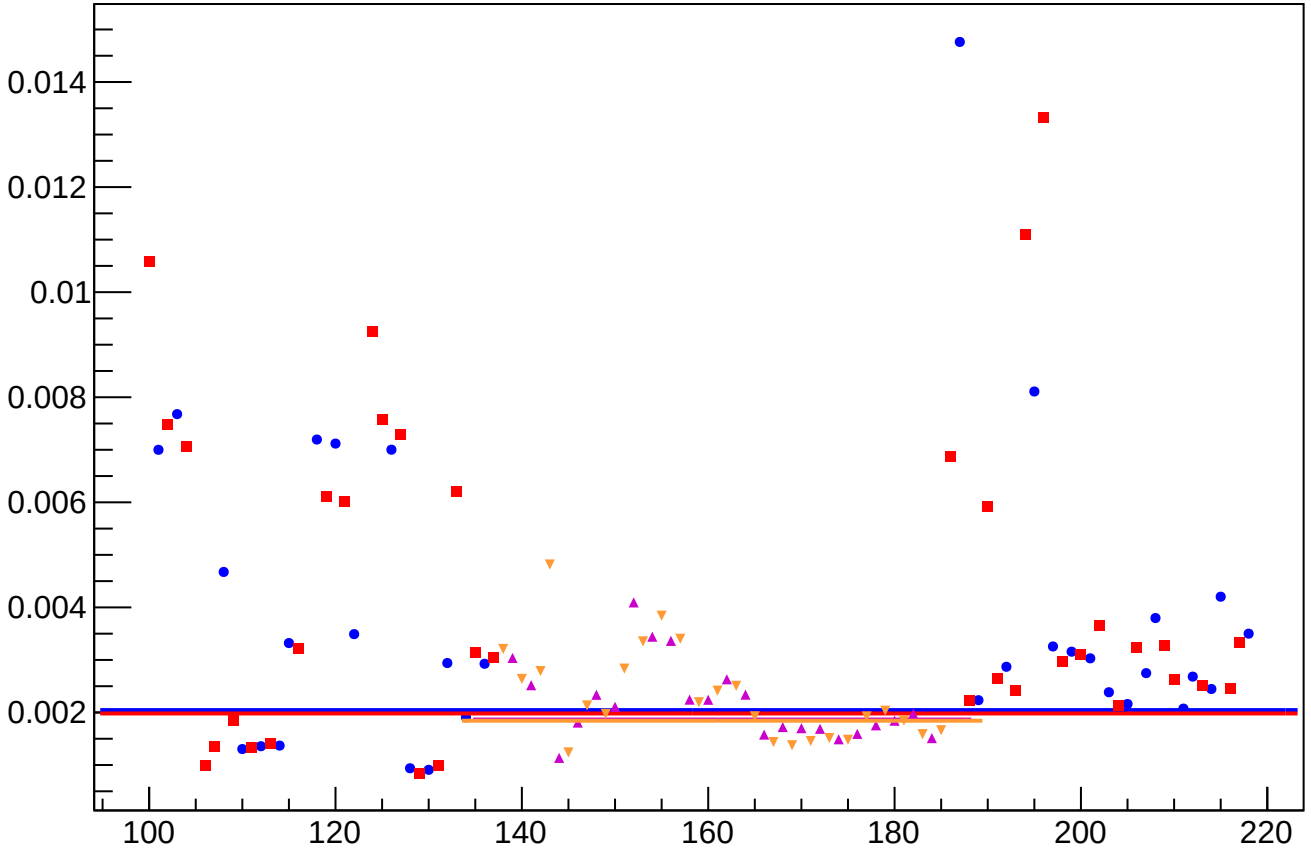
Left In: 0.000+/-0.000 χ^2/NDF:16.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 91.5/56

All: 0.000+/-0.000 χ^2/NDF: 170.5/115

- sign 0.000+/-0.000 χ^2/NDF: 78.3/58

asym_sam3_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 9284543.3/31

Left Out: 0.002+/-0.000 χ^2/NDF:3783185.4/24

Right Out: 0.002+/-0.000 χ^2/NDF: 11795662.0/35

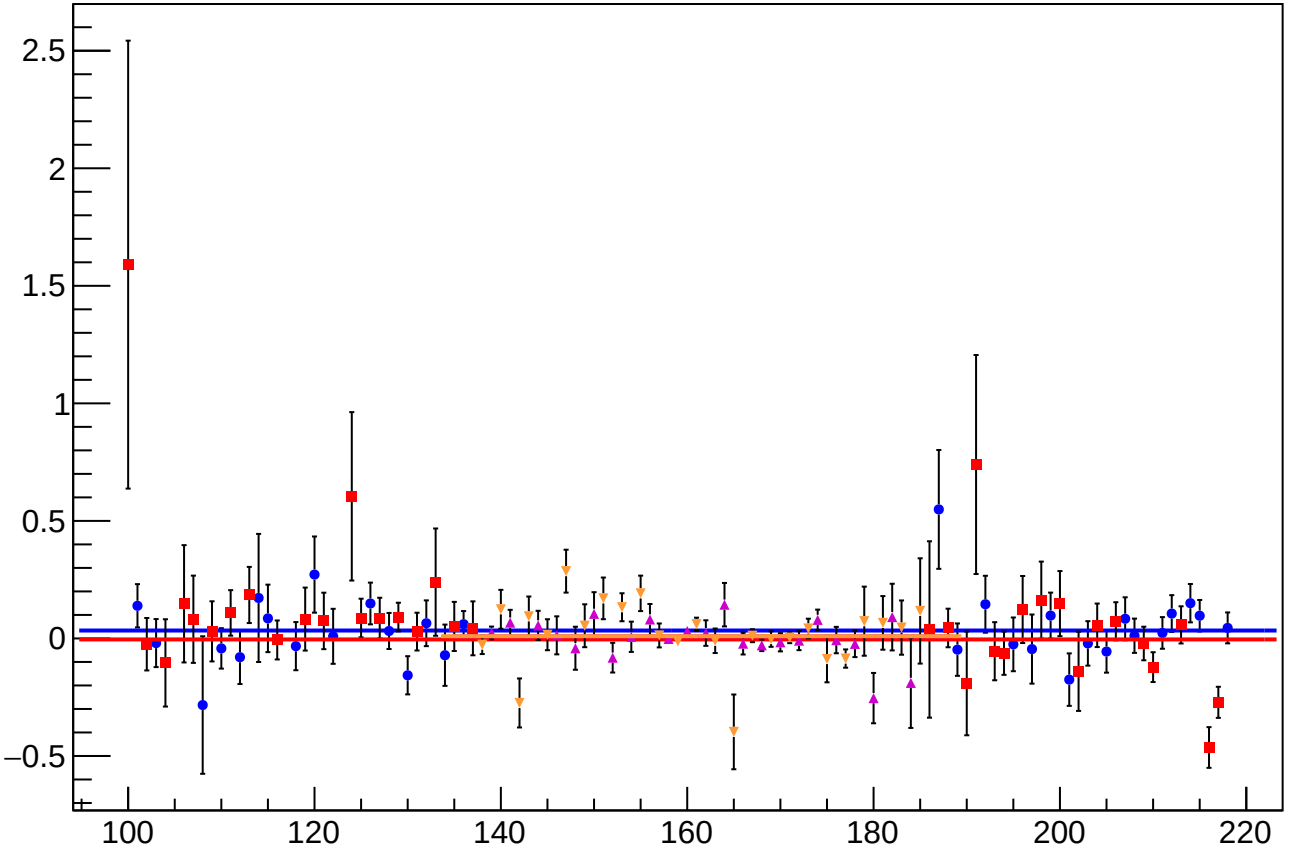
Left In: 0.002+/-0.000 χ^2/NDF:2794135.0/22

+ sign 0.002+/-0.000 χ^2/NDF: 13229394.5/56

All: 0.002+/-0.000 χ^2/NDF: 27872861.5/115

- sign 0.002+/-0.000 χ^2/NDF: 14642761.3/58

asym_sam3_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.034+/-0.017 χ^2/NDF: 31.3/31

Left Out: 0.010+/-0.008 χ^2/NDF:54.6/24

Right Out: -0.004+/-0.017 χ^2/NDF: 75.8/35

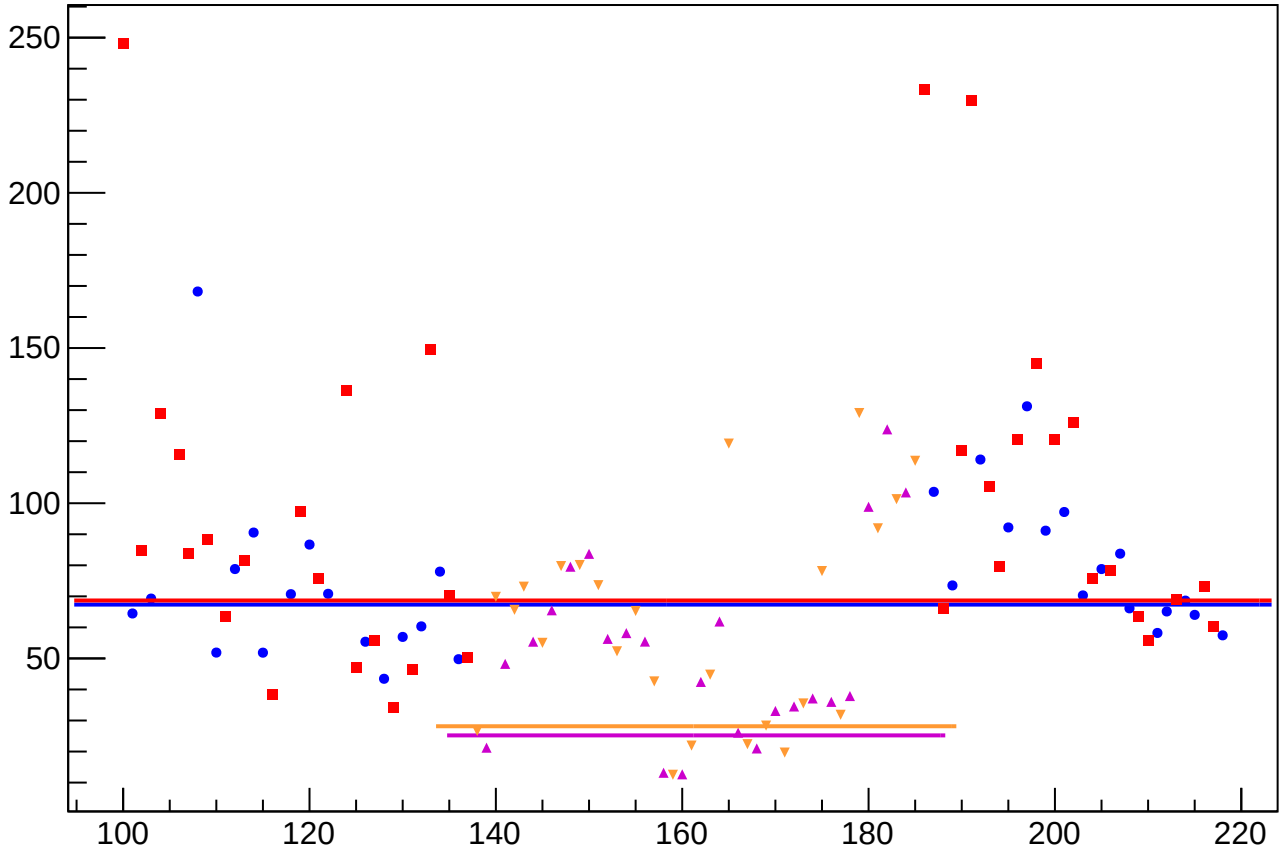
Left In: 0.009+/-0.008 χ^2/NDF:25.2/22

+ sign 0.015+/-0.008 χ^2/NDF: 87.6/56

All: 0.011+/-0.005 χ^2/NDF: 189.7/115

- sign 0.007+/-0.007 χ^2/NDF: 101.6/58

asym_sam3_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 67.345+/-0.012 χ^2/NDF: 2150785.2/31

Left Out: 28.150+/-0.006 χ^2/NDF:11071818.3/24

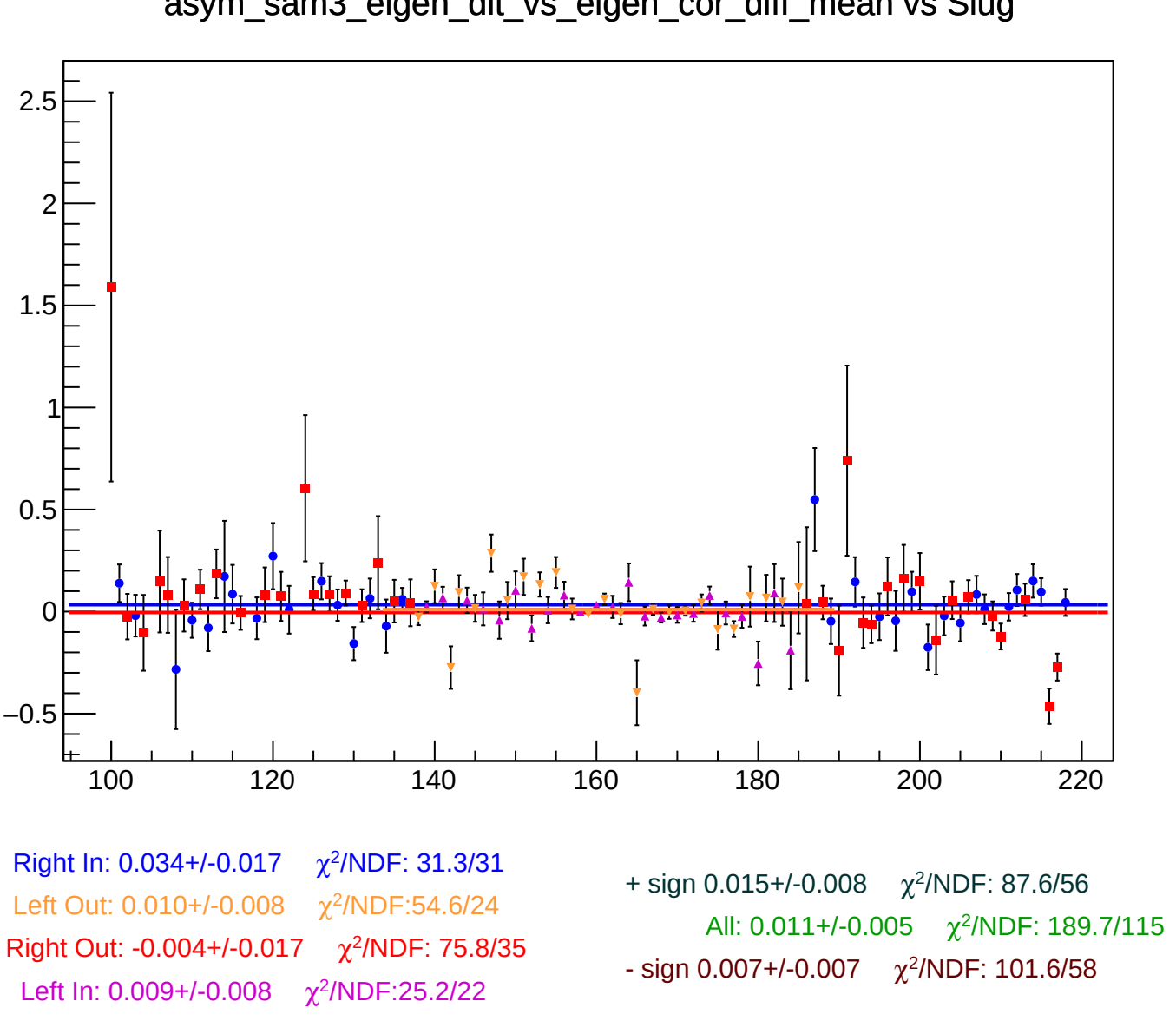
Right Out: 68.668+/-0.012 χ^2/NDF: 4505746.7/35

Left In: 25.205+/-0.006 χ^2/NDF:9964548.1/22

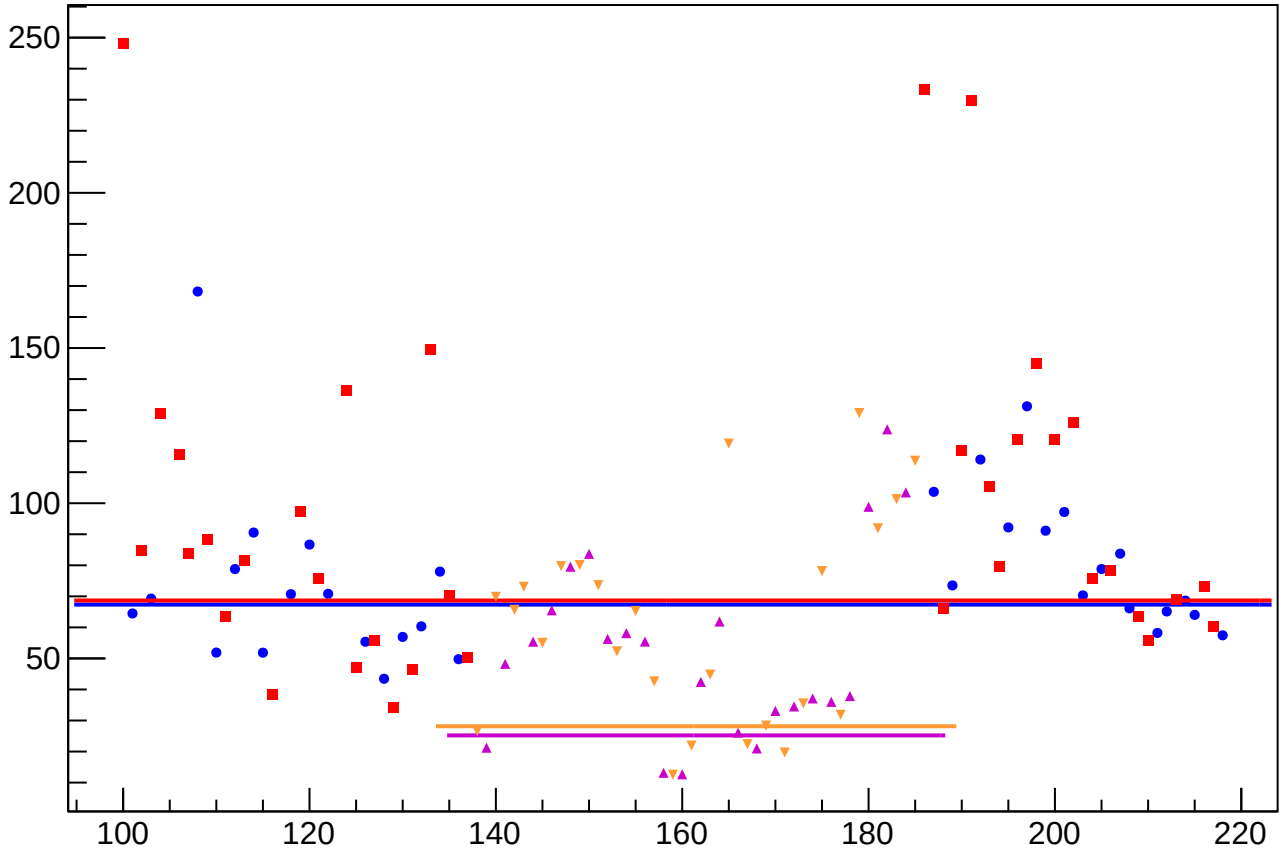
+ sign 36.258+/-0.005 χ^2/NDF: 22108624.8/56

All: 34.420+/-0.004 χ^2/NDF: 47236333.7/115

- sign 32.739+/-0.005 χ^2/NDF: 24899667.8/58


asym_sam3_eigen_dit_vs_eigen_cor_diff_mean vs Slug
2.5
2
1.5
1
0.5
0
−0.5
100
120
140
160
180
200
220
Right In: 0.034+/-0.017 χ²/NDF: 31.3/31
Left Out: 0.010+/-0.008 χ²/NDF:54.6/24
Right Out: -0.004+/-0.017 χ²/NDF: 75.8/35
Left In: 0.009+/-0.008 χ²/NDF:25.2/22
+ sign 0.015+/-0.008 χ²/NDF: 87.6/56
All: 0.011+/-0.005 χ²/NDF: 189.7/115
- sign 0.007+/-0.007 χ²/NDF: 101.6/58

asym_sam3_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 67.345+/-0.012 χ^2/NDF: 2150785.2/31

Left Out: 28.150+/-0.006 χ^2/NDF:11071818.3/24

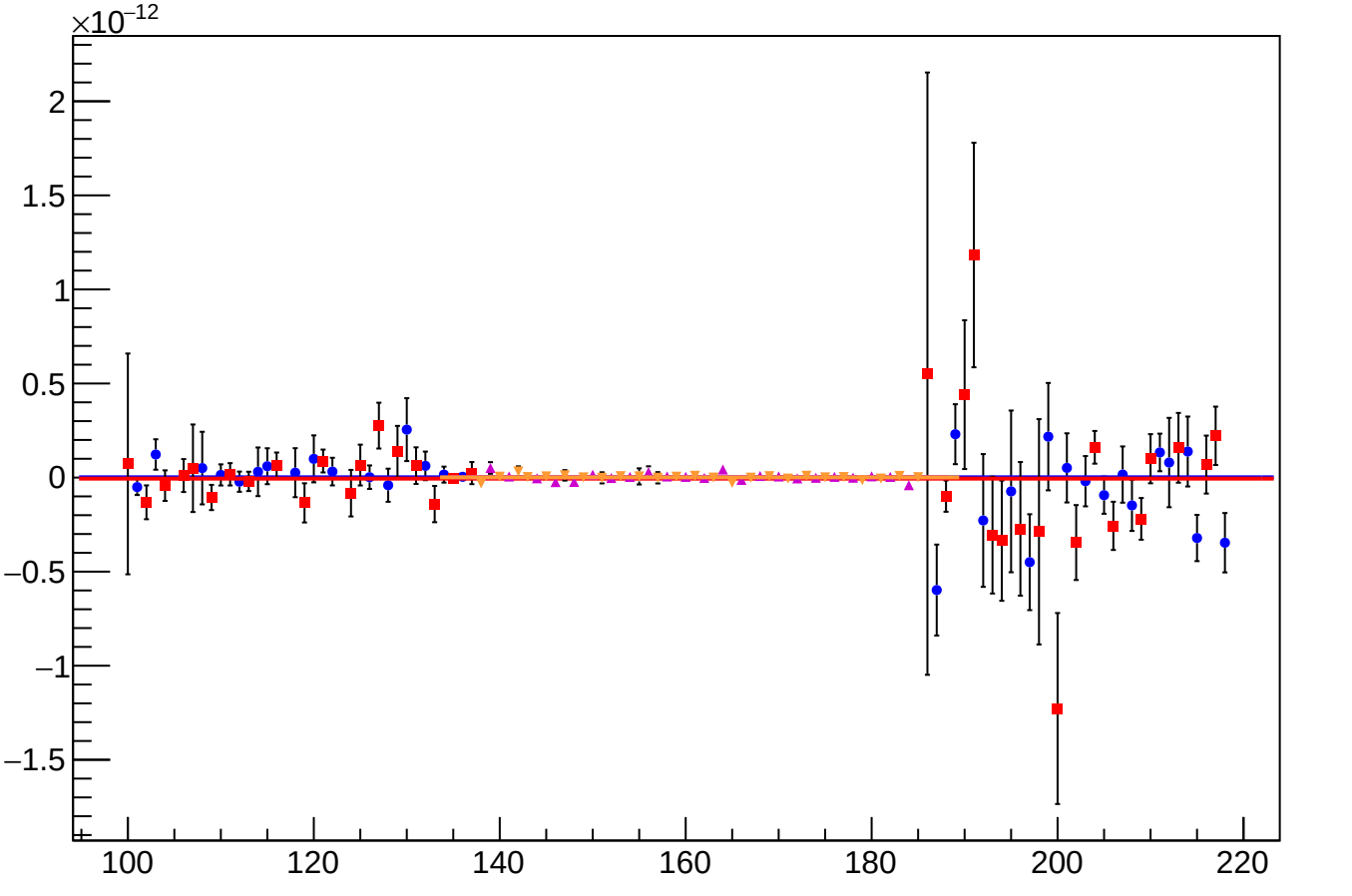
Right Out: 68.668+/-0.012 χ^2/NDF: 4505746.7/35

Left In: 25.205+/-0.006 χ^2/NDF:9964548.1/22

+ sign 36.258+/-0.005 χ^2/NDF: 22108624.8/56

All: 34.420+/-0.004 χ^2/NDF: 47236333.7/115

- sign 32.739+/-0.005 χ^2/NDF: 24899667.8/58



Right In: 0.000+/-0.000 χ^2/NDF: 37.4/31

Left Out: 0.000+/-0.000 χ^2/NDF:11.3/24

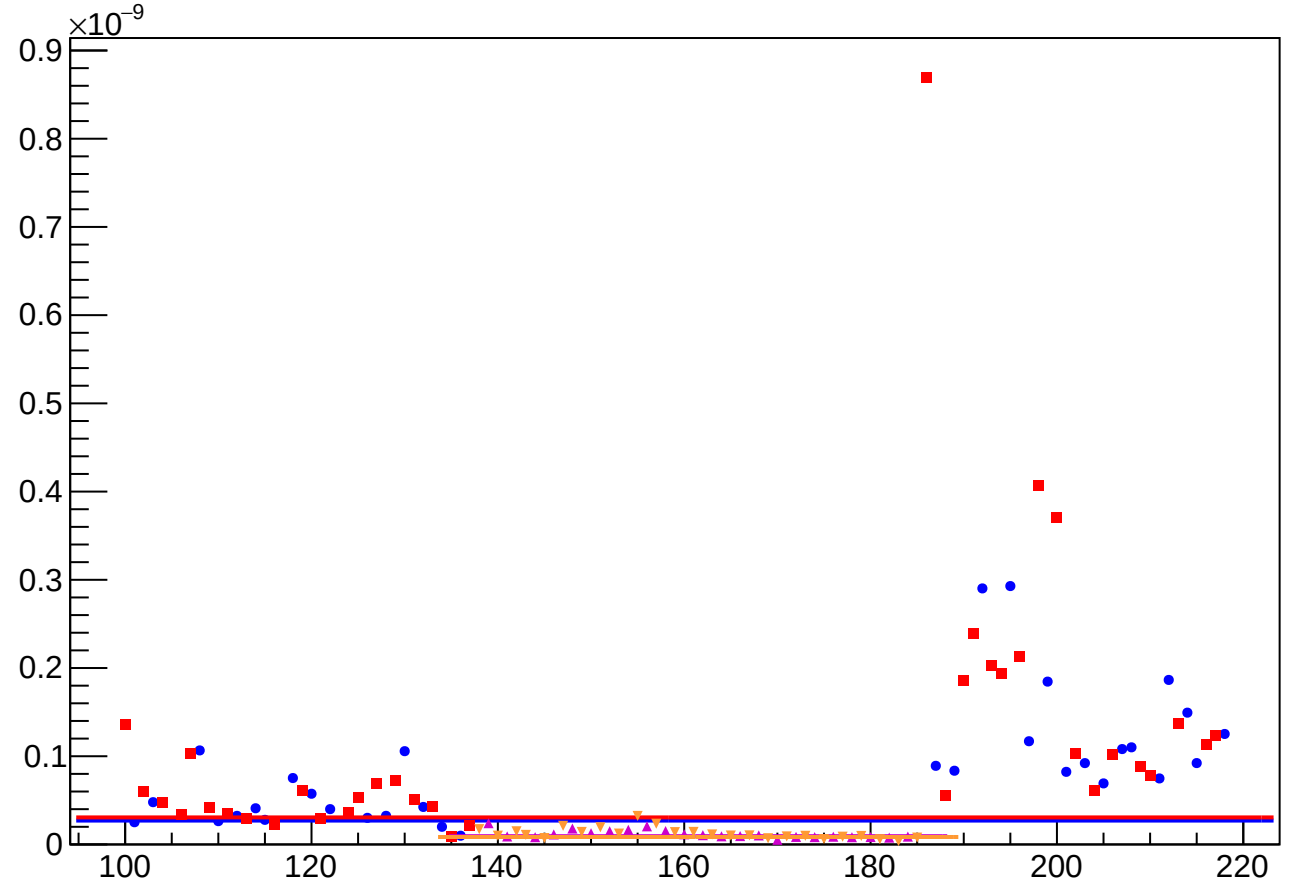
Right Out: -0.000+/-0.000 χ^2/NDF: 52.9/35

Left In: 0.000+/-0.000 χ^2/NDF:20.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 48.7/56

All: 0.000+/-0.000 χ^2/NDF: 122.7/115

- sign 0.000+/-0.000 χ^2/NDF: 74.0/58



Right In: 0.000+/-0.000 χ^2/NDF: 12817824.4/31

Left Out: 0.000+/-0.000 χ^2/NDF:4343727.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 12686837.8/35

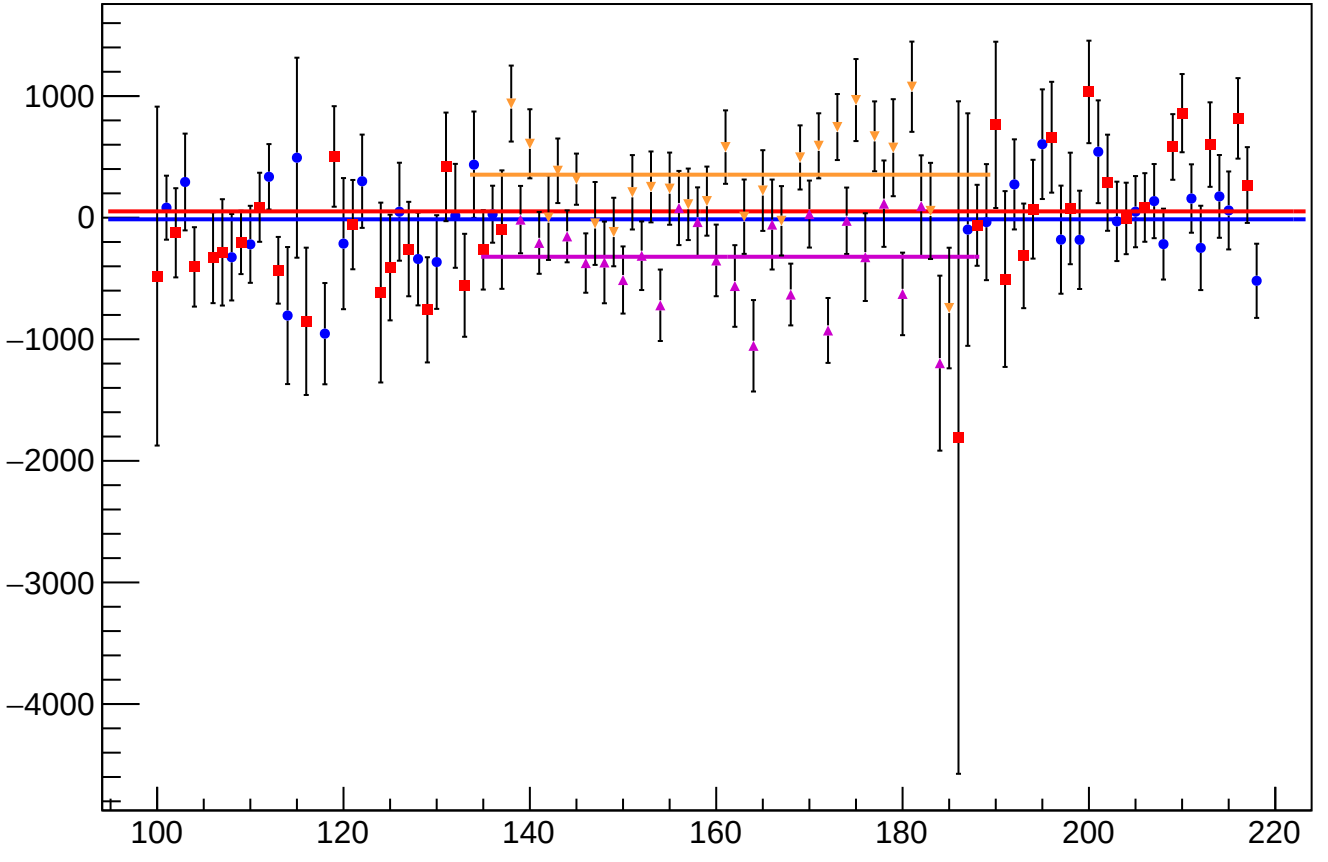
Left In: 0.000+/-0.000 χ^2/NDF:2146041.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 22030610.6/56

All: 0.000+/-0.000 χ^2/NDF: 42259743.2/115

- sign 0.000+/-0.000 χ^2/NDF: 20093396.3/58

reg_asym_sam4_mean vs Slug



Right In: -13.448+/-63.262 χ^2/NDF: 23.8/31

Left Out: 353.617+/-60.149 χ^2/NDF:32.3/24

Right Out: 51.788+/-63.133 χ^2/NDF: 50.5/35

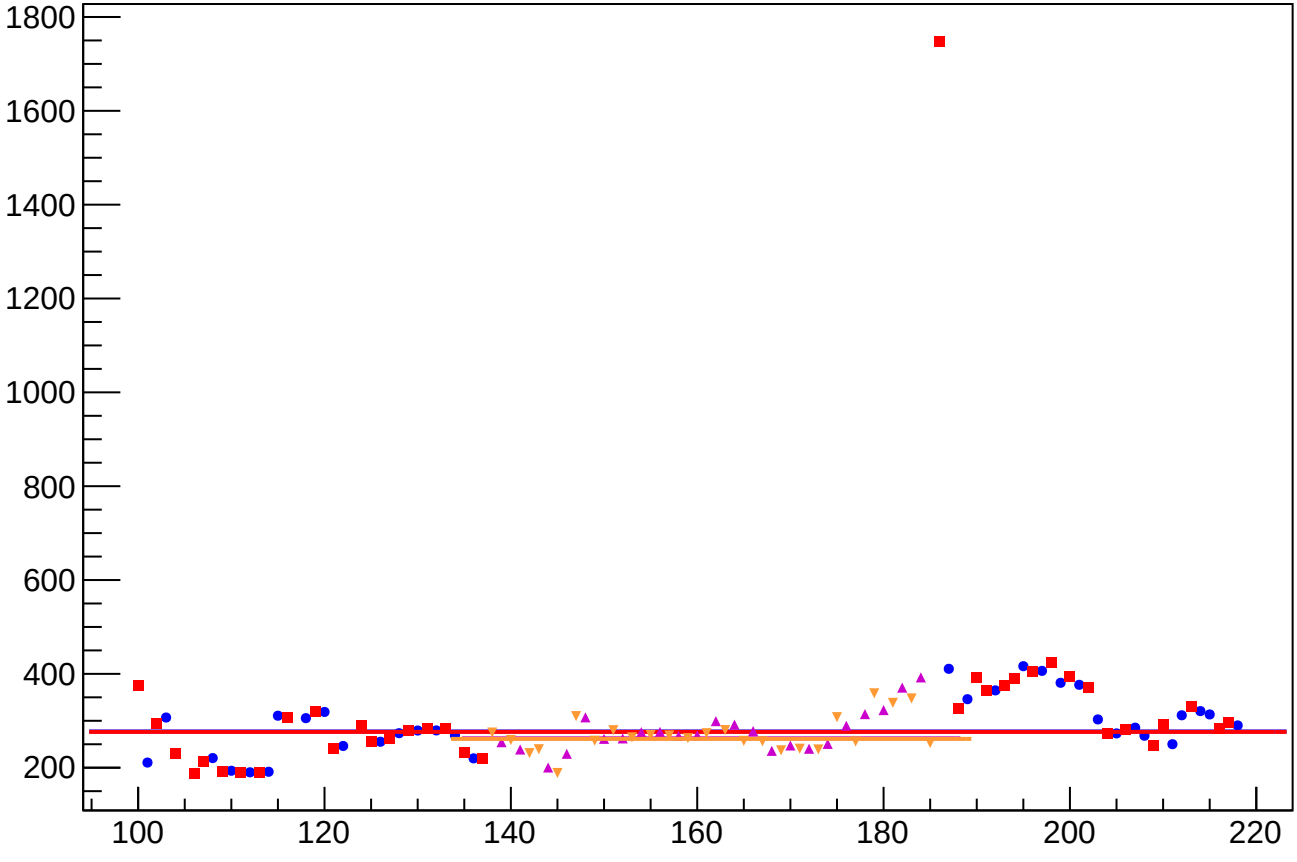
Left In: -321.510+/-62.113 χ^2/NDF:26.2/22

+ sign 179.337+/-43.591 χ^2/NDF: 73.8/56

All: 23.196+/-31.063 χ^2/NDF: 194.4/115

- sign -137.901+/-44.277 χ^2/NDF: 94.5/58

reg_asym_sam4_rms vs Slug



Right In: 277.224+/-0.045 χ^2/NDF: 1658821.2/31

Left Out: 261.470+/-0.043 χ^2/NDF:715467.9/24

Right Out: 276.386+/-0.045 χ^2/NDF: 2610168.2/35

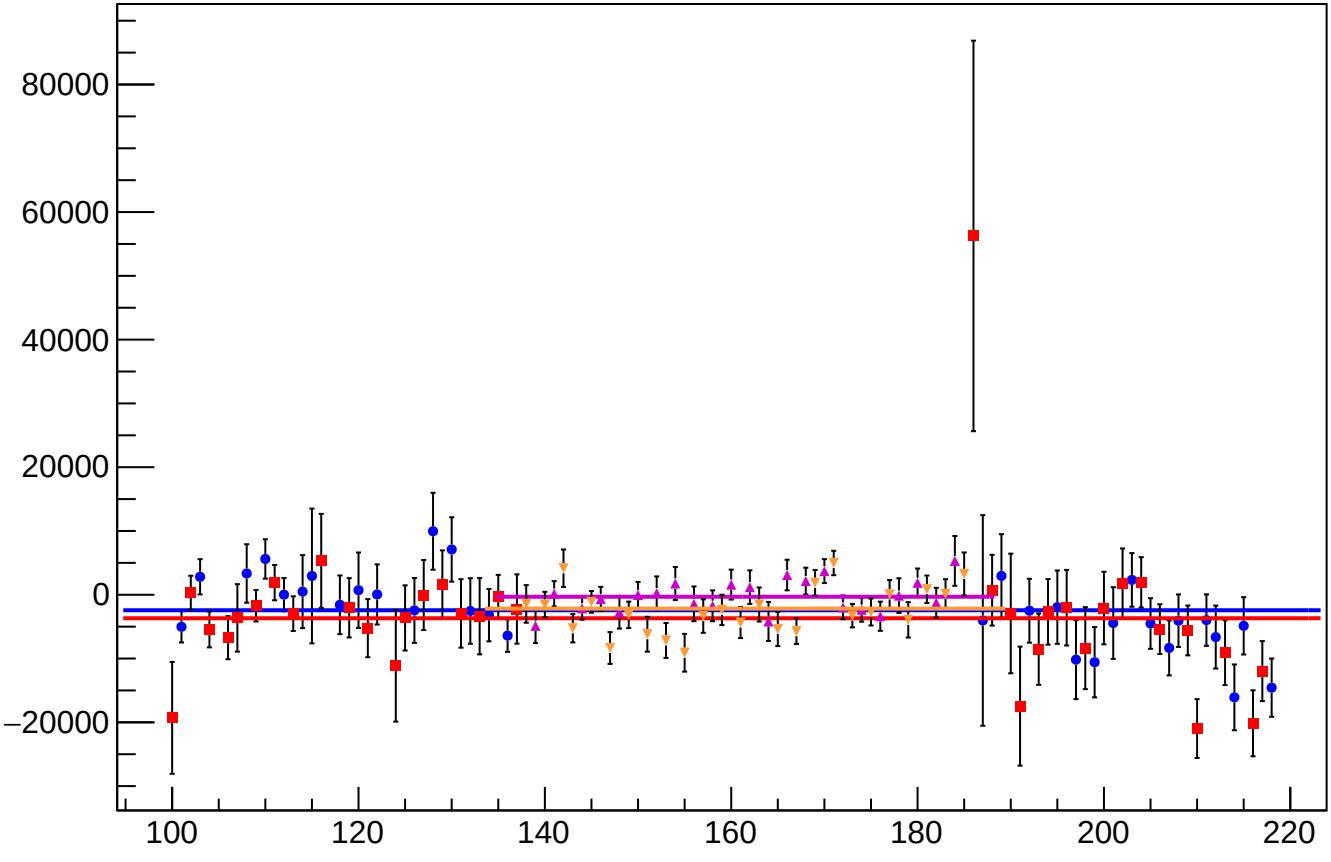
Left In: 262.616+/-0.044 χ^2/NDF:670646.3/22

+ sign 268.950+/-0.031 χ^2/NDF: 2439434.8/56

All: 269.166+/-0.022 χ^2/NDF: 5768694.2/115

- sign 269.389+/-0.031 χ^2/NDF: 3329159.6/58

asym_sam4_reg_correction_mean vs Slug



Right In: -2428.909+/-751.145 χ^2/NDF: 48.7/31

Left Out: -2171.840+/-461.649 χ^2/NDF:55.5/24

Right Out: -3682.423+/-733.747 χ^2/NDF: 56.5/35

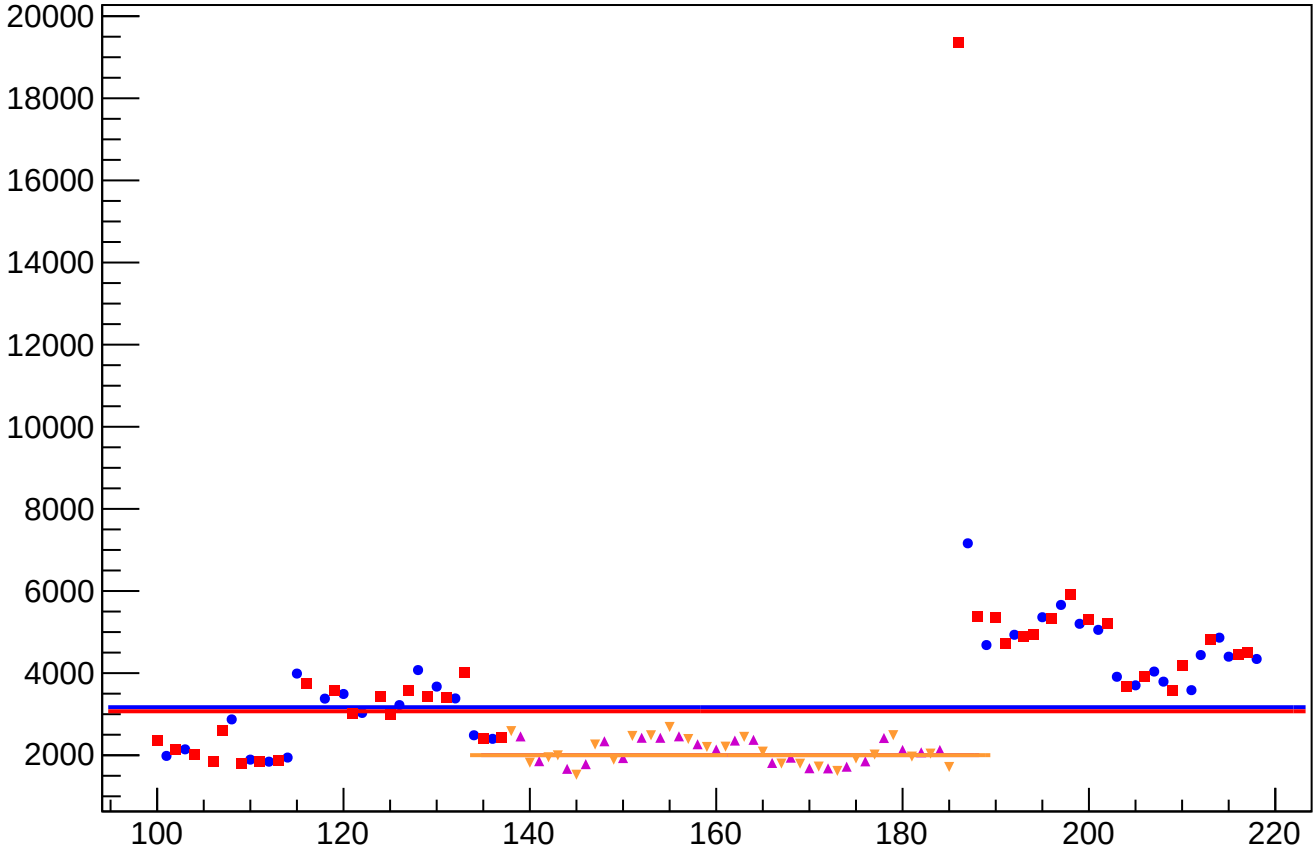
Left In: -313.739+/-474.086 χ^2/NDF:23.7/22

+ sign -2242.320+/-393.306 χ^2/NDF: 104.3/56

All: -1779.884+/-279.823 χ^2/NDF: 202.1/115

- sign -1305.870+/-398.199 χ^2/NDF: 95.0/58

asym_sam4_reg_correction_rms vs Slug



Right In: 3169.837+/-0.531 χ^2/NDF: 4493127.1/31

Left Out: 2002.229+/-0.326 χ^2/NDF:892707.2/24

Right Out: 3070.747+/-0.519 χ^2/NDF: 6082829.6/35

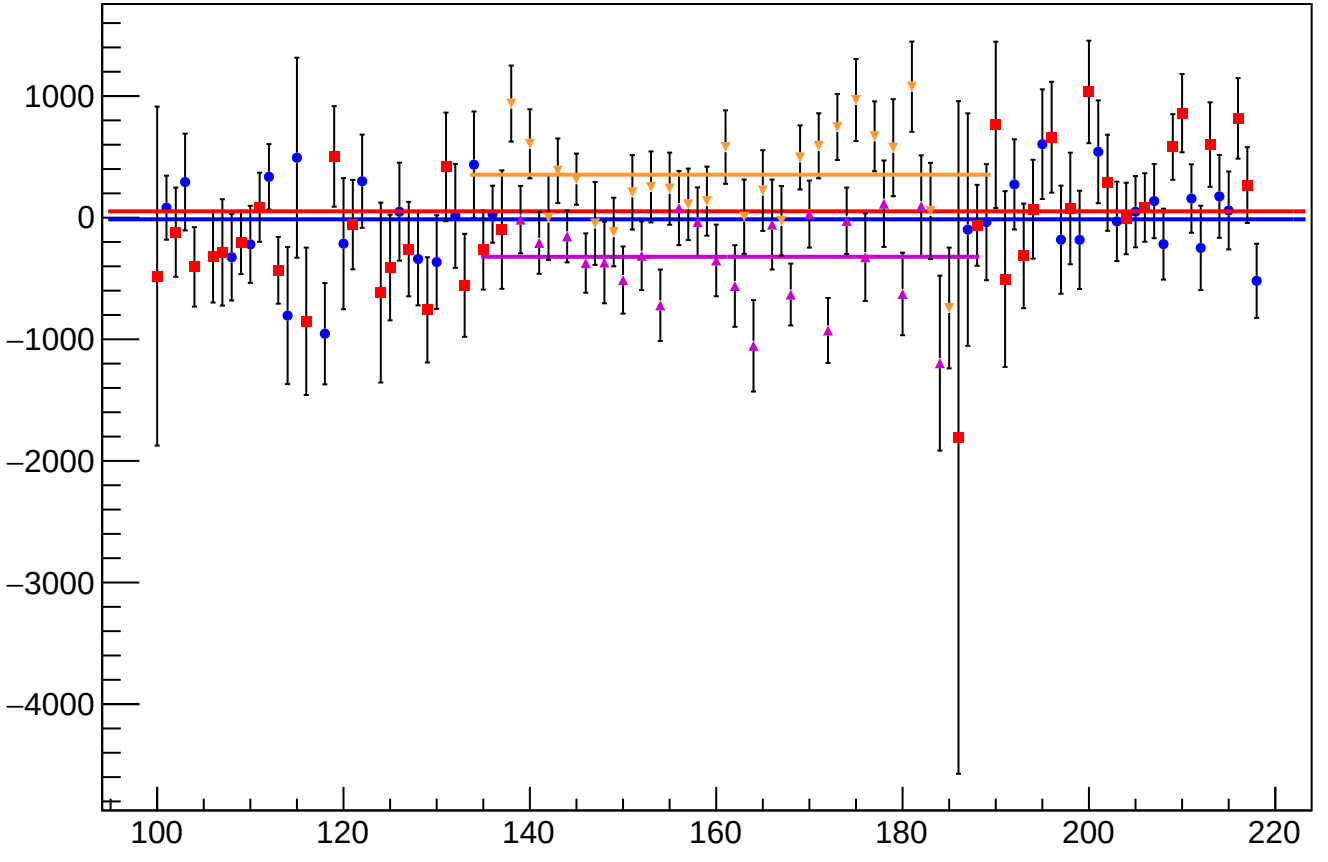
Left In: 2004.244+/-0.335 χ^2/NDF:704919.9/22

+ sign 2322.347+/-0.278 χ^2/NDF: 8893467.0/56

All: 2320.371+/-0.198 χ^2/NDF: 18662231.6/1

- sign 2318.346+/-0.282 χ^2/NDF: 9768662.4/58

cor_asym_sam4_mean vs Slug



Right In: -13.458+/-63.262 χ^2/NDF: 23.8/31

Left Out: 353.640+/-60.149 χ^2/NDF:32.3/24

Right Out: 52.153+/-63.138 χ^2/NDF: 50.4/35

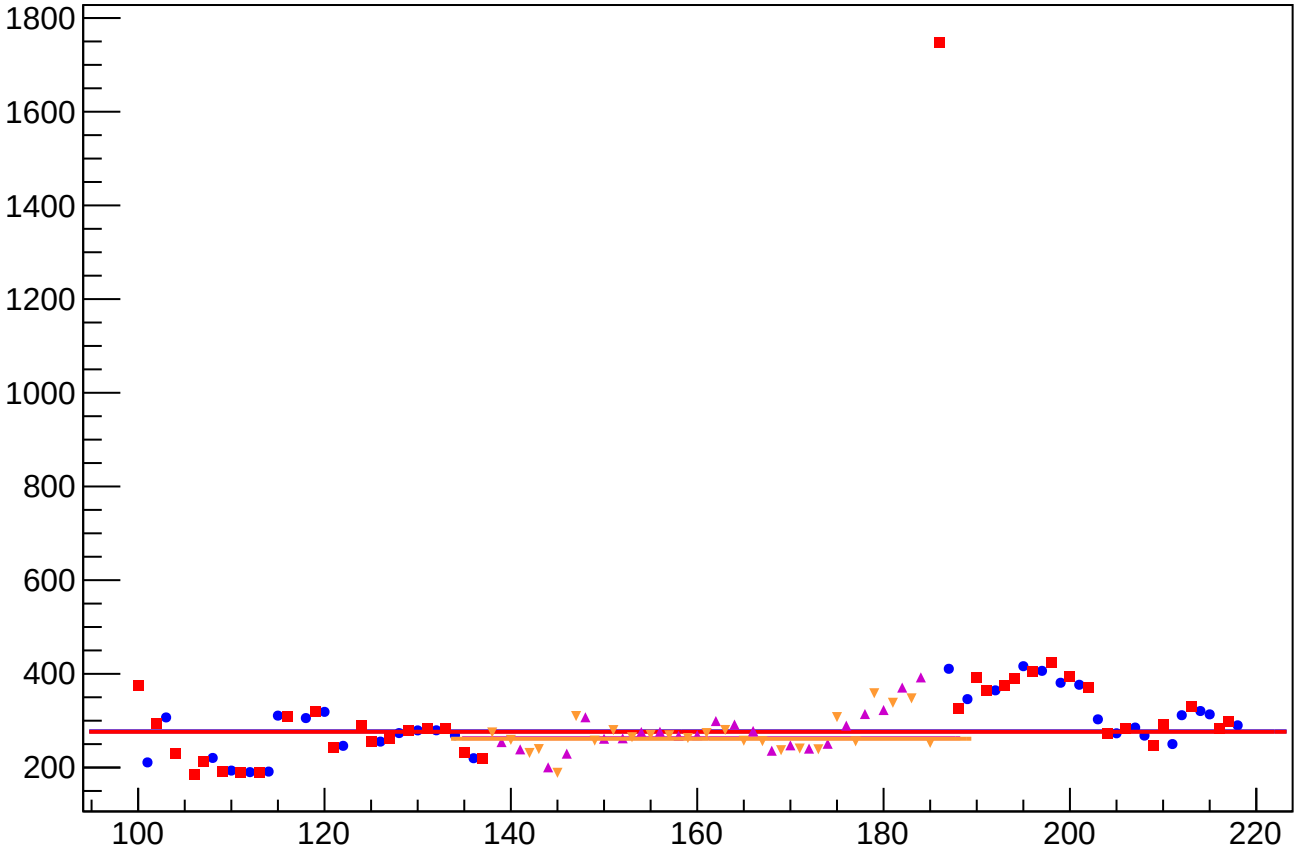
Left In: -321.514+/-62.113 χ^2/NDF:26.2/22

+ sign 179.345+/-43.591 χ^2/NDF: 73.8/56

All: 23.285+/-31.064 χ^2/NDF: 194.3/115

- sign -137.740+/-44.279 χ^2/NDF: 94.5/58

cor_asym_sam4_rms vs Slug



Right In: 277.224+/-0.045 χ^2/NDF: 1658822.4/31

Left Out: 261.470+/-0.043 χ^2/NDF:715467.9/24

Right Out: 276.330+/-0.045 χ^2/NDF: 2616169.8/35

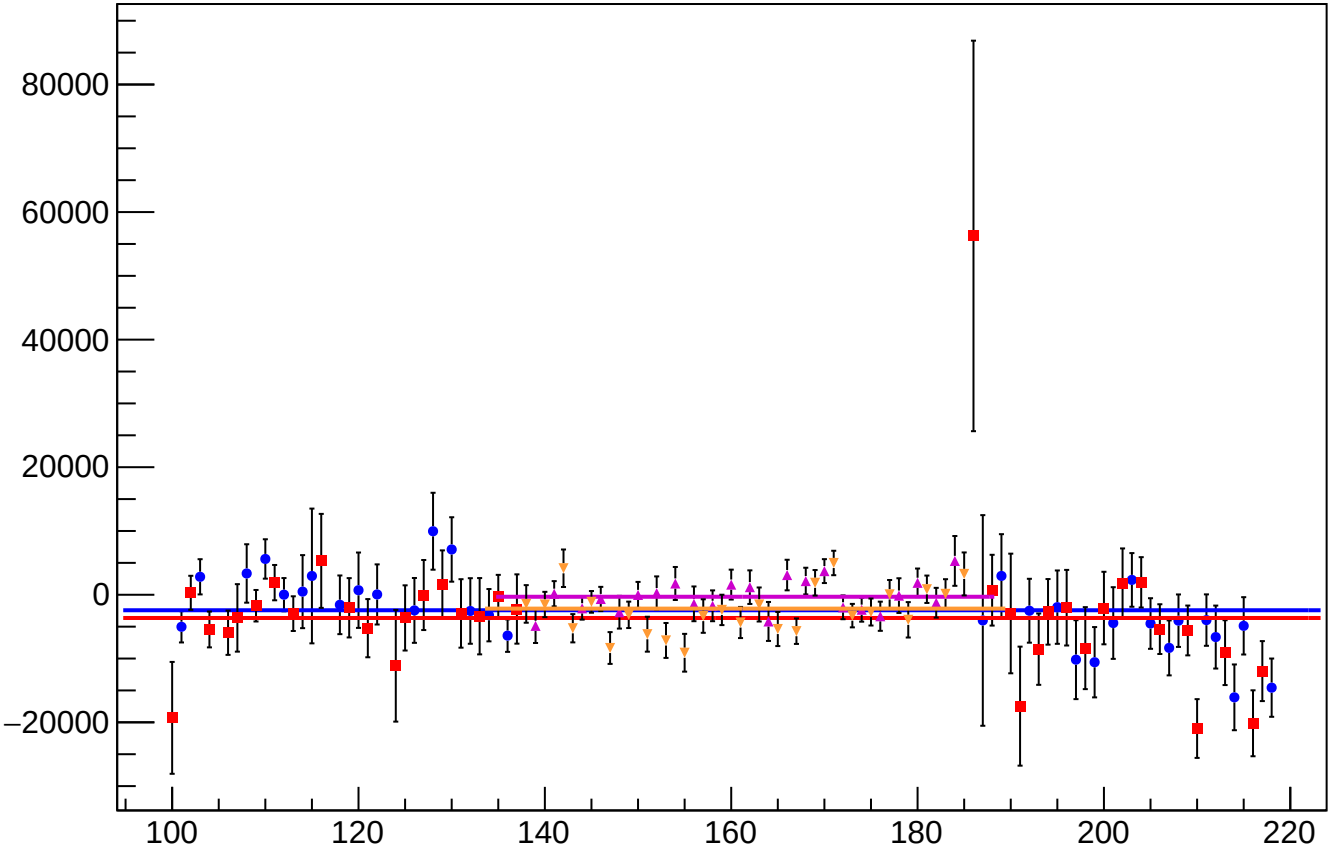
Left In: 262.616+/-0.044 χ^2/NDF:670646.4/22

+ sign 268.950+/-0.031 χ^2/NDF: 2439436.3/56

All: 269.152+/-0.022 χ^2/NDF: 5774288.2/115

- sign 269.361+/-0.031 χ^2/NDF: 3334764.3/58

asym_sam4_cor_correction_mean vs Slug



Right In: -2429.030+/-751.149 χ^2/NDF: 48.7/31

Left Out: -2171.811+/-461.649 χ^2/NDF:55.5/24

Right Out: -3640.968+/-734.680 χ^2/NDF: 56.1/35

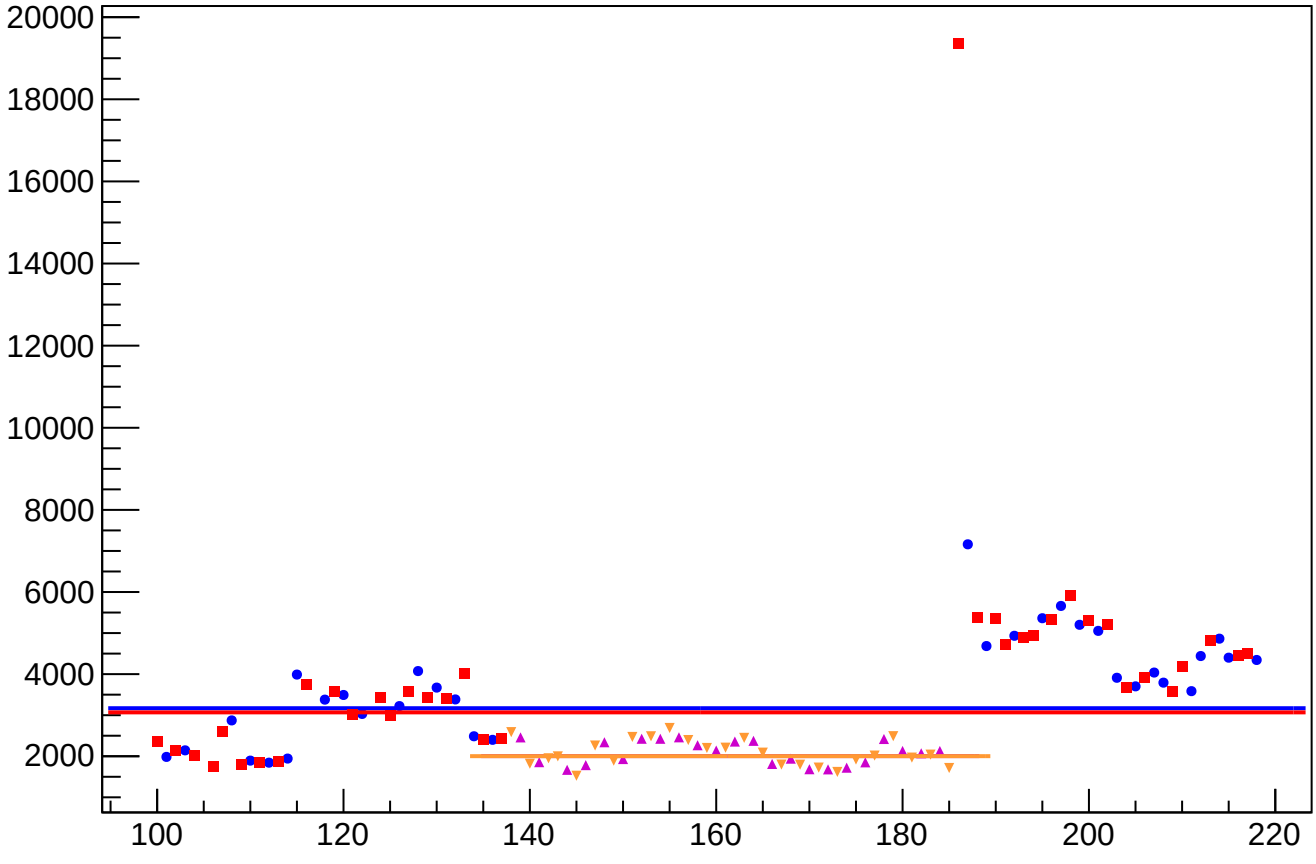
Left In: -313.745+/-474.086 χ^2/NDF:23.7/22

+ sign -2242.331+/-393.306 χ^2/NDF: 104.3/56

All: -1773.173+/-279.875 χ^2/NDF: 201.4/115

- sign -1291.908+/-398.348 χ^2/NDF: 94.2/58

asym_sam4_cor_correction_rms vs Slug



Right In: 3169.860+/-0.531 χ^2/NDF: 4492999.3/31

Left Out: 2002.229+/-0.326 χ^2/NDF:892706.8/24

Right Out: 3068.894+/-0.519 χ^2/NDF: 6115699.9/35

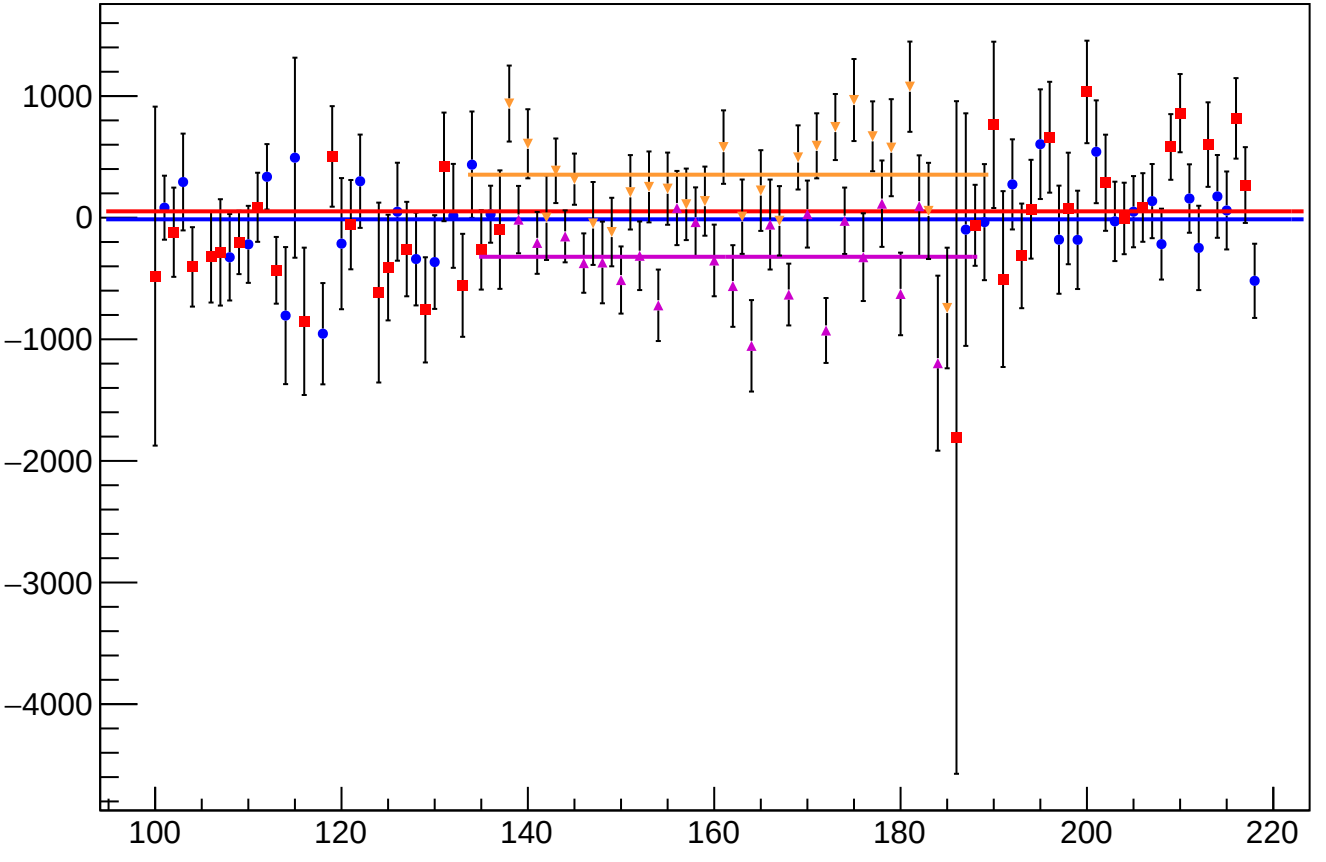
Left In: 2004.244+/-0.335 χ^2/NDF:704920.5/22

+ sign 2322.351+/-0.278 χ^2/NDF: 8893450.9/56

All: 2319.827+/-0.198 χ^2/NDF: 18679468.9/1

- sign 2317.238+/-0.282 χ^2/NDF: 9785851.2/58

eigen_cor_asym_sam4_mean vs Slug



Right In: -13.458+/-63.262 χ^2/NDF: 23.8/31

Left Out: 353.640+/-60.149 χ^2/NDF:32.3/24

Right Out: 52.153+/-63.138 χ^2/NDF: 50.4/35

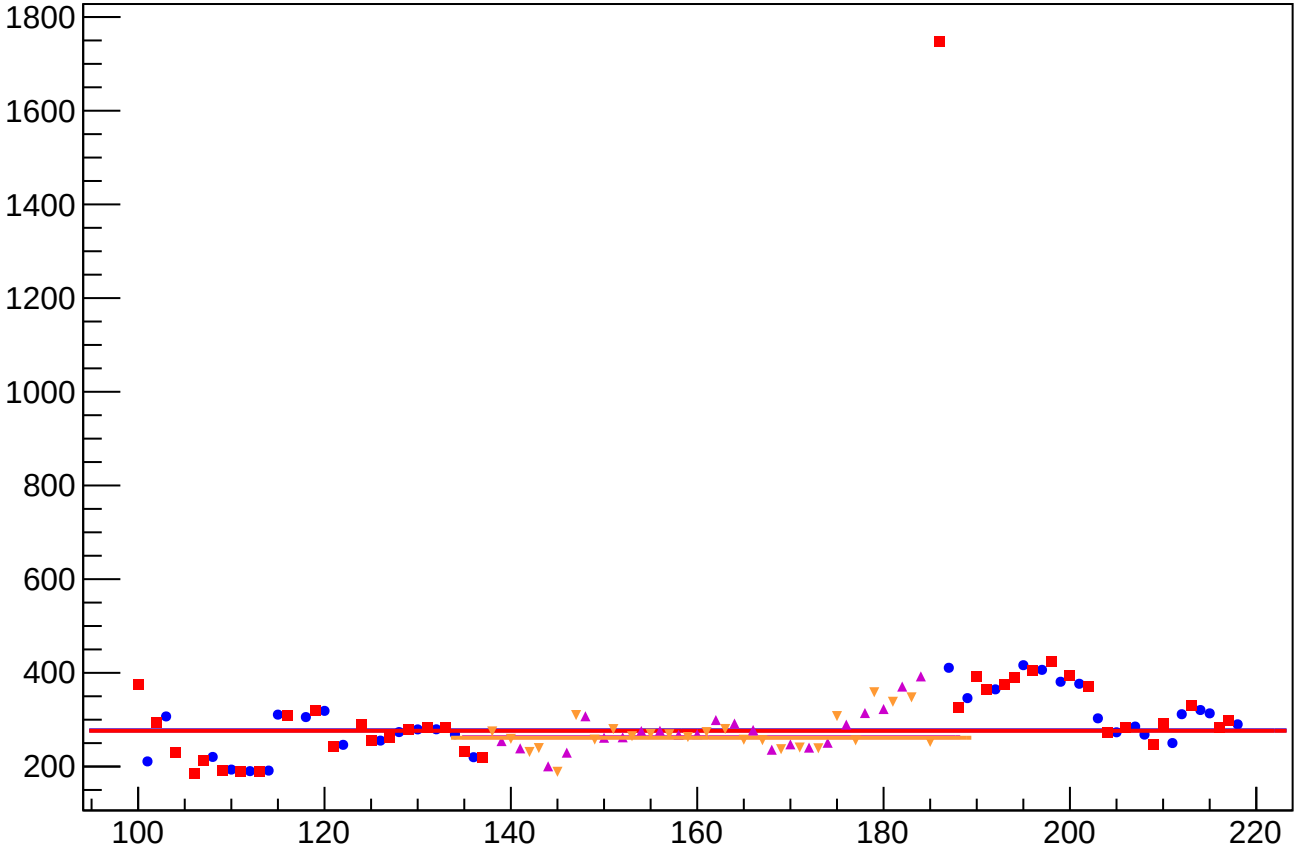
Left In: -321.514+/-62.113 χ^2/NDF:26.2/22

+ sign 179.345+/-43.591 χ^2/NDF: 73.8/56

All: 23.285+/-31.064 χ^2/NDF: 194.3/115

- sign -137.740+/-44.279 χ^2/NDF: 94.5/58

eigen_cor_asym_sam4_rms vs Slug



Right In: 277.224+/-0.045 χ^2/NDF: 1658822.4/31

Left Out: 261.470+/-0.043 χ^2/NDF:715467.9/24

Right Out: 276.330+/-0.045 χ^2/NDF: 2616169.8/35

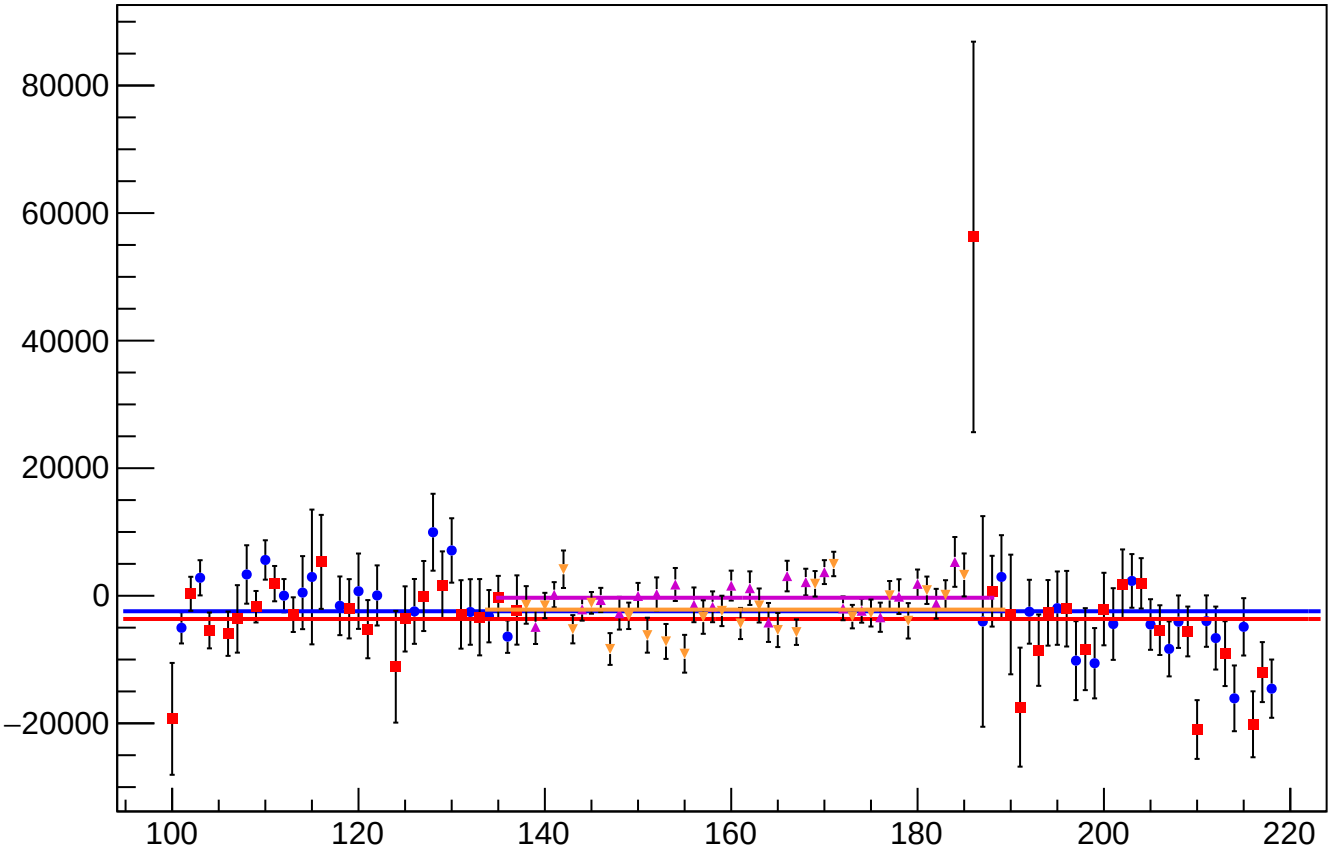
Left In: 262.616+/-0.044 χ^2/NDF:670646.4/22

+ sign 268.950+/-0.031 χ^2/NDF: 2439436.3/56

All: 269.152+/-0.022 χ^2/NDF: 5774288.2/115

- sign 269.361+/-0.031 χ^2/NDF: 3334764.3/58

asym_sam4_eigen_cor_correction_mean vs Slug



Right In: -2429.030+/-751.149 χ^2/NDF: 48.7/31

Left Out: -2171.811+/-461.649 χ^2/NDF:55.5/24

Right Out: -3640.968+/-734.680 χ^2/NDF: 56.1/35

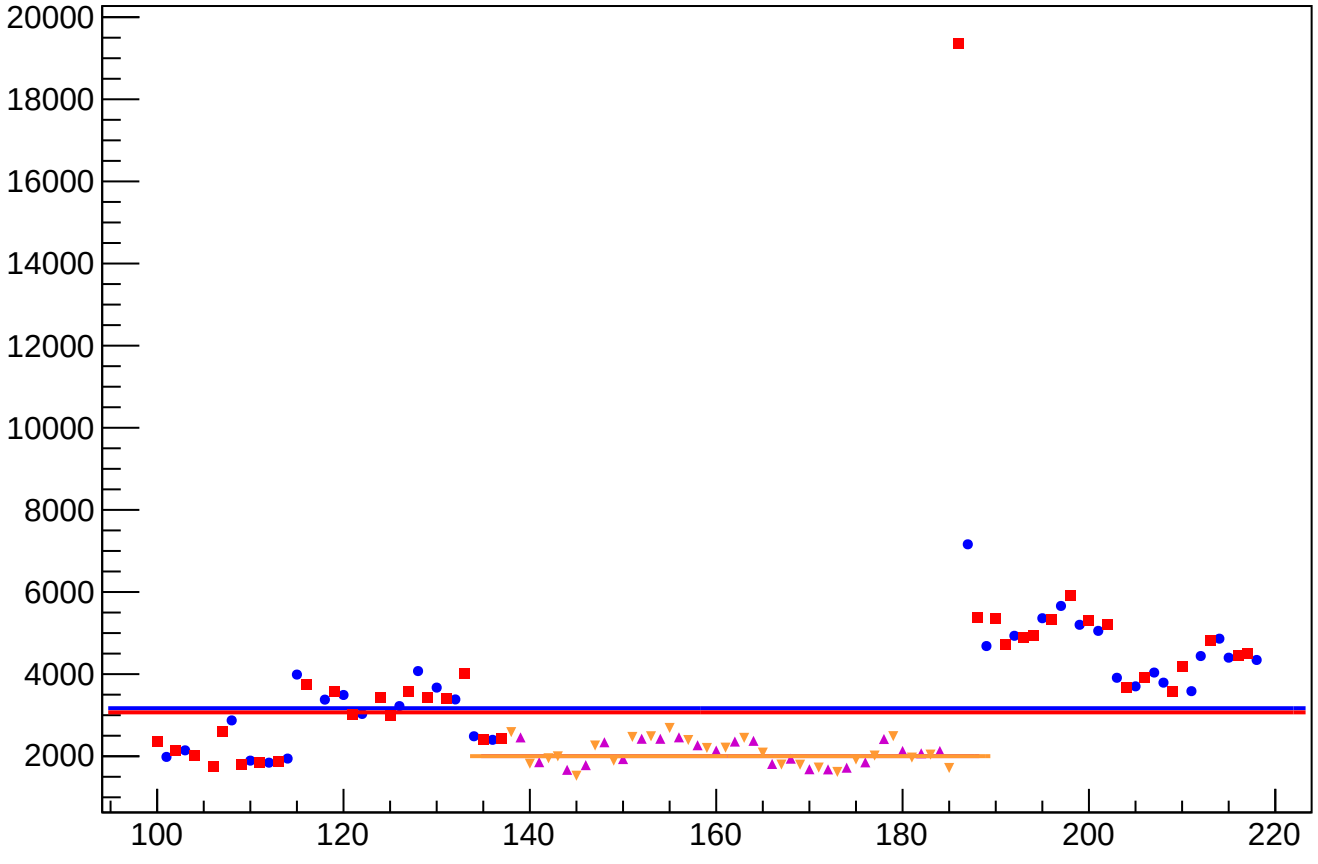
Left In: -313.745+/-474.086 χ^2/NDF:23.7/22

+ sign -2242.331+/-393.306 χ^2/NDF: 104.3/56

All: -1773.173+/-279.875 χ^2/NDF: 201.4/115

- sign -1291.908+/-398.348 χ^2/NDF: 94.2/58

asym_sam4_eigen_cor_correction_rms vs Slug



Right In: 3169.860+/-0.531 χ^2/NDF: 4492999.3/31

Left Out: 2002.229+/-0.326 χ^2/NDF:892706.8/24

Right Out: 3068.894+/-0.519 χ^2/NDF: 6115699.9/35

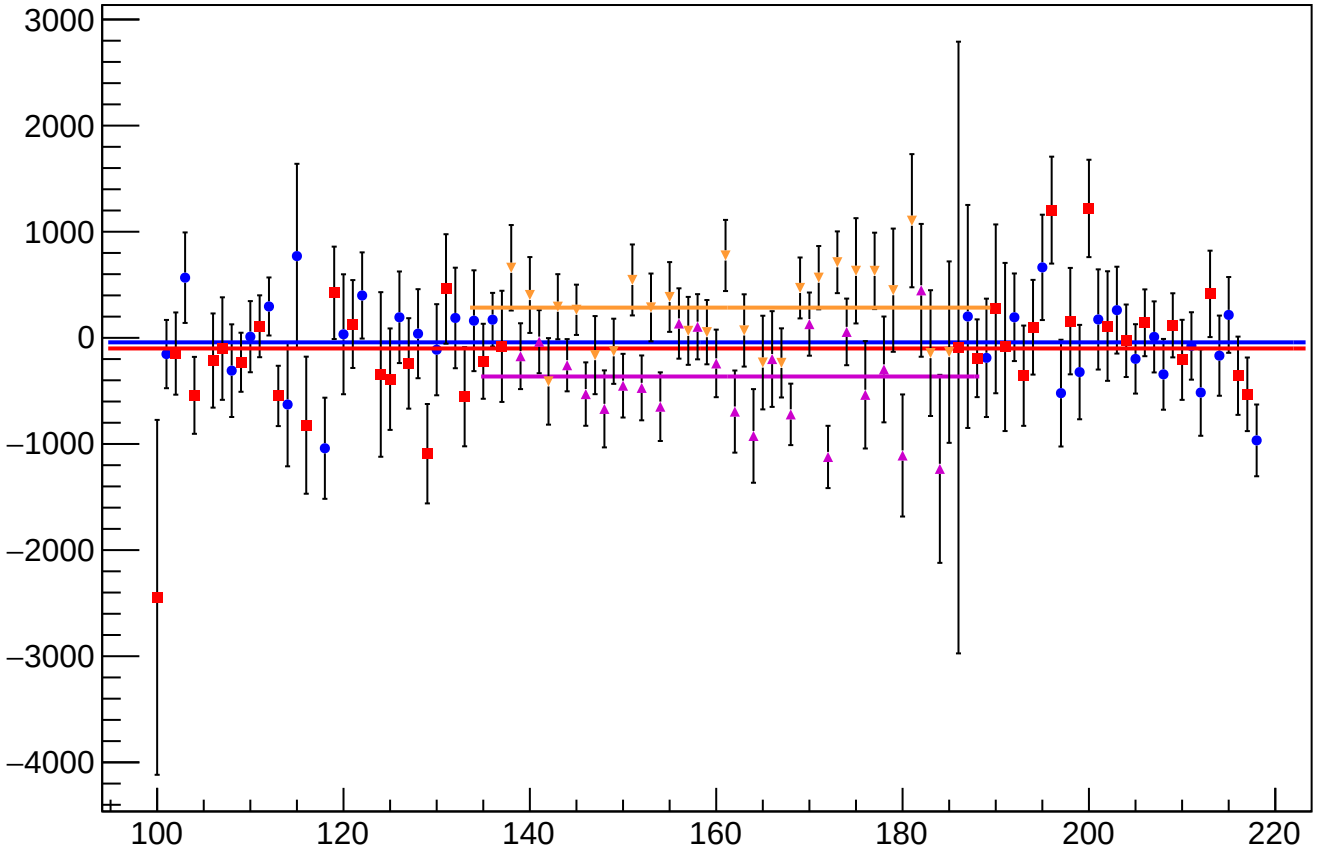
Left In: 2004.244+/-0.335 χ^2/NDF:704920.5/22

+ sign 2322.351+/-0.278 χ^2/NDF: 8893450.9/56

All: 2319.827+/-0.198 χ^2/NDF: 18679468.9/1

- sign 2317.238+/-0.282 χ^2/NDF: 9785851.2/58

dit_asym_sam4_mean vs Slug



Right In: -42.279+/-70.384 χ^2/NDF: 28.1/31

Left Out: 284.913+/-70.036 χ^2/NDF:22.8/24

Right Out: -100.050+/-69.726 χ^2/NDF: 38.1/35

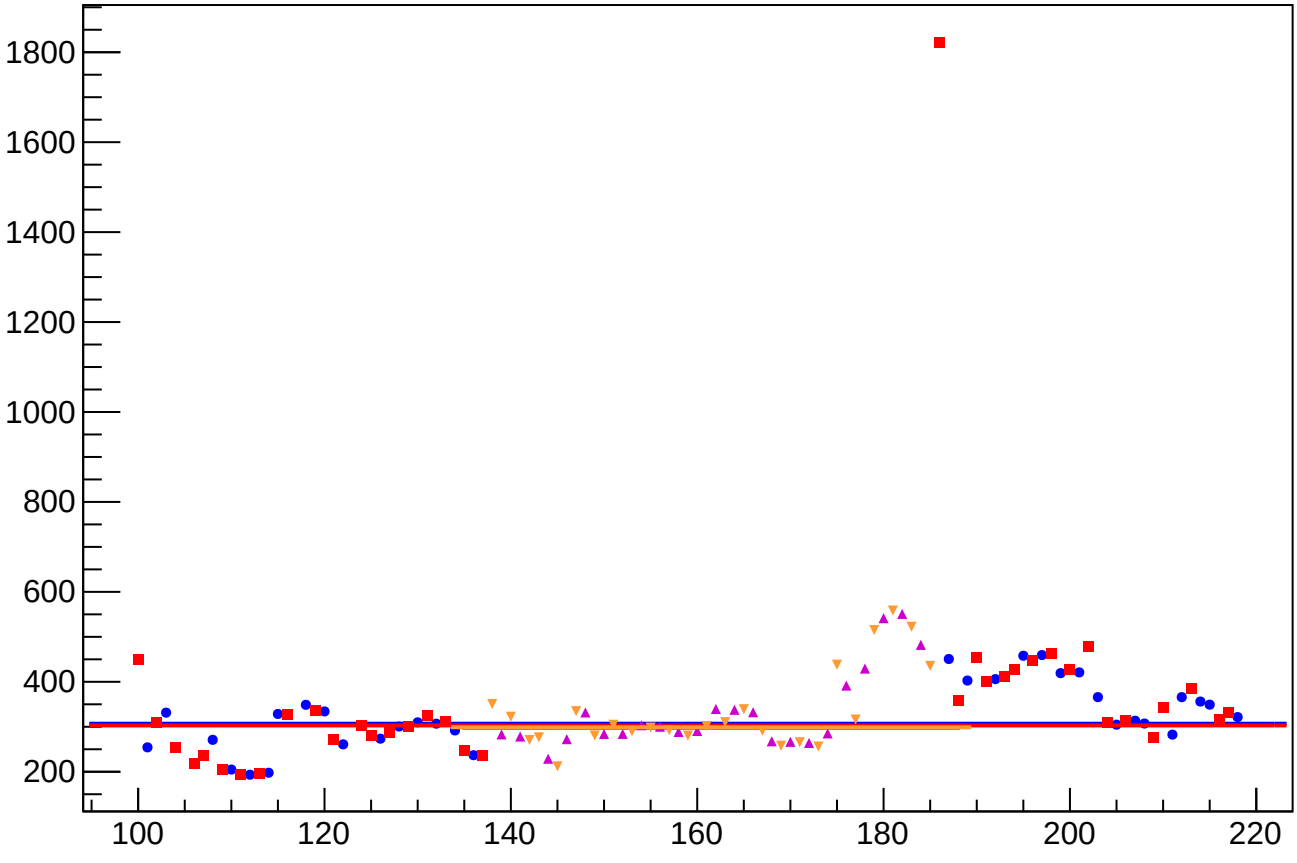
Left In: -364.163+/-71.714 χ^2/NDF:28.2/22

+ sign 122.127+/-49.646 χ^2/NDF: 61.8/56

All: -51.917+/-35.226 χ^2/NDF: 159.8/115

- sign -228.395+/-49.992 χ^2/NDF: 73.3/58

dit_asym_sam4_rms vs Slug



Right In: 306.780+/-0.050 χ^2/NDF: 1876317.6/31

Left Out: 298.938+/-0.050 χ^2/NDF:1613077.3/24

Right Out: 302.980+/-0.049 χ^2/NDF: 2951585.6/35

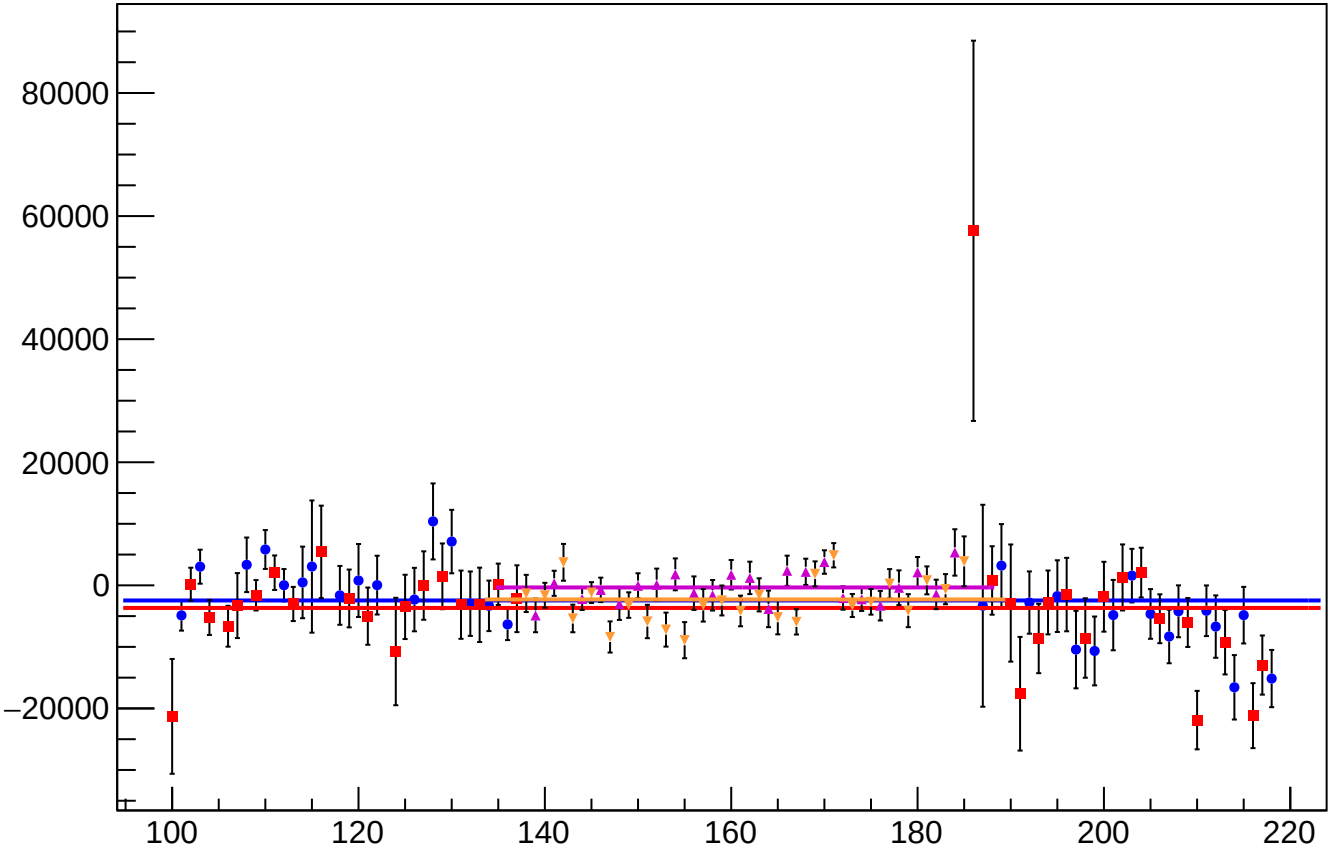
Left In: 297.885+/-0.051 χ^2/NDF:1319062.0/22

+ sign 302.840+/-0.035 χ^2/NDF: 3501871.5/56

All: 301.680+/-0.025 χ^2/NDF: 7779906.1/115

- sign 300.504+/-0.035 χ^2/NDF: 4275837.1/58

asym_sam4_dit_correction_mean vs Slug



Right In: -2457.898+/-760.453 χ^2/NDF: 49.3/31

Left Out: -2290.992+/-470.518 χ^2/NDF:51.7/24

Right Out: -3672.484+/-740.849 χ^2/NDF: 59.2/35

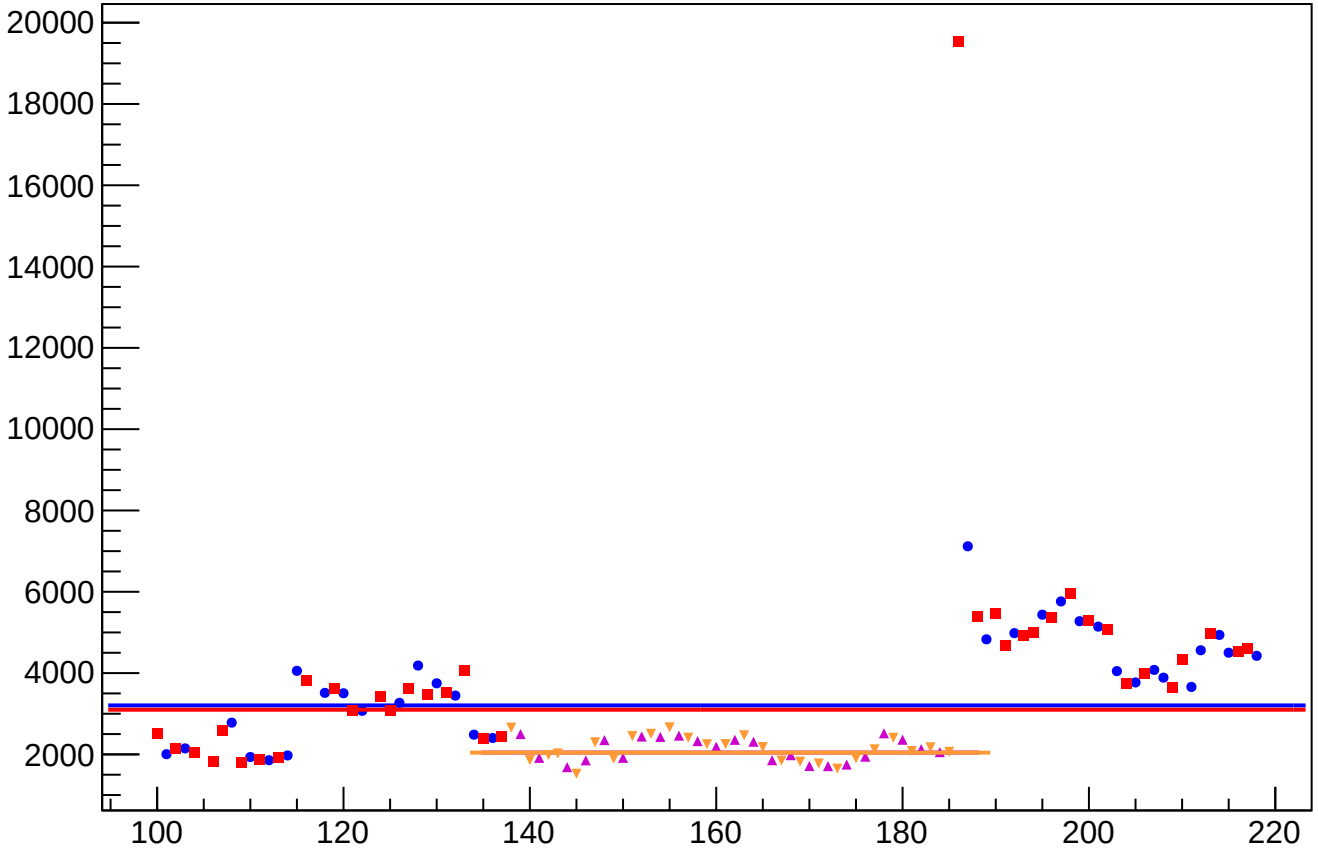
Left In: -342.609+/-483.605 χ^2/NDF:22.8/22

+ sign -2337.199+/-400.121 χ^2/NDF: 101.0/56

All: -1843.385+/-284.624 χ^2/NDF: 200.4/115

- sign -1337.549+/-404.962 χ^2/NDF: 96.2/58

asym_sam4_dit_correction_rms vs Slug



Right In: 3204.511+/-0.538 χ^2/NDF: 4621275.2/31

Left Out: 2043.746+/-0.333 χ^2/NDF:853391.4/24

Right Out: 3098.725+/-0.524 χ^2/NDF: 6137768.4/35

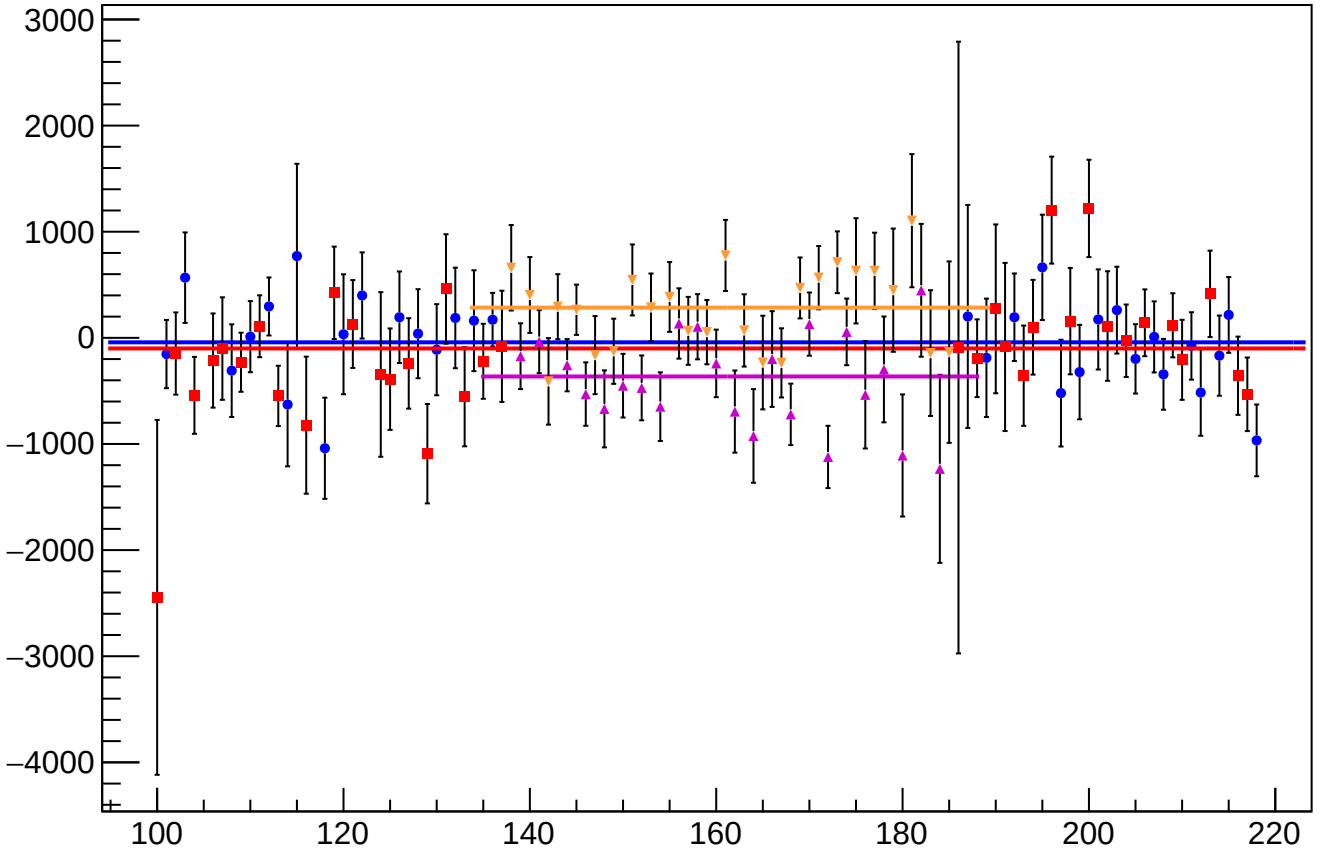
Left In: 2045.178+/-0.342 χ^2/NDF:690219.7/22

+ sign 2365.098+/-0.283 χ^2/NDF: 8844472.5/56

All: 2362.565+/-0.201 χ^2/NDF: 18508748.0/1

- sign 2359.970+/-0.286 χ^2/NDF: 9664113.2/58

eigen_dit_asym_sam4_mean vs Slug



Right In: -42.273+/-70.384 χ^2/NDF: 28.1/31

Left Out: 284.918+/-70.036 χ^2/NDF:22.8/24

Right Out: -100.046+/-69.726 χ^2/NDF: 38.1/35

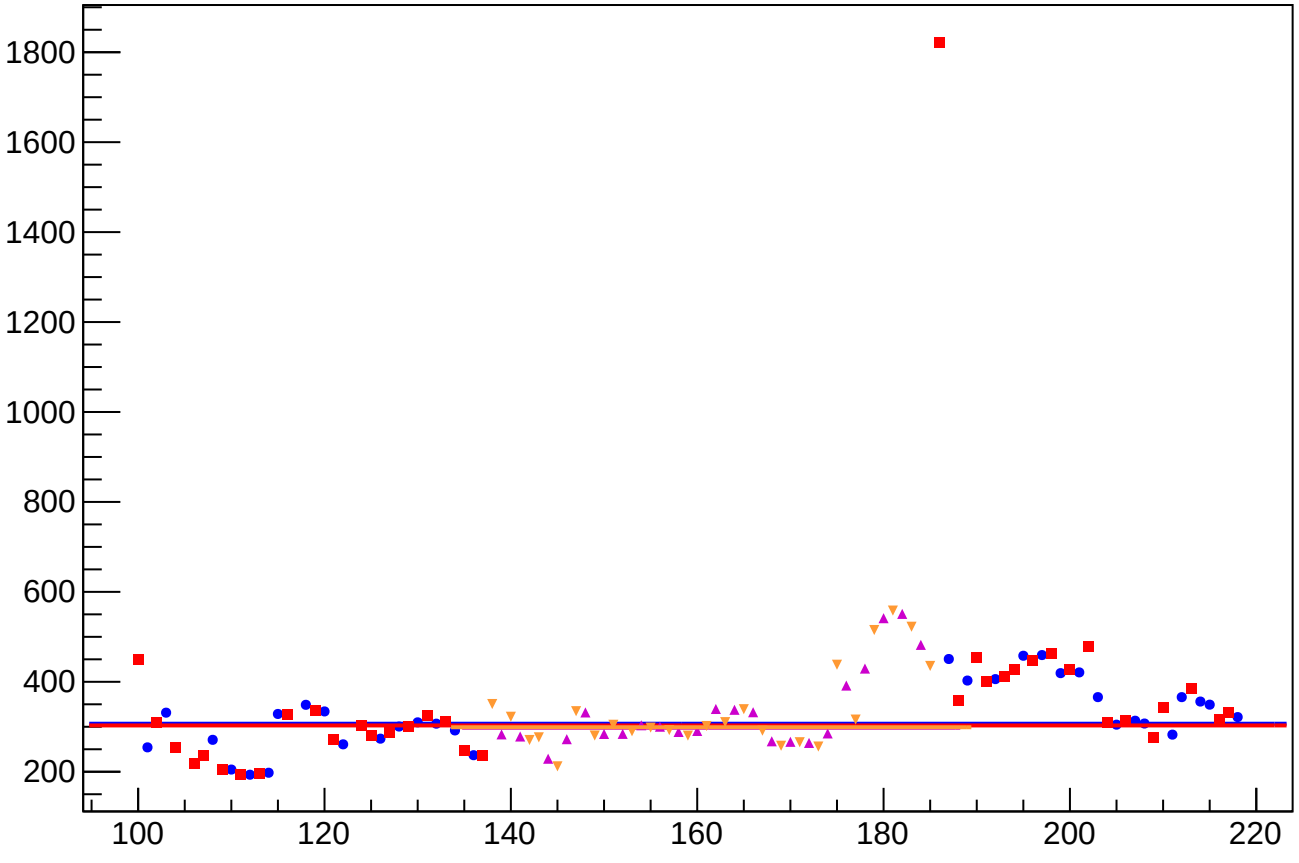
Left In: -364.164+/-71.714 χ^2/NDF:28.2/22

+ sign 122.132+/-49.646 χ^2/NDF: 61.8/56

All: -51.913+/-35.226 χ^2/NDF: 159.8/115

- sign -228.394+/-49.992 χ^2/NDF: 73.3/58

eigen_dit_asym_sam4_rms vs Slug



Right In: 306.780+/-0.050 χ^2/NDF: 1876297.4/31

Left Out: 298.938+/-0.050 χ^2/NDF:1613074.5/24

Right Out: 302.980+/-0.049 χ^2/NDF: 2951587.3/35

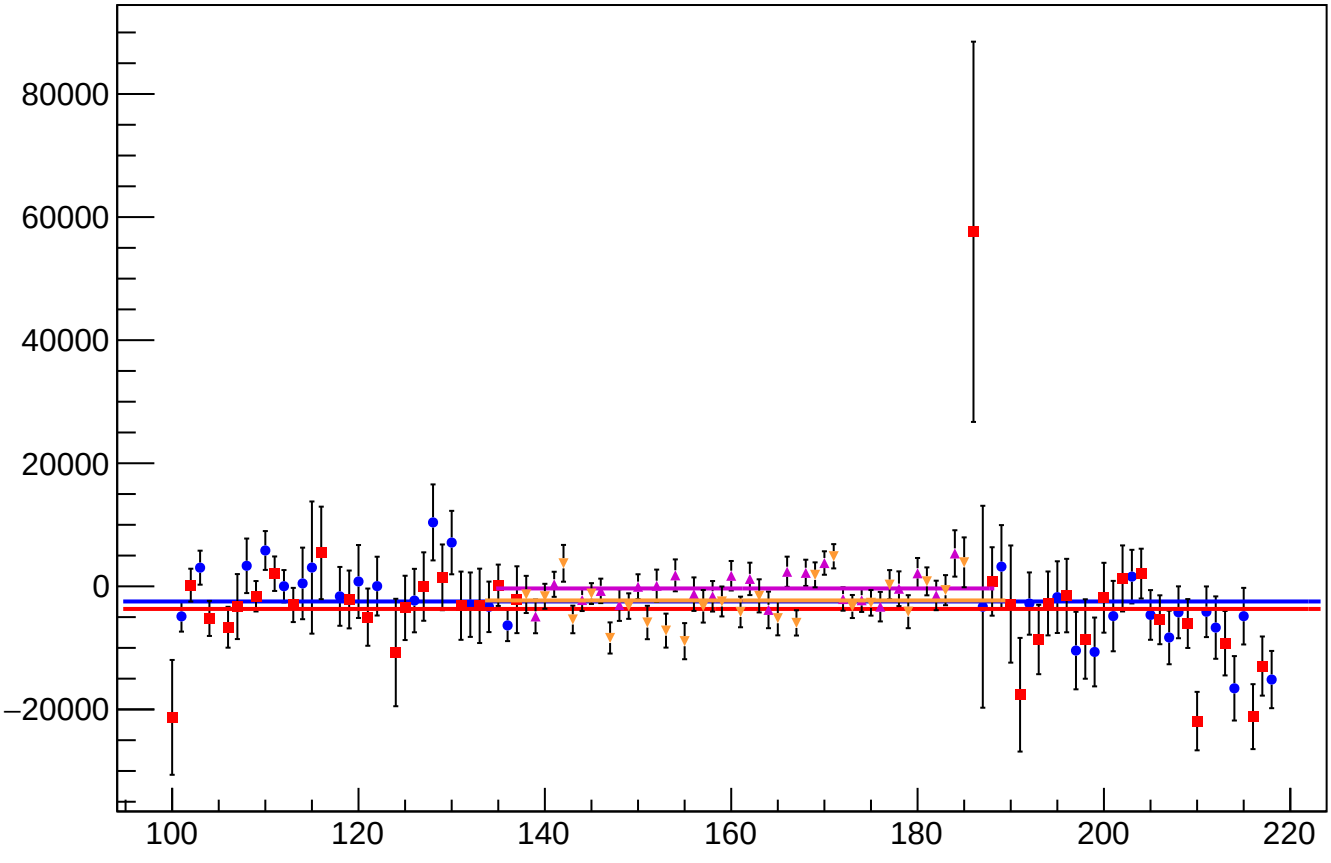
Left In: 297.885+/-0.051 χ^2/NDF:1319043.7/22

+ sign 302.840+/-0.035 χ^2/NDF: 3501847.2/56

All: 301.680+/-0.025 χ^2/NDF: 7779864.6/115

- sign 300.504+/-0.035 χ^2/NDF: 4275819.9/58

asym_sam4_eigen_dit_correction_mean vs Slug



Right In: -2457.896+/-760.452 χ^2/NDF: 49.3/31

Left Out: -2290.986+/-470.517 χ^2/NDF:51.7/24

Right Out: -3672.479+/-740.848 χ^2/NDF: 59.2/35

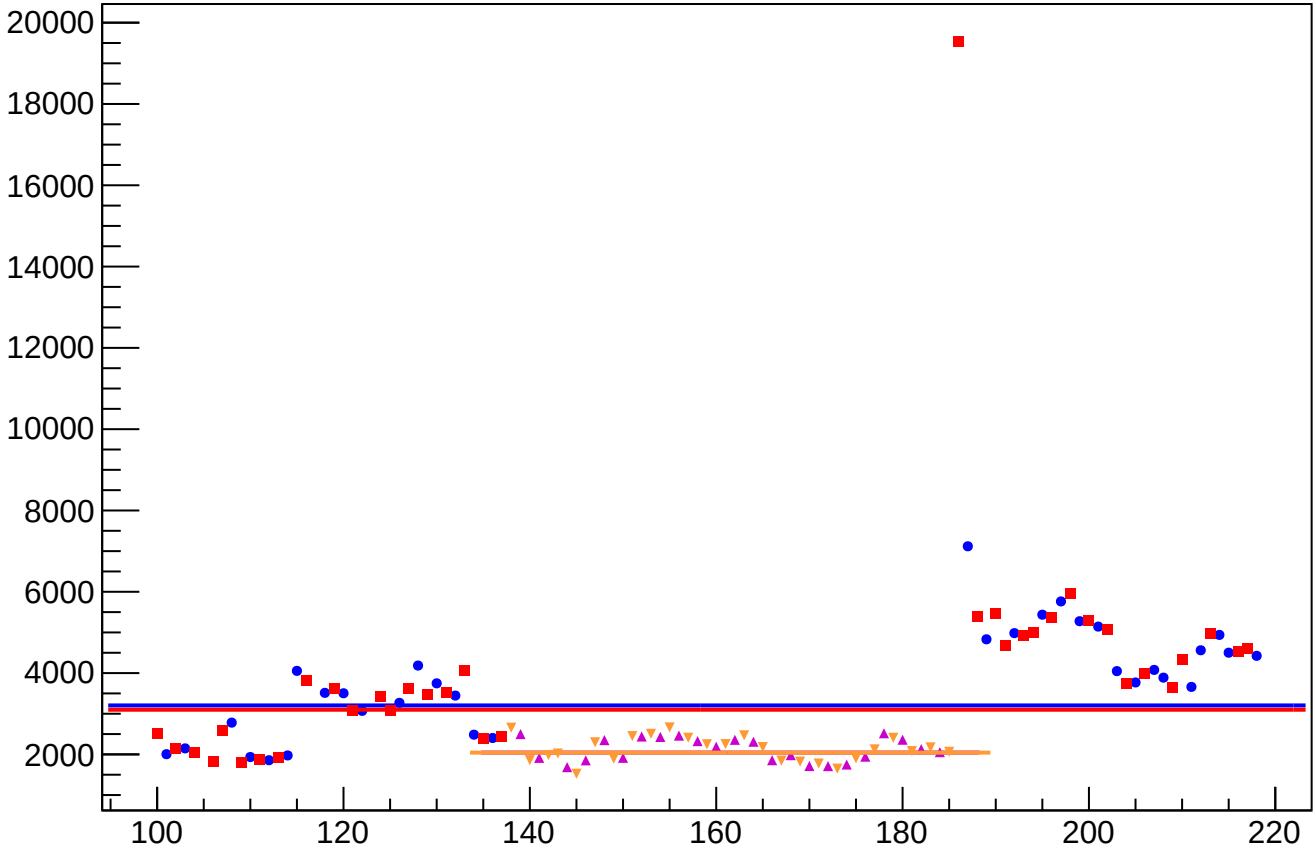
Left In: -342.606+/-483.604 χ^2/NDF:22.8/22

+ sign -2337.194+/-400.120 χ^2/NDF: 101.0/56

All: -1843.380+/-284.624 χ^2/NDF: 200.4/115

- sign -1337.545+/-404.961 χ^2/NDF: 96.2/58

asym_sam4_eigen_dit_correction_rms vs Slug



Right In: 3204.509+/-0.538 χ^2/NDF: 4621272.1/31

Left Out: 2043.742+/-0.333 χ^2/NDF:853393.7/24

Right Out: 3098.723+/-0.524 χ^2/NDF: 6137765.2/35

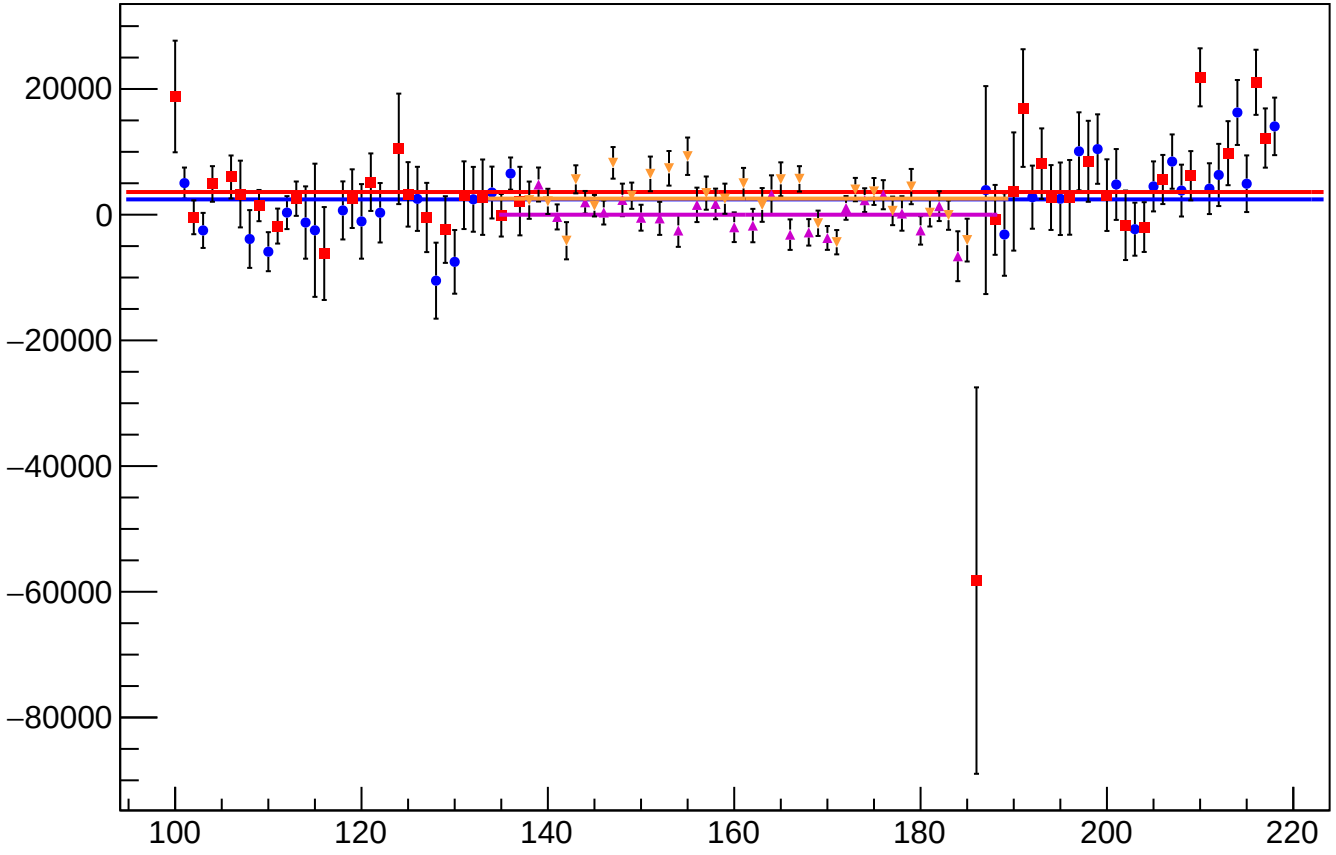
Left In: 2045.175+/-0.342 χ^2/NDF:690218.2/22

+ sign 2365.095+/-0.283 χ^2/NDF: 8844483.3/56

All: 2362.562+/-0.201 χ^2/NDF: 18508763.1/1

- sign 2359.967+/-0.286 χ^2/NDF: 9664117.4/58

asym_sam4_mean vs Slug



Right In: 2433.993+/-754.527 χ^2/NDF: 49.2/31

Left Out: 2559.048+/-465.944 χ^2/NDF:52.7/24

Right Out: 3606.893+/-737.430 χ^2/NDF: 59.6/35

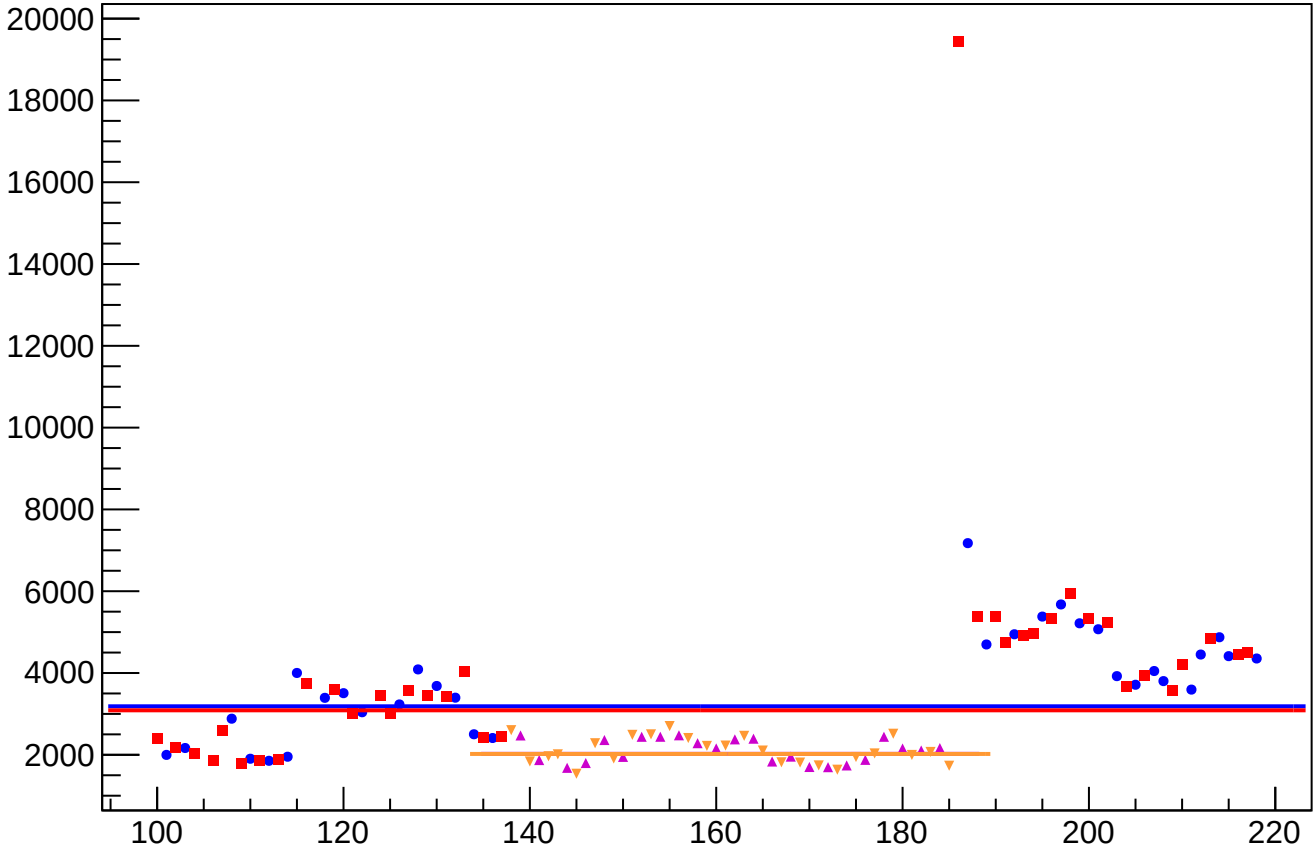
Left In: -3.474+/-478.514 χ^2/NDF:24.7/22

+ sign 2524.524+/-396.445 χ^2/NDF: 101.9/56

All: 1804.477+/-282.068 χ^2/NDF: 209.6/115

- sign 1066.283+/-401.410 χ^2/NDF: 101.1/58

asym_sam4_rms vs Slug



Right In: 3185.927+/-0.534 χ^2/NDF: 4453528.1/31

Left Out: 2021.266+/-0.329 χ^2/NDF:881370.9/24

Right Out: 3087.930+/-0.521 χ^2/NDF: 6034999.8/35

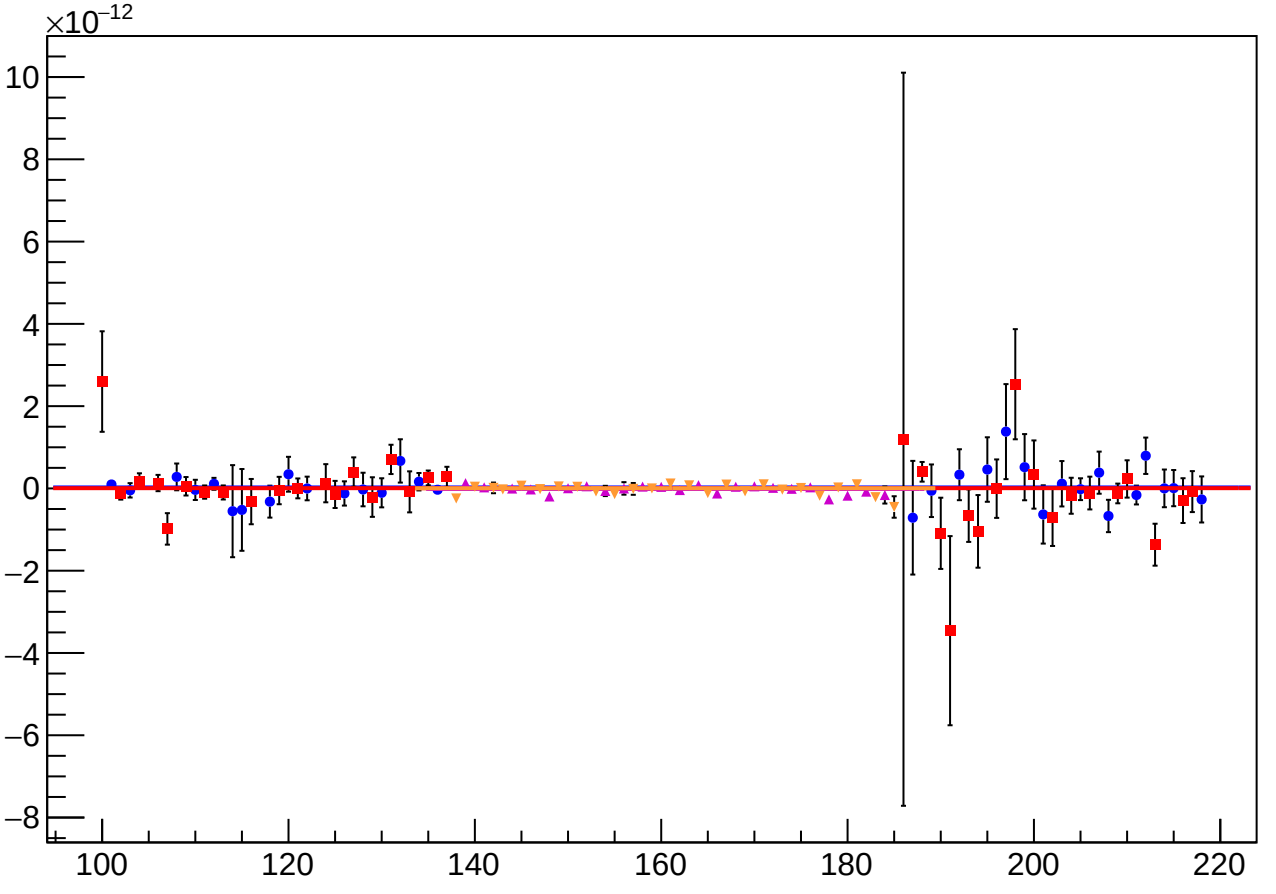
Left In: 2023.284+/-0.338 χ^2/NDF:696055.4/22

+ sign 2342.792+/-0.280 χ^2/NDF: 8784567.5/56

All: 2340.791+/-0.199 χ^2/NDF: 18449223.1/1

- sign 2338.740+/-0.284 χ^2/NDF: 9664552.5/58

asym_sam4_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 17.2/31

Left Out: 0.000+/-0.000 χ^2/NDF:32.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 45.7/35

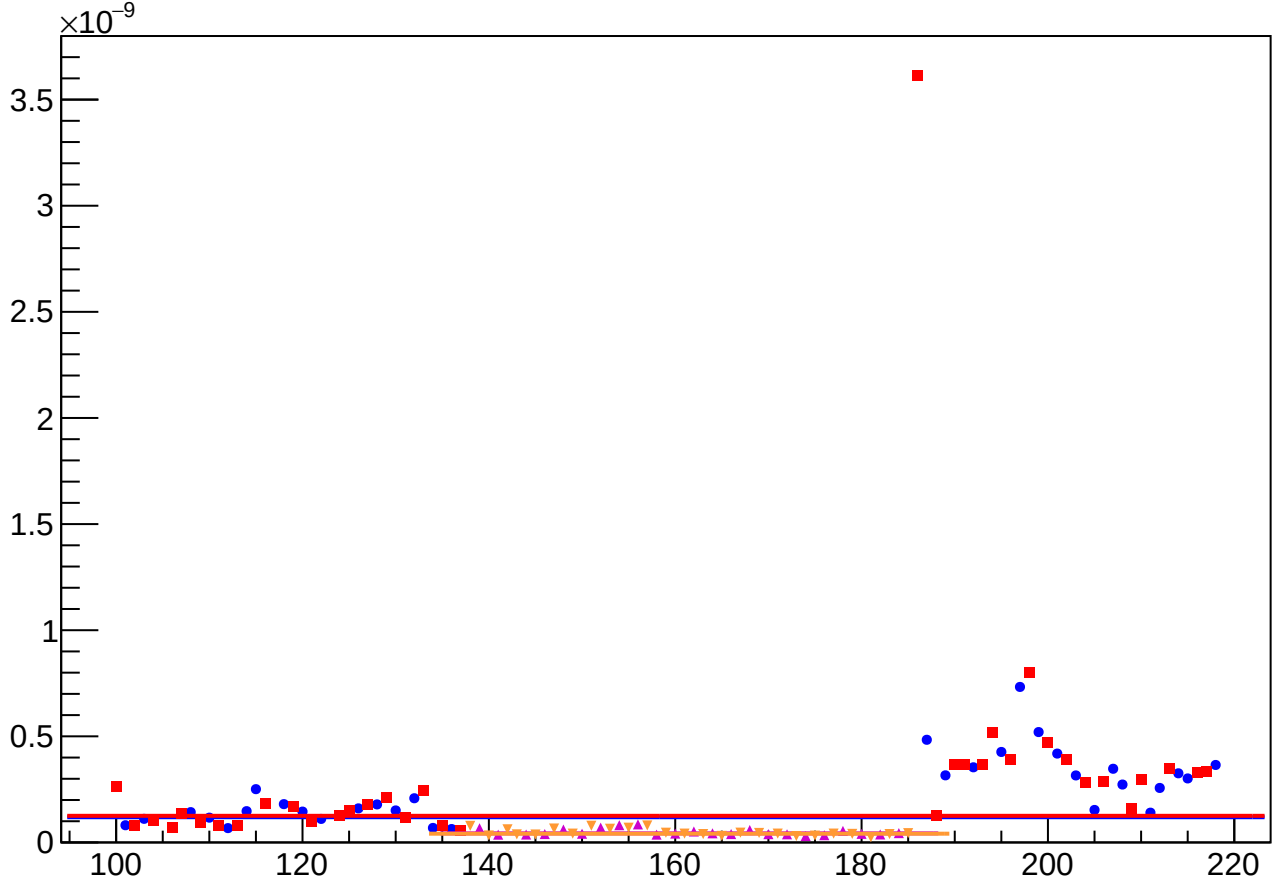
Left In: -0.000+/-0.000 χ^2/NDF:20.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 49.5/56

All: -0.000+/-0.000 χ^2/NDF: 116.6/115

- sign -0.000+/-0.000 χ^2/NDF: 66.6/58

asym_sam4_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 6205256.6/31

Left Out: 0.000+/-0.000 χ^2/NDF:1235677.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5914479.7/35

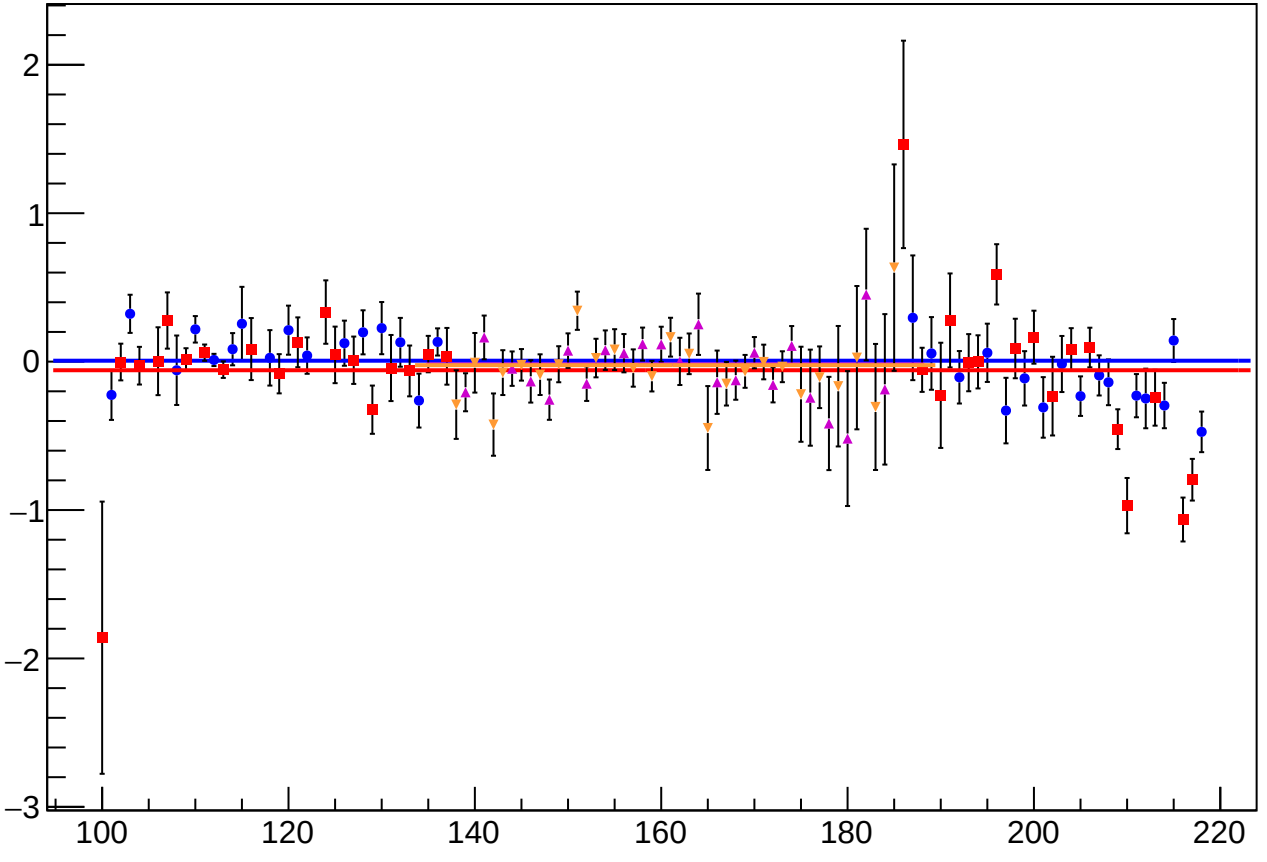
Left In: 0.000+/-0.000 χ^2/NDF:931395.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 12197510.7/56

All: 0.000+/-0.000 χ^2/NDF: 23889644.3/115

- sign 0.000+/-0.000 χ^2/NDF: 11669347.2/58

asym_sam4_dit_vs_cor_diff_mean vs Slug



Right In: 0.006+/-0.023 χ^2/NDF: 57.3/31

Left Out: -0.024+/-0.030 χ^2/NDF:22.2/24

Right Out: -0.058+/-0.023 χ^2/NDF: 150.9/35

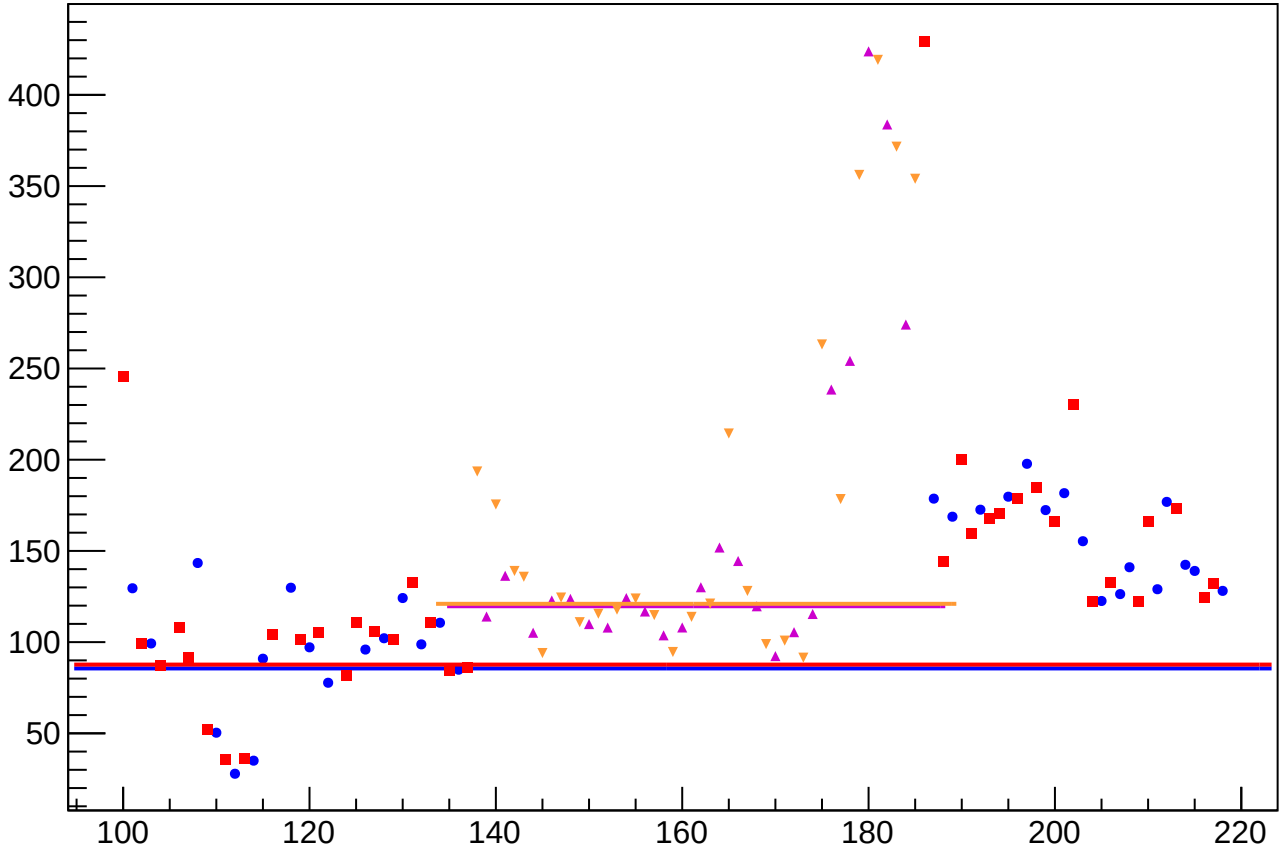
Left In: -0.019+/-0.030 χ^2/NDF:23.0/22

+ sign -0.005+/-0.018 χ^2/NDF: 80.1/56

All: -0.024+/-0.013 χ^2/NDF: 257.4/115

- sign -0.044+/-0.018 χ^2/NDF: 175.0/58

asym_sam4_dit_vs_cor_diff_rms vs Slug



Right In: 85.575+/-0.016 χ^2/NDF: 10158294.9/31

Left Out: 120.999+/-0.021 χ^2/NDF:4095266.9/24

Right Out: 87.685+/-0.016 χ^2/NDF: 9525187.2/35

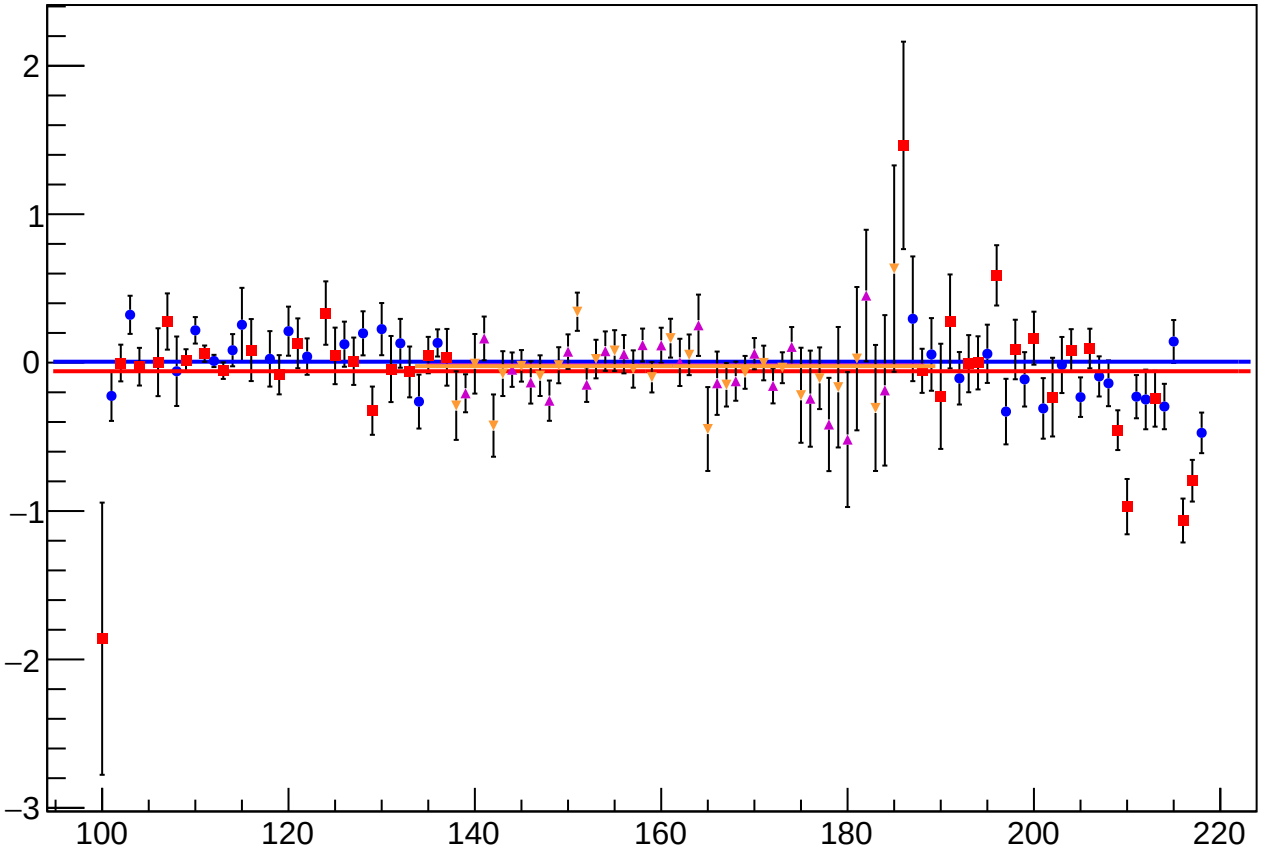
Left In: 119.679+/-0.021 χ^2/NDF:2838257.9/22

+ sign 98.605+/-0.013 χ^2/NDF: 16027909.8/56

All: 98.947+/-0.009 χ^2/NDF: 29820698.8/115

- sign 99.292+/-0.013 χ^2/NDF: 13791356.8/58

asym_sam4_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.006+/-0.023 χ^2/NDF: 57.3/31

Left Out: -0.024+/-0.030 χ^2/NDF:22.2/24

Right Out: -0.058+/-0.023 χ^2/NDF: 150.9/35

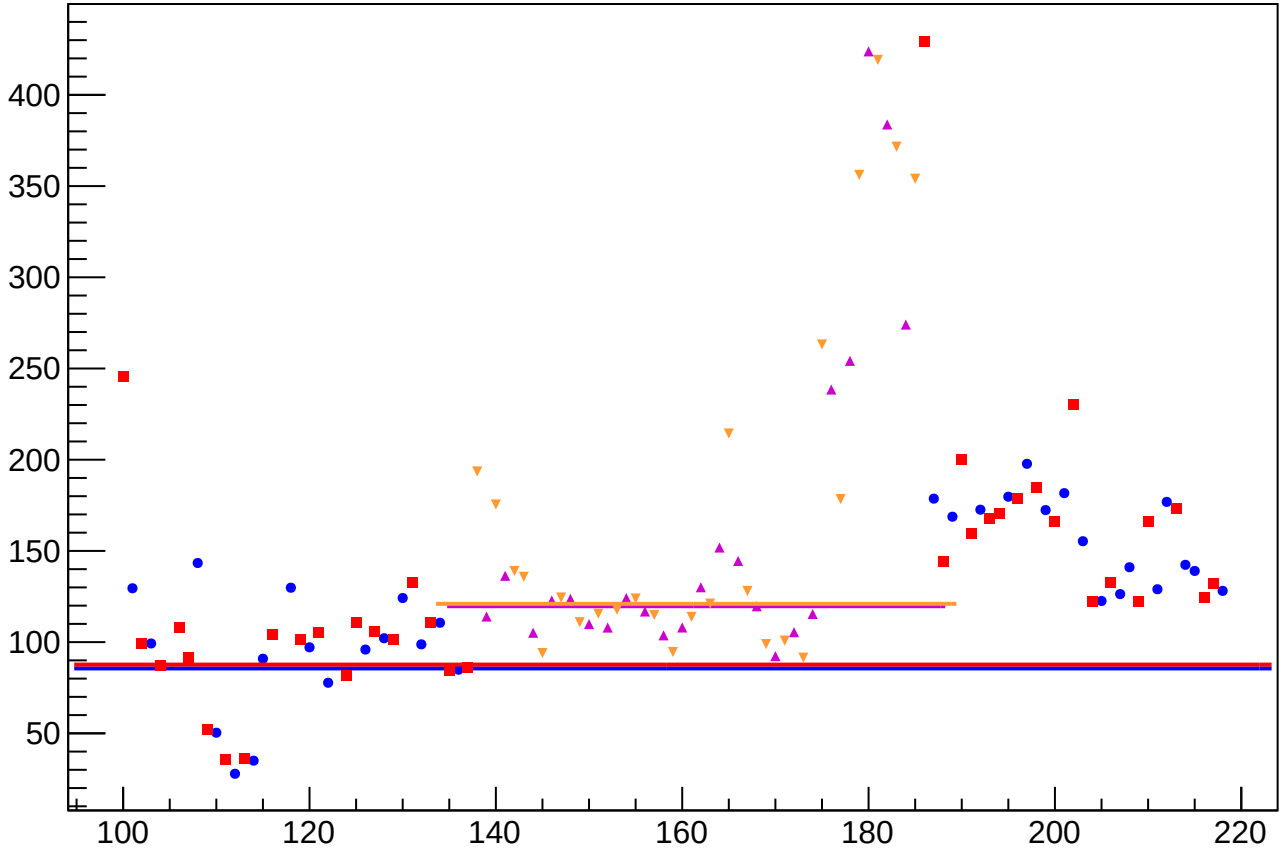
Left In: -0.019+/-0.030 χ^2/NDF:23.0/22

+ sign -0.005+/-0.018 χ^2/NDF: 80.1/56

All: -0.024+/-0.013 χ^2/NDF: 257.4/115

- sign -0.044+/-0.018 χ^2/NDF: 175.0/58

asym_sam4_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 85.575+/-0.016 χ^2/NDF: 10158294.9/31

Left Out: 120.999+/-0.021 χ^2/NDF:4095266.9/24

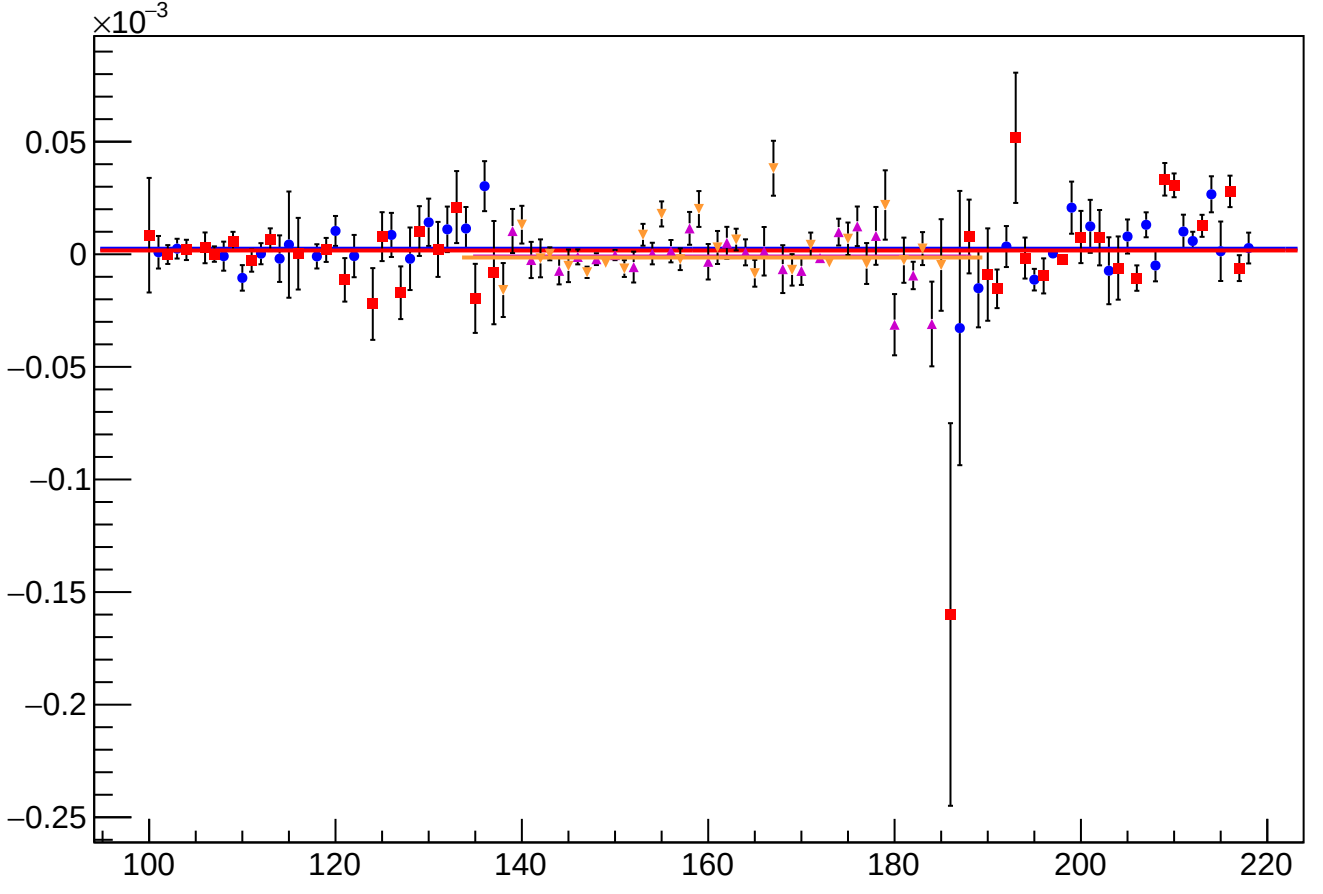
Right Out: 87.685+/-0.016 χ^2/NDF: 9525187.2/35

Left In: 119.679+/-0.021 χ^2/NDF:2838257.9/22

+ sign 98.605+/-0.013 χ^2/NDF: 16027909.8/56

All: 98.947+/-0.009 χ^2/NDF: 29820698.8/115

- sign 99.292+/-0.013 χ^2/NDF: 13791356.8/58



Right In: 0.000+/-0.000 χ^2/NDF: 47.8/31

Left Out: -0.000+/-0.000 χ^2/NDF:60.5/24

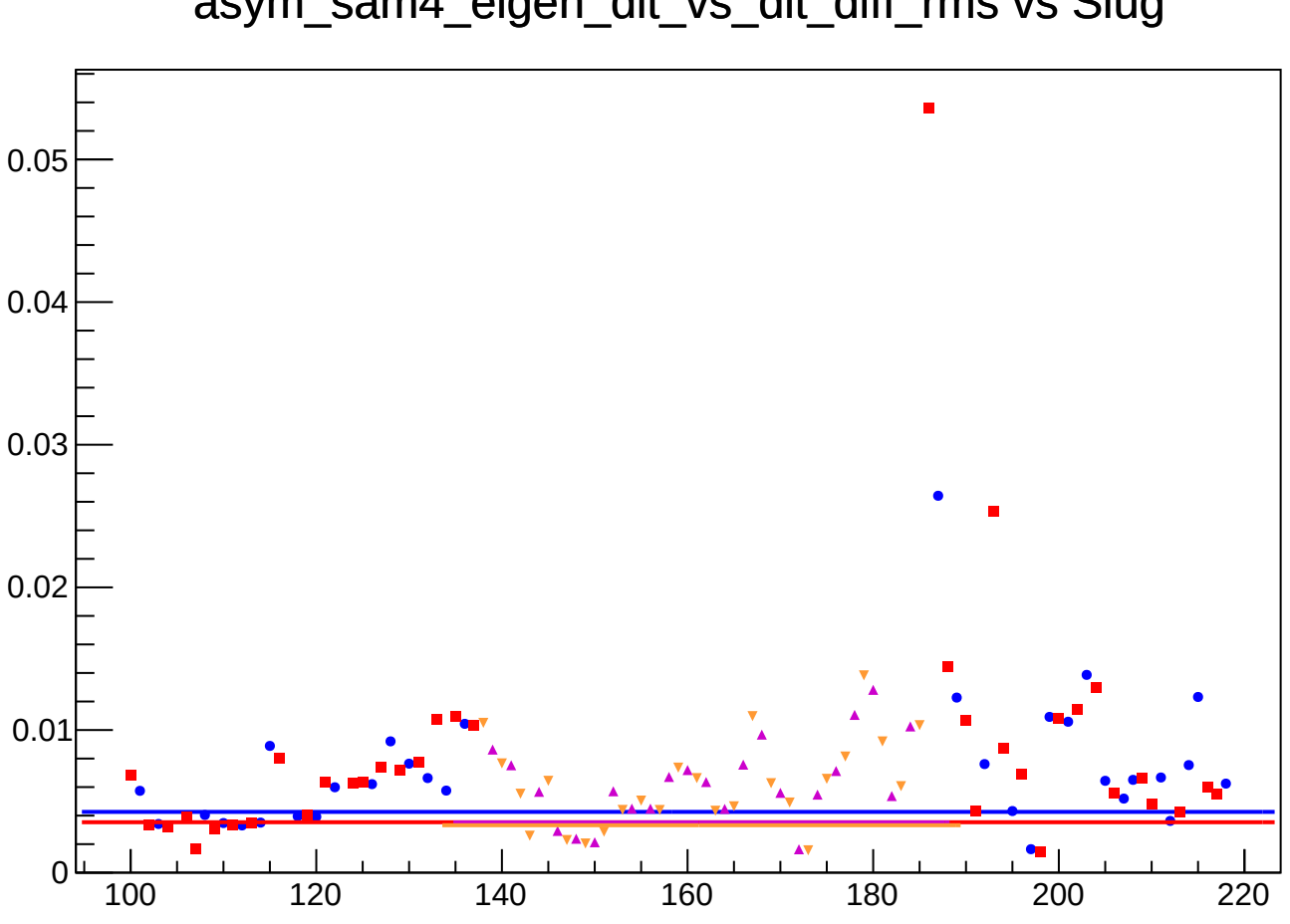
Right Out: 0.000+/-0.000 χ^2/NDF: 108.5/35

Left In: -0.000+/-0.000 χ^2/NDF:24.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 115.5/56

All: 0.000+/-0.000 χ^2/NDF: 252.3/115

- sign 0.000+/-0.000 χ^2/NDF: 136.7/58



Right In: 0.004+/-0.000 χ^2/NDF: 9627298.7/31

Left Out: 0.003+/-0.000 χ^2/NDF:10486084.0/24

Right Out: 0.004+/-0.000 χ^2/NDF: 13803288.6/35

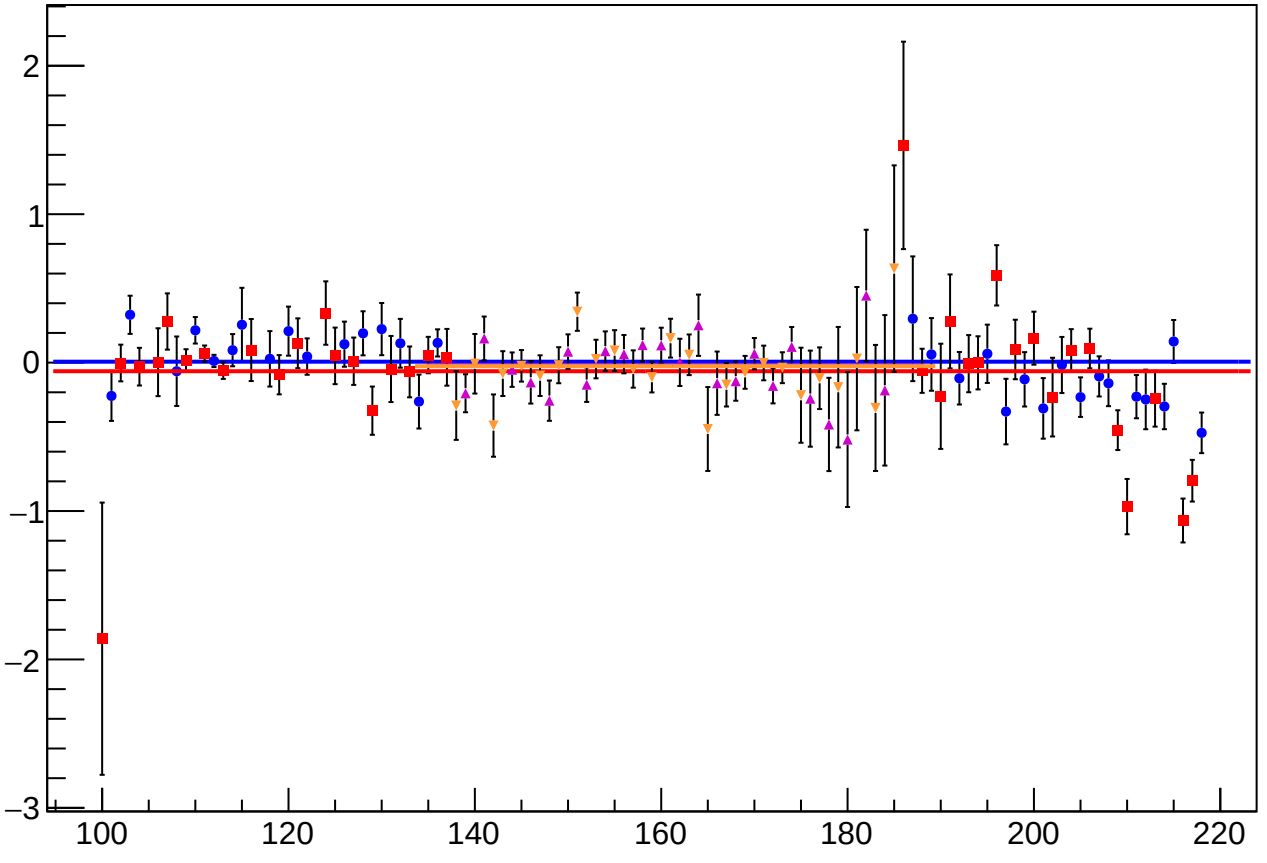
Left In: 0.004+/-0.000 χ^2/NDF:9426441.5/22

+ sign 0.004+/-0.000 χ^2/NDF: 20948858.7/56

All: 0.004+/-0.000 χ^2/NDF: 44232315.2/115

- sign 0.004+/-0.000 χ^2/NDF: 23229923.0/58

asym_sam4_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.006+/-0.023 χ^2/NDF: 57.3/31

Left Out: -0.024+/-0.030 χ^2/NDF:22.2/24

Right Out: -0.058+/-0.023 χ^2/NDF: 150.9/35

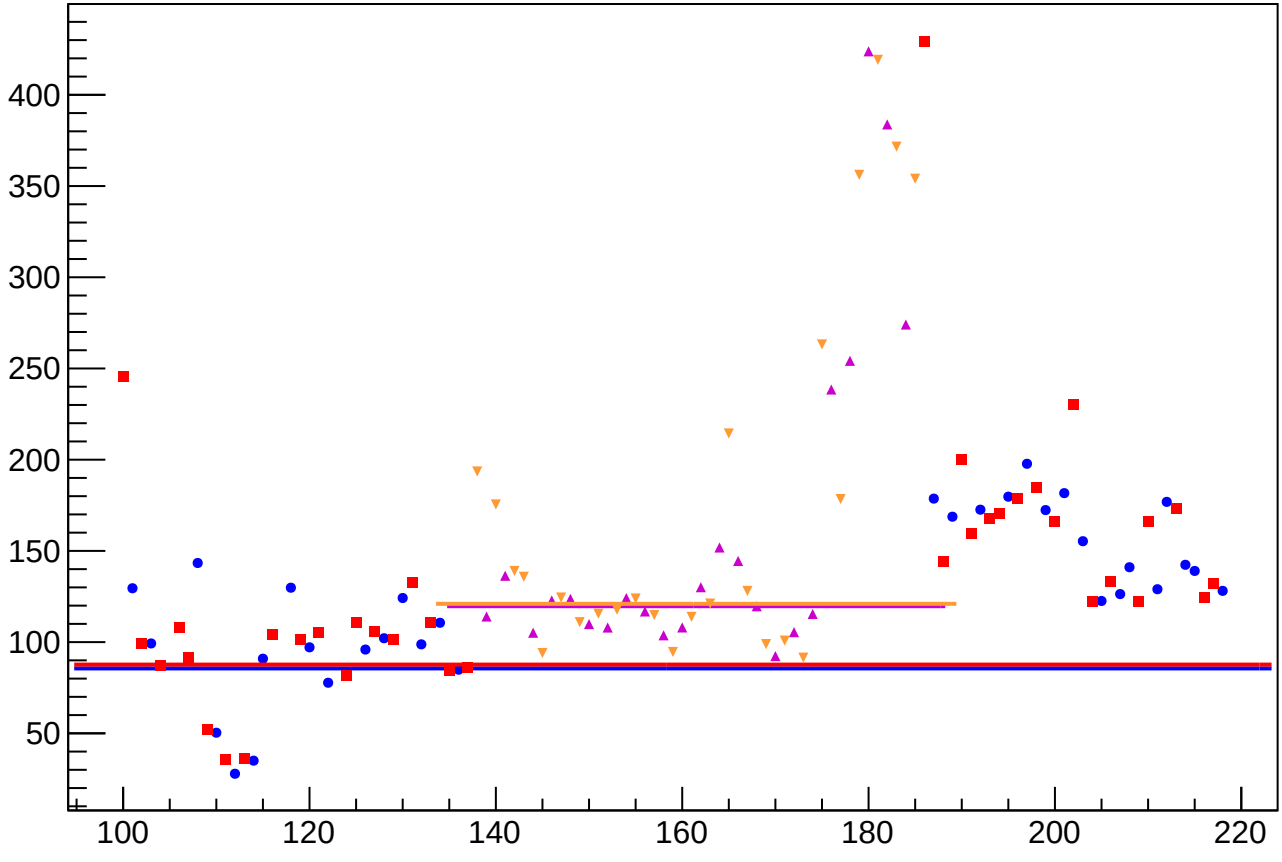
Left In: -0.019+/-0.030 χ^2/NDF:23.0/22

+ sign -0.005+/-0.018 χ^2/NDF: 80.1/56

All: -0.024+/-0.013 χ^2/NDF: 257.4/115

- sign -0.044+/-0.018 χ^2/NDF: 175.0/58

asym_sam4_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 85.573+/-0.016 χ^2/NDF: 10158839.3/31

Left Out: 121.000+/-0.021 χ^2/NDF:4095210.5/24

Right Out: 87.683+/-0.016 χ^2/NDF: 9525745.8/35

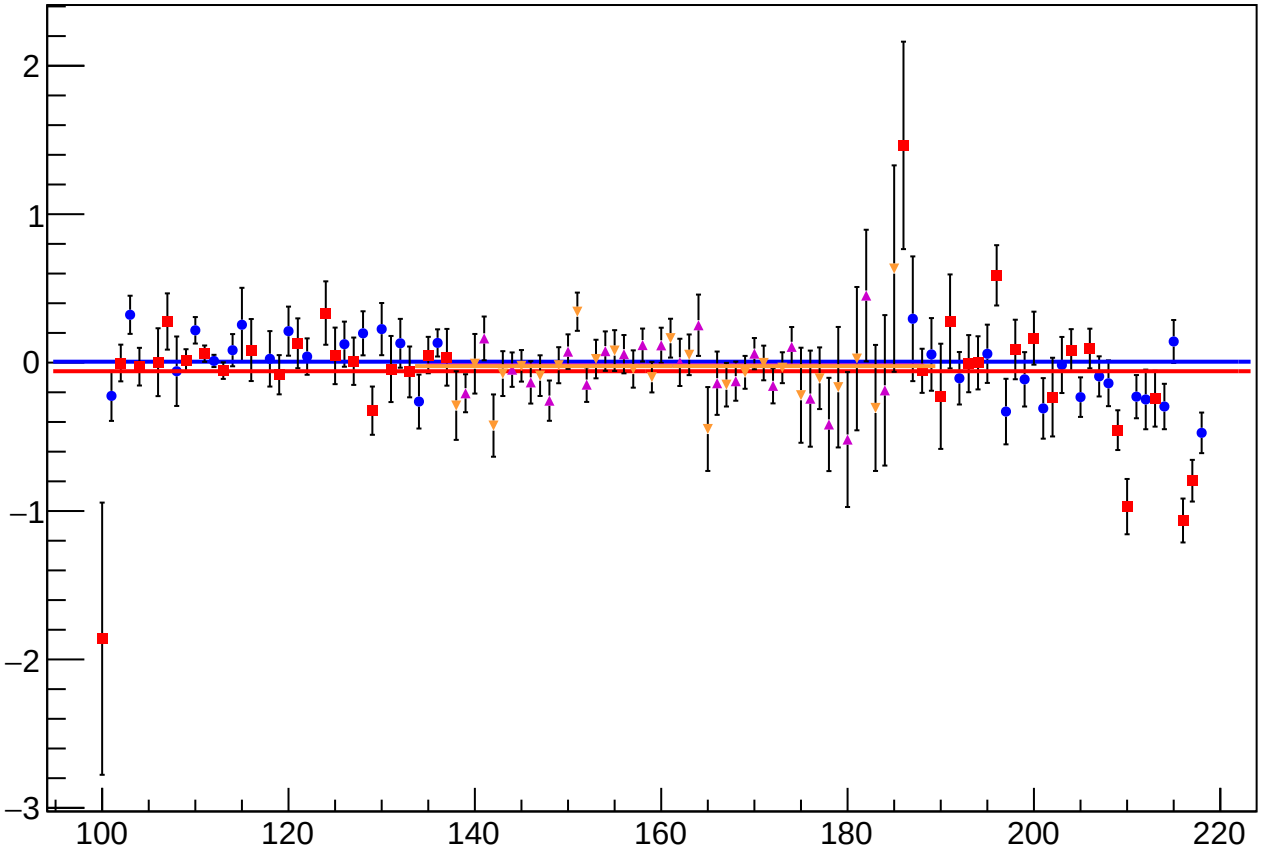
Left In: 119.680+/-0.021 χ^2/NDF:2838196.2/22

+ sign 98.603+/-0.013 χ^2/NDF: 16028728.9/56

All: 98.946+/-0.009 χ^2/NDF: 29822266.7/115

- sign 99.291+/-0.013 χ^2/NDF: 13792104.3/58

asym_sam4_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.006+/-0.023 χ^2/NDF: 57.3/31

Left Out: -0.024+/-0.030 χ^2/NDF:22.2/24

Right Out: -0.058+/-0.023 χ^2/NDF: 150.9/35

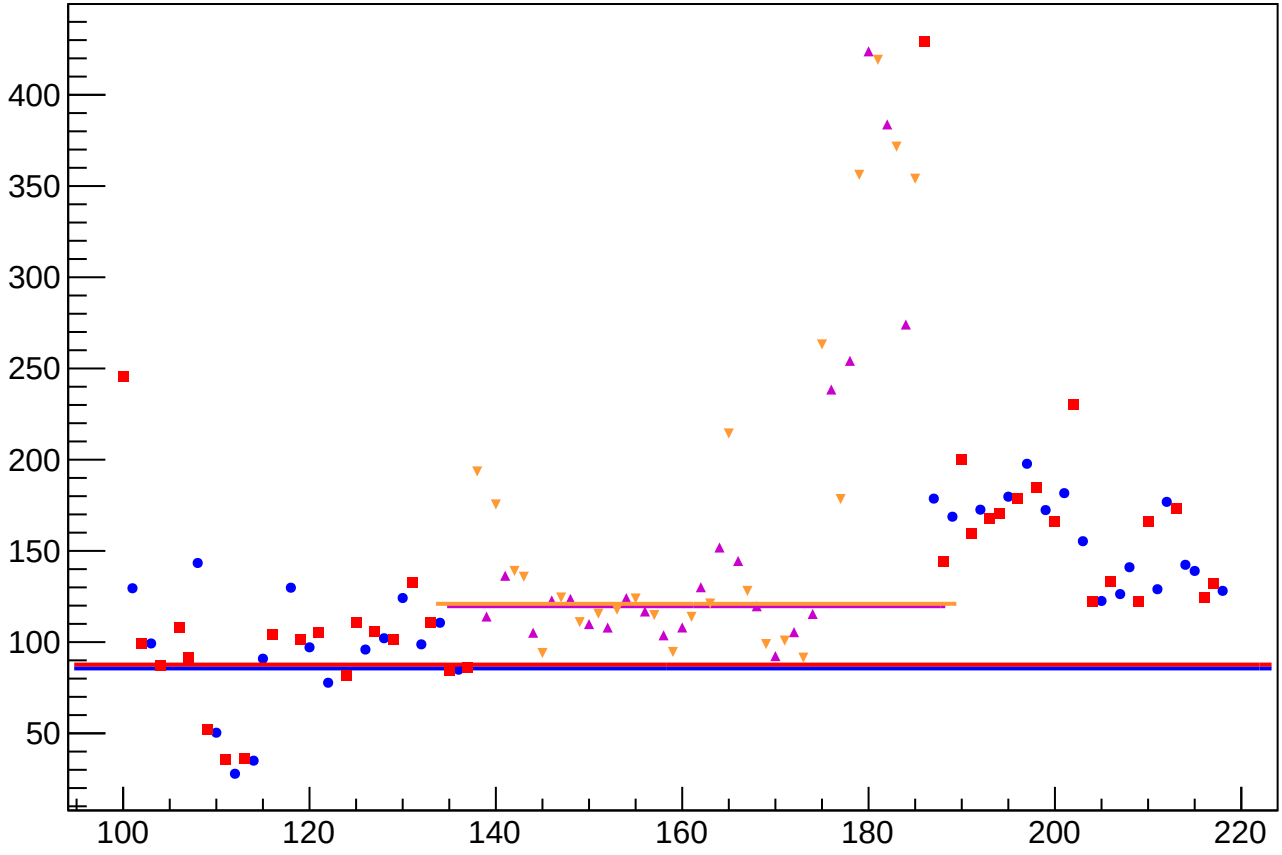
Left In: -0.019+/-0.030 χ^2/NDF:23.0/22

+ sign -0.005+/-0.018 χ^2/NDF: 80.1/56

All: -0.024+/-0.013 χ^2/NDF: 257.4/115

- sign -0.044+/-0.018 χ^2/NDF: 175.0/58

asym_sam4_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 85.573+/-0.016 χ^2/NDF: 10158839.3/31

Left Out: 121.000+/-0.021 χ^2/NDF:4095210.5/24

Right Out: 87.683+/-0.016 χ^2/NDF: 9525745.8/35

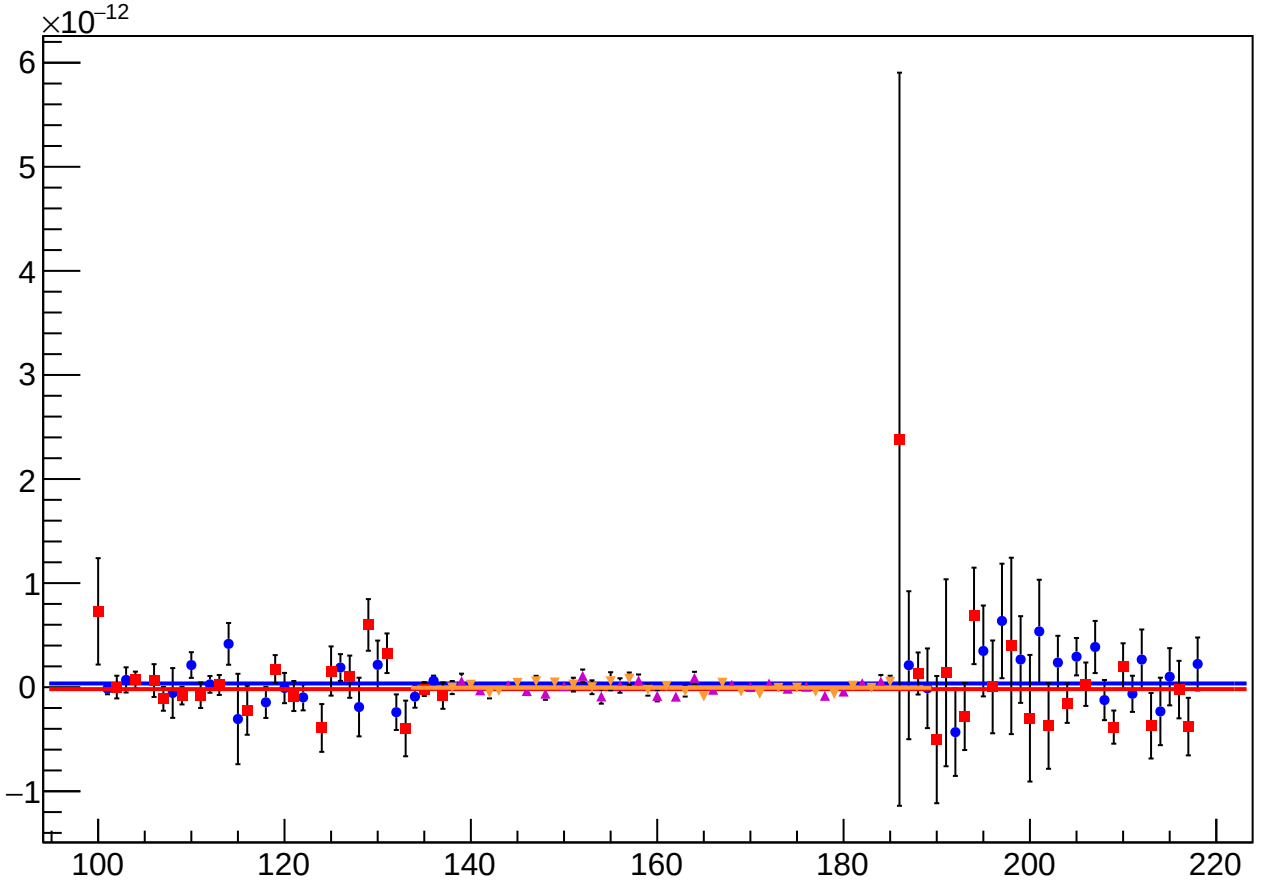
Left In: 119.680+/-0.021 χ^2/NDF:2838196.2/22

+ sign 98.603+/-0.013 χ^2/NDF: 16028728.9/56

All: 98.946+/-0.009 χ^2/NDF: 29822266.7/115

- sign 99.291+/-0.013 χ^2/NDF: 13792104.3/58

asym_sam4_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 28.9/31

Left Out: -0.000+/-0.000 χ^2/NDF:22.2/24

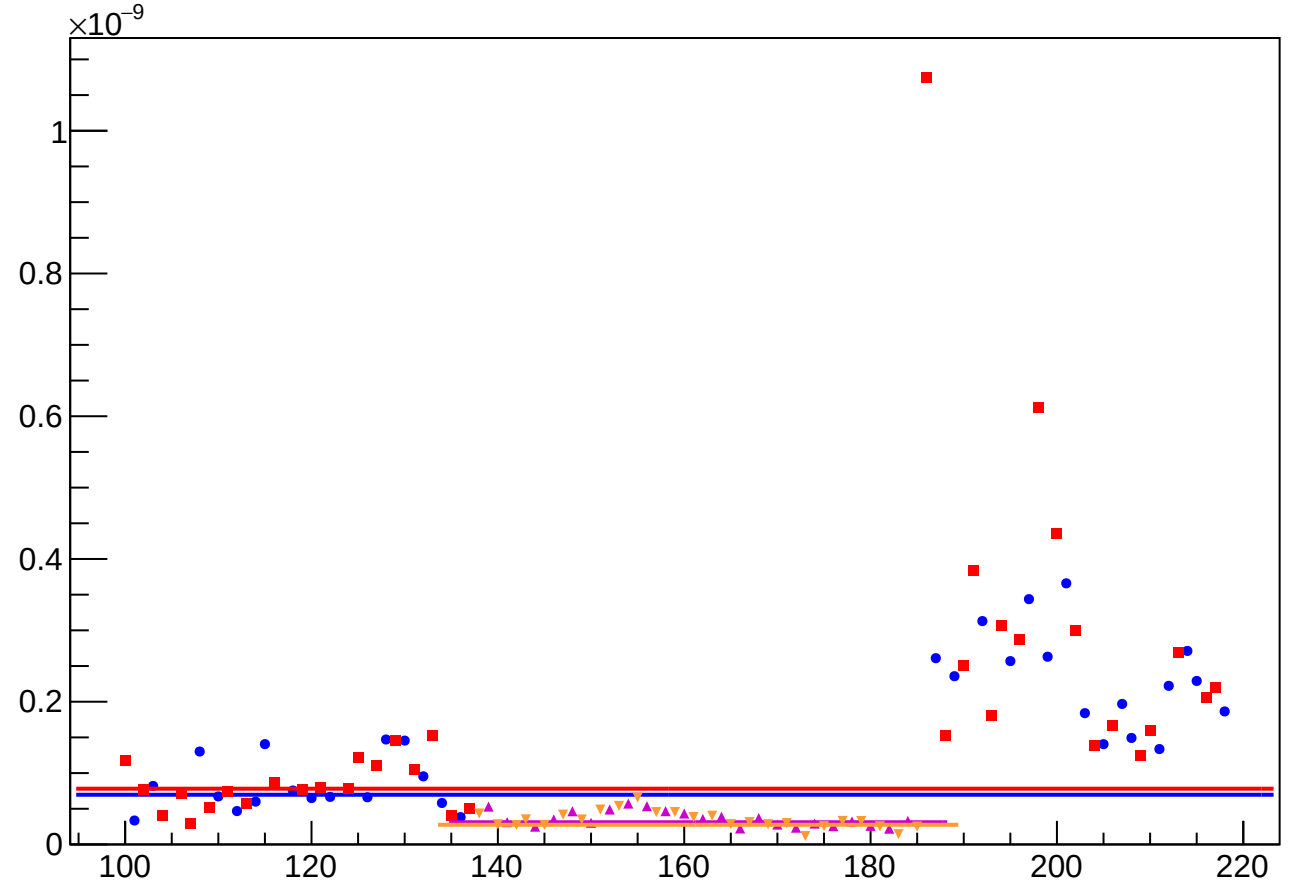
Right Out: -0.000+/-0.000 χ^2/NDF: 39.2/35

Left In: -0.000+/-0.000 χ^2/NDF:27.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 53.7/56

All: -0.000+/-0.000 χ^2/NDF: 120.8/115

- sign -0.000+/-0.000 χ^2/NDF: 67.1/58



Right In: 0.000+/-0.000 χ^2/NDF: 9959895.2/31

Left Out: 0.000+/-0.000 χ^2/NDF:3691738.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9044489.7/35

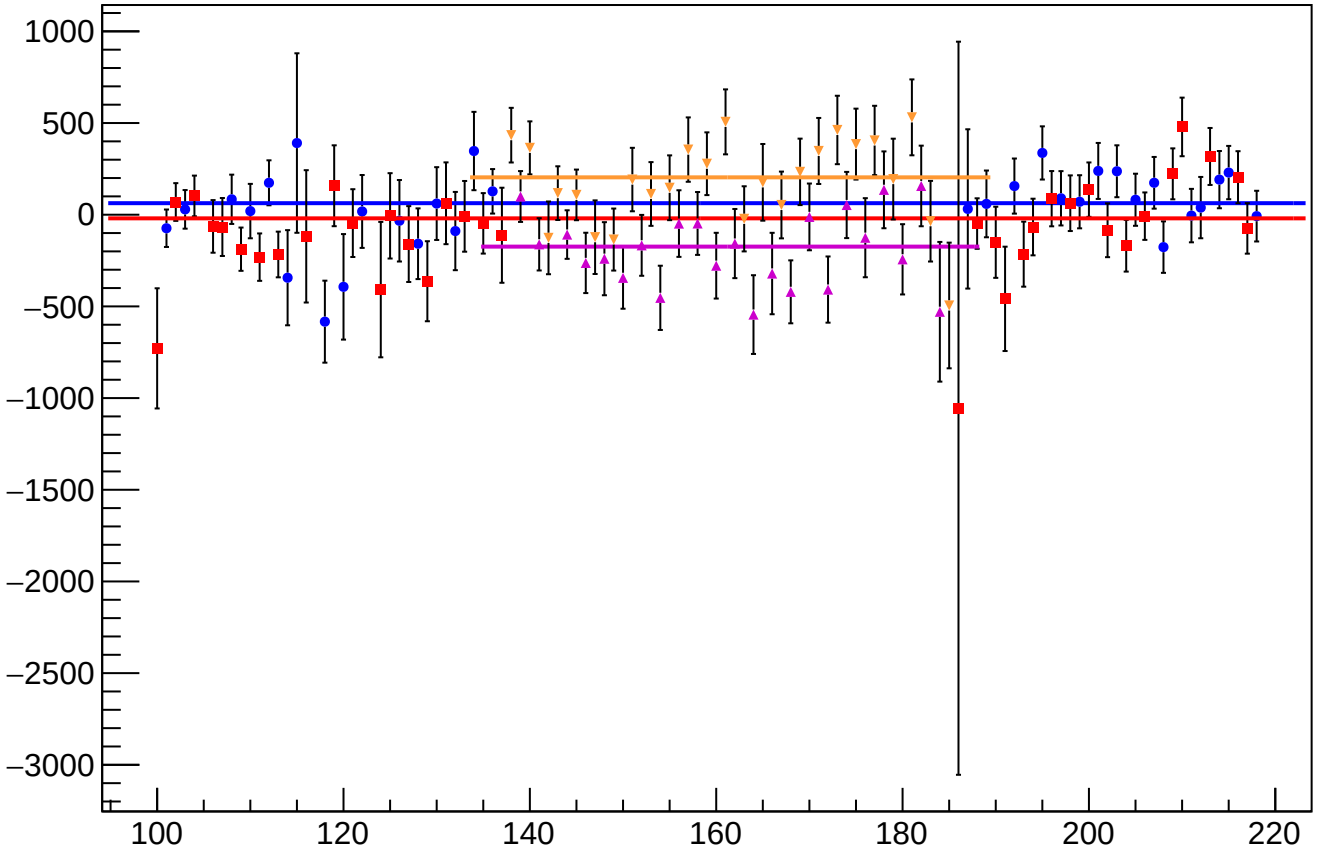
Left In: 0.000+/-0.000 χ^2/NDF:1937733.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 18969057.5/56

All: 0.000+/-0.000 χ^2/NDF: 35806332.5/115

- sign 0.000+/-0.000 χ^2/NDF: 16571788.0/58

reg_asym_sam5_mean vs Slug



Right In: 62.917+/-27.717 χ^2/NDF: 33.6/31

Left Out: 203.760+/-35.878 χ^2/NDF:32.9/24

Right Out: -19.840+/-26.862 χ^2/NDF: 47.0/35

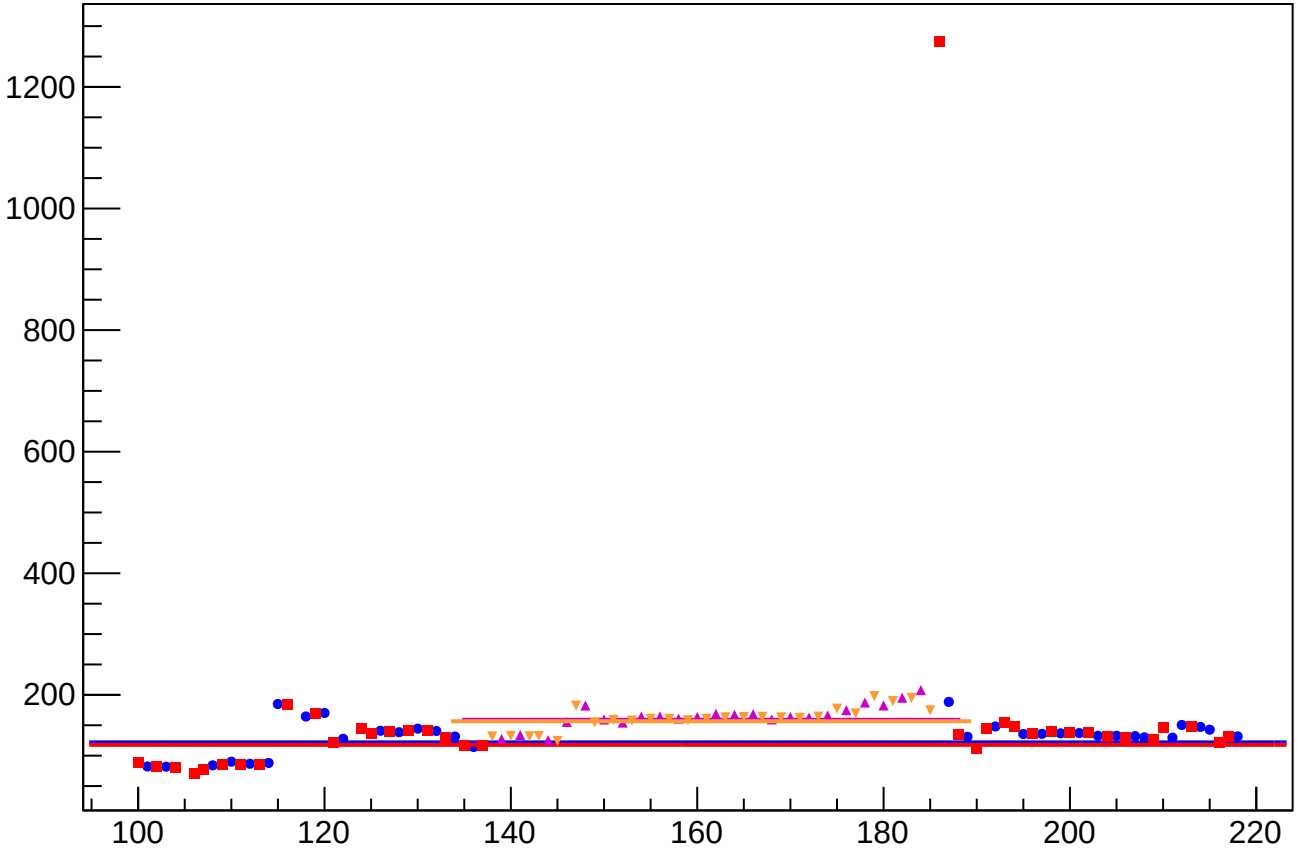
Left In: -173.974+/-37.405 χ^2/NDF:24.5/22

+ sign 115.558+/-21.934 χ^2/NDF: 76.1/56

All: 21.142+/-15.469 χ^2/NDF: 195.7/115

- sign -72.285+/-21.819 χ^2/NDF: 82.7/58

reg_asym_sam5_rms vs Slug



Right In: 121.833+/-0.020 χ^2/NDF: 1686020.5/31

Left Out: 156.638+/-0.025 χ^2/NDF:582414.4/24

Right Out: 117.758+/-0.019 χ^2/NDF: 2746493.0/35

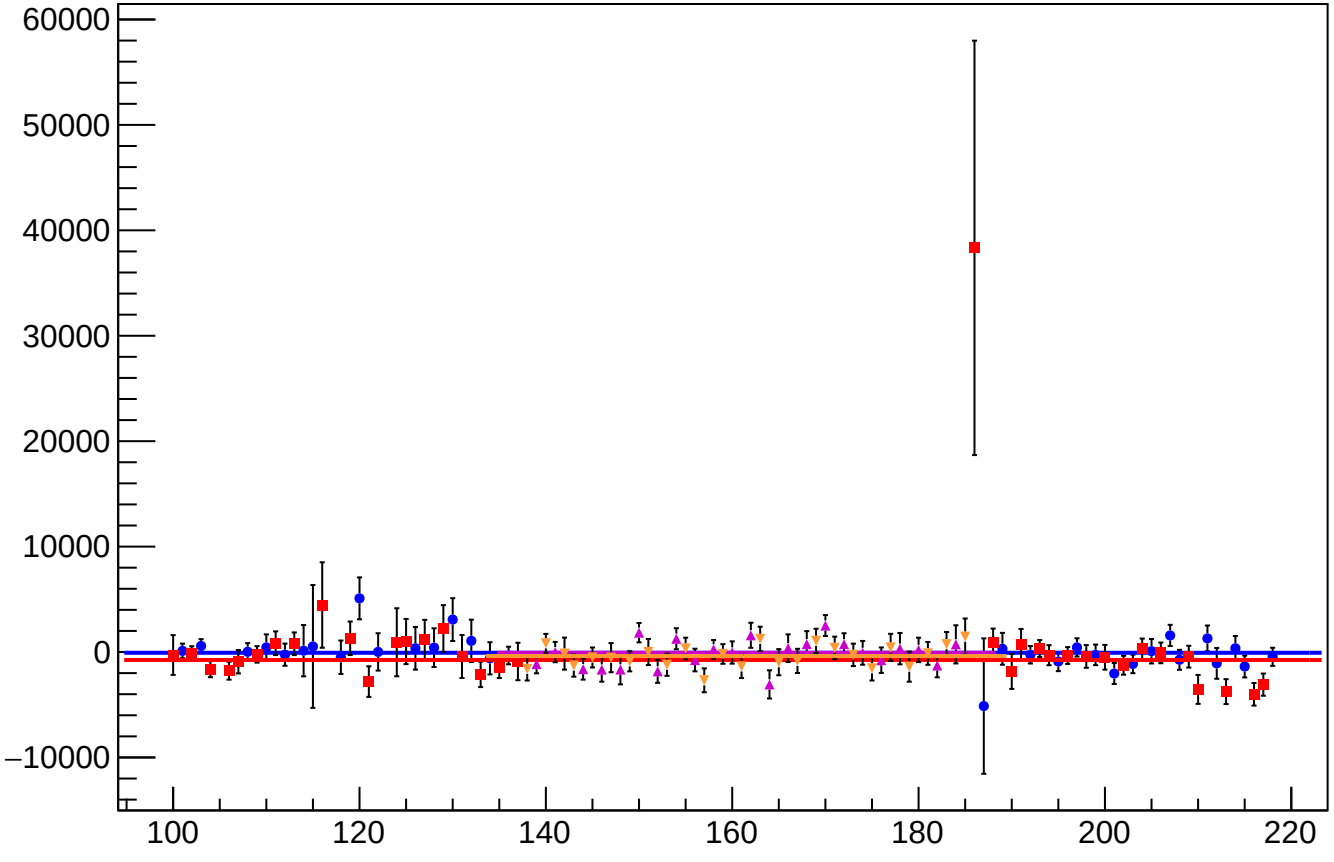
Left In: 158.952+/-0.026 χ^2/NDF:511321.2/22

+ sign 134.842+/-0.016 χ^2/NDF: 3447125.0/56

All: 133.300+/-0.011 χ^2/NDF: 8324927.6/115

- sign 131.774+/-0.015 χ^2/NDF: 4858140.2/58

asym_sam5_reg_correction_mean vs Slug



Right In: -69.690+/-194.463 χ^2/NDF: 25.3/31

Left Out: -380.690+/-224.554 χ^2/NDF:18.7/24

Right Out: -753.782+/-188.031 χ^2/NDF: 55.6/35

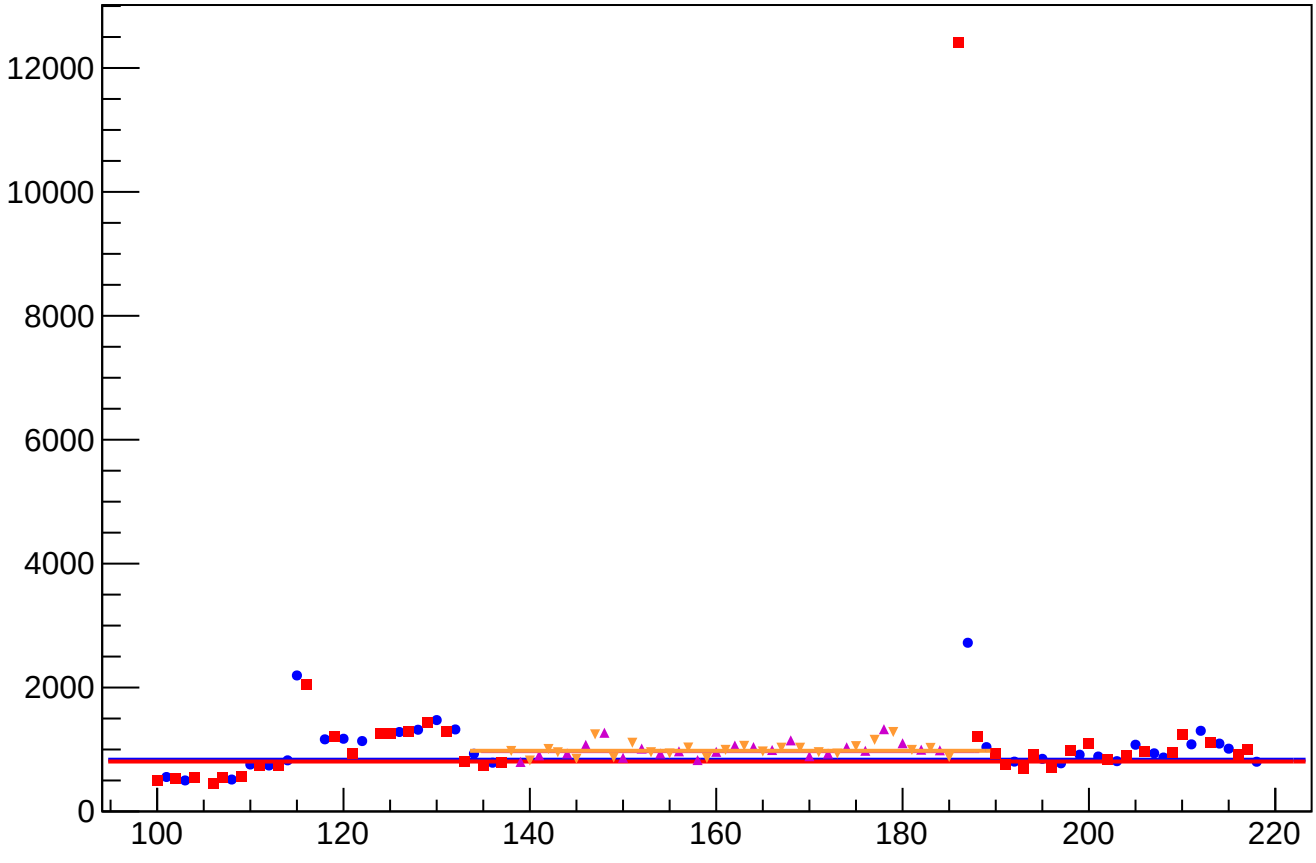
Left In: -74.440+/-229.788 χ^2/NDF:33.1/22

+ sign -202.971+/-147.002 χ^2/NDF: 45.2/56

All: -343.561+/-103.419 χ^2/NDF: 140.8/115

- sign -481.332+/-145.521 χ^2/NDF: 93.9/58

asym_sam5_reg_correction_rms vs Slug



Right In: 835.231+/-0.138 χ^2/NDF: 2871666.8/31

Left Out: 979.111+/-0.159 χ^2/NDF:429795.3/24

Right Out: 805.895+/-0.133 χ^2/NDF: 3935397.1/35

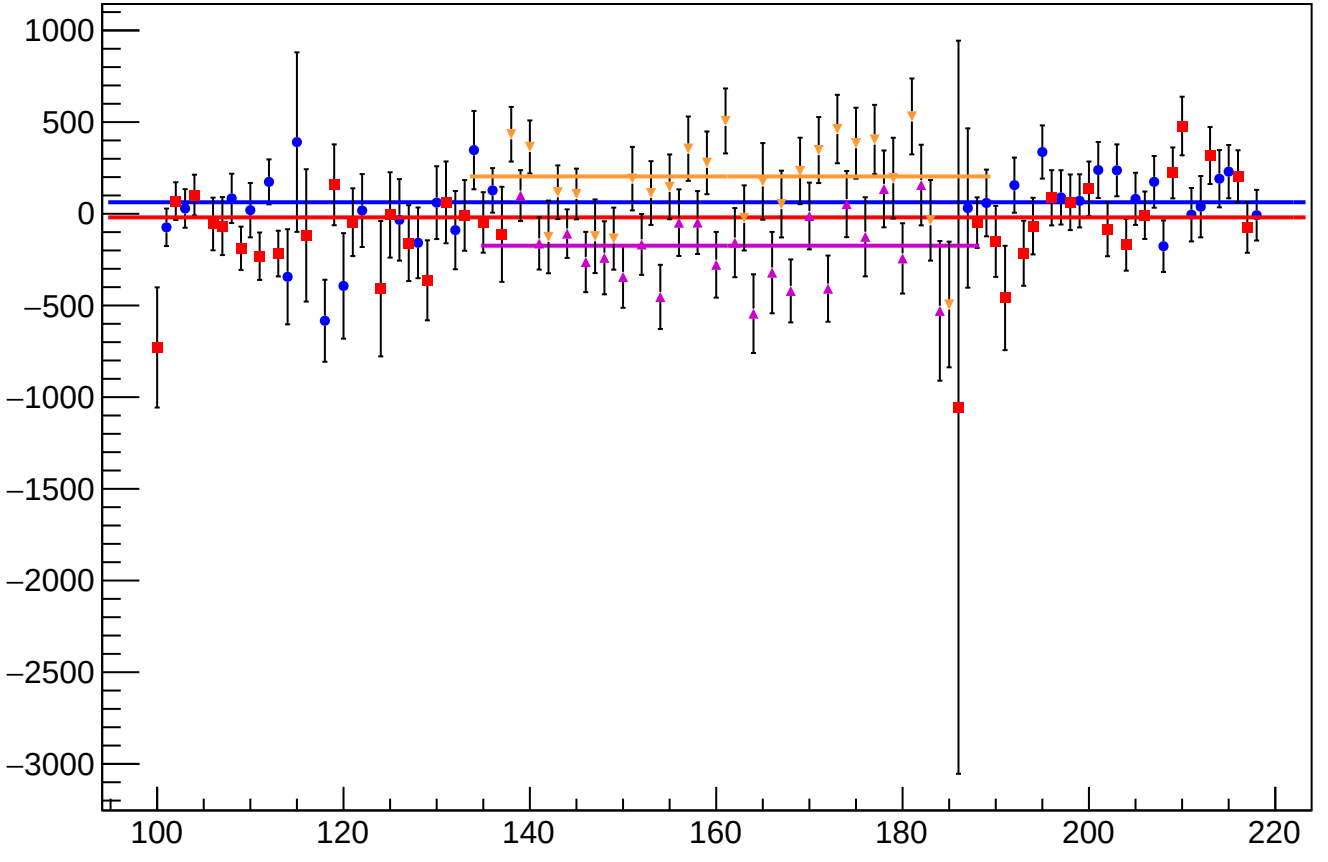
Left In: 973.818+/-0.162 χ^2/NDF:498612.7/22

+ sign 896.892+/-0.104 χ^2/NDF: 3770671.4/56

All: 884.946+/-0.073 χ^2/NDF: 8870543.6/115

- sign 873.240+/-0.103 χ^2/NDF: 5073723.6/58

cor_asym_sam5_mean vs Slug



Right In: 62.916+/-27.717 χ^2/NDF: 33.6/31

Left Out: 203.766+/-35.878 χ^2/NDF:32.9/24

Right Out: -19.574+/-26.863 χ^2/NDF: 46.9/35

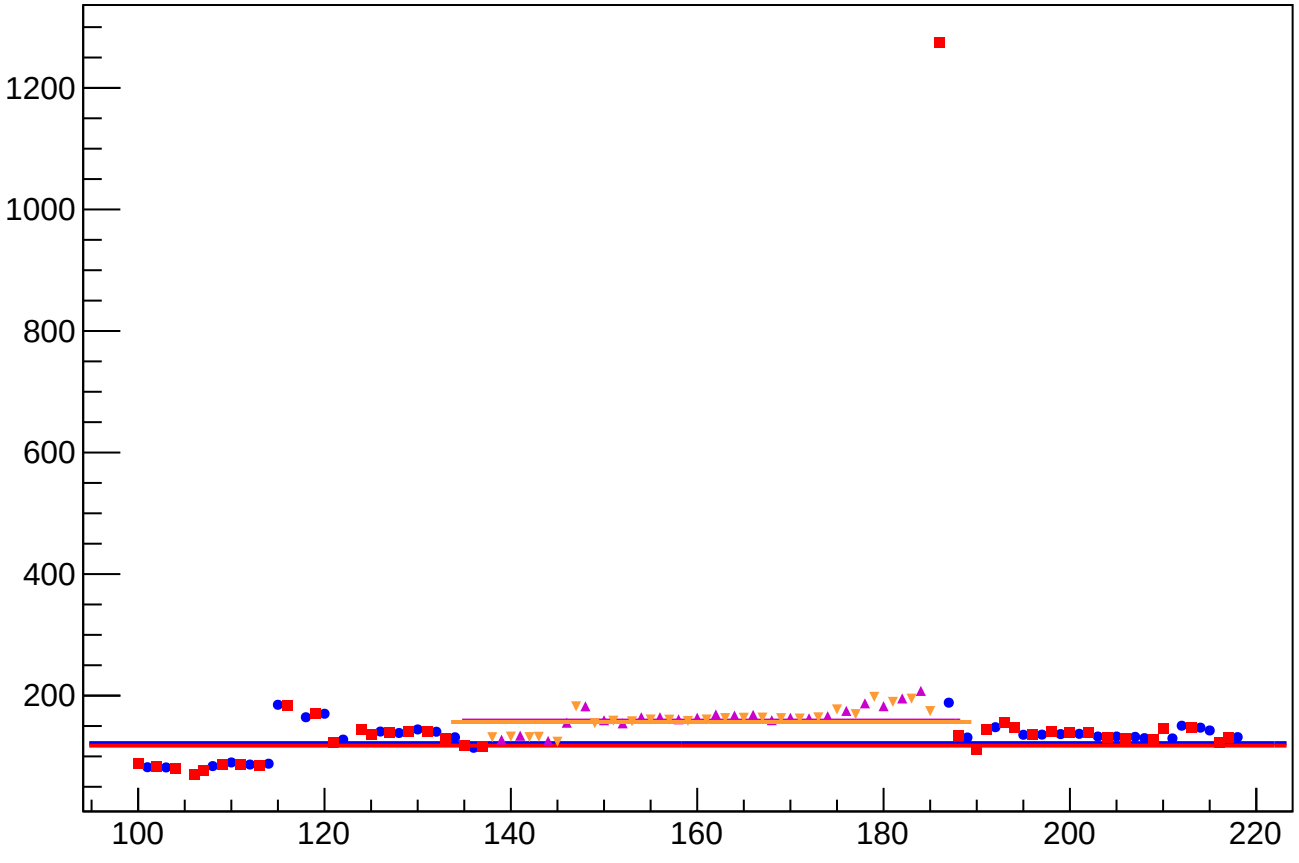
Left In: -173.978+/-37.405 χ^2/NDF:24.5/22

+ sign 115.560+/-21.934 χ^2/NDF: 76.1/56

All: 21.232+/-15.469 χ^2/NDF: 195.6/115

- sign -72.113+/-21.819 χ^2/NDF: 82.7/58

cor_asym_sam5_rms vs Slug



Right In: 121.833+/-0.020 χ^2/NDF: 1686019.1/31

Left Out: 156.638+/-0.025 χ^2/NDF:582414.5/24

Right Out: 117.747+/-0.019 χ^2/NDF: 2749828.2/35

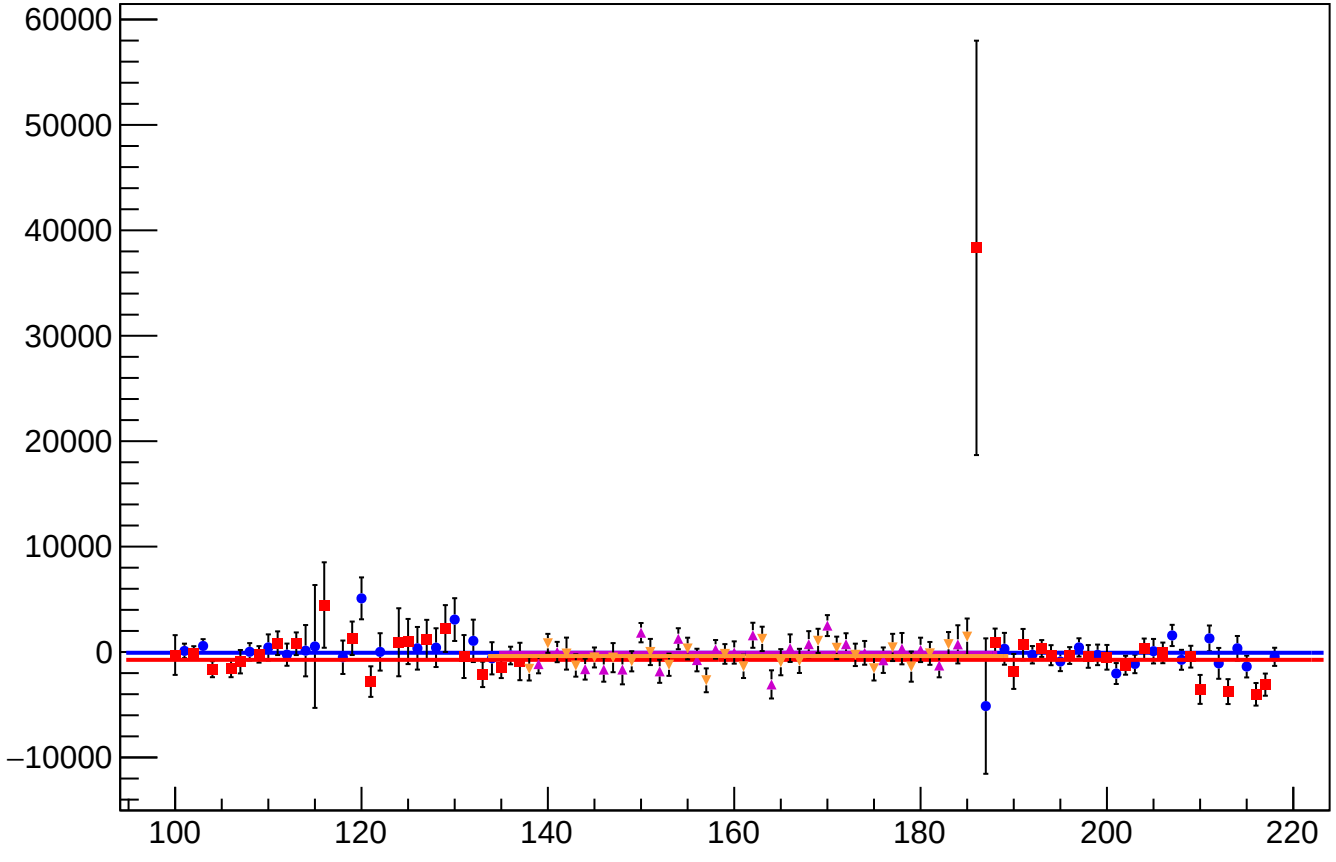
Left In: 158.952+/-0.026 χ^2/NDF:511321.3/22

+ sign 134.842+/-0.016 χ^2/NDF: 3447123.0/56

All: 133.297+/-0.011 χ^2/NDF: 8329135.3/115

- sign 131.768+/-0.015 χ^2/NDF: 4862268.2/58

asym_sam5_cor_correction_mean vs Slug



Right In: -69.686+/-194.463 χ^2/NDF: 25.3/31

Left Out: -380.678+/-224.554 χ^2/NDF:18.7/24

Right Out: -741.374+/-188.092 χ^2/NDF: 55.0/35

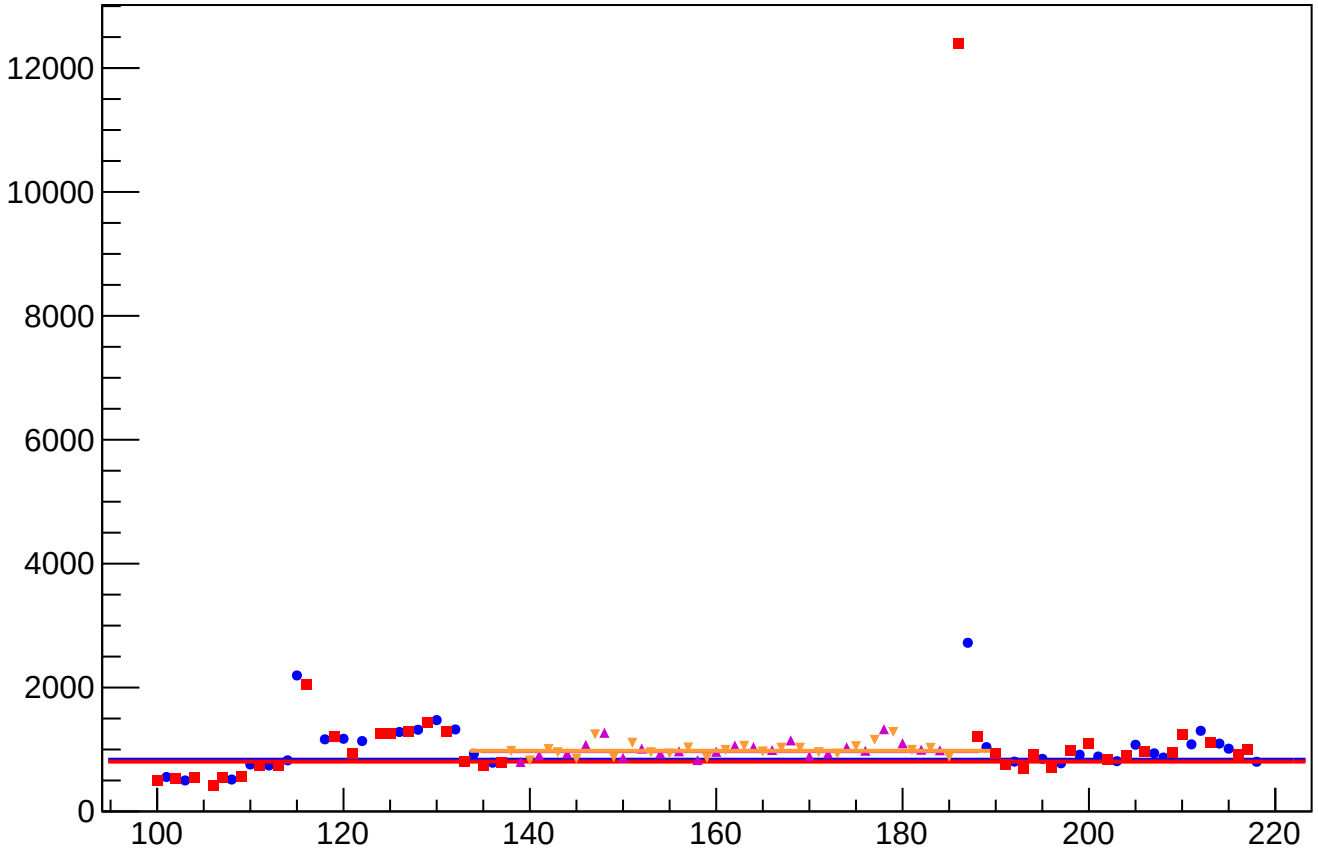
Left In: -74.438+/-229.788 χ^2/NDF:33.1/22

+ sign -202.963+/-147.002 χ^2/NDF: 45.2/56

All: -339.726+/-103.429 χ^2/NDF: 139.9/115

- sign -473.797+/-145.549 χ^2/NDF: 93.1/58

asym_sam5_cor_correction_rms vs Slug



Right In: 835.231+/-0.138 χ^2/NDF: 2871670.1/31

Left Out: 979.112+/-0.159 χ^2/NDF:429793.5/24

Right Out: 804.939+/-0.133 χ^2/NDF: 3980160.9/35

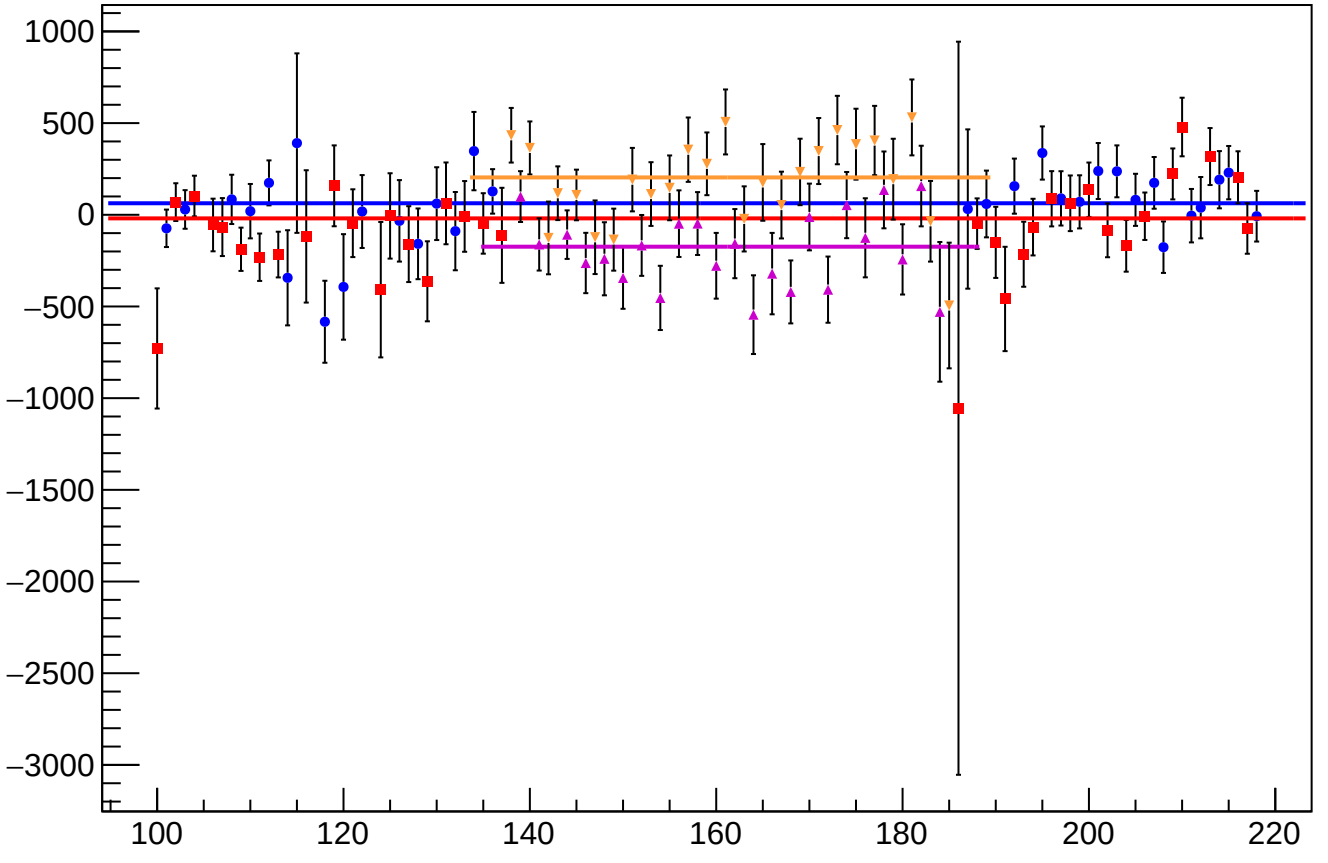
Left In: 973.818+/-0.162 χ^2/NDF:498615.1/22

+ sign 896.892+/-0.104 χ^2/NDF: 3770675.7/56

All: 884.673+/-0.073 χ^2/NDF: 8923670.8/115

- sign 872.694+/-0.103 χ^2/NDF: 5125628.8/58

eigen_cor_asym_sam5_mean vs Slug



Right In: 62.916+/-27.717 χ^2/NDF: 33.6/31

Left Out: 203.766+/-35.878 χ^2/NDF:32.9/24

Right Out: -19.574+/-26.863 χ^2/NDF: 46.9/35

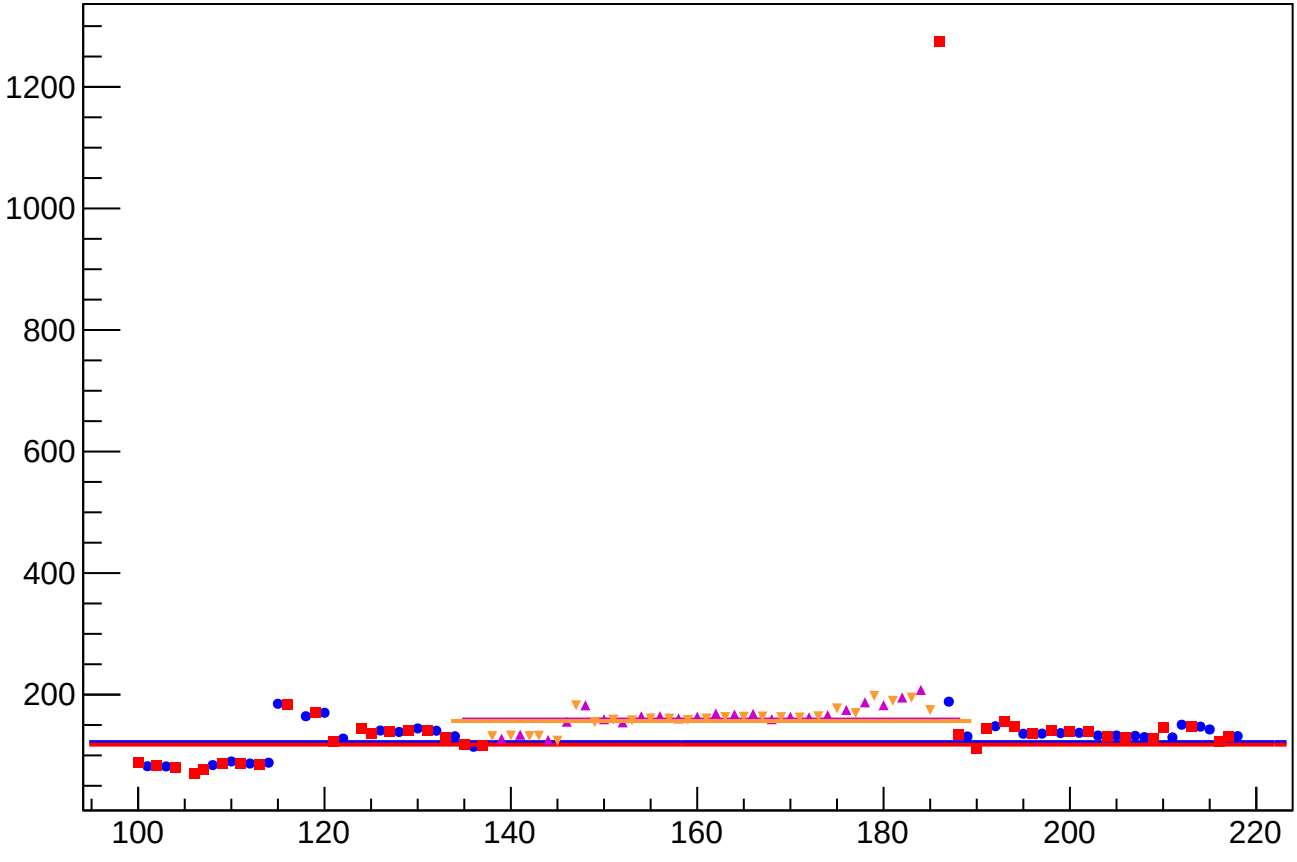
Left In: -173.978+/-37.405 χ^2/NDF:24.5/22

+ sign 115.560+/-21.934 χ^2/NDF: 76.1/56

All: 21.232+/-15.469 χ^2/NDF: 195.6/115

- sign -72.113+/-21.819 χ^2/NDF: 82.7/58

eigen_cor_asym_sam5_rms vs Slug



Right In: 121.833+/-0.020 χ^2/NDF: 1686019.1/31

Left Out: 156.638+/-0.025 χ^2/NDF:582414.5/24

Right Out: 117.747+/-0.019 χ^2/NDF: 2749828.2/35

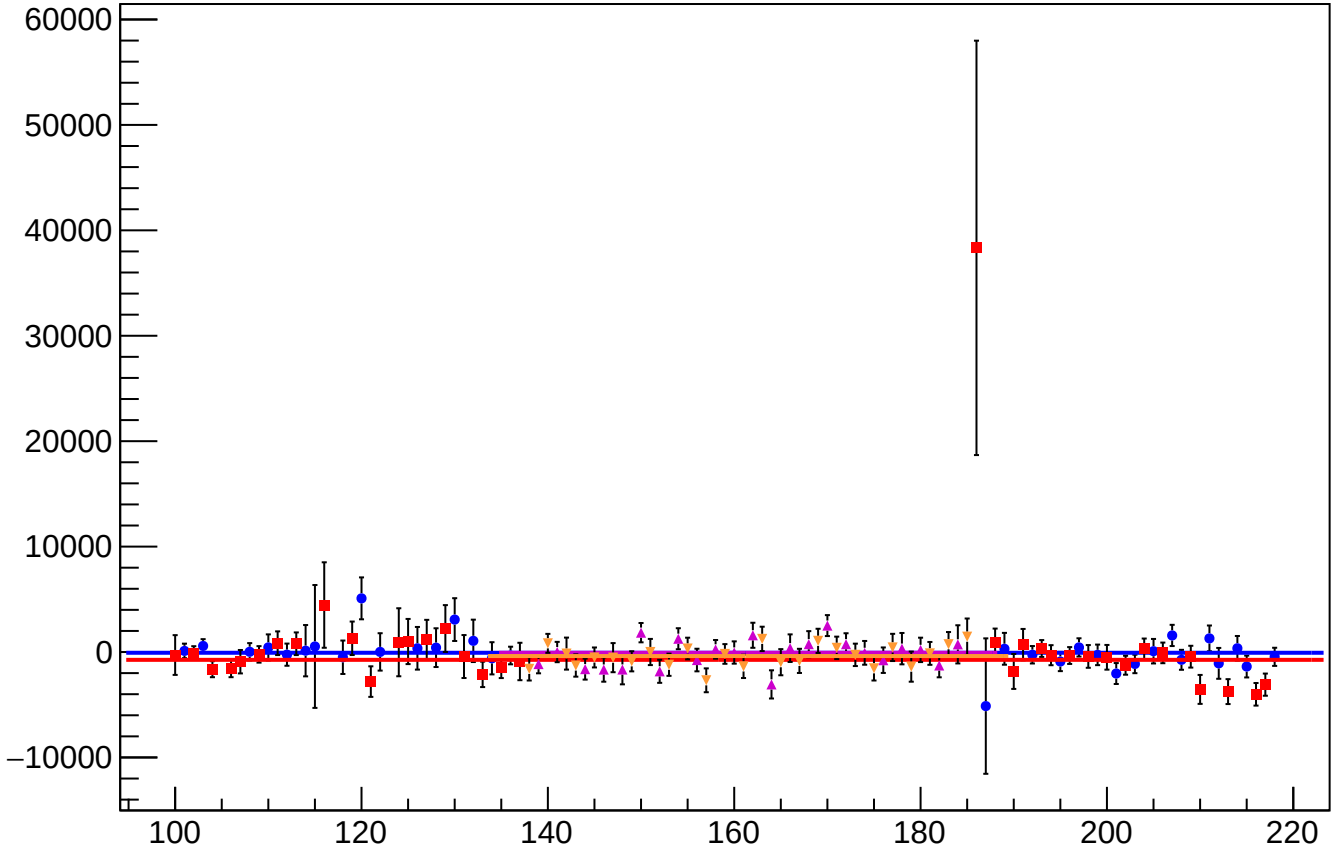
Left In: 158.952+/-0.026 χ^2/NDF:511321.3/22

+ sign 134.842+/-0.016 χ^2/NDF: 3447123.0/56

All: 133.297+/-0.011 χ^2/NDF: 8329135.3/115

- sign 131.768+/-0.015 χ^2/NDF: 4862268.2/58

asym_sam5_eigen_cor_correction_mean vs Slug



Right In: -69.686+/-194.463 χ^2/NDF: 25.3/31

Left Out: -380.678+/-224.554 χ^2/NDF:18.7/24

Right Out: -741.374+/-188.092 χ^2/NDF: 55.0/35

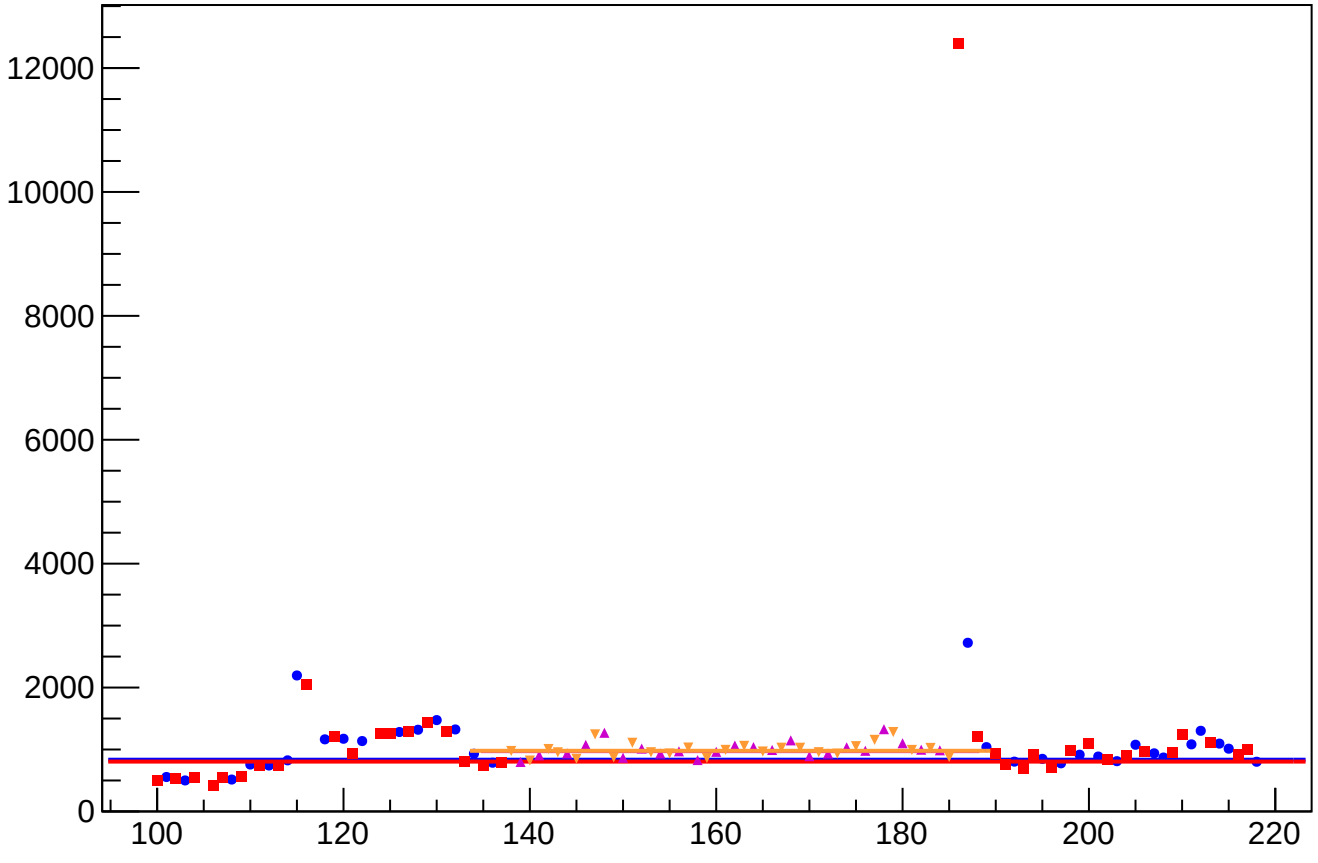
Left In: -74.438+/-229.788 χ^2/NDF:33.1/22

+ sign -202.963+/-147.002 χ^2/NDF: 45.2/56

All: -339.726+/-103.429 χ^2/NDF: 139.9/115

- sign -473.797+/-145.549 χ^2/NDF: 93.1/58

asym_sam5_eigen_cor_correction_rms vs Slug



Right In: 835.231+/-0.138 χ^2/NDF: 2871670.1/31

Left Out: 979.112+/-0.159 χ^2/NDF:429793.5/24

Right Out: 804.939+/-0.133 χ^2/NDF: 3980160.9/35

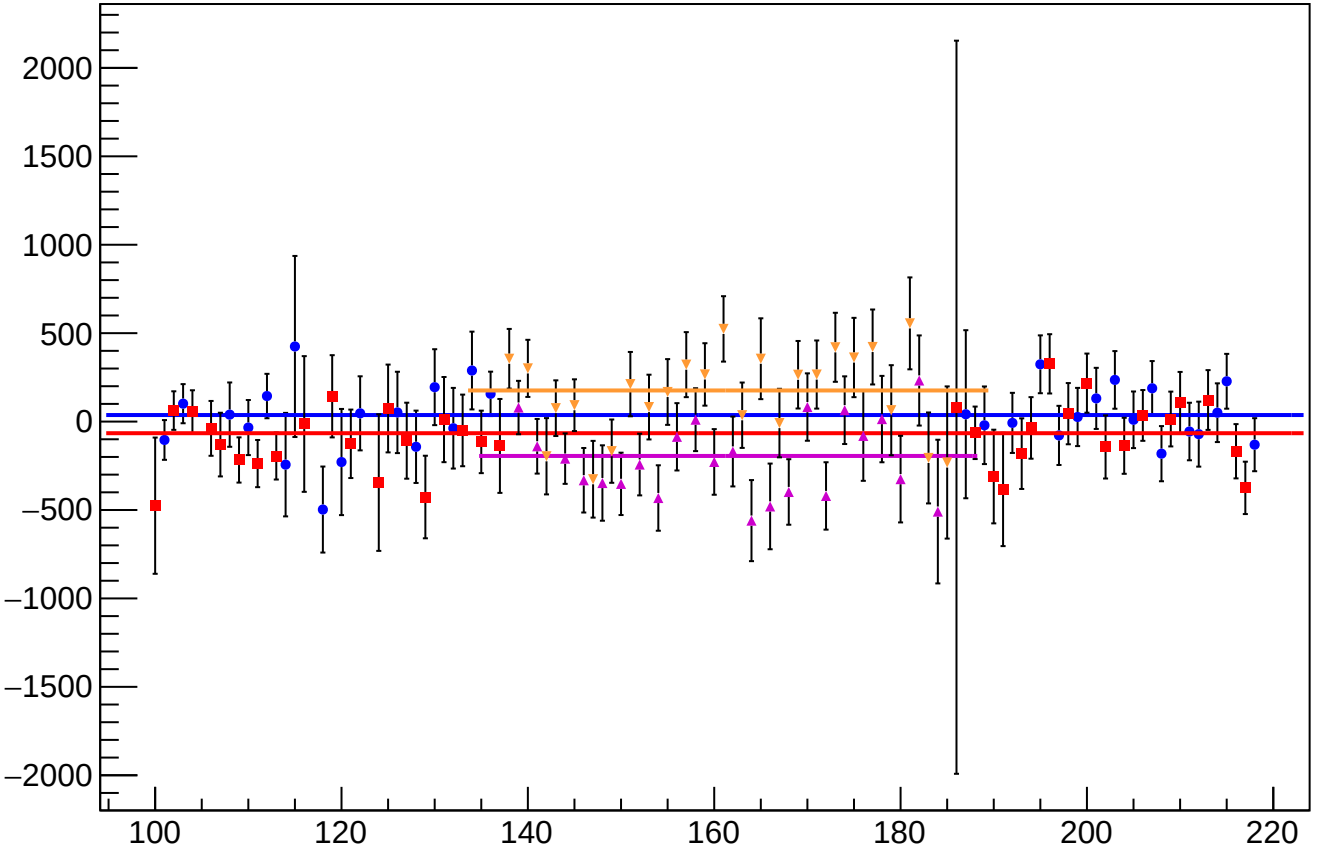
Left In: 973.818+/-0.162 χ^2/NDF:498615.1/22

+ sign 896.892+/-0.104 χ^2/NDF: 3770675.7/56

All: 884.673+/-0.073 χ^2/NDF: 8923670.8/115

- sign 872.694+/-0.103 χ^2/NDF: 5125628.8/58

dit_asym_sam5_mean vs Slug



Right In: 37.015+/-30.386 χ^2/NDF: 25.5/31

Left Out: 176.010+/-38.838 χ^2/NDF:30.8/24

Right Out: -65.717+/-29.382 χ^2/NDF: 31.3/35

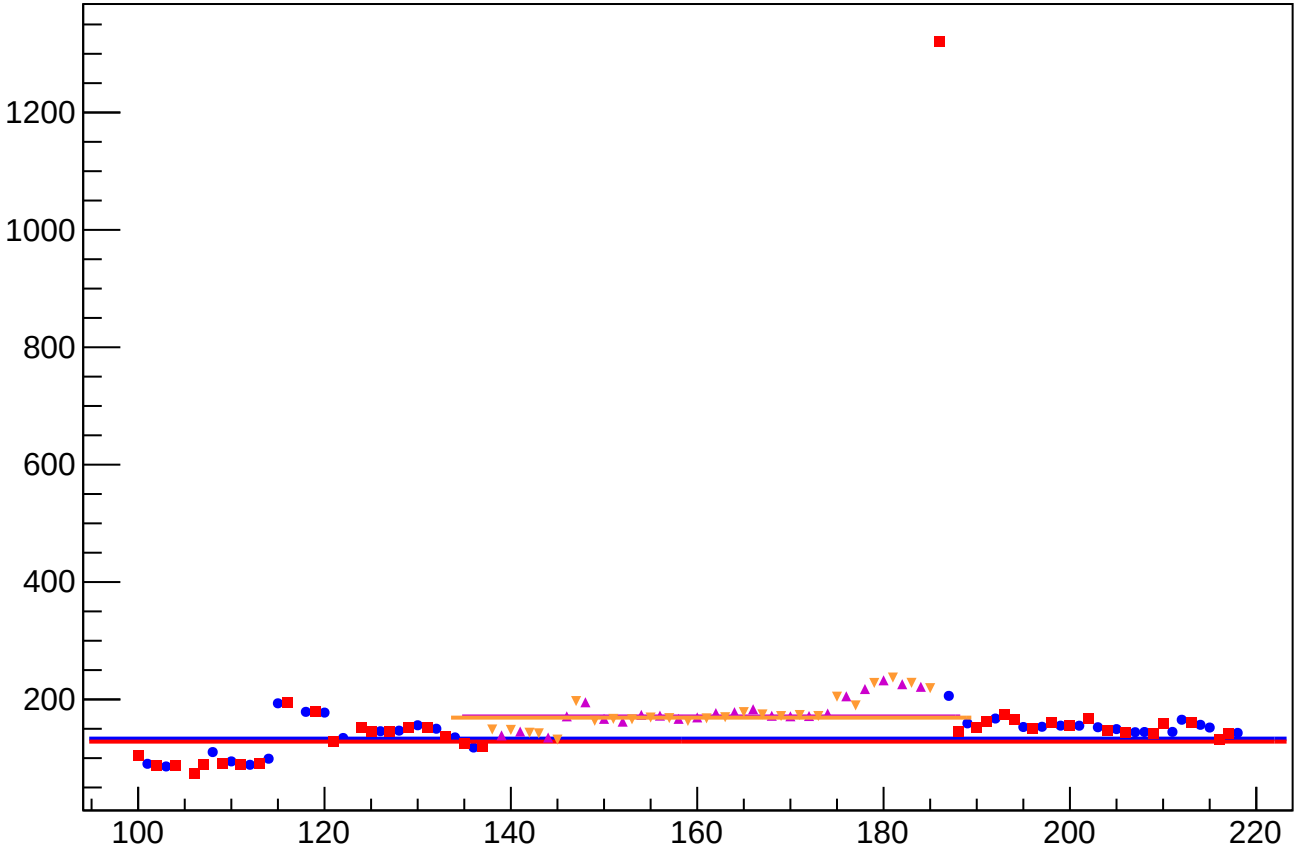
Left In: -194.324+/-40.384 χ^2/NDF:23.8/22

+ sign 89.792+/-23.932 χ^2/NDF: 64.2/56

All: -10.945+/-16.861 χ^2/NDF: 161.1/115

- sign -110.232+/-23.759 χ^2/NDF: 61.7/58

dit_asym_sam5_rms vs Slug



Right In: 133.239+/-0.021 χ^2/NDF: 1815229.0/31

Left Out: 169.009+/-0.027 χ^2/NDF:773937.9/24

Right Out: 128.128+/-0.021 χ^2/NDF: 3012440.7/35

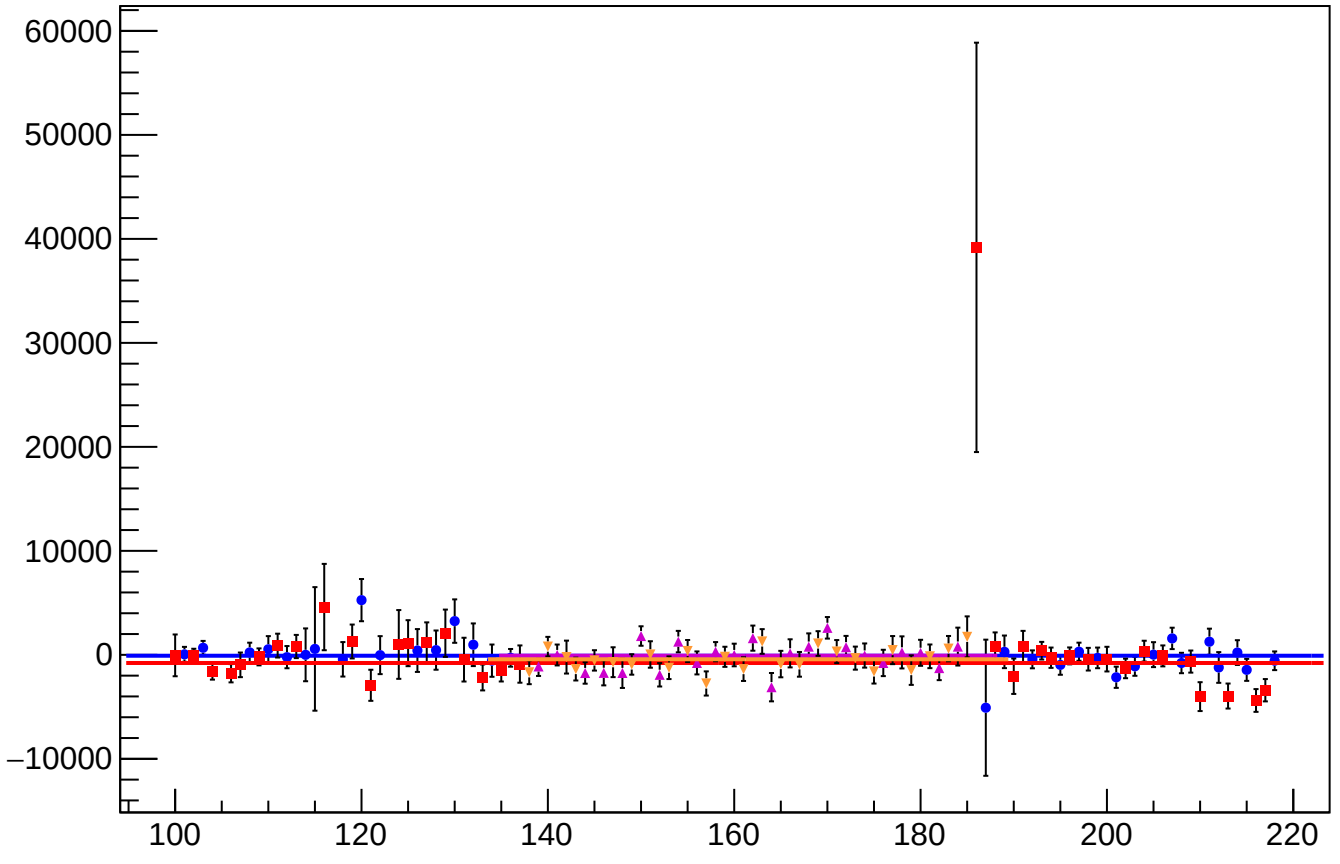
Left In: 171.021+/-0.029 χ^2/NDF:678106.1/22

+ sign 146.821+/-0.017 χ^2/NDF: 3641562.5/56

All: 144.884+/-0.012 χ^2/NDF: 8833437.7/115

- sign 142.975+/-0.017 χ^2/NDF: 5165859.3/58

asym_sam5_dit_correction_mean vs Slug



Right In: -85.495+/-201.086 χ^2/NDF: 26.0/31

Left Out: -425.819+/-232.561 χ^2/NDF:18.4/24

Right Out: -782.963+/-193.899 χ^2/NDF: 60.6/35

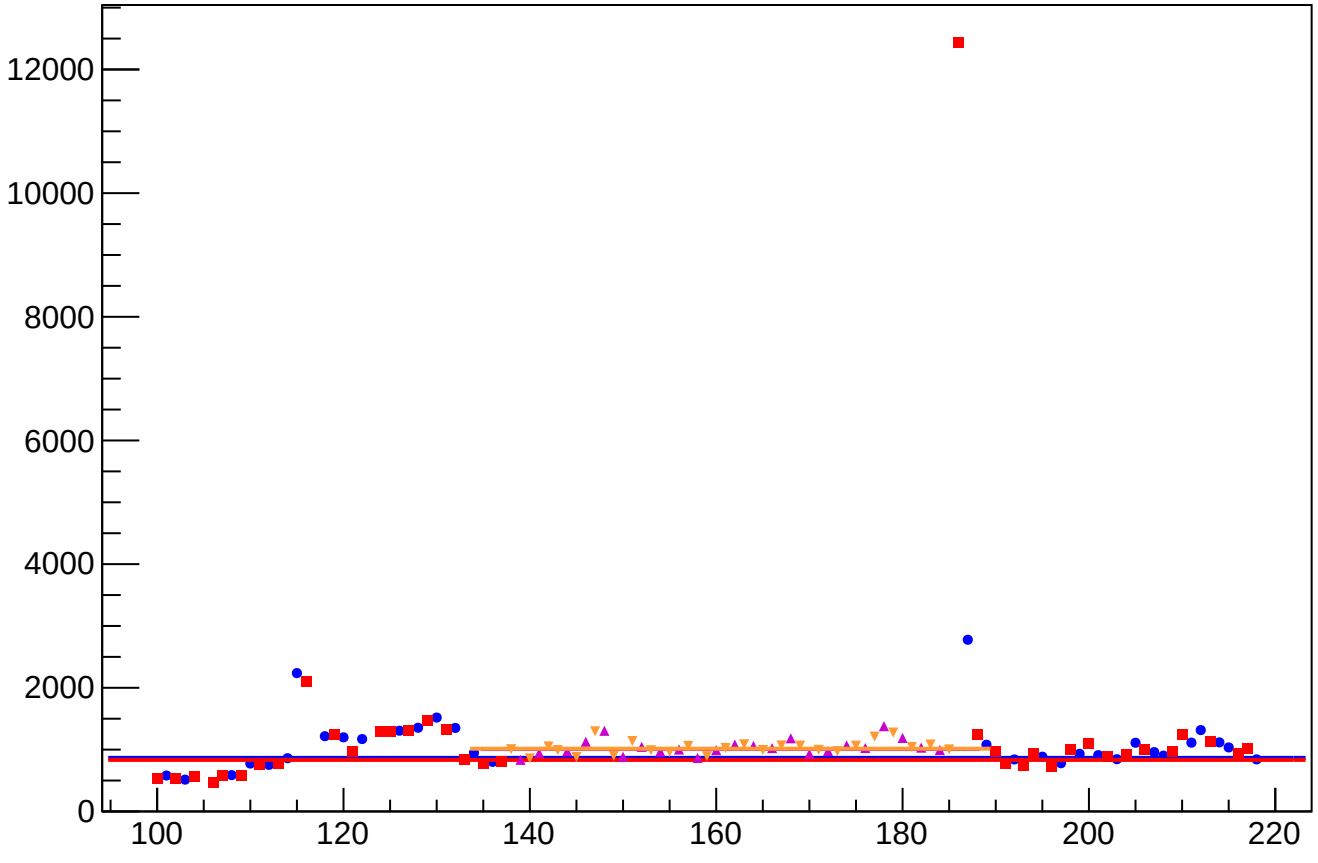
Left In: -86.486+/-238.155 χ^2/NDF:32.4/22

+ sign -231.085+/-152.109 χ^2/NDF: 45.6/56

All: -369.786+/-106.935 χ^2/NDF: 145.4/115

- sign -505.324+/-150.365 χ^2/NDF: 98.1/58

asym_sam5_dit_correction_rms vs Slug



Right In: 866.634+/-0.142 χ^2/NDF: 2691205.4/31

Left Out: 1015.046+/-0.164 χ^2/NDF:397966.2/24

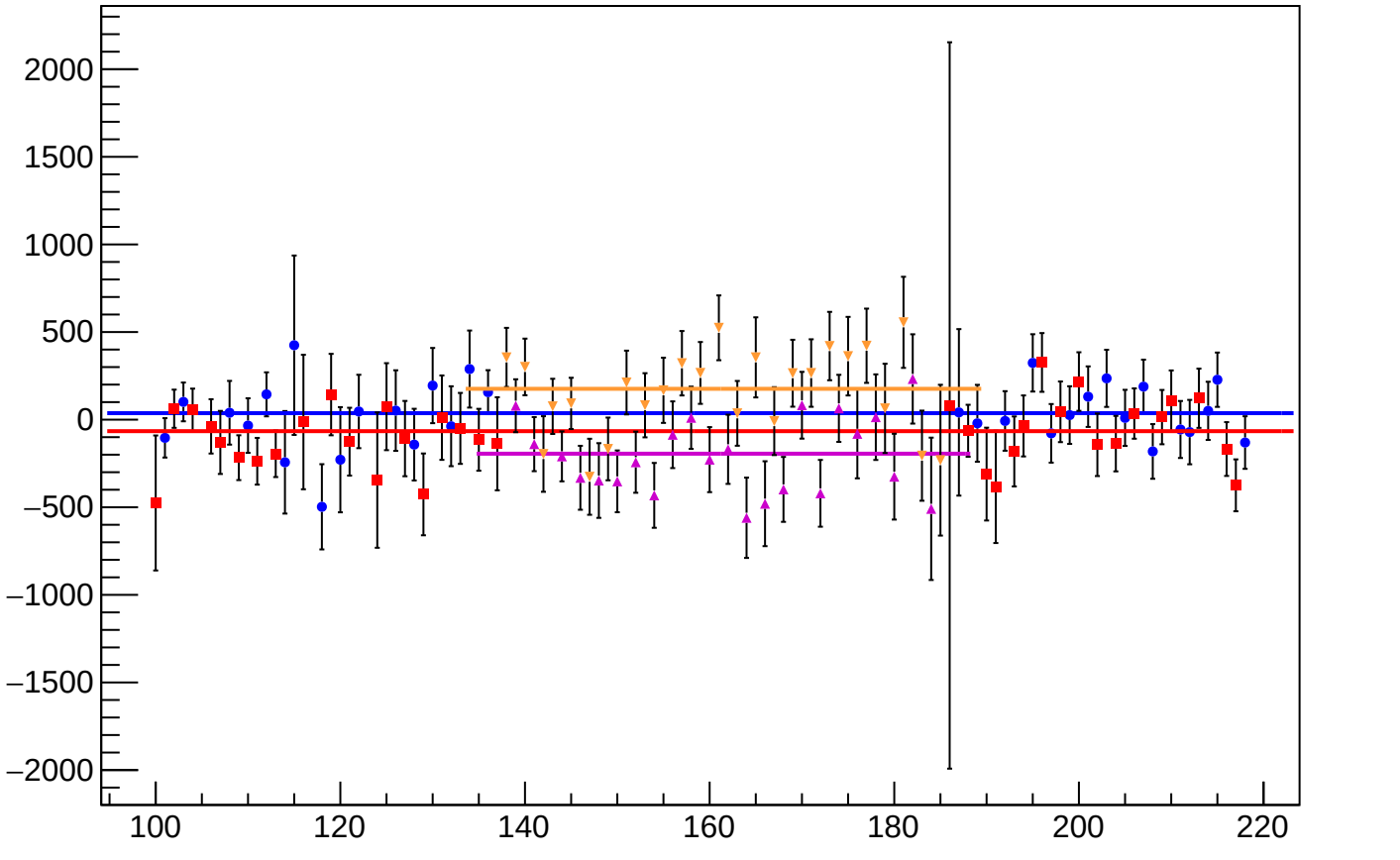
Right Out: 833.634+/-0.137 χ^2/NDF: 3774725.7/35

Left In: 1009.672+/-0.168 χ^2/NDF:498783.5/22

+ sign 930.124+/-0.108 χ^2/NDF: 3555234.6/56

All: 916.815+/-0.076 χ^2/NDF: 8516165.6/115

- sign 903.809+/-0.106 χ^2/NDF: 4930655.2/58



Right In: 37.015+/-30.386 χ^2/NDF: 25.5/31

Left Out: 176.011+/-38.838 χ^2/NDF:30.8/24

Right Out: -65.716+/-29.382 χ^2/NDF: 31.3/35

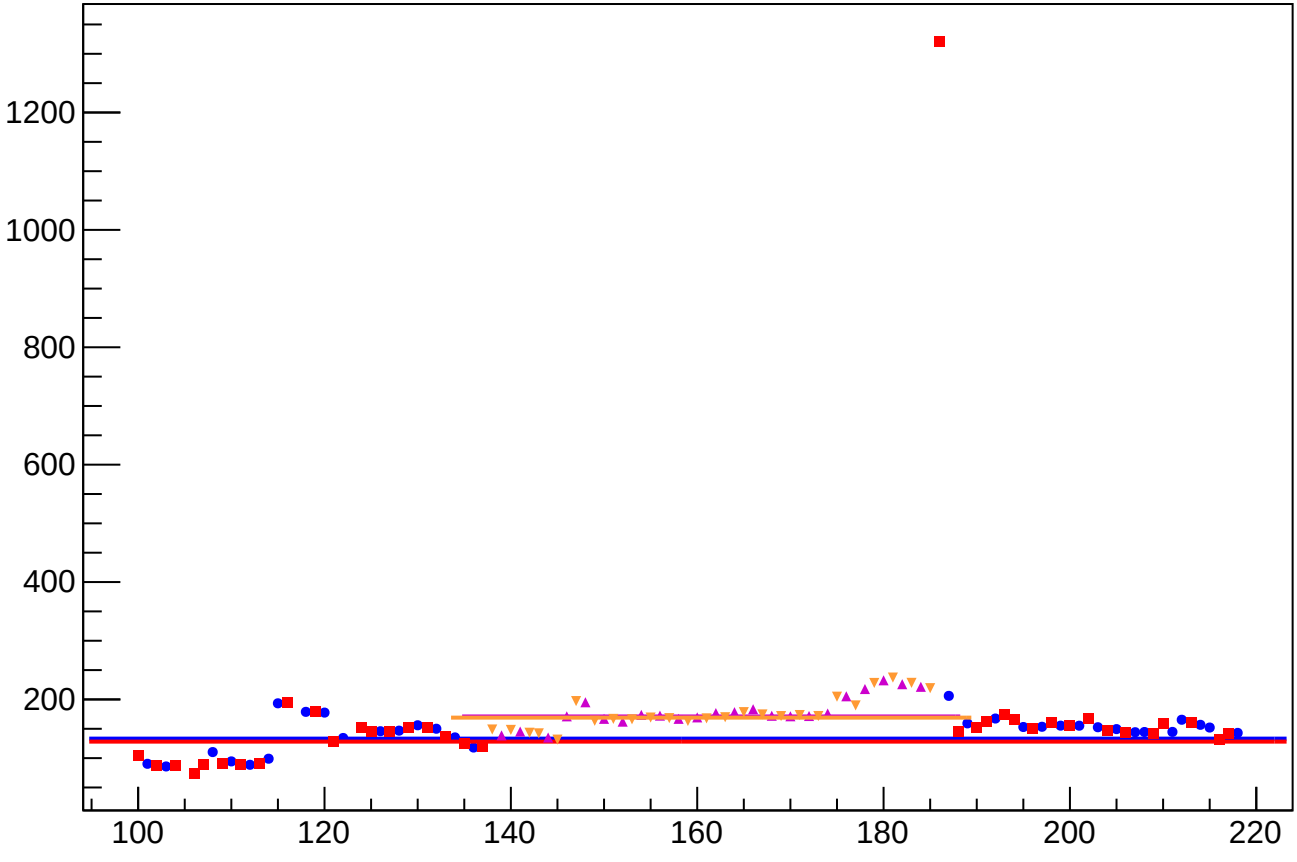
Left In: -194.324+/-40.384 χ^2/NDF:23.8/22

+ sign 89.792+/-23.932 χ^2/NDF: 64.2/56

All: -10.944+/-16.861 χ^2/NDF: 161.1/115

- sign -110.231+/-23.759 χ^2/NDF: 61.7/58

eigen_dit_asym_sam5_rms vs Slug



Right In: 133.238+/-0.021 χ^2/NDF: 1815236.6/31

Left Out: 169.009+/-0.027 χ^2/NDF:773925.9/24

Right Out: 128.128+/-0.021 χ^2/NDF: 3012441.3/35

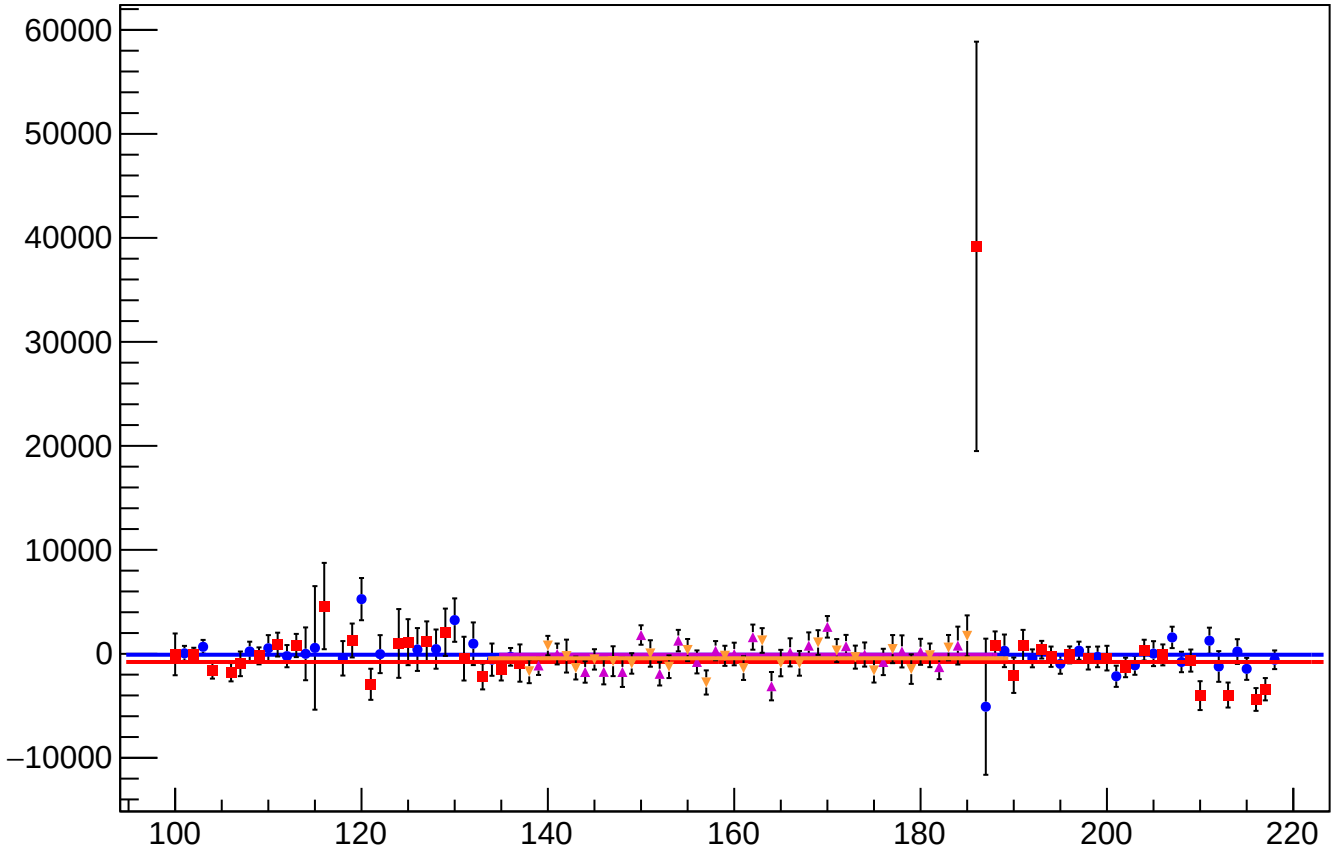
Left In: 171.021+/-0.029 χ^2/NDF:678096.1/22

+ sign 146.821+/-0.017 χ^2/NDF: 3641580.2/56

All: 144.884+/-0.012 χ^2/NDF: 8833479.0/115

- sign 142.974+/-0.017 χ^2/NDF: 5165883.3/58

asym_sam5_eigen_dit_correction_mean vs Slug



Right In: -85.493+/-201.085 χ^2/NDF: 26.0/31

Left Out: -425.818+/-232.561 χ^2/NDF:18.4/24

Right Out: -782.964+/-193.899 χ^2/NDF: 60.6/35

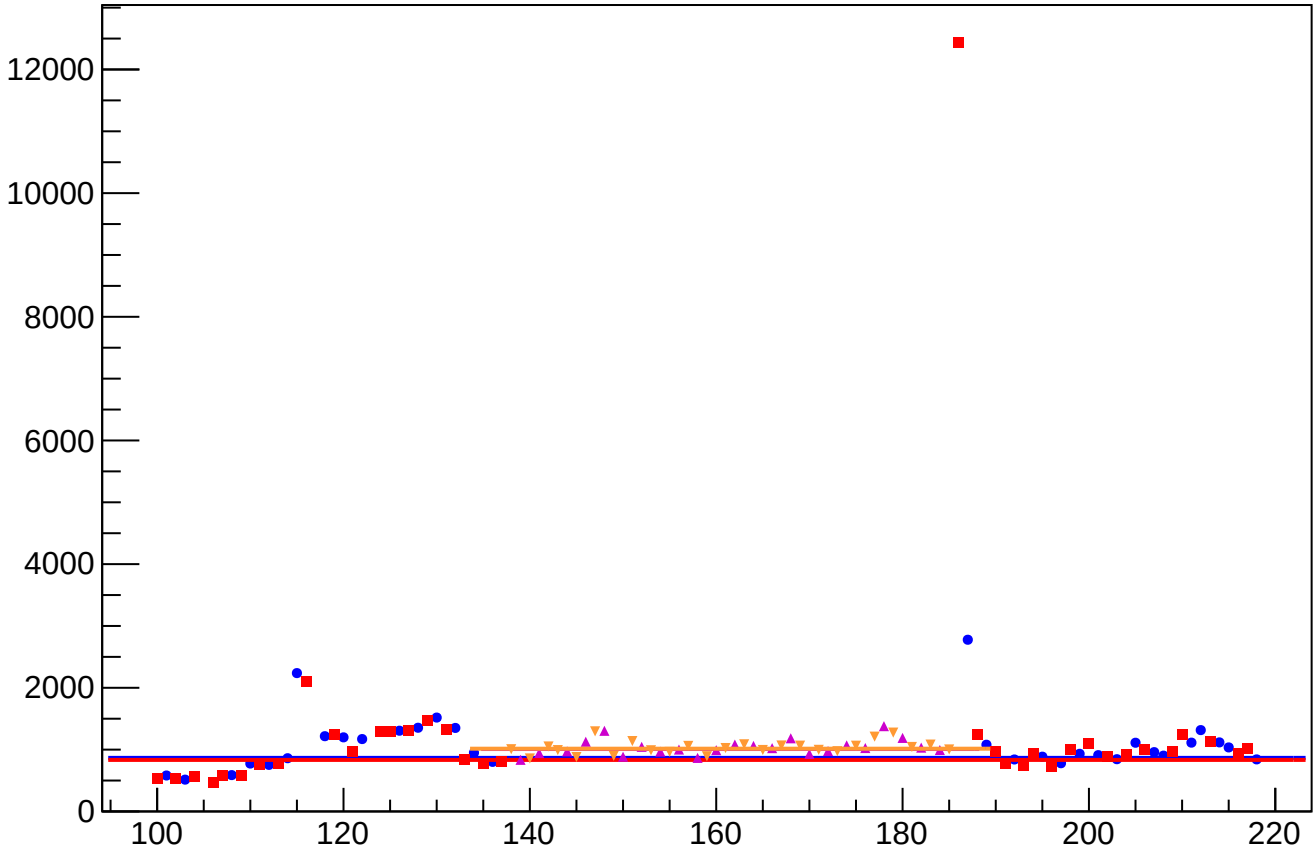
Left In: -86.487+/-238.155 χ^2/NDF:32.4/22

+ sign -231.083+/-152.109 χ^2/NDF: 45.6/56

All: -369.786+/-106.935 χ^2/NDF: 145.4/115

- sign -505.326+/-150.365 χ^2/NDF: 98.1/58

asym_sam5_eigen_dit_correction_rms vs Slug



Right In: 866.634+/-0.142 χ^2/NDF: 2691205.9/31

Left Out: 1015.047+/-0.164 χ^2/NDF:397964.6/24

Right Out: 833.634+/-0.137 χ^2/NDF: 3774727.7/35

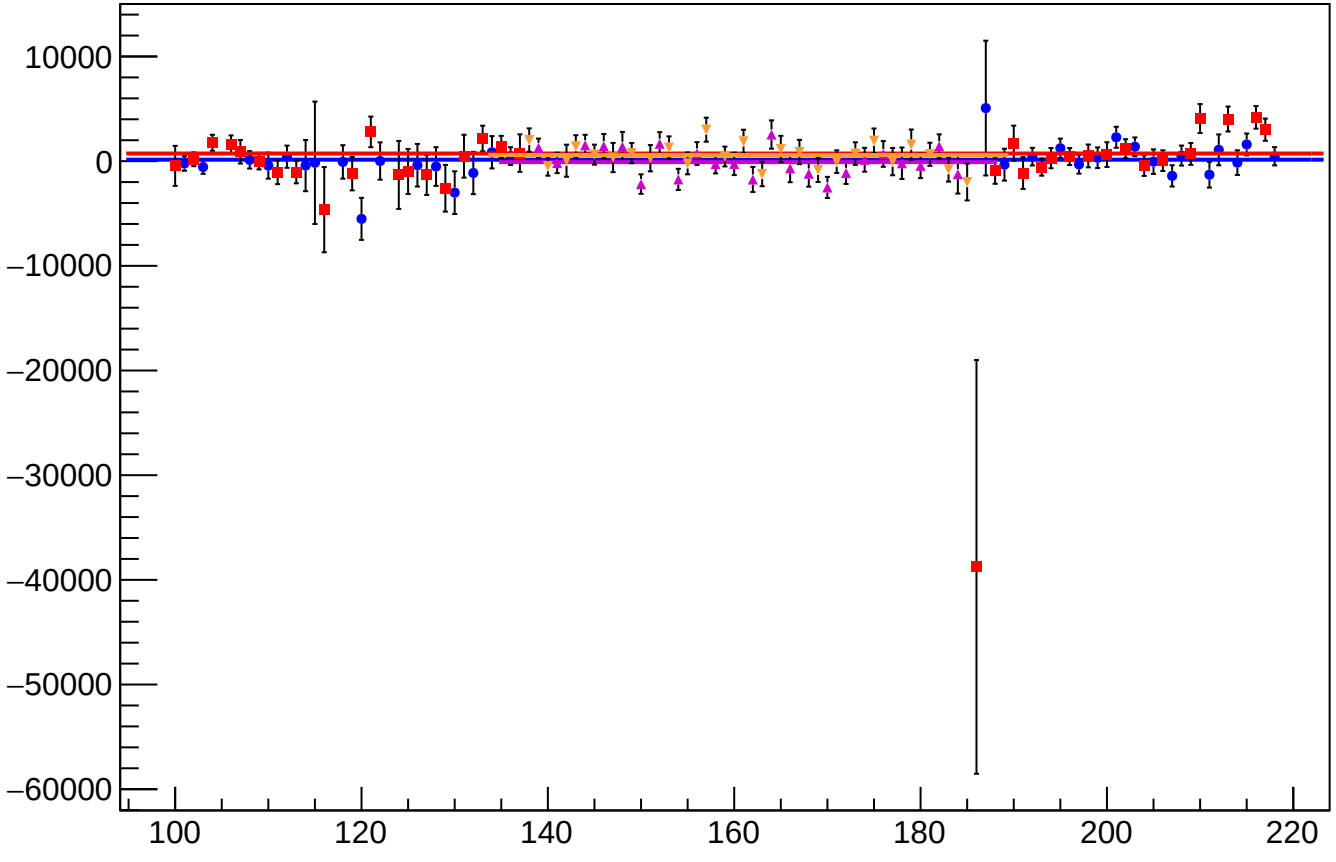
Left In: 1009.673+/-0.168 χ^2/NDF:498783.6/22

+ sign 930.125+/-0.108 χ^2/NDF: 3555243.8/56

All: 916.815+/-0.076 χ^2/NDF: 8516191.1/115

- sign 903.809+/-0.106 χ^2/NDF: 4930671.3/58

asym_sam5_mean vs Slug



Right In: 140.735+/-196.764 χ^2/NDF: 28.4/31

Left Out: 586.188+/-227.585 χ^2/NDF:20.8/24

Right Out: 730.157+/-190.374 χ^2/NDF: 61.9/35

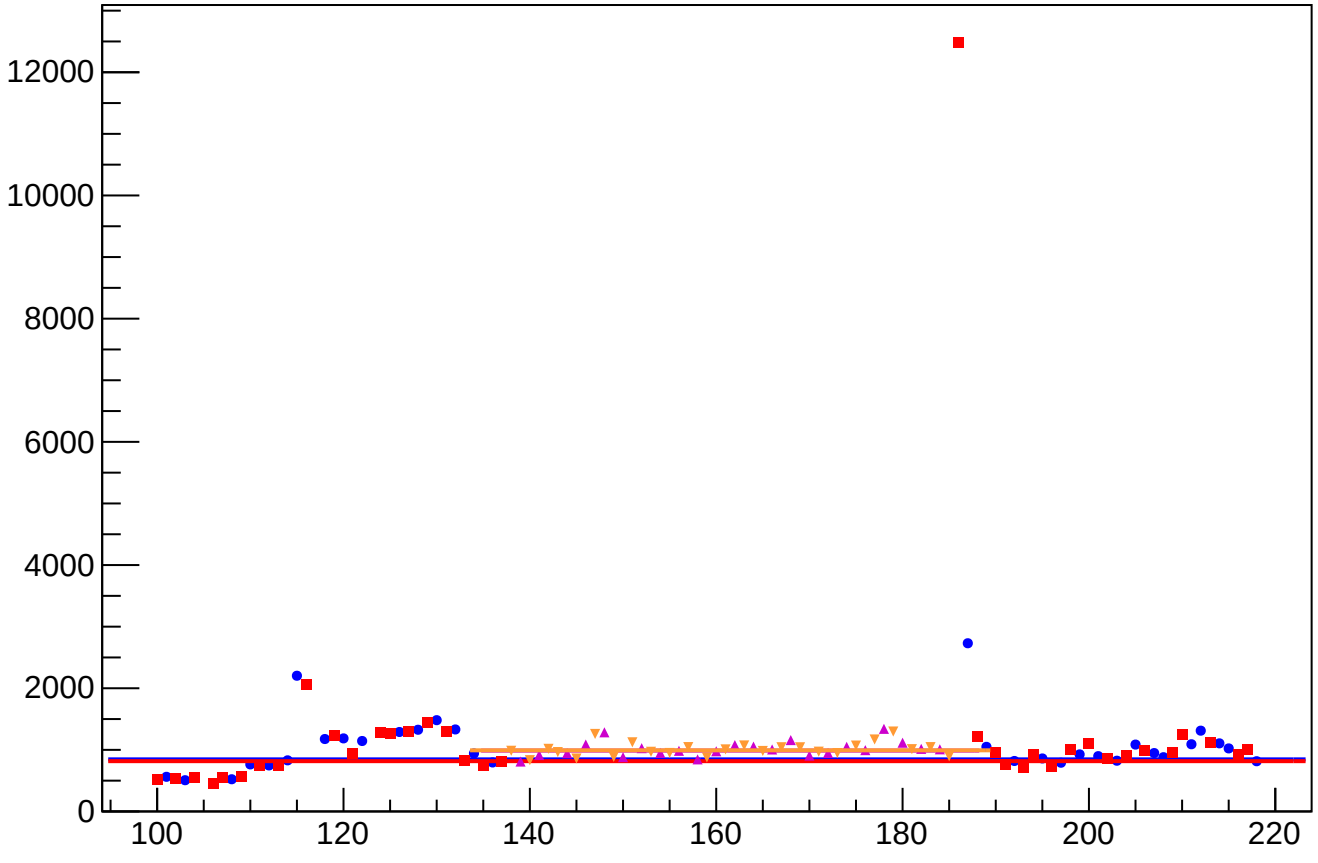
Left In: -92.688+/-233.019 χ^2/NDF:34.6/22

+ sign 331.277+/-148.846 χ^2/NDF: 51.4/56

All: 366.363+/-104.745 χ^2/NDF: 155.4/115

- sign 400.782+/-147.427 χ^2/NDF: 103.9/58

asym_sam5_rms vs Slug



Right In: 845.761+/-0.139 χ^2/NDF: 2834575.8/31

Left Out: 992.549+/-0.161 χ^2/NDF:424899.6/24

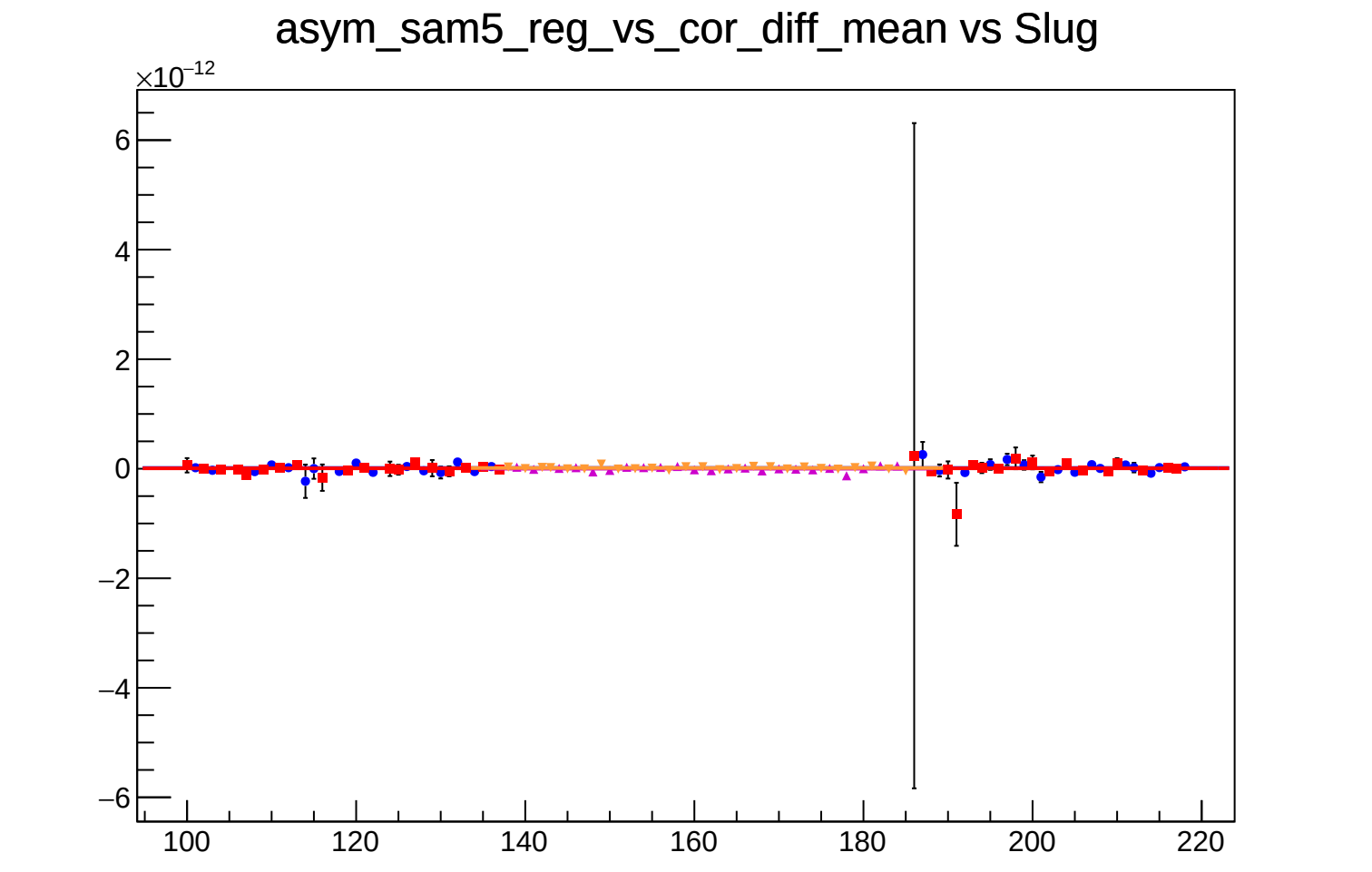
Right Out: 816.433+/-0.135 χ^2/NDF: 3893246.5/35

Left In: 987.784+/-0.165 χ^2/NDF:487733.2/22

+ sign 908.550+/-0.105 χ^2/NDF: 3735586.4/56

All: 896.674+/-0.074 χ^2/NDF: 8790364.7/115

- sign 885.023+/-0.104 χ^2/NDF: 5029556.1/58



Right In: 0.000+/-0.000 χ^2/NDF: 33.7/31

Left Out: 0.000+/-0.000 χ^2/NDF:23.1/24

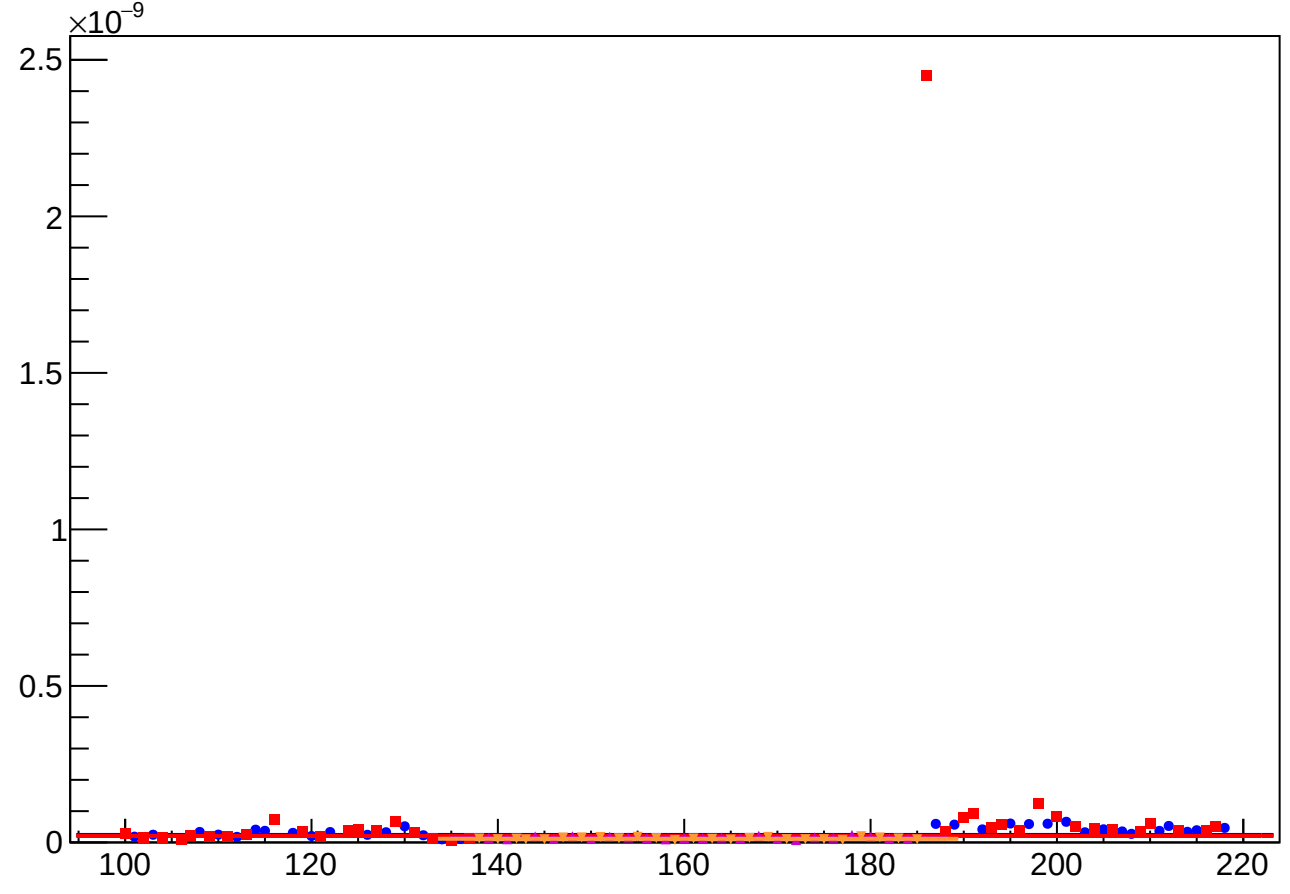
Right Out: 0.000+/-0.000 χ^2/NDF: 24.9/35

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

+ sign 0.000+/-0.000 χ^2/NDF: 56.9/56

All: 0.000+/-0.000 χ^2/NDF: 112.6/115

- sign 0.000+/-0.000 χ^2/NDF: 53.2/58



Right In: 0.000+/-0.000 χ^2/NDF: 4505777.8/31

Left Out: 0.000+/-0.000 χ^2/NDF:762184.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7047029.0/35

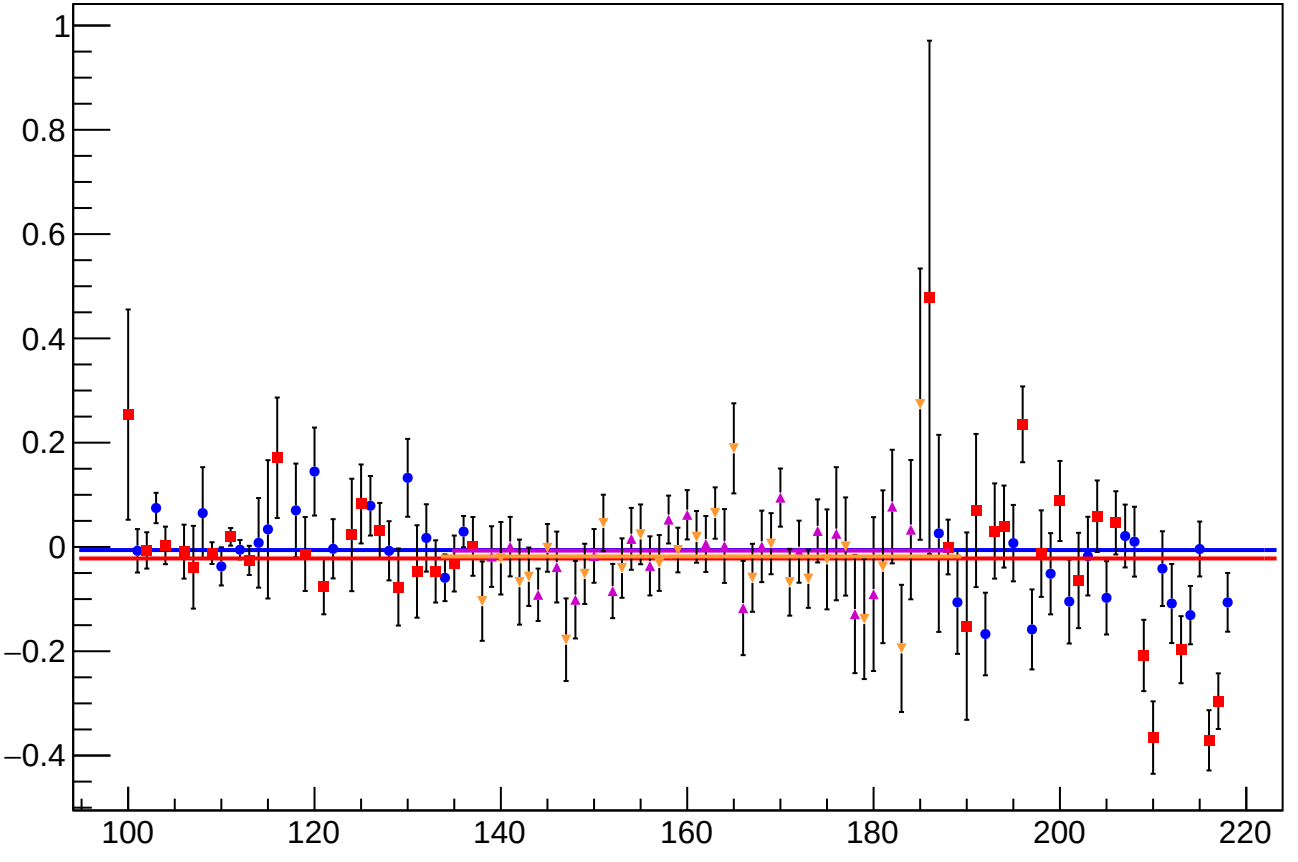
Left In: 0.000+/-0.000 χ^2/NDF:853838.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 8196273.2/56

All: 0.000+/-0.000 χ^2/NDF: 17241098.8/115

- sign 0.000+/-0.000 χ^2/NDF: 8959000.4/58

asym_sam5_dit_vs_cor_diff_mean vs Slug



Right In: -0.006+/-0.009 χ^2/NDF: 44.9/31

Left Out: -0.018+/-0.013 χ^2/NDF:24.3/24

Right Out: -0.022+/-0.008 χ^2/NDF: 139.4/35

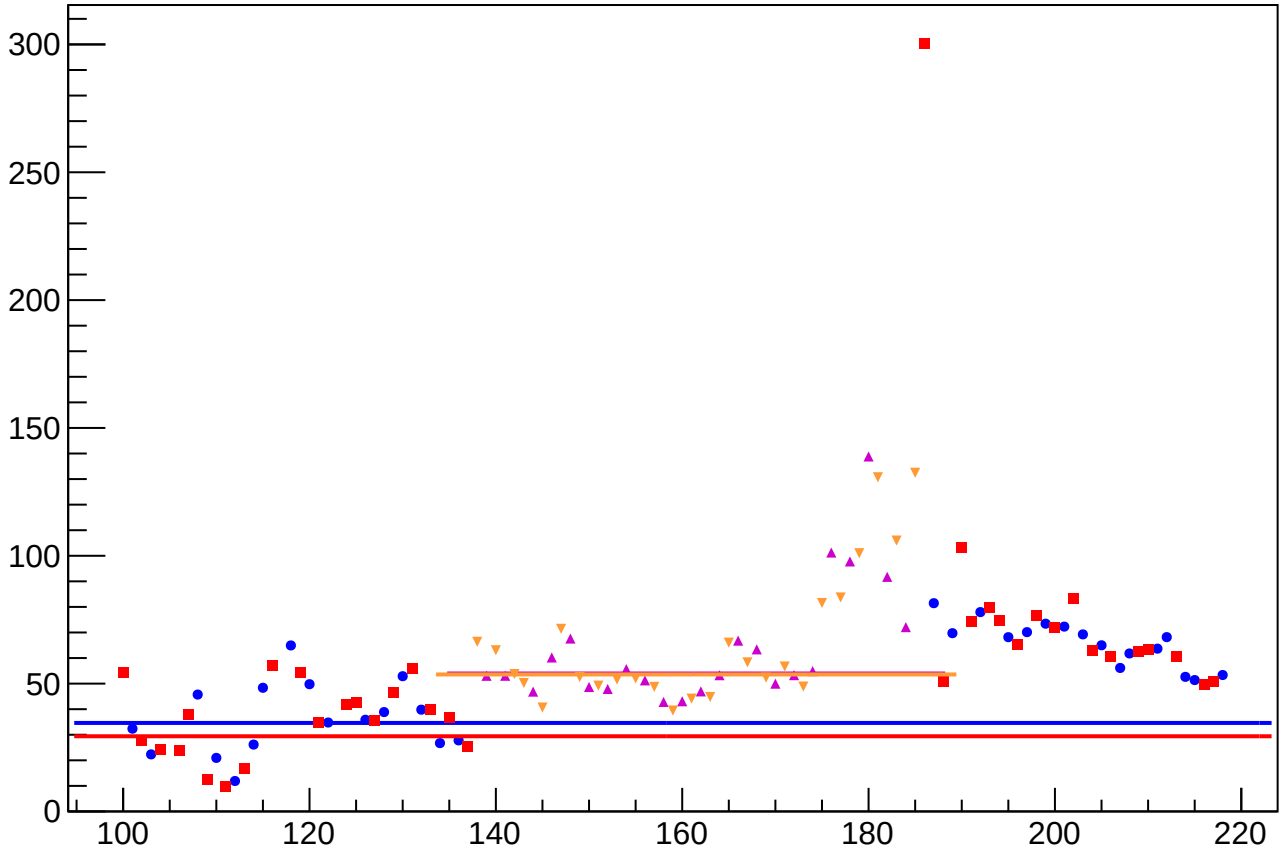
Left In: -0.007+/-0.013 χ^2/NDF:18.7/22

+ sign -0.010+/-0.007 χ^2/NDF: 69.8/56

All: -0.014+/-0.005 χ^2/NDF: 229.5/115

- sign -0.018+/-0.007 χ^2/NDF: 159.1/58

asym_sam5_dit_vs_cor_diff_rms vs Slug



Right In: 34.623+/-0.006 χ^2/NDF: 9776299.1/31

Left Out: 53.582+/-0.009 χ^2/NDF:2642509.0/24

Right Out: 29.408+/-0.006 χ^2/NDF: 13627354.9/35

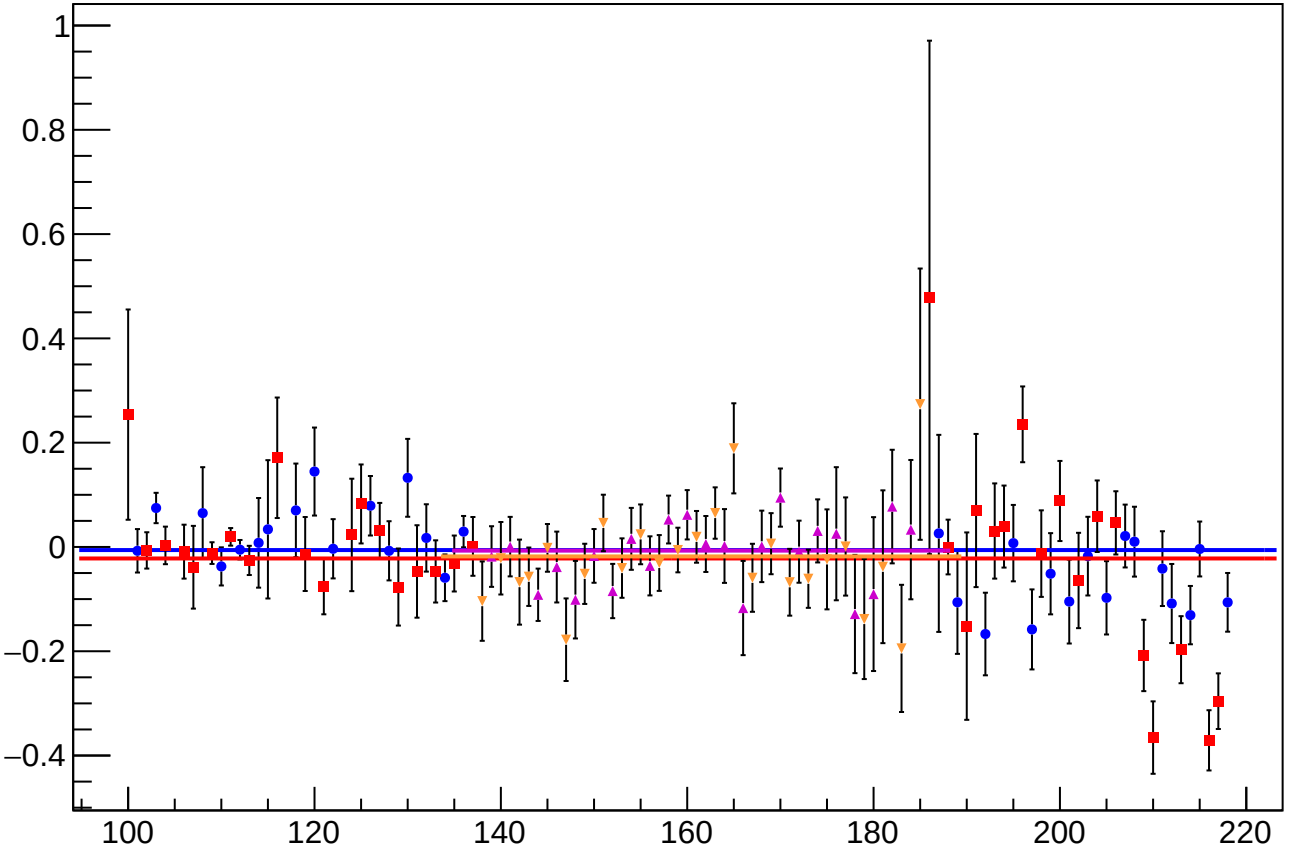
Left In: 53.961+/-0.009 χ^2/NDF:2039530.1/22

+ sign 40.970+/-0.005 χ^2/NDF: 15337283.4/56

All: 38.459+/-0.004 χ^2/NDF: 36435849.7/115

- sign 36.242+/-0.005 χ^2/NDF: 20665793.6/58

asym_sam5_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.006+/-0.009 χ^2/NDF: 44.9/31

Left Out: -0.018+/-0.013 χ^2/NDF:24.3/24

Right Out: -0.022+/-0.008 χ^2/NDF: 139.4/35

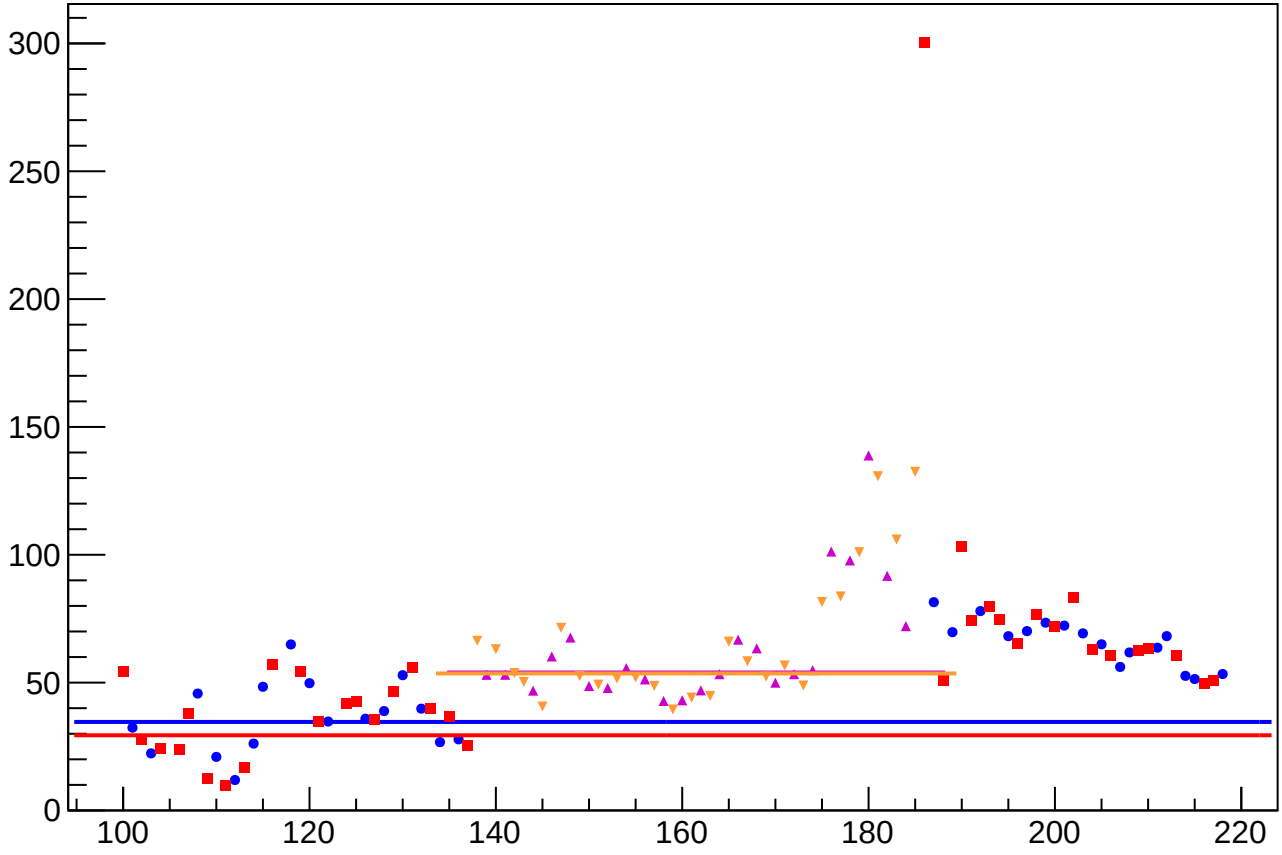
Left In: -0.007+/-0.013 χ^2/NDF:18.7/22

+ sign -0.010+/-0.007 χ^2/NDF: 69.8/56

All: -0.014+/-0.005 χ^2/NDF: 229.5/115

- sign -0.018+/-0.007 χ^2/NDF: 159.1/58

asym_sam5_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 34.623+/-0.006 χ^2/NDF: 9776299.1/31

Left Out: 53.582+/-0.009 χ^2/NDF:2642509.0/24

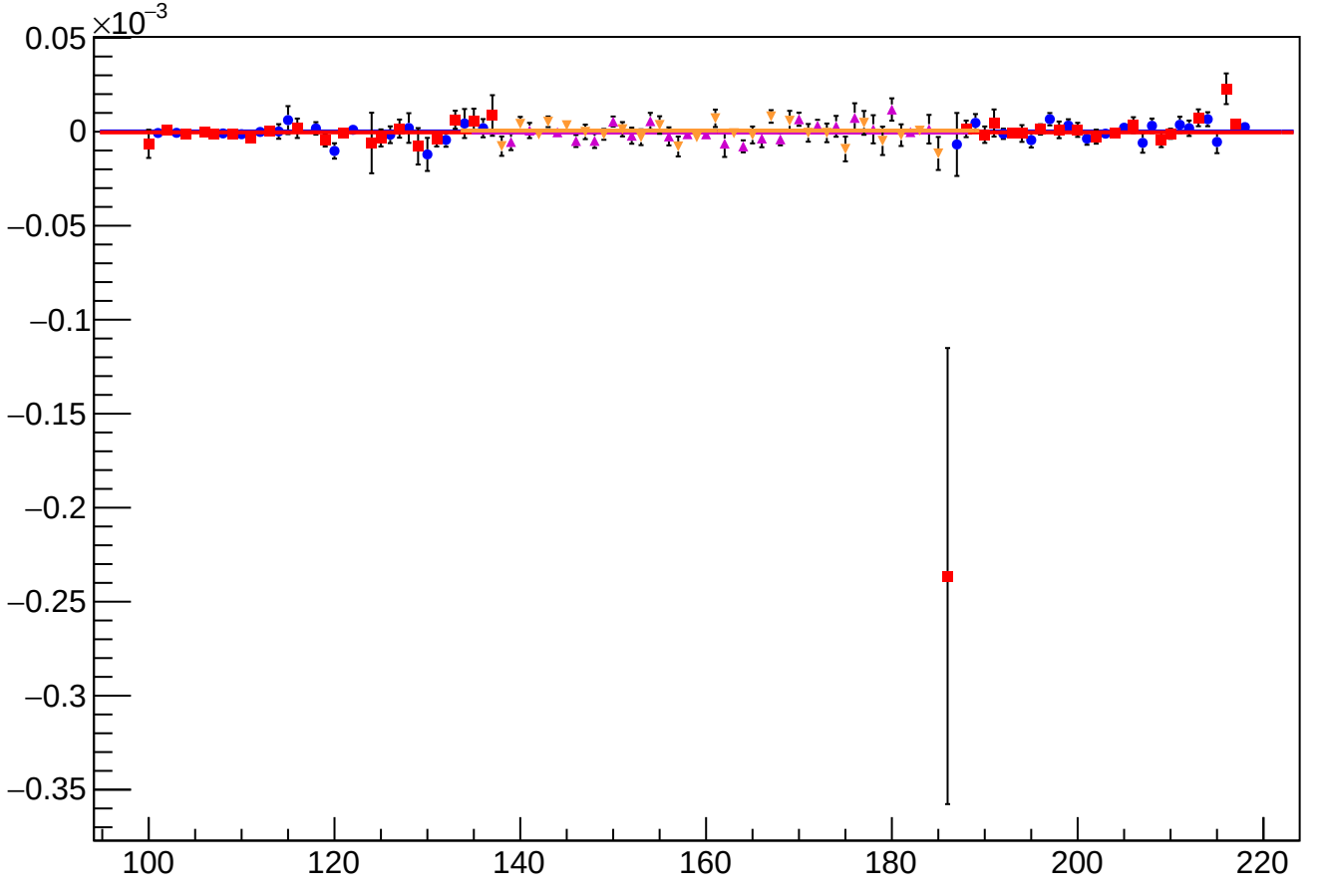
Right Out: 29.408+/-0.006 χ^2/NDF: 13627354.9/35

Left In: 53.961+/-0.009 χ^2/NDF:2039530.1/22

+ sign 40.970+/-0.005 χ^2/NDF: 15337283.4/56

All: 38.459+/-0.004 χ^2/NDF: 36435849.7/115

- sign 36.242+/-0.005 χ^2/NDF: 20665793.6/58



Right In: 0.000+/-0.000 χ^2/NDF: 31.6/31

Left Out: 0.000+/-0.000 χ^2/NDF:31.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 36.4/35

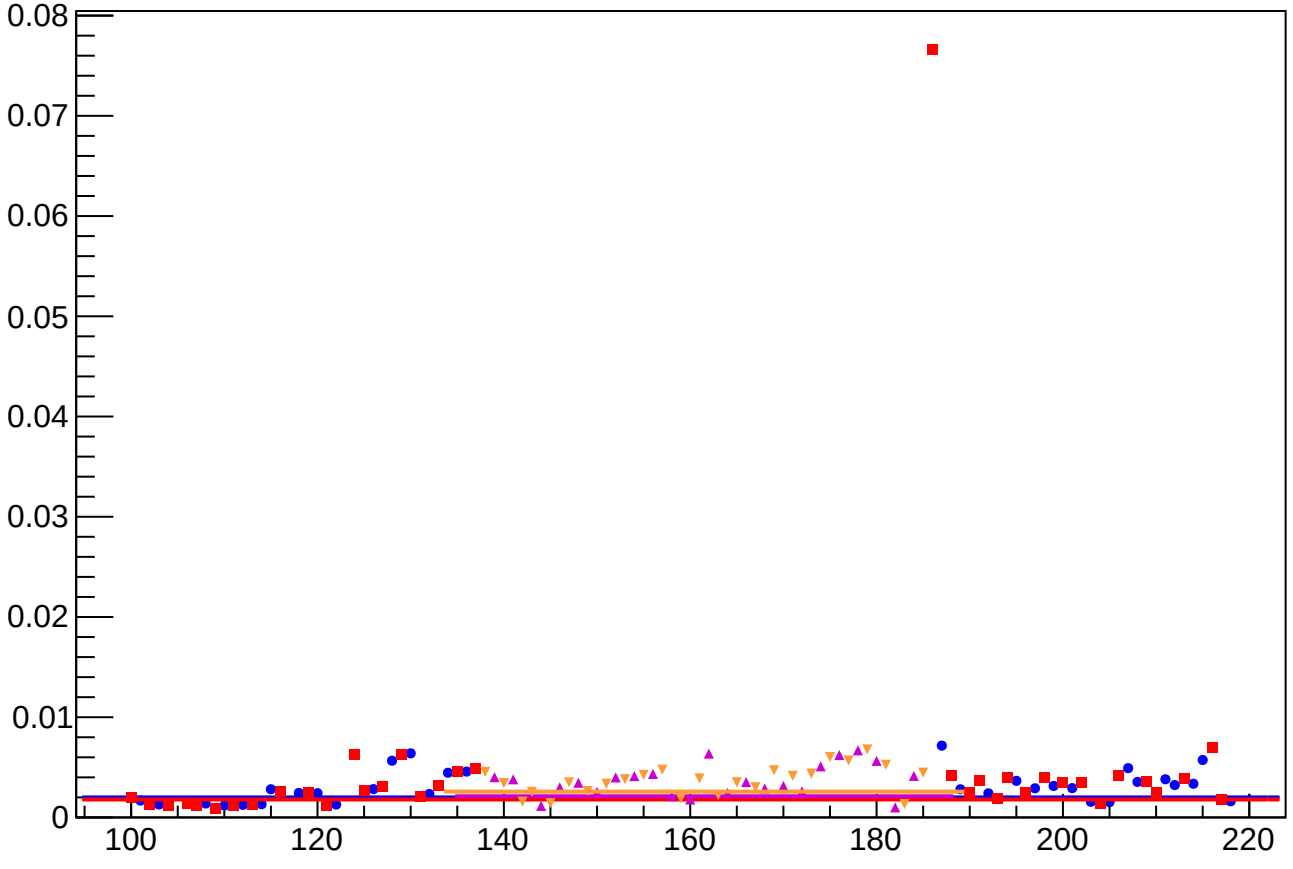
Left In: -0.000+/-0.000 χ^2/NDF:30.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 62.8/56

All: -0.000+/-0.000 χ^2/NDF: 131.7/115

- sign -0.000+/-0.000 χ^2/NDF: 67.3/58

asym_sam5_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 7468687.9/31

Left Out: 0.003+/-0.000 χ^2/NDF:7112963.2/24

Right Out: 0.002+/-0.000 χ^2/NDF: 9848155.9/35

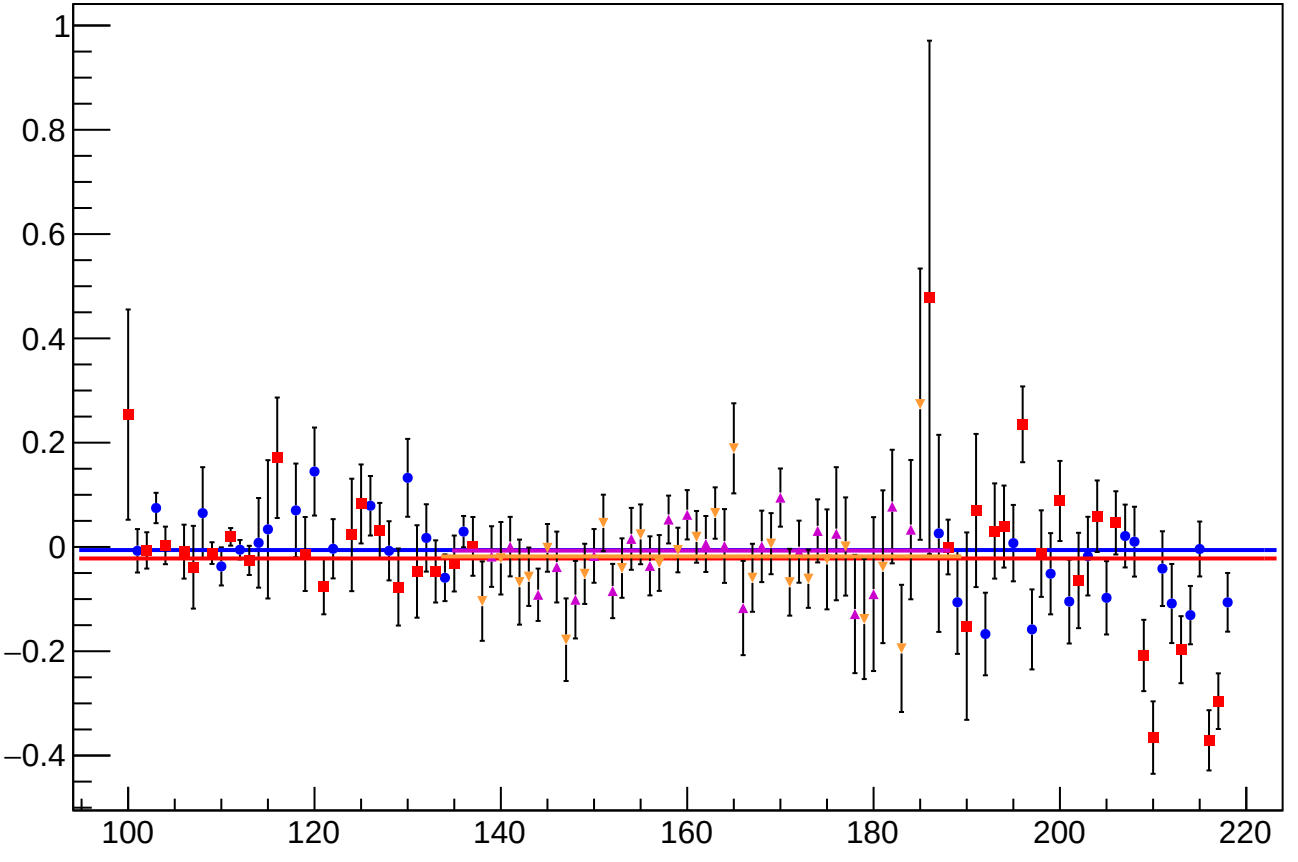
Left In: 0.002+/-0.000 χ^2/NDF:9487138.7/22

+ sign 0.002+/-0.000 χ^2/NDF: 15526720.2/56

All: 0.002+/-0.000 χ^2/NDF: 35823052.7/115

- sign 0.002+/-0.000 χ^2/NDF: 19700849.4/58

asym_sam5_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.006+/-0.009 χ^2/NDF: 44.9/31

Left Out: -0.018+/-0.013 χ^2/NDF:24.3/24

Right Out: -0.022+/-0.008 χ^2/NDF: 139.4/35

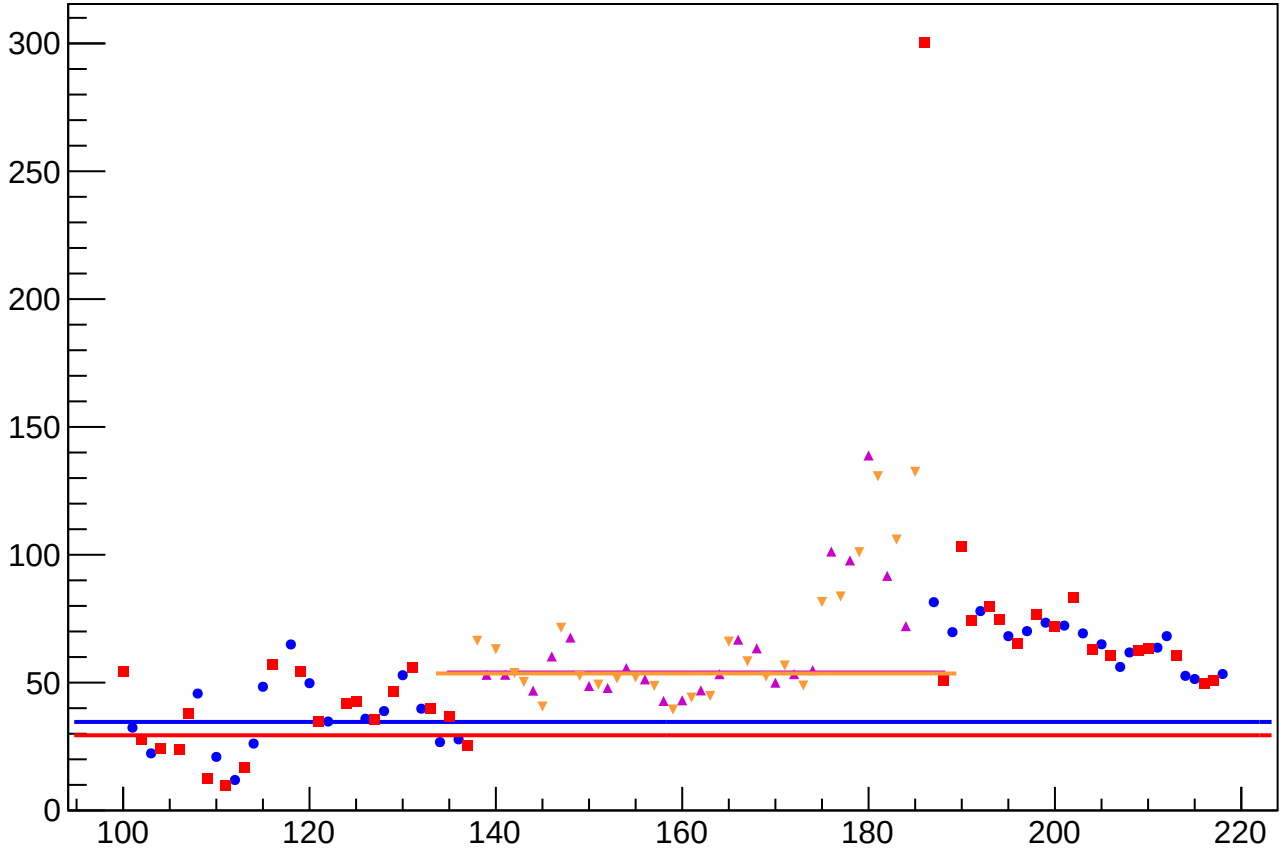
Left In: -0.007+/-0.013 χ^2/NDF:18.7/22

+ sign -0.010+/-0.007 χ^2/NDF: 69.8/56

All: -0.014+/-0.005 χ^2/NDF: 229.5/115

- sign -0.018+/-0.007 χ^2/NDF: 159.1/58

asym_sam5_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 34.622+/-0.006 χ^2/NDF: 9776459.2/31

Left Out: 53.582+/-0.009 χ^2/NDF:2642554.6/24

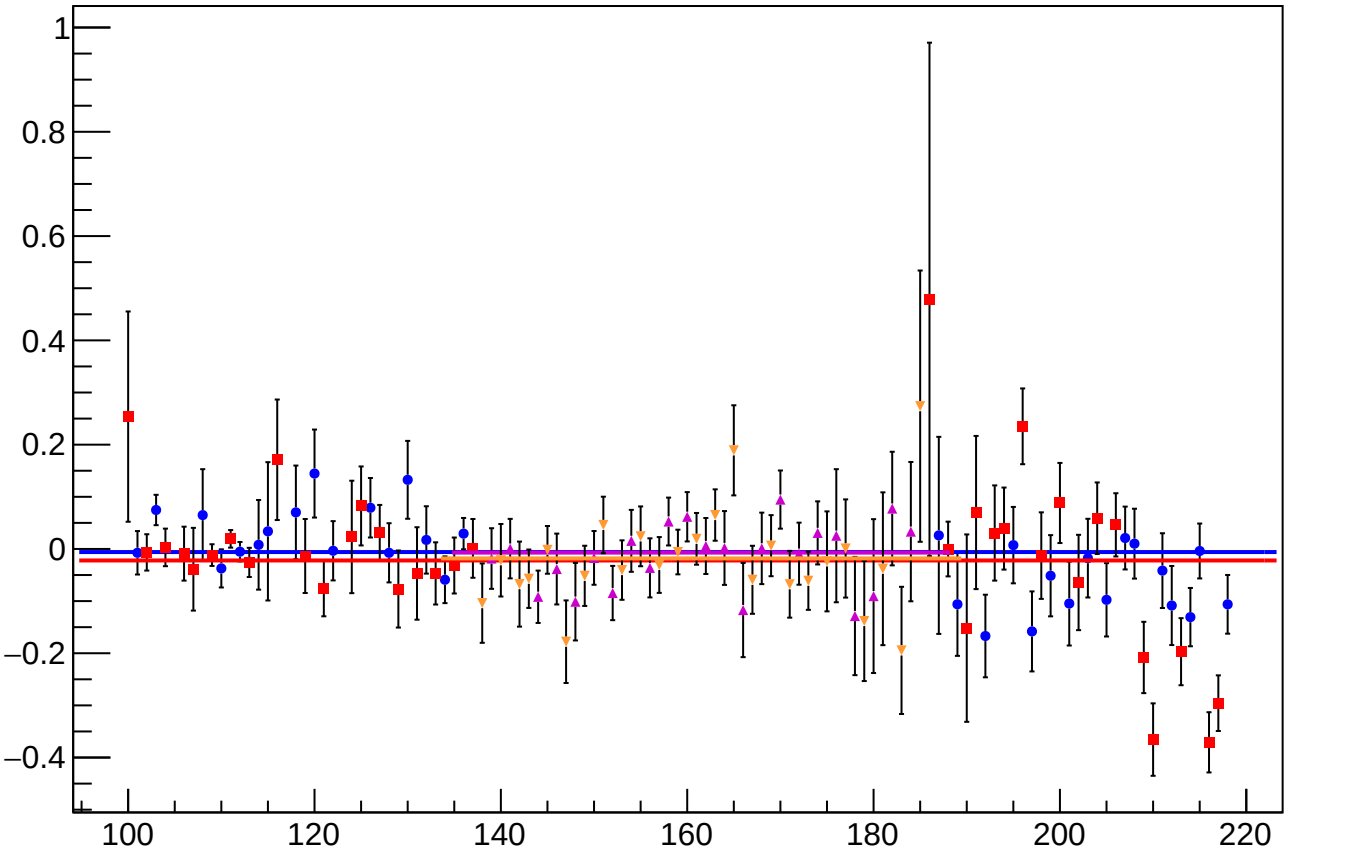
Right Out: 29.407+/-0.006 χ^2/NDF: 13627559.9/35

Left In: 53.961+/-0.009 χ^2/NDF:2039571.7/22

+ sign 40.969+/-0.005 χ^2/NDF: 15337800.5/56

All: 38.459+/-0.004 χ^2/NDF: 36437088.7/115

- sign 36.241+/-0.005 χ^2/NDF: 20666476.7/58



Right In: -0.006+/-0.009 χ^2/NDF: 44.9/31

Left Out: -0.018+/-0.013 χ^2/NDF:24.3/24

Right Out: -0.022+/-0.008 χ^2/NDF: 139.4/35

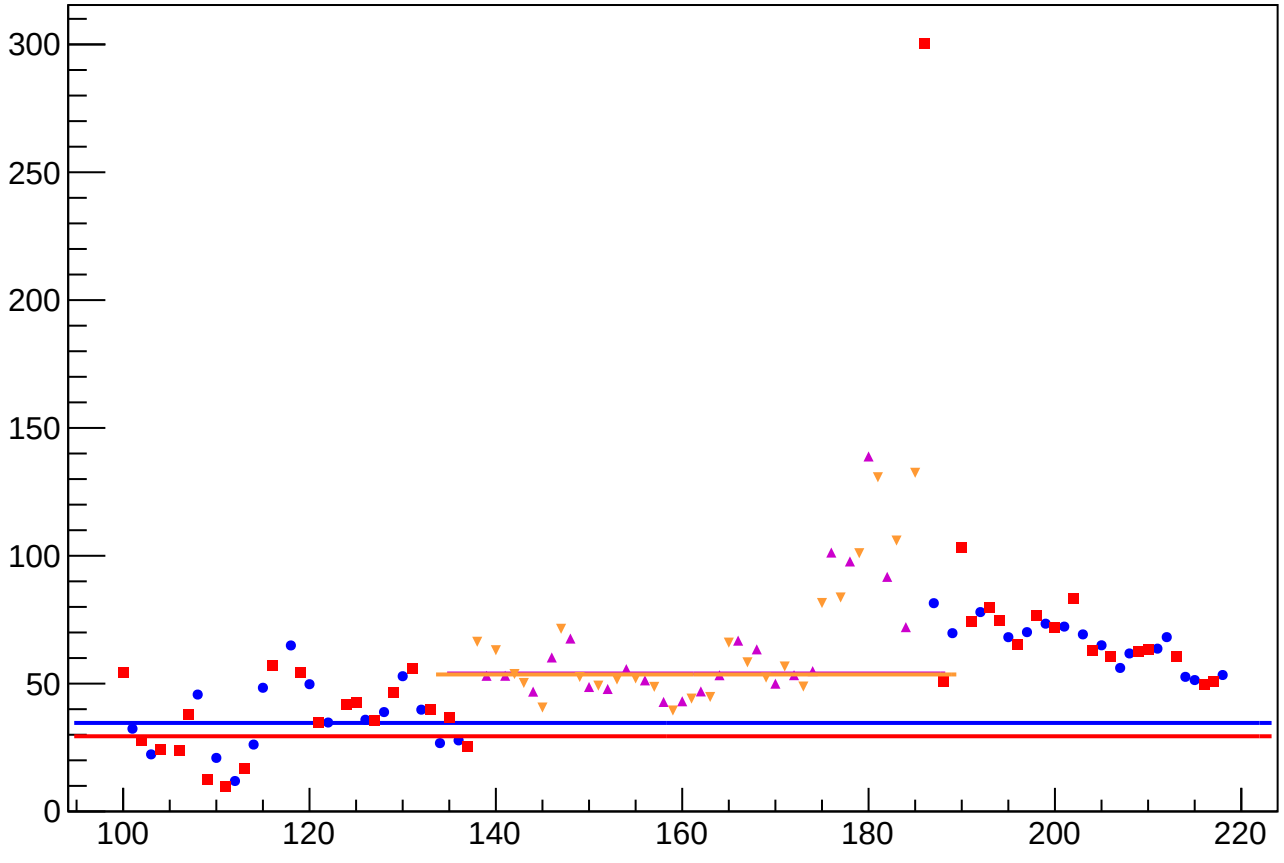
Left In: -0.007+/-0.013 χ^2/NDF:18.7/22

+ sign -0.010+/-0.007 χ^2/NDF: 69.8/56

All: -0.014+/-0.005 χ^2/NDF: 229.5/115

- sign -0.018+/-0.007 χ^2/NDF: 159.1/58

asym_sam5_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 34.622+/-0.006 χ^2/NDF: 9776459.2/31

Left Out: 53.582+/-0.009 χ^2/NDF:2642554.6/24

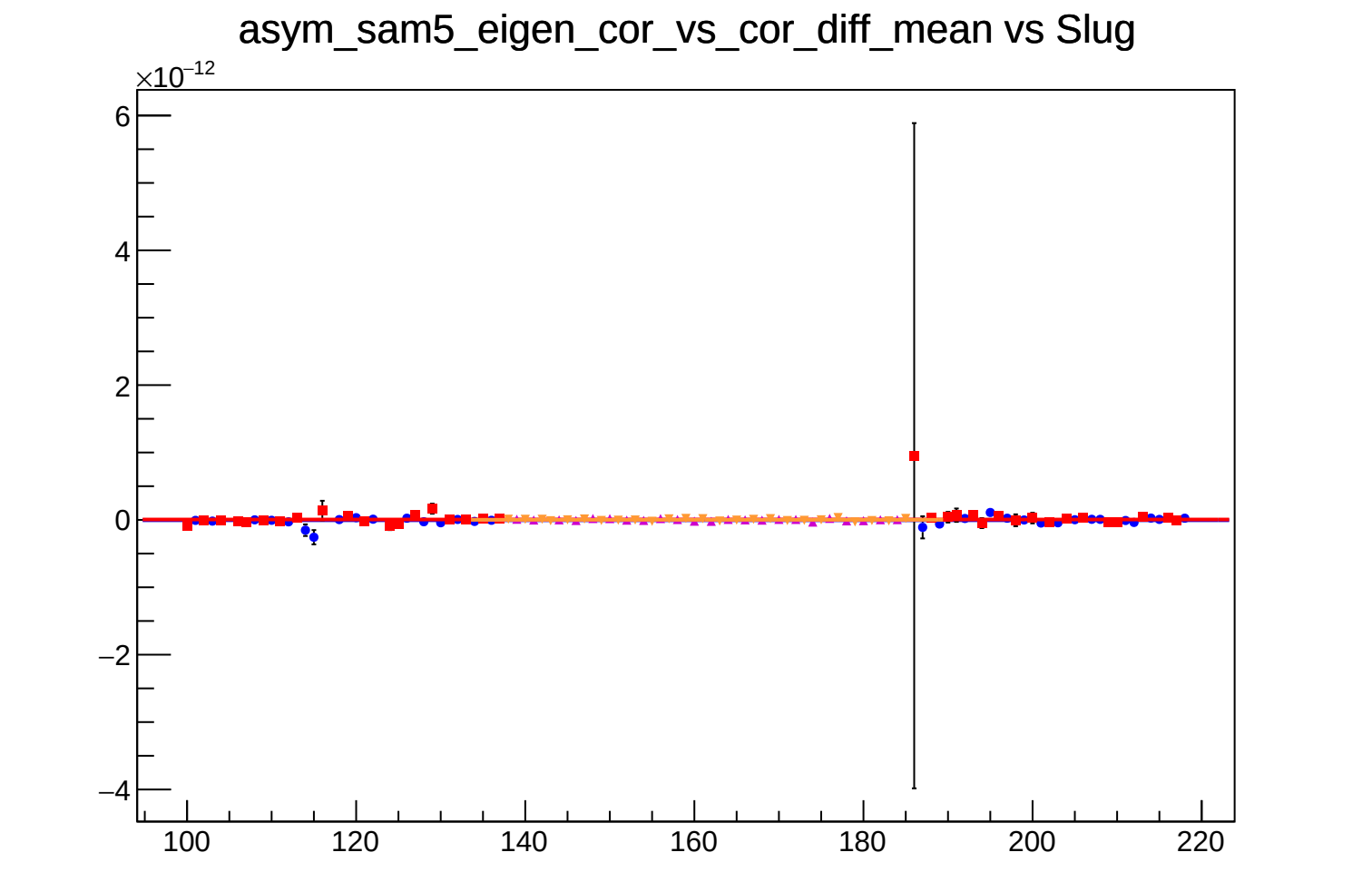
Right Out: 29.407+/-0.006 χ^2/NDF: 13627559.9/35

Left In: 53.961+/-0.009 χ^2/NDF:2039571.7/22

+ sign 40.969+/-0.005 χ^2/NDF: 15337800.5/56

All: 38.459+/-0.004 χ^2/NDF: 36437088.7/115

- sign 36.241+/-0.005 χ^2/NDF: 20666476.7/58



Right In: -0.000+/-0.000 χ^2/NDF: 24.7/31

Left Out: 0.000+/-0.000 χ^2/NDF:27.4/24

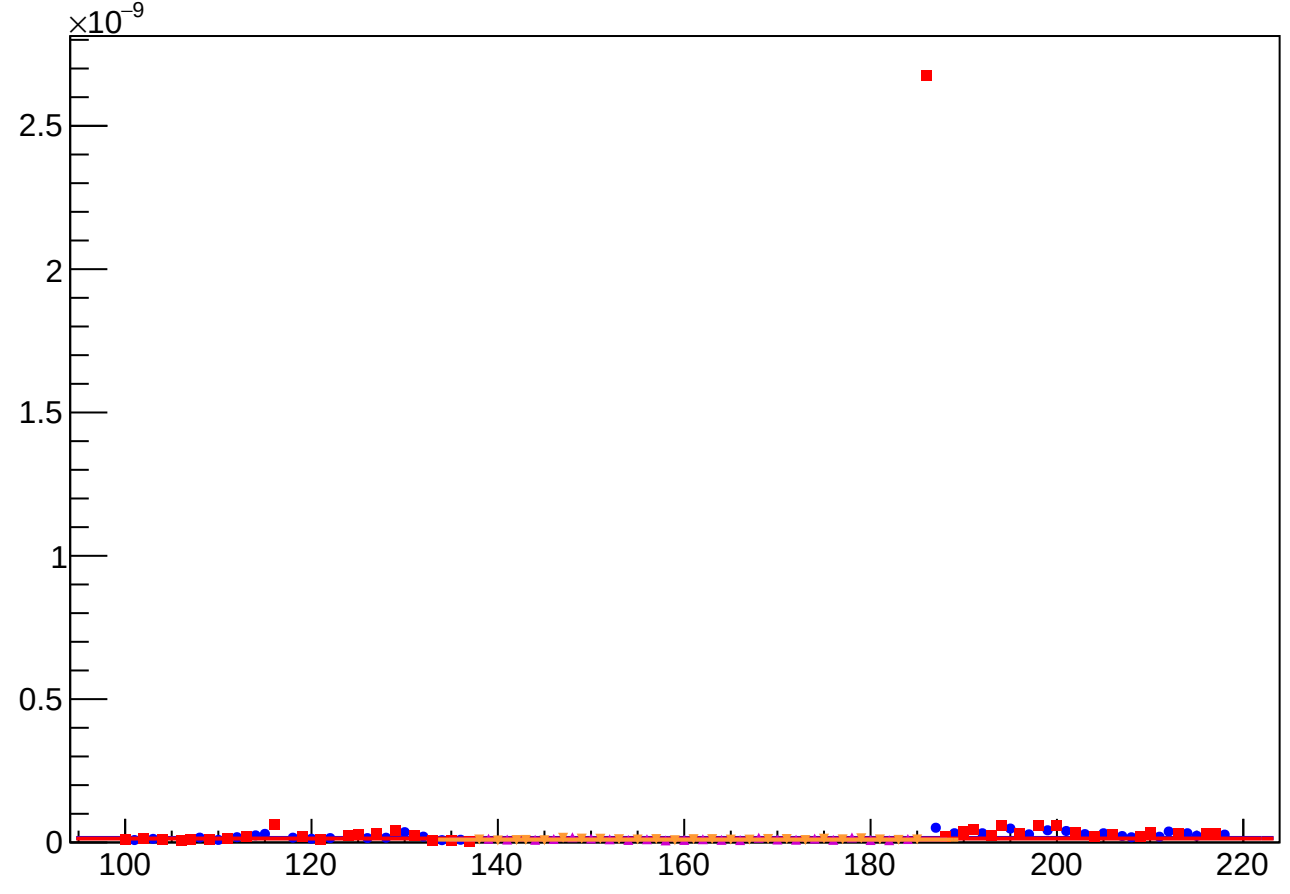
Right Out: 0.000+/-0.000 χ^2/NDF: 40.6/35

Left In: 0.000+/-0.000 χ^2/NDF:18.1/22

+ sign -0.000+/-0.000 χ^2/NDF: 53.5/56

All: 0.000+/-0.000 χ^2/NDF: 113.5/115

- sign 0.000+/-0.000 χ^2/NDF: 59.6/58



Right In: 0.000+/-0.000 χ^2/NDF: 6260395.3/31

Left Out: 0.000+/-0.000 χ^2/NDF:1196110.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9761087.5/35

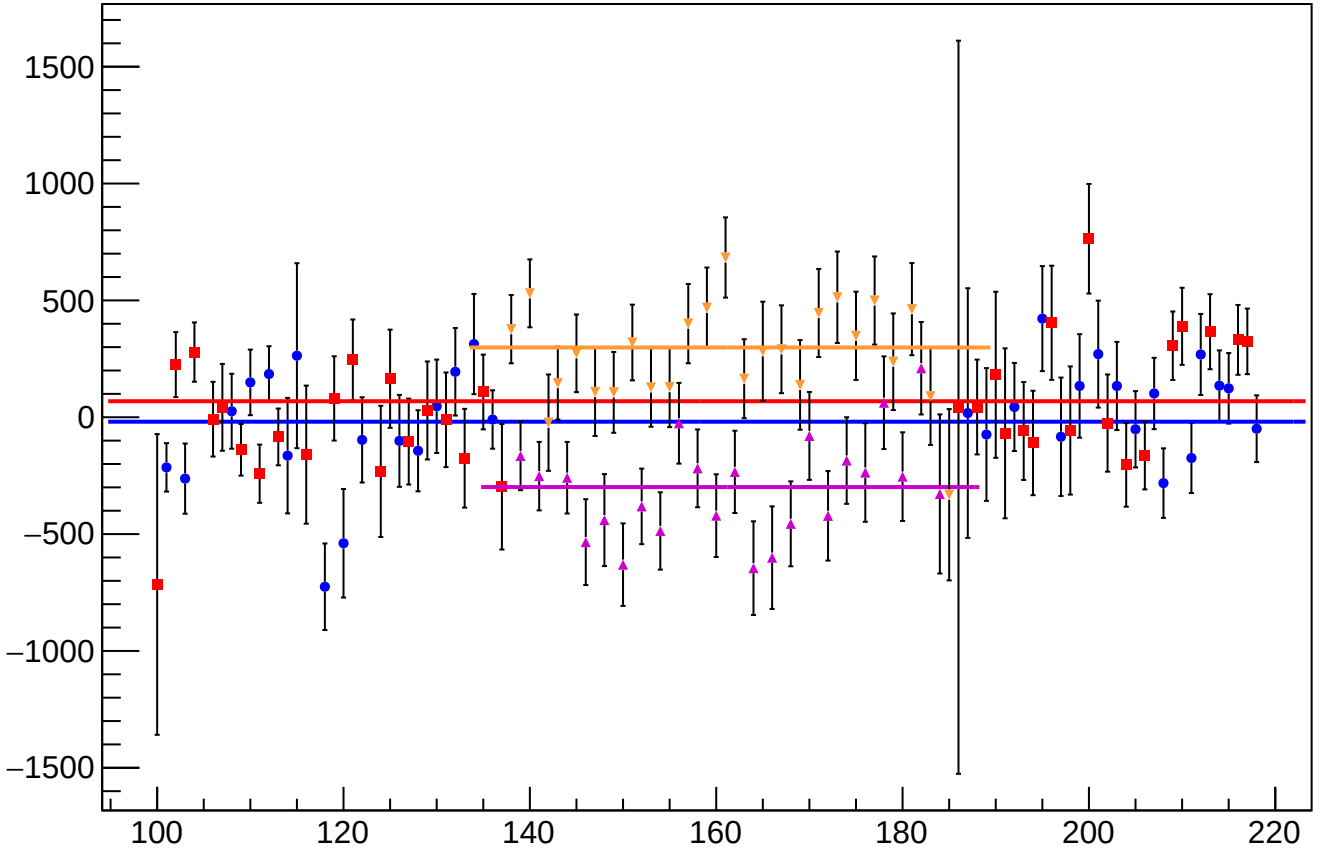
Left In: 0.000+/-0.000 χ^2/NDF:1313644.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 9538263.3/56

All: 0.000+/-0.000 χ^2/NDF: 21379206.3/115

- sign 0.000+/-0.000 χ^2/NDF: 11840625.3/58

reg_asym_sam6_mean vs Slug



Right In: -19.031+/-30.373 χ^2/NDF: 52.1/31

Left Out: 298.517+/-36.051 χ^2/NDF:26.0/24

Right Out: 68.556+/-29.973 χ^2/NDF: 57.9/35

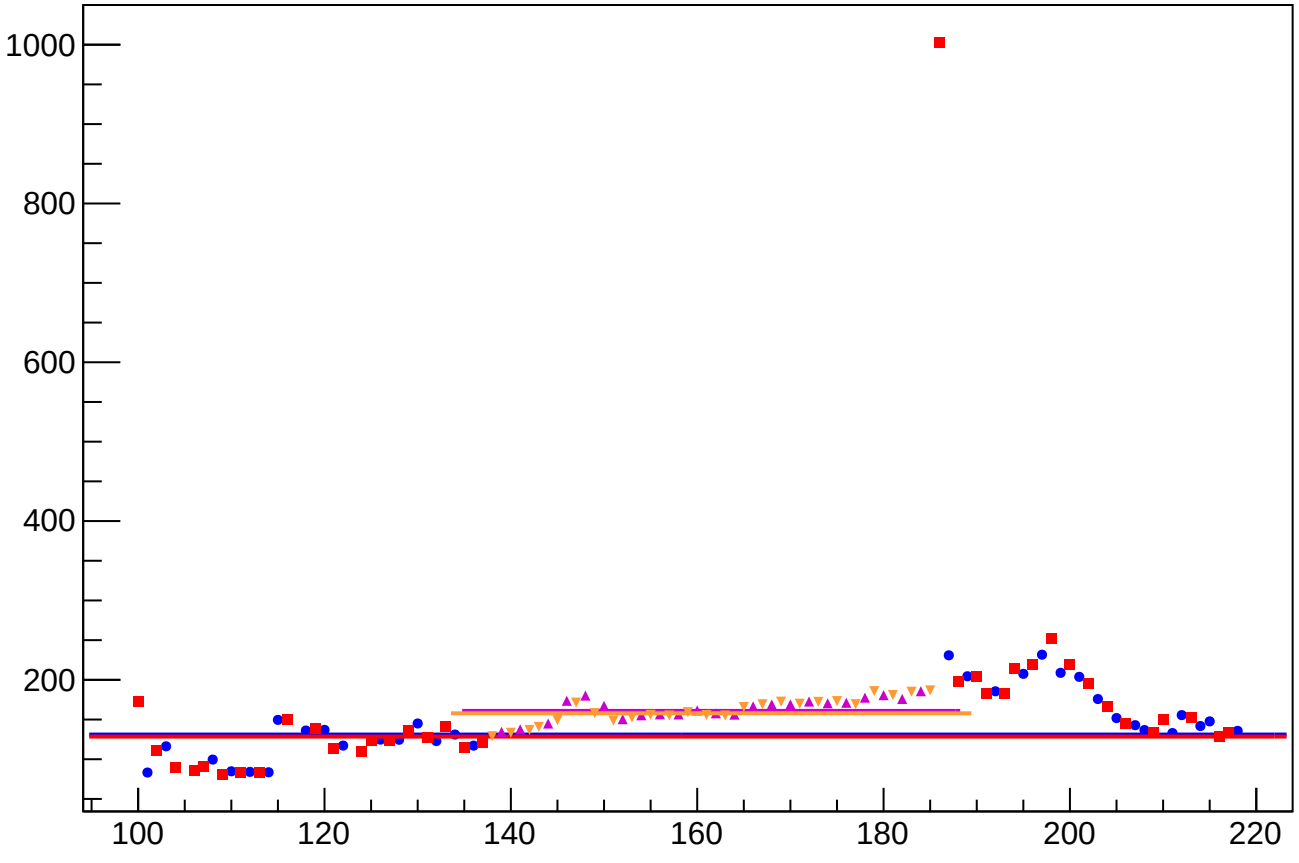
Left In: -298.675+/-37.727 χ^2/NDF:29.4/22

+ sign 112.796+/-23.228 χ^2/NDF: 123.5/56

All: 20.584+/-16.509 χ^2/NDF: 300.8/115

- sign -73.543+/-23.468 χ^2/NDF: 145.5/58

reg_asym_sam6_rms vs Slug



Right In: 131.076+/-0.021 χ^2/NDF: 2791023.3/31

Left Out: 157.836+/-0.025 χ^2/NDF:377205.2/24

Right Out: 128.534+/-0.021 χ^2/NDF: 4249622.3/35

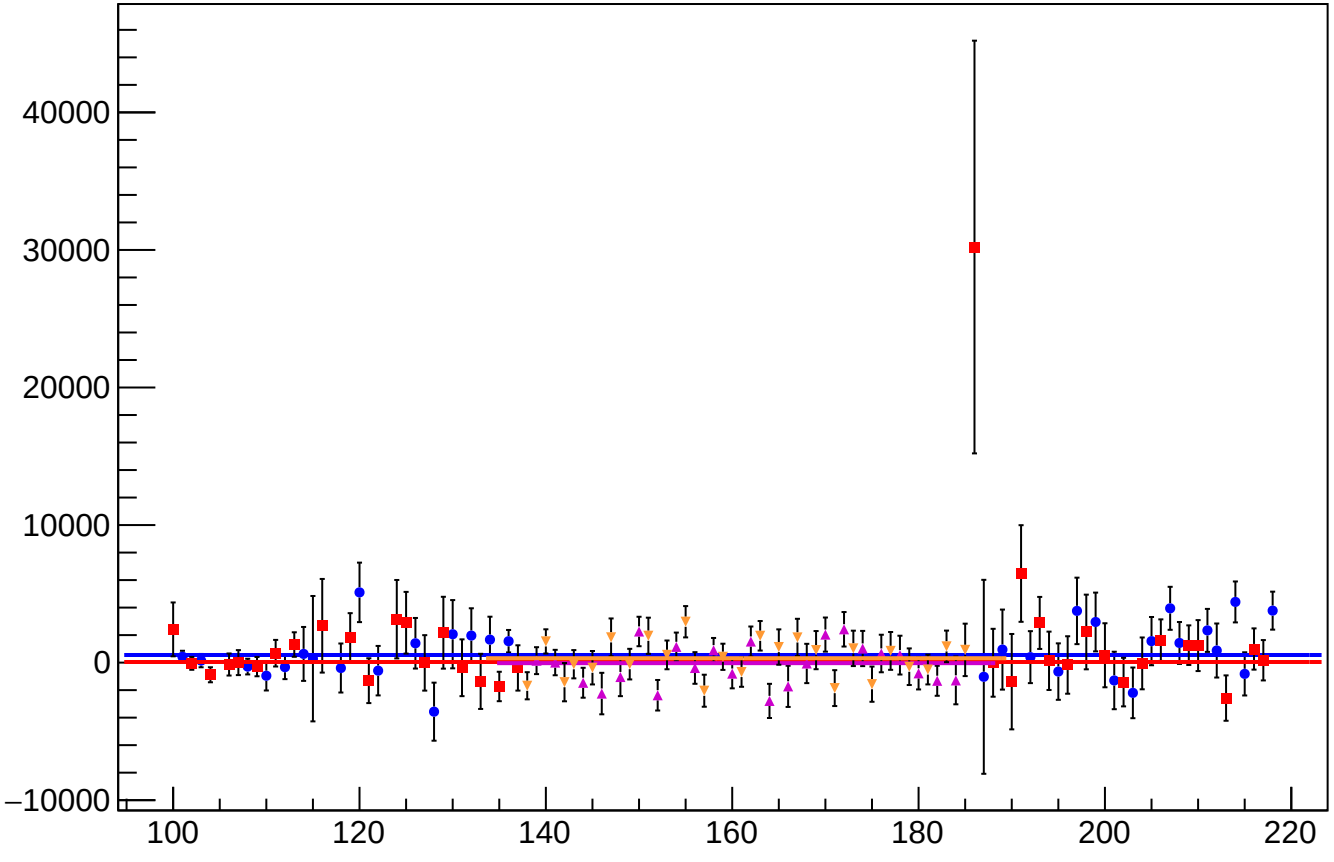
Left In: 160.874+/-0.027 χ^2/NDF:268330.7/22

+ sign 142.185+/-0.016 χ^2/NDF: 3812759.9/56

All: 141.623+/-0.012 χ^2/NDF: 9234035.6/115

- sign 141.048+/-0.017 χ^2/NDF: 5418904.8/58

asym_sam6_reg_correction_mean vs Slug



Right In: 554.101+/-205.927 χ^2/NDF: 44.1/31

Left Out: 319.947+/-235.084 χ^2/NDF:32.5/24

Right Out: 45.431+/-208.371 χ^2/NDF: 32.7/35

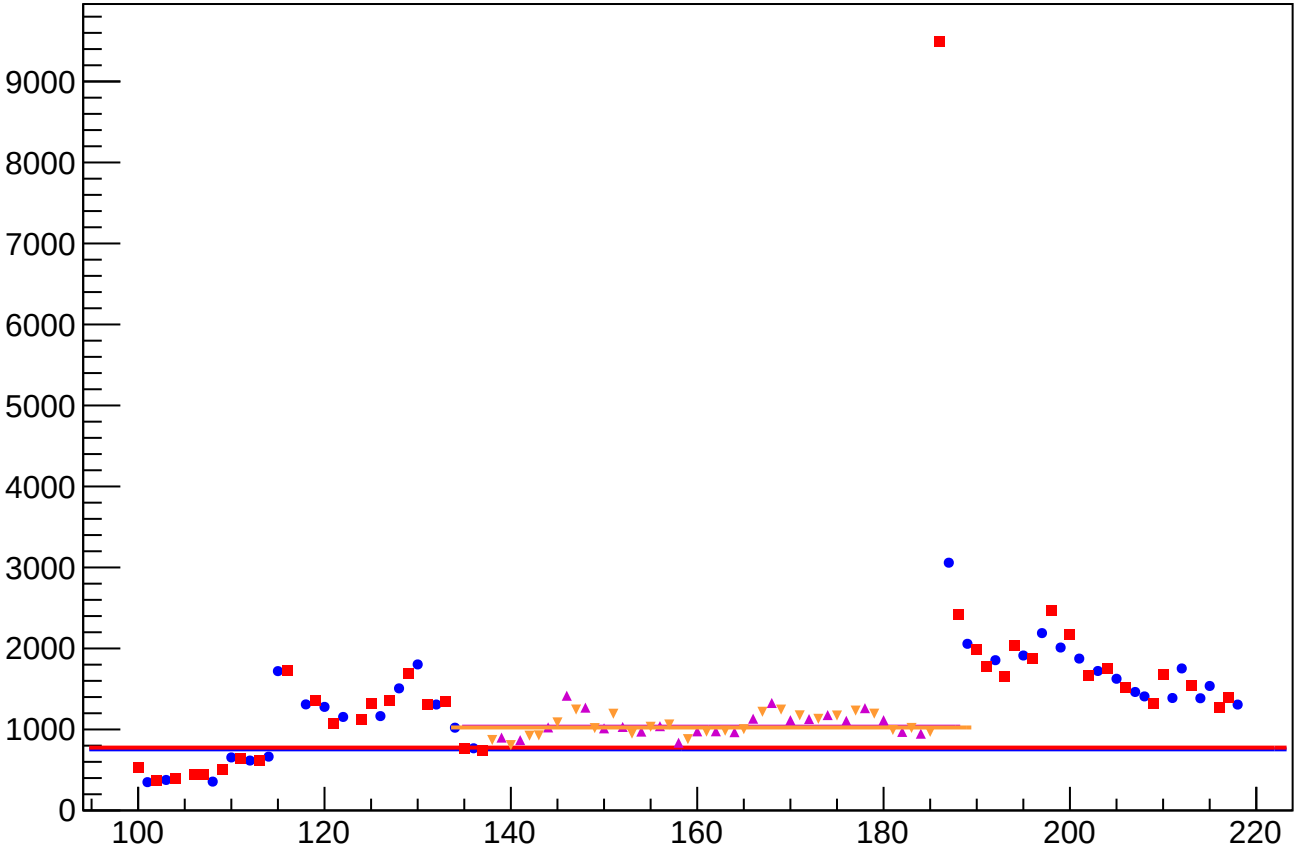
Left In: -39.197+/-244.156 χ^2/NDF:34.8/22

+ sign 452.437+/-154.901 χ^2/NDF: 77.2/56

All: 236.180+/-110.781 χ^2/NDF: 148.7/115

- sign 9.768+/-158.497 χ^2/NDF: 67.6/58

asym_sam6_reg_correction_rms vs Slug



Right In: 754.494+/-0.146 χ^2/NDF: 13183743.9/31

Left Out: 1024.493+/-0.166 χ^2/NDF:597629.4/24

Right Out: 775.941+/-0.147 χ^2/NDF: 13235384.7/35

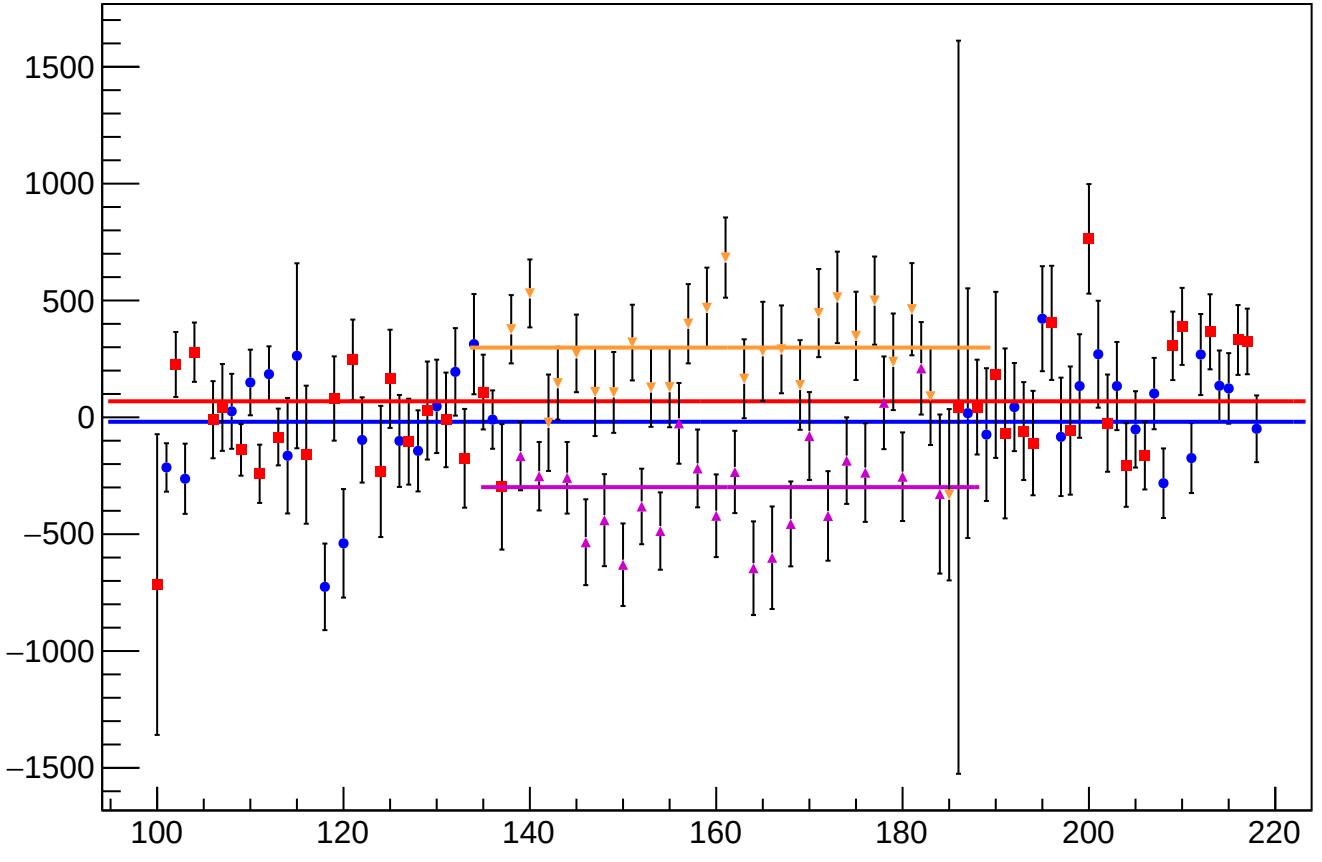
Left In: 1034.428+/-0.173 χ^2/NDF:628477.2/22

+ sign 871.721+/-0.110 χ^2/NDF: 15274139.1/56

All: 878.145+/-0.078 χ^2/NDF: 30442044.1/11

- sign 884.870+/-0.112 χ^2/NDF: 15160864.0/58

cor_asym_sam6_mean vs Slug



Right In: -19.043+/-30.373 χ^2/NDF: 52.1/31

Left Out: 298.518+/-36.051 χ^2/NDF:26.0/24

Right Out: 68.672+/-30.005 χ^2/NDF: 57.9/35

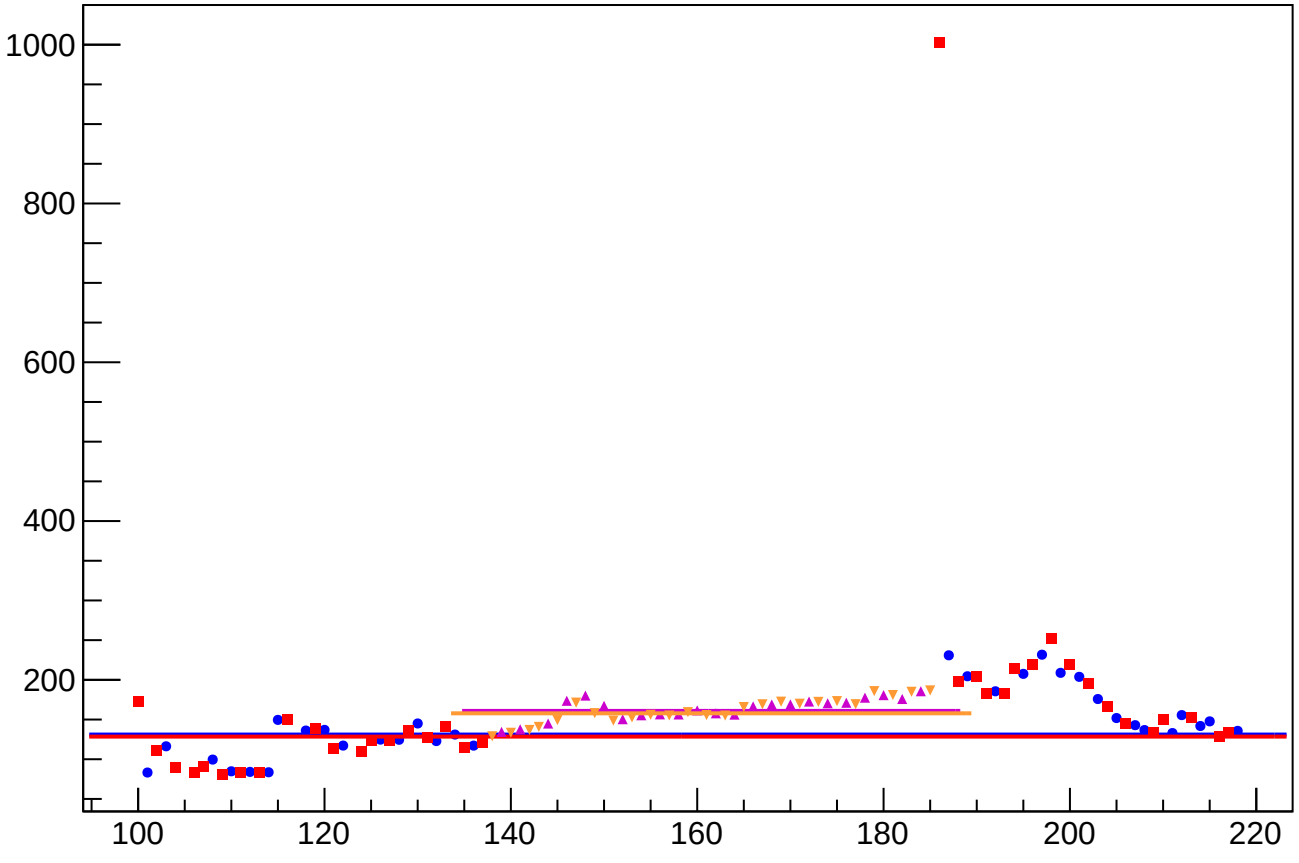
Left In: -298.682+/-37.727 χ^2/NDF:29.4/22

+ sign 112.789+/-23.228 χ^2/NDF: 123.5/56

All: 20.583+/-16.514 χ^2/NDF: 300.8/115

- sign -73.662+/-23.483 χ^2/NDF: 145.5/58

cor_asym_sam6_rms vs Slug



Right In: 131.076+/-0.021 χ^2/NDF: 2791021.1/31

Left Out: 157.836+/-0.025 χ^2/NDF:377205.2/24

Right Out: 128.522+/-0.021 χ^2/NDF: 4261455.1/35

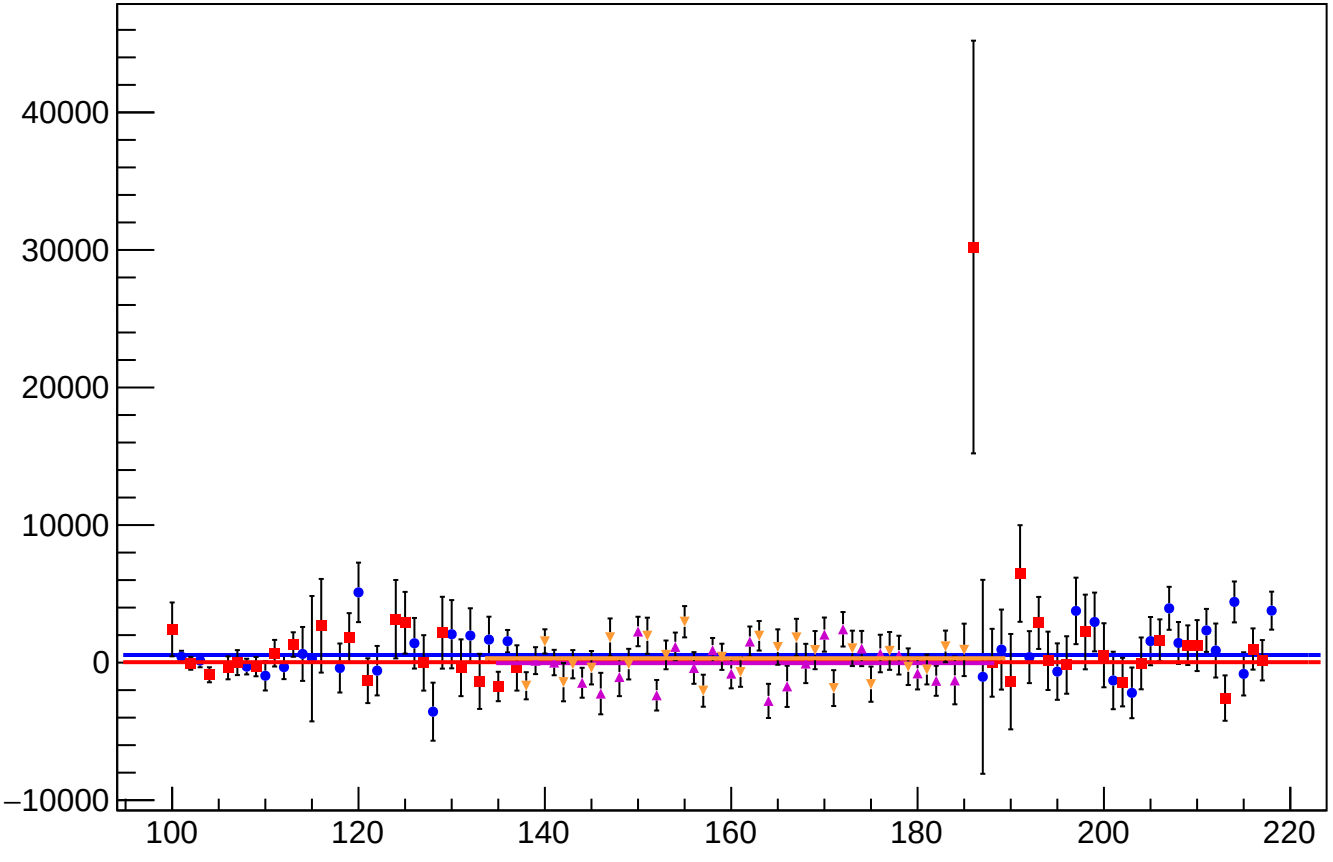
Left In: 160.874+/-0.027 χ^2/NDF:268330.7/22

\+ sign 142.185+/-0.016 χ^2/NDF: 3812755.8/56

All: 141.627+/-0.012 χ^2/NDF: 9245800.9/115

\- sign 141.057+/-0.017 χ^2/NDF: 5430711.0/58

asym_sam6_cor_correction_mean vs Slug



Right In: 554.200+/-205.922 χ^2/NDF: 44.1/31

Left Out: 319.953+/-235.084 χ^2/NDF:32.5/24

Right Out: 31.689+/-208.823 χ^2/NDF: 32.9/35

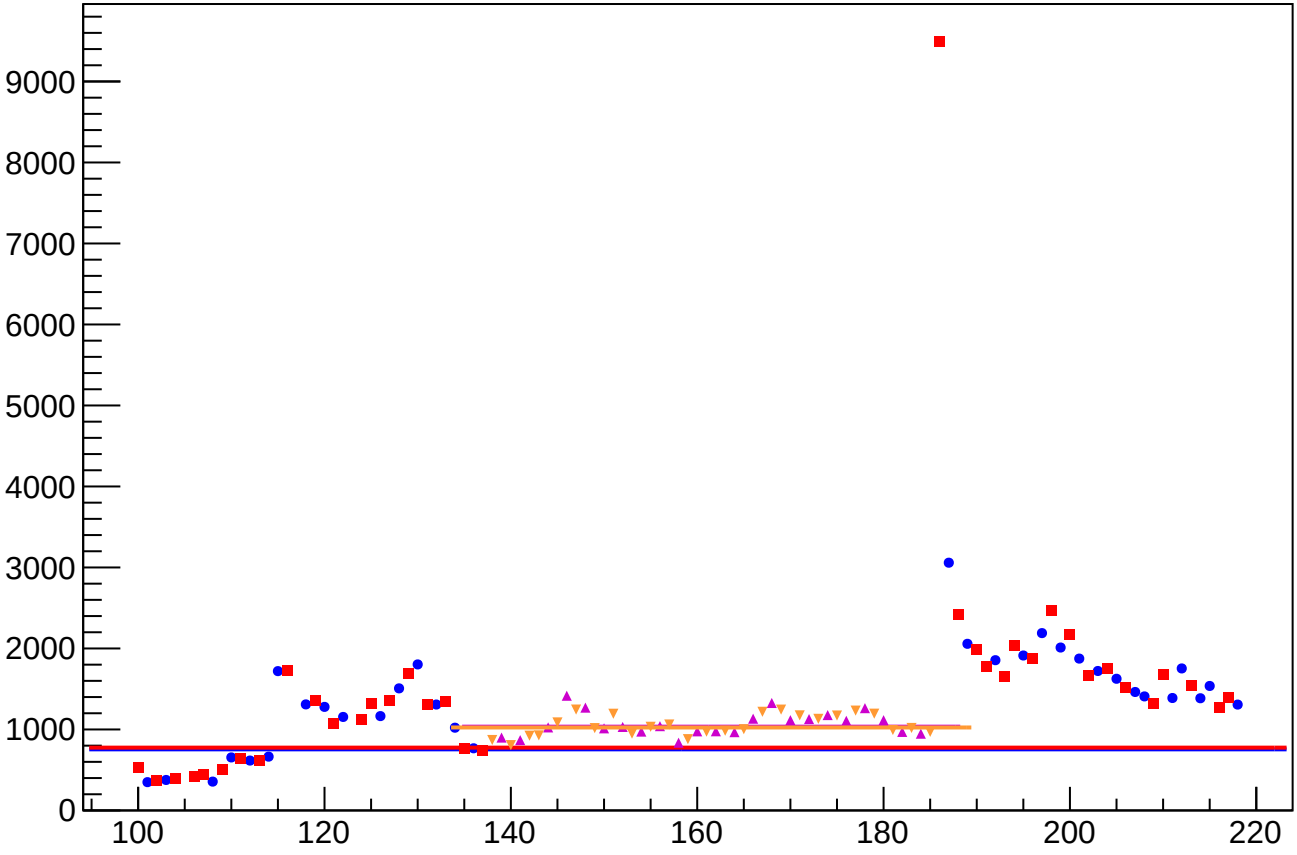
Left In: -39.198+/-244.156 χ^2/NDF:34.8/22

\+ sign 452.499+/-154.899 χ^2/NDF: 77.2/56

All: 232.577+/-110.848 χ^2/NDF: 149.0/115

\- sign 1.742+/-158.696 χ^2/NDF: 67.7/58

asym_sam6_cor_correction_rms vs Slug



Right In: 754.466+/-0.146 χ^2/NDF: 13184409.7/31

Left Out: 1024.493+/-0.166 χ^2/NDF:597629.0/24

Right Out: 775.600+/-0.148 χ^2/NDF: 13270918.8/35

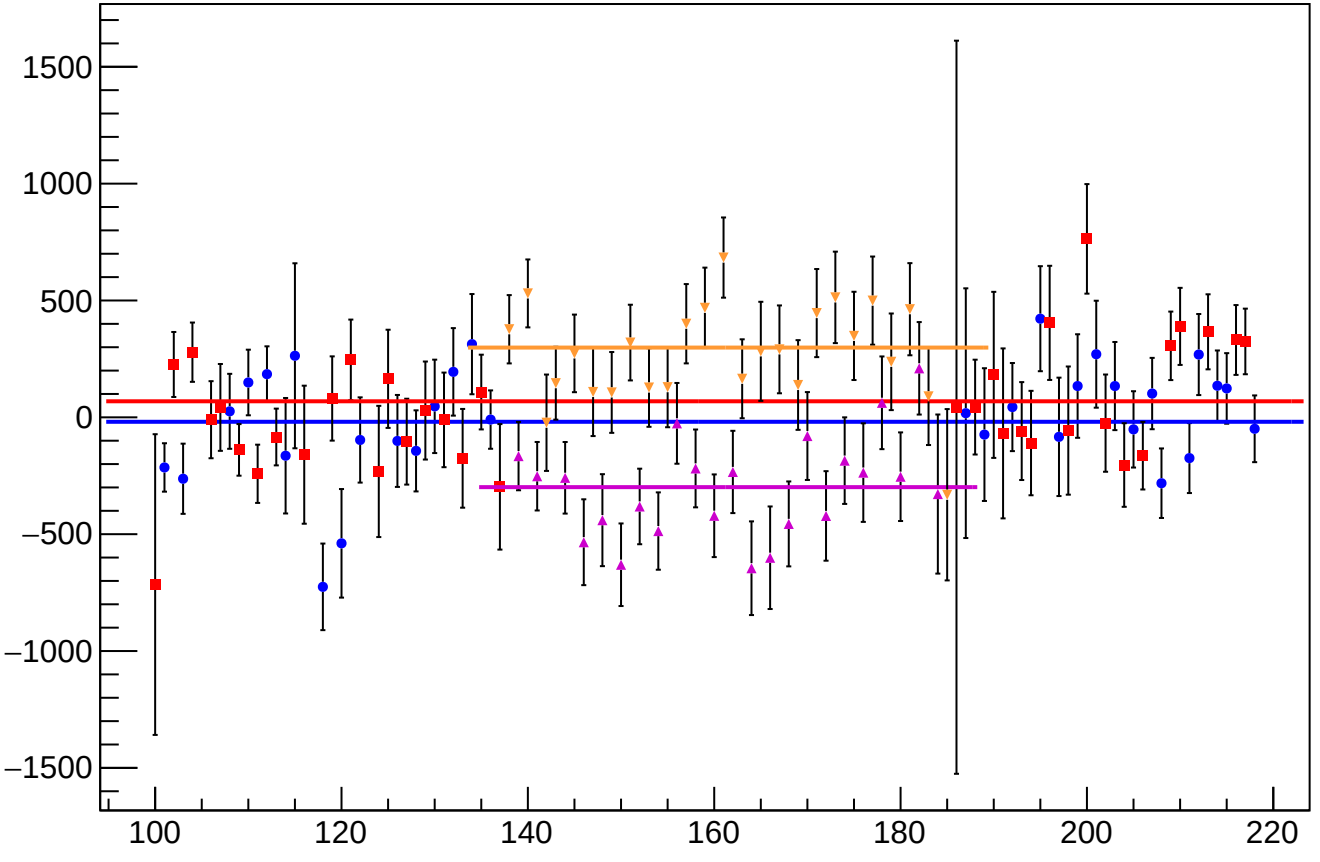
Left In: 1034.428+/-0.173 χ^2/NDF:628474.5/22

+ sign 871.702+/-0.110 χ^2/NDF: 15275147.8/56

All: 878.164+/-0.078 χ^2/NDF: 30479720.5/11

- sign 884.947+/-0.112 χ^2/NDF: 15197437.5/58

eigen_cor_asym_sam6_mean vs Slug



Right In: -19.043+/-30.373 χ^2/NDF: 52.1/31

Left Out: 298.518+/-36.051 χ^2/NDF:26.0/24

Right Out: 68.672+/-30.005 χ^2/NDF: 57.9/35

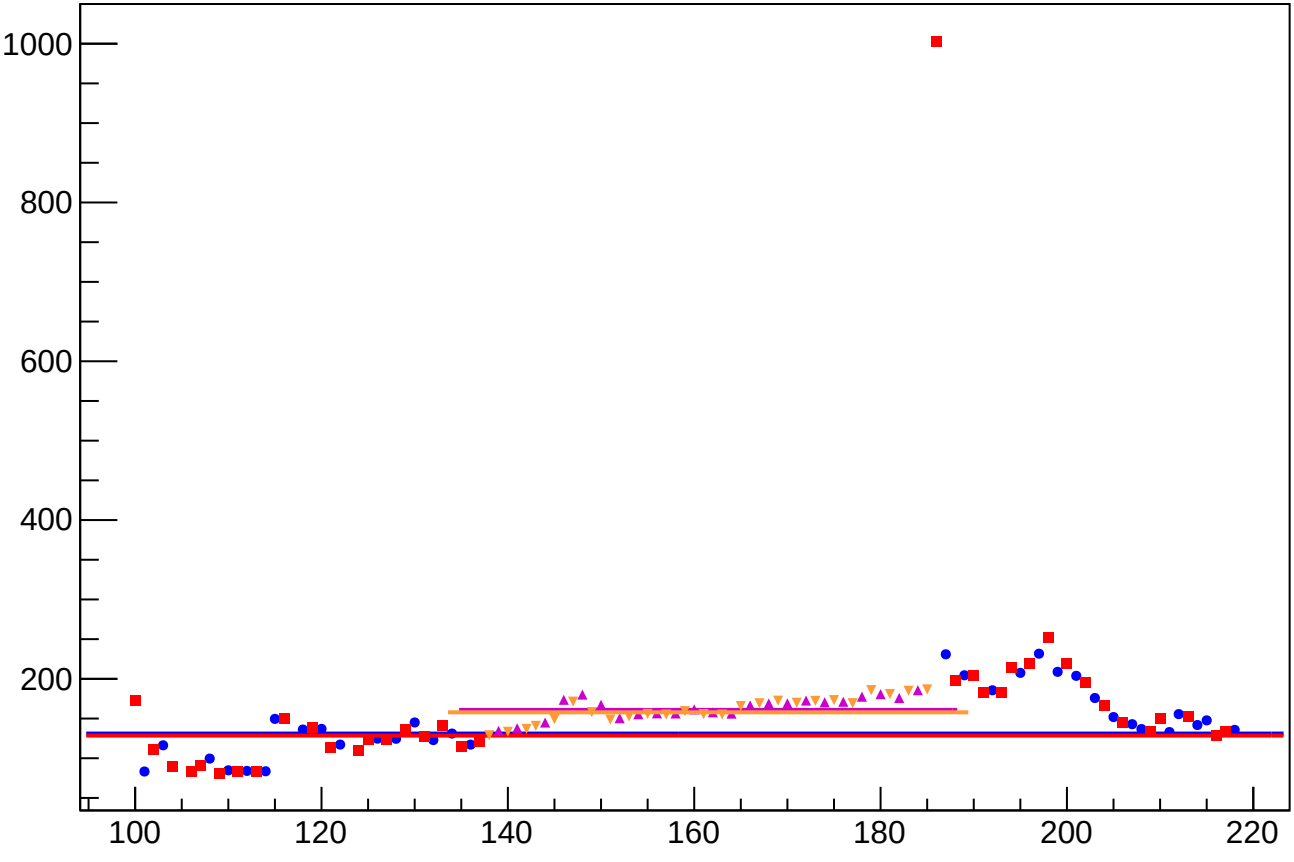
Left In: -298.682+/-37.727 χ^2/NDF:29.4/22

+ sign 112.789+/-23.228 χ^2/NDF: 123.5/56

All: 20.583+/-16.514 χ^2/NDF: 300.8/115

- sign -73.662+/-23.483 χ^2/NDF: 145.5/58

eigen_cor_asym_sam6_rms vs Slug



Right In: 131.076+/-0.021 χ^2/NDF: 2791021.1/31

Left Out: 157.836+/-0.025 χ^2/NDF:377205.2/24

Right Out: 128.522+/-0.021 χ^2/NDF: 4261455.1/35

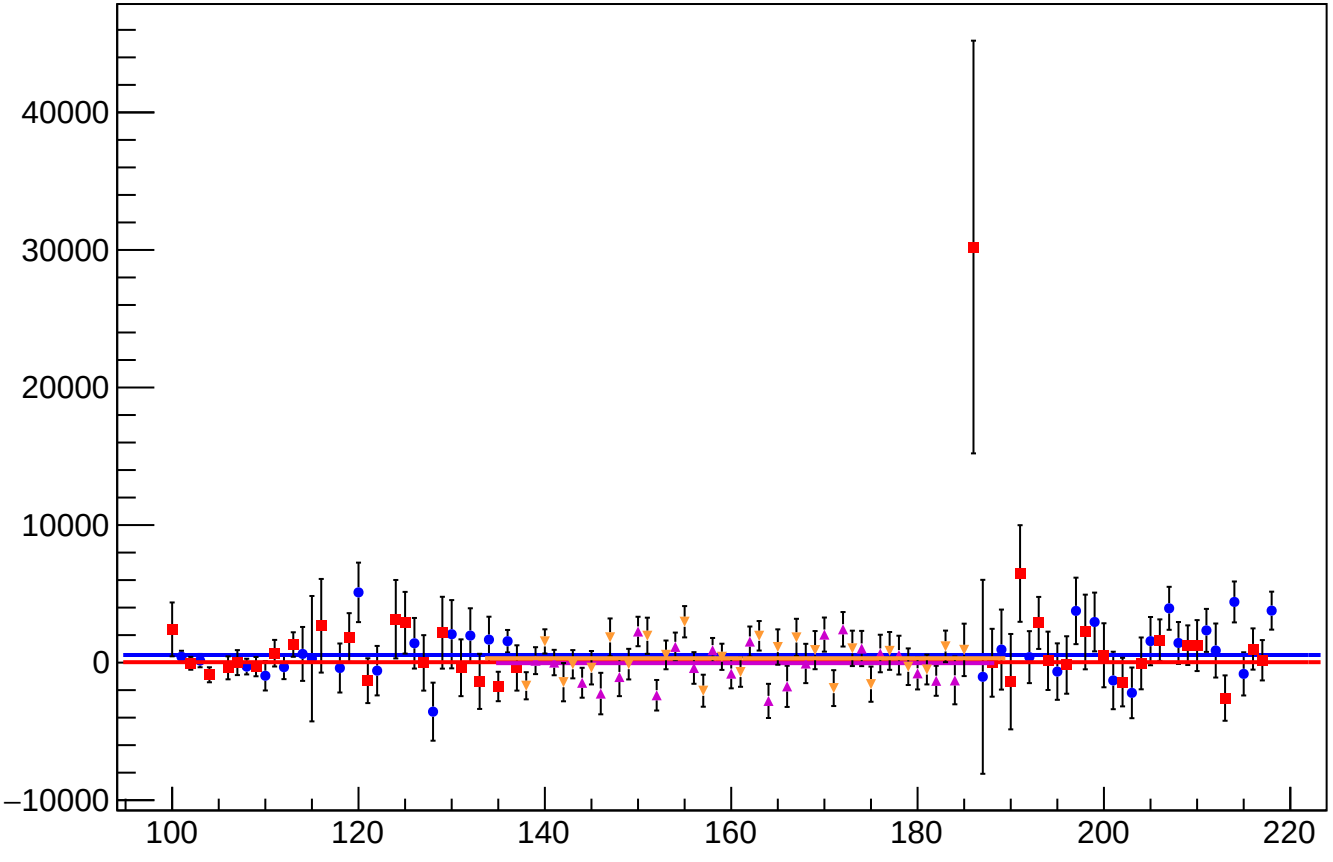
Left In: 160.874+/-0.027 χ^2/NDF:268330.7/22

+ sign 142.185+/-0.016 χ^2/NDF: 3812755.8/56

All: 141.627+/-0.012 χ^2/NDF: 9245800.9/115

- sign 141.057+/-0.017 χ^2/NDF: 5430711.0/58

asym_sam6_eigen_cor_correction_mean vs Slug



Right In: 554.200+/-205.922 χ^2/NDF: 44.1/31

Left Out: 319.953+/-235.084 χ^2/NDF:32.5/24

Right Out: 31.689+/-208.823 χ^2/NDF: 32.9/35

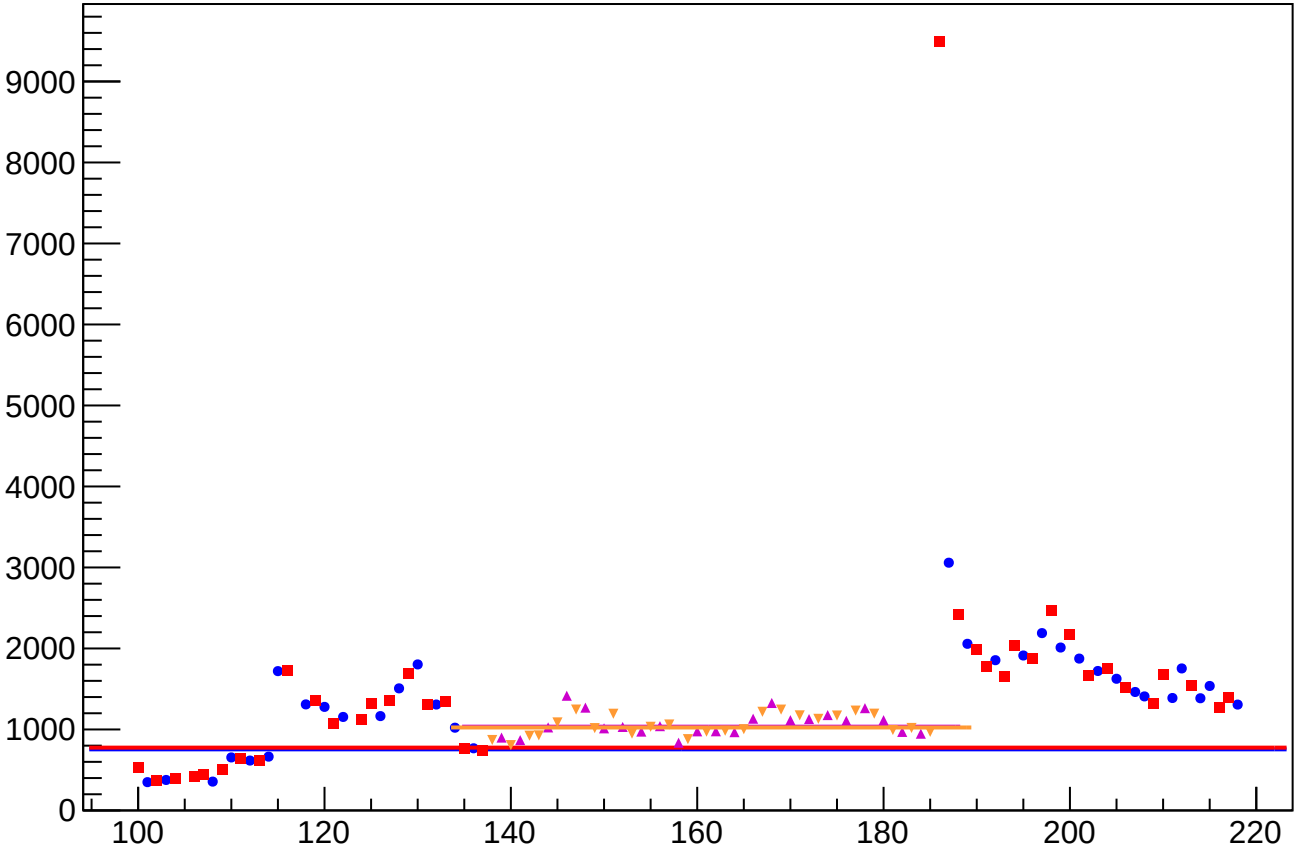
Left In: -39.198+/-244.156 χ^2/NDF:34.8/22

\+ sign 452.499+/-154.899 χ^2/NDF: 77.2/56

All: 232.577+/-110.848 χ^2/NDF: 149.0/115

\- sign 1.742+/-158.696 χ^2/NDF: 67.7/58

asym_sam6_eigen_cor_correction_rms vs Slug



Right In: 754.466+/-0.146 χ^2/NDF: 13184409.7/31

Left Out: 1024.493+/-0.166 χ^2/NDF:597629.0/24

Right Out: 775.600+/-0.148 χ^2/NDF: 13270918.8/35

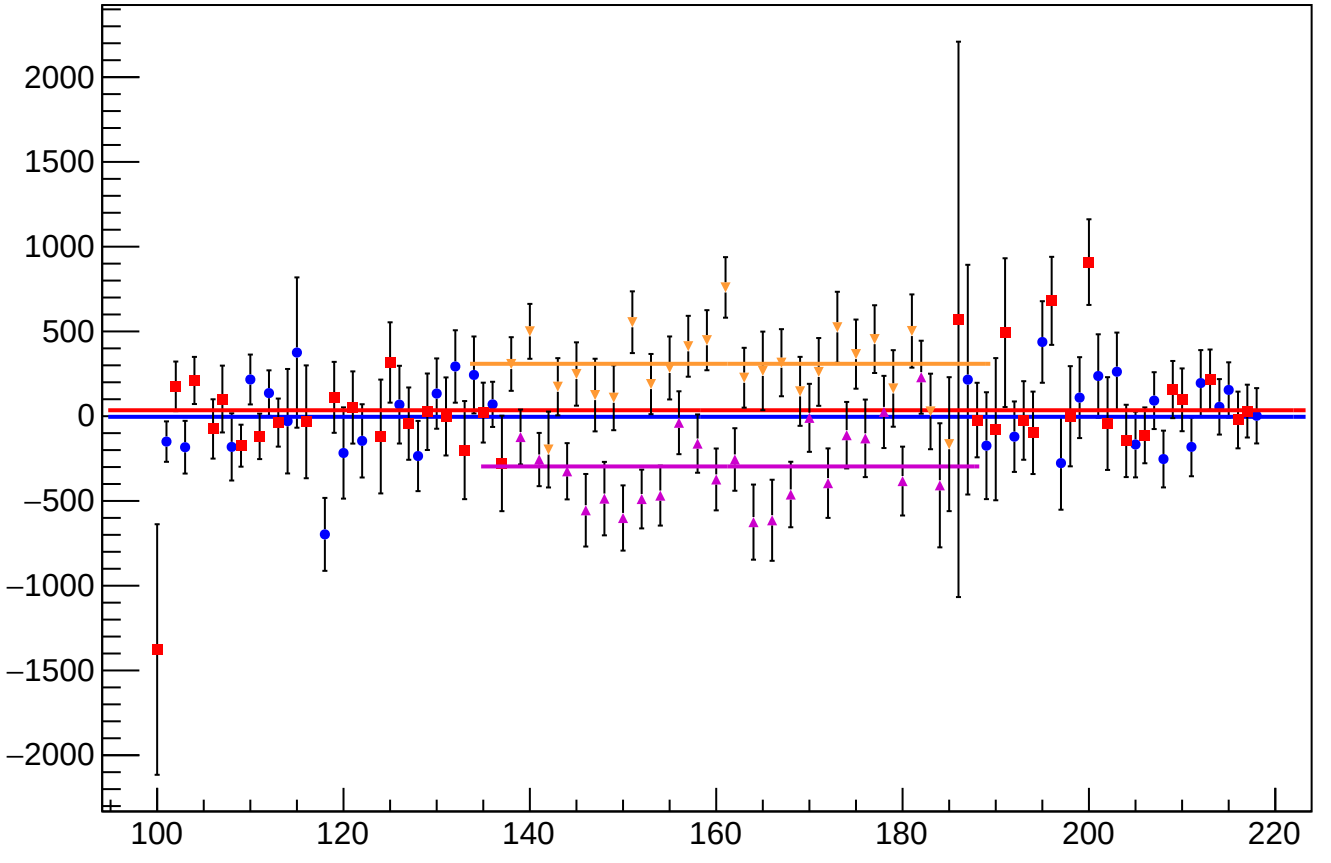
Left In: 1034.428+/-0.173 χ^2/NDF:628474.5/22

+ sign 871.702+/-0.110 χ^2/NDF: 15275147.8/56

All: 878.164+/-0.078 χ^2/NDF: 30479720.5/11

- sign 884.947+/-0.112 χ^2/NDF: 15197437.5/58

dit_asym_sam6_mean vs Slug



Right In: -3.746+/-34.034 χ^2/NDF: 38.3/31

Left Out: 309.031+/-38.901 χ^2/NDF:25.6/24

Right Out: 35.031+/-33.682 χ^2/NDF: 38.3/35

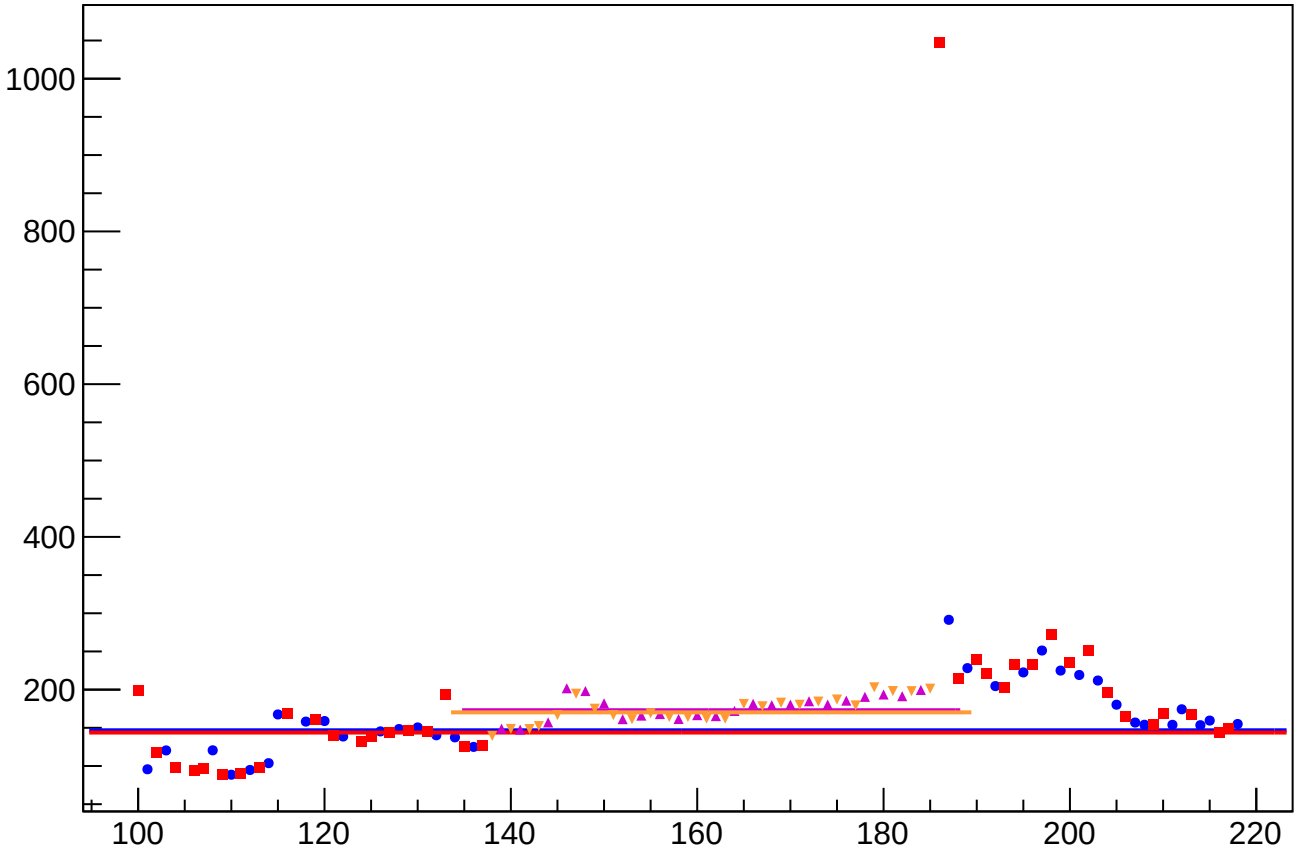
Left In: -296.497+/-40.607 χ^2/NDF:27.8/22

+ sign 131.864+/-25.614 χ^2/NDF: 100.5/56

All: 17.279+/-18.221 χ^2/NDF: 246.6/115

- sign -100.096+/-25.924 χ^2/NDF: 105.6/58

dit_asym_sam6_rms vs Slug



Right In: 146.744+/-0.024 χ^2/NDF: 2735159.3/31

Left Out: 170.240+/-0.028 χ^2/NDF:366302.5/24

Right Out: 143.800+/-0.024 χ^2/NDF: 4423418.4/35

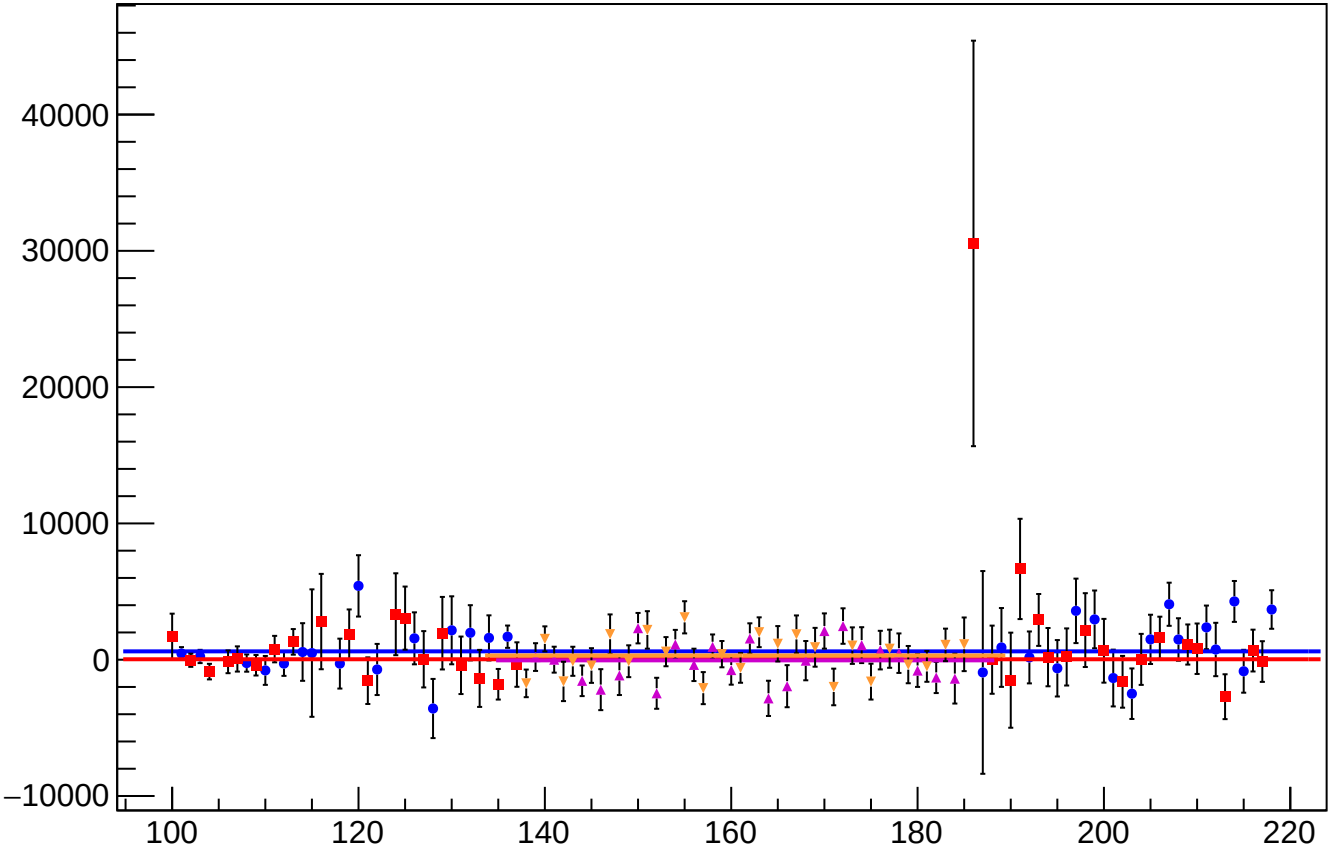
Left In: 173.024+/-0.029 χ^2/NDF:293702.8/22

+ sign 156.931+/-0.018 χ^2/NDF: 3514748.7/56

All: 156.329+/-0.013 χ^2/NDF: 8847785.9/115

- sign 155.711+/-0.018 χ^2/NDF: 5330794.6/58

asym_sam6_dit_correction_mean vs Slug



Right In: 612.500+/-214.040 χ^2/NDF: 42.5/31

Left Out: 313.641+/-242.402 χ^2/NDF:32.9/24

Right Out: 33.047+/-215.011 χ^2/NDF: 31.6/35

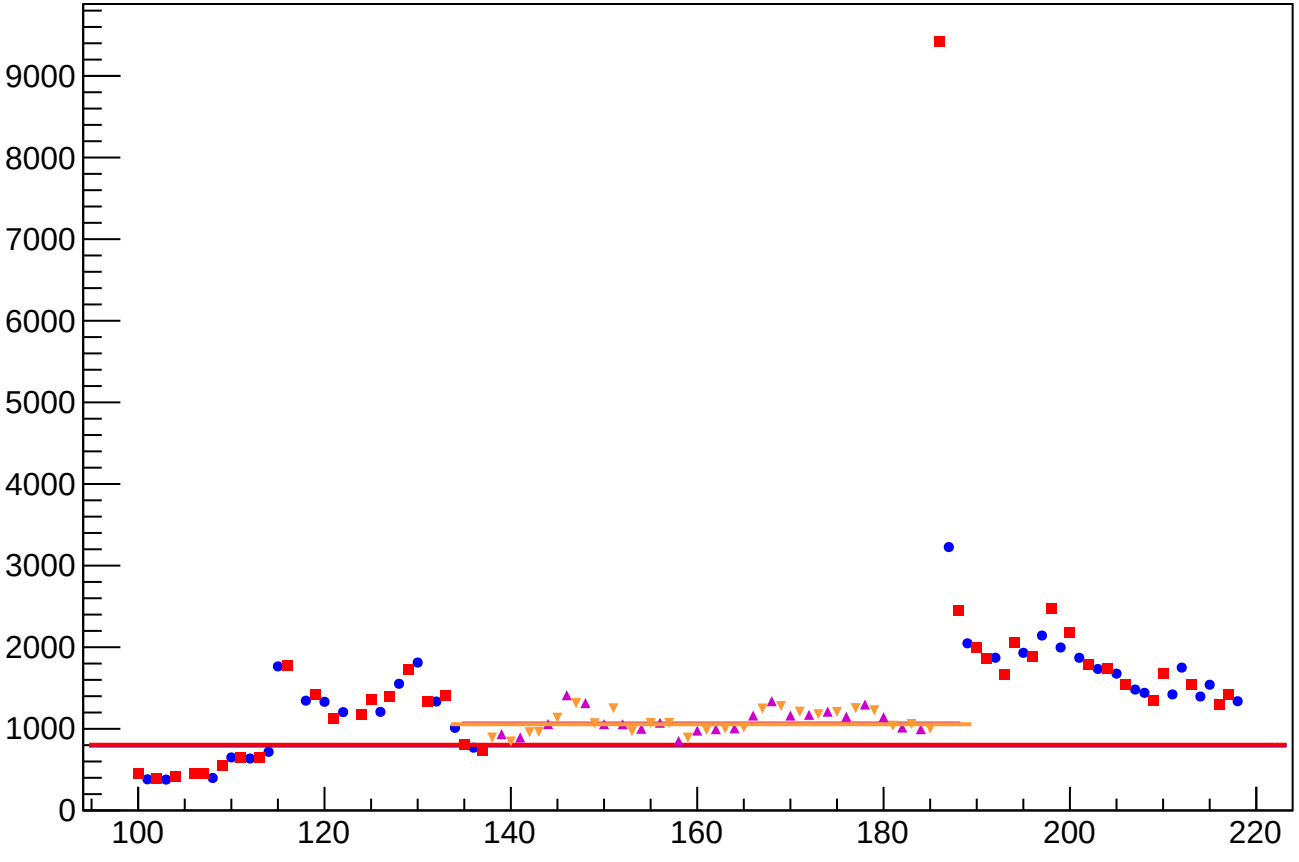
Left In: -47.231+/-251.252 χ^2/NDF:34.4/22

+ sign 481.569+/-160.444 χ^2/NDF: 76.3/56

All: 244.684+/-114.468 χ^2/NDF: 146.8/115

- sign -0.890+/-163.360 χ^2/NDF: 66.1/58

asym_sam6_dit_correction_rms vs Slug



Right In: 795.634+/-0.151 χ^2/NDF: 12433978.9/31

Left Out: 1056.328+/-0.171 χ^2/NDF:610710.4/24

Right Out: 805.224+/-0.152 χ^2/NDF: 12974064.4/35

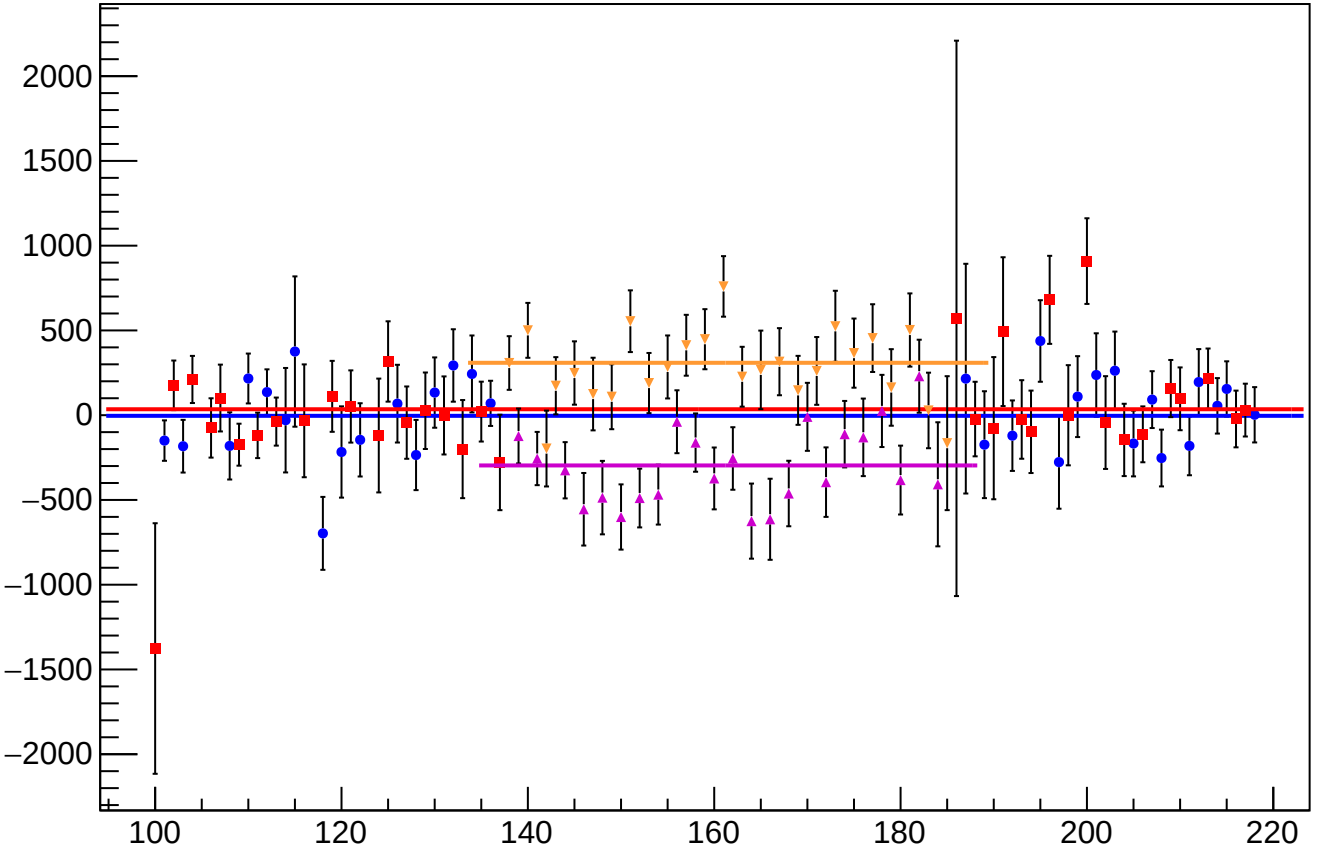
Left In: 1064.691+/-0.178 χ^2/NDF:611055.8/22

+ sign 909.844+/-0.113 χ^2/NDF: 14344494.9/56

All: 912.332+/-0.081 χ^2/NDF: 29161847.3/11

- sign 914.912+/-0.116 χ^2/NDF: 14816373.0/58

eigen_dit_asym_sam6_mean vs Slug



Right In: -3.748+/-34.034 χ^2/NDF: 38.3/31

Left Out: 309.032+/-38.901 χ^2/NDF:25.6/24

Right Out: 35.030+/-33.682 χ^2/NDF: 38.3/35

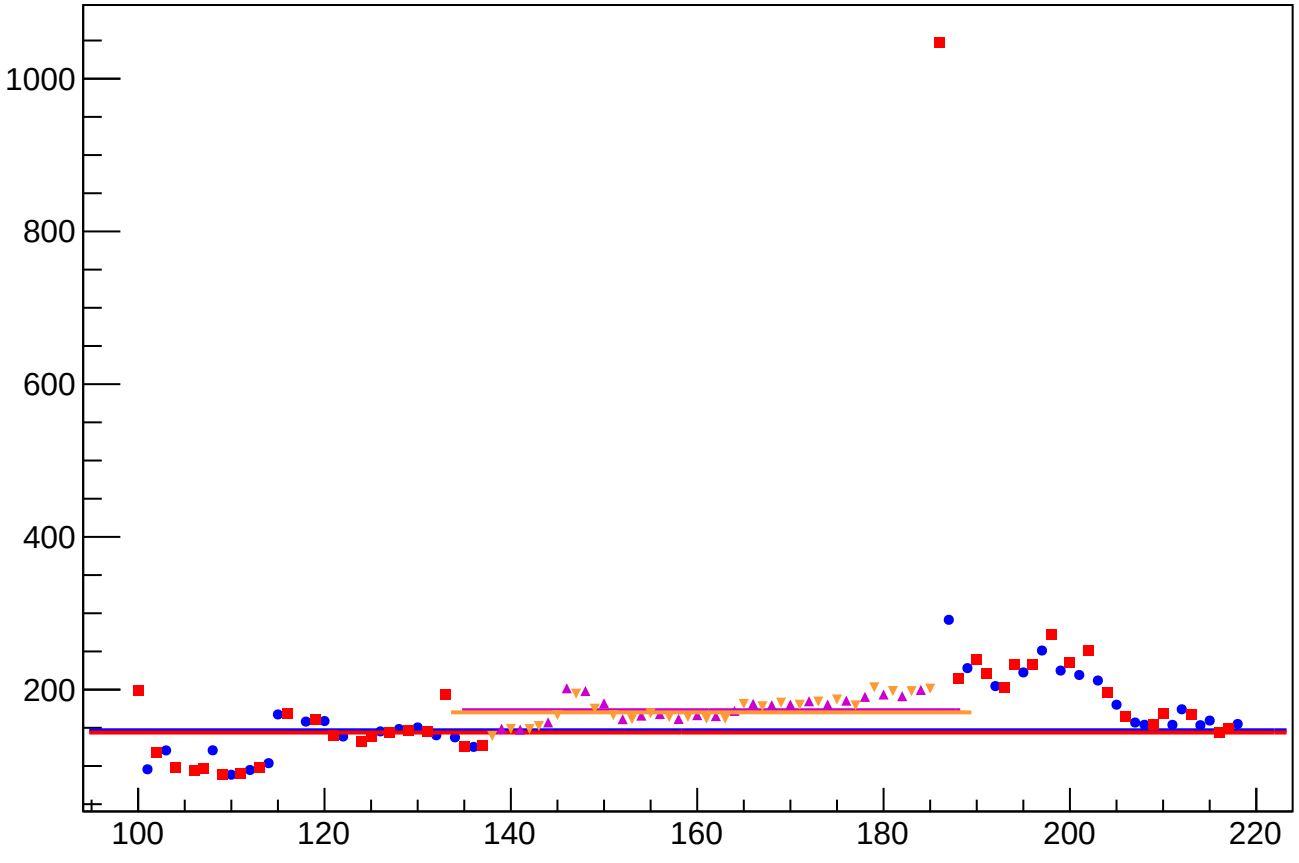
Left In: -296.497+/-40.607 χ^2/NDF:27.8/22

+ sign 131.863+/-25.614 χ^2/NDF: 100.5/56

All: 17.278+/-18.221 χ^2/NDF: 246.6/115

- sign -100.097+/-25.924 χ^2/NDF: 105.6/58

eigen_dit_asym_sam6_rms vs Slug



Right In: 146.744+/-0.024 χ^2/NDF: 2735179.4/31

Left Out: 170.240+/-0.028 χ^2/NDF:366303.1/24

Right Out: 143.799+/-0.024 χ^2/NDF: 4423425.8/35

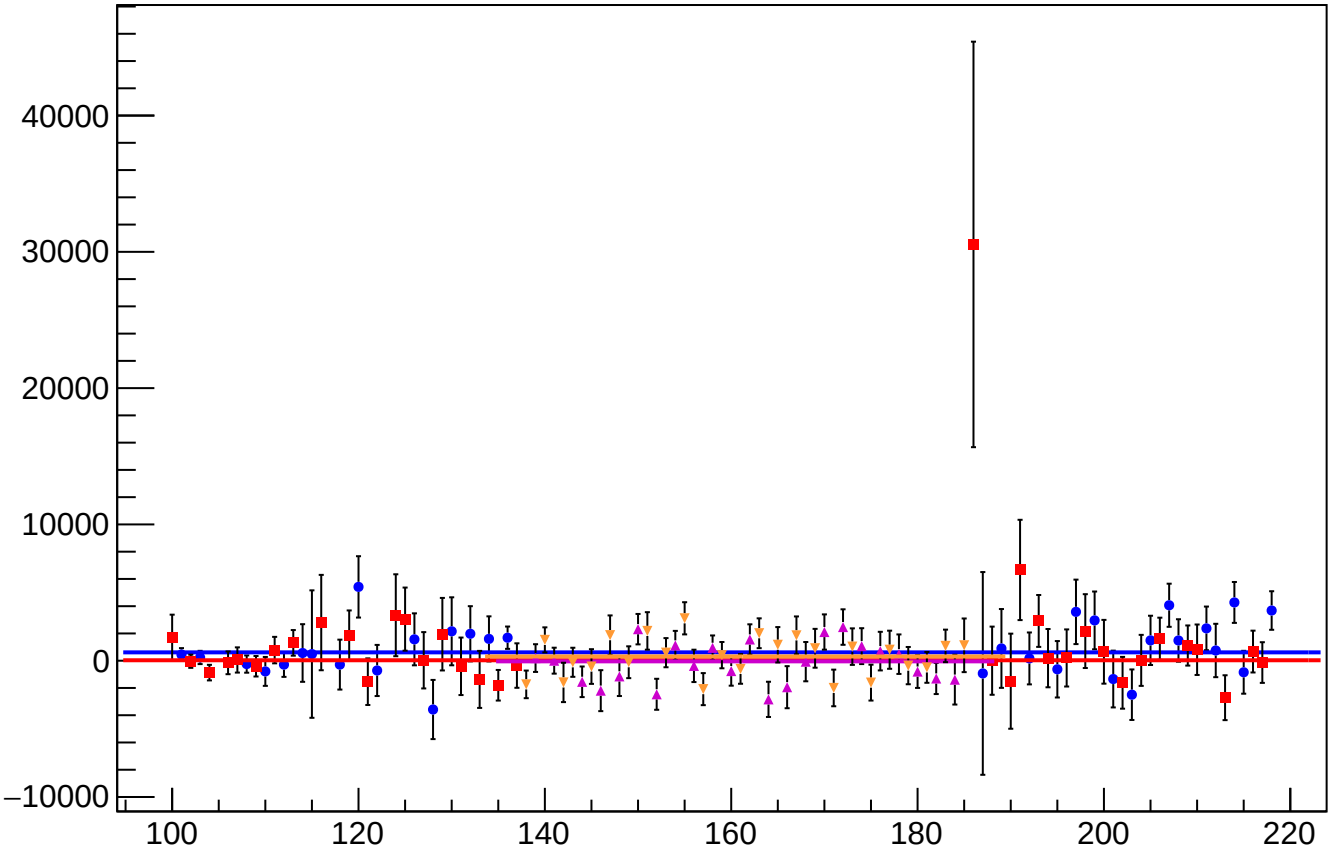
Left In: 173.023+/-0.029 χ^2/NDF:293703.4/22

+ sign 156.931+/-0.018 χ^2/NDF: 3514770.7/56

All: 156.328+/-0.013 χ^2/NDF: 8847817.8/115

- sign 155.711+/-0.018 χ^2/NDF: 5330804.5/58

asym_sam6_eigen_dit_correction_mean vs Slug



Right In: 612.499+/-214.040 χ^2/NDF: 42.5/31

Left Out: 313.641+/-242.402 χ^2/NDF:32.9/24

Right Out: 33.046+/-215.011 χ^2/NDF: 31.6/35

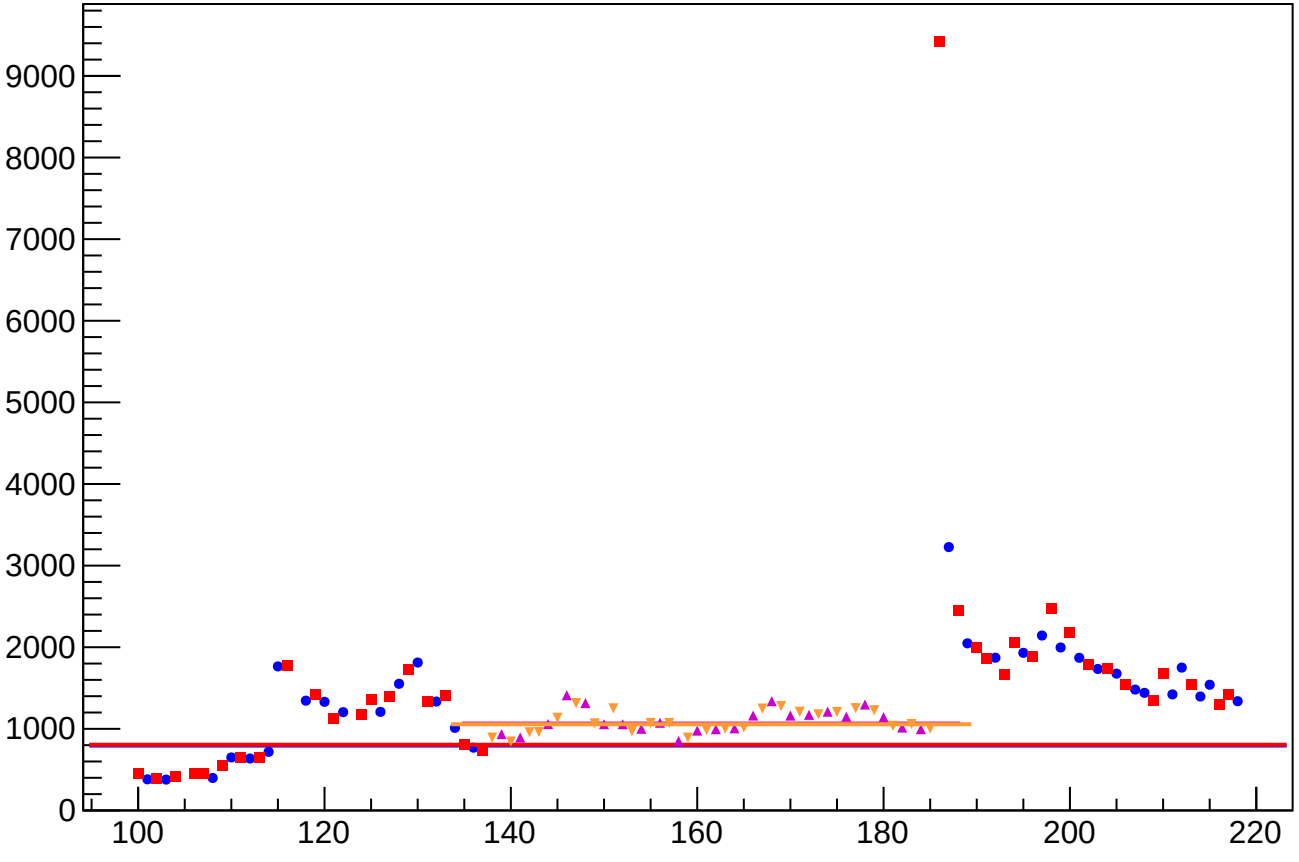
Left In: -47.231+/-251.252 χ^2/NDF:34.4/22

+ sign 481.569+/-160.444 χ^2/NDF: 76.3/56

All: 244.684+/-114.468 χ^2/NDF: 146.8/115

- sign -0.891+/-163.360 χ^2/NDF: 66.1/58

asym_sam6_eigen_dit_correction_rms vs Slug



Right In: 795.633+/-0.151 χ^2/NDF: 12433996.3/31

Left Out: 1056.328+/-0.171 χ^2/NDF:610715.5/24

Right Out: 805.223+/-0.152 χ^2/NDF: 12974072.0/35

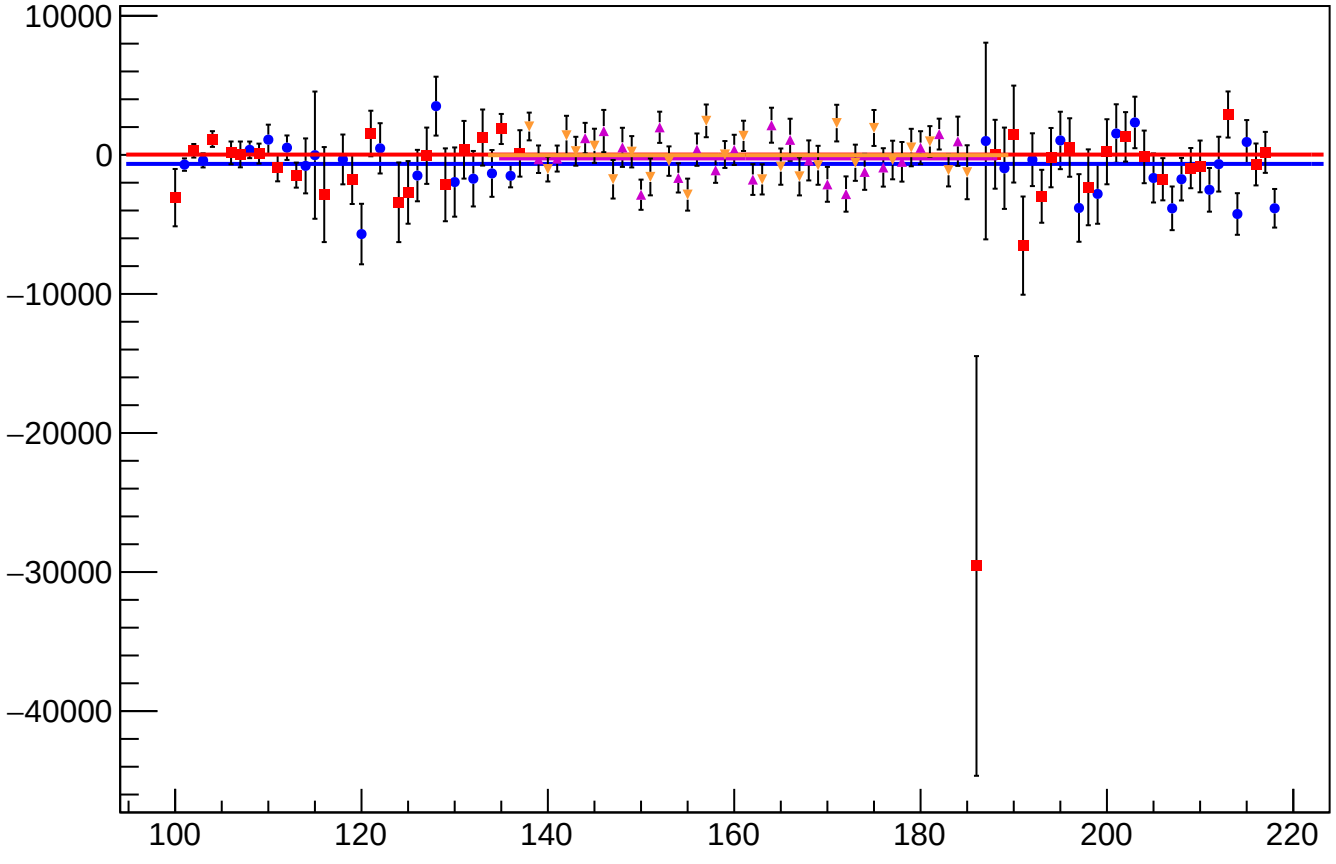
Left In: 1064.691+/-0.178 χ^2/NDF:611059.3/22

+ sign 909.844+/-0.113 χ^2/NDF: 14344529.8/56

All: 912.332+/-0.081 χ^2/NDF: 29161900.3/11

- sign 914.911+/-0.116 χ^2/NDF: 14816391.0/58

asym_sam6_mean vs Slug



Right In: -648.799+/-210.997 χ^2/NDF: 44.8/31

Left Out: -21.861+/-237.972 χ^2/NDF:34.5/24

Right Out: 21.597+/-212.967 χ^2/NDF: 36.2/35

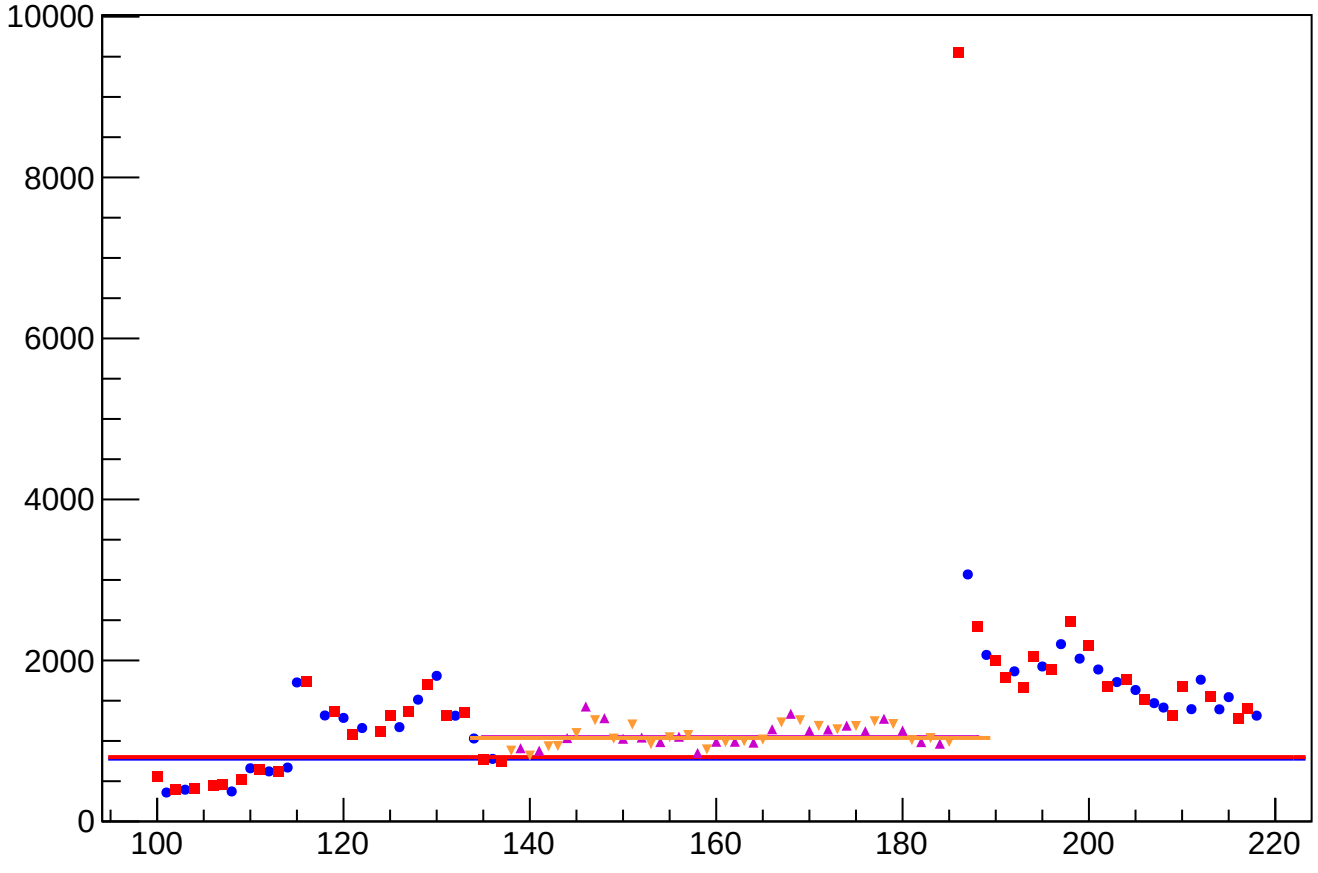
Left In: -255.399+/-247.203 χ^2/NDF:33.6/22

+ sign -372.862+/-157.877 χ^2/NDF: 83.2/56

All: -237.640+/-112.843 χ^2/NDF: 155.1/115

- sign -96.407+/-161.348 χ^2/NDF: 70.4/58

asym_sam6_rms vs Slug



Right In: 780.283+/-0.149 χ^2/NDF: 12677068.4/31

Left Out: 1037.324+/-0.168 χ^2/NDF:585511.9/24

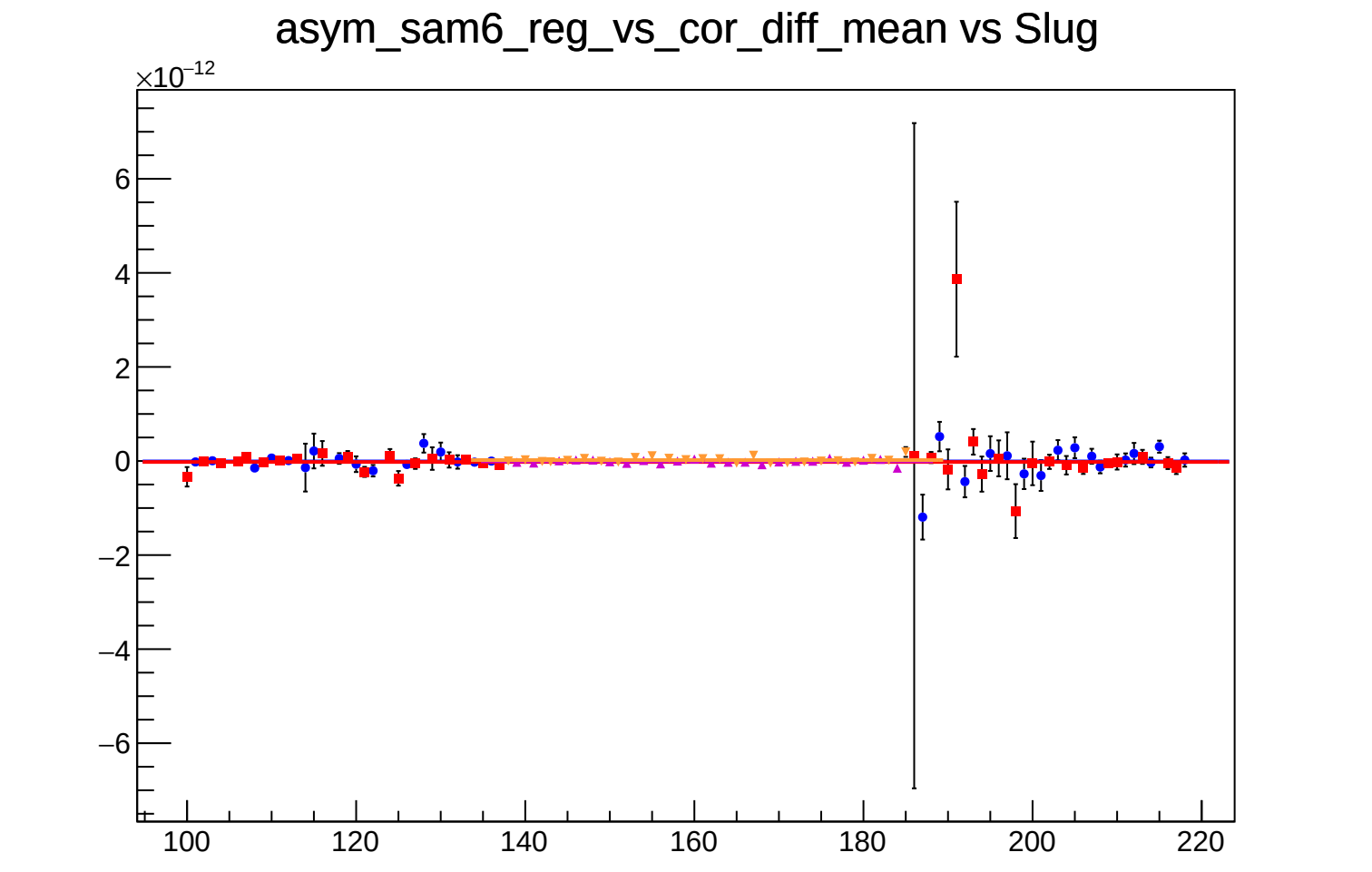
Right Out: 799.396+/-0.151 χ^2/NDF: 12805346.3/35

Left In: 1047.629+/-0.175 χ^2/NDF:613357.0/22

\+ sign 893.415+/-0.112 χ^2/NDF: 14568959.6/56

All: 899.153+/-0.080 χ^2/NDF: 29150632.2/11

\- sign 905.146+/-0.114 χ^2/NDF: 14576272.0/58



Right In: -0.000+/-0.000 χ^2/NDF: 39.3/31

Left Out: 0.000+/-0.000 χ^2/NDF:30.0/24

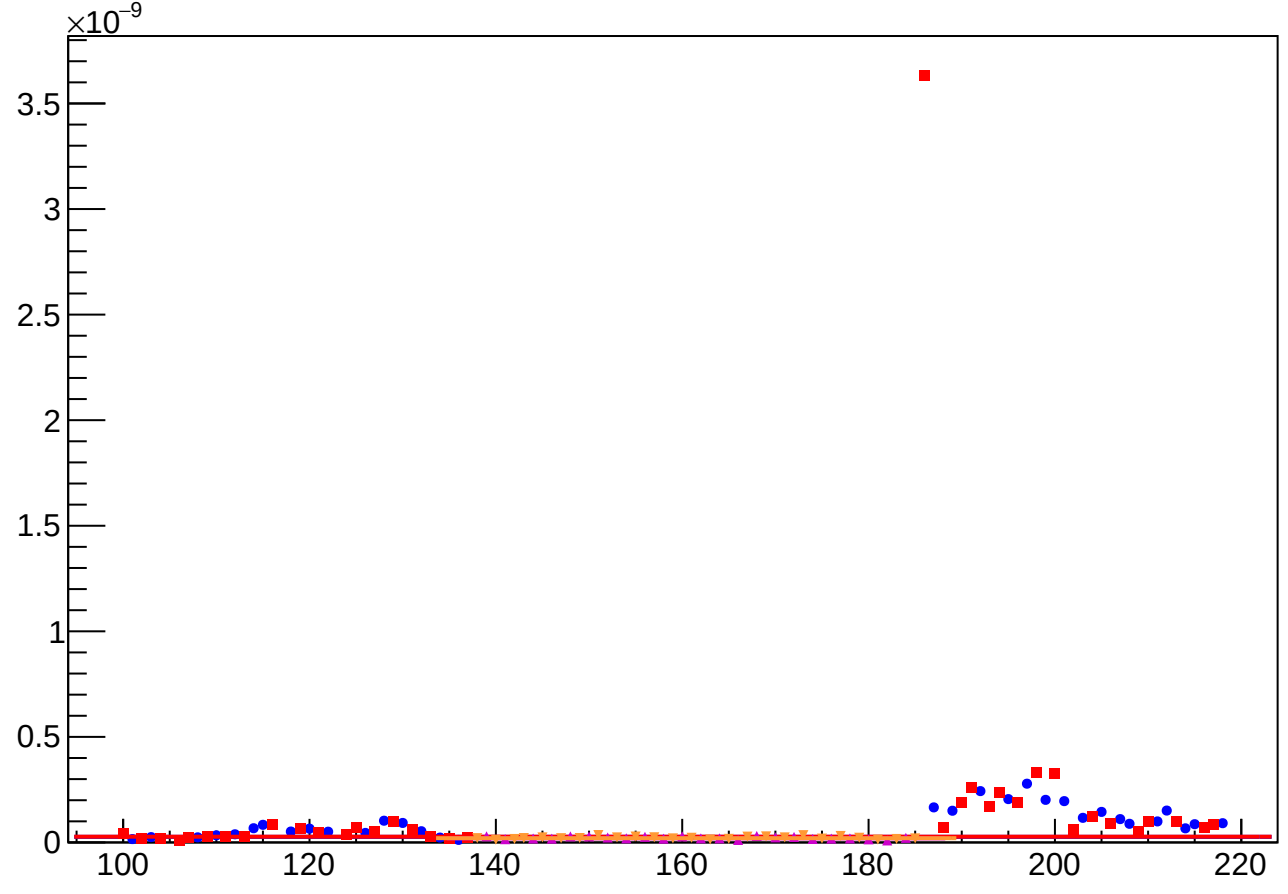
Right Out: -0.000+/-0.000 χ^2/NDF: 35.1/35

Left In: -0.000+/-0.000 χ^2/NDF:18.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 73.2/56

All: 0.000+/-0.000 χ^2/NDF: 133.1/115

- sign -0.000+/-0.000 χ^2/NDF: 54.6/58



Right In: 0.000+/-0.000 χ^2/NDF: 10120306.1/31

Left Out: 0.000+/-0.000 χ^2/NDF:993542.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9027470.7/35

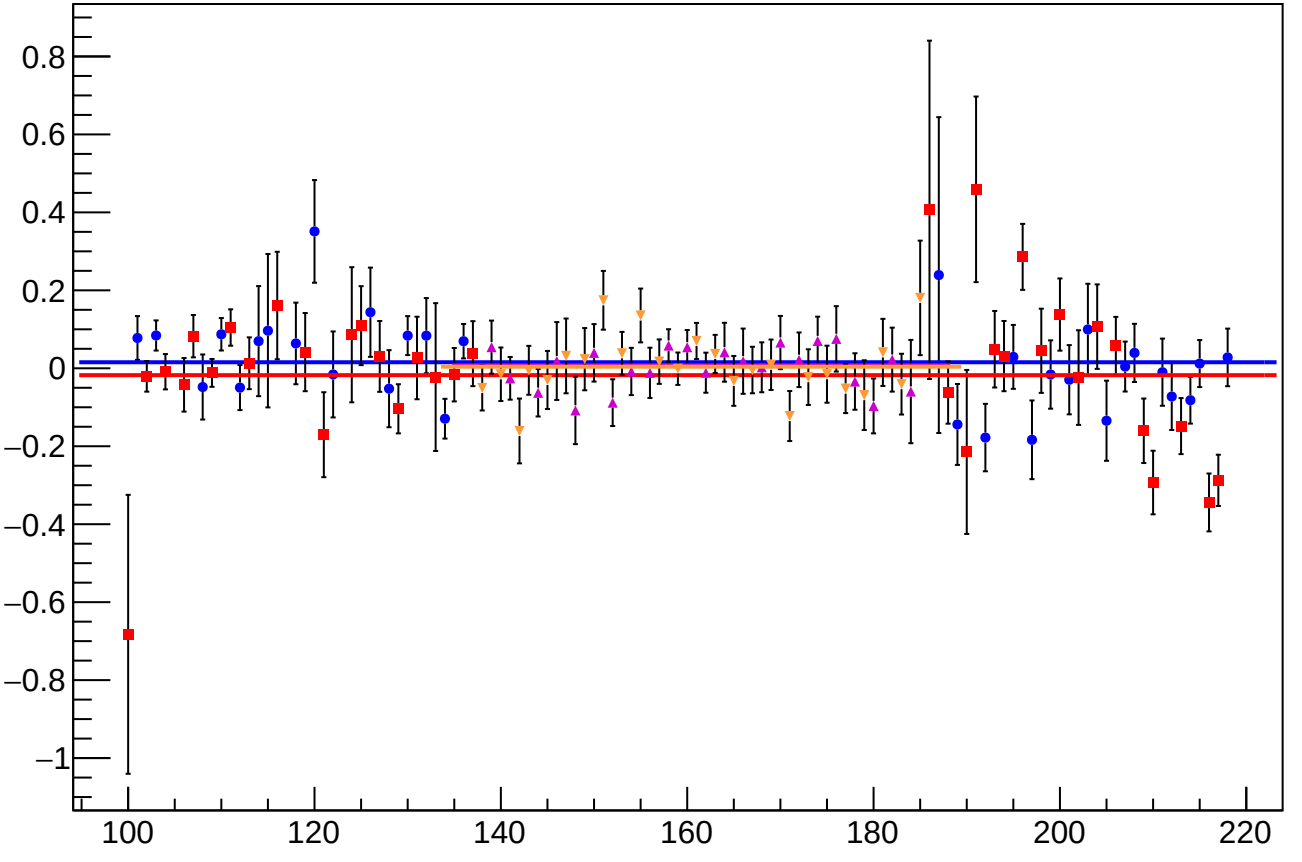
Left In: 0.000+/-0.000 χ^2/NDF:1048721.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 11487337.0/56

All: 0.000+/-0.000 χ^2/NDF: 22130130.4/115

- sign 0.000+/-0.000 χ^2/NDF: 10633977.7/58

asym_sam6_dit_vs_cor_diff_mean vs Slug



Right In: 0.015+/-0.013 χ^2/NDF: 48.5/31

Left Out: 0.004+/-0.013 χ^2/NDF:24.8/24

Right Out: -0.018+/-0.013 χ^2/NDF: 101.9/35

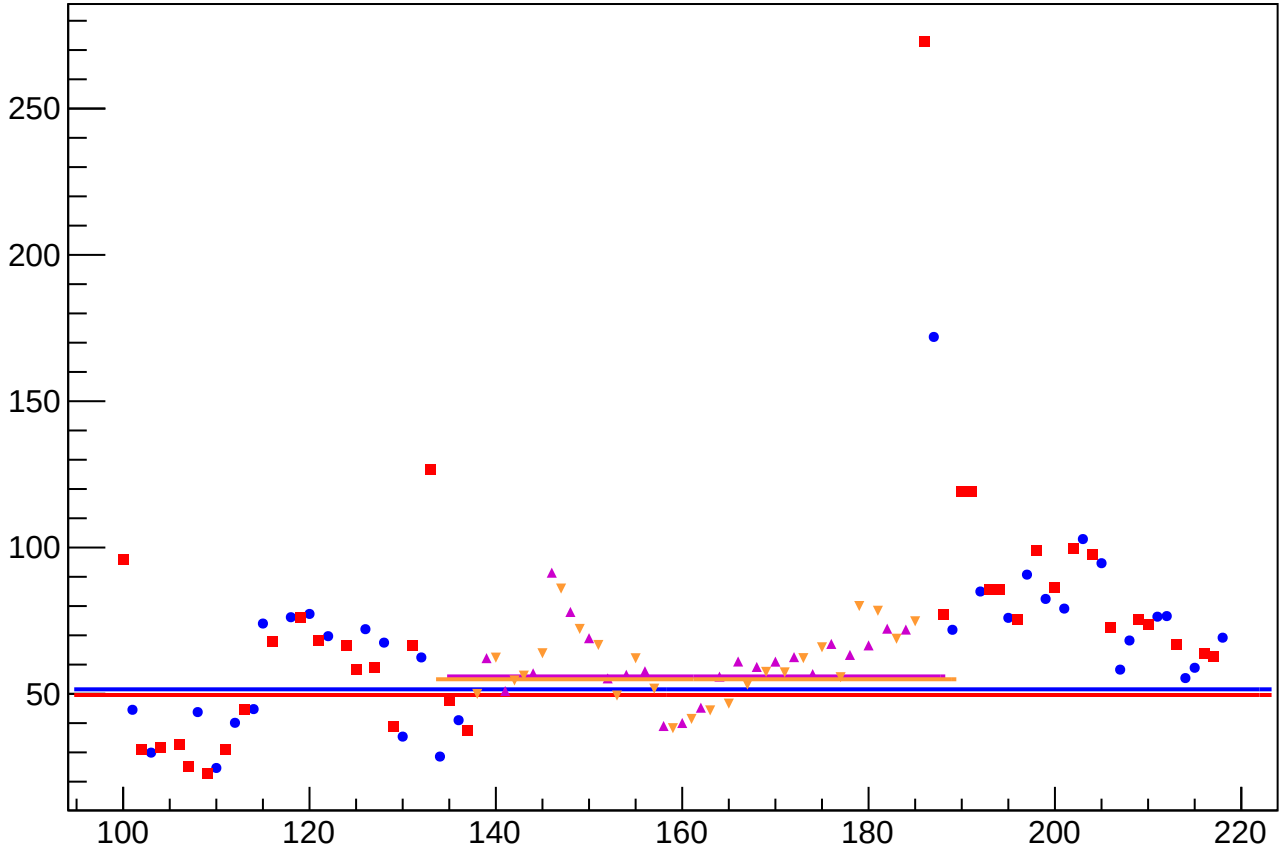
Left In: 0.007+/-0.014 χ^2/NDF:15.1/22

+ sign 0.010+/-0.009 χ^2/NDF: 73.7/56

All: 0.002+/-0.006 χ^2/NDF: 194.0/115

- sign -0.006+/-0.009 χ^2/NDF: 118.8/58

asym_sam6_dit_vs_cor_diff_rms vs Slug



Right In: 51.553+/-0.009 χ^2/NDF: 5547520.3/31

Left Out: 54.986+/-0.009 χ^2/NDF:1566844.0/24

Right Out: 49.612+/-0.009 χ^2/NDF: 7779513.2/35

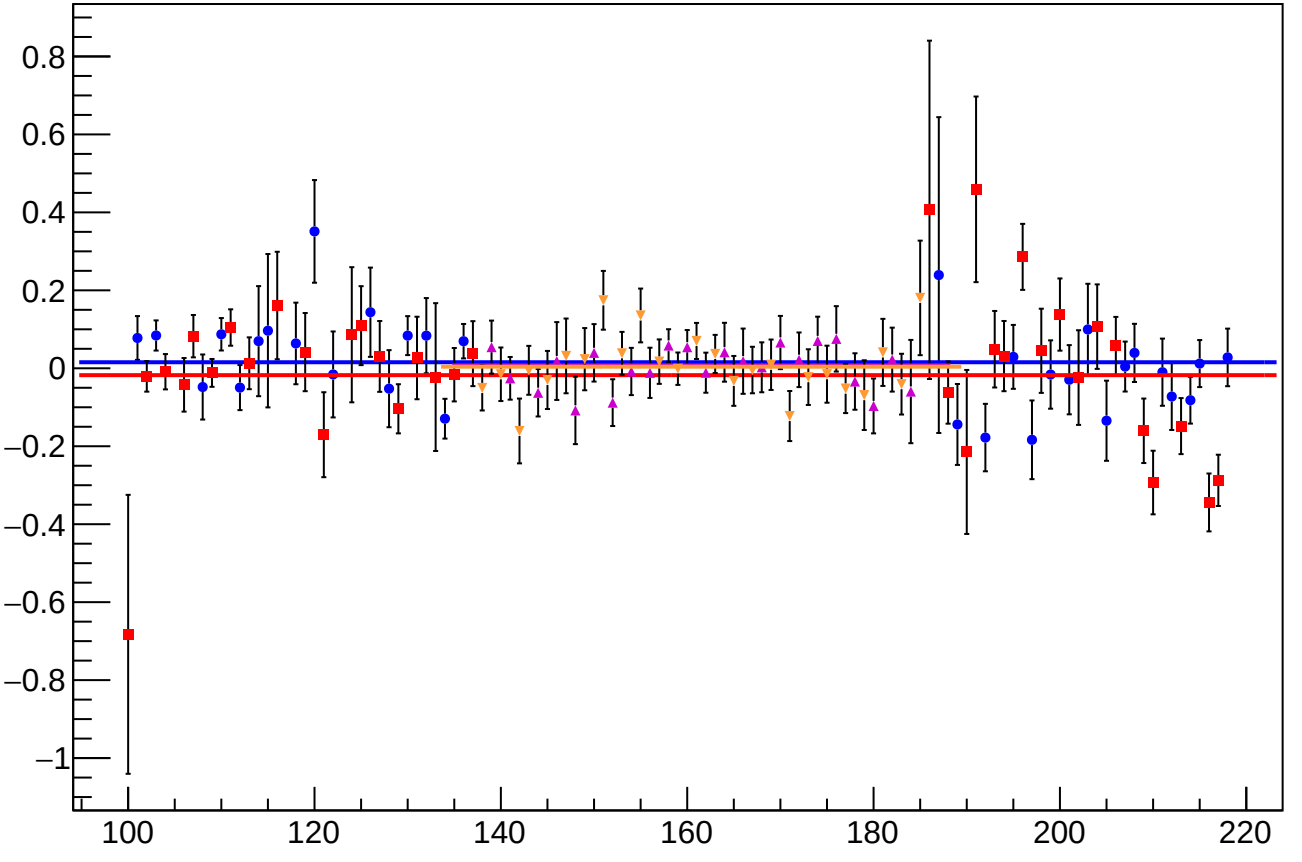
Left In: 55.956+/-0.010 χ^2/NDF:1406142.1/22

+ sign 53.232+/-0.006 χ^2/NDF: 7186161.7/56

All: 52.890+/-0.005 χ^2/NDF: 16614862.4/115

- sign 52.539+/-0.006 χ^2/NDF: 9422932.4/58

asym_sam6_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.015+/-0.013 χ^2/NDF: 48.5/31

Left Out: 0.004+/-0.013 χ^2/NDF:24.8/24

Right Out: -0.018+/-0.013 χ^2/NDF: 101.9/35

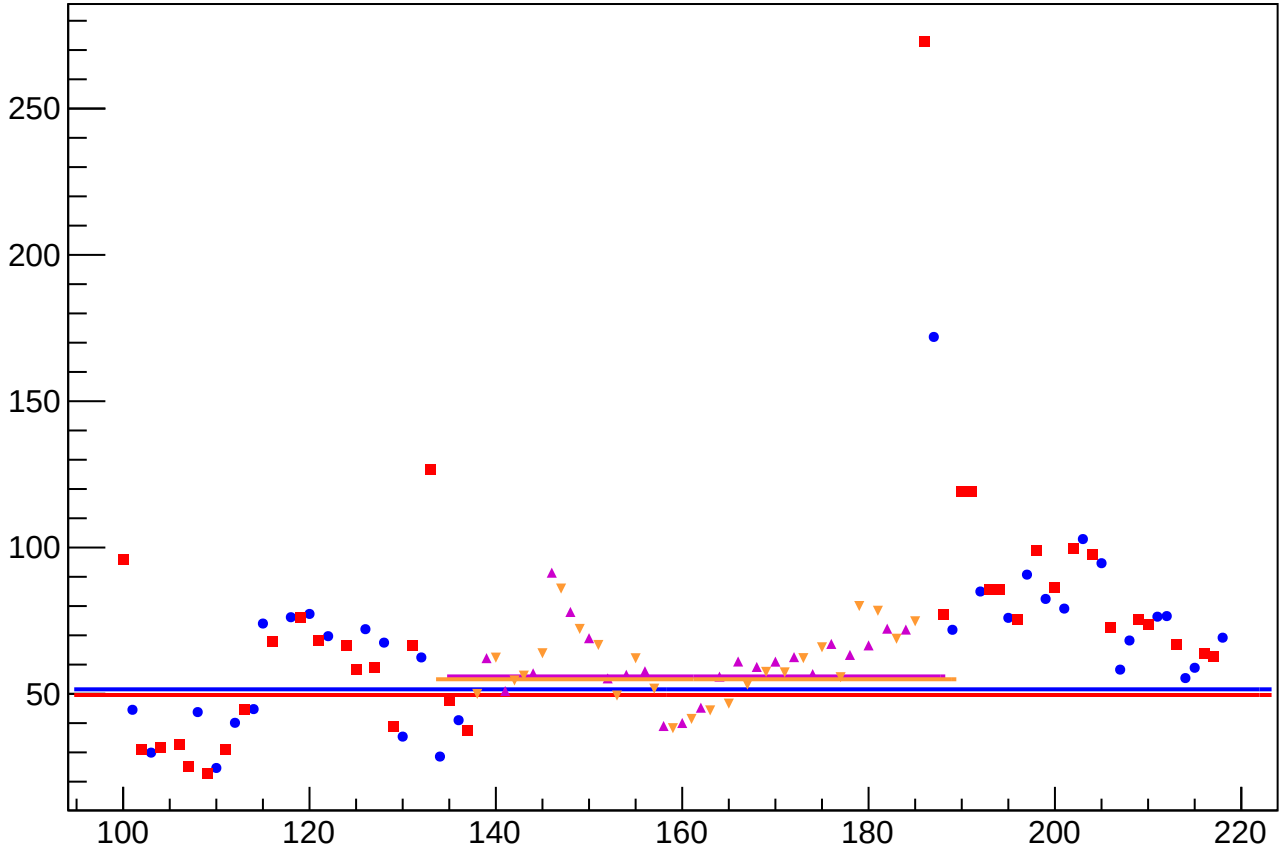
Left In: 0.007+/-0.014 χ^2/NDF:15.1/22

+ sign 0.010+/-0.009 χ^2/NDF: 73.7/56

All: 0.002+/-0.006 χ^2/NDF: 194.0/115

- sign -0.006+/-0.009 χ^2/NDF: 118.8/58

asym_sam6_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 51.553+/-0.009 χ^2/NDF: 5547520.3/31

Left Out: 54.986+/-0.009 χ^2/NDF:1566844.0/24

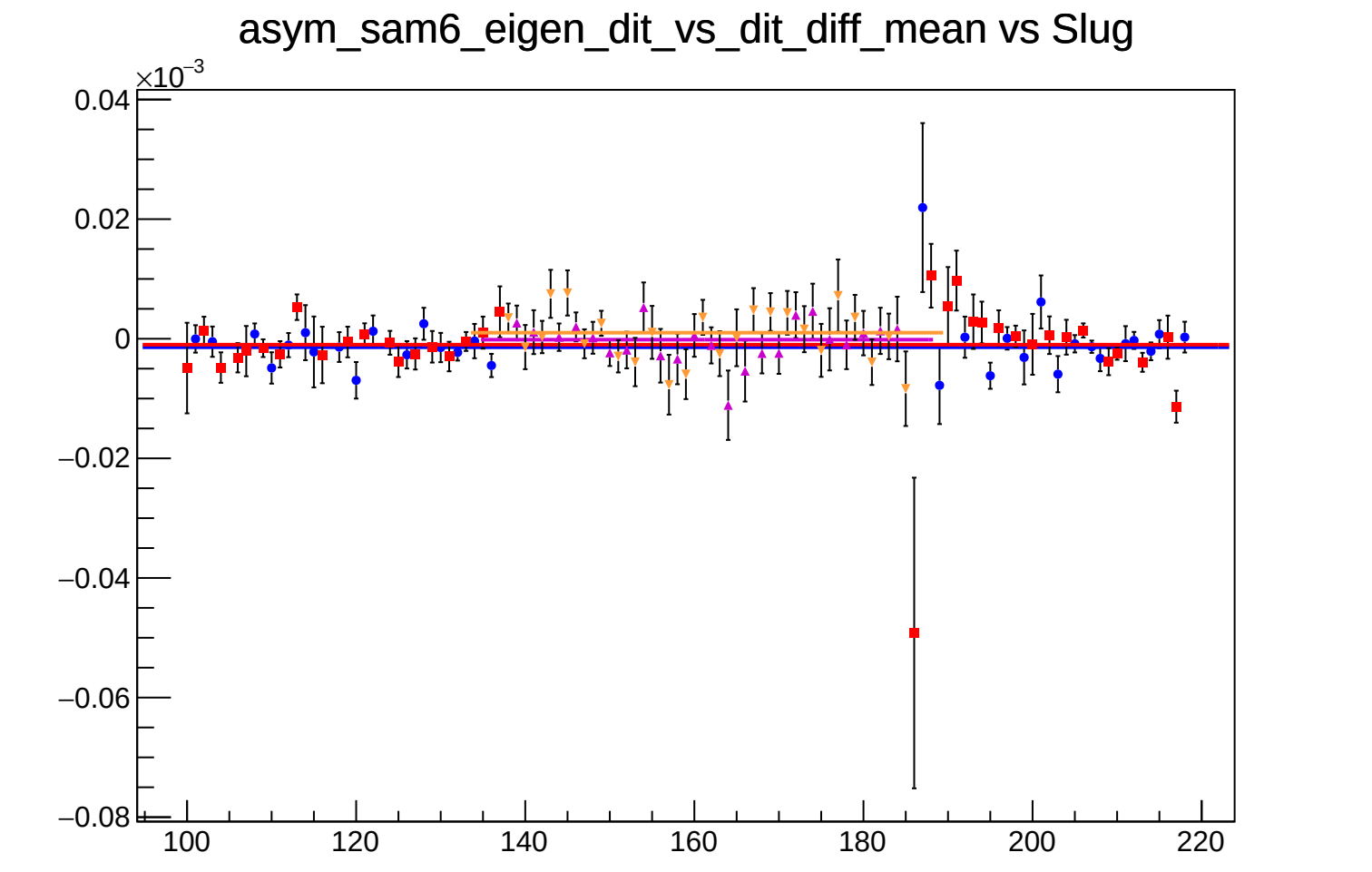
Right Out: 49.612+/-0.009 χ^2/NDF: 7779513.2/35

Left In: 55.956+/-0.010 χ^2/NDF:1406142.1/22

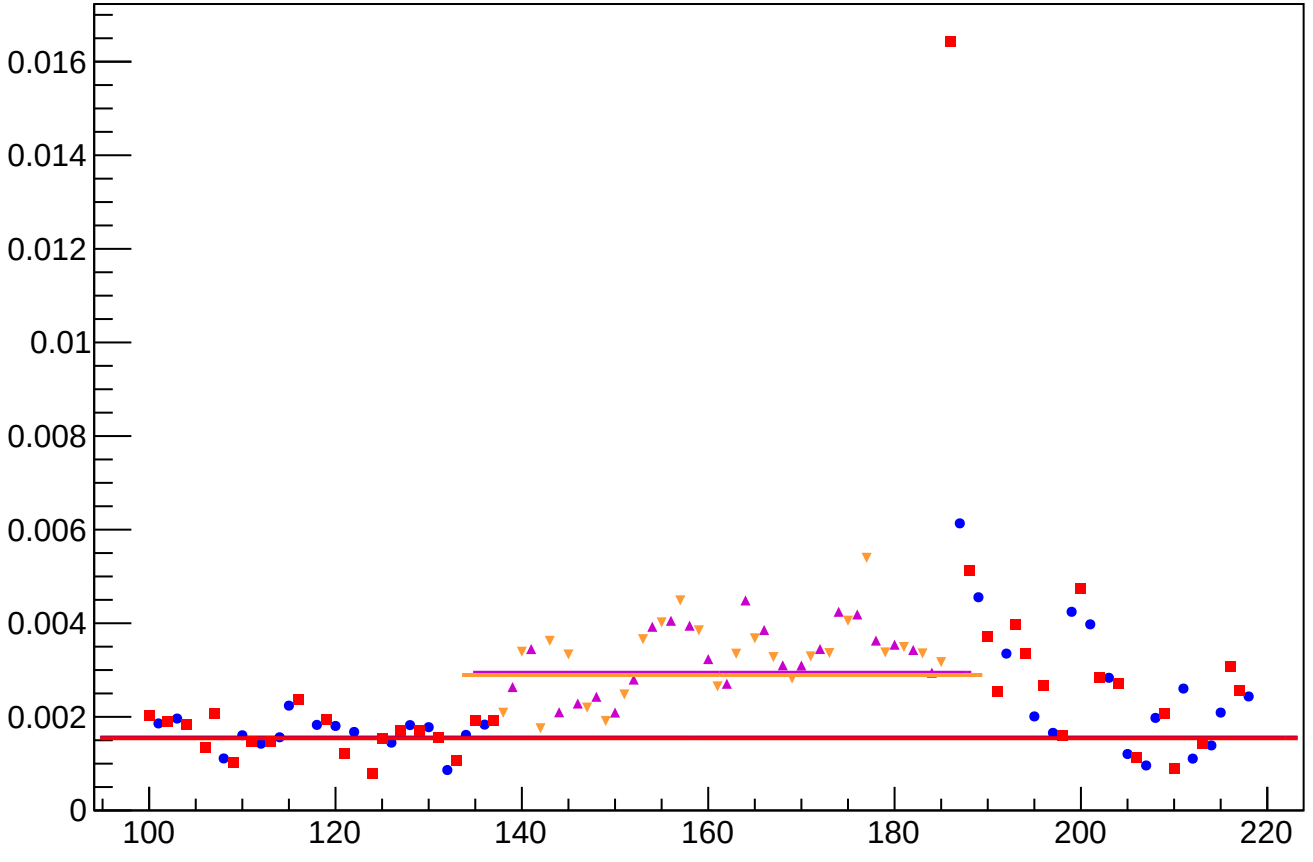
+ sign 53.232+/-0.006 χ^2/NDF: 7186161.7/56

All: 52.890+/-0.005 χ^2/NDF: 16614862.4/115

- sign 52.539+/-0.006 χ^2/NDF: 9422932.4/58


asym_sam6_eigen_dit_vs_dit_diff_mean vs Slug
×10⁻³
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
100
120
140
160
180
200
220
Right In: -0.000+/-0.000 χ²/NDF: 31.6/31
Left Out: 0.000+/-0.000 χ²/NDF:28.5/24
Right Out: -0.000+/-0.000 χ²/NDF: 63.2/35
Left In: -0.000+/-0.000 χ²/NDF:14.0/22
+ sign -0.000+/-0.000 χ²/NDF: 69.7/56
All: -0.000+/-0.000 χ²/NDF: 147.9/115
- sign -0.000+/-0.000 χ²/NDF: 78.3/58

asym_sam6_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 5504578.6/31

Left Out: 0.003+/-0.000 χ^2/NDF:2642911.8/24

Right Out: 0.002+/-0.000 χ^2/NDF: 7660797.5/35

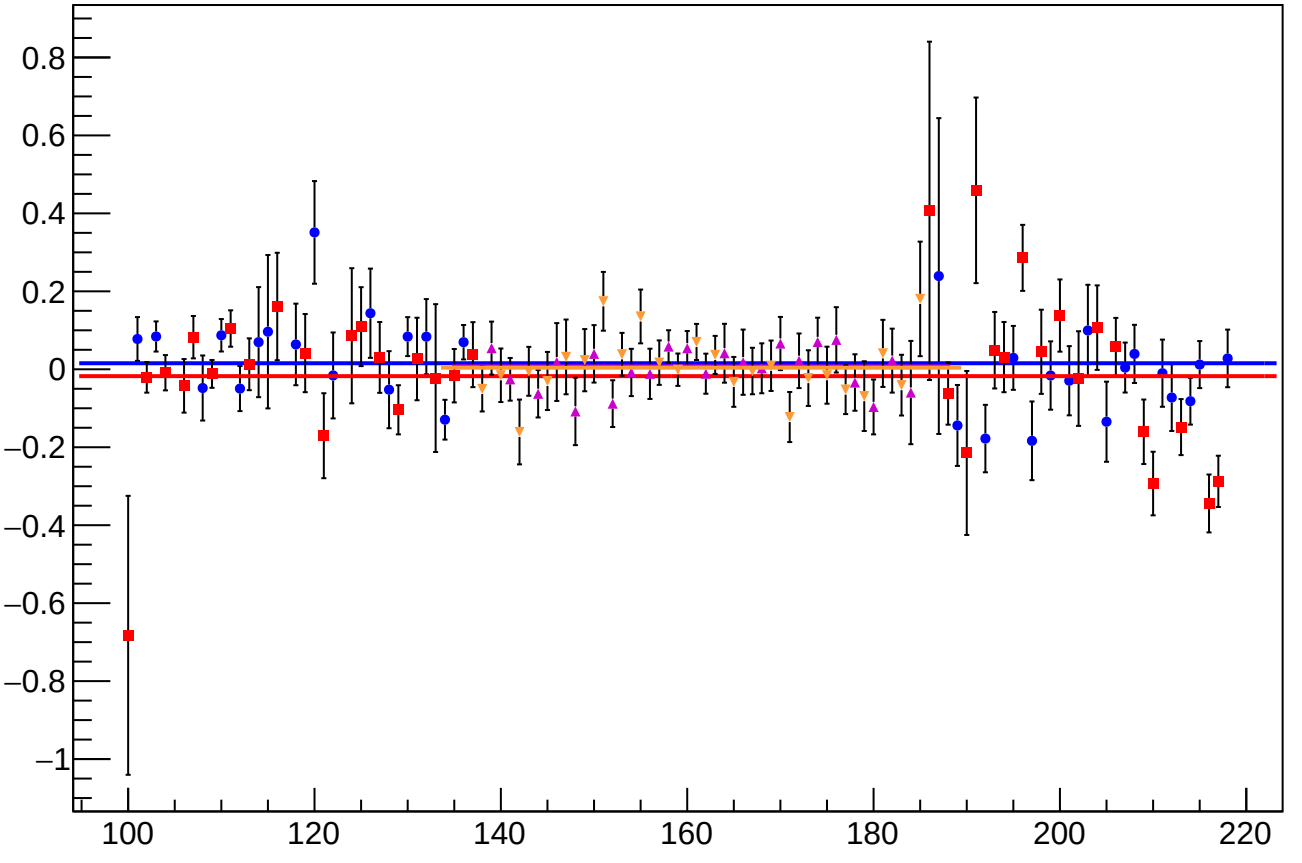
Left In: 0.003+/-0.000 χ^2/NDF:1890470.3/22

+ sign 0.002+/-0.000 χ^2/NDF: 13941250.2/56

All: 0.002+/-0.000 χ^2/NDF: 29511857.8/115

- sign 0.002+/-0.000 χ^2/NDF: 15568131.2/58

asym_sam6_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.015+/-0.013 χ^2/NDF: 48.5/31

Left Out: 0.004+/-0.013 χ^2/NDF:24.8/24

Right Out: -0.018+/-0.013 χ^2/NDF: 101.9/35

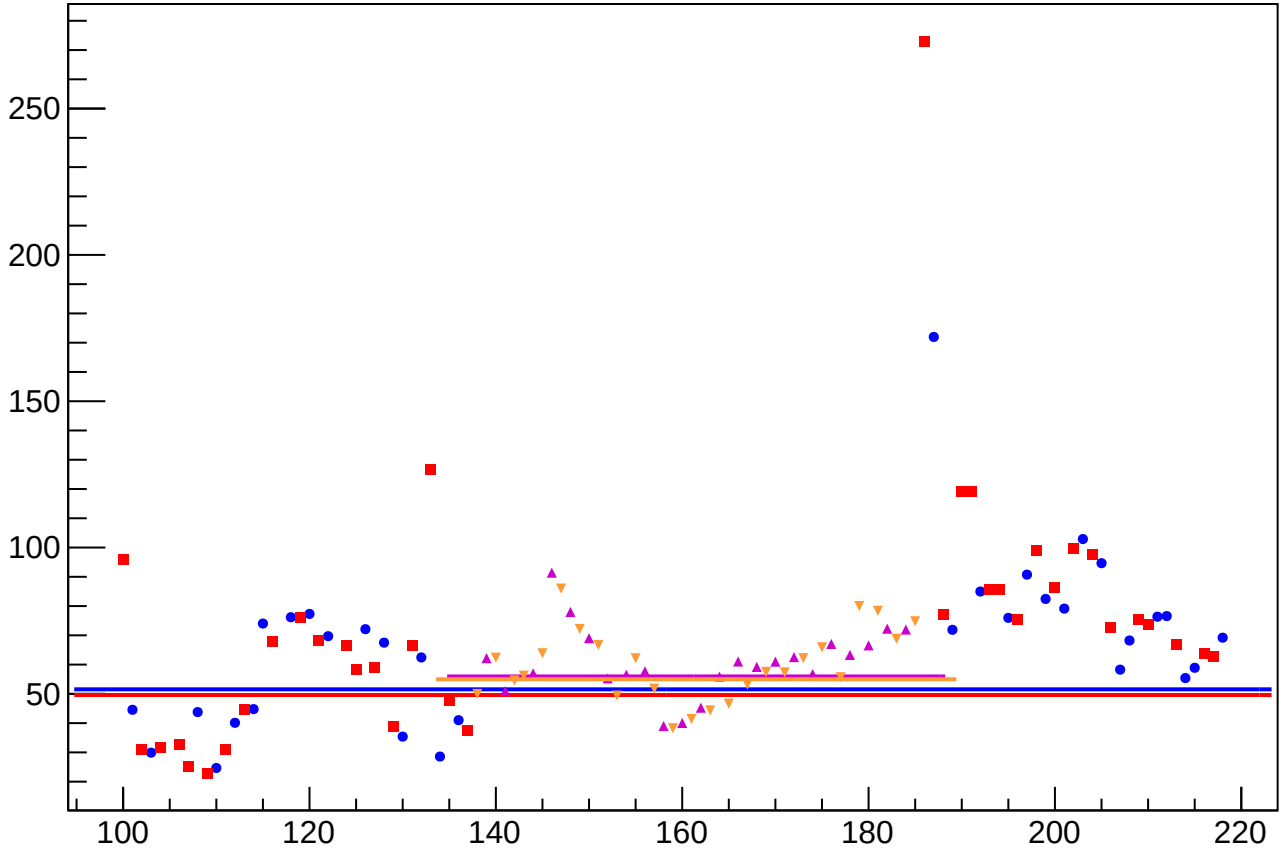
Left In: 0.007+/-0.014 χ^2/NDF:15.1/22

+ sign 0.010+/-0.009 χ^2/NDF: 73.7/56

All: 0.002+/-0.006 χ^2/NDF: 194.0/115

- sign -0.006+/-0.009 χ^2/NDF: 118.8/58

asym_sam6_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 51.552+/-0.009 χ^2/NDF: 5547672.2/31

Left Out: 54.985+/-0.009 χ^2/NDF:1566963.9/24

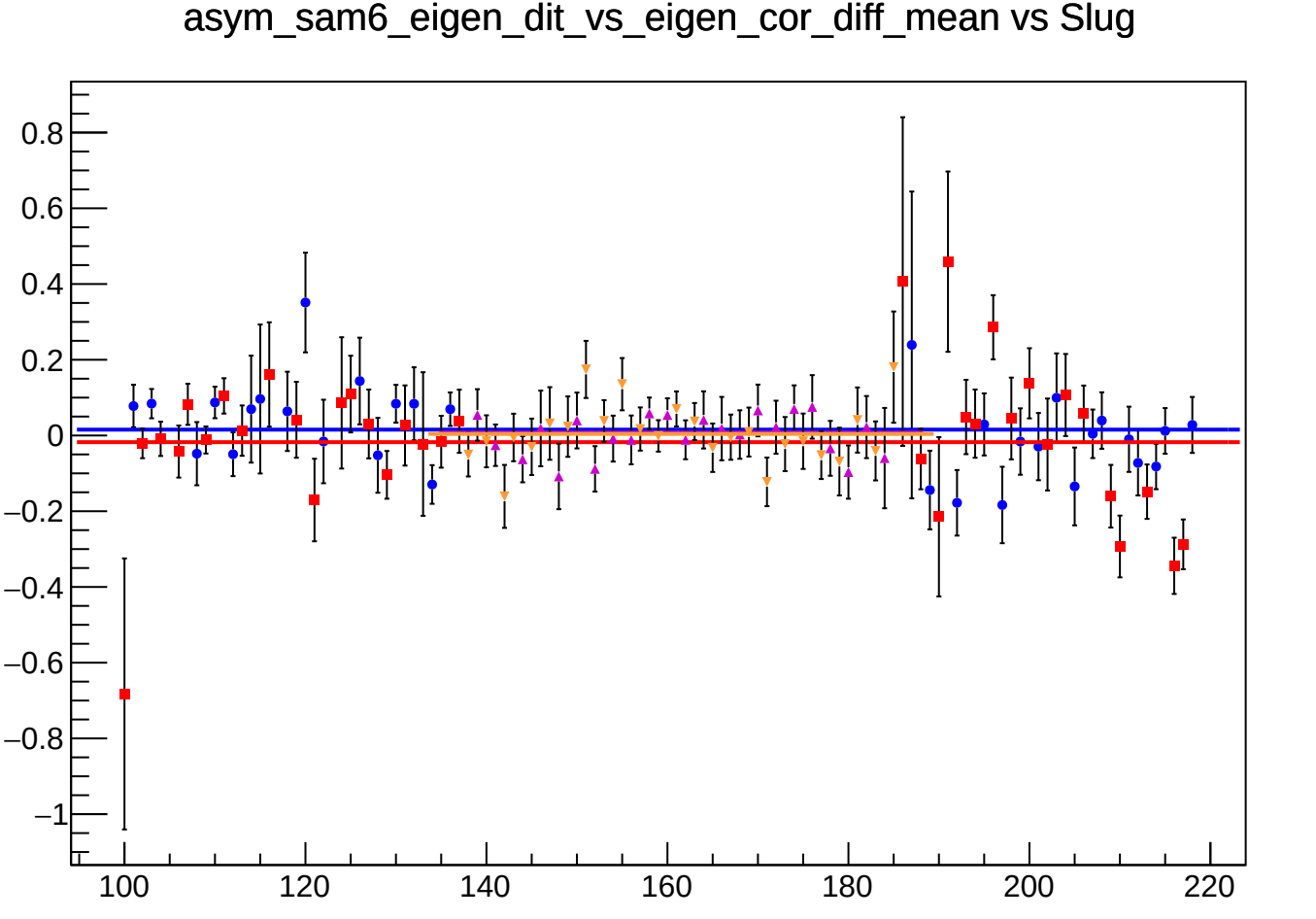
Right Out: 49.611+/-0.009 χ^2/NDF: 7779543.5/35

Left In: 55.955+/-0.010 χ^2/NDF:1406309.5/22

+ sign 53.231+/-0.006 χ^2/NDF: 7186417.1/56

All: 52.889+/-0.005 χ^2/NDF: 16615257.7/115

- sign 52.538+/-0.006 χ^2/NDF: 9423073.4/58



Right In: 0.015+/-0.013 χ^2/NDF: 48.5/31

Left Out: 0.004+/-0.013 χ^2/NDF:24.8/24

Right Out: -0.018+/-0.013 χ^2/NDF: 101.9/35

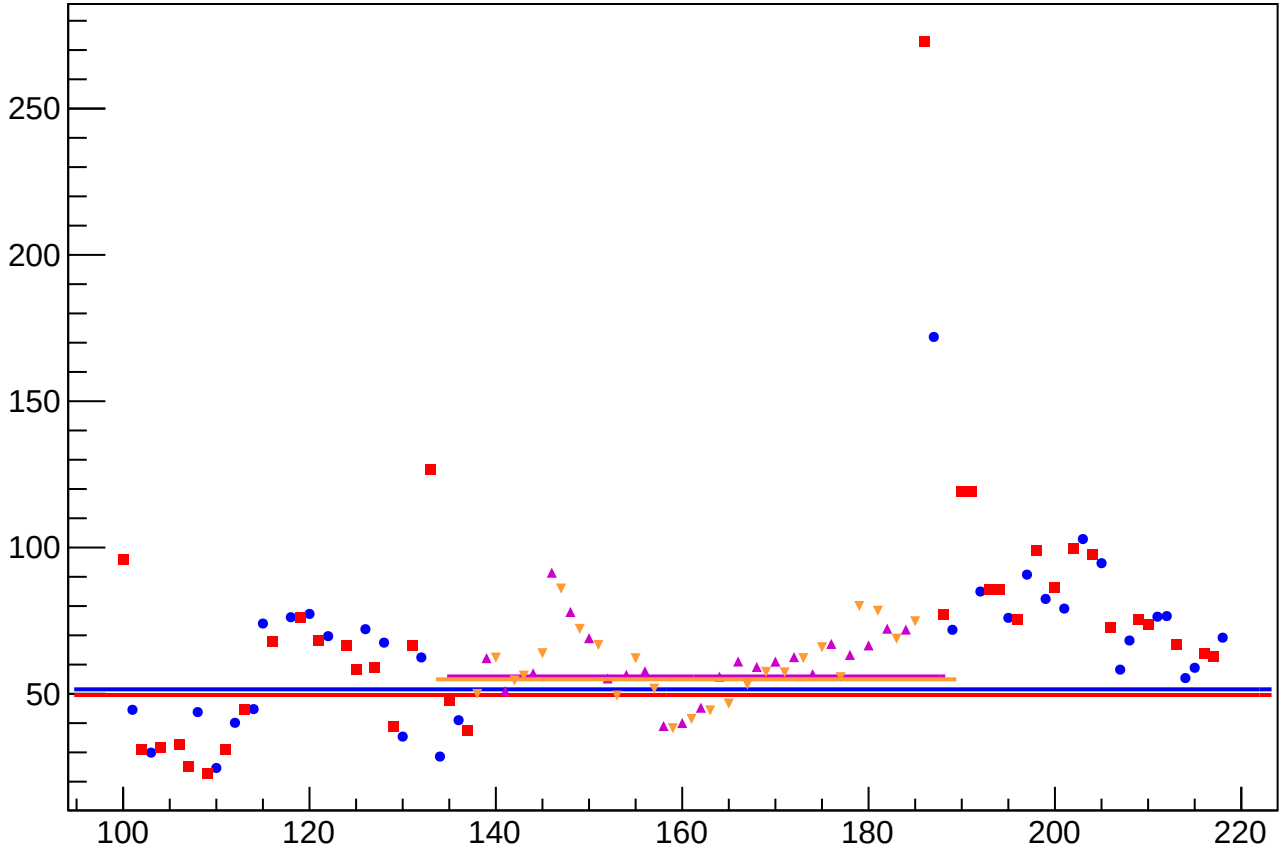
Left In: 0.007+/-0.014 χ^2/NDF:15.1/22

+ sign 0.010+/-0.009 χ^2/NDF: 73.7/56

All: 0.002+/-0.006 χ^2/NDF: 194.0/115

- sign -0.006+/-0.009 χ^2/NDF: 118.8/58

asym_sam6_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 51.552+/-0.009 χ^2/NDF: 5547672.2/31

Left Out: 54.985+/-0.009 χ^2/NDF:1566963.9/24

Right Out: 49.611+/-0.009 χ^2/NDF: 7779543.5/35

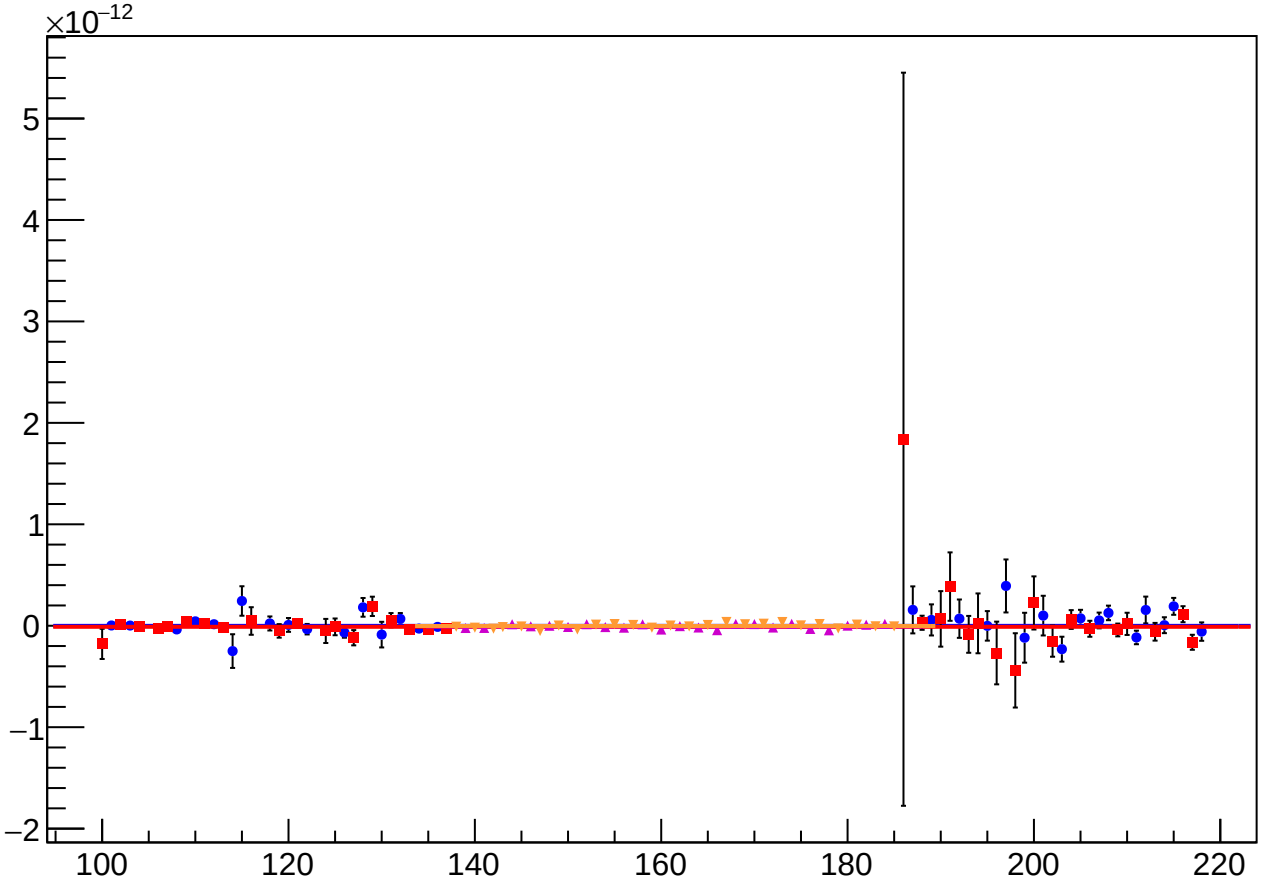
Left In: 55.955+/-0.010 χ^2/NDF:1406309.5/22

+ sign 53.231+/-0.006 χ^2/NDF: 7186417.1/56

All: 52.889+/-0.005 χ^2/NDF: 16615257.7/115

- sign 52.538+/-0.006 χ^2/NDF: 9423073.4/58

asym_sam6_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 38.1/31

Left Out: -0.000+/-0.000 χ^2/NDF:19.3/24

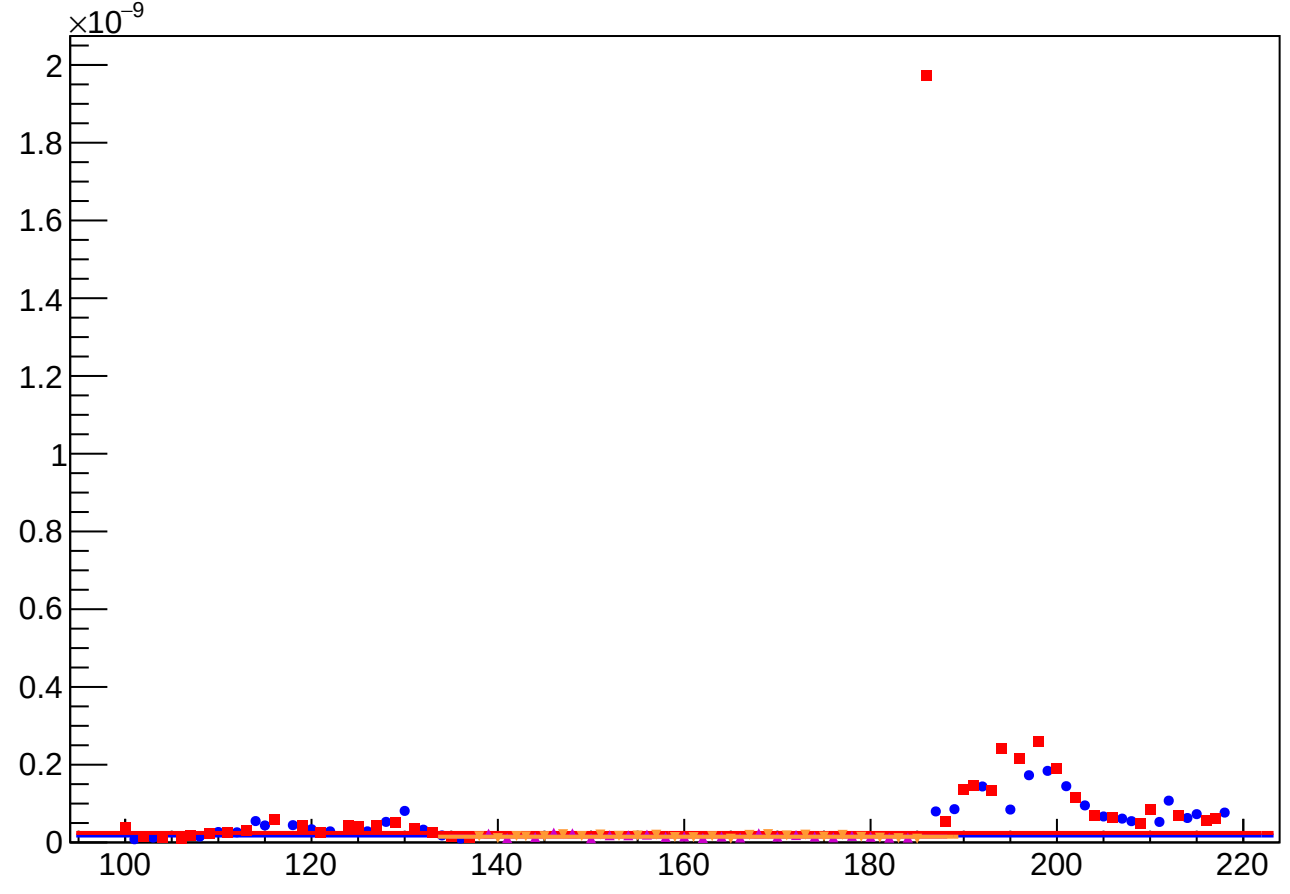
Right Out: -0.000+/-0.000 χ^2/NDF: 29.7/35

Left In: -0.000+/-0.000 χ^2/NDF:21.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 57.5/56

All: -0.000+/-0.000 χ^2/NDF: 110.3/115

- sign -0.000+/-0.000 χ^2/NDF: 51.8/58



Right In: 0.000+/-0.000 χ^2/NDF: 14668712.6/31

Left Out: 0.000+/-0.000 χ^2/NDF:1401850.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 12515763.4/35

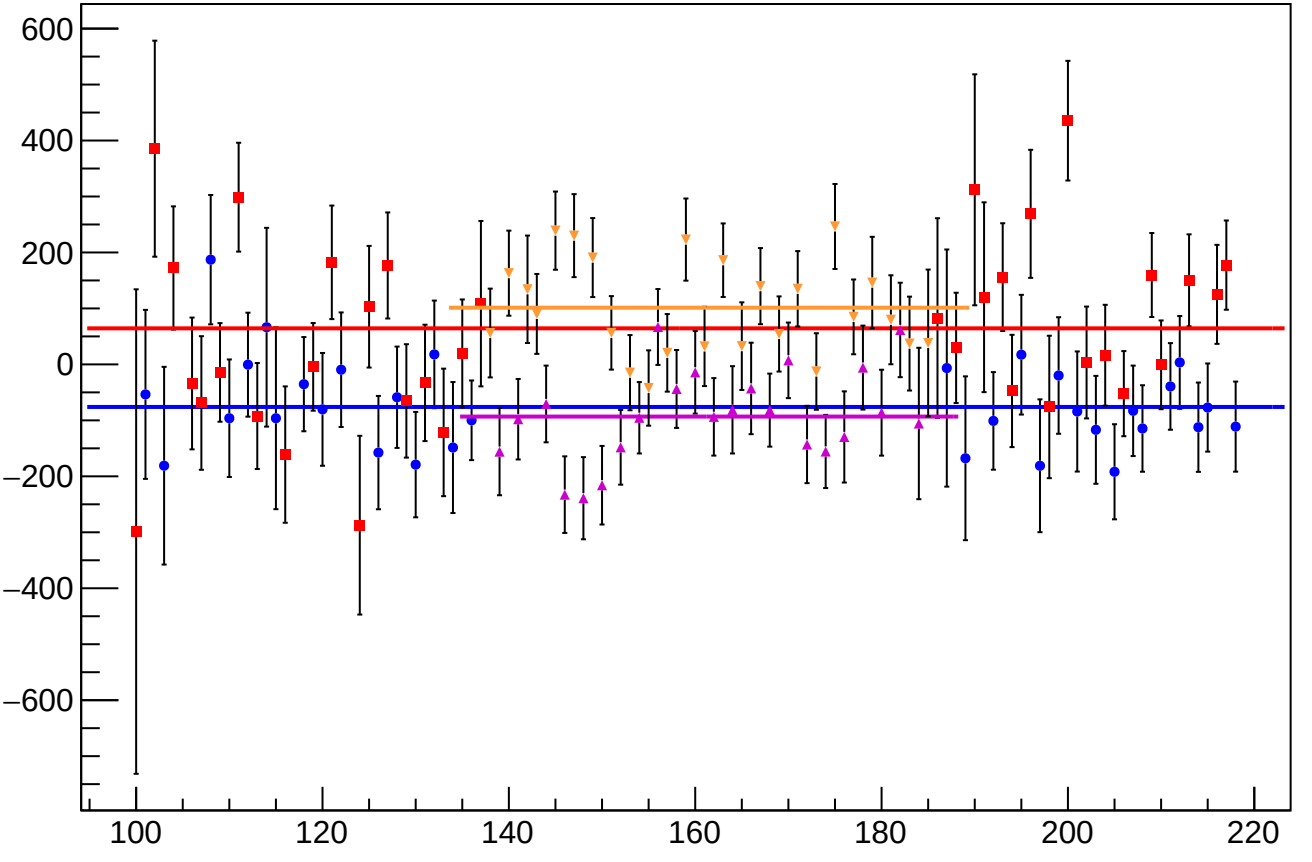
Left In: 0.000+/-0.000 χ^2/NDF:1427121.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 16351472.3/56

All: 0.000+/-0.000 χ^2/NDF: 32384363.5/115

- sign 0.000+/-0.000 χ^2/NDF: 15915826.7/58

reg_asym_sam7_mean vs Slug



Right In: -76.036+/-17.243 χ^2/NDF: 17.2/31

Left Out: 101.325+/-14.642 χ^2/NDF:33.9/24

Right Out: 64.430+/-17.204 χ^2/NDF: 62.3/35

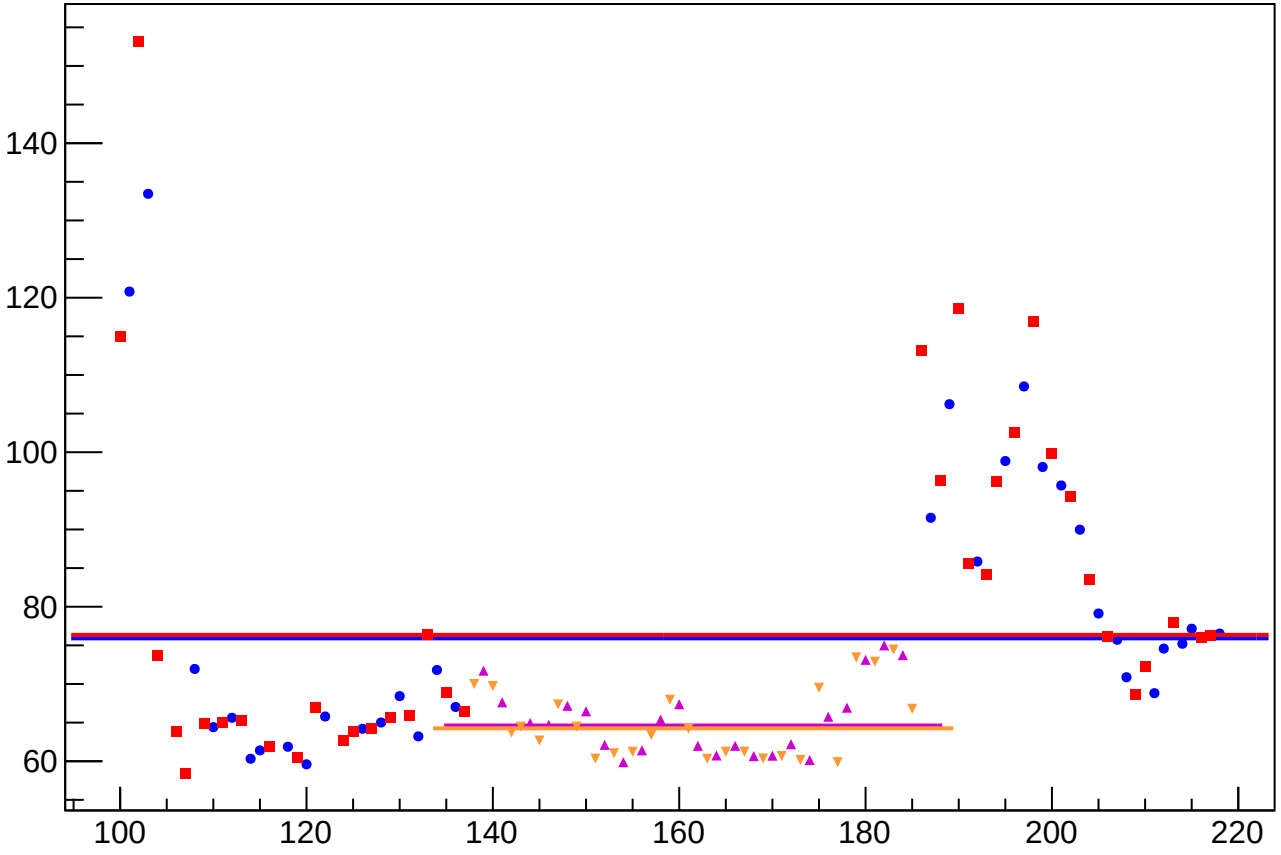
Left In: -93.236+/-15.137 χ^2/NDF:28.8/22

\+ sign 27.020+/-11.161 χ^2/NDF: 112.5/56

All: 1.753+/-7.963 χ^2/NDF: 261.5/115

\- sign -24.443+/-11.364 χ^2/NDF: 138.5/58

reg_asym_sam7_rms vs Slug



Right In: 75.906+/-0.012 χ^2/NDF: 1332021.3/31

Left Out: 64.256+/-0.010 χ^2/NDF:177697.9/24

Right Out: 76.360+/-0.012 χ^2/NDF: 1611886.1/35

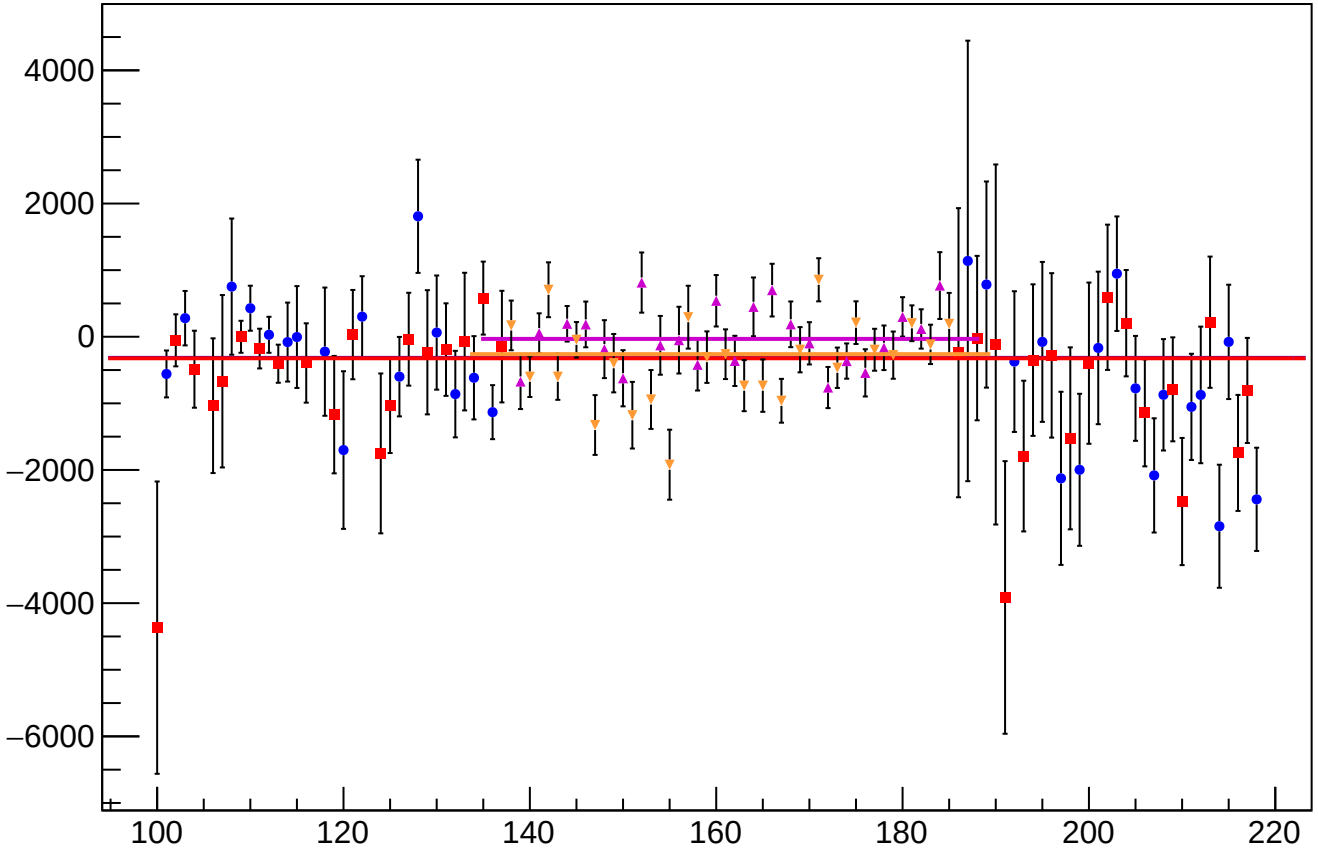
Left In: 64.621+/-0.011 χ^2/NDF:147201.3/22

+ sign 69.137+/-0.008 χ^2/NDF: 2040261.0/56

All: 69.434+/-0.006 χ^2/NDF: 4327090.5/115

- sign 69.743+/-0.008 χ^2/NDF: 2283930.7/58

asym_sam7_reg_correction_mean vs Slug



Right In: -317.614+/-111.958 χ^2/NDF: 52.9/31

Left Out: -261.124+/-71.268 χ^2/NDF:58.8/24

Right Out: -323.115+/-106.959 χ^2/NDF: 29.9/35

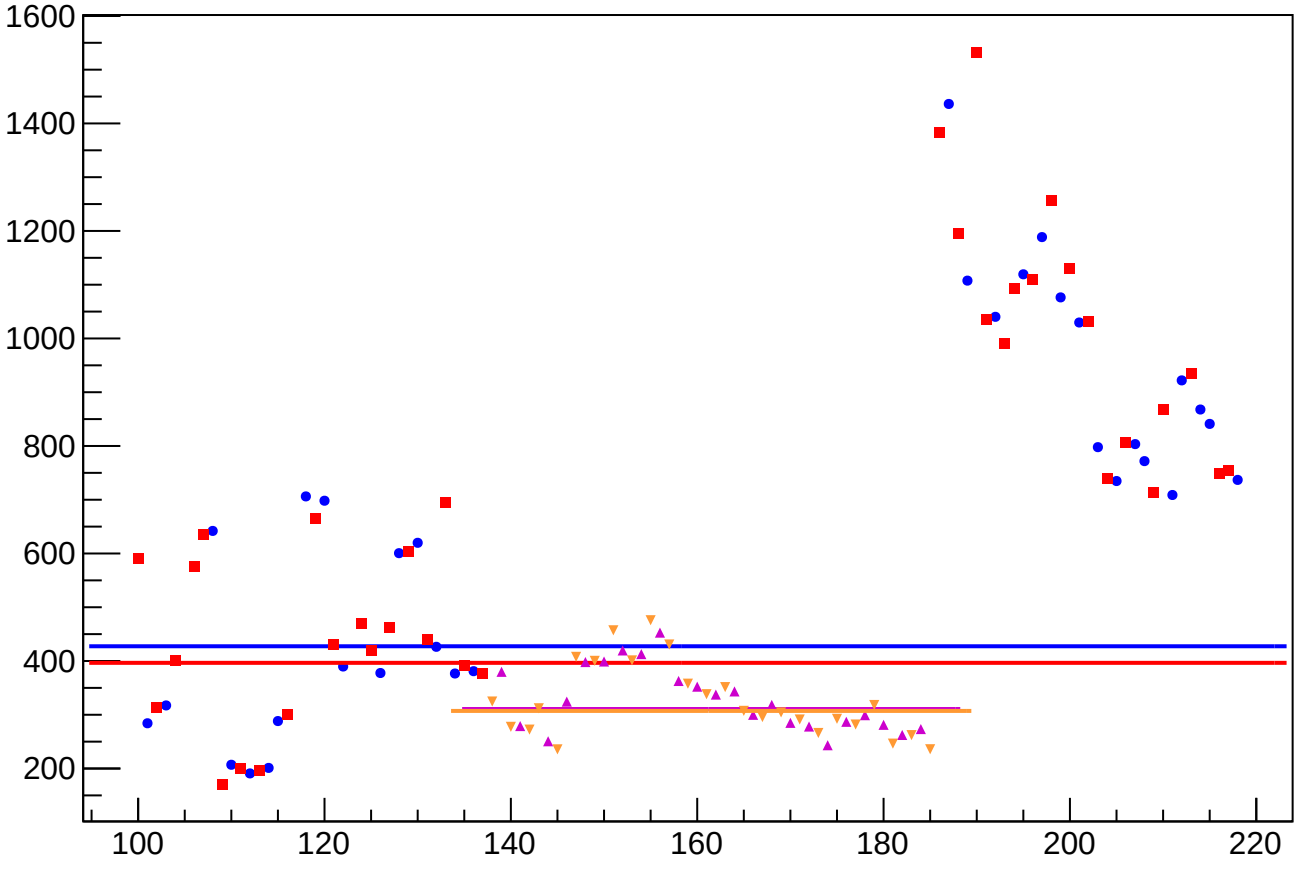
Left In: -32.423+/-73.837 χ^2/NDF:31.7/22

+ sign -277.413+/-60.121 χ^2/NDF: 111.8/56

All: -202.633+/-42.738 χ^2/NDF: 181.6/115

- sign -126.243+/-60.765 χ^2/NDF: 66.6/58

asym_sam7_reg_correction_rms vs Slug



Right In: 427.420+/-0.079 χ^2/NDF: 10970181.5/31

Left Out: 307.143+/-0.050 χ^2/NDF:1320151.2/24

Right Out: 396.584+/-0.076 χ^2/NDF: 13424177.1/35

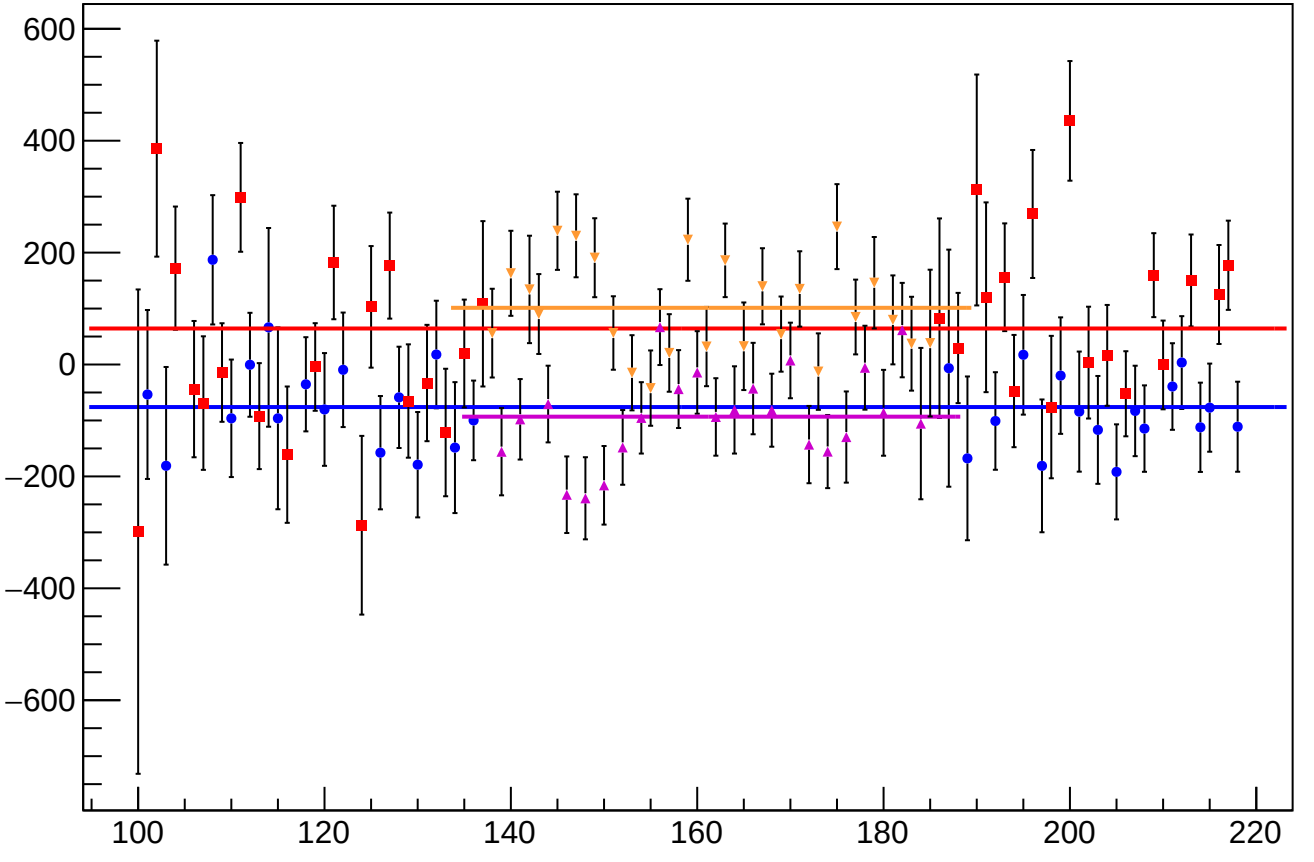
Left In: 310.697+/-0.052 χ^2/NDF:1079476.2/22

+ sign 341.827+/-0.043 χ^2/NDF: 13932958.0/56

All: 340.140+/-0.030 χ^2/NDF: 29313158.4/11

- sign 338.417+/-0.043 χ^2/NDF: 15377018.9/58

cor_asym_sam7_mean vs Slug



Right In: -76.039+/-17.243 χ^2/NDF: 17.2/31

Left Out: 101.325+/-14.642 χ^2/NDF:33.9/24

Right Out: 64.369+/-17.216 χ^2/NDF: 62.4/35

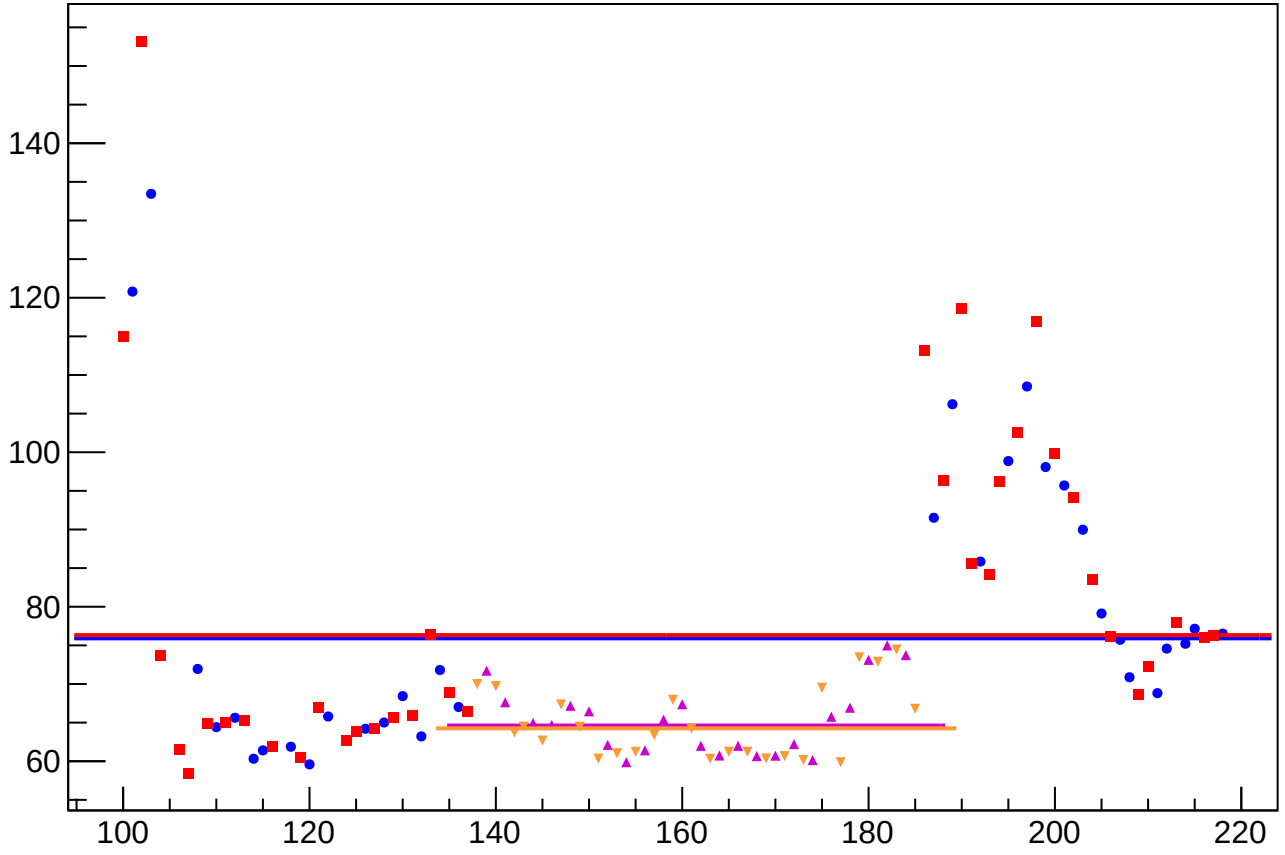
Left In: -93.235+/-15.137 χ^2/NDF:28.8/22

\+ sign 27.019+/-11.161 χ^2/NDF: 112.5/56

All: 1.721+/-7.964 χ^2/NDF: 261.5/115

\- sign -24.523+/-11.368 χ^2/NDF: 138.5/58

cor_asym_sam7_rms vs Slug



Right In: 75.906+/-0.012 χ^2/NDF: 1332021.7/31

Left Out: 64.256+/-0.010 χ^2/NDF:177697.9/24

Right Out: 76.330+/-0.012 χ^2/NDF: 1619109.5/35

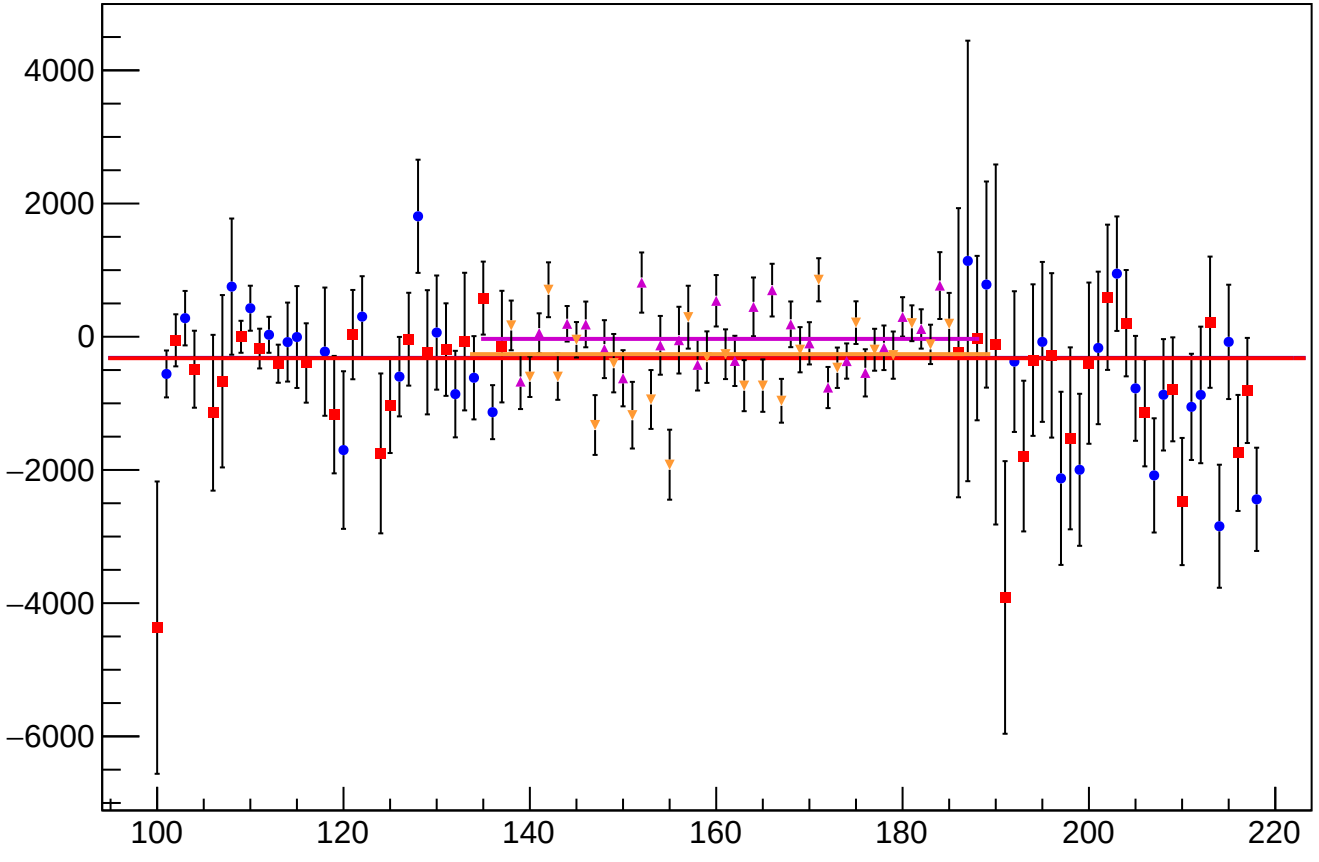
Left In: 64.621+/-0.011 χ^2/NDF:147201.3/22

+ sign 69.137+/-0.008 χ^2/NDF: 2040261.4/56

All: 69.426+/-0.006 χ^2/NDF: 4331089.2/115

- sign 69.726+/-0.008 χ^2/NDF: 2288090.1/58

asym_sam7_cor_correction_mean vs Slug



Right In: -317.613+/-111.959 χ^2/NDF: 52.9/31

Left Out: -261.124+/-71.268 χ^2/NDF:58.8/24

Right Out: -322.002+/-107.114 χ^2/NDF: 29.8/35

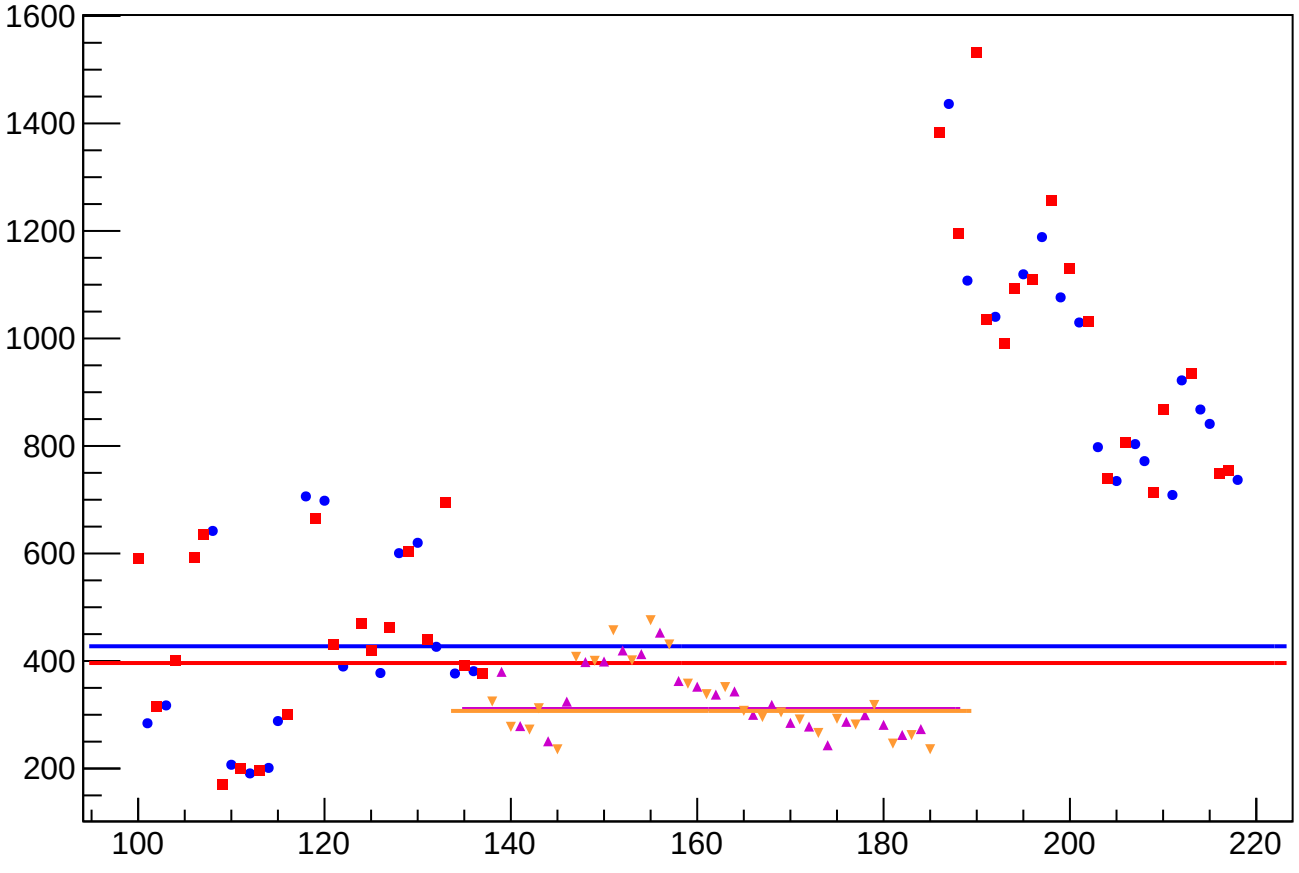
Left In: -32.420+/-73.837 χ^2/NDF:31.7/22

+ sign -277.413+/-60.121 χ^2/NDF: 111.8/56

All: -202.399+/-42.748 χ^2/NDF: 181.5/115

- sign -125.699+/-60.793 χ^2/NDF: 66.5/58

asym_sam7_cor_correction_rms vs Slug



Right In: 427.422+/-0.079 χ^2/NDF: 10970105.5/31

Left Out: 307.143+/-0.050 χ^2/NDF:1320147.4/24

Right Out: 396.246+/-0.076 χ^2/NDF: 13417841.6/35

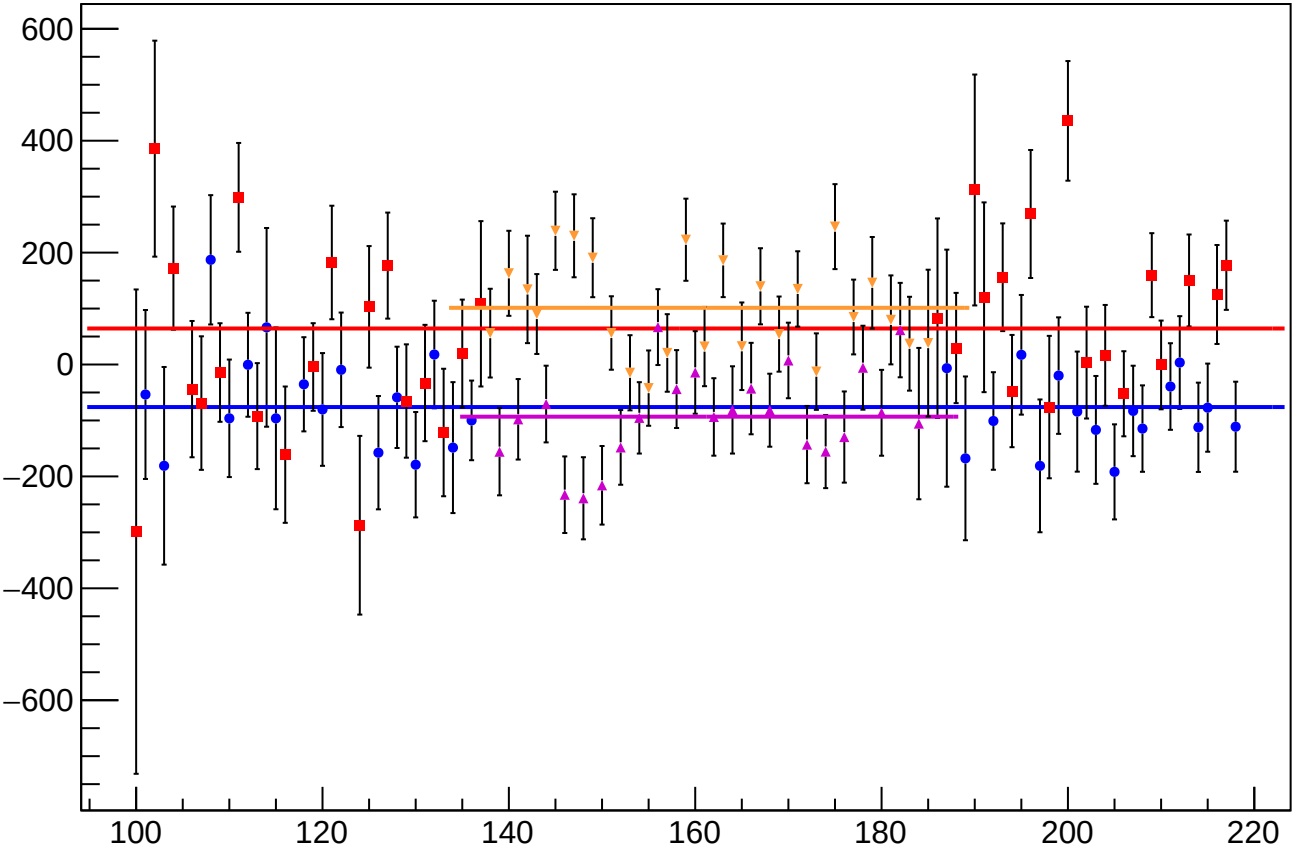
Left In: 310.698+/-0.052 χ^2/NDF:1079479.8/22

+ sign 341.827+/-0.043 χ^2/NDF: 13932942.9/56

All: 340.060+/-0.030 χ^2/NDF: 29298554.3/11

- sign 338.254+/-0.043 χ^2/NDF: 15362118.8/58

eigen_cor_asym_sam7_mean vs Slug



Right In: -76.039+/-17.243 χ^2/NDF: 17.2/31

Left Out: 101.325+/-14.642 χ^2/NDF:33.9/24

Right Out: 64.369+/-17.216 χ^2/NDF: 62.4/35

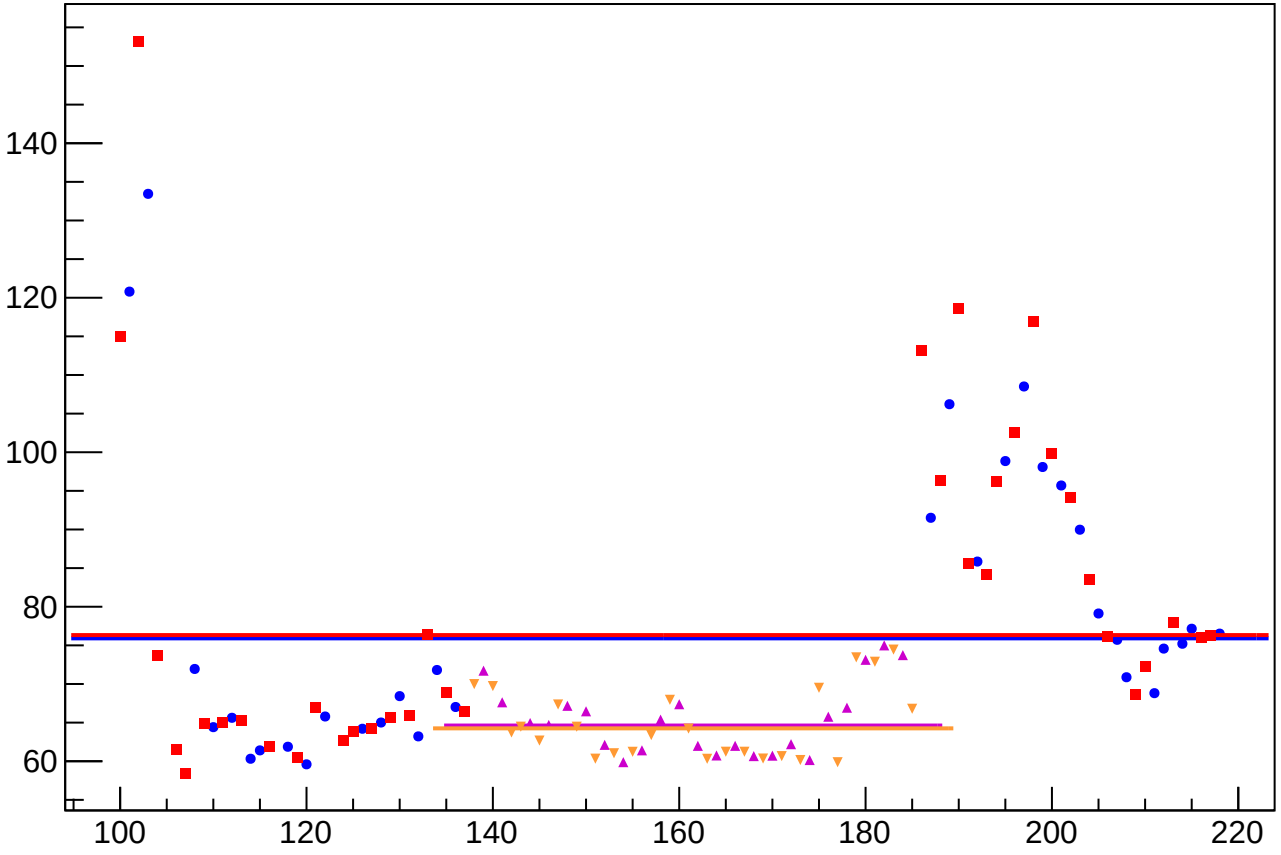
Left In: -93.235+/-15.137 χ^2/NDF:28.8/22

+ sign 27.019+/-11.161 χ^2/NDF: 112.5/56

All: 1.721+/-7.964 χ^2/NDF: 261.5/115

- sign -24.523+/-11.368 χ^2/NDF: 138.5/58

eigen_cor_asym_sam7_rms vs Slug



Right In: 75.906+/-0.012 χ^2/NDF: 1332021.7/31

Left Out: 64.256+/-0.010 χ^2/NDF:177697.9/24

Right Out: 76.330+/-0.012 χ^2/NDF: 1619109.5/35

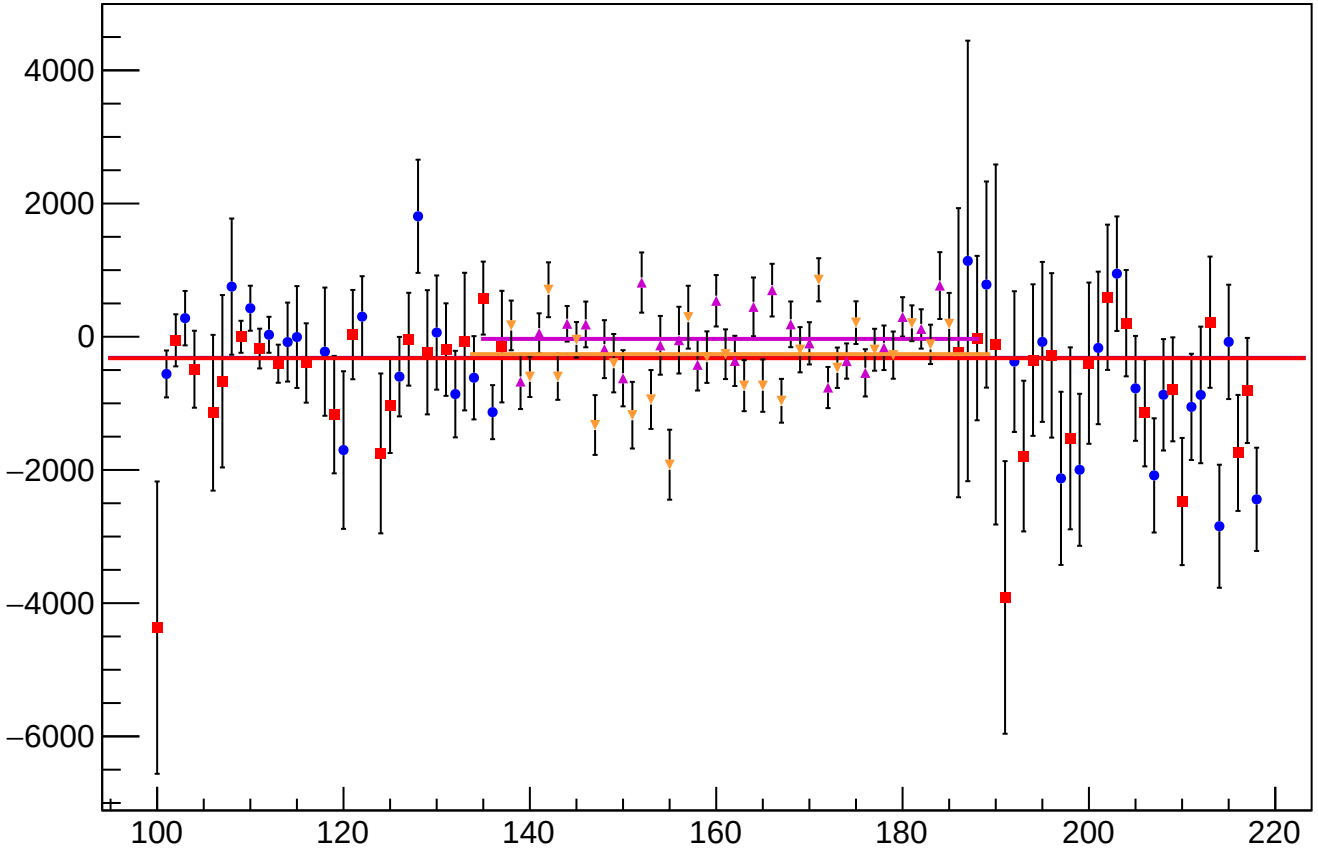
Left In: 64.621+/-0.011 χ^2/NDF:147201.3/22

+ sign 69.137+/-0.008 χ^2/NDF: 2040261.4/56

All: 69.426+/-0.006 χ^2/NDF: 4331089.2/115

- sign 69.726+/-0.008 χ^2/NDF: 2288090.1/58

asym_sam7_eigen_cor_correction_mean vs Slug



Right In: -317.613+/-111.959 χ^2/NDF: 52.9/31

Left Out: -261.124+/-71.268 χ^2/NDF:58.8/24

Right Out: -322.002+/-107.114 χ^2/NDF: 29.8/35

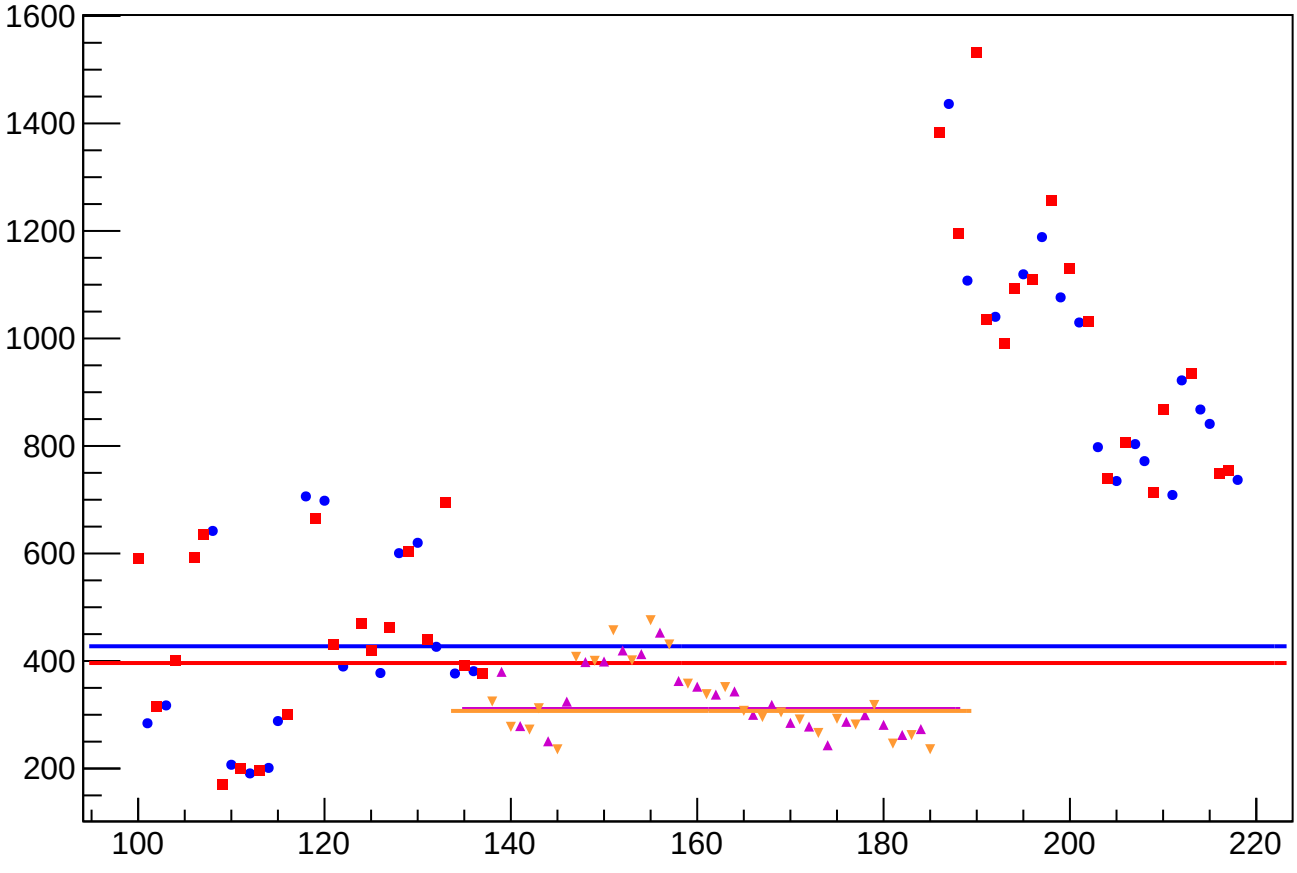
Left In: -32.420+/-73.837 χ^2/NDF:31.7/22

+ sign -277.413+/-60.121 χ^2/NDF: 111.8/56

All: -202.399+/-42.748 χ^2/NDF: 181.5/115

- sign -125.699+/-60.793 χ^2/NDF: 66.5/58

asym_sam7_eigen_cor_correction_rms vs Slug



Right In: 427.422+/-0.079 χ^2/NDF: 10970105.5/31

Left Out: 307.143+/-0.050 χ^2/NDF:1320147.4/24

Right Out: 396.246+/-0.076 χ^2/NDF: 13417841.6/35

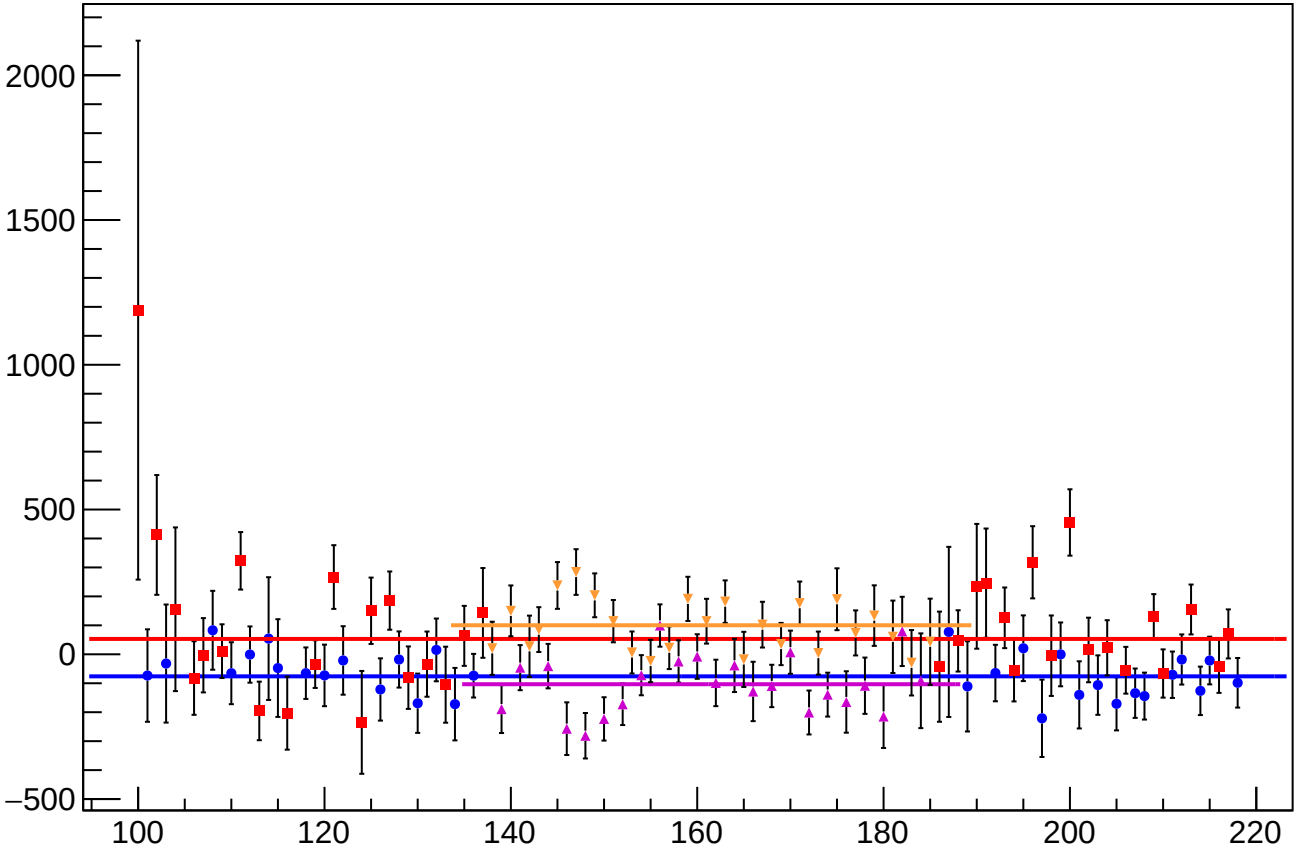
Left In: 310.698+/-0.052 χ^2/NDF:1079479.8/22

\+ sign 341.827+/-0.043 χ^2/NDF: 13932942.9/56

All: 340.060+/-0.030 χ^2/NDF: 29298554.3/11

\- sign 338.254+/-0.043 χ^2/NDF: 15362118.8/58

dit_asym_sam7_mean vs Slug



Right In: -76.149+/-18.459 χ^2/NDF: 12.0/31

Left Out: 100.277+/-16.625 χ^2/NDF:27.7/24

Right Out: 53.094+/-18.522 χ^2/NDF: 65.7/35

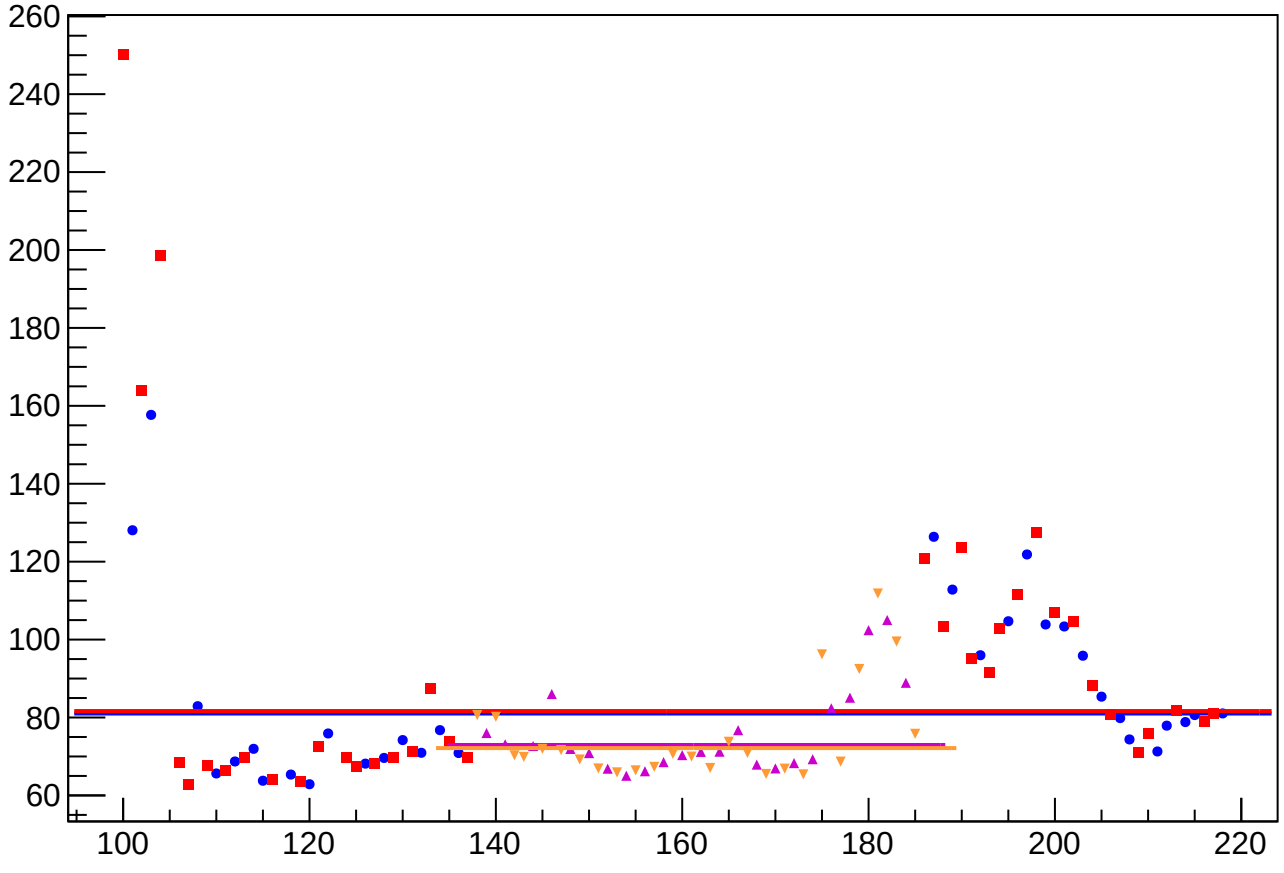
Left In: -103.363+/-17.260 χ^2/NDF:32.7/22

+ sign 21.262+/-12.353 χ^2/NDF: 90.1/56

All: -4.121+/-8.830 χ^2/NDF: 235.4/115

- sign -30.642+/-12.627 χ^2/NDF: 136.6/58

dit_asym_sam7_rms vs Slug



Right In: 81.027+/-0.013 χ^2/NDF: 1505405.6/31

Left Out: 72.150+/-0.012 χ^2/NDF:641970.1/24

Right Out: 81.655+/-0.013 χ^2/NDF: 2128859.9/35

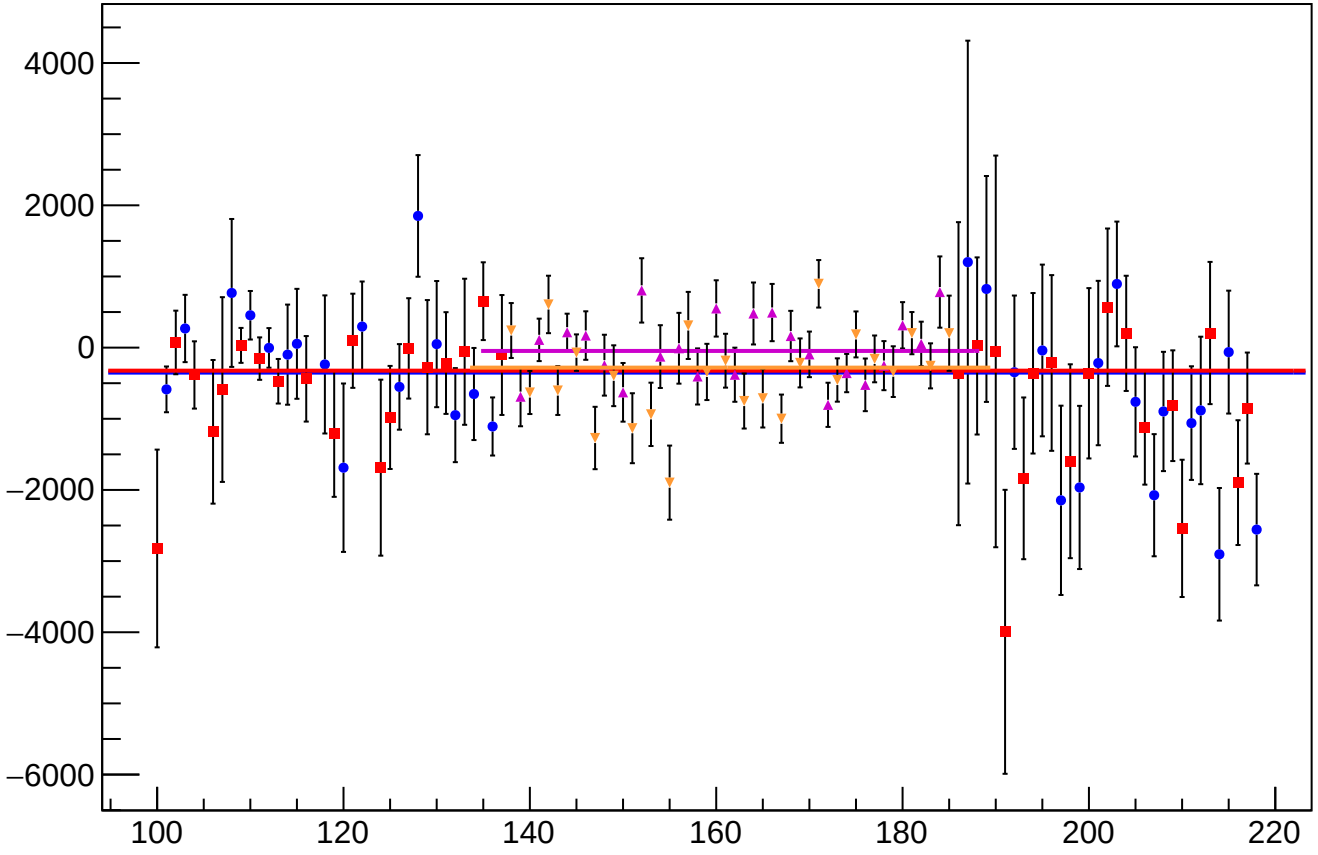
Left In: 72.948+/-0.012 χ^2/NDF:509028.0/22

+ sign 76.126+/-0.009 χ^2/NDF: 2402783.8/56

All: 76.551+/-0.006 χ^2/NDF: 5282044.9/115

- sign 76.995+/-0.009 χ^2/NDF: 2874416.8/58

asym_sam7_dit_correction_mean vs Slug



Right In: -351.024+/-113.854 χ^2/NDF: 52.8/31

Left Out: -281.205+/-72.538 χ^2/NDF:56.8/24

Right Out: -323.774+/-108.743 χ^2/NDF: 32.3/35

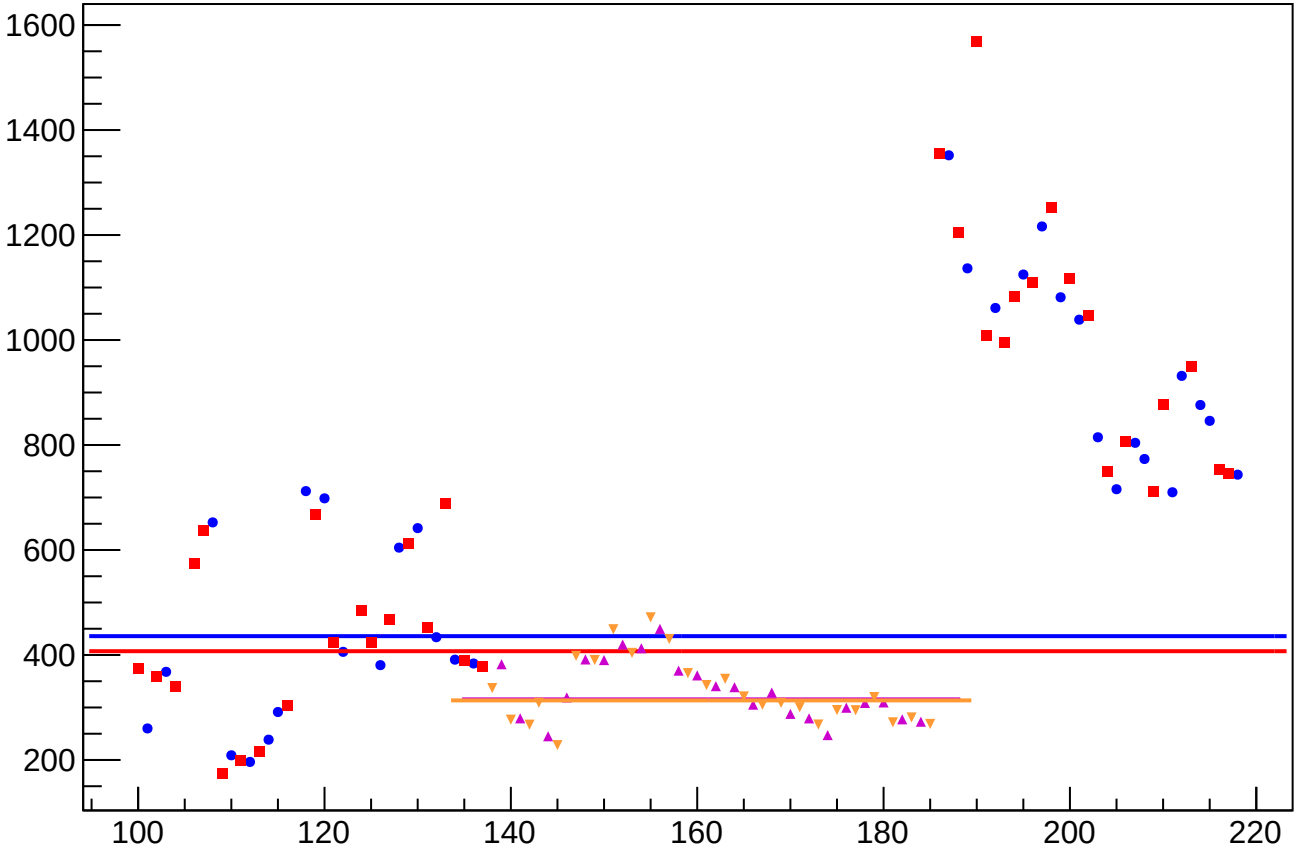
Left In: -46.569+/-74.897 χ^2/NDF:30.7/22

+ sign -301.363+/-61.177 χ^2/NDF: 109.8/56

All: -219.243+/-43.436 χ^2/NDF: 180.9/115

- sign -135.759+/-61.682 χ^2/NDF: 67.5/58

asym_sam7_dit_correction_rms vs Slug



Right In: 435.879+/-0.081 χ^2/NDF: 10816872.5/31

Left Out: 313.500+/-0.051 χ^2/NDF:1175529.4/24

Right Out: 407.210+/-0.077 χ^2/NDF: 12934177.2/35

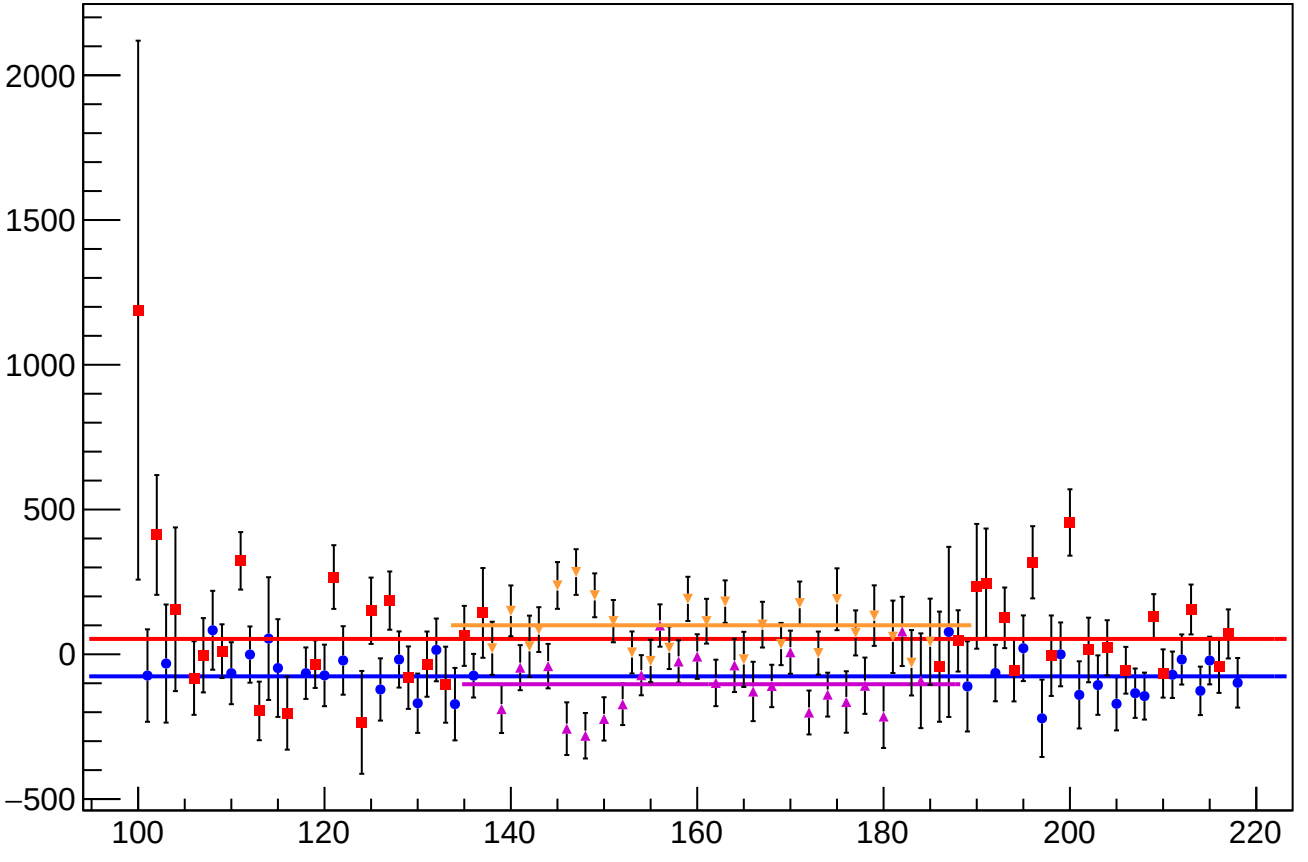
Left In: 315.455+/-0.053 χ^2/NDF:1008523.1/22

+ sign 348.833+/-0.043 χ^2/NDF: 13635959.1/56

All: 346.921+/-0.031 χ^2/NDF: 28548361.4/11

- sign 344.977+/-0.044 χ^2/NDF: 14908462.6/58

eigen_dit_asym_sam7_mean vs Slug



Right In: -76.148+/-18.459 χ^2/NDF: 12.0/31

Left Out: 100.276+/-16.625 χ^2/NDF:27.7/24

Right Out: 53.096+/-18.522 χ^2/NDF: 65.7/35

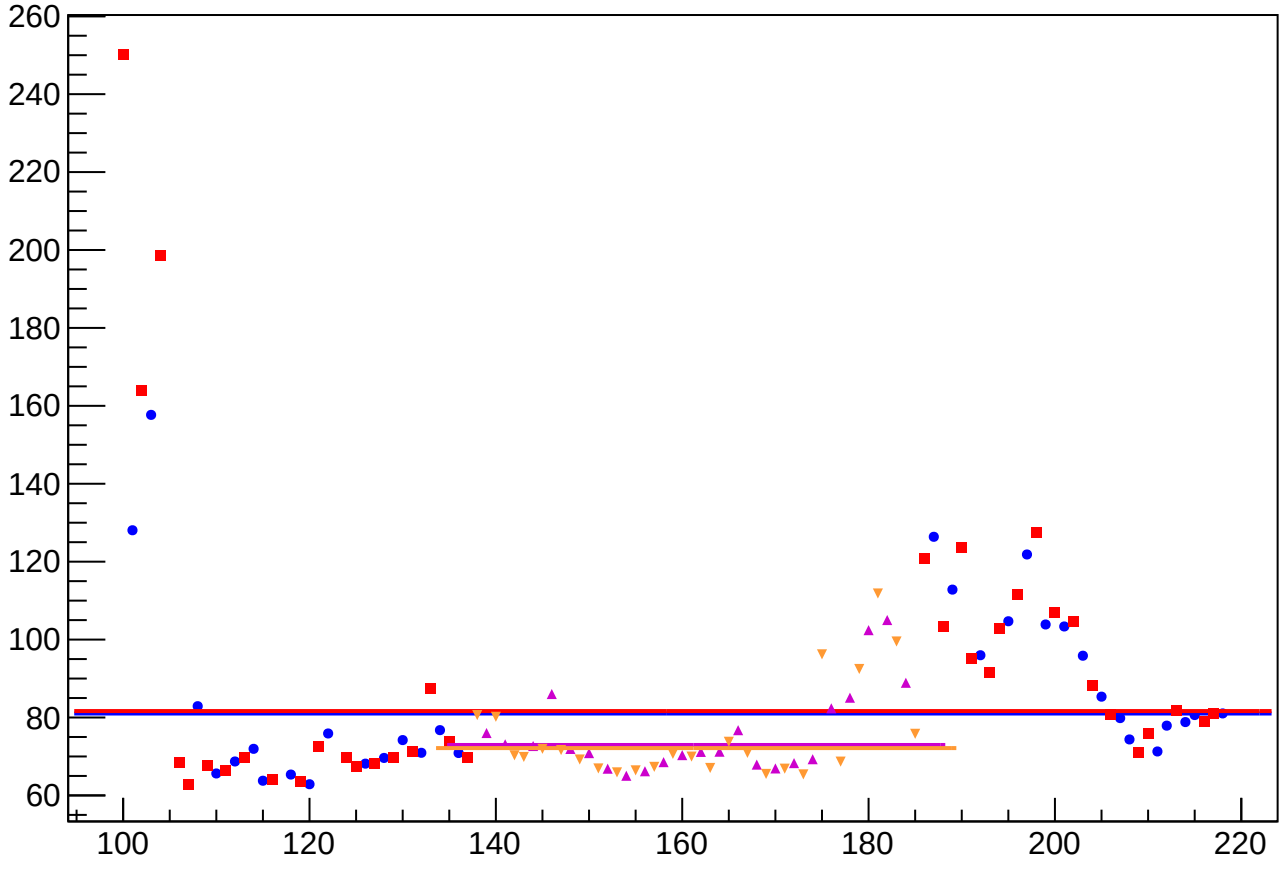
Left In: -103.363+/-17.260 χ^2/NDF:32.7/22

+ sign 21.262+/-12.353 χ^2/NDF: 90.1/56

All: -4.121+/-8.830 χ^2/NDF: 235.4/115

- sign -30.641+/-12.627 χ^2/NDF: 136.6/58

eigen_dit_asym_sam7_rms vs Slug



Right In: 81.027+/-0.013 χ^2/NDF: 1505412.4/31

Left Out: 72.150+/-0.012 χ^2/NDF:641967.4/24

Right Out: 81.655+/-0.013 χ^2/NDF: 2128861.4/35

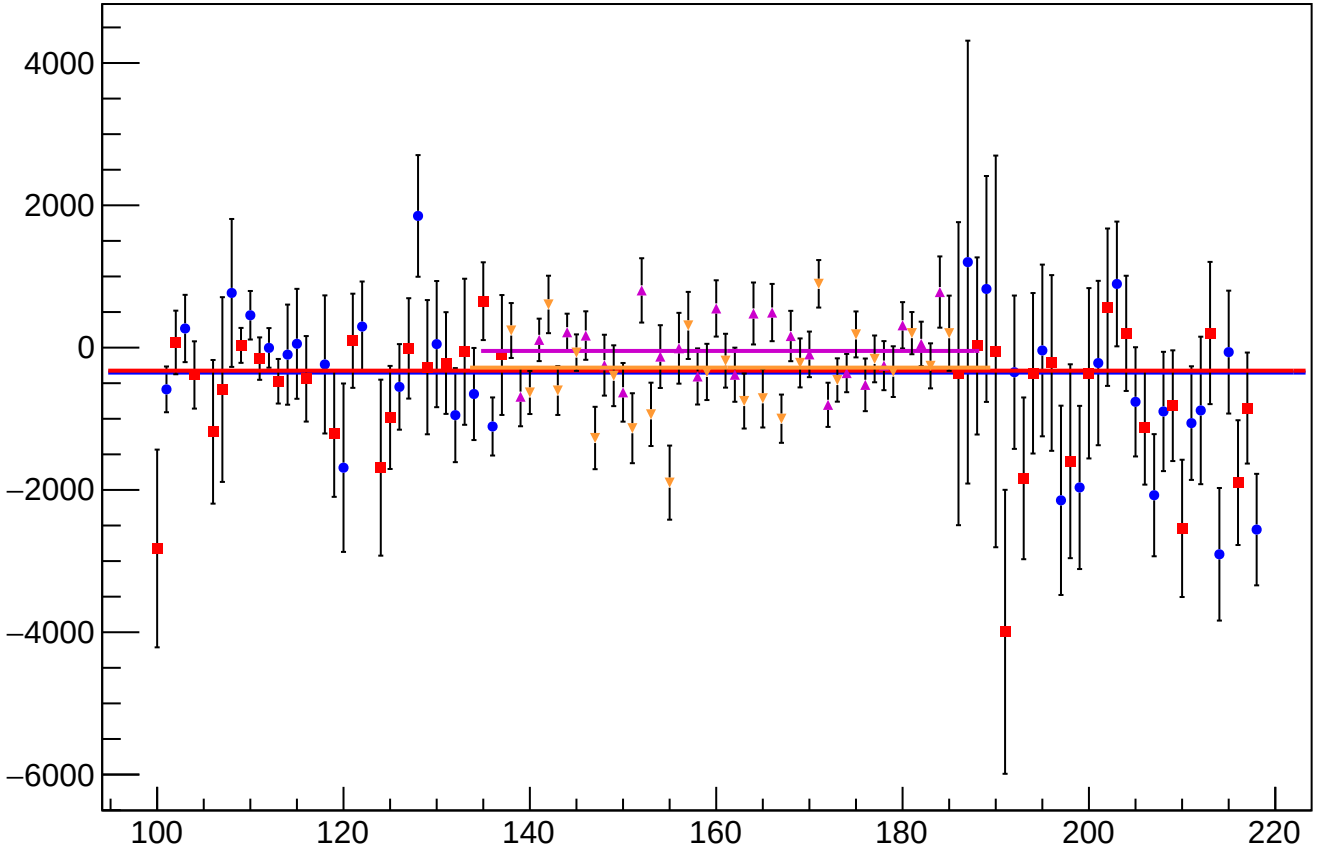
Left In: 72.948+/-0.012 χ^2/NDF:509028.7/22

+ sign 76.126+/-0.009 χ^2/NDF: 2402784.5/56

All: 76.551+/-0.006 χ^2/NDF: 5282042.0/115

- sign 76.995+/-0.009 χ^2/NDF: 2874413.3/58

asym_sam7_eigen_dit_correction_mean vs Slug



Right In: -351.020+/-113.854 χ^2/NDF: 52.8/31

Left Out: -281.205+/-72.538 χ^2/NDF:56.8/24

Right Out: -323.772+/-108.742 χ^2/NDF: 32.3/35

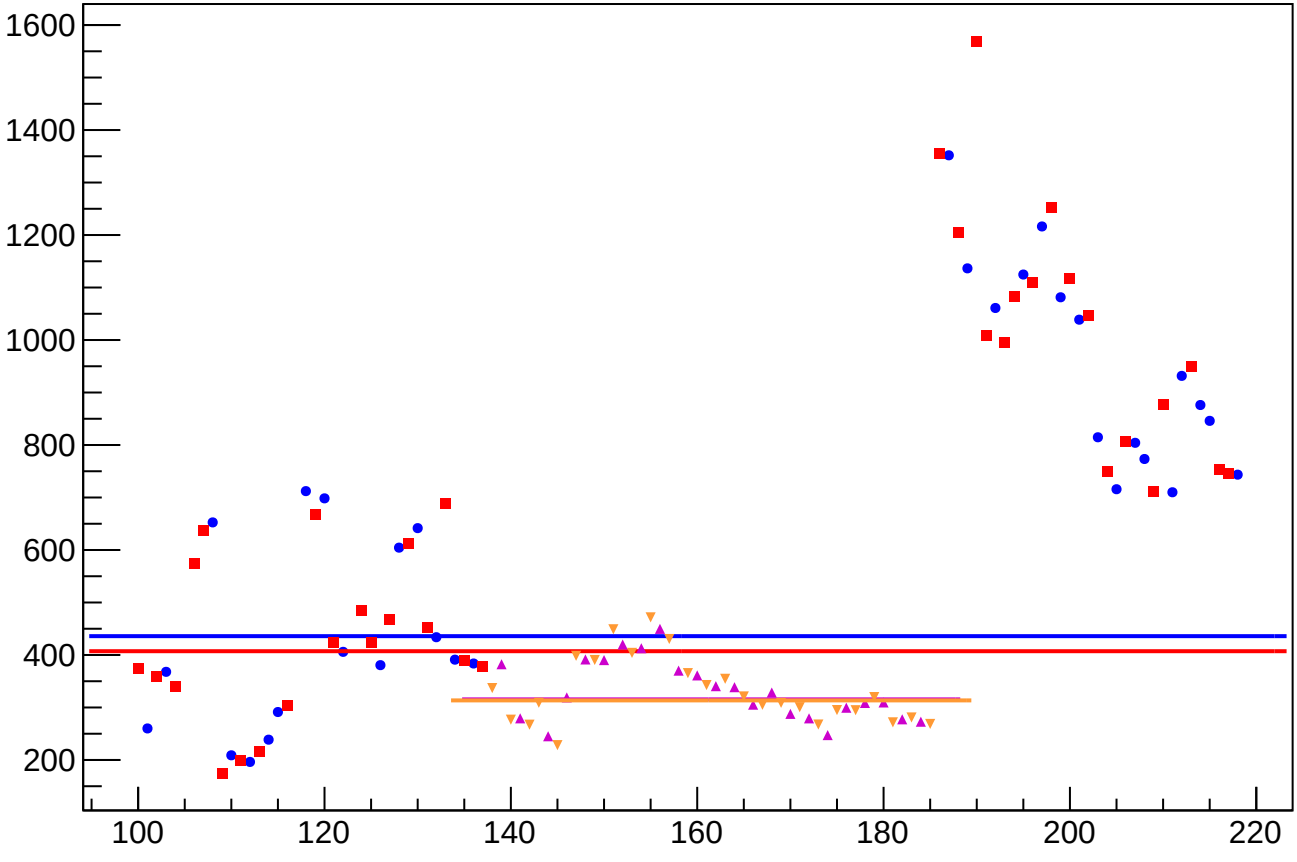
Left In: -46.569+/-74.897 χ^2/NDF:30.7/22

+ sign -301.362+/-61.176 χ^2/NDF: 109.8/56

All: -219.242+/-43.436 χ^2/NDF: 180.9/115

- sign -135.759+/-61.682 χ^2/NDF: 67.5/58

asym_sam7_eigen_dit_correction_rms vs Slug



Right In: 435.876+/-0.081 χ^2/NDF: 10817003.5/31

Left Out: 313.500+/-0.051 χ^2/NDF:1175534.8/24

Right Out: 407.207+/-0.077 χ^2/NDF: 12934251.3/35

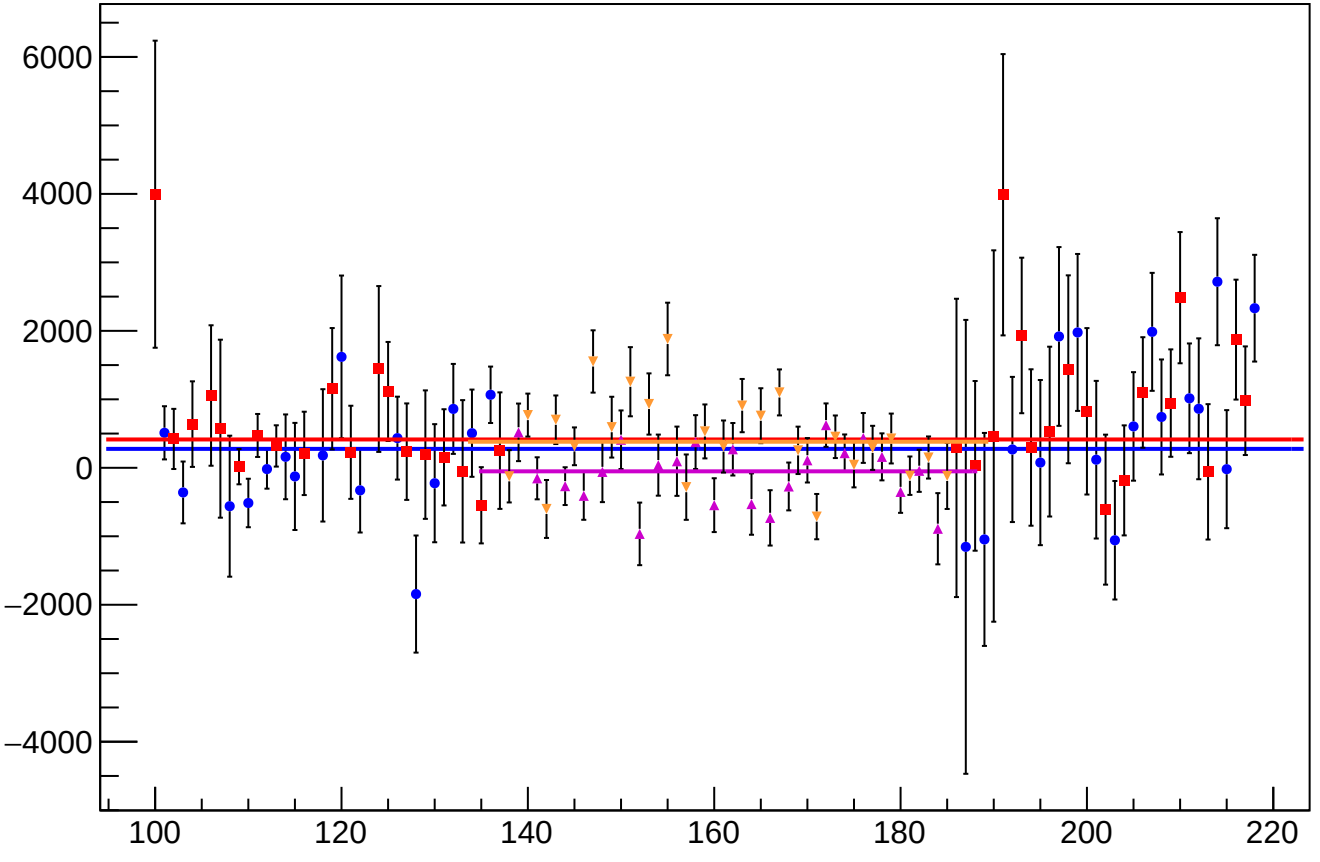
Left In: 315.456+/-0.053 χ^2/NDF:1008521.8/22

+ sign 348.832+/-0.043 χ^2/NDF: 13636022.5/56

All: 346.920+/-0.031 χ^2/NDF: 28548453.3/11

- sign 344.977+/-0.044 χ^2/NDF: 14908491.7/58

asym_sam7_mean vs Slug



Right In: 276.389+/-116.253 χ^2/NDF: 49.5/31

Left Out: 380.624+/-73.057 χ^2/NDF:55.4/24

Right Out: 413.939+/-111.586 χ^2/NDF: 28.0/35

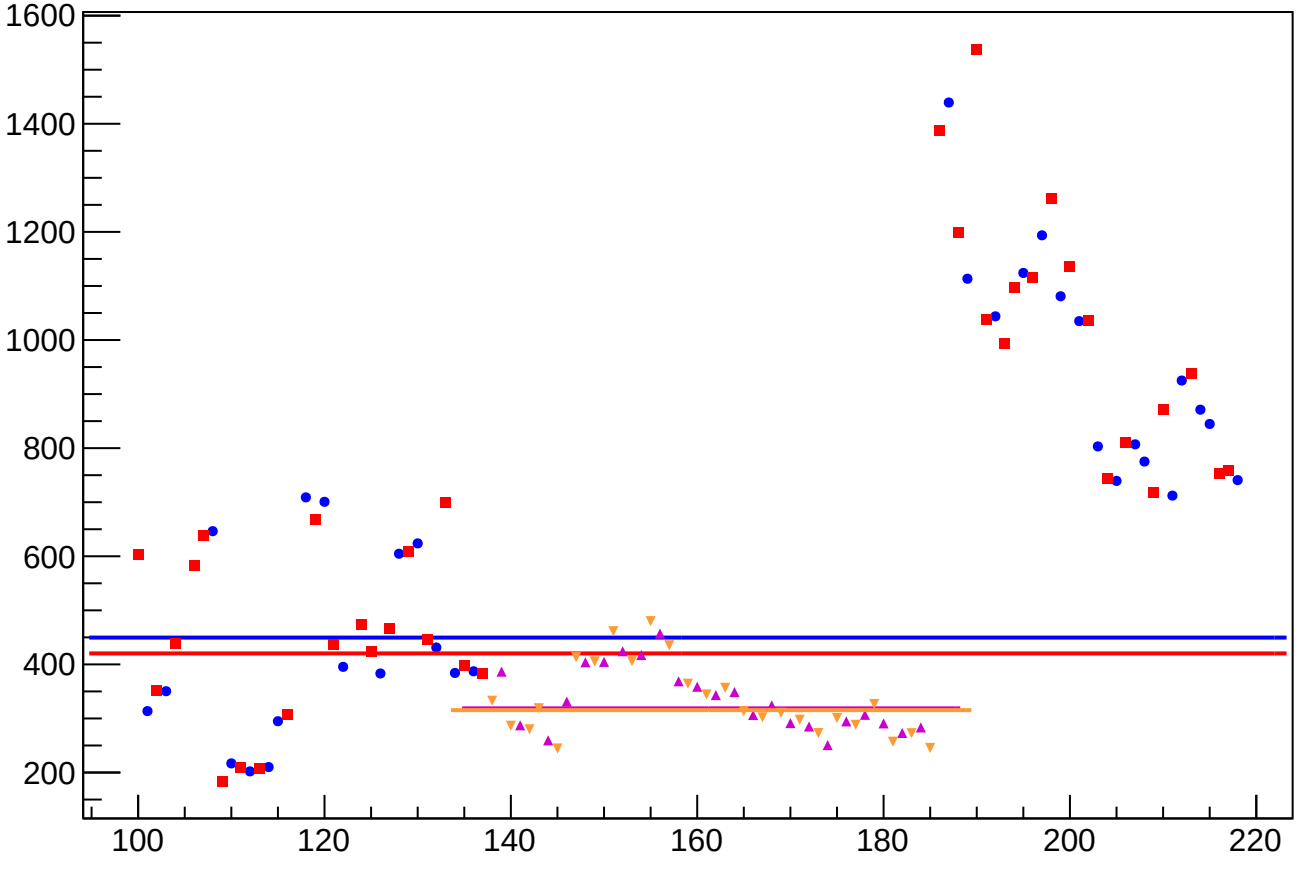
Left In: -51.474+/-75.629 χ^2/NDF:28.2/22

+ sign 351.114+/-61.856 χ^2/NDF: 105.5/56

All: 224.609+/-44.001 χ^2/NDF: 182.1/115

- sign 95.024+/-62.605 χ^2/NDF: 68.1/58

asym_sam7_rms vs Slug



Right In: 449.595+/-0.082 χ^2/NDF: 10214700.1/31

Left Out: 315.396+/-0.052 χ^2/NDF:1210106.0/24

Right Out: 420.322+/-0.079 χ^2/NDF: 12576452.4/35

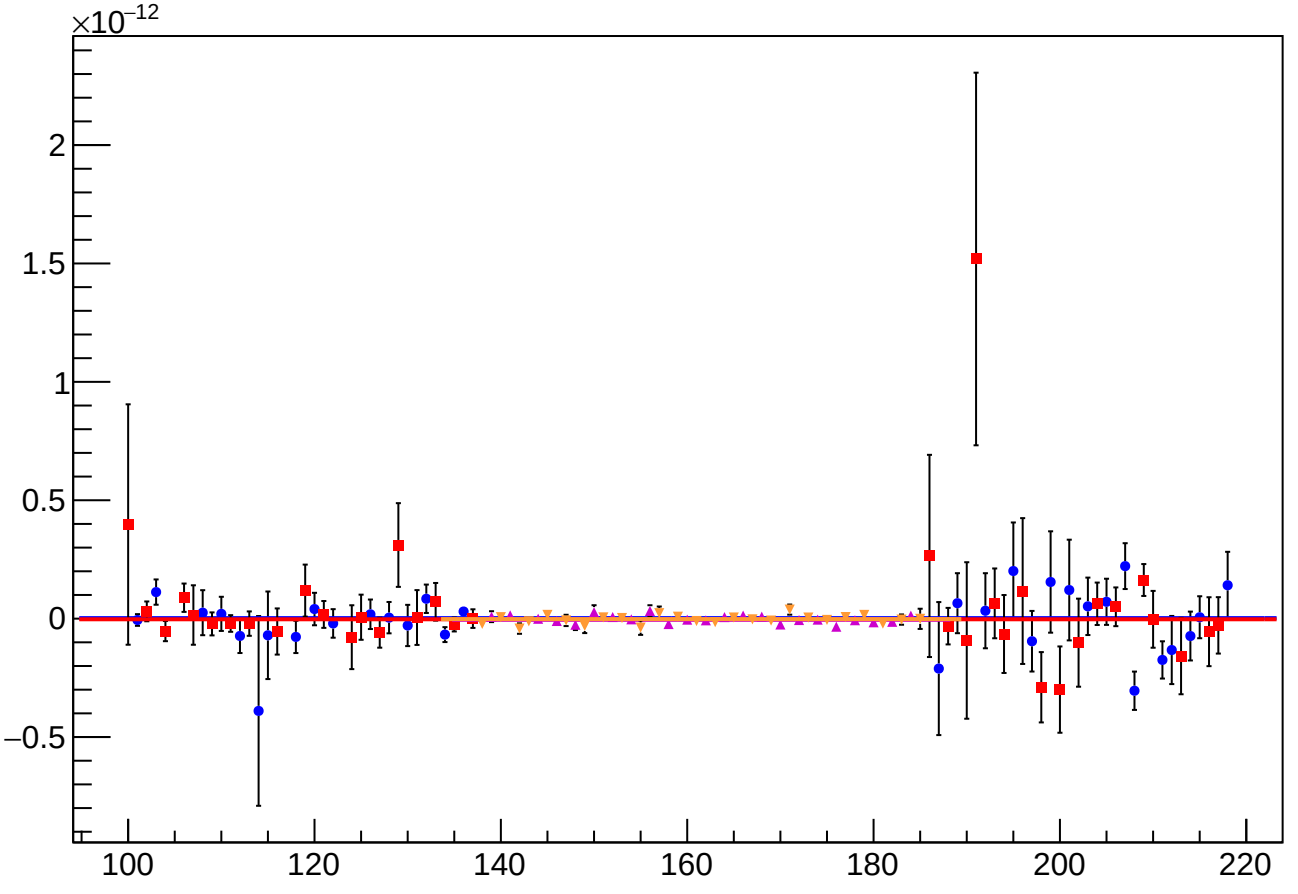
Left In: 318.688+/-0.053 χ^2/NDF:991604.7/22

+ sign 353.389+/-0.044 χ^2/NDF: 13335420.5/56

All: 352.051+/-0.031 χ^2/NDF: 28042257.4/11

- sign 350.680+/-0.044 χ^2/NDF: 14704941.1/58

asym_sam7_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 48.7/31

Left Out: -0.000+/-0.000 χ^2/NDF:19.0/24

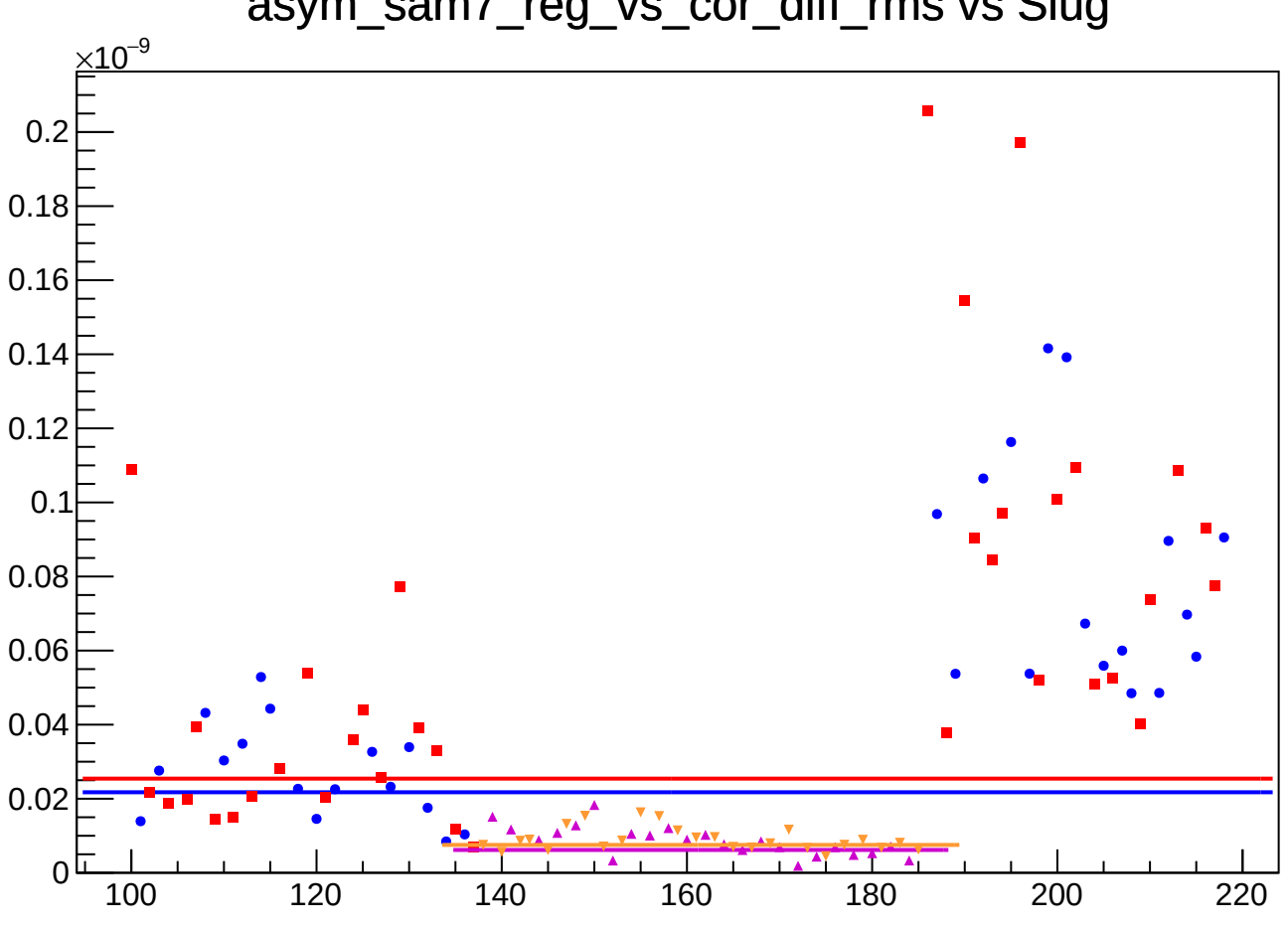
Right Out: -0.000+/-0.000 χ^2/NDF: 32.5/35

Left In: -0.000+/-0.000 χ^2/NDF:17.7/22

+ sign -0.000+/-0.000 χ^2/NDF: 67.8/56

All: -0.000+/-0.000 χ^2/NDF: 118.5/115

- sign -0.000+/-0.000 χ^2/NDF: 50.2/58



Right In: 0.000+/-0.000 χ^2/NDF: 7397861.0/31

Left Out: 0.000+/-0.000 χ^2/NDF:1208953.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6811007.5/35

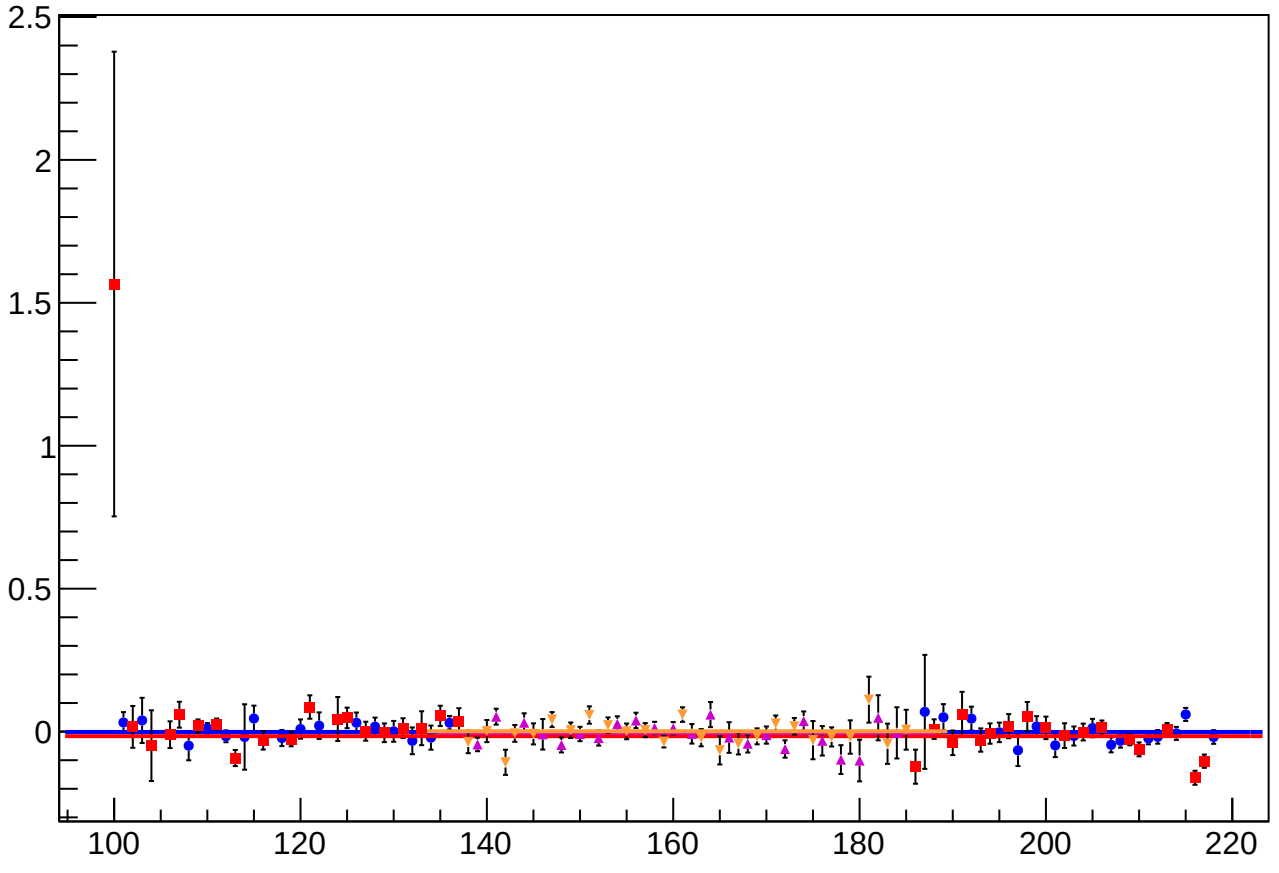
Left In: 0.000+/-0.000 χ^2/NDF:2784673.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 12098282.7/56

All: 0.000+/-0.000 χ^2/NDF: 26925634.1/115

- sign 0.000+/-0.000 χ^2/NDF: 14590567.8/58

asym_sam7_dit_vs_cor_diff_mean vs Slug



Right In: -0.001+/-0.005 χ^2/NDF: 28.7/31

Left Out: 0.001+/-0.006 χ^2/NDF:30.3/24

Right Out: -0.016+/-0.006 χ^2/NDF: 102.0/35

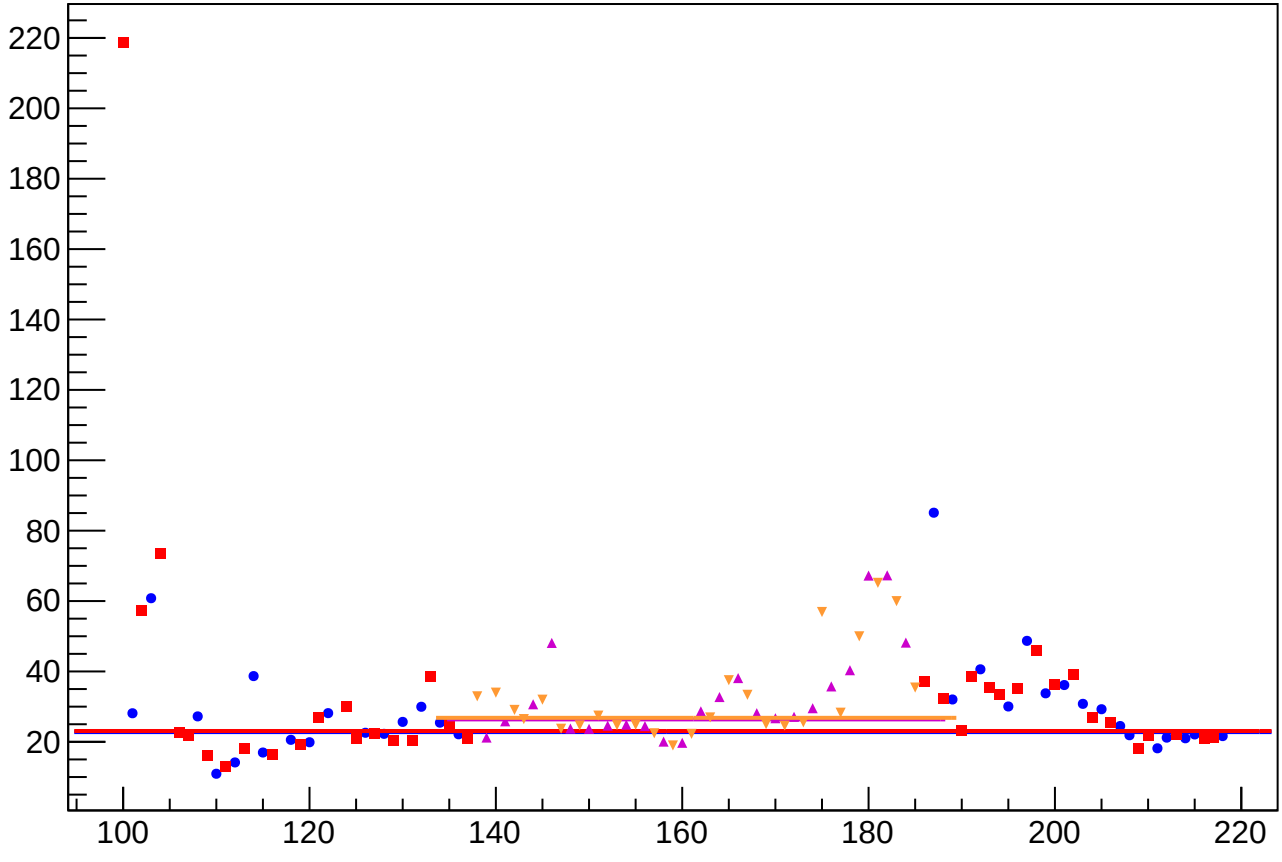
Left In: -0.004+/-0.007 χ^2/NDF:31.1/22

+ sign -0.000+/-0.004 χ^2/NDF: 59.0/56

All: -0.006+/-0.003 χ^2/NDF: 197.4/115

- sign -0.011+/-0.004 χ^2/NDF: 135.0/58

asym_sam7_dit_vs_cor_diff_rms vs Slug



Right In: 22.770+/-0.004 χ^2/NDF: 3780627.0/31

Left Out: 26.820+/-0.005 χ^2/NDF:2469807.6/24

Right Out: 23.082+/-0.004 χ^2/NDF: 3986924.5/35

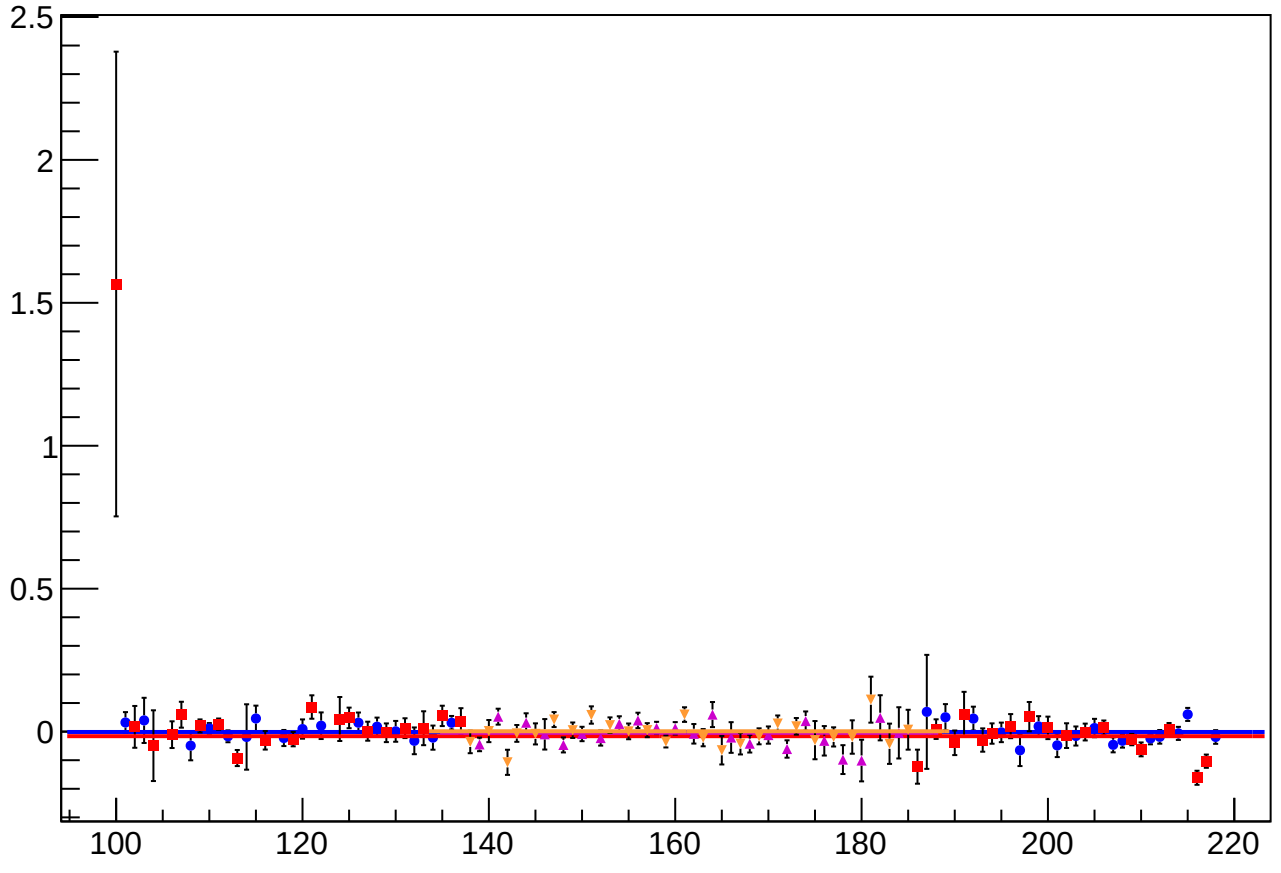
Left In: 26.376+/-0.005 χ^2/NDF:2566400.7/22

+ sign 24.452+/-0.003 χ^2/NDF: 6705248.7/56

All: 24.445+/-0.002 χ^2/NDF: 13551617.3/115

- sign 24.437+/-0.003 χ^2/NDF: 6846355.6/58

asym_sam7_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.001+/-0.005 χ^2/NDF: 28.7/31

Left Out: 0.001+/-0.006 χ^2/NDF:30.3/24

Right Out: -0.016+/-0.006 χ^2/NDF: 102.0/35

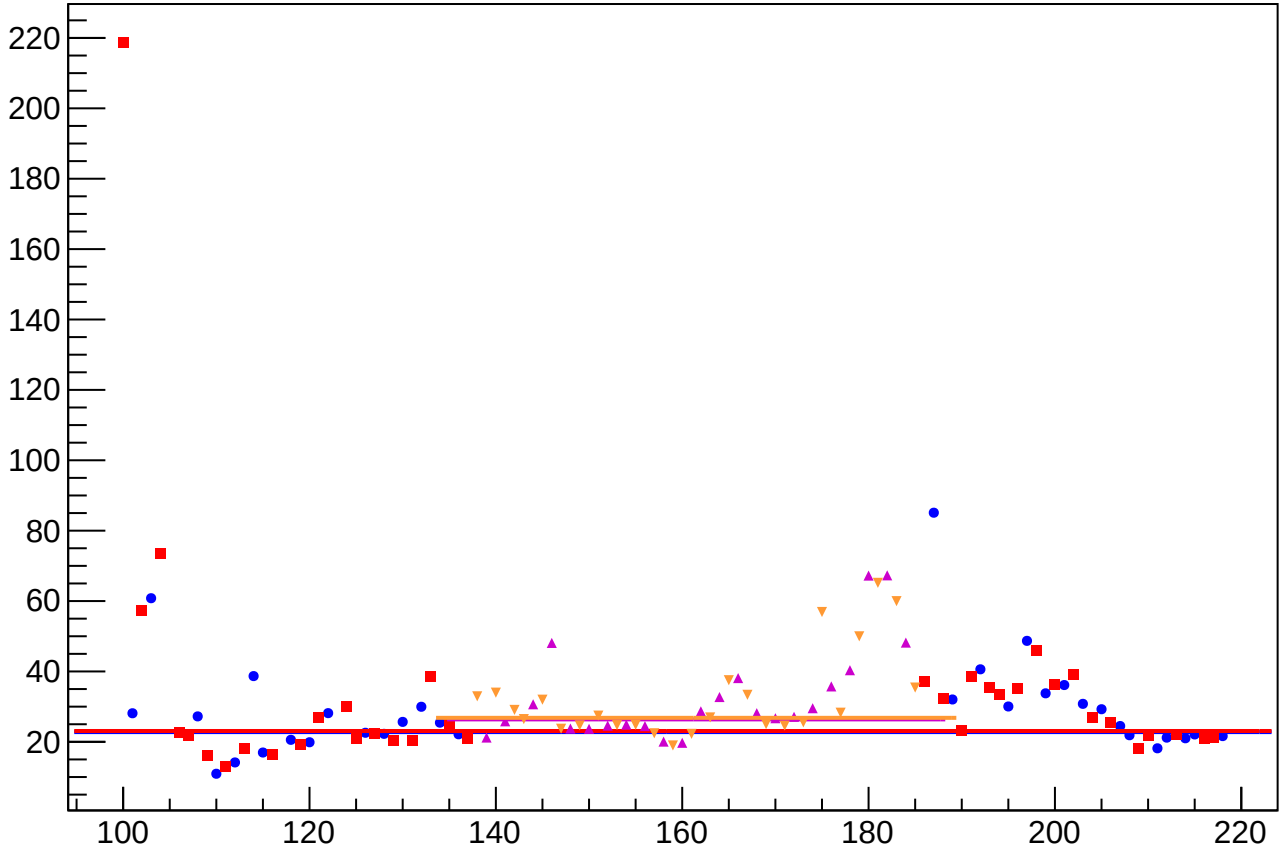
Left In: -0.004+/-0.007 χ^2/NDF:31.1/22

+ sign -0.000+/-0.004 χ^2/NDF: 59.0/56

All: -0.006+/-0.003 χ^2/NDF: 197.4/115

- sign -0.011+/-0.004 χ^2/NDF: 135.0/58

asym_sam7_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 22.770+/-0.004 χ^2/NDF: 3780627.0/31

Left Out: 26.820+/-0.005 χ^2/NDF:2469807.6/24

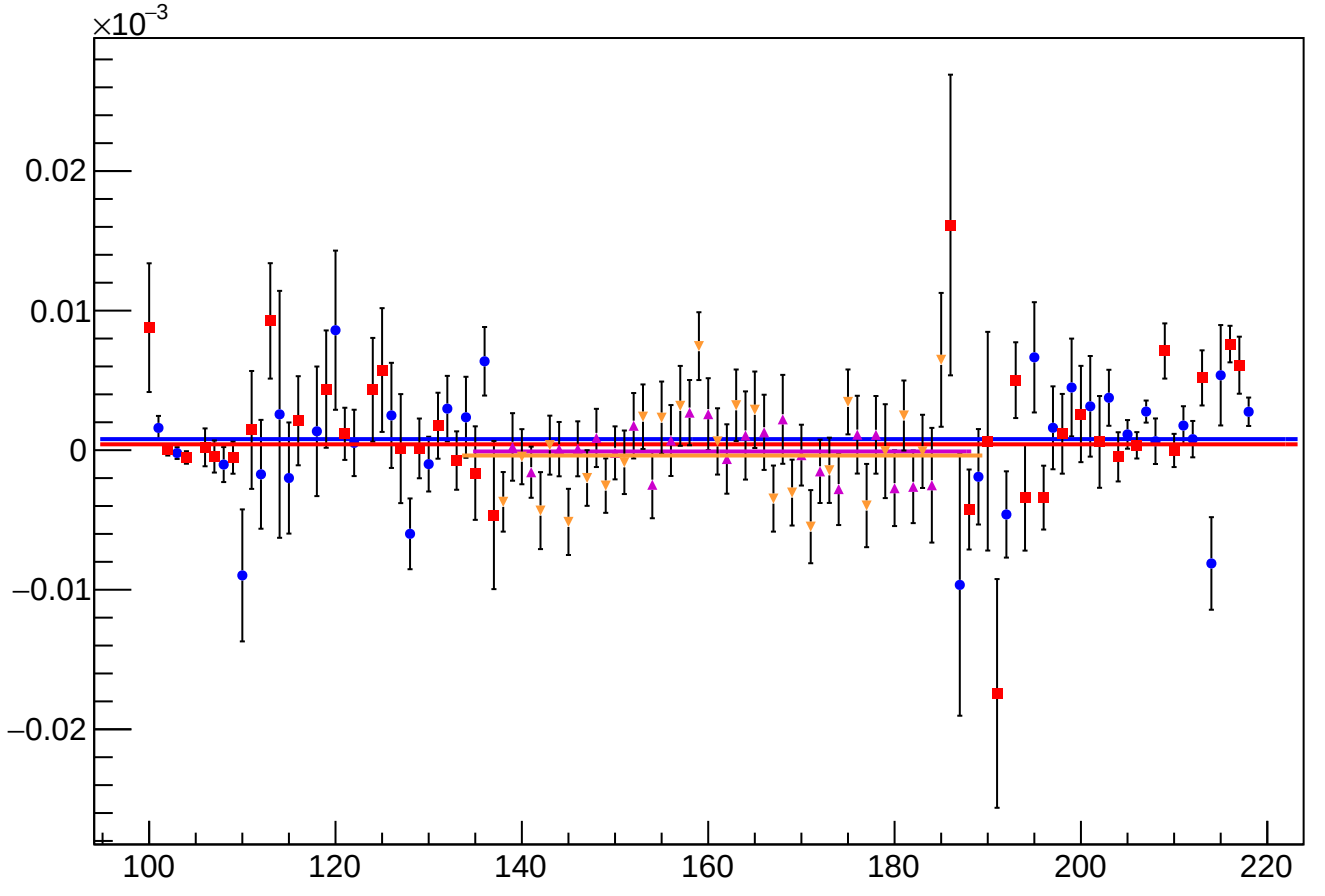
Right Out: 23.082+/-0.004 χ^2/NDF: 3986924.5/35

Left In: 26.376+/-0.005 χ^2/NDF:2566400.7/22

+ sign 24.452+/-0.003 χ^2/NDF: 6705248.7/56

All: 24.445+/-0.002 χ^2/NDF: 13551617.3/115

- sign 24.437+/-0.003 χ^2/NDF: 6846355.6/58



Right In: 0.000+/-0.000 χ^2/NDF: 60.5/31

Left Out: -0.000+/-0.000 χ^2/NDF:43.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 92.5/35

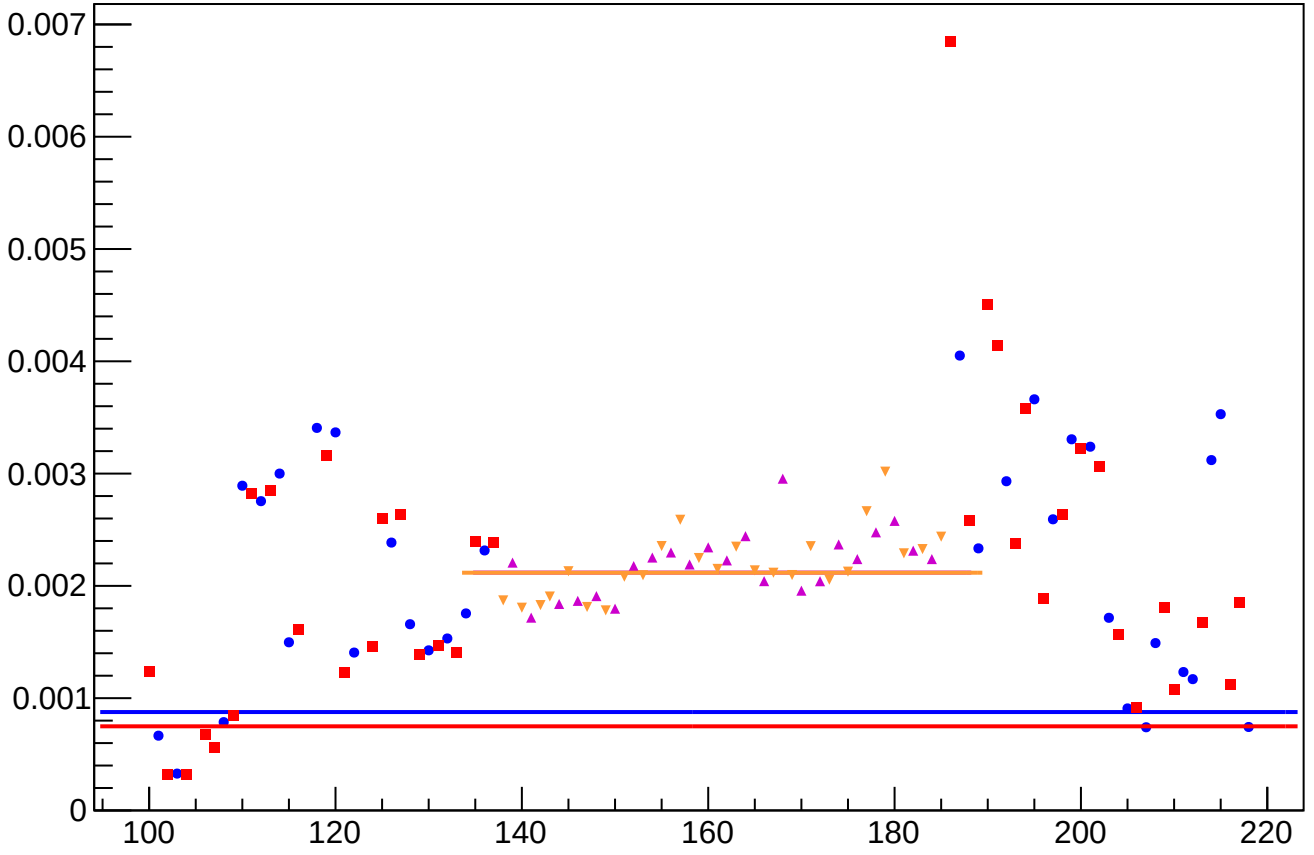
Left In: -0.000+/-0.000 χ^2/NDF:10.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 108.2/56

All: 0.000+/-0.000 χ^2/NDF: 212.2/115

- sign 0.000+/-0.000 χ^2/NDF: 103.6/58

asym_sam7_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 15188923.8/31

Left Out: 0.002+/-0.000 χ^2/NDF:578720.8/24

Right Out: 0.001+/-0.000 χ^2/NDF: 18080114.9/35

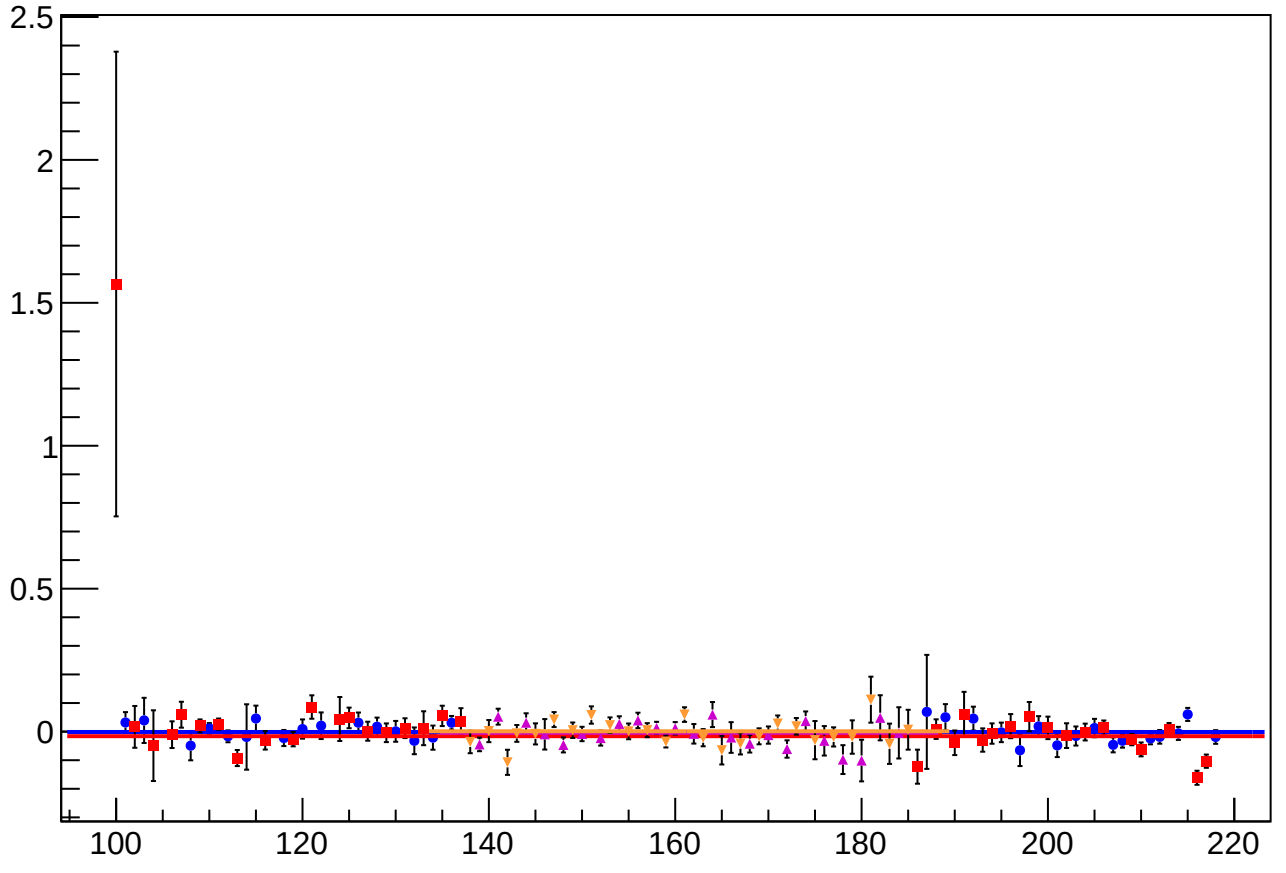
Left In: 0.002+/-0.000 χ^2/NDF:588580.3/22

\+ sign 0.001+/-0.000 χ^2/NDF: 25913160.3/56

All: 0.001+/-0.000 χ^2/NDF: 57531277.5/115

\- sign 0.001+/-0.000 χ^2/NDF: 31056188.8/58

asym_sam7_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.001+/-0.005 χ^2/NDF: 28.7/31

Left Out: 0.001+/-0.006 χ^2/NDF:30.3/24

Right Out: -0.016+/-0.006 χ^2/NDF: 101.9/35

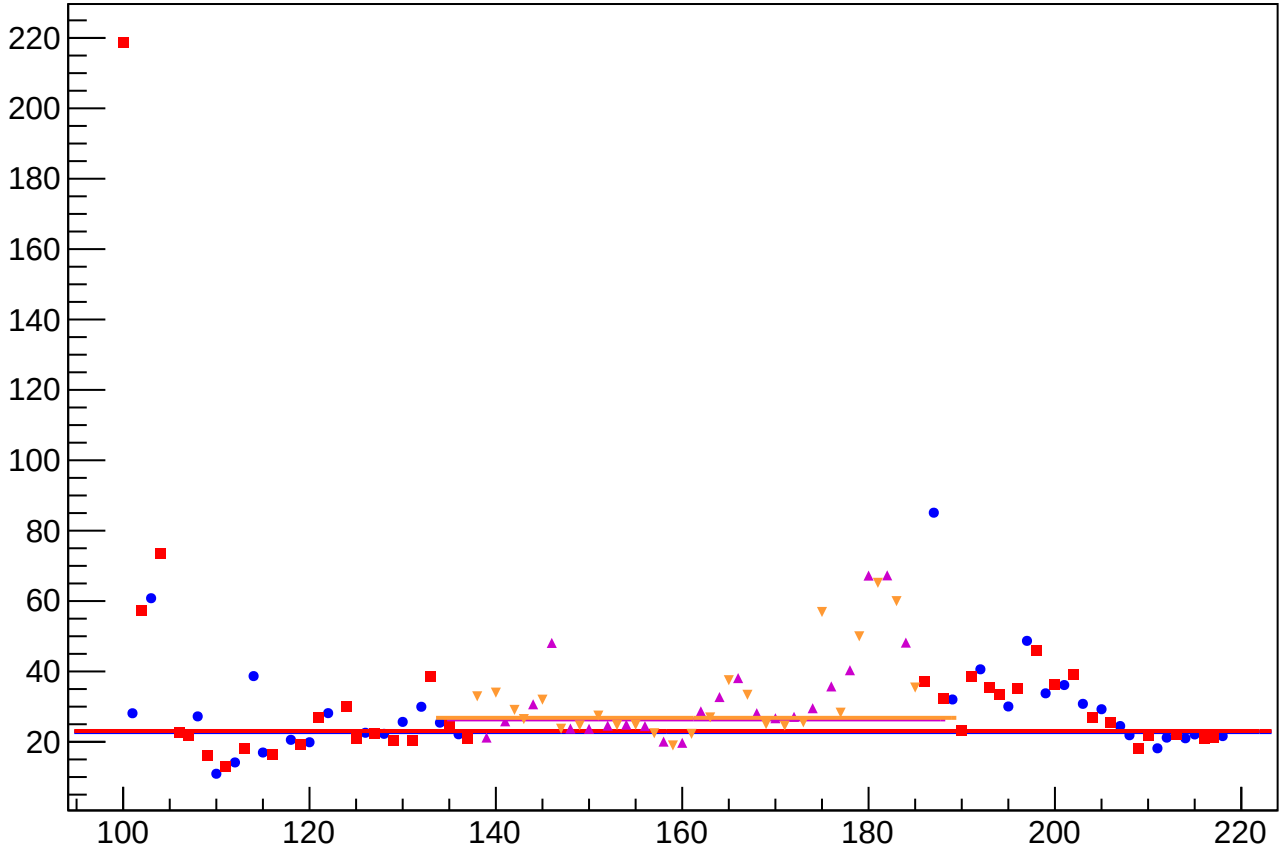
Left In: -0.004+/-0.007 χ^2/NDF:31.1/22

+ sign -0.000+/-0.004 χ^2/NDF: 59.0/56

All: -0.006+/-0.003 χ^2/NDF: 197.4/115

- sign -0.011+/-0.004 χ^2/NDF: 135.0/58

asym_sam7_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 22.770+/-0.004 χ^2/NDF: 3780355.7/31

Left Out: 26.820+/-0.005 χ^2/NDF:2469855.0/24

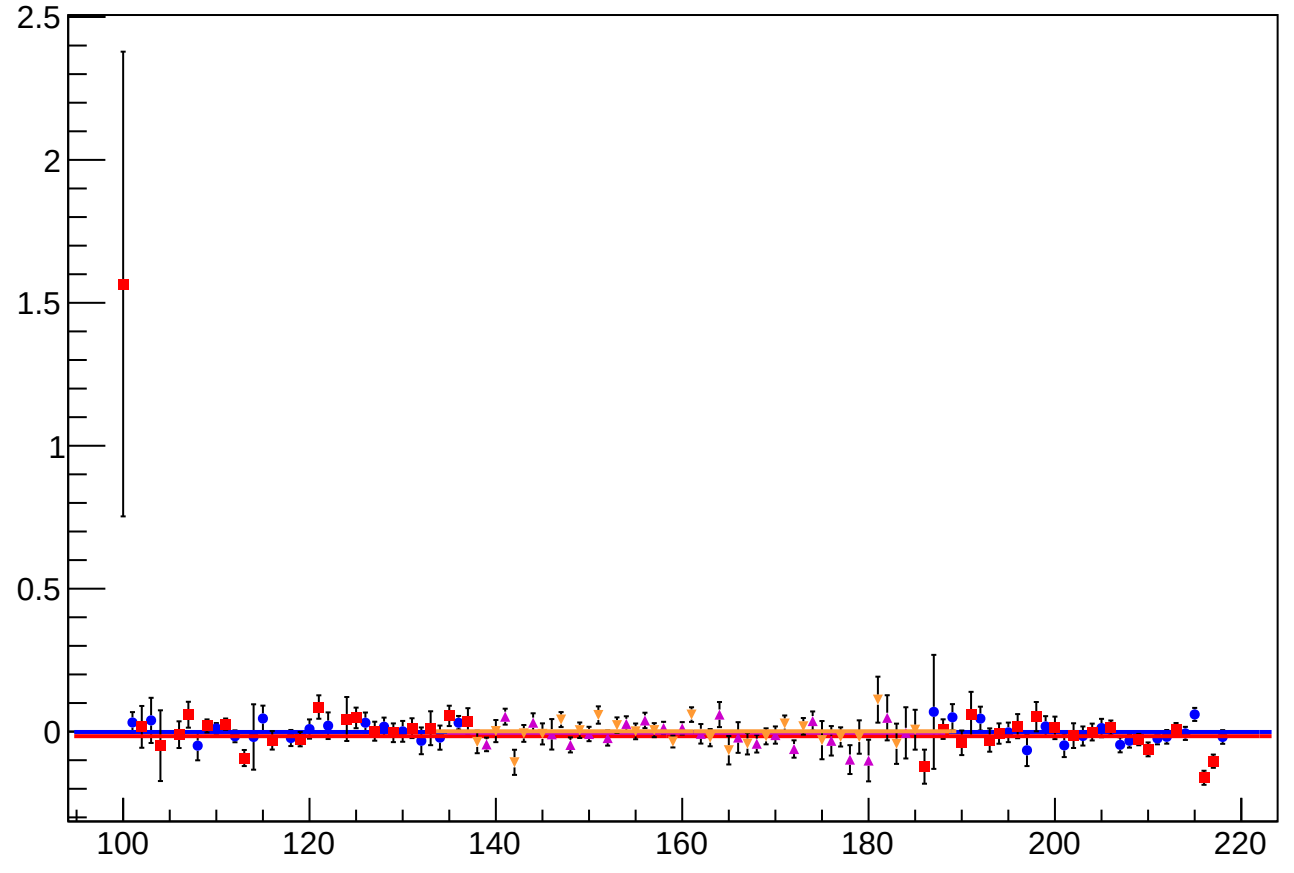
Right Out: 23.082+/-0.004 χ^2/NDF: 3986720.7/35

Left In: 26.376+/-0.005 χ^2/NDF:2566477.5/22

+ sign 24.453+/-0.003 χ^2/NDF: 6704925.3/56

All: 24.445+/-0.002 χ^2/NDF: 13551153.5/115

- sign 24.437+/-0.003 χ^2/NDF: 6846214.8/58



Right In: -0.001+/-0.005 χ^2/NDF: 28.7/31

Left Out: 0.001+/-0.006 χ^2/NDF:30.3/24

Right Out: -0.016+/-0.006 χ^2/NDF: 101.9/35

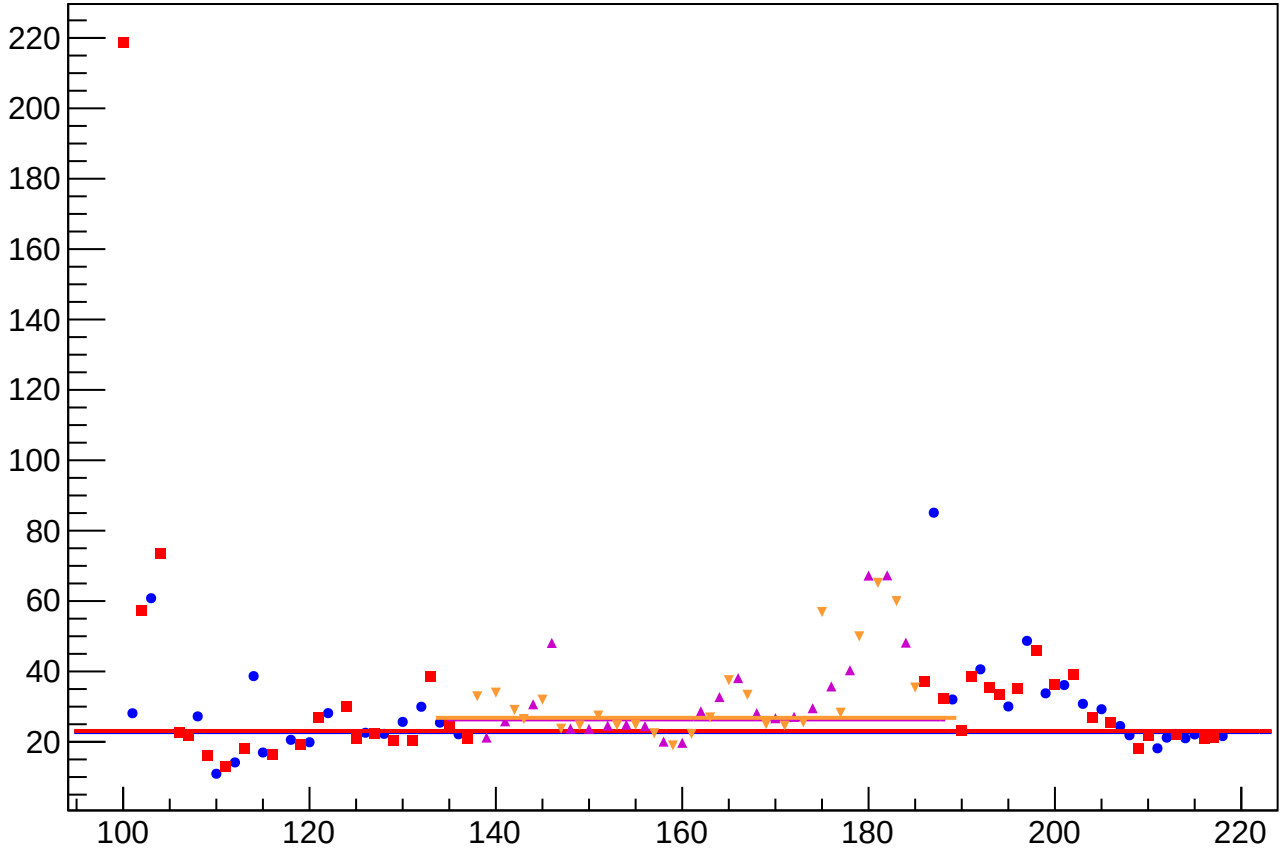
Left In: -0.004+/-0.007 χ^2/NDF:31.1/22

+ sign -0.000+/-0.004 χ^2/NDF: 59.0/56

All: -0.006+/-0.003 χ^2/NDF: 197.4/115

- sign -0.011+/-0.004 χ^2/NDF: 135.0/58

asym_sam7_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 22.770+/-0.004 χ^2/NDF: 3780355.7/31

Left Out: 26.820+/-0.005 χ^2/NDF:2469855.0/24

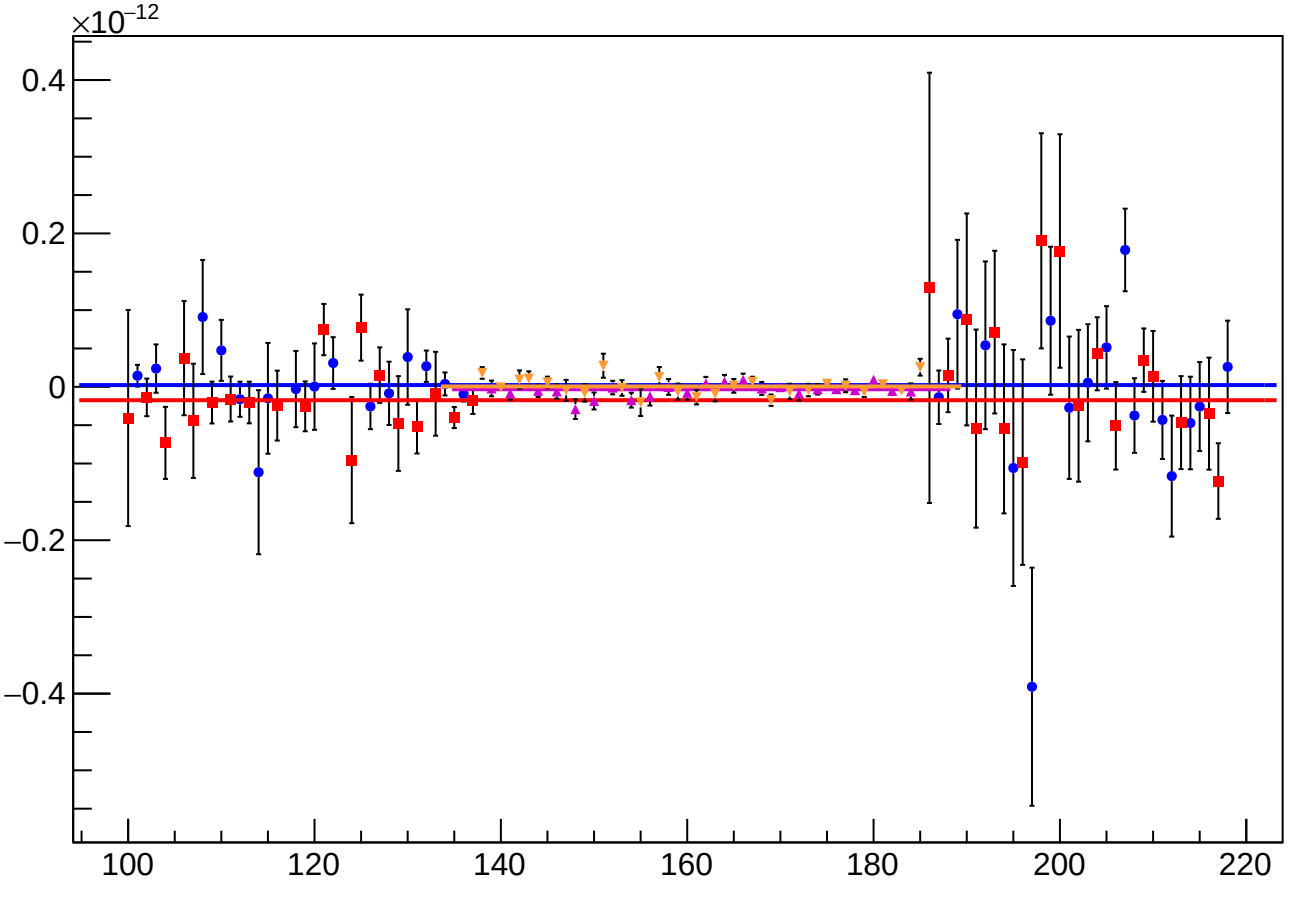
Right Out: 23.082+/-0.004 χ^2/NDF: 3986720.7/35

Left In: 26.376+/-0.005 χ^2/NDF:2566477.5/22

+ sign 24.453+/-0.003 χ^2/NDF: 6704925.3/56

All: 24.445+/-0.002 χ^2/NDF: 13551153.5/115

- sign 24.437+/-0.003 χ^2/NDF: 6846214.8/58



Right In: 0.000+/-0.000 χ^2/NDF: 36.3/31

Left Out: 0.000+/-0.000 χ^2/NDF:32.6/24

Right Out: -0.000+/-0.000 χ^2/NDF: 35.4/35

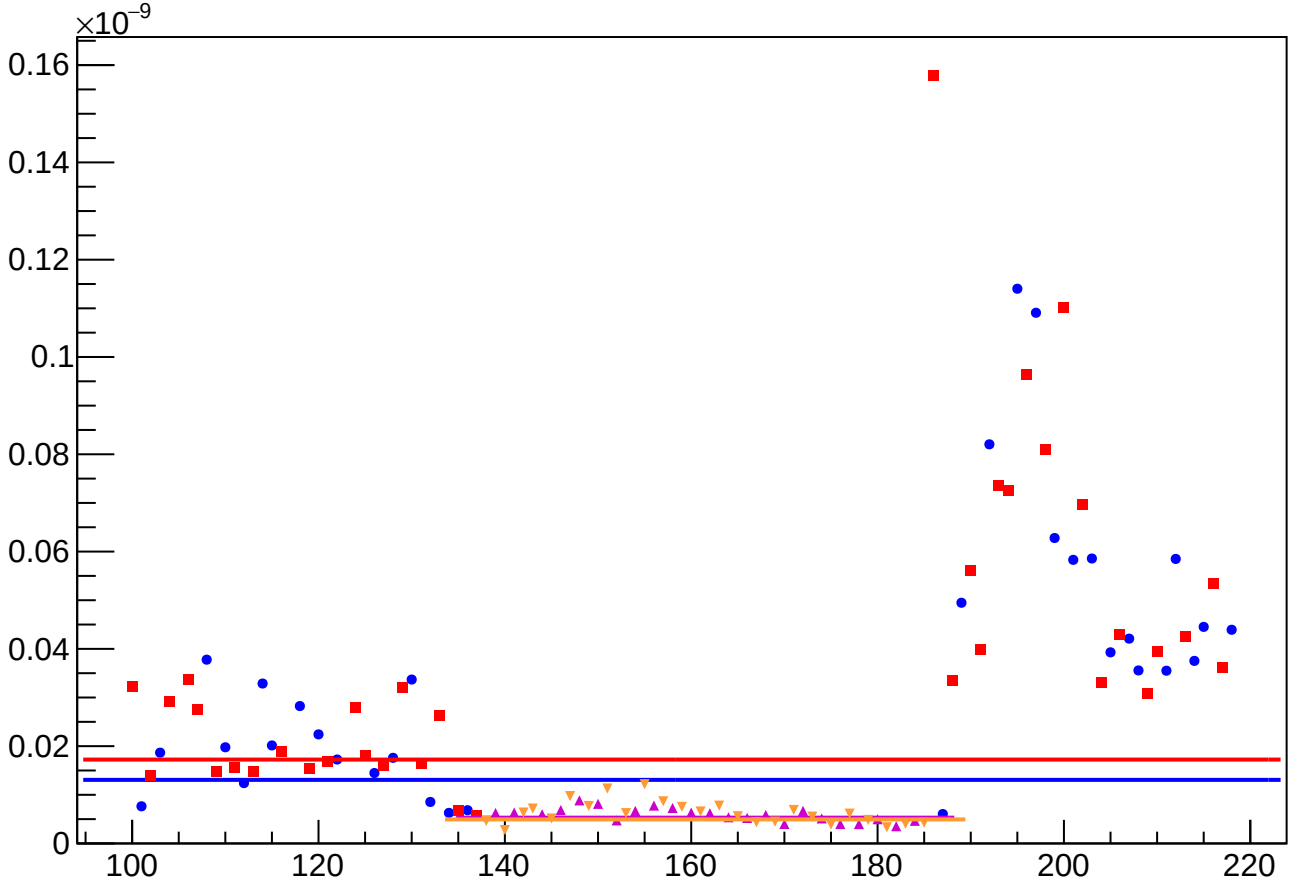
Left In: -0.000+/-0.000 χ^2/NDF:19.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 69.0/56

All: -0.000+/-0.000 χ^2/NDF: 132.4/115

- sign -0.000+/-0.000 χ^2/NDF: 59.0/58

asym_sam7_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 11103449.9/31

Left Out: 0.000+/-0.000 χ^2/NDF:2747591.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9295514.3/35

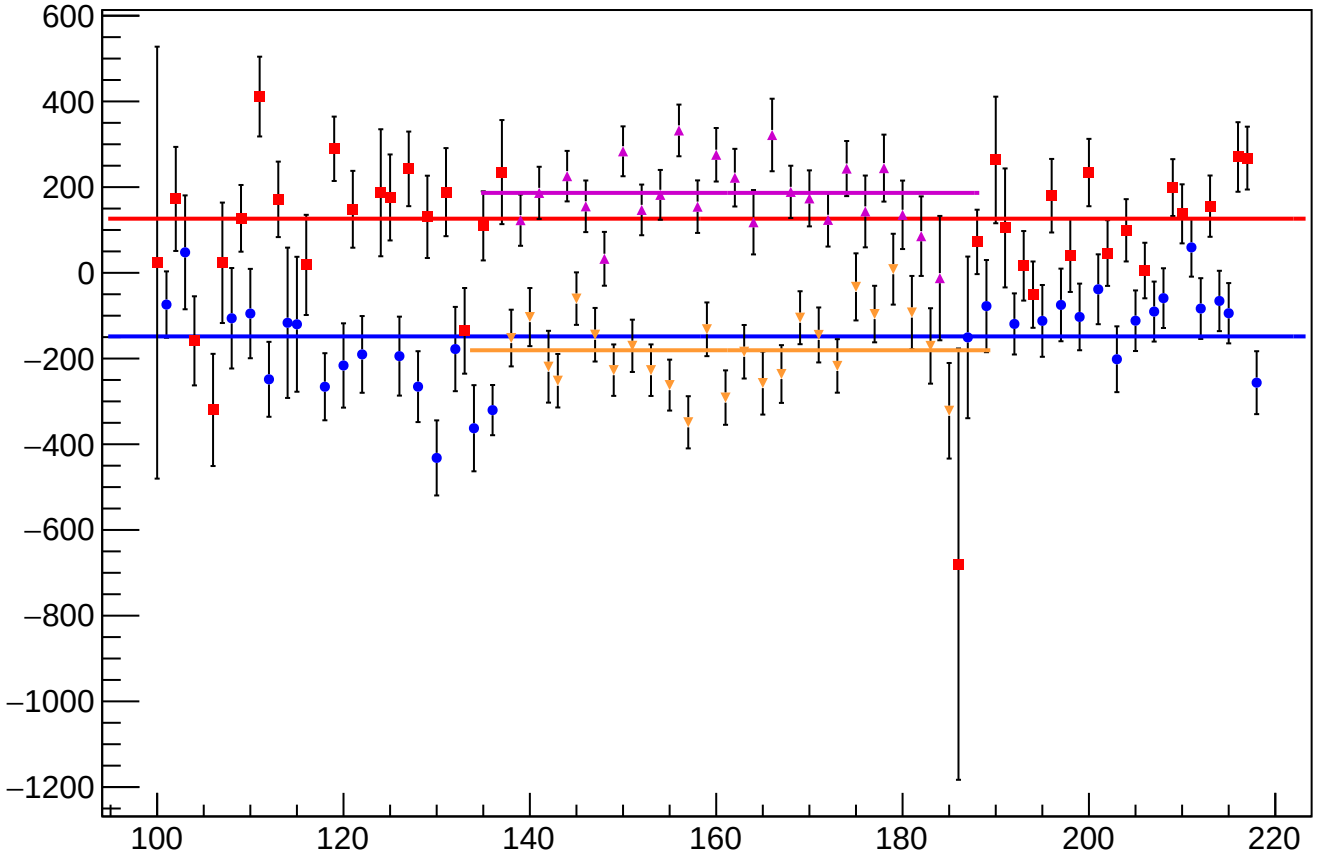
Left In: 0.000+/-0.000 χ^2/NDF:1247237.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 18074087.3/56

All: 0.000+/-0.000 χ^2/NDF: 35005561.3/115

- sign 0.000+/-0.000 χ^2/NDF: 16844935.3/58

reg_asym_sam8_mean vs Slug



Right In: -148.349+/-14.806 χ^2/NDF: 54.8/31

Left Out: -180.685+/-13.419 χ^2/NDF:38.6/24

Right Out: 126.369+/-14.976 χ^2/NDF: 72.7/35

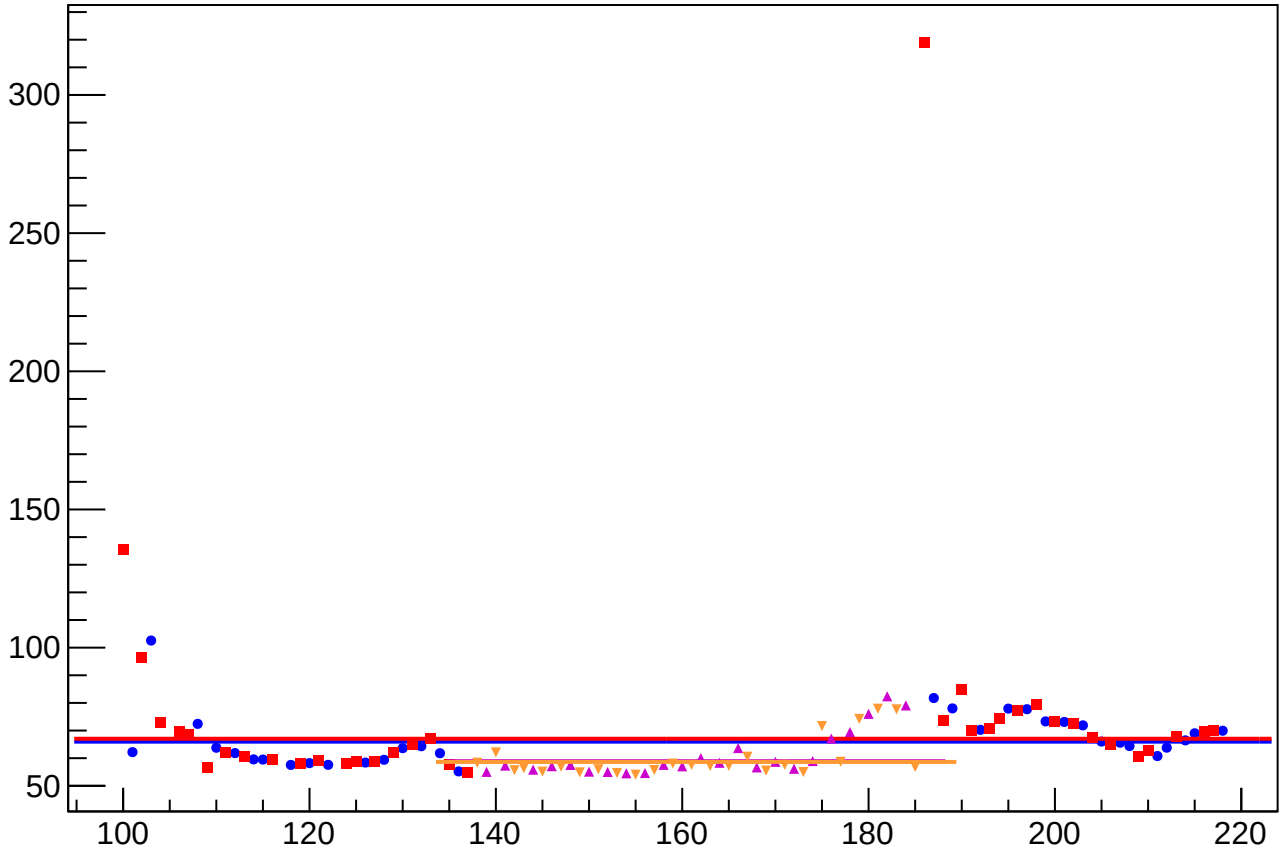
Left In: 186.567+/-13.860 χ^2/NDF:29.0/22

+ sign -166.102+/-9.943 χ^2/NDF: 96.0/56

All: -7.358+/-7.110 χ^2/NDF: 728.1/115

- sign 158.794+/-10.172 χ^2/NDF: 110.4/58

reg_asym_sam8_rms vs Slug



Right In: 65.988+/-0.010 χ^2/NDF: 520753.2/31

Left Out: 58.644+/-0.009 χ^2/NDF:393880.8/24

Right Out: 67.030+/-0.011 χ^2/NDF: 1053412.5/35

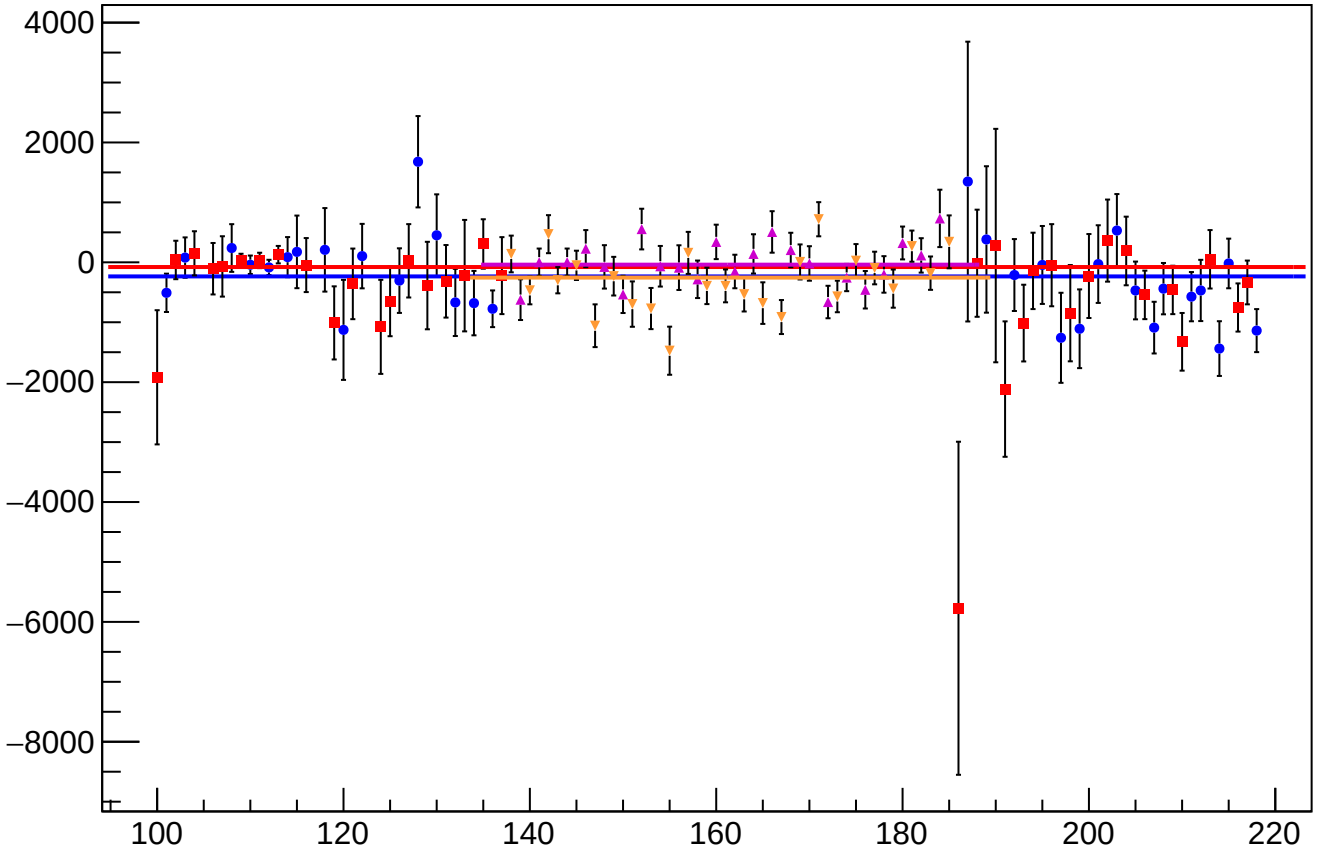
Left In: 58.906+/-0.010 χ^2/NDF:386820.4/22

+ sign 61.956+/-0.007 χ^2/NDF: 1184794.0/56

All: 62.297+/-0.005 χ^2/NDF: 2946835.2/115

- sign 62.654+/-0.007 χ^2/NDF: 1757222.1/58

asym_sam8_reg_correction_mean vs Slug



Right In: -235.124+/-65.852 χ^2/NDF: 46.0/31

Left Out: -254.628+/-58.877 χ^2/NDF:57.6/24

Right Out: -78.552+/-57.993 χ^2/NDF: 36.9/35

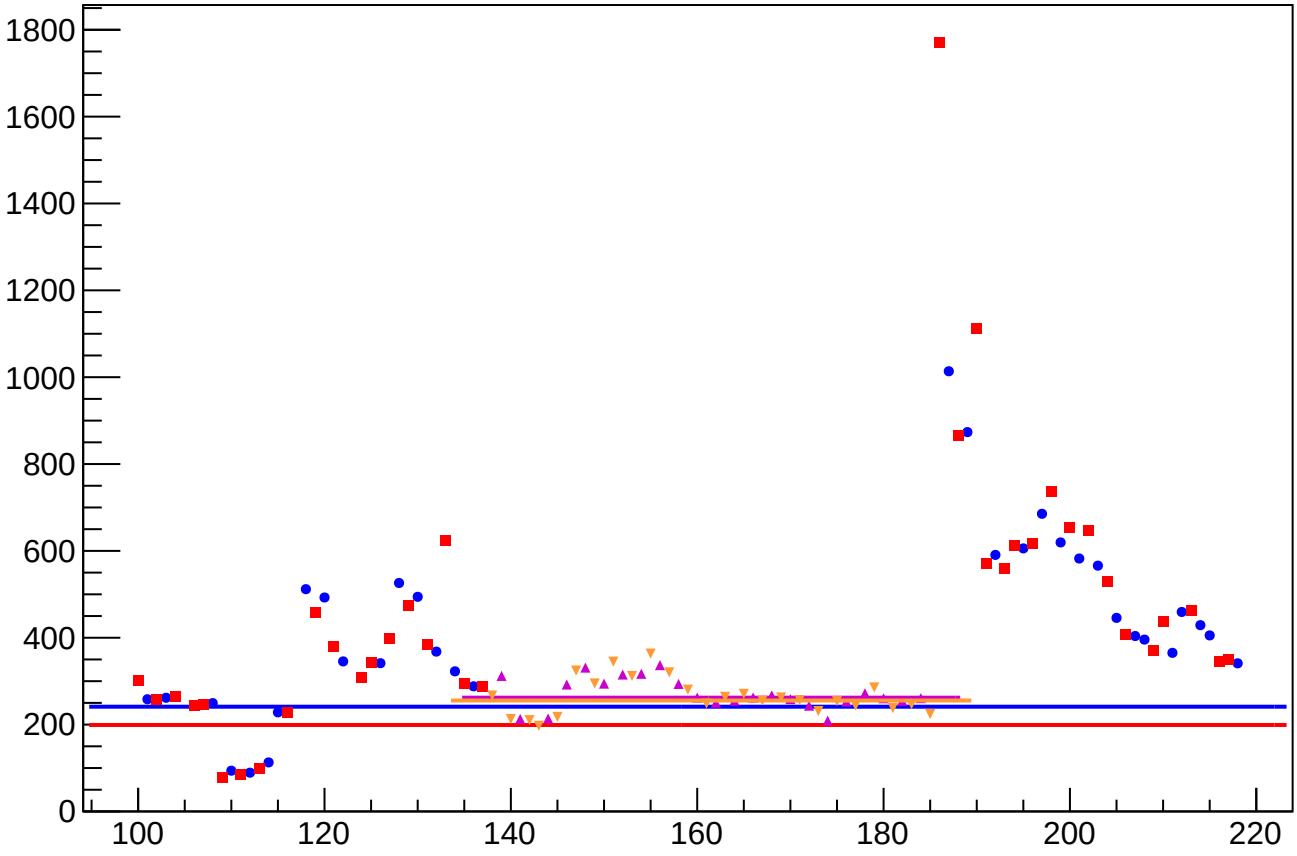
Left In: -39.147+/-61.883 χ^2/NDF:28.3/22

+ sign -245.964+/-43.892 χ^2/NDF: 103.7/56

All: -149.649+/-30.464 χ^2/NDF: 178.5/115

- sign -60.127+/-42.316 χ^2/NDF: 65.5/58

asym_sam8_reg_correction_rms vs Slug



Right In: 241.229+/-0.047 χ^2/NDF: 13180667.6/31

Left Out: 255.469+/-0.042 χ^2/NDF:863866.8/24

Right Out: 199.115+/-0.041 χ^2/NDF: 17340204.1/35

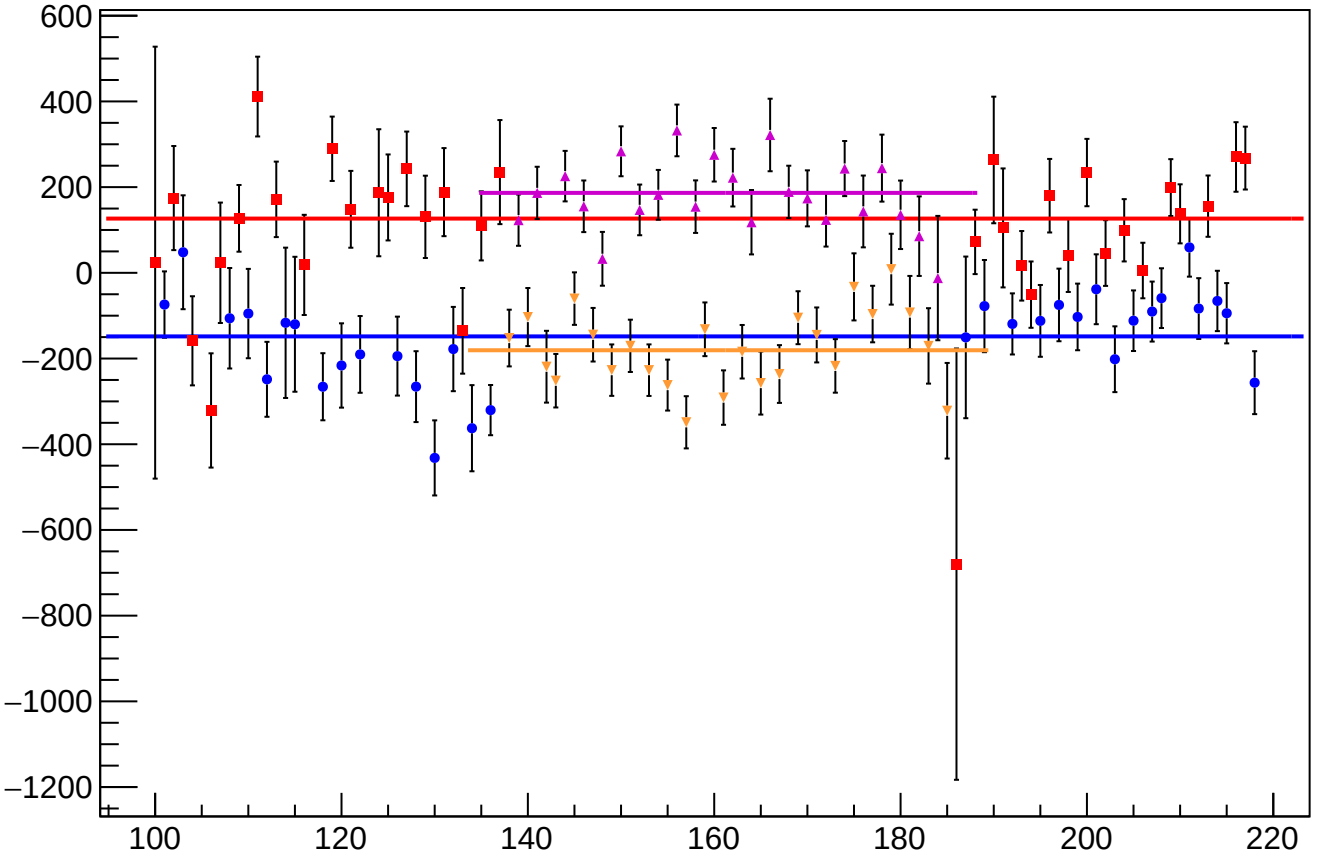
Left In: 262.007+/-0.044 χ^2/NDF:670576.2/22

+ sign 249.143+/-0.031 χ^2/NDF: 14096510.8/56

All: 238.456+/-0.022 χ^2/NDF: 33435912.9/11

- sign 228.523+/-0.030 χ^2/NDF: 19110617.0/58

cor_asym_sam8_mean vs Slug



Right In: -148.350+/-14.806 χ^2/NDF: 54.8/31

Left Out: -180.680+/-13.419 χ^2/NDF:38.6/24

Right Out: 126.594+/-14.980 χ^2/NDF: 72.3/35

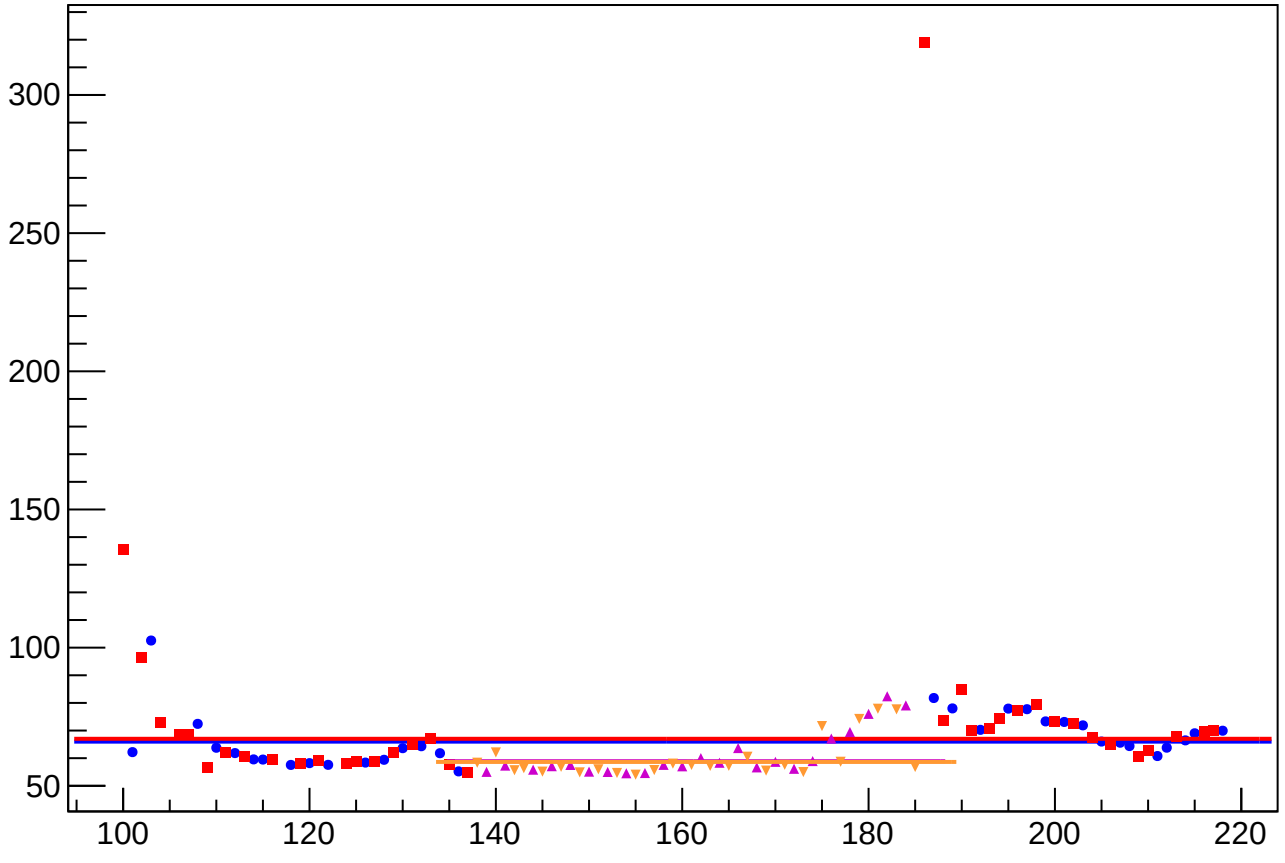
Left In: 186.567+/-13.860 χ^2/NDF:29.0/22

+ sign -166.100+/-9.943 χ^2/NDF: 96.0/56

All: -7.320+/-7.111 χ^2/NDF: 728.0/115

- sign 158.906+/-10.173 χ^2/NDF: 110.0/58

cor_asym_sam8_rms vs Slug



Right In: 65.988+/-0.010 χ^2/NDF: 520755.6/31

Left Out: 58.644+/-0.009 χ^2/NDF:393880.8/24

Right Out: 67.014+/-0.011 χ^2/NDF: 1053045.6/35

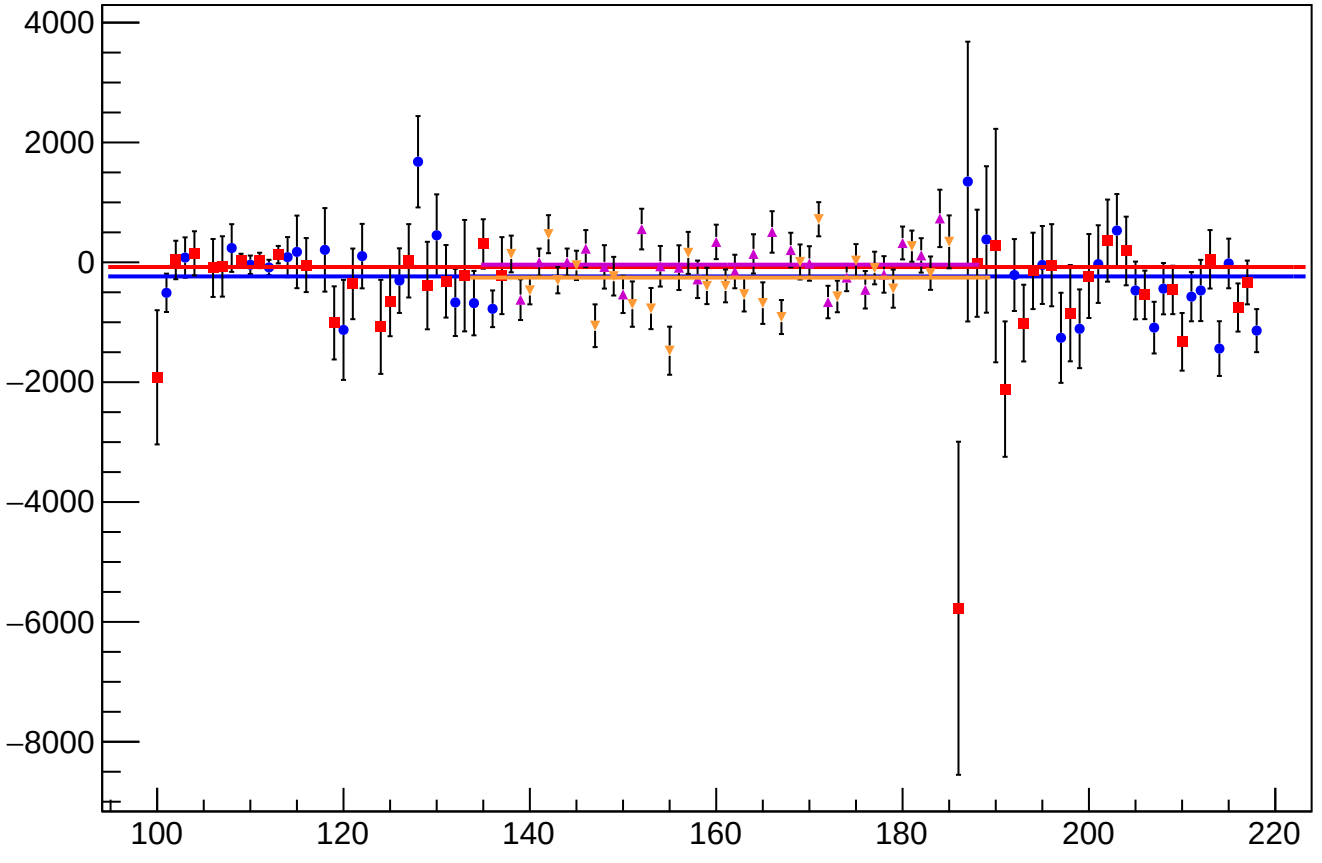
Left In: 58.906+/-0.010 χ^2/NDF:386820.4/22

+ sign 61.956+/-0.007 χ^2/NDF: 1184796.5/56

All: 62.293+/-0.005 χ^2/NDF: 2945047.1/115

- sign 62.646+/-0.007 χ^2/NDF: 1755545.1/58

asym_sam8_cor_correction_mean vs Slug



Right In: -235.113+/-65.852 χ^2/NDF: 46.0/31

Left Out: -254.625+/-58.877 χ^2/NDF:57.6/24

Right Out: -78.285+/-58.107 χ^2/NDF: 36.9/35

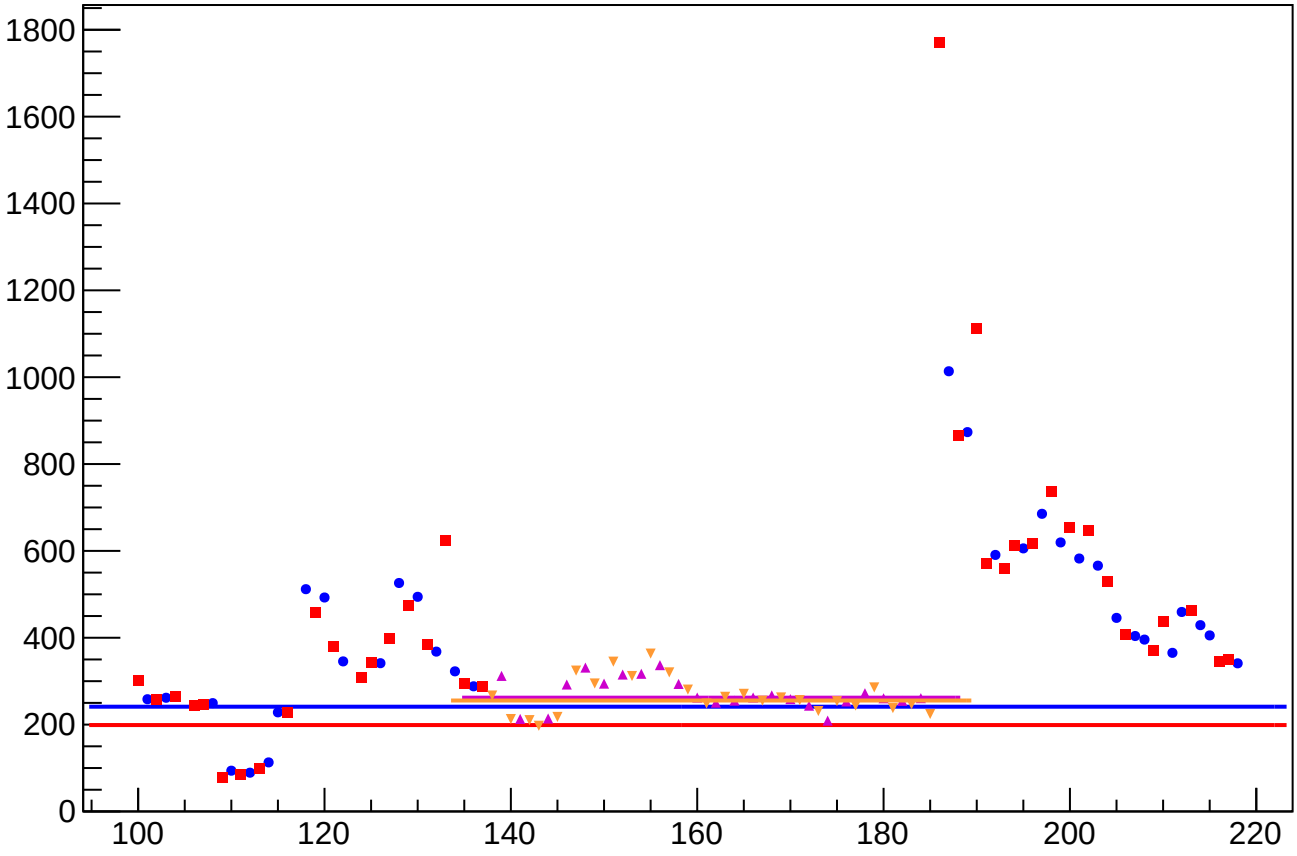
Left In: -39.144+/-61.883 χ^2/NDF:28.3/22

+ sign -245.957+/-43.892 χ^2/NDF: 103.7/56

All: -149.648+/-30.480 χ^2/NDF: 178.5/115

- sign -59.945+/-42.360 χ^2/NDF: 65.5/58

asym_sam8_cor_correction_rms vs Slug



Right In: 241.230+/-0.047 χ^2/NDF: 13180686.8/31

Left Out: 255.469+/-0.042 χ^2/NDF:863867.3/24

Right Out: 198.947+/-0.041 χ^2/NDF: 17336278.5/35

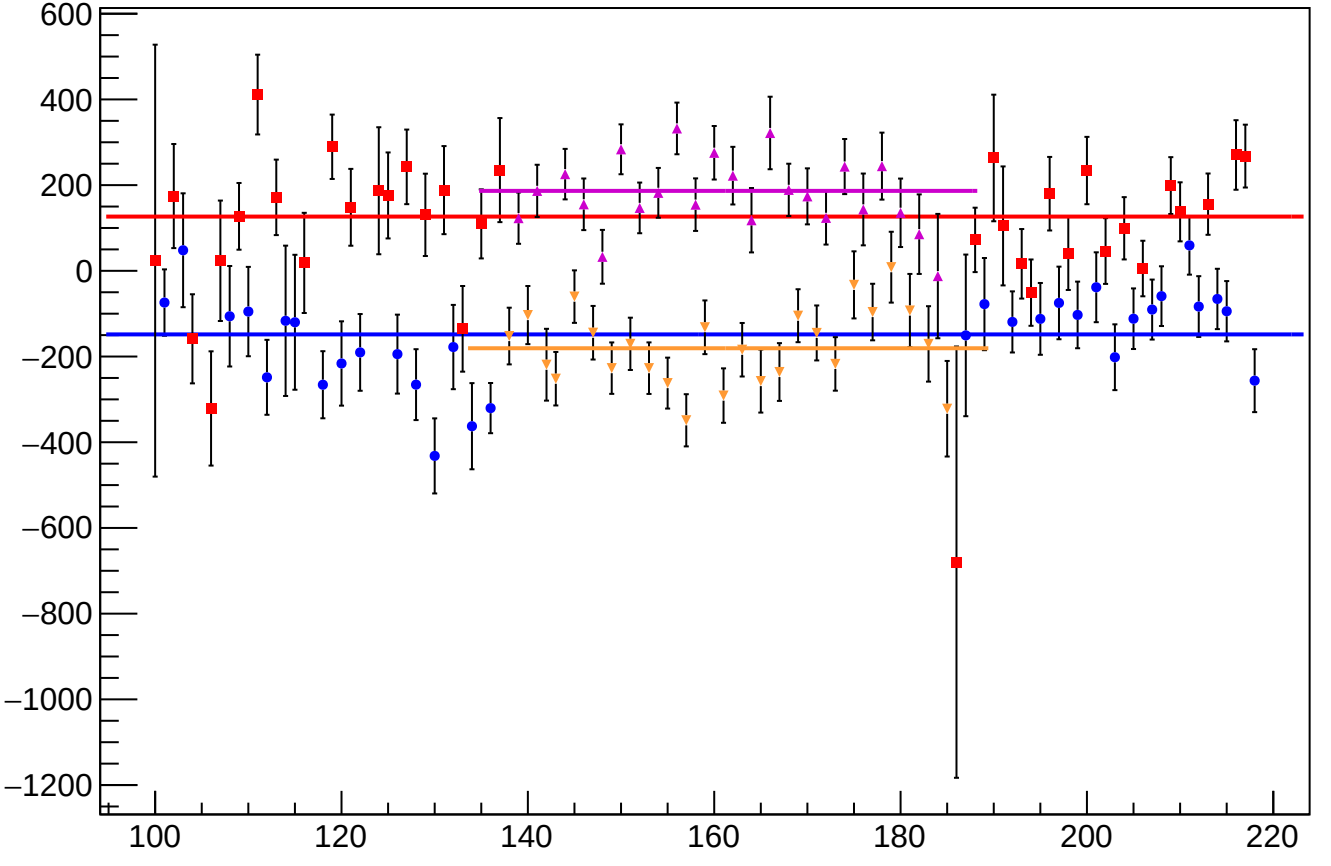
Left In: 262.007+/-0.044 χ^2/NDF:670574.8/22

+ sign 249.143+/-0.031 χ^2/NDF: 14096523.6/56

All: 238.452+/-0.022 χ^2/NDF: 33436289.4/11

- sign 228.494+/-0.030 χ^2/NDF: 19110574.4/58

eigen_cor_asym_sam8_mean vs Slug



Right In: -148.350+/-14.806 χ^2/NDF: 54.8/31

Left Out: -180.680+/-13.419 χ^2/NDF:38.6/24

Right Out: 126.594+/-14.980 χ^2/NDF: 72.3/35

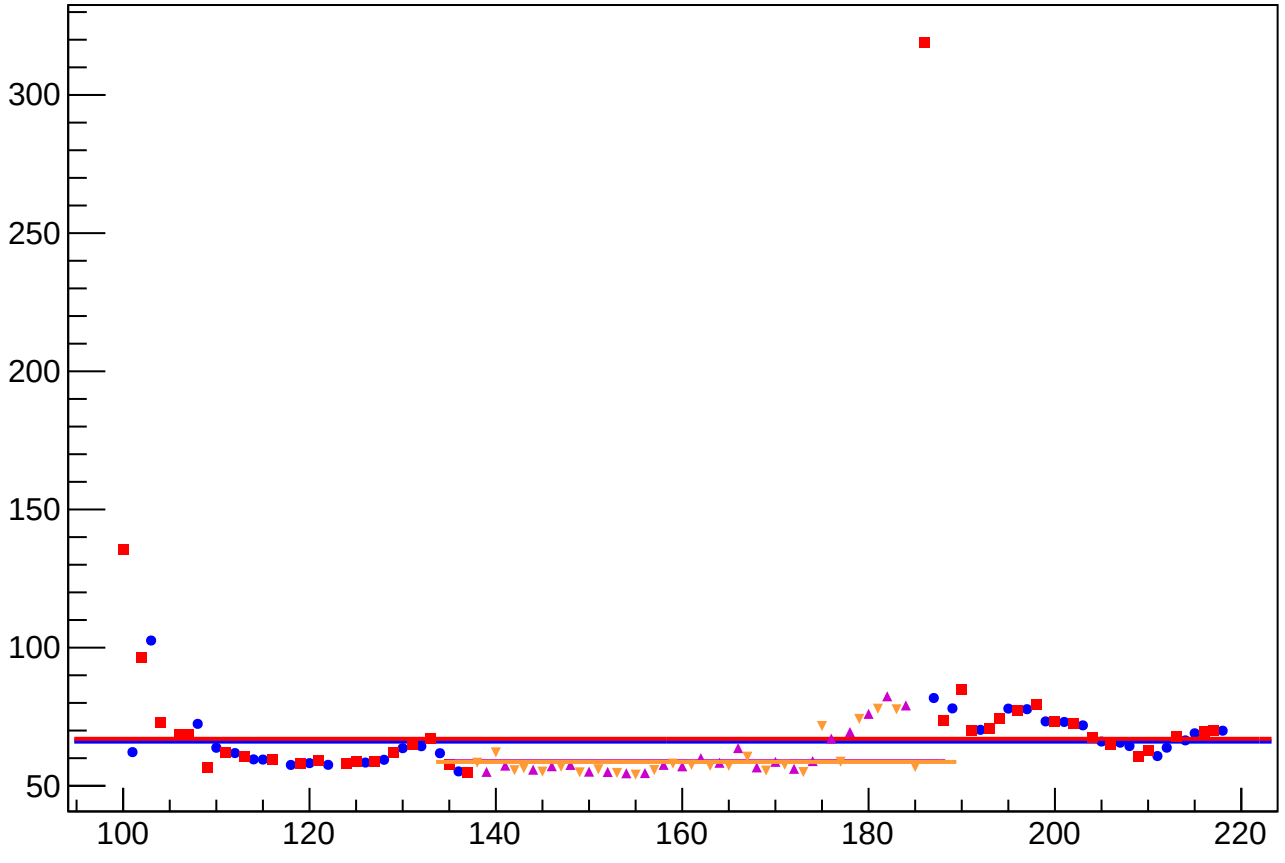
Left In: 186.567+/-13.860 χ^2/NDF:29.0/22

+ sign -166.100+/-9.943 χ^2/NDF: 96.0/56

All: -7.320+/-7.111 χ^2/NDF: 728.0/115

- sign 158.906+/-10.173 χ^2/NDF: 110.0/58

eigen_cor_asym_sam8_rms vs Slug



Right In: 65.988+/-0.010 χ^2/NDF: 520755.6/31

Left Out: 58.644+/-0.009 χ^2/NDF:393880.8/24

Right Out: 67.014+/-0.011 χ^2/NDF: 1053045.6/35

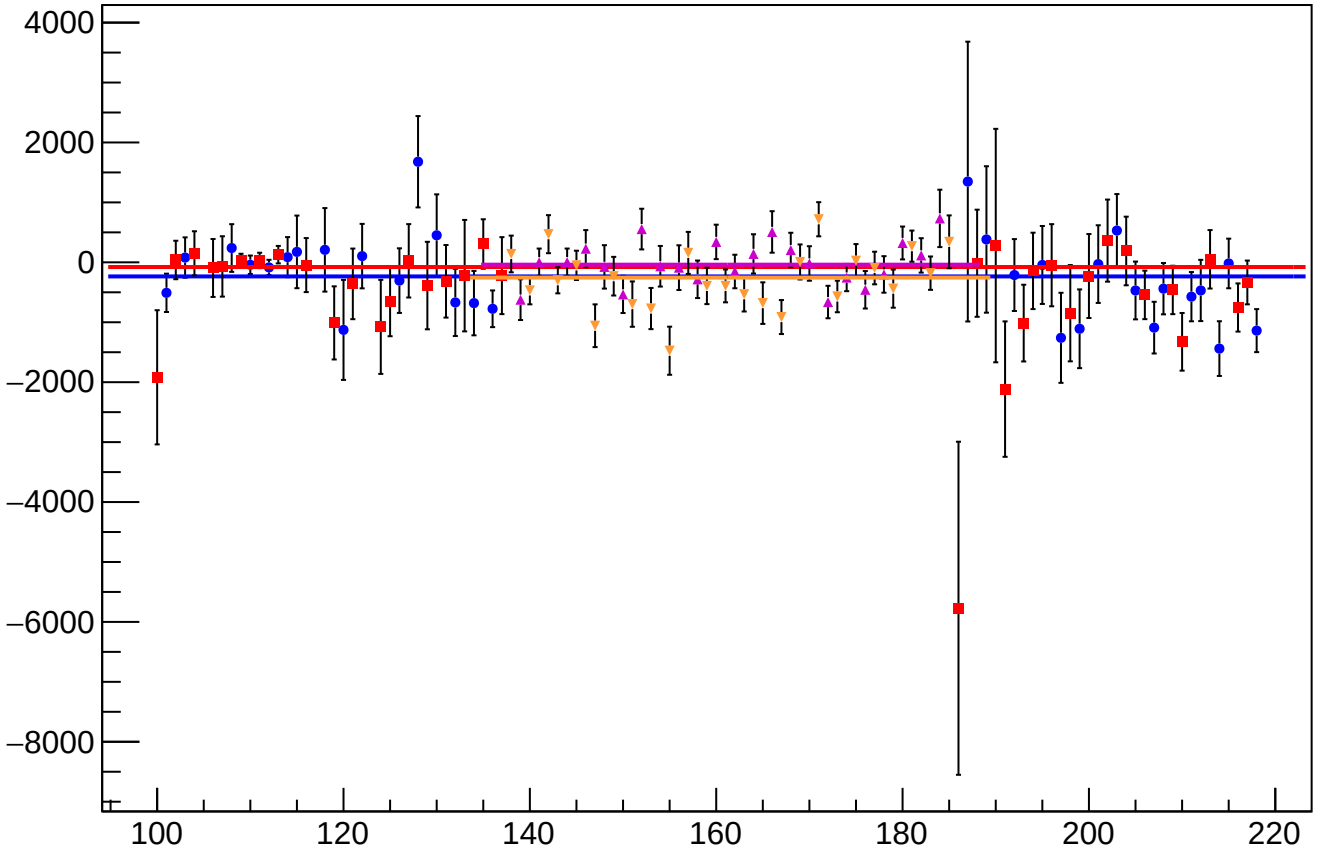
Left In: 58.906+/-0.010 χ^2/NDF:386820.4/22

+ sign 61.956+/-0.007 χ^2/NDF: 1184796.5/56

All: 62.293+/-0.005 χ^2/NDF: 2945047.1/115

- sign 62.646+/-0.007 χ^2/NDF: 1755545.1/58

asym_sam8_eigen_cor_correction_mean vs Slug



Right In: -235.113+/-65.852 χ^2/NDF: 46.0/31

Left Out: -254.625+/-58.877 χ^2/NDF:57.6/24

Right Out: -78.285+/-58.107 χ^2/NDF: 36.9/35

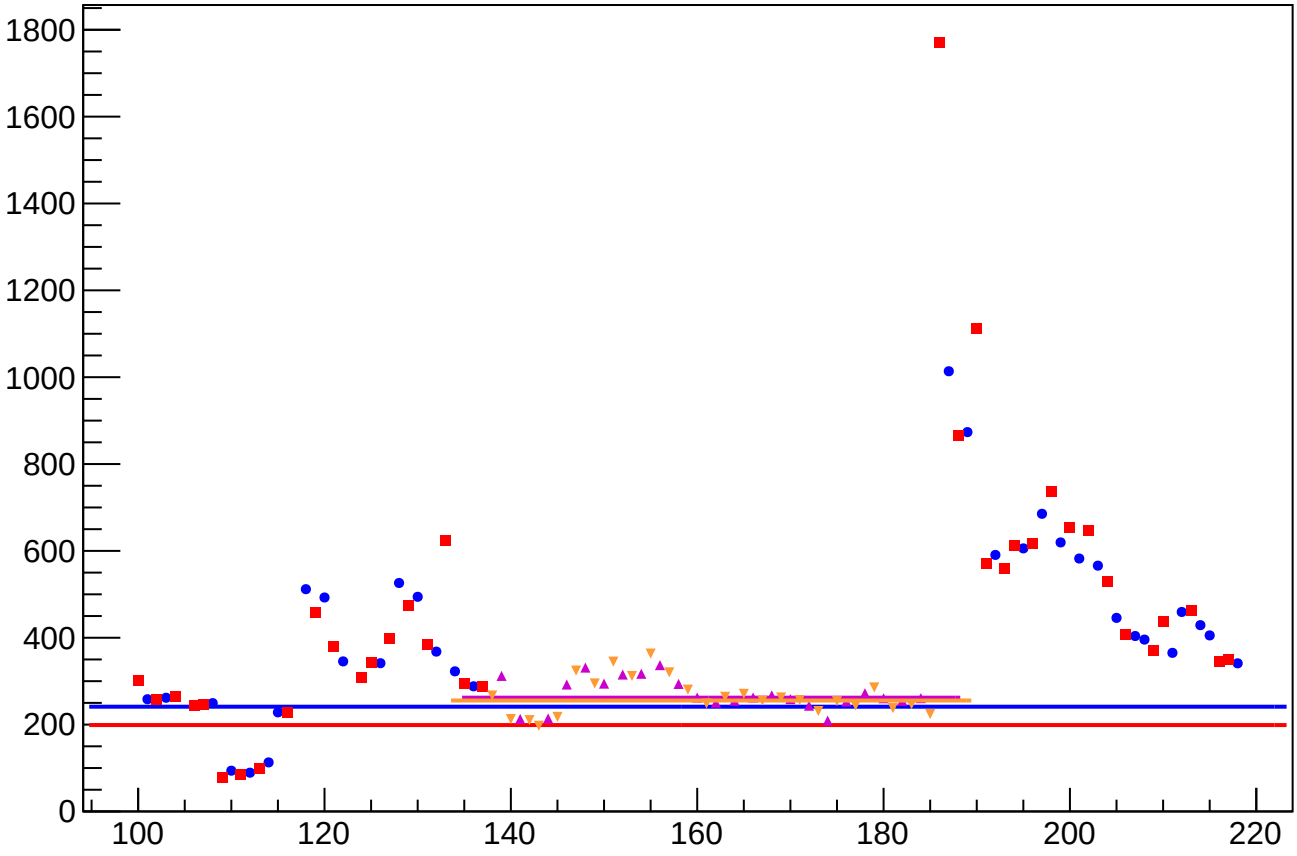
Left In: -39.144+/-61.883 χ^2/NDF:28.3/22

+ sign -245.957+/-43.892 χ^2/NDF: 103.7/56

All: -149.648+/-30.480 χ^2/NDF: 178.5/115

- sign -59.945+/-42.360 χ^2/NDF: 65.5/58

asym_sam8_eigen_cor_correction_rms vs Slug



Right In: 241.230+/-0.047 χ^2/NDF: 13180686.8/31

Left Out: 255.469+/-0.042 χ^2/NDF:863867.3/24

Right Out: 198.947+/-0.041 χ^2/NDF: 17336278.5/35

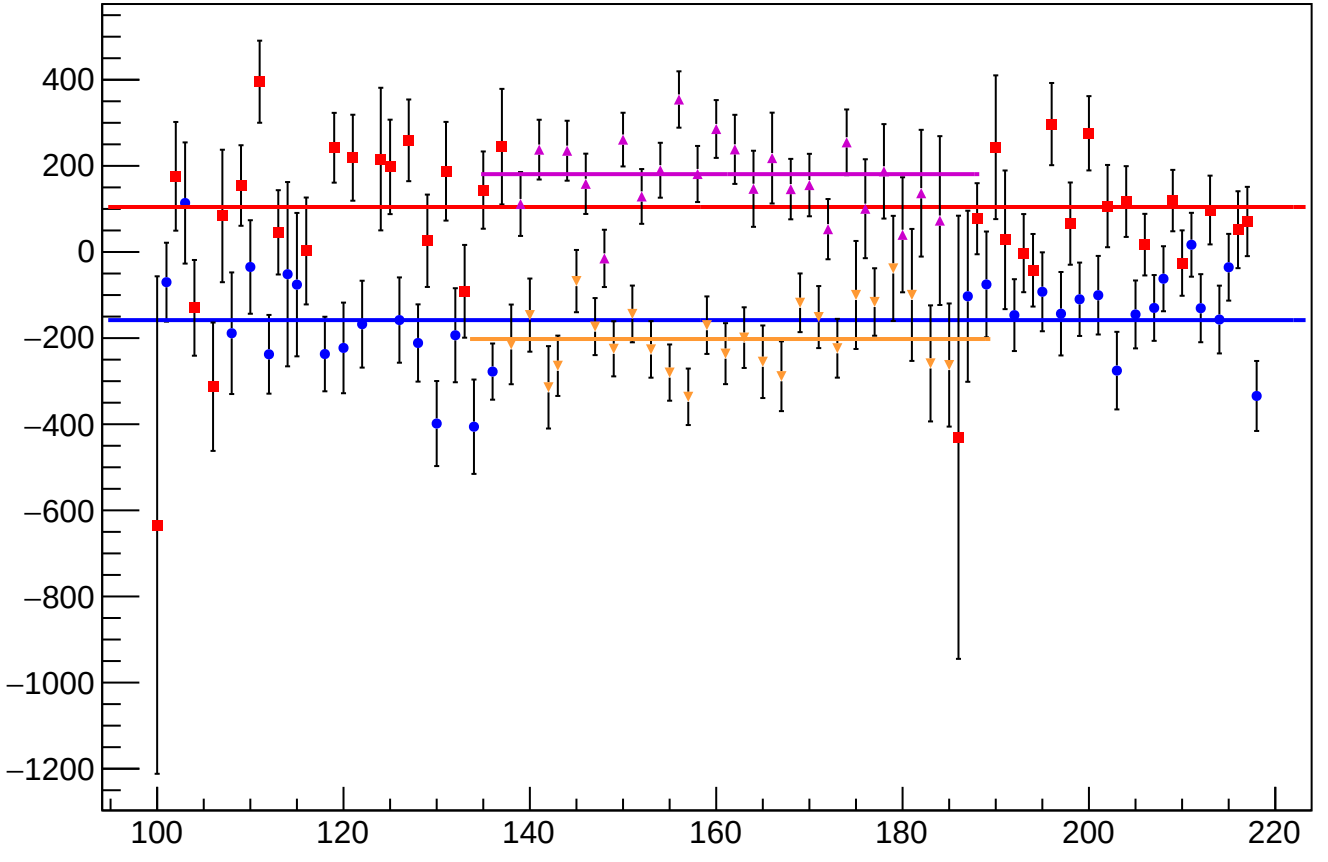
Left In: 262.007+/-0.044 χ^2/NDF:670574.8/22

+ sign 249.143+/-0.031 χ^2/NDF: 14096523.6/56

All: 238.452+/-0.022 χ^2/NDF: 33436289.4/11

- sign 228.494+/-0.030 χ^2/NDF: 19110574.4/58

dit_asym_sam8_mean vs Slug



Right In: -158.209+/-16.428 χ^2/NDF: 41.5/31

Left Out: -202.090+/-15.538 χ^2/NDF:21.5/24

Right Out: 104.493+/-16.573 χ^2/NDF: 58.3/35

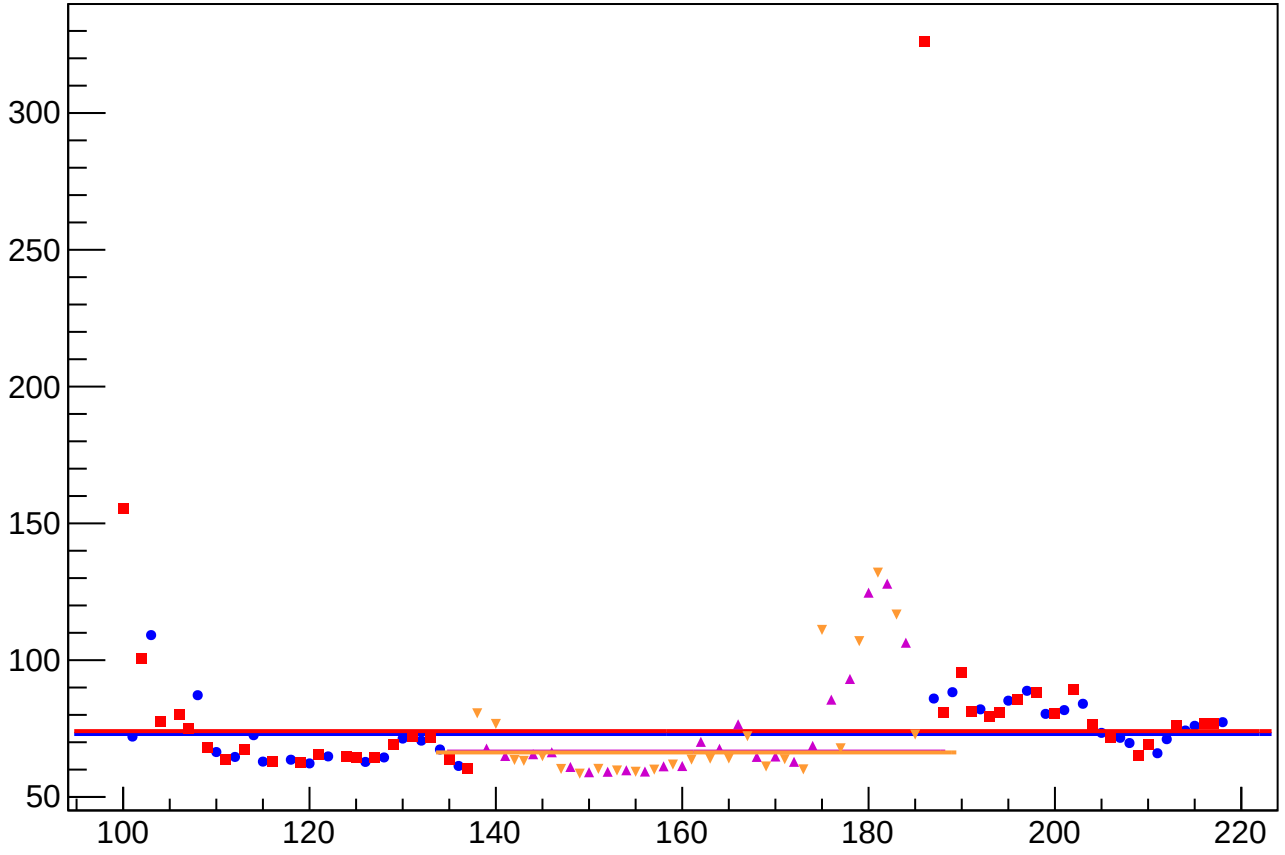
Left In: 180.784+/-16.019 χ^2/NDF:30.1/22

+ sign -181.370+/-11.288 χ^2/NDF: 66.8/56

All: -21.992+/-8.062 χ^2/NDF: 573.0/115

- sign 143.935+/-11.518 χ^2/NDF: 99.4/58

dit_asym_sam8_rms vs Slug



Right In: 73.008+/-0.012 χ^2/NDF: 599503.2/31

Left Out: 66.279+/-0.011 χ^2/NDF:1393879.2/24

Right Out: 74.065+/-0.012 χ^2/NDF: 1073510.0/35

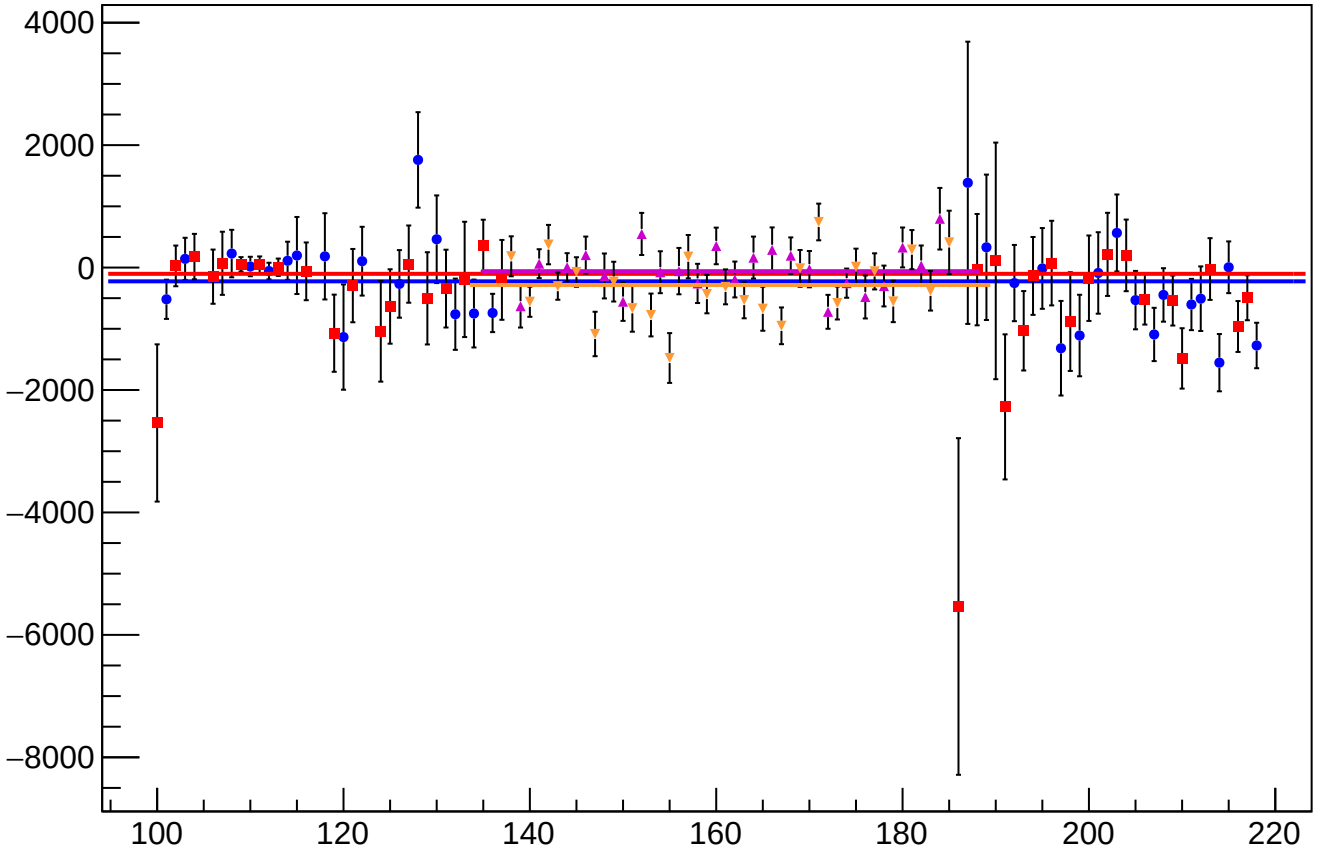
Left In: 66.585+/-0.011 χ^2/NDF:1158238.0/22

+ sign 69.456+/-0.008 χ^2/NDF: 2170507.4/56

All: 69.820+/-0.006 χ^2/NDF: 4617084.5/115

- sign 70.198+/-0.008 χ^2/NDF: 2442348.1/58

asym_sam8_dit_correction_mean vs Slug



Right In: -225.029+/-67.777 χ^2/NDF: 50.8/31

Left Out: -284.450+/-61.727 χ^2/NDF:54.6/24

Right Out: -102.290+/-59.627 χ^2/NDF: 40.5/35

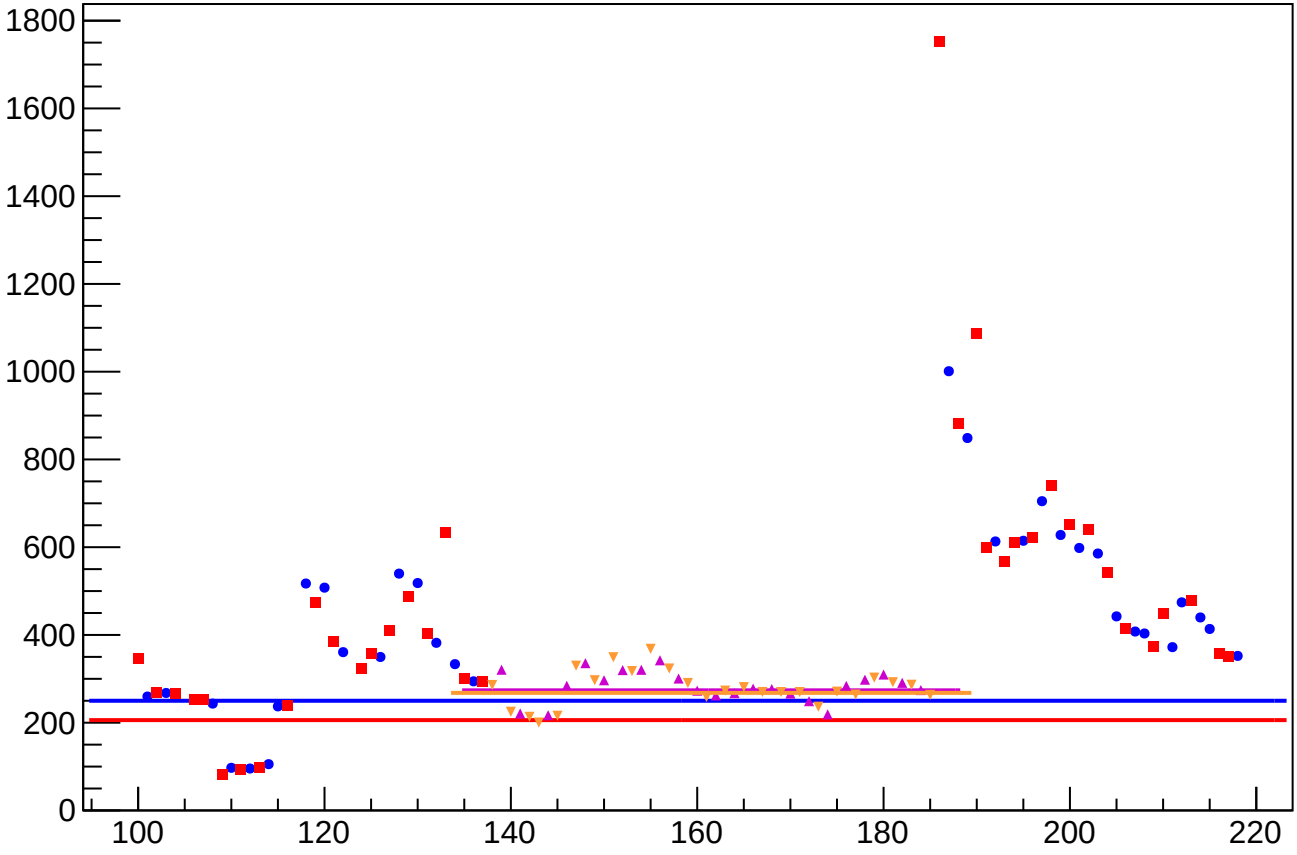
Left In: -59.160+/-64.636 χ^2/NDF:26.8/22

+ sign -257.509+/-45.637 χ^2/NDF: 105.8/56

All: -166.445+/-31.611 χ^2/NDF: 181.0/115

- sign -82.461+/-43.827 χ^2/NDF: 67.6/58

asym_sam8_dit_correction_rms vs Slug



Right In: 250.008+/-0.048 χ^2/NDF: 12856604.7/31

Left Out: 267.985+/-0.044 χ^2/NDF:862786.9/24

Right Out: 205.883+/-0.042 χ^2/NDF: 17077729.5/35

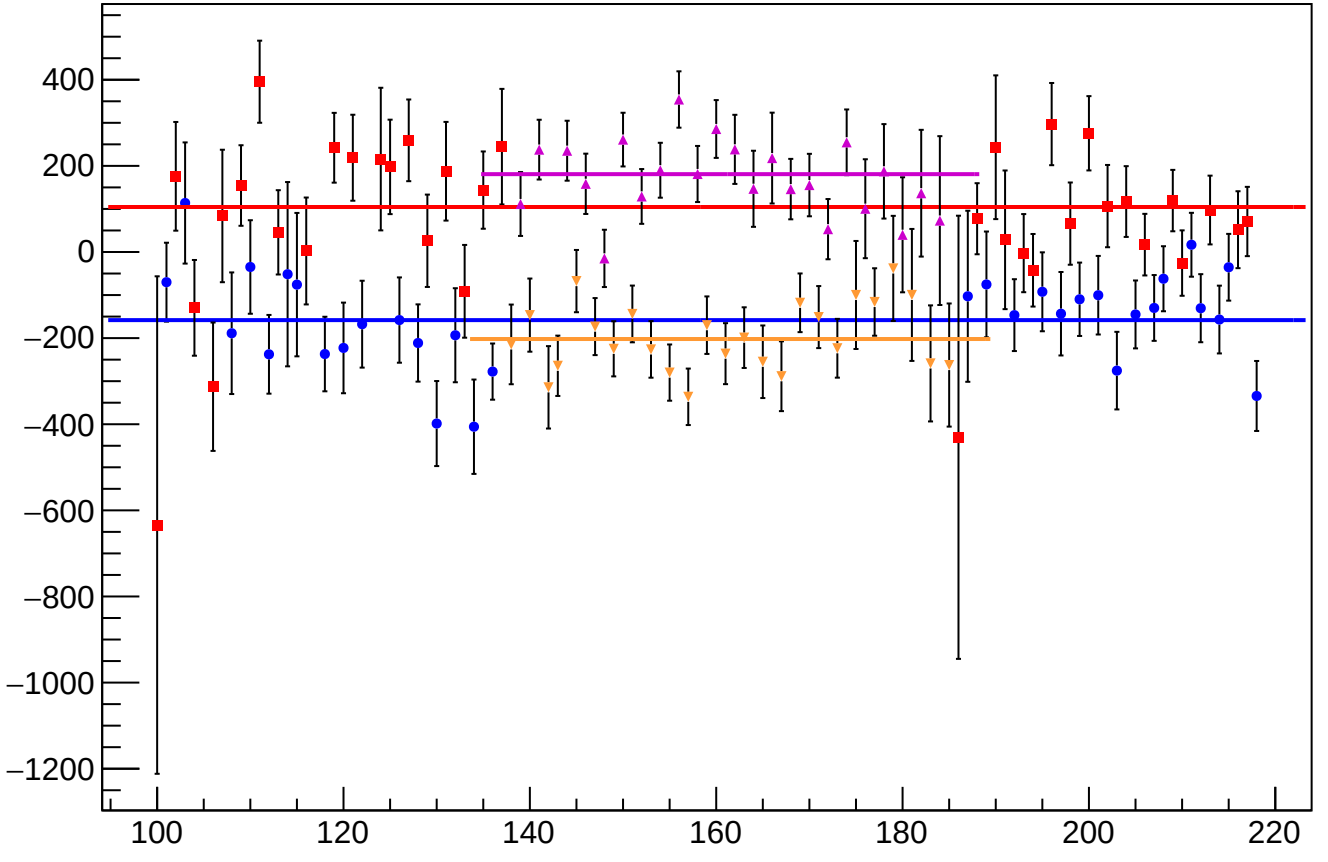
Left In: 273.751+/-0.046 χ^2/NDF:650295.5/22

+ sign 259.835+/-0.032 χ^2/NDF: 13796303.1/56

All: 248.000+/-0.022 χ^2/NDF: 32974085.6/11

- sign 237.086+/-0.031 χ^2/NDF: 18919249.3/58

eigen_dit_asym_sam8_mean vs Slug



Right In: -158.208+/-16.428 χ^2/NDF: 41.5/31

Left Out: -202.090+/-15.538 χ^2/NDF:21.5/24

Right Out: 104.495+/-16.573 χ^2/NDF: 58.3/35

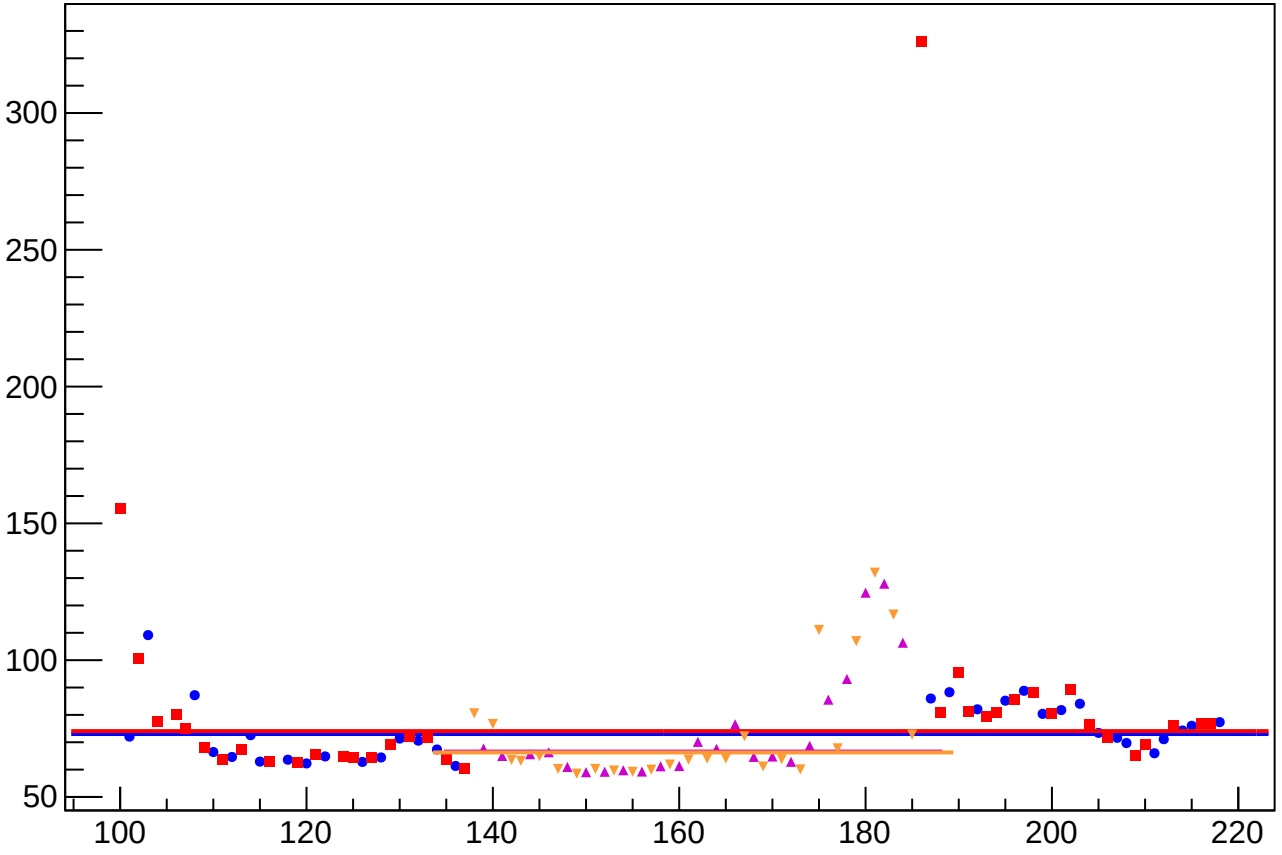
Left In: 180.785+/-16.019 χ^2/NDF:30.1/22

+ sign -181.370+/-11.288 χ^2/NDF: 66.8/56

All: -21.991+/-8.062 χ^2/NDF: 573.0/115

- sign 143.936+/-11.518 χ^2/NDF: 99.4/58

eigen_dit_asym_sam8_rms vs Slug



Right In: 73.008+/-0.012 χ^2/NDF: 599507.1/31

Left Out: 66.279+/-0.011 χ^2/NDF:1393881.3/24

Right Out: 74.065+/-0.012 χ^2/NDF: 1073514.7/35

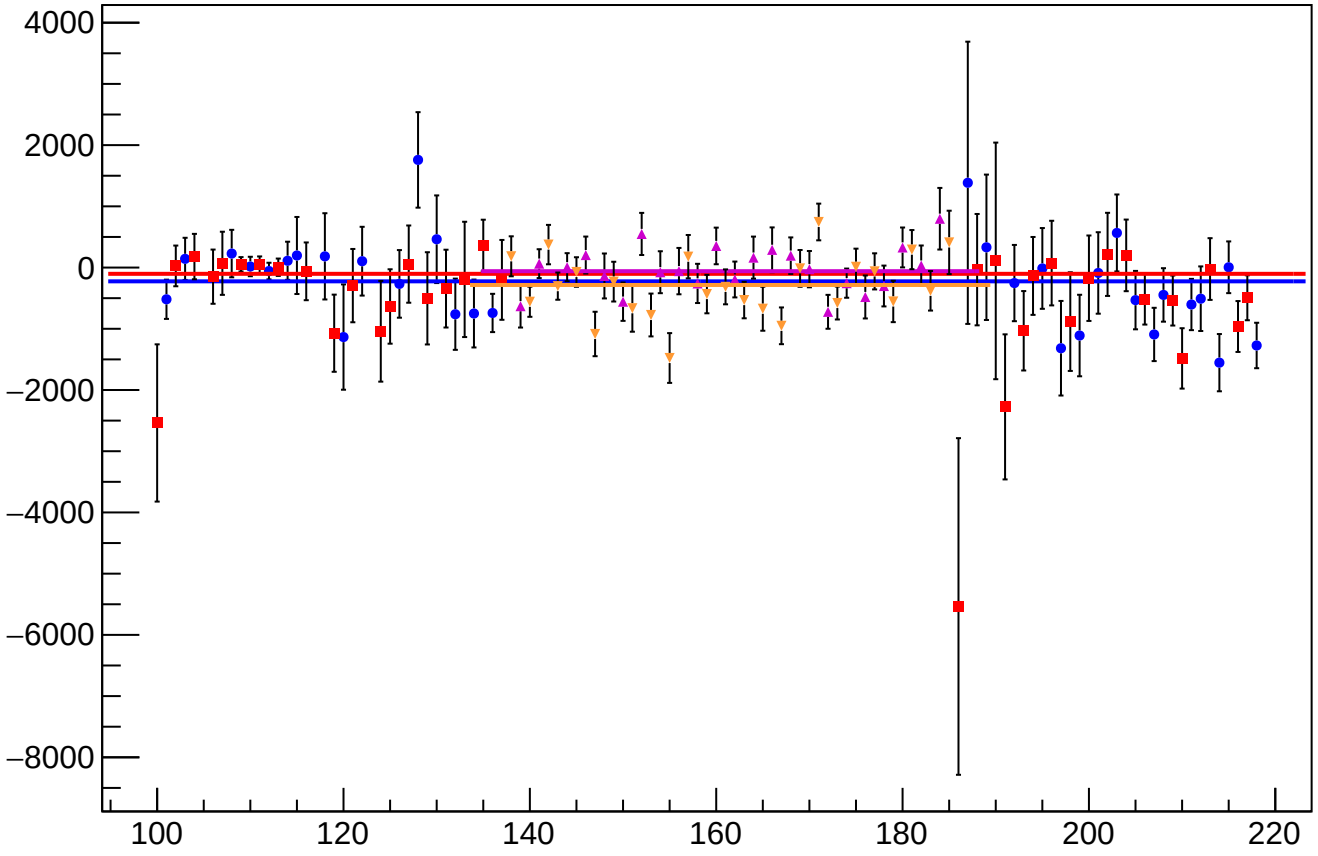
Left In: 66.585+/-0.011 χ^2/NDF:1158231.7/22

+ sign 69.456+/-0.008 χ^2/NDF: 2170505.2/56

All: 69.820+/-0.006 χ^2/NDF: 4617069.2/115

- sign 70.198+/-0.008 χ^2/NDF: 2442335.0/58

asym_sam8_eigen_dit_correction_mean vs Slug



Right In: -225.026+/-67.776 χ^2/NDF: 50.8/31

Left Out: -284.450+/-61.727 χ^2/NDF:54.6/24

Right Out: -102.289+/-59.627 χ^2/NDF: 40.5/35

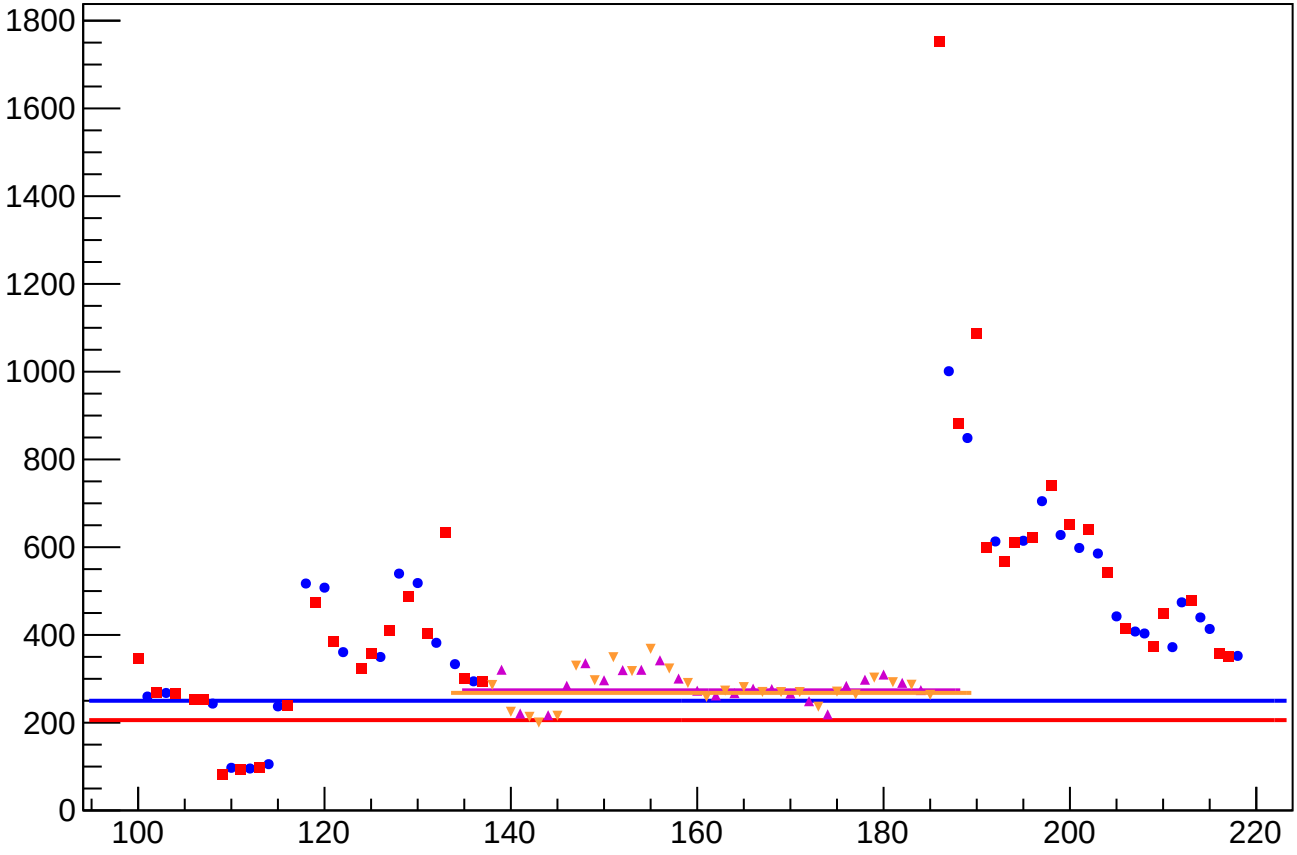
Left In: -59.160+/-64.636 χ^2/NDF:26.8/22

+ sign -257.508+/-45.637 χ^2/NDF: 105.8/56

All: -166.444+/-31.611 χ^2/NDF: 181.0/115

- sign -82.460+/-43.827 χ^2/NDF: 67.6/58

asym_sam8_eigen_dit_correction_rms vs Slug



Right In: 250.007+/-0.048 χ^2/NDF: 12856696.7/31

Left Out: 267.985+/-0.044 χ^2/NDF:862797.1/24

Right Out: 205.882+/-0.042 χ^2/NDF: 17077724.9/35

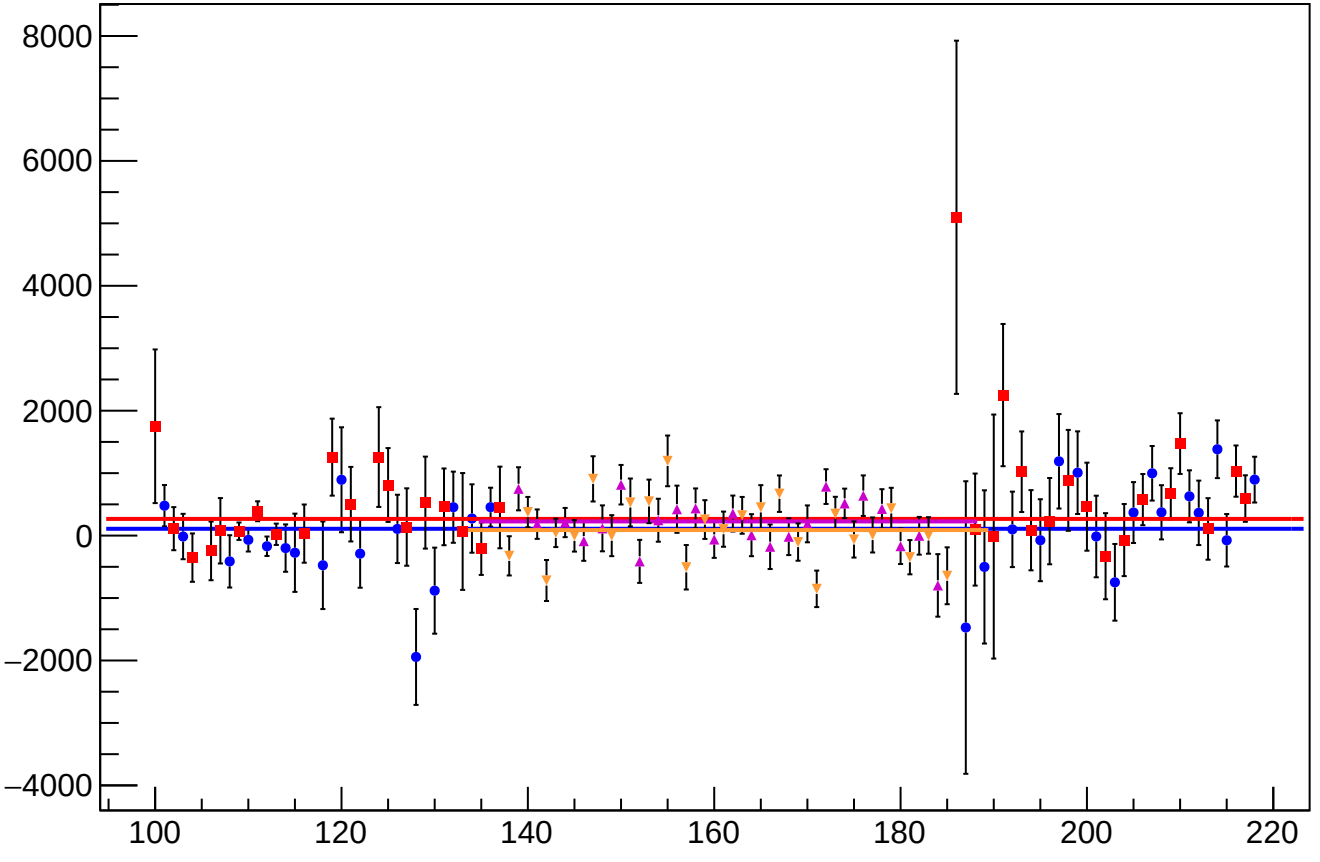
Left In: 273.750+/-0.046 χ^2/NDF:650300.9/22

+ sign 259.833+/-0.032 χ^2/NDF: 13796412.6/56

All: 247.999+/-0.022 χ^2/NDF: 32974173.6/11

- sign 237.085+/-0.031 χ^2/NDF: 18919240.9/58

asym_sam8_mean vs Slug



Right In: 109.009+/-72.652 χ^2/NDF: 46.7/31

Left Out: 88.397+/-60.666 χ^2/NDF:52.2/24

Right Out: 267.295+/-65.783 χ^2/NDF: 38.5/35

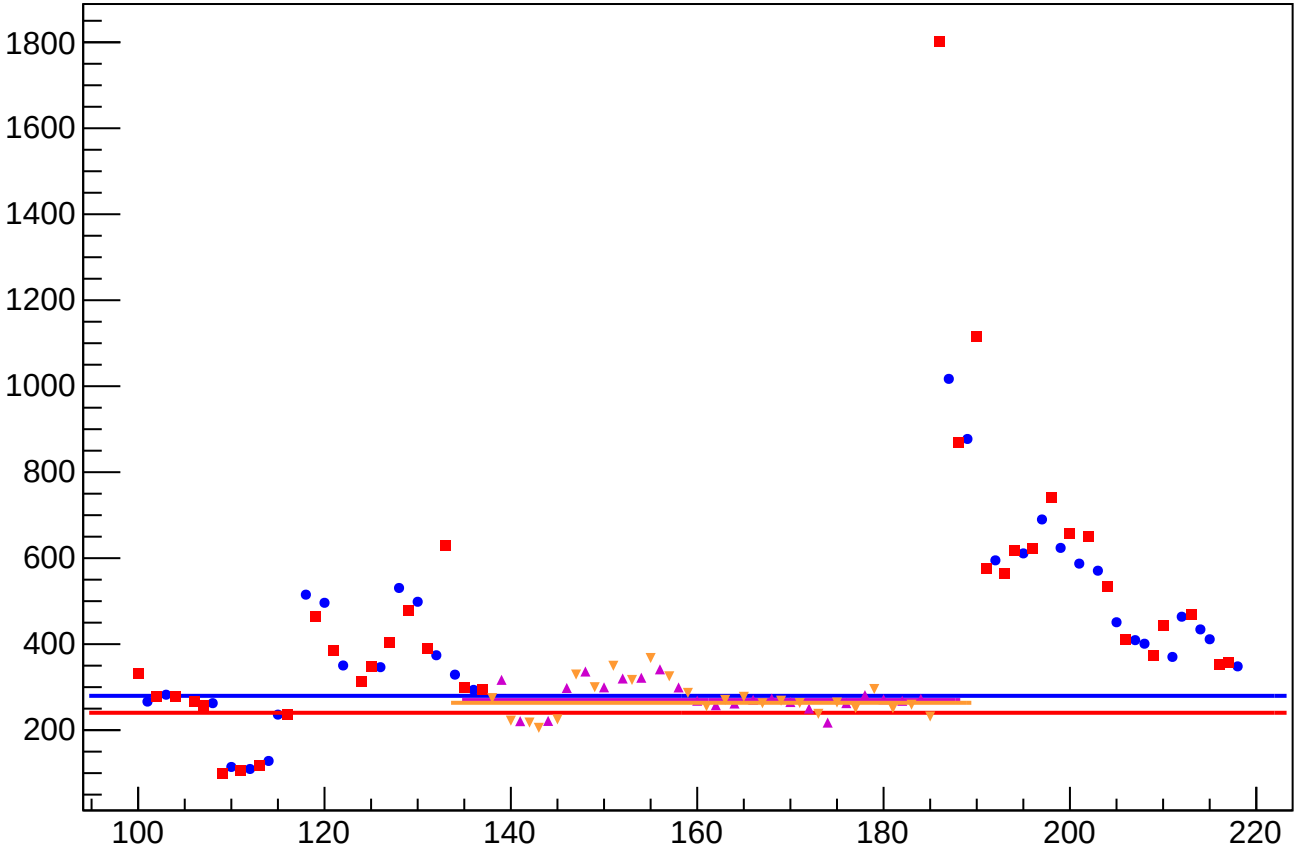
Left In: 226.867+/-63.677 χ^2/NDF:28.8/22

\+ sign 96.865+/-46.566 χ^2/NDF: 99.0/56

All: 172.962+/-32.636 χ^2/NDF: 171.7/115

\- sign 246.423+/-45.753 χ^2/NDF: 67.5/58

asym_sam8_rms vs Slug



Right In: 279.783+/-0.051 χ^2/NDF: 10370001.8/31

Left Out: 263.593+/-0.043 χ^2/NDF:779853.4/24

Right Out: 240.378+/-0.047 χ^2/NDF: 14259941.1/35

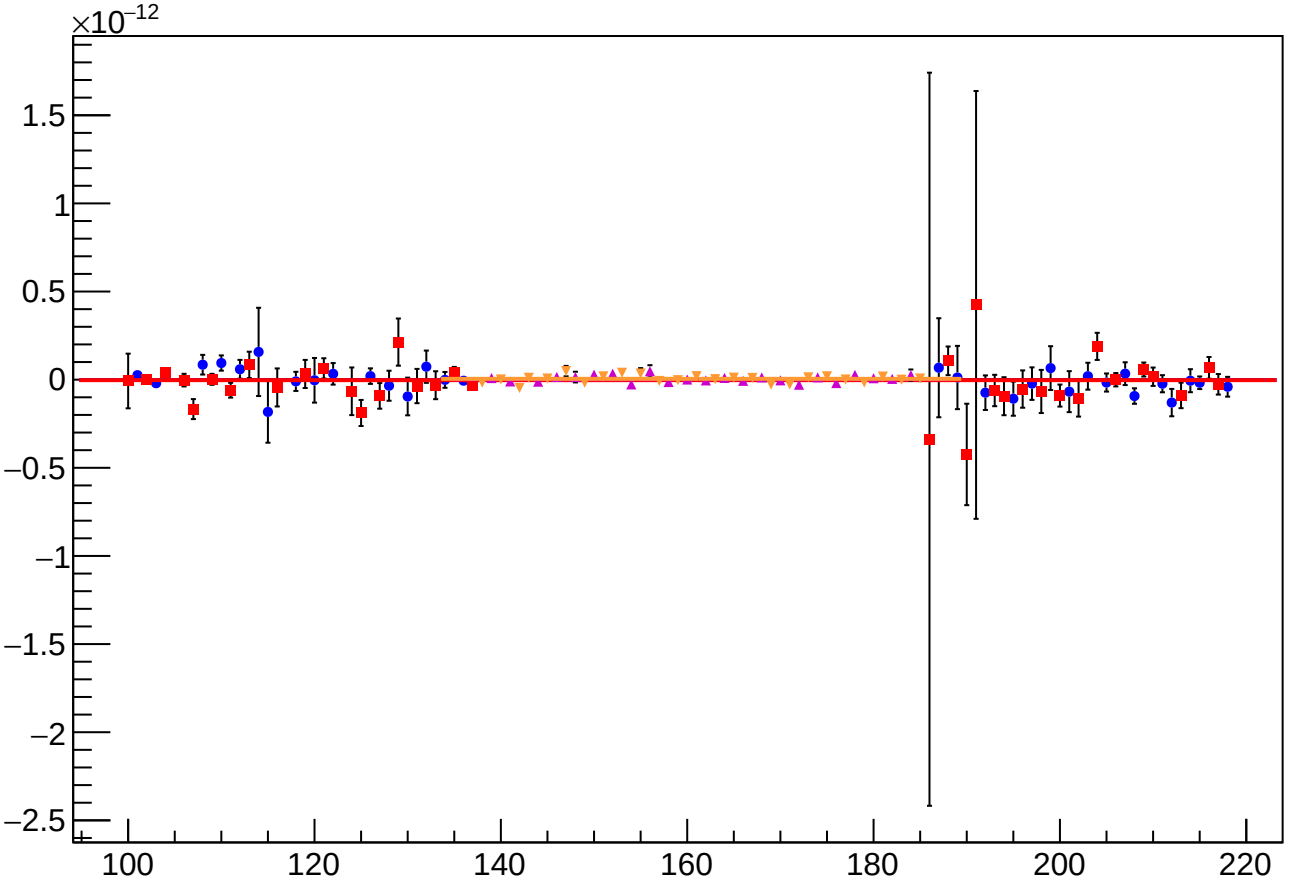
Left In: 269.898+/-0.045 χ^2/NDF:602244.3/22

+ sign 270.244+/-0.033 χ^2/NDF: 11208374.9/56

All: 262.802+/-0.023 χ^2/NDF: 26378865.4/11

- sign 255.618+/-0.032 χ^2/NDF: 15070101.4/58

asym_sam8_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 25.5/31

Left Out: 0.000+/-0.000 χ^2/NDF:27.9/24

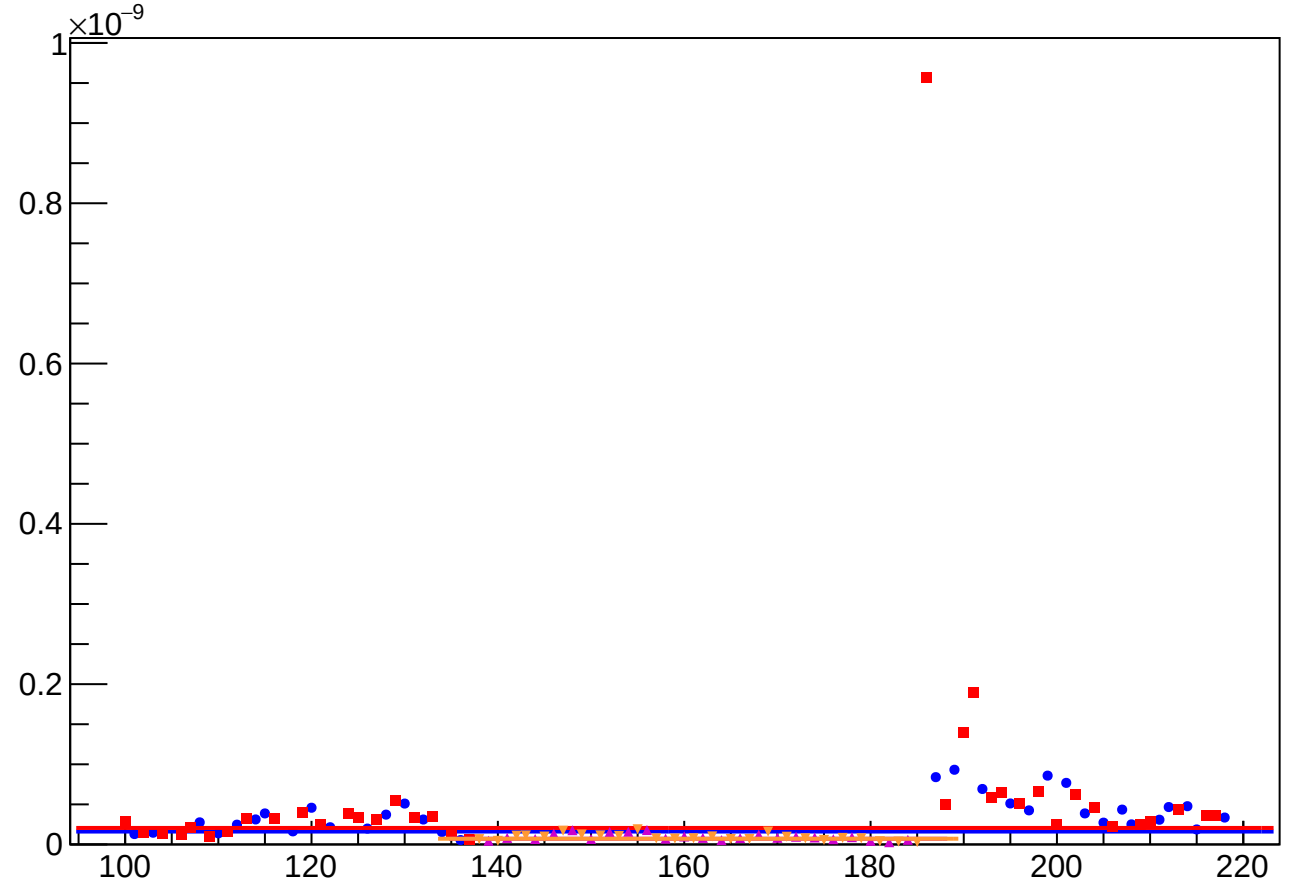
Right Out: -0.000+/-0.000 χ^2/NDF: 50.8/35

Left In: 0.000+/-0.000 χ^2/NDF:21.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 54.1/56

All: 0.000+/-0.000 χ^2/NDF: 127.0/115

- sign 0.000+/-0.000 χ^2/NDF: 72.7/58



Right In: 0.000+/-0.000 χ^2/NDF: 7017857.9/31

Left Out: 0.000+/-0.000 χ^2/NDF:1952087.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5210131.5/35

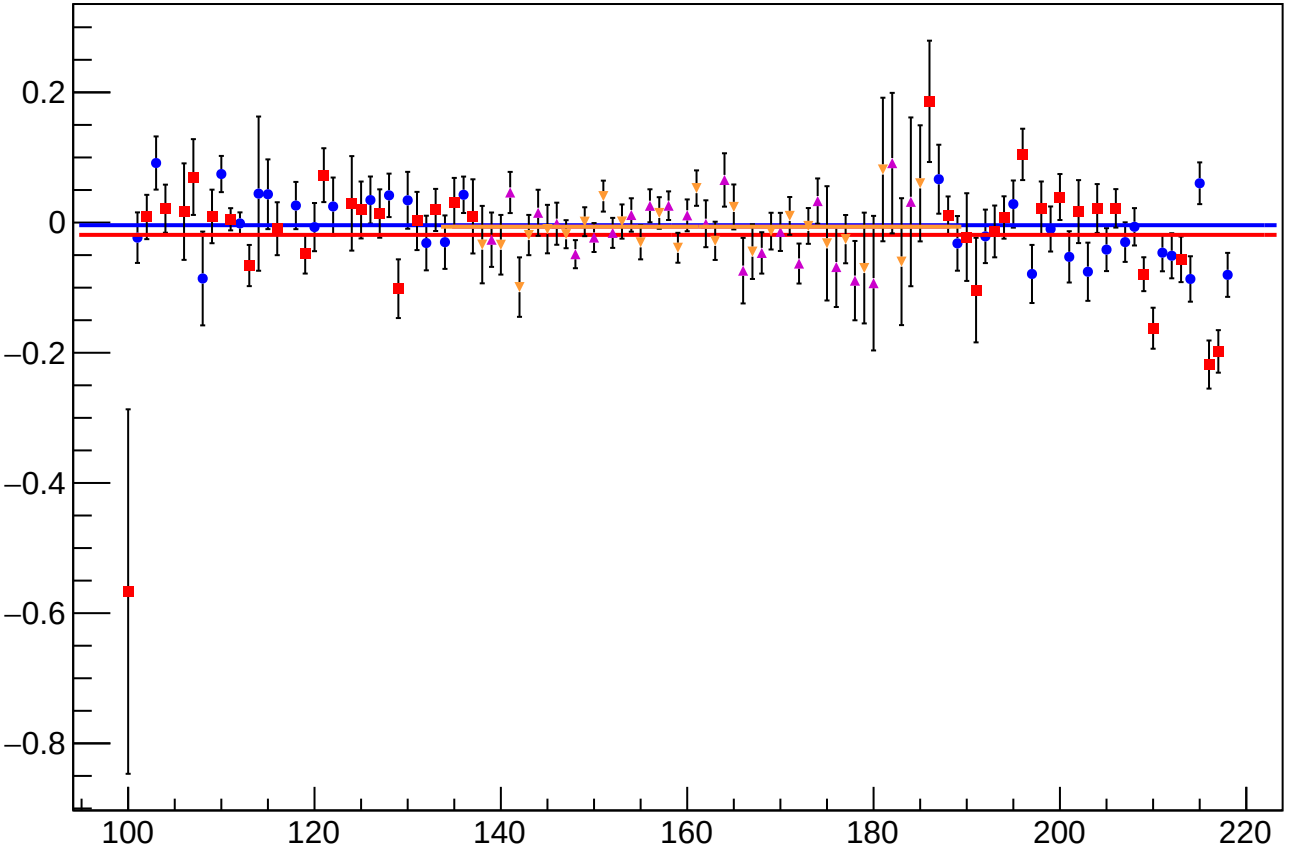
Left In: 0.000+/-0.000 χ^2/NDF:2053049.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 11497621.6/56

All: 0.000+/-0.000 χ^2/NDF: 23008722.4/115

- sign 0.000+/-0.000 χ^2/NDF: 11505617.5/58

asym_sam8_dit_vs_cor_diff_mean vs Slug



Right In: -0.004+/-0.006 χ^2/NDF: 55.4/31

Left Out: -0.006+/-0.006 χ^2/NDF:22.6/24

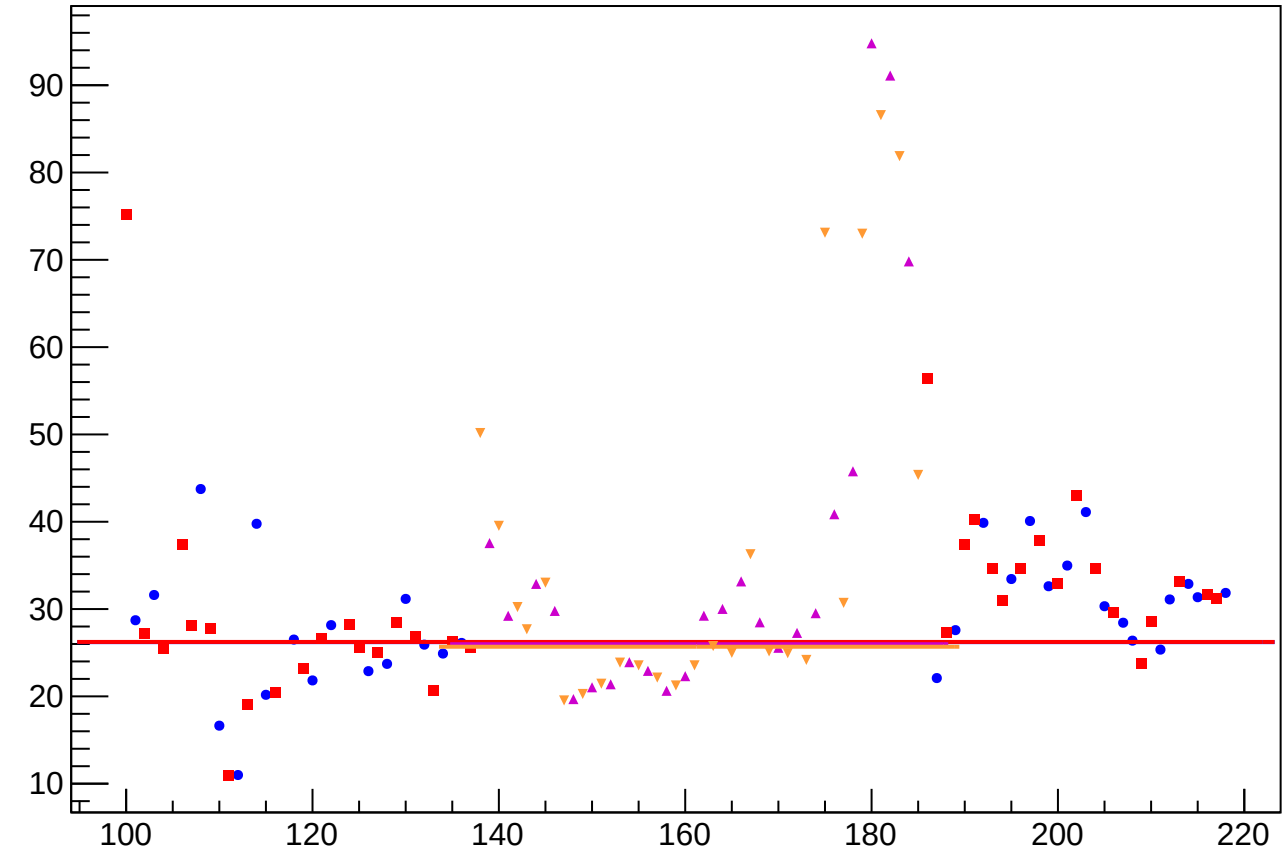
Right Out: -0.019+/-0.006 χ^2/NDF: 139.1/35

Left In: -0.006+/-0.007 χ^2/NDF:28.4/22

+ sign -0.005+/-0.004 χ^2/NDF: 78.1/56

All: -0.009+/-0.003 χ^2/NDF: 249.0/115

- sign -0.013+/-0.005 χ^2/NDF: 169.4/58



Right In: 26.211+/-0.004 χ^2/NDF: 3305678.7/31

Left Out: 25.685+/-0.005 χ^2/NDF:3871541.1/24

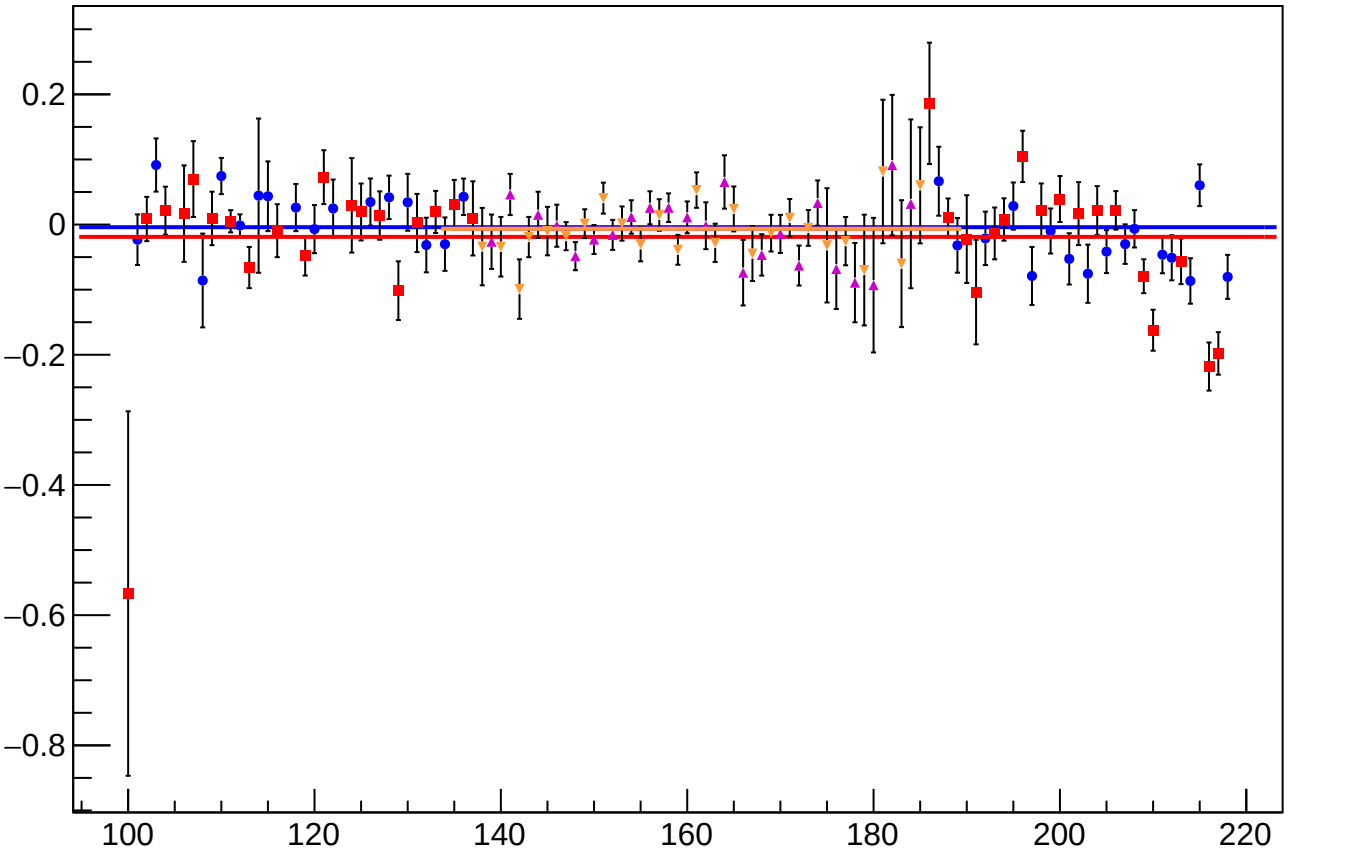
Right Out: 26.234+/-0.004 χ^2/NDF: 3307636.8/35

Left In: 25.972+/-0.005 χ^2/NDF:3118335.6/22

+ sign 25.956+/-0.003 χ^2/NDF: 7184193.7/56

All: 26.033+/-0.002 χ^2/NDF: 13613064.7/115

- sign 26.112+/-0.003 χ^2/NDF: 6427653.3/58



Right In: -0.004+/-0.006 χ^2/NDF: 55.4/31

Left Out: -0.006+/-0.006 χ^2/NDF:22.6/24

Right Out: -0.019+/-0.006 χ^2/NDF: 139.1/35

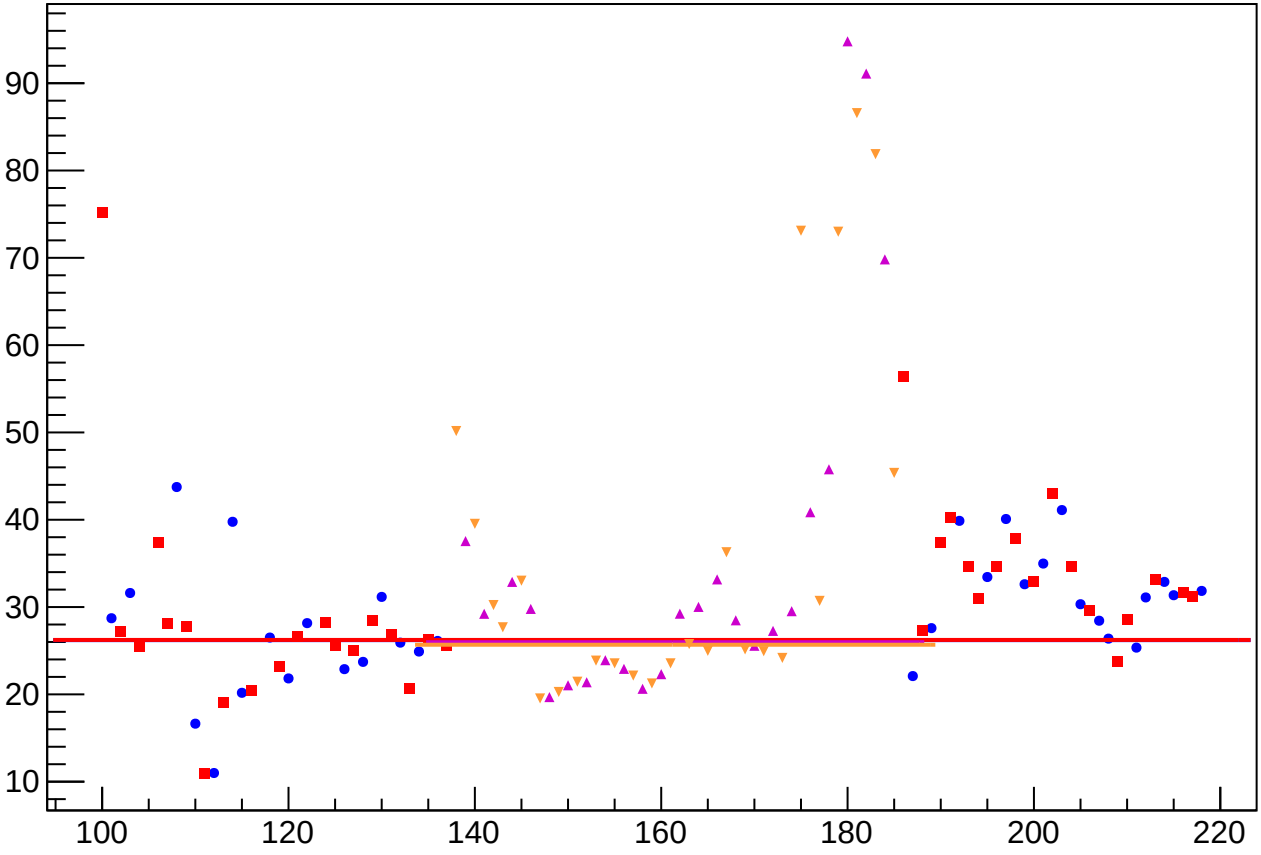
Left In: -0.006+/-0.007 χ^2/NDF:28.4/22

+ sign -0.005+/-0.004 χ^2/NDF: 78.1/56

All: -0.009+/-0.003 χ^2/NDF: 249.0/115

- sign -0.013+/-0.005 χ^2/NDF: 169.4/58

asym_sam8_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 26.211+/-0.004 χ^2/NDF: 3305678.7/31

Left Out: 25.685+/-0.005 χ^2/NDF:3871541.1/24

Right Out: 26.234+/-0.004 χ^2/NDF: 3307636.8/35

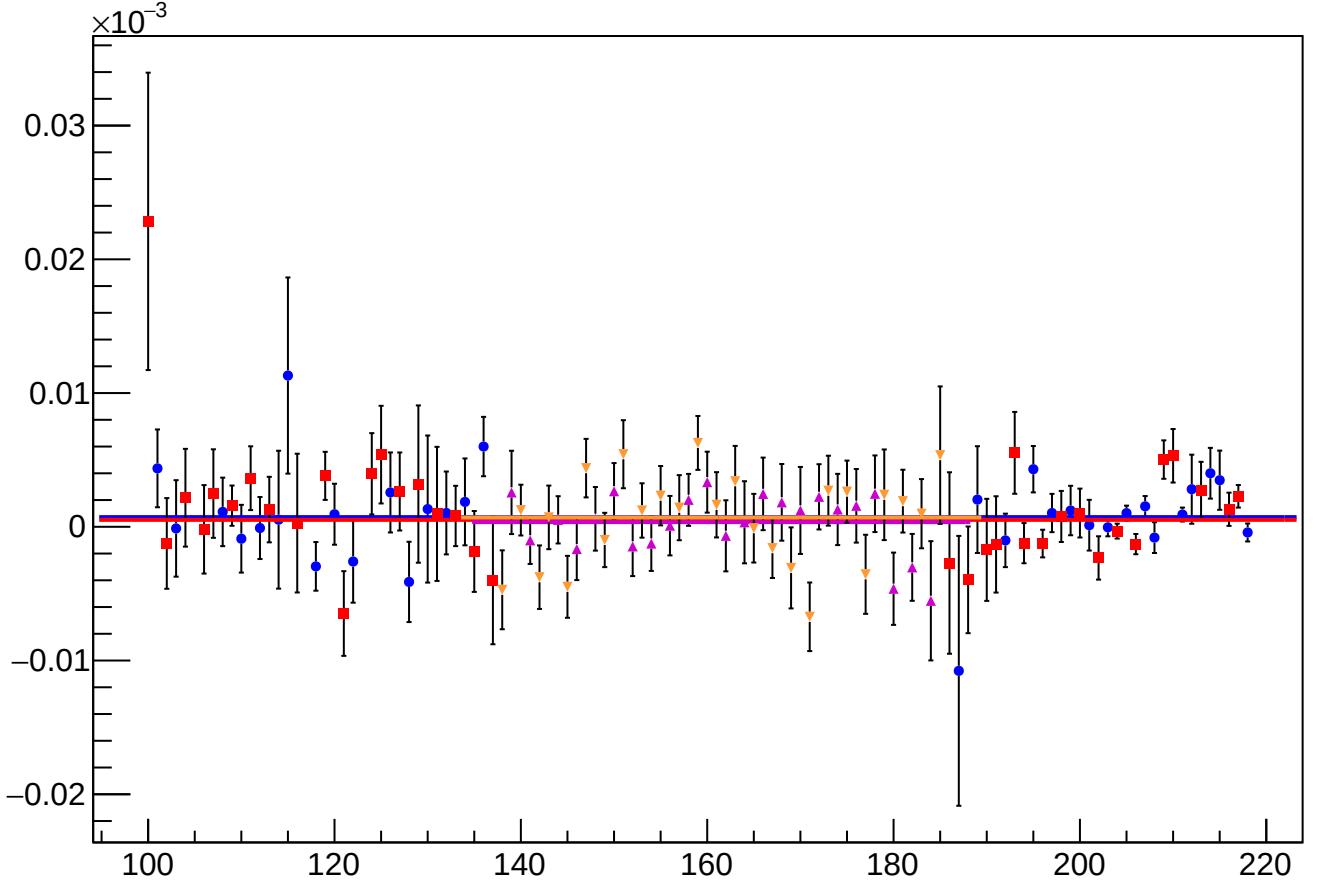
Left In: 25.972+/-0.005 χ^2/NDF:3118335.6/22

+ sign 25.956+/-0.003 χ^2/NDF: 7184193.7/56

All: 26.033+/-0.002 χ^2/NDF: 13613064.7/115

- sign 26.112+/-0.003 χ^2/NDF: 6427653.3/58

asym_sam8_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 37.6/31

Left Out: 0.000+/-0.000 χ^2/NDF:44.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 62.4/35

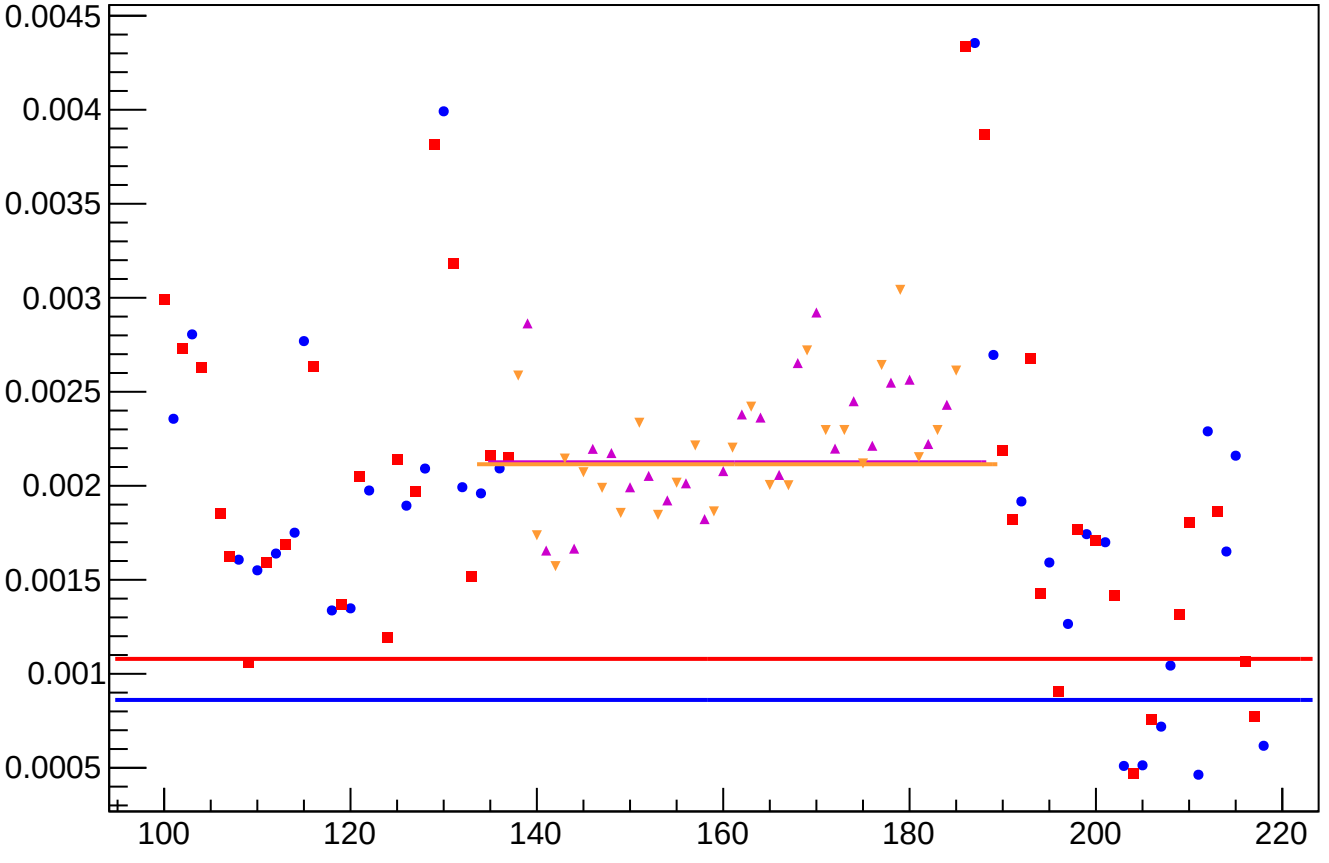
Left In: 0.000+/-0.000 χ^2/NDF:16.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 82.0/56

All: 0.000+/-0.000 χ^2/NDF: 161.4/115

- sign 0.000+/-0.000 χ^2/NDF: 78.8/58

asym_sam8_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 11759719.0/31

Left Out: 0.002+/-0.000 χ^2/NDF:743658.4/24

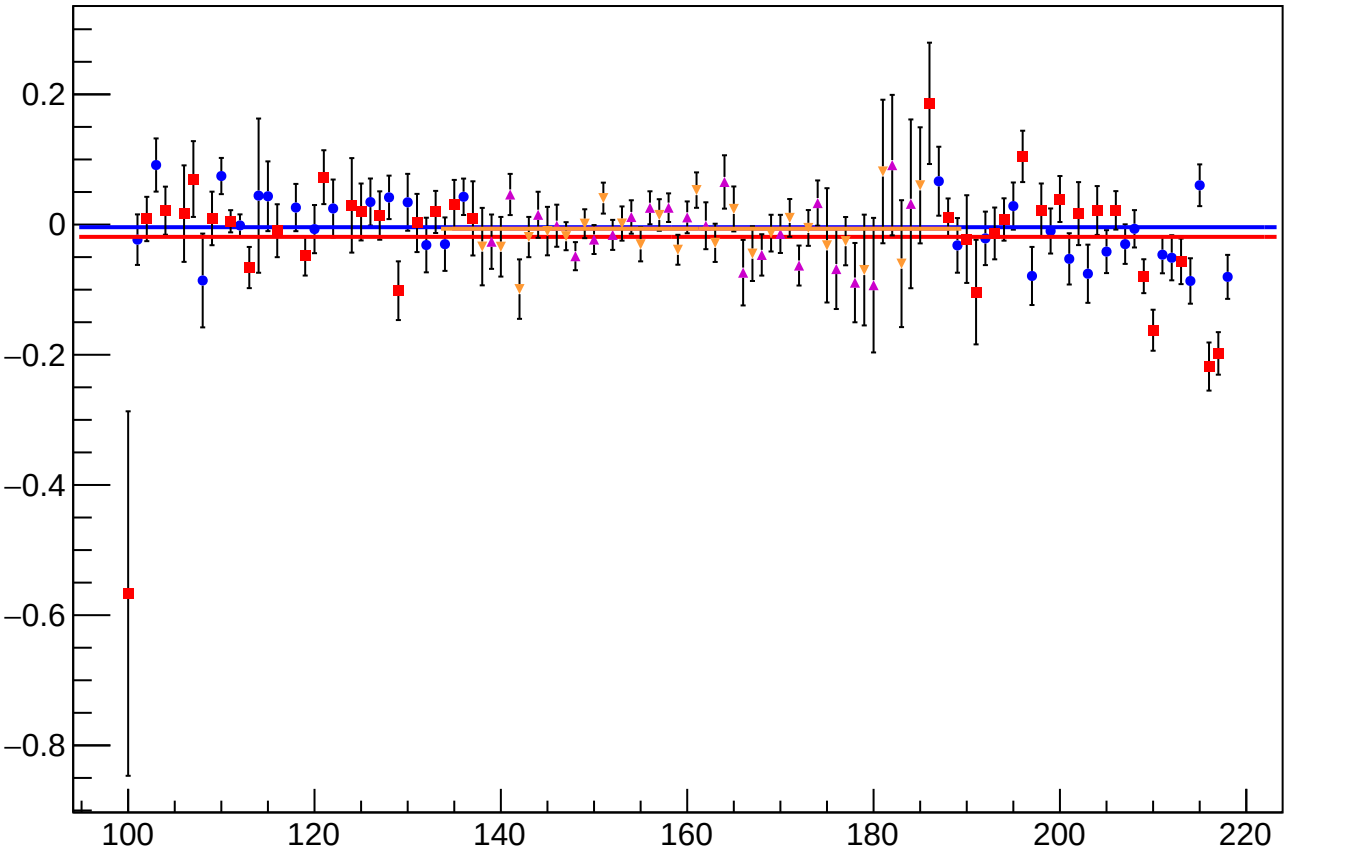
Right Out: 0.001+/-0.000 χ^2/NDF: 9820081.5/35

Left In: 0.002+/-0.000 χ^2/NDF:837770.9/22

+ sign 0.001+/-0.000 χ^2/NDF: 23270438.0/56

All: 0.001+/-0.000 χ^2/NDF: 41510249.7/115

- sign 0.001+/-0.000 χ^2/NDF: 17264948.3/58



Right In: -0.004+/-0.006 χ^2/NDF: 55.4/31

Left Out: -0.006+/-0.006 χ^2/NDF:22.6/24

Right Out: -0.019+/-0.006 χ^2/NDF: 139.1/35

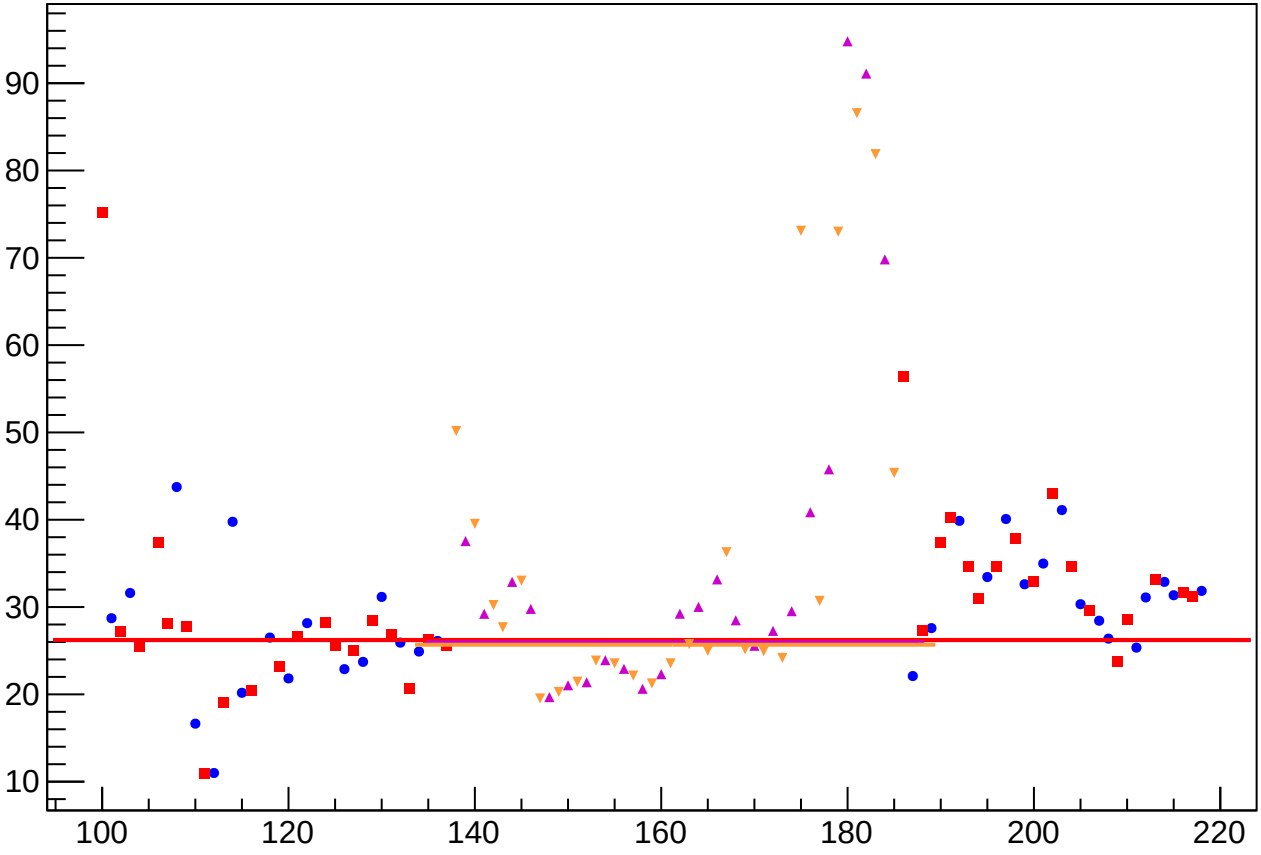
Left In: -0.006+/-0.007 χ^2/NDF:28.4/22

+ sign -0.005+/-0.004 χ^2/NDF: 78.1/56

All: -0.009+/-0.003 χ^2/NDF: 249.0/115

- sign -0.013+/-0.005 χ^2/NDF: 169.4/58

asym_sam8_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 26.211+/-0.004 χ^2/NDF: 3305969.7/31

Left Out: 25.685+/-0.005 χ^2/NDF:3871544.4/24

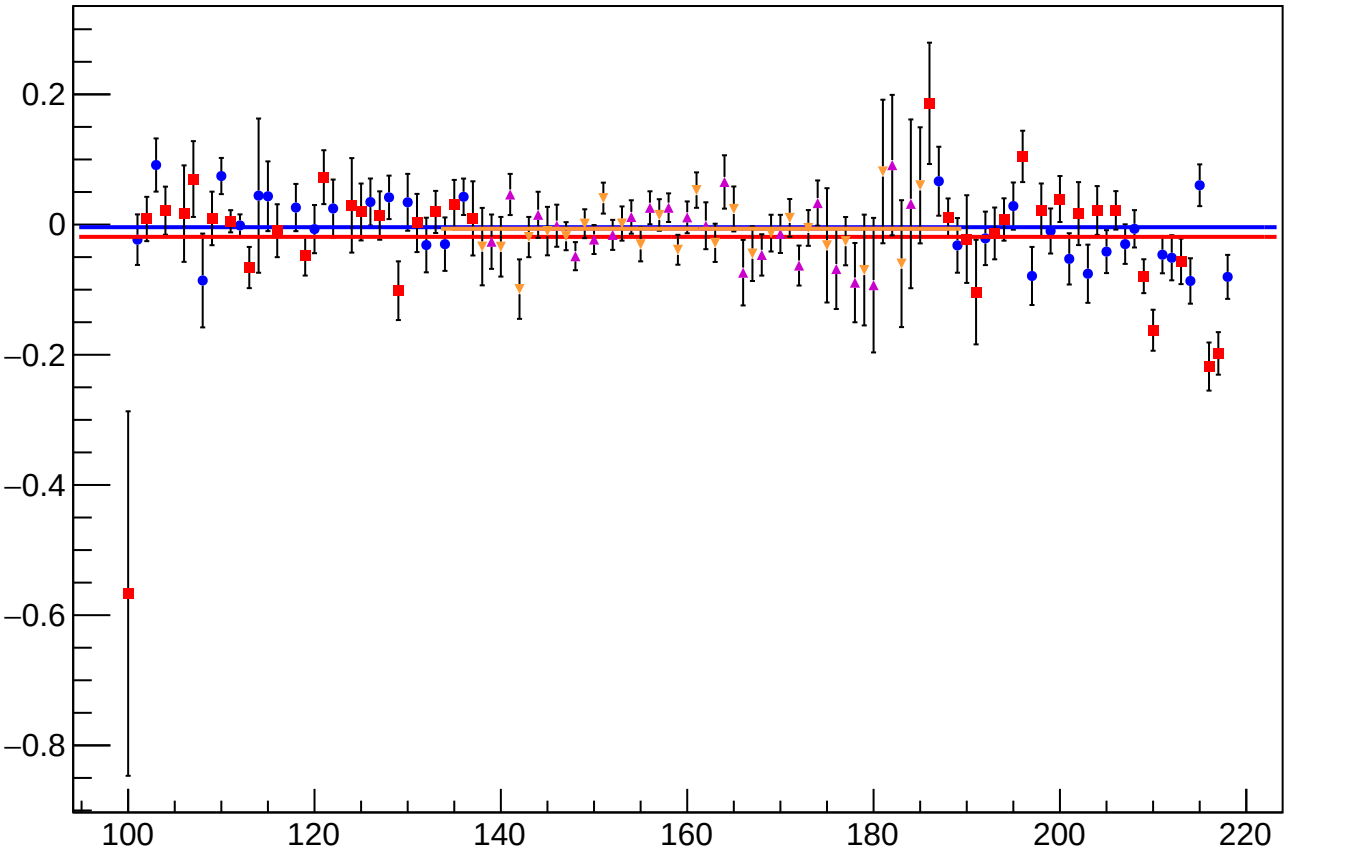
Right Out: 26.233+/-0.004 χ^2/NDF: 3307933.9/35

Left In: 25.972+/-0.005 χ^2/NDF:3118315.0/22

+ sign 25.956+/-0.003 χ^2/NDF: 7184473.8/56

All: 26.033+/-0.002 χ^2/NDF: 13613612.1/115

- sign 26.112+/-0.003 χ^2/NDF: 6427921.3/58



Right In: -0.004+/-0.006 χ^2/NDF: 55.4/31

Left Out: -0.006+/-0.006 χ^2/NDF:22.6/24

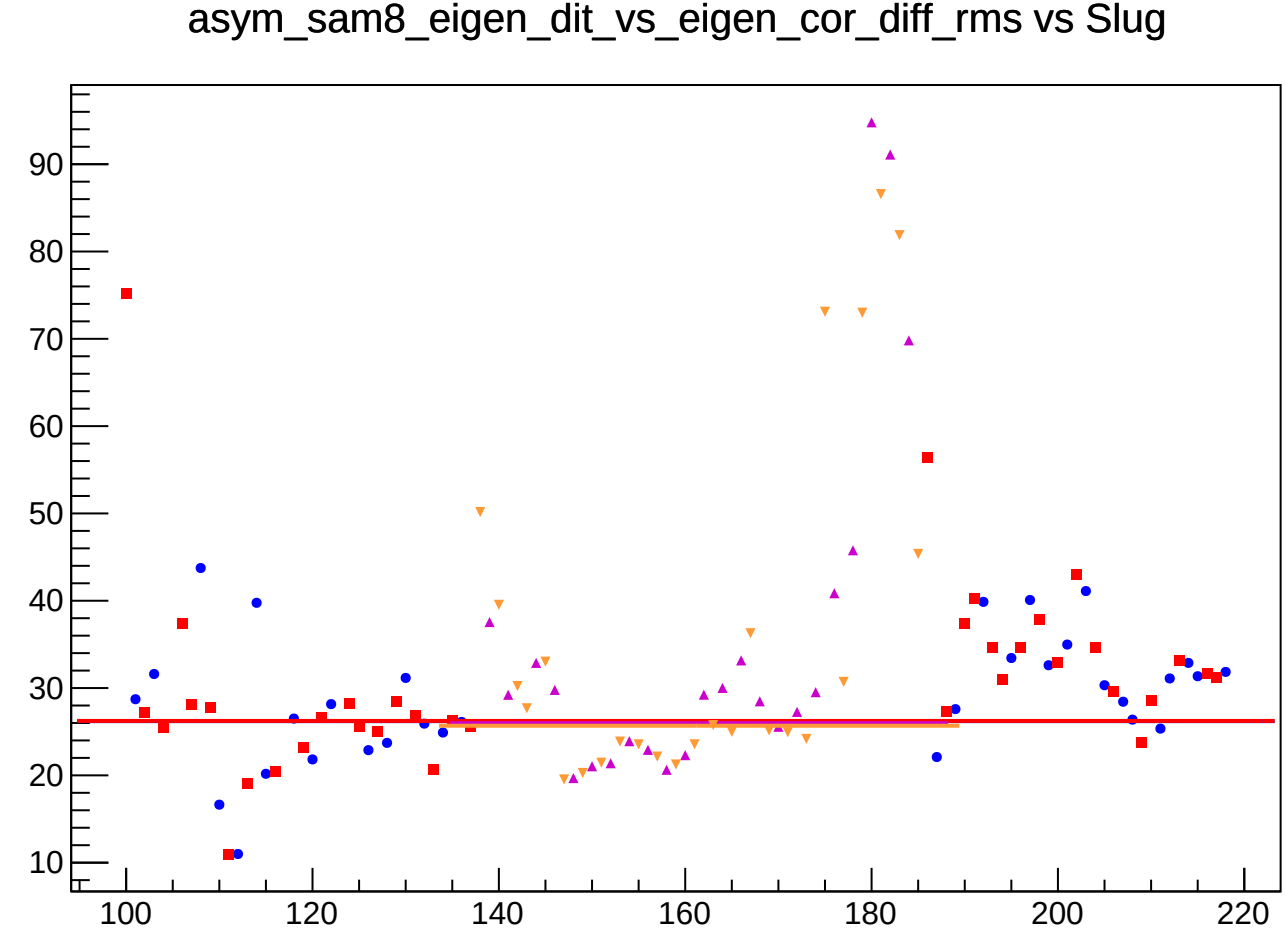
Right Out: -0.019+/-0.006 χ^2/NDF: 139.1/35

Left In: -0.006+/-0.007 χ^2/NDF:28.4/22

+ sign -0.005+/-0.004 χ^2/NDF: 78.1/56

All: -0.009+/-0.003 χ^2/NDF: 249.0/115

- sign -0.013+/-0.005 χ^2/NDF: 169.4/58



Right In: 26.211+/-0.004 χ^2/NDF: 3305969.7/31

Left Out: 25.685+/-0.005 χ^2/NDF:3871544.4/24

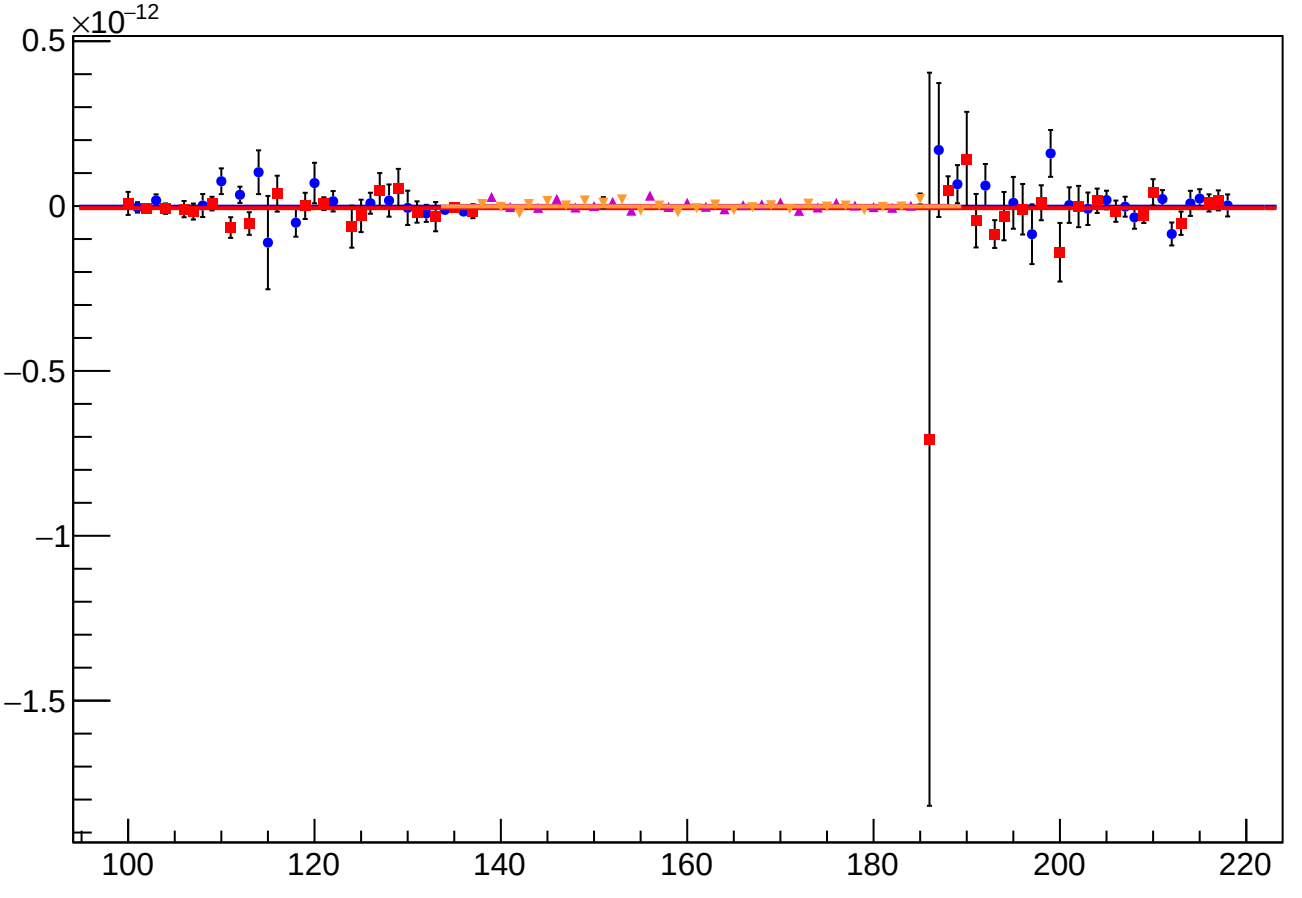
Right Out: 26.233+/-0.004 χ^2/NDF: 3307933.9/35

Left In: 25.972+/-0.005 χ^2/NDF:3118315.0/22

+ sign 25.956+/-0.003 χ^2/NDF: 7184473.8/56

All: 26.033+/-0.002 χ^2/NDF: 13613612.1/115

- sign 26.112+/-0.003 χ^2/NDF: 6427921.3/58



Right In: -0.000+/-0.000 χ^2/NDF: 35.0/31

Left Out: -0.000+/-0.000 χ^2/NDF:28.8/24

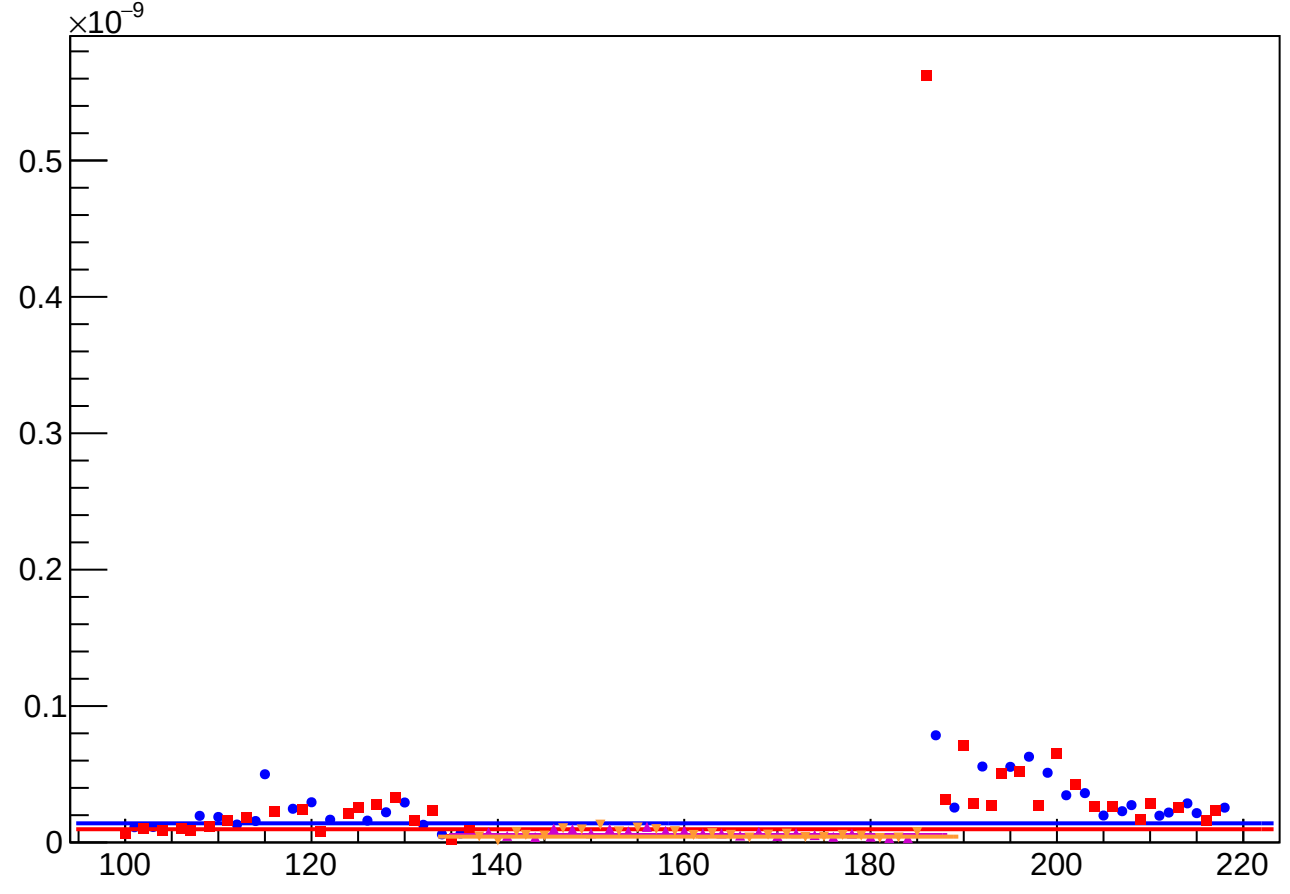
Right Out: -0.000+/-0.000 χ^2/NDF: 25.6/35

Left In: 0.000+/-0.000 χ^2/NDF:29.7/22

+ sign -0.000+/-0.000 χ^2/NDF: 63.8/56

All: -0.000+/-0.000 χ^2/NDF: 121.8/115

- sign -0.000+/-0.000 χ^2/NDF: 57.9/58



Right In: 0.000+/-0.000 χ^2/NDF: 7733493.3/31

Left Out: 0.000+/-0.000 χ^2/NDF:5399109.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 11980535.2/35

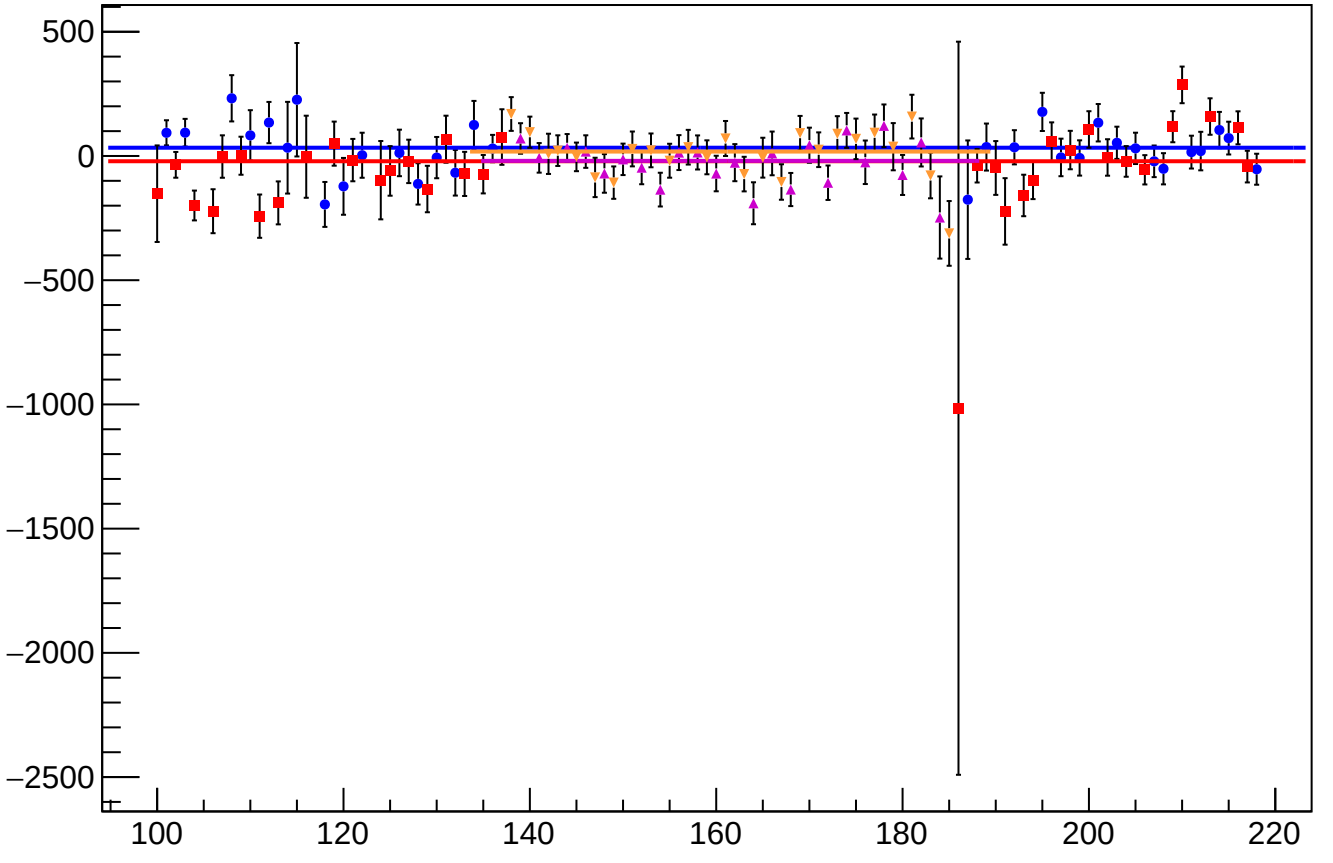
Left In: 0.000+/-0.000 χ^2/NDF:2811616.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 20713544.9/56

All: 0.000+/-0.000 χ^2/NDF: 37989494.0/115

- sign 0.000+/-0.000 χ^2/NDF: 16715149.5/58

reg_asym_sam_15_avg_mean vs Slug



Right In: 33.277+/-13.461 χ^2/NDF: 36.0/31

Left Out: 17.800+/-14.495 χ^2/NDF:31.6/24

Right Out: -21.152+/-13.387 χ^2/NDF: 73.6/35

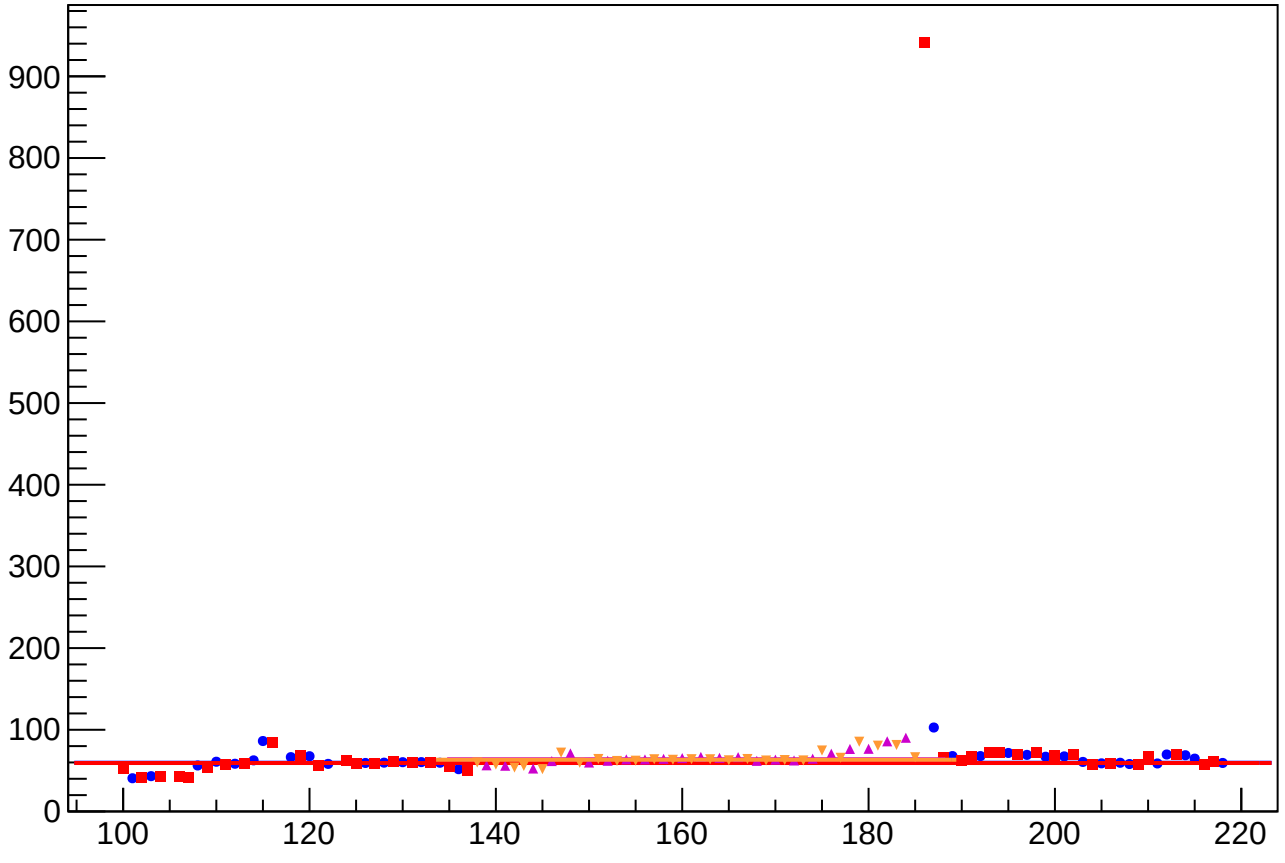
Left In: -19.642+/-15.040 χ^2/NDF:26.2/22

+ sign 26.110+/-9.864 χ^2/NDF: 68.2/56

All: 3.132+/-7.022 χ^2/NDF: 179.1/115

- sign -20.484+/-10.000 χ^2/NDF: 99.9/58

reg_asym_sam_15_avg_rms vs Slug



Right In: 59.664+/-0.010 χ^2/NDF: 862487.8/31

Left Out: 63.312+/-0.010 χ^2/NDF:497429.6/24

Right Out: 59.307+/-0.009 χ^2/NDF: 1719331.3/35

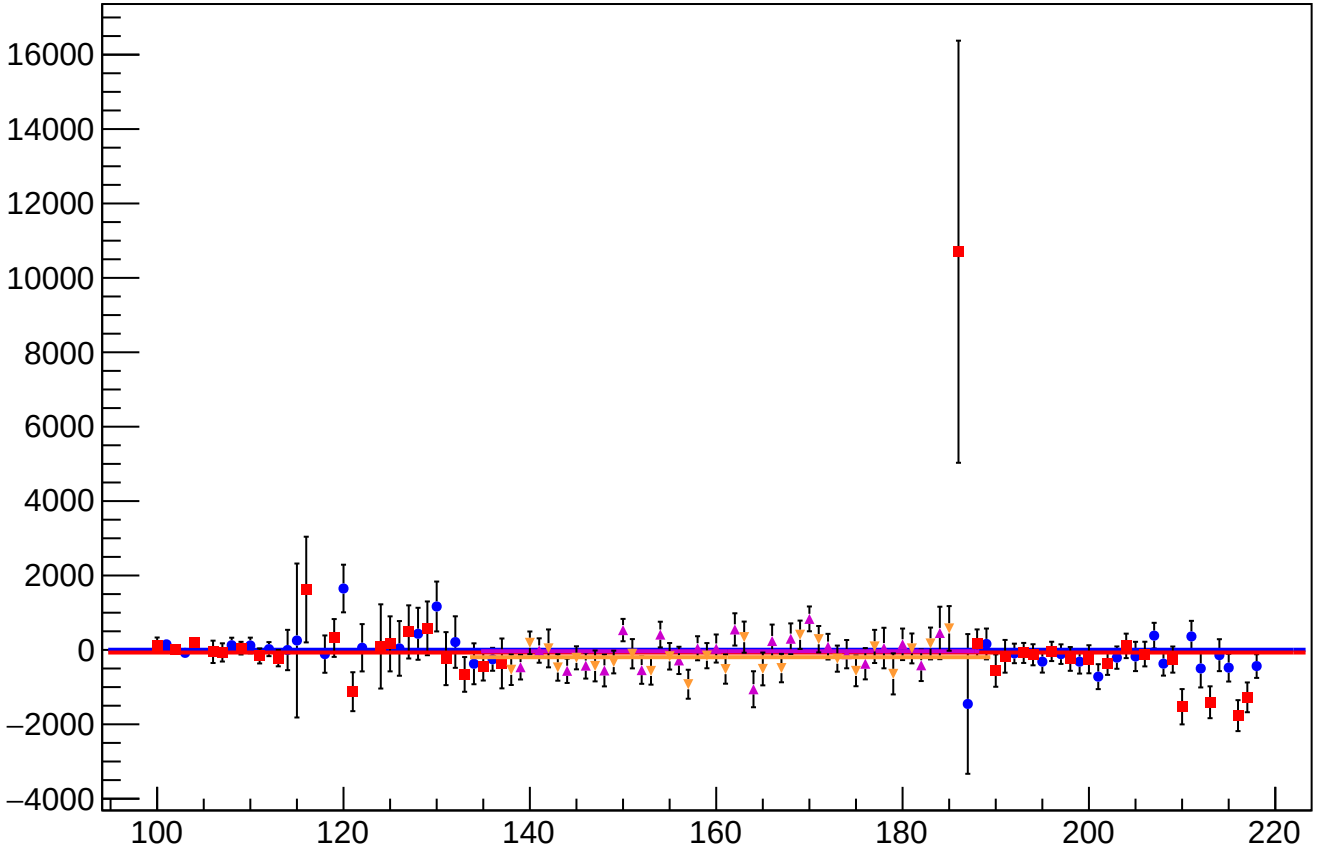
Left In: 63.918+/-0.011 χ^2/NDF:445309.5/22

\+ sign 61.353+/-0.007 χ^2/NDF: 1427956.2/56

All: 61.349+/-0.005 χ^2/NDF: 3697486.5/115

\- sign 61.345+/-0.007 χ^2/NDF: 2269529.6/58

asym_sam_15_avg_reg_correction_mean vs Slug



Right In: 4.432+/-40.962 χ^2/NDF: 34.1/31

Left Out: -195.947+/-77.088 χ^2/NDF:20.6/24

Right Out: -70.664+/-43.414 χ^2/NDF: 74.2/35

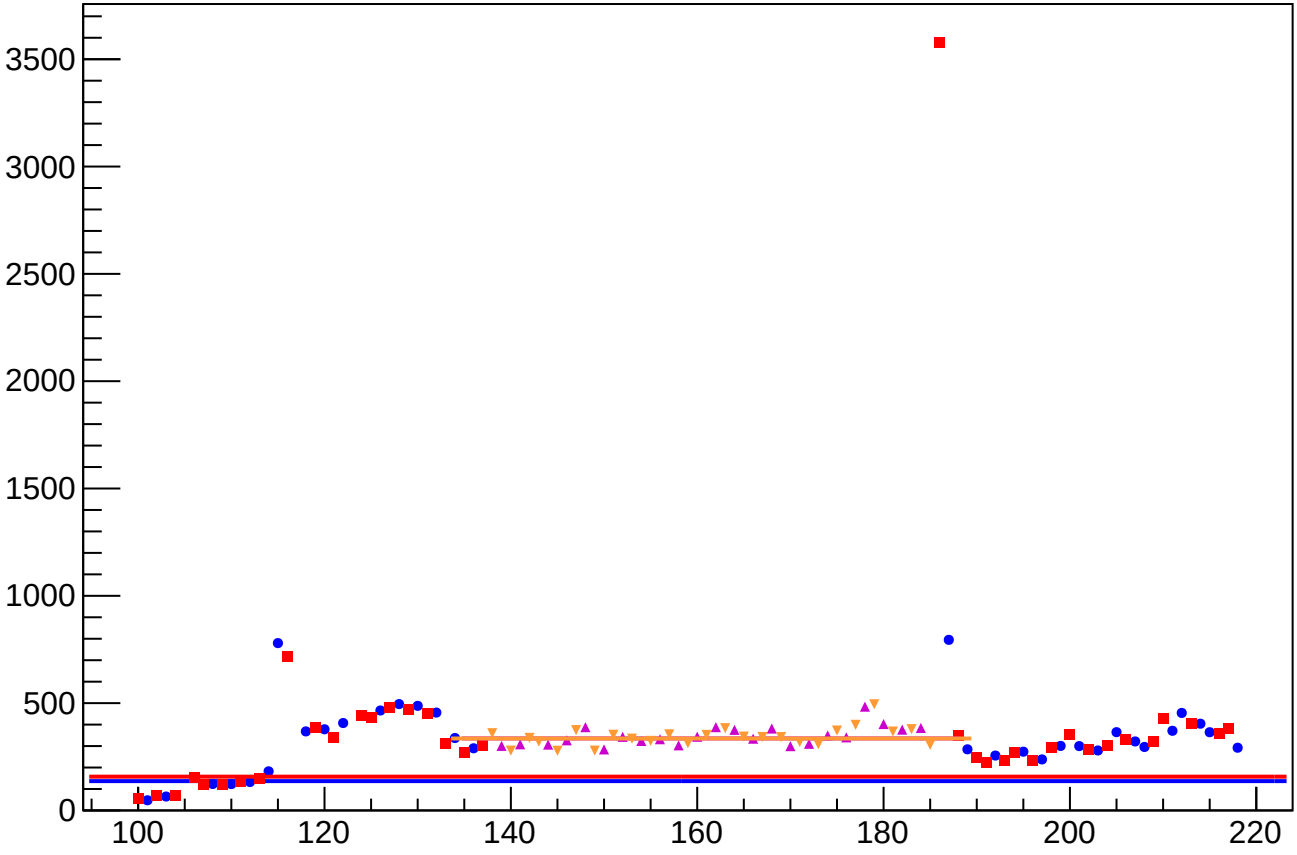
Left In: -36.417+/-79.210 χ^2/NDF:31.1/22

+ sign -39.689+/-36.173 χ^2/NDF: 60.0/56

All: -50.632+/-26.223 χ^2/NDF: 165.6/115

- sign -62.753+/-38.070 χ^2/NDF: 105.4/58

asym_sam_15_avg_reg_correction_rms vs Slug



Right In: 136.676+/-0.029 χ^2/NDF: 17022704.2/31

Left Out: 335.271+/-0.055 χ^2/NDF:563801.0/24

Right Out: 157.421+/-0.031 χ^2/NDF: 14346942.3/35

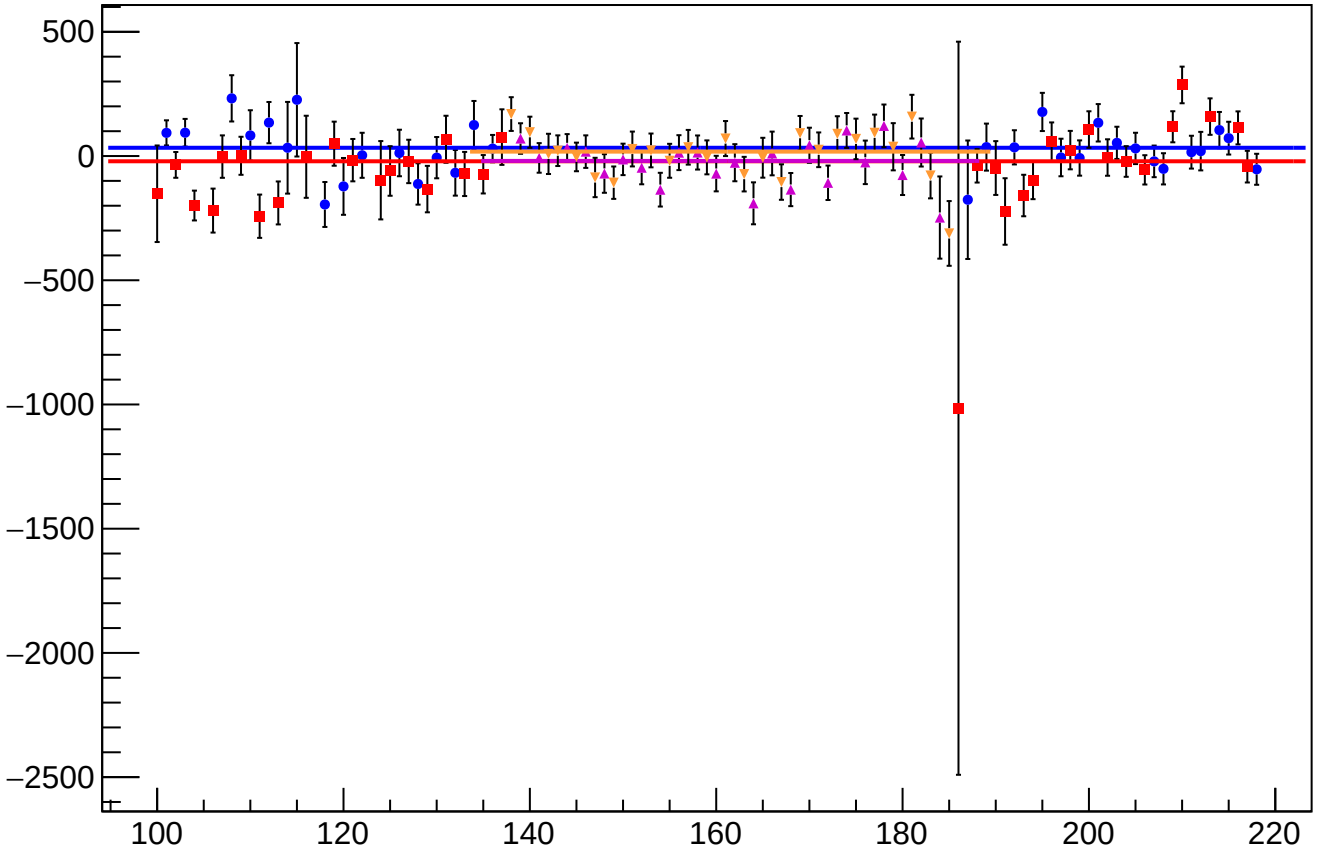
Left In: 335.526+/-0.056 χ^2/NDF:495163.6/22

+ sign 180.404+/-0.026 χ^2/NDF: 27937508.1/56

All: 189.020+/-0.019 χ^2/NDF: 50794671.0/11

- sign 198.563+/-0.027 χ^2/NDF: 22618005.7/58

cor_asym_sam_15_avg_mean vs Slug



Right In: 33.282+/-13.461 χ^2/NDF: 36.0/31

Left Out: 17.804+/-14.495 χ^2/NDF:31.6/24

Right Out: -21.088+/-13.387 χ^2/NDF: 73.5/35

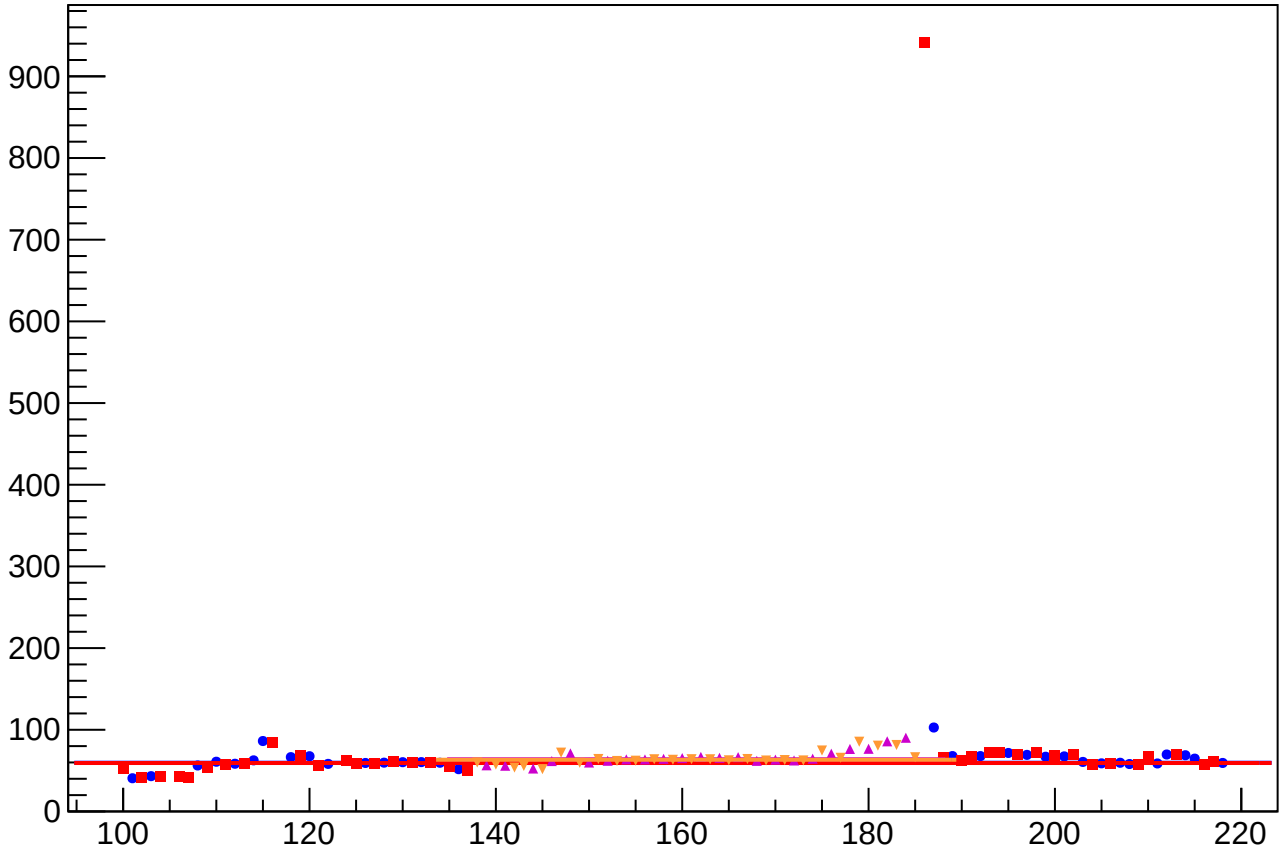
Left In: -19.642+/-15.040 χ^2/NDF:26.2/22

+ sign 26.115+/-9.864 χ^2/NDF: 68.2/56

All: 3.152+/-7.022 χ^2/NDF: 178.9/115

- sign -20.448+/-10.000 χ^2/NDF: 99.7/58

cor_asym_sam_15_avg_rms vs Slug



Right In: 59.664+/-0.010 χ^2/NDF: 862486.7/31

Left Out: 63.312+/-0.010 χ^2/NDF:497429.6/24

Right Out: 59.307+/-0.009 χ^2/NDF: 1719756.2/35

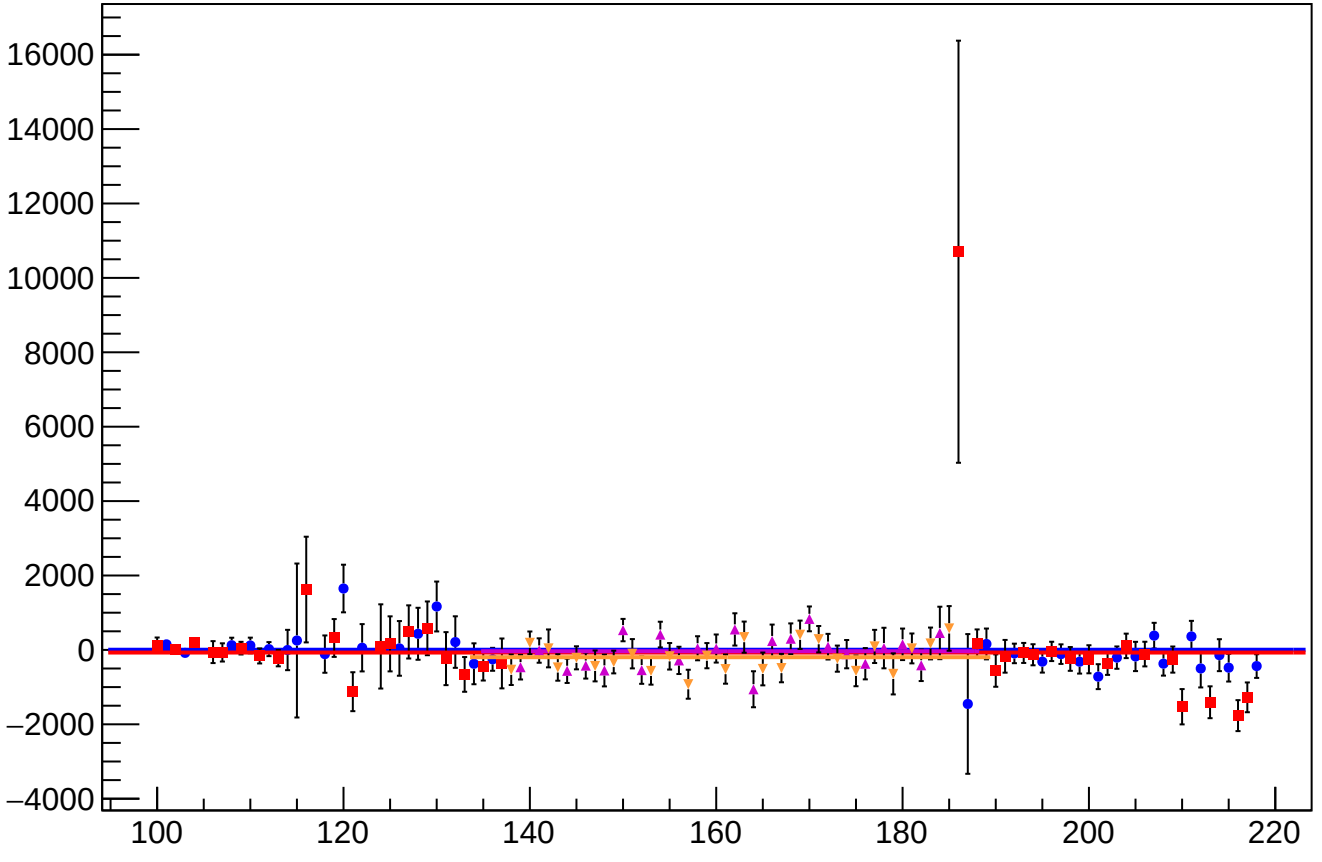
Left In: 63.918+/-0.011 χ^2/NDF:445309.5/22

\+ sign 61.353+/-0.007 χ^2/NDF: 1427955.1/56

All: 61.349+/-0.005 χ^2/NDF: 3697935.2/115

\- sign 61.345+/-0.007 χ^2/NDF: 2269979.4/58

asym_sam_15_avg_cor_correction_mean vs Slug



Right In: 4.437+/-40.962 χ^2/NDF: 34.1/31

Left Out: -195.942+/-77.088 χ^2/NDF:20.6/24

Right Out: -70.870+/-43.386 χ^2/NDF: 74.2/35

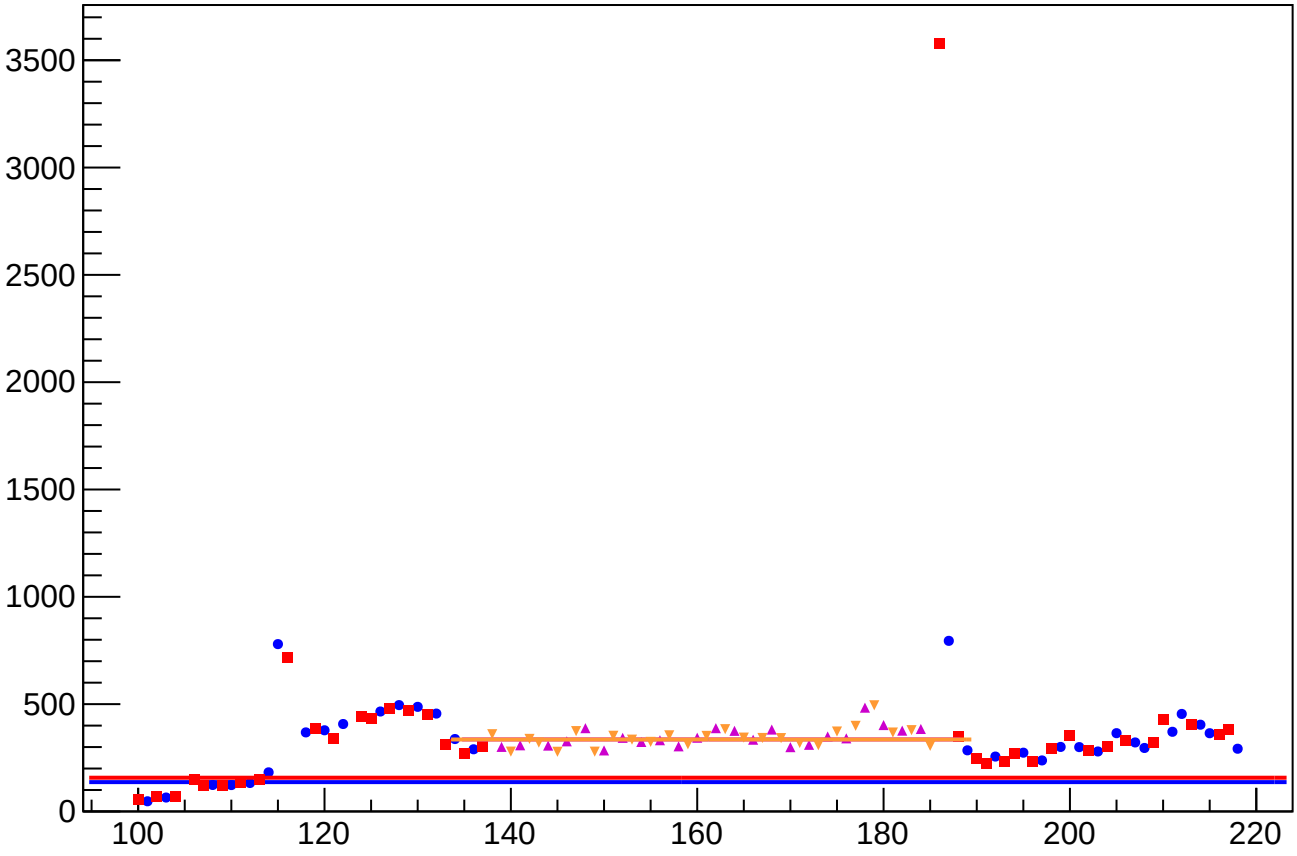
Left In: -36.414+/-79.210 χ^2/NDF:31.1/22

\+ sign -39.682+/-36.172 χ^2/NDF: 60.0/56

All: -50.712+/-26.217 χ^2/NDF: 165.6/115

\- sign -62.919+/-38.052 χ^2/NDF: 105.4/58

asym_sam_15_avg_cor_correction_rms vs Slug



Right In: 136.673+/-0.029 χ^2/NDF: 17023107.0/31

Left Out: 335.271+/-0.055 χ^2/NDF:563797.0/24

Right Out: 157.225+/-0.031 χ^2/NDF: 14356048.5/35

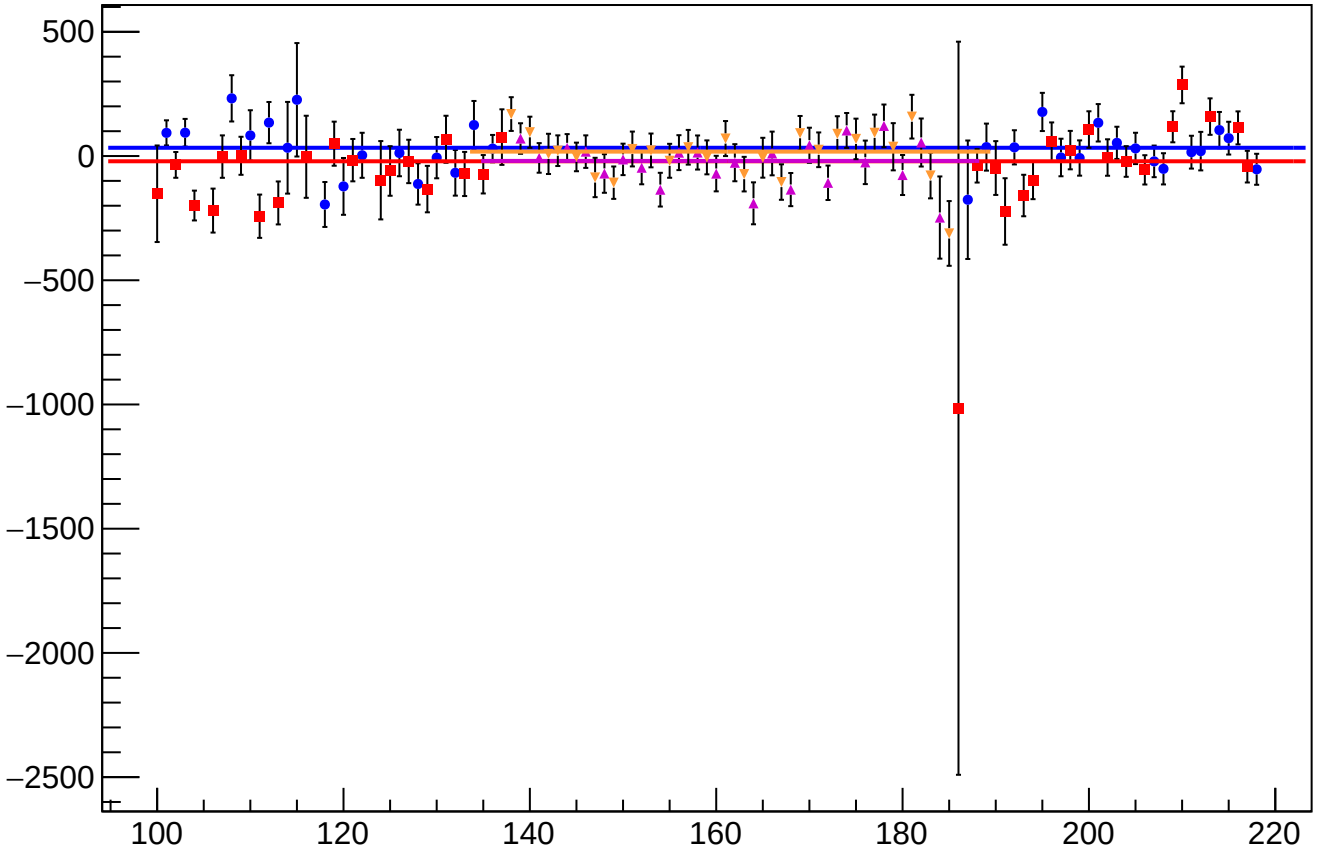
Left In: 335.526+/-0.056 χ^2/NDF:495170.0/22

+ sign 180.400+/-0.026 χ^2/NDF: 27938369.4/56

All: 188.932+/-0.019 χ^2/NDF: 50819219.6/11

- sign 198.373+/-0.027 χ^2/NDF: 22646454.3/58

eigen_cor_asym_sam_15_avg_mean vs Slug



Right In: 33.282+/-13.461 χ^2/NDF: 36.0/31

Left Out: 17.804+/-14.495 χ^2/NDF:31.6/24

Right Out: -21.088+/-13.387 χ^2/NDF: 73.5/35

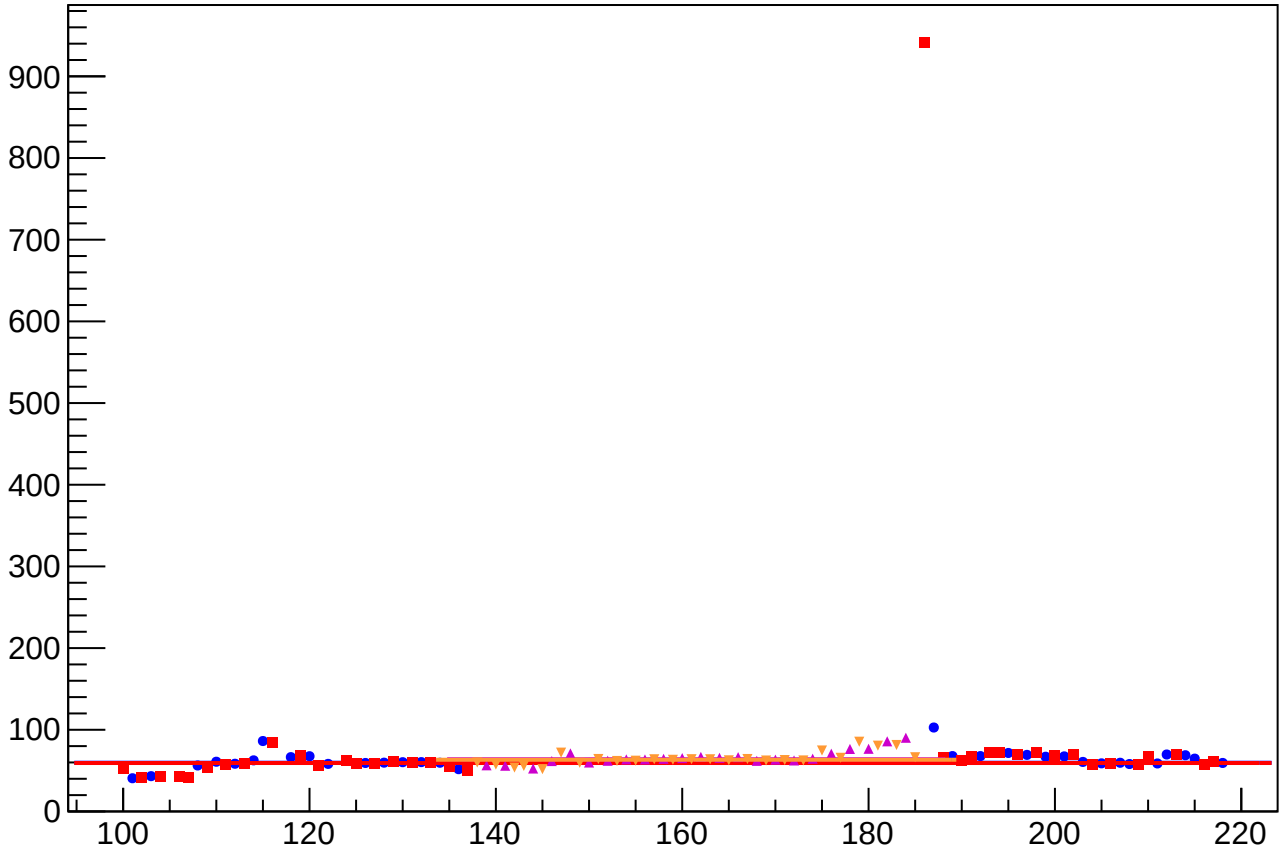
Left In: -19.642+/-15.040 χ^2/NDF:26.2/22

+ sign 26.115+/-9.864 χ^2/NDF: 68.2/56

All: 3.152+/-7.022 χ^2/NDF: 178.9/115

- sign -20.448+/-10.000 χ^2/NDF: 99.7/58

eigen_cor_asym_sam_15_avg_rms vs Slug



Right In: 59.664+/-0.010 χ^2/NDF: 862486.7/31

Left Out: 63.312+/-0.010 χ^2/NDF:497429.6/24

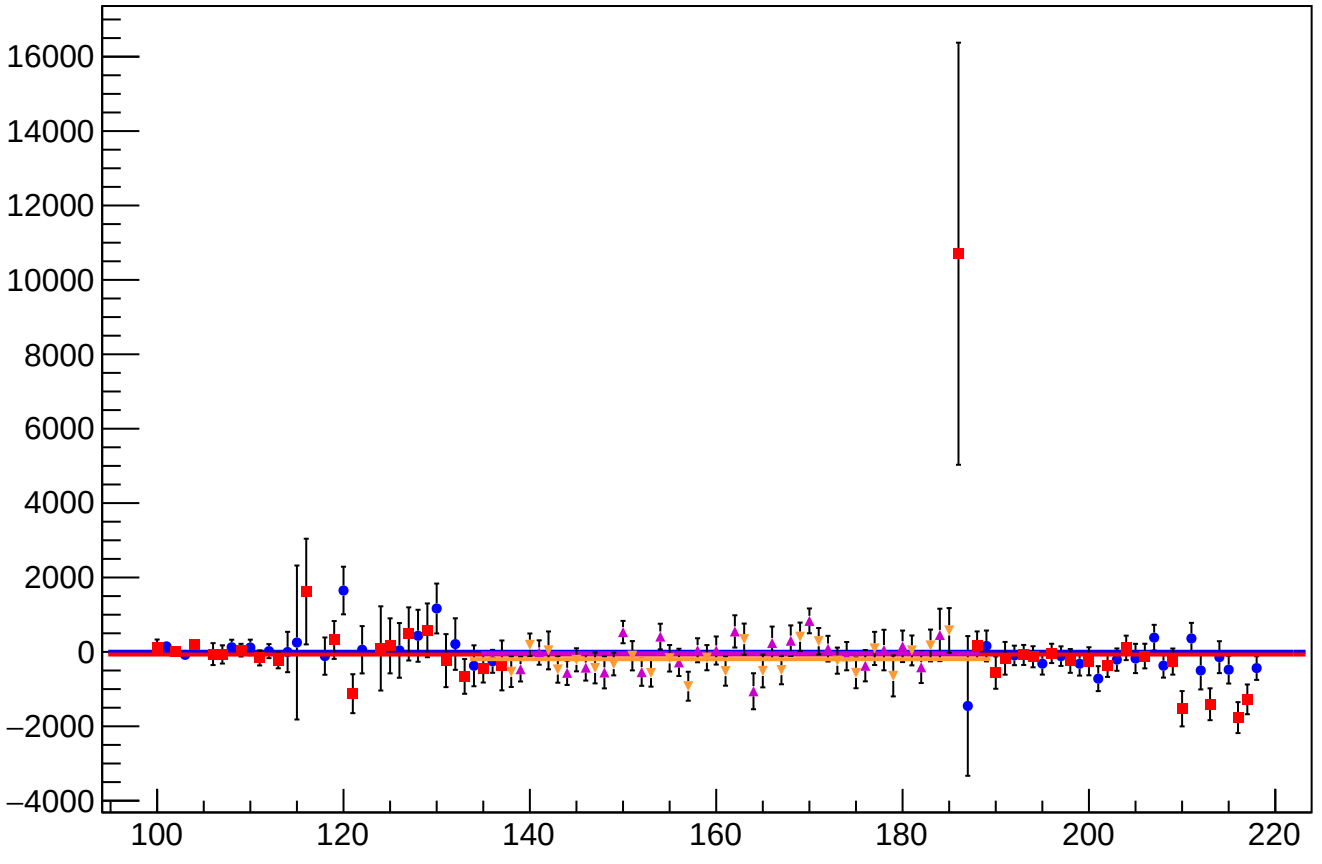
Right Out: 59.307+/-0.009 χ^2/NDF: 1719756.2/35

Left In: 63.918+/-0.011 χ^2/NDF:445309.5/22

+ sign 61.353+/-0.007 χ^2/NDF: 1427955.1/56

All: 61.349+/-0.005 χ^2/NDF: 3697935.2/115

- sign 61.345+/-0.007 χ^2/NDF: 2269979.4/58



Right In: 4.437+/-40.962 χ^2/NDF: 34.1/31

Left Out: -195.942+/-77.088 χ^2/NDF:20.6/24

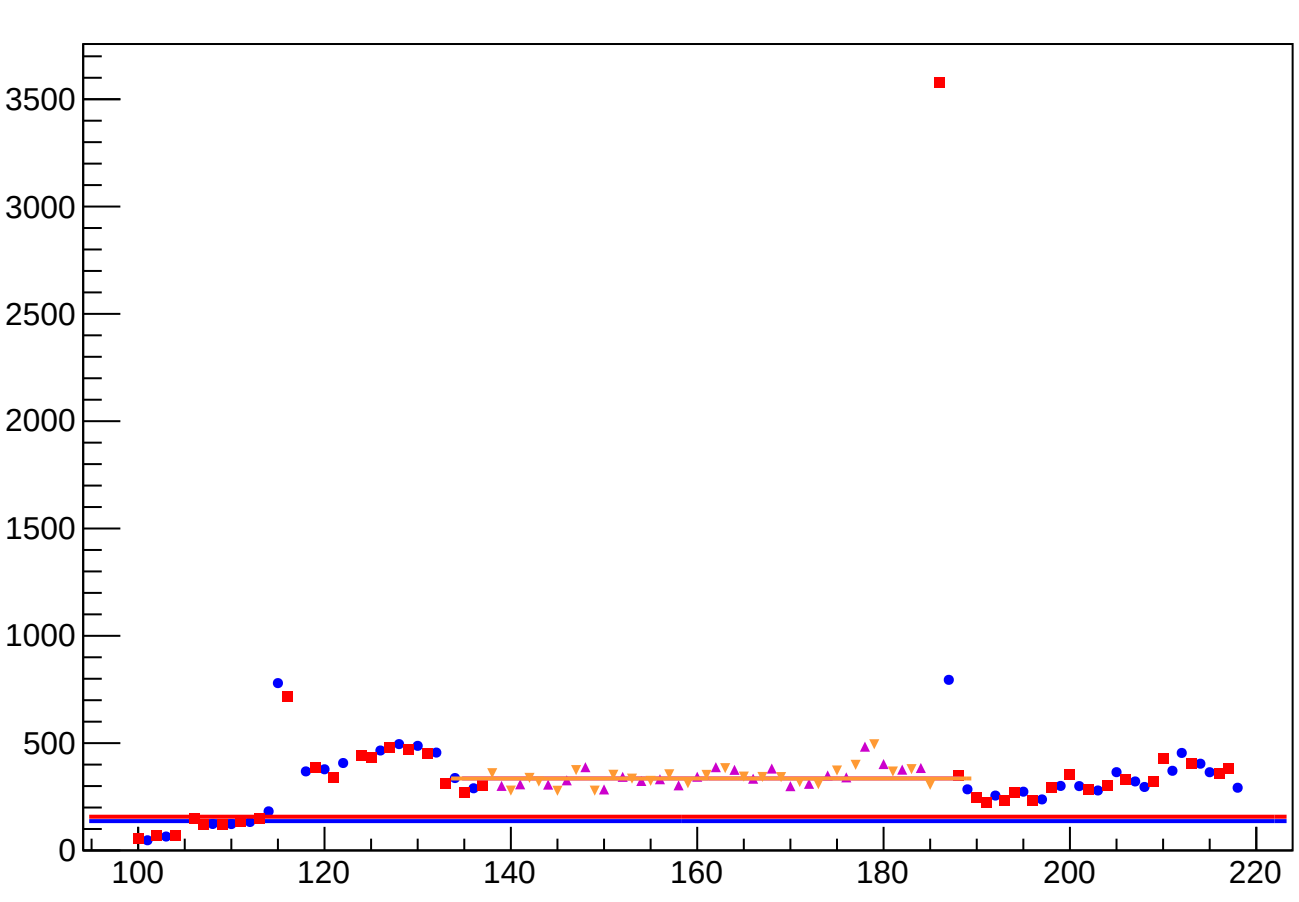
Right Out: -70.870+/-43.386 χ^2/NDF: 74.2/35

Left In: -36.414+/-79.210 χ^2/NDF:31.1/22

+ sign -39.682+/-36.172 χ^2/NDF: 60.0/56

All: -50.712+/-26.217 χ^2/NDF: 165.6/115

- sign -62.919+/-38.052 χ^2/NDF: 105.4/58



Right In: 136.673+/-0.029 χ^2/NDF: 17023107.0/31

Left Out: 335.271+/-0.055 χ^2/NDF:563797.0/24

Right Out: 157.225+/-0.031 χ^2/NDF: 14356048.5/35

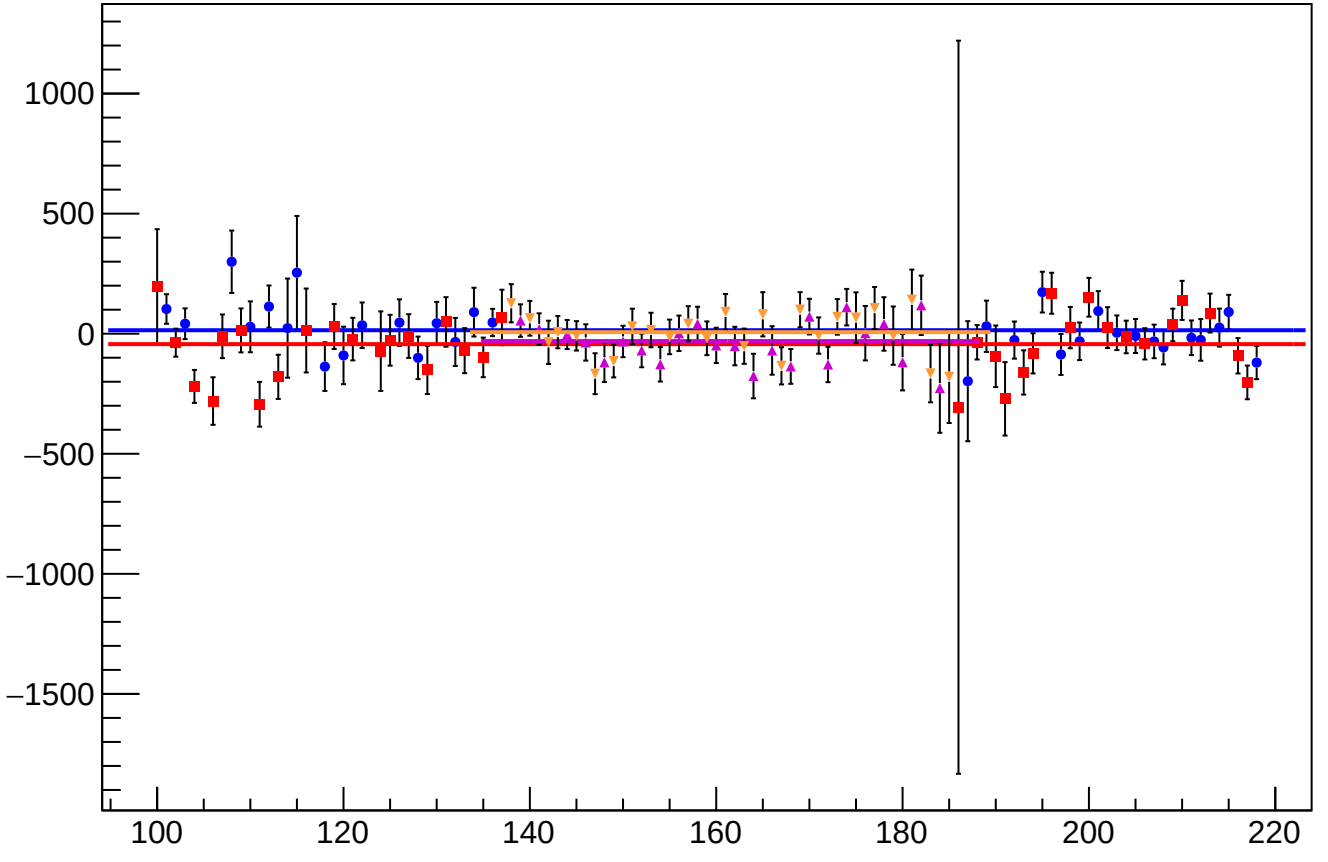
Left In: 335.526+/-0.056 χ^2/NDF:495170.0/22

+ sign 180.400+/-0.026 χ^2/NDF: 27938369.4/56

All: 188.932+/-0.019 χ^2/NDF: 50819219.6/11

- sign 198.373+/-0.027 χ^2/NDF: 22646454.3/58

dit_asym_sam_15_avg_mean vs Slug



Right In: 14.462+/-14.879 χ^2/NDF: 29.6/31

Left Out: 6.469+/-15.977 χ^2/NDF:25.1/24

Right Out: -43.469+/-14.696 χ^2/NDF: 59.9/35

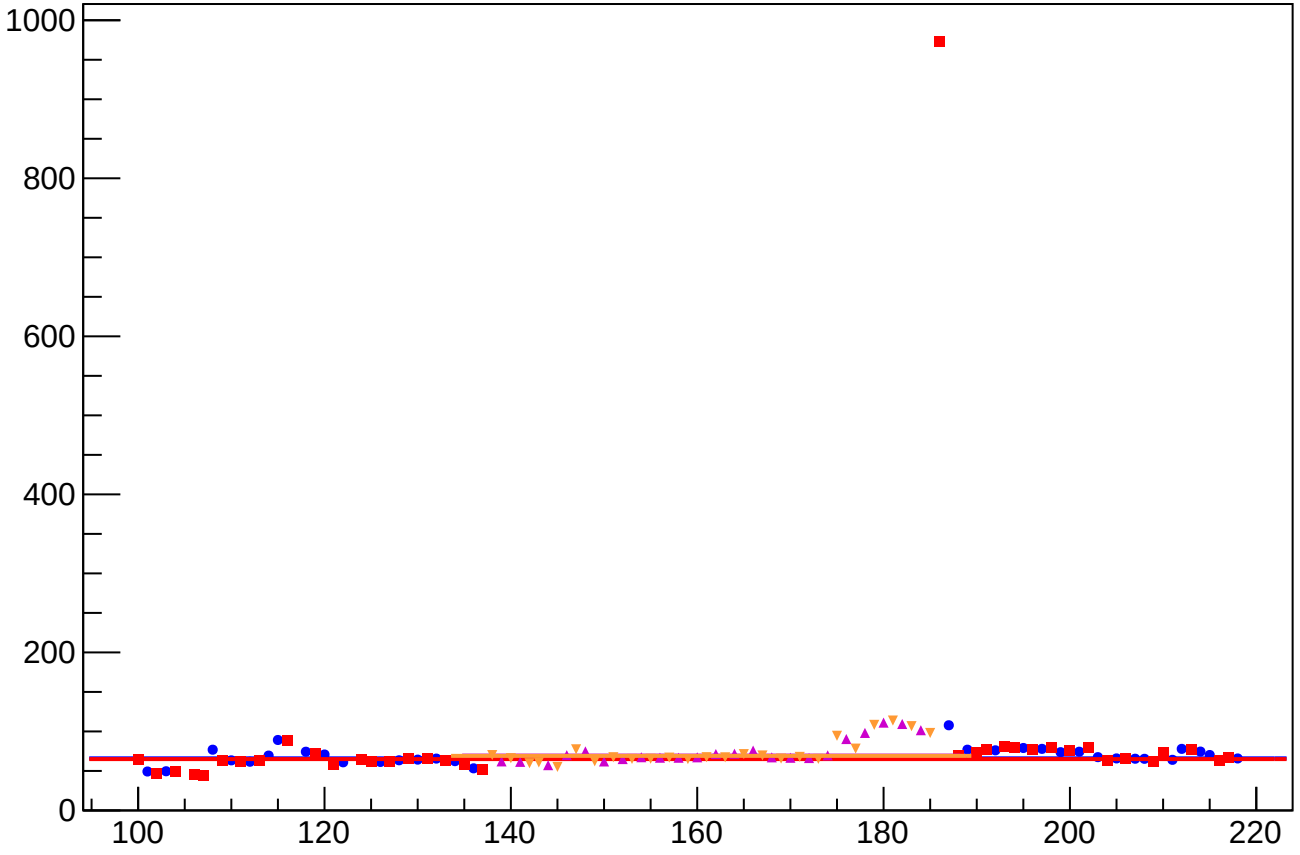
Left In: -30.662+/-16.503 χ^2/NDF:22.5/22

+ sign 10.750+/-10.889 χ^2/NDF: 54.8/56

All: -13.336+/-7.730 χ^2/NDF: 147.3/115

- sign -37.805+/-10.975 χ^2/NDF: 82.7/58

dit_asym_sam_15_avg_rms vs Slug



Right In: 65.962+/-0.011 χ^2/NDF: 757672.1/31

Left Out: 69.078+/-0.011 χ^2/NDF:1074001.6/24

Right Out: 65.000+/-0.010 χ^2/NDF: 1712113.8/35

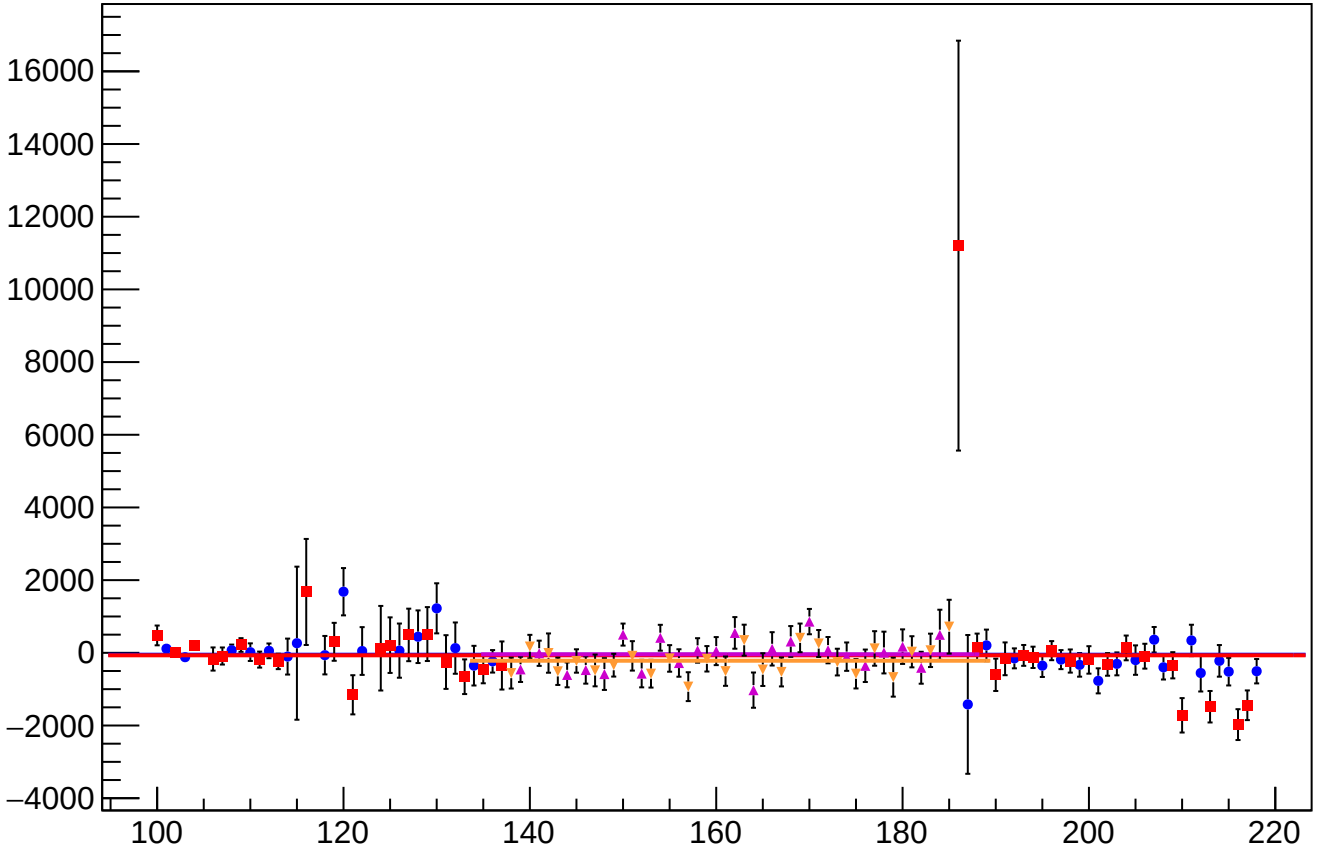
Left In: 69.436+/-0.012 χ^2/NDF:924607.6/22

+ sign 67.409+/-0.008 χ^2/NDF: 1872428.3/56

All: 67.188+/-0.005 χ^2/NDF: 4591419.2/115

- sign 66.962+/-0.008 χ^2/NDF: 2717317.1/58

asym_sam_15_avg_dit_correction_mean vs Slug



Right In: -51.686+/-45.963 χ^2/NDF: 32.3/31

Left Out: -217.349+/-80.133 χ^2/NDF:19.3/24

Right Out: -68.232+/-45.545 χ^2/NDF: 88.3/35

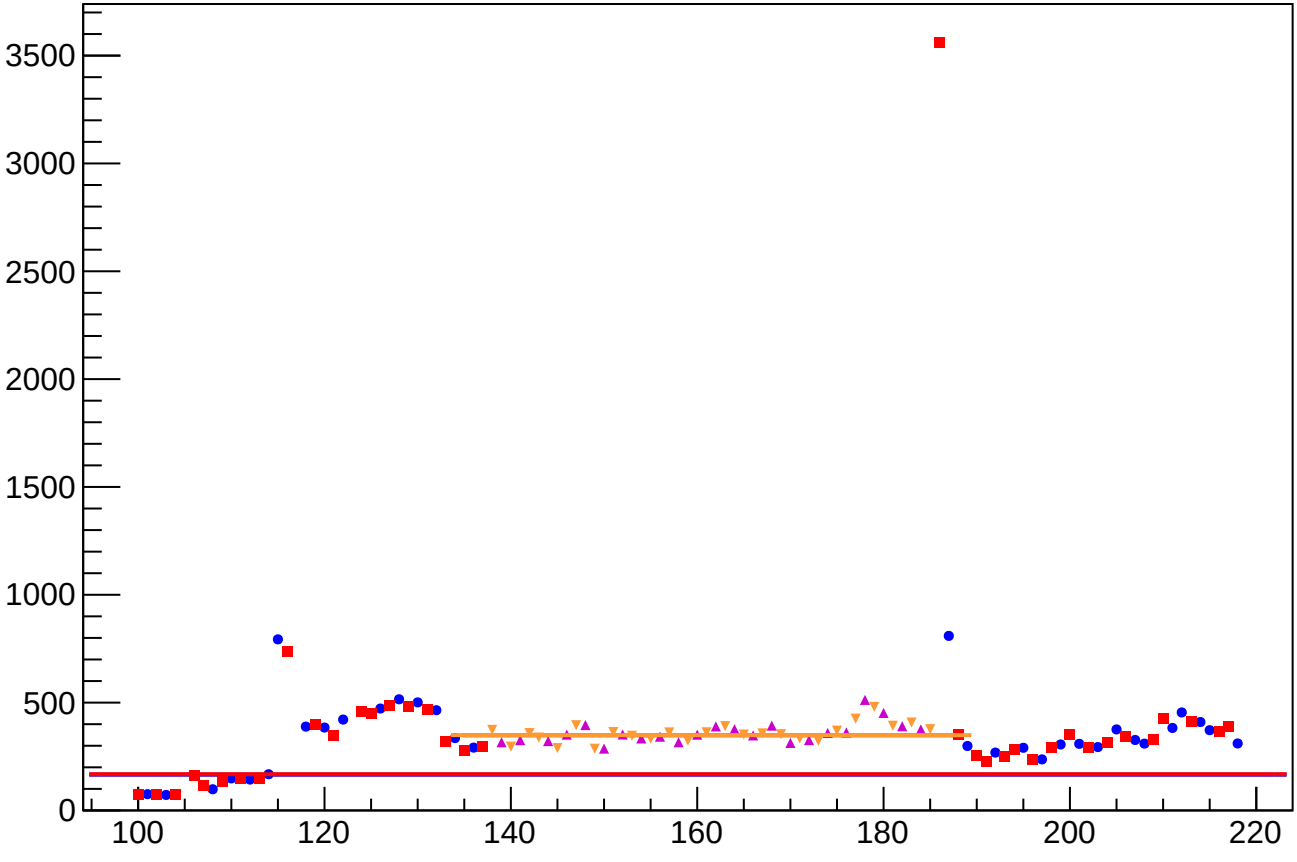
Left In: -41.512+/-82.256 χ^2/NDF:30.0/22

\+ sign -92.697+/-39.870 χ^2/NDF: 54.8/56

All: -77.320+/-28.184 χ^2/NDF: 173.5/115

\- sign -61.962+/-39.845 χ^2/NDF: 118.4/58

asym_sam_15_avg_dit_correction_rms vs Slug



Right In: 165.861+/-0.033 χ^2/NDF: 13841894.3/31

Left Out: 349.177+/-0.057 χ^2/NDF:524075.5/24

Right Out: 168.083+/-0.032 χ^2/NDF: 13567241.0/35

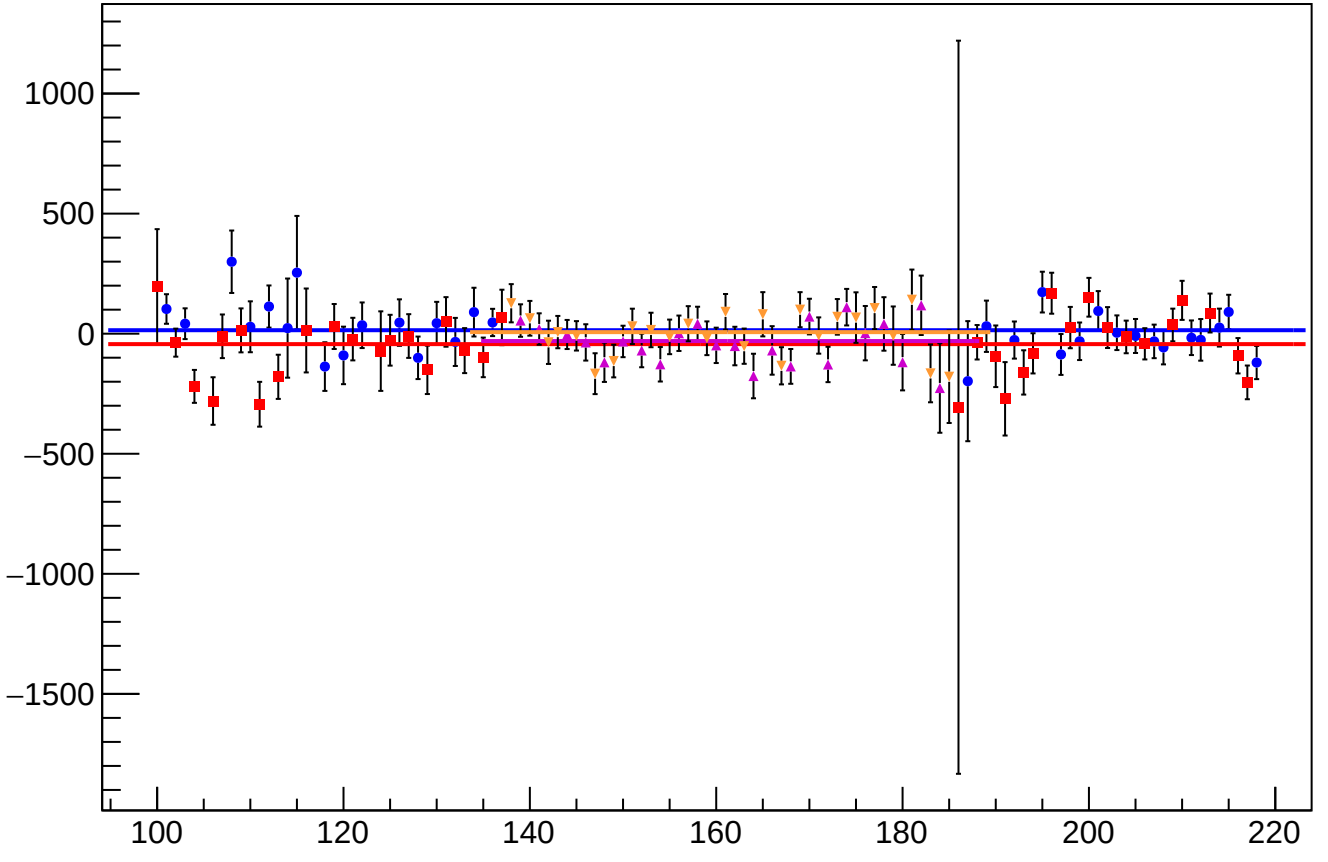
Left In: 348.560+/-0.058 χ^2/NDF:525743.6/22

+ sign 211.242+/-0.028 χ^2/NDF: 22241466.4/56

All: 210.836+/-0.020 χ^2/NDF: 43703715.0/11

- sign 210.431+/-0.028 χ^2/NDF: 21461834.4/58

eigen_dit_asym_sam_15_avg_mean vs Slug



Right In: 14.462+/-14.879 χ^2/NDF: 29.6/31

Left Out: 6.469+/-15.977 χ^2/NDF:25.1/24

Right Out: -43.468+/-14.696 χ^2/NDF: 59.9/35

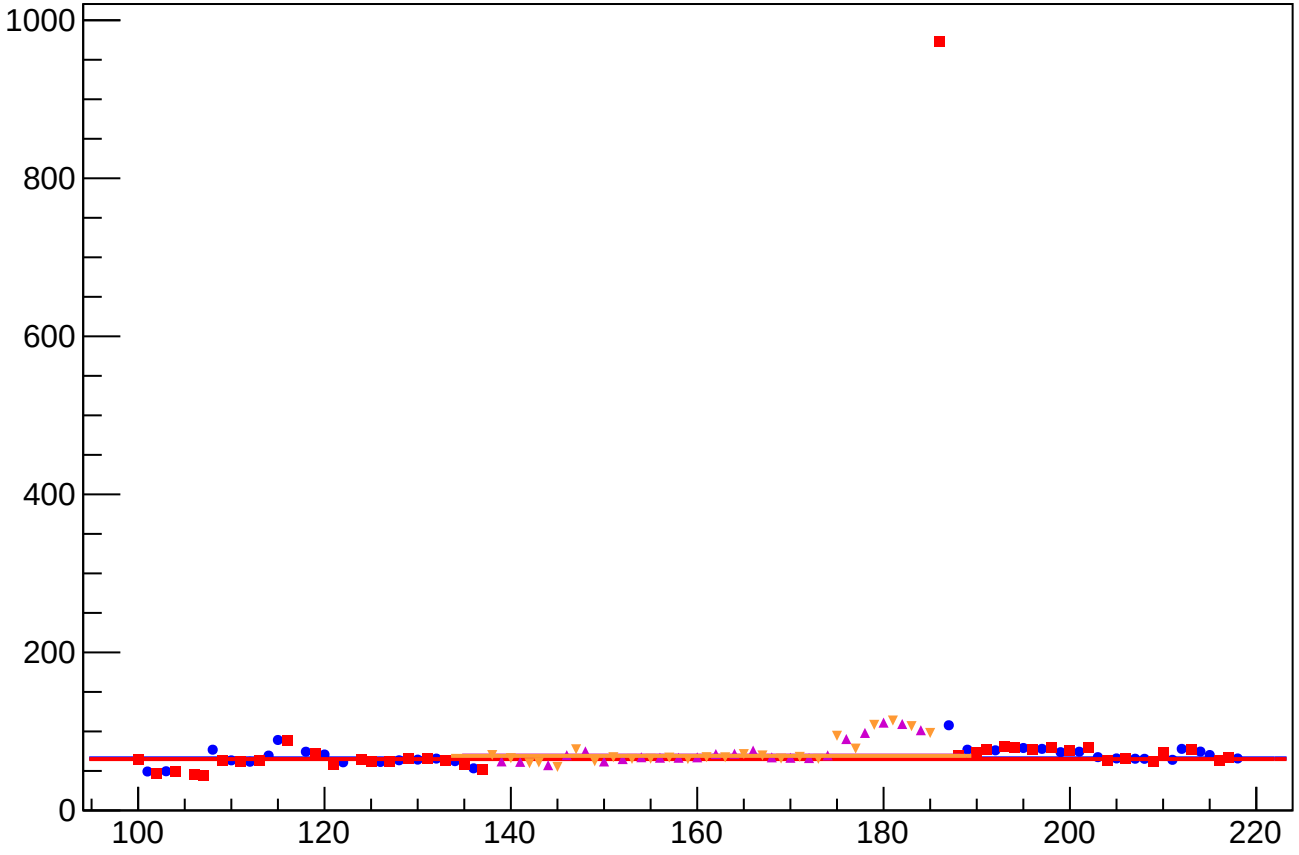
Left In: -30.662+/-16.503 χ^2/NDF:22.5/22

+ sign 10.750+/-10.889 χ^2/NDF: 54.8/56

All: -13.335+/-7.730 χ^2/NDF: 147.3/115

- sign -37.804+/-10.975 χ^2/NDF: 82.7/58

eigen_dit_asym_sam_15_avg_rms vs Slug



Right In: 65.962+/-0.011 χ^2/NDF: 757670.0/31

Left Out: 69.079+/-0.011 χ^2/NDF:1073983.7/24

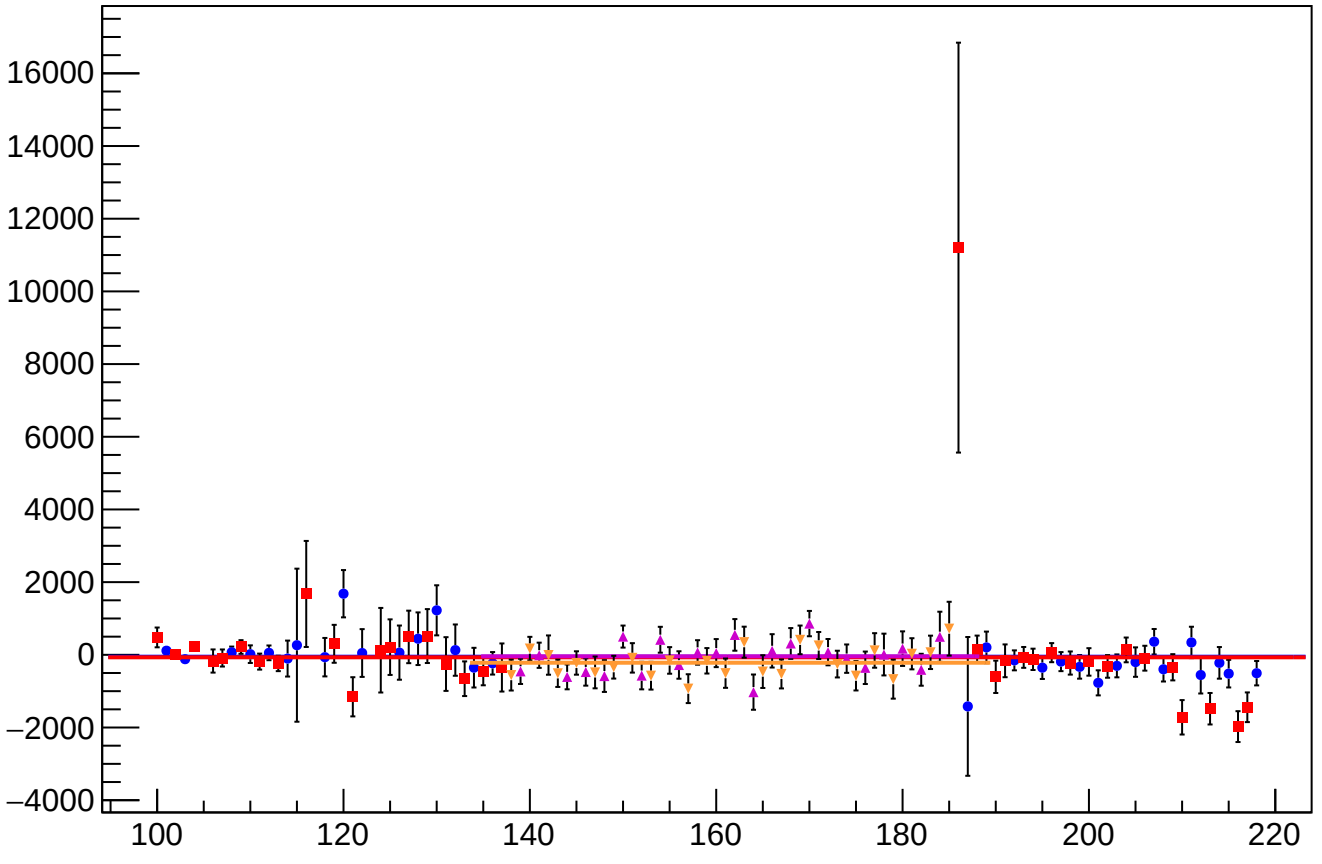
Right Out: 65.000+/-0.010 χ^2/NDF: 1712112.3/35

Left In: 69.436+/-0.012 χ^2/NDF:924591.6/22

+ sign 67.409+/-0.008 χ^2/NDF: 1872412.8/56

All: 67.188+/-0.005 χ^2/NDF: 4591395.1/115

- sign 66.962+/-0.008 χ^2/NDF: 2717308.6/58



Right In: -51.686+/-45.963 χ^2/NDF: 32.3/31

Left Out: -217.348+/-80.133 χ^2/NDF:19.3/24

Right Out: -68.232+/-45.545 χ^2/NDF: 88.3/35

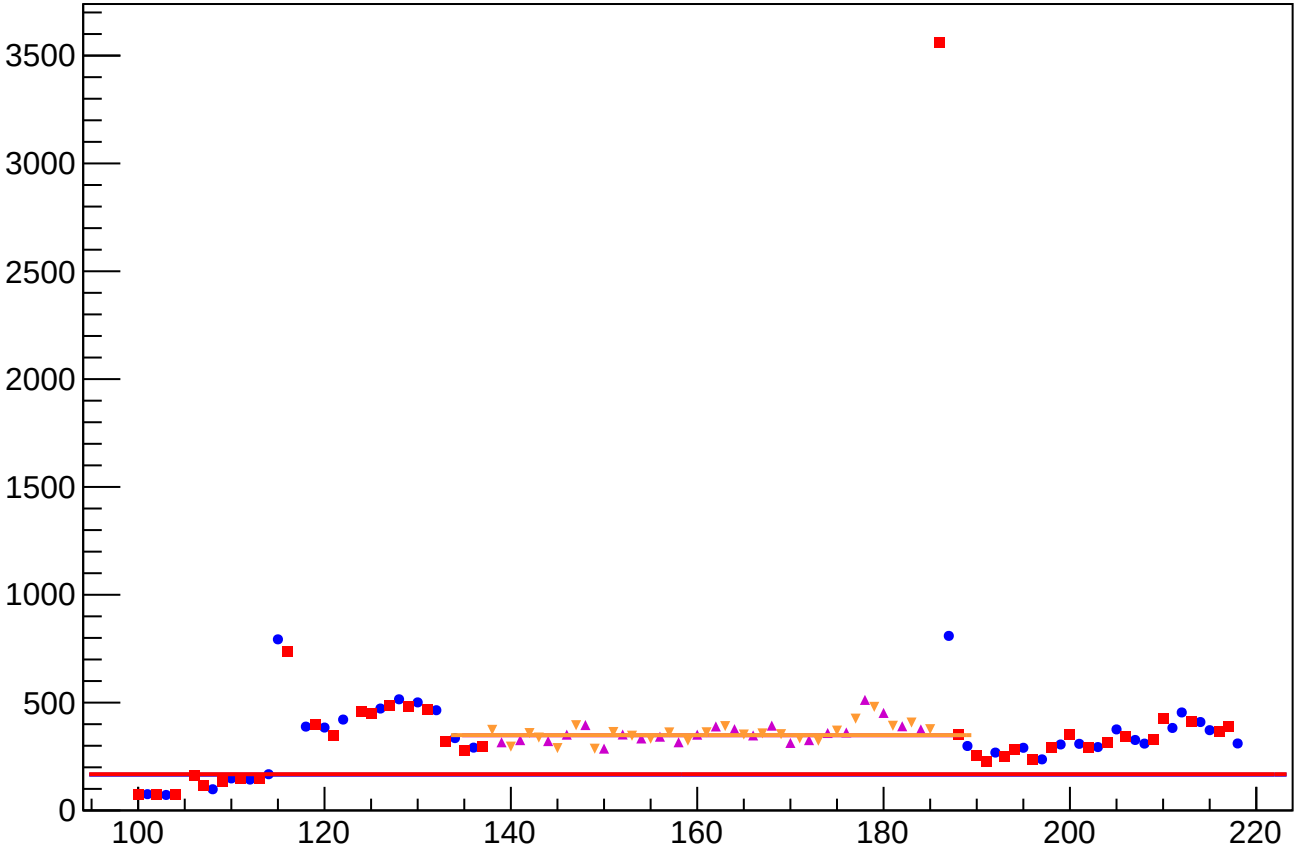
Left In: -41.512+/-82.256 χ^2/NDF:30.0/22

+ sign -92.696+/-39.870 χ^2/NDF: 54.8/56

All: -77.320+/-28.184 χ^2/NDF: 173.5/115

- sign -61.963+/-39.845 χ^2/NDF: 118.4/58

asym_sam_15_avg_eigen_dit_correction_rms vs Slug



Right In: 165.861+/-0.033 χ^2/NDF: 13841912.1/31

Left Out: 349.177+/-0.057 χ^2/NDF:524067.1/24

Right Out: 168.082+/-0.032 χ^2/NDF: 13567279.9/35

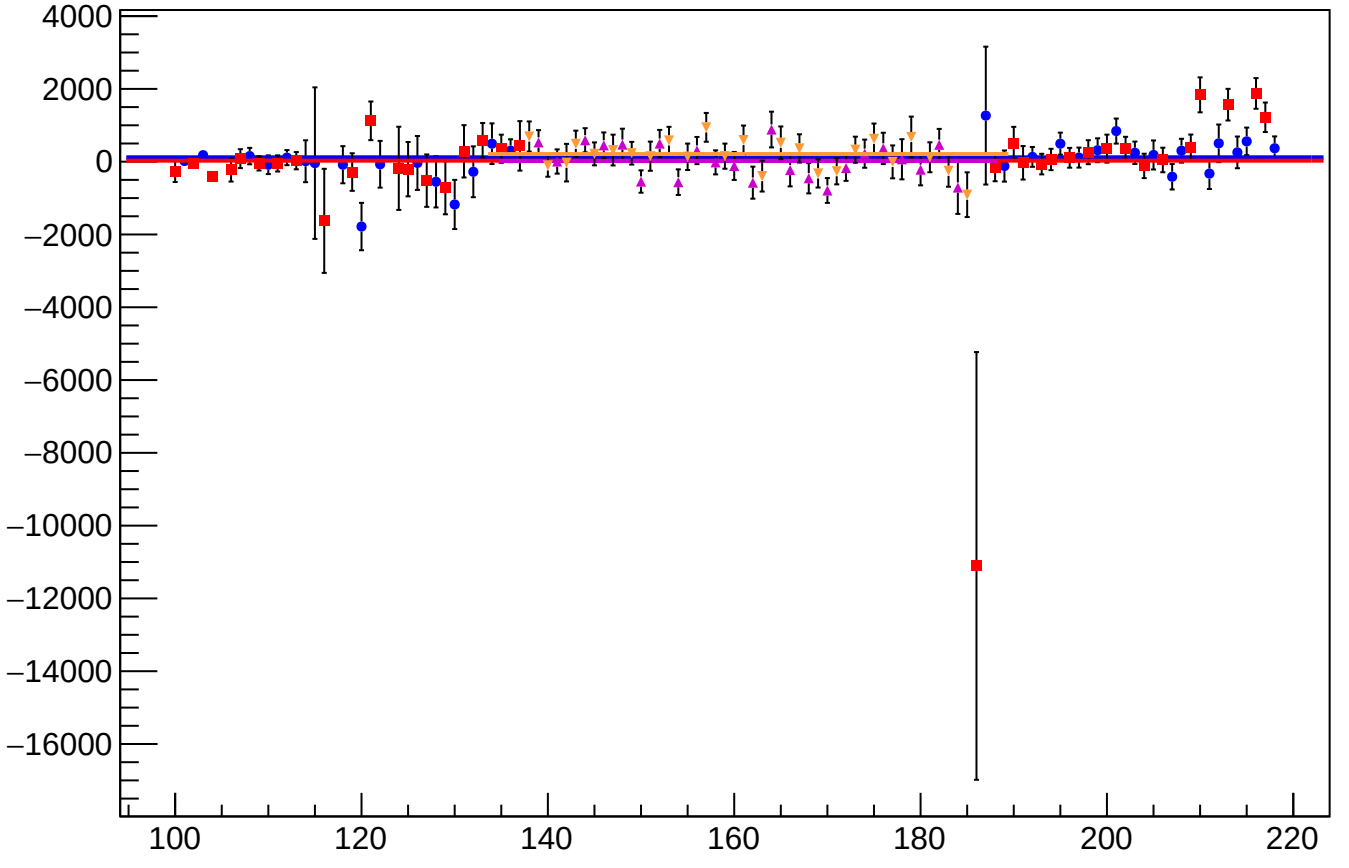
Left In: 348.560+/-0.058 χ^2/NDF:525736.6/22

+ sign 211.242+/-0.028 χ^2/NDF: 22241538.1/56

All: 210.836+/-0.020 χ^2/NDF: 43703893.1/11

- sign 210.430+/-0.028 χ^2/NDF: 21461940.7/58

asym_sam_15_avg_mean vs Slug



Right In: 120.556+/-49.271 χ^2/NDF: 30.0/31

Left Out: 209.819+/-78.511 χ^2/NDF:21.4/24

Right Out: 28.219+/-48.475 χ^2/NDF: 91.1/35

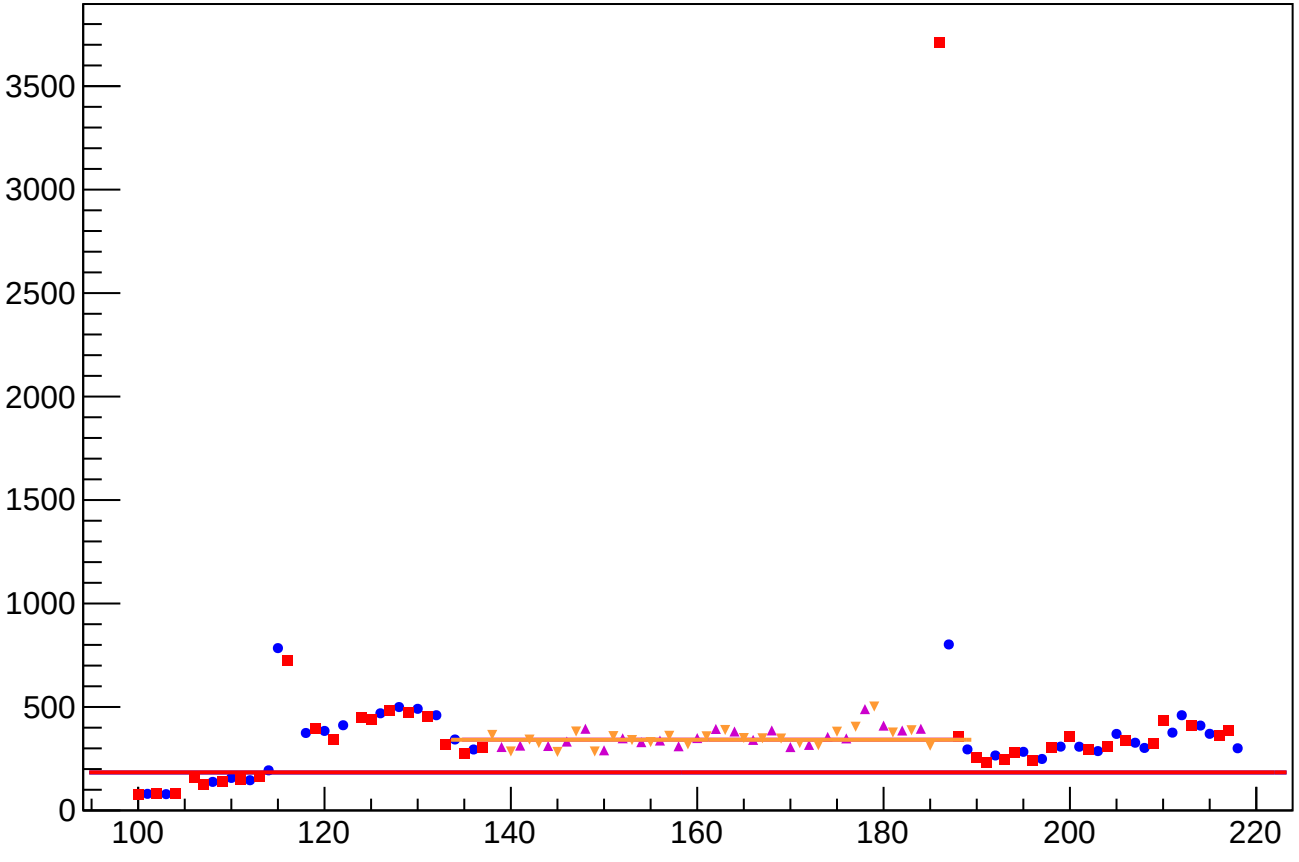
Left In: 18.738+/-80.699 χ^2/NDF:32.0/22

+ sign 145.778+/-41.734 χ^2/NDF: 52.4/56

All: 85.483+/-29.447 χ^2/NDF: 179.6/115

- sign 25.705+/-41.555 χ^2/NDF: 123.1/58

asym_sam_15_avg_rms vs Slug



Right In: 183.280+/-0.035 χ^2/NDF: 12042606.4/31

Left Out: 341.585+/-0.056 χ^2/NDF:554287.8/24

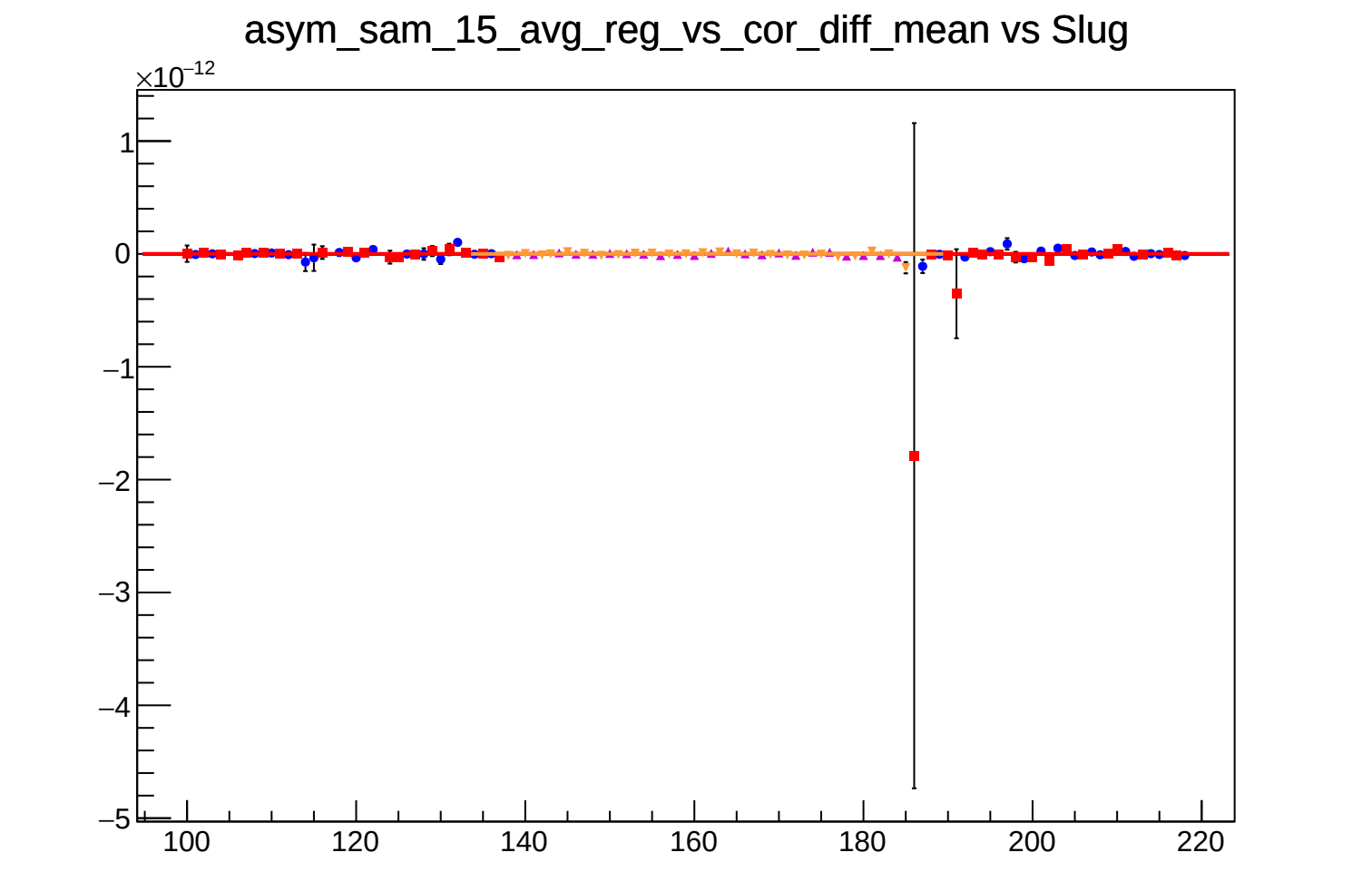
Right Out: 184.054+/-0.034 χ^2/NDF: 11889700.9/35

Left In: 341.943+/-0.057 χ^2/NDF:485509.1/22

+ sign 228.010+/-0.030 χ^2/NDF: 18430512.5/56

All: 226.960+/-0.021 χ^2/NDF: 36434089.7/11

- sign 225.919+/-0.029 χ^2/NDF: 18001055.5/58



Right In: -0.000+/-0.000 χ^2/NDF: 38.3/31

Left Out: 0.000+/-0.000 χ^2/NDF:28.6/24

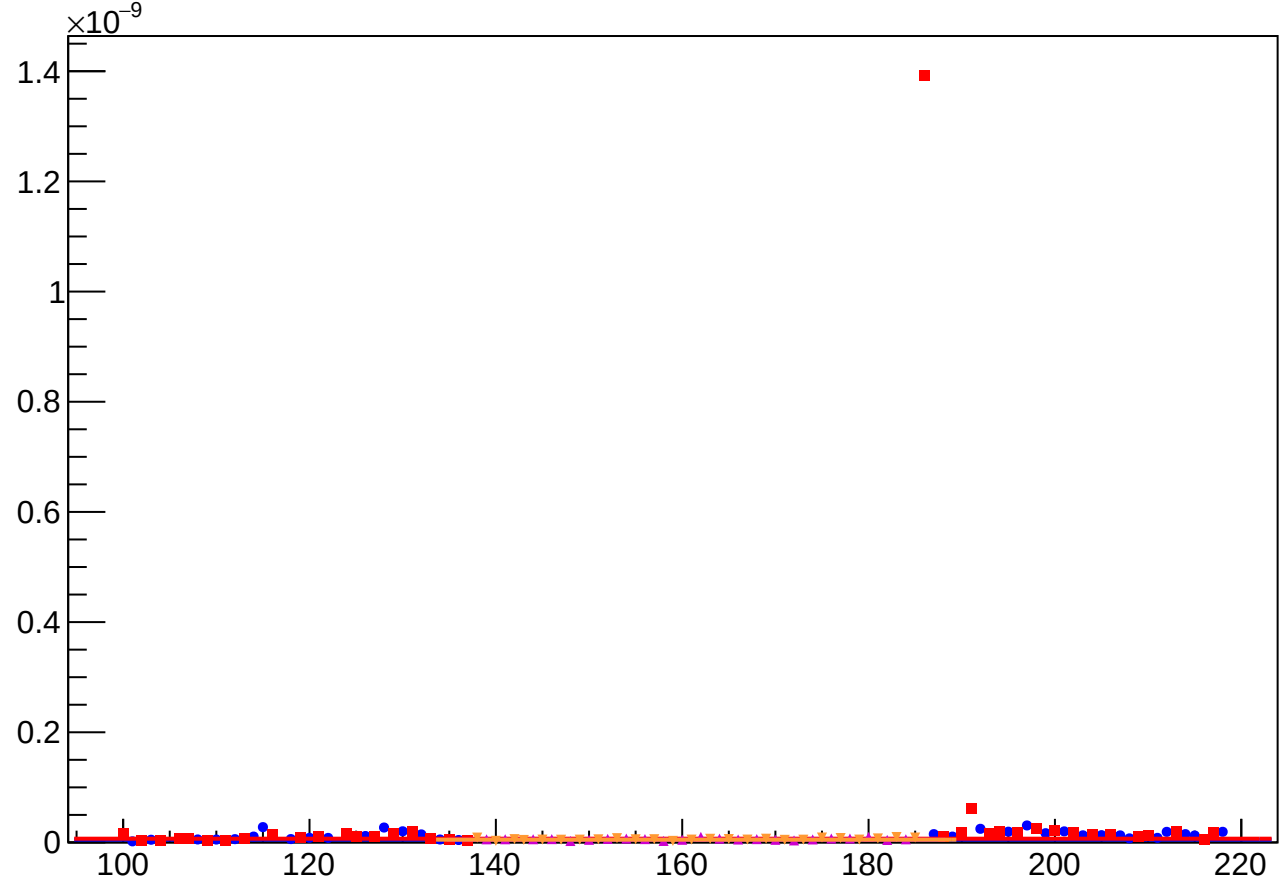
Right Out: 0.000+/-0.000 χ^2/NDF: 25.3/35

Left In: -0.000+/-0.000 χ^2/NDF:20.5/22

\+ sign -0.000+/-0.000 χ^2/NDF: 67.0/56

All: -0.000+/-0.000 χ^2/NDF: 113.1/115

\- sign -0.000+/-0.000 χ^2/NDF: 46.0/58



Right In: 0.000+/-0.000 χ^2/NDF: 7826146.9/31

Left Out: 0.000+/-0.000 χ^2/NDF:1294137.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6011420.4/35

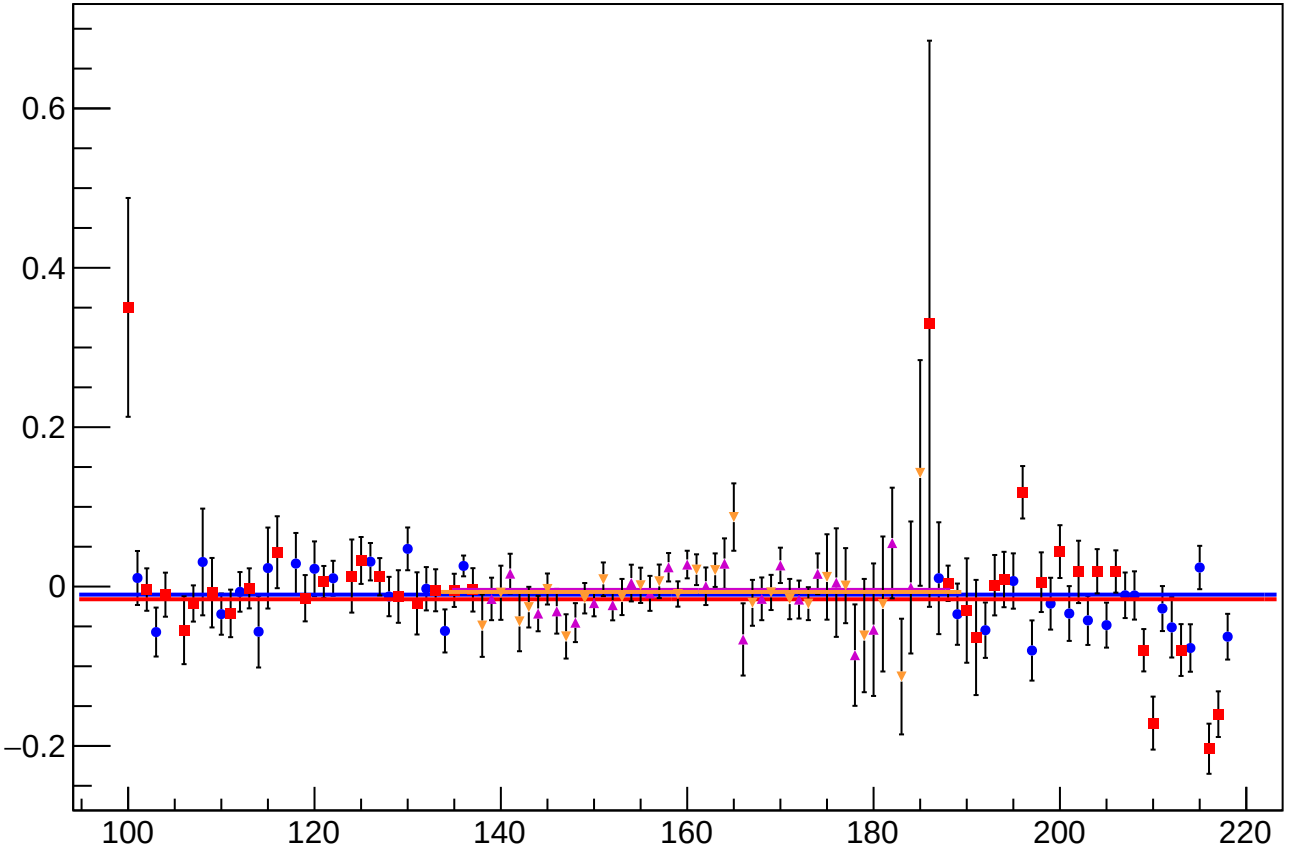
Left In: 0.000+/-0.000 χ^2/NDF:1225248.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 9125231.8/56

All: 0.000+/-0.000 χ^2/NDF: 17019086.0/115

- sign 0.000+/-0.000 χ^2/NDF: 7785330.5/58

asym_sam_15_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.010+/-0.005 χ^2/NDF: 47.5/31

Left Out: -0.007+/-0.005 χ^2/NDF:21.8/24

Right Out: -0.016+/-0.005 χ^2/NDF: 136.8/35

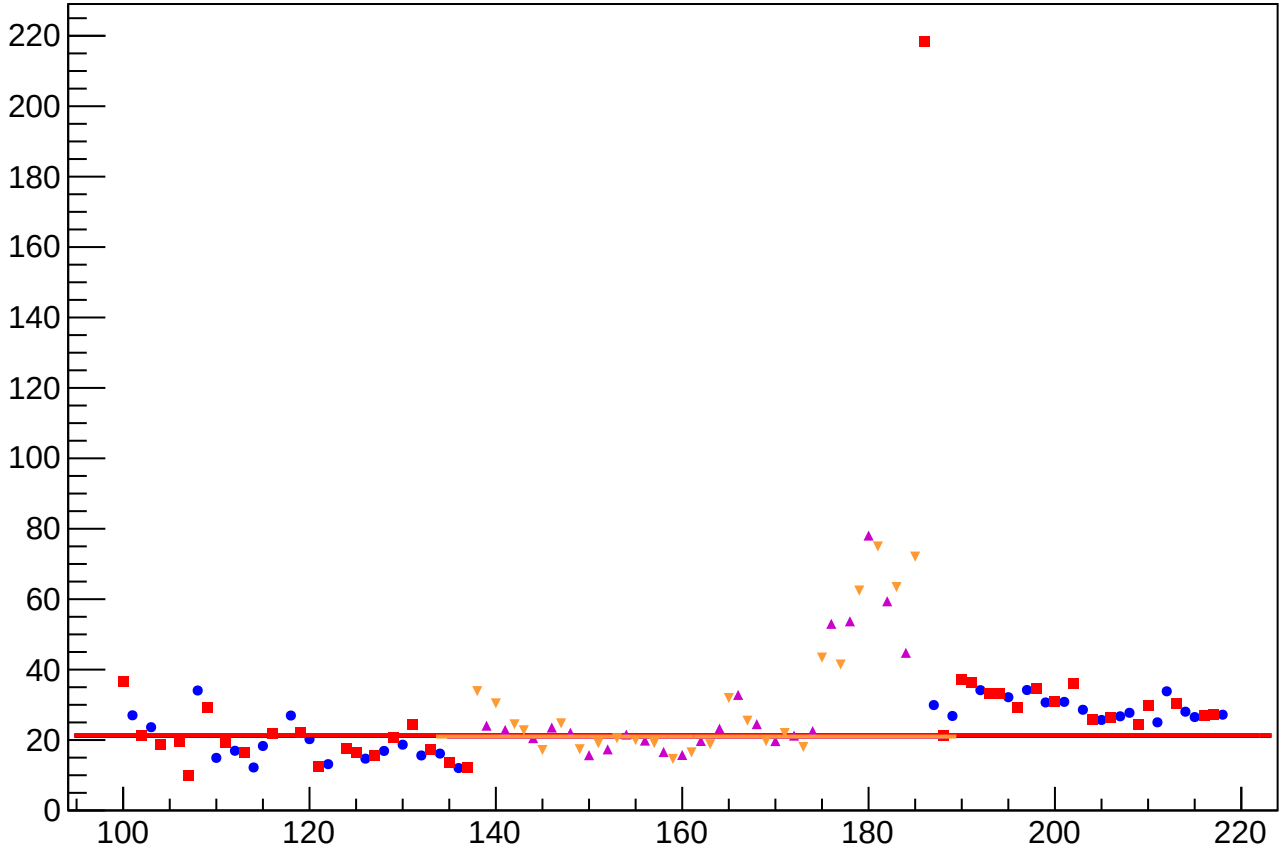
Left In: -0.004+/-0.005 χ^2/NDF:23.2/22

+ sign -0.008+/-0.004 χ^2/NDF: 69.4/56

All: -0.009+/-0.003 χ^2/NDF: 232.0/115

- sign -0.010+/-0.004 χ^2/NDF: 162.5/58

asym_sam_15_avg_dit_vs_cor_diff_rms vs Slug



Right In: 21.178+/-0.004 χ^2/NDF: 4074881.4/31

Left Out: 20.981+/-0.004 χ^2/NDF:4467011.5/24

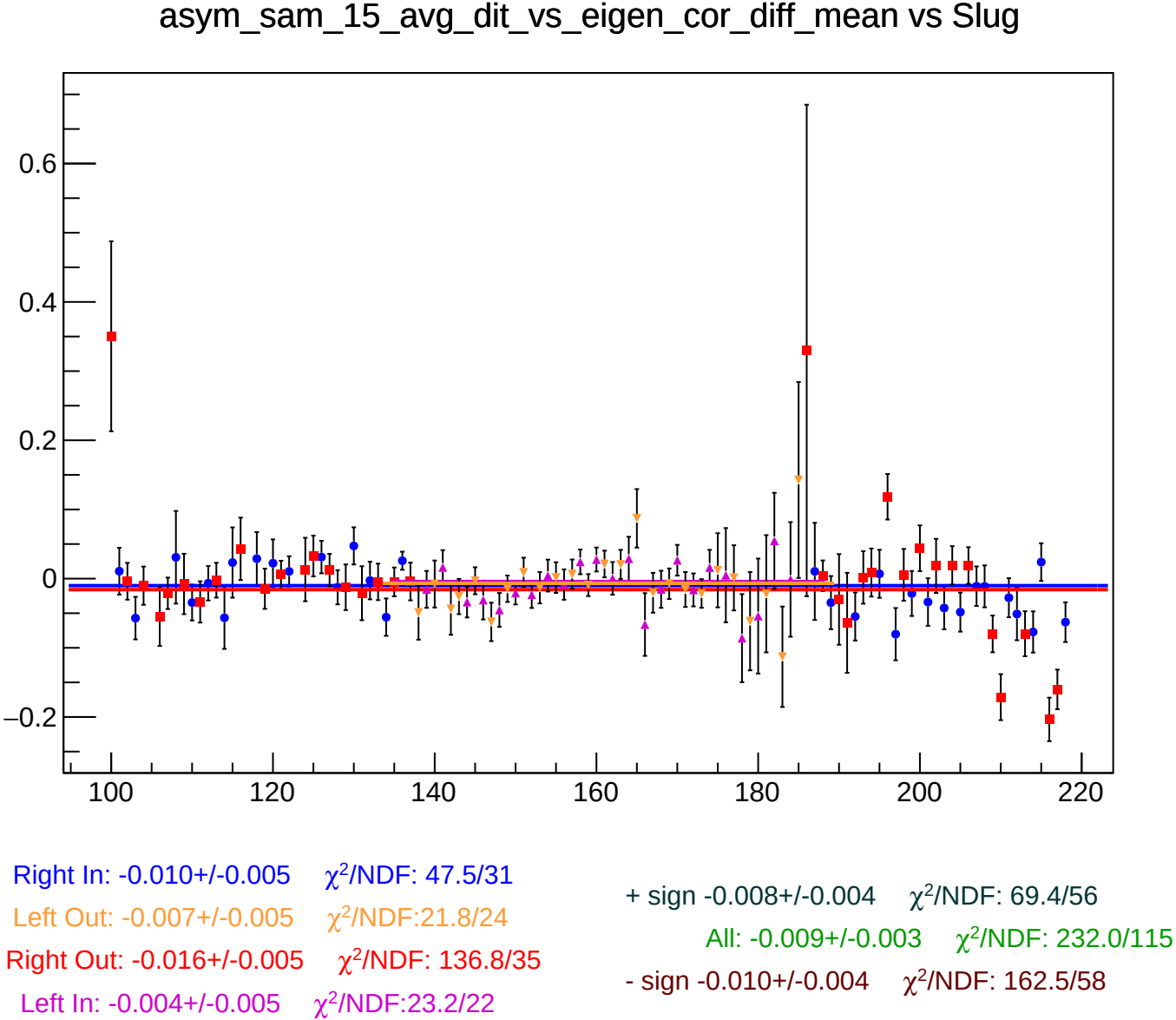
Right Out: 21.424+/-0.004 χ^2/NDF: 4469142.3/35

Left In: 20.868+/-0.004 χ^2/NDF:3534877.7/22

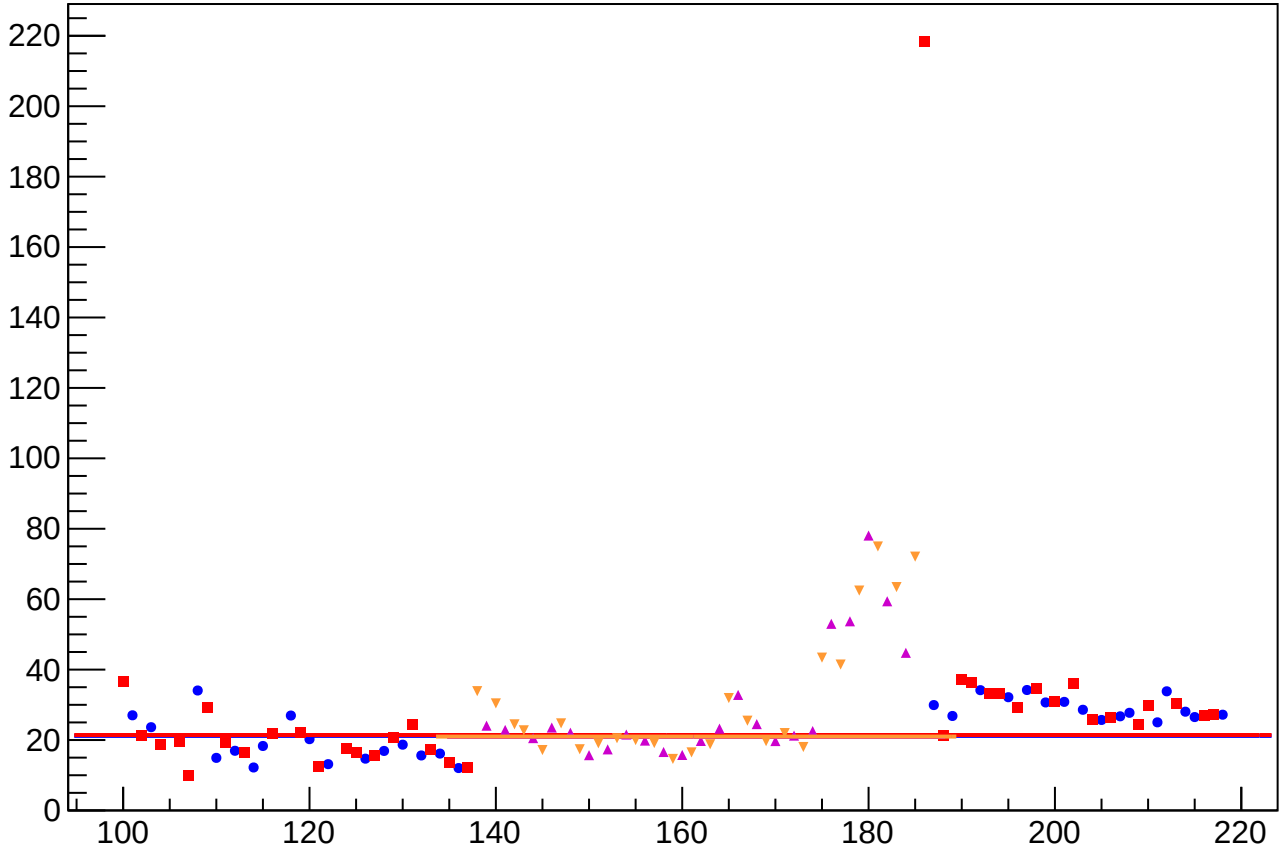
+ sign 21.081+/-0.003 χ^2/NDF: 8543354.3/56

All: 21.118+/-0.002 χ^2/NDF: 16559218.9/115

- sign 21.155+/-0.003 χ^2/NDF: 8015457.6/58


asym_sam_15_avg_dit_vs_eigen_cor_diff_mean vs Slug
0.6
0.4
0.2
0
−0.2
100
120
140
160
180
200
220
Right In: -0.010+/-0.005 χ²/NDF: 47.5/31
Left Out: -0.007+/-0.005 χ²/NDF:21.8/24
Right Out: -0.016+/-0.005 χ²/NDF: 136.8/35
Left In: -0.004+/-0.005 χ²/NDF:23.2/22
+ sign -0.008+/-0.004 χ²/NDF: 69.4/56
All: -0.009+/-0.003 χ²/NDF: 232.0/115
- sign -0.010+/-0.004 χ²/NDF: 162.5/58

asym_sam_15_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 21.178+/-0.004 χ^2/NDF: 4074881.4/31

Left Out: 20.981+/-0.004 χ^2/NDF:4467011.5/24

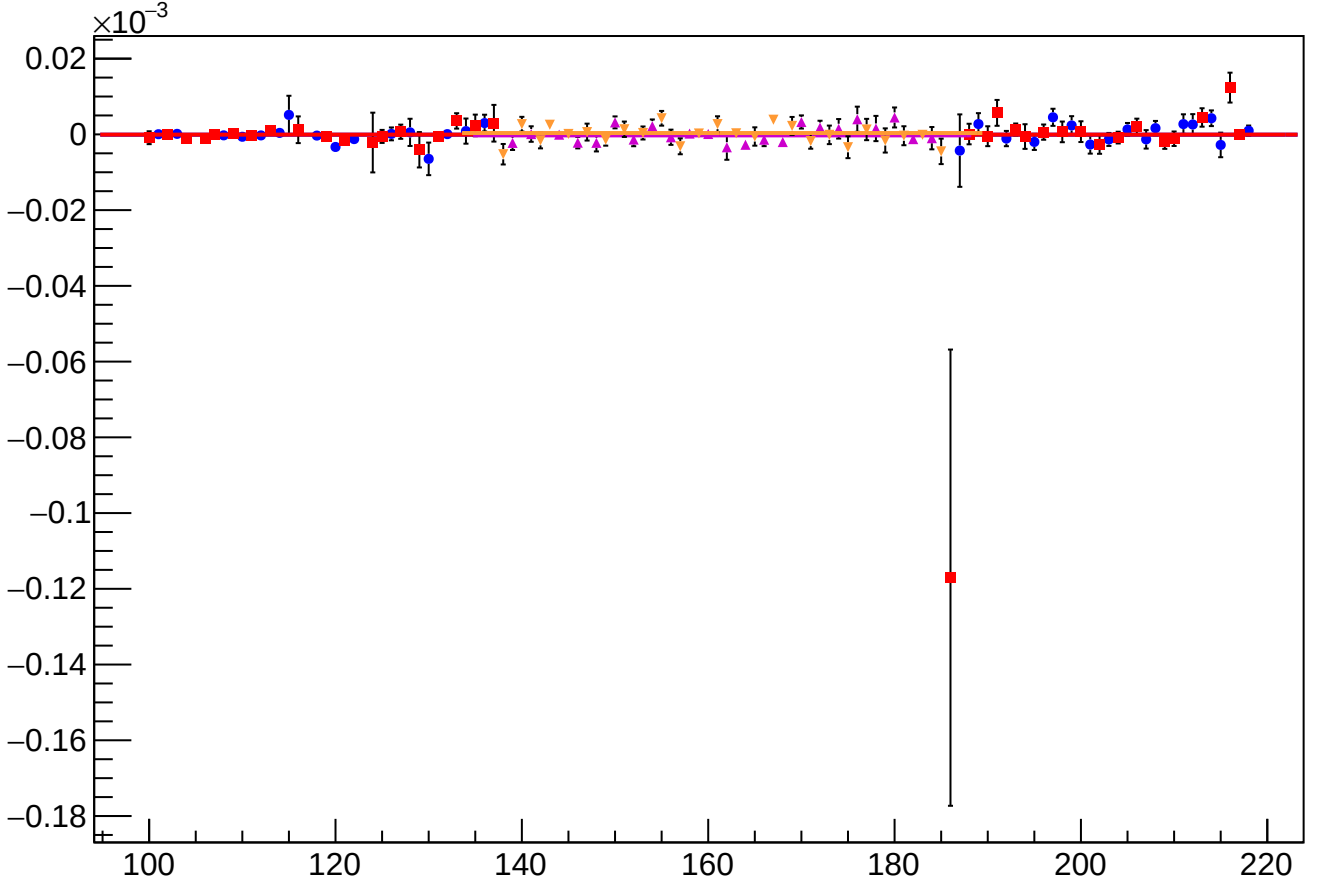
Right Out: 21.424+/-0.004 χ^2/NDF: 4469142.3/35

Left In: 20.868+/-0.004 χ^2/NDF:3534877.7/22

\+ sign 21.081+/-0.003 χ^2/NDF: 8543354.3/56

All: 21.118+/-0.002 χ^2/NDF: 16559218.9/115

\- sign 21.155+/-0.003 χ^2/NDF: 8015457.6/58



Right In: -0.000+/-0.000 χ^2/NDF: 33.5/31

Left Out: 0.000+/-0.000 χ^2/NDF:34.2/24

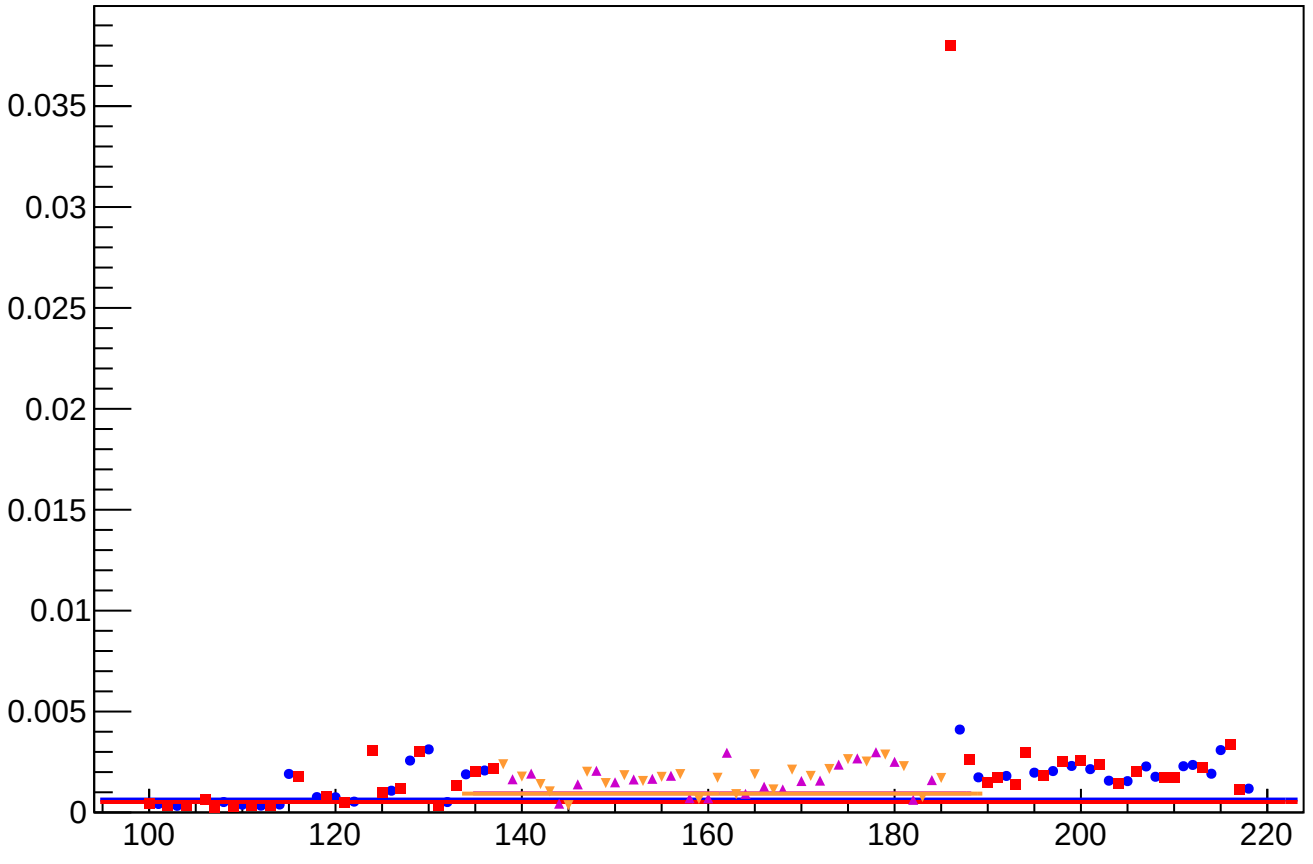
Right Out: -0.000+/-0.000 χ^2/NDF: 45.0/35

Left In: -0.000+/-0.000 χ^2/NDF:31.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 69.7/56

All: -0.000+/-0.000 χ^2/NDF: 147.5/115

- sign -0.000+/-0.000 χ^2/NDF: 77.0/58



Right In: 0.001+/-0.000 χ^2/NDF: 16564608.8/31

Left Out: 0.001+/-0.000 χ^2/NDF:11996378.8/24

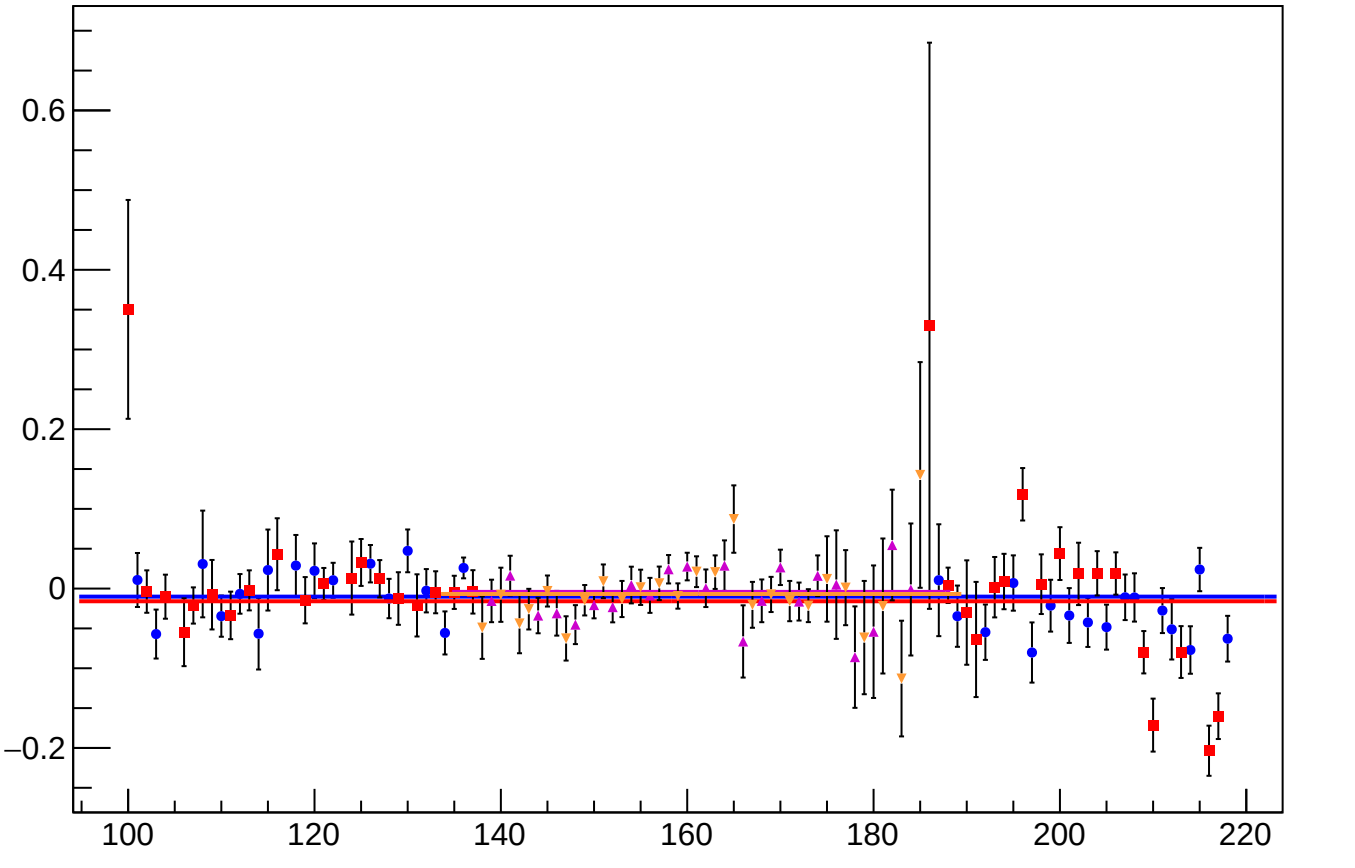
Right Out: 0.001+/-0.000 χ^2/NDF: 19498108.4/35

Left In: 0.001+/-0.000 χ^2/NDF:9470540.4/22

+ sign 0.001+/-0.000 χ^2/NDF: 30198157.3/56

All: 0.001+/-0.000 χ^2/NDF: 63500597.0/115

- sign 0.001+/-0.000 χ^2/NDF: 32803861.5/58



Right In: -0.010+/-0.005 χ^2/NDF: 47.5/31

Left Out: -0.007+/-0.005 χ^2/NDF:21.8/24

Right Out: -0.016+/-0.005 χ^2/NDF: 136.8/35

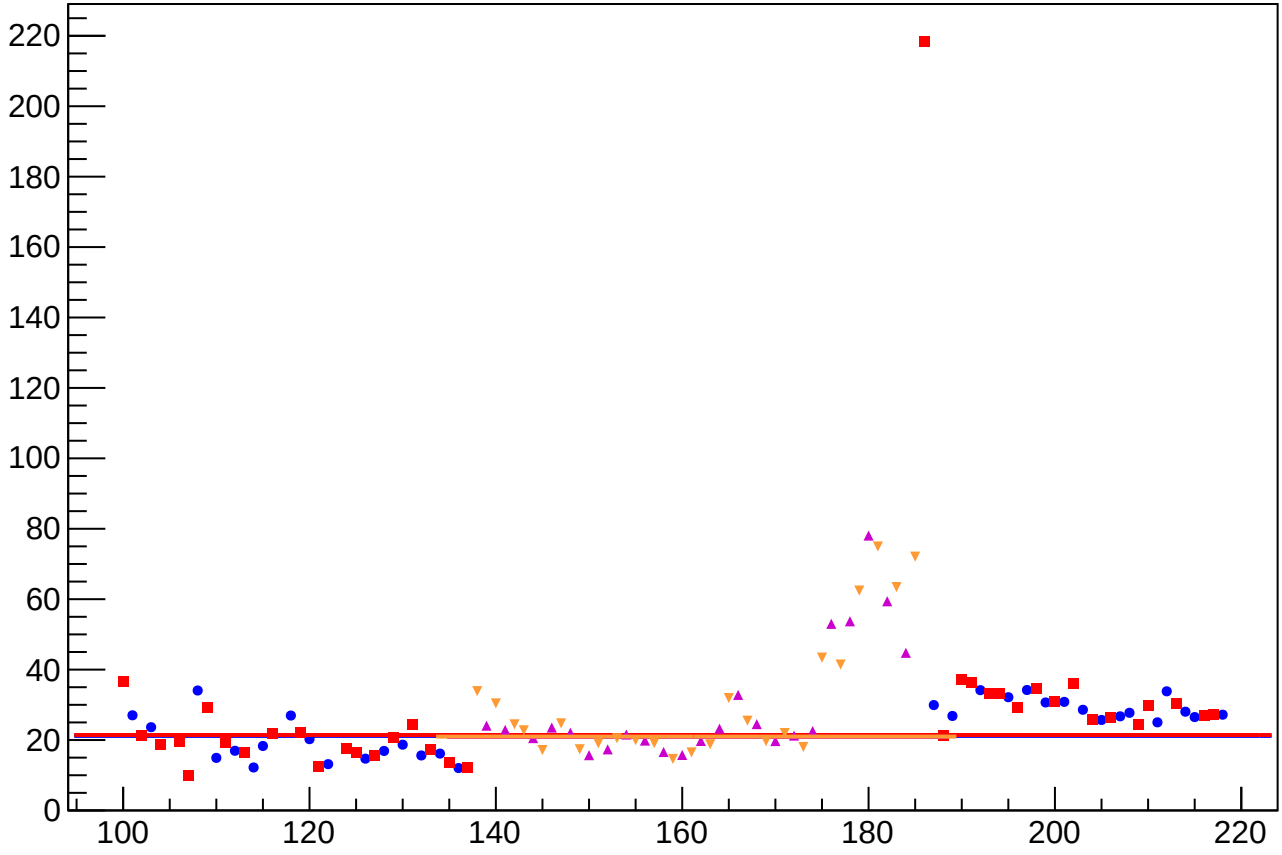
Left In: -0.004+/-0.005 χ^2/NDF:23.2/22

+ sign -0.008+/-0.004 χ^2/NDF: 69.4/56

All: -0.009+/-0.003 χ^2/NDF: 232.0/115

- sign -0.010+/-0.004 χ^2/NDF: 162.5/58

asym_sam_15_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 21.178+/-0.004 χ^2/NDF: 4074874.0/31

Left Out: 20.981+/-0.004 χ^2/NDF:4466984.6/24

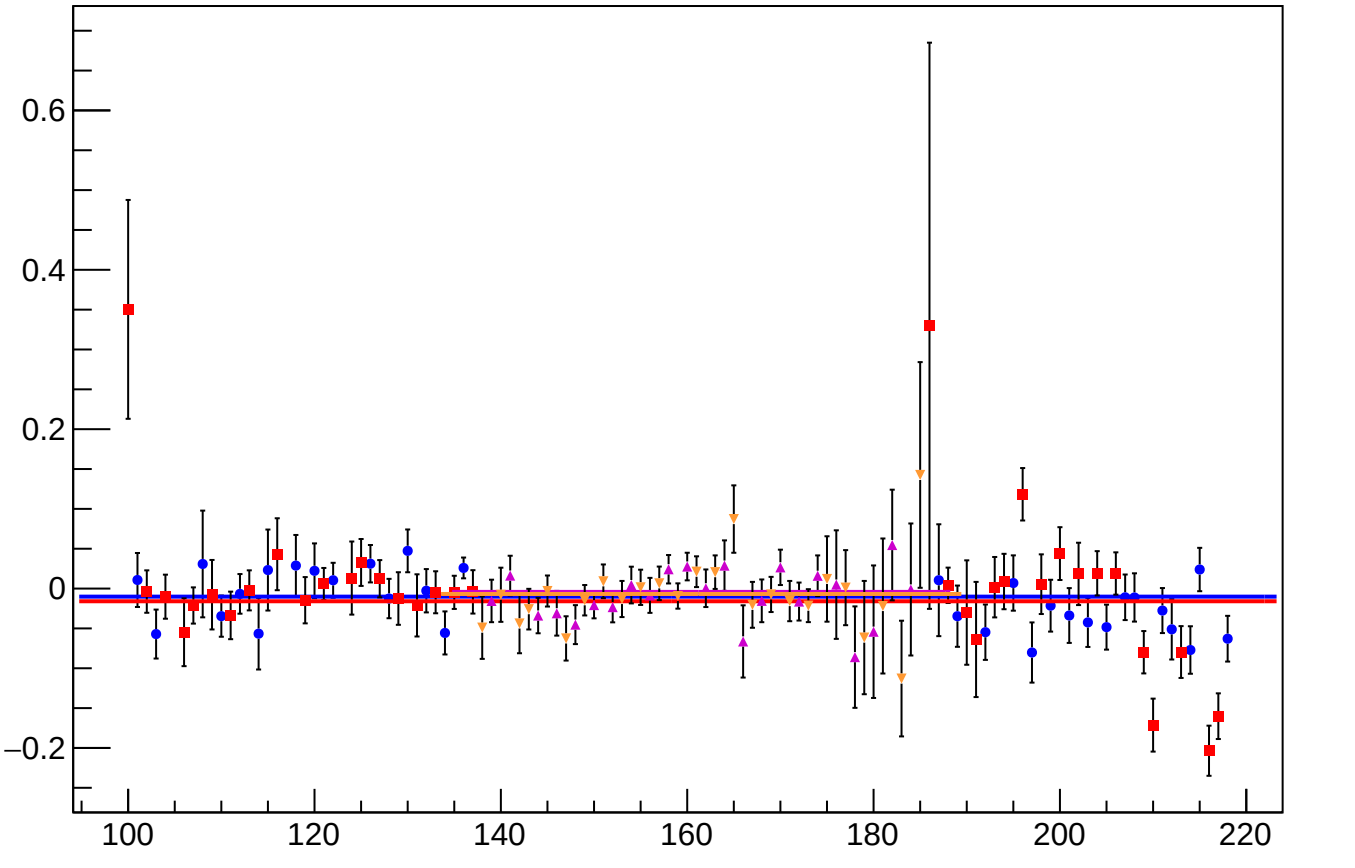
Right Out: 21.424+/-0.004 χ^2/NDF: 4469144.5/35

Left In: 20.868+/-0.004 χ^2/NDF:3534923.5/22

\+ sign 21.081+/-0.003 χ^2/NDF: 8543314.8/56

All: 21.118+/-0.002 χ^2/NDF: 16559212.1/115

\- sign 21.155+/-0.003 χ^2/NDF: 8015491.0/58



Right In: -0.010+/-0.005 χ^2/NDF: 47.5/31

Left Out: -0.007+/-0.005 χ^2/NDF:21.8/24

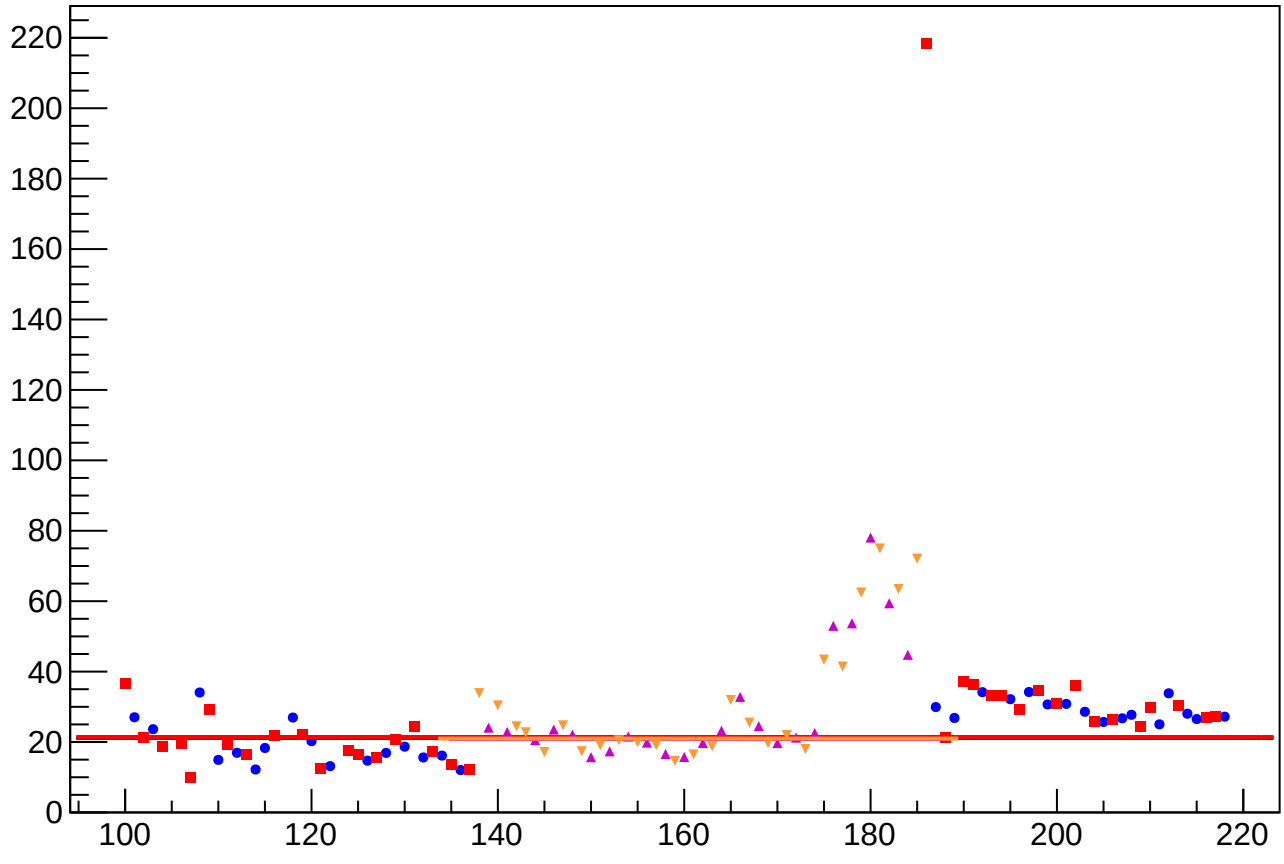
Right Out: -0.016+/-0.005 χ^2/NDF: 136.8/35

Left In: -0.004+/-0.005 χ^2/NDF:23.2/22

+ sign -0.008+/-0.004 χ^2/NDF: 69.4/56

All: -0.009+/-0.003 χ^2/NDF: 232.0/115

- sign -0.010+/-0.004 χ^2/NDF: 162.5/58



Right In: 21.178+/-0.004 χ^2/NDF: 4074874.0/31

Left Out: 20.981+/-0.004 χ^2/NDF:4466984.6/24

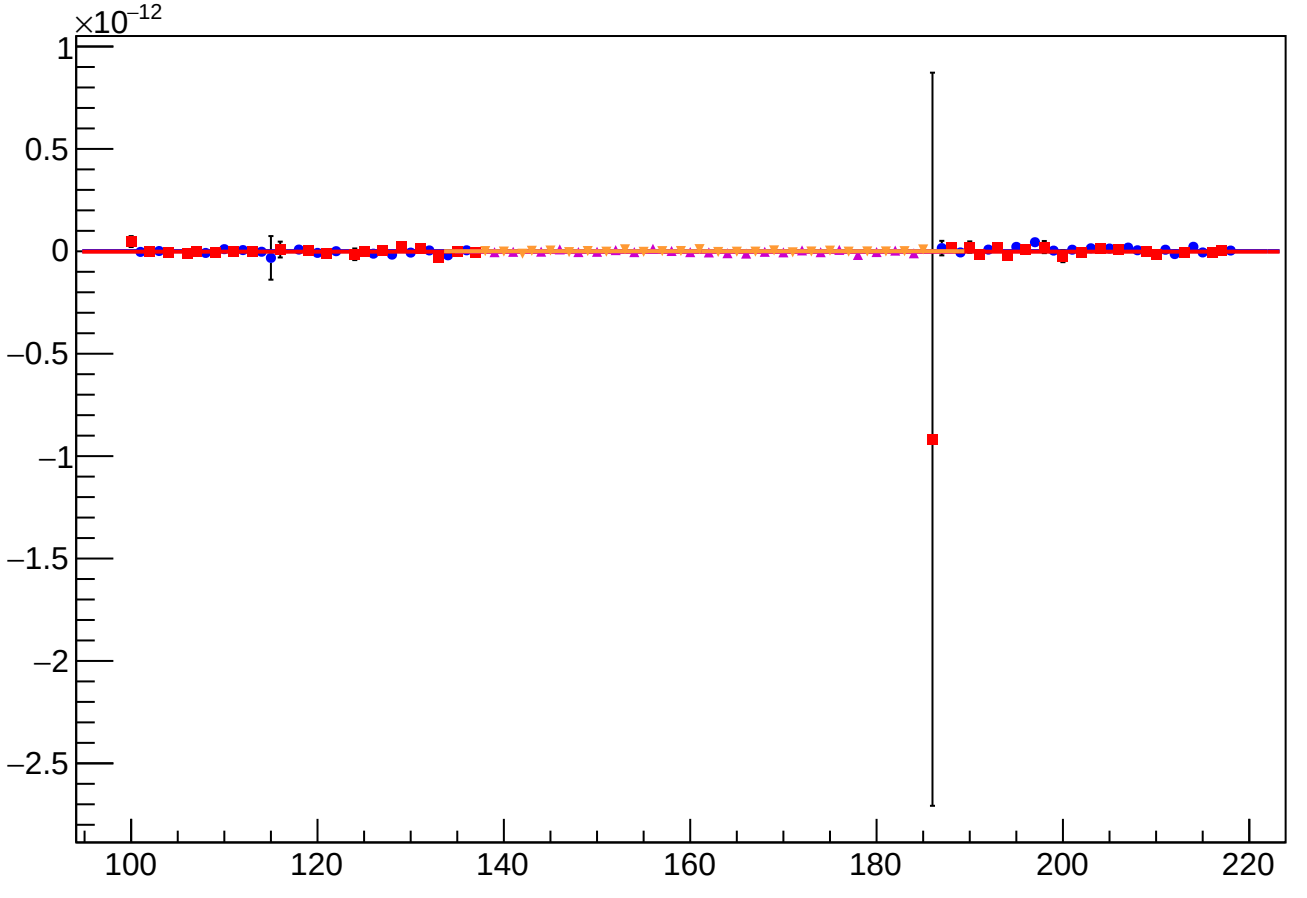
Right Out: 21.424+/-0.004 χ^2/NDF: 4469144.5/35

Left In: 20.868+/-0.004 χ^2/NDF:3534923.5/22

+ sign 21.081+/-0.003 χ^2/NDF: 8543314.8/56

All: 21.118+/-0.002 χ^2/NDF: 16559212.1/115

- sign 21.155+/-0.003 χ^2/NDF: 8015491.0/58



Right In: 0.000+/-0.000 χ^2/NDF: 28.6/31

Left Out: 0.000+/-0.000 χ^2/NDF:14.6/24

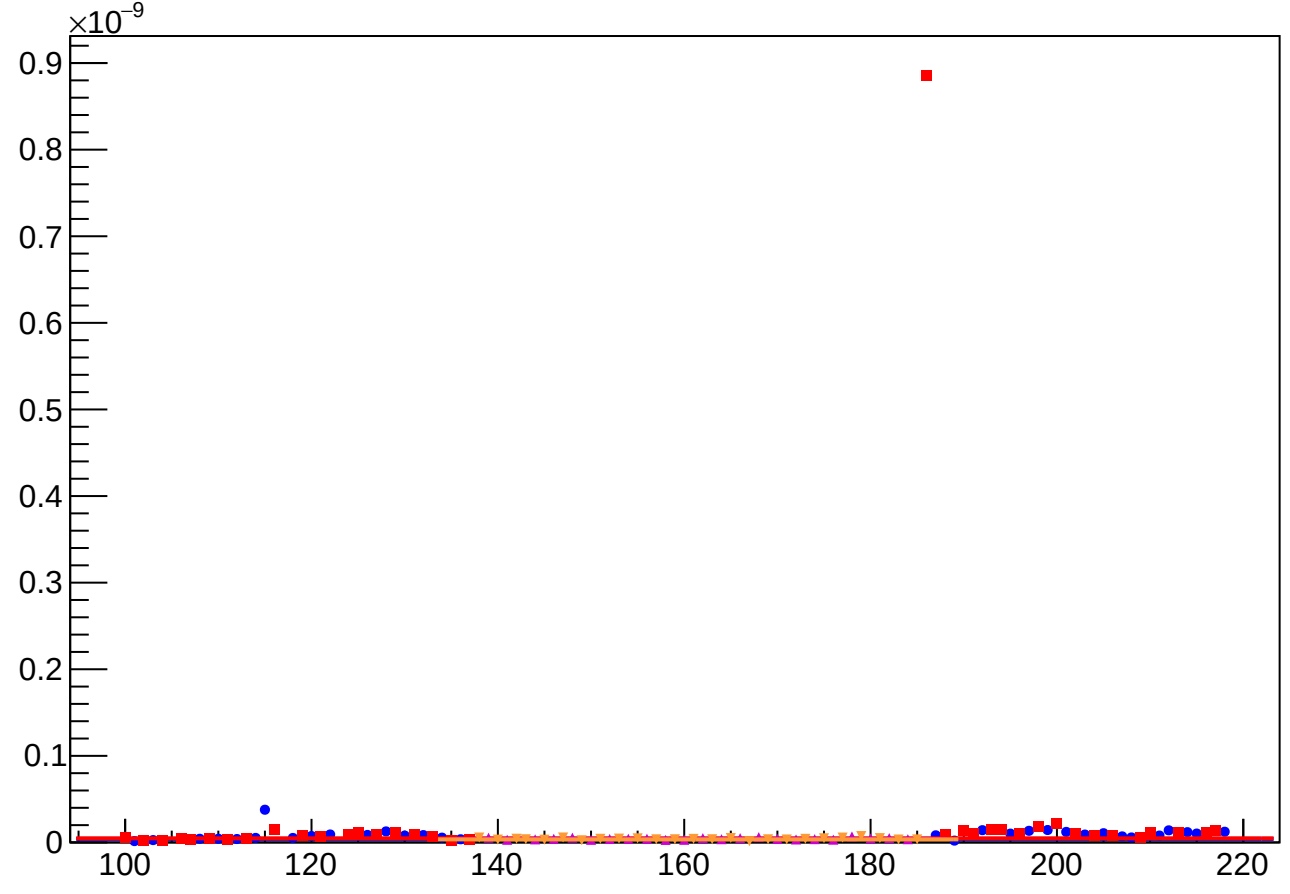
Right Out: -0.000+/-0.000 χ^2/NDF: 27.0/35

Left In: -0.000+/-0.000 χ^2/NDF:26.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 43.3/56

All: -0.000+/-0.000 χ^2/NDF: 99.0/115

- sign -0.000+/-0.000 χ^2/NDF: 53.8/58



Right In: 0.000+/-0.000 χ^2/NDF: 9701921.7/31

Left Out: 0.000+/-0.000 χ^2/NDF:2527443.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9456244.4/35

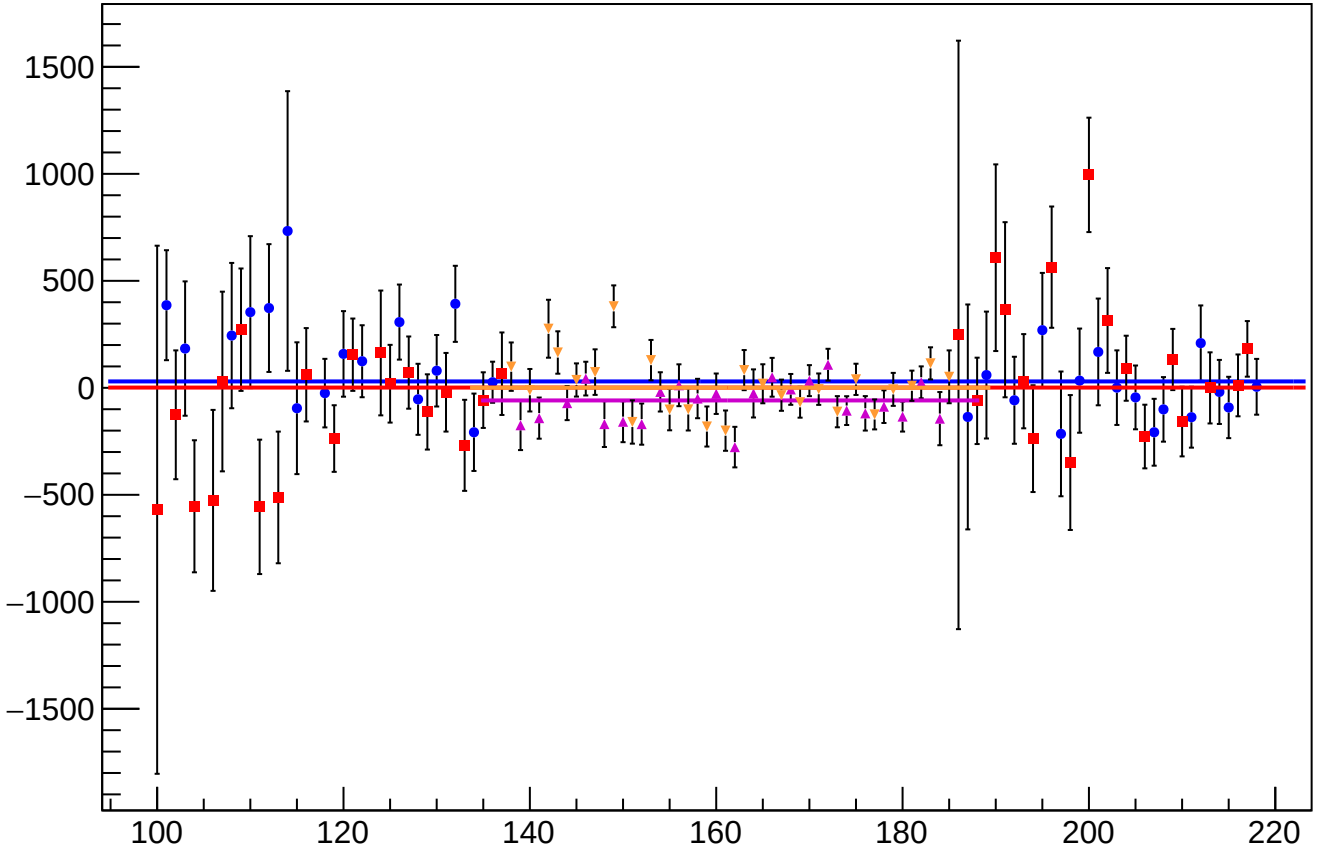
Left In: 0.000+/-0.000 χ^2/NDF:1198286.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 12422040.6/56

All: 0.000+/-0.000 χ^2/NDF: 23711708.5/115

- sign 0.000+/-0.000 χ^2/NDF: 11022083.2/58

reg_asym_sam_26_avg_mean vs Slug



Right In: 29.943+/-32.700 χ^2/NDF: 24.3/31

Left Out: 0.598+/-17.319 χ^2/NDF:48.6/24

Right Out: 1.215+/-34.186 χ^2/NDF: 49.0/35

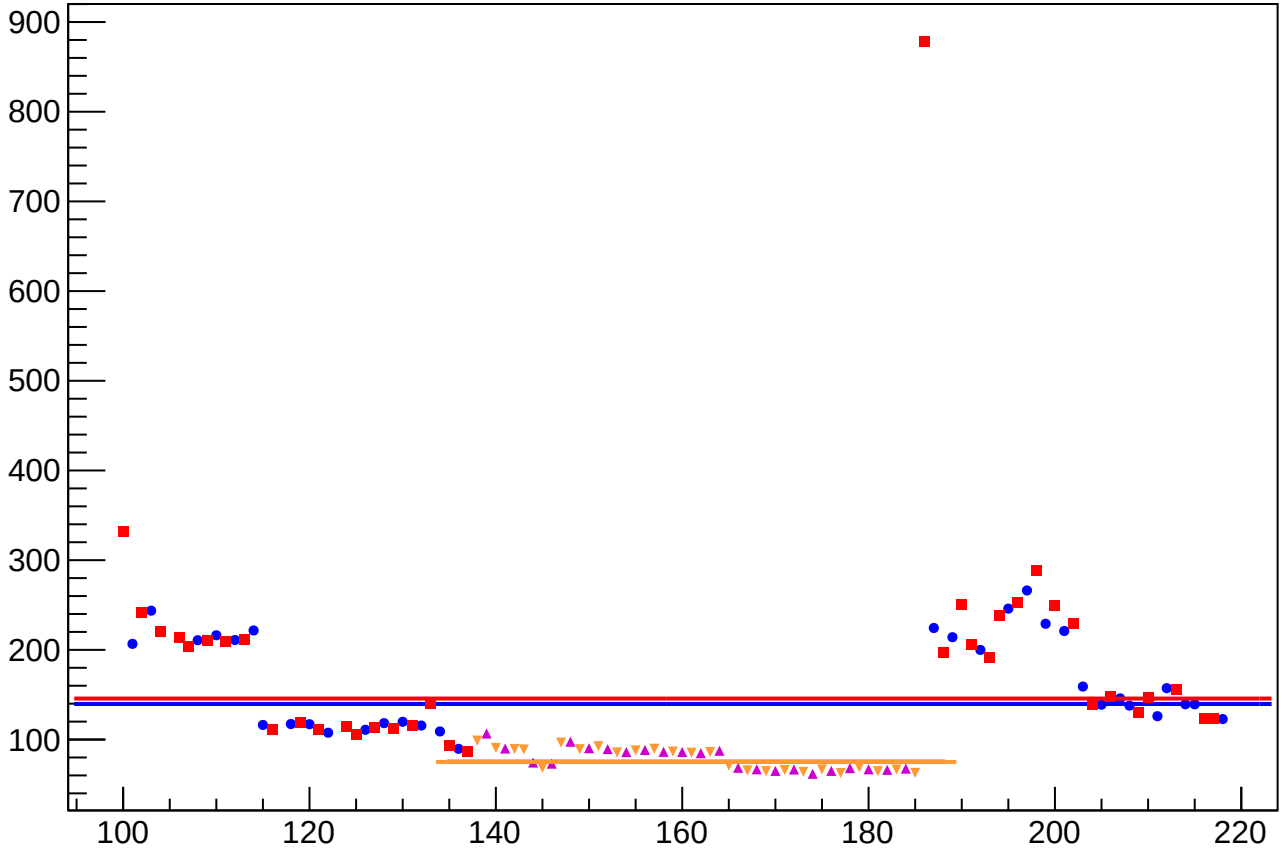
Left In: -58.907+/-17.879 χ^2/NDF:25.8/22

+ sign 7.027+/-15.305 χ^2/NDF: 73.6/56

All: -18.568+/-11.008 χ^2/NDF: 156.6/115

- sign -45.994+/-15.843 χ^2/NDF: 77.2/58

reg_asym_sam_26_avg_rms vs Slug



Right In: 139.638+/-0.023 χ^2/NDF: 3212416.1/31

Left Out: 75.041+/-0.012 χ^2/NDF:928107.8/24

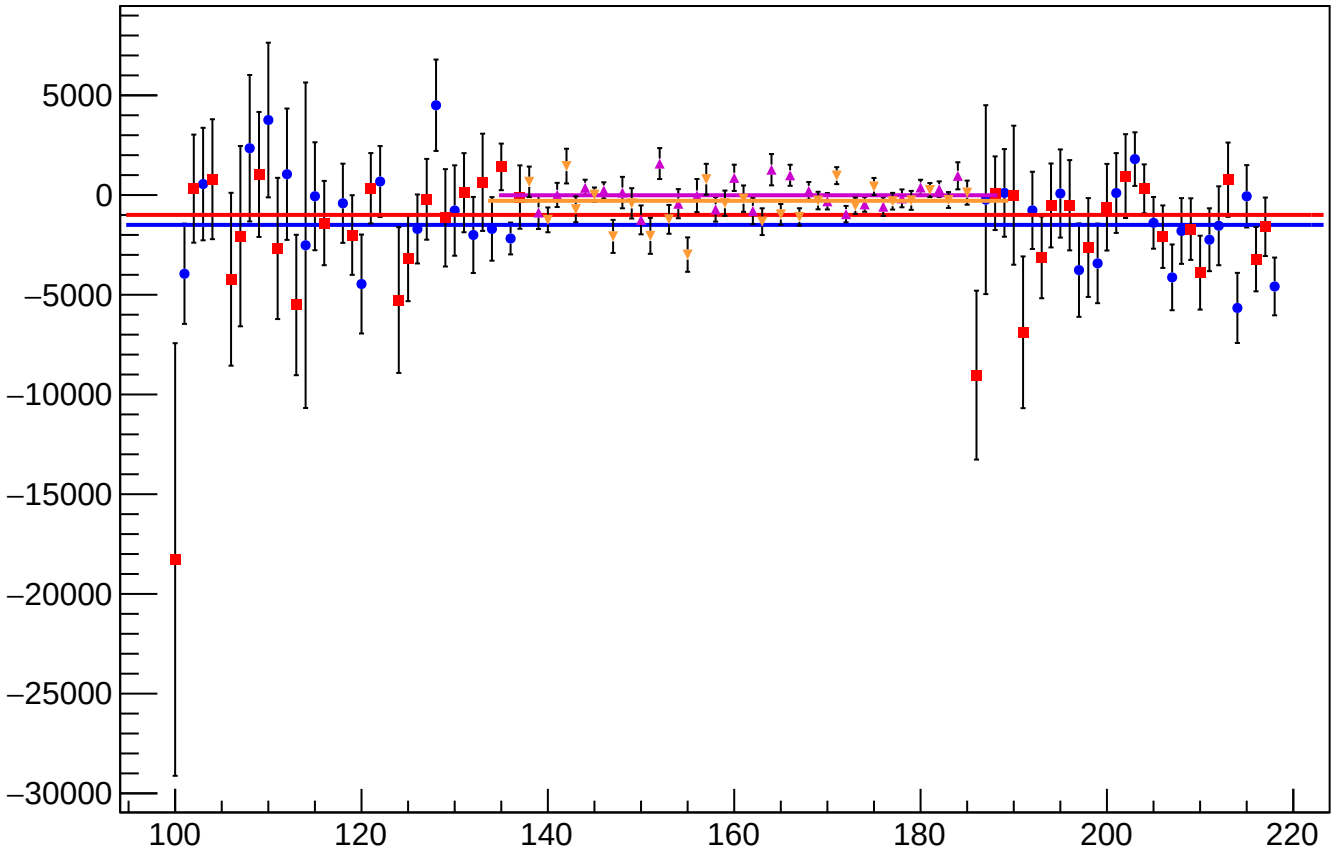
Right Out: 145.712+/-0.024 χ^2/NDF: 4349704.8/35

Left In: 75.352+/-0.013 χ^2/NDF:837634.2/22

+ sign 89.192+/-0.011 χ^2/NDF: 10235460.2/56

All: 89.806+/-0.008 χ^2/NDF: 22081765.8/115

- sign 90.464+/-0.011 χ^2/NDF: 11839647.0/58



Right In: -1496.376+/-324.147 χ^2/NDF: 39.9/31

Left Out: -288.079+/-105.231 χ^2/NDF:53.3/24

Right Out: -995.711+/-345.966 χ^2/NDF: 31.0/35

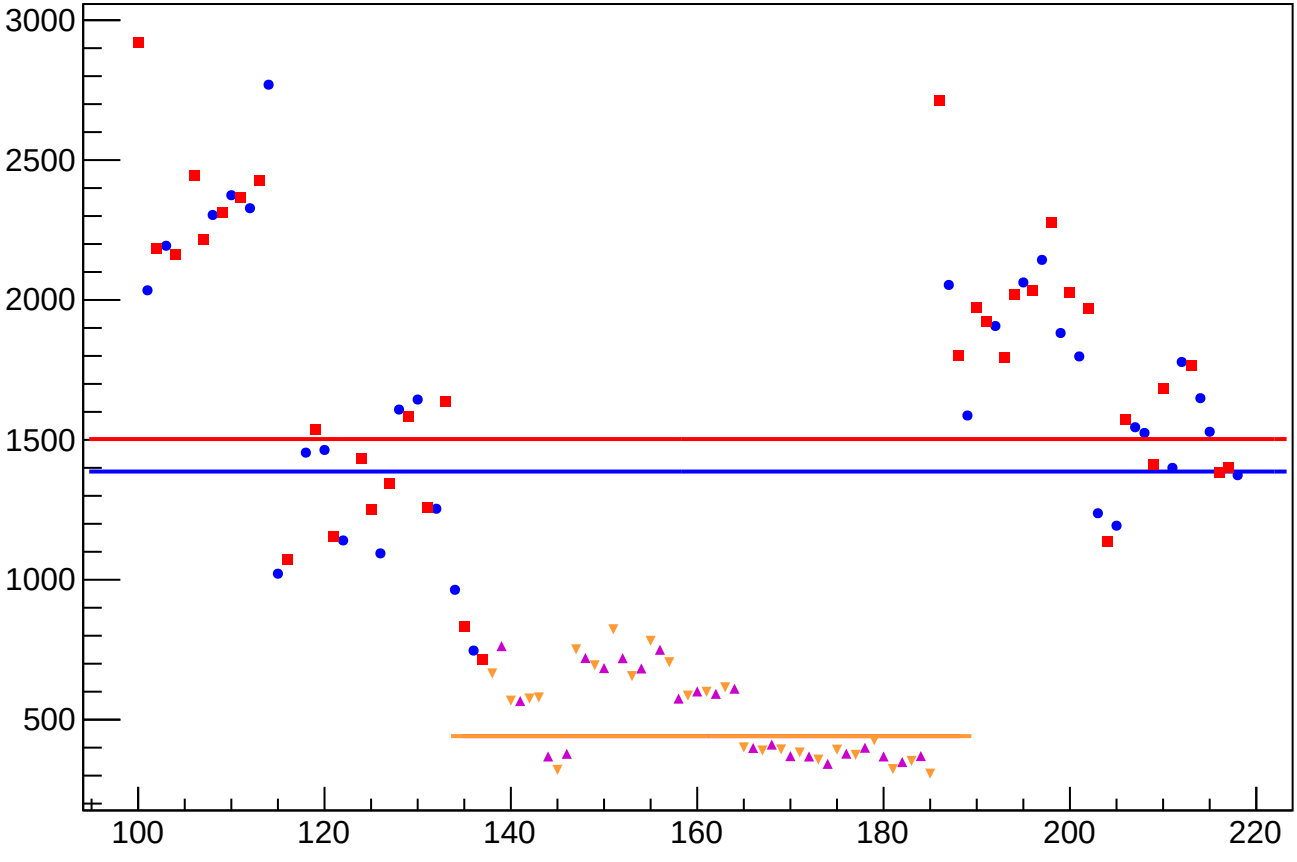
Left In: -10.643+/-107.669 χ^2/NDF:33.4/22

+ sign -403.282+/-100.089 χ^2/NDF: 105.8/56

All: -254.546+/-71.715 χ^2/NDF: 182.1/115

- sign -97.626+/-102.806 χ^2/NDF: 71.8/58

asym_sam_26_avg_reg_correction_rms vs Slug



Right In: 1386.791+/-0.229 χ^2/NDF: 3433700.0/31

Left Out: 441.128+/-0.074 χ^2/NDF:3234629.2/24

Right Out: 1502.866+/-0.245 χ^2/NDF: 3407483.9/35

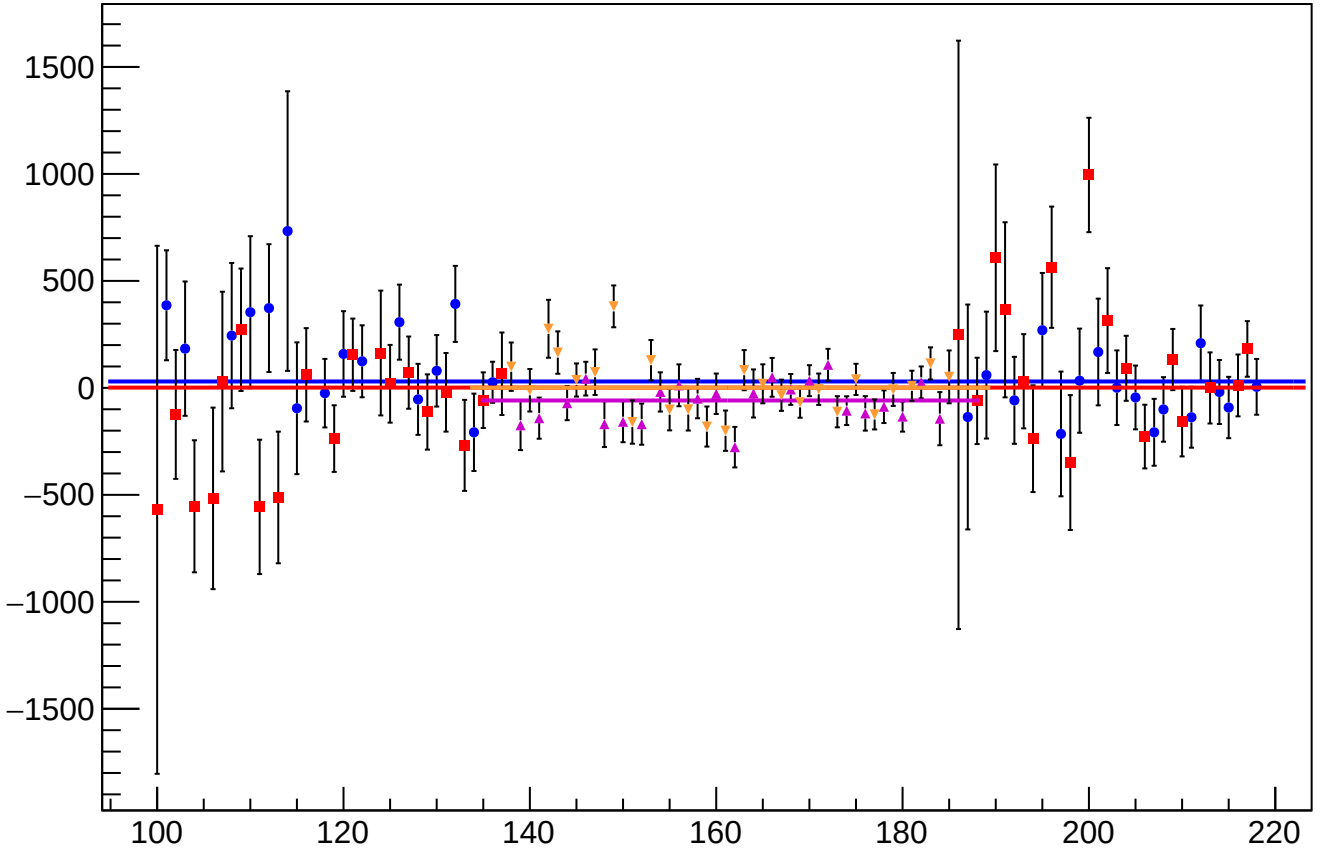
Left In: 441.196+/-0.076 χ^2/NDF:2682075.8/22

\+ sign 531.291+/-0.071 χ^2/NDF: 22067650.4/56

All: 533.068+/-0.051 χ^2/NDF: 45329365.2/11

\- sign 534.943+/-0.073 χ^2/NDF: 23260418.9/58

cor_asym_sam_26_avg_mean vs Slug



Right In: 29.933+/-32.700 χ^2/NDF: 24.3/31

Left Out: 0.598+/-17.319 χ^2/NDF:48.6/24

Right Out: 1.325+/-34.187 χ^2/NDF: 48.9/35

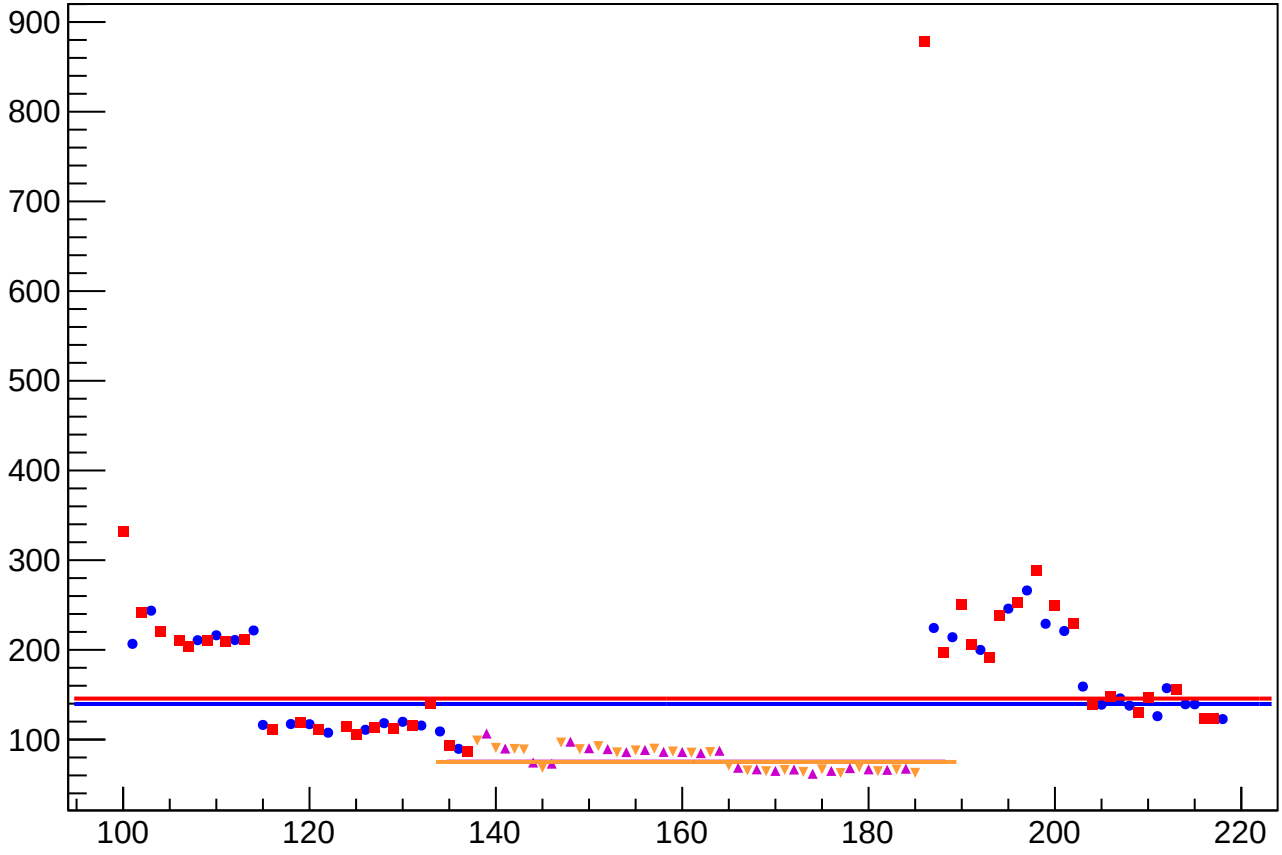
Left In: -58.904+/-17.879 χ^2/NDF:25.8/22

+ sign 7.024+/-15.305 χ^2/NDF: 73.6/56

All: -18.557+/-11.008 χ^2/NDF: 156.5/115

- sign -45.969+/-15.843 χ^2/NDF: 77.2/58

cor_asym_sam_26_avg_rms vs Slug



Right In: 139.638+/-0.023 χ^2/NDF: 3212418.6/31

Left Out: 75.041+/-0.012 χ^2/NDF:928107.8/24

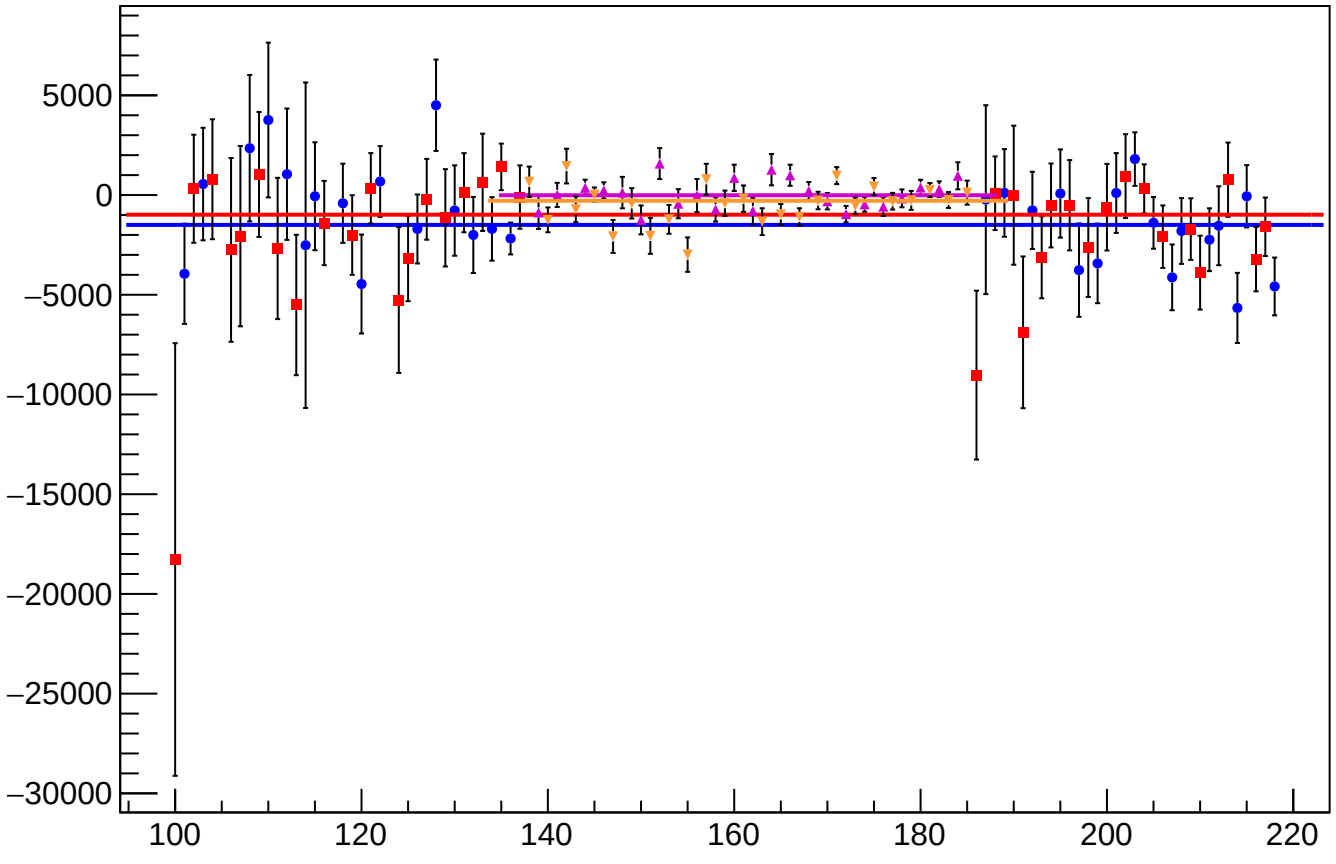
Right Out: 145.689+/-0.024 χ^2/NDF: 4345098.9/35

Left In: 75.352+/-0.013 χ^2/NDF:837634.2/22

+ sign 89.192+/-0.011 χ^2/NDF: 10235462.3/56

All: 89.803+/-0.008 χ^2/NDF: 22072461.3/115

- sign 90.458+/-0.011 χ^2/NDF: 11830399.4/58



Right In: -1496.371+/-324.148 χ^2/NDF: 39.9/31

Left Out: -288.079+/-105.231 χ^2/NDF:53.3/24

Right Out: -985.160+/-346.097 χ^2/NDF: 30.5/35

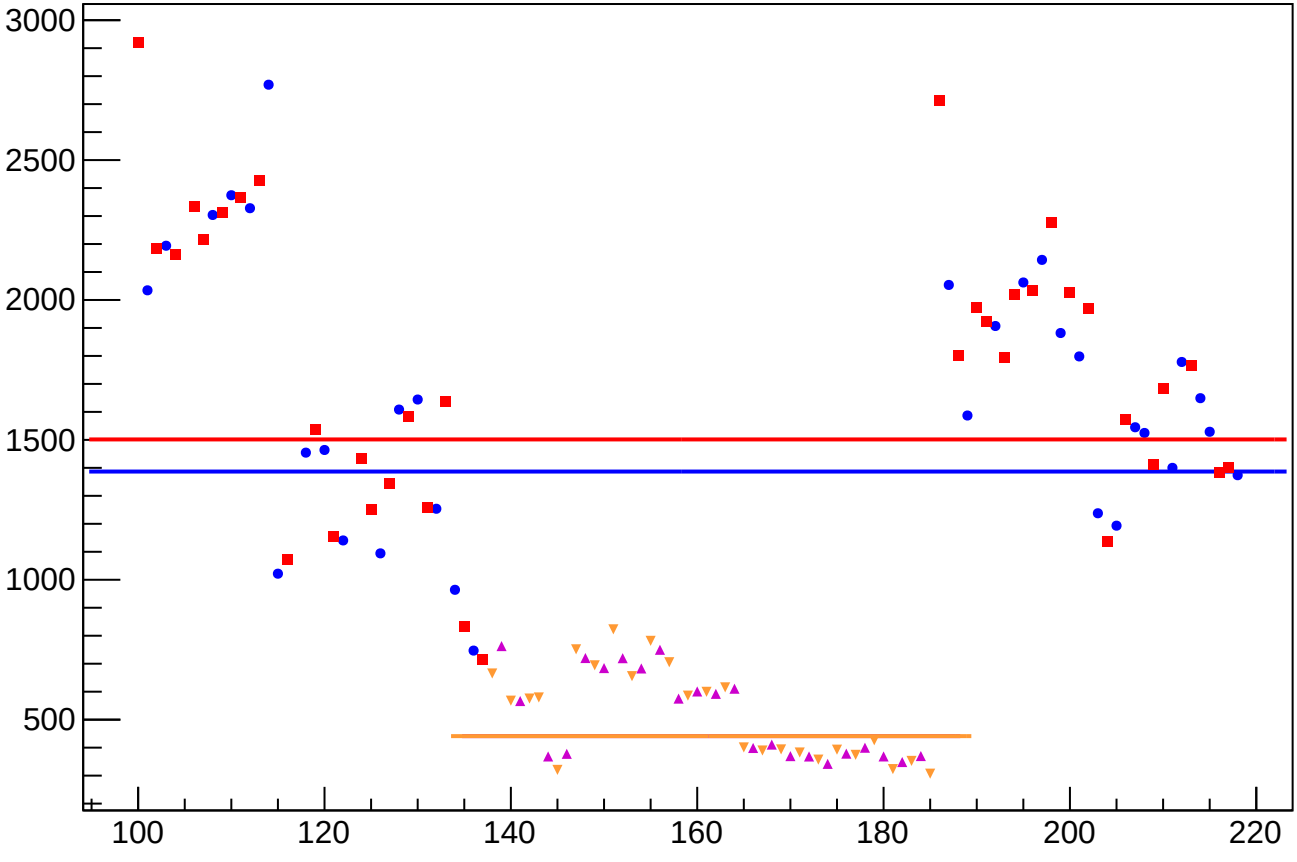
Left In: -10.644+/-107.670 χ^2/NDF:33.4/22

+ sign -403.281+/-100.089 χ^2/NDF: 105.8/56

All: -254.069+/-71.716 χ^2/NDF: 181.5/115

- sign -96.637+/-102.809 χ^2/NDF: 71.2/58

asym_sam_26_avg_cor_correction_rms vs Slug



Right In: 1386.791+/-0.229 χ^2/NDF: 3433730.6/31

Left Out: 441.128+/-0.074 χ^2/NDF:3234622.5/24

Right Out: 1501.568+/-0.245 χ^2/NDF: 3378679.8/35

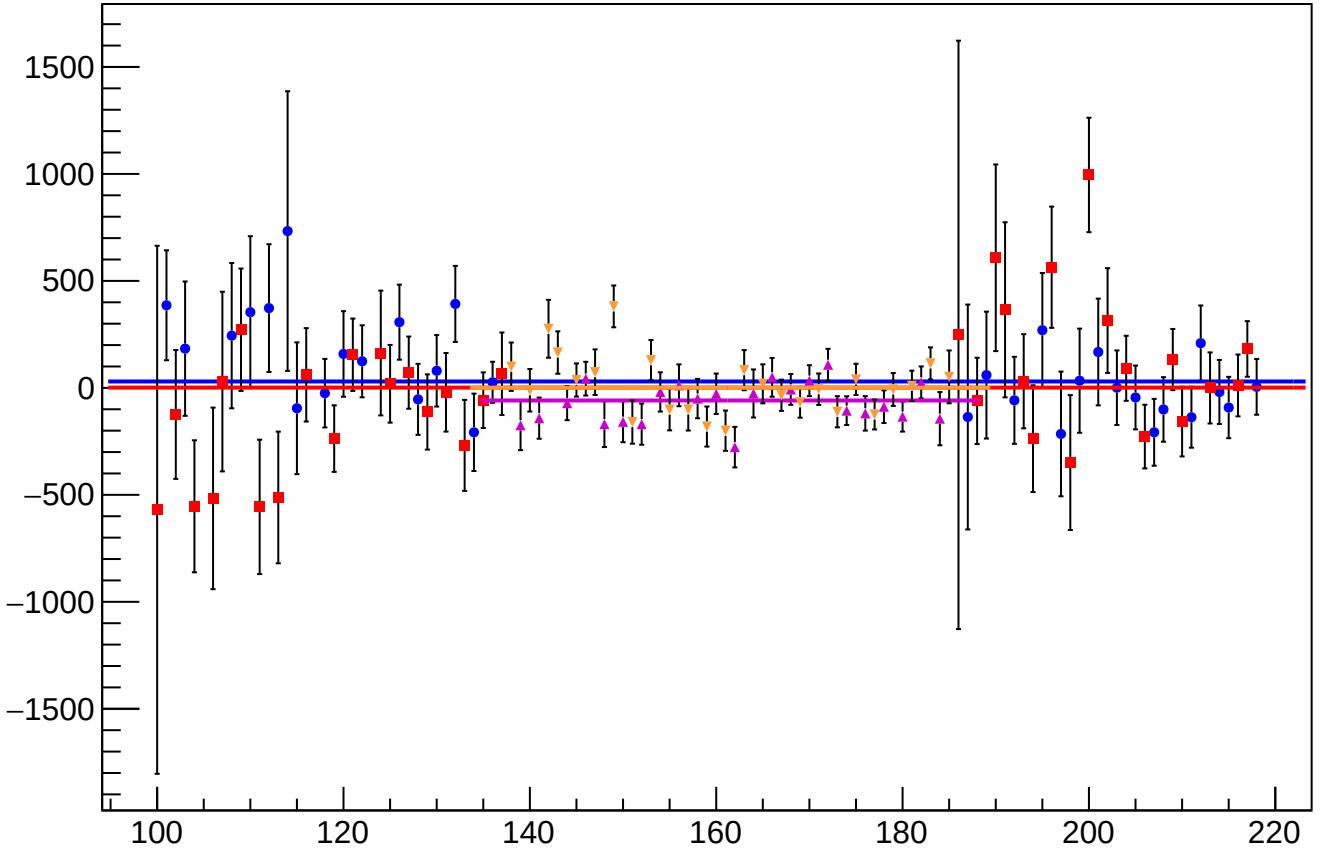
Left In: 441.196+/-0.076 χ^2/NDF:2682073.9/22

+ sign 531.291+/-0.071 χ^2/NDF: 22067658.4/56

All: 532.981+/-0.051 χ^2/NDF: 45246732.7/11

- sign 534.764+/-0.073 χ^2/NDF: 23177902.0/58

eigen_cor_asym_sam_26_avg_mean vs Slug



Right In: 29.933+/-32.700 χ^2/NDF: 24.3/31

Left Out: 0.598+/-17.319 χ^2/NDF:48.6/24

Right Out: 1.325+/-34.187 χ^2/NDF: 48.9/35

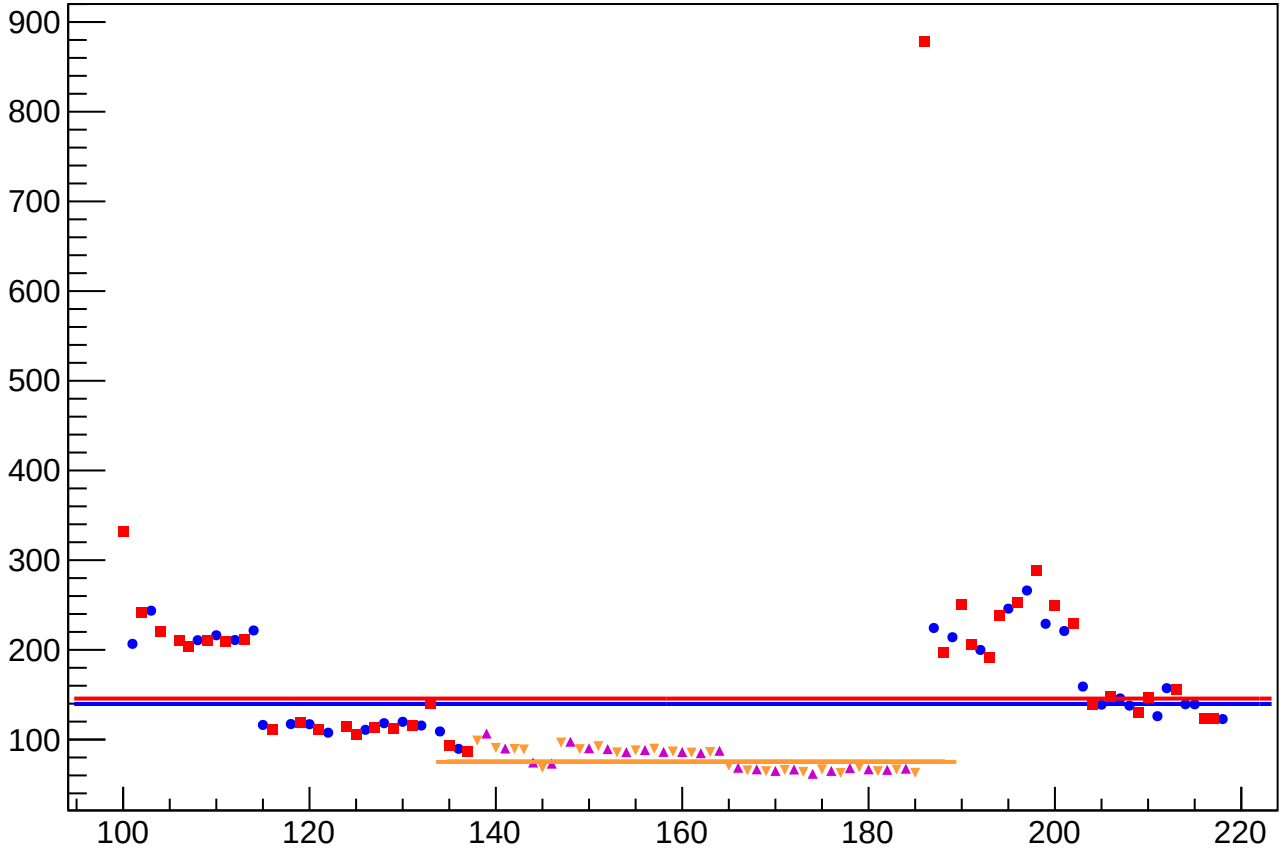
Left In: -58.904+/-17.879 χ^2/NDF:25.8/22

+ sign 7.024+/-15.305 χ^2/NDF: 73.6/56

All: -18.557+/-11.008 χ^2/NDF: 156.5/115

- sign -45.969+/-15.843 χ^2/NDF: 77.2/58

eigen_cor_asym_sam_26_avg_rms vs Slug



Right In: 139.638+/-0.023 χ^2/NDF: 3212418.6/31

Left Out: 75.041+/-0.012 χ^2/NDF:928107.8/24

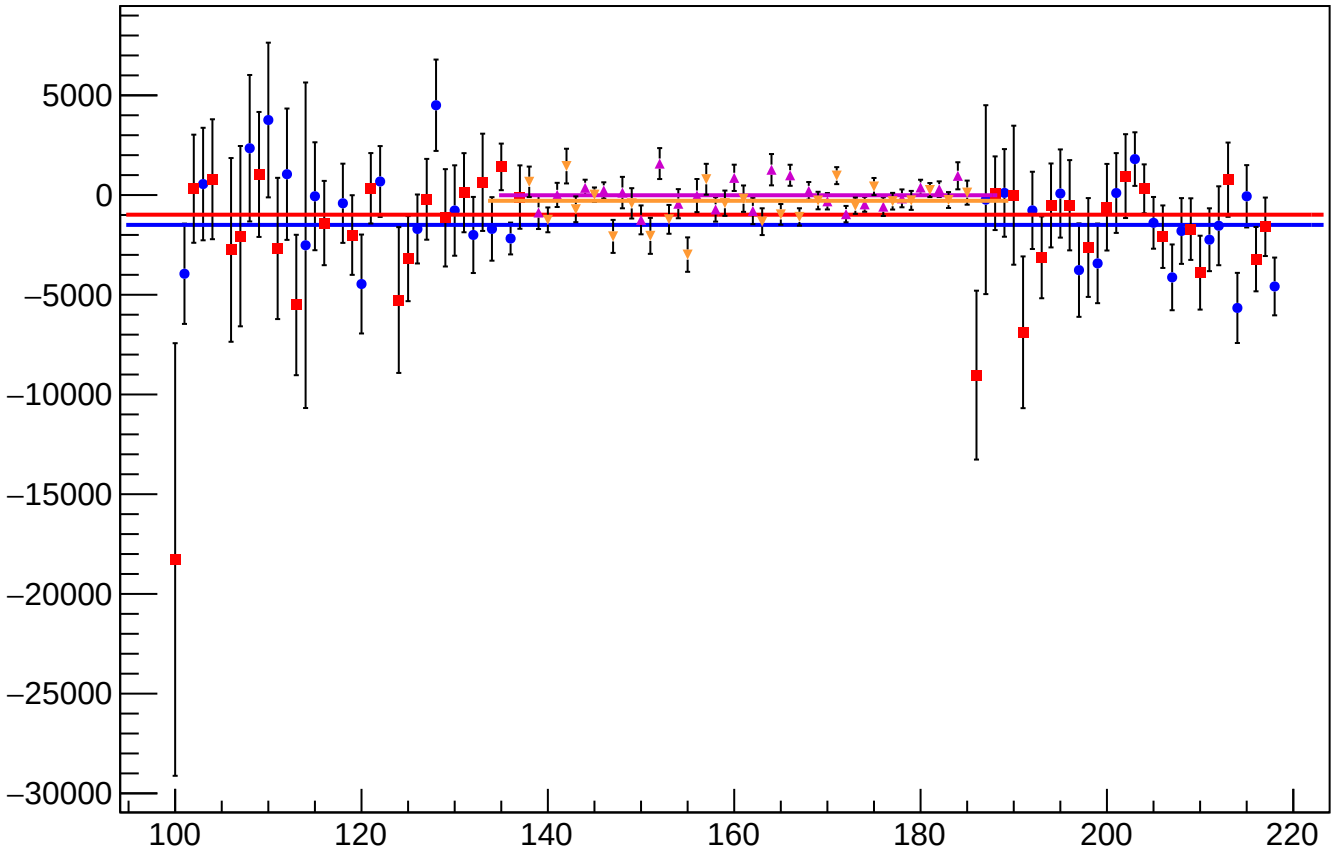
Right Out: 145.689+/-0.024 χ^2/NDF: 4345098.9/35

Left In: 75.352+/-0.013 χ^2/NDF:837634.2/22

+ sign 89.192+/-0.011 χ^2/NDF: 10235462.3/56

All: 89.803+/-0.008 χ^2/NDF: 22072461.3/115

- sign 90.458+/-0.011 χ^2/NDF: 11830399.4/58



Right In: -1496.371+/-324.148 χ^2/NDF: 39.9/31

Left Out: -288.079+/-105.231 χ^2/NDF:53.3/24

Right Out: -985.160+/-346.097 χ^2/NDF: 30.5/35

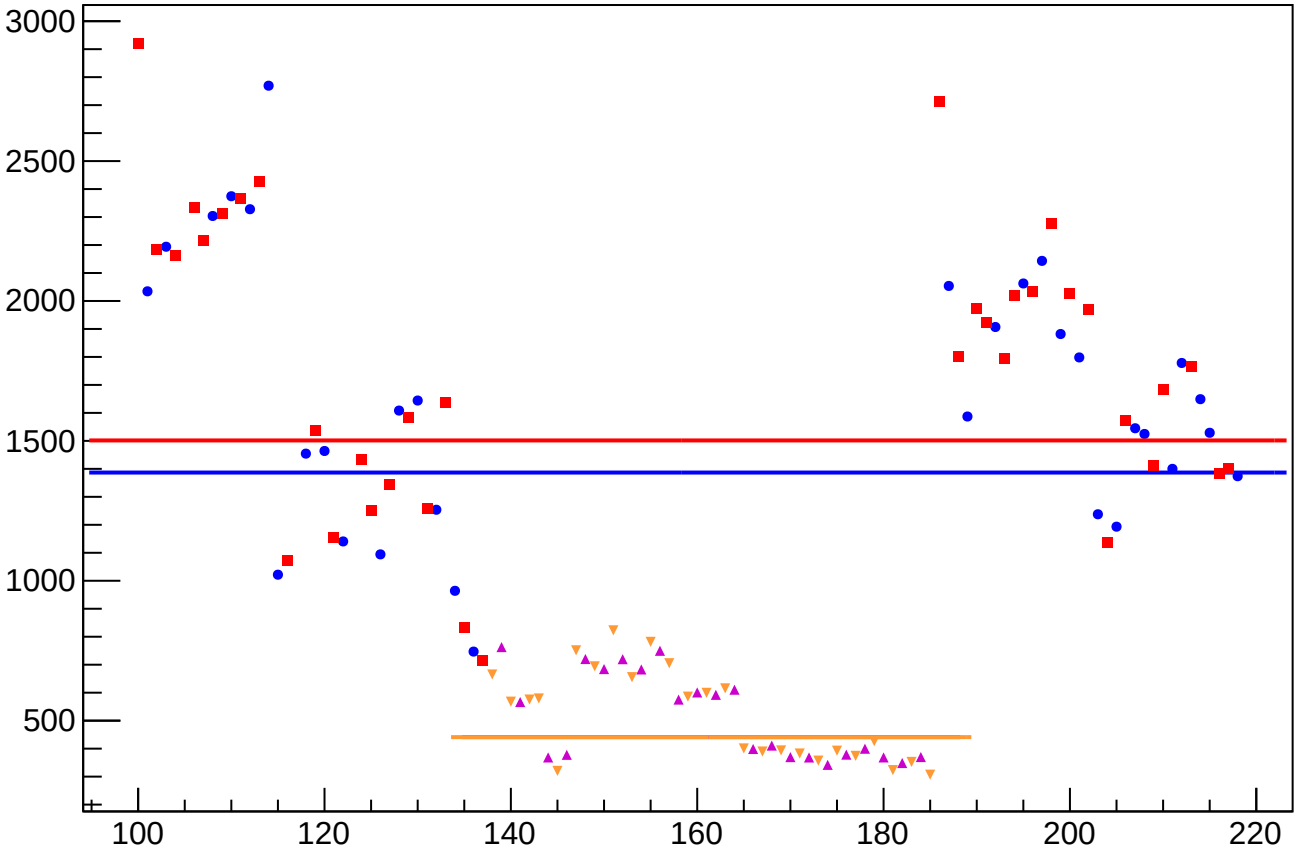
Left In: -10.644+/-107.670 χ^2/NDF:33.4/22

+ sign -403.281+/-100.089 χ^2/NDF: 105.8/56

All: -254.069+/-71.716 χ^2/NDF: 181.5/115

- sign -96.637+/-102.809 χ^2/NDF: 71.2/58

asym_sam_26_avg_eigen_cor_correction_rms vs Slug



Right In: 1386.791+/-0.229 χ^2/NDF: 3433730.6/31

Left Out: 441.128+/-0.074 χ^2/NDF:3234622.5/24

Right Out: 1501.568+/-0.245 χ^2/NDF: 3378679.8/35

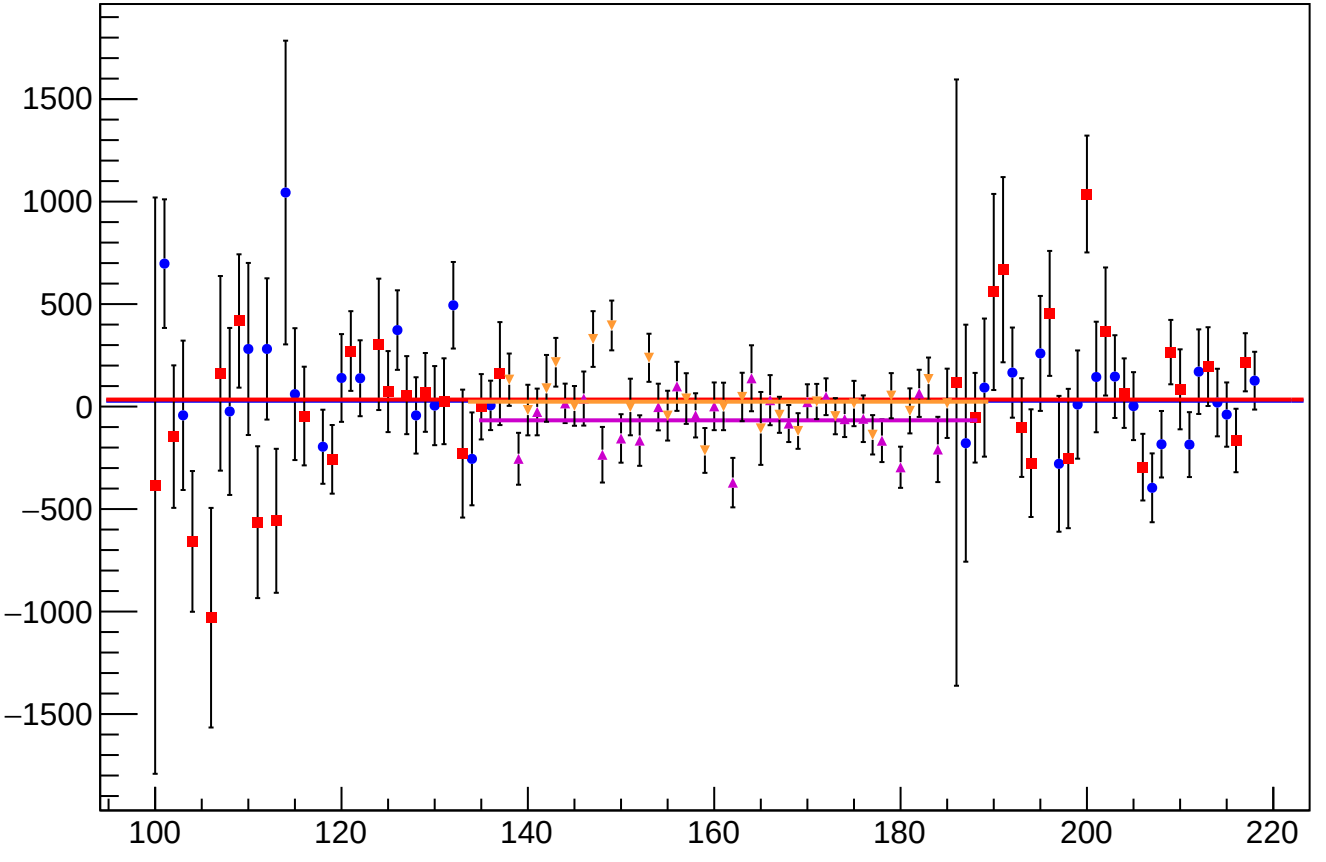
Left In: 441.196+/-0.076 χ^2/NDF:2682073.9/22

+ sign 531.291+/-0.071 χ^2/NDF: 22067658.4/56

All: 532.981+/-0.051 χ^2/NDF: 45246732.7/11

- sign 534.764+/-0.073 χ^2/NDF: 23177902.0/58

dit_asym_sam_26_avg_mean vs Slug



Right In: 28.351+/-36.965 χ^2/NDF: 33.1/31

Left Out: 23.873+/-22.414 χ^2/NDF:35.2/24

Right Out: 34.223+/-38.636 χ^2/NDF: 53.3/35

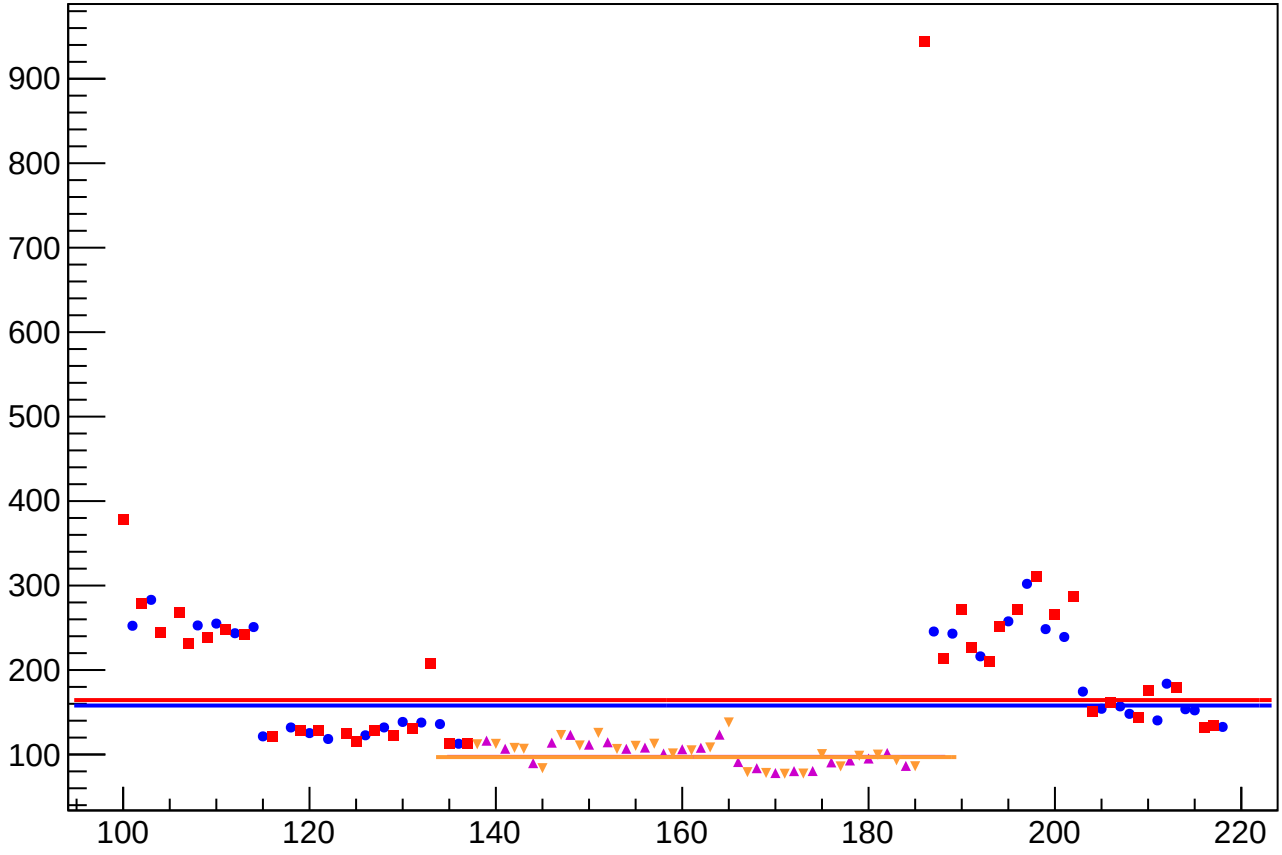
Left In: -67.086+/-23.121 χ^2/NDF:28.6/22

+ sign 25.077+/-19.166 χ^2/NDF: 68.3/56

All: -6.517+/-13.784 χ^2/NDF: 160.9/115

- sign -40.372+/-19.840 χ^2/NDF: 87.0/58

dit_asym_sam_26_avg_rms vs Slug



Right In: 157.952+/-0.026 χ^2/NDF: 2942716.7/31

Left Out: 96.907+/-0.016 χ^2/NDF:933980.7/24

Right Out: 164.412+/-0.027 χ^2/NDF: 4217505.3/35

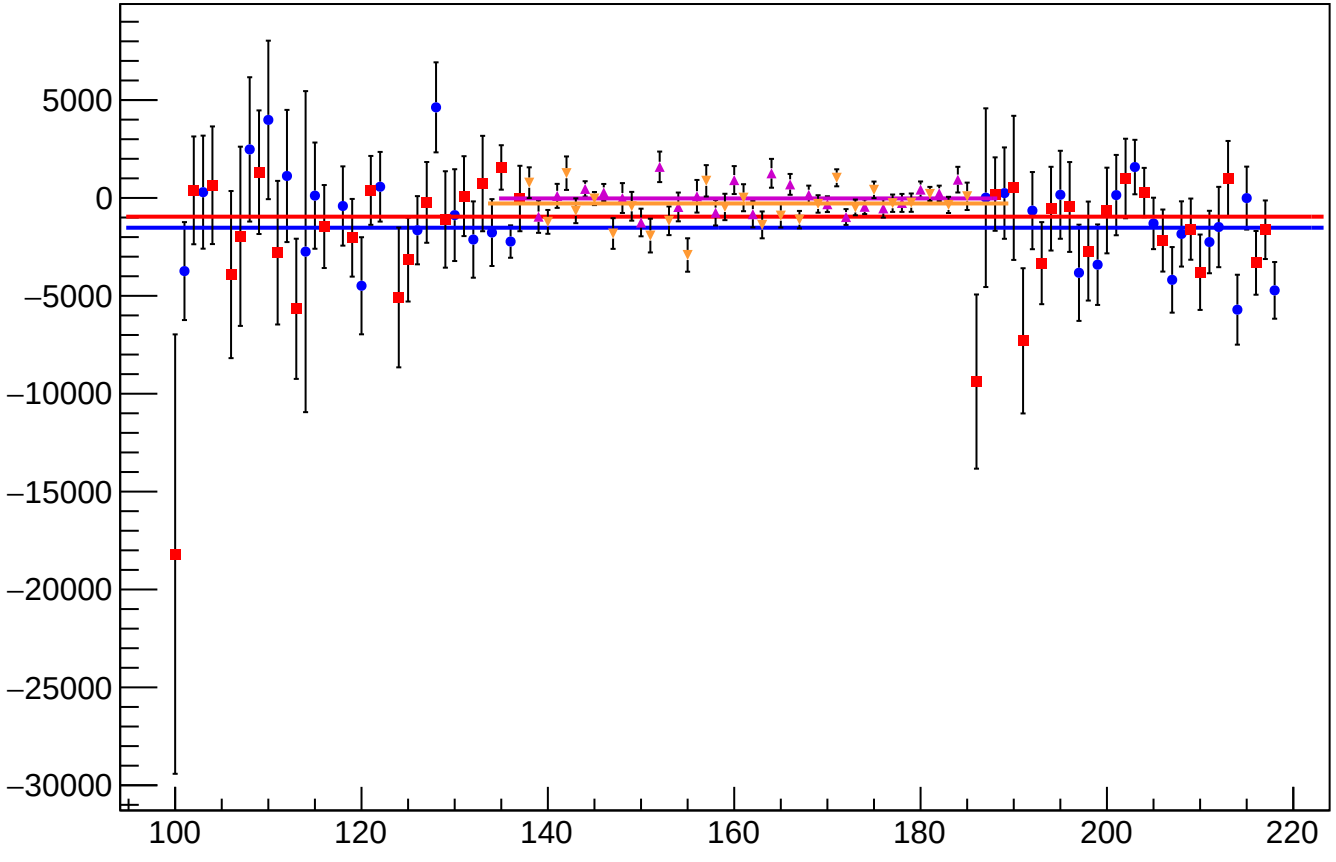
Left In: 97.167+/-0.016 χ^2/NDF:674595.2/22

+ sign 113.318+/-0.014 χ^2/NDF: 7864903.8/56

All: 114.081+/-0.010 χ^2/NDF: 17224489.3/11

- sign 114.899+/-0.014 χ^2/NDF: 9353017.9/58

asym_sam_26_avg_dit_correction_mean vs Slug



Right In: -1520.961+/-331.698 χ^2/NDF: 39.3/31

Left Out: -282.422+/-106.394 χ^2/NDF:50.4/24

Right Out: -956.539+/-349.858 χ^2/NDF: 32.4/35

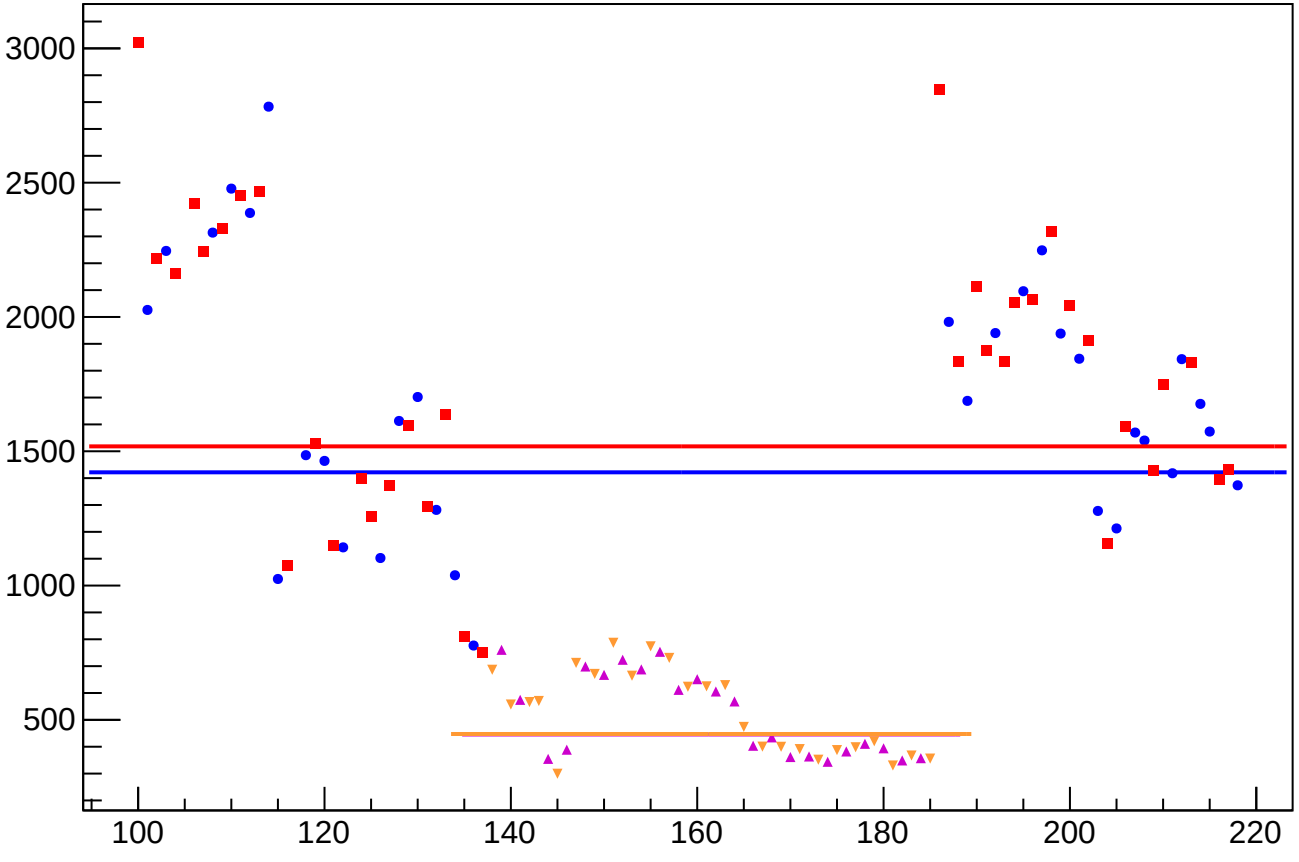
Left In: -24.625+/-108.884 χ^2/NDF:32.9/22

+ sign -397.962+/-101.310 χ^2/NDF: 102.3/56

All: -256.204+/-72.558 χ^2/NDF: 178.1/115

- sign -106.919+/-103.965 χ^2/NDF: 71.8/58

asym_sam_26_avg_dit_correction_rms vs Slug



Right In: 1421.624+/-0.235 χ^2/NDF: 3336110.9/31

Left Out: 447.386+/-0.075 χ^2/NDF:3197771.9/24

Right Out: 1518.255+/-0.247 χ^2/NDF: 3499158.6/35

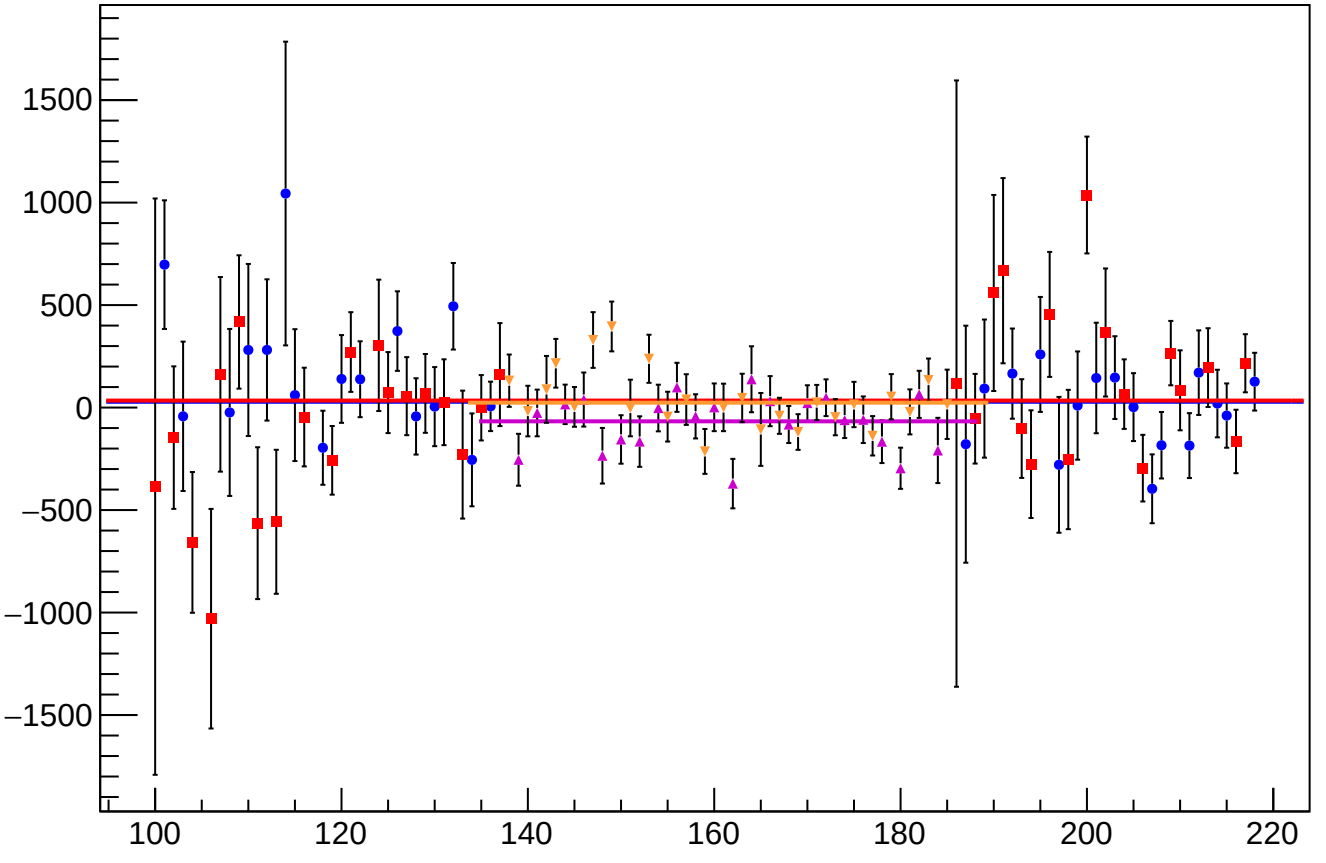
Left In: 445.491+/-0.077 χ^2/NDF:2713295.1/22

\+ sign 538.269+/-0.072 χ^2/NDF: 22177789.3/56

All: 539.221+/-0.051 χ^2/NDF: 45534234.2/11

\- sign 540.223+/-0.074 χ^2/NDF: 23356082.8/58

eigen_dit_asym_sam_26_avg_mean vs Slug



Right In: 28.355+/-36.965 χ^2/NDF: 33.1/31

Left Out: 23.872+/-22.414 χ^2/NDF:35.2/24

Right Out: 34.224+/-38.636 χ^2/NDF: 53.3/35

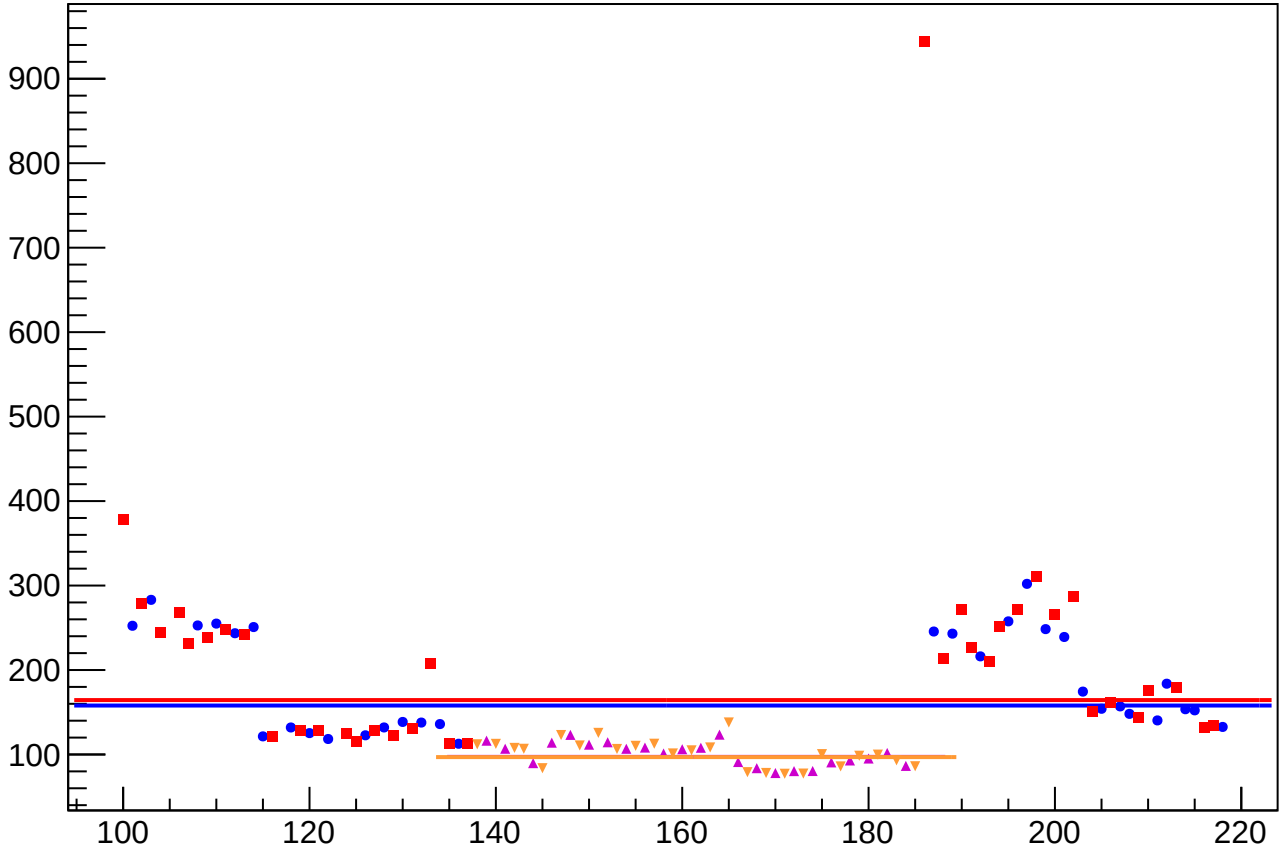
Left In: -67.085+/-23.121 χ^2/NDF:28.6/22

+ sign 25.077+/-19.166 χ^2/NDF: 68.3/56

All: -6.517+/-13.784 χ^2/NDF: 160.9/115

- sign -40.371+/-19.840 χ^2/NDF: 87.0/58

eigen_dit_asym_sam_26_avg_rms vs Slug



Right In: 157.952+/-0.026 χ^2/NDF: 2942723.8/31

Left Out: 96.907+/-0.016 χ^2/NDF:933979.3/24

Right Out: 164.412+/-0.027 χ^2/NDF: 4217507.7/35

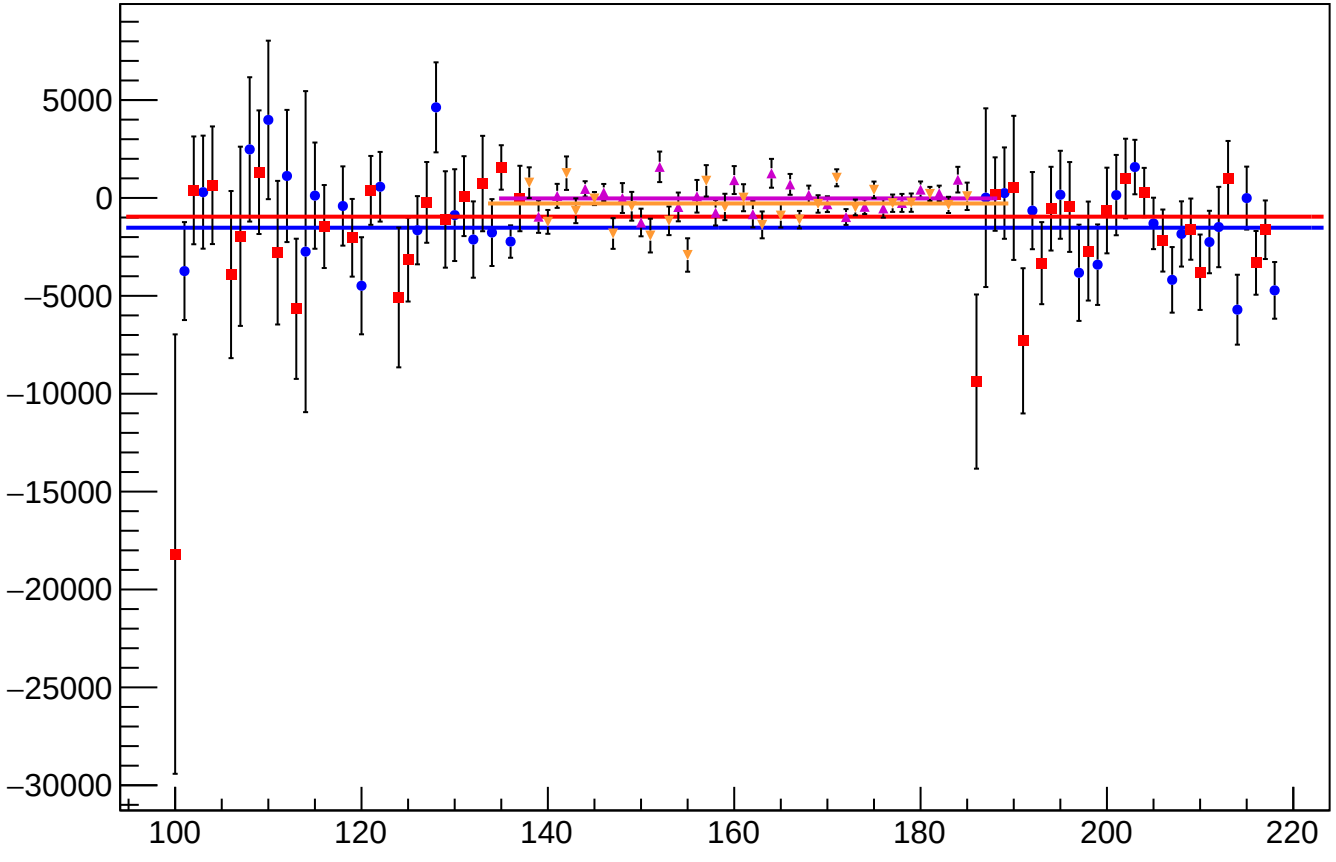
Left In: 97.168+/-0.016 χ^2/NDF:674586.0/22

+ sign 113.318+/-0.014 χ^2/NDF: 7864834.0/56

All: 114.082+/-0.010 χ^2/NDF: 17224334.8/11

- sign 114.899+/-0.014 χ^2/NDF: 9352932.3/58

asym_sam_26_avg_eigen_dit_correction_mean vs Slug



Right In: -1520.960+/-331.698 χ^2/NDF: 39.3/31

Left Out: -282.421+/-106.394 χ^2/NDF:50.4/24

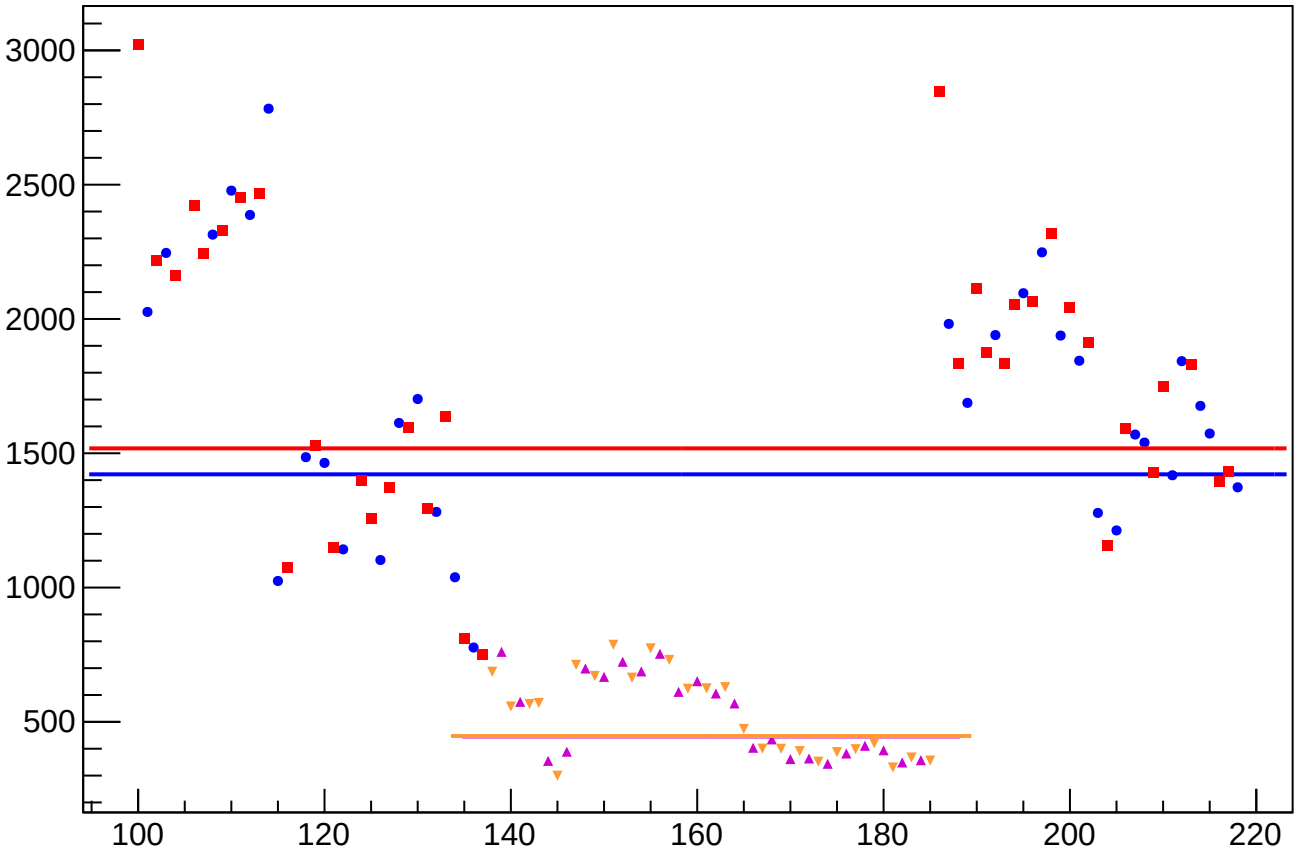
Right Out: -956.539+/-349.858 χ^2/NDF: 32.4/35

Left In: -24.626+/-108.884 χ^2/NDF:32.9/22

\+ sign -397.961+/-101.310 χ^2/NDF: 102.3/56

All: -256.204+/-72.557 χ^2/NDF: 178.1/115

\- sign -106.919+/-103.965 χ^2/NDF: 71.8/58



Right In: 1421.624+/-0.235 χ^2/NDF: 3336091.6/31

Left Out: 447.385+/-0.075 χ^2/NDF:3197793.9/24

Right Out: 1518.255+/-0.247 χ^2/NDF: 3499140.4/35

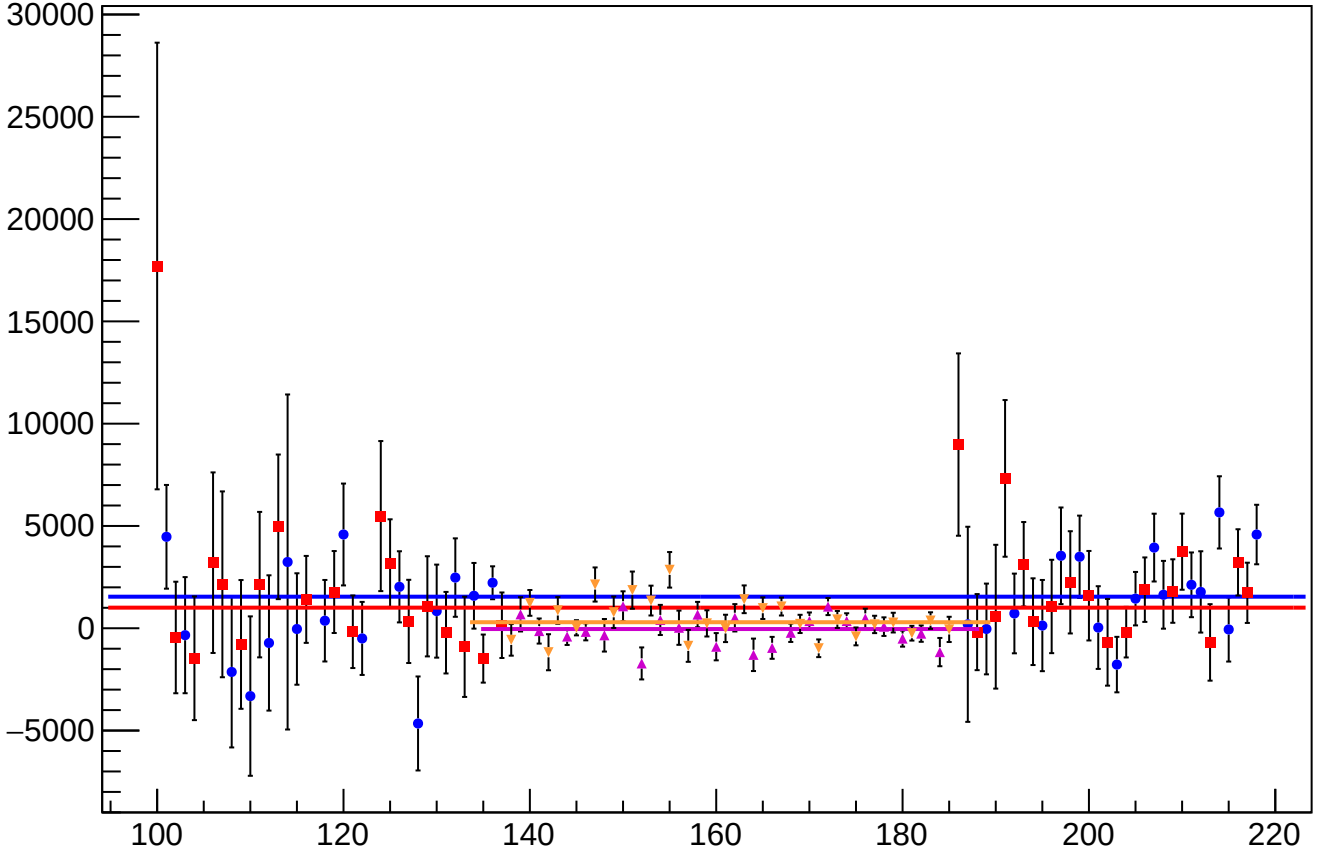
Left In: 445.491+/-0.077 χ^2/NDF:2713303.9/22

+ sign 538.269+/-0.072 χ^2/NDF: 22177817.2/56

All: 539.220+/-0.051 χ^2/NDF: 45534277.8/11

- sign 540.222+/-0.074 χ^2/NDF: 23356098.5/58

asym_sam_26_avg_mean vs Slug



Right In: 1542.763+/-326.185 χ^2/NDF: 39.2/31

Left Out: 295.006+/-106.810 χ^2/NDF:50.5/24

Right Out: 1007.020+/-348.042 χ^2/NDF: 29.4/35

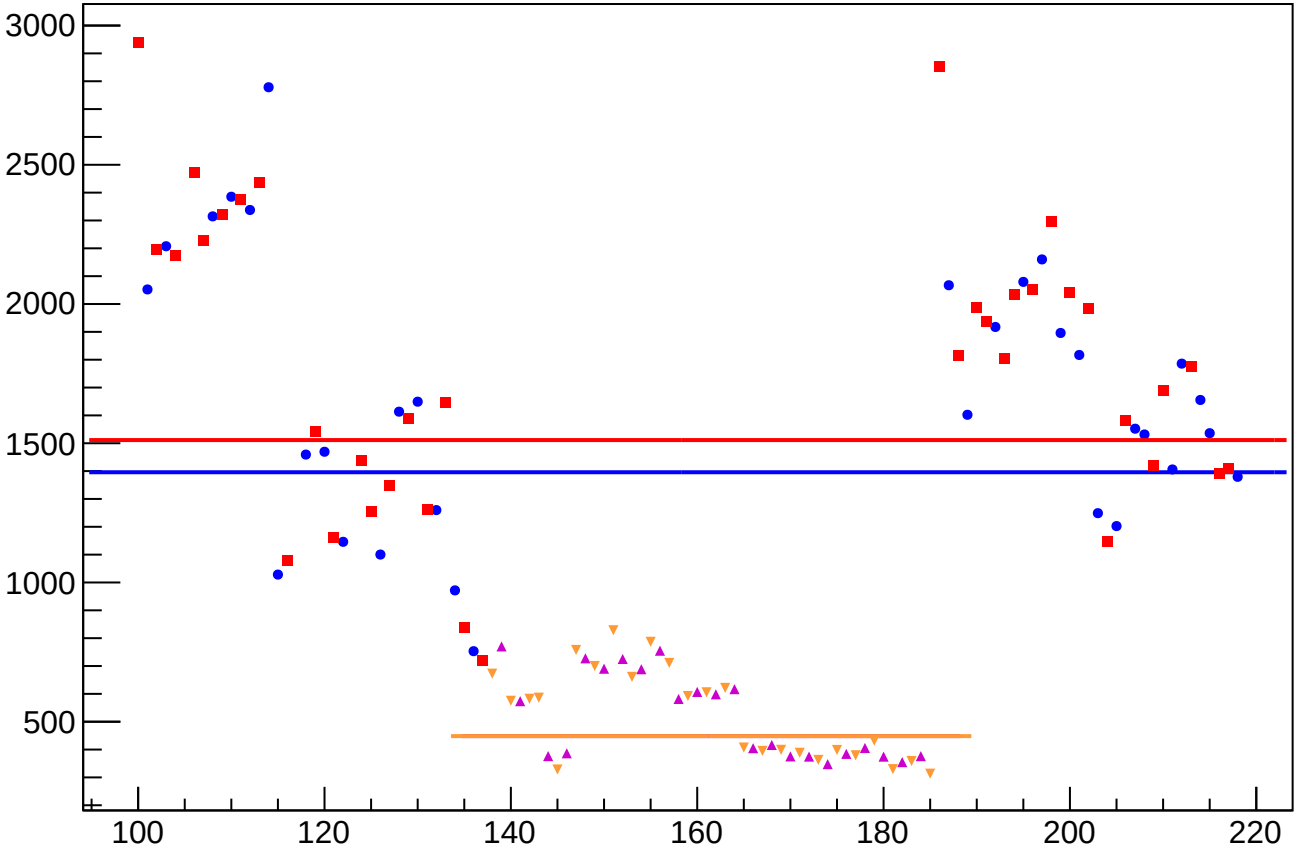
Left In: -38.107+/-109.315 χ^2/NDF:32.9/22

+ sign 415.840+/-101.506 χ^2/NDF: 102.9/56

All: 240.663+/-72.741 χ^2/NDF: 179.6/115

- sign 55.738+/-104.292 χ^2/NDF: 70.5/58

asym_sam_26_avg_rms vs Slug



Right In: 1395.854+/-0.231 χ^2/NDF: 3418043.0/31

Left Out: 448.278+/-0.076 χ^2/NDF:3156909.8/24

Right Out: 1511.384+/-0.246 χ^2/NDF: 3426771.7/35

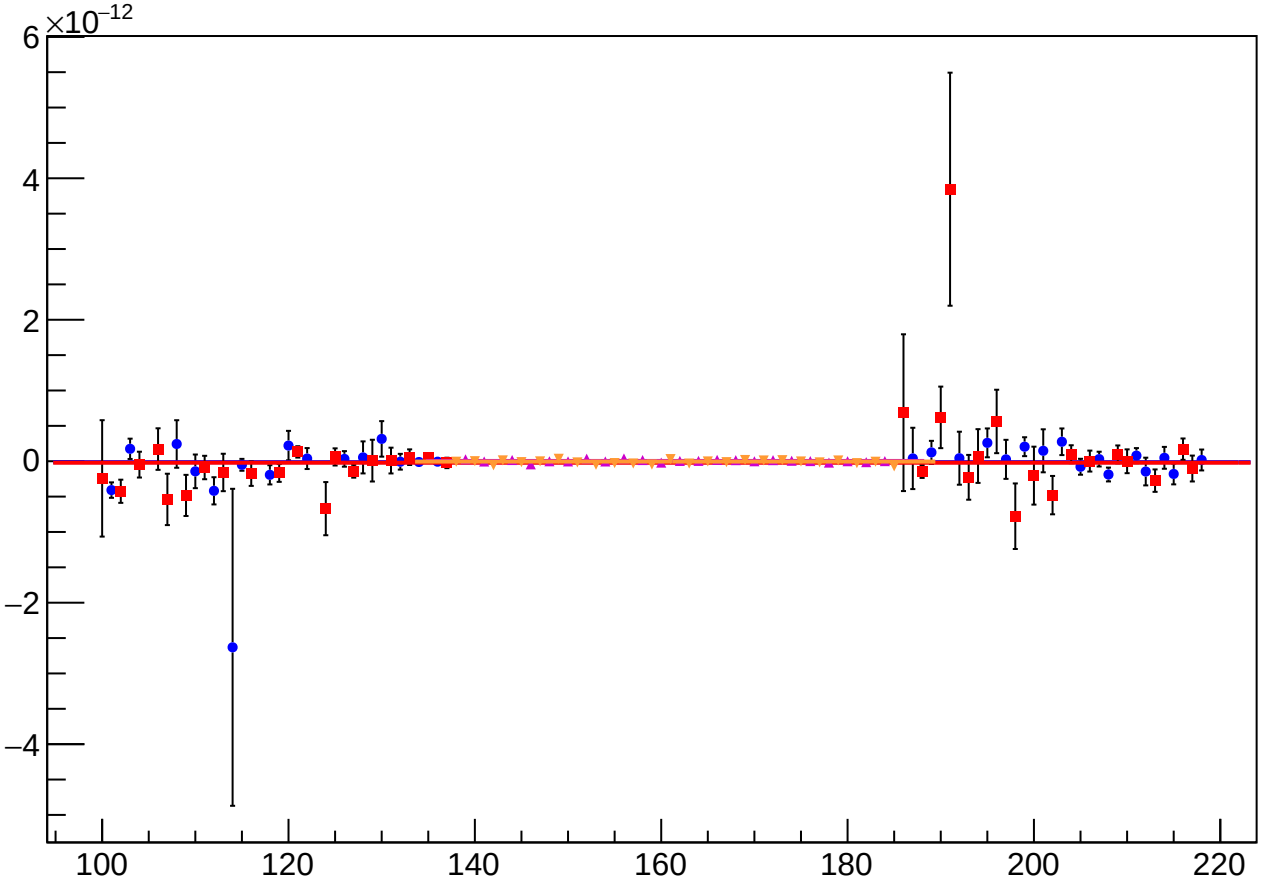
Left In: 448.397+/-0.077 χ^2/NDF:2620759.6/22

+ sign 540.042+/-0.072 χ^2/NDF: 21818746.5/56

All: 541.892+/-0.051 χ^2/NDF: 44848637.5/11

- sign 543.845+/-0.074 χ^2/NDF: 23028525.1/58

asym_sam_26_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 41.1/31

Left Out: -0.000+/-0.000 χ^2/NDF:23.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 49.7/35

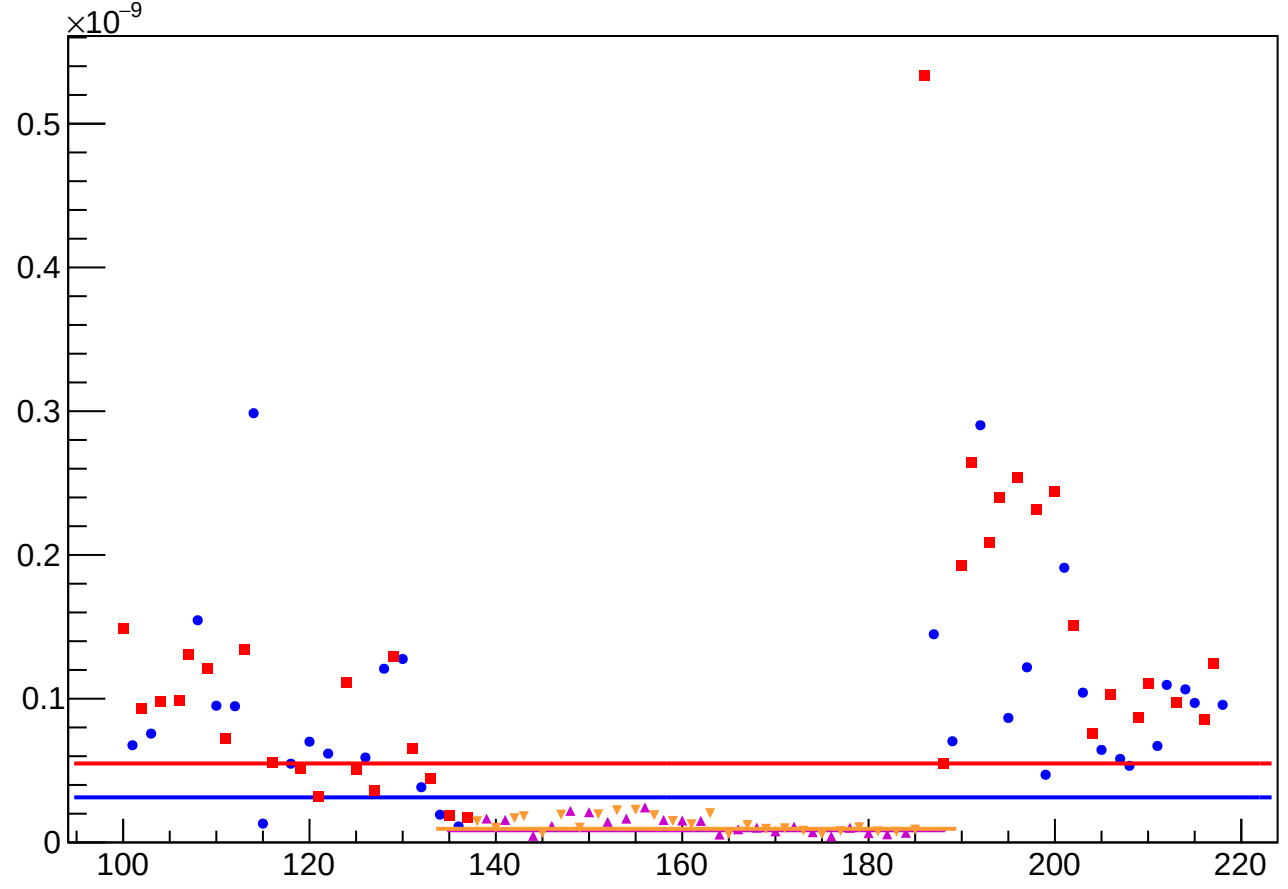
Left In: 0.000+/-0.000 χ^2/NDF:16.7/22

+ sign -0.000+/-0.000 χ^2/NDF: 64.5/56

All: -0.000+/-0.000 χ^2/NDF: 134.5/115

- sign 0.000+/-0.000 χ^2/NDF: 67.5/58

asym_sam_26_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 8704679.4/31

Left Out: 0.000+/-0.000 χ^2/NDF:2422094.9/24

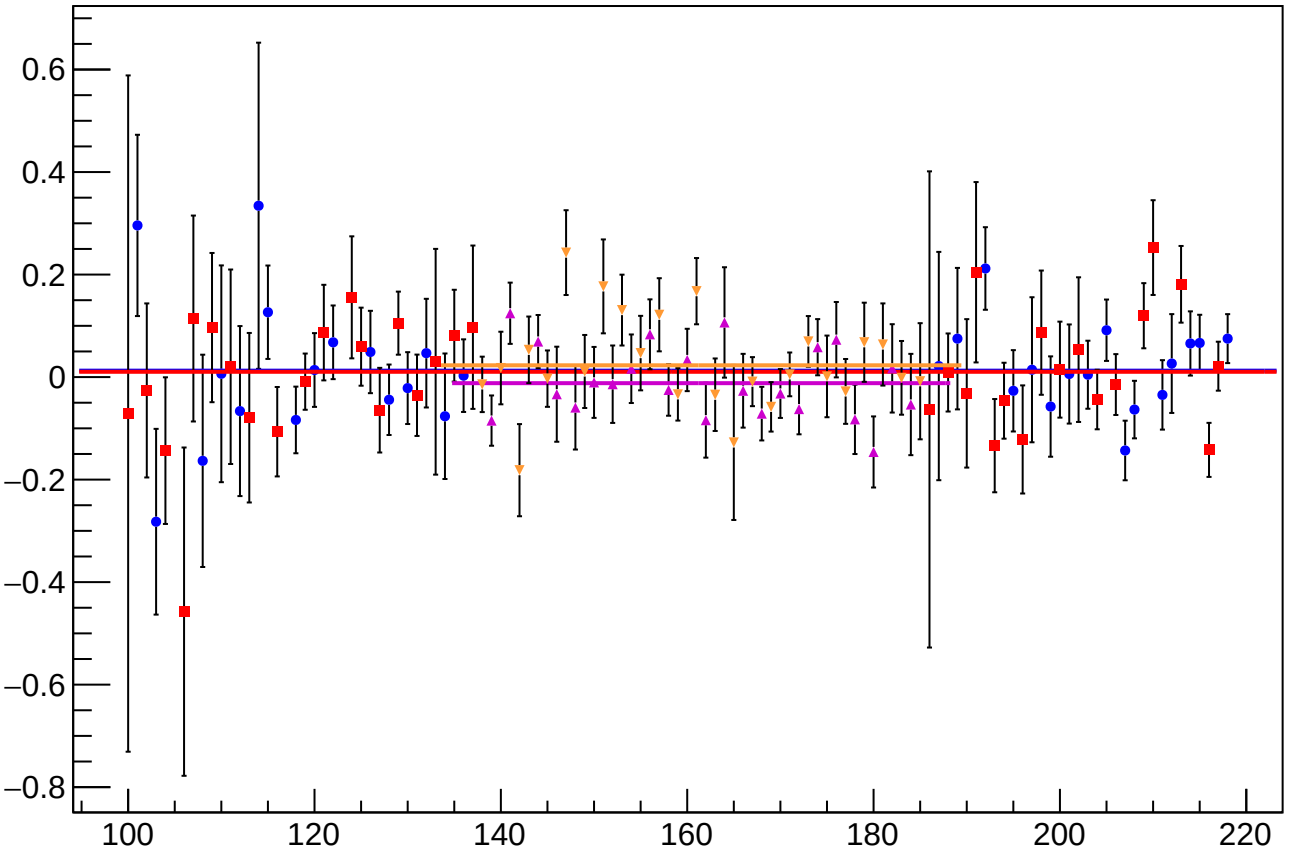
Right Out: 0.000+/-0.000 χ^2/NDF: 6780437.8/35

Left In: 0.000+/-0.000 χ^2/NDF:2739291.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 14614580.7/56

All: 0.000+/-0.000 χ^2/NDF: 31830269.6/115

- sign 0.000+/-0.000 χ^2/NDF: 17136371.8/58



Right In: 0.013+/-0.014 χ^2/NDF: 35.1/31

Left Out: 0.023+/-0.013 χ^2/NDF:34.2/24

Right Out: 0.010+/-0.015 χ^2/NDF: 44.2/35

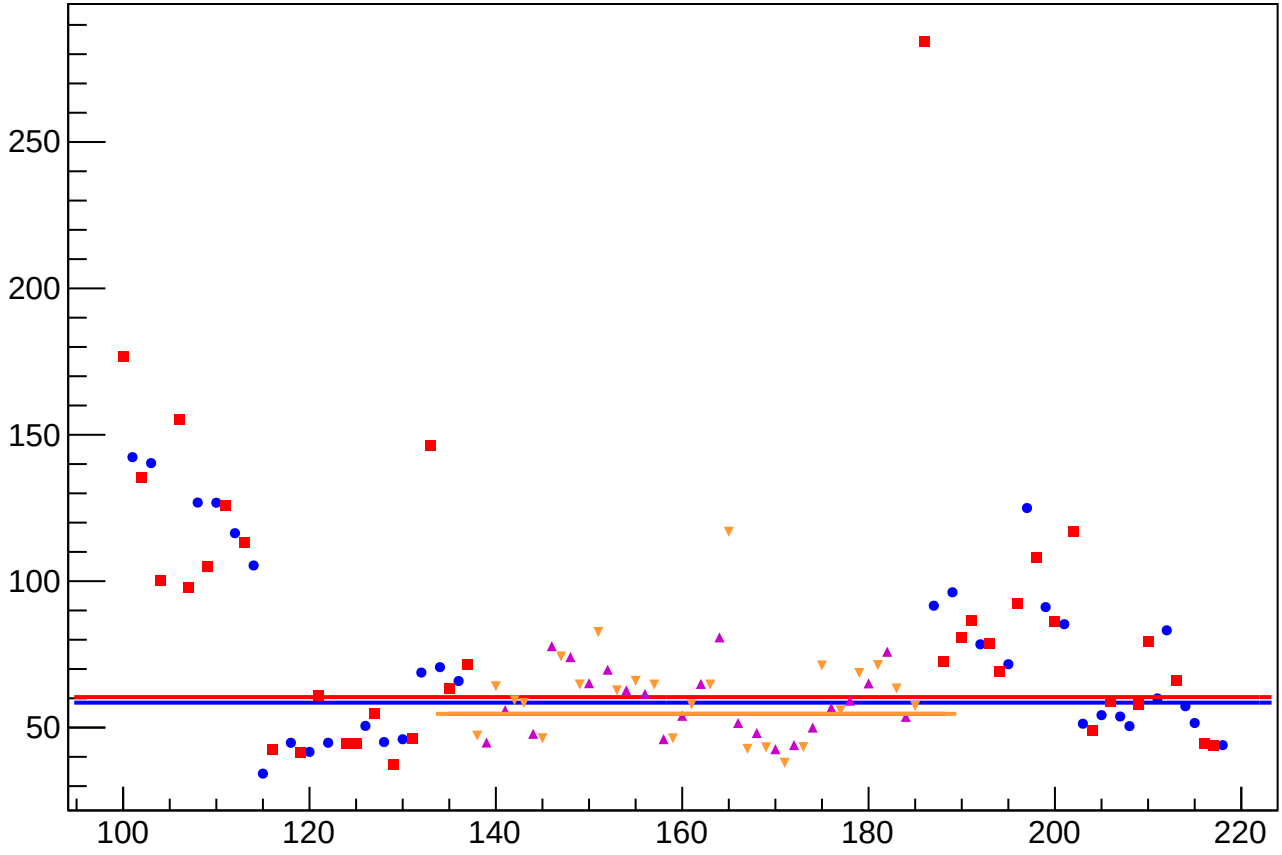
Left In: -0.012+/-0.013 χ^2/NDF:25.9/22

+ sign 0.018+/-0.010 χ^2/NDF: 69.5/56

All: 0.008+/-0.007 χ^2/NDF: 143.0/115

- sign -0.002+/-0.010 χ^2/NDF: 71.3/58

asym_sam_26_avg_dit_vs_cor_diff_rms vs Slug



Right In: 58.507+/-0.010 χ^2/NDF: 3828911.6/31

Left Out: 54.686+/-0.009 χ^2/NDF:1936559.5/24

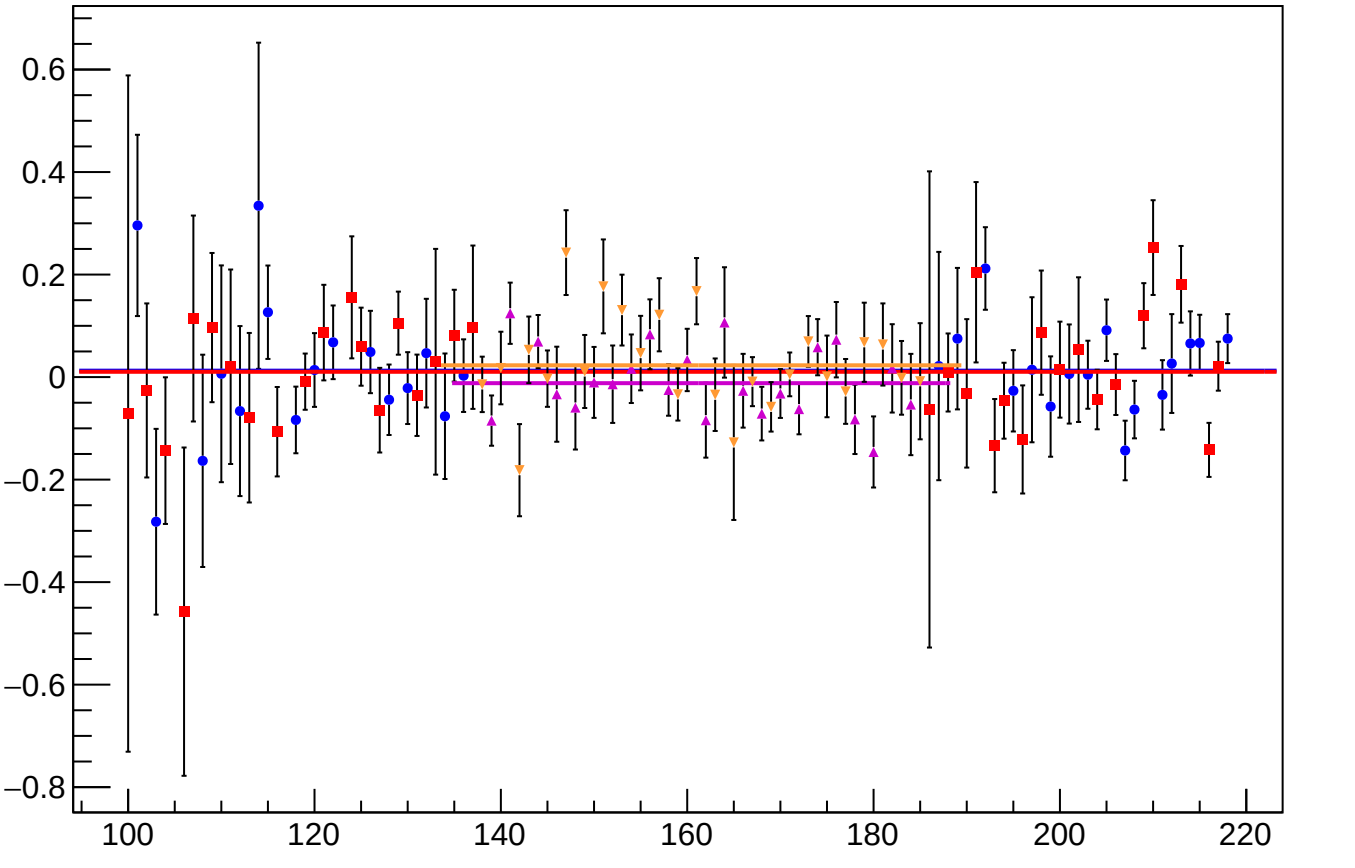
Right Out: 60.404+/-0.010 χ^2/NDF: 4873802.0/35

Left In: 54.688+/-0.009 χ^2/NDF:1190787.0/22

+ sign 56.414+/-0.007 χ^2/NDF: 5844480.5/56

All: 56.819+/-0.005 χ^2/NDF: 12082904.5/115

- sign 57.248+/-0.007 χ^2/NDF: 6231059.4/58



Right In: 0.013+/-0.014 χ^2/NDF: 35.1/31

Left Out: 0.023+/-0.013 χ^2/NDF:34.2/24

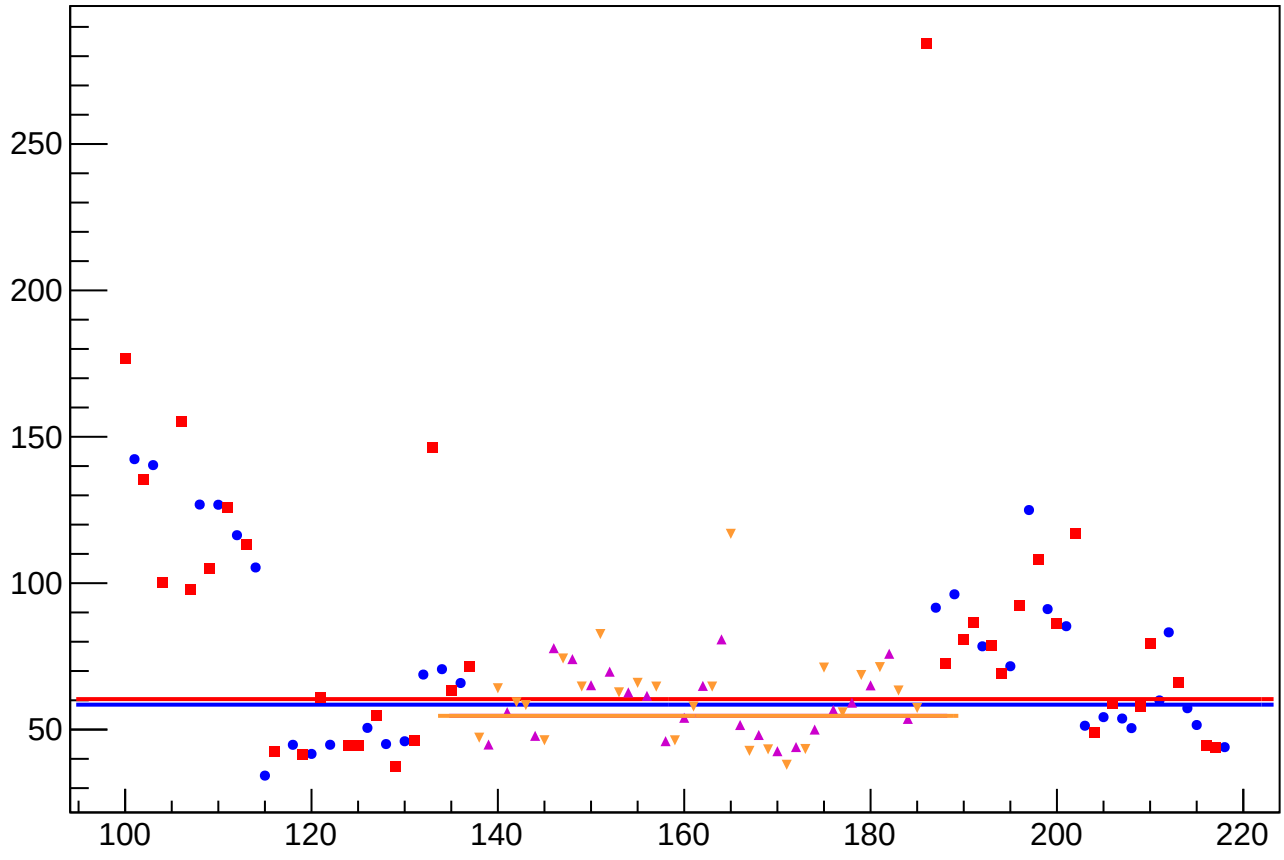
Right Out: 0.010+/-0.015 χ^2/NDF: 44.2/35

Left In: -0.012+/-0.013 χ^2/NDF:25.9/22

+ sign 0.018+/-0.010 χ^2/NDF: 69.5/56

All: 0.008+/-0.007 χ^2/NDF: 143.0/115

- sign -0.002+/-0.010 χ^2/NDF: 71.3/58



Right In: 58.507+/-0.010 χ^2/NDF: 3828911.6/31

Left Out: 54.686+/-0.009 χ^2/NDF:1936559.5/24

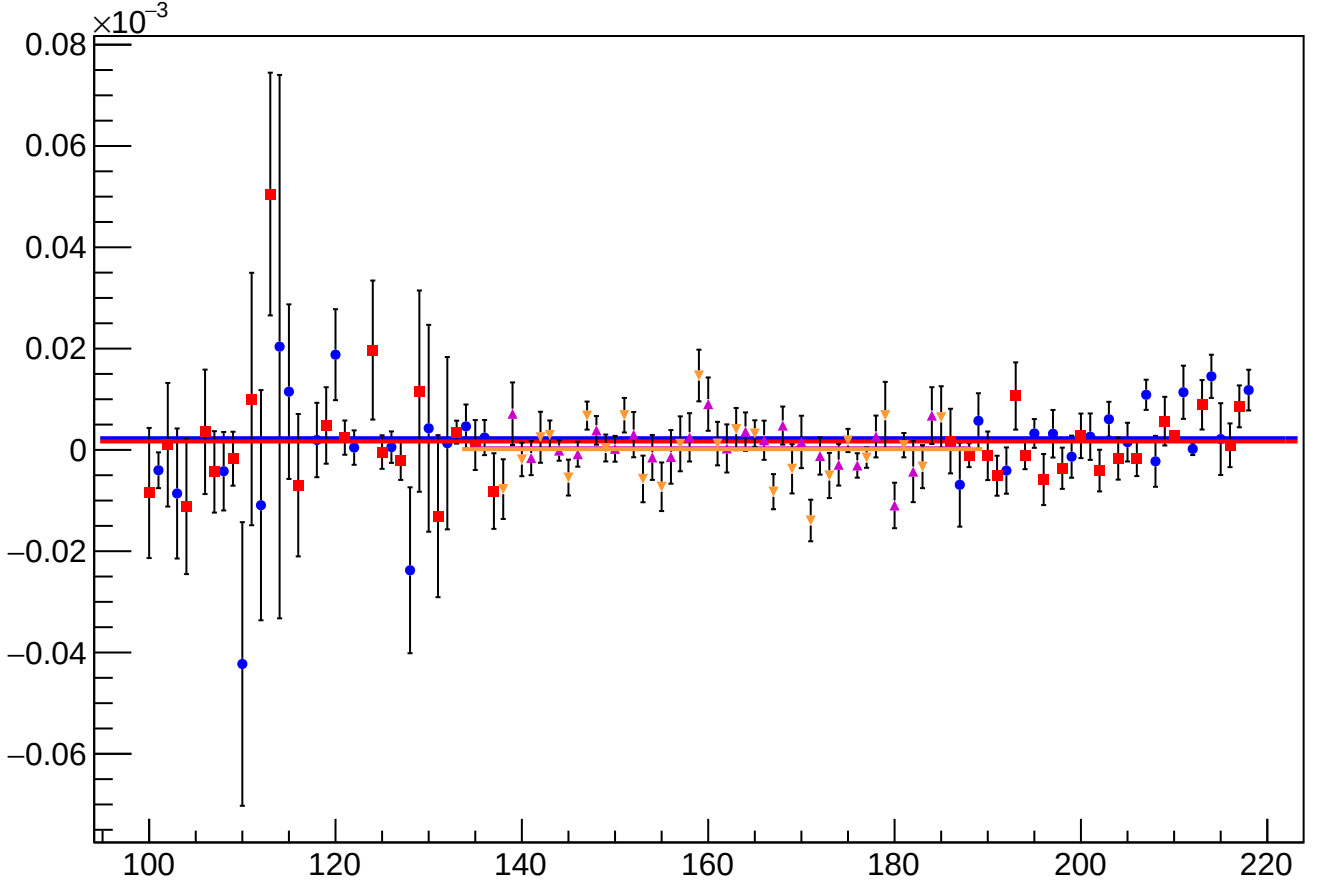
Right Out: 60.404+/-0.010 χ^2/NDF: 4873802.0/35

Left In: 54.688+/-0.009 χ^2/NDF:1190787.0/22

+ sign 56.414+/-0.007 χ^2/NDF: 5844480.5/56

All: 56.819+/-0.005 χ^2/NDF: 12082904.5/115

- sign 57.248+/-0.007 χ^2/NDF: 6231059.4/58



Right In: 0.000+/-0.000 χ^2/NDF: 49.4/31

Left Out: 0.000+/-0.000 χ^2/NDF:53.7/24

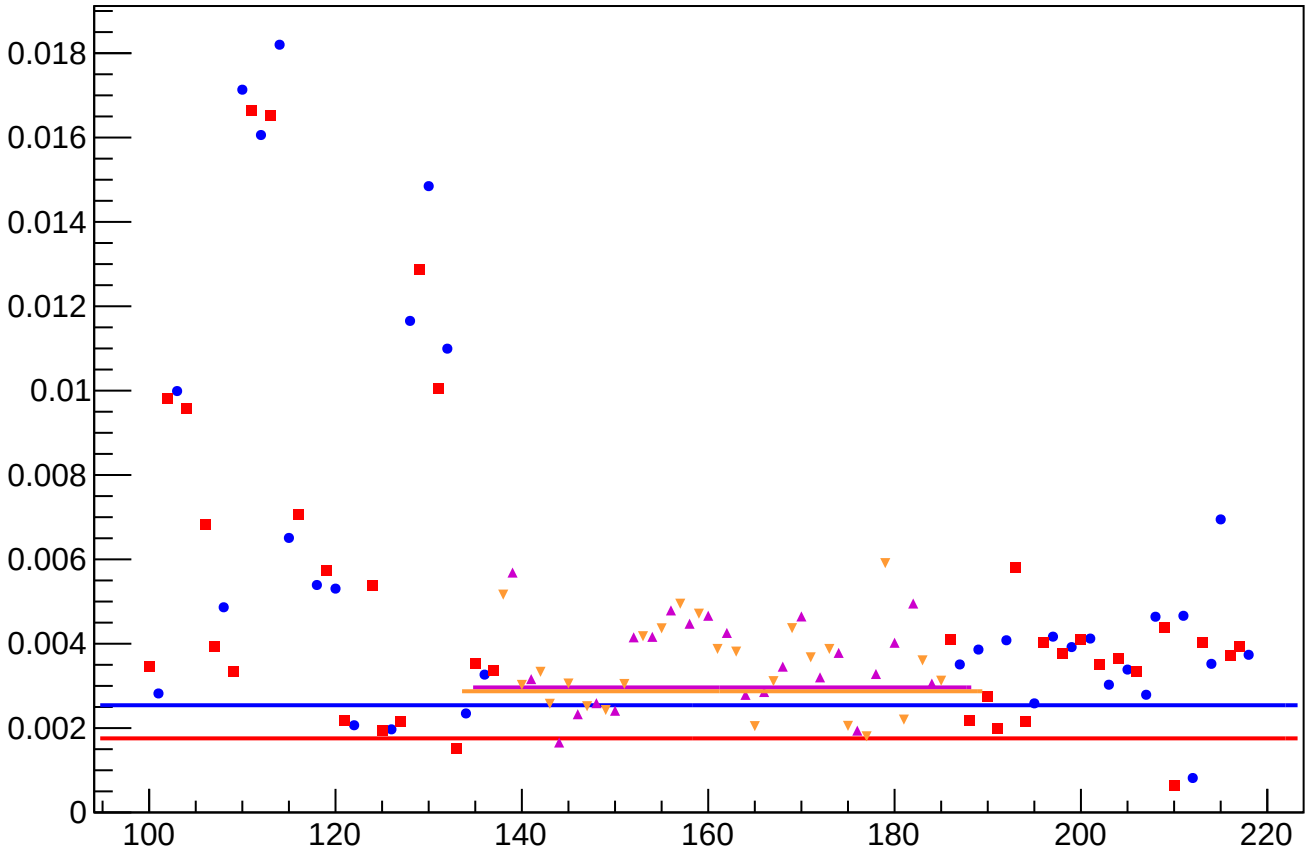
Right Out: 0.000+/-0.000 χ^2/NDF: 37.3/35

Left In: 0.000+/-0.000 χ^2/NDF:20.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 107.9/56

All: 0.000+/-0.000 χ^2/NDF: 168.0/115

- sign 0.000+/-0.000 χ^2/NDF: 60.1/58



Right In: 0.003+/-0.000 χ^2/NDF: 11907046.5/31

Left Out: 0.003+/-0.000 χ^2/NDF:3602368.5/24

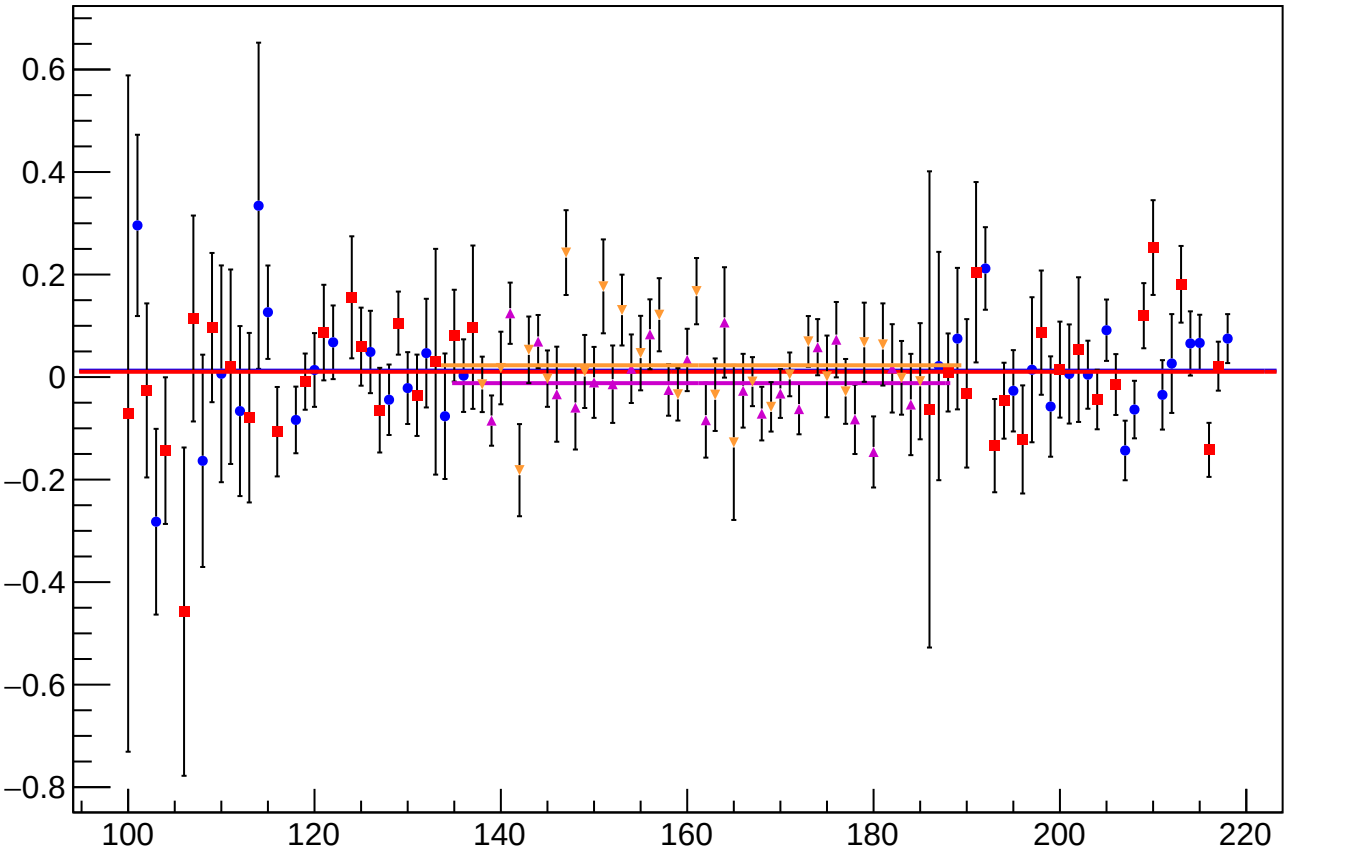
Right Out: 0.002+/-0.000 χ^2/NDF: 16759537.1/35

Left In: 0.003+/-0.000 χ^2/NDF:3619016.3/22

+ sign 0.003+/-0.000 χ^2/NDF: 15734022.9/56

All: 0.002+/-0.000 χ^2/NDF: 40923475.5/115

- sign 0.002+/-0.000 χ^2/NDF: 23816683.9/58



Right In: 0.013+/-0.014 χ^2/NDF: 35.1/31

Left Out: 0.023+/-0.013 χ^2/NDF:34.2/24

Right Out: 0.010+/-0.015 χ^2/NDF: 44.2/35

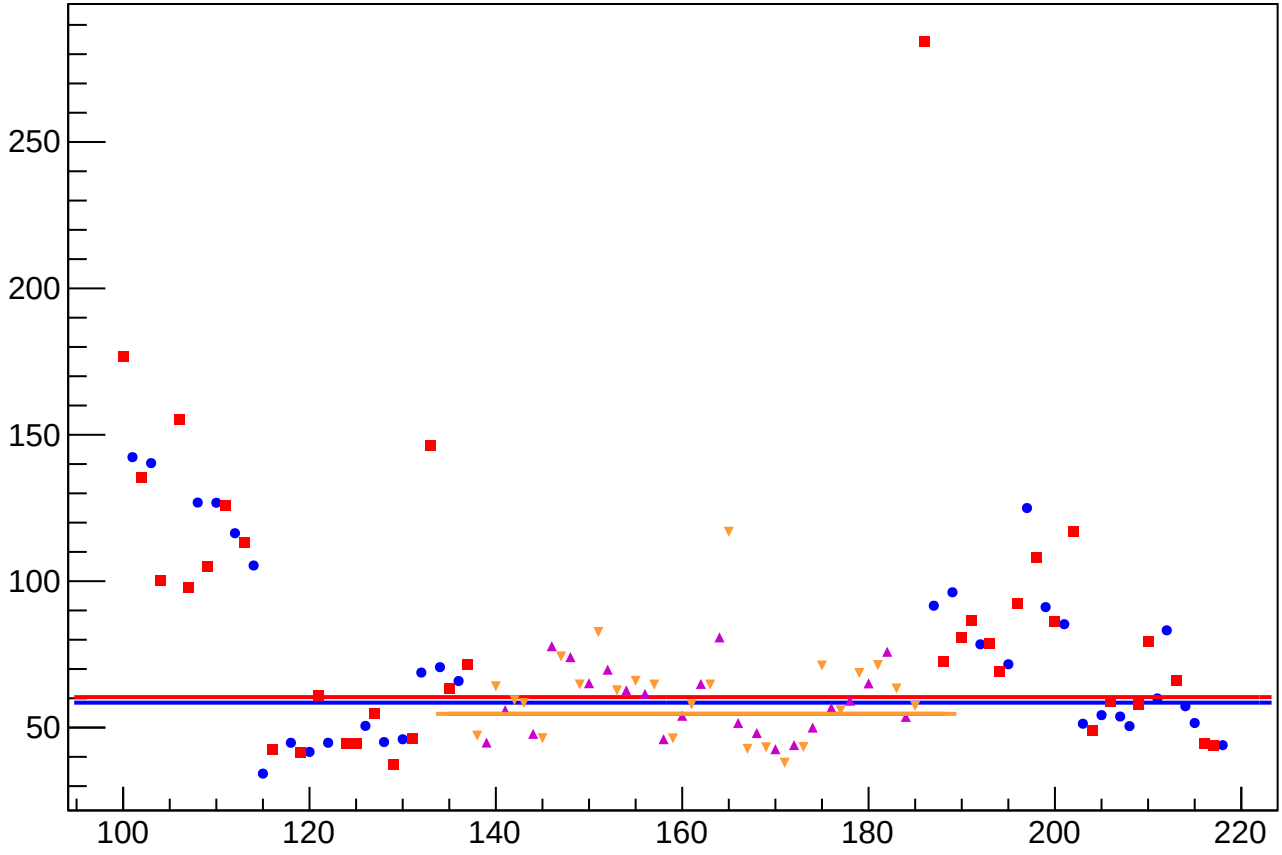
Left In: -0.012+/-0.013 χ^2/NDF:25.9/22

+ sign 0.018+/-0.010 χ^2/NDF: 69.5/56

All: 0.008+/-0.007 χ^2/NDF: 143.0/115

- sign -0.002+/-0.010 χ^2/NDF: 71.3/58

asym_sam_26_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 58.507+/-0.010 χ^2/NDF: 3828878.1/31

Left Out: 54.686+/-0.009 χ^2/NDF:1936555.1/24

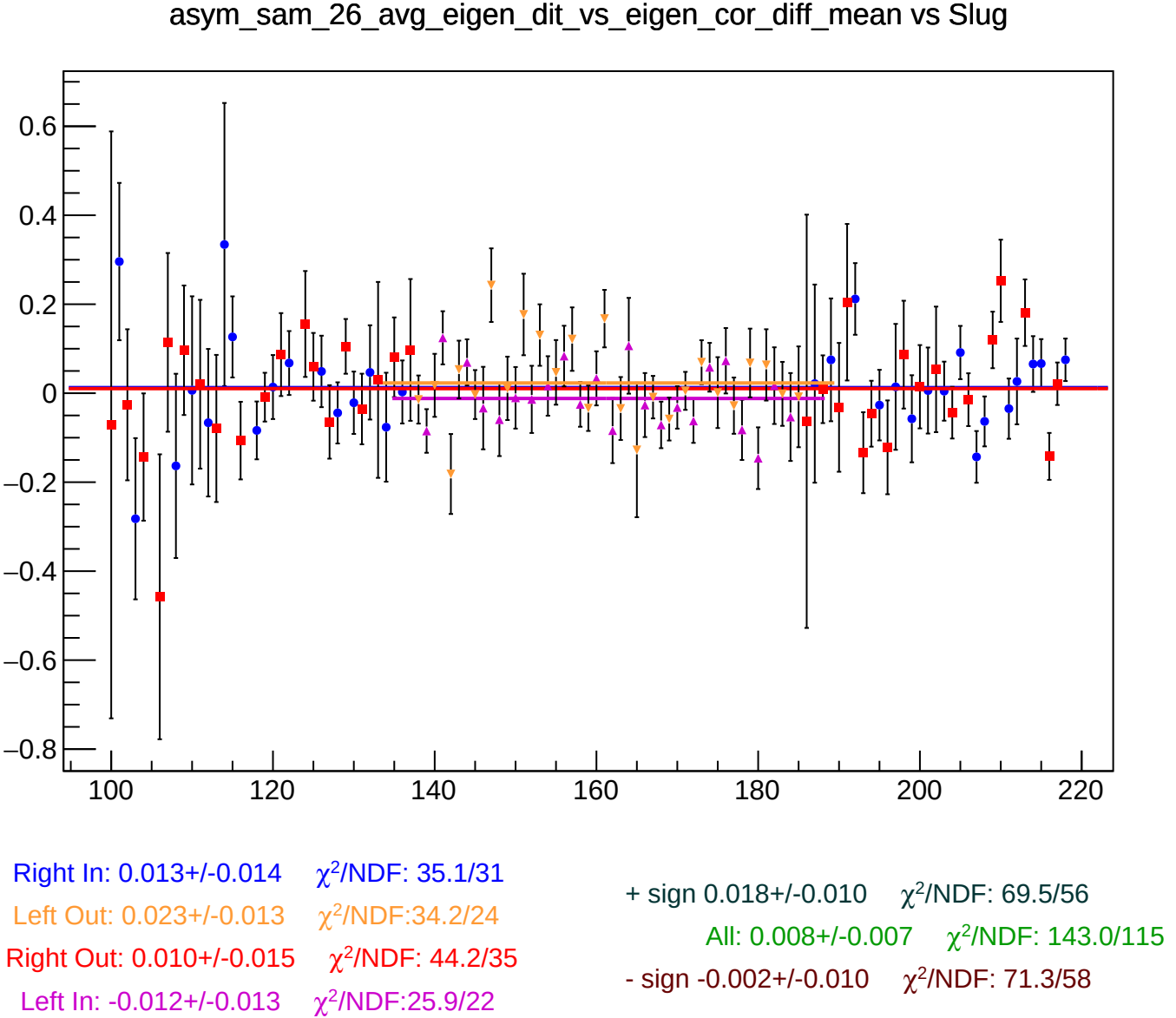
Right Out: 60.404+/-0.010 χ^2/NDF: 4873831.0/35

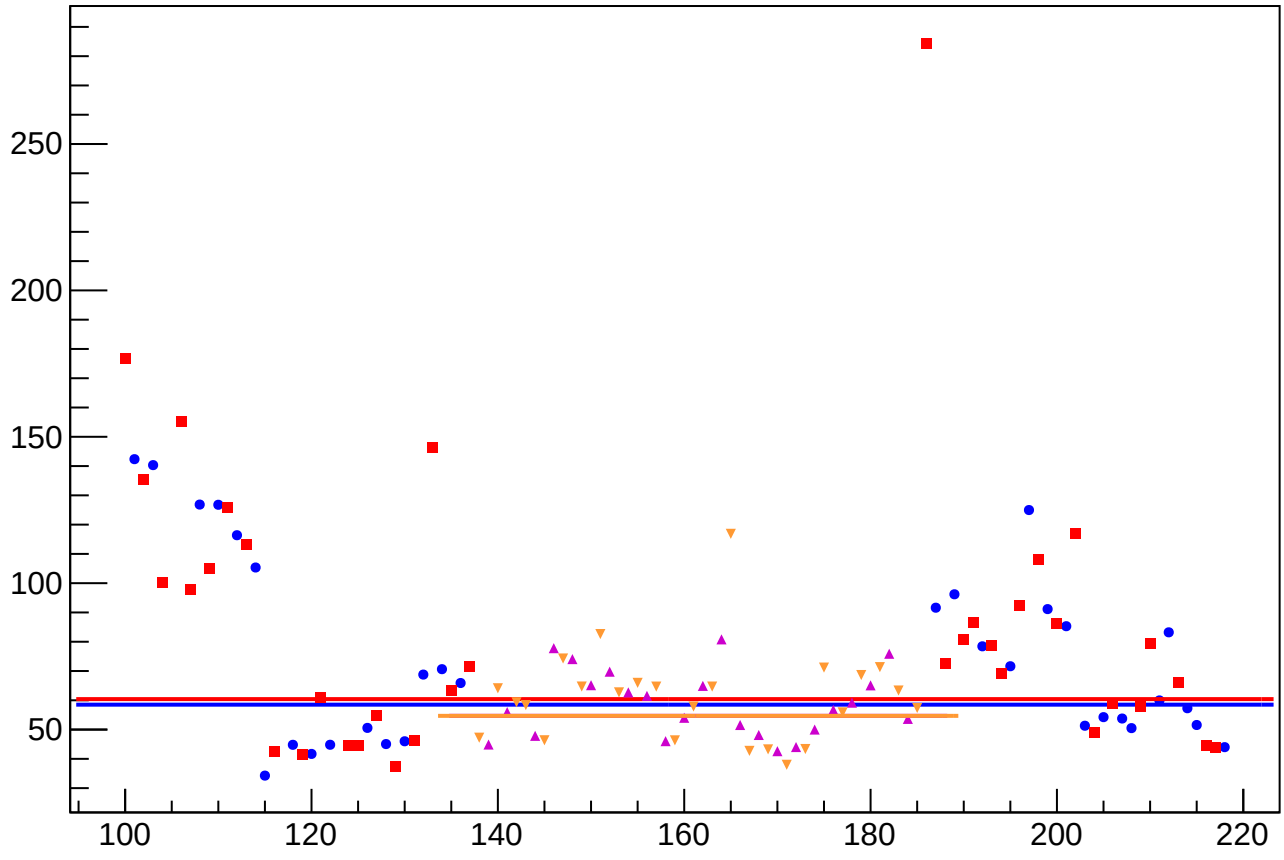
Left In: 54.689+/-0.009 χ^2/NDF:1190755.4/22

+ sign 56.415+/-0.007 χ^2/NDF: 5844420.2/56

All: 56.819+/-0.005 χ^2/NDF: 12082786.3/115

- sign 57.248+/-0.007 χ^2/NDF: 6231002.0/58


asym_sam_26_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
100
120
140
160
180
200
220
Right In: 0.013+/-0.014 χ²/NDF: 35.1/31
Left Out: 0.023+/-0.013 χ²/NDF:34.2/24
Right Out: 0.010+/-0.015 χ²/NDF: 44.2/35
Left In: -0.012+/-0.013 χ²/NDF:25.9/22
+ sign 0.018+/-0.010 χ²/NDF: 69.5/56
All: 0.008+/-0.007 χ²/NDF: 143.0/115
- sign -0.002+/-0.010 χ²/NDF: 71.3/58



Right In: 58.507+/-0.010 χ^2/NDF: 3828878.1/31

Left Out: 54.686+/-0.009 χ^2/NDF:1936555.1/24

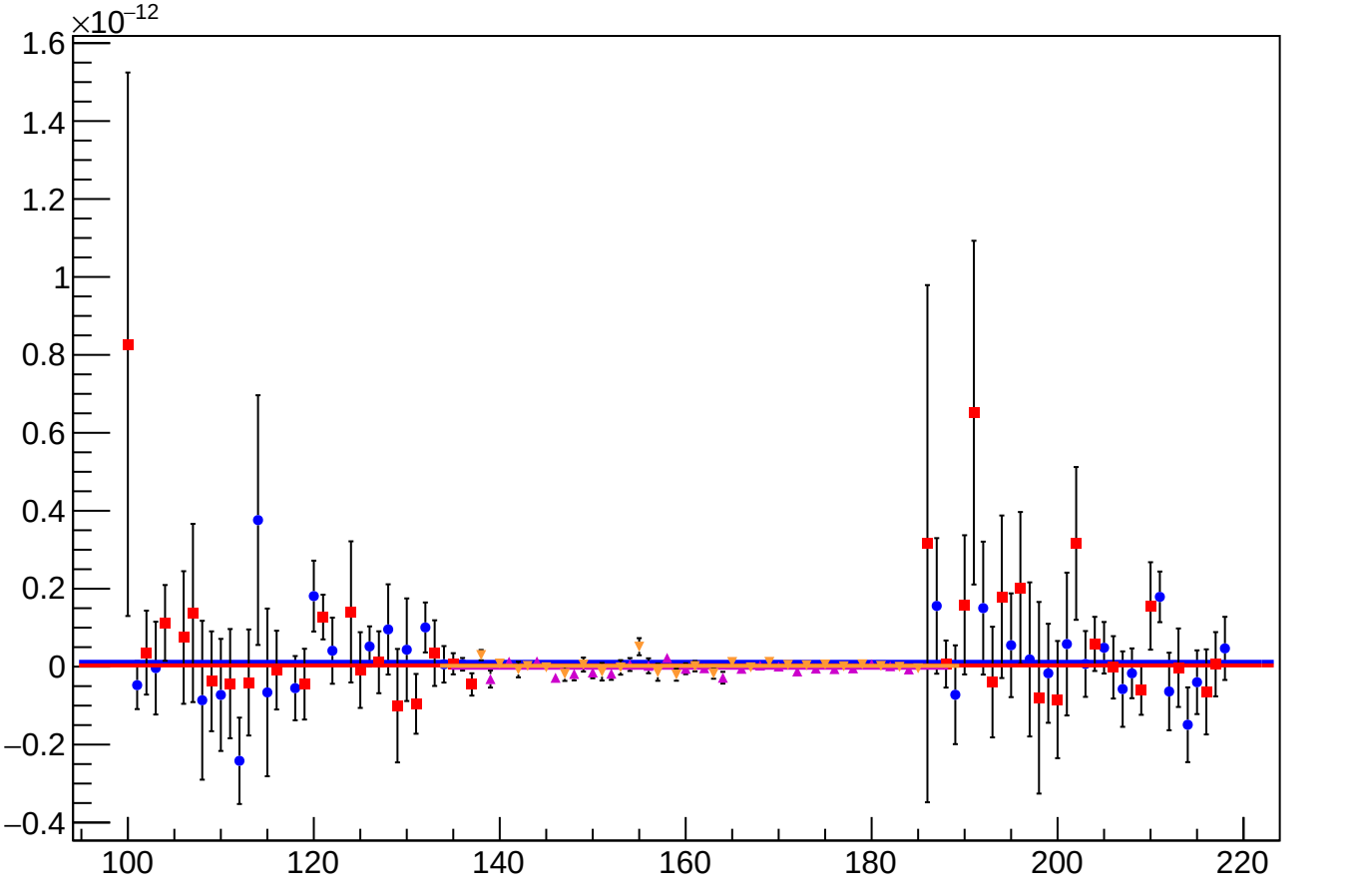
Right Out: 60.404+/-0.010 χ^2/NDF: 4873831.0/35

Left In: 54.689+/-0.009 χ^2/NDF:1190755.4/22

+ sign 56.415+/-0.007 χ^2/NDF: 5844420.2/56

All: 56.819+/-0.005 χ^2/NDF: 12082786.3/115

- sign 57.248+/-0.007 χ^2/NDF: 6231002.0/58



Right In: 0.000+/-0.000 χ^2/NDF: 29.3/31

Left Out: 0.000+/-0.000 χ^2/NDF:20.7/24

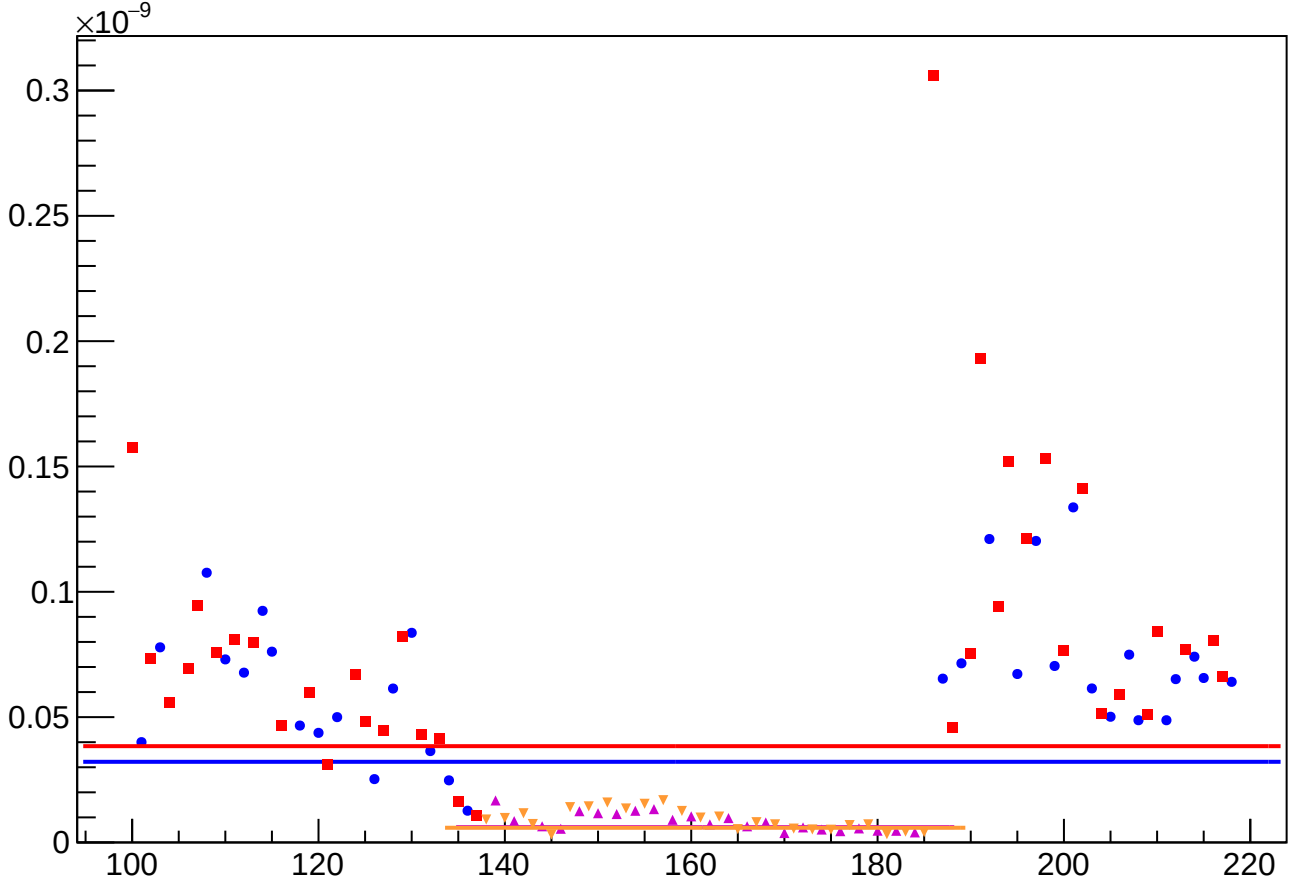
Right Out: 0.000+/-0.000 χ^2/NDF: 26.2/35

Left In: -0.000+/-0.000 χ^2/NDF:33.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 50.8/56

All: -0.000+/-0.000 χ^2/NDF: 114.1/115

- sign -0.000+/-0.000 χ^2/NDF: 59.5/58



Right In: 0.000+/-0.000 χ^2/NDF: 9166870.6/31

Left Out: 0.000+/-0.000 χ^2/NDF:5538819.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9178335.6/35

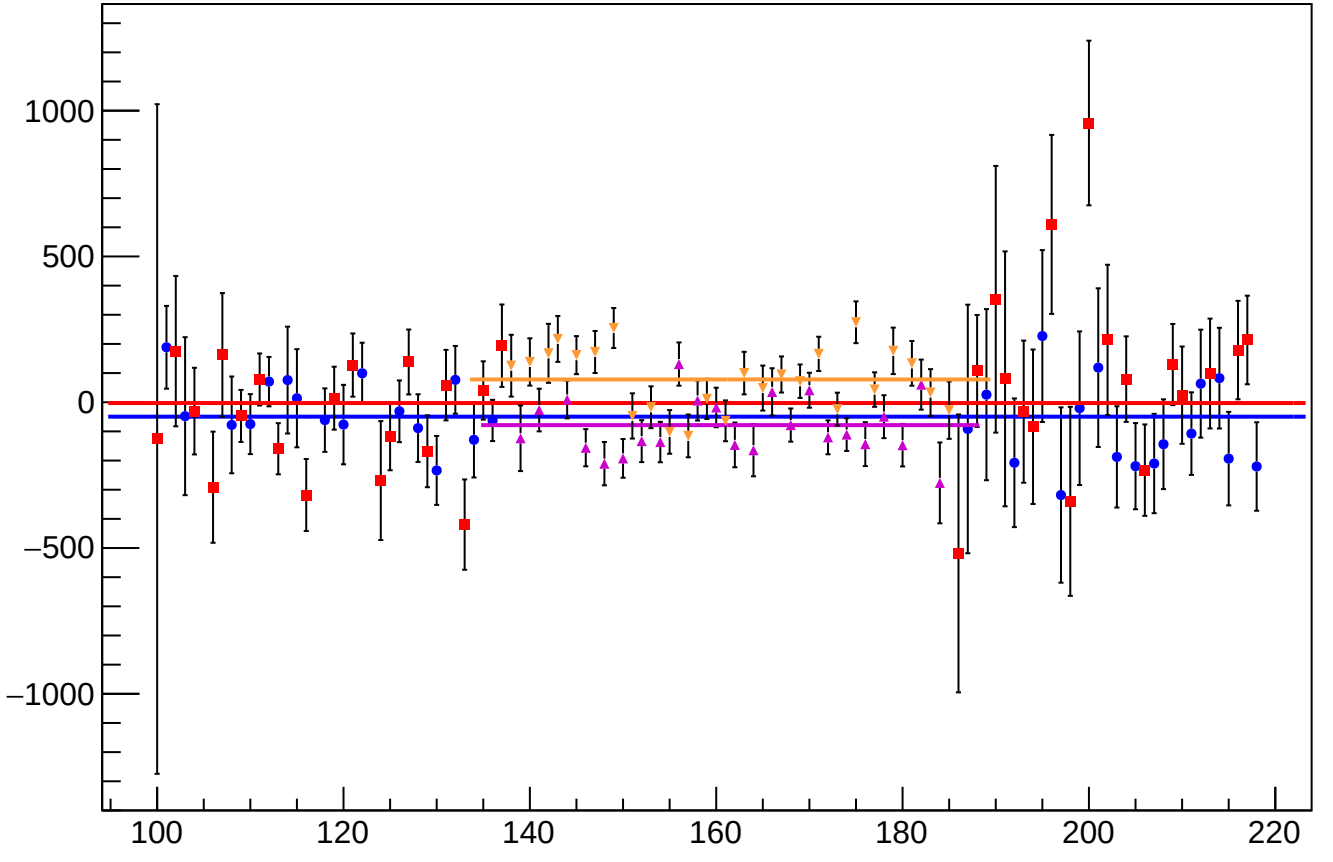
Left In: 0.000+/-0.000 χ^2/NDF:3304370.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 25132573.7/56

All: 0.000+/-0.000 χ^2/NDF: 49230331.4/115

- sign 0.000+/-0.000 χ^2/NDF: 24079940.7/58

reg_asym_sam_37_avg_mean vs Slug



Right In: -49.506+/-24.732 χ^2/NDF: 20.8/31

Left Out: 78.159+/-14.326 χ^2/NDF:53.9/24

Right Out: -2.702+/-24.717 χ^2/NDF: 57.9/35

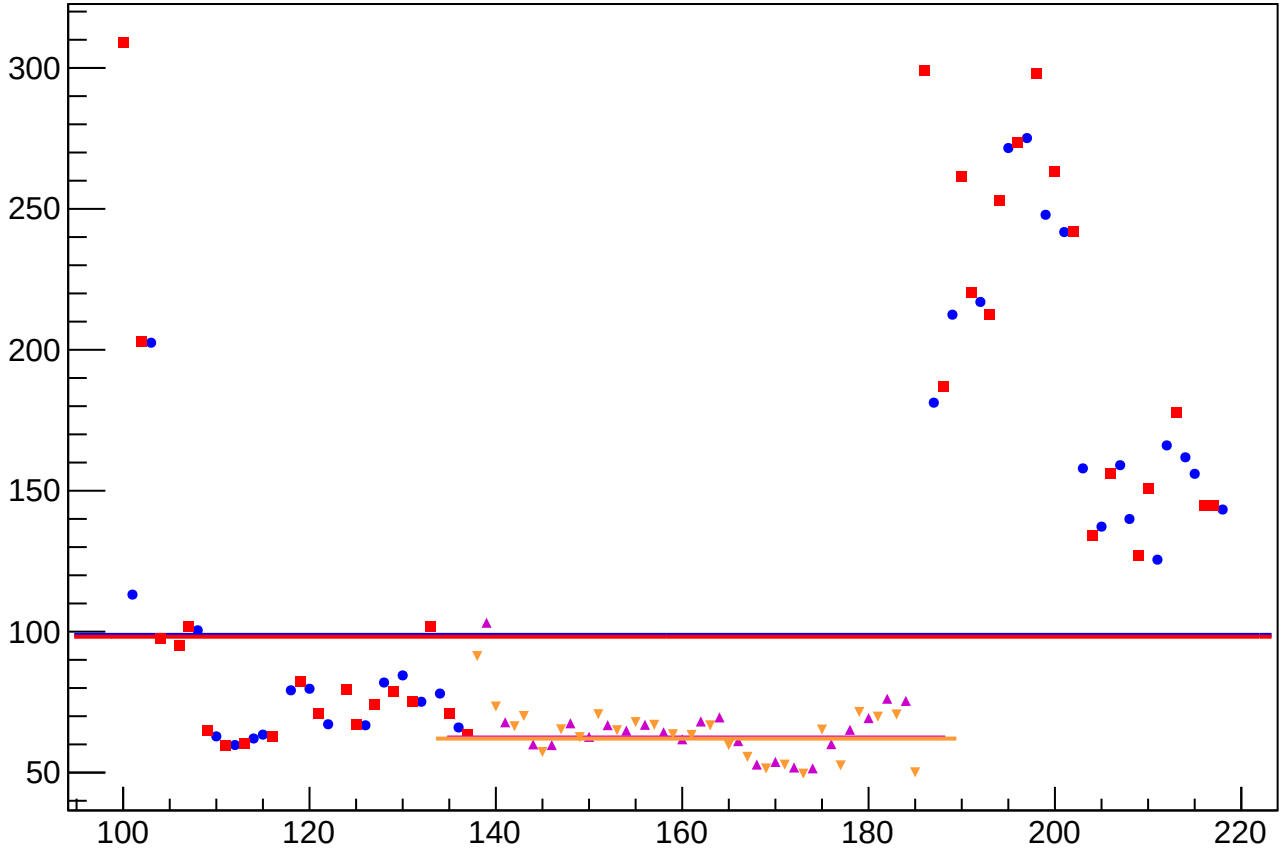
Left In: -78.506+/-14.811 χ^2/NDF:36.7/22

+ sign 46.087+/-12.396 χ^2/NDF: 94.7/56

All: -4.910+/-8.873 χ^2/NDF: 230.8/115

- sign -58.479+/-12.705 χ^2/NDF: 101.5/58

reg_asym_sam_37_avg_rms vs Slug



Right In: 98.859+/-0.017 χ^2/NDF: 7561113.6/31

Left Out: 62.063+/-0.010 χ^2/NDF:686530.2/24

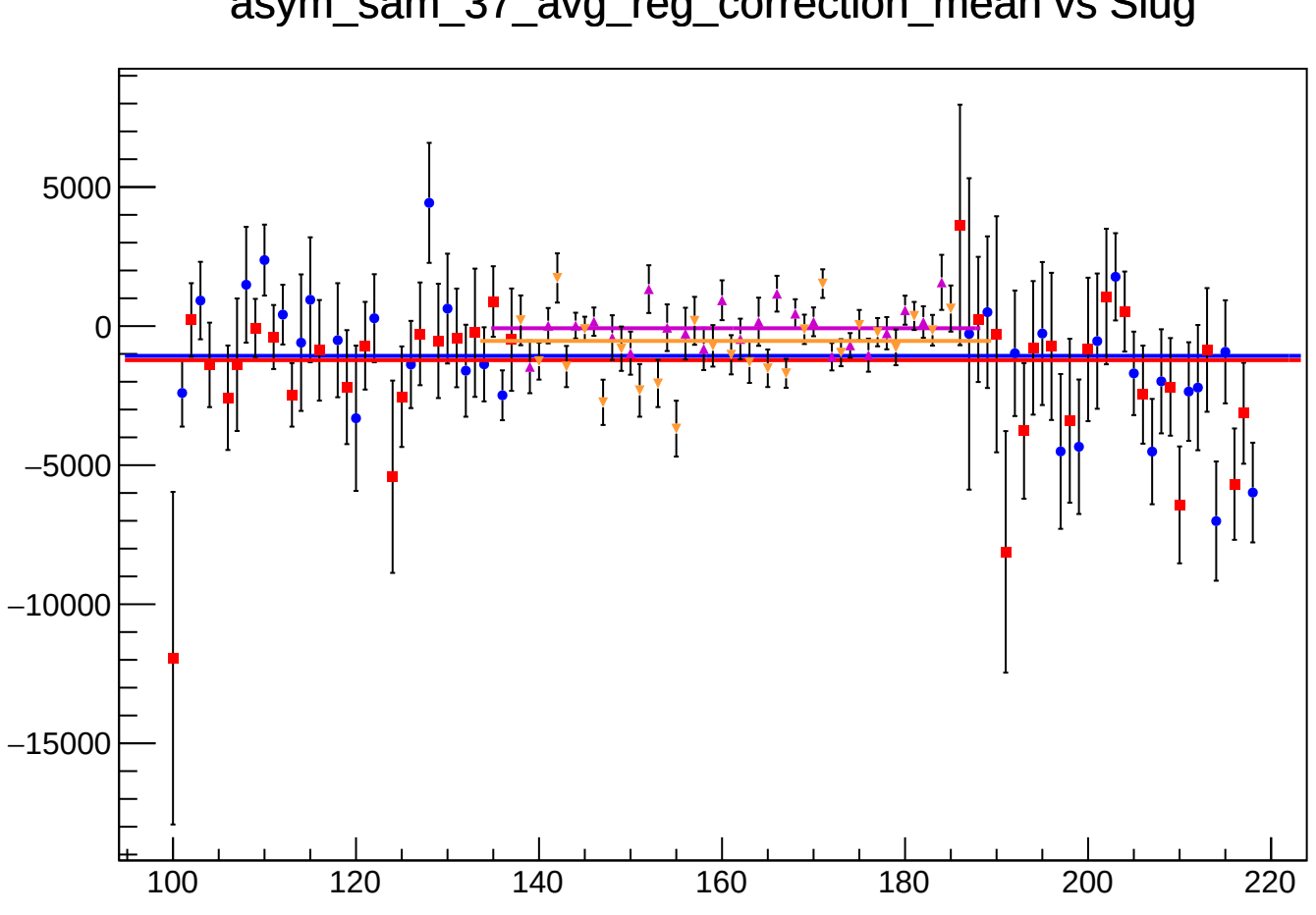
Right Out: 98.207+/-0.017 χ^2/NDF: 8809420.9/35

Left In: 62.445+/-0.010 χ^2/NDF:664644.9/22

+ sign 71.306+/-0.009 χ^2/NDF: 11562464.7/56

All: 71.593+/-0.006 χ^2/NDF: 24119245.3/115

- sign 71.894+/-0.009 χ^2/NDF: 12554592.6/58



Right In: -1070.460+/-303.678 χ^2/NDF: 53.1/31

Left Out: -532.779+/-127.927 χ^2/NDF:69.1/24

Right Out: -1223.955+/-307.050 χ^2/NDF: 35.3/35

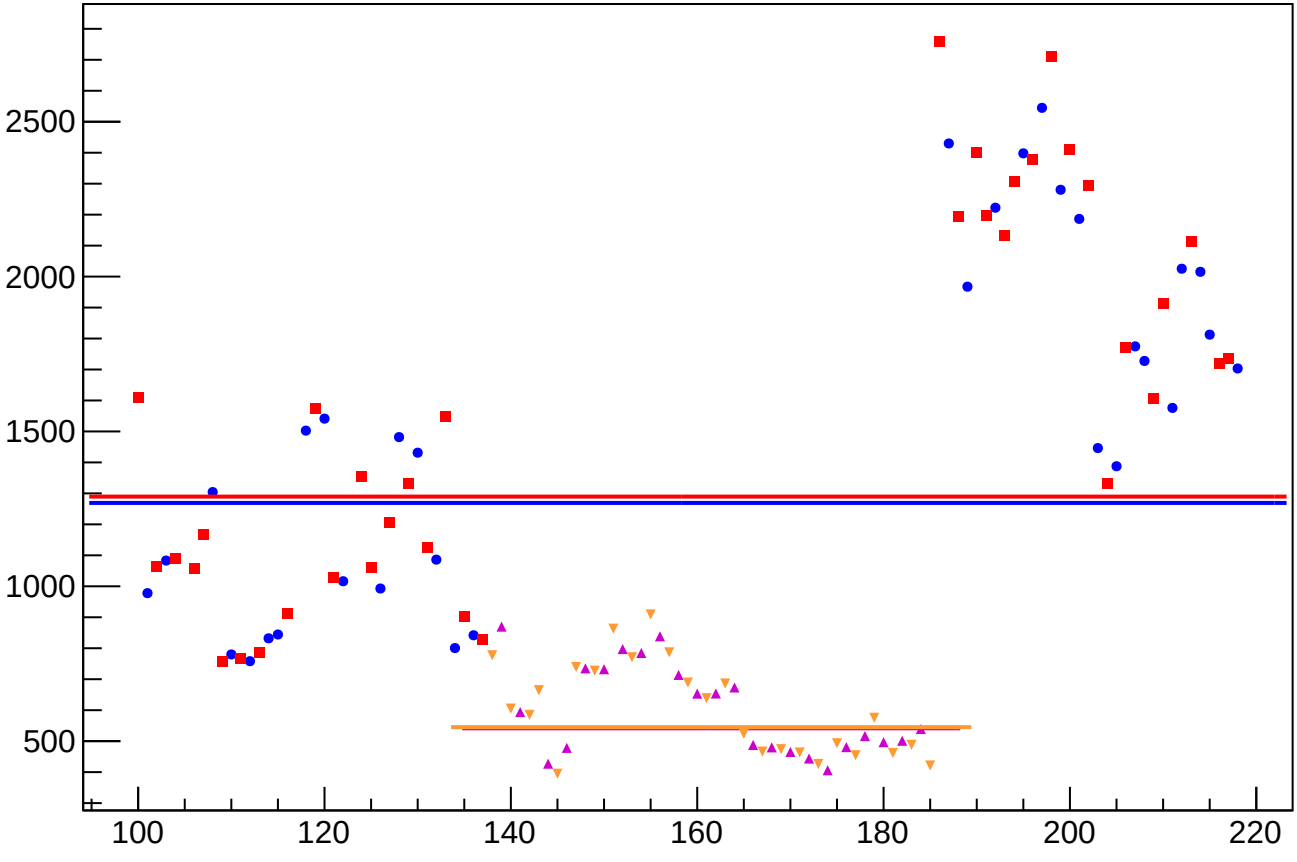
Left In: -77.393+/-130.317 χ^2/NDF:28.4/22

+ sign -613.814+/-117.893 χ^2/NDF: 124.9/56

All: -436.247+/-84.084 χ^2/NDF: 205.0/115

- sign -252.399+/-119.960 χ^2/NDF: 75.5/58

asym_sam_37_avg_reg_correction_rms vs Slug



Right In: 1269.205+/-0.215 χ^2/NDF: 5085590.0/31

Left Out: 545.304+/-0.090 χ^2/NDF:2083690.3/24

Right Out: 1289.632+/-0.217 χ^2/NDF: 5799157.9/35

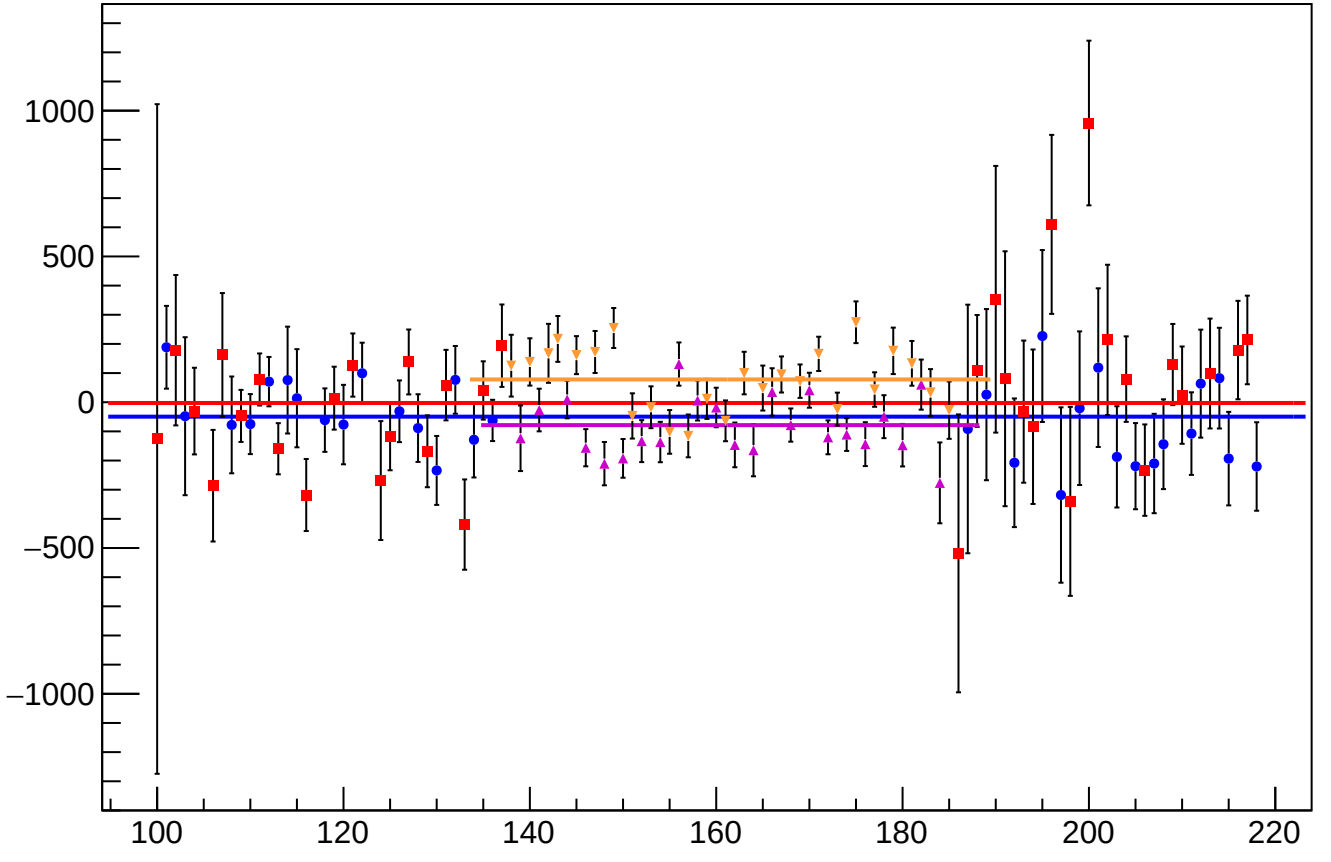
Left In: 541.458+/-0.092 χ^2/NDF:1840342.7/22

+ sign 654.405+/-0.083 χ^2/NDF: 16821260.7/56

All: 655.019+/-0.059 χ^2/NDF: 34522922.5/11

- sign 655.656+/-0.085 χ^2/NDF: 17701551.3/58

cor_asym_sam_37_avg_mean vs Slug



Right In: -49.514+/-24.732 χ^2/NDF: 20.8/31

Left Out: 78.162+/-14.326 χ^2/NDF:53.9/24

Right Out: -2.549+/-24.719 χ^2/NDF: 57.8/35

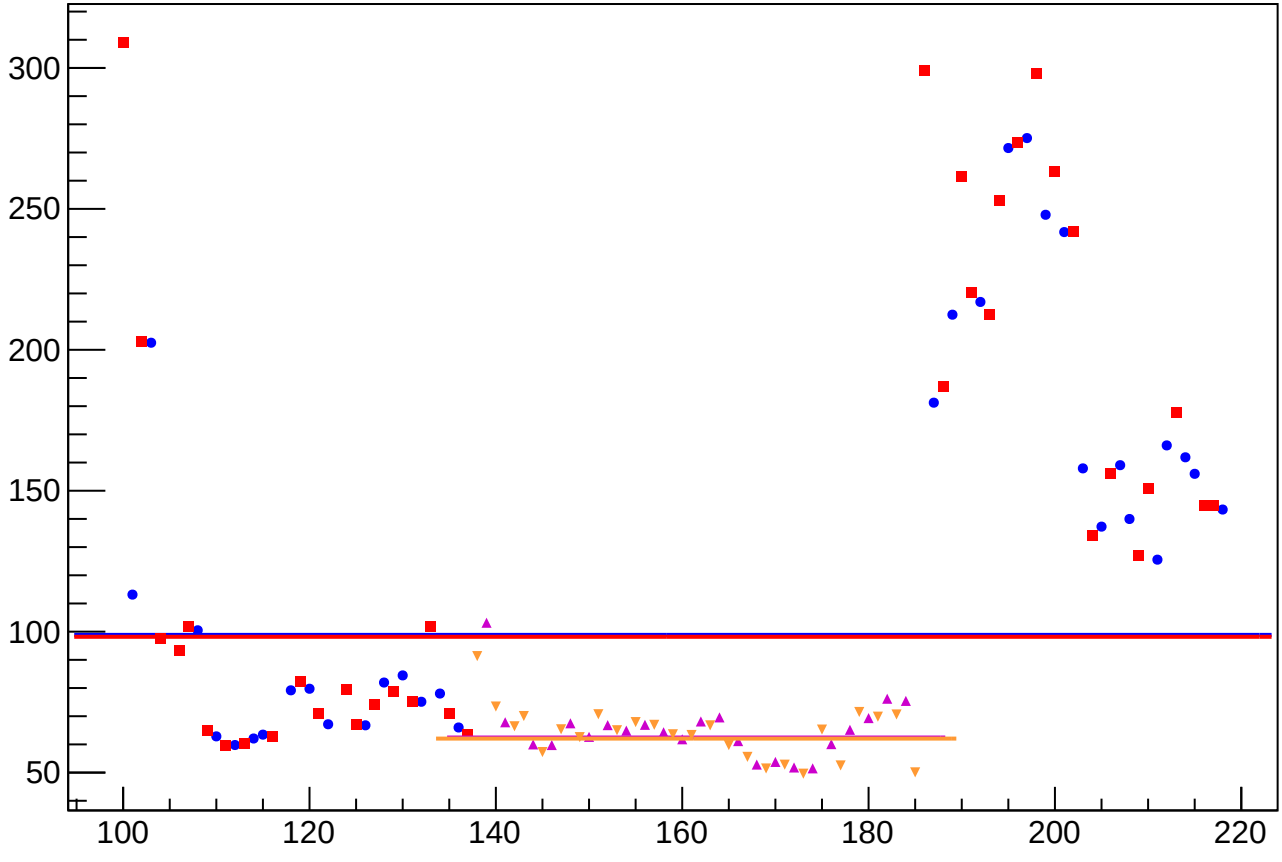
Left In: -78.506+/-14.811 χ^2/NDF:36.7/22

+ sign 46.088+/-12.396 χ^2/NDF: 94.7/56

All: -4.890+/-8.873 χ^2/NDF: 230.7/115

- sign -58.440+/-12.705 χ^2/NDF: 101.4/58

cor_asym_sam_37_avg_rms vs Slug



Right In: 98.859+/-0.017 χ^2/NDF: 7561116.0/31

Left Out: 62.063+/-0.010 χ^2/NDF:686530.2/24

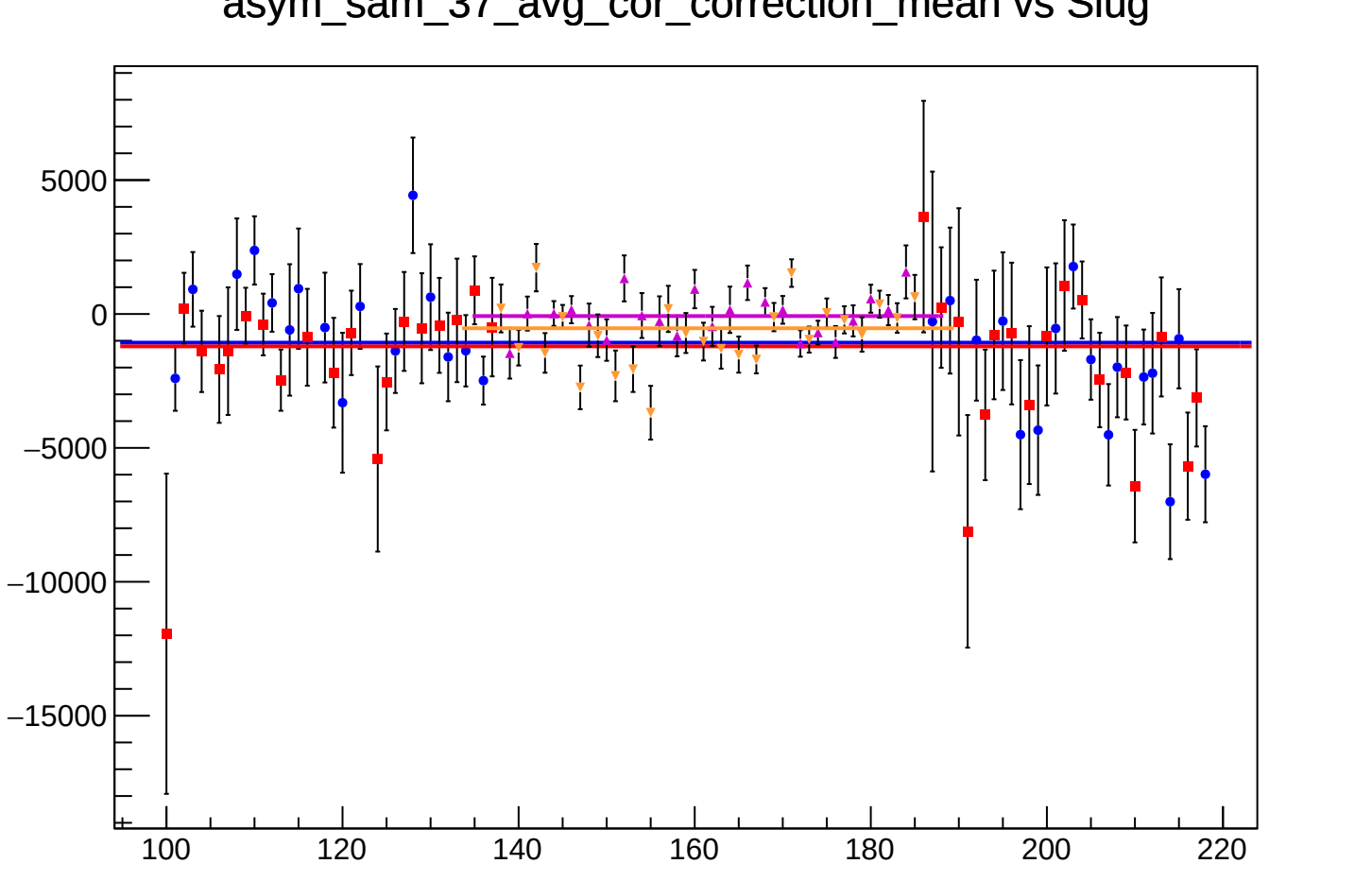
Right Out: 98.179+/-0.017 χ^2/NDF: 8810384.8/35

Left In: 62.445+/-0.010 χ^2/NDF:664644.9/22

+ sign 71.306+/-0.009 χ^2/NDF: 11562466.6/56

All: 71.589+/-0.006 χ^2/NDF: 24115004.0/115

- sign 71.885+/-0.009 χ^2/NDF: 12550411.7/58



Right In: -1070.457+/-303.680 χ^2/NDF: 53.1/31

Left Out: -532.776+/-127.927 χ^2/NDF:69.1/24

Right Out: -1208.337+/-307.529 χ^2/NDF: 34.9/35

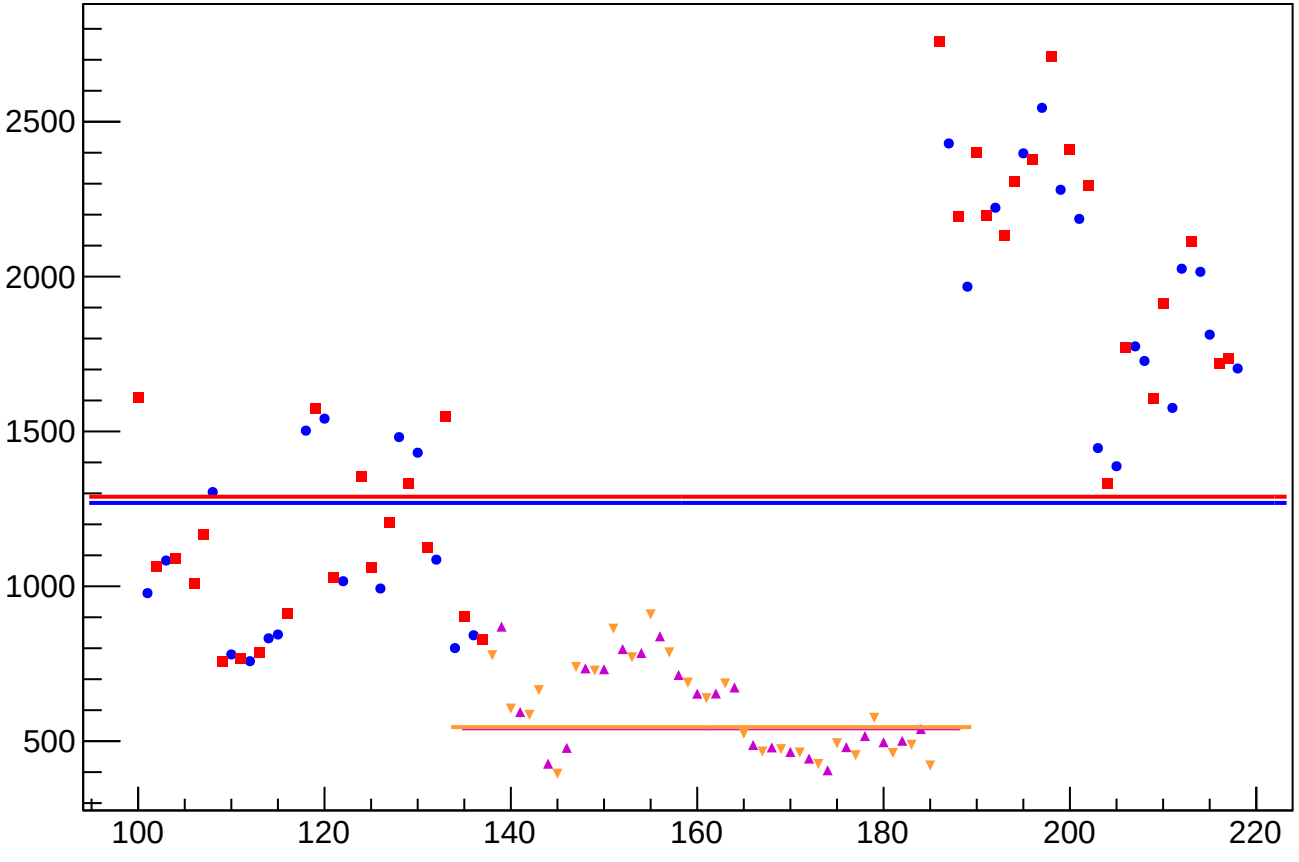
Left In: -77.392+/-130.317 χ^2/NDF:28.4/22

+ sign -613.811+/-117.893 χ^2/NDF: 124.9/56

All: -434.894+/-84.094 χ^2/NDF: 204.3/115

- sign -249.559+/-119.989 χ^2/NDF: 74.8/58

asym_sam_37_avg_cor_correction_rms vs Slug



Right In: 1269.212+/-0.215 χ^2/NDF: 5085546.8/31

Left Out: 545.304+/-0.090 χ^2/NDF:2083686.2/24

Right Out: 1289.252+/-0.217 χ^2/NDF: 5807619.1/35

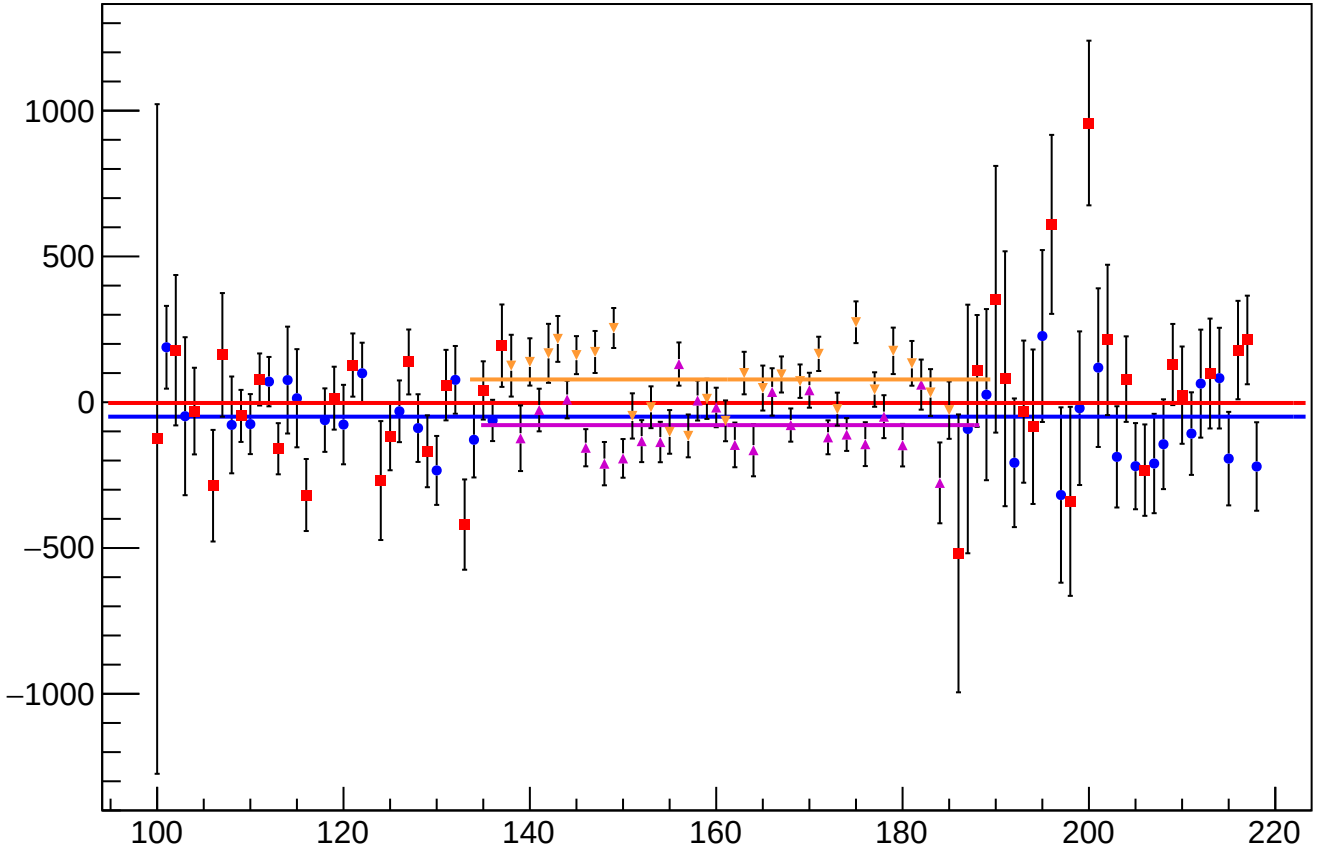
Left In: 541.458+/-0.092 χ^2/NDF:1840342.7/22

+ sign 654.405+/-0.083 χ^2/NDF: 16821315.8/56

All: 654.843+/-0.059 χ^2/NDF: 34494680.8/11

- sign 655.297+/-0.085 χ^2/NDF: 17673308.8/58

eigen_cor_asym_sam_37_avg_mean vs Slug



Right In: -49.514+/-24.732 χ^2/NDF: 20.8/31

Left Out: 78.162+/-14.326 χ^2/NDF:53.9/24

Right Out: -2.549+/-24.719 χ^2/NDF: 57.8/35

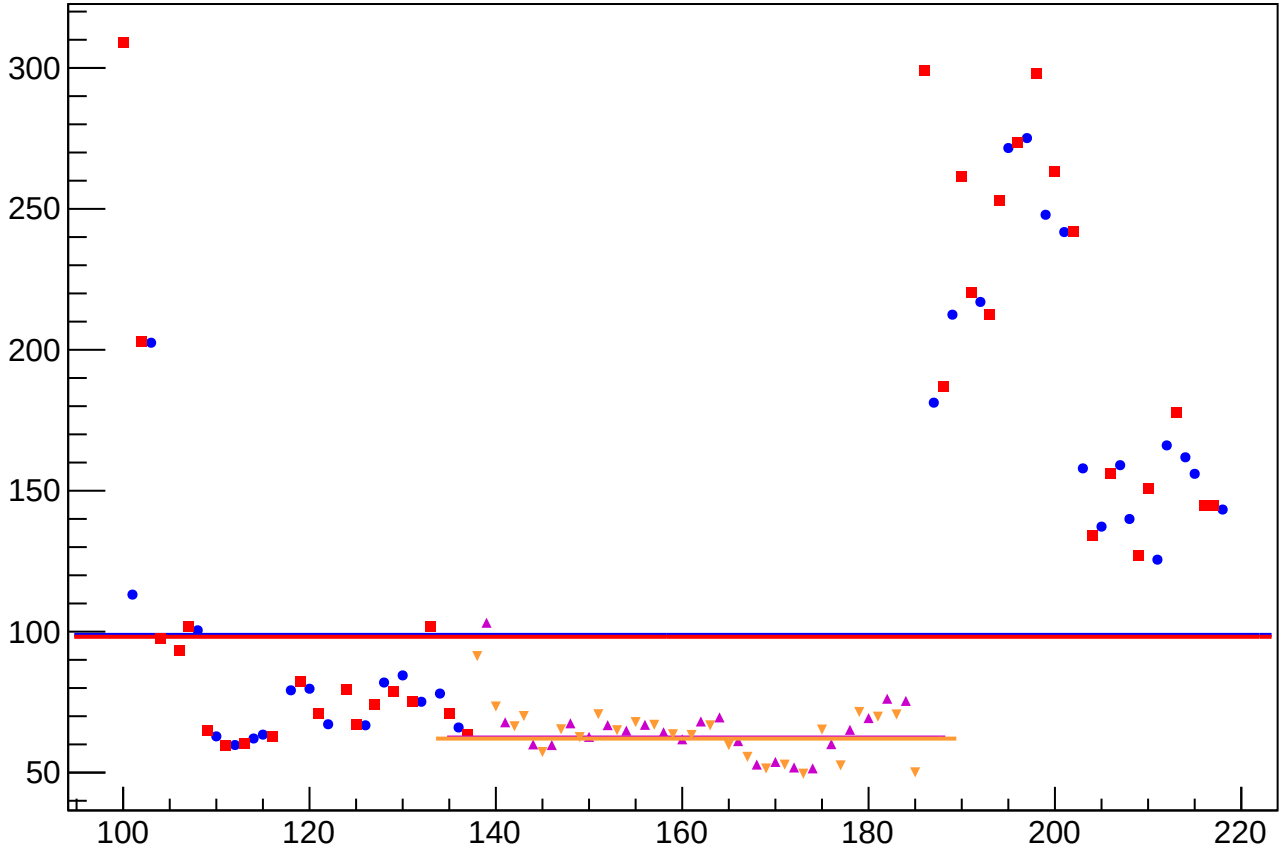
Left In: -78.506+/-14.811 χ^2/NDF:36.7/22

+ sign 46.088+/-12.396 χ^2/NDF: 94.7/56

All: -4.890+/-8.873 χ^2/NDF: 230.7/115

- sign -58.440+/-12.705 χ^2/NDF: 101.4/58

eigen_cor_asym_sam_37_avg_rms vs Slug



Right In: 98.859+/-0.017 χ^2/NDF: 7561116.0/31

Left Out: 62.063+/-0.010 χ^2/NDF:686530.2/24

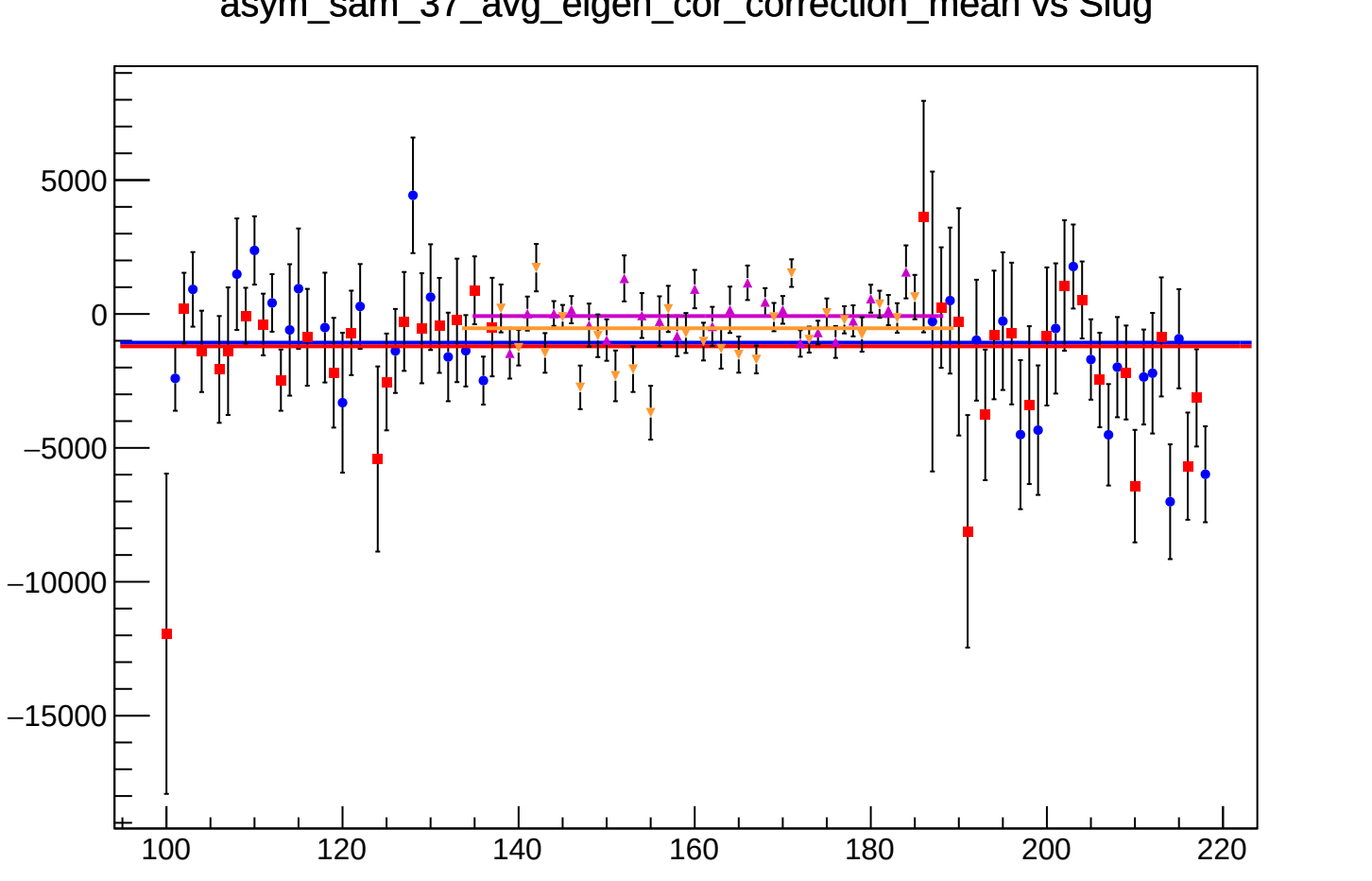
Right Out: 98.179+/-0.017 χ^2/NDF: 8810384.8/35

Left In: 62.445+/-0.010 χ^2/NDF:664644.9/22

+ sign 71.306+/-0.009 χ^2/NDF: 11562466.6/56

All: 71.589+/-0.006 χ^2/NDF: 24115004.0/115

- sign 71.885+/-0.009 χ^2/NDF: 12550411.7/58



Right In: -1070.457+/-303.680 χ^2/NDF: 53.1/31

Left Out: -532.776+/-127.927 χ^2/NDF:69.1/24

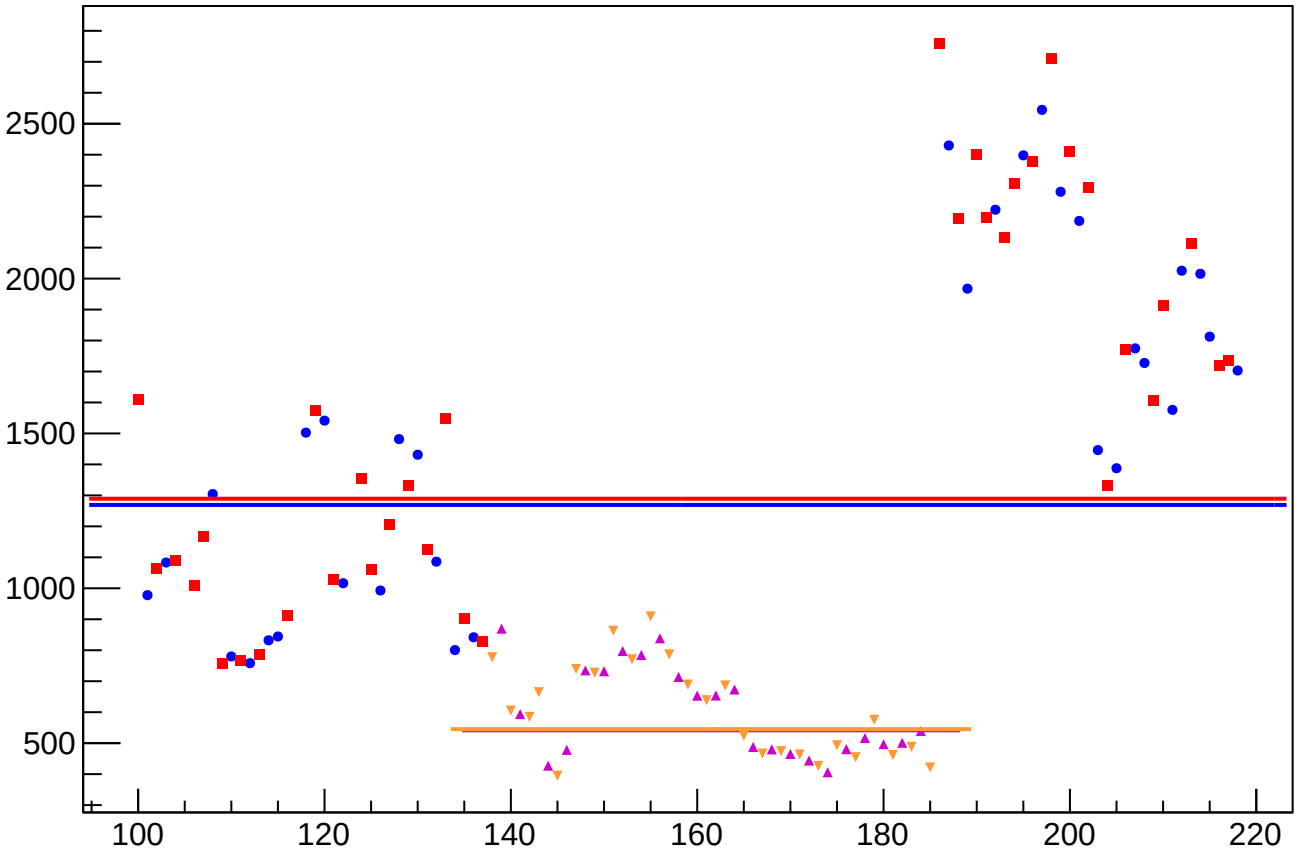
Right Out: -1208.337+/-307.529 χ^2/NDF: 34.9/35

Left In: -77.392+/-130.317 χ^2/NDF:28.4/22

+ sign -613.811+/-117.893 χ^2/NDF: 124.9/56

All: -434.894+/-84.094 χ^2/NDF: 204.3/115

- sign -249.559+/-119.989 χ^2/NDF: 74.8/58



Right In: 1269.212+/-0.215 χ^2/NDF: 5085546.8/31

Left Out: 545.304+/-0.090 χ^2/NDF:2083686.2/24

Right Out: 1289.252+/-0.217 χ^2/NDF: 5807619.1/35

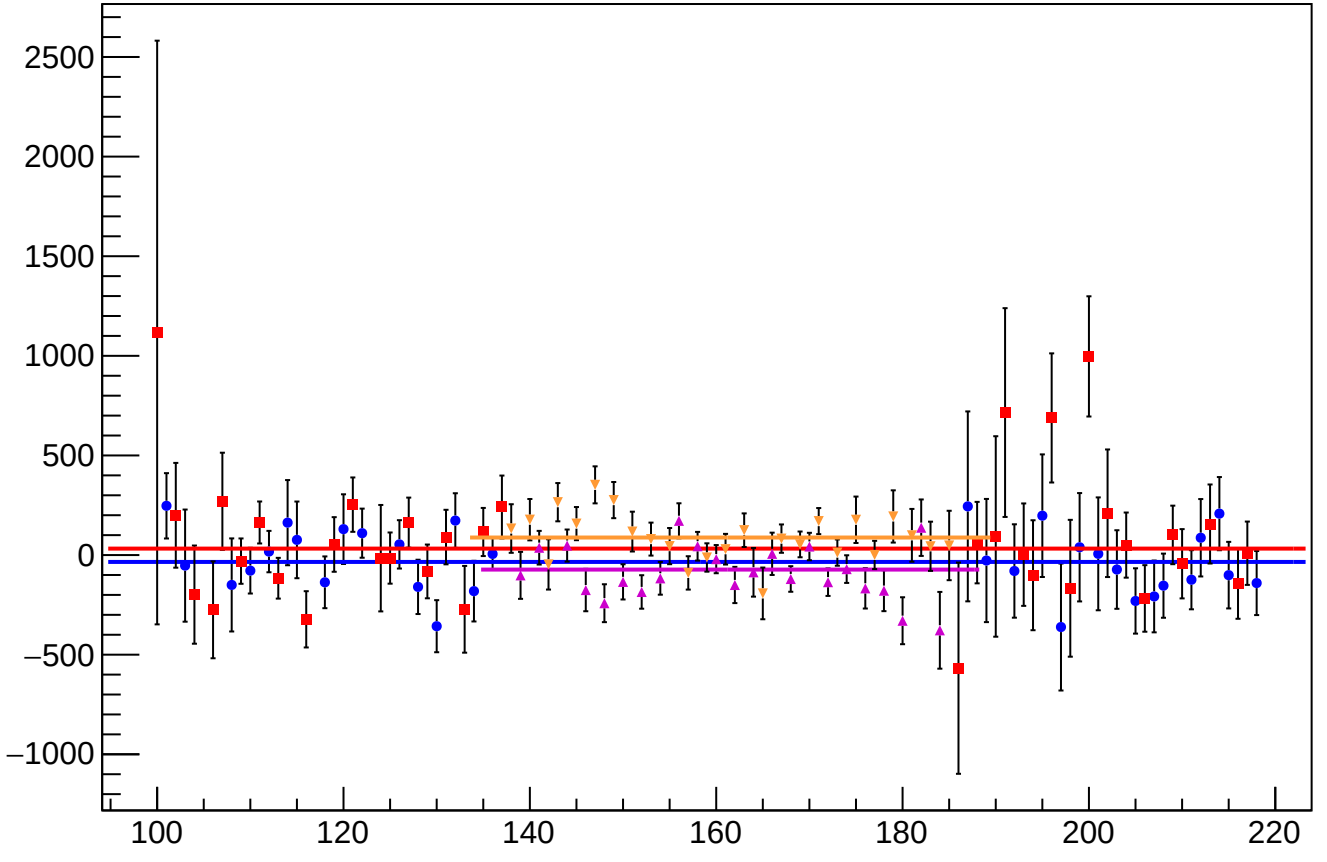
Left In: 541.458+/-0.092 χ^2/NDF:1840342.7/22

+ sign 654.405+/-0.083 χ^2/NDF: 16821315.8/56

All: 654.843+/-0.059 χ^2/NDF: 34494680.8/11

- sign 655.297+/-0.085 χ^2/NDF: 17673308.8/58

dit_asym_sam_37_avg_mean vs Slug



Right In: -34.473+/-28.114 χ^2/NDF: 26.7/31

Left Out: 88.040+/-17.745 χ^2/NDF:36.9/24

Right Out: 32.432+/-28.713 χ^2/NDF: 45.9/35

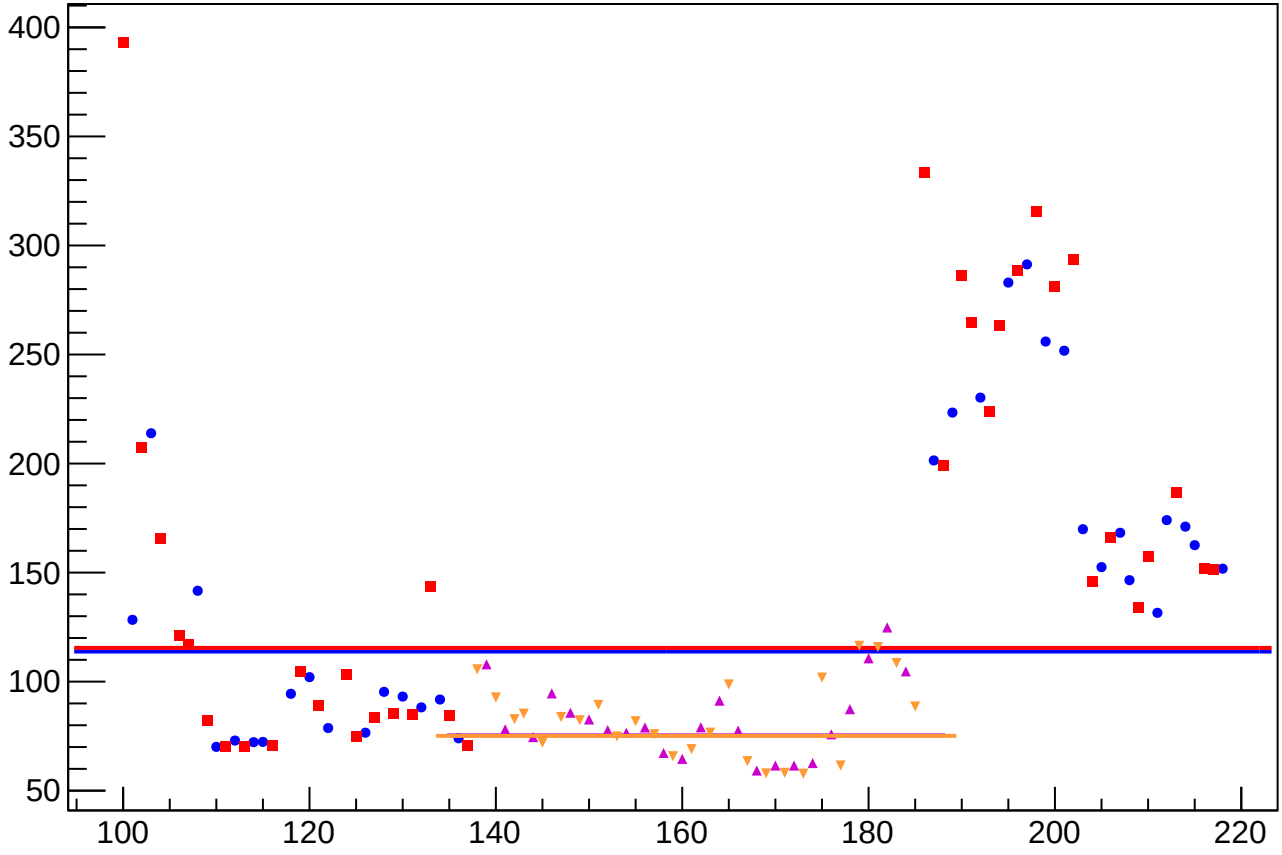
Left In: -72.849+/-18.276 χ^2/NDF:38.4/22

+ sign 53.138+/-15.006 χ^2/NDF: 77.2/56

All: 6.617+/-10.753 χ^2/NDF: 190.9/115

- sign -42.493+/-15.418 χ^2/NDF: 93.9/58

dit_asym_sam_37_avg_rms vs Slug



Right In: 113.809+/-0.020 χ^2/NDF: 6460630.6/31

Left Out: 75.128+/-0.013 χ^2/NDF:1601461.8/24

Right Out: 115.472+/-0.020 χ^2/NDF: 7776942.9/35

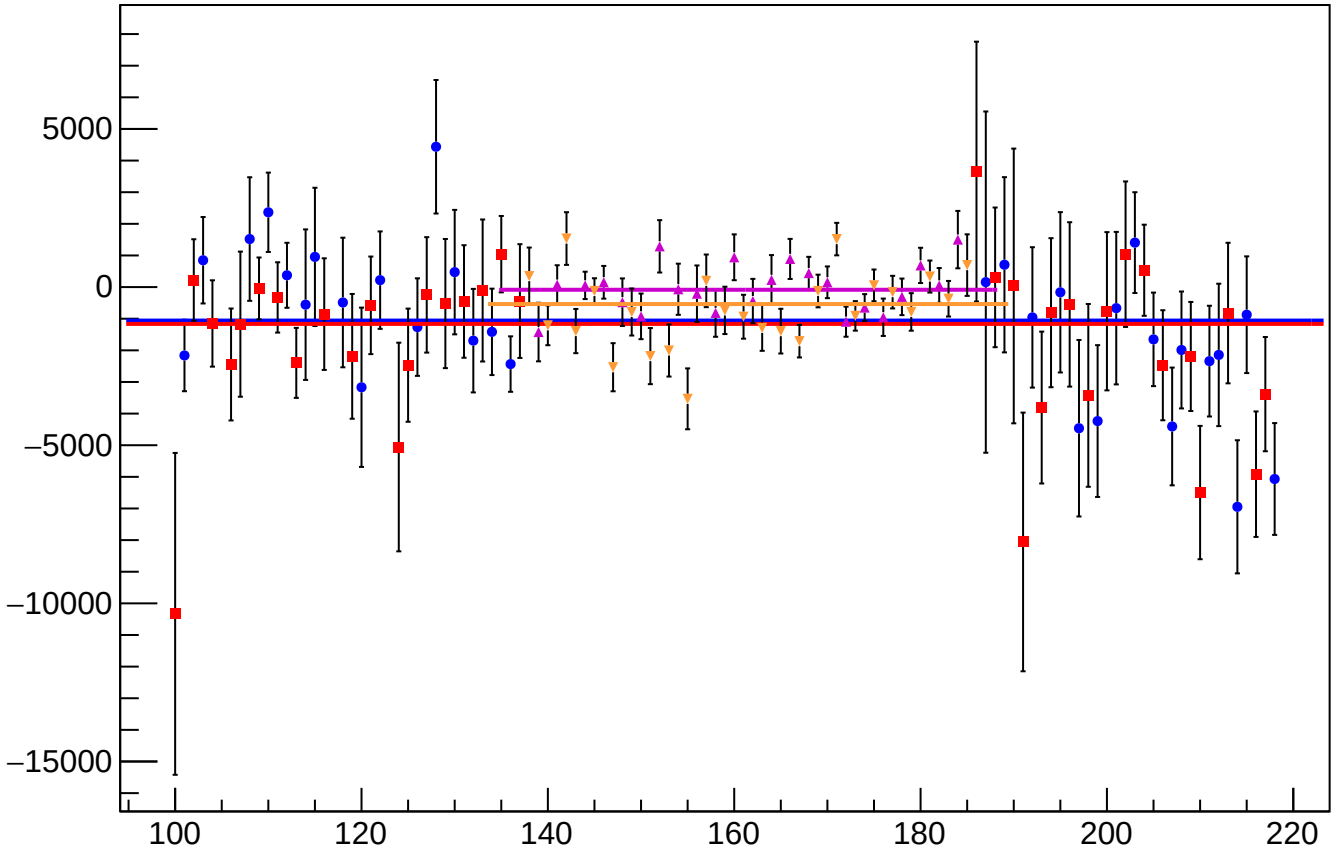
Left In: 75.363+/-0.013 χ^2/NDF:1225318.4/22

\+ sign 86.147+/-0.011 χ^2/NDF: 10769525.1/56

All: 86.527+/-0.008 χ^2/NDF: 22551943.0/115

\- sign 86.928+/-0.011 χ^2/NDF: 11779787.8/58

asym_sam_37_avg_dit_correction_mean vs Slug



Right In: -1058.497+/-297.821 χ^2/NDF: 53.0/31

Left Out: -536.789+/-124.471 χ^2/NDF:67.0/24

Right Out: -1164.170+/-297.580 χ^2/NDF: 38.2/35

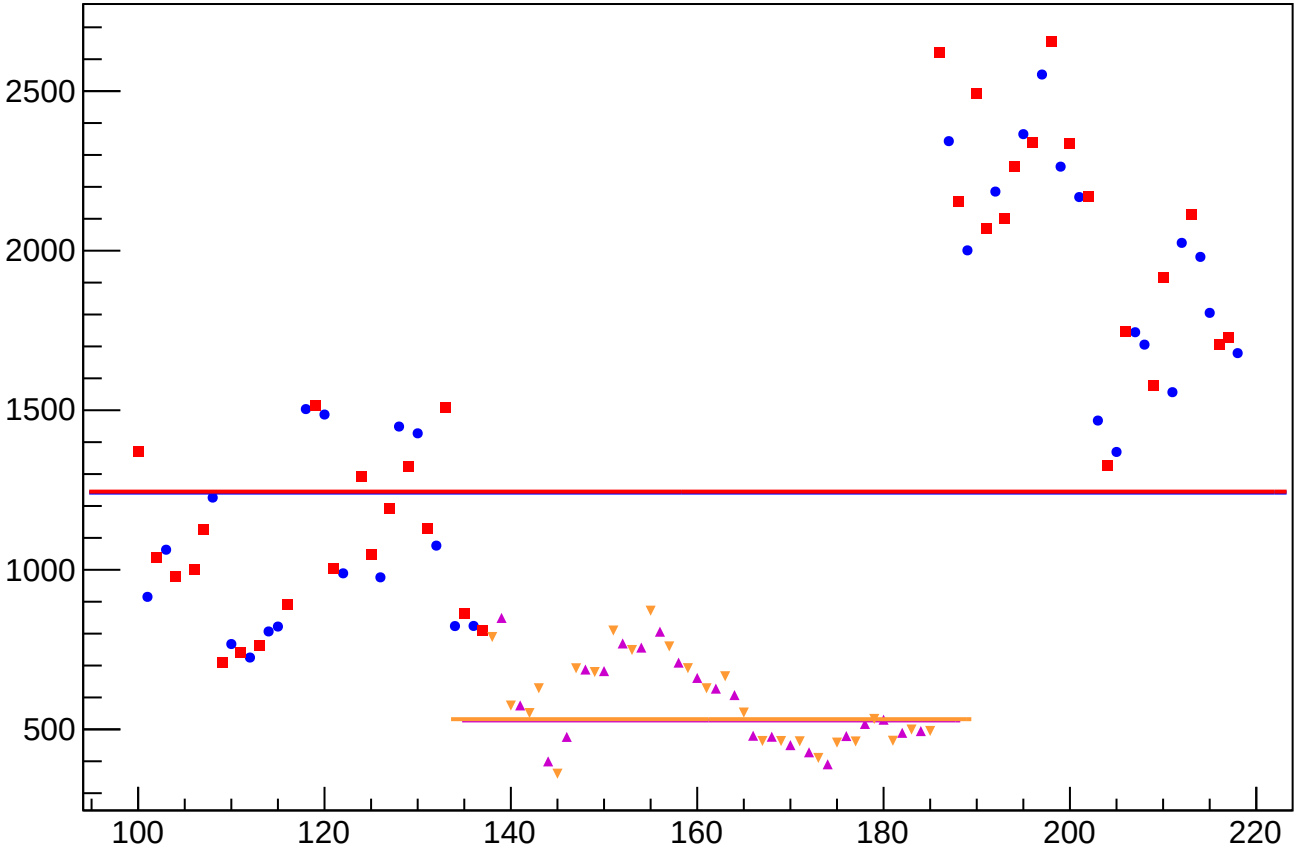
Left In: -84.668+/-127.039 χ^2/NDF:27.5/22

+ sign -614.367+/-114.845 χ^2/NDF: 122.7/56

All: -435.849+/-81.903 χ^2/NDF: 204.4/115

- sign -251.079+/-116.838 χ^2/NDF: 76.8/58

asym_sam_37_avg_dit_correction_rms vs Slug



Right In: 1241.948+/-0.211 χ^2/NDF: 5273084.7/31

Left Out: 531.872+/-0.088 χ^2/NDF:2037750.0/24

Right Out: 1245.022+/-0.210 χ^2/NDF: 6092117.8/35

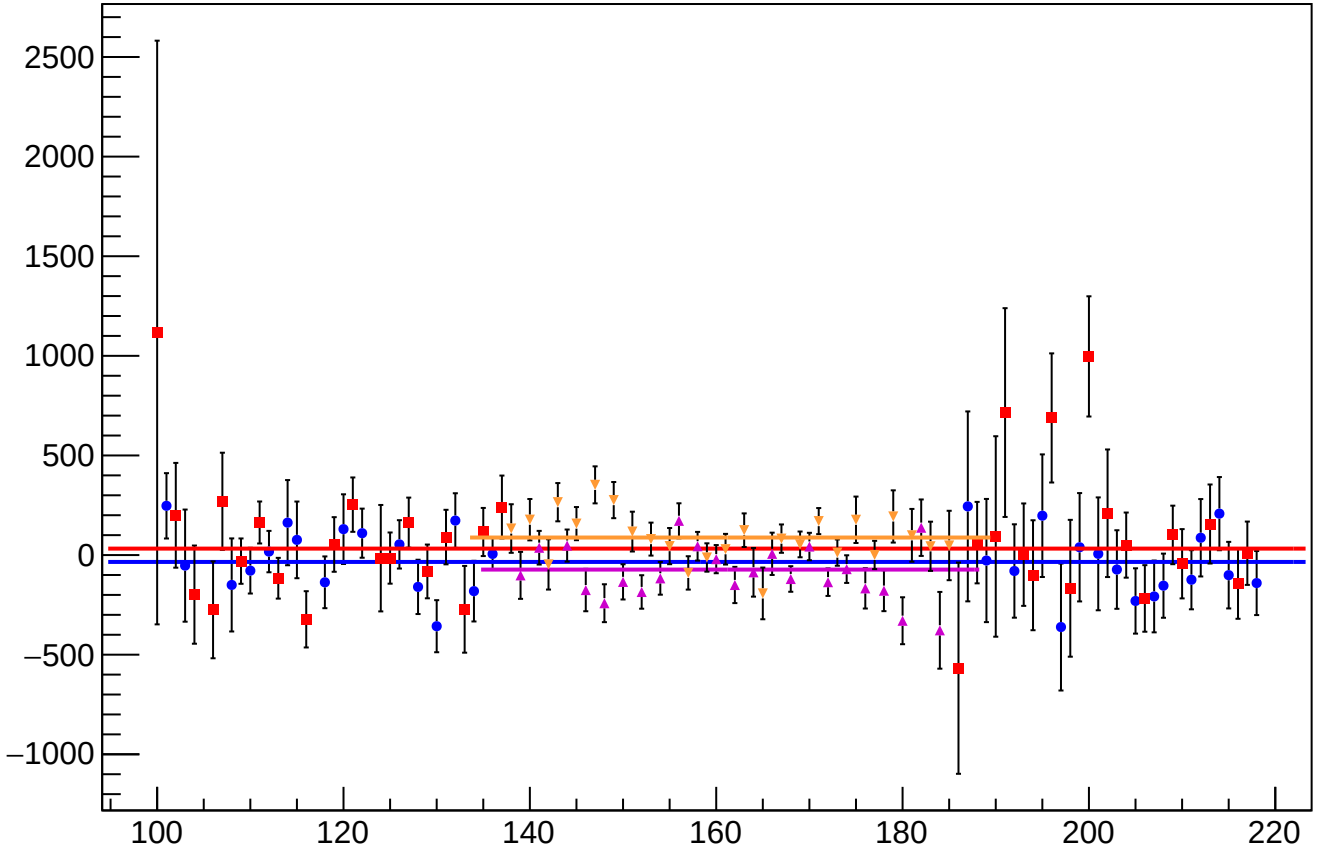
Left In: 527.986+/-0.090 χ^2/NDF:1800455.5/22

+ sign 637.461+/-0.081 χ^2/NDF: 16989448.2/56

All: 637.982+/-0.058 χ^2/NDF: 34703991.0/11

- sign 638.521+/-0.083 χ^2/NDF: 17714459.2/58

eigen_dit_asym_sam_37_avg_mean vs Slug



Right In: -34.473+/-28.114 χ^2/NDF: 26.7/31

Left Out: 88.040+/-17.745 χ^2/NDF:36.9/24

Right Out: 32.436+/-28.713 χ^2/NDF: 45.9/35

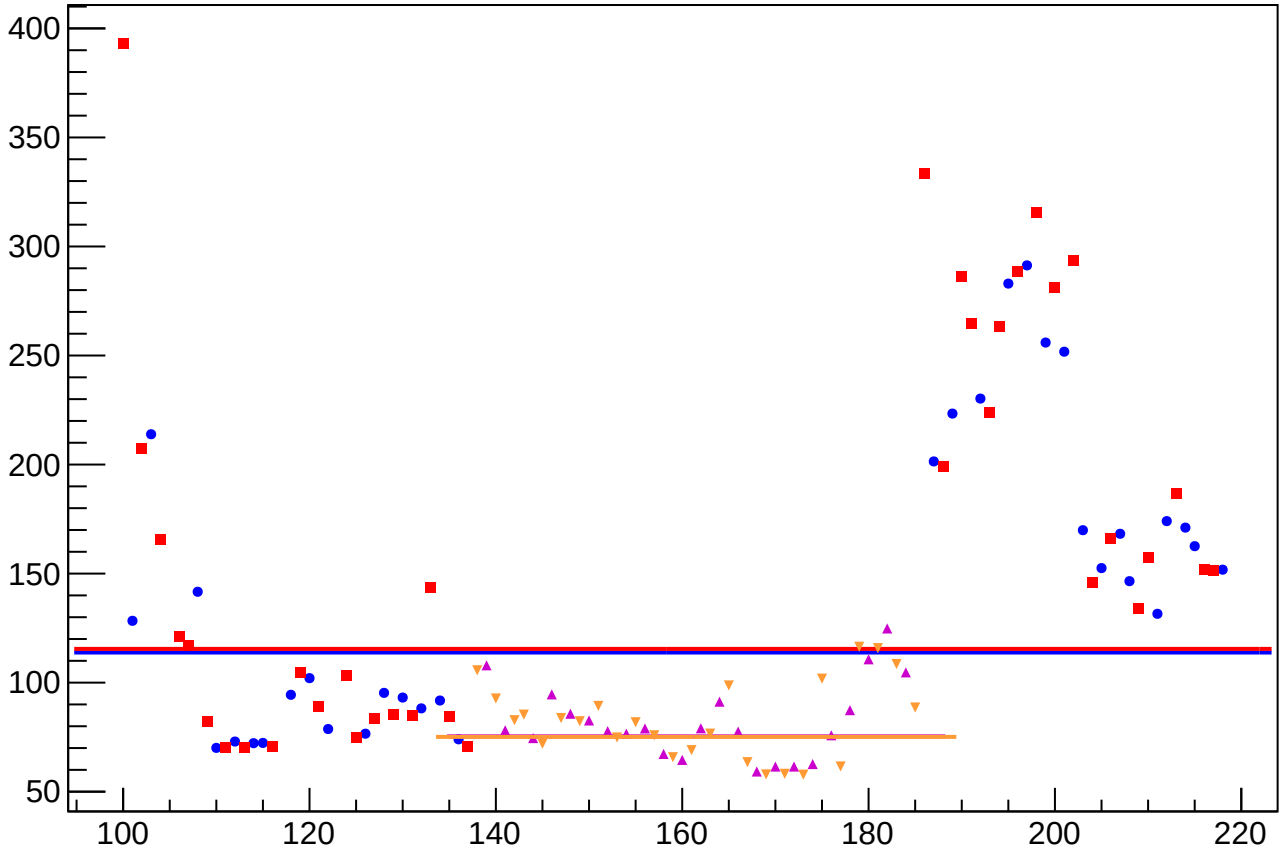
Left In: -72.848+/-18.276 χ^2/NDF:38.4/22

+ sign 53.138+/-15.006 χ^2/NDF: 77.2/56

All: 6.618+/-10.753 χ^2/NDF: 190.9/115

- sign -42.492+/-15.418 χ^2/NDF: 93.9/58

eigen_dit_asym_sam_37_avg_rms vs Slug



Right In: 113.809+/-0.020 χ^2/NDF: 6460580.5/31

Left Out: 75.128+/-0.013 χ^2/NDF:1601462.6/24

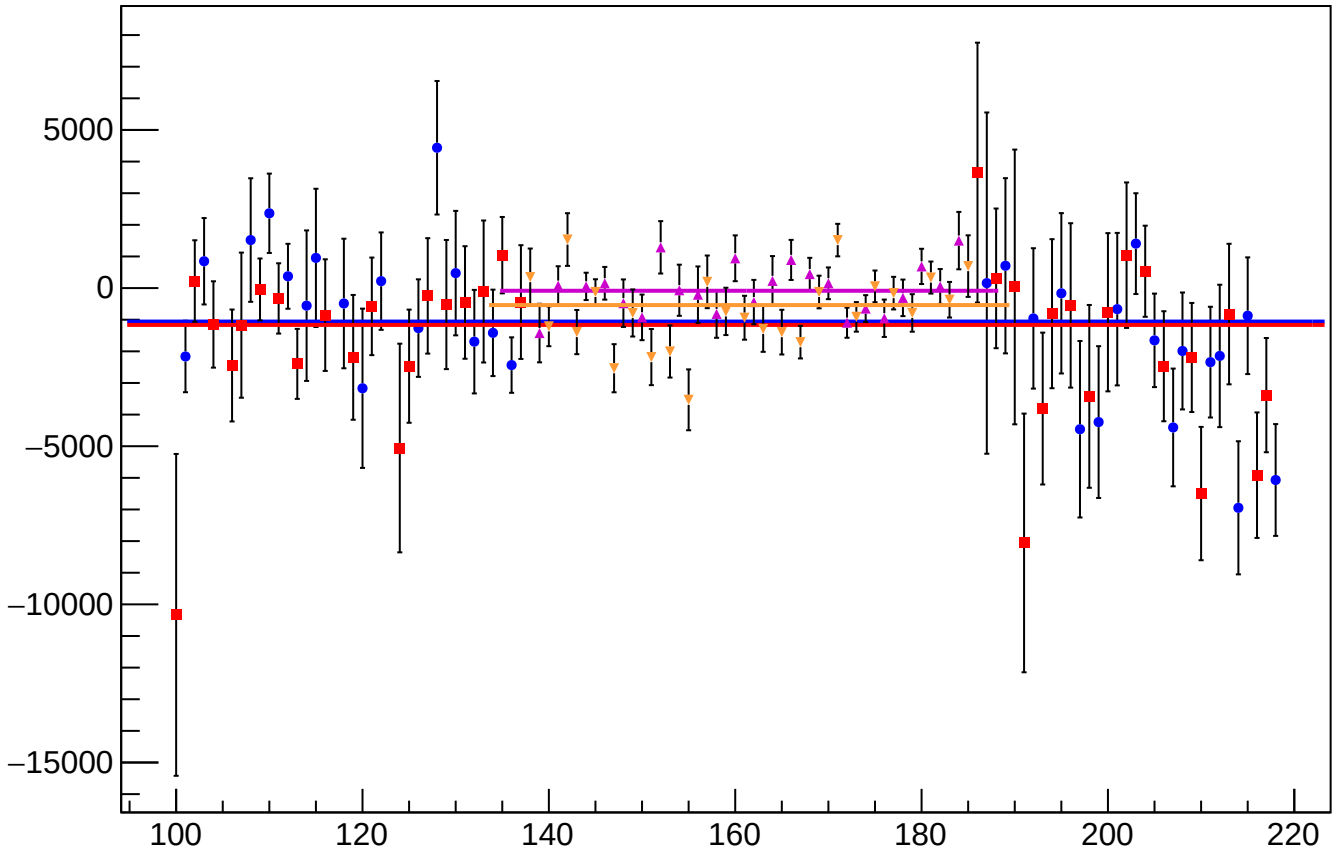
Right Out: 115.473+/-0.020 χ^2/NDF: 7776893.3/35

Left In: 75.363+/-0.013 χ^2/NDF:1225319.2/22

+ sign 86.148+/-0.011 χ^2/NDF: 10769481.7/56

All: 86.527+/-0.008 χ^2/NDF: 22551872.0/115

- sign 86.928+/-0.011 χ^2/NDF: 11779760.2/58



Right In: -1058.493+/-297.820 χ^2/NDF: 53.0/31

Left Out: -536.790+/-124.471 χ^2/NDF:67.0/24

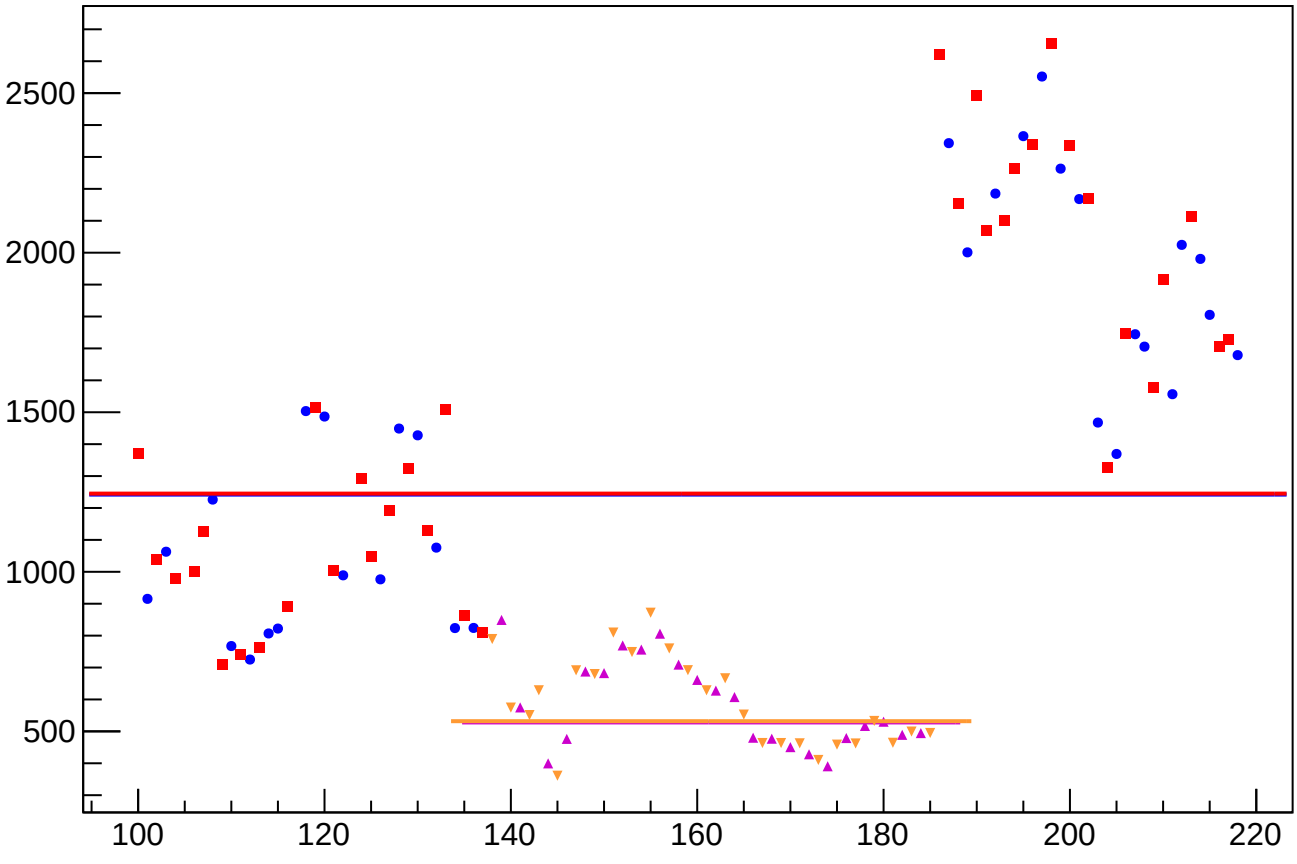
Right Out: -1164.168+/-297.580 χ^2/NDF: 38.2/35

Left In: -84.668+/-127.039 χ^2/NDF:27.5/22

+ sign -614.367+/-114.845 χ^2/NDF: 122.7/56

All: -435.848+/-81.903 χ^2/NDF: 204.4/115

- sign -251.079+/-116.838 χ^2/NDF: 76.8/58



Right In: 1241.947+/-0.211 χ^2/NDF: 5273100.9/31

Left Out: 531.872+/-0.088 χ^2/NDF:2037744.9/24

Right Out: 1245.020+/-0.210 χ^2/NDF: 6092131.4/35

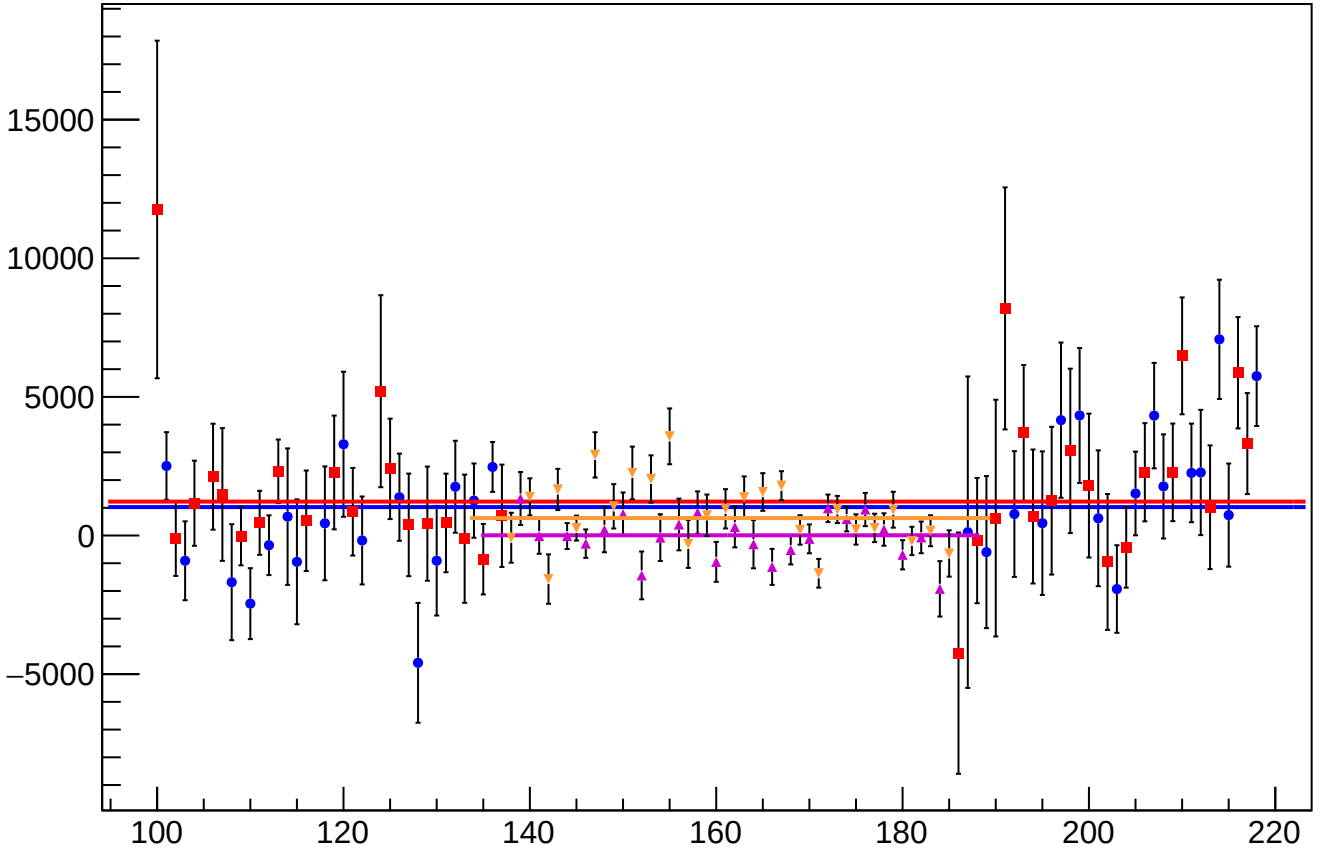
Left In: 527.986+/-0.090 χ^2/NDF:1800449.7/22

+ sign 637.460+/-0.081 χ^2/NDF: 16989438.6/56

All: 637.981+/-0.058 χ^2/NDF: 34703964.5/11

- sign 638.520+/-0.083 χ^2/NDF: 17714442.2/58

asym_sam_37_avg_mean vs Slug



Right In: 1025.154+/-305.159 χ^2/NDF: 52.8/31

Left Out: 629.379+/-128.853 χ^2/NDF:64.9/24

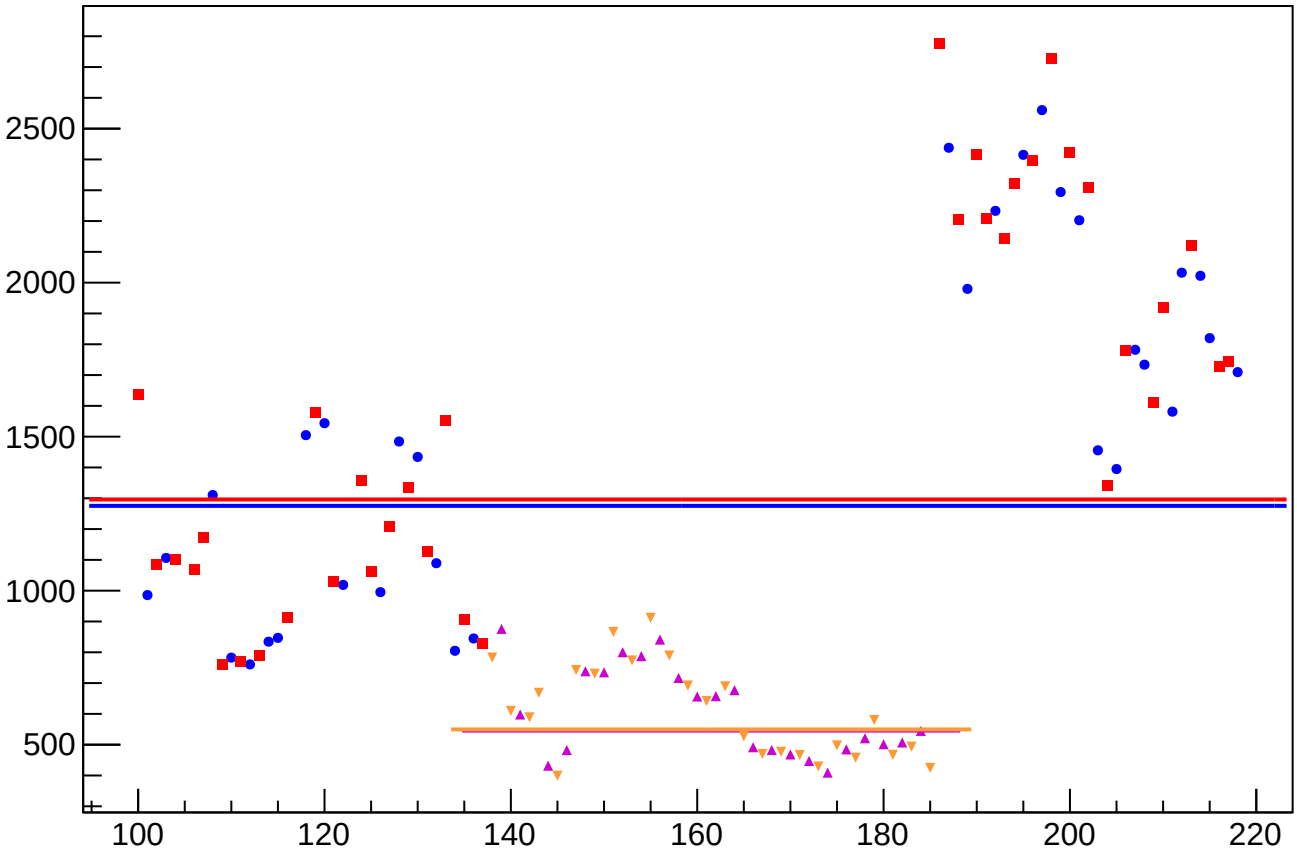
Right Out: 1223.612+/-308.640 χ^2/NDF: 34.5/35

Left In: 8.460+/-131.289 χ^2/NDF:27.3/22

+ sign 689.266+/-118.705 χ^2/NDF: 119.1/56

All: 446.311+/-84.673 χ^2/NDF: 202.6/115

- sign 194.650+/-120.813 χ^2/NDF: 75.0/58



Right In: 1275.362+/-0.216 χ^2/NDF: 5087417.1/31

Left Out: 549.475+/-0.091 χ^2/NDF:2053905.8/24

Right Out: 1296.098+/-0.218 χ^2/NDF: 5803246.4/35

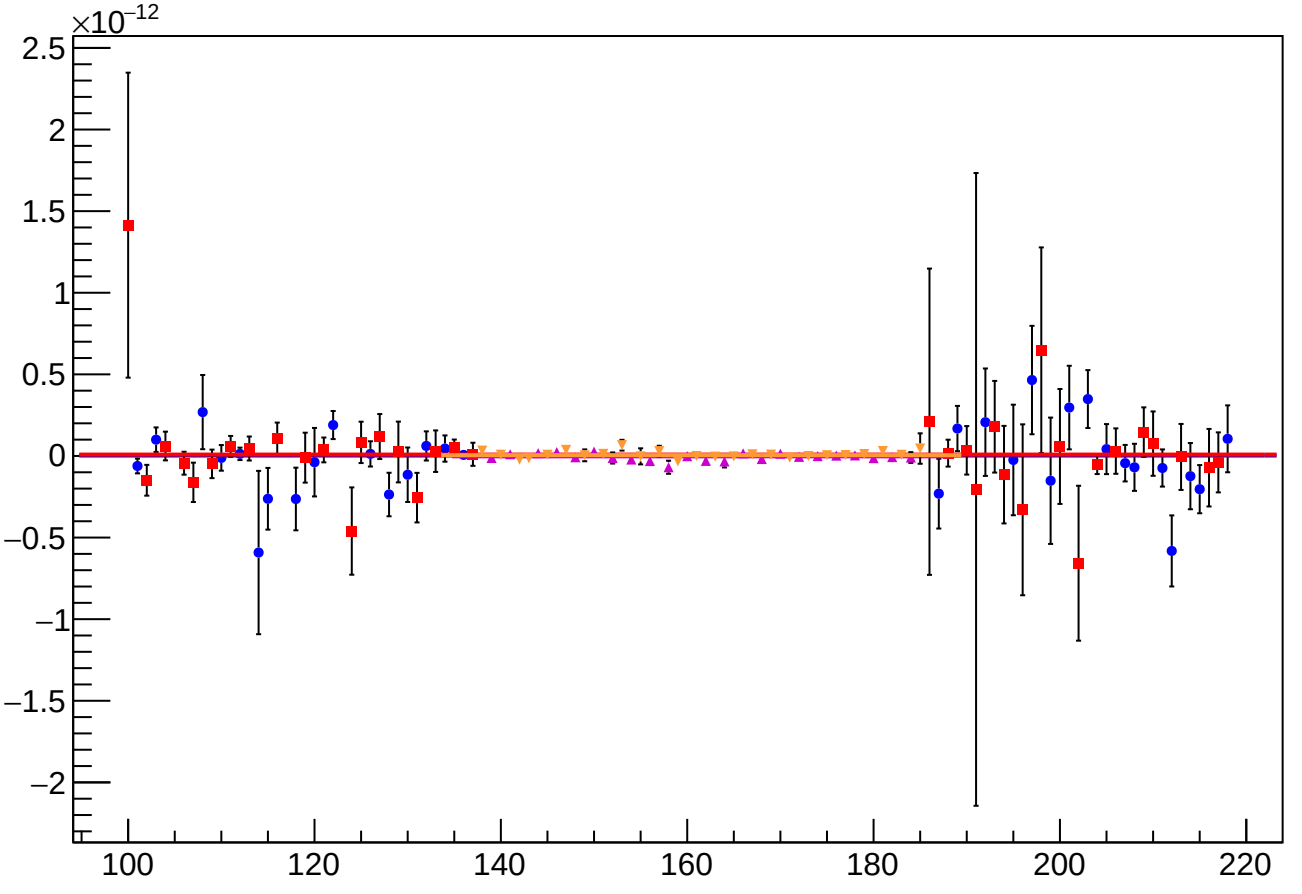
Left In: 545.708+/-0.093 χ^2/NDF:1814508.3/22

+ sign 659.313+/-0.084 χ^2/NDF: 16745545.0/56

All: 659.987+/-0.060 χ^2/NDF: 34374244.9/11

- sign 660.685+/-0.085 χ^2/NDF: 17628568.7/58

asym_sam_37_avg_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 40.6/31

Left Out: 0.000+/-0.000 χ^2/NDF:15.6/24

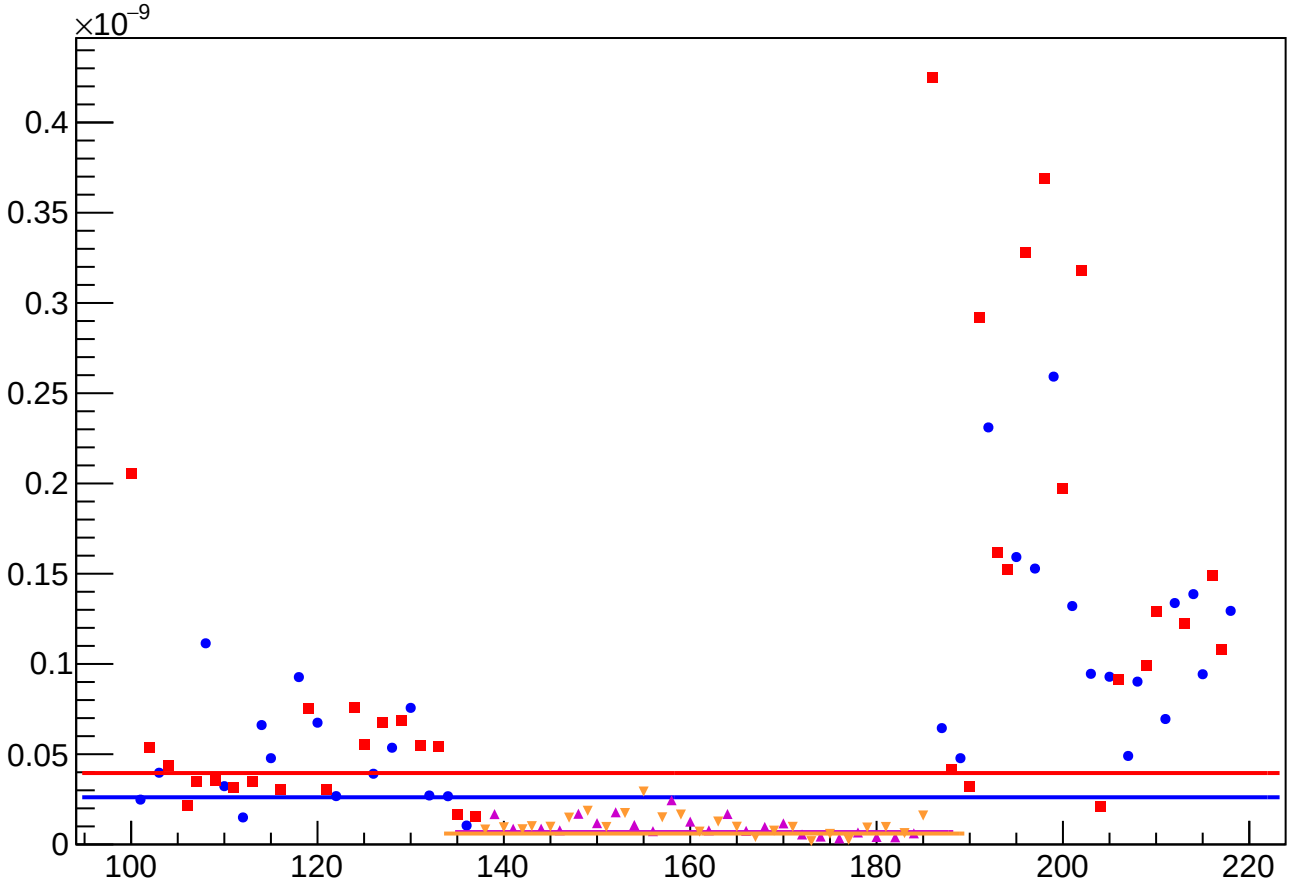
Right Out: 0.000+/-0.000 χ^2/NDF: 24.7/35

Left In: -0.000+/-0.000 χ^2/NDF:20.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 56.3/56

All: 0.000+/-0.000 χ^2/NDF: 103.7/115

- sign -0.000+/-0.000 χ^2/NDF: 45.1/58



Right In: 0.000+/-0.000 χ^2/NDF: 8475642.2/31

Left Out: 0.000+/-0.000 χ^2/NDF:3623754.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6916674.2/35

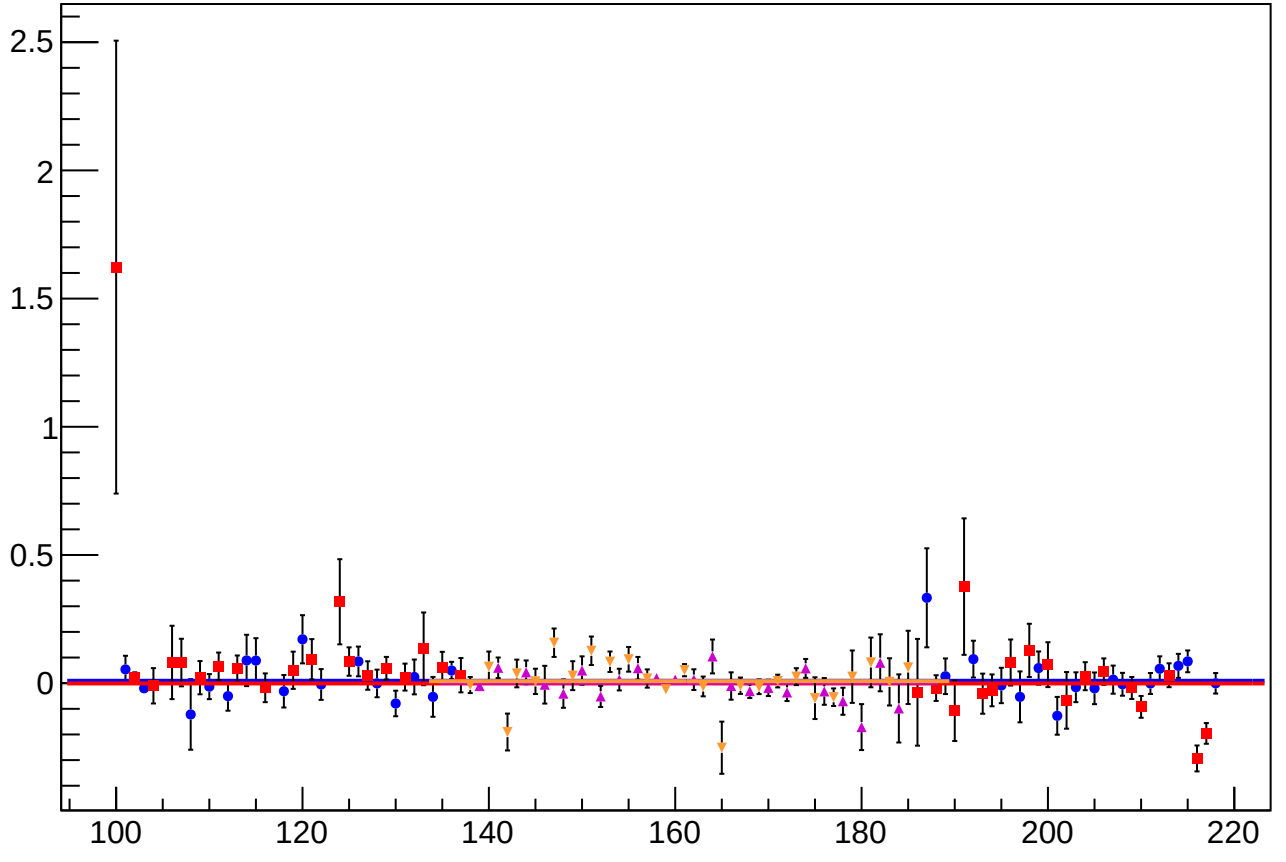
Left In: 0.000+/-0.000 χ^2/NDF:2417942.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 16189767.9/56

All: 0.000+/-0.000 χ^2/NDF: 31893975.2/115

- sign 0.000+/-0.000 χ^2/NDF: 15612534.1/58

asym_sam_37_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.009+/-0.009 χ^2/NDF: 32.1/31

Left Out: 0.008+/-0.008 χ^2/NDF:47.6/24

Right Out: -0.001+/-0.010 χ^2/NDF: 90.9/35

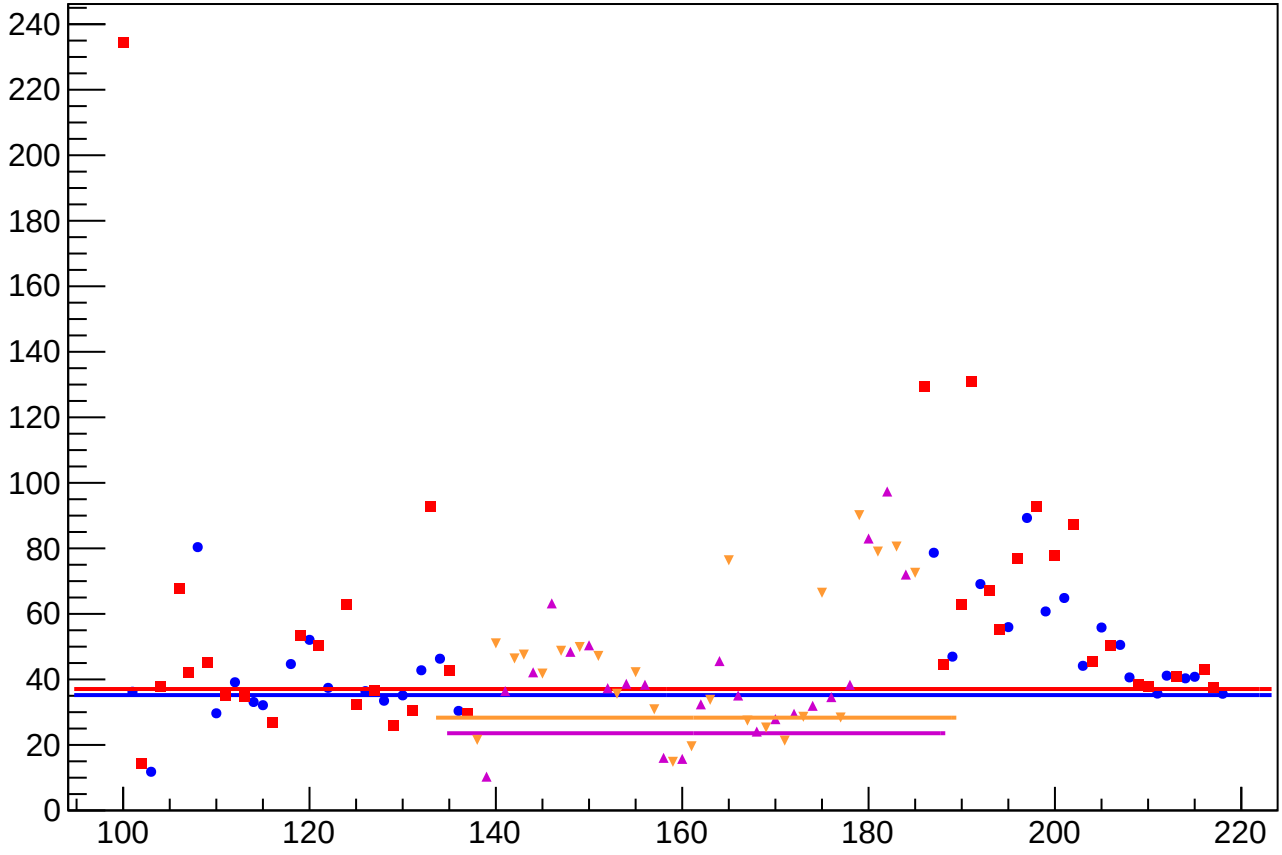
Left In: 0.001+/-0.007 χ^2/NDF:25.1/22

+ sign 0.008+/-0.006 χ^2/NDF: 79.7/56

All: 0.004+/-0.004 χ^2/NDF: 196.8/115

- sign 0.001+/-0.006 χ^2/NDF: 116.1/58

asym_sam_37_avg_dit_vs_cor_diff_rms vs Slug



Right In: 35.216+/-0.006 χ^2/NDF: 5873835.3/31

Left Out: 28.325+/-0.005 χ^2/NDF:6788307.1/24

Right Out: 37.070+/-0.007 χ^2/NDF: 6561311.5/35

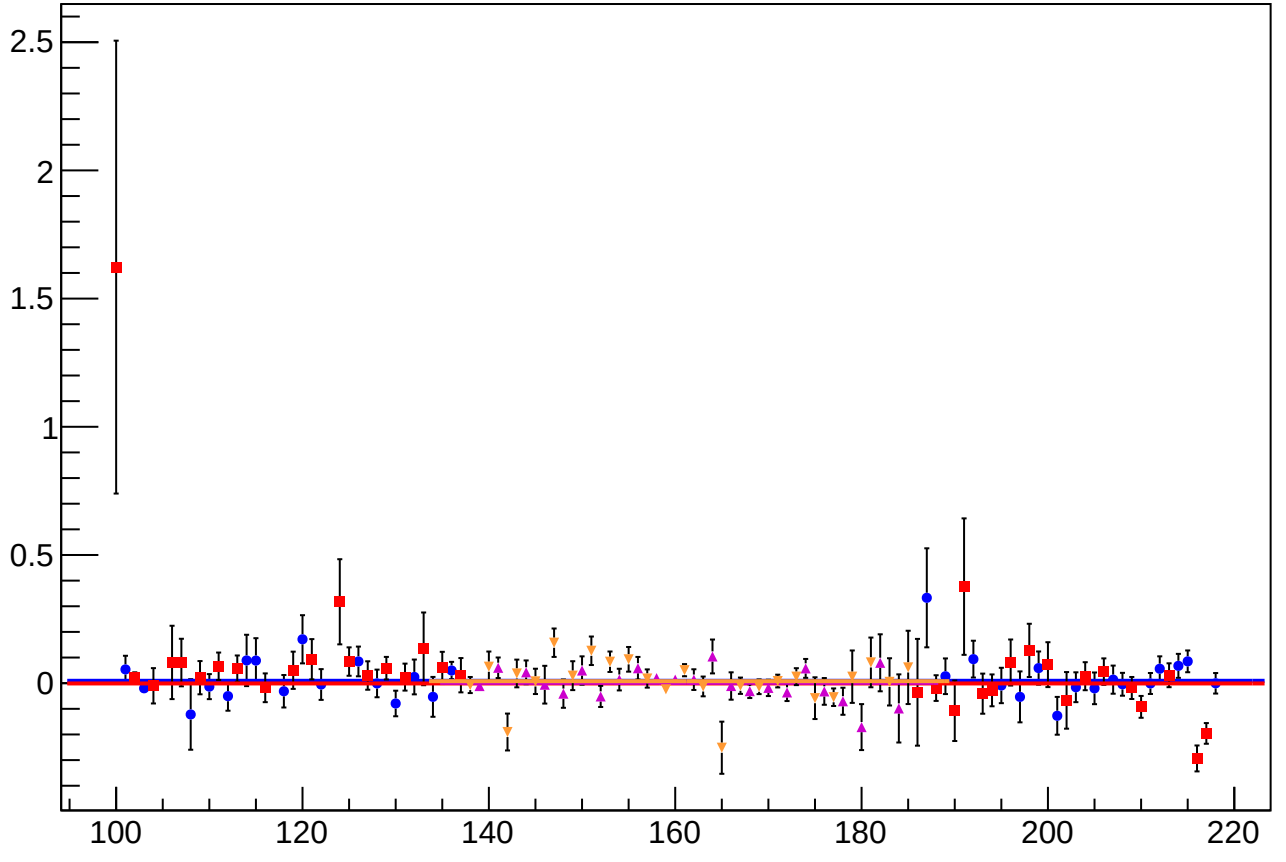
Left In: 23.572+/-0.005 χ^2/NDF:8263833.7/22

+ sign 31.152+/-0.004 χ^2/NDF: 13340949.5/56

All: 29.553+/-0.003 χ^2/NDF: 31092133.7/115

- sign 28.099+/-0.004 χ^2/NDF: 17462753.9/58

asym_sam_37_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.009+/-0.009 χ^2/NDF: 32.1/31

Left Out: 0.008+/-0.008 χ^2/NDF:47.6/24

Right Out: -0.001+/-0.010 χ^2/NDF: 90.9/35

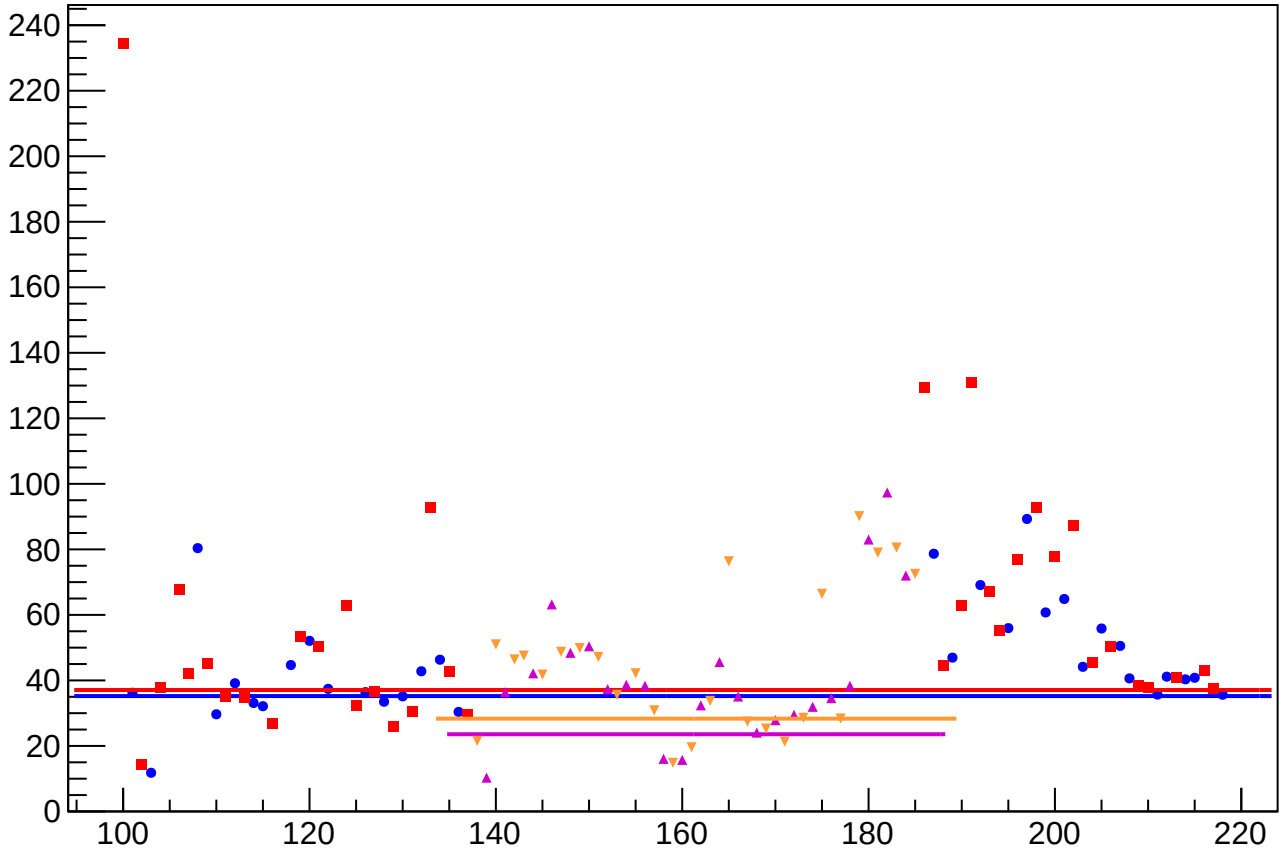
Left In: 0.001+/-0.007 χ^2/NDF:25.1/22

+ sign 0.008+/-0.006 χ^2/NDF: 79.7/56

All: 0.004+/-0.004 χ^2/NDF: 196.8/115

- sign 0.001+/-0.006 χ^2/NDF: 116.1/58

asym_sam_37_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 35.216+/-0.006 χ^2/NDF: 5873835.3/31

Left Out: 28.325+/-0.005 χ^2/NDF:6788307.1/24

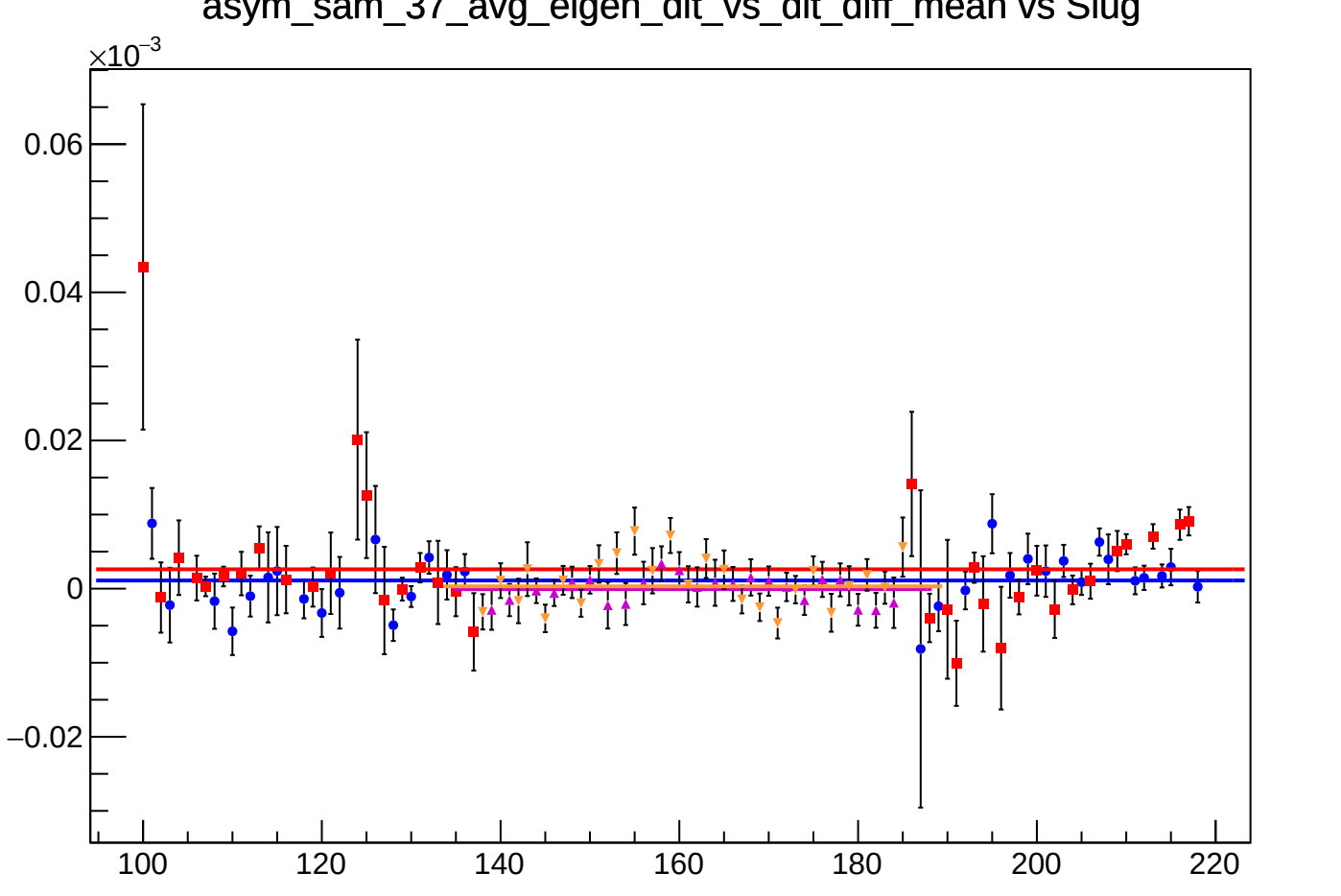
Right Out: 37.070+/-0.007 χ^2/NDF: 6561311.5/35

Left In: 23.572+/-0.005 χ^2/NDF:8263833.7/22

+ sign 31.152+/-0.004 χ^2/NDF: 13340949.5/56

All: 29.553+/-0.003 χ^2/NDF: 31092133.7/115

- sign 28.099+/-0.004 χ^2/NDF: 17462753.9/58



Right In: 0.000+/-0.000 χ^2/NDF: 42.2/31

Left Out: 0.000+/-0.000 χ^2/NDF:45.7/24

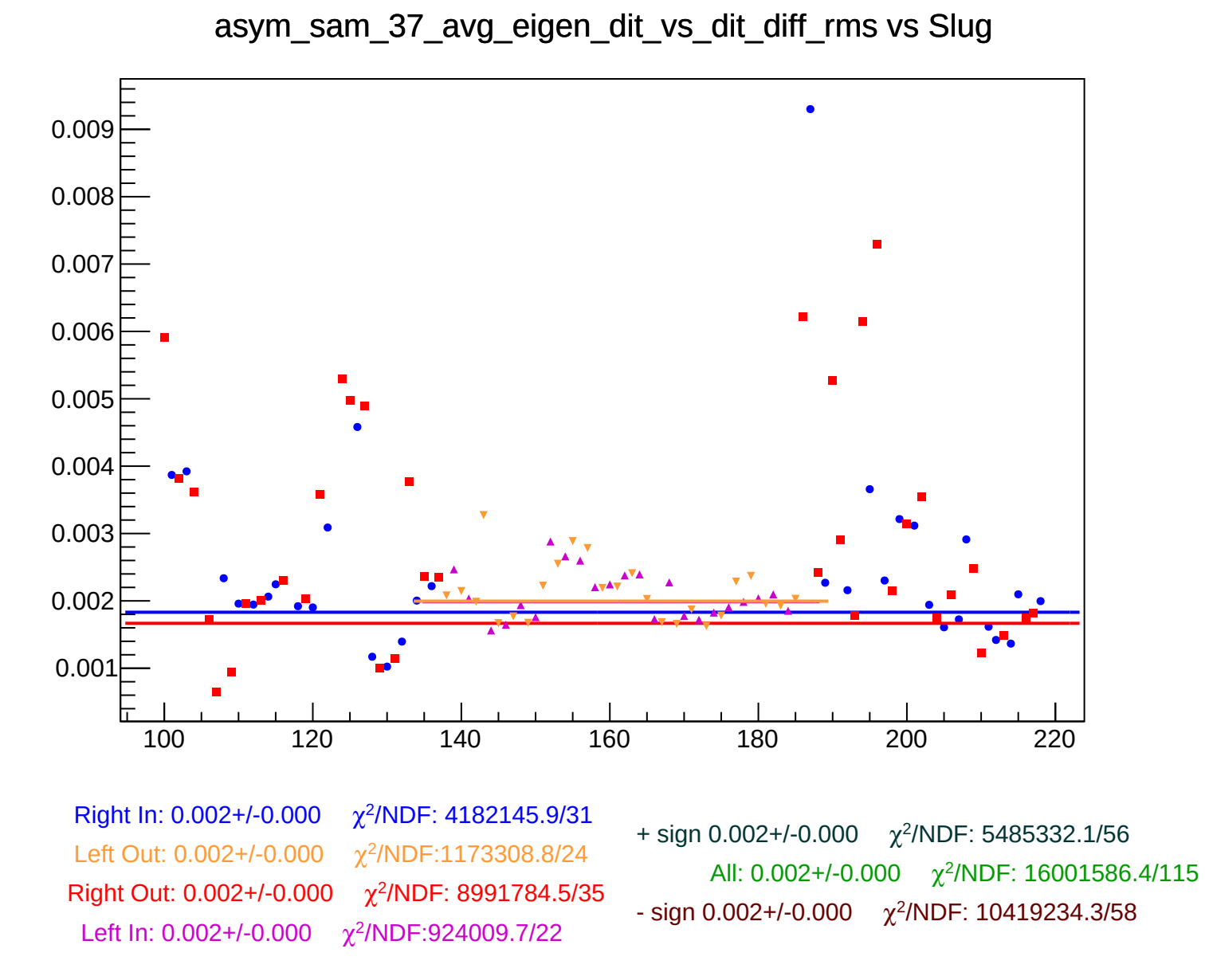
Right Out: 0.000+/-0.000 χ^2/NDF: 74.2/35

Left In: -0.000+/-0.000 χ^2/NDF:12.1/22

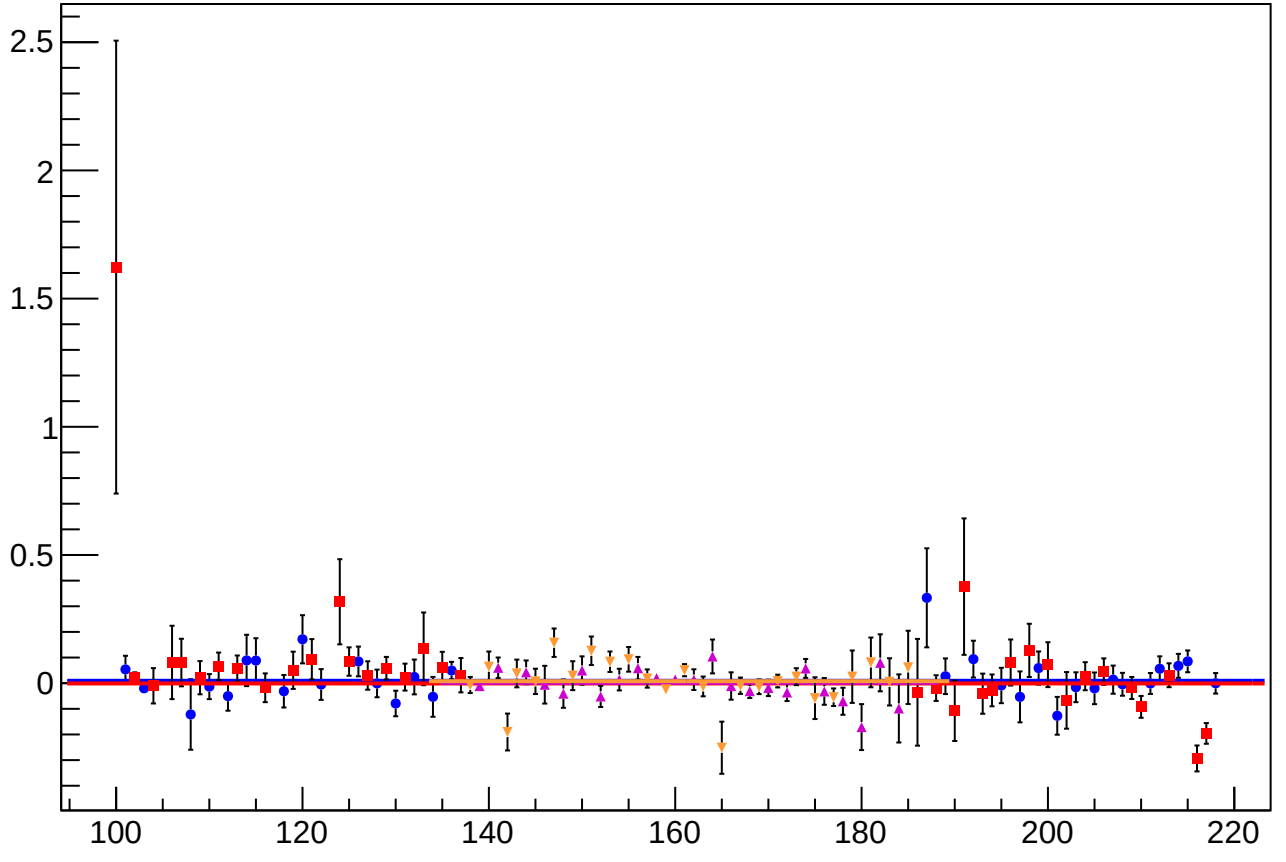
+ sign 0.000+/-0.000 χ^2/NDF: 89.4/56

All: 0.000+/-0.000 χ^2/NDF: 195.6/115

- sign 0.000+/-0.000 χ^2/NDF: 104.0/58


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
200
220
Right In: 0.002+/-0.000 χ²/NDF: 4182145.9/31
Left Out: 0.002+/-0.000 χ²/NDF:1173308.8/24
Right Out: 0.002+/-0.000 χ²/NDF: 8991784.5/35
Left In: 0.002+/-0.000 χ²/NDF:924009.7/22
+ sign 0.002+/-0.000 χ²/NDF: 5485332.1/56
All: 0.002+/-0.000 χ²/NDF: 16001586.4/115
- sign 0.002+/-0.000 χ²/NDF: 10419234.3/58

asym_sam_37_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.009+/-0.009 χ^2/NDF: 32.1/31

Left Out: 0.008+/-0.008 χ^2/NDF:47.6/24

Right Out: -0.001+/-0.010 χ^2/NDF: 90.9/35

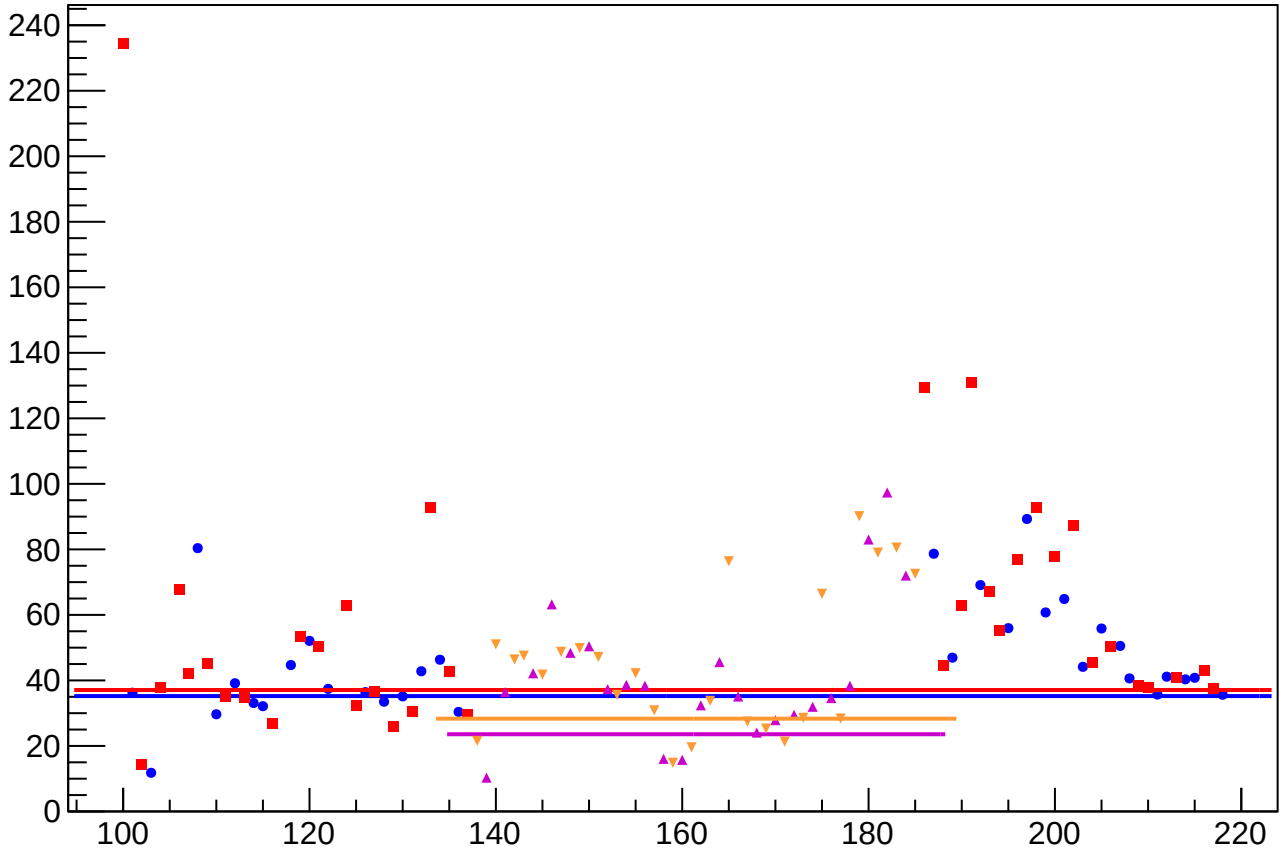
Left In: 0.001+/-0.007 χ^2/NDF:25.1/22

+ sign 0.008+/-0.006 χ^2/NDF: 79.7/56

All: 0.004+/-0.004 χ^2/NDF: 196.8/115

- sign 0.001+/-0.006 χ^2/NDF: 116.1/58

asym_sam_37_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 35.216+/-0.006 χ^2/NDF: 5874278.2/31

Left Out: 28.324+/-0.005 χ^2/NDF:6788766.1/24

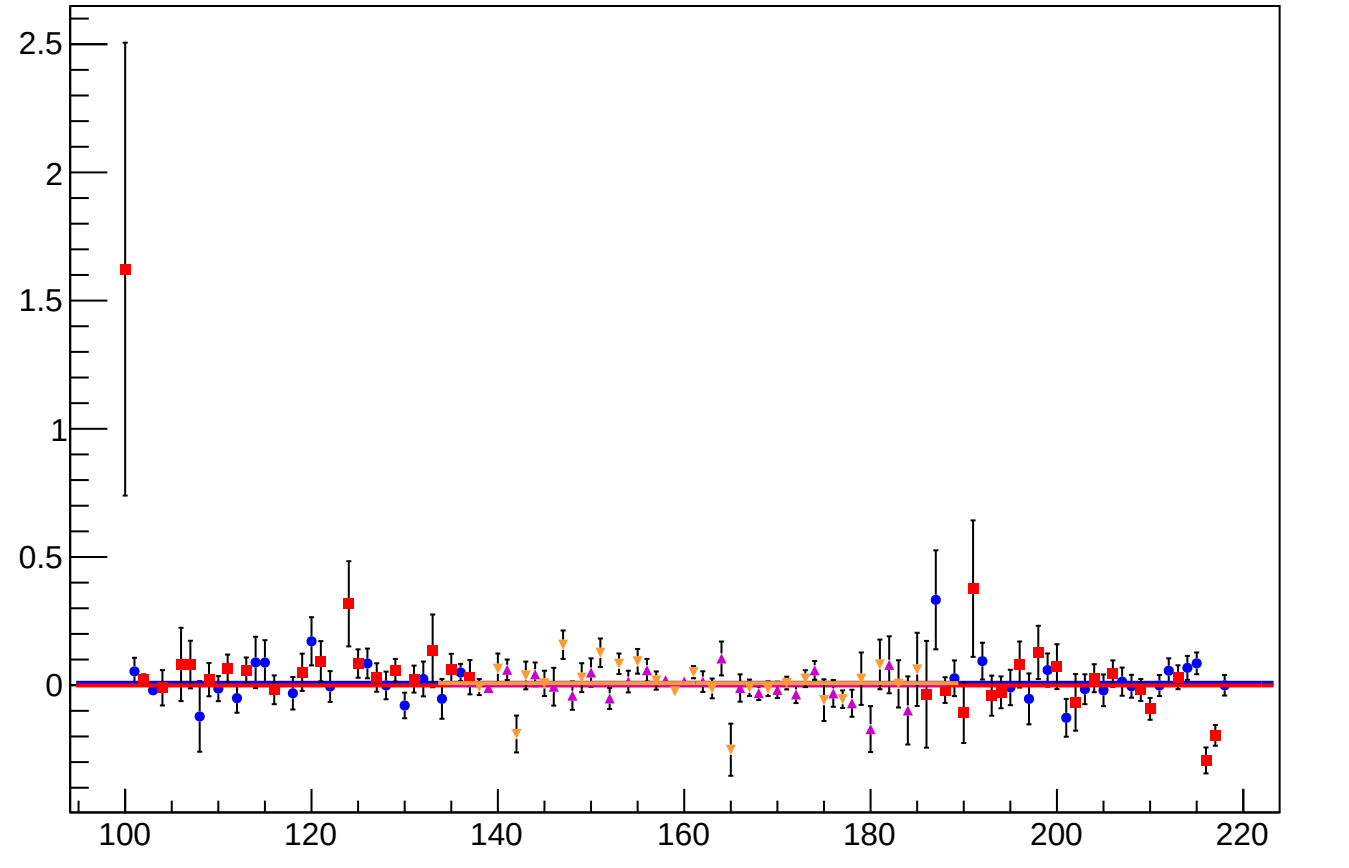
Right Out: 37.072+/-0.007 χ^2/NDF: 6560086.4/35

Left In: 23.571+/-0.005 χ^2/NDF:8264891.4/22

+ sign 31.152+/-0.004 χ^2/NDF: 13341819.1/56

All: 29.553+/-0.003 χ^2/NDF: 31094023.2/115

- sign 28.098+/-0.004 χ^2/NDF: 17463772.2/58



Right In: 0.009+/-0.009 χ^2/NDF: 32.1/31

Left Out: 0.008+/-0.008 χ^2/NDF:47.6/24

Right Out: -0.001+/-0.010 χ^2/NDF: 90.9/35

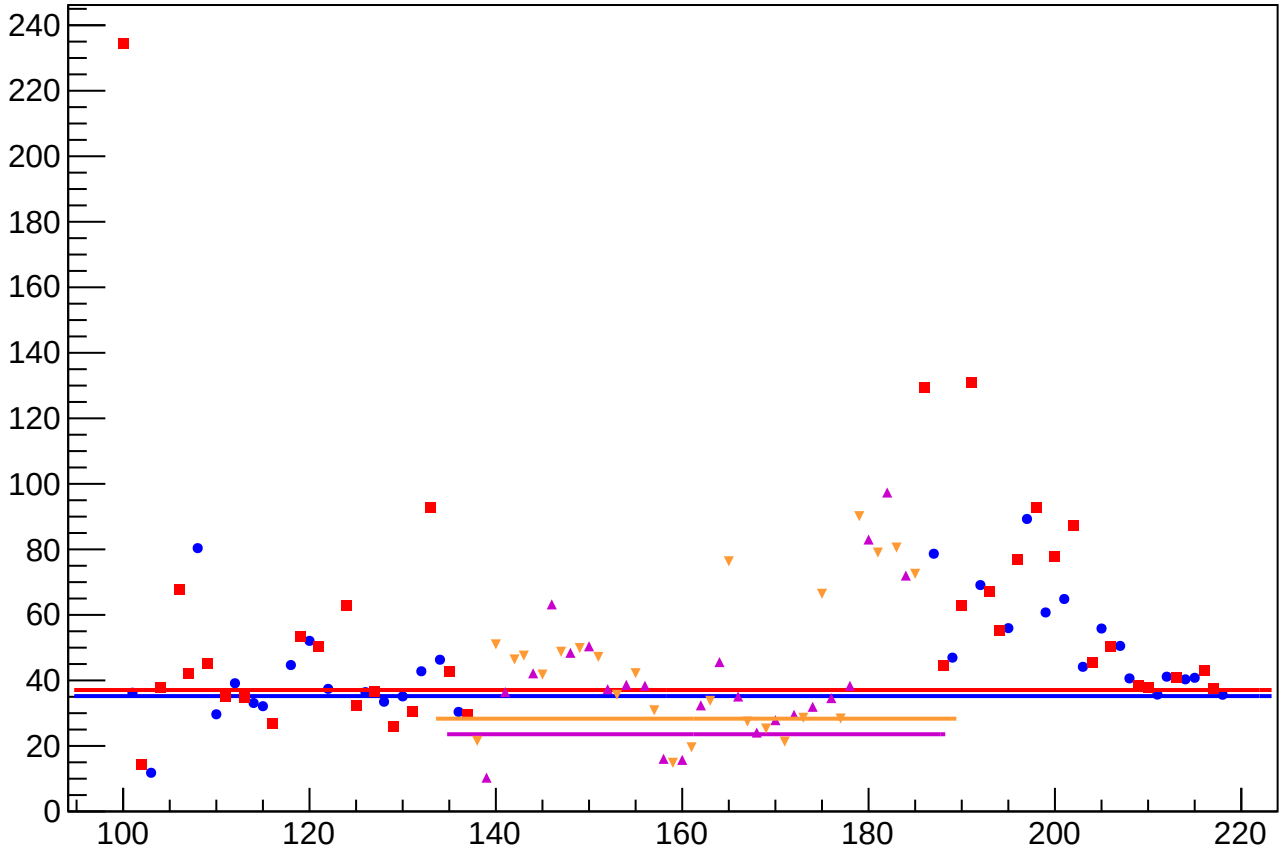
Left In: 0.001+/-0.007 χ^2/NDF:25.1/22

+ sign 0.008+/-0.006 χ^2/NDF: 79.7/56

All: 0.004+/-0.004 χ^2/NDF: 196.8/115

- sign 0.001+/-0.006 χ^2/NDF: 116.1/58

asym_sam_37_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 35.216+/-0.006 χ^2/NDF: 5874278.2/31

Left Out: 28.324+/-0.005 χ^2/NDF:6788766.1/24

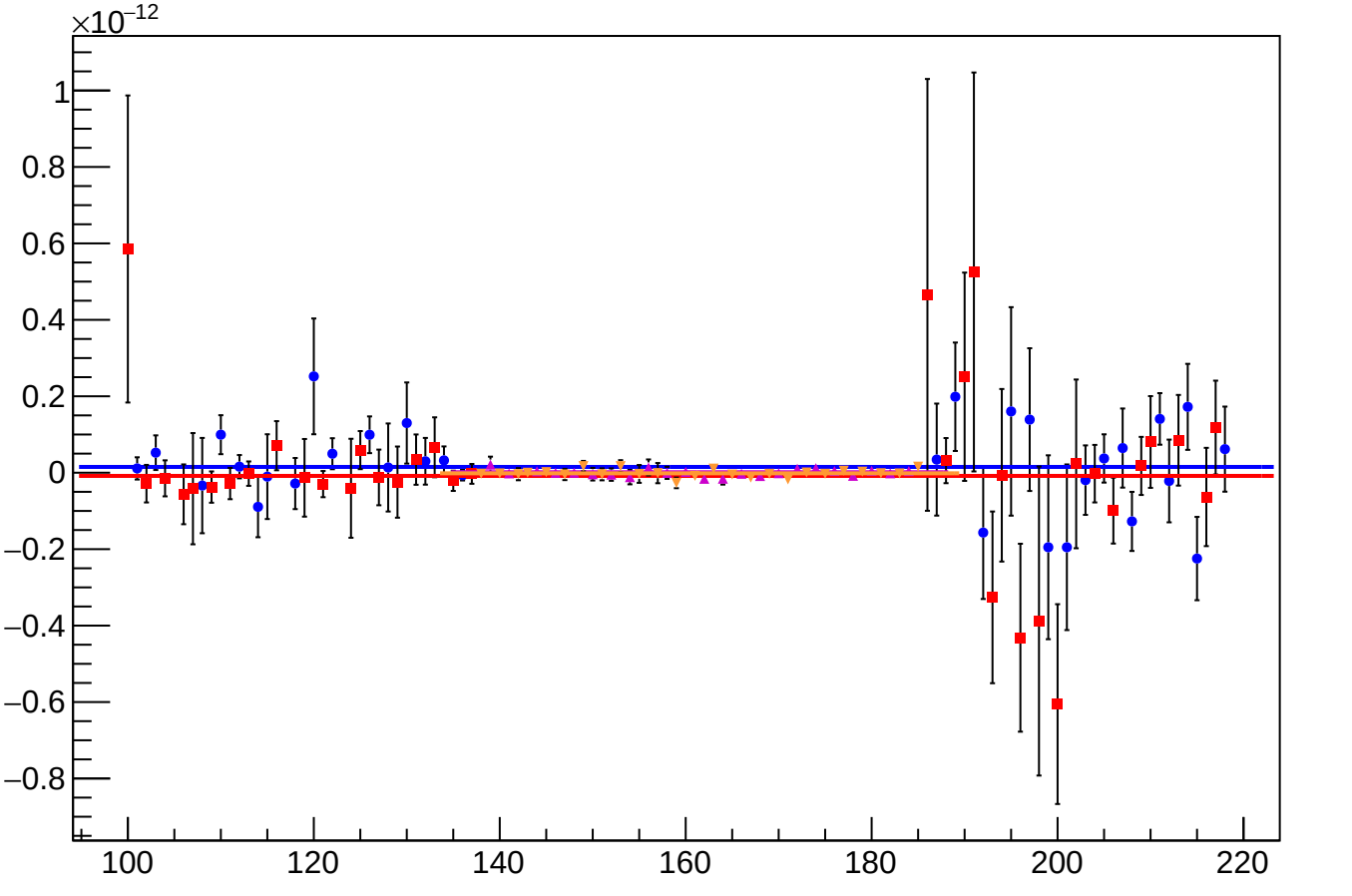
Right Out: 37.072+/-0.007 χ^2/NDF: 6560086.4/35

Left In: 23.571+/-0.005 χ^2/NDF:8264891.4/22

+ sign 31.152+/-0.004 χ^2/NDF: 13341819.1/56

All: 29.553+/-0.003 χ^2/NDF: 31094023.2/115

- sign 28.098+/-0.004 χ^2/NDF: 17463772.2/58



Right In: 0.000+/-0.000 χ^2/NDF: 35.5/31

Left Out: -0.000+/-0.000 χ^2/NDF:17.6/24

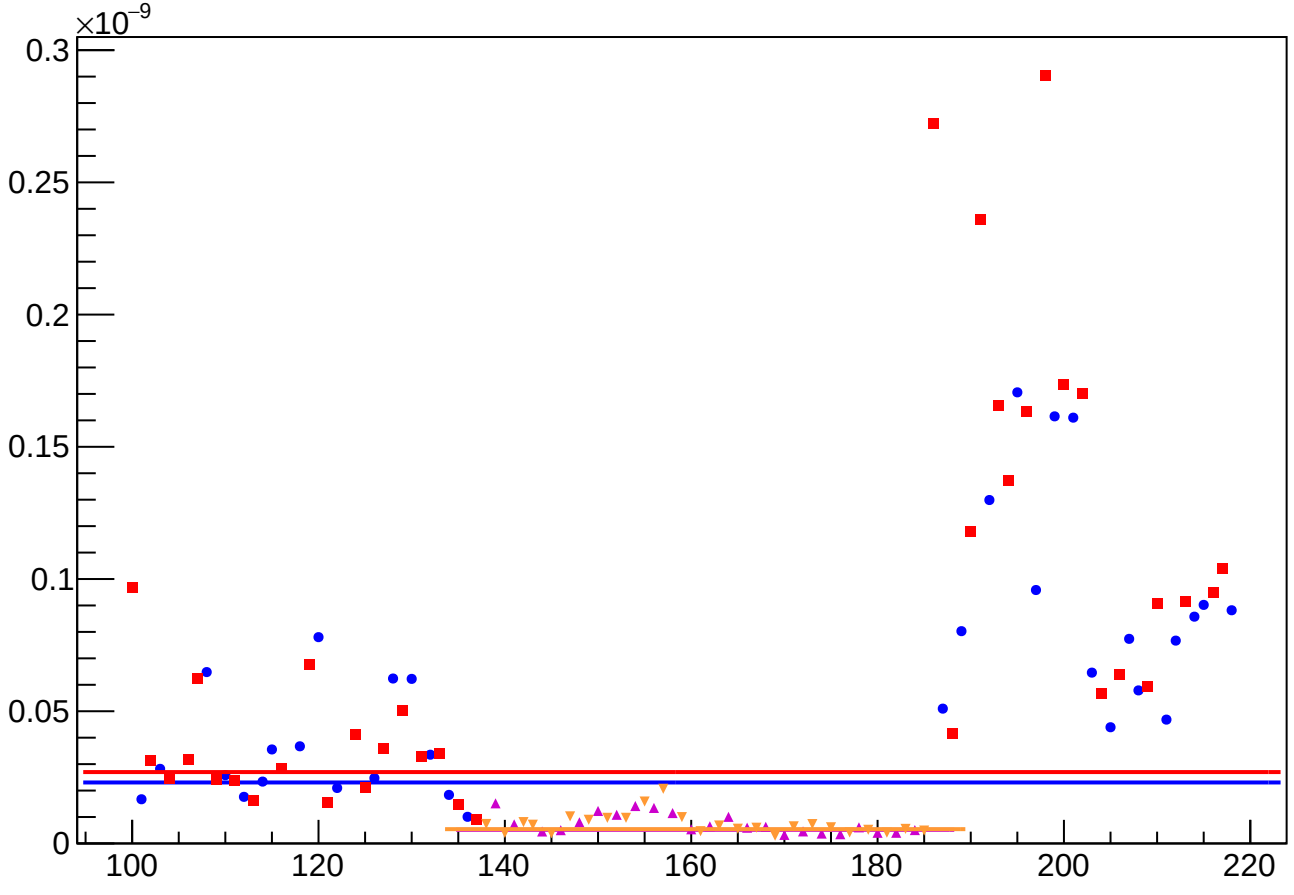
Right Out: -0.000+/-0.000 χ^2/NDF: 26.9/35

Left In: 0.000+/-0.000 χ^2/NDF:15.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 56.4/56

All: 0.000+/-0.000 χ^2/NDF: 100.7/115

- sign 0.000+/-0.000 χ^2/NDF: 43.7/58



Right In: 0.000+/-0.000 χ^2/NDF: 11085402.9/31

Left Out: 0.000+/-0.000 χ^2/NDF:3068356.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 11391991.7/35

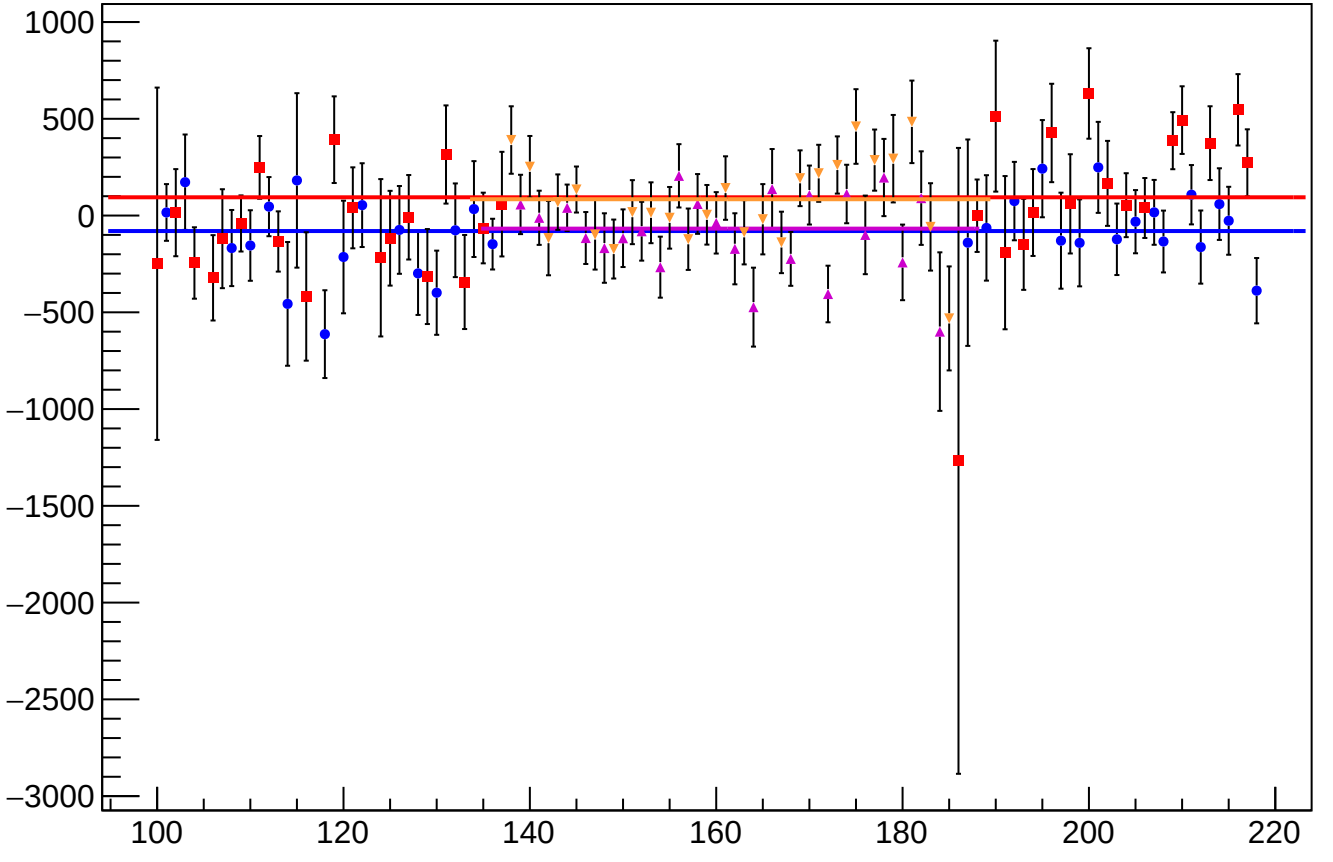
Left In: 0.000+/-0.000 χ^2/NDF:3390855.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 21699732.6/56

All: 0.000+/-0.000 χ^2/NDF: 45481275.8/115

- sign 0.000+/-0.000 χ^2/NDF: 23753464.8/58

reg_asym_sam_48_avg_mean vs Slug



Right In: -80.085+/-35.286 χ^2/NDF: 24.6/31

Left Out: 84.324+/-33.036 χ^2/NDF:33.8/24

Right Out: 94.356+/-35.390 χ^2/NDF: 54.7/35

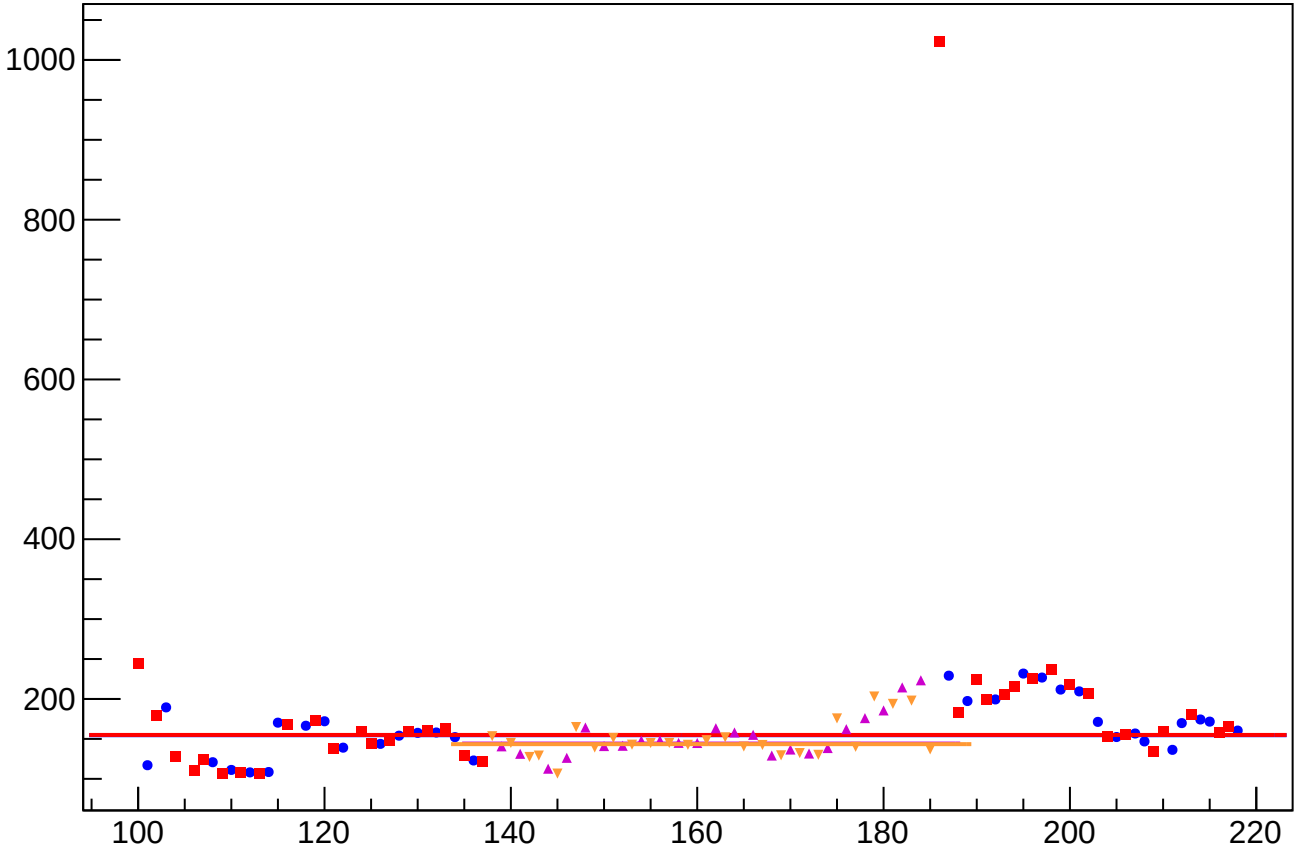
Left In: -67.646+/-34.137 χ^2/NDF:26.5/22

+ sign 7.528+/-24.116 χ^2/NDF: 70.0/56

All: 8.955+/-17.211 χ^2/NDF: 162.1/115

- sign 10.436+/-24.570 χ^2/NDF: 92.1/58

reg_asym_sam_48_avg_rms vs Slug



Right In: 154.625+/-0.025 χ^2/NDF: 1608172.3/31

Left Out: 143.444+/-0.023 χ^2/NDF:747040.9/24

Right Out: 154.972+/-0.025 χ^2/NDF: 2525178.1/35

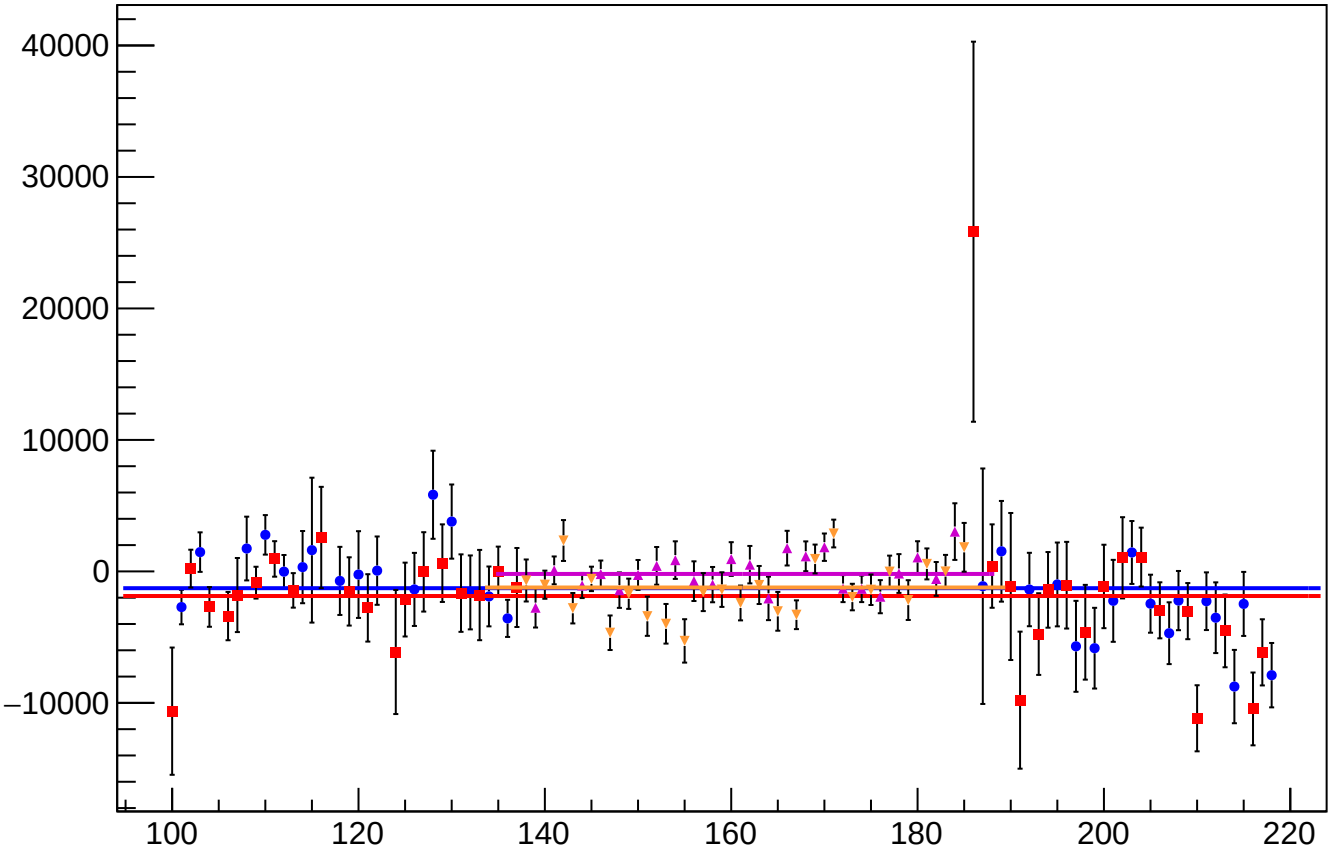
Left In: 144.170+/-0.024 χ^2/NDF:702713.8/22

+ sign 148.666+/-0.017 χ^2/NDF: 2462232.2/56

All: 149.015+/-0.012 χ^2/NDF: 5787485.6/115

- sign 149.377+/-0.017 χ^2/NDF: 3324402.3/58

asym_sam_48_avg_reg_correction_mean vs Slug



Right In: -1277.301+/-403.376 χ^2/NDF: 49.8/31

Left Out: -1225.049+/-251.767 χ^2/NDF:59.3/24

Right Out: -1872.083+/-390.872 χ^2/NDF: 54.4/35

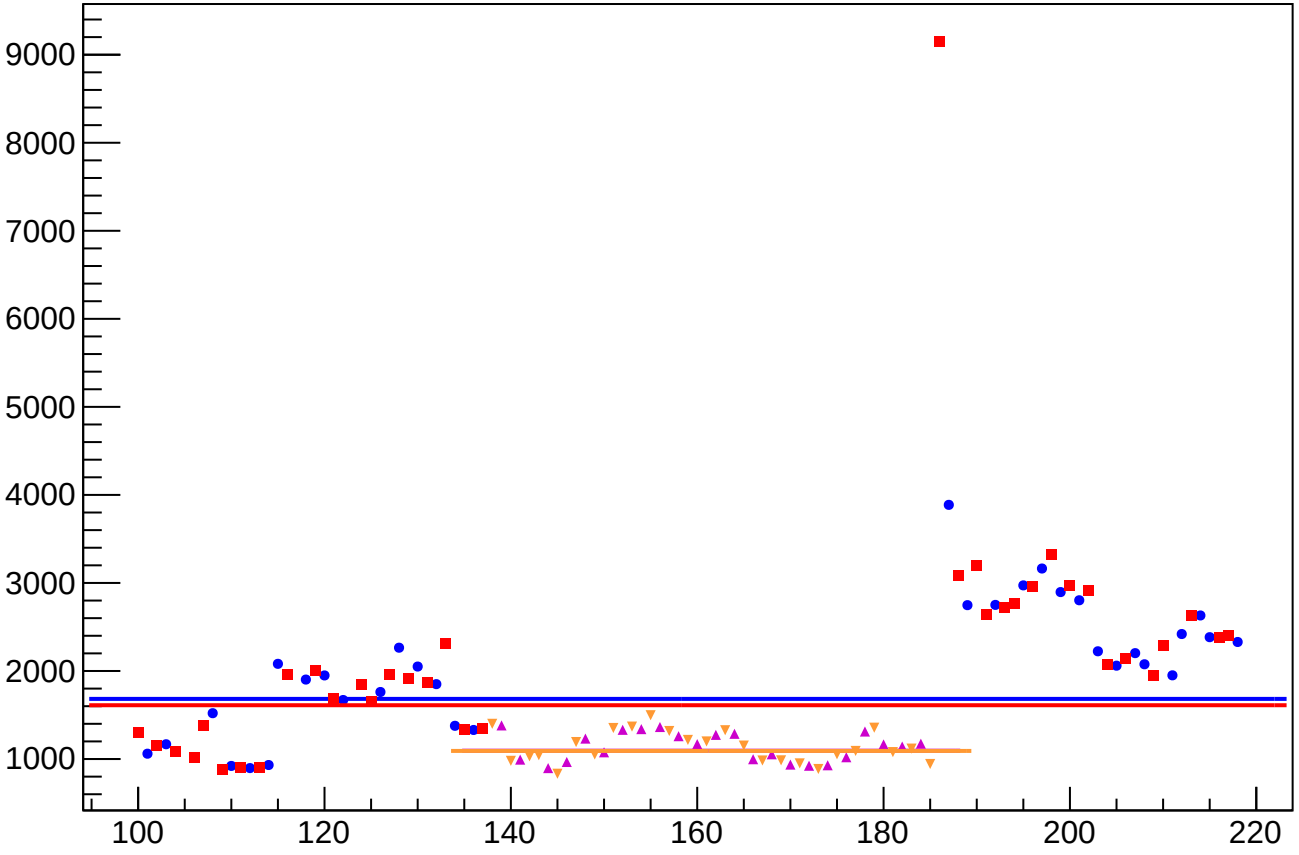
Left In: -193.805+/-258.922 χ^2/NDF:23.3/22

+ sign -1239.697+/-213.580 χ^2/NDF: 109.1/56

All: -975.502+/-151.823 χ^2/NDF: 202.7/115

- sign -705.641+/-215.858 χ^2/NDF: 90.5/58

asym_sam_48_avg_reg_correction_rms vs Slug



Right In: 1683.048+/-0.285 χ^2/NDF: 5294379.7/31

Left Out: 1091.980+/-0.178 χ^2/NDF:892442.4/24

Right Out: 1611.011+/-0.276 χ^2/NDF: 7143950.9/35

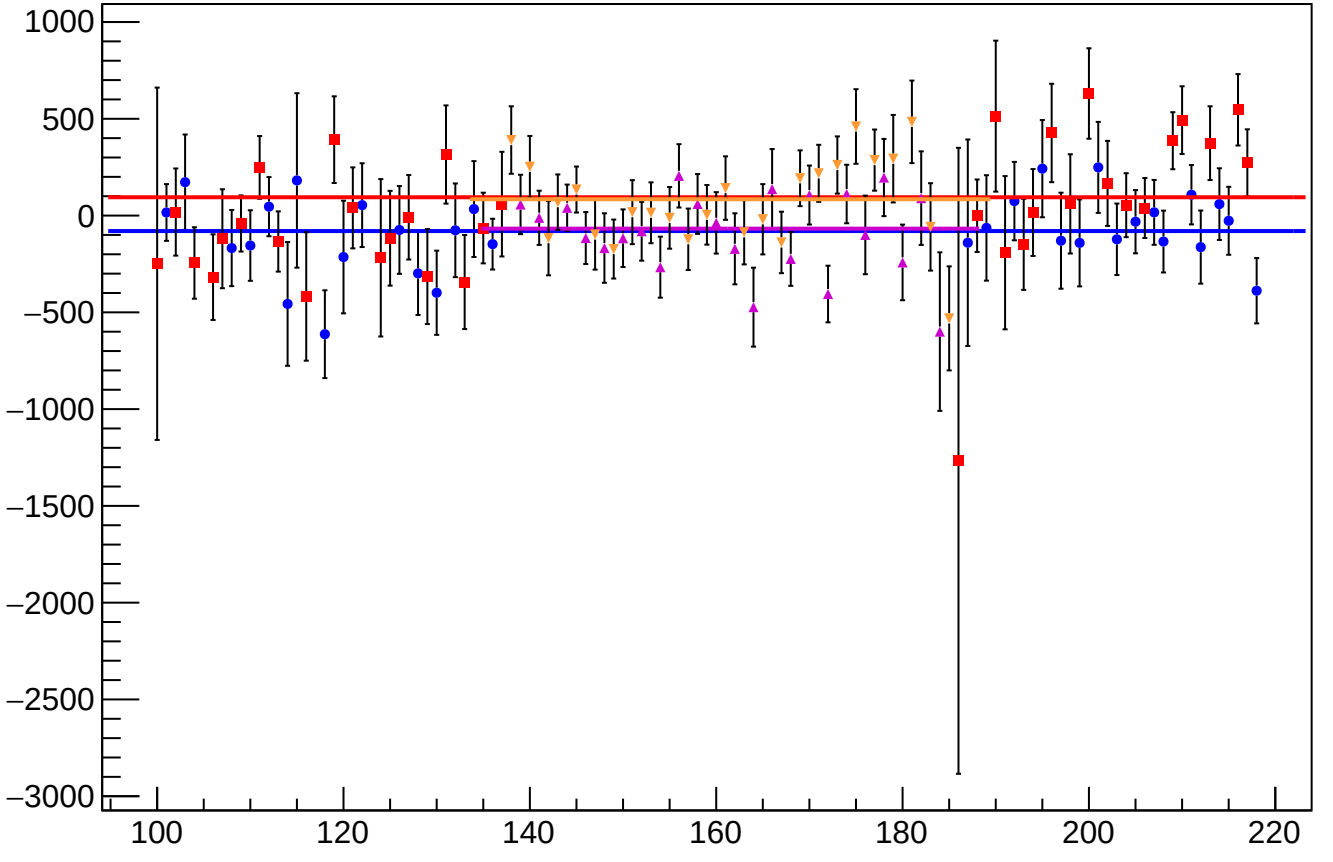
Left In: 1094.478+/-0.183 χ^2/NDF:732975.2/22

+ sign 1257.685+/-0.151 χ^2/NDF: 9277167.9/56

All: 1254.877+/-0.107 χ^2/NDF: 19582275.9/1

- sign 1252.009+/-0.153 χ^2/NDF: 10304409.2/58

cor_asym_sam_48_avg_mean vs Slug



Right In: -80.091+/-35.286 χ^2/NDF: 24.6/31

Left Out: 84.338+/-33.036 χ^2/NDF:33.8/24

Right Out: 94.594+/-35.394 χ^2/NDF: 54.6/35

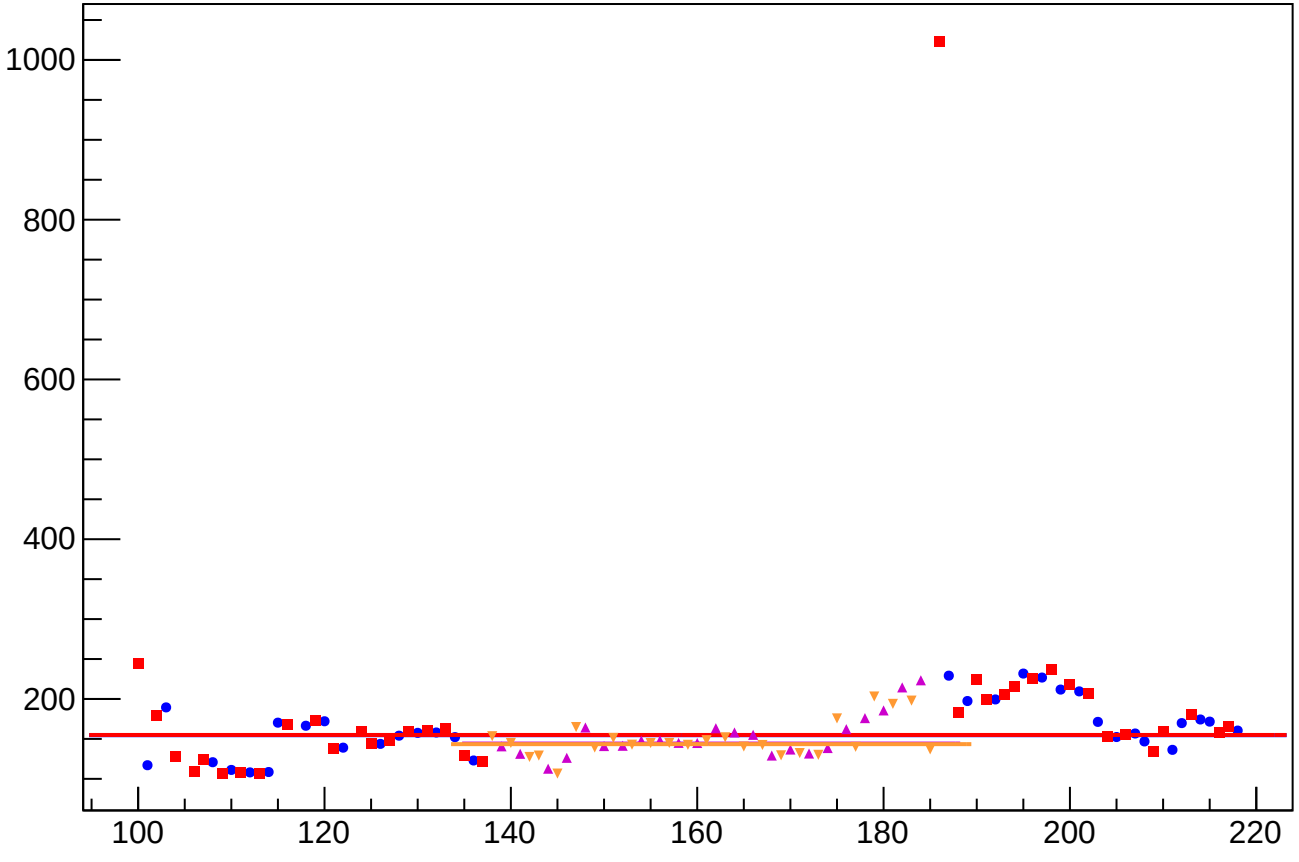
Left In: -67.648+/-34.137 χ^2/NDF:26.5/22

+ sign 7.533+/-24.116 χ^2/NDF: 70.0/56

All: 9.009+/-17.211 χ^2/NDF: 162.0/115

- sign 10.542+/-24.571 χ^2/NDF: 92.0/58

cor_asym_sam_48_avg_rms vs Slug



Right In: 154.625+/-0.025 χ^2/NDF: 1608174.5/31

Left Out: 143.444+/-0.023 χ^2/NDF:747040.9/24

Right Out: 154.940+/-0.025 χ^2/NDF: 2530723.2/35

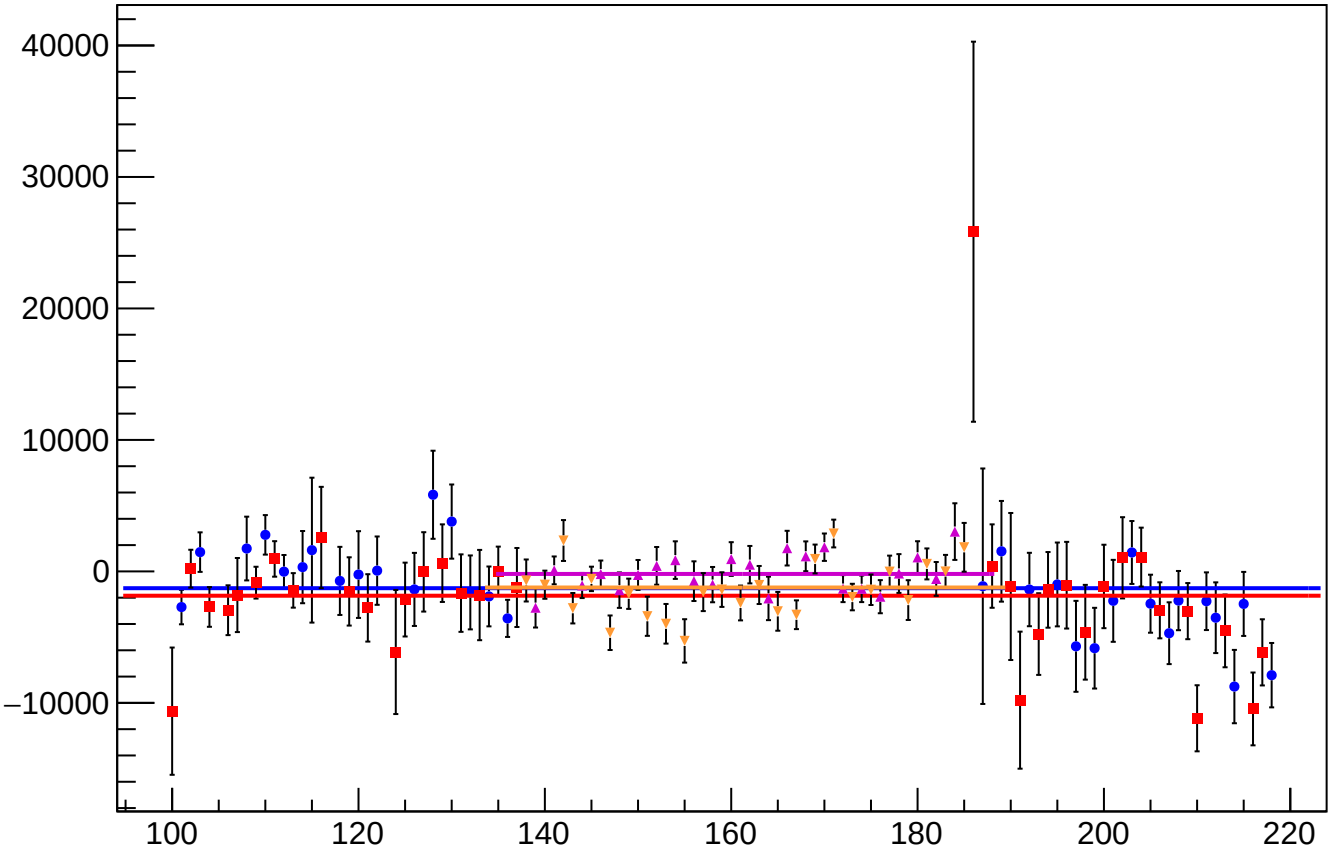
Left In: 144.170+/-0.024 χ^2/NDF:702713.8/22

+ sign 148.666+/-0.017 χ^2/NDF: 2462234.7/56

All: 149.007+/-0.012 χ^2/NDF: 5792408.8/115

- sign 149.360+/-0.017 χ^2/NDF: 3329361.1/58

asym_sam_48_avg_cor_correction_mean vs Slug



Right In: -1277.356+/-403.378 χ^2/NDF: 49.8/31

Left Out: -1225.031+/-251.767 χ^2/NDF:59.3/24

Right Out: -1849.581+/-391.408 χ^2/NDF: 54.0/35

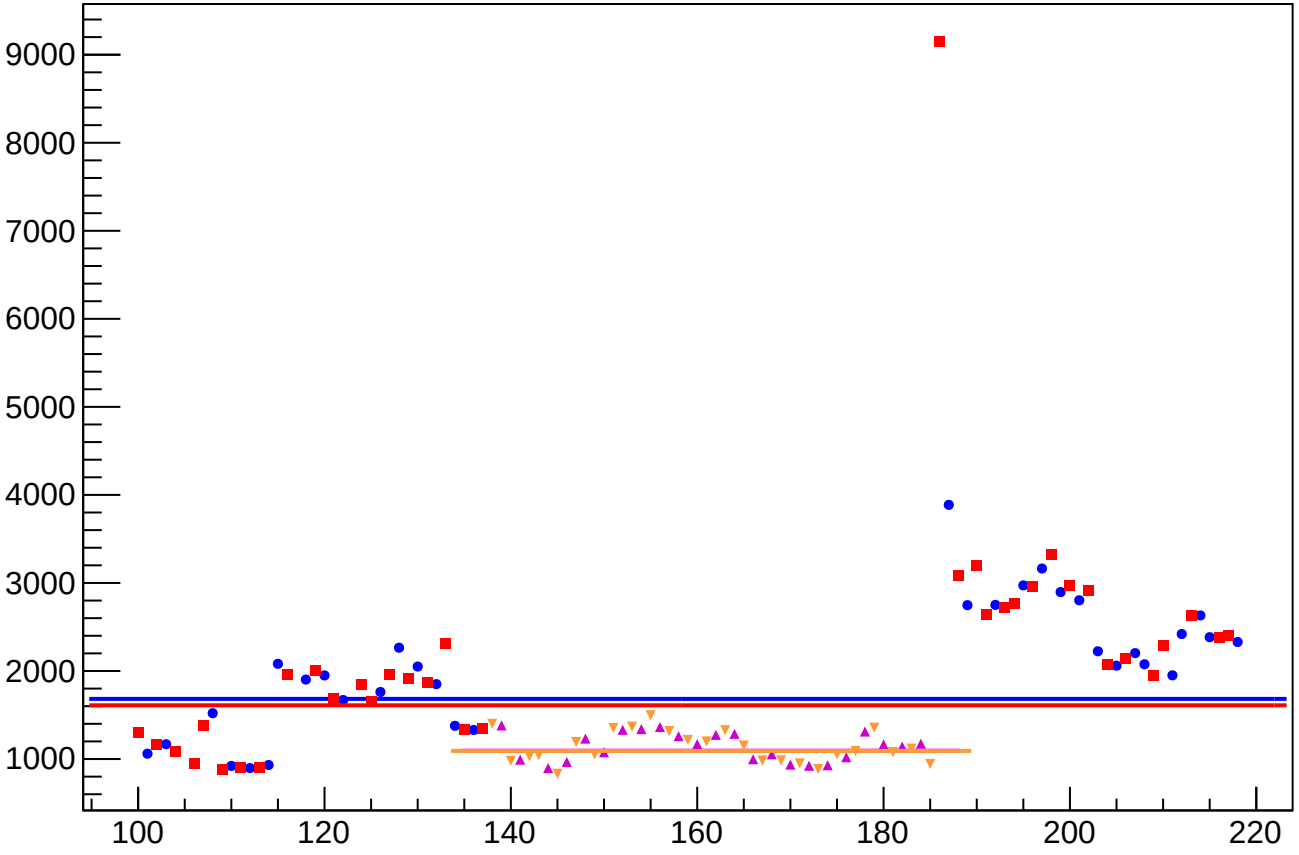
Left In: -193.808+/-258.922 χ^2/NDF:23.3/22

+ sign -1239.700+/-213.580 χ^2/NDF: 109.1/56

All: -971.747+/-151.854 χ^2/NDF: 202.1/115

- sign -697.819+/-215.948 χ^2/NDF: 89.8/58

asym_sam_48_avg_cor_correction_rms vs Slug



Right In: 1683.062+/-0.285 χ^2/NDF: 5294245.6/31

Left Out: 1091.979+/-0.178 χ^2/NDF:892441.9/24

Right Out: 1610.038+/-0.277 χ^2/NDF: 7174031.6/35

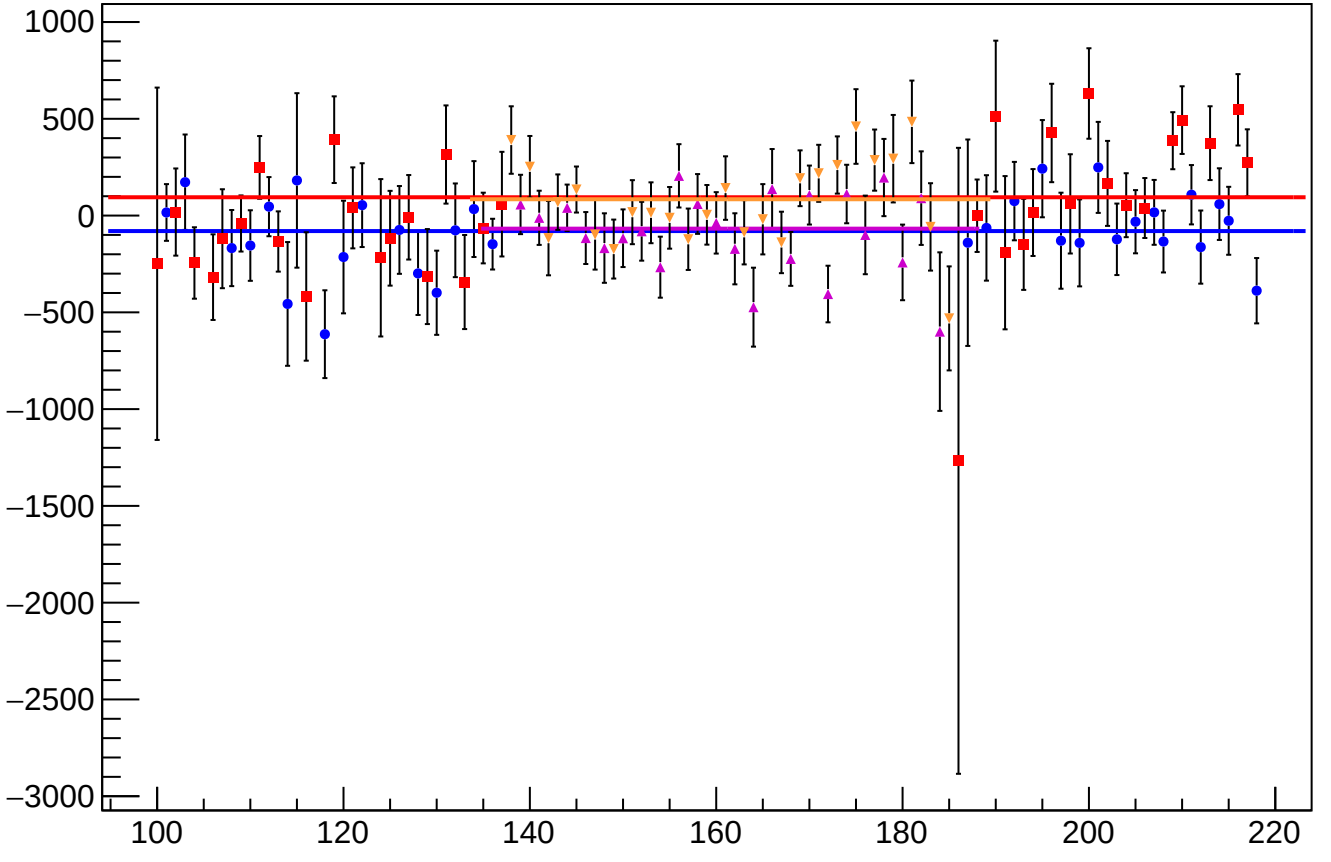
Left In: 1094.479+/-0.183 χ^2/NDF:732975.7/22

+ sign 1257.688+/-0.151 χ^2/NDF: 9277150.6/56

All: 1254.585+/-0.107 χ^2/NDF: 19598747.7/1

- sign 1251.413+/-0.153 χ^2/NDF: 10320743.5/58

eigen_cor_asym_sam_48_avg_mean vs Slug



Right In: -80.091+/-35.286 χ^2/NDF: 24.6/31

Left Out: 84.338+/-33.036 χ^2/NDF:33.8/24

Right Out: 94.594+/-35.394 χ^2/NDF: 54.6/35

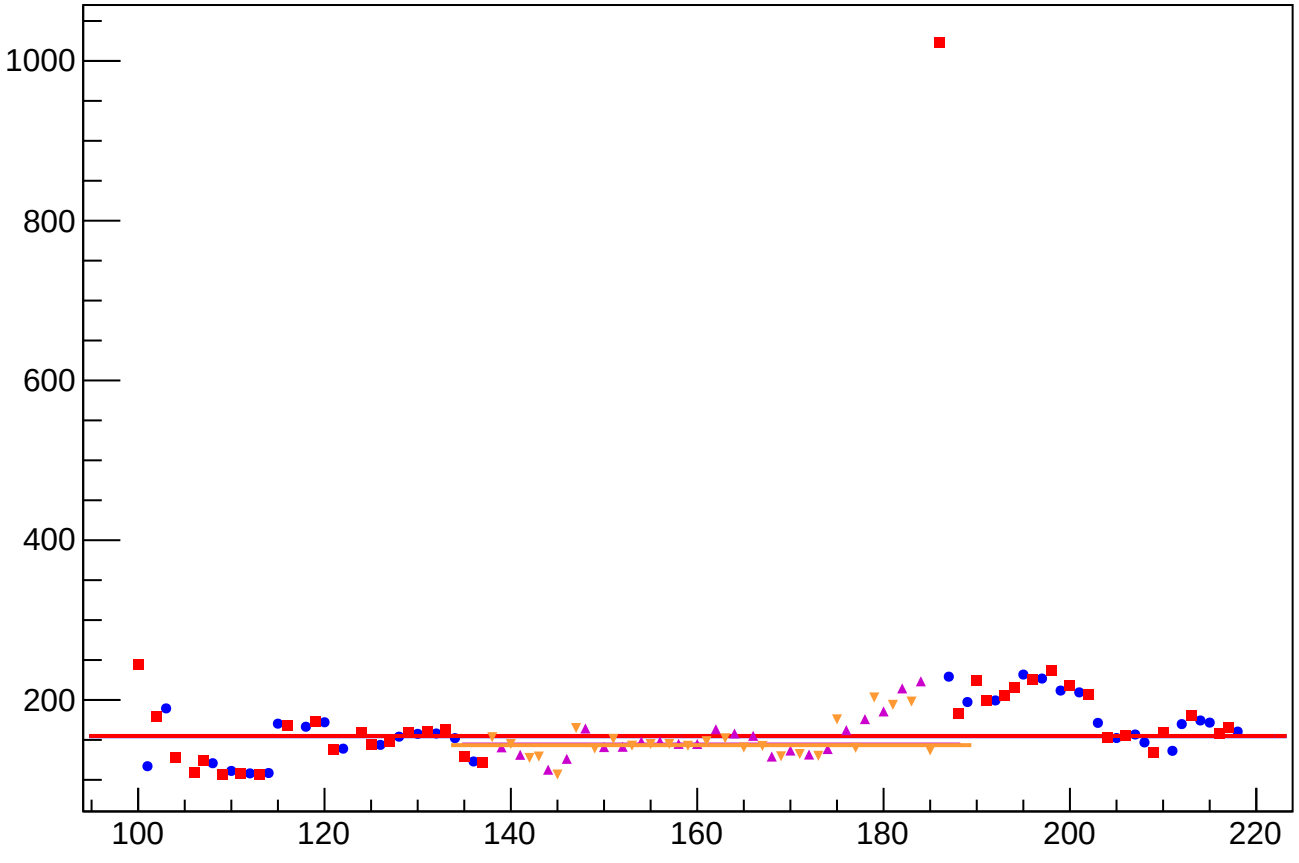
Left In: -67.648+/-34.137 χ^2/NDF:26.5/22

+ sign 7.533+/-24.116 χ^2/NDF: 70.0/56

All: 9.009+/-17.211 χ^2/NDF: 162.0/115

- sign 10.542+/-24.571 χ^2/NDF: 92.0/58

eigen_cor_asym_sam_48_avg_rms vs Slug



Right In: 154.625+/-0.025 χ^2/NDF: 1608174.5/31

Left Out: 143.444+/-0.023 χ^2/NDF:747040.9/24

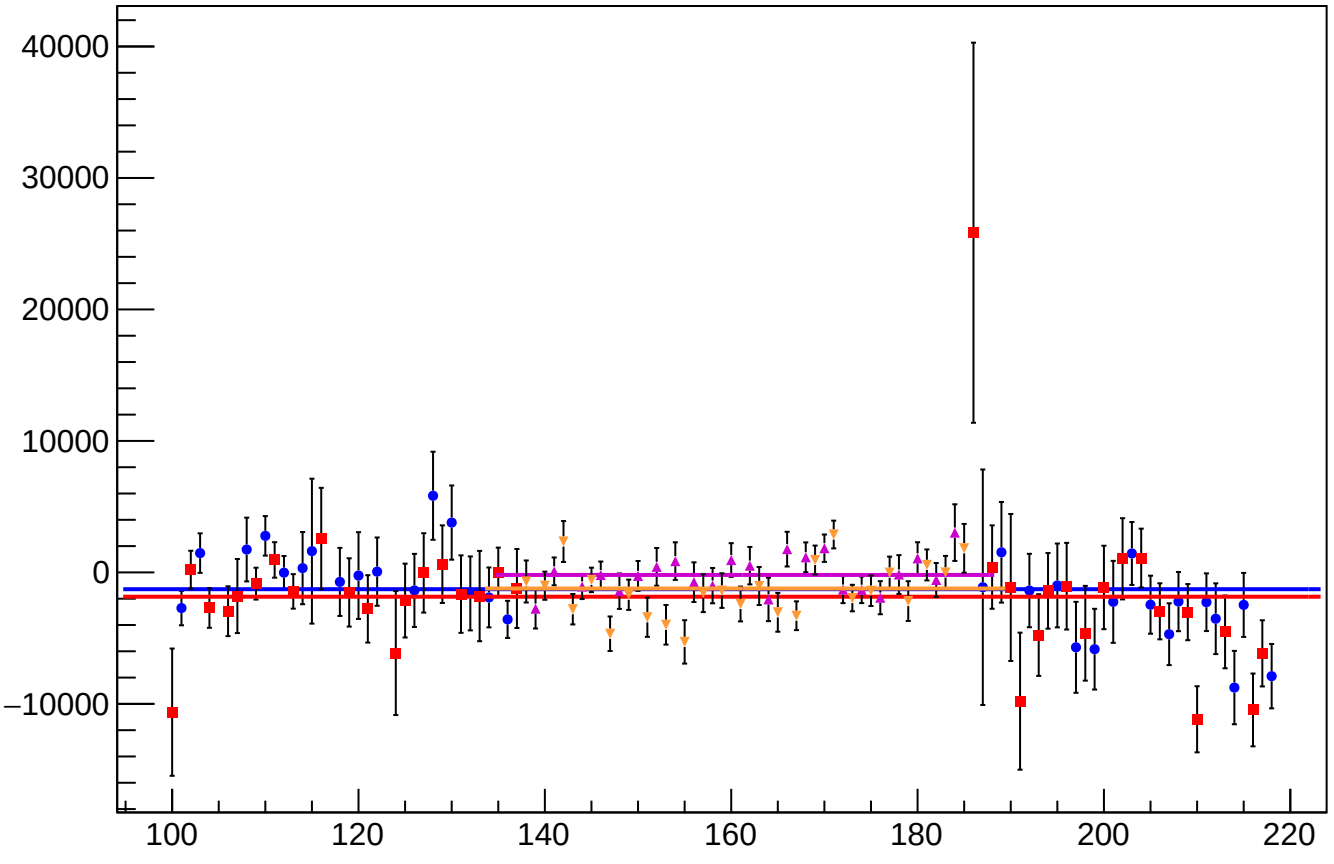
Right Out: 154.940+/-0.025 χ^2/NDF: 2530723.2/35

Left In: 144.170+/-0.024 χ^2/NDF:702713.8/22

+ sign 148.666+/-0.017 χ^2/NDF: 2462234.7/56

All: 149.007+/-0.012 χ^2/NDF: 5792408.8/115

- sign 149.360+/-0.017 χ^2/NDF: 3329361.1/58



Right In: -1277.356+/-403.378 χ^2/NDF: 49.8/31

Left Out: -1225.031+/-251.767 χ^2/NDF:59.3/24

Right Out: -1849.581+/-391.408 χ^2/NDF: 54.0/35

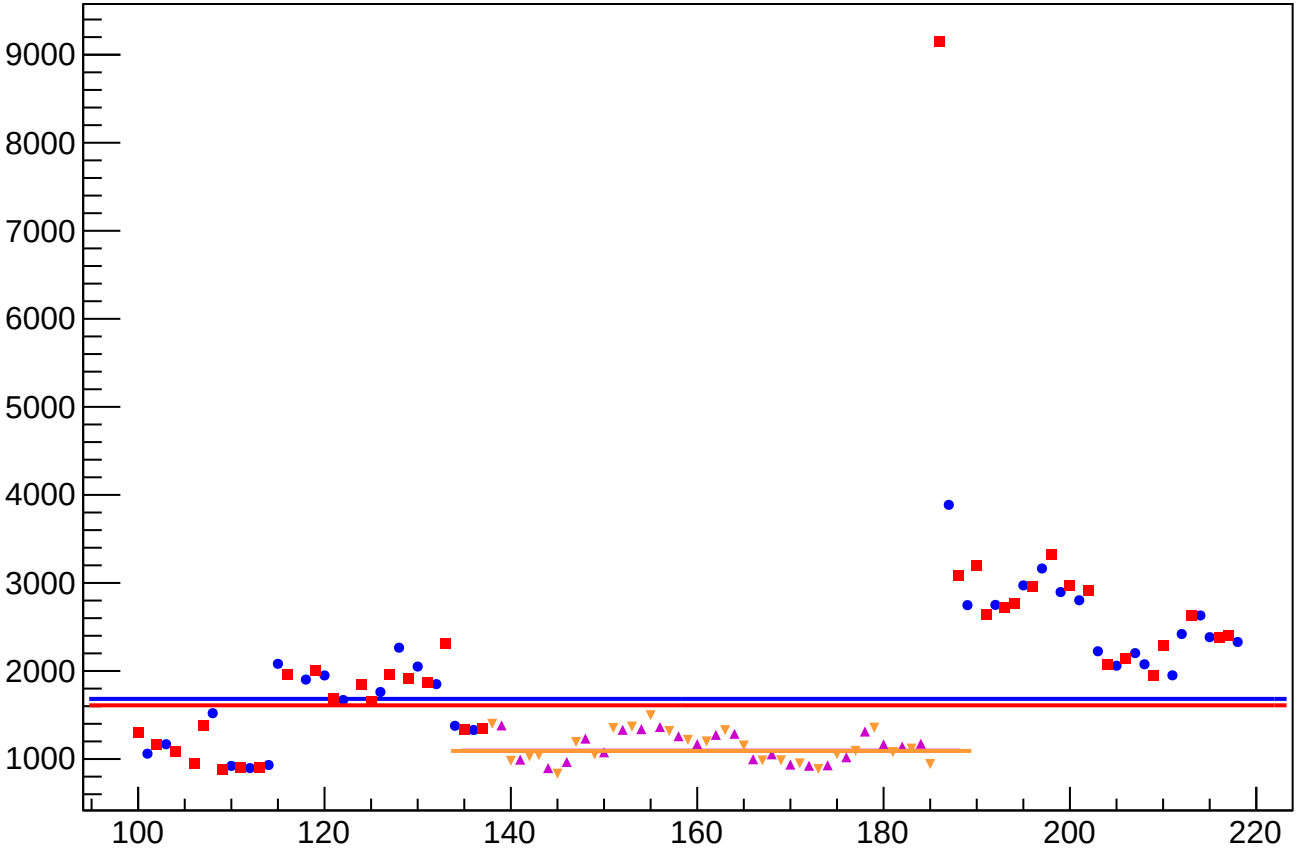
Left In: -193.808+/-258.922 χ^2/NDF:23.3/22

+ sign -1239.700+/-213.580 χ^2/NDF: 109.1/56

All: -971.747+/-151.854 χ^2/NDF: 202.1/115

- sign -697.819+/-215.948 χ^2/NDF: 89.8/58

asym_sam_48_avg_eigen_cor_correction_rms vs Slug



Right In: 1683.062+/-0.285 χ^2/NDF: 5294245.6/31

Left Out: 1091.979+/-0.178 χ^2/NDF:892441.9/24

Right Out: 1610.038+/-0.277 χ^2/NDF: 7174031.6/35

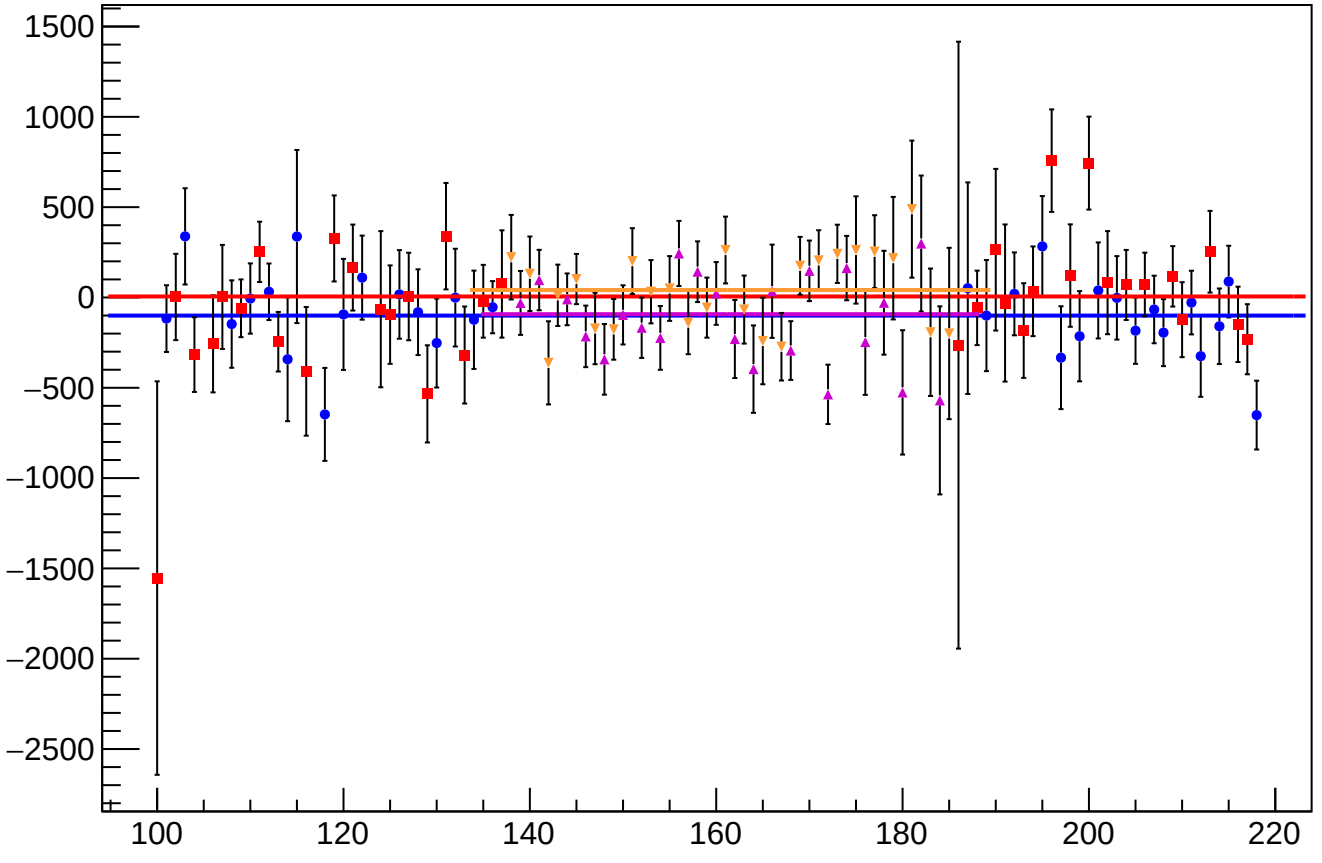
Left In: 1094.479+/-0.183 χ^2/NDF:732975.7/22

+ sign 1257.688+/-0.151 χ^2/NDF: 9277150.6/56

All: 1254.585+/-0.107 χ^2/NDF: 19598747.7/1

- sign 1251.413+/-0.153 χ^2/NDF: 10320743.5/58

dit_asym_sam_48_avg_mean vs Slug



Right In: -100.319+/-39.763 χ^2/NDF: 25.8/31

Left Out: 41.086+/-39.177 χ^2/NDF:22.3/24

Right Out: 5.481+/-39.599 χ^2/NDF: 41.5/35

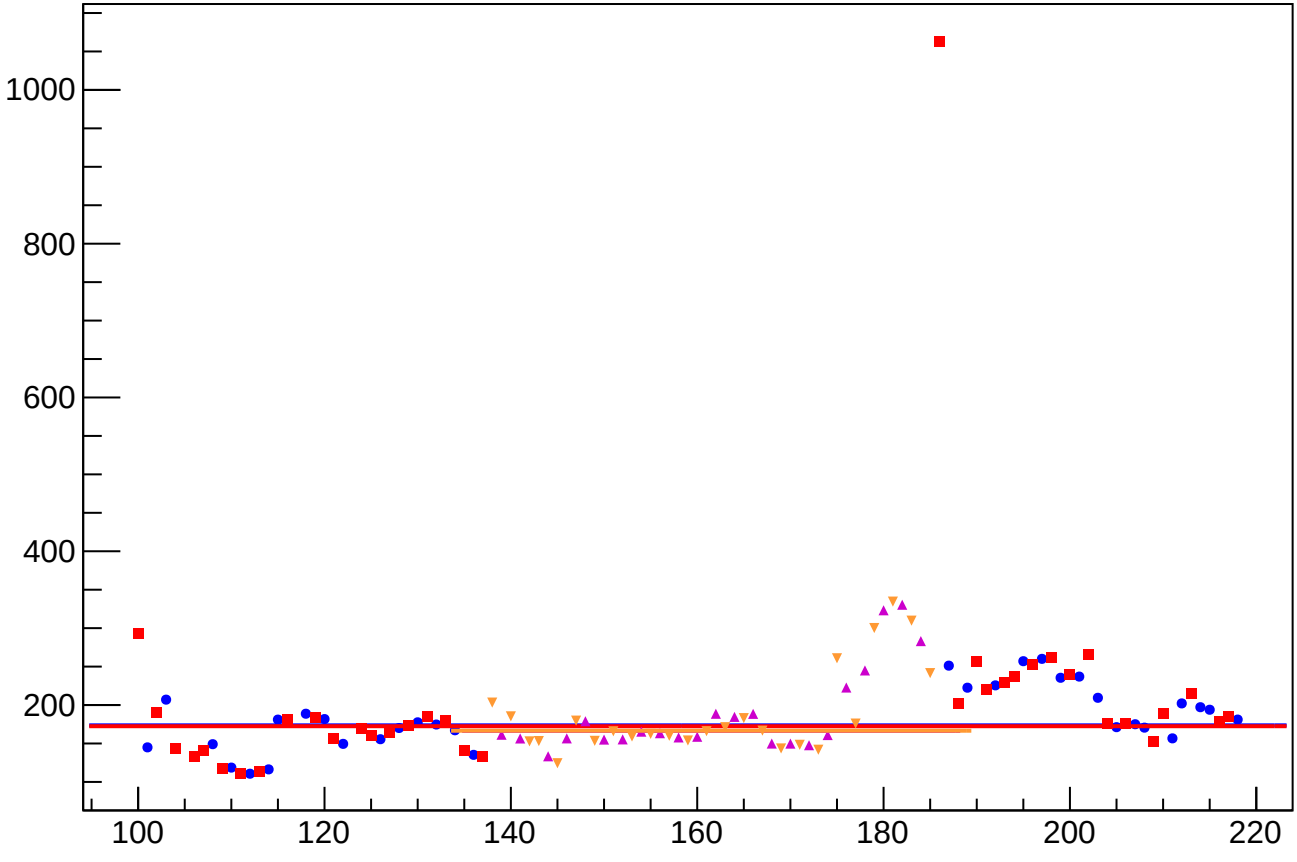
Left In: -92.556+/-40.165 χ^2/NDF:29.5/22

+ sign -28.566+/-27.907 χ^2/NDF: 54.5/56

All: -35.629+/-19.836 χ^2/NDF: 128.7/115

- sign -42.842+/-28.199 χ^2/NDF: 74.0/58

dit_asym_sam_48_avg_rms vs Slug



Right In: 173.590+/-0.028 χ^2/NDF: 1760916.6/31

Left Out: 166.599+/-0.028 χ^2/NDF:1719835.6/24

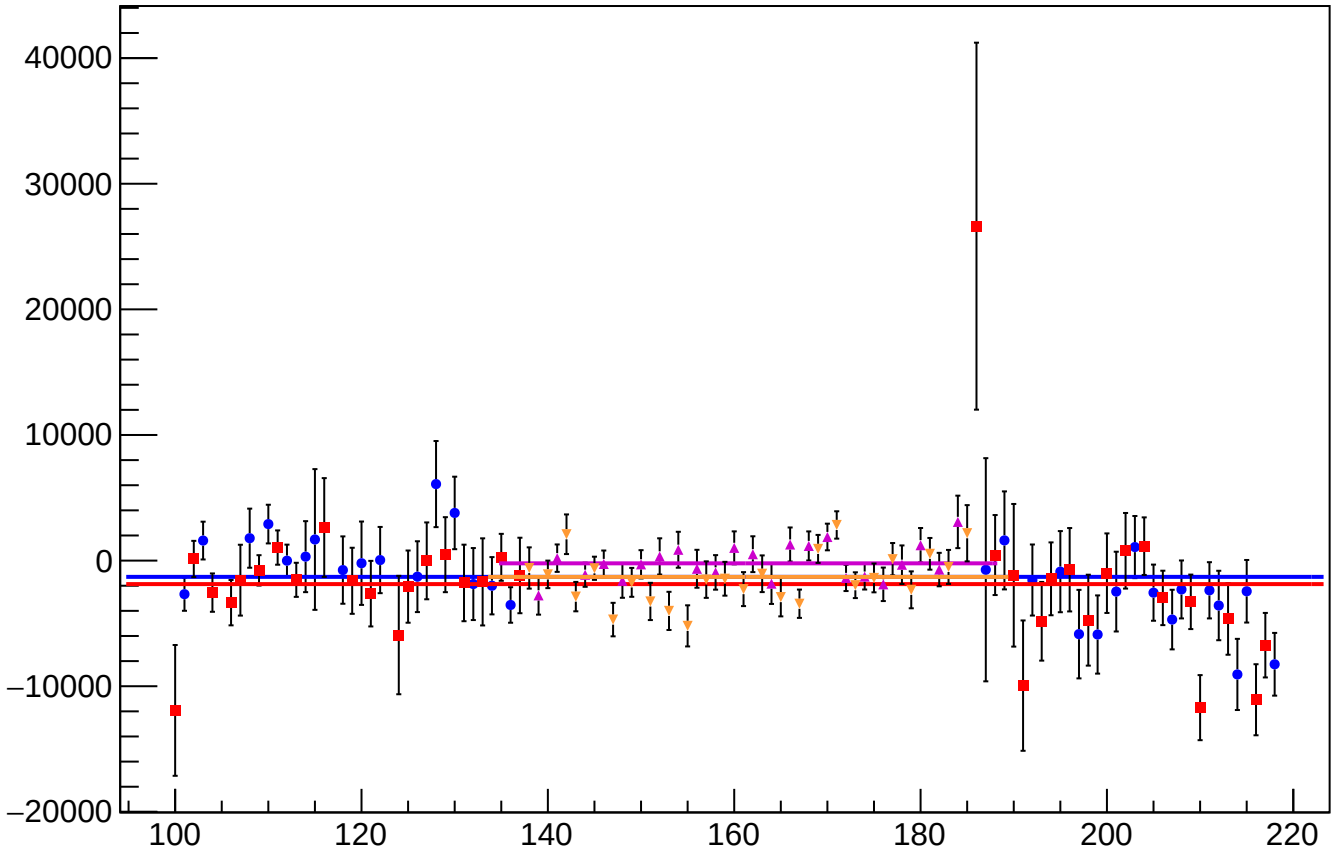
Right Out: 172.460+/-0.028 χ^2/NDF: 2769028.7/35

Left In: 166.308+/-0.028 χ^2/NDF:1392466.3/22

+ sign 170.042+/-0.020 χ^2/NDF: 3512122.5/56

All: 169.738+/-0.014 χ^2/NDF: 7697887.4/115

- sign 169.428+/-0.020 χ^2/NDF: 4185285.2/58



Right In: -1294.385+/-408.557 χ^2/NDF: 50.8/31

Left Out: -1298.333+/-256.961 χ^2/NDF:55.1/24

Right Out: -1870.241+/-395.046 χ^2/NDF: 57.7/35

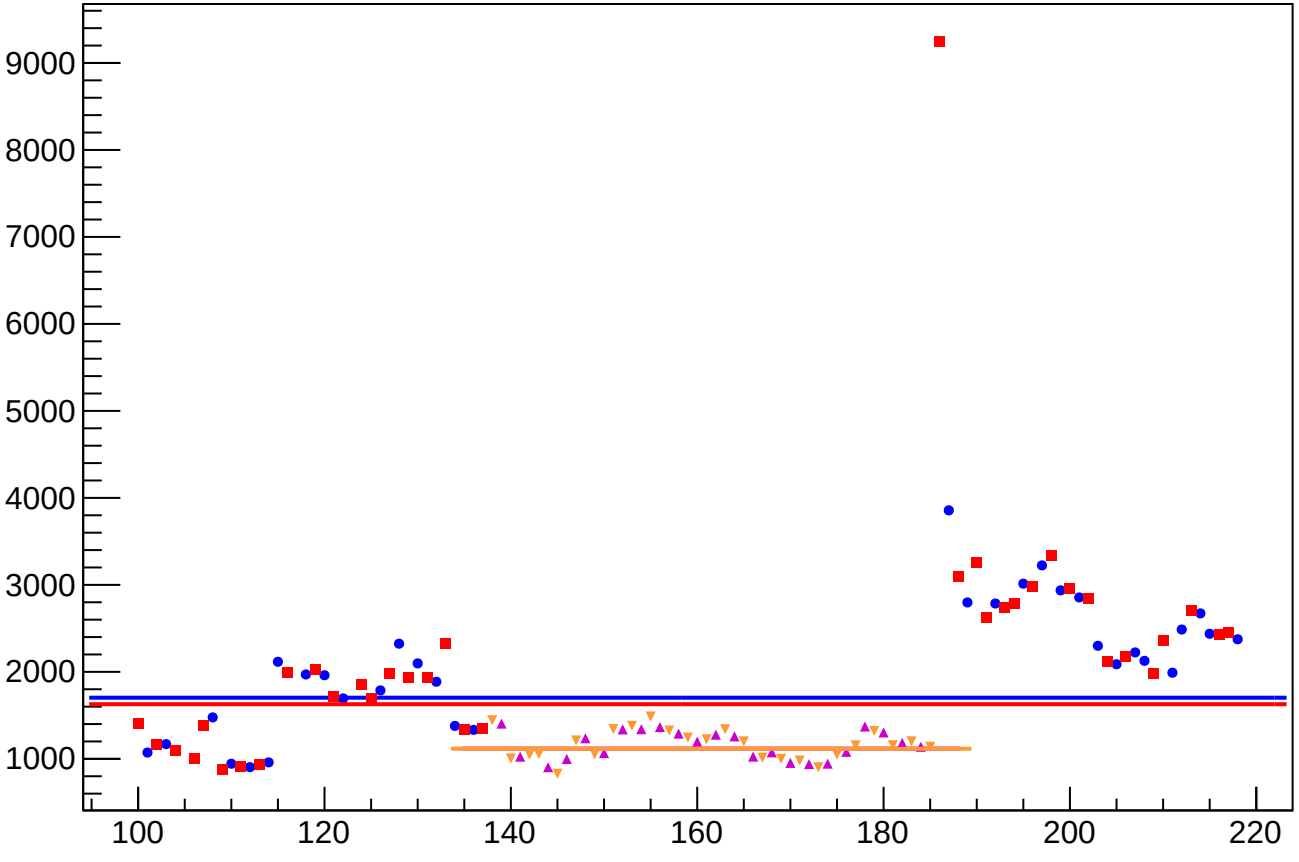
Left In: -217.285+/-264.388 χ^2/NDF:22.2/22

+ sign -1297.214+/-217.516 χ^2/NDF: 105.9/56

All: -1015.786+/-154.581 χ^2/NDF: 201.3/115

- sign -728.624+/-219.721 χ^2/NDF: 92.0/58

asym_sam_48_avg_dit_correction_rms vs Slug



Right In: 1702.785+/-0.289 χ^2/NDF: 5395151.4/31

Left Out: 1116.034+/-0.182 χ^2/NDF:867489.3/24

Right Out: 1627.992+/-0.279 χ^2/NDF: 7175751.2/35

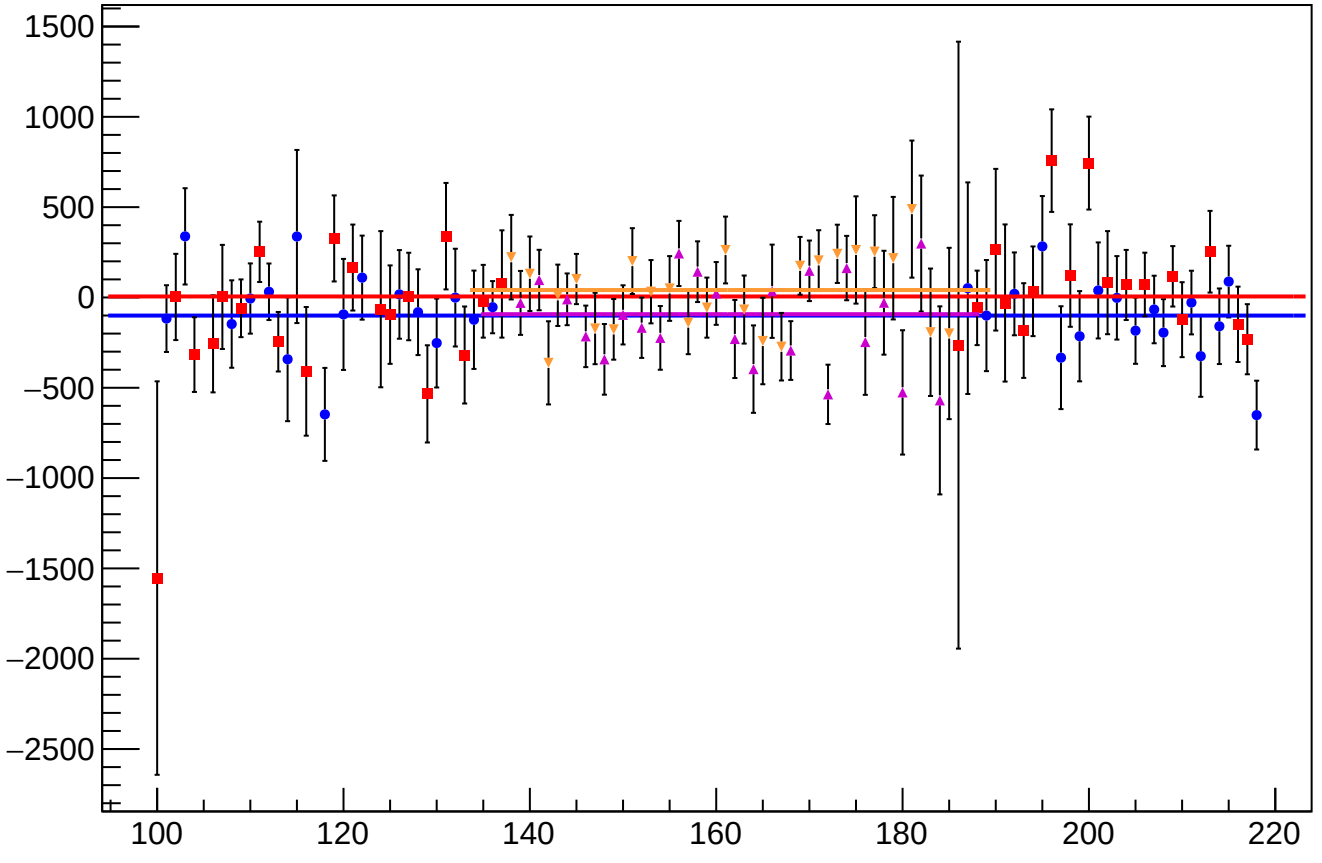
Left In: 1117.831+/-0.187 χ^2/NDF:729387.1/22

+ sign 1282.348+/-0.154 χ^2/NDF: 9218469.4/56

All: 1279.032+/-0.109 χ^2/NDF: 19428153.4/1

- sign 1275.649+/-0.155 χ^2/NDF: 10208744.9/58

eigen_dit_asym_sam_48_avg_mean vs Slug



Right In: -100.314+/-39.763 χ^2/NDF: 25.8/31

Left Out: 41.088+/-39.177 χ^2/NDF:22.3/24

Right Out: 5.484+/-39.599 χ^2/NDF: 41.5/35

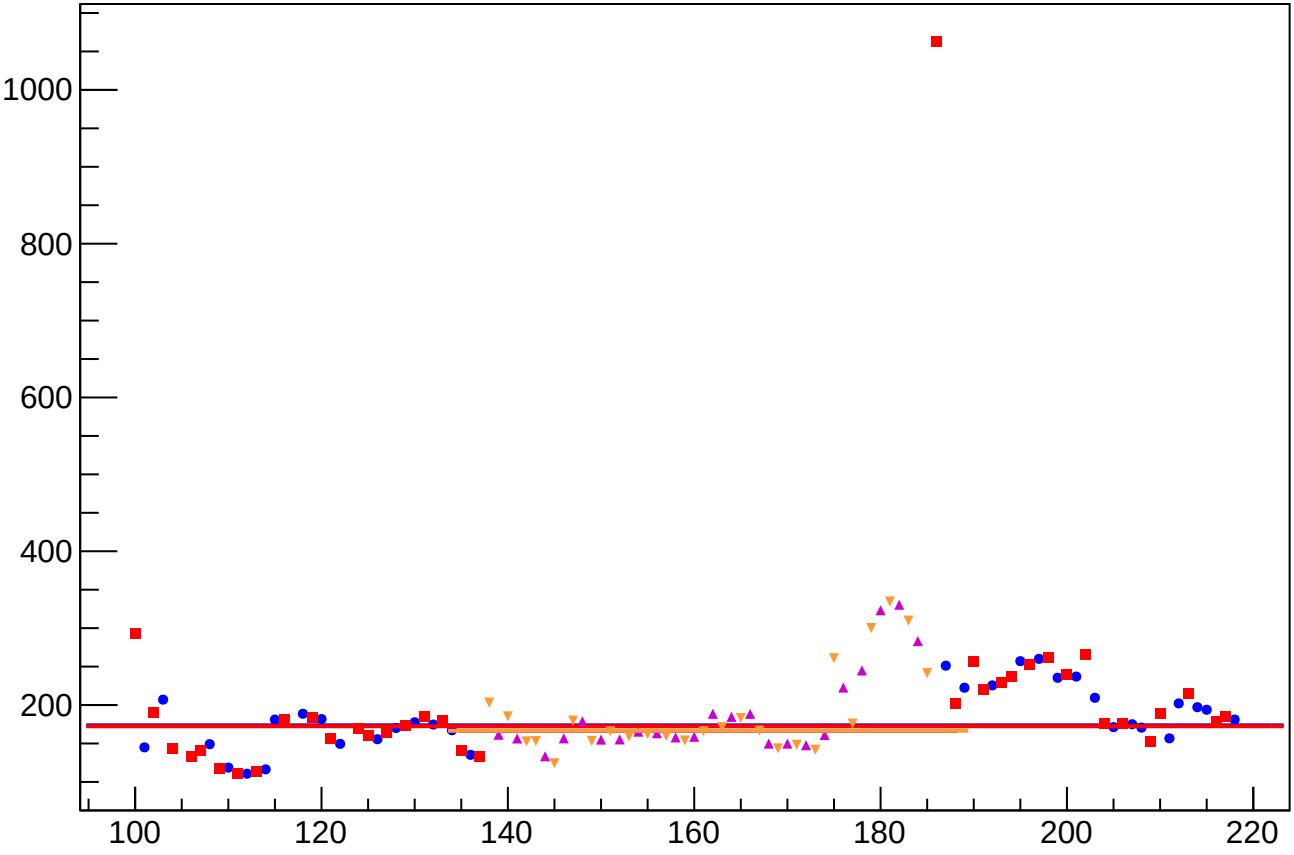
Left In: -92.556+/-40.165 χ^2/NDF:29.5/22

+ sign -28.563+/-27.907 χ^2/NDF: 54.5/56

All: -35.627+/-19.836 χ^2/NDF: 128.7/115

- sign -42.840+/-28.199 χ^2/NDF: 74.0/58

eigen_dit_asym_sam_48_avg_rms vs Slug



Right In: 173.589+/-0.028 χ^2/NDF: 1760896.9/31

Left Out: 166.599+/-0.028 χ^2/NDF:1719829.4/24

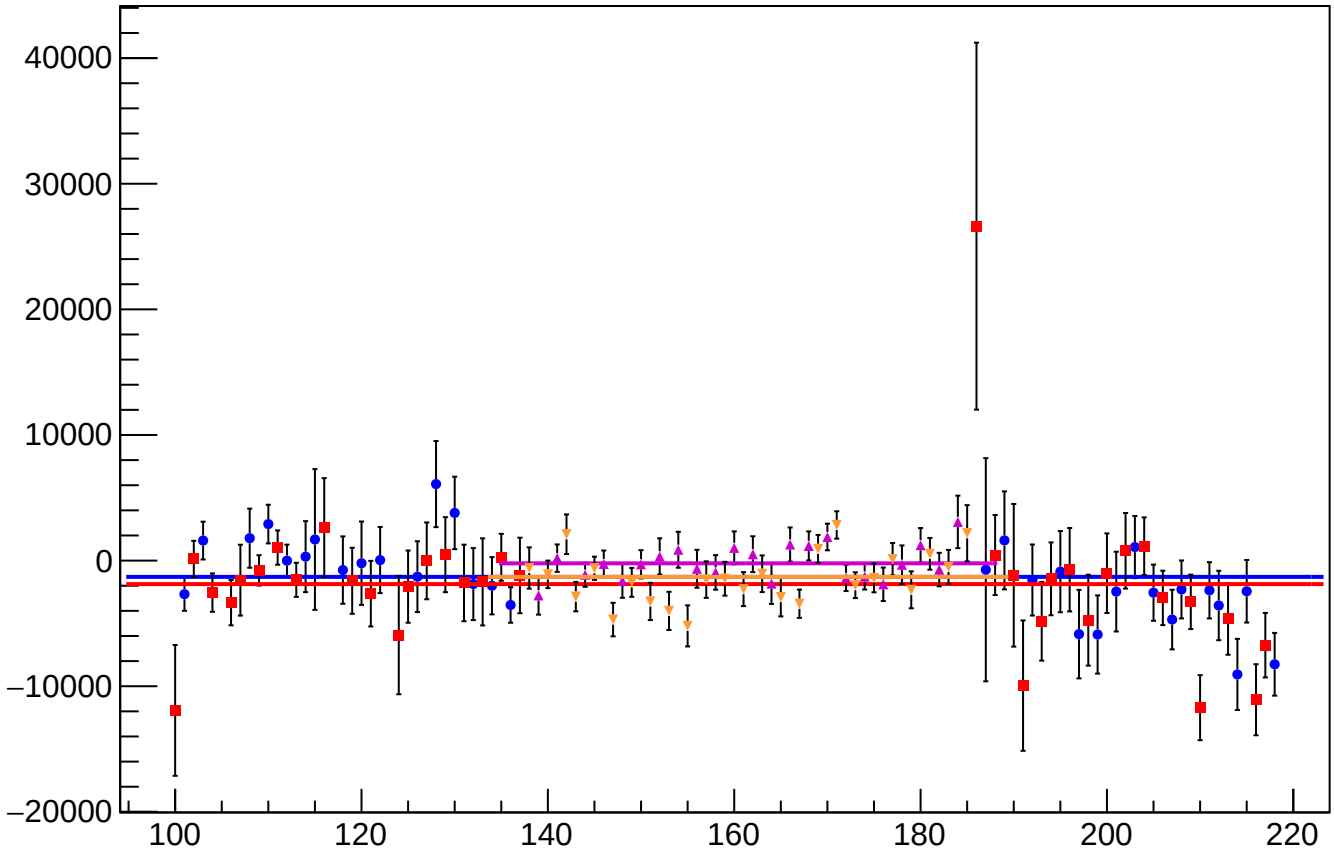
Right Out: 172.460+/-0.028 χ^2/NDF: 2769030.6/35

Left In: 166.308+/-0.028 χ^2/NDF:1392446.1/22

+ sign 170.042+/-0.020 χ^2/NDF: 3512093.3/56

All: 169.738+/-0.014 χ^2/NDF: 7697837.5/115

- sign 169.428+/-0.020 χ^2/NDF: 4185264.4/58



Right In: -1294.383+/-408.557 χ^2/NDF: 50.8/31

Left Out: -1298.330+/-256.961 χ^2/NDF:55.1/24

Right Out: -1870.237+/-395.046 χ^2/NDF: 57.7/35

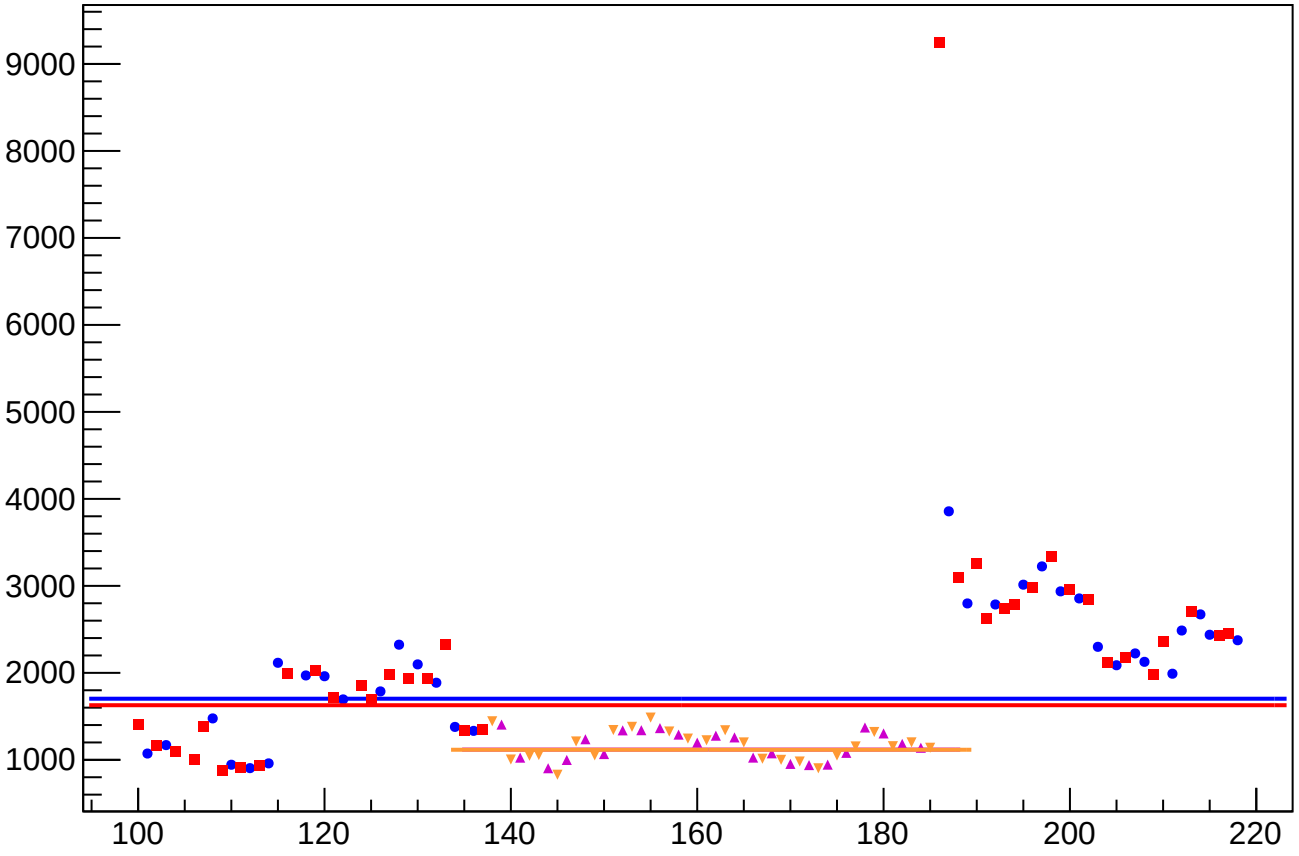
Left In: -217.283+/-264.388 χ^2/NDF:22.2/22

+ sign -1297.211+/-217.516 χ^2/NDF: 105.9/56

All: -1015.784+/-154.580 χ^2/NDF: 201.3/115

- sign -728.621+/-219.721 χ^2/NDF: 92.0/58

asym_sam_48_avg_eigen_dit_correction_rms vs Slug



Right In: 1702.783+/-0.289 χ^2/NDF: 5395153.2/31

Left Out: 1116.032+/-0.182 χ^2/NDF:867491.2/24

Right Out: 1627.990+/-0.279 χ^2/NDF: 7175752.4/35

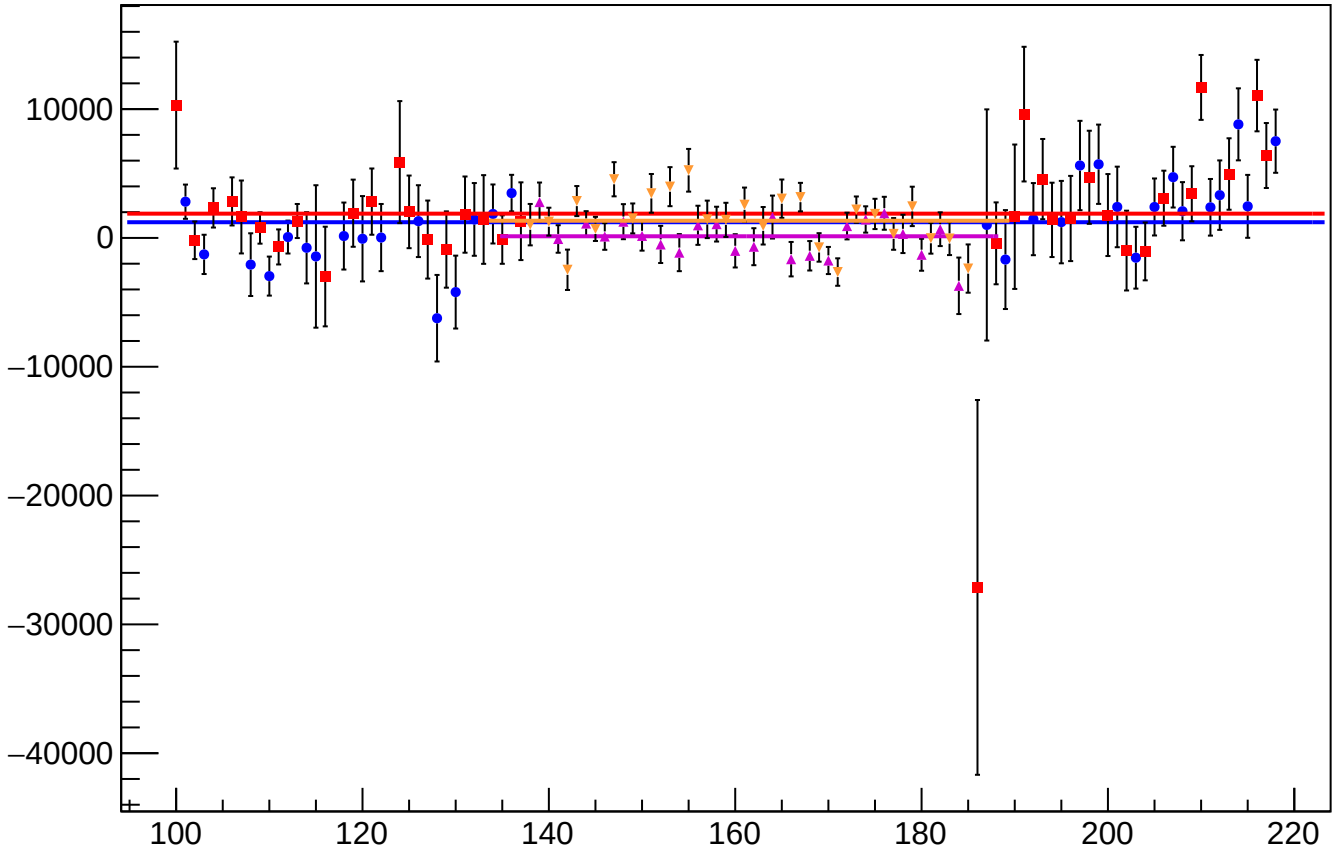
Left In: 1117.829+/-0.187 χ^2/NDF:729386.0/22

+ sign 1282.346+/-0.154 χ^2/NDF: 9218482.6/56

All: 1279.030+/-0.109 χ^2/NDF: 19428174.8/1

- sign 1275.647+/-0.155 χ^2/NDF: 10208753.1/58

asym_sam_48_avg_mean vs Slug



Right In: 1219.176+/-405.693 χ^2/NDF: 50.4/31

Left Out: 1334.704+/-254.187 χ^2/NDF:55.7/24

Right Out: 1884.315+/-393.279 χ^2/NDF: 56.8/35

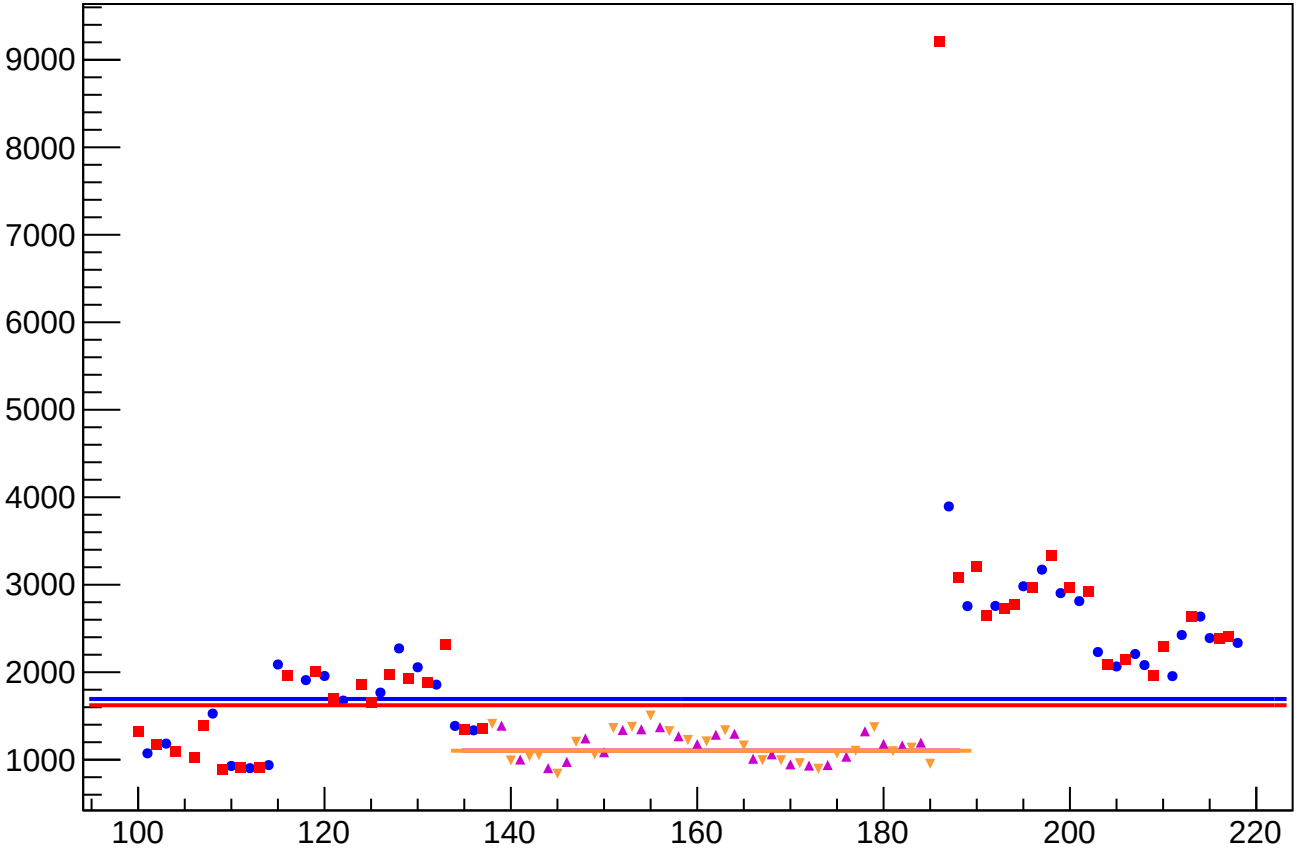
Left In: 128.368+/-261.415 χ^2/NDF:24.0/22

+ sign 1302.136+/-215.400 χ^2/NDF: 106.1/56

All: 987.685+/-153.120 χ^2/NDF: 205.1/115

- sign 666.460+/-217.707 χ^2/NDF: 94.7/58

asym_sam_48_avg_rms vs Slug



Right In: 1694.427+/-0.287 χ^2/NDF: 5223708.9/31

Left Out: 1102.700+/-0.180 χ^2/NDF:880468.6/24

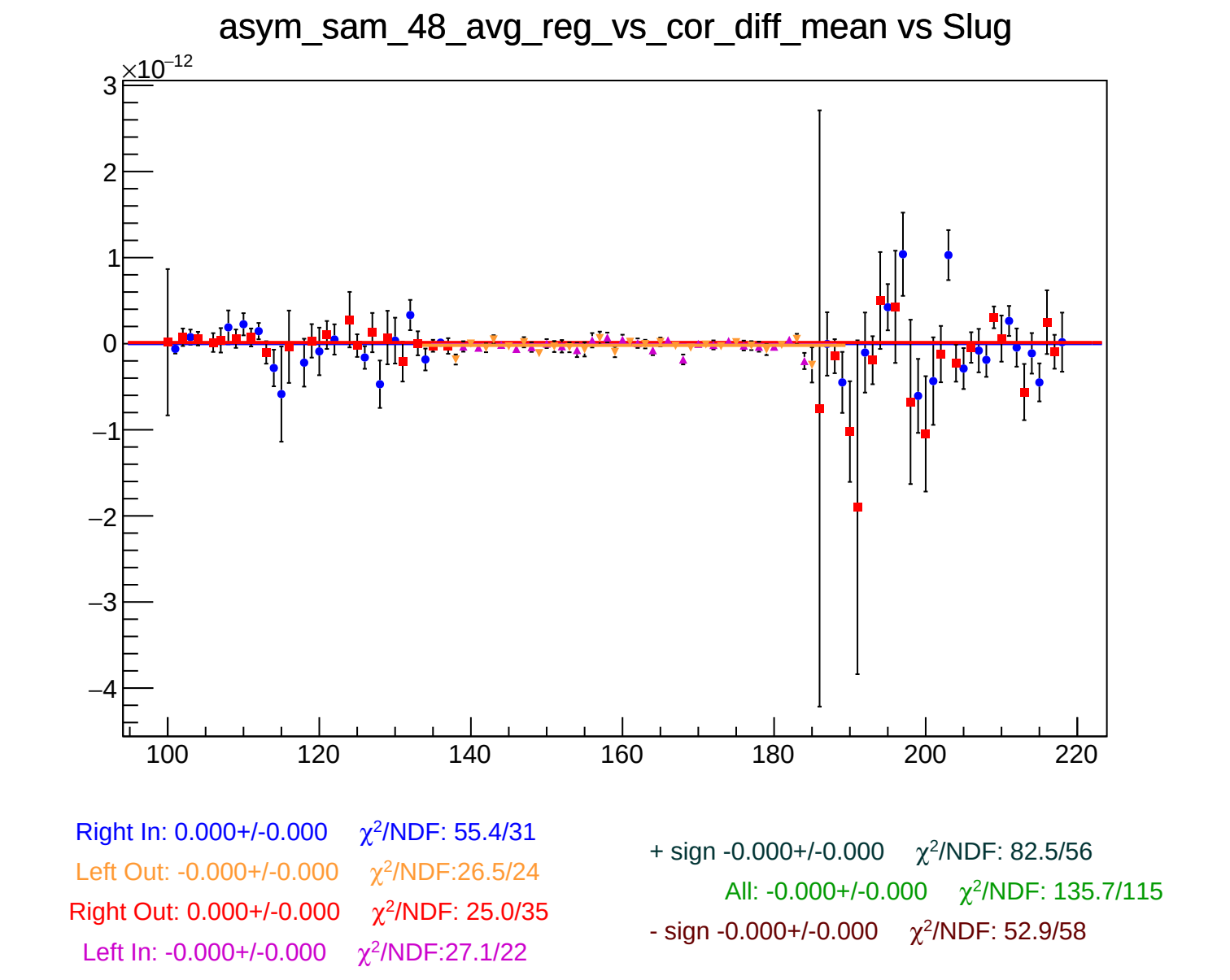
Right Out: 1622.496+/-0.278 χ^2/NDF: 7069643.0/35

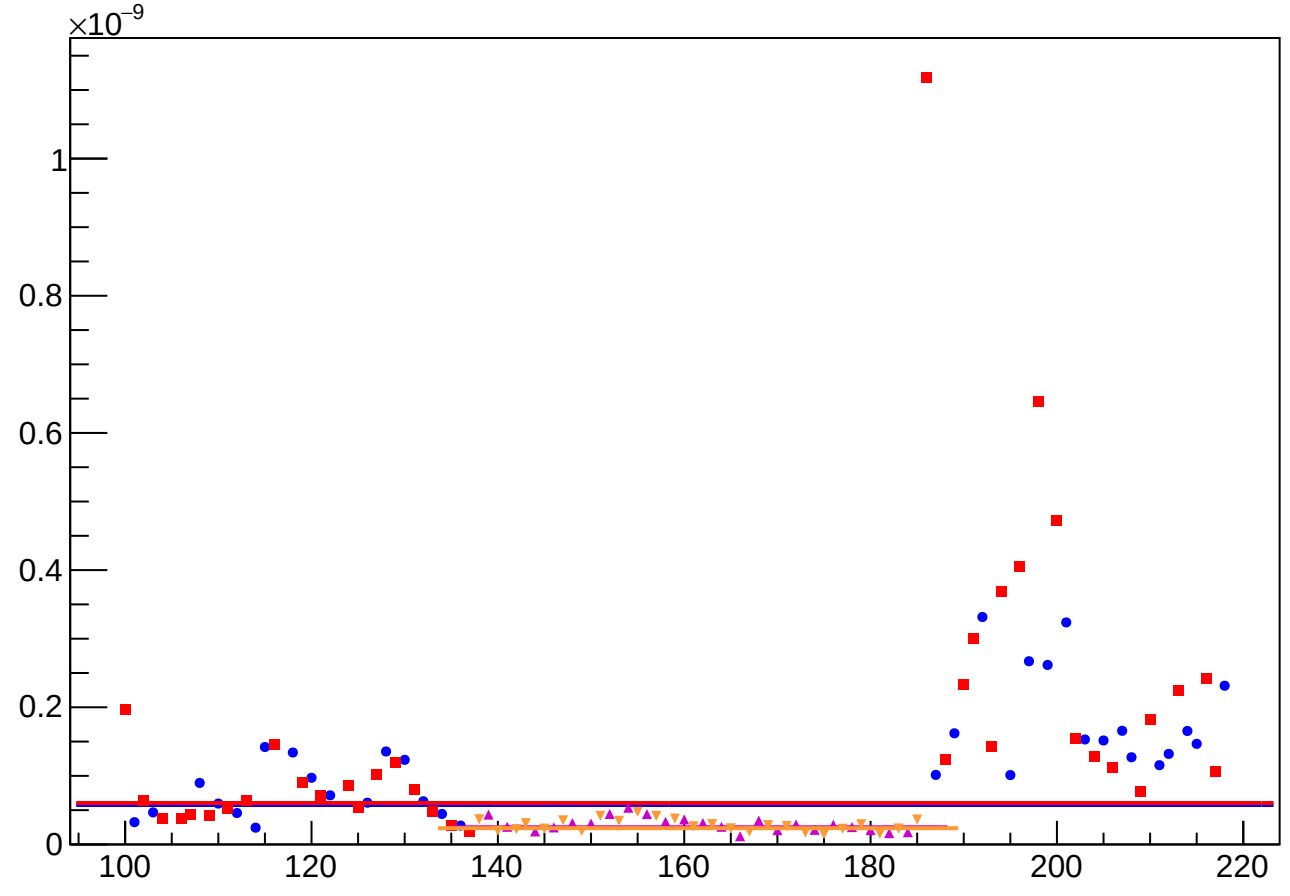
Left In: 1105.200+/-0.185 χ^2/NDF:723304.5/22

+ sign 1269.508+/-0.152 χ^2/NDF: 9159533.9/56

All: 1266.645+/-0.108 χ^2/NDF: 19353092.3/1

- sign 1263.720+/-0.154 χ^2/NDF: 10192844.0/58


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
200
220
Right In: 0.000+/-0.000 χ²/NDF: 55.4/31
Left Out: -0.000+/-0.000 χ²/NDF:26.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 25.0/35
Left In: -0.000+/-0.000 χ²/NDF:27.1/22
+ sign -0.000+/-0.000 χ²/NDF: 82.5/56
All: -0.000+/-0.000 χ²/NDF: 135.7/115
- sign -0.000+/-0.000 χ²/NDF: 52.9/58



Right In: 0.000+/-0.000 χ^2/NDF: 7156356.4/31

Left Out: 0.000+/-0.000 χ^2/NDF:1433511.8/24

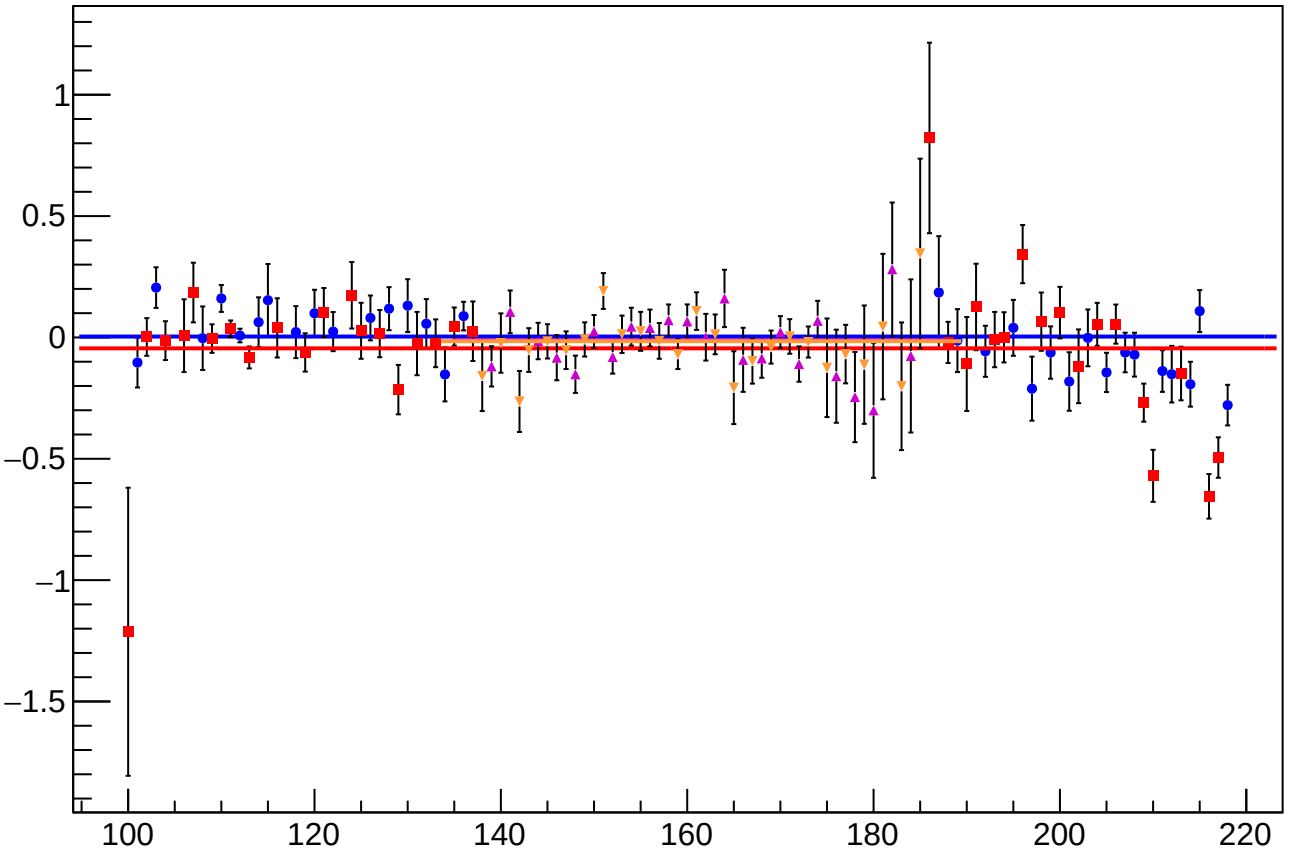
Right Out: 0.000+/-0.000 χ^2/NDF: 7128946.1/35

Left In: 0.000+/-0.000 χ^2/NDF:1544727.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 11837039.2/56

All: 0.000+/-0.000 χ^2/NDF: 23685035.5/115

- sign 0.000+/-0.000 χ^2/NDF: 11806078.6/58



Right In: 0.004+/-0.015 χ^2/NDF: 58.4/31

Left Out: -0.016+/-0.018 χ^2/NDF:21.6/24

Right Out: -0.045+/-0.015 χ^2/NDF: 154.0/35

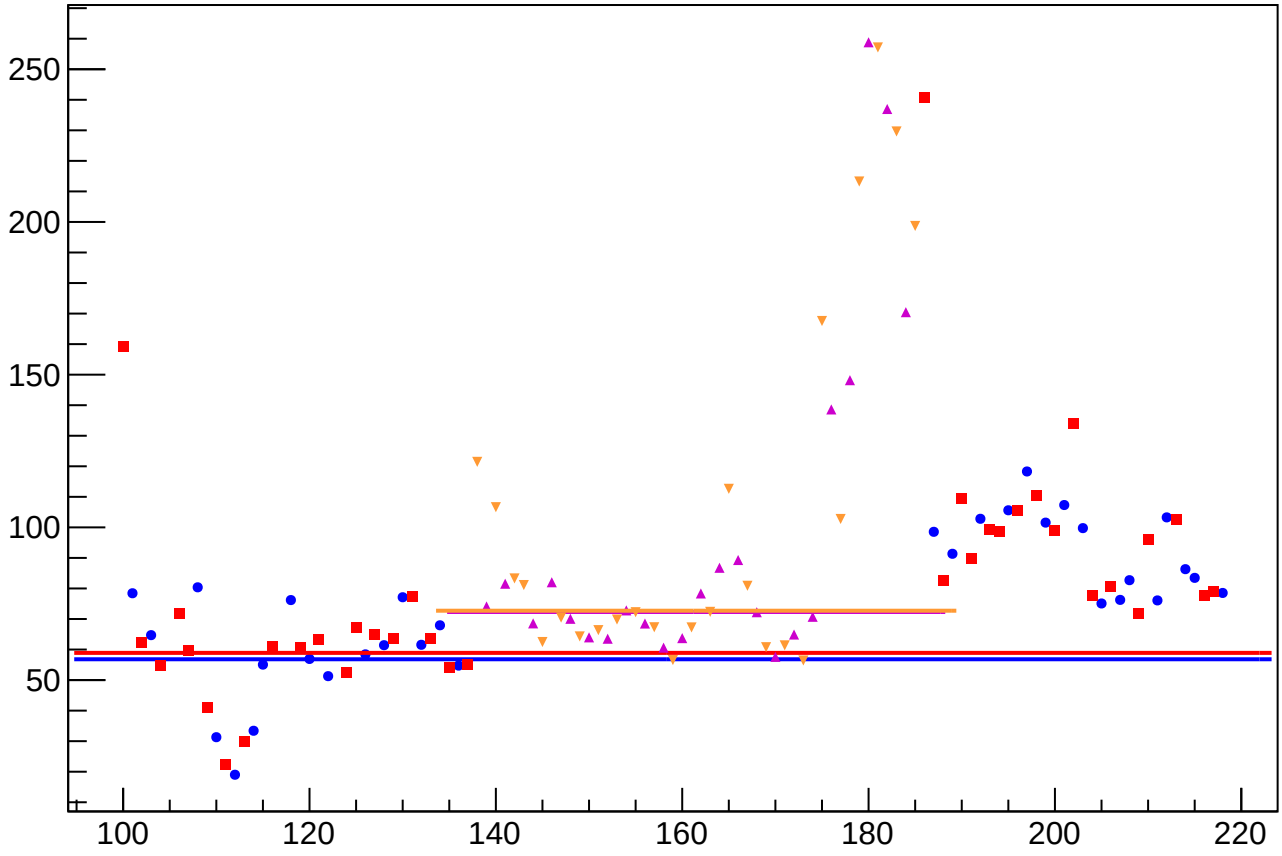
Left In: -0.011+/-0.018 χ^2/NDF:23.3/22

+ sign -0.004+/-0.011 χ^2/NDF: 80.7/56

All: -0.018+/-0.008 χ^2/NDF: 263.1/115

- sign -0.032+/-0.011 χ^2/NDF: 179.4/58

asym_sam_48_avg_dit_vs_cor_diff_rms vs Slug



Right In: 56.816+/-0.010 χ^2/NDF: 8158905.2/31

Left Out: 72.715+/-0.013 χ^2/NDF:3961158.6/24

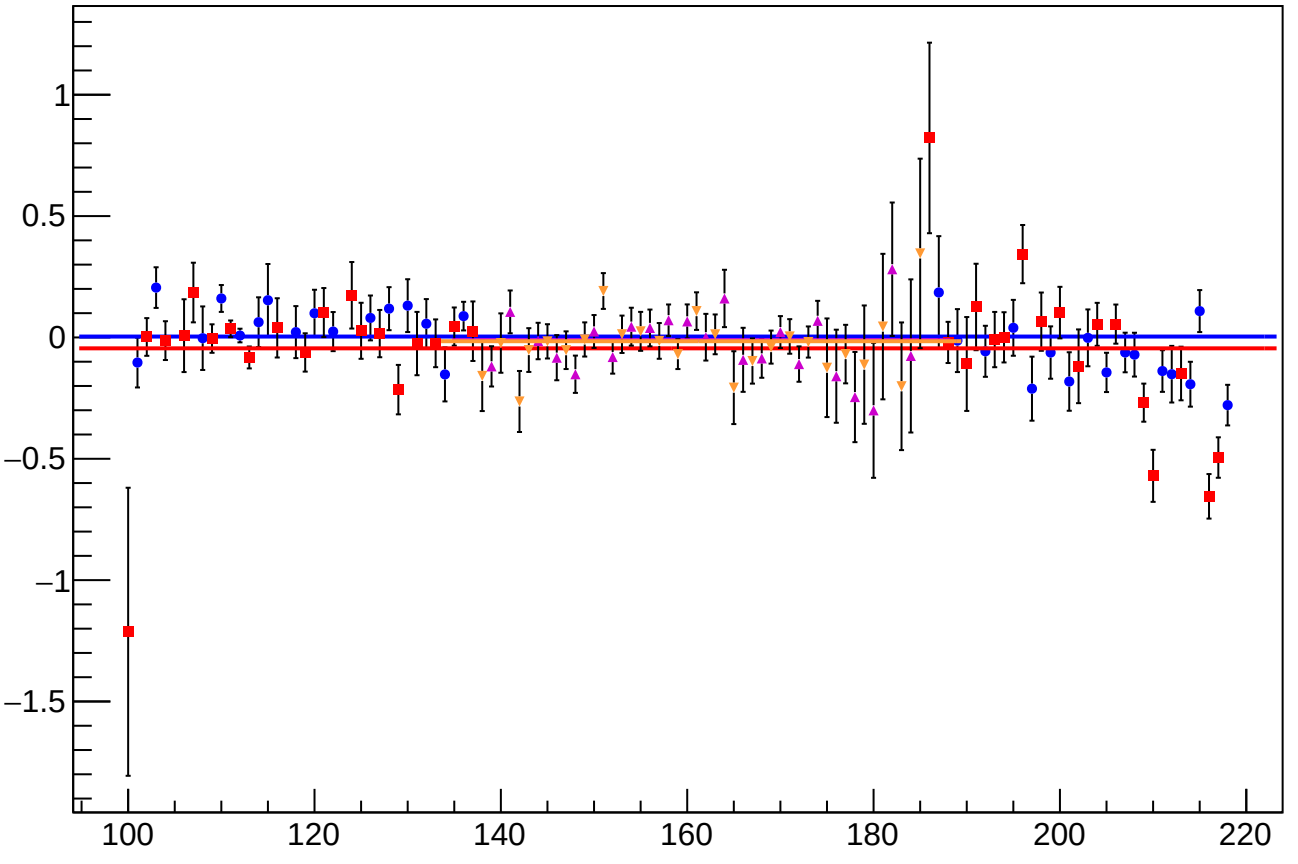
Right Out: 58.908+/-0.010 χ^2/NDF: 7277562.8/35

Left In: 72.298+/-0.013 χ^2/NDF:2790214.3/22

+ sign 63.115+/-0.008 χ^2/NDF: 13066308.7/56

All: 63.637+/-0.006 χ^2/NDF: 23795717.7/115

- sign 64.172+/-0.008 χ^2/NDF: 10720782.2/58



Right In: 0.004+/-0.015 χ^2/NDF: 58.4/31

Left Out: -0.016+/-0.018 χ^2/NDF:21.6/24

Right Out: -0.045+/-0.015 χ^2/NDF: 154.0/35

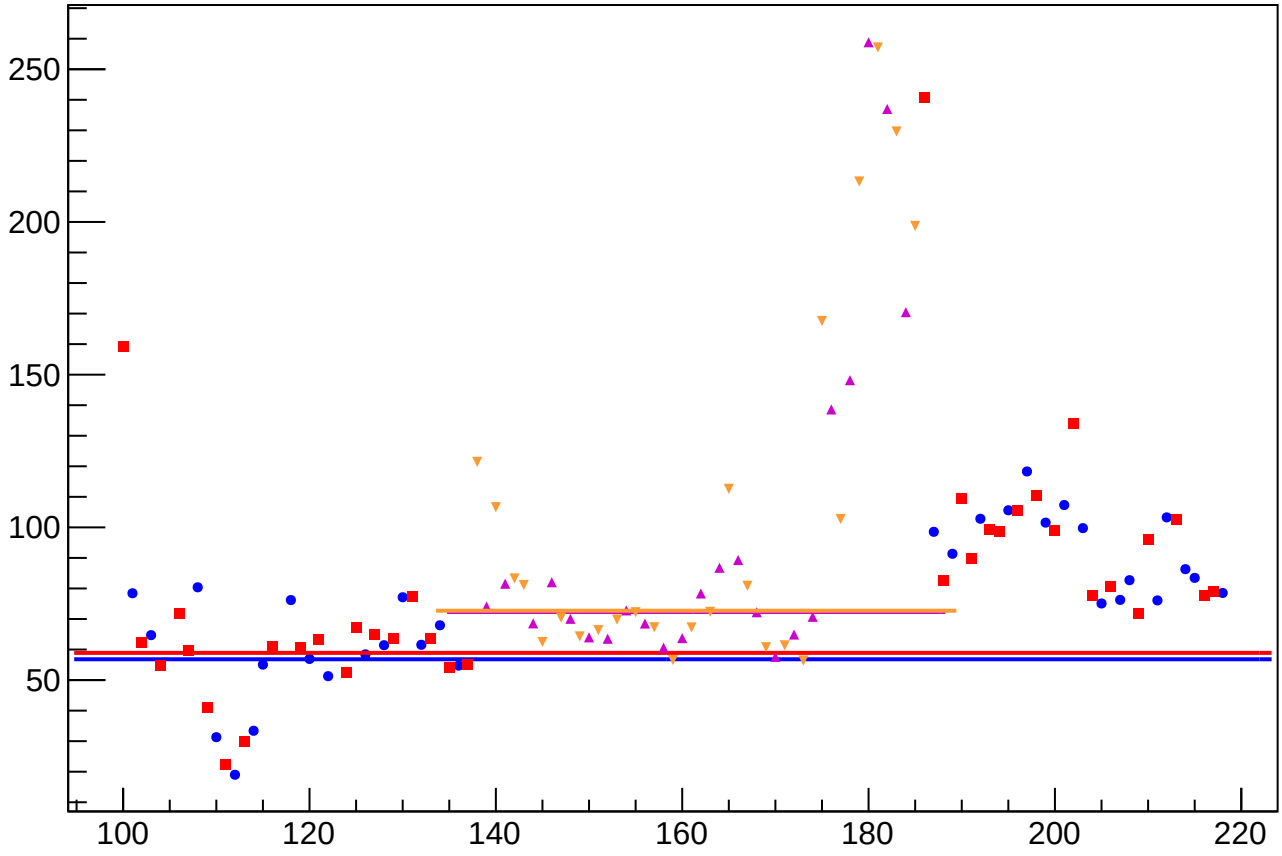
Left In: -0.011+/-0.018 χ^2/NDF:23.3/22

+ sign -0.004+/-0.011 χ^2/NDF: 80.7/56

All: -0.018+/-0.008 χ^2/NDF: 263.1/115

- sign -0.032+/-0.011 χ^2/NDF: 179.4/58

asym_sam_48_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 56.816+/-0.010 χ^2/NDF: 8158905.2/31

Left Out: 72.715+/-0.013 χ^2/NDF:3961158.6/24

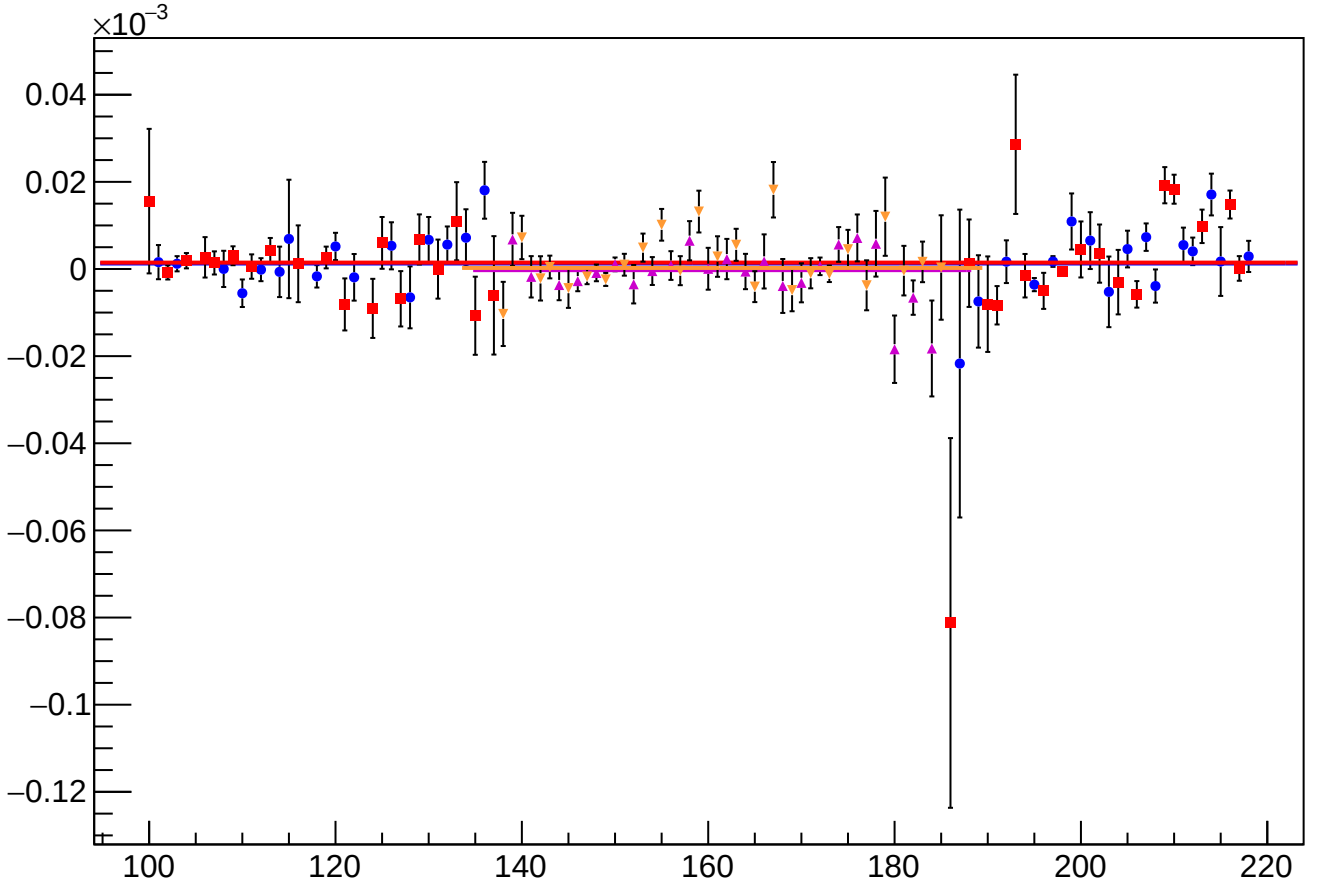
Right Out: 58.908+/-0.010 χ^2/NDF: 7277562.8/35

Left In: 72.298+/-0.013 χ^2/NDF:2790214.3/22

+ sign 63.115+/-0.008 χ^2/NDF: 13066308.7/56

All: 63.637+/-0.006 χ^2/NDF: 23795717.7/115

- sign 64.172+/-0.008 χ^2/NDF: 10720782.2/58



Right In: 0.000+/-0.000 χ^2/NDF: 54.1/31

Left Out: 0.000+/-0.000 χ^2/NDF:43.4/24

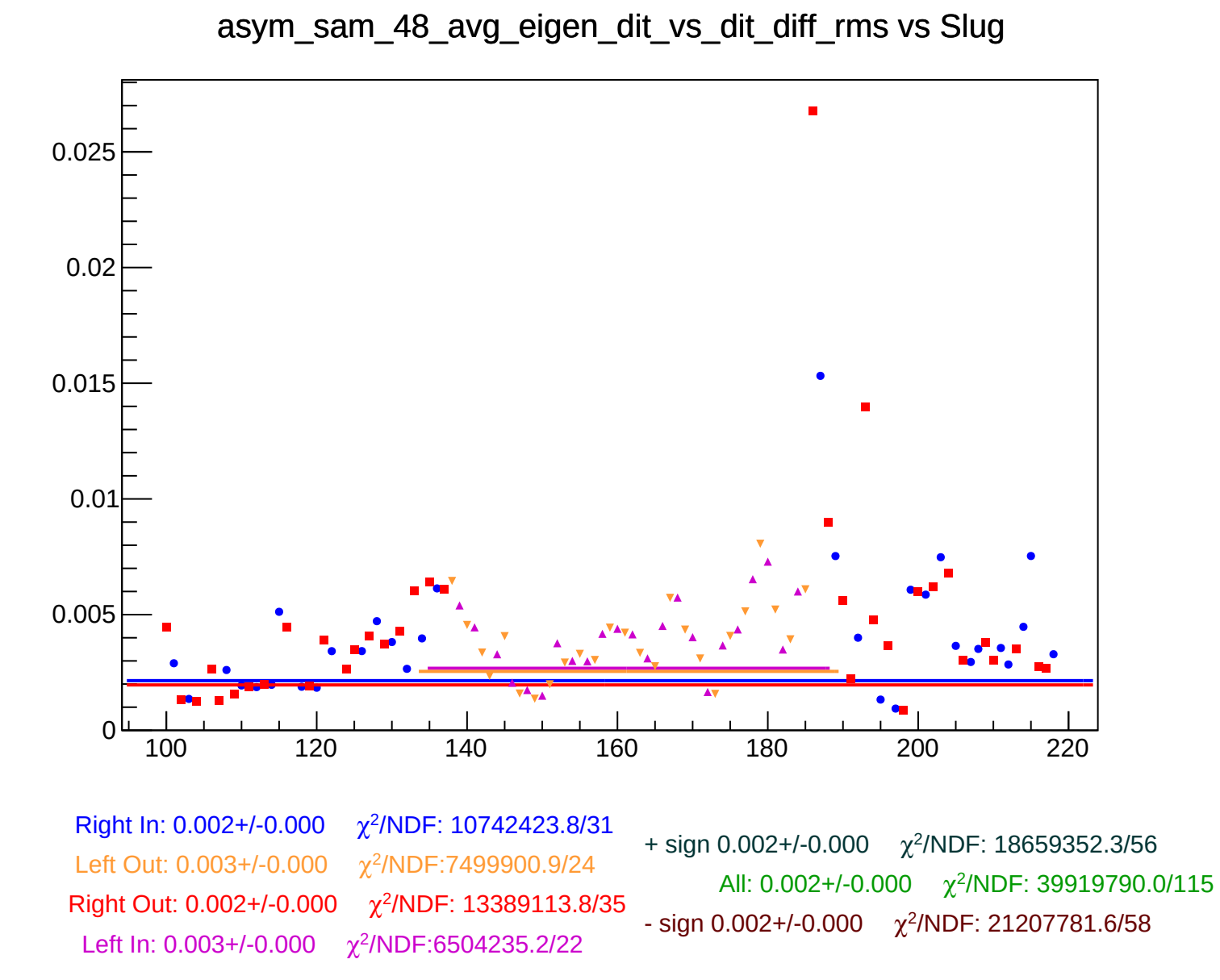
Right Out: 0.000+/-0.000 χ^2/NDF: 108.1/35

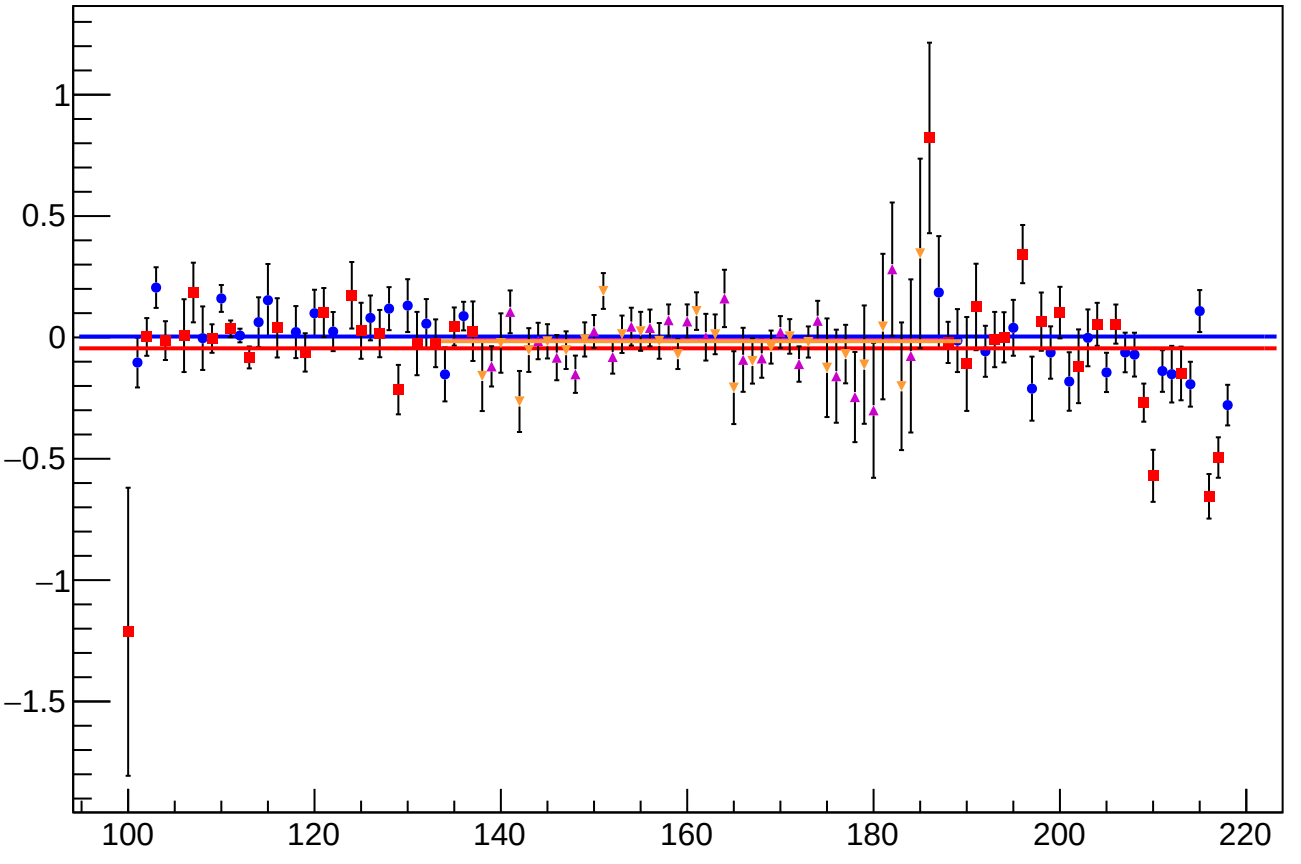
Left In: -0.000+/-0.000 χ^2/NDF:24.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 98.8/56

All: 0.000+/-0.000 χ^2/NDF: 234.8/115

- sign 0.000+/-0.000 χ^2/NDF: 136.0/58


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
200
220
Right In: 0.002+/-0.000 χ²/NDF: 10742423.8/31
Left Out: 0.003+/-0.000 χ²/NDF:7499900.9/24
Right Out: 0.002+/-0.000 χ²/NDF: 13389113.8/35
Left In: 0.003+/-0.000 χ²/NDF:6504235.2/22
+ sign 0.002+/-0.000 χ²/NDF: 18659352.3/56
All: 0.002+/-0.000 χ²/NDF: 39919790.0/115
- sign 0.002+/-0.000 χ²/NDF: 21207781.6/58



Right In: 0.004+/-0.015 χ^2/NDF: 58.4/31

Left Out: -0.016+/-0.018 χ^2/NDF:21.6/24

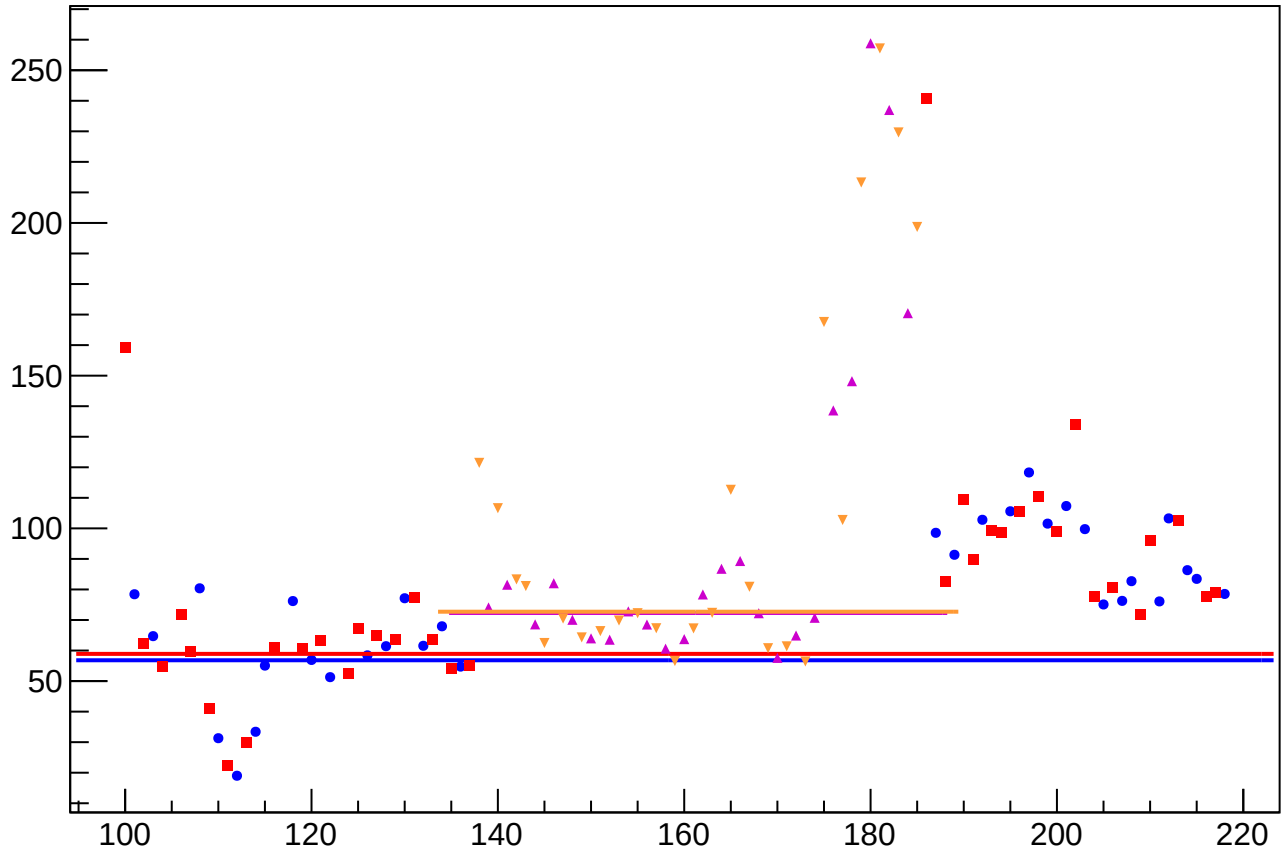
Right Out: -0.045+/-0.015 χ^2/NDF: 154.0/35

Left In: -0.011+/-0.018 χ^2/NDF:23.3/22

+ sign -0.004+/-0.011 χ^2/NDF: 80.7/56

All: -0.018+/-0.008 χ^2/NDF: 263.1/115

- sign -0.032+/-0.011 χ^2/NDF: 179.4/58



Right In: 56.815+/-0.010 χ^2/NDF: 8159200.3/31

Left Out: 72.716+/-0.013 χ^2/NDF:3961100.5/24

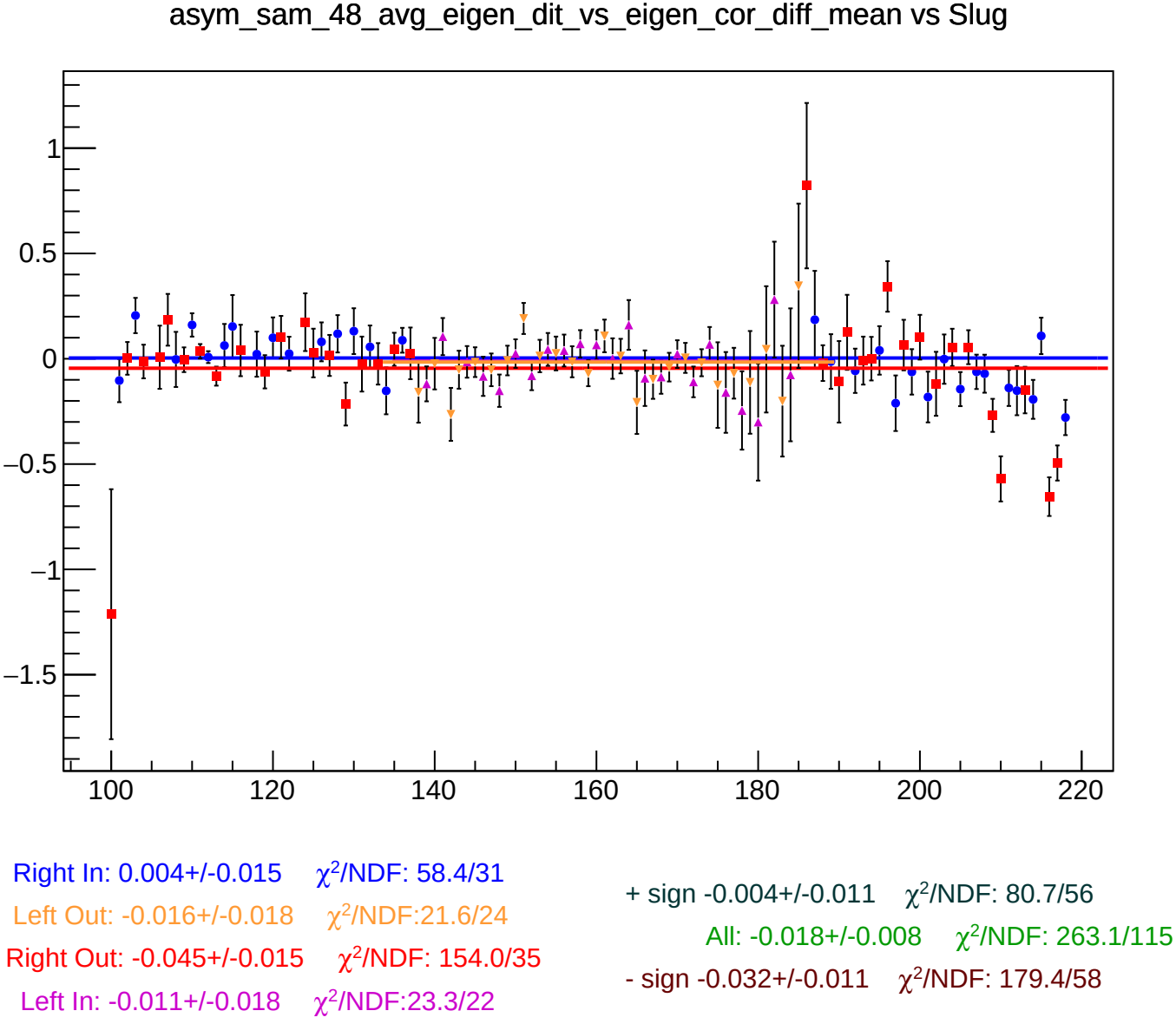
Right Out: 58.907+/-0.010 χ^2/NDF: 7277907.8/35

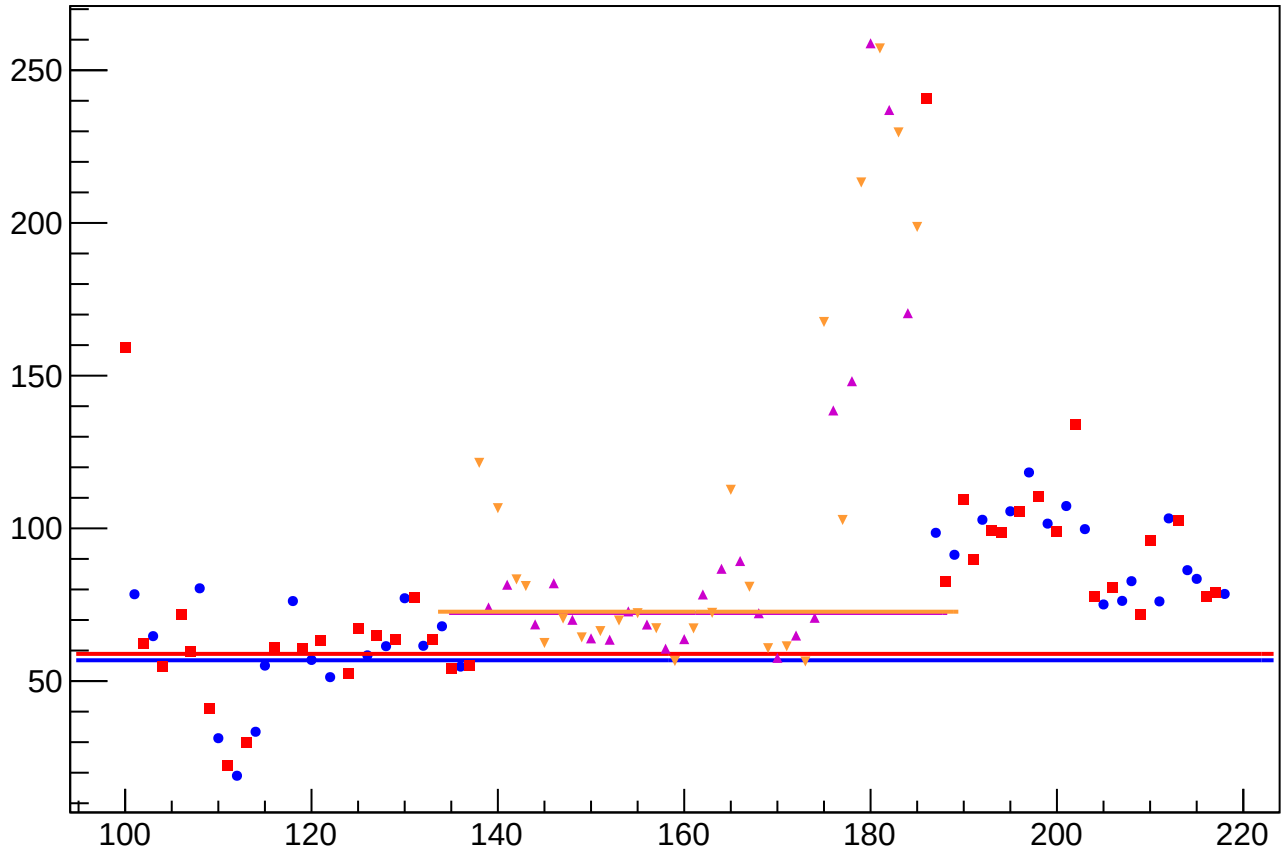
Left In: 72.298+/-0.013 χ^2/NDF:2790146.5/22

+ sign 63.115+/-0.008 χ^2/NDF: 13066733.5/56

All: 63.637+/-0.006 χ^2/NDF: 23796563.7/115

- sign 64.172+/-0.008 χ^2/NDF: 10721202.1/58


asym_sam_48_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug
1
0.5
0
−0.5
−1
−1.5
100
120
140
160
180
200
220
Right In: 0.004+/-0.015 χ²/NDF: 58.4/31
Left Out: -0.016+/-0.018 χ²/NDF:21.6/24
Right Out: -0.045+/-0.015 χ²/NDF: 154.0/35
Left In: -0.011+/-0.018 χ²/NDF:23.3/22
+ sign -0.004+/-0.011 χ²/NDF: 80.7/56
All: -0.018+/-0.008 χ²/NDF: 263.1/115
- sign -0.032+/-0.011 χ²/NDF: 179.4/58



Right In: 56.815+/-0.010 χ^2/NDF: 8159200.3/31

Left Out: 72.716+/-0.013 χ^2/NDF:3961100.5/24

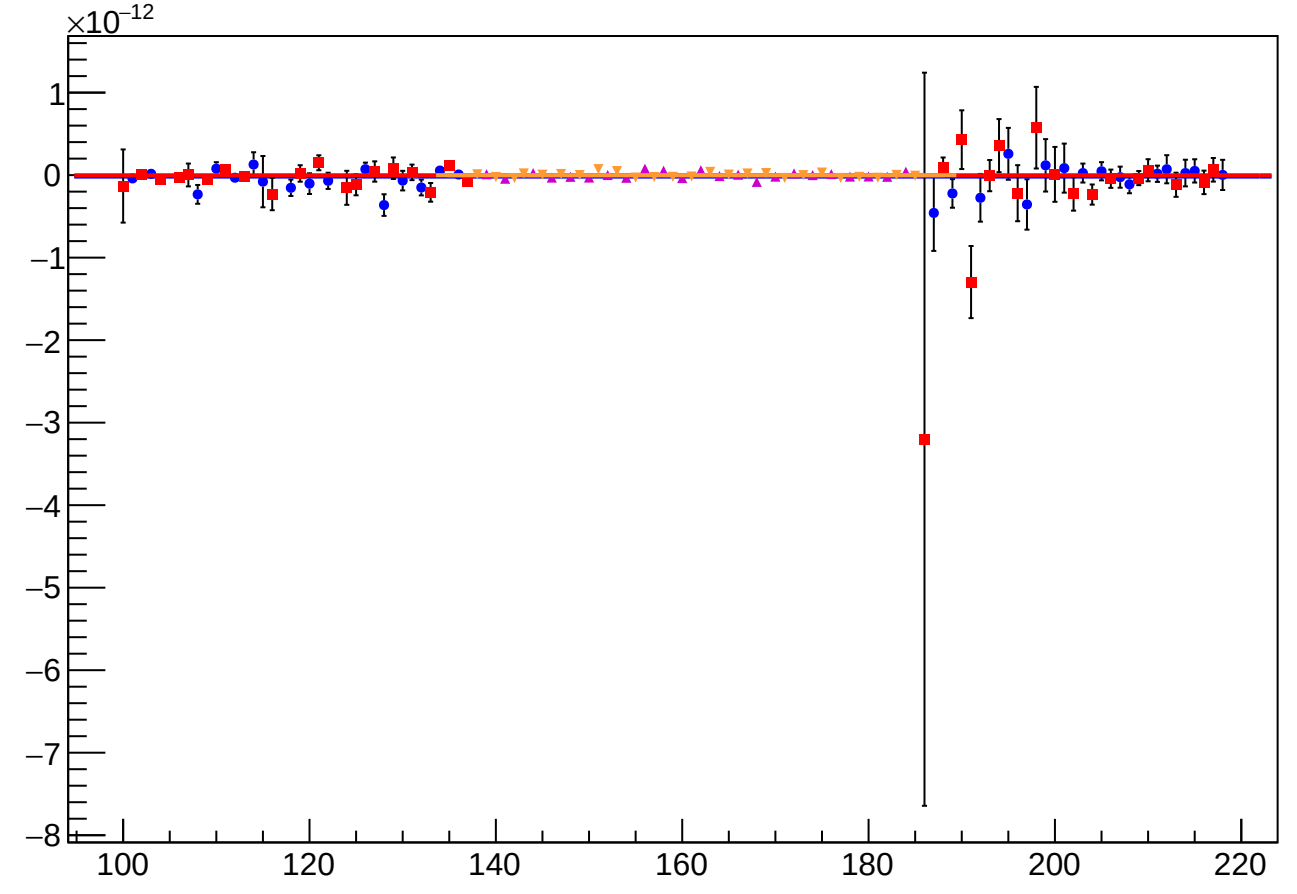
Right Out: 58.907+/-0.010 χ^2/NDF: 7277907.8/35

Left In: 72.298+/-0.013 χ^2/NDF:2790146.5/22

+ sign 63.115+/-0.008 χ^2/NDF: 13066733.5/56

All: 63.637+/-0.006 χ^2/NDF: 23796563.7/115

- sign 64.172+/-0.008 χ^2/NDF: 10721202.1/58



Right In: -0.000+/-0.000 χ^2/NDF: 30.3/31

Left Out: -0.000+/-0.000 χ^2/NDF:27.9/24

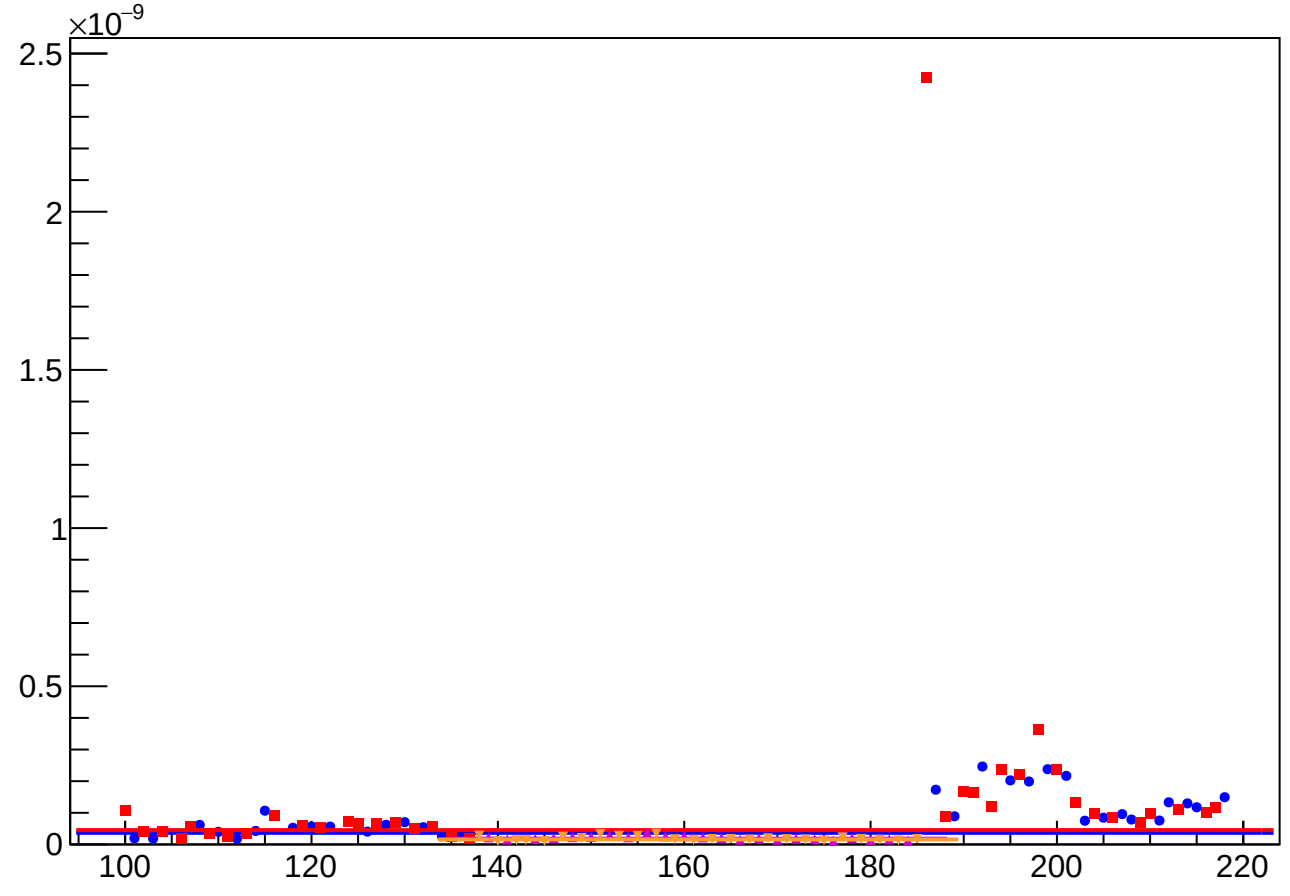
Right Out: -0.000+/-0.000 χ^2/NDF: 44.5/35

Left In: -0.000+/-0.000 χ^2/NDF:38.3/22

+ sign -0.000+/-0.000 χ^2/NDF: 59.7/56

All: -0.000+/-0.000 χ^2/NDF: 142.7/115

- sign -0.000+/-0.000 χ^2/NDF: 82.9/58



Right In: 0.000+/-0.000 χ^2/NDF: 11043492.1/31

Left Out: 0.000+/-0.000 χ^2/NDF:2331257.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9408381.6/35

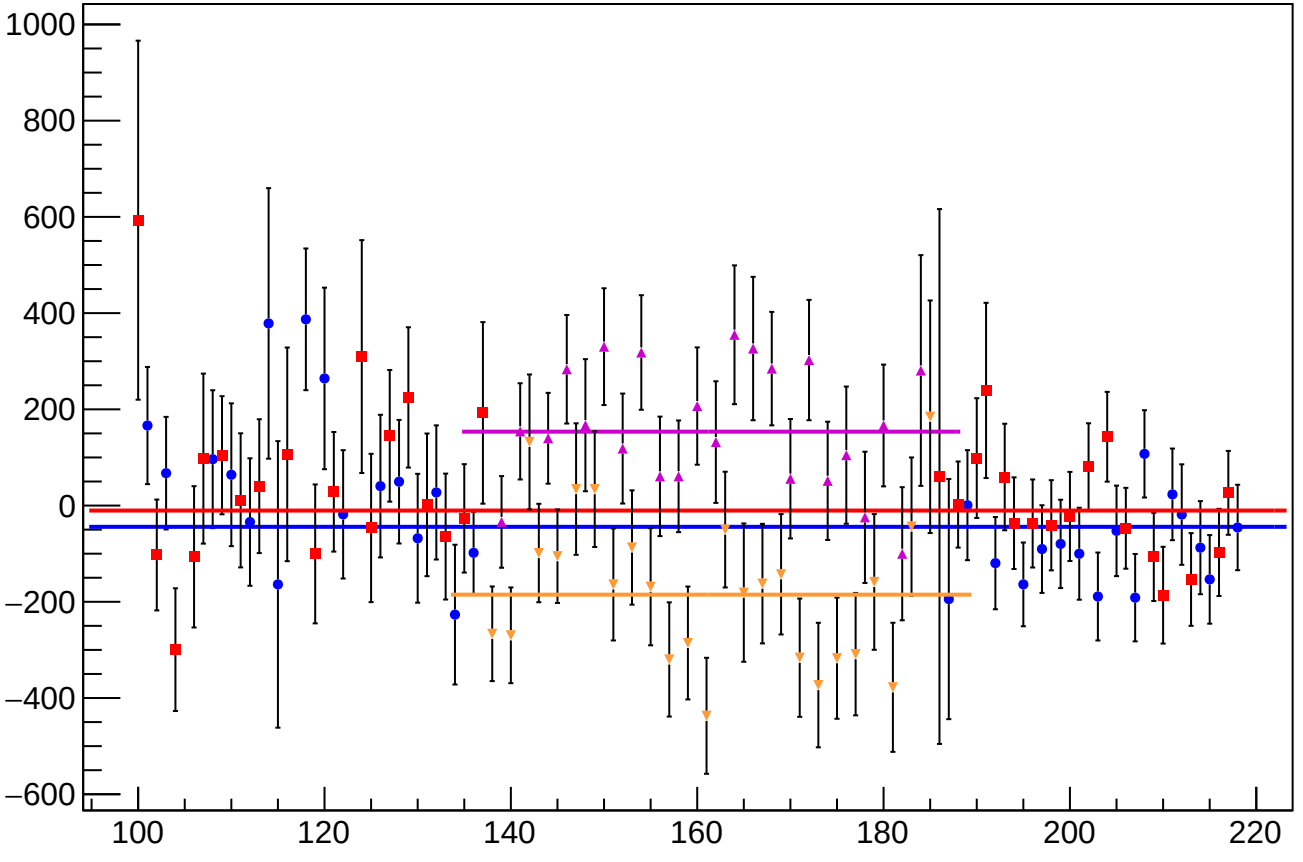
Left In: 0.000+/-0.000 χ^2/NDF:1621439.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 17679917.4/56

All: 0.000+/-0.000 χ^2/NDF: 34724280.8/115

- sign 0.000+/-0.000 χ^2/NDF: 16643279.8/58

reg_asym_sam_15_dd_mean vs Slug



Right In: -44.183+/-19.785 χ^2/NDF: 36.1/31

Left Out: -185.146+/-24.452 χ^2/NDF:33.1/24

Right Out: -10.354+/-19.547 χ^2/NDF: 32.8/35

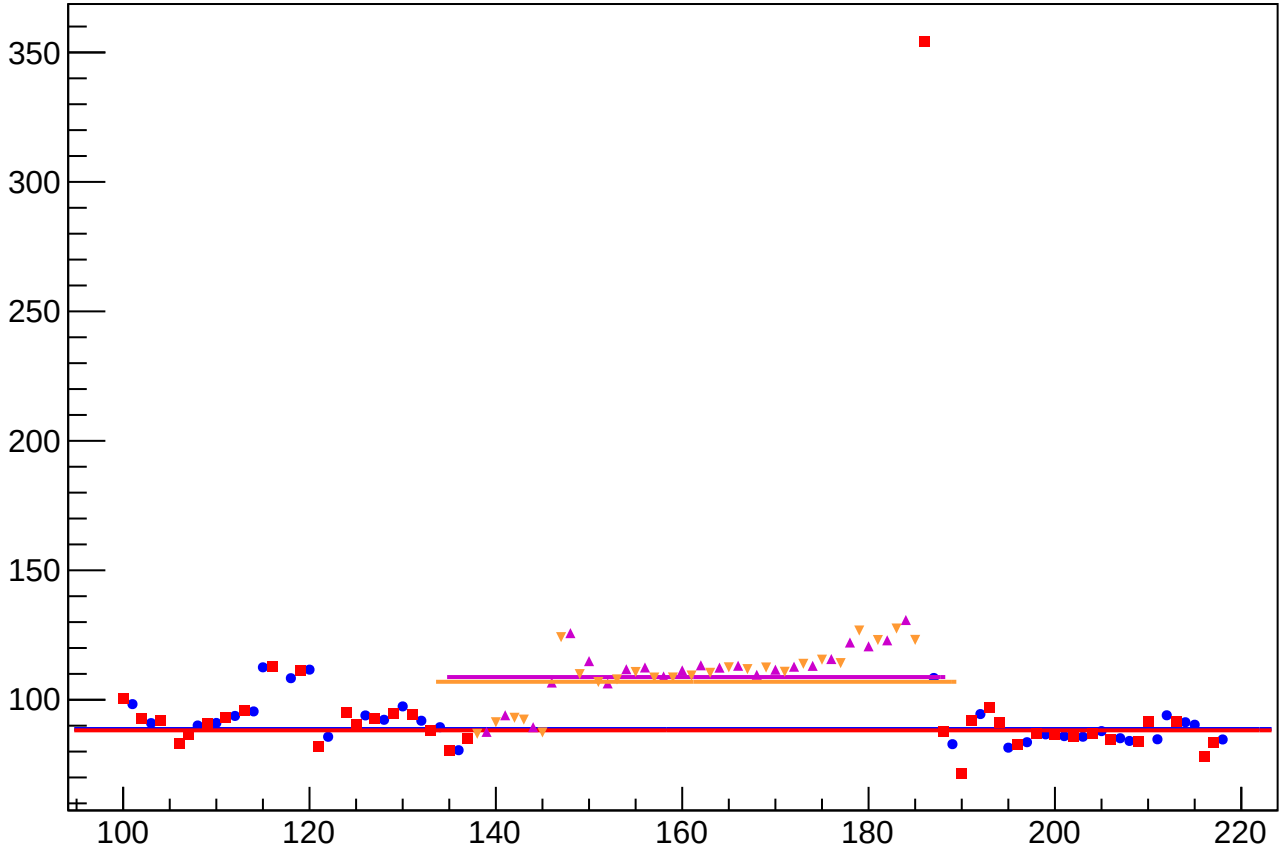
Left In: 153.627+/-25.538 χ^2/NDF:23.5/22

+ sign -99.955+/-15.381 χ^2/NDF: 89.3/56

All: -25.552+/-10.925 χ^2/NDF: 218.8/115

- sign 50.225+/-15.522 χ^2/NDF: 82.3/58

reg_asym_sam_15_dd_rms vs Slug



Right In: 88.707+/-0.014 χ^2/NDF: 201784.1/31

Left Out: 106.954+/-0.017 χ^2/NDF:464271.3/24

Right Out: 88.203+/-0.014 χ^2/NDF: 687295.2/35

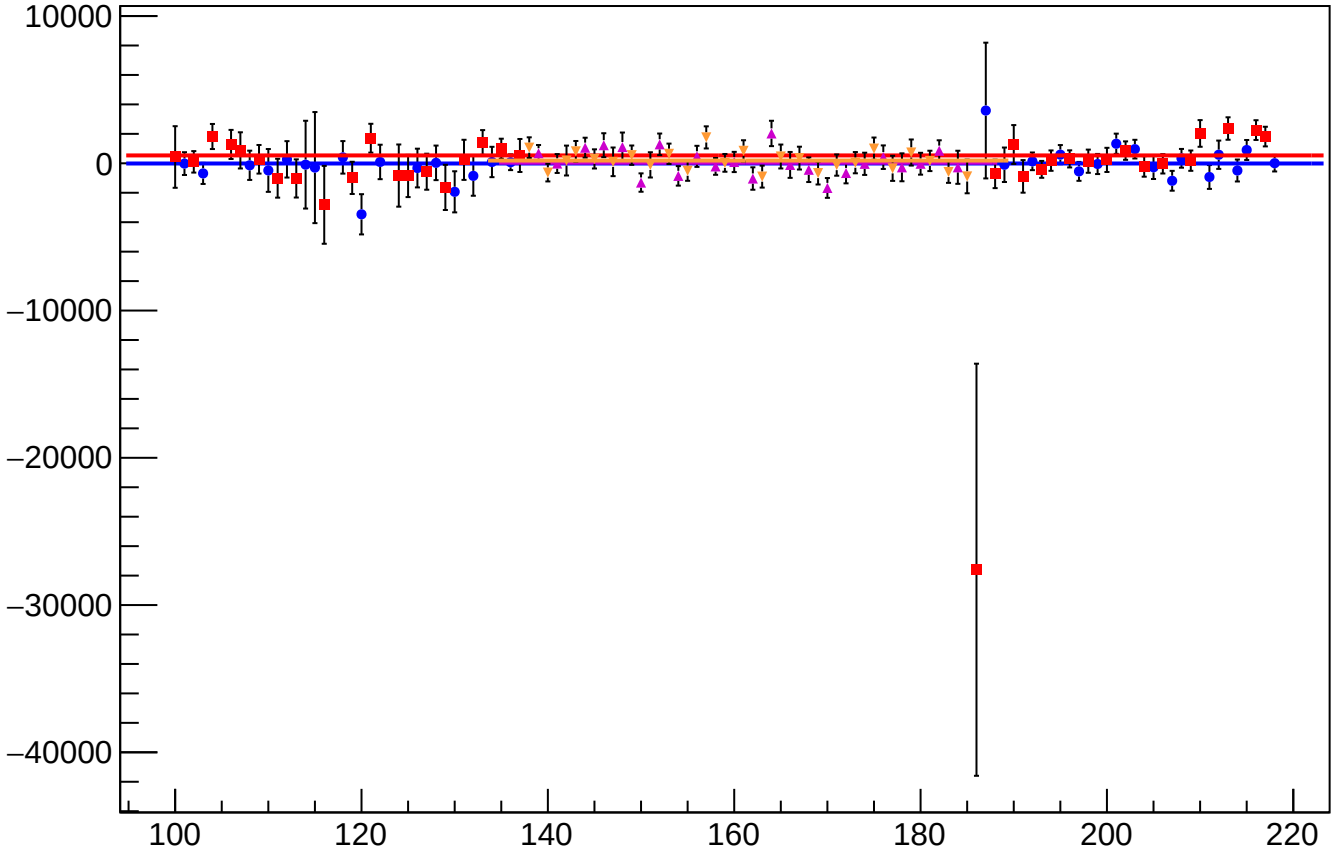
Left In: 108.781+/-0.018 χ^2/NDF:358436.3/22

\+ sign 95.926+/-0.011 χ^2/NDF: 1339130.3/56

All: 95.866+/-0.008 χ^2/NDF: 3203753.1/115

\- sign 95.805+/-0.011 χ^2/NDF: 1864560.8/58

asym_sam_15_dd_reg_correction_mean vs Slug



Right In: -13.157+/-147.559 χ^2/NDF: 25.7/31

Left Out: 186.456+/-148.819 χ^2/NDF:19.1/24

Right Out: 535.047+/-147.034 χ^2/NDF: 49.4/35

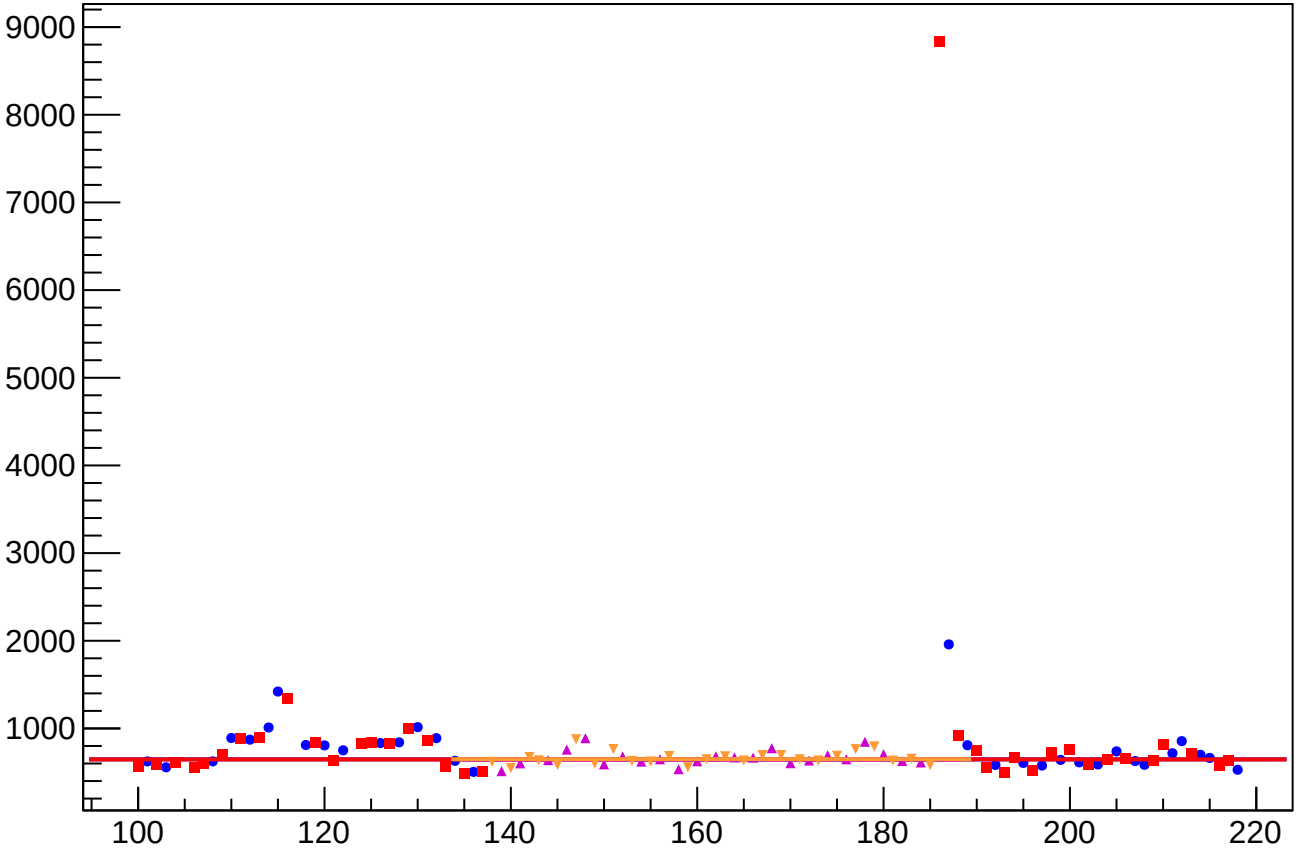
Left In: 43.249+/-152.059 χ^2/NDF:33.7/22

+ sign 85.801+/-104.783 χ^2/NDF: 45.7/56

All: 190.681+/-74.415 χ^2/NDF: 136.2/115

- sign 297.408+/-105.701 χ^2/NDF: 88.5/58

asym_sam_15_dd_reg_correction_rms vs Slug



Right In: 647.502+/-0.104 χ^2/NDF: 1329209.2/31

Left Out: 649.189+/-0.105 χ^2/NDF:418364.7/24

Right Out: 646.691+/-0.104 χ^2/NDF: 2080829.2/35

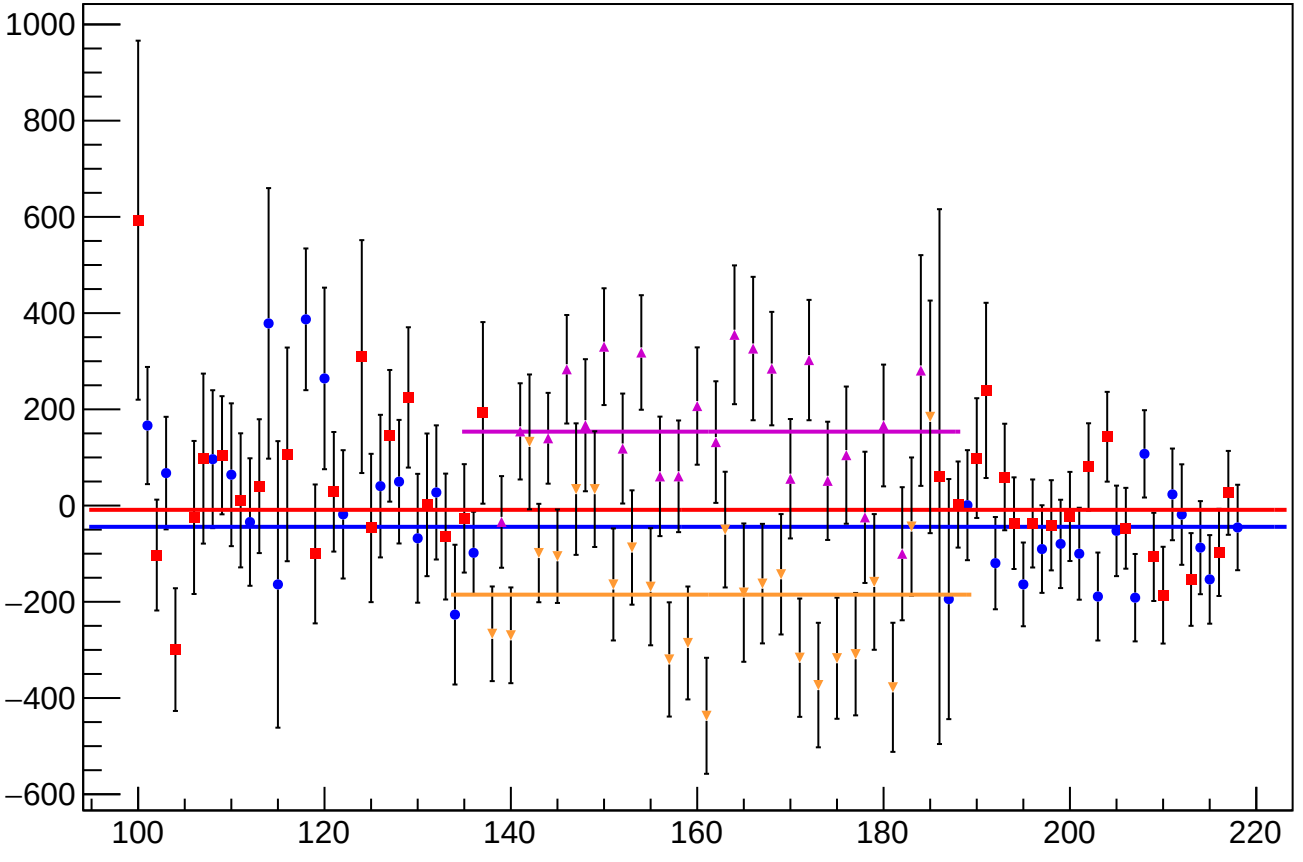
Left In: 644.072+/-0.108 χ^2/NDF:559119.9/22

+ sign 648.338+/-0.074 χ^2/NDF: 1747703.4/56

All: 646.895+/-0.053 χ^2/NDF: 4388725.1/115

- sign 645.426+/-0.075 χ^2/NDF: 2640255.7/58

cor_asym_sam_15_dd_mean vs Slug



Right In: -44.182+/-19.785 χ^2/NDF: 36.1/31

Left Out: -185.148+/-24.452 χ^2/NDF:33.0/24

Right Out: -8.861+/-19.573 χ^2/NDF: 32.3/35

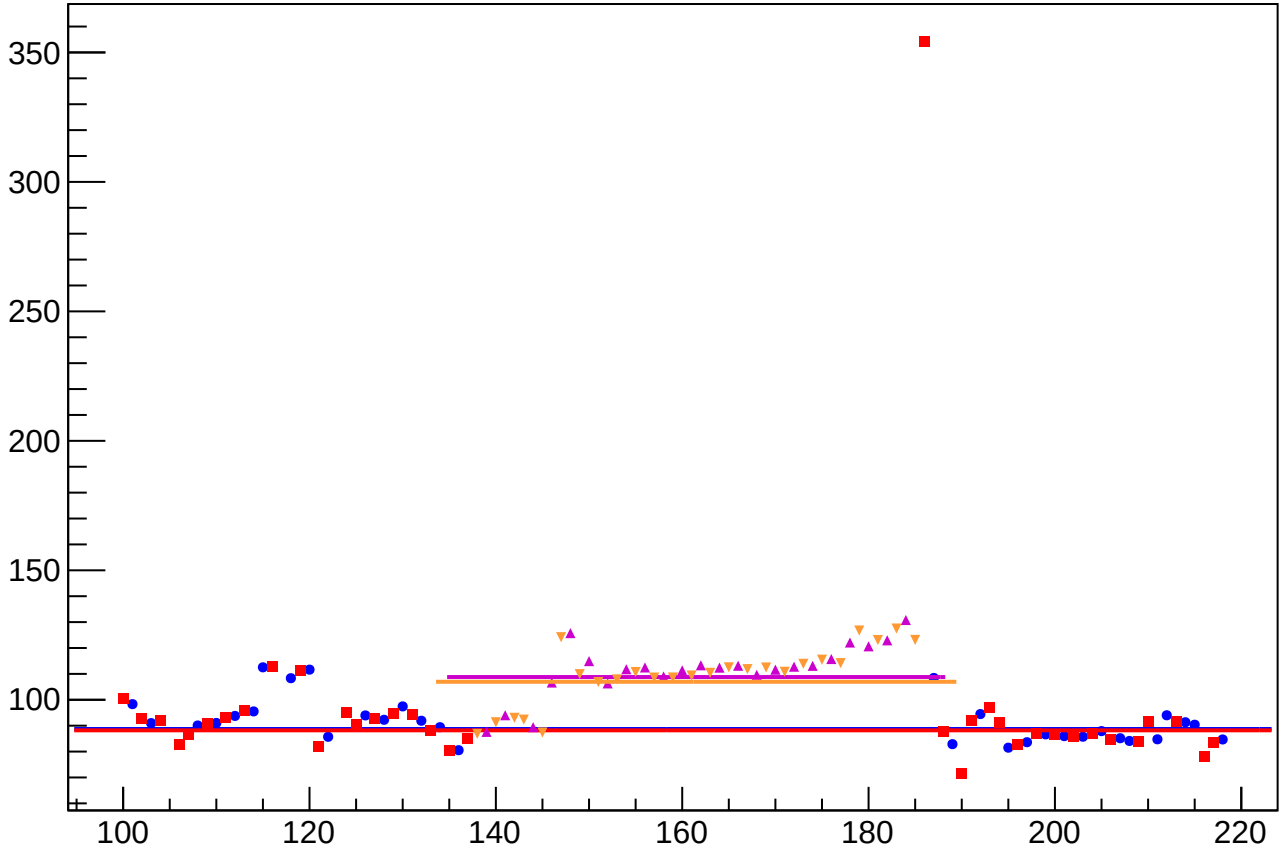
Left In: 153.632+/-25.538 χ^2/NDF:23.5/22

+ sign -99.956+/-15.381 χ^2/NDF: 89.3/56

All: -25.098+/-10.930 χ^2/NDF: 218.5/115

- sign 51.268+/-15.535 χ^2/NDF: 81.4/58

cor_asym_sam_15_dd_rms vs Slug



Right In: 88.707+/-0.014 χ^2/NDF: 201784.2/31

Left Out: 106.954+/-0.017 χ^2/NDF:464271.4/24

Right Out: 88.208+/-0.014 χ^2/NDF: 687409.3/35

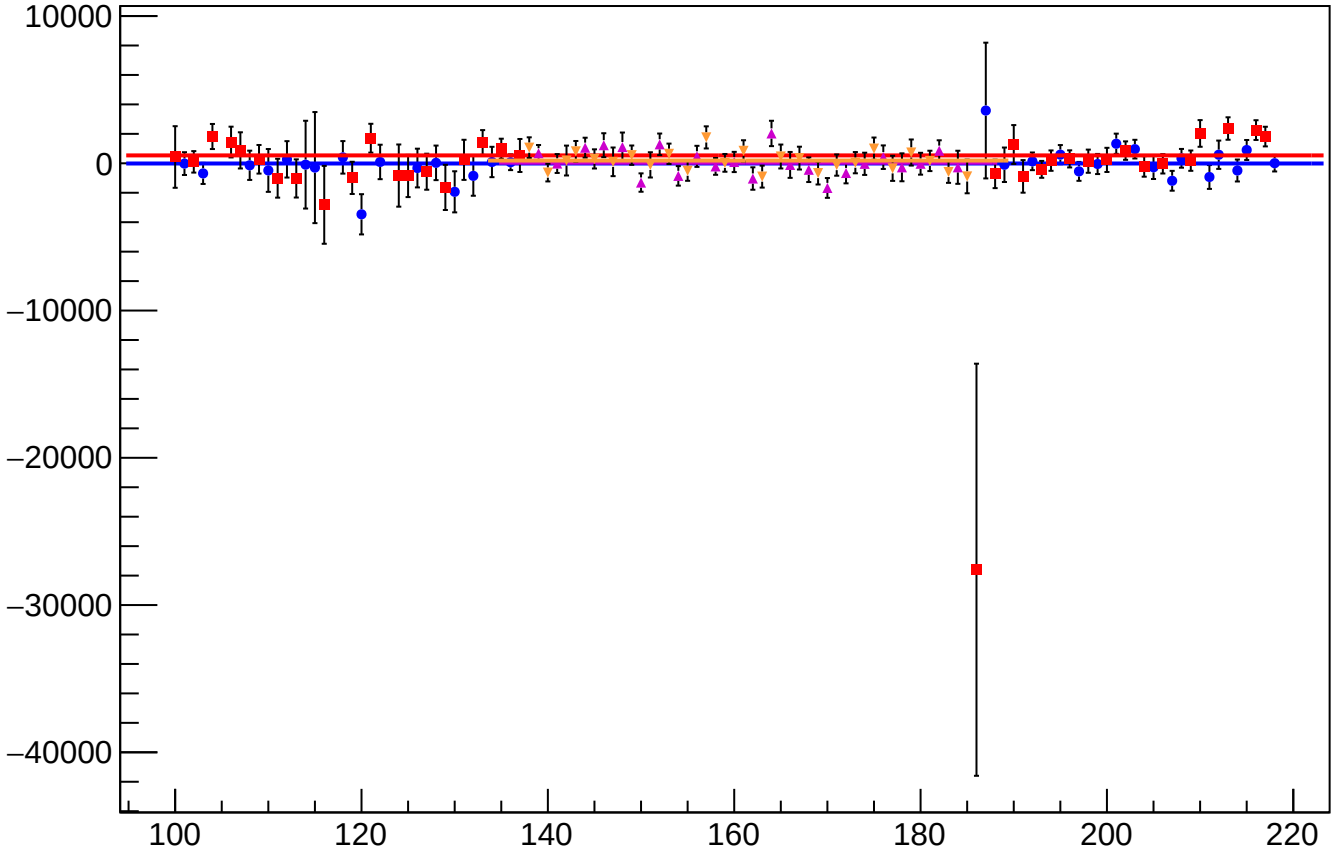
Left In: 108.781+/-0.018 χ^2/NDF:358436.4/22

\+ sign 95.926+/-0.011 χ^2/NDF: 1339130.4/56

All: 95.874+/-0.008 χ^2/NDF: 3202667.2/115

\- sign 95.820+/-0.011 χ^2/NDF: 1863489.8/58

asym_sam_15_dd_cor_correction_mean vs Slug



Right In: -13.161+/-147.559 χ^2/NDF: 25.7/31

Left Out: 186.450+/-148.819 χ^2/NDF:19.1/24

Right Out: 536.538+/-147.204 χ^2/NDF: 49.5/35

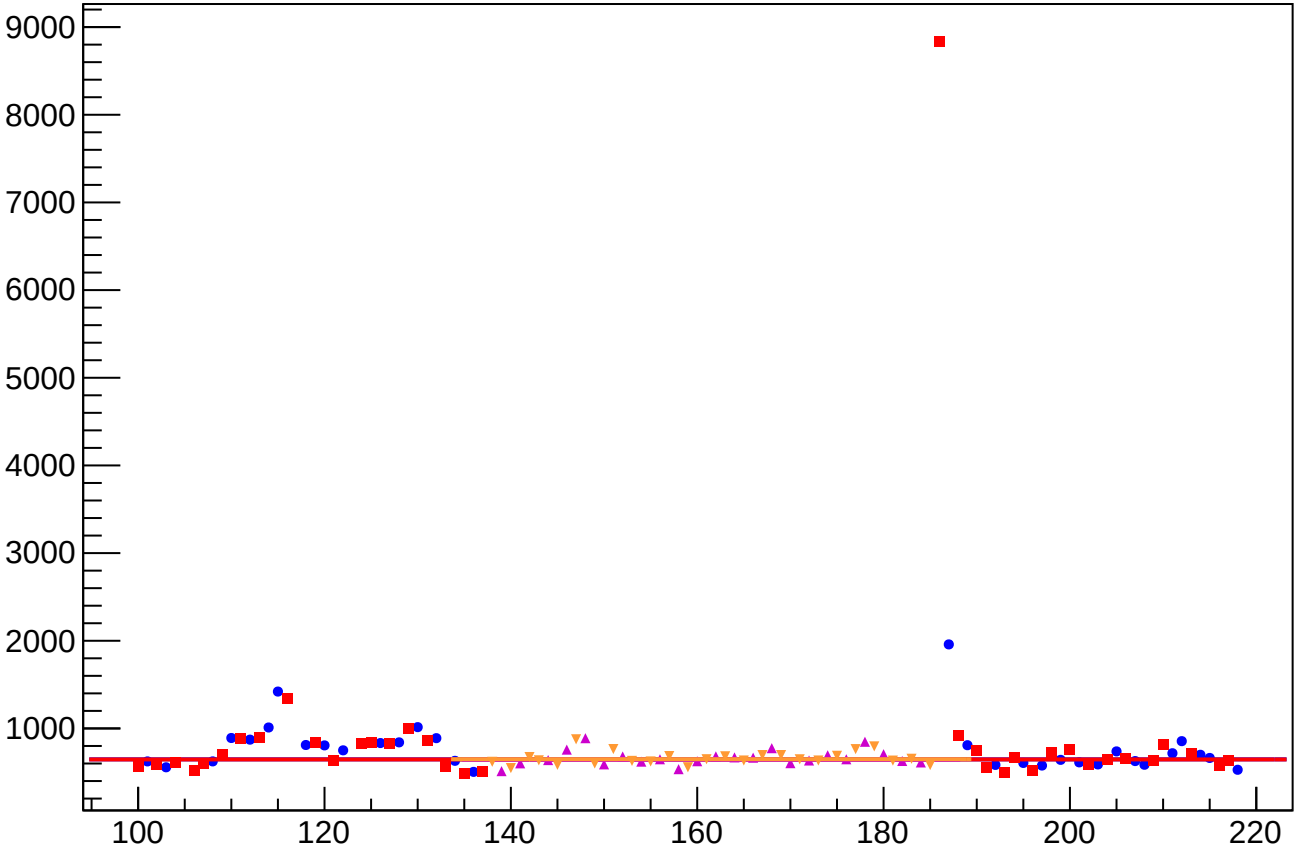
Left In: 43.251+/-152.059 χ^2/NDF:33.7/22

+ sign 85.796+/-104.783 χ^2/NDF: 45.7/56

All: 190.857+/-74.437 χ^2/NDF: 136.4/115

- sign 297.895+/-105.764 χ^2/NDF: 88.7/58

asym_sam_15_dd_cor_correction_rms vs Slug



Right In: 647.502+/-0.104 χ^2/NDF: 1329208.7/31

Left Out: 649.189+/-0.105 χ^2/NDF:418365.4/24

Right Out: 646.359+/-0.104 χ^2/NDF: 2090132.3/35

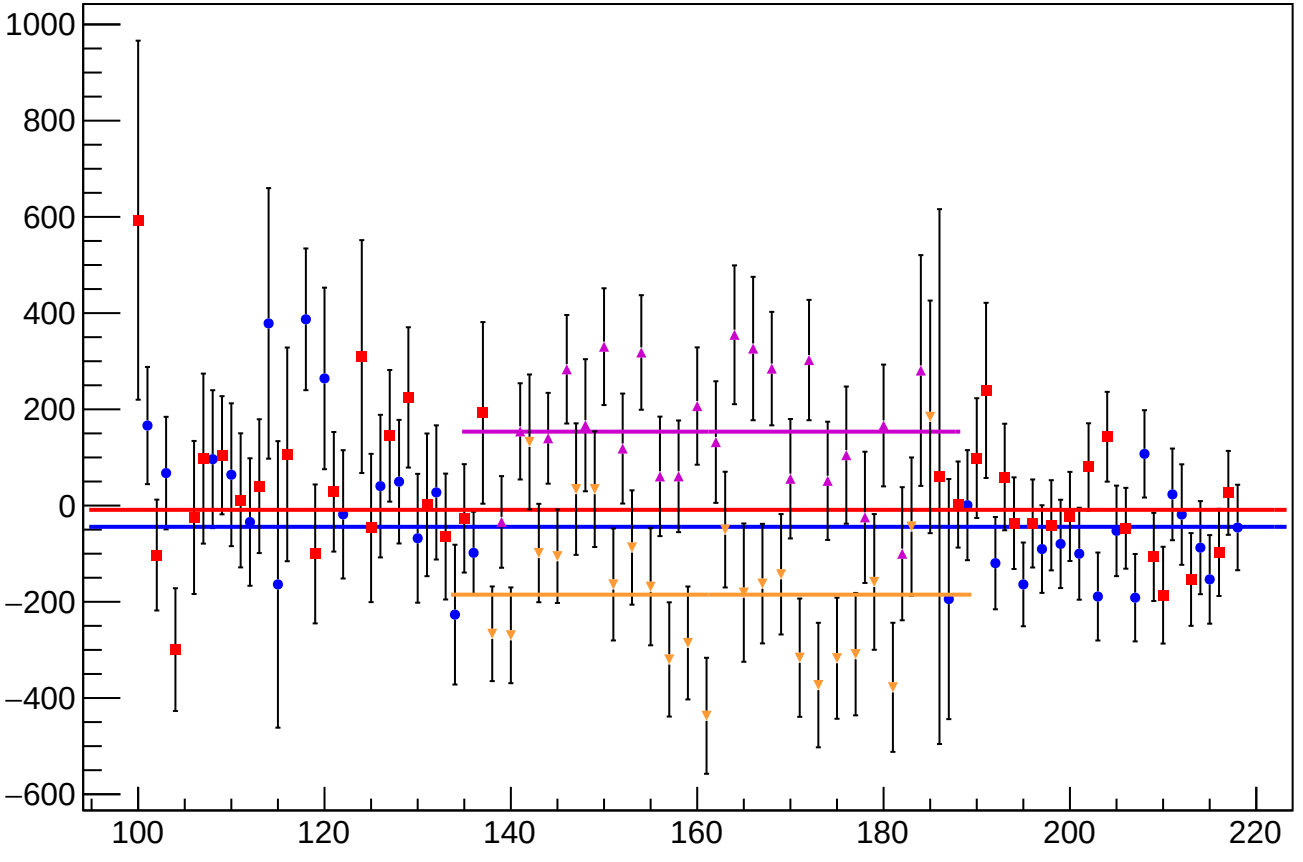
Left In: 644.072+/-0.108 χ^2/NDF:559121.0/22

+ sign 648.339+/-0.074 χ^2/NDF: 1747703.6/56

All: 646.810+/-0.053 χ^2/NDF: 4398049.6/115

- sign 645.253+/-0.075 χ^2/NDF: 2649486.9/58

eigen_cor_asym_sam_15_dd_mean vs Slug



Right In: -44.182+/-19.785 χ^2/NDF: 36.1/31

Left Out: -185.148+/-24.452 χ^2/NDF:33.0/24

Right Out: -8.861+/-19.573 χ^2/NDF: 32.3/35

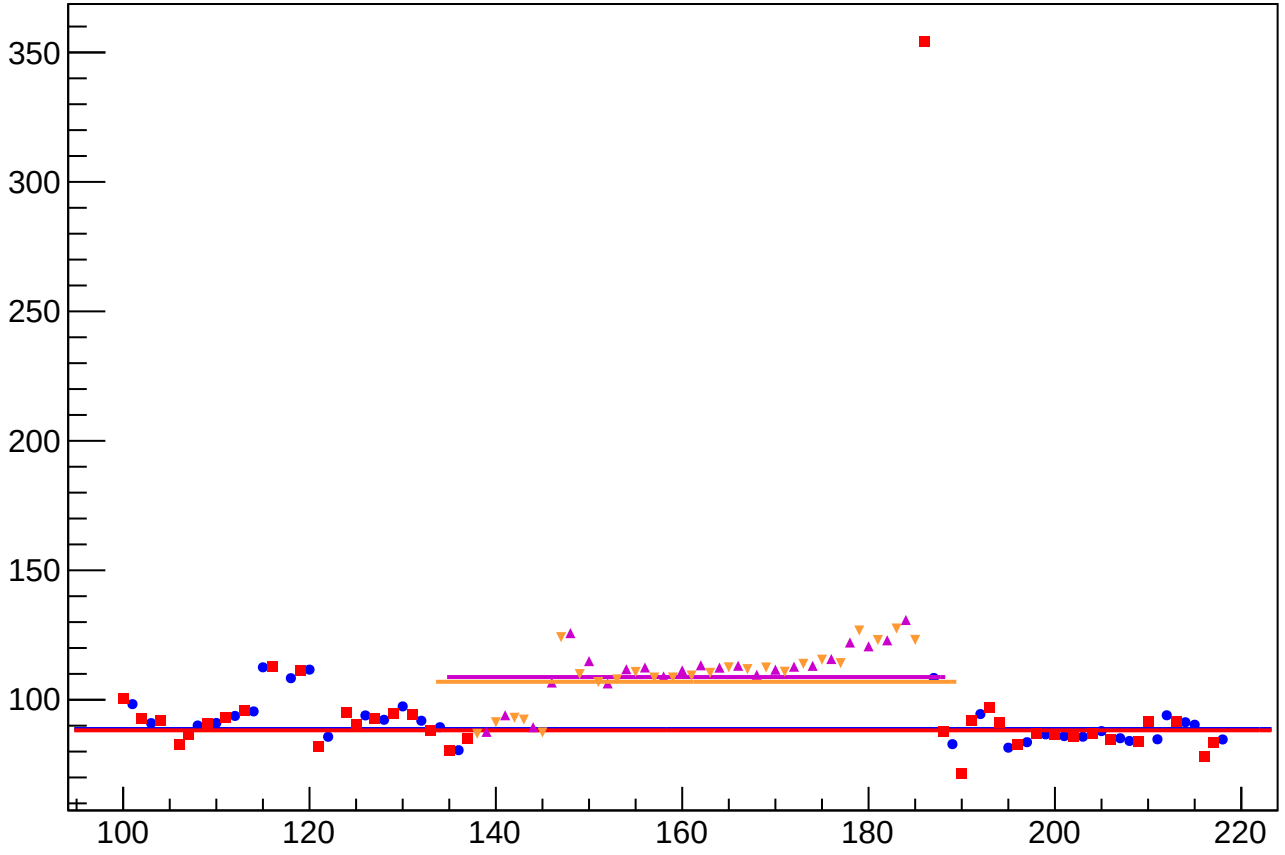
Left In: 153.632+/-25.538 χ^2/NDF:23.5/22

+ sign -99.956+/-15.381 χ^2/NDF: 89.3/56

All: -25.098+/-10.930 χ^2/NDF: 218.5/115

- sign 51.268+/-15.535 χ^2/NDF: 81.4/58

eigen_cor_asym_sam_15_dd_rms vs Slug



Right In: 88.707+/-0.014 χ^2/NDF: 201784.2/31

Left Out: 106.954+/-0.017 χ^2/NDF:464271.4/24

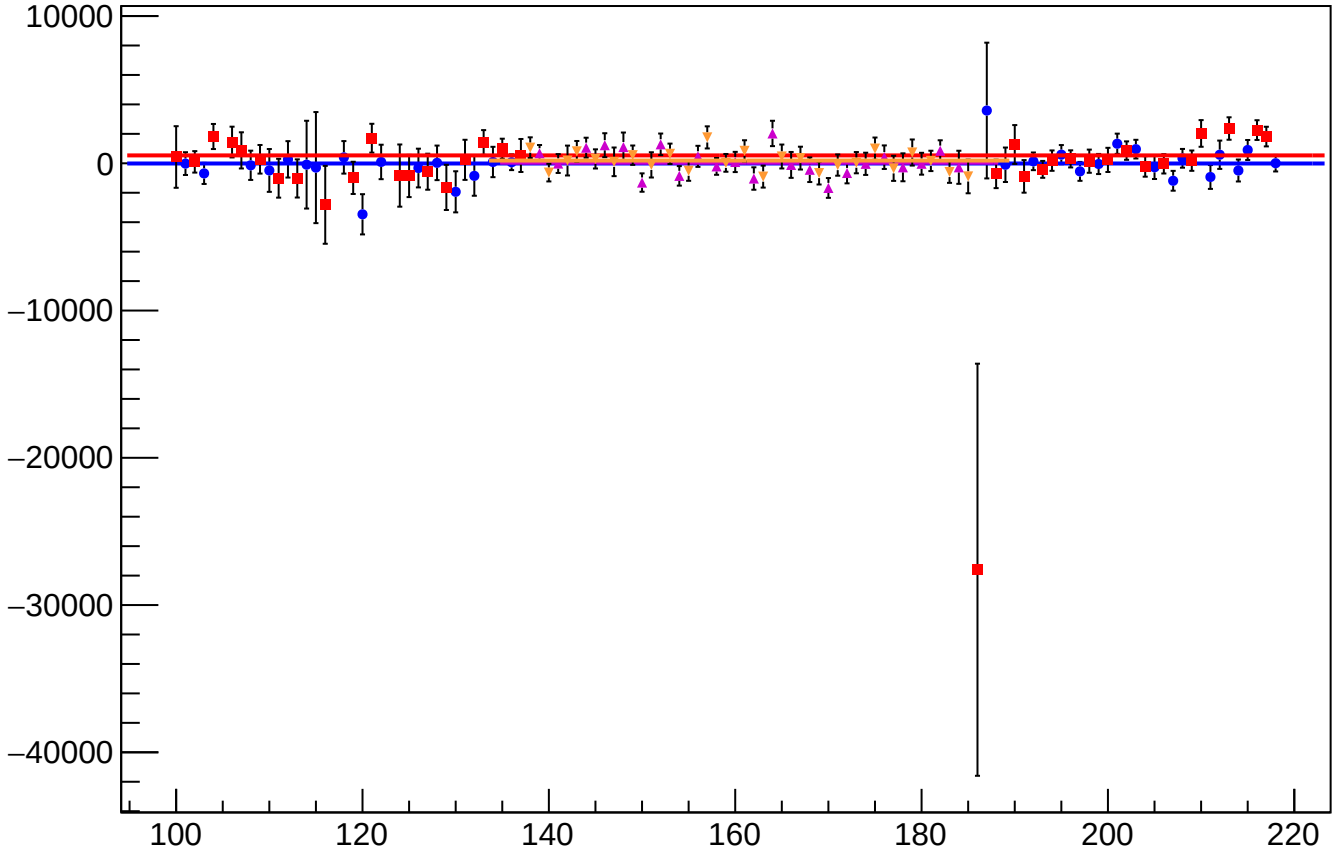
Right Out: 88.208+/-0.014 χ^2/NDF: 687409.3/35

Left In: 108.781+/-0.018 χ^2/NDF:358436.4/22

\+ sign 95.926+/-0.011 χ^2/NDF: 1339130.4/56

All: 95.874+/-0.008 χ^2/NDF: 3202667.2/115

\- sign 95.820+/-0.011 χ^2/NDF: 1863489.8/58



Right In: -13.161+/-147.559 χ^2/NDF: 25.7/31

Left Out: 186.450+/-148.819 χ^2/NDF:19.1/24

Right Out: 536.538+/-147.204 χ^2/NDF: 49.5/35

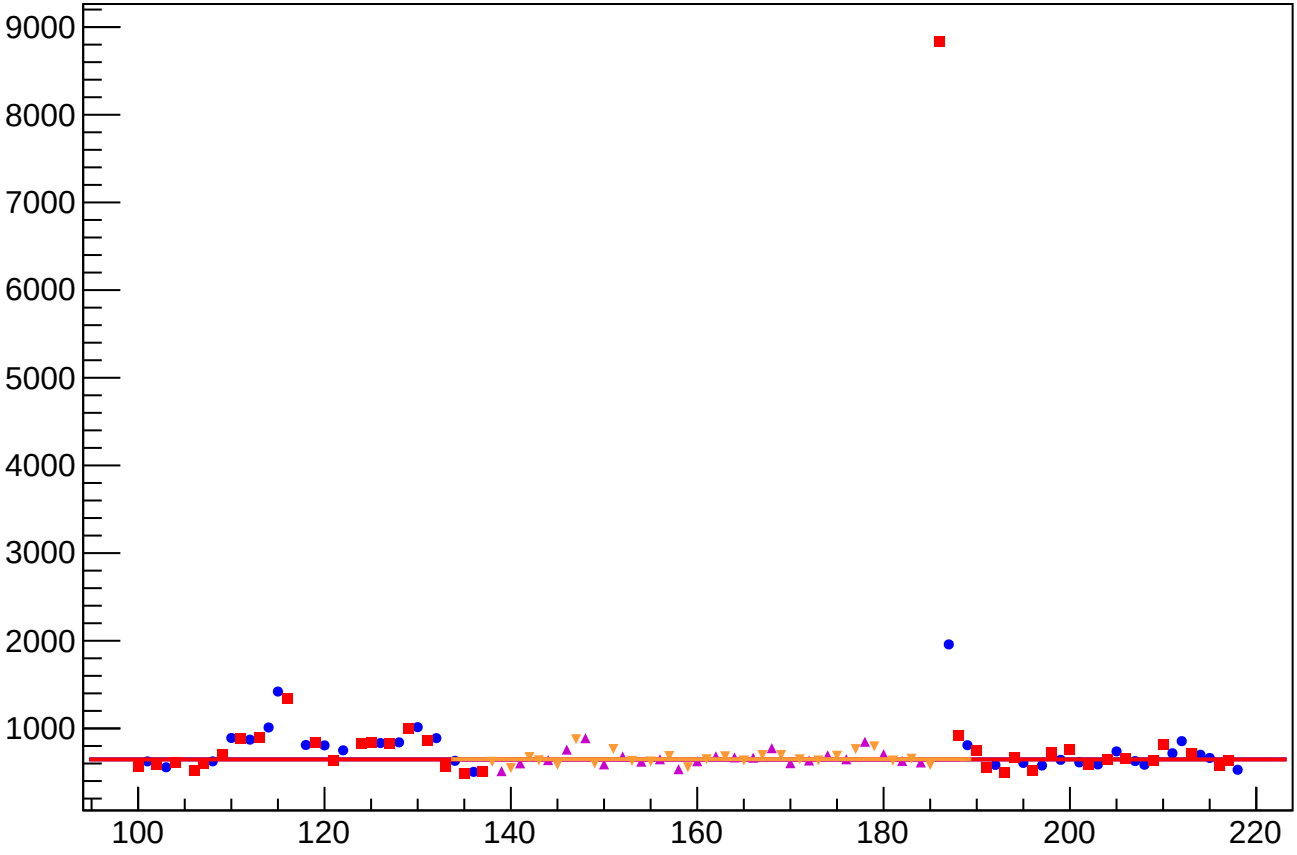
Left In: 43.251+/-152.059 χ^2/NDF:33.7/22

\+ sign 85.796+/-104.783 χ^2/NDF: 45.7/56

All: 190.857+/-74.437 χ^2/NDF: 136.4/115

\- sign 297.895+/-105.764 χ^2/NDF: 88.7/58

asym_sam_15_dd_eigen_cor_correction_rms vs Slug



Right In: 647.502+/-0.104 χ^2/NDF: 1329208.7/31

Left Out: 649.189+/-0.105 χ^2/NDF:418365.4/24

Right Out: 646.359+/-0.104 χ^2/NDF: 2090132.3/35

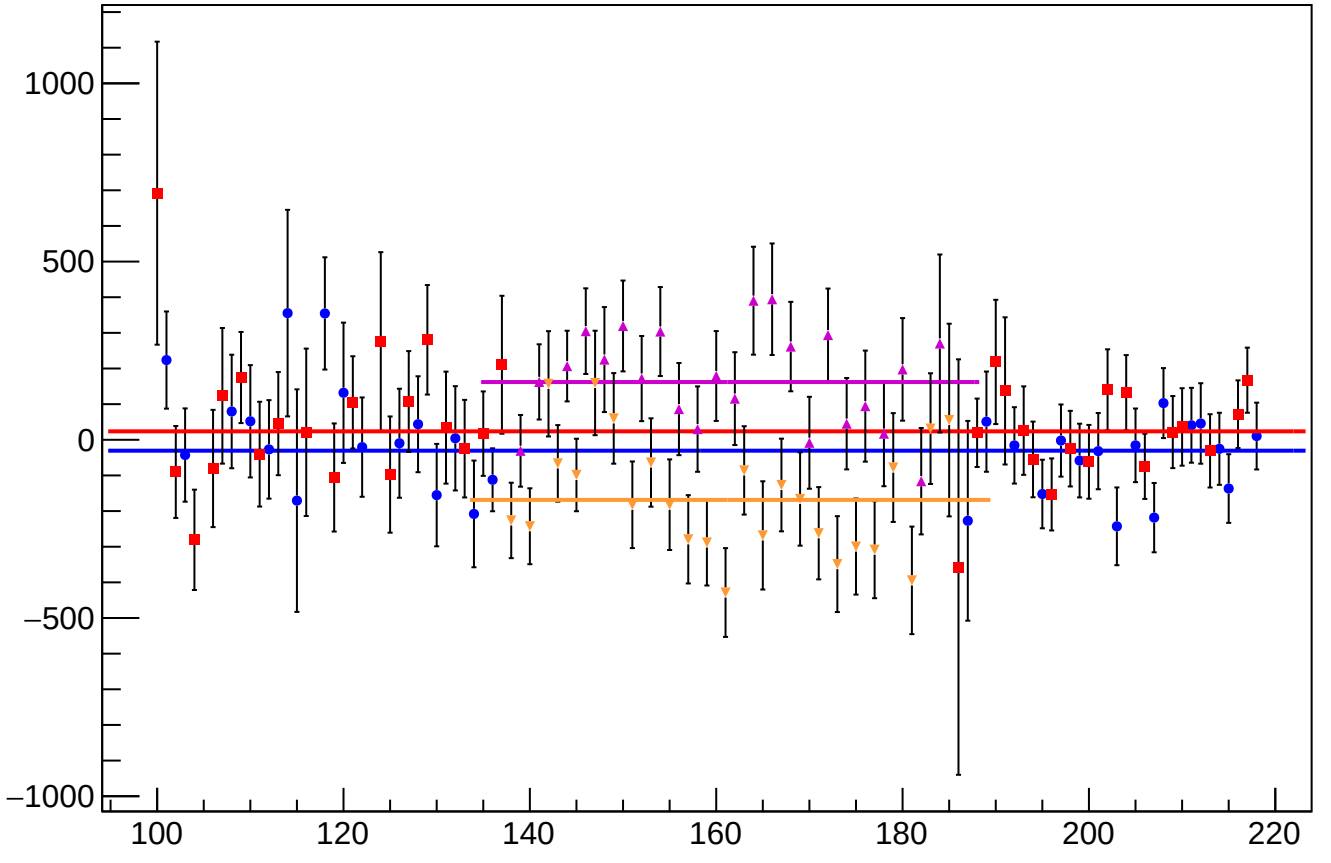
Left In: 644.072+/-0.108 χ^2/NDF:559121.0/22

+ sign 648.339+/-0.074 χ^2/NDF: 1747703.6/56

All: 646.810+/-0.053 χ^2/NDF: 4398049.6/115

- sign 645.253+/-0.075 χ^2/NDF: 2649486.9/58

dit_asym_sam_15_dd_mean vs Slug



Right In: -30.559+/-21.501 χ^2/NDF: 30.6/31

Left Out: -168.634+/-25.819 χ^2/NDF:32.4/24

Right Out: 23.699+/-21.360 χ^2/NDF: 29.9/35

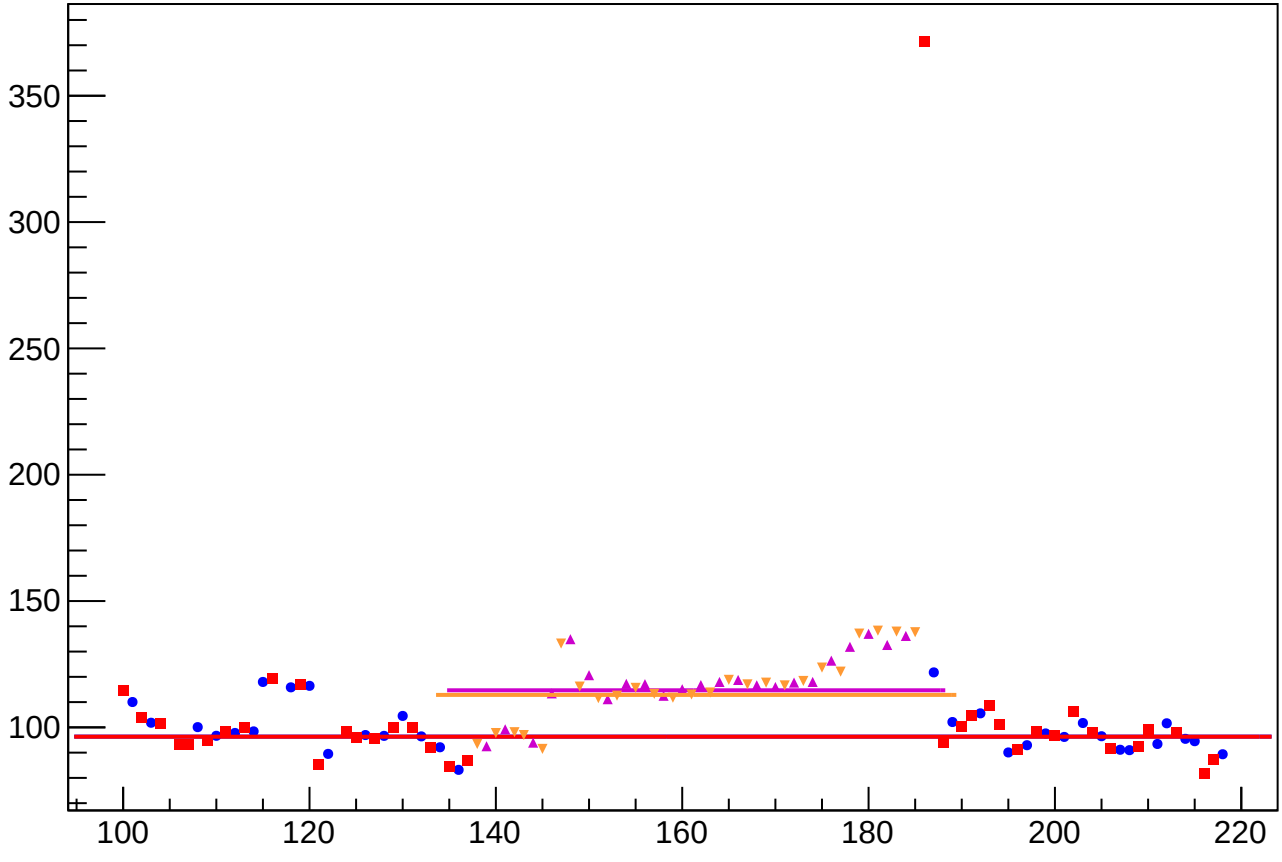
Left In: 162.028+/-26.948 χ^2/NDF:23.6/22

+ sign -87.099+/-16.522 χ^2/NDF: 79.8/56

All: -6.083+/-11.759 χ^2/NDF: 198.2/115

- sign 77.074+/-16.739 χ^2/NDF: 69.7/58

dit_asym_sam_15_dd_rms vs Slug



Right In: 96.348+/-0.015 χ^2/NDF: 223723.9/31

Left Out: 112.850+/-0.018 χ^2/NDF:512260.6/24

Right Out: 96.307+/-0.015 χ^2/NDF: 689267.8/35

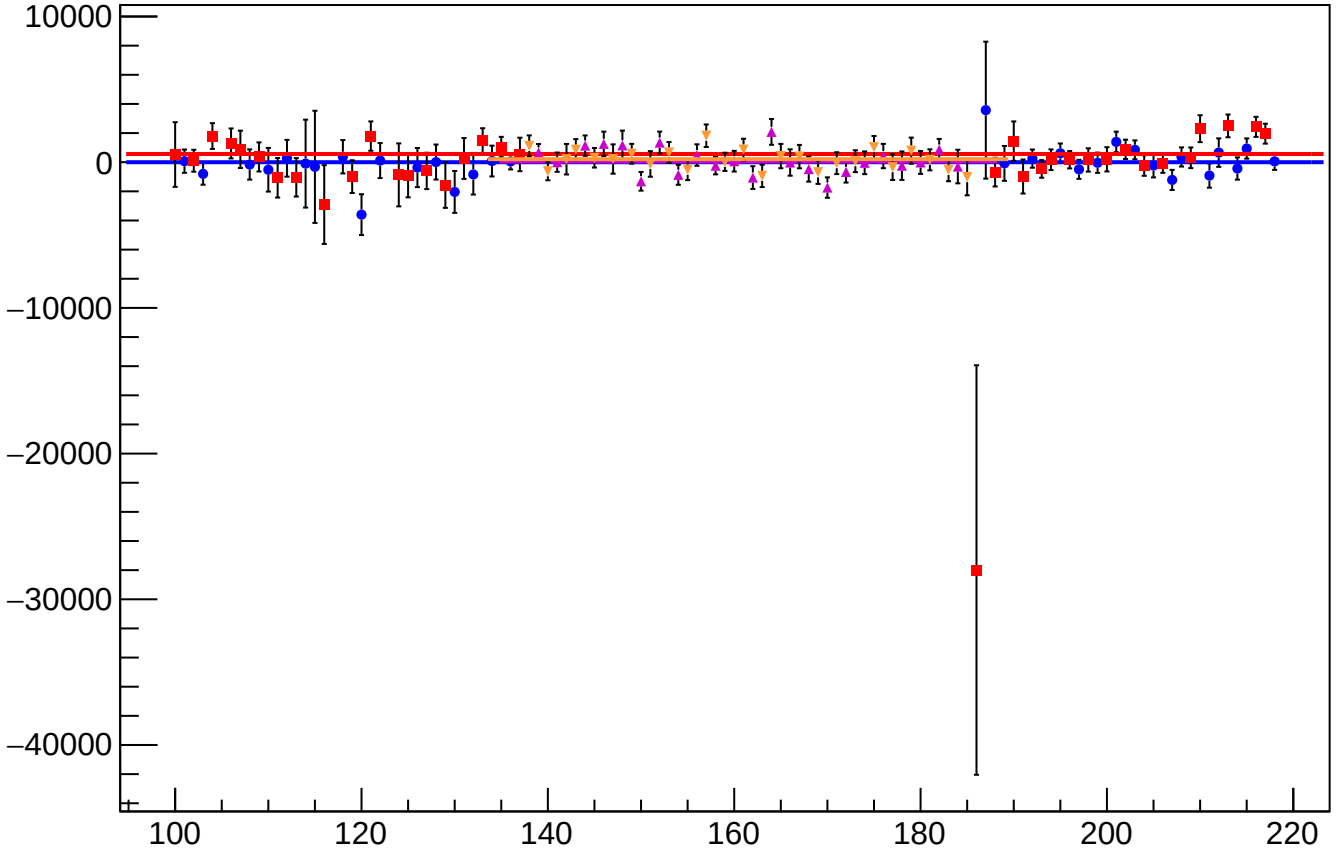
Left In: 114.677+/-0.019 χ^2/NDF:409932.2/22

+ sign 103.105+/-0.012 χ^2/NDF: 1218417.7/56

All: 103.248+/-0.008 χ^2/NDF: 2888742.3/115

- sign 103.395+/-0.012 χ^2/NDF: 1670020.5/58

asym_sam_15_dd_dit_correction_mean vs Slug



Right In: -0.946+/-151.727 χ^2/NDF: 25.6/31

Left Out: 209.377+/-153.925 χ^2/NDF:18.9/24

Right Out: 563.418+/-151.455 χ^2/NDF: 52.3/35

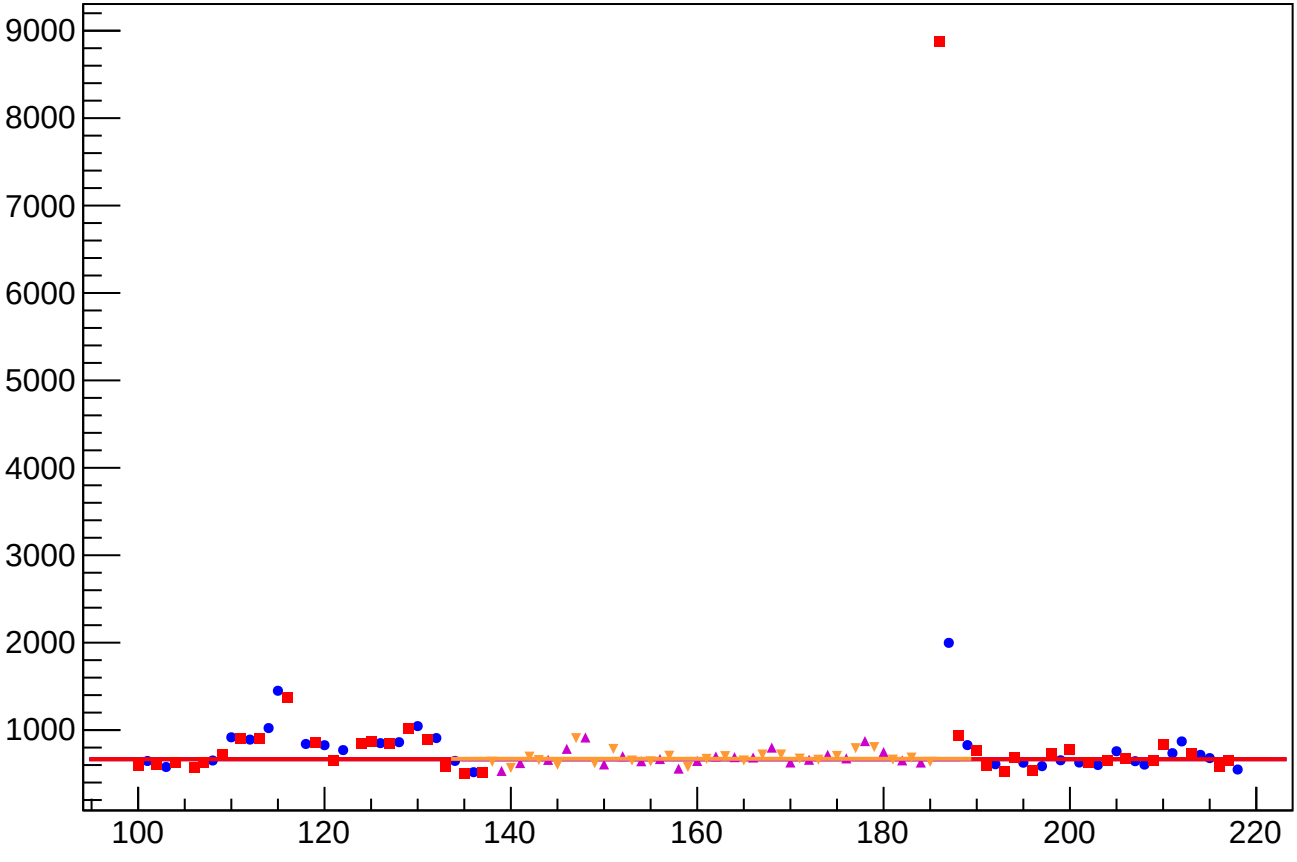
Left In: 50.266+/-157.485 χ^2/NDF:33.3/22

+ sign 102.703+/-108.056 χ^2/NDF: 45.5/56

All: 208.685+/-76.796 χ^2/NDF: 138.5/115

- sign 316.854+/-109.165 χ^2/NDF: 91.1/58

asym_sam_15_dd_dit_correction_rms vs Slug



Right In: 666.347+/-0.107 χ^2/NDF: 1298037.8/31

Left Out: 671.849+/-0.109 χ^2/NDF:399159.9/24

Right Out: 667.101+/-0.107 χ^2/NDF: 1998137.8/35

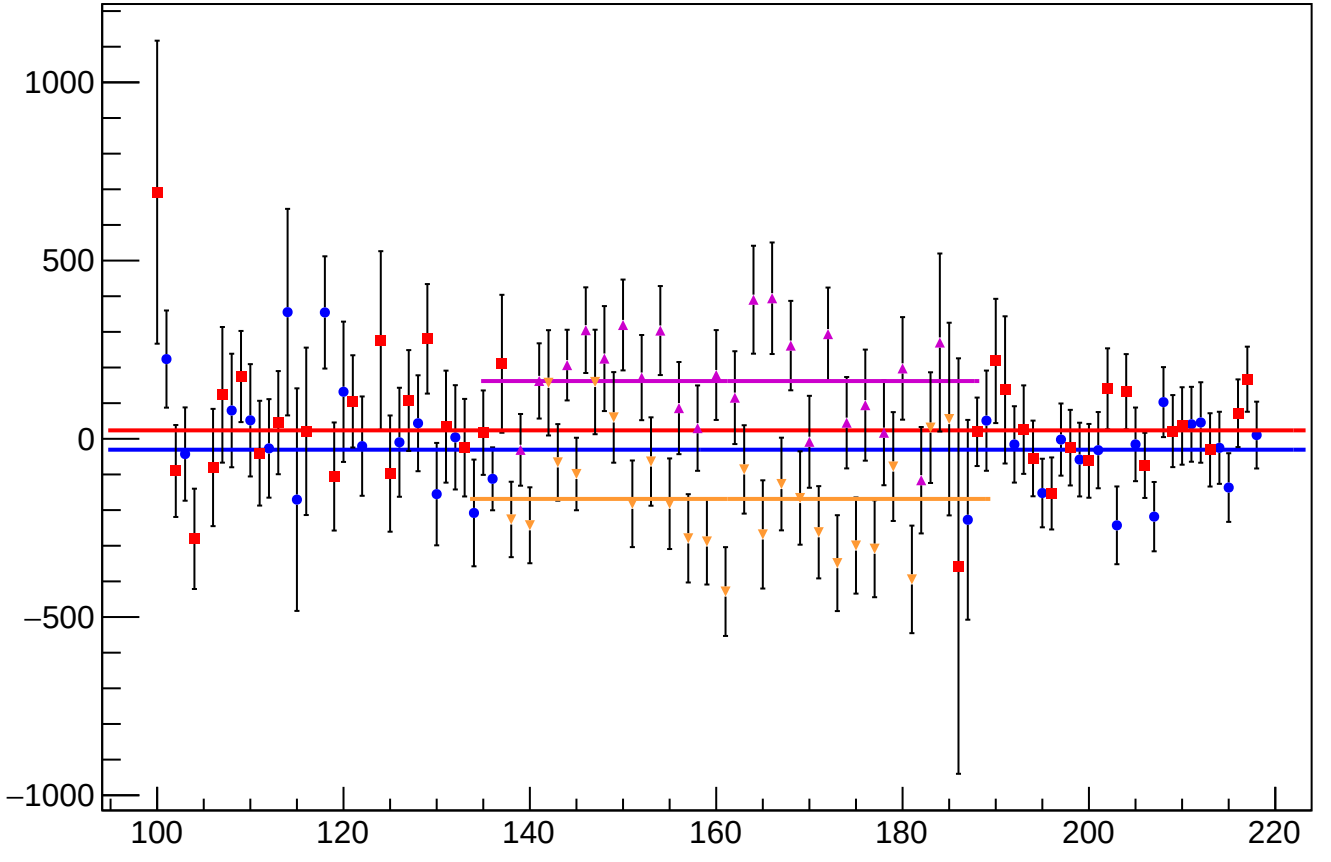
Left In: 667.341+/-0.111 χ^2/NDF:546903.6/22

+ sign 669.058+/-0.076 χ^2/NDF: 1698493.7/56

All: 668.147+/-0.054 χ^2/NDF: 4243825.0/115

- sign 667.216+/-0.077 χ^2/NDF: 2545043.8/58

eigen_dit_asym_sam_15_dd_mean vs Slug



Right In: -30.559+/-21.501 χ^2/NDF: 30.6/31

Left Out: -168.635+/-25.819 χ^2/NDF:32.4/24

Right Out: 23.698+/-21.360 χ^2/NDF: 29.9/35

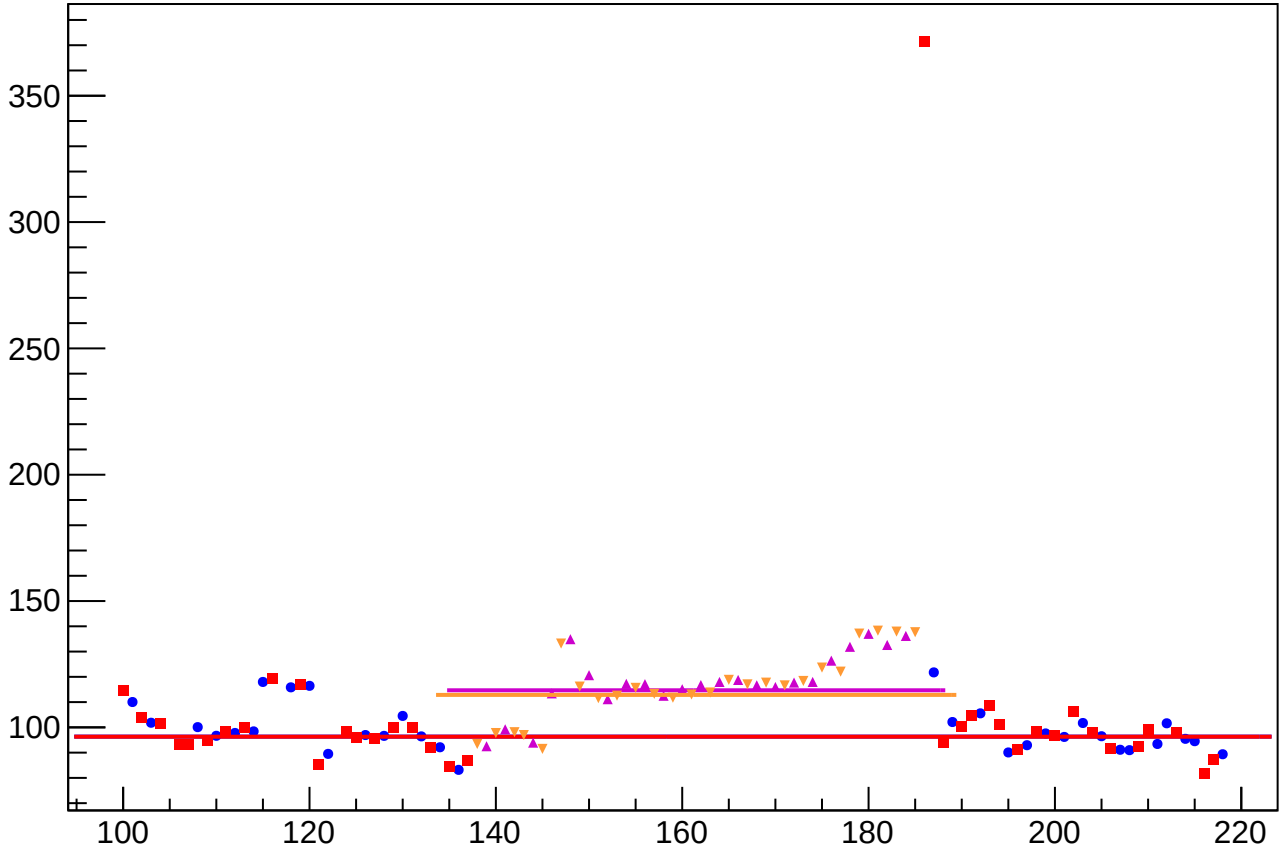
Left In: 162.028+/-26.948 χ^2/NDF:23.6/22

+ sign -87.099+/-16.522 χ^2/NDF: 79.8/56

All: -6.083+/-11.759 χ^2/NDF: 198.2/115

- sign 77.073+/-16.739 χ^2/NDF: 69.7/58

eigen_dit_asym_sam_15_dd_rms vs Slug



Right In: 96.347+/-0.015 χ^2/NDF: 223727.3/31

Left Out: 112.850+/-0.018 χ^2/NDF:512254.2/24

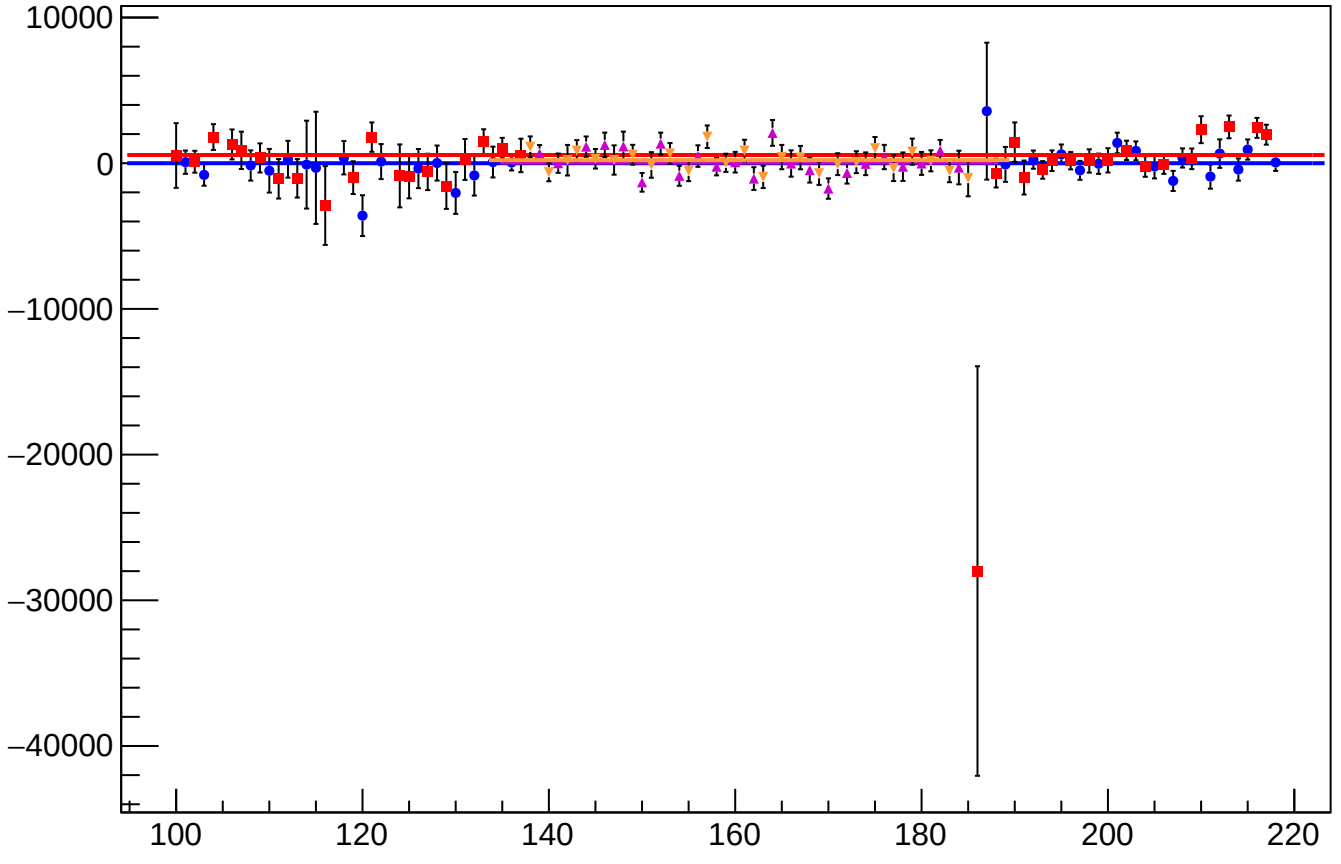
Right Out: 96.306+/-0.015 χ^2/NDF: 689272.9/35

Left In: 114.677+/-0.019 χ^2/NDF:409929.2/22

+ sign 103.105+/-0.012 χ^2/NDF: 1218424.6/56

All: 103.248+/-0.008 χ^2/NDF: 2888768.7/115

- sign 103.395+/-0.012 χ^2/NDF: 1670040.0/58



Right In: -0.947+/-151.727 χ^2/NDF: 25.6/31

Left Out: 209.377+/-153.926 χ^2/NDF:18.9/24

Right Out: 563.418+/-151.455 χ^2/NDF: 52.3/35

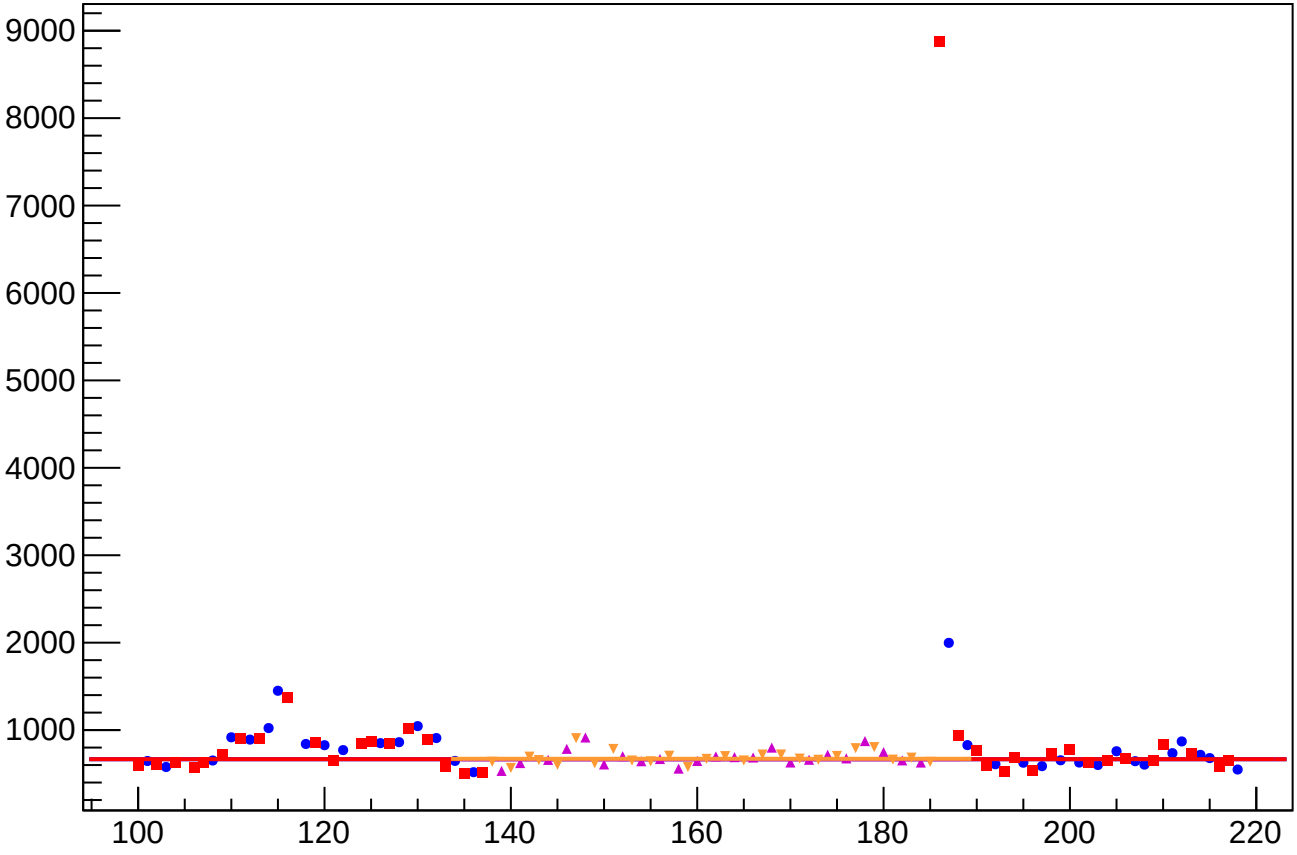
Left In: 50.267+/-157.485 χ^2/NDF:33.3/22

\+ sign 102.702+/-108.056 χ^2/NDF: 45.5/56

All: 208.686+/-76.796 χ^2/NDF: 138.5/115

\- sign 316.855+/-109.165 χ^2/NDF: 91.1/58

asym_sam_15_dd_eigen_dit_correction_rms vs Slug



Right In: 666.346+/-0.107 χ^2/NDF: 1298037.5/31

Left Out: 671.849+/-0.109 χ^2/NDF:399160.3/24

Right Out: 667.100+/-0.107 χ^2/NDF: 1998144.3/35

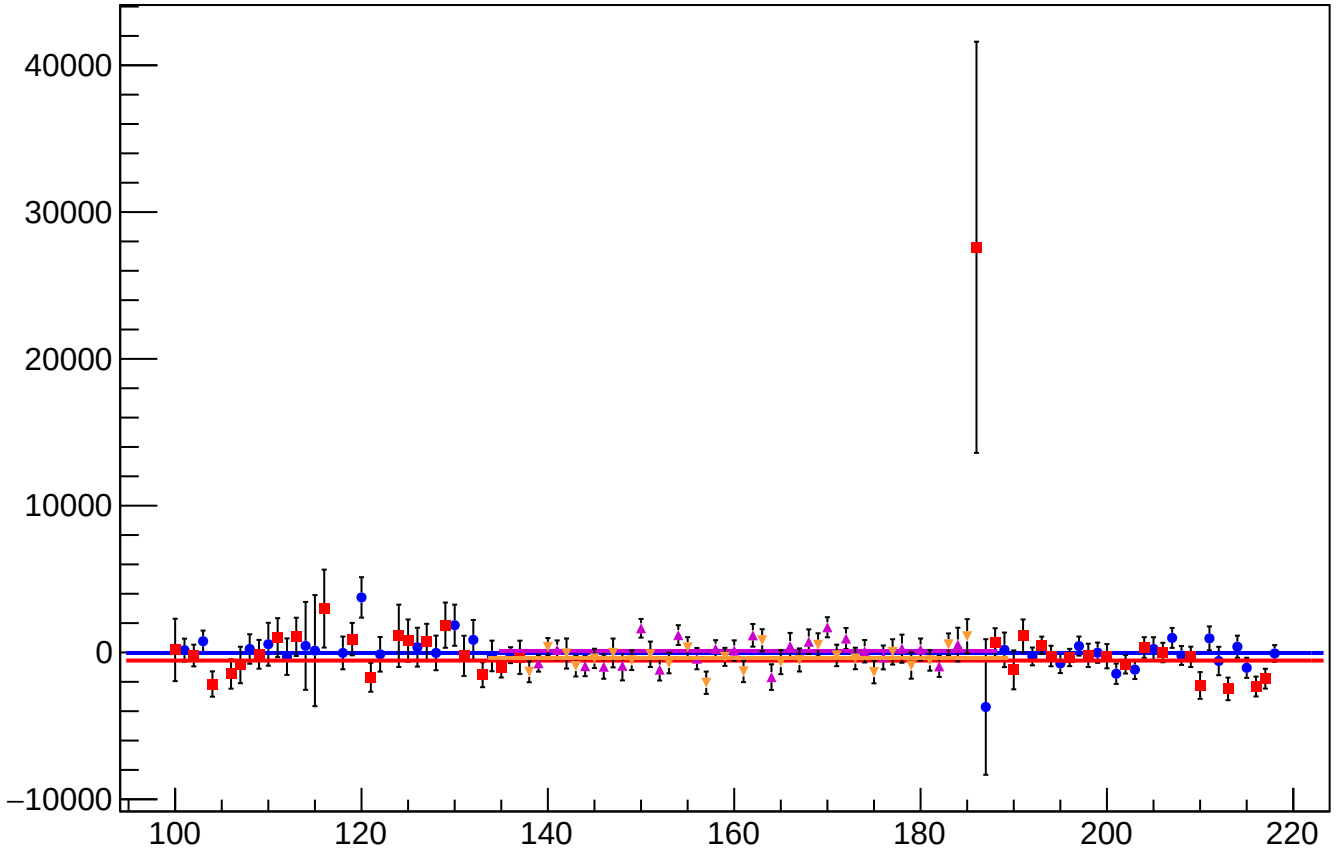
Left In: 667.342+/-0.111 χ^2/NDF:546905.8/22

+ sign 669.058+/-0.076 χ^2/NDF: 1698494.2/56

All: 668.147+/-0.054 χ^2/NDF: 4243834.4/115

- sign 667.216+/-0.077 χ^2/NDF: 2545052.6/58

asym_sam_15_dd_mean vs Slug



Right In: -34.477+/-149.063 χ^2/NDF: 28.2/31

Left Out: -377.221+/-150.952 χ^2/NDF:21.4/24

Right Out: -551.098+/-148.558 χ^2/NDF: 54.0/35

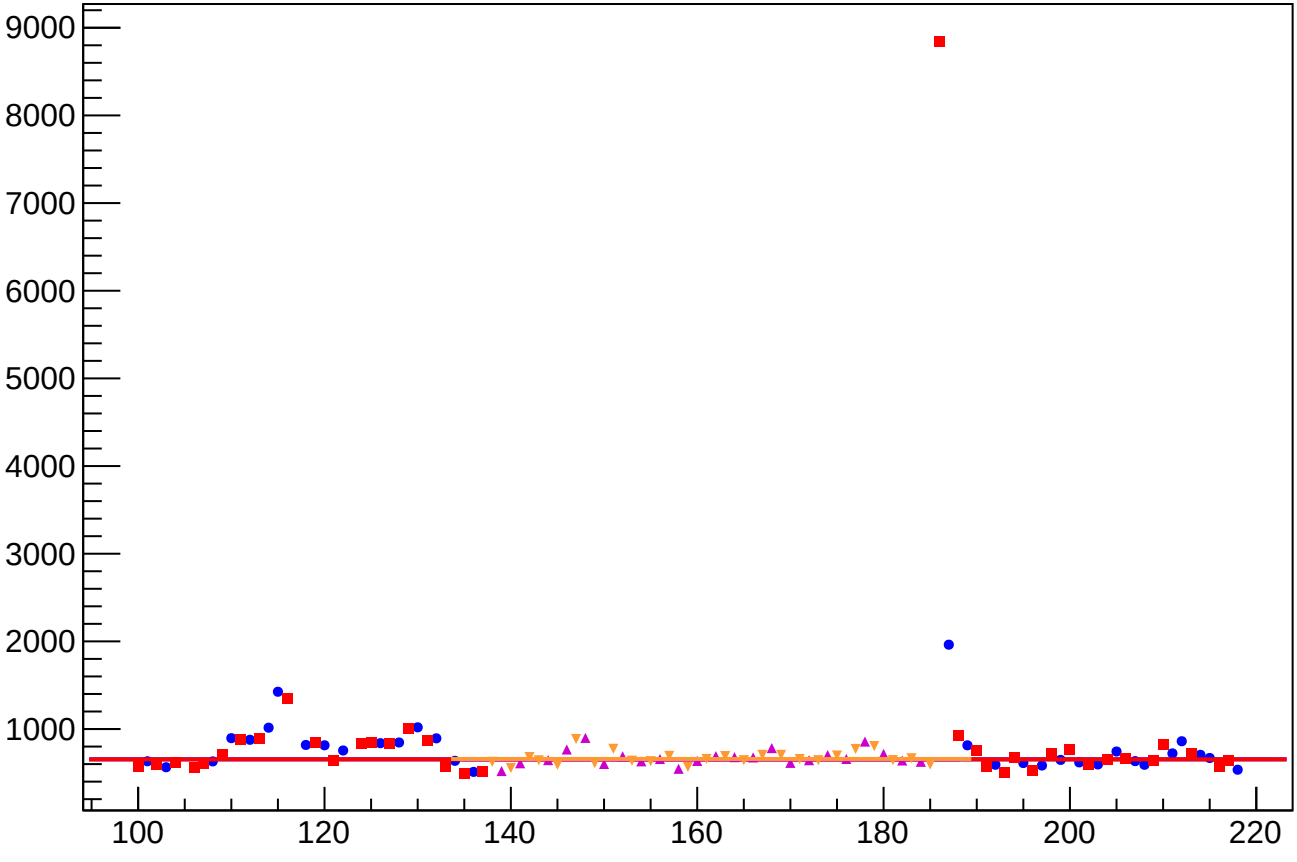
Left In: 103.321+/-154.335 χ^2/NDF:35.5/22

+ sign -203.691+/-106.065 χ^2/NDF: 52.2/56

All: -219.880+/-75.338 χ^2/NDF: 151.1/115

- sign -236.365+/-107.031 χ^2/NDF: 98.9/58

asym_sam_15_dd_rms vs Slug



Right In: 654.507+/-0.105 χ^2/NDF: 1298188.1/31

Left Out: 658.672+/-0.107 χ^2/NDF:409684.4/24

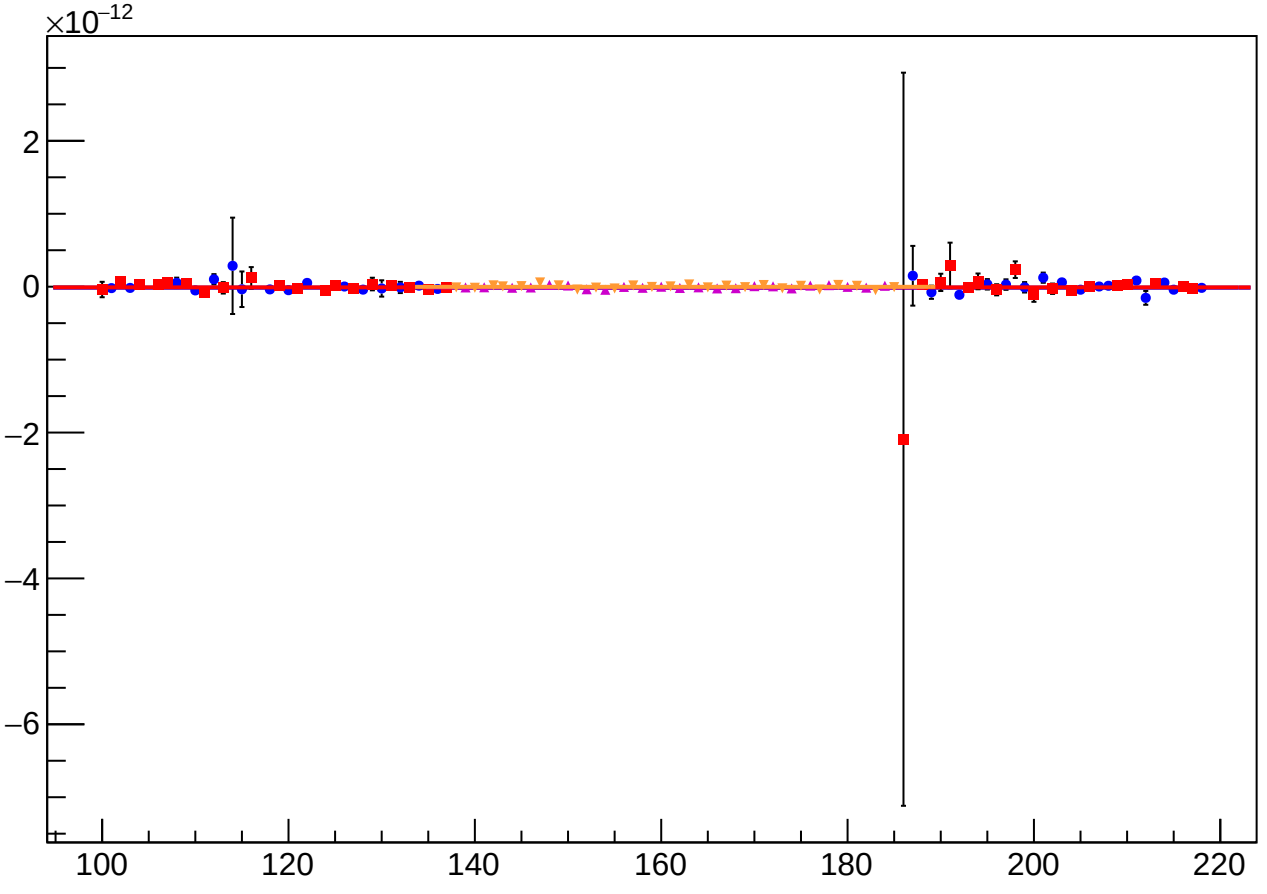
Right Out: 653.898+/-0.105 χ^2/NDF: 2039485.9/35

Left In: 653.950+/-0.109 χ^2/NDF:542078.1/22

+ sign 656.563+/-0.075 χ^2/NDF: 1708643.4/56

All: 655.255+/-0.053 χ^2/NDF: 4290821.6/115

- sign 653.923+/-0.076 χ^2/NDF: 2581564.2/58



Right In: -0.000+/-0.000 χ^2/NDF: 29.0/31

Left Out: -0.000+/-0.000 χ^2/NDF:31.8/24

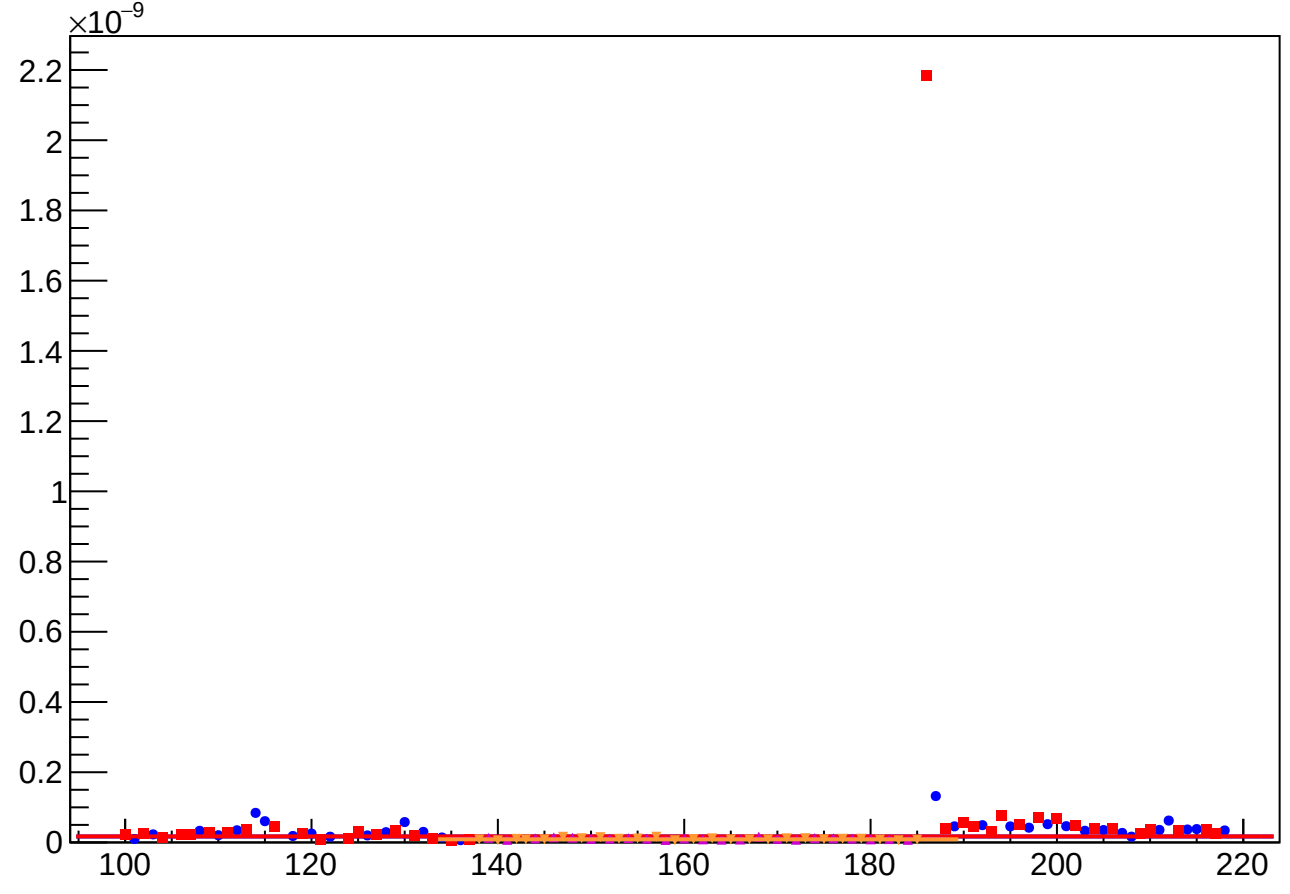
Right Out: -0.000+/-0.000 χ^2/NDF: 28.4/35

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

+ sign -0.000+/-0.000 χ^2/NDF: 63.2/56

All: -0.000+/-0.000 χ^2/NDF: 107.9/115

- sign -0.000+/-0.000 χ^2/NDF: 44.0/58



Right In: 0.000+/-0.000 χ^2/NDF: 7363398.4/31

Left Out: 0.000+/-0.000 χ^2/NDF:1037287.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8093826.3/35

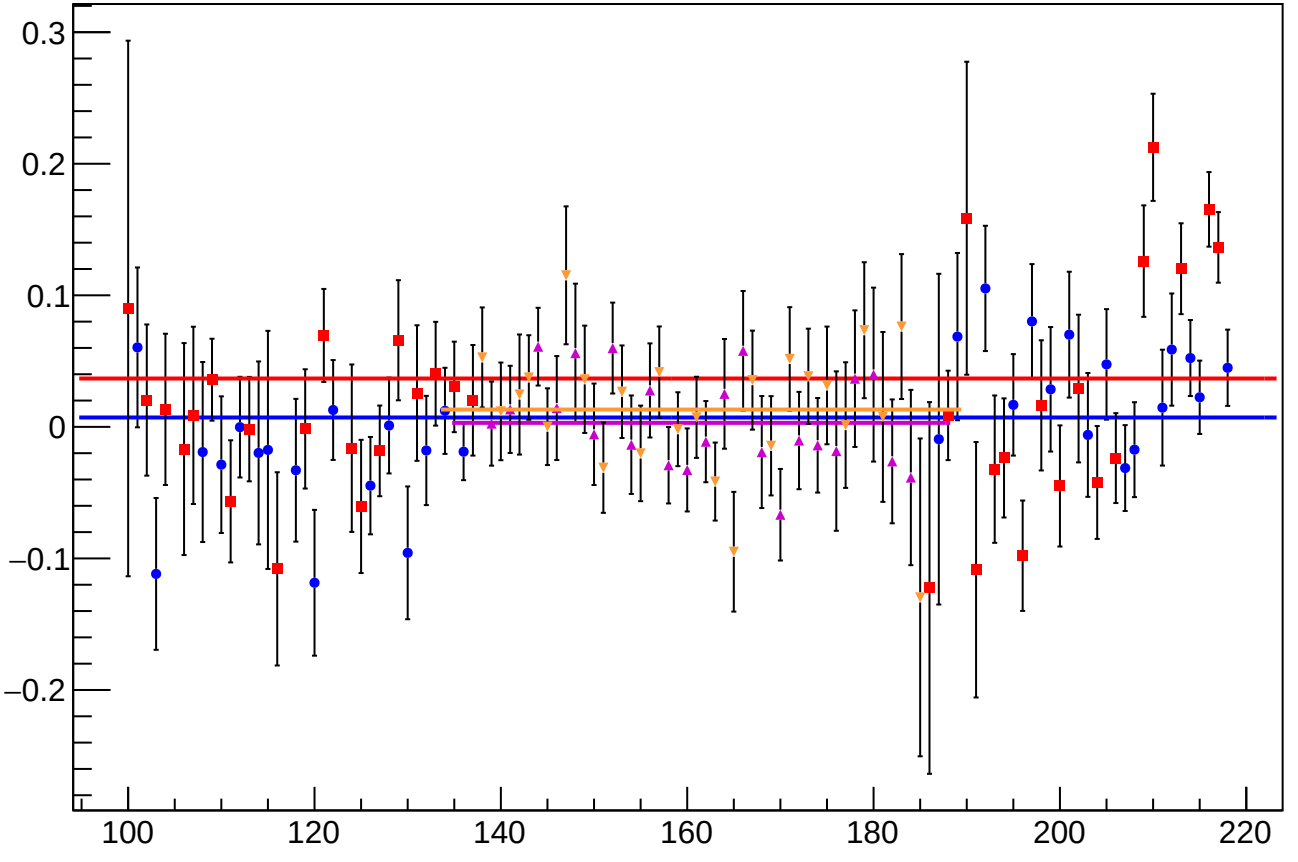
Left In: 0.000+/-0.000 χ^2/NDF:659247.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 10610082.7/56

All: 0.000+/-0.000 χ^2/NDF: 21083817.2/115

- sign 0.000+/-0.000 χ^2/NDF: 10312847.8/58

asym_sam_15_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.007+/-0.007 χ^2/NDF: 38.4/31

Left Out: 0.013+/-0.008 χ^2/NDF:25.4/24

Right Out: 0.037+/-0.007 χ^2/NDF: 111.0/35

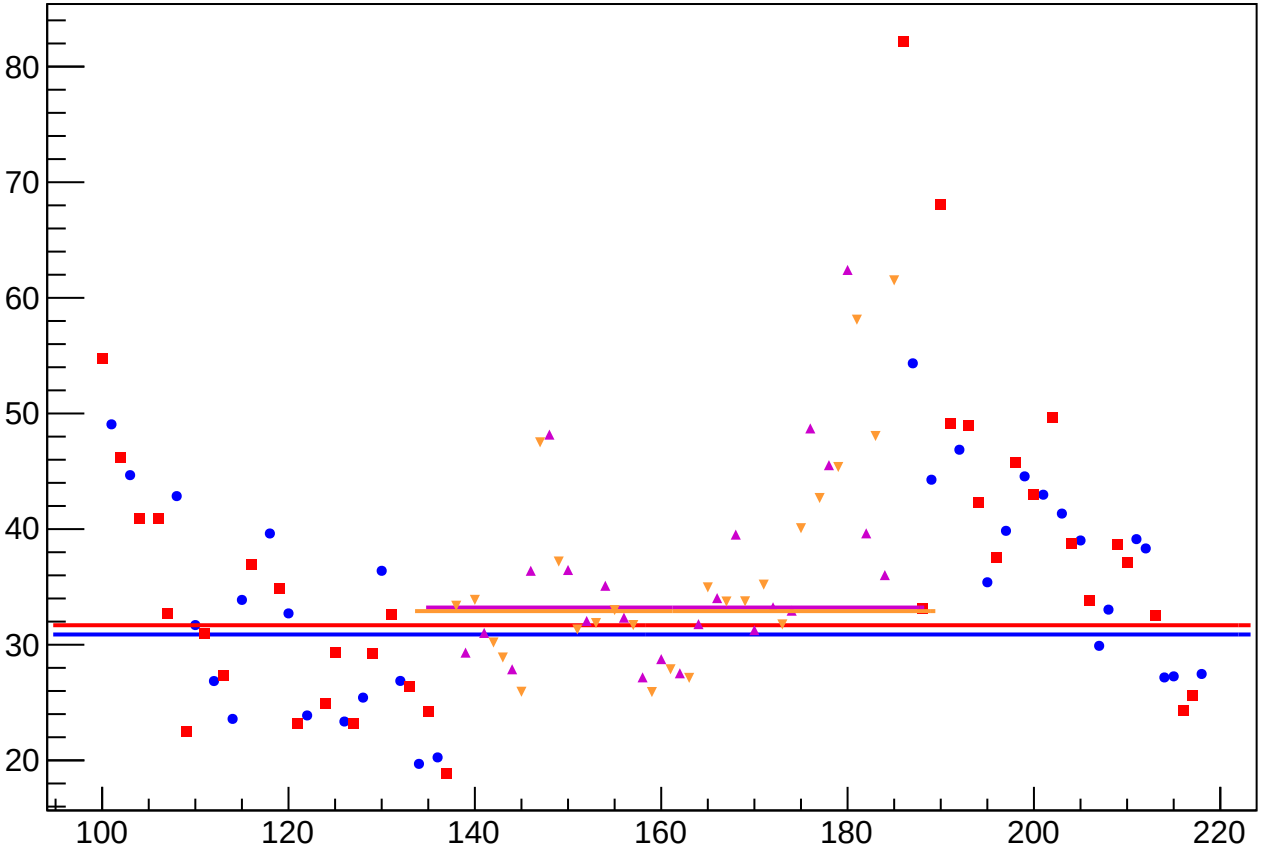
Left In: 0.003+/-0.008 χ^2/NDF:19.2/22

+ sign 0.010+/-0.005 χ^2/NDF: 64.1/56

All: 0.015+/-0.004 χ^2/NDF: 206.2/115

- sign 0.021+/-0.005 χ^2/NDF: 139.9/58

asym_sam_15_dd_dit_vs_cor_diff_rms vs Slug



Right In: 30.886+/-0.005 χ^2/NDF: 2608925.8/31

Left Out: 32.907+/-0.005 χ^2/NDF:1427924.1/24

Right Out: 31.686+/-0.005 χ^2/NDF: 2763108.1/35

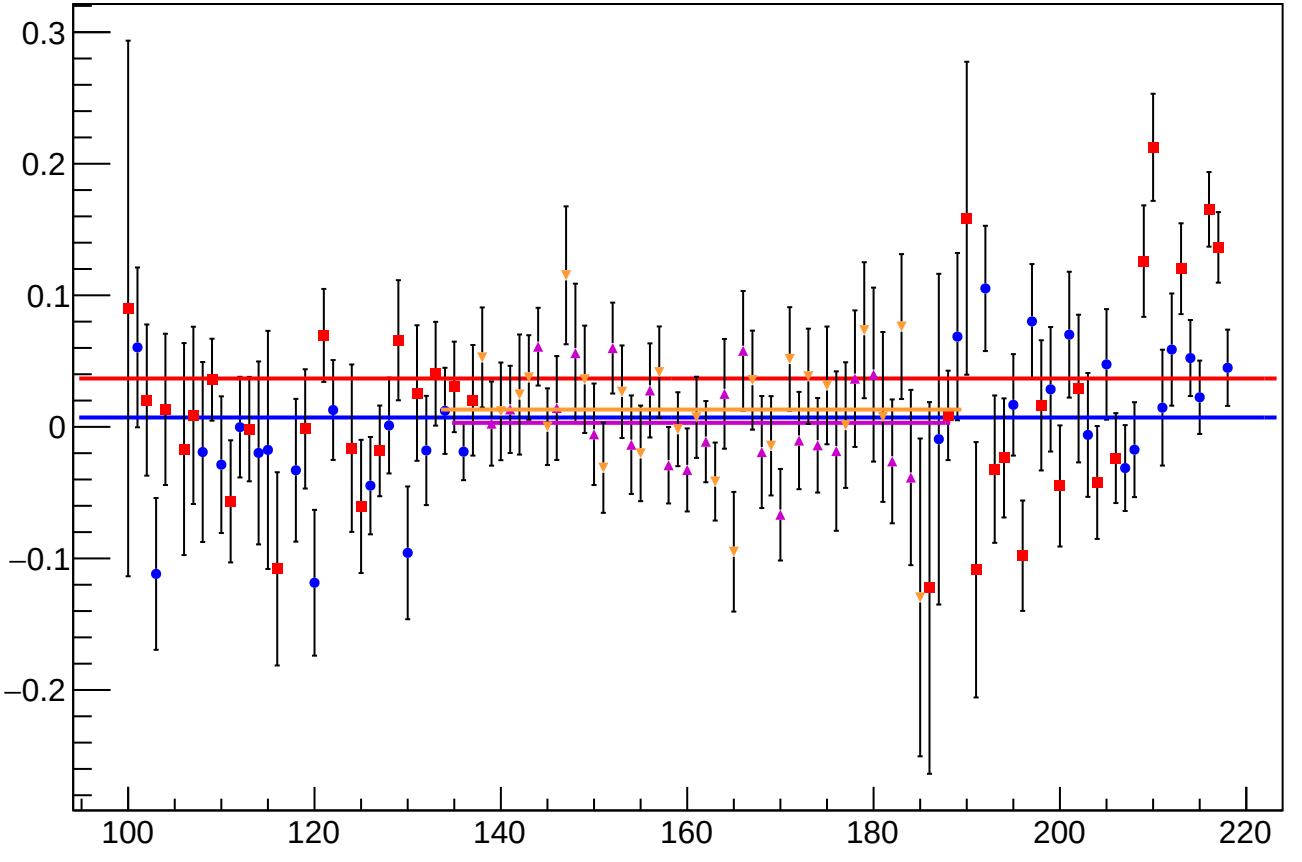
Left In: 33.217+/-0.006 χ^2/NDF:1221447.0/22

+ sign 31.830+/-0.004 χ^2/NDF: 4110688.7/56

All: 32.101+/-0.003 χ^2/NDF: 8146270.8/115

- sign 32.387+/-0.004 χ^2/NDF: 4024631.8/58

asym_sam_15_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.007+/-0.007 χ^2/NDF: 38.4/31

Left Out: 0.013+/-0.008 χ^2/NDF:25.4/24

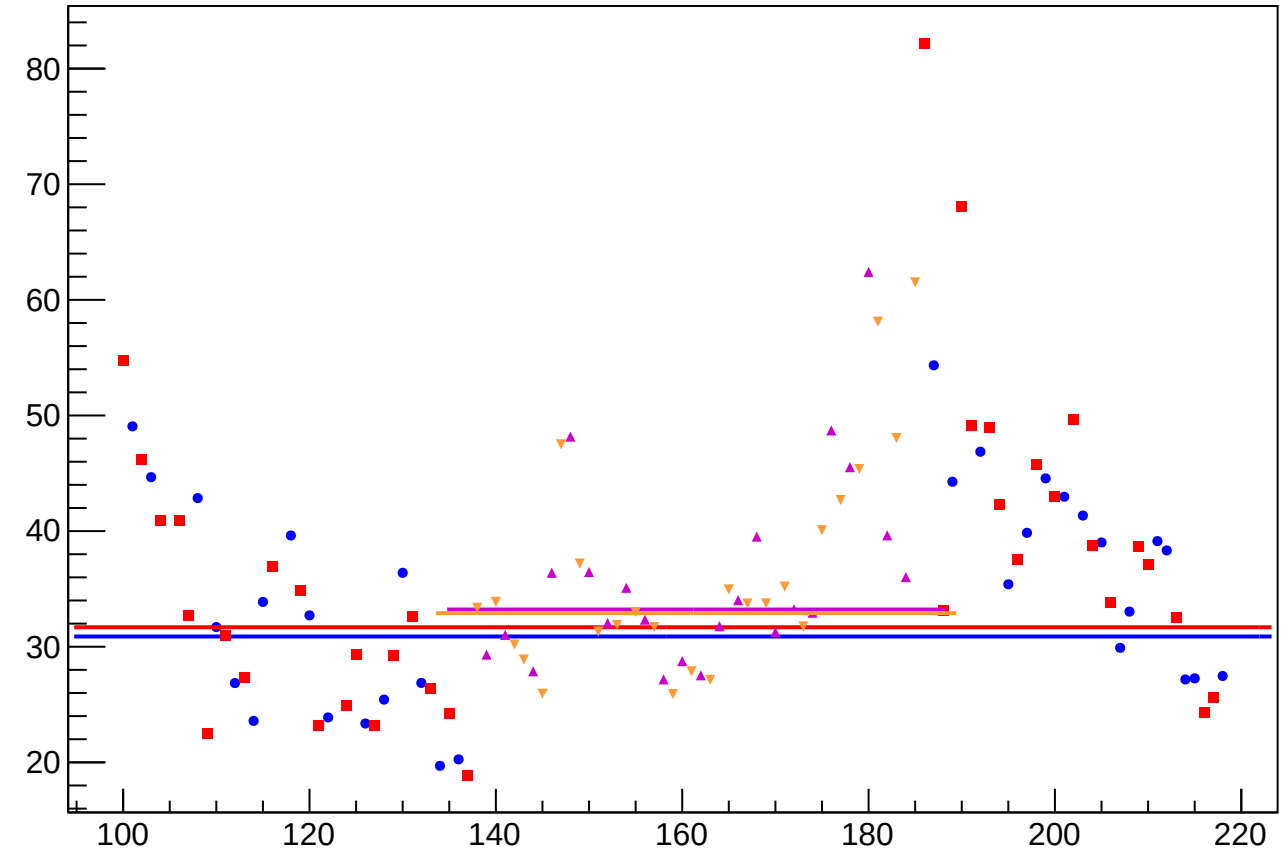
Right Out: 0.037+/-0.007 χ^2/NDF: 111.0/35

Left In: 0.003+/-0.008 χ^2/NDF:19.2/22

+ sign 0.010+/-0.005 χ^2/NDF: 64.1/56

All: 0.015+/-0.004 χ^2/NDF: 206.2/115

- sign 0.021+/-0.005 χ^2/NDF: 139.9/58



Right In: 30.886+/-0.005 χ^2/NDF: 2608925.8/31

Left Out: 32.907+/-0.005 χ^2/NDF:1427924.1/24

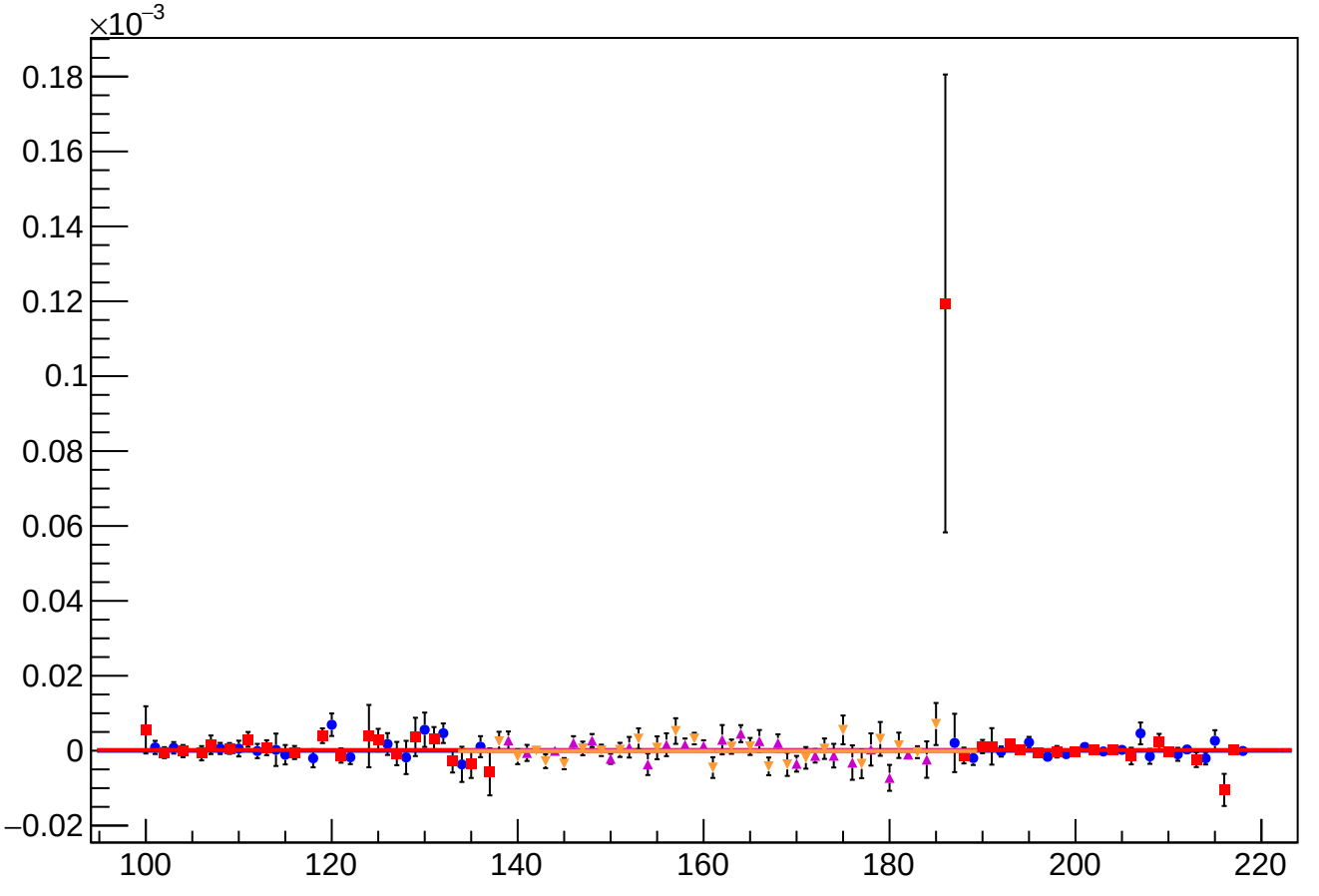
Right Out: 31.686+/-0.005 χ^2/NDF: 2763108.1/35

Left In: 33.217+/-0.006 χ^2/NDF:1221447.0/22

+ sign 31.830+/-0.004 χ^2/NDF: 4110688.7/56

All: 32.101+/-0.003 χ^2/NDF: 8146270.8/115

- sign 32.387+/-0.004 χ^2/NDF: 4024631.8/58



Right In: -0.000+/-0.000 χ^2/NDF: 27.4/31

Left Out: -0.000+/-0.000 χ^2/NDF:31.0/24

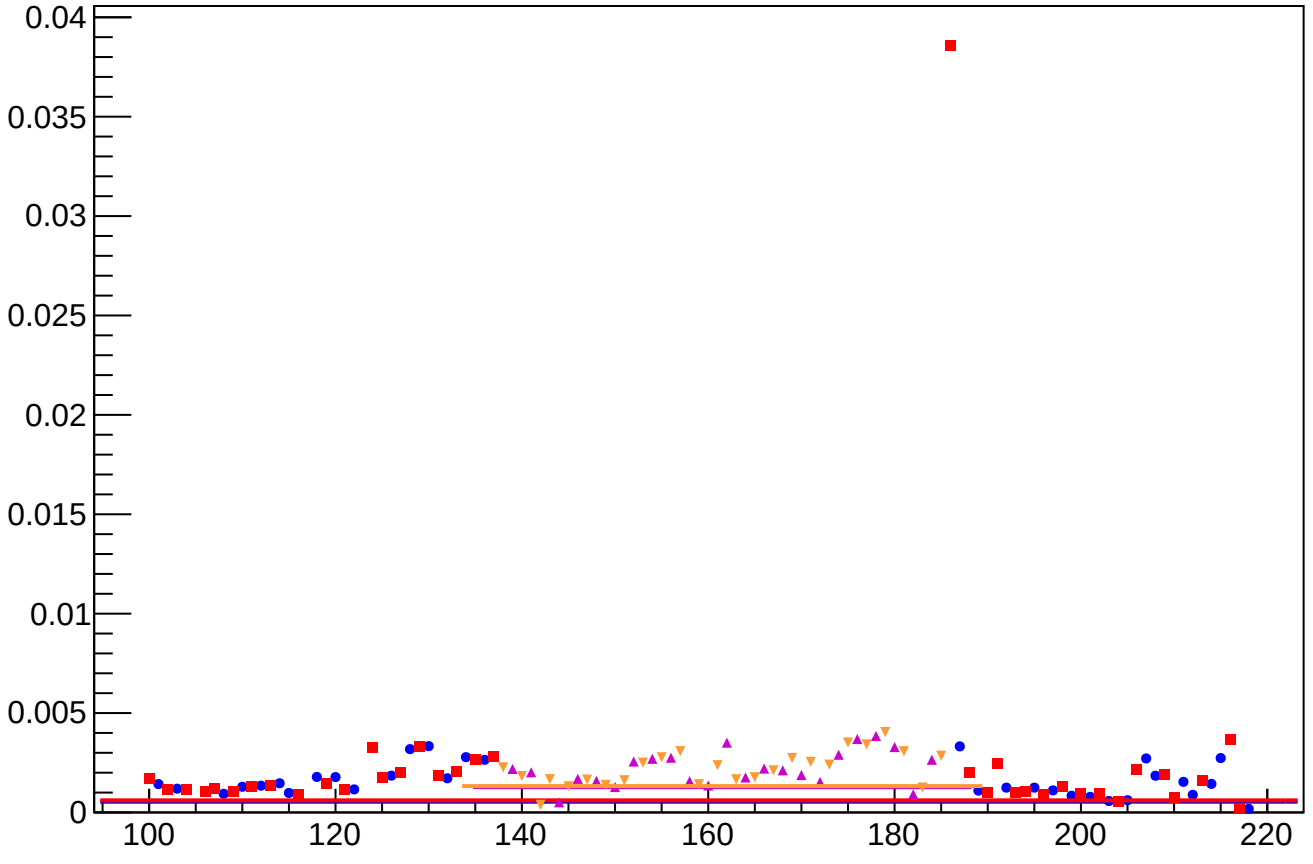
Right Out: 0.000+/-0.000 χ^2/NDF: 31.1/35

Left In: 0.000+/-0.000 χ^2/NDF:27.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 58.4/56

All: 0.000+/-0.000 χ^2/NDF: 117.3/115

- sign 0.000+/-0.000 χ^2/NDF: 58.2/58



Right In: 0.001+/-0.000 χ^2/NDF: 18306507.7/31

Left Out: 0.001+/-0.000 χ^2/NDF:11159347.0/24

Right Out: 0.001+/-0.000 χ^2/NDF: 17256639.1/35

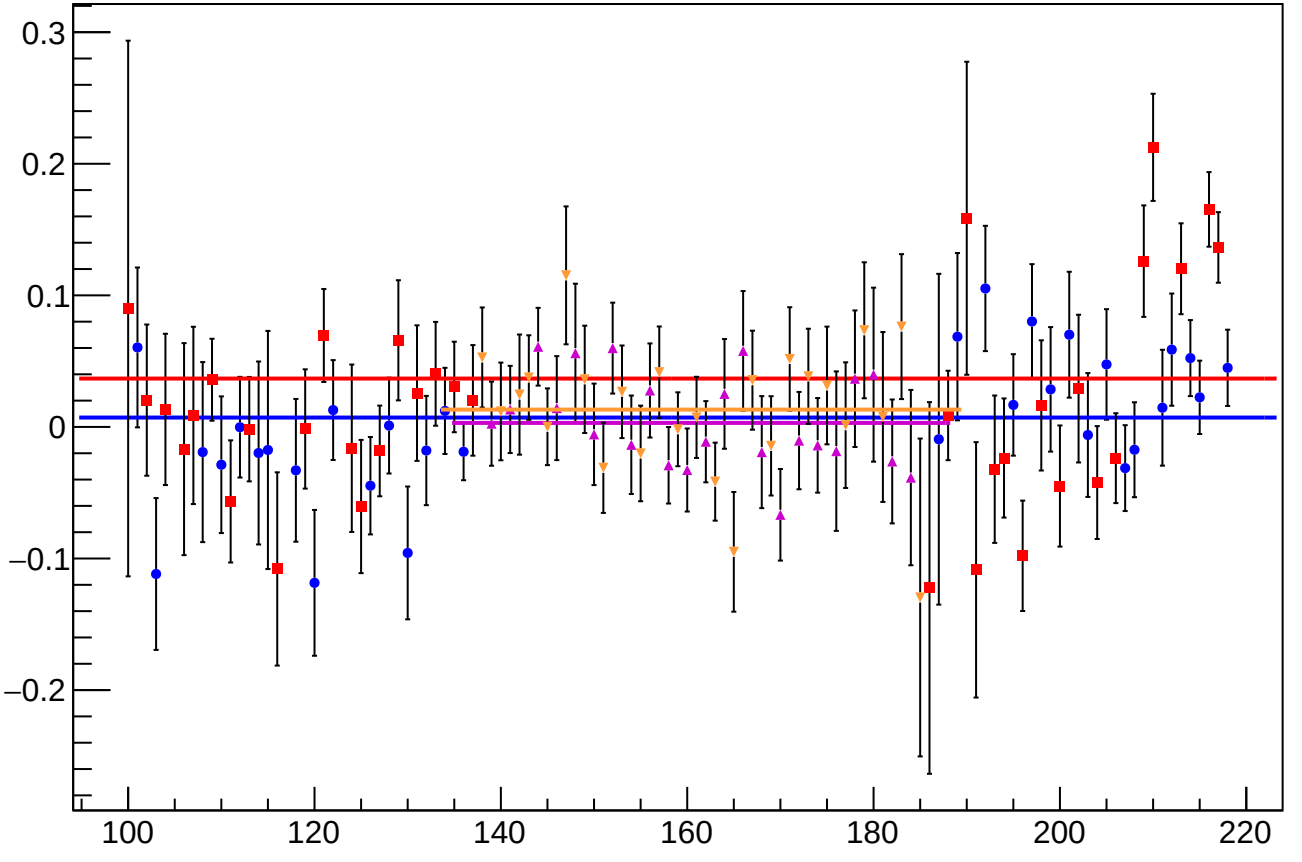
Left In: 0.001+/-0.000 χ^2/NDF:9878422.3/22

+ sign 0.001+/-0.000 χ^2/NDF: 36900066.3/56

All: 0.001+/-0.000 χ^2/NDF: 69693444.7/115

- sign 0.001+/-0.000 χ^2/NDF: 32643325.3/58

asym_sam_15_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.007+/-0.007 χ^2/NDF: 38.4/31

Left Out: 0.013+/-0.008 χ^2/NDF:25.4/24

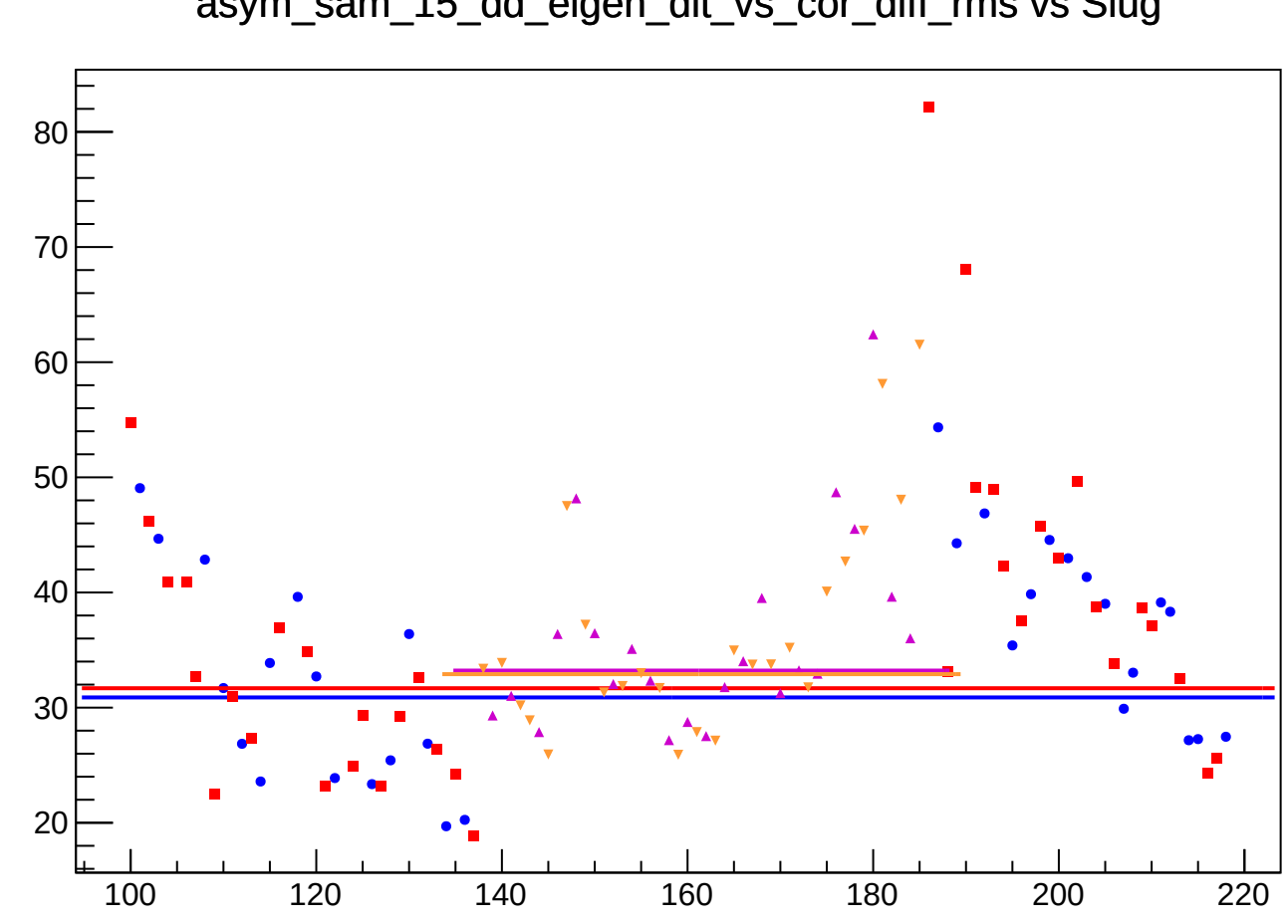
Right Out: 0.037+/-0.007 χ^2/NDF: 111.0/35

Left In: 0.003+/-0.008 χ^2/NDF:19.2/22

\+ sign 0.010+/-0.005 χ^2/NDF: 64.1/56

All: 0.015+/-0.004 χ^2/NDF: 206.2/115

\- sign 0.021+/-0.005 χ^2/NDF: 139.9/58



Right In: 30.886+/-0.005 χ^2/NDF: 2609098.5/31

Left Out: 32.907+/-0.005 χ^2/NDF:1427993.7/24

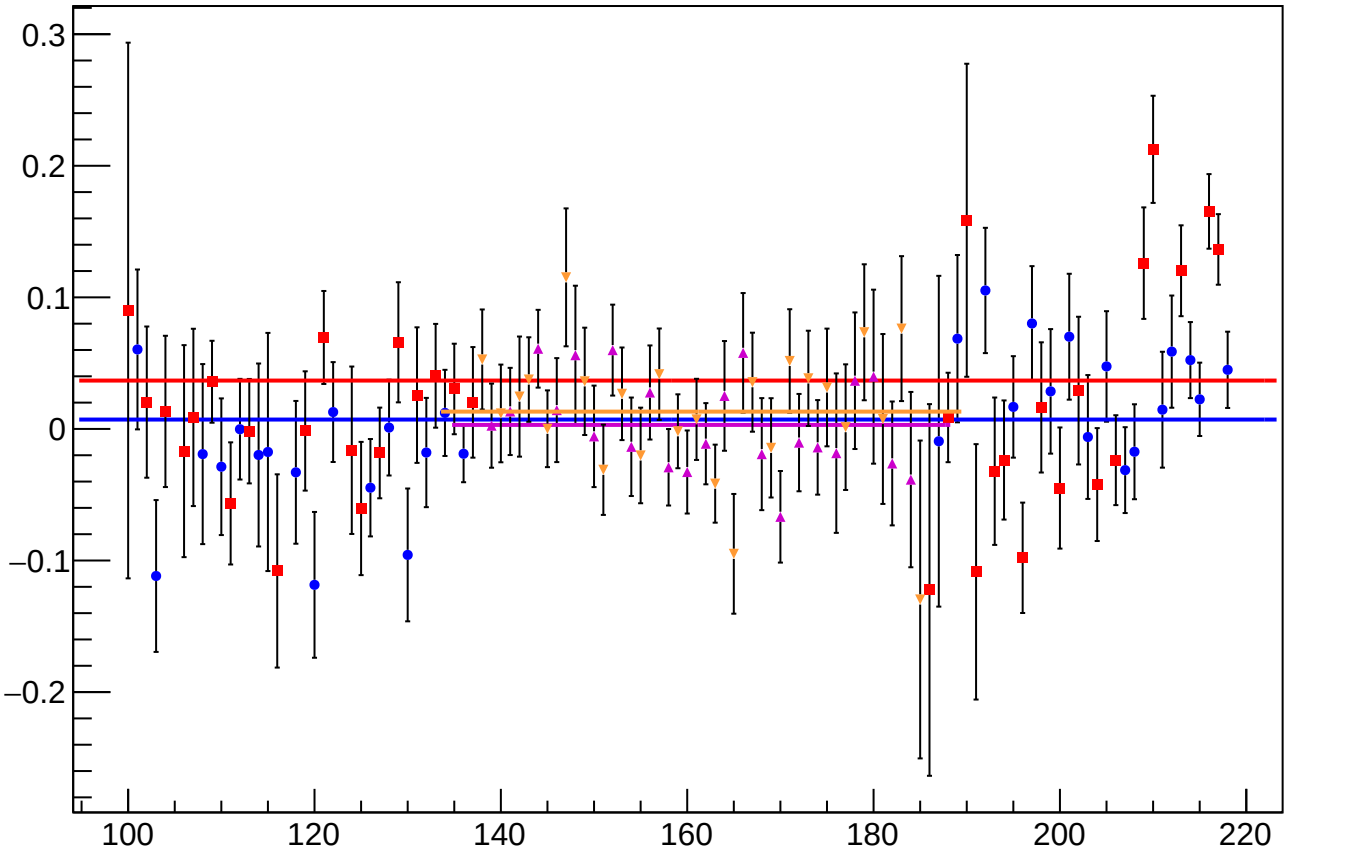
Right Out: 31.685+/-0.005 χ^2/NDF: 2763489.2/35

Left In: 33.217+/-0.006 χ^2/NDF:1221516.5/22

+ sign 31.830+/-0.004 χ^2/NDF: 4110973.7/56

All: 32.101+/-0.003 χ^2/NDF: 8147059.2/115

- sign 32.386+/-0.004 χ^2/NDF: 4025144.2/58



Right In: 0.007+/-0.007 χ^2/NDF: 38.4/31

Left Out: 0.013+/-0.008 χ^2/NDF:25.4/24

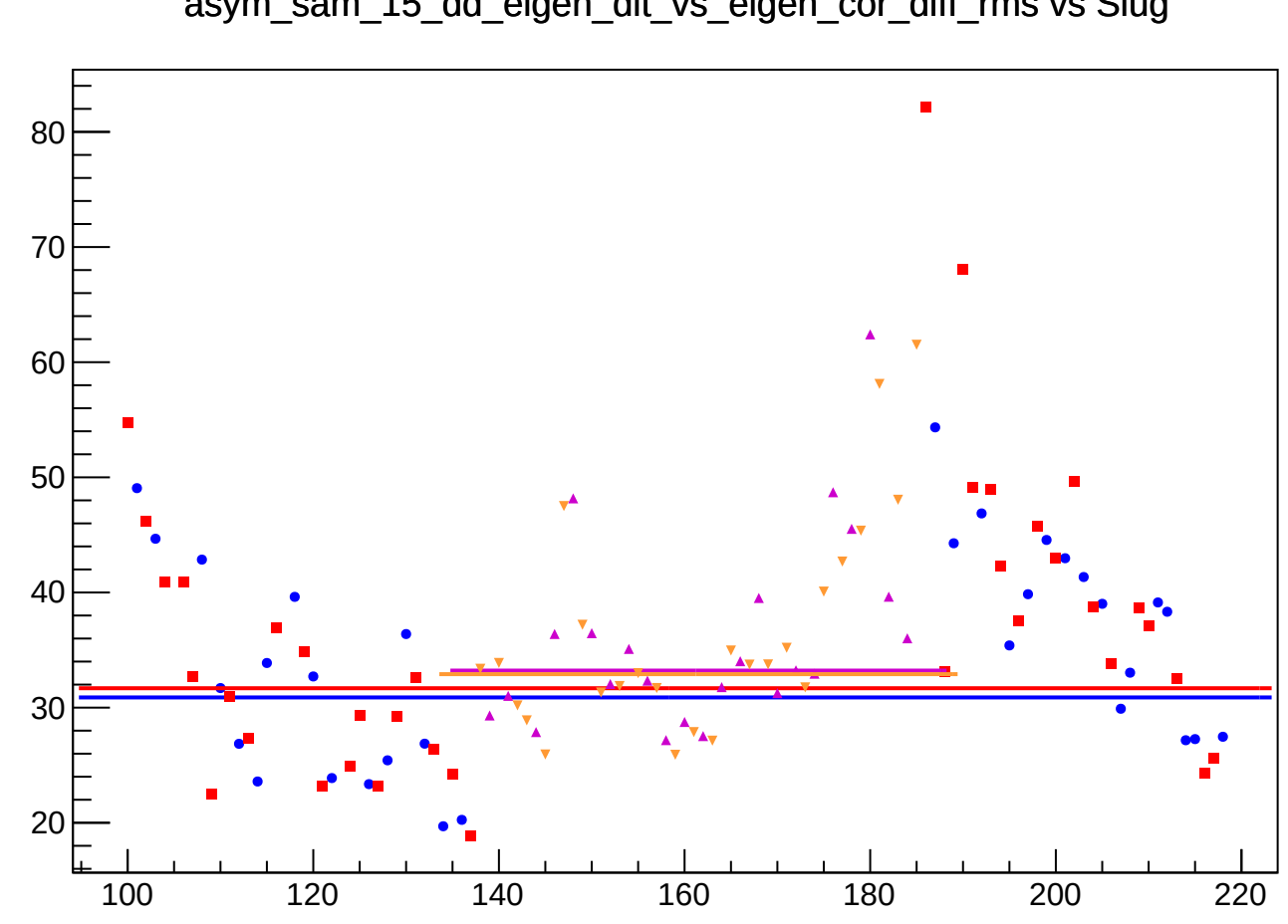
Right Out: 0.037+/-0.007 χ^2/NDF: 111.0/35

Left In: 0.003+/-0.008 χ^2/NDF:19.2/22

+ sign 0.010+/-0.005 χ^2/NDF: 64.1/56

All: 0.015+/-0.004 χ^2/NDF: 206.2/115

- sign 0.021+/-0.005 χ^2/NDF: 139.9/58



Right In: 30.886+/-0.005 χ^2/NDF: 2609098.5/31

Left Out: 32.907+/-0.005 χ^2/NDF:1427993.7/24

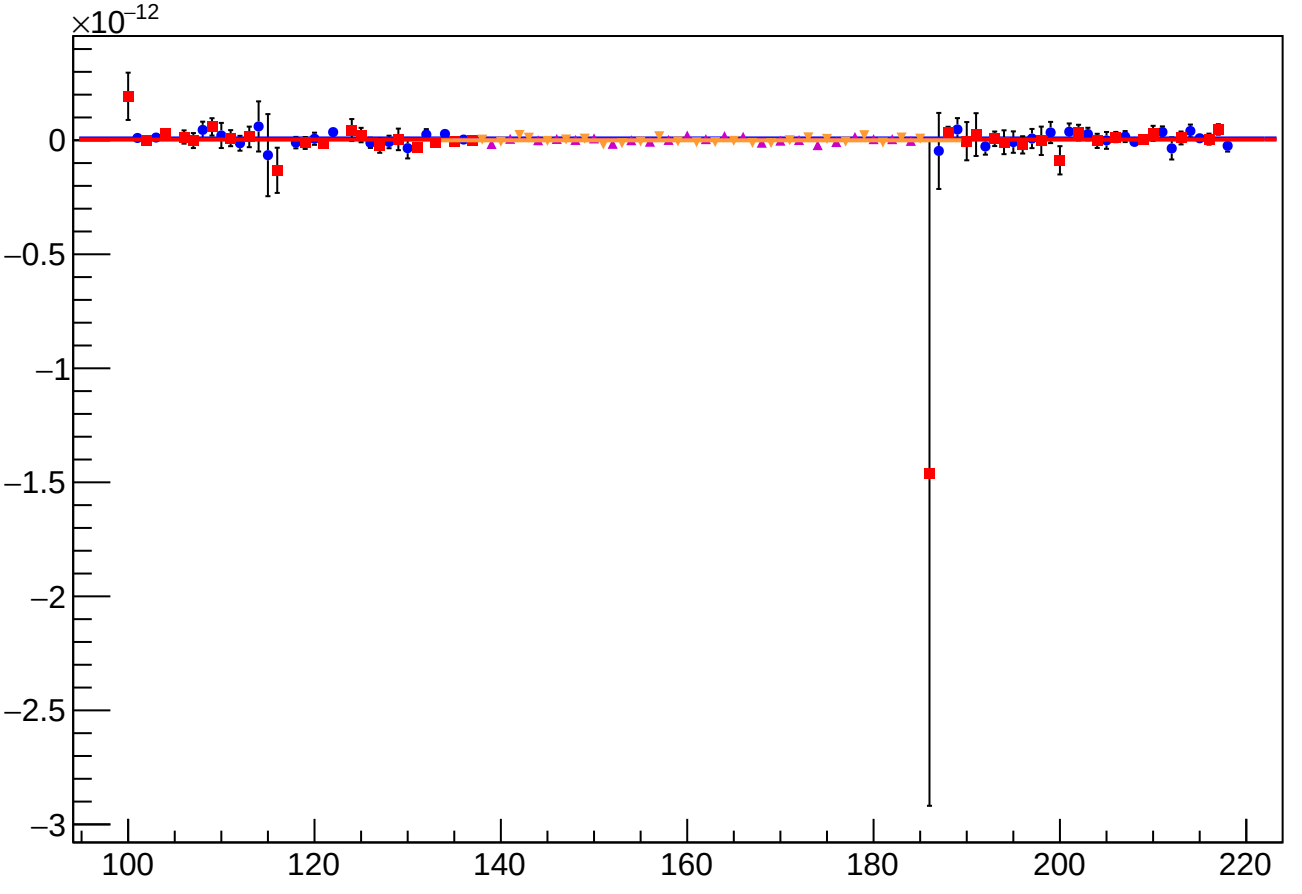
Right Out: 31.685+/-0.005 χ^2/NDF: 2763489.2/35

Left In: 33.217+/-0.006 χ^2/NDF:1221516.5/22

\+ sign 31.830+/-0.004 χ^2/NDF: 4110973.7/56

All: 32.101+/-0.003 χ^2/NDF: 8147059.2/115

\- sign 32.386+/-0.004 χ^2/NDF: 4025144.2/58



Right In: 0.000+/-0.000 χ^2/NDF: 17.4/31

Left Out: -0.000+/-0.000 χ^2/NDF:31.0/24

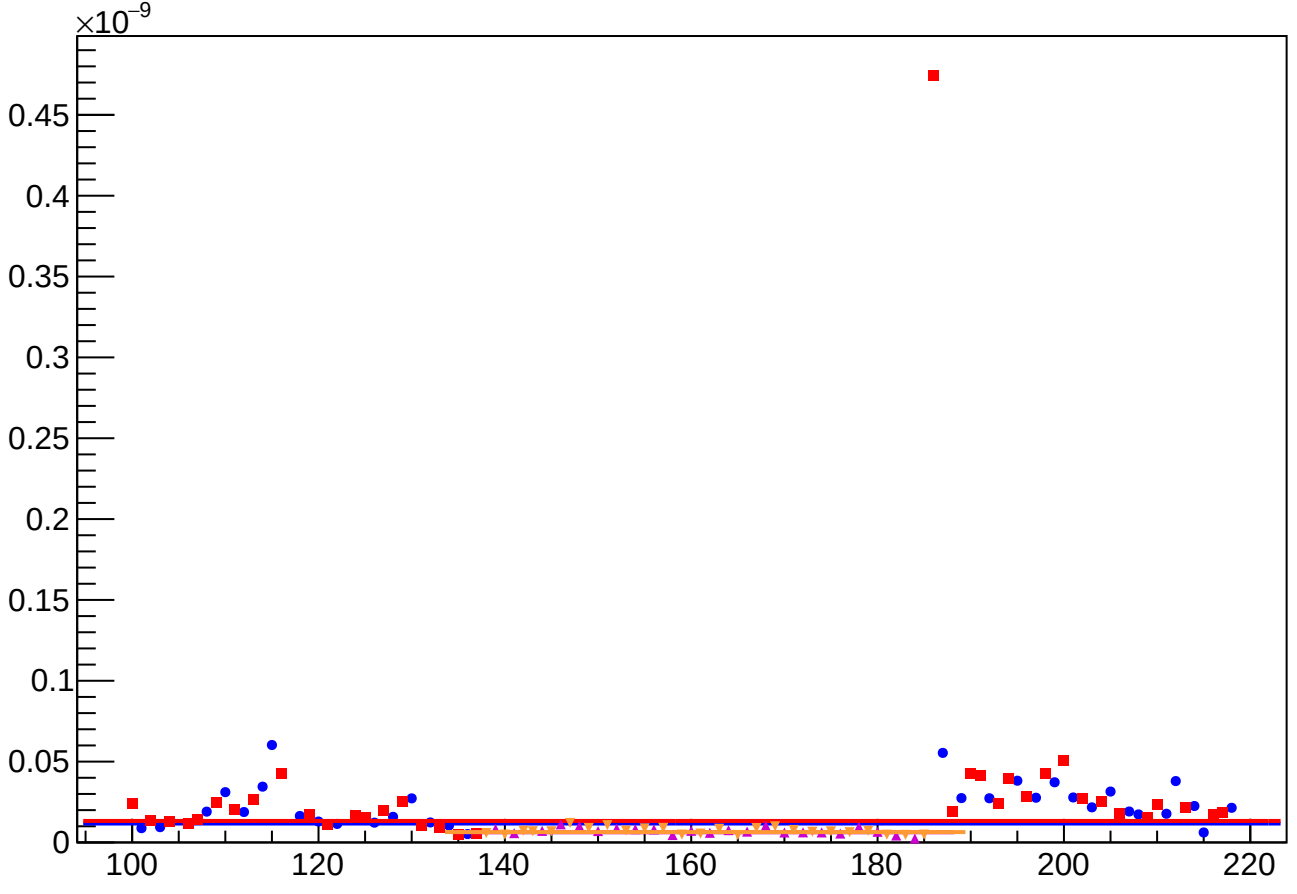
Right Out: 0.000+/-0.000 χ^2/NDF: 26.6/35

Left In: 0.000+/-0.000 χ^2/NDF:25.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 52.2/56

All: 0.000+/-0.000 χ^2/NDF: 104.2/115

- sign 0.000+/-0.000 χ^2/NDF: 52.0/58



Right In: 0.000+/-0.000 χ^2/NDF: 8614307.3/31

Left Out: 0.000+/-0.000 χ^2/NDF:1879116.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7787126.8/35

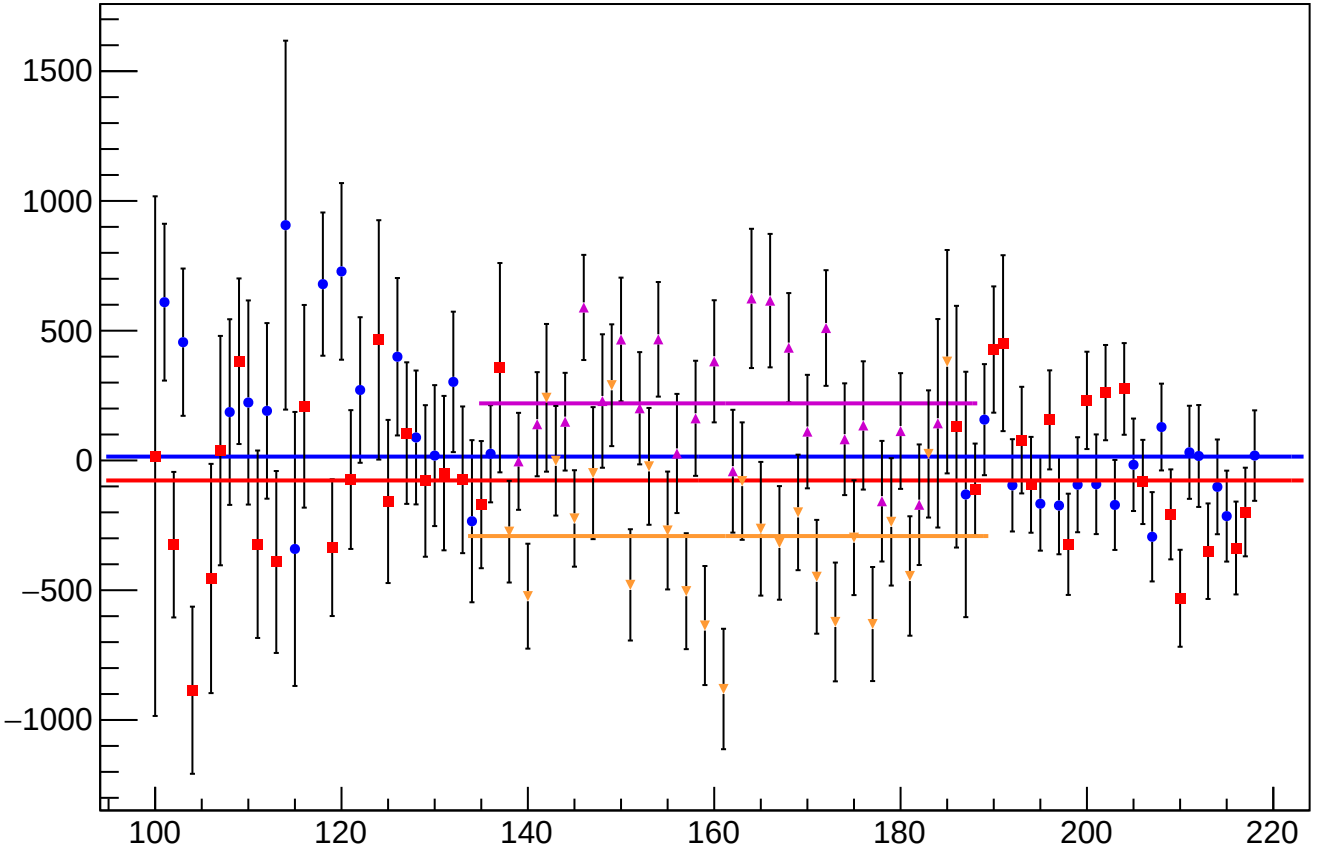
Left In: 0.000+/-0.000 χ^2/NDF:2127144.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 13627577.7/56

All: 0.000+/-0.000 χ^2/NDF: 28233844.3/115

- sign 0.000+/-0.000 χ^2/NDF: 14602648.7/58

reg_asym_sam_26_dd_mean vs Slug



Right In: 14.860+/-39.557 χ^2/NDF: 34.2/31

Left Out: -291.313+/-45.614 χ^2/NDF:36.4/24

Right Out: -77.071+/-39.690 χ^2/NDF: 48.0/35

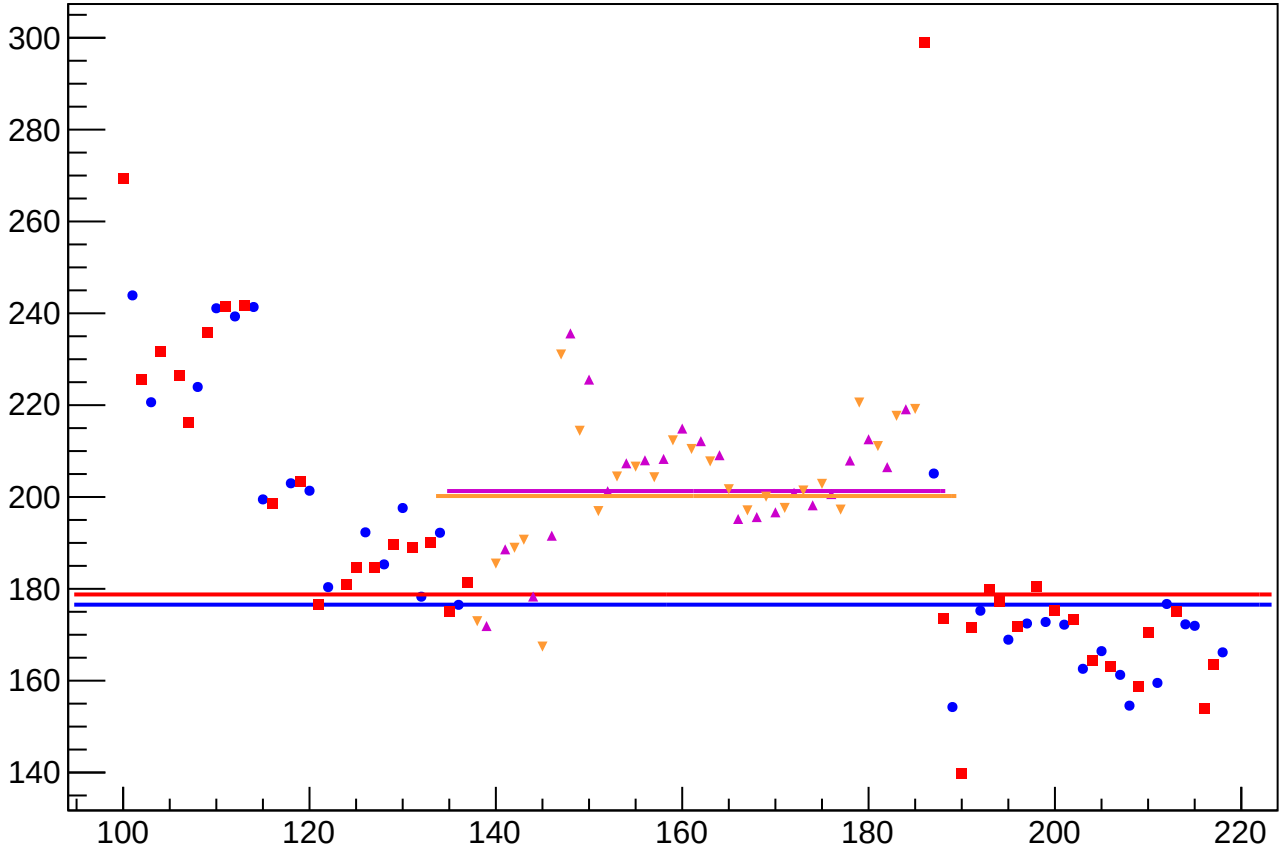
Left In: 219.974+/-47.146 χ^2/NDF:23.7/22

+ sign -116.565+/-29.885 χ^2/NDF: 96.3/56

All: -36.507+/-21.299 χ^2/NDF: 205.8/115

- sign 46.134+/-30.363 χ^2/NDF: 94.9/58

reg_asym_sam_26_dd_rms vs Slug



Right In: 176.552+/-0.028 χ^2/NDF: 513053.2/31

Left Out: 200.210+/-0.032 χ^2/NDF:204393.9/24

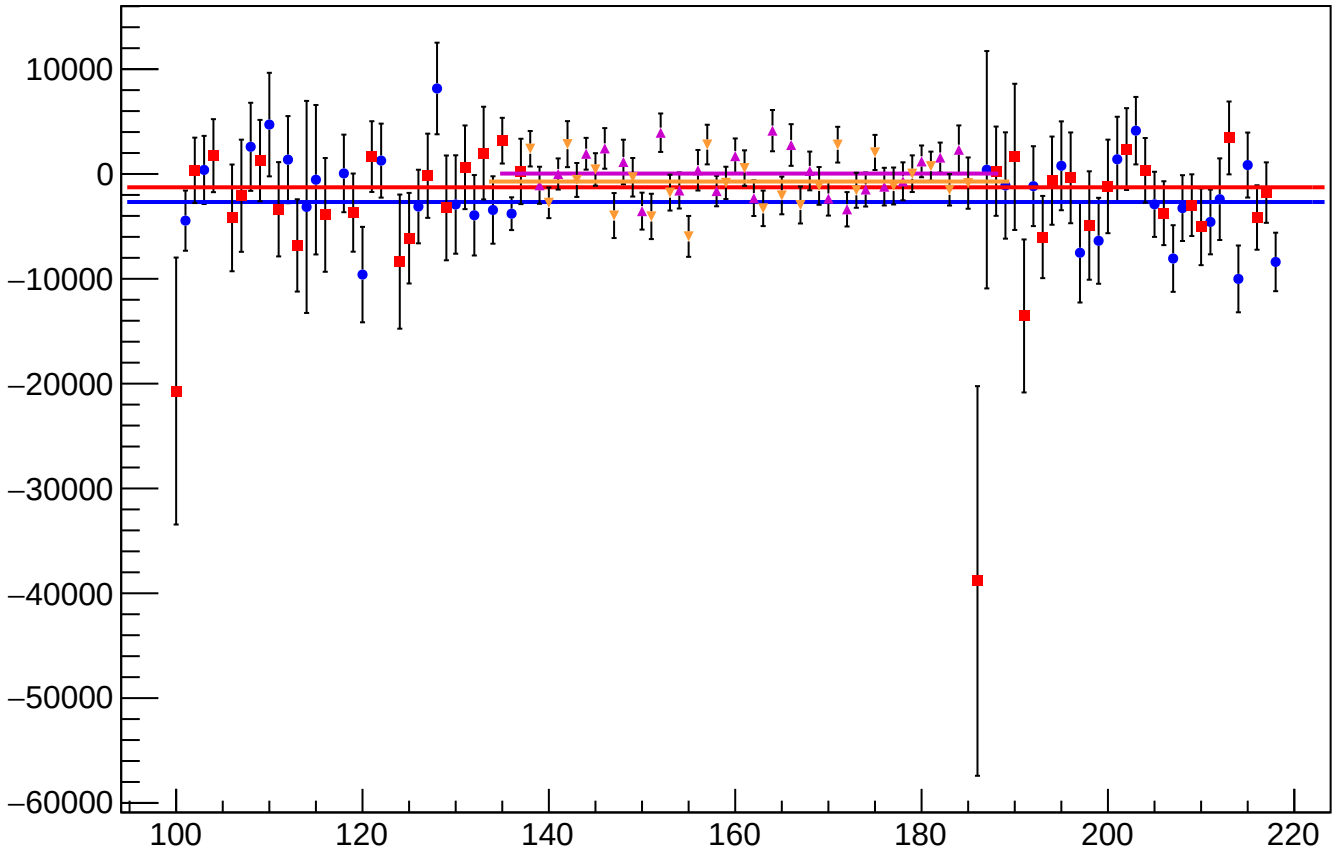
Right Out: 178.774+/-0.028 χ^2/NDF: 697355.3/35

Left In: 201.297+/-0.033 χ^2/NDF:181646.8/22

+ sign 186.707+/-0.021 χ^2/NDF: 1024515.3/56

All: 187.400+/-0.015 χ^2/NDF: 2172851.4/115

- sign 188.116+/-0.021 χ^2/NDF: 1146149.6/58



Right In: -2674.317+/-620.985 χ^2/NDF: 39.5/31

Left Out: -720.700+/-346.376 χ^2/NDF:38.3/24

Right Out: -1269.972+/-649.475 χ^2/NDF: 30.4/35

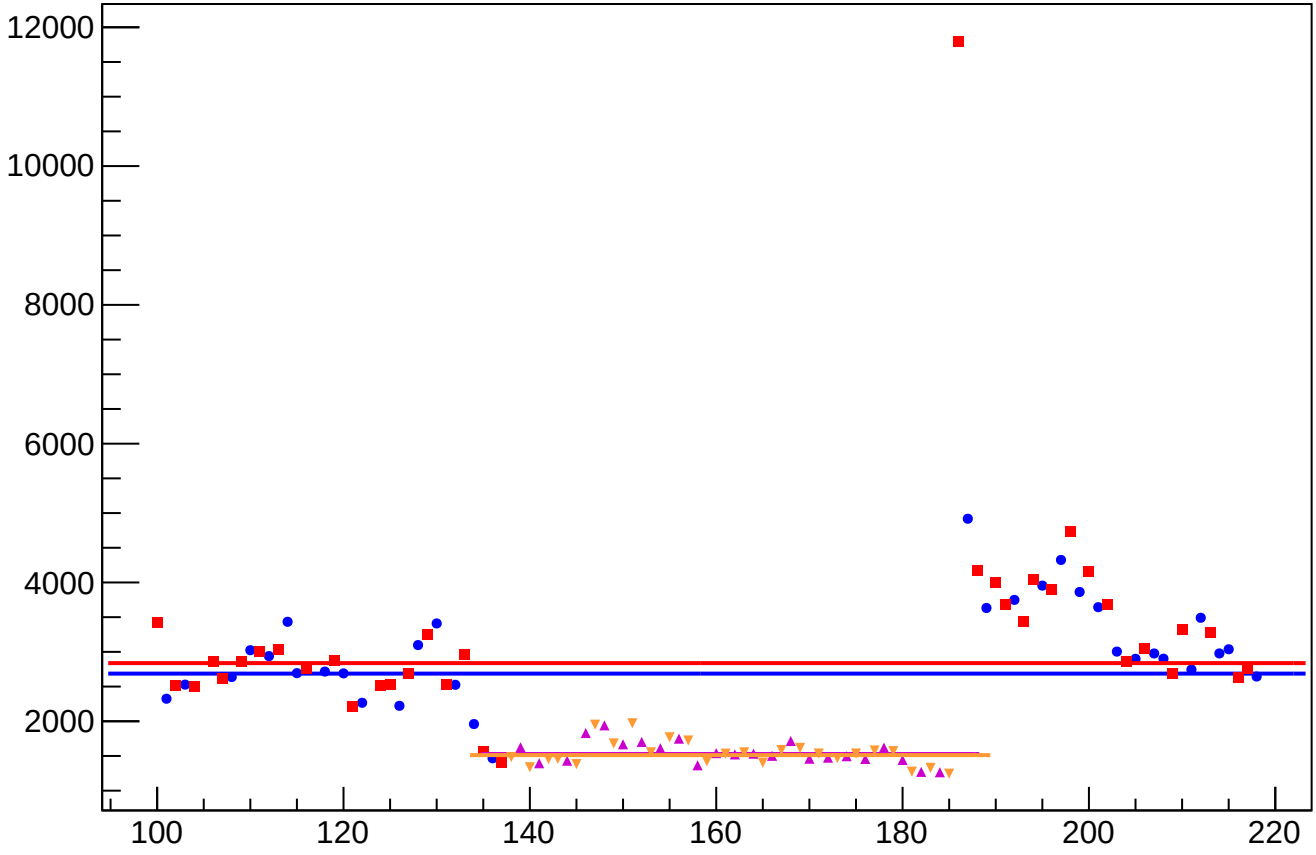
Left In: 39.277+/-359.265 χ^2/NDF:34.4/22

+ sign -1184.285+/-302.500 χ^2/NDF: 85.3/56

All: -743.519+/-217.976 χ^2/NDF: 157.7/115

- sign -267.476+/-314.373 χ^2/NDF: 68.0/58

asym_sam_26_dd_reg_correction_rms vs Slug



Right In: 2686.681+/-0.439 χ^2/NDF: 2696181.5/31

Left Out: 1512.365+/-0.245 χ^2/NDF:442558.0/24

Right Out: 2838.050+/-0.459 χ^2/NDF: 2985275.8/35

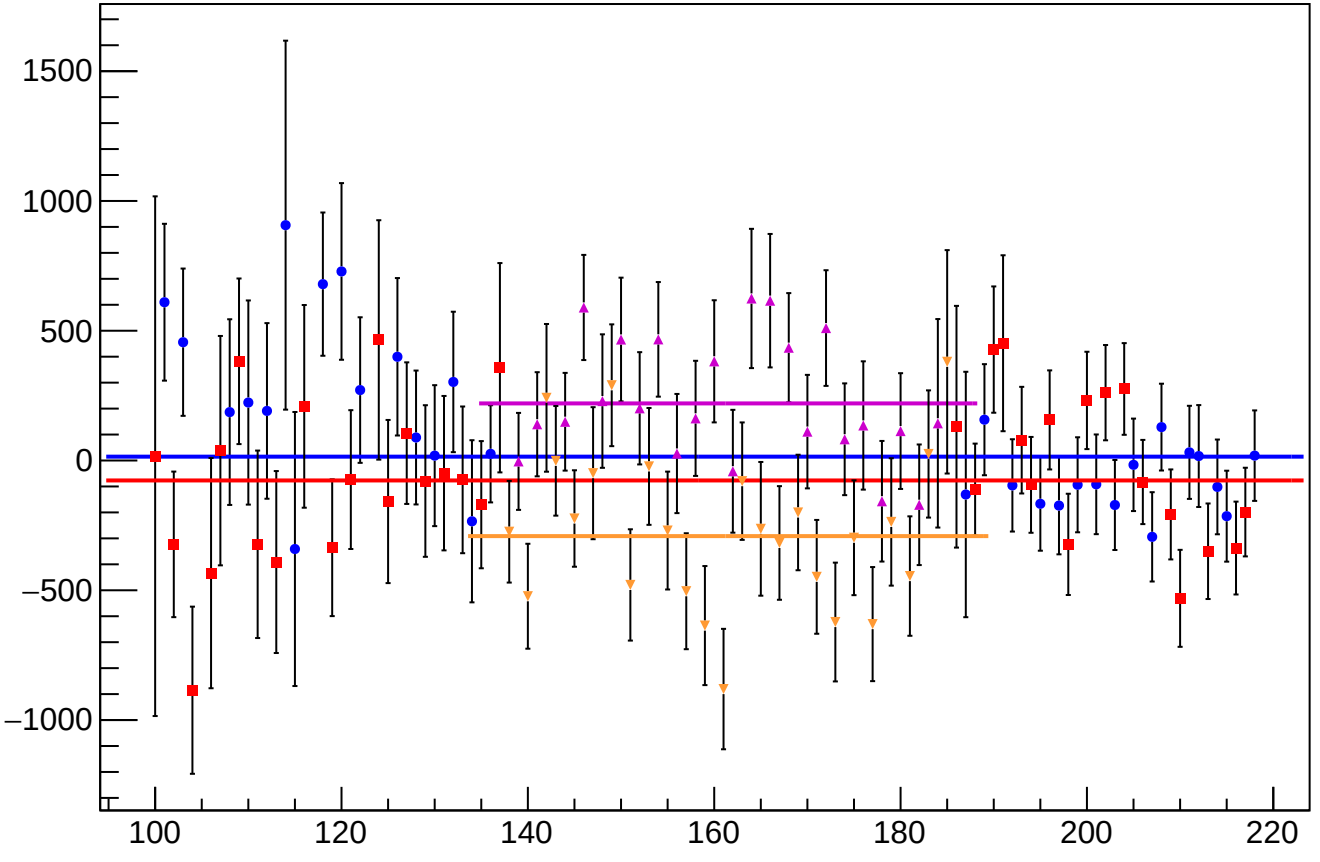
Left In: 1527.964+/-0.254 χ^2/NDF:373844.4/22

\+ sign 1791.025+/-0.214 χ^2/NDF: 8593739.2/56

All: 1812.124+/-0.154 χ^2/NDF: 18204214.6/1

\- sign 1834.913+/-0.222 χ^2/NDF: 9590235.8/58

cor_asym_sam_26_dd_mean vs Slug



Right In: 14.852+/-39.557 χ^2/NDF: 34.2/31

Left Out: -291.316+/-45.614 χ^2/NDF:36.4/24

Right Out: -76.838+/-39.692 χ^2/NDF: 47.9/35

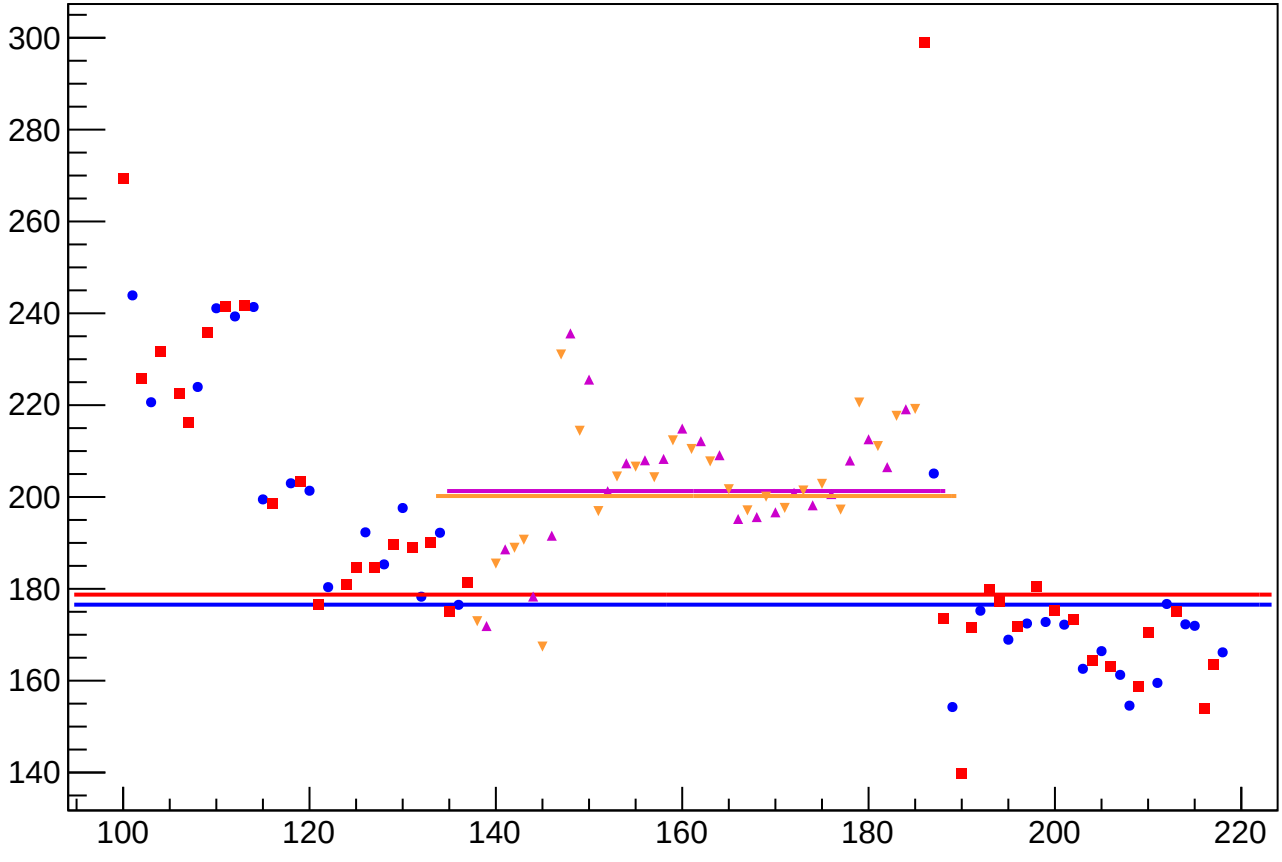
Left In: 219.983+/-47.146 χ^2/NDF:23.7/22

+ sign -116.571+/-29.885 χ^2/NDF: 96.3/56

All: -36.440+/-21.299 χ^2/NDF: 205.7/115

- sign 46.280+/-30.364 χ^2/NDF: 94.8/58

cor_asym_sam_26_dd_rms vs Slug



Right In: 176.552+/-0.028 χ^2/NDF: 513053.8/31

Left Out: 200.210+/-0.032 χ^2/NDF:204394.0/24

Right Out: 178.740+/-0.028 χ^2/NDF: 693628.8/35

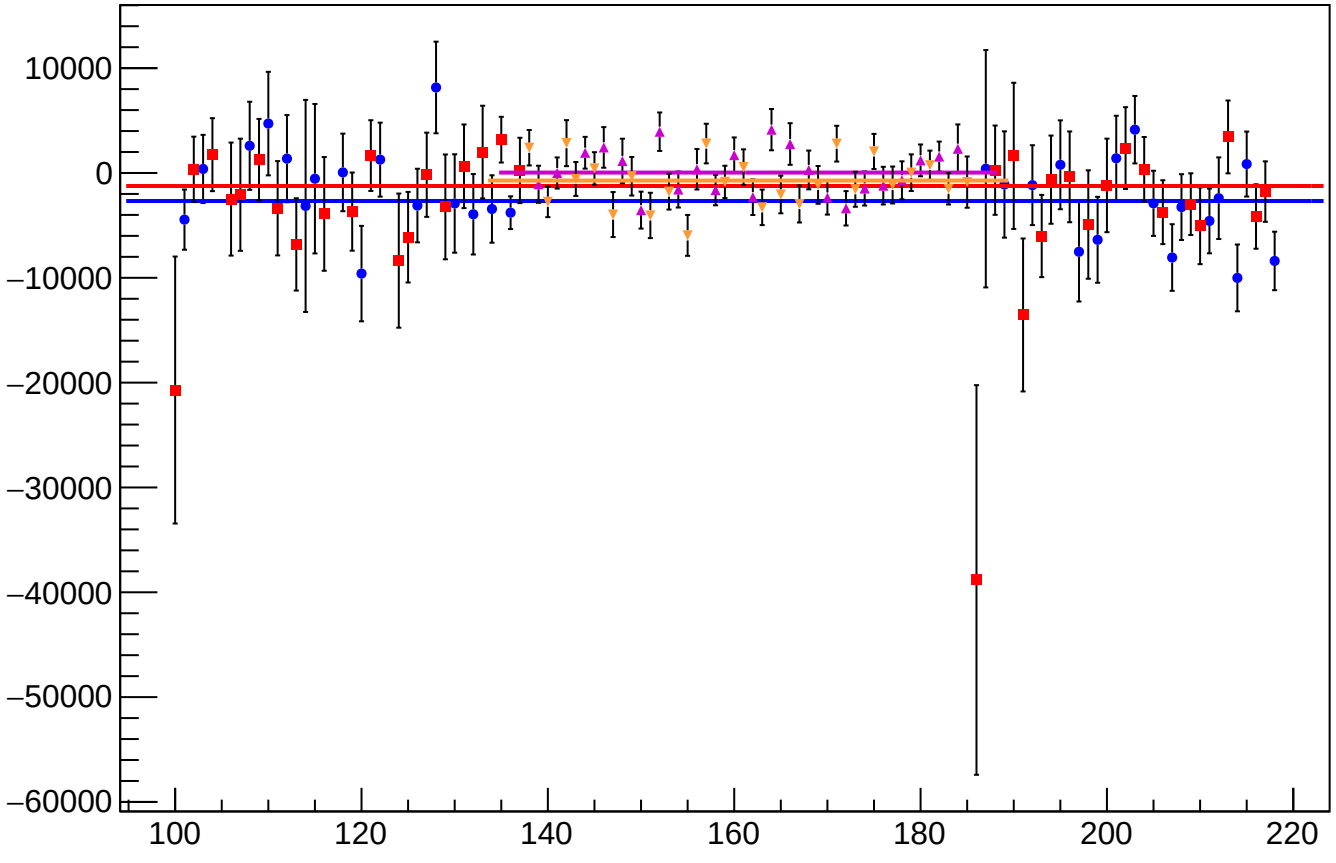
Left In: 201.297+/-0.033 χ^2/NDF:181646.8/22

\+ sign 186.707+/-0.021 χ^2/NDF: 1024515.8/56

All: 187.391+/-0.015 χ^2/NDF: 2169861.5/115

\- sign 188.096+/-0.021 χ^2/NDF: 1143219.0/58

asym_sam_26_dd_cor_correction_mean vs Slug



Right In: -2674.306+/-620.985 χ^2/NDF: 39.5/31

Left Out: -720.705+/-346.376 χ^2/NDF:38.3/24

Right Out: -1240.243+/-650.060 χ^2/NDF: 30.1/35

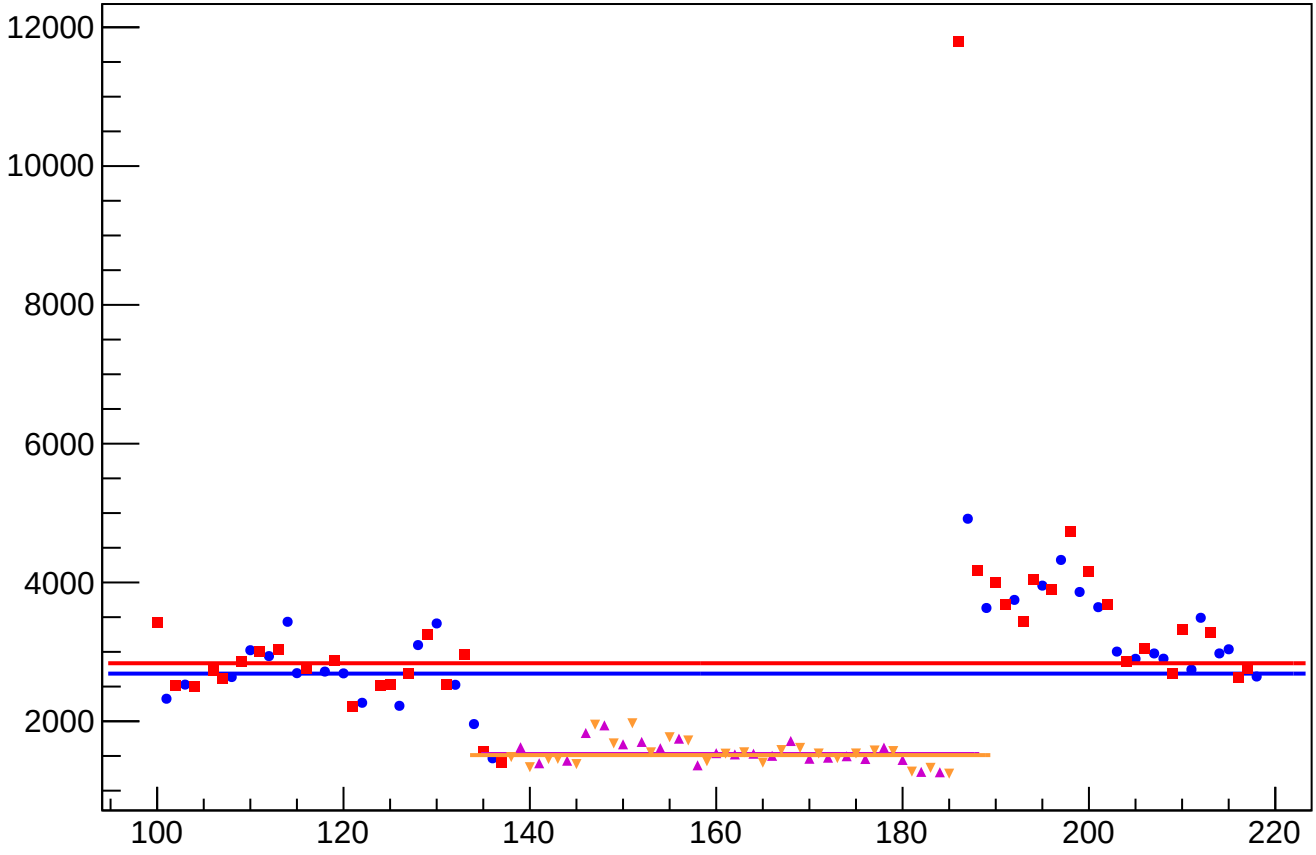
Left In: 39.275+/-359.265 χ^2/NDF:34.4/22

+ sign -1184.286+/-302.500 χ^2/NDF: 85.3/56

All: -740.070+/-217.999 χ^2/NDF: 157.3/115

- sign -260.098+/-314.439 χ^2/NDF: 67.5/58

asym_sam_26_dd_cor_correction_rms vs Slug



Right In: 2686.684+/-0.439 χ^2/NDF: 2696174.0/31

Left Out: 1512.365+/-0.245 χ^2/NDF:442559.1/24

Right Out: 2836.070+/-0.460 χ^2/NDF: 2985844.3/35

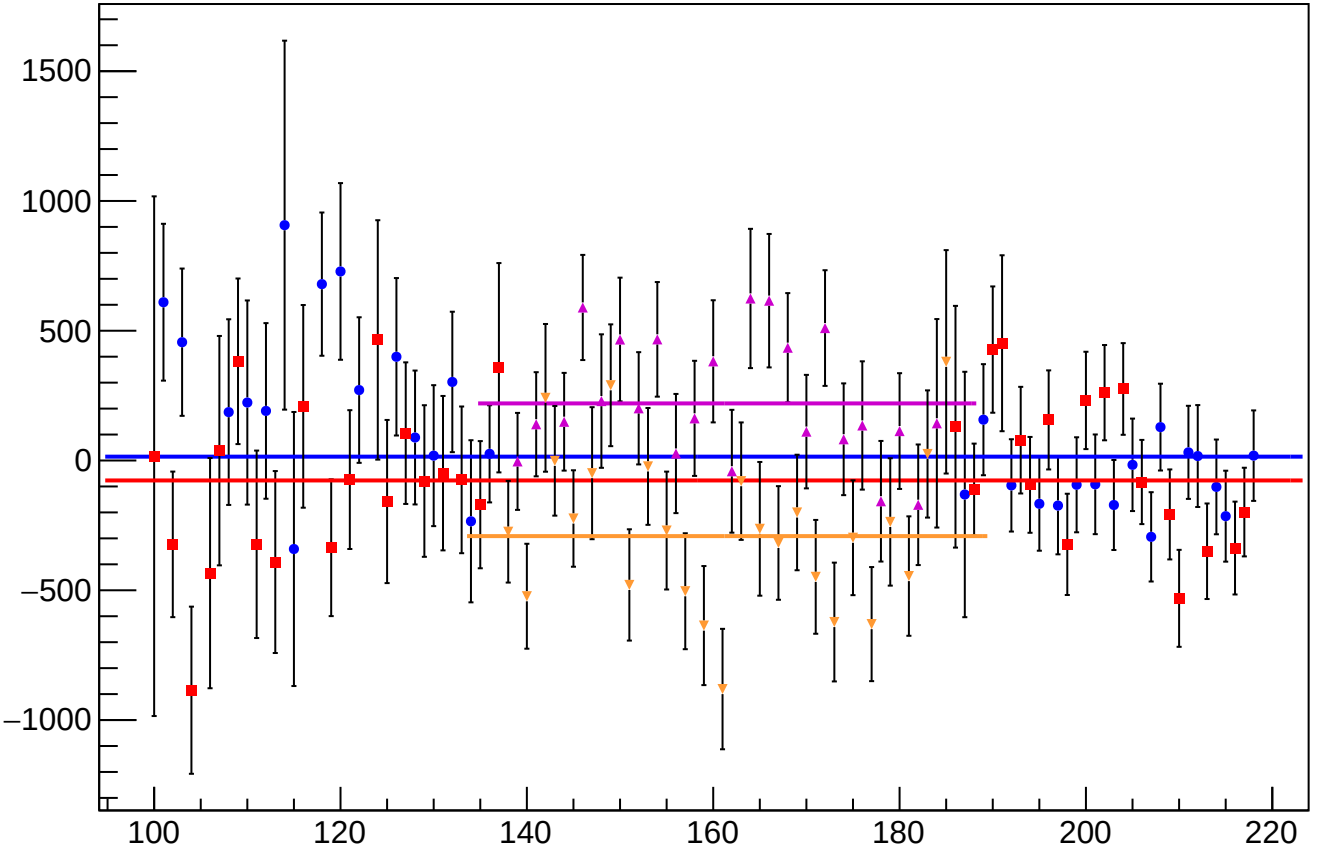
Left In: 1527.964+/-0.254 χ^2/NDF:373845.3/22

+ sign 1791.025+/-0.214 χ^2/NDF: 8593749.4/56

All: 1811.694+/-0.154 χ^2/NDF: 18176580.5/1

- sign 1834.026+/-0.222 χ^2/NDF: 9563405.7/58

eigen_cor_asym_sam_26_dd_mean vs Slug



Right In: 14.852+/-39.557 χ^2/NDF: 34.2/31

Left Out: -291.316+/-45.614 χ^2/NDF:36.4/24

Right Out: -76.838+/-39.692 χ^2/NDF: 47.9/35

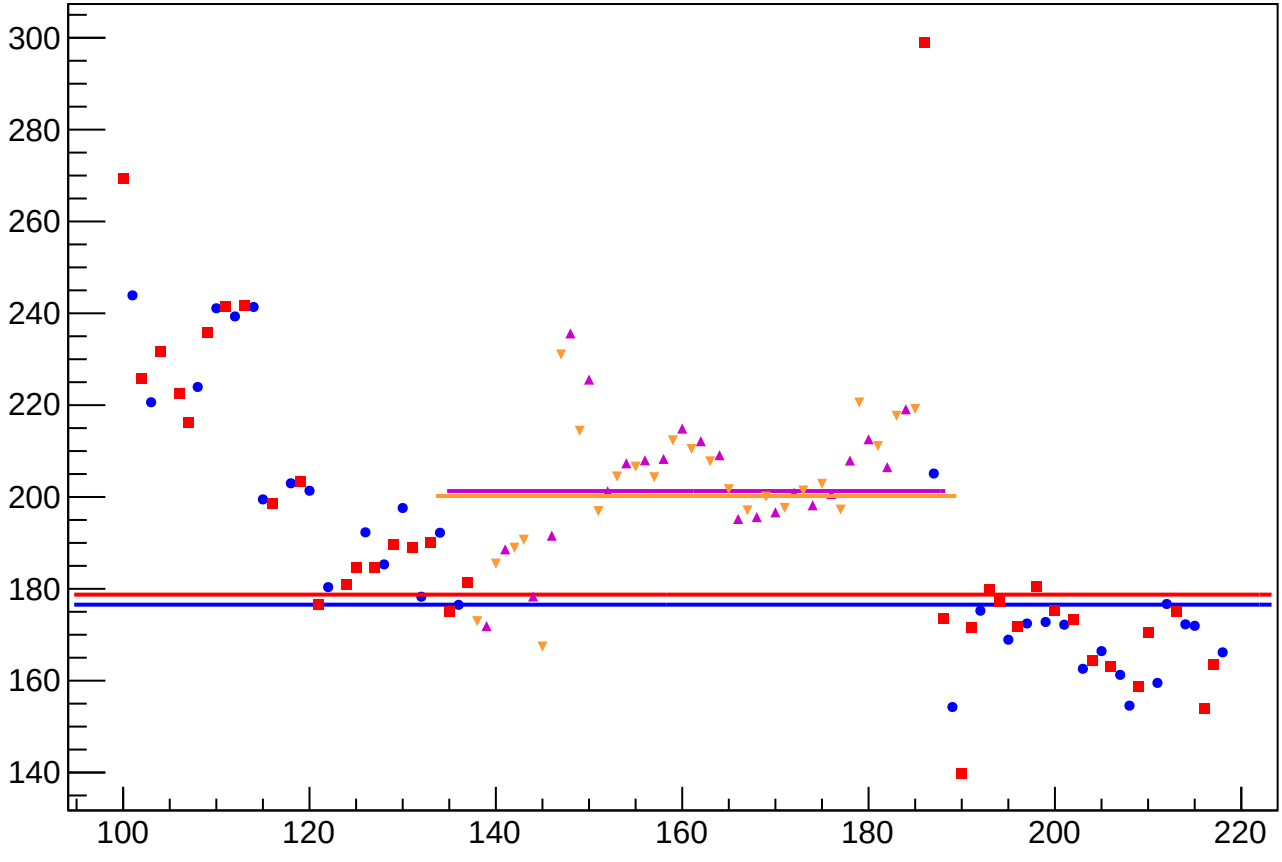
Left In: 219.983+/-47.146 χ^2/NDF:23.7/22

+ sign -116.571+/-29.885 χ^2/NDF: 96.3/56

All: -36.440+/-21.299 χ^2/NDF: 205.7/115

- sign 46.280+/-30.364 χ^2/NDF: 94.8/58

eigen_cor_asym_sam_26_dd_rms vs Slug



Right In: 176.552+/-0.028 χ^2/NDF: 513053.8/31

Left Out: 200.210+/-0.032 χ^2/NDF:204394.0/24

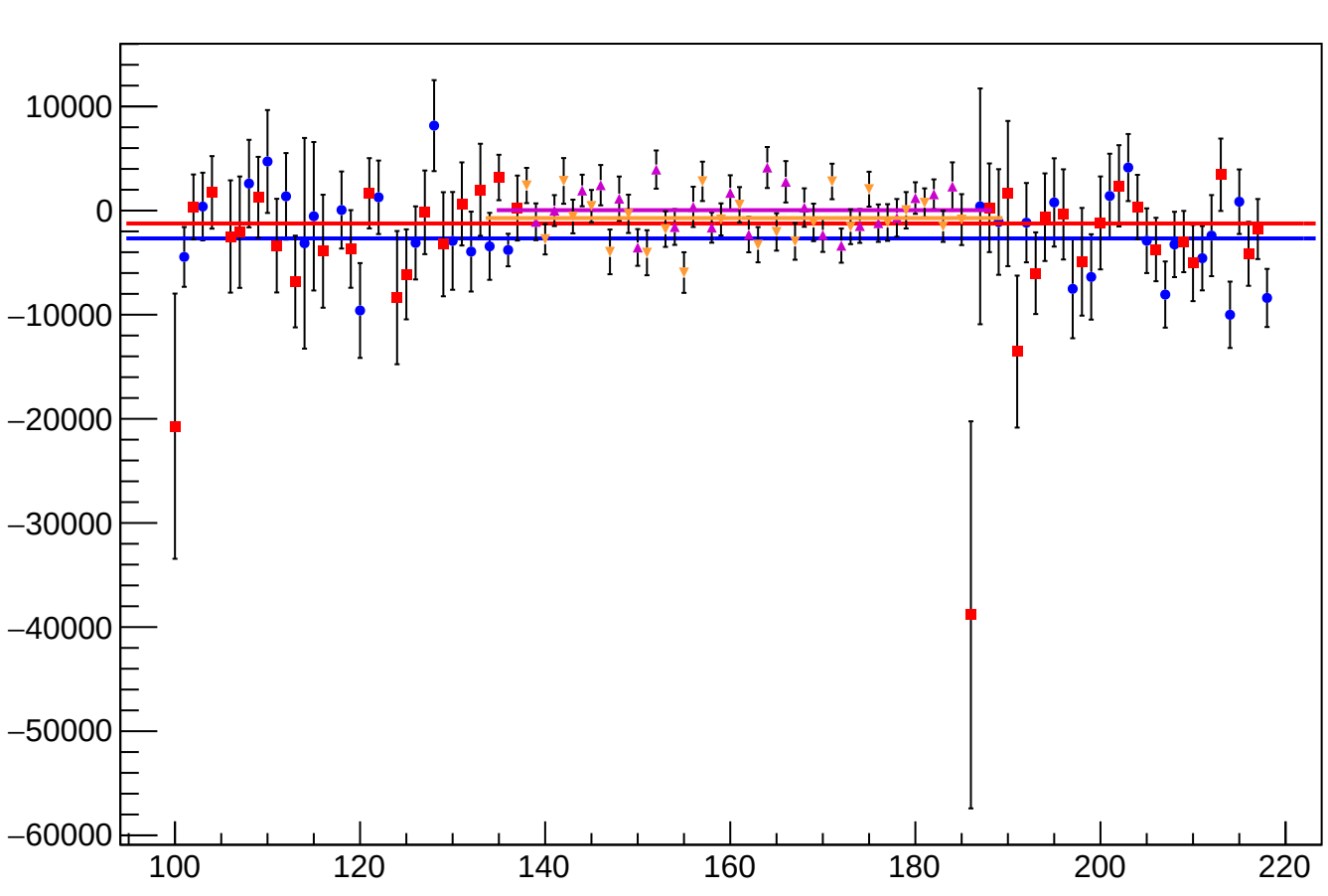
Right Out: 178.740+/-0.028 χ^2/NDF: 693628.8/35

Left In: 201.297+/-0.033 χ^2/NDF:181646.8/22

+ sign 186.707+/-0.021 χ^2/NDF: 1024515.8/56

All: 187.391+/-0.015 χ^2/NDF: 2169861.5/115

- sign 188.096+/-0.021 χ^2/NDF: 1143219.0/58



Right In: -2674.306+/-620.985 χ^2/NDF: 39.5/31

Left Out: -720.705+/-346.376 χ^2/NDF:38.3/24

Right Out: -1240.243+/-650.060 χ^2/NDF: 30.1/35

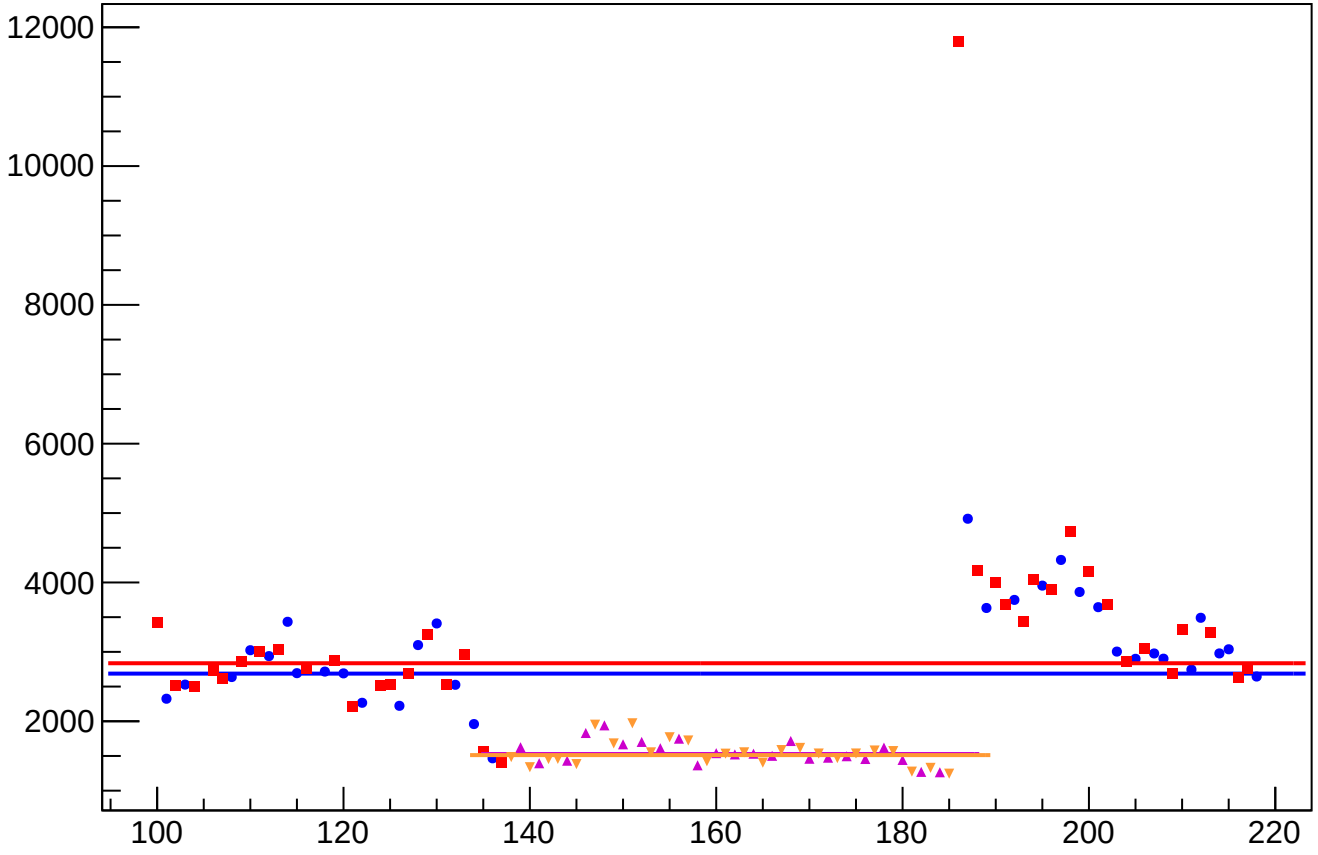
Left In: 39.275+/-359.265 χ^2/NDF:34.4/22

+ sign -1184.286+/-302.500 χ^2/NDF: 85.3/56

All: -740.070+/-217.999 χ^2/NDF: 157.3/115

- sign -260.098+/-314.439 χ^2/NDF: 67.5/58

asym_sam_26_dd_eigen_cor_correction_rms vs Slug



Right In: 2686.684+/-0.439 χ^2/NDF: 2696174.0/31

Left Out: 1512.365+/-0.245 χ^2/NDF:442559.1/24

Right Out: 2836.070+/-0.460 χ^2/NDF: 2985844.3/35

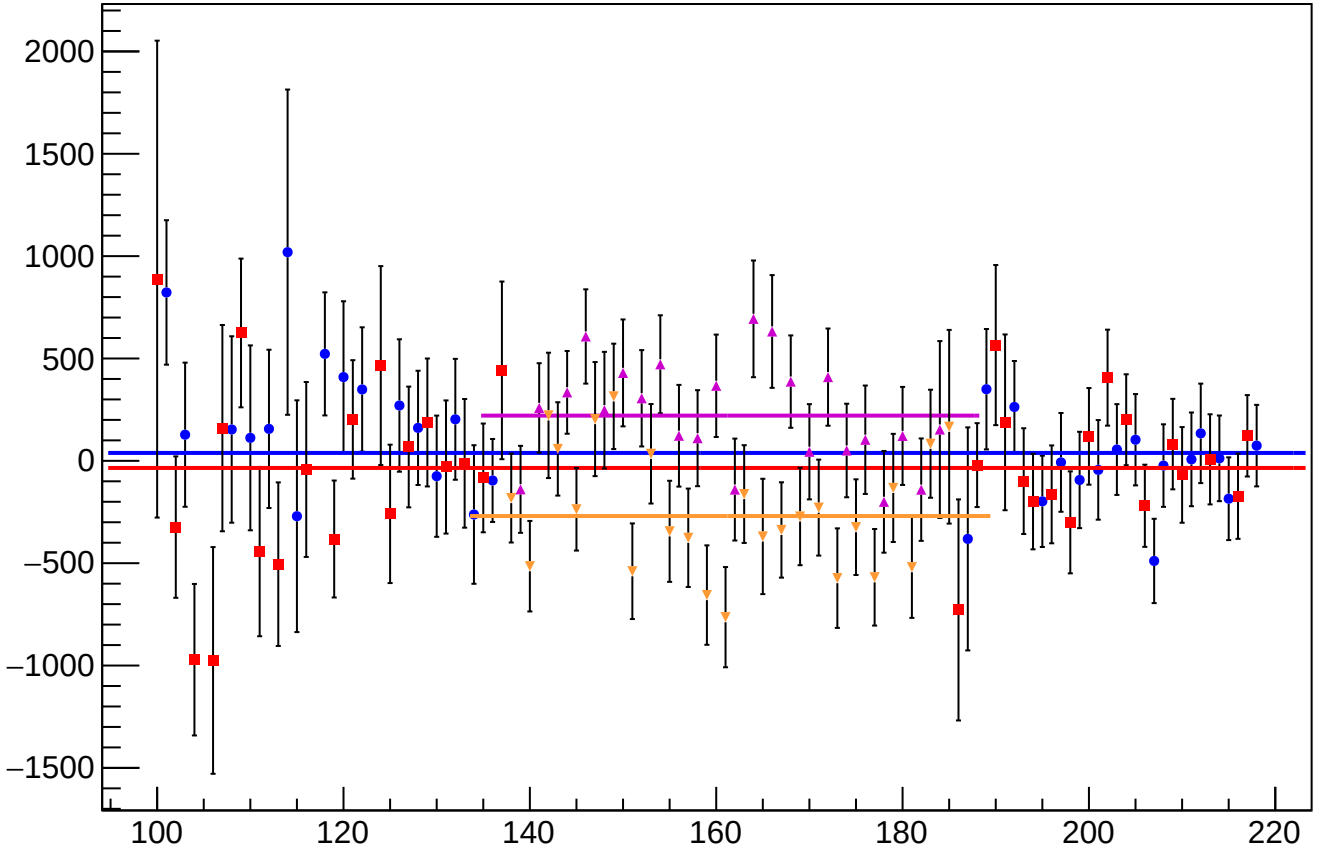
Left In: 1527.964+/-0.254 χ^2/NDF:373845.3/22

+ sign 1791.025+/-0.214 χ^2/NDF: 8593749.4/56

All: 1811.694+/-0.154 χ^2/NDF: 18176580.5/1

- sign 1834.026+/-0.222 χ^2/NDF: 9563405.7/58

dit_asym_sam_26_dd_mean vs Slug



Right In: 38.654+/-47.198 χ^2/NDF: 26.5/31

Left Out: -269.678+/-49.158 χ^2/NDF:31.5/24

Right Out: -34.733+/-47.569 χ^2/NDF: 35.5/35

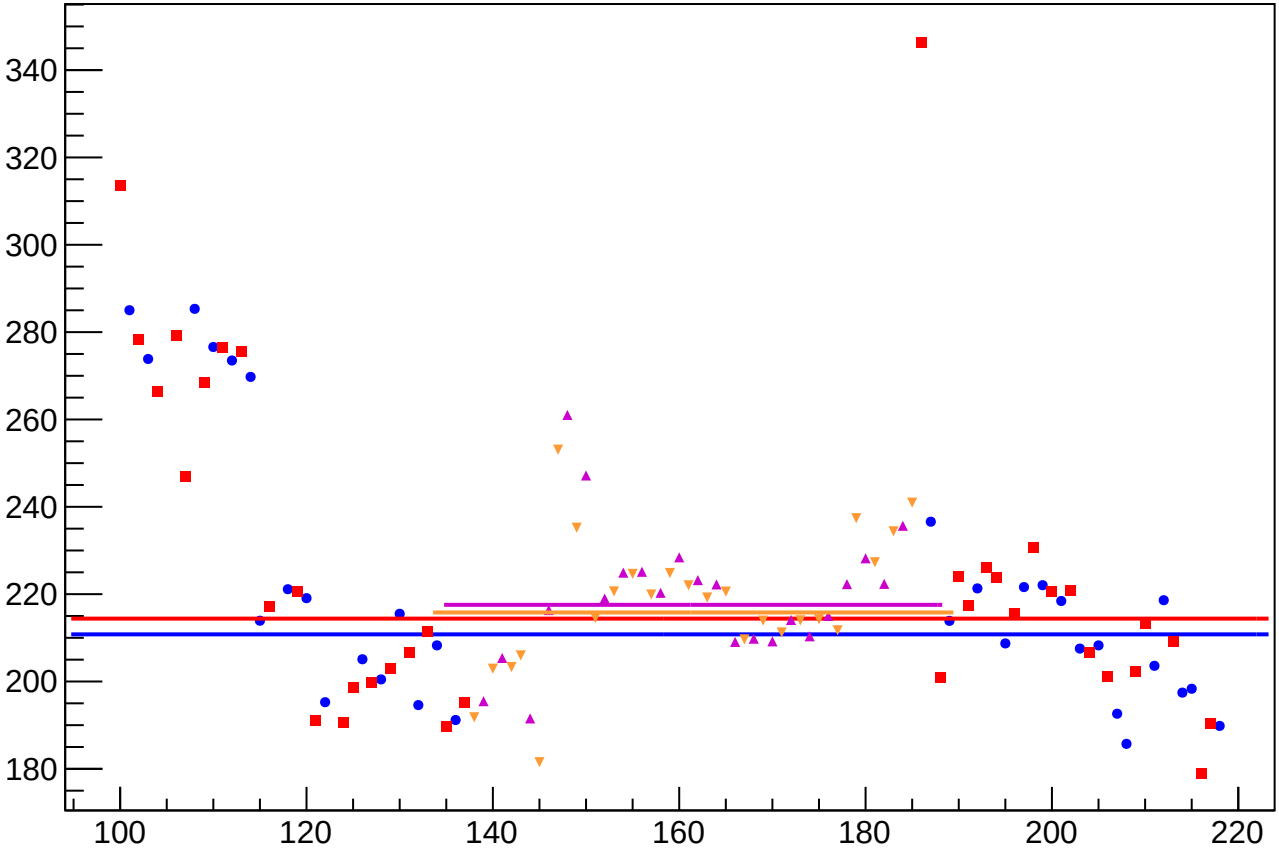
Left In: 220.926+/-50.956 χ^2/NDF:23.4/22

+ sign -109.243+/-34.046 χ^2/NDF: 78.5/56

All: -14.505+/-24.327 χ^2/NDF: 166.7/115

- sign 84.319+/-34.772 χ^2/NDF: 72.4/58

dit_asym_sam_26_dd_rms vs Slug



Right In: 210.794+/-0.033 χ^2/NDF: 458663.5/31

Left Out: 215.807+/-0.035 χ^2/NDF:188699.2/24

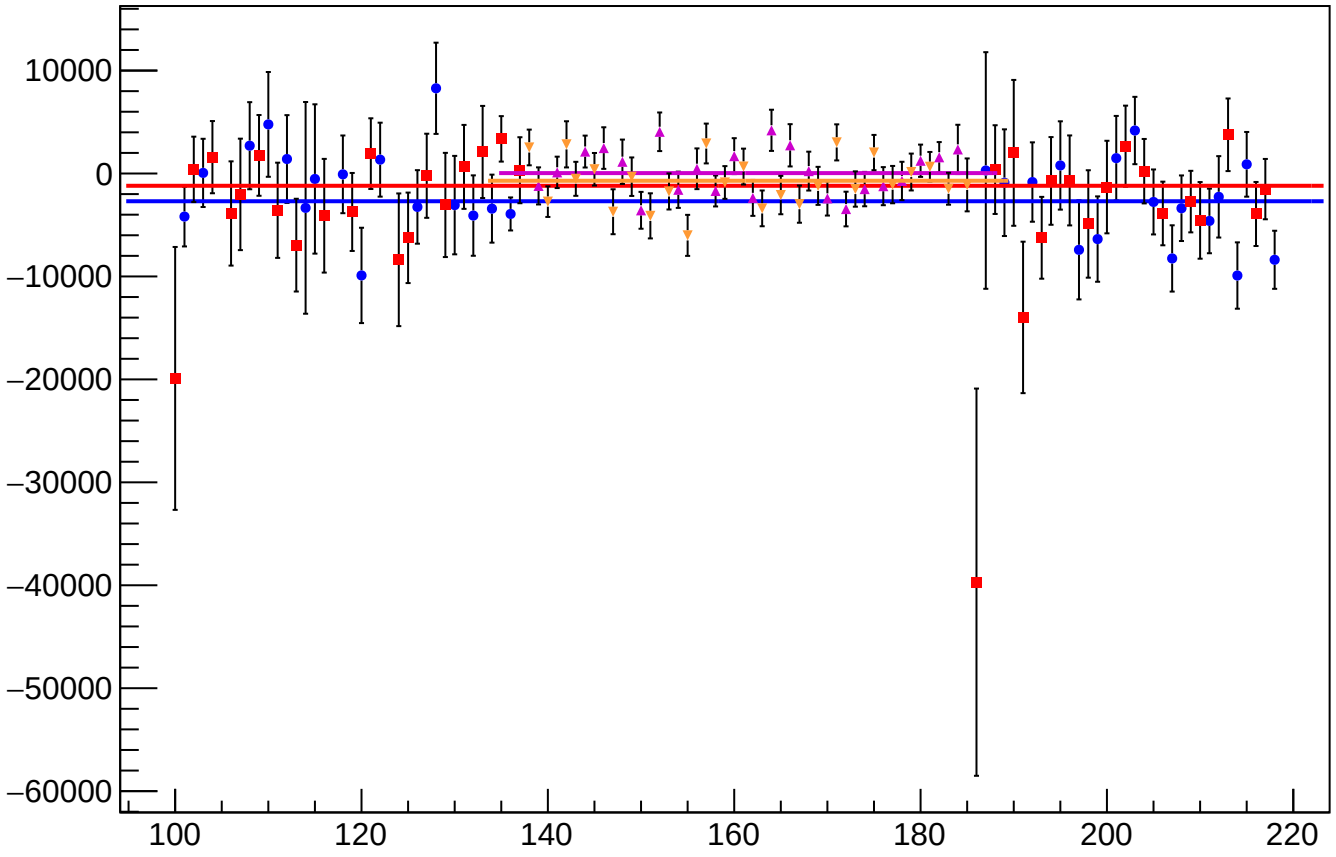
Right Out: 214.398+/-0.034 χ^2/NDF: 600881.3/35

Left In: 217.555+/-0.036 χ^2/NDF:161066.4/22

+ sign 213.198+/-0.024 χ^2/NDF: 658185.3/56

All: 214.505+/-0.017 χ^2/NDF: 1430254.4/115

- sign 215.868+/-0.025 χ^2/NDF: 766049.7/58



Right In: -2694.248+/-631.706 χ^2/NDF: 38.9/31

Left Out: -704.012+/-355.462 χ^2/NDF:37.6/24

Right Out: -1192.474+/-658.996 χ^2/NDF: 30.8/35

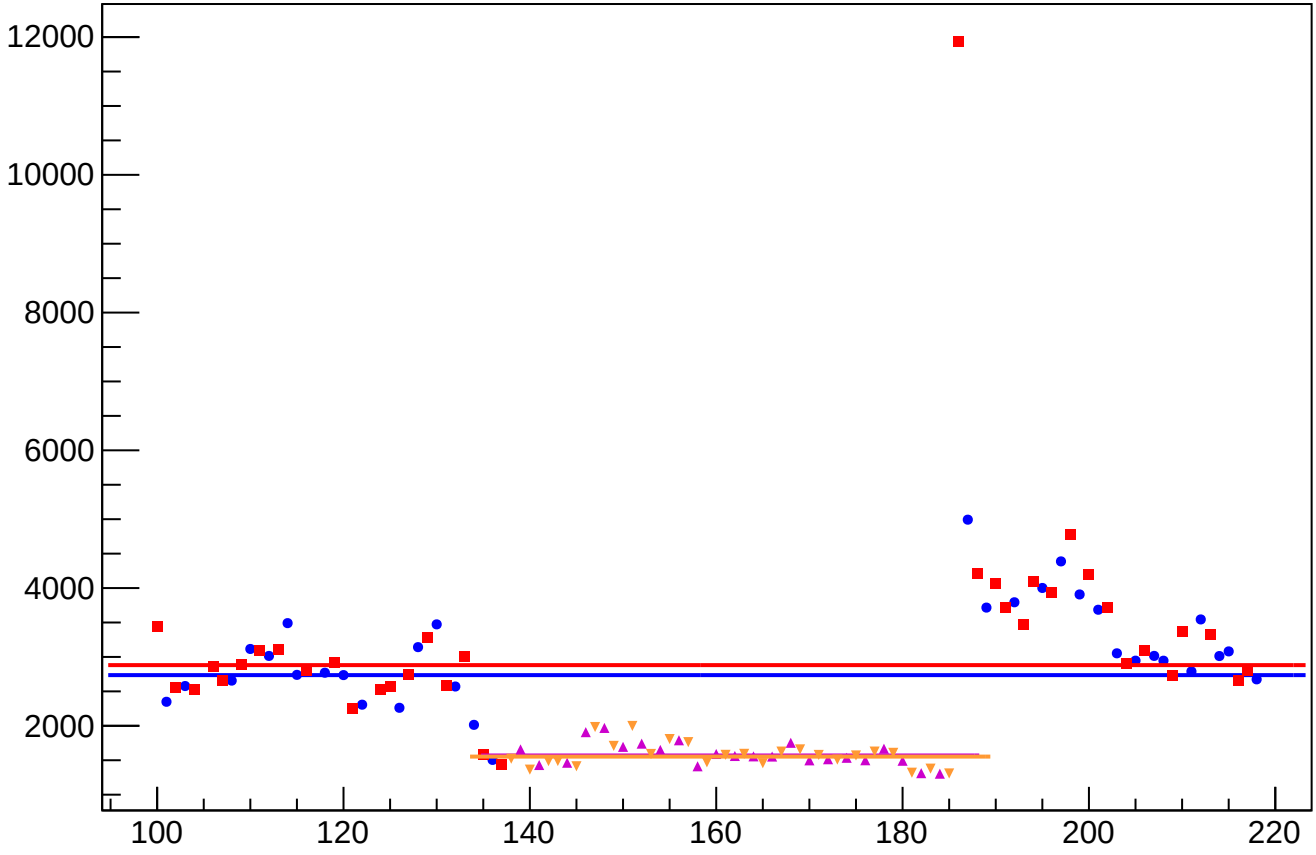
Left In: 39.658+/-368.873 χ^2/NDF:34.3/22

+ sign -1182.637+/-309.785 χ^2/NDF: 84.1/56

All: -736.232+/-223.204 χ^2/NDF: 156.2/115

- sign -254.294+/-321.879 χ^2/NDF: 67.8/58

asym_sam_26_dd_dit_correction_rms vs Slug



Right In: 2736.026+/-0.447 χ^2/NDF: 2627915.2/31

Left Out: 1553.019+/-0.251 χ^2/NDF:409933.8/24

Right Out: 2881.264+/-0.466 χ^2/NDF: 2945512.5/35

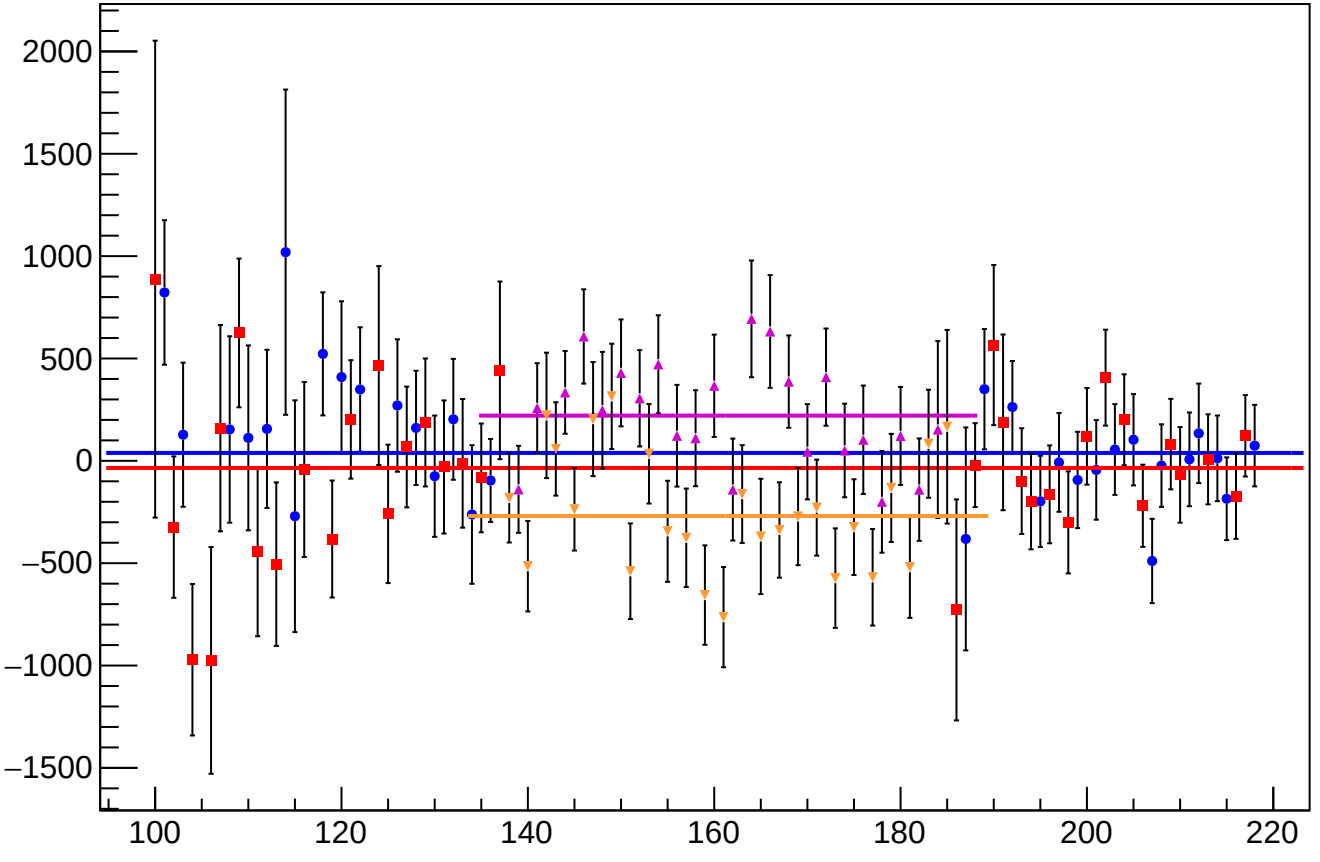
Left In: 1569.383+/-0.261 χ^2/NDF:357481.9/22

+ sign 1837.517+/-0.219 χ^2/NDF: 8365177.8/56

All: 1859.080+/-0.158 χ^2/NDF: 17723400.0/1

- sign 1882.361+/-0.228 χ^2/NDF: 9338069.4/58

eigen_dit_asym_sam_26_dd_mean vs Slug



Right In: 38.658+/-47.198 χ^2/NDF: 26.5/31

Left Out: -269.680+/-49.158 χ^2/NDF:31.5/24

Right Out: -34.731+/-47.569 χ^2/NDF: 35.5/35

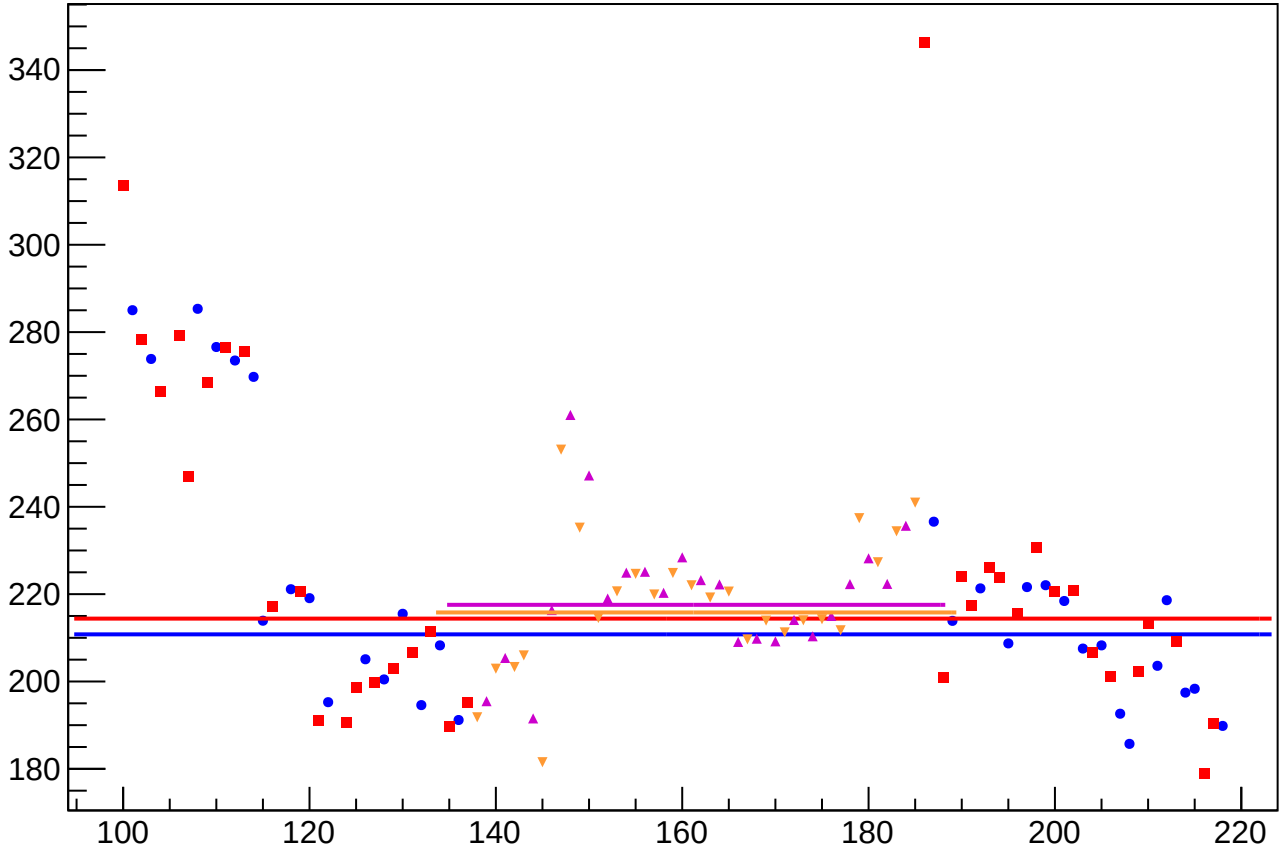
Left In: 220.927+/-50.956 χ^2/NDF:23.4/22

+ sign -109.242+/-34.046 χ^2/NDF: 78.5/56

All: -14.504+/-24.327 χ^2/NDF: 166.7/115

- sign 84.320+/-34.772 χ^2/NDF: 72.4/58

eigen_dit_asym_sam_26_dd_rms vs Slug



Right In: 210.793+/-0.033 χ^2/NDF: 458653.2/31

Left Out: 215.806+/-0.035 χ^2/NDF:188703.4/24

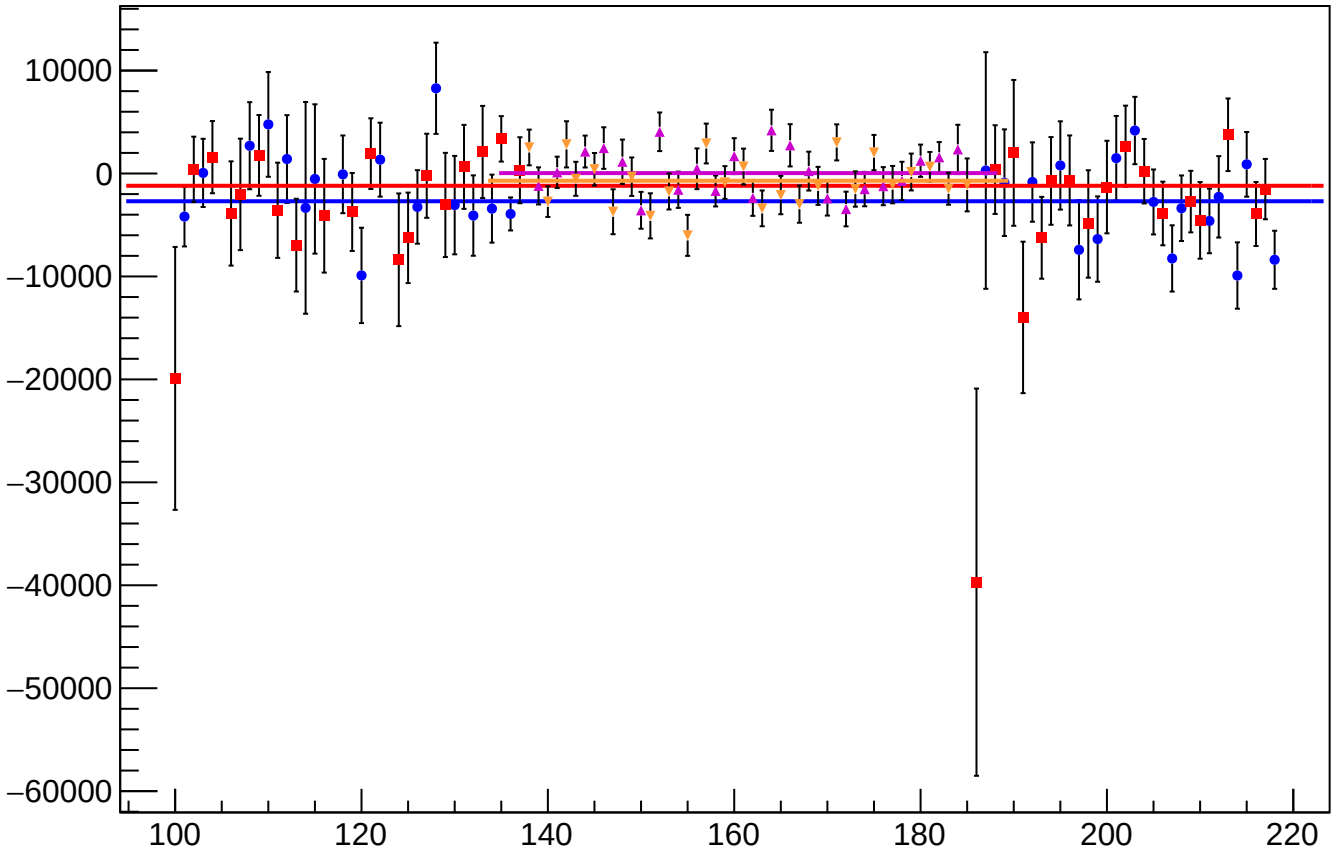
Right Out: 214.398+/-0.034 χ^2/NDF: 600859.5/35

Left In: 217.555+/-0.036 χ^2/NDF:161069.0/22

+ sign 213.198+/-0.024 χ^2/NDF: 658180.4/56

All: 214.505+/-0.017 χ^2/NDF: 1430230.6/115

- sign 215.868+/-0.025 χ^2/NDF: 766030.6/58



Right In: -2694.245+/-631.706 χ^2/NDF: 38.9/31

Left Out: -704.012+/-355.462 χ^2/NDF:37.6/24

Right Out: -1192.472+/-658.995 χ^2/NDF: 30.8/35

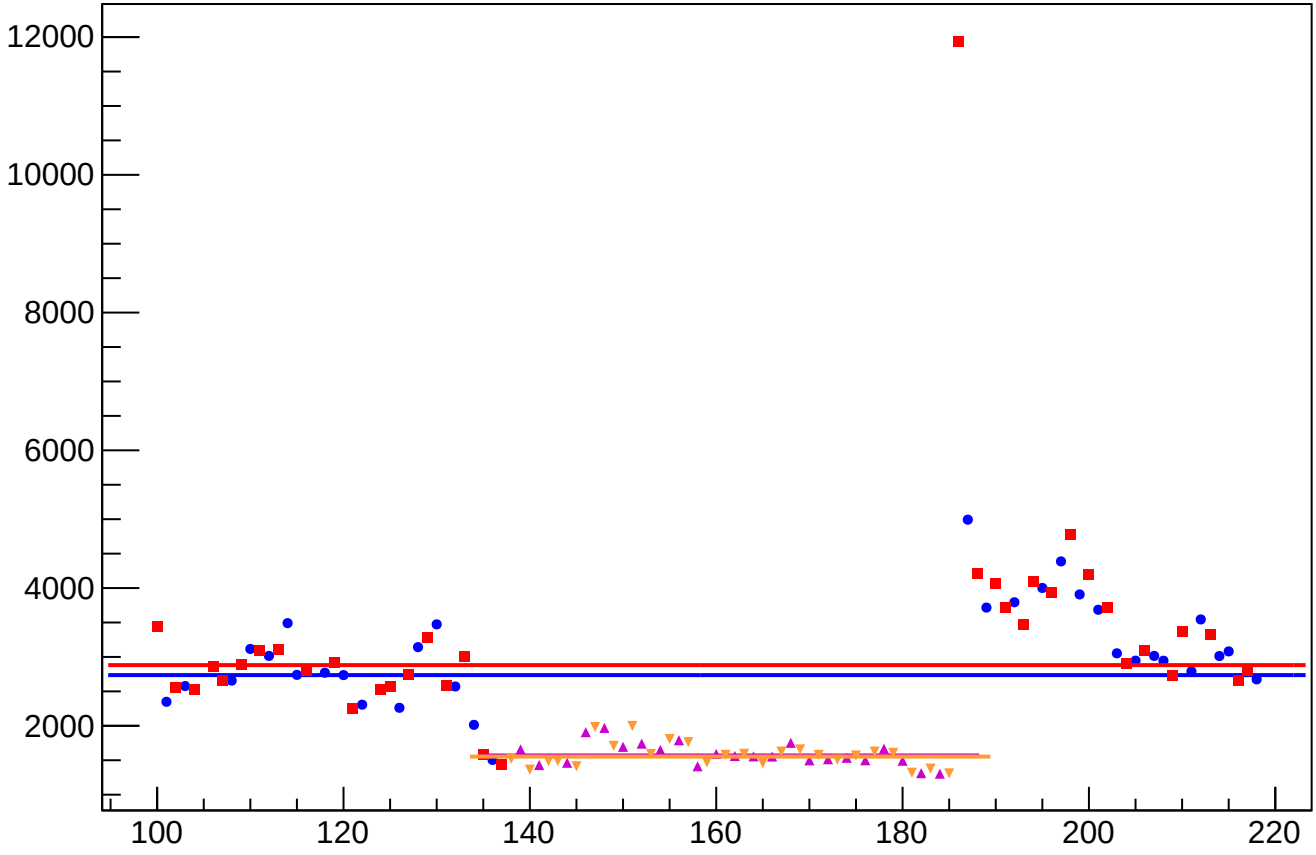
Left In: 39.657+/-368.873 χ^2/NDF:34.3/22

+ sign -1182.638+/-309.785 χ^2/NDF: 84.1/56

All: -736.233+/-223.204 χ^2/NDF: 156.2/115

- sign -254.294+/-321.878 χ^2/NDF: 67.8/58

asym_sam_26_dd_eigen_dit_correction_rms vs Slug



Right In: 2736.024+/-0.447 χ^2/NDF: 2627914.2/31

Left Out: 1553.020+/-0.251 χ^2/NDF:409936.6/24

Right Out: 2881.262+/-0.466 χ^2/NDF: 2945514.7/35

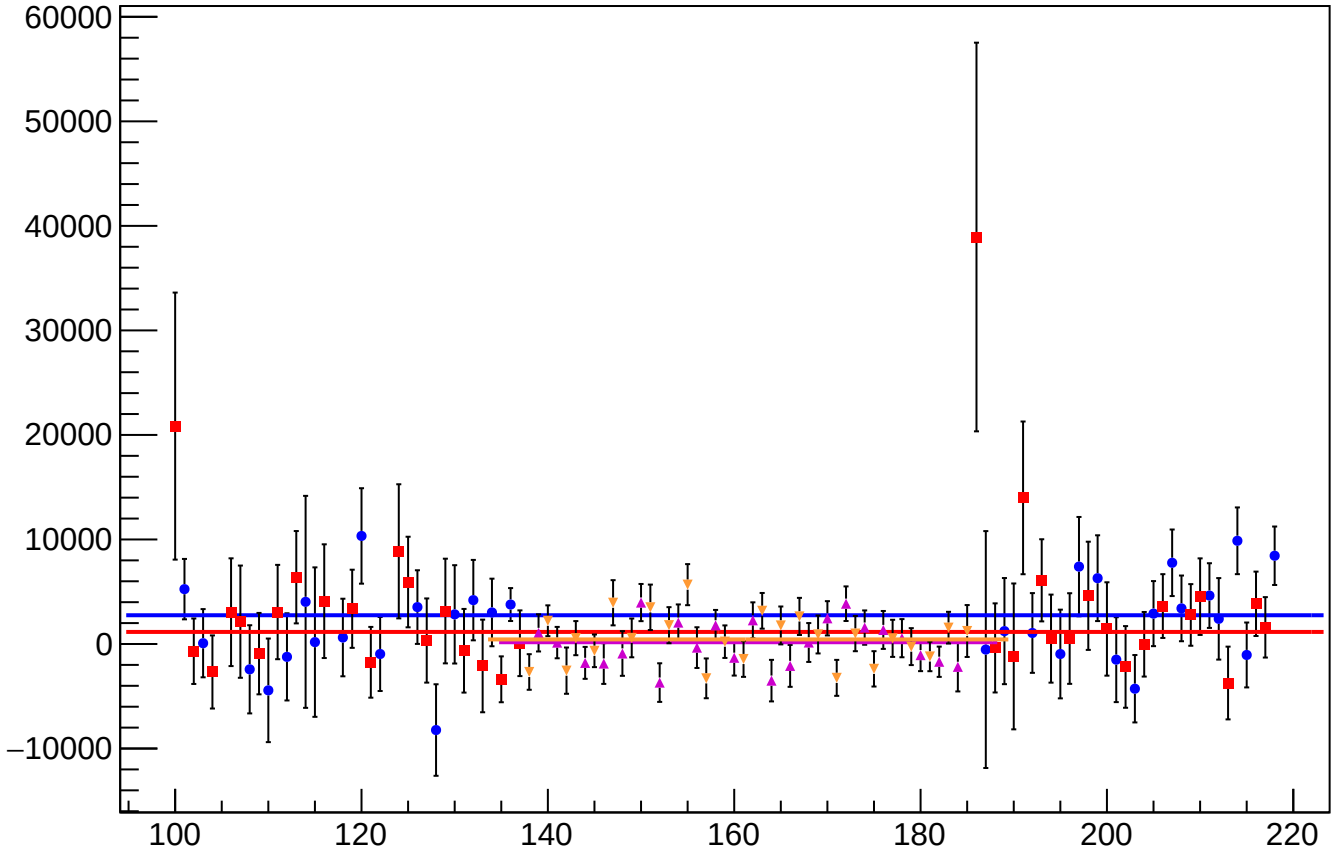
Left In: 1569.383+/-0.261 χ^2/NDF:357484.6/22

+ sign 1837.517+/-0.219 χ^2/NDF: 8365162.4/56

All: 1859.080+/-0.158 χ^2/NDF: 17723375.8/1

- sign 1882.360+/-0.228 χ^2/NDF: 9338060.9/58

asym_sam_26_dd_mean vs Slug



Right In: 2750.471+/-623.004 χ^2/NDF: 39.4/31

Left Out: 437.522+/-349.581 χ^2/NDF:38.9/24

Right Out: 1154.185+/-651.395 χ^2/NDF: 30.3/35

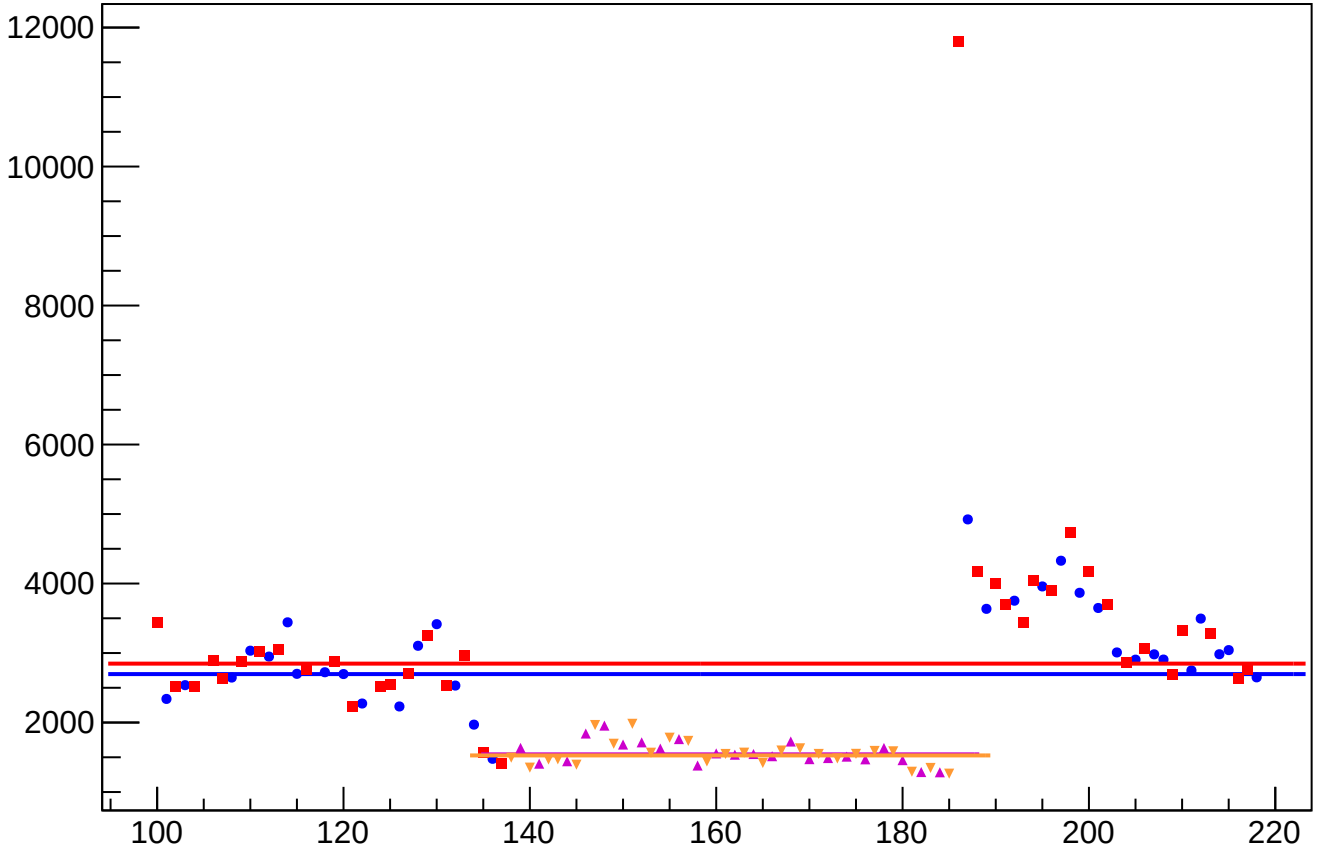
Left In: 169.827+/-362.550 χ^2/NDF:33.0/22

+ sign 991.385+/-304.866 χ^2/NDF: 88.7/56

All: 708.299+/-219.667 χ^2/NDF: 155.6/115

- sign 402.638+/-316.789 χ^2/NDF: 65.1/58

asym_sam_26_dd_rms vs Slug



Right In: 2697.000+/-0.441 χ^2/NDF: 2654416.2/31

Left Out: 1526.726+/-0.247 χ^2/NDF:429467.0/24

Right Out: 2847.519+/-0.461 χ^2/NDF: 2952606.5/35

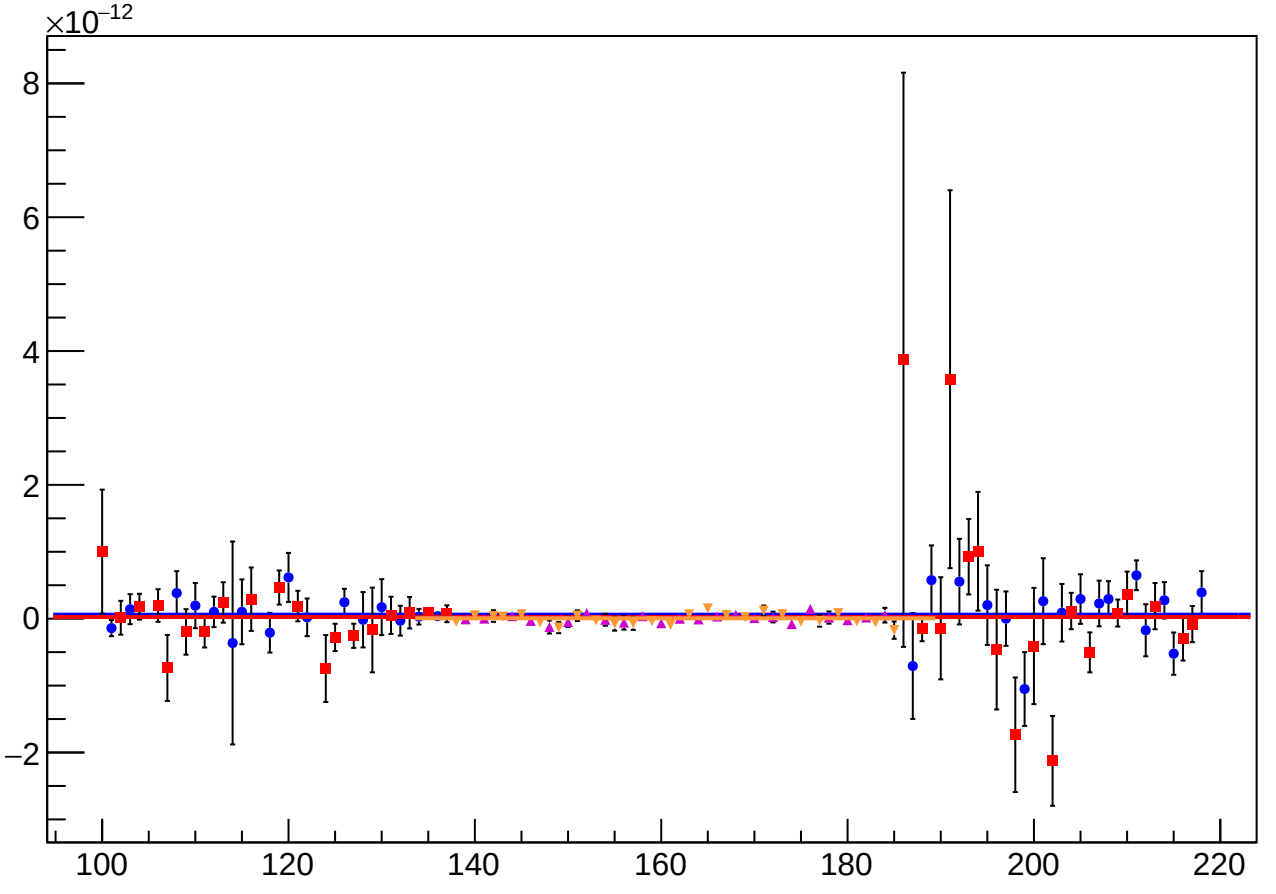
Left In: 1542.262+/-0.256 χ^2/NDF:362291.1/22

+ sign 1806.962+/-0.216 χ^2/NDF: 8451053.1/56

All: 1828.122+/-0.155 χ^2/NDF: 17917057.1/1

- sign 1850.969+/-0.224 χ^2/NDF: 9445966.1/58

asym_sam_26_dd_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 29.4/31

Left Out: 0.000+/-0.000 χ^2/NDF:30.8/24

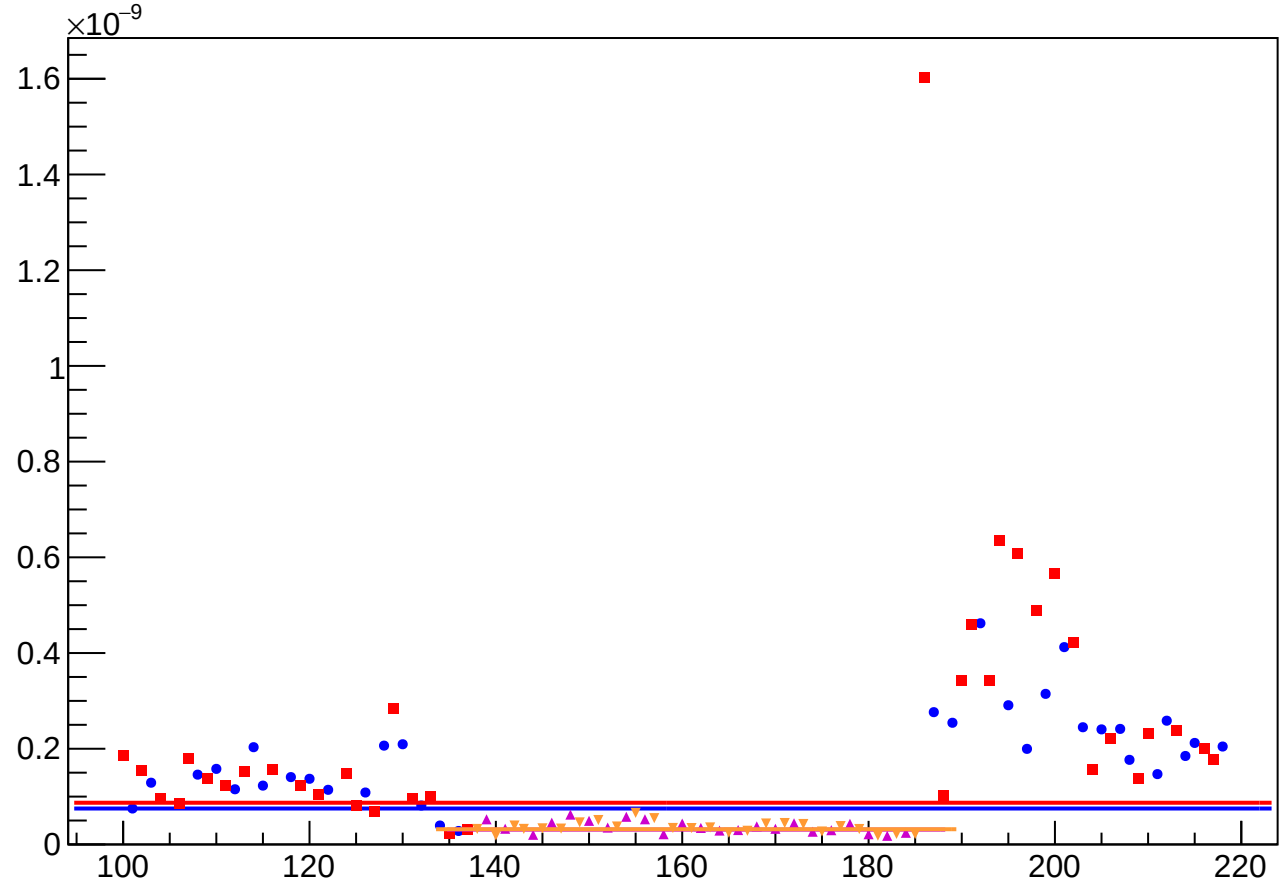
Right Out: 0.000+/-0.000 χ^2/NDF: 46.2/35

Left In: 0.000+/-0.000 χ^2/NDF:17.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 62.4/56

All: 0.000+/-0.000 χ^2/NDF: 125.7/115

- sign 0.000+/-0.000 χ^2/NDF: 63.3/58



Right In: 0.000+/-0.000 χ^2/NDF: 8948928.9/31

Left Out: 0.000+/-0.000 χ^2/NDF:1231140.2/24

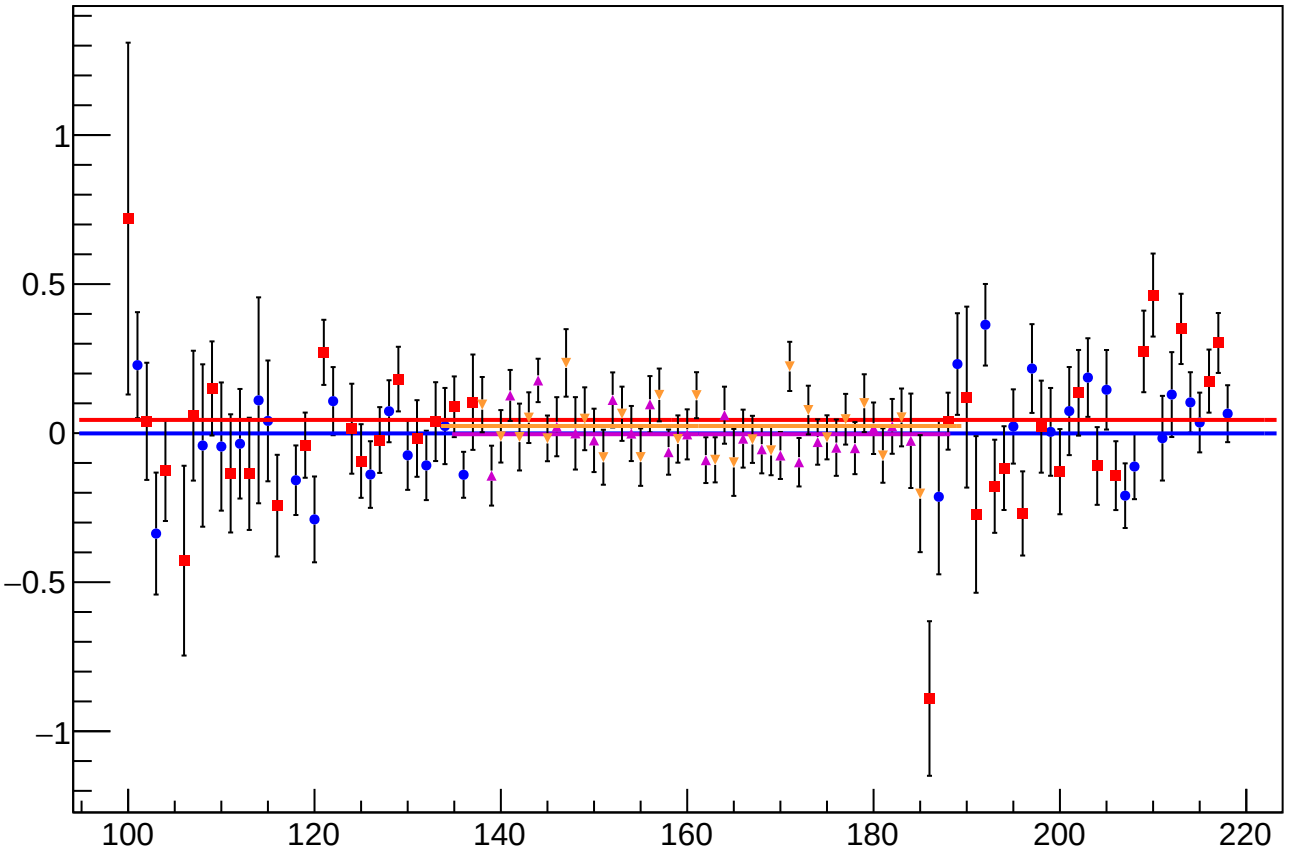
Right Out: 0.000+/-0.000 χ^2/NDF: 8860931.1/35

Left In: 0.000+/-0.000 χ^2/NDF:1593815.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 13078359.4/56

All: 0.000+/-0.000 χ^2/NDF: 27309987.0/115

- sign 0.000+/-0.000 χ^2/NDF: 14230355.6/58



Right In: -0.001+/-0.023 χ^2/NDF: 40.4/31

Left Out: 0.024+/-0.018 χ^2/NDF:25.5/24

Right Out: 0.044+/-0.023 χ^2/NDF: 73.7/35

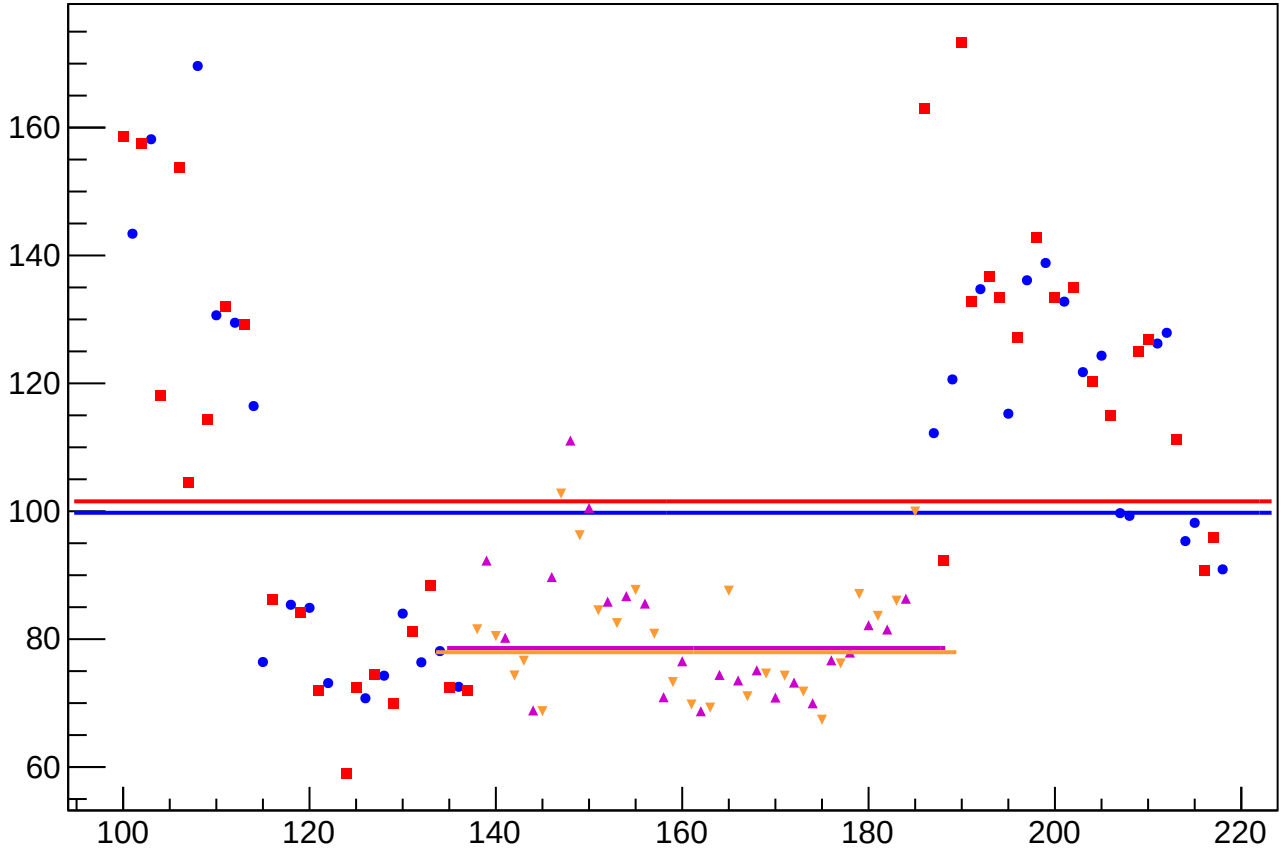
Left In: -0.004+/-0.019 χ^2/NDF:18.9/22

+ sign 0.015+/-0.014 χ^2/NDF: 66.7/56

All: 0.015+/-0.010 χ^2/NDF: 161.9/115

- sign 0.015+/-0.015 χ^2/NDF: 95.2/58

asym_sam_26_dd_dit_vs_cor_diff_rms vs Slug



Right In: 99.765+/-0.016 χ^2/NDF: 2227435.3/31

Left Out: 77.957+/-0.013 χ^2/NDF:439703.9/24

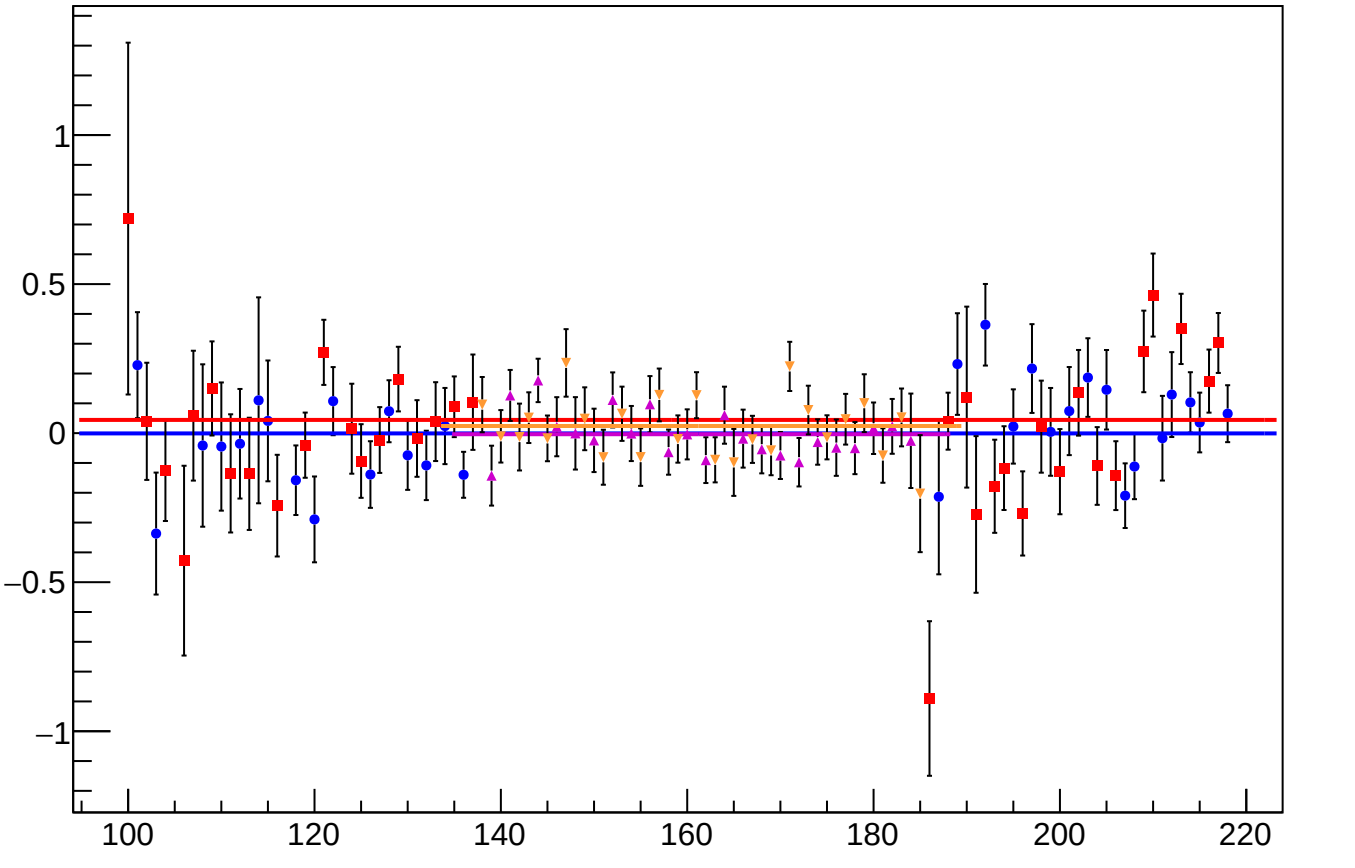
Right Out: 101.549+/-0.016 χ^2/NDF: 2557958.2/35

Left In: 78.615+/-0.013 χ^2/NDF:497808.4/22

\+ sign 86.166+/-0.010 χ^2/NDF: 3790037.0/56

All: 86.836+/-0.007 χ^2/NDF: 8043635.2/115

\- sign 87.546+/-0.010 χ^2/NDF: 4244296.1/58



Right In: -0.001+/-0.023 χ^2/NDF: 40.4/31

Left Out: 0.024+/-0.018 χ^2/NDF:25.5/24

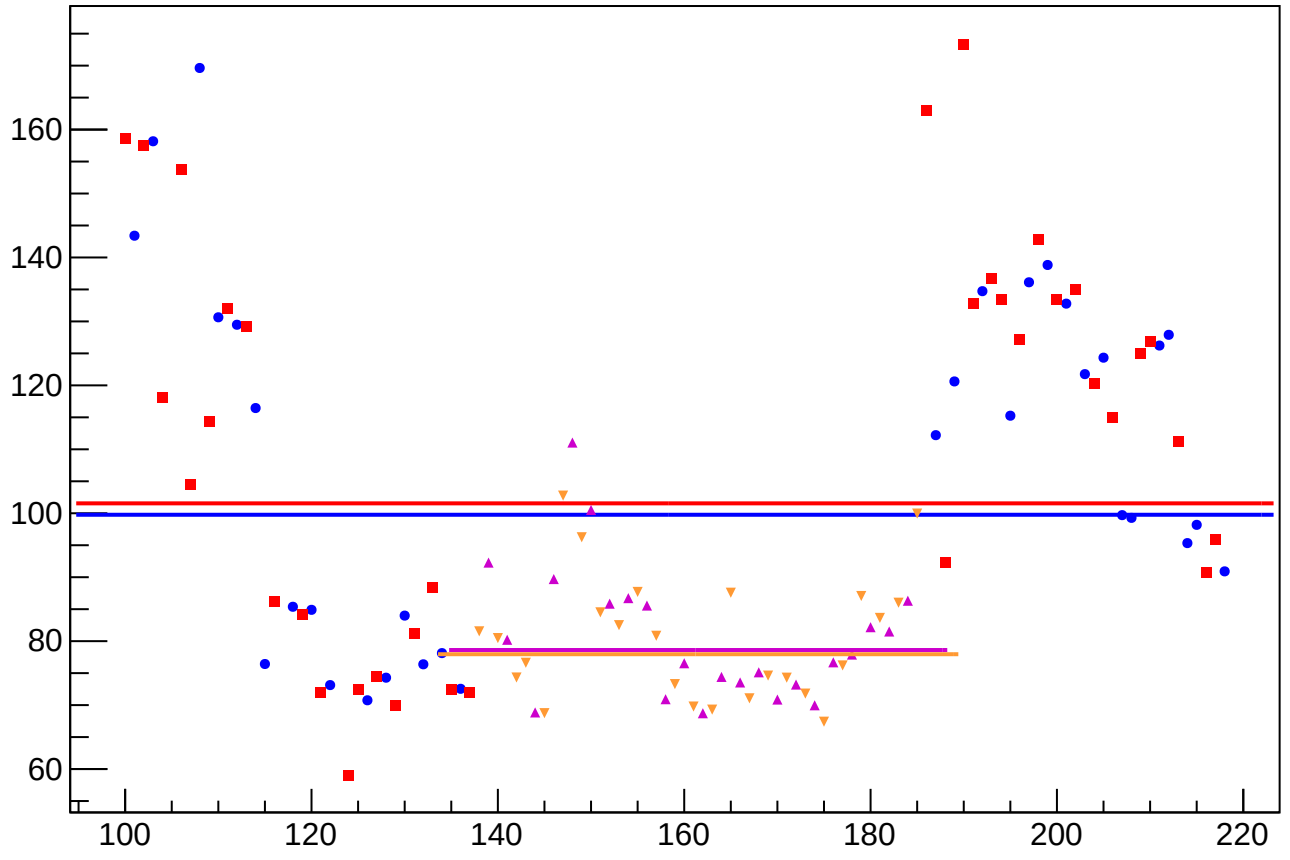
Right Out: 0.044+/-0.023 χ^2/NDF: 73.7/35

Left In: -0.004+/-0.019 χ^2/NDF:18.9/22

+ sign 0.015+/-0.014 χ^2/NDF: 66.7/56

All: 0.015+/-0.010 χ^2/NDF: 161.9/115

- sign 0.015+/-0.015 χ^2/NDF: 95.2/58



Right In: 99.765+/-0.016 χ^2/NDF: 2227435.3/31

Left Out: 77.957+/-0.013 χ^2/NDF:439703.9/24

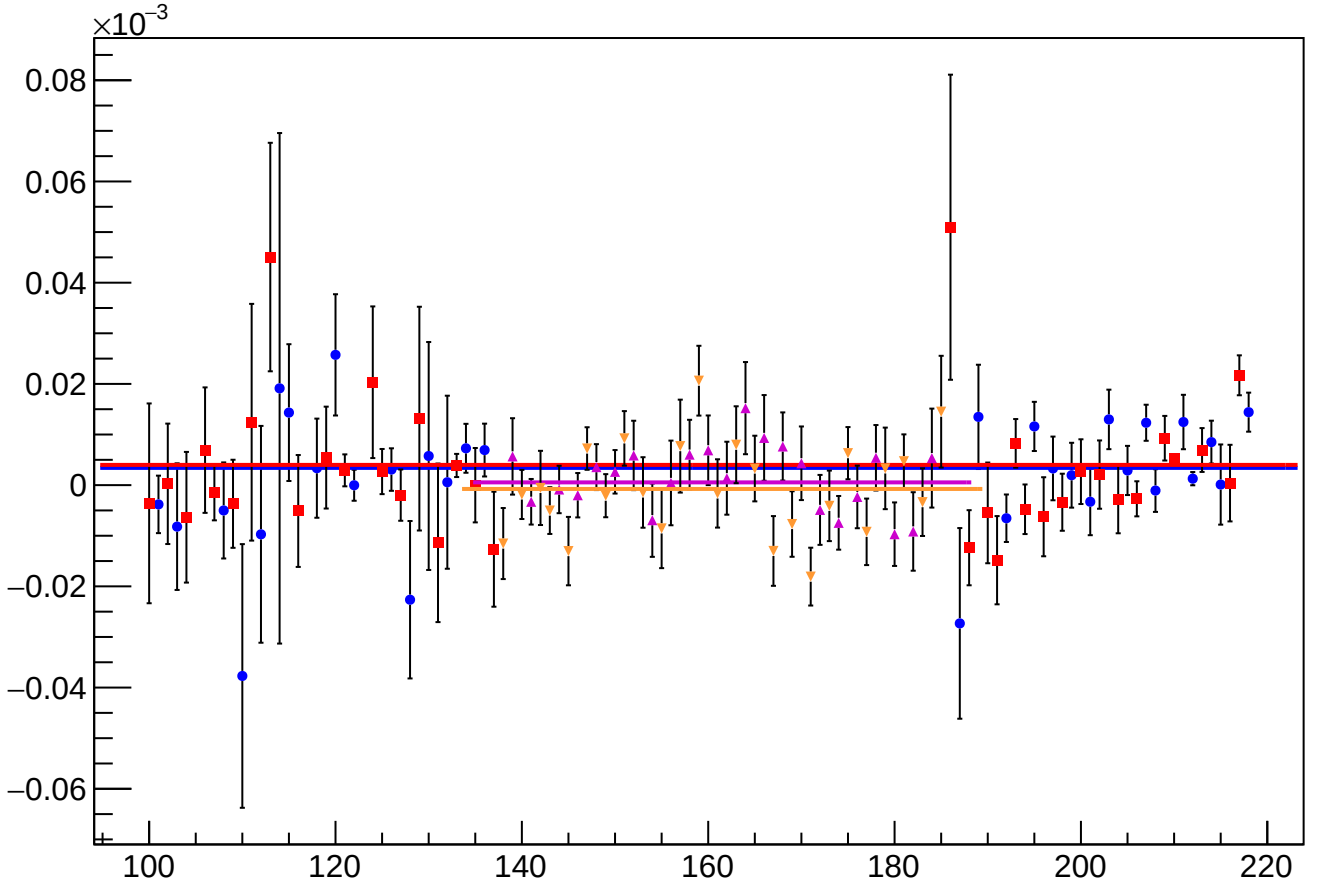
Right Out: 101.549+/-0.016 χ^2/NDF: 2557958.2/35

Left In: 78.615+/-0.013 χ^2/NDF:497808.4/22

+ sign 86.166+/-0.010 χ^2/NDF: 3790037.0/56

All: 86.836+/-0.007 χ^2/NDF: 8043635.2/115

- sign 87.546+/-0.010 χ^2/NDF: 4244296.1/58



Right In: 0.000+/-0.000 χ^2/NDF: 52.9/31

Left Out: -0.000+/-0.000 χ^2/NDF:47.6/24

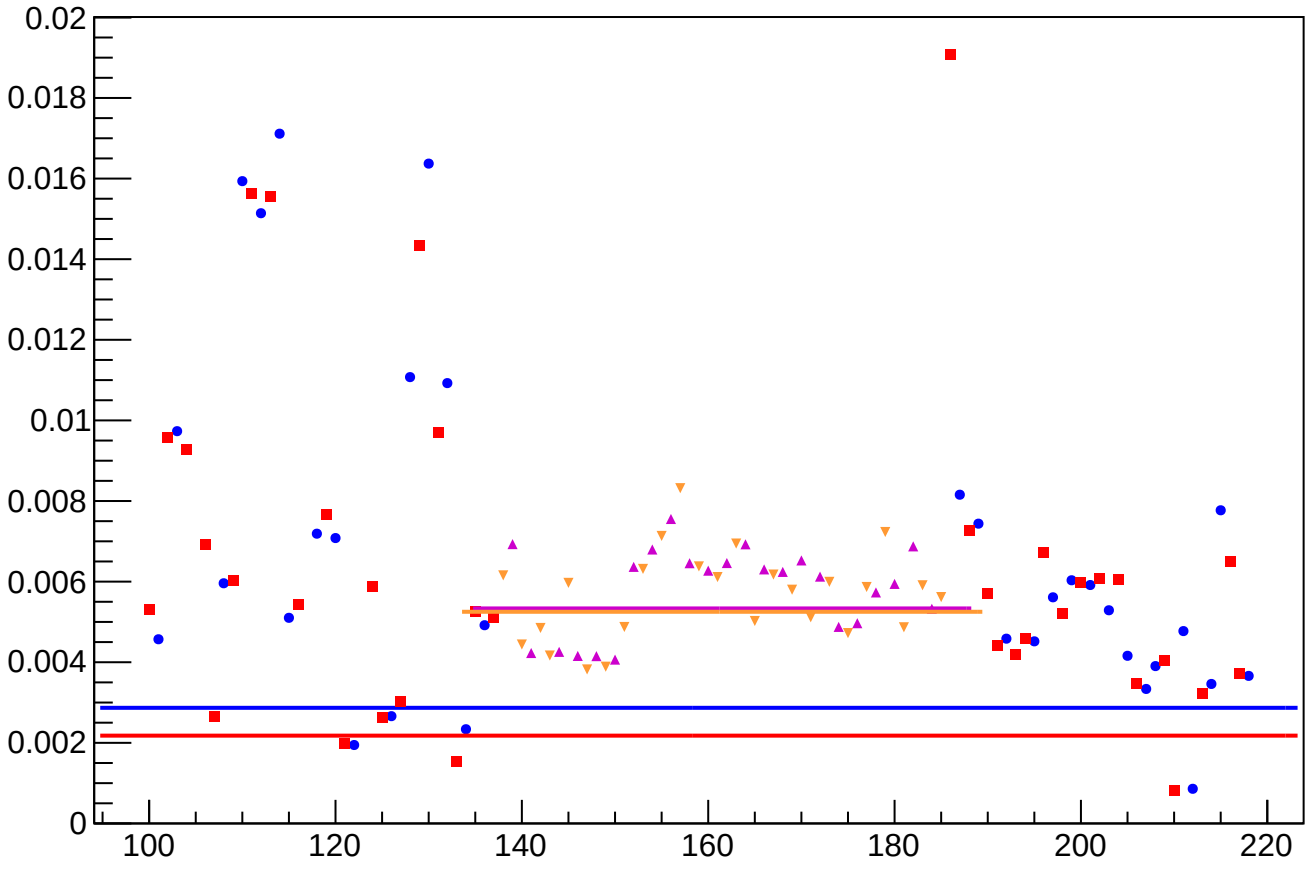
Right Out: 0.000+/-0.000 χ^2/NDF: 62.3/35

Left In: 0.000+/-0.000 χ^2/NDF:18.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 108.4/56

All: 0.000+/-0.000 χ^2/NDF: 196.7/115

- sign 0.000+/-0.000 χ^2/NDF: 86.7/58



Right In: 0.003+/-0.000 χ^2/NDF: 14066864.5/31

Left Out: 0.005+/-0.000 χ^2/NDF:1511867.7/24

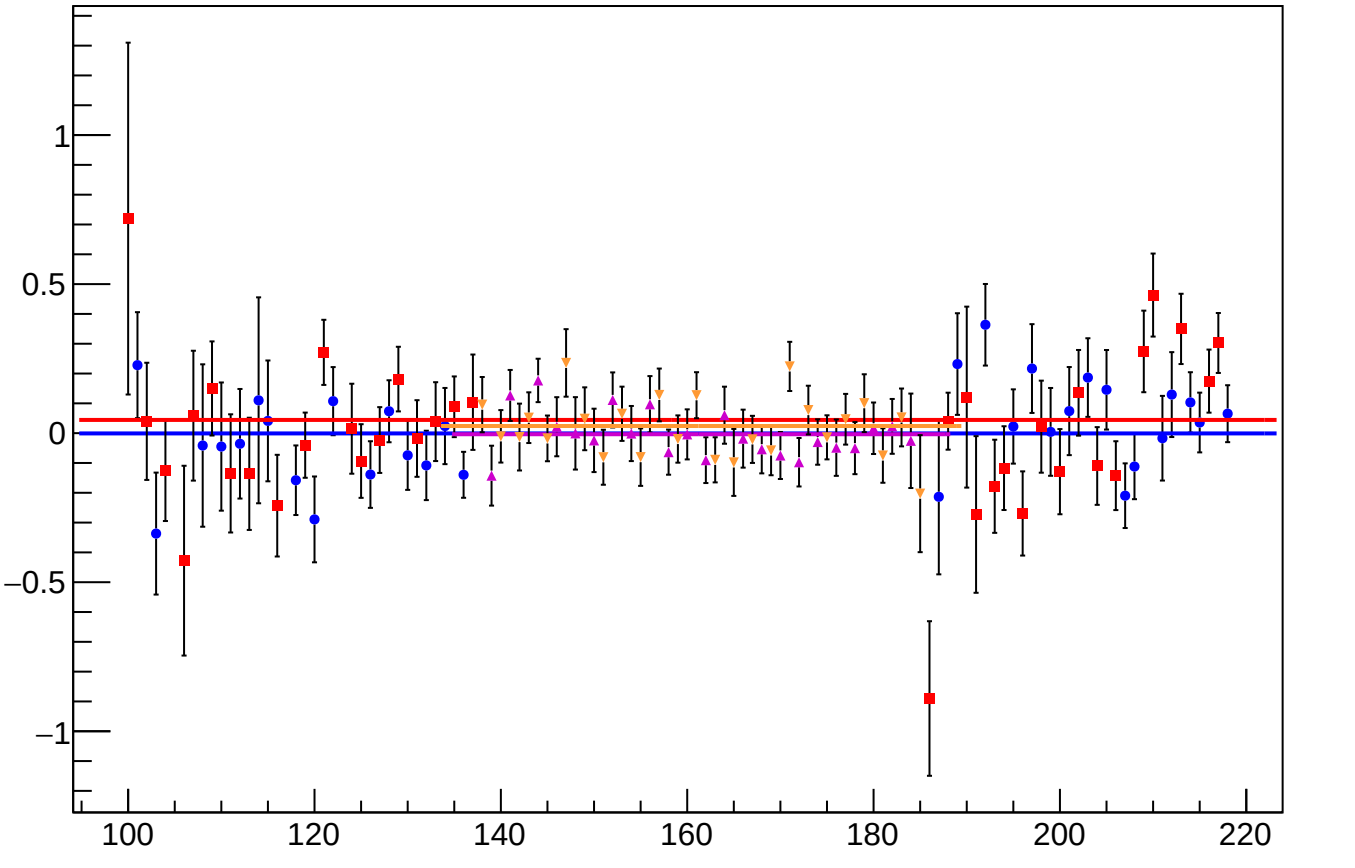
Right Out: 0.002+/-0.000 χ^2/NDF: 18409168.0/35

Left In: 0.005+/-0.000 χ^2/NDF:1508187.9/22

+ sign 0.004+/-0.000 χ^2/NDF: 20783756.1/56

All: 0.003+/-0.000 χ^2/NDF: 51600034.9/115

- sign 0.003+/-0.000 χ^2/NDF: 29432922.3/58



Right In: -0.001+/-0.023 χ^2/NDF: 40.4/31

Left Out: 0.024+/-0.018 χ^2/NDF:25.5/24

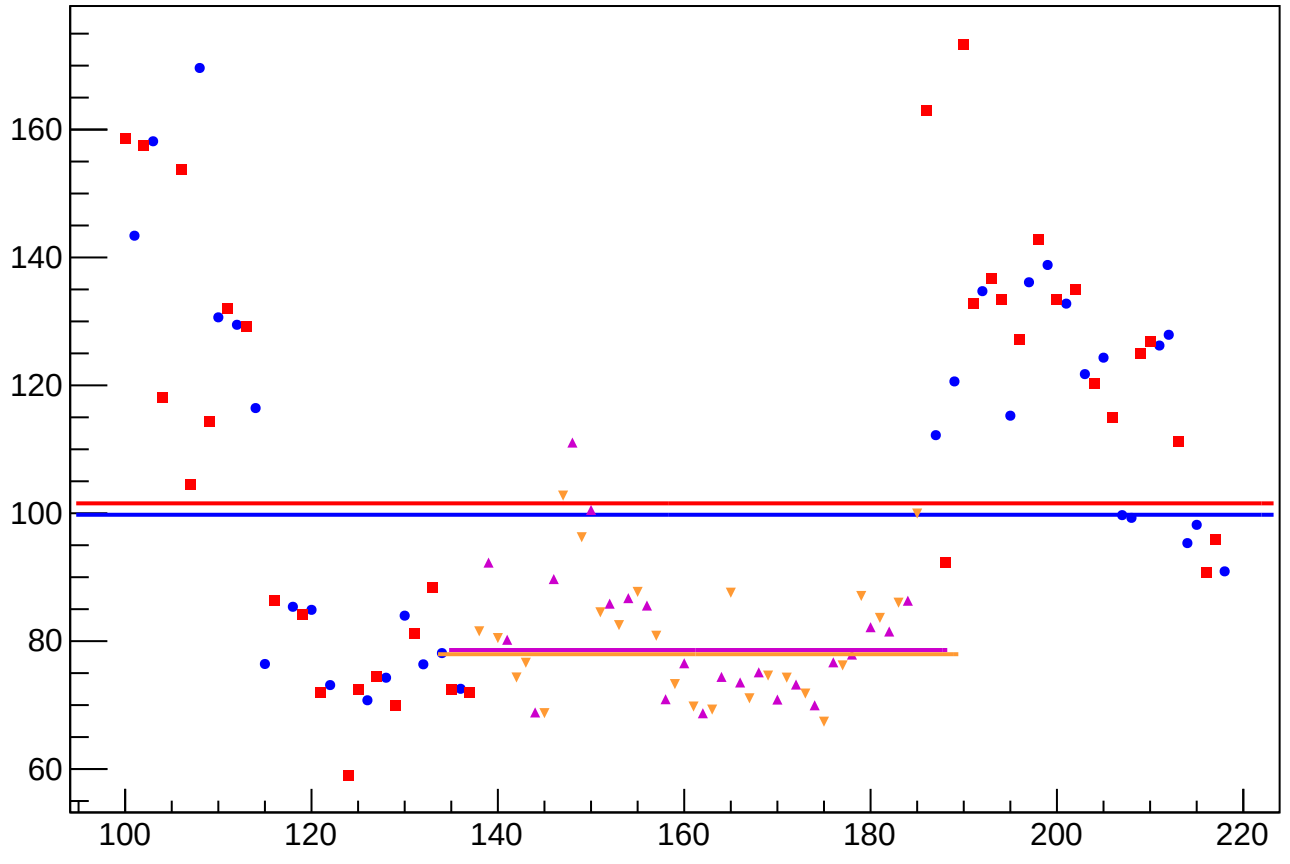
Right Out: 0.044+/-0.023 χ^2/NDF: 73.7/35

Left In: -0.004+/-0.019 χ^2/NDF:18.9/22

+ sign 0.015+/-0.014 χ^2/NDF: 66.7/56

All: 0.015+/-0.010 χ^2/NDF: 161.9/115

- sign 0.015+/-0.015 χ^2/NDF: 95.2/58



Right In: 99.763+/-0.016 χ^2/NDF: 2227570.4/31

Left Out: 77.957+/-0.013 χ^2/NDF:439744.9/24

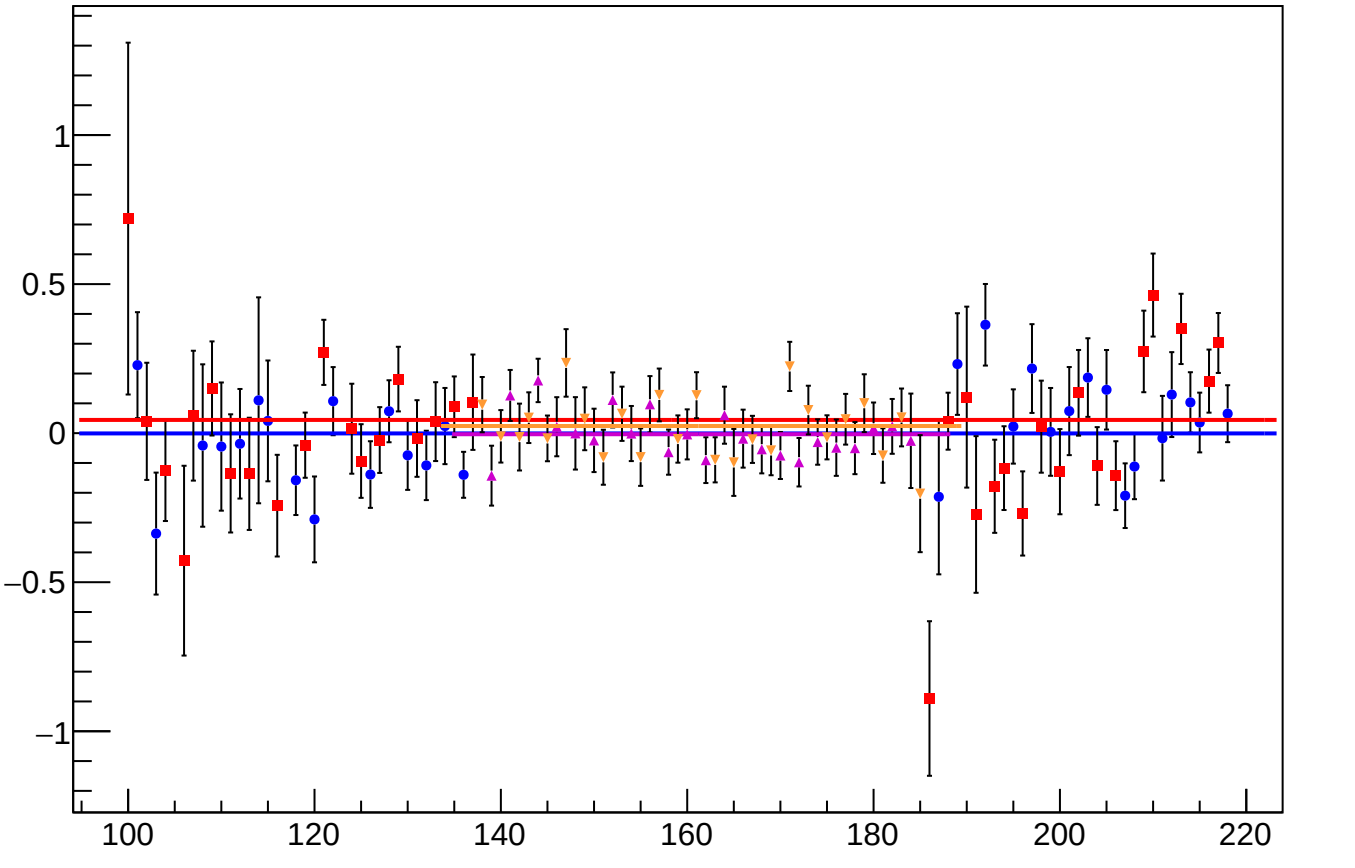
Right Out: 101.548+/-0.016 χ^2/NDF: 2558068.6/35

Left In: 78.614+/-0.013 χ^2/NDF:497846.3/22

\+ sign 86.165+/-0.010 χ^2/NDF: 3790105.9/56

All: 86.835+/-0.007 χ^2/NDF: 8043792.9/115

\- sign 87.544+/-0.010 χ^2/NDF: 4244387.0/58



Right In: -0.001+/-0.023 χ^2/NDF: 40.4/31

Left Out: 0.024+/-0.018 χ^2/NDF:25.5/24

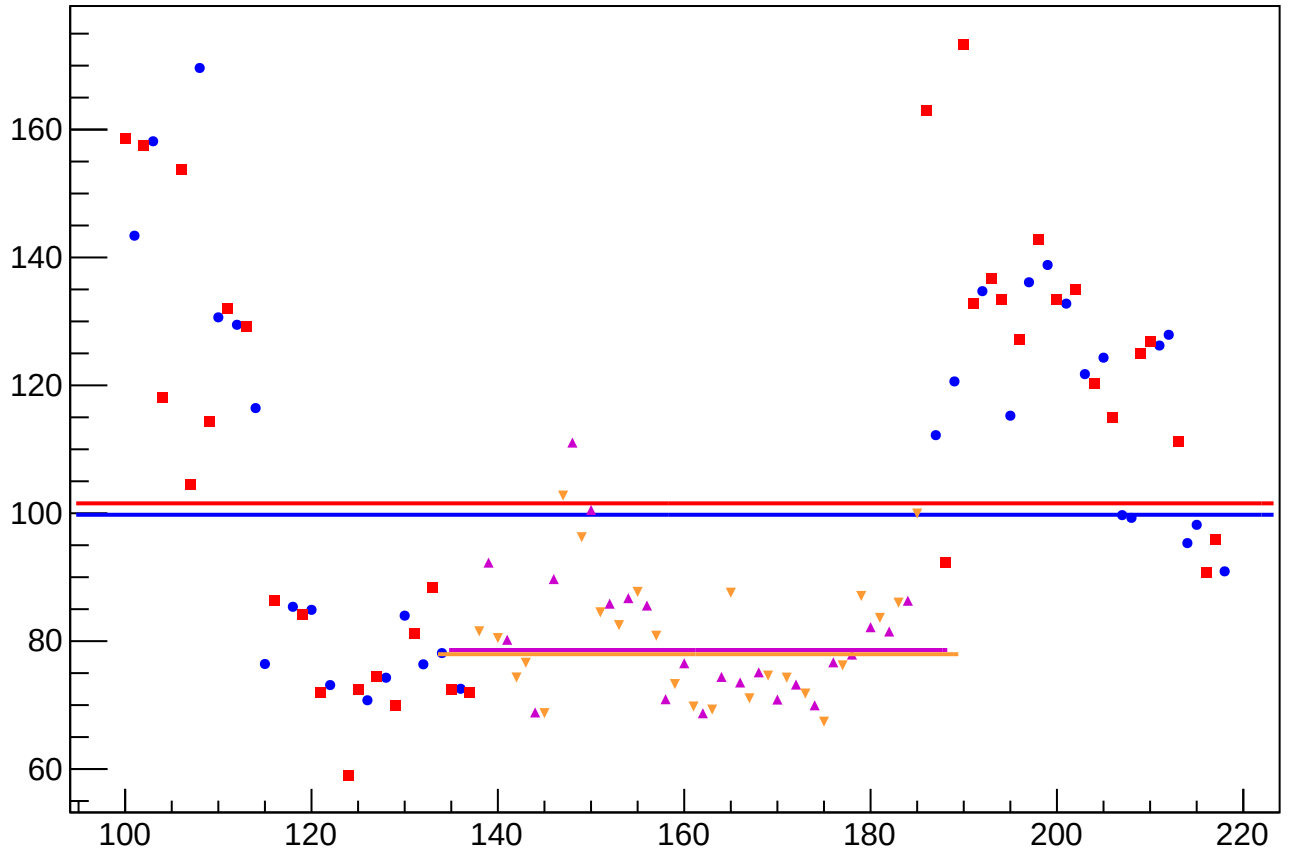
Right Out: 0.044+/-0.023 χ^2/NDF: 73.7/35

Left In: -0.004+/-0.019 χ^2/NDF:18.9/22

+ sign 0.015+/-0.014 χ^2/NDF: 66.7/56

All: 0.015+/-0.010 χ^2/NDF: 161.9/115

- sign 0.015+/-0.015 χ^2/NDF: 95.2/58



Right In: 99.763+/-0.016 χ^2/NDF: 2227570.4/31

Left Out: 77.957+/-0.013 χ^2/NDF:439744.9/24

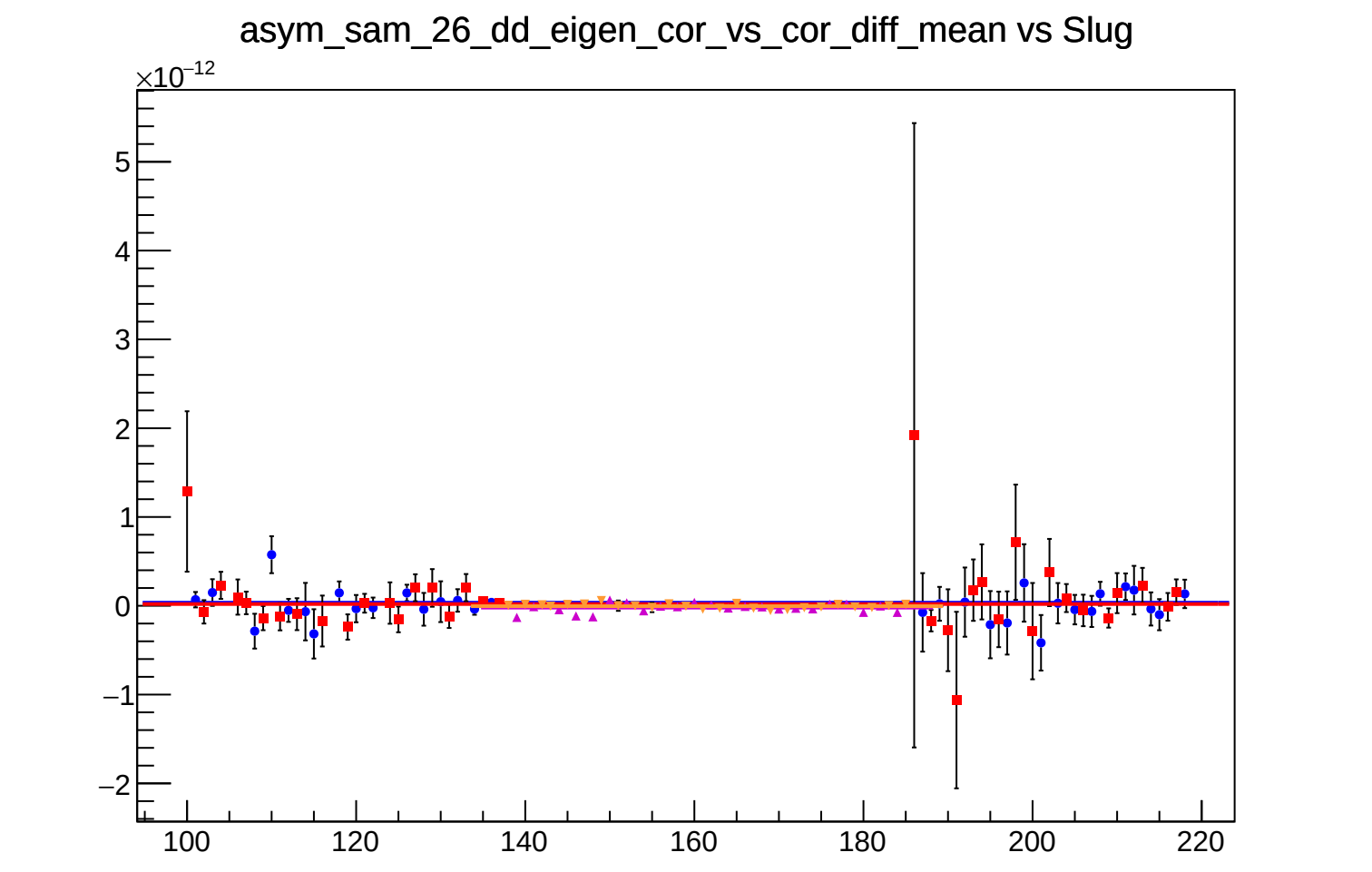
Right Out: 101.548+/-0.016 χ^2/NDF: 2558068.6/35

Left In: 78.614+/-0.013 χ^2/NDF:497846.3/22

+ sign 86.165+/-0.010 χ^2/NDF: 3790105.9/56

All: 86.835+/-0.007 χ^2/NDF: 8043792.9/115

- sign 87.544+/-0.010 χ^2/NDF: 4244387.0/58



Right In: 0.000+/-0.000 χ^2/NDF: 23.5/31

Left Out: -0.000+/-0.000 χ^2/NDF:13.1/24

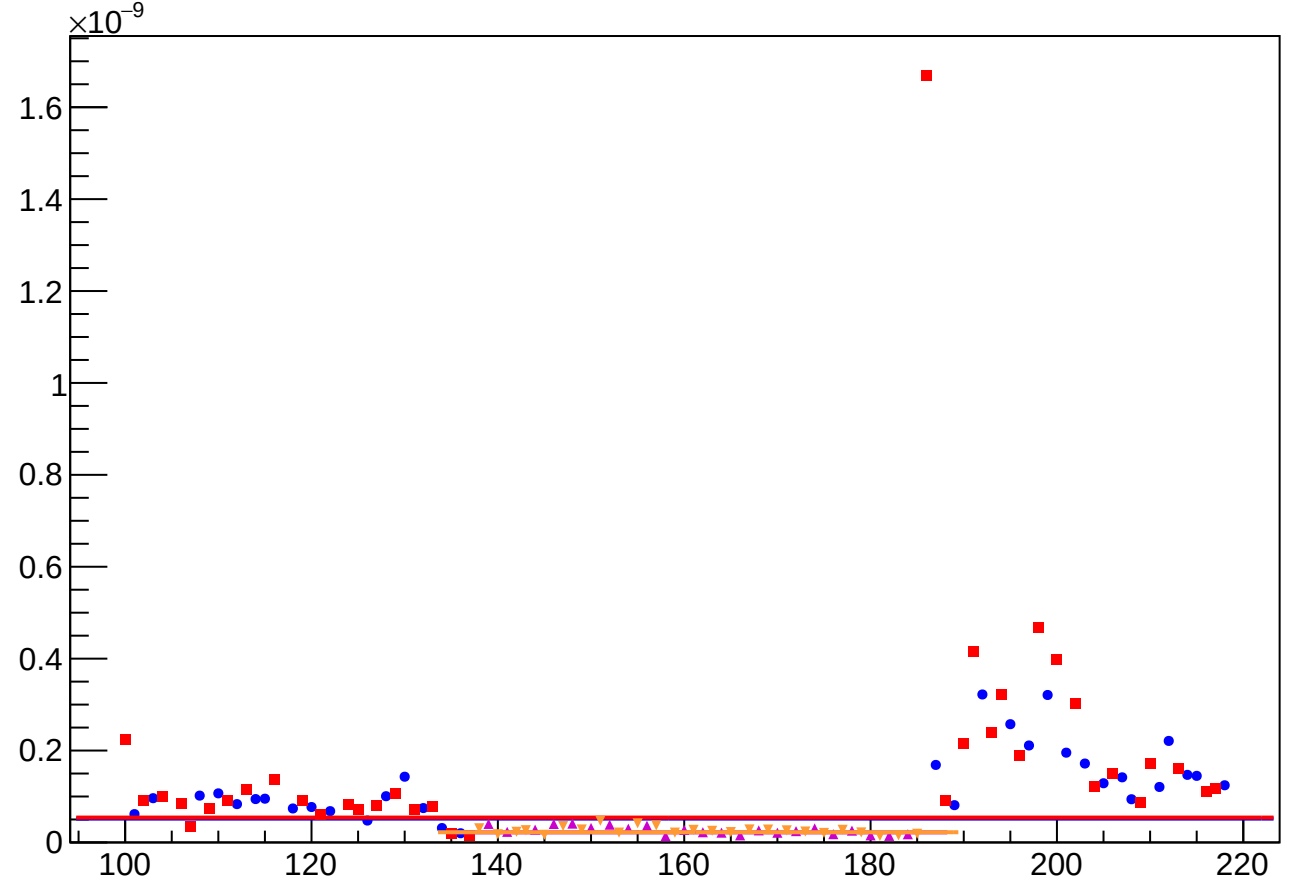
Right Out: 0.000+/-0.000 χ^2/NDF: 30.2/35

Left In: -0.000+/-0.000 χ^2/NDF:40.1/22

+ sign -0.000+/-0.000 χ^2/NDF: 40.4/56

All: -0.000+/-0.000 χ^2/NDF: 118.2/115

- sign -0.000+/-0.000 χ^2/NDF: 73.9/58



Right In: 0.000+/-0.000 χ^2/NDF: 12090968.7/31

Left Out: 0.000+/-0.000 χ^2/NDF:2302790.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 13381984.6/35

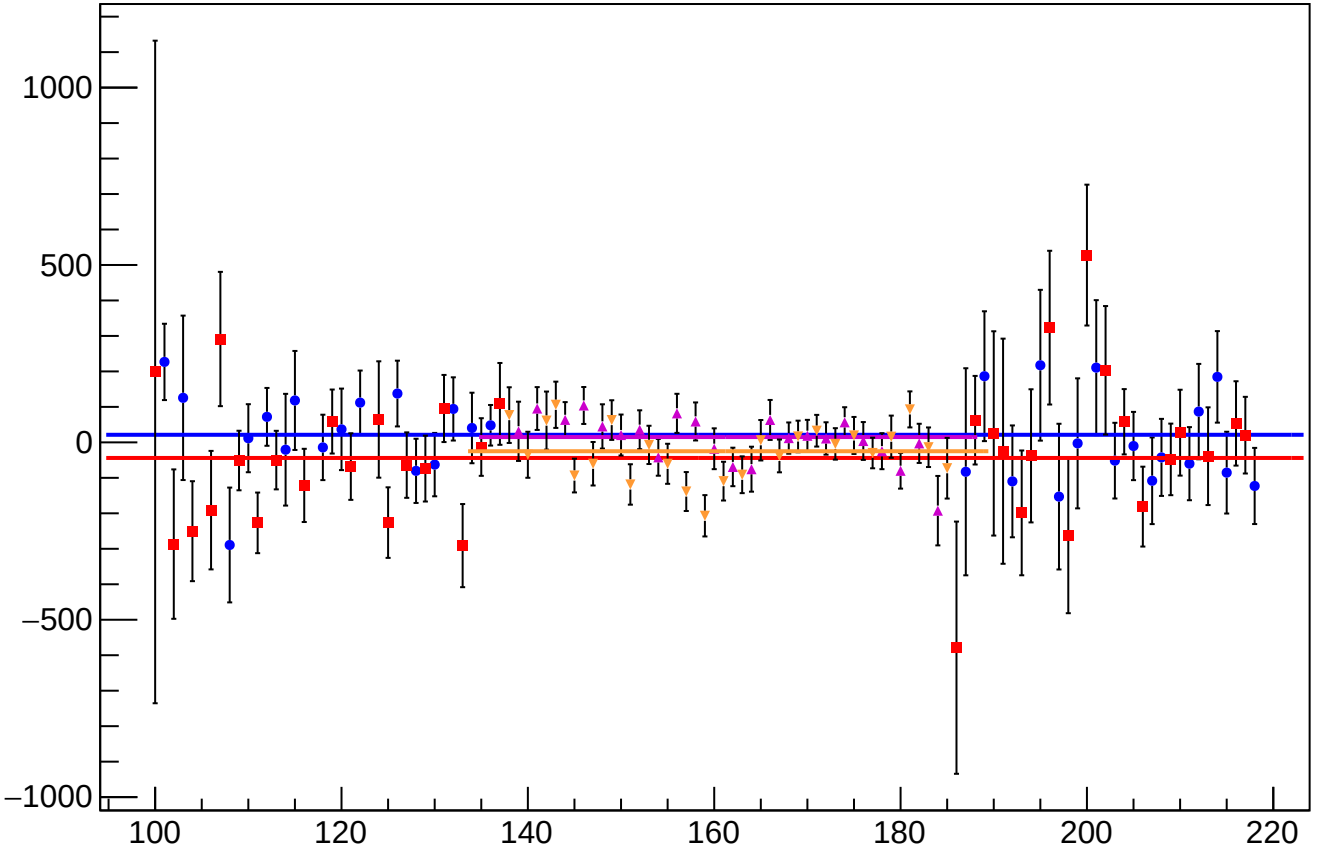
Left In: 0.000+/-0.000 χ^2/NDF:2802318.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 18737328.4/56

All: 0.000+/-0.000 χ^2/NDF: 39495288.4/115

- sign 0.000+/-0.000 χ^2/NDF: 20757644.2/58

reg_asym_sam_37_dd_mean vs Slug



Right In: 21.367+/-19.570 χ^2/NDF: 25.7/31

Left Out: -24.988+/-10.888 χ^2/NDF:43.1/24

Right Out: -43.946+/-19.990 χ^2/NDF: 48.4/35

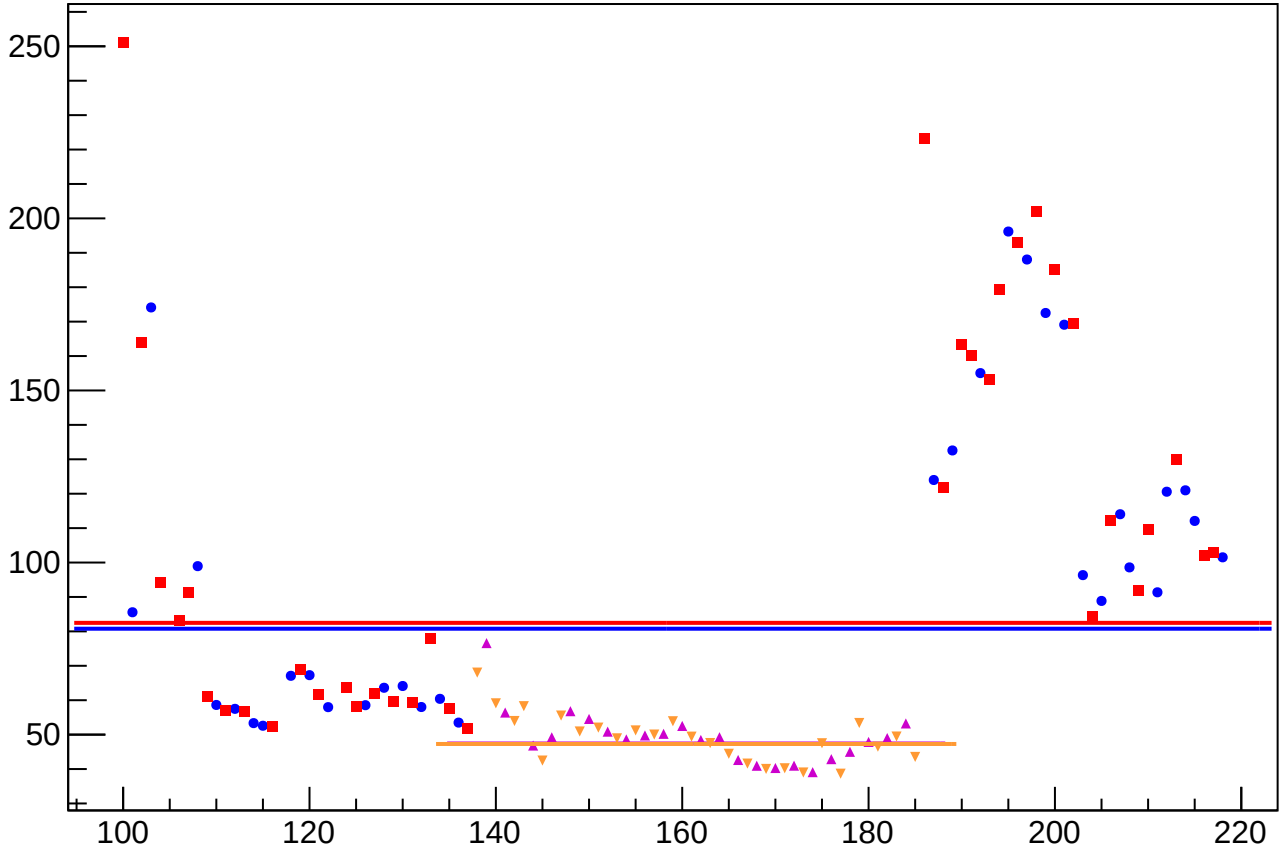
Left In: 14.994+/-11.218 χ^2/NDF:24.7/22

+ sign -14.031+/-9.514 χ^2/NDF: 73.1/56

All: -6.784+/-6.821 χ^2/NDF: 154.0/115

- sign 0.878+/-9.783 χ^2/NDF: 79.7/58

reg_asym_sam_37_dd_rms vs Slug



Right In: 80.772+/-0.014 χ^2/NDF: 5477925.4/31

Left Out: 47.284+/-0.008 χ^2/NDF:717249.8/24

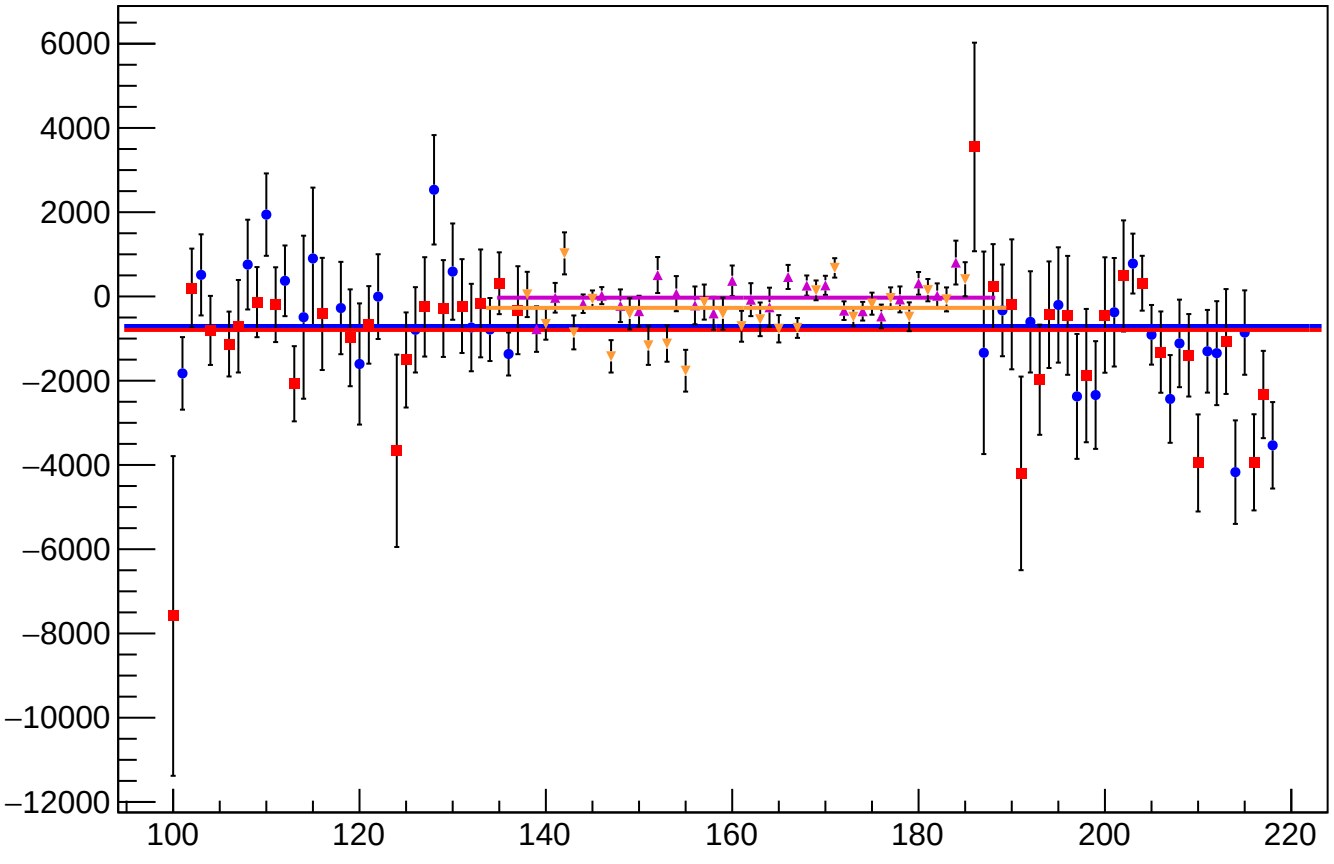
Right Out: 82.474+/-0.014 χ^2/NDF: 6392025.6/35

Left In: 47.425+/-0.008 χ^2/NDF:655736.9/22

+ sign 55.199+/-0.007 χ^2/NDF: 10667351.3/56

All: 55.500+/-0.005 χ^2/NDF: 22395101.5/115

- sign 55.819+/-0.007 χ^2/NDF: 11723614.7/58



Right In: -701.553+/-177.842 χ^2/NDF: 52.2/31

Left Out: -271.031+/-62.346 χ^2/NDF:73.9/24

Right Out: -794.839+/-180.032 χ^2/NDF: 42.9/35

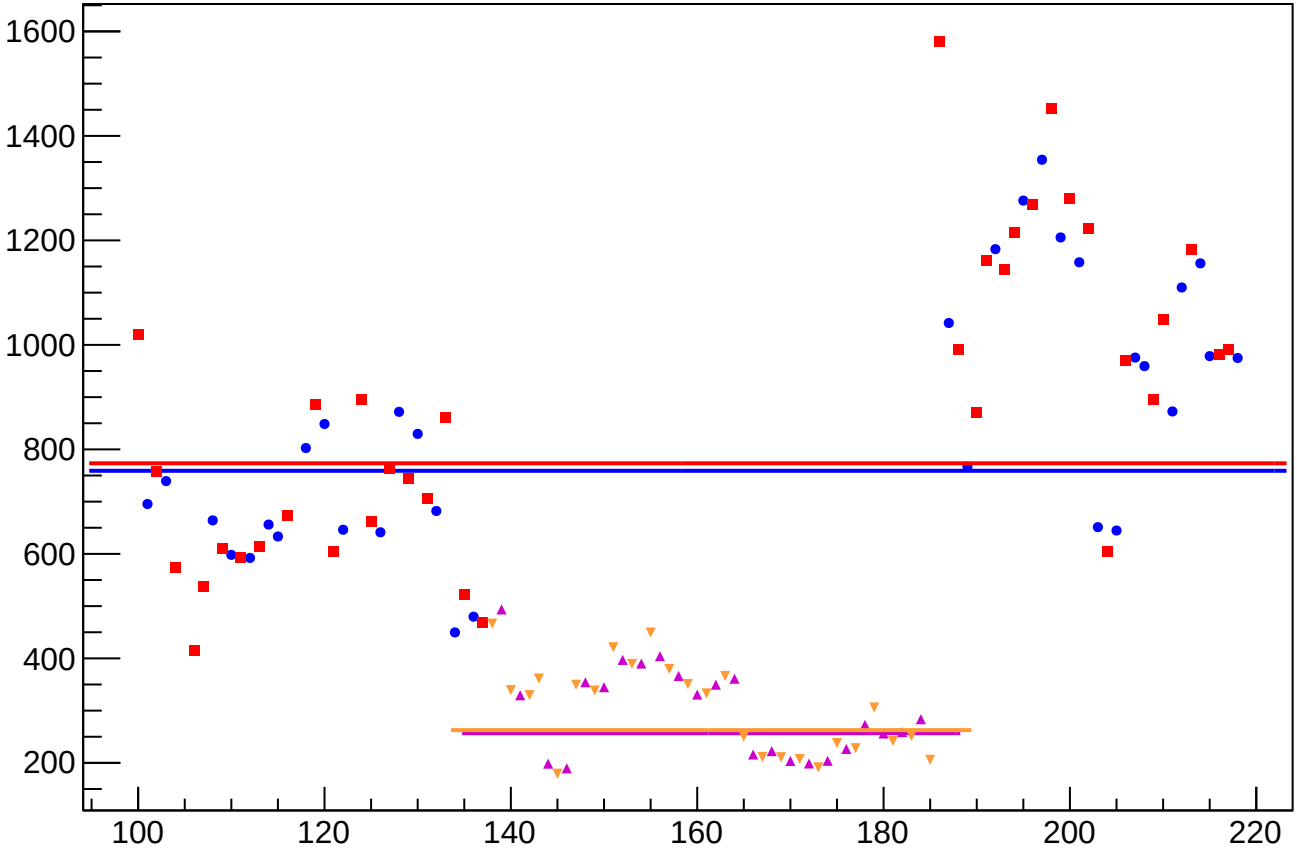
Left In: -29.200+/-62.671 χ^2/NDF:24.4/22

+ sign -318.151+/-58.835 χ^2/NDF: 131.3/56

All: -215.666+/-41.727 χ^2/NDF: 220.8/115

- sign -111.952+/-59.187 χ^2/NDF: 83.4/58

asym_sam_37_dd_reg_correction_rms vs Slug



Right In: 759.045+/-0.126 χ^2/NDF: 3376505.9/31

Left Out: 262.679+/-0.044 χ^2/NDF:2893255.4/24

Right Out: 773.352+/-0.127 χ^2/NDF: 4052044.4/35

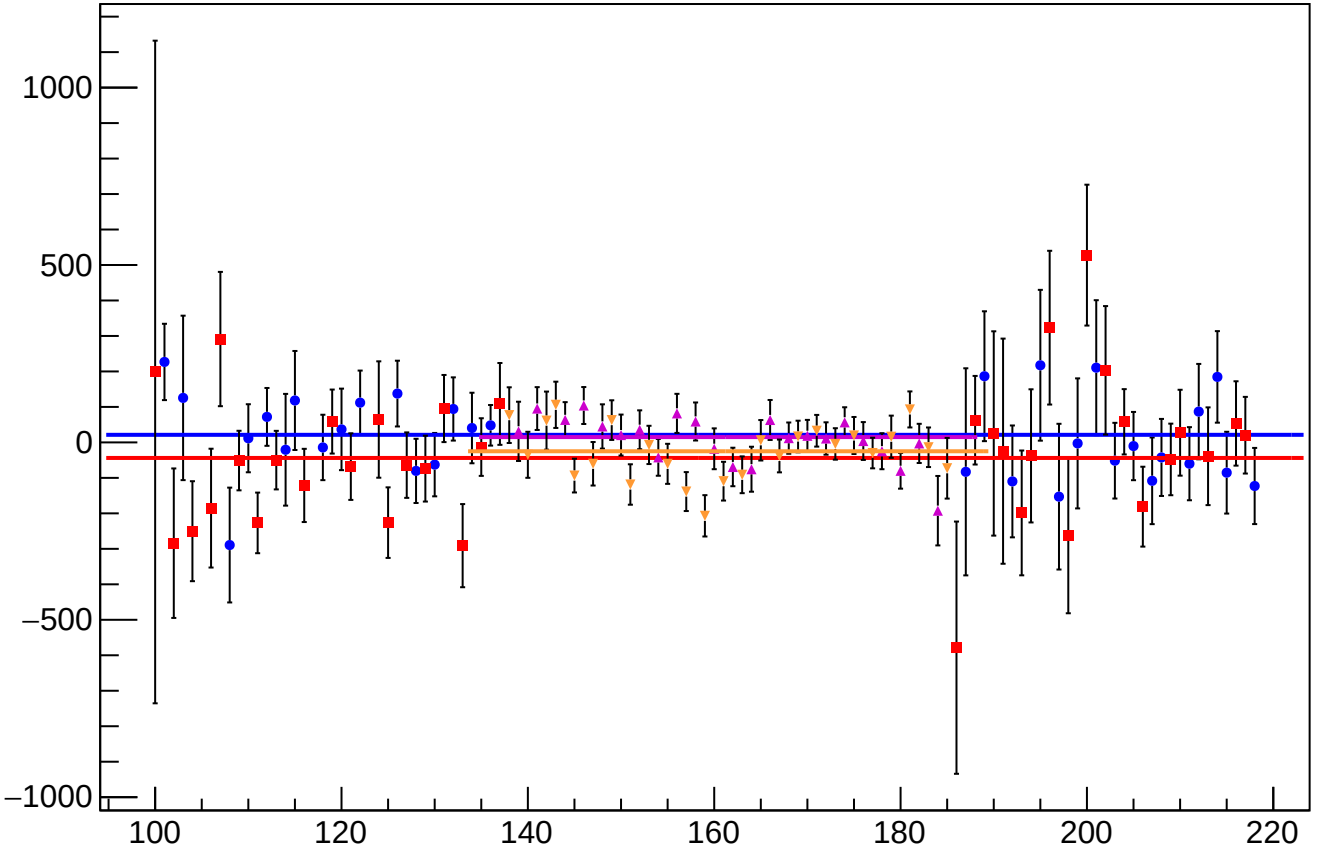
Left In: 256.842+/-0.044 χ^2/NDF:2639200.9/22

+ sign 317.005+/-0.042 χ^2/NDF: 20144496.5/56

All: 314.849+/-0.030 χ^2/NDF: 41524066.0/11

- sign 312.668+/-0.042 χ^2/NDF: 21374167.6/58

cor_asym_sam_37_dd_mean vs Slug



Right In: 21.361+/-19.570 χ^2/NDF: 25.7/31

Left Out: -24.985+/-10.888 χ^2/NDF:43.1/24

Right Out: -43.824+/-19.991 χ^2/NDF: 48.3/35

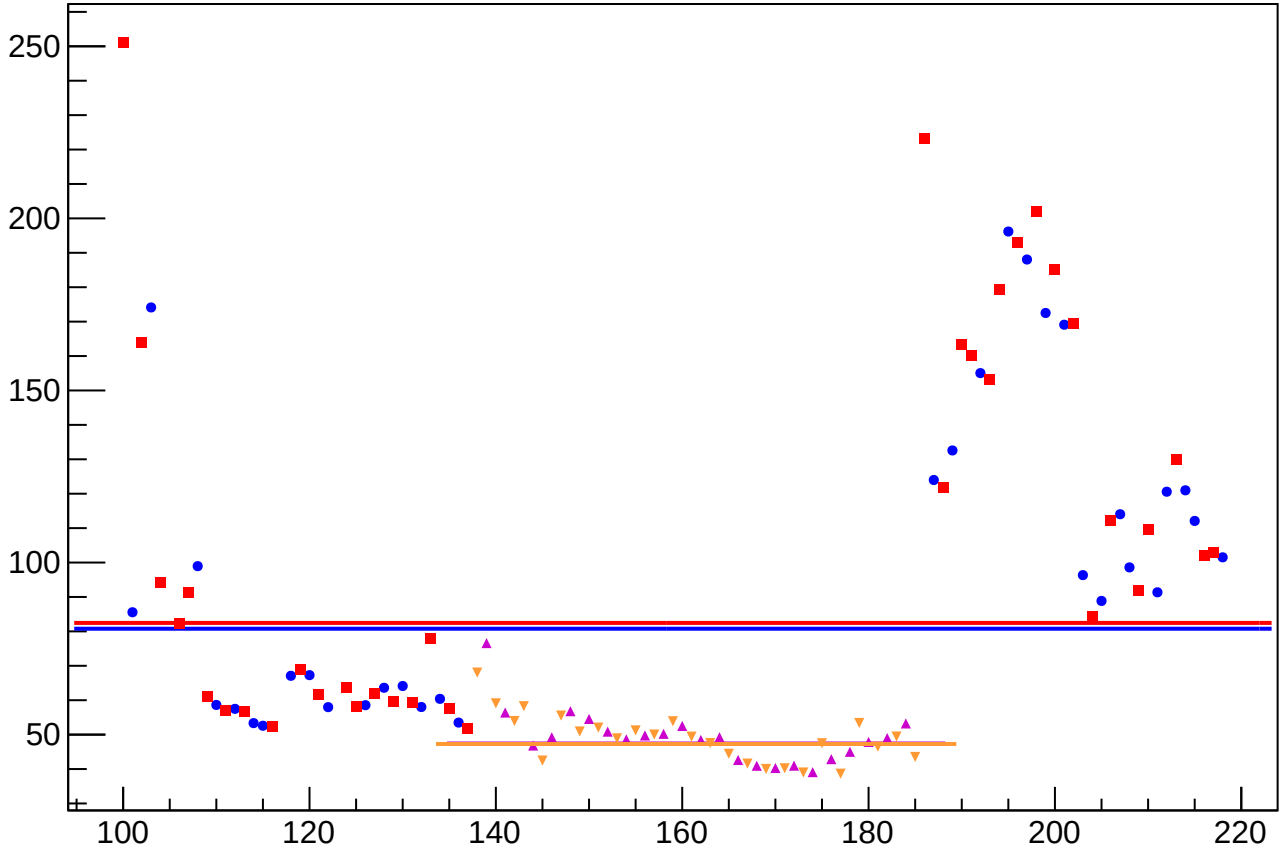
Left In: 14.992+/-11.218 χ^2/NDF:24.7/22

+ sign -14.030+/-9.514 χ^2/NDF: 73.1/56

All: -6.770+/-6.821 χ^2/NDF: 153.8/115

- sign 0.906+/-9.783 χ^2/NDF: 79.6/58

cor_asym_sam_37_dd_rms vs Slug



Right In: 80.772+/-0.014 χ^2/NDF: 5477927.9/31

Left Out: 47.284+/-0.008 χ^2/NDF:717249.7/24

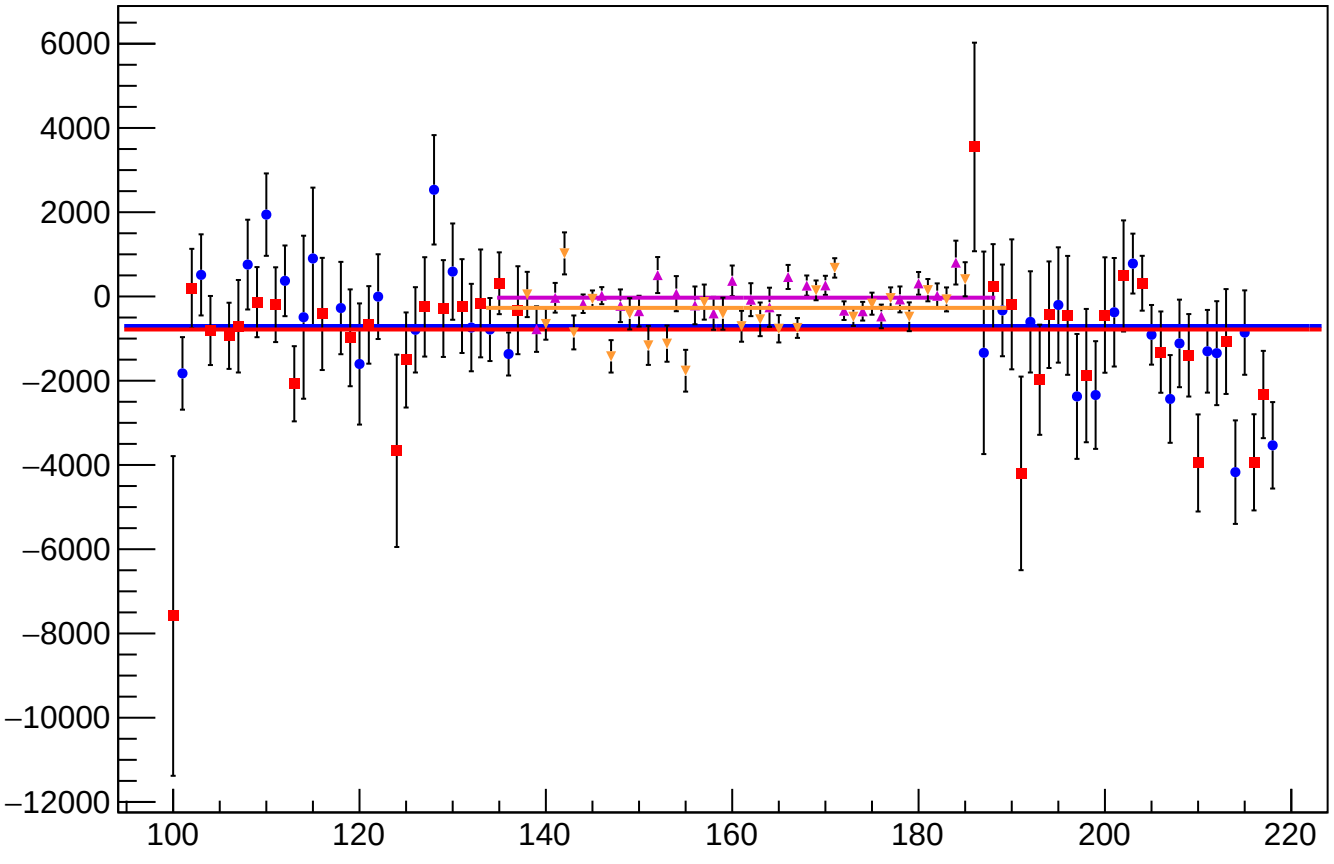
Right Out: 82.459+/-0.014 χ^2/NDF: 6392174.3/35

Left In: 47.425+/-0.008 χ^2/NDF:655736.9/22

+ sign 55.199+/-0.007 χ^2/NDF: 10667353.0/56

All: 55.498+/-0.005 χ^2/NDF: 22391002.3/115

- sign 55.815+/-0.007 χ^2/NDF: 11719567.3/58



Right In: -701.555+/-177.843 χ^2/NDF: 52.2/31

Left Out: -271.027+/-62.346 χ^2/NDF:73.9/24

Right Out: -784.213+/-180.232 χ^2/NDF: 42.7/35

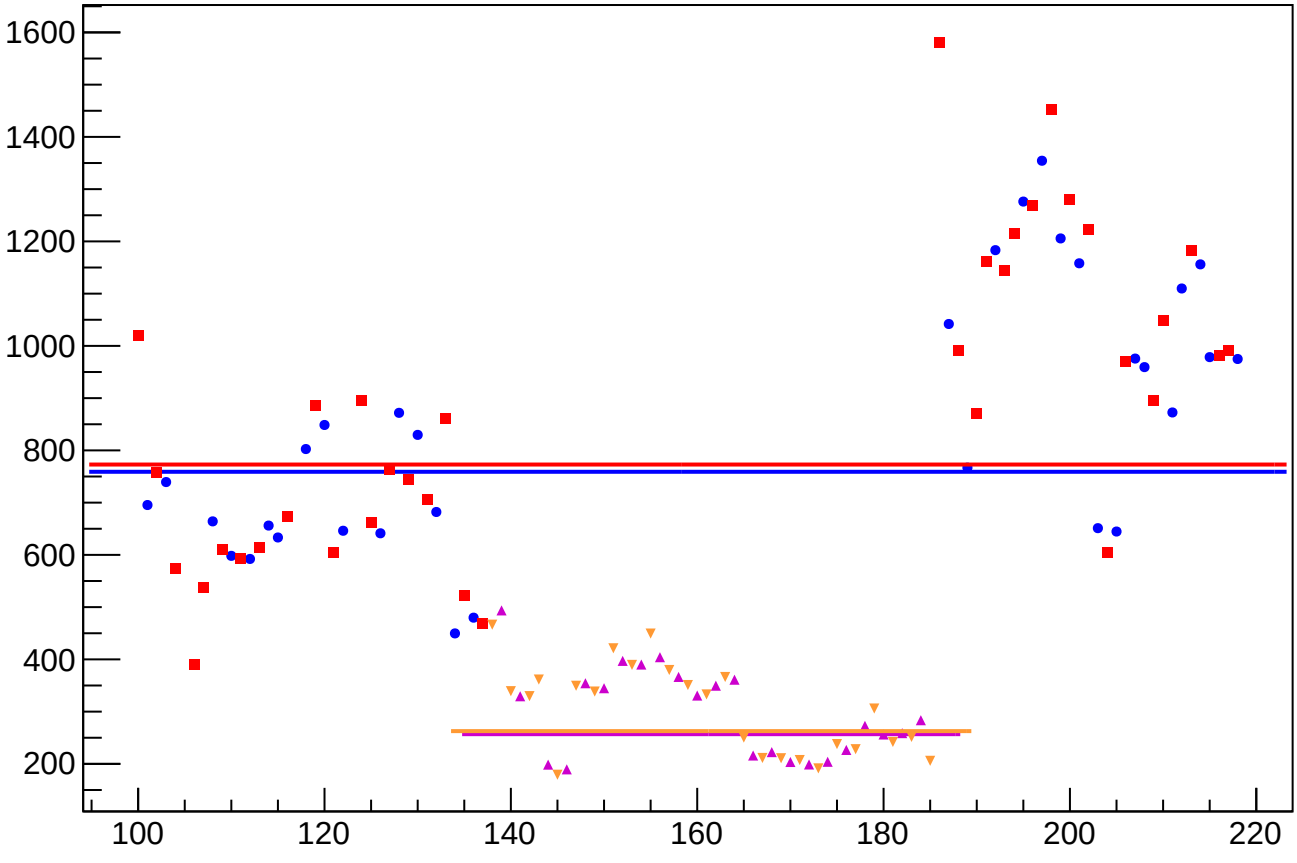
Left In: -29.202+/-62.671 χ^2/NDF:24.4/22

+ sign -318.147+/-58.835 χ^2/NDF: 131.3/56

All: -215.026+/-41.729 χ^2/NDF: 220.3/115

- sign -110.644+/-59.194 χ^2/NDF: 82.8/58

asym_sam_37_dd_cor_correction_rms vs Slug



Right In: 759.048+/-0.126 χ^2/NDF: 3376499.2/31

Left Out: 262.679+/-0.044 χ^2/NDF:2893257.1/24

Right Out: 772.916+/-0.127 χ^2/NDF: 4091279.4/35

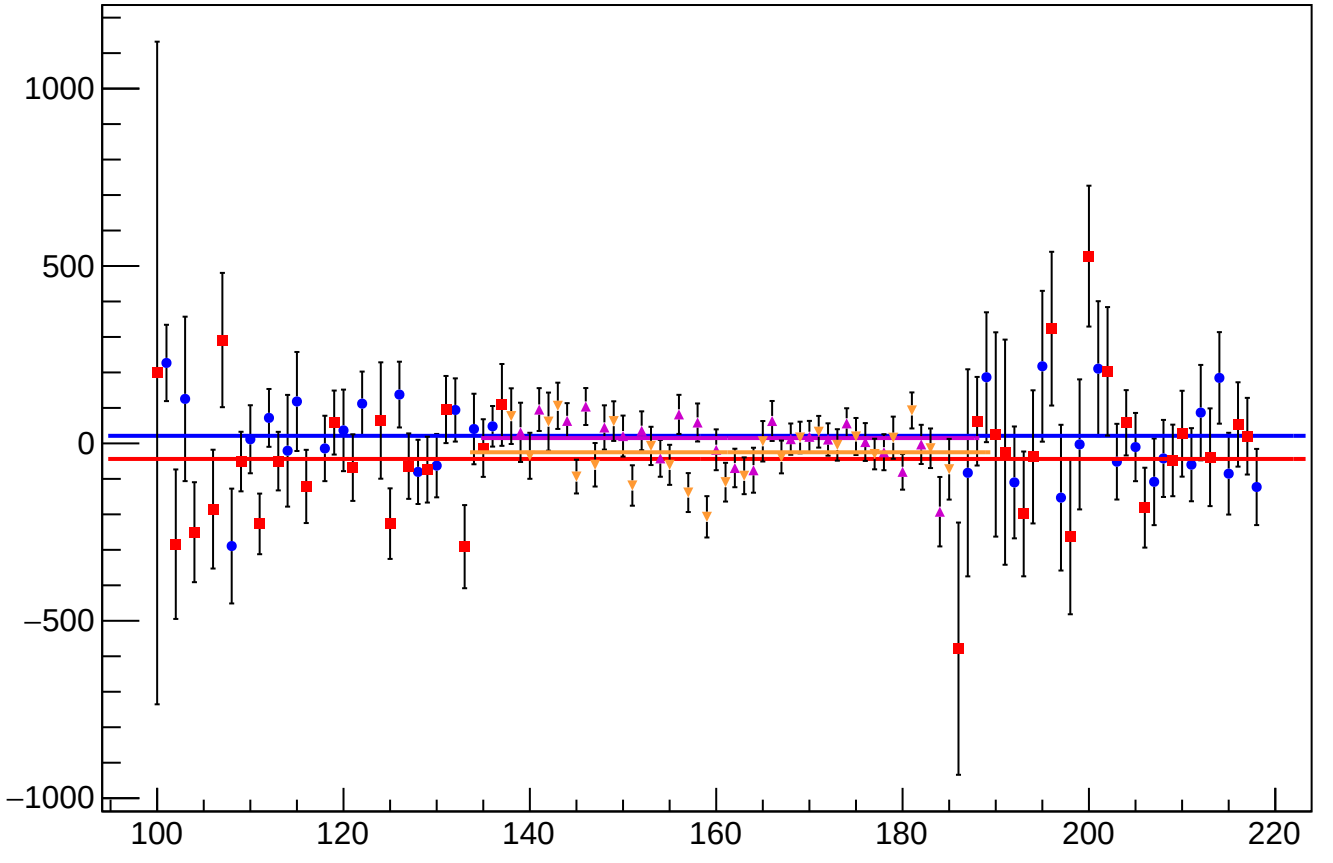
Left In: 256.842+/-0.044 χ^2/NDF:2639196.2/22

+ sign 317.005+/-0.042 χ^2/NDF: 20144556.4/56

All: 314.771+/-0.030 χ^2/NDF: 41510030.2/11

- sign 312.510+/-0.042 χ^2/NDF: 21359674.2/58

eigen_cor_asym_sam_37_dd_mean vs Slug



Right In: 21.361+/-19.570 χ^2/NDF: 25.7/31

Left Out: -24.985+/-10.888 χ^2/NDF:43.1/24

Right Out: -43.824+/-19.991 χ^2/NDF: 48.3/35

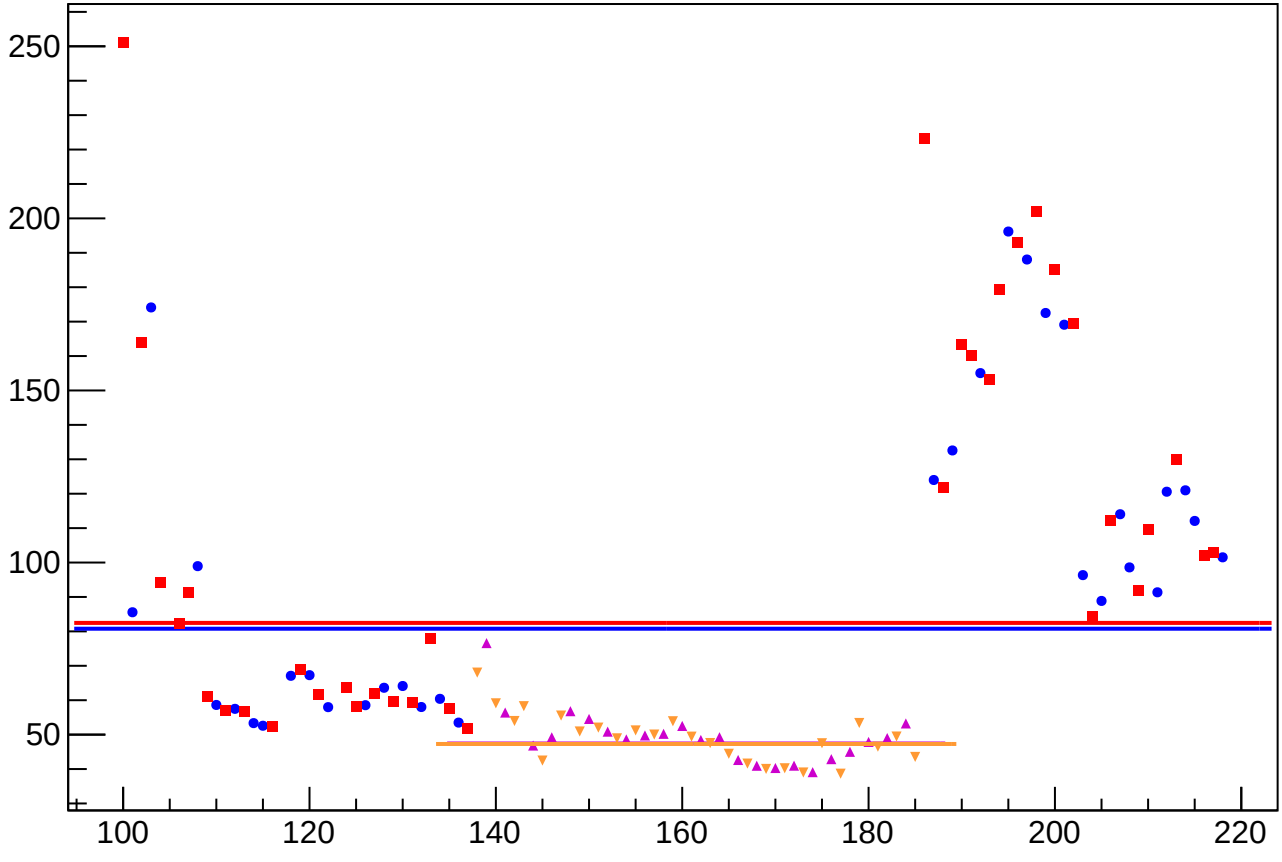
Left In: 14.992+/-11.218 χ^2/NDF:24.7/22

+ sign -14.030+/-9.514 χ^2/NDF: 73.1/56

All: -6.770+/-6.821 χ^2/NDF: 153.8/115

- sign 0.906+/-9.783 χ^2/NDF: 79.6/58

eigen_cor_asym_sam_37_dd_rms vs Slug



Right In: 80.772+/-0.014 χ^2/NDF: 5477927.9/31

Left Out: 47.284+/-0.008 χ^2/NDF:717249.7/24

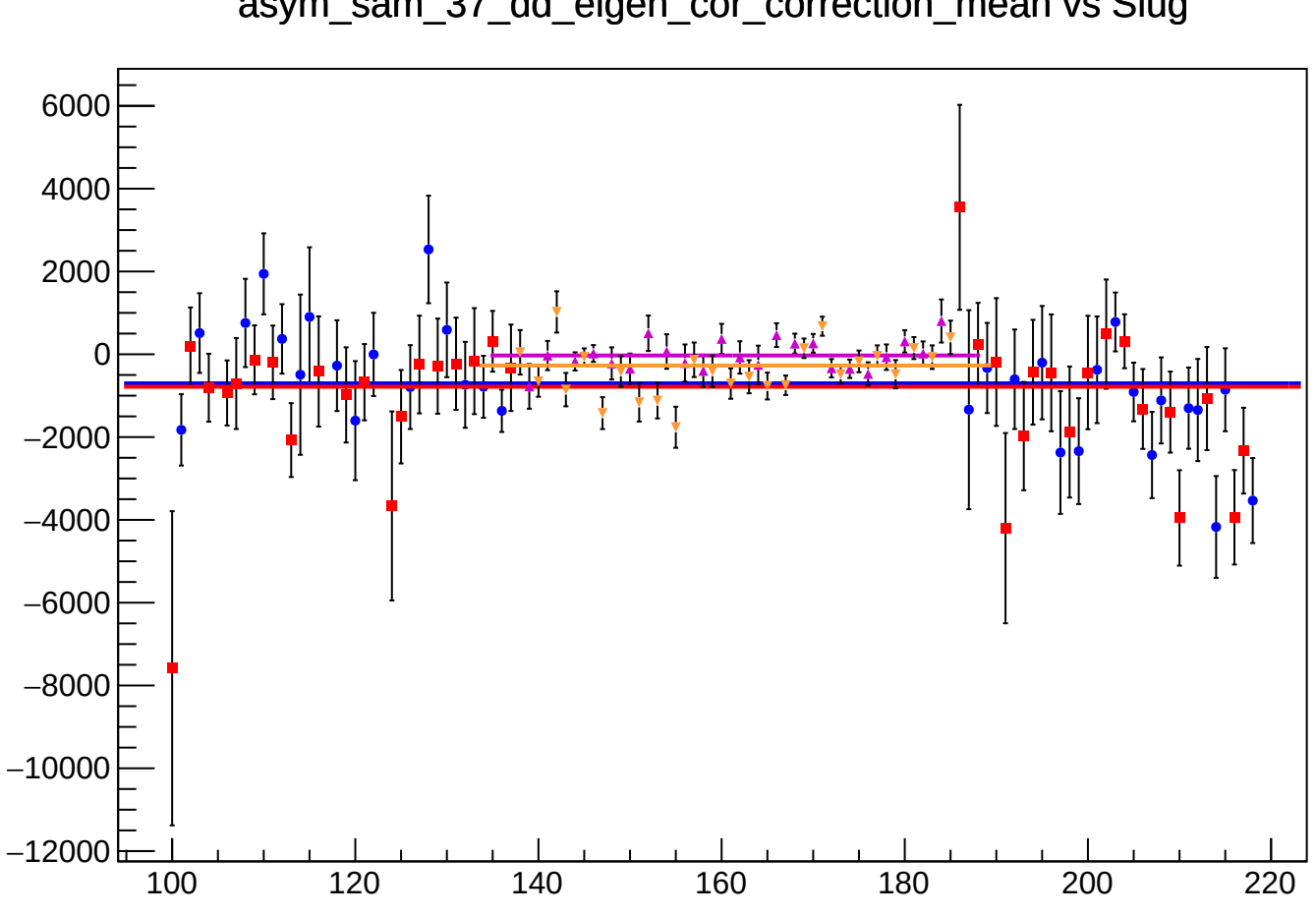
Right Out: 82.459+/-0.014 χ^2/NDF: 6392174.3/35

Left In: 47.425+/-0.008 χ^2/NDF:655736.9/22

+ sign 55.199+/-0.007 χ^2/NDF: 10667353.0/56

All: 55.498+/-0.005 χ^2/NDF: 22391002.3/115

- sign 55.815+/-0.007 χ^2/NDF: 11719567.3/58



Right In: -701.555+/-177.843 χ^2/NDF: 52.2/31

Left Out: -271.027+/-62.346 χ^2/NDF:73.9/24

Right Out: -784.213+/-180.232 χ^2/NDF: 42.7/35

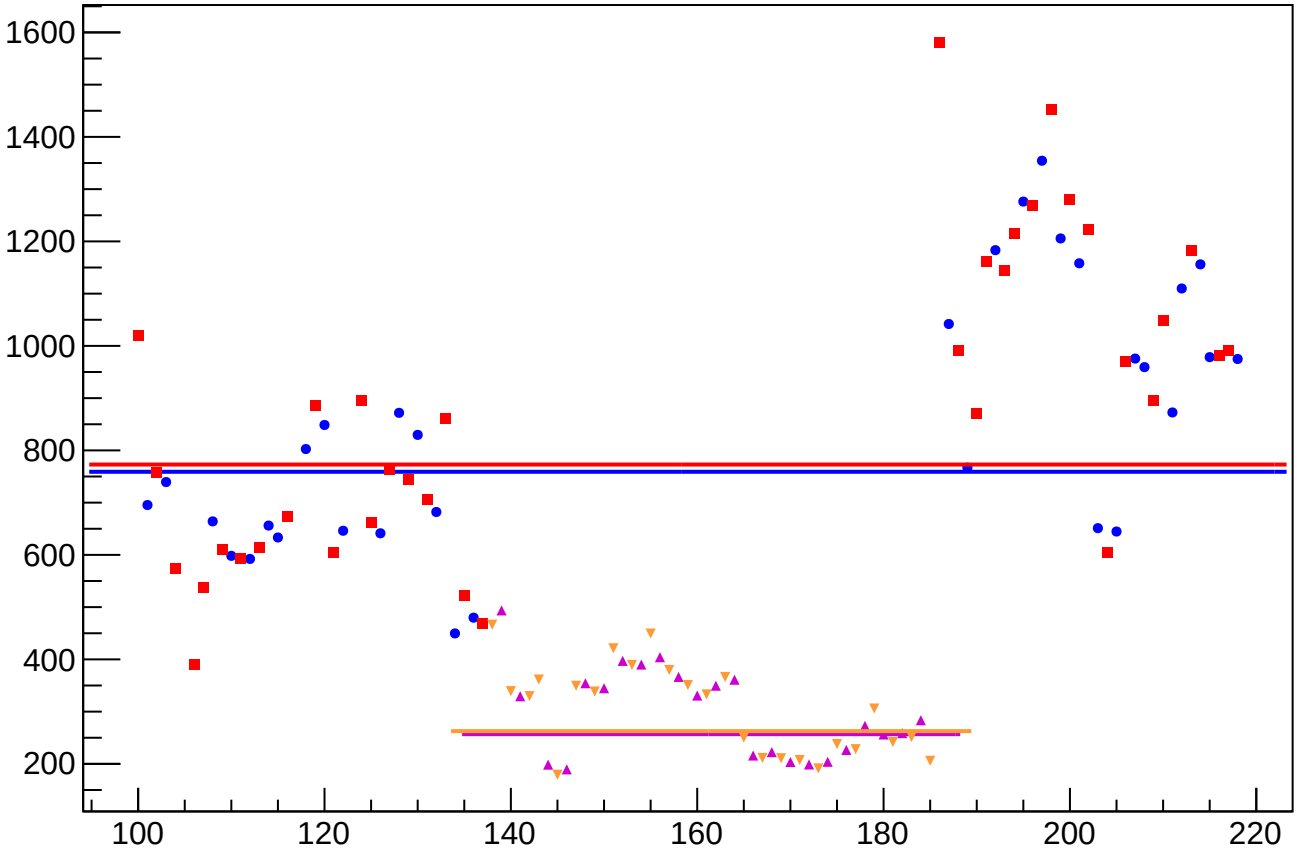
Left In: -29.202+/-62.671 χ^2/NDF:24.4/22

+ sign -318.147+/-58.835 χ^2/NDF: 131.3/56

All: -215.026+/-41.729 χ^2/NDF: 220.3/115

- sign -110.644+/-59.194 χ^2/NDF: 82.8/58

asym_sam_37_dd_eigen_cor_correction_rms vs Slug



Right In: 759.048+/-0.126 χ^2/NDF: 3376499.2/31

Left Out: 262.679+/-0.044 χ^2/NDF:2893257.1/24

Right Out: 772.916+/-0.127 χ^2/NDF: 4091279.4/35

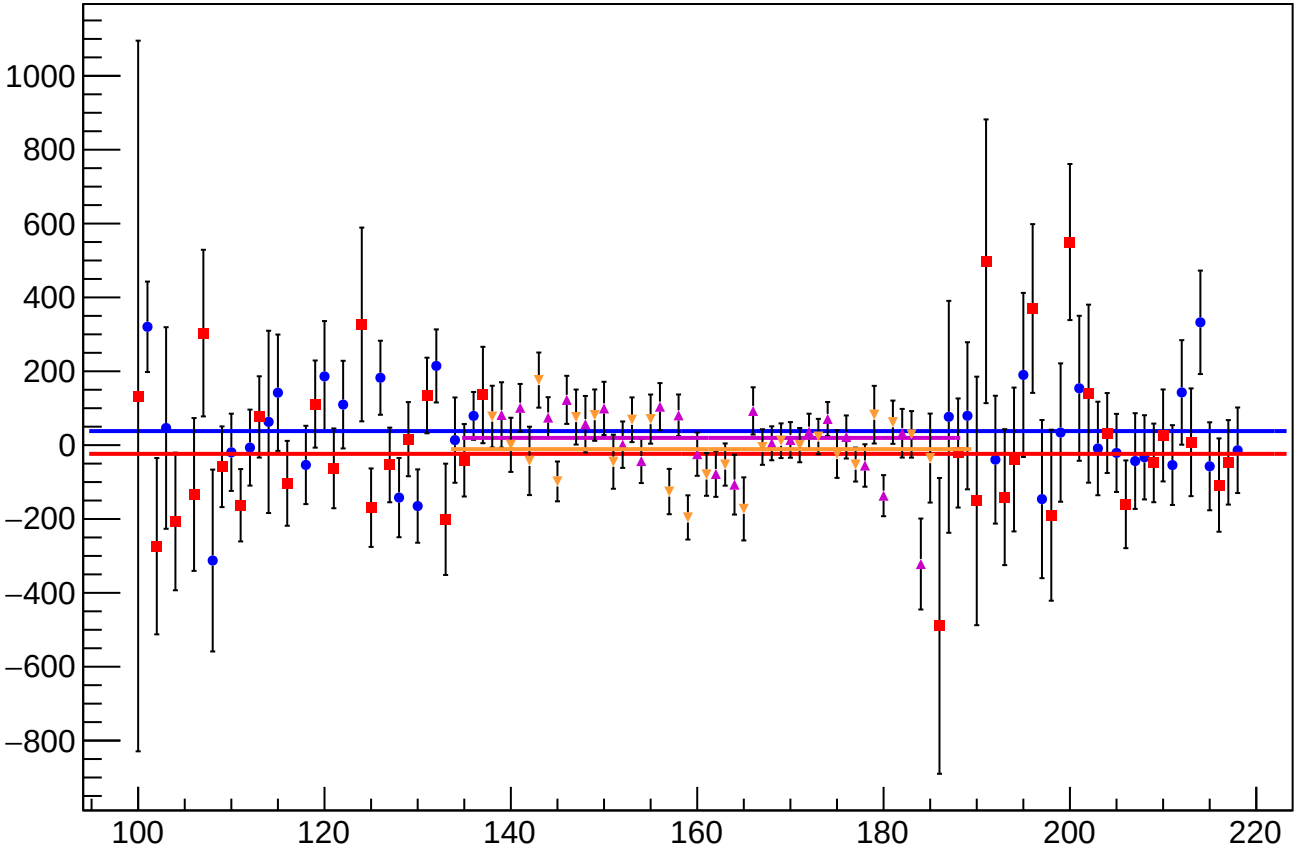
Left In: 256.842+/-0.044 χ^2/NDF:2639196.2/22

+ sign 317.005+/-0.042 χ^2/NDF: 20144556.4/56

All: 314.771+/-0.030 χ^2/NDF: 41510030.2/11

- sign 312.510+/-0.042 χ^2/NDF: 21359674.2/58

dit_asym_sam_37_dd_mean vs Slug



Right In: 38.046+/-22.182 χ^2/NDF: 32.6/31

Left Out: -10.823+/-12.306 χ^2/NDF:40.4/24

Right Out: -23.625+/-22.988 χ^2/NDF: 35.9/35

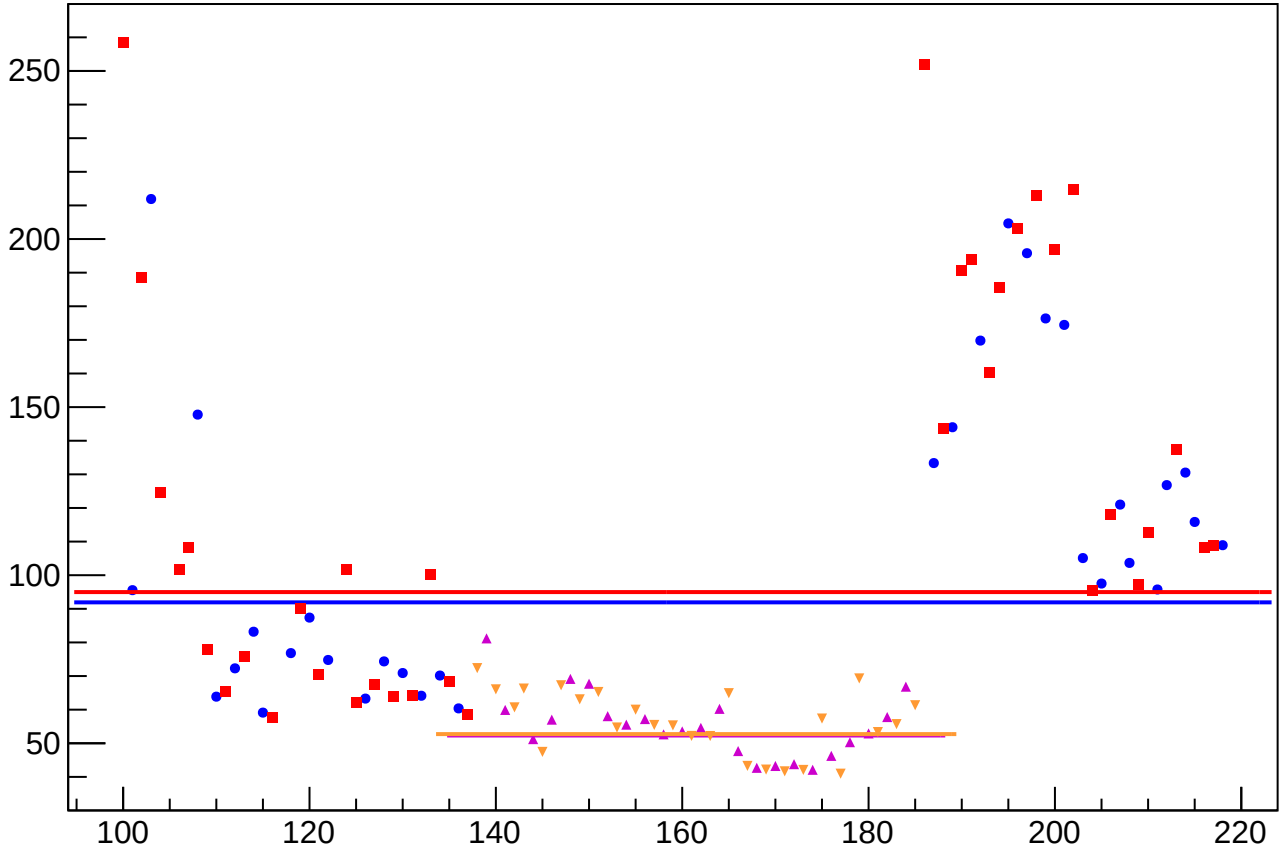
Left In: 19.597+/-12.546 χ^2/NDF:36.8/22

+ sign 0.678+/-10.761 χ^2/NDF: 76.8/56

All: 5.074+/-7.697 χ^2/NDF: 152.5/115

- sign 9.678+/-11.013 χ^2/NDF: 75.4/58

dit_asym_sam_37_dd_rms vs Slug



Right In: 91.921+/-0.016 χ^2/NDF: 4761134.6/31

Left Out: 52.731+/-0.009 χ^2/NDF:1167195.4/24

Right Out: 94.978+/-0.016 χ^2/NDF: 5825449.5/35

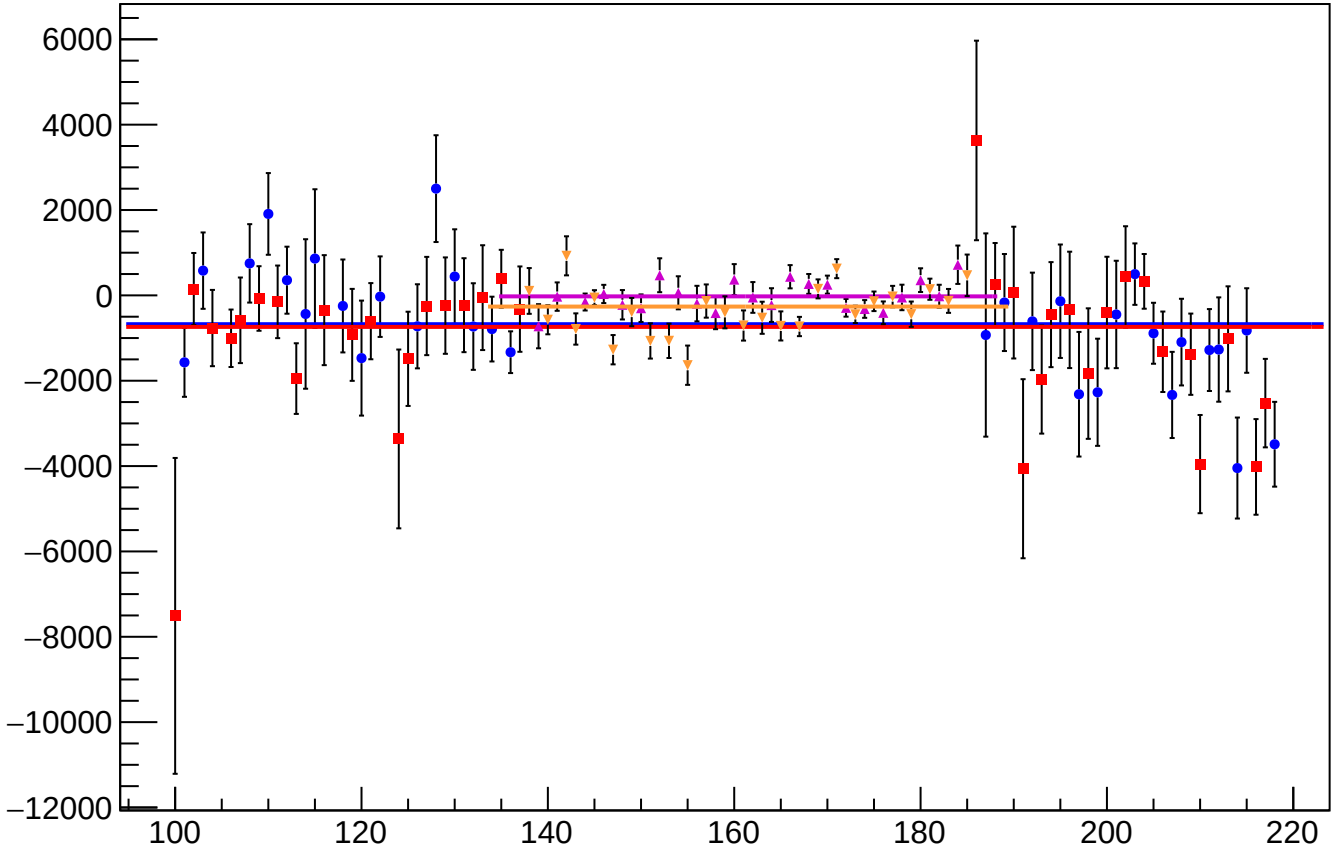
Left In: 52.314+/-0.009 χ^2/NDF:891847.5/22

+ sign 61.954+/-0.008 χ^2/NDF: 10701848.5/56

All: 62.028+/-0.005 χ^2/NDF: 22727323.1/115

- sign 62.105+/-0.008 χ^2/NDF: 12025282.5/58

asym_sam_37_dd_dit_correction_mean vs Slug



Right In: -675.492+/-172.431 χ^2/NDF: 51.5/31

Left Out: -262.582+/-58.501 χ^2/NDF:72.2/24

Right Out: -738.686+/-172.192 χ^2/NDF: 47.0/35

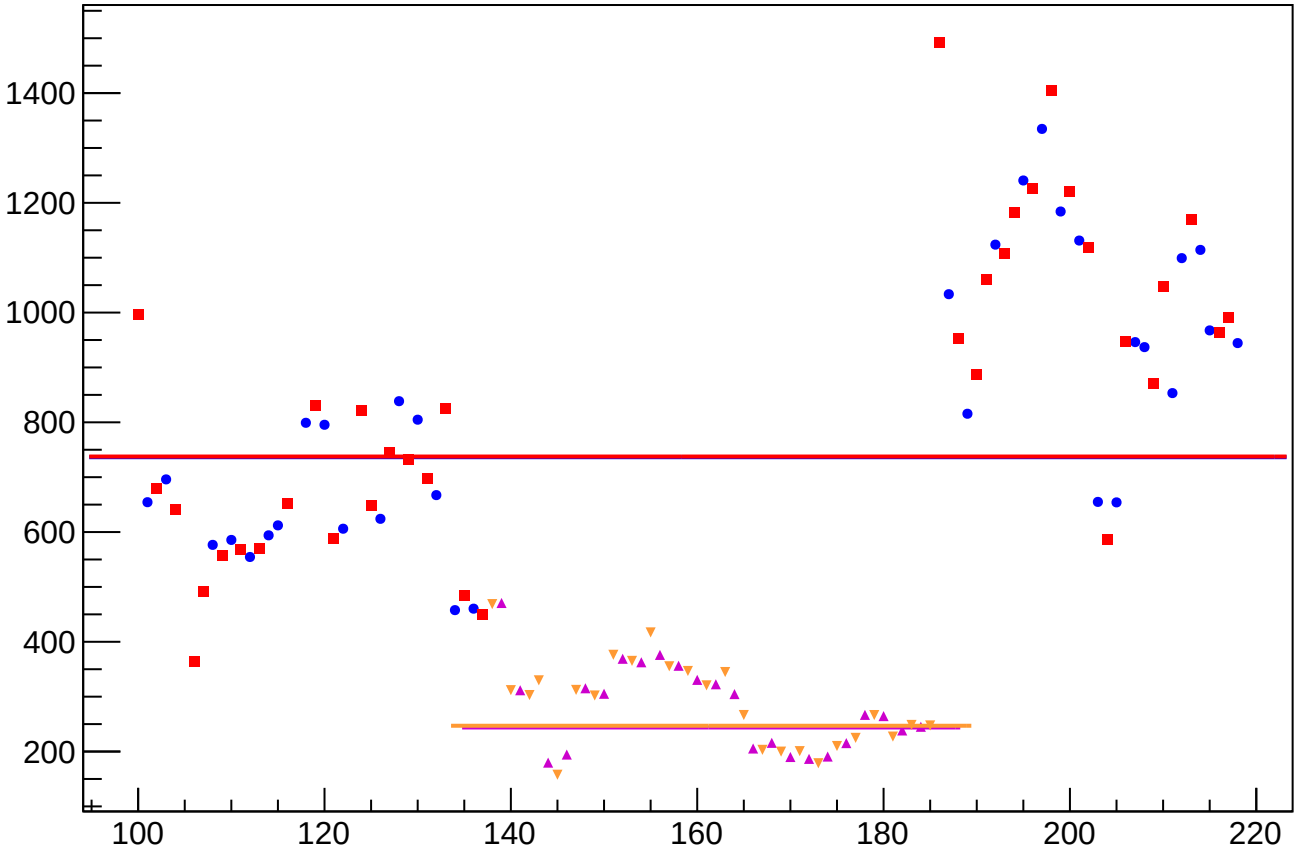
Left In: -23.469+/-59.397 χ^2/NDF:24.2/22

+ sign -305.203+/-55.399 χ^2/NDF: 128.8/56

All: -203.746+/-39.436 χ^2/NDF: 222.2/115

- sign -99.521+/-56.150 χ^2/NDF: 86.6/58

asym_sam_37_dd_dit_correction_rms vs Slug



Right In: 736.417+/-0.122 χ^2/NDF: 3447613.8/31

Left Out: 246.995+/-0.041 χ^2/NDF:2925691.6/24

Right Out: 737.647+/-0.122 χ^2/NDF: 4375812.1/35

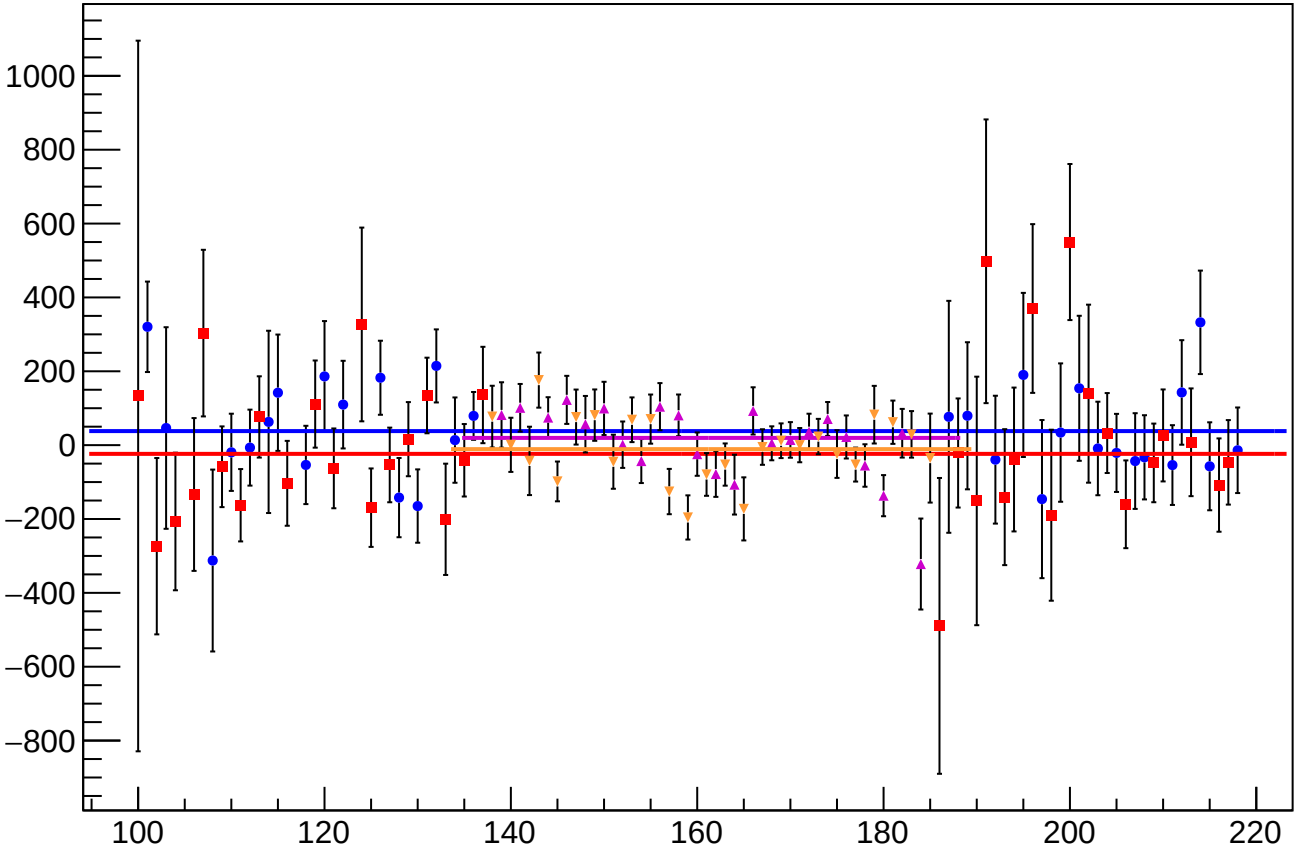
Left In: 243.825+/-0.042 χ^2/NDF:2490545.8/22

+ sign 297.515+/-0.039 χ^2/NDF: 20822670.8/56

All: 296.933+/-0.028 χ^2/NDF: 42389505.0/11

- sign 296.335+/-0.040 χ^2/NDF: 21566386.6/58

eigen_dit_asym_sam_37_dd_mean vs Slug



Right In: 38.046+/-22.182 χ^2/NDF: 32.6/31

Left Out: -10.822+/-12.306 χ^2/NDF:40.4/24

Right Out: -23.624+/-22.988 χ^2/NDF: 35.9/35

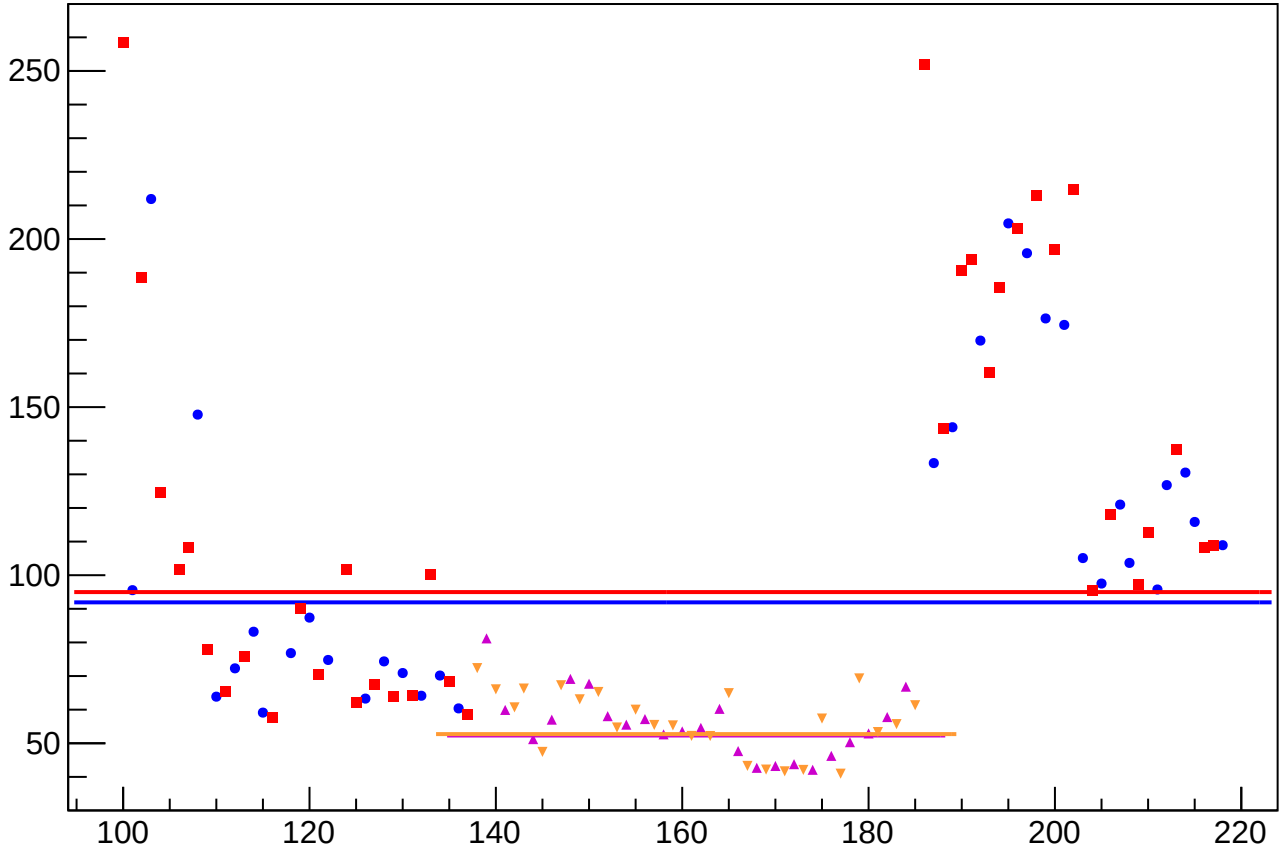
Left In: 19.598+/-12.546 χ^2/NDF:36.8/22

+ sign 0.679+/-10.761 χ^2/NDF: 76.8/56

All: 5.075+/-7.697 χ^2/NDF: 152.5/115

- sign 9.679+/-11.013 χ^2/NDF: 75.4/58

eigen_dit_asym_sam_37_dd_rms vs Slug



Right In: 91.921+/-0.016 χ^2/NDF: 4761169.7/31

Left Out: 52.731+/-0.009 χ^2/NDF:1167223.2/24

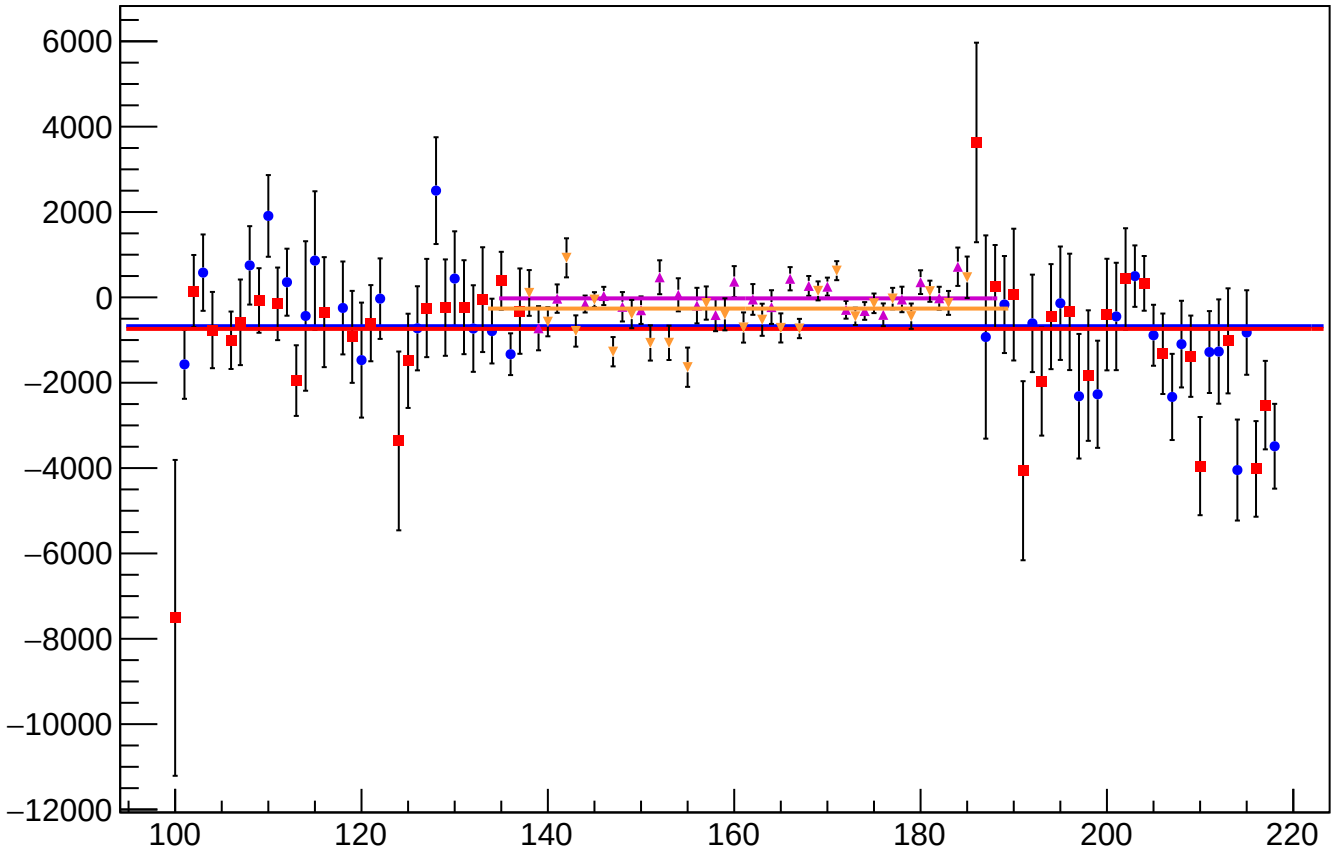
Right Out: 94.978+/-0.016 χ^2/NDF: 5825454.3/35

Left In: 52.314+/-0.009 χ^2/NDF:891856.0/22

+ sign 61.954+/-0.008 χ^2/NDF: 10701866.5/56

All: 62.028+/-0.005 χ^2/NDF: 22727321.4/115

- sign 62.105+/-0.008 χ^2/NDF: 12025262.8/58



Right In: -675.492+/-172.431 χ^2/NDF: 51.5/31

Left Out: -262.582+/-58.501 χ^2/NDF:72.2/24

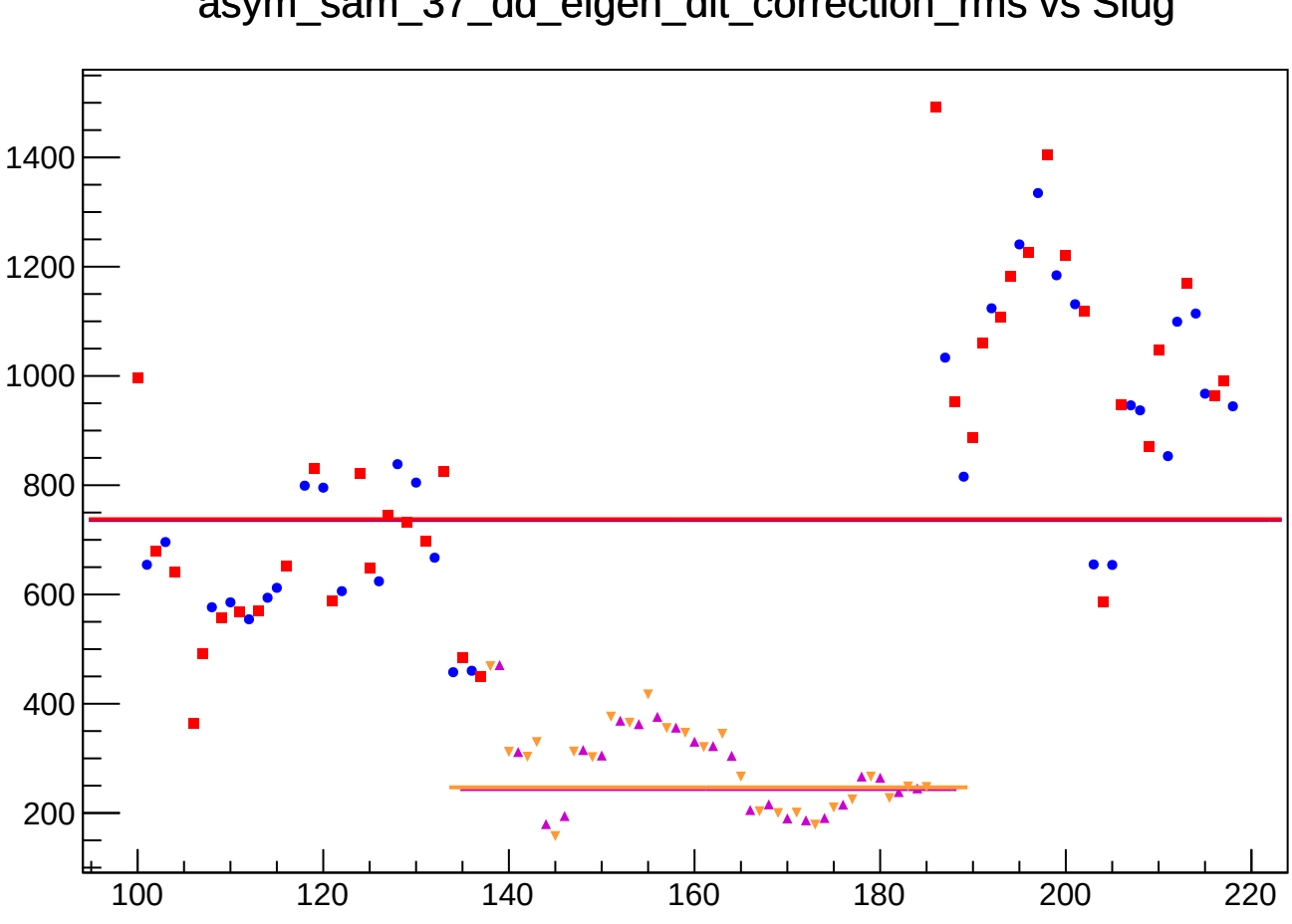
Right Out: -738.685+/-172.192 χ^2/NDF: 47.0/35

Left In: -23.469+/-59.397 χ^2/NDF:24.2/22

+ sign -305.204+/-55.399 χ^2/NDF: 128.8/56

All: -203.746+/-39.436 χ^2/NDF: 222.2/115

- sign -99.521+/-56.150 χ^2/NDF: 86.6/58



Right In: 736.417+/-0.122 χ^2/NDF: 3447592.4/31

Left Out: 246.995+/-0.041 χ^2/NDF:2925680.1/24

Right Out: 737.647+/-0.122 χ^2/NDF: 4375801.6/35

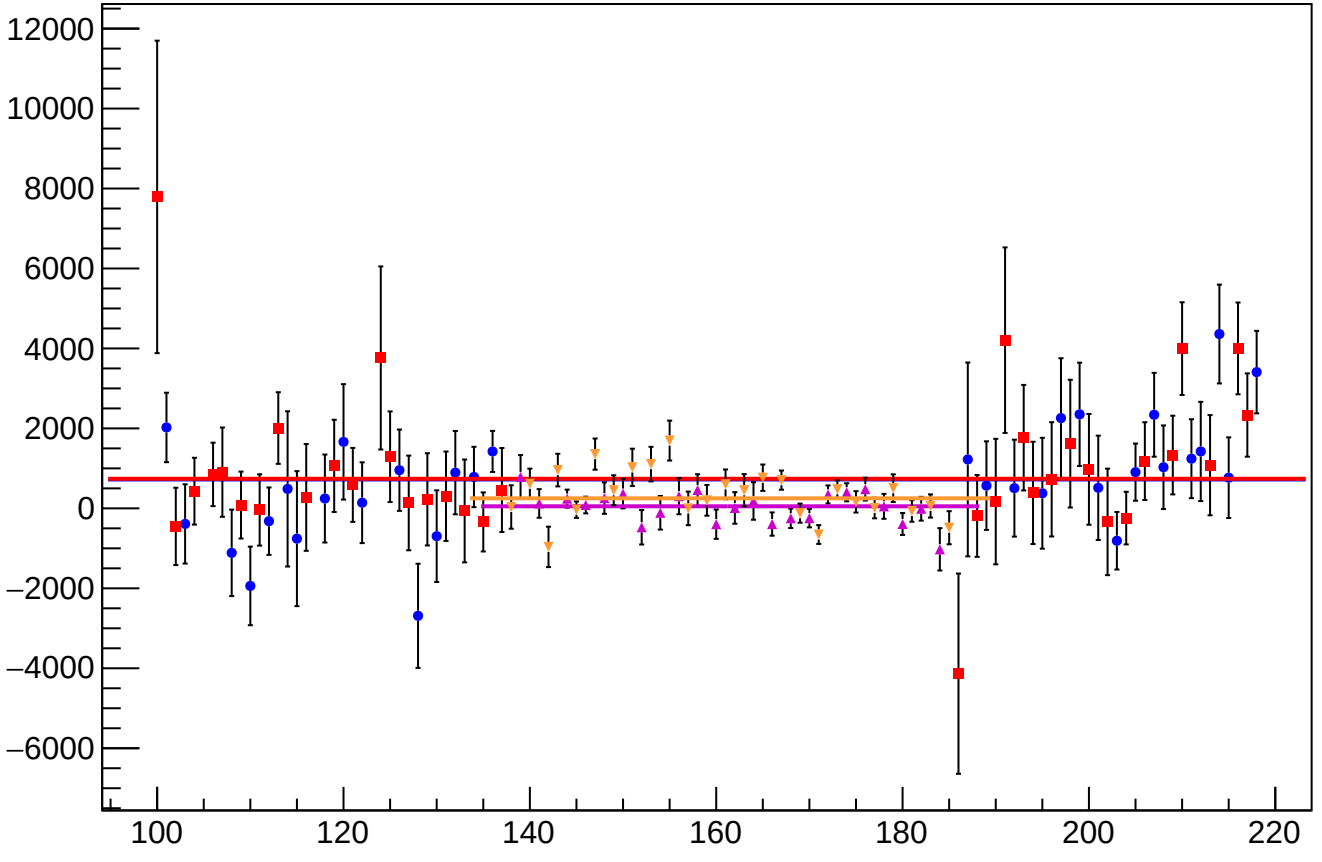
Left In: 243.825+/-0.042 χ^2/NDF:2490539.0/22

+ sign 297.515+/-0.039 χ^2/NDF: 20822654.9/56

All: 296.933+/-0.028 χ^2/NDF: 42389481.1/11

- sign 296.335+/-0.040 χ^2/NDF: 21566378.6/58

asym_sam_37_dd_mean vs Slug



Right In: 723.233+/-179.321 χ^2/NDF: 53.2/31

Left Out: 251.109+/-63.424 χ^2/NDF:67.5/24

Right Out: 739.999+/-181.763 χ^2/NDF: 43.6/35

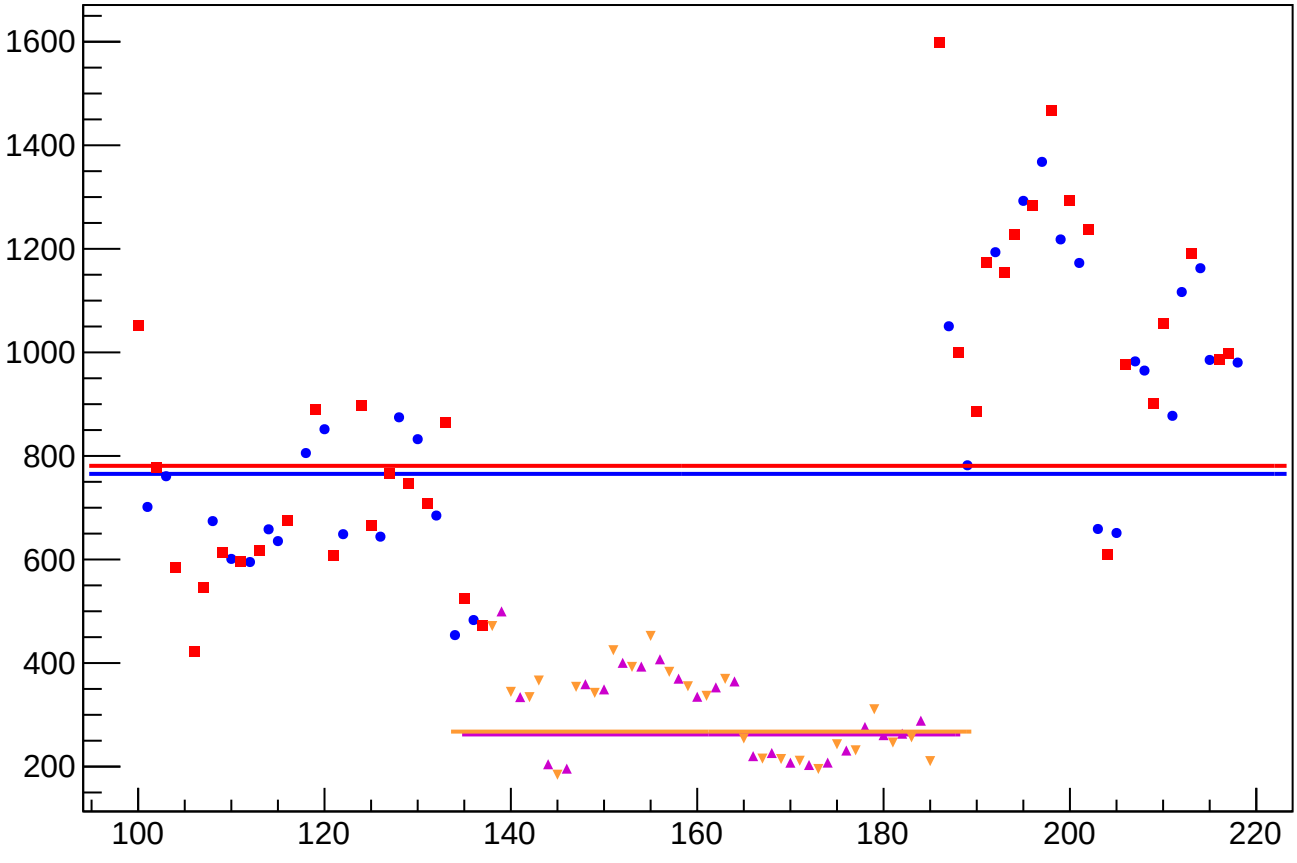
Left In: 51.707+/-63.843 χ^2/NDF:26.8/22

+ sign 303.603+/-59.794 χ^2/NDF: 126.9/56

All: 216.099+/-42.436 χ^2/NDF: 214.4/115

- sign 127.297+/-60.235 χ^2/NDF: 83.2/58

asym_sam_37_dd_rms vs Slug



Right In: 765.348+/-0.127 χ^2/NDF: 3380995.2/31

Left Out: 267.589+/-0.045 χ^2/NDF:2801460.2/24

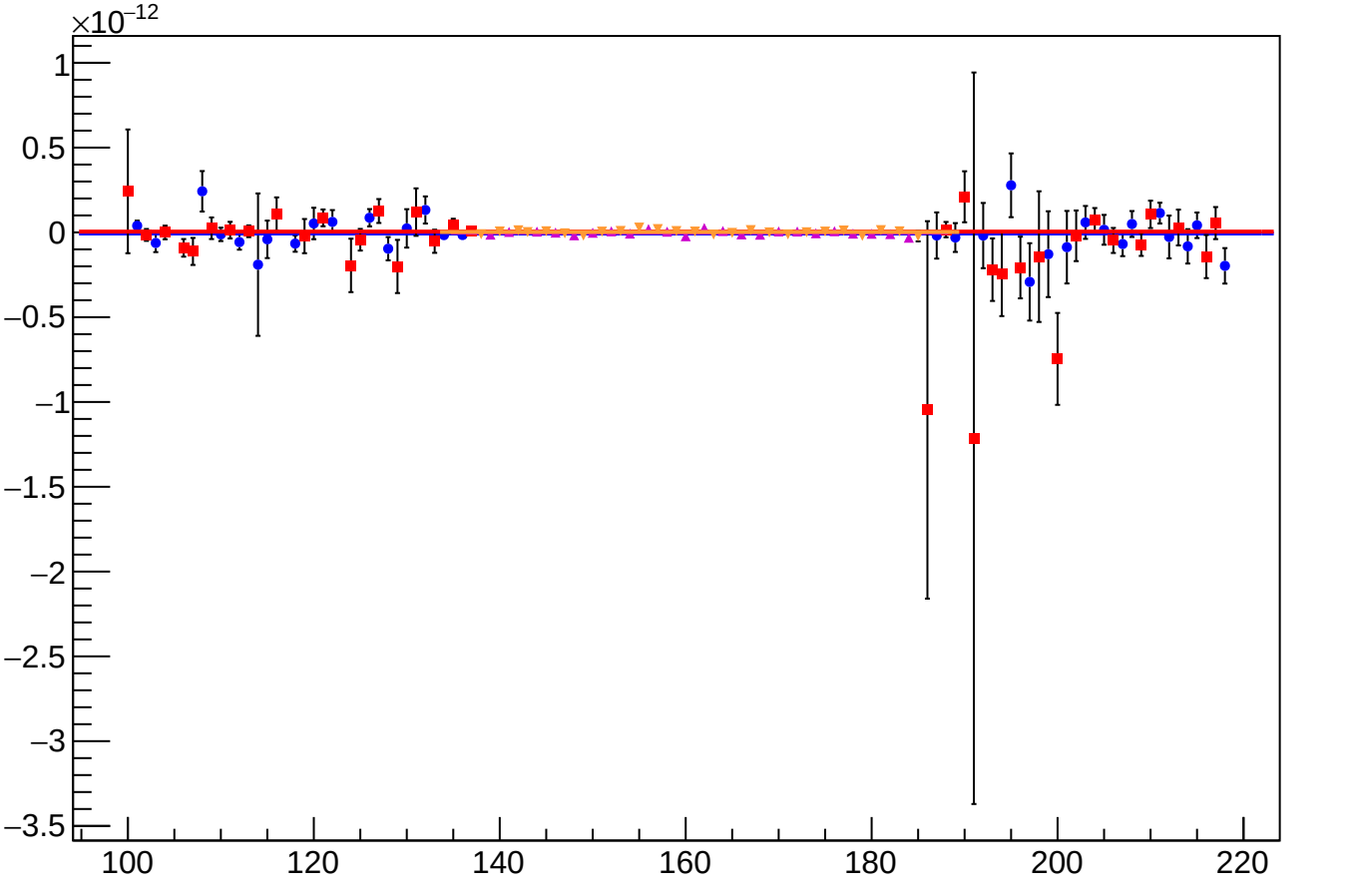
Right Out: 780.885+/-0.129 χ^2/NDF: 4029230.8/35

Left In: 262.092+/-0.045 χ^2/NDF:2537465.8/22

+ sign 322.933+/-0.042 χ^2/NDF: 19879112.3/56

All: 321.014+/-0.030 χ^2/NDF: 40953779.1/11

- sign 319.068+/-0.043 χ^2/NDF: 21070519.4/58



Right In: -0.000+/-0.000 χ^2/NDF: 35.3/31

Left Out: 0.000+/-0.000 χ^2/NDF:15.2/24

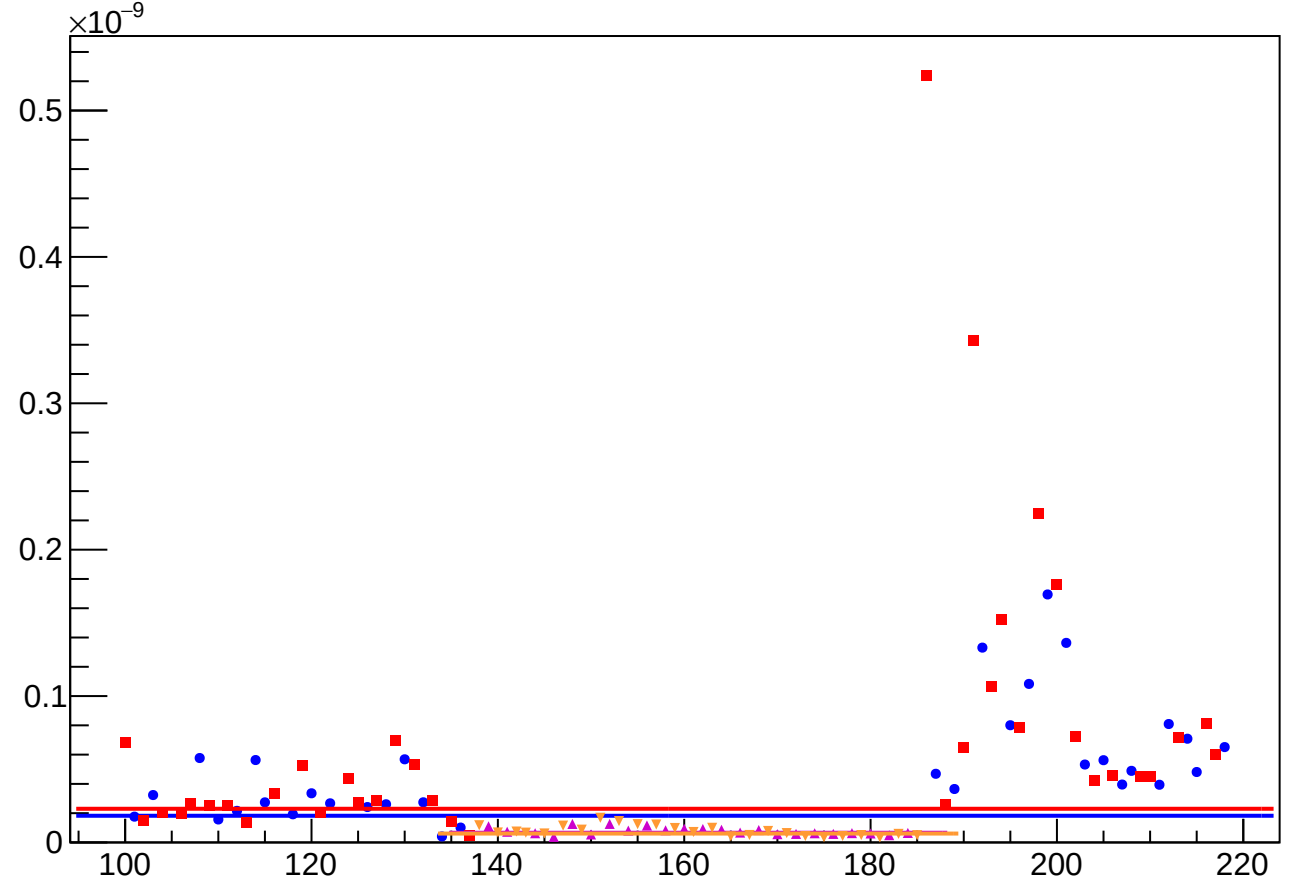
Right Out: 0.000+/-0.000 χ^2/NDF: 40.8/35

Left In: -0.000+/-0.000 χ^2/NDF:12.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 51.4/56

All: 0.000+/-0.000 χ^2/NDF: 105.5/115

- sign -0.000+/-0.000 χ^2/NDF: 53.4/58



Right In: 0.000+/-0.000 χ^2/NDF: 8541902.6/31

Left Out: 0.000+/-0.000 χ^2/NDF:2413933.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7169897.5/35

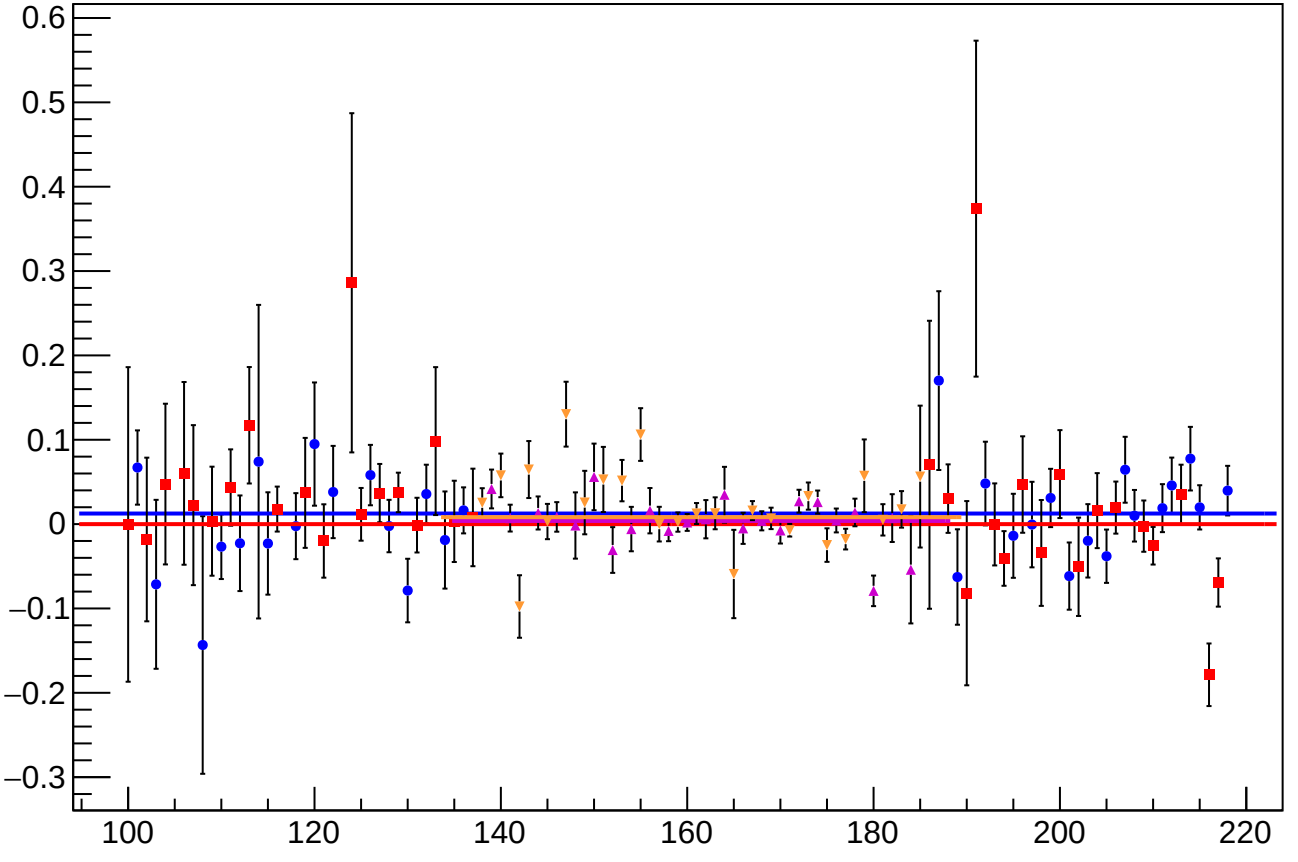
Left In: 0.000+/-0.000 χ^2/NDF:1176996.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 14518920.1/56

All: 0.000+/-0.000 χ^2/NDF: 27576080.2/115

- sign 0.000+/-0.000 χ^2/NDF: 12980662.4/58

asym_sam_37_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.013+/-0.007 χ^2/NDF: 33.7/31

Left Out: 0.008+/-0.003 χ^2/NDF:58.8/24

Right Out: -0.000+/-0.007 χ^2/NDF: 53.9/35

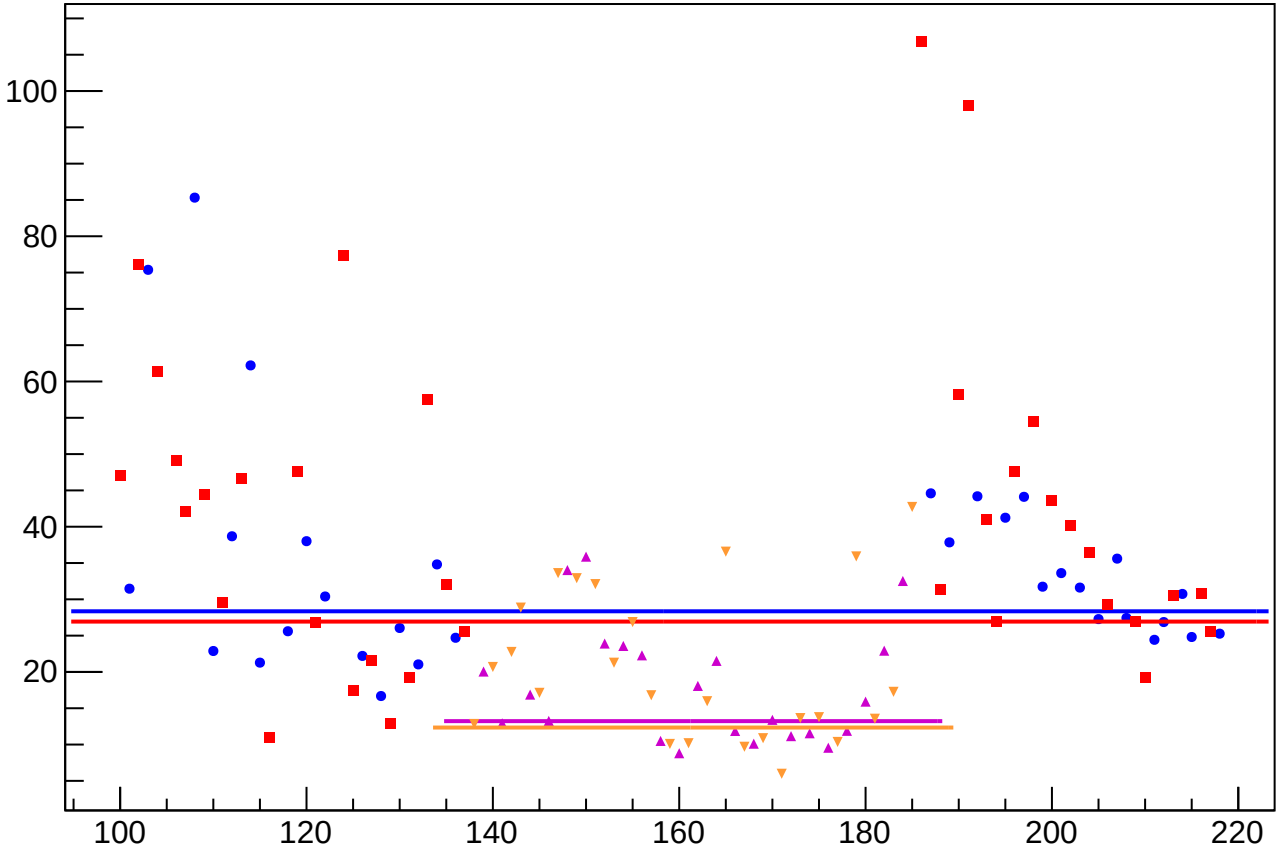
Left In: 0.004+/-0.004 χ^2/NDF:37.2/22

+ sign 0.009+/-0.003 χ^2/NDF: 92.8/56

All: 0.006+/-0.002 χ^2/NDF: 186.0/115

- sign 0.003+/-0.003 χ^2/NDF: 91.3/58

asym_sam_37_dd_dit_vs_cor_diff_rms vs Slug



Right In: 28.352+/-0.005 χ^2/NDF: 2356717.6/31

Left Out: 12.343+/-0.002 χ^2/NDF:6743594.0/24

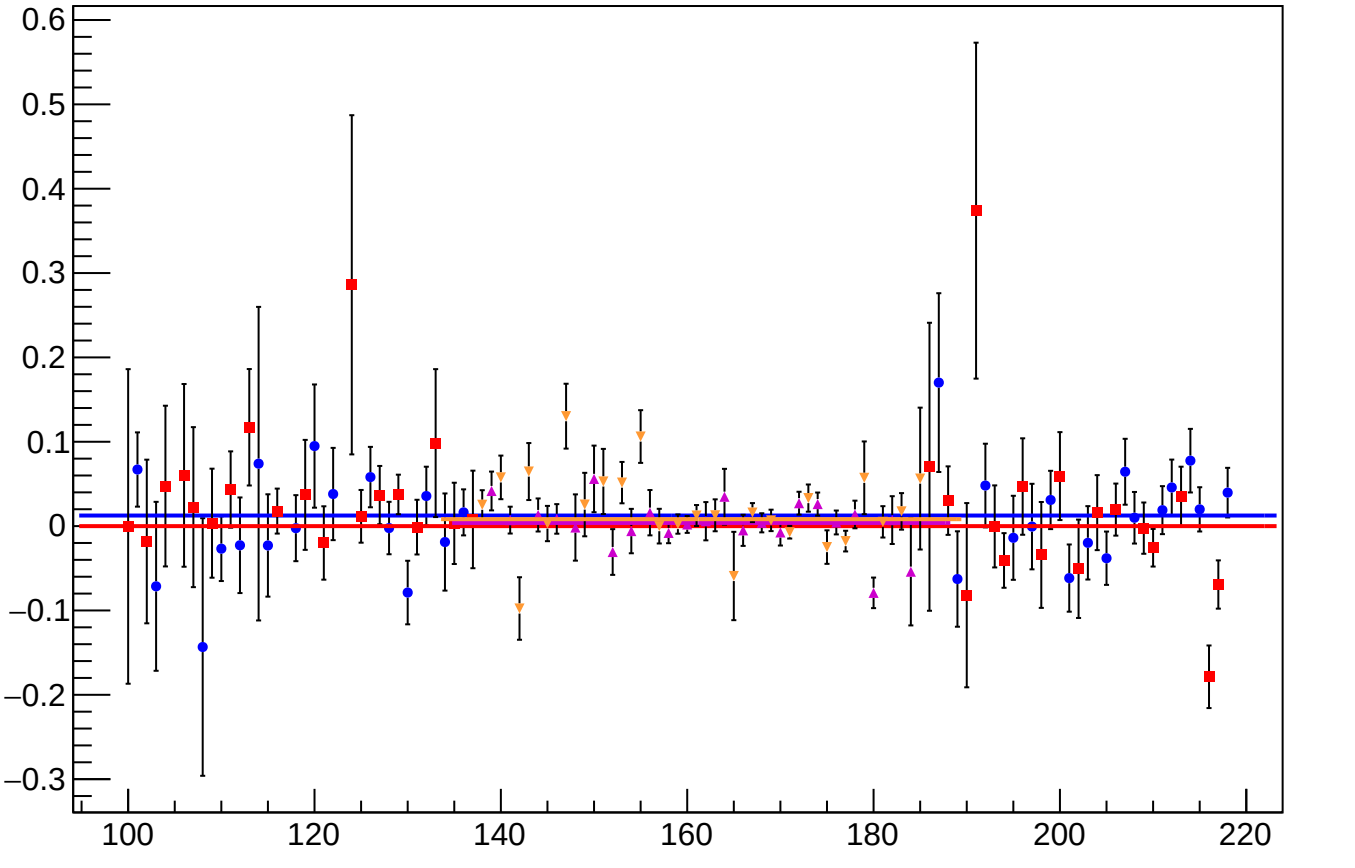
Right Out: 26.935+/-0.005 χ^2/NDF: 6014144.6/35

Left In: 13.225+/-0.003 χ^2/NDF:3870352.4/22

+ sign 15.415+/-0.002 χ^2/NDF: 17345305.6/56

All: 15.728+/-0.002 χ^2/NDF: 33176793.5/115

- sign 16.068+/-0.002 χ^2/NDF: 15789067.4/58



Right In: 0.013+/-0.007 χ^2/NDF: 33.7/31

Left Out: 0.008+/-0.003 χ^2/NDF:58.8/24

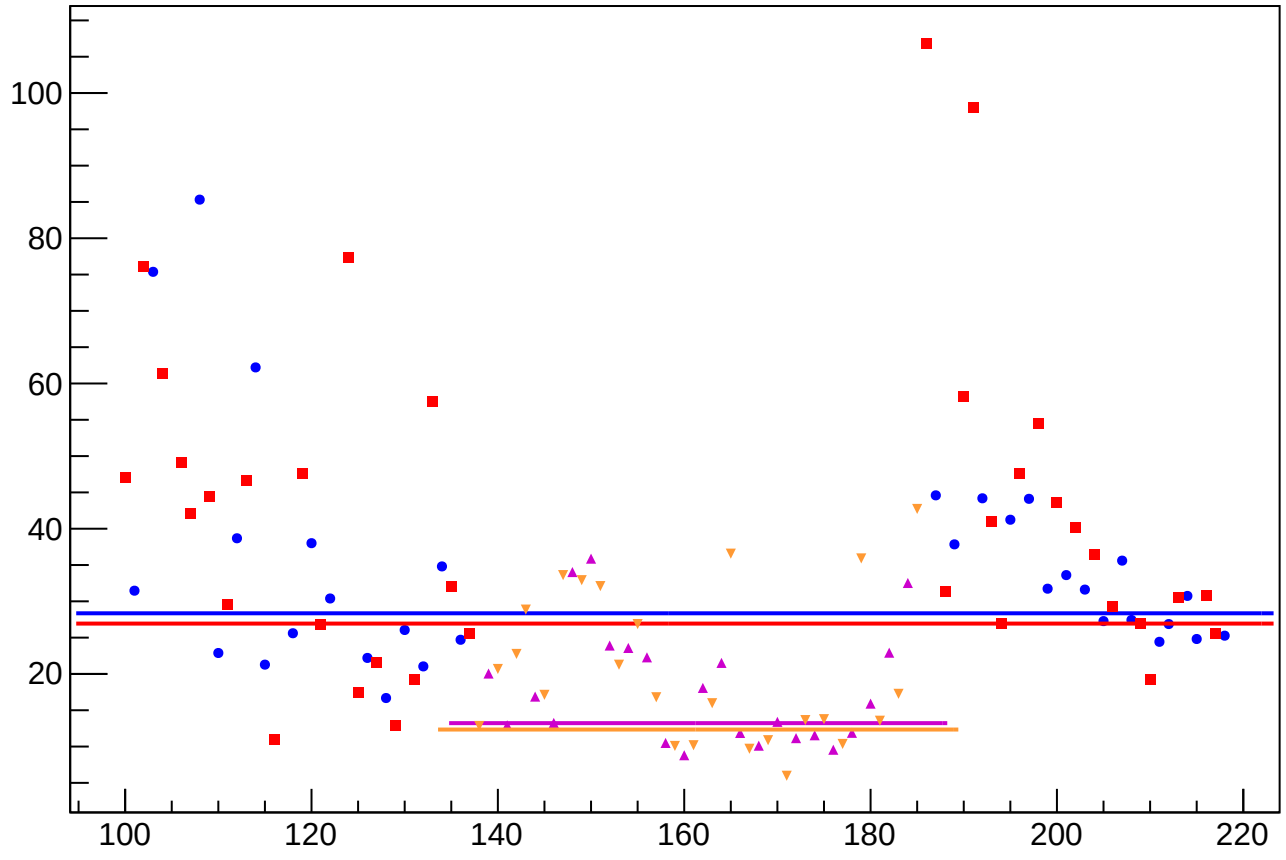
Right Out: -0.000+/-0.007 χ^2/NDF: 53.9/35

Left In: 0.004+/-0.004 χ^2/NDF:37.2/22

+ sign 0.009+/-0.003 χ^2/NDF: 92.8/56

All: 0.006+/-0.002 χ^2/NDF: 186.0/115

- sign 0.003+/-0.003 χ^2/NDF: 91.3/58



Right In: 28.352+/-0.005 χ^2/NDF: 2356717.6/31

Left Out: 12.343+/-0.002 χ^2/NDF:6743594.0/24

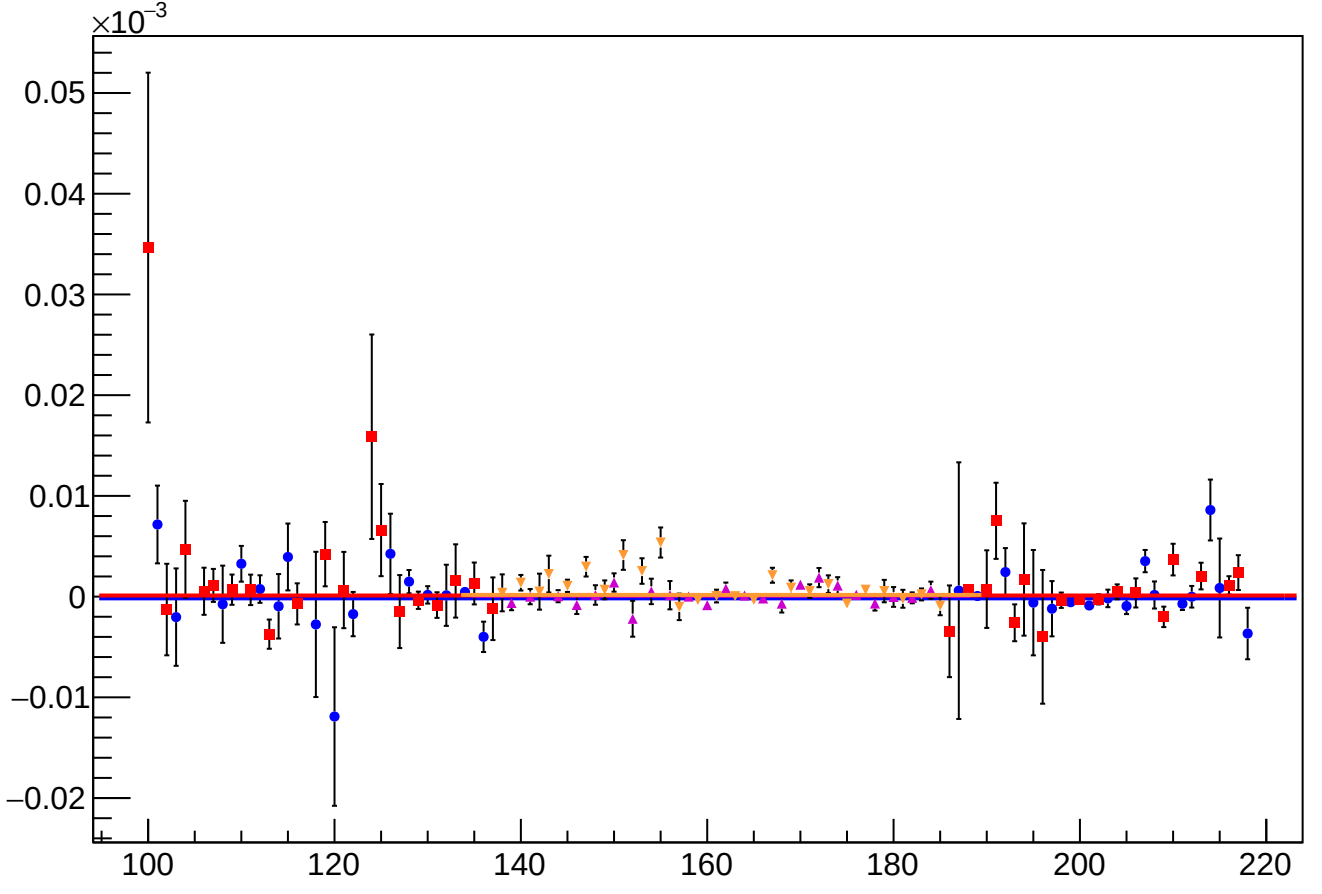
Right Out: 26.935+/-0.005 χ^2/NDF: 6014144.6/35

Left In: 13.225+/-0.003 χ^2/NDF:3870352.4/22

+ sign 15.415+/-0.002 χ^2/NDF: 17345305.6/56

All: 15.728+/-0.002 χ^2/NDF: 33176793.5/115

- sign 16.068+/-0.002 χ^2/NDF: 15789067.4/58



Right In: -0.000+/-0.000 χ^2/NDF: 52.8/31

Left Out: 0.000+/-0.000 χ^2/NDF:61.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 46.1/35

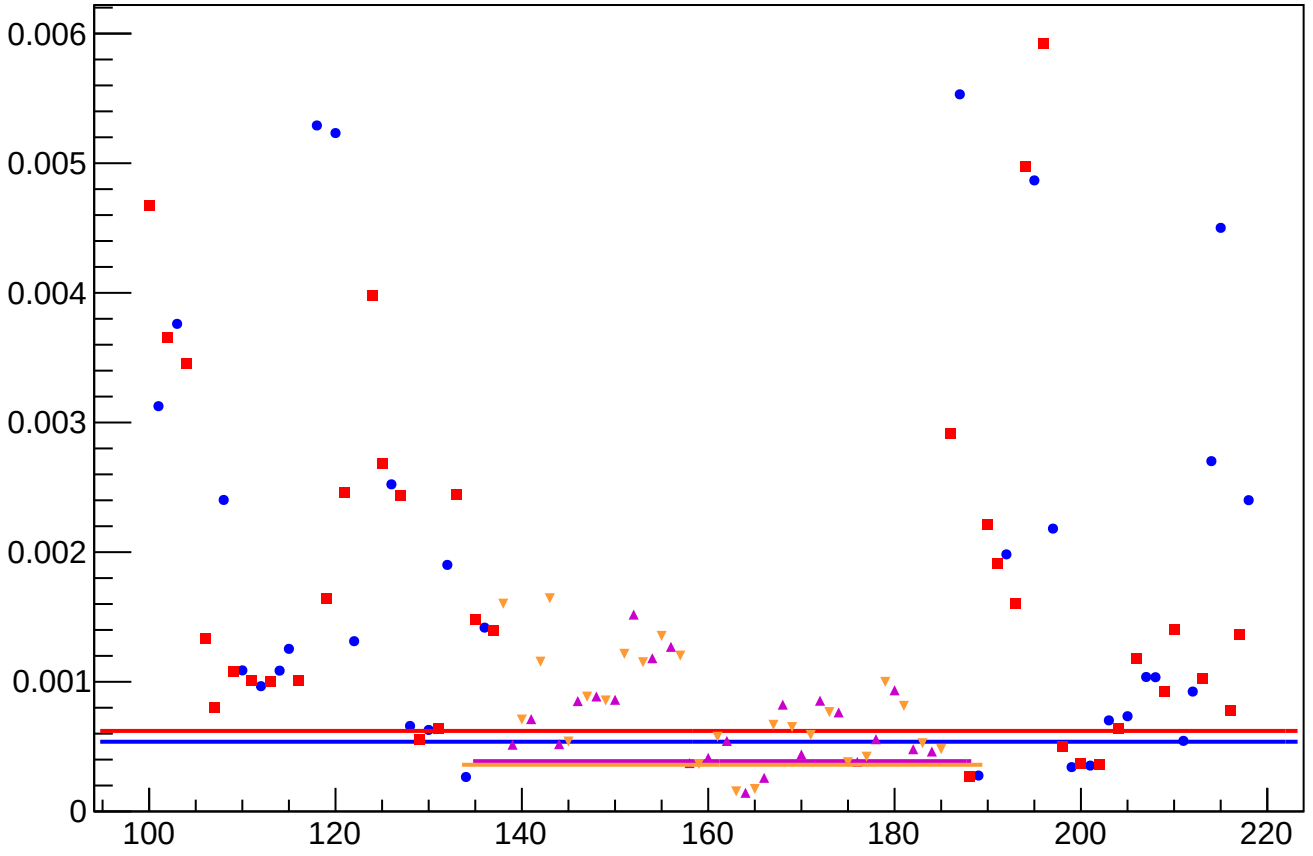
Left In: 0.000+/-0.000 χ^2/NDF:24.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 117.3/56

All: 0.000+/-0.000 χ^2/NDF: 188.0/115

- sign 0.000+/-0.000 χ^2/NDF: 70.6/58

asym_sam_37_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 16052924.3/31

Left Out: 0.000+/-0.000 χ^2/NDF:14019628.7/24

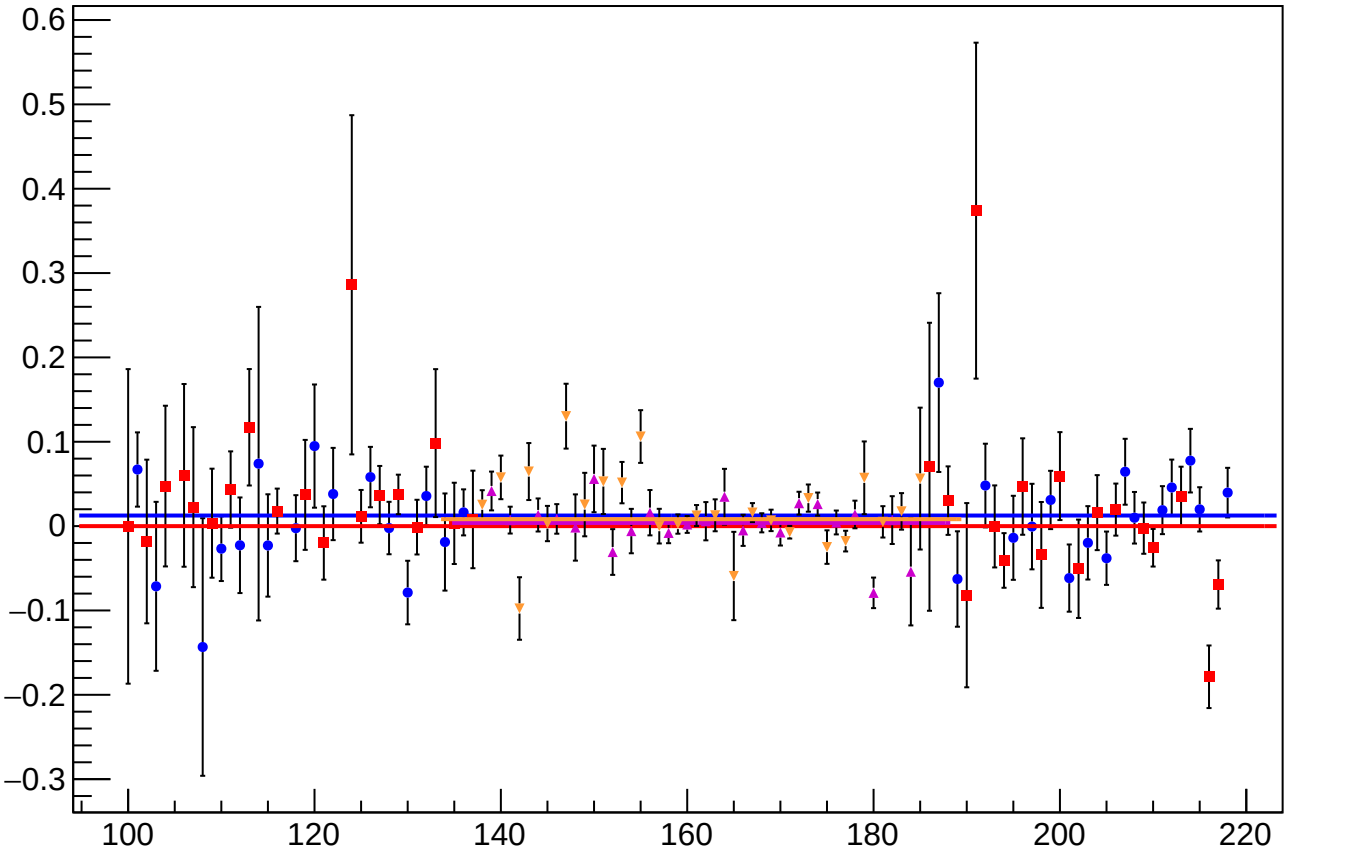
Right Out: 0.001+/-0.000 χ^2/NDF: 13477698.1/35

Left In: 0.000+/-0.000 χ^2/NDF:10459340.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 31686712.3/56

All: 0.000+/-0.000 χ^2/NDF: 58041419.1/115

- sign 0.000+/-0.000 χ^2/NDF: 26181418.7/58



Right In: 0.013+/-0.007 χ^2/NDF: 33.7/31

Left Out: 0.008+/-0.003 χ^2/NDF:58.8/24

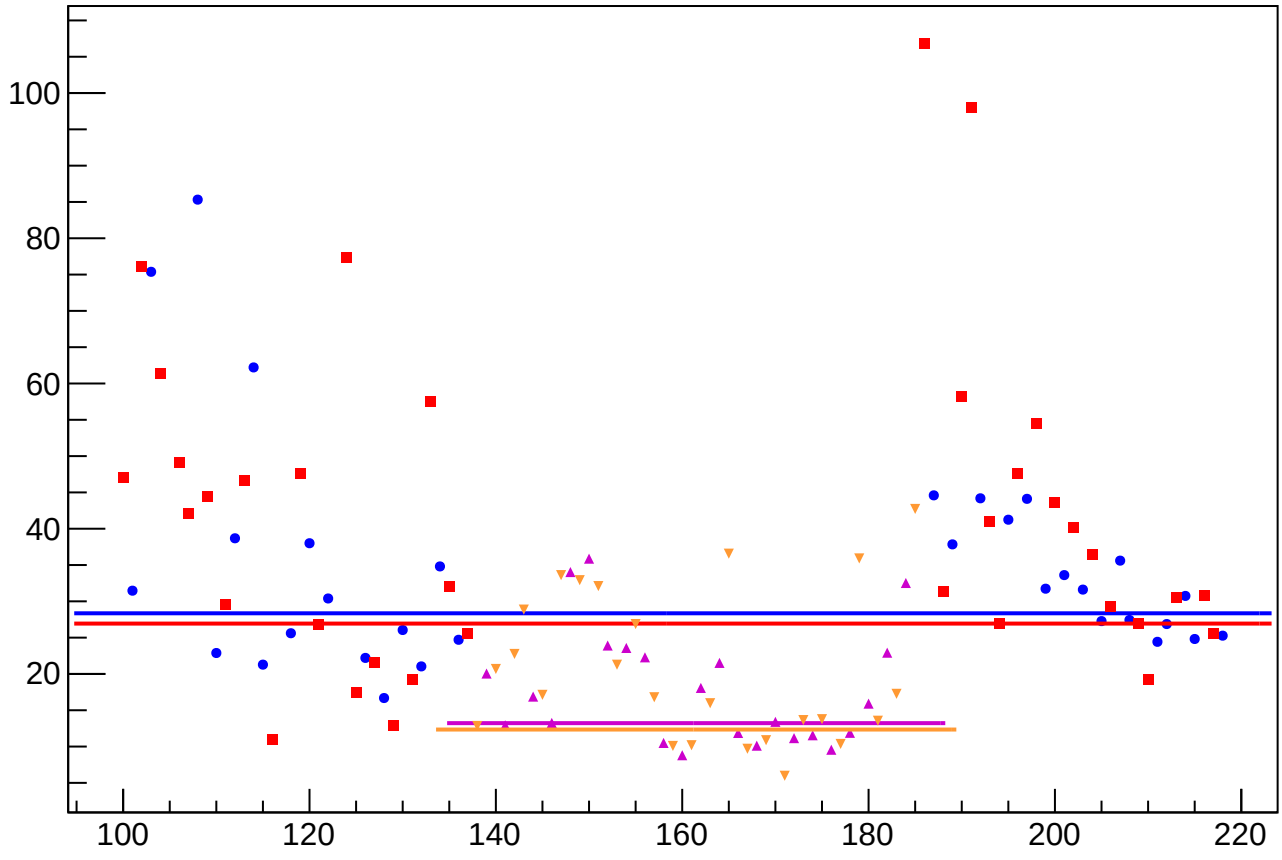
Right Out: -0.000+/-0.007 χ^2/NDF: 53.9/35

Left In: 0.004+/-0.004 χ^2/NDF:37.2/22

+ sign 0.009+/-0.003 χ^2/NDF: 92.8/56

All: 0.006+/-0.002 χ^2/NDF: 186.0/115

- sign 0.003+/-0.003 χ^2/NDF: 91.3/58



Right In: 28.353+/-0.005 χ^2/NDF: 2356606.3/31

Left Out: 12.343+/-0.002 χ^2/NDF:6743823.4/24

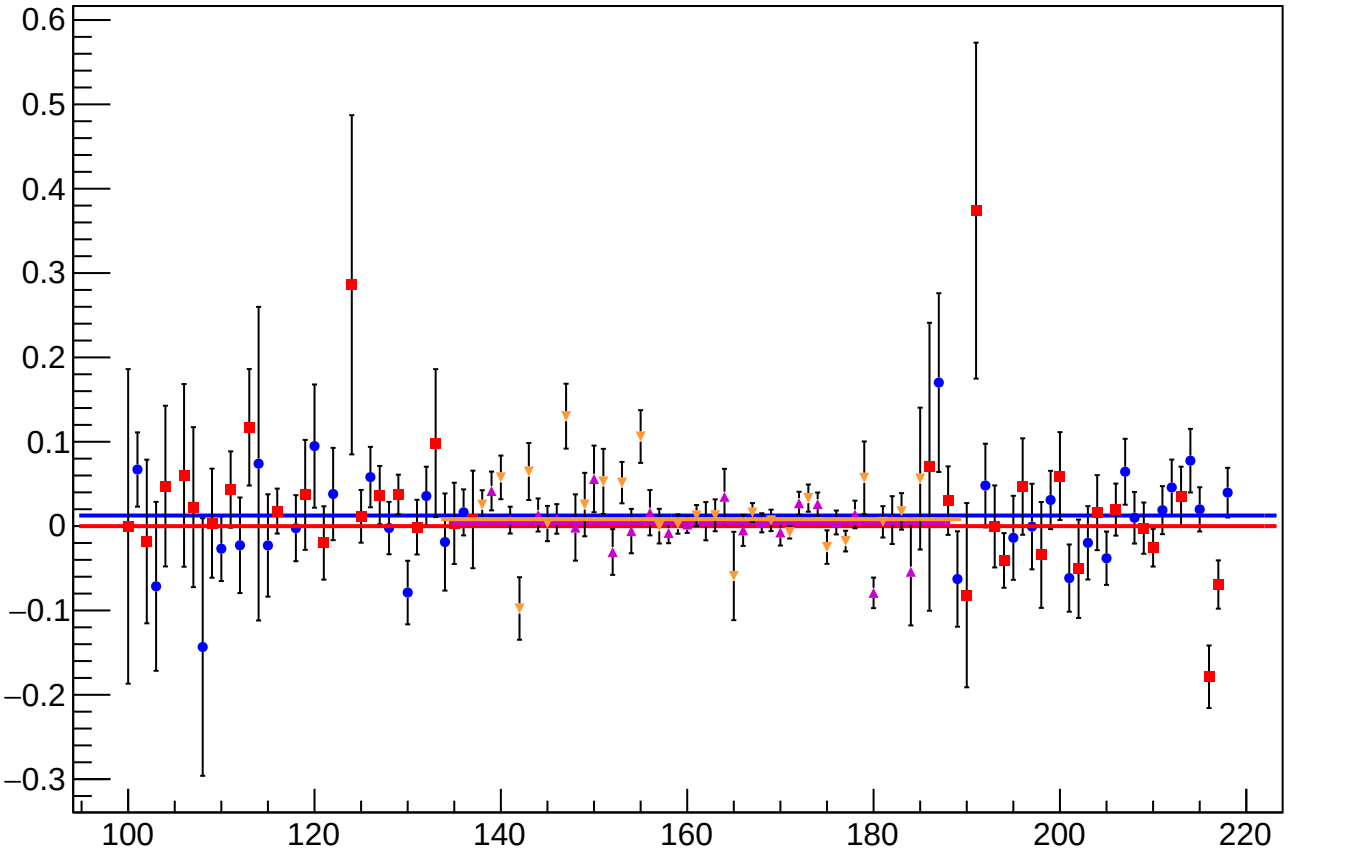
Right Out: 26.936+/-0.005 χ^2/NDF: 6013846.1/35

Left In: 13.225+/-0.003 χ^2/NDF:3870507.9/22

\+ sign 15.415+/-0.002 χ^2/NDF: 17345659.4/56

All: 15.728+/-0.002 χ^2/NDF: 33177270.2/115

\- sign 16.068+/-0.002 χ^2/NDF: 15789194.1/58



Right In: 0.013+/-0.007 χ^2/NDF: 33.7/31

Left Out: 0.008+/-0.003 χ^2/NDF:58.8/24

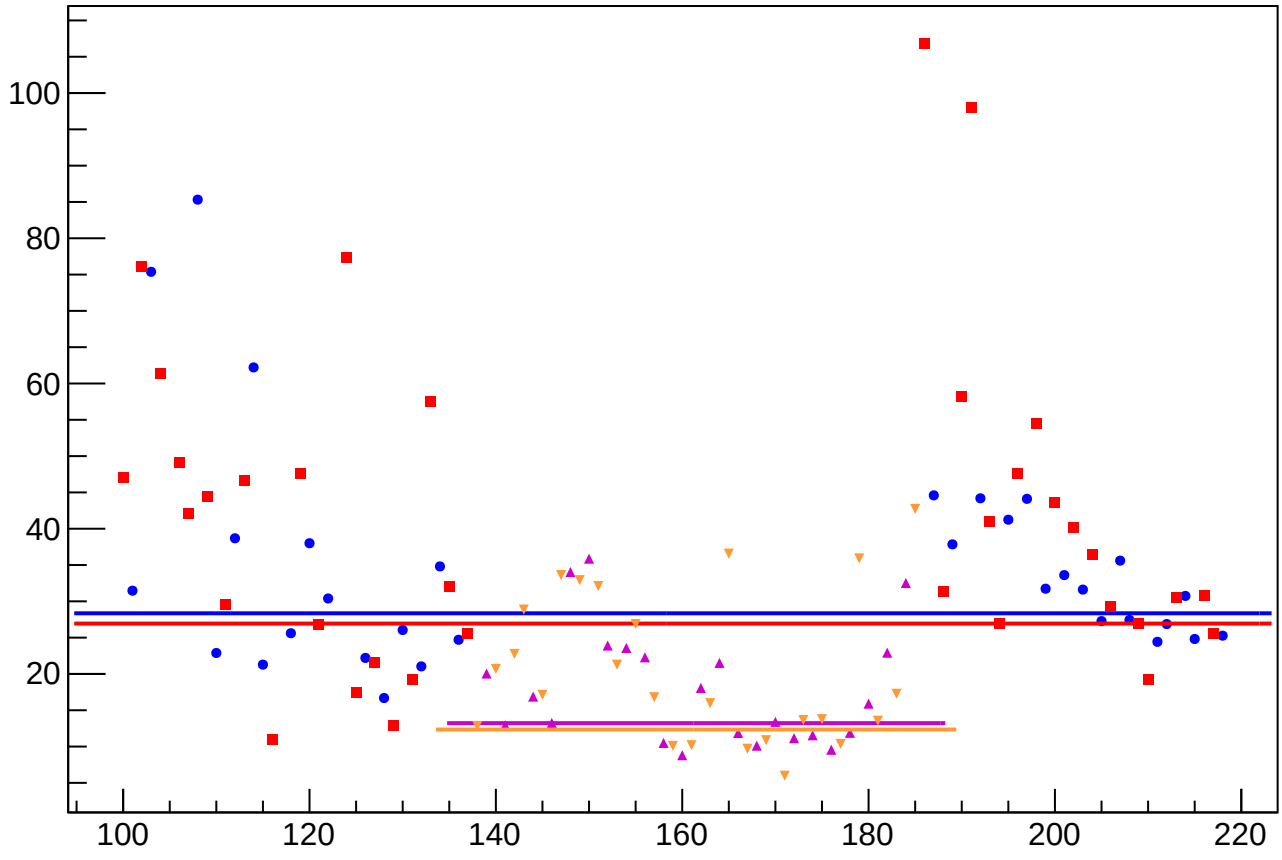
Right Out: -0.000+/-0.007 χ^2/NDF: 53.9/35

Left In: 0.004+/-0.004 χ^2/NDF:37.2/22

+ sign 0.009+/-0.003 χ^2/NDF: 92.8/56

All: 0.006+/-0.002 χ^2/NDF: 186.0/115

- sign 0.003+/-0.003 χ^2/NDF: 91.3/58



Right In: 28.353+/-0.005 χ^2/NDF: 2356606.3/31

Left Out: 12.343+/-0.002 χ^2/NDF:6743823.4/24

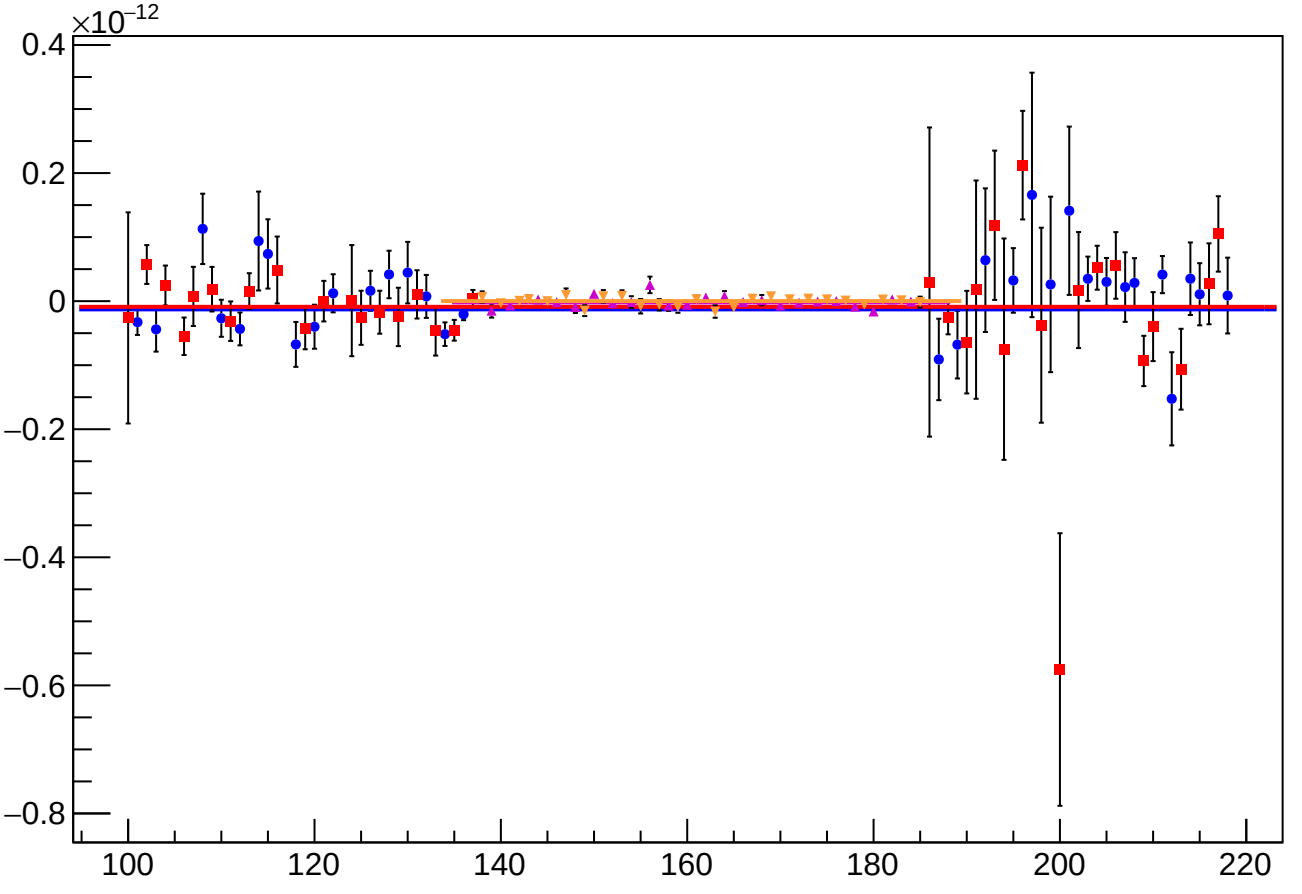
Right Out: 26.936+/-0.005 χ^2/NDF: 6013846.1/35

Left In: 13.225+/-0.003 χ^2/NDF:3870507.9/22

+ sign 15.415+/-0.002 χ^2/NDF: 17345659.4/56

All: 15.728+/-0.002 χ^2/NDF: 33177270.2/115

- sign 16.068+/-0.002 χ^2/NDF: 15789194.1/58



Right In: -0.000+/-0.000 χ^2/NDF: 46.1/31

Left Out: 0.000+/-0.000 χ^2/NDF:21.5/24

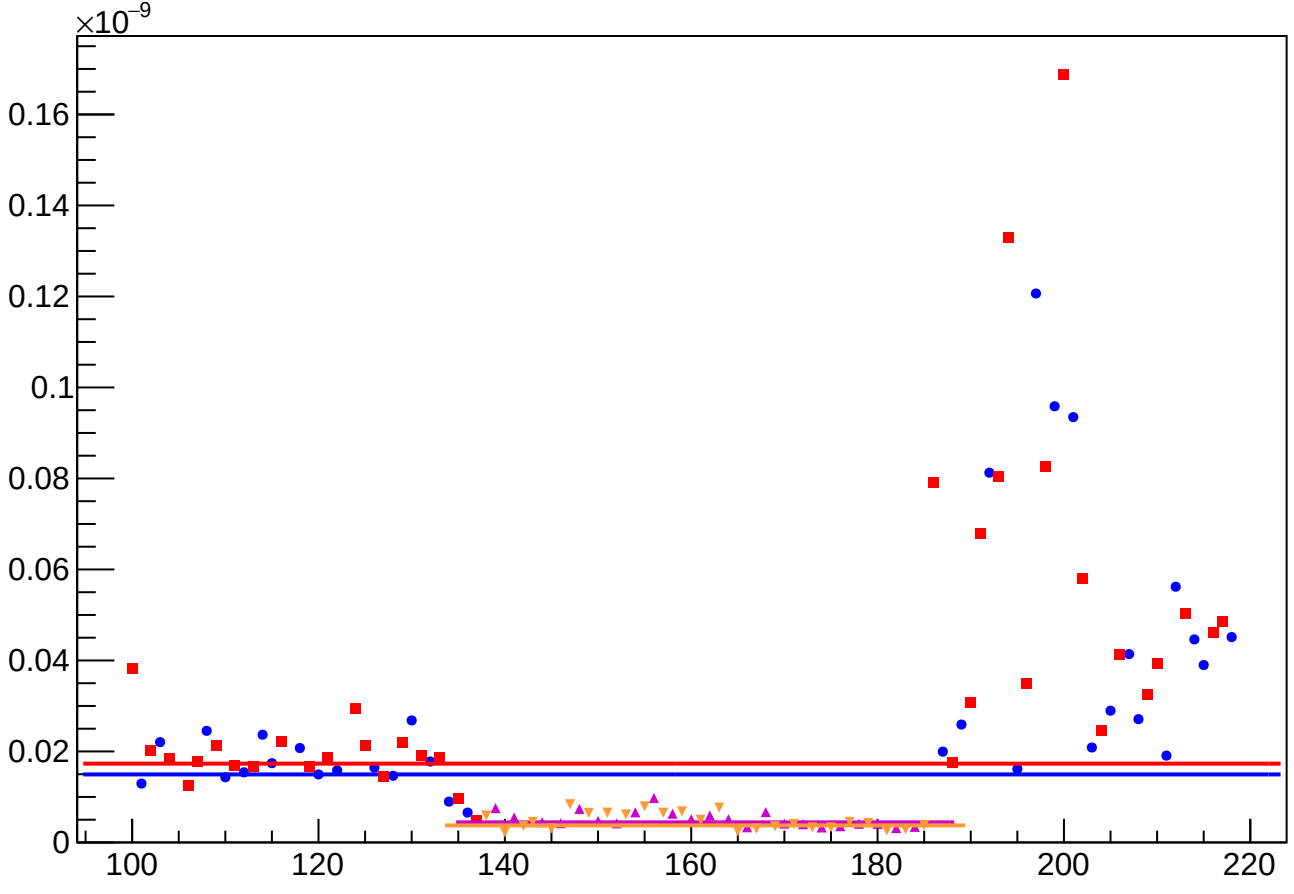
Right Out: -0.000+/-0.000 χ^2/NDF: 52.8/35

Left In: -0.000+/-0.000 χ^2/NDF:25.4/22

+ sign -0.000+/-0.000 χ^2/NDF: 73.0/56

All: -0.000+/-0.000 χ^2/NDF: 153.6/115

- sign -0.000+/-0.000 χ^2/NDF: 79.5/58



Right In: 0.000+/-0.000 χ^2/NDF: 8343596.9/31

Left Out: 0.000+/-0.000 χ^2/NDF:3083424.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8716247.9/35

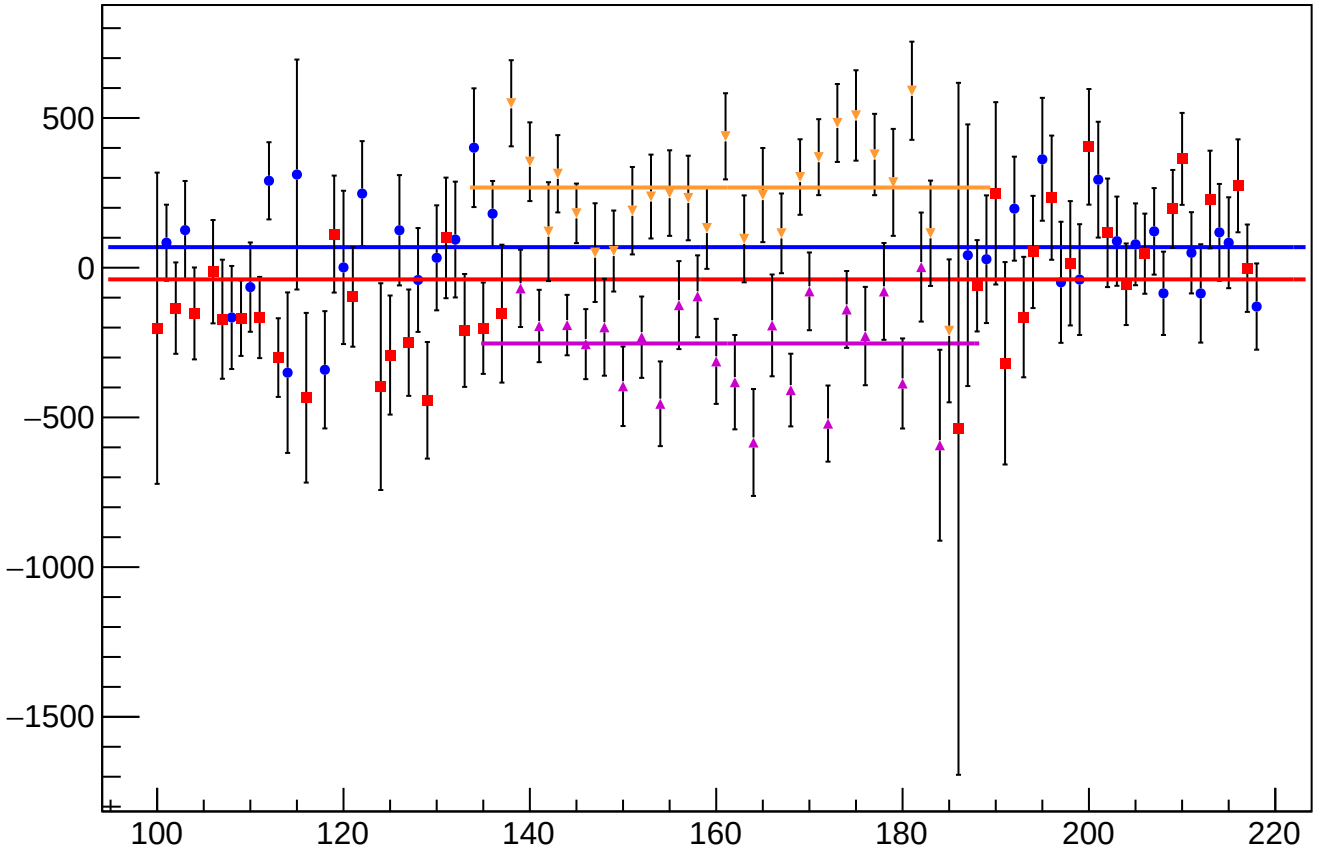
Left In: 0.000+/-0.000 χ^2/NDF:1736522.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 19516059.8/56

All: 0.000+/-0.000 χ^2/NDF: 38934734.1/115

- sign 0.000+/-0.000 χ^2/NDF: 19025036.7/58

reg_asym_sam_48_dd_mean vs Slug



Right In: 68.633+/-29.523 χ^2/NDF: 27.4/31

Left Out: 267.782+/-28.407 χ^2/NDF:31.0/24

Right Out: -38.979+/-29.337 χ^2/NDF: 48.7/35

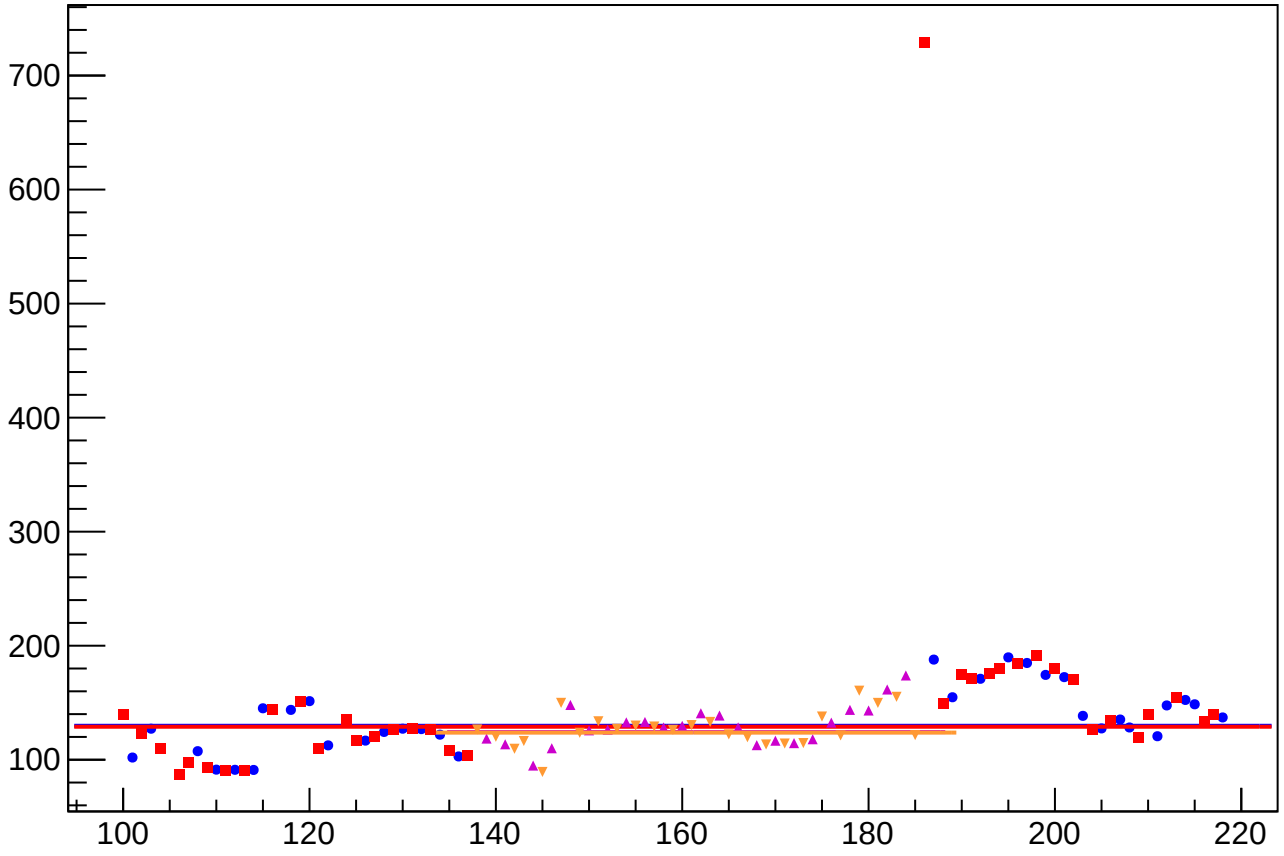
Left In: -253.048+/-29.313 χ^2/NDF:26.2/22

+ sign 172.041+/-20.470 χ^2/NDF: 82.1/56

All: 15.022+/-14.568 χ^2/NDF: 302.8/115

- sign -146.101+/-20.736 χ^2/NDF: 101.6/58

reg_asym_sam_48_dd_rms vs Slug



Right In: 129.777+/-0.021 χ^2/NDF: 1494617.5/31

Left Out: 123.807+/-0.020 χ^2/NDF:598444.2/24

Right Out: 128.943+/-0.021 χ^2/NDF: 2398426.4/35

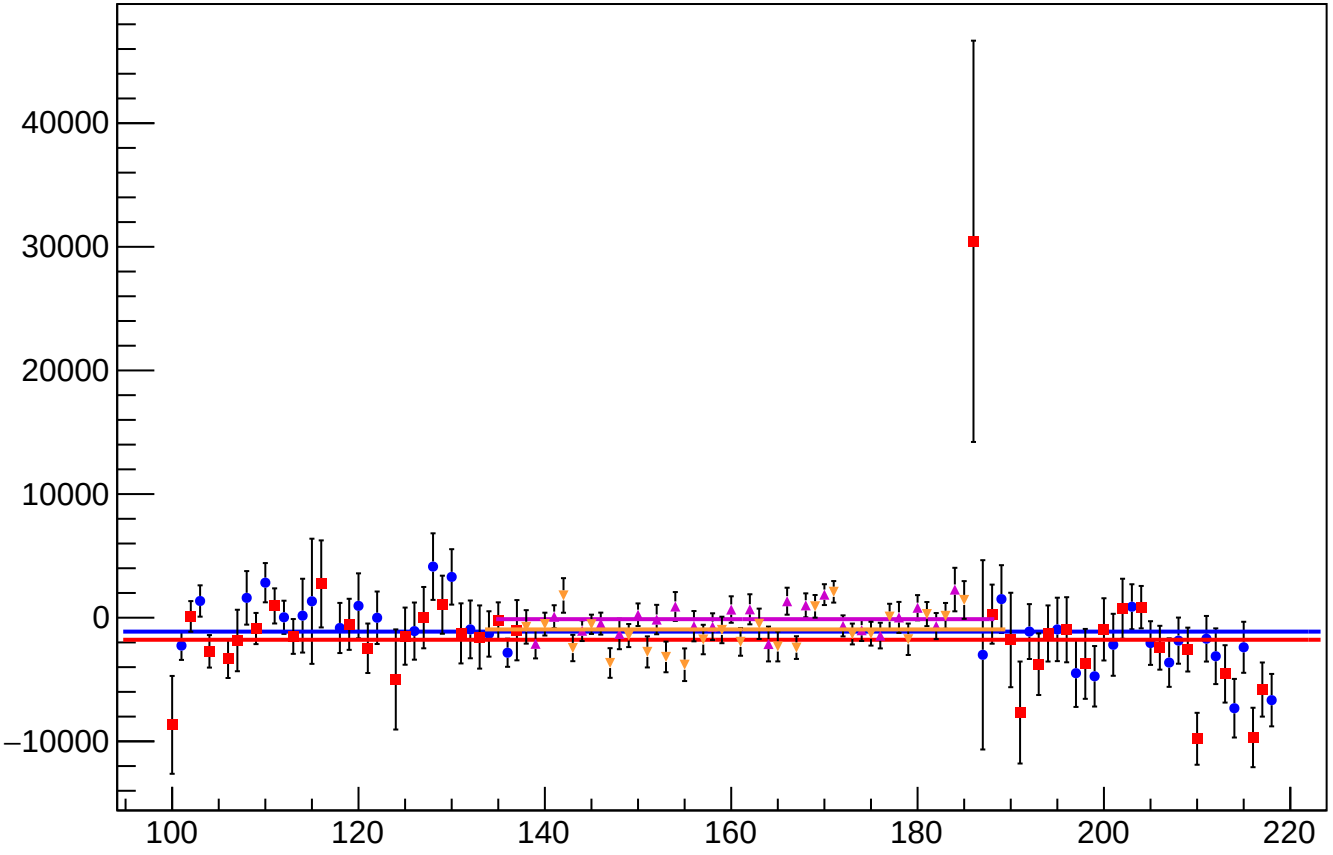
Left In: 124.259+/-0.021 χ^2/NDF:557214.9/22

+ sign 126.677+/-0.014 χ^2/NDF: 2135515.8/56

All: 126.638+/-0.010 χ^2/NDF: 5116680.5/115

- sign 126.599+/-0.015 χ^2/NDF: 2981150.3/58

asym_sam_48_dd_reg_correction_mean vs Slug



Right In: -1125.471+/-346.400 χ^2/NDF: 47.7/31

Left Out: -947.720+/-211.794 χ^2/NDF:50.3/24

Right Out: -1785.282+/-340.684 χ^2/NDF: 59.1/35

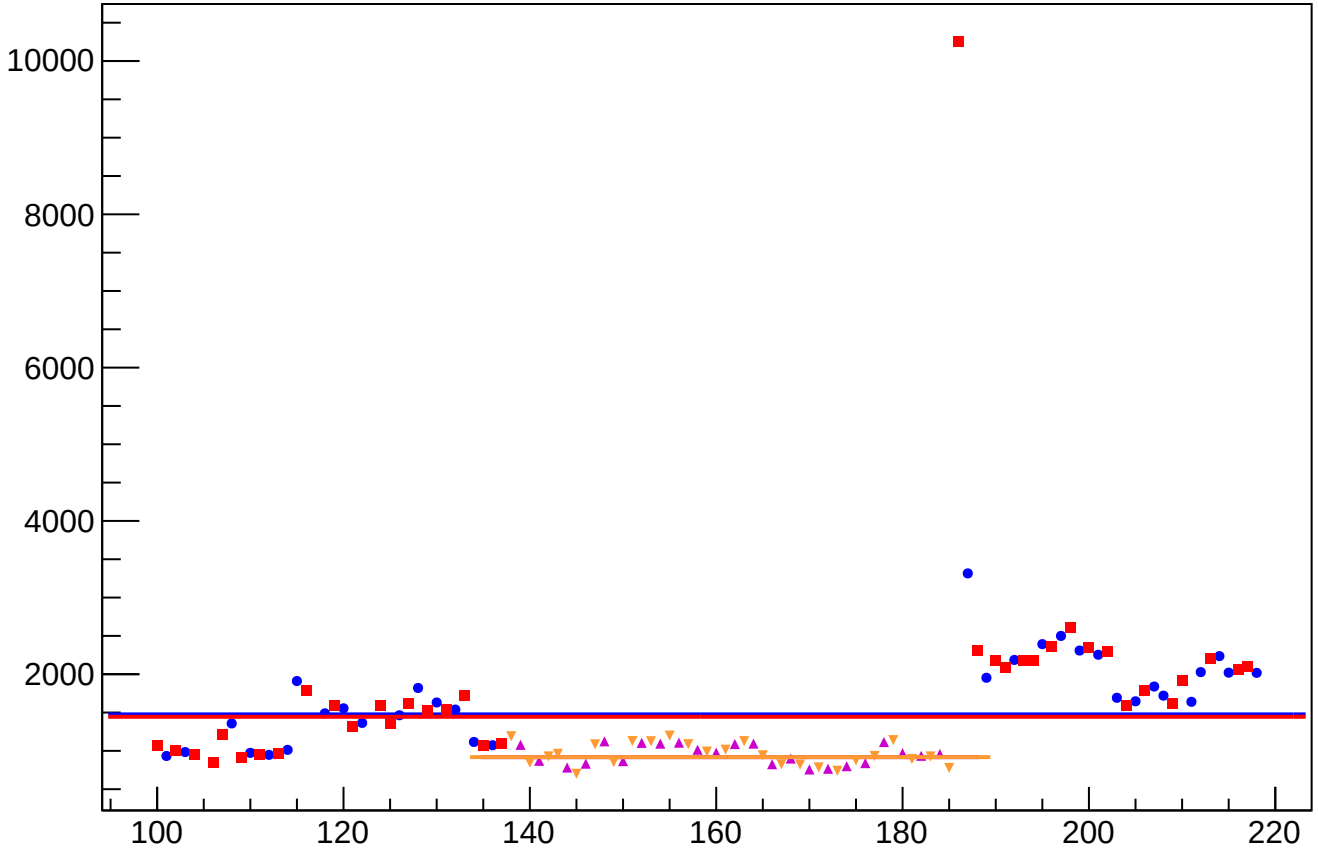
Left In: -118.433+/-217.165 χ^2/NDF:24.4/22

+ sign -996.088+/-180.695 χ^2/NDF: 98.2/56

All: -800.705+/-128.621 χ^2/NDF: 201.0/115

- sign -600.034+/-183.125 χ^2/NDF: 100.5/58

asym_sam_48_dd_reg_correction_rms vs Slug



Right In: 1475.752+/-0.245 χ^2/NDF: 3801943.2/31

Left Out: 918.501+/-0.150 χ^2/NDF:887820.0/24

Right Out: 1444.777+/-0.241 χ^2/NDF: 5125750.3/35

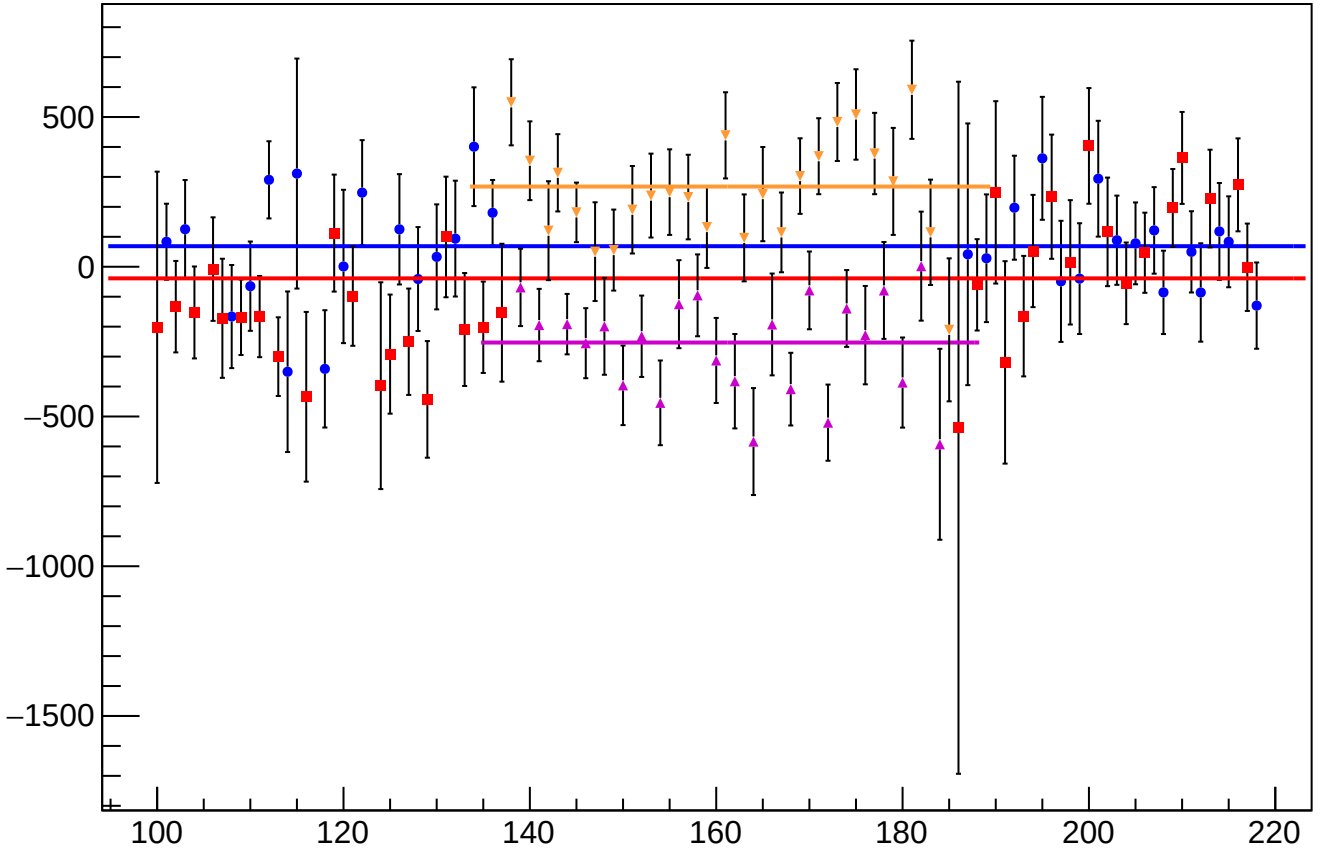
Left In: 918.214+/-0.154 χ^2/NDF:666262.3/22

+ sign 1070.133+/-0.128 χ^2/NDF: 8457177.0/56

All: 1070.241+/-0.091 χ^2/NDF: 17646540.3/1

- sign 1070.353+/-0.129 χ^2/NDF: 9189361.8/58

cor_asym_sam_48_dd_mean vs Slug



Right In: 68.628+/-29.523 χ^2/NDF: 27.4/31

Left Out: 267.791+/-28.407 χ^2/NDF:31.0/24

Right Out: -38.764+/-29.339 χ^2/NDF: 48.7/35

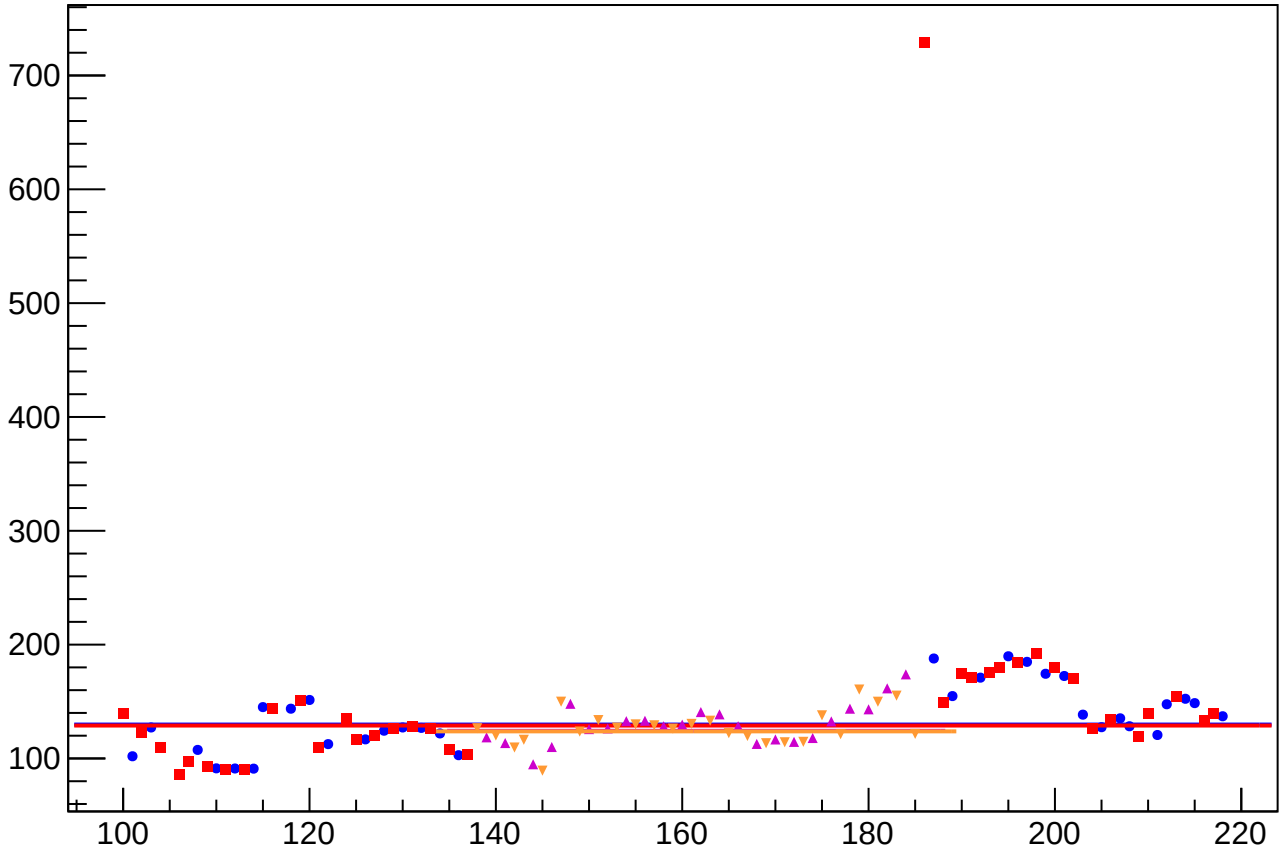
Left In: -253.051+/-29.313 χ^2/NDF:26.2/22

+ sign 172.044+/-20.470 χ^2/NDF: 82.1/56

All: 15.077+/-14.568 χ^2/NDF: 302.8/115

- sign -146.003+/-20.737 χ^2/NDF: 101.6/58

cor_asym_sam_48_dd_rms vs Slug



Right In: 129.777+/-0.021 χ^2/NDF: 1494617.3/31

Left Out: 123.807+/-0.020 χ^2/NDF:598444.2/24

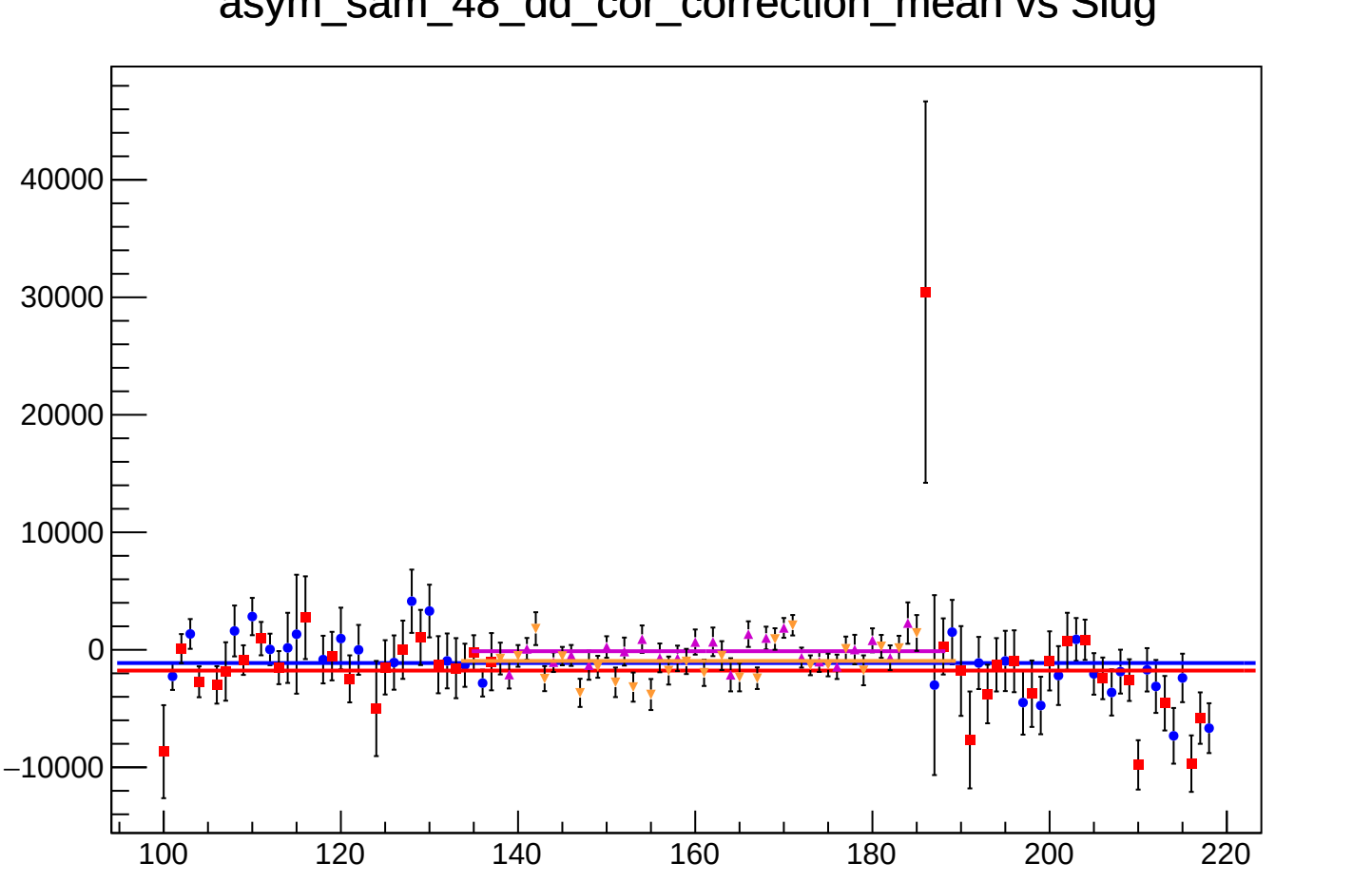
Right Out: 128.916+/-0.021 χ^2/NDF: 2404454.1/35

Left In: 124.259+/-0.021 χ^2/NDF:557214.9/22

+ sign 126.677+/-0.014 χ^2/NDF: 2135515.8/56

All: 126.632+/-0.010 χ^2/NDF: 5122424.7/115

- sign 126.585+/-0.015 χ^2/NDF: 2986889.1/58



Right In: -1125.530+/-346.401 χ^2/NDF: 47.7/31

Left Out: -947.709+/-211.794 χ^2/NDF:50.3/24

Right Out: -1766.873+/-341.067 χ^2/NDF: 58.6/35

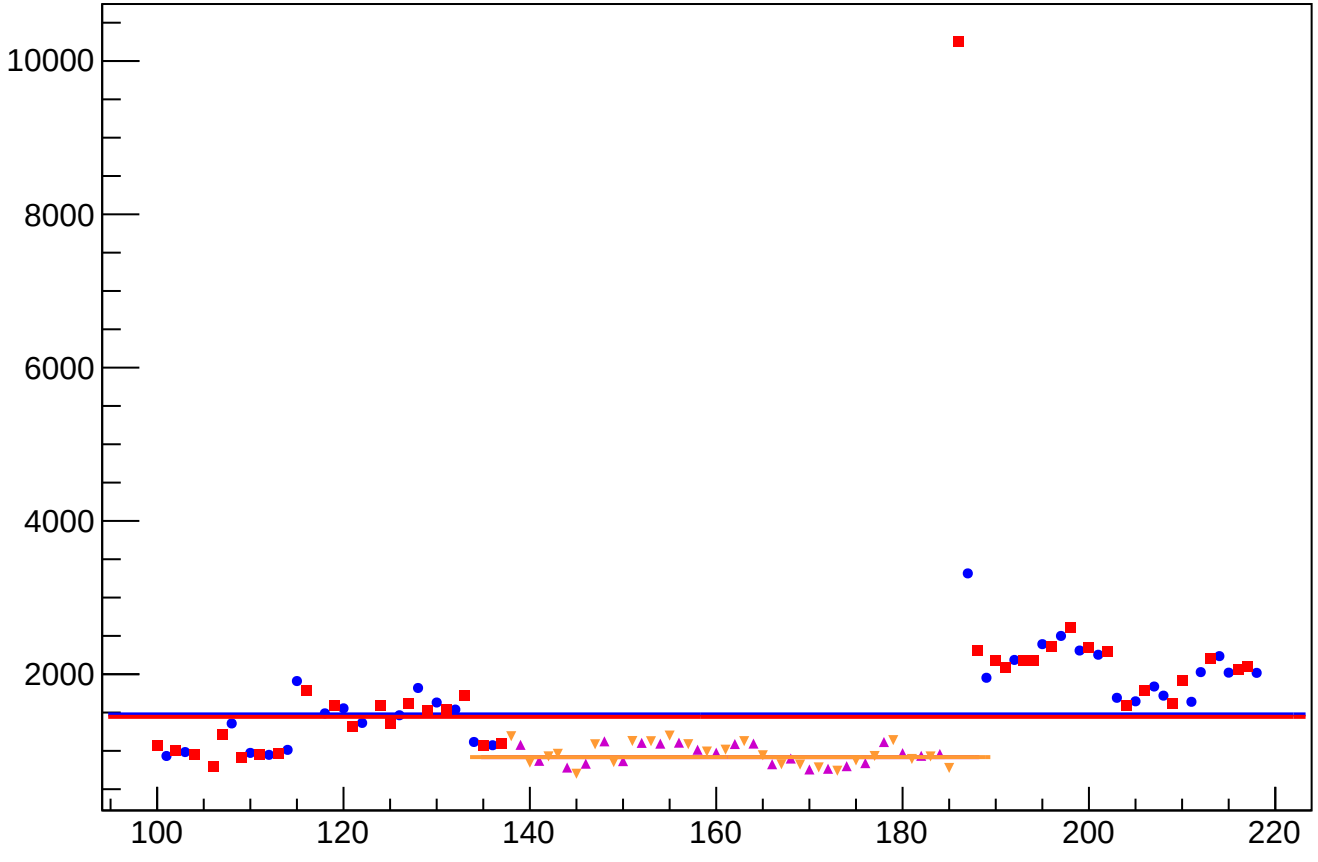
Left In: -118.435+/-217.165 χ^2/NDF:24.4/22

+ sign -996.095+/-180.696 χ^2/NDF: 98.2/56

All: -797.775+/-128.642 χ^2/NDF: 200.3/115

- sign -593.955+/-183.184 χ^2/NDF: 99.7/58

asym_sam_48_dd_cor_correction_rms vs Slug



Right In: 1475.760+/-0.245 χ^2/NDF: 3801836.9/31

Left Out: 918.501+/-0.150 χ^2/NDF:887819.5/24

Right Out: 1443.823+/-0.241 χ^2/NDF: 5161324.6/35

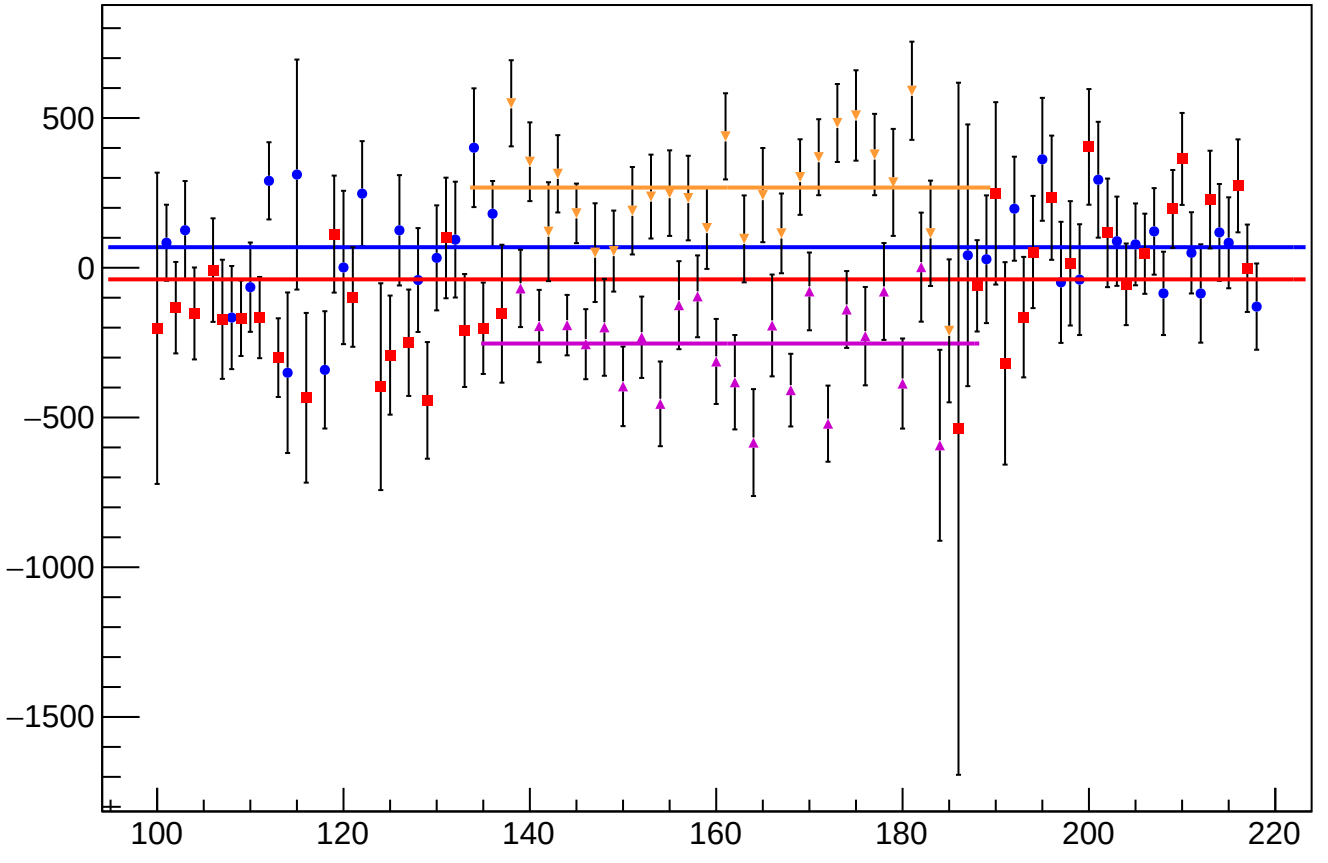
Left In: 918.214+/-0.154 χ^2/NDF:666263.4/22

\+ sign 1070.134+/-0.128 χ^2/NDF: 8457162.8/56

All: 1069.987+/-0.091 χ^2/NDF: 17664388.9/1

\- sign 1069.835+/-0.130 χ^2/NDF: 9207223.4/58

eigen_cor_asym_sam_48_dd_mean vs Slug



Right In: 68.628+/-29.523 χ^2/NDF: 27.4/31

Left Out: 267.791+/-28.407 χ^2/NDF:31.0/24

Right Out: -38.764+/-29.339 χ^2/NDF: 48.7/35

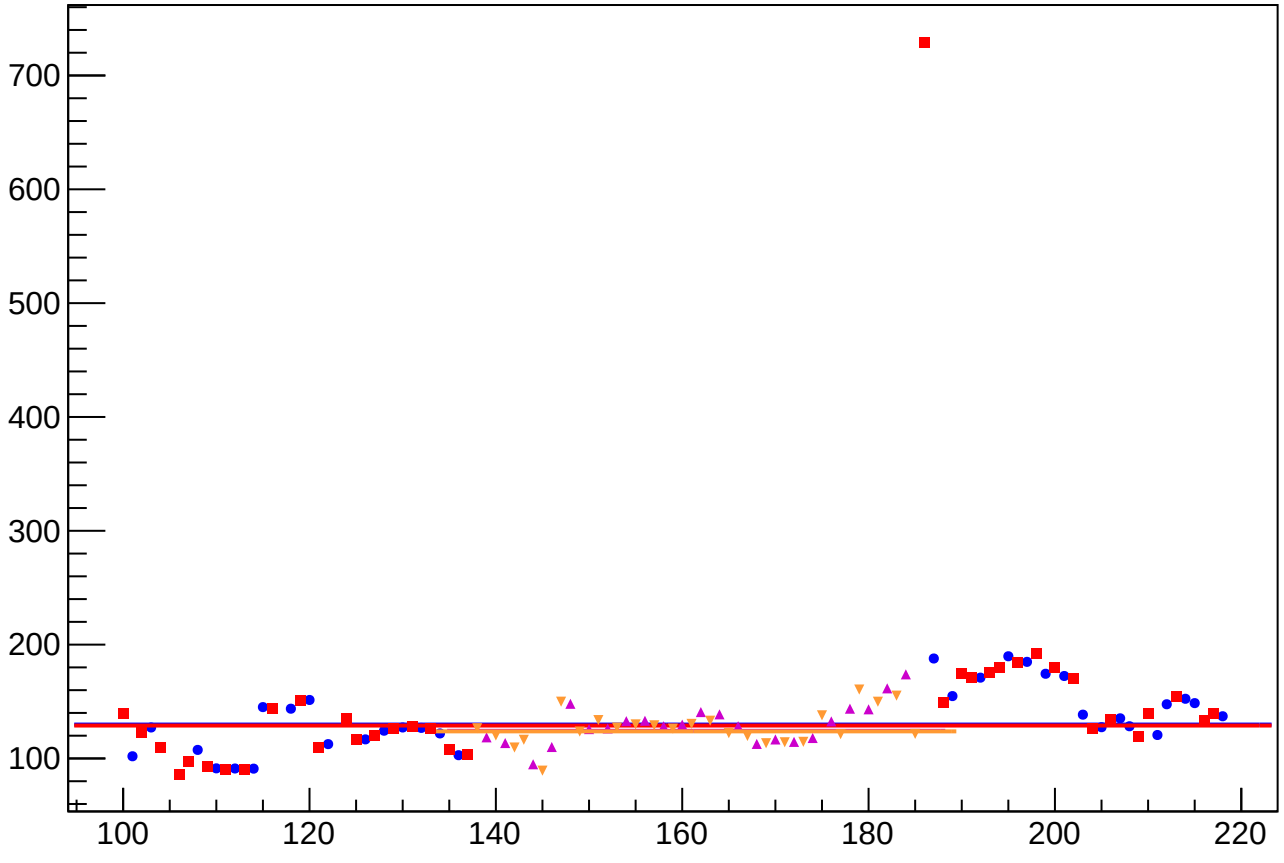
Left In: -253.051+/-29.313 χ^2/NDF:26.2/22

+ sign 172.044+/-20.470 χ^2/NDF: 82.1/56

All: 15.077+/-14.568 χ^2/NDF: 302.8/115

- sign -146.003+/-20.737 χ^2/NDF: 101.6/58

eigen_cor_asym_sam_48_dd_rms vs Slug



Right In: 129.777+/-0.021 χ^2/NDF: 1494617.3/31

Left Out: 123.807+/-0.020 χ^2/NDF:598444.2/24

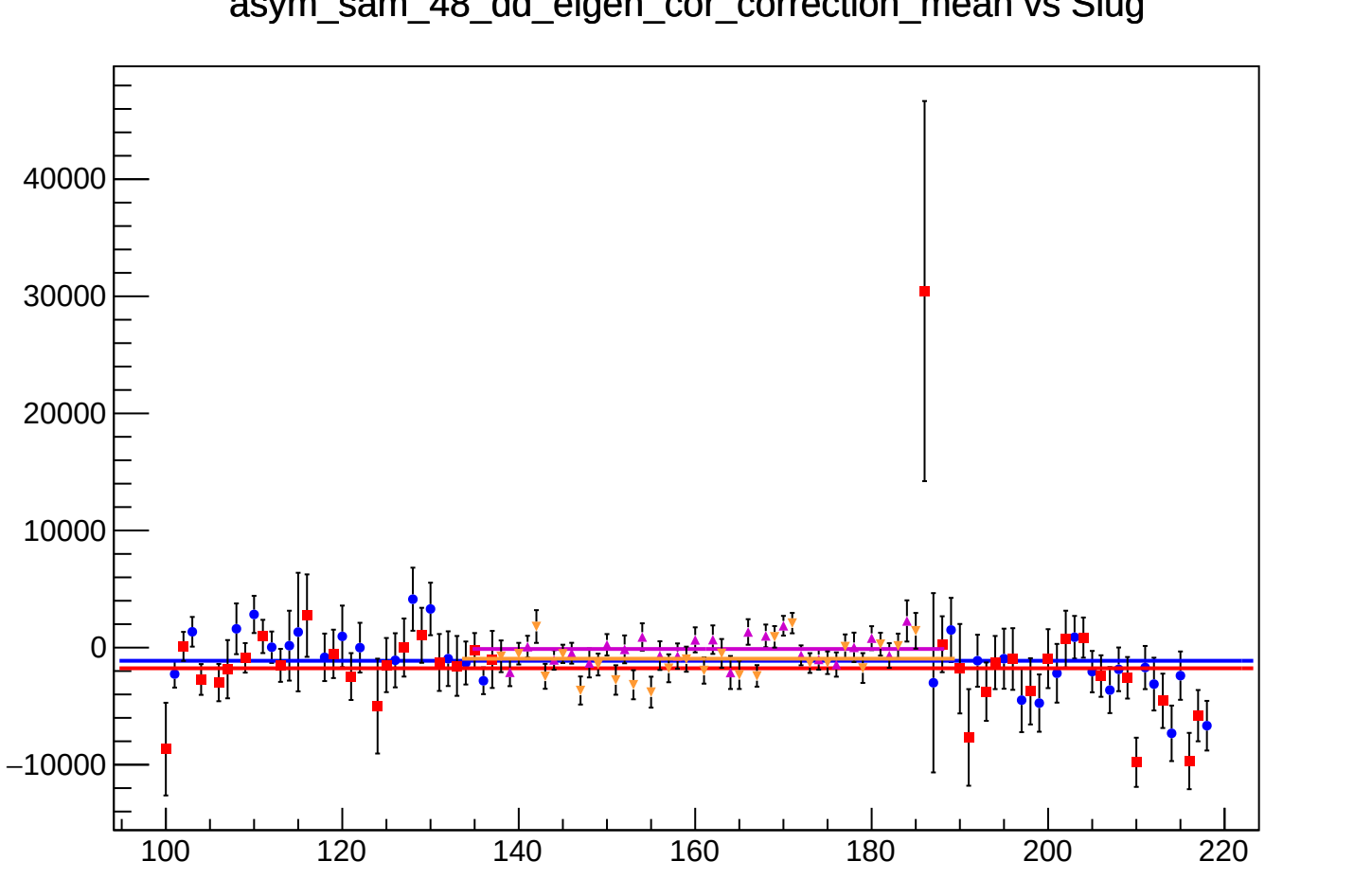
Right Out: 128.916+/-0.021 χ^2/NDF: 2404454.1/35

Left In: 124.259+/-0.021 χ^2/NDF:557214.9/22

+ sign 126.677+/-0.014 χ^2/NDF: 2135515.8/56

All: 126.632+/-0.010 χ^2/NDF: 5122424.7/115

- sign 126.585+/-0.015 χ^2/NDF: 2986889.1/58



Right In: -1125.530+/-346.401 χ^2/NDF: 47.7/31

Left Out: -947.709+/-211.794 χ^2/NDF:50.3/24

Right Out: -1766.873+/-341.067 χ^2/NDF: 58.6/35

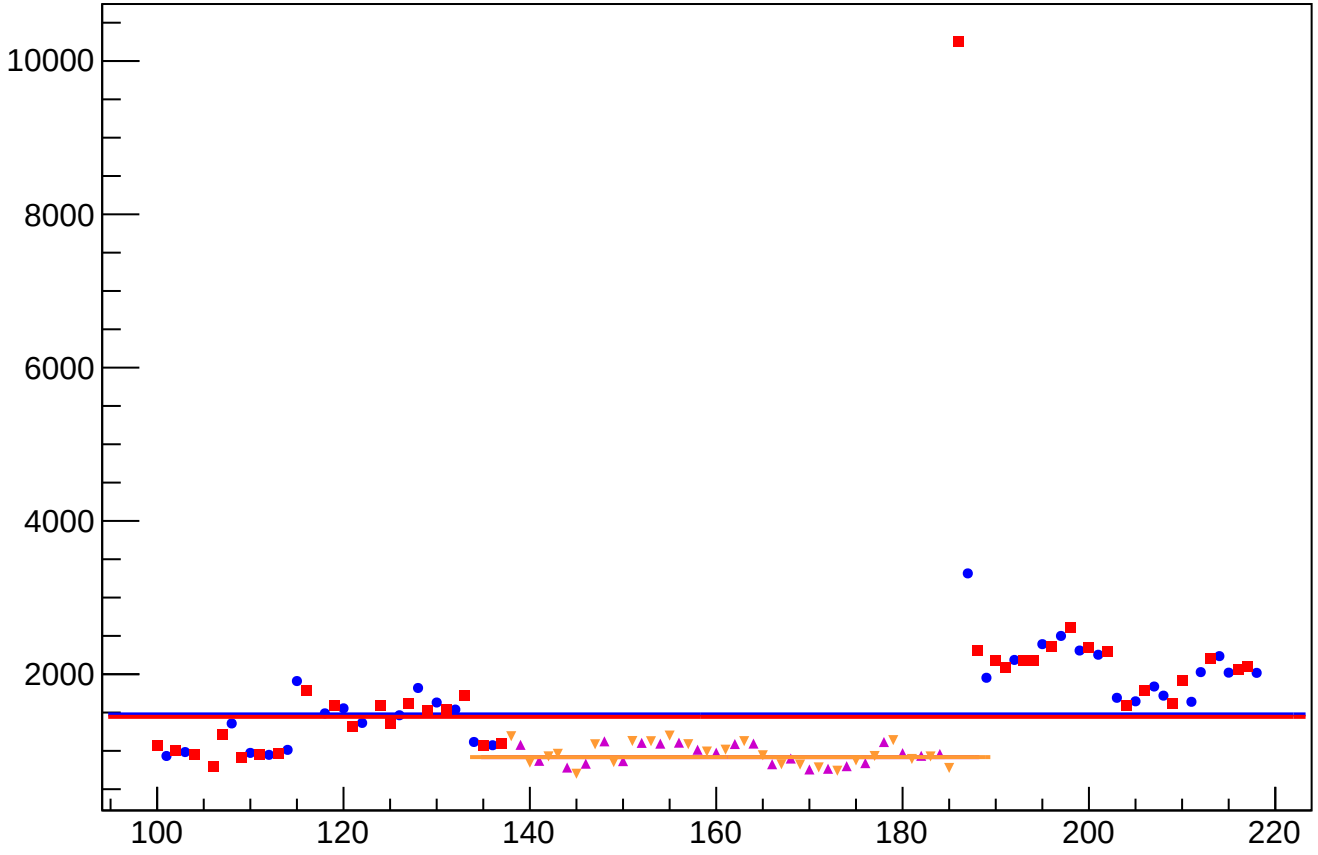
Left In: -118.435+/-217.165 χ^2/NDF:24.4/22

+ sign -996.095+/-180.696 χ^2/NDF: 98.2/56

All: -797.775+/-128.642 χ^2/NDF: 200.3/115

- sign -593.955+/-183.184 χ^2/NDF: 99.7/58

asym_sam_48_dd_eigen_cor_correction_rms vs Slug



Right In: 1475.760+/-0.245 χ^2/NDF: 3801836.9/31

Left Out: 918.501+/-0.150 χ^2/NDF:887819.5/24

Right Out: 1443.823+/-0.241 χ^2/NDF: 5161324.6/35

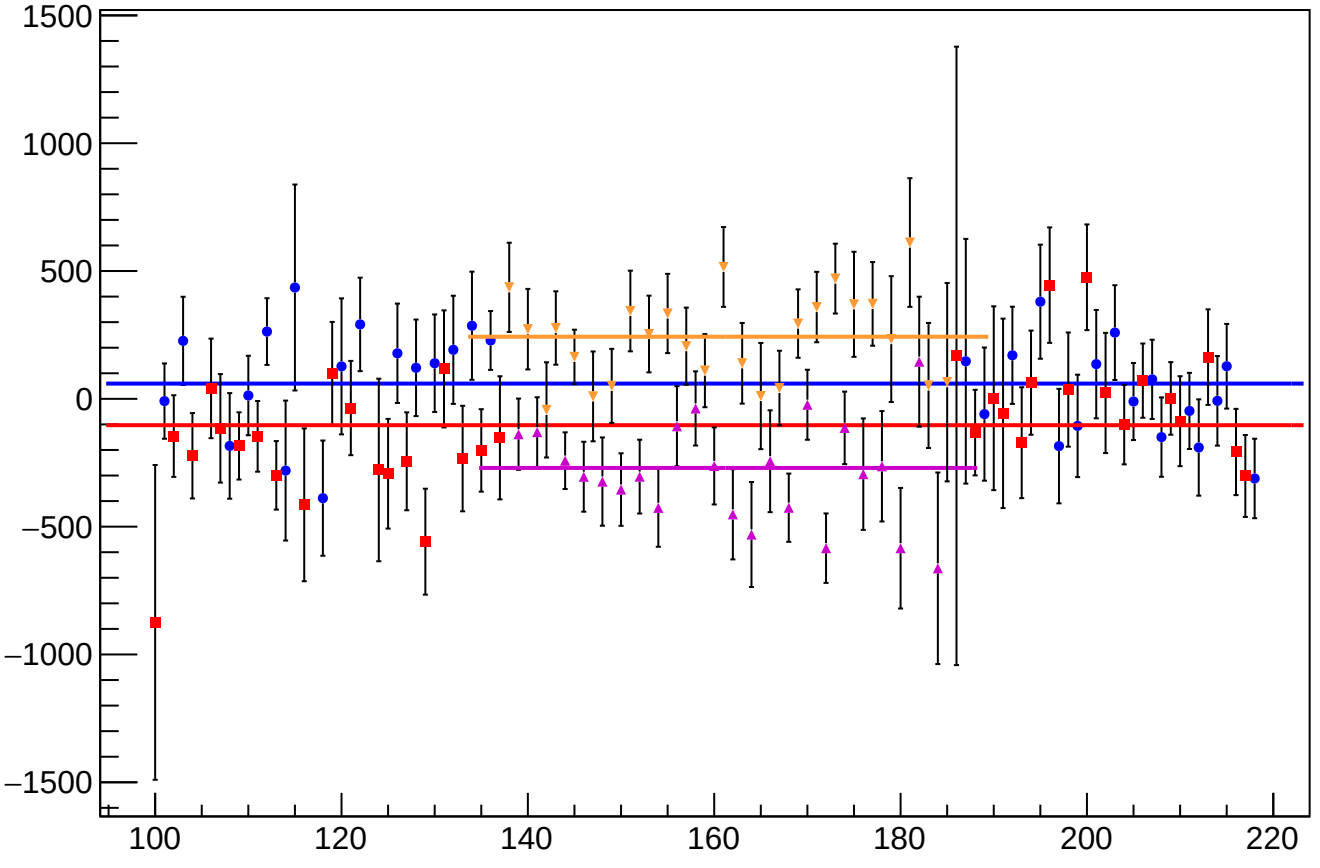
Left In: 918.214+/-0.154 χ^2/NDF:666263.4/22

\+ sign 1070.134+/-0.128 χ^2/NDF: 8457162.8/56

All: 1069.987+/-0.091 χ^2/NDF: 17664388.9/1

\- sign 1069.835+/-0.130 χ^2/NDF: 9207223.4/58

dit_asym_sam_48_dd_mean vs Slug



Right In: 59.634+/-32.233 χ^2/NDF: 33.6/31

Left Out: 242.890+/-32.138 χ^2/NDF:23.7/24

Right Out: -103.125+/-31.840 χ^2/NDF: 37.0/35

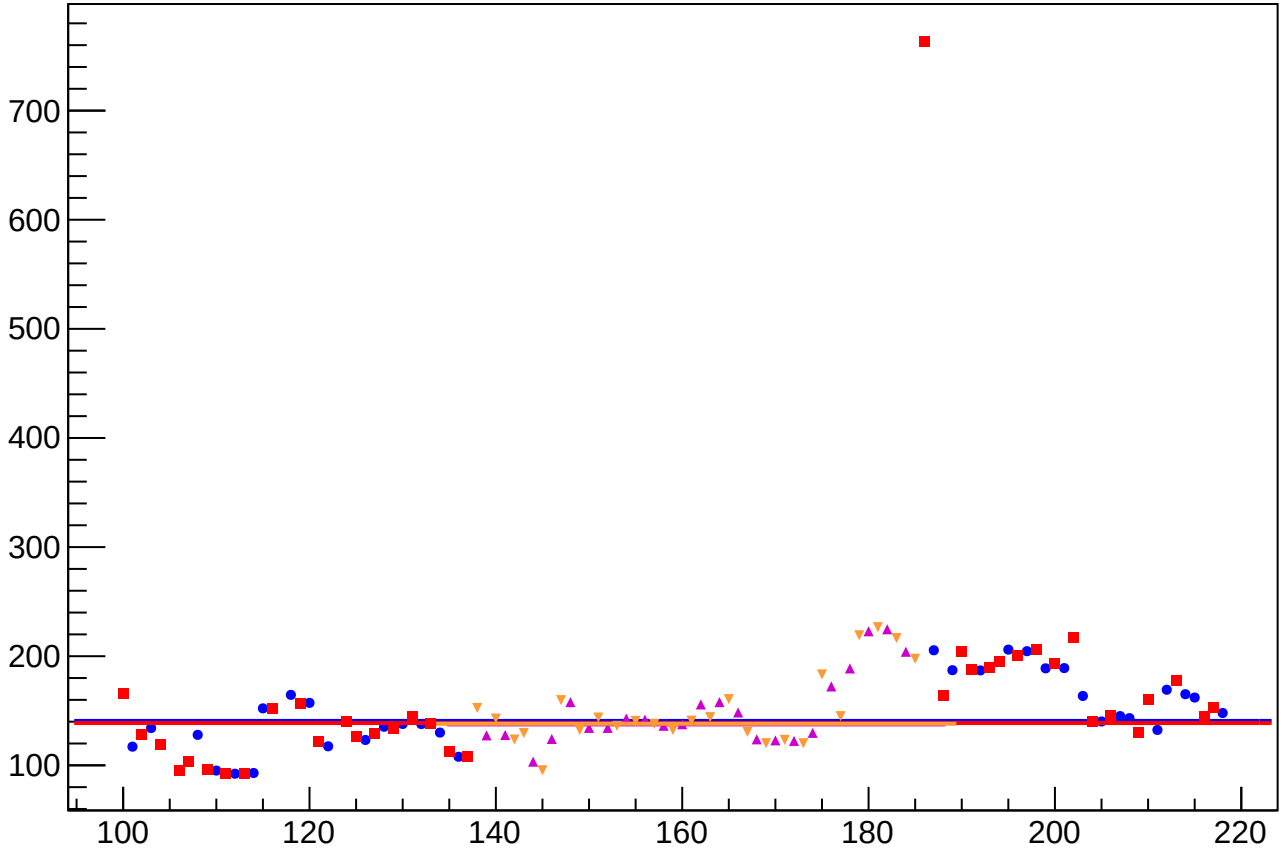
Left In: -270.243+/-32.893 χ^2/NDF:26.7/22

+ sign 151.530+/-22.759 χ^2/NDF: 73.5/56

All: -15.343+/-16.135 χ^2/NDF: 258.5/115

- sign -183.965+/-22.877 χ^2/NDF: 77.0/58

dit_asym_sam_48_dd_rms vs Slug



Right In: 140.696+/-0.023 χ^2/NDF: 1754756.5/31

Left Out: 138.127+/-0.023 χ^2/NDF:1338308.5/24

Right Out: 138.734+/-0.023 χ^2/NDF: 2781208.7/35

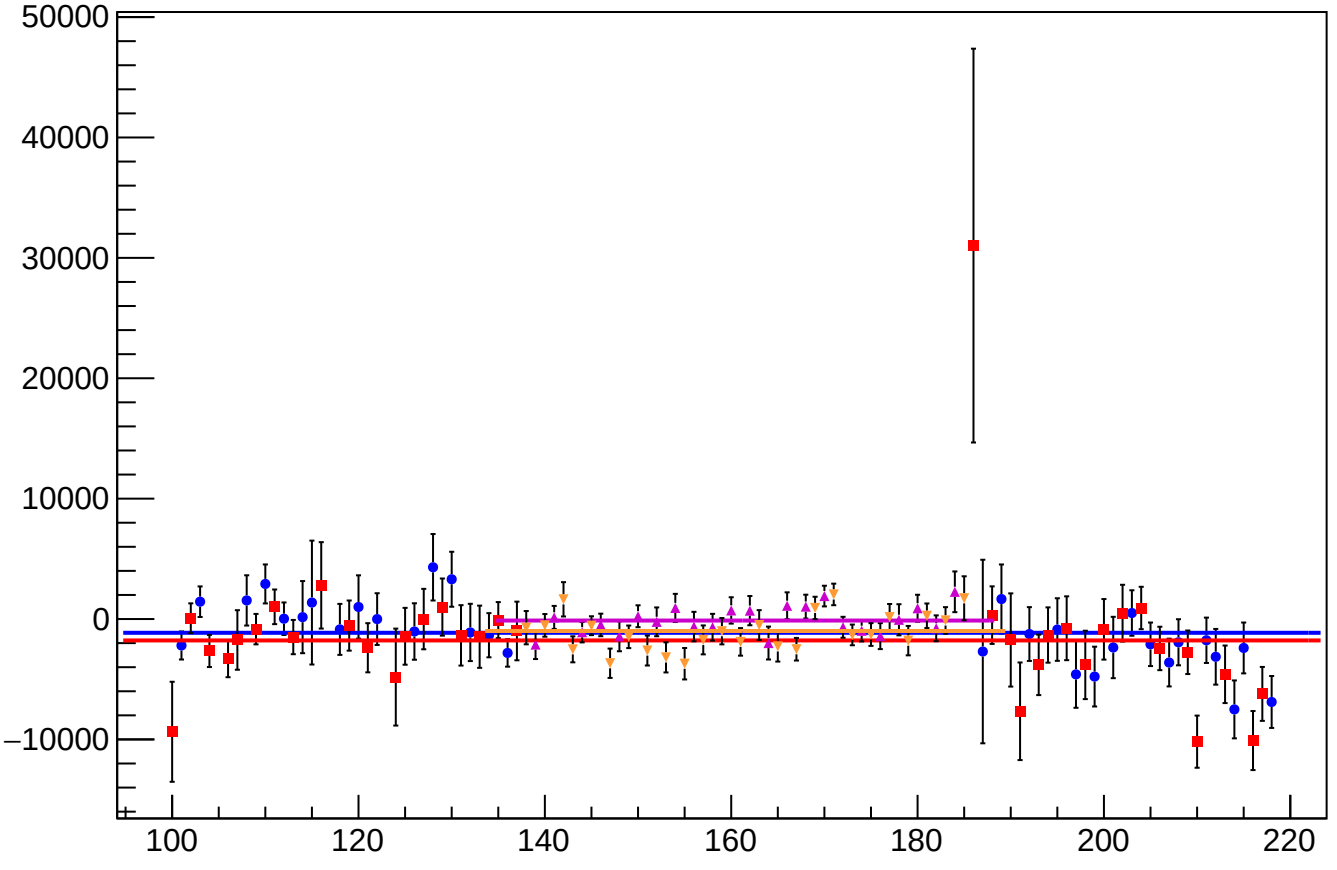
Left In: 137.491+/-0.023 χ^2/NDF:1109333.5/22

+ sign 139.408+/-0.016 χ^2/NDF: 3099432.9/56

All: 138.773+/-0.011 χ^2/NDF: 6994570.7/115

- sign 138.133+/-0.016 χ^2/NDF: 3892015.1/58

asym_sam_48_dd_dit_correction_mean vs Slug



Right In: -1142.548+/-350.839 χ^2/NDF: 47.9/31

Left Out: -993.237+/-215.652 χ^2/NDF:46.9/24

Right Out: -1777.330+/-343.800 χ^2/NDF: 61.2/35

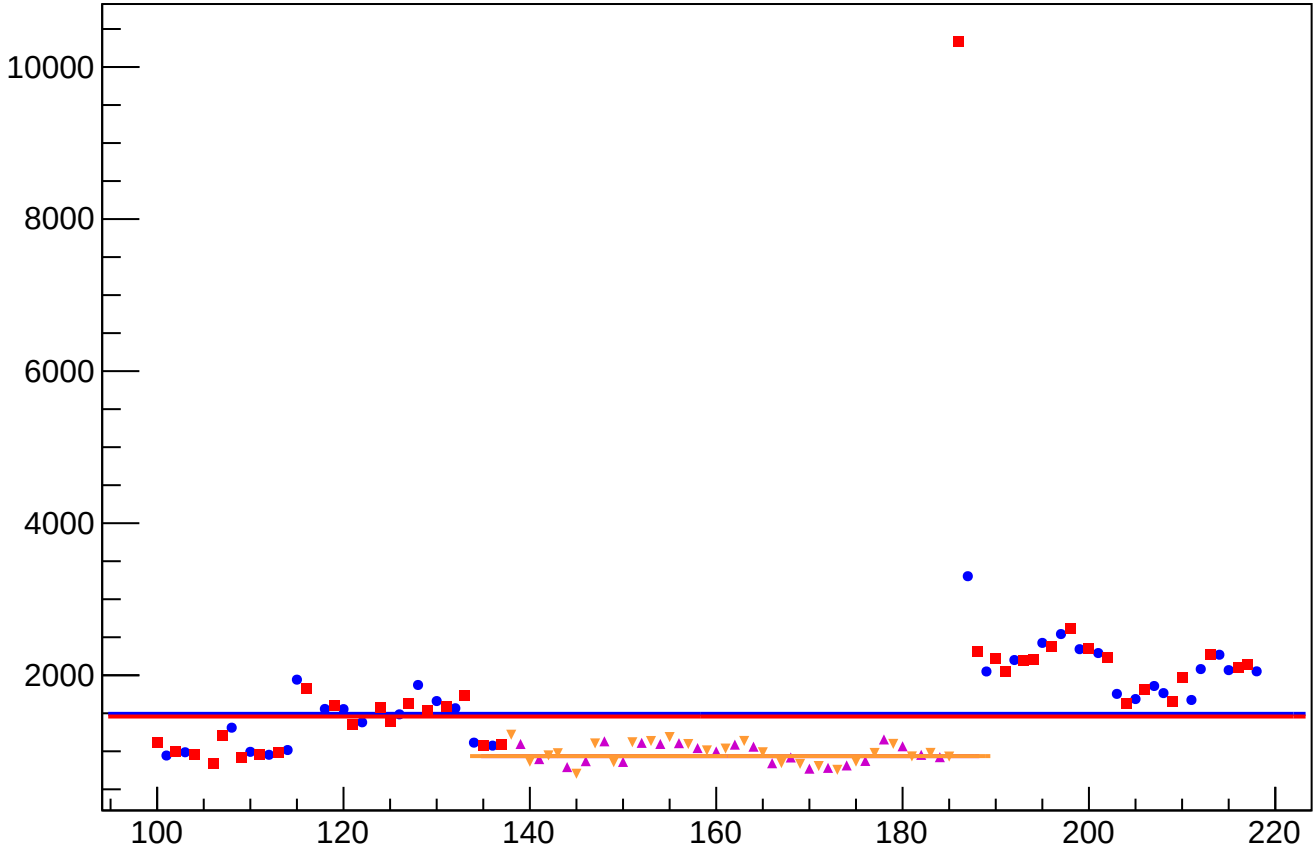
Left In: -124.857+/-221.367 χ^2/NDF:23.9/22

+ sign -1034.181+/-183.720 χ^2/NDF: 94.9/56

All: -824.431+/-130.751 χ^2/NDF: 199.0/115

- sign -609.162+/-186.122 χ^2/NDF: 101.4/58

asym_sam_48_dd_dit_correction_rms vs Slug



Right In: 1492.546+/-0.248 χ^2/NDF: 3936277.7/31

Left Out: 936.743+/-0.152 χ^2/NDF:832449.3/24

Right Out: 1457.315+/-0.243 χ^2/NDF: 5186095.0/35

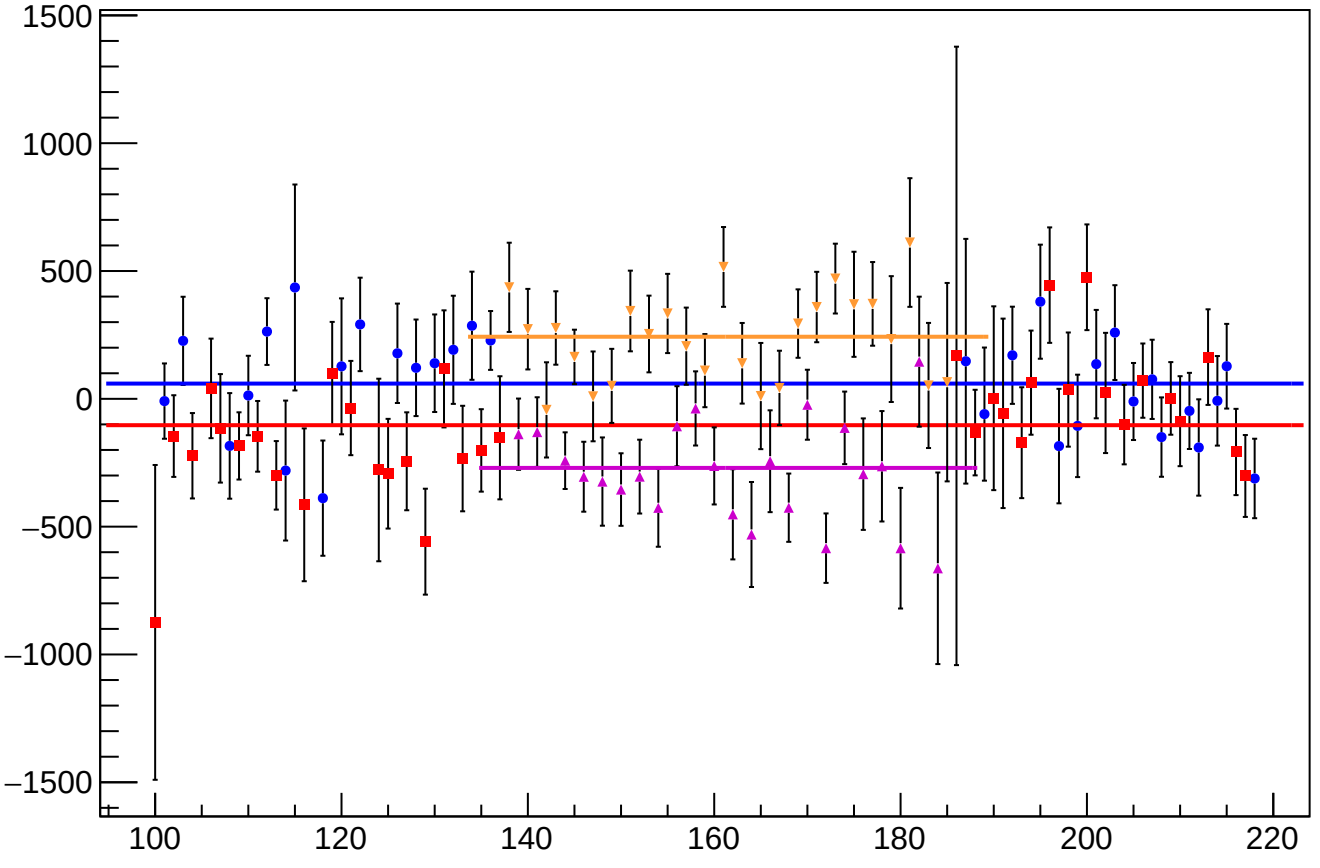
Left In: 936.380+/-0.157 χ^2/NDF:642749.3/22

+ sign 1089.155+/-0.130 χ^2/NDF: 8411740.3/56

All: 1089.106+/-0.092 χ^2/NDF: 17486641.4/1

- sign 1089.055+/-0.132 χ^2/NDF: 9074900.8/58

eigen_dit_asym_sam_48_dd_mean vs Slug



Right In: 59.637+/-32.233 χ^2/NDF: 33.6/31

Left Out: 242.892+/-32.138 χ^2/NDF:23.7/24

Right Out: -103.123+/-31.840 χ^2/NDF: 37.0/35

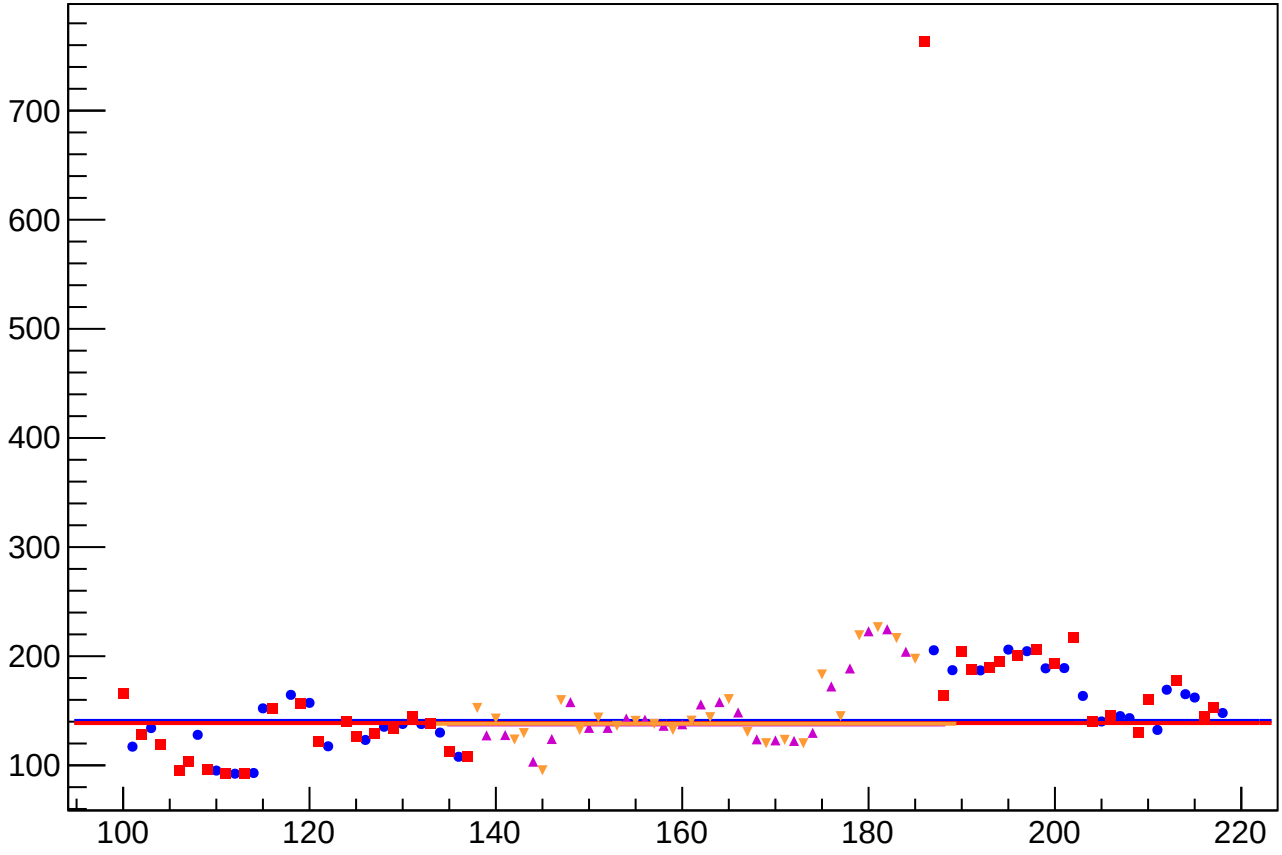
Left In: -270.244+/-32.893 χ^2/NDF:26.7/22

+ sign 151.532+/-22.759 χ^2/NDF: 73.5/56

All: -15.342+/-16.135 χ^2/NDF: 258.5/115

- sign -183.965+/-22.877 χ^2/NDF: 77.0/58

eigen_dit_asym_sam_48_dd_rms vs Slug



Right In: 140.696+/-0.023 χ^2/NDF: 1754738.3/31

Left Out: 138.127+/-0.023 χ^2/NDF:1338311.7/24

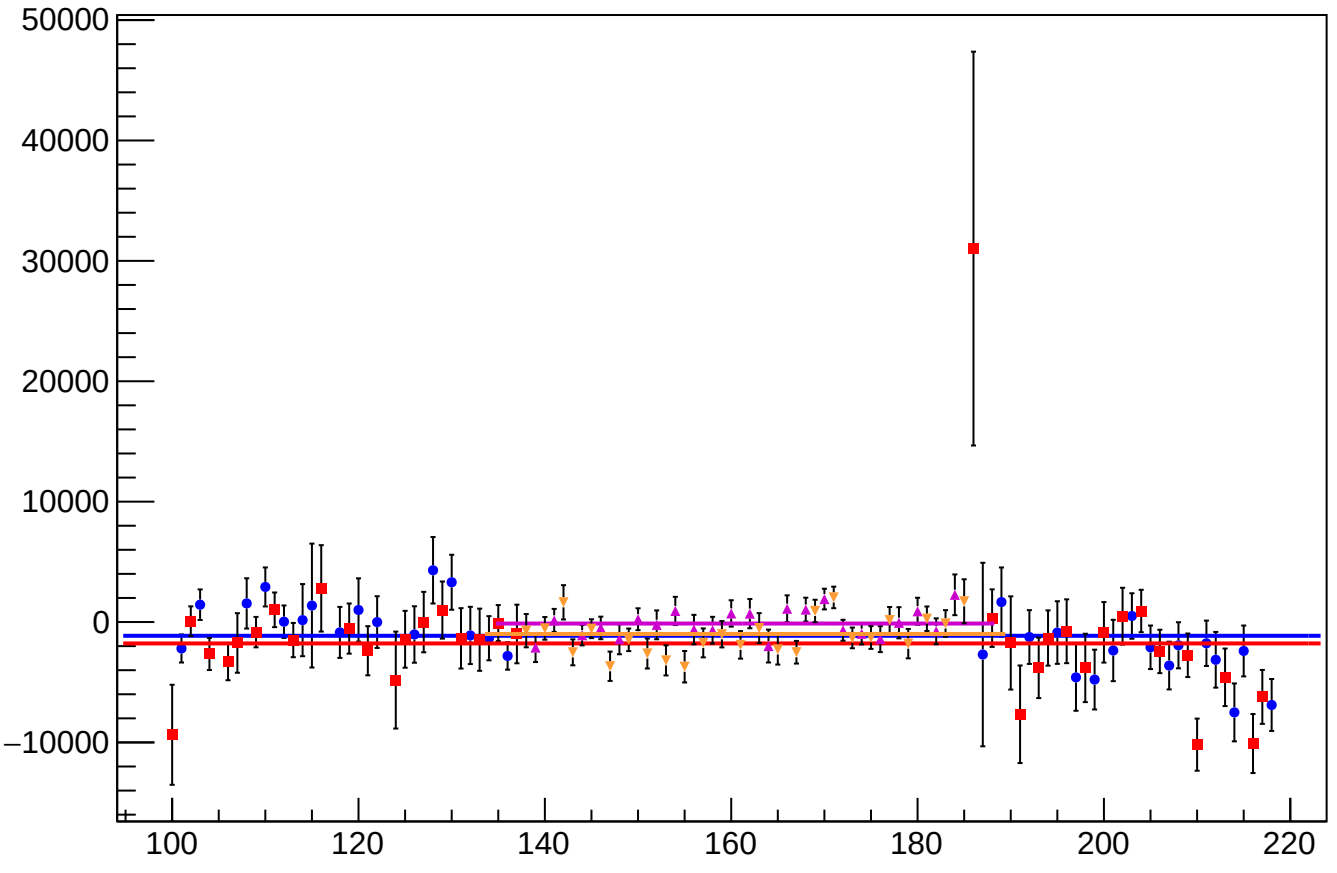
Right Out: 138.734+/-0.023 χ^2/NDF: 2781212.7/35

Left In: 137.491+/-0.023 χ^2/NDF:1109319.8/22

+ sign 139.408+/-0.016 χ^2/NDF: 3099417.6/56

All: 138.773+/-0.011 χ^2/NDF: 6994545.5/115

- sign 138.133+/-0.016 χ^2/NDF: 3892005.3/58



Right In: -1142.548+/-350.839 χ^2/NDF: 47.9/31

Left Out: -993.235+/-215.652 χ^2/NDF:46.9/24

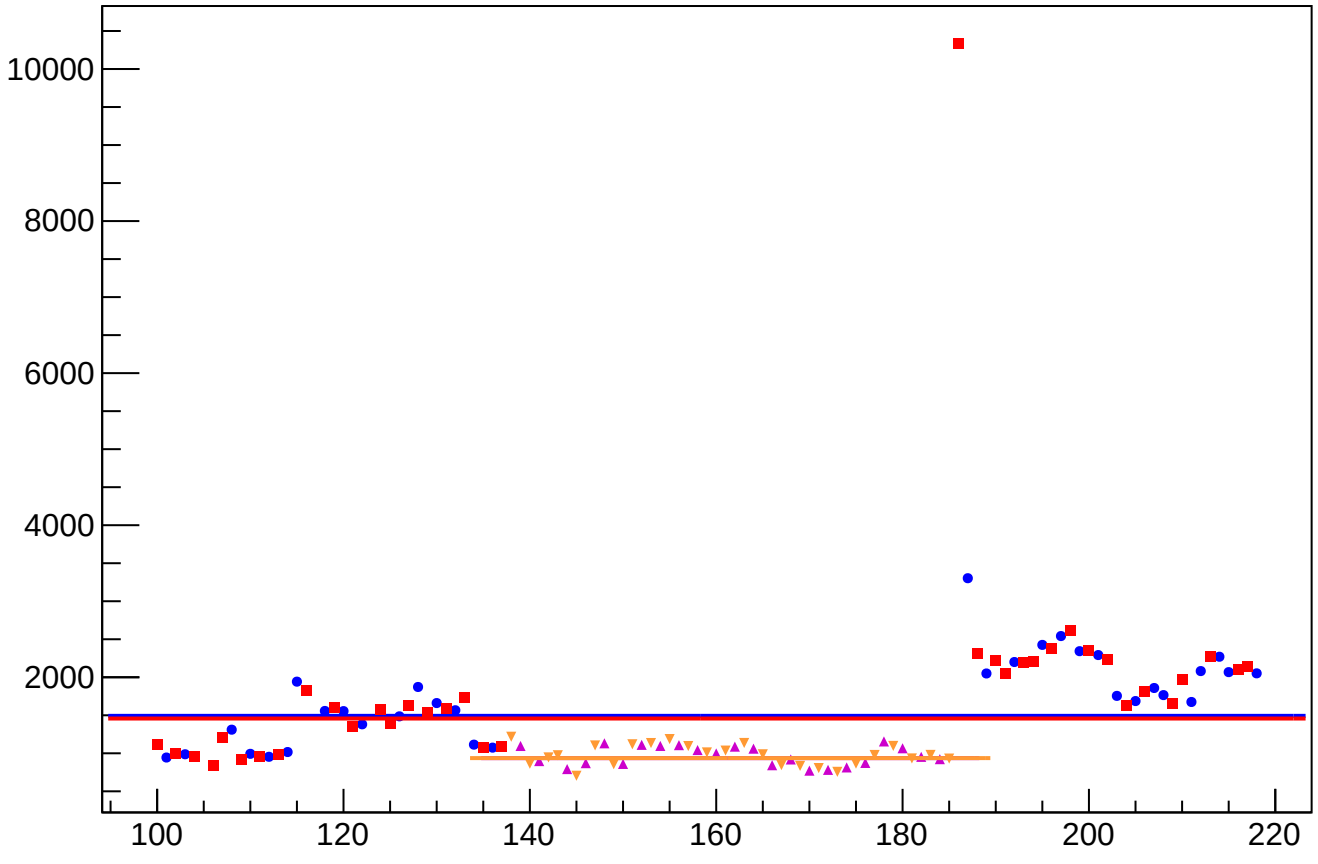
Right Out: -1777.328+/-343.800 χ^2/NDF: 61.2/35

Left In: -124.856+/-221.366 χ^2/NDF:23.9/22

+ sign -1034.179+/-183.720 χ^2/NDF: 94.9/56

All: -824.430+/-130.751 χ^2/NDF: 199.0/115

- sign -609.160+/-186.122 χ^2/NDF: 101.4/58



Right In: 1492.545+/-0.248 χ^2/NDF: 3936269.6/31

Left Out: 936.742+/-0.152 χ^2/NDF:832452.0/24

Right Out: 1457.314+/-0.243 χ^2/NDF: 5186087.6/35

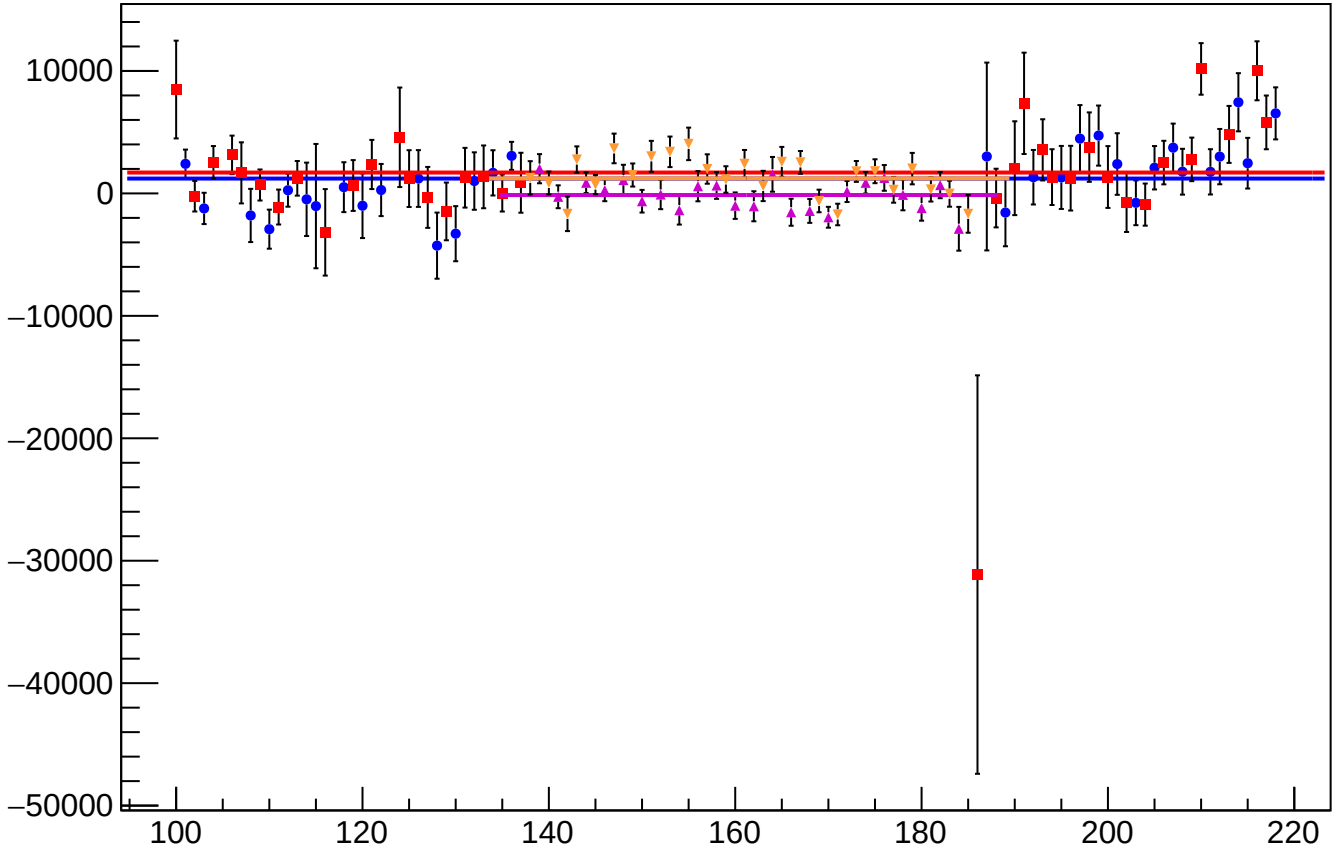
Left In: 936.379+/-0.157 χ^2/NDF:642748.0/22

+ sign 1089.154+/-0.130 χ^2/NDF: 8411748.3/56

All: 1089.105+/-0.092 χ^2/NDF: 17486649.6/1

- sign 1089.054+/-0.132 χ^2/NDF: 9074901.0/58

asym_sam_48_dd_mean vs Slug



Right In: 1212.067+/-347.923 χ^2/NDF: 48.4/31

Left Out: 1225.521+/-213.843 χ^2/NDF:48.5/24

Right Out: 1703.886+/-342.261 χ^2/NDF: 62.9/35

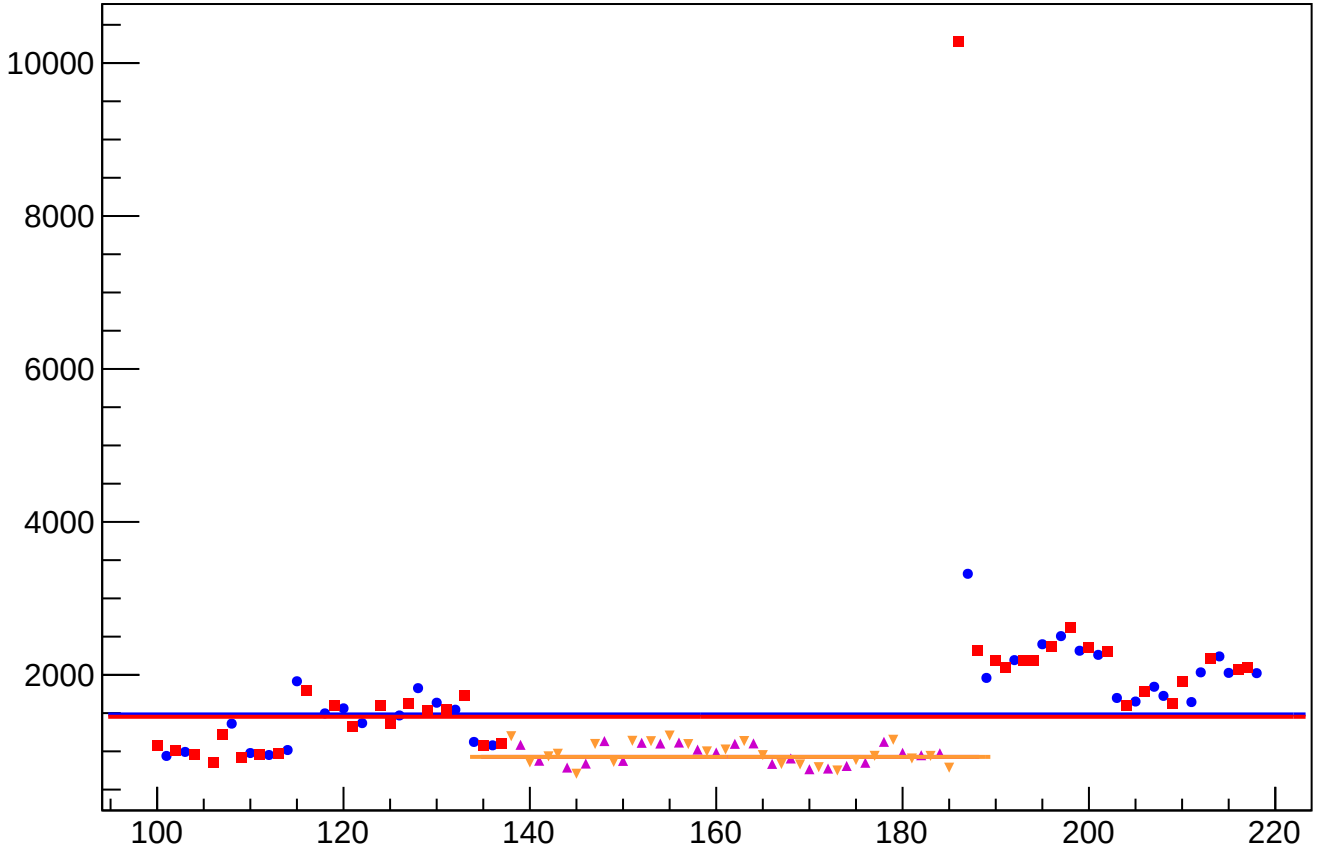
Left In: -132.834+/-219.278 χ^2/NDF:25.8/22

+ sign 1221.832+/-182.183 χ^2/NDF: 96.9/56

All: 817.237+/-129.681 χ^2/NDF: 216.1/115

- sign 401.677+/-184.635 χ^2/NDF: 109.2/58

asym_sam_48_dd_rms vs Slug



Right In: 1482.892+/-0.246 χ^2/NDF: 3770432.5/31

Left Out: 927.610+/-0.151 χ^2/NDF:875127.3/24

Right Out: 1452.037+/-0.242 χ^2/NDF: 5091162.5/35

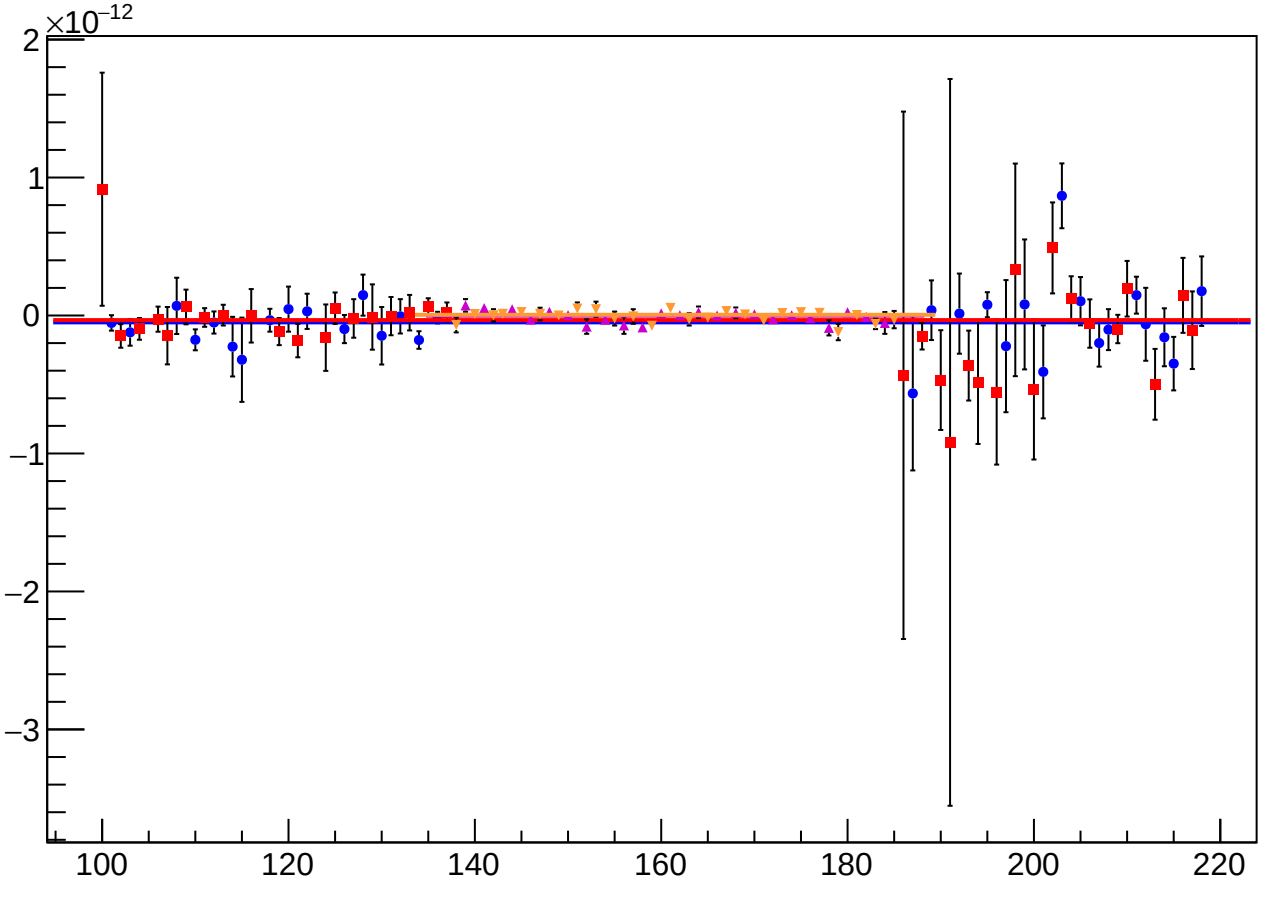
Left In: 927.321+/-0.155 χ^2/NDF:656539.8/22

+ sign 1079.861+/-0.129 χ^2/NDF: 8343121.5/56

All: 1079.940+/-0.092 χ^2/NDF: 17423562.5/1

- sign 1080.020+/-0.131 χ^2/NDF: 9080440.2/58

asym_sam_48_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 39.8/31

Left Out: 0.000+/-0.000 χ^2/NDF:25.4/24

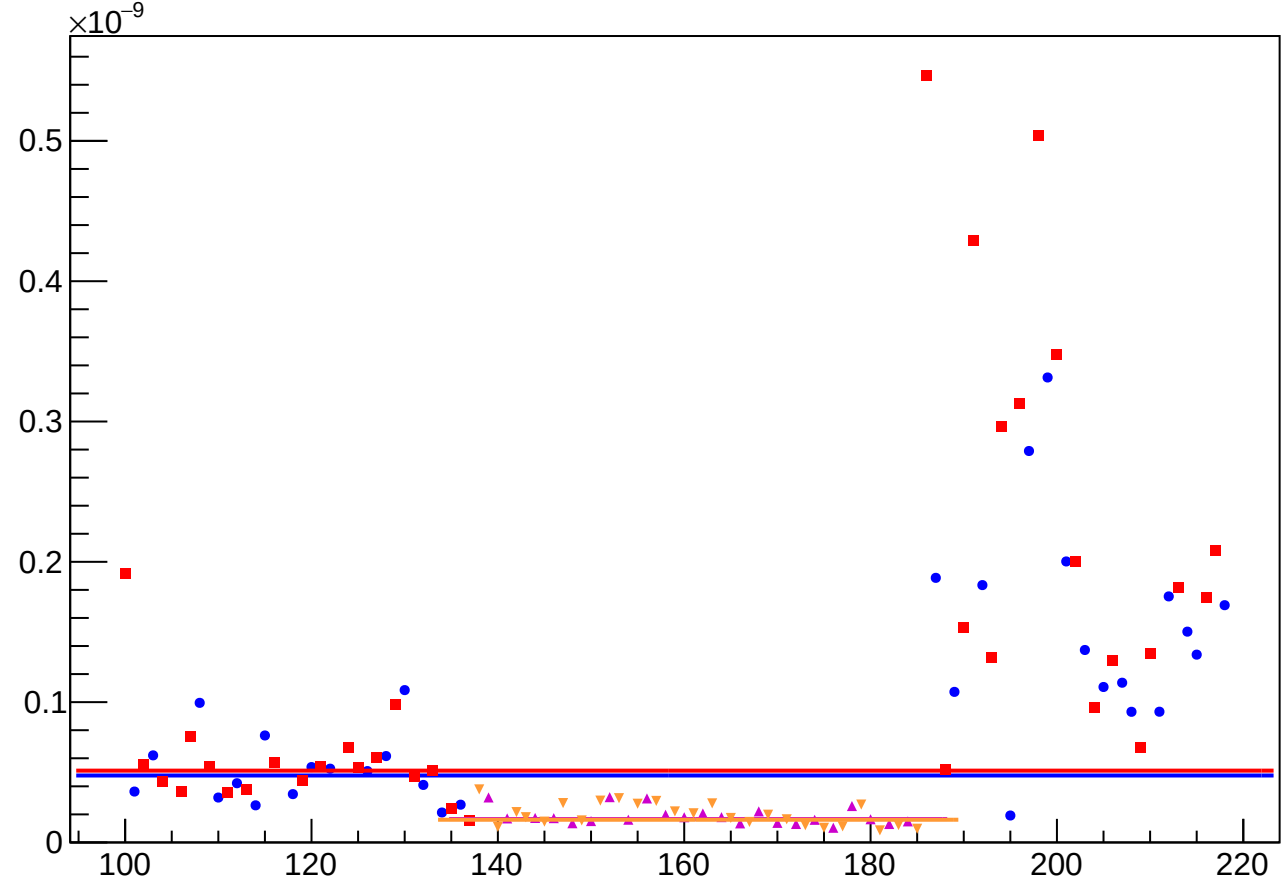
Right Out: -0.000+/-0.000 χ^2/NDF: 28.6/35

Left In: -0.000+/-0.000 χ^2/NDF:27.7/22

+ sign -0.000+/-0.000 χ^2/NDF: 72.1/56

All: -0.000+/-0.000 χ^2/NDF: 130.7/115

- sign -0.000+/-0.000 χ^2/NDF: 58.4/58



Right In: 0.000+/-0.000 χ^2/NDF: 7057875.0/31

Left Out: 0.000+/-0.000 χ^2/NDF:2009728.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7310644.6/35

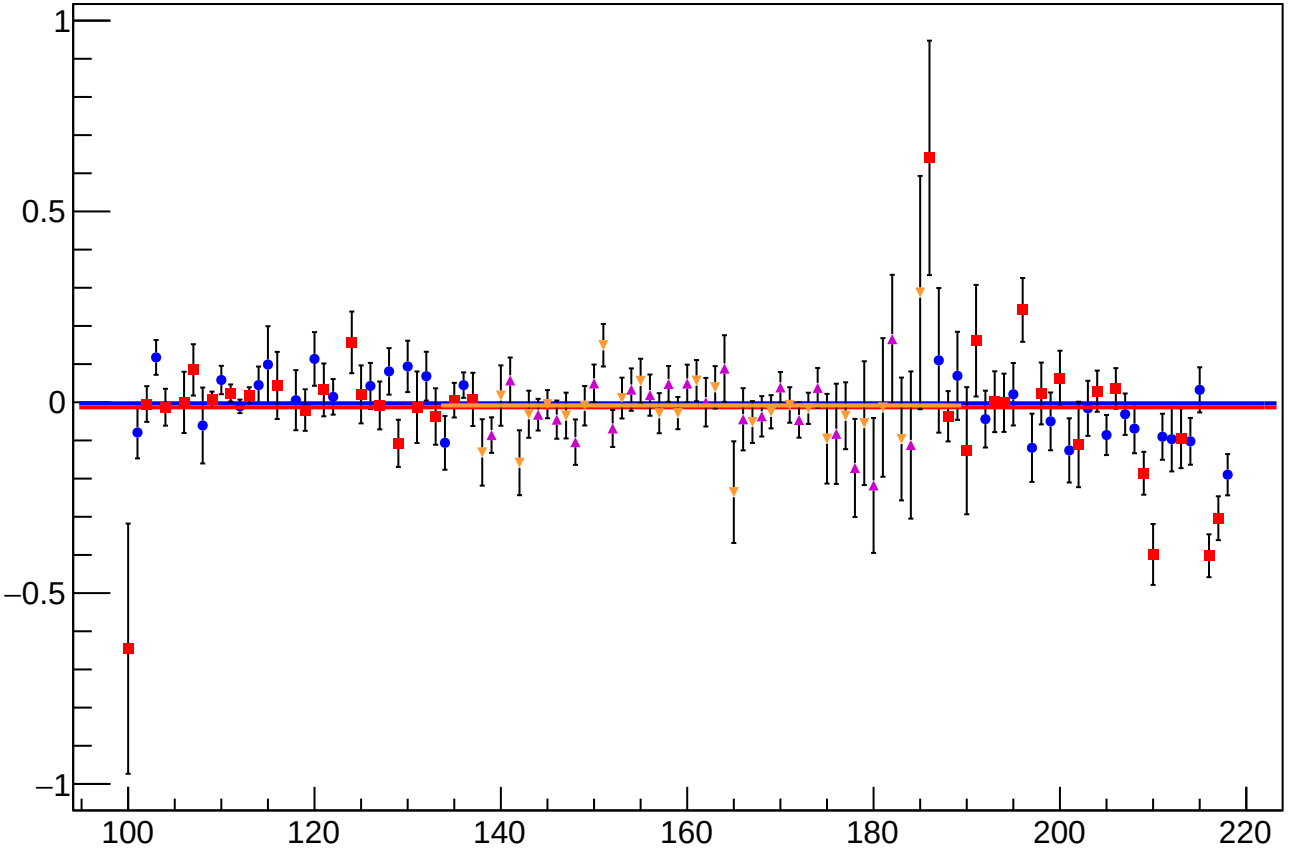
Left In: 0.000+/-0.000 χ^2/NDF:928356.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 13637723.6/56

All: 0.000+/-0.000 χ^2/NDF: 26758073.7/115

- sign 0.000+/-0.000 χ^2/NDF: 13105820.5/58

asym_sam_48_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.003+/-0.009 χ^2/NDF: 53.8/31

Left Out: -0.008+/-0.012 χ^2/NDF:23.2/24

Right Out: -0.013+/-0.009 χ^2/NDF: 147.1/35

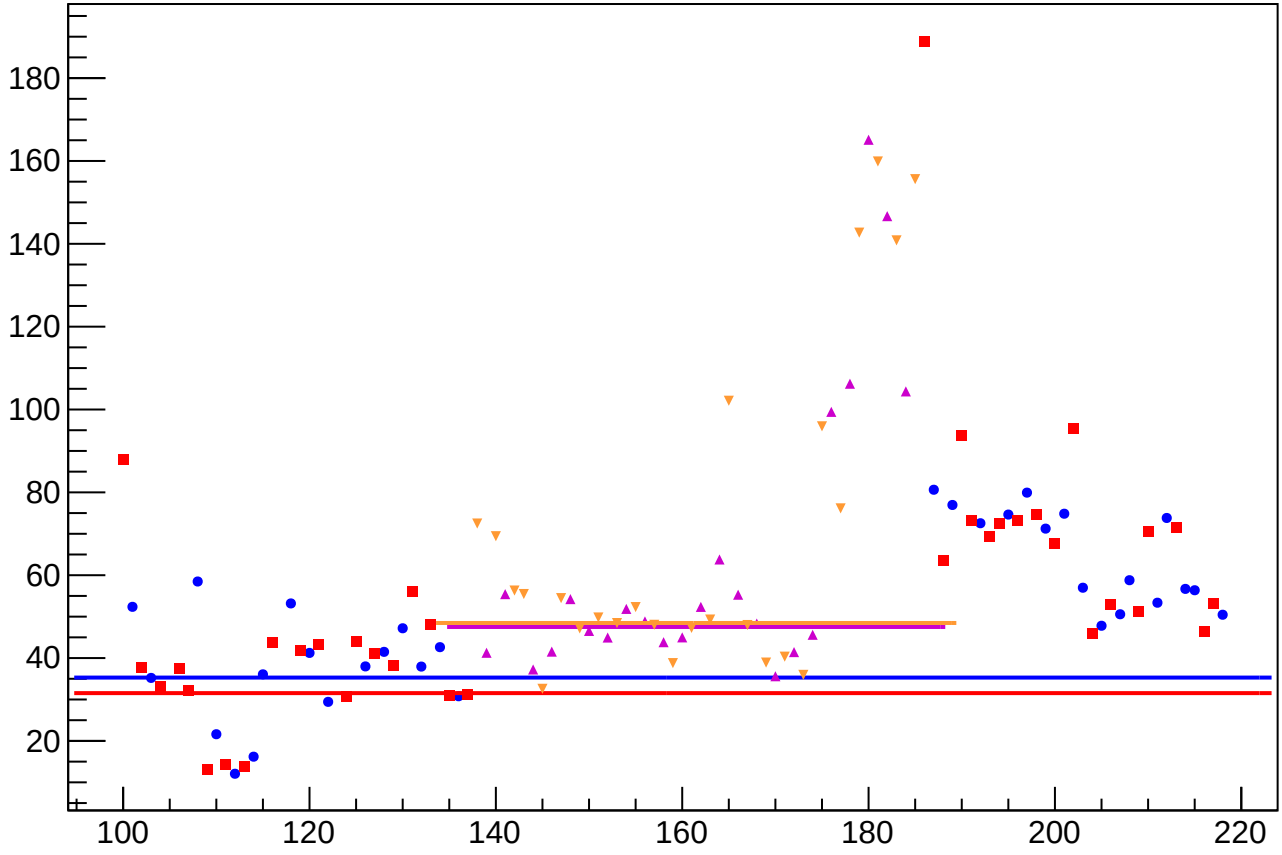
Left In: -0.007+/-0.012 χ^2/NDF:23.2/22

+ sign -0.005+/-0.007 χ^2/NDF: 77.2/56

All: -0.008+/-0.005 χ^2/NDF: 248.1/115

- sign -0.011+/-0.007 χ^2/NDF: 170.5/58

asym_sam_48_dd_dit_vs_cor_diff_rms vs Slug



Right In: 35.290+/-0.007 χ^2/NDF: 9243820.9/31

Left Out: 48.471+/-0.008 χ^2/NDF:4373812.0/24

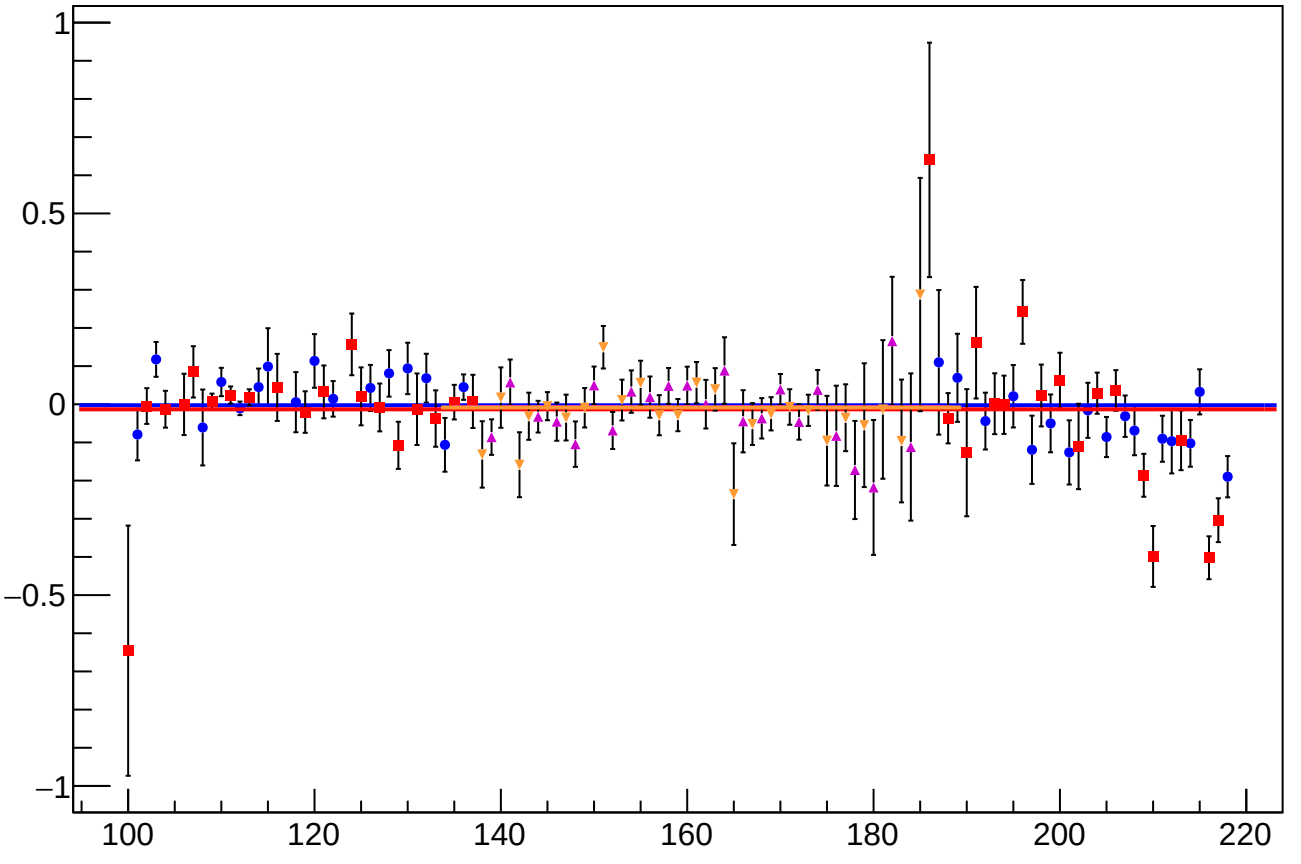
Right Out: 31.538+/-0.006 χ^2/NDF: 11616813.8/35

Left In: 47.505+/-0.009 χ^2/NDF:3075161.5/22

+ sign 40.255+/-0.005 χ^2/NDF: 15120063.8/56

All: 38.499+/-0.004 χ^2/NDF: 32362200.6/115

- sign 36.921+/-0.005 χ^2/NDF: 17026621.3/58



Right In: -0.003+/-0.009 χ^2/NDF: 53.8/31

Left Out: -0.008+/-0.012 χ^2/NDF:23.2/24

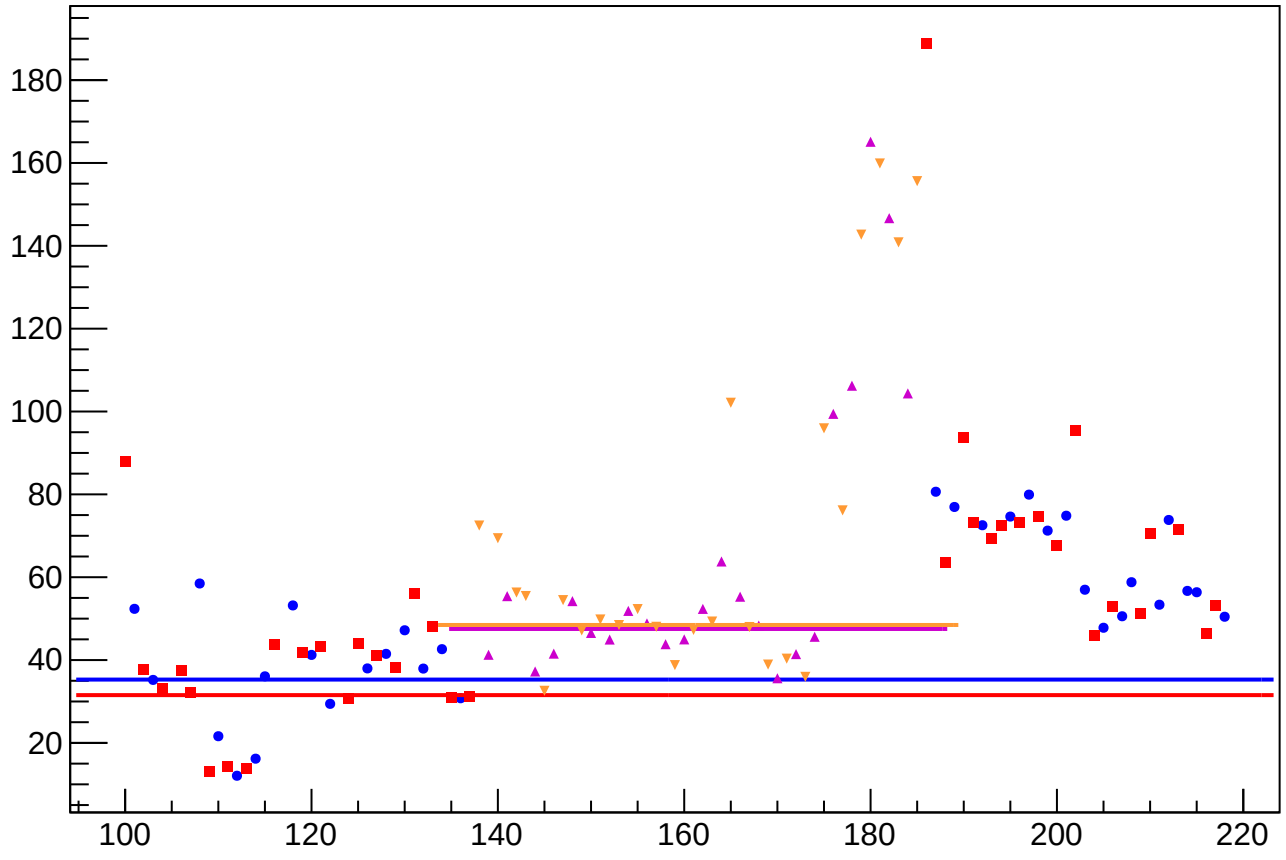
Right Out: -0.013+/-0.009 χ^2/NDF: 147.1/35

Left In: -0.007+/-0.012 χ^2/NDF:23.2/22

+ sign -0.005+/-0.007 χ^2/NDF: 77.2/56

All: -0.008+/-0.005 χ^2/NDF: 248.1/115

- sign -0.011+/-0.007 χ^2/NDF: 170.5/58



Right In: 35.290+/-0.007 χ^2/NDF: 9243820.9/31

Left Out: 48.471+/-0.008 χ^2/NDF:4373812.0/24

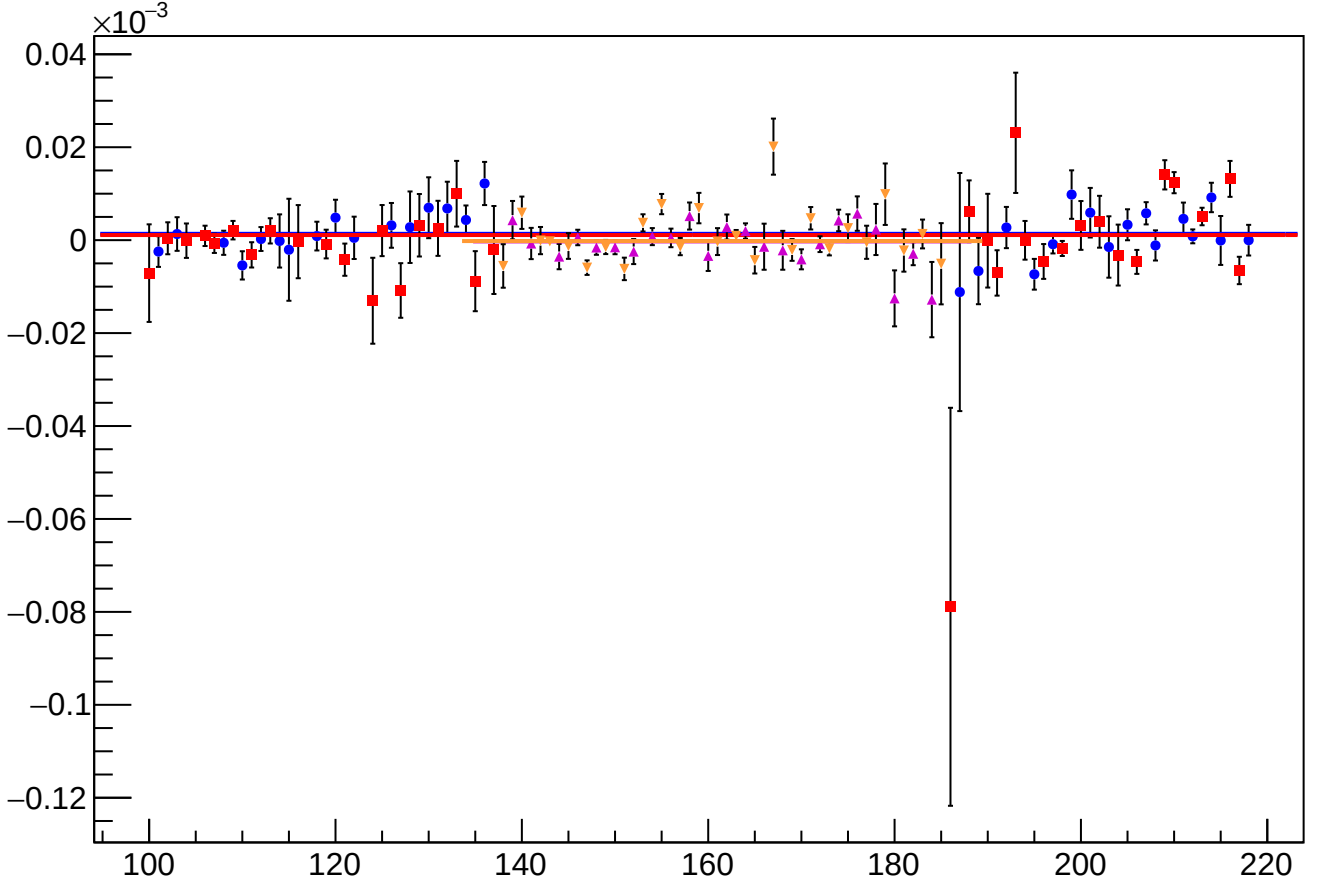
Right Out: 31.538+/-0.006 χ^2/NDF: 11616813.8/35

Left In: 47.505+/-0.009 χ^2/NDF:3075161.5/22

+ sign 40.255+/-0.005 χ^2/NDF: 15120063.8/56

All: 38.499+/-0.004 χ^2/NDF: 32362200.6/115

- sign 36.921+/-0.005 χ^2/NDF: 17026621.3/58



Right In: 0.000+/-0.000 χ^2/NDF: 41.2/31

Left Out: -0.000+/-0.000 χ^2/NDF:71.7/24

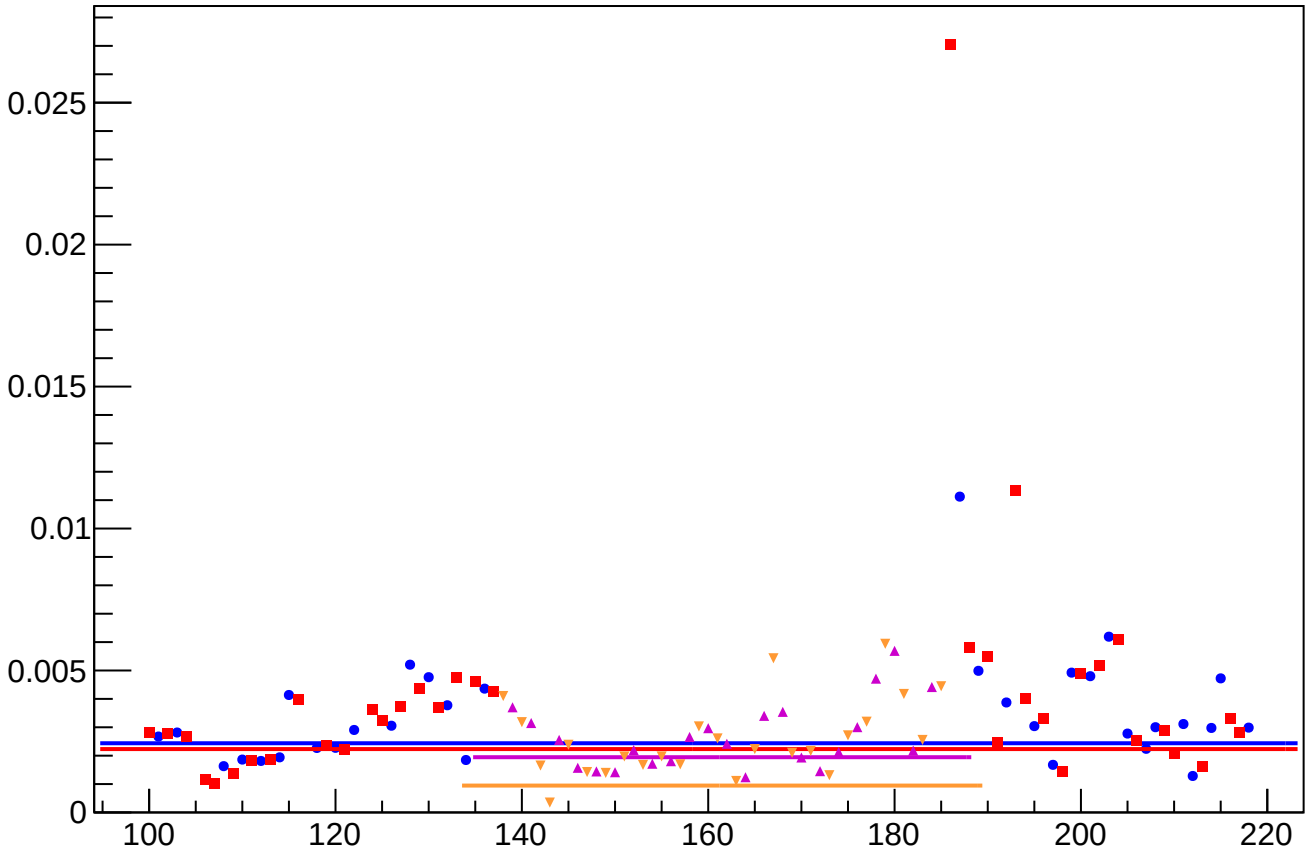
Right Out: 0.000+/-0.000 χ^2/NDF: 101.5/35

Left In: -0.000+/-0.000 χ^2/NDF:30.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 118.2/56

All: 0.000+/-0.000 χ^2/NDF: 254.1/115

- sign 0.000+/-0.000 χ^2/NDF: 135.7/58



Right In: 0.002+/-0.000 χ^2/NDF: 5967174.7/31

Left Out: 0.001+/-0.000 χ^2/NDF:17608951.7/24

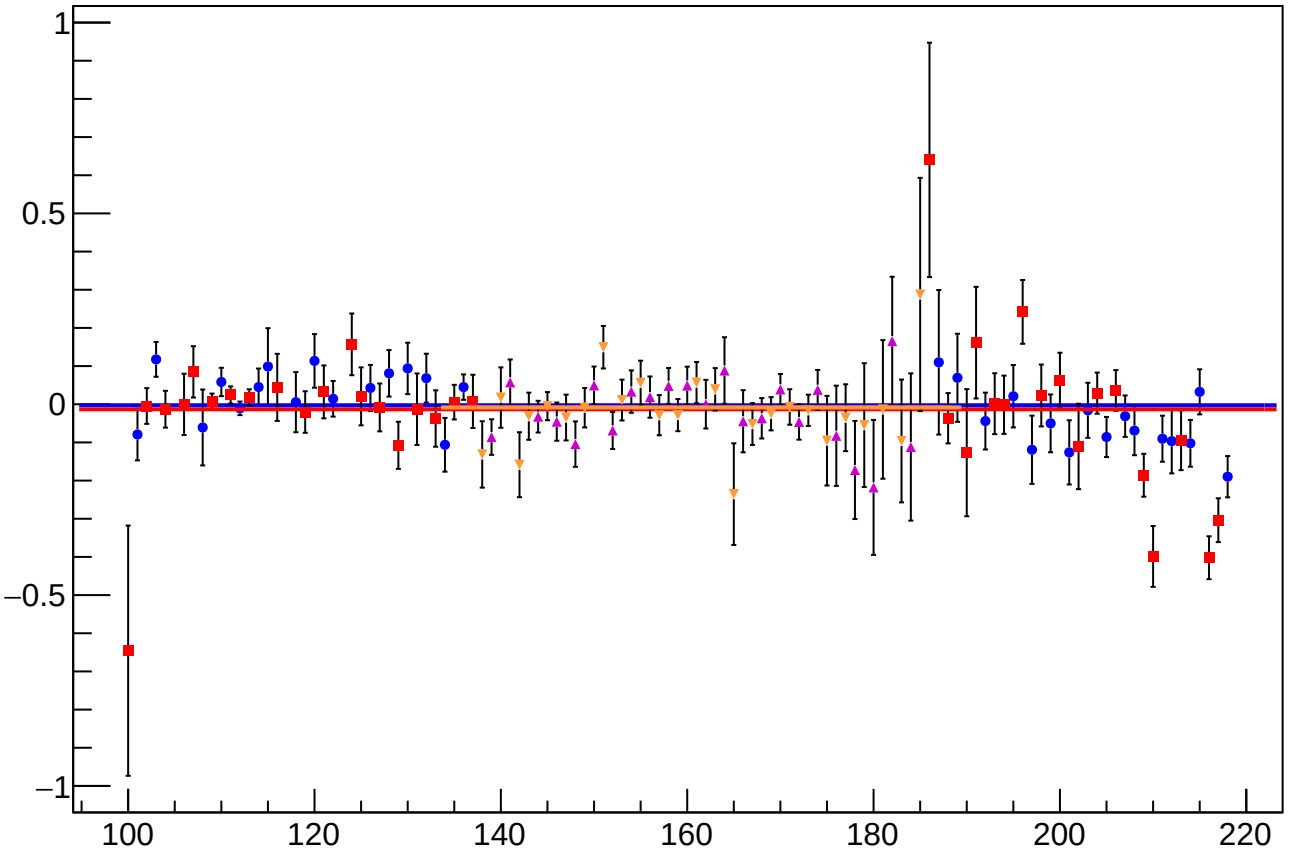
Right Out: 0.002+/-0.000 χ^2/NDF: 8784275.4/35

Left In: 0.002+/-0.000 χ^2/NDF:4362371.5/22

+ sign 0.001+/-0.000 χ^2/NDF: 33284842.5/56

All: 0.002+/-0.000 χ^2/NDF: 53174190.3/115

- sign 0.002+/-0.000 χ^2/NDF: 13435618.4/58



Right In: -0.003+/-0.009 χ^2/NDF: 53.8/31

Left Out: -0.008+/-0.012 χ^2/NDF:23.2/24

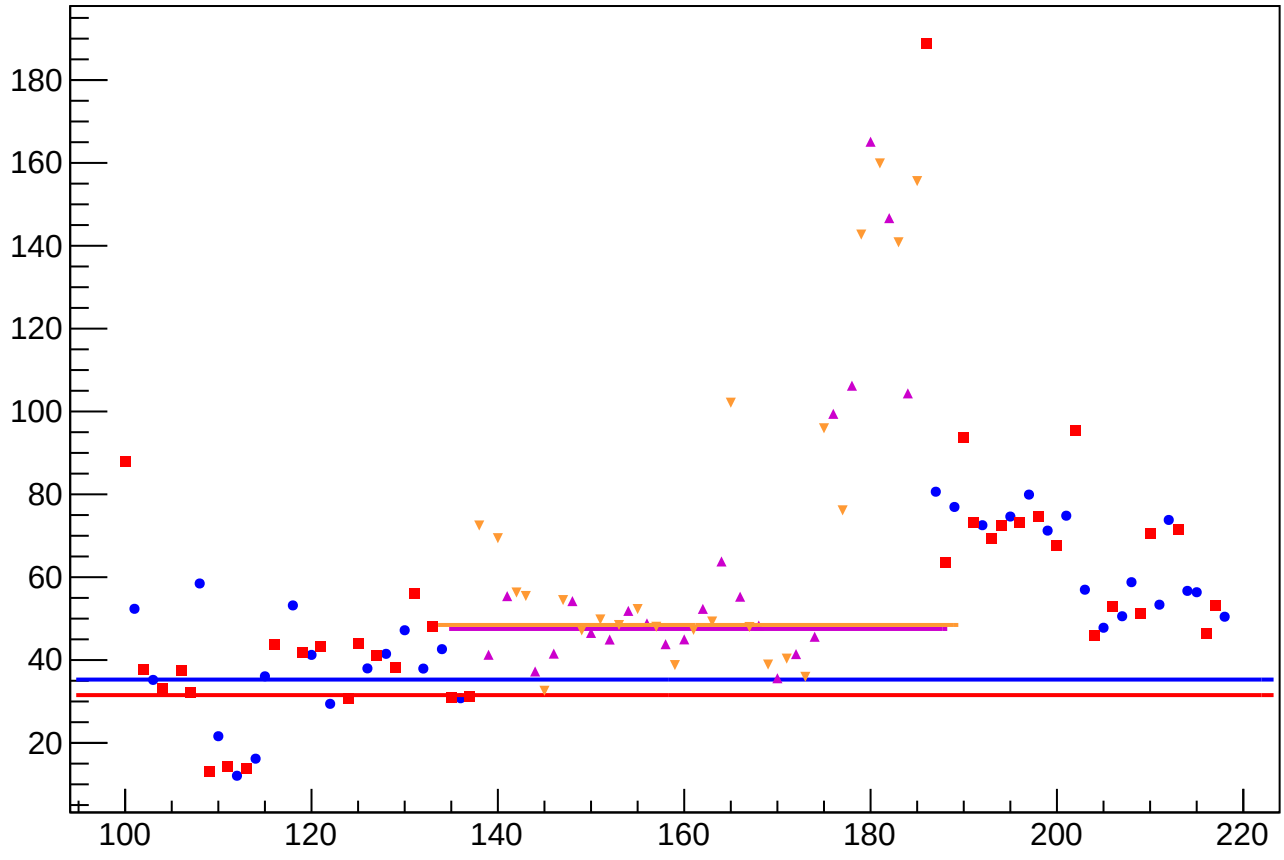
Right Out: -0.013+/-0.009 χ^2/NDF: 147.1/35

Left In: -0.007+/-0.012 χ^2/NDF:23.2/22

+ sign -0.005+/-0.007 χ^2/NDF: 77.2/56

All: -0.008+/-0.005 χ^2/NDF: 248.1/115

- sign -0.011+/-0.007 χ^2/NDF: 170.5/58



Right In: 35.288+/-0.007 χ^2/NDF: 9244710.6/31

Left Out: 48.471+/-0.008 χ^2/NDF:4373775.4/24

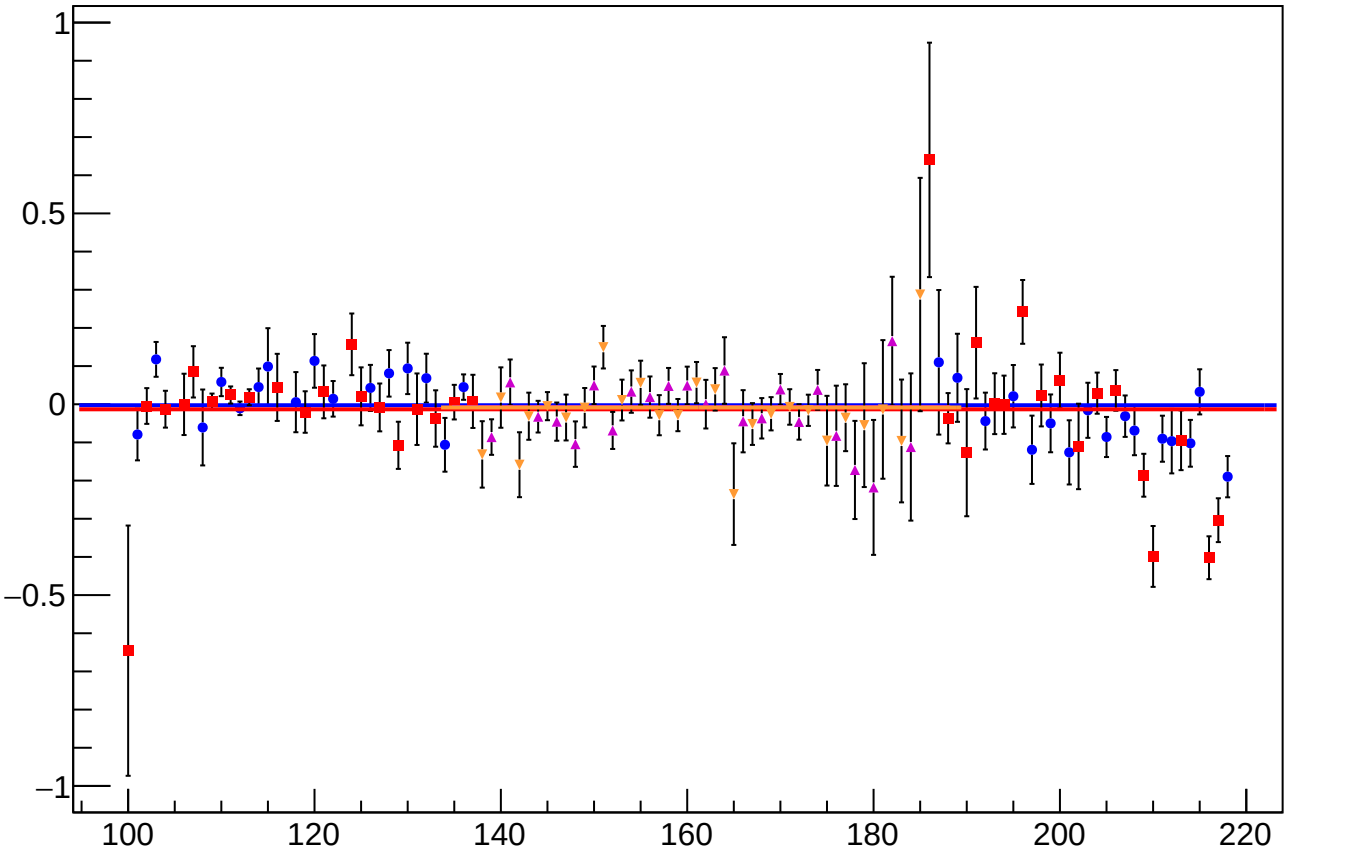
Right Out: 31.537+/-0.006 χ^2/NDF: 11617139.4/35

Left In: 47.505+/-0.009 χ^2/NDF:3075116.0/22

+ sign 40.254+/-0.005 χ^2/NDF: 15121305.7/56

All: 38.499+/-0.004 χ^2/NDF: 32363802.8/115

- sign 36.921+/-0.005 χ^2/NDF: 17027070.8/58



Right In: -0.003+/-0.009 χ^2/NDF: 53.8/31

Left Out: -0.008+/-0.012 χ^2/NDF:23.2/24

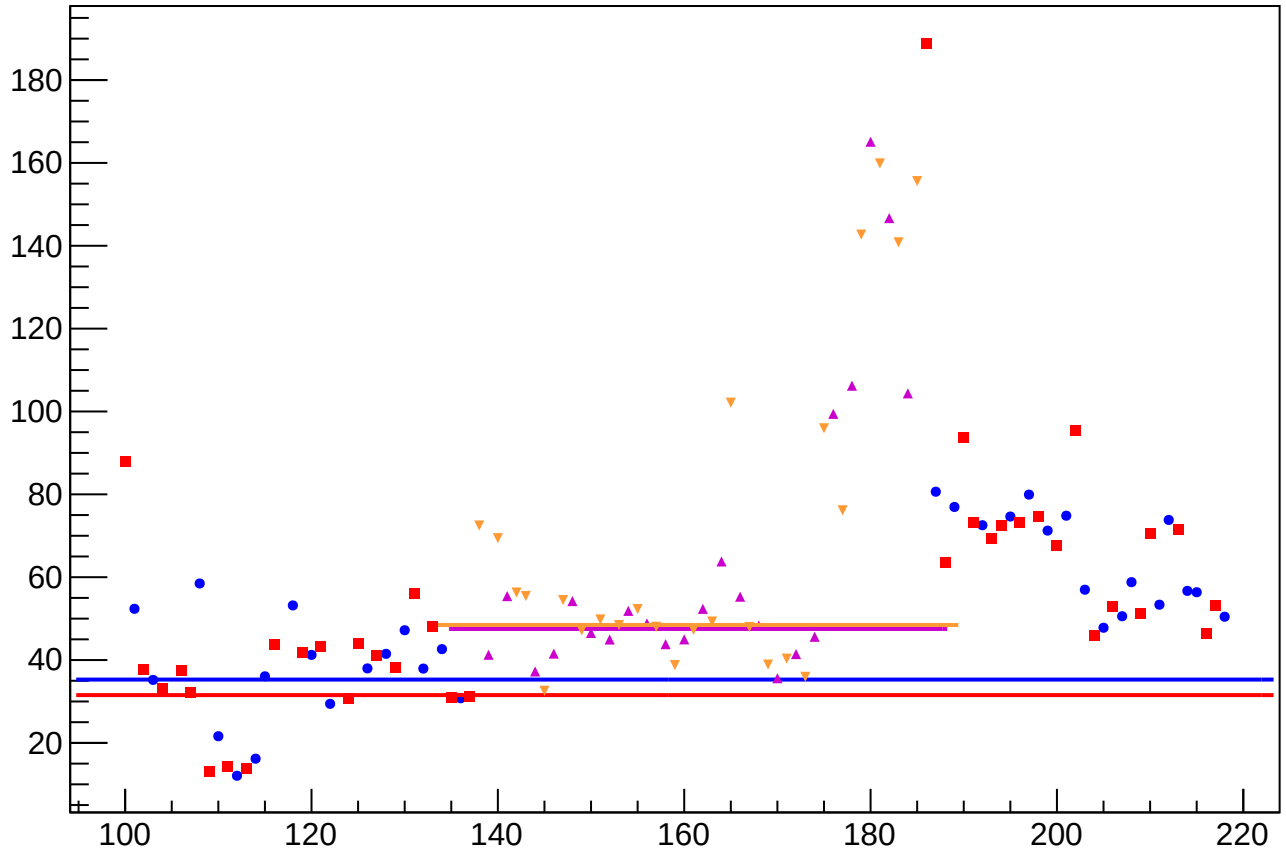
Right Out: -0.013+/-0.009 χ^2/NDF: 147.1/35

Left In: -0.007+/-0.012 χ^2/NDF:23.2/22

+ sign -0.005+/-0.007 χ^2/NDF: 77.2/56

All: -0.008+/-0.005 χ^2/NDF: 248.1/115

- sign -0.011+/-0.007 χ^2/NDF: 170.5/58



Right In: 35.288+/-0.007 χ^2/NDF: 9244710.6/31

Left Out: 48.471+/-0.008 χ^2/NDF:4373775.4/24

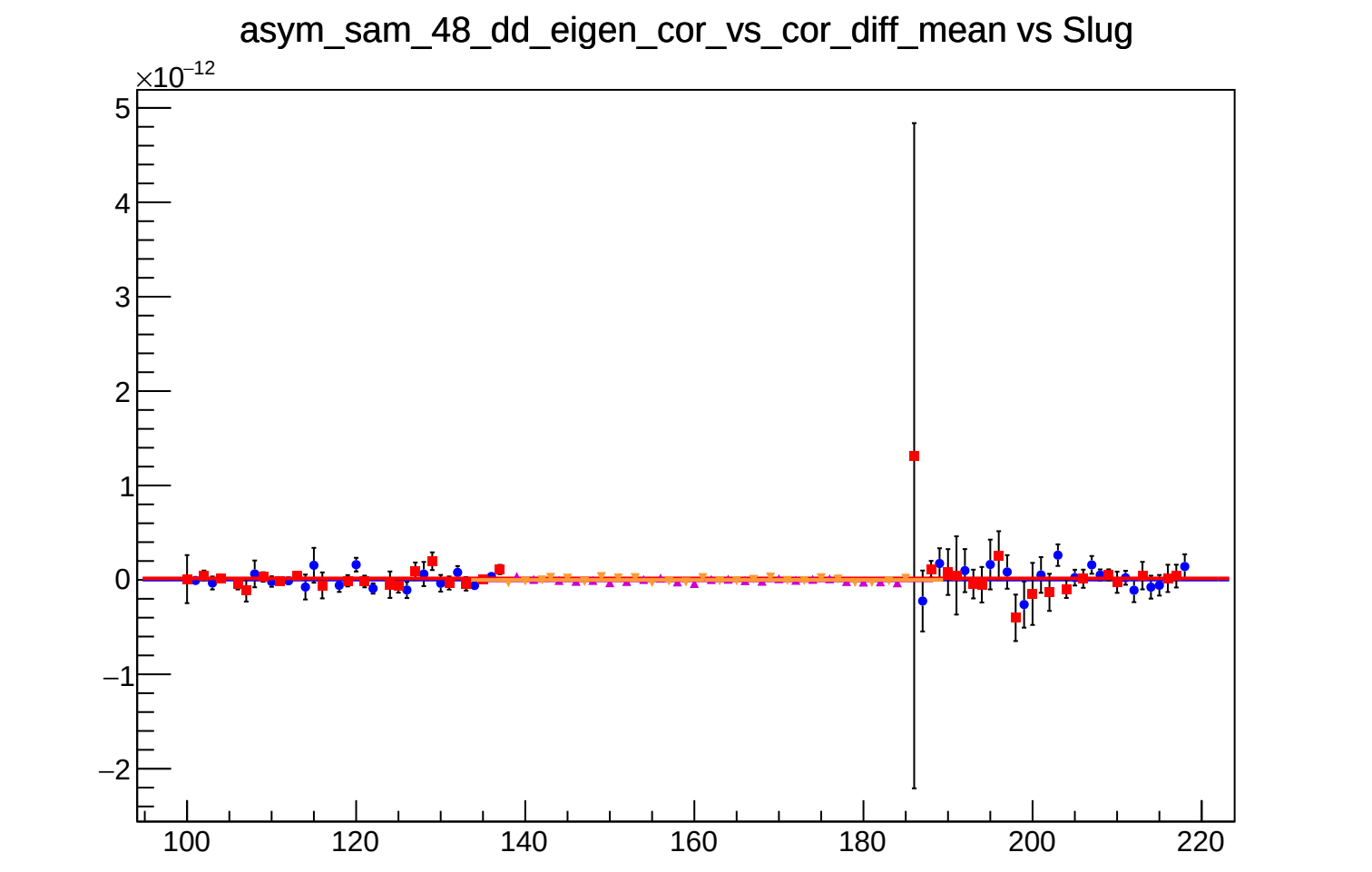
Right Out: 31.537+/-0.006 χ^2/NDF: 11617139.4/35

Left In: 47.505+/-0.009 χ^2/NDF:3075116.0/22

+ sign 40.254+/-0.005 χ^2/NDF: 15121305.7/56

All: 38.499+/-0.004 χ^2/NDF: 32363802.8/115

- sign 36.921+/-0.005 χ^2/NDF: 17027070.8/58



Right In: 0.000+/-0.000 χ^2/NDF: 34.3/31

Left Out: 0.000+/-0.000 χ^2/NDF:31.4/24

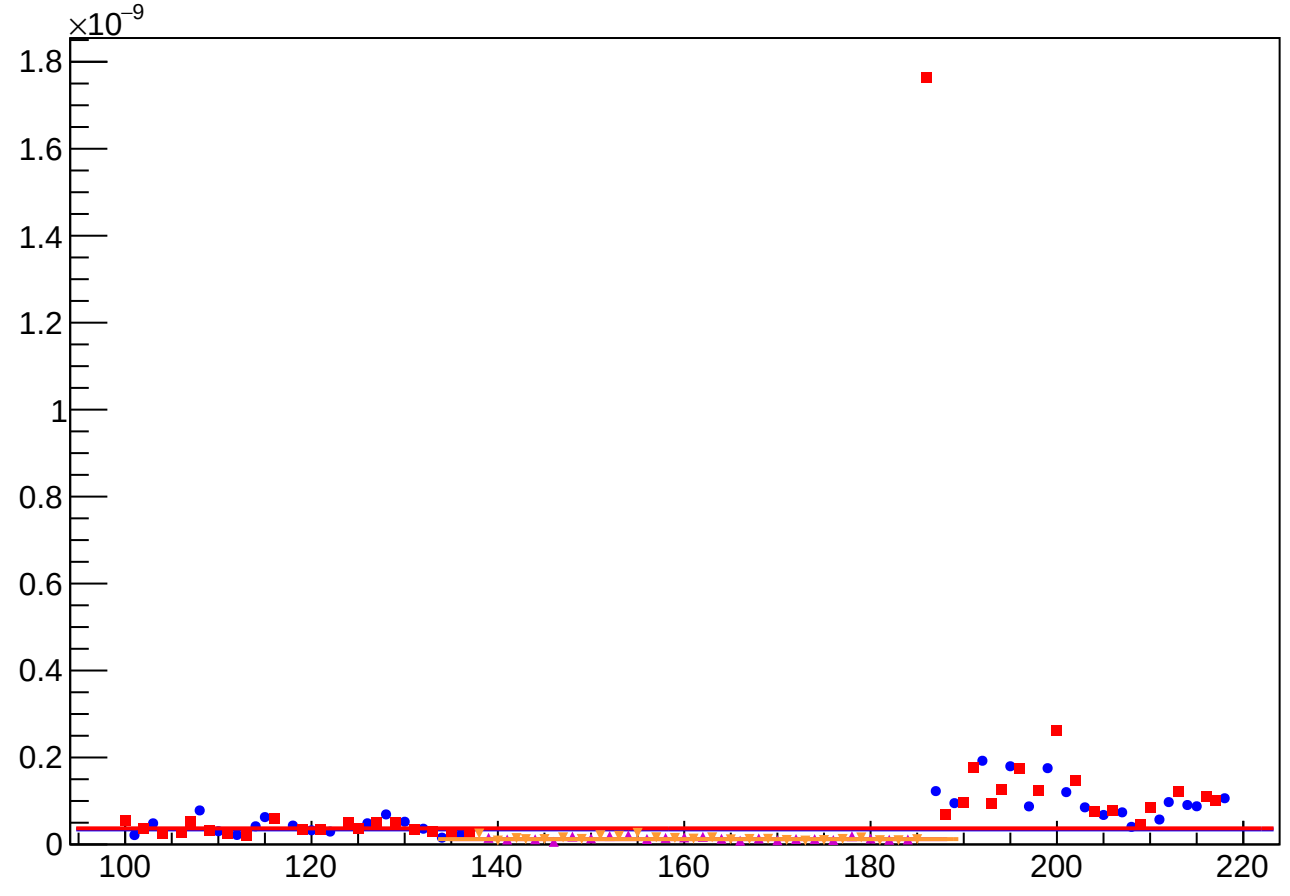
Right Out: 0.000+/-0.000 χ^2/NDF: 23.3/35

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

+ sign 0.000+/-0.000 χ^2/NDF: 65.7/56

All: -0.000+/-0.000 χ^2/NDF: 111.6/115

- sign -0.000+/-0.000 χ^2/NDF: 45.2/58



Right In: 0.000+/-0.000 χ^2/NDF: 9011182.4/31

Left Out: 0.000+/-0.000 χ^2/NDF:1915201.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8706212.9/35

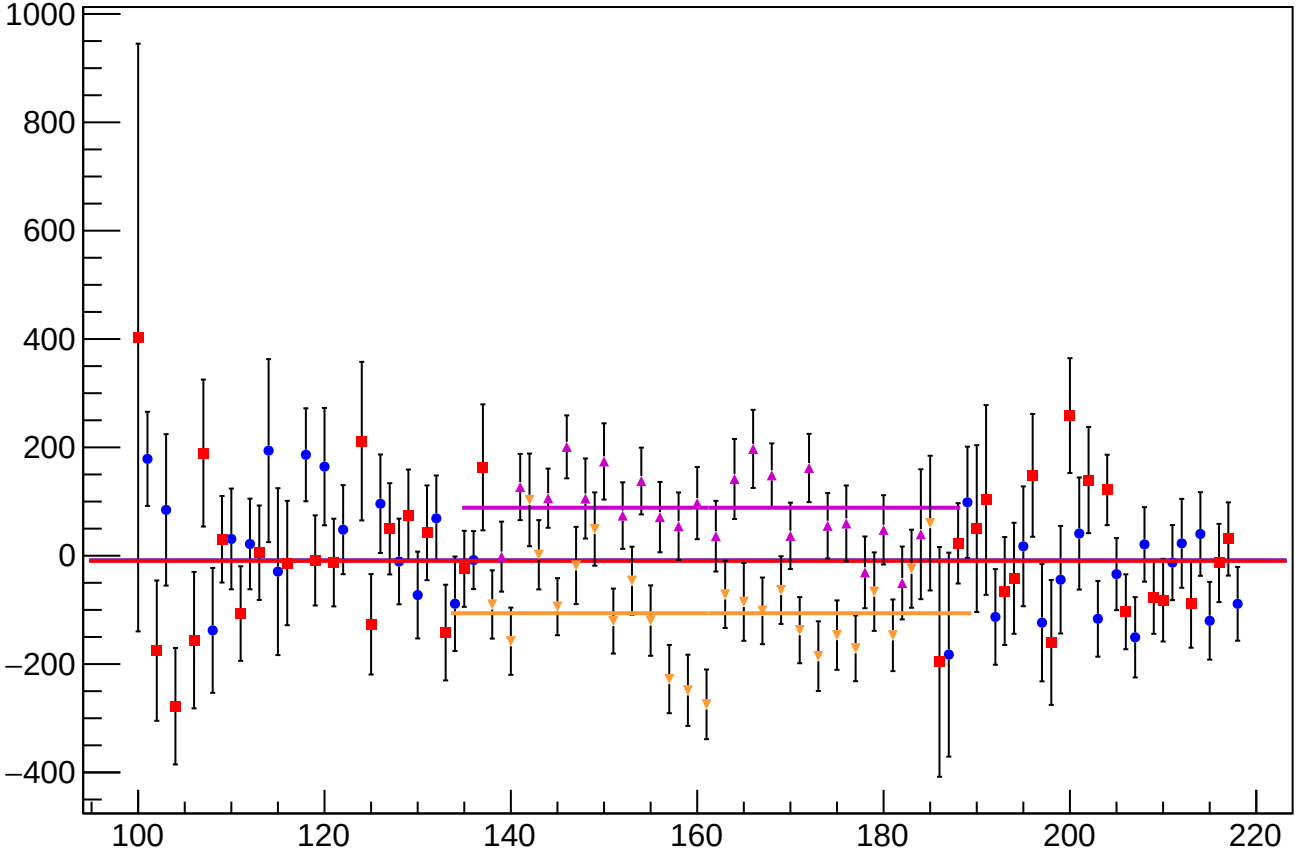
Left In: 0.000+/-0.000 χ^2/NDF:1925839.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 17730978.8/56

All: 0.000+/-0.000 χ^2/NDF: 35946490.3/115

- sign 0.000+/-0.000 χ^2/NDF: 18214956.8/58

reg_asym_sam_13_57_dd_mean vs Slug



Right In: -8.650+/-15.052 χ^2/NDF: 35.7/31

Left Out: -106.100+/-13.089 χ^2/NDF:40.7/24

Right Out: -9.304+/-15.315 χ^2/NDF: 47.1/35

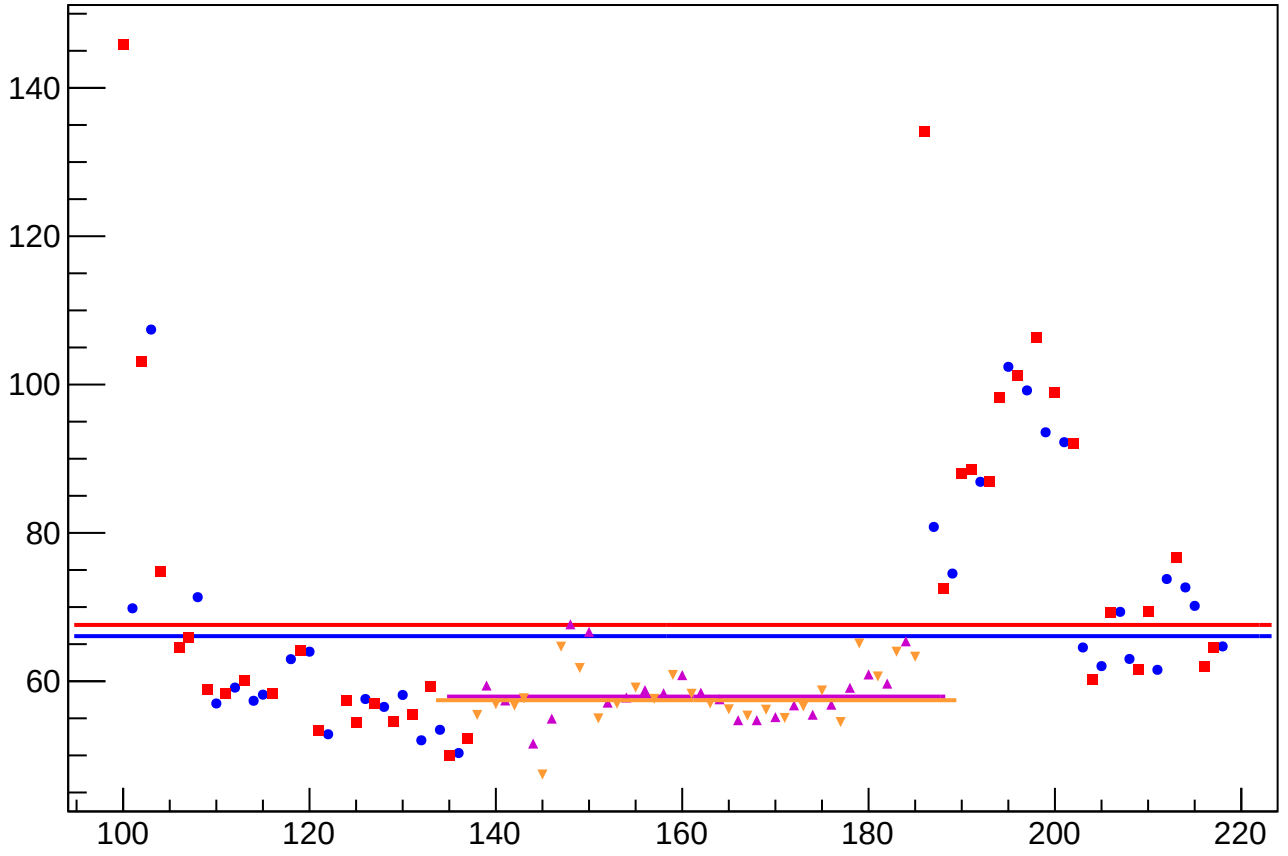
Left In: 88.619+/-13.566 χ^2/NDF:23.9/22

+ sign -64.141+/-9.877 χ^2/NDF: 100.2/56

All: -10.809+/-7.080 χ^2/NDF: 254.1/115

- sign 45.565+/-10.155 χ^2/NDF: 93.9/58

reg_asym_sam_13_57_dd_rms vs Slug



Right In: 66.080+/-0.011 χ^2/NDF: 1511035.6/31

Left Out: 57.440+/-0.009 χ^2/NDF:174555.9/24

Right Out: 67.593+/-0.011 χ^2/NDF: 1998358.2/35

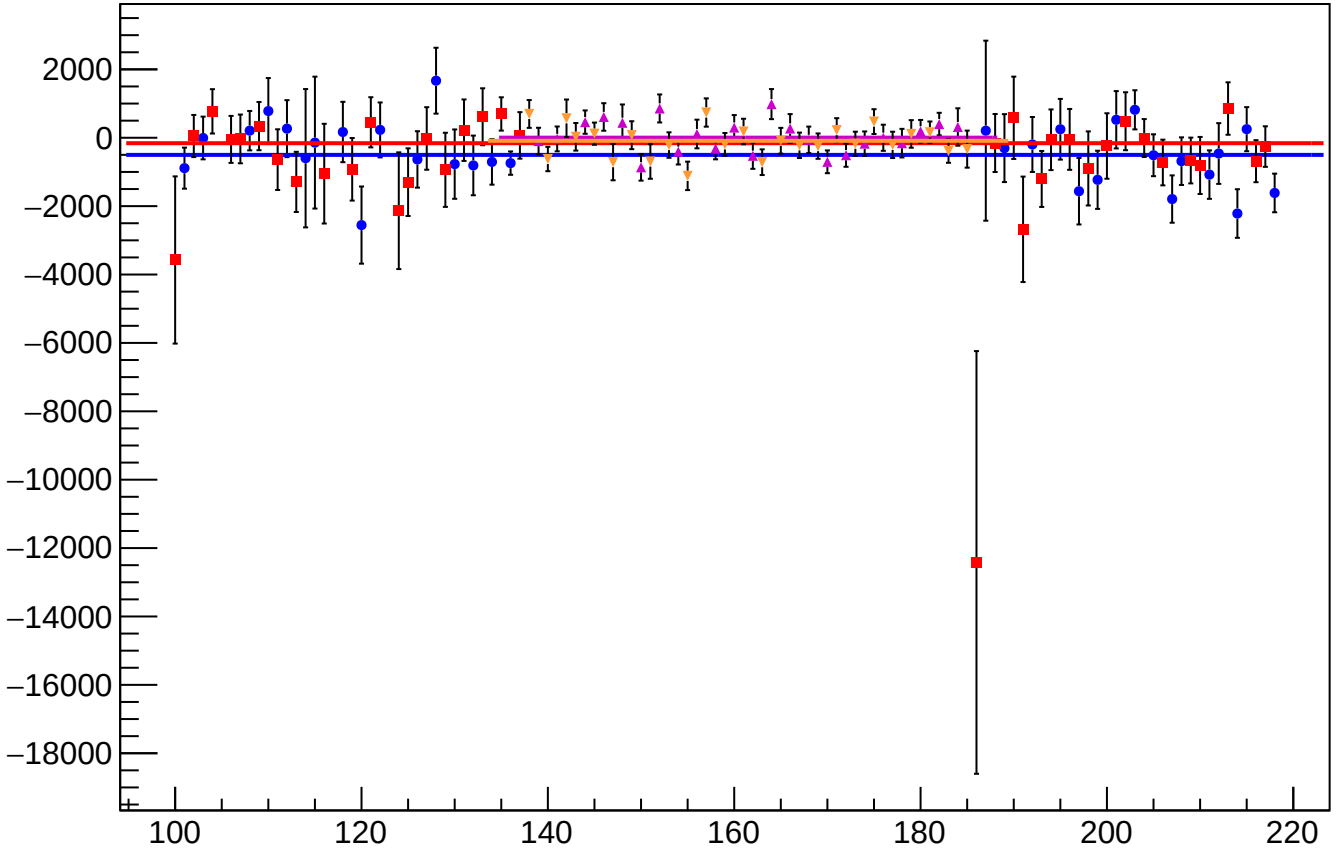
Left In: 57.933+/-0.010 χ^2/NDF:135903.0/22

\+ sign 61.160+/-0.007 χ^2/NDF: 2060763.2/56

All: 61.656+/-0.005 χ^2/NDF: 4651237.8/115

\- sign 62.180+/-0.007 χ^2/NDF: 2580111.2/58

asym_sam_13_57_dd_reg_correction_mean vs Slug



Right In: -501.062+/-130.023 χ^2/NDF: 40.8/31

Left Out: -89.059+/-77.011 χ^2/NDF:29.9/24

Right Out: -159.141+/-133.532 χ^2/NDF: 30.0/35

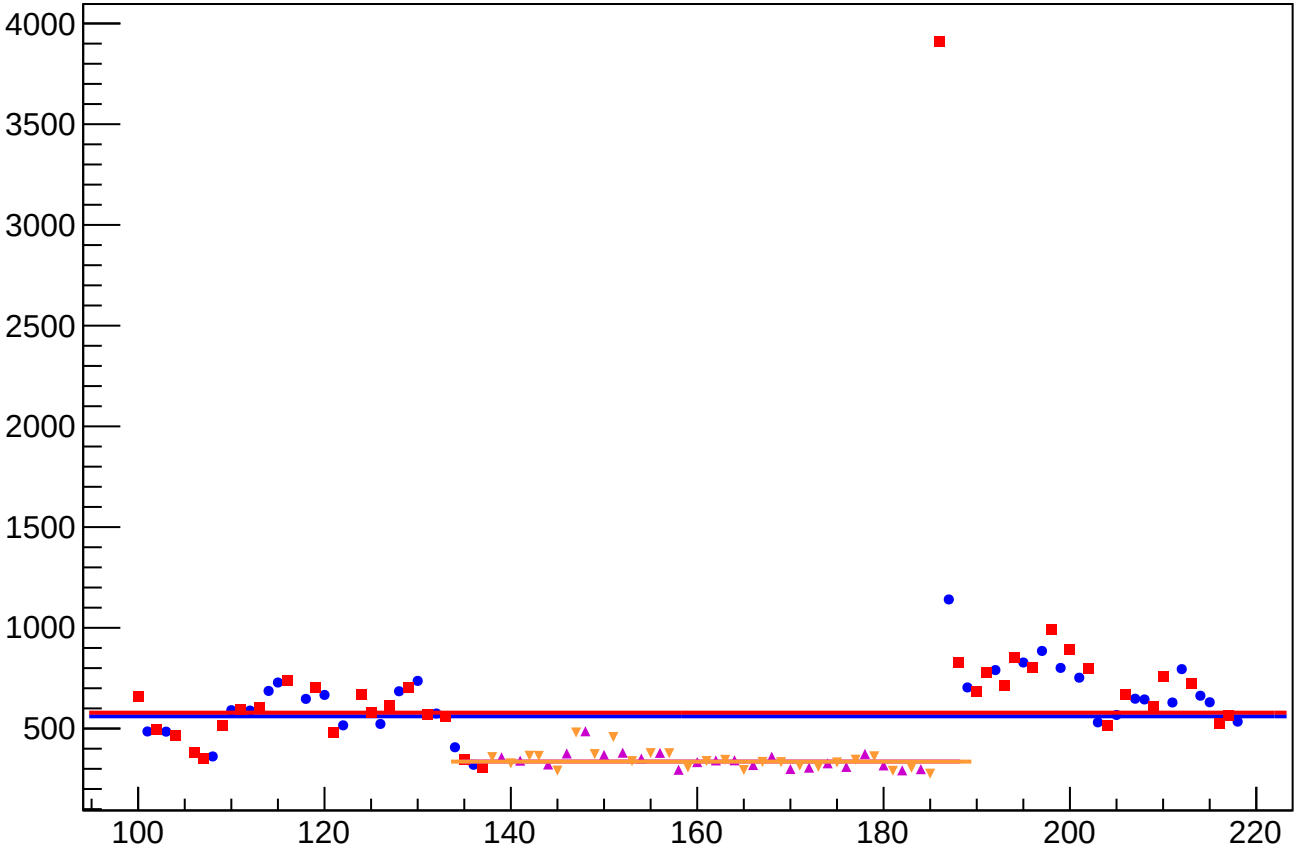
Left In: 3.046+/-79.193 χ^2/NDF:33.6/22

+ sign -196.056+/-66.261 χ^2/NDF: 78.1/56

All: -119.771+/-47.495 χ^2/NDF: 145.5/115

- sign -39.156+/-68.115 χ^2/NDF: 64.7/58

asym_sam_13_57_dd_reg_correction_rms vs Slug



Right In: 560.768+/-0.092 χ^2/NDF: 2831575.5/31

Left Out: 335.894+/-0.054 χ^2/NDF:533835.0/24

Right Out: 578.949+/-0.094 χ^2/NDF: 3456122.7/35

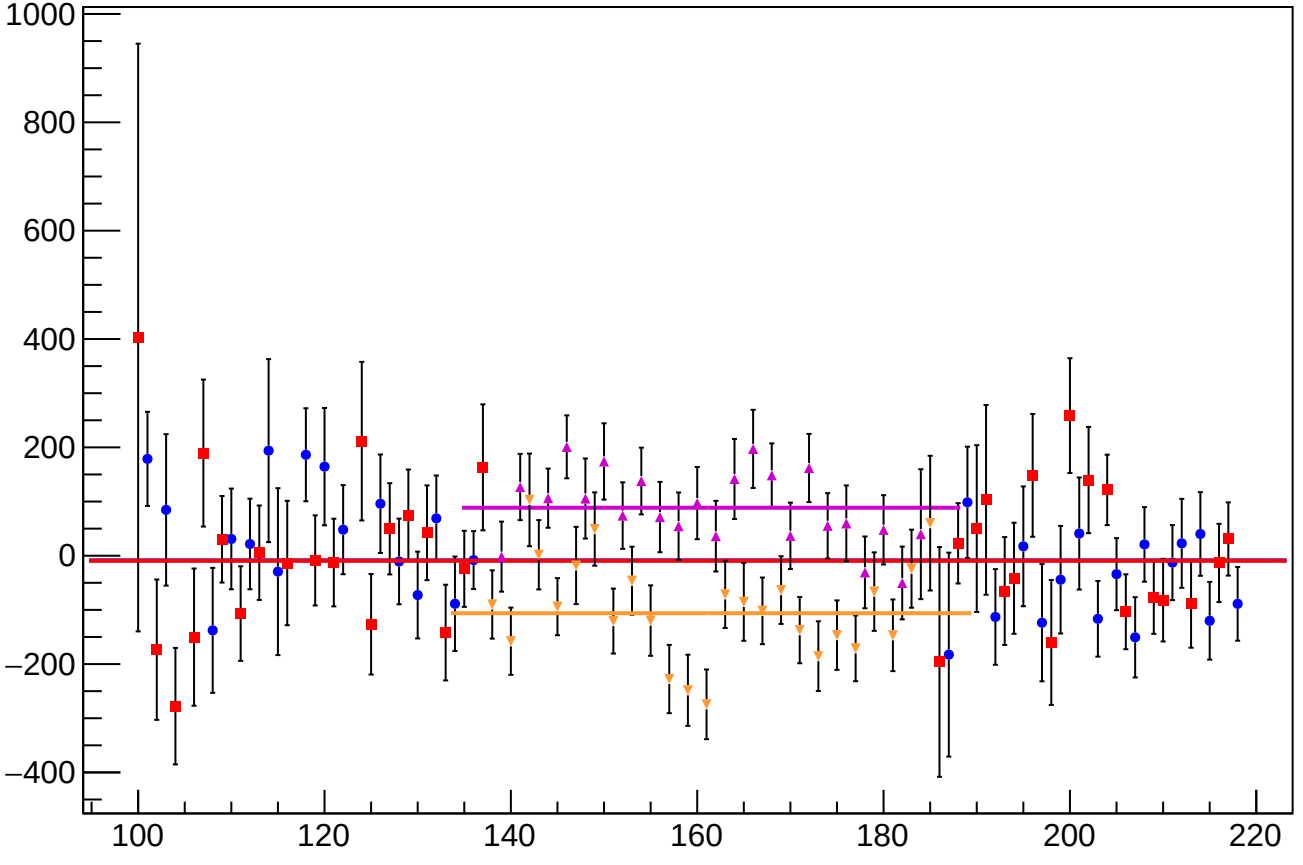
Left In: 336.343+/-0.056 χ^2/NDF:414202.1/22

+ sign 394.294+/-0.047 χ^2/NDF: 7794100.1/56

All: 396.811+/-0.034 χ^2/NDF: 16554329.5/11

- sign 399.470+/-0.048 χ^2/NDF: 8754295.2/58

cor_asym_sam_13_57_dd_mean vs Slug



Right In: -8.654+/-15.052 χ^2/NDF: 35.7/31

Left Out: -106.099+/-13.089 χ^2/NDF:40.7/24

Right Out: -9.171+/-15.316 χ^2/NDF: 47.0/35

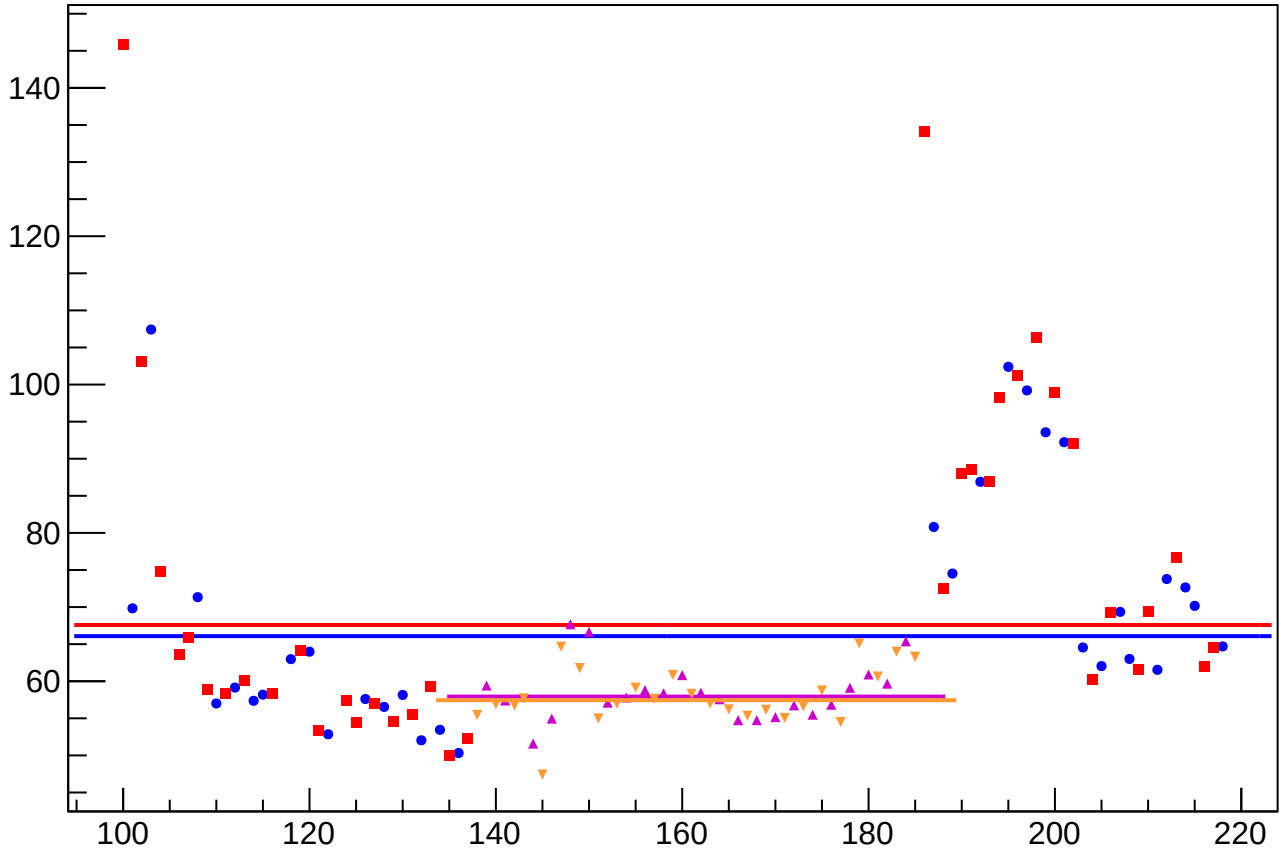
Left In: 88.621+/-13.566 χ^2/NDF:23.9/22

+ sign -64.142+/-9.877 χ^2/NDF: 100.2/56

All: -10.781+/-7.080 χ^2/NDF: 254.0/115

- sign 45.630+/-10.155 χ^2/NDF: 93.7/58

cor_asym_sam_13_57_dd_rms vs Slug



Right In: 66.080+/-0.011 χ^2/NDF: 1511037.6/31

Left Out: 57.440+/-0.009 χ^2/NDF:174555.9/24

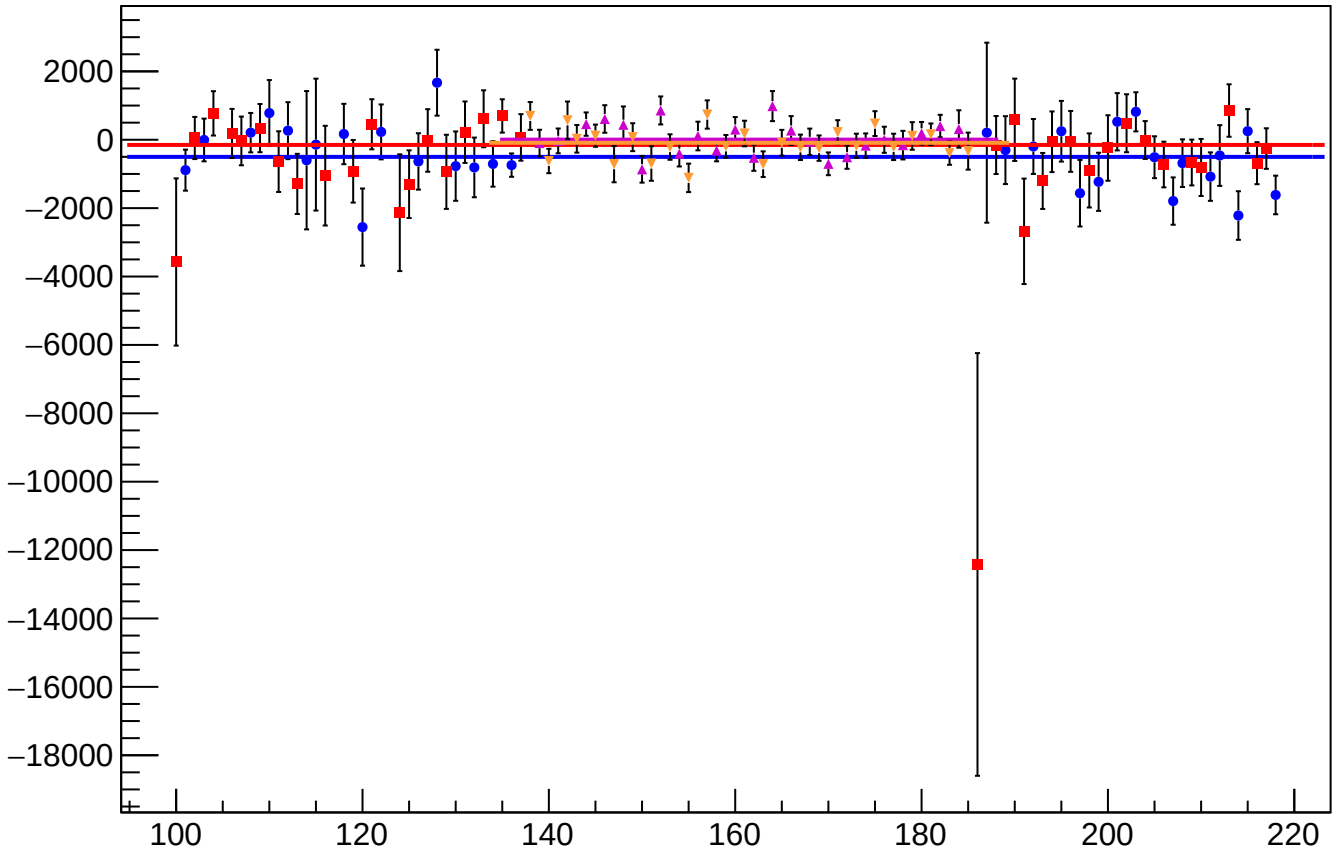
Right Out: 67.579+/-0.011 χ^2/NDF: 1999417.3/35

Left In: 57.933+/-0.010 χ^2/NDF:135903.0/22

+ sign 61.160+/-0.007 χ^2/NDF: 2060765.2/56

All: 61.653+/-0.005 χ^2/NDF: 4650851.8/115

- sign 62.173+/-0.007 χ^2/NDF: 2579854.9/58



Right In: -501.048+/-130.023 χ^2/NDF: 40.8/31

Left Out: -89.061+/-77.011 χ^2/NDF:29.9/24

Right Out: -151.437+/-133.751 χ^2/NDF: 30.2/35

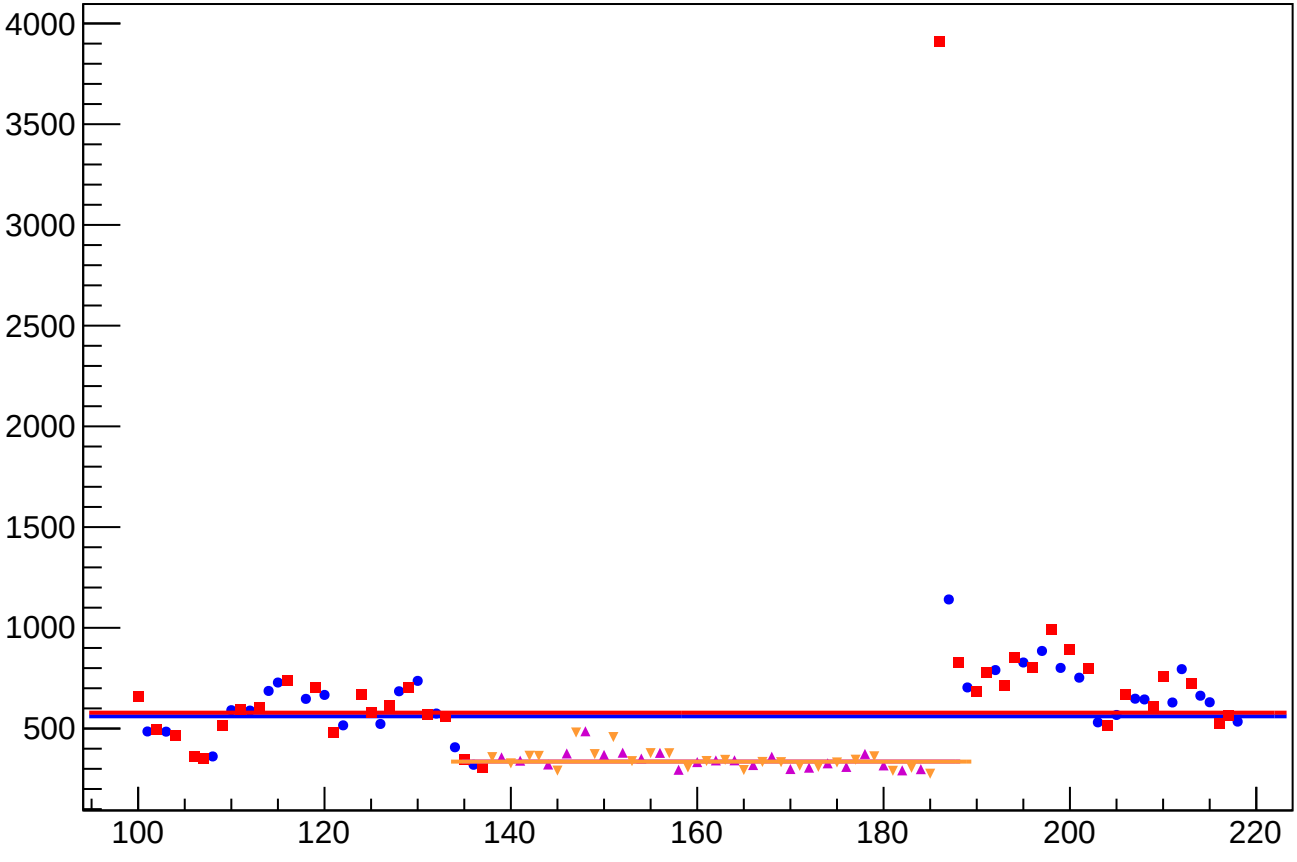
Left In: 3.047+/-79.193 χ^2/NDF:33.6/22

+ sign -196.054+/-66.261 χ^2/NDF: 78.1/56

All: -118.781+/-47.505 χ^2/NDF: 145.7/115

- sign -37.053+/-68.144 χ^2/NDF: 64.8/58

asym_sam_13_57_dd_cor_correction_rms vs Slug



Right In: 560.770+/-0.092 χ^2/NDF: 2831541.9/31

Left Out: 335.894+/-0.054 χ^2/NDF:533835.9/24

Right Out: 578.882+/-0.095 χ^2/NDF: 3475497.6/35

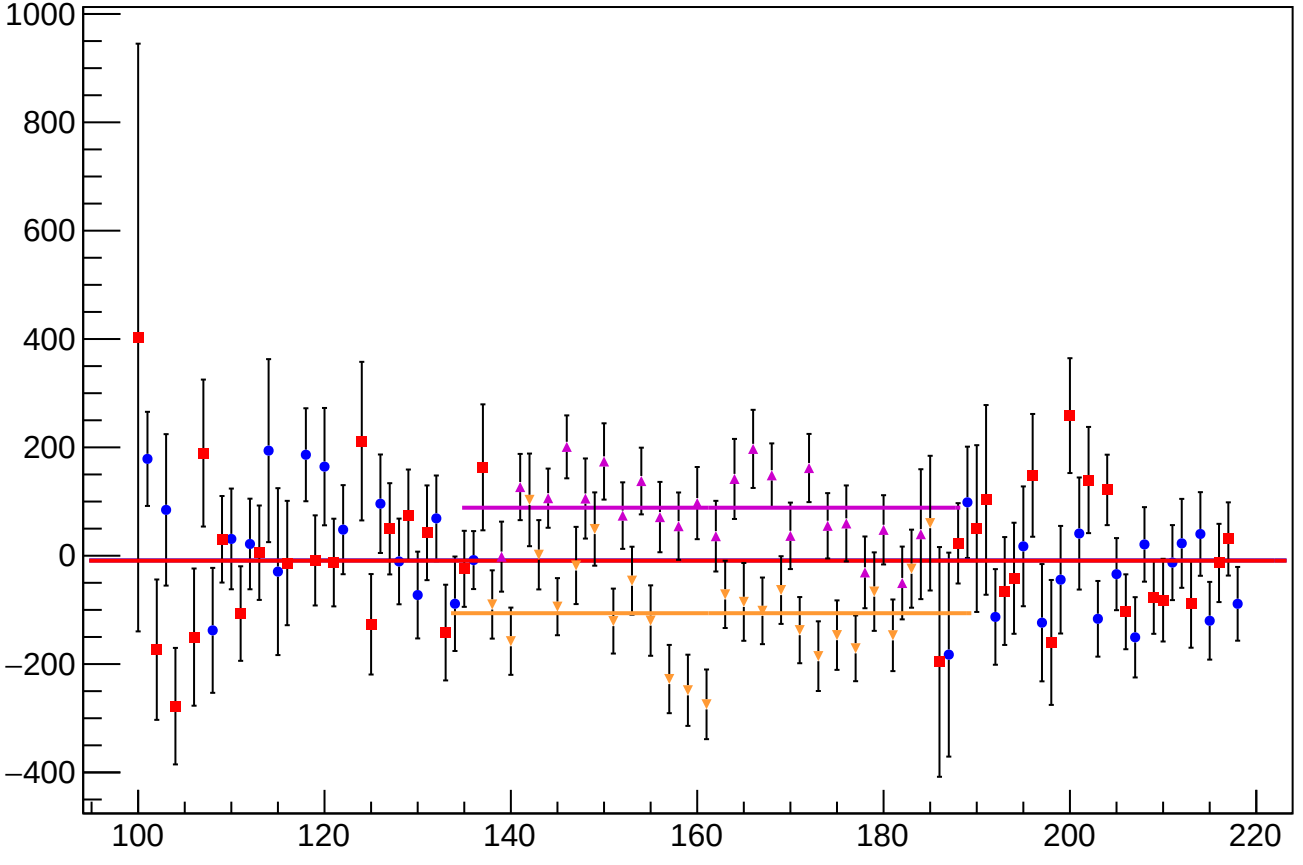
Left In: 336.343+/-0.056 χ^2/NDF:414205.9/22

+ sign 394.294+/-0.047 χ^2/NDF: 7794120.9/56

All: 396.727+/-0.034 χ^2/NDF: 16558819.6/11

- sign 399.300+/-0.048 χ^2/NDF: 8759151.6/58

eigen_cor_asym_sam_13_57_dd_mean vs Slug



Right In: -8.654+/-15.052 χ^2/NDF: 35.7/31

Left Out: -106.099+/-13.089 χ^2/NDF:40.7/24

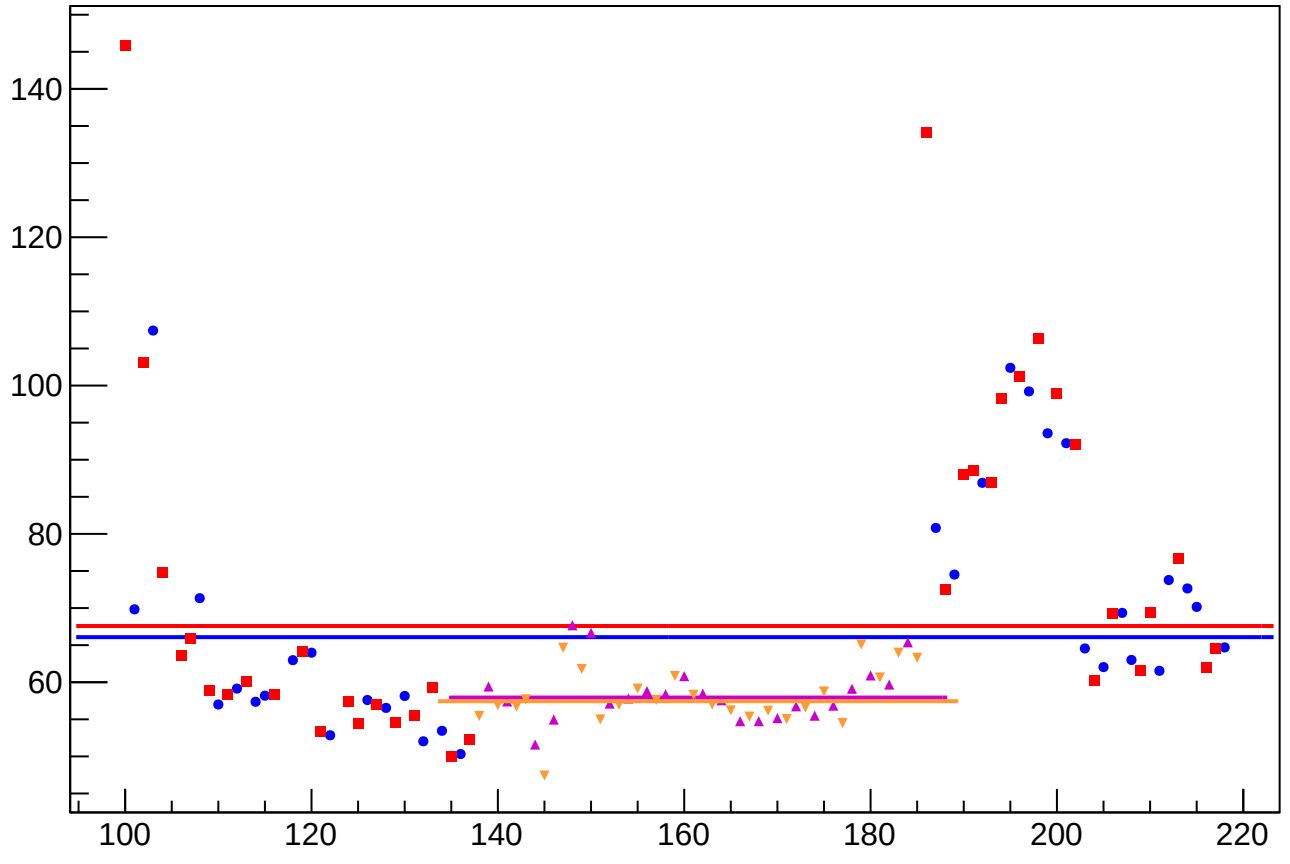
Right Out: -9.171+/-15.316 χ^2/NDF: 47.0/35

Left In: 88.621+/-13.566 χ^2/NDF:23.9/22

+ sign -64.142+/-9.877 χ^2/NDF: 100.2/56

All: -10.781+/-7.080 χ^2/NDF: 254.0/115

- sign 45.630+/-10.155 χ^2/NDF: 93.7/58



Right In: 66.080+/-0.011 χ^2/NDF: 1511037.6/31

Left Out: 57.440+/-0.009 χ^2/NDF:174555.9/24

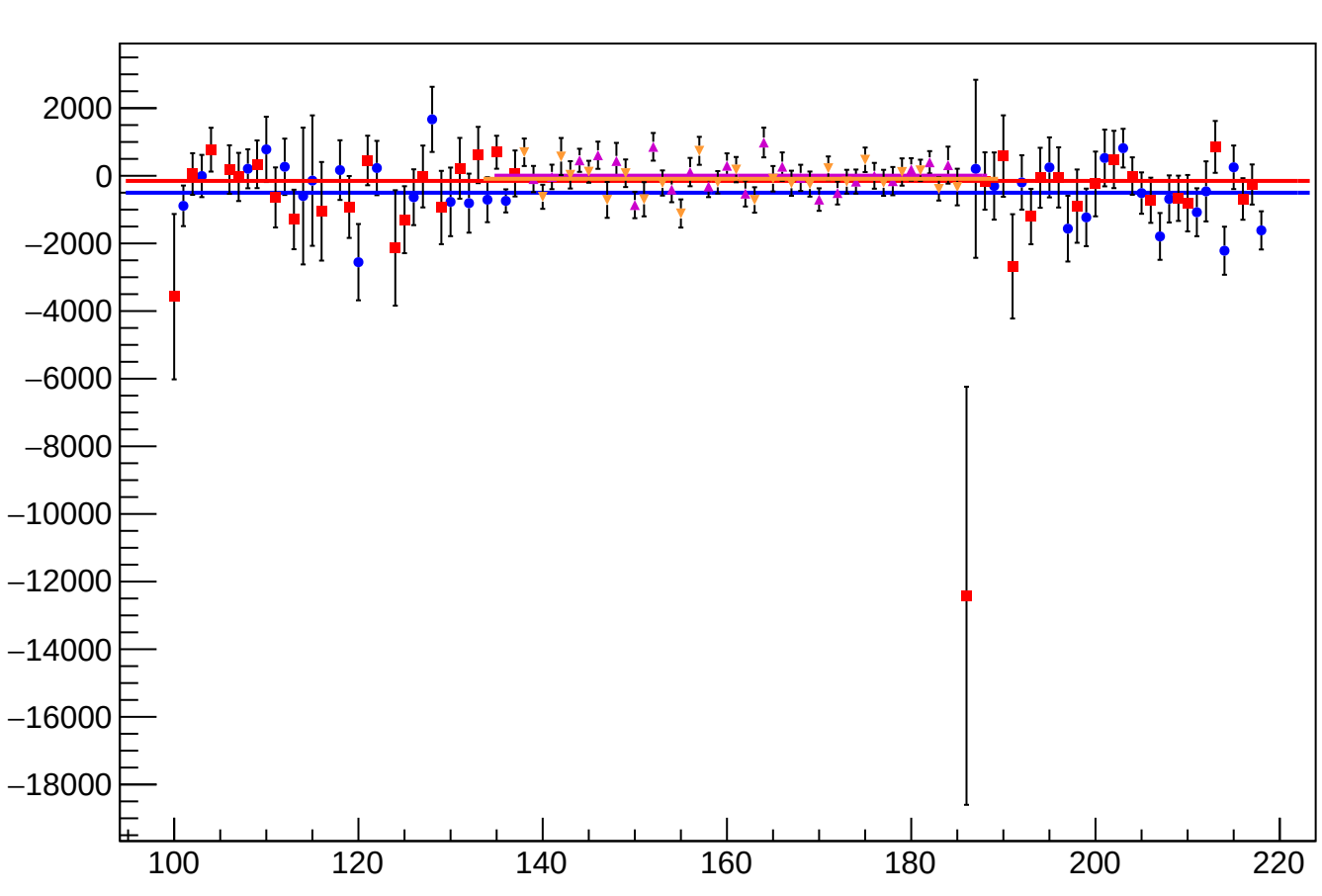
Right Out: 67.579+/-0.011 χ^2/NDF: 1999417.3/35

Left In: 57.933+/-0.010 χ^2/NDF:135903.0/22

+ sign 61.160+/-0.007 χ^2/NDF: 2060765.2/56

All: 61.653+/-0.005 χ^2/NDF: 4650851.8/115

- sign 62.173+/-0.007 χ^2/NDF: 2579854.9/58



Right In: -501.048+/-130.023 χ^2/NDF: 40.8/31

Left Out: -89.061+/-77.011 χ^2/NDF:29.9/24

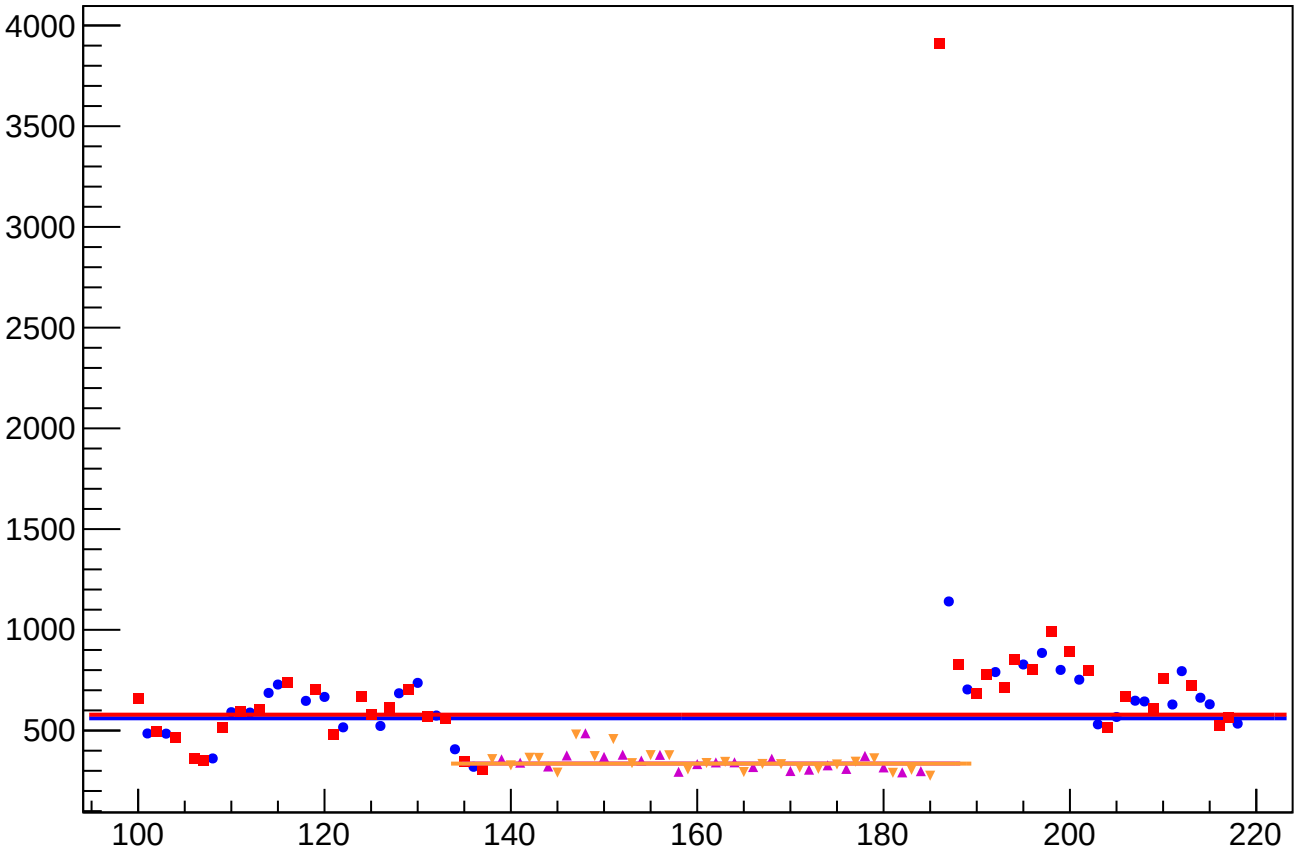
Right Out: -151.437+/-133.751 χ^2/NDF: 30.2/35

Left In: 3.047+/-79.193 χ^2/NDF:33.6/22

+ sign -196.054+/-66.261 χ^2/NDF: 78.1/56

All: -118.781+/-47.505 χ^2/NDF: 145.7/115

- sign -37.053+/-68.144 χ^2/NDF: 64.8/58



Right In: 560.770+/-0.092 χ^2/NDF: 2831541.9/31

Left Out: 335.894+/-0.054 χ^2/NDF:533835.9/24

Right Out: 578.882+/-0.095 χ^2/NDF: 3475497.6/35

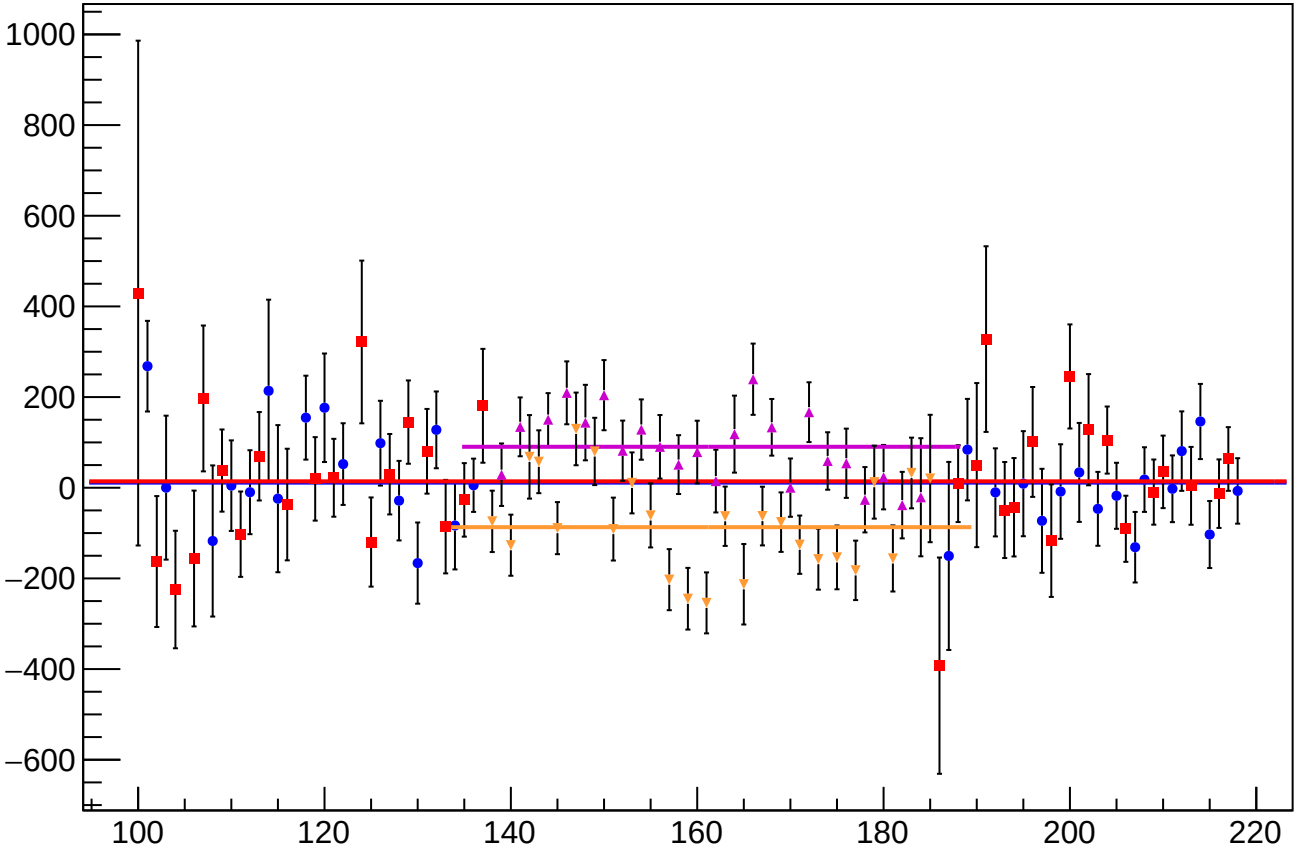
Left In: 336.343+/-0.056 χ^2/NDF:414205.9/22

+ sign 394.294+/-0.047 χ^2/NDF: 7794120.9/56

All: 396.727+/-0.034 χ^2/NDF: 16558819.6/11

- sign 399.300+/-0.048 χ^2/NDF: 8759151.6/58

dit_asym_sam_13_57_dd_mean vs Slug



Right In: 11.314+/-16.350 χ^2/NDF: 32.2/31

Left Out: -86.957+/-14.175 χ^2/NDF:48.8/24

Right Out: 14.142+/-16.780 χ^2/NDF: 37.3/35

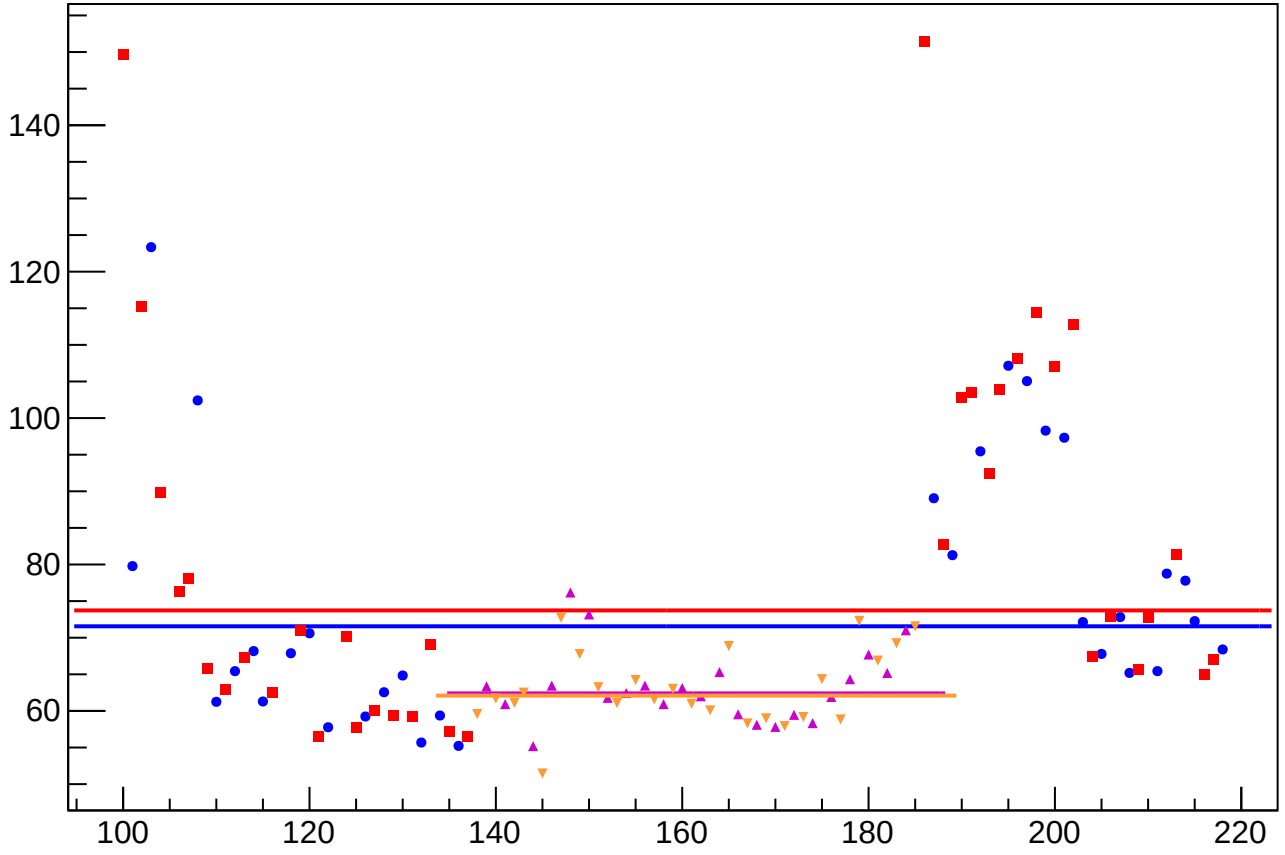
Left In: 90.363+/-14.656 χ^2/NDF:25.0/22

+ sign -44.789+/-10.710 χ^2/NDF: 101.6/56

All: 4.752+/-7.687 χ^2/NDF: 219.8/115

- sign 57.378+/-11.039 χ^2/NDF: 74.0/58

dit_asym_sam_13_57_dd_rms vs Slug



Right In: 71.559+/-0.012 χ^2/NDF: 1523975.2/31

Left Out: 62.093+/-0.010 χ^2/NDF:233343.0/24

Right Out: 73.729+/-0.012 χ^2/NDF: 2103389.8/35

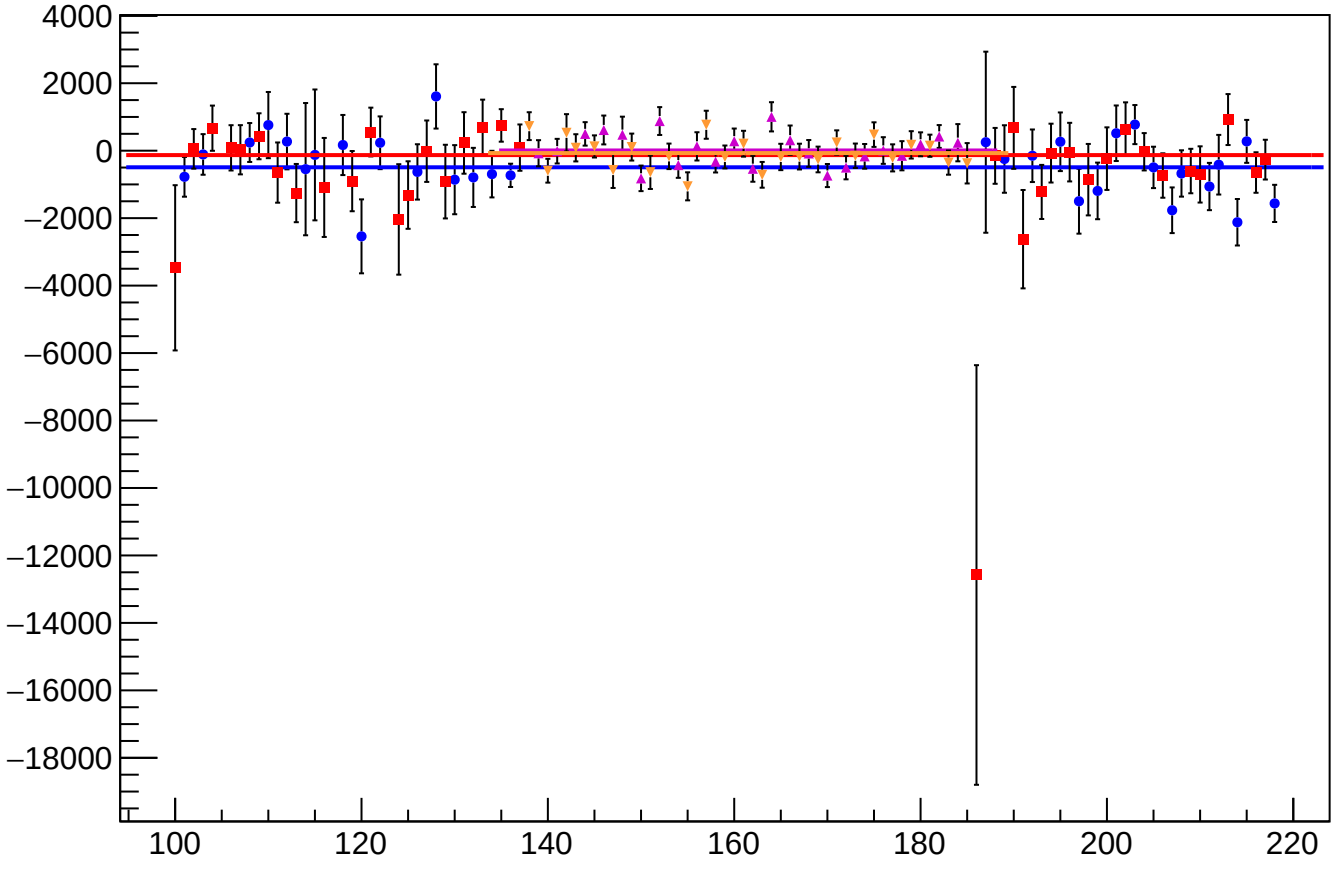
Left In: 62.395+/-0.010 χ^2/NDF:188814.3/22

+ sign 66.155+/-0.008 χ^2/NDF: 2140054.3/56

All: 66.710+/-0.005 χ^2/NDF: 4960904.9/115

- sign 67.300+/-0.008 χ^2/NDF: 2809769.0/58

asym_sam_13_57_dd_dit_correction_mean vs Slug



Right In: -492.444+/-129.149 χ^2/NDF: 39.6/31

Left Out: -71.324+/-78.399 χ^2/NDF:28.6/24

Right Out: -130.776+/-131.842 χ^2/NDF: 31.5/35

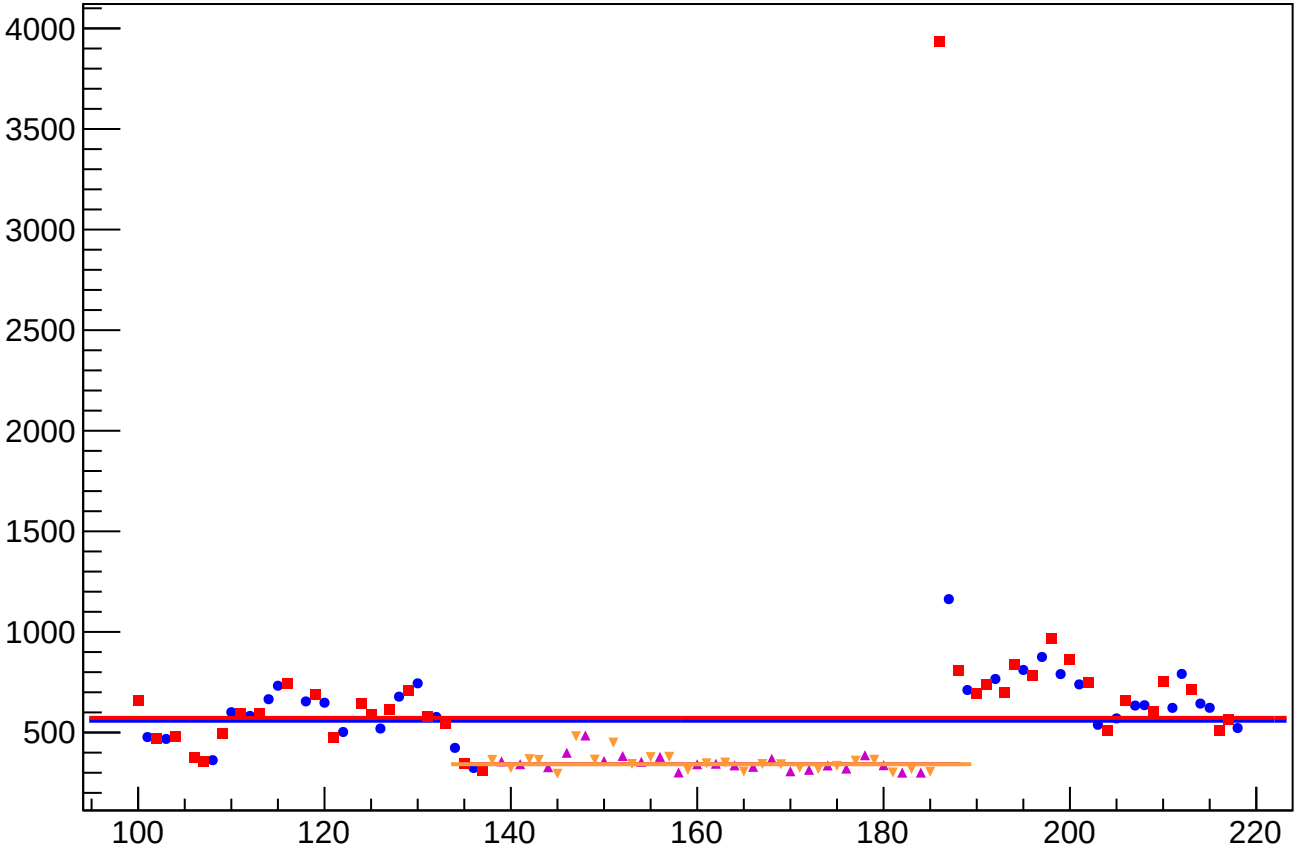
Left In: 6.134+/-80.760 χ^2/NDF:34.0/22

+ sign -184.721+/-67.018 χ^2/NDF: 76.0/56

All: -110.060+/-48.029 χ^2/NDF: 144.8/115

- sign -31.221+/-68.867 χ^2/NDF: 66.3/58

asym_sam_13_57_dd_dit_correction_rms vs Slug



Right In: 558.592+/-0.091 χ^2/NDF: 2687081.7/31

Left Out: 342.502+/-0.055 χ^2/NDF:434208.3/24

Right Out: 572.714+/-0.093 χ^2/NDF: 3323506.4/35

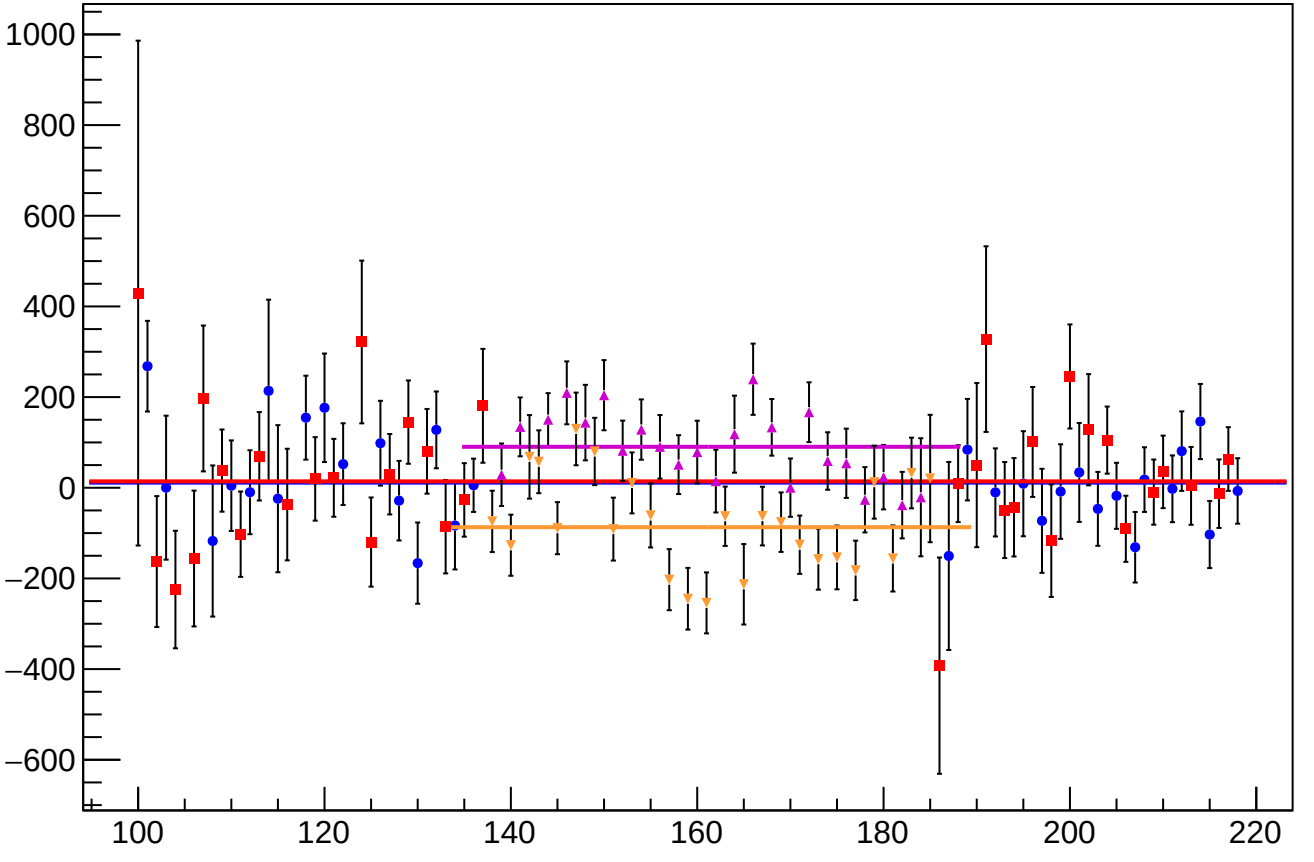
Left In: 343.245+/-0.057 χ^2/NDF:372991.6/22

+ sign 400.690+/-0.047 χ^2/NDF: 7212680.9/56

All: 403.202+/-0.034 χ^2/NDF: 15320490.3/11

- sign 405.854+/-0.049 χ^2/NDF: 8102034.2/58

eigen_dit_asym_sam_13_57_dd_mean vs Slug



Right In: 11.315+/-16.350 χ^2/NDF: 32.2/31

Left Out: -86.957+/-14.175 χ^2/NDF:48.8/24

Right Out: 14.142+/-16.780 χ^2/NDF: 37.3/35

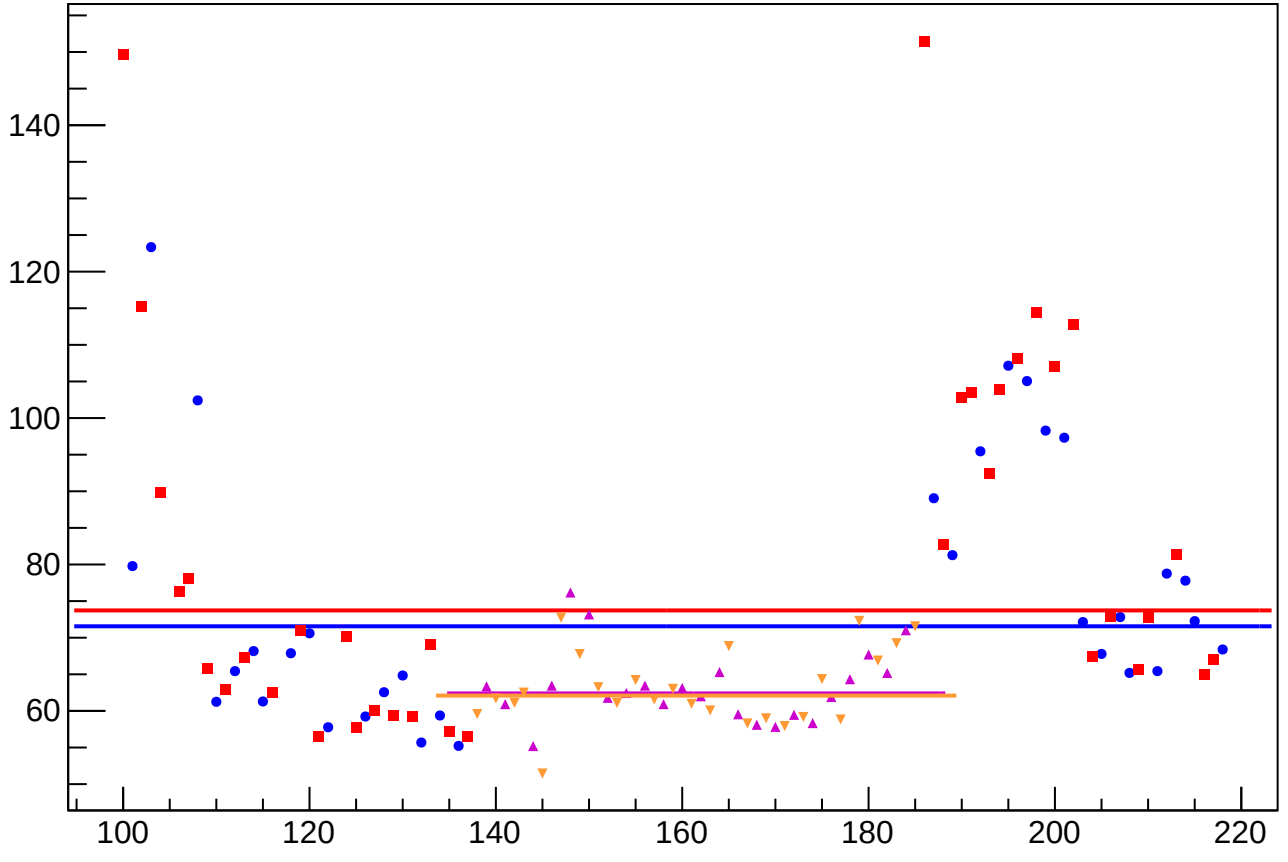
Left In: 90.363+/-14.656 χ^2/NDF:25.0/22

+ sign -44.788+/-10.710 χ^2/NDF: 101.6/56

All: 4.752+/-7.687 χ^2/NDF: 219.8/115

- sign 57.377+/-11.039 χ^2/NDF: 74.0/58

eigen_dit_asym_sam_13_57_dd_rms vs Slug



Right In: 71.559+/-0.012 χ^2/NDF: 1523997.7/31

Left Out: 62.093+/-0.010 χ^2/NDF:233347.2/24

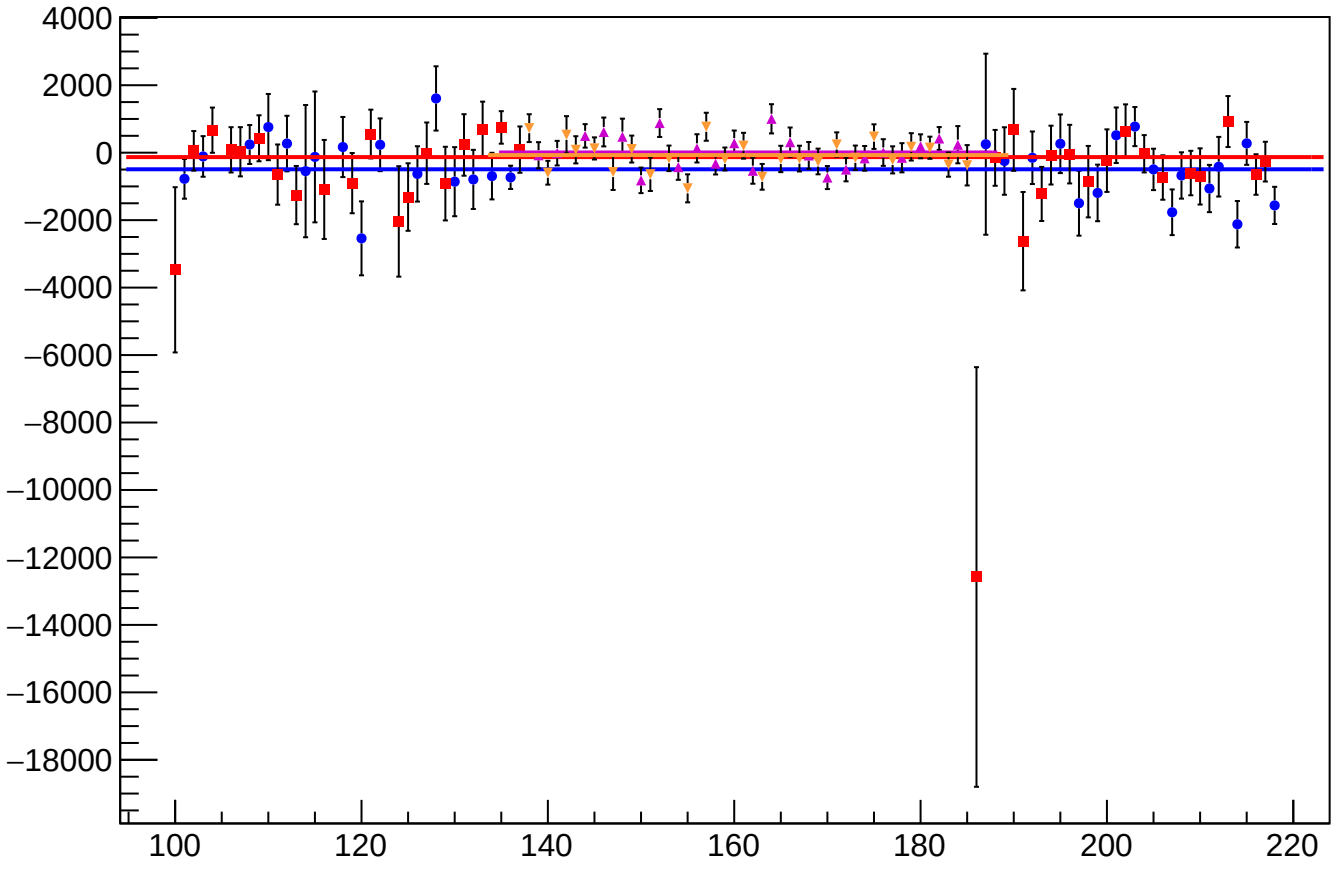
Right Out: 73.729+/-0.012 χ^2/NDF: 2103393.7/35

Left In: 62.395+/-0.010 χ^2/NDF:188817.4/22

+ sign 66.155+/-0.008 χ^2/NDF: 2140079.2/56

All: 66.710+/-0.005 χ^2/NDF: 4960929.7/115

- sign 67.300+/-0.008 χ^2/NDF: 2809768.8/58



Right In: -492.443+/-129.149 χ^2/NDF: 39.6/31

Left Out: -71.324+/-78.399 χ^2/NDF:28.6/24

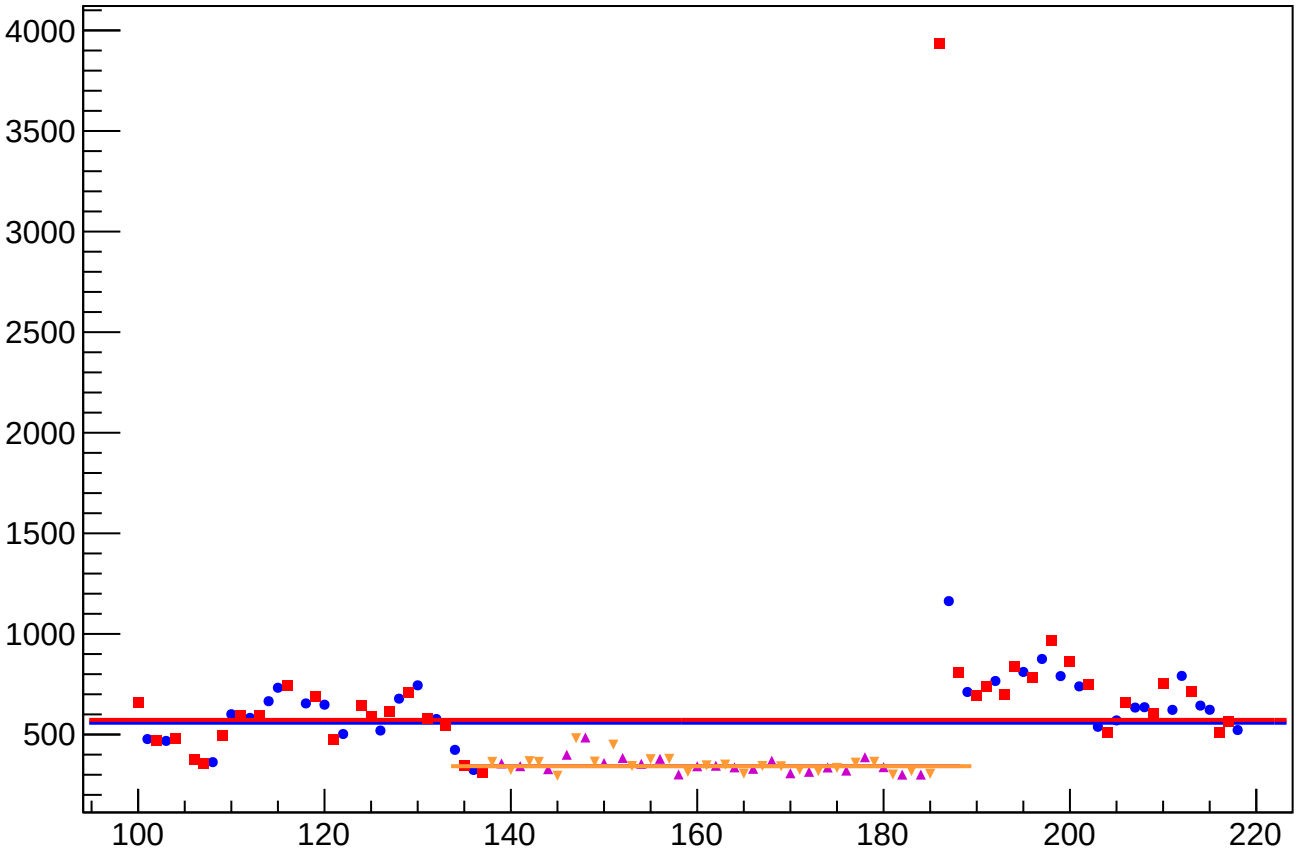
Right Out: -130.776+/-131.842 χ^2/NDF: 31.5/35

Left In: 6.134+/-80.760 χ^2/NDF:34.0/22

+ sign -184.721+/-67.018 χ^2/NDF: 76.0/56

All: -110.059+/-48.029 χ^2/NDF: 144.8/115

- sign -31.221+/-68.867 χ^2/NDF: 66.3/58



Right In: 558.592+/-0.091 χ^2/NDF: 2687085.1/31

Left Out: 342.502+/-0.055 χ^2/NDF:434210.5/24

Right Out: 572.713+/-0.093 χ^2/NDF: 3323512.1/35

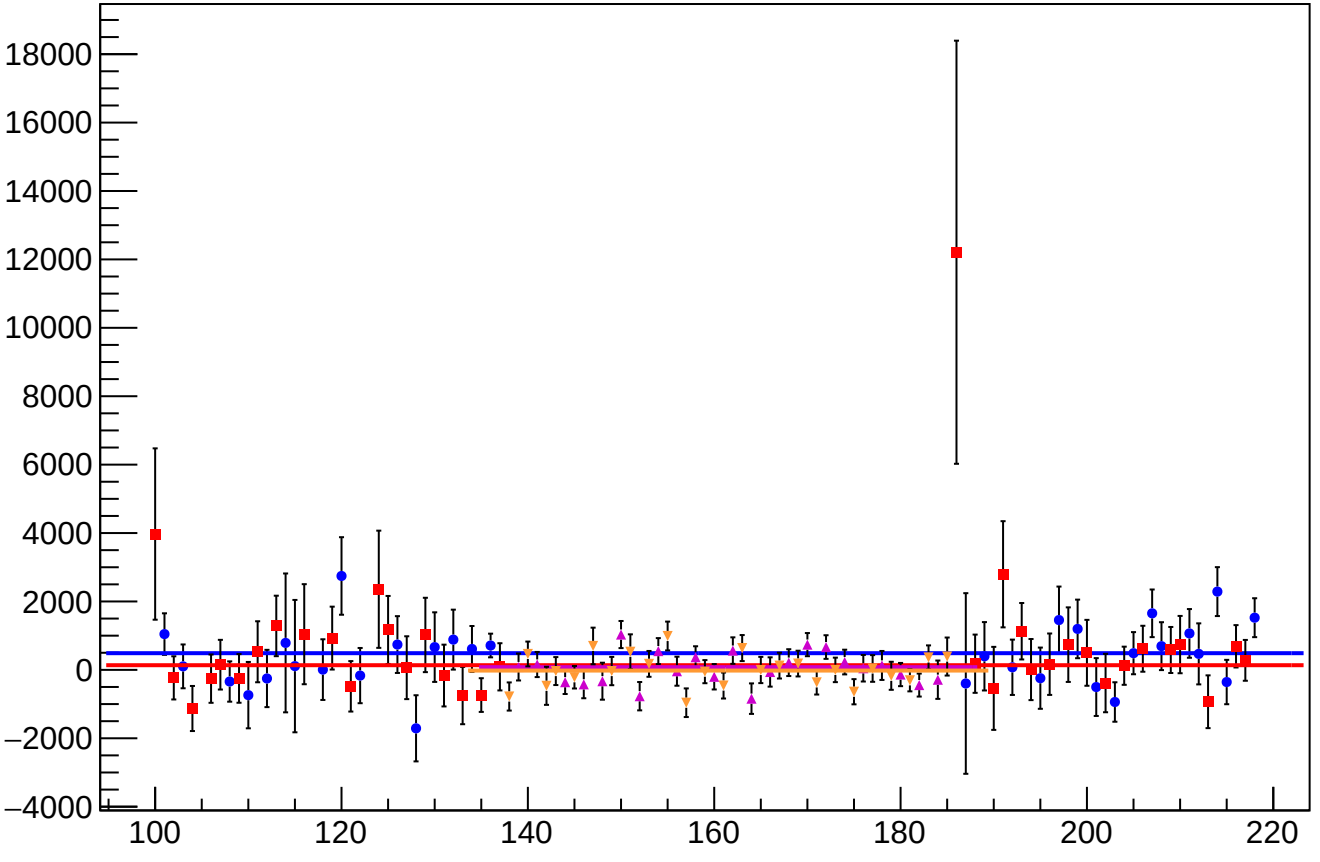
Left In: 343.245+/-0.057 χ^2/NDF:372993.5/22

+ sign 400.690+/-0.047 χ^2/NDF: 7212668.3/56

All: 403.202+/-0.034 χ^2/NDF: 15320459.3/11

- sign 405.854+/-0.049 χ^2/NDF: 8102015.6/58

asym_sam_13_57_dd_mean vs Slug



Right In: 487.905+/-131.196 χ^2/NDF: 41.6/31

Left Out: -20.272+/-78.196 χ^2/NDF:31.4/24

Right Out: 136.340+/-134.775 χ^2/NDF: 32.1/35

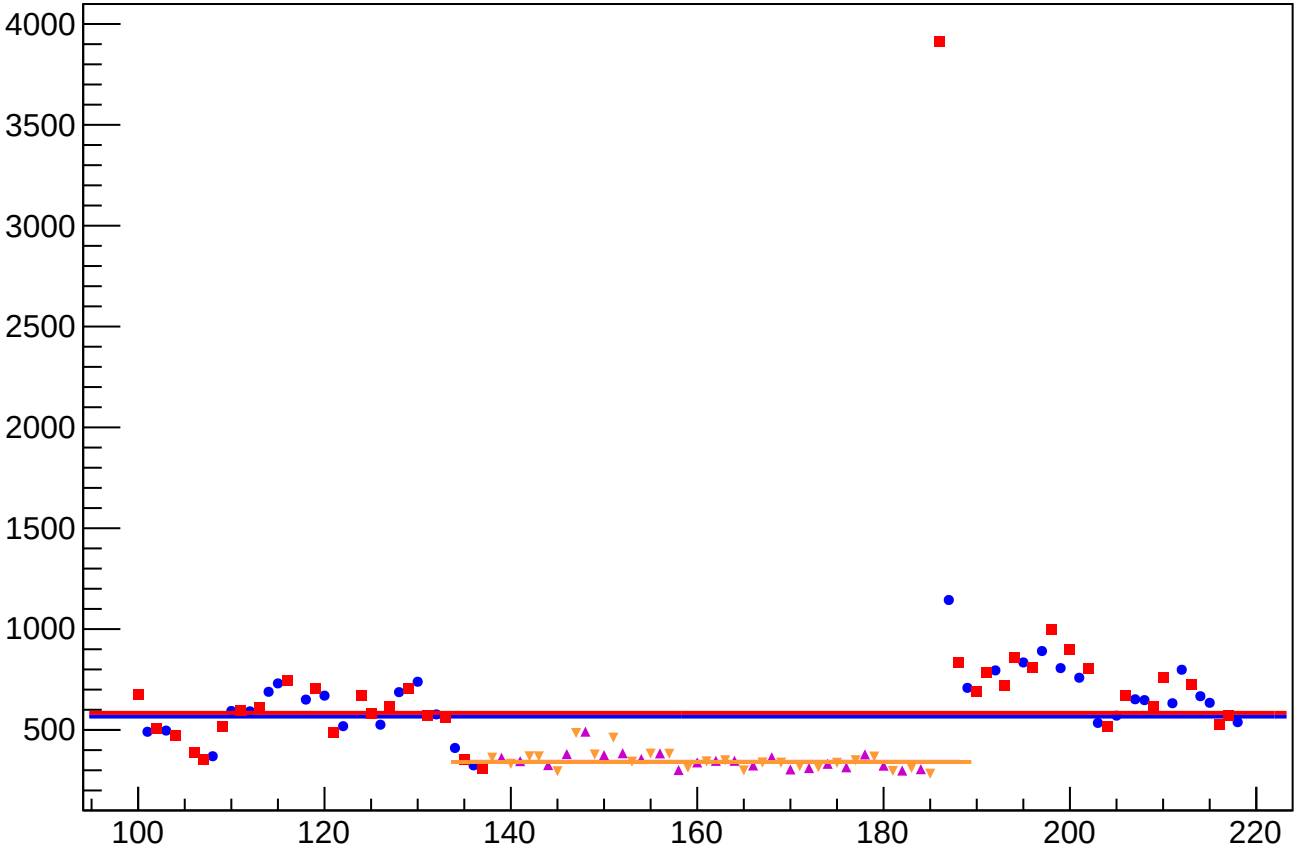
Left In: 78.719+/-80.410 χ^2/NDF:32.9/22

+ sign 112.935+/-67.170 χ^2/NDF: 84.1/56

All: 103.654+/-48.149 χ^2/NDF: 149.3/115

- sign 93.845+/-69.054 χ^2/NDF: 65.1/58

asym_sam_13_57_dd_rms vs Slug



Right In: 566.378+/-0.093 χ^2/NDF: 2763746.8/31

Left Out: 341.199+/-0.055 χ^2/NDF:510854.5/24

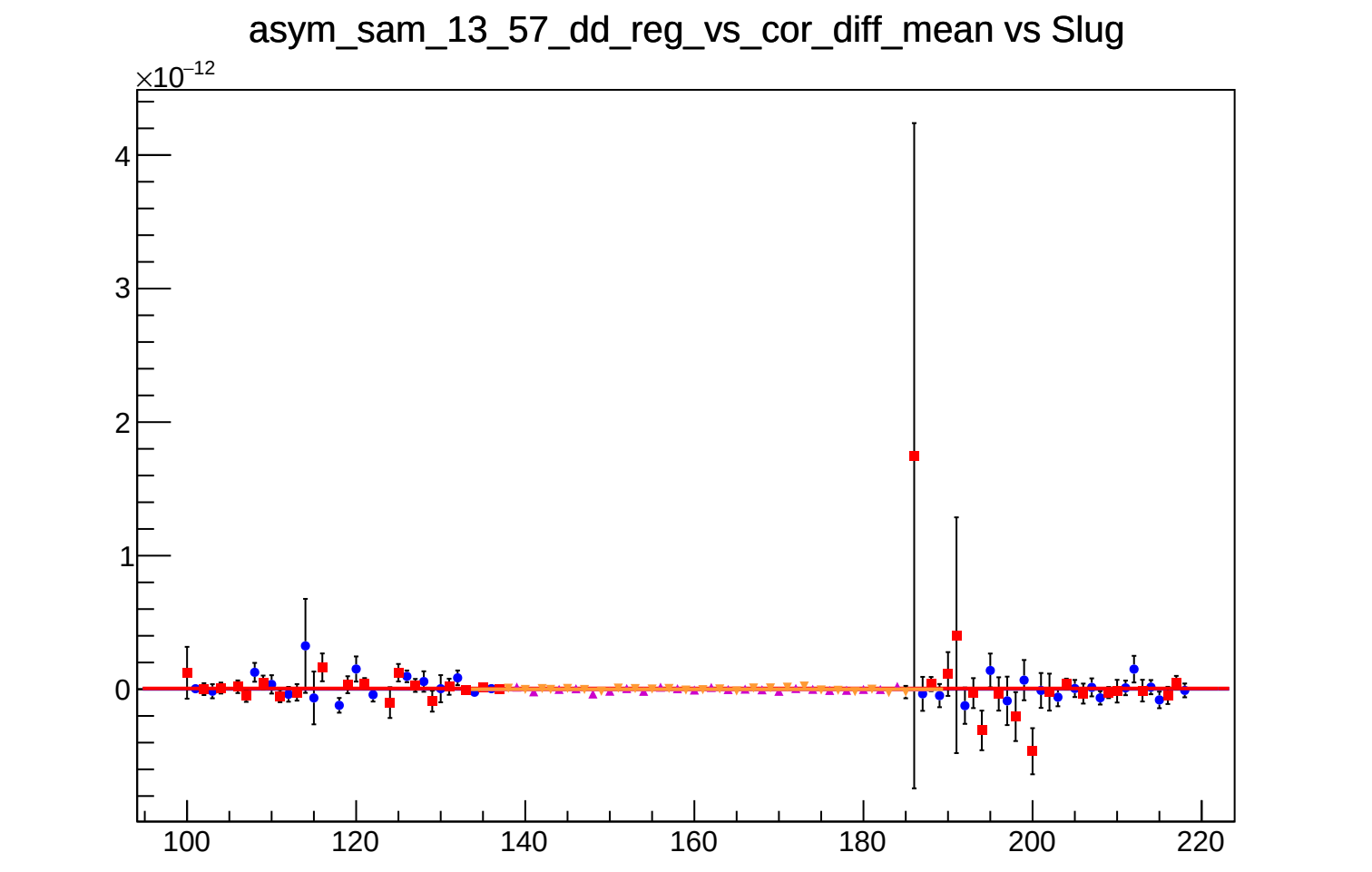
Right Out: 584.823+/-0.095 χ^2/NDF: 3388509.9/35

Left In: 341.622+/-0.057 χ^2/NDF:396885.0/22

+ sign 400.225+/-0.047 χ^2/NDF: 7621962.6/56

All: 402.773+/-0.034 χ^2/NDF: 16216057.6/1

- sign 405.466+/-0.049 χ^2/NDF: 8588174.2/58



Right In: 0.000+/-0.000 χ^2/NDF: 30.9/31

Left Out: -0.000+/-0.000 χ^2/NDF:19.2/24

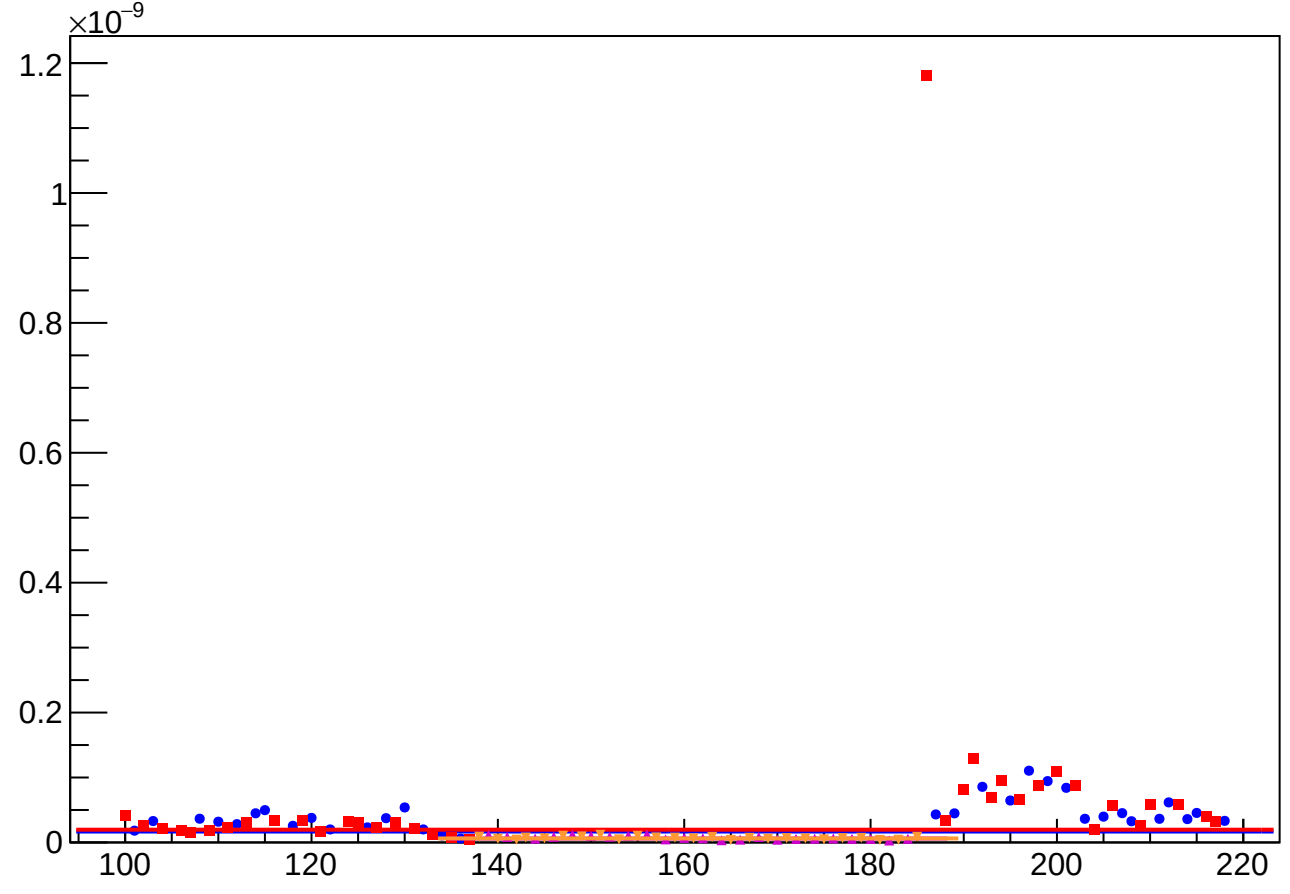
Right Out: 0.000+/-0.000 χ^2/NDF: 32.0/35

Left In: -0.000+/-0.000 χ^2/NDF:14.4/22

+ sign -0.000+/-0.000 χ^2/NDF: 50.2/56

All: -0.000+/-0.000 χ^2/NDF: 97.6/115

- sign -0.000+/-0.000 χ^2/NDF: 47.2/58



Right In: 0.000+/-0.000 χ^2/NDF: 8801139.4/31

Left Out: 0.000+/-0.000 χ^2/NDF:1159883.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7521830.7/35

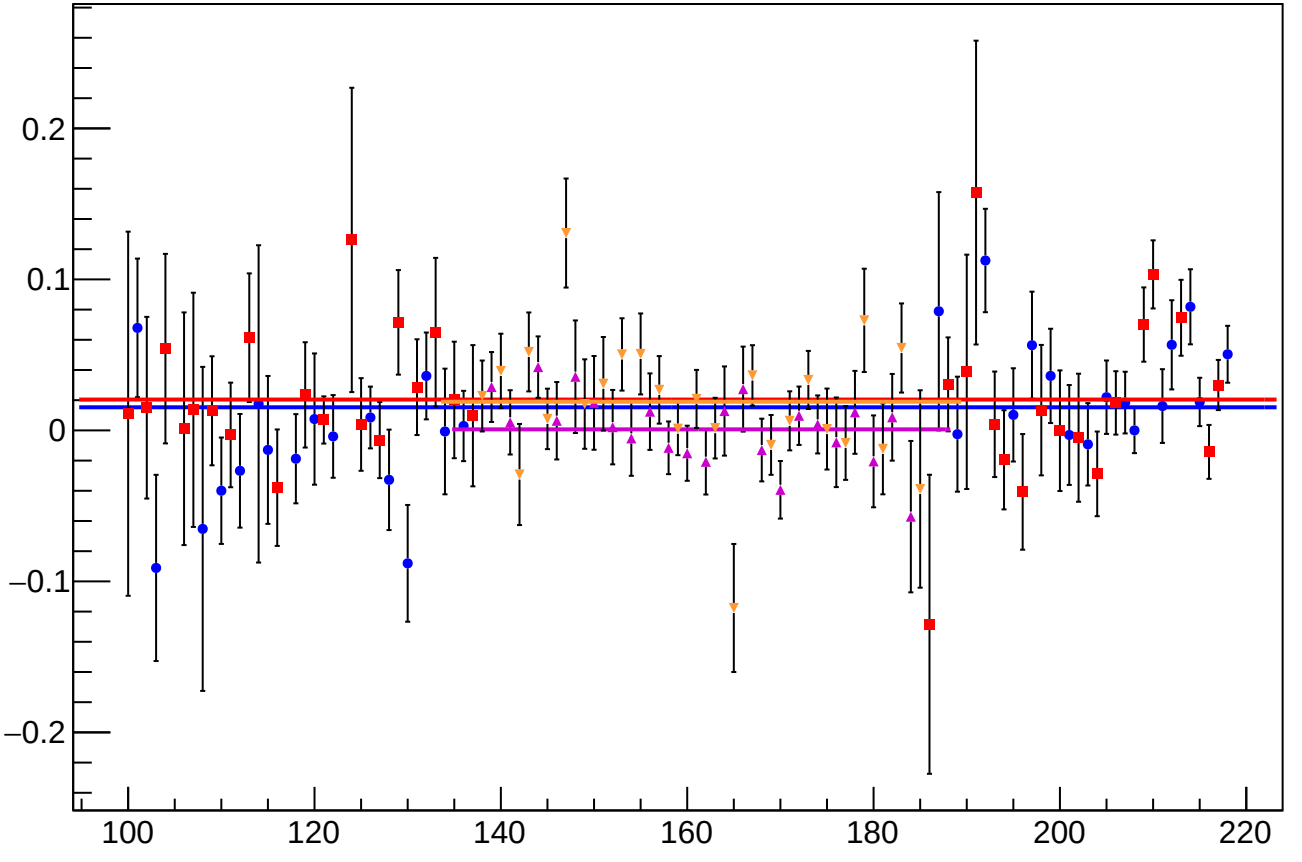
Left In: 0.000+/-0.000 χ^2/NDF:1660677.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 13696501.3/56

All: 0.000+/-0.000 χ^2/NDF: 27847993.7/115

- sign 0.000+/-0.000 χ^2/NDF: 14151140.1/58

asym_sam_13_57_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.015+/-0.005 χ^2/NDF: 46.7/31

Left Out: 0.019+/-0.005 χ^2/NDF:41.2/24

Right Out: 0.020+/-0.005 χ^2/NDF: 49.1/35

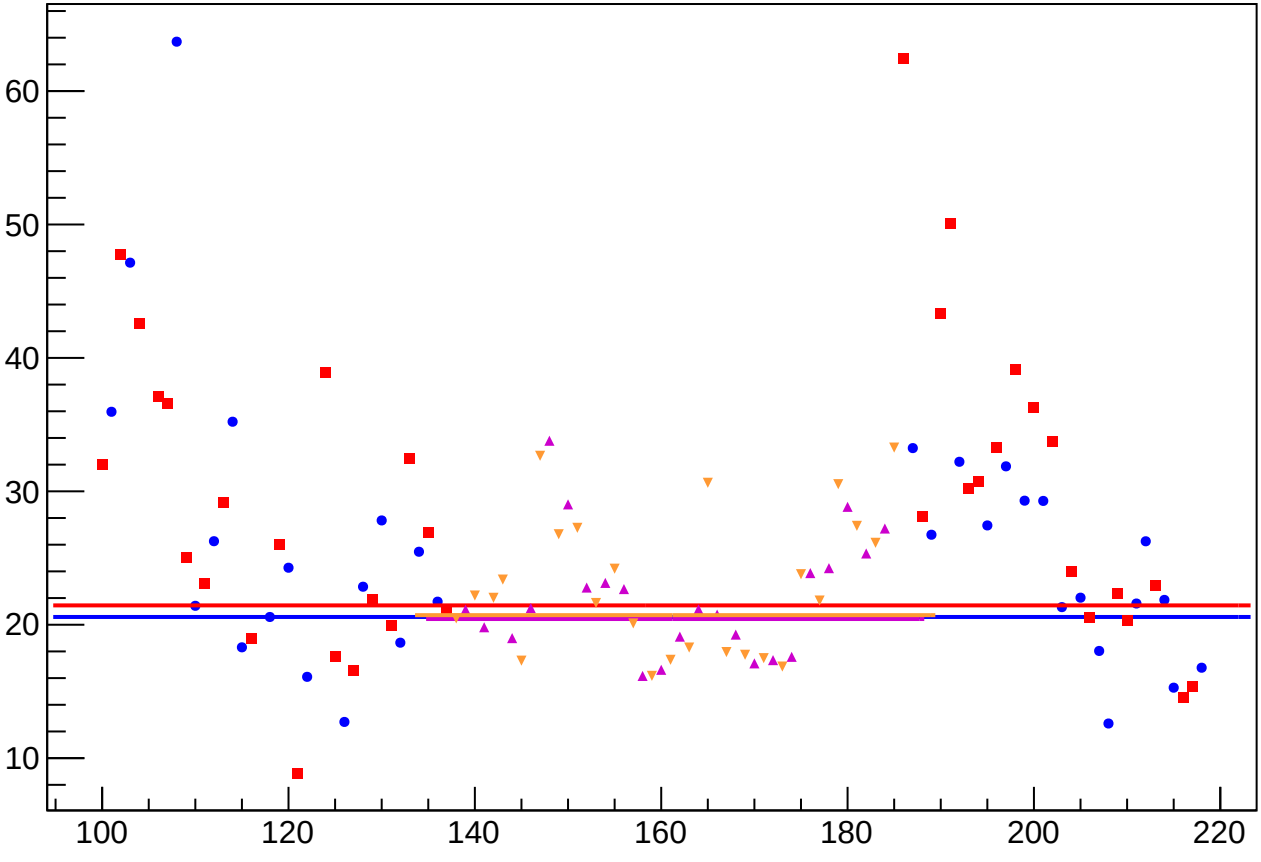
Left In: 0.001+/-0.005 χ^2/NDF:17.7/22

+ sign 0.017+/-0.003 χ^2/NDF: 88.1/56

All: 0.014+/-0.003 χ^2/NDF: 164.4/115

- sign 0.010+/-0.004 χ^2/NDF: 74.2/58

asym_sam_13_57_dd_dit_vs_cor_diff_rms vs Slug



Right In: 20.582+/-0.004 χ^2/NDF: 3409037.5/31

Left Out: 20.718+/-0.003 χ^2/NDF:1506374.1/24

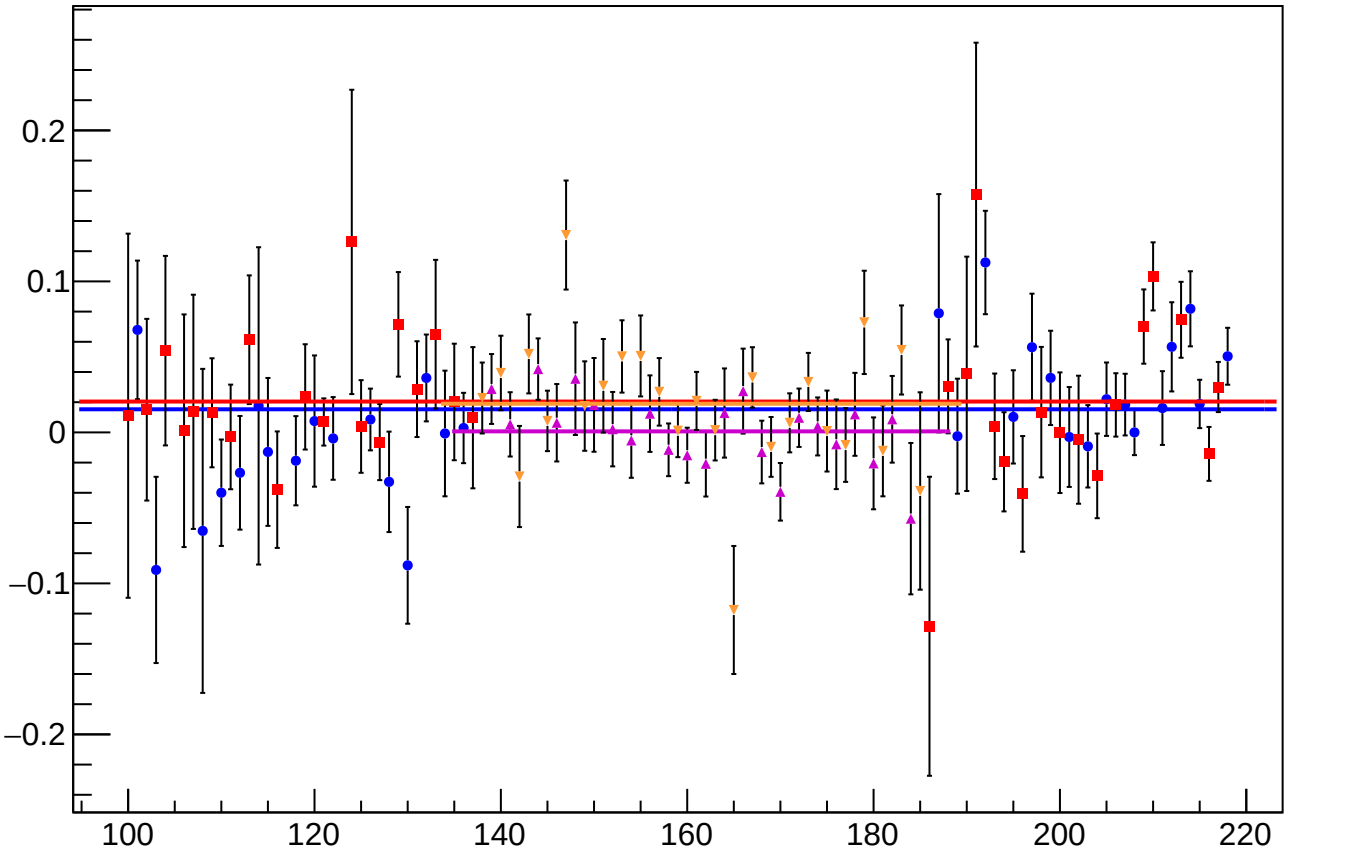
Right Out: 21.450+/-0.004 χ^2/NDF: 5143291.8/35

Left In: 20.429+/-0.003 χ^2/NDF:1173949.1/22

+ sign 20.652+/-0.002 χ^2/NDF: 4916165.5/56

All: 20.774+/-0.002 χ^2/NDF: 11278381.1/115

- sign 20.905+/-0.003 χ^2/NDF: 6357140.5/58



Right In: 0.015+/-0.005 χ^2/NDF: 46.7/31

Left Out: 0.019+/-0.005 χ^2/NDF:41.2/24

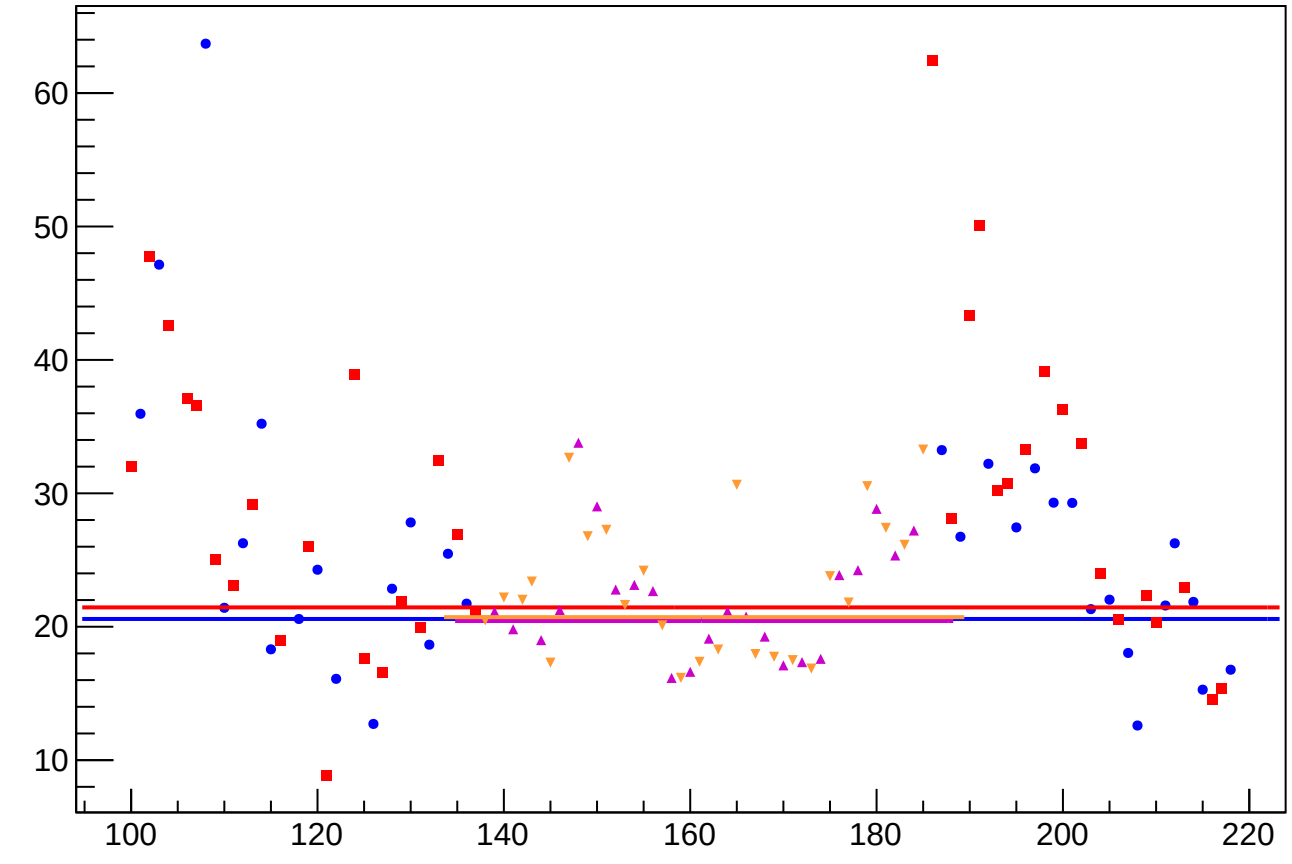
Right Out: 0.020+/-0.005 χ^2/NDF: 49.1/35

Left In: 0.001+/-0.005 χ^2/NDF:17.7/22

+ sign 0.017+/-0.003 χ^2/NDF: 88.1/56

All: 0.014+/-0.003 χ^2/NDF: 164.4/115

- sign 0.010+/-0.004 χ^2/NDF: 74.2/58



Right In: 20.582+/-0.004 χ^2/NDF: 3409037.5/31

Left Out: 20.718+/-0.003 χ^2/NDF:1506374.1/24

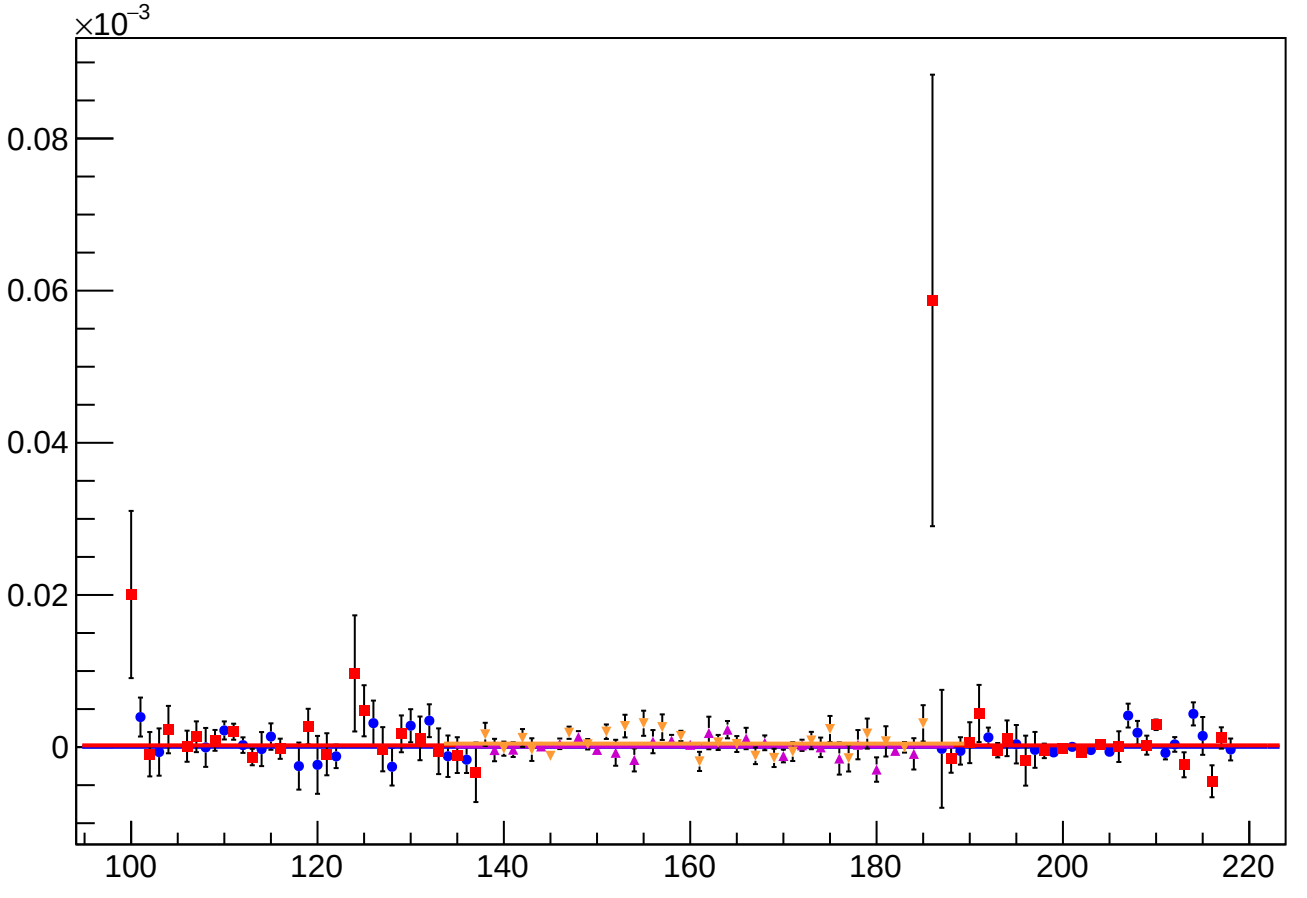
Right Out: 21.450+/-0.004 χ^2/NDF: 5143291.8/35

Left In: 20.429+/-0.003 χ^2/NDF:1173949.1/22

+ sign 20.652+/-0.002 χ^2/NDF: 4916165.5/56

All: 20.774+/-0.002 χ^2/NDF: 11278381.1/115

- sign 20.905+/-0.003 χ^2/NDF: 6357140.5/58



Right In: 0.000+/-0.000 χ^2/NDF: 38.6/31

Left Out: 0.000+/-0.000 χ^2/NDF:36.7/24

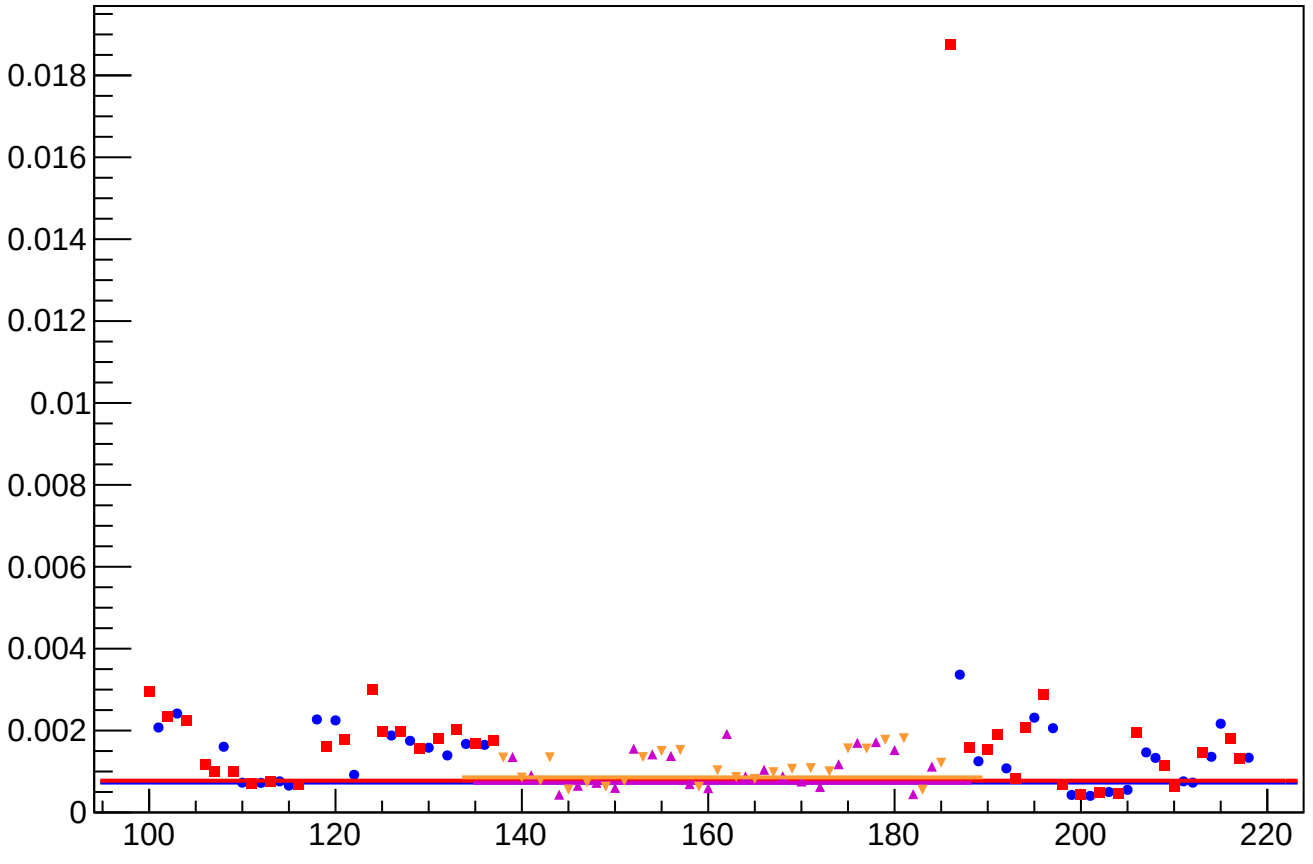
Right Out: 0.000+/-0.000 χ^2/NDF: 50.0/35

Left In: 0.000+/-0.000 χ^2/NDF:19.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 77.4/56

All: 0.000+/-0.000 χ^2/NDF: 147.5/115

- sign 0.000+/-0.000 χ^2/NDF: 69.8/58



Right In: 0.001+/-0.000 χ^2/NDF: 10615116.2/31

Left Out: 0.001+/-0.000 χ^2/NDF:4439075.2/24

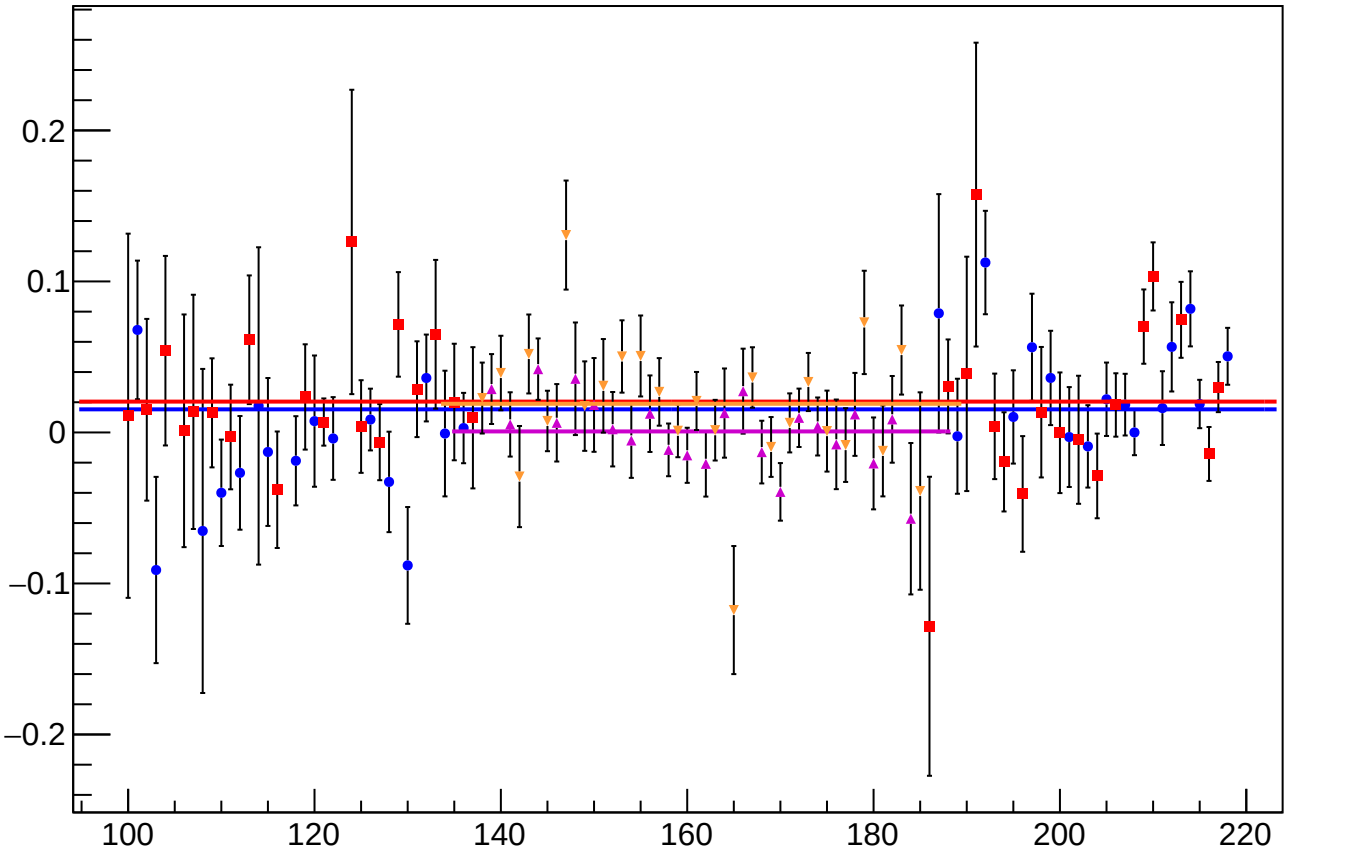
Right Out: 0.001+/-0.000 χ^2/NDF: 11003569.7/35

Left In: 0.001+/-0.000 χ^2/NDF:5805288.5/22

+ sign 0.001+/-0.000 χ^2/NDF: 15432085.9/56

All: 0.001+/-0.000 χ^2/NDF: 32390336.4/115

- sign 0.001+/-0.000 χ^2/NDF: 16872313.2/58



Right In: 0.015+/-0.005 χ^2/NDF: 46.7/31

Left Out: 0.019+/-0.005 χ^2/NDF:41.2/24

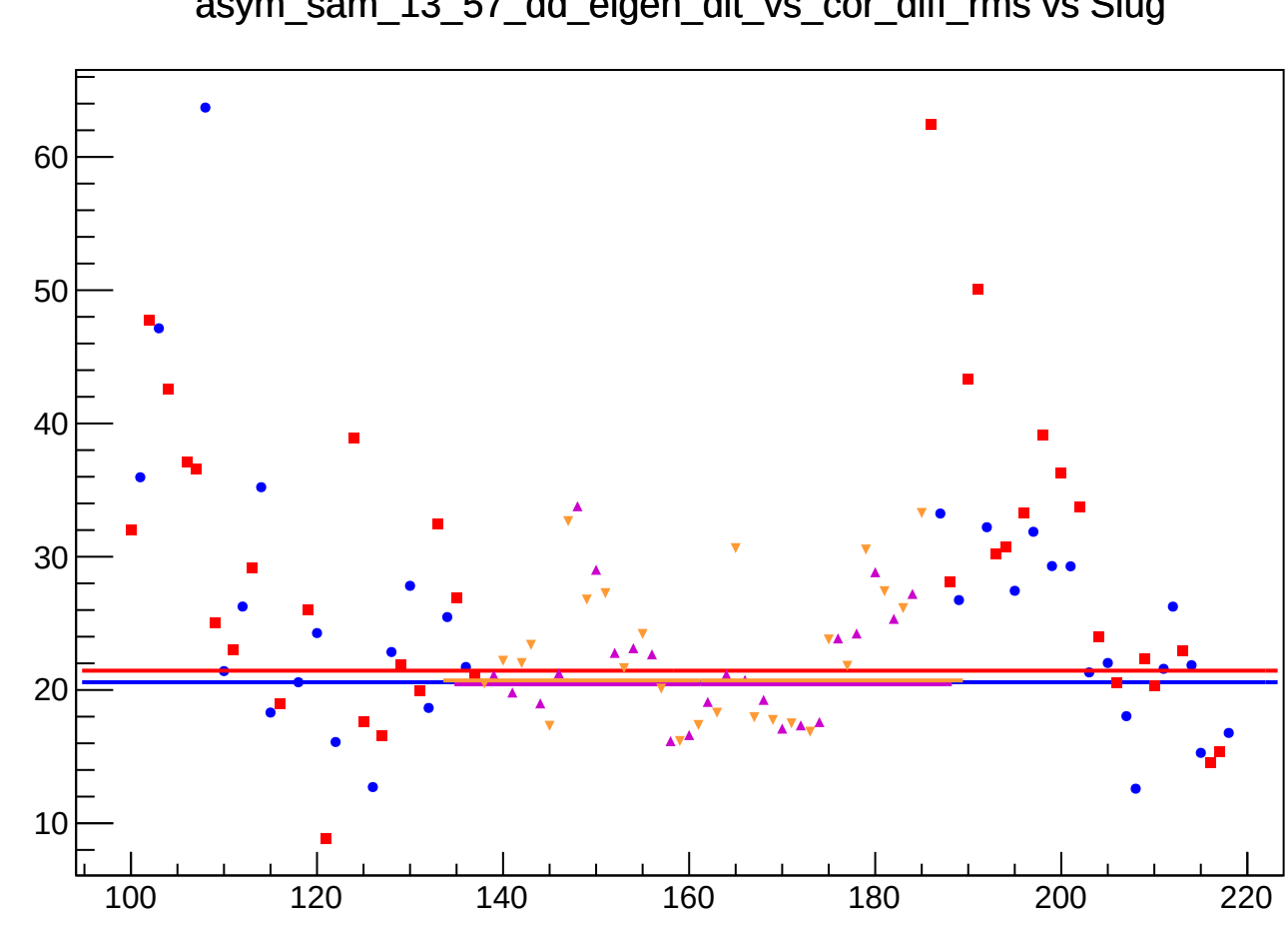
Right Out: 0.020+/-0.005 χ^2/NDF: 49.1/35

Left In: 0.001+/-0.005 χ^2/NDF:17.7/22

+ sign 0.017+/-0.003 χ^2/NDF: 88.1/56

All: 0.014+/-0.003 χ^2/NDF: 164.4/115

- sign 0.010+/-0.004 χ^2/NDF: 74.2/58



Right In: 20.583+/-0.004 χ^2/NDF: 3408897.4/31

Left Out: 20.718+/-0.003 χ^2/NDF:1506475.9/24

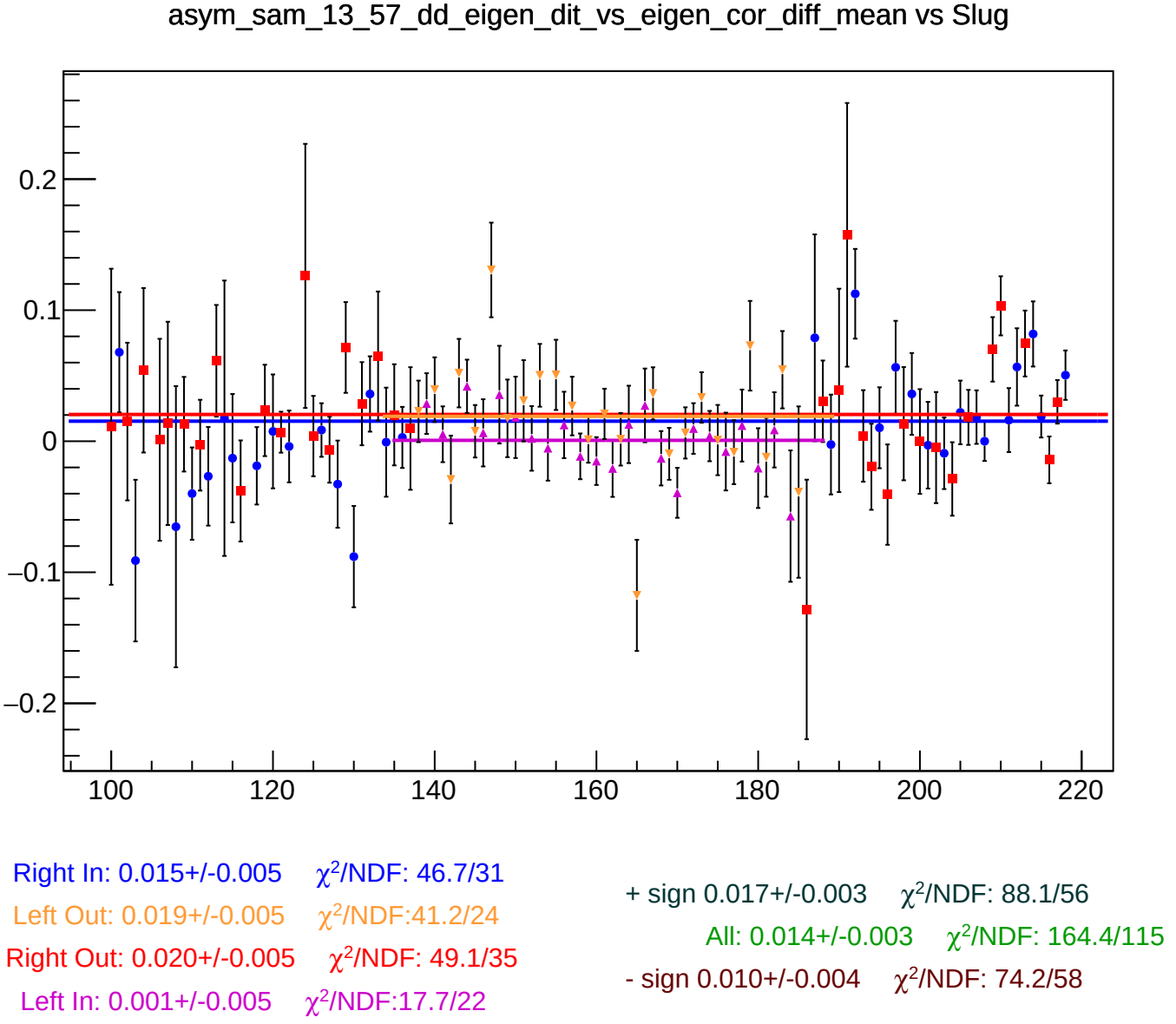
Right Out: 21.450+/-0.004 χ^2/NDF: 5142774.7/35

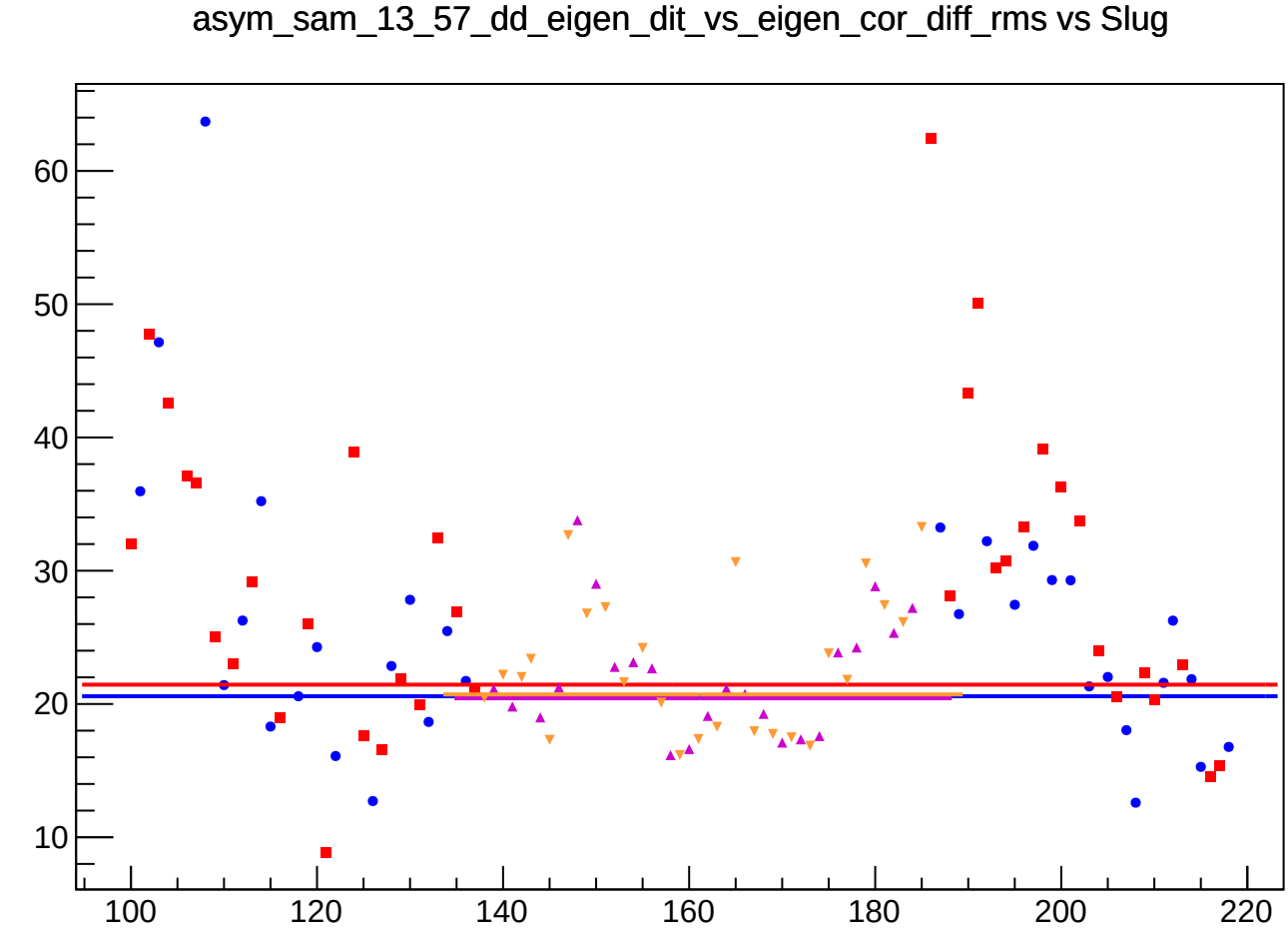
Left In: 20.429+/-0.003 χ^2/NDF:1173995.4/22

+ sign 20.652+/-0.002 χ^2/NDF: 4916123.6/56

All: 20.774+/-0.002 χ^2/NDF: 11277897.9/115

- sign 20.905+/-0.003 χ^2/NDF: 6356696.0/58


asym_sam_13_57_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug
0.2
0.1
0
−0.1
−0.2
100
120
140
160
180
200
220
Right In: 0.015+/-0.005 χ²/NDF: 46.7/31
Left Out: 0.019+/-0.005 χ²/NDF:41.2/24
Right Out: 0.020+/-0.005 χ²/NDF: 49.1/35
Left In: 0.001+/-0.005 χ²/NDF:17.7/22
+ sign 0.017+/-0.003 χ²/NDF: 88.1/56
All: 0.014+/-0.003 χ²/NDF: 164.4/115
- sign 0.010+/-0.004 χ²/NDF: 74.2/58



Right In: 20.583+/-0.004 χ^2/NDF: 3408897.4/31

Left Out: 20.718+/-0.003 χ^2/NDF:1506475.9/24

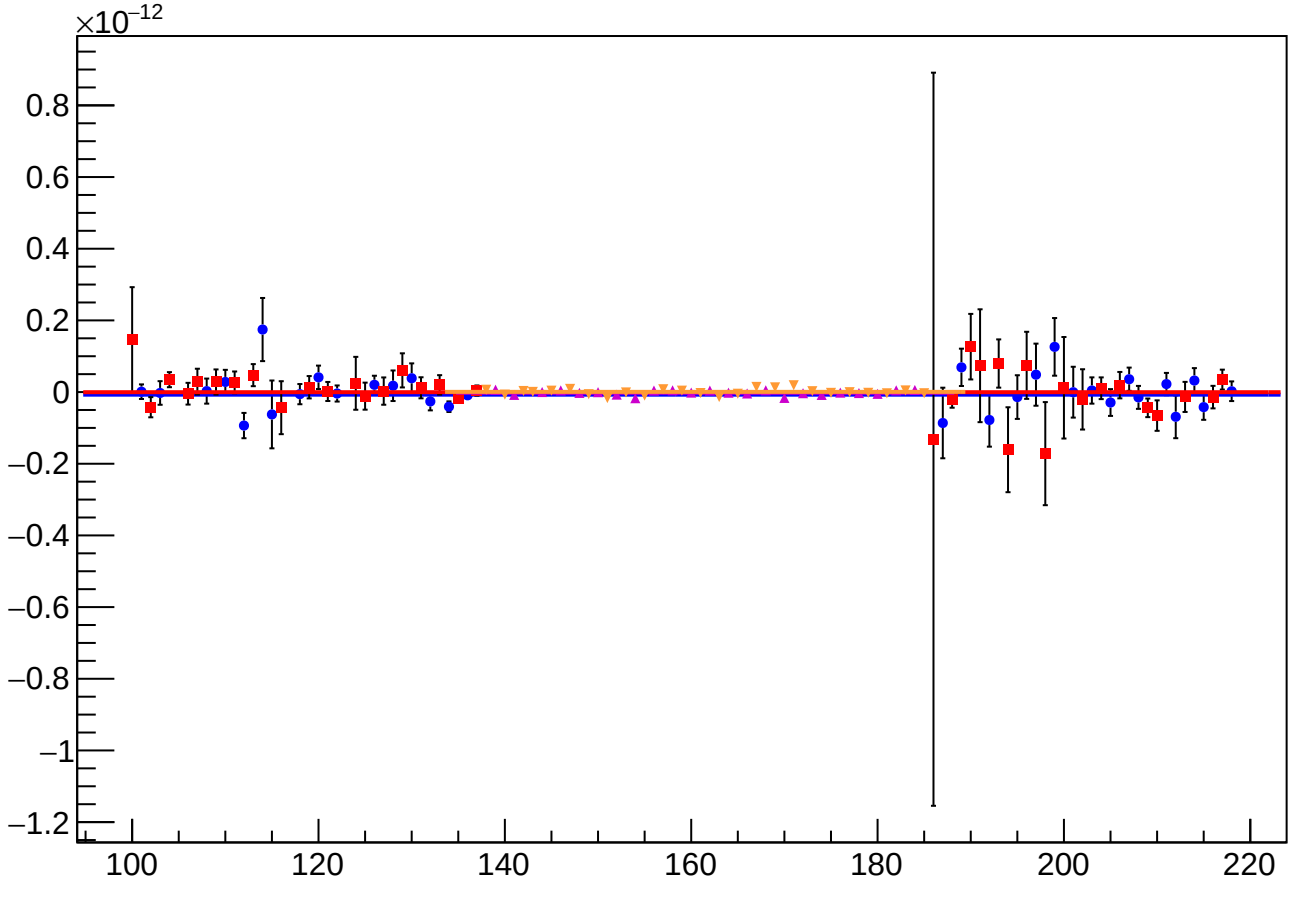
Right Out: 21.450+/-0.004 χ^2/NDF: 5142774.7/35

Left In: 20.429+/-0.003 χ^2/NDF:1173995.4/22

+ sign 20.652+/-0.002 χ^2/NDF: 4916123.6/56

All: 20.774+/-0.002 χ^2/NDF: 11277897.9/115

- sign 20.905+/-0.003 χ^2/NDF: 6356696.0/58



Right In: -0.000+/-0.000 χ^2/NDF: 36.2/31

Left Out: 0.000+/-0.000 χ^2/NDF:29.0/24

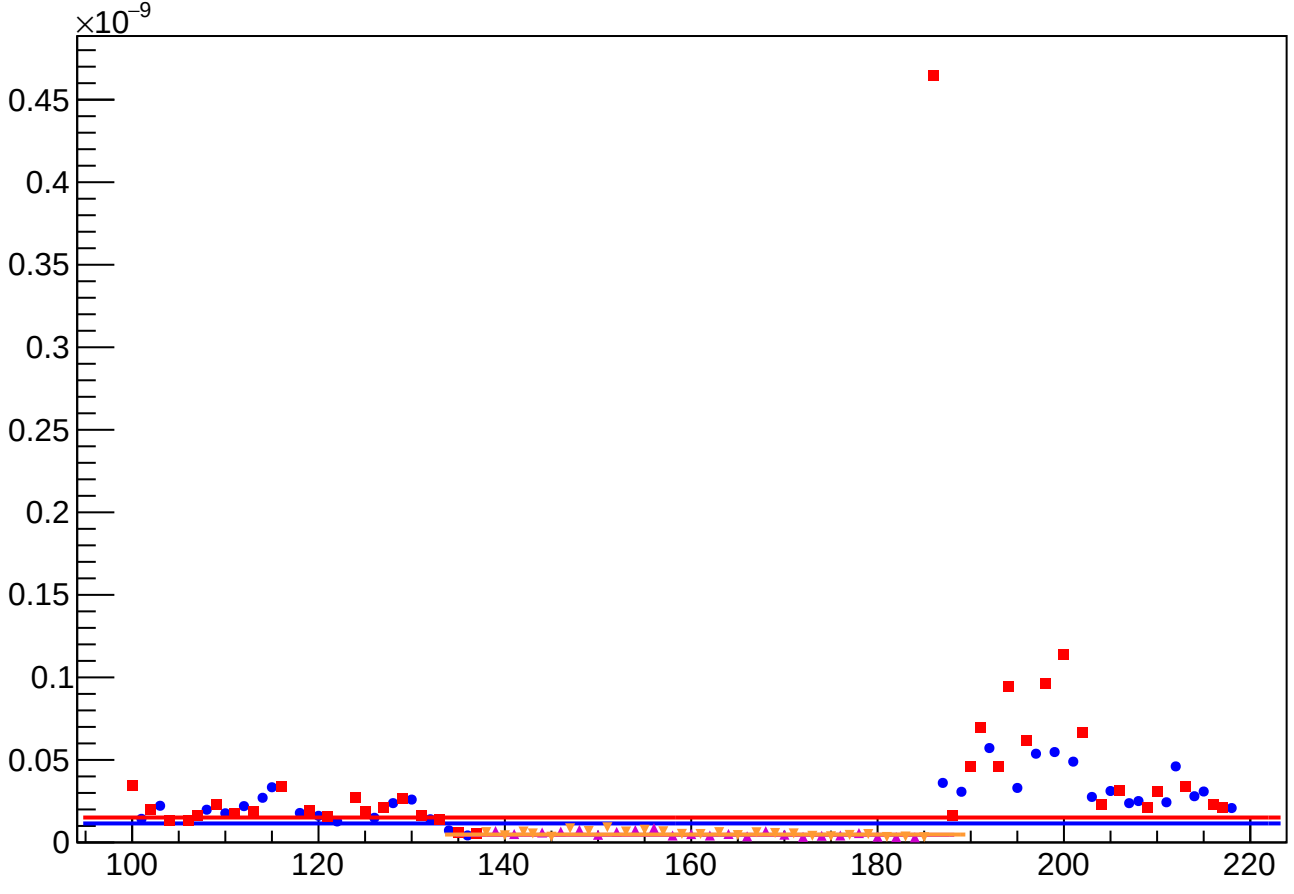
Right Out: -0.000+/-0.000 χ^2/NDF: 33.0/35

Left In: -0.000+/-0.000 χ^2/NDF:20.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 68.5/56

All: -0.000+/-0.000 χ^2/NDF: 122.7/115

- sign -0.000+/-0.000 χ^2/NDF: 53.6/58



Right In: 0.000+/-0.000 χ^2/NDF: 11630614.3/31

Left Out: 0.000+/-0.000 χ^2/NDF:2118264.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9946593.9/35

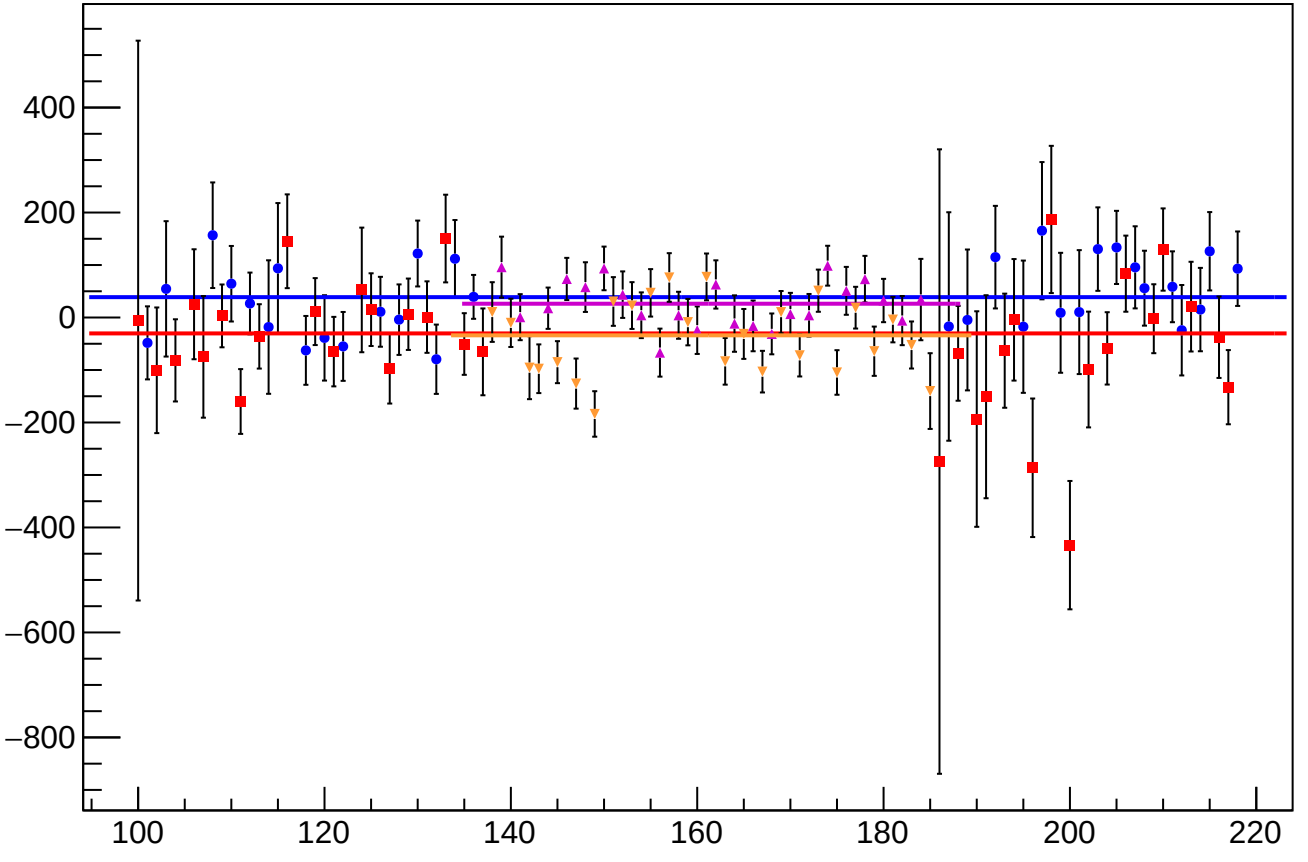
Left In: 0.000+/-0.000 χ^2/NDF:1908439.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 18555396.6/56

All: 0.000+/-0.000 χ^2/NDF: 38727221.6/115

- sign 0.000+/-0.000 χ^2/NDF: 20165364.7/58

reg_asym_sam_15_37_dd_mean vs Slug



Right In: 38.791+/-13.681 χ^2/NDF: 23.9/31

Left Out: -33.956+/-8.993 χ^2/NDF:58.7/24

Right Out: -30.296+/-13.843 χ^2/NDF: 46.3/35

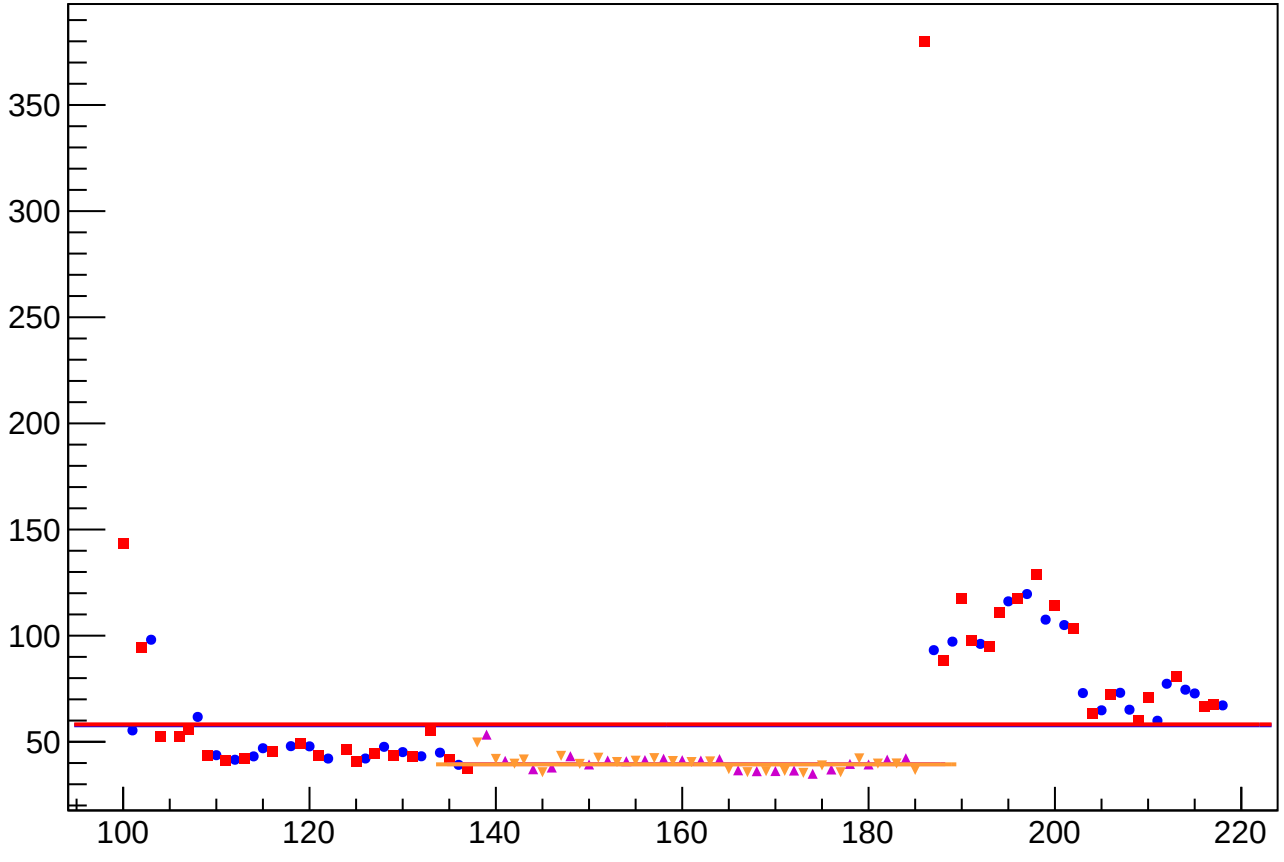
Left In: 26.267+/-9.271 χ^2/NDF:22.5/22

+ sign -12.006+/-7.515 χ^2/NDF: 102.3/56

All: -1.884+/-5.379 χ^2/NDF: 186.4/115

- sign 8.751+/-7.703 χ^2/NDF: 80.3/58

reg_asym_sam_15_37_dd_rms vs Slug



Right In: 57.794+/-0.010 χ^2/NDF: 4064243.4/31

Left Out: 39.383+/-0.006 χ^2/NDF:228799.9/24

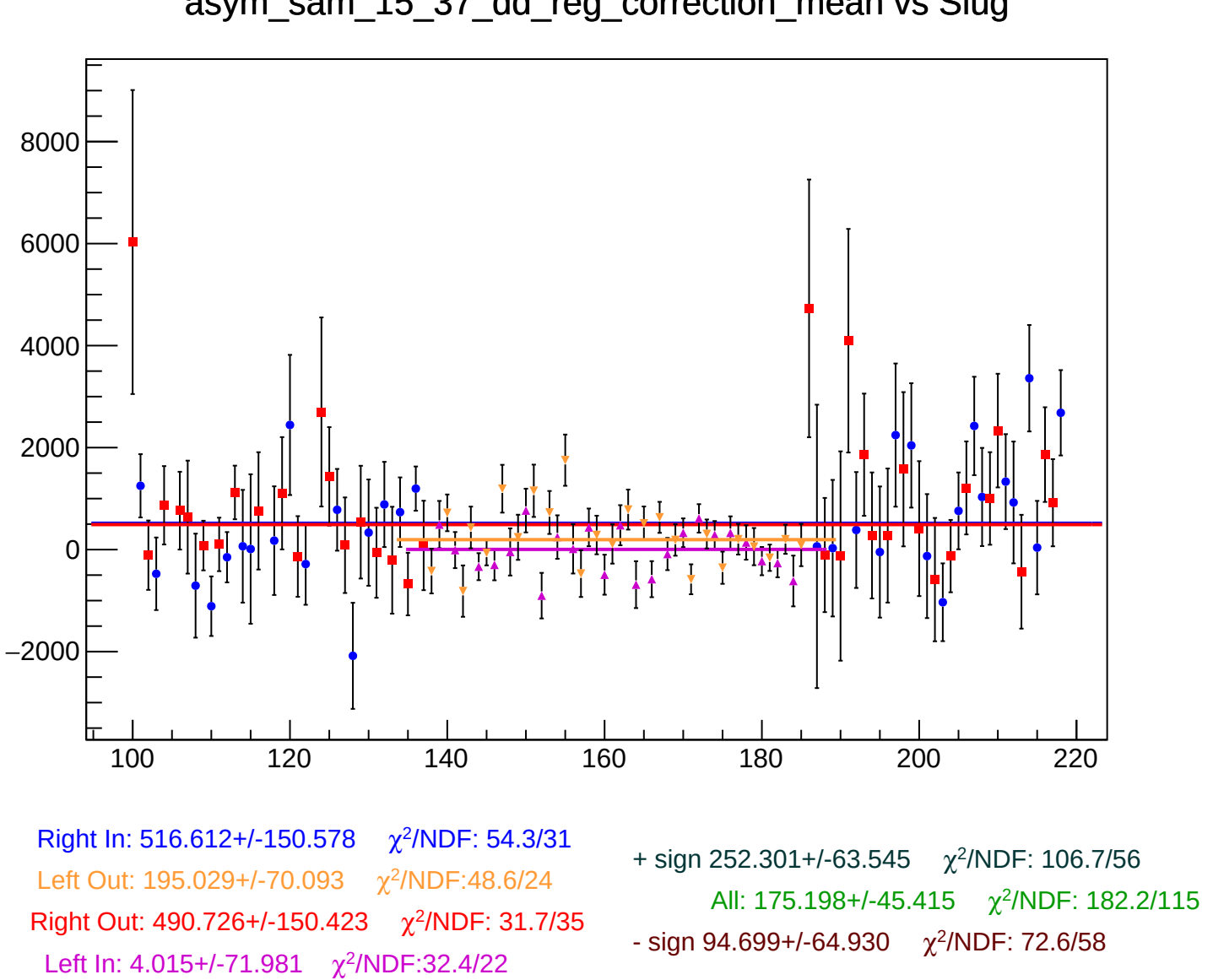
Right Out: 58.203+/-0.010 χ^2/NDF: 5256356.3/35

Left In: 39.491+/-0.007 χ^2/NDF:251801.8/22

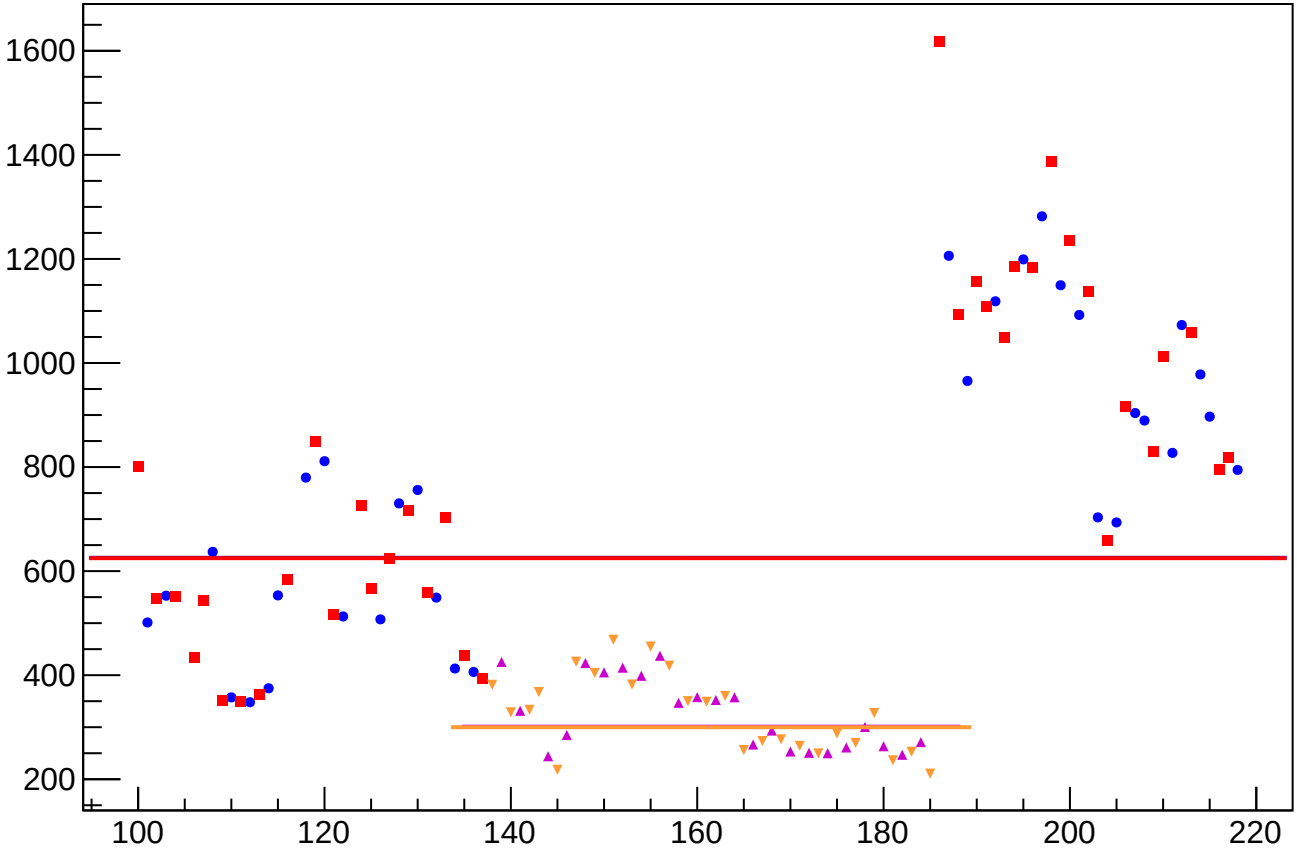
+ sign 44.938+/-0.005 χ^2/NDF: 6822128.9/56

All: 45.107+/-0.004 χ^2/NDF: 14855057.9/115

- sign 45.285+/-0.005 χ^2/NDF: 8030842.8/58


asym_sam_15_37_dd_reg_correction_mean vs Slug
8000
6000
4000
2000
0
−2000
100
120
140
160
180
200
220
Right In: 516.612+/-150.578 χ²/NDF: 54.3/31
Left Out: 195.029+/-70.093 χ²/NDF:48.6/24
Right Out: 490.726+/-150.423 χ²/NDF: 31.7/35
Left In: 4.015+/-71.981 χ²/NDF:32.4/22
+ sign 252.301+/-63.545 χ²/NDF: 106.7/56
All: 175.198+/-45.415 χ²/NDF: 182.2/115
- sign 94.699+/-64.930 χ²/NDF: 72.6/58

asym_sam_15_37_dd_reg_correction_rms vs Slug



Right In: 625.547+/-0.106 χ^2/NDF: 5507418.0/31

Left Out: 299.976+/-0.050 χ^2/NDF:1808461.5/24

Right Out: 624.906+/-0.106 χ^2/NDF: 6595169.2/35

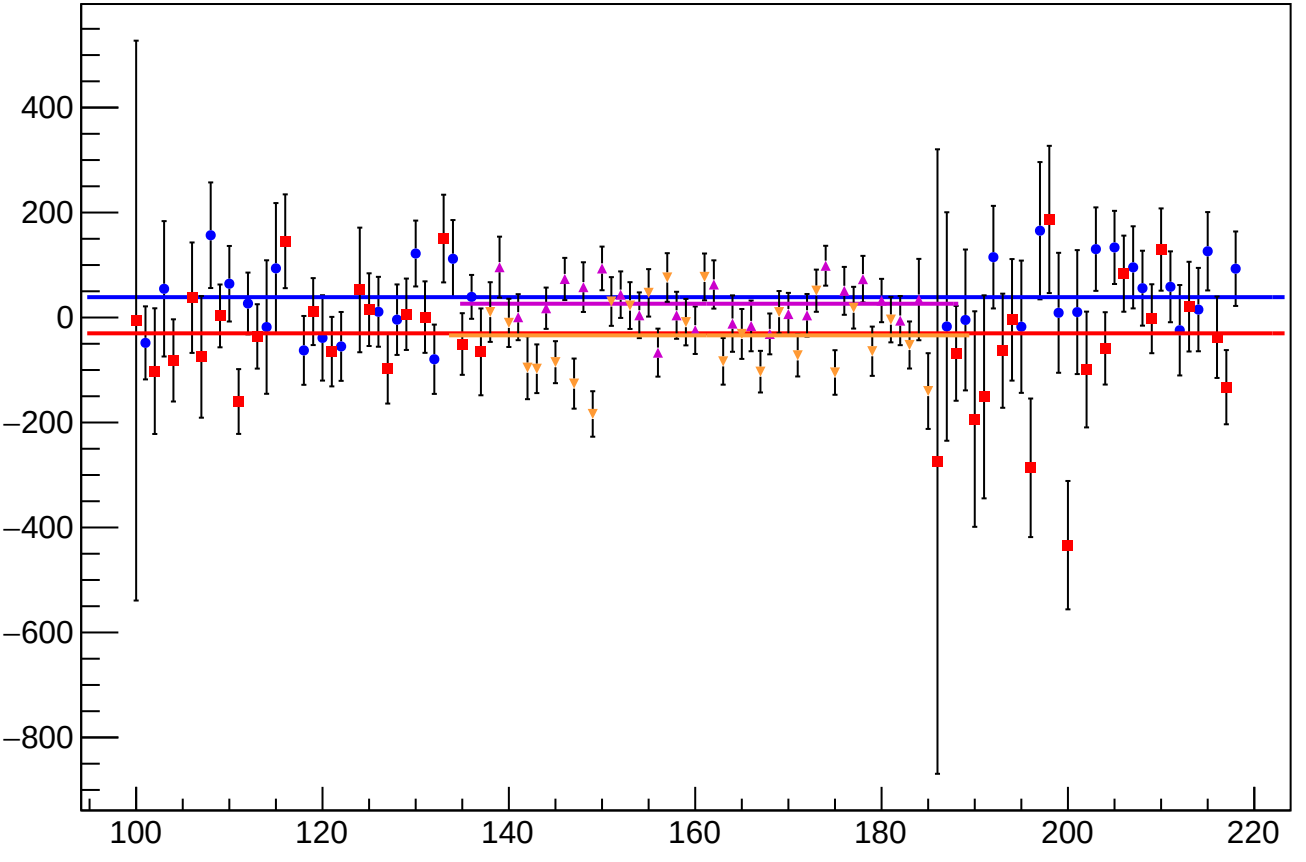
Left In: 301.000+/-0.051 χ^2/NDF:1407198.4/22

+ sign 357.958+/-0.045 χ^2/NDF: 15000470.7/56

All: 359.618+/-0.032 χ^2/NDF: 30551239.8/11

- sign 361.350+/-0.046 χ^2/NDF: 15547981.7/58

cor_asym_sam_15_37_dd_mean vs Slug



Right In: 38.795+/-13.681 χ^2/NDF: 23.9/31

Left Out: -33.955+/-8.993 χ^2/NDF:58.7/24

Right Out: -30.107+/-13.844 χ^2/NDF: 46.5/35

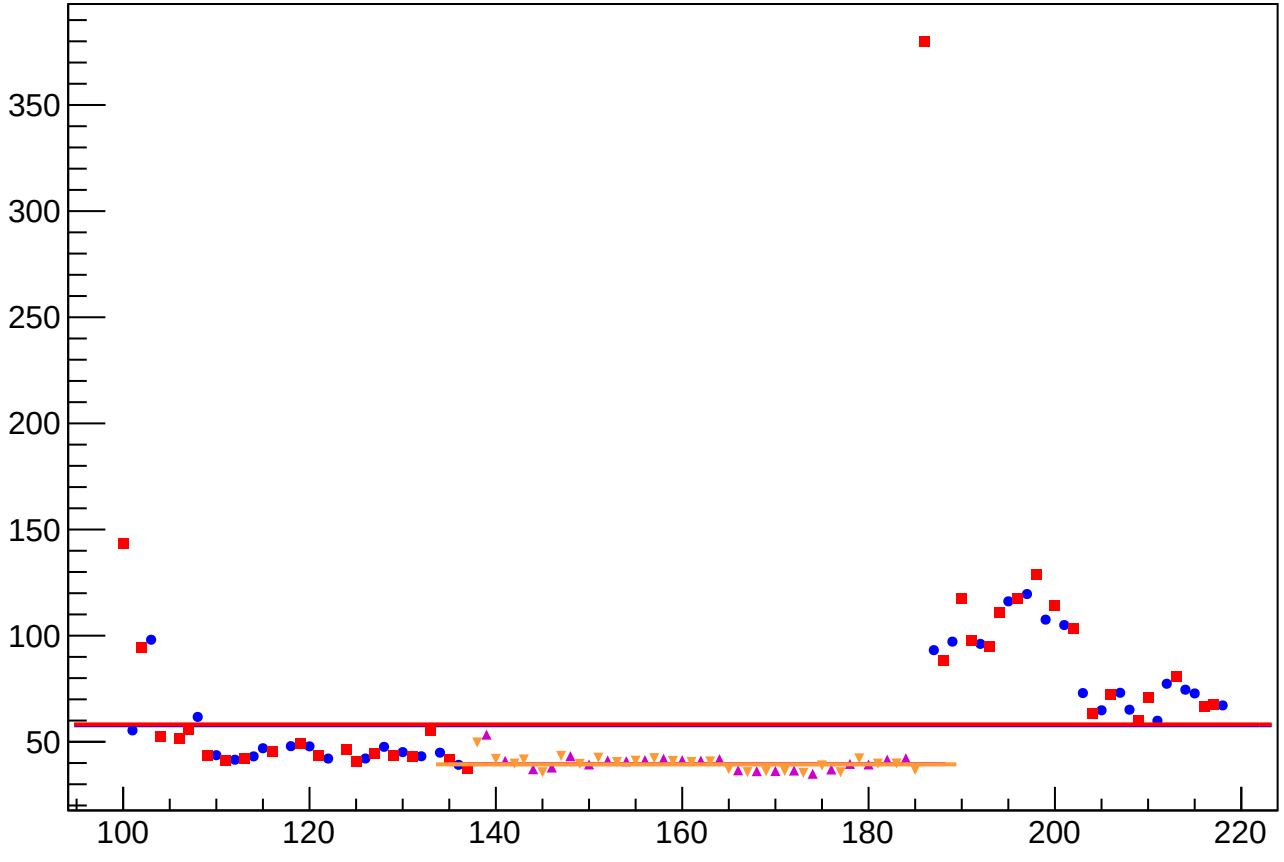
Left In: 26.267+/-9.271 χ^2/NDF:22.5/22

+ sign -12.004+/-7.515 χ^2/NDF: 102.3/56

All: -1.854+/-5.379 χ^2/NDF: 186.5/115

- sign 8.811+/-7.704 χ^2/NDF: 80.4/58

cor_asym_sam_15_37_dd_rms vs Slug



Right In: 57.794+/-0.010 χ^2/NDF: 4064246.5/31

Left Out: 39.383+/-0.006 χ^2/NDF:228799.9/24

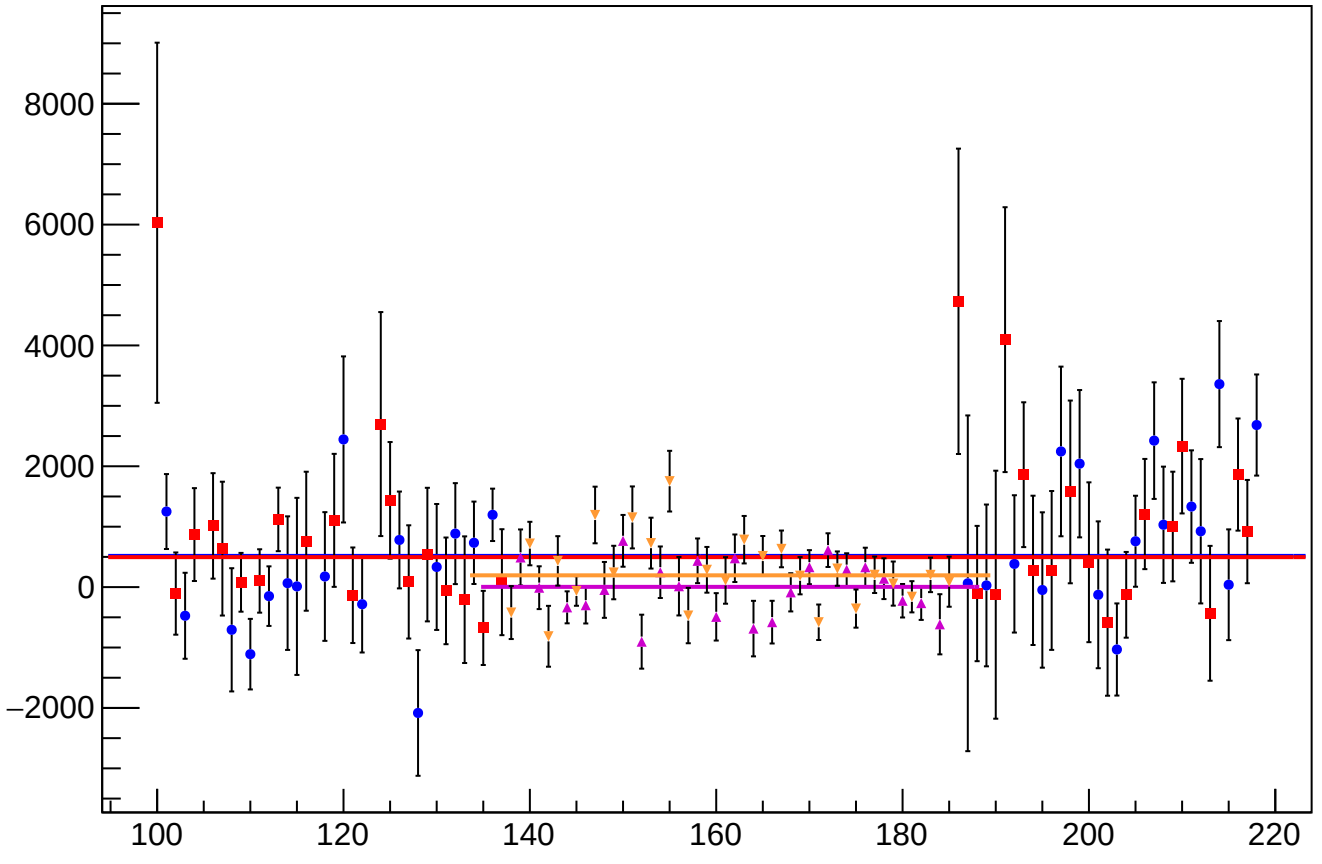
Right Out: 58.189+/-0.010 χ^2/NDF: 5258330.3/35

Left In: 39.491+/-0.007 χ^2/NDF:251801.8/22

+ sign 44.938+/-0.005 χ^2/NDF: 6822131.9/56

All: 45.105+/-0.004 χ^2/NDF: 14853141.5/115

- sign 45.281+/-0.005 χ^2/NDF: 8028980.1/58



Right In: 516.617+/-150.578 χ^2/NDF: 54.3/31

Left Out: 195.028+/-70.093 χ^2/NDF:48.6/24

Right Out: 495.869+/-151.125 χ^2/NDF: 31.9/35

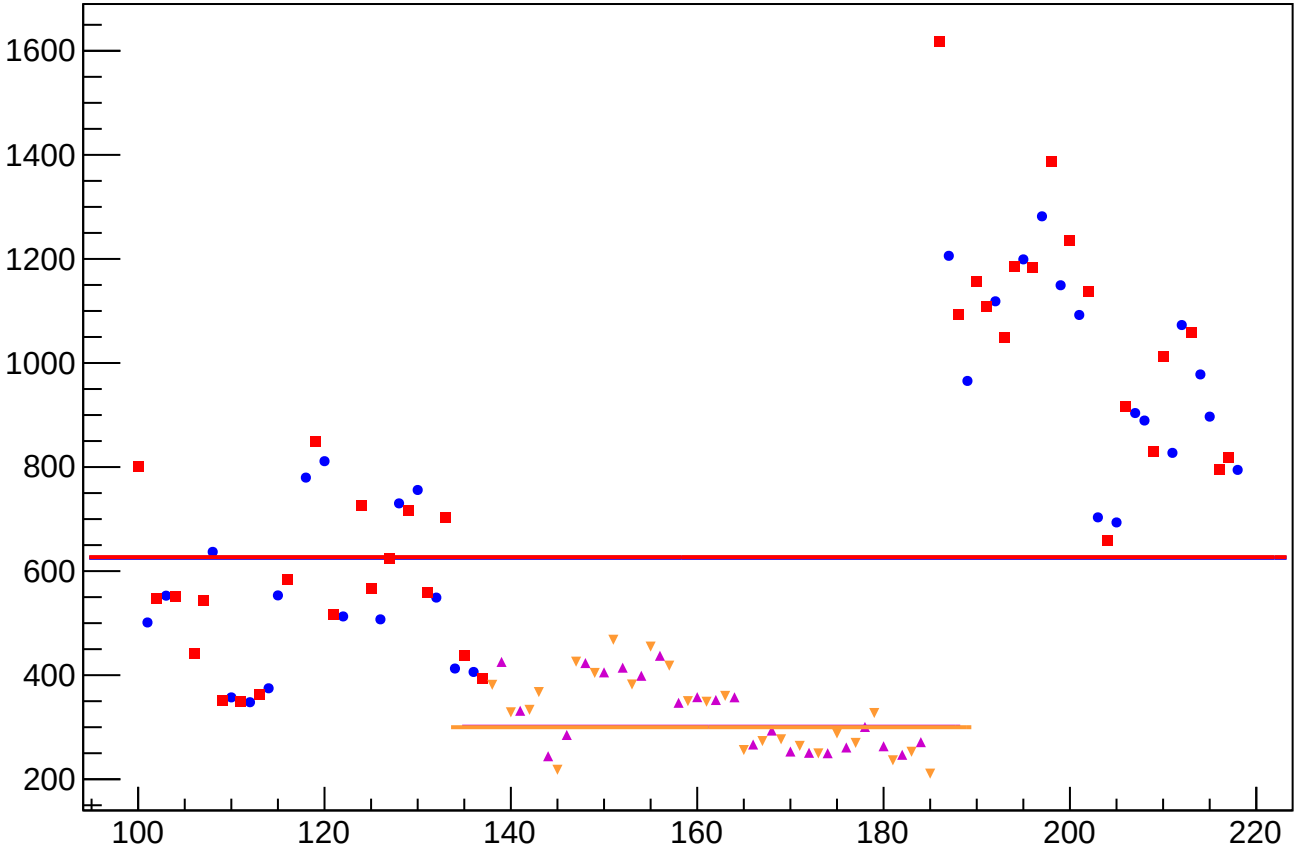
Left In: 4.014+/-71.981 χ^2/NDF:32.4/22

+ sign 252.301+/-63.546 χ^2/NDF: 106.7/56

All: 175.396+/-45.434 χ^2/NDF: 182.5/115

- sign 94.964+/-64.986 χ^2/NDF: 72.9/58

asym_sam_15_37_dd_cor_correction_rms vs Slug



Right In: 625.549+/-0.106 χ^2/NDF: 5507393.7/31

Left Out: 299.976+/-0.050 χ^2/NDF:1808454.4/24

Right Out: 626.921+/-0.107 χ^2/NDF: 6557747.5/35

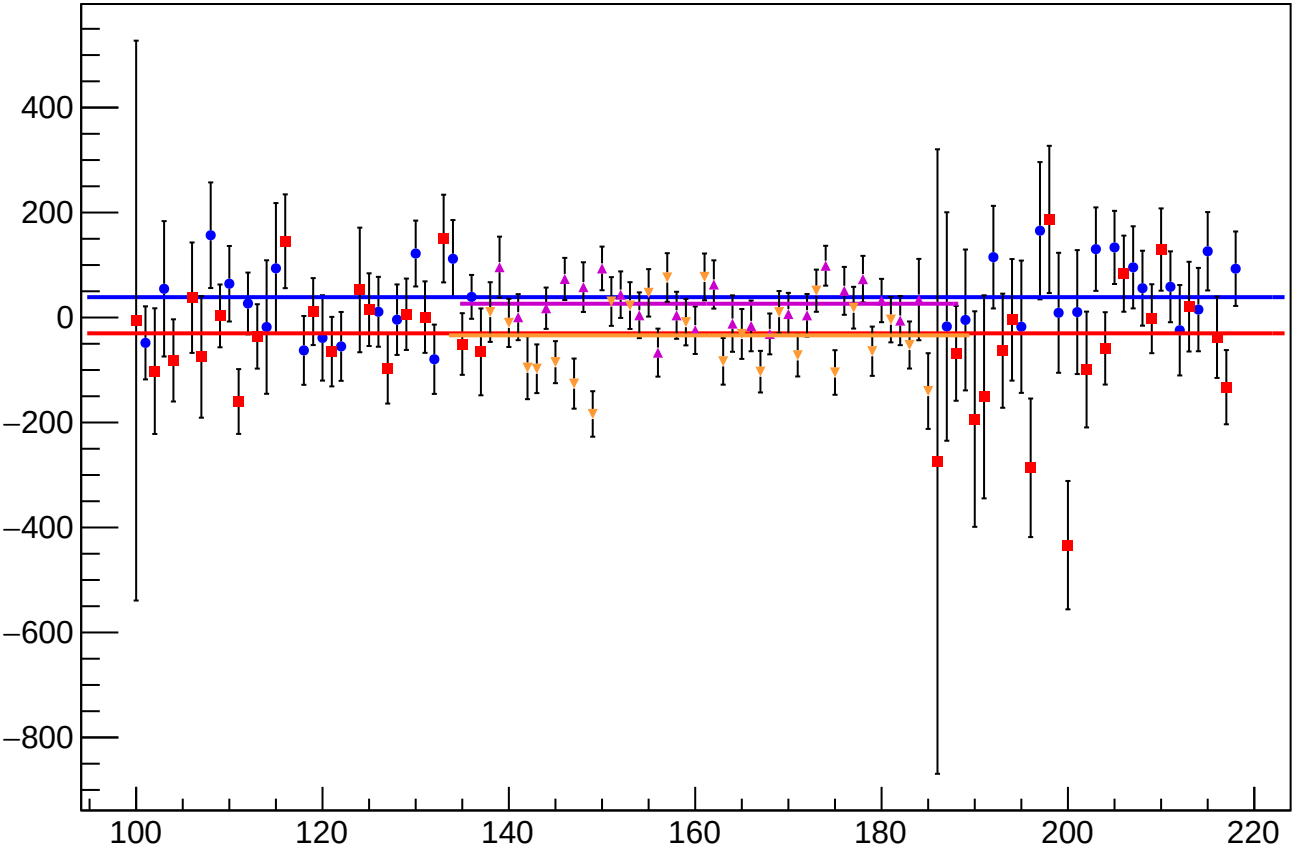
Left In: 300.999+/-0.051 χ^2/NDF:1407206.0/22

+ sign 357.958+/-0.045 χ^2/NDF: 15000508.5/56

All: 359.575+/-0.032 χ^2/NDF: 30550190.4/11

- sign 361.266+/-0.046 χ^2/NDF: 15547032.6/58

eigen_cor_asym_sam_15_37_dd_mean vs Slug



Right In: 38.795+/-13.681 χ^2/NDF: 23.9/31

Left Out: -33.955+/-8.993 χ^2/NDF:58.7/24

Right Out: -30.107+/-13.844 χ^2/NDF: 46.5/35

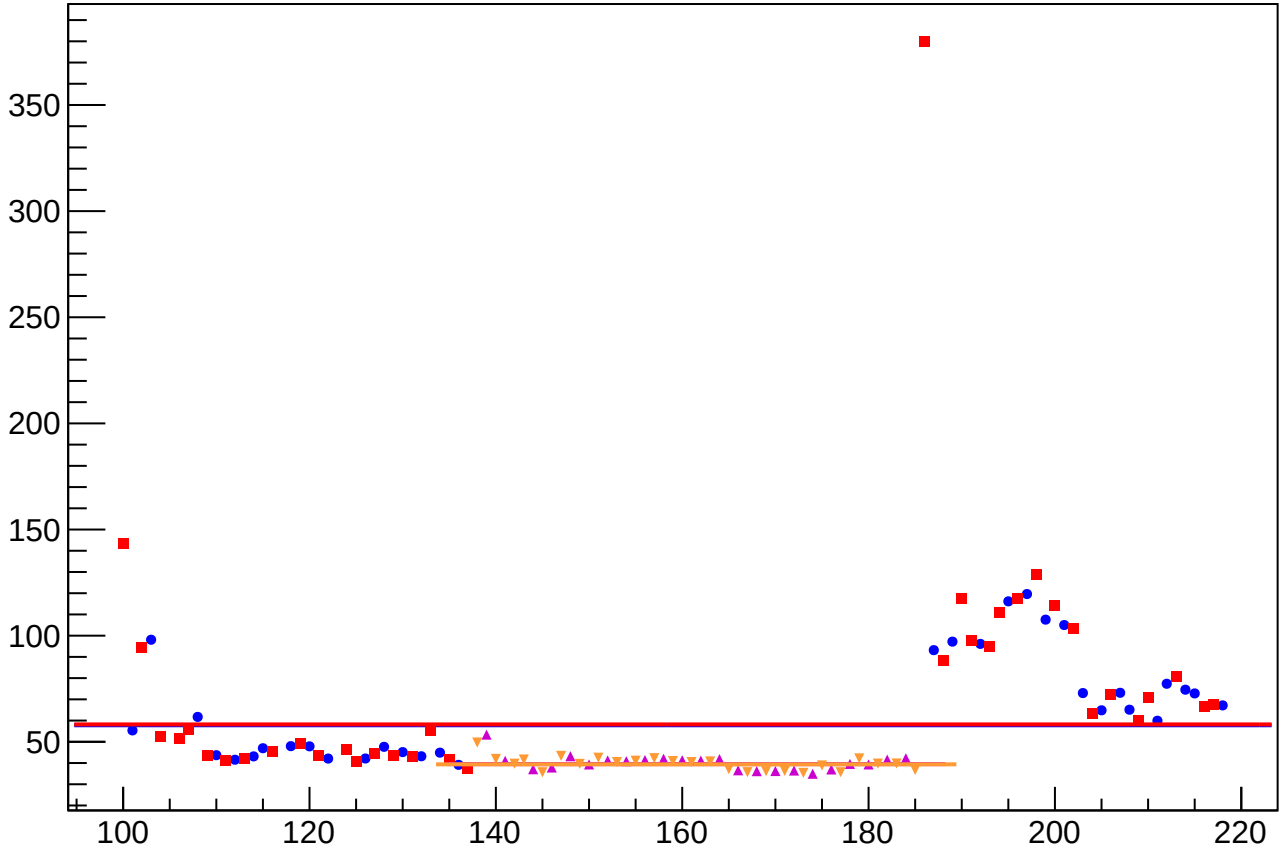
Left In: 26.267+/-9.271 χ^2/NDF:22.5/22

+ sign -12.004+/-7.515 χ^2/NDF: 102.3/56

All: -1.854+/-5.379 χ^2/NDF: 186.5/115

- sign 8.811+/-7.704 χ^2/NDF: 80.4/58

eigen_cor_asym_sam_15_37_dd_rms vs Slug



Right In: 57.794+/-0.010 χ^2/NDF: 4064246.5/31

Left Out: 39.383+/-0.006 χ^2/NDF:228799.9/24

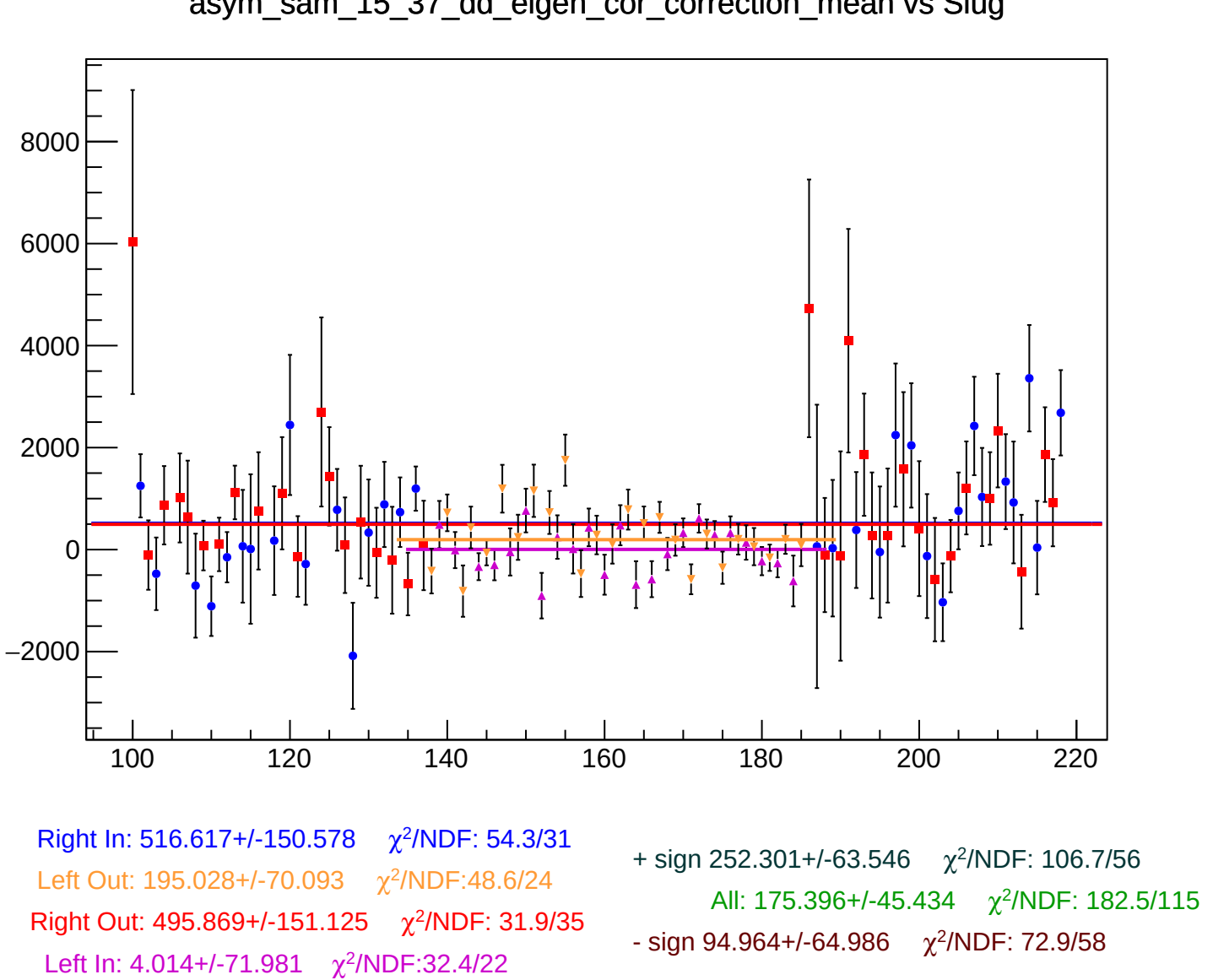
Right Out: 58.189+/-0.010 χ^2/NDF: 5258330.3/35

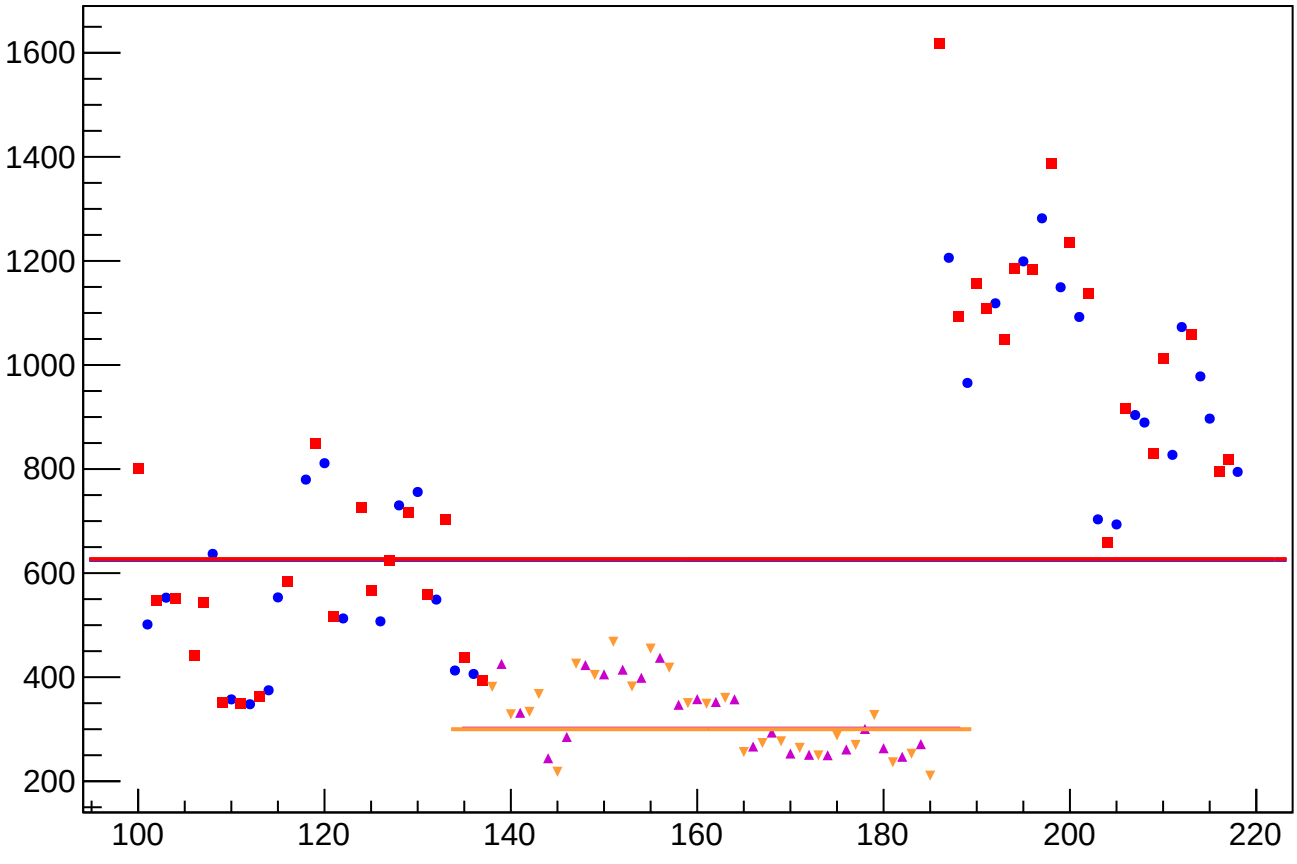
Left In: 39.491+/-0.007 χ^2/NDF:251801.8/22

+ sign 44.938+/-0.005 χ^2/NDF: 6822131.9/56

All: 45.105+/-0.004 χ^2/NDF: 14853141.5/115

- sign 45.281+/-0.005 χ^2/NDF: 8028980.1/58


asym_sam_15_37_dd_eigen_cor_correction_mean vs Slug
8000
6000
4000
2000
0
−2000
100
120
140
160
180
200
220
Right In: 516.617+/-150.578 χ²/NDF: 54.3/31
Left Out: 195.028+/-70.093 χ²/NDF:48.6/24
Right Out: 495.869+/-151.125 χ²/NDF: 31.9/35
Left In: 4.014+/-71.981 χ²/NDF:32.4/22
+ sign 252.301+/-63.546 χ²/NDF: 106.7/56
All: 175.396+/-45.434 χ²/NDF: 182.5/115
- sign 94.964+/-64.986 χ²/NDF: 72.9/58



Right In: 625.549+/-0.106 χ^2/NDF: 5507393.7/31

Left Out: 299.976+/-0.050 χ^2/NDF:1808454.4/24

Right Out: 626.921+/-0.107 χ^2/NDF: 6557747.5/35

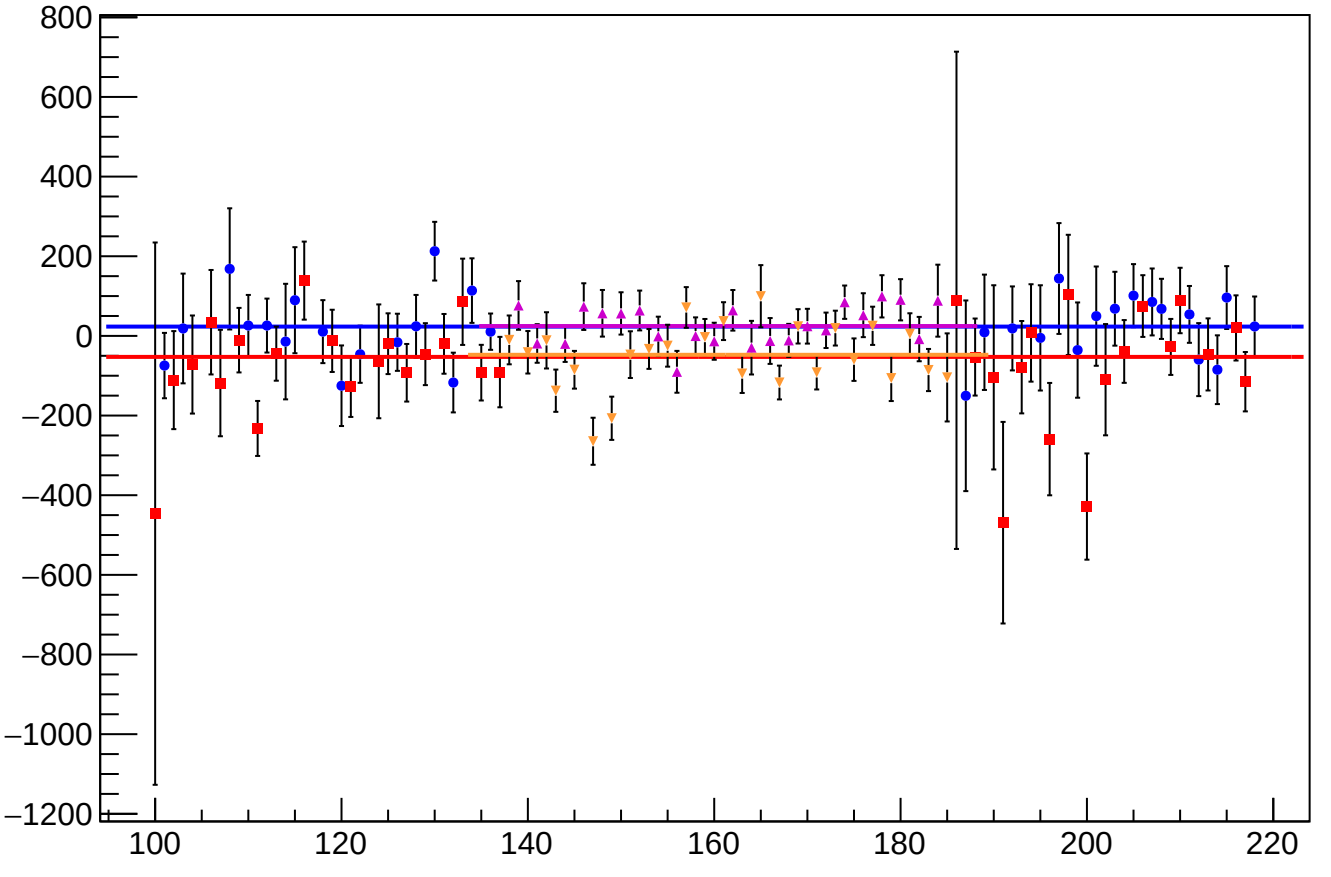
Left In: 300.999+/-0.051 χ^2/NDF:1407206.0/22

+ sign 357.958+/-0.045 χ^2/NDF: 15000508.5/56

All: 359.575+/-0.032 χ^2/NDF: 30550190.4/11

- sign 361.266+/-0.046 χ^2/NDF: 15547032.6/58

dit_asym_sam_15_37_dd_mean vs Slug



Right In: 23.364+/-15.221 χ^2/NDF: 24.6/31

Left Out: -47.480+/-10.392 χ^2/NDF:54.7/24

Right Out: -52.726+/-15.697 χ^2/NDF: 38.0/35

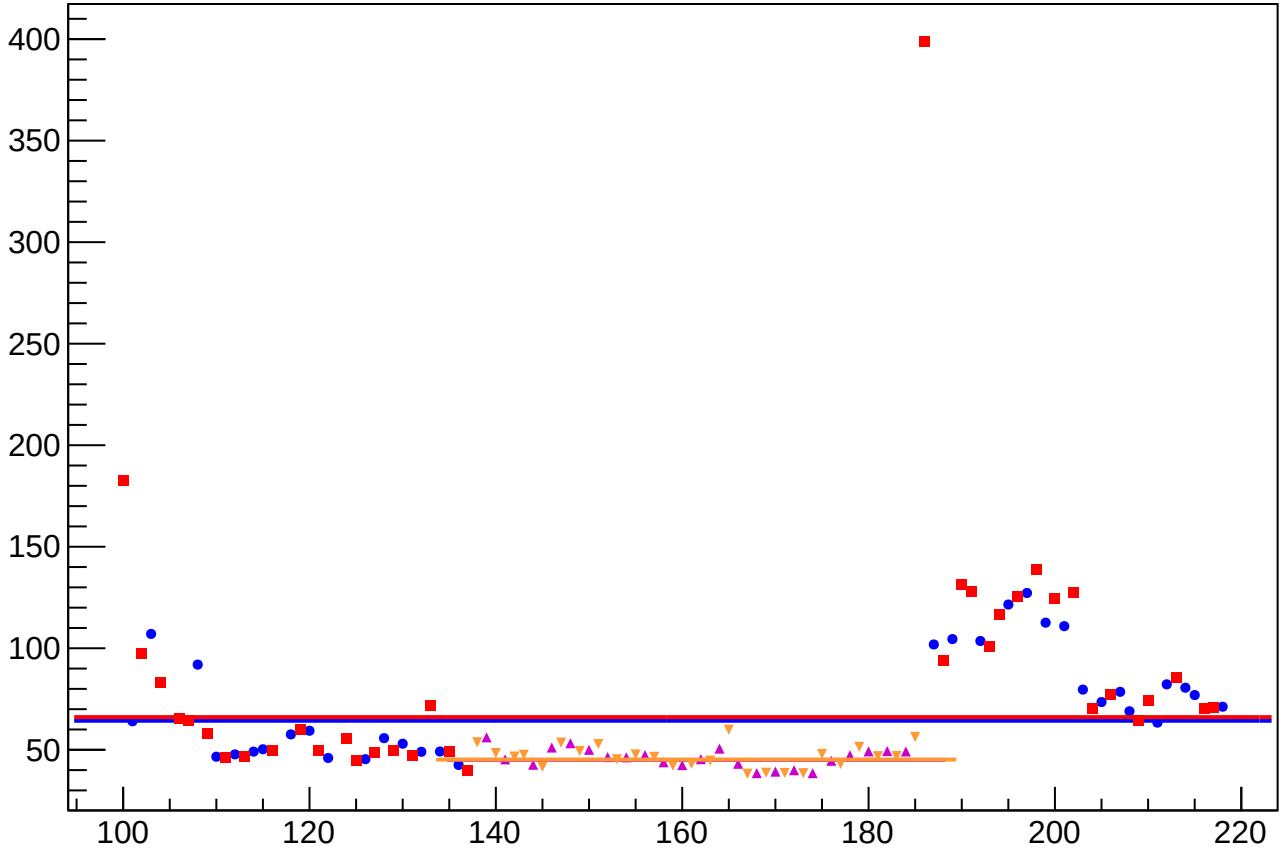
Left In: 24.687+/-10.660 χ^2/NDF:19.7/22

+ sign -24.955+/-8.582 χ^2/NDF: 94.1/56

All: -12.693+/-6.151 χ^2/NDF: 172.6/115

- sign 0.254+/-8.819 χ^2/NDF: 74.3/58

dit_asym_sam_15_37_dd_rms vs Slug



Right In: 64.306+/-0.011 χ^2/NDF: 3732706.5/31

Left Out: 45.175+/-0.007 χ^2/NDF:489860.2/24

Right Out: 66.090+/-0.011 χ^2/NDF: 4842834.5/35

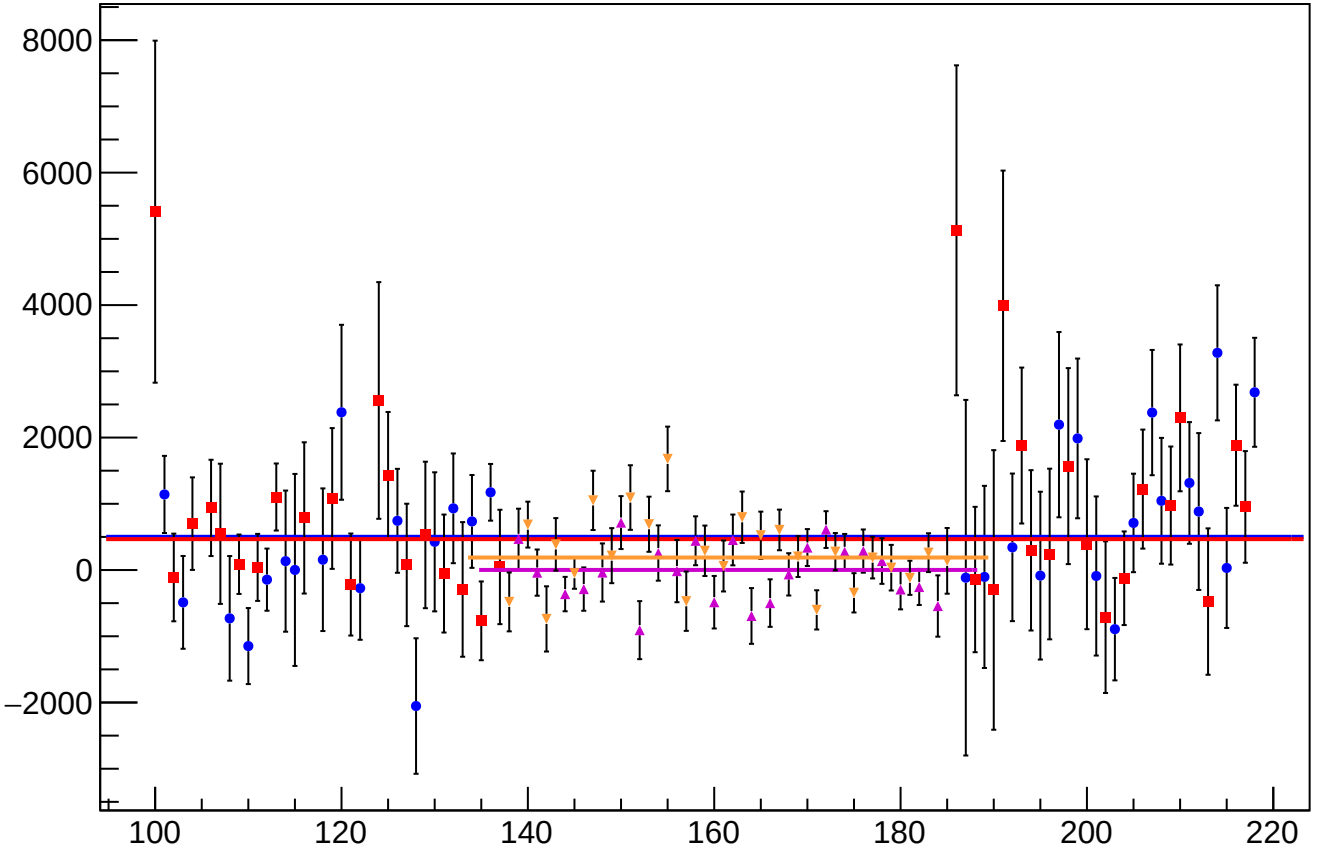
Left In: 45.017+/-0.008 χ^2/NDF:372690.8/22

+ sign 51.257+/-0.006 χ^2/NDF: 6377483.7/56

All: 51.457+/-0.004 χ^2/NDF: 14062118.9/115

- sign 51.668+/-0.006 χ^2/NDF: 7682403.4/58

asym_sam_15_37_dd_dit_correction_mean vs Slug



Right In: 501.703+/-147.734 χ^2/NDF: 54.5/31

Left Out: 188.812+/-69.714 χ^2/NDF:46.8/24

Right Out: 466.522+/-145.558 χ^2/NDF: 35.1/35

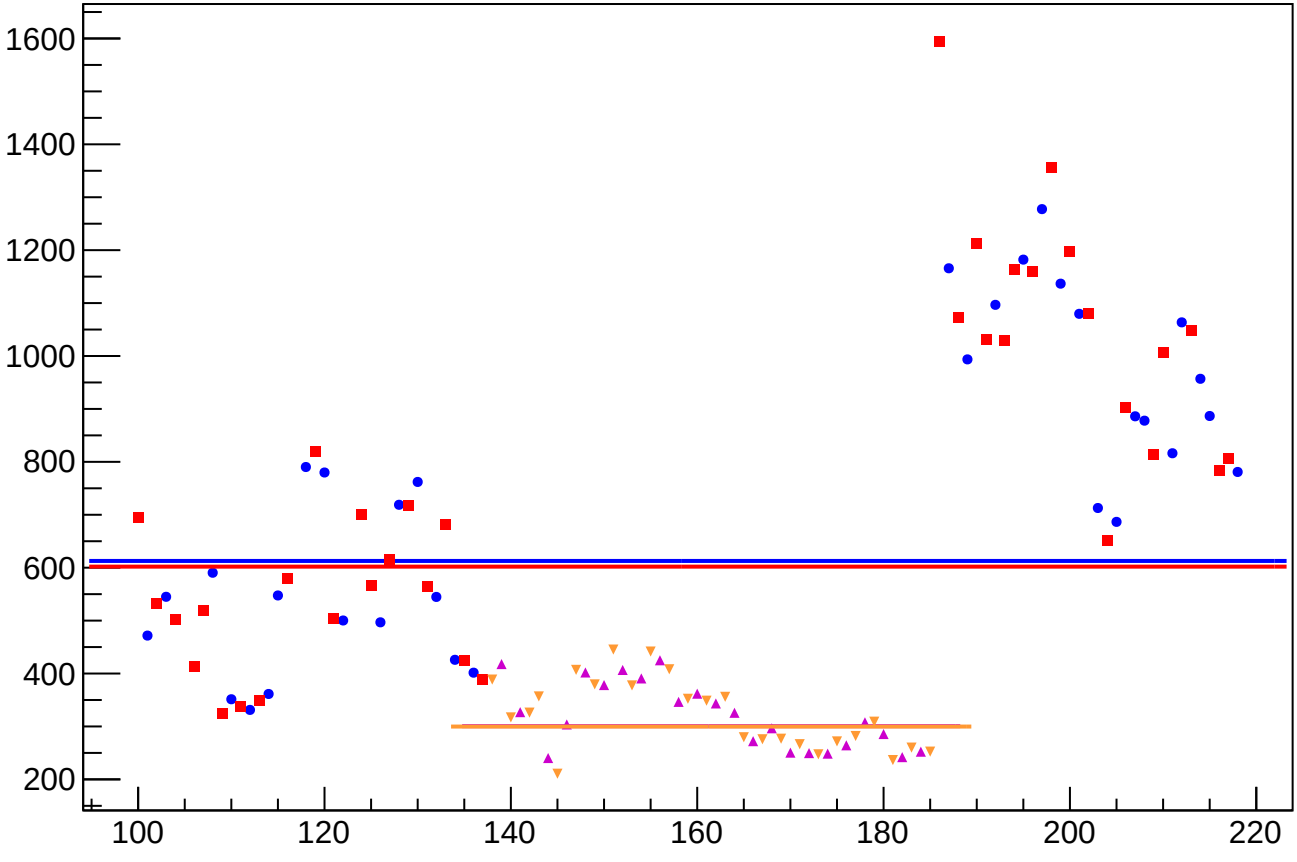
Left In: 1.655+/-71.712 χ^2/NDF:32.2/22

+ sign 245.797+/-63.047 χ^2/NDF: 104.9/56

All: 170.668+/-45.027 χ^2/NDF: 183.4/115

- sign 92.452+/-64.329 χ^2/NDF: 75.5/58

asym_sam_15_37_dd_dit_correction_rms vs Slug



Right In: 612.748+/-0.104 χ^2/NDF: 5672071.5/31

Left Out: 299.798+/-0.049 χ^2/NDF:1577420.4/24

Right Out: 601.986+/-0.103 χ^2/NDF: 6931999.2/35

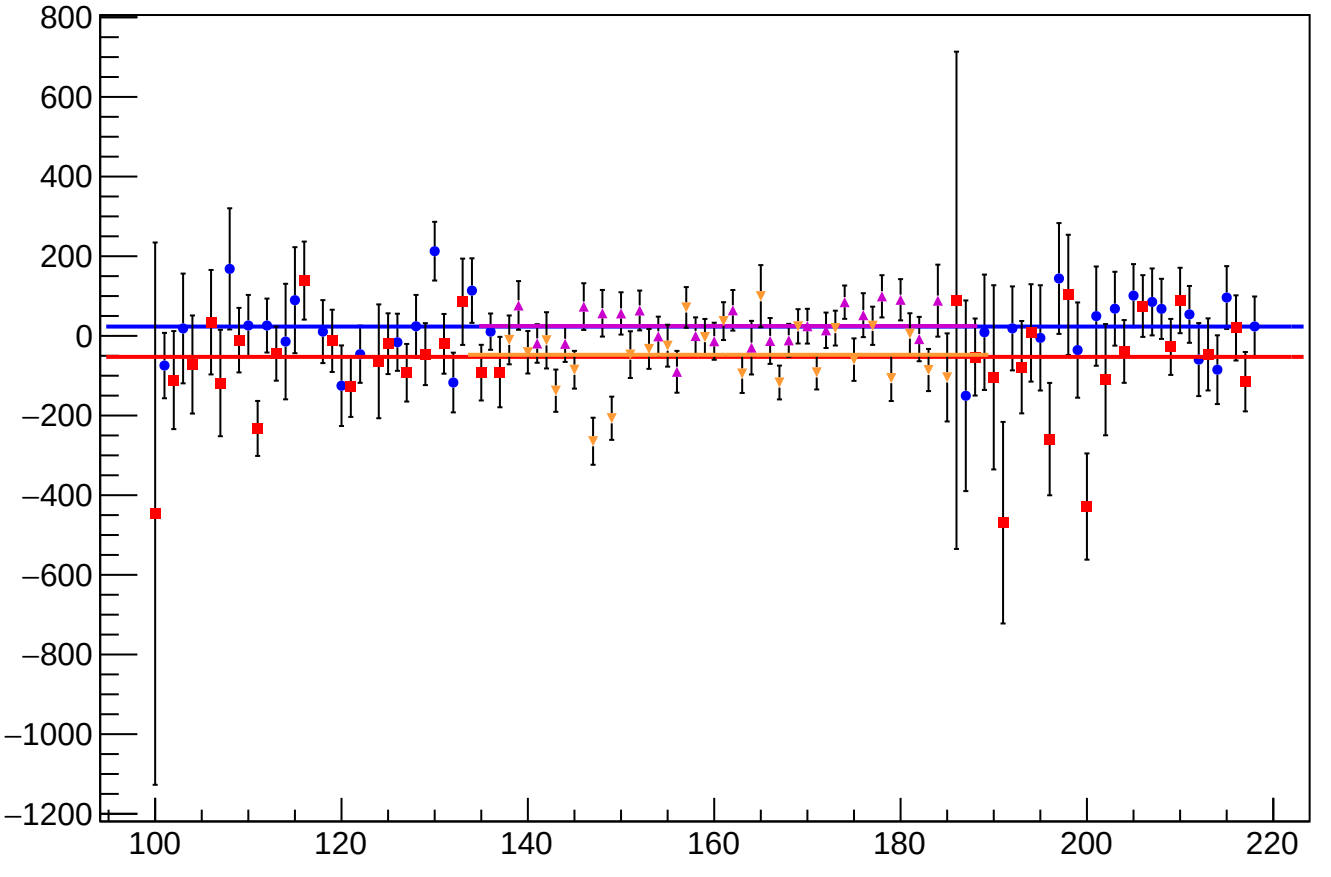
Left In: 300.544+/-0.051 χ^2/NDF:1259270.5/22

+ sign 356.794+/-0.045 χ^2/NDF: 14589683.4/56

All: 358.081+/-0.032 χ^2/NDF: 29684937.5/11

- sign 359.421+/-0.045 χ^2/NDF: 15093552.1/58

eigen_dit_asym_sam_15_37_dd_mean vs Slug



Right In: 23.364+/-15.221 χ^2/NDF: 24.6/31

Left Out: -47.480+/-10.392 χ^2/NDF:54.7/24

Right Out: -52.727+/-15.697 χ^2/NDF: 38.0/35

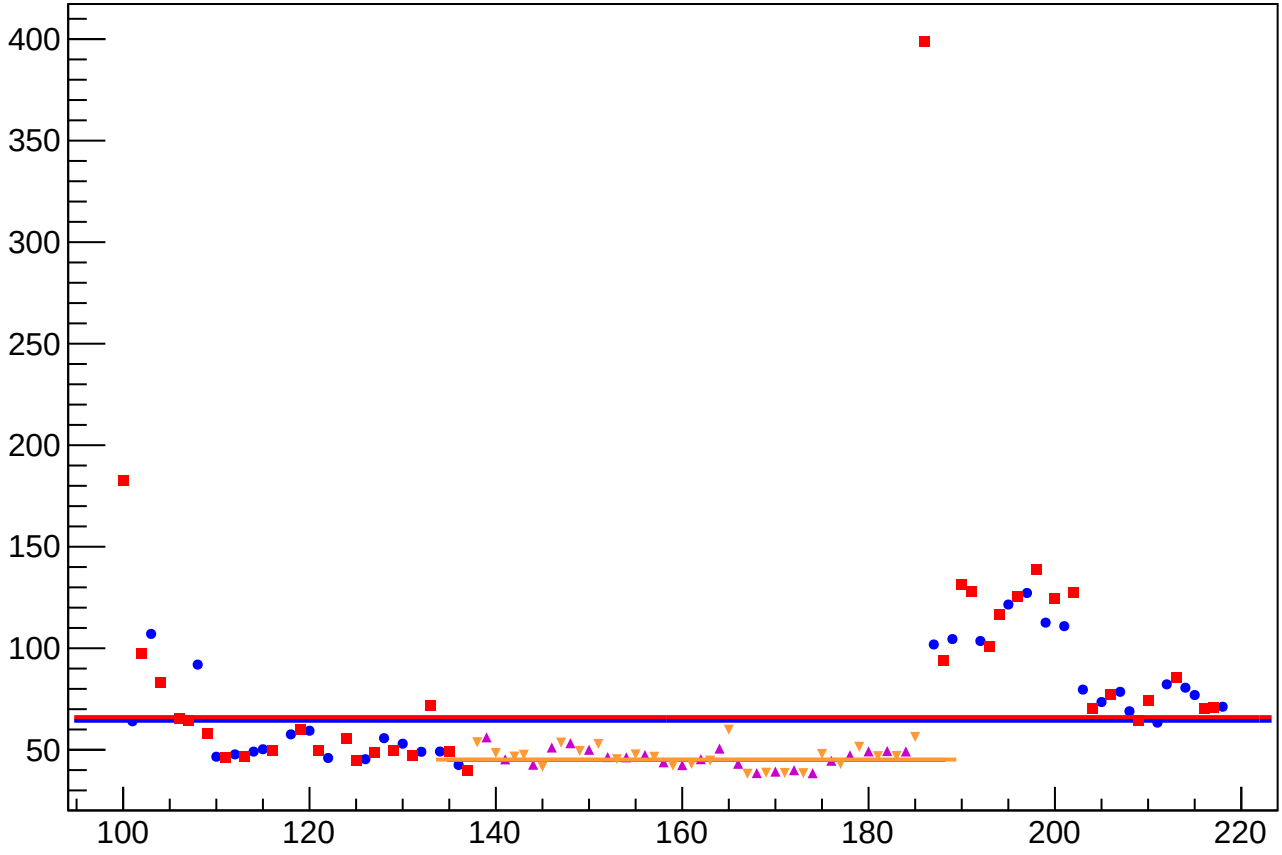
Left In: 24.687+/-10.660 χ^2/NDF:19.7/22

+ sign -24.956+/-8.582 χ^2/NDF: 94.1/56

All: -12.693+/-6.151 χ^2/NDF: 172.6/115

- sign 0.254+/-8.819 χ^2/NDF: 74.3/58

eigen_dit_asym_sam_15_37_dd_rms vs Slug



Right In: 64.306+/-0.011 χ^2/NDF: 3732710.1/31

Left Out: 45.175+/-0.007 χ^2/NDF:489860.2/24

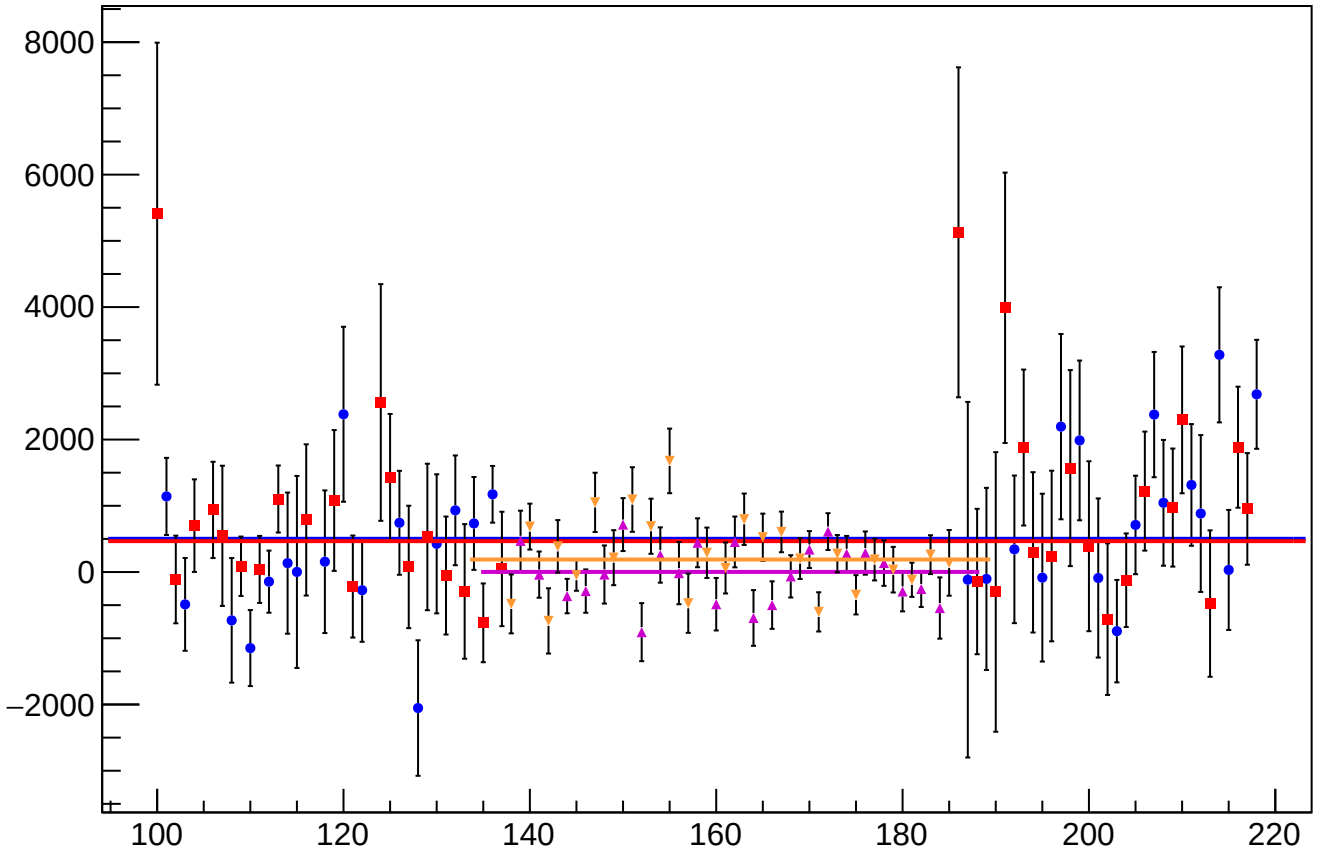
Right Out: 66.090+/-0.011 χ^2/NDF: 4842837.8/35

Left In: 45.017+/-0.008 χ^2/NDF:372691.9/22

+ sign 51.257+/-0.006 χ^2/NDF: 6377485.9/56

All: 51.457+/-0.004 χ^2/NDF: 14062122.8/115

- sign 51.669+/-0.006 χ^2/NDF: 7682404.7/58



Right In: 501.701+/-147.733 χ^2/NDF: 54.5/31

Left Out: 188.813+/-69.714 χ^2/NDF:46.8/24

Right Out: 466.521+/-145.557 χ^2/NDF: 35.1/35

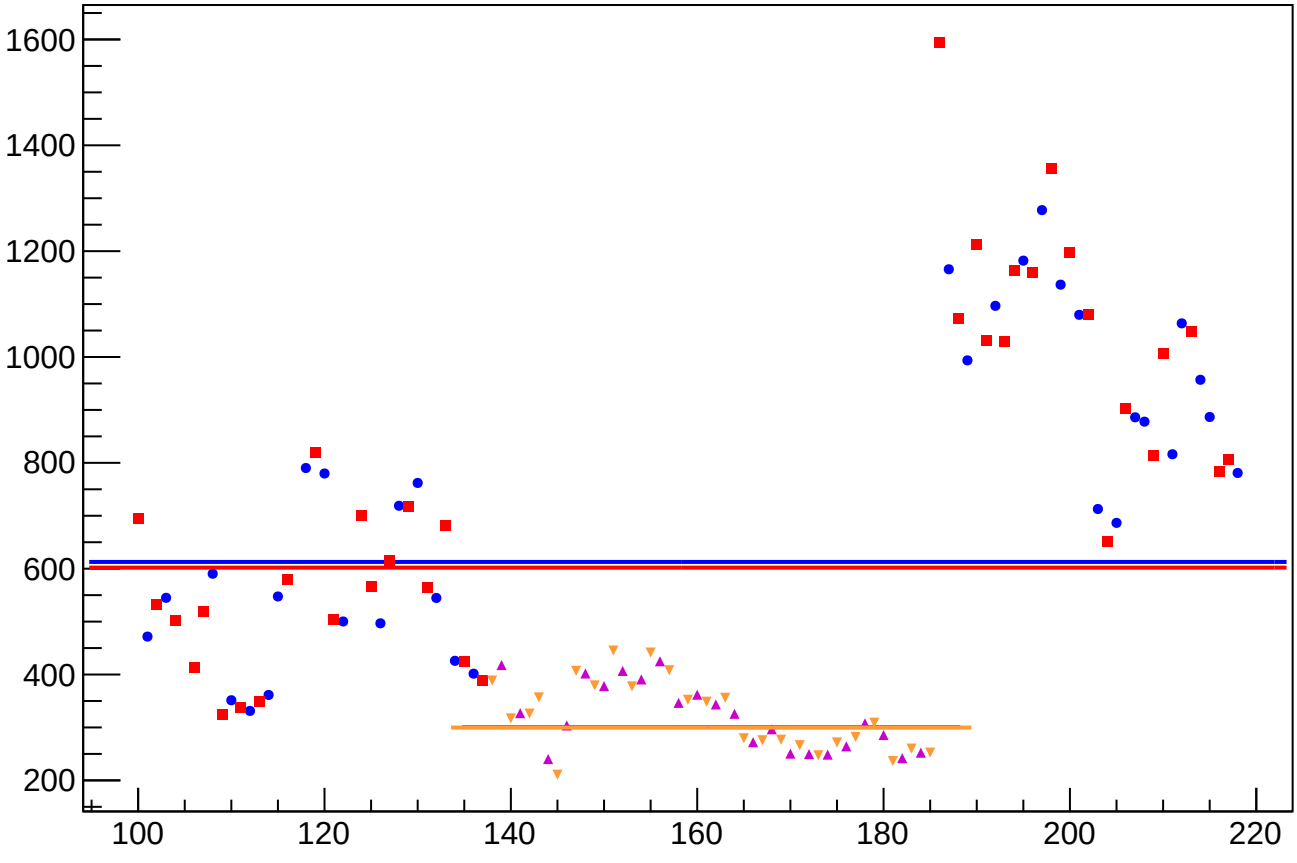
Left In: 1.654+/-71.712 χ^2/NDF:32.2/22

+ sign 245.797+/-63.047 χ^2/NDF: 104.9/56

All: 170.668+/-45.027 χ^2/NDF: 183.4/115

- sign 92.452+/-64.329 χ^2/NDF: 75.5/58

asym_sam_15_37_dd_eigen_dit_correction_rms vs Slug



Right In: 612.747+/-0.104 χ^2/NDF: 5672092.9/31

Left Out: 299.798+/-0.049 χ^2/NDF:1577421.4/24

Right Out: 601.986+/-0.103 χ^2/NDF: 6932014.5/35

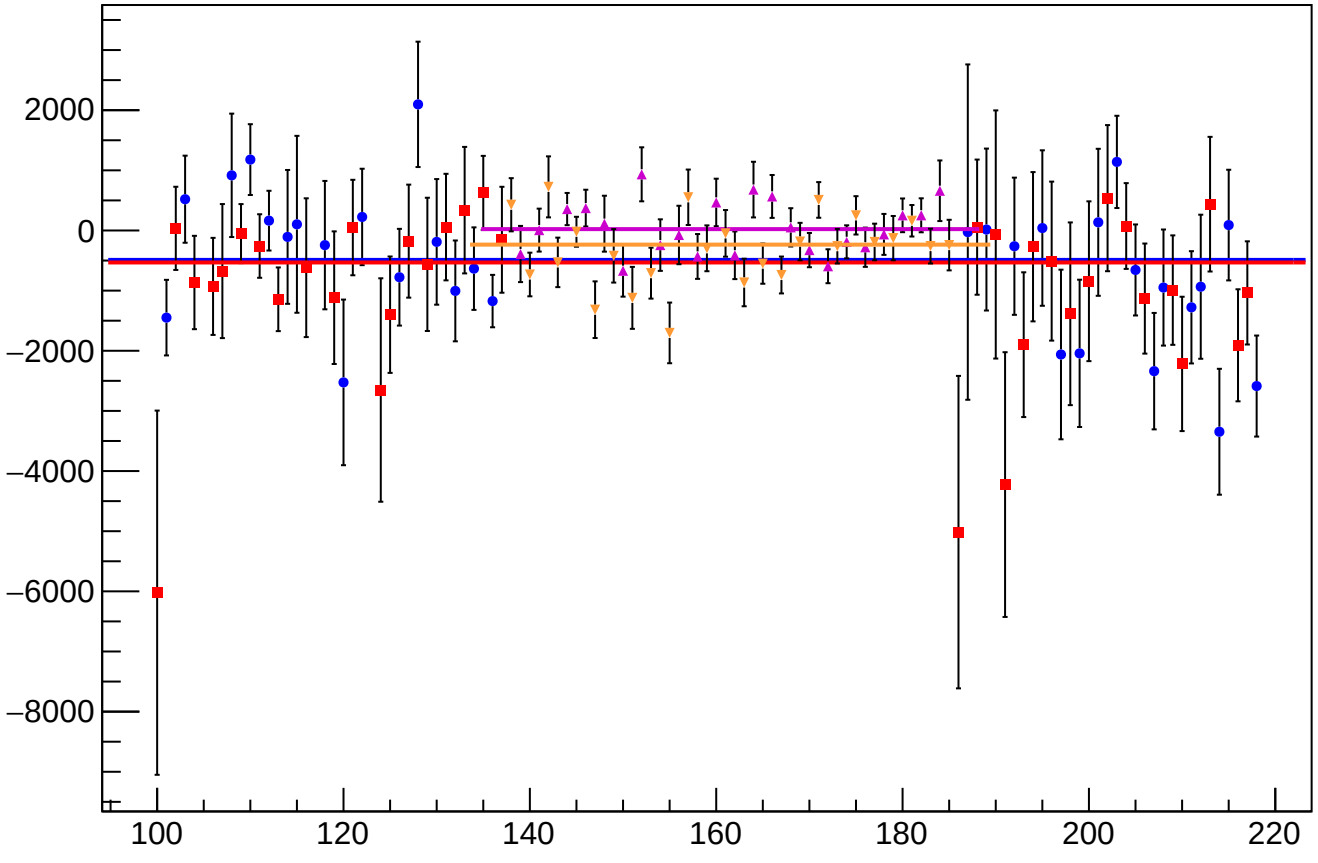
Left In: 300.544+/-0.051 χ^2/NDF:1259265.2/22

+ sign 356.794+/-0.045 χ^2/NDF: 14589669.3/56

All: 358.081+/-0.032 χ^2/NDF: 29684886.6/11

- sign 359.422+/-0.045 χ^2/NDF: 15093515.0/58

asym_sam_15_37_dd_mean vs Slug



Right In: -489.077+/-151.456 χ^2/NDF: 55.4/31

Left Out: -235.168+/-70.741 χ^2/NDF:47.5/24

Right Out: -531.770+/-151.583 χ^2/NDF: 30.4/35

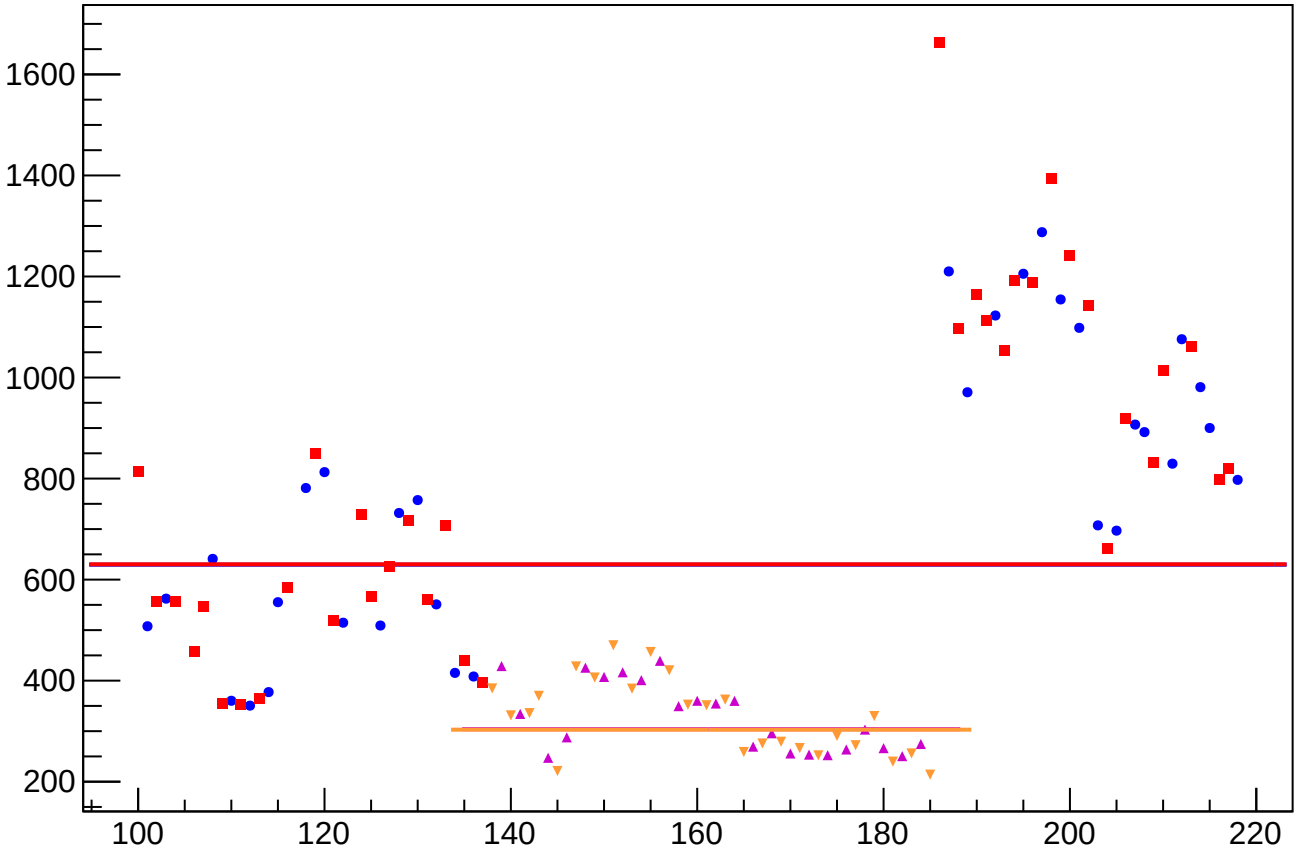
Left In: 22.662+/-72.642 χ^2/NDF:29.9/22

+ sign -280.640+/-64.094 χ^2/NDF: 105.1/56

All: -182.942+/-45.813 χ^2/NDF: 181.0/115

- sign -80.886+/-65.508 χ^2/NDF: 71.2/58

asym_sam_15_37_dd_rms vs Slug



Right In: 629.537+/-0.107 χ^2/NDF: 5470284.3/31

Left Out: 302.944+/-0.050 χ^2/NDF:1766061.8/24

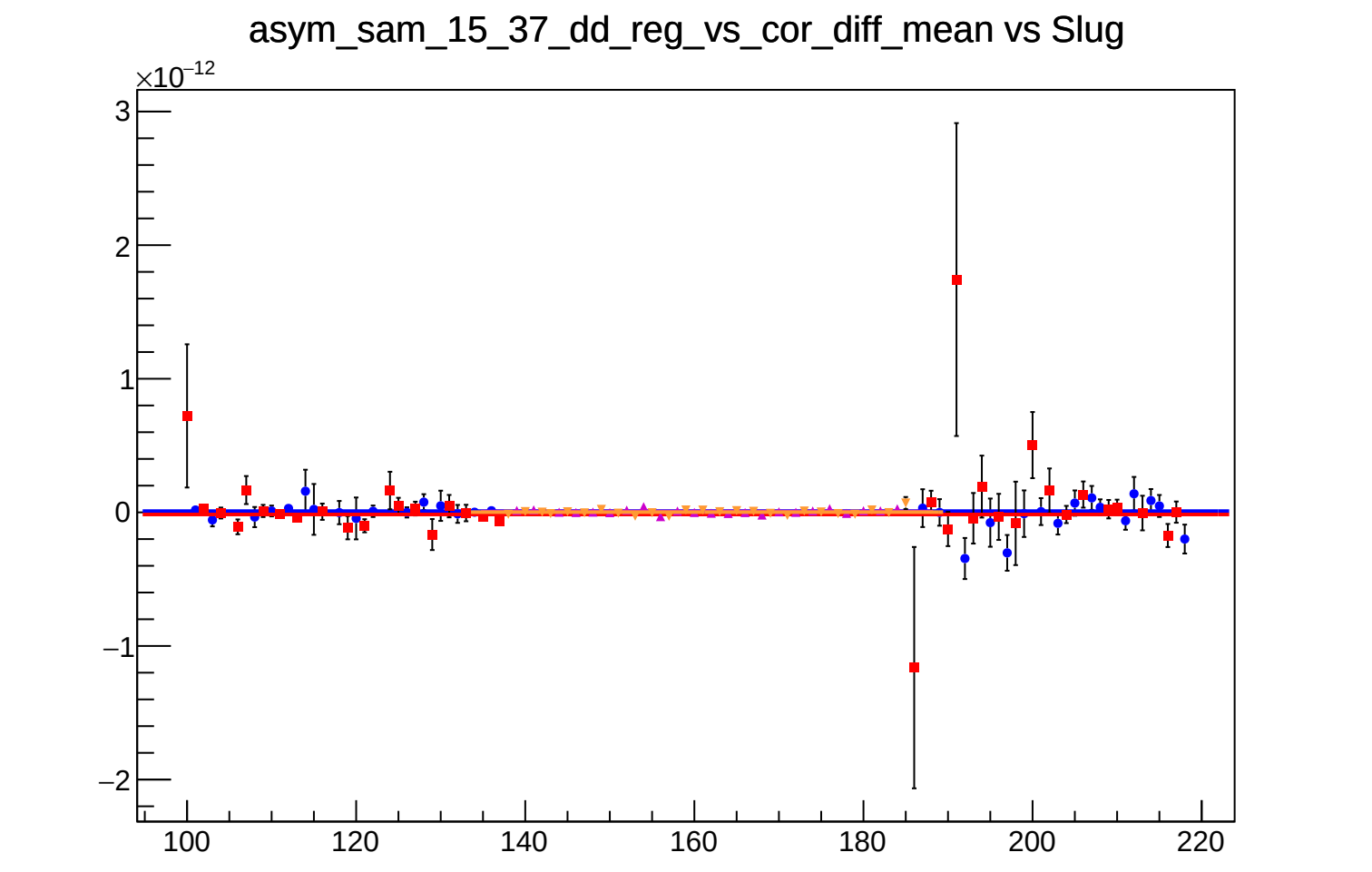
Right Out: 630.297+/-0.107 χ^2/NDF: 6528802.3/35

Left In: 303.923+/-0.051 χ^2/NDF:1376278.3/22

+ sign 361.433+/-0.045 χ^2/NDF: 14870619.2/56

All: 363.118+/-0.032 χ^2/NDF: 30318592.4/11

- sign 364.878+/-0.046 χ^2/NDF: 15445146.9/58



Right In: 0.000+/-0.000 χ^2/NDF: 26.6/31

Left Out: 0.000+/-0.000 χ^2/NDF:22.9/24

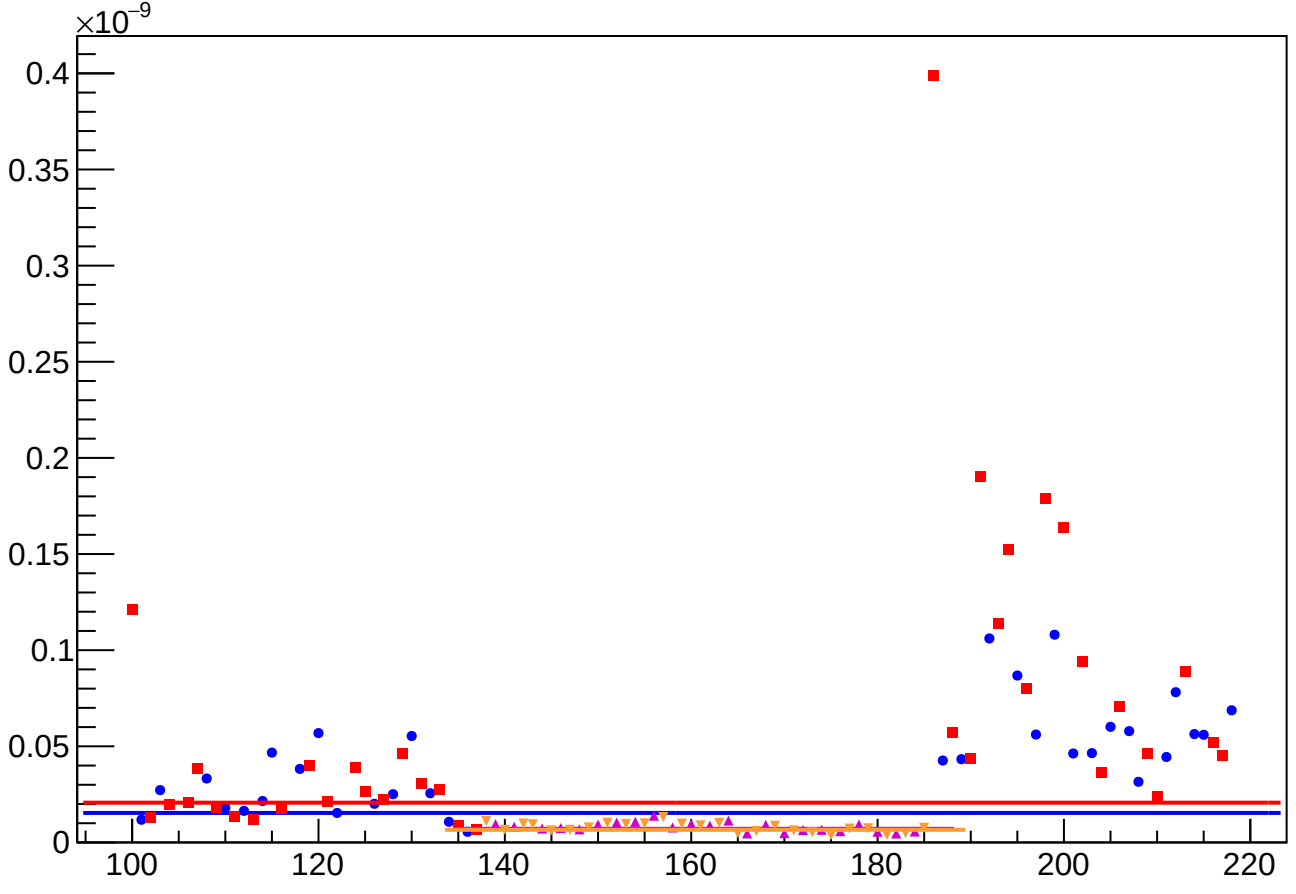
Right Out: -0.000+/-0.000 χ^2/NDF: 43.1/35

Left In: 0.000+/-0.000 χ^2/NDF:18.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 50.4/56

All: 0.000+/-0.000 χ^2/NDF: 116.7/115

- sign 0.000+/-0.000 χ^2/NDF: 66.1/58



Right In: 0.000+/-0.000 χ^2/NDF: 8446172.6/31

Left Out: 0.000+/-0.000 χ^2/NDF:1479029.9/24

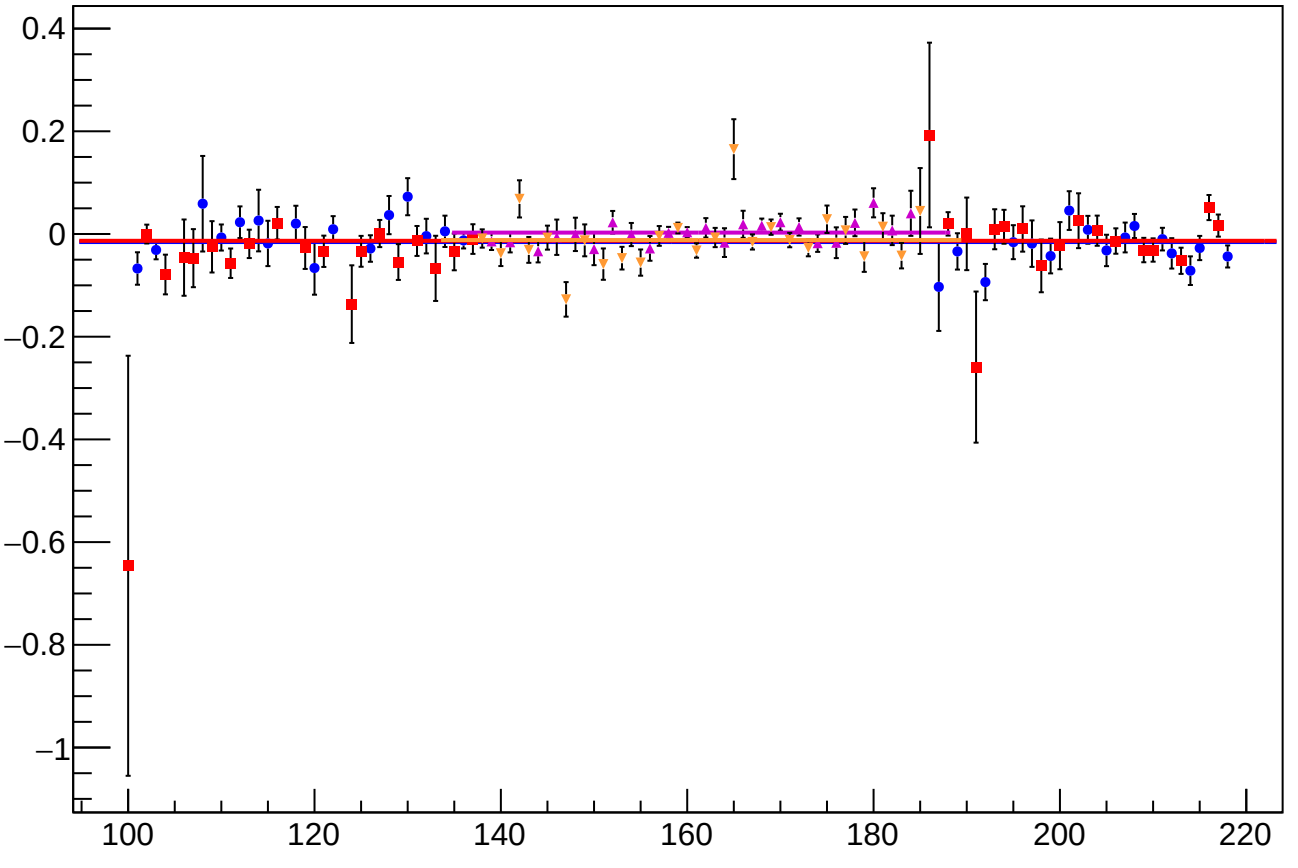
Right Out: 0.000+/-0.000 χ^2/NDF: 7371059.0/35

Left In: 0.000+/-0.000 χ^2/NDF:981529.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 12312423.9/56

All: 0.000+/-0.000 χ^2/NDF: 24491182.3/115

- sign 0.000+/-0.000 χ^2/NDF: 12107562.7/58



Right In: -0.016+/-0.005 χ^2/NDF: 36.9/31

Left Out: -0.012+/-0.004 χ^2/NDF:53.4/24

Right Out: -0.013+/-0.005 χ^2/NDF: 38.3/35

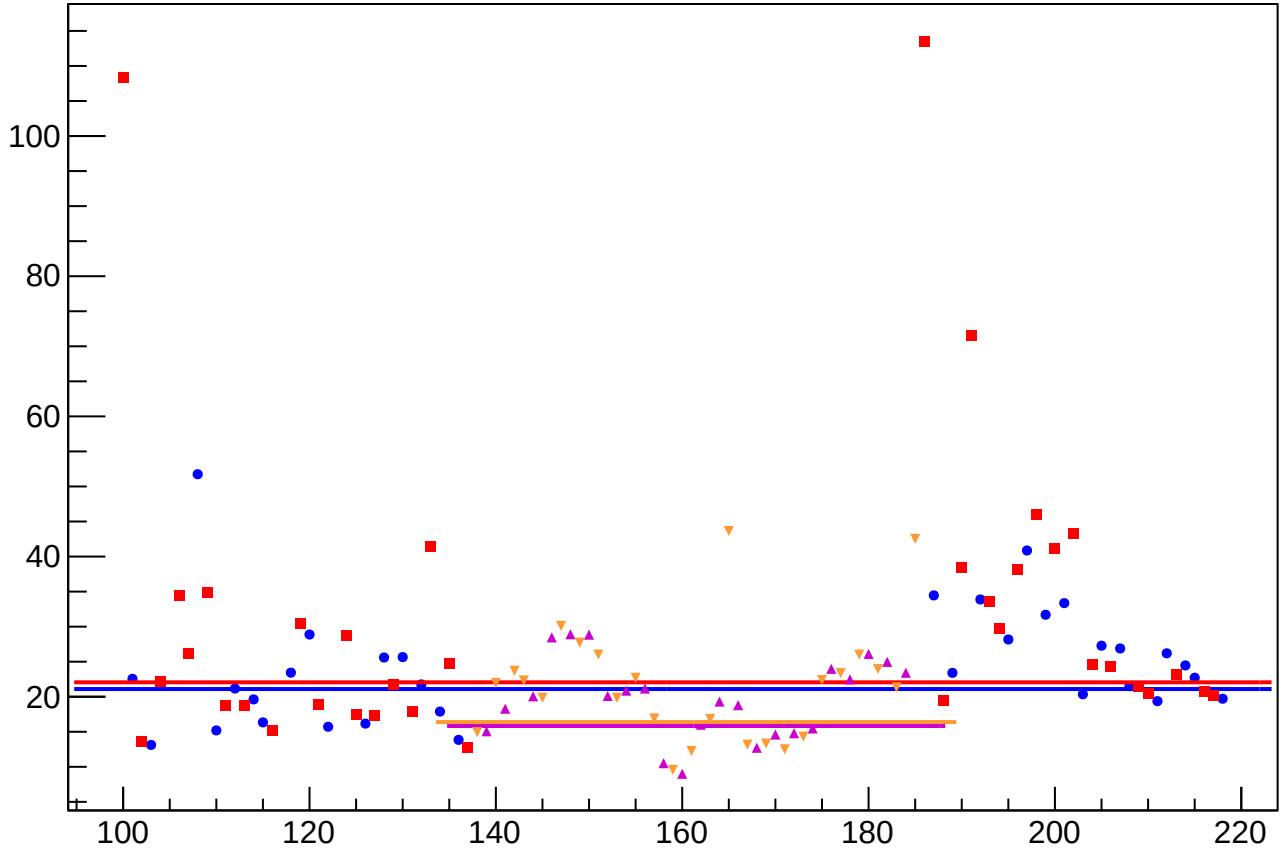
Left In: 0.003+/-0.004 χ^2/NDF:19.8/22

+ sign -0.013+/-0.003 χ^2/NDF: 90.7/56

All: -0.008+/-0.002 χ^2/NDF: 159.5/115

- sign -0.003+/-0.003 χ^2/NDF: 63.6/58

asym_sam_15_37_dd_dit_vs_cor_diff_rms vs Slug



Right In: 21.097+/-0.004 χ^2/NDF: 2949221.0/31

Left Out: 16.387+/-0.003 χ^2/NDF:4030028.3/24

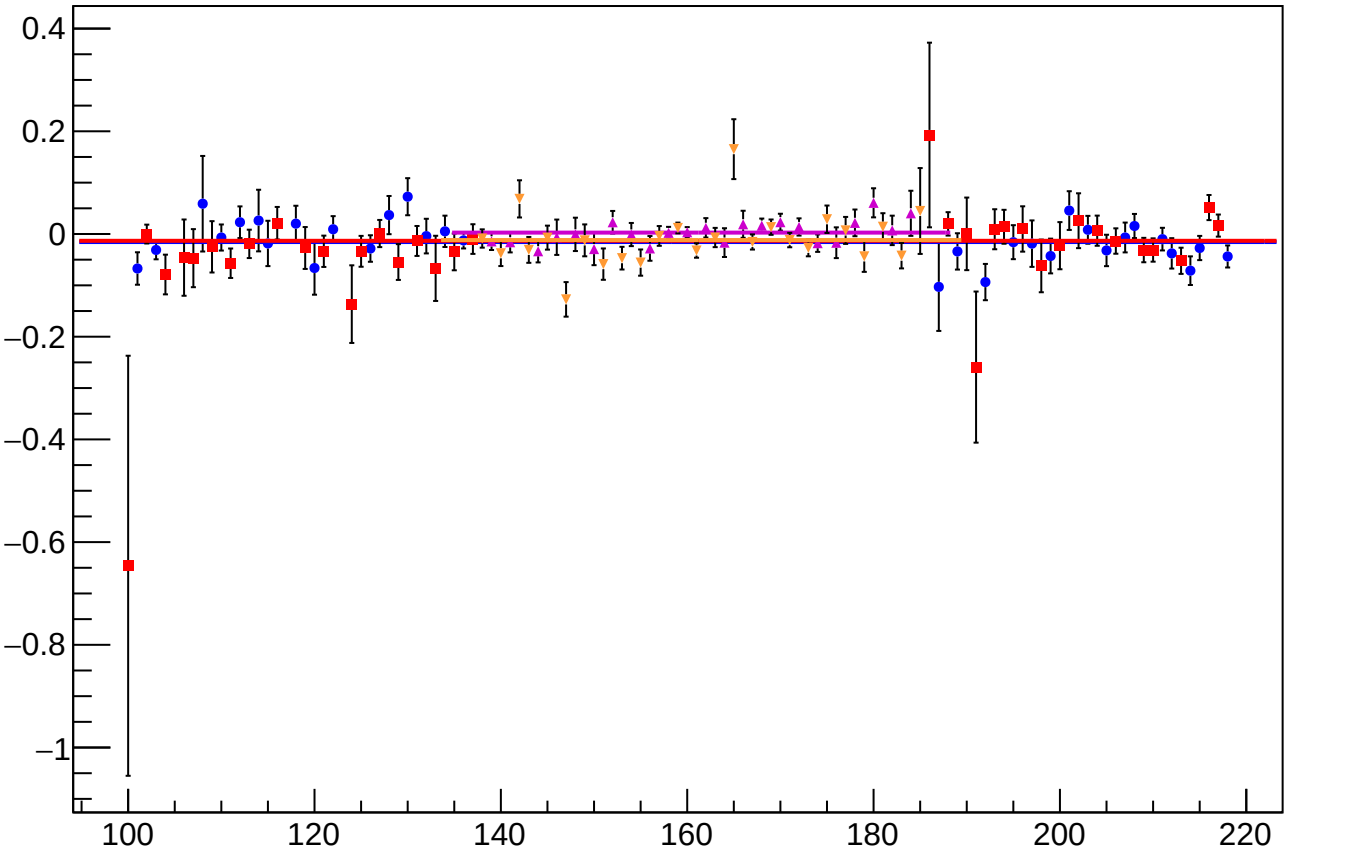
Right Out: 22.057+/-0.004 χ^2/NDF: 4139487.9/35

Left In: 15.824+/-0.003 χ^2/NDF:3654469.7/22

+ sign 18.202+/-0.002 χ^2/NDF: 8012774.5/56

All: 18.127+/-0.002 χ^2/NDF: 17510093.4/115

- sign 18.051+/-0.002 χ^2/NDF: 9495116.3/58



Right In: -0.016+/-0.005 χ^2/NDF: 36.9/31

Left Out: -0.012+/-0.004 χ^2/NDF:53.4/24

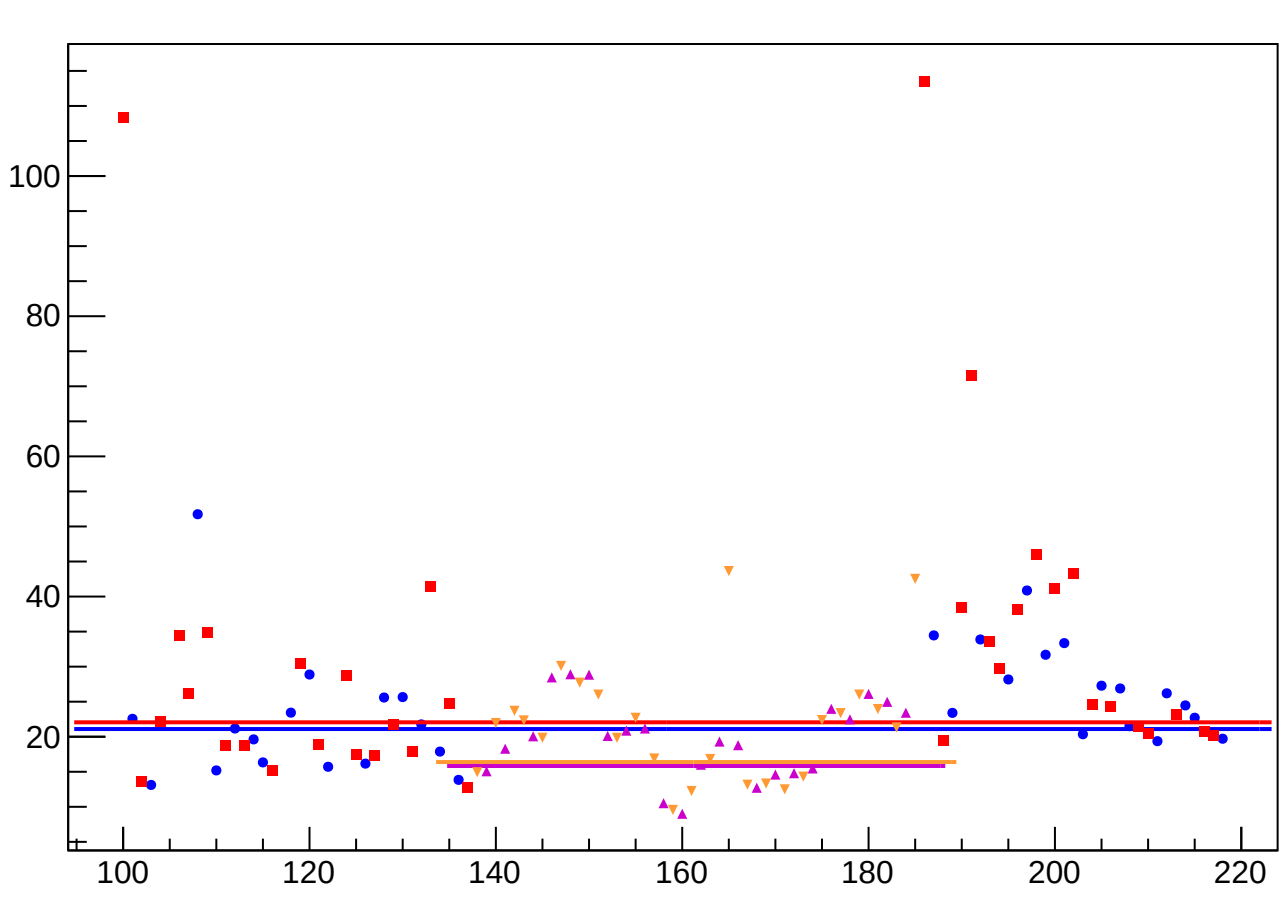
Right Out: -0.013+/-0.005 χ^2/NDF: 38.3/35

Left In: 0.003+/-0.004 χ^2/NDF:19.8/22

+ sign -0.013+/-0.003 χ^2/NDF: 90.7/56

All: -0.008+/-0.002 χ^2/NDF: 159.5/115

- sign -0.003+/-0.003 χ^2/NDF: 63.6/58



Right In: 21.097+/-0.004 χ^2/NDF: 2949221.0/31

Left Out: 16.387+/-0.003 χ^2/NDF:4030028.3/24

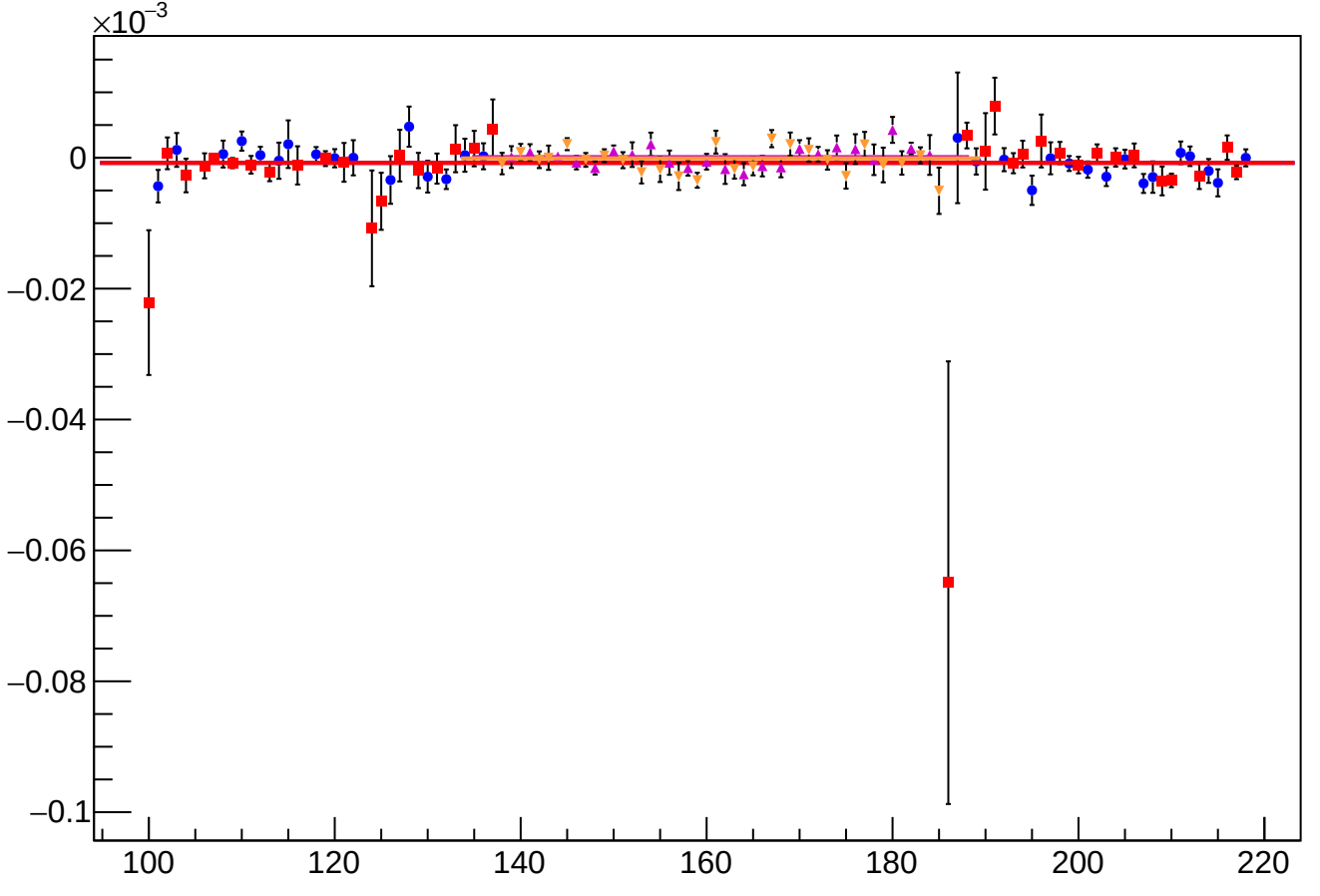
Right Out: 22.057+/-0.004 χ^2/NDF: 4139487.9/35

Left In: 15.824+/-0.003 χ^2/NDF:3654469.7/22

+ sign 18.202+/-0.002 χ^2/NDF: 8012774.5/56

All: 18.127+/-0.002 χ^2/NDF: 17510093.4/115

- sign 18.051+/-0.002 χ^2/NDF: 9495116.3/58



Right In: -0.000+/-0.000 χ^2/NDF: 35.7/31

Left Out: -0.000+/-0.000 χ^2/NDF:36.1/24

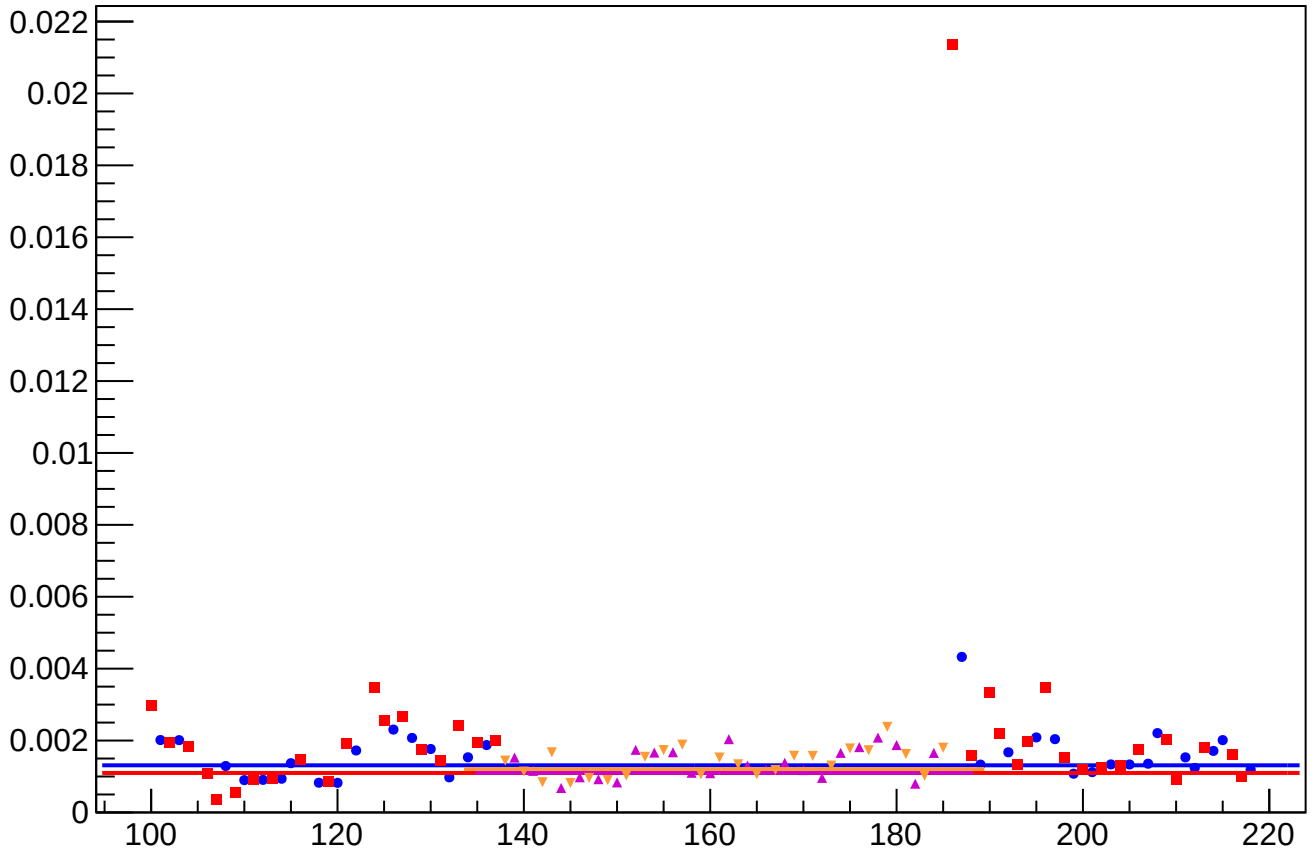
Right Out: -0.000+/-0.000 χ^2/NDF: 41.9/35

Left In: 0.000+/-0.000 χ^2/NDF:21.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 74.5/56

All: -0.000+/-0.000 χ^2/NDF: 143.5/115

- sign -0.000+/-0.000 χ^2/NDF: 68.9/58



Right In: 0.001+/-0.000 χ^2/NDF: 3453328.4/31

Left Out: 0.001+/-0.000 χ^2/NDF:2720984.6/24

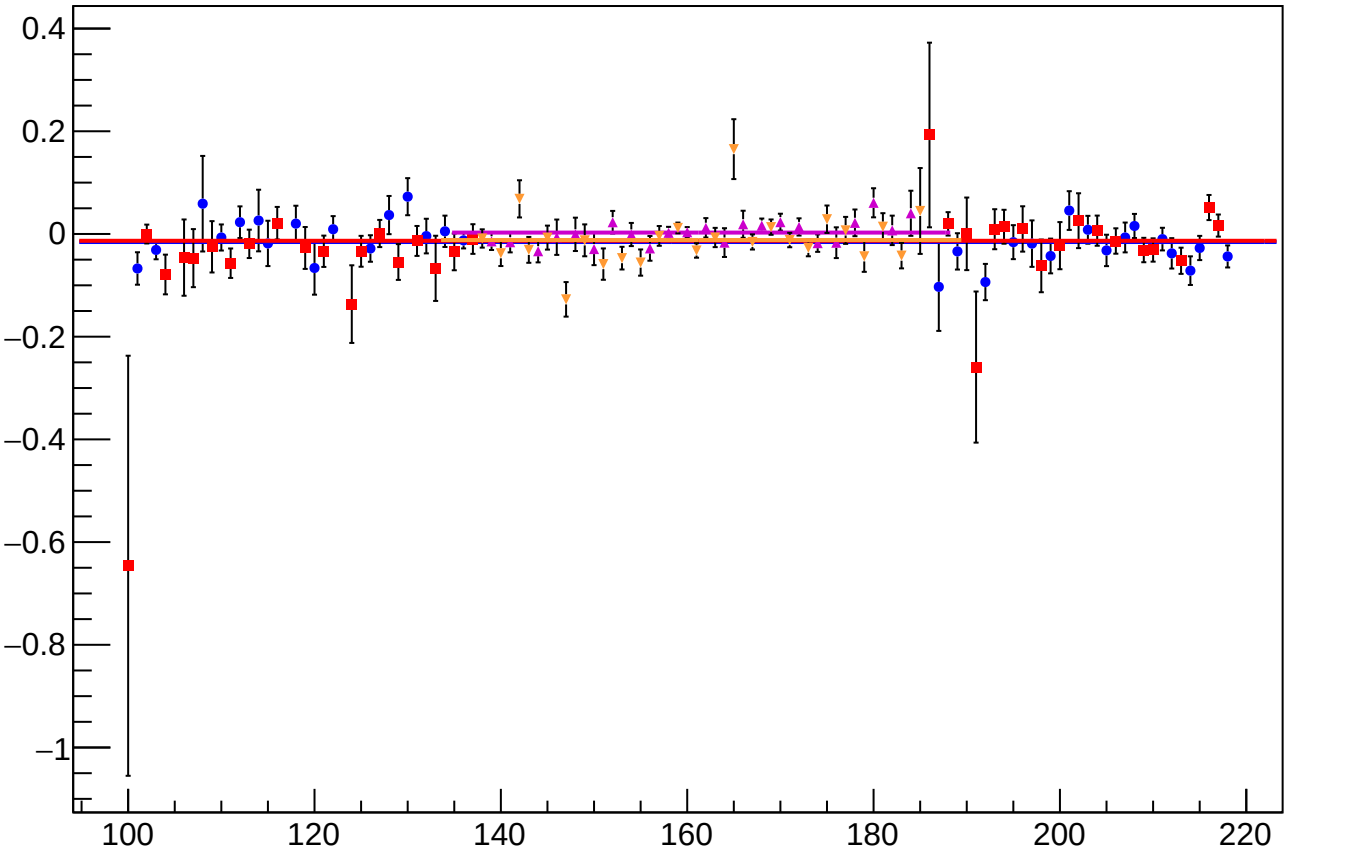
Right Out: 0.001+/-0.000 χ^2/NDF: 8820992.5/35

Left In: 0.001+/-0.000 χ^2/NDF:3494983.4/22

+ sign 0.001+/-0.000 χ^2/NDF: 6293625.4/56

All: 0.001+/-0.000 χ^2/NDF: 19186051.5/115

- sign 0.001+/-0.000 χ^2/NDF: 12316360.3/58



Right In: -0.016+/-0.005 χ^2/NDF: 36.9/31

Left Out: -0.012+/-0.004 χ^2/NDF:53.4/24

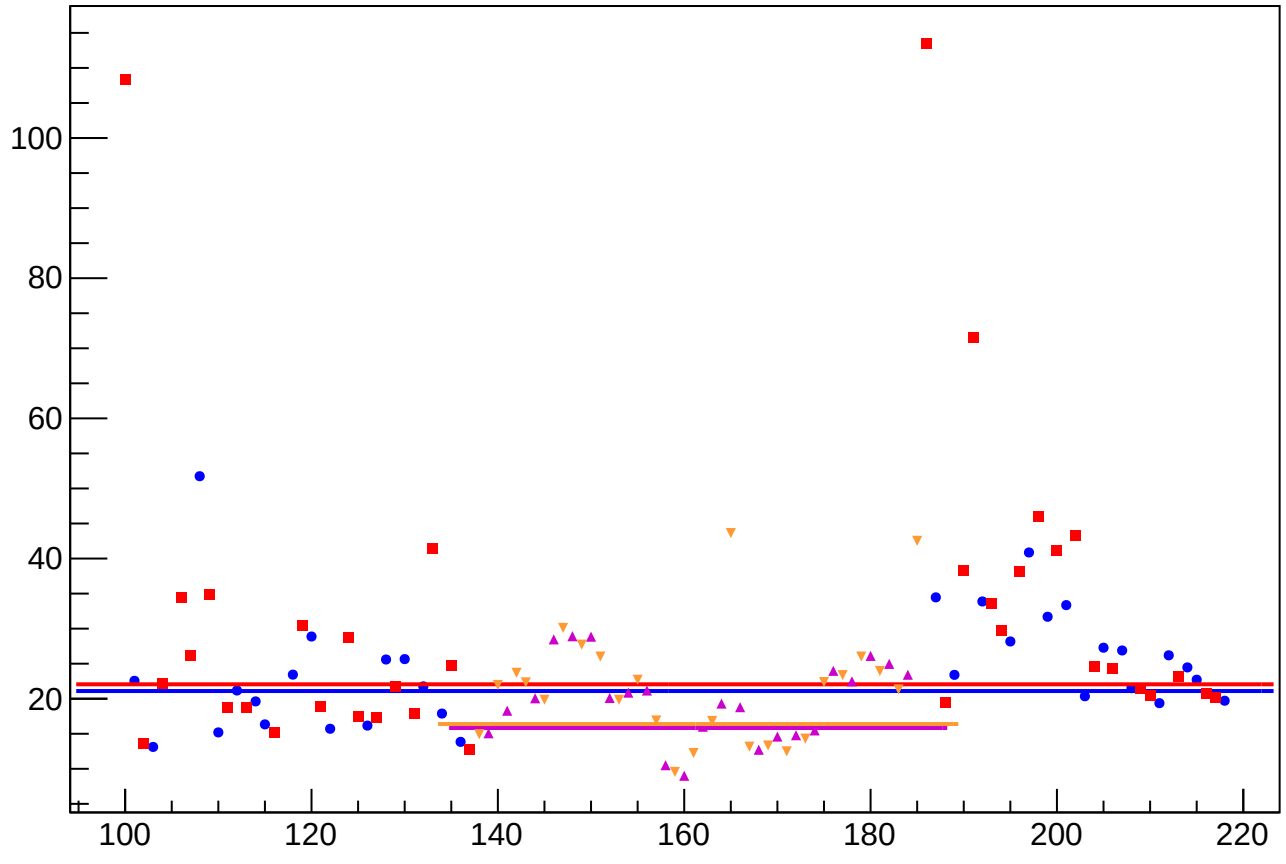
Right Out: -0.013+/-0.005 χ^2/NDF: 38.3/35

Left In: 0.003+/-0.004 χ^2/NDF:19.8/22

+ sign -0.013+/-0.003 χ^2/NDF: 90.7/56

All: -0.008+/-0.002 χ^2/NDF: 159.5/115

- sign -0.003+/-0.003 χ^2/NDF: 63.6/58



Right In: 21.097+/-0.004 χ^2/NDF: 2949251.5/31

Left Out: 16.387+/-0.003 χ^2/NDF:4030277.2/24

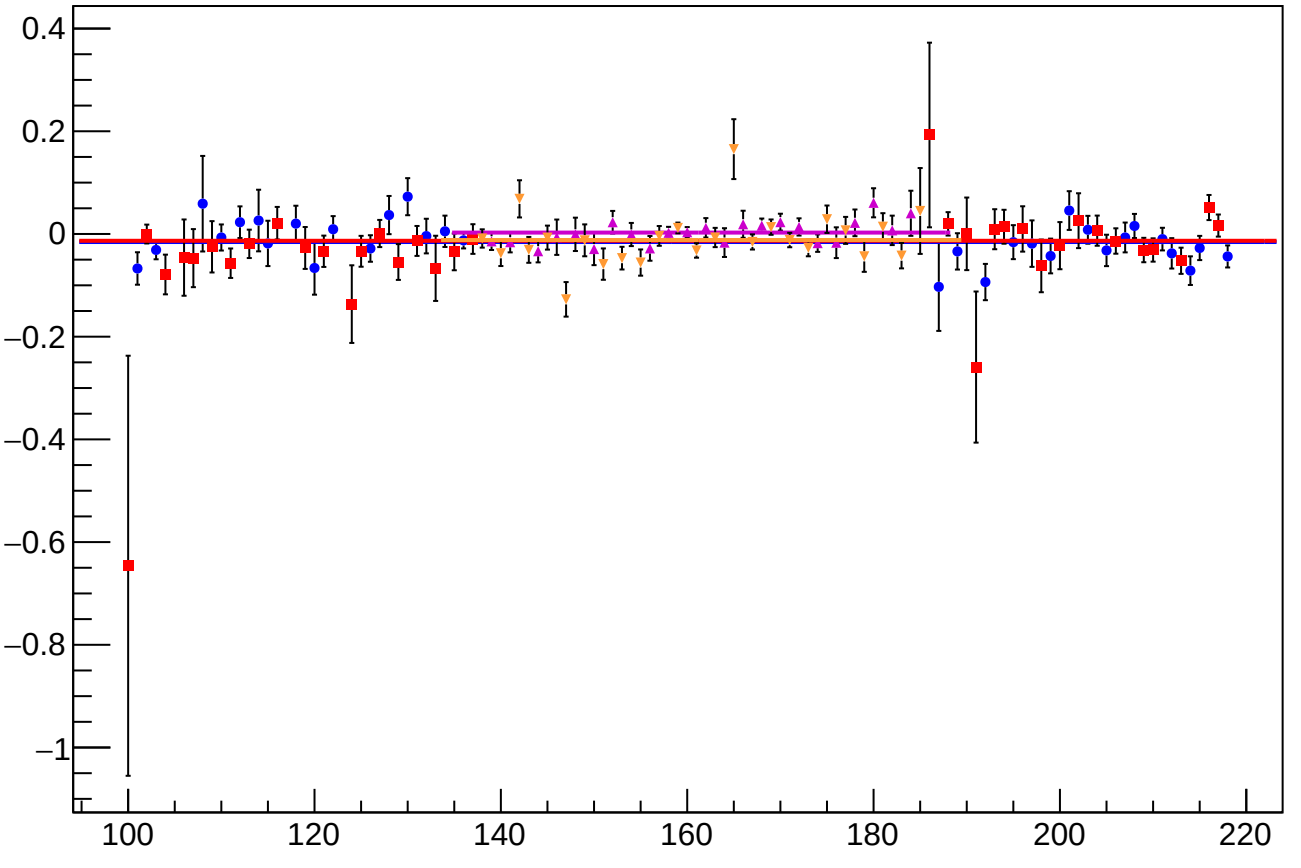
Right Out: 22.058+/-0.004 χ^2/NDF: 4139242.9/35

Left In: 15.823+/-0.003 χ^2/NDF:3654834.3/22

+ sign 18.201+/-0.002 χ^2/NDF: 8013131.1/56

All: 18.127+/-0.002 χ^2/NDF: 17510874.0/115

- sign 18.051+/-0.002 χ^2/NDF: 9495541.6/58



Right In: -0.016+/-0.005 χ^2/NDF: 36.9/31

Left Out: -0.012+/-0.004 χ^2/NDF:53.4/24

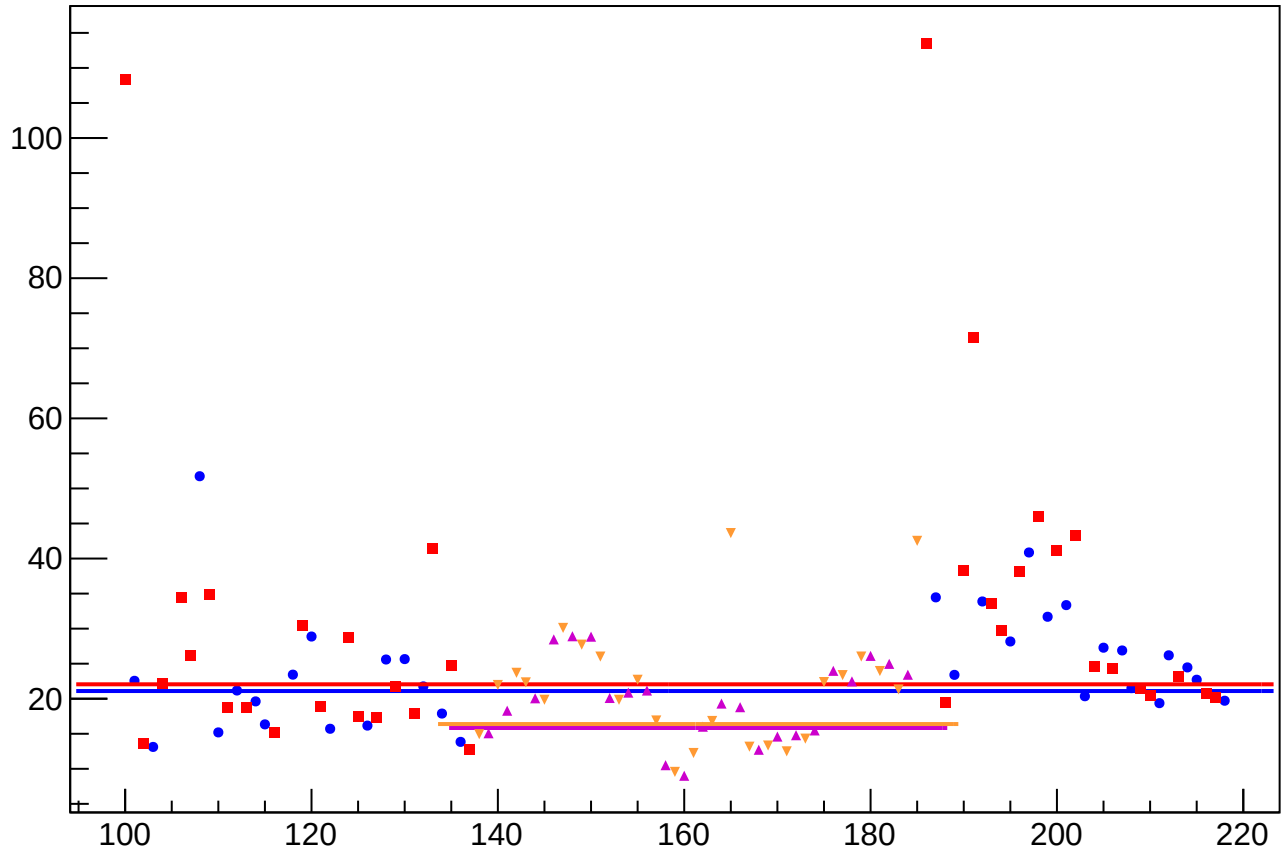
Right Out: -0.013+/-0.005 χ^2/NDF: 38.3/35

Left In: 0.003+/-0.004 χ^2/NDF:19.8/22

+ sign -0.013+/-0.003 χ^2/NDF: 90.7/56

All: -0.008+/-0.002 χ^2/NDF: 159.5/115

- sign -0.003+/-0.003 χ^2/NDF: 63.6/58



Right In: 21.097+/-0.004 χ^2/NDF: 2949251.5/31

Left Out: 16.387+/-0.003 χ^2/NDF:4030277.2/24

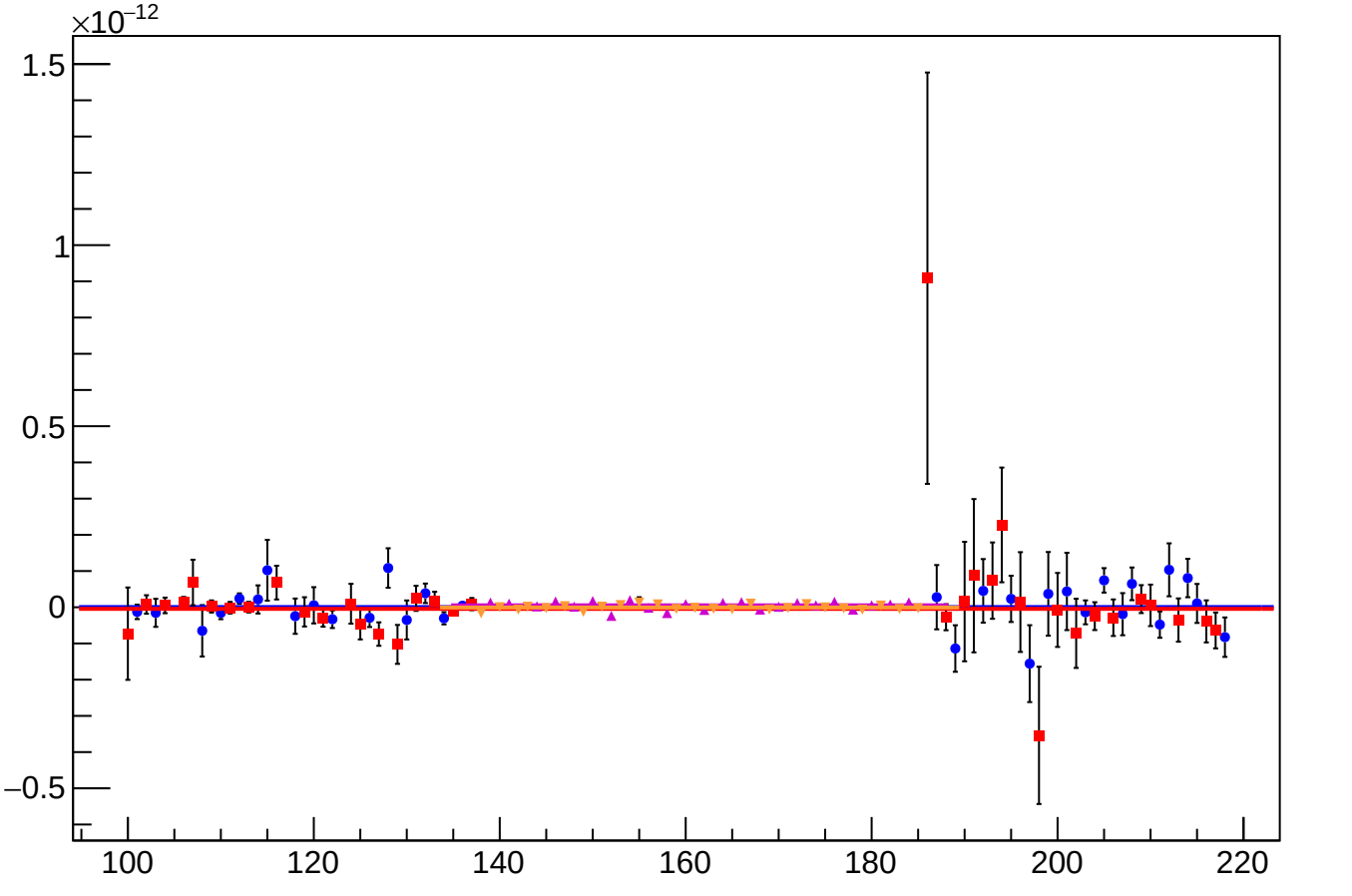
Right Out: 22.058+/-0.004 χ^2/NDF: 4139242.9/35

Left In: 15.823+/-0.003 χ^2/NDF:3654834.3/22

+ sign 18.201+/-0.002 χ^2/NDF: 8013131.1/56

All: 18.127+/-0.002 χ^2/NDF: 17510874.0/115

- sign 18.051+/-0.002 χ^2/NDF: 9495541.6/58



Right In: 0.000+/-0.000 χ^2/NDF: 41.9/31

Left Out: -0.000+/-0.000 χ^2/NDF:19.1/24

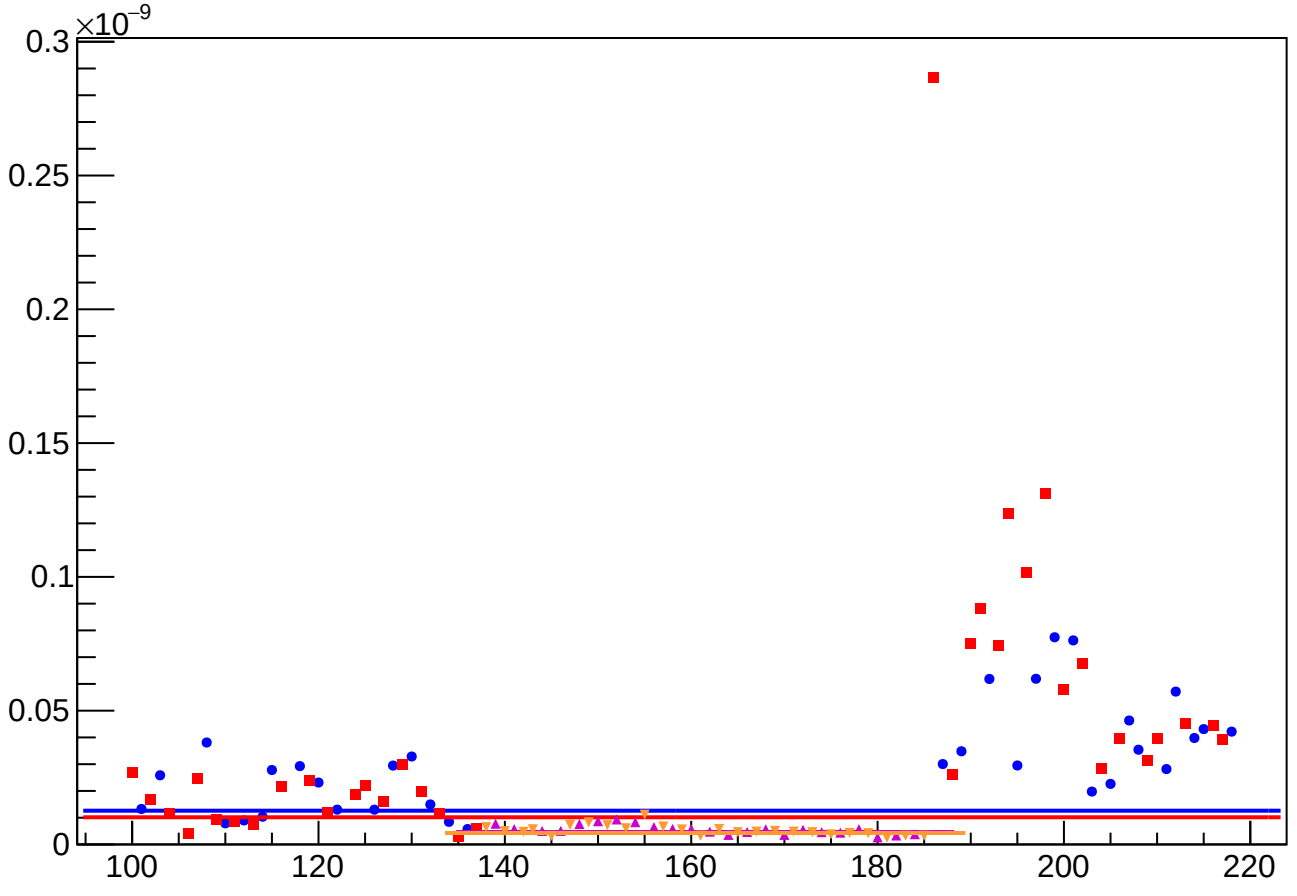
Right Out: -0.000+/-0.000 χ^2/NDF: 32.2/35

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

+ sign -0.000+/-0.000 χ^2/NDF: 61.1/56

All: 0.000+/-0.000 χ^2/NDF: 143.4/115

- sign 0.000+/-0.000 χ^2/NDF: 74.7/58



Right In: 0.000+/-0.000 χ^2/NDF: 10537607.1/31

Left Out: 0.000+/-0.000 χ^2/NDF:2583638.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 14140733.3/35

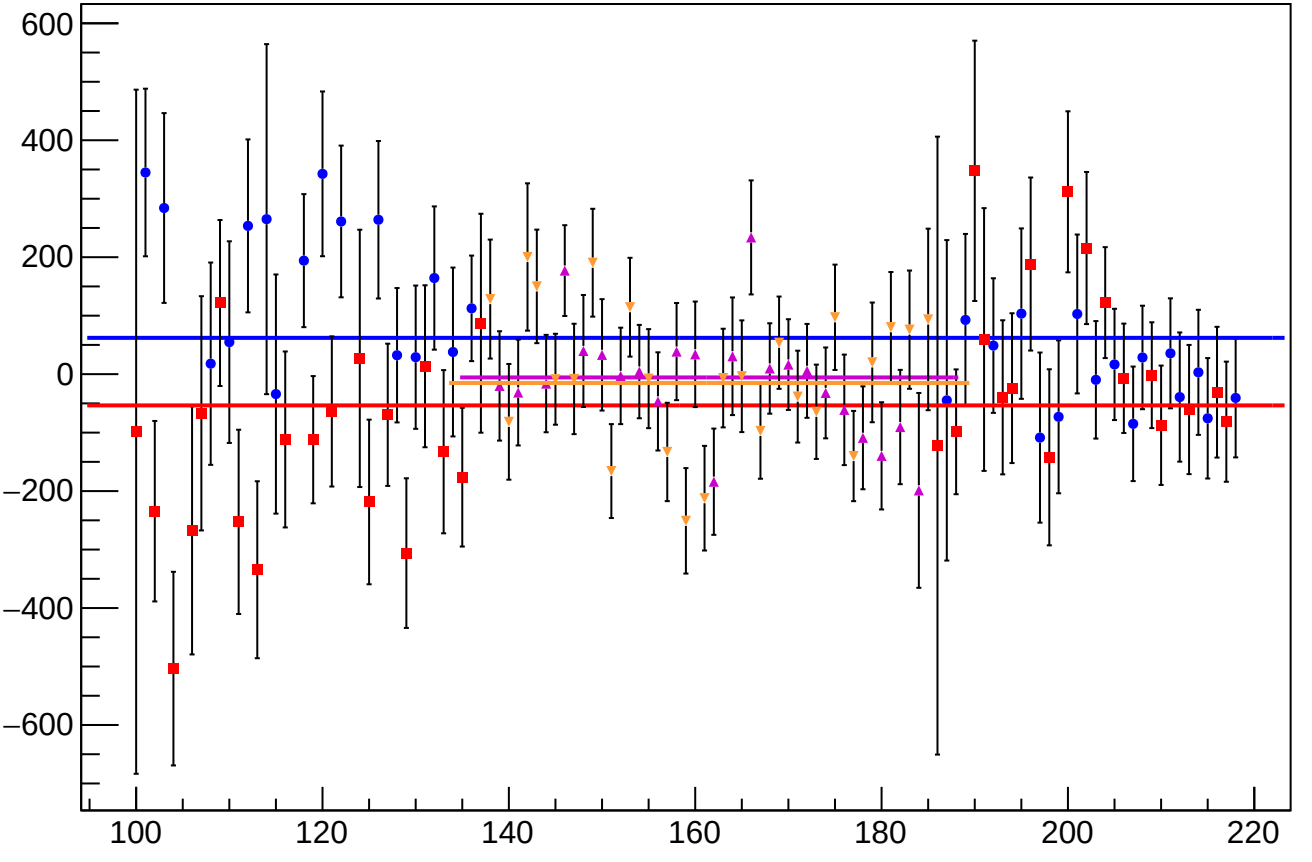
Left In: 0.000+/-0.000 χ^2/NDF:2508440.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 18888613.6/56

All: 0.000+/-0.000 χ^2/NDF: 38562127.4/115

- sign 0.000+/-0.000 χ^2/NDF: 19606263.2/58

reg_asym_sam_24_68_dd_mean vs Slug



Right In: 62.076+/-21.753 χ^2/NDF: 29.3/31

Left Out: -15.100+/-17.957 χ^2/NDF:41.6/24

Right Out: -53.445+/-22.327 χ^2/NDF: 46.7/35

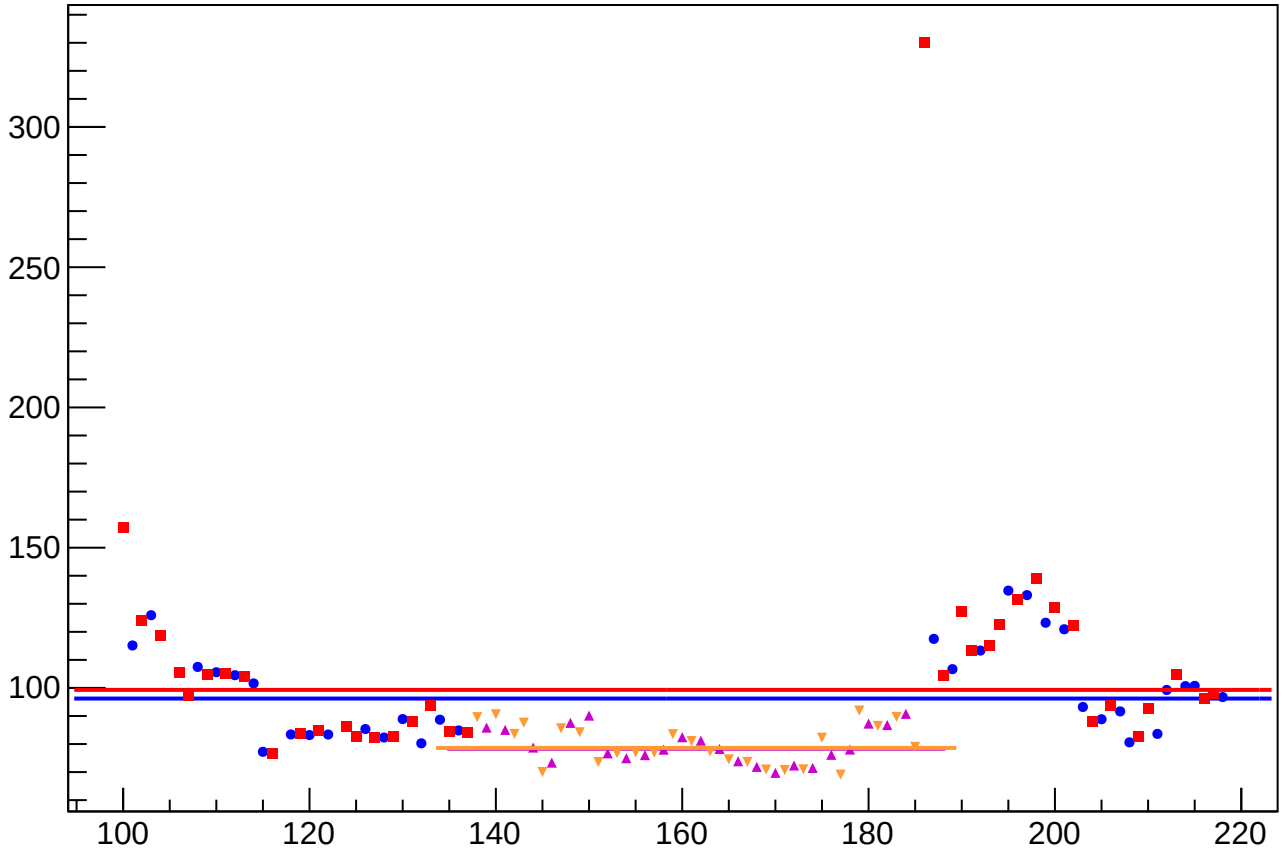
Left In: -5.629+/-18.382 χ^2/NDF:23.0/22

+ sign 16.178+/-13.848 χ^2/NDF: 78.4/56

All: -3.882+/-9.911 χ^2/NDF: 155.2/115

- sign -24.946+/-14.191 χ^2/NDF: 72.5/58

reg_asym_sam_24_68_dd_rms vs Slug



Right In: 96.218+/-0.015 χ^2/NDF: 934208.1/31

Left Out: 78.618+/-0.013 χ^2/NDF:307235.6/24

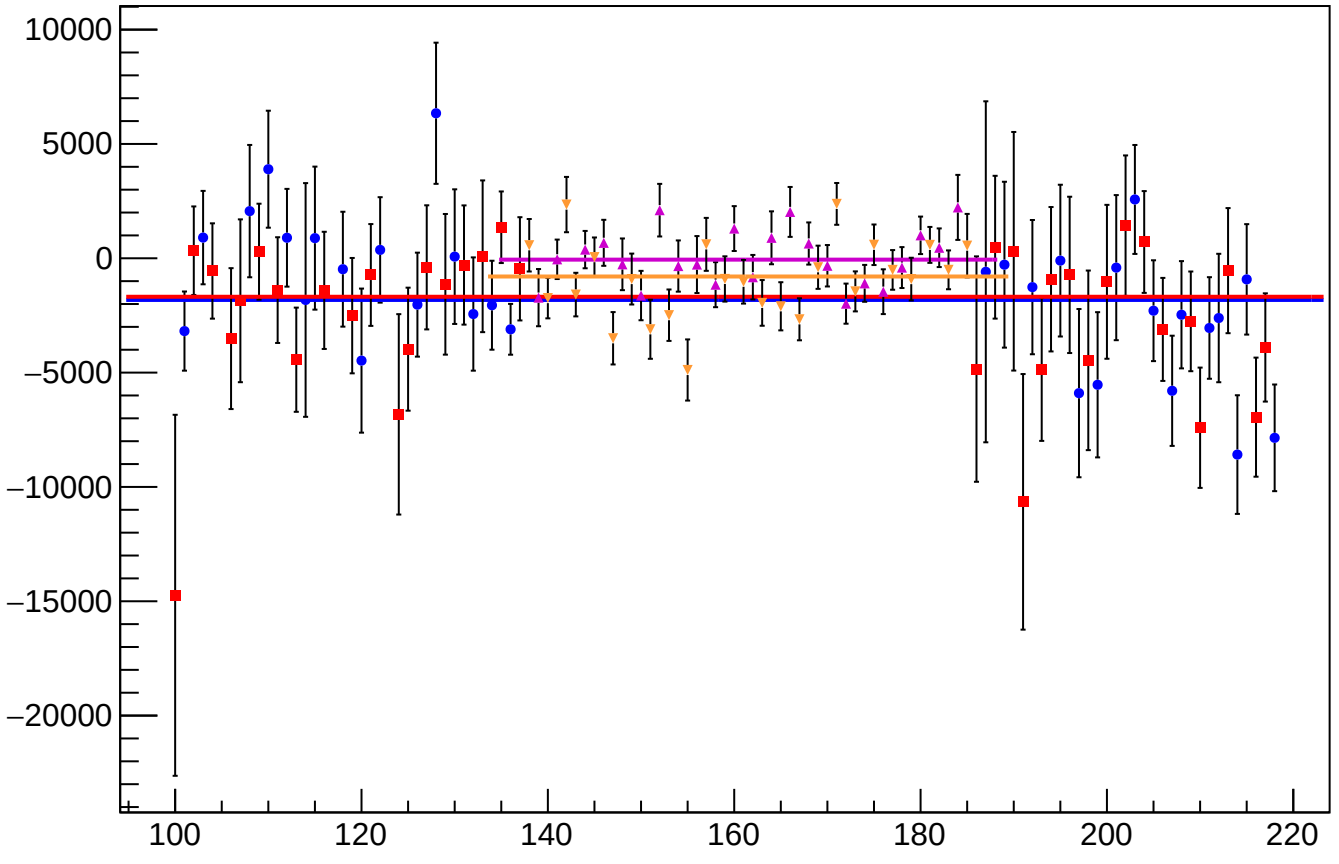
Right Out: 99.305+/-0.016 χ^2/NDF: 1413561.0/35

Left In: 78.334+/-0.013 χ^2/NDF:209146.2/22

+ sign 85.751+/-0.010 χ^2/NDF: 2020109.2/56

All: 86.266+/-0.007 χ^2/NDF: 4700131.1/115

- sign 86.806+/-0.010 χ^2/NDF: 2674357.1/58



Right In: -1822.186+/-428.523 χ^2/NDF: 45.8/31

Left Out: -797.000+/-197.884 χ^2/NDF:59.5/24

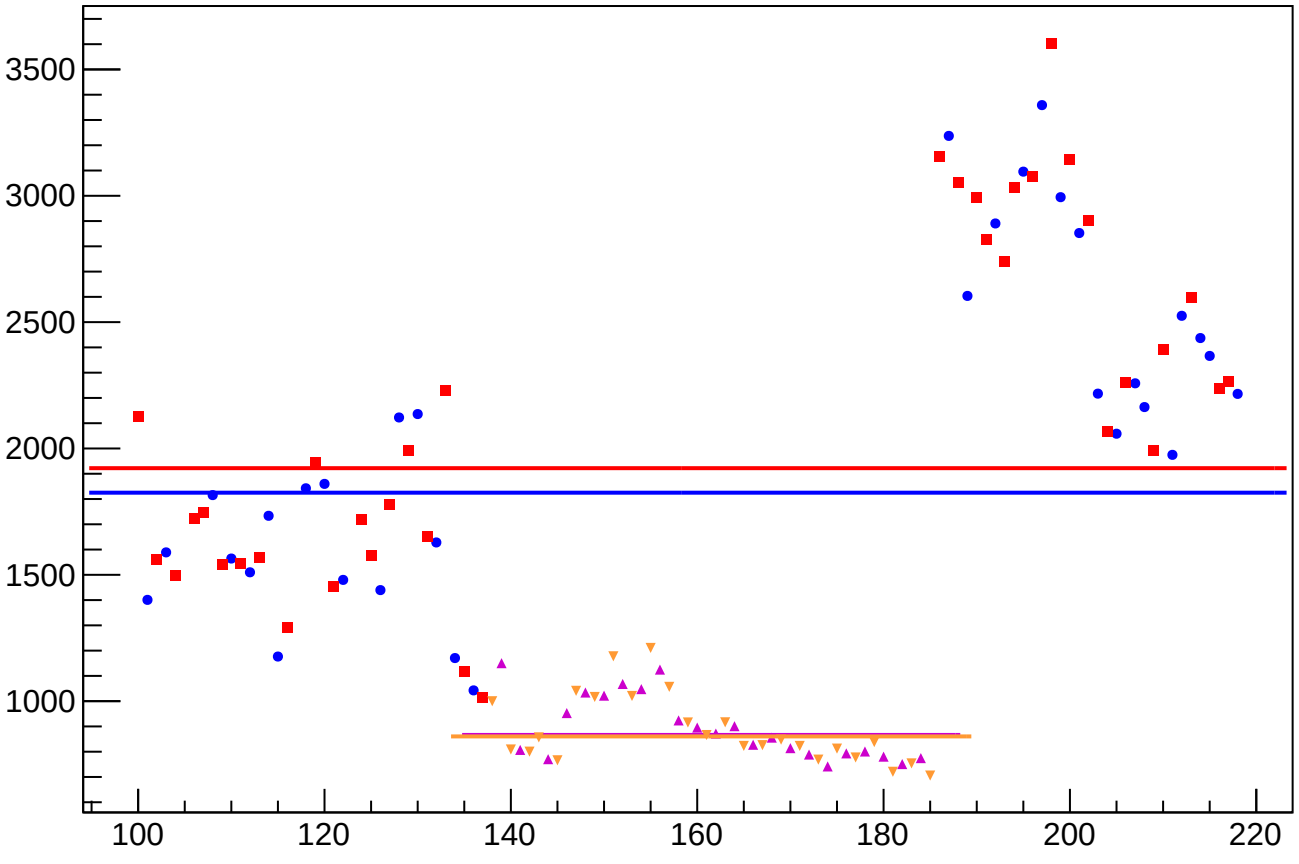
Right Out: -1683.090+/-444.454 χ^2/NDF: 32.1/35

Left In: -59.494+/-204.437 χ^2/NDF:30.5/22

+ sign -977.189+/-179.654 χ^2/NDF: 110.0/56

All: -670.648+/-129.129 χ^2/NDF: 189.7/115

- sign -343.019+/-185.731 χ^2/NDF: 73.6/58



Right In: 1825.066+/-0.303 χ^2/NDF: 3805067.6/31

Left Out: 860.492+/-0.140 χ^2/NDF:699252.0/24

Right Out: 1922.056+/-0.314 χ^2/NDF: 3763238.0/35

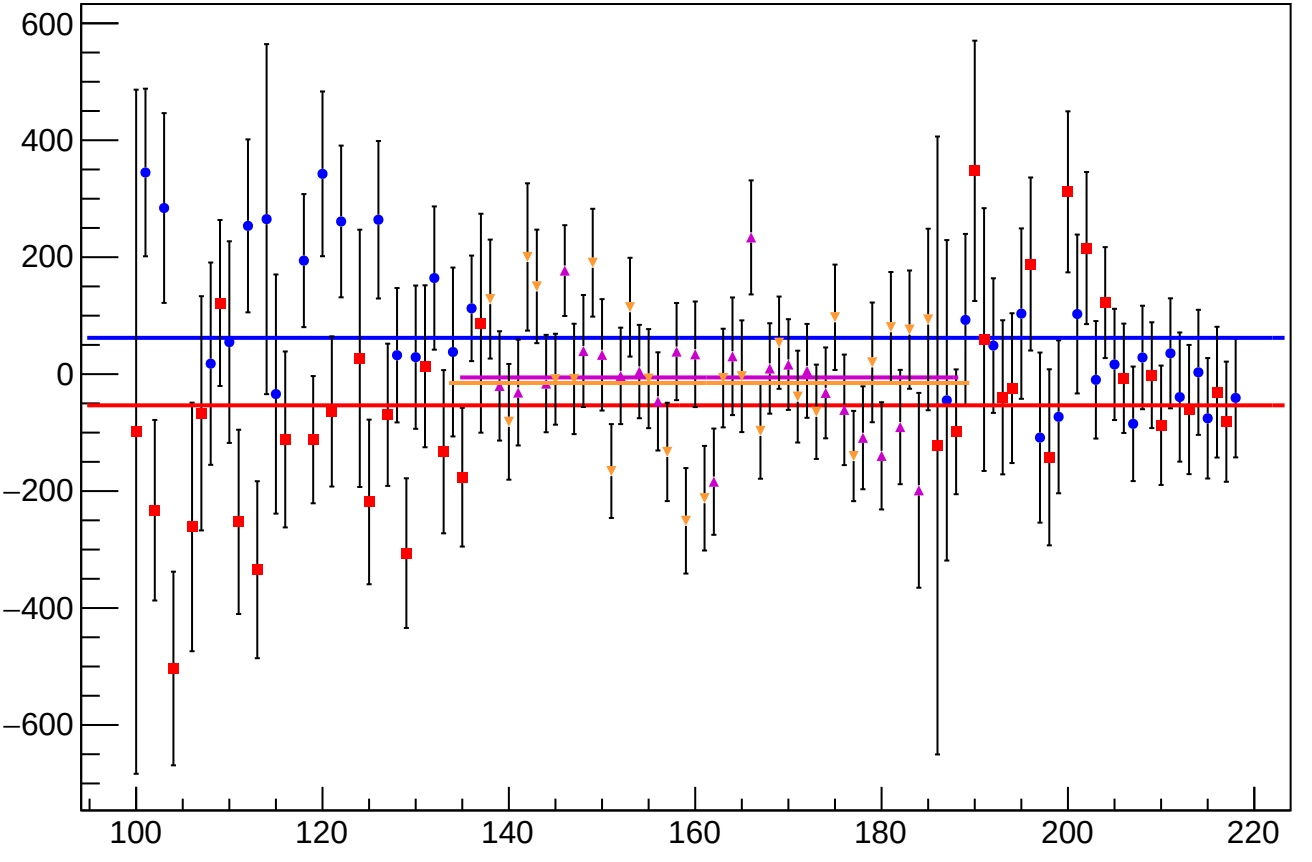
Left In: 866.351+/-0.145 χ^2/NDF:613257.7/22

+ sign 1030.027+/-0.127 χ^2/NDF: 12856598.2/56

All: 1040.023+/-0.091 χ^2/NDF: 26559344.0/1

- sign 1050.707+/-0.131 χ^2/NDF: 13689936.8/58

cor_asym_sam_24_68_dd_mean vs Slug



Right In: 62.070+/-21.753 χ^2/NDF: 29.3/31

Left Out: -15.098+/-17.957 χ^2/NDF:41.6/24

Right Out: -53.334+/-22.327 χ^2/NDF: 46.7/35

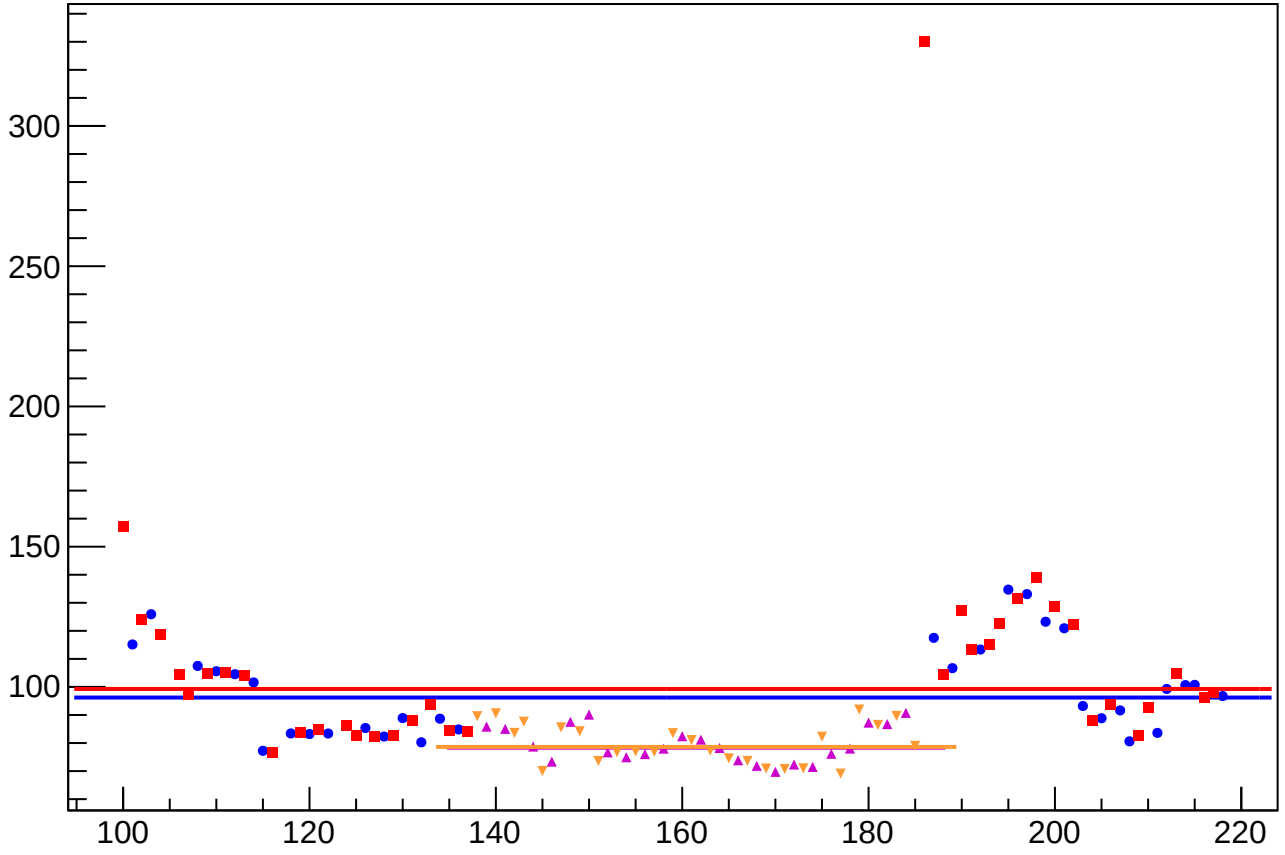
Left In: -5.626+/-18.382 χ^2/NDF:23.0/22

+ sign 16.177+/-13.848 χ^2/NDF: 78.4/56

All: -3.859+/-9.911 χ^2/NDF: 155.1/115

- sign -24.899+/-14.191 χ^2/NDF: 72.4/58

cor_asym_sam_24_68_dd_rms vs Slug



Right In: 96.218+/-0.015 χ^2/NDF: 934209.7/31

Left Out: 78.618+/-0.013 χ^2/NDF:307235.6/24

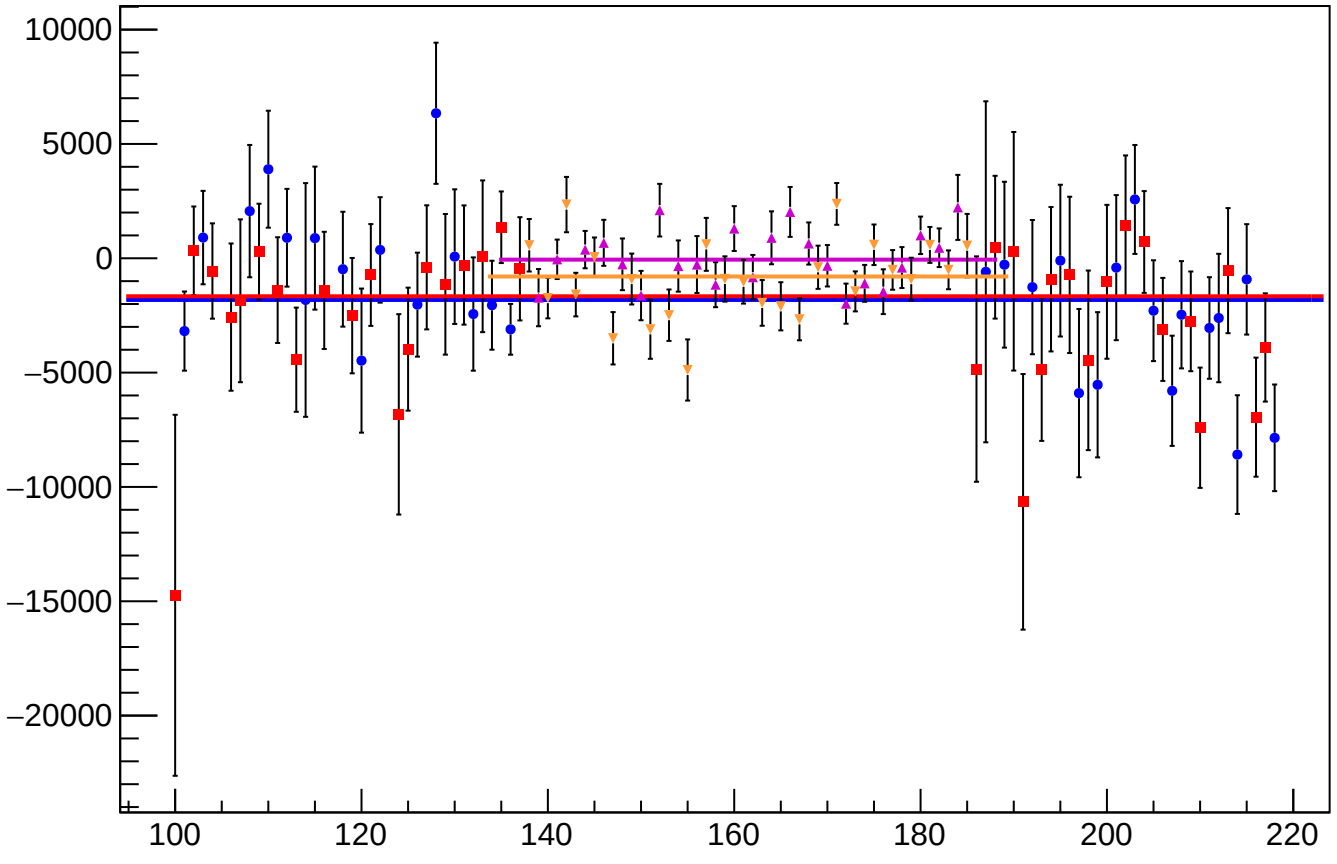
Right Out: 99.292+/-0.016 χ^2/NDF: 1413096.3/35

Left In: 78.334+/-0.013 χ^2/NDF:209146.2/22

+ sign 85.751+/-0.010 χ^2/NDF: 2020111.1/56

All: 86.263+/-0.007 χ^2/NDF: 4698198.8/115

- sign 86.801+/-0.010 χ^2/NDF: 2672485.2/58



Right In: -1822.175+/-428.524 χ^2/NDF: 45.8/31

Left Out: -797.000+/-197.884 χ^2/NDF:59.5/24

Right Out: -1662.203+/-444.854 χ^2/NDF: 31.9/35

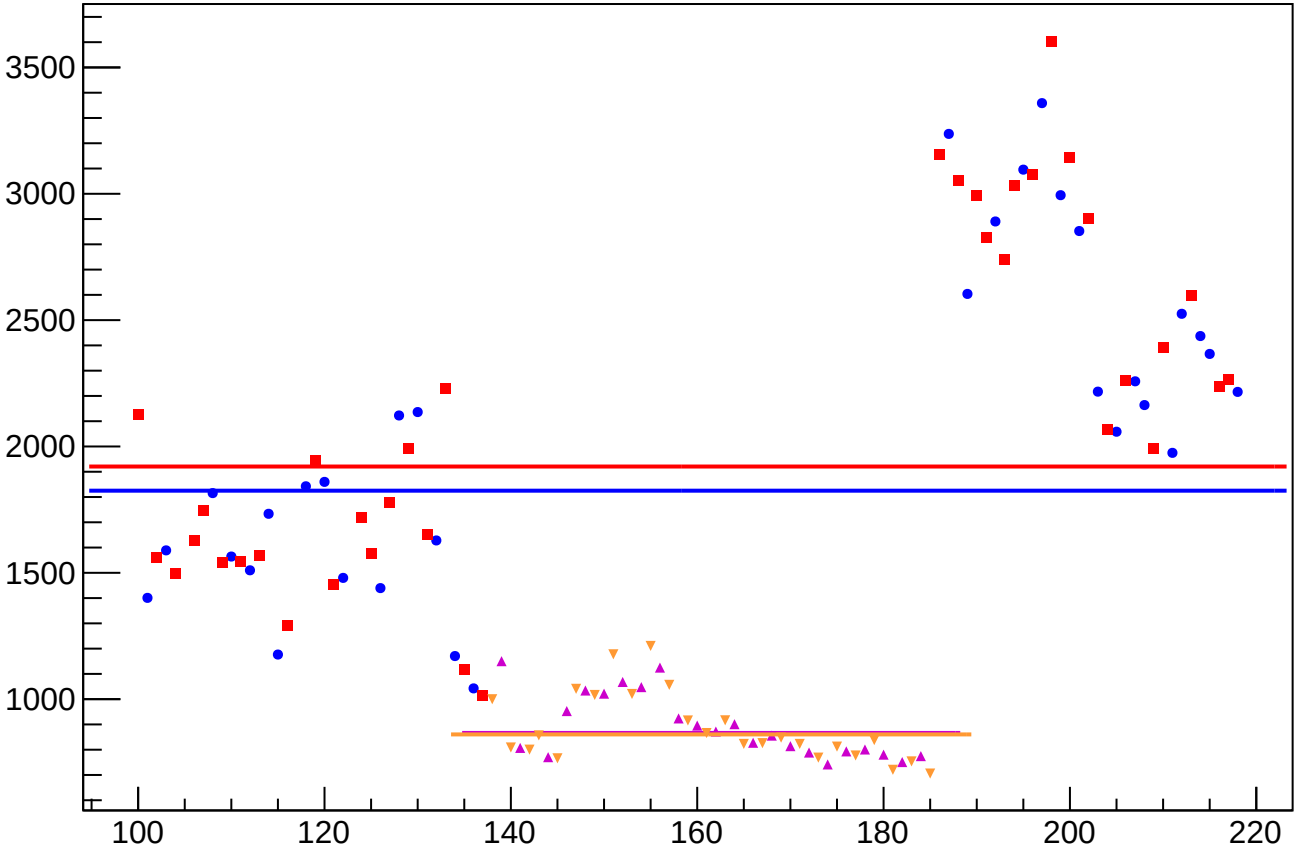
Left In: -59.494+/-204.437 χ^2/NDF:30.5/22

+ sign -977.186+/-179.654 χ^2/NDF: 110.0/56

All: -668.733+/-129.139 χ^2/NDF: 189.2/115

- sign -338.957+/-185.760 χ^2/NDF: 73.0/58

asym_sam_24_68_dd_cor_correction_rms vs Slug



Right In: 1825.070+/-0.303 χ^2/NDF: 3805052.3/31

Left Out: 860.492+/-0.140 χ^2/NDF:699250.7/24

Right Out: 1920.661+/-0.315 χ^2/NDF: 3771153.0/35

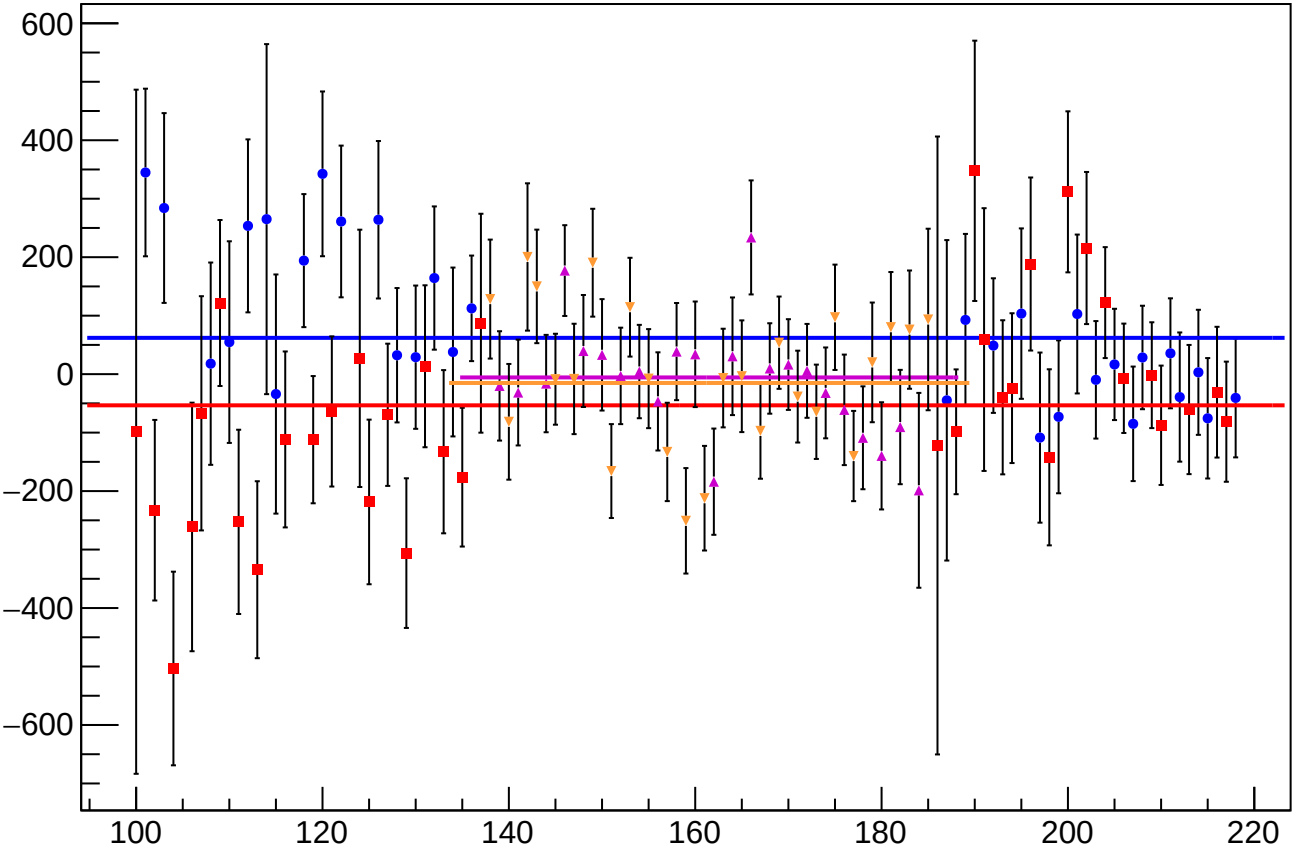
Left In: 866.352+/-0.145 χ^2/NDF:613256.3/22

+ sign 1030.028+/-0.127 χ^2/NDF: 12856617.3/56

All: 1039.772+/-0.091 χ^2/NDF: 26528281.3/1

- sign 1050.191+/-0.131 χ^2/NDF: 13659488.2/58

eigen_cor_asym_sam_24_68_dd_mean vs Slug



Right In: 62.070+/-21.753 χ^2/NDF: 29.3/31

Left Out: -15.098+/-17.957 χ^2/NDF:41.6/24

Right Out: -53.334+/-22.327 χ^2/NDF: 46.7/35

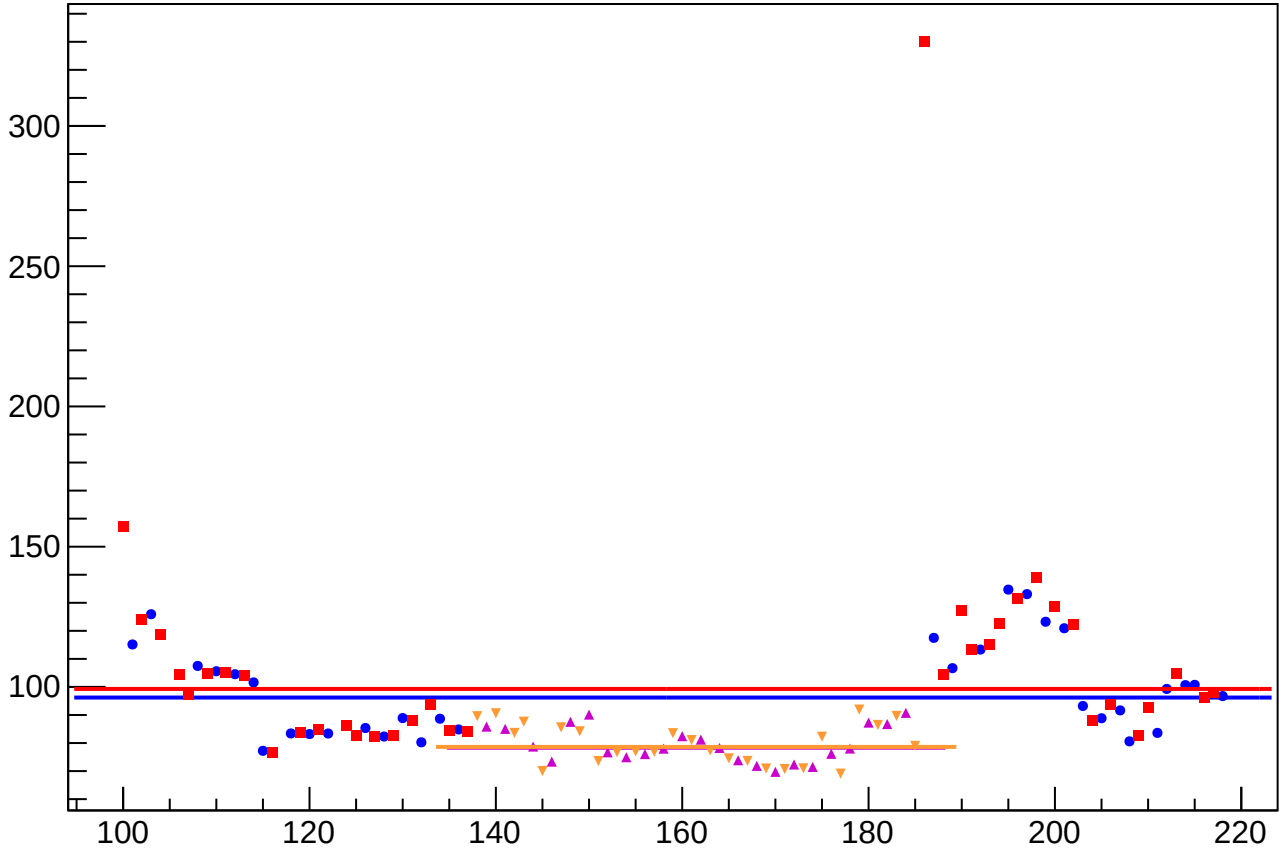
Left In: -5.626+/-18.382 χ^2/NDF:23.0/22

+ sign 16.177+/-13.848 χ^2/NDF: 78.4/56

All: -3.859+/-9.911 χ^2/NDF: 155.1/115

- sign -24.899+/-14.191 χ^2/NDF: 72.4/58

eigen_cor_asym_sam_24_68_dd_rms vs Slug



Right In: 96.218+/-0.015 χ^2/NDF: 934209.7/31

Left Out: 78.618+/-0.013 χ^2/NDF:307235.6/24

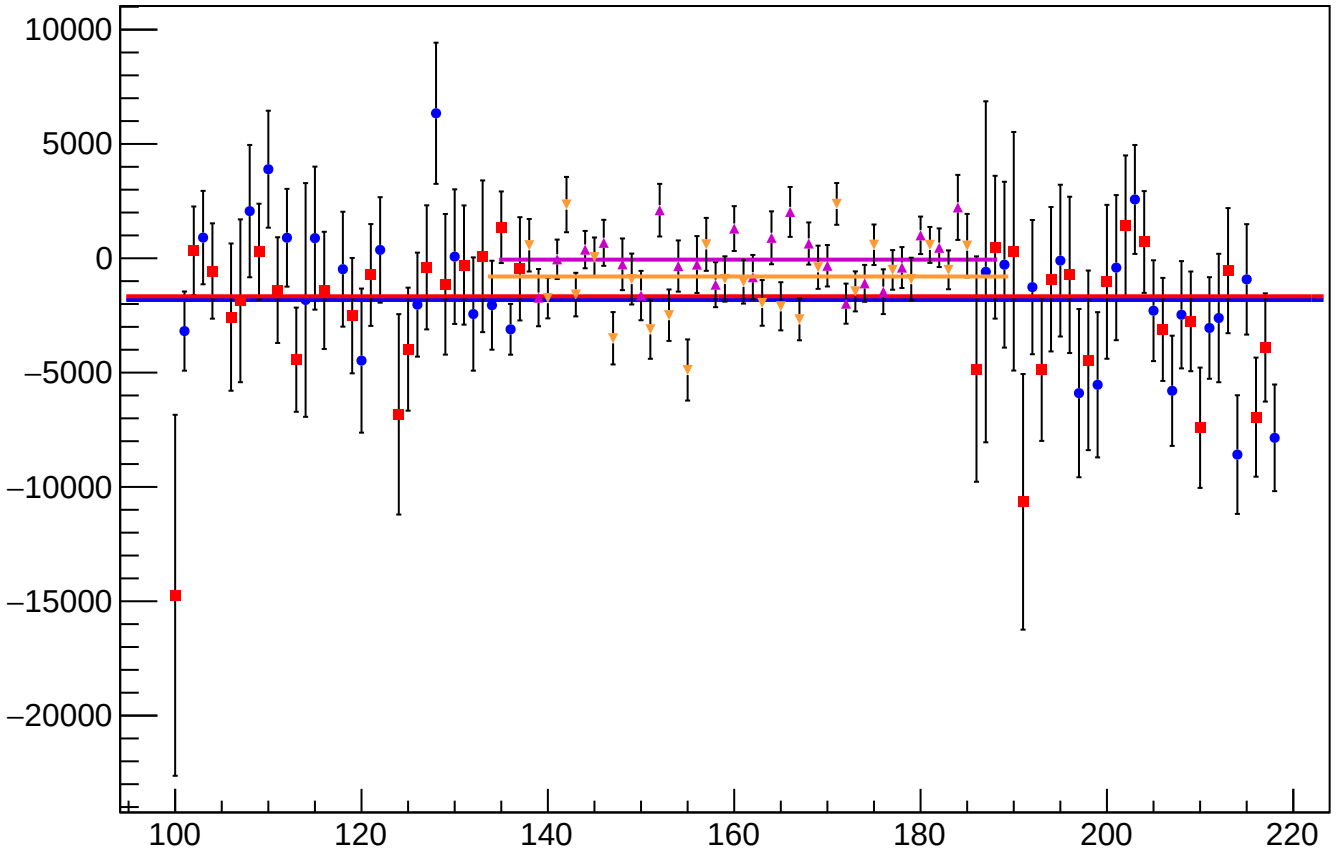
Right Out: 99.292+/-0.016 χ^2/NDF: 1413096.3/35

Left In: 78.334+/-0.013 χ^2/NDF:209146.2/22

+ sign 85.751+/-0.010 χ^2/NDF: 2020111.1/56

All: 86.263+/-0.007 χ^2/NDF: 4698198.8/115

- sign 86.801+/-0.010 χ^2/NDF: 2672485.2/58



Right In: -1822.175+/-428.524 χ^2/NDF: 45.8/31

Left Out: -797.000+/-197.884 χ^2/NDF:59.5/24

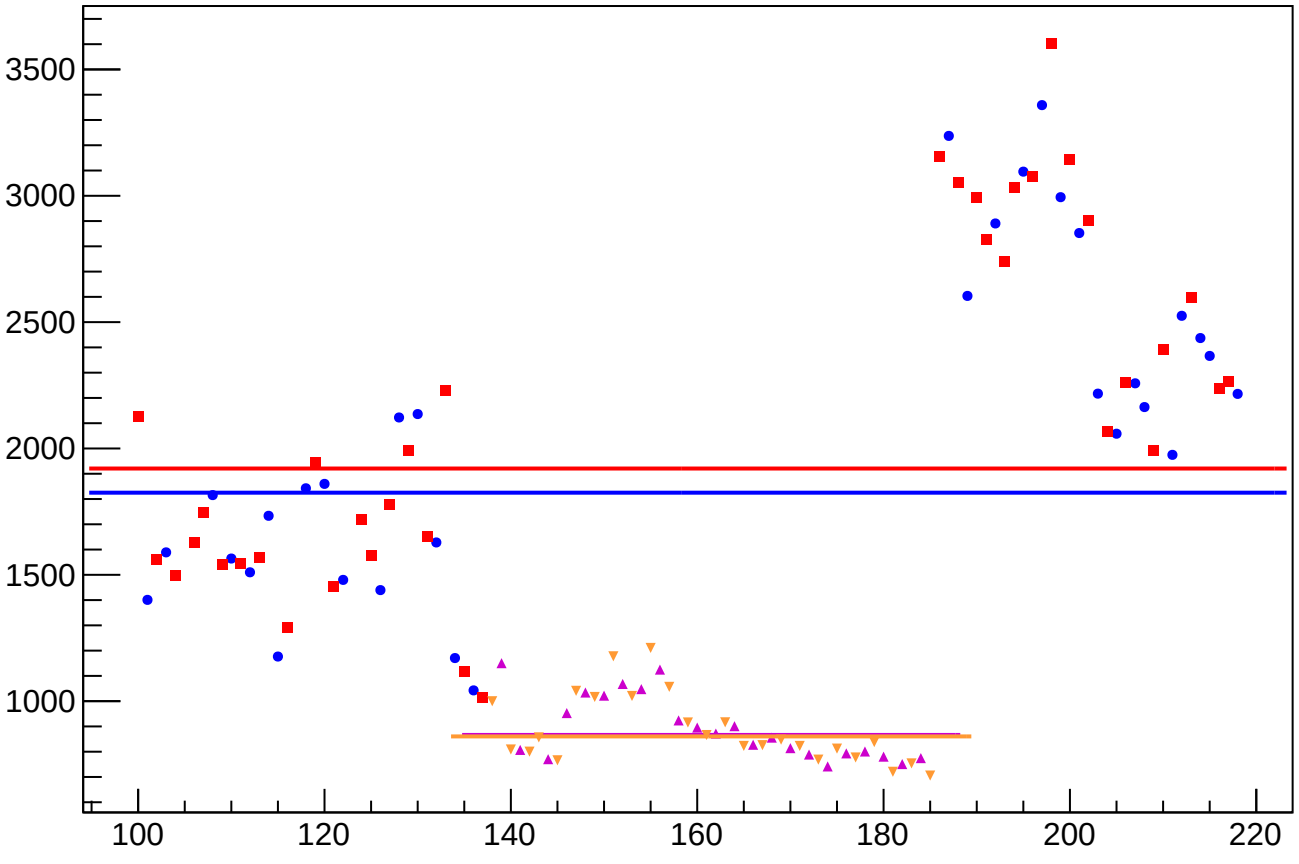
Right Out: -1662.203+/-444.854 χ^2/NDF: 31.9/35

Left In: -59.494+/-204.437 χ^2/NDF:30.5/22

+ sign -977.186+/-179.654 χ^2/NDF: 110.0/56

All: -668.733+/-129.139 χ^2/NDF: 189.2/115

- sign -338.957+/-185.760 χ^2/NDF: 73.0/58



Right In: 1825.070+/-0.303 χ^2/NDF: 3805052.3/31

Left Out: 860.492+/-0.140 χ^2/NDF:699250.7/24

Right Out: 1920.661+/-0.315 χ^2/NDF: 3771153.0/35

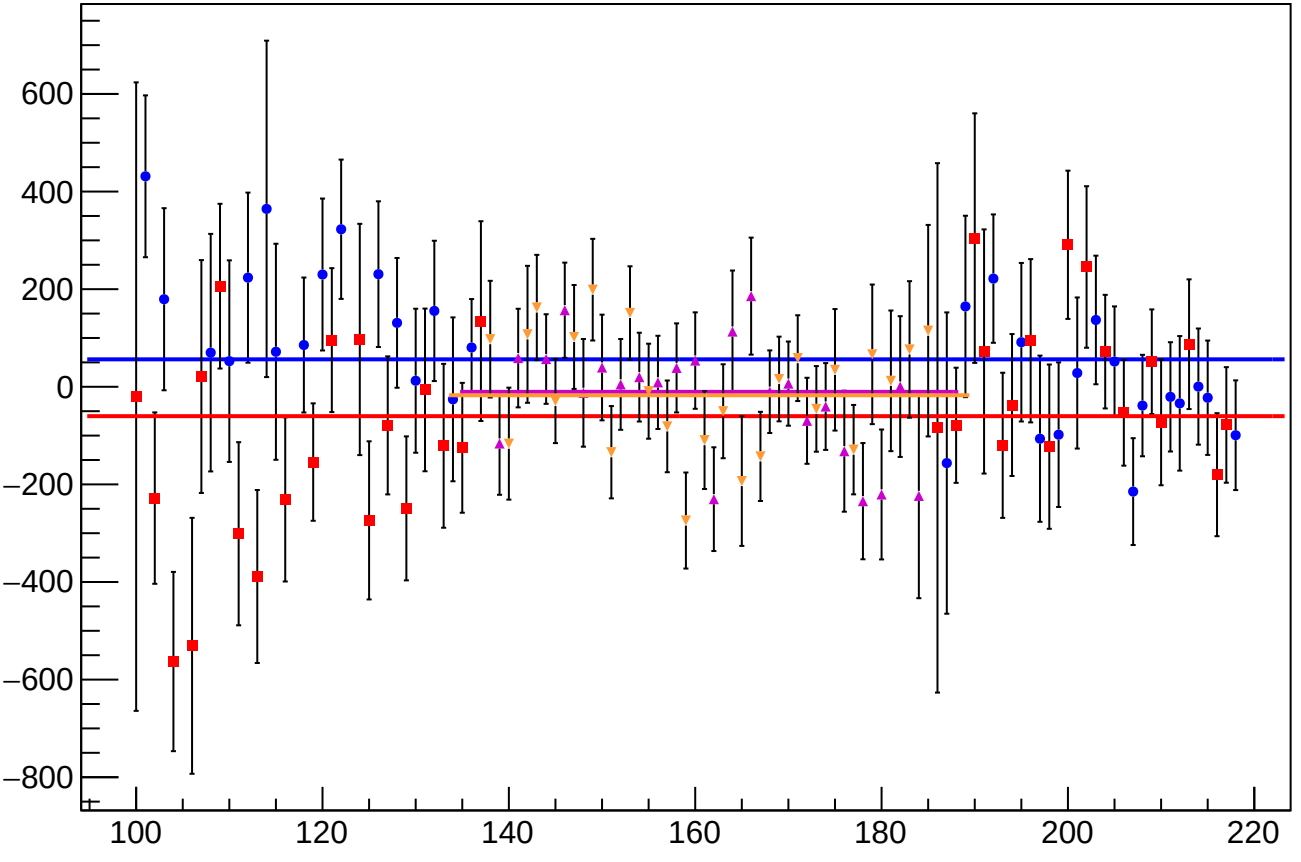
Left In: 866.352+/-0.145 χ^2/NDF:613256.3/22

+ sign 1030.028+/-0.127 χ^2/NDF: 12856617.3/56

All: 1039.772+/-0.091 χ^2/NDF: 26528281.3/1

- sign 1050.191+/-0.131 χ^2/NDF: 13659488.2/58

dit_asym_sam_24_68_dd_mean vs Slug



Right In: 56.228+/-25.265 χ^2/NDF: 29.9/31

Left Out: -17.356+/-20.987 χ^2/NDF:31.2/24

Right Out: -60.211+/-25.877 χ^2/NDF: 44.1/35

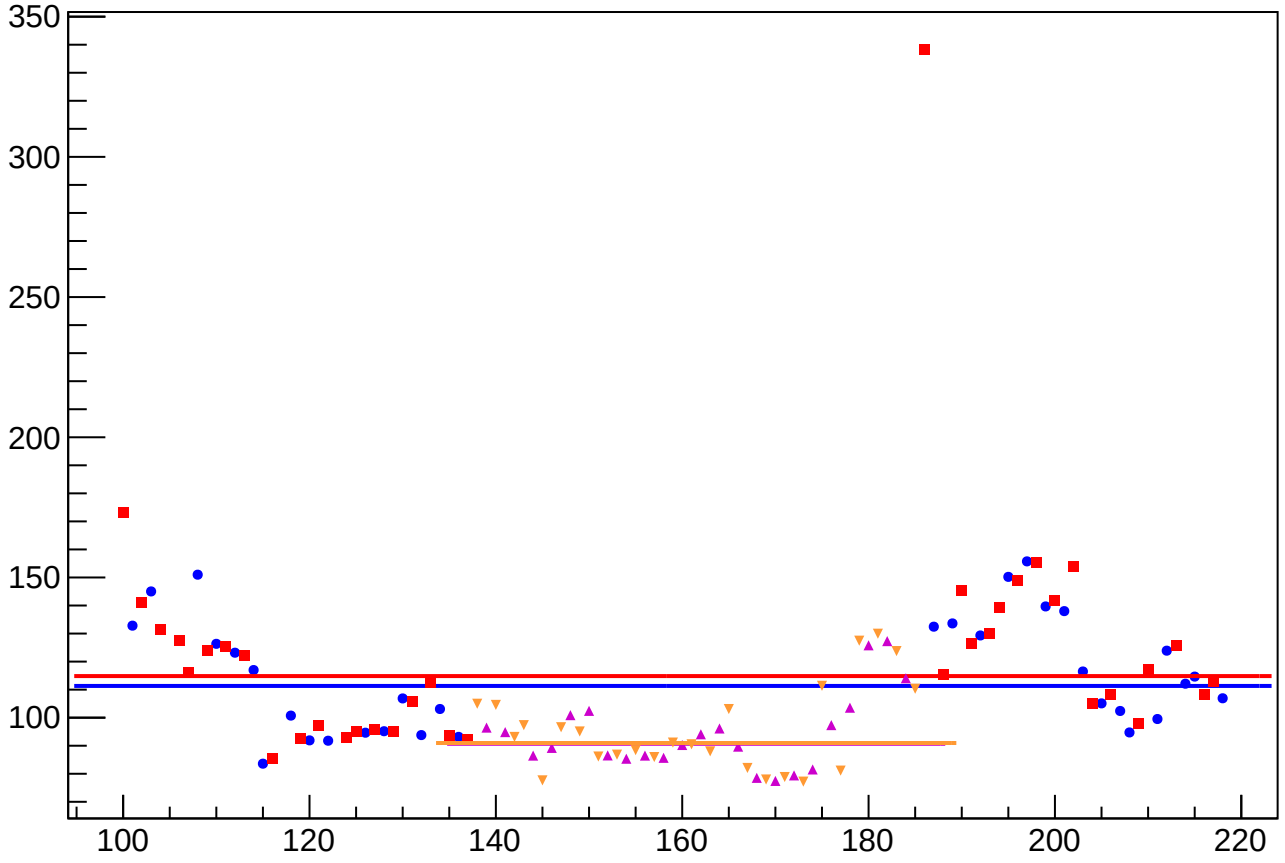
Left In: -10.412+/-21.503 χ^2/NDF:22.6/22

+ sign 12.687+/-16.144 χ^2/NDF: 66.1/56

All: -8.508+/-11.552 χ^2/NDF: 138.6/115

- sign -30.753+/-16.538 χ^2/NDF: 68.9/58

dit_asym_sam_24_68_dd_rms vs Slug



Right In: 111.320+/-0.018 χ^2/NDF: 1018046.7/31

Left Out: 90.967+/-0.015 χ^2/NDF:784523.6/24

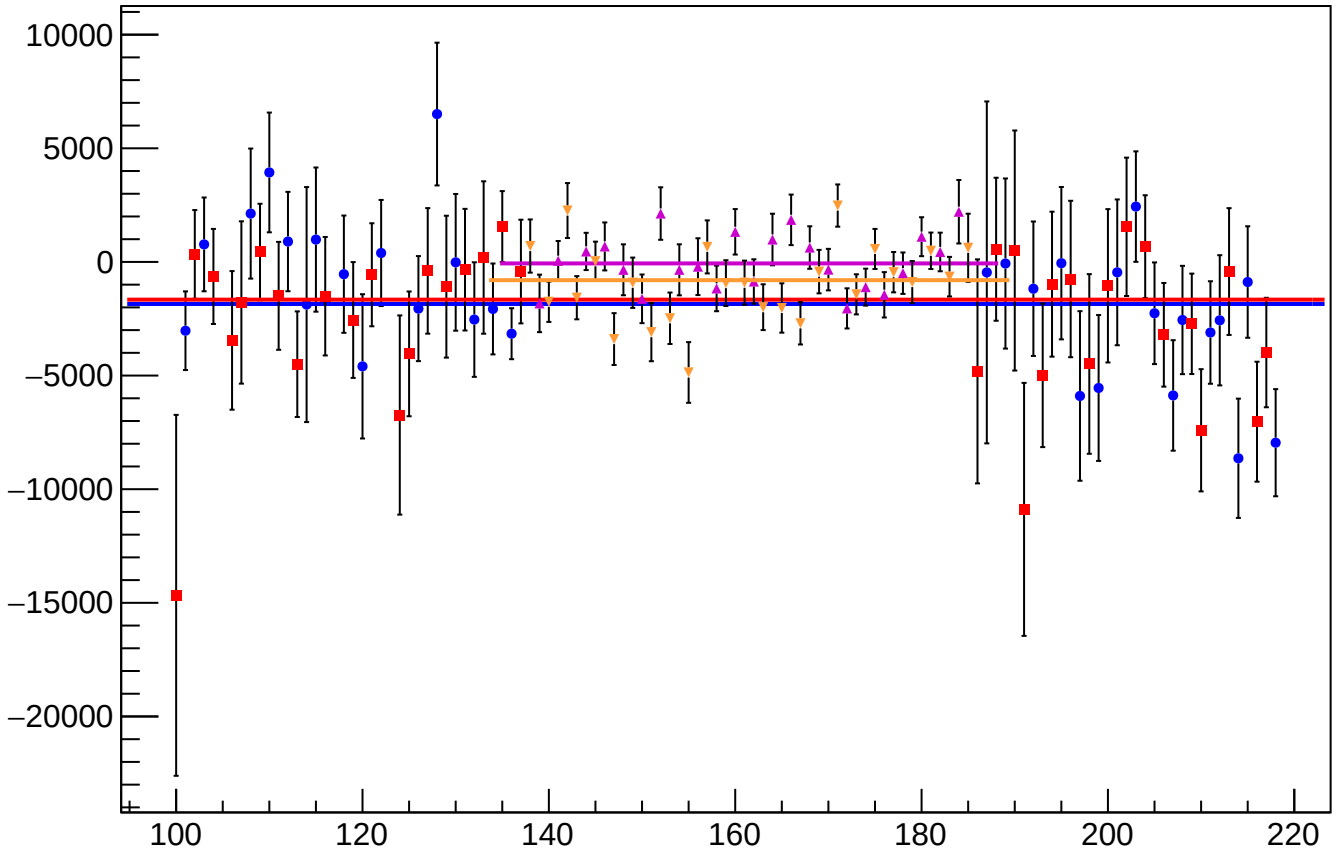
Right Out: 114.836+/-0.018 χ^2/NDF: 1369597.5/35

Left In: 90.690+/-0.015 χ^2/NDF:545969.6/22

+ sign 99.277+/-0.011 χ^2/NDF: 2570594.6/56

All: 99.899+/-0.008 χ^2/NDF: 5522349.4/115

- sign 100.553+/-0.012 χ^2/NDF: 2945656.1/58



Right In: -1850.714+/-434.432 χ^2/NDF: 45.2/31

Left Out: -802.532+/-199.851 χ^2/NDF:58.3/24

Right Out: -1659.724+/-449.356 χ^2/NDF: 32.9/35

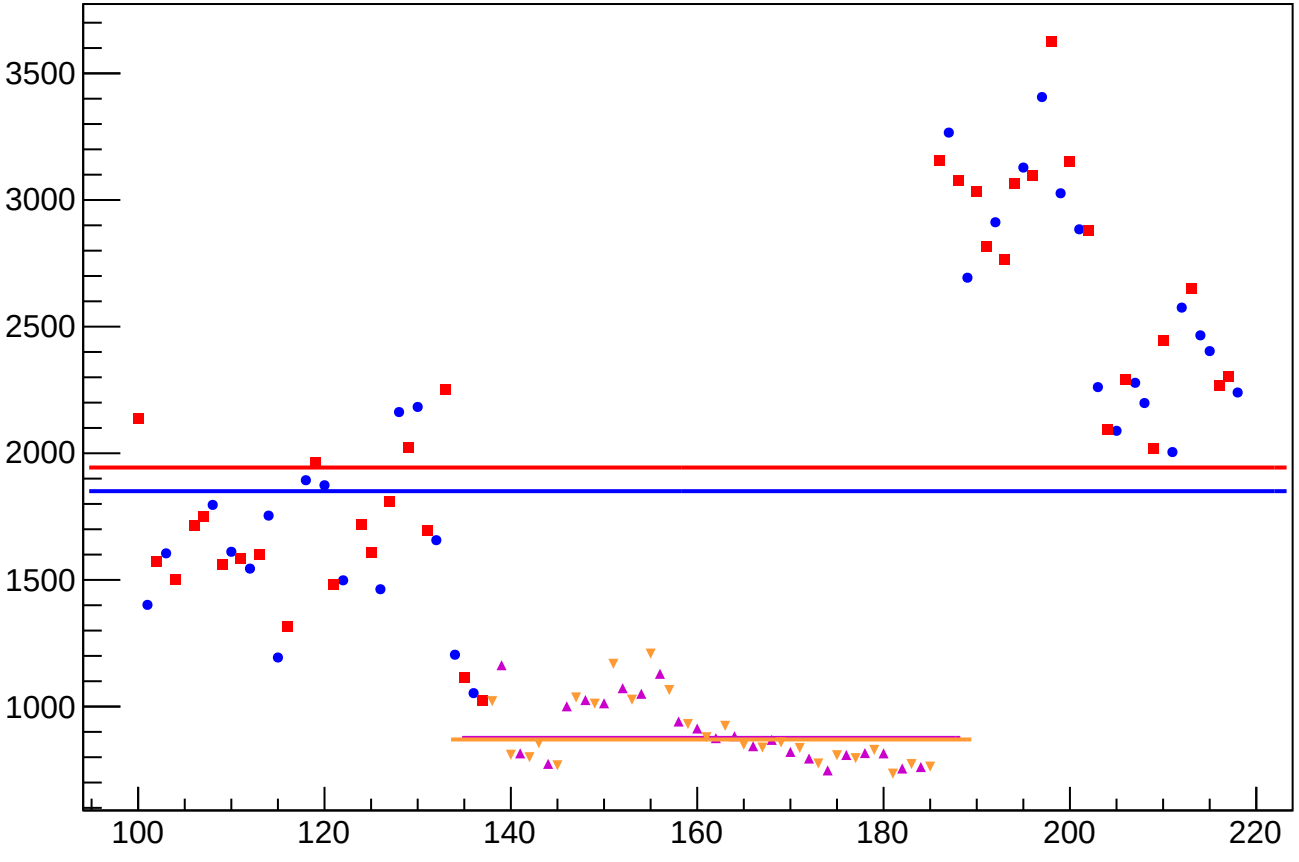
Left In: -65.218+/-206.677 χ^2/NDF:30.7/22

+ sign -985.610+/-181.561 χ^2/NDF: 108.4/56

All: -675.408+/-130.522 χ^2/NDF: 188.4/115

- sign -343.632+/-187.769 χ^2/NDF: 74.0/58

asym_sam_24_68_dd_dit_correction_rms vs Slug



Right In: 1850.450+/-0.307 χ^2/NDF: 3816530.5/31

Left Out: 870.009+/-0.141 χ^2/NDF:647274.1/24

Right Out: 1943.748+/-0.318 χ^2/NDF: 3755253.1/35

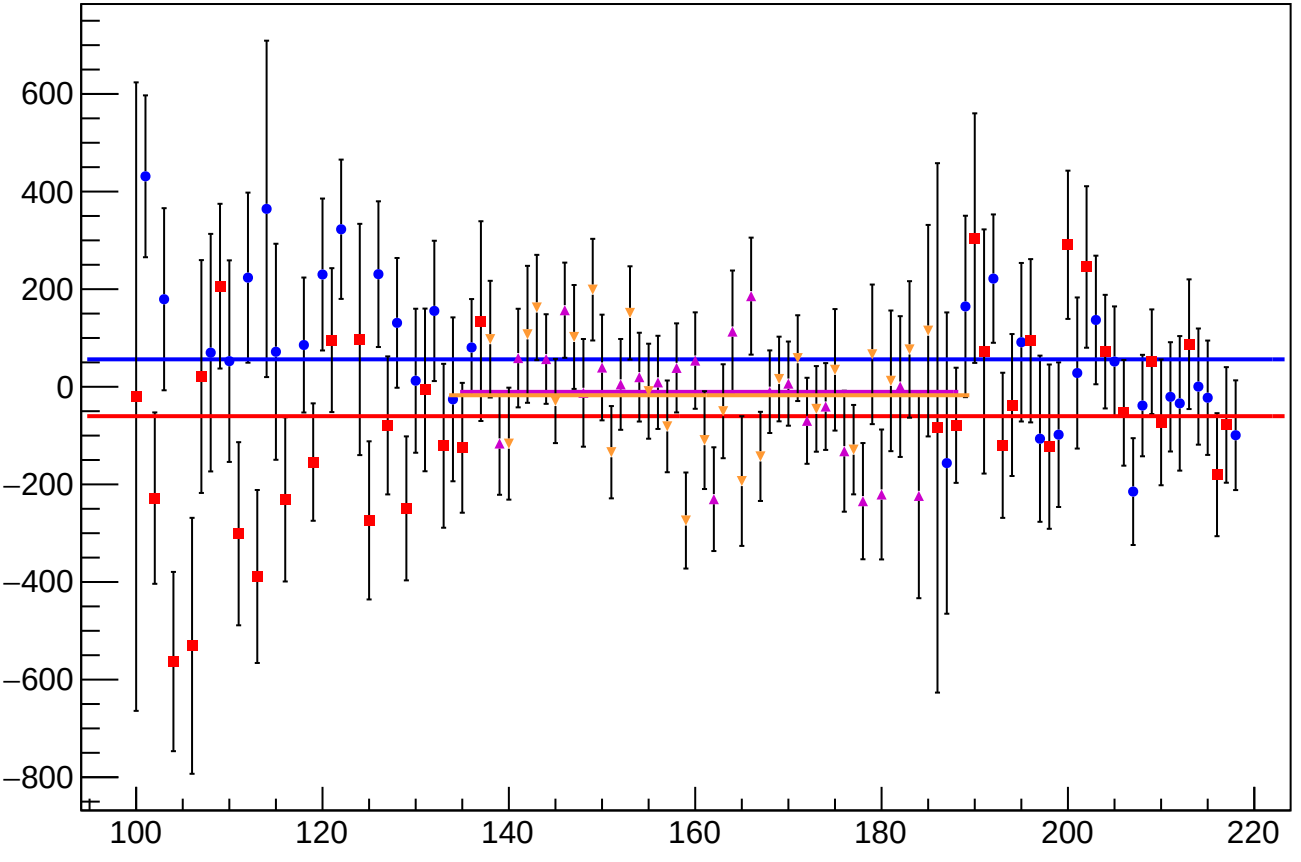
Left In: 876.273+/-0.146 χ^2/NDF:597200.7/22

+ sign 1041.255+/-0.128 χ^2/NDF: 12871174.4/56

All: 1051.599+/-0.092 χ^2/NDF: 26552957.6/1

- sign 1062.663+/-0.133 χ^2/NDF: 13668347.5/58

eigen_dit_asym_sam_24_68_dd_mean vs Slug



Right In: 56.232+/-25.265 χ^2/NDF: 29.9/31

Left Out: -17.356+/-20.987 χ^2/NDF:31.2/24

Right Out: -60.209+/-25.877 χ^2/NDF: 44.1/35

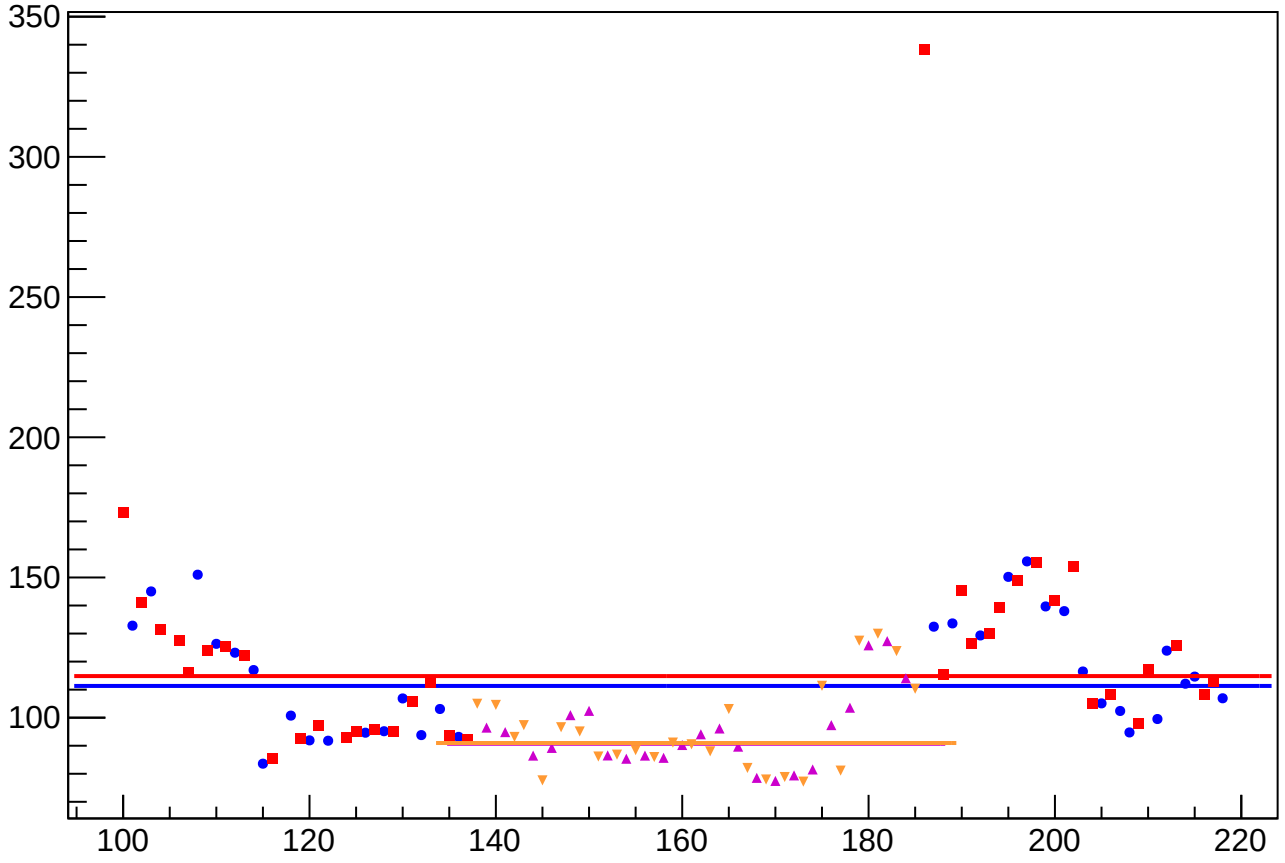
Left In: -10.412+/-21.503 χ^2/NDF:22.6/22

+ sign 12.689+/-16.144 χ^2/NDF: 66.1/56

All: -8.507+/-11.552 χ^2/NDF: 138.6/115

- sign -30.752+/-16.538 χ^2/NDF: 68.9/58

eigen_dit_asym_sam_24_68_dd_rms vs Slug



Right In: 111.320+/-0.018 χ^2/NDF: 1018060.7/31

Left Out: 90.967+/-0.015 χ^2/NDF:784529.9/24

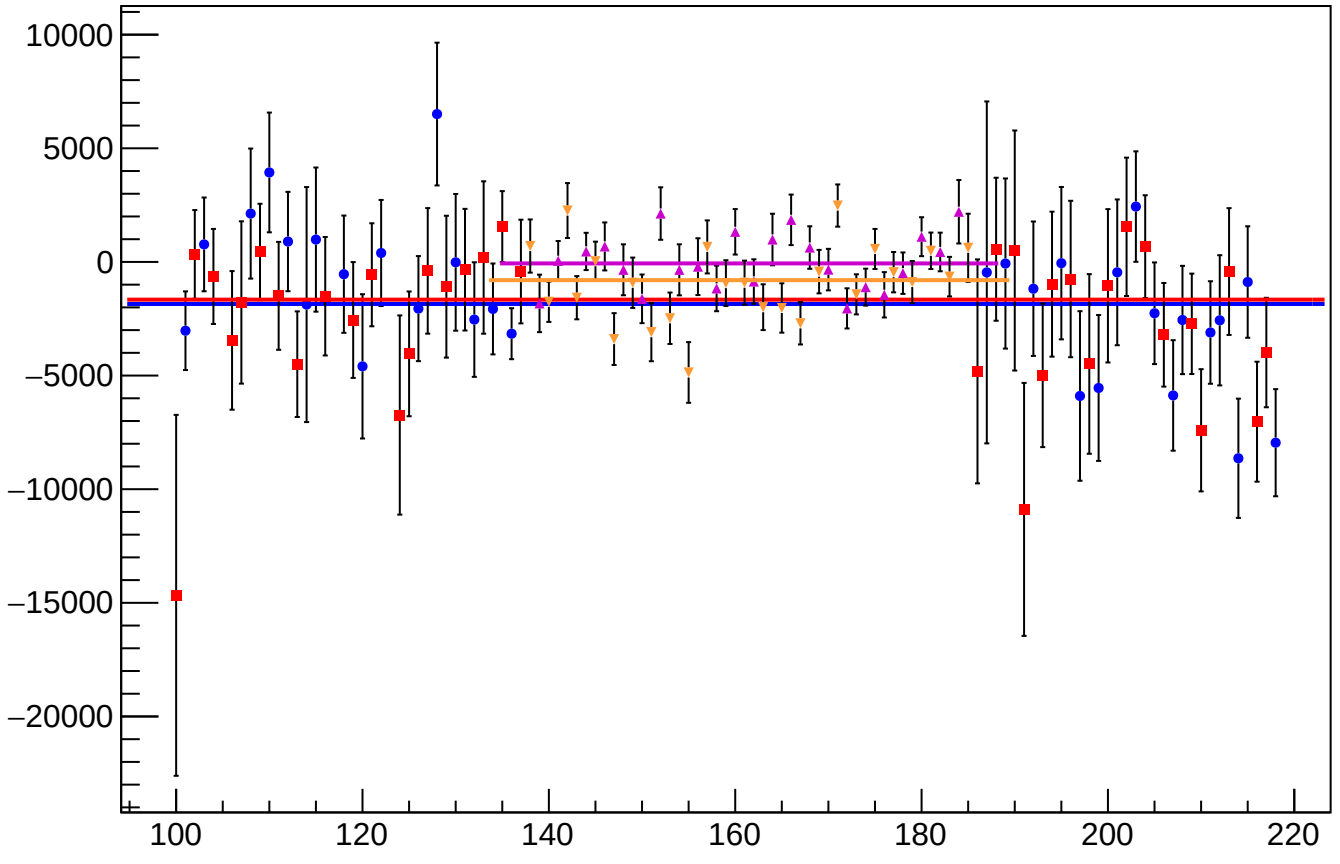
Right Out: 114.836+/-0.018 χ^2/NDF: 1369615.0/35

Left In: 90.690+/-0.015 χ^2/NDF:545960.7/22

+ sign 99.277+/-0.011 χ^2/NDF: 2570570.9/56

All: 99.899+/-0.008 χ^2/NDF: 5522308.3/115

- sign 100.553+/-0.012 χ^2/NDF: 2945639.0/58



Right In: -1850.710+/-434.432 χ^2/NDF: 45.2/31

Left Out: -802.531+/-199.851 χ^2/NDF:58.3/24

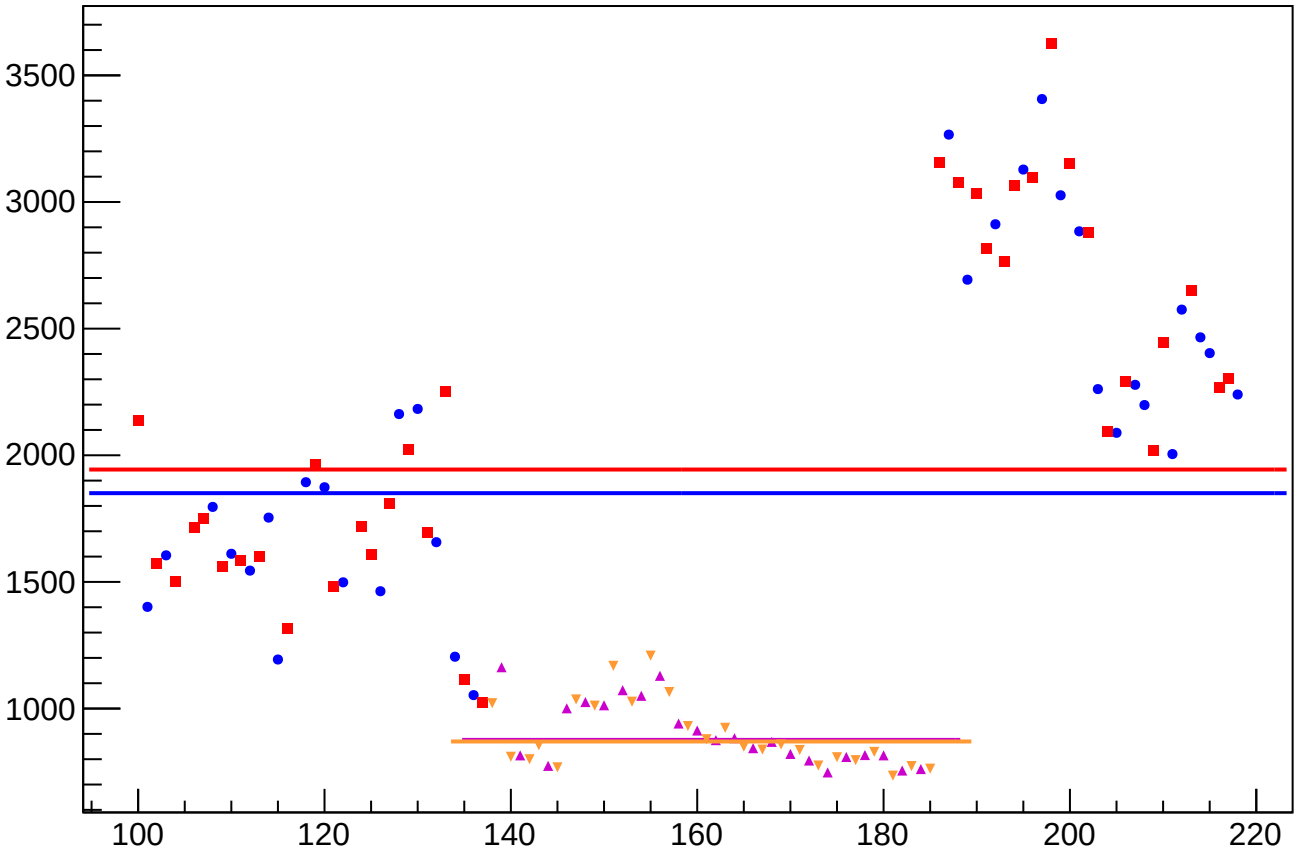
Right Out: -1659.720+/-449.355 χ^2/NDF: 32.9/35

Left In: -65.218+/-206.677 χ^2/NDF:30.7/22

+ sign -985.609+/-181.561 χ^2/NDF: 108.4/56

All: -675.407+/-130.522 χ^2/NDF: 188.4/115

- sign -343.631+/-187.768 χ^2/NDF: 74.0/58



Right In: 1850.447+/-0.307 χ^2/NDF: 3816540.1/31

Left Out: 870.008+/-0.141 χ^2/NDF:647275.9/24

Right Out: 1943.745+/-0.318 χ^2/NDF: 3755267.6/35

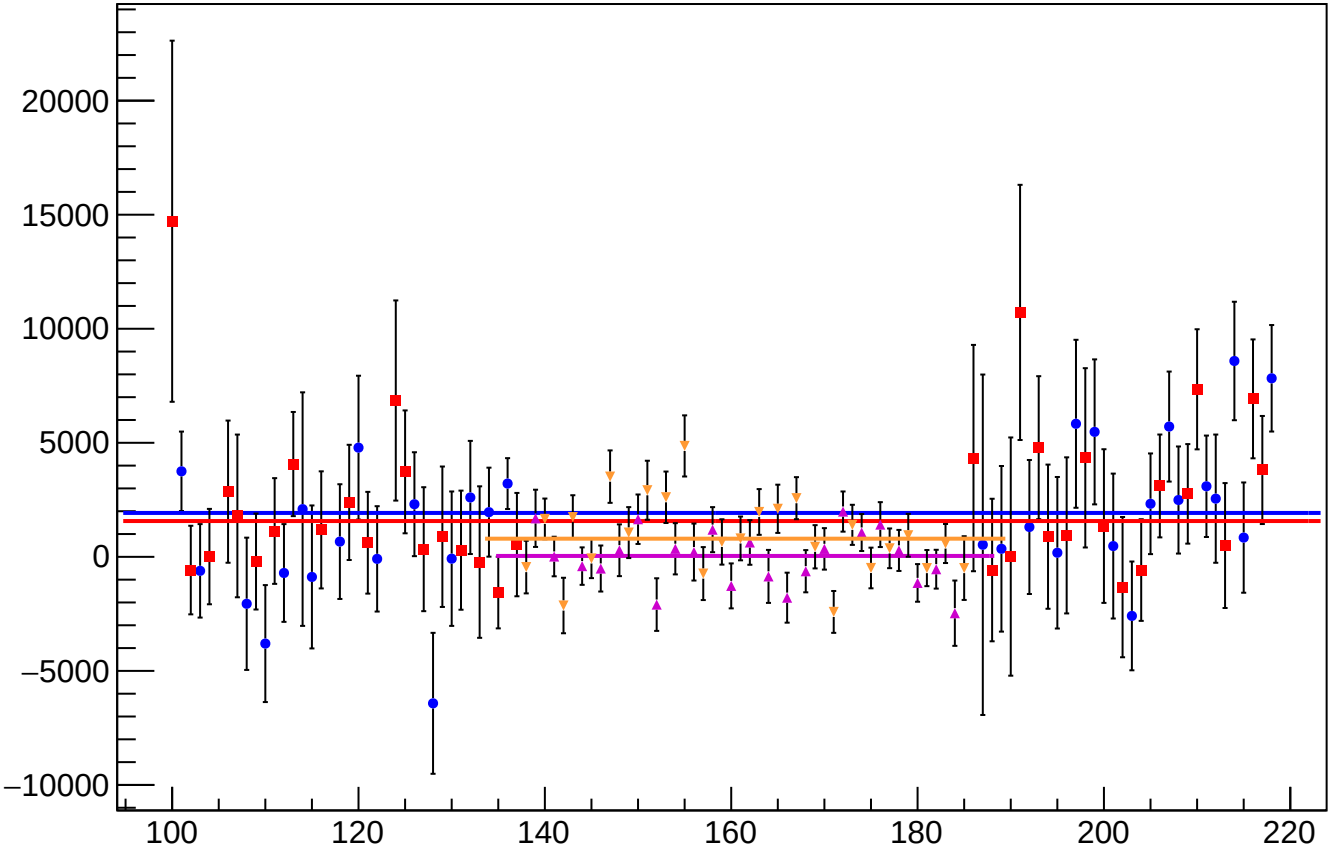
Left In: 876.272+/-0.146 χ^2/NDF:597200.9/22

+ sign 1041.254+/-0.128 χ^2/NDF: 12871173.4/56

All: 1051.598+/-0.092 χ^2/NDF: 26552959.3/1

- sign 1062.662+/-0.133 χ^2/NDF: 13668350.5/58

asym_sam_24_68_dd_mean vs Slug



Right In: 1924.922+/-429.392 χ^2/NDF: 45.6/31

Left Out: 796.287+/-198.802 χ^2/NDF:57.2/24

Right Out: 1569.623+/-445.321 χ^2/NDF: 31.9/35

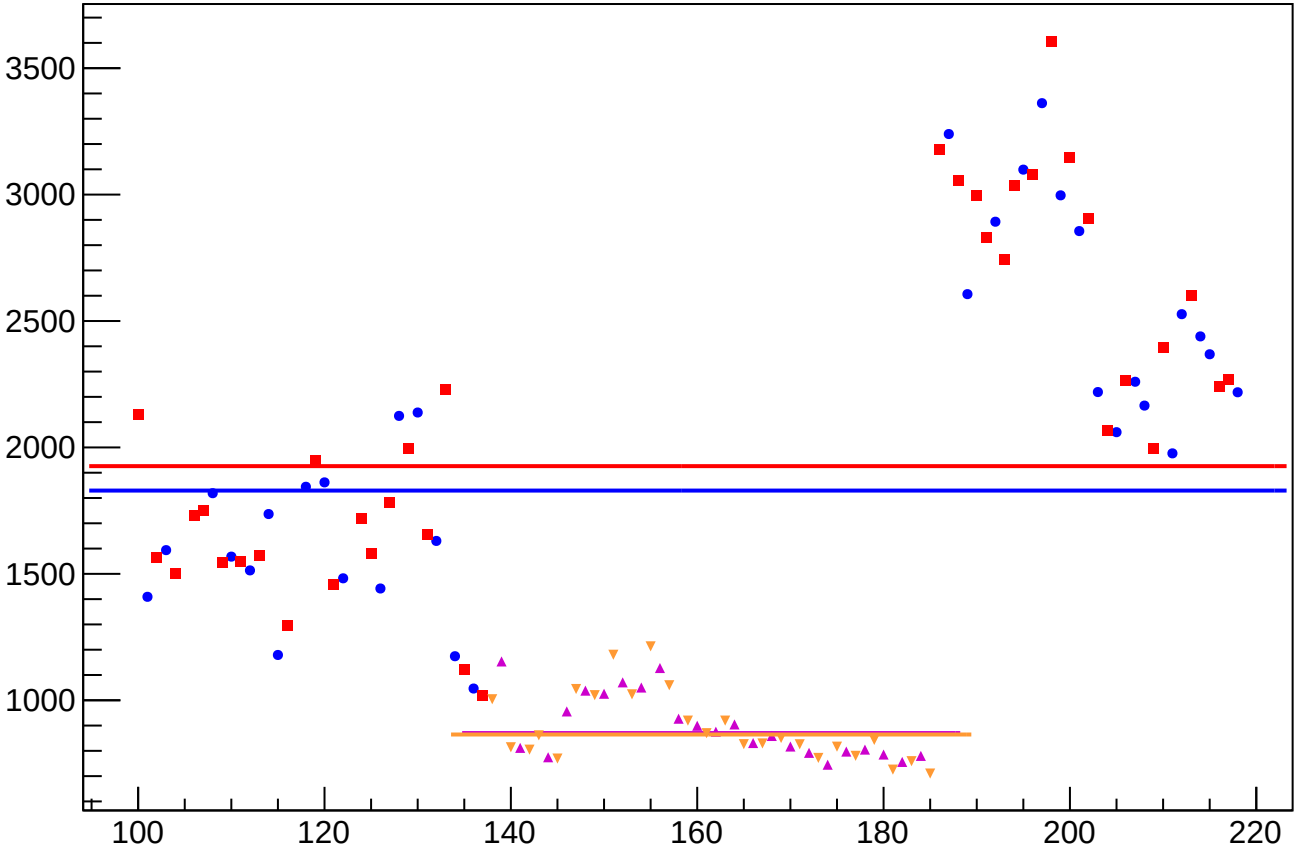
Left In: 39.746+/-205.349 χ^2/NDF:29.7/22

+ sign 995.511+/-180.405 χ^2/NDF: 108.5/56

All: 663.139+/-129.659 χ^2/NDF: 186.9/115

- sign 308.012+/-186.478 χ^2/NDF: 71.3/58

asym_sam_24_68_dd_rms vs Slug



Right In: 1829.403+/-0.304 χ^2/NDF: 3781019.4/31

Left Out: 864.637+/-0.141 χ^2/NDF:688948.2/24

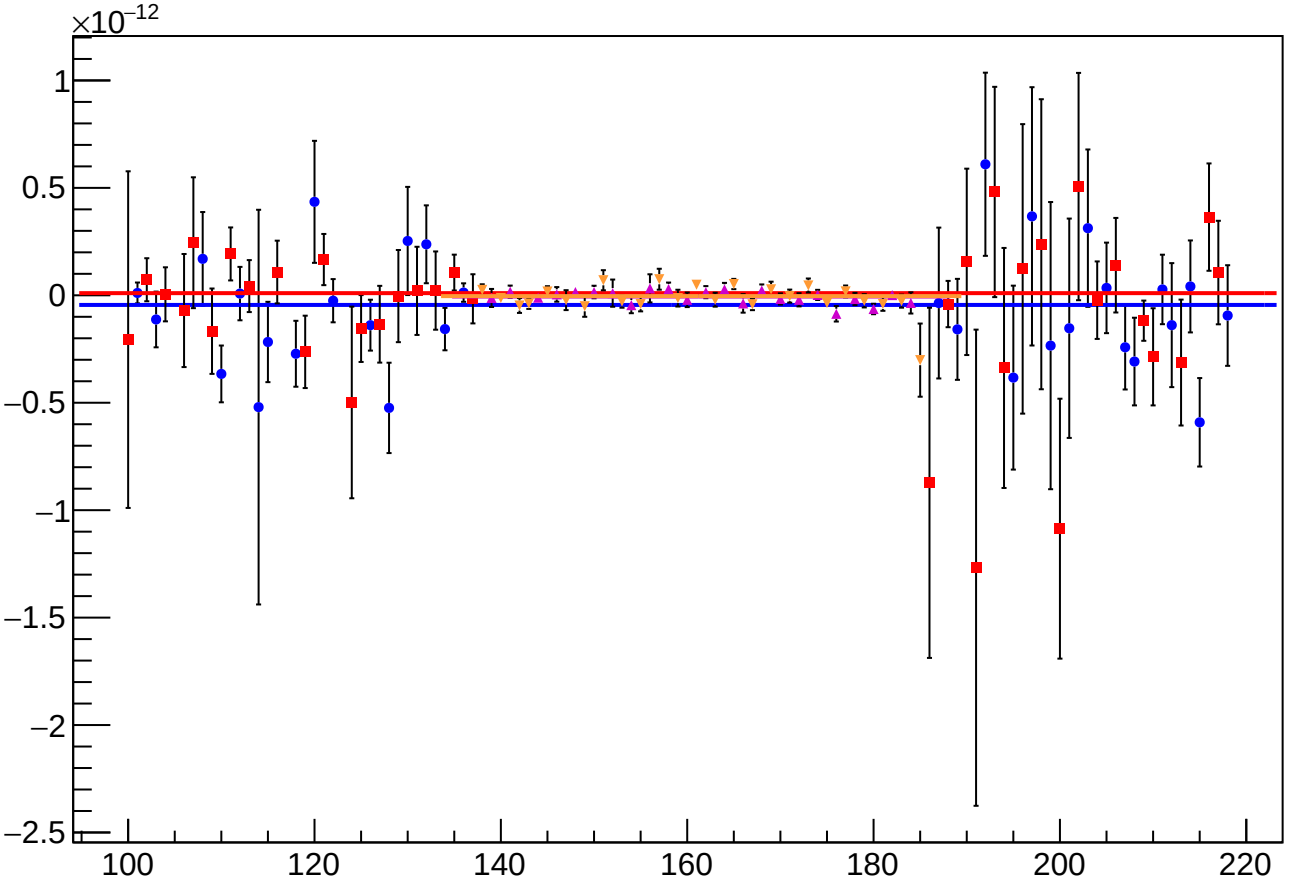
Right Out: 1926.033+/-0.315 χ^2/NDF: 3747645.0/35

Left In: 870.346+/-0.145 χ^2/NDF:604520.6/22

+ sign 1034.935+/-0.128 χ^2/NDF: 12784155.2/56

All: 1044.859+/-0.092 χ^2/NDF: 26417612.2/1

- sign 1055.462+/-0.132 χ^2/NDF: 13620938.4/58



Right In: -0.000+/-0.000 χ^2/NDF: 42.7/31

Left Out: -0.000+/-0.000 χ^2/NDF:38.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 29.3/35

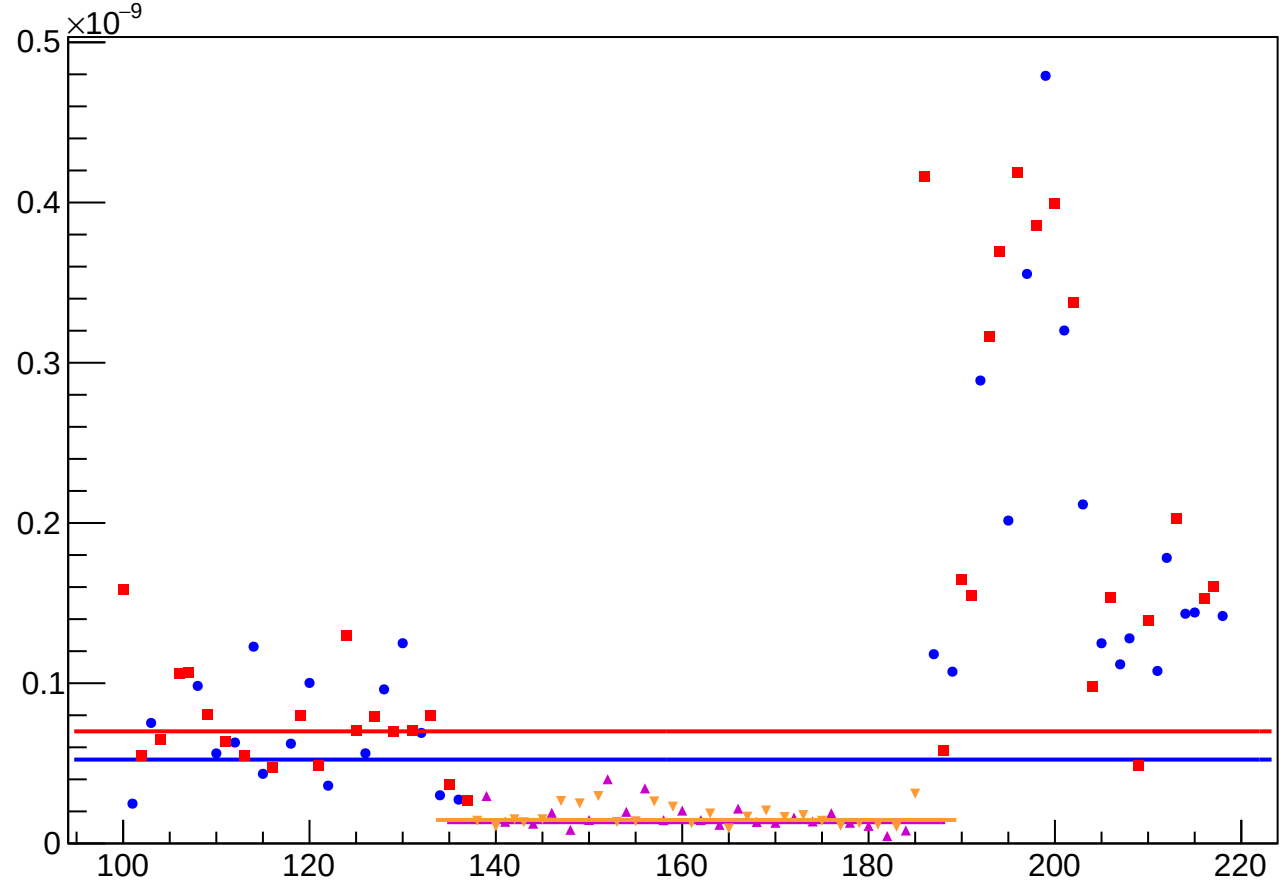
Left In: -0.000+/-0.000 χ^2/NDF:20.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 84.3/56

All: -0.000+/-0.000 χ^2/NDF: 134.6/115

- sign -0.000+/-0.000 χ^2/NDF: 50.2/58

asym_sam_24_68_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 7646984.5/31

Left Out: 0.000+/-0.000 χ^2/NDF:1073691.3/24

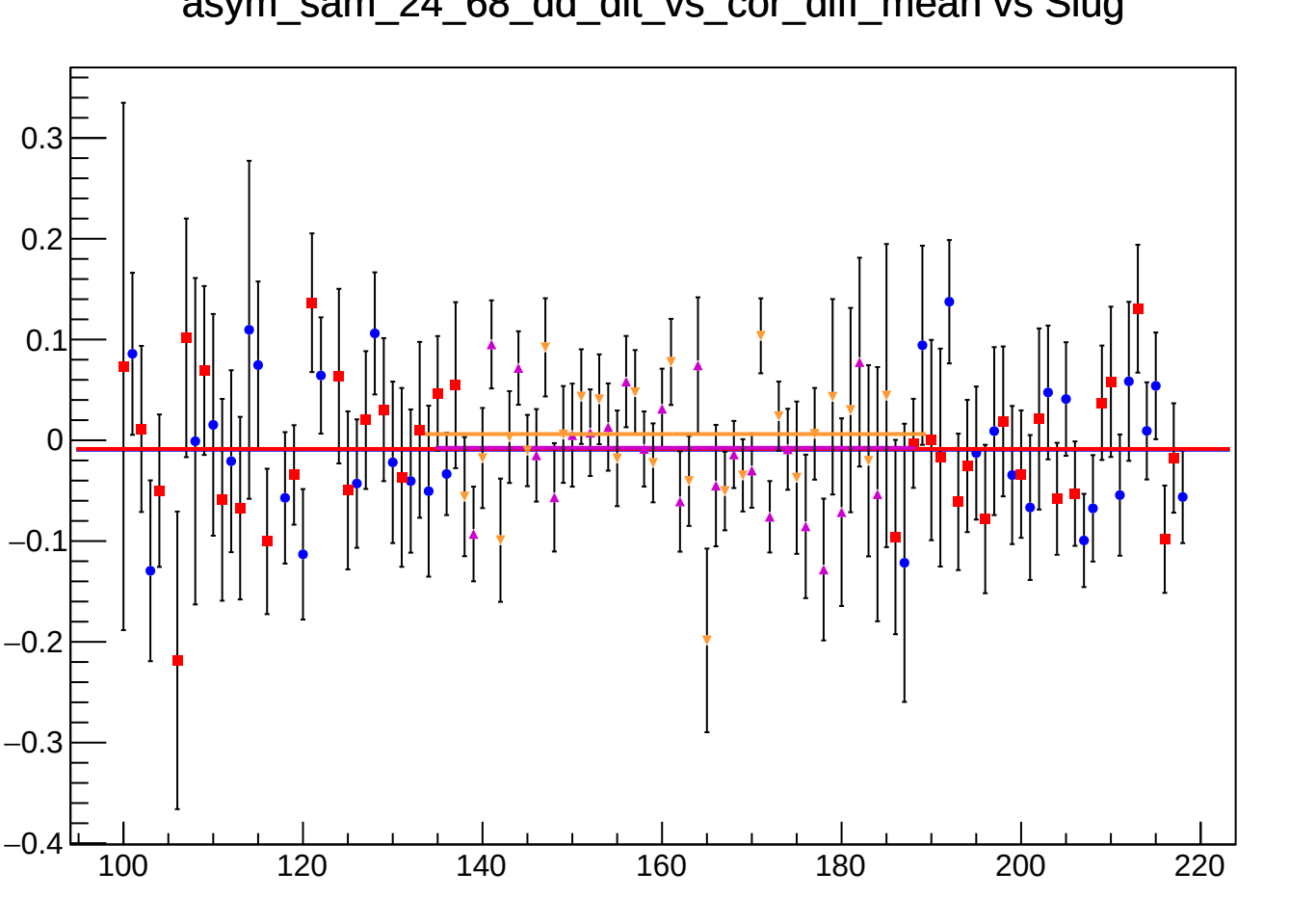
Right Out: 0.000+/-0.000 χ^2/NDF: 6148486.9/35

Left In: 0.000+/-0.000 χ^2/NDF:1970835.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 13605954.3/56

All: 0.000+/-0.000 χ^2/NDF: 29277611.4/115

- sign 0.000+/-0.000 χ^2/NDF: 15618473.4/58



Right In: -0.009+/-0.012 χ^2/NDF: 33.0/31

Left Out: 0.006+/-0.010 χ^2/NDF:30.8/24

Right Out: -0.009+/-0.012 χ^2/NDF: 27.8/35

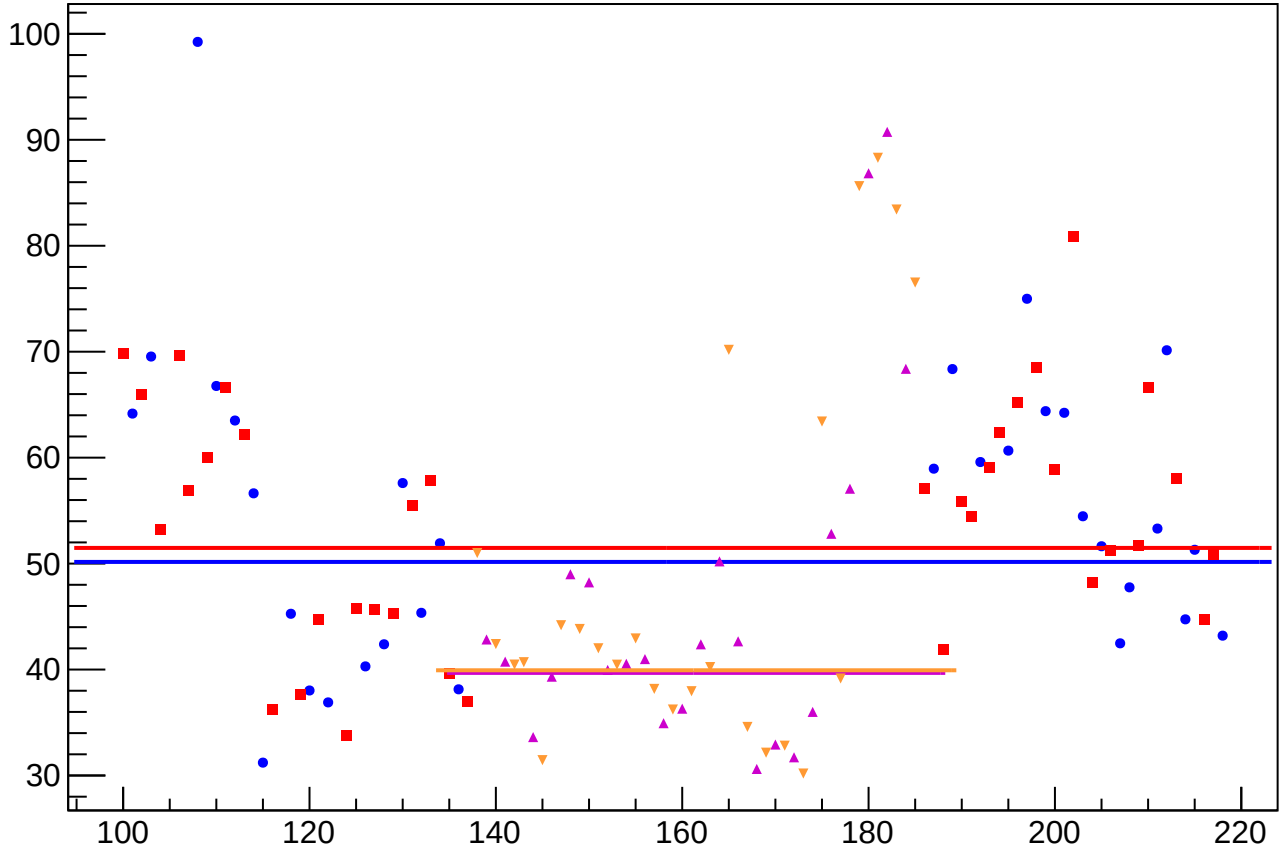
Left In: -0.007+/-0.010 χ^2/NDF:30.4/22

+ sign -0.000+/-0.007 χ^2/NDF: 64.9/56

All: -0.004+/-0.005 χ^2/NDF: 123.7/115

- sign -0.008+/-0.008 χ^2/NDF: 58.2/58

asym_sam_24_68_dd_dit_vs_cor_diff_rms vs Slug



Right In: 50.158+/-0.008 χ^2/NDF: 1792744.8/31

Left Out: 39.930+/-0.007 χ^2/NDF:2475485.4/24

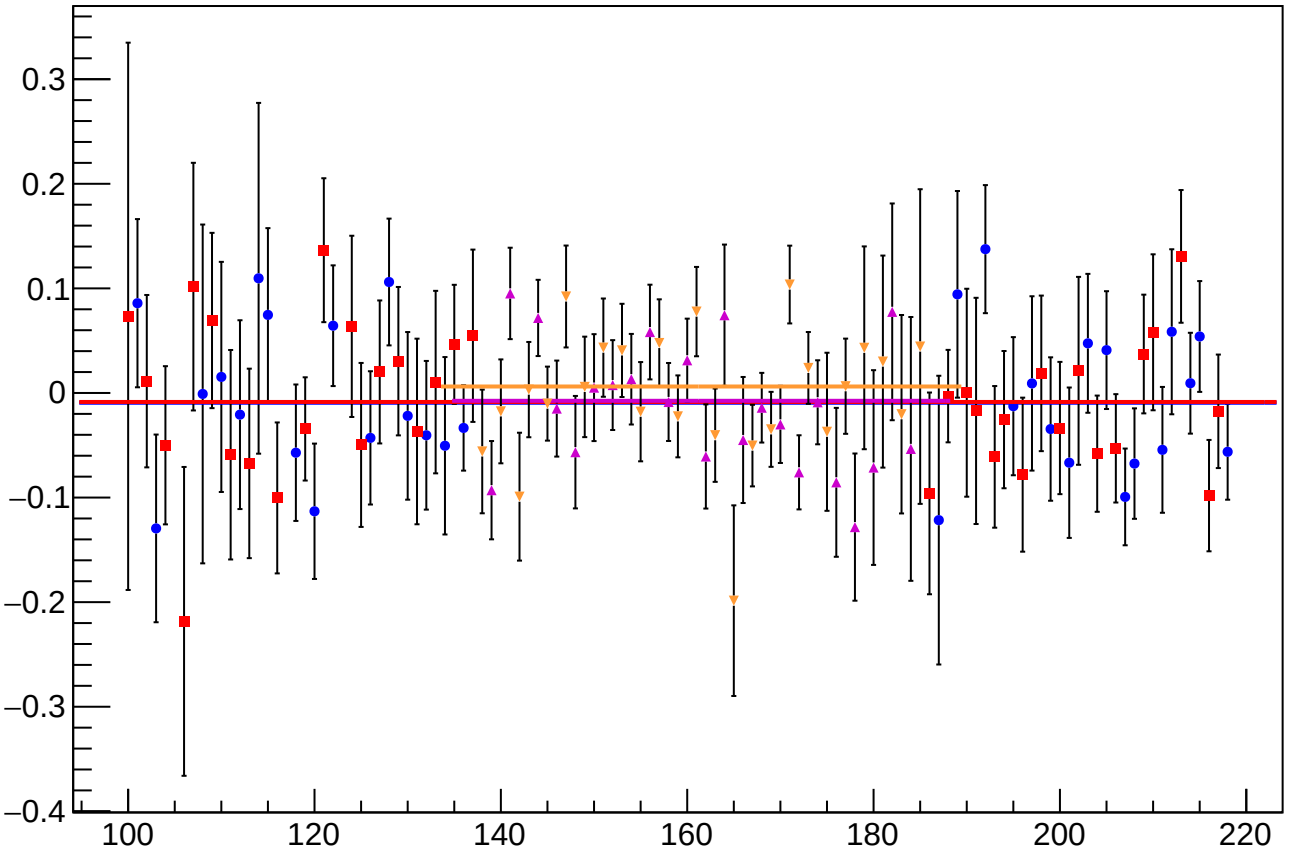
Right Out: 51.480+/-0.008 χ^2/NDF: 1498460.0/35

Left In: 39.686+/-0.007 χ^2/NDF:1915871.4/22

+ sign 44.049+/-0.005 χ^2/NDF: 5187835.8/56

All: 44.263+/-0.004 χ^2/NDF: 9790165.4/115

- sign 44.484+/-0.005 χ^2/NDF: 4598929.0/58



Right In: -0.009+/-0.012 χ^2/NDF: 33.0/31

Left Out: 0.006+/-0.010 χ^2/NDF:30.8/24

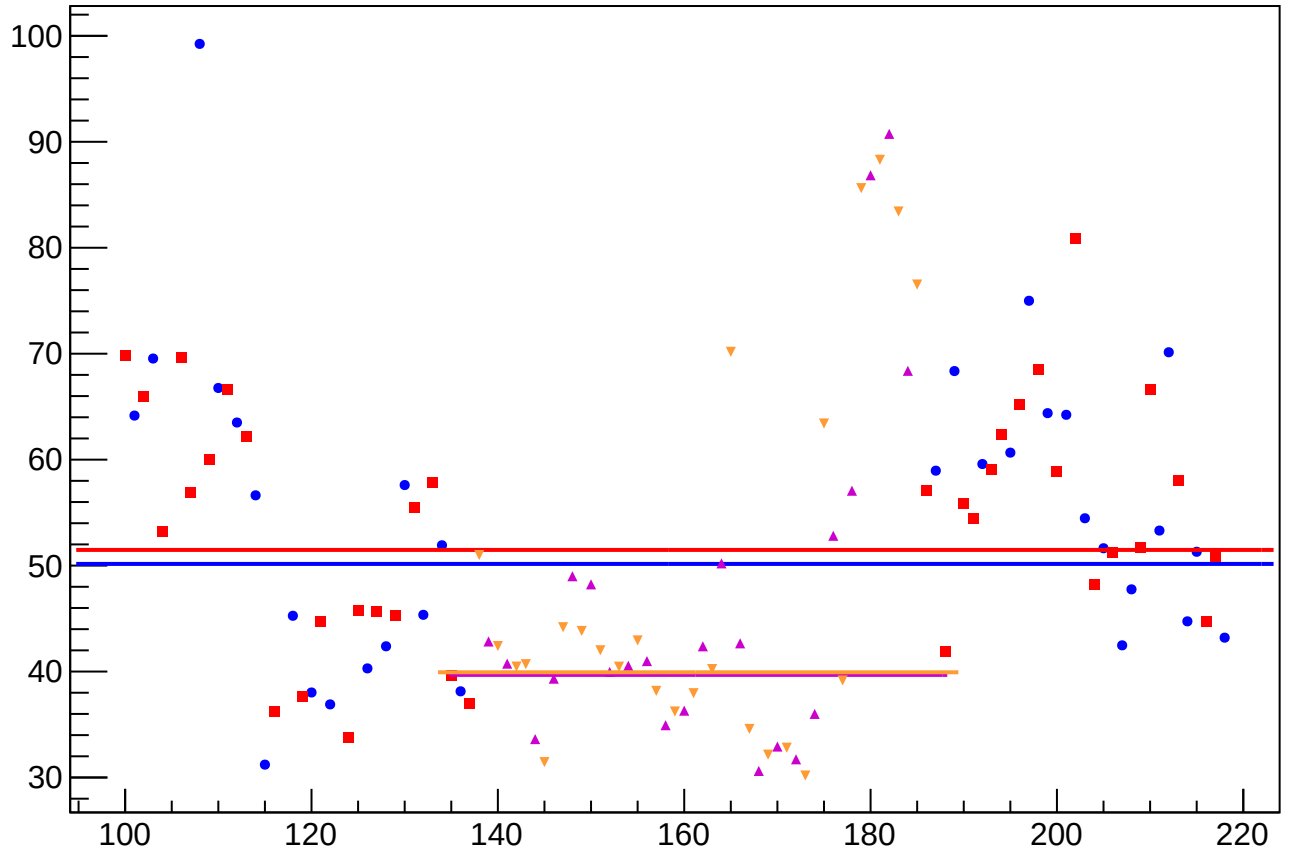
Right Out: -0.009+/-0.012 χ^2/NDF: 27.8/35

Left In: -0.007+/-0.010 χ^2/NDF:30.4/22

+ sign -0.000+/-0.007 χ^2/NDF: 64.9/56

All: -0.004+/-0.005 χ^2/NDF: 123.7/115

- sign -0.008+/-0.008 χ^2/NDF: 58.2/58



Right In: 50.158+/-0.008 χ^2/NDF: 1792744.8/31

Left Out: 39.930+/-0.007 χ^2/NDF:2475485.4/24

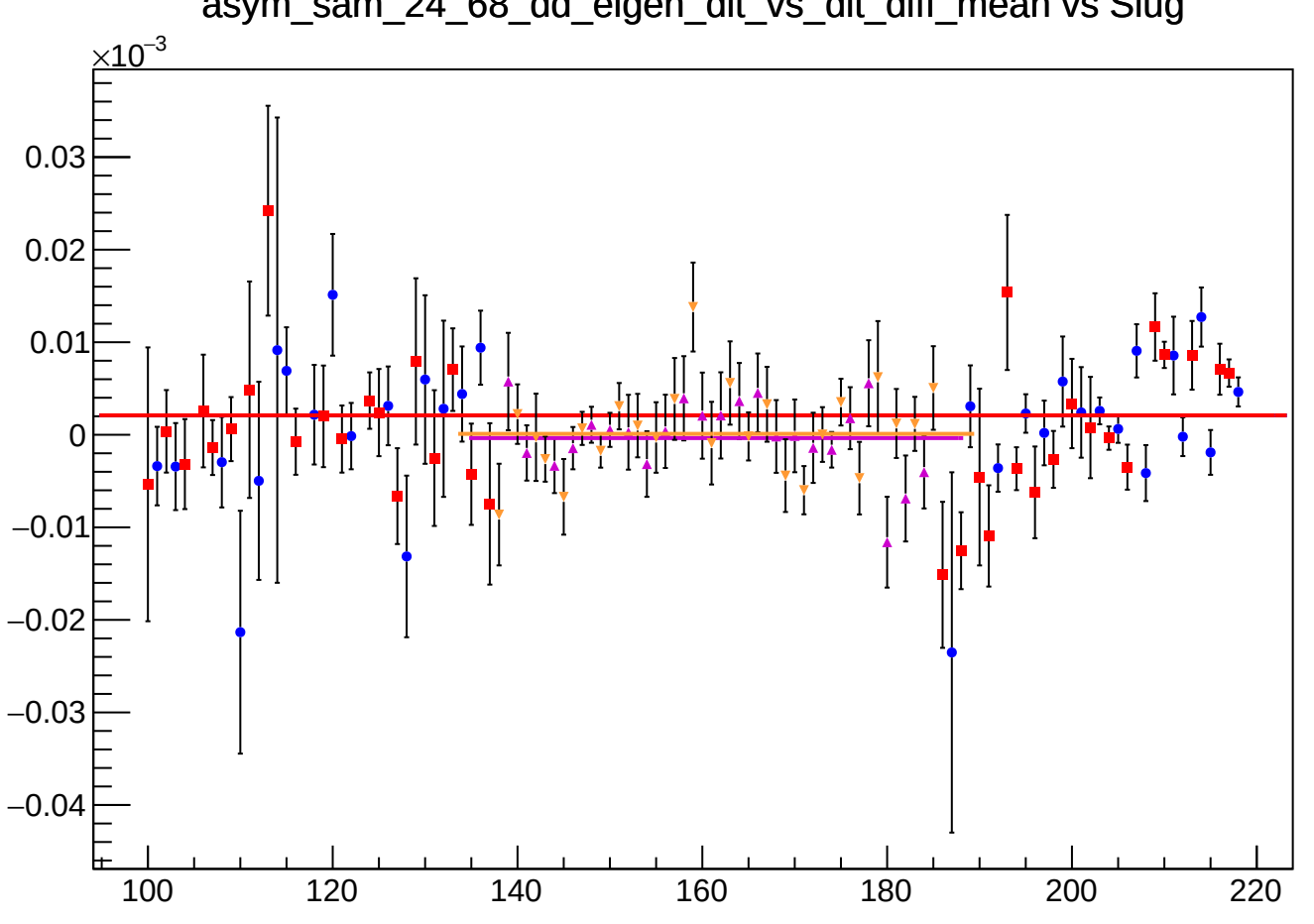
Right Out: 51.480+/-0.008 χ^2/NDF: 1498460.0/35

Left In: 39.686+/-0.007 χ^2/NDF:1915871.4/22

+ sign 44.049+/-0.005 χ^2/NDF: 5187835.8/56

All: 44.263+/-0.004 χ^2/NDF: 9790165.4/115

- sign 44.484+/-0.005 χ^2/NDF: 4598929.0/58



Right In: 0.000+/-0.000 χ^2/NDF: 58.8/31

Left Out: 0.000+/-0.000 χ^2/NDF:33.2/24

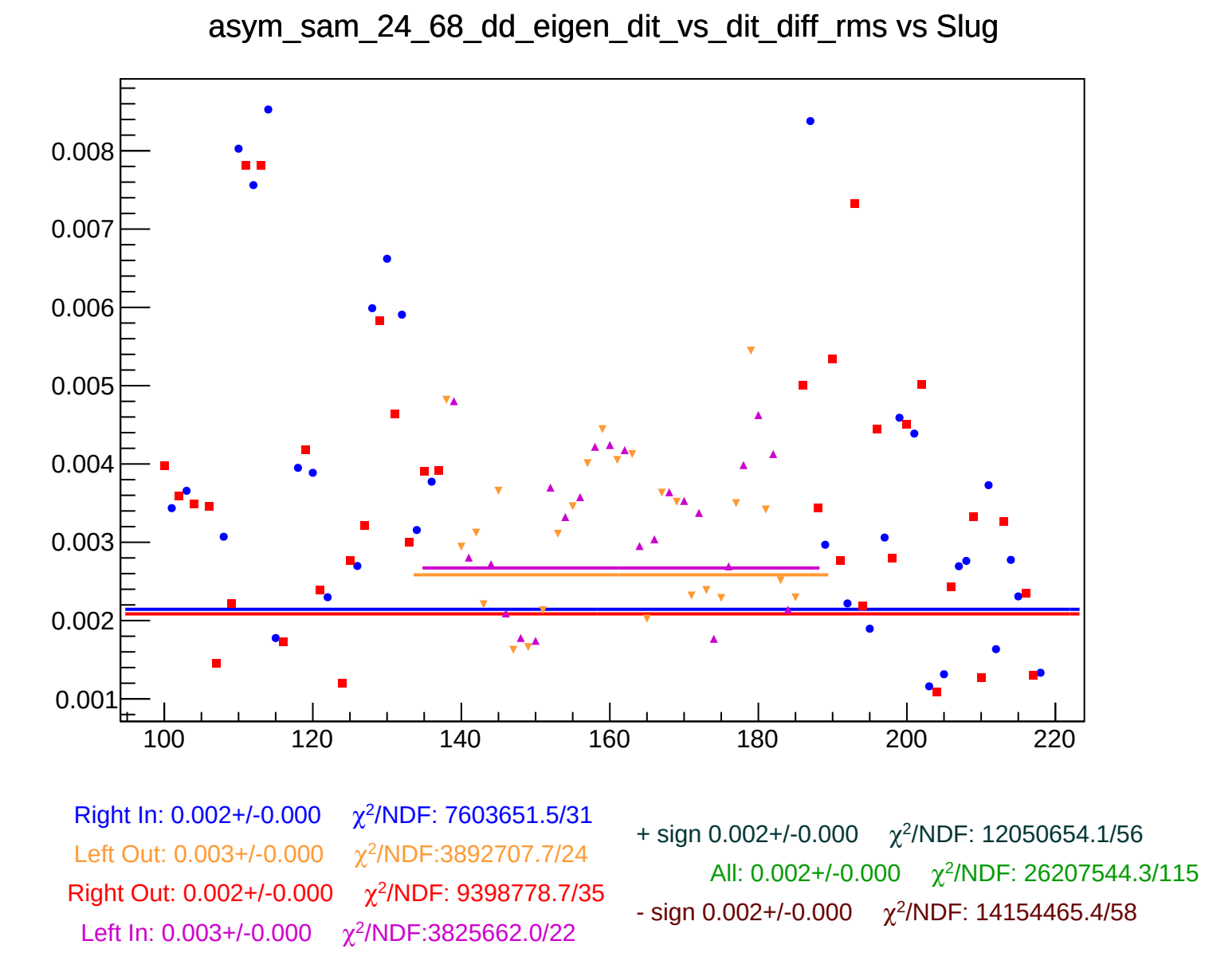
Right Out: 0.000+/-0.000 χ^2/NDF: 106.3/35

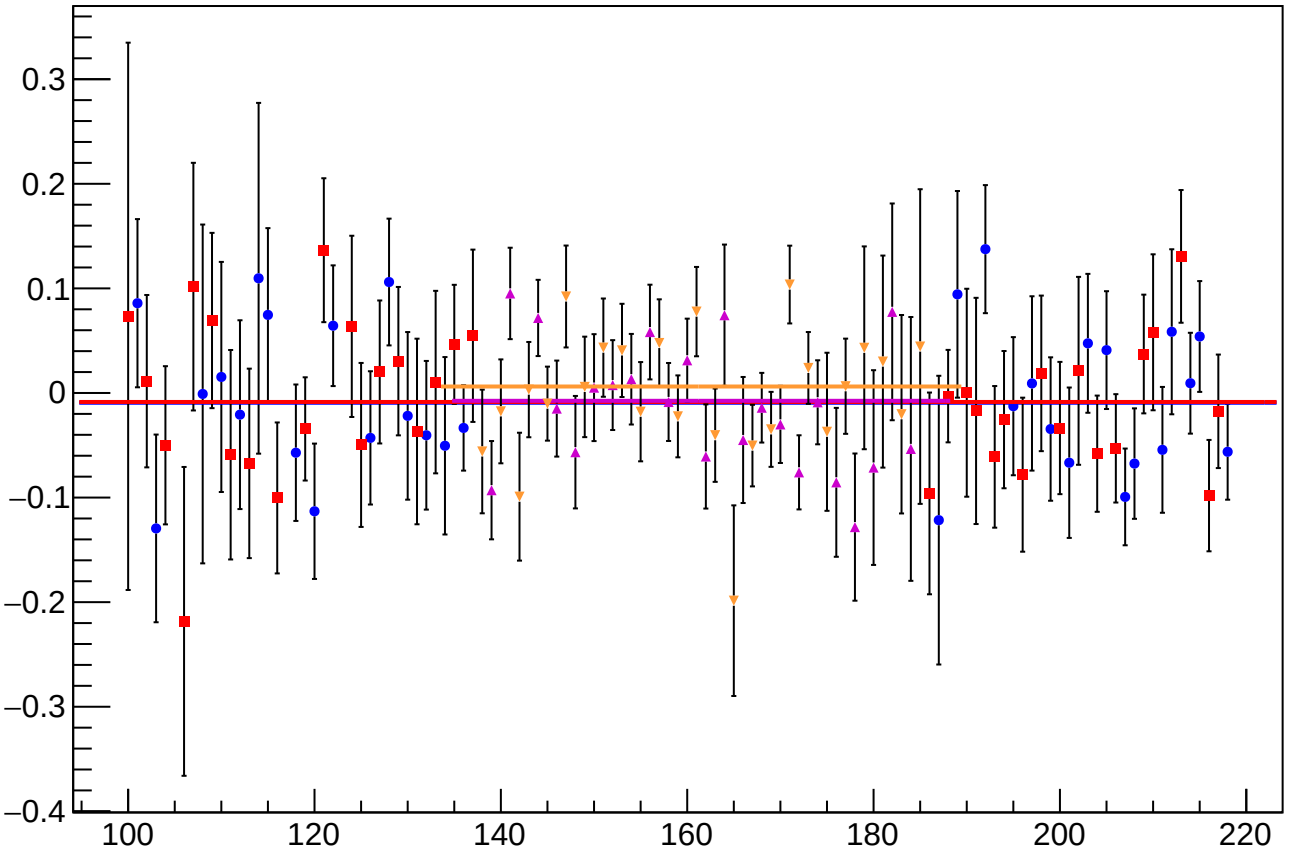
Left In: -0.000+/-0.000 χ^2/NDF:18.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 97.7/56

All: 0.000+/-0.000 χ^2/NDF: 231.0/115

- sign 0.000+/-0.000 χ^2/NDF: 133.2/58


asym_sam_24_68_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.008
0.007
0.006
0.005
0.004
0.003
0.002
0.001
100
120
140
160
180
200
220
Right In: 0.002+/-0.000 χ²/NDF: 7603651.5/31
Left Out: 0.003+/-0.000 χ²/NDF:3892707.7/24
Right Out: 0.002+/-0.000 χ²/NDF: 9398778.7/35
Left In: 0.003+/-0.000 χ²/NDF:3825662.0/22
+ sign 0.002+/-0.000 χ²/NDF: 12050654.1/56
All: 0.002+/-0.000 χ²/NDF: 26207544.3/115
- sign 0.002+/-0.000 χ²/NDF: 14154465.4/58



Right In: -0.009+/-0.012 χ^2/NDF: 33.0/31

Left Out: 0.006+/-0.010 χ^2/NDF:30.8/24

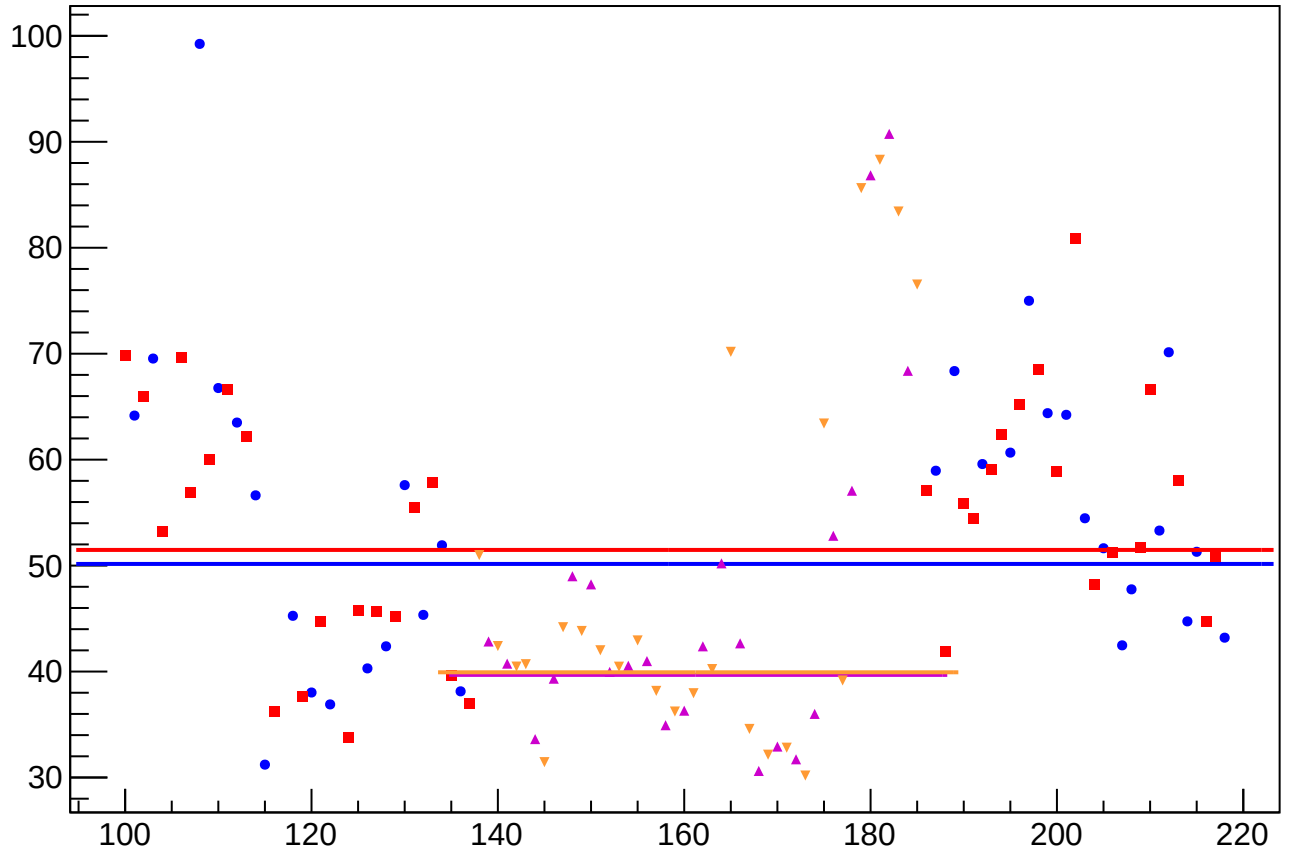
Right Out: -0.009+/-0.012 χ^2/NDF: 27.8/35

Left In: -0.007+/-0.010 χ^2/NDF:30.4/22

+ sign -0.000+/-0.007 χ^2/NDF: 64.9/56

All: -0.004+/-0.005 χ^2/NDF: 123.7/115

- sign -0.008+/-0.008 χ^2/NDF: 58.2/58



Right In: 50.157+/-0.008 χ^2/NDF: 1792822.3/31

Left Out: 39.930+/-0.007 χ^2/NDF:2475527.1/24

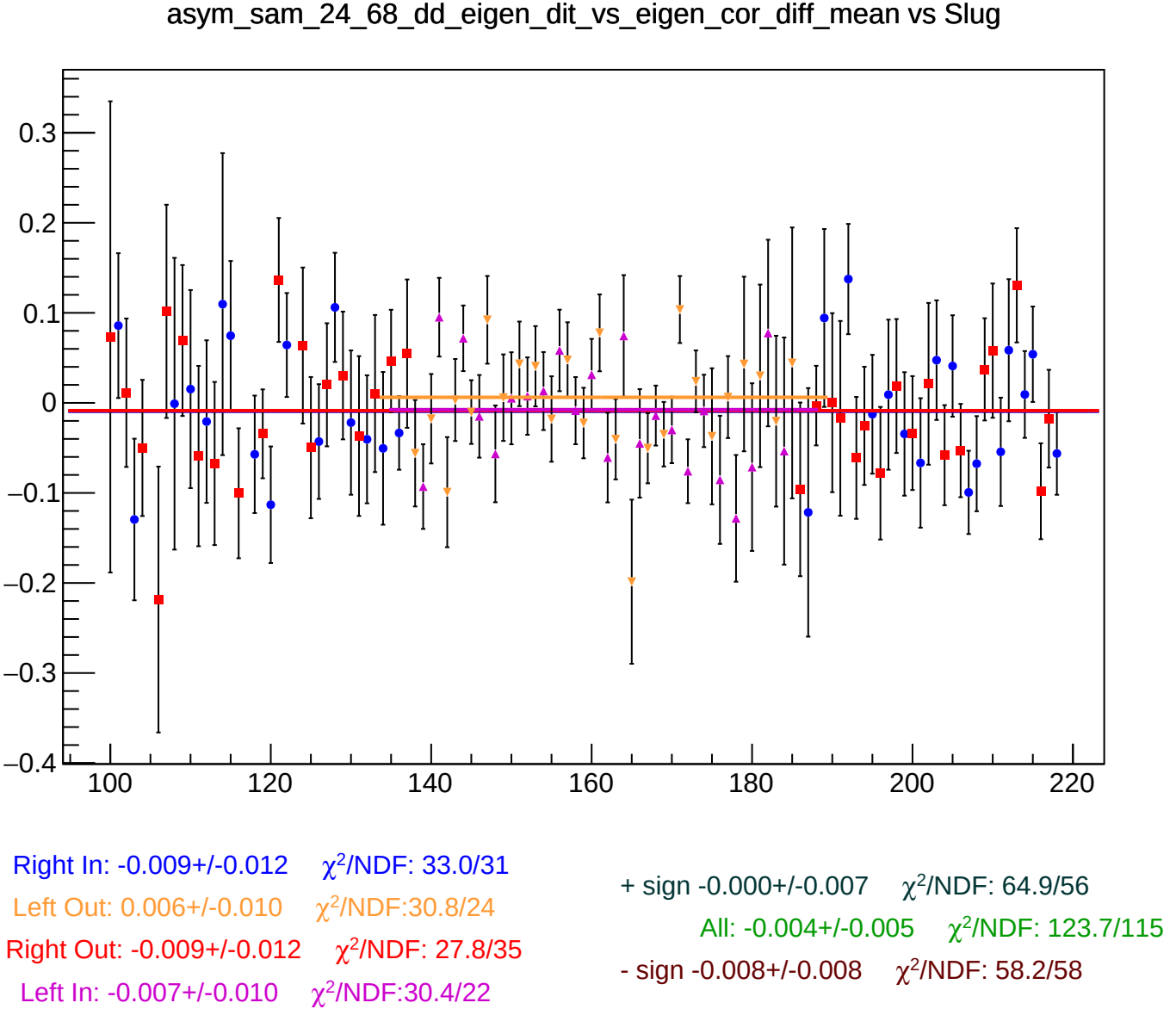
Right Out: 51.479+/-0.008 χ^2/NDF: 1498489.2/35

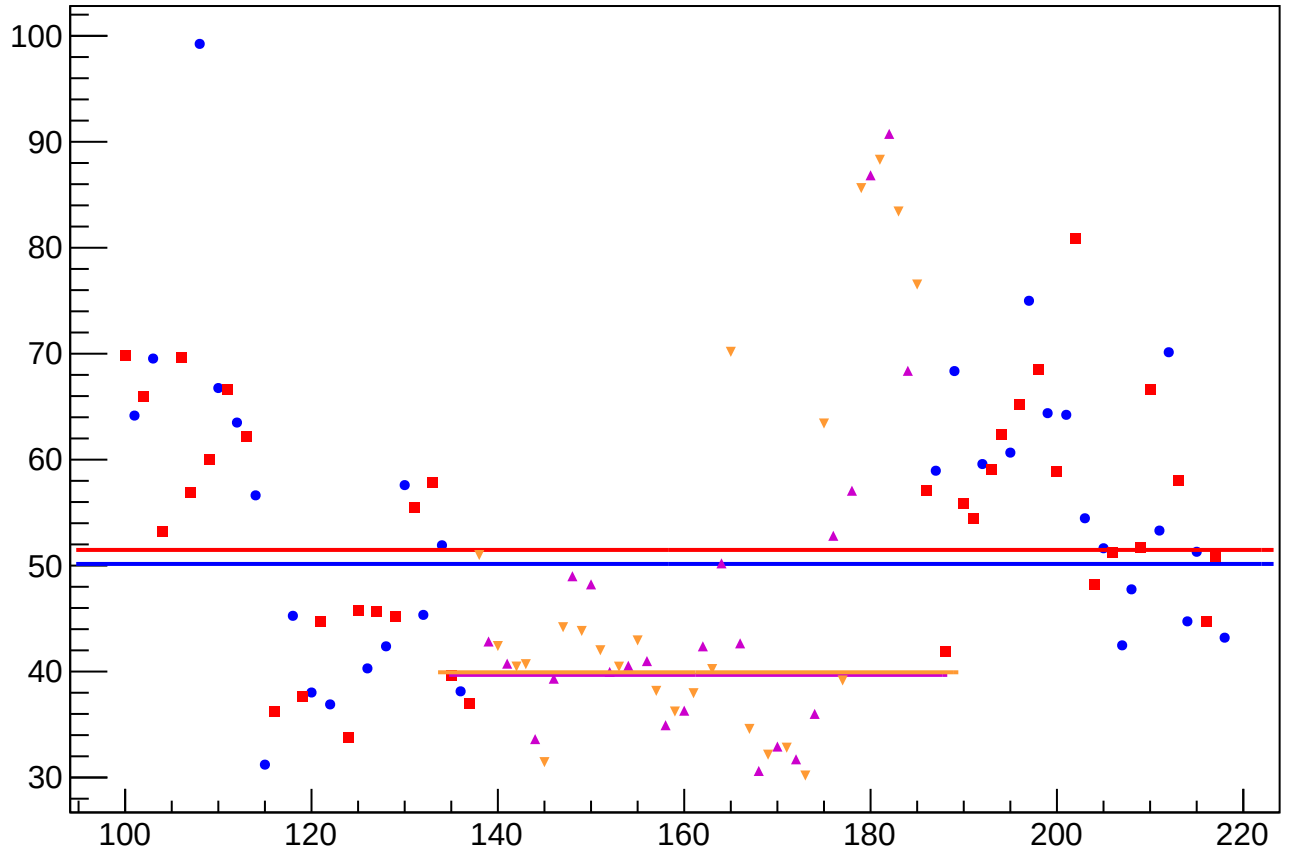
Left In: 39.685+/-0.007 χ^2/NDF:1915901.2/22

+ sign 44.048+/-0.005 χ^2/NDF: 5187766.0/56

All: 44.262+/-0.004 χ^2/NDF: 9790090.5/115

- sign 44.484+/-0.005 χ^2/NDF: 4598924.6/58


asym_sam_24_68_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
100
120
140
160
180
200
220
Right In: -0.009+/-0.012 χ²/NDF: 33.0/31
Left Out: 0.006+/-0.010 χ²/NDF:30.8/24
Right Out: -0.009+/-0.012 χ²/NDF: 27.8/35
Left In: -0.007+/-0.010 χ²/NDF:30.4/22
+ sign -0.000+/-0.007 χ²/NDF: 64.9/56
All: -0.004+/-0.005 χ²/NDF: 123.7/115
- sign -0.008+/-0.008 χ²/NDF: 58.2/58



Right In: 50.157+/-0.008 χ^2/NDF: 1792822.3/31

Left Out: 39.930+/-0.007 χ^2/NDF:2475527.1/24

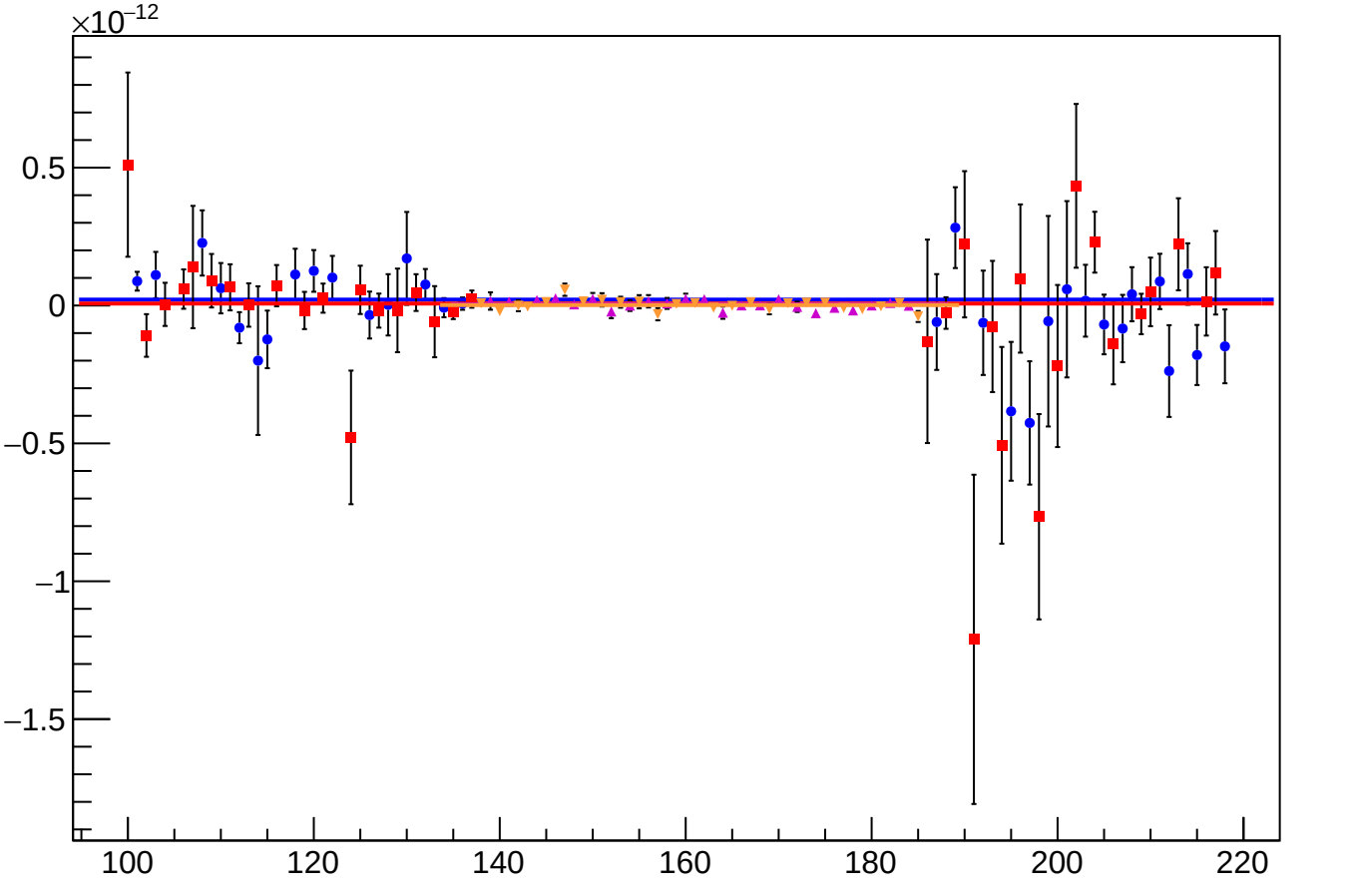
Right Out: 51.479+/-0.008 χ^2/NDF: 1498489.2/35

Left In: 39.685+/-0.007 χ^2/NDF:1915901.2/22

+ sign 44.048+/-0.005 χ^2/NDF: 5187766.0/56

All: 44.262+/-0.004 χ^2/NDF: 9790090.5/115

- sign 44.484+/-0.005 χ^2/NDF: 4598924.6/58



Right In: 0.000+/-0.000 χ^2/NDF: 41.5/31

Left Out: 0.000+/-0.000 χ^2/NDF:28.0/24

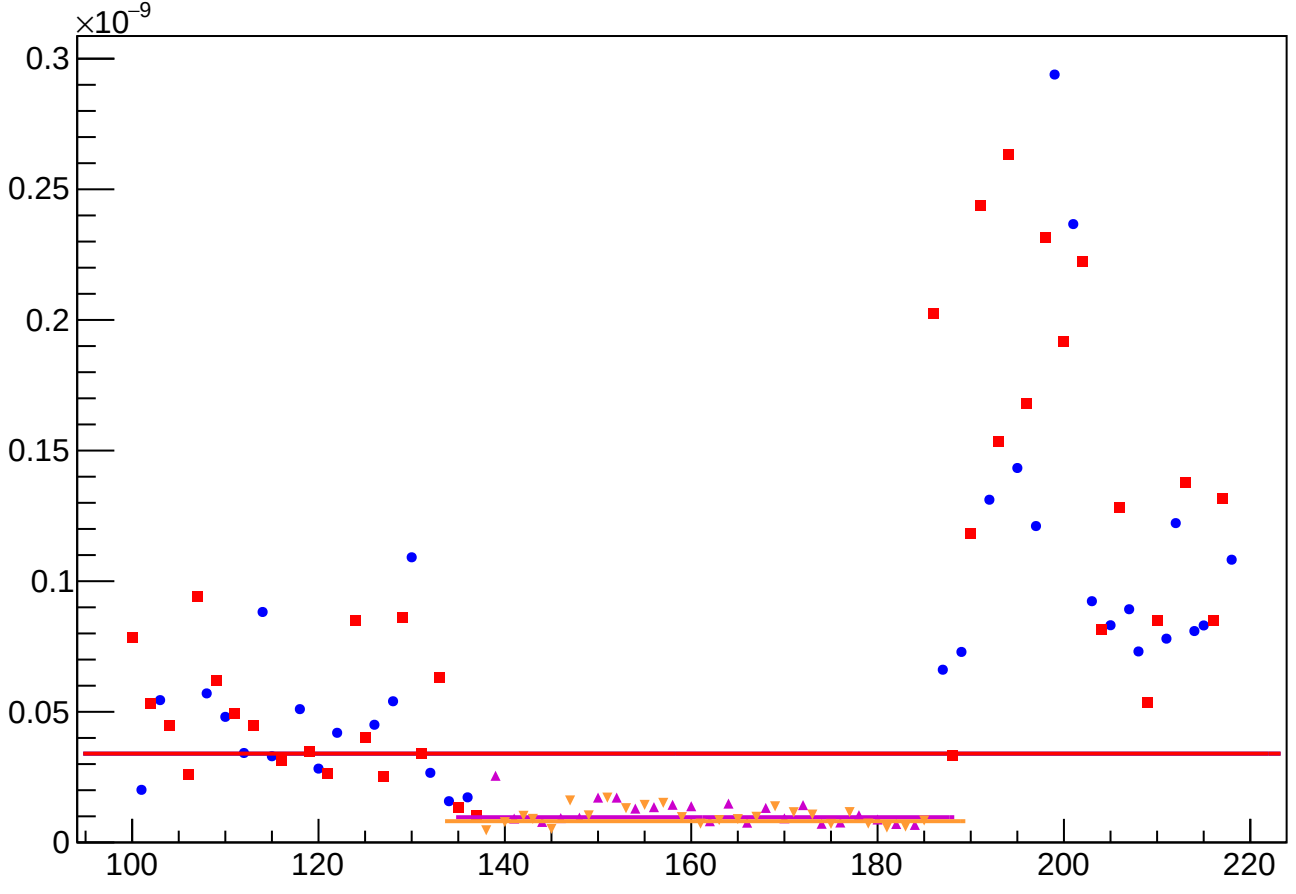
Right Out: 0.000+/-0.000 χ^2/NDF: 36.5/35

Left In: 0.000+/-0.000 χ^2/NDF:27.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 71.8/56

All: 0.000+/-0.000 χ^2/NDF: 136.0/115

- sign 0.000+/-0.000 χ^2/NDF: 64.0/58



Right In: 0.000+/-0.000 χ^2/NDF: 9970217.9/31

Left Out: 0.000+/-0.000 χ^2/NDF:2354980.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 11703299.2/35

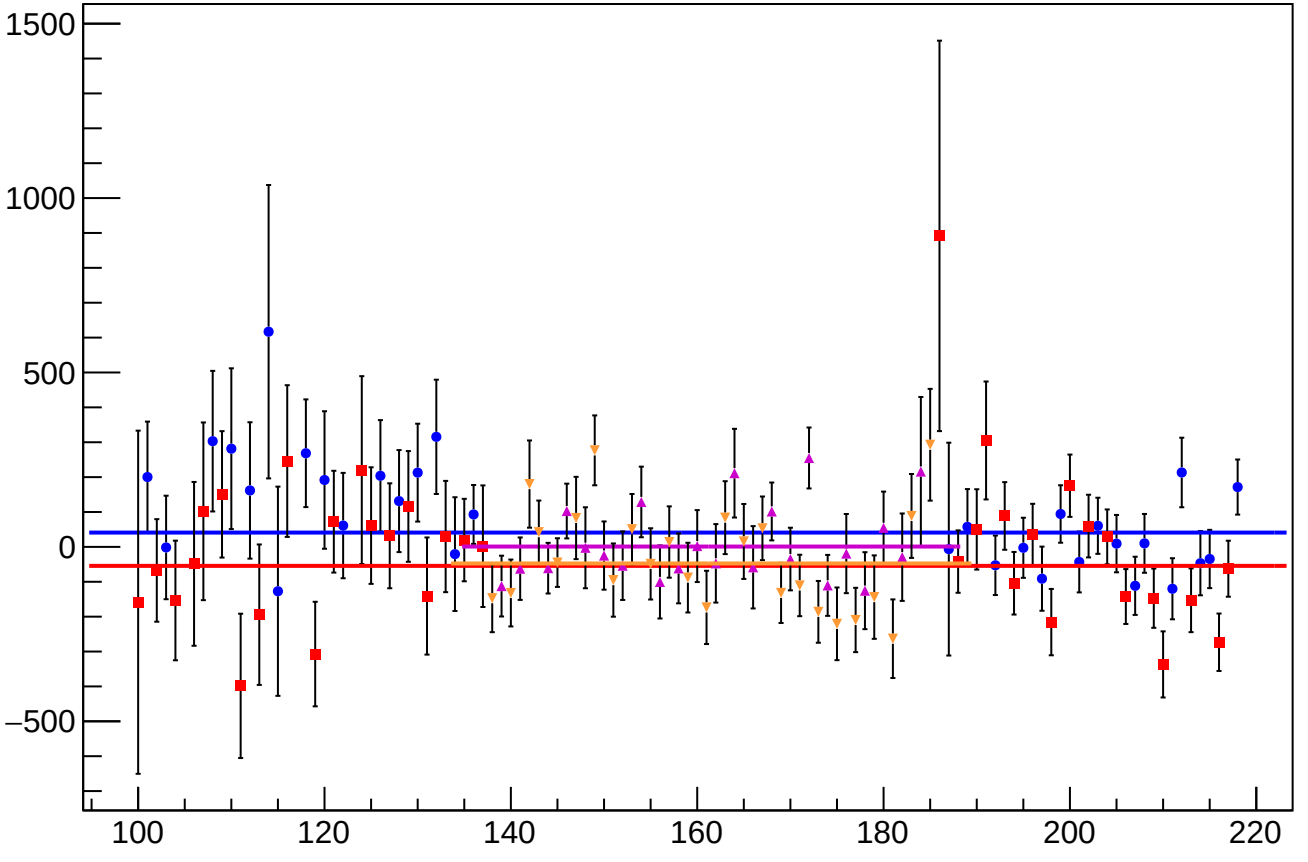
Left In: 0.000+/-0.000 χ^2/NDF:2106161.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 20404963.2/56

All: 0.000+/-0.000 χ^2/NDF: 41107985.6/115

- sign 0.000+/-0.000 χ^2/NDF: 20314493.9/58

reg_asym_sam_26_48_dd_mean vs Slug



Right In: 41.070+/-19.463 χ^2/NDF: 34.9/31

Left Out: -47.524+/-19.983 χ^2/NDF:44.0/24

Right Out: -54.386+/-19.707 χ^2/NDF: 58.4/35

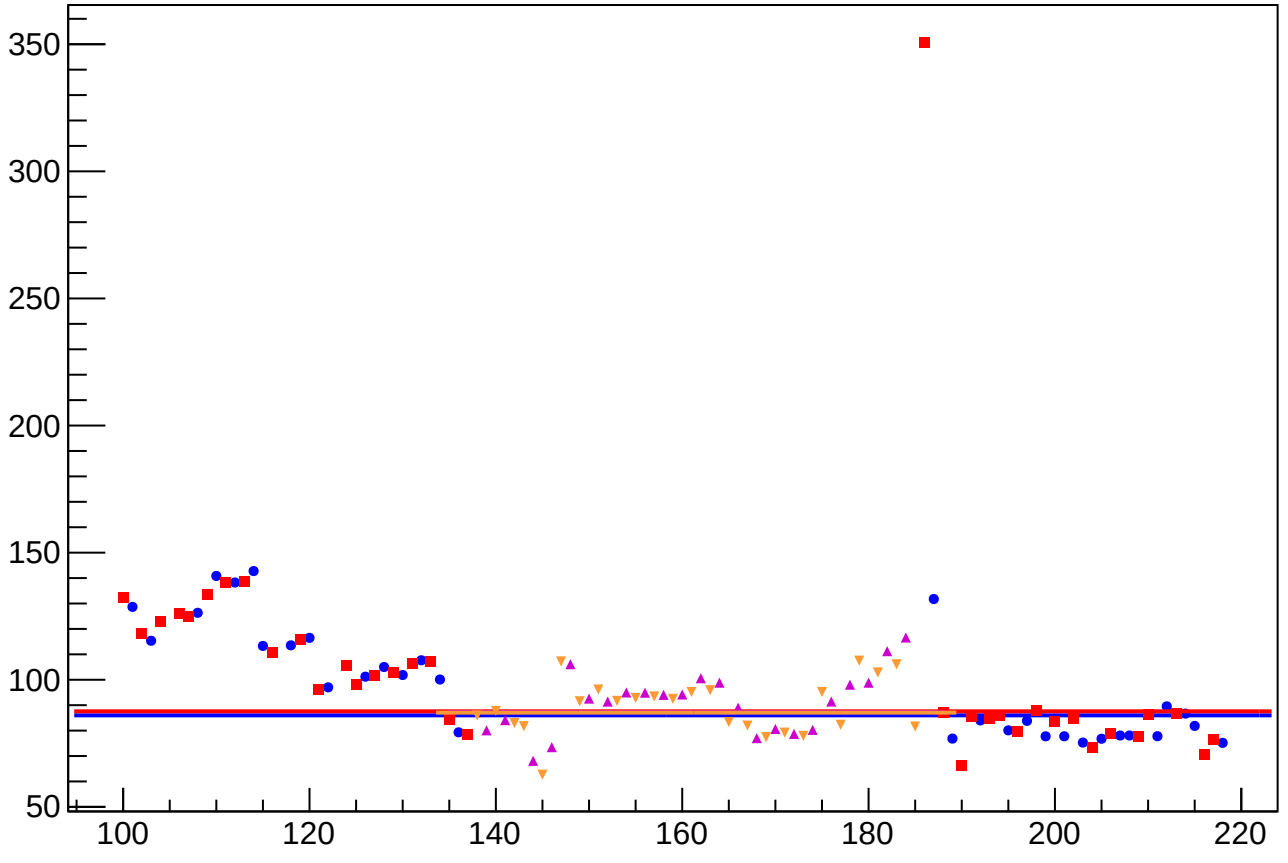
Left In: 0.986+/-20.604 χ^2/NDF:25.5/22

+ sign -2.060+/-13.943 χ^2/NDF: 89.0/56

All: -14.721+/-9.963 χ^2/NDF: 178.3/115

- sign -27.931+/-14.241 χ^2/NDF: 87.6/58

reg_asym_sam_26_48_dd_rms vs Slug



Right In: 86.006+/-0.014 χ^2/NDF: 1141402.7/31

Left Out: 87.072+/-0.014 χ^2/NDF:620626.5/24

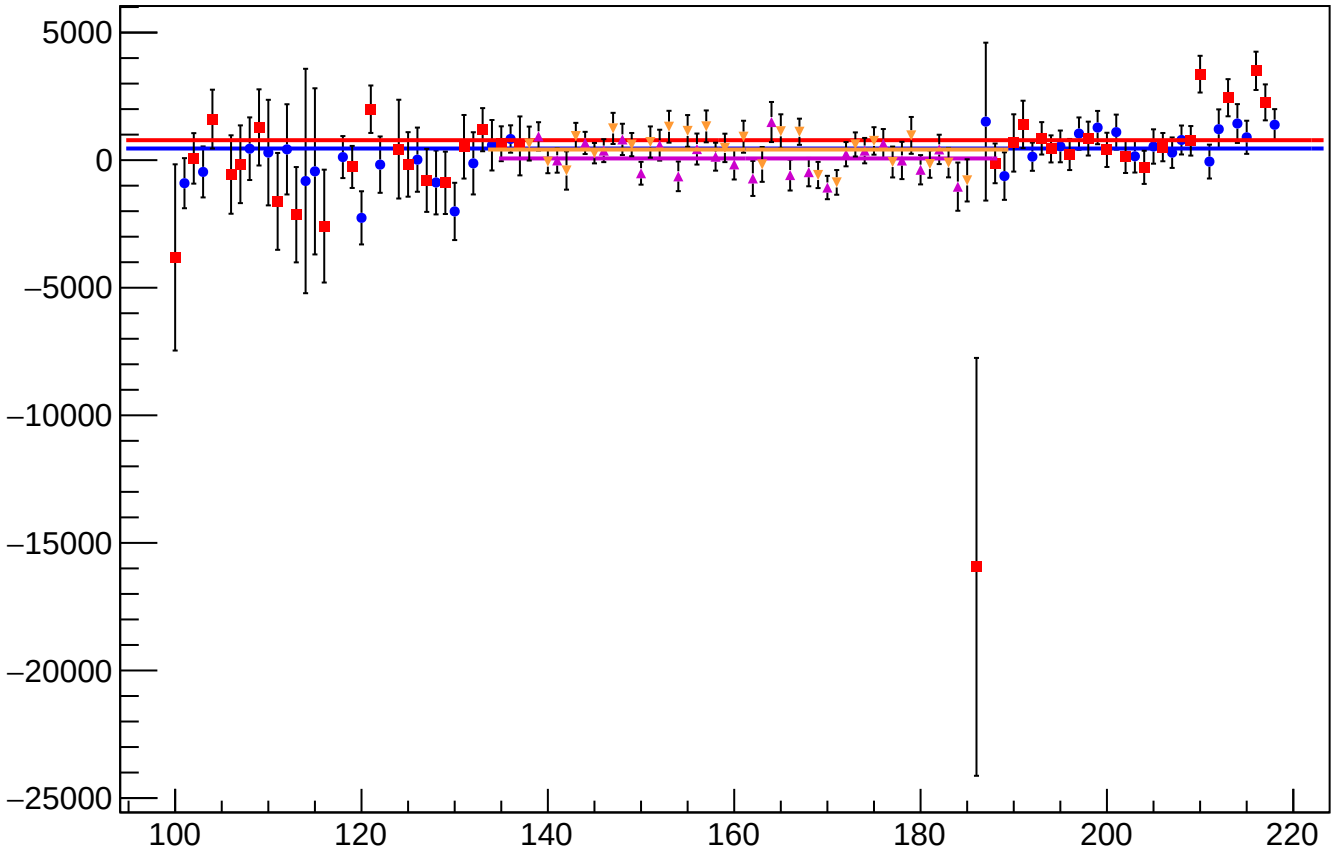
Right Out: 87.587+/-0.014 χ^2/NDF: 1658286.7/35

Left In: 87.257+/-0.015 χ^2/NDF:595793.1/22

+ sign 86.525+/-0.010 χ^2/NDF: 1764948.1/56

All: 86.967+/-0.007 χ^2/NDF: 4023413.7/115

- sign 87.429+/-0.010 χ^2/NDF: 2254348.4/58



Right In: 455.747+/-142.549 χ^2/NDF: 28.8/31

Left Out: 416.424+/-112.336 χ^2/NDF:32.4/24

Right Out: 782.293+/-142.433 χ^2/NDF: 65.3/35

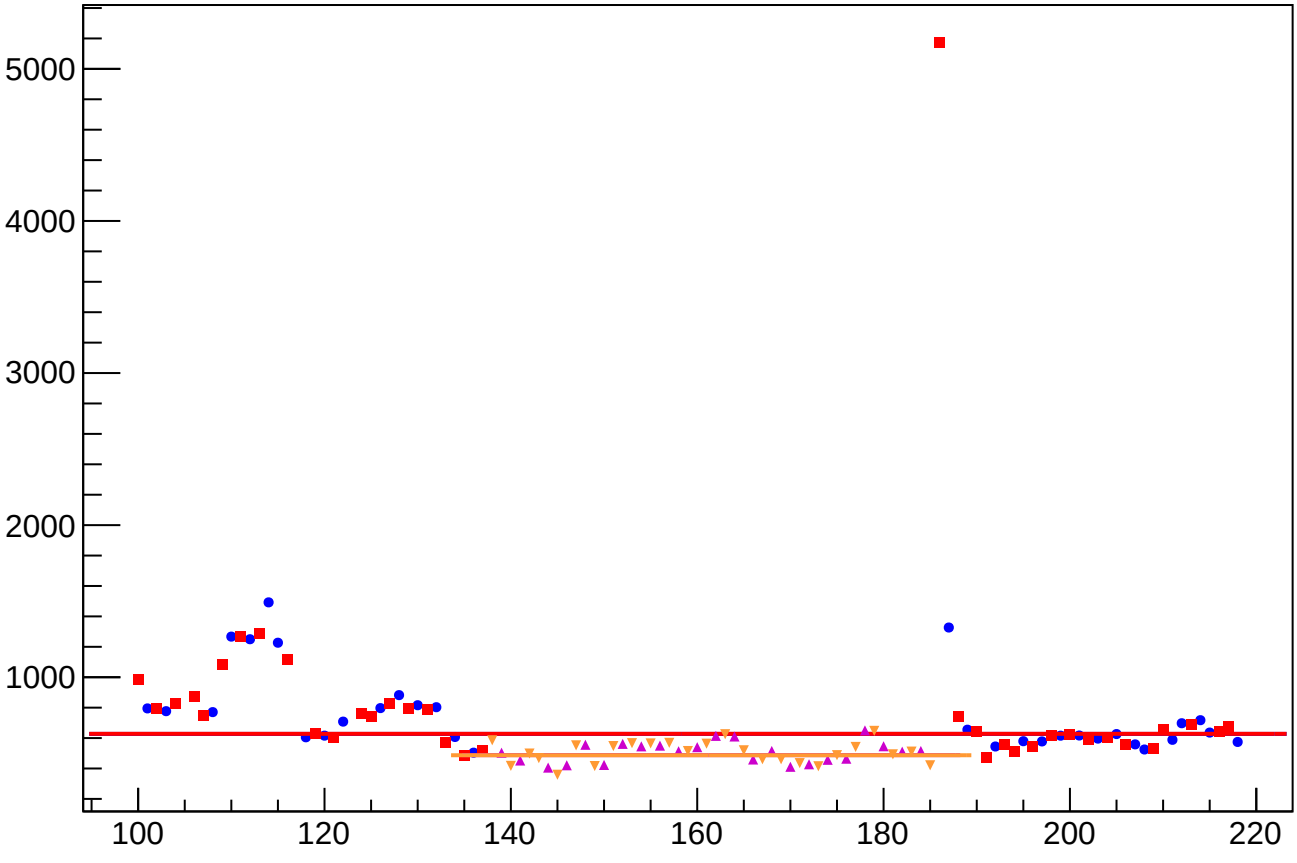
Left In: 66.675+/-115.419 χ^2/NDF:27.5/22

+ sign 431.489+/-88.232 χ^2/NDF: 61.3/56

All: 391.565+/-62.893 χ^2/NDF: 169.8/115

- sign 350.327+/-89.673 χ^2/NDF: 108.1/58

asym_sam_26_48_dd_reg_correction_rms vs Slug



Right In: 627.200+/-0.101 χ^2/NDF: 1388279.7/31

Left Out: 487.081+/-0.079 χ^2/NDF:821265.9/24

Right Out: 627.889+/-0.101 χ^2/NDF: 2233884.2/35

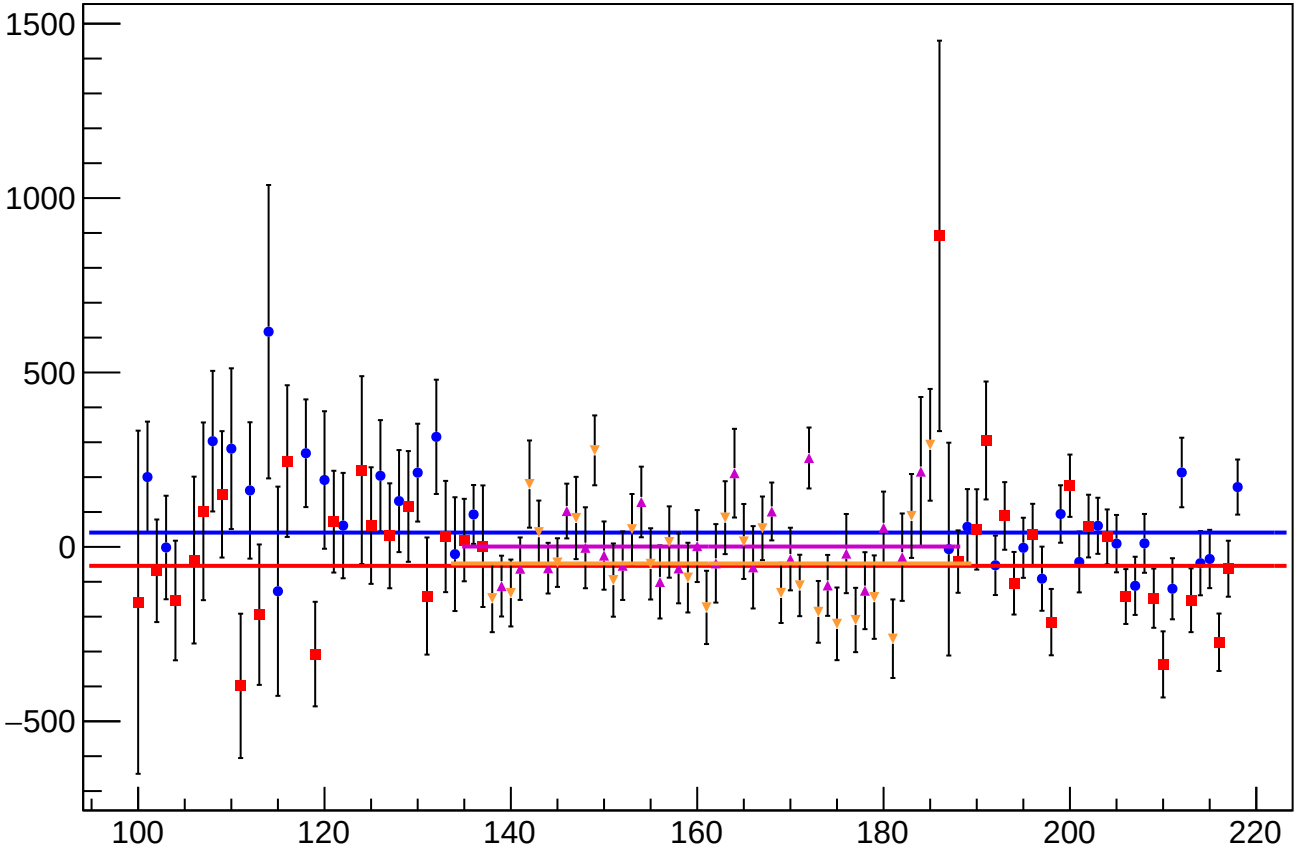
Left In: 487.930+/-0.082 χ^2/NDF:634269.5/22

+ sign 540.761+/-0.062 χ^2/NDF: 3401624.2/56

All: 542.062+/-0.044 χ^2/NDF: 7436343.3/115

- sign 543.406+/-0.063 χ^2/NDF: 4033835.0/58

cor_asym_sam_26_48_dd_mean vs Slug



Right In: 41.064+/-19.463 χ^2/NDF: 34.9/31

Left Out: -47.532+/-19.983 χ^2/NDF:44.0/24

Right Out: -54.330+/-19.710 χ^2/NDF: 58.4/35

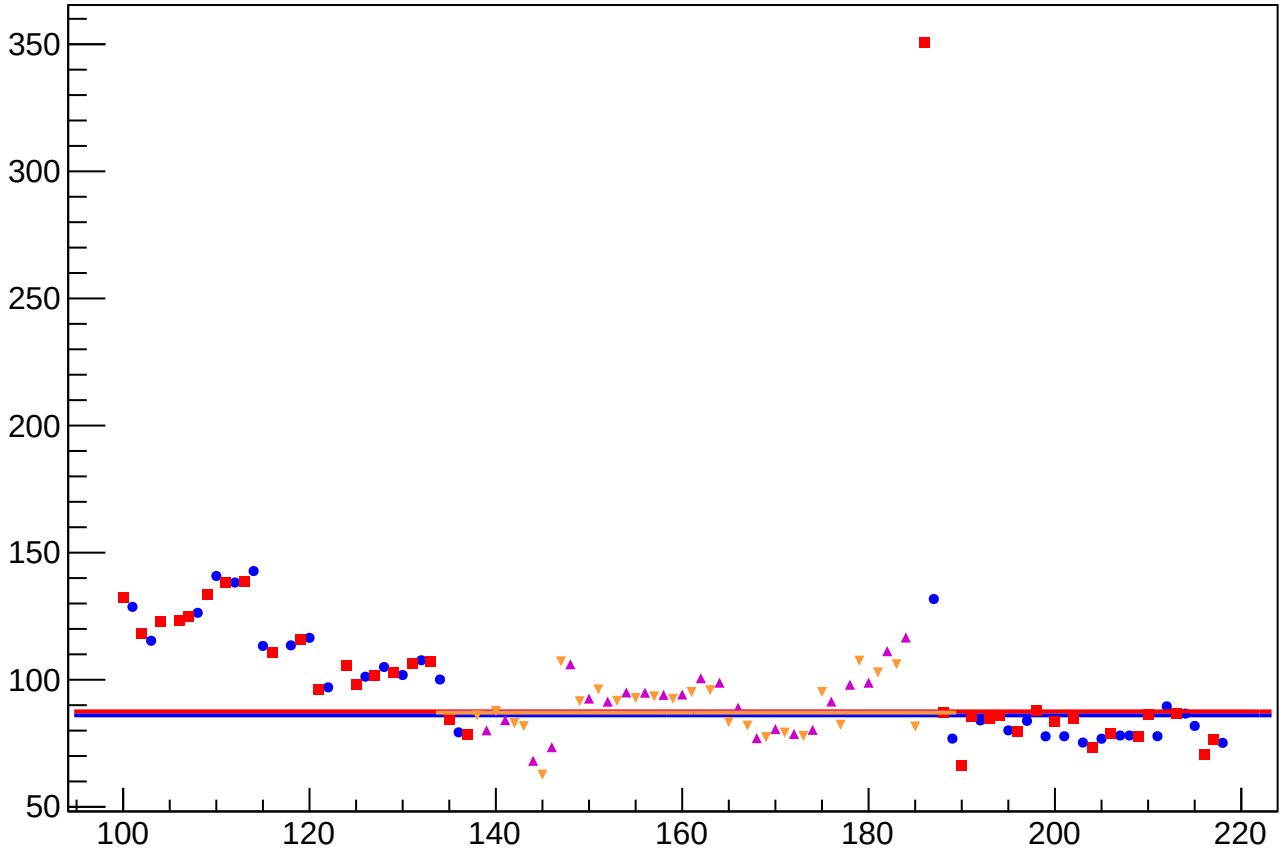
Left In: 0.988+/-20.604 χ^2/NDF:25.5/22

+ sign -2.067+/-13.943 χ^2/NDF: 89.0/56

All: -14.708+/-9.963 χ^2/NDF: 178.3/115

- sign -27.897+/-14.242 χ^2/NDF: 87.6/58

cor_asym_sam_26_48_dd_rms vs Slug



Right In: 86.006+/-0.014 χ^2/NDF: 1141403.0/31

Left Out: 87.072+/-0.014 χ^2/NDF:620626.5/24

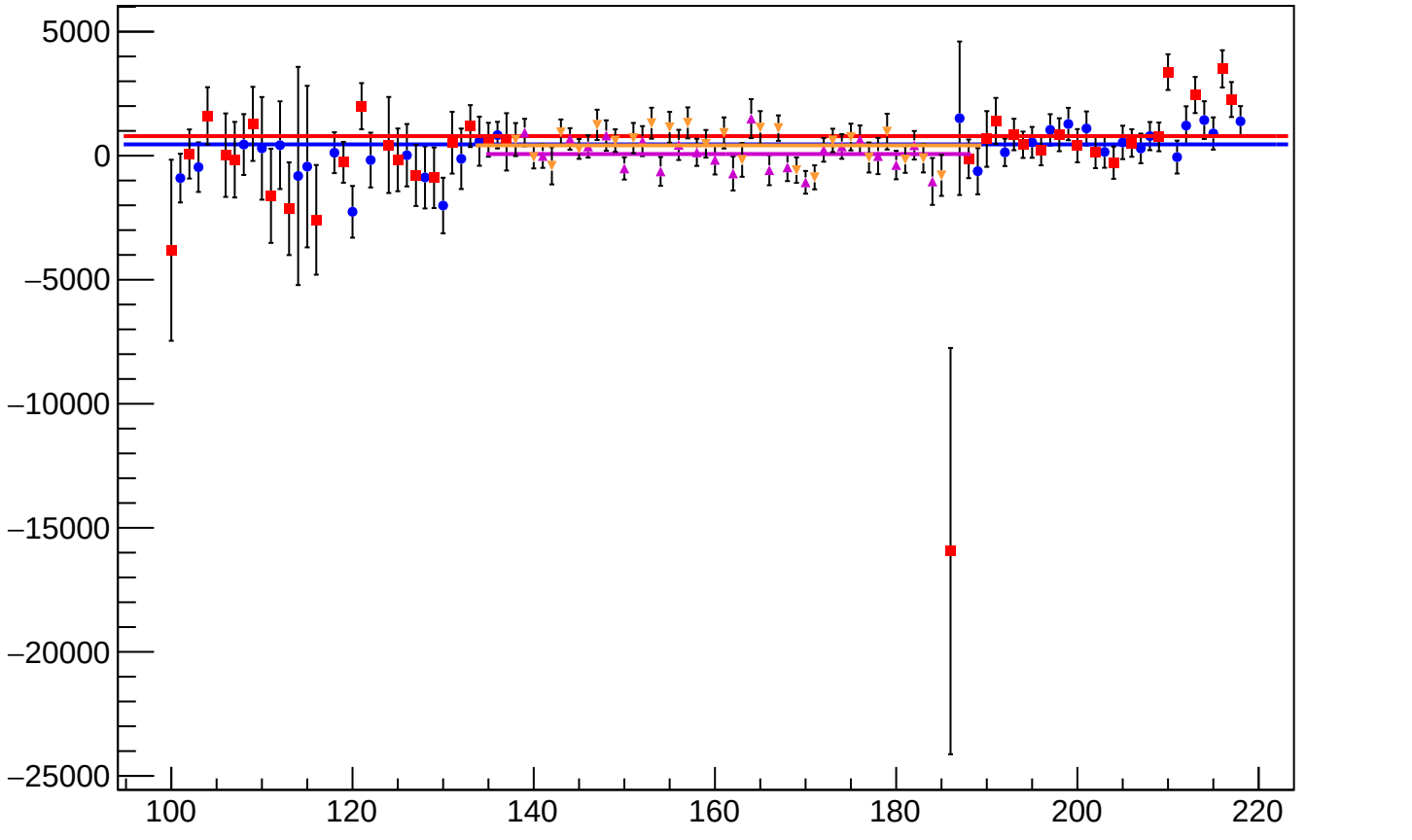
Right Out: 87.558+/-0.014 χ^2/NDF: 1649151.6/35

Left In: 87.257+/-0.015 χ^2/NDF:595793.1/22

+ sign 86.525+/-0.010 χ^2/NDF: 1764948.5/56

All: 86.960+/-0.007 χ^2/NDF: 4014098.3/115

- sign 87.414+/-0.010 χ^2/NDF: 2245168.6/58



Right In: 455.744+/-142.549 χ^2/NDF: 28.8/31

Left Out: 416.416+/-112.336 χ^2/NDF:32.4/24

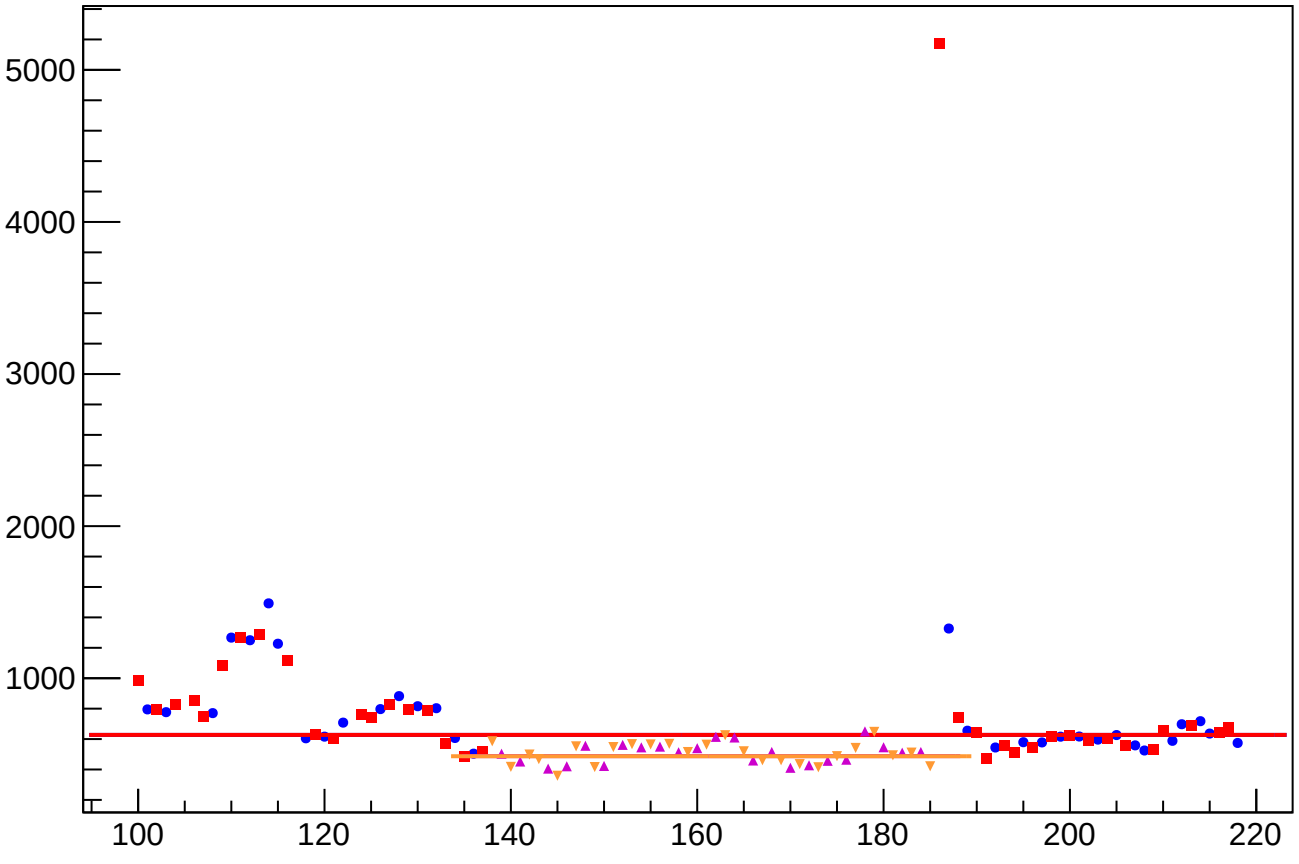
Right Out: 788.408+/-142.536 χ^2/NDF: 64.8/35

Left In: 66.674+/-115.419 χ^2/NDF:27.5/22

+ sign 431.483+/-88.232 χ^2/NDF: 61.3/56

All: 392.643+/-62.901 χ^2/NDF: 169.4/115

- sign 352.500+/-89.699 χ^2/NDF: 107.8/58



Right In: 627.200+/-0.101 χ^2/NDF: 1388291.8/31

Left Out: 487.081+/-0.079 χ^2/NDF:821261.6/24

Right Out: 627.398+/-0.101 χ^2/NDF: 2218839.1/35

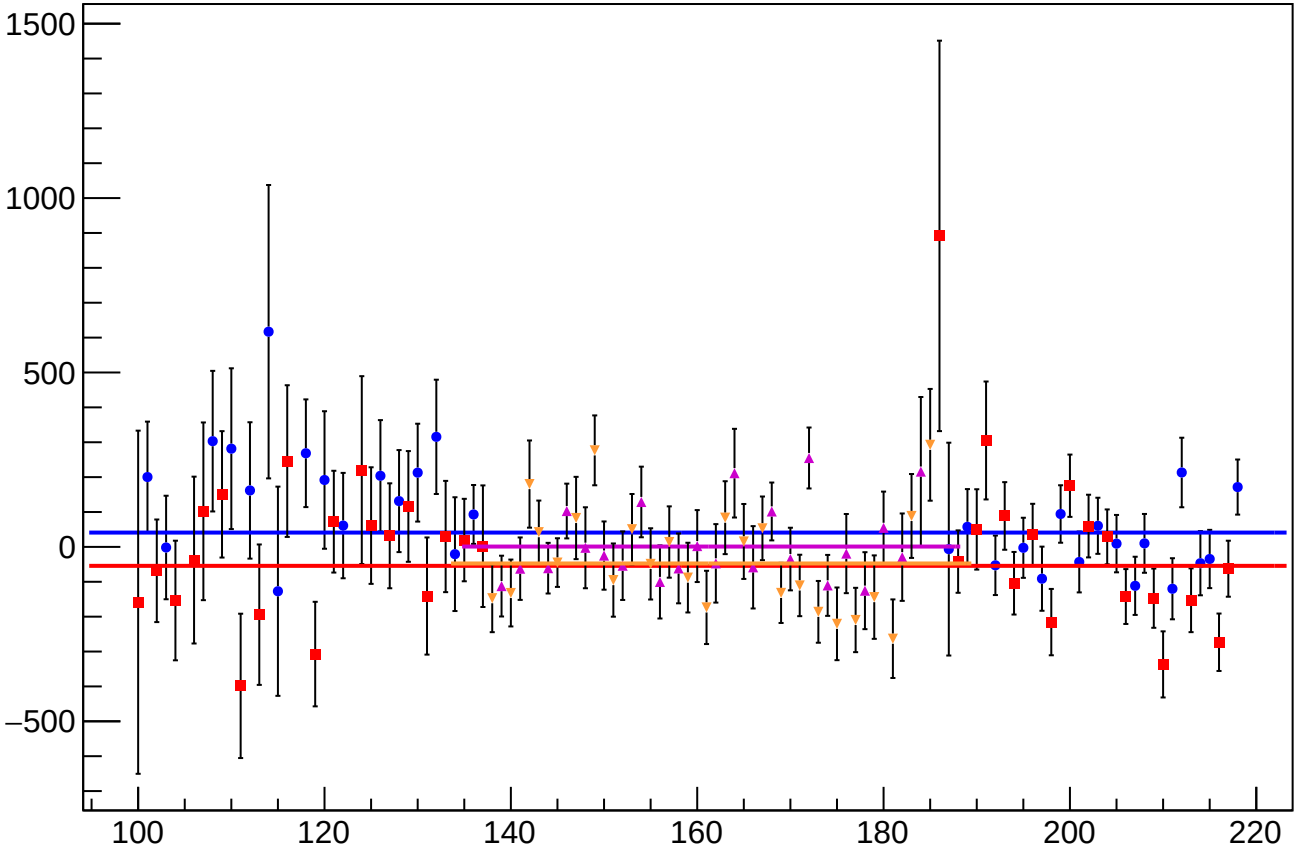
Left In: 487.930+/-0.082 χ^2/NDF:634273.3/22

+ sign 540.761+/-0.062 χ^2/NDF: 3401629.0/56

All: 541.942+/-0.044 χ^2/NDF: 7411973.7/115

- sign 543.163+/-0.063 χ^2/NDF: 4009615.8/58

eigen_cor_asym_sam_26_48_dd_mean vs Slug



Right In: 41.064+/-19.463 χ^2/NDF: 34.9/31

Left Out: -47.532+/-19.983 χ^2/NDF:44.0/24

Right Out: -54.330+/-19.710 χ^2/NDF: 58.4/35

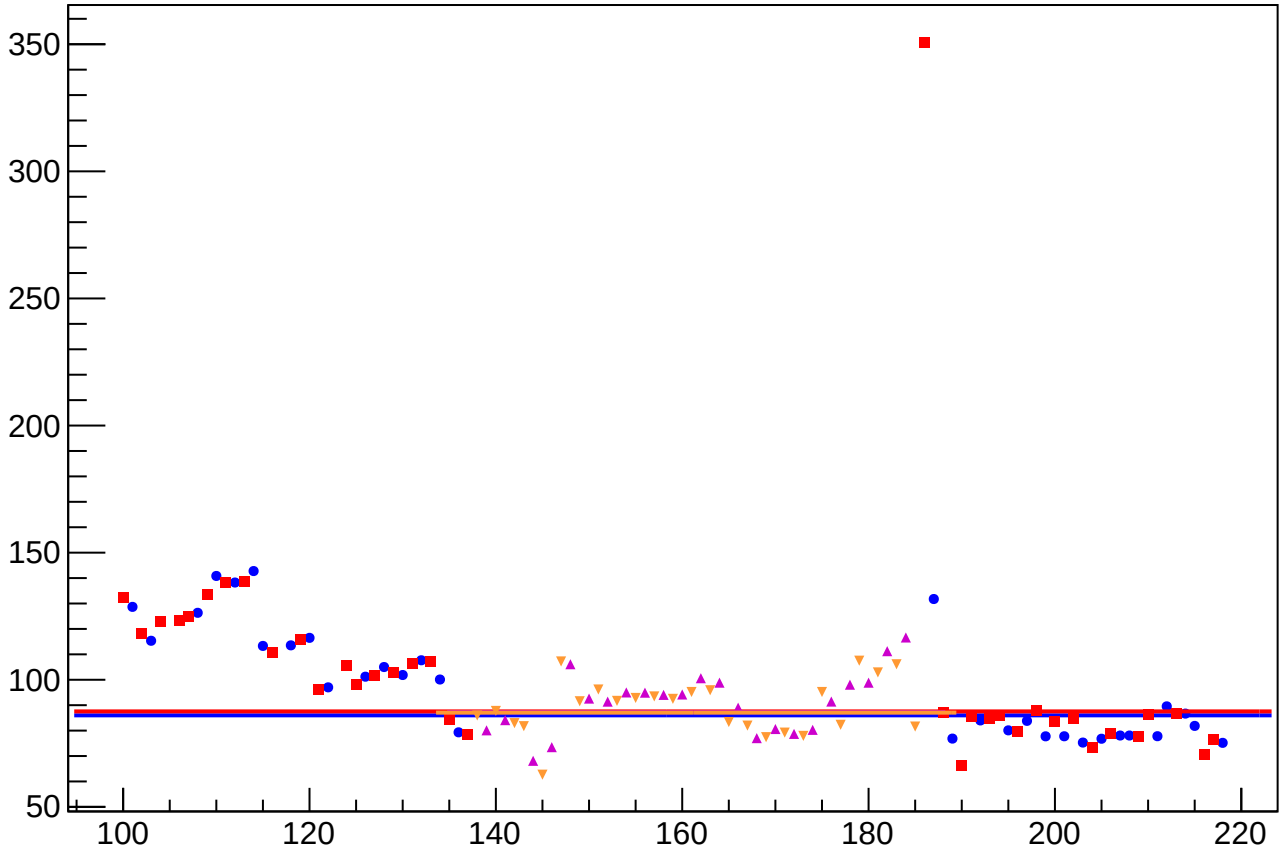
Left In: 0.988+/-20.604 χ^2/NDF:25.5/22

+ sign -2.067+/-13.943 χ^2/NDF: 89.0/56

All: -14.708+/-9.963 χ^2/NDF: 178.3/115

- sign -27.897+/-14.242 χ^2/NDF: 87.6/58

eigen_cor_asym_sam_26_48_dd_rms vs Slug



Right In: 86.006+/-0.014 χ^2/NDF: 1141403.0/31

Left Out: 87.072+/-0.014 χ^2/NDF:620626.5/24

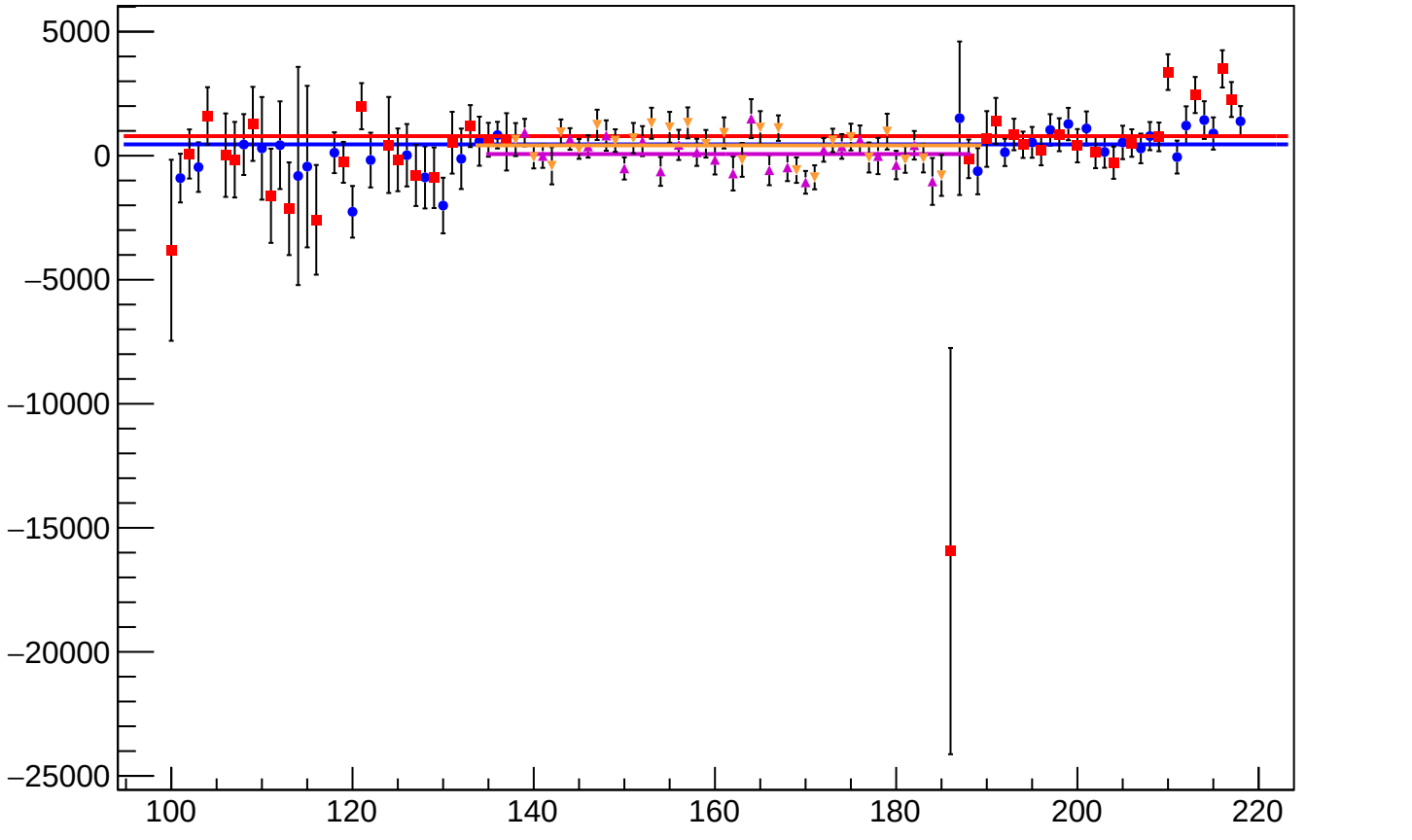
Right Out: 87.558+/-0.014 χ^2/NDF: 1649151.6/35

Left In: 87.257+/-0.015 χ^2/NDF:595793.1/22

+ sign 86.525+/-0.010 χ^2/NDF: 1764948.5/56

All: 86.960+/-0.007 χ^2/NDF: 4014098.3/115

- sign 87.414+/-0.010 χ^2/NDF: 2245168.6/58



Right In: 455.744+/-142.549 χ^2/NDF: 28.8/31

Left Out: 416.416+/-112.336 χ^2/NDF:32.4/24

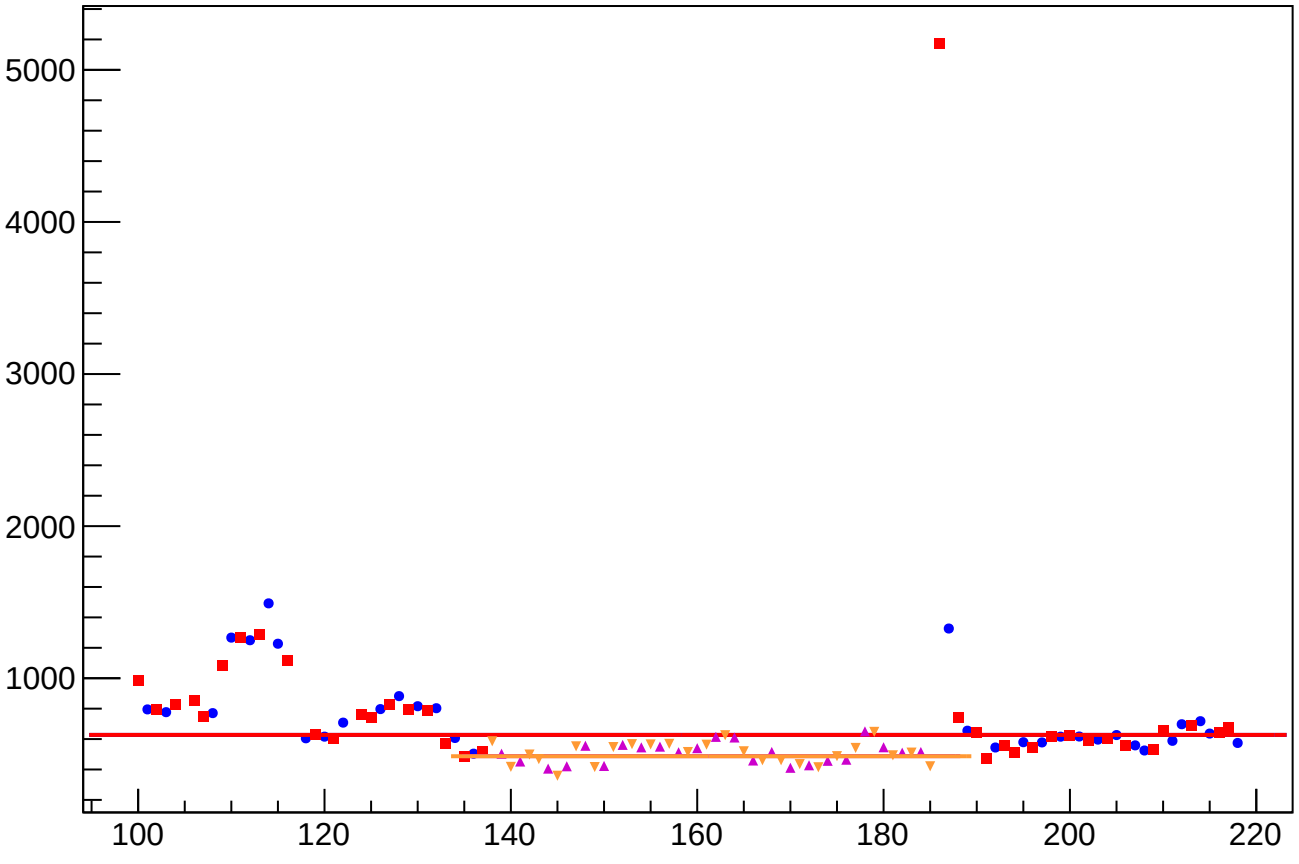
Right Out: 788.408+/-142.536 χ^2/NDF: 64.8/35

Left In: 66.674+/-115.419 χ^2/NDF:27.5/22

+ sign 431.483+/-88.232 χ^2/NDF: 61.3/56

All: 392.643+/-62.901 χ^2/NDF: 169.4/115

- sign 352.500+/-89.699 χ^2/NDF: 107.8/58



Right In: 627.200+/-0.101 χ^2/NDF: 1388291.8/31

Left Out: 487.081+/-0.079 χ^2/NDF:821261.6/24

Right Out: 627.398+/-0.101 χ^2/NDF: 2218839.1/35

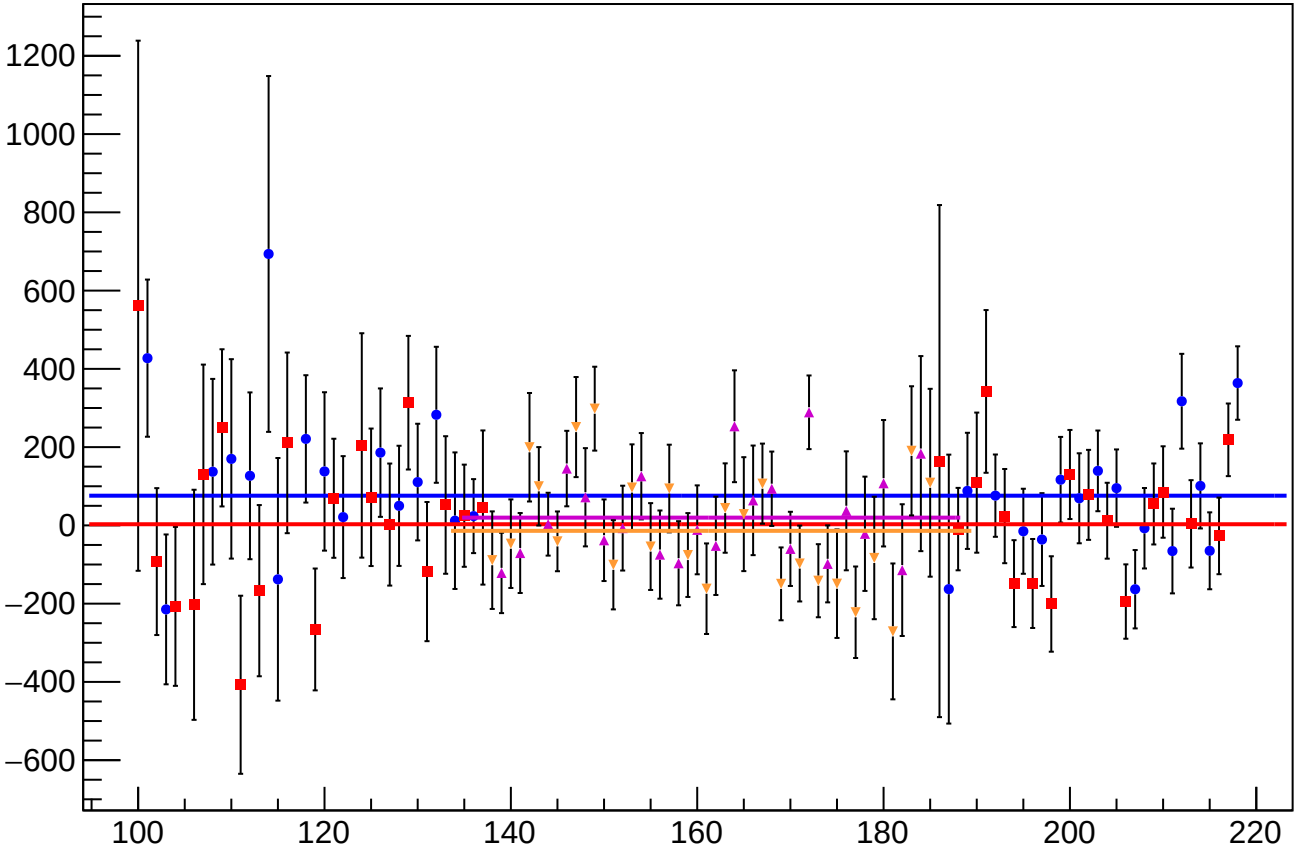
Left In: 487.930+/-0.082 χ^2/NDF:634273.3/22

+ sign 540.761+/-0.062 χ^2/NDF: 3401629.0/56

All: 541.942+/-0.044 χ^2/NDF: 7411973.7/115

- sign 543.163+/-0.063 χ^2/NDF: 4009615.8/58

dit_asym_sam_26_48_dd_mean vs Slug



Right In: 75.883+/-23.355 χ^2/NDF: 37.5/31

Left Out: -13.904+/-22.916 χ^2/NDF:36.4/24

Right Out: 2.945+/-23.607 χ^2/NDF: 38.4/35

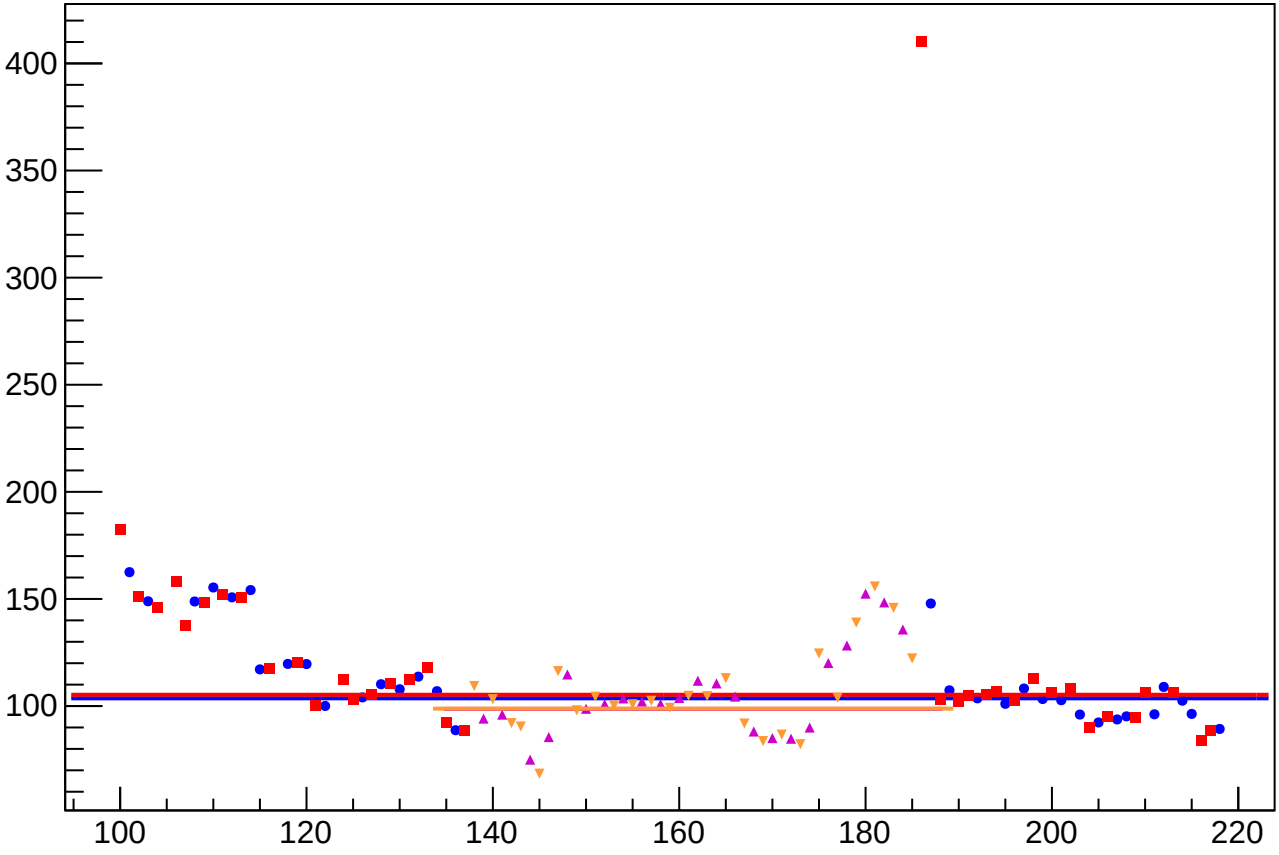
Left In: 19.805+/-23.571 χ^2/NDF:23.3/22

\+ sign 30.138+/-16.357 χ^2/NDF: 81.4/56

All: 20.946+/-11.679 χ^2/NDF: 144.1/115

\- sign 11.388+/-16.680 χ^2/NDF: 62.0/58

dit_asym_sam_26_48_dd_rms vs Slug



Right In: 103.610+/-0.017 χ^2/NDF: 840049.0/31

Left Out: 98.799+/-0.016 χ^2/NDF:1185806.0/24

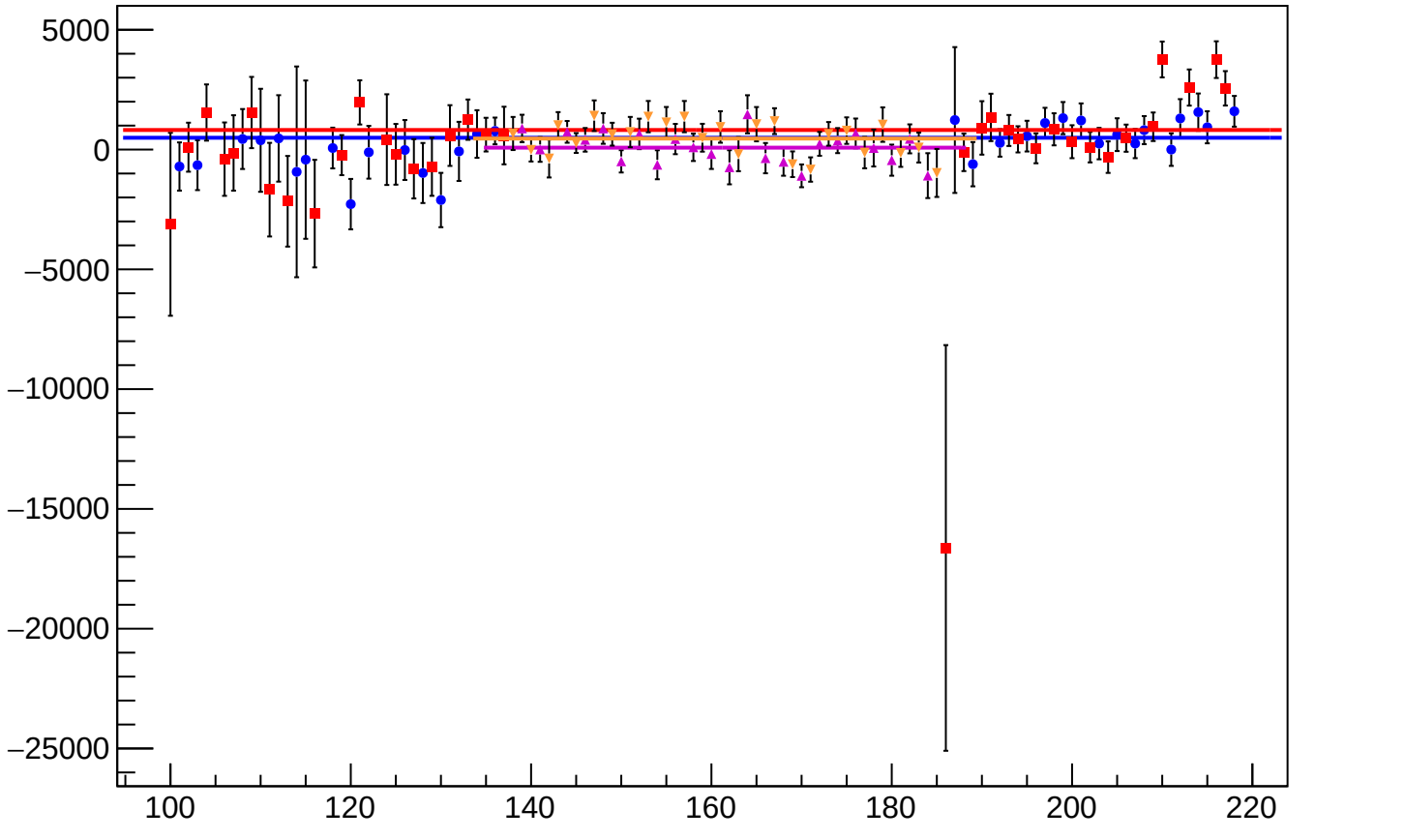
Right Out: 105.271+/-0.017 χ^2/NDF: 1355858.3/35

Left In: 98.673+/-0.017 χ^2/NDF:987817.0/22

+ sign 101.159+/-0.012 χ^2/NDF: 2069104.4/56

All: 101.555+/-0.008 χ^2/NDF: 4493420.9/115

- sign 101.967+/-0.012 χ^2/NDF: 2421923.1/58



Right In: 492.735+/-146.253 χ^2/NDF: 30.1/31

Left Out: 459.094+/-118.111 χ^2/NDF:30.8/24

Right Out: 816.403+/-145.298 χ^2/NDF: 72.0/35

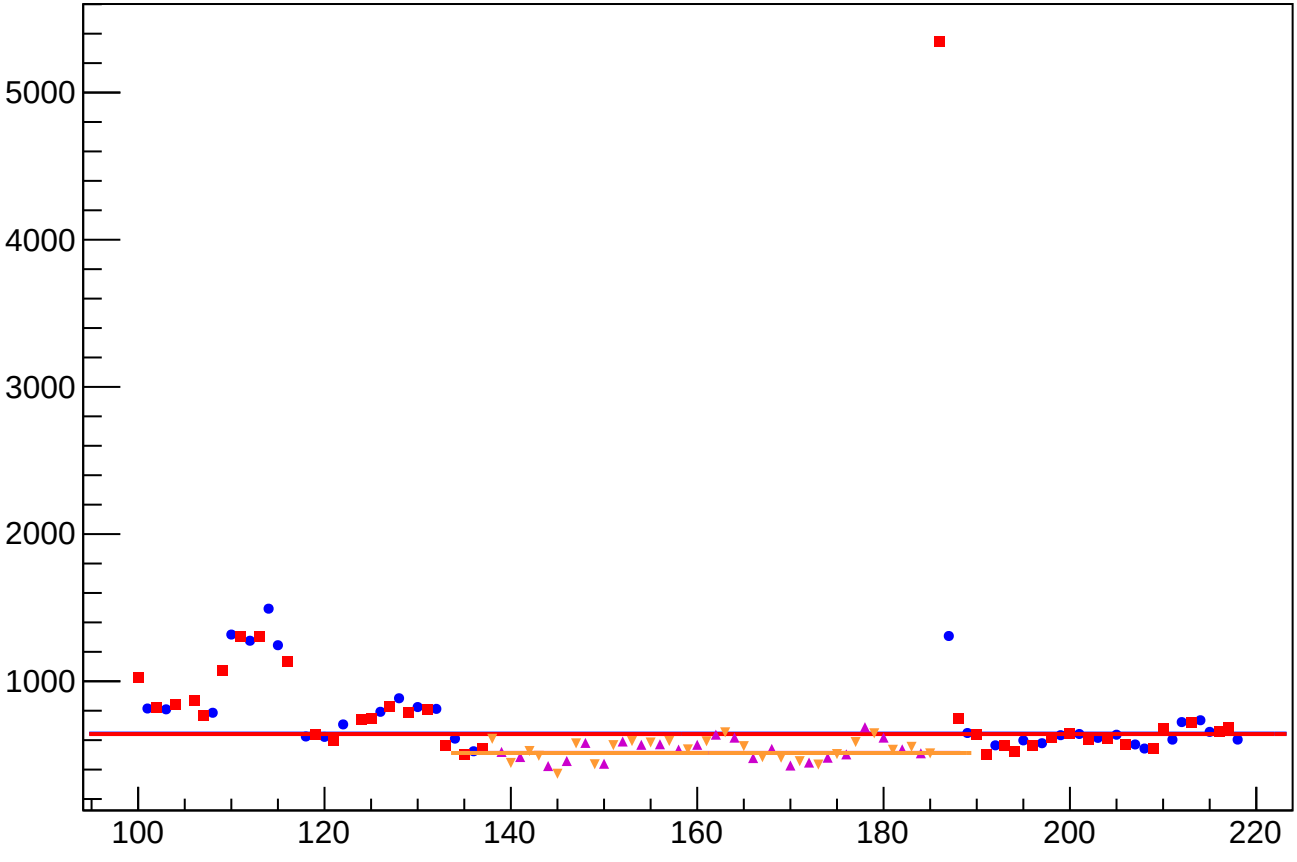
Left In: 78.791+/-121.436 χ^2/NDF:26.2/22

+ sign 472.374+/-91.889 χ^2/NDF: 60.9/56

All: 427.883+/-65.426 χ^2/NDF: 174.8/115

- sign 382.135+/-93.178 χ^2/NDF: 113.4/58

asym_sam_26_48_dd_dit_correction_rms vs Slug



Right In: 644.339+/-0.103 χ^2/NDF: 1327842.1/31

Left Out: 512.768+/-0.084 χ^2/NDF:799239.4/24

Right Out: 641.283+/-0.103 χ^2/NDF: 2166848.0/35

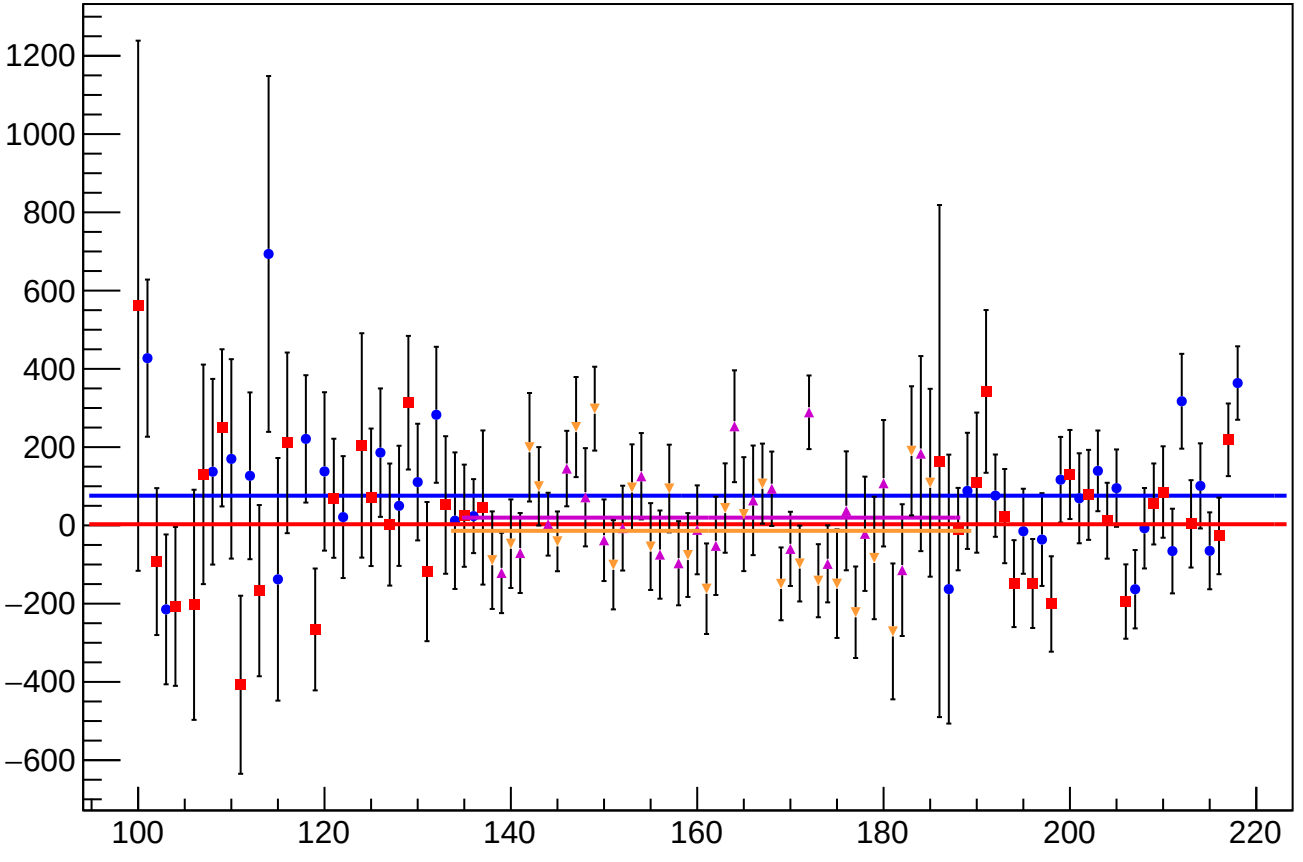
Left In: 513.375+/-0.086 χ^2/NDF:634000.2/22

+ sign 564.705+/-0.065 χ^2/NDF: 3106749.4/56

All: 565.332+/-0.046 χ^2/NDF: 6820299.3/115

- sign 565.977+/-0.066 χ^2/NDF: 3713360.8/58

eigen_dit_asym_sam_26_48_dd_mean vs Slug



Right In: 75.883+/-23.355 χ^2/NDF: 37.5/31

Left Out: -13.906+/-22.916 χ^2/NDF:36.4/24

Right Out: 2.943+/-23.607 χ^2/NDF: 38.4/35

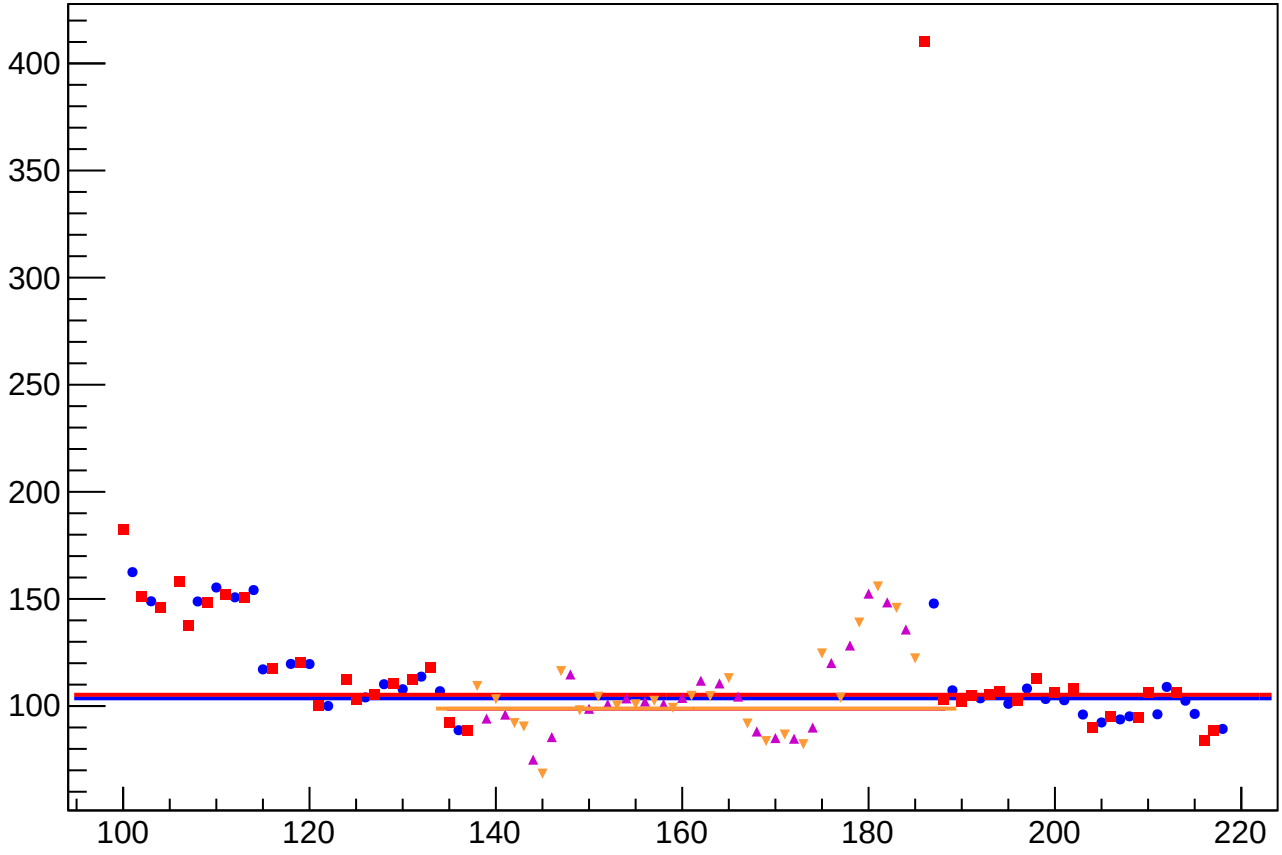
Left In: 19.805+/-23.571 χ^2/NDF:23.3/22

+ sign 30.137+/-16.357 χ^2/NDF: 81.4/56

All: 20.945+/-11.679 χ^2/NDF: 144.1/115

- sign 11.387+/-16.680 χ^2/NDF: 62.0/58

eigen_dit_asym_sam_26_48_dd_rms vs Slug



Right In: 103.610+/-0.017 χ^2/NDF: 840039.4/31

Left Out: 98.799+/-0.016 χ^2/NDF:1185809.9/24

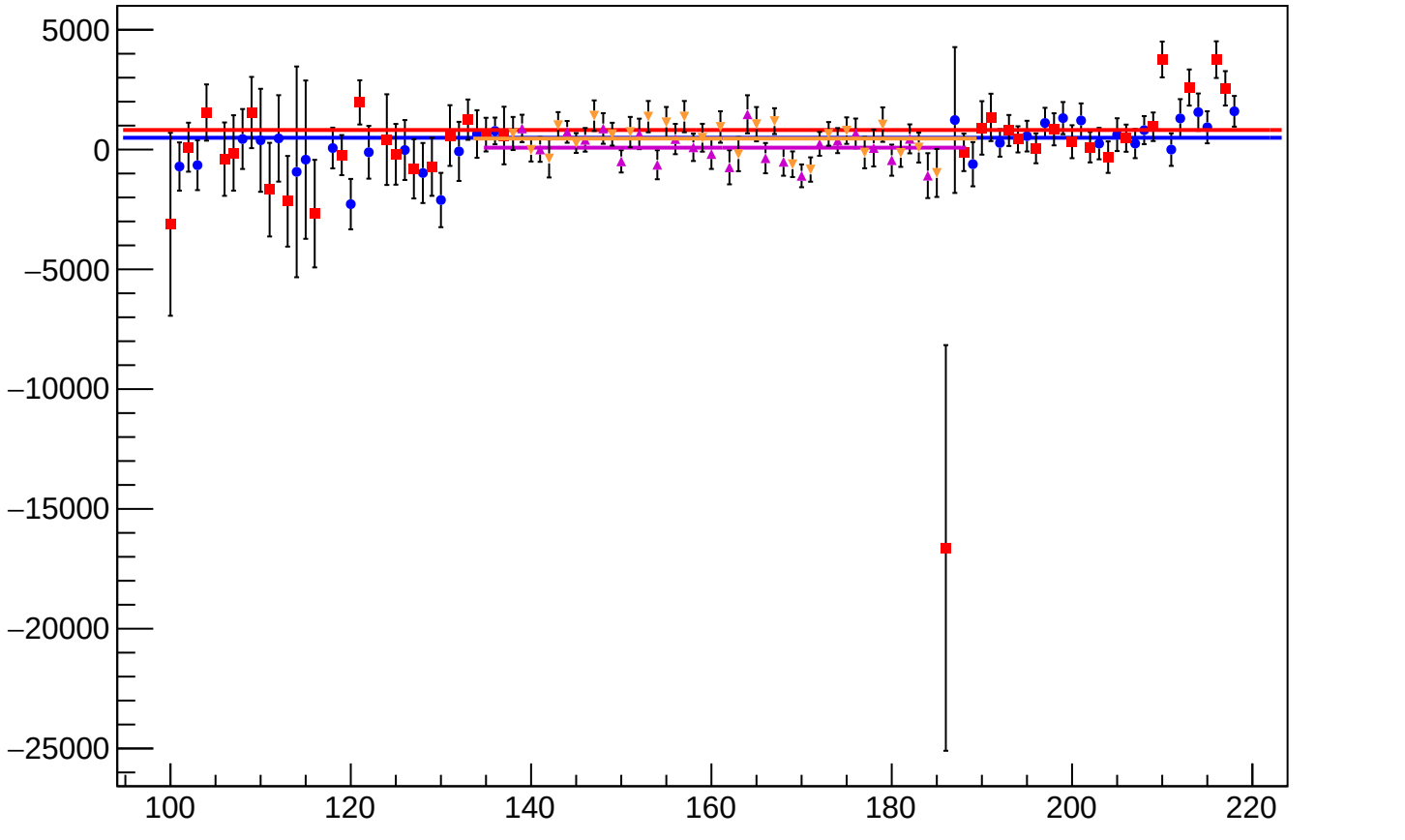
Right Out: 105.271+/-0.017 χ^2/NDF: 1355850.2/35

Left In: 98.673+/-0.017 χ^2/NDF:987808.4/22

+ sign 101.159+/-0.012 χ^2/NDF: 2069100.6/56

All: 101.555+/-0.008 χ^2/NDF: 4493402.0/115

- sign 101.967+/-0.012 χ^2/NDF: 2421907.7/58



Right In: 492.735+/-146.253 χ^2/NDF: 30.1/31

Left Out: 459.092+/-118.111 χ^2/NDF:30.8/24

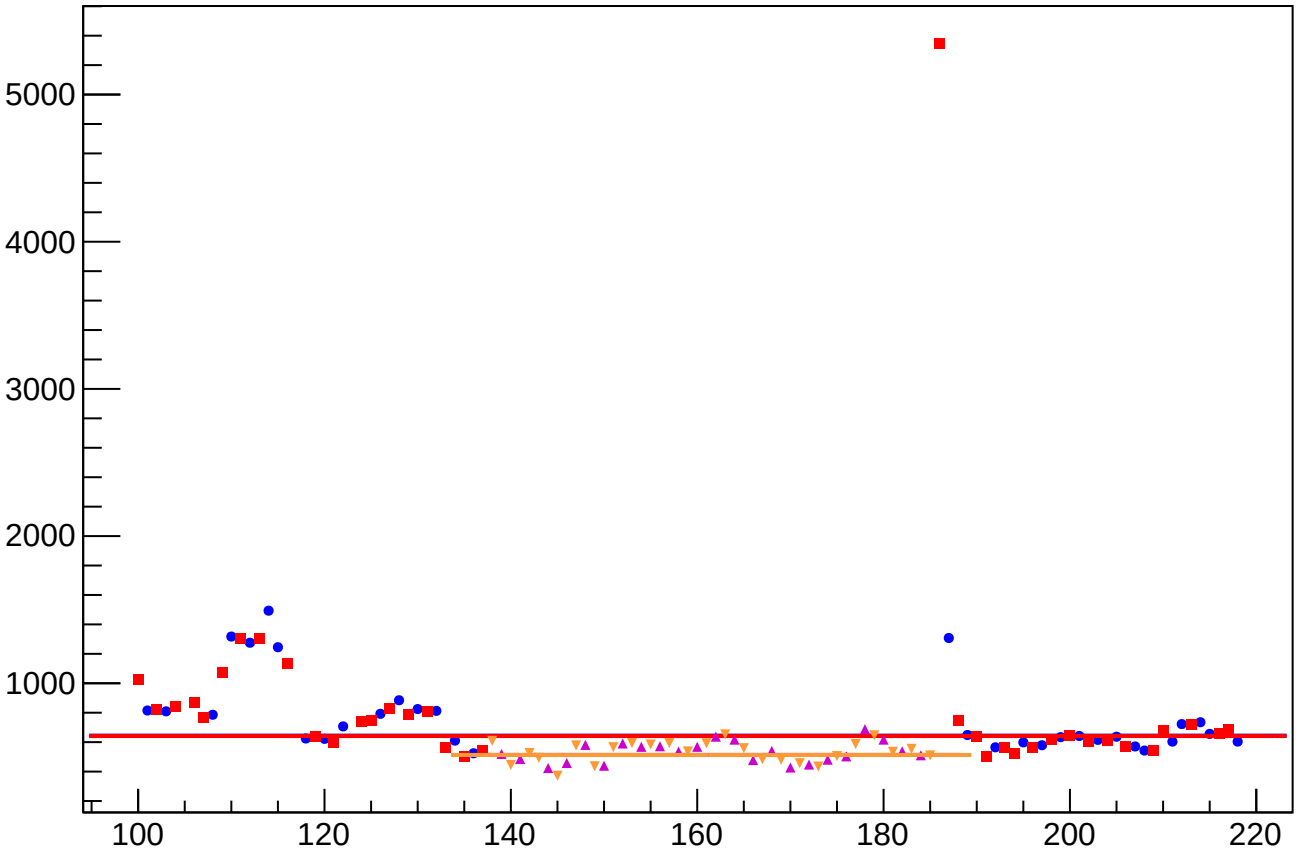
Right Out: 816.401+/-145.298 χ^2/NDF: 72.0/35

Left In: 78.791+/-121.436 χ^2/NDF:26.2/22

+ sign 472.373+/-91.888 χ^2/NDF: 60.9/56

All: 427.882+/-65.426 χ^2/NDF: 174.8/115

- sign 382.134+/-93.178 χ^2/NDF: 113.4/58



Right In: 644.338+/-0.103 χ^2/NDF: 1327838.1/31

Left Out: 512.768+/-0.084 χ^2/NDF:799239.0/24

Right Out: 641.282+/-0.103 χ^2/NDF: 2166844.9/35

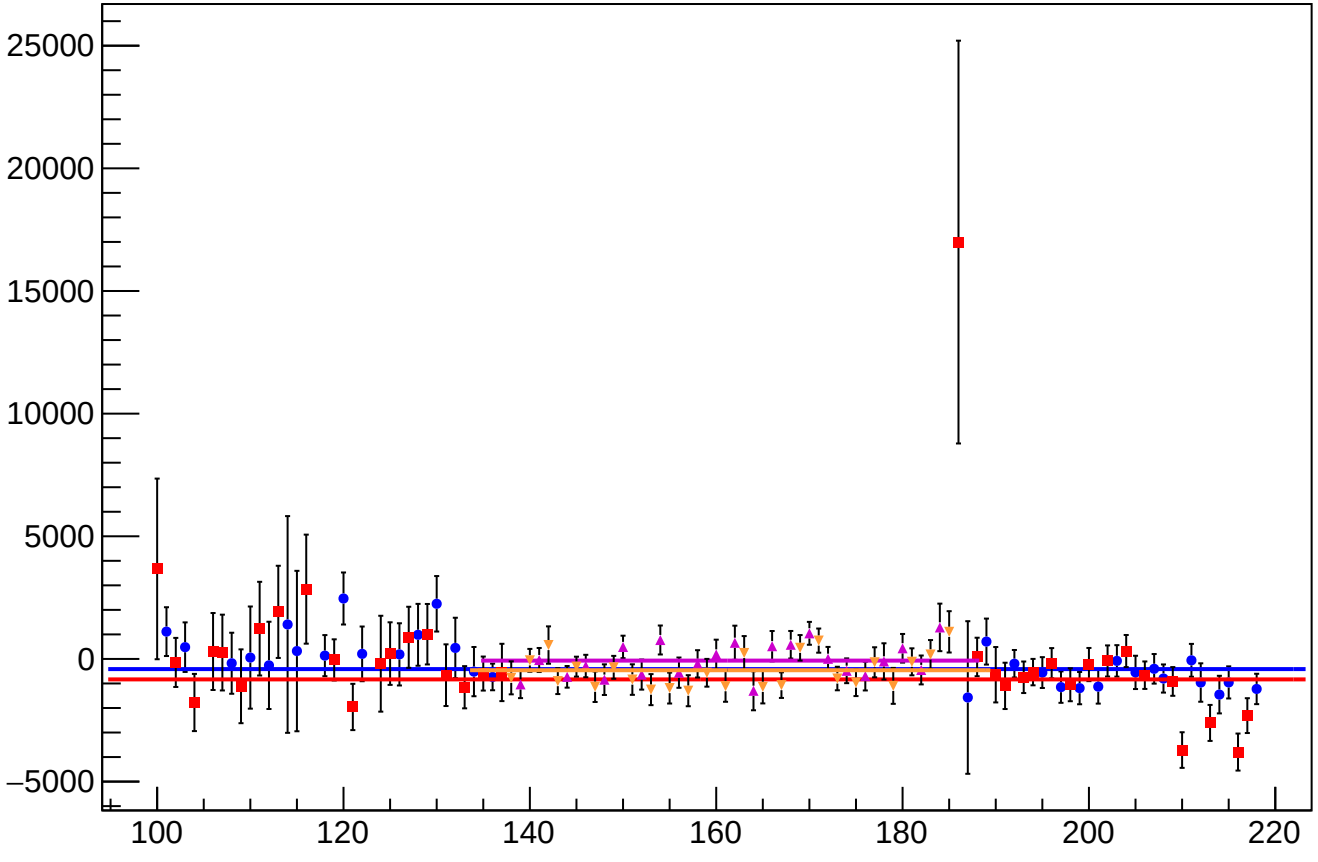
Left In: 513.374+/-0.086 χ^2/NDF:633997.9/22

+ sign 564.705+/-0.065 χ^2/NDF: 3106738.7/56

All: 565.332+/-0.046 χ^2/NDF: 6820272.5/115

- sign 565.977+/-0.066 χ^2/NDF: 3713344.8/58

asym_sam_26_48_dd_mean vs Slug



Right In: -413.930+/-144.015 χ^2/NDF: 30.7/31

Left Out: -459.862+/-114.233 χ^2/NDF:30.8/24

Right Out: -834.115+/-143.976 χ^2/NDF: 71.8/35

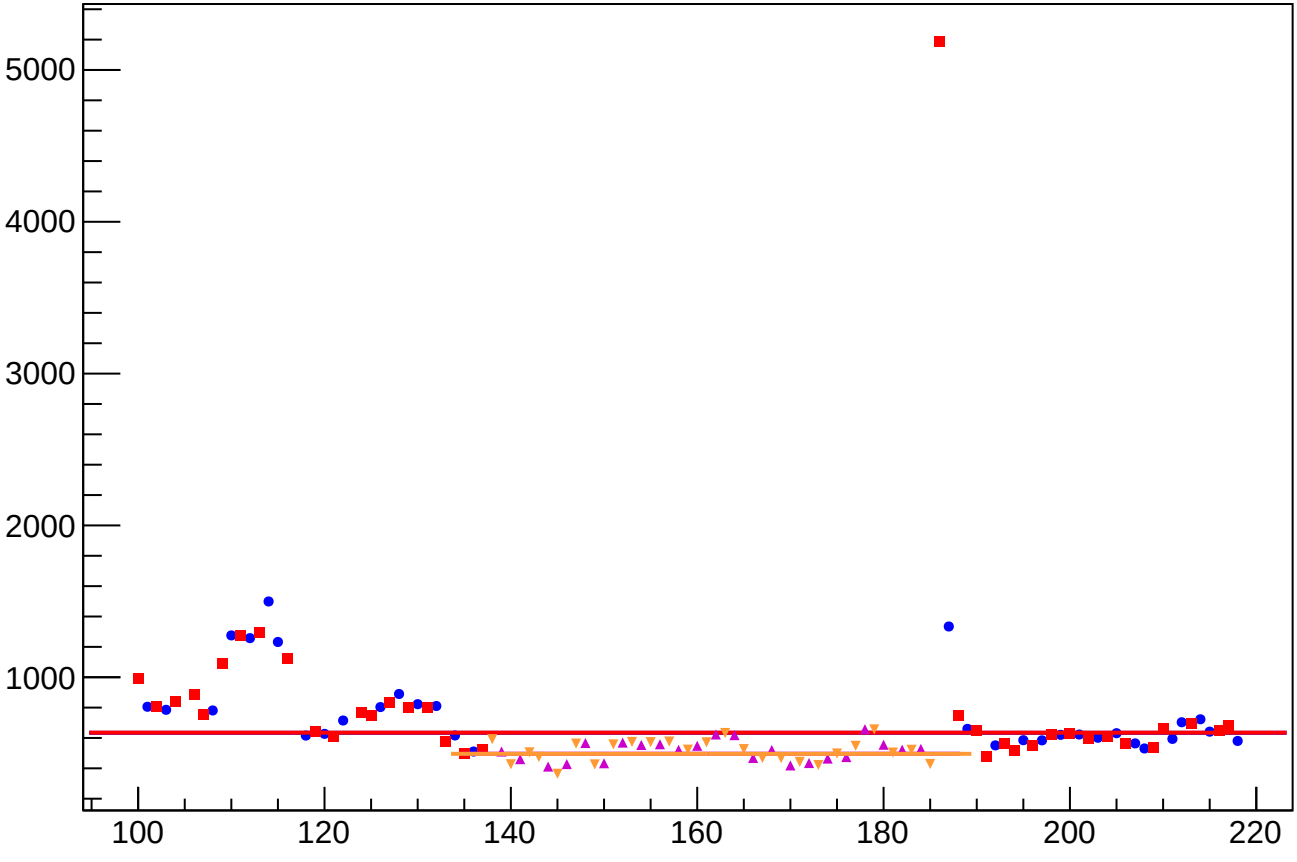
Left In: -68.043+/-117.366 χ^2/NDF:28.6/22

+ sign -442.123+/-89.497 χ^2/NDF: 61.6/56

All: -408.558+/-63.798 χ^2/NDF: 179.3/115

- sign -373.878+/-90.970 χ^2/NDF: 117.4/58

asym_sam_26_48_dd_rms vs Slug



Right In: 633.815+/-0.102 χ^2/NDF: 1375384.5/31

Left Out: 495.514+/-0.081 χ^2/NDF:804659.4/24

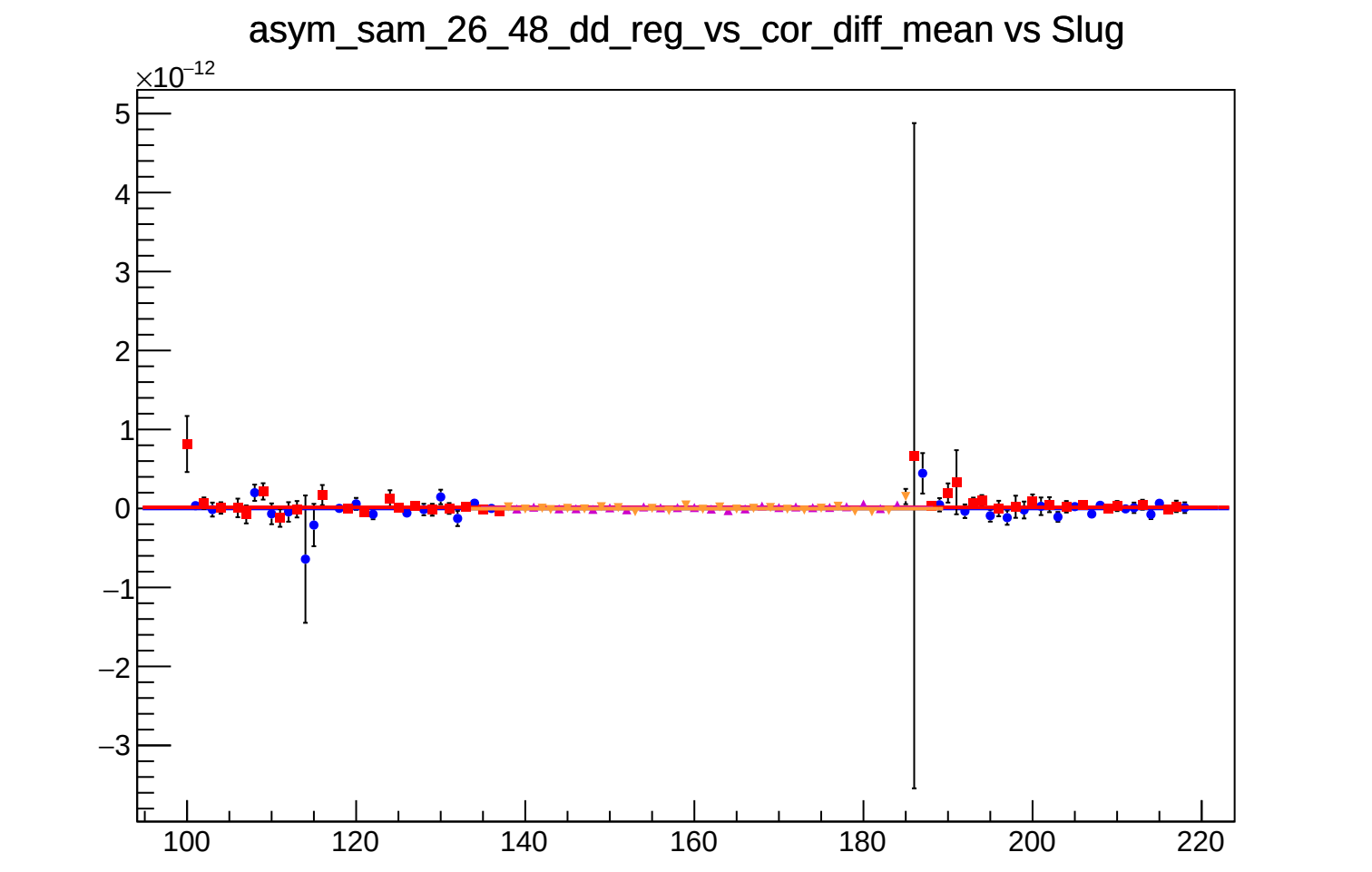
Right Out: 634.922+/-0.102 χ^2/NDF: 2210712.9/35

Left In: 496.307+/-0.083 χ^2/NDF:622356.2/22

+ sign 548.925+/-0.063 χ^2/NDF: 3312187.8/56

All: 550.263+/-0.045 χ^2/NDF: 7259903.1/115

- sign 551.646+/-0.064 χ^2/NDF: 3946805.8/58



Right In: 0.000+/-0.000 χ^2/NDF: 32.8/31

Left Out: -0.000+/-0.000 χ^2/NDF:25.1/24

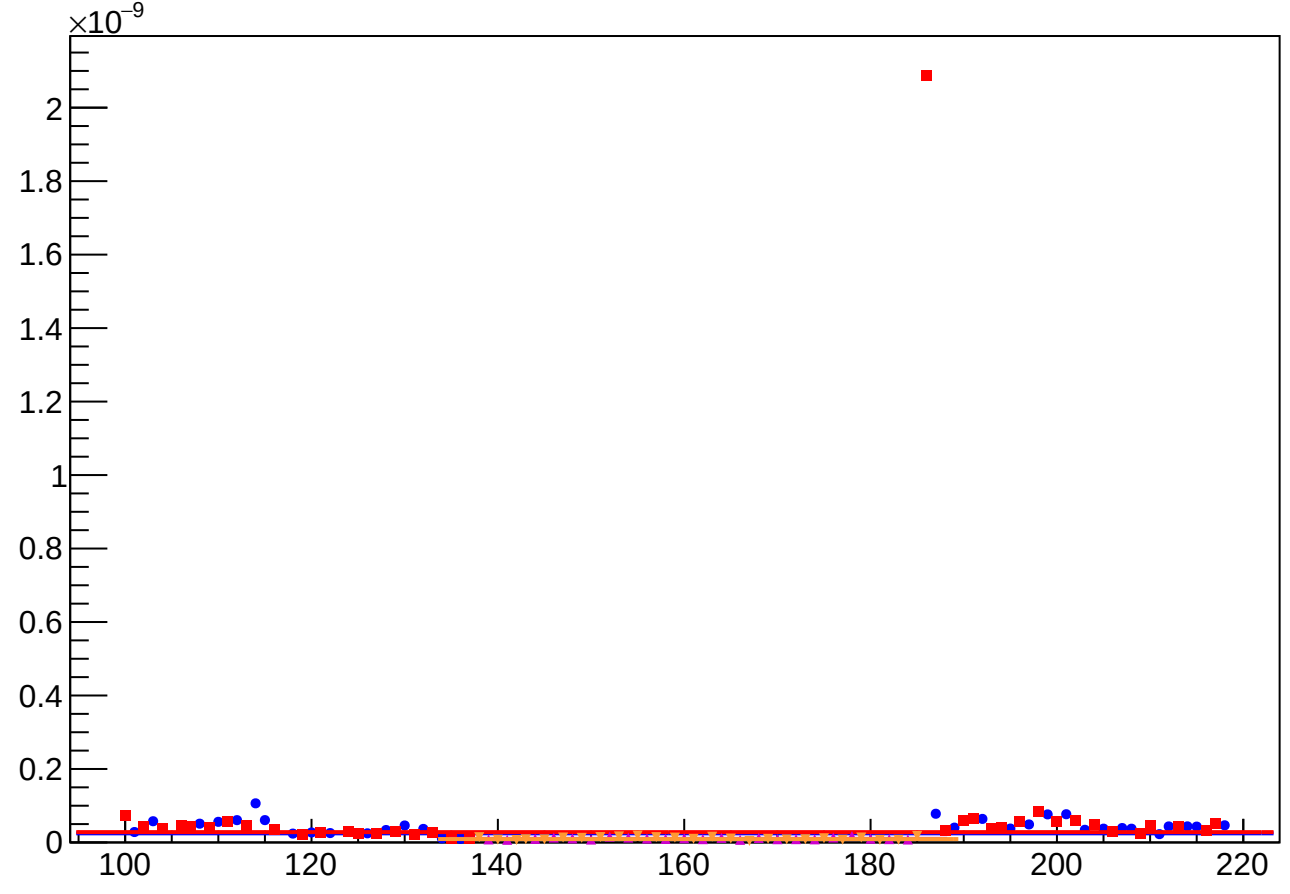
Right Out: 0.000+/-0.000 χ^2/NDF: 26.8/35

Left In: 0.000+/-0.000 χ^2/NDF:15.5/22

\+ sign -0.000+/-0.000 χ^2/NDF: 58.0/56

All: 0.000+/-0.000 χ^2/NDF: 105.4/115

\- sign 0.000+/-0.000 χ^2/NDF: 42.6/58



Right In: 0.000+/-0.000 χ^2/NDF: 6090481.0/31

Left Out: 0.000+/-0.000 χ^2/NDF:1832944.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4640110.2/35

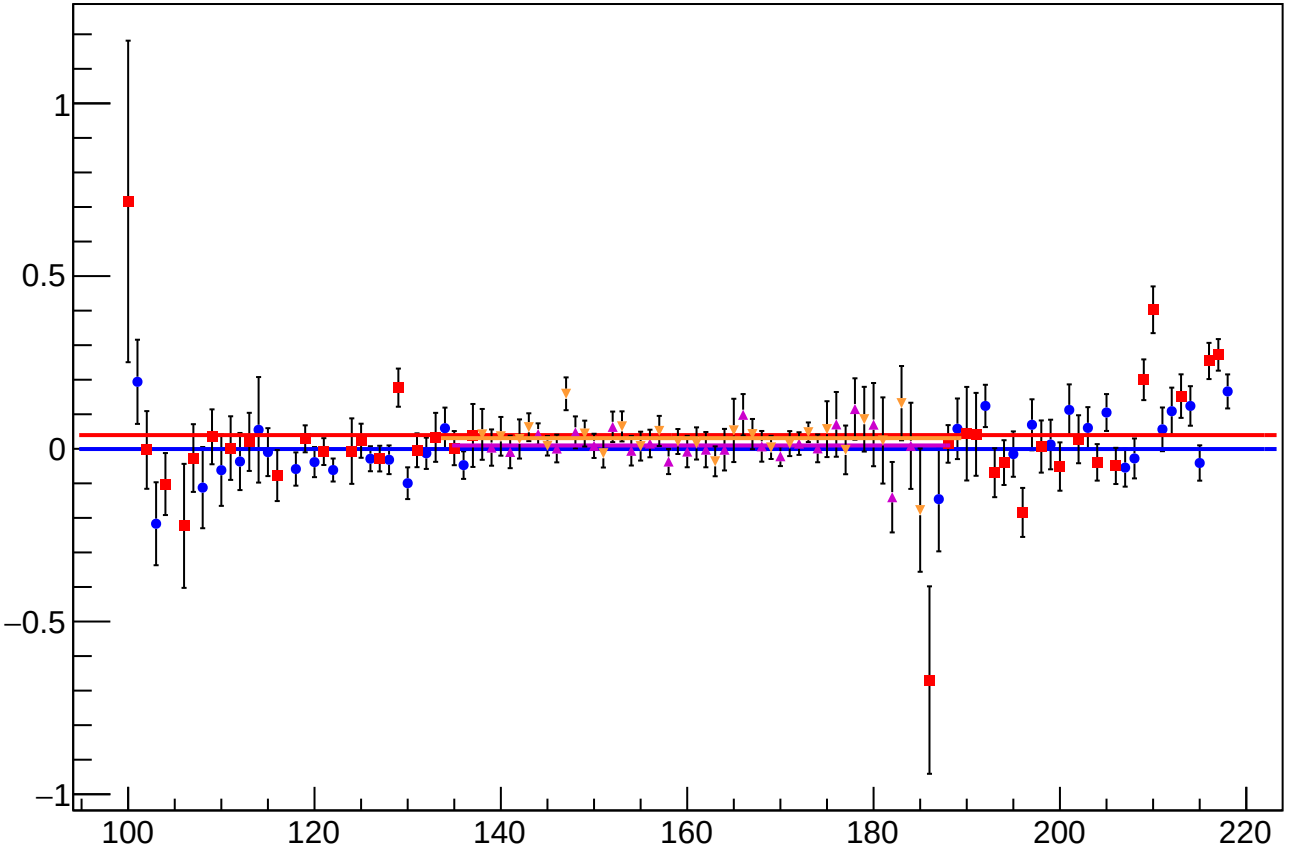
Left In: 0.000+/-0.000 χ^2/NDF:622904.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 12704804.8/56

All: 0.000+/-0.000 χ^2/NDF: 23606881.6/115

- sign 0.000+/-0.000 χ^2/NDF: 10848461.4/58

asym_sam_26_48_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.001+/-0.010 χ^2/NDF: 56.4/31

Left Out: 0.031+/-0.009 χ^2/NDF:17.8/24

Right Out: 0.040+/-0.011 χ^2/NDF: 132.8/35

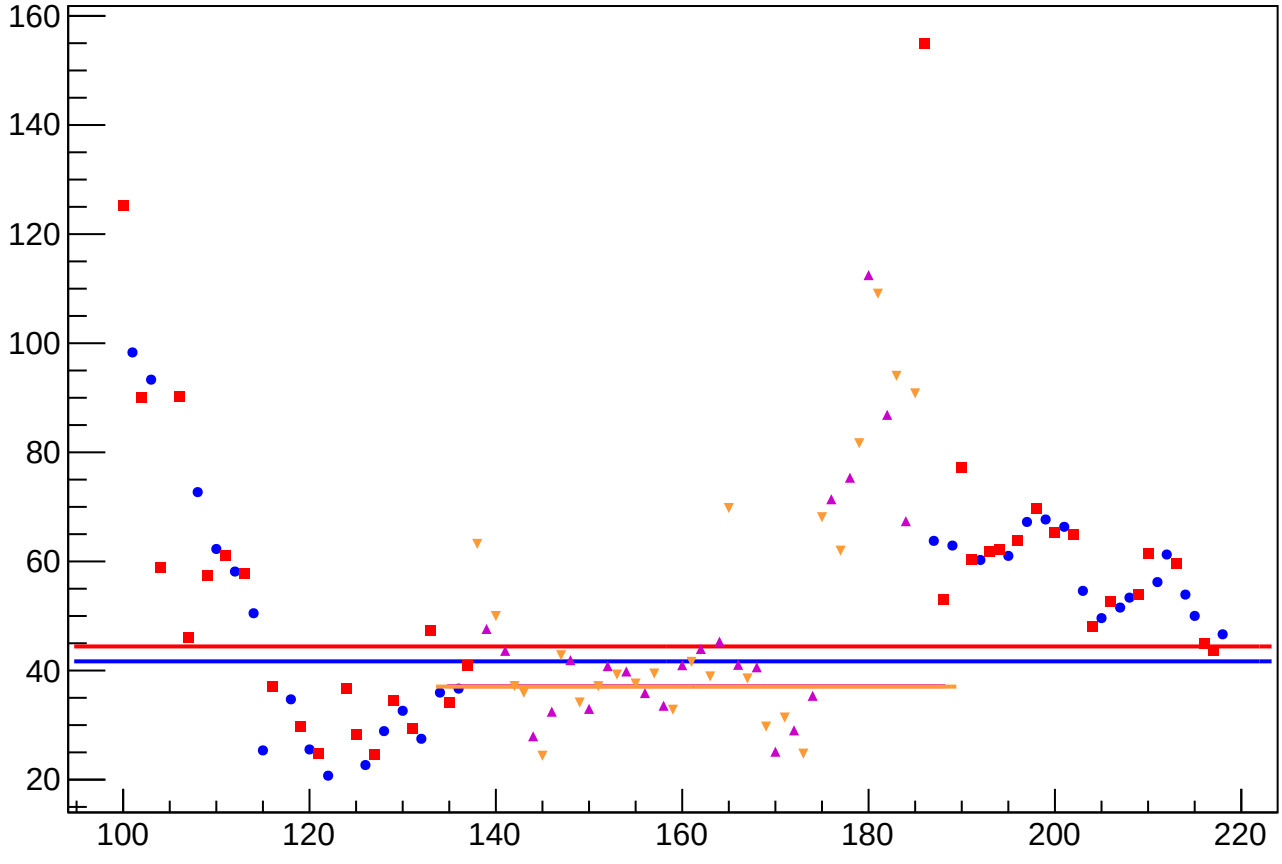
Left In: 0.010+/-0.009 χ^2/NDF:13.2/22

+ sign 0.017+/-0.007 χ^2/NDF: 79.5/56

All: 0.020+/-0.005 χ^2/NDF: 230.5/115

- sign 0.023+/-0.007 χ^2/NDF: 150.6/58

asym_sam_26_48_dd_dit_vs_cor_diff_rms vs Slug



Right In: 41.684+/-0.007 χ^2/NDF: 5349659.1/31

Left Out: 37.057+/-0.006 χ^2/NDF:4053719.8/24

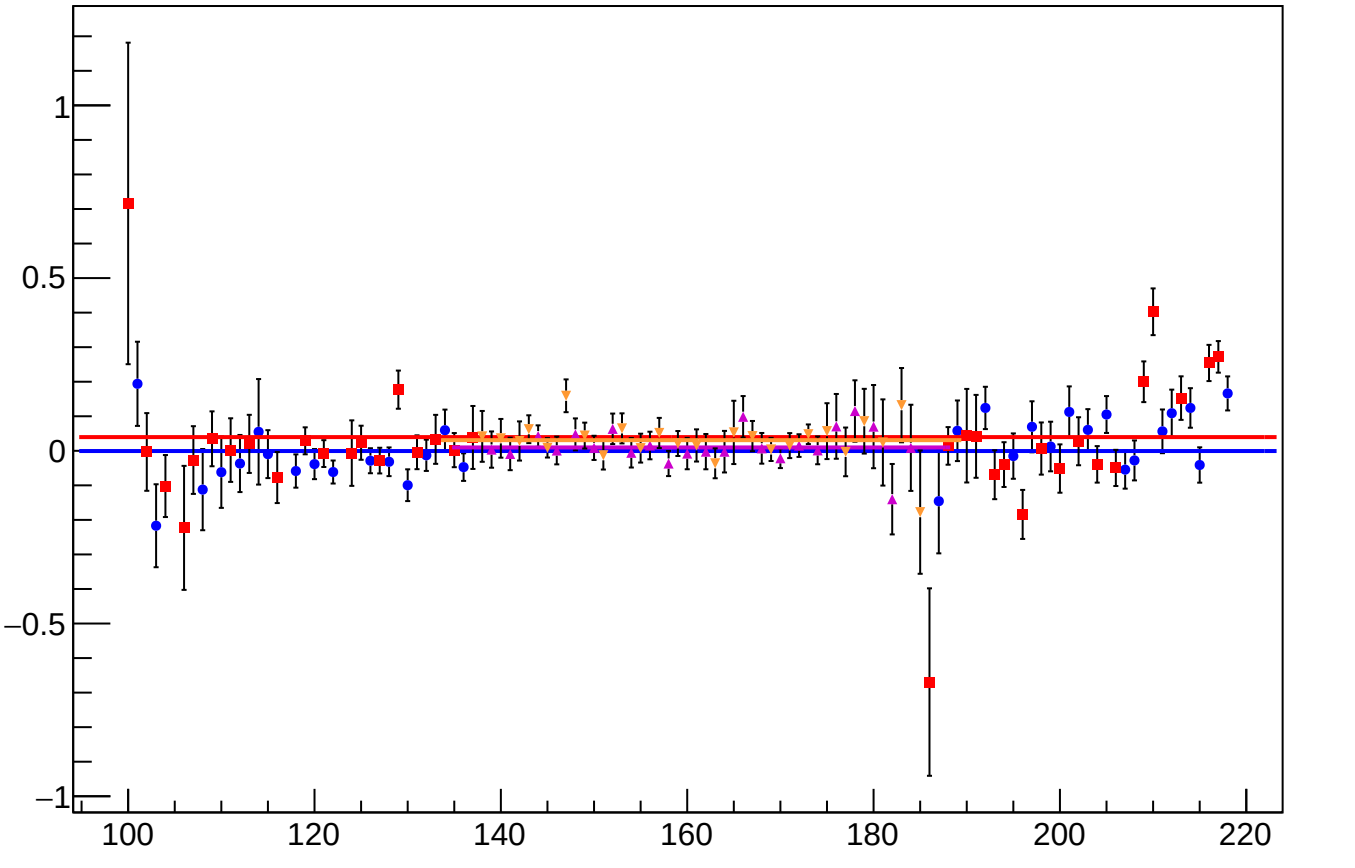
Right Out: 44.418+/-0.007 χ^2/NDF: 4587205.1/35

Left In: 37.127+/-0.007 χ^2/NDF:3012795.5/22

+ sign 39.140+/-0.005 χ^2/NDF: 9634713.7/56

All: 39.723+/-0.003 χ^2/NDF: 17799841.6/115

- sign 40.348+/-0.005 χ^2/NDF: 8134347.2/58



Right In: -0.001+/-0.010 χ^2/NDF: 56.4/31

Left Out: 0.031+/-0.009 χ^2/NDF:17.8/24

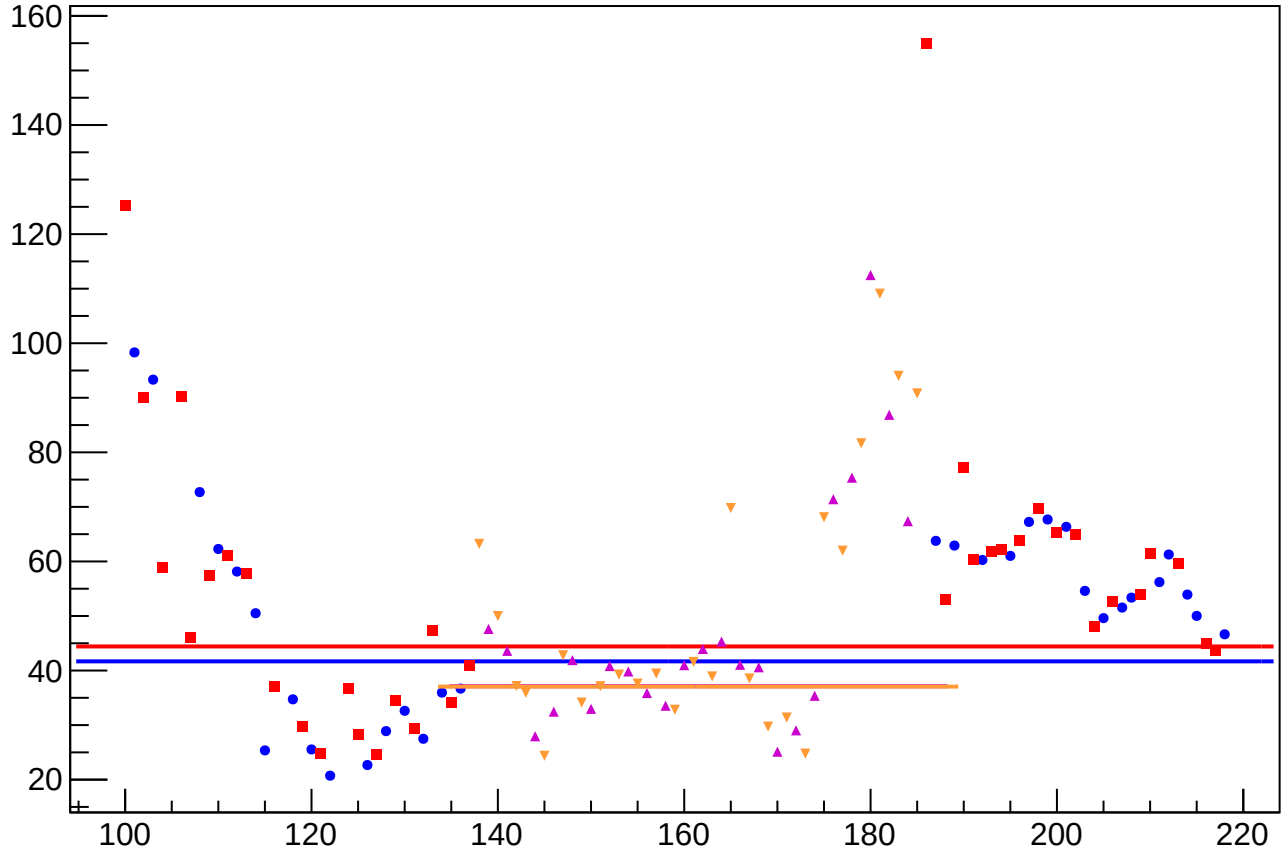
Right Out: 0.040+/-0.011 χ^2/NDF: 132.8/35

Left In: 0.010+/-0.009 χ^2/NDF:13.2/22

+ sign 0.017+/-0.007 χ^2/NDF: 79.5/56

All: 0.020+/-0.005 χ^2/NDF: 230.5/115

- sign 0.023+/-0.007 χ^2/NDF: 150.6/58



Right In: 41.684+/-0.007 χ^2/NDF: 5349659.1/31

Left Out: 37.057+/-0.006 χ^2/NDF:4053719.8/24

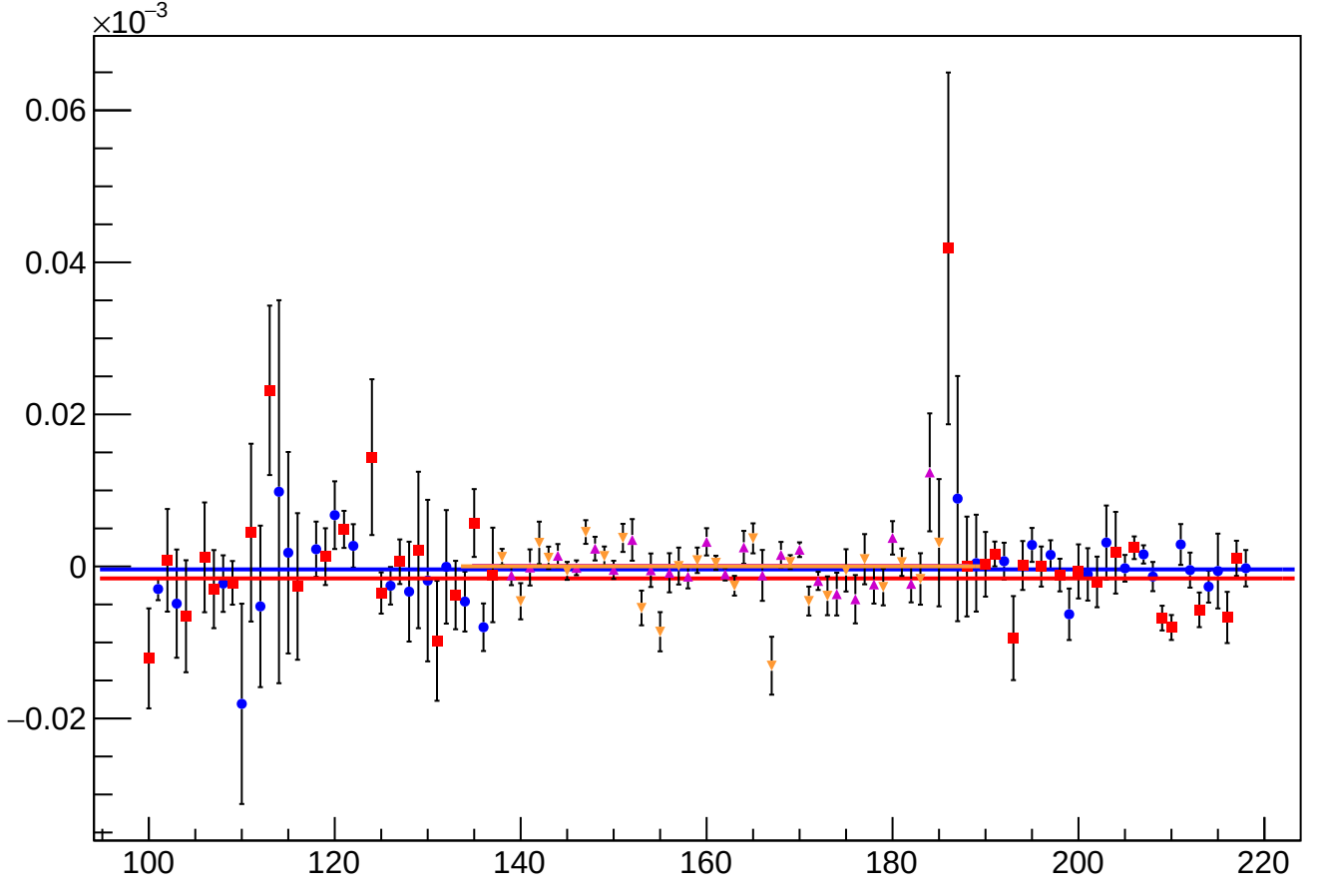
Right Out: 44.418+/-0.007 χ^2/NDF: 4587205.1/35

Left In: 37.127+/-0.007 χ^2/NDF:3012795.5/22

+ sign 39.140+/-0.005 χ^2/NDF: 9634713.7/56

All: 39.723+/-0.003 χ^2/NDF: 17799841.6/115

- sign 40.348+/-0.005 χ^2/NDF: 8134347.2/58



Right In: -0.000+/-0.000 χ^2/NDF: 31.1/31

Left Out: 0.000+/-0.000 χ^2/NDF:67.6/24

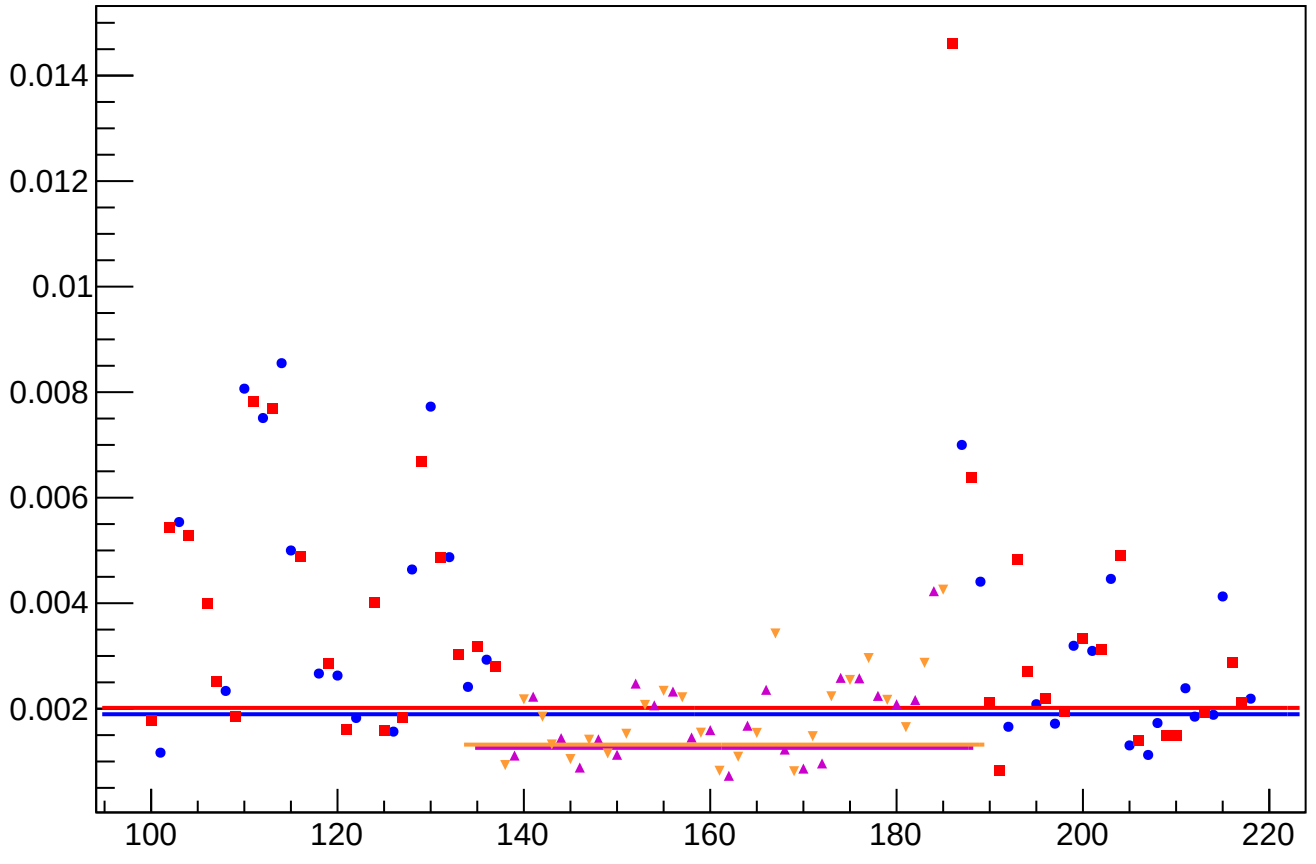
Right Out: -0.000+/-0.000 χ^2/NDF: 74.7/35

Left In: 0.000+/-0.000 χ^2/NDF:32.2/22

\+ sign -0.000+/-0.000 χ^2/NDF: 99.2/56

All: -0.000+/-0.000 χ^2/NDF: 214.0/115

\- sign -0.000+/-0.000 χ^2/NDF: 114.3/58



Right In: 0.002+/-0.000 χ^2/NDF: 7227619.2/31

Left Out: 0.001+/-0.000 χ^2/NDF:5632532.9/24

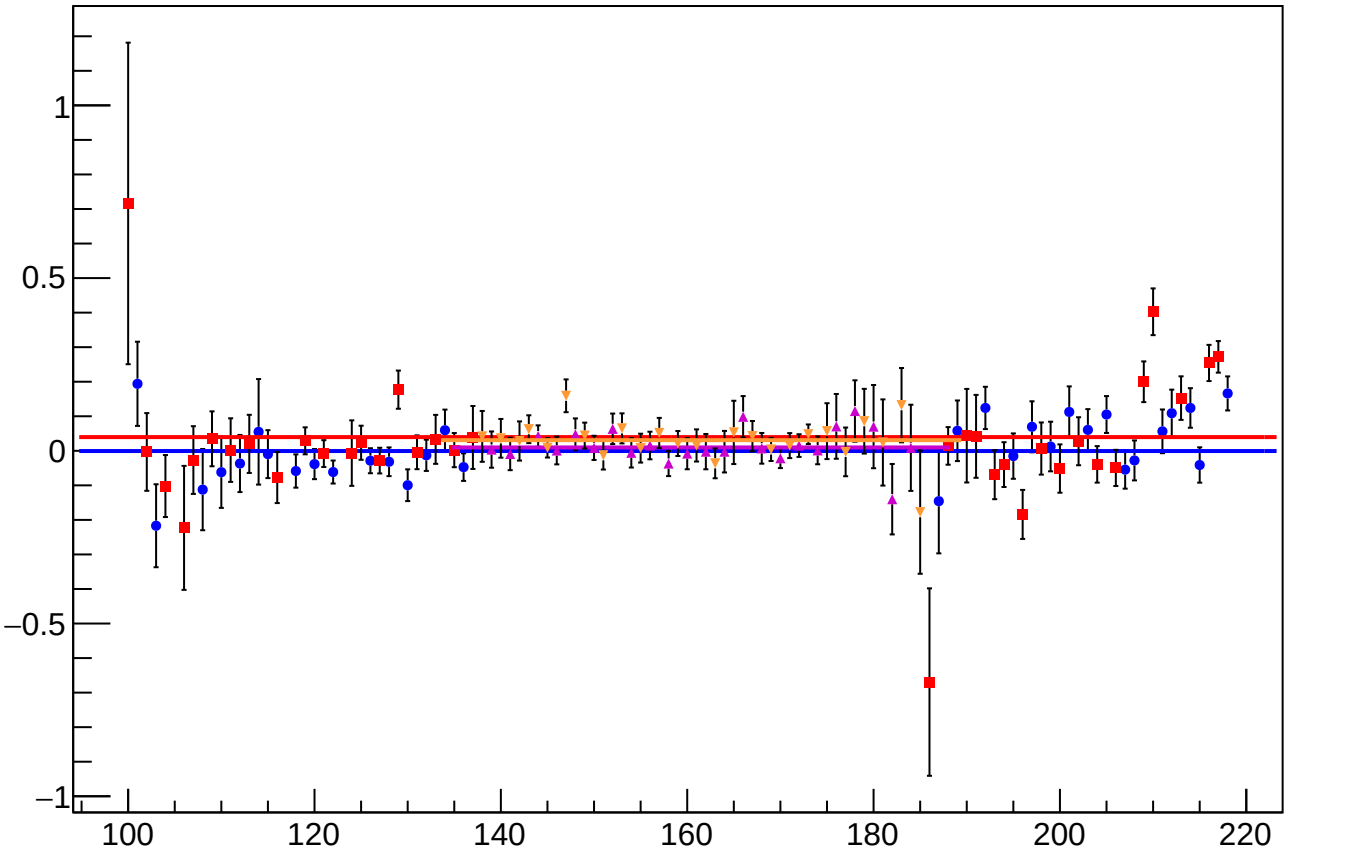
Right Out: 0.002+/-0.000 χ^2/NDF: 8644101.6/35

Left In: 0.001+/-0.000 χ^2/NDF:5369001.1/22

+ sign 0.002+/-0.000 χ^2/NDF: 14750064.9/56

All: 0.001+/-0.000 χ^2/NDF: 31828110.3/115

- sign 0.001+/-0.000 χ^2/NDF: 17070158.0/58



Right In: -0.001+/-0.010 χ^2/NDF: 56.4/31

Left Out: 0.031+/-0.009 χ^2/NDF:17.8/24

Right Out: 0.040+/-0.011 χ^2/NDF: 132.8/35

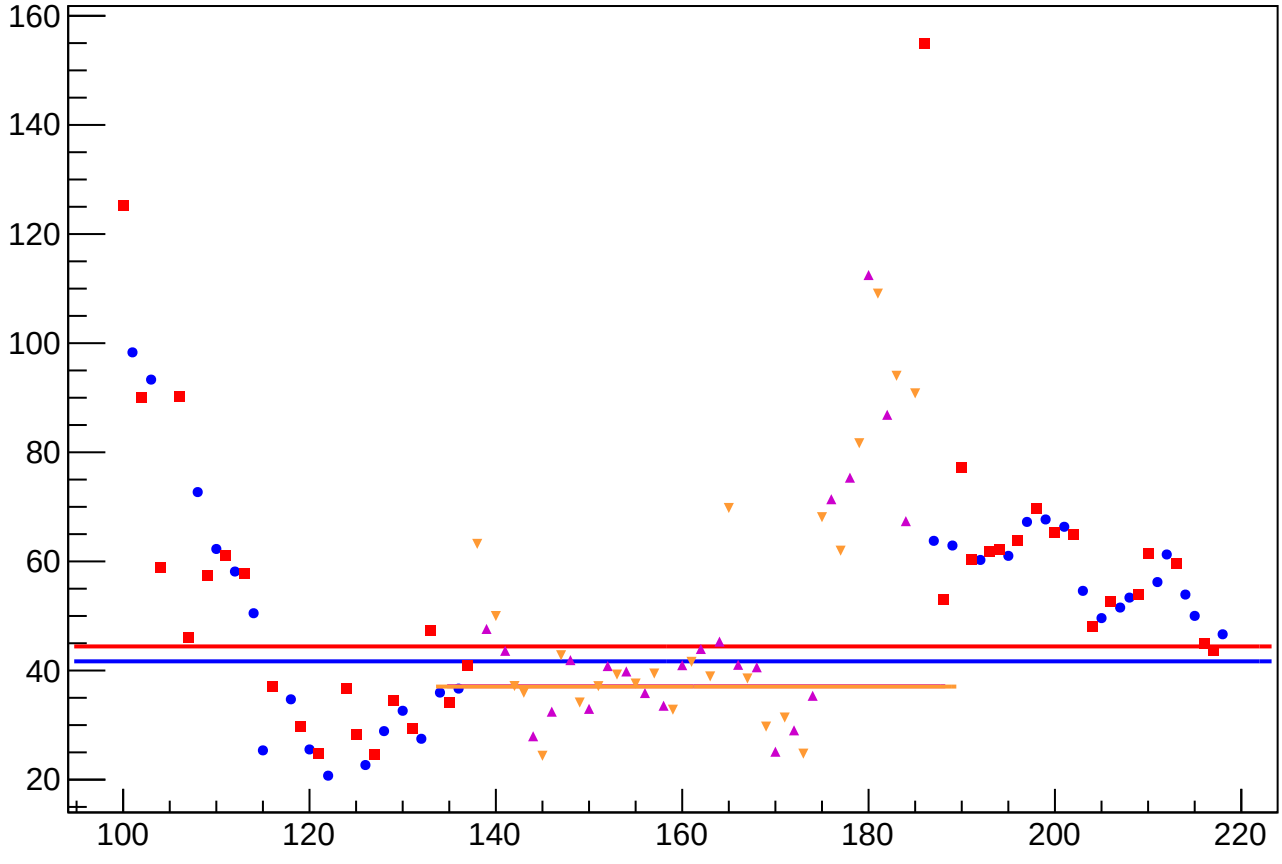
Left In: 0.010+/-0.009 χ^2/NDF:13.2/22

+ sign 0.017+/-0.007 χ^2/NDF: 79.5/56

All: 0.020+/-0.005 χ^2/NDF: 230.5/115

- sign 0.023+/-0.007 χ^2/NDF: 150.6/58

asym_sam_26_48_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 41.684+/-0.007 χ^2/NDF: 5349526.7/31

Left Out: 37.057+/-0.006 χ^2/NDF:4053728.9/24

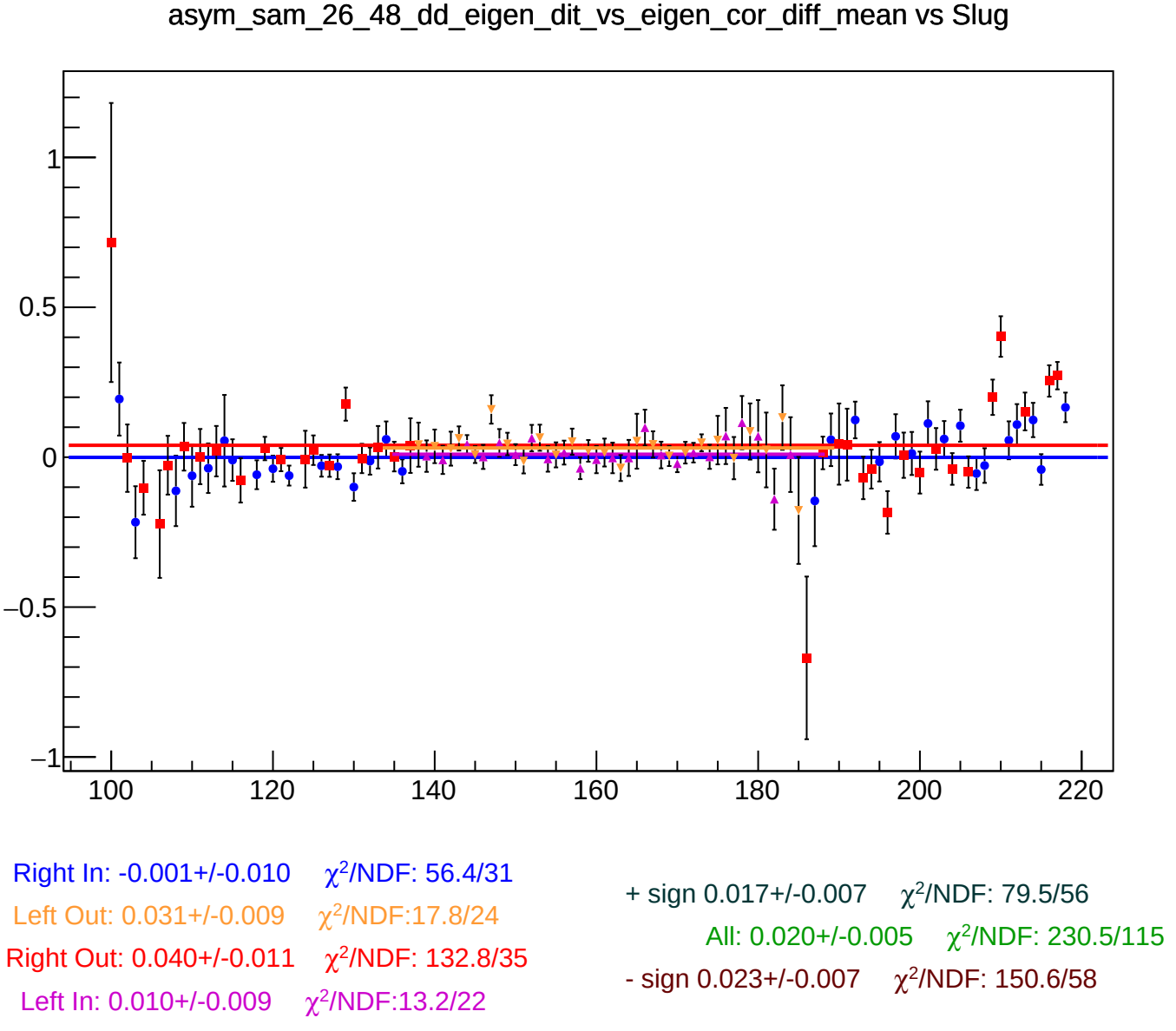
Right Out: 44.418+/-0.007 χ^2/NDF: 4586986.4/35

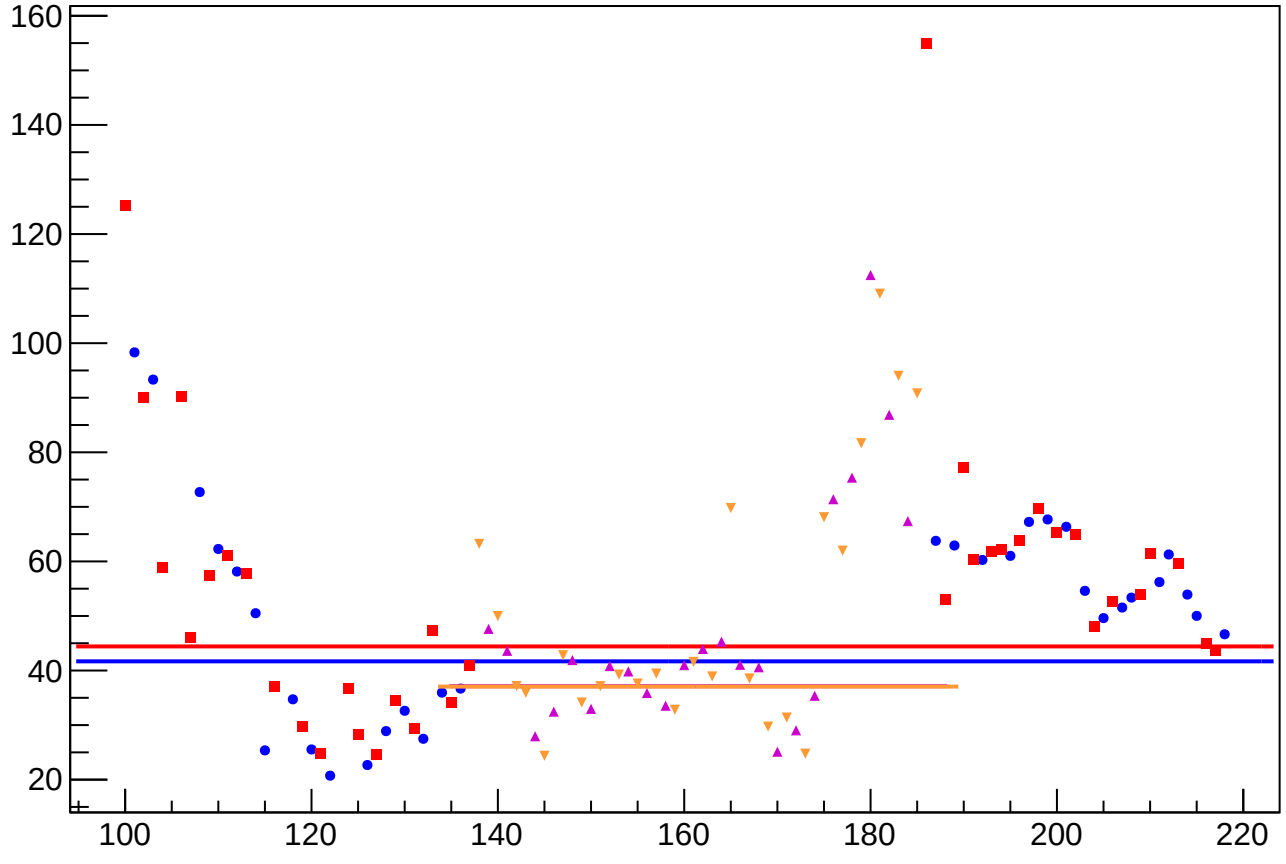
Left In: 37.127+/-0.007 χ^2/NDF:3012767.1/22

+ sign 39.140+/-0.005 χ^2/NDF: 9634623.3/56

All: 39.723+/-0.003 χ^2/NDF: 17799559.7/115

- sign 40.348+/-0.005 χ^2/NDF: 8134156.1/58


asym_sam_26_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug
1
0.5
0
−0.5
−1
100
120
140
160
180
200
220
Right In: -0.001+/-0.010 χ²/NDF: 56.4/31
Left Out: 0.031+/-0.009 χ²/NDF:17.8/24
Right Out: 0.040+/-0.011 χ²/NDF: 132.8/35
Left In: 0.010+/-0.009 χ²/NDF:13.2/22
+ sign 0.017+/-0.007 χ²/NDF: 79.5/56
All: 0.020+/-0.005 χ²/NDF: 230.5/115
- sign 0.023+/-0.007 χ²/NDF: 150.6/58



Right In: 41.684+/-0.007 χ^2/NDF: 5349526.7/31

Left Out: 37.057+/-0.006 χ^2/NDF:4053728.9/24

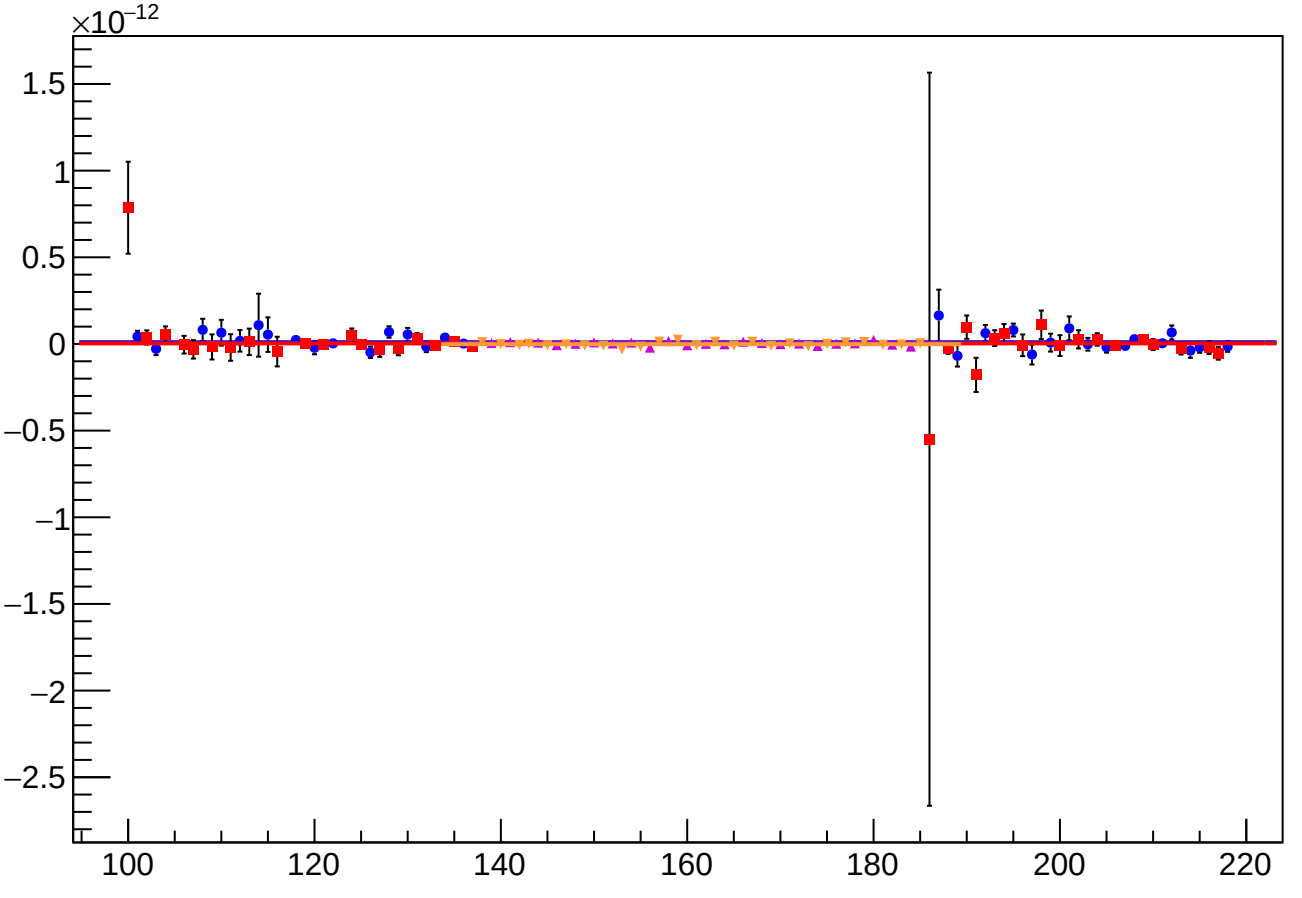
Right Out: 44.418+/-0.007 χ^2/NDF: 4586986.4/35

Left In: 37.127+/-0.007 χ^2/NDF:3012767.1/22

+ sign 39.140+/-0.005 χ^2/NDF: 9634623.3/56

All: 39.723+/-0.003 χ^2/NDF: 17799559.7/115

- sign 40.348+/-0.005 χ^2/NDF: 8134156.1/58



Right In: 0.000+/-0.000 χ^2/NDF: 34.3/31

Left Out: -0.000+/-0.000 χ^2/NDF:26.0/24

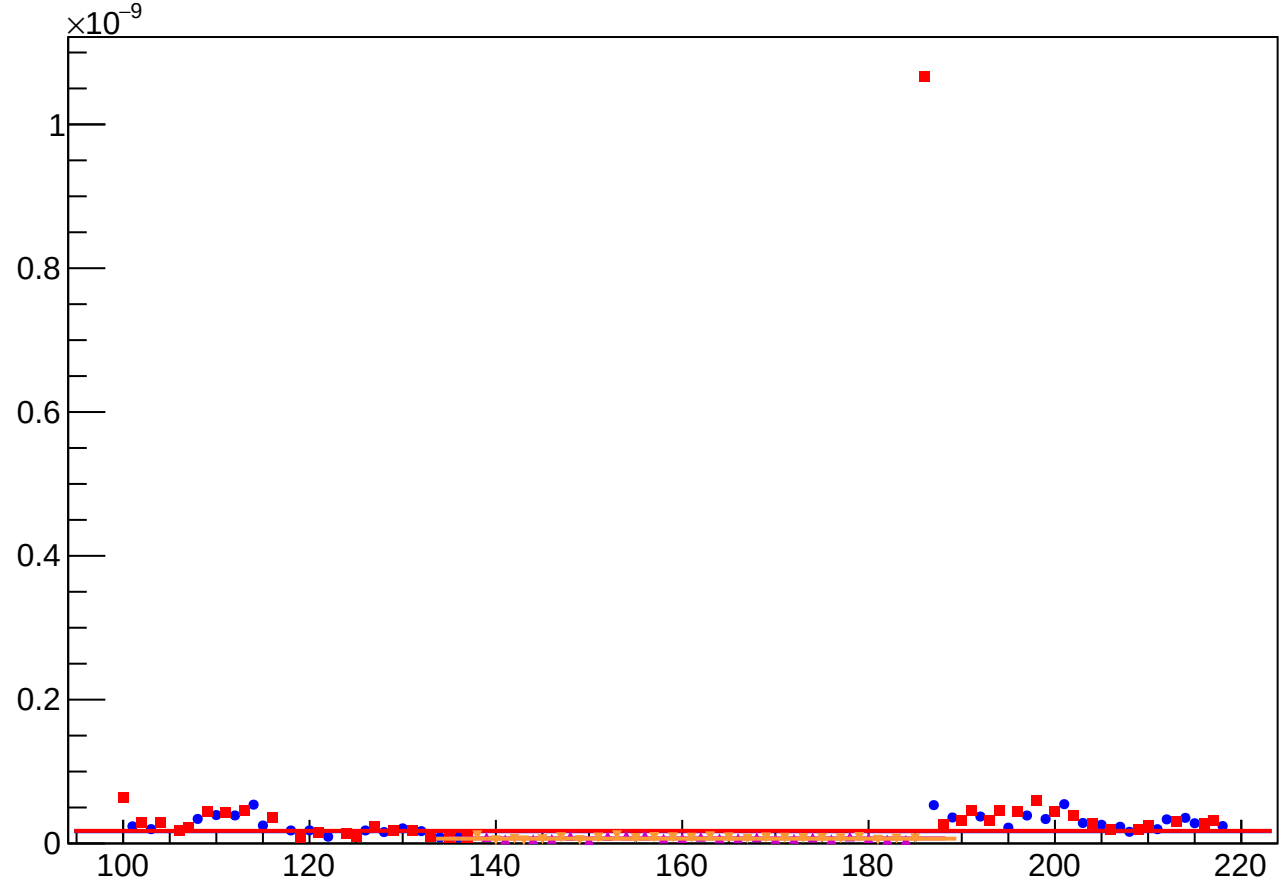
Right Out: 0.000+/-0.000 χ^2/NDF: 32.3/35

Left In: 0.000+/-0.000 χ^2/NDF:20.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 64.4/56

All: 0.000+/-0.000 χ^2/NDF: 118.8/115

- sign 0.000+/-0.000 χ^2/NDF: 52.9/58



Right In: 0.000+/-0.000 χ^2/NDF: 6503749.6/31

Left Out: 0.000+/-0.000 χ^2/NDF:1953818.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8116091.3/35

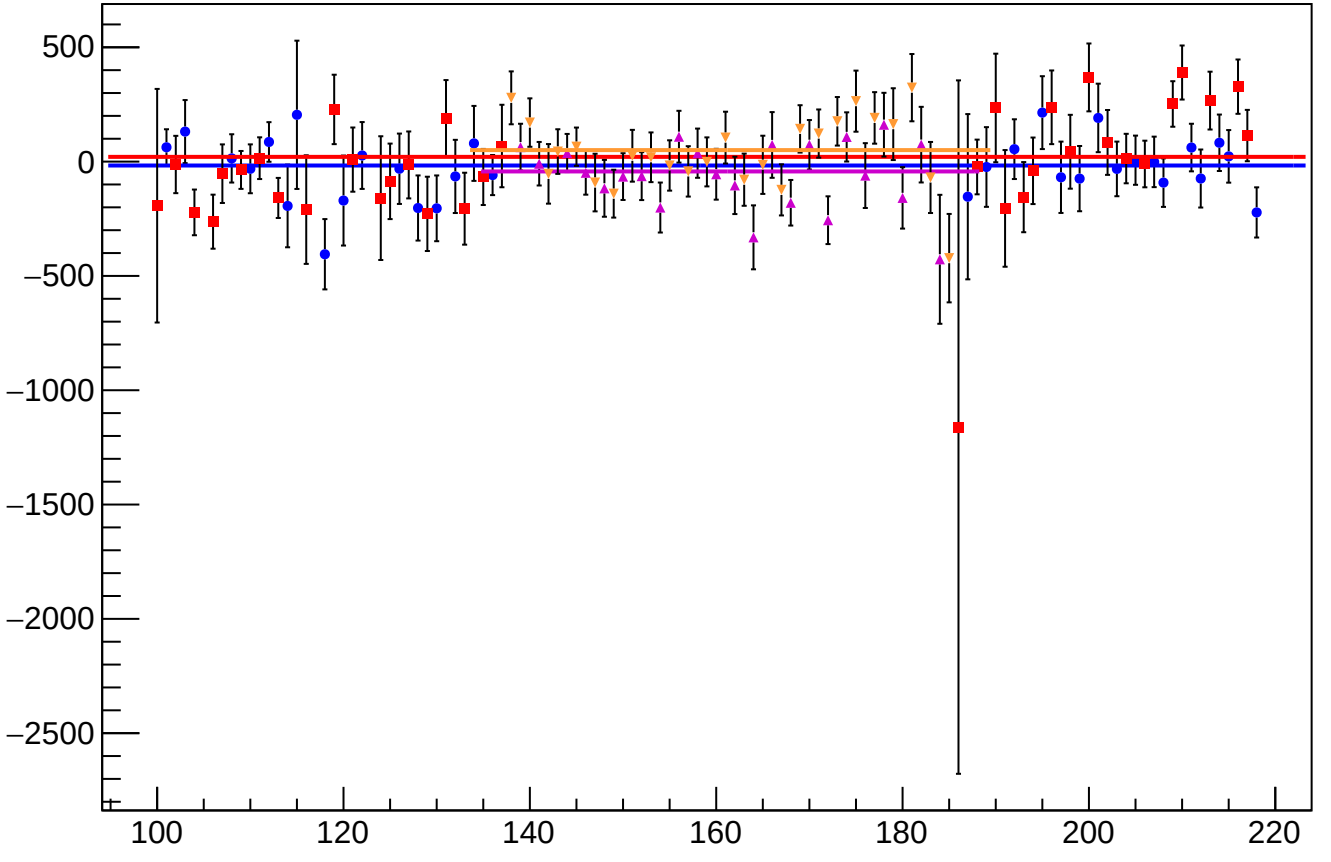
Left In: 0.000+/-0.000 χ^2/NDF:1431998.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 15315458.1/56

All: 0.000+/-0.000 χ^2/NDF: 31308689.7/115

- sign 0.000+/-0.000 χ^2/NDF: 15923988.9/58

reg_asym_sam_1548_avg_mean vs Slug



Right In: -17.059+/-22.337 χ^2/NDF: 26.6/31

Left Out: 50.314+/-22.958 χ^2/NDF:33.5/24

Right Out: 20.745+/-22.098 χ^2/NDF: 64.4/35

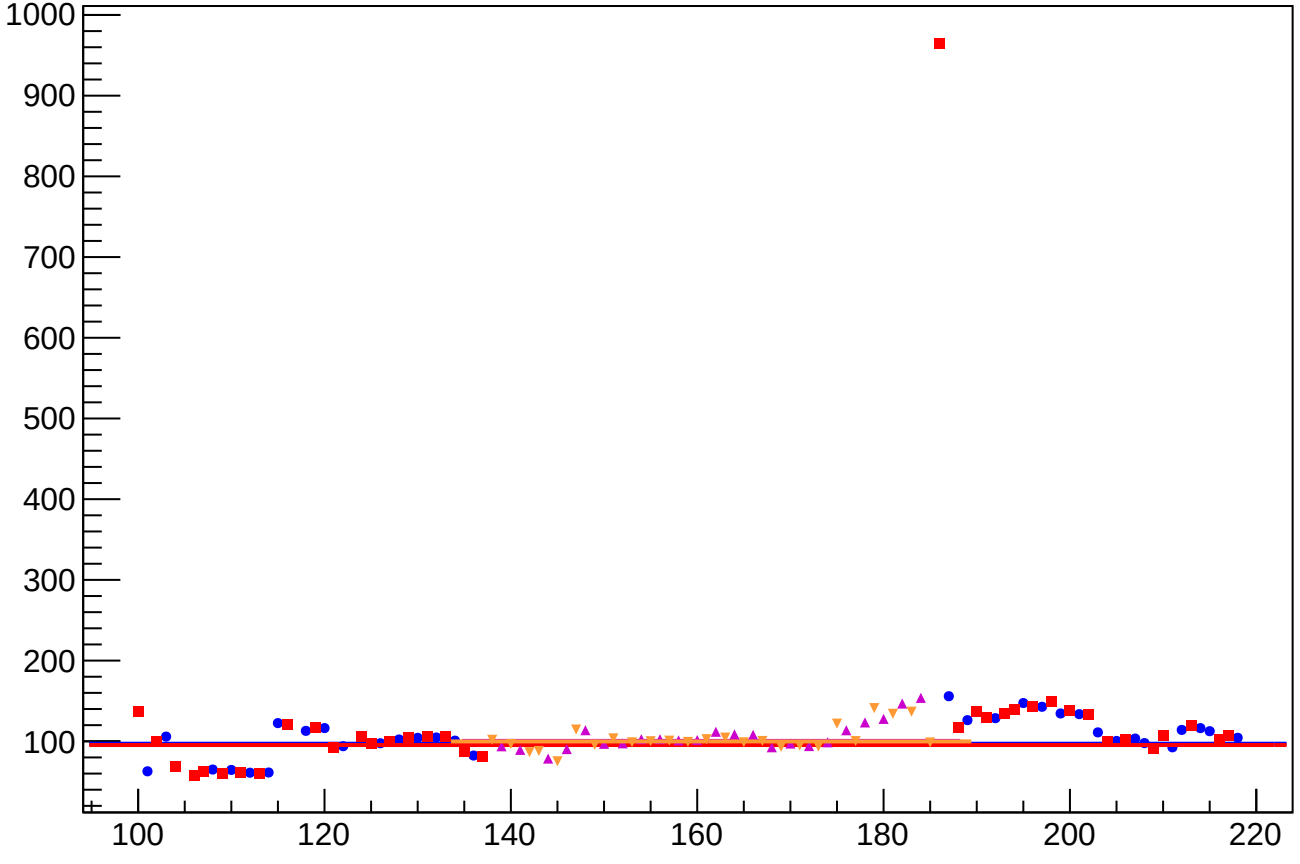
Left In: -43.026+/-23.758 χ^2/NDF:26.6/22

+ sign 15.704+/-16.009 χ^2/NDF: 64.5/56

All: 3.565+/-11.381 χ^2/NDF: 160.6/115

- sign -8.835+/-16.181 χ^2/NDF: 94.9/58

reg_asym_sam_1548_avg_rms vs Slug



Right In: 96.994+/-0.016 χ^2/NDF: 2326161.7/31

Left Out: 99.839+/-0.016 χ^2/NDF:697768.7/24

Right Out: 95.386+/-0.016 χ^2/NDF: 3568531.2/35

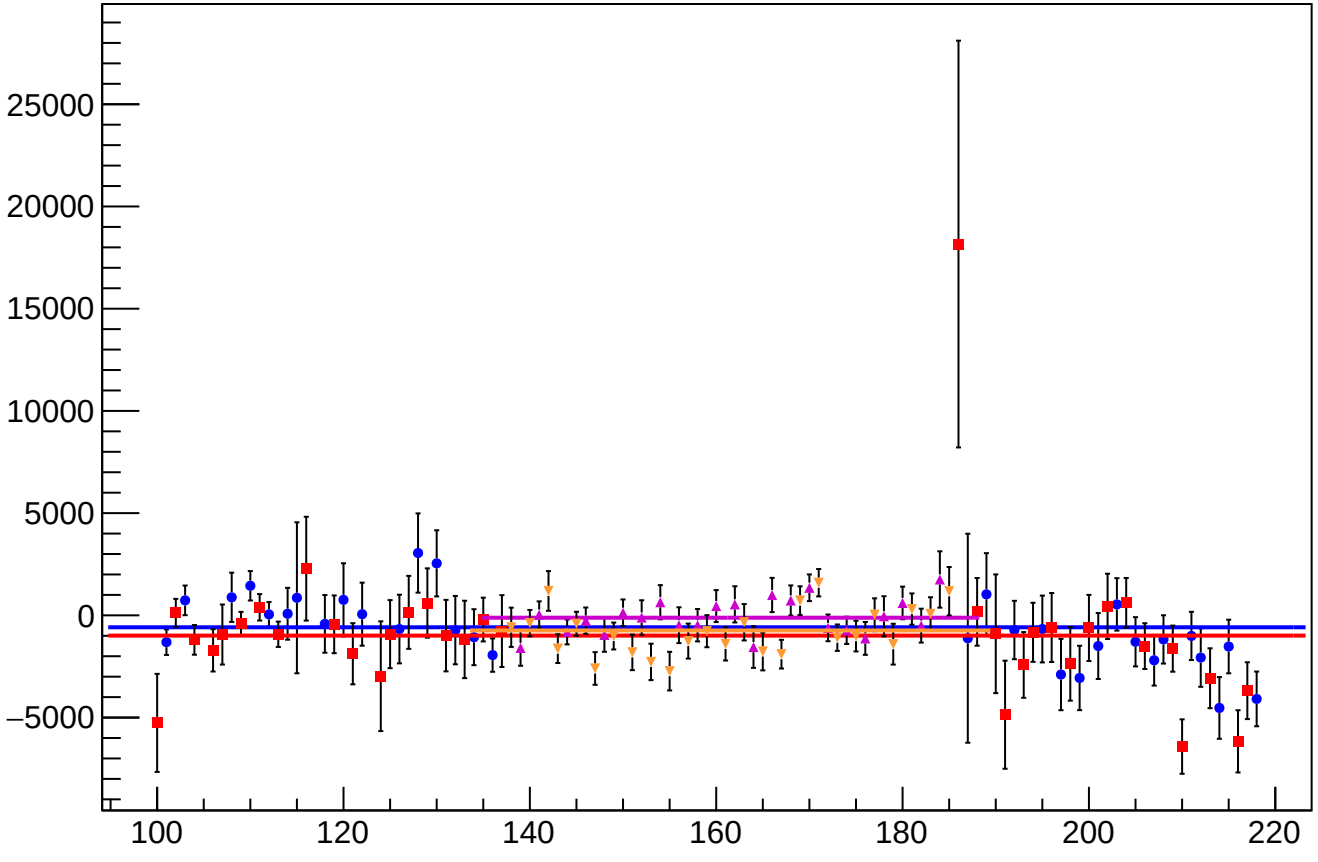
Left In: 100.498+/-0.017 χ^2/NDF:656850.1/22

+ sign 98.378+/-0.011 χ^2/NDF: 3039702.7/56

All: 98.071+/-0.008 χ^2/NDF: 7316202.0/115

- sign 97.757+/-0.011 χ^2/NDF: 4275014.5/58

asym_sam_1548_avg_reg_correction_mean vs Slug



Right In: -583.930+/-209.160 χ^2/NDF: 50.2/31

Left Out: -738.364+/-156.311 χ^2/NDF:49.7/24

Right Out: -990.184+/-200.957 χ^2/NDF: 61.4/35

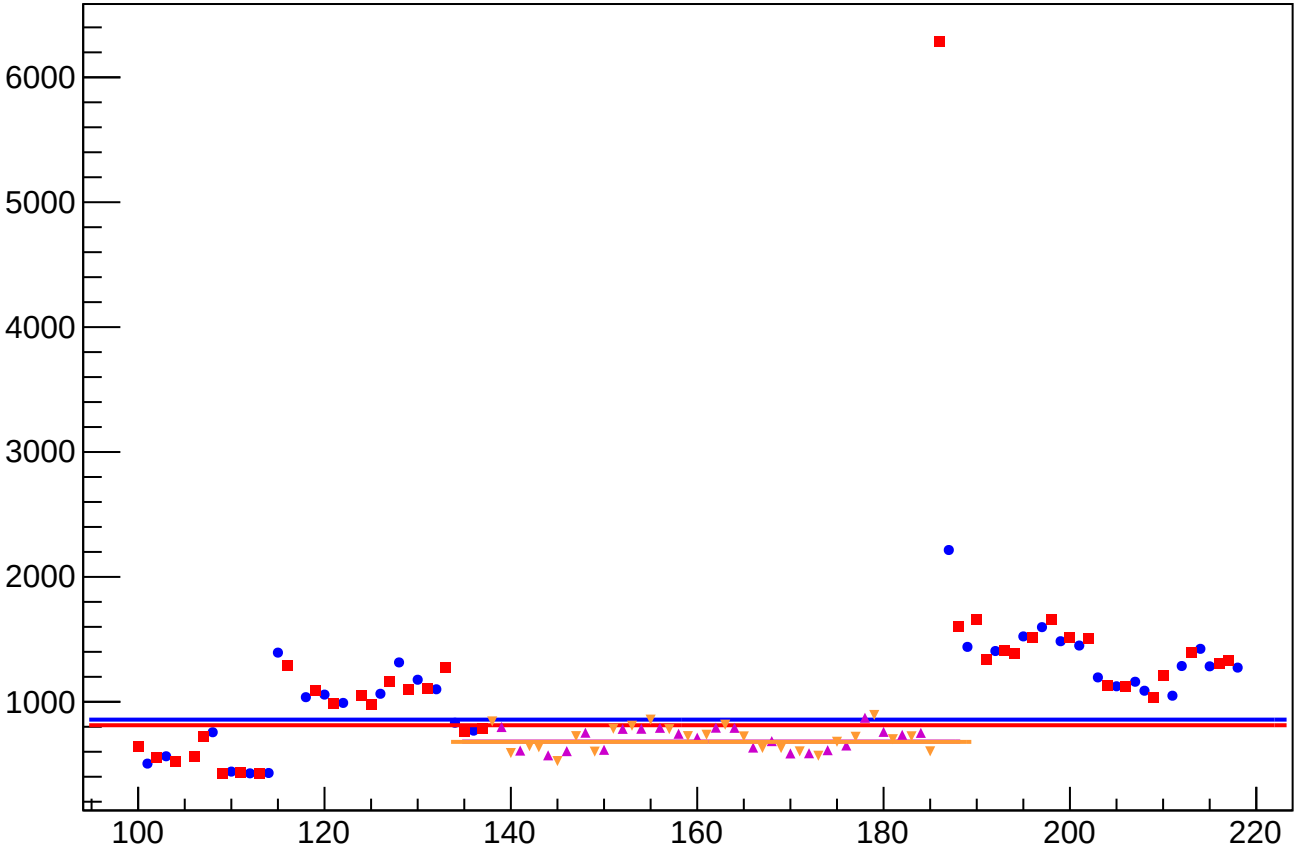
Left In: -115.639+/-160.990 χ^2/NDF:23.7/22

+ sign -683.022+/-125.209 χ^2/NDF: 100.2/56

All: -570.654+/-88.689 χ^2/NDF: 198.5/115

- sign -457.505+/-125.644 χ^2/NDF: 96.6/58

asym_sam_1548_avg_reg_correction_rms vs Slug



Right In: 857.372+/-0.148 χ^2/NDF: 6525062.4/31

Left Out: 679.146+/-0.111 χ^2/NDF:737419.7/24

Right Out: 812.365+/-0.142 χ^2/NDF: 8412879.3/35

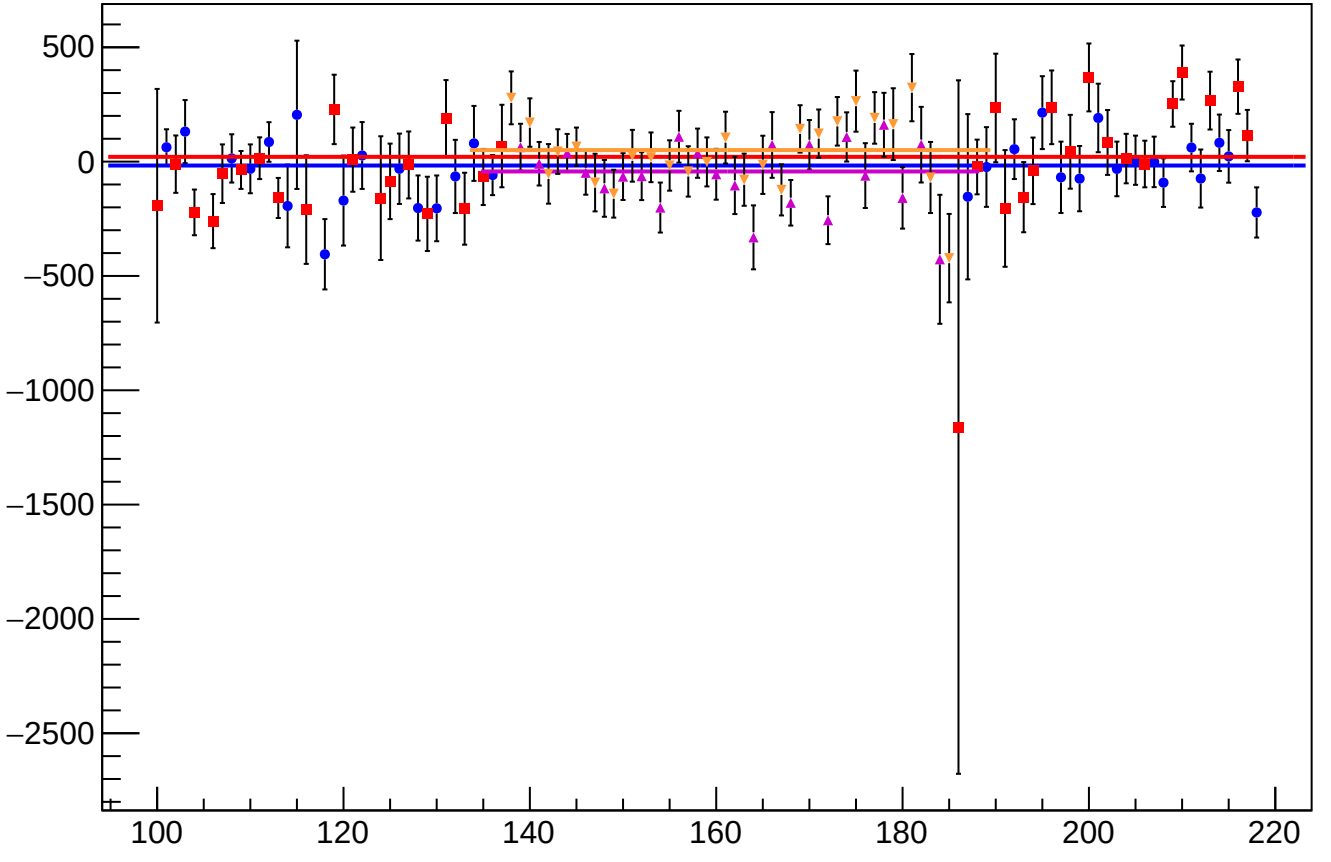
Left In: 681.893+/-0.114 χ^2/NDF:573812.4/22

+ sign 743.015+/-0.089 χ^2/NDF: 8194252.1/56

All: 737.973+/-0.063 χ^2/NDF: 17700951.6/11

- sign 732.896+/-0.089 χ^2/NDF: 9500190.5/58

cor_asym_sam_1548_avg_mean vs Slug



Right In: -17.061+/-22.337 χ^2/NDF: 26.6/31

Left Out: 50.322+/-22.958 χ^2/NDF:33.4/24

Right Out: 20.891+/-22.099 χ^2/NDF: 64.3/35

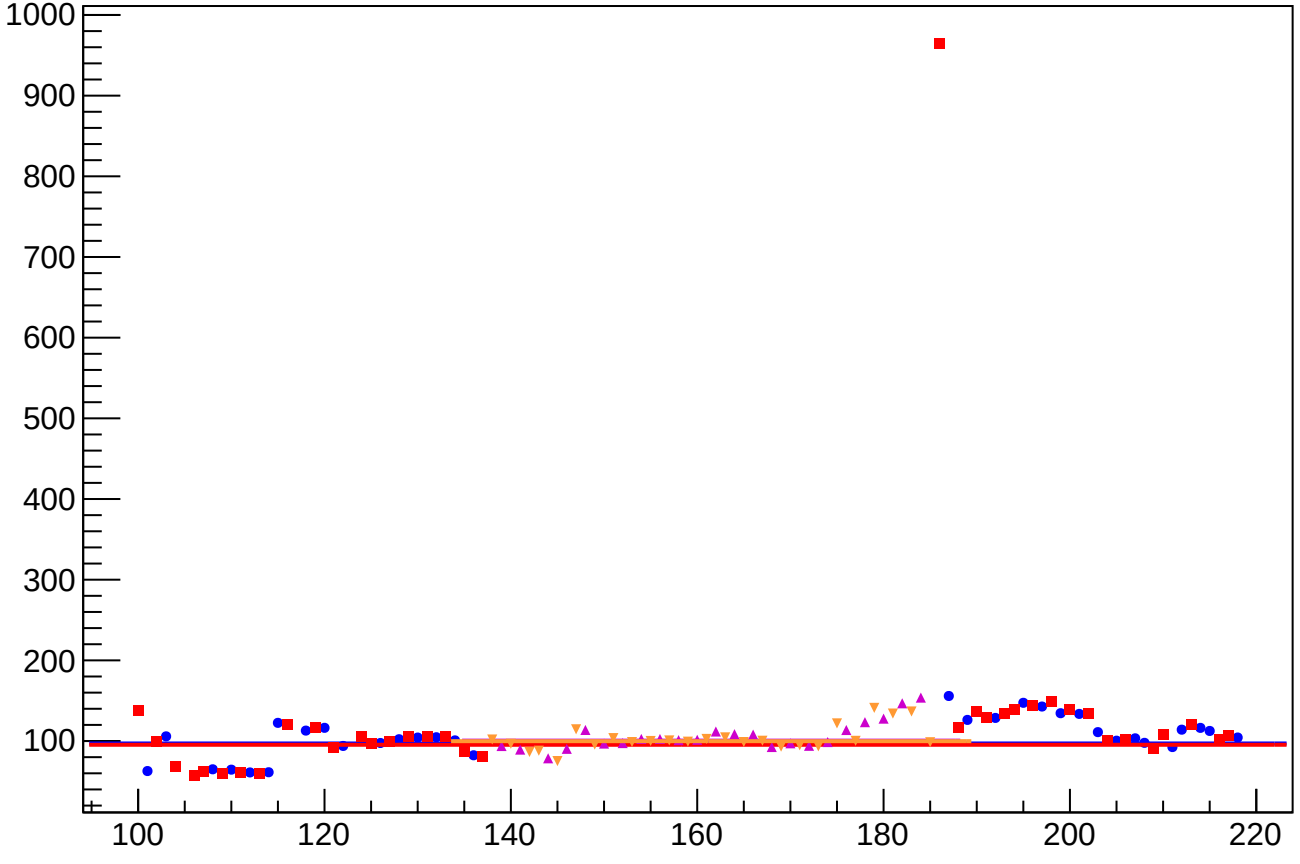
Left In: -43.026+/-23.758 χ^2/NDF:26.6/22

+ sign 15.707+/-16.009 χ^2/NDF: 64.5/56

All: 3.605+/-11.381 χ^2/NDF: 160.5/115

- sign -8.758+/-16.181 χ^2/NDF: 94.8/58

cor_asym_sam_1548_avg_rms vs Slug



Right In: 96.994+/-0.016 χ^2/NDF: 2326162.7/31

Left Out: 99.839+/-0.016 χ^2/NDF:697768.8/24

Right Out: 95.377+/-0.016 χ^2/NDF: 3572012.0/35

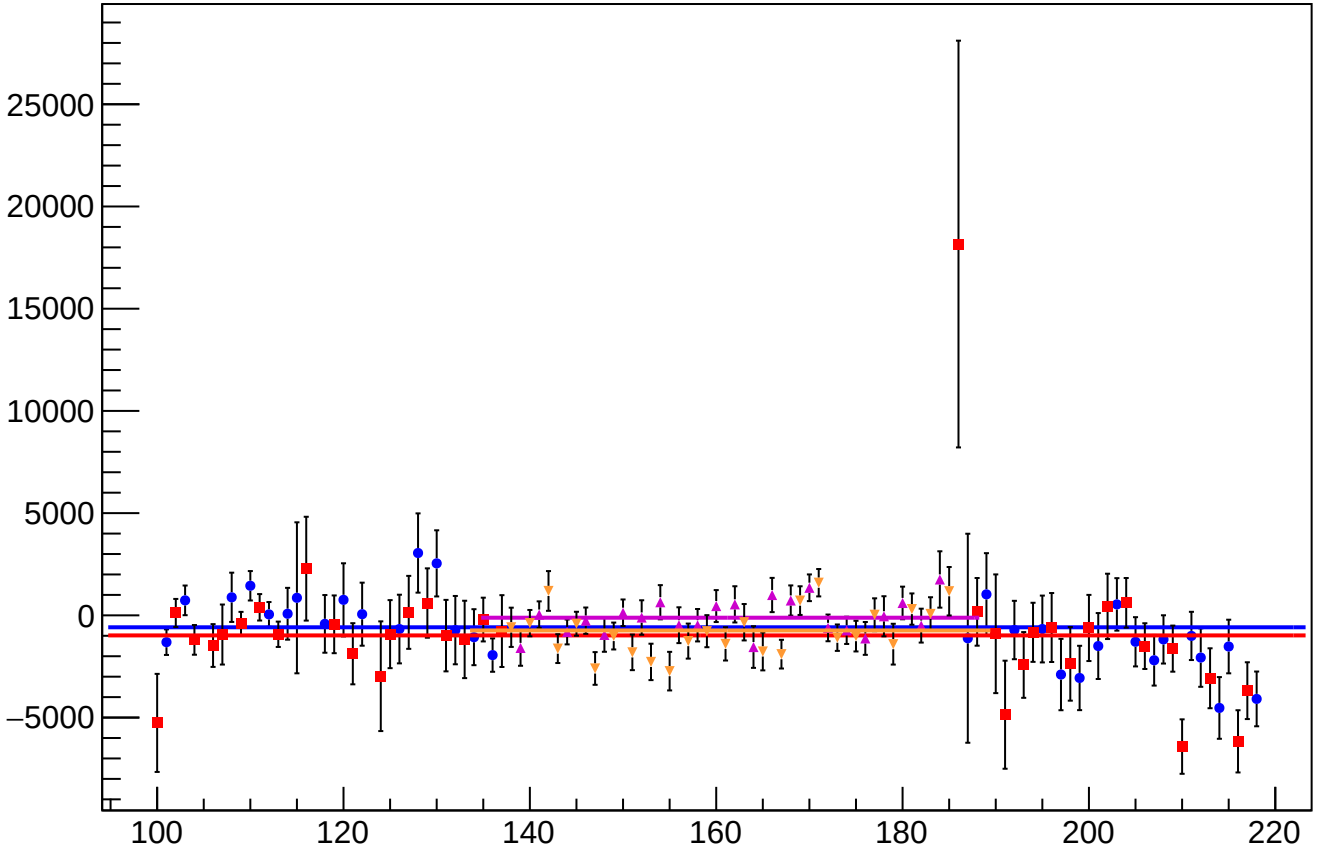
Left In: 100.498+/-0.017 χ^2/NDF:656850.1/22

+ sign 98.378+/-0.011 χ^2/NDF: 3039703.6/56

All: 98.069+/-0.008 χ^2/NDF: 7319880.2/115

- sign 97.753+/-0.011 χ^2/NDF: 4278668.9/58

asym_sam_1548_avg_cor_correction_mean vs Slug



Right In: -583.955+/-209.162 χ^2/NDF: 50.2/31

Left Out: -738.352+/-156.311 χ^2/NDF:49.7/24

Right Out: -981.374+/-201.046 χ^2/NDF: 61.1/35

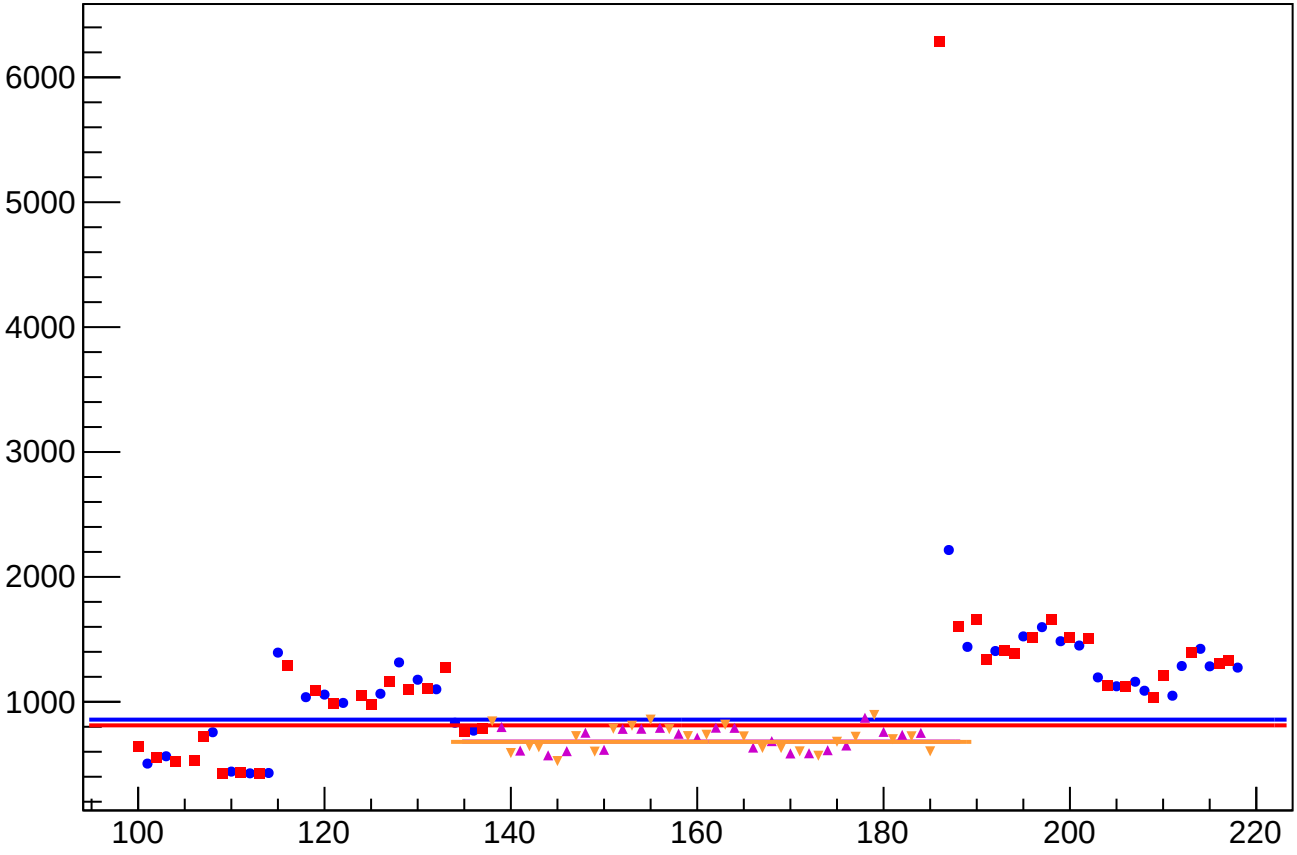
Left In: -115.639+/-160.990 χ^2/NDF:23.7/22

+ sign -683.023+/-125.210 χ^2/NDF: 100.2/56

All: -568.868+/-88.697 χ^2/NDF: 198.0/115

- sign -453.880+/-125.665 χ^2/NDF: 96.1/58

asym_sam_1548_avg_cor_correction_rms vs Slug



Right In: 857.382+/-0.148 χ^2/NDF: 6524871.3/31

Left Out: 679.146+/-0.111 χ^2/NDF:737418.6/24

Right Out: 811.359+/-0.142 χ^2/NDF: 8442651.9/35

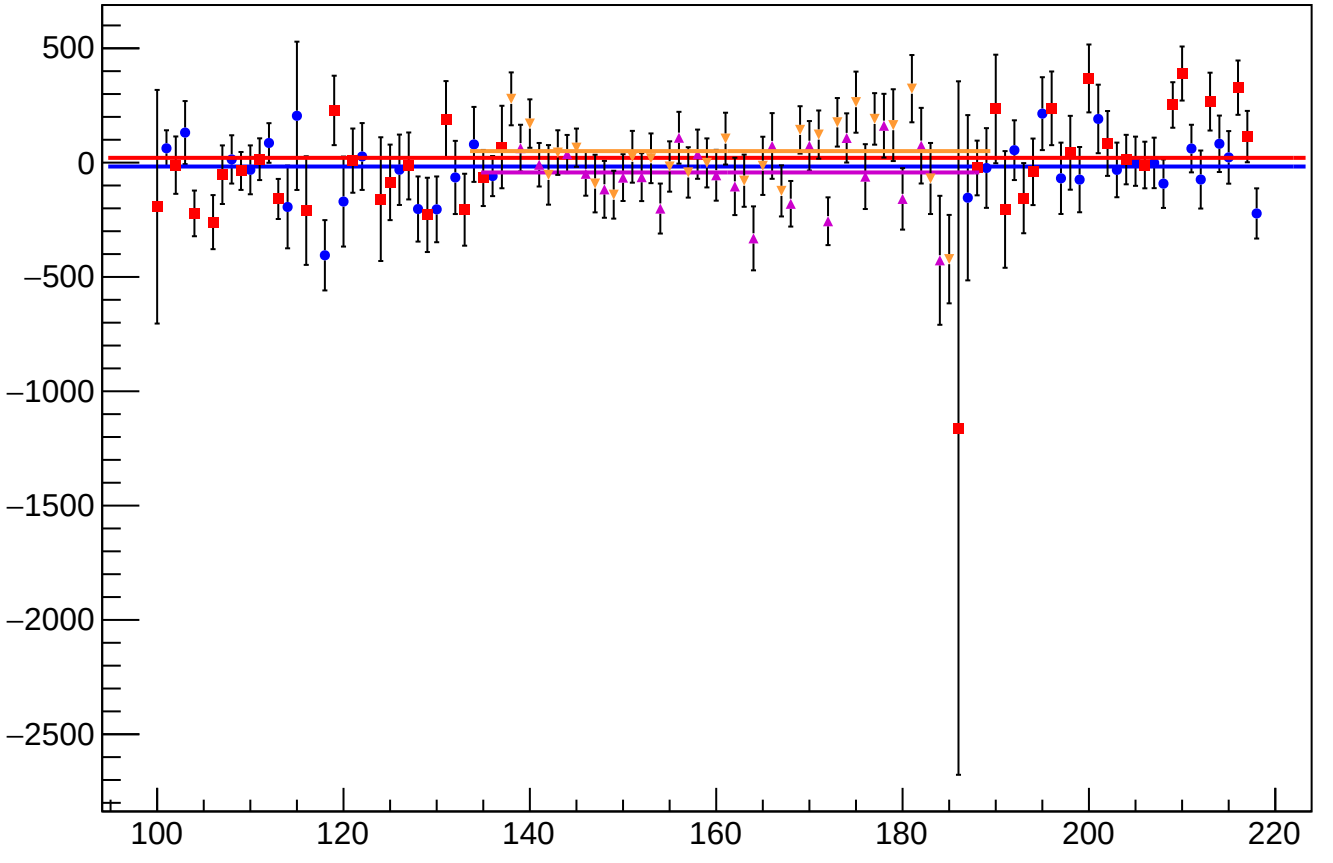
Left In: 681.893+/-0.114 χ^2/NDF:573813.6/22

+ sign 743.018+/-0.089 χ^2/NDF: 8194149.4/56

All: 737.765+/-0.063 χ^2/NDF: 17723015.1/11

- sign 732.475+/-0.089 χ^2/NDF: 9521802.1/58

eigen_cor_asym_sam_1548_avg_mean vs Slug



Right In: -17.061+/-22.337 χ^2/NDF: 26.6/31

Left Out: 50.322+/-22.958 χ^2/NDF:33.4/24

Right Out: 20.891+/-22.099 χ^2/NDF: 64.3/35

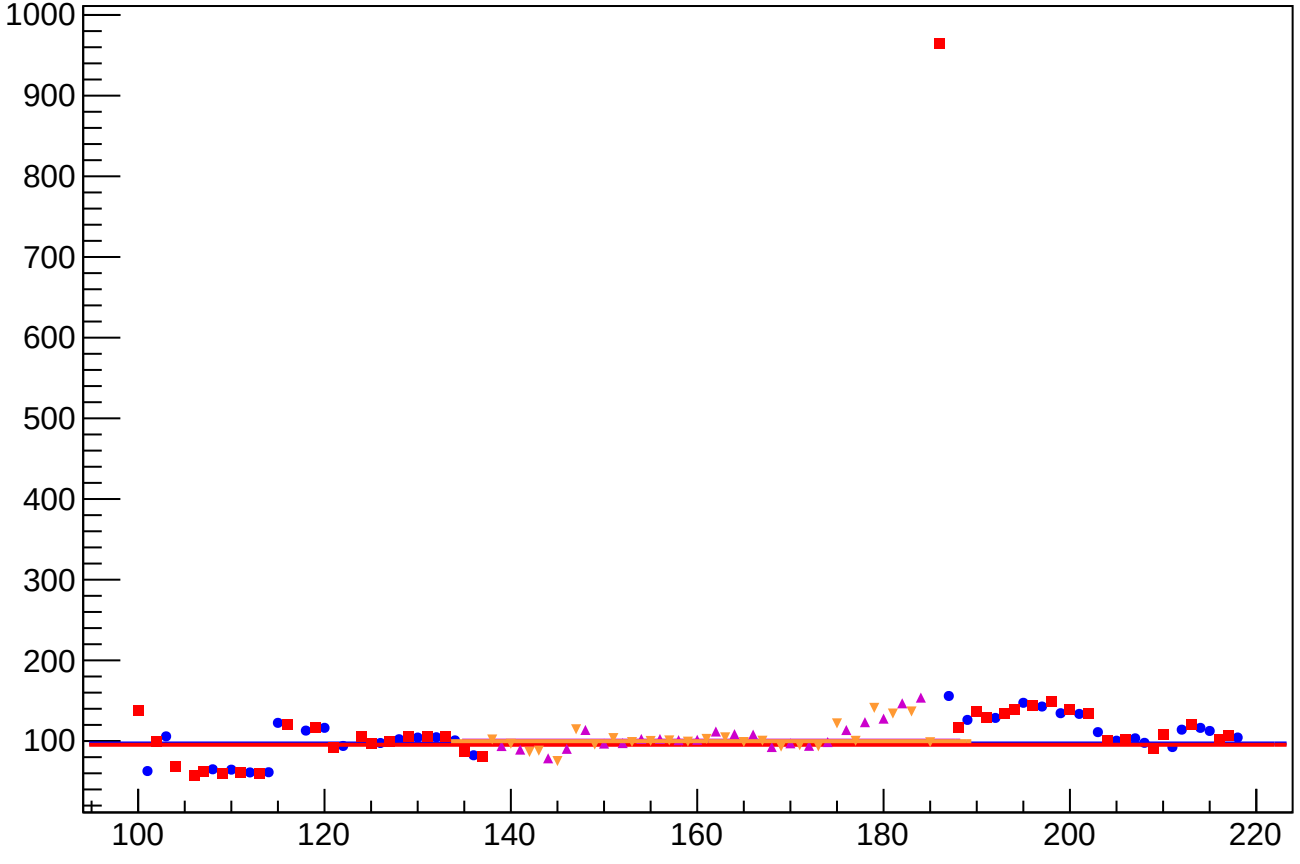
Left In: -43.026+/-23.758 χ^2/NDF:26.6/22

+ sign 15.707+/-16.009 χ^2/NDF: 64.5/56

All: 3.605+/-11.381 χ^2/NDF: 160.5/115

- sign -8.758+/-16.181 χ^2/NDF: 94.8/58

eigen_cor_asym_sam_1548_avg_rms vs Slug



Right In: 96.994+/-0.016 χ^2/NDF: 2326162.7/31

Left Out: 99.839+/-0.016 χ^2/NDF:697768.8/24

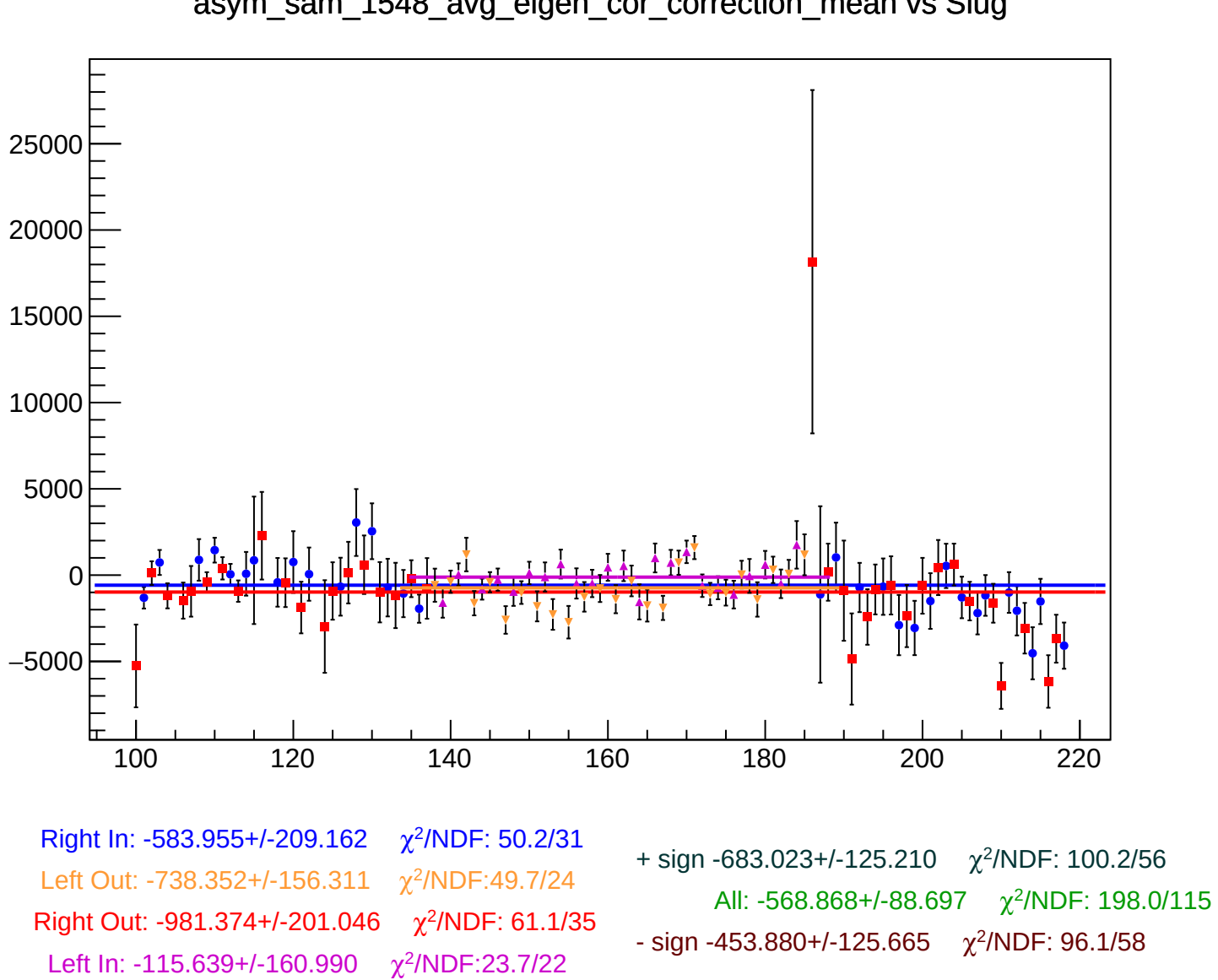
Right Out: 95.377+/-0.016 χ^2/NDF: 3572012.0/35

Left In: 100.498+/-0.017 χ^2/NDF:656850.1/22

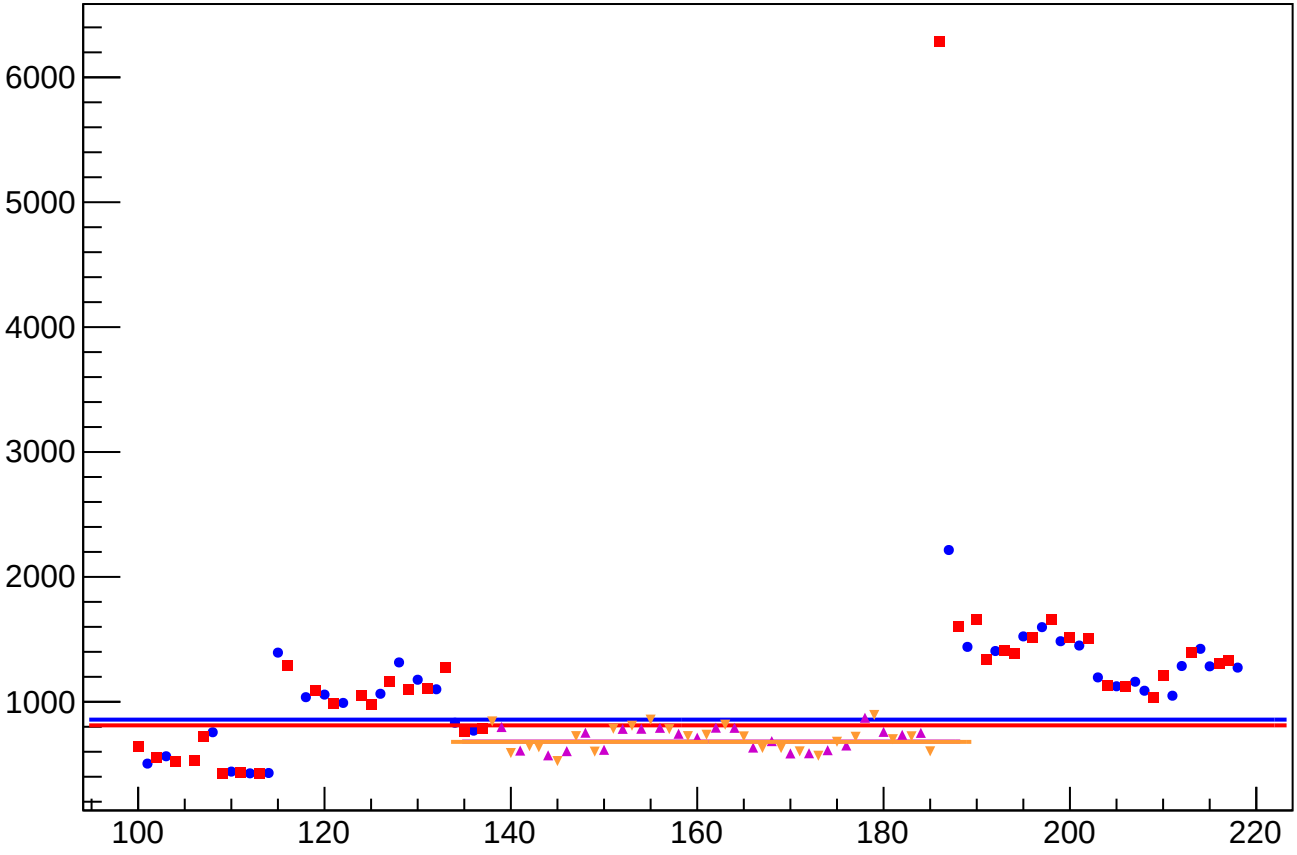
+ sign 98.378+/-0.011 χ^2/NDF: 3039703.6/56

All: 98.069+/-0.008 χ^2/NDF: 7319880.2/115

- sign 97.753+/-0.011 χ^2/NDF: 4278668.9/58


asym_sam_1548_avg_eigen_cor_correction_mean vs Slug
25000
20000
15000
10000
5000
0
−5000
100
120
140
160
180
200
220
Right In: -583.955+/-209.162 χ²/NDF: 50.2/31
Left Out: -738.352+/-156.311 χ²/NDF:49.7/24
Right Out: -981.374+/-201.046 χ²/NDF: 61.1/35
Left In: -115.639+/-160.990 χ²/NDF:23.7/22
+ sign -683.023+/-125.210 χ²/NDF: 100.2/56
All: -568.868+/-88.697 χ²/NDF: 198.0/115
- sign -453.880+/-125.665 χ²/NDF: 96.1/58

asym_sam_1548_avg_eigen_cor_correction_rms vs Slug



Right In: 857.382+/-0.148 χ^2/NDF: 6524871.3/31

Left Out: 679.146+/-0.111 χ^2/NDF:737418.6/24

Right Out: 811.359+/-0.142 χ^2/NDF: 8442651.9/35

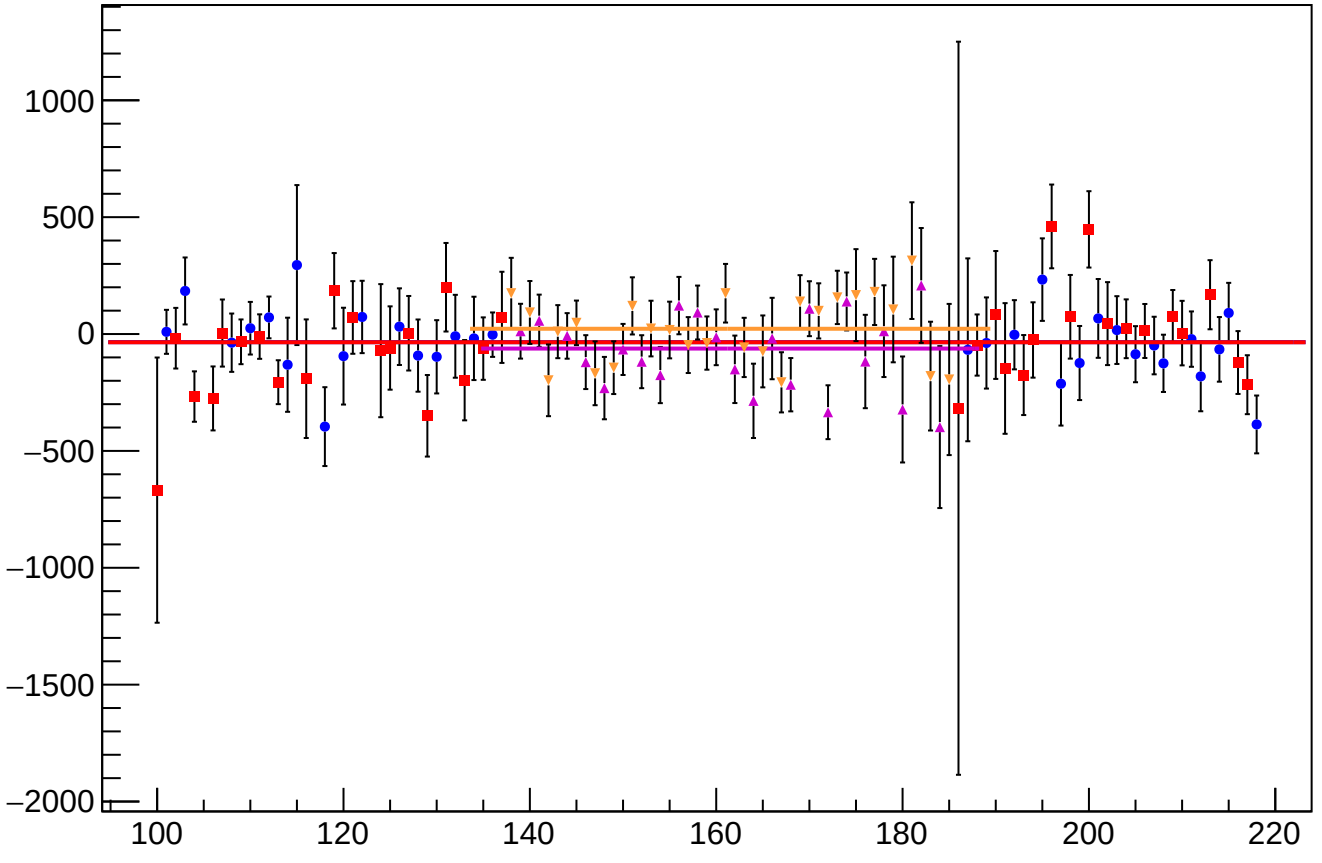
Left In: 681.893+/-0.114 χ^2/NDF:573813.6/22

+ sign 743.018+/-0.089 χ^2/NDF: 8194149.4/56

All: 737.765+/-0.063 χ^2/NDF: 17723015.1/11

- sign 732.475+/-0.089 χ^2/NDF: 9521802.1/58

dit_asym_sam_1548_avg_mean vs Slug



Right In: -34.736+/-24.861 χ^2/NDF: 26.1/31

Left Out: 22.542+/-26.643 χ^2/NDF:21.6/24

Right Out: -35.154+/-24.528 χ^2/NDF: 45.1/35

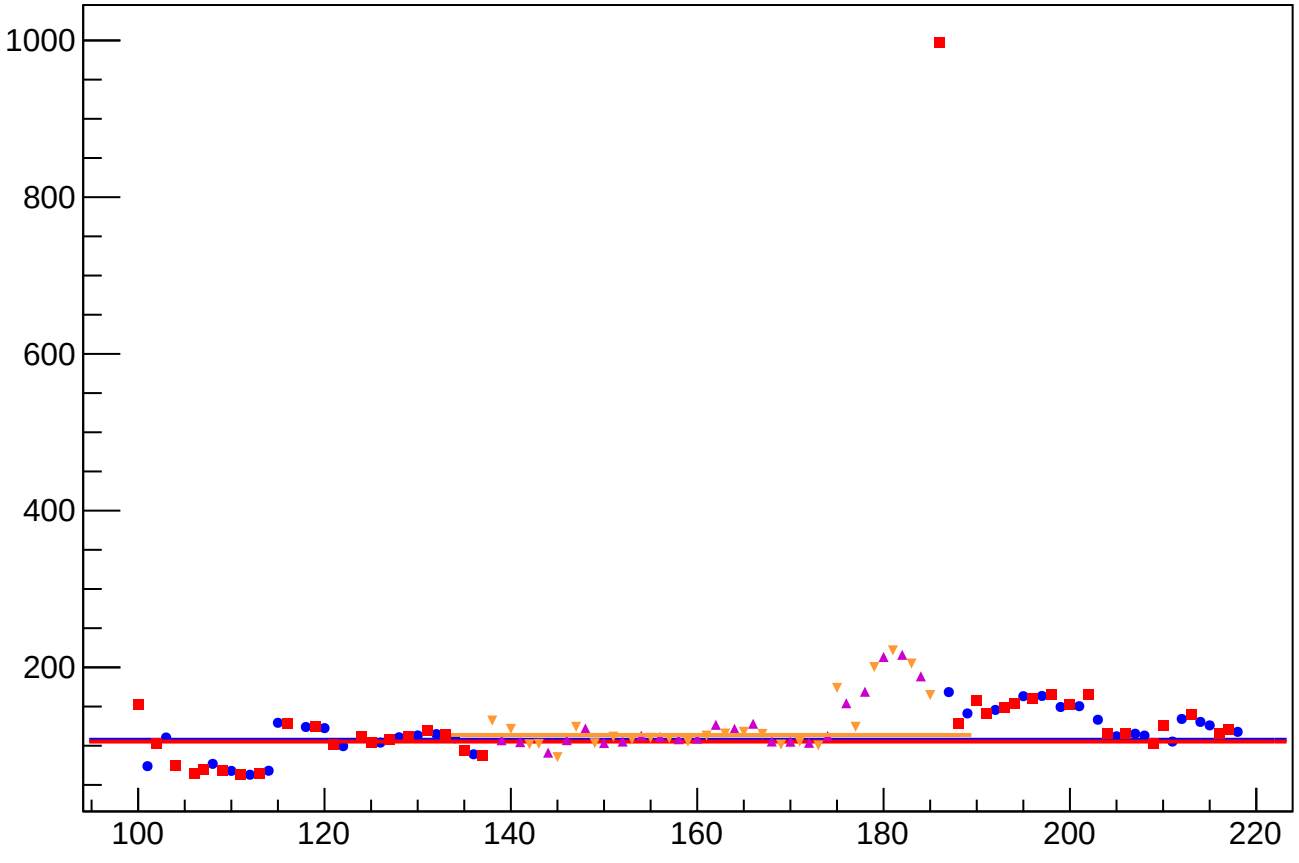
Left In: -62.169+/-27.339 χ^2/NDF:27.3/22

+ sign -8.076+/-18.177 χ^2/NDF: 50.2/56

All: -27.553+/-12.881 χ^2/NDF: 125.5/115

- sign -47.202+/-18.257 χ^2/NDF: 73.0/58

dit_asym_sam_1548_avg_rms vs Slug



Right In: 107.596+/-0.018 χ^2/NDF: 2481393.2/31

Left Out: 113.766+/-0.019 χ^2/NDF:1579920.3/24

Right Out: 105.315+/-0.017 χ^2/NDF: 3804767.5/35

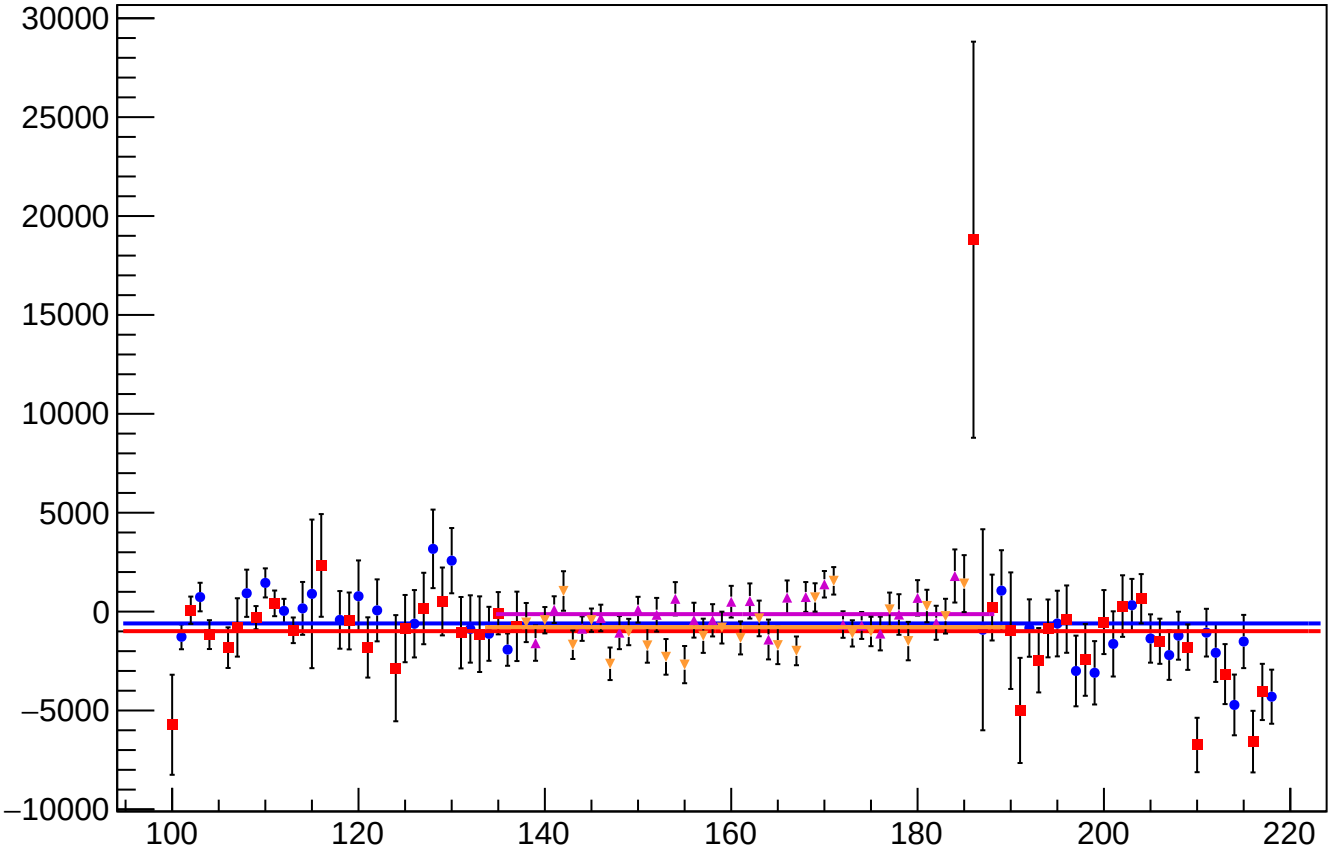
Left In: 113.677+/-0.019 χ^2/NDF:1316044.6/22

+ sign 110.468+/-0.013 χ^2/NDF: 4118649.6/56

All: 109.759+/-0.009 χ^2/NDF: 9349221.5/115

- sign 109.044+/-0.013 χ^2/NDF: 5224464.5/58

asym_sam_1548_avg_dit_correction_mean vs Slug



Right In: -598.085+/-211.960 χ^2/NDF: 50.7/31

Left Out: -784.286+/-160.482 χ^2/NDF:45.4/24

Right Out: -988.880+/-203.534 χ^2/NDF: 65.7/35

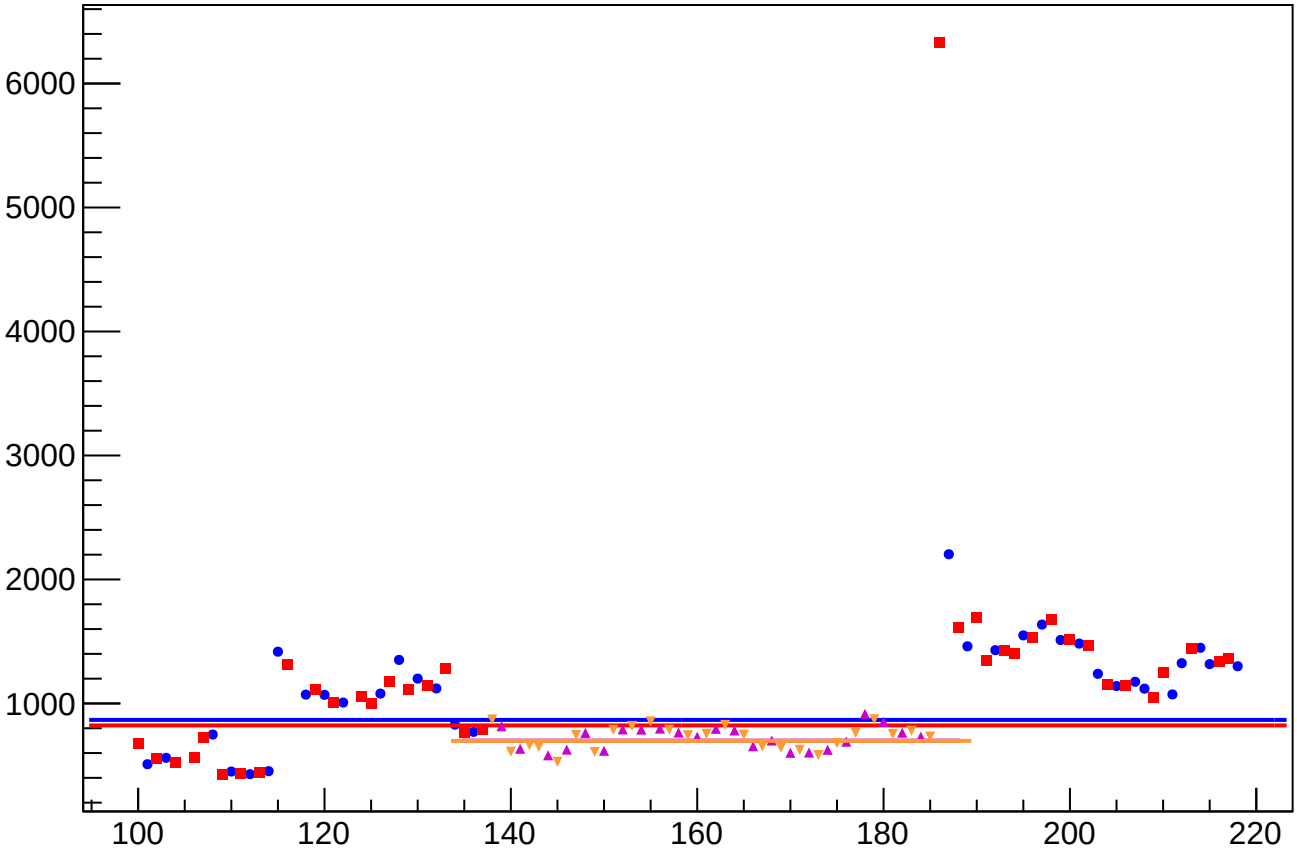
Left In: -128.155+/-165.255 χ^2/NDF:22.7/22

+ sign -716.440+/-127.946 χ^2/NDF: 96.6/56

All: -593.618+/-90.594 χ^2/NDF: 197.6/115

- sign -470.129+/-128.293 χ^2/NDF: 99.2/58

asym_sam_1548_avg_dit_correction_rms vs Slug



Right In: 867.357+/-0.150 χ^2/NDF: 6664265.9/31

Left Out: 698.237+/-0.113 χ^2/NDF:714686.8/24

Right Out: 822.875+/-0.144 χ^2/NDF: 8436717.7/35

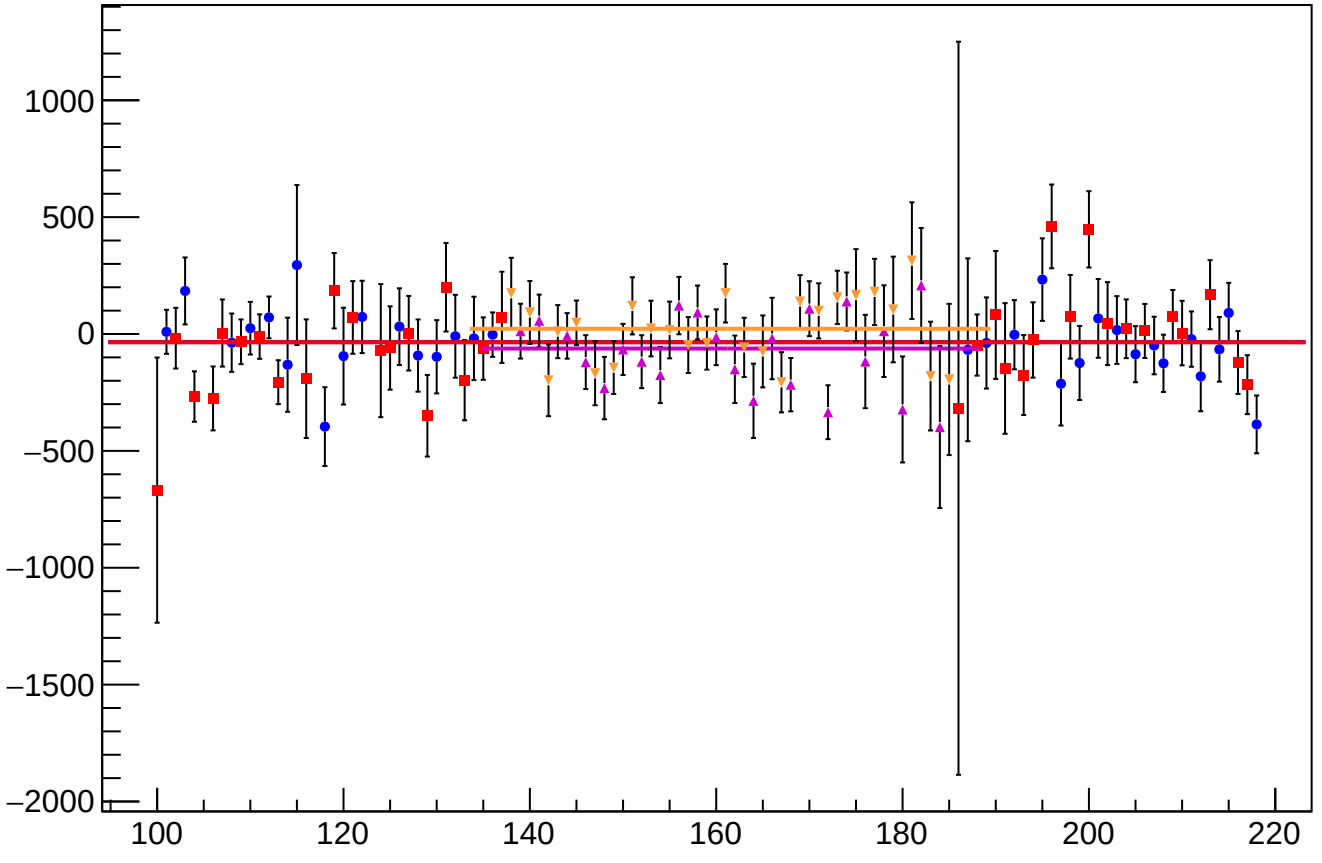
Left In: 700.079+/-0.117 χ^2/NDF:584318.7/22

+ sign 759.860+/-0.090 χ^2/NDF: 8188255.1/56

All: 754.378+/-0.064 χ^2/NDF: 17655398.7/11

- sign 748.867+/-0.091 χ^2/NDF: 9459782.1/58

eigen_dit_asym_sam_1548_avg_mean vs Slug



Right In: -34.734+/-24.861 χ^2/NDF: 26.1/31

Left Out: 22.544+/-26.643 χ^2/NDF:21.6/24

Right Out: -35.152+/-24.528 χ^2/NDF: 45.1/35

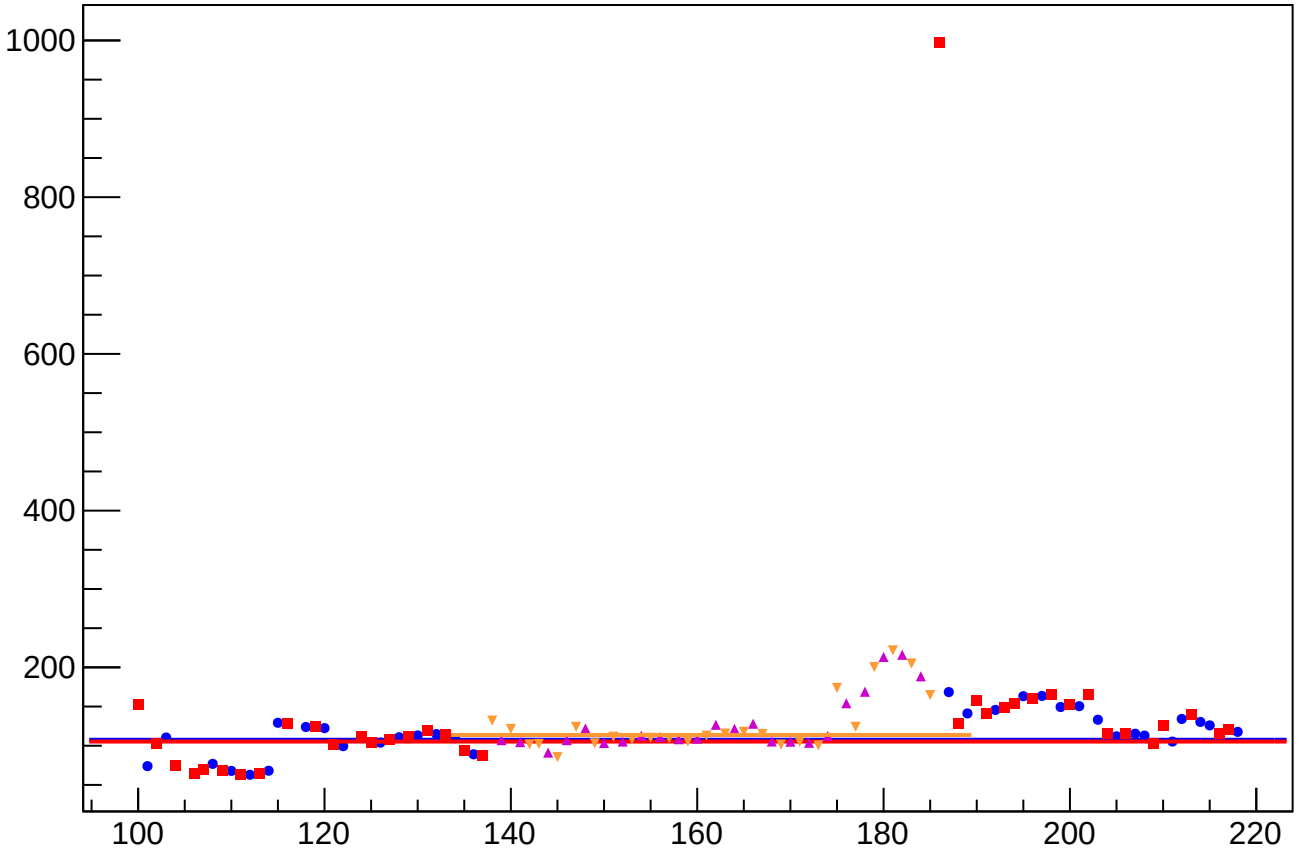
Left In: -62.169+/-27.339 χ^2/NDF:27.3/22

+ sign -8.074+/-18.177 χ^2/NDF: 50.2/56

All: -27.551+/-12.881 χ^2/NDF: 125.5/115

- sign -47.201+/-18.257 χ^2/NDF: 73.0/58

eigen_dit_asym_sam_1548_avg_rms vs Slug



Right In: 107.596+/-0.018 χ^2/NDF: 2481372.4/31

Left Out: 113.766+/-0.019 χ^2/NDF:1579910.8/24

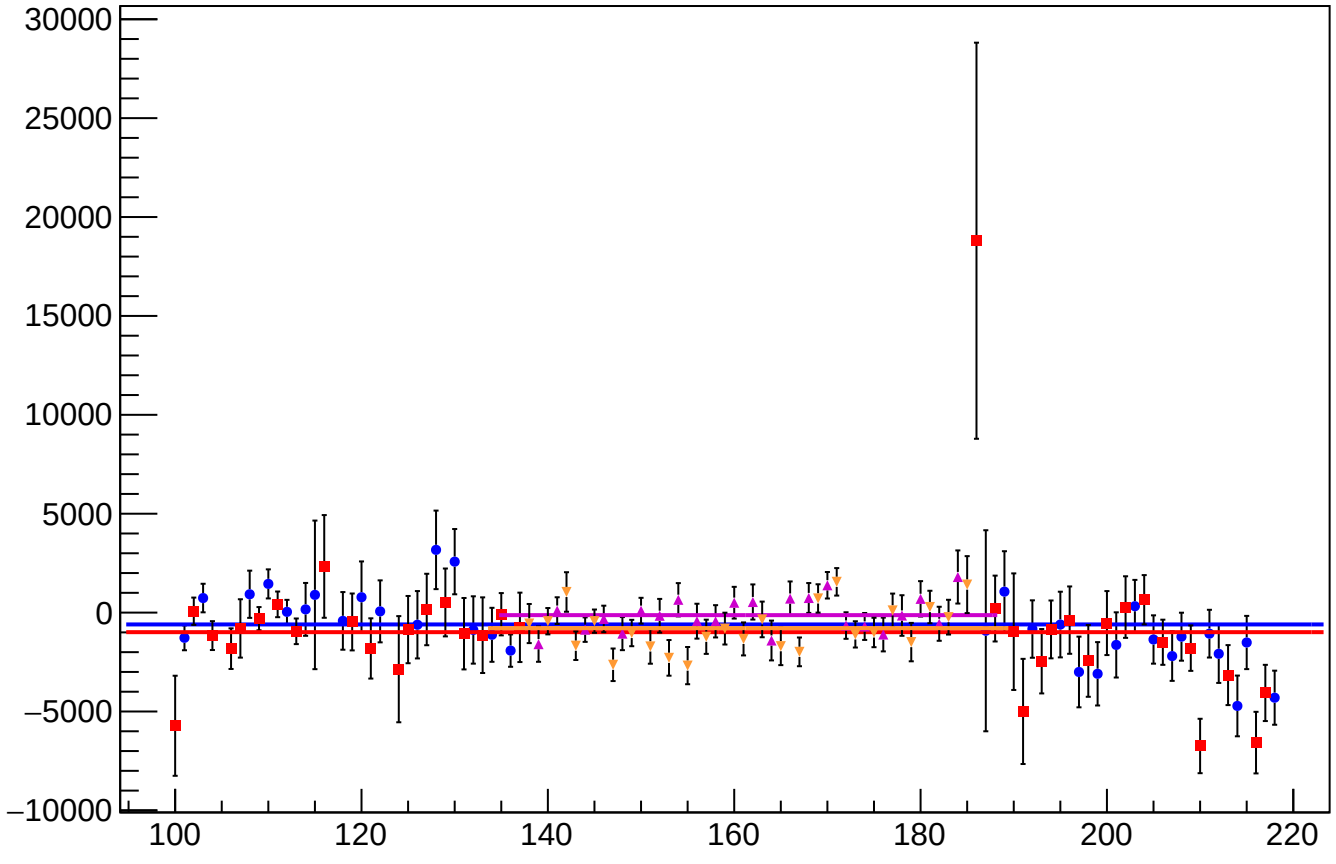
Right Out: 105.315+/-0.017 χ^2/NDF: 3804765.0/35

Left In: 113.677+/-0.019 χ^2/NDF:1316023.5/22

+ sign 110.468+/-0.013 χ^2/NDF: 4118623.4/56

All: 109.759+/-0.009 χ^2/NDF: 9349177.7/115

- sign 109.044+/-0.013 χ^2/NDF: 5224447.0/58



Right In: -598.085+/-211.960 χ^2/NDF: 50.7/31

Left Out: -784.284+/-160.482 χ^2/NDF:45.4/24

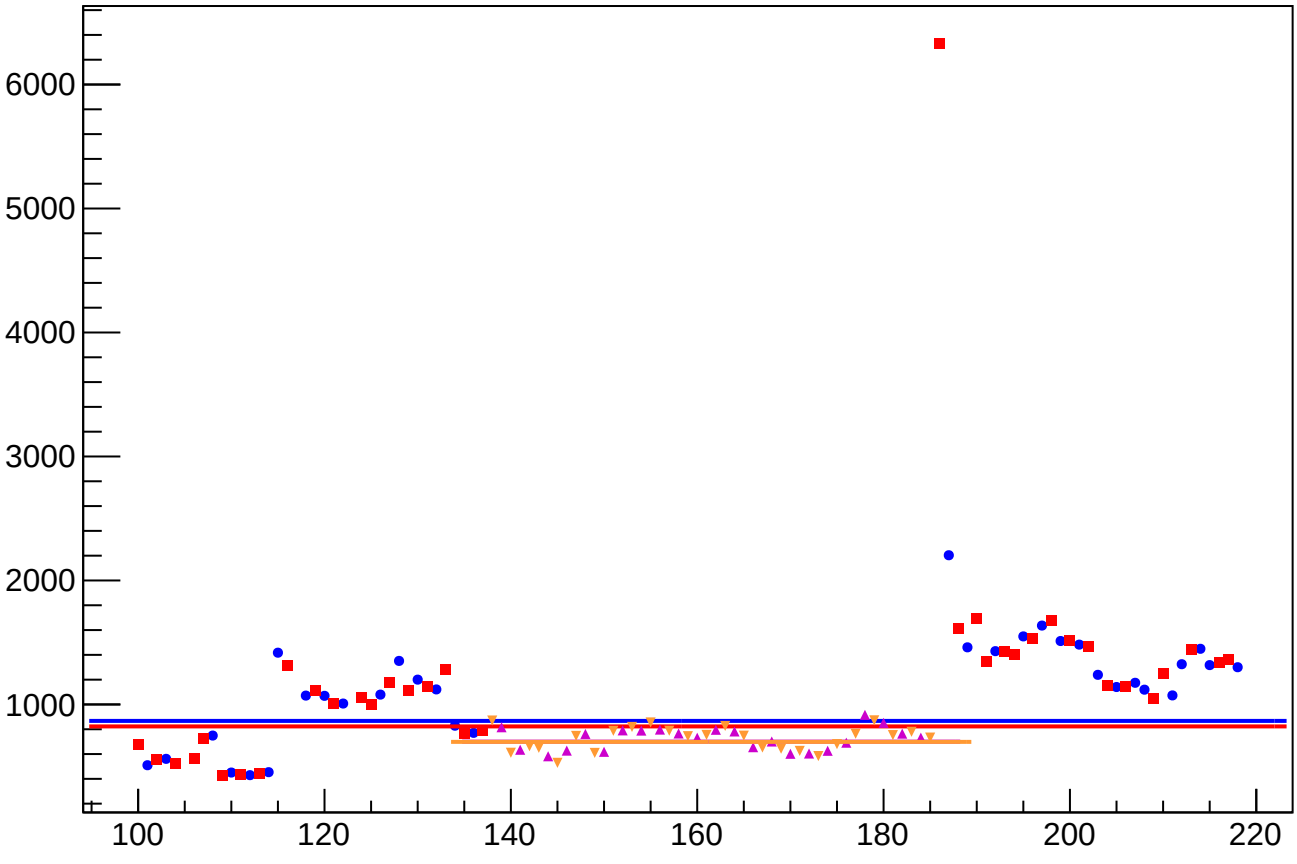
Right Out: -988.878+/-203.534 χ^2/NDF: 65.7/35

Left In: -128.154+/-165.255 χ^2/NDF:22.7/22

+ sign -716.438+/-127.946 χ^2/NDF: 96.6/56

All: -593.616+/-90.594 χ^2/NDF: 197.6/115

- sign -470.128+/-128.293 χ^2/NDF: 99.2/58



Right In: 867.356+/-0.150 χ^2/NDF: 6664265.9/31

Left Out: 698.236+/-0.113 χ^2/NDF:714685.1/24

Right Out: 822.874+/-0.144 χ^2/NDF: 8436714.0/35

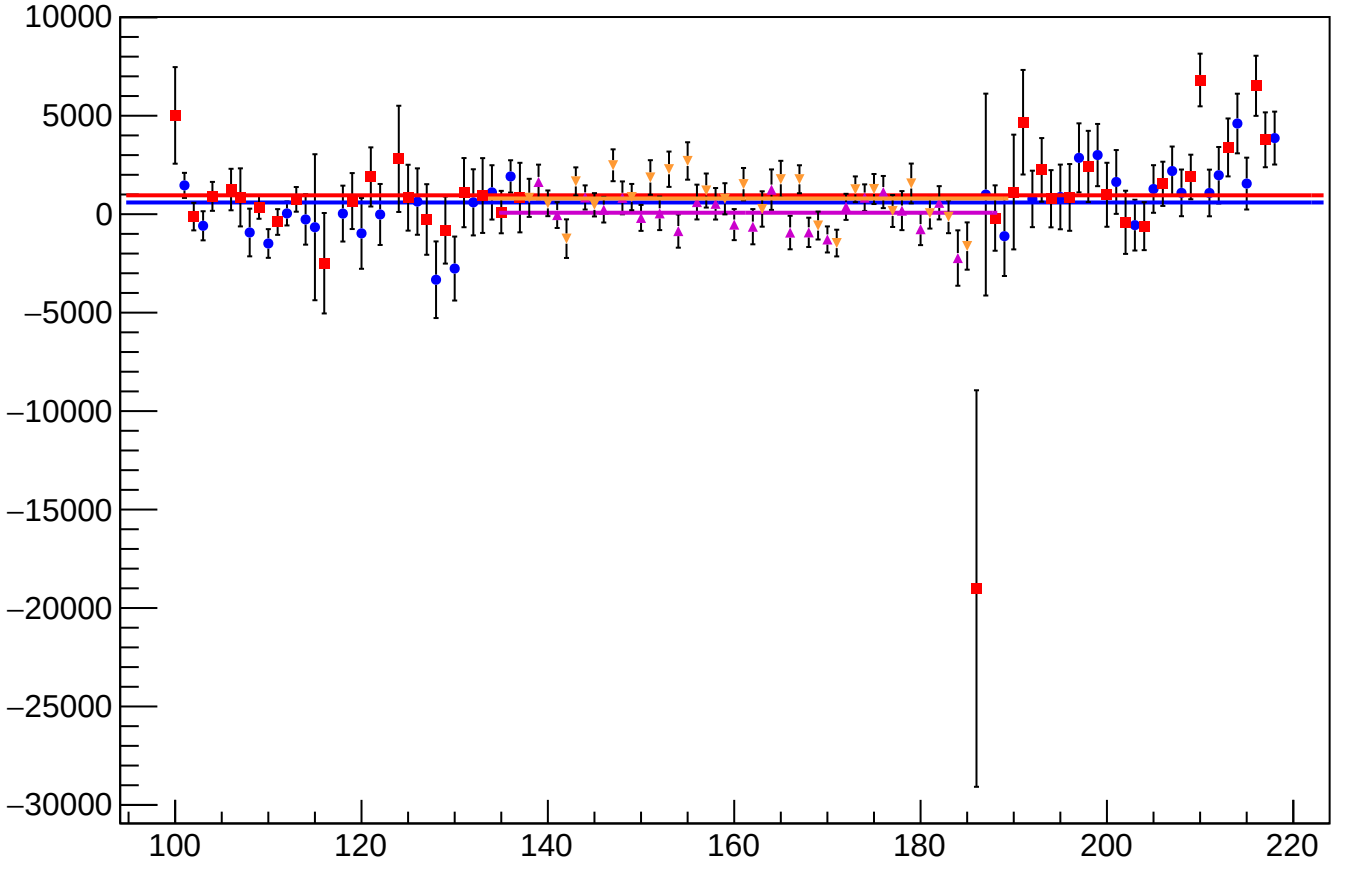
Left In: 700.079+/-0.117 χ^2/NDF:584314.1/22

+ sign 759.859+/-0.090 χ^2/NDF: 8188253.2/56

All: 754.377+/-0.064 χ^2/NDF: 17655387.3/11

- sign 748.866+/-0.091 χ^2/NDF: 9459772.7/58

asym_sam_1548_avg_mean vs Slug



Right In: 594.660+/-210.953 χ^2/NDF: 50.4/31

Left Out: 796.905+/-158.142 χ^2/NDF:46.4/24

Right Out: 958.255+/-202.762 χ^2/NDF: 65.9/35

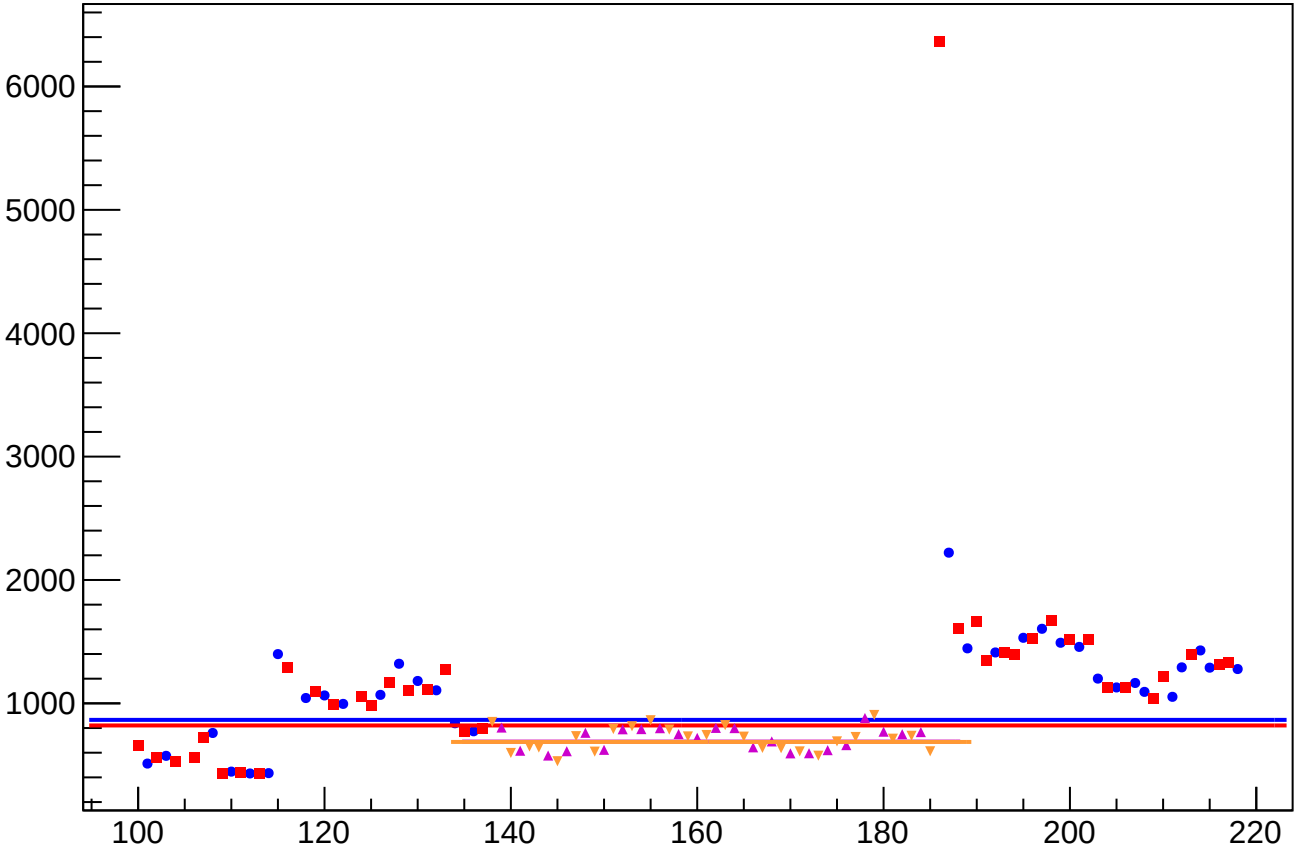
Left In: 73.501+/-162.879 χ^2/NDF:24.9/22

+ sign 724.140+/-126.534 χ^2/NDF: 97.4/56

All: 572.860+/-89.631 χ^2/NDF: 202.6/115

- sign 420.508+/-126.982 χ^2/NDF: 102.3/58

asym_sam_1548_avg_rms vs Slug



Right In: 866.094+/-0.149 χ^2/NDF: 6413027.8/31

Left Out: 687.243+/-0.112 χ^2/NDF:727994.0/24

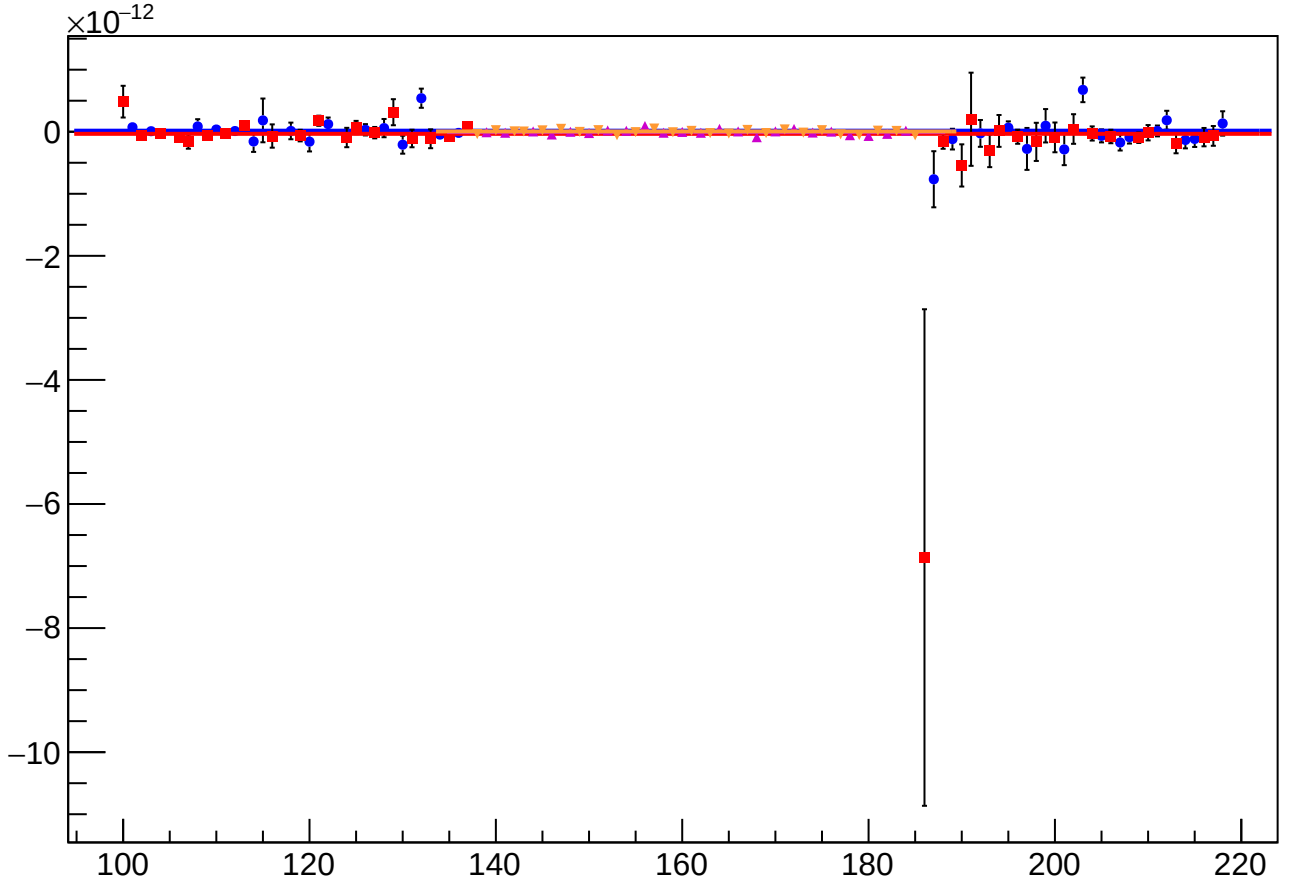
Right Out: 820.844+/-0.143 χ^2/NDF: 8302497.1/35

Left In: 689.997+/-0.115 χ^2/NDF:567089.0/22

+ sign 751.592+/-0.089 χ^2/NDF: 8061403.2/56

All: 746.472+/-0.063 χ^2/NDF: 17443785.4/11

- sign 741.316+/-0.090 χ^2/NDF: 9375811.1/58



Right In: 0.000+/-0.000 χ^2/NDF: 48.8/31

Left Out: 0.000+/-0.000 χ^2/NDF:22.0/24

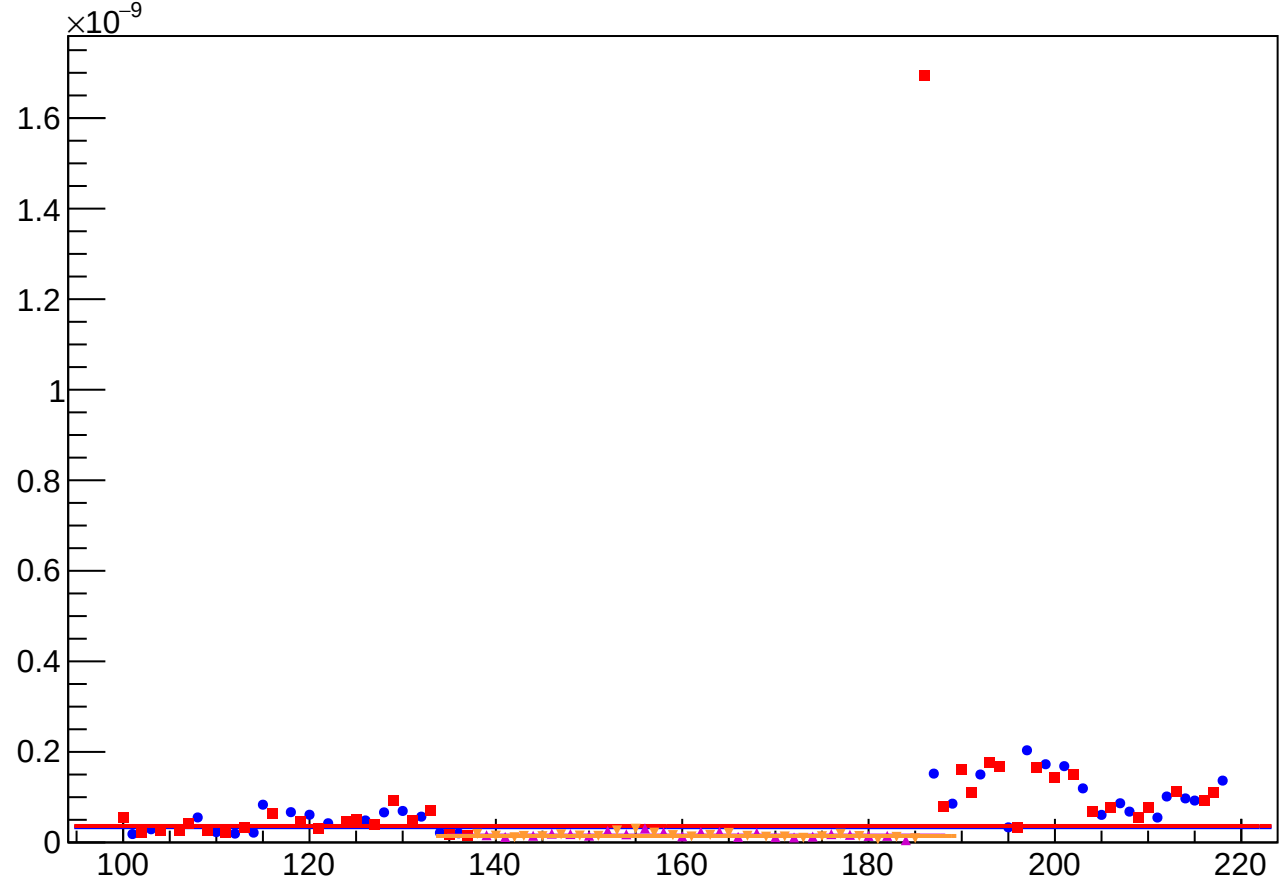
Right Out: -0.000+/-0.000 χ^2/NDF: 36.0/35

Left In: -0.000+/-0.000 χ^2/NDF:26.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 71.4/56

All: -0.000+/-0.000 χ^2/NDF: 141.4/115

- sign -0.000+/-0.000 χ^2/NDF: 65.4/58



Right In: 0.000+/-0.000 χ^2/NDF: 7448051.5/31

Left Out: 0.000+/-0.000 χ^2/NDF:992947.6/24

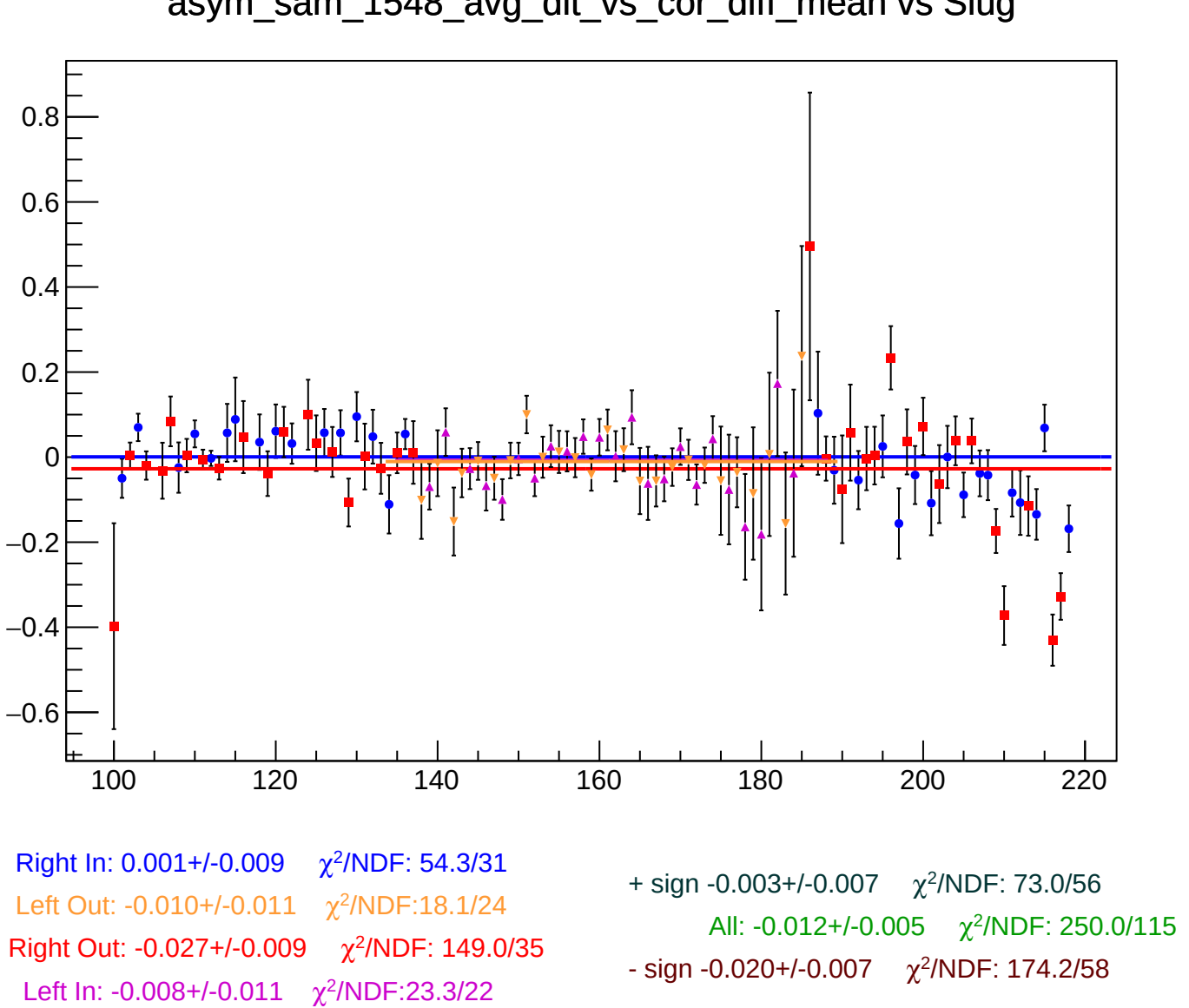
Right Out: 0.000+/-0.000 χ^2/NDF: 6655805.6/35

Left In: 0.000+/-0.000 χ^2/NDF:1107168.2/22

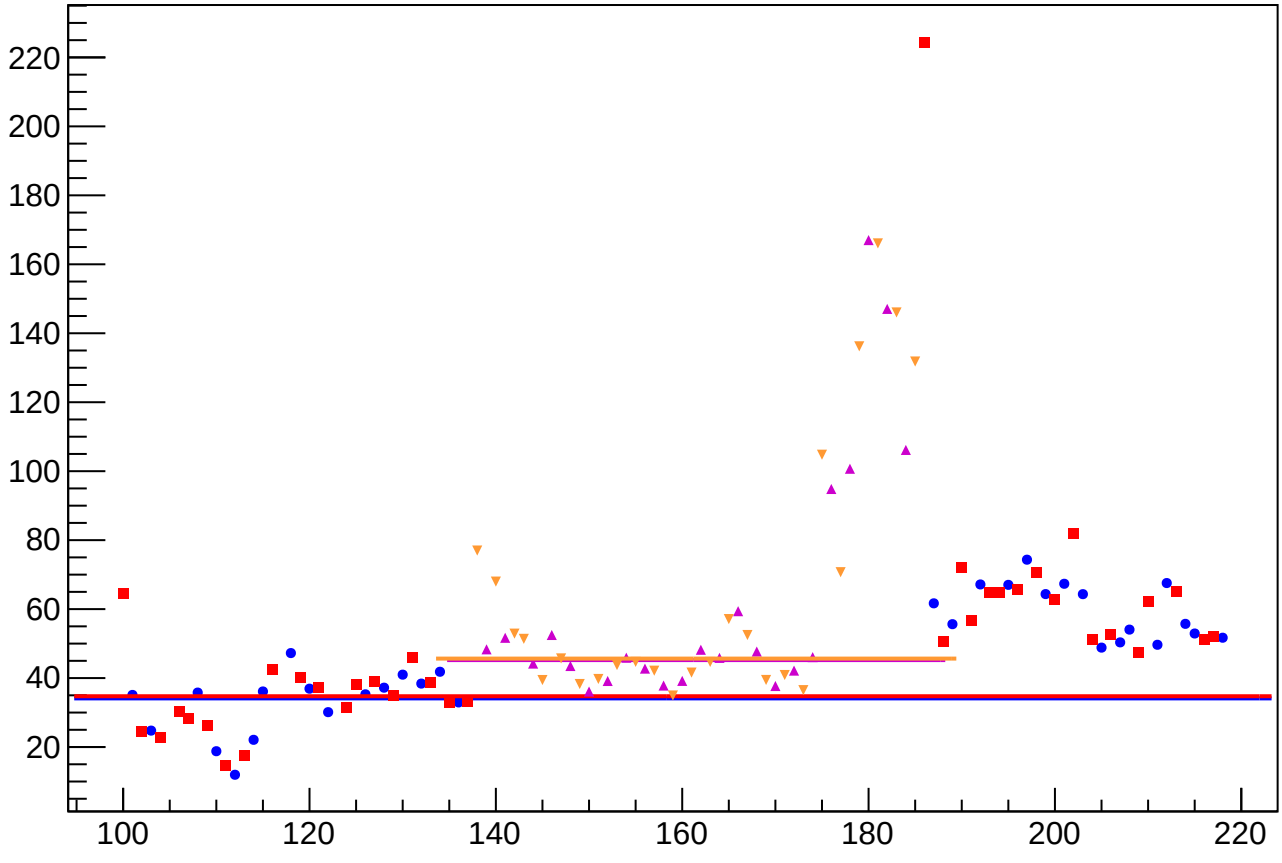
+ sign 0.000+/-0.000 χ^2/NDF: 11773553.2/56

All: 0.000+/-0.000 χ^2/NDF: 23049913.4/115

- sign 0.000+/-0.000 χ^2/NDF: 11228355.2/58


asym_sam_1548_avg_dit_vs_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
200
220
Right In: 0.001+/-0.009 χ²/NDF: 54.3/31
Left Out: -0.010+/-0.011 χ²/NDF:18.1/24
Right Out: -0.027+/-0.009 χ²/NDF: 149.0/35
Left In: -0.008+/-0.011 χ²/NDF:23.3/22
+ sign -0.003+/-0.007 χ²/NDF: 73.0/56
All: -0.012+/-0.005 χ²/NDF: 250.0/115
- sign -0.020+/-0.007 χ²/NDF: 174.2/58

asym_sam_1548_avg_dit_vs_cor_diff_rms vs Slug



Right In: 34.108+/-0.006 χ^2/NDF: 8449142.5/31

Left Out: 45.650+/-0.008 χ^2/NDF:4015230.2/24

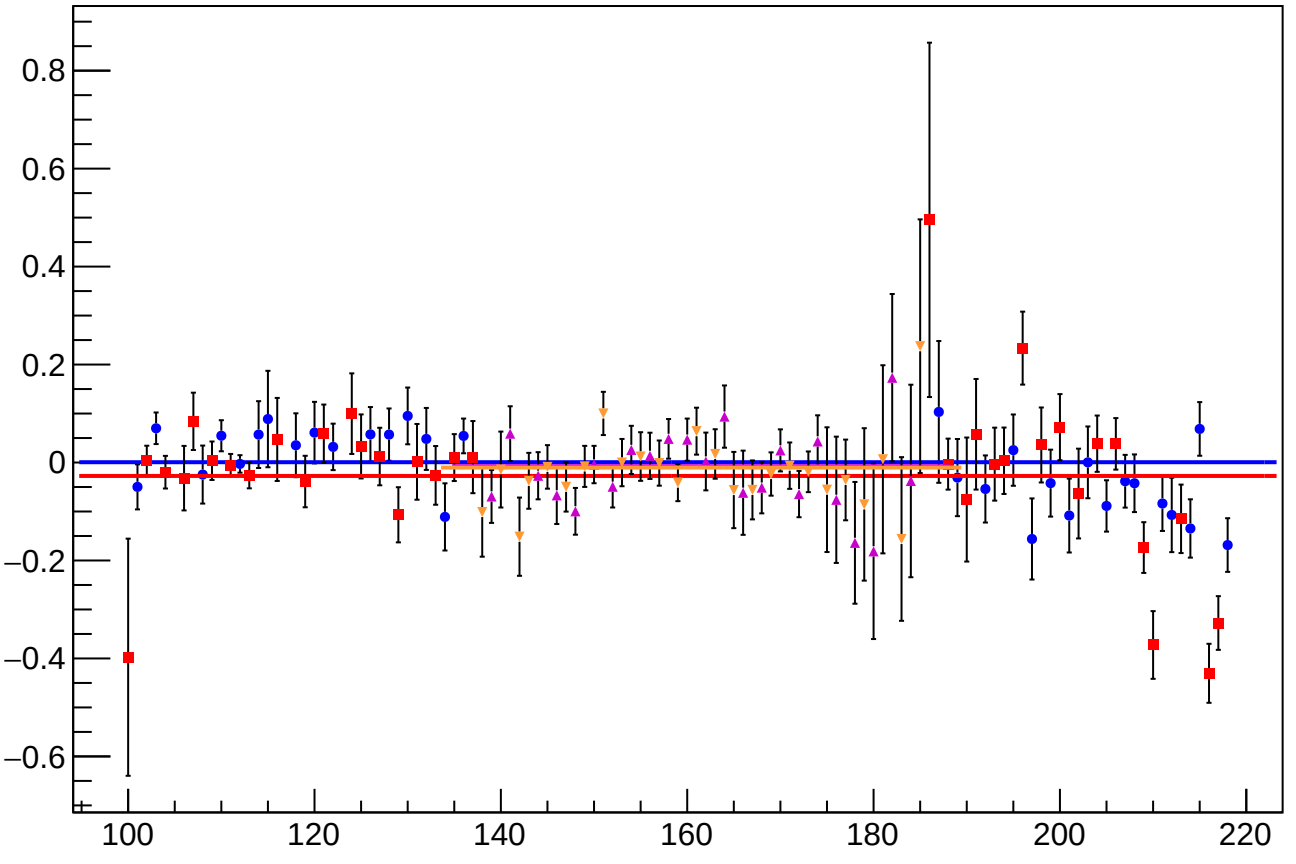
Right Out: 34.731+/-0.006 χ^2/NDF: 8093350.5/35

Left In: 45.217+/-0.008 χ^2/NDF:2992534.4/22

+ sign 38.439+/-0.005 χ^2/NDF: 13773822.2/56

All: 38.530+/-0.003 χ^2/NDF: 25921678.3/115

- sign 38.622+/-0.005 χ^2/NDF: 12147157.0/58



Right In: 0.001+/-0.009 χ^2/NDF: 54.3/31

Left Out: -0.010+/-0.011 χ^2/NDF:18.1/24

Right Out: -0.027+/-0.009 χ^2/NDF: 149.0/35

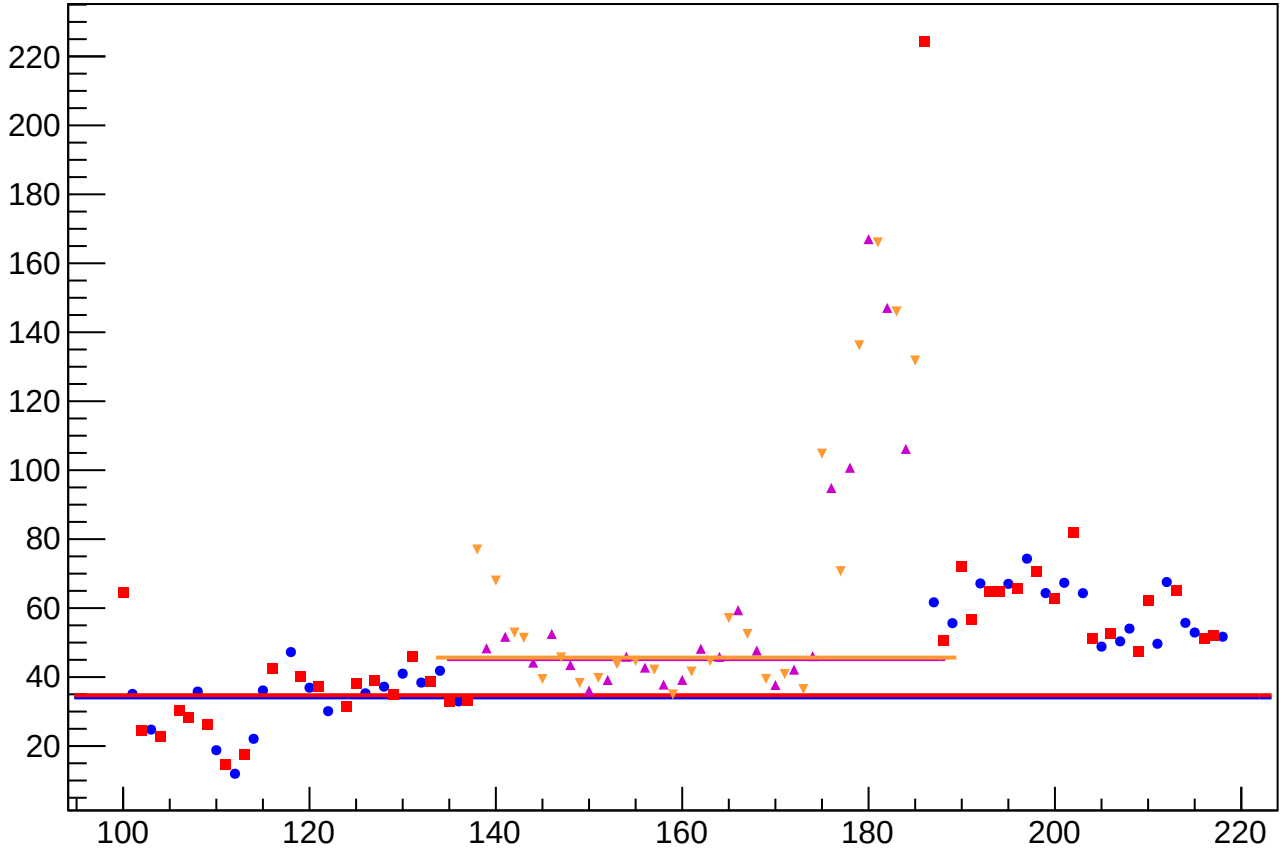
Left In: -0.008+/-0.011 χ^2/NDF:23.3/22

+ sign -0.003+/-0.007 χ^2/NDF: 73.0/56

All: -0.012+/-0.005 χ^2/NDF: 250.0/115

- sign -0.020+/-0.007 χ^2/NDF: 174.2/58

asym_sam_1548_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 34.108+/-0.006 χ^2/NDF: 8449142.5/31

Left Out: 45.650+/-0.008 χ^2/NDF:4015230.2/24

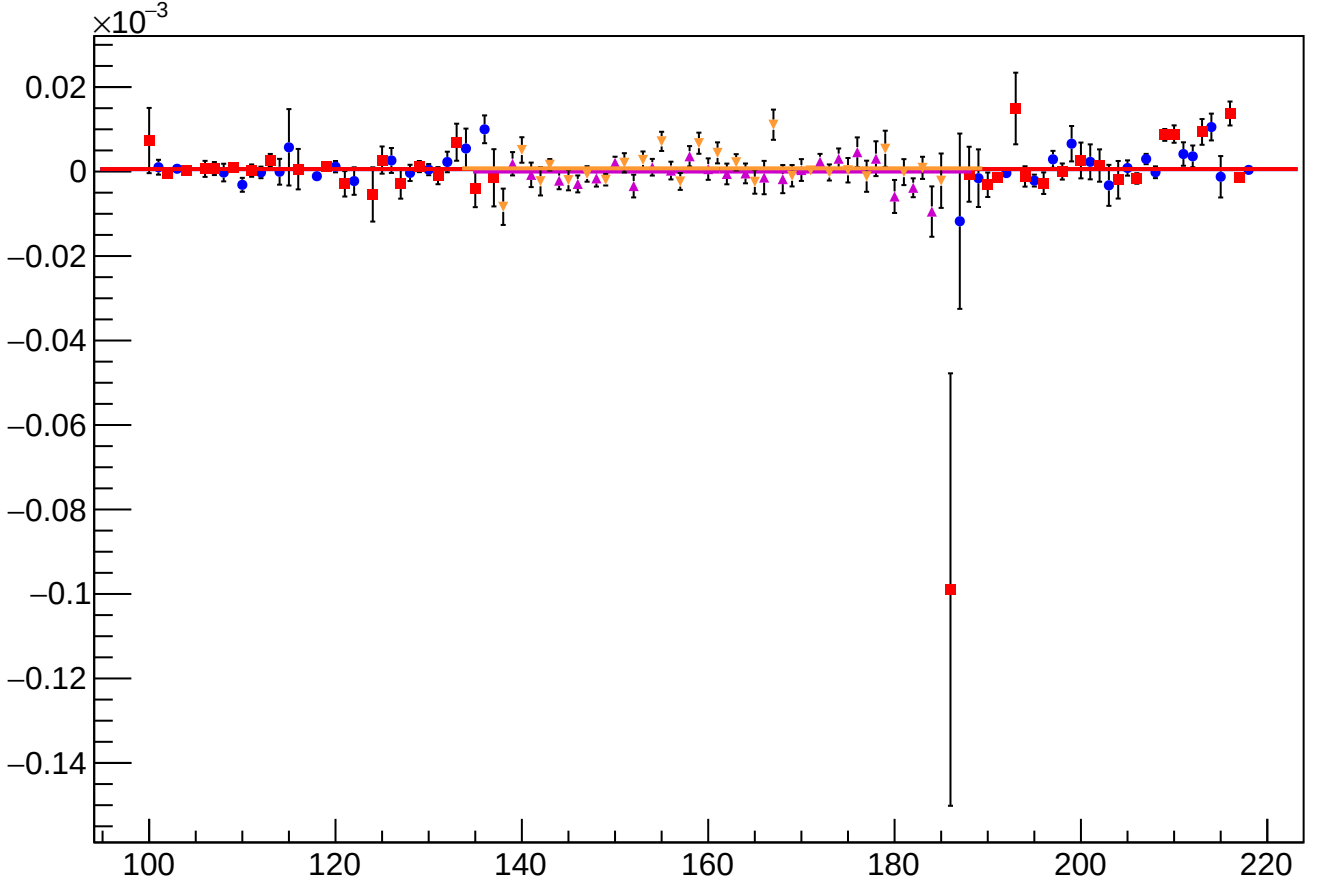
Right Out: 34.731+/-0.006 χ^2/NDF: 8093350.5/35

Left In: 45.217+/-0.008 χ^2/NDF:2992534.4/22

+ sign 38.439+/-0.005 χ^2/NDF: 13773822.2/56

All: 38.530+/-0.003 χ^2/NDF: 25921678.3/115

- sign 38.622+/-0.005 χ^2/NDF: 12147157.0/58



Right In: 0.000+/-0.000 χ^2/NDF: 46.1/31

Left Out: 0.000+/-0.000 χ^2/NDF:46.2/24

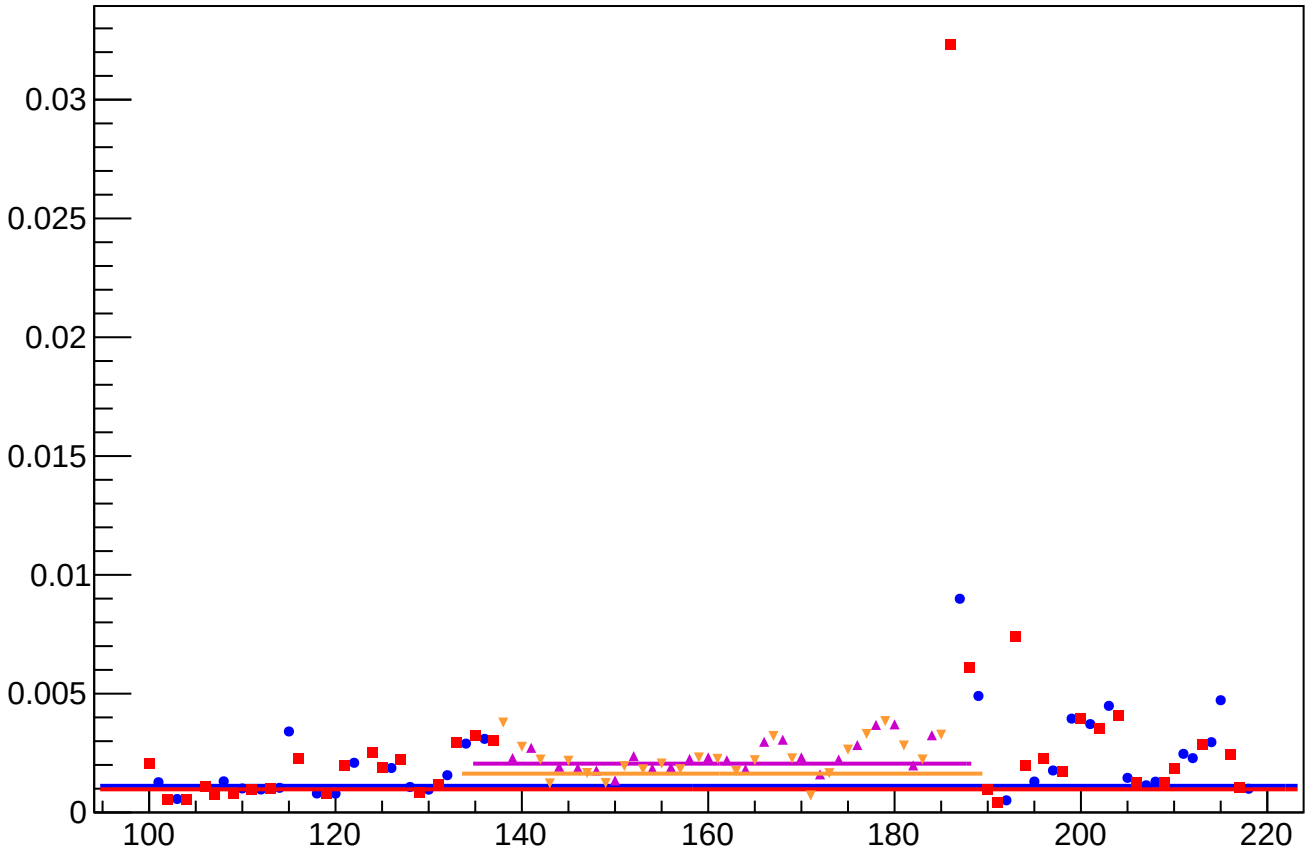
Right Out: 0.000+/-0.000 χ^2/NDF: 116.0/35

Left In: 0.000+/-0.000 χ^2/NDF:24.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 92.4/56

All: 0.000+/-0.000 χ^2/NDF: 234.2/115

- sign 0.000+/-0.000 χ^2/NDF: 141.5/58



Right In: 0.001+/-0.000 χ^2/NDF: 10241998.3/31

Left Out: 0.002+/-0.000 χ^2/NDF:6495366.7/24

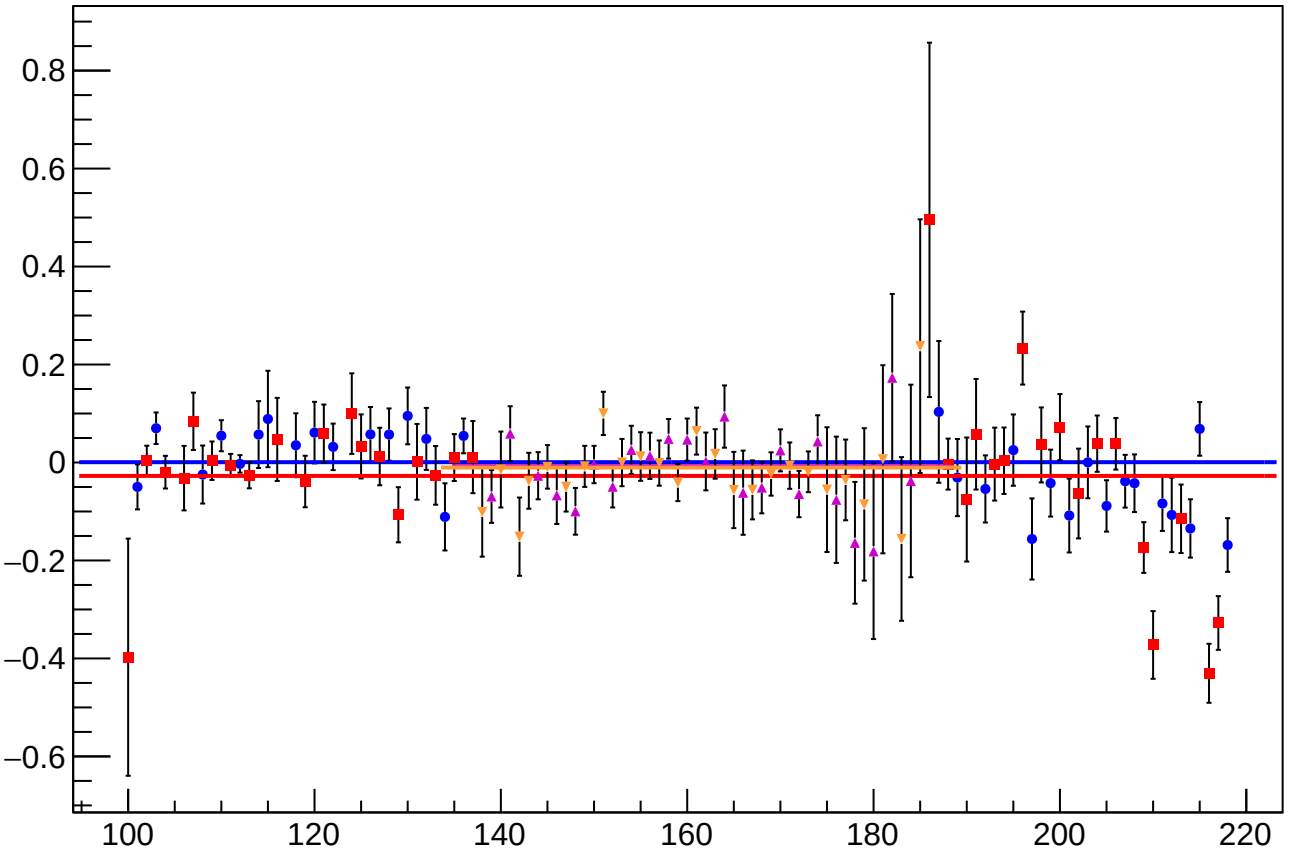
Right Out: 0.001+/-0.000 χ^2/NDF: 13782305.3/35

Left In: 0.002+/-0.000 χ^2/NDF:2093048.8/22

+ sign 0.001+/-0.000 χ^2/NDF: 18740879.2/56

All: 0.001+/-0.000 χ^2/NDF: 41936494.7/115

- sign 0.001+/-0.000 χ^2/NDF: 23074400.1/58



Right In: 0.001+/-0.009 χ^2/NDF: 54.3/31

Left Out: -0.010+/-0.011 χ^2/NDF:18.1/24

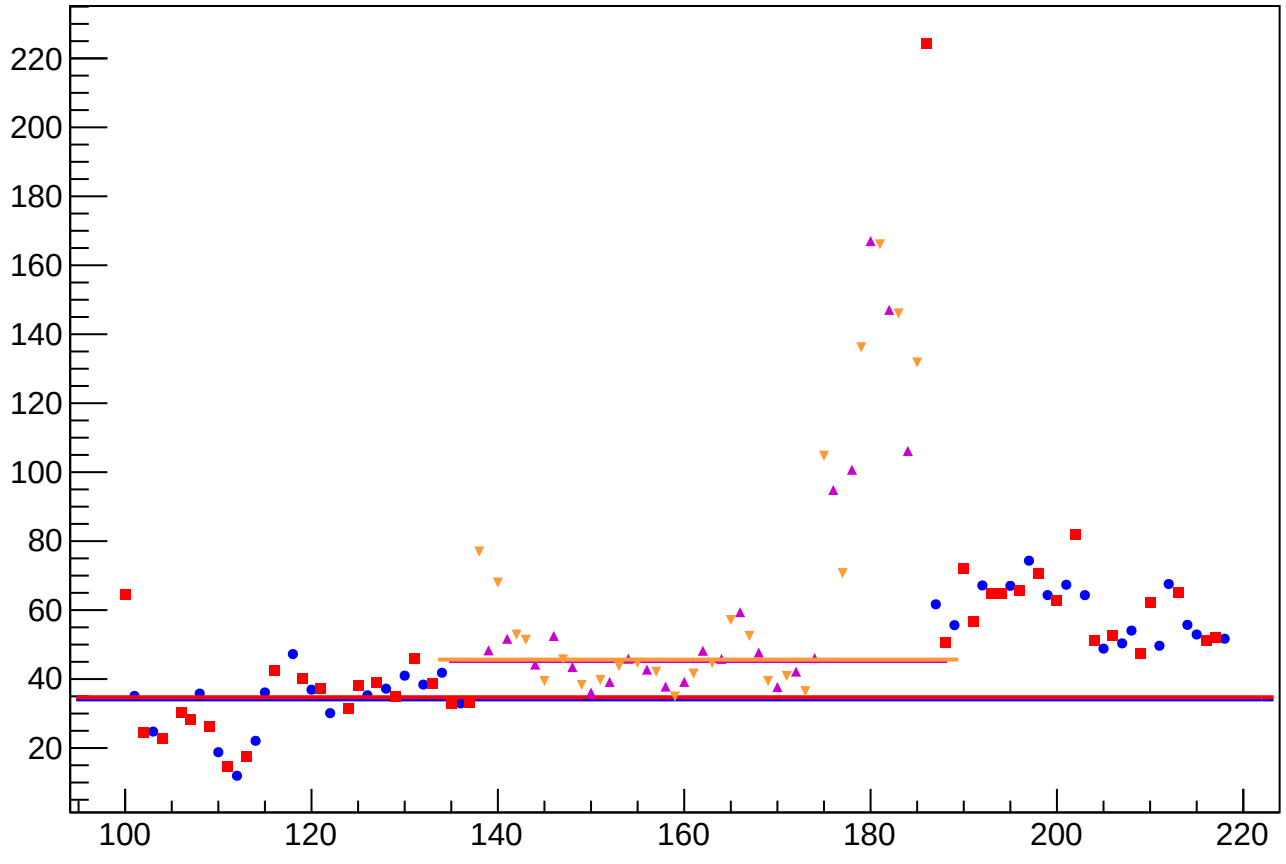
Right Out: -0.027+/-0.009 χ^2/NDF: 149.0/35

Left In: -0.008+/-0.011 χ^2/NDF:23.3/22

+ sign -0.003+/-0.007 χ^2/NDF: 73.0/56

All: -0.012+/-0.005 χ^2/NDF: 250.0/115

- sign -0.020+/-0.007 χ^2/NDF: 174.2/58



Right In: 34.107+/-0.006 χ^2/NDF: 8449446.0/31

Left Out: 45.651+/-0.008 χ^2/NDF:4015154.4/24

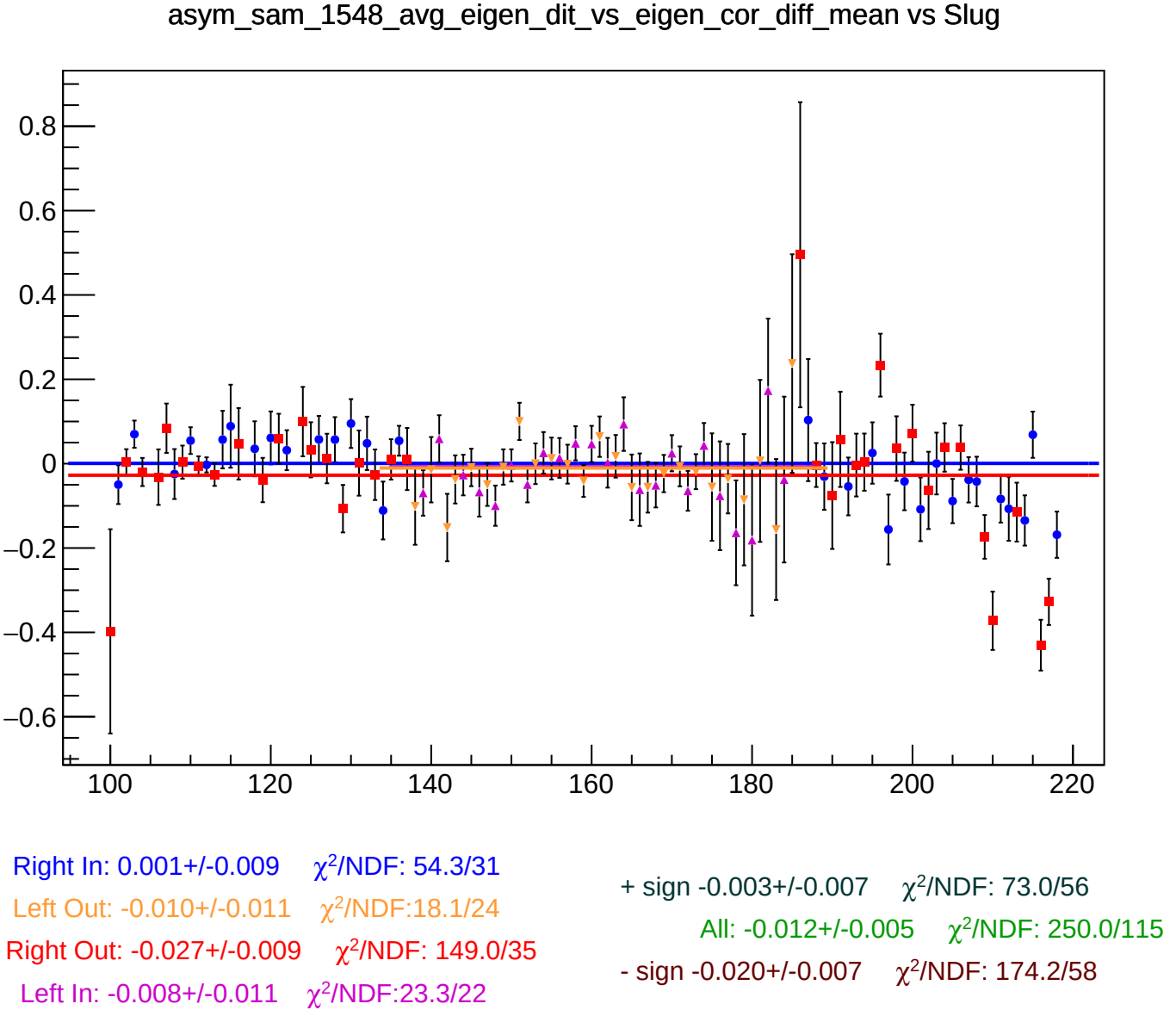
Right Out: 34.730+/-0.006 χ^2/NDF: 8093602.7/35

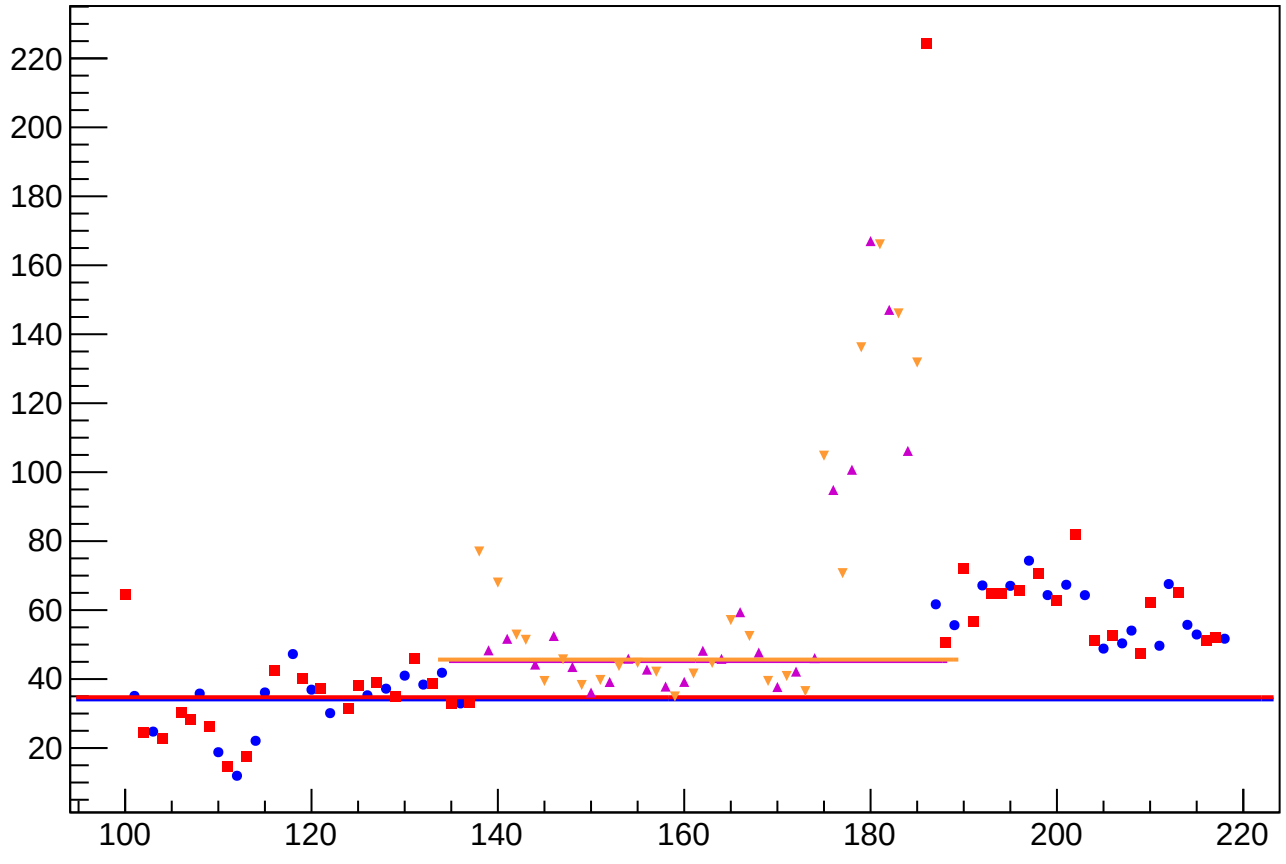
Left In: 45.218+/-0.008 χ^2/NDF:2992449.1/22

+ sign 38.439+/-0.005 χ^2/NDF: 13774279.0/56

All: 38.530+/-0.003 χ^2/NDF: 25922478.1/115

- sign 38.622+/-0.005 χ^2/NDF: 12147498.9/58


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
200
220
Right In: 0.001+/-0.009 χ²/NDF: 54.3/31
Left Out: -0.010+/-0.011 χ²/NDF:18.1/24
Right Out: -0.027+/-0.009 χ²/NDF: 149.0/35
Left In: -0.008+/-0.011 χ²/NDF:23.3/22
+ sign -0.003+/-0.007 χ²/NDF: 73.0/56
All: -0.012+/-0.005 χ²/NDF: 250.0/115
- sign -0.020+/-0.007 χ²/NDF: 174.2/58



Right In: 34.107+/-0.006 χ^2/NDF: 8449446.0/31

Left Out: 45.651+/-0.008 χ^2/NDF:4015154.4/24

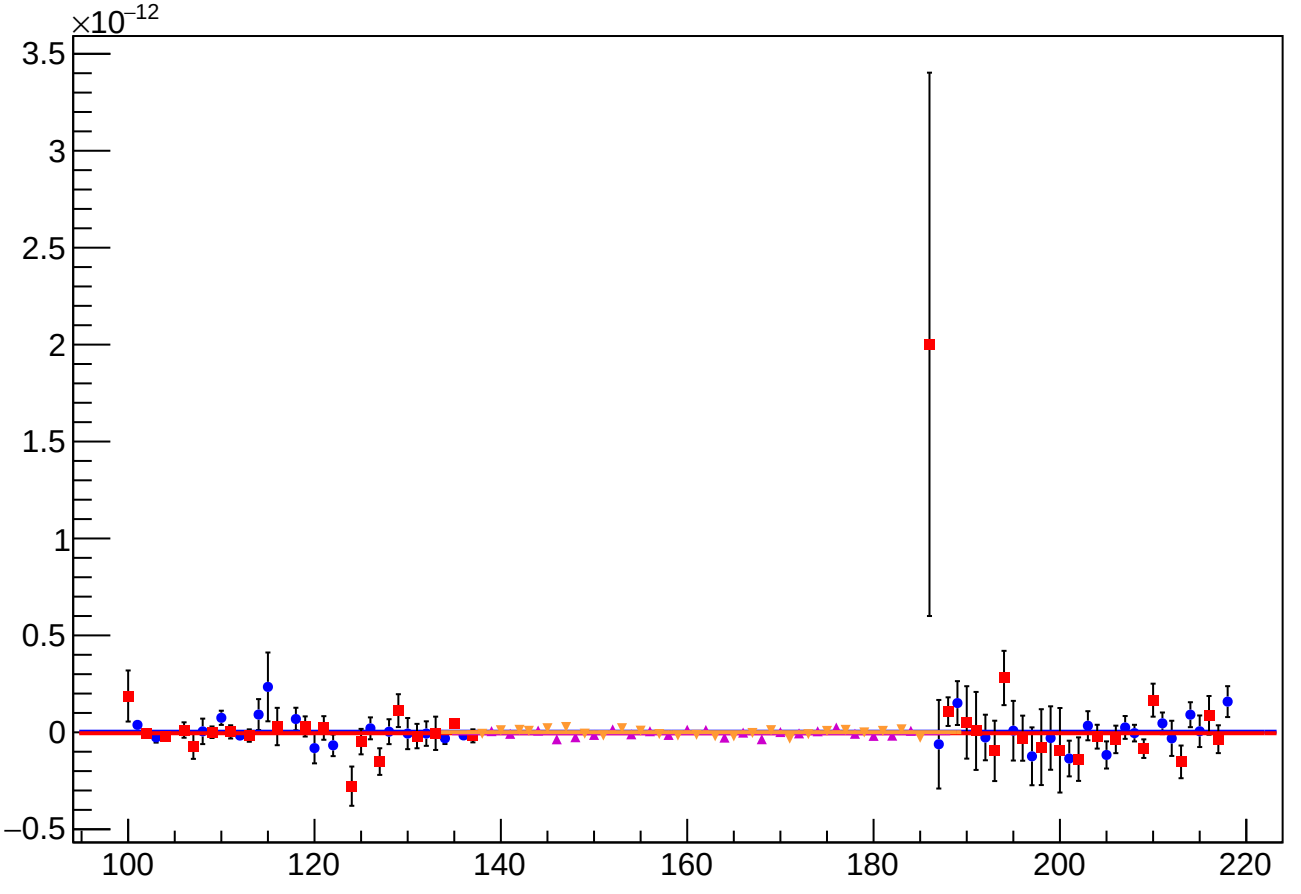
Right Out: 34.730+/-0.006 χ^2/NDF: 8093602.7/35

Left In: 45.218+/-0.008 χ^2/NDF:2992449.1/22

+ sign 38.439+/-0.005 χ^2/NDF: 13774279.0/56

All: 38.530+/-0.003 χ^2/NDF: 25922478.1/115

- sign 38.622+/-0.005 χ^2/NDF: 12147498.9/58



Right In: 0.000+/-0.000 χ^2/NDF: 33.3/31

Left Out: 0.000+/-0.000 χ^2/NDF:25.4/24

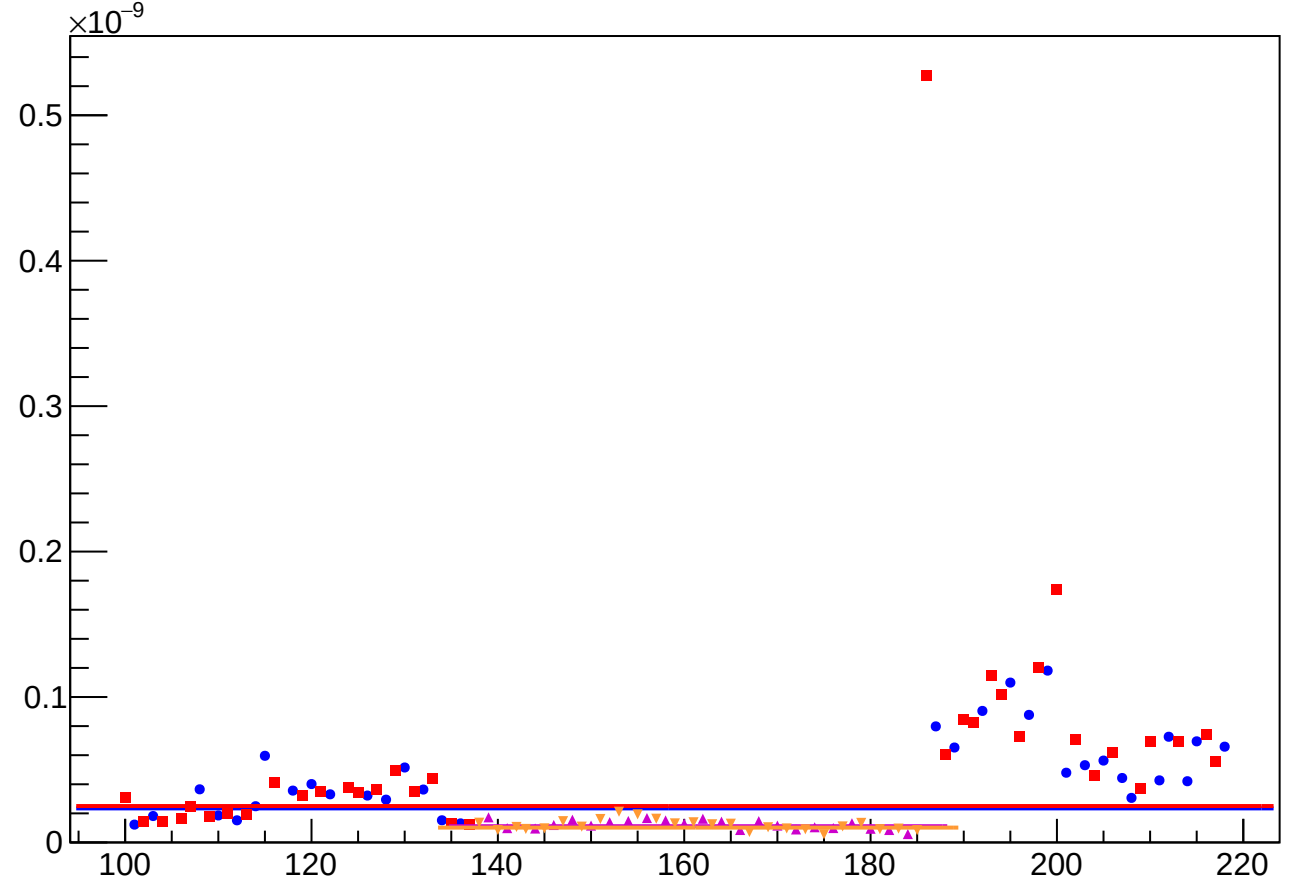
Right Out: -0.000+/-0.000 χ^2/NDF: 45.3/35

Left In: -0.000+/-0.000 χ^2/NDF:23.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 58.8/56

All: -0.000+/-0.000 χ^2/NDF: 129.9/115

- sign -0.000+/-0.000 χ^2/NDF: 69.0/58



Right In: 0.000+/-0.000 χ^2/NDF: 8832695.2/31

Left Out: 0.000+/-0.000 χ^2/NDF:2257651.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9753174.6/35

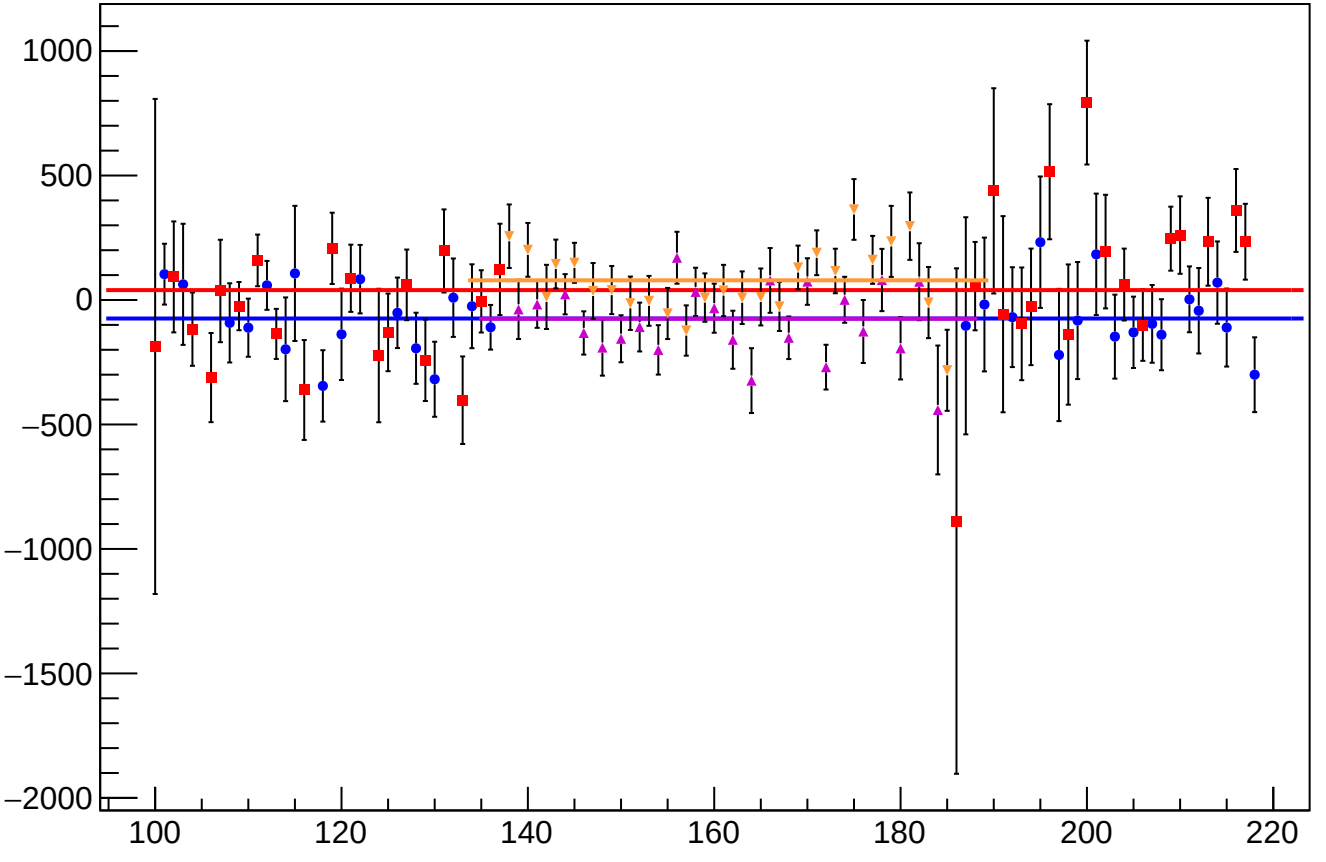
Left In: 0.000+/-0.000 χ^2/NDF:1536588.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 15986215.6/56

All: 0.000+/-0.000 χ^2/NDF: 32140622.8/115

- sign 0.000+/-0.000 χ^2/NDF: 16006205.9/58

reg_asym_sam_3748_avg_mean vs Slug



Right In: -74.364+/-27.684 χ^2/NDF: 20.9/31

Left Out: 79.098+/-21.102 χ^2/NDF:32.0/24

Right Out: 39.681+/-27.664 χ^2/NDF: 55.6/35

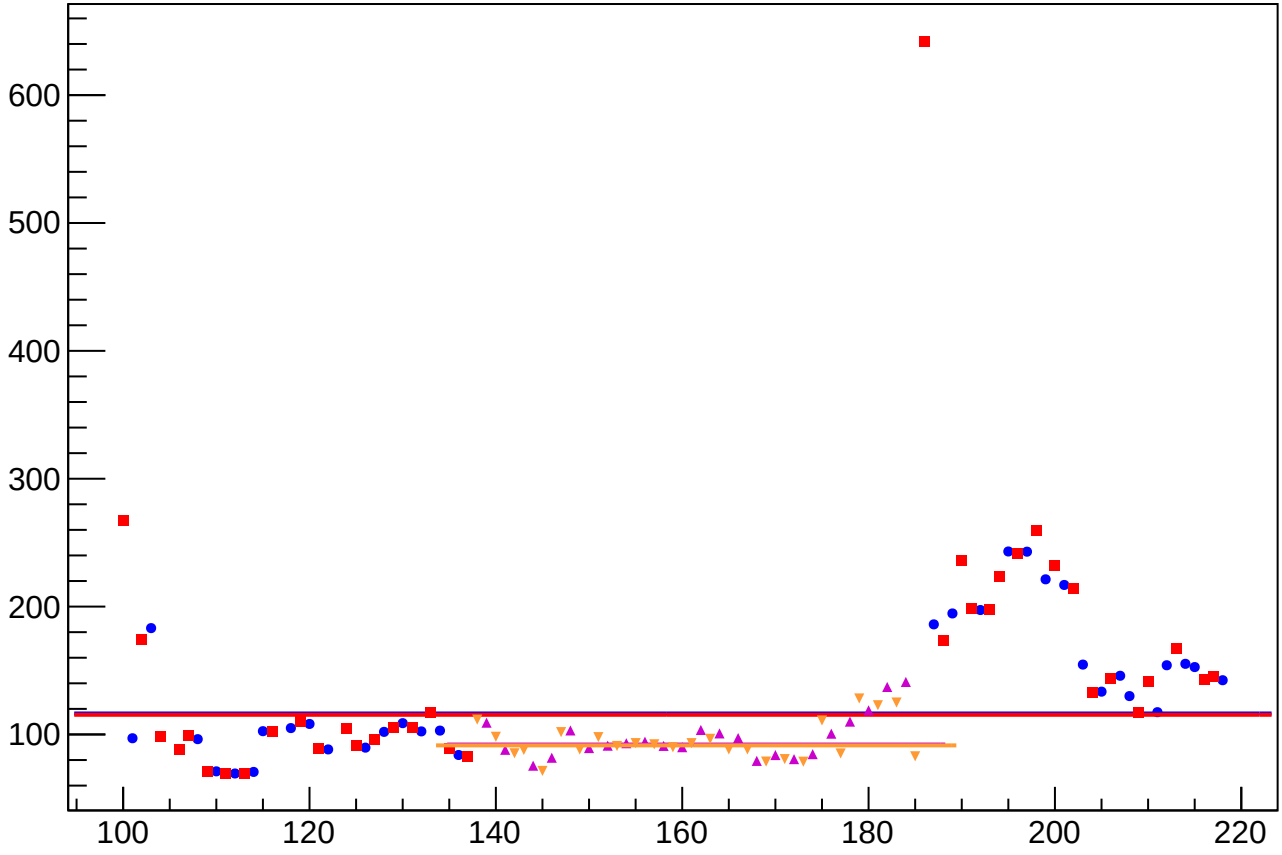
Left In: -75.048+/-21.837 χ^2/NDF:32.6/22

+ sign 22.701+/-16.783 χ^2/NDF: 72.3/56

All: -3.585+/-11.992 χ^2/NDF: 176.1/115

- sign -31.005+/-17.140 χ^2/NDF: 98.8/58

reg_asym_sam_3748_avg_rms vs Slug



Right In: 116.406+/-0.020 χ^2/NDF: 4371343.3/31

Left Out: 91.462+/-0.015 χ^2/NDF:751213.9/24

Right Out: 115.387+/-0.020 χ^2/NDF: 5789790.3/35

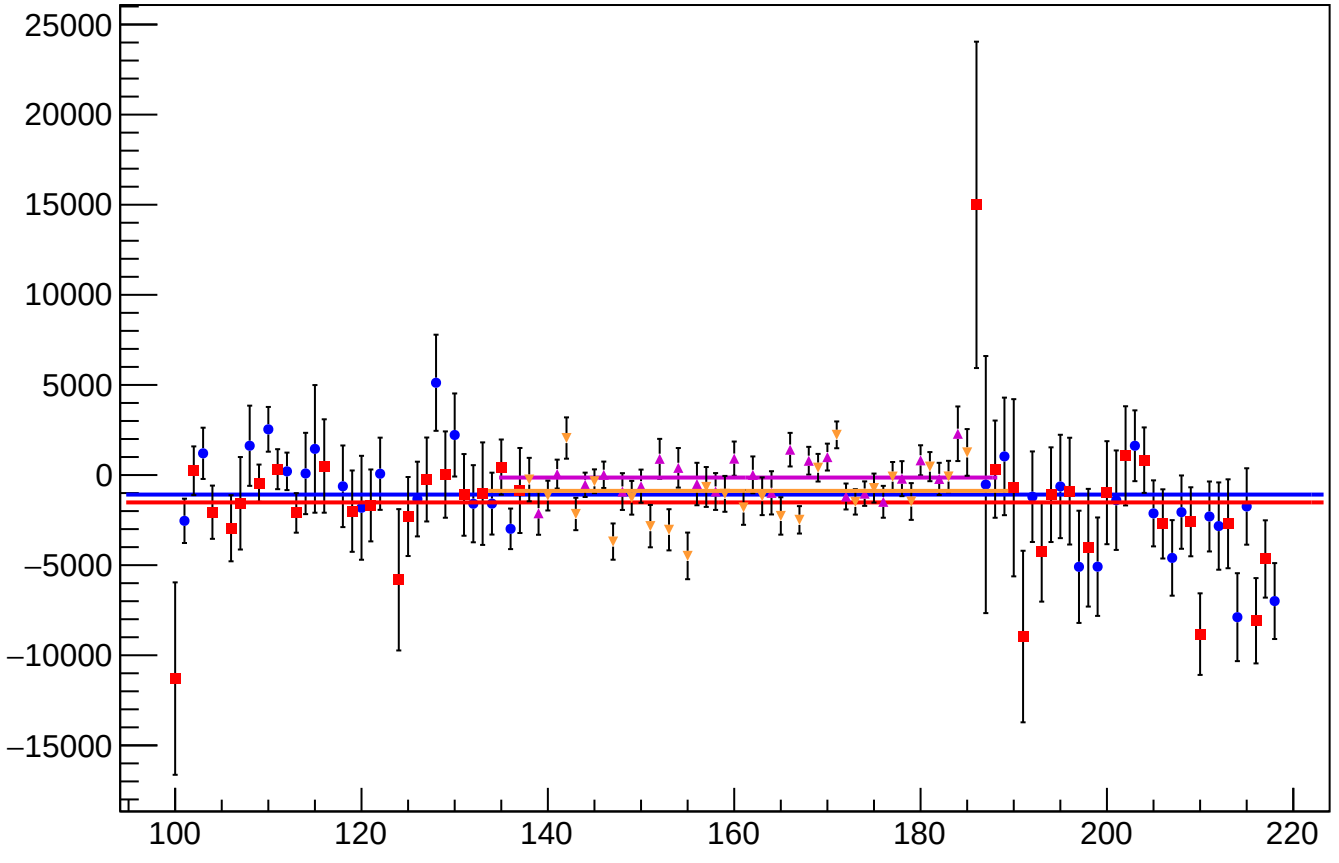
Left In: 92.100+/-0.015 χ^2/NDF:699590.1/22

+ sign 100.629+/-0.012 χ^2/NDF: 6149577.9/56

All: 100.830+/-0.008 χ^2/NDF: 13512663.3/11

- sign 101.040+/-0.012 χ^2/NDF: 7362497.4/58

asym_sam_3748_avg_reg_correction_mean vs Slug



Right In: -1083.729+/-342.590 χ^2/NDF: 53.4/31

Left Out: -878.463+/-182.188 χ^2/NDF:67.7/24

Right Out: -1518.839+/-337.093 χ^2/NDF: 46.1/35

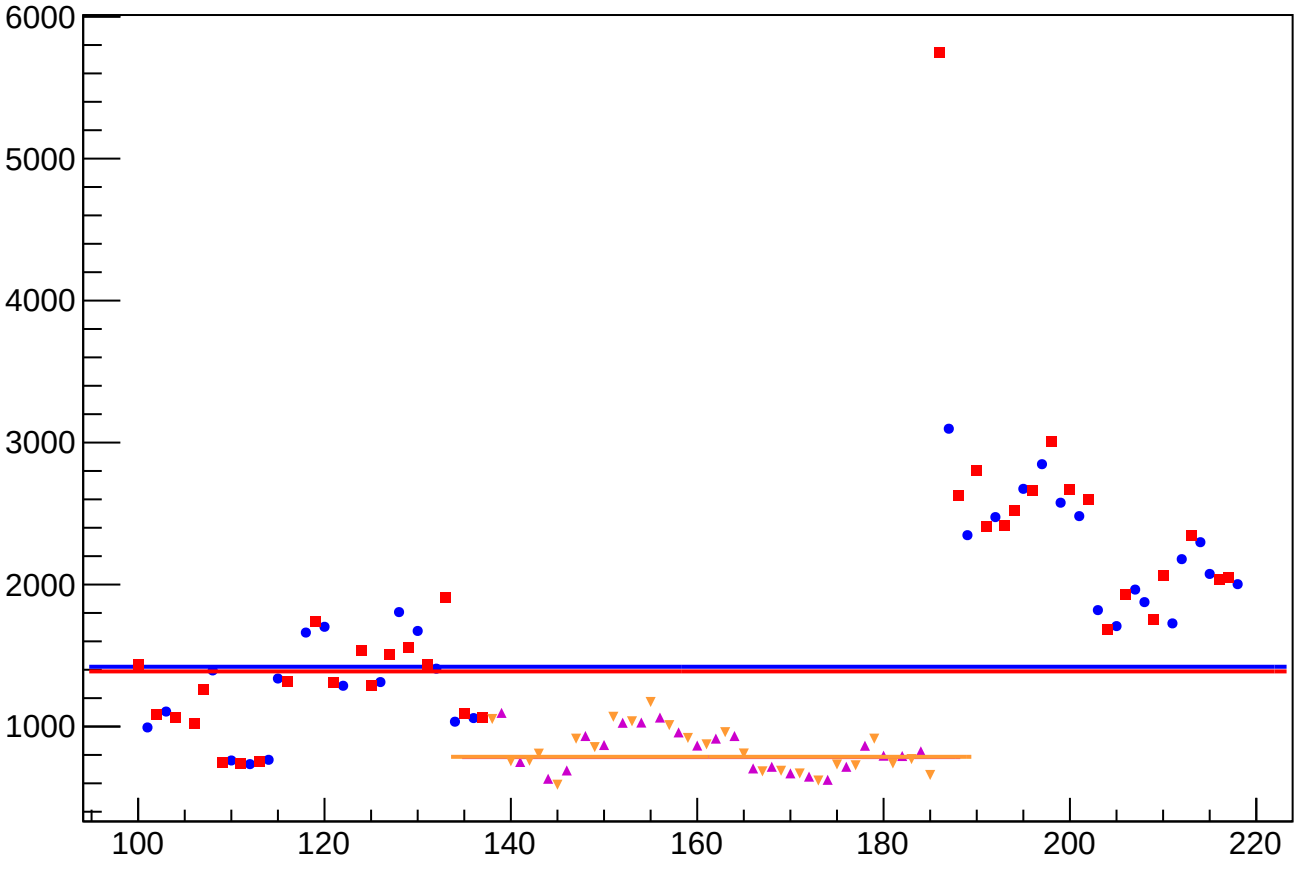
Left In: -138.728+/-186.573 χ^2/NDF:24.2/22

+ sign -923.716+/-160.856 χ^2/NDF: 121.4/56

All: -696.430+/-114.575 χ^2/NDF: 208.6/115

- sign -462.365+/-163.238 χ^2/NDF: 83.1/58

asym_sam_3748_avg_reg_correction_rms vs Slug



Right In: 1421.079+/-0.242 χ^2/NDF: 5666437.1/31

Left Out: 786.758+/-0.129 χ^2/NDF:1210893.0/24

Right Out: 1388.285+/-0.238 χ^2/NDF: 7193365.8/35

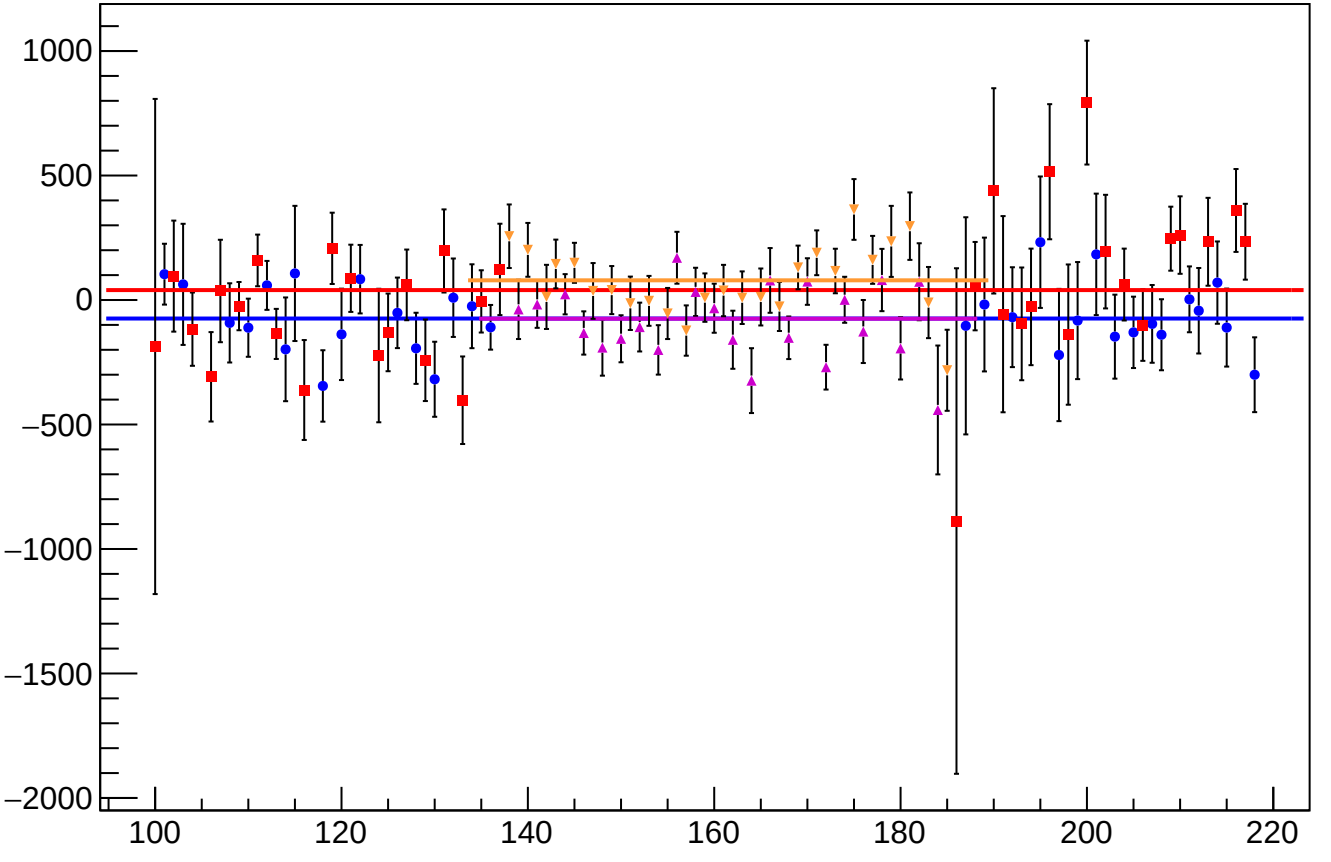
Left In: 784.833+/-0.132 χ^2/NDF:1063747.2/22

+ sign 926.600+/-0.114 χ^2/NDF: 12222208.3/56

All: 926.474+/-0.081 χ^2/NDF: 25385692.2/11

- sign 926.343+/-0.115 χ^2/NDF: 13163481.3/58

cor_asym_sam_3748_avg_mean vs Slug



Right In: -74.374+/-27.684 χ^2/NDF: 20.9/31

Left Out: 79.106+/-21.102 χ^2/NDF:32.0/24

Right Out: 39.851+/-27.666 χ^2/NDF: 55.5/35

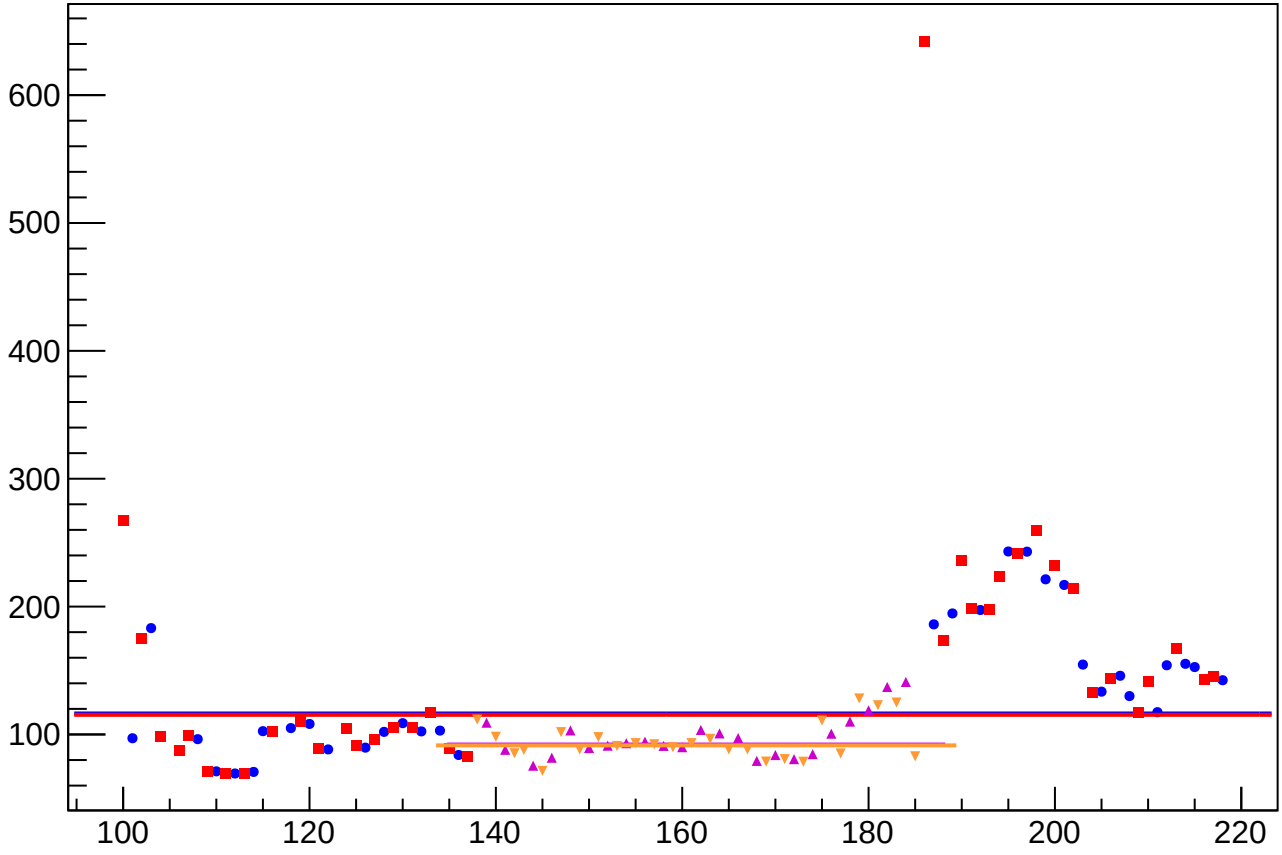
Left In: -75.049+/-21.837 χ^2/NDF:32.6/22

+ sign 22.704+/-16.783 χ^2/NDF: 72.3/56

All: -3.554+/-11.992 χ^2/NDF: 176.1/115

- sign -30.945+/-17.141 χ^2/NDF: 98.8/58

cor_asym_sam_3748_avg_rms vs Slug



Right In: 116.406+/-0.020 χ^2/NDF: 4371346.3/31

Left Out: 91.462+/-0.015 χ^2/NDF:751213.9/24

Right Out: 115.360+/-0.020 χ^2/NDF: 5794200.4/35

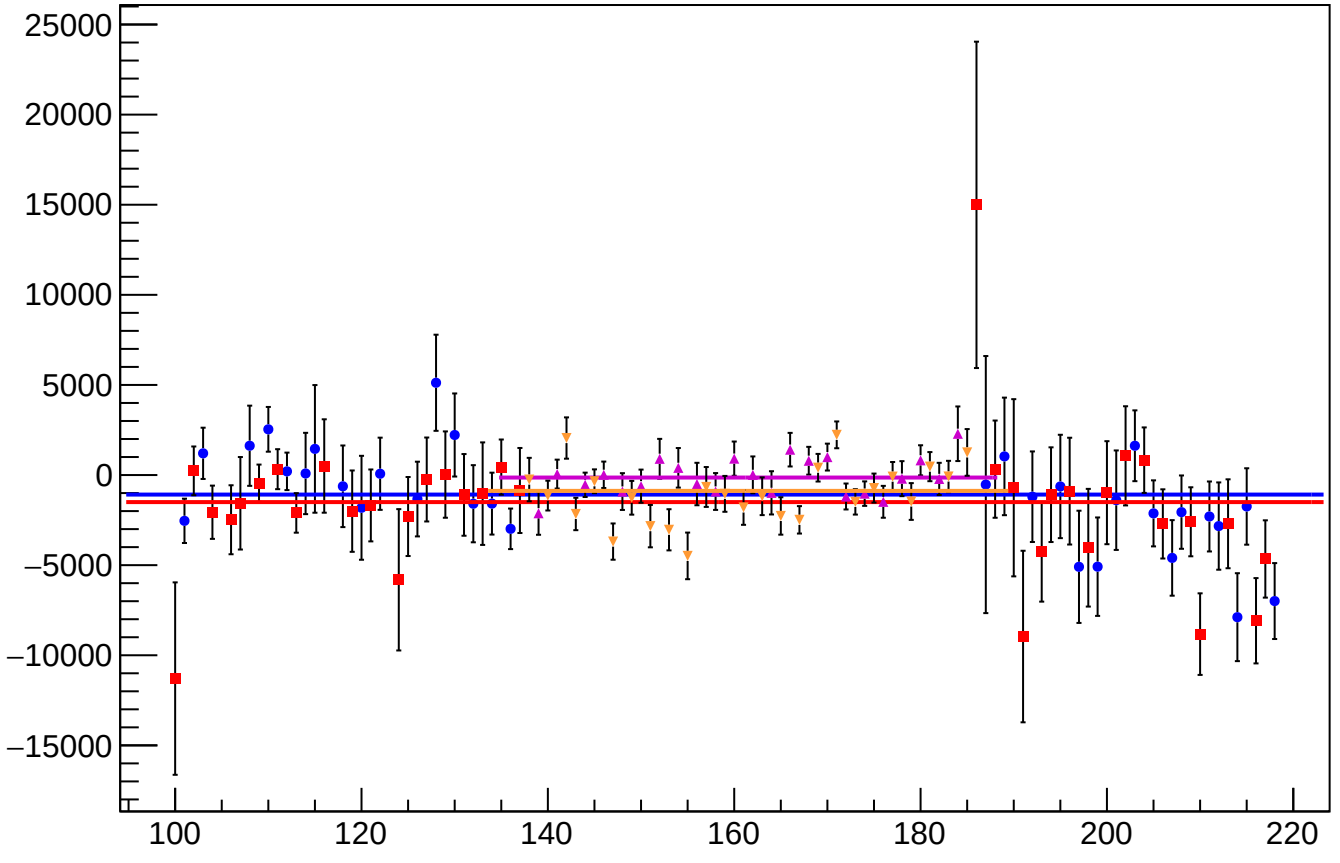
Left In: 92.100+/-0.015 χ^2/NDF:699590.1/22

+ sign 100.629+/-0.012 χ^2/NDF: 6149581.0/56

All: 100.824+/-0.008 χ^2/NDF: 13514940.7/11

- sign 101.029+/-0.012 χ^2/NDF: 7364803.3/58

asym_sam_3748_avg_cor_correction_mean vs Slug



Right In: -1083.750+/-342.591 χ^2/NDF: 53.4/31

Left Out: -878.453+/-182.188 χ^2/NDF:67.7/24

Right Out: -1500.786+/-337.573 χ^2/NDF: 45.7/35

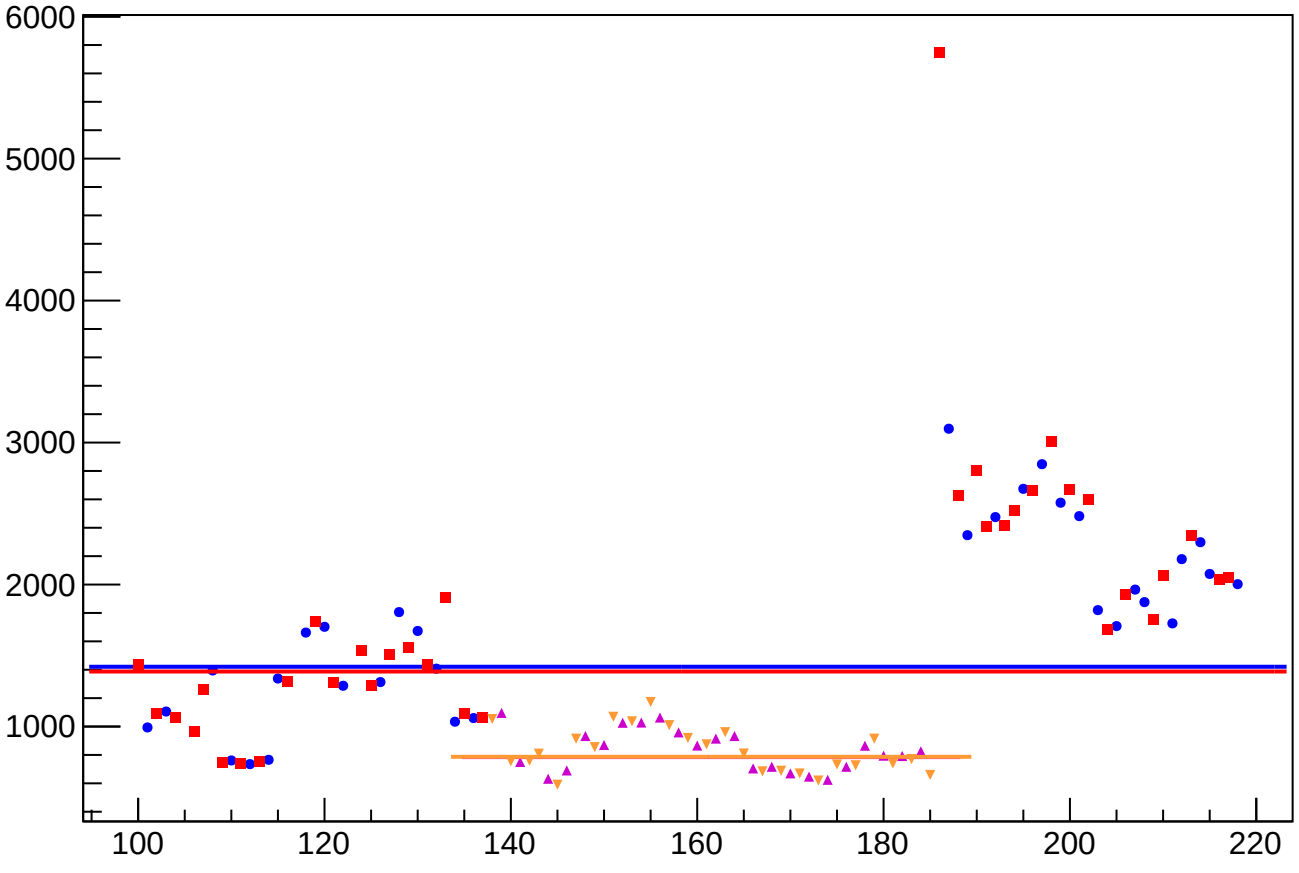
Left In: -138.730+/-186.573 χ^2/NDF:24.2/22

+ sign -923.712+/-160.857 χ^2/NDF: 121.4/56

All: -694.079+/-114.594 χ^2/NDF: 207.9/115

- sign -457.437+/-163.293 χ^2/NDF: 82.4/58

asym_sam_3748_avg_cor_correction_rms vs Slug



Right In: 1421.088+/-0.242 χ^2/NDF: 5666356.0/31

Left Out: 786.758+/-0.129 χ^2/NDF:1210893.0/24

Right Out: 1387.597+/-0.239 χ^2/NDF: 7210666.9/35

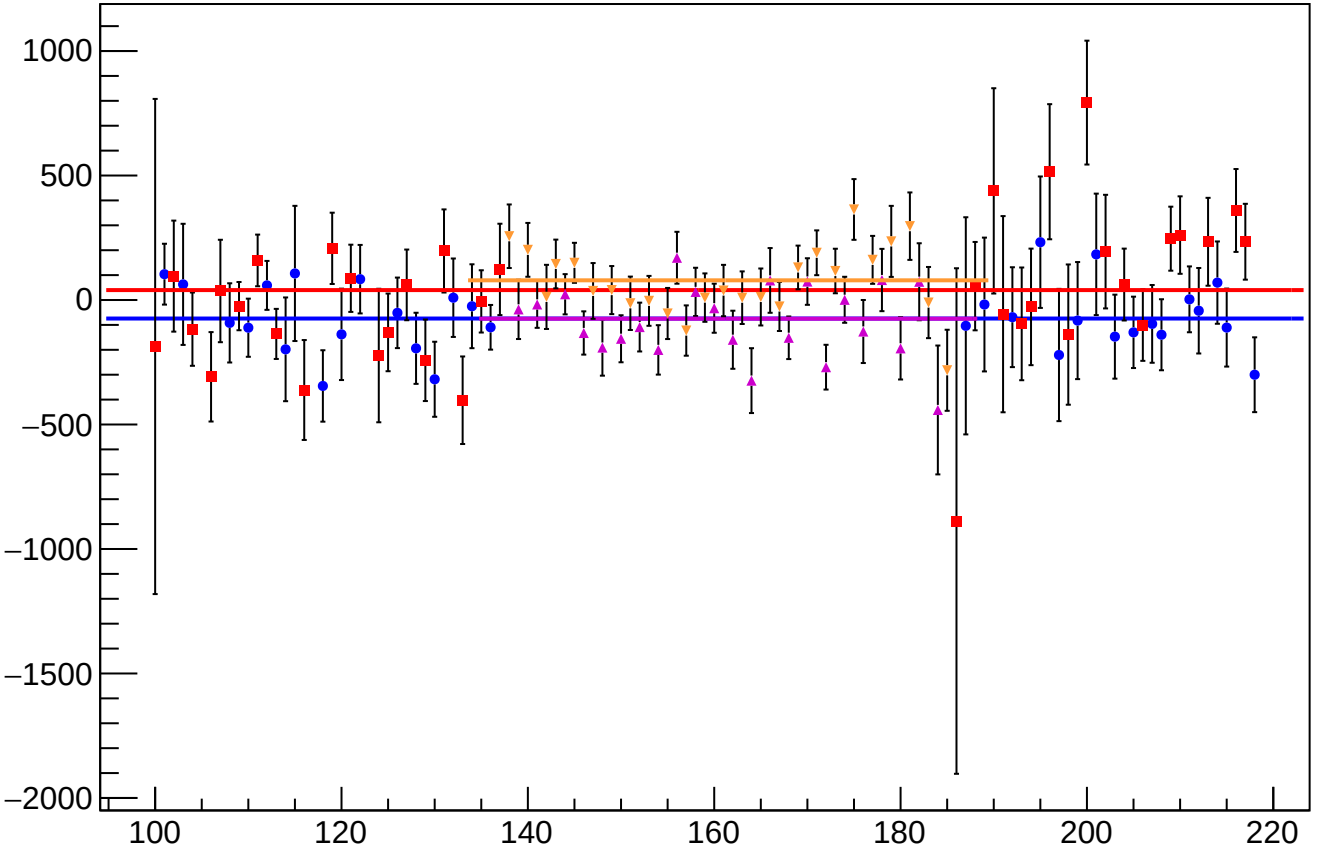
Left In: 784.833+/-0.132 χ^2/NDF:1063746.9/22

\+ sign 926.601+/-0.114 χ^2/NDF: 12222244.8/56

All: 926.243+/-0.081 χ^2/NDF: 25381204.4/11

\- sign 925.874+/-0.115 χ^2/NDF: 13158939.5/58

eigen_cor_asym_sam_3748_avg_mean vs Slug



Right In: -74.374+/-27.684 χ^2/NDF: 20.9/31

Left Out: 79.106+/-21.102 χ^2/NDF:32.0/24

Right Out: 39.851+/-27.666 χ^2/NDF: 55.5/35

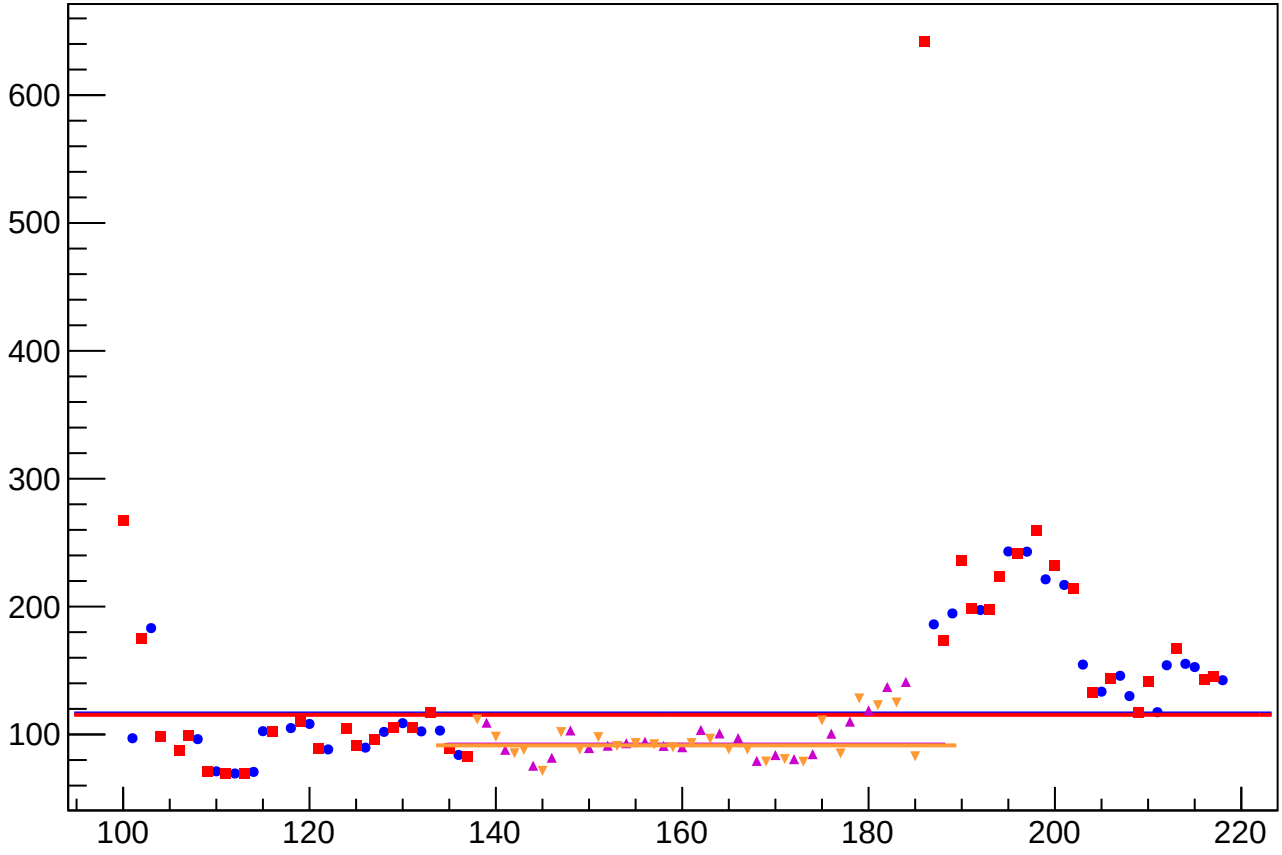
Left In: -75.049+/-21.837 χ^2/NDF:32.6/22

+ sign 22.704+/-16.783 χ^2/NDF: 72.3/56

All: -3.554+/-11.992 χ^2/NDF: 176.1/115

- sign -30.945+/-17.141 χ^2/NDF: 98.8/58

eigen_cor_asym_sam_3748_avg_rms vs Slug



Right In: 116.406+/-0.020 χ^2/NDF: 4371346.3/31

Left Out: 91.462+/-0.015 χ^2/NDF:751213.9/24

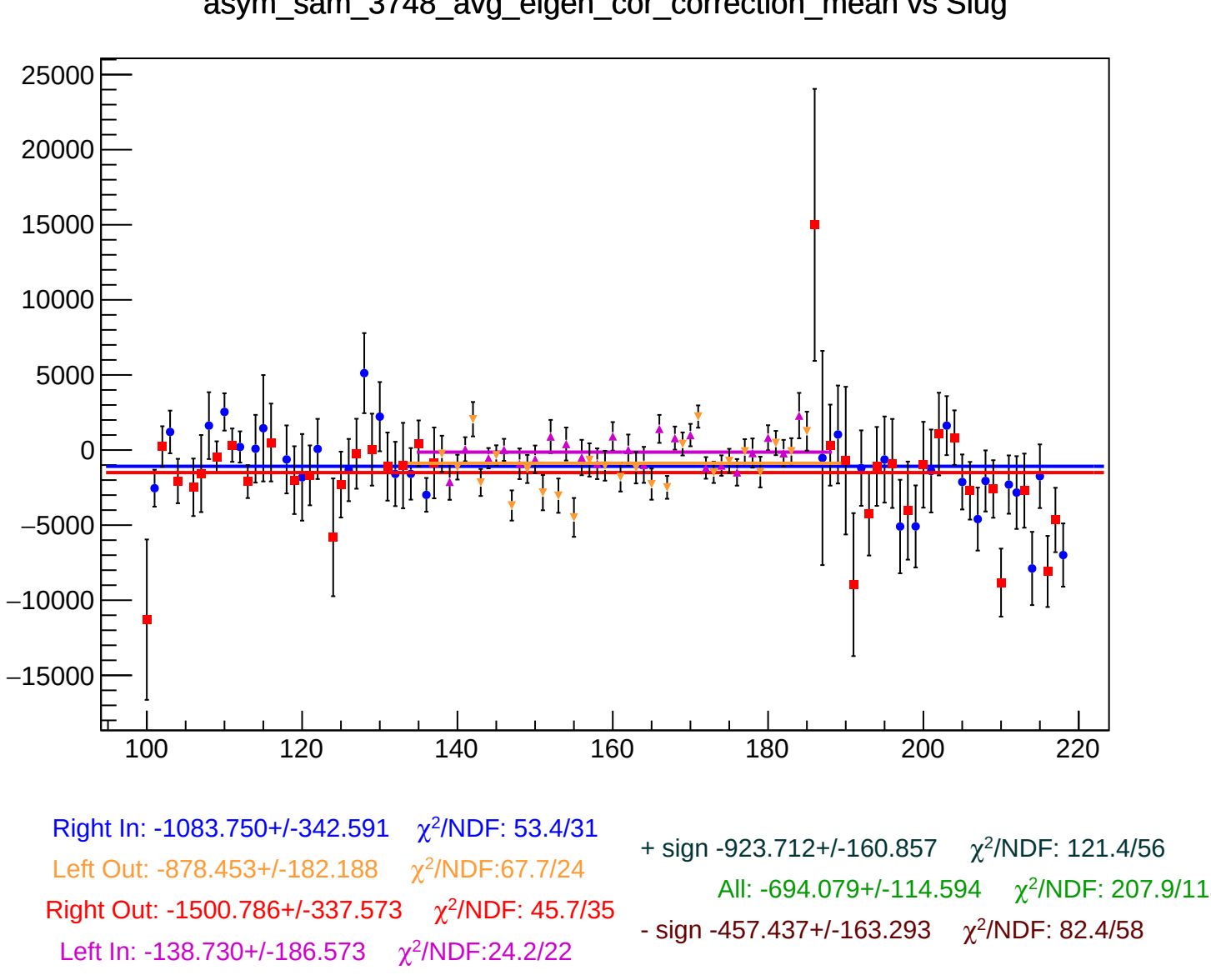
Right Out: 115.360+/-0.020 χ^2/NDF: 5794200.4/35

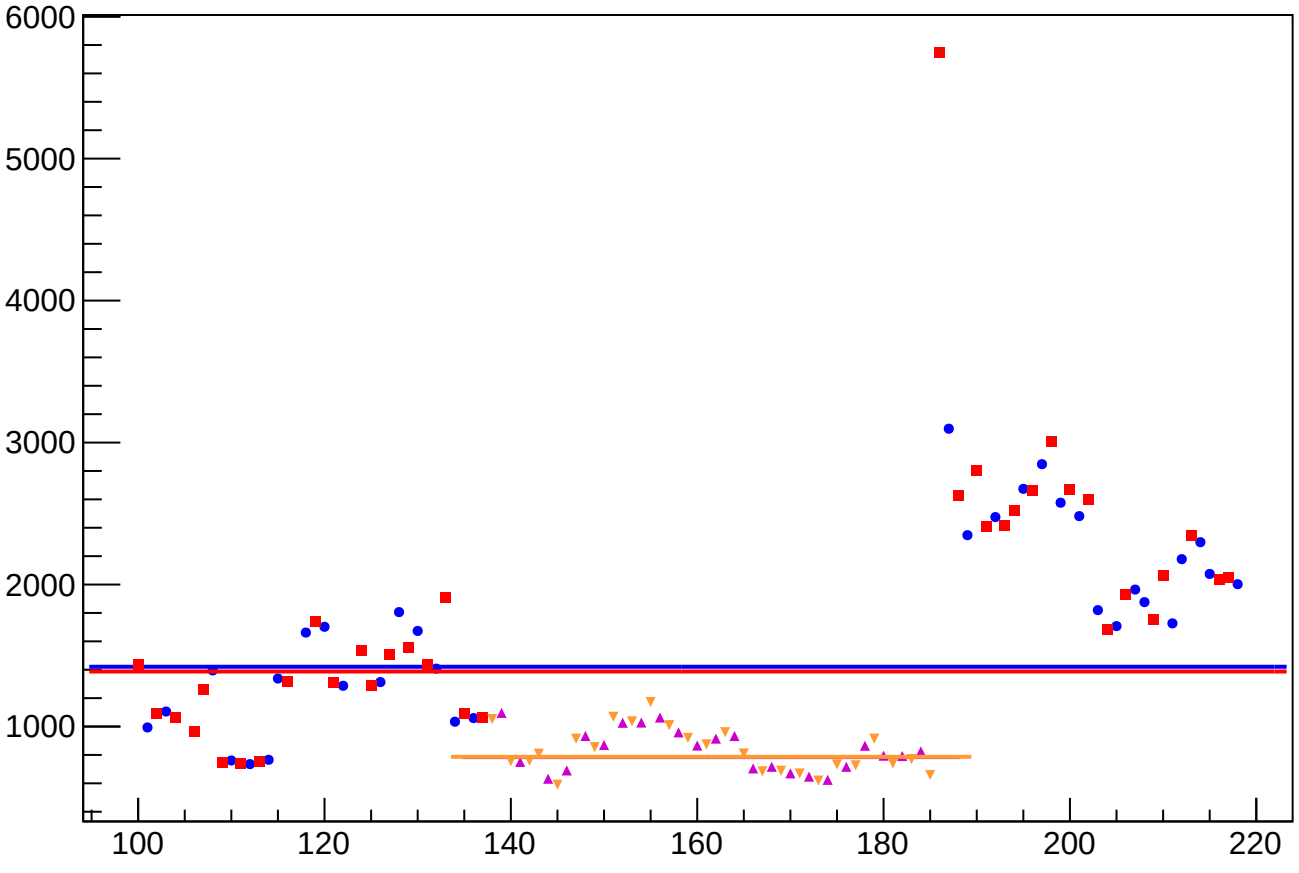
Left In: 92.100+/-0.015 χ^2/NDF:699590.1/22

+ sign 100.629+/-0.012 χ^2/NDF: 6149581.0/56

All: 100.824+/-0.008 χ^2/NDF: 13514940.7/11

- sign 101.029+/-0.012 χ^2/NDF: 7364803.3/58


asym_sam_3748_avg_eigen_cor_correction_mean vs Slug
25000
20000
15000
10000
5000
0
−5000
−10000
−15000
100
120
140
160
180
200
220
Right In: -1083.750+/-342.591 χ²/NDF: 53.4/31
Left Out: -878.453+/-182.188 χ²/NDF:67.7/24
Right Out: -1500.786+/-337.573 χ²/NDF: 45.7/35
Left In: -138.730+/-186.573 χ²/NDF:24.2/22
+ sign -923.712+/-160.857 χ²/NDF: 121.4/56
All: -694.079+/-114.594 χ²/NDF: 207.9/115
- sign -457.437+/-163.293 χ²/NDF: 82.4/58



Right In: 1421.088+/-0.242 χ^2/NDF: 5666356.0/31

Left Out: 786.758+/-0.129 χ^2/NDF:1210893.0/24

Right Out: 1387.597+/-0.239 χ^2/NDF: 7210666.9/35

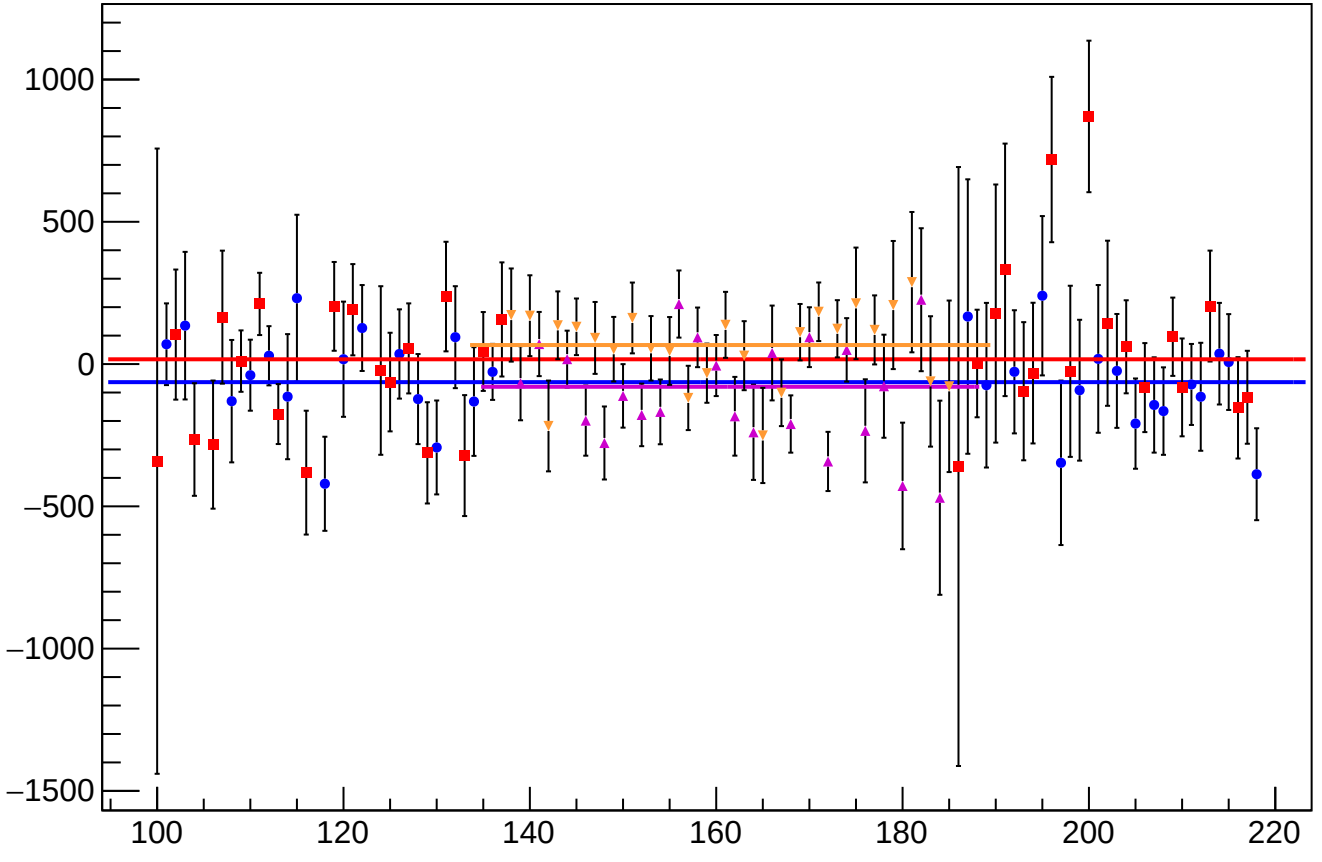
Left In: 784.833+/-0.132 χ^2/NDF:1063746.9/22

+ sign 926.601+/-0.114 χ^2/NDF: 12222244.8/56

All: 926.243+/-0.081 χ^2/NDF: 25381204.4/11

- sign 925.874+/-0.115 χ^2/NDF: 13158939.5/58

dit_asym_sam_3748_avg_mean vs Slug



Right In: -63.514+/-30.485 χ^2/NDF: 22.0/31

Left Out: 66.896+/-25.584 χ^2/NDF:19.6/24

Right Out: 16.781+/-30.601 χ^2/NDF: 46.0/35

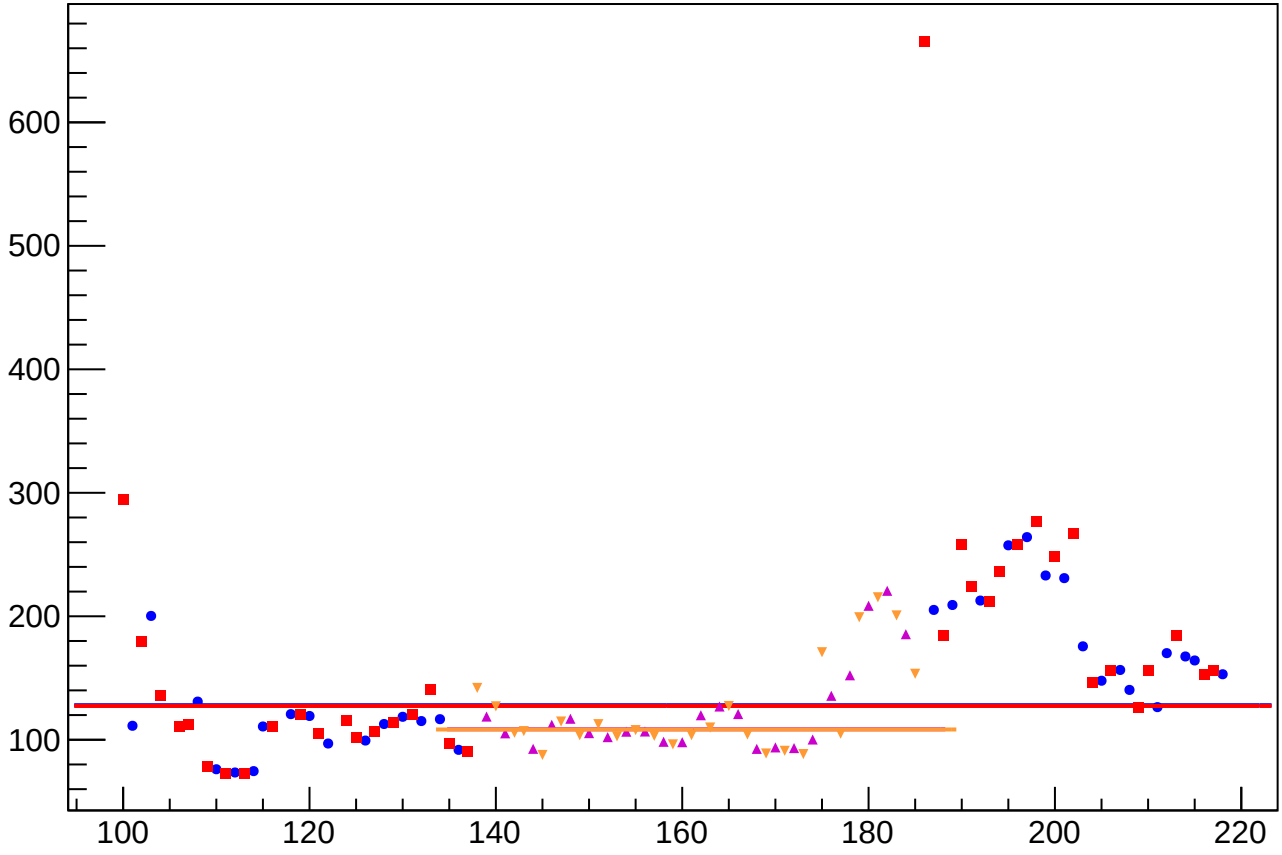
Left In: -79.766+/-26.299 χ^2/NDF:36.9/22

+ sign 13.004+/-19.597 χ^2/NDF: 52.3/56

All: -12.418+/-13.979 χ^2/NDF: 144.4/115

- sign -38.751+/-19.945 χ^2/NDF: 88.6/58

dit_asym_sam_3748_avg_rms vs Slug



Right In: 127.984+/-0.022 χ^2/NDF: 4286977.6/31

Left Out: 108.330+/-0.018 χ^2/NDF:1774599.9/24

Right Out: 127.370+/-0.022 χ^2/NDF: 5733451.9/35

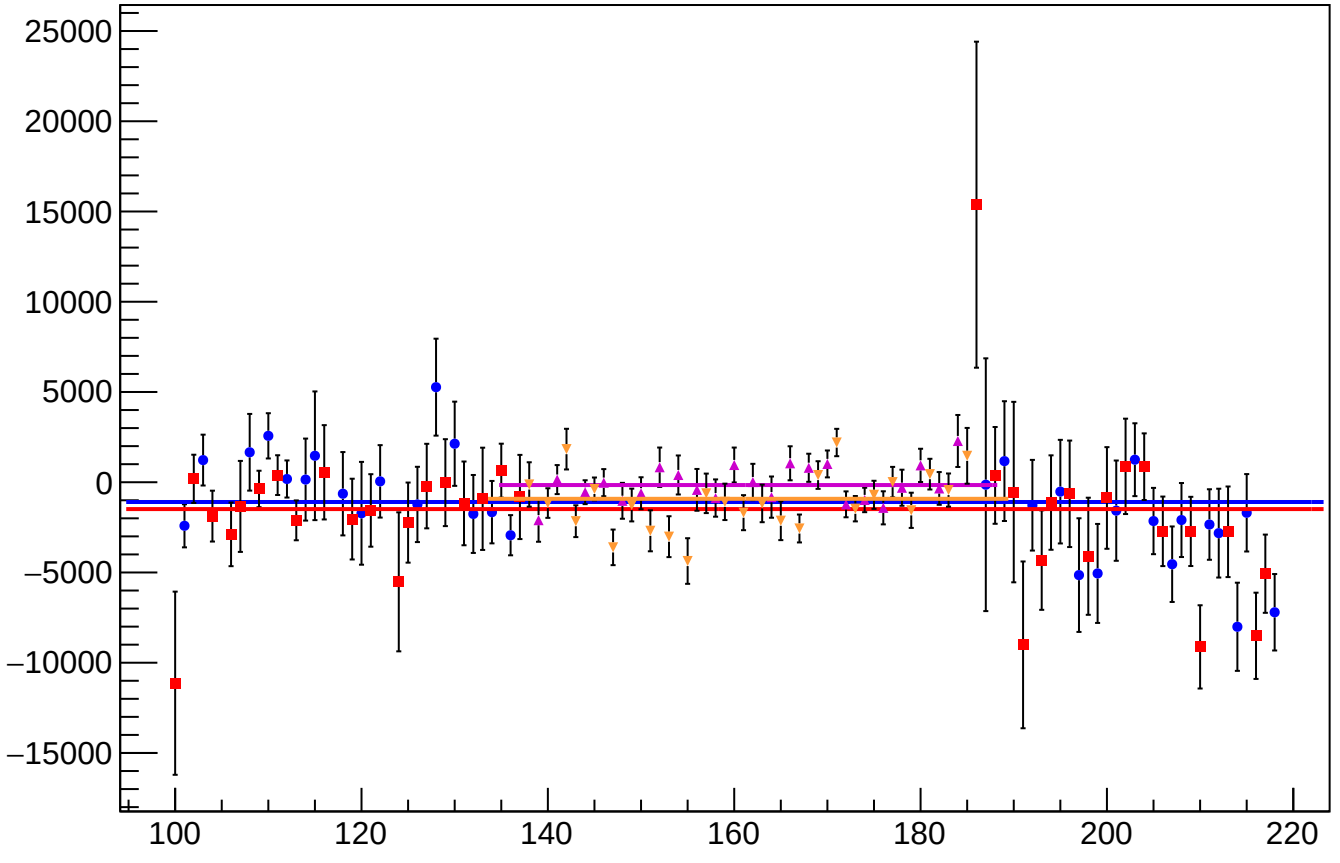
Left In: 108.492+/-0.019 χ^2/NDF:1379398.3/22

+ sign 116.452+/-0.014 χ^2/NDF: 6549343.9/56

All: 116.482+/-0.010 χ^2/NDF: 14099996.3/11

- sign 116.512+/-0.014 χ^2/NDF: 7550643.2/58

asym_sam_3748_avg_dit_correction_mean vs Slug



Right In: -1095.159+/-342.046 χ^2/NDF: 53.6/31

Left Out: -918.735+/-182.461 χ^2/NDF:64.1/24

Right Out: -1487.560+/-334.550 χ^2/NDF: 49.4/35

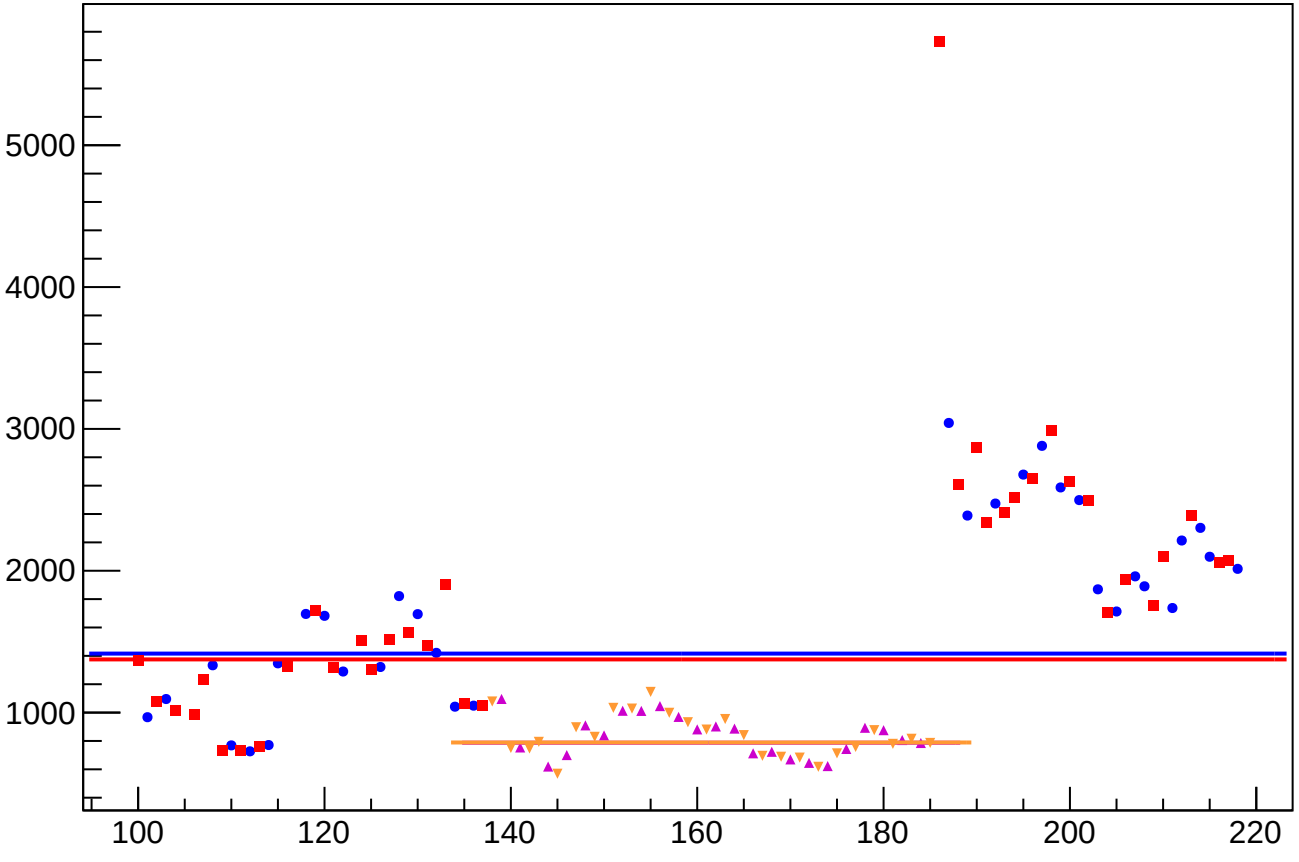
Left In: -155.874+/-187.116 χ^2/NDF:23.1/22

+ sign -957.817+/-160.988 χ^2/NDF: 117.9/56

All: -718.971+/-114.647 χ^2/NDF: 207.0/115

- sign -473.191+/-163.308 χ^2/NDF: 84.6/58

asym_sam_3748_avg_dit_correction_rms vs Slug



Right In: 1415.928+/-0.242 χ^2/NDF: 5833408.6/31

Left Out: 789.250+/-0.129 χ^2/NDF:1176799.1/24

Right Out: 1374.922+/-0.237 χ^2/NDF: 7354284.7/35

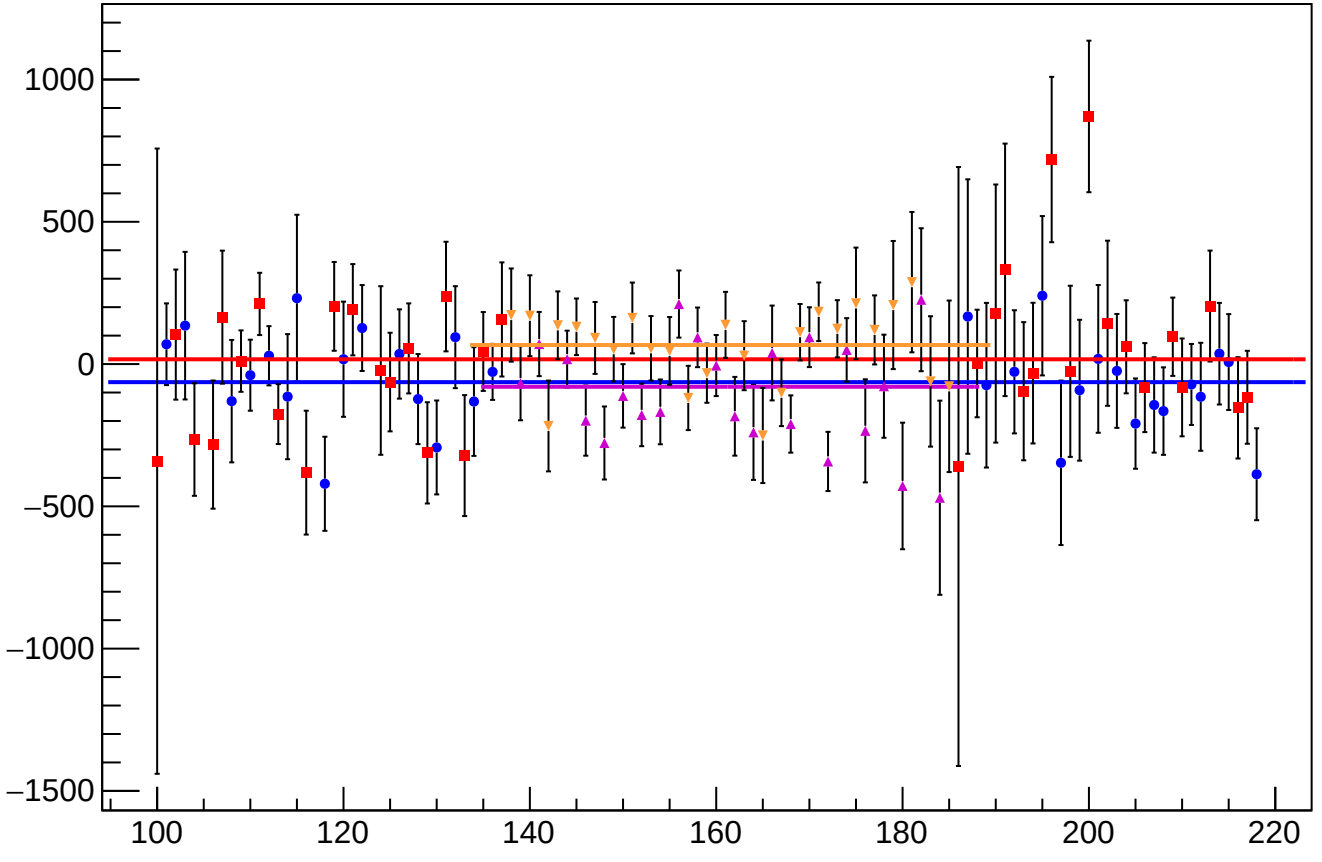
Left In: 787.390+/-0.132 χ^2/NDF:1041390.9/22

+ sign 928.073+/-0.114 χ^2/NDF: 12236534.4/56

All: 927.736+/-0.081 χ^2/NDF: 25330791.4/11

- sign 927.388+/-0.115 χ^2/NDF: 13094239.1/58

eigen_dit_asym_sam_3748_avg_mean vs Slug



Right In: -63.512+/-30.485 χ^2/NDF: 22.0/31

Left Out: 66.898+/-25.584 χ^2/NDF:19.6/24

Right Out: 16.783+/-30.601 χ^2/NDF: 46.0/35

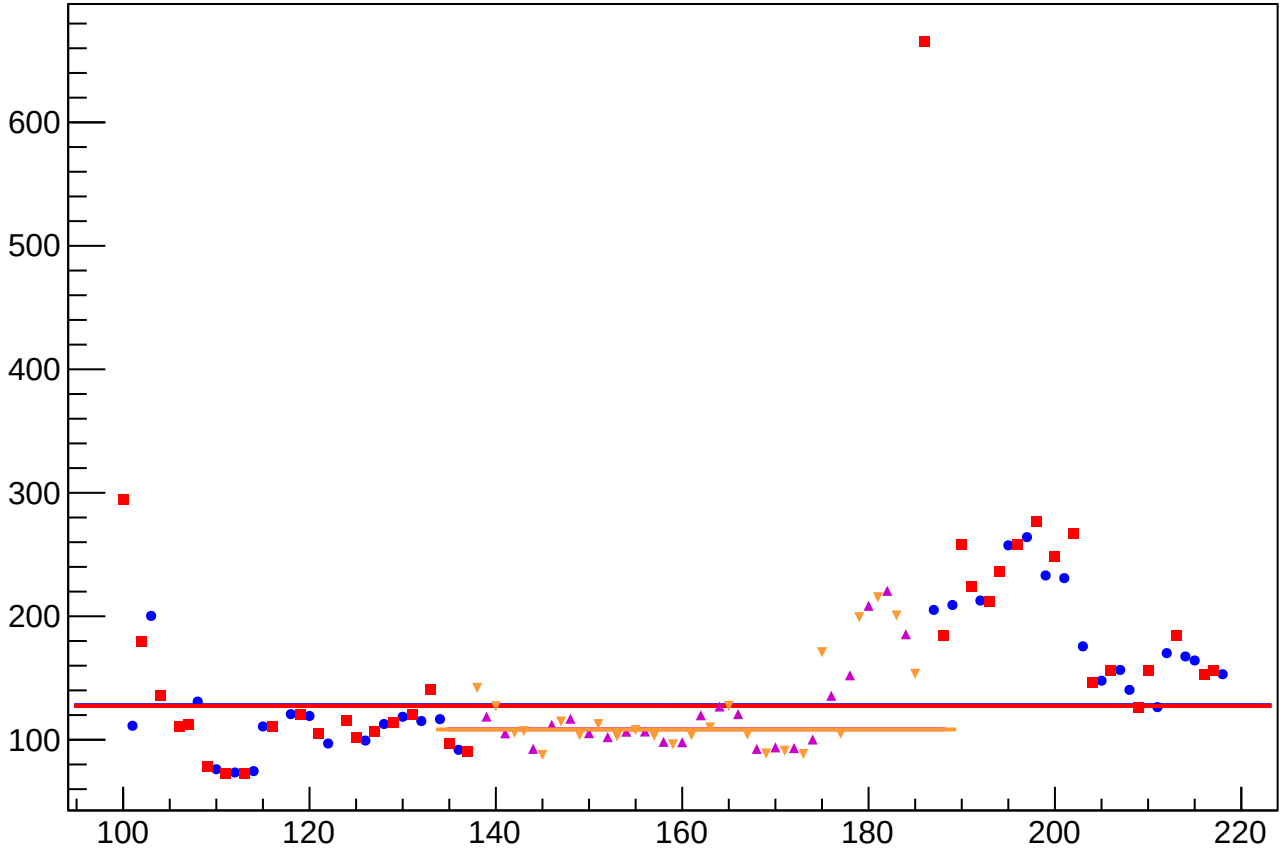
Left In: -79.766+/-26.299 χ^2/NDF:36.9/22

+ sign 13.006+/-19.597 χ^2/NDF: 52.3/56

All: -12.416+/-13.979 χ^2/NDF: 144.4/115

- sign -38.750+/-19.945 χ^2/NDF: 88.6/58

eigen_dit_asym_sam_3748_avg_rms vs Slug



Right In: 127.984+/-0.022 χ^2/NDF: 4286960.4/31

Left Out: 108.330+/-0.018 χ^2/NDF:1774594.6/24

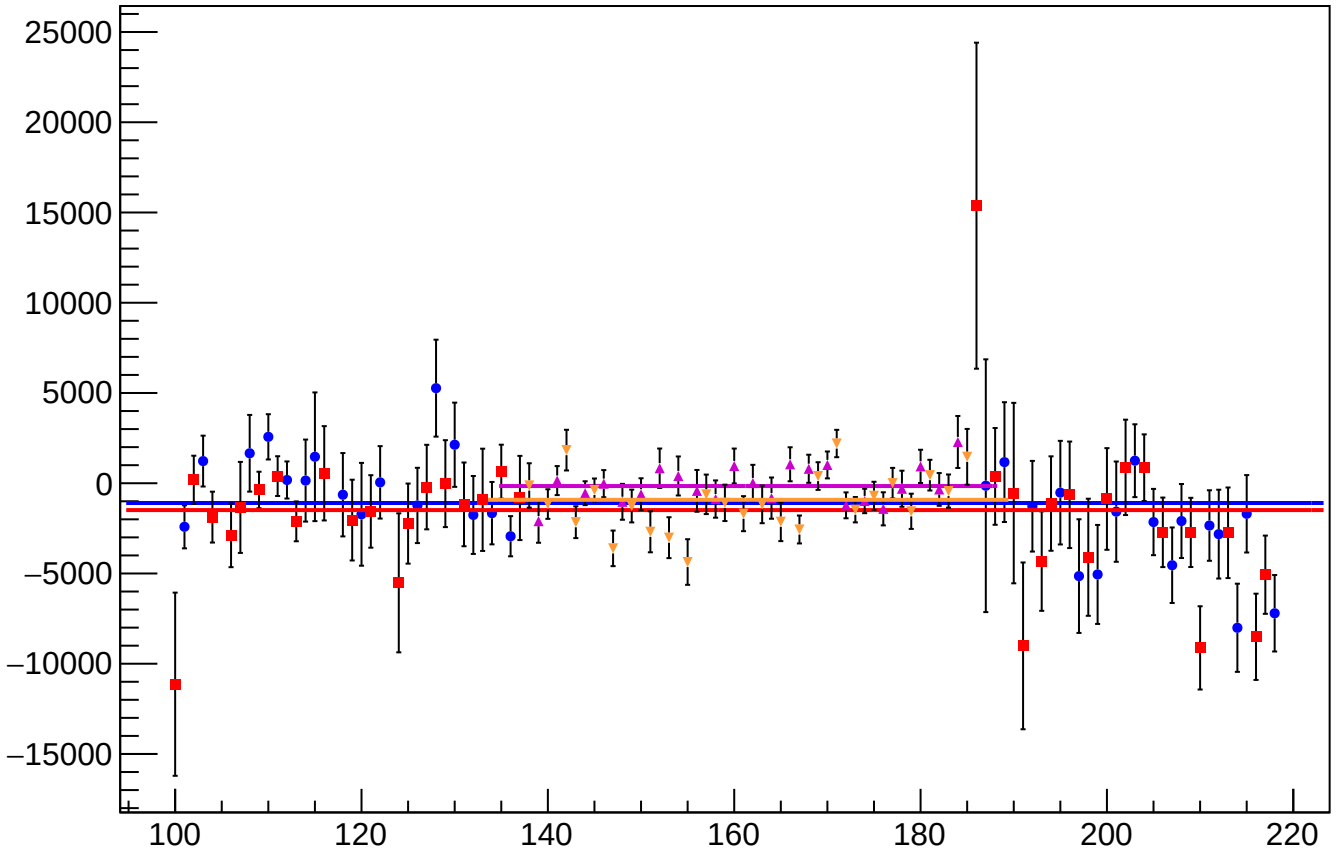
Right Out: 127.370+/-0.022 χ^2/NDF: 5733449.6/35

Left In: 108.493+/-0.019 χ^2/NDF:1379379.3/22

+ sign 116.452+/-0.014 χ^2/NDF: 6549311.1/56

All: 116.482+/-0.010 χ^2/NDF: 14099932.7/11

- sign 116.512+/-0.014 χ^2/NDF: 7550612.4/58



Right In: -1095.156+/-342.046 χ^2/NDF: 53.6/31

Left Out: -918.734+/-182.461 χ^2/NDF:64.1/24

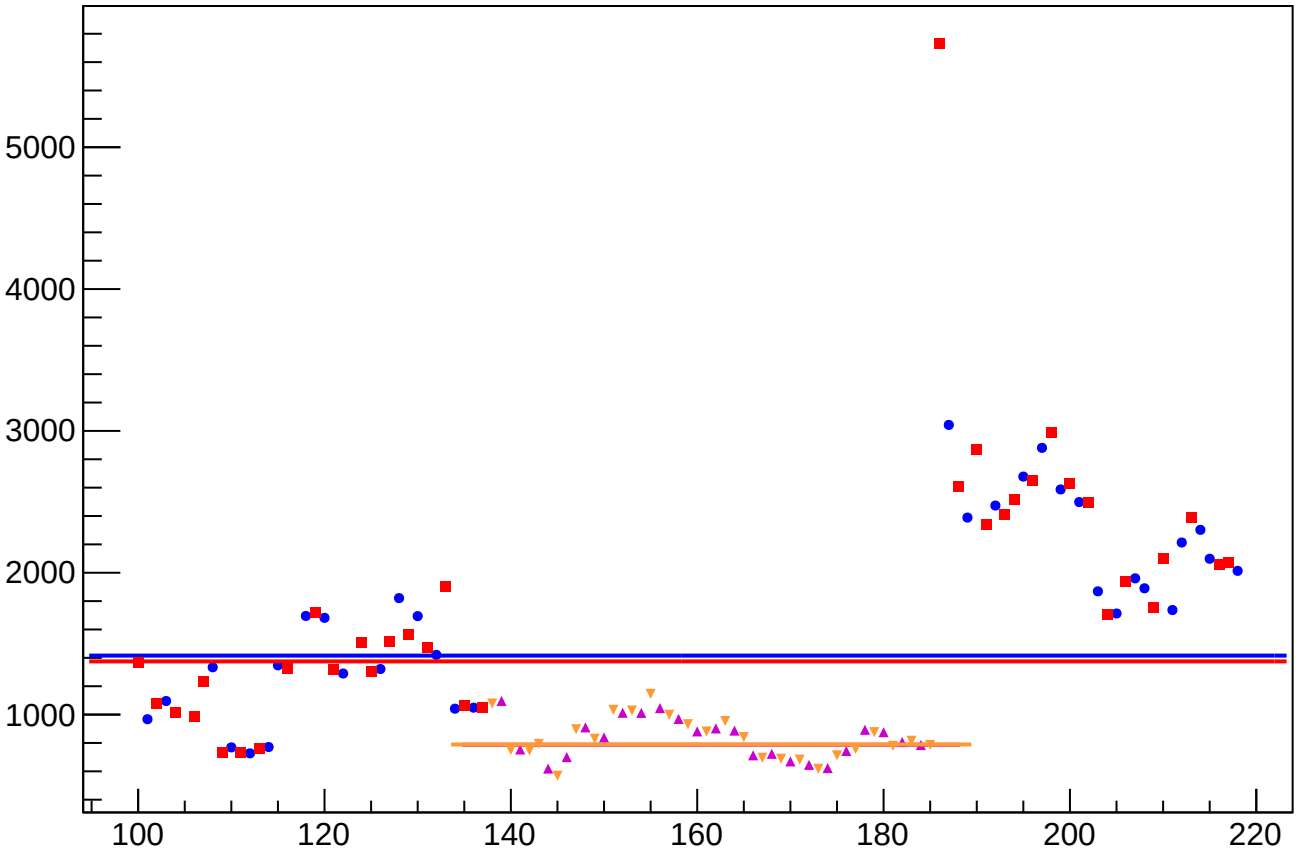
Right Out: -1487.557+/-334.550 χ^2/NDF: 49.4/35

Left In: -155.873+/-187.115 χ^2/NDF:23.1/22

\+ sign -957.815+/-160.988 χ^2/NDF: 117.9/56

All: -718.969+/-114.647 χ^2/NDF: 207.0/115

\- sign -473.190+/-163.308 χ^2/NDF: 84.6/58



Right In: 1415.926+/-0.242 χ^2/NDF: 5833422.6/31

Left Out: 789.248+/-0.129 χ^2/NDF:1176801.9/24

Right Out: 1374.920+/-0.237 χ^2/NDF: 7354294.2/35

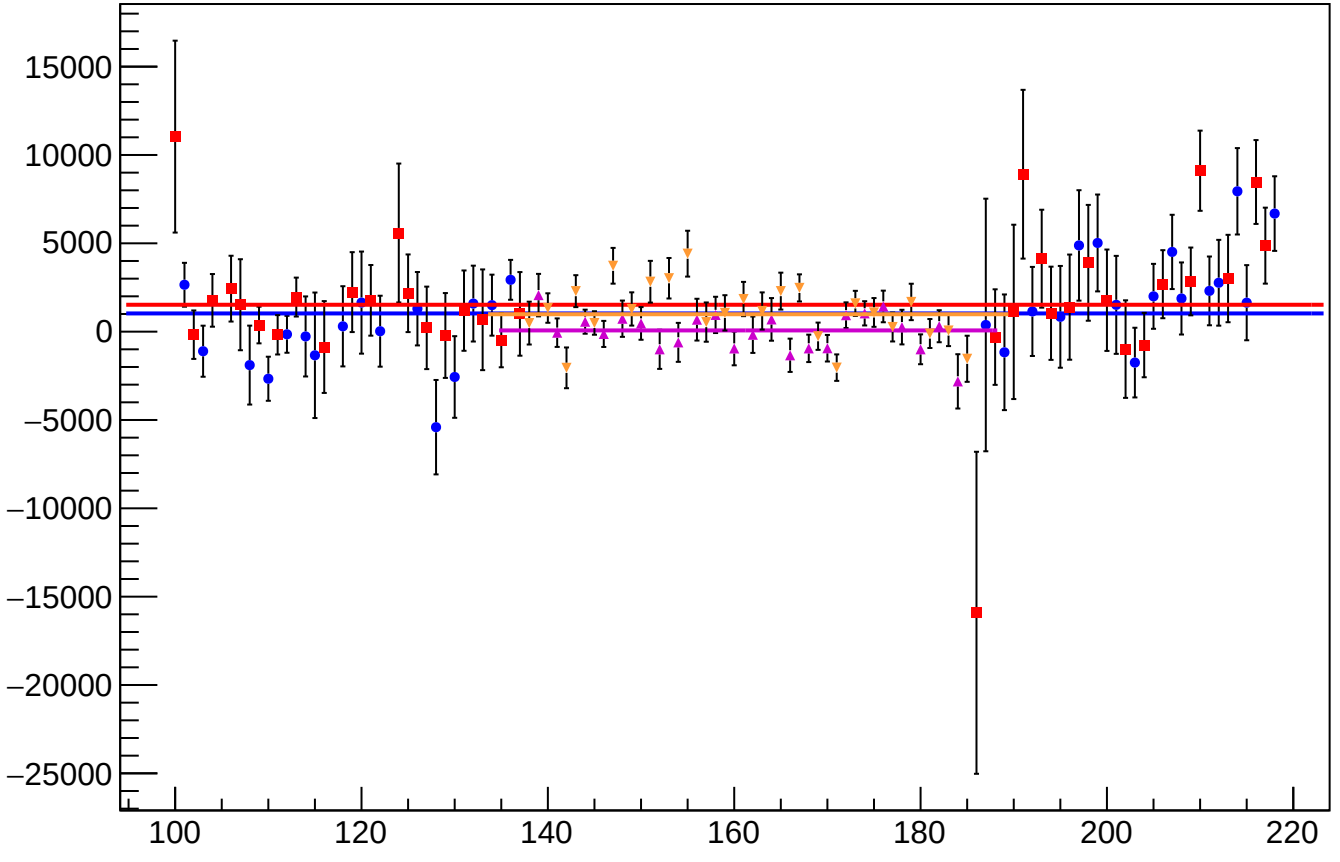
Left In: 787.388+/-0.132 χ^2/NDF:1041391.2/22

+ sign 928.071+/-0.114 χ^2/NDF: 12236552.7/56

All: 927.734+/-0.081 χ^2/NDF: 25330822.7/11

- sign 927.387+/-0.115 χ^2/NDF: 13094252.1/58

asym_sam_3748_avg_mean vs Slug



Right In: 1031.264+/-344.176 χ^2/NDF: 53.6/31

Left Out: 985.656+/-183.601 χ^2/NDF:63.7/24

Right Out: 1522.267+/-338.753 χ^2/NDF: 47.1/35

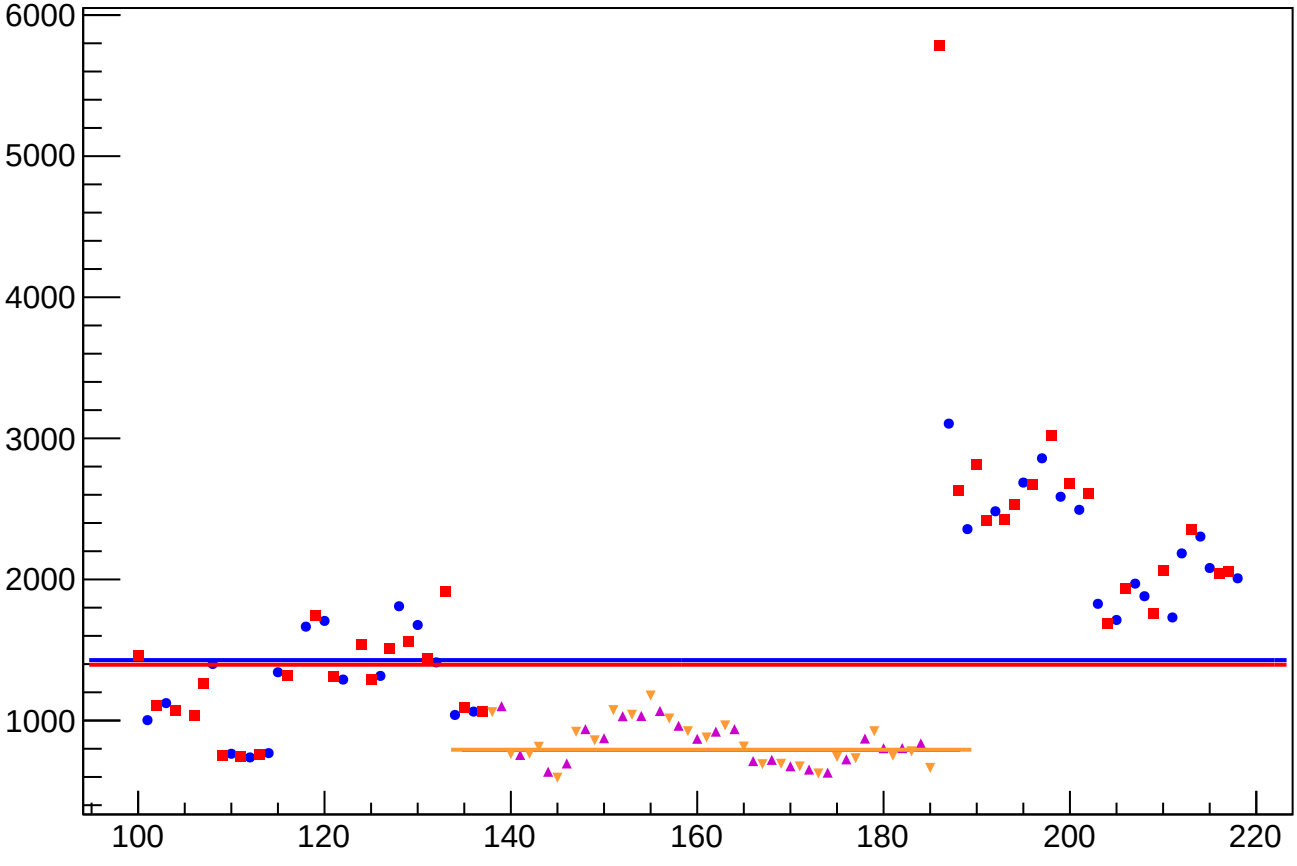
Left In: 70.089+/-188.036 χ^2/NDF:24.4/22

+ sign 995.760+/-161.993 χ^2/NDF: 117.3/56

All: 708.262+/-115.390 χ^2/NDF: 209.3/115

- sign 412.137+/-164.406 χ^2/NDF: 85.6/58

asym_sam_3748_avg_rms vs Slug



Right In: 1428.319+/-0.243 χ^2/NDF: 5635295.3/31

Left Out: 793.051+/-0.130 χ^2/NDF:1193972.3/24

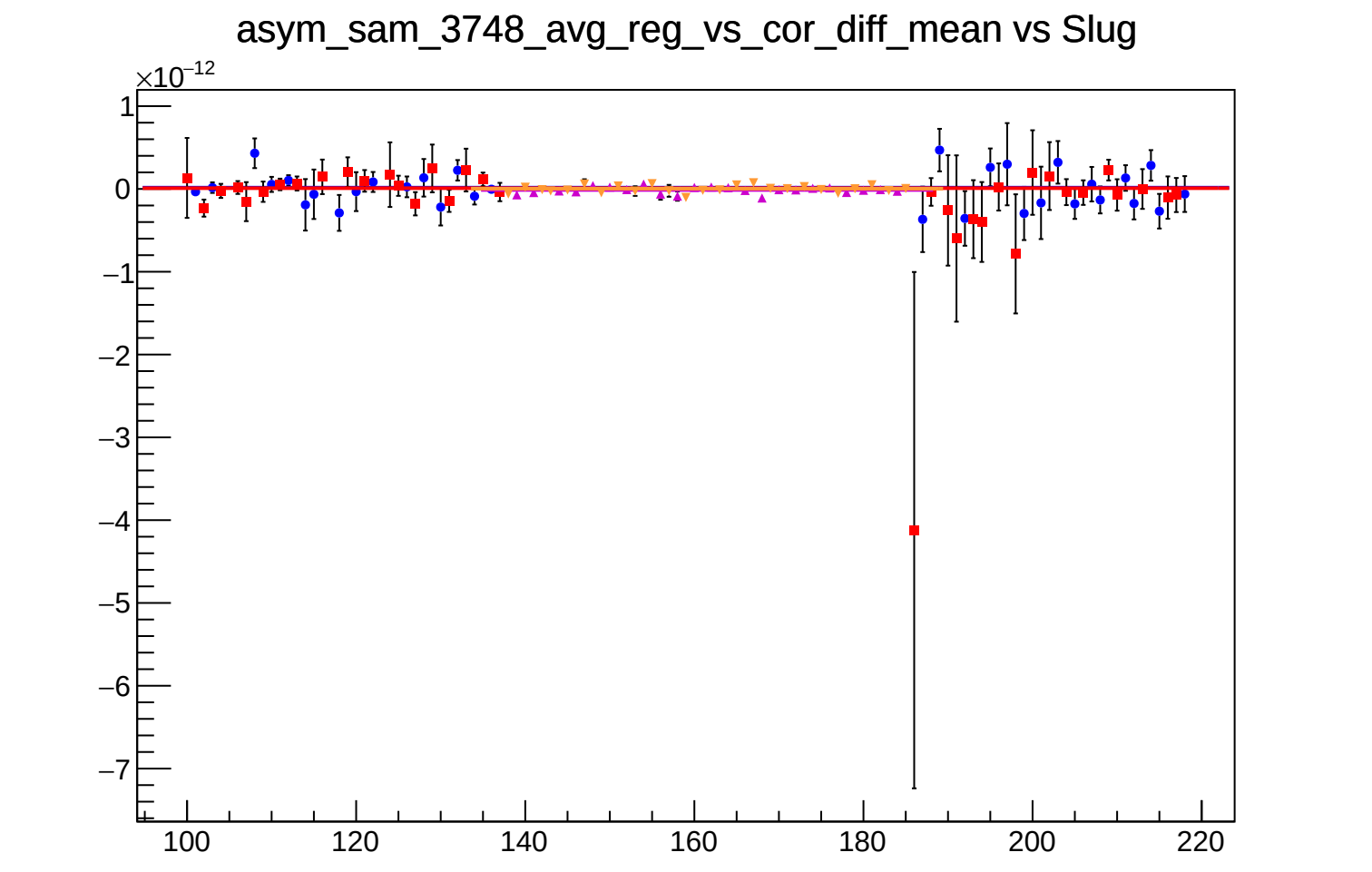
Right Out: 1395.557+/-0.240 χ^2/NDF: 7163344.0/35

Left In: 791.155+/-0.133 χ^2/NDF:1049107.7/22

+ sign 933.782+/-0.115 χ^2/NDF: 12133533.1/56

All: 933.651+/-0.082 χ^2/NDF: 25213066.9/11

- sign 933.517+/-0.116 χ^2/NDF: 13079531.1/58



Right In: 0.000+/-0.000 χ^2/NDF: 33.9/31

Left Out: 0.000+/-0.000 χ^2/NDF:34.0/24

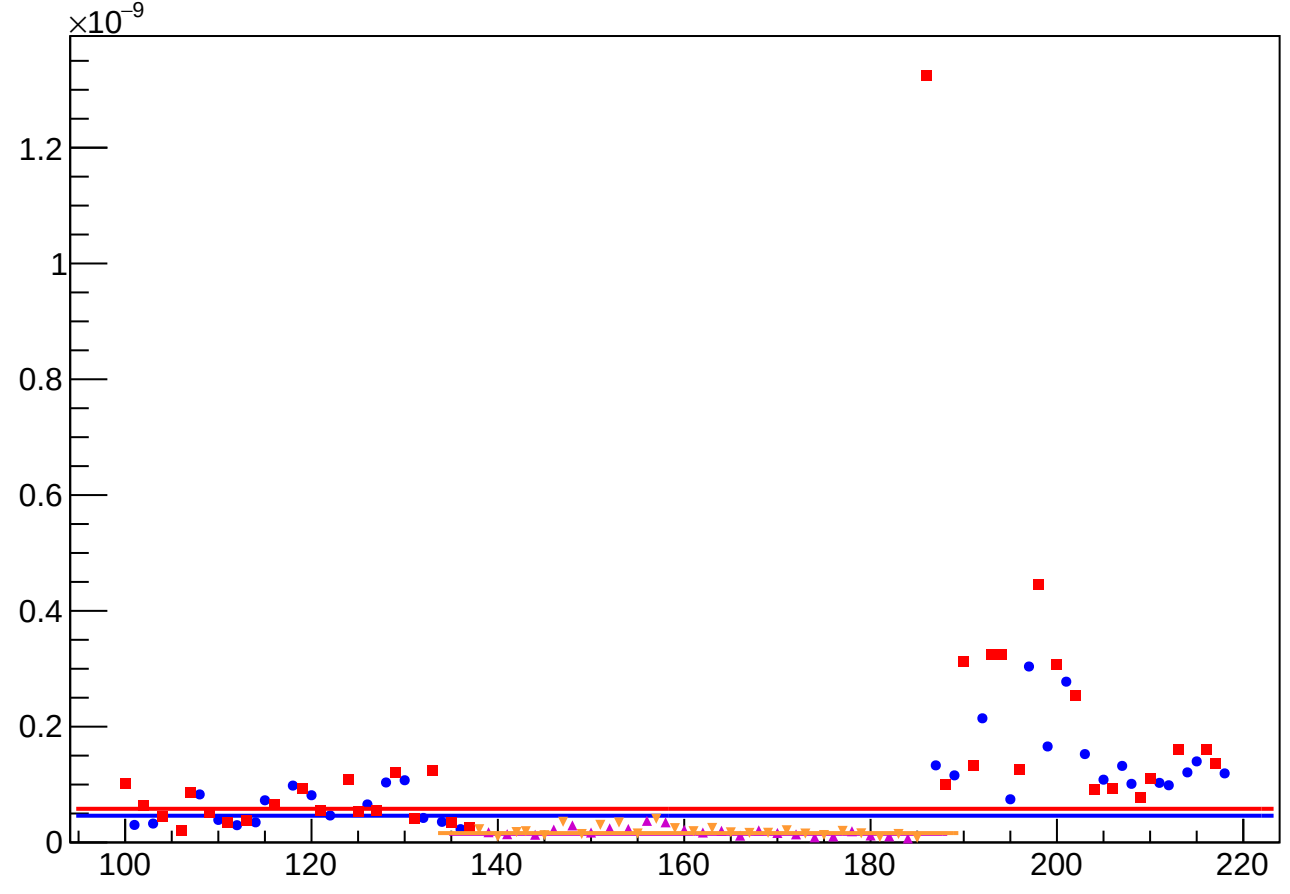
Right Out: 0.000+/-0.000 χ^2/NDF: 24.8/35

Left In: -0.000+/-0.000 χ^2/NDF:25.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 68.2/56

All: -0.000+/-0.000 χ^2/NDF: 122.2/115

- sign -0.000+/-0.000 χ^2/NDF: 50.8/58



Right In: 0.000+/-0.000 χ^2/NDF: 6456100.9/31

Left Out: 0.000+/-0.000 χ^2/NDF:1725685.8/24

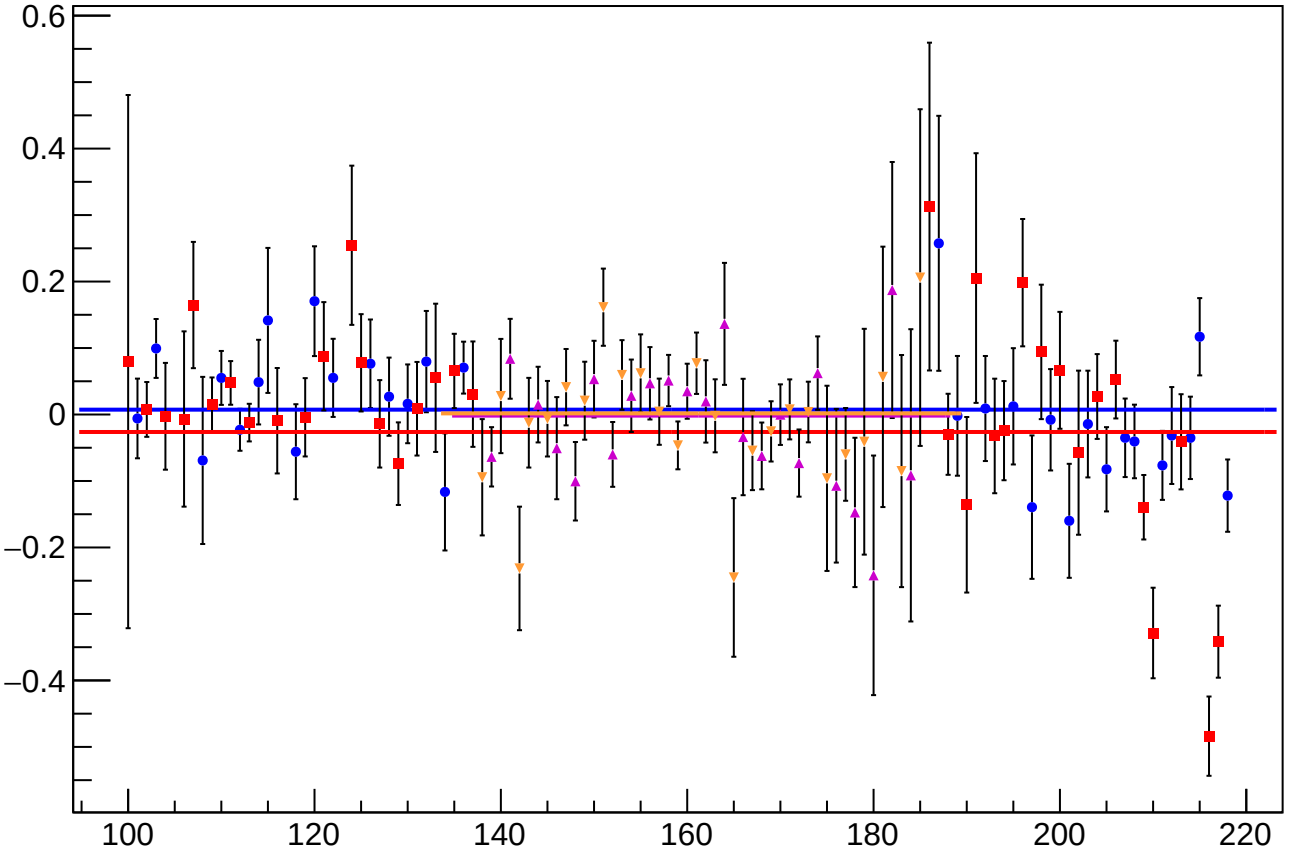
Right Out: 0.000+/-0.000 χ^2/NDF: 6618472.7/35

Left In: 0.000+/-0.000 χ^2/NDF:1661952.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 12129801.6/56

All: 0.000+/-0.000 χ^2/NDF: 26366418.2/115

- sign 0.000+/-0.000 χ^2/NDF: 14192777.1/58



Right In: 0.007+/-0.011 χ^2/NDF: 44.4/31

Left Out: 0.002+/-0.012 χ^2/NDF:30.4/24

Right Out: -0.026+/-0.011 χ^2/NDF: 158.2/35

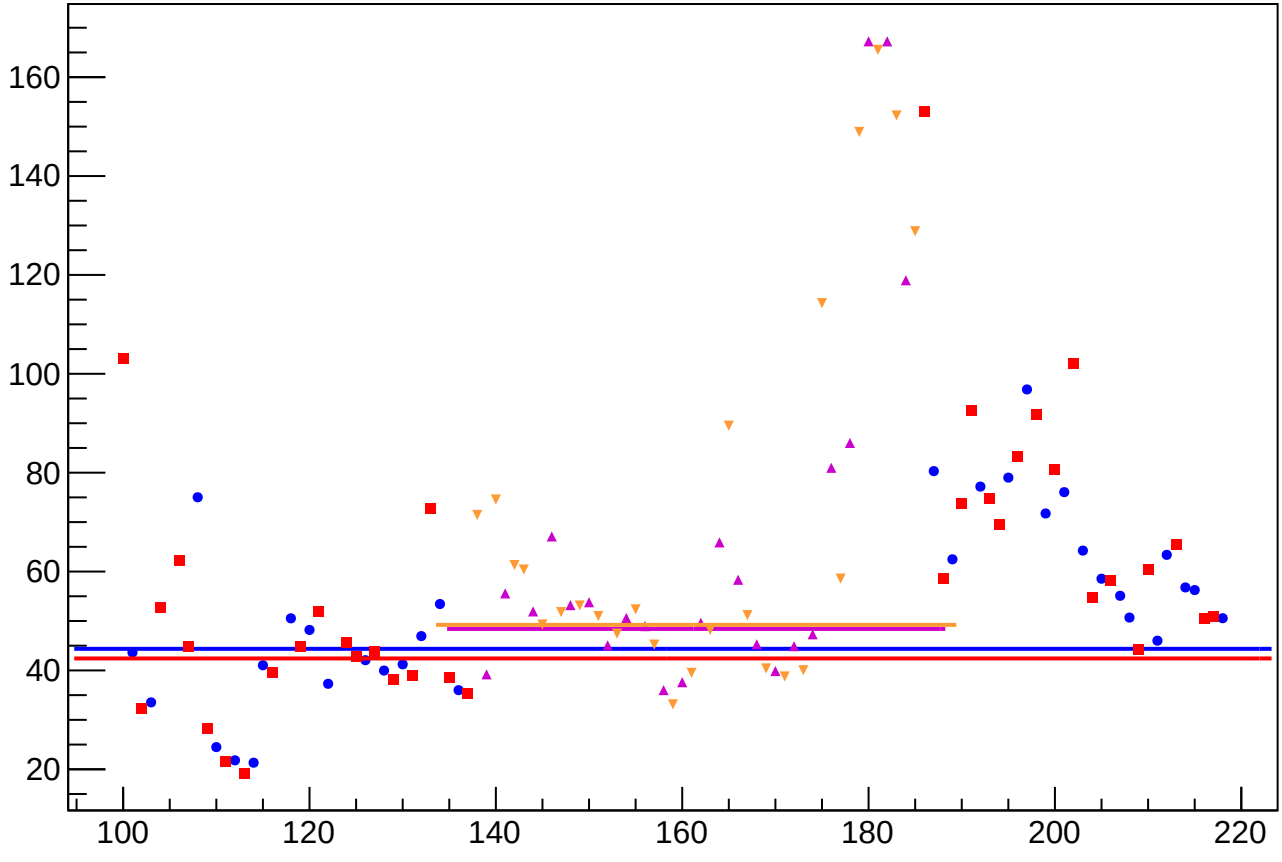
Left In: -0.002+/-0.012 χ^2/NDF:26.1/22

+ sign 0.005+/-0.008 χ^2/NDF: 74.9/56

All: -0.006+/-0.006 χ^2/NDF: 264.7/115

- sign -0.016+/-0.008 χ^2/NDF: 186.6/58

asym_sam_3748_avg_dit_vs_cor_diff_rms vs Slug



Right In: 44.369+/-0.008 χ^2/NDF: 4643879.6/31

Left Out: 49.216+/-0.009 χ^2/NDF:4171670.0/24

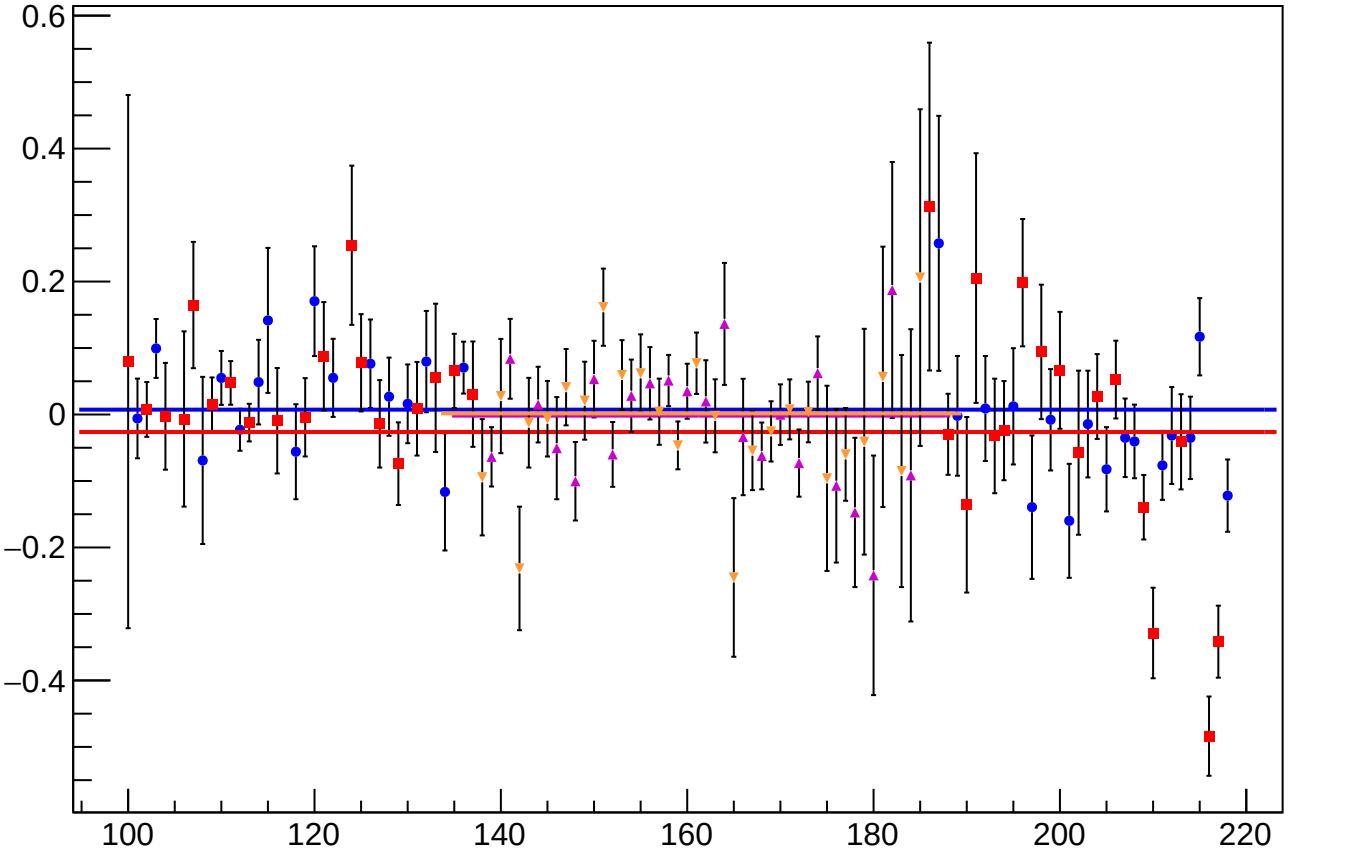
Right Out: 42.420+/-0.007 χ^2/NDF: 6560345.8/35

Left In: 48.392+/-0.009 χ^2/NDF:3033240.8/22

+ sign 46.491+/-0.006 χ^2/NDF: 8990217.9/56

All: 45.713+/-0.004 χ^2/NDF: 18888732.2/115

- sign 44.950+/-0.006 χ^2/NDF: 9862260.4/58



Right In: 0.007+/-0.011 χ^2/NDF: 44.4/31

Left Out: 0.002+/-0.012 χ^2/NDF:30.4/24

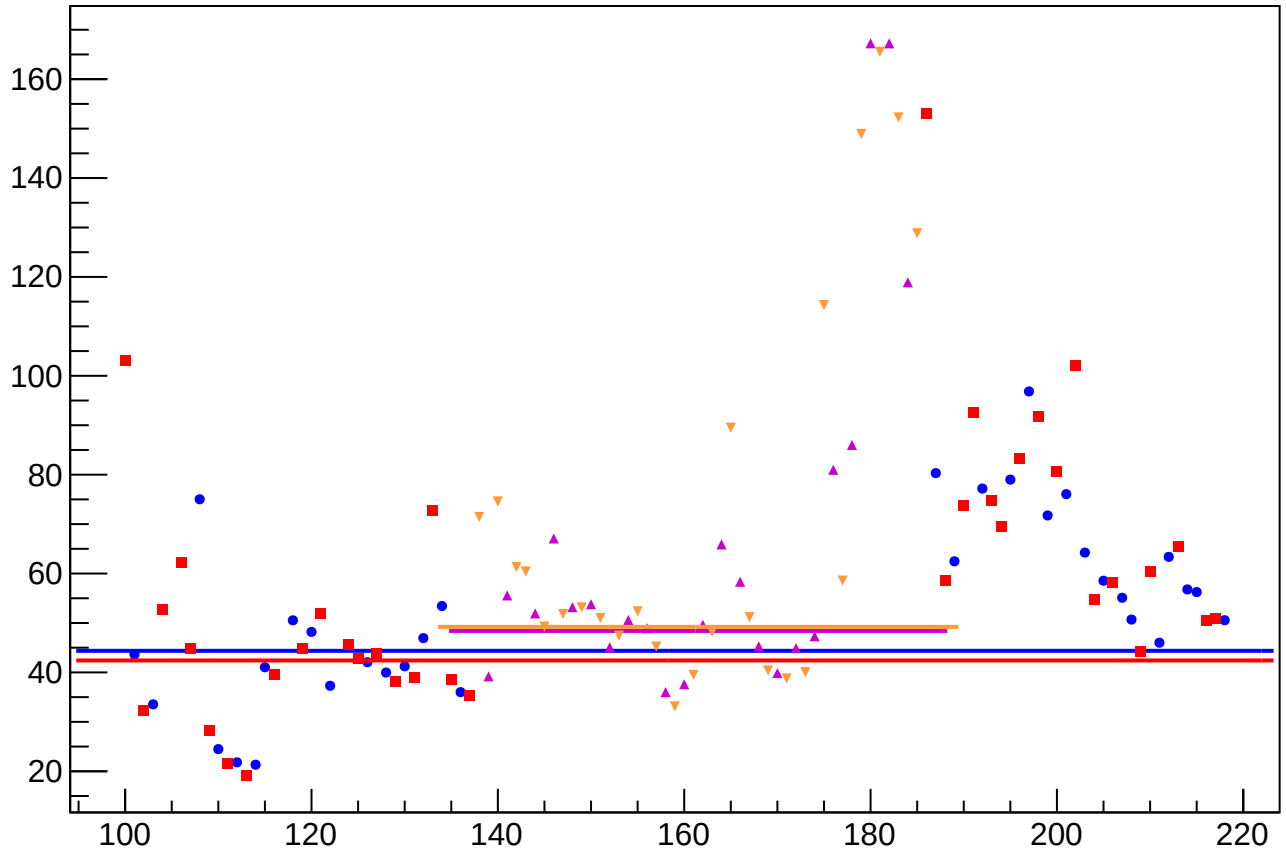
Right Out: -0.026+/-0.011 χ^2/NDF: 158.2/35

Left In: -0.002+/-0.012 χ^2/NDF:26.1/22

+ sign 0.005+/-0.008 χ^2/NDF: 74.9/56

All: -0.006+/-0.006 χ^2/NDF: 264.7/115

- sign -0.016+/-0.008 χ^2/NDF: 186.6/58



Right In: 44.369+/-0.008 χ^2/NDF: 4643879.6/31

Left Out: 49.216+/-0.009 χ^2/NDF:4171670.0/24

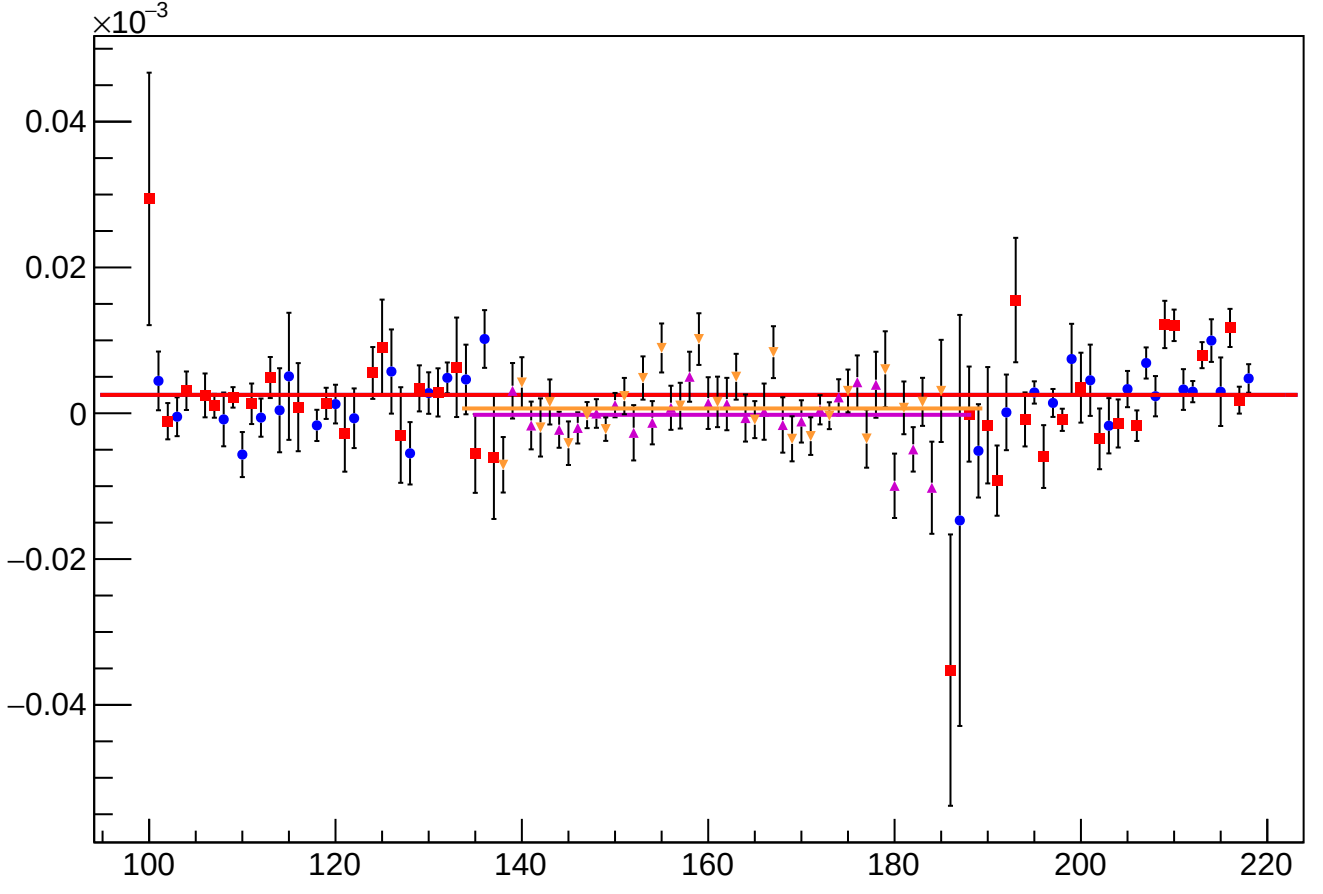
Right Out: 42.420+/-0.007 χ^2/NDF: 6560345.8/35

Left In: 48.392+/-0.009 χ^2/NDF:3033240.8/22

+ sign 46.491+/-0.006 χ^2/NDF: 8990217.9/56

All: 45.713+/-0.004 χ^2/NDF: 18888732.2/115

- sign 44.950+/-0.006 χ^2/NDF: 9862260.4/58



Right In: 0.000+/-0.000 χ^2/NDF: 41.8/31

Left Out: 0.000+/-0.000 χ^2/NDF:41.7/24

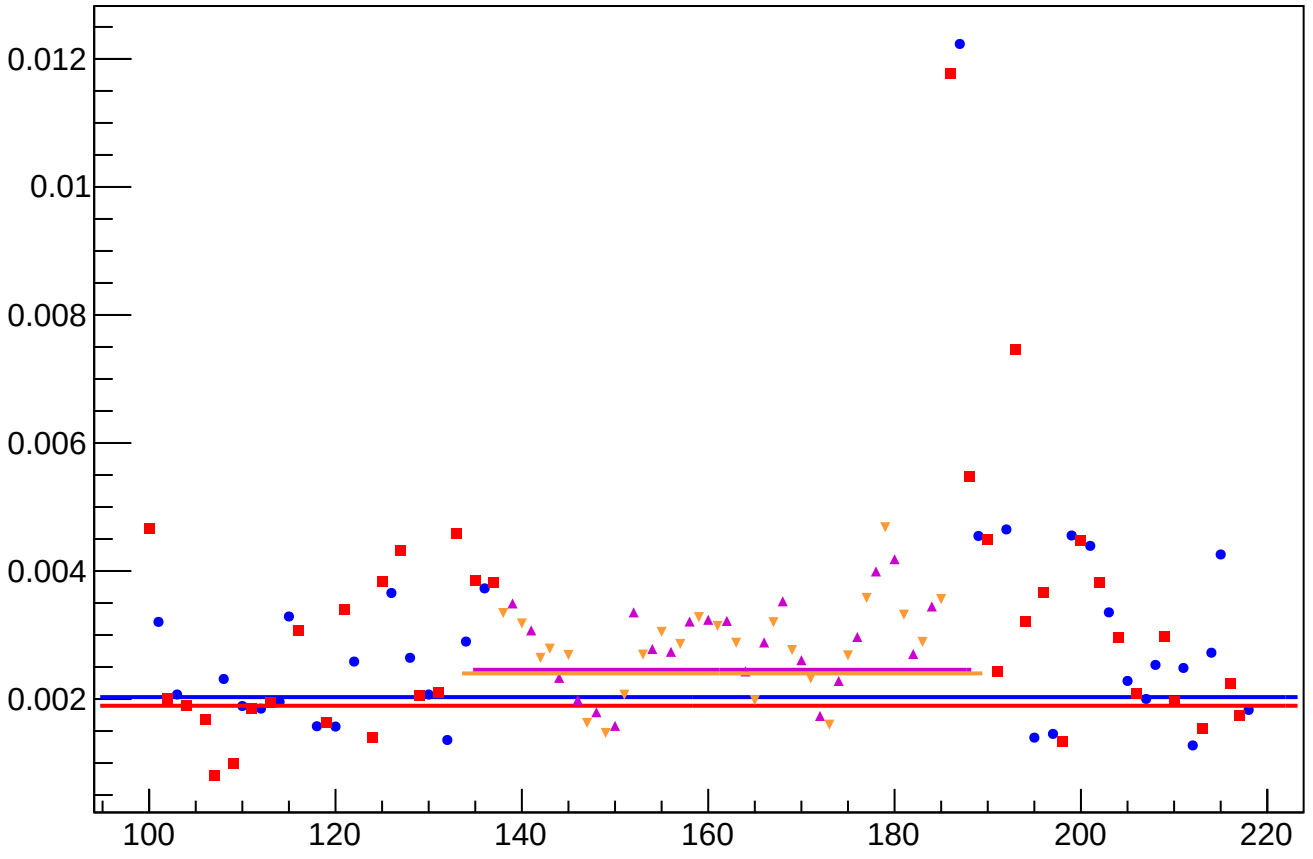
Right Out: 0.000+/-0.000 χ^2/NDF: 94.2/35

Left In: -0.000+/-0.000 χ^2/NDF:19.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 89.5/56

All: 0.000+/-0.000 χ^2/NDF: 216.3/115

- sign 0.000+/-0.000 χ^2/NDF: 126.6/58



Right In: 0.002+/-0.000 χ^2/NDF: 5386222.3/31

Left Out: 0.002+/-0.000 χ^2/NDF:3123870.1/24

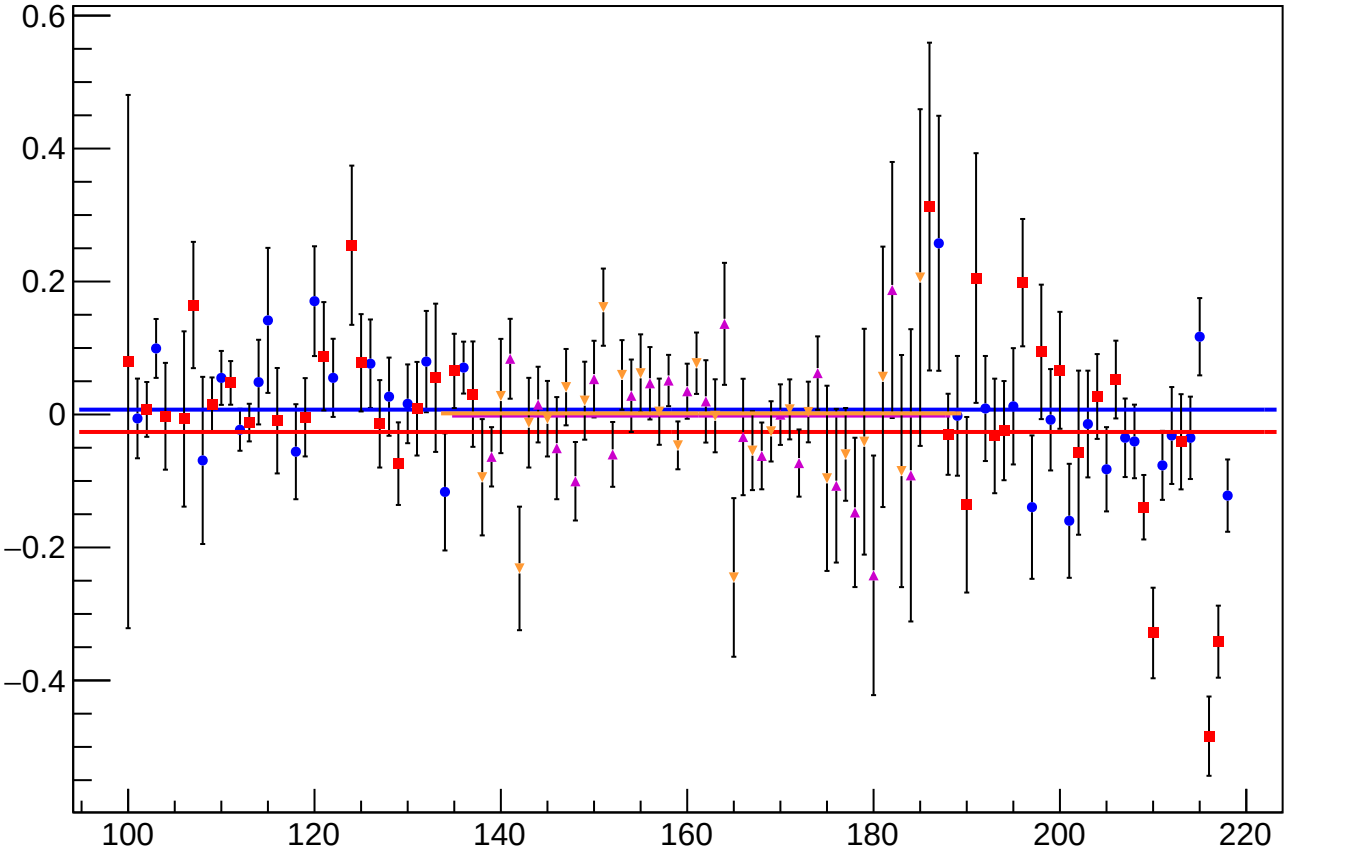
Right Out: 0.002+/-0.000 χ^2/NDF: 7924756.8/35

Left In: 0.002+/-0.000 χ^2/NDF:2629718.7/22

+ sign 0.002+/-0.000 χ^2/NDF: 8982919.2/56

All: 0.002+/-0.000 χ^2/NDF: 20648802.0/115

- sign 0.002+/-0.000 χ^2/NDF: 11623146.0/58



Right In: 0.007+/-0.011 χ^2/NDF: 44.4/31

Left Out: 0.002+/-0.012 χ^2/NDF:30.4/24

Right Out: -0.026+/-0.011 χ^2/NDF: 158.2/35

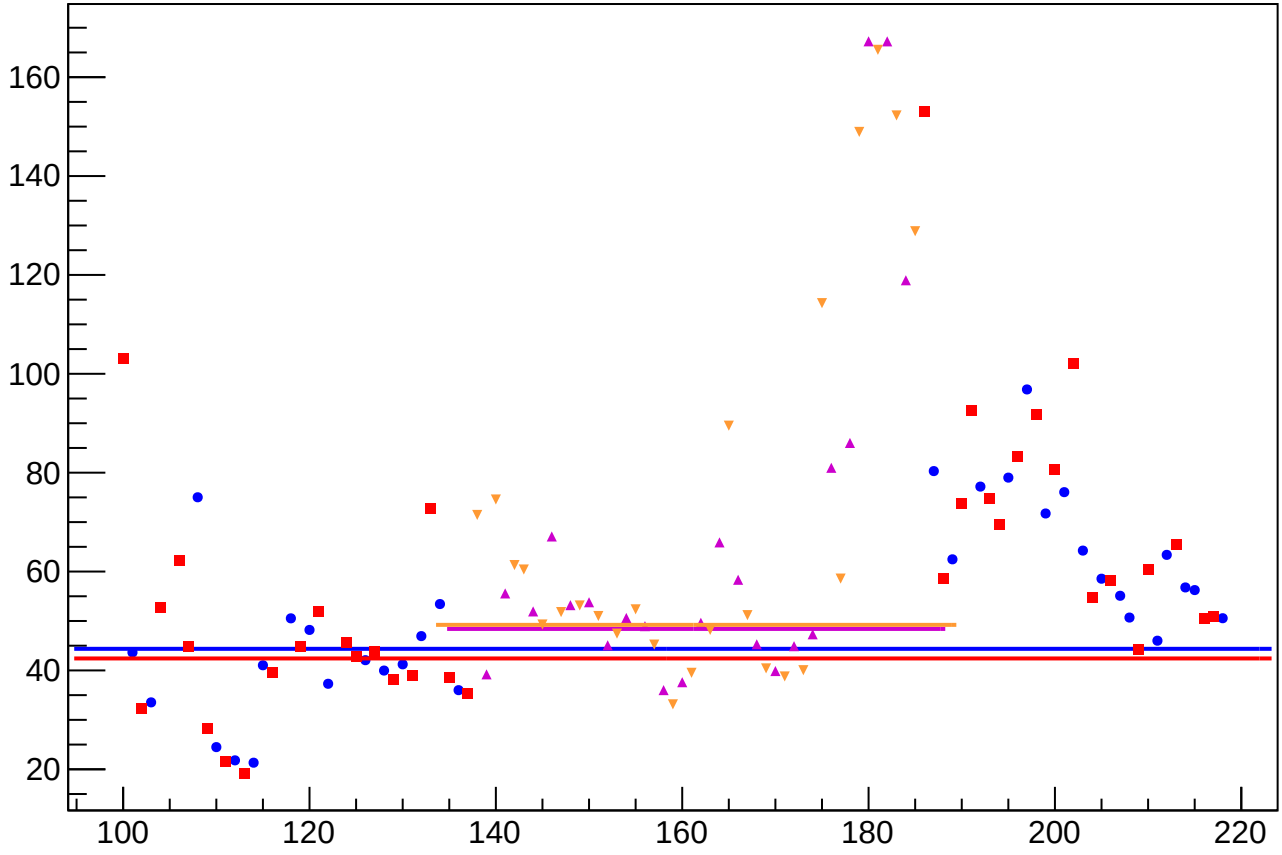
Left In: -0.002+/-0.012 χ^2/NDF:26.1/22

+ sign 0.005+/-0.008 χ^2/NDF: 74.9/56

All: -0.006+/-0.006 χ^2/NDF: 264.7/115

- sign -0.016+/-0.008 χ^2/NDF: 186.6/58

asym_sam_3748_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 44.369+/-0.008 χ^2/NDF: 4643730.4/31

Left Out: 49.217+/-0.009 χ^2/NDF:4171640.8/24

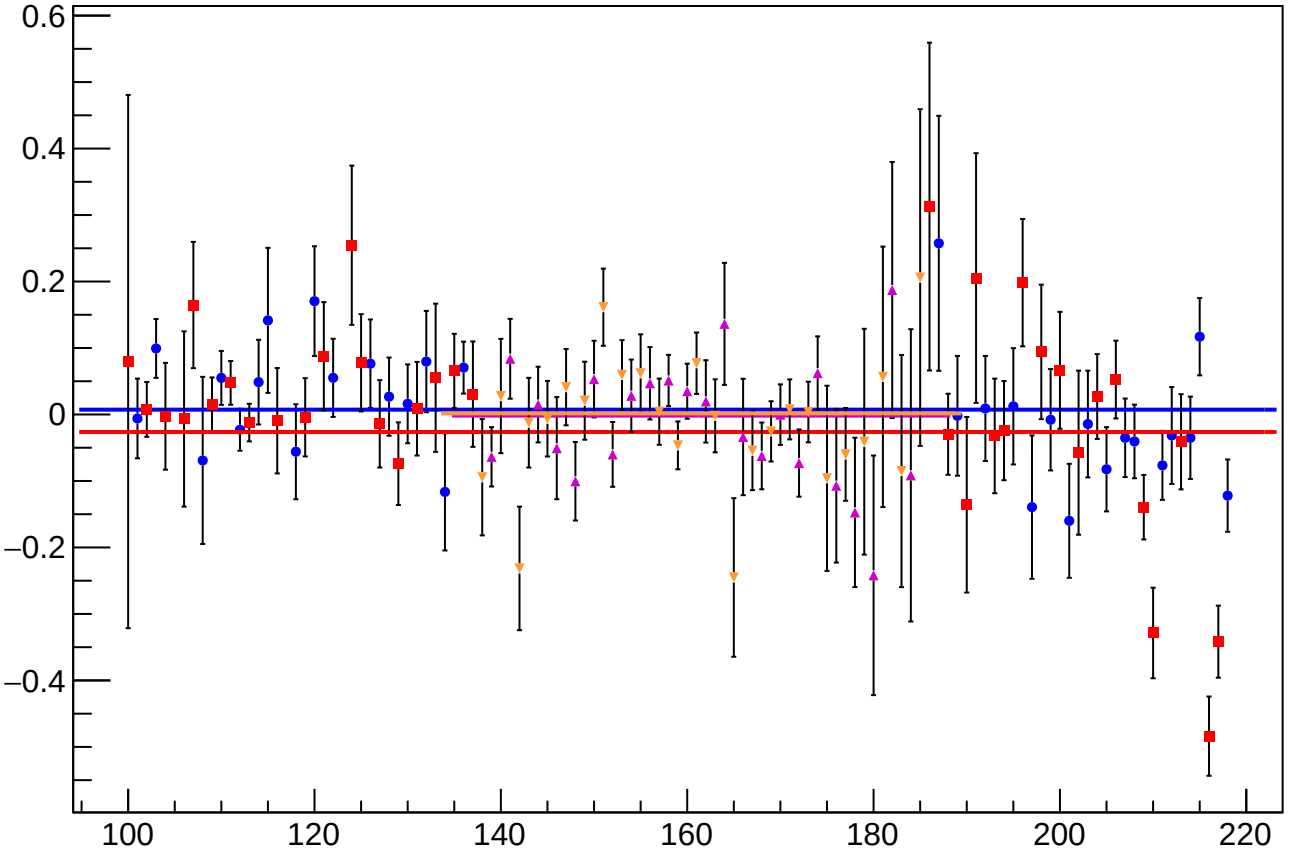
Right Out: 42.421+/-0.007 χ^2/NDF: 6560241.8/35

Left In: 48.393+/-0.009 χ^2/NDF:3033208.4/22

+ sign 46.492+/-0.006 χ^2/NDF: 8990054.3/56

All: 45.713+/-0.004 χ^2/NDF: 18888439.3/115

- sign 44.951+/-0.006 χ^2/NDF: 9862132.9/58



Right In: 0.007+/-0.011 χ^2/NDF: 44.4/31

Left Out: 0.002+/-0.012 χ^2/NDF:30.4/24

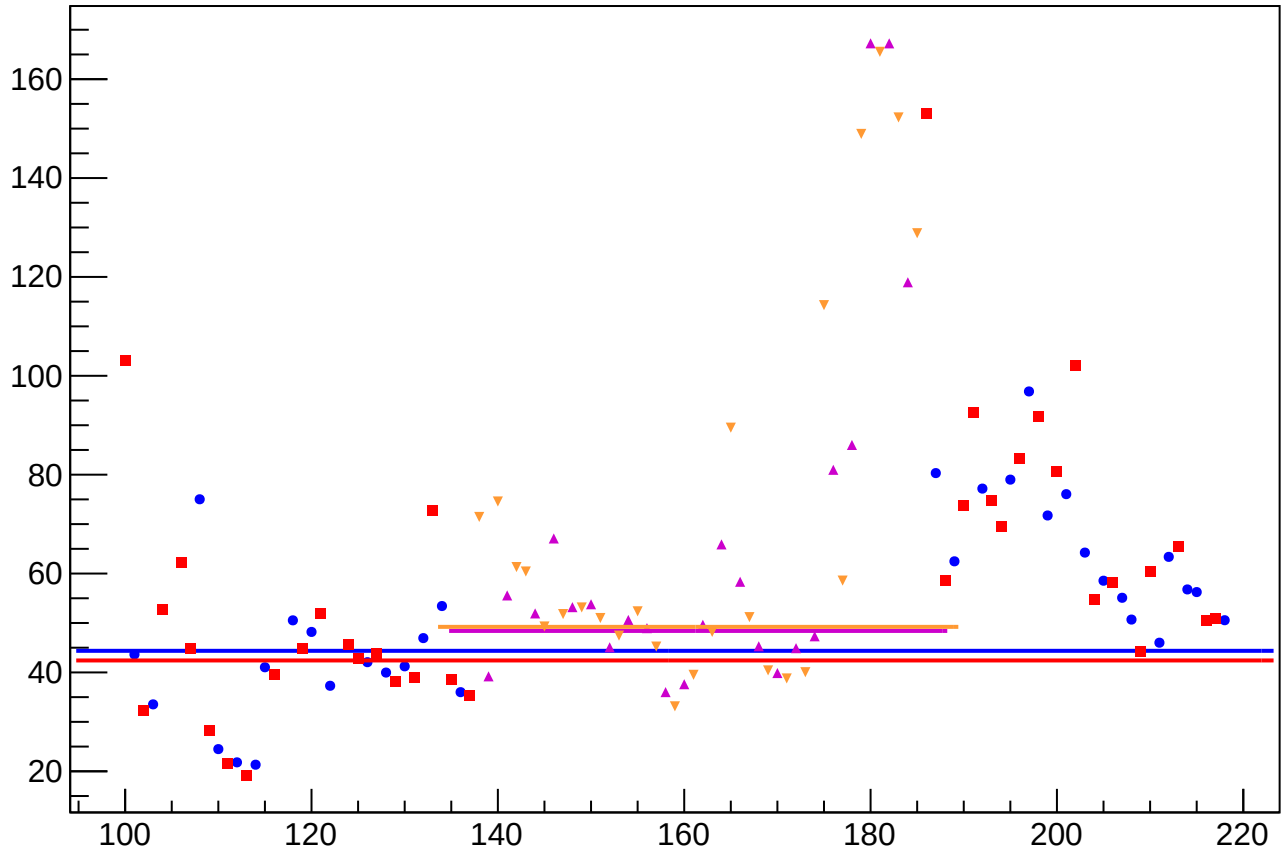
Right Out: -0.026+/-0.011 χ^2/NDF: 158.2/35

Left In: -0.002+/-0.012 χ^2/NDF:26.1/22

+ sign 0.005+/-0.008 χ^2/NDF: 74.9/56

All: -0.006+/-0.006 χ^2/NDF: 264.7/115

- sign -0.016+/-0.008 χ^2/NDF: 186.6/58



Right In: 44.369+/-0.008 χ^2/NDF: 4643730.4/31

Left Out: 49.217+/-0.009 χ^2/NDF:4171640.8/24

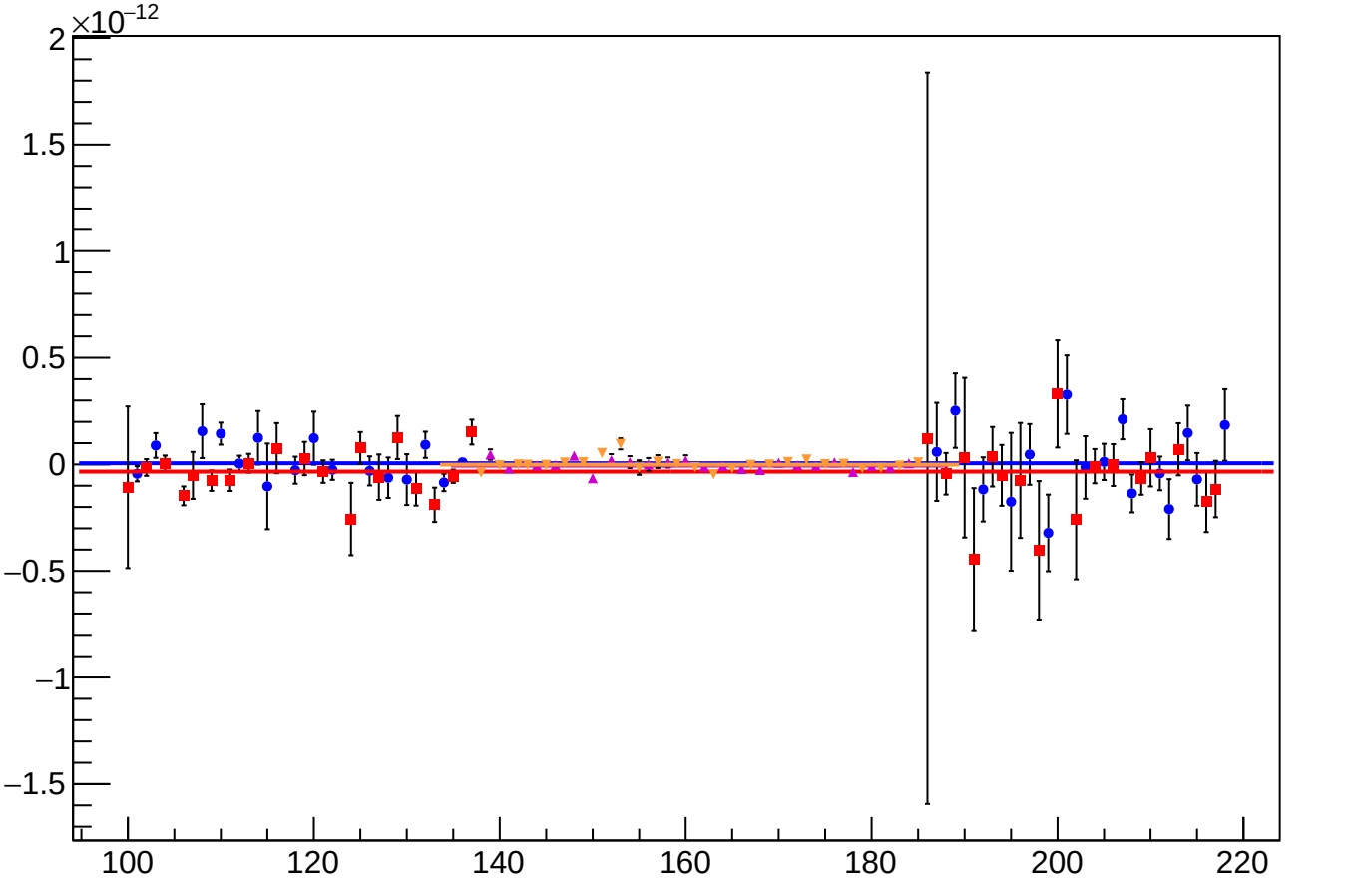
Right Out: 42.421+/-0.007 χ^2/NDF: 6560241.8/35

Left In: 48.393+/-0.009 χ^2/NDF:3033208.4/22

+ sign 46.492+/-0.006 χ^2/NDF: 8990054.3/56

All: 45.713+/-0.004 χ^2/NDF: 18888439.3/115

- sign 44.951+/-0.006 χ^2/NDF: 9862132.9/58



Right In: 0.000+/-0.000 χ^2/NDF: 45.9/31

Left Out: -0.000+/-0.000 χ^2/NDF:37.0/24

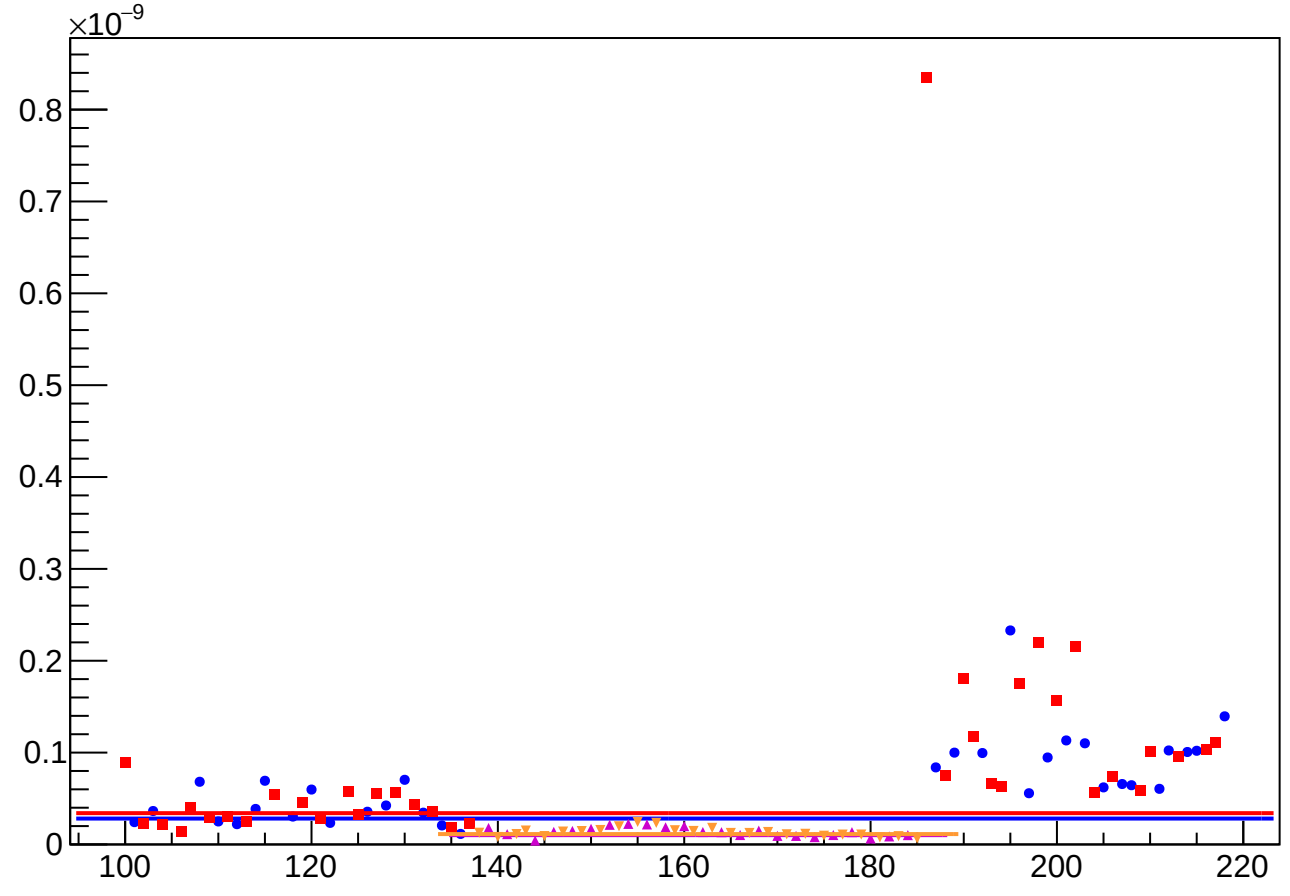
Right Out: -0.000+/-0.000 χ^2/NDF: 42.1/35

Left In: -0.000+/-0.000 χ^2/NDF:28.4/22

+ sign -0.000+/-0.000 χ^2/NDF: 83.2/56

All: -0.000+/-0.000 χ^2/NDF: 161.4/115

- sign -0.000+/-0.000 χ^2/NDF: 75.6/58



Right In: 0.000+/-0.000 χ^2/NDF: 10024087.5/31

Left Out: 0.000+/-0.000 χ^2/NDF:2206266.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8695843.8/35

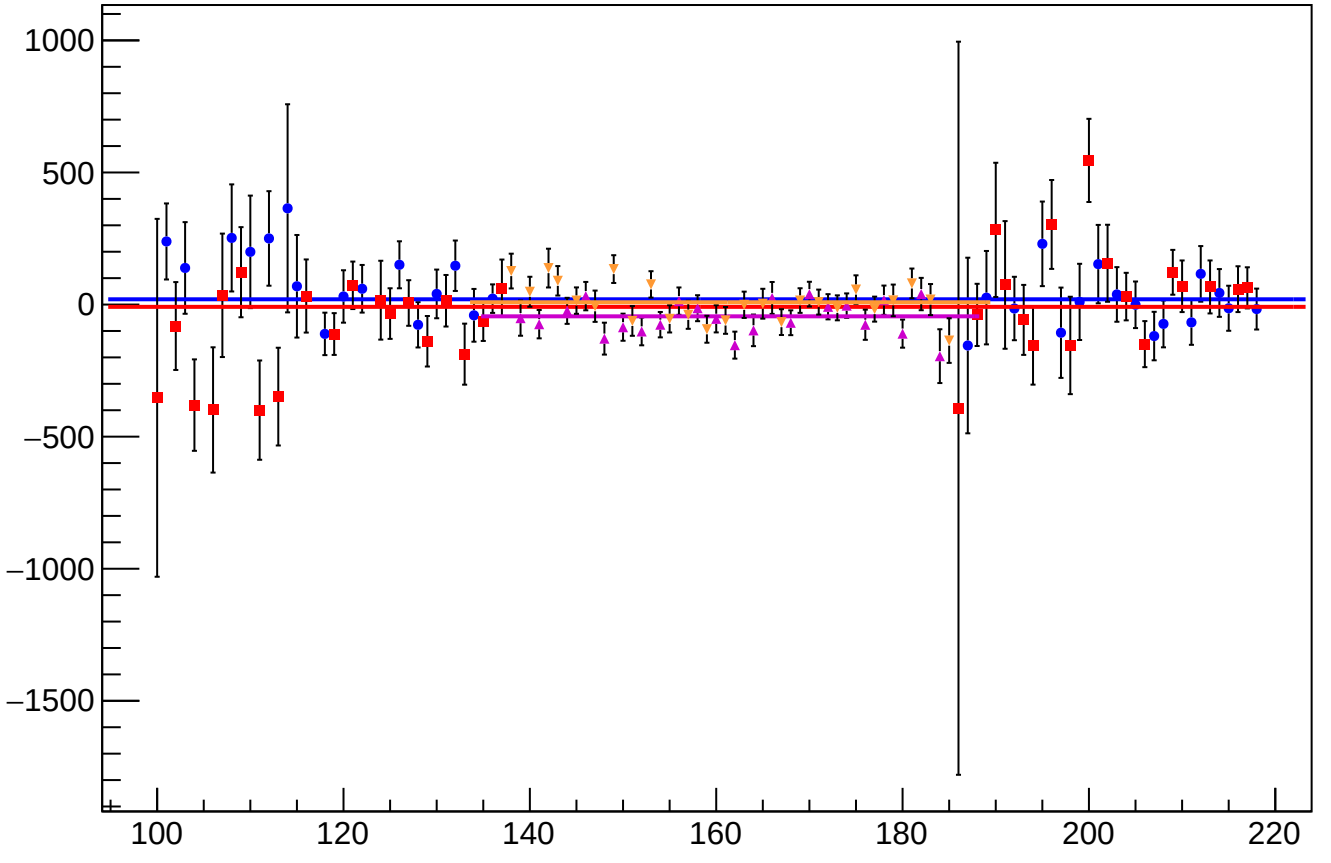
Left In: 0.000+/-0.000 χ^2/NDF:4024430.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 16760464.6/56

All: 0.000+/-0.000 χ^2/NDF: 36894229.2/115

- sign 0.000+/-0.000 χ^2/NDF: 20020615.6/58

reg_asym_sam_1526_avg_mean vs Slug



Right In: 19.968+/-18.554 χ^2/NDF: 25.0/31

Left Out: 8.756+/-10.770 χ^2/NDF:34.6/24

Right Out: -8.671+/-19.467 χ^2/NDF: 52.4/35

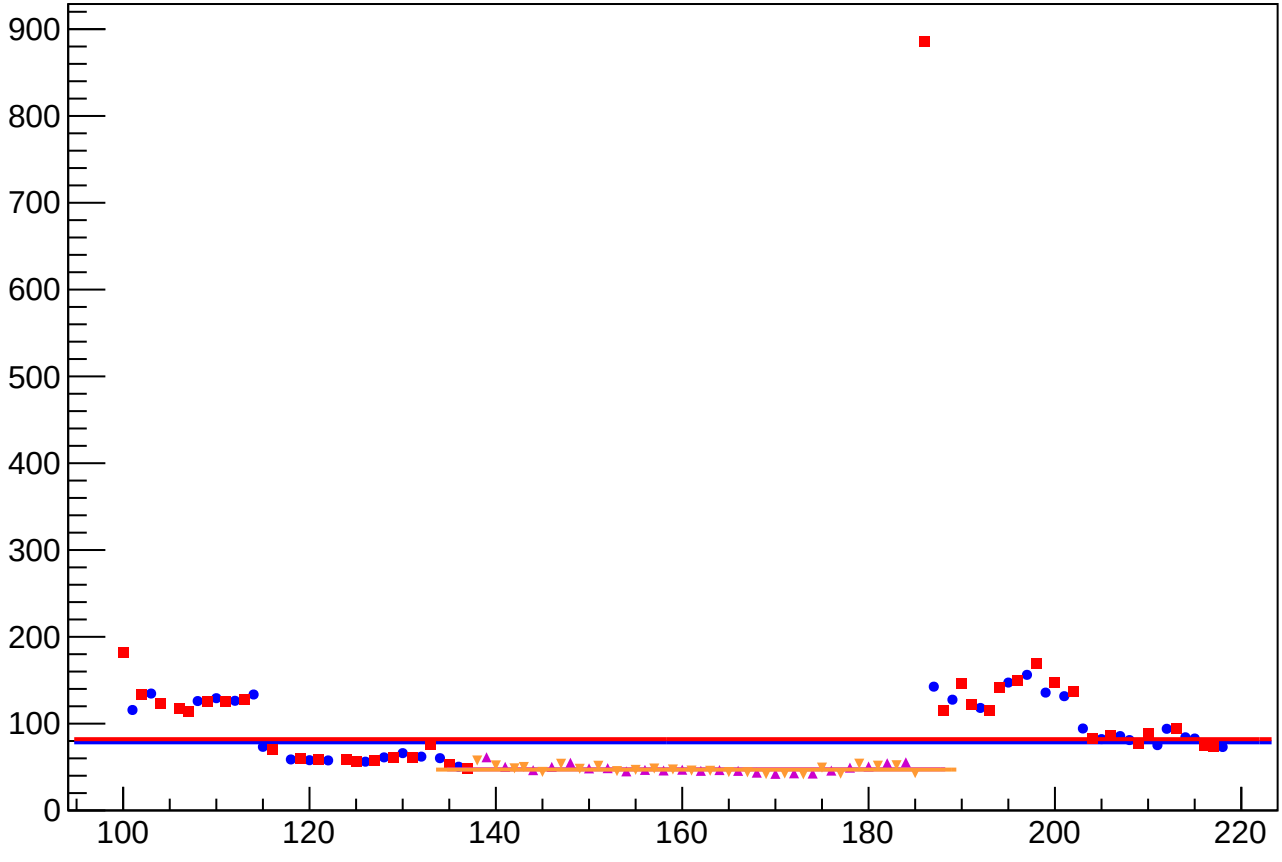
Left In: -44.541+/-11.149 χ^2/NDF:27.0/22

+ sign 11.581+/-9.314 χ^2/NDF: 59.9/56

All: -11.154+/-6.710 χ^2/NDF: 154.3/115

- sign -35.682+/-9.674 χ^2/NDF: 82.0/58

reg_asym_sam_1526_avg_rms vs Slug



Right In: 78.471+/-0.013 χ^2/NDF: 3912919.3/31

Left Out: 47.064+/-0.008 χ^2/NDF:287590.7/24

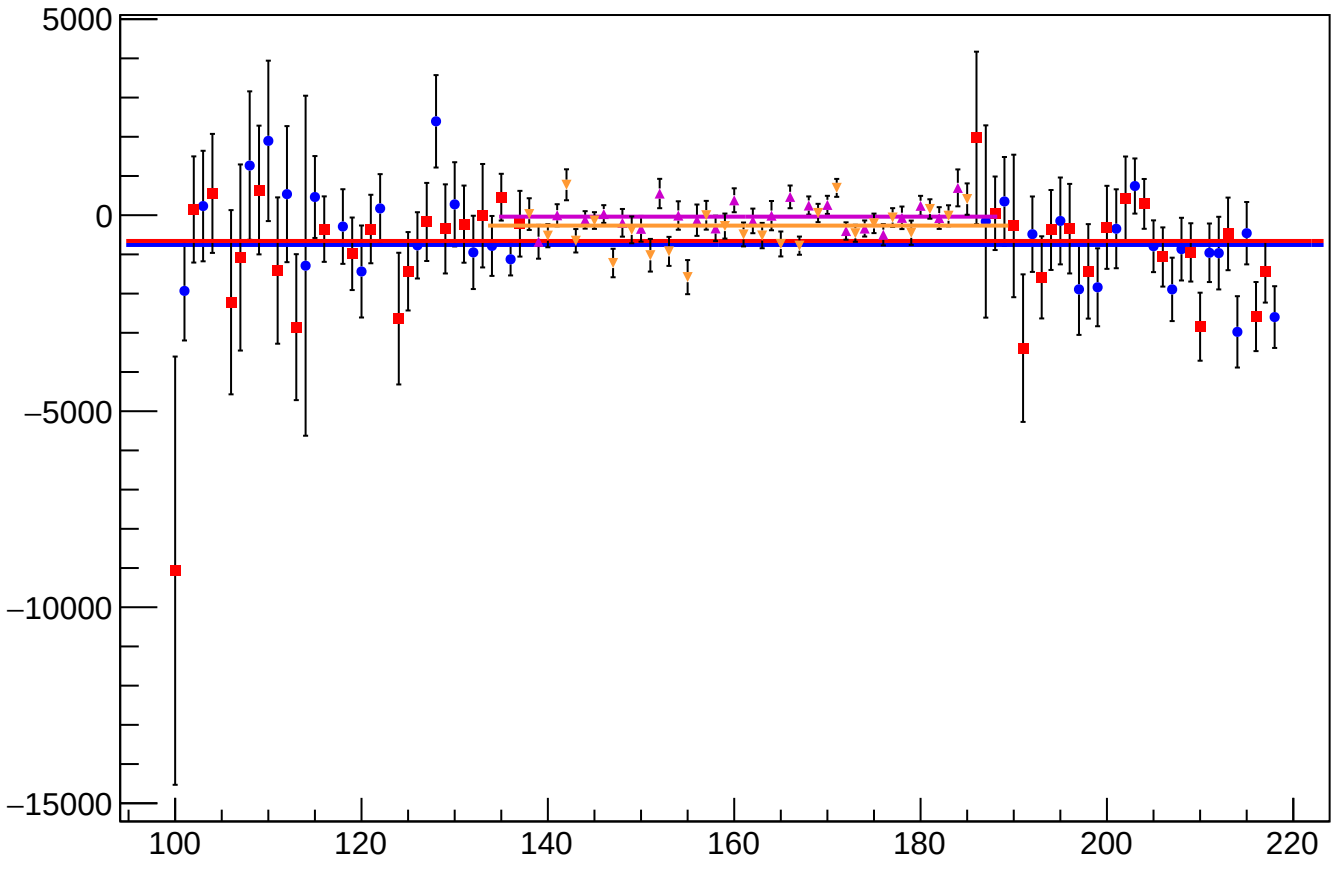
Right Out: 82.115+/-0.014 χ^2/NDF: 5070670.4/35

Left In: 47.384+/-0.008 χ^2/NDF:271036.5/22

+ sign 54.979+/-0.007 χ^2/NDF: 8486980.3/56

All: 55.452+/-0.005 χ^2/NDF: 18633456.6/115

- sign 55.962+/-0.007 χ^2/NDF: 10135764.3/58



Right In: -759.192+/-161.880 χ^2/NDF: 38.7/31

Left Out: -265.684+/-58.031 χ^2/NDF:69.8/24

Right Out: -657.610+/-172.353 χ^2/NDF: 34.4/35

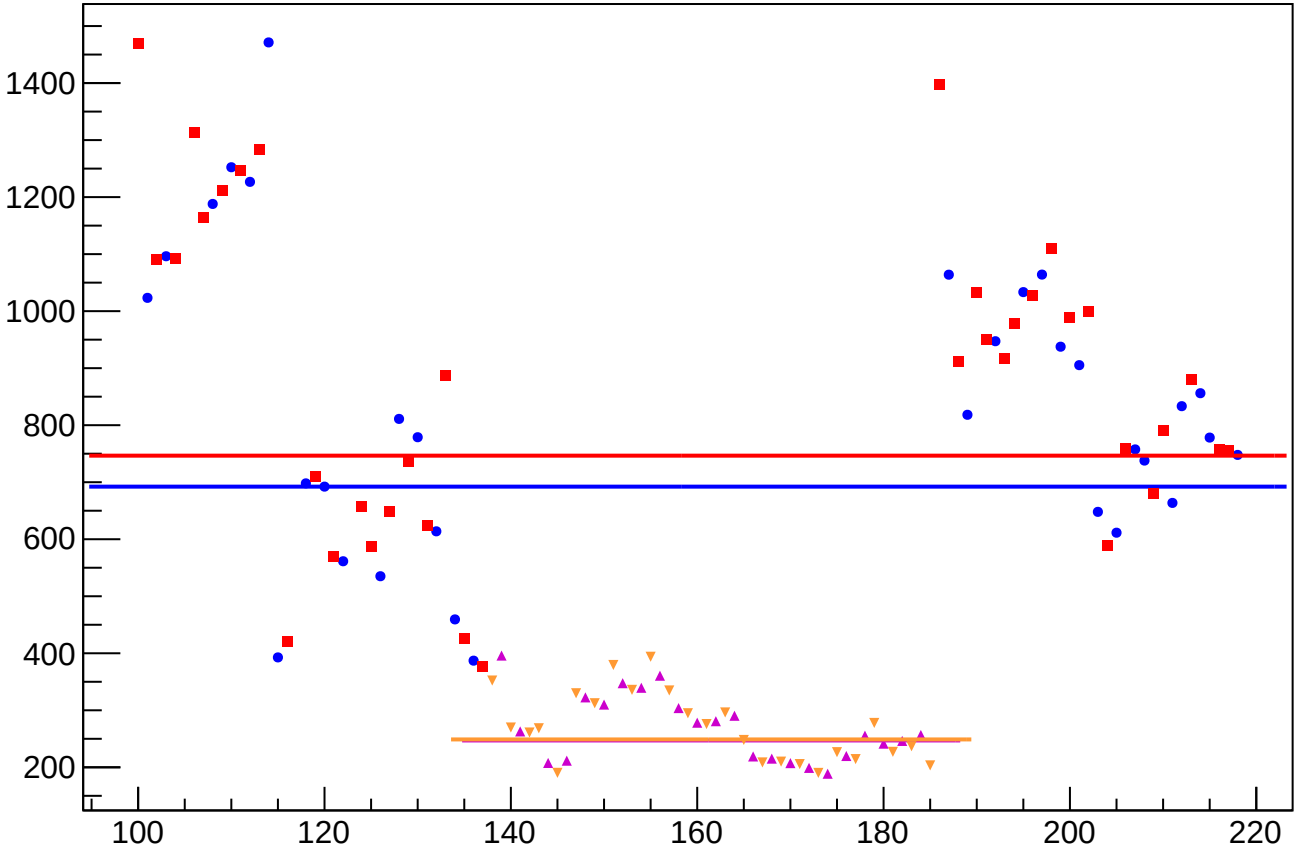
Left In: -37.530+/-59.159 χ^2/NDF:26.6/22

+ sign -321.883+/-54.627 χ^2/NDF: 116.7/56

All: -215.013+/-39.088 χ^2/NDF: 197.1/115

- sign -102.886+/-55.955 χ^2/NDF: 72.6/58

asym_sam_1526_avg_reg_correction_rms vs Slug



Right In: 692.244+/-0.114 χ^2/NDF: 3472548.6/31

Left Out: 248.891+/-0.041 χ^2/NDF:1663709.5/24

Right Out: 746.567+/-0.122 χ^2/NDF: 3577088.2/35

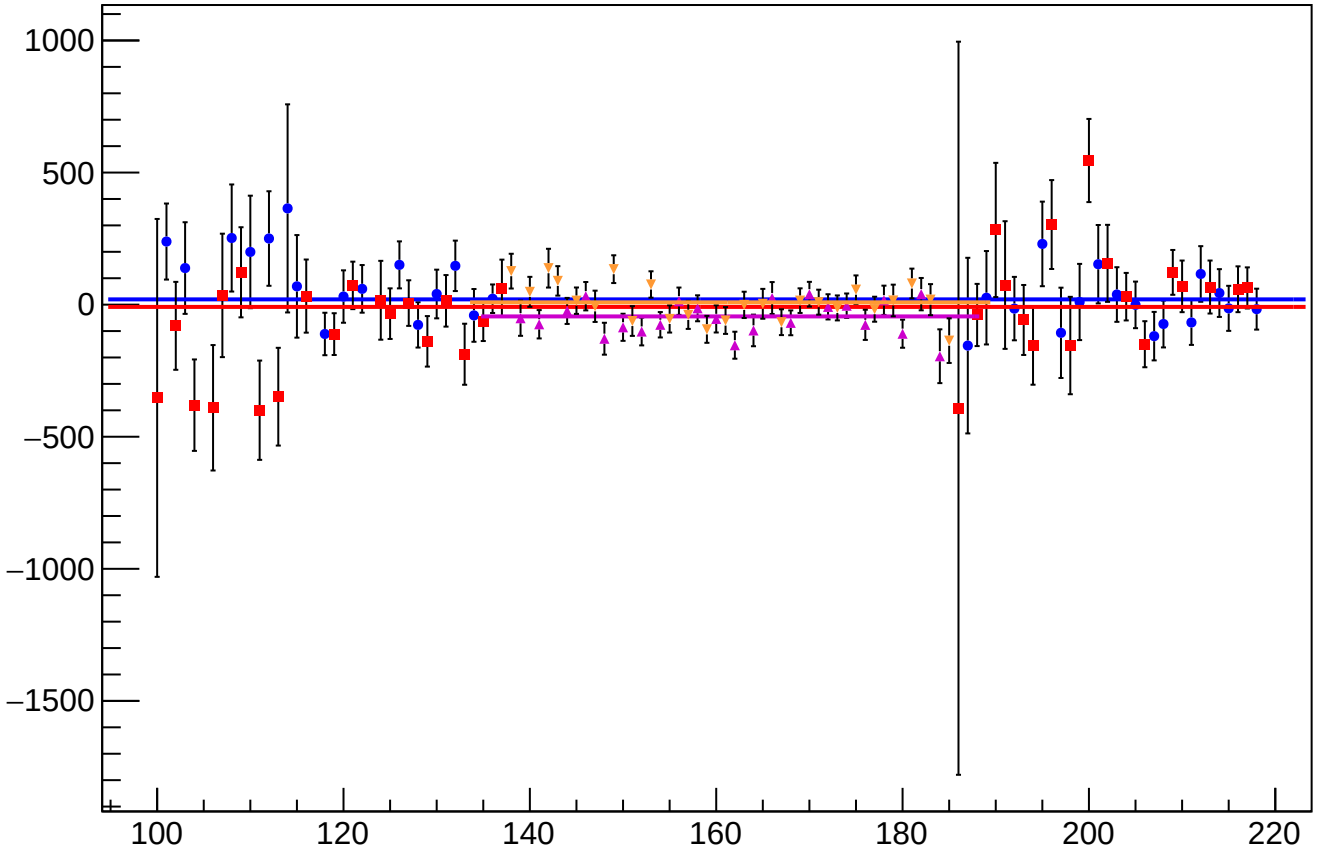
Left In: 247.109+/-0.042 χ^2/NDF:1484450.6/22

+ sign 299.378+/-0.039 χ^2/NDF: 18429748.8/56

All: 299.561+/-0.028 χ^2/NDF: 38516448.5/11

- sign 299.752+/-0.040 χ^2/NDF: 20086654.1/58

cor_asym_sam_1526_avg_mean vs Slug



Right In: 19.962+/-18.554 χ^2/NDF: 25.0/31

Left Out: 8.758+/-10.770 χ^2/NDF:34.6/24

Right Out: -8.593+/-19.467 χ^2/NDF: 52.3/35

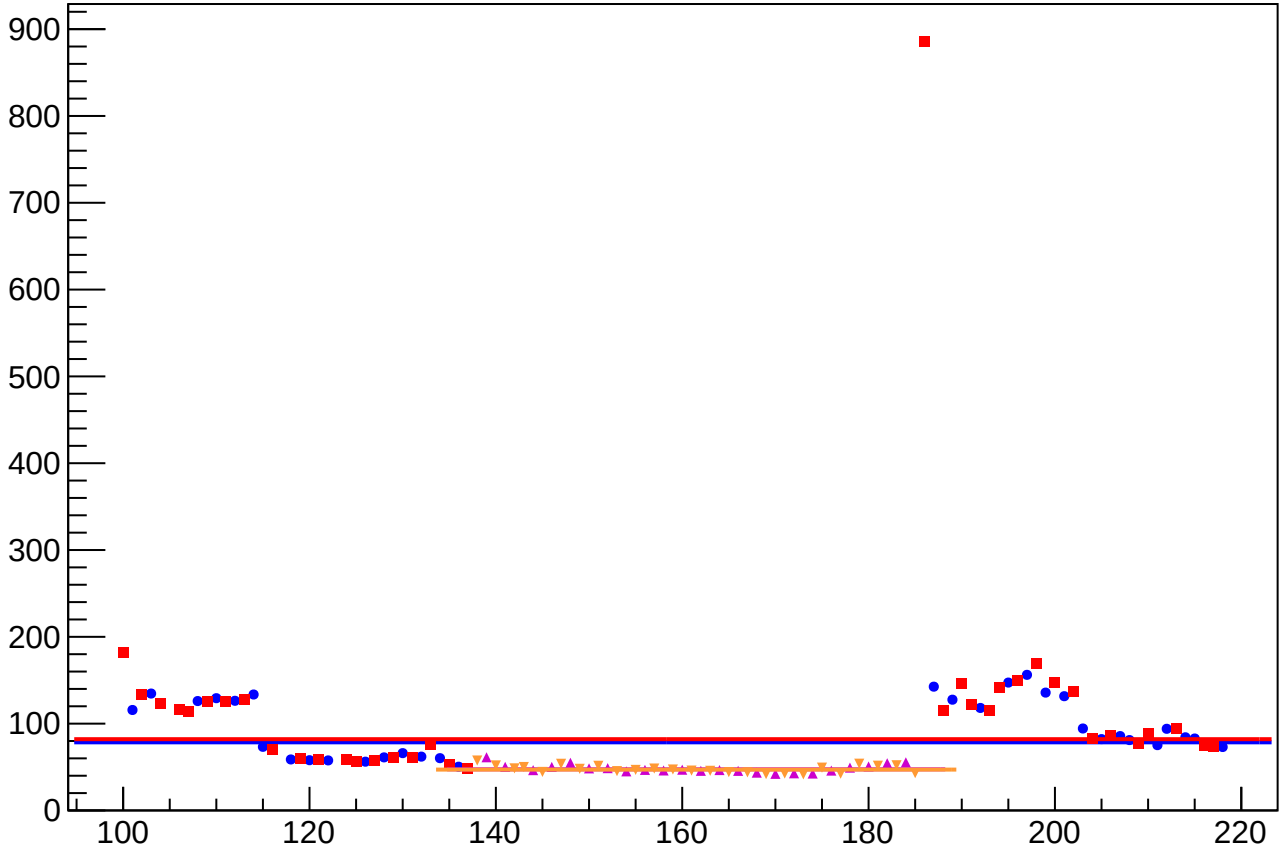
Left In: -44.540+/-11.149 χ^2/NDF:27.0/22

+ sign 11.581+/-9.314 χ^2/NDF: 59.9/56

All: -11.145+/-6.710 χ^2/NDF: 154.1/115

- sign -35.662+/-9.674 χ^2/NDF: 81.8/58

cor_asym_sam_1526_avg_rms vs Slug



Right In: 78.471+/-0.013 χ^2/NDF: 3912921.6/31

Left Out: 47.064+/-0.008 χ^2/NDF:287590.7/24

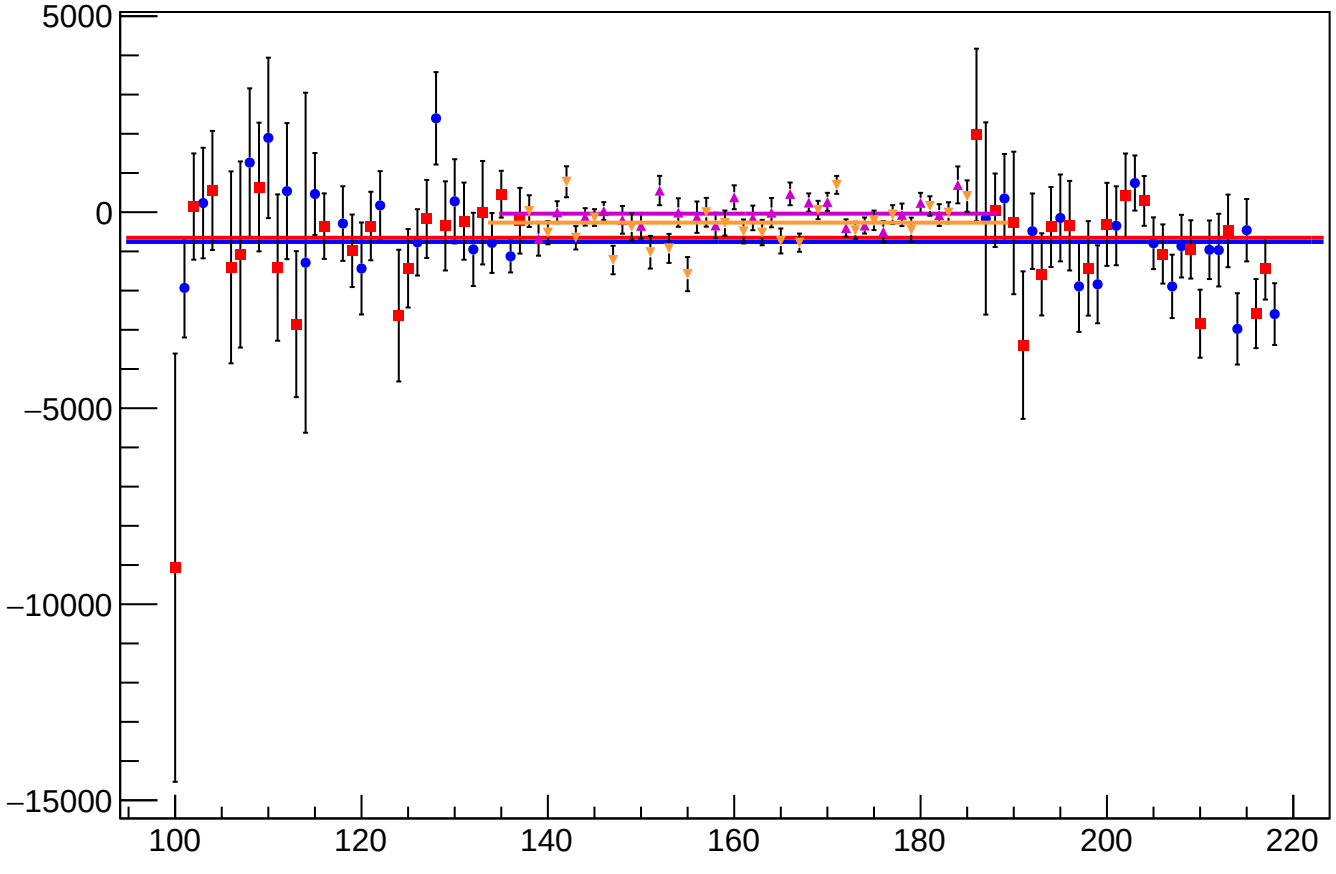
Right Out: 82.108+/-0.014 χ^2/NDF: 5068372.7/35

Left In: 47.384+/-0.008 χ^2/NDF:271036.5/22

+ sign 54.979+/-0.007 χ^2/NDF: 8486982.4/56

All: 55.451+/-0.005 χ^2/NDF: 18629036.3/115

- sign 55.960+/-0.007 χ^2/NDF: 10131384.6/58



Right In: -759.186+/-161.880 χ^2/NDF: 38.7/31

Left Out: -265.680+/-58.031 χ^2/NDF:69.8/24

Right Out: -652.970+/-172.392 χ^2/NDF: 34.0/35

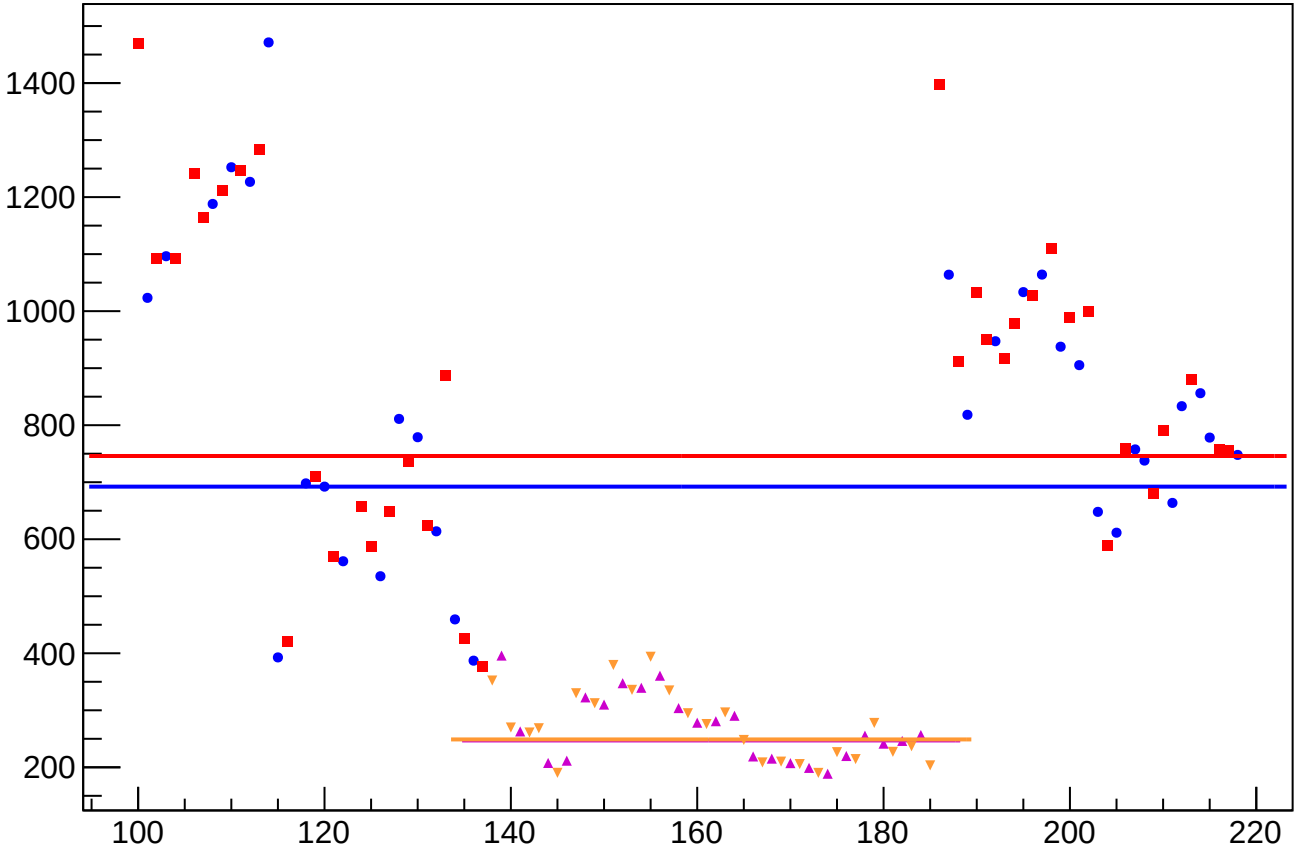
Left In: -37.527+/-59.159 χ^2/NDF:26.6/22

+ sign -321.878+/-54.627 χ^2/NDF: 116.7/56

All: -214.761+/-39.089 χ^2/NDF: 196.6/115

- sign -102.368+/-55.956 χ^2/NDF: 72.0/58

asym_sam_1526_avg_cor_correction_rms vs Slug



Right In: 692.244+/-0.114 χ^2/NDF: 3472588.6/31

Left Out: 248.891+/-0.041 χ^2/NDF:1663717.9/24

Right Out: 745.975+/-0.122 χ^2/NDF: 3542835.8/35

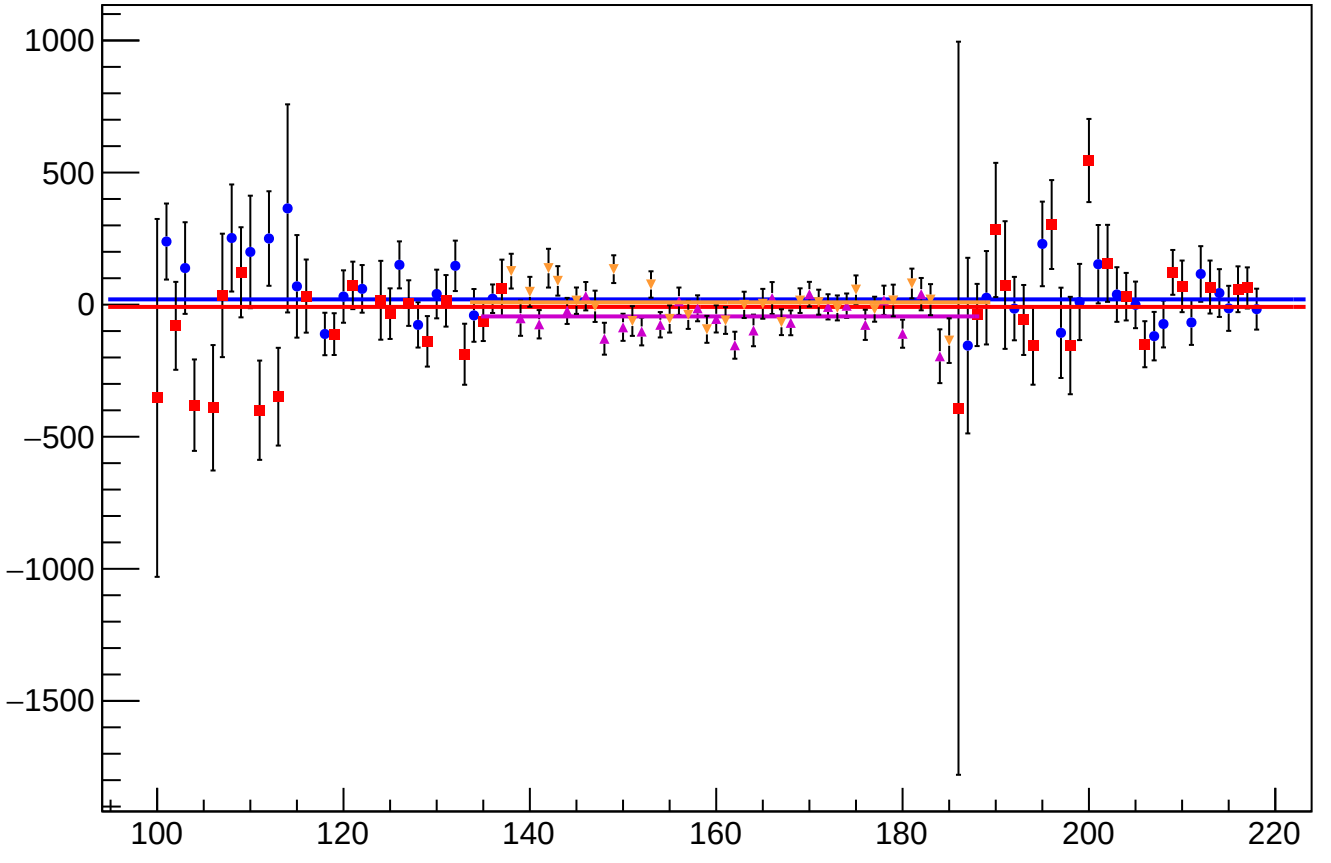
Left In: 247.109+/-0.042 χ^2/NDF:1484445.1/22

+ sign 299.378+/-0.039 χ^2/NDF: 18429794.4/56

All: 299.520+/-0.028 χ^2/NDF: 38440636.2/11

- sign 299.668+/-0.040 χ^2/NDF: 20010814.2/58

eigen_cor_asym_sam_1526_avg_mean vs Slug



Right In: 19.962+/-18.554 χ^2/NDF: 25.0/31

Left Out: 8.758+/-10.770 χ^2/NDF:34.6/24

Right Out: -8.593+/-19.467 χ^2/NDF: 52.3/35

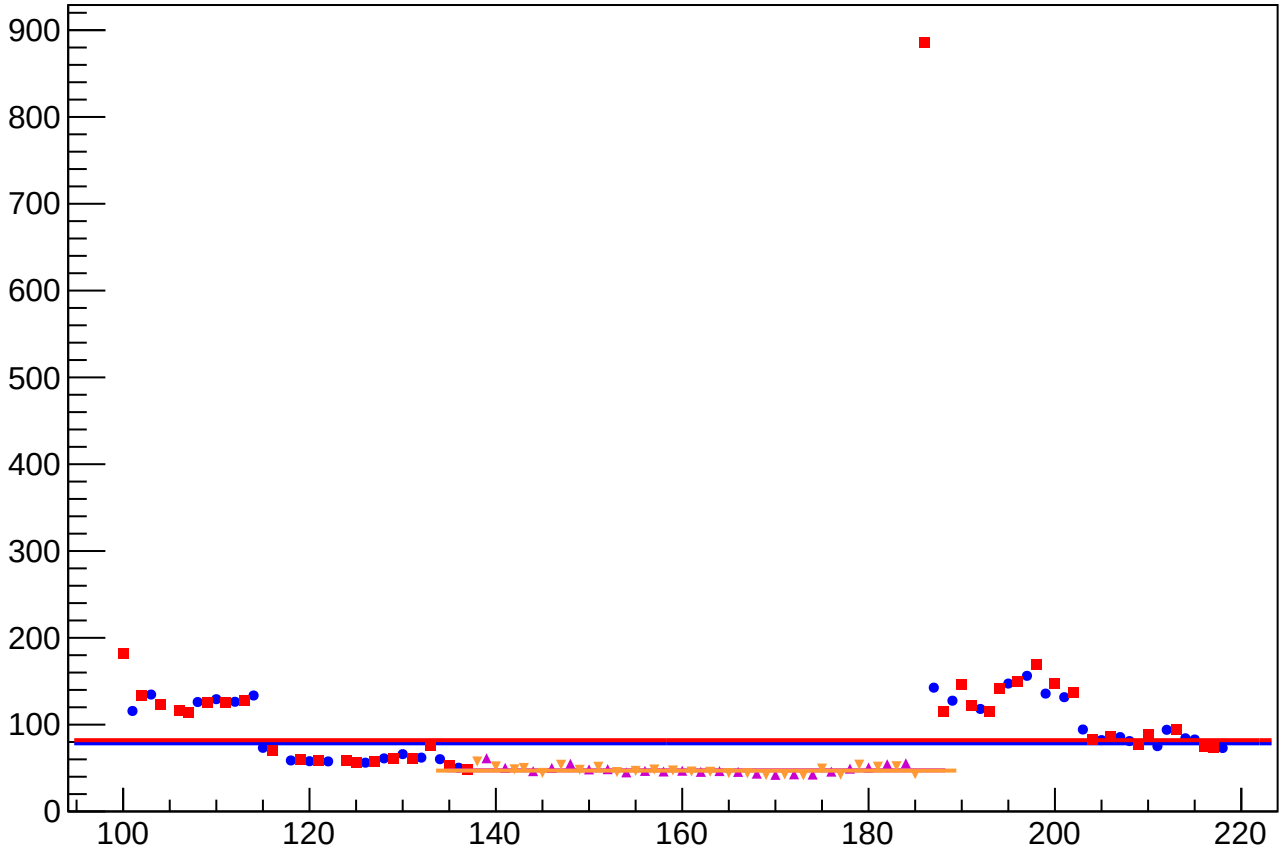
Left In: -44.540+/-11.149 χ^2/NDF:27.0/22

+ sign 11.581+/-9.314 χ^2/NDF: 59.9/56

All: -11.145+/-6.710 χ^2/NDF: 154.1/115

- sign -35.662+/-9.674 χ^2/NDF: 81.8/58

eigen_cor_asym_sam_1526_avg_rms vs Slug



Right In: 78.471+/-0.013 χ^2/NDF: 3912921.6/31

Left Out: 47.064+/-0.008 χ^2/NDF:287590.7/24

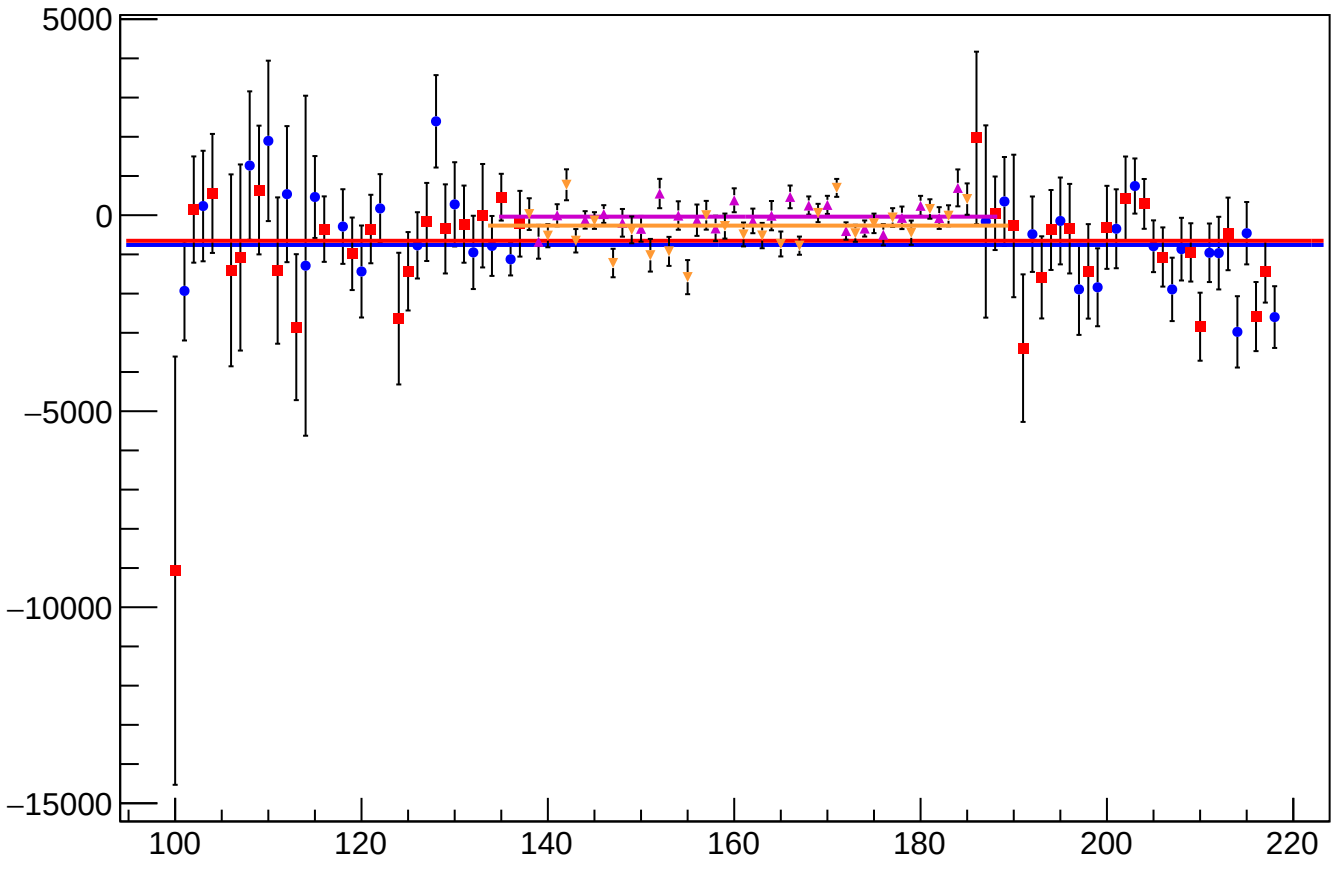
Right Out: 82.108+/-0.014 χ^2/NDF: 5068372.7/35

Left In: 47.384+/-0.008 χ^2/NDF:271036.5/22

+ sign 54.979+/-0.007 χ^2/NDF: 8486982.4/56

All: 55.451+/-0.005 χ^2/NDF: 18629036.3/115

- sign 55.960+/-0.007 χ^2/NDF: 10131384.6/58



Right In: -759.186+/-161.880 χ^2/NDF: 38.7/31

Left Out: -265.680+/-58.031 χ^2/NDF:69.8/24

Right Out: -652.970+/-172.392 χ^2/NDF: 34.0/35

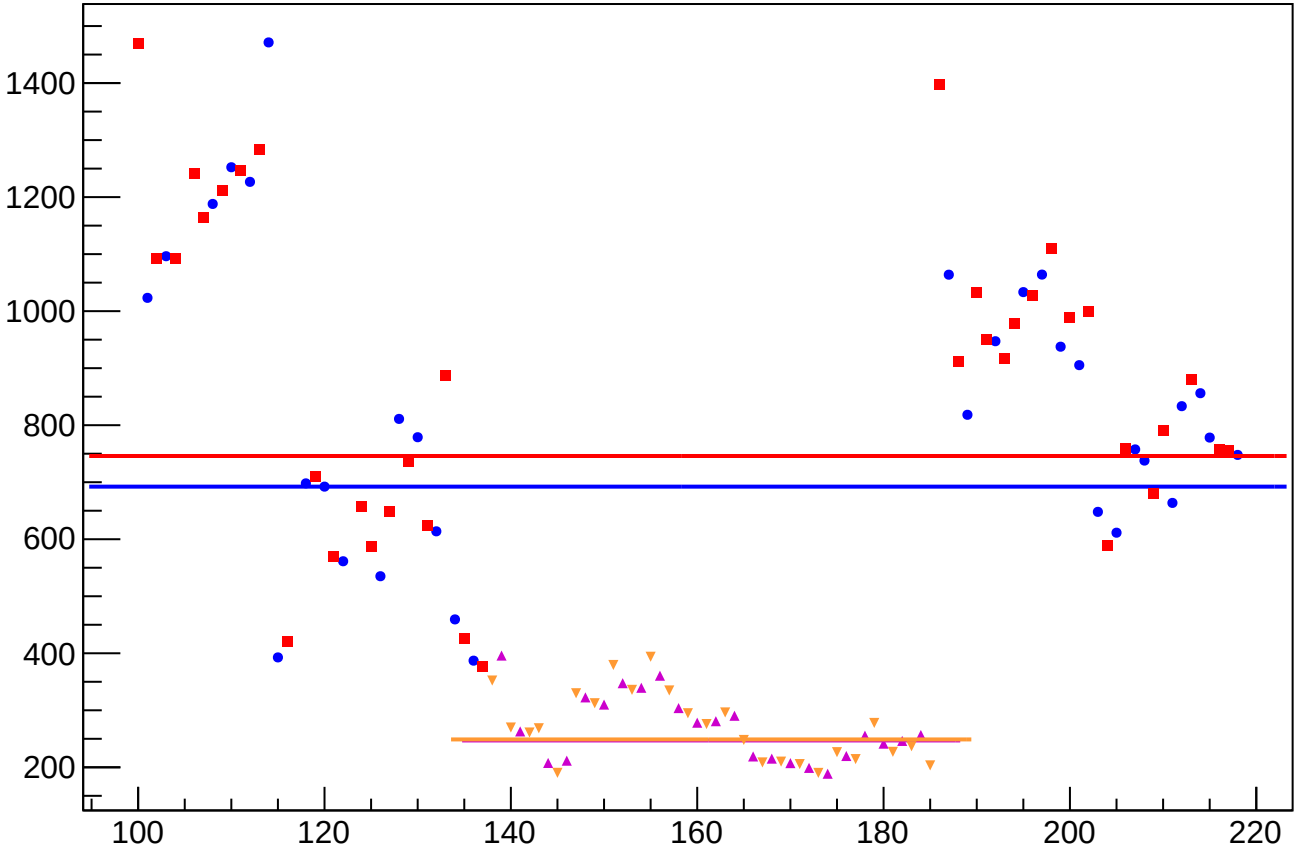
Left In: -37.527+/-59.159 χ^2/NDF:26.6/22

\+ sign -321.878+/-54.627 χ^2/NDF: 116.7/56

All: -214.761+/-39.089 χ^2/NDF: 196.6/115

\- sign -102.368+/-55.956 χ^2/NDF: 72.0/58

asym_sam_1526_avg_eigen_cor_correction_rms vs Slug



Right In: 692.244+/-0.114 χ^2/NDF: 3472588.6/31

Left Out: 248.891+/-0.041 χ^2/NDF:1663717.9/24

Right Out: 745.975+/-0.122 χ^2/NDF: 3542835.8/35

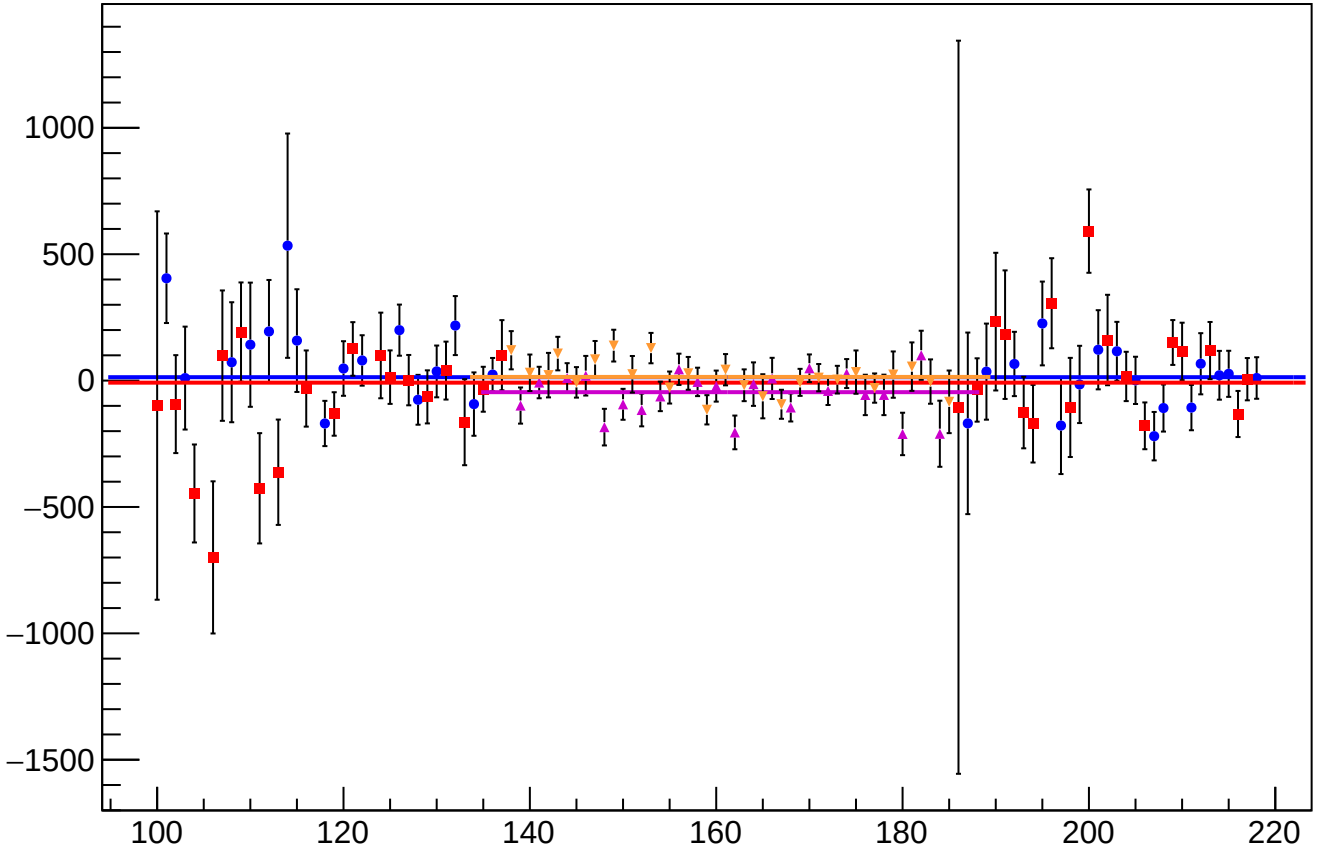
Left In: 247.109+/-0.042 χ^2/NDF:1484445.1/22

+ sign 299.378+/-0.039 χ^2/NDF: 18429794.4/56

All: 299.520+/-0.028 χ^2/NDF: 38440636.2/11

- sign 299.668+/-0.040 χ^2/NDF: 20010814.2/58

dit_asym_sam_1526_avg_mean vs Slug



Right In: 13.469+/-20.659 χ^2/NDF: 34.7/31

Left Out: 14.498+/-13.454 χ^2/NDF:24.5/24

Right Out: -8.159+/-21.807 χ^2/NDF: 56.2/35

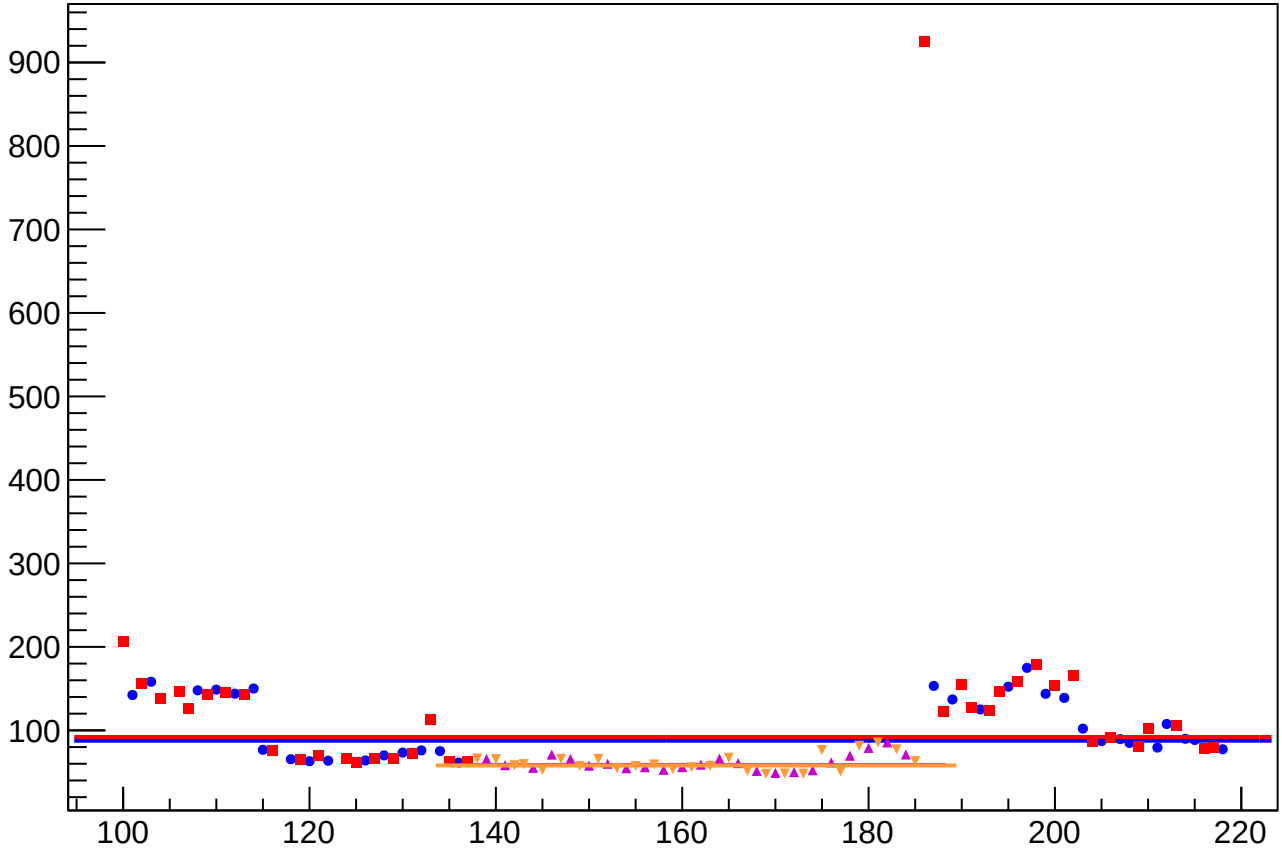
Left In: -45.806+/-13.931 χ^2/NDF:30.7/22

+ sign 14.192+/-11.274 χ^2/NDF: 59.3/56

All: -9.358+/-8.132 χ^2/NDF: 157.4/115

- sign -34.895+/-11.740 χ^2/NDF: 89.1/58

dit_asym_sam_1526_avg_rms vs Slug



Right In: 87.627+/-0.015 χ^2/NDF: 3506524.6/31

Left Out: 57.965+/-0.010 χ^2/NDF:896947.4/24

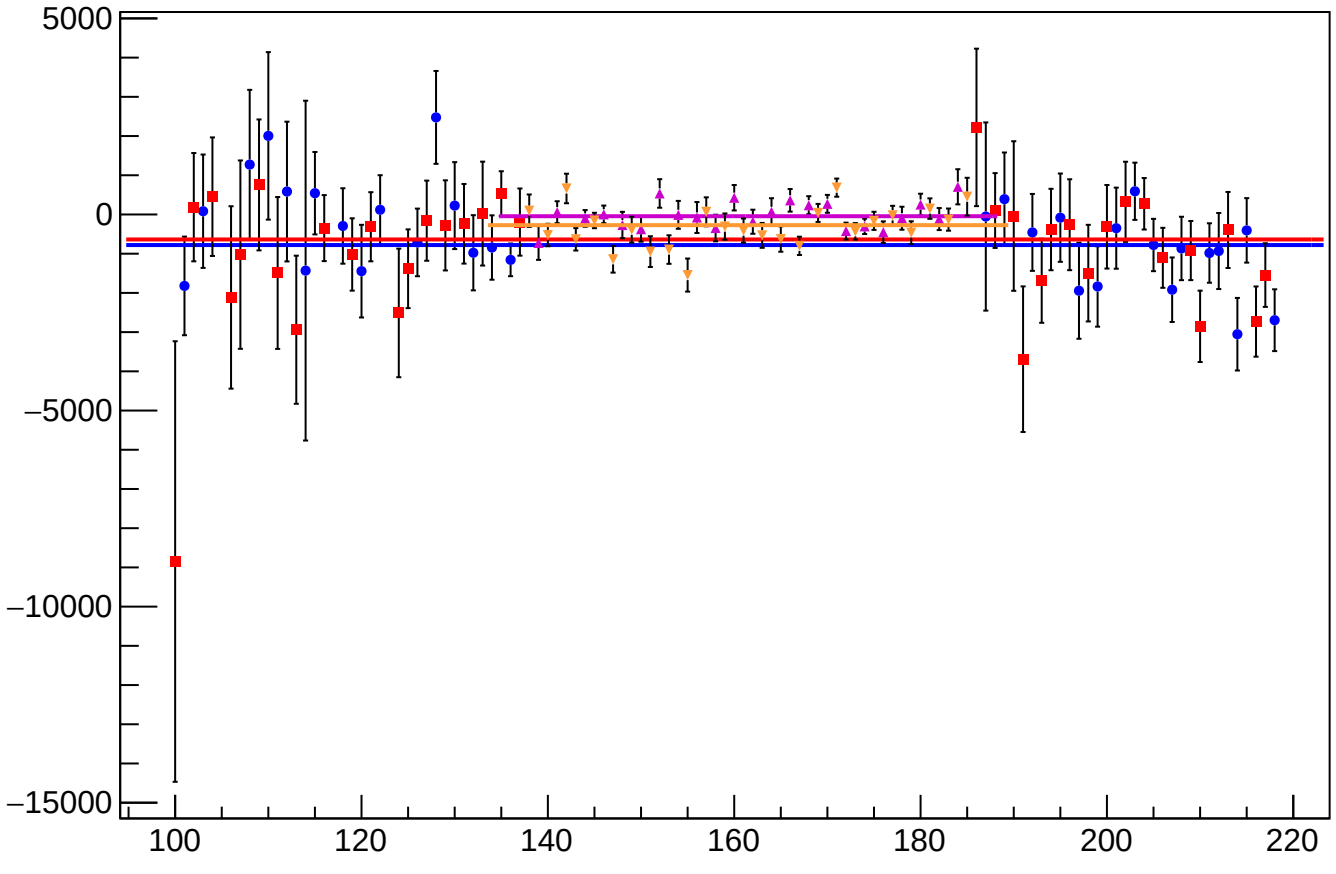
Right Out: 92.051+/-0.015 χ^2/NDF: 4741647.1/35

Left In: 58.479+/-0.010 χ^2/NDF:649919.9/22

+ sign 66.799+/-0.008 χ^2/NDF: 7298595.4/56

All: 67.476+/-0.006 χ^2/NDF: 16071367.4/115

- sign 68.209+/-0.008 χ^2/NDF: 8757768.2/58



Right In: -779.779+/-165.235 χ^2/NDF: 38.4/31

Left Out: -272.513+/-57.274 χ^2/NDF:65.8/24

Right Out: -637.227+/-174.166 χ^2/NDF: 36.5/35

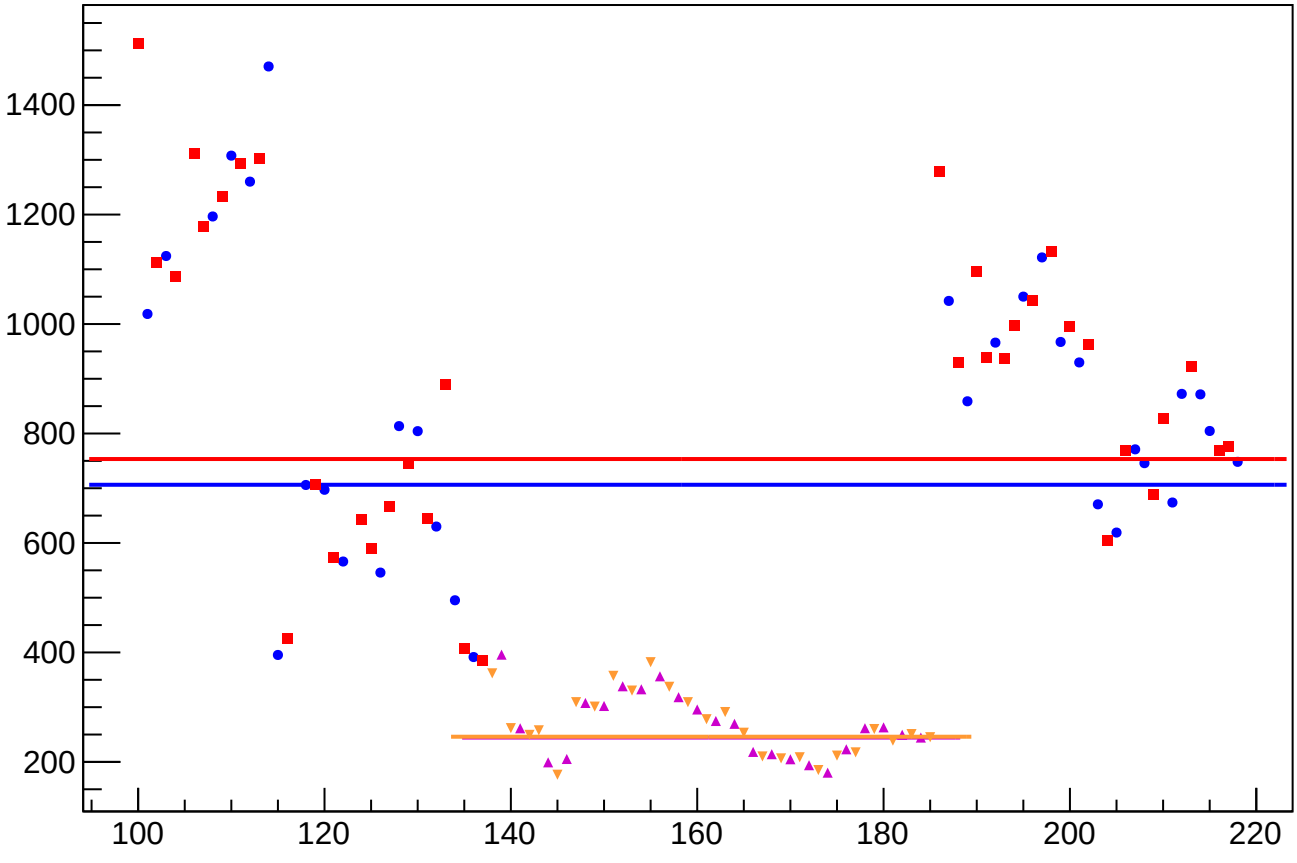
Left In: -44.553+/-58.614 χ^2/NDF:26.5/22

+ sign -326.923+/-54.115 χ^2/NDF: 112.5/56

All: -218.796+/-38.764 χ^2/NDF: 194.1/115

- sign -104.850+/-55.553 χ^2/NDF: 73.4/58

asym_sam_1526_avg_dit_correction_rms vs Slug



Right In: 706.336+/-0.117 χ^2/NDF: 3518585.1/31

Left Out: 246.017+/-0.040 χ^2/NDF:1680565.1/24

Right Out: 753.366+/-0.123 χ^2/NDF: 3709812.8/35

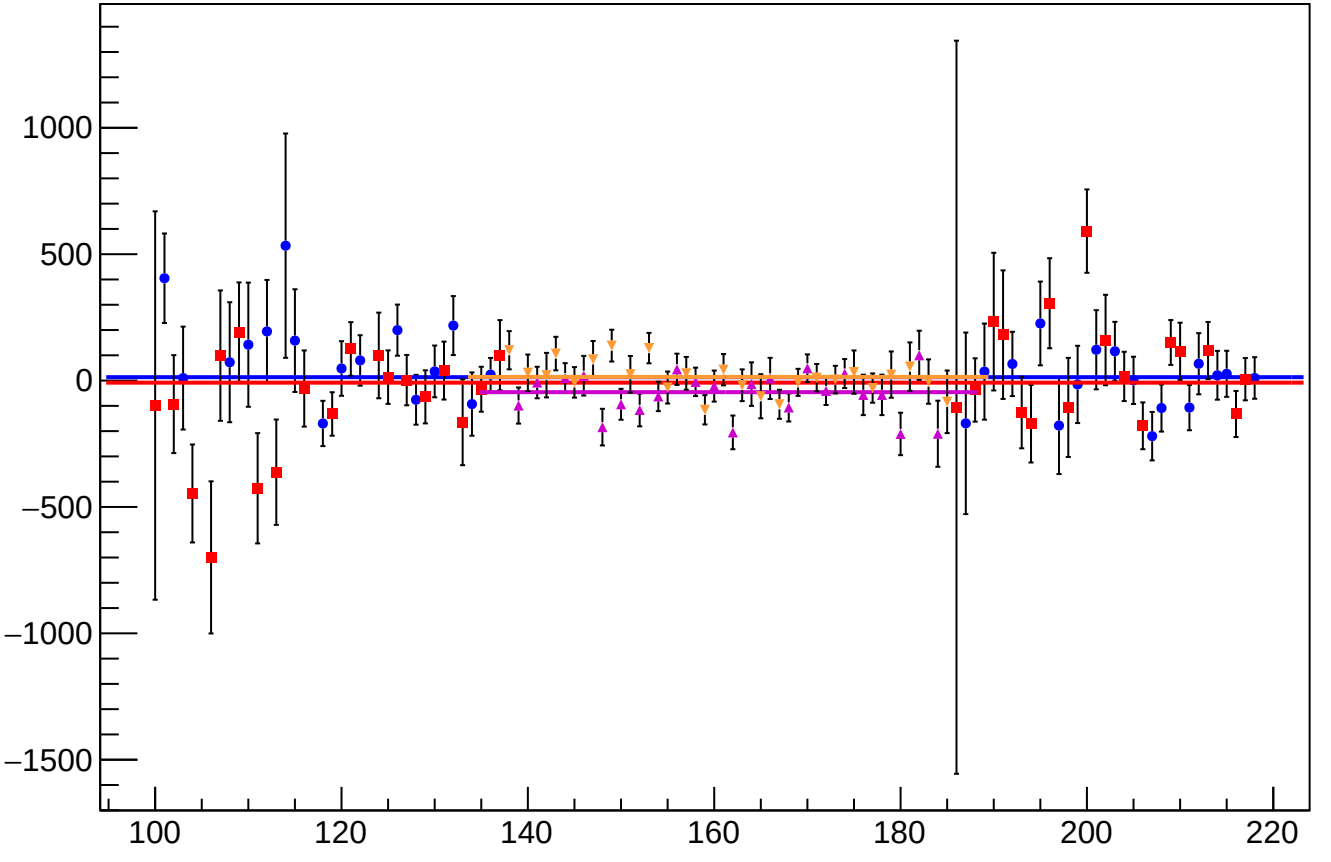
Left In: 244.450+/-0.041 χ^2/NDF:1596988.0/22

+ sign 295.390+/-0.038 χ^2/NDF: 19056170.9/56

All: 295.797+/-0.027 χ^2/NDF: 39702210.6/11

- sign 296.226+/-0.039 χ^2/NDF: 20645807.5/58

eigen_dit_asym_sam_1526_avg_mean vs Slug



Right In: 13.471+/-20.659 χ^2/NDF: 34.7/31

Left Out: 14.498+/-13.454 χ^2/NDF:24.5/24

Right Out: -8.158+/-21.807 χ^2/NDF: 56.2/35

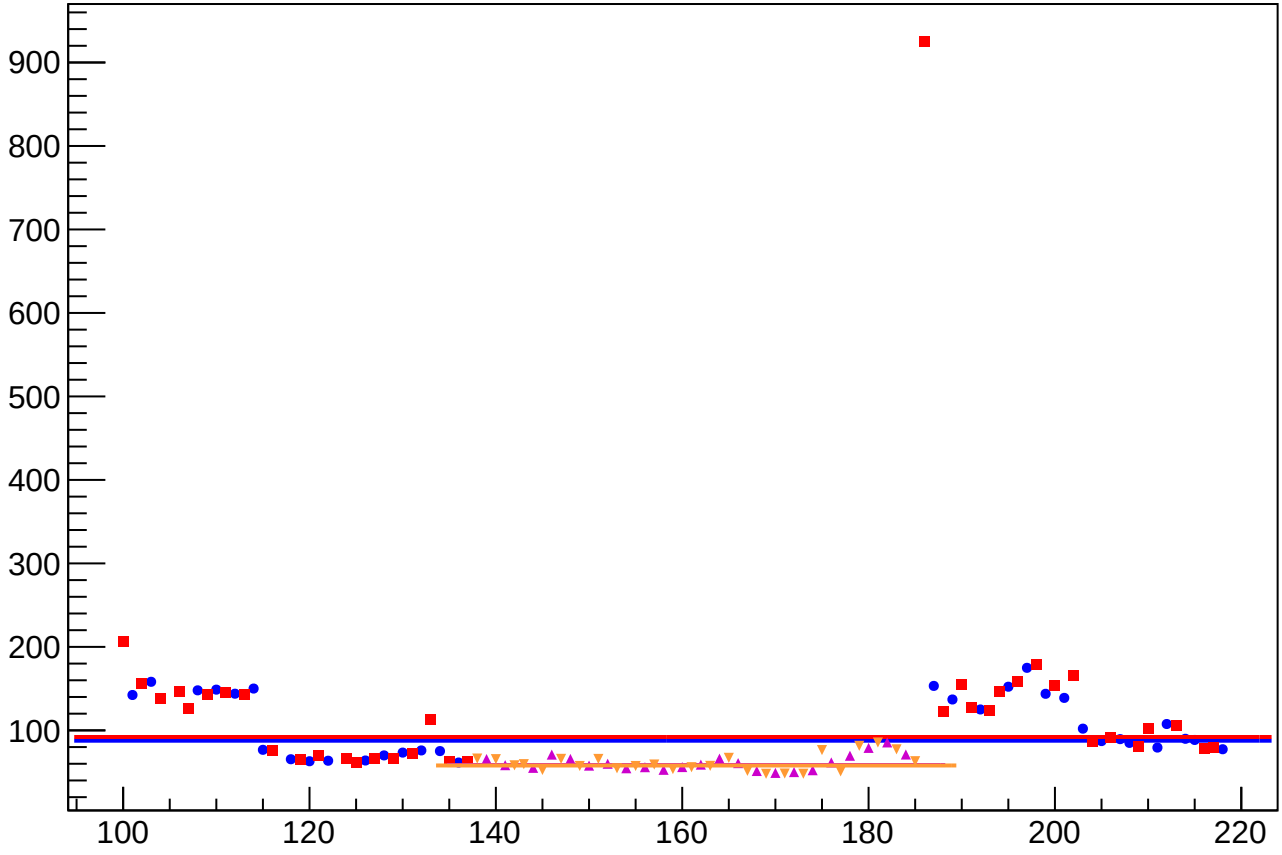
Left In: -45.805+/-13.931 χ^2/NDF:30.7/22

+ sign 14.192+/-11.274 χ^2/NDF: 59.3/56

All: -9.358+/-8.132 χ^2/NDF: 157.4/115

- sign -34.894+/-11.740 χ^2/NDF: 89.1/58

eigen_dit_asym_sam_1526_avg_rms vs Slug



Right In: 87.627+/-0.015 χ^2/NDF: 3506527.6/31

Left Out: 57.965+/-0.010 χ^2/NDF:896952.8/24

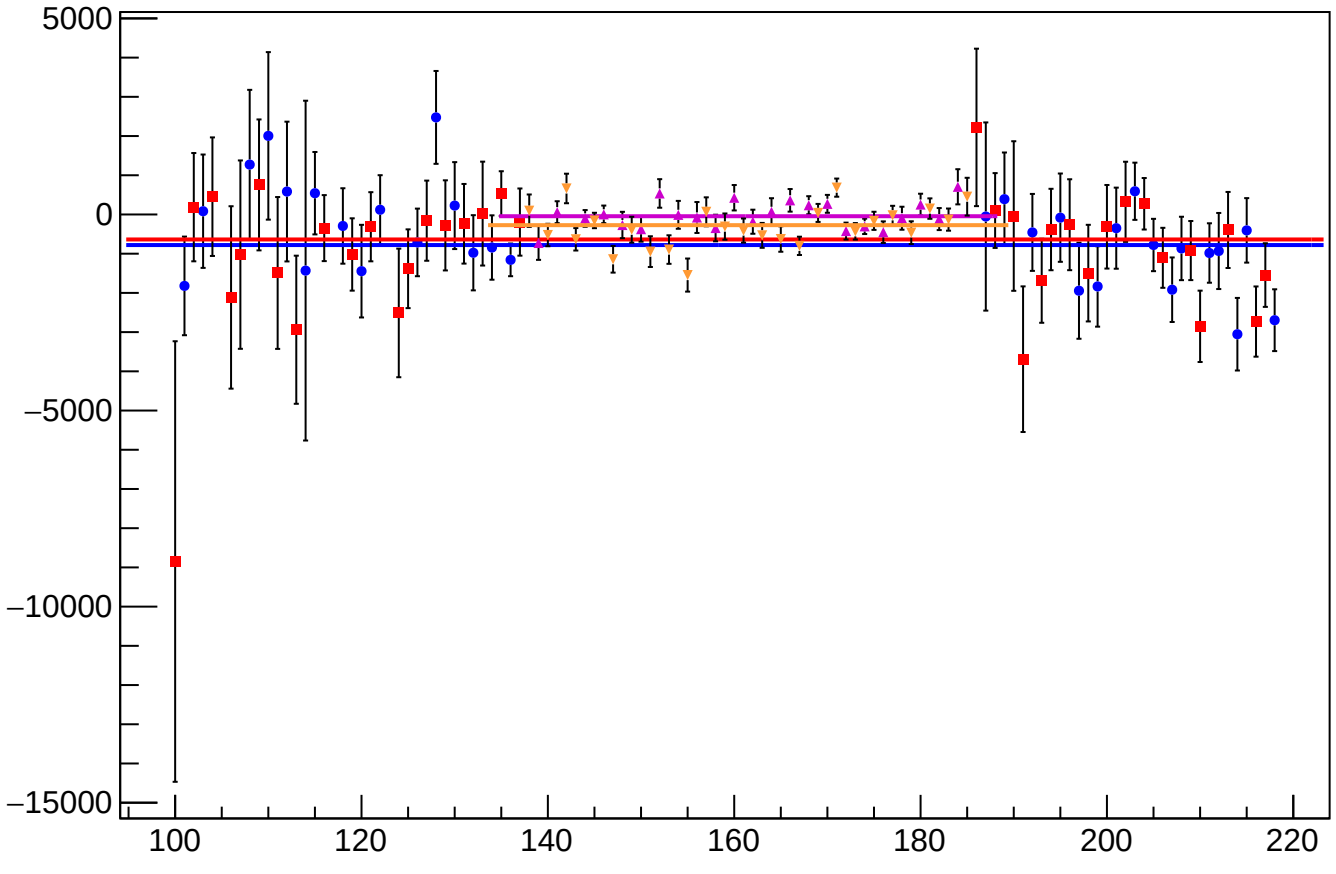
Right Out: 92.051+/-0.015 χ^2/NDF: 4741660.0/35

Left In: 58.479+/-0.010 χ^2/NDF:649911.4/22

+ sign 66.799+/-0.008 χ^2/NDF: 7298547.3/56

All: 67.476+/-0.006 χ^2/NDF: 16071246.7/115

- sign 68.209+/-0.008 χ^2/NDF: 8757694.2/58



Right In: -779.777+/-165.235 χ^2/NDF: 38.4/31

Left Out: -272.512+/-57.274 χ^2/NDF:65.8/24

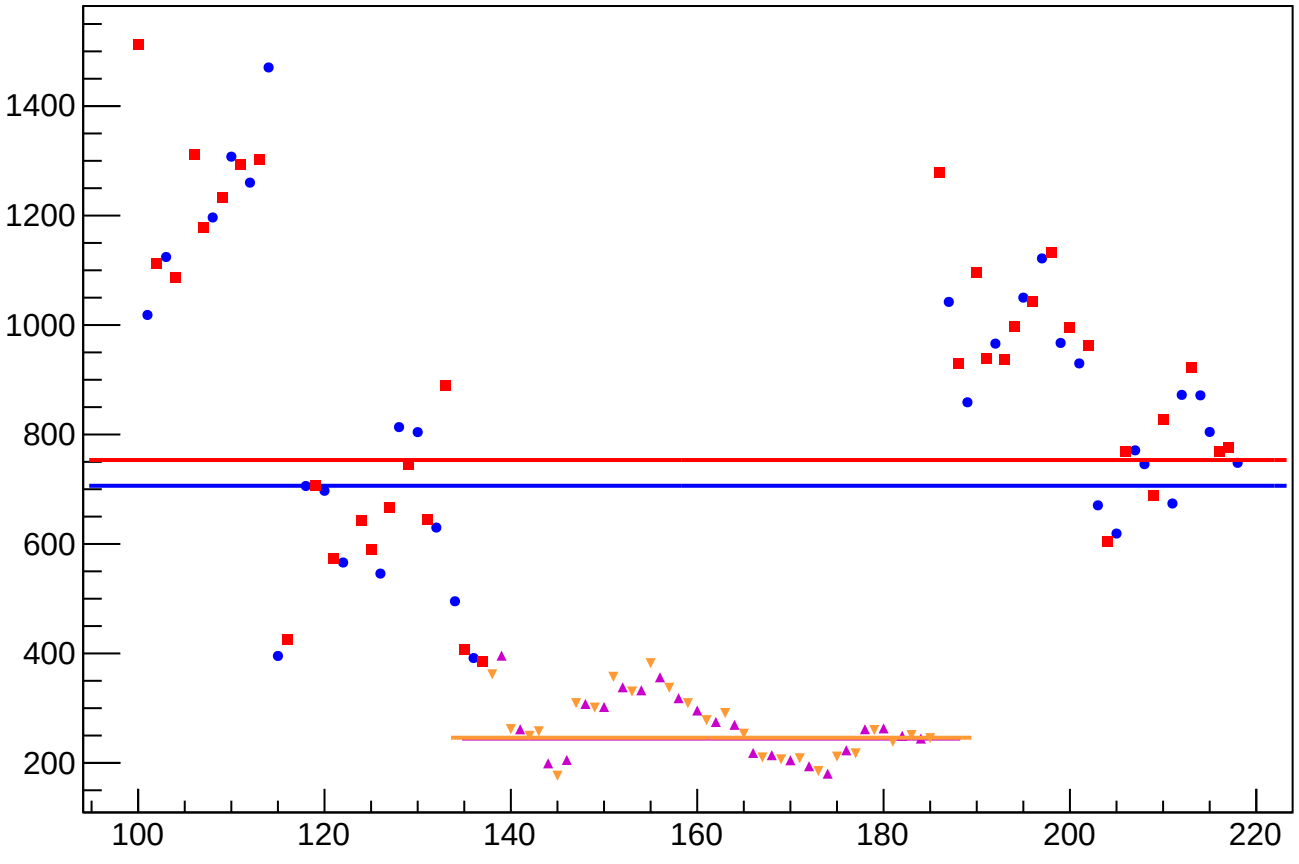
Right Out: -637.226+/-174.166 χ^2/NDF: 36.5/35

Left In: -44.552+/-58.614 χ^2/NDF:26.5/22

+ sign -326.922+/-54.115 χ^2/NDF: 112.5/56

All: -218.796+/-38.763 χ^2/NDF: 194.1/115

- sign -104.850+/-55.553 χ^2/NDF: 73.4/58



Right In: 706.336+/-0.117 χ^2/NDF: 3518568.4/31

Left Out: 246.016+/-0.040 χ^2/NDF:1680566.1/24

Right Out: 753.365+/-0.123 χ^2/NDF: 3709792.3/35

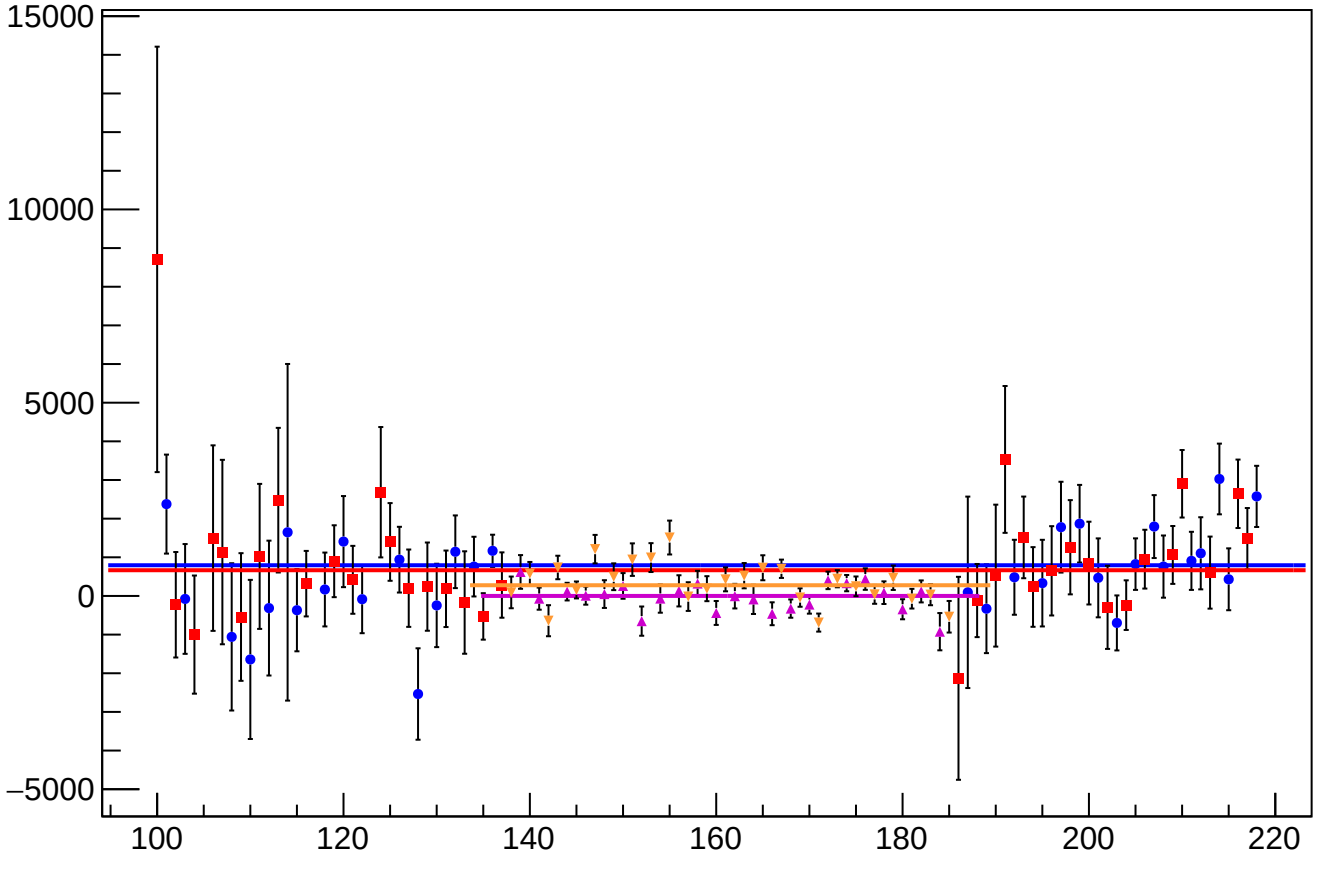
Left In: 244.450+/-0.041 χ^2/NDF:1596977.8/22

+ sign 295.390+/-0.038 χ^2/NDF: 19056181.5/56

All: 295.797+/-0.027 χ^2/NDF: 39702211.4/11

- sign 296.226+/-0.039 χ^2/NDF: 20645797.6/58

asym_sam_1526_avg_mean vs Slug



Right In: 794.426+/-163.242 χ^2/NDF: 38.0/31

Left Out: 277.077+/-59.149 χ^2/NDF:64.1/24

Right Out: 665.380+/-173.852 χ^2/NDF: 33.8/35

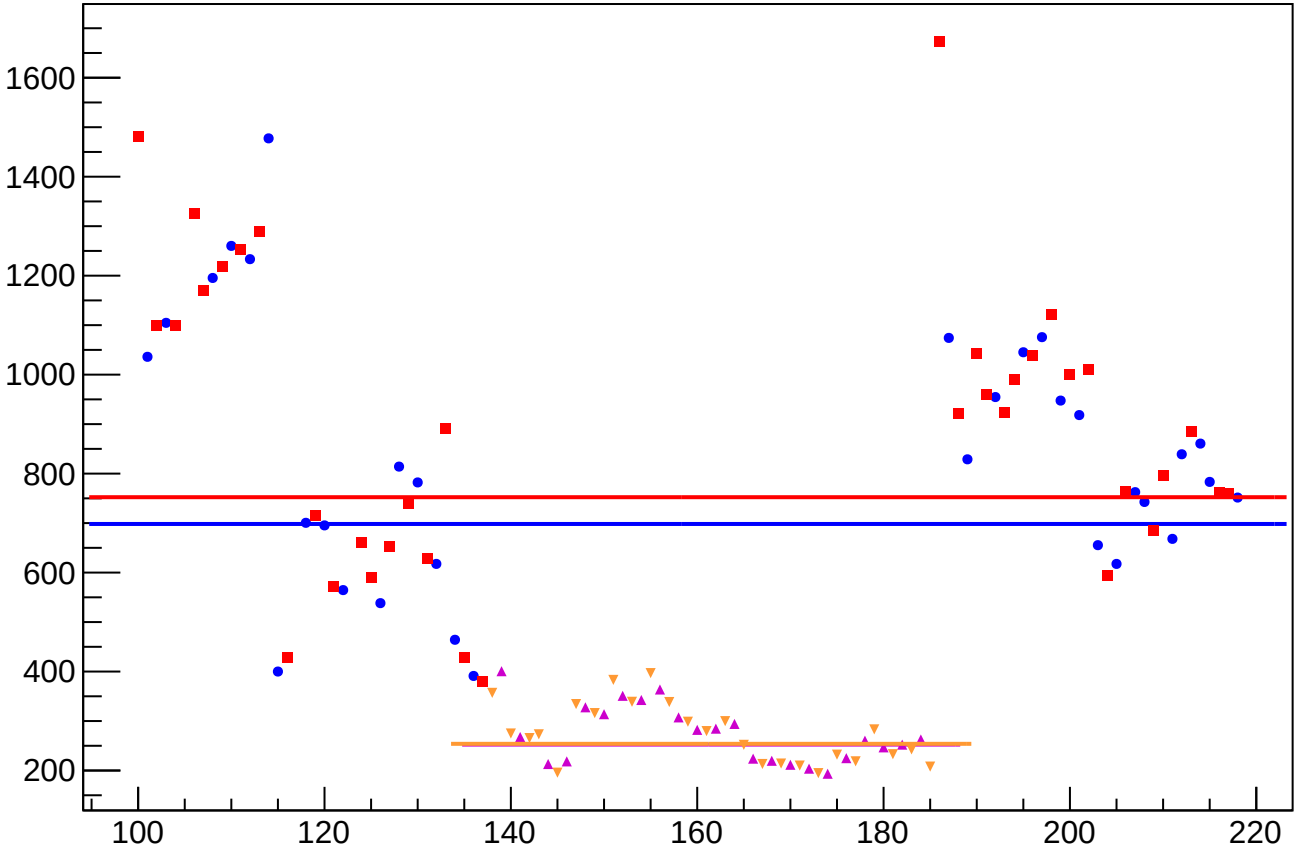
Left In: 0.556+/-60.356 χ^2/NDF:28.1/22

+ sign 337.117+/-55.611 χ^2/NDF: 110.9/56

All: 207.902+/-39.811 χ^2/NDF: 197.0/115

- sign 72.066+/-57.018 χ^2/NDF: 75.0/58

asym_sam_1526_avg_rms vs Slug



Right In: 698.230+/-0.115 χ^2/NDF: 3456292.7/31

Left Out: 253.953+/-0.042 χ^2/NDF:1590761.5/24

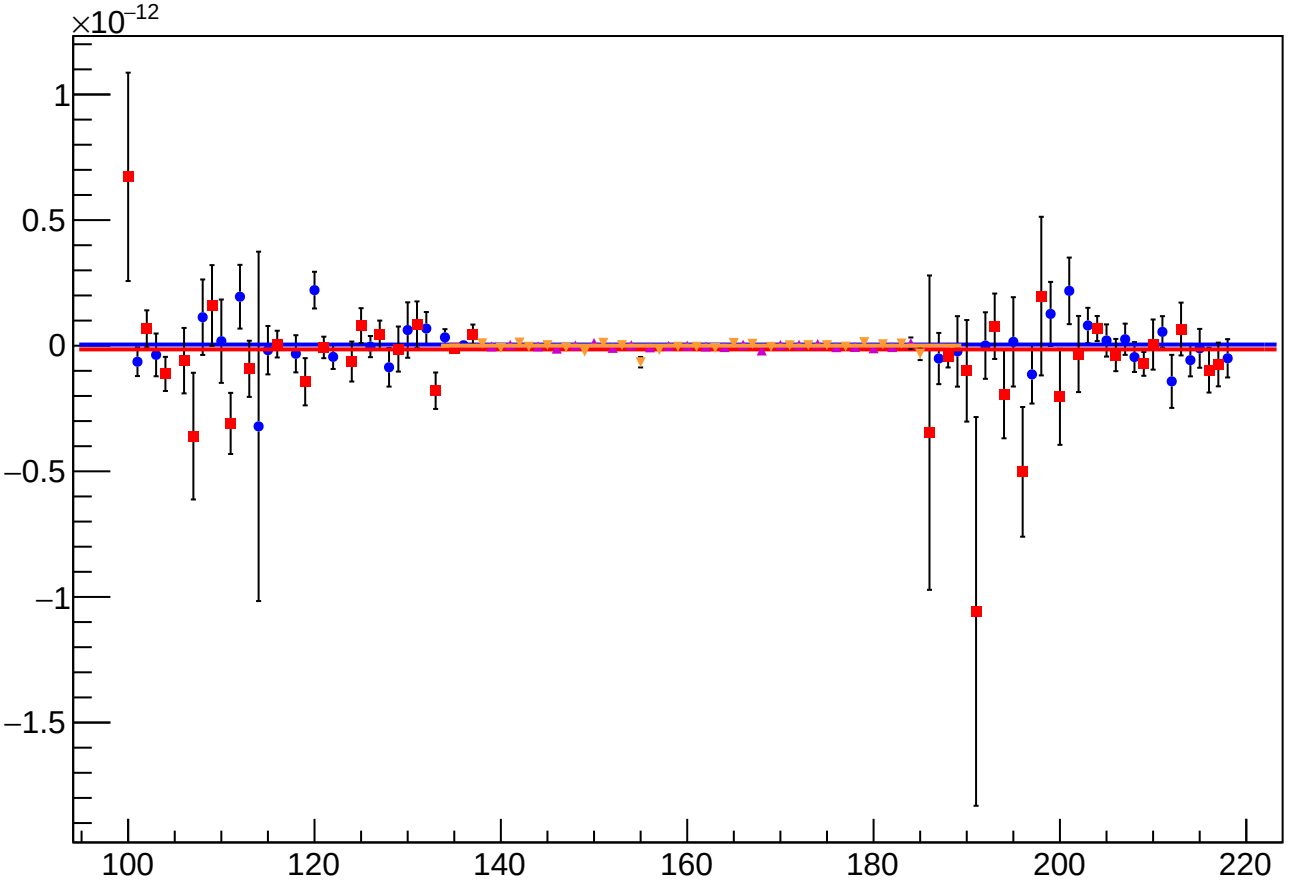
Right Out: 752.327+/-0.123 χ^2/NDF: 3643975.0/35

Left In: 252.390+/-0.043 χ^2/NDF:1412169.8/22

+ sign 305.513+/-0.039 χ^2/NDF: 18141935.3/56

All: 305.830+/-0.028 χ^2/NDF: 37957950.8/11

- sign 306.164+/-0.040 χ^2/NDF: 19815881.5/58



Right In: 0.000+/-0.000 χ^2/NDF: 29.3/31

Left Out: 0.000+/-0.000 χ^2/NDF:26.9/24

Right Out: -0.000+/-0.000 χ^2/NDF: 45.1/35

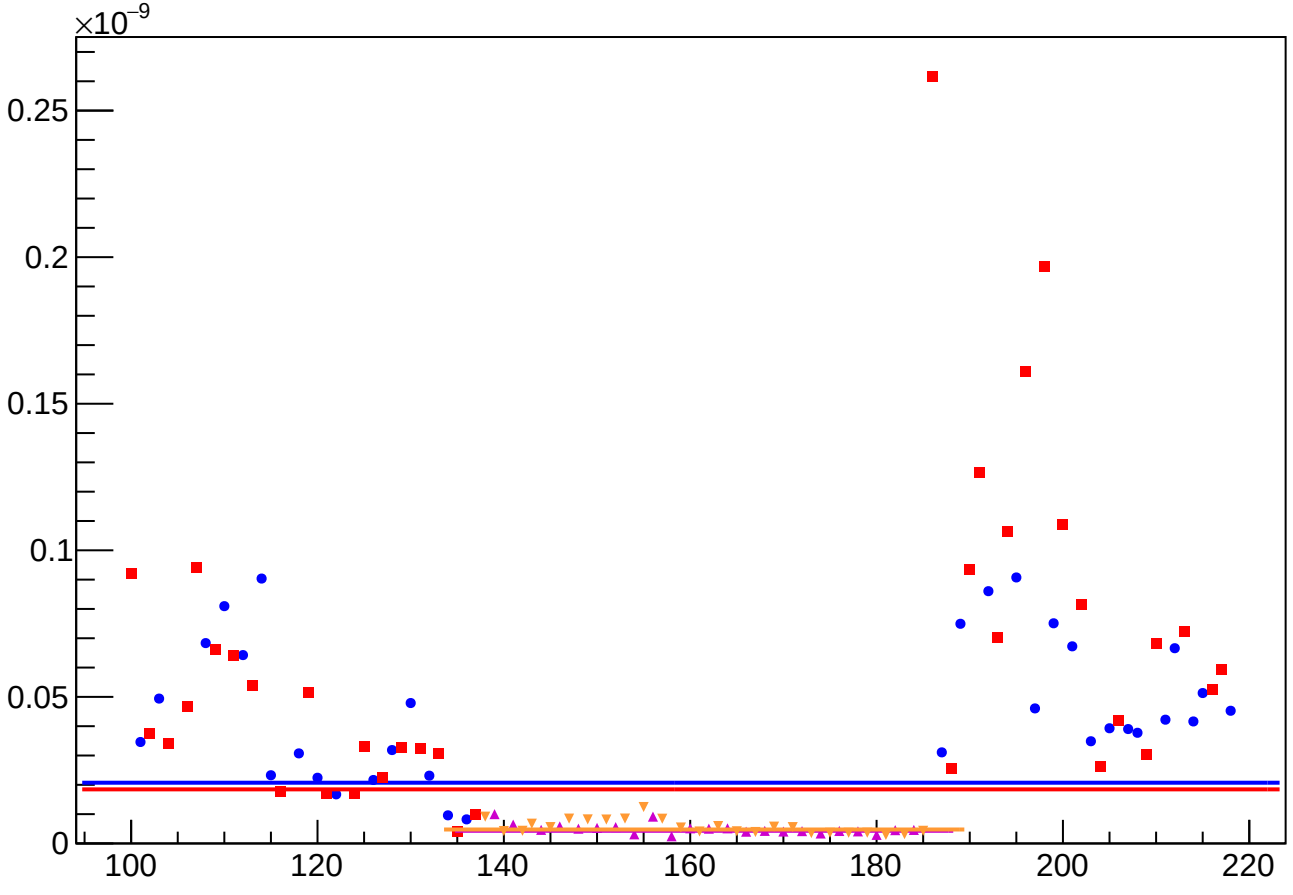
Left In: -0.000+/-0.000 χ^2/NDF:14.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 56.4/56

All: -0.000+/-0.000 χ^2/NDF: 118.4/115

- sign -0.000+/-0.000 χ^2/NDF: 60.9/58

asym_sam_1526_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 7004912.6/31

Left Out: 0.000+/-0.000 χ^2/NDF:1613401.1/24

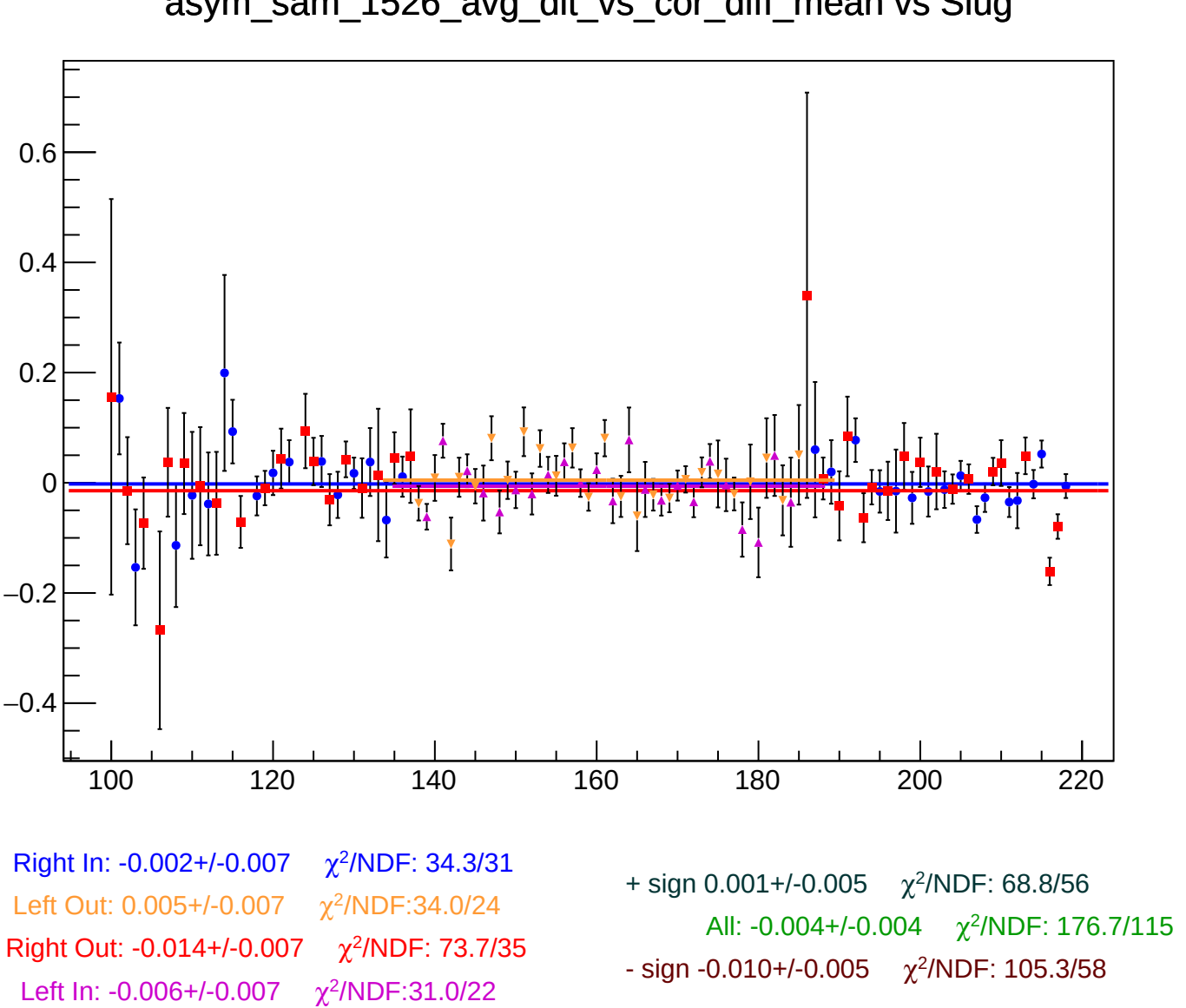
Right Out: 0.000+/-0.000 χ^2/NDF: 9874994.3/35

Left In: 0.000+/-0.000 χ^2/NDF:983290.8/22

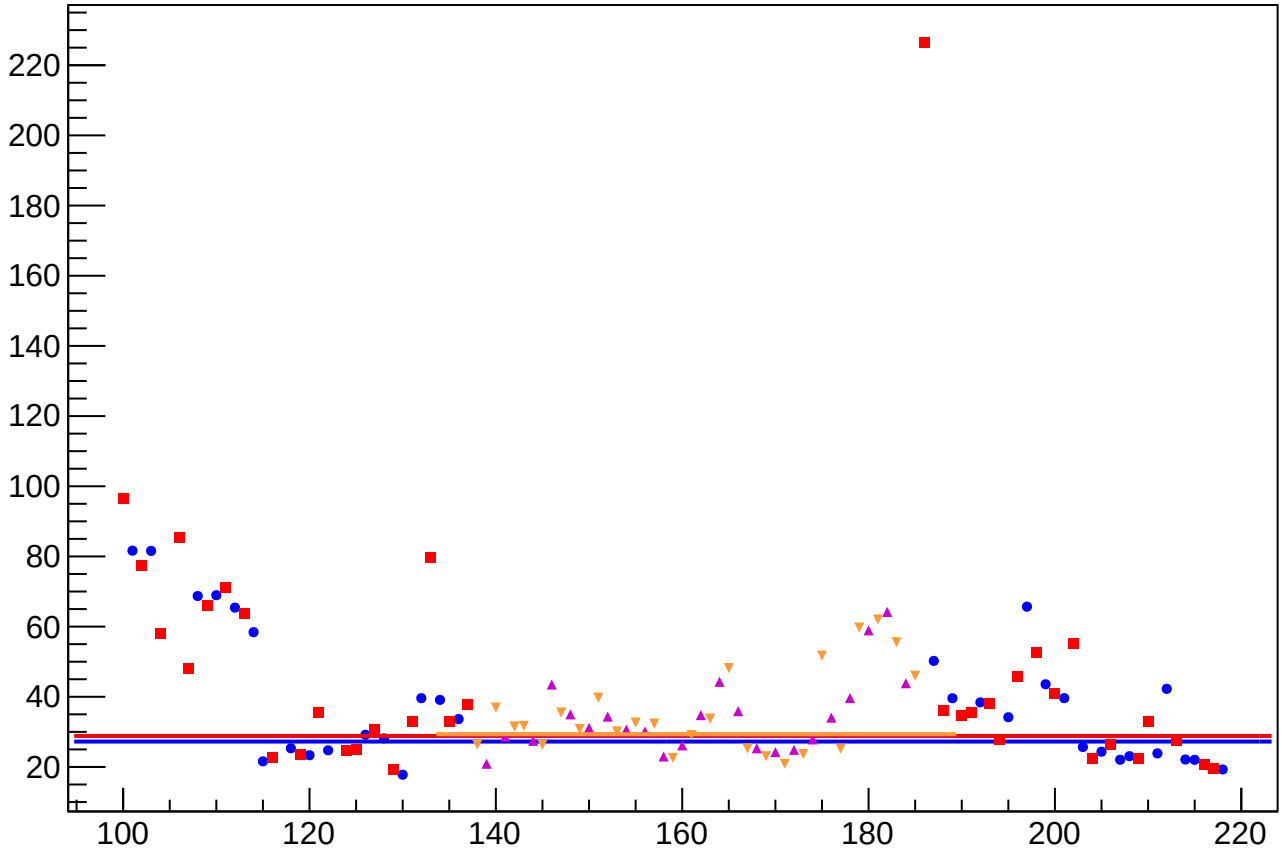
+ sign 0.000+/-0.000 χ^2/NDF: 14180045.8/56

All: 0.000+/-0.000 χ^2/NDF: 29444293.7/115

- sign 0.000+/-0.000 χ^2/NDF: 15177370.3/58


asym_sam_1526_avg_dit_vs_cor_diff_mean vs Slug
0.6
0.4
0.2
0
–0.2
–0.4
100
120
140
160
180
200
220
Right In: -0.002+/-0.007 χ²/NDF: 34.3/31
Left Out: 0.005+/-0.007 χ²/NDF:34.0/24
Right Out: -0.014+/-0.007 χ²/NDF: 73.7/35
Left In: -0.006+/-0.007 χ²/NDF:31.0/22
+ sign 0.001+/-0.005 χ²/NDF: 68.8/56
All: -0.004+/-0.004 χ²/NDF: 176.7/115
- sign -0.010+/-0.005 χ²/NDF: 105.3/58

asym_sam_1526_avg_dit_vs_cor_diff_rms vs Slug



Right In: 27.239+/-0.005 χ^2/NDF: 4634409.7/31

Left Out: 29.338+/-0.005 χ^2/NDF:2687159.2/24

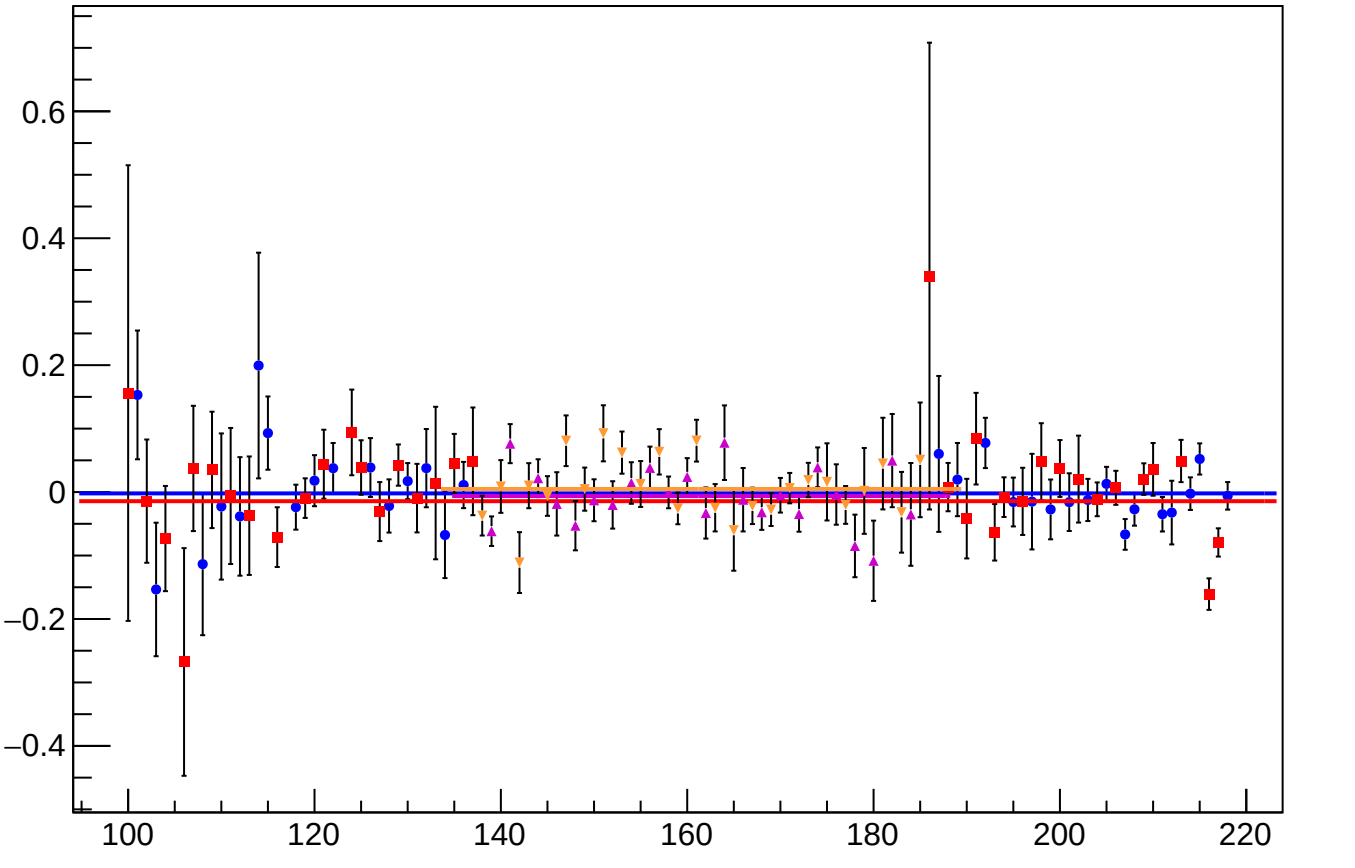
Right Out: 28.836+/-0.005 χ^2/NDF: 5329952.5/35

Left In: 29.226+/-0.005 χ^2/NDF:2097657.8/22

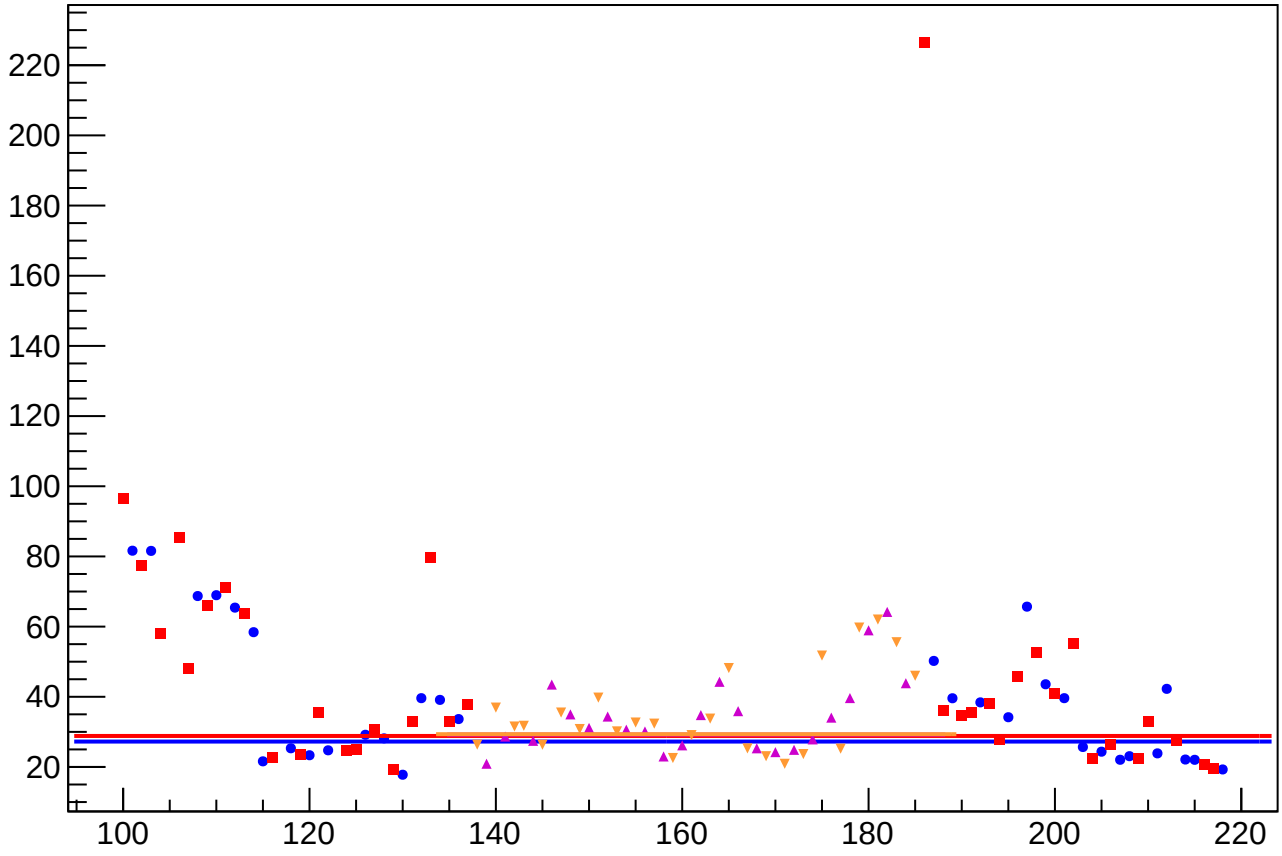
+ sign 28.241+/-0.003 χ^2/NDF: 7412758.3/56

All: 28.619+/-0.003 χ^2/NDF: 14868062.1/115

- sign 29.030+/-0.004 χ^2/NDF: 7430516.2/58


asym_sam_1526_avg_dit_vs_eigen_cor_diff_mean vs Slug
0.6
0.4
0.2
0
−0.2
−0.4
100
120
140
160
180
200
220
Right In: -0.002+/-0.007 χ²/NDF: 34.3/31
Left Out: 0.005+/-0.007 χ²/NDF:34.0/24
Right Out: -0.014+/-0.007 χ²/NDF: 73.7/35
Left In: -0.006+/-0.007 χ²/NDF:31.0/22
+ sign 0.001+/-0.005 χ²/NDF: 68.8/56
All: -0.004+/-0.004 χ²/NDF: 176.7/115
- sign -0.010+/-0.005 χ²/NDF: 105.3/58

asym_sam_1526_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 27.239+/-0.005 χ^2/NDF: 4634409.7/31

Left Out: 29.338+/-0.005 χ^2/NDF:2687159.2/24

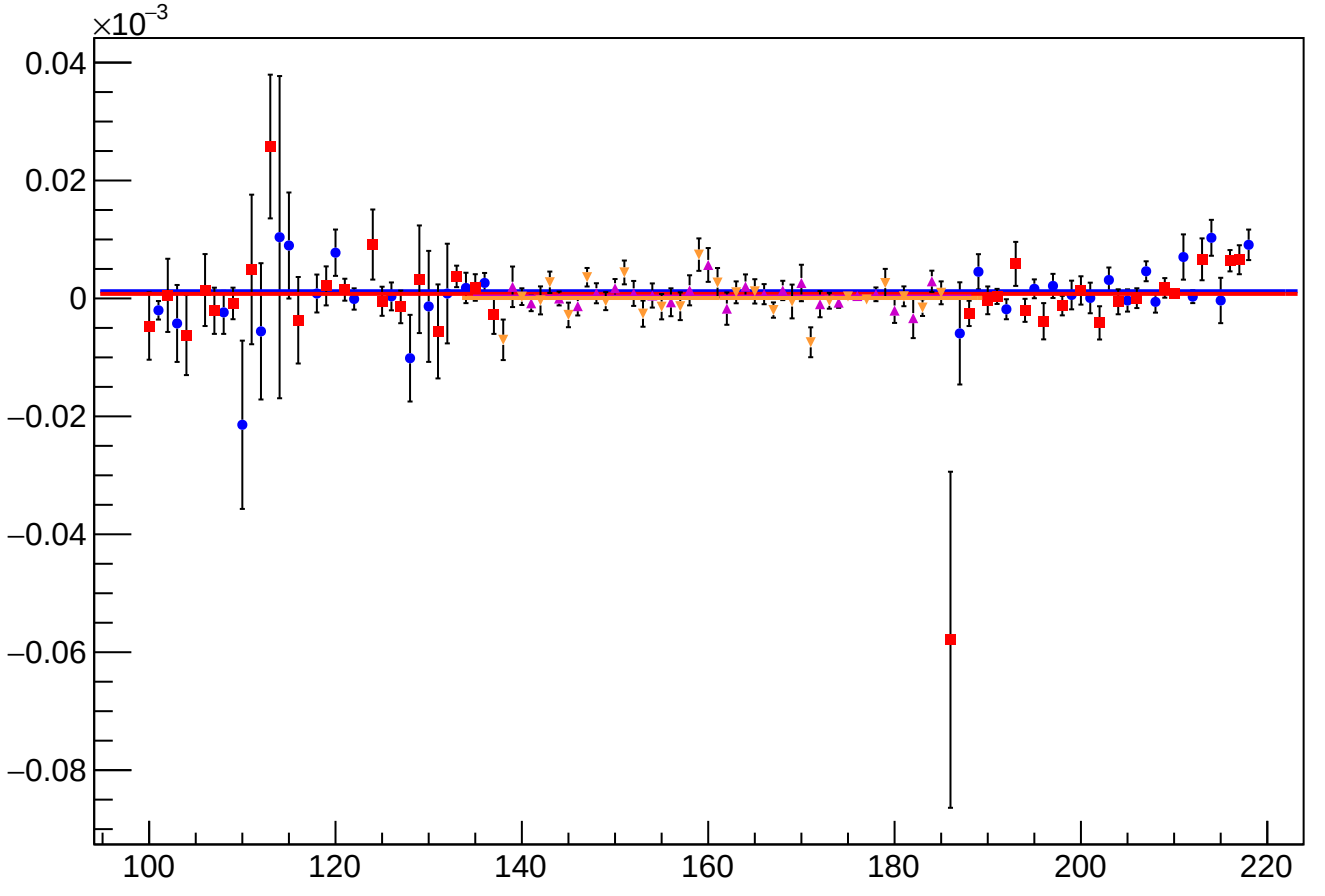
Right Out: 28.836+/-0.005 χ^2/NDF: 5329952.5/35

Left In: 29.226+/-0.005 χ^2/NDF:2097657.8/22

+ sign 28.241+/-0.003 χ^2/NDF: 7412758.3/56

All: 28.619+/-0.003 χ^2/NDF: 14868062.1/115

- sign 29.030+/-0.004 χ^2/NDF: 7430516.2/58



Right In: 0.000+/-0.000 χ^2/NDF: 49.7/31

Left Out: 0.000+/-0.000 χ^2/NDF:43.7/24

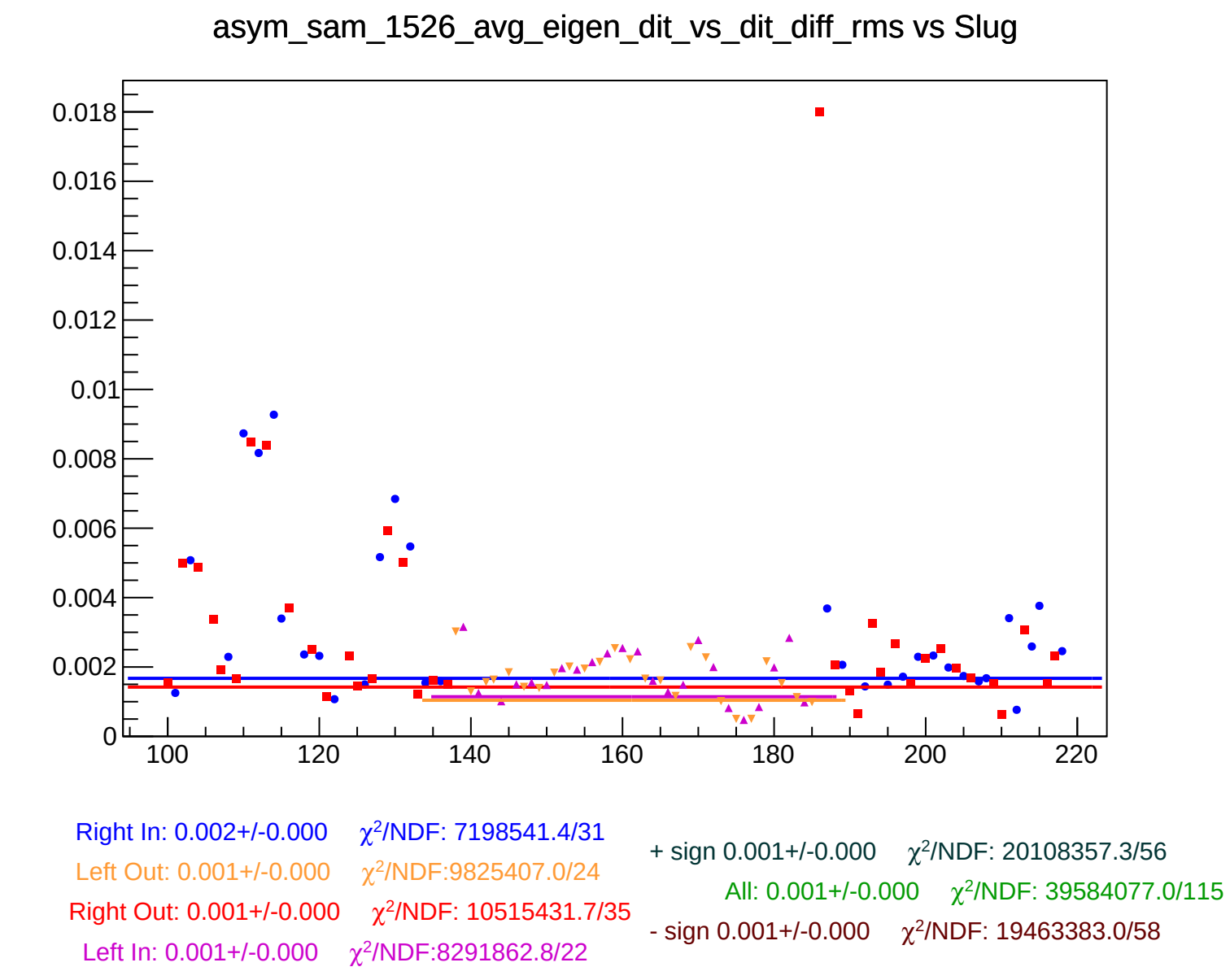
Right Out: 0.000+/-0.000 χ^2/NDF: 52.0/35

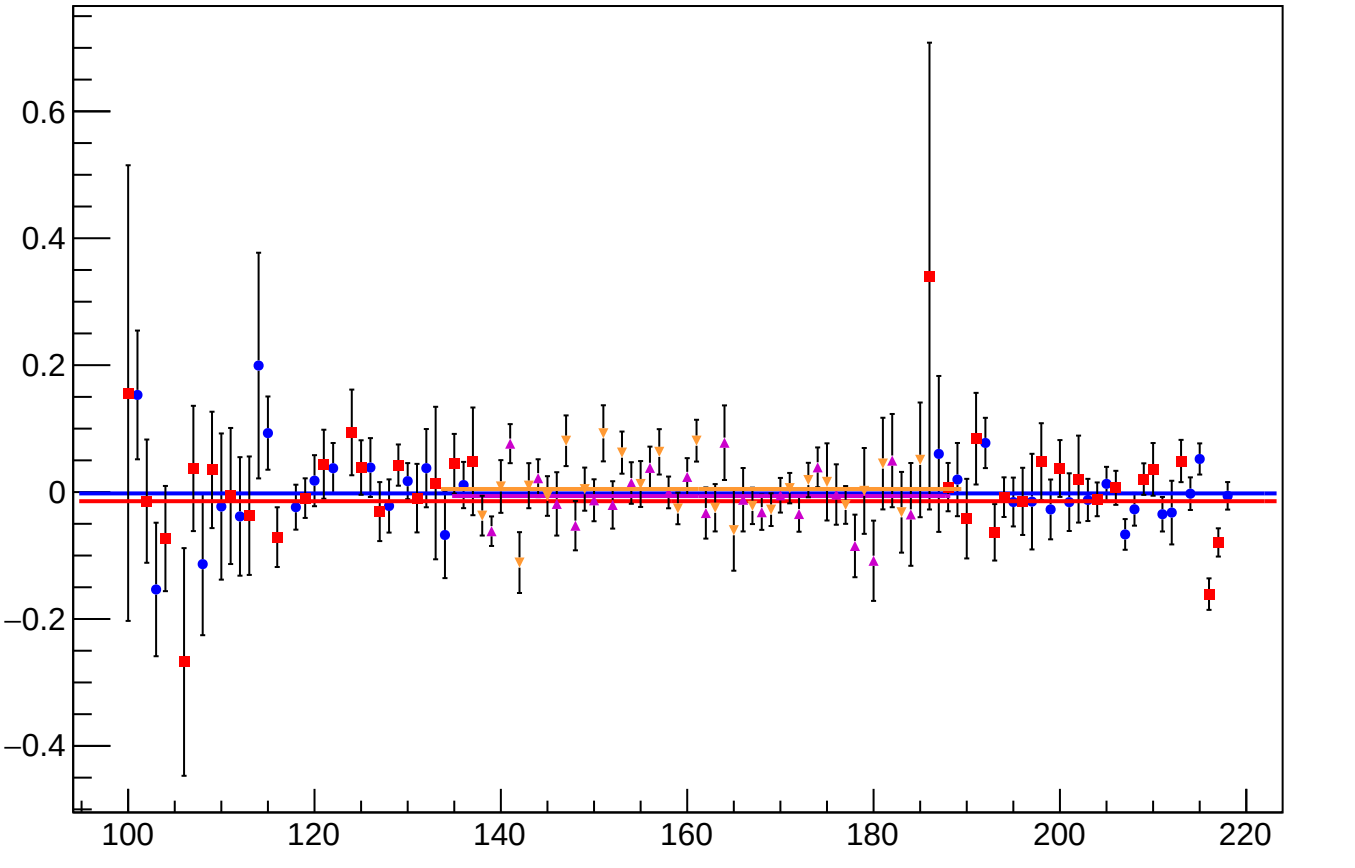
Left In: 0.000+/-0.000 χ^2/NDF:15.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 98.6/56

All: 0.000+/-0.000 χ^2/NDF: 167.0/115

- sign 0.000+/-0.000 χ^2/NDF: 68.3/58


asym_sam_1526_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
0
100
120
140
160
180
200
220
Right In: 0.002+/-0.000 χ²/NDF: 7198541.4/31
Left Out: 0.001+/-0.000 χ²/NDF:9825407.0/24
Right Out: 0.001+/-0.000 χ²/NDF: 10515431.7/35
Left In: 0.001+/-0.000 χ²/NDF:8291862.8/22
+ sign 0.001+/-0.000 χ²/NDF: 20108357.3/56
All: 0.001+/-0.000 χ²/NDF: 39584077.0/115
- sign 0.001+/-0.000 χ²/NDF: 19463383.0/58



Right In: -0.002+/-0.007 χ^2/NDF: 34.3/31

Left Out: 0.005+/-0.007 χ^2/NDF:34.0/24

Right Out: -0.014+/-0.007 χ^2/NDF: 73.7/35

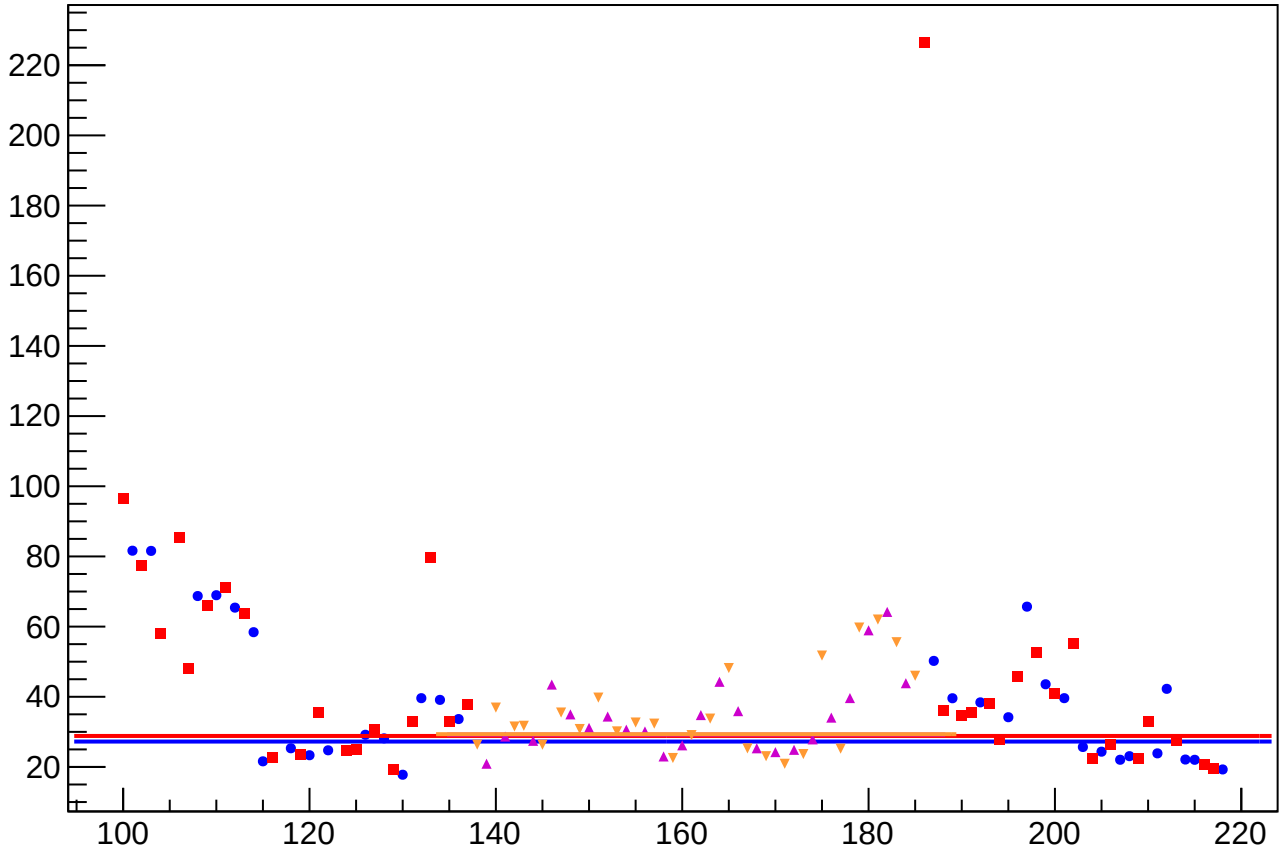
Left In: -0.006+/-0.007 χ^2/NDF:31.0/22

+ sign 0.001+/-0.005 χ^2/NDF: 68.8/56

All: -0.004+/-0.004 χ^2/NDF: 176.7/115

- sign -0.010+/-0.005 χ^2/NDF: 105.3/58

asym_sam_1526_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 27.238+/-0.005 χ^2/NDF: 4634618.6/31

Left Out: 29.338+/-0.005 χ^2/NDF:2687200.3/24

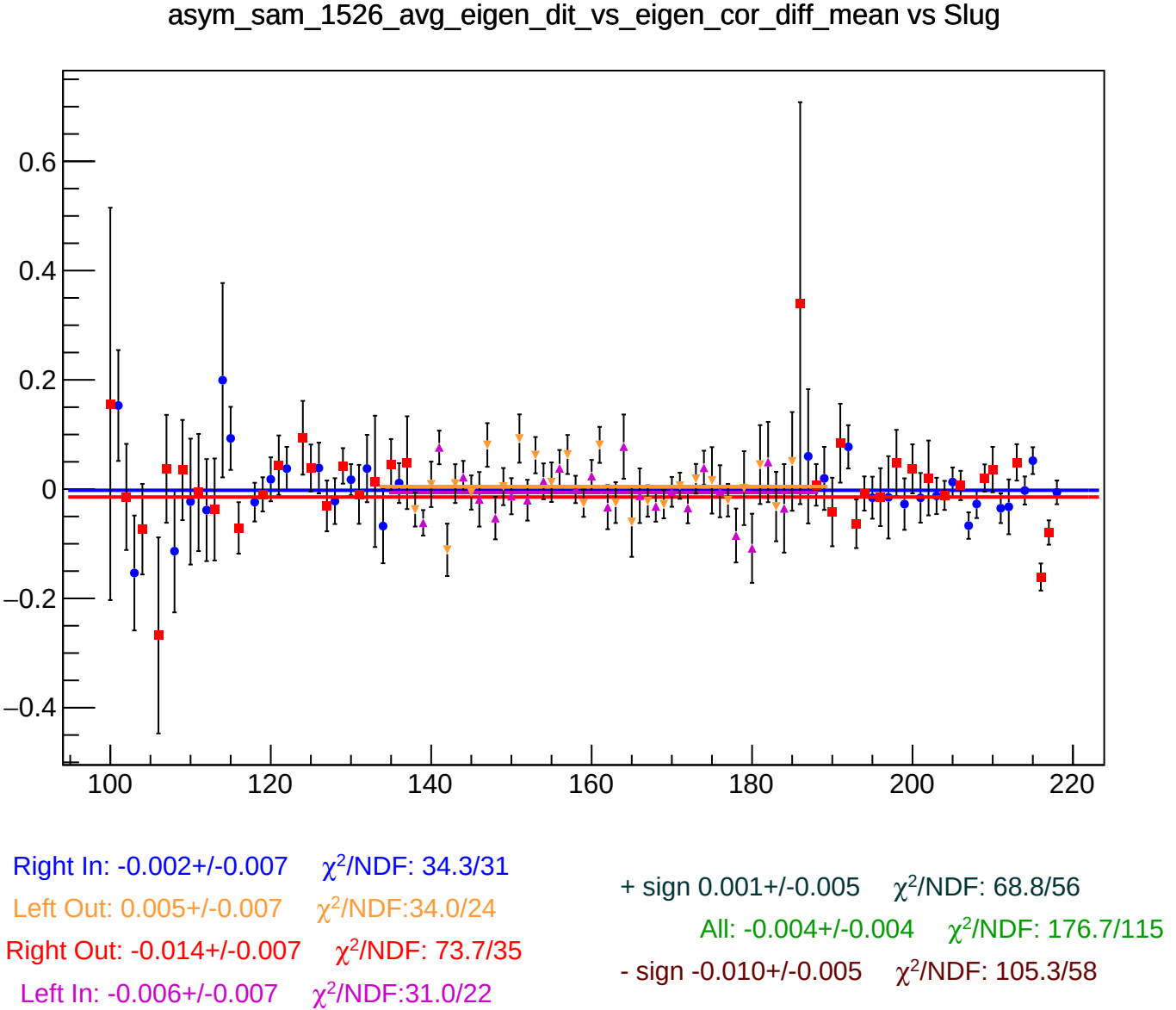
Right Out: 28.836+/-0.005 χ^2/NDF: 5330219.8/35

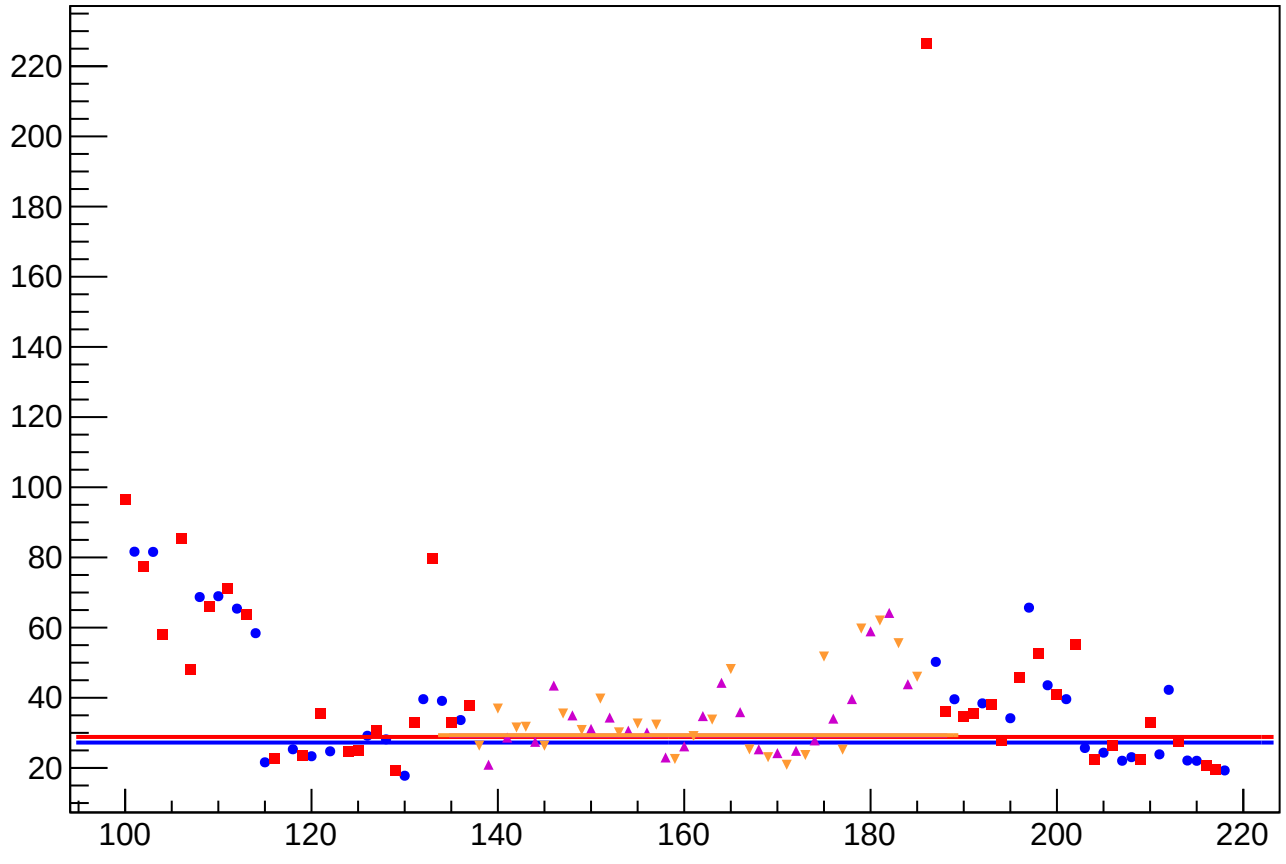
Left In: 29.227+/-0.005 χ^2/NDF:2097621.4/22

+ sign 28.240+/-0.003 χ^2/NDF: 7413064.9/56

All: 28.619+/-0.003 χ^2/NDF: 14868616.8/115

- sign 29.030+/-0.004 χ^2/NDF: 7430763.9/58


asym_sam_1526_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug
0.6
0.4
0.2
0
–0.2
–0.4
100
120
140
160
180
200
220
Right In: -0.002+/-0.007 χ²/NDF: 34.3/31
Left Out: 0.005+/-0.007 χ²/NDF:34.0/24
Right Out: -0.014+/-0.007 χ²/NDF: 73.7/35
Left In: -0.006+/-0.007 χ²/NDF:31.0/22
+ sign 0.001+/-0.005 χ²/NDF: 68.8/56
All: -0.004+/-0.004 χ²/NDF: 176.7/115
- sign -0.010+/-0.005 χ²/NDF: 105.3/58



Right In: 27.238+/-0.005 χ^2/NDF: 4634618.6/31

Left Out: 29.338+/-0.005 χ^2/NDF:2687200.3/24

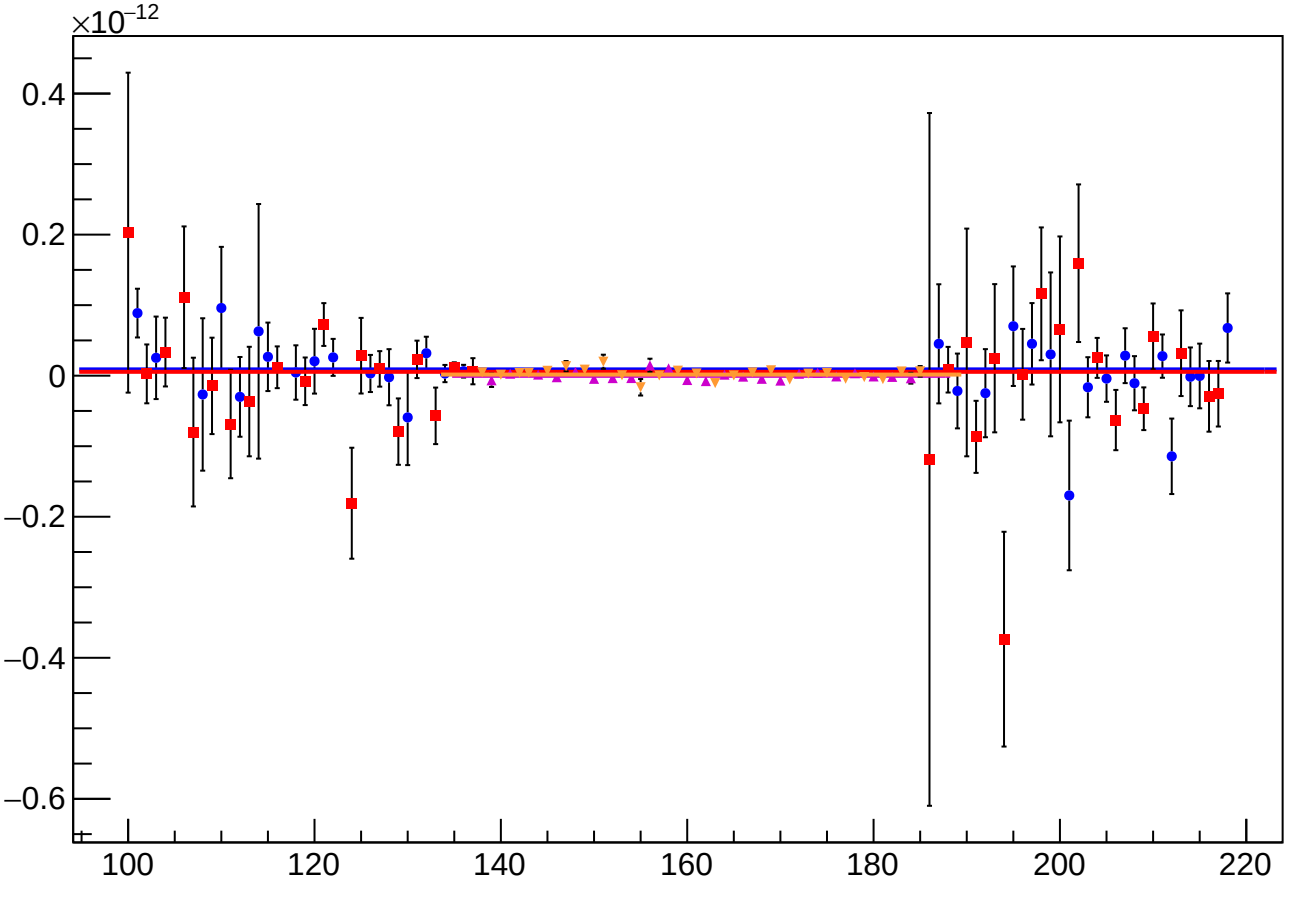
Right Out: 28.836+/-0.005 χ^2/NDF: 5330219.8/35

Left In: 29.227+/-0.005 χ^2/NDF:2097621.4/22

+ sign 28.240+/-0.003 χ^2/NDF: 7413064.9/56

All: 28.619+/-0.003 χ^2/NDF: 14868616.8/115

- sign 29.030+/-0.004 χ^2/NDF: 7430763.9/58



Right In: 0.000+/-0.000 χ^2/NDF: 23.0/31

Left Out: 0.000+/-0.000 χ^2/NDF:35.0/24

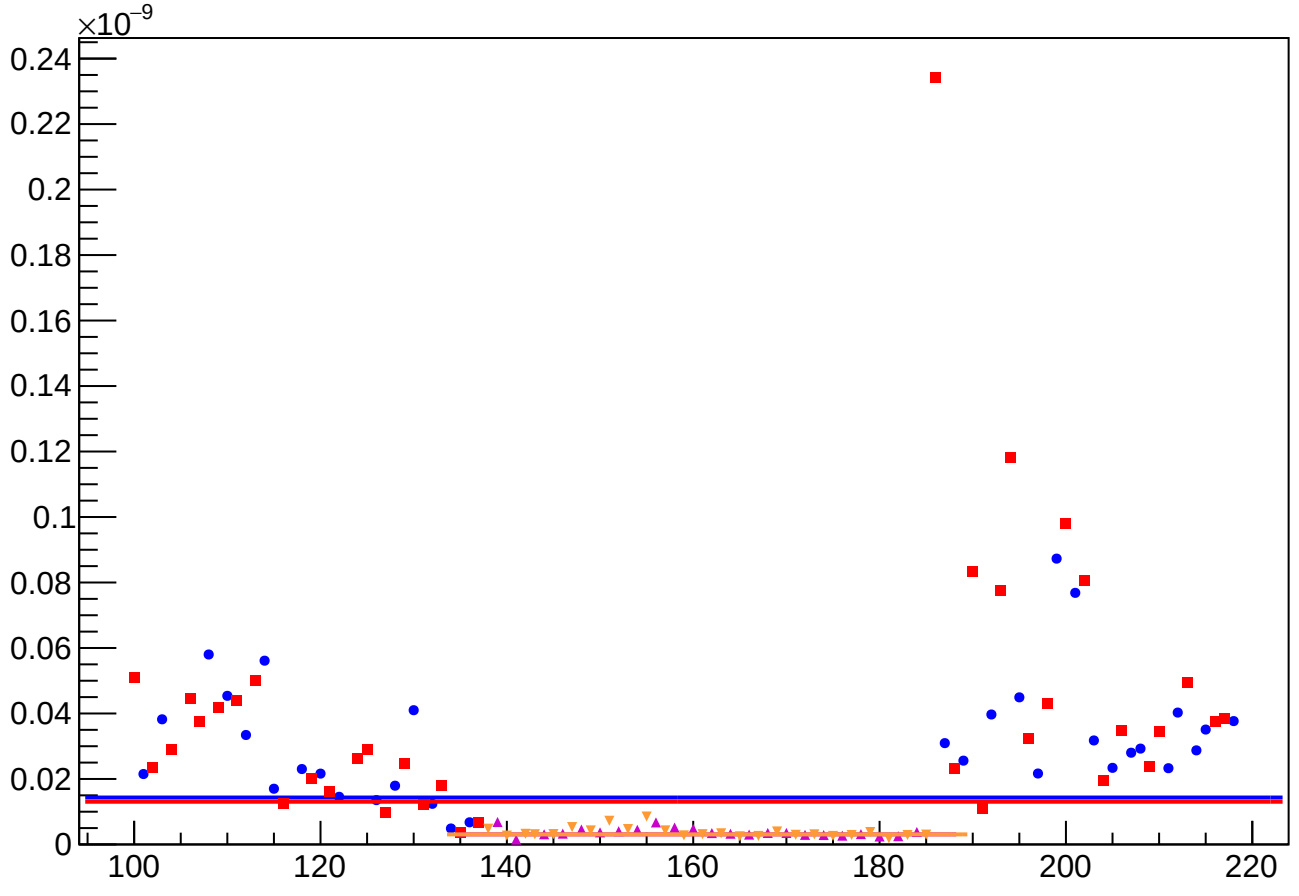
Right Out: 0.000+/-0.000 χ^2/NDF: 43.1/35

Left In: -0.000+/-0.000 χ^2/NDF:18.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 59.8/56

All: 0.000+/-0.000 χ^2/NDF: 124.5/115

- sign -0.000+/-0.000 χ^2/NDF: 62.8/58



Right In: 0.000+/-0.000 χ^2/NDF: 9496796.2/31

Left Out: 0.000+/-0.000 χ^2/NDF:2024861.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 13164799.8/35

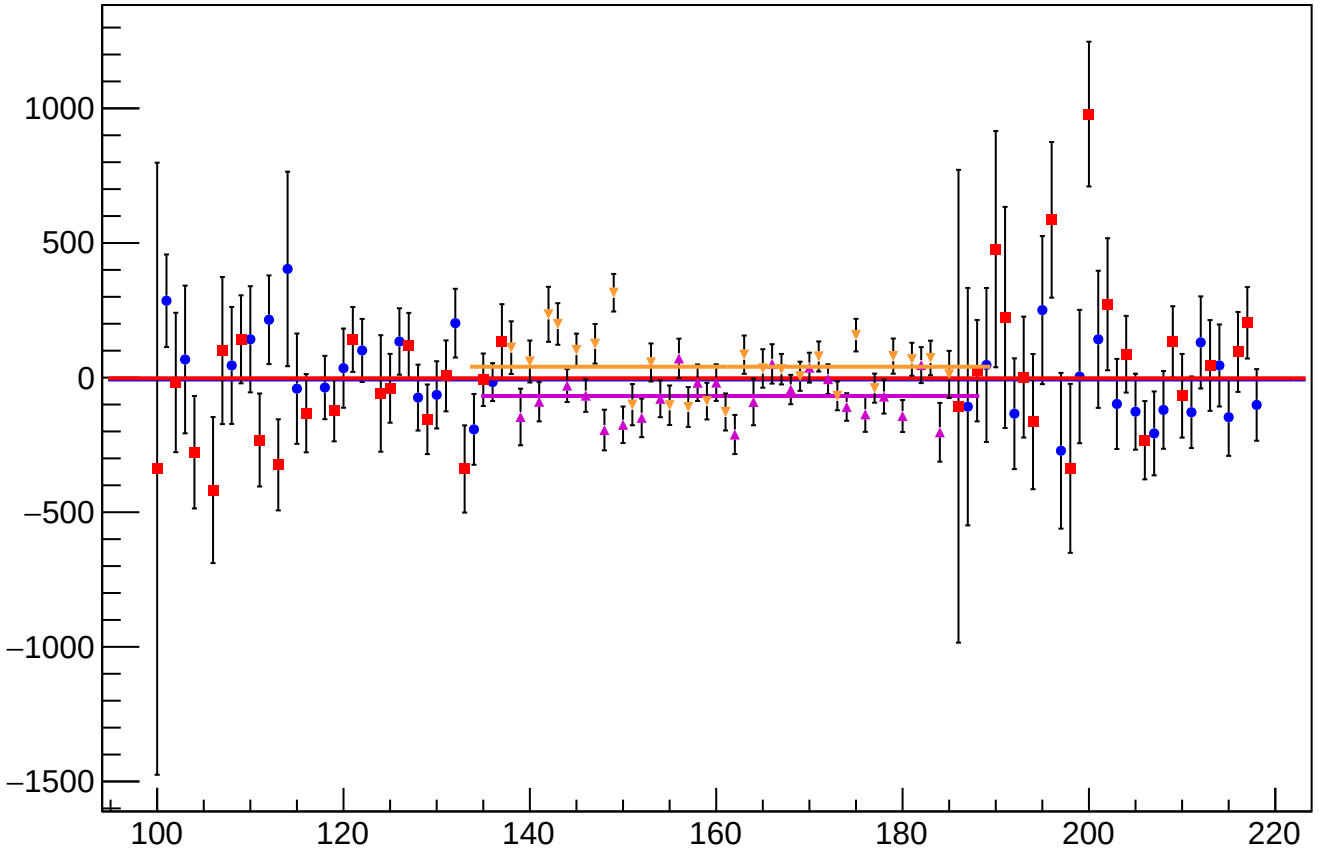
Left In: 0.000+/-0.000 χ^2/NDF:2149738.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 20099687.7/56

All: 0.000+/-0.000 χ^2/NDF: 42152796.4/115

- sign 0.000+/-0.000 χ^2/NDF: 22052802.5/58

reg_asym_sam_3726_avg_mean vs Slug



Right In: -6.936+/-26.889 χ^2/NDF: 23.1/31

Left Out: 40.342+/-13.402 χ^2/NDF:59.4/24

Right Out: -2.571+/-27.903 χ^2/NDF: 50.4/35

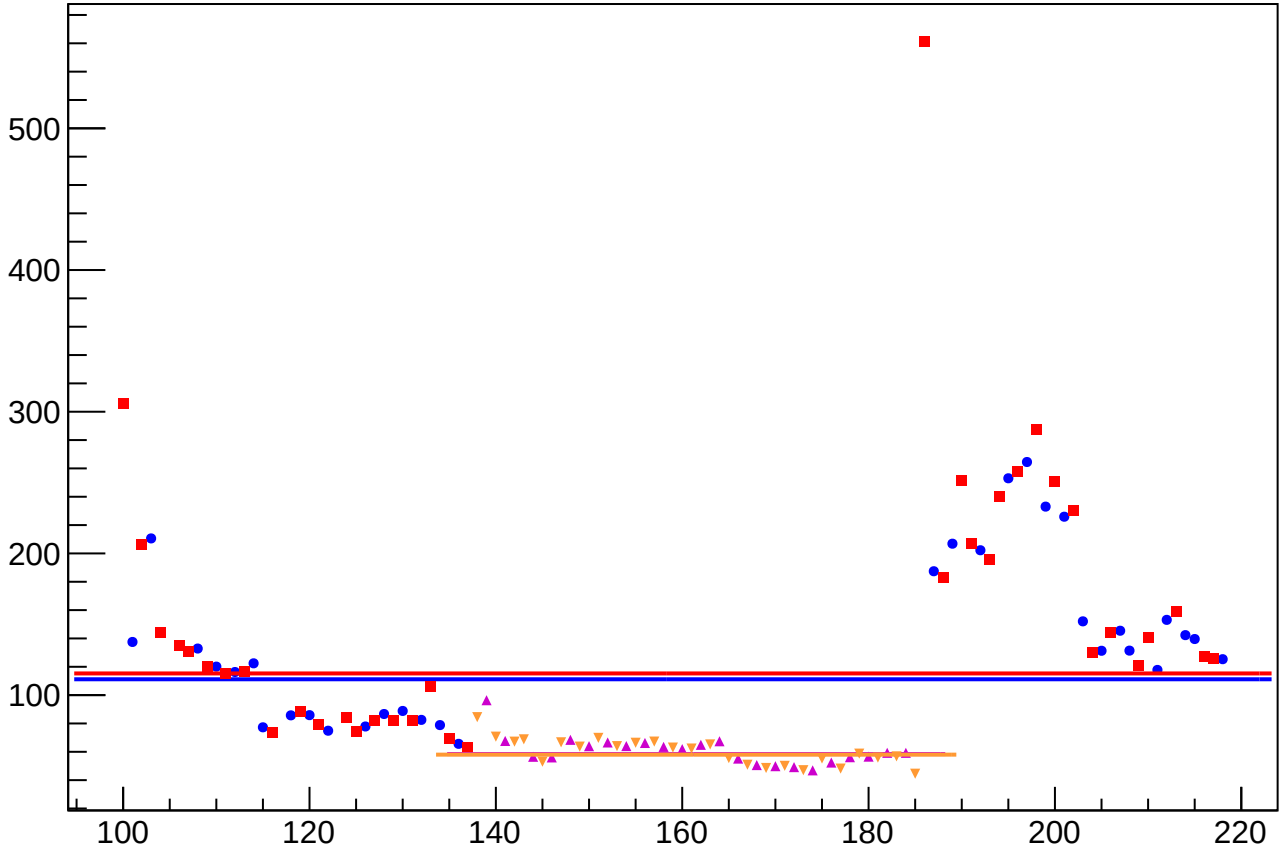
Left In: -68.344+/-13.866 χ^2/NDF:31.8/22

+ sign 30.935+/-11.995 χ^2/NDF: 85.0/56

All: -10.698+/-8.627 χ^2/NDF: 196.5/115

- sign -55.318+/-12.417 χ^2/NDF: 86.6/58

reg_asym_sam_3726_avg_rms vs Slug



Right In: 111.183+/-0.019 χ^2/NDF: 5351588.9/31

Left Out: 57.996+/-0.009 χ^2/NDF:807648.8/24

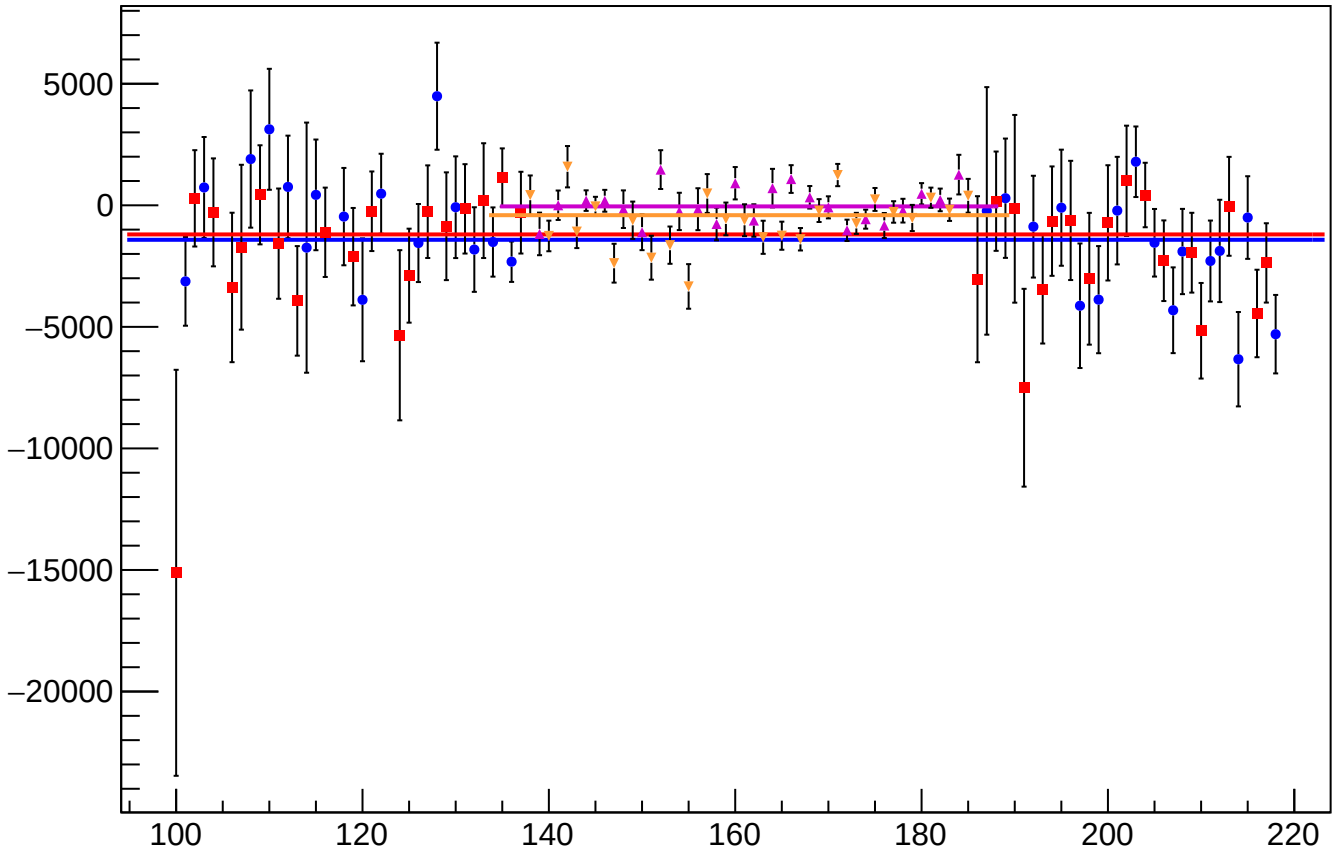
Right Out: 115.302+/-0.020 χ^2/NDF: 6358740.0/35

Left In: 58.397+/-0.010 χ^2/NDF:735208.2/22

+ sign 68.579+/-0.008 χ^2/NDF: 12427281.2/56

All: 69.104+/-0.006 χ^2/NDF: 26200050.2/115

- sign 69.666+/-0.009 χ^2/NDF: 13764833.3/58



Right In: -1418.343+/-323.814 χ^2/NDF: 43.8/31

Left Out: -406.322+/-113.468 χ^2/NDF:63.2/24

Right Out: -1197.724+/-341.393 χ^2/NDF: 30.0/35

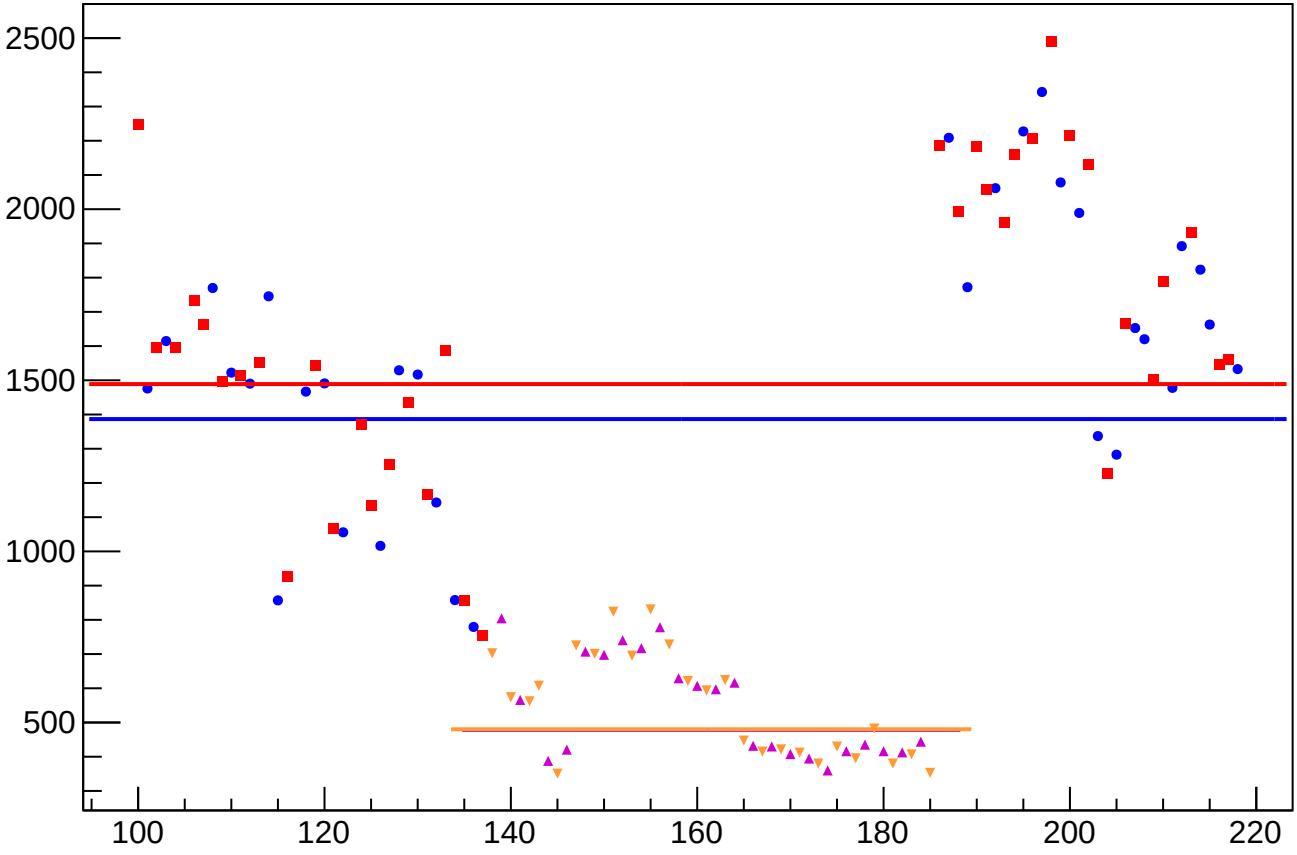
Left In: -44.831+/-115.765 χ^2/NDF:31.1/22

+ sign -516.995+/-107.084 χ^2/NDF: 115.7/56

All: -344.517+/-76.605 χ^2/NDF: 192.3/115

- sign -163.727+/-109.633 χ^2/NDF: 71.3/58

asym_sam_3726_avg_reg_correction_rms vs Slug



Right In: 1386.708+/-0.229 χ^2/NDF: 3354883.2/31

Left Out: 480.162+/-0.080 χ^2/NDF:2582213.9/24

Right Out: 1488.939+/-0.241 χ^2/NDF: 3086703.7/35

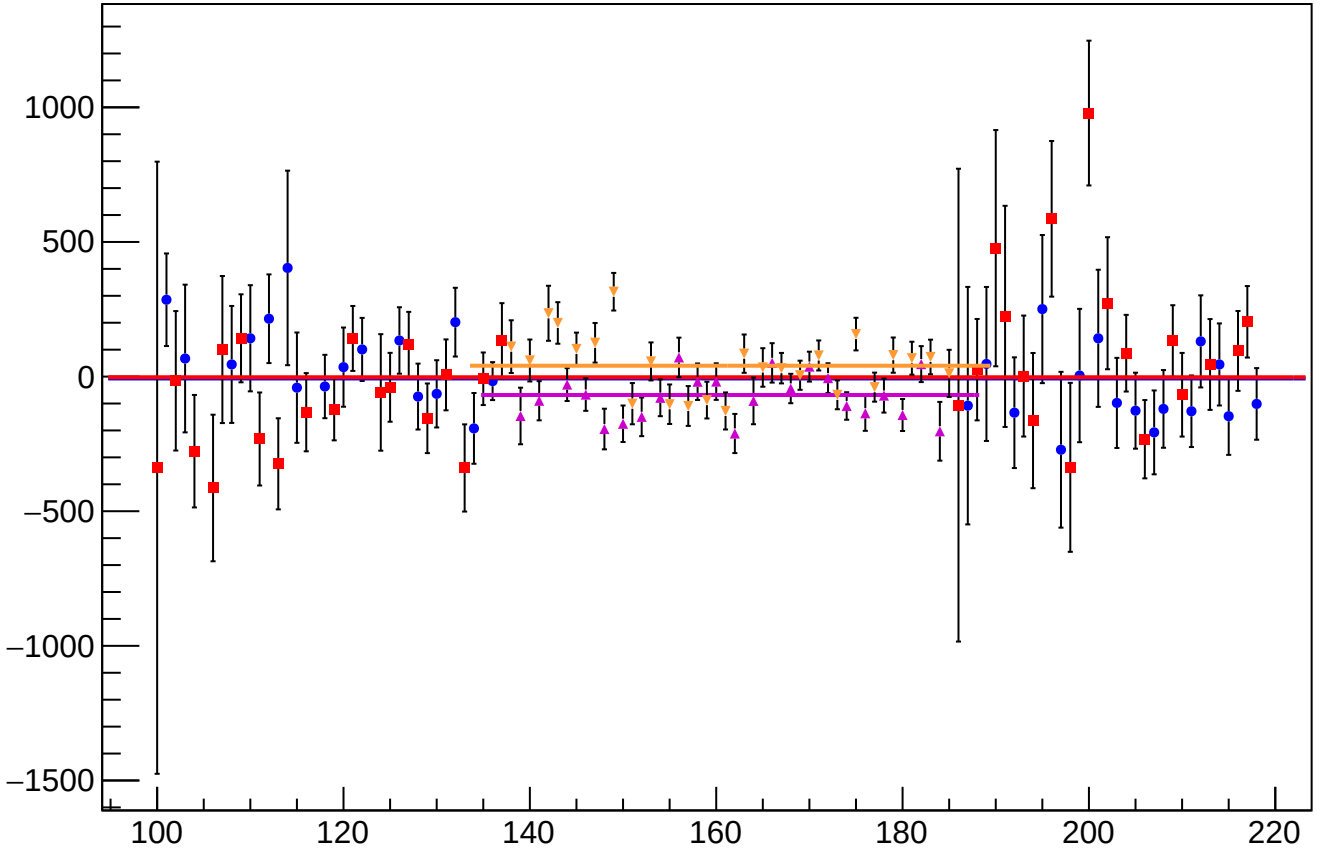
Left In: 478.084+/-0.082 χ^2/NDF:2215520.4/22

+ sign 579.301+/-0.076 χ^2/NDF: 19898247.5/56

All: 580.780+/-0.054 χ^2/NDF: 40927701.8/11

- sign 582.331+/-0.078 χ^2/NDF: 21028672.4/58

cor_asym_sam_3726_avg_mean vs Slug



Right In: -6.944+/-26.889 χ^2/NDF: 23.1/31

Left Out: 40.344+/-13.402 χ^2/NDF:59.4/24

Right Out: -2.475+/-27.904 χ^2/NDF: 50.3/35

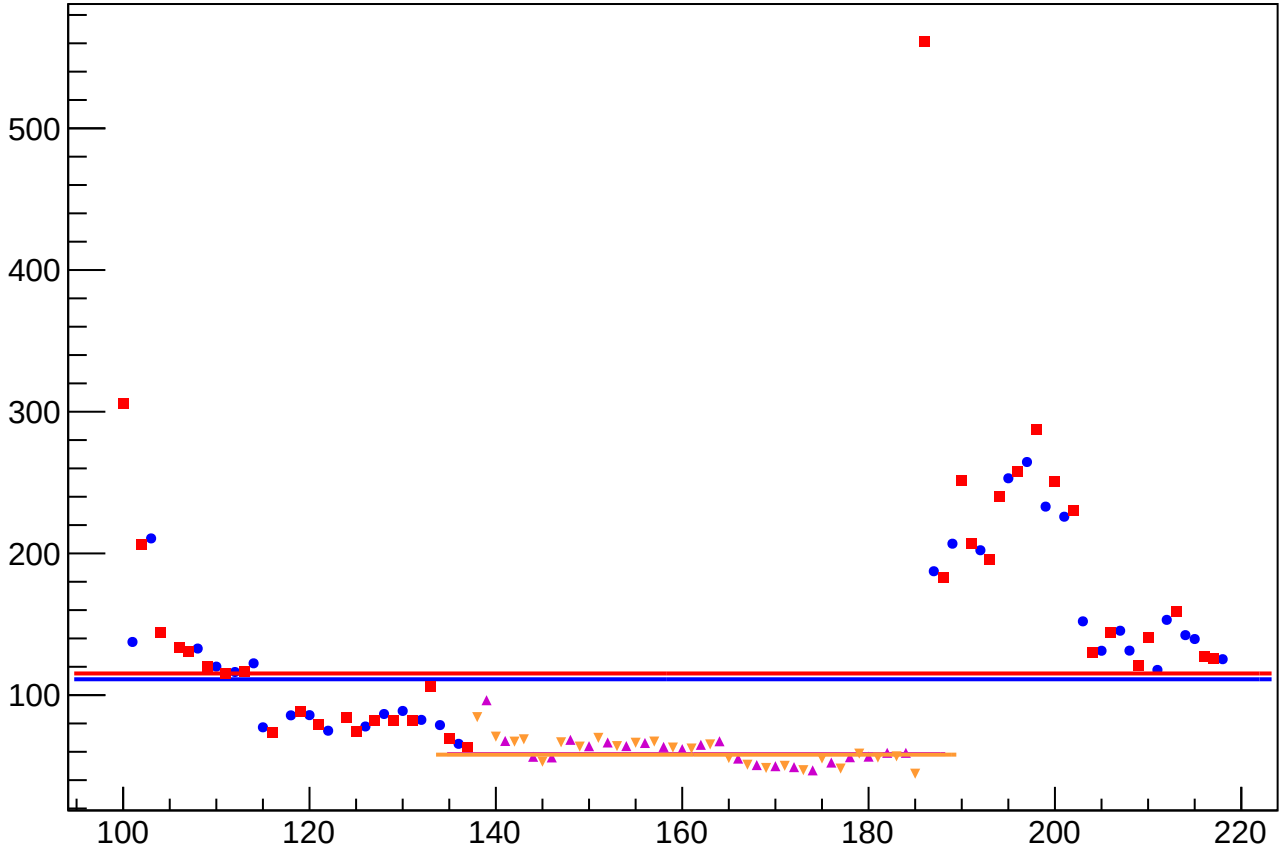
Left In: -68.343+/-13.866 χ^2/NDF:31.7/22

+ sign 30.935+/-11.995 χ^2/NDF: 85.0/56

All: -10.689+/-8.627 χ^2/NDF: 196.5/115

- sign -55.299+/-12.418 χ^2/NDF: 86.5/58

cor_asym_sam_3726_avg_rms vs Slug



Right In: 111.183+/-0.019 χ^2/NDF: 5351592.0/31

Left Out: 57.996+/-0.009 χ^2/NDF:807648.7/24

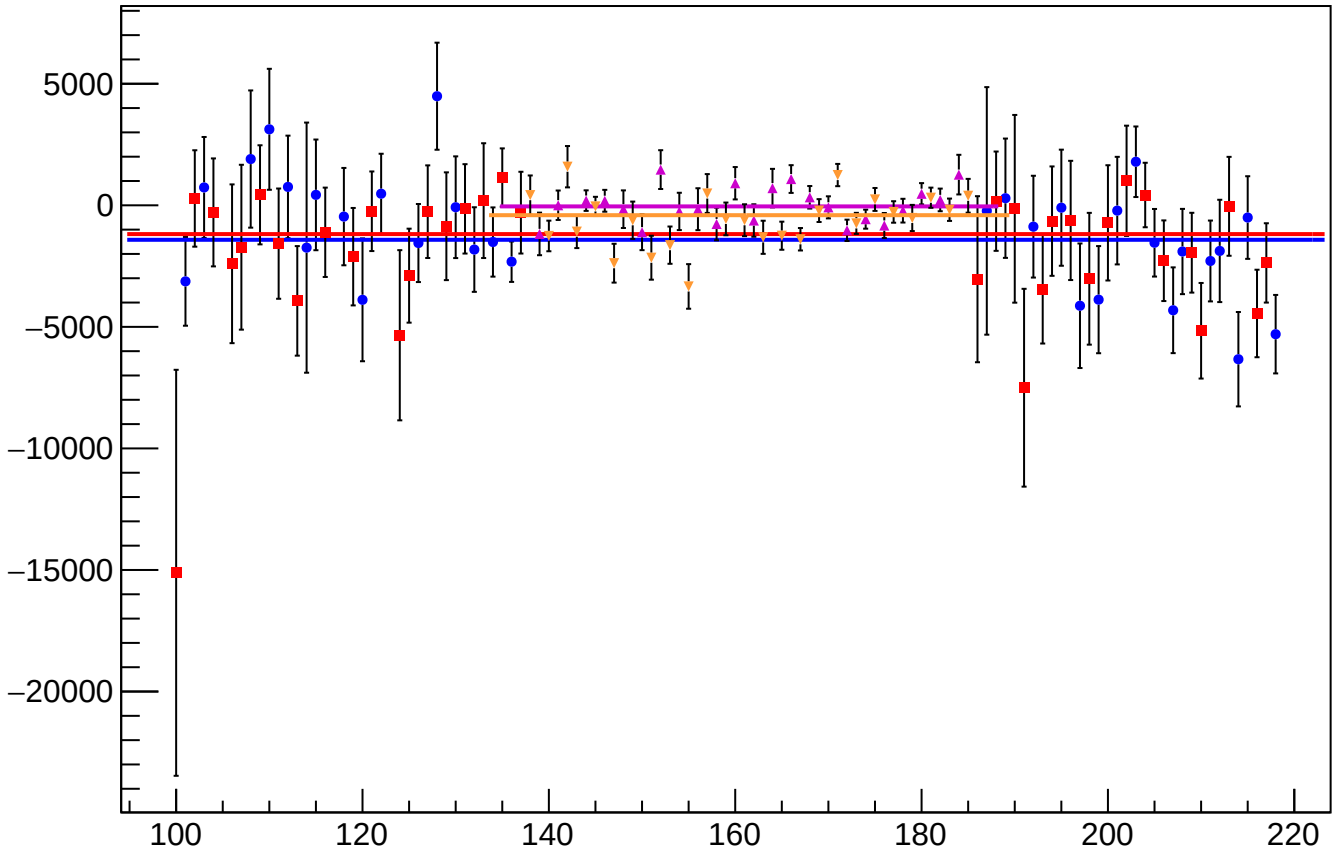
Right Out: 115.281+/-0.020 χ^2/NDF: 6356990.2/35

Left In: 58.397+/-0.010 χ^2/NDF:735208.2/22

+ sign 68.579+/-0.008 χ^2/NDF: 12427283.5/56

All: 69.101+/-0.006 χ^2/NDF: 26192701.3/115

- sign 69.661+/-0.009 χ^2/NDF: 13757555.5/58



Right In: -1418.328+/-323.815 χ^2/NDF: 43.8/31

Left Out: -406.320+/-113.468 χ^2/NDF:63.2/24

Right Out: -1184.241+/-341.640 χ^2/NDF: 29.6/35

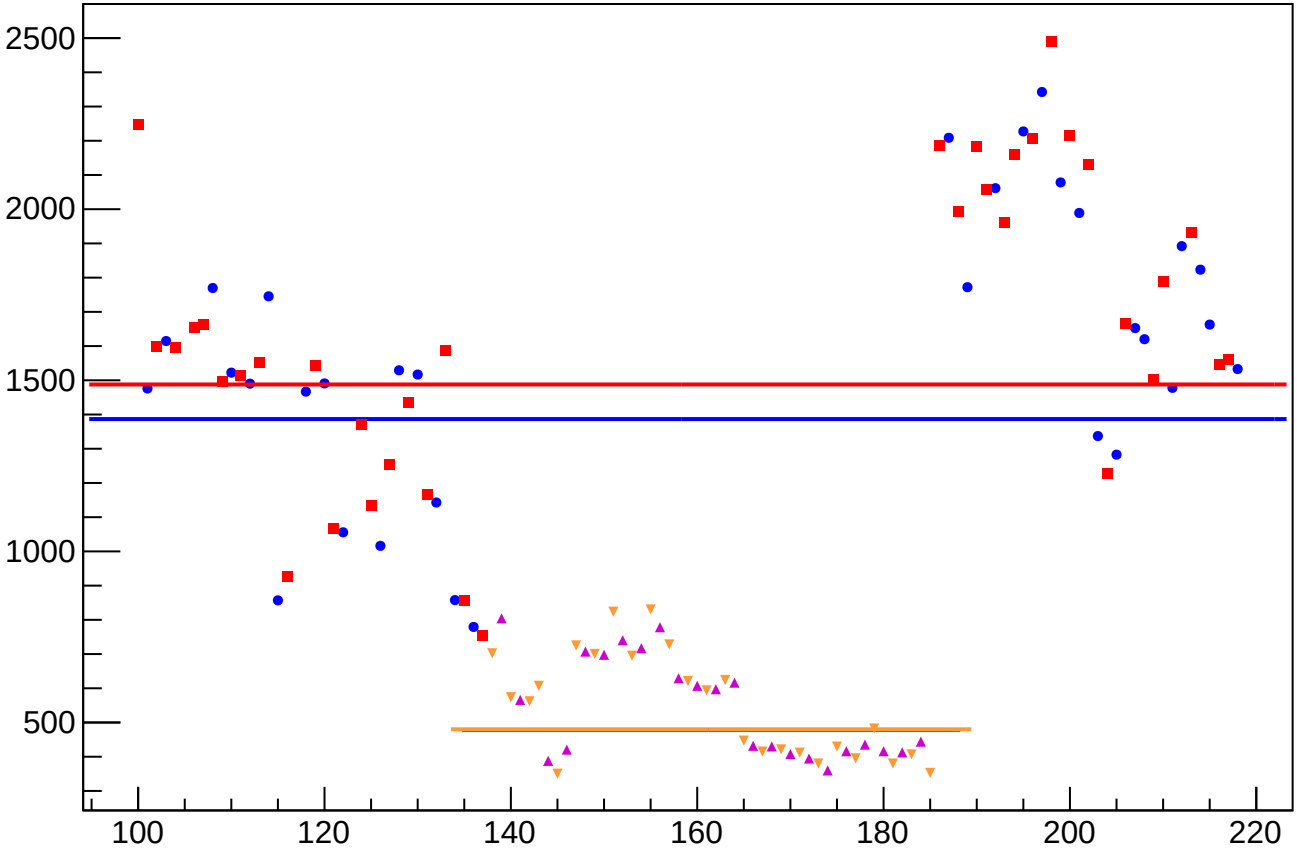
Left In: -44.830+/-115.765 χ^2/NDF:31.1/22

+ sign -516.992+/-107.084 χ^2/NDF: 115.7/56

All: -343.774+/-76.608 χ^2/NDF: 191.7/115

- sign -162.183+/-109.642 χ^2/NDF: 70.7/58

asym_sam_3726_avg_cor_correction_rms vs Slug



Right In: 1386.710+/-0.229 χ^2/NDF: 3354909.1/31

Left Out: 480.162+/-0.080 χ^2/NDF:2582209.1/24

Right Out: 1487.771+/-0.242 χ^2/NDF: 3079342.3/35

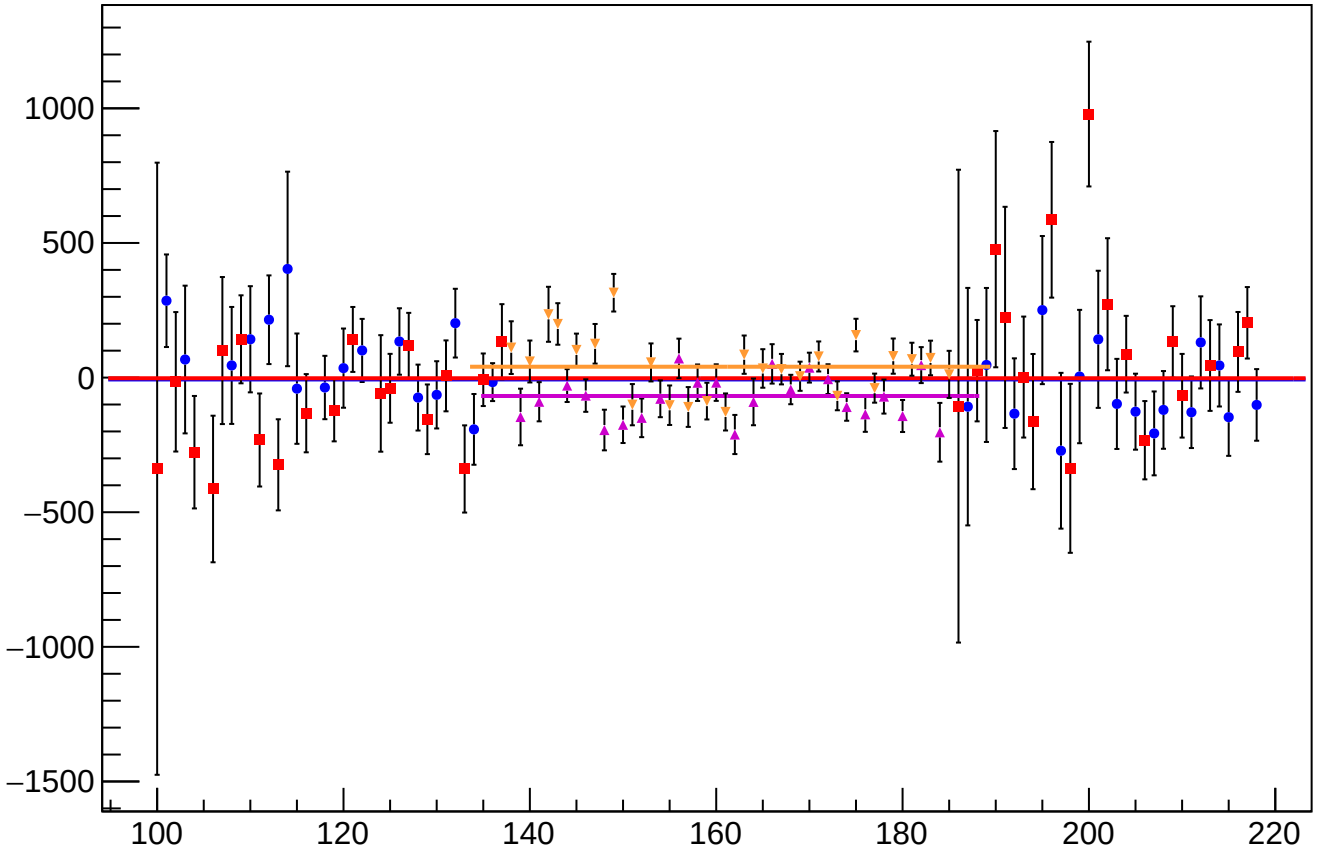
Left In: 478.084+/-0.082 χ^2/NDF:2215518.9/22

+ sign 579.301+/-0.076 χ^2/NDF: 19898276.7/56

All: 580.655+/-0.054 χ^2/NDF: 40863537.1/11

- sign 582.076+/-0.078 χ^2/NDF: 20964604.8/58

eigen_cor_asym_sam_3726_avg_mean vs Slug



Right In: -6.944+/-26.889 χ^2/NDF: 23.1/31

Left Out: 40.344+/-13.402 χ^2/NDF:59.4/24

Right Out: -2.475+/-27.904 χ^2/NDF: 50.3/35

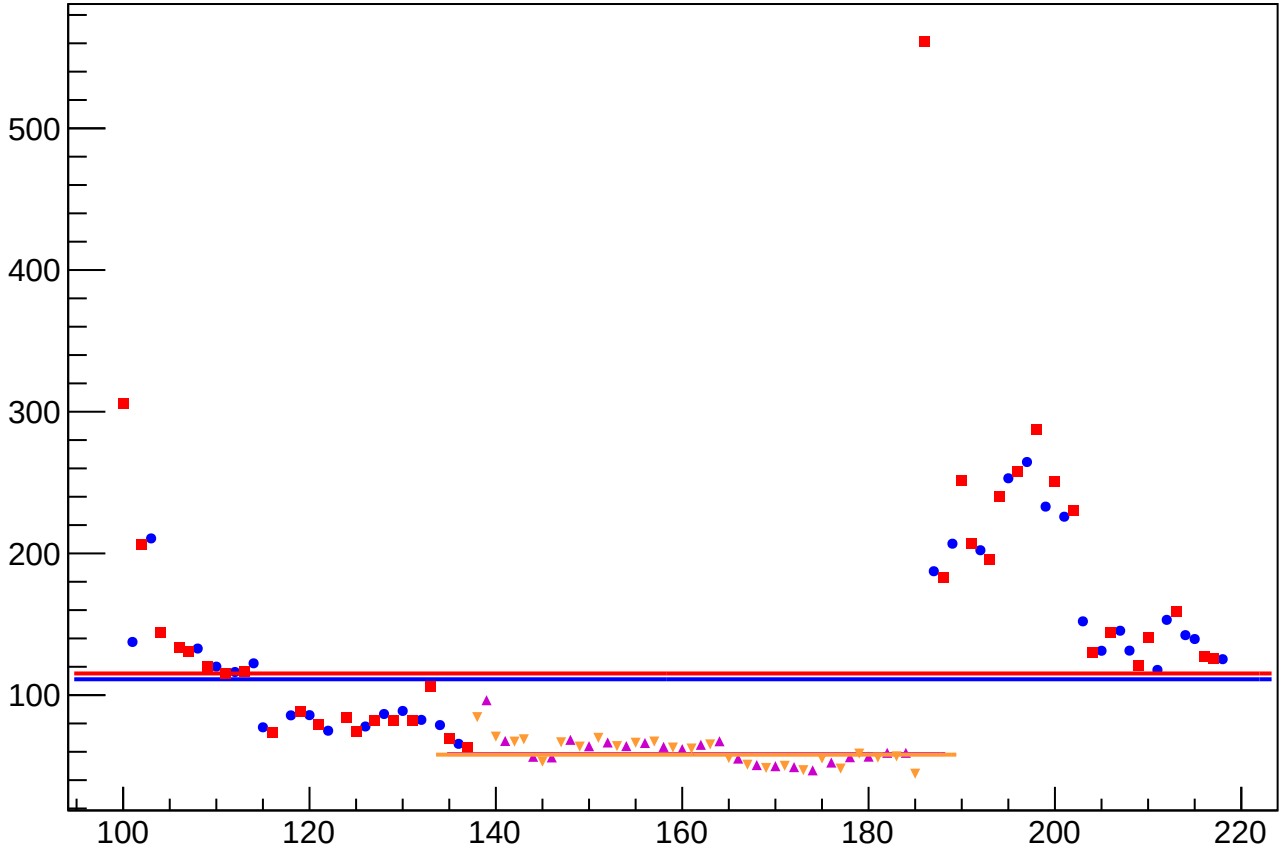
Left In: -68.343+/-13.866 χ^2/NDF:31.7/22

+ sign 30.935+/-11.995 χ^2/NDF: 85.0/56

All: -10.689+/-8.627 χ^2/NDF: 196.5/115

- sign -55.299+/-12.418 χ^2/NDF: 86.5/58

eigen_cor_asym_sam_3726_avg_rms vs Slug



Right In: 111.183+/-0.019 χ^2/NDF: 5351592.0/31

Left Out: 57.996+/-0.009 χ^2/NDF:807648.7/24

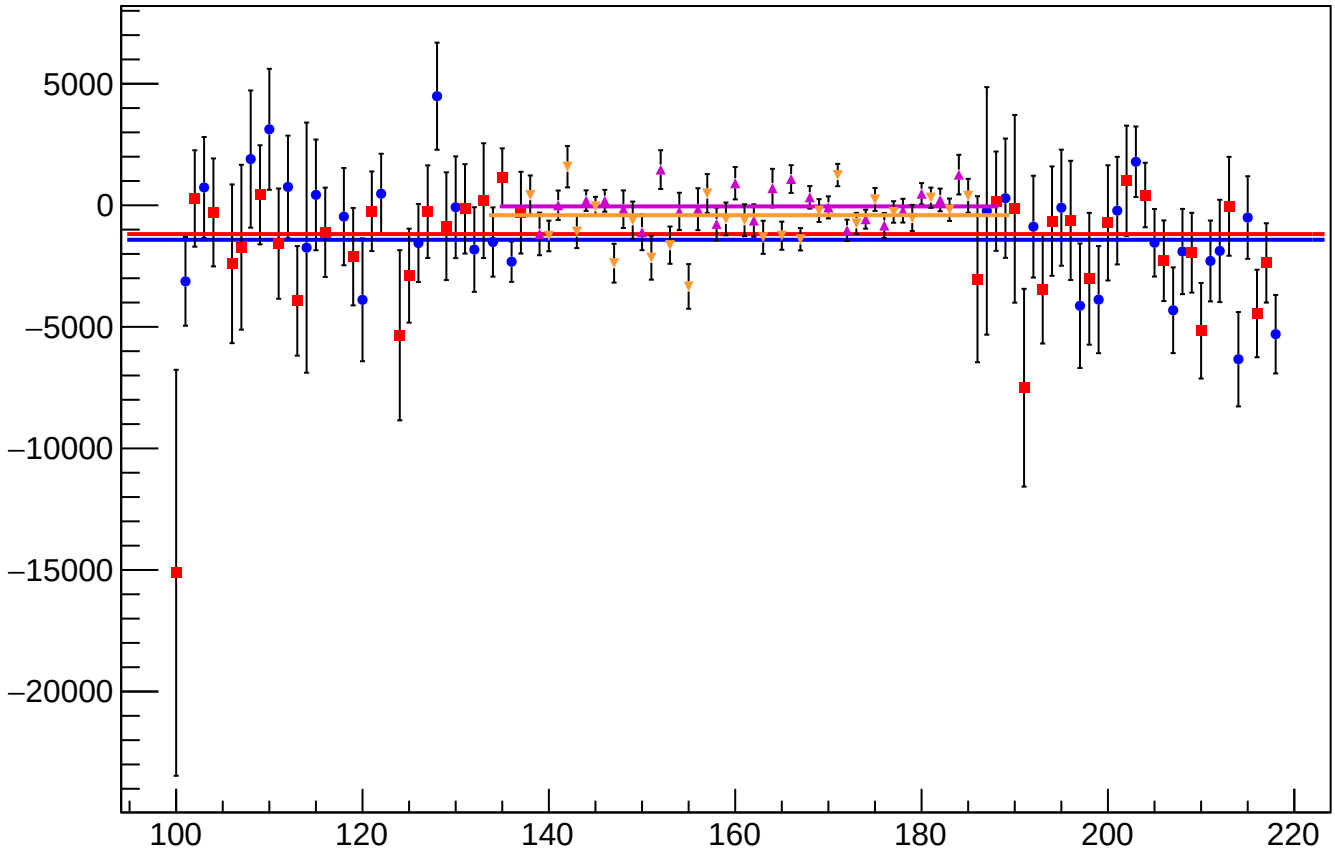
Right Out: 115.281+/-0.020 χ^2/NDF: 6356990.2/35

Left In: 58.397+/-0.010 χ^2/NDF:735208.2/22

+ sign 68.579+/-0.008 χ^2/NDF: 12427283.5/56

All: 69.101+/-0.006 χ^2/NDF: 26192701.3/115

- sign 69.661+/-0.009 χ^2/NDF: 13757555.5/58



Right In: -1418.328+/-323.815 χ^2/NDF: 43.8/31

Left Out: -406.320+/-113.468 χ^2/NDF:63.2/24

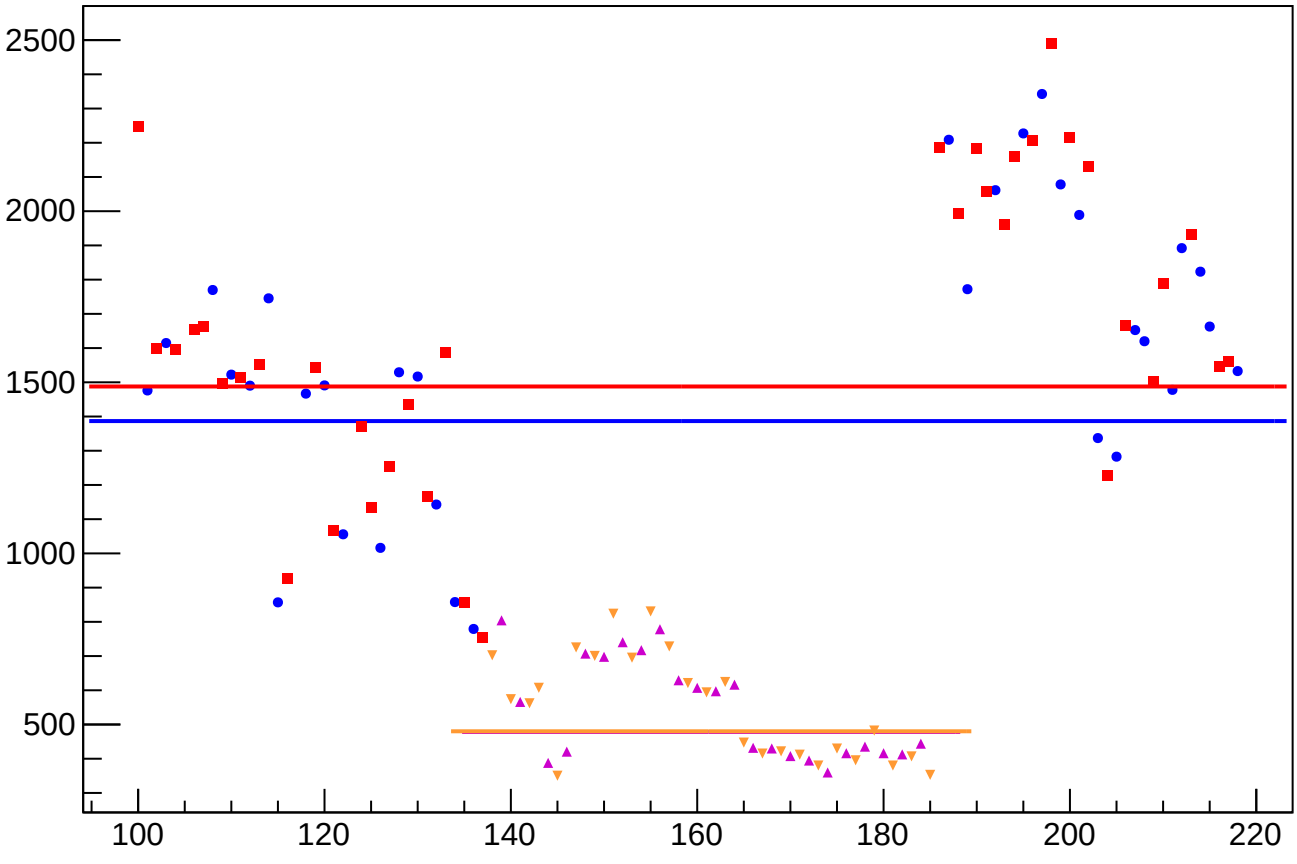
Right Out: -1184.241+/-341.640 χ^2/NDF: 29.6/35

Left In: -44.830+/-115.765 χ^2/NDF:31.1/22

+ sign -516.992+/-107.084 χ^2/NDF: 115.7/56

All: -343.774+/-76.608 χ^2/NDF: 191.7/115

- sign -162.183+/-109.642 χ^2/NDF: 70.7/58



Right In: 1386.710+/-0.229 χ^2/NDF: 3354909.1/31

Left Out: 480.162+/-0.080 χ^2/NDF:2582209.1/24

Right Out: 1487.771+/-0.242 χ^2/NDF: 3079342.3/35

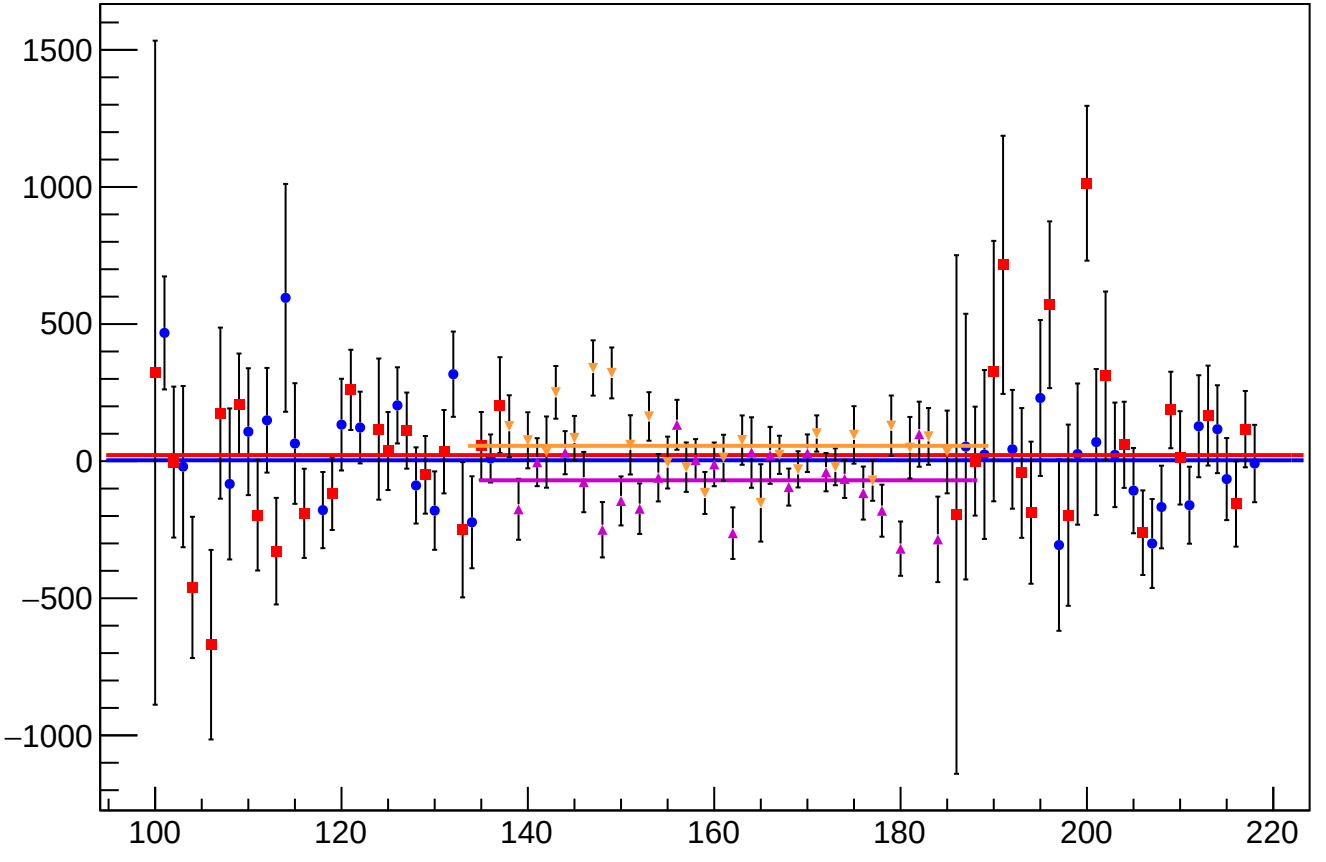
Left In: 478.084+/-0.082 χ^2/NDF:2215518.9/22

+ sign 579.301+/-0.076 χ^2/NDF: 19898276.7/56

All: 580.655+/-0.054 χ^2/NDF: 40863537.1/11

- sign 582.076+/-0.078 χ^2/NDF: 20964604.8/58

dit_asym_sam_3726_avg_mean vs Slug



Right In: 3.243+/-30.445 χ^2/NDF: 30.9/31

Left Out: 55.949+/-17.949 χ^2/NDF:38.3/24

Right Out: 22.077+/-31.688 χ^2/NDF: 49.4/35

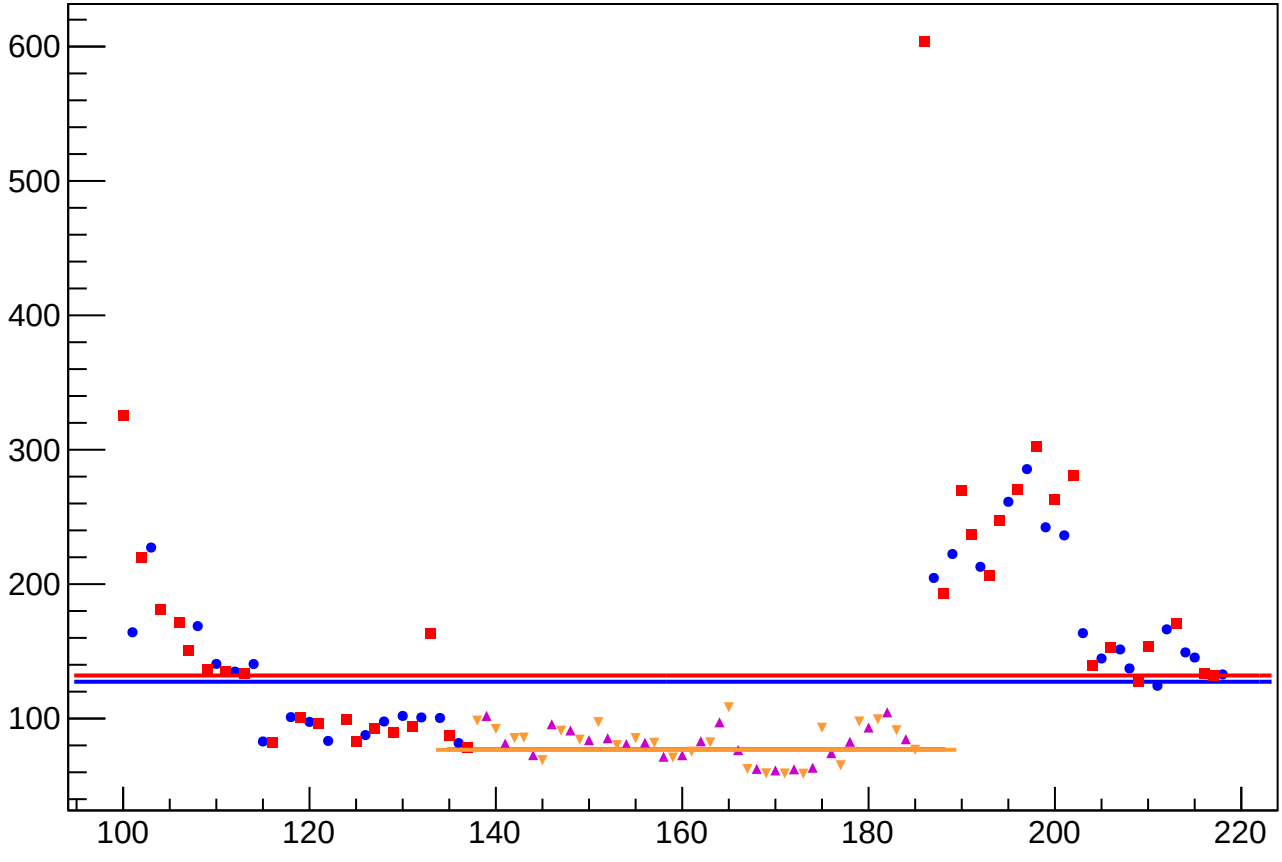
Left In: -69.844+/-18.497 χ^2/NDF:34.5/22

+ sign 42.354+/-15.462 χ^2/NDF: 71.4/56

All: -0.617+/-11.110 χ^2/NDF: 177.6/115

- sign -46.484+/-15.974 χ^2/NDF: 90.2/58

dit_asym_sam_3726_avg_rms vs Slug



Right In: 127.370+/-0.022 χ^2/NDF: 4313603.9/31

Left Out: 76.744+/-0.013 χ^2/NDF:1234629.1/24

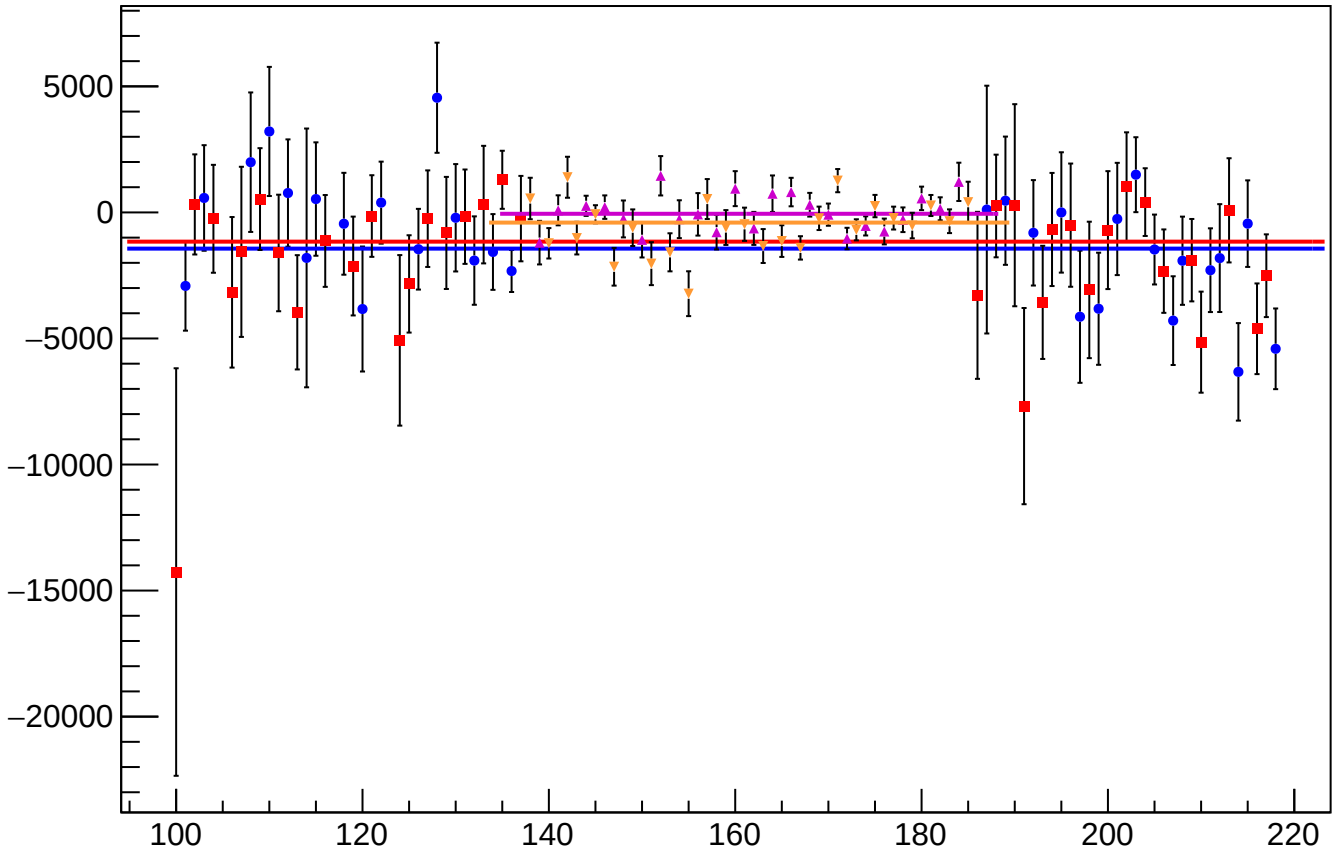
Right Out: 132.020+/-0.022 χ^2/NDF: 5560847.1/35

Left In: 77.018+/-0.013 χ^2/NDF:858871.7/22

+ sign 89.802+/-0.011 χ^2/NDF: 9652283.2/56

All: 90.380+/-0.008 χ^2/NDF: 20572072.7/115

- sign 90.996+/-0.011 χ^2/NDF: 10914025.4/58



Right In: -1436.161+/-325.256 χ^2/NDF: 43.2/31

Left Out: -403.375+/-111.773 χ^2/NDF:60.7/24

Right Out: -1159.046+/-339.483 χ^2/NDF: 32.0/35

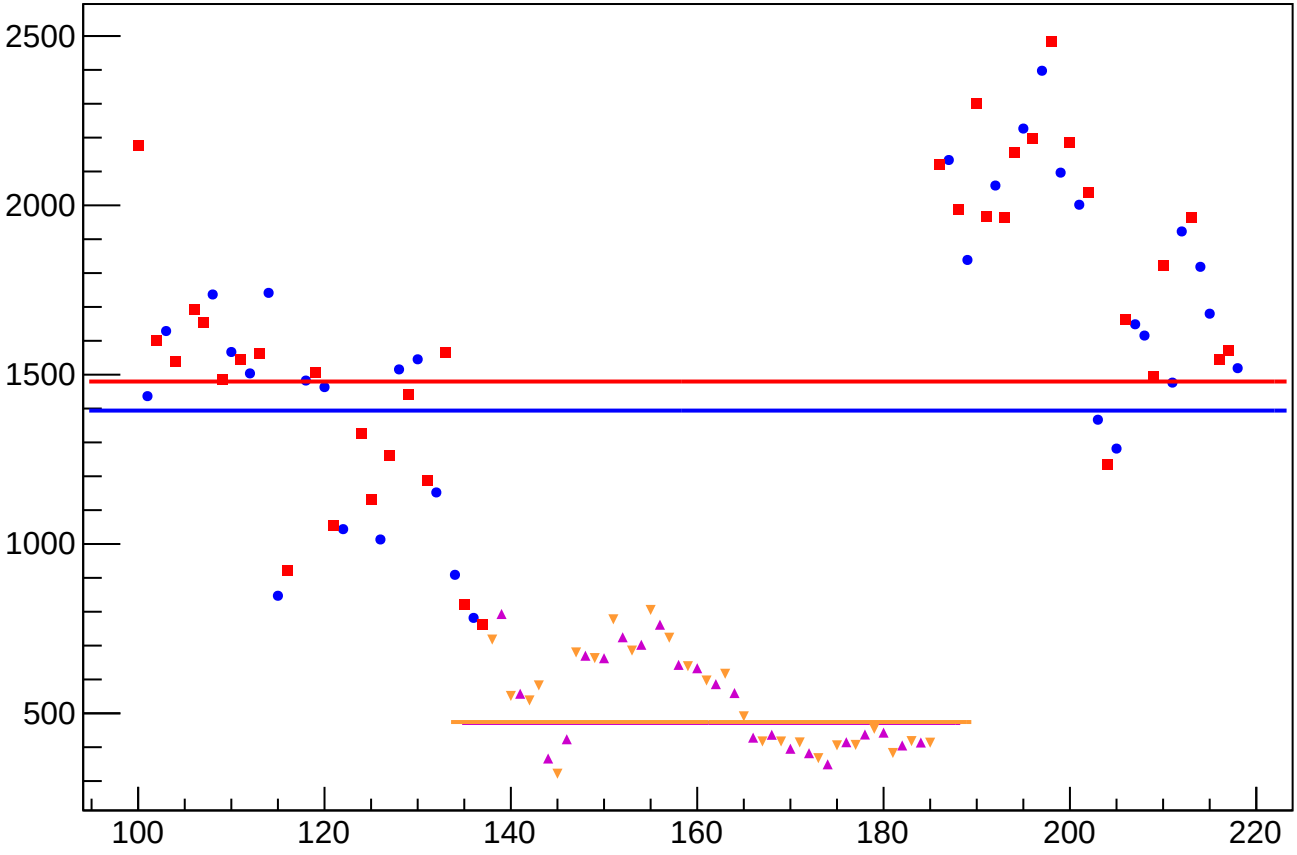
Left In: -54.192+/-114.223 χ^2/NDF:30.7/22

+ sign -512.458+/-105.706 χ^2/NDF: 112.9/56

All: -343.632+/-75.632 χ^2/NDF: 190.3/115

- sign -166.550+/-108.260 χ^2/NDF: 72.2/58

asym_sam_3726_avg_dit_correction_rms vs Slug



Right In: 1393.959+/-0.230 χ^2/NDF: 3326421.6/31

Left Out: 474.294+/-0.079 χ^2/NDF:2538995.4/24

Right Out: 1479.773+/-0.240 χ^2/NDF: 3149289.1/35

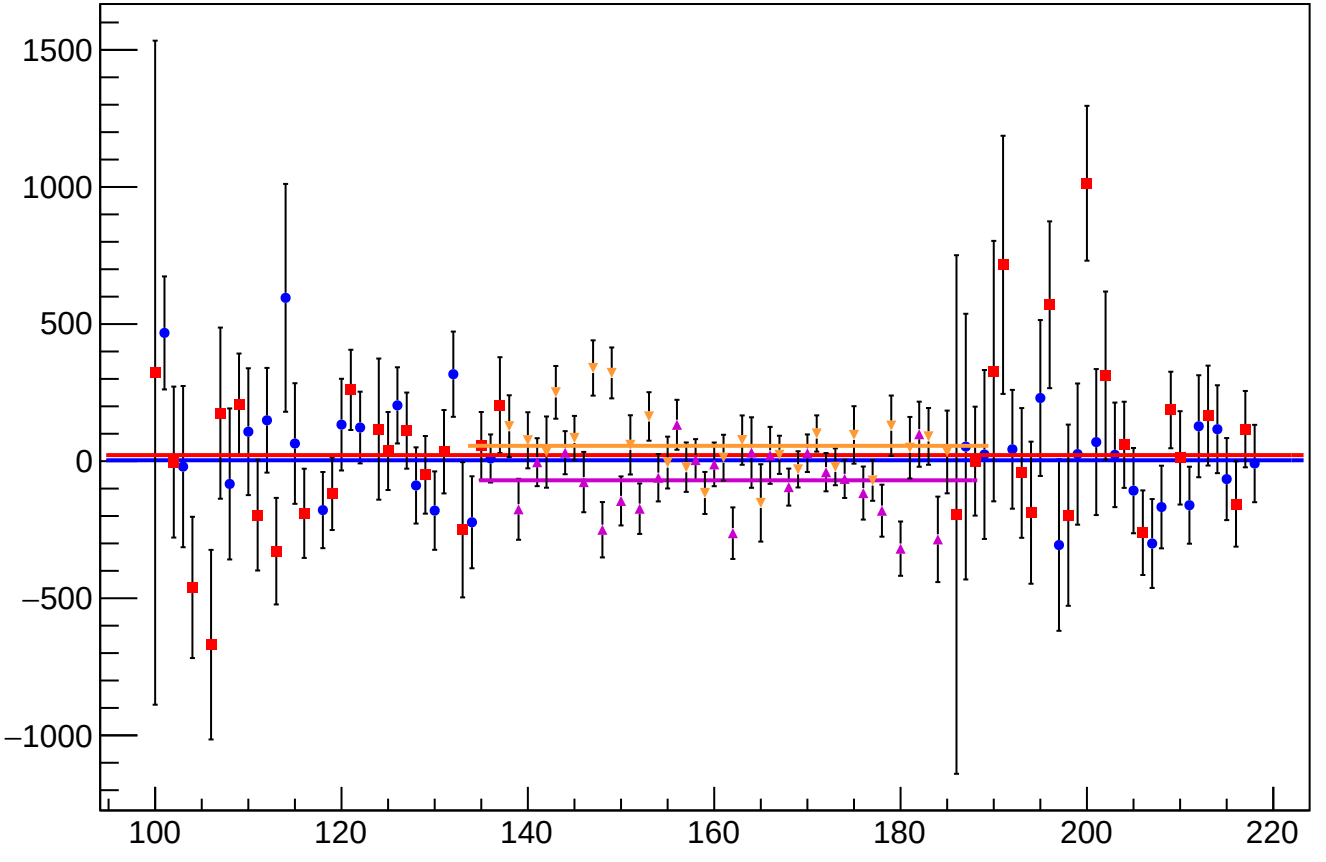
Left In: 471.456+/-0.081 χ^2/NDF:2209343.4/22

+ sign 571.429+/-0.075 χ^2/NDF: 20166263.5/56

All: 572.682+/-0.053 χ^2/NDF: 41374877.0/11

- sign 573.996+/-0.077 χ^2/NDF: 21208037.8/58

eigen_dit_asym_sam_3726_avg_mean vs Slug



Right In: 3.245+/-30.444 χ^2/NDF: 30.9/31

Left Out: 55.948+/-17.949 χ^2/NDF:38.3/24

Right Out: 22.080+/-31.688 χ^2/NDF: 49.4/35

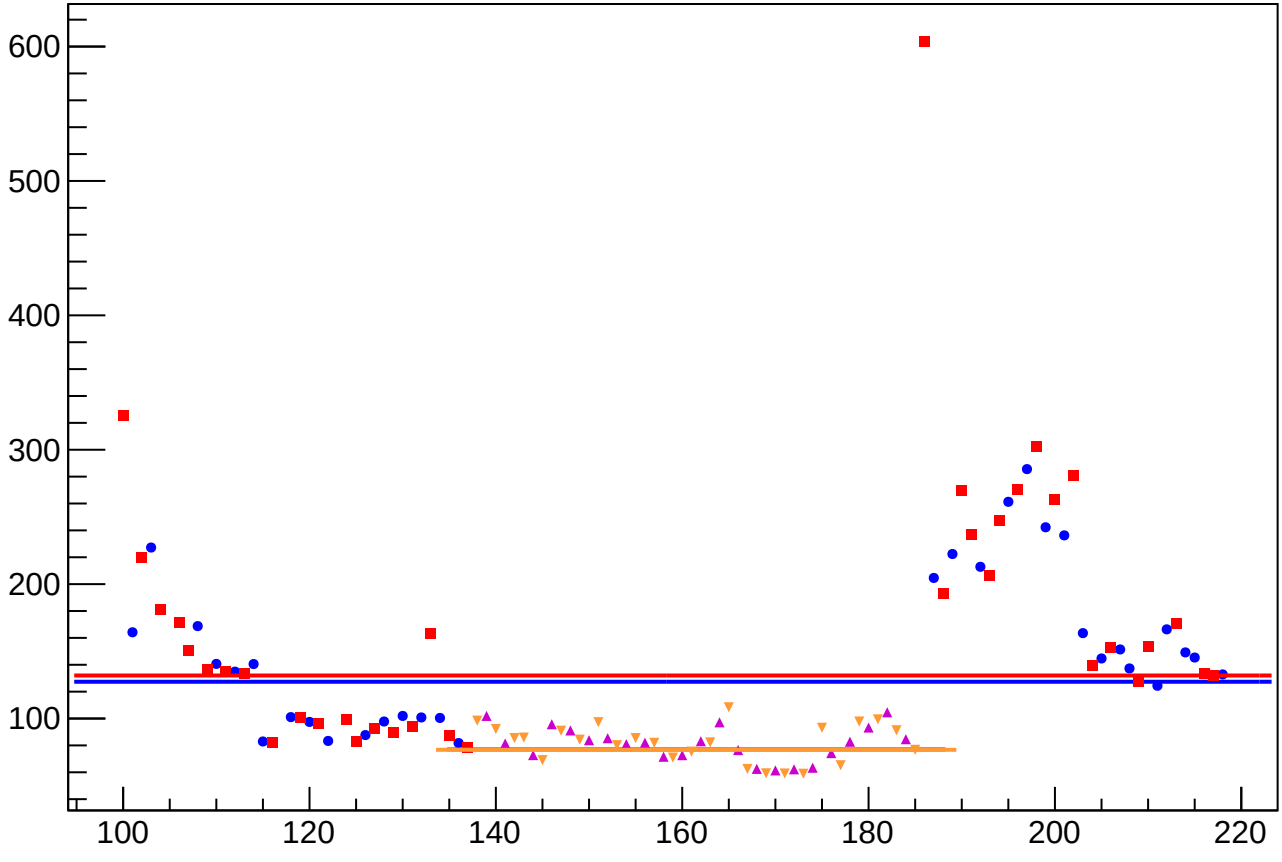
Left In: -69.843+/-18.497 χ^2/NDF:34.5/22

+ sign 42.354+/-15.462 χ^2/NDF: 71.4/56

All: -0.617+/-11.110 χ^2/NDF: 177.6/115

- sign -46.482+/-15.974 χ^2/NDF: 90.2/58

eigen_dit_asym_sam_3726_avg_rms vs Slug



Right In: 127.370+/-0.022 χ^2/NDF: 4313617.2/31

Left Out: 76.744+/-0.013 χ^2/NDF:1234627.7/24

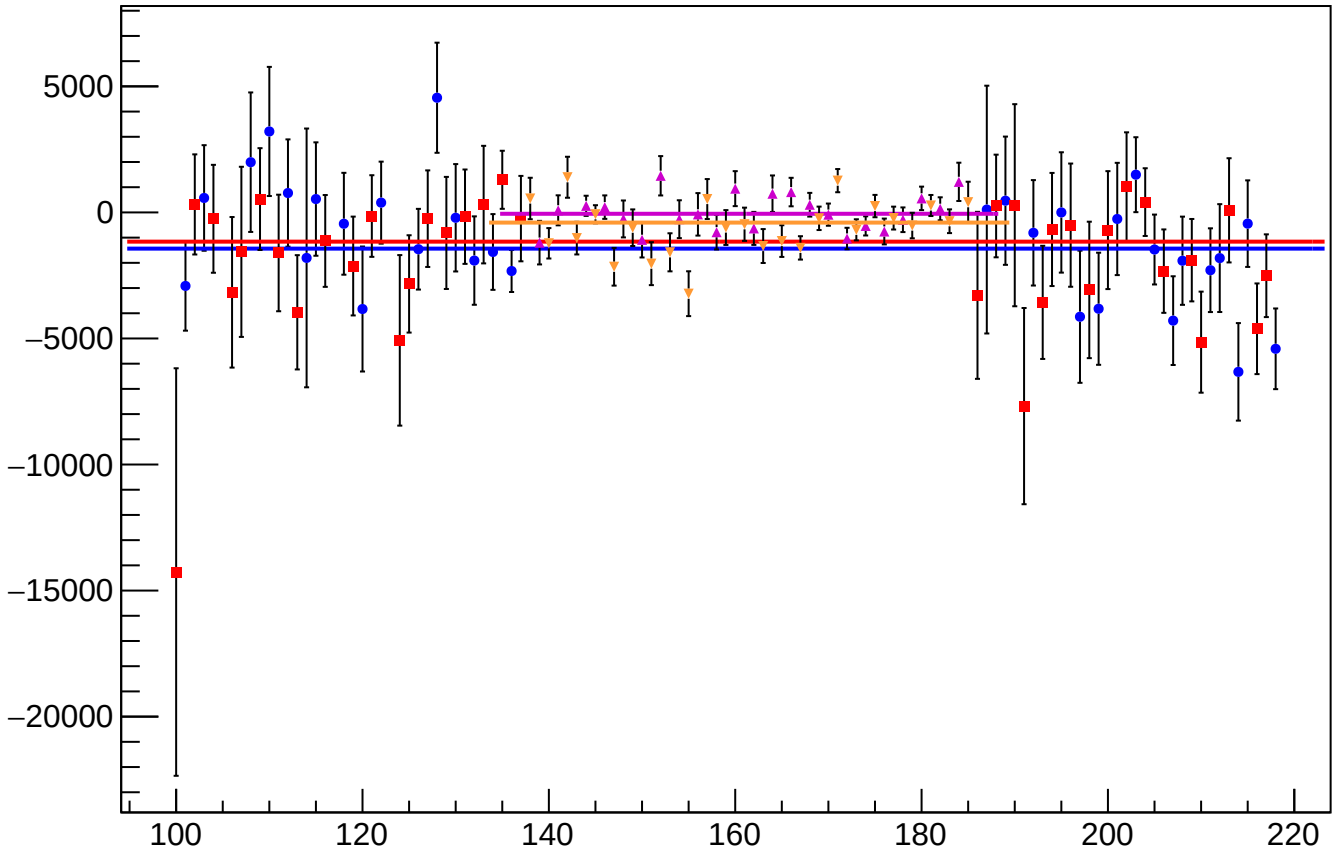
Right Out: 132.020+/-0.022 χ^2/NDF: 5560857.9/35

Left In: 77.018+/-0.013 χ^2/NDF:858863.2/22

+ sign 89.802+/-0.011 χ^2/NDF: 9652223.1/56

All: 90.380+/-0.008 χ^2/NDF: 20571946.7/115

- sign 90.996+/-0.011 χ^2/NDF: 10913959.1/58



Right In: -1436.158+/-325.255 χ^2/NDF: 43.2/31

Left Out: -403.375+/-111.773 χ^2/NDF:60.7/24

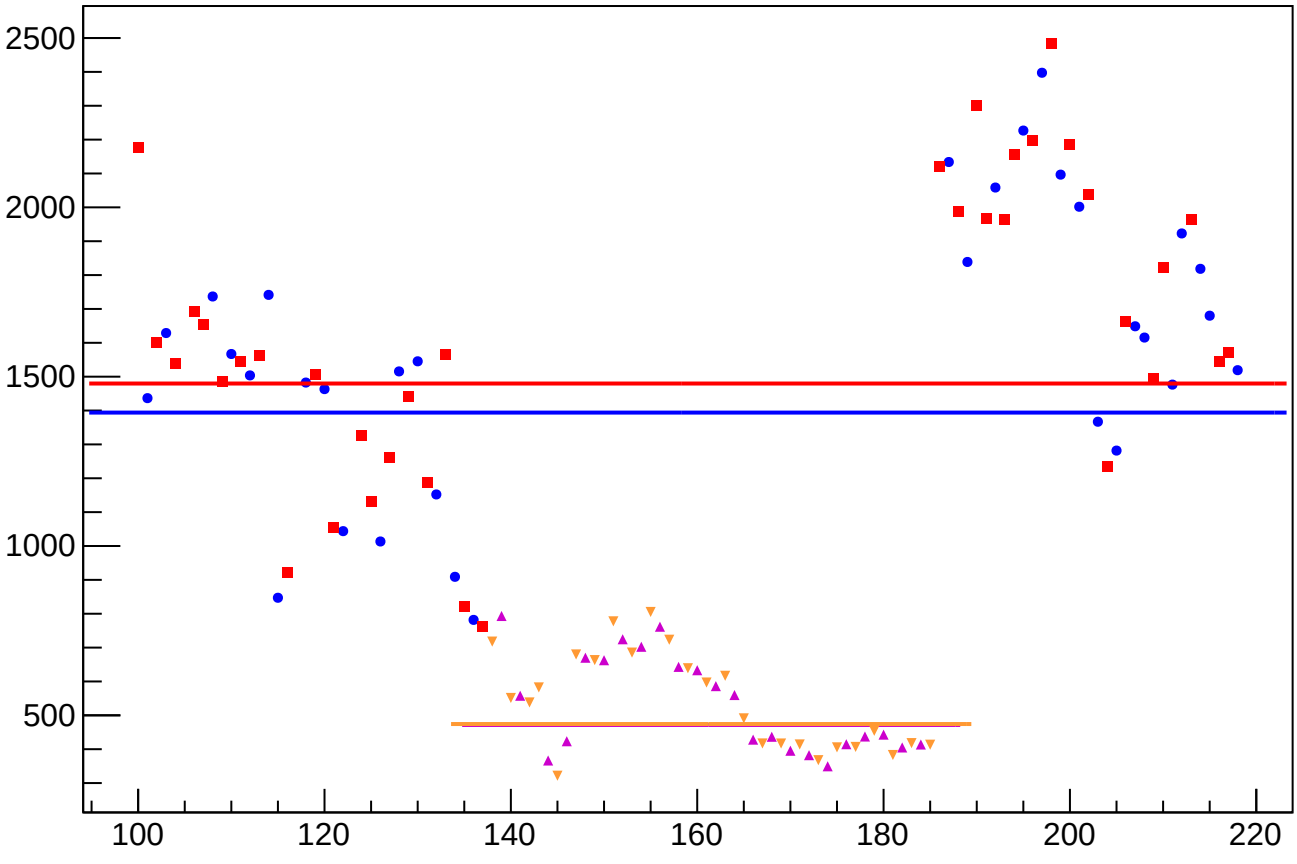
Right Out: -1159.045+/-339.482 χ^2/NDF: 32.0/35

Left In: -54.192+/-114.223 χ^2/NDF:30.7/22

+ sign -512.458+/-105.706 χ^2/NDF: 112.9/56

All: -343.632+/-75.632 χ^2/NDF: 190.3/115

- sign -166.550+/-108.260 χ^2/NDF: 72.2/58



Right In: 1393.958+/-0.230 χ^2/NDF: 3326413.9/31

Left Out: 474.294+/-0.079 χ^2/NDF:2538999.2/24

Right Out: 1479.772+/-0.240 χ^2/NDF: 3149285.7/35

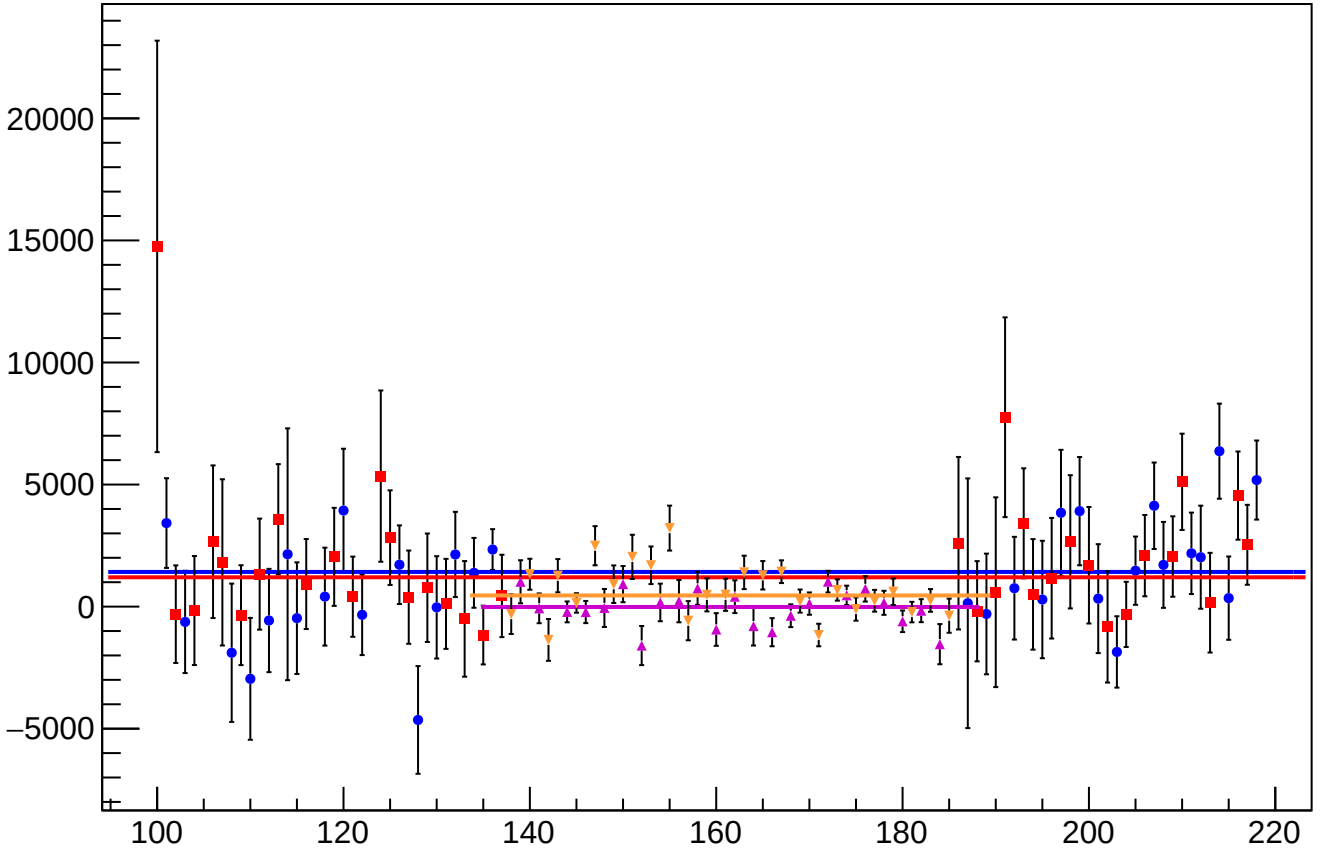
Left In: 471.456+/-0.081 χ^2/NDF:2209338.4/22

+ sign 571.429+/-0.075 χ^2/NDF: 20166262.9/56

All: 572.682+/-0.053 χ^2/NDF: 41374861.7/11

- sign 573.996+/-0.077 χ^2/NDF: 21208023.1/58

asym_sam_3726_avg_mean vs Slug



Right In: 1420.830+/-325.254 χ^2/NDF: 43.2/31

Left Out: 457.286+/-114.351 χ^2/NDF:59.4/24

Right Out: 1201.431+/-342.953 χ^2/NDF: 28.7/35

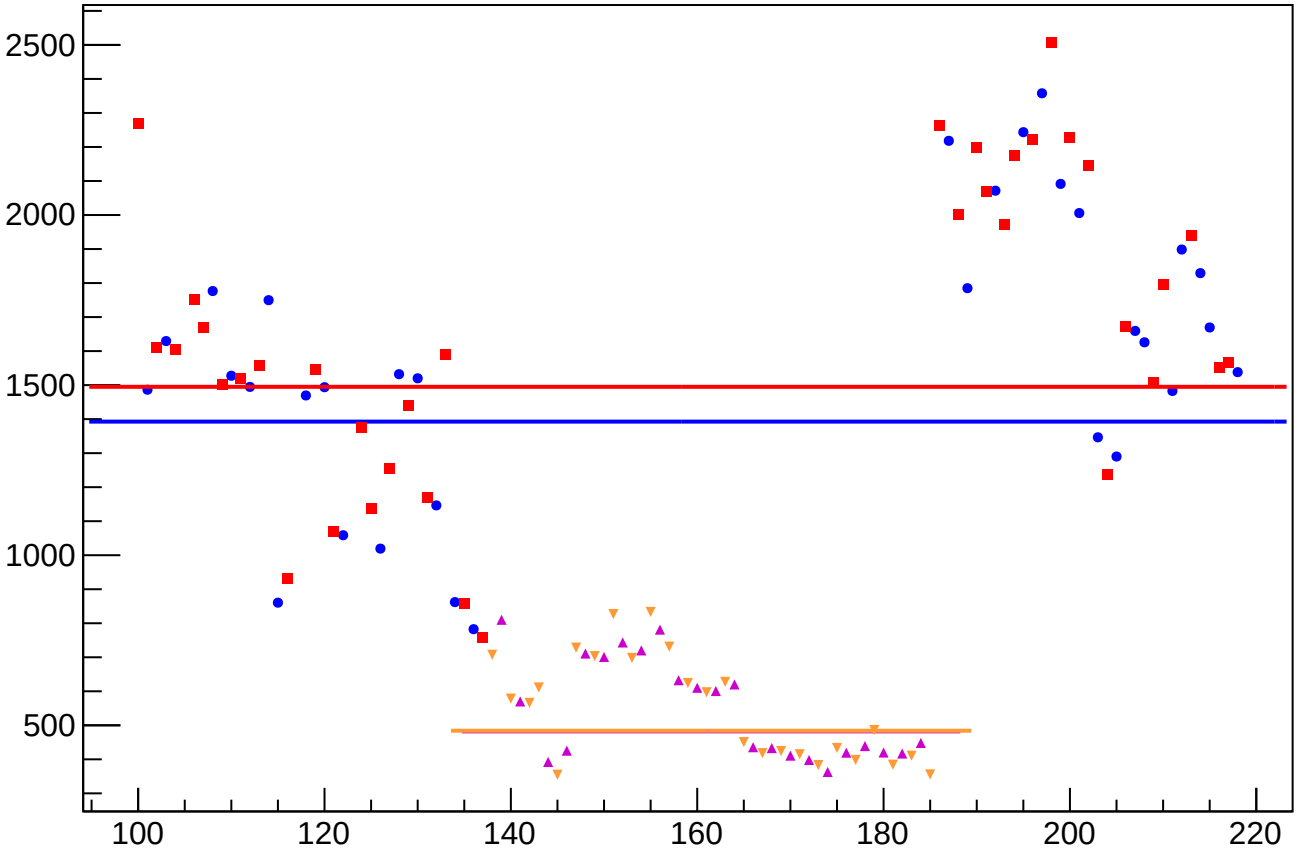
Left In: -15.089+/-116.701 χ^2/NDF:30.3/22

+ sign 563.283+/-107.878 χ^2/NDF: 110.4/56

All: 342.605+/-77.185 χ^2/NDF: 189.2/115

- sign 111.156+/-110.480 χ^2/NDF: 70.2/58

asym_sam_3726_avg_rms vs Slug



Right In: 1392.722+/-0.230 χ^2/NDF: 3363714.3/31

Left Out: 484.128+/-0.081 χ^2/NDF:2548479.4/24

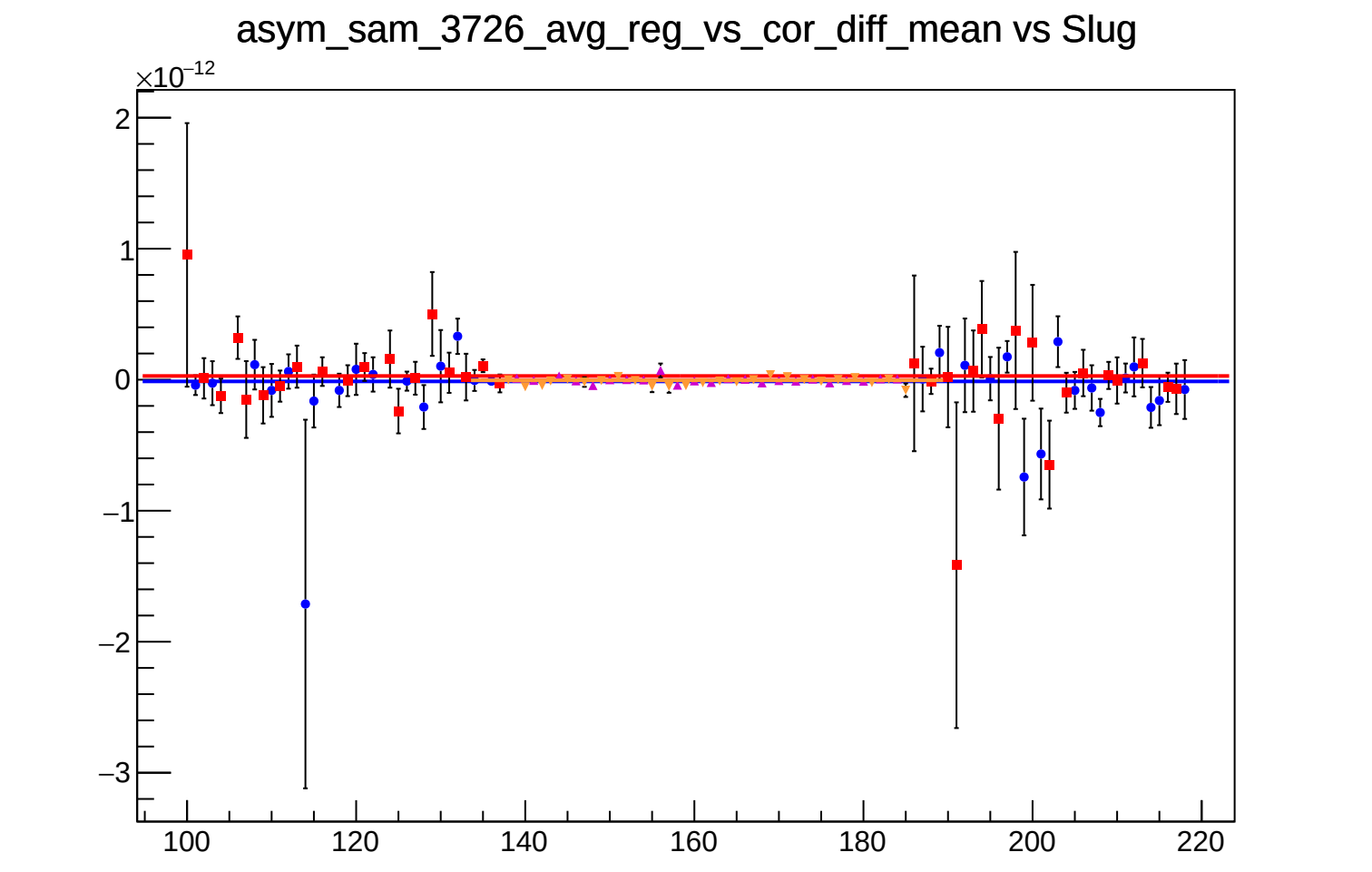
Right Out: 1495.036+/-0.243 χ^2/NDF: 3116476.1/35

Left In: 482.160+/-0.083 χ^2/NDF:2186689.9/22

+ sign 584.081+/-0.076 χ^2/NDF: 19802494.1/56

All: 585.638+/-0.055 χ^2/NDF: 40741234.9/11

- sign 587.271+/-0.078 χ^2/NDF: 20937886.7/58



Right In: -0.000+/-0.000 χ^2/NDF: 31.3/31

Left Out: -0.000+/-0.000 χ^2/NDF:31.0/24

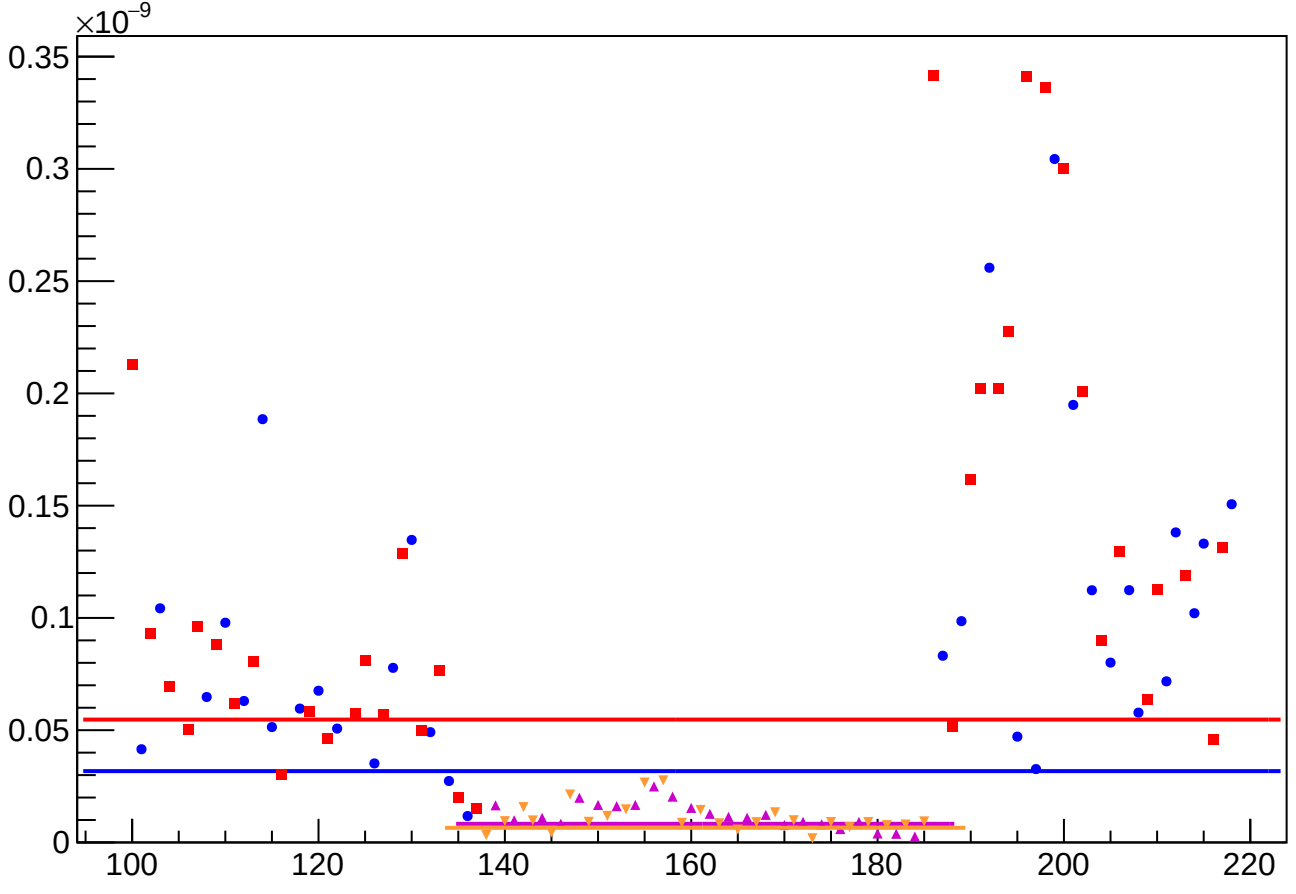
Right Out: 0.000+/-0.000 χ^2/NDF: 25.3/35

Left In: -0.000+/-0.000 χ^2/NDF:15.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 62.6/56

All: -0.000+/-0.000 χ^2/NDF: 105.0/115

- sign -0.000+/-0.000 χ^2/NDF: 42.2/58



Right In: 0.000+/-0.000 χ^2/NDF: 9108617.4/31

Left Out: 0.000+/-0.000 χ^2/NDF:3737127.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7035068.4/35

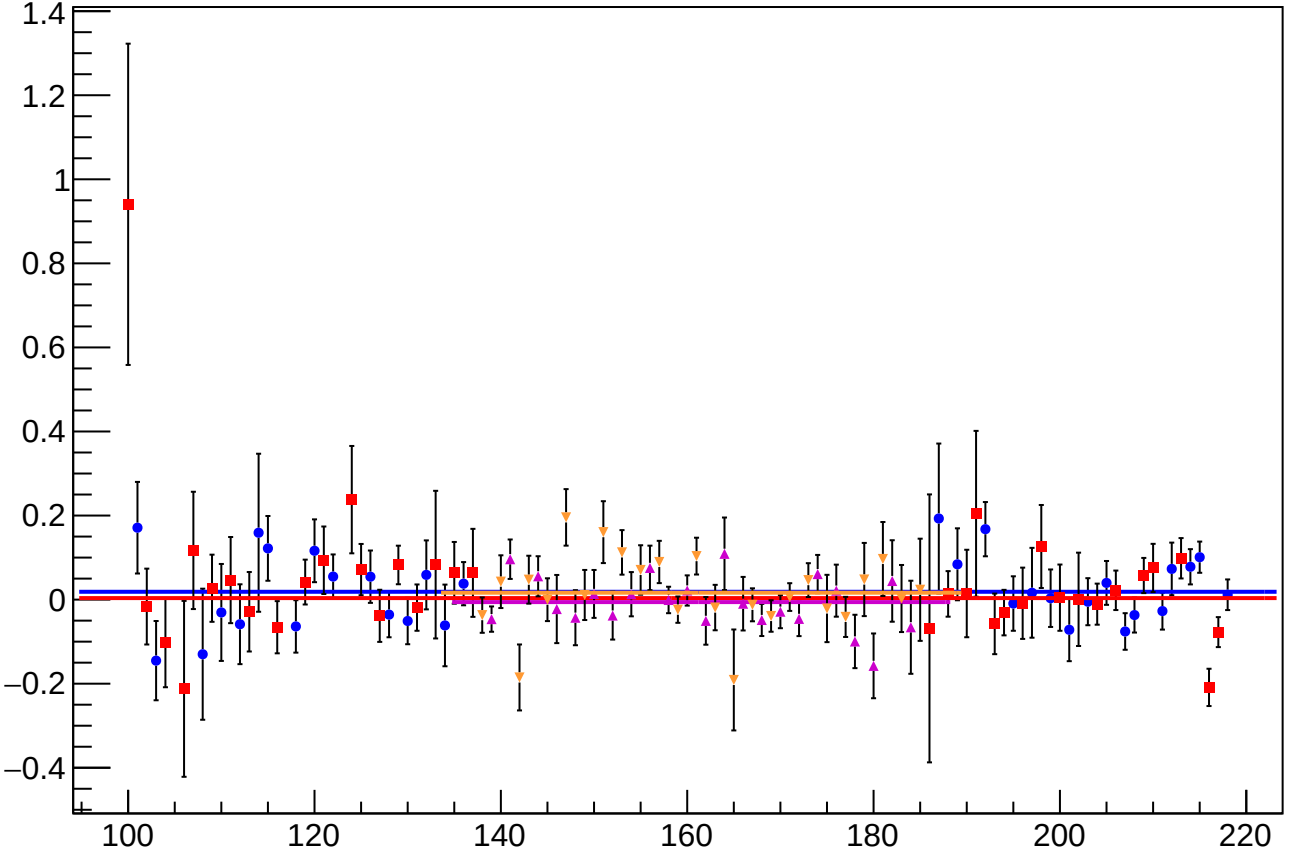
Left In: 0.000+/-0.000 χ^2/NDF:2799238.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 17607614.5/56

All: 0.000+/-0.000 χ^2/NDF: 35588512.2/115

- sign 0.000+/-0.000 χ^2/NDF: 17632321.6/58

asym_sam_3726_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.019+/-0.011 χ^2/NDF: 41.2/31

Left Out: 0.016+/-0.010 χ^2/NDF:41.1/24

Right Out: 0.004+/-0.011 χ^2/NDF: 60.8/35

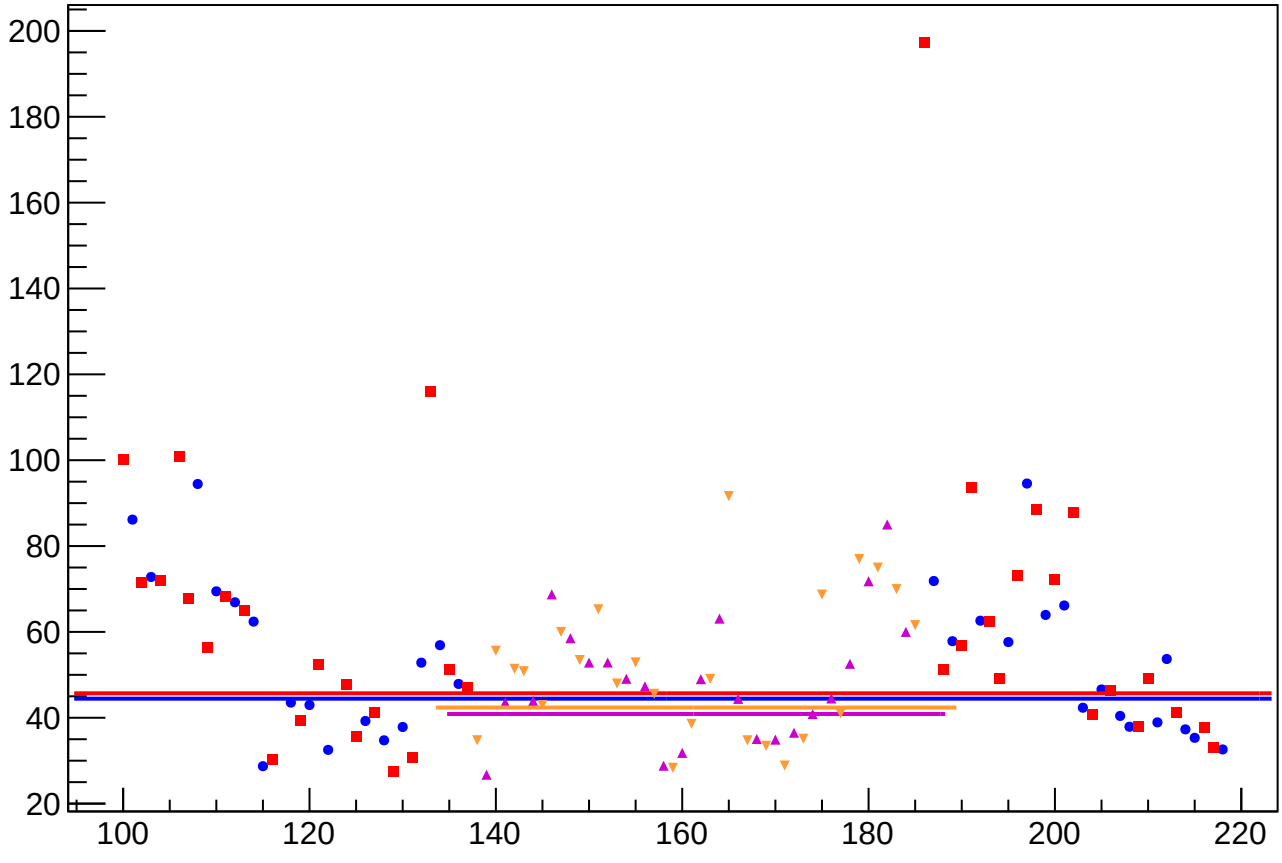
Left In: -0.006+/-0.010 χ^2/NDF:26.0/22

+ sign 0.018+/-0.007 χ^2/NDF: 82.3/56

All: 0.008+/-0.005 χ^2/NDF: 172.7/115

- sign -0.002+/-0.008 χ^2/NDF: 87.2/58

asym_sam_3726_avg_dit_vs_cor_diff_rms vs Slug



Right In: 44.448+/-0.008 χ^2/NDF: 2907158.7/31

Left Out: 42.375+/-0.007 χ^2/NDF:3190972.5/24

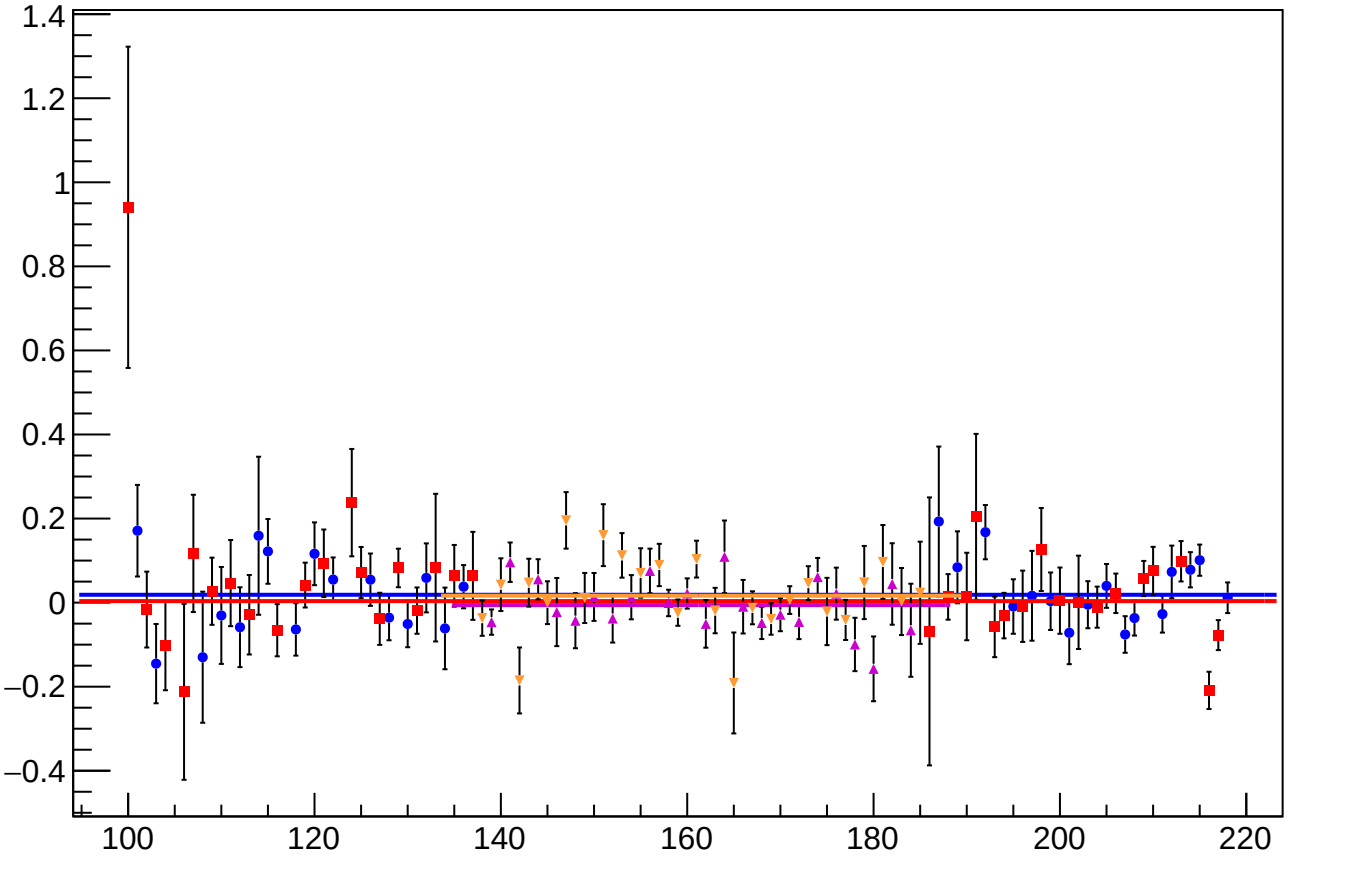
Right Out: 45.697+/-0.008 χ^2/NDF: 4015321.5/35

Left In: 40.881+/-0.007 χ^2/NDF:2678327.2/22

+ sign 43.376+/-0.005 χ^2/NDF: 6136894.5/56

All: 43.240+/-0.004 χ^2/NDF: 13034204.2/115

- sign 43.101+/-0.005 χ^2/NDF: 6895963.5/58



Right In: 0.019+/-0.011 χ^2/NDF: 41.2/31

Left Out: 0.016+/-0.010 χ^2/NDF:41.1/24

Right Out: 0.004+/-0.011 χ^2/NDF: 60.8/35

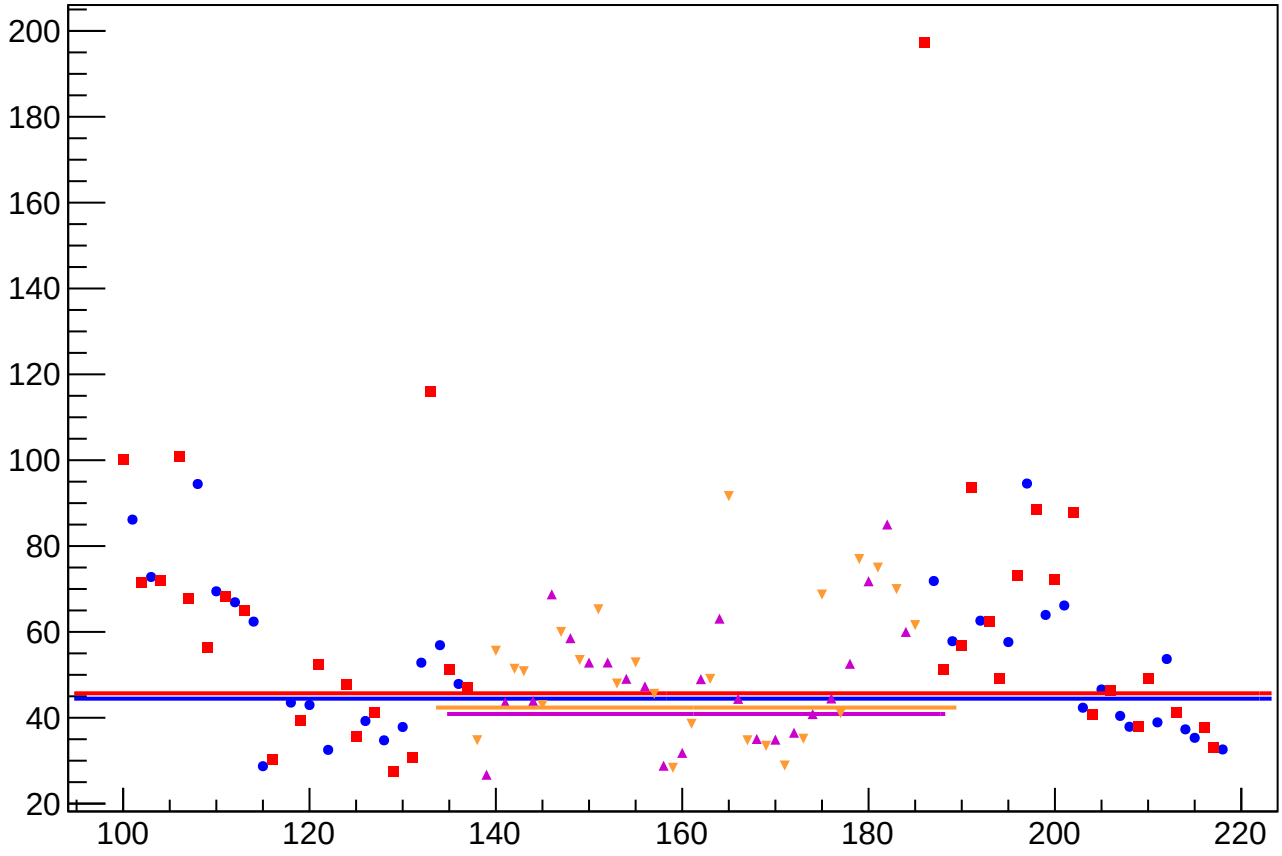
Left In: -0.006+/-0.010 χ^2/NDF:26.0/22

+ sign 0.018+/-0.007 χ^2/NDF: 82.3/56

All: 0.008+/-0.005 χ^2/NDF: 172.7/115

- sign -0.002+/-0.008 χ^2/NDF: 87.2/58

asym_sam_3726_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 44.448+/-0.008 χ^2/NDF: 2907158.7/31

Left Out: 42.375+/-0.007 χ^2/NDF:3190972.5/24

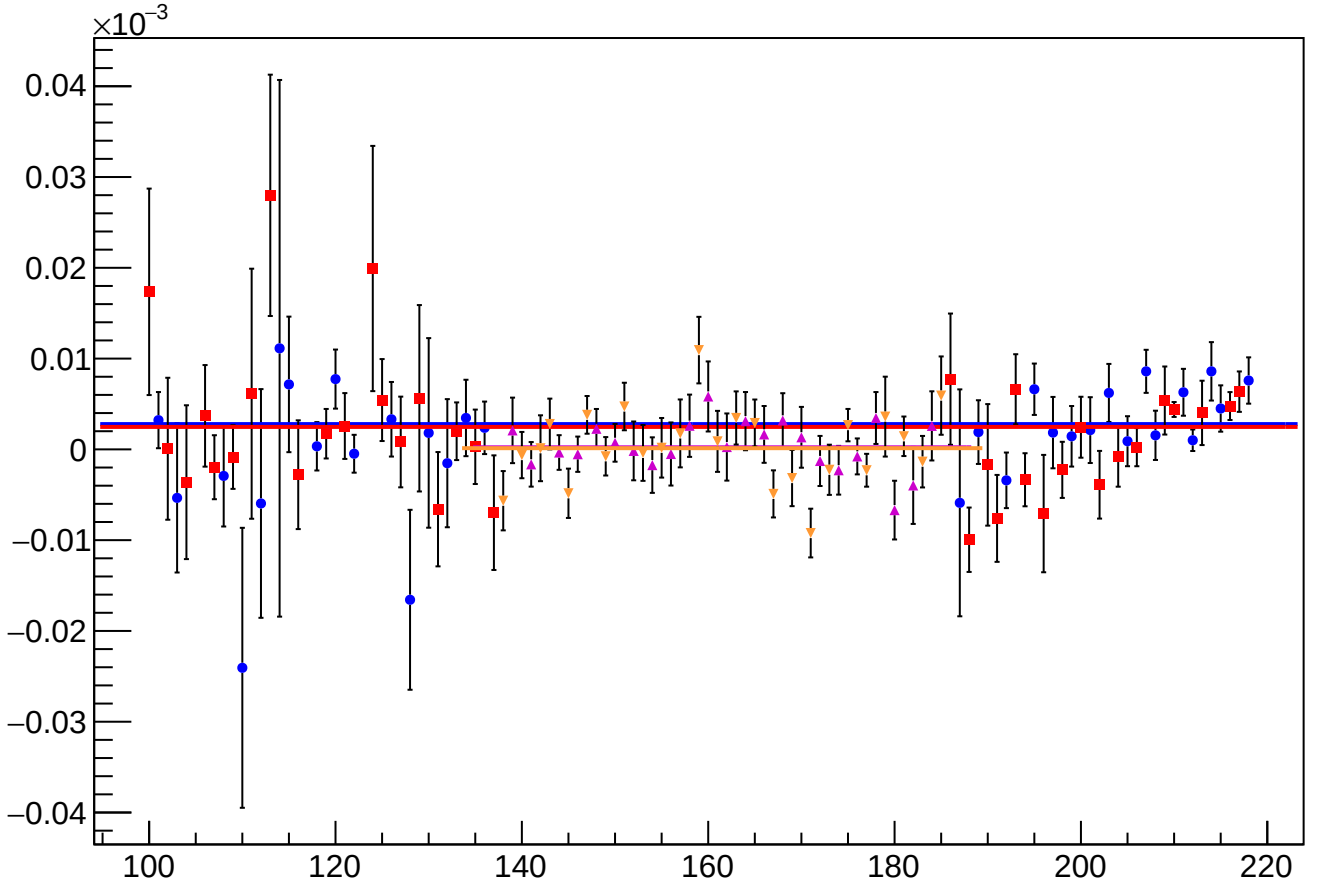
Right Out: 45.697+/-0.008 χ^2/NDF: 4015321.5/35

Left In: 40.881+/-0.007 χ^2/NDF:2678327.2/22

+ sign 43.376+/-0.005 χ^2/NDF: 6136894.5/56

All: 43.240+/-0.004 χ^2/NDF: 13034204.2/115

- sign 43.101+/-0.005 χ^2/NDF: 6895963.5/58



Right In: 0.000+/-0.000 χ^2/NDF: 41.8/31

Left Out: 0.000+/-0.000 χ^2/NDF:49.9/24

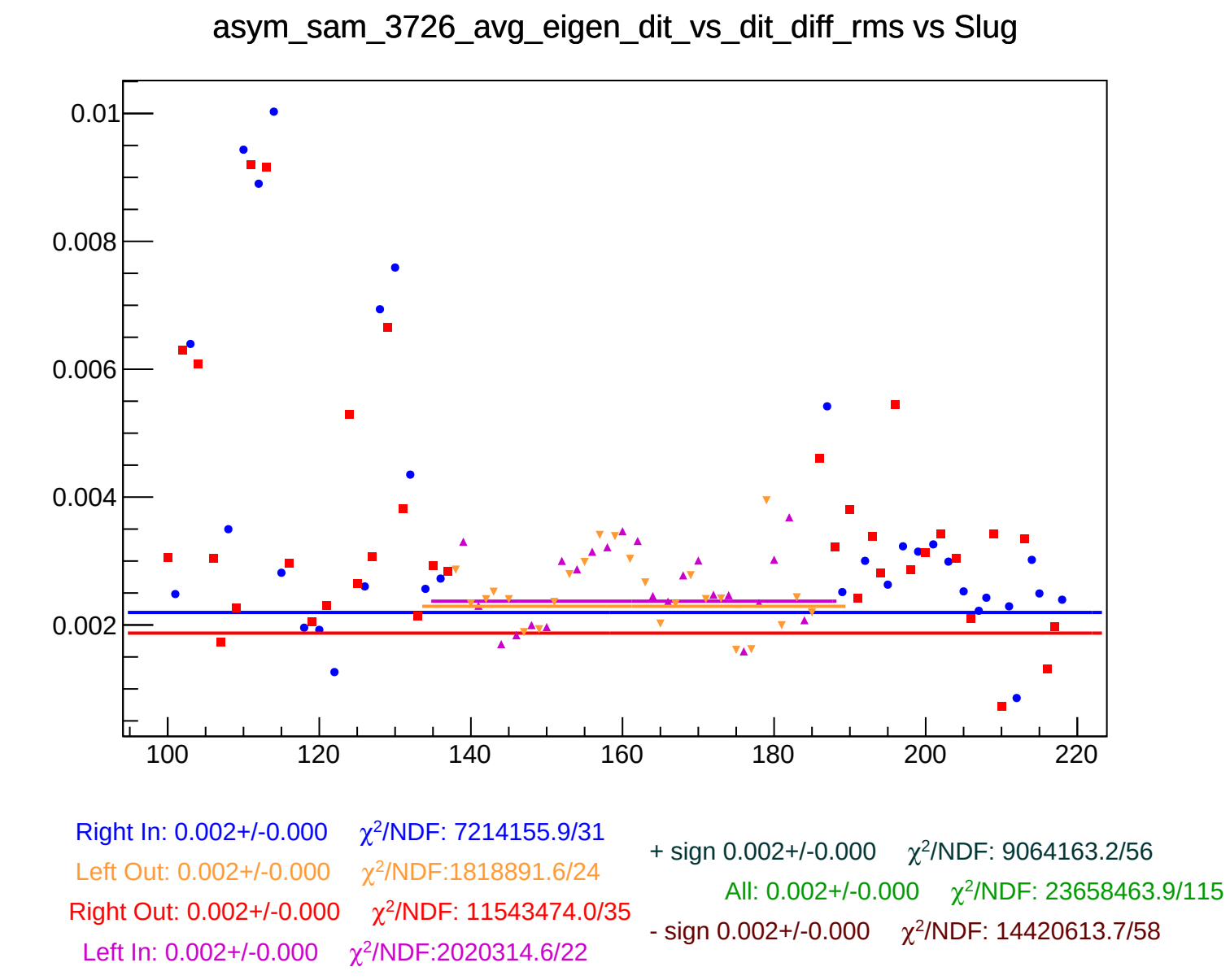
Right Out: 0.000+/-0.000 χ^2/NDF: 60.3/35

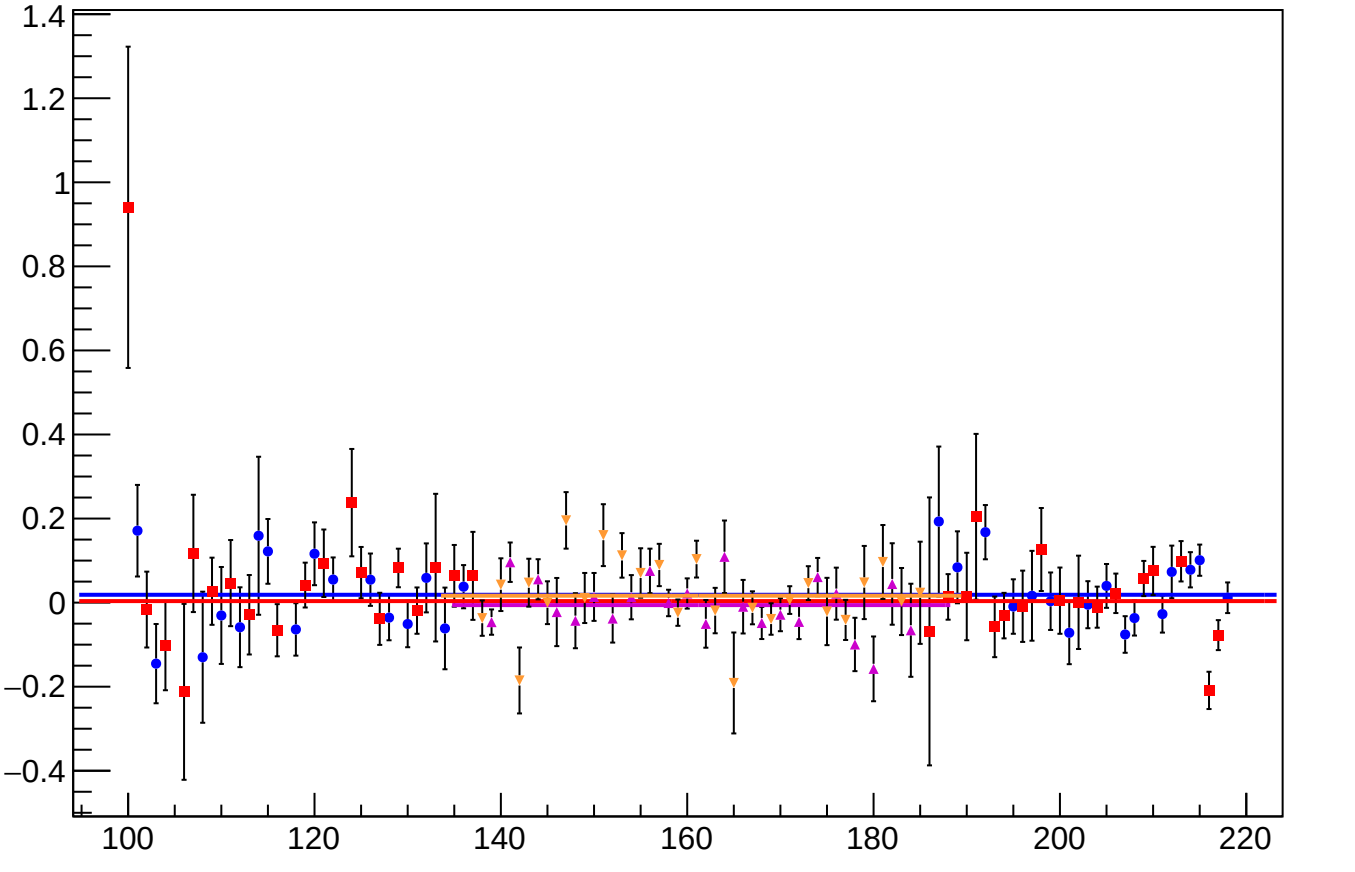
Left In: 0.000+/-0.000 χ^2/NDF:15.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 103.6/56

All: 0.000+/-0.000 χ^2/NDF: 188.4/115

- sign 0.000+/-0.000 χ^2/NDF: 84.8/58


asym_sam_3726_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.01
0.008
0.006
0.004
0.002
100
120
140
160
180
200
220
Right In: 0.002+/-0.000 χ²/NDF: 7214155.9/31
Left Out: 0.002+/-0.000 χ²/NDF:1818891.6/24
Right Out: 0.002+/-0.000 χ²/NDF: 11543474.0/35
Left In: 0.002+/-0.000 χ²/NDF:2020314.6/22
+ sign 0.002+/-0.000 χ²/NDF: 9064163.2/56
All: 0.002+/-0.000 χ²/NDF: 23658463.9/115
- sign 0.002+/-0.000 χ²/NDF: 14420613.7/58



Right In: 0.019+/-0.011 χ^2/NDF: 41.2/31

Left Out: 0.016+/-0.010 χ^2/NDF:41.1/24

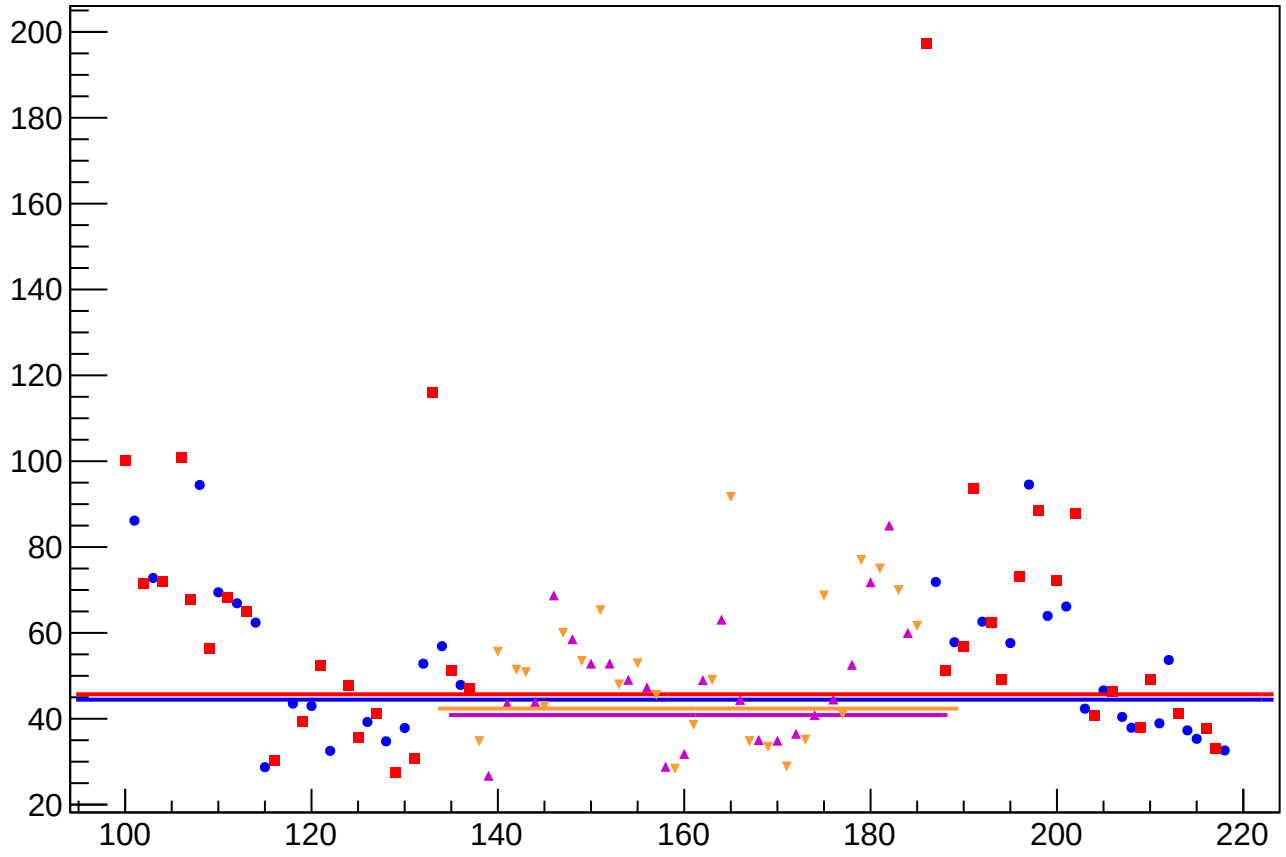
Right Out: 0.004+/-0.011 χ^2/NDF: 60.8/35

Left In: -0.006+/-0.010 χ^2/NDF:26.0/22

+ sign 0.018+/-0.007 χ^2/NDF: 82.3/56

All: 0.008+/-0.005 χ^2/NDF: 172.7/115

- sign -0.002+/-0.008 χ^2/NDF: 87.2/58



Right In: 44.448+/-0.008 χ^2/NDF: 2907120.1/31

Left Out: 42.375+/-0.007 χ^2/NDF:3190999.9/24

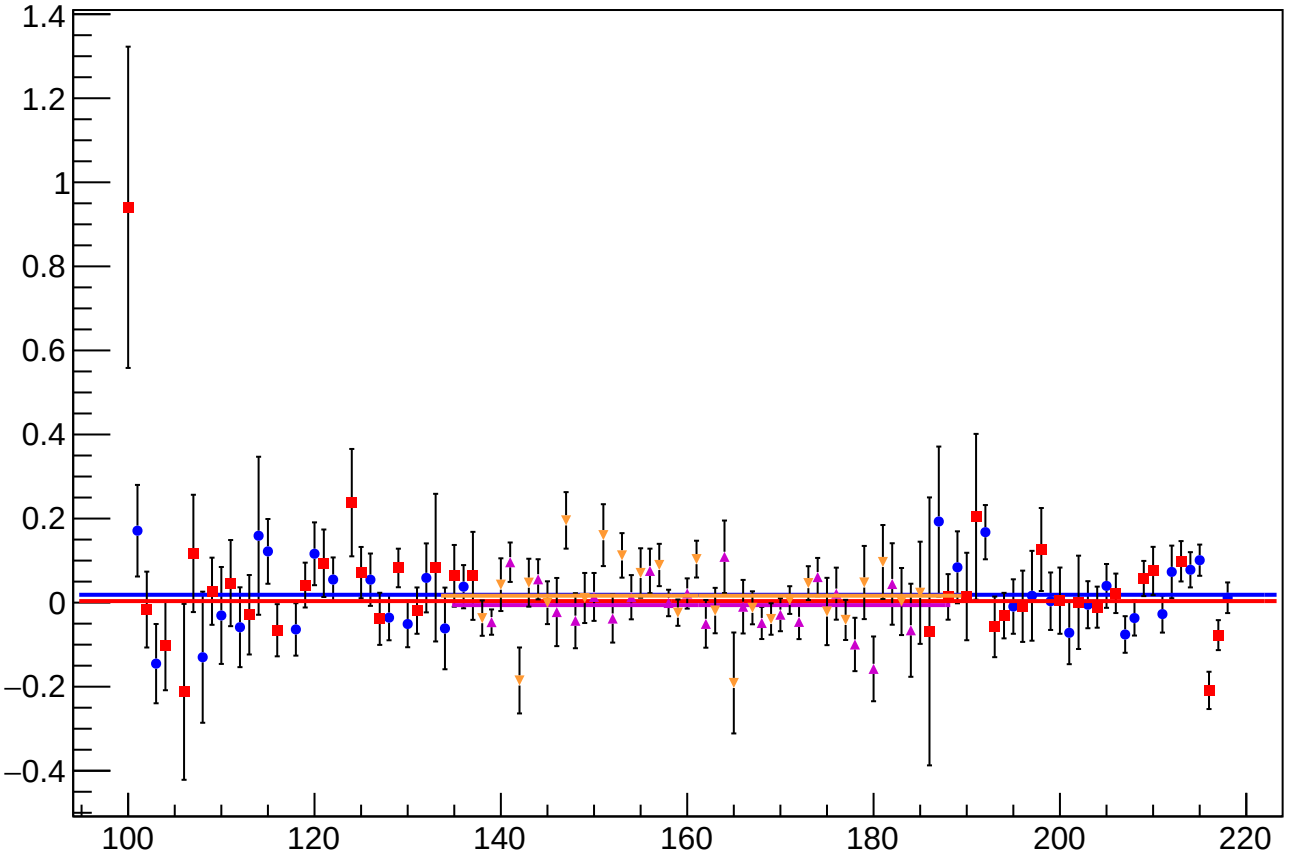
Right Out: 45.697+/-0.008 χ^2/NDF: 4015289.8/35

Left In: 40.881+/-0.007 χ^2/NDF:2678344.3/22

+ sign 43.376+/-0.005 χ^2/NDF: 6136871.2/56

All: 43.240+/-0.004 χ^2/NDF: 13034129.8/115

- sign 43.101+/-0.005 χ^2/NDF: 6895912.8/58



Right In: 0.019+/-0.011 χ^2/NDF: 41.2/31

Left Out: 0.016+/-0.010 χ^2/NDF:41.1/24

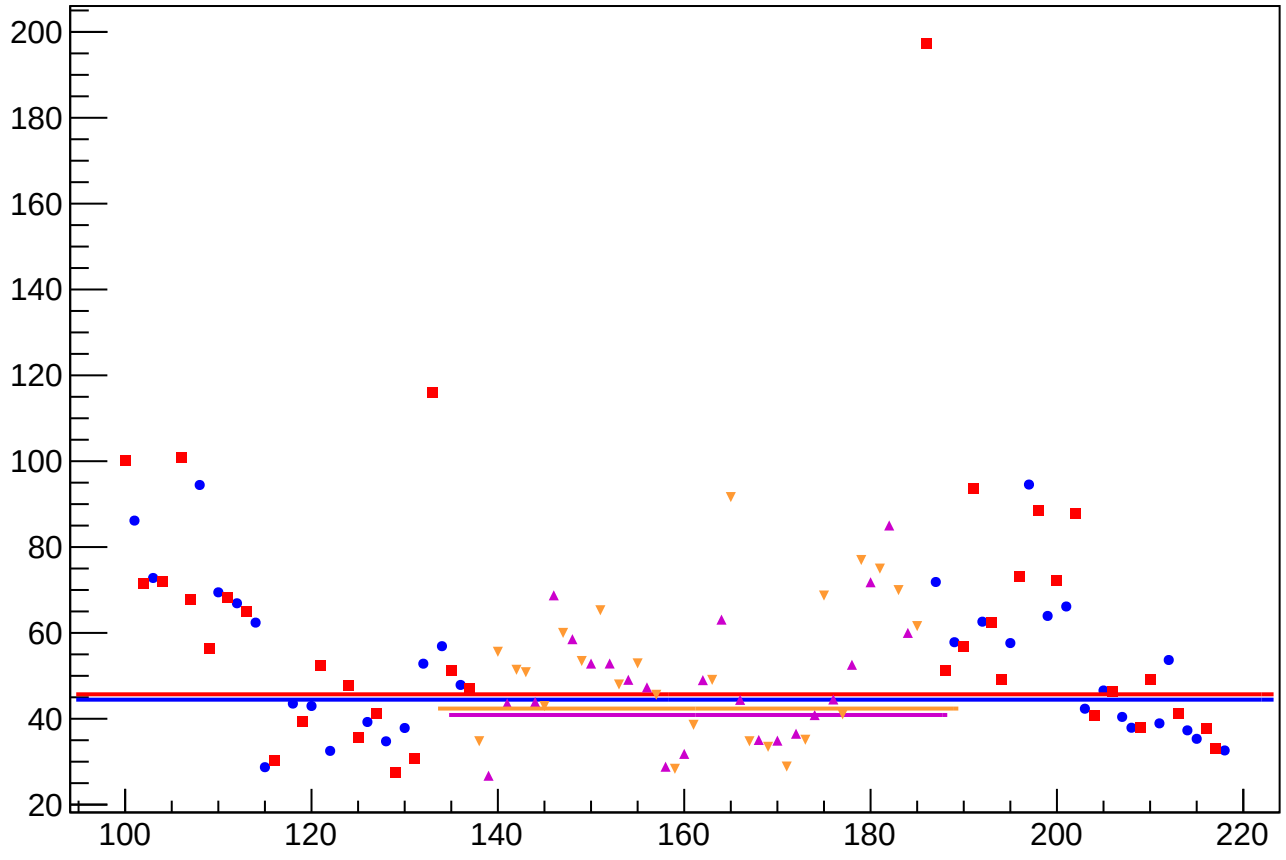
Right Out: 0.004+/-0.011 χ^2/NDF: 60.8/35

Left In: -0.006+/-0.010 χ^2/NDF:26.0/22

+ sign 0.018+/-0.007 χ^2/NDF: 82.3/56

All: 0.008+/-0.005 χ^2/NDF: 172.7/115

- sign -0.002+/-0.008 χ^2/NDF: 87.2/58



Right In: 44.448+/-0.008 χ^2/NDF: 2907120.1/31

Left Out: 42.375+/-0.007 χ^2/NDF:3190999.9/24

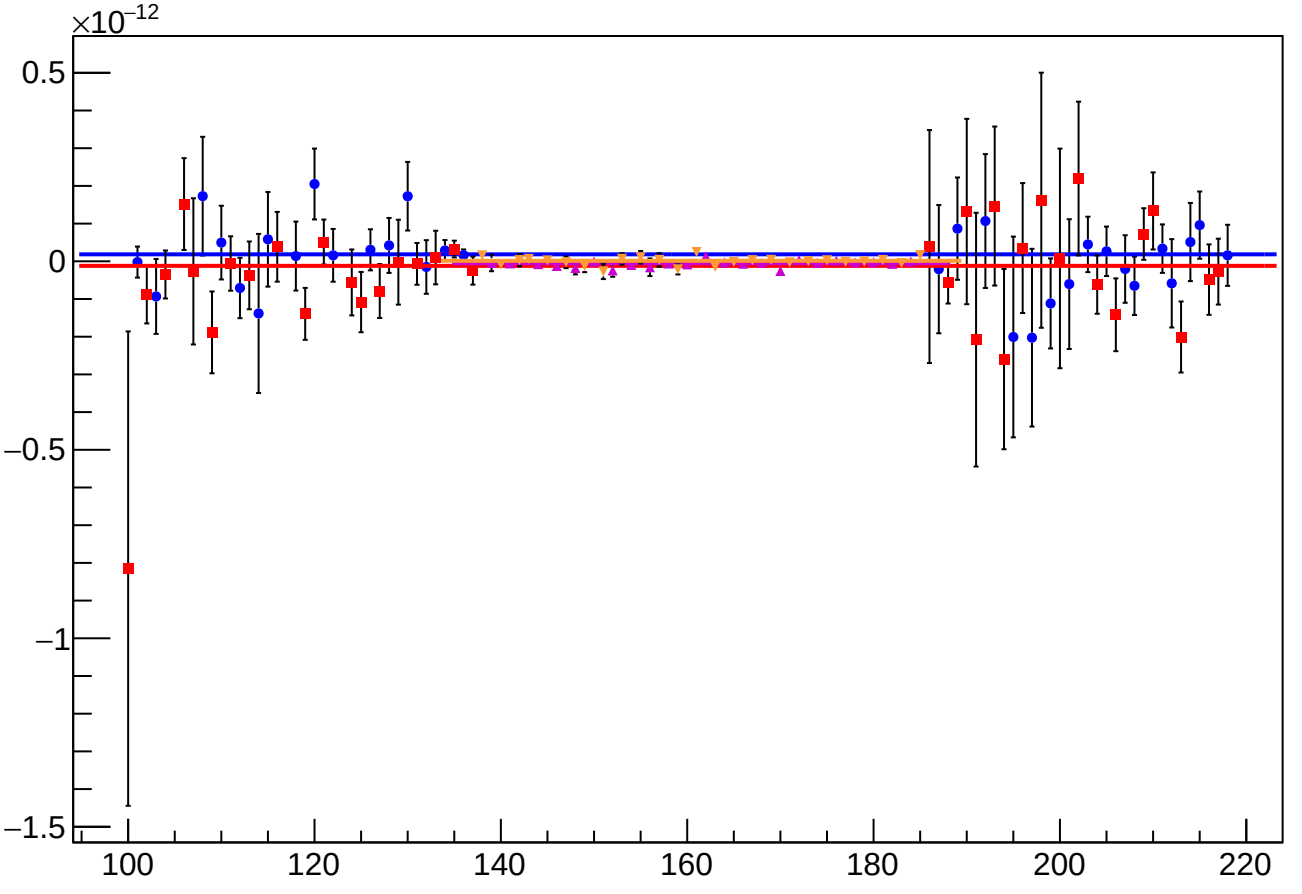
Right Out: 45.697+/-0.008 χ^2/NDF: 4015289.8/35

Left In: 40.881+/-0.007 χ^2/NDF:2678344.3/22

+ sign 43.376+/-0.005 χ^2/NDF: 6136871.2/56

All: 43.240+/-0.004 χ^2/NDF: 13034129.8/115

- sign 43.101+/-0.005 χ^2/NDF: 6895912.8/58



Right In: 0.000+/-0.000 χ^2/NDF: 18.2/31

Left Out: 0.000+/-0.000 χ^2/NDF:19.7/24

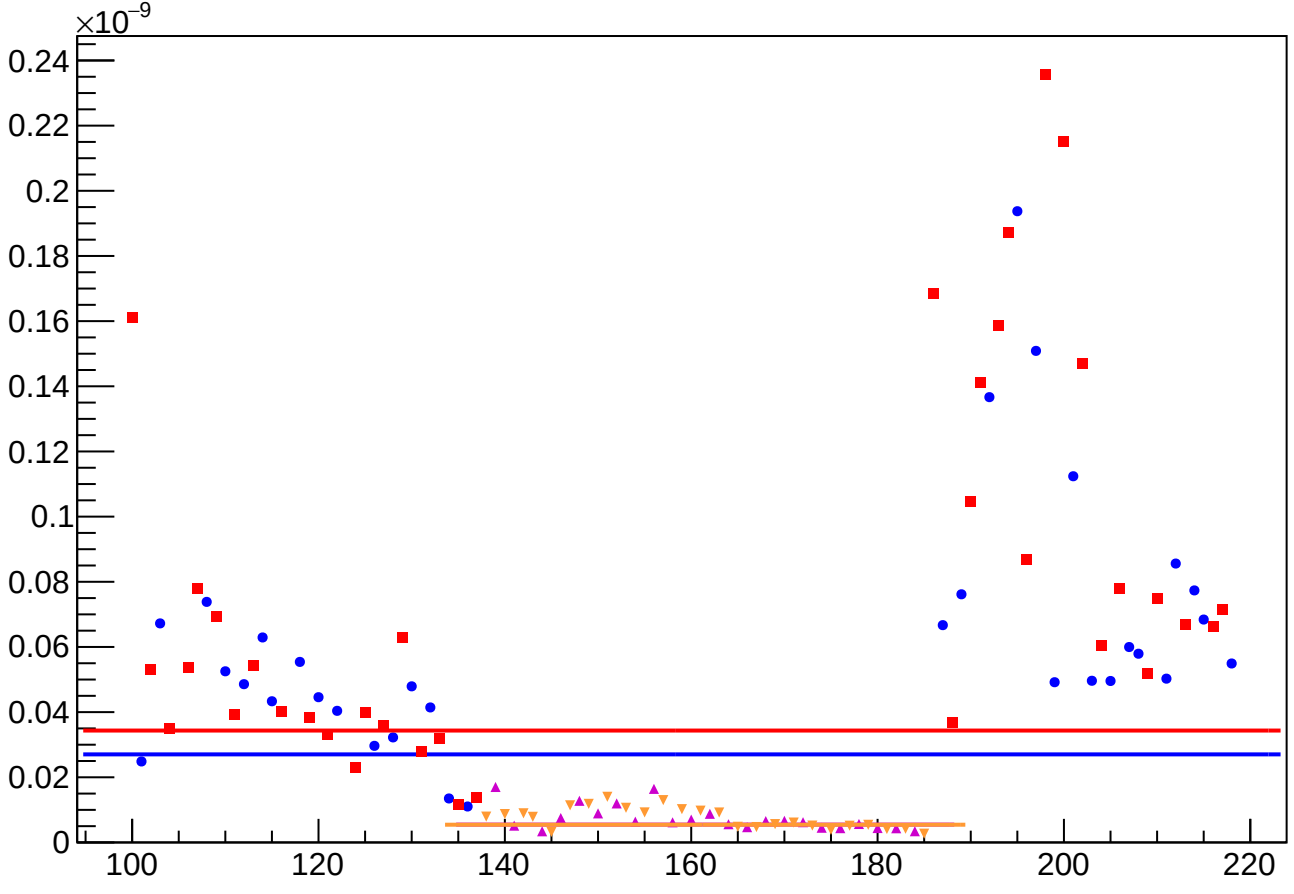
Right Out: -0.000+/-0.000 χ^2/NDF: 33.5/35

Left In: -0.000+/-0.000 χ^2/NDF:13.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 40.6/56

All: -0.000+/-0.000 χ^2/NDF: 96.0/115

- sign -0.000+/-0.000 χ^2/NDF: 47.0/58



Right In: 0.000+/-0.000 χ^2/NDF: 10057733.1/31

Left Out: 0.000+/-0.000 χ^2/NDF:3789045.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9984163.3/35

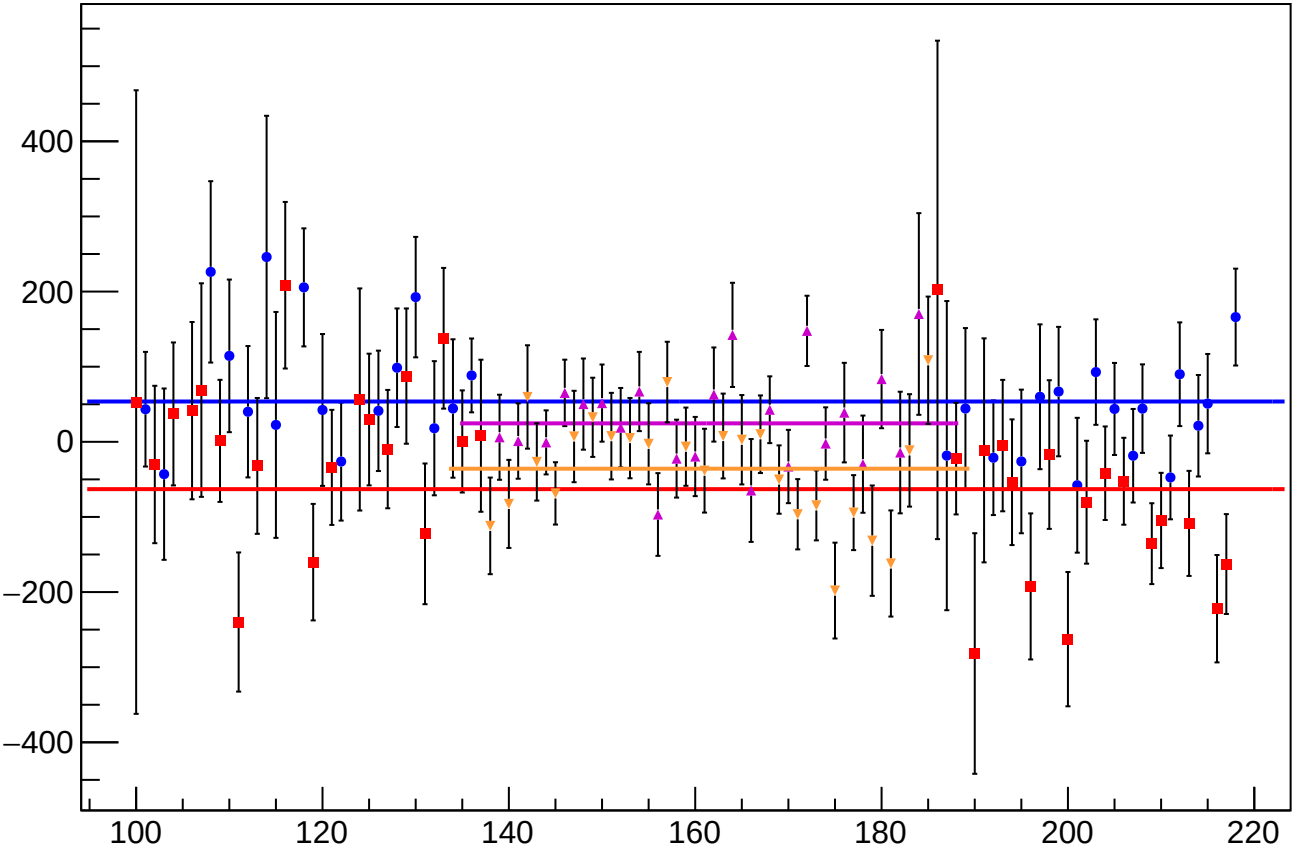
Left In: 0.000+/-0.000 χ^2/NDF:2801443.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 22589633.8/56

All: 0.000+/-0.000 χ^2/NDF: 46389933.8/115

- sign 0.000+/-0.000 χ^2/NDF: 23799857.1/58

reg_asym_sam_15_48_dd_mean vs Slug



Right In: 53.658+/-13.918 χ^2/NDF: 25.0/31

Left Out: -35.787+/-11.119 χ^2/NDF:33.7/24

Right Out: -62.991+/-14.217 χ^2/NDF: 46.8/35

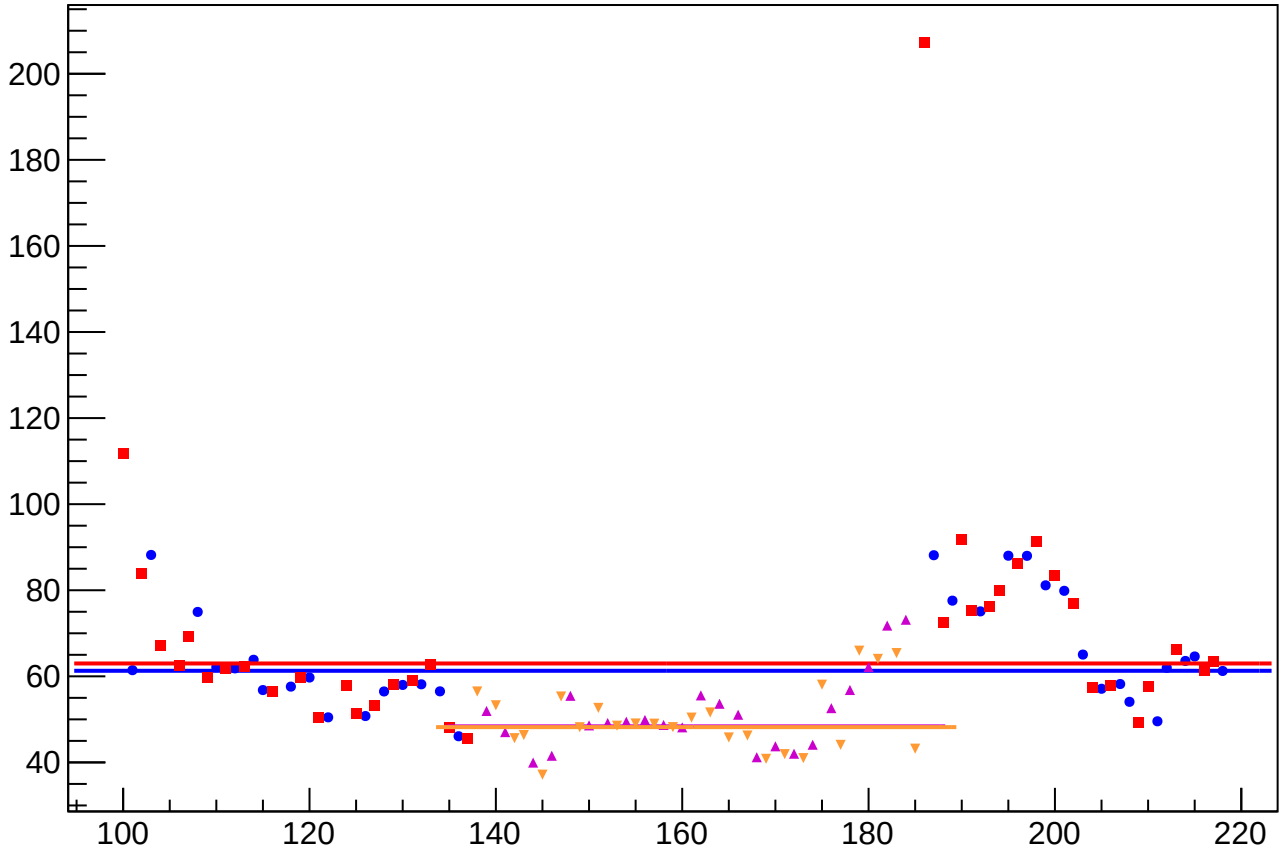
Left In: 24.572+/-11.471 χ^2/NDF:25.7/22

+ sign -0.939+/-8.687 χ^2/NDF: 83.9/56

All: -5.324+/-6.226 χ^2/NDF: 179.9/115

- sign -9.956+/-8.927 χ^2/NDF: 95.6/58

reg_asym_sam_15_48_dd_rms vs Slug



Right In: 61.288+/-0.010 χ^2/NDF: 1220797.1/31

Left Out: 48.198+/-0.008 χ^2/NDF:780285.2/24

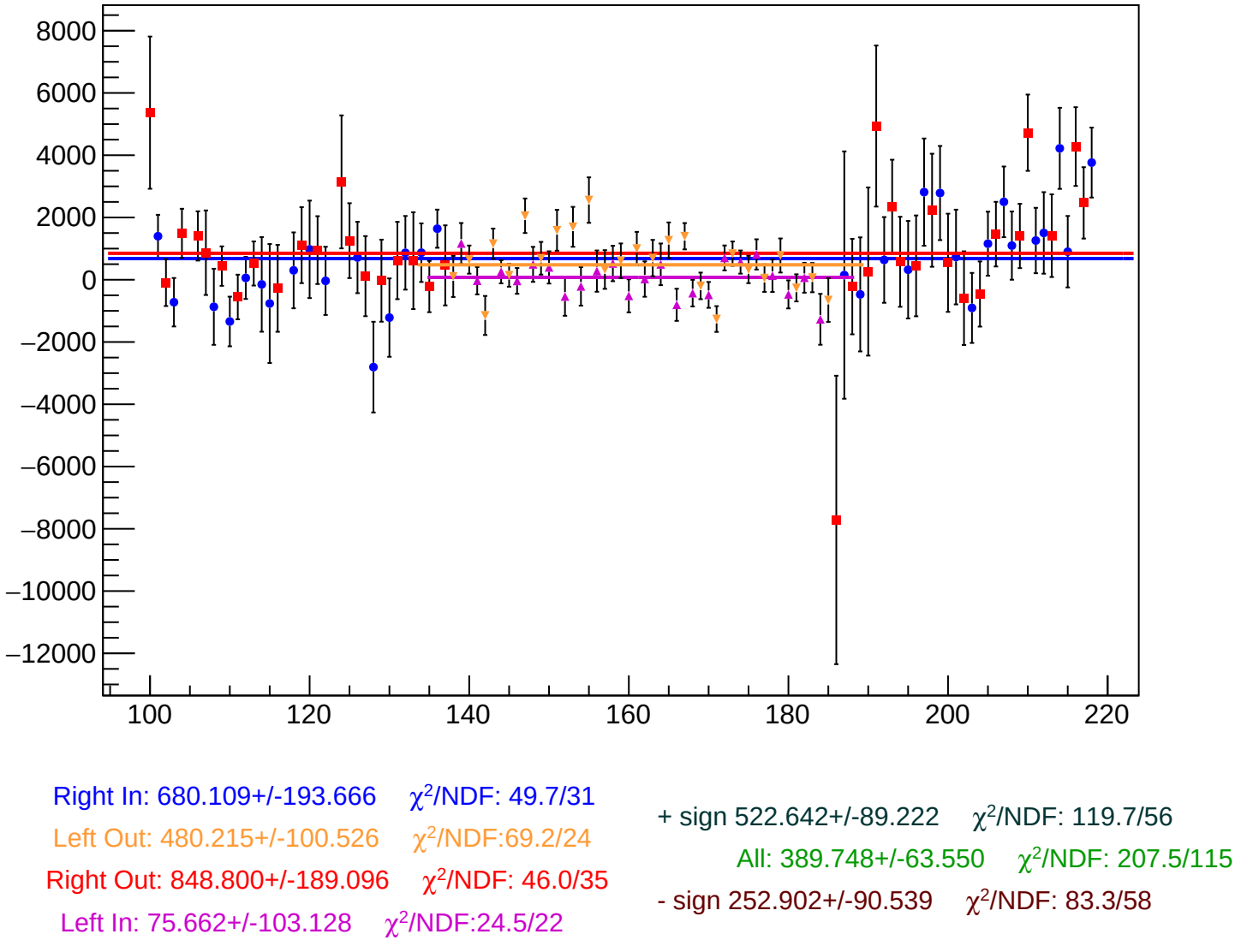
Right Out: 62.988+/-0.010 χ^2/NDF: 1653938.4/35

Left In: 48.381+/-0.008 χ^2/NDF:695381.8/22

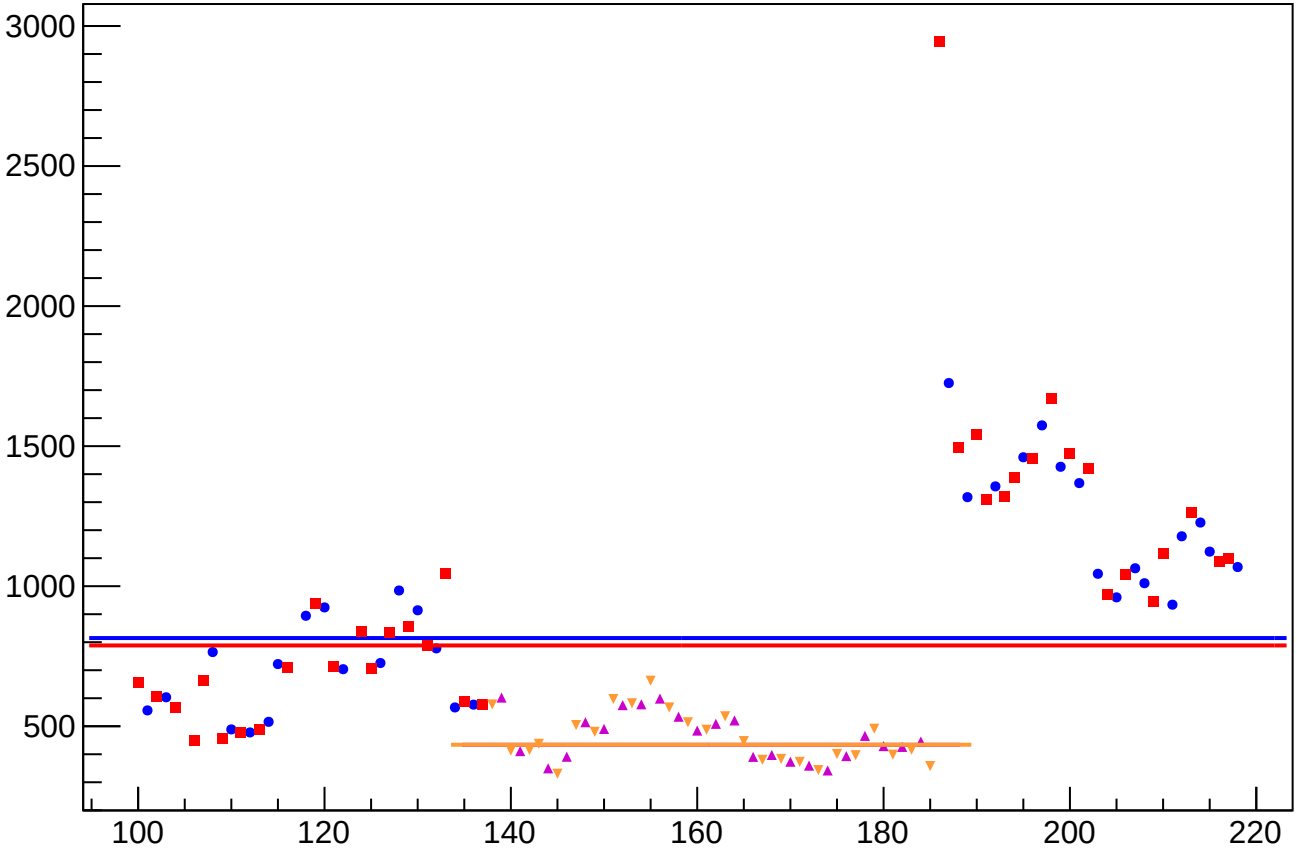
+ sign 53.298+/-0.006 χ^2/NDF: 3080821.9/56

All: 53.708+/-0.004 χ^2/NDF: 6718112.4/115

- sign 54.141+/-0.006 χ^2/NDF: 3628140.4/58


asym_sam_15_48_dd_reg_correction_mean vs Slug
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
−12000
100
120
140
160
180
200
220
Right In: 680.109+/-193.666 χ²/NDF: 49.7/31
Left Out: 480.215+/-100.526 χ²/NDF:69.2/24
Right Out: 848.800+/-189.096 χ²/NDF: 46.0/35
Left In: 75.662+/-103.128 χ²/NDF:24.5/22
+ sign 522.642+/-89.222 χ²/NDF: 119.7/56
All: 389.748+/-63.550 χ²/NDF: 207.5/115
- sign 252.902+/-90.539 χ²/NDF: 83.3/58

asym_sam_15_48_dd_reg_correction_rms vs Slug



Right In: 814.828+/-0.137 χ^2/NDF: 4673587.5/31

Left Out: 433.945+/-0.071 χ^2/NDF:1243704.6/24

Right Out: 788.466+/-0.134 χ^2/NDF: 6353544.4/35

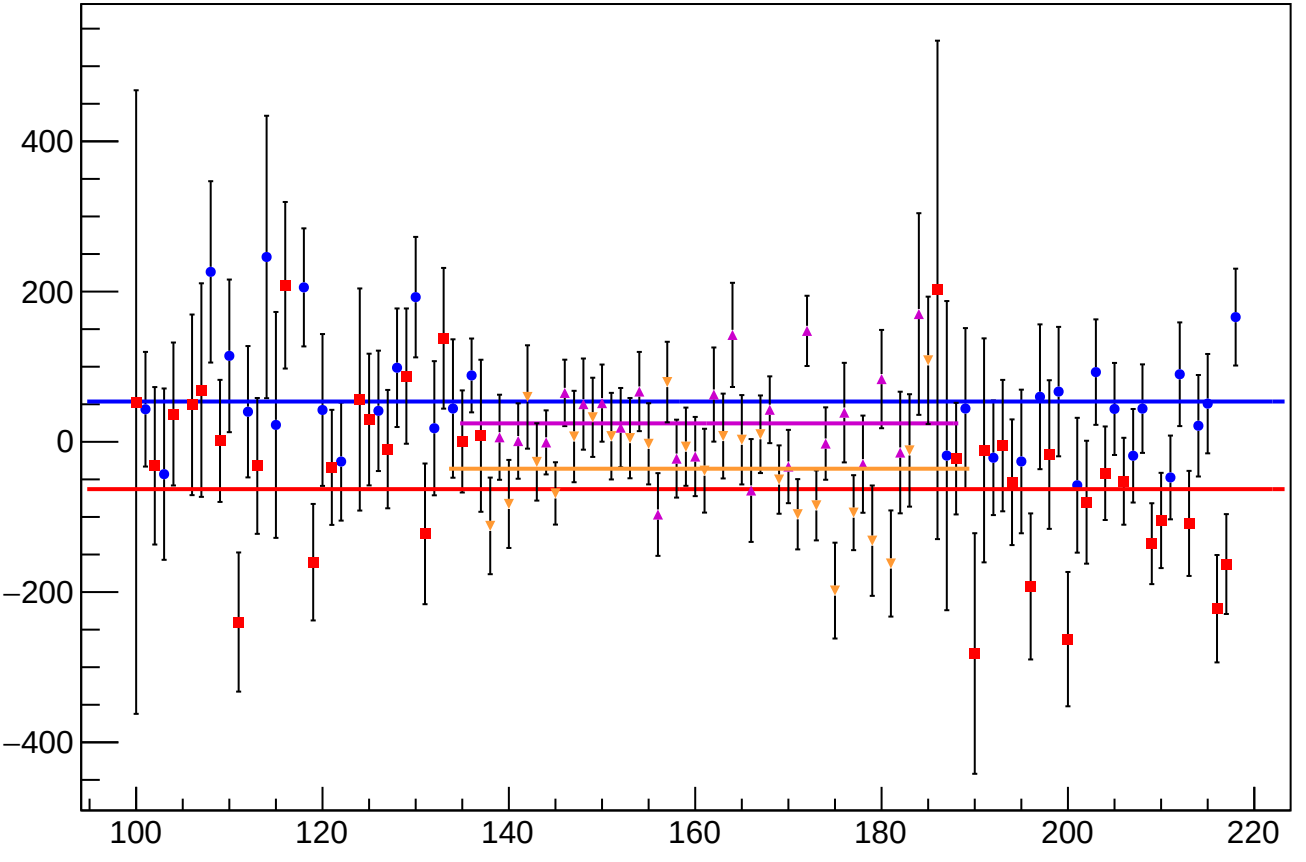
Left In: 433.722+/-0.073 χ^2/NDF:1094788.8/22

+ sign 514.786+/-0.063 χ^2/NDF: 12011217.2/56

All: 514.914+/-0.045 χ^2/NDF: 24884687.8/11

- sign 515.046+/-0.064 χ^2/NDF: 12873462.2/58

cor_asym_sam_15_48_dd_mean vs Slug



Right In: 53.661+/-13.918 χ^2/NDF: 25.0/31

Left Out: -35.792+/-11.119 χ^2/NDF:33.7/24

Right Out: -62.968+/-14.221 χ^2/NDF: 46.9/35

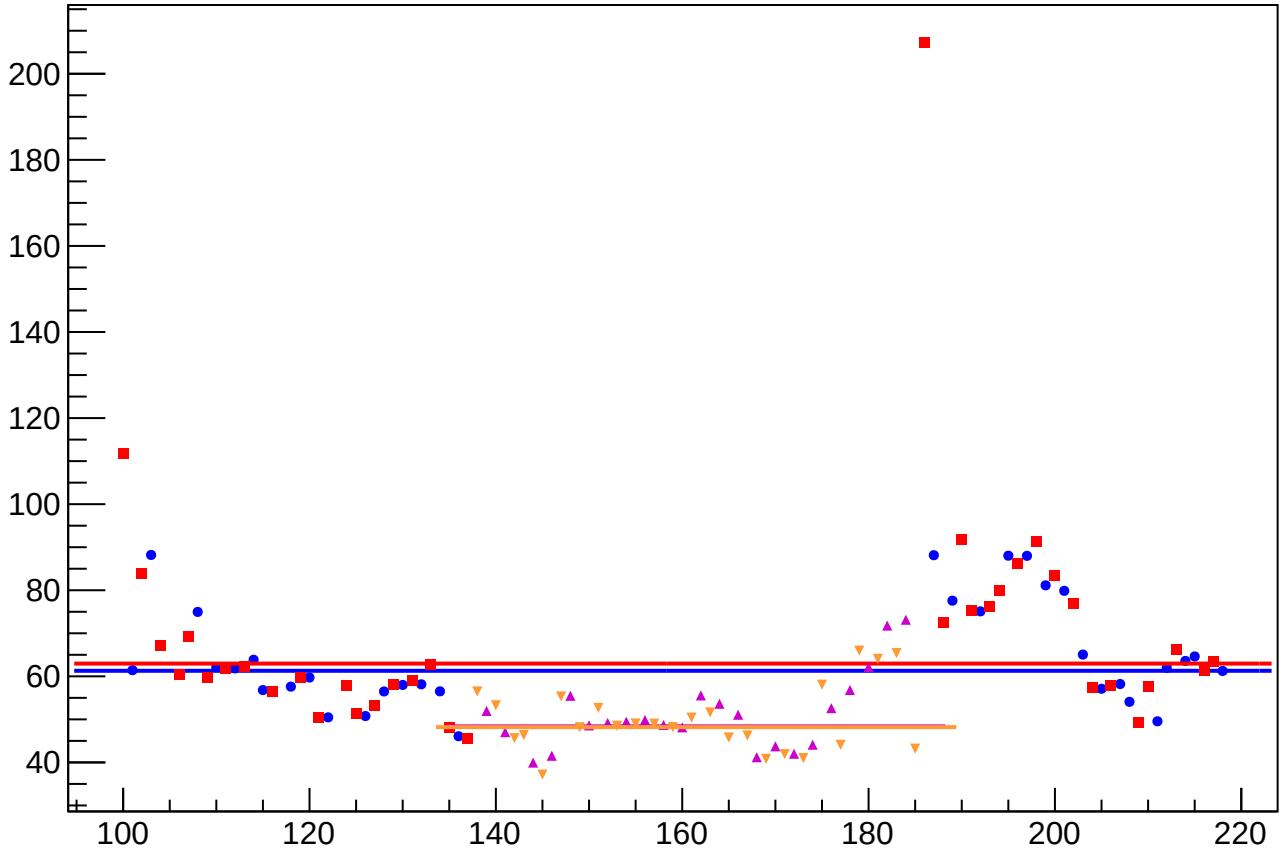
Left In: 24.573+/-11.471 χ^2/NDF:25.7/22

+ sign -0.941+/-8.687 χ^2/NDF: 83.9/56

All: -5.315+/-6.226 χ^2/NDF: 180.0/115

- sign -9.935+/-8.928 χ^2/NDF: 95.6/58

cor_asym_sam_15_48_dd_rms vs Slug



Right In: 61.288+/-0.010 χ^2/NDF: 1220800.5/31

Left Out: 48.198+/-0.008 χ^2/NDF:780285.2/24

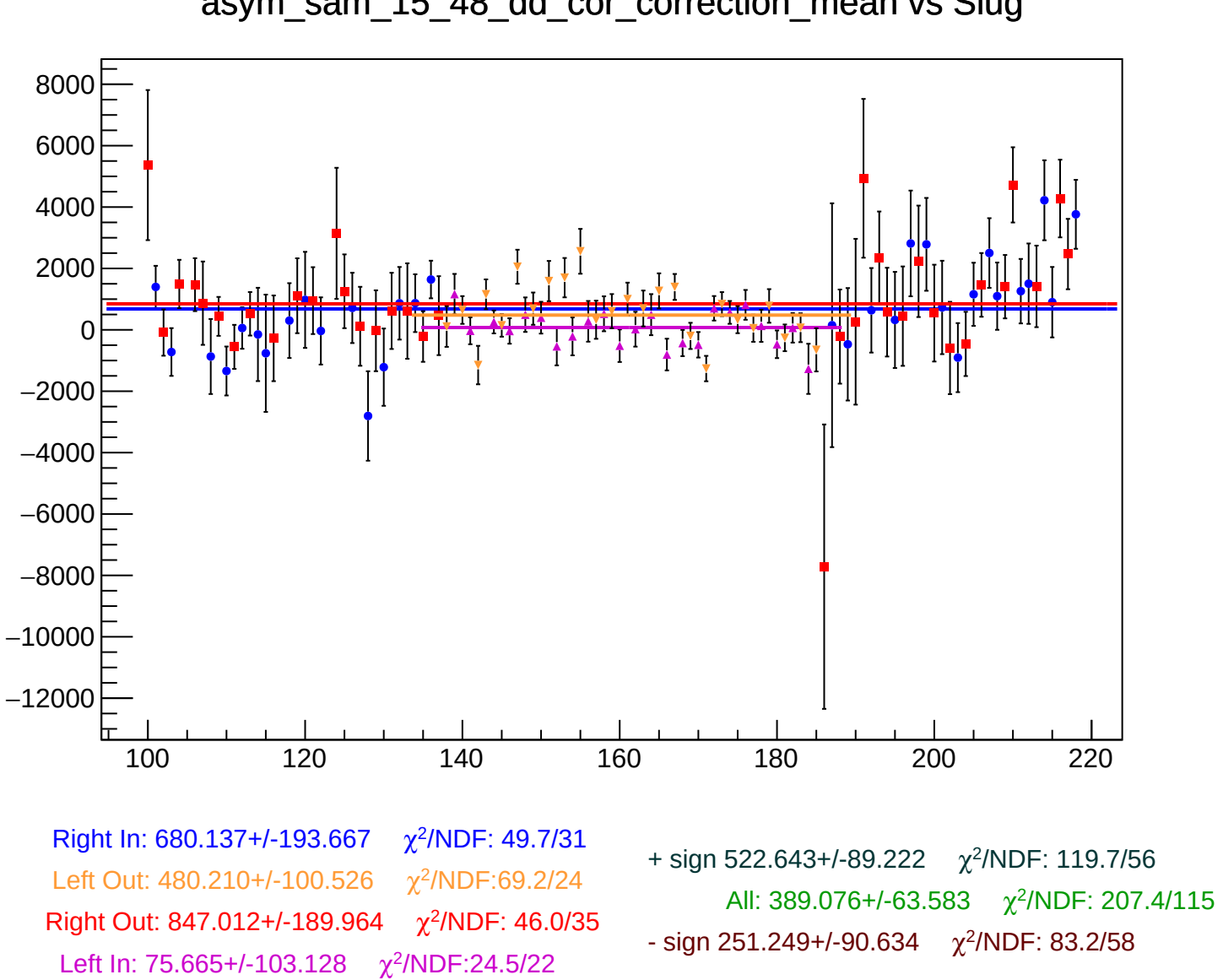
Right Out: 62.960+/-0.010 χ^2/NDF: 1655011.4/35

Left In: 48.381+/-0.008 χ^2/NDF:695381.8/22

+ sign 53.298+/-0.006 χ^2/NDF: 3080825.8/56

All: 53.701+/-0.004 χ^2/NDF: 6713601.2/115

- sign 54.128+/-0.006 χ^2/NDF: 3623904.7/58


asym_sam_15_48_dd_cor_correction_mean vs Slug
8000
6000
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−2000
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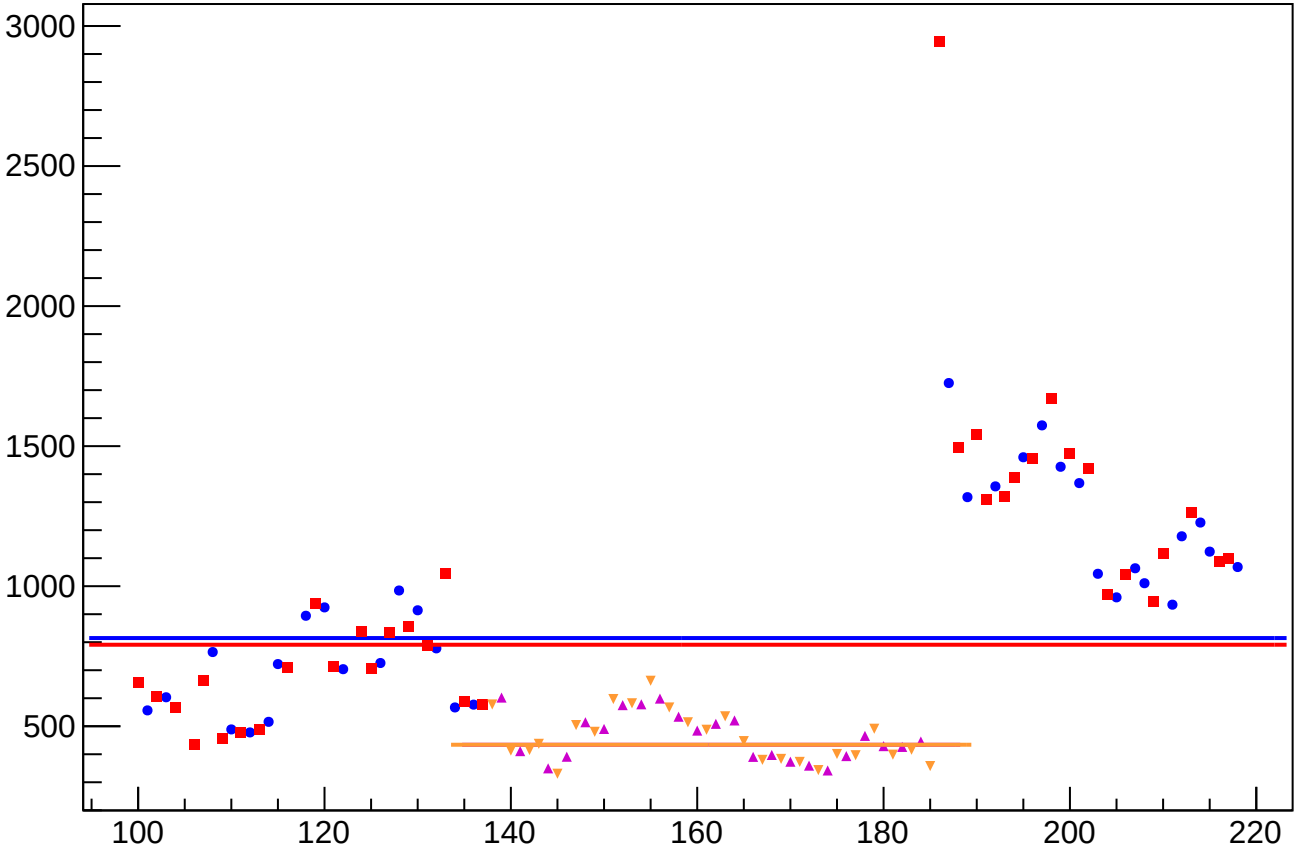
−6000
−8000
−10000
−12000
100
120
140
160
180
200
220
Right In: 680.137+/-193.667 χ²/NDF: 49.7/31
Left Out: 480.210+/-100.526 χ²/NDF:69.2/24
Right Out: 847.012+/-189.964 χ²/NDF: 46.0/35
Left In: 75.665+/-103.128 χ²/NDF:24.5/22
+ sign 522.643+/-89.222 χ²/NDF: 119.7/56
All: 389.076+/-63.583 χ²/NDF: 207.4/115
- sign 251.249+/-90.634 χ²/NDF: 83.2/58

asym_sam_15_48_dd_cor_correction_rms vs Slug



Right In: 814.833+/-0.137 χ^2/NDF: 4673501.7/31

Left Out: 433.945+/-0.071 χ^2/NDF:1243702.1/24

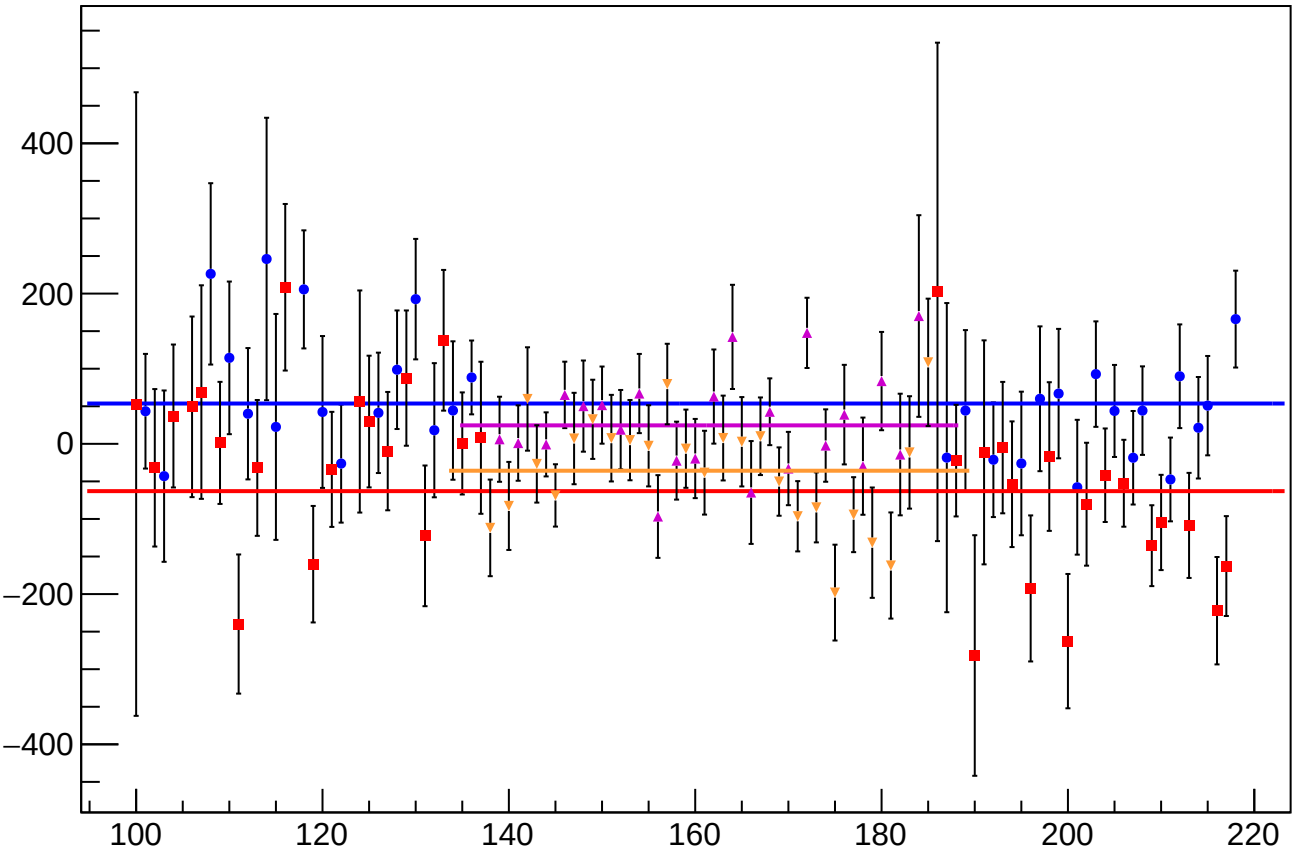
Right Out: 790.973+/-0.134 χ^2/NDF: 6318473.8/35

Left In: 433.722+/-0.073 χ^2/NDF:1094788.4/22

+ sign 514.786+/-0.063 χ^2/NDF: 12011238.2/56

All: 514.913+/-0.045 χ^2/NDF: 24887817.3/11

- sign 515.044+/-0.064 χ^2/NDF: 12876570.9/58



Right In: 53.661+/-13.918 χ^2/NDF: 25.0/31

Left Out: -35.792+/-11.119 χ^2/NDF:33.7/24

Right Out: -62.968+/-14.221 χ^2/NDF: 46.9/35

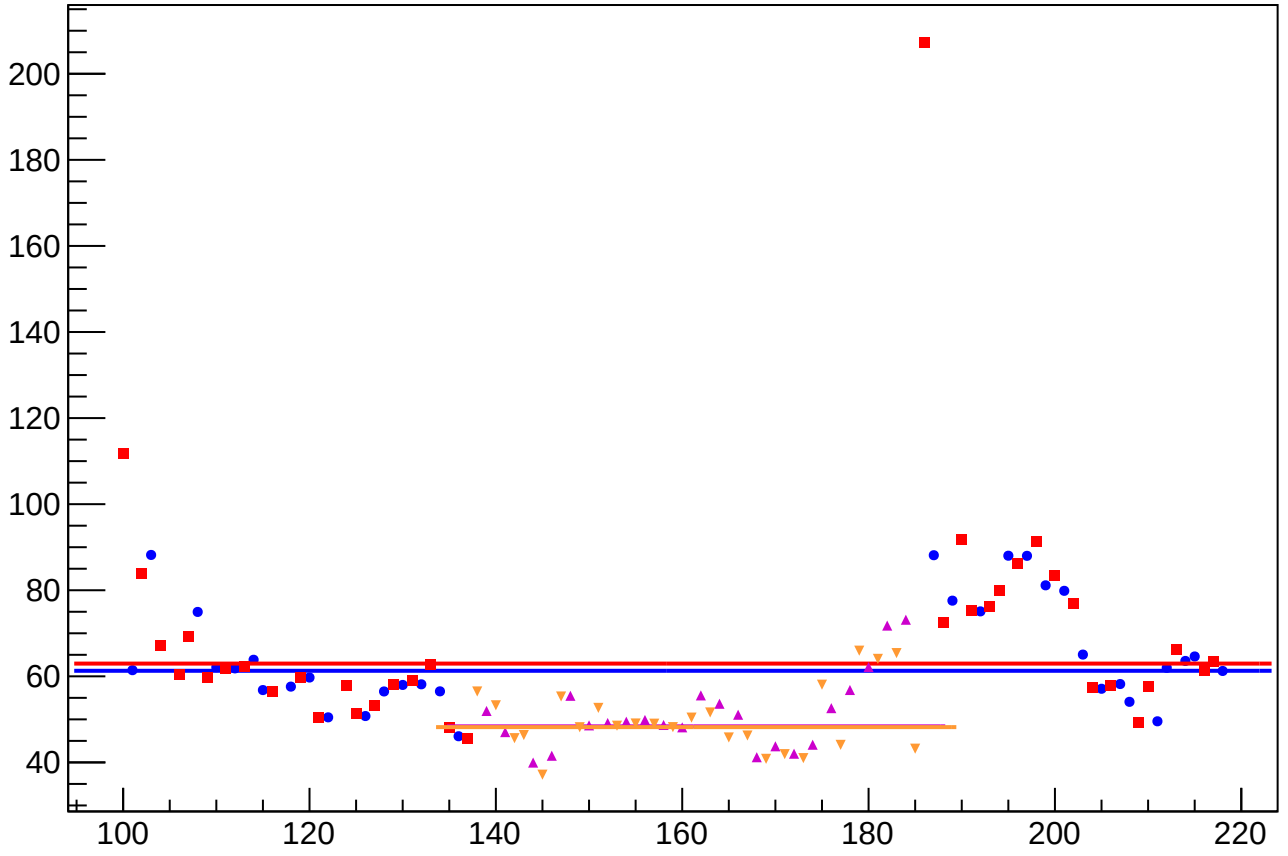
Left In: 24.573+/-11.471 χ^2/NDF:25.7/22

+ sign -0.941+/-8.687 χ^2/NDF: 83.9/56

All: -5.315+/-6.226 χ^2/NDF: 180.0/115

- sign -9.935+/-8.928 χ^2/NDF: 95.6/58

eigen_cor_asym_sam_15_48_dd_rms vs Slug



Right In: 61.288+/-0.010 χ^2/NDF: 1220800.5/31

Left Out: 48.198+/-0.008 χ^2/NDF:780285.2/24

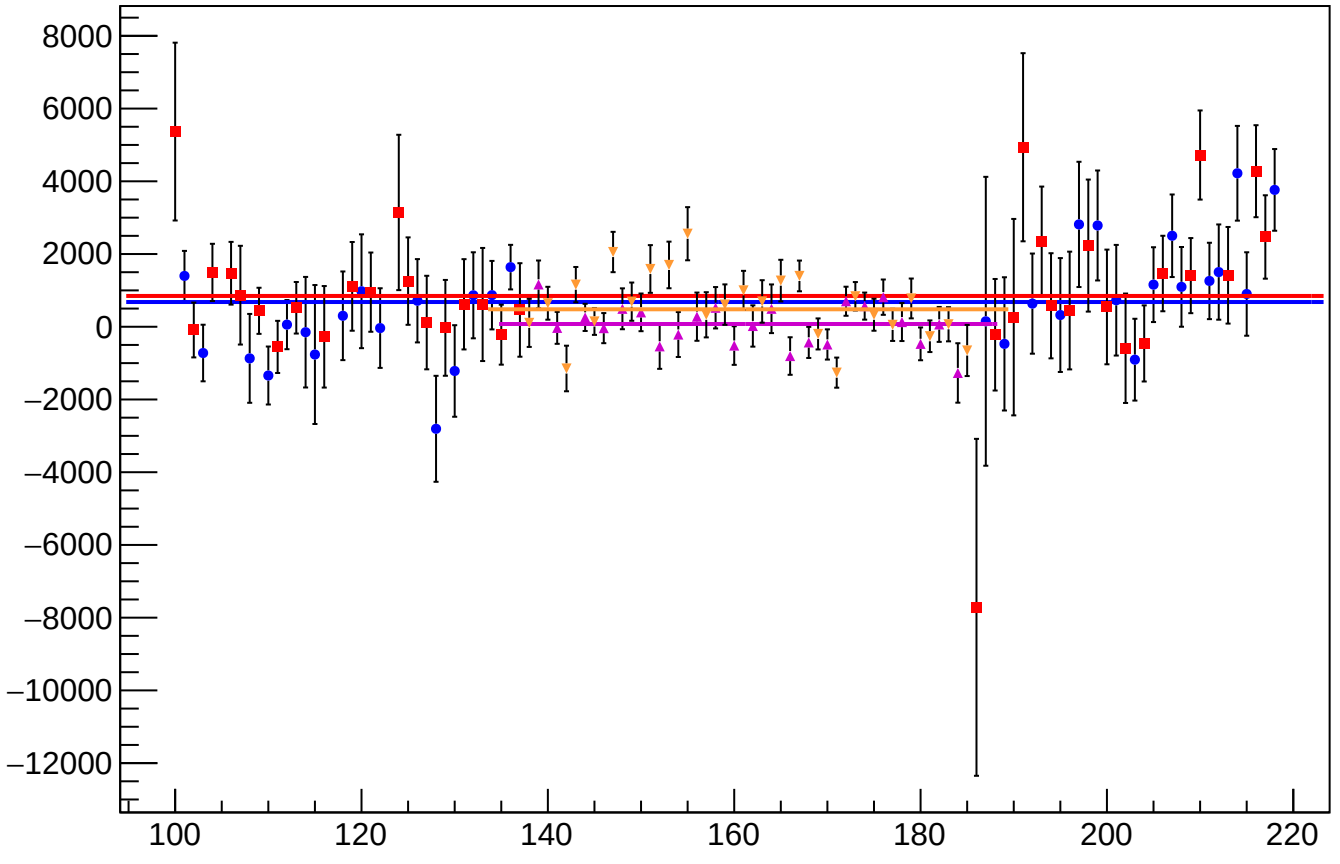
Right Out: 62.960+/-0.010 χ^2/NDF: 1655011.4/35

Left In: 48.381+/-0.008 χ^2/NDF:695381.8/22

+ sign 53.298+/-0.006 χ^2/NDF: 3080825.8/56

All: 53.701+/-0.004 χ^2/NDF: 6713601.2/115

- sign 54.128+/-0.006 χ^2/NDF: 3623904.7/58



Right In: 680.137+/-193.667 χ^2/NDF: 49.7/31

Left Out: 480.210+/-100.526 χ^2/NDF:69.2/24

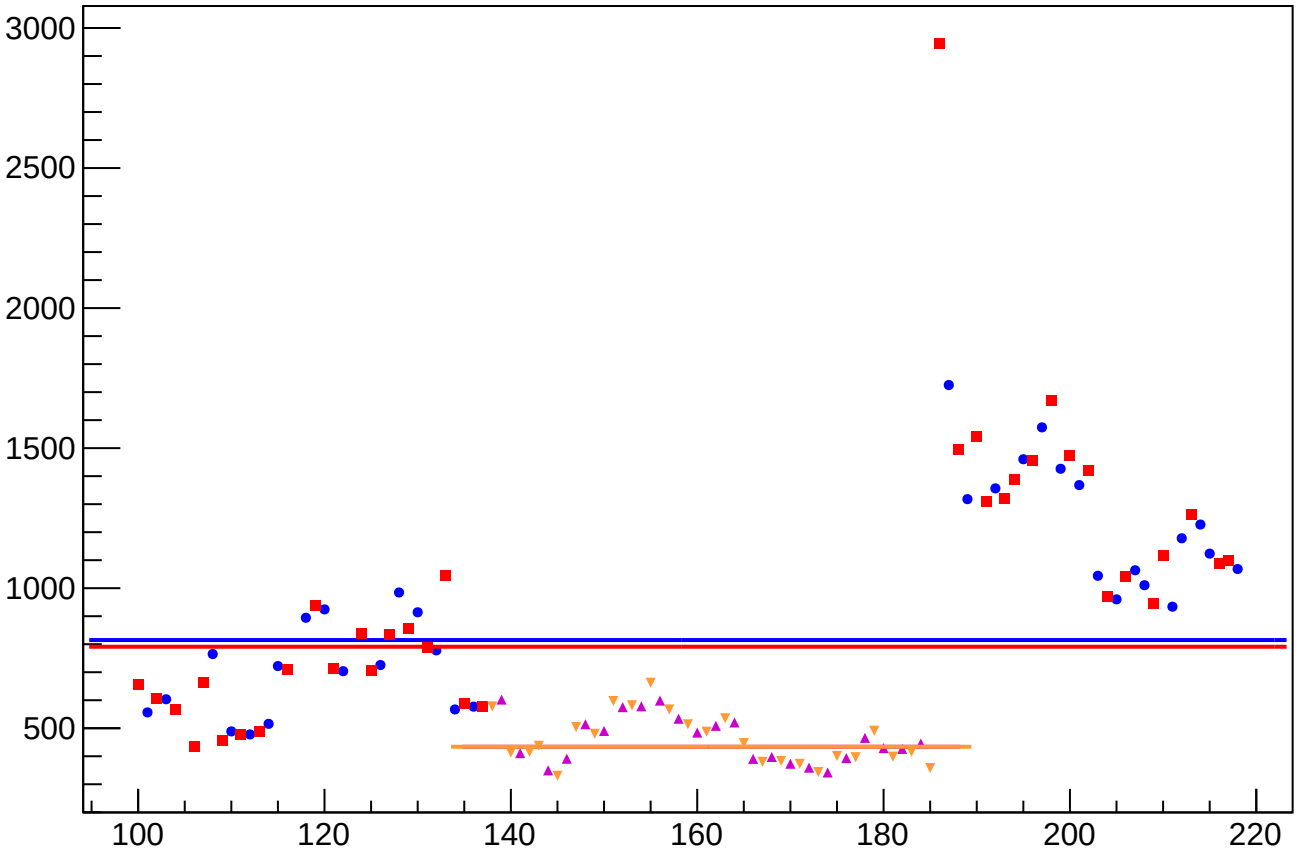
Right Out: 847.012+/-189.964 χ^2/NDF: 46.0/35

Left In: 75.665+/-103.128 χ^2/NDF:24.5/22

+ sign 522.643+/-89.222 χ^2/NDF: 119.7/56

All: 389.076+/-63.583 χ^2/NDF: 207.4/115

- sign 251.249+/-90.634 χ^2/NDF: 83.2/58



Right In: 814.833+/-0.137 χ^2/NDF: 4673501.7/31

Left Out: 433.945+/-0.071 χ^2/NDF:1243702.1/24

Right Out: 790.973+/-0.134 χ^2/NDF: 6318473.8/35

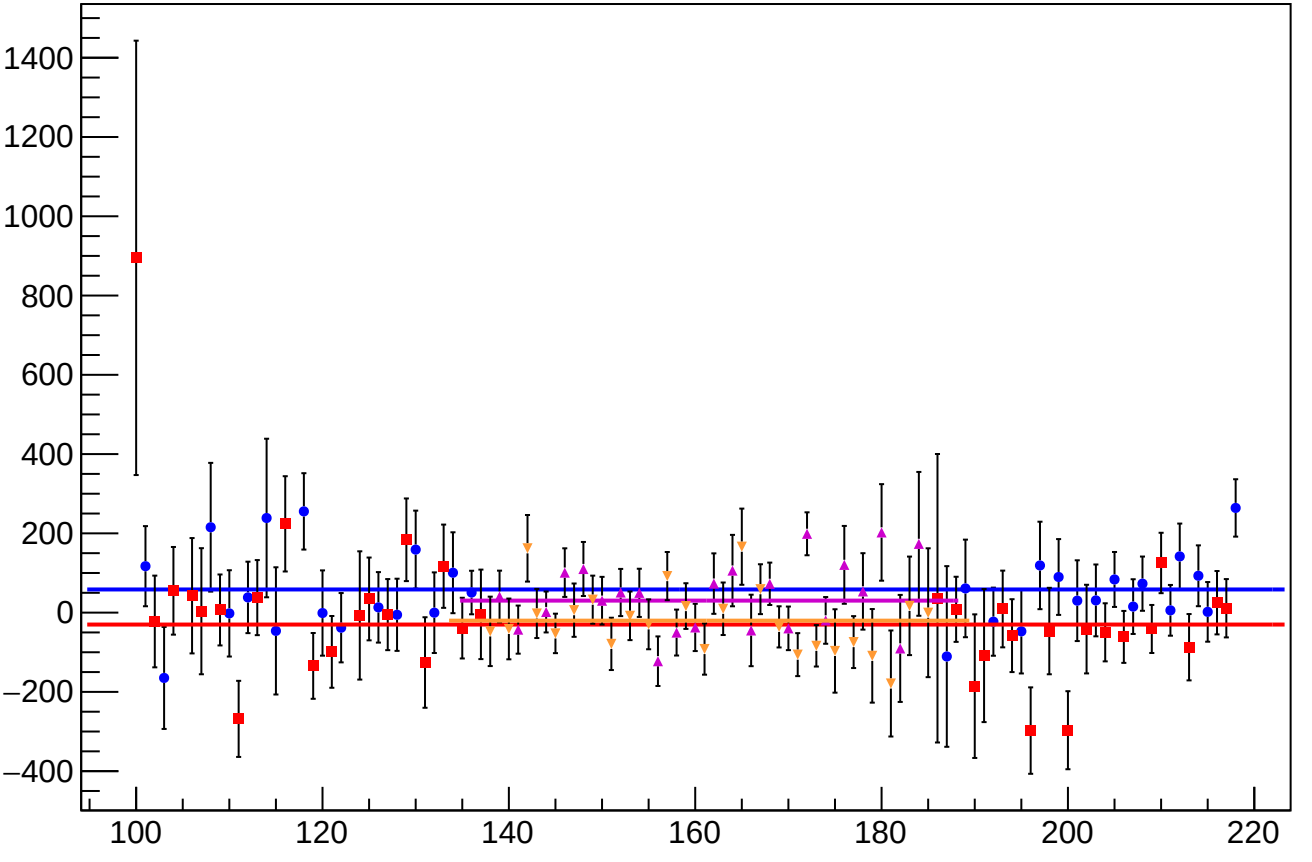
Left In: 433.722+/-0.073 χ^2/NDF:1094788.4/22

+ sign 514.786+/-0.063 χ^2/NDF: 12011238.2/56

All: 514.913+/-0.045 χ^2/NDF: 24887817.3/11

- sign 515.044+/-0.064 χ^2/NDF: 12876570.9/58

dit_asym_sam_15_48_dd_mean vs Slug



Right In: 58.431+/-15.923 χ^2/NDF: 28.0/31

Left Out: -20.270+/-13.636 χ^2/NDF:25.1/24

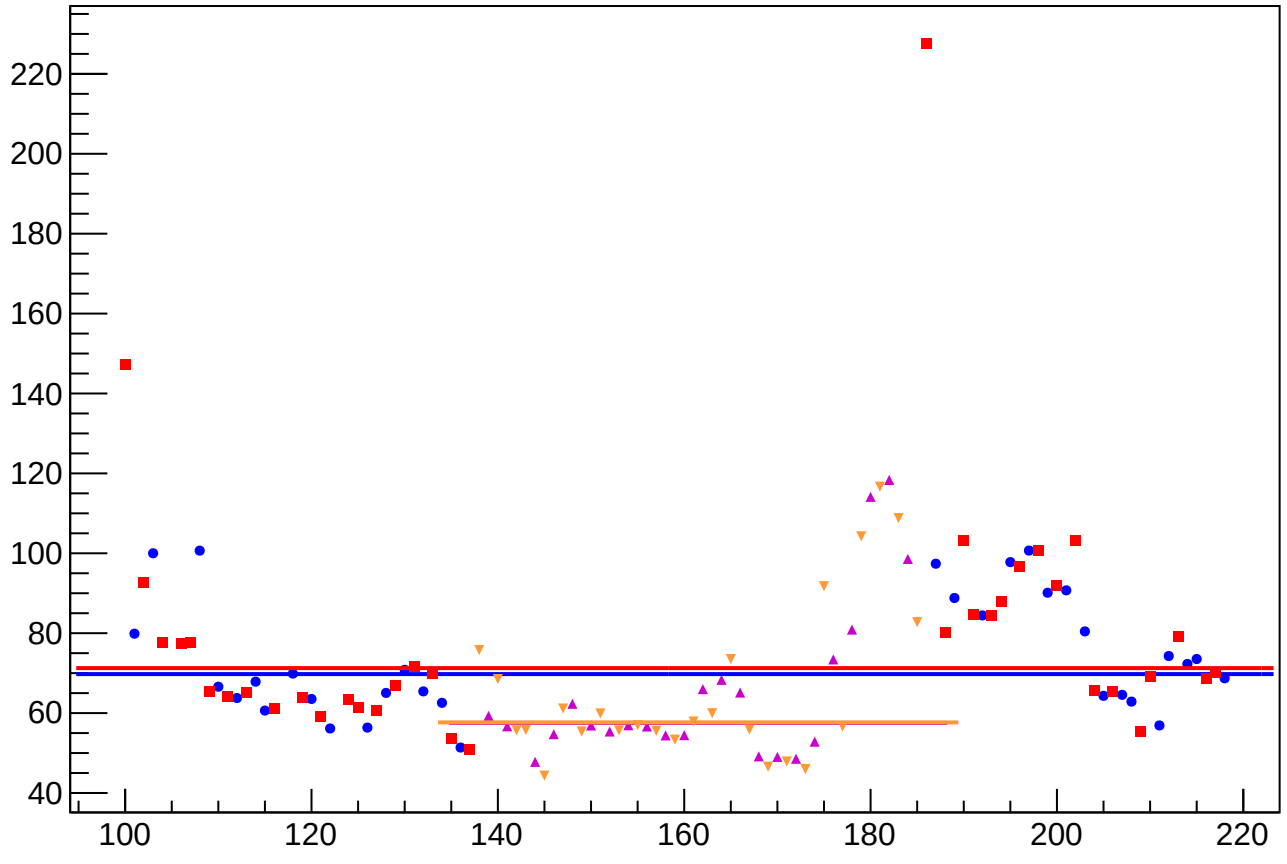
Right Out: -30.104+/-16.146 χ^2/NDF: 45.2/35

Left In: 30.318+/-13.979 χ^2/NDF:32.6/22

+ sign 13.028+/-10.357 χ^2/NDF: 67.2/56

All: 8.816+/-7.397 χ^2/NDF: 153.4/115

- sign 4.432+/-10.568 χ^2/NDF: 85.8/58



Right In: 69.760+/-0.011 χ^2/NDF: 1336691.1/31

Left Out: 57.668+/-0.010 χ^2/NDF:1909743.5/24

Right Out: 71.259+/-0.011 χ^2/NDF: 1700534.6/35

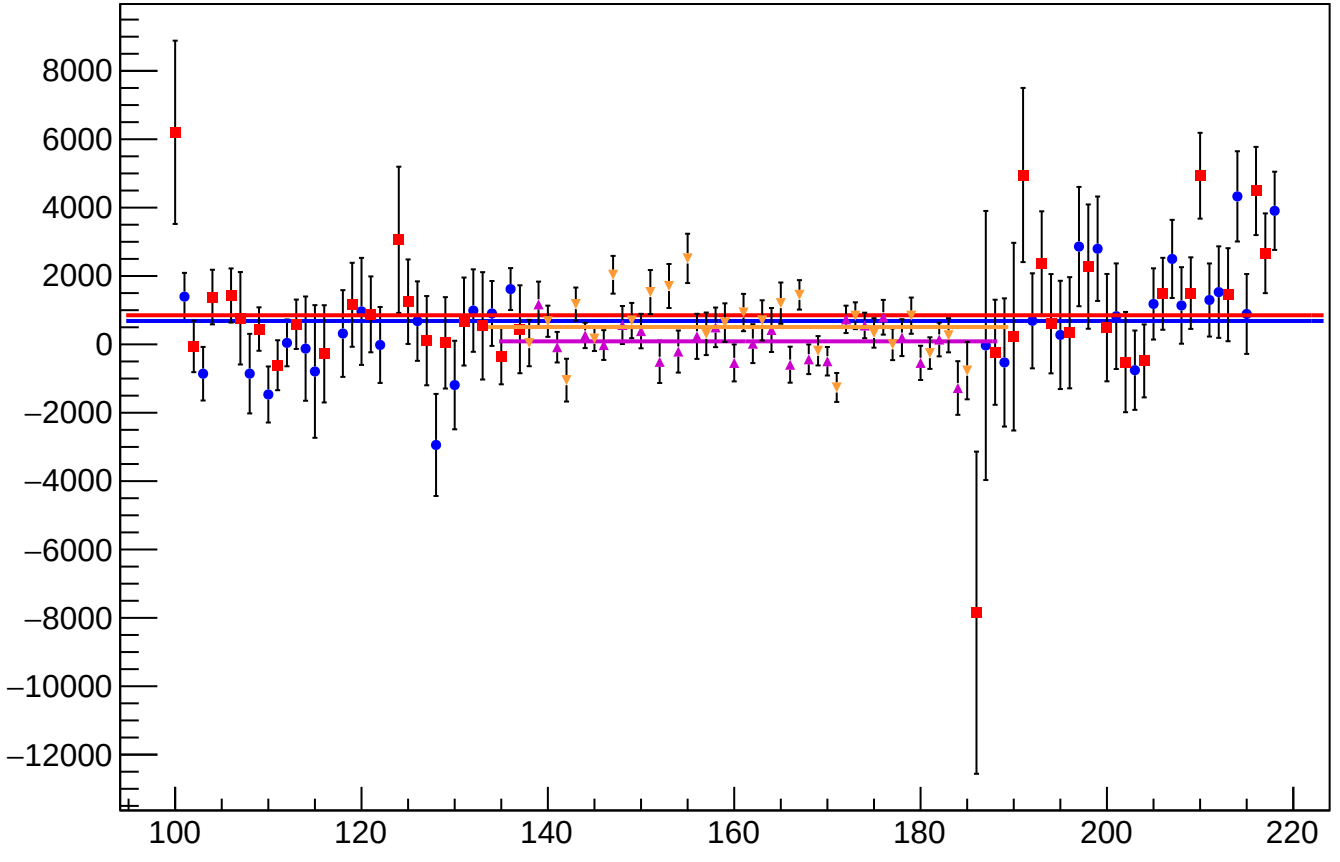
Left In: 57.539+/-0.010 χ^2/NDF:1443279.4/22

+ sign 62.784+/-0.007 χ^2/NDF: 3911795.1/56

All: 63.094+/-0.005 χ^2/NDF: 7884581.4/115

- sign 63.417+/-0.007 χ^2/NDF: 3969127.7/58

asym_sam_15_48_dd_dit_correction_mean vs Slug



Right In: 684.435+/-196.119 χ^2/NDF: 51.0/31

Left Out: 507.171+/-101.776 χ^2/NDF:65.8/24

Right Out: 851.395+/-191.117 χ^2/NDF: 48.4/35

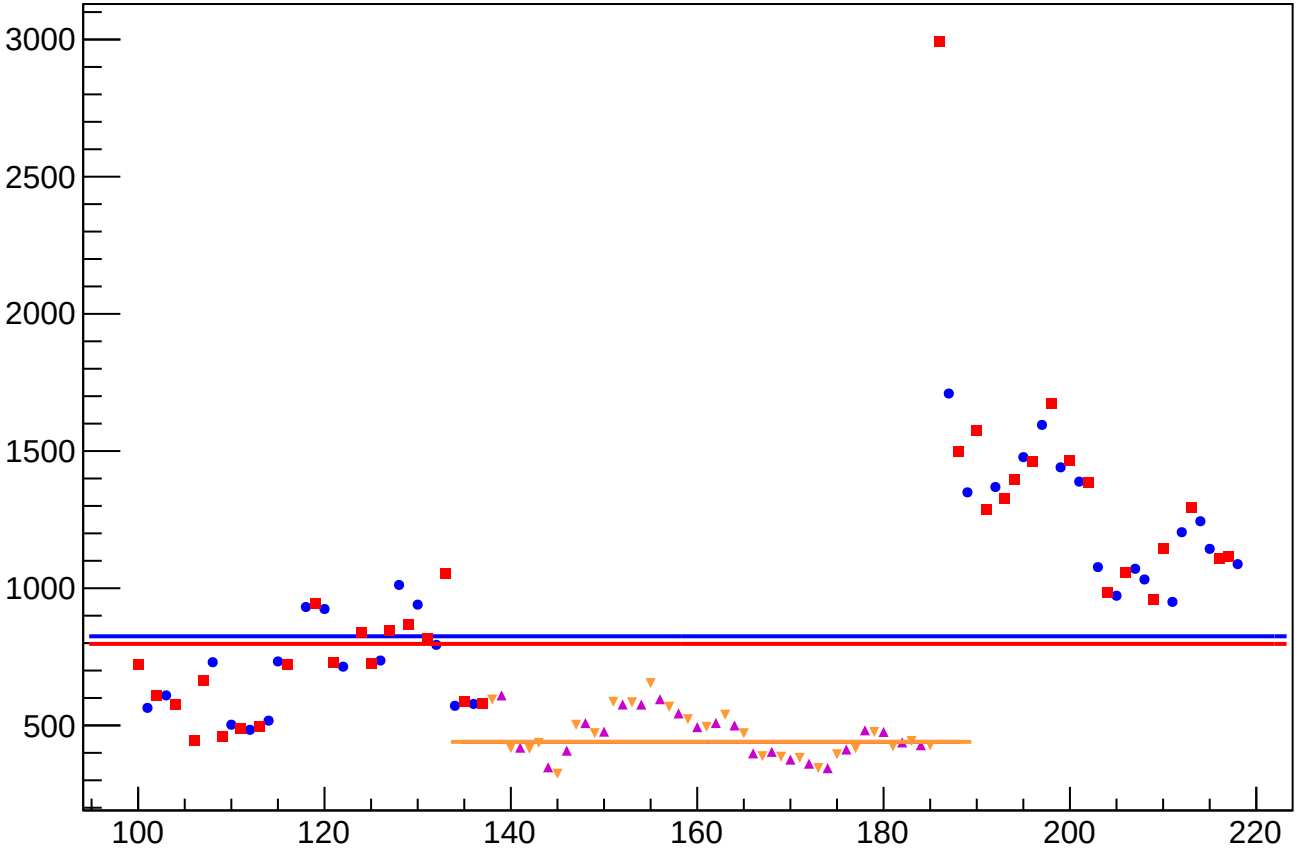
Left In: 88.471+/-104.542 χ^2/NDF:23.3/22

+ sign 544.781+/-90.336 χ^2/NDF: 117.5/56

All: 406.605+/-64.360 χ^2/NDF: 206.2/115

- sign 264.175+/-91.717 χ^2/NDF: 84.0/58

asym_sam_15_48_dd_dit_correction_rms vs Slug



Right In: 824.889+/-0.139 χ^2/NDF: 4729776.5/31

Left Out: 440.075+/-0.072 χ^2/NDF:1196985.5/24

Right Out: 797.163+/-0.135 χ^2/NDF: 6339325.1/35

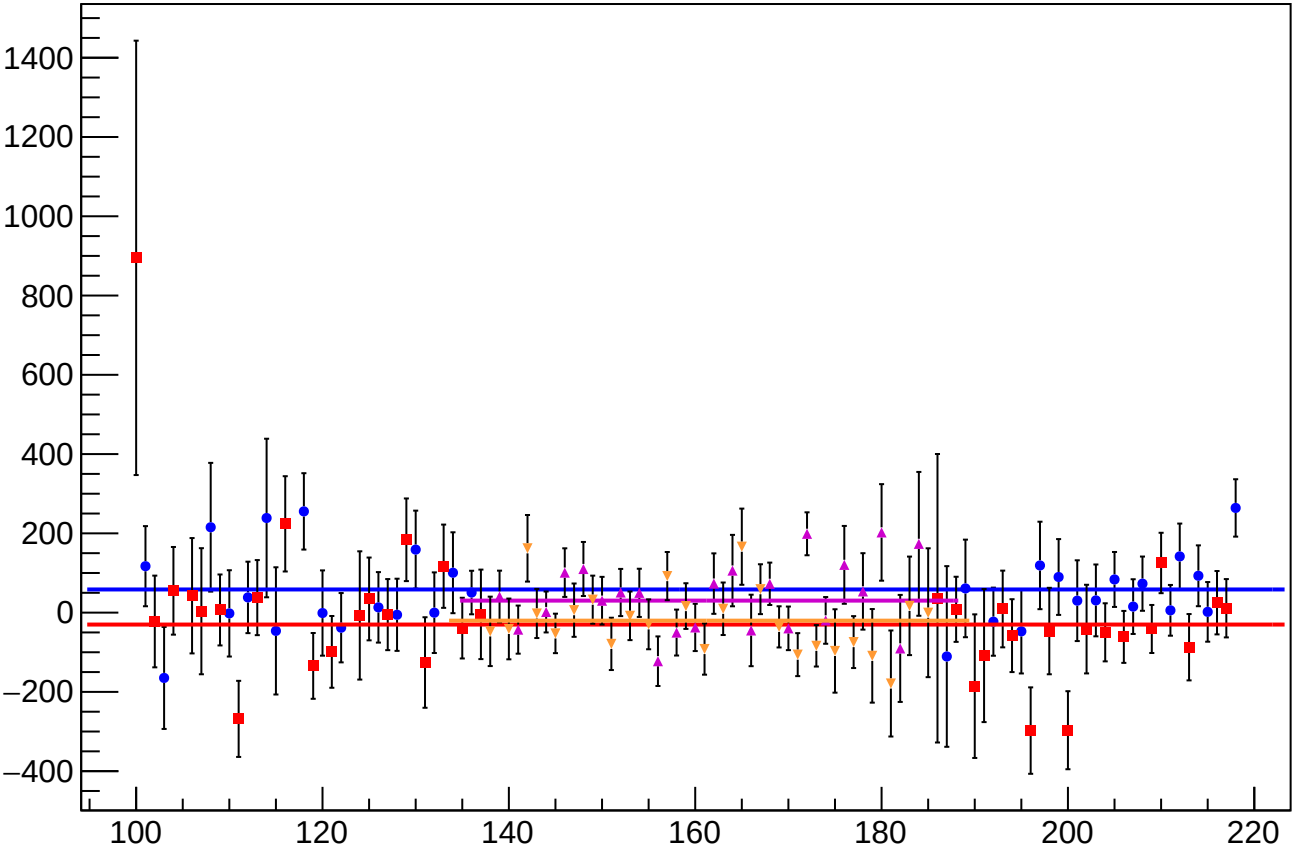
Left In: 439.877+/-0.074 χ^2/NDF:1061910.1/22

+ sign 521.721+/-0.064 χ^2/NDF: 11993023.5/56

All: 521.938+/-0.046 χ^2/NDF: 24774272.5/11

- sign 522.161+/-0.065 χ^2/NDF: 12781225.7/58

eigen_dit_asym_sam_15_48_dd_mean vs Slug



Right In: 58.429+/-15.923 χ^2/NDF: 28.0/31

Left Out: -20.271+/-13.636 χ^2/NDF:25.1/24

Right Out: -30.105+/-16.146 χ^2/NDF: 45.2/35

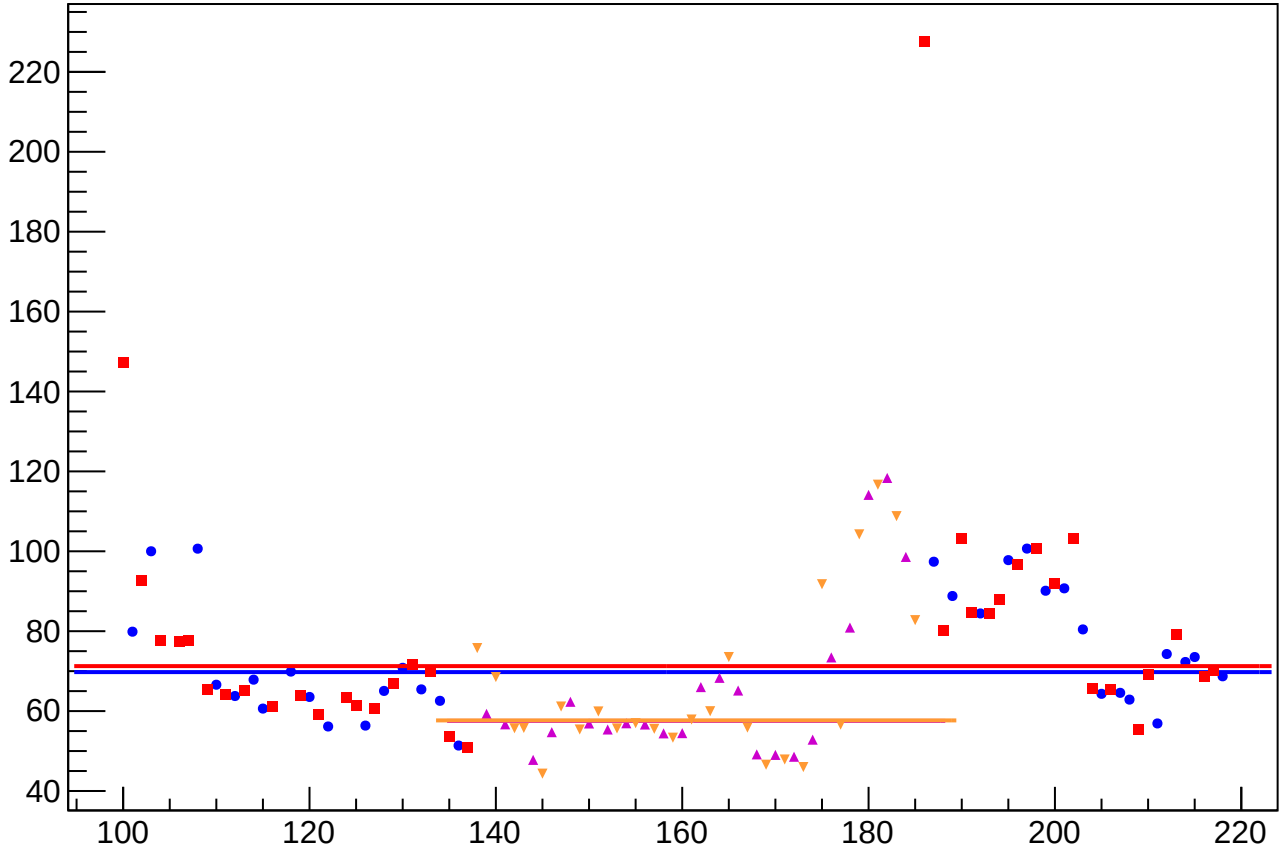
Left In: 30.318+/-13.979 χ^2/NDF:32.6/22

+ sign 13.026+/-10.357 χ^2/NDF: 67.2/56

All: 8.815+/-7.397 χ^2/NDF: 153.4/115

- sign 4.431+/-10.568 χ^2/NDF: 85.8/58

eigen_dit_asym_sam_15_48_dd_rms vs Slug



Right In: 69.760+/-0.011 χ^2/NDF: 1336664.1/31

Left Out: 57.668+/-0.010 χ^2/NDF:1909739.8/24

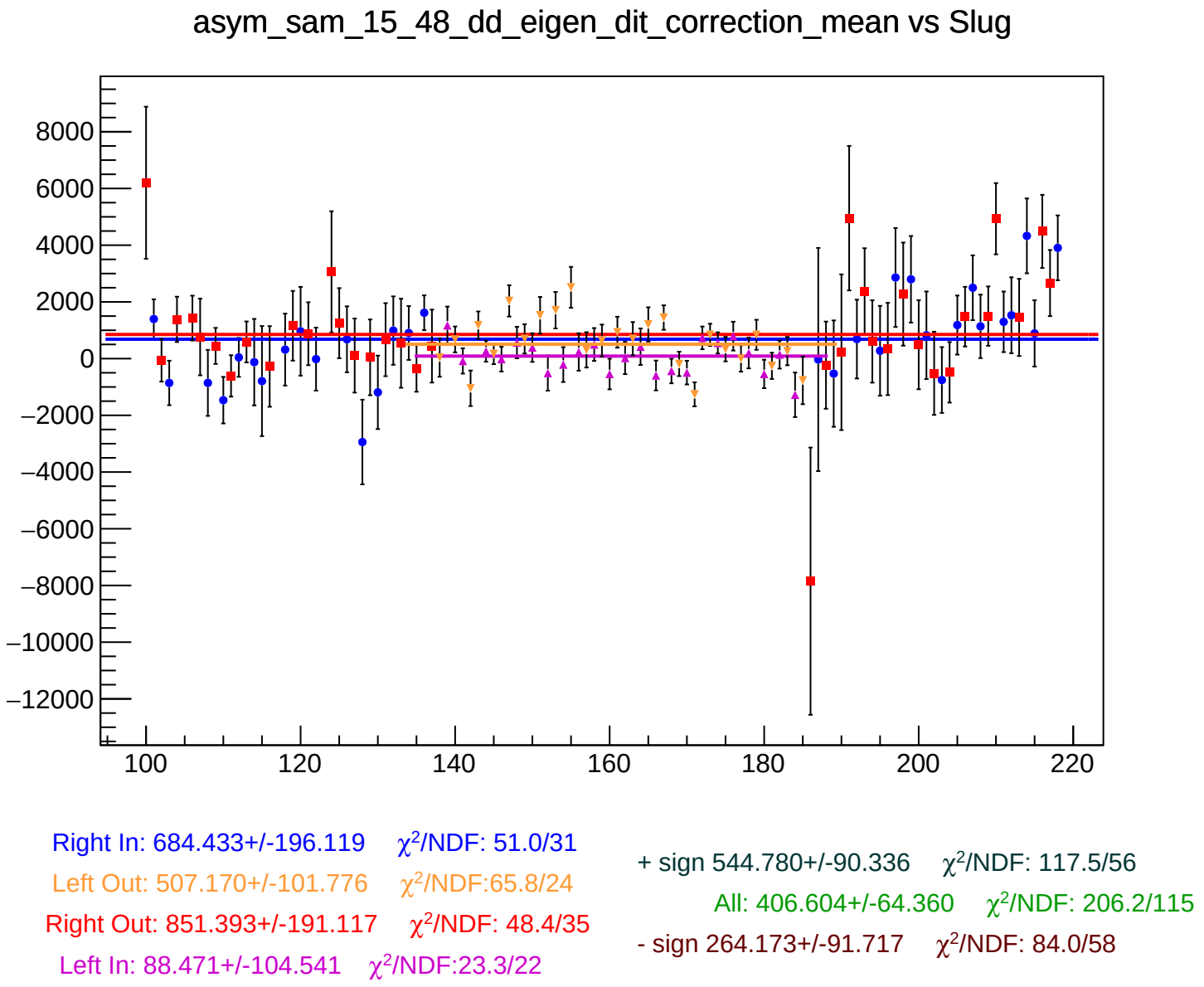
Right Out: 71.259+/-0.011 χ^2/NDF: 1700538.7/35

Left In: 57.539+/-0.010 χ^2/NDF:1443262.3/22

+ sign 62.784+/-0.007 χ^2/NDF: 3911746.2/56

All: 63.094+/-0.005 χ^2/NDF: 7884509.8/115

- sign 63.417+/-0.007 χ^2/NDF: 3969105.4/58


asym_sam_15_48_dd_eigen_dit_correction_mean vs Slug
8000
6000
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0
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−4000
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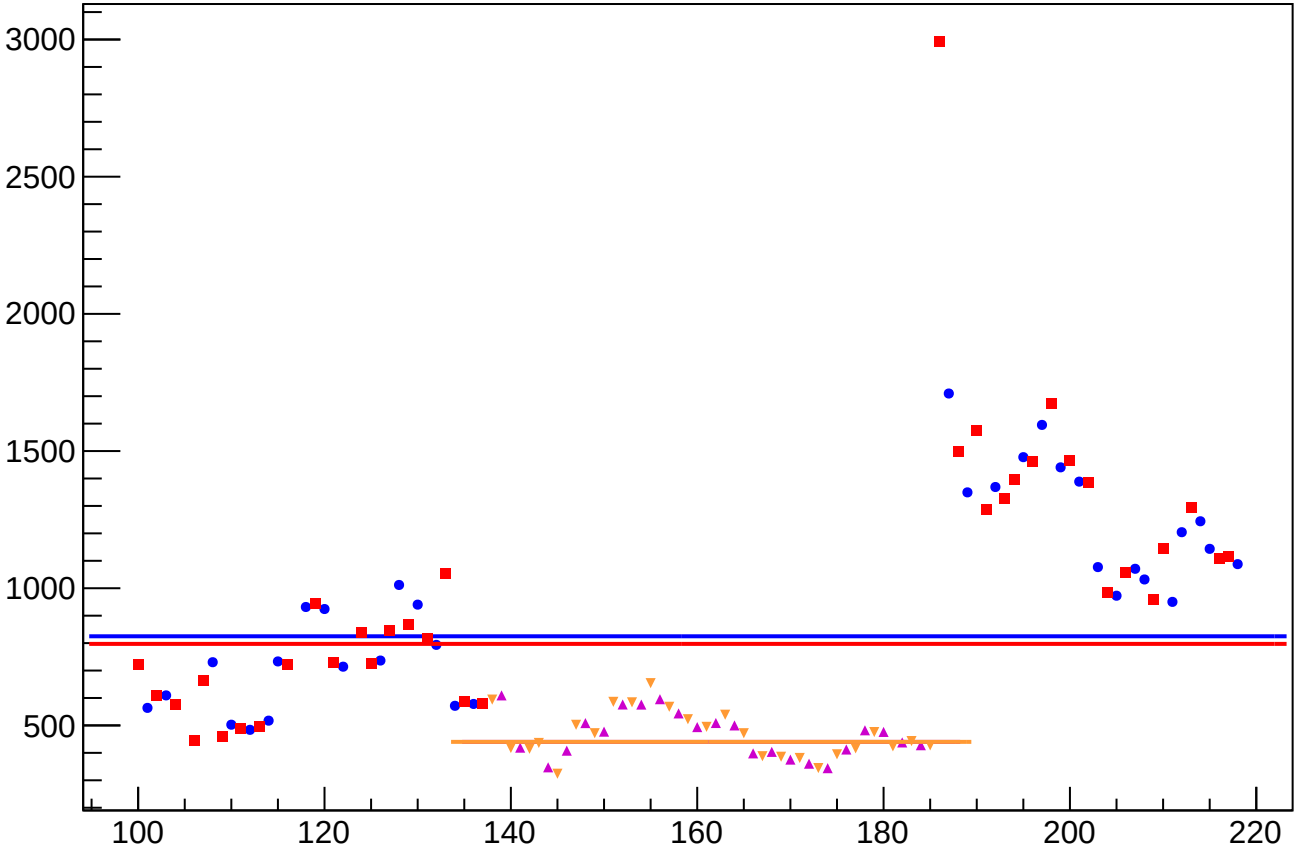
−10000
−12000
100
120
140
160
180
200
220
Right In: 684.433+/-196.119 χ²/NDF: 51.0/31
Left Out: 507.170+/-101.776 χ²/NDF:65.8/24
Right Out: 851.393+/-191.117 χ²/NDF: 48.4/35
Left In: 88.471+/-104.541 χ²/NDF:23.3/22
+ sign 544.780+/-90.336 χ²/NDF: 117.5/56
All: 406.604+/-64.360 χ²/NDF: 206.2/115
- sign 264.173+/-91.717 χ²/NDF: 84.0/58

asym_sam_15_48_dd_eigen_dit_correction_rms vs Slug



Right In: 824.888+/-0.139 χ^2/NDF: 4729782.1/31

Left Out: 440.074+/-0.072 χ^2/NDF:1196993.4/24

Right Out: 797.162+/-0.135 χ^2/NDF: 6339332.7/35

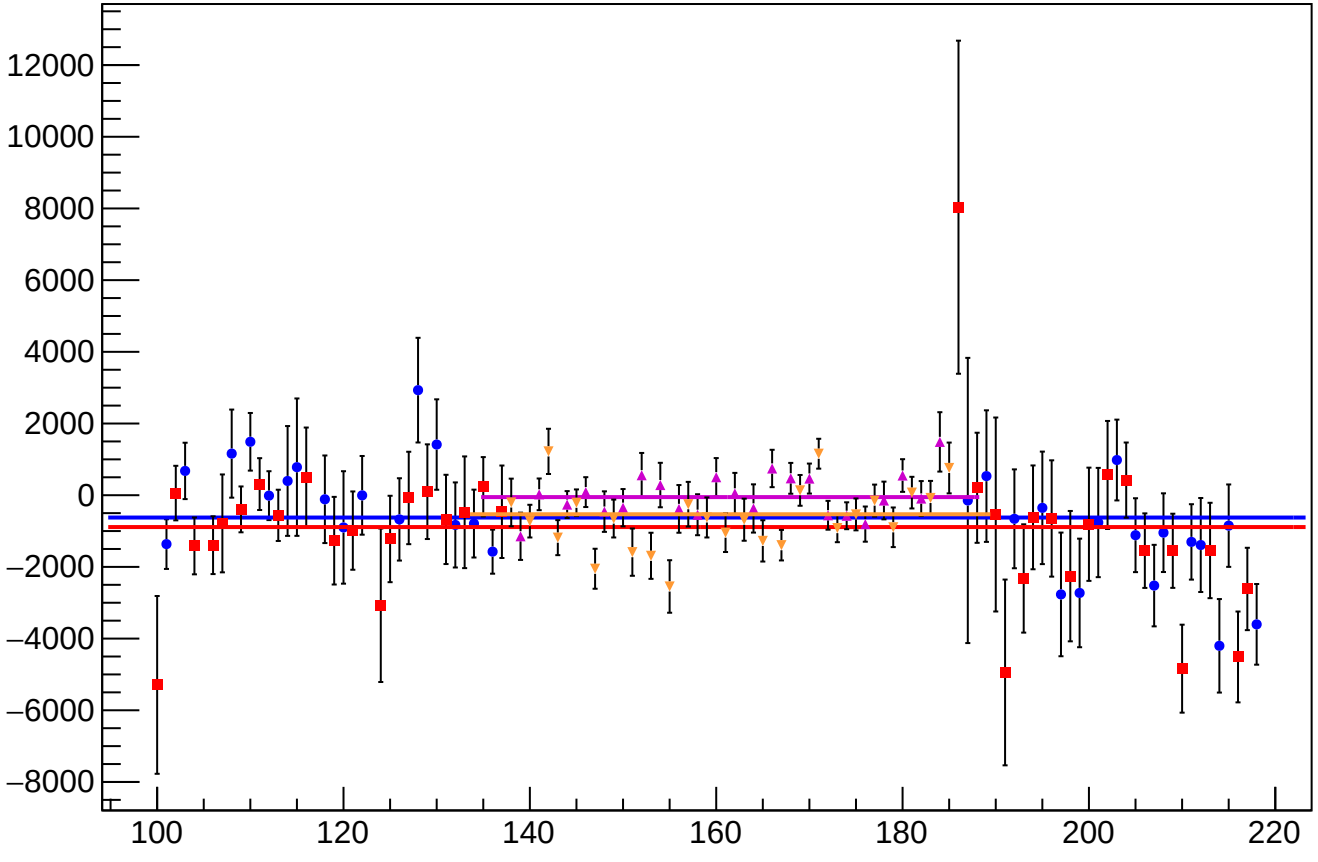
Left In: 439.876+/-0.074 χ^2/NDF:1061916.6/22

+ sign 521.720+/-0.064 χ^2/NDF: 11993059.5/56

All: 521.936+/-0.046 χ^2/NDF: 24774348.0/11

- sign 522.159+/-0.065 χ^2/NDF: 12781265.2/58

asym_sam_15_48_dd_mean vs Slug



Right In: -622.970+/-194.489 χ^2/NDF: 50.6/31

Left Out: -531.569+/-101.245 χ^2/NDF:65.6/24

Right Out: -888.624+/-190.138 χ^2/NDF: 46.8/35

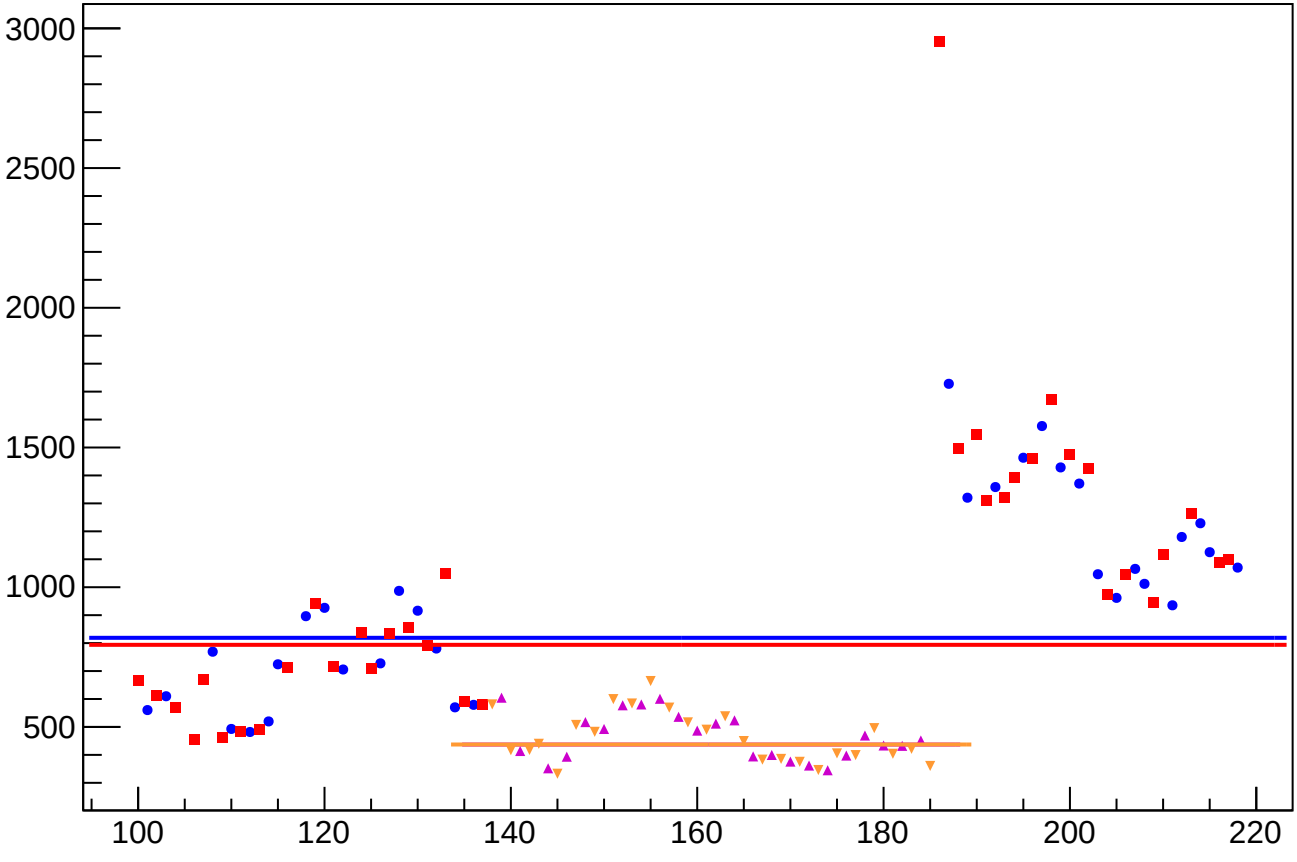
Left In: -52.554+/-103.870 χ^2/NDF:24.1/22

+ sign -551.057+/-89.806 χ^2/NDF: 116.4/56

All: -400.171+/-63.974 χ^2/NDF: 207.9/115

- sign -244.715+/-91.155 χ^2/NDF: 85.8/58

asym_sam_15_48_dd_rms vs Slug



Right In: 818.961+/-0.138 χ^2/NDF: 4617136.6/31

Left Out: 437.157+/-0.072 χ^2/NDF:1227453.3/24

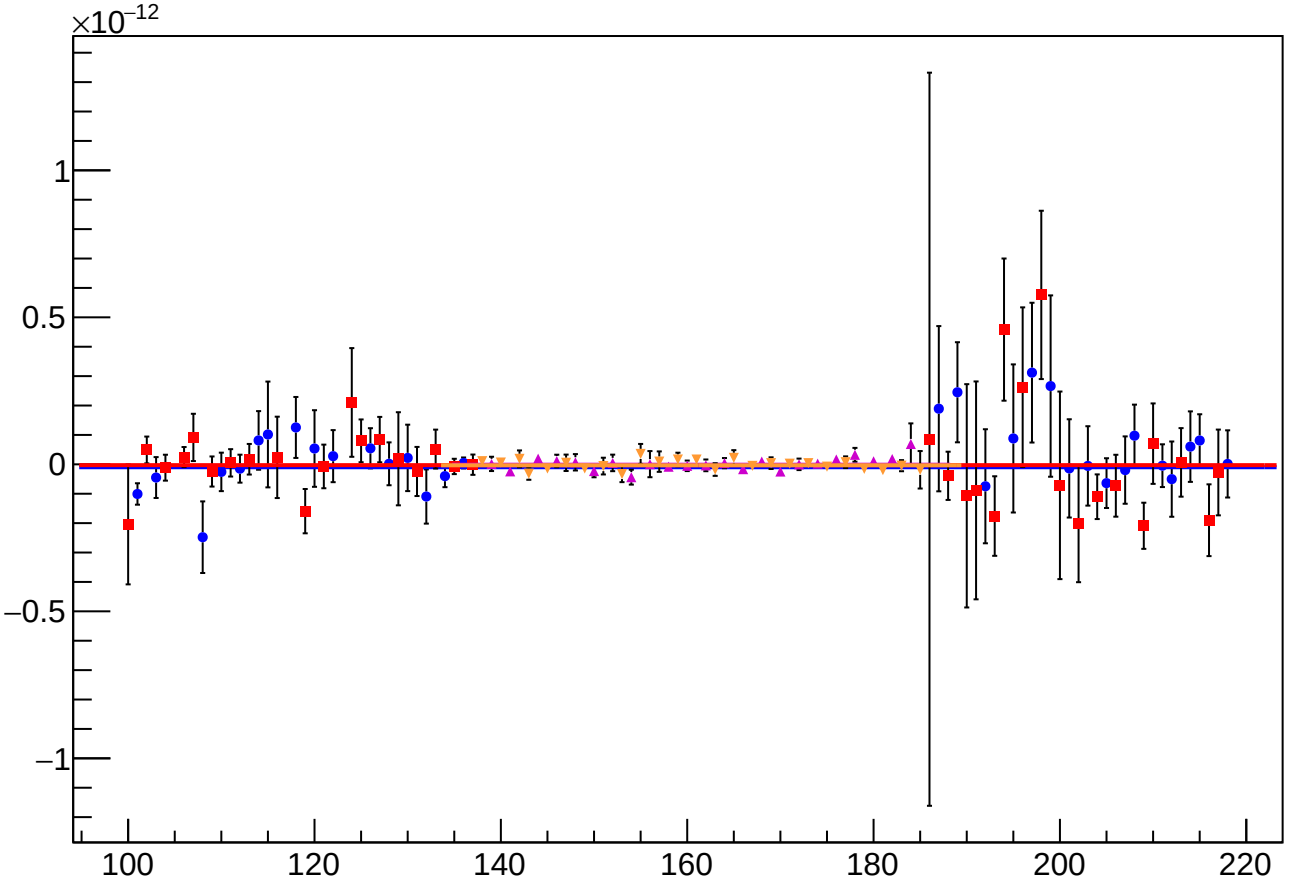
Right Out: 793.831+/-0.134 χ^2/NDF: 6263078.3/35

Left In: 436.937+/-0.073 χ^2/NDF:1080038.0/22

+ sign 518.562+/-0.064 χ^2/NDF: 11908818.2/56

All: 518.761+/-0.045 χ^2/NDF: 24678844.8/11

- sign 518.965+/-0.064 χ^2/NDF: 12770006.7/58



Right In: -0.000+/-0.000 χ^2/NDF: 25.7/31

Left Out: -0.000+/-0.000 χ^2/NDF:14.3/24

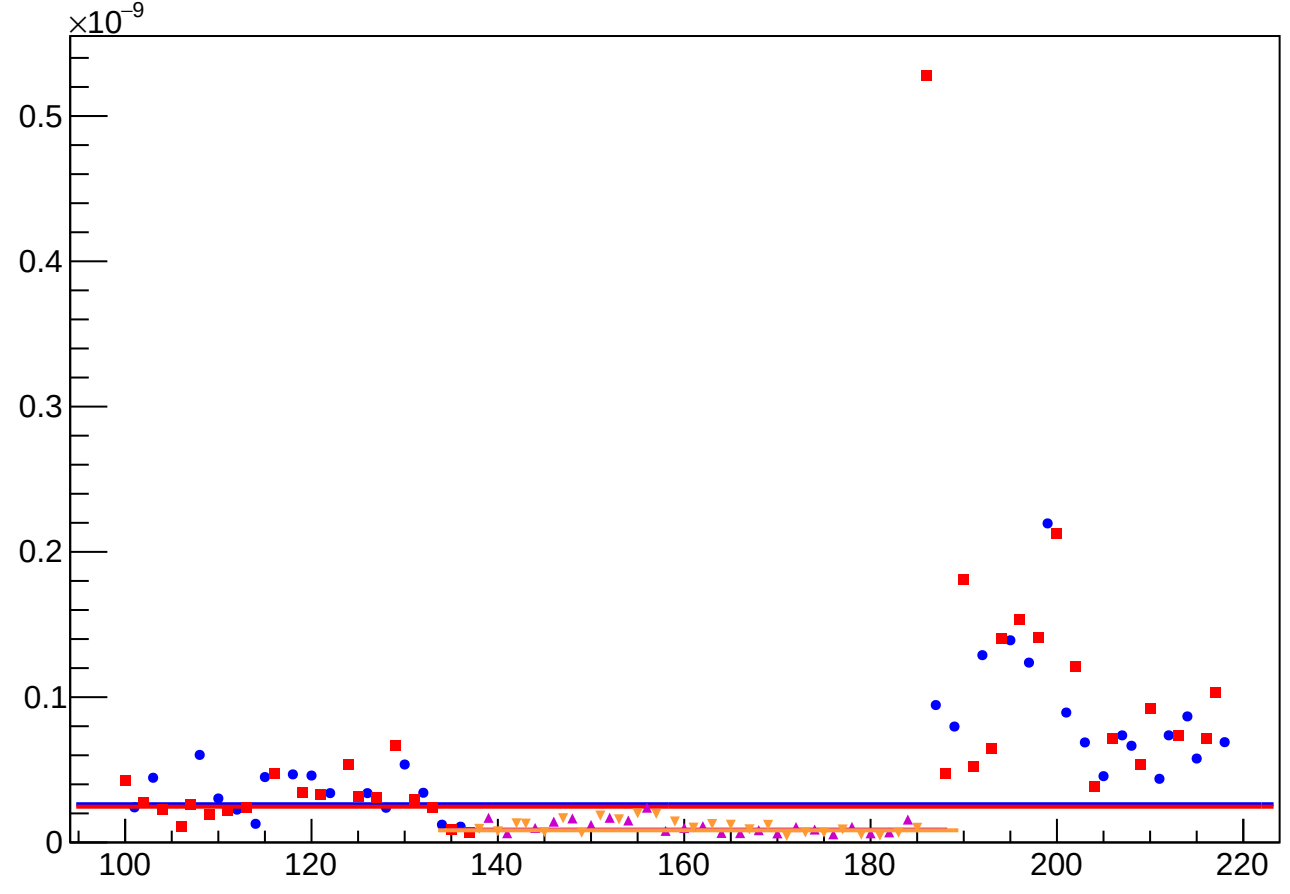
Right Out: -0.000+/-0.000 χ^2/NDF: 37.4/35

Left In: -0.000+/-0.000 χ^2/NDF:22.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 40.3/56

All: -0.000+/-0.000 χ^2/NDF: 100.1/115

- sign -0.000+/-0.000 χ^2/NDF: 59.5/58



Right In: 0.000+/-0.000 χ^2/NDF: 7368930.3/31

Left Out: 0.000+/-0.000 χ^2/NDF:2207304.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7840193.4/35

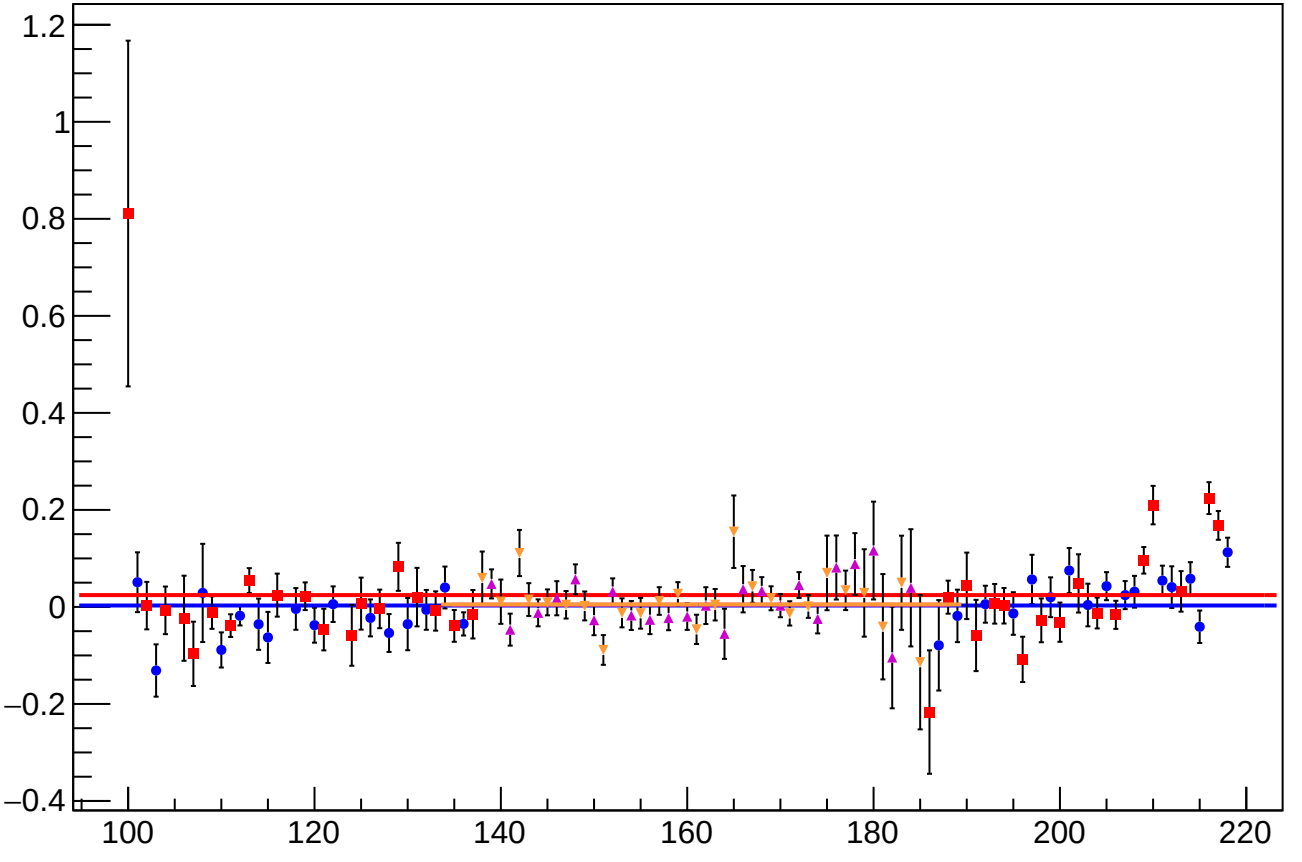
Left In: 0.000+/-0.000 χ^2/NDF:1644276.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 13929927.7/56

All: 0.000+/-0.000 χ^2/NDF: 26922588.2/115

- sign 0.000+/-0.000 χ^2/NDF: 12967101.9/58

asym_sam_15_48_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.003+/-0.007 χ^2/NDF: 53.3/31

Left Out: 0.005+/-0.007 χ^2/NDF:28.4/24

Right Out: 0.024+/-0.007 χ^2/NDF: 140.0/35

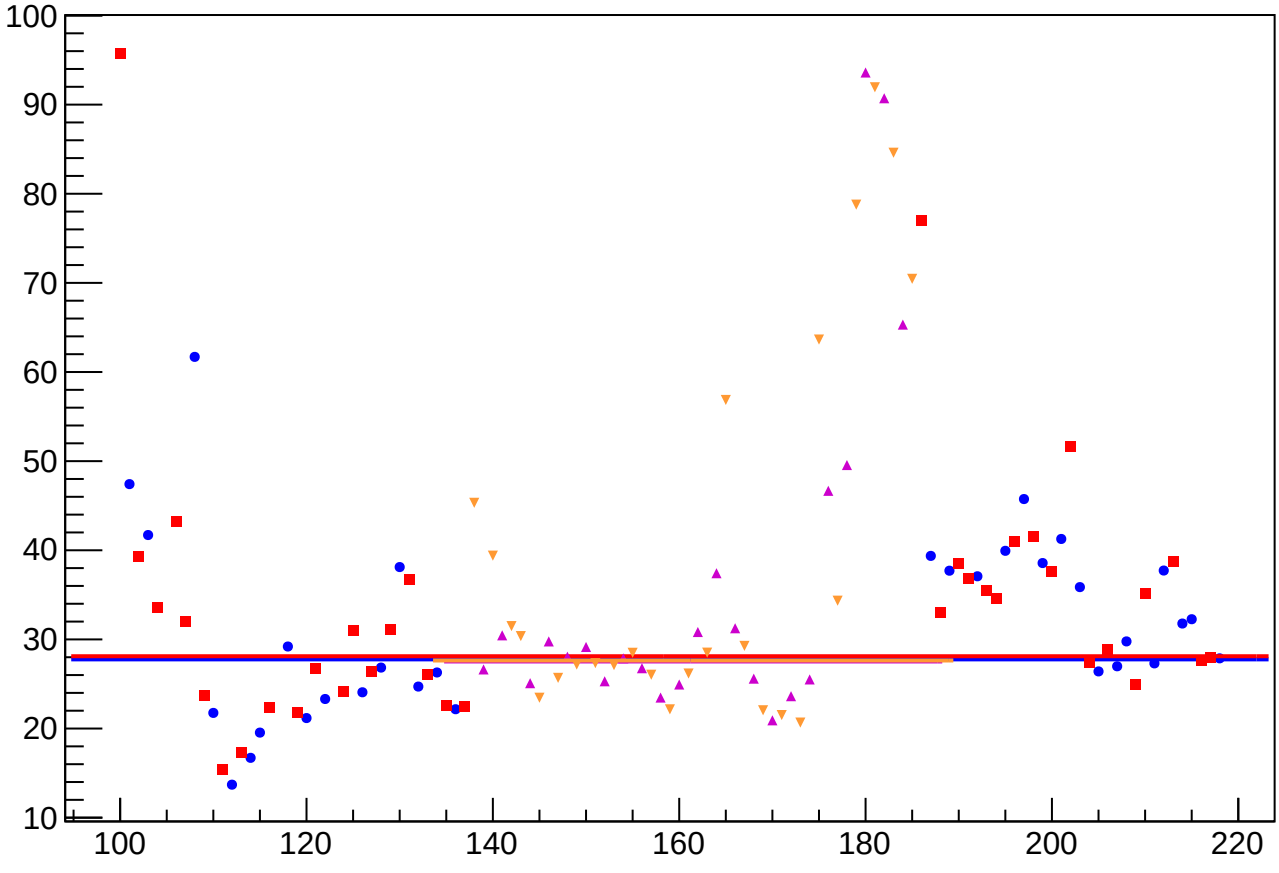
Left In: 0.005+/-0.007 χ^2/NDF:25.1/22

+ sign 0.004+/-0.005 χ^2/NDF: 81.8/56

All: 0.009+/-0.003 χ^2/NDF: 253.8/115

- sign 0.015+/-0.005 χ^2/NDF: 169.3/58

asym_sam_15_48_dd_dit_vs_cor_diff_rms vs Slug



Right In: 27.759+/-0.005 χ^2/NDF: 3247413.3/31

Left Out: 27.635+/-0.005 χ^2/NDF:3974084.8/24

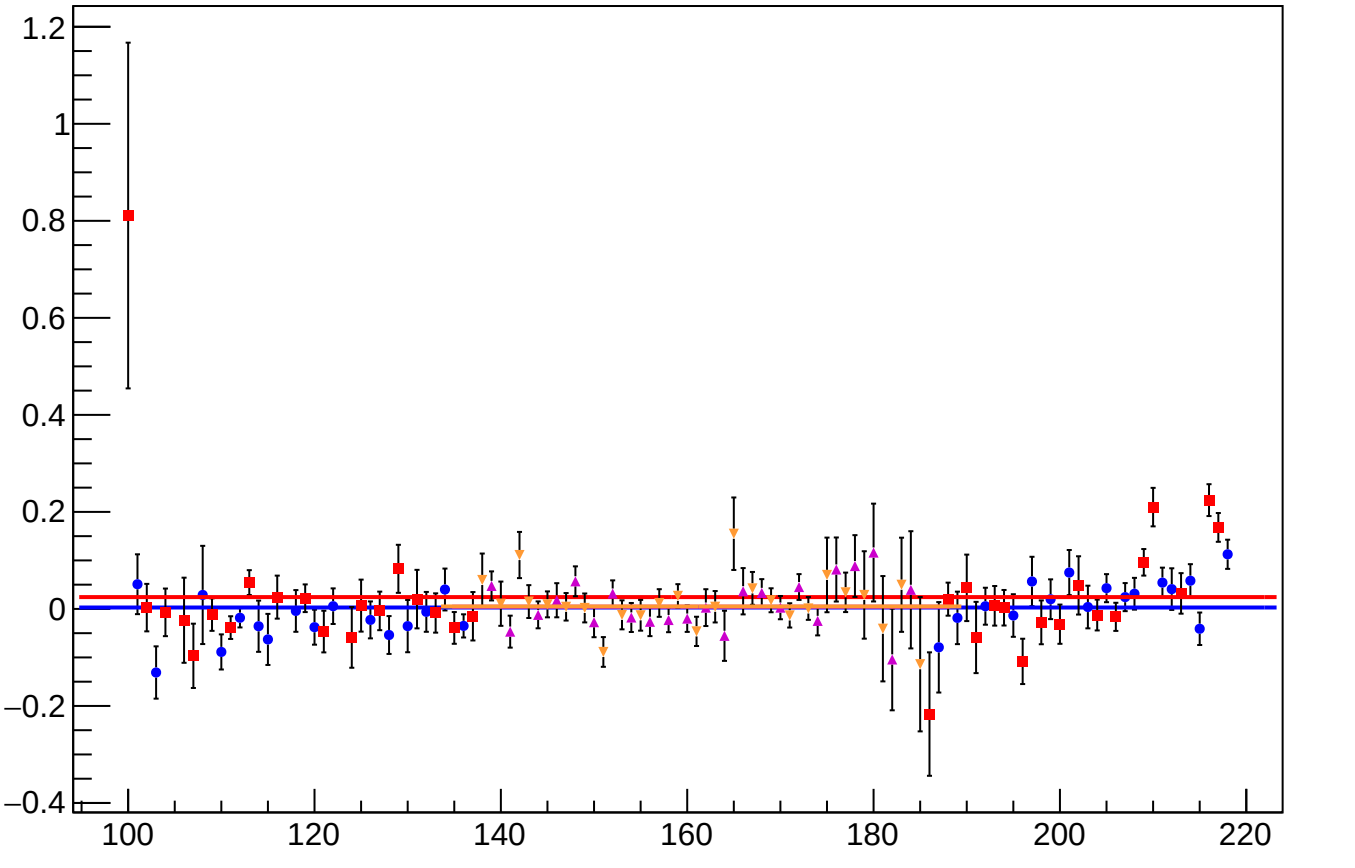
Right Out: 28.112+/-0.005 χ^2/NDF: 3046266.3/35

Left In: 27.524+/-0.005 χ^2/NDF:2634540.9/22

+ sign 27.699+/-0.003 χ^2/NDF: 7221836.8/56

All: 27.766+/-0.002 χ^2/NDF: 12910920.4/115

- sign 27.834+/-0.003 χ^2/NDF: 5688283.9/58



Right In: 0.003+/-0.007 χ^2/NDF: 53.3/31

Left Out: 0.005+/-0.007 χ^2/NDF:28.4/24

Right Out: 0.024+/-0.007 χ^2/NDF: 140.0/35

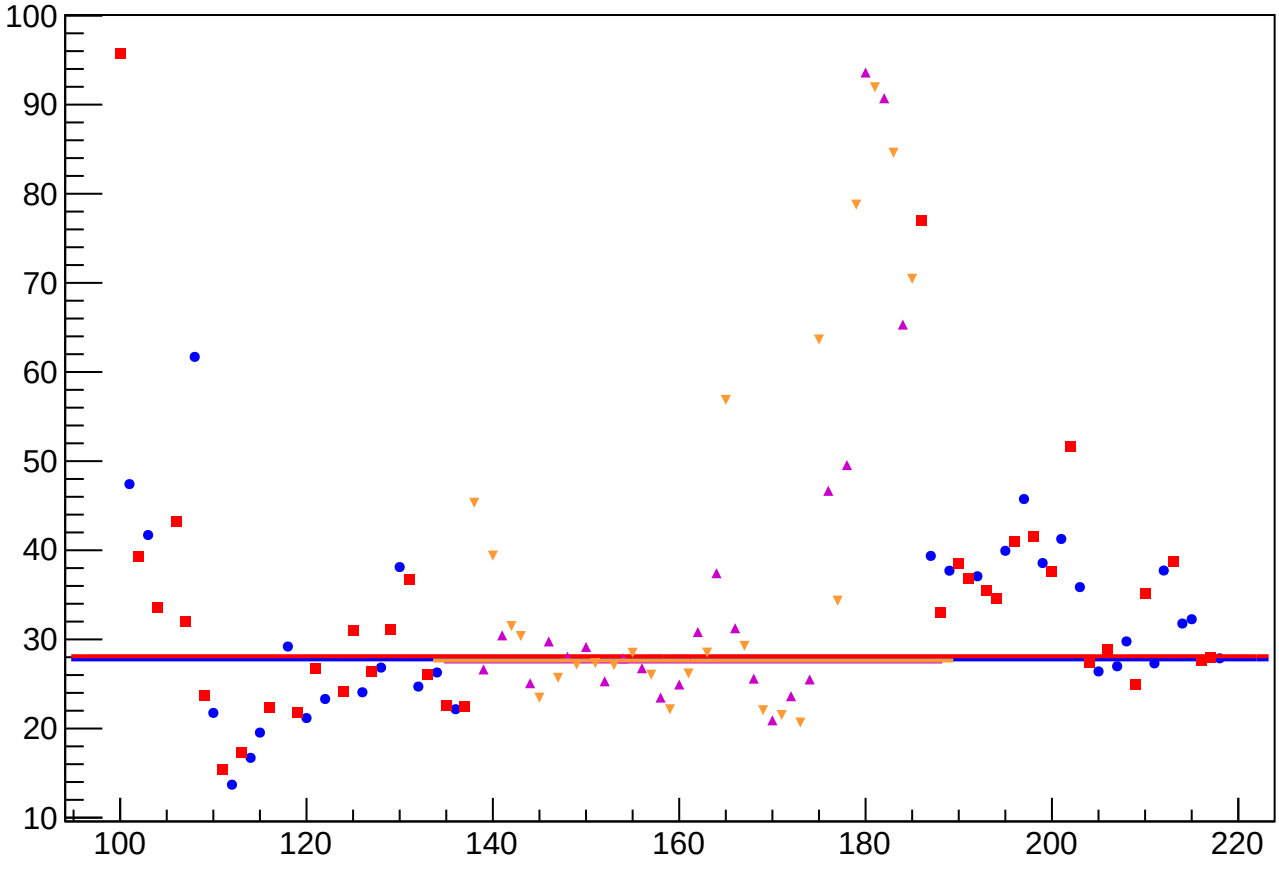
Left In: 0.005+/-0.007 χ^2/NDF:25.1/22

+ sign 0.004+/-0.005 χ^2/NDF: 81.8/56

All: 0.009+/-0.003 χ^2/NDF: 253.8/115

- sign 0.015+/-0.005 χ^2/NDF: 169.3/58

asym_sam_15_48_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 27.759+/-0.005 χ^2/NDF: 3247413.3/31

Left Out: 27.635+/-0.005 χ^2/NDF:3974084.8/24

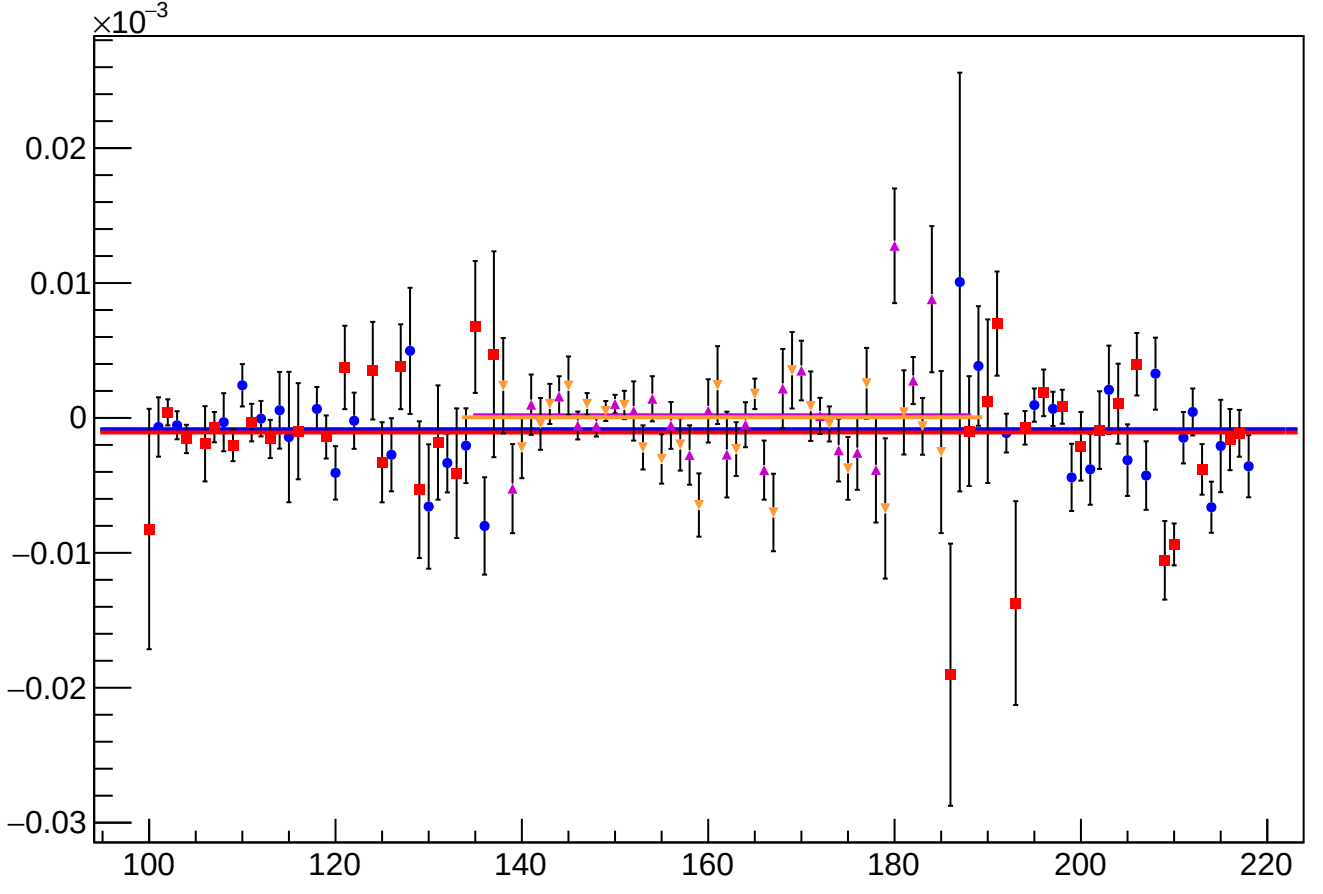
Right Out: 28.112+/-0.005 χ^2/NDF: 3046266.3/35

Left In: 27.524+/-0.005 χ^2/NDF:2634540.9/22

+ sign 27.699+/-0.003 χ^2/NDF: 7221836.8/56

All: 27.766+/-0.002 χ^2/NDF: 12910920.4/115

- sign 27.834+/-0.003 χ^2/NDF: 5688283.9/58



Right In: -0.000+/-0.000 χ^2/NDF: 43.5/31

Left Out: 0.000+/-0.000 χ^2/NDF:37.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 78.5/35

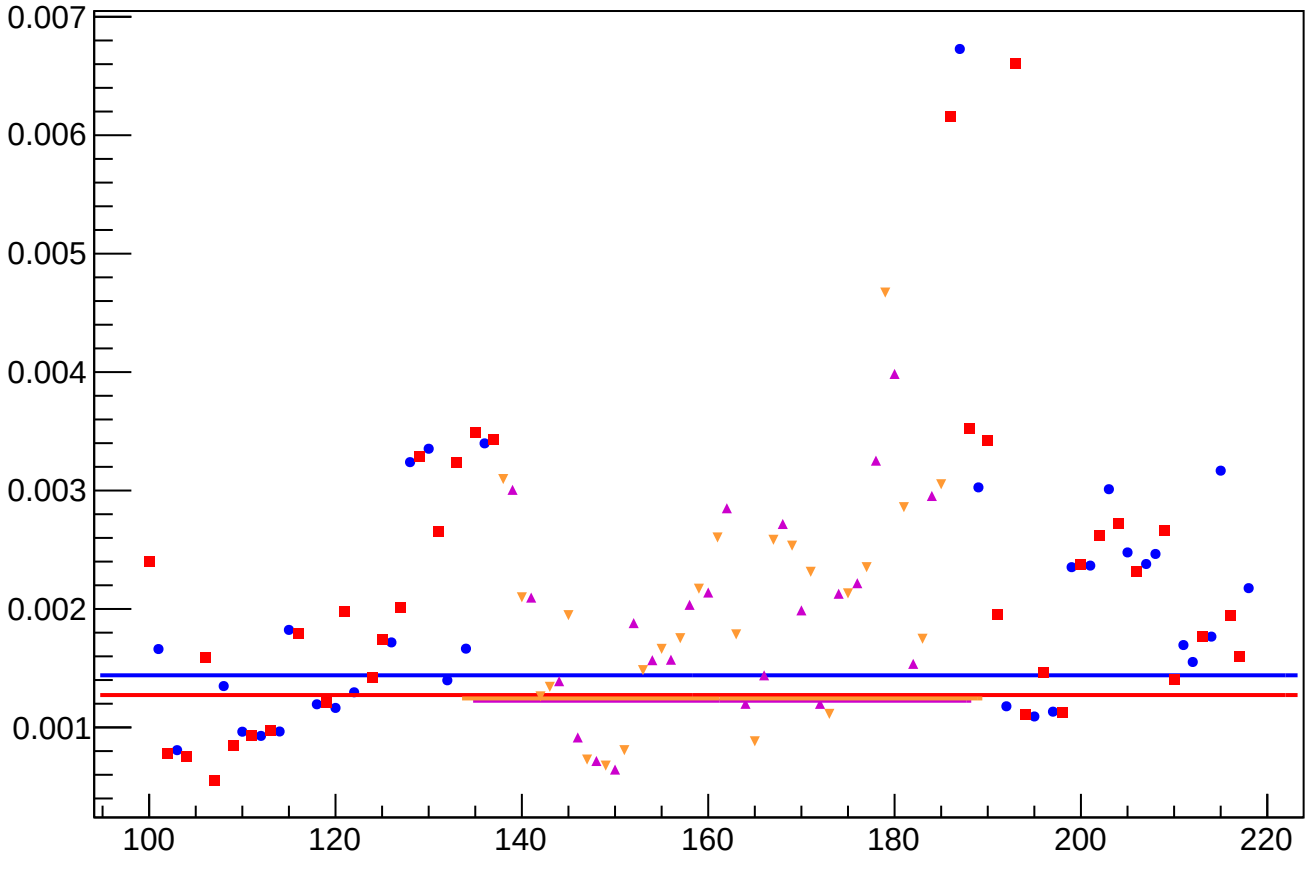
Left In: 0.000+/-0.000 χ^2/NDF:33.3/22

+ sign -0.000+/-0.000 χ^2/NDF: 83.8/56

All: -0.000+/-0.000 χ^2/NDF: 203.1/115

- sign -0.000+/-0.000 χ^2/NDF: 119.2/58

asym_sam_15_48_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 6175286.7/31

Left Out: 0.001+/-0.000 χ^2/NDF:8341059.1/24

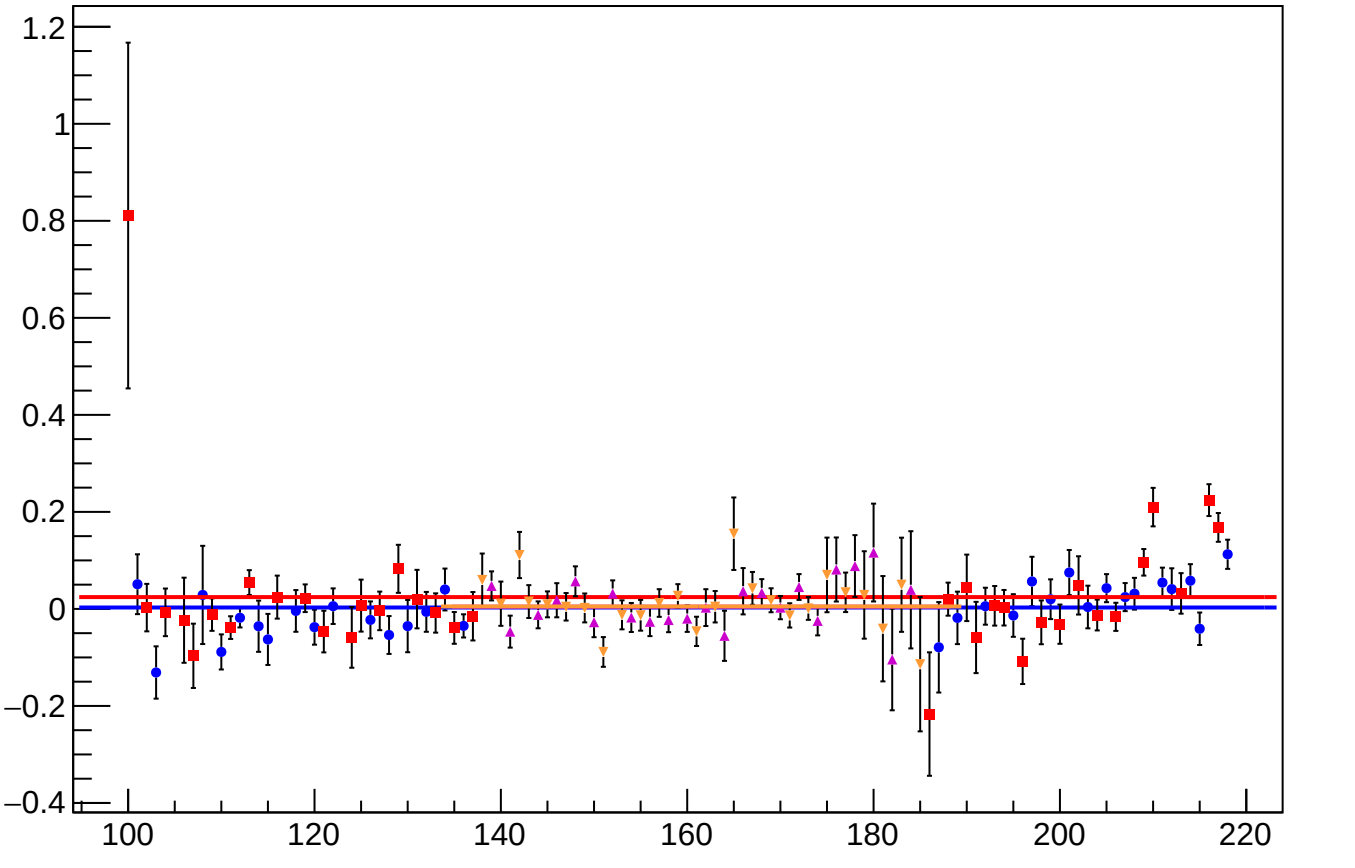
Right Out: 0.001+/-0.000 χ^2/NDF: 9181334.2/35

Left In: 0.001+/-0.000 χ^2/NDF:7822849.8/22

+ sign 0.001+/-0.000 χ^2/NDF: 14843667.1/56

All: 0.001+/-0.000 χ^2/NDF: 31993116.8/115

- sign 0.001+/-0.000 χ^2/NDF: 17025455.2/58



Right In: 0.003+/-0.007 χ^2/NDF: 53.3/31

Left Out: 0.005+/-0.007 χ^2/NDF:28.4/24

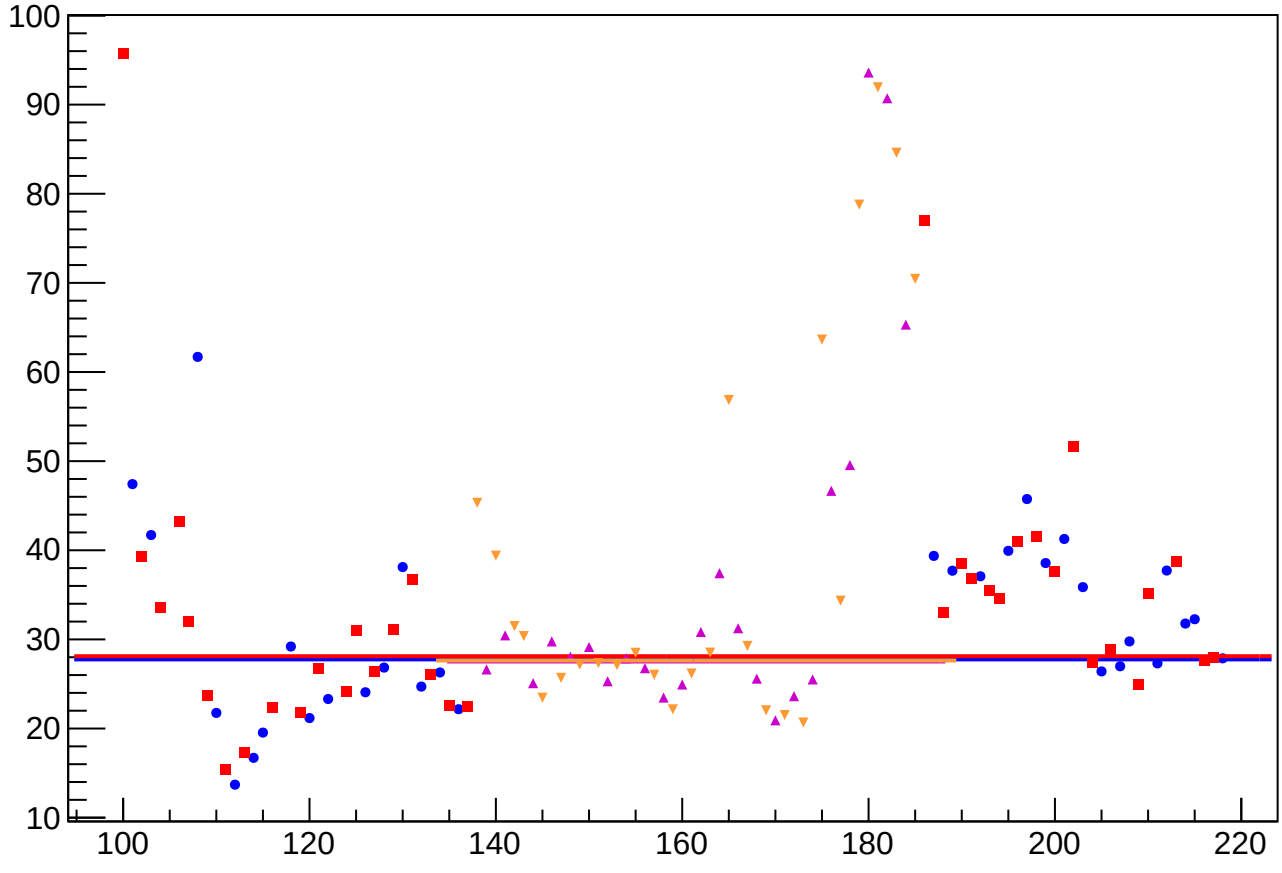
Right Out: 0.024+/-0.007 χ^2/NDF: 140.0/35

Left In: 0.005+/-0.007 χ^2/NDF:25.1/22

+ sign 0.004+/-0.005 χ^2/NDF: 81.8/56

All: 0.009+/-0.003 χ^2/NDF: 253.8/115

- sign 0.015+/-0.005 χ^2/NDF: 169.3/58



Right In: 27.759+/-0.005 χ^2/NDF: 3247390.9/31

Left Out: 27.635+/-0.005 χ^2/NDF:3974025.3/24

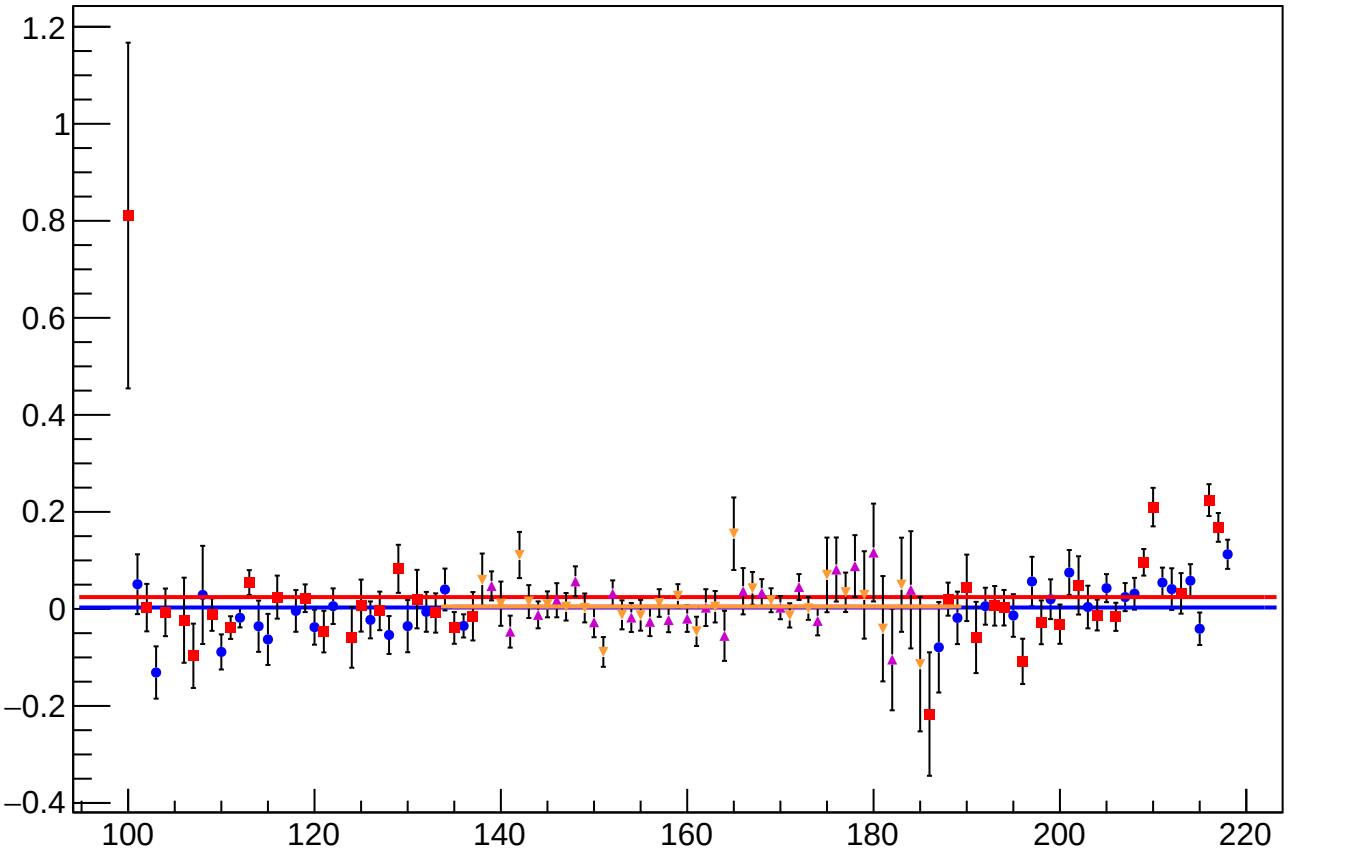
Right Out: 28.112+/-0.005 χ^2/NDF: 3046360.7/35

Left In: 27.524+/-0.005 χ^2/NDF:2634508.8/22

+ sign 27.699+/-0.003 χ^2/NDF: 7221752.7/56

All: 27.766+/-0.002 χ^2/NDF: 12910892.2/115

- sign 27.834+/-0.003 χ^2/NDF: 5688340.5/58



Right In: 0.003+/-0.007 χ^2/NDF: 53.3/31

Left Out: 0.005+/-0.007 χ^2/NDF:28.4/24

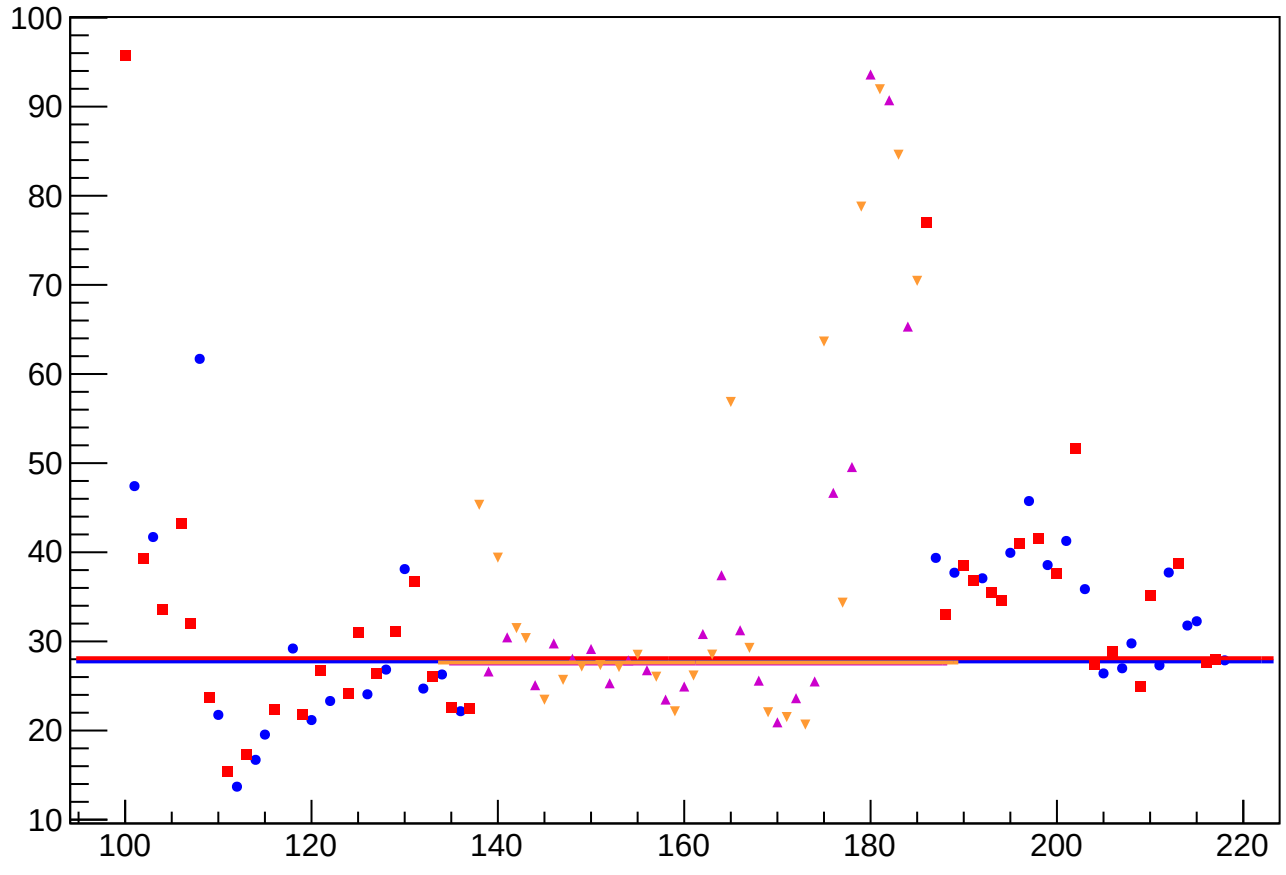
Right Out: 0.024+/-0.007 χ^2/NDF: 140.0/35

Left In: 0.005+/-0.007 χ^2/NDF:25.1/22

+ sign 0.004+/-0.005 χ^2/NDF: 81.8/56

All: 0.009+/-0.003 χ^2/NDF: 253.8/115

- sign 0.015+/-0.005 χ^2/NDF: 169.3/58



Right In: 27.759+/-0.005 χ^2/NDF: 3247390.9/31

Left Out: 27.635+/-0.005 χ^2/NDF:3974025.3/24

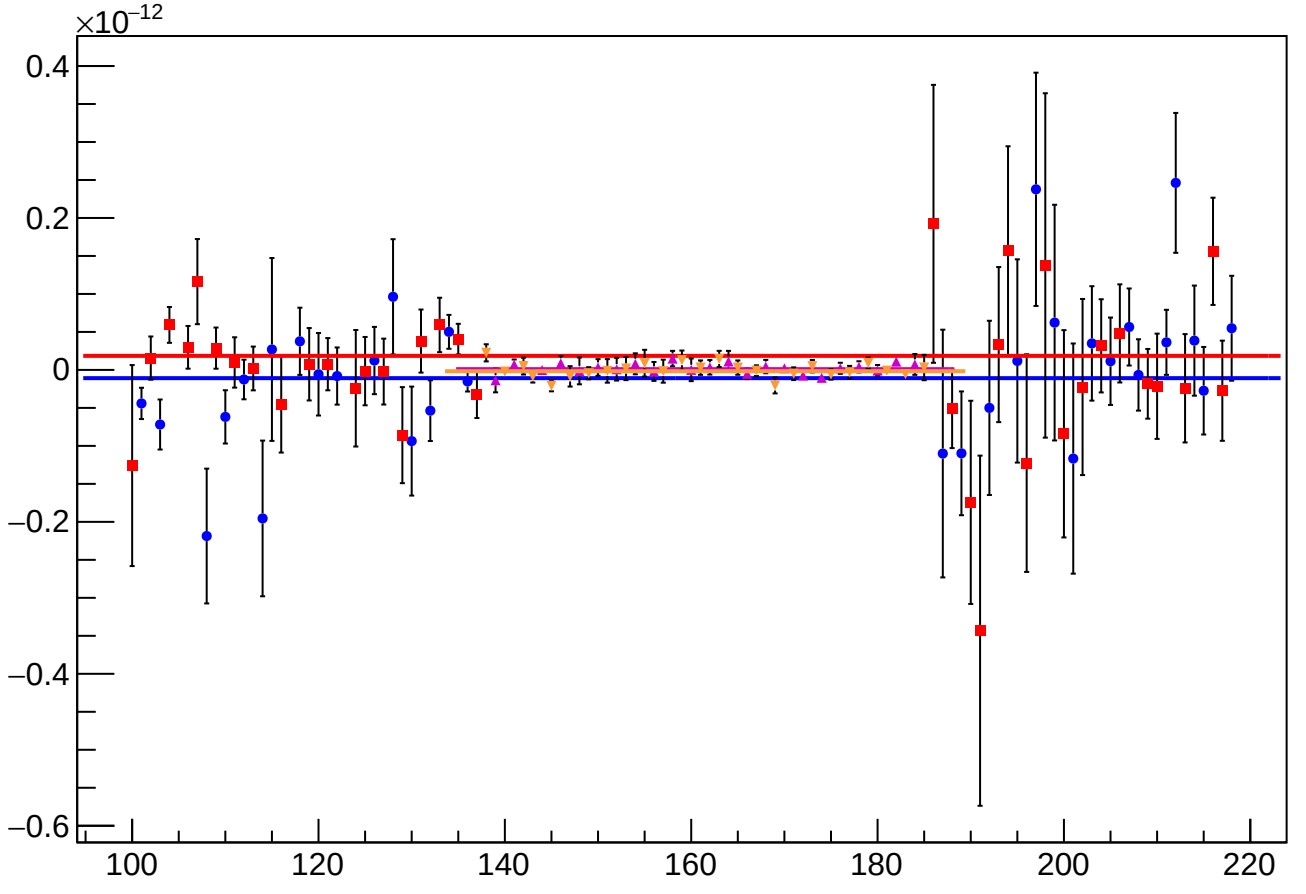
Right Out: 28.112+/-0.005 χ^2/NDF: 3046360.7/35

Left In: 27.524+/-0.005 χ^2/NDF:2634508.8/22

+ sign 27.699+/-0.003 χ^2/NDF: 7221752.7/56

All: 27.766+/-0.002 χ^2/NDF: 12910892.2/115

- sign 27.834+/-0.003 χ^2/NDF: 5688340.5/58



Right In: -0.000+/-0.000 χ^2/NDF: 48.6/31

Left Out: -0.000+/-0.000 χ^2/NDF:24.4/24

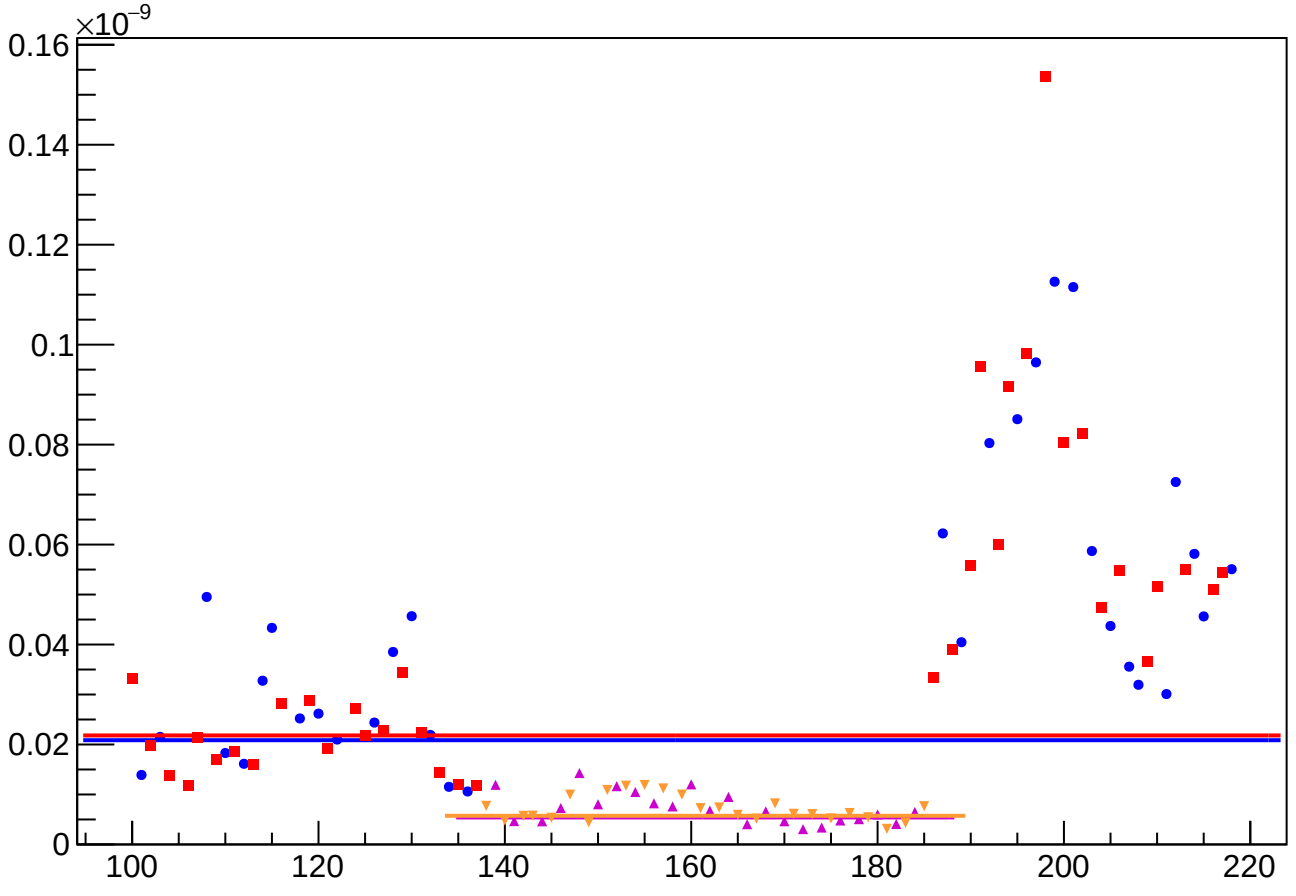
Right Out: 0.000+/-0.000 χ^2/NDF: 34.3/35

Left In: 0.000+/-0.000 χ^2/NDF:16.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 74.6/56

All: -0.000+/-0.000 χ^2/NDF: 133.9/115

- sign 0.000+/-0.000 χ^2/NDF: 56.2/58



Right In: 0.000+/-0.000 χ^2/NDF: 8909907.3/31

Left Out: 0.000+/-0.000 χ^2/NDF:2645460.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7848386.5/35

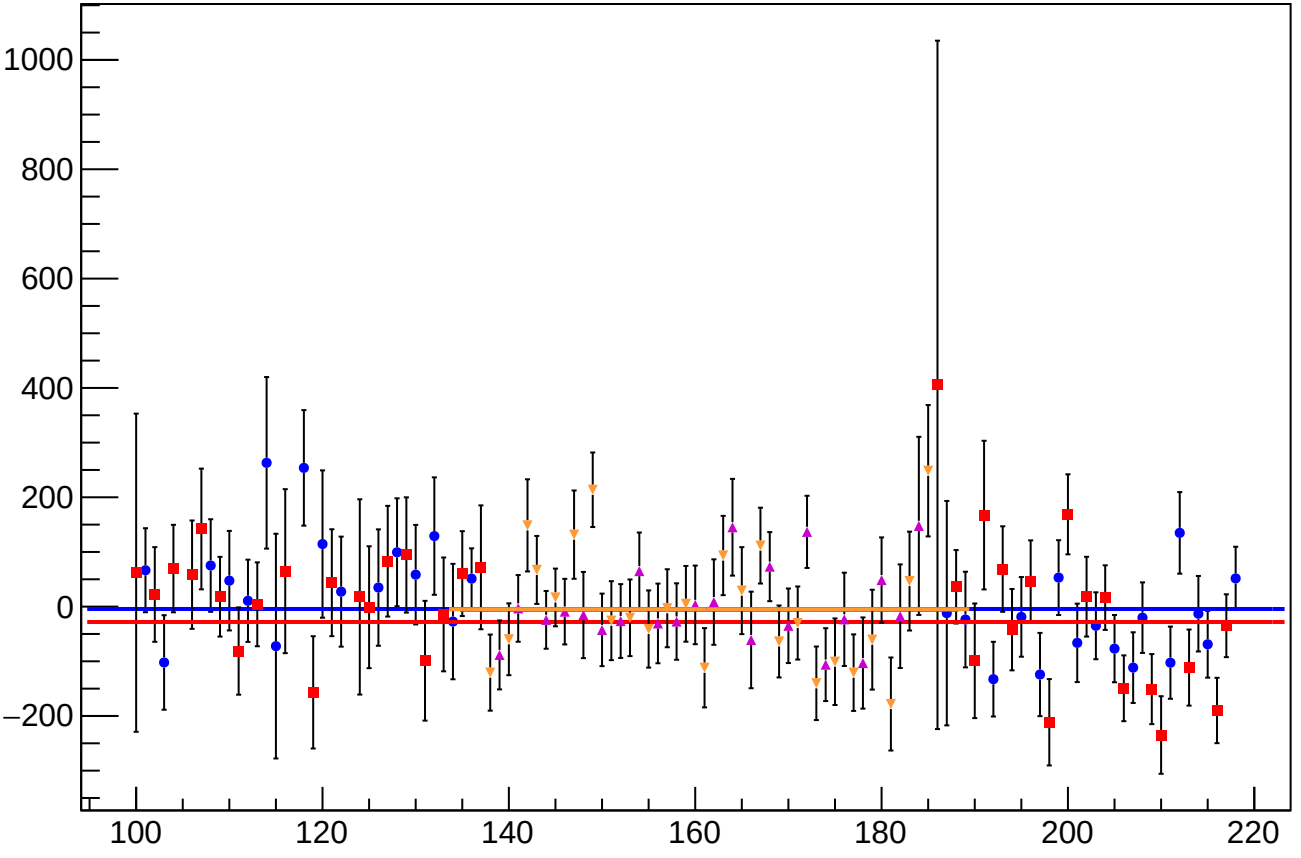
Left In: 0.000+/-0.000 χ^2/NDF:3476696.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 20074176.9/56

All: 0.000+/-0.000 χ^2/NDF: 40969661.5/115

- sign 0.000+/-0.000 χ^2/NDF: 20861292.9/58

reg_asym_sam_37_48_dd_mean vs Slug



Right In: -4.316+/-13.873 χ^2/NDF: 37.3/31

Left Out: -4.742+/-14.432 χ^2/NDF:47.4/24

Right Out: -28.077+/-13.891 χ^2/NDF: 58.9/35

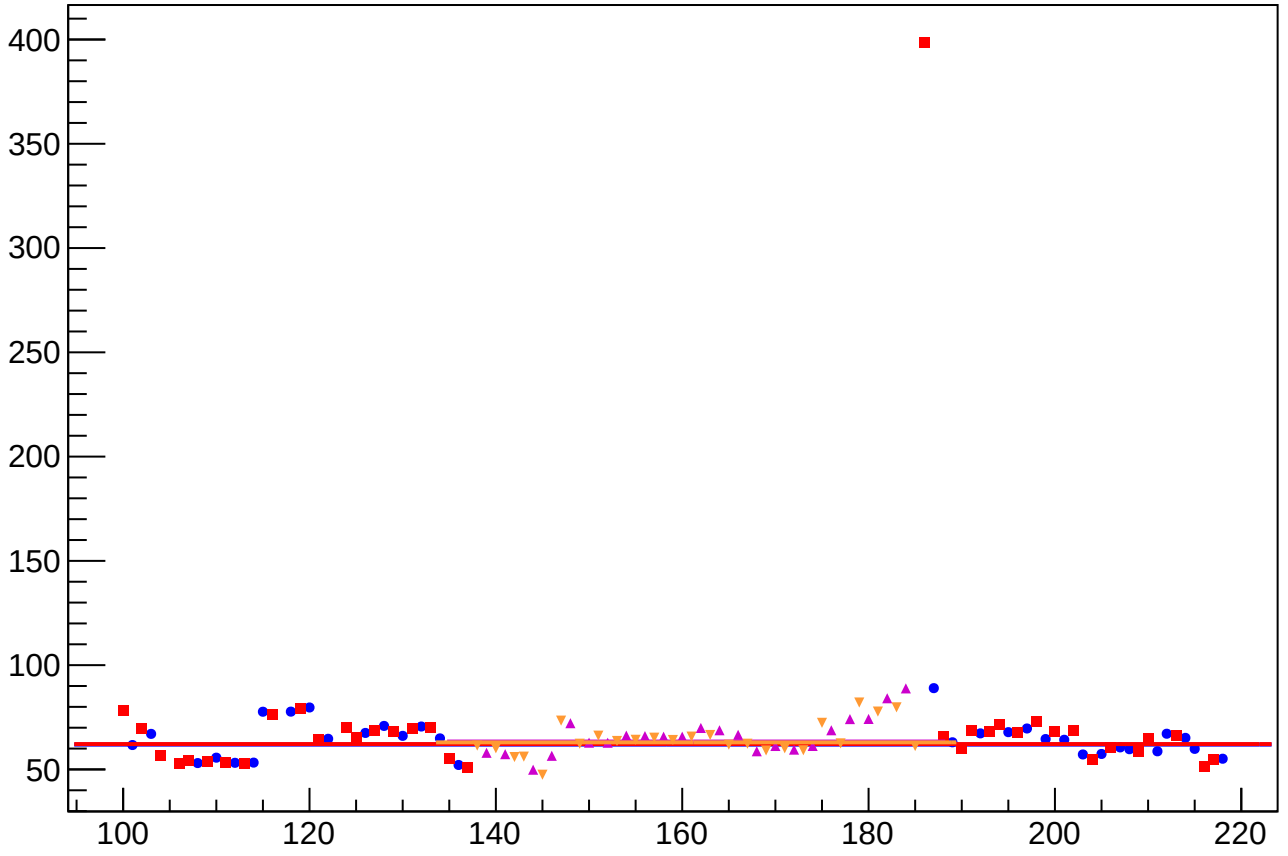
Left In: -5.776+/-14.931 χ^2/NDF:18.3/22

+ sign -4.521+/-10.001 χ^2/NDF: 84.7/56

All: -11.015+/-7.131 χ^2/NDF: 163.9/115

- sign -17.731+/-10.170 χ^2/NDF: 78.3/58

reg_asym_sam_37_48_dd_rms vs Slug



Right In: 61.902+/-0.010 χ^2/NDF: 428285.0/31

Left Out: 62.976+/-0.010 χ^2/NDF:526859.8/24

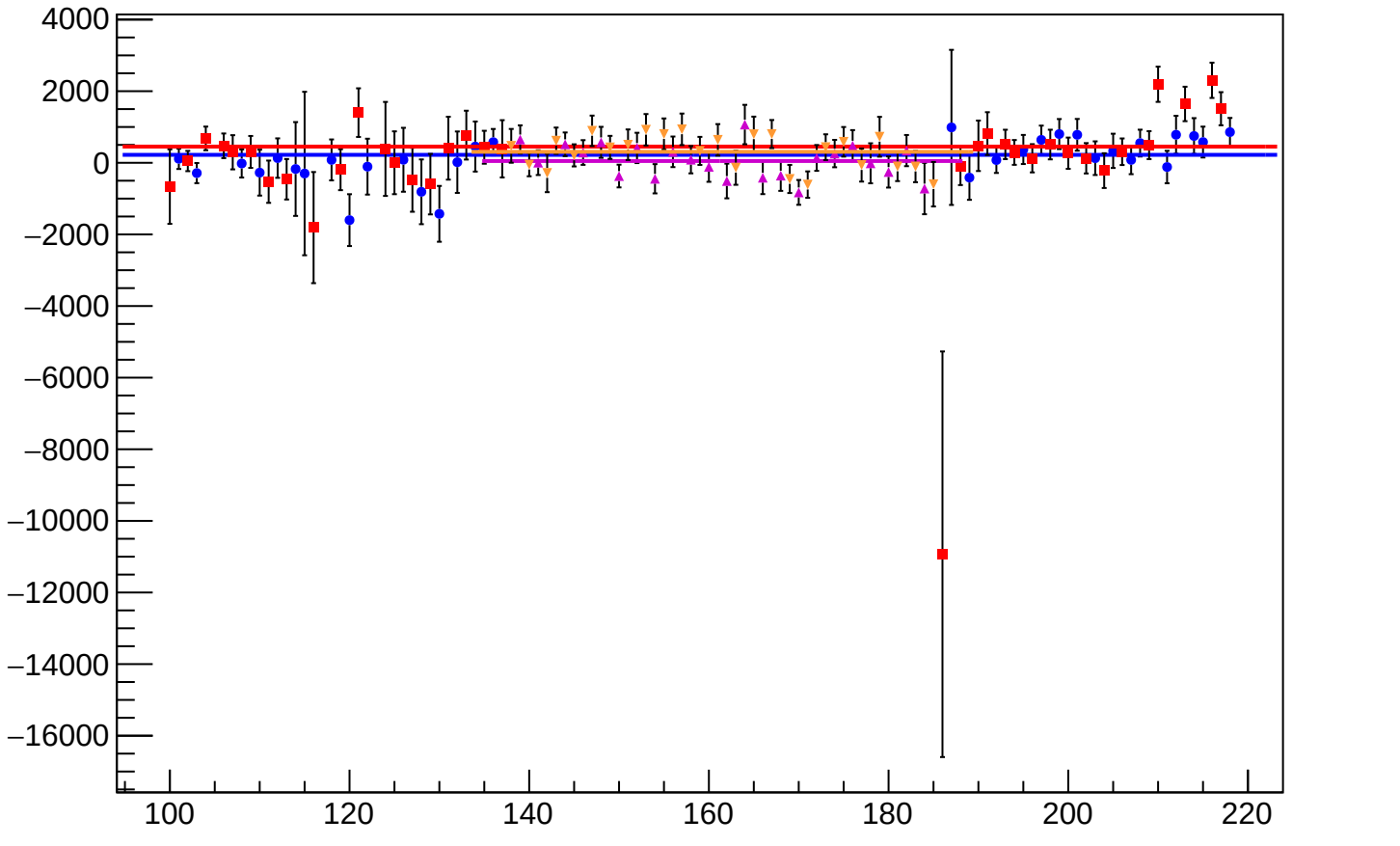
Right Out: 62.156+/-0.010 χ^2/NDF: 1138684.1/35

Left In: 63.365+/-0.011 χ^2/NDF:496926.2/22

+ sign 62.418+/-0.007 χ^2/NDF: 960904.1/56

All: 62.565+/-0.005 χ^2/NDF: 2604427.1/115

- sign 62.717+/-0.007 χ^2/NDF: 1642642.4/58



Right In: 222.136+/-84.619 χ^2/NDF: 31.2/31

Left Out: 307.183+/-82.361 χ^2/NDF:30.6/24

Right Out: 452.642+/-82.368 χ^2/NDF: 65.0/35

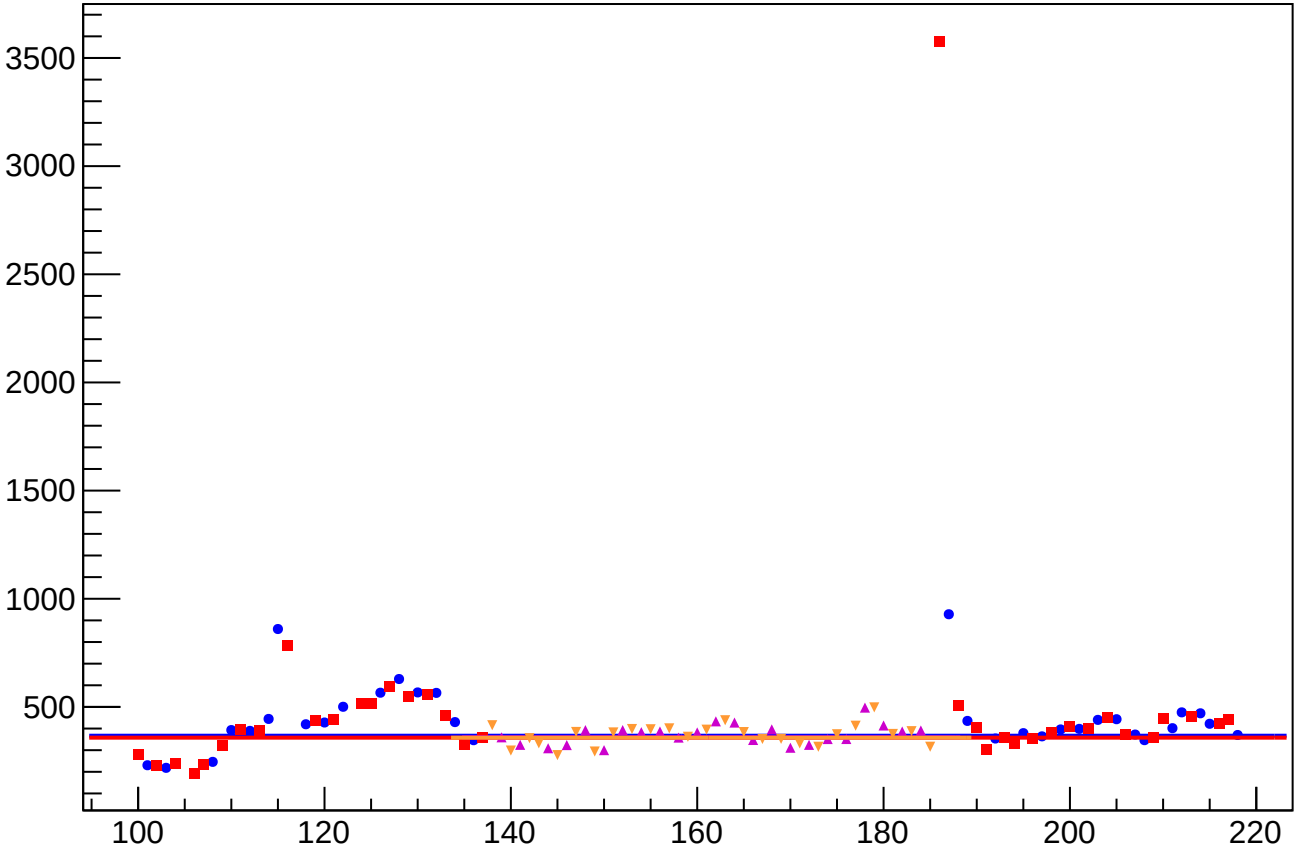
Left In: 50.030+/-84.838 χ^2/NDF:27.3/22

+ sign 265.809+/-59.020 χ^2/NDF: 62.3/56

All: 261.551+/-41.761 χ^2/NDF: 166.2/115

- sign 257.282+/-59.097 χ^2/NDF: 103.8/58

asym_sam_37_48_dd_reg_correction_rms vs Slug



Right In: 366.855+/-0.060 χ^2/NDF: 2434374.6/31

Left Out: 357.731+/-0.058 χ^2/NDF:683730.4/24

Right Out: 357.898+/-0.058 χ^2/NDF: 3272159.6/35

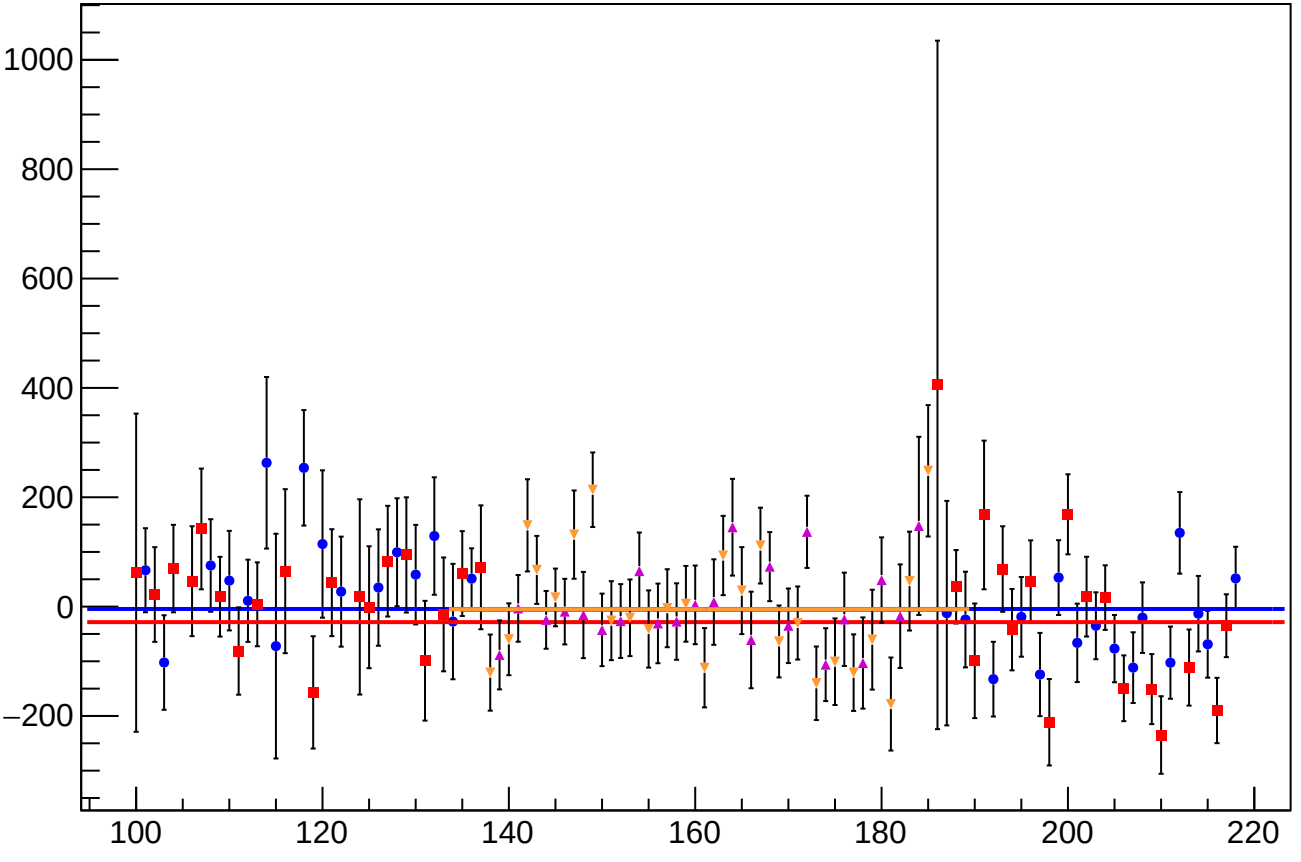
Left In: 359.350+/-0.060 χ^2/NDF:519759.9/22

+ sign 362.170+/-0.042 χ^2/NDF: 3130044.3/56

All: 360.389+/-0.030 χ^2/NDF: 6925913.7/115

- sign 358.603+/-0.042 χ^2/NDF: 3792221.0/58

cor_asym_sam_37_48_dd_mean vs Slug



Right In: -4.321+/-13.873 χ^2/NDF: 37.3/31

Left Out: -4.748+/-14.432 χ^2/NDF:47.4/24

Right Out: -28.355+/-13.894 χ^2/NDF: 58.7/35

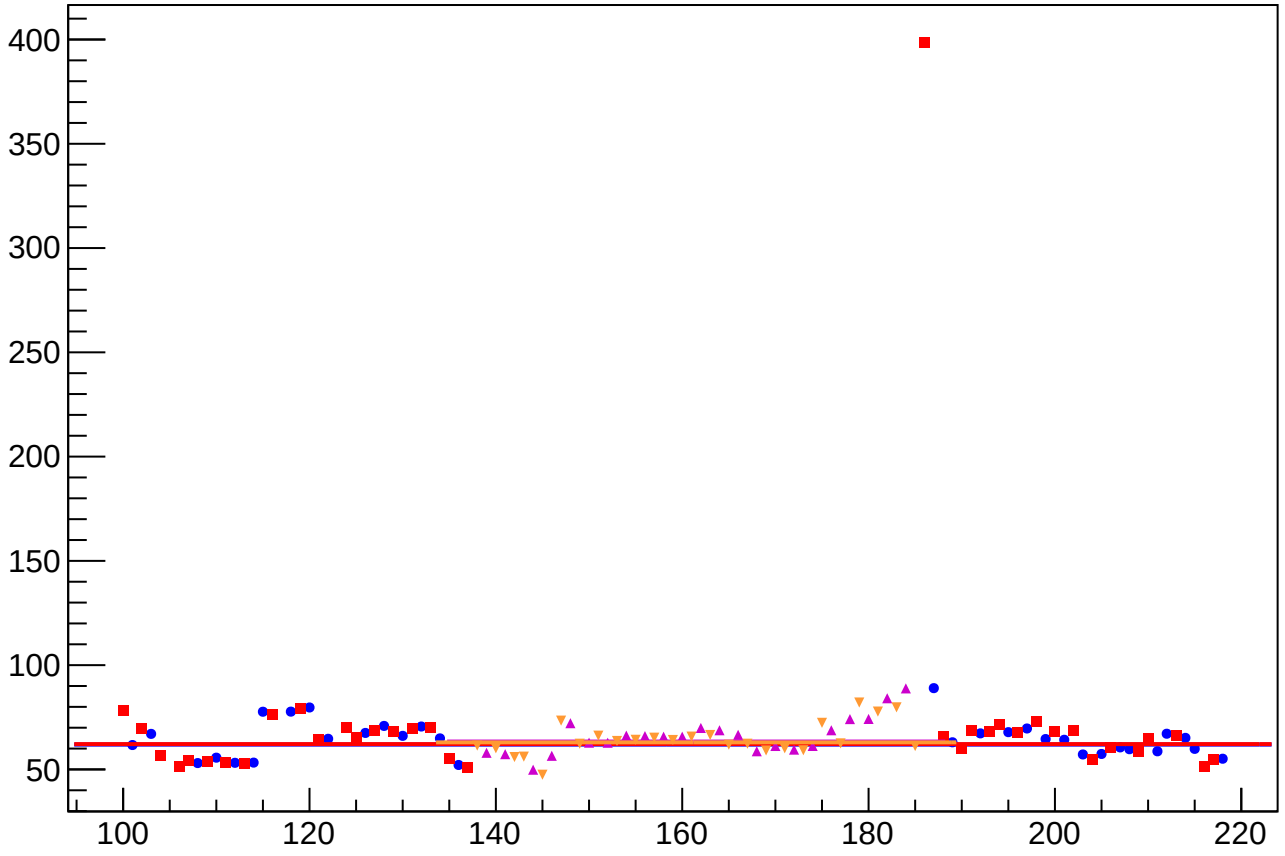
Left In: -5.775+/-14.931 χ^2/NDF:18.3/22

+ sign -4.526+/-10.001 χ^2/NDF: 84.7/56

All: -11.088+/-7.131 χ^2/NDF: 163.7/115

- sign -17.876+/-10.172 χ^2/NDF: 78.2/58

cor_asym_sam_37_48_dd_rms vs Slug



Right In: 61.902+/-0.010 χ^2/NDF: 428285.2/31

Left Out: 62.976+/-0.010 χ^2/NDF:526859.8/24

Right Out: 62.141+/-0.010 χ^2/NDF: 1142457.3/35

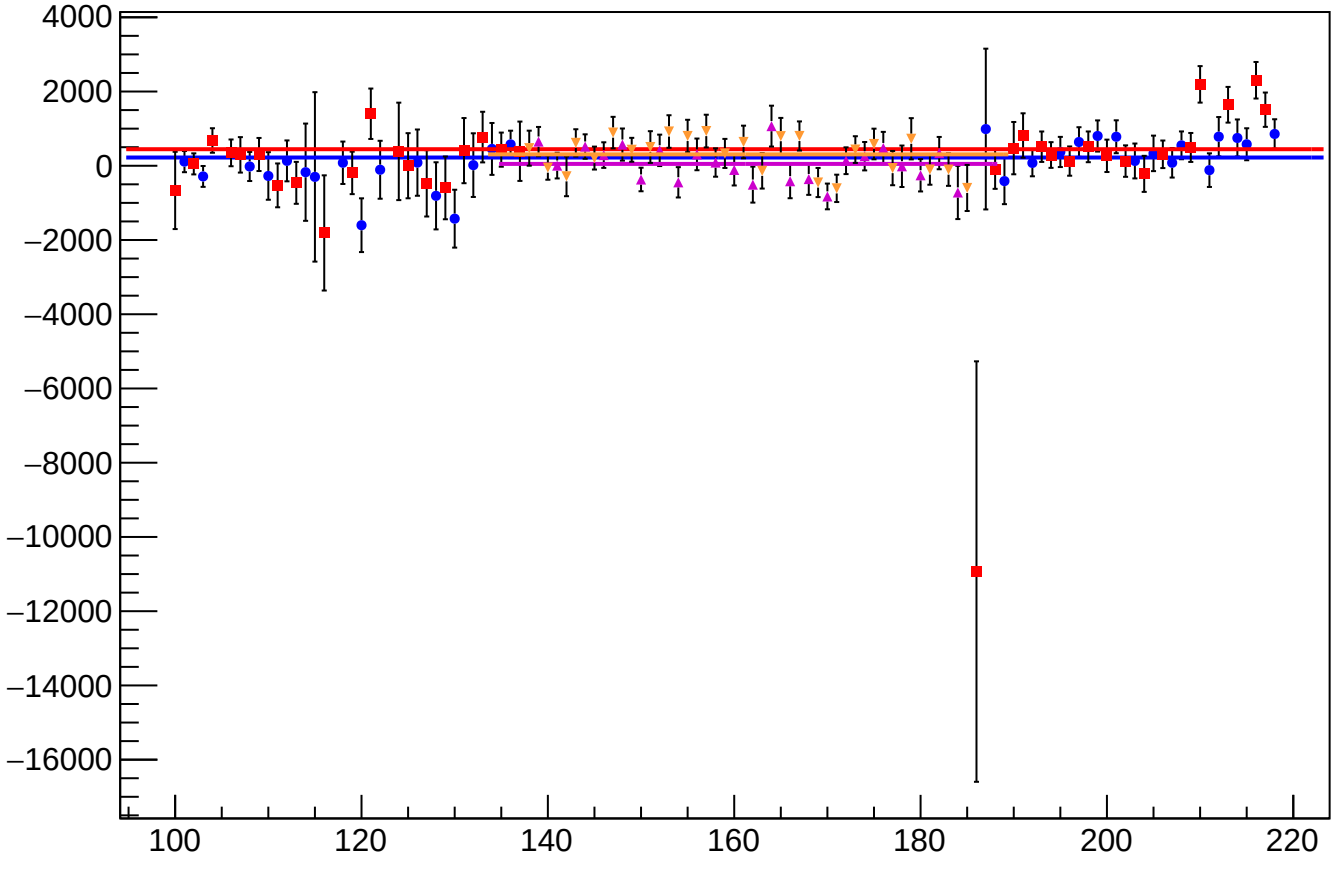
Left In: 63.365+/-0.011 χ^2/NDF:496926.2/22

+ sign 62.418+/-0.007 χ^2/NDF: 960904.3/56

All: 62.561+/-0.005 χ^2/NDF: 2608326.6/115

- sign 62.709+/-0.007 χ^2/NDF: 1646586.9/58

asym_sam_37_48_dd_cor_correction_mean vs Slug



Right In: 222.141+/-84.619 χ^2/NDF: 31.2/31

Left Out: 307.177+/-82.361 χ^2/NDF:30.6/24

Right Out: 446.033+/-82.579 χ^2/NDF: 65.0/35

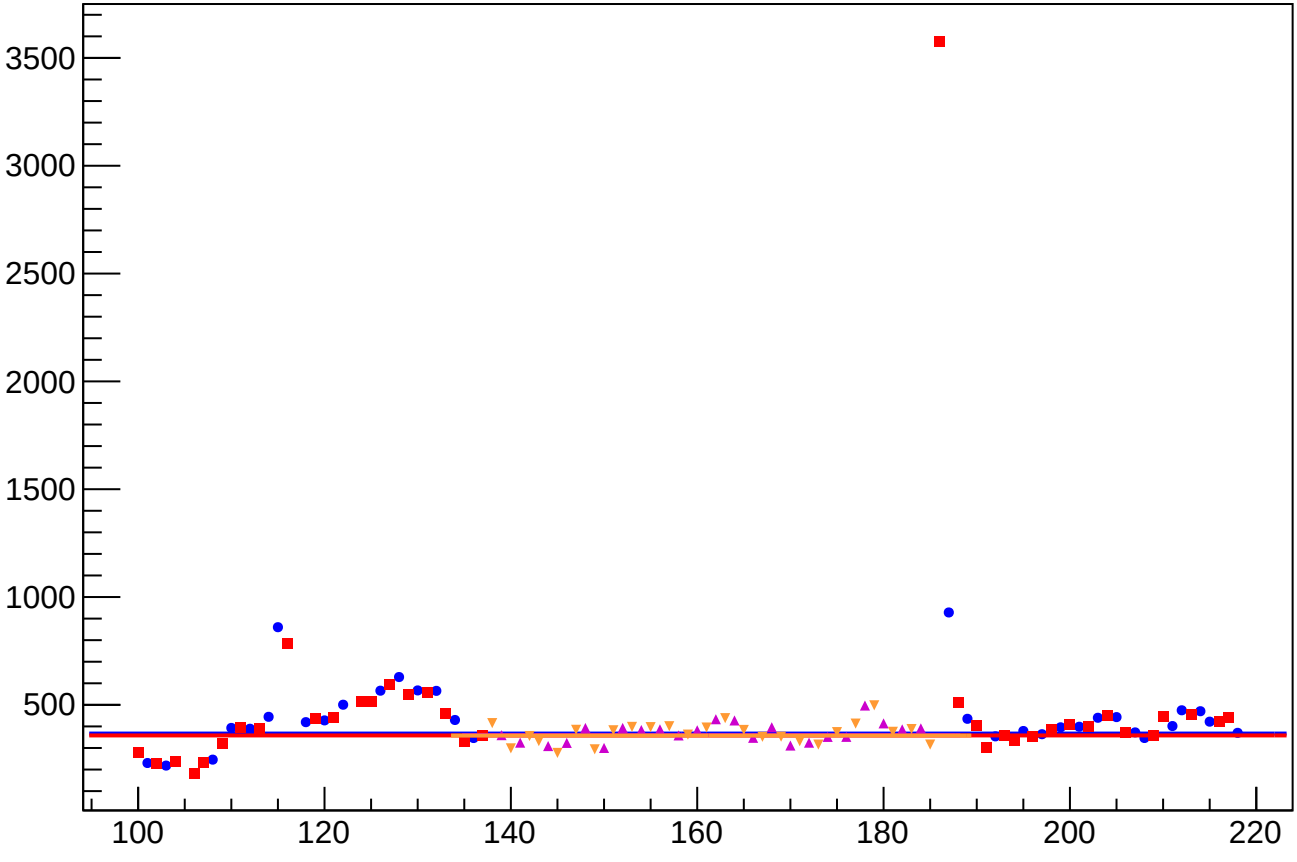
Left In: 50.029+/-84.838 χ^2/NDF:27.3/22

+ sign 265.808+/-59.020 χ^2/NDF: 62.3/56

All: 259.608+/-41.788 χ^2/NDF: 165.8/115

- sign 253.375+/-59.175 χ^2/NDF: 103.5/58

asym_sam_37_48_dd_cor_correction_rms vs Slug



Right In: 366.856+/-0.060 χ^2/NDF: 2434283.4/31

Left Out: 357.732+/-0.058 χ^2/NDF:683726.4/24

Right Out: 358.209+/-0.058 χ^2/NDF: 3285438.5/35

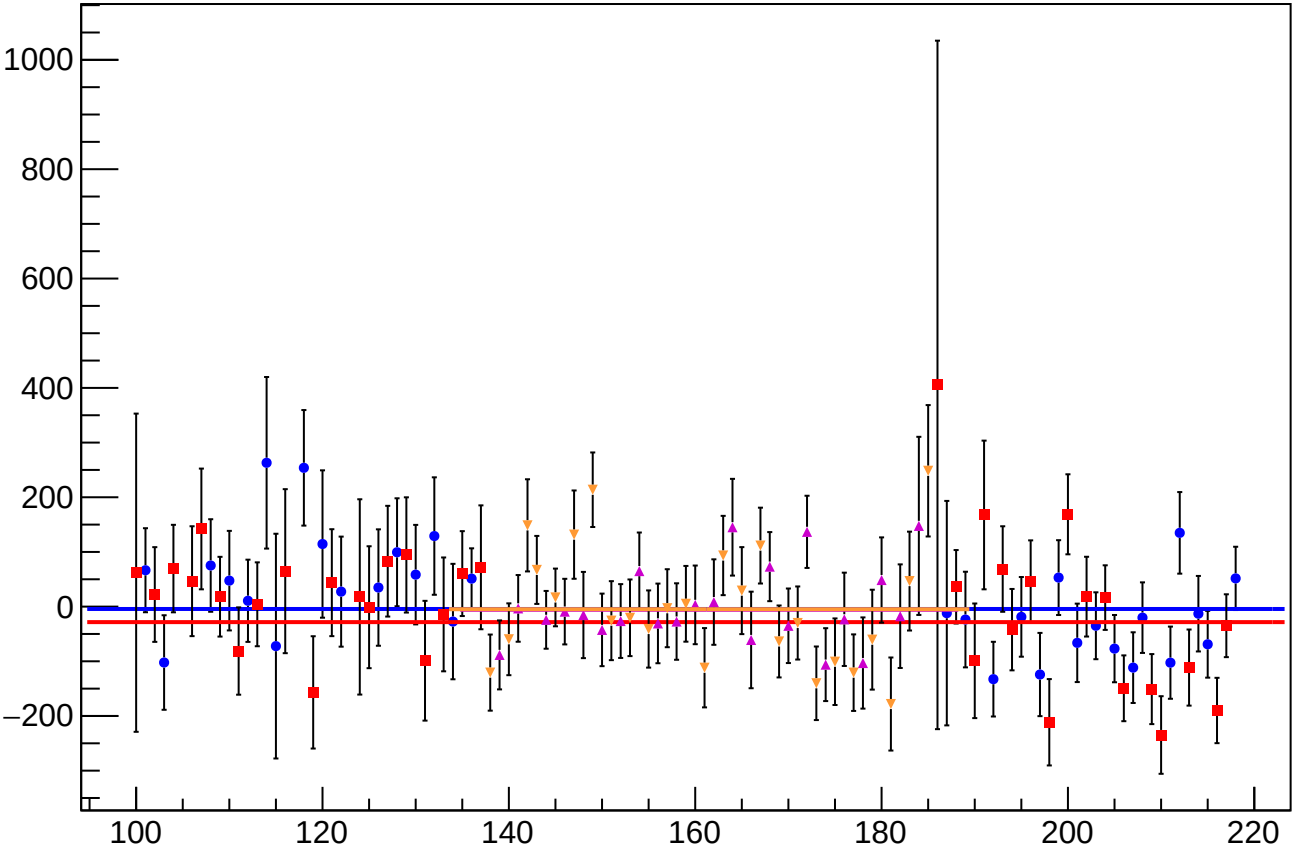
Left In: 359.350+/-0.060 χ^2/NDF:519762.7/22

+ sign 362.171+/-0.042 χ^2/NDF: 3129952.5/56

All: 360.472+/-0.030 χ^2/NDF: 6938662.3/115

- sign 358.764+/-0.042 χ^2/NDF: 3805387.0/58

eigen_cor_asym_sam_37_48_dd_mean vs Slug



Right In: -4.321+/-13.873 χ^2/NDF: 37.3/31

Left Out: -4.748+/-14.432 χ^2/NDF:47.4/24

Right Out: -28.355+/-13.894 χ^2/NDF: 58.7/35

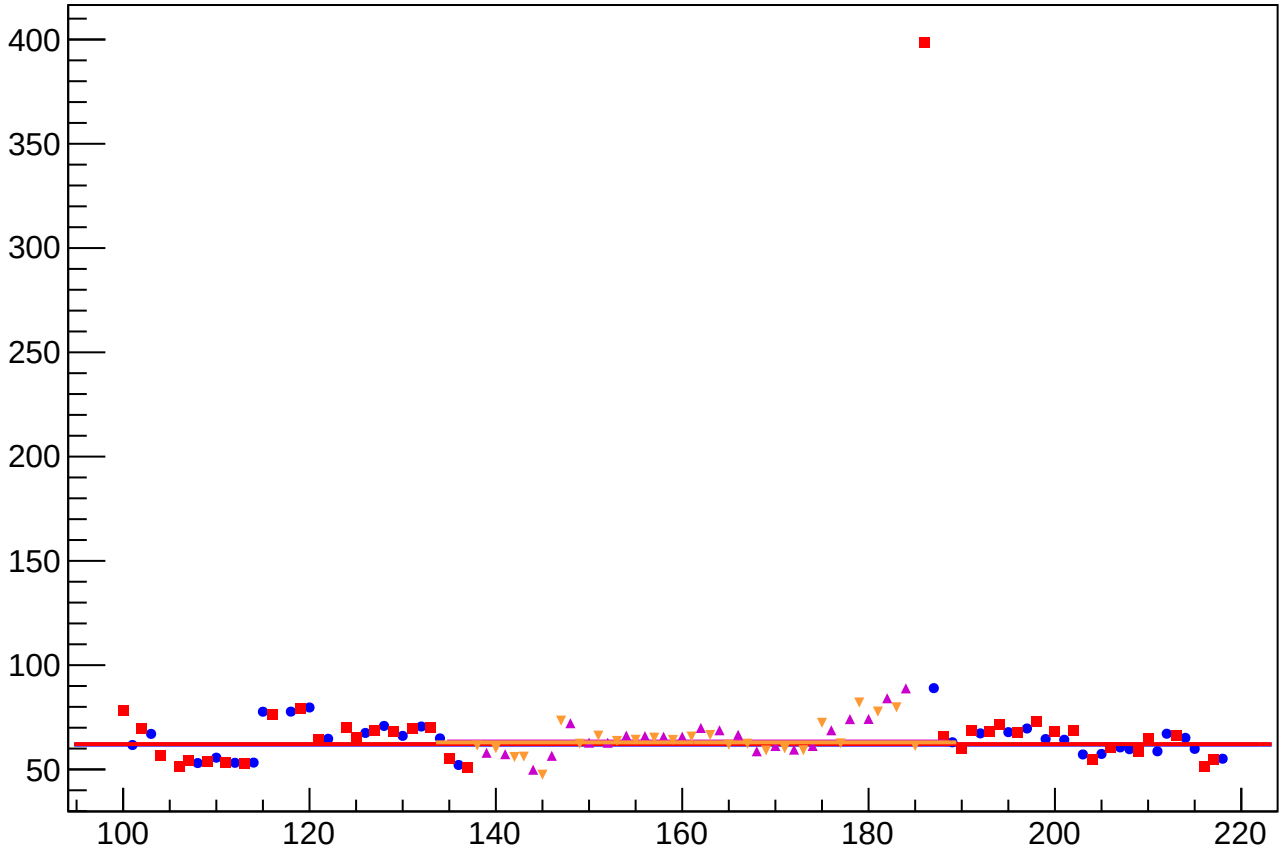
Left In: -5.775+/-14.931 χ^2/NDF:18.3/22

+ sign -4.526+/-10.001 χ^2/NDF: 84.7/56

All: -11.088+/-7.131 χ^2/NDF: 163.7/115

- sign -17.876+/-10.172 χ^2/NDF: 78.2/58

eigen_cor_asym_sam_37_48_dd_rms vs Slug



Right In: 61.902+/-0.010 χ^2/NDF: 428285.2/31

Left Out: 62.976+/-0.010 χ^2/NDF:526859.8/24

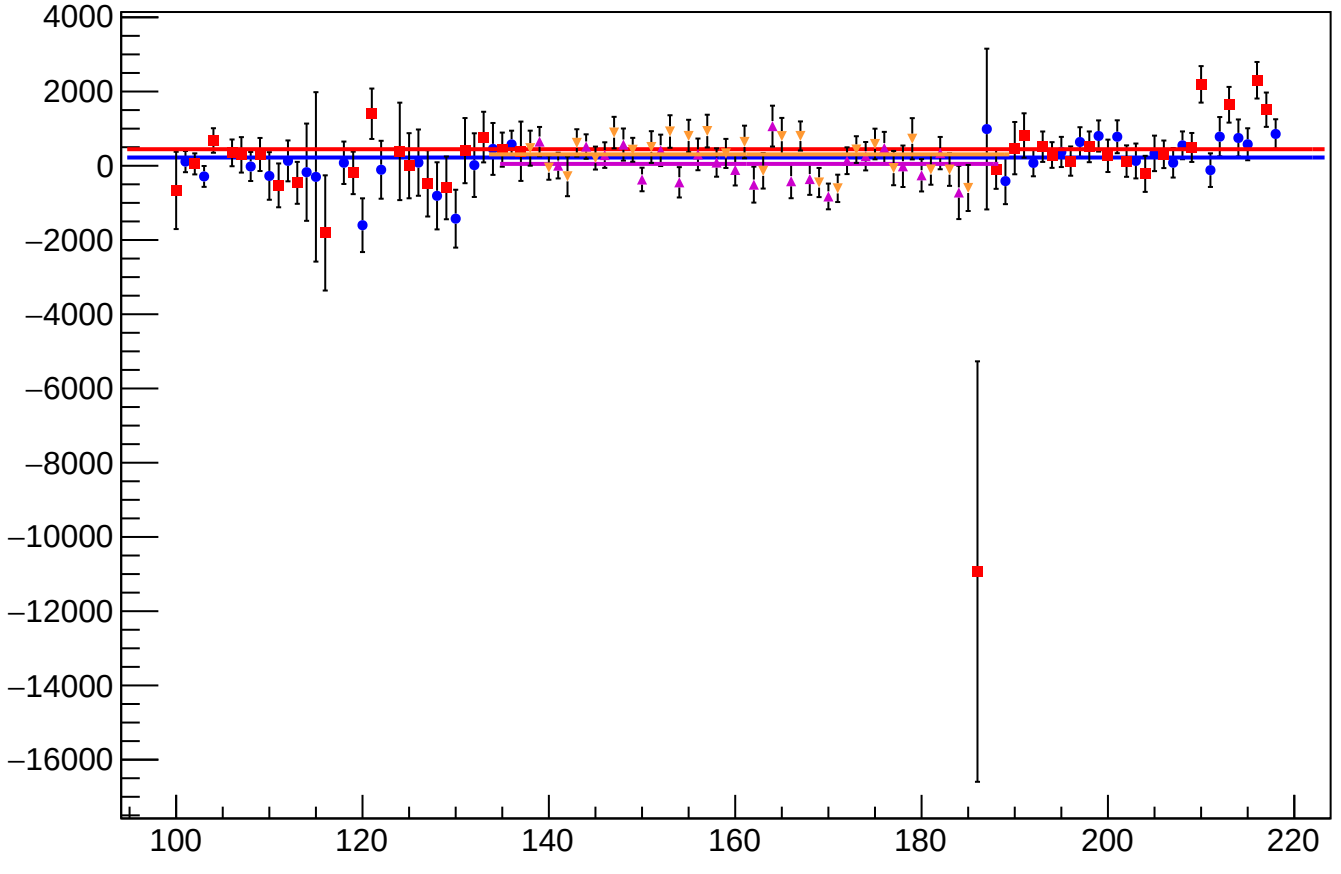
Right Out: 62.141+/-0.010 χ^2/NDF: 1142457.3/35

Left In: 63.365+/-0.011 χ^2/NDF:496926.2/22

+ sign 62.418+/-0.007 χ^2/NDF: 960904.3/56

All: 62.561+/-0.005 χ^2/NDF: 2608326.6/115

- sign 62.709+/-0.007 χ^2/NDF: 1646586.9/58



Right In: 222.141+/-84.619 χ^2/NDF: 31.2/31

Left Out: 307.177+/-82.361 χ^2/NDF:30.6/24

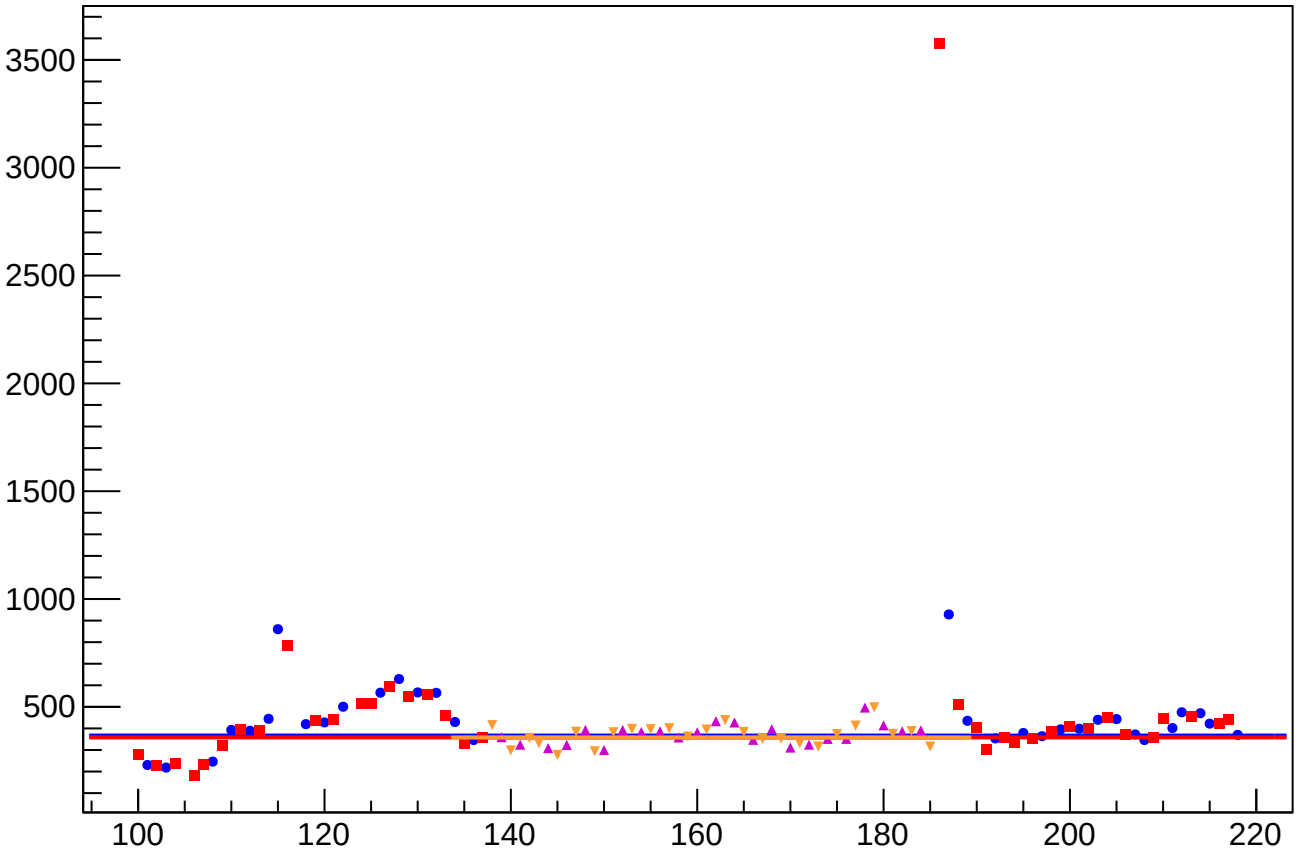
Right Out: 446.033+/-82.579 χ^2/NDF: 65.0/35

Left In: 50.029+/-84.838 χ^2/NDF:27.3/22

\+ sign 265.808+/-59.020 χ^2/NDF: 62.3/56

All: 259.608+/-41.788 χ^2/NDF: 165.8/115

\- sign 253.375+/-59.175 χ^2/NDF: 103.5/58



Right In: 366.856+/-0.060 χ^2/NDF: 2434283.4/31

Left Out: 357.732+/-0.058 χ^2/NDF:683726.4/24

Right Out: 358.209+/-0.058 χ^2/NDF: 3285438.5/35

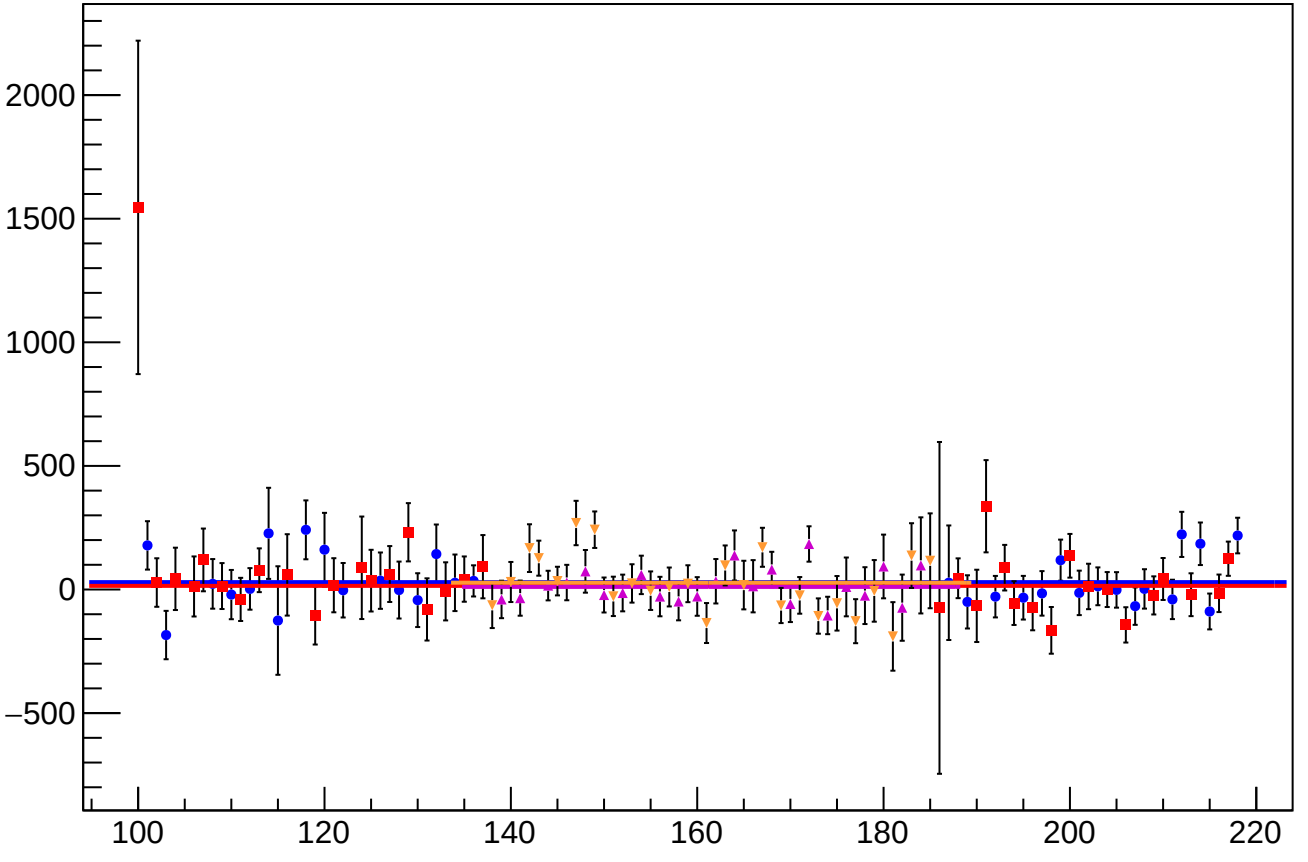
Left In: 359.350+/-0.060 χ^2/NDF:519762.7/22

+ sign 362.171+/-0.042 χ^2/NDF: 3129952.5/56

All: 360.472+/-0.030 χ^2/NDF: 6938662.3/115

- sign 358.764+/-0.042 χ^2/NDF: 3805387.0/58

dit_asym_sam_37_48_dd_mean vs Slug



Right In: 29.887+/-16.456 χ^2/NDF: 37.8/31

Left Out: 27.627+/-16.742 χ^2/NDF:42.4/24

Right Out: 14.720+/-16.673 χ^2/NDF: 32.1/35

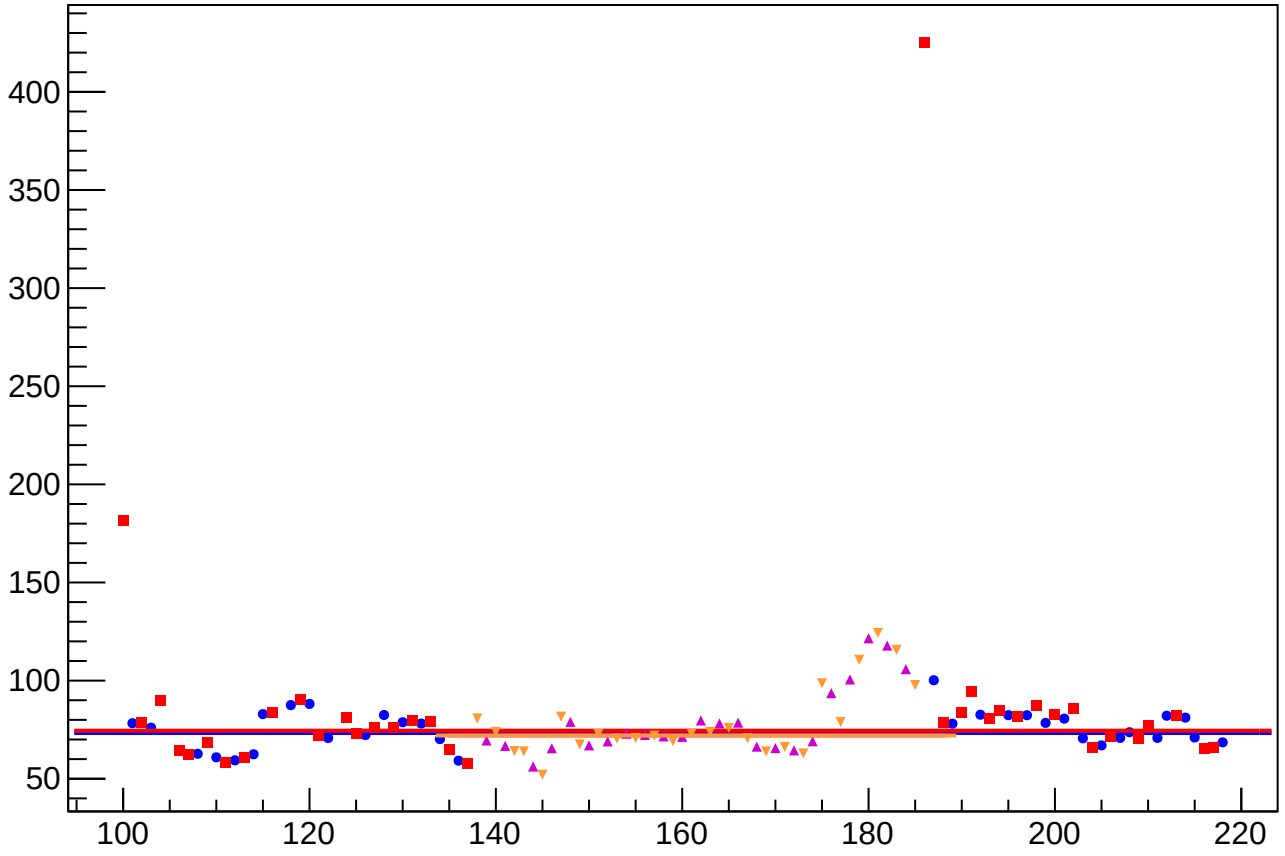
Left In: 10.521+/-17.225 χ^2/NDF:16.1/22

+ sign 28.776+/-11.736 χ^2/NDF: 80.1/56

All: 20.898+/-8.384 χ^2/NDF: 129.2/115

- sign 12.689+/-11.980 χ^2/NDF: 48.2/58

dit_asym_sam_37_48_dd_rms vs Slug



Right In: 73.301+/-0.012 χ^2/NDF: 483425.3/31

Left Out: 72.041+/-0.012 χ^2/NDF:1269471.8/24

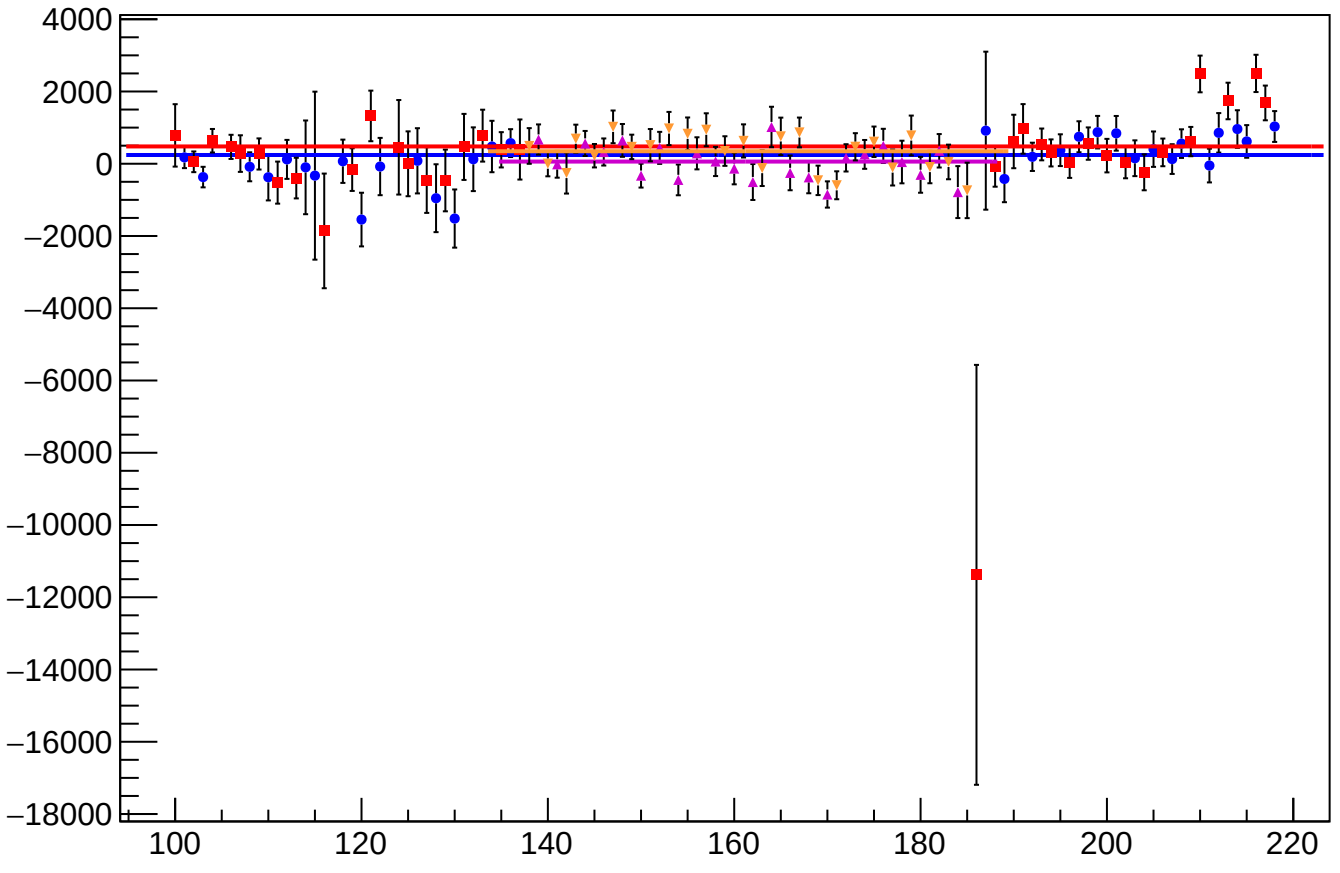
Right Out: 74.487+/-0.012 χ^2/NDF: 1183201.9/35

Left In: 72.092+/-0.012 χ^2/NDF:1058857.2/22

+ sign 72.682+/-0.008 χ^2/NDF: 1758658.5/56

All: 72.998+/-0.006 χ^2/NDF: 4023658.3/115

- sign 73.329+/-0.008 χ^2/NDF: 2262022.2/58



Right In: 242.061+/-88.313 χ^2/NDF: 34.5/31

Left Out: 345.973+/-86.822 χ^2/NDF:28.9/24

Right Out: 478.886+/-85.043 χ^2/NDF: 70.0/35

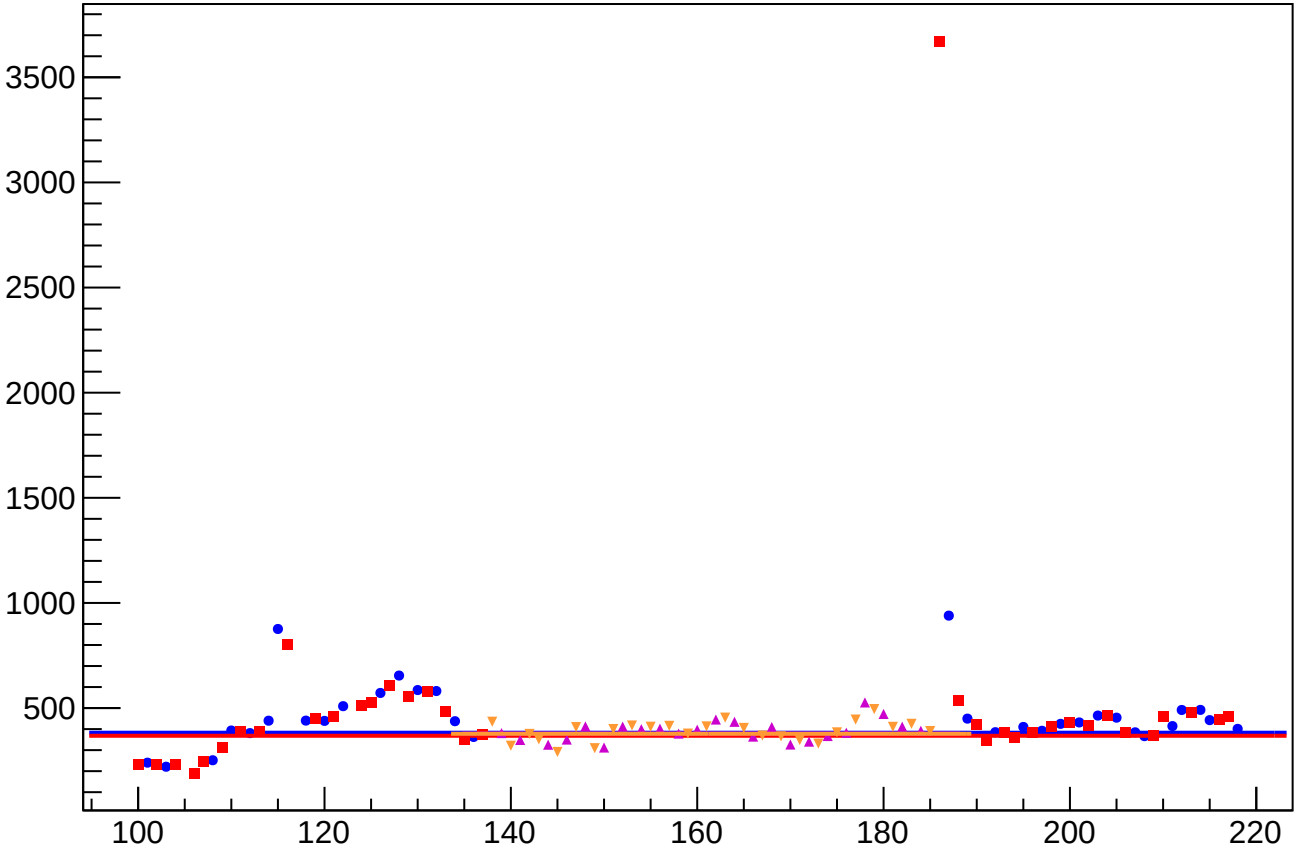
Left In: 59.908+/-89.411 χ^2/NDF:25.8/22

+ sign 294.902+/-61.913 χ^2/NDF: 64.1/56

All: 287.356+/-43.675 χ^2/NDF: 171.5/115

- sign 279.881+/-61.621 χ^2/NDF: 107.4/58

asym_sam_37_48_dd_dit_correction_rms vs Slug



Right In: 382.848+/-0.062 χ^2/NDF: 2507646.4/31

Left Out: 377.797+/-0.061 χ^2/NDF:636714.9/24

Right Out: 368.269+/-0.060 χ^2/NDF: 3582605.7/35

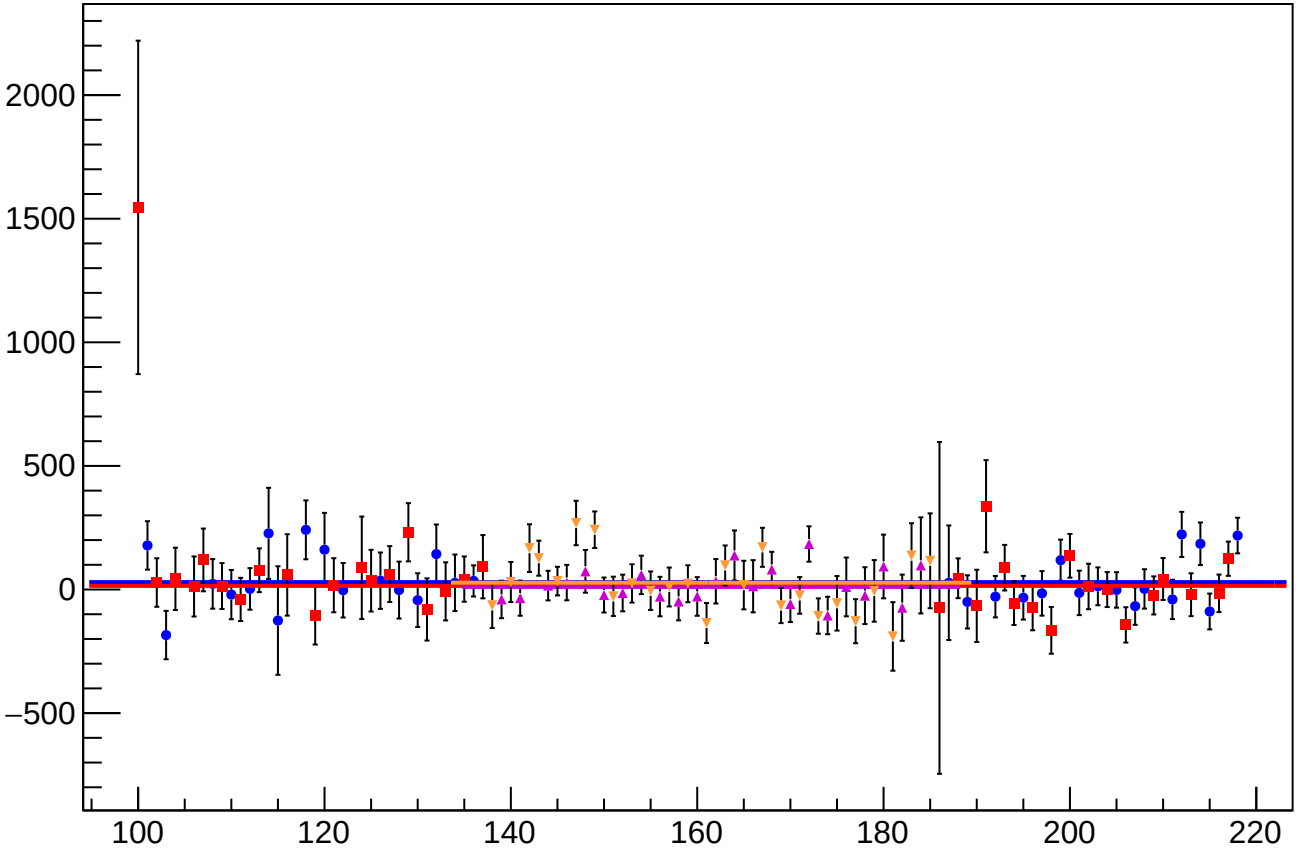
Left In: 378.869+/-0.063 χ^2/NDF:527685.1/22

+ sign 380.279+/-0.044 χ^2/NDF: 3147688.6/56

All: 376.775+/-0.031 χ^2/NDF: 7285492.5/115

- sign 373.304+/-0.044 χ^2/NDF: 4125050.0/58

eigen_dit_asym_sam_37_48_dd_mean vs Slug



Right In: 29.886+/-16.456 χ^2/NDF: 37.8/31

Left Out: 27.626+/-16.742 χ^2/NDF:42.4/24

Right Out: 14.719+/-16.673 χ^2/NDF: 32.1/35

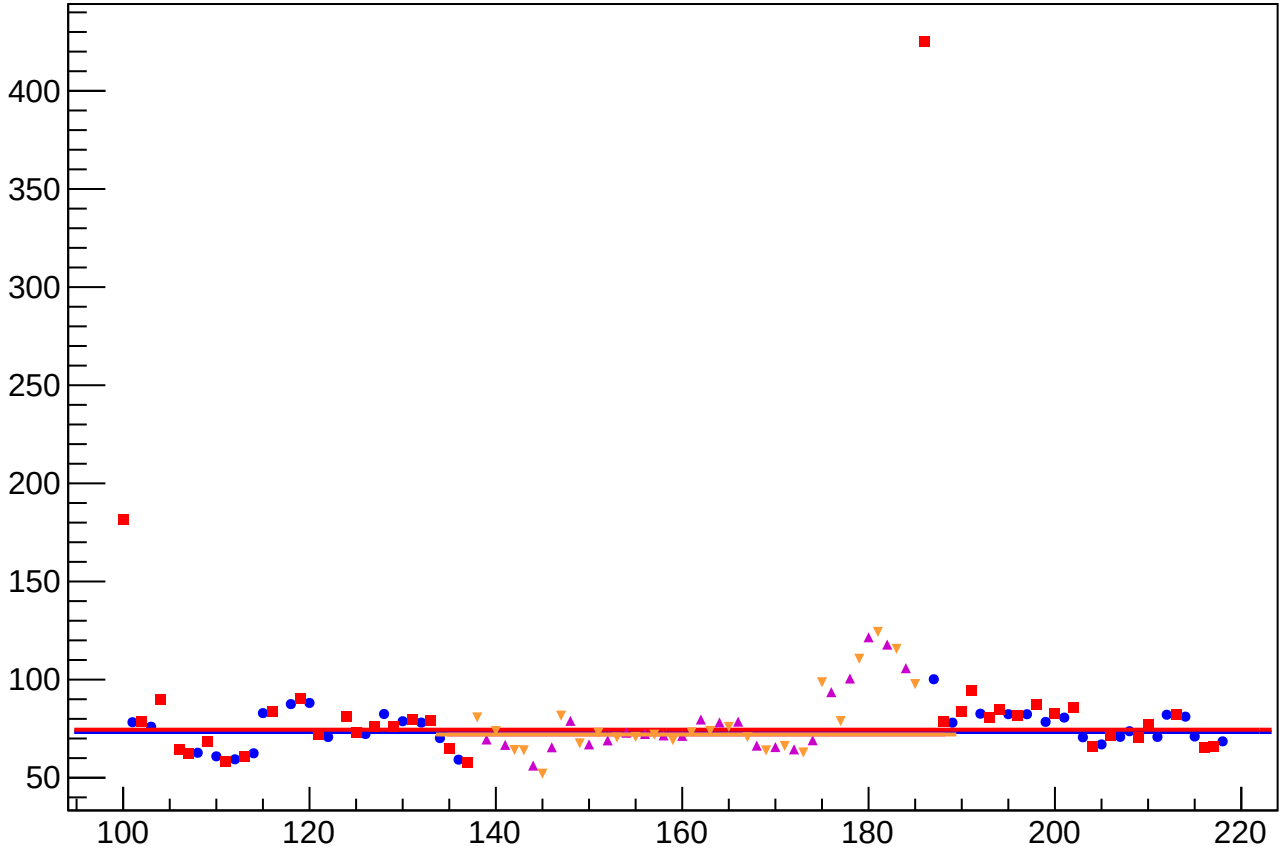
Left In: 10.521+/-17.225 χ^2/NDF:16.1/22

\+ sign 28.776+/-11.736 χ^2/NDF: 80.1/56

All: 20.898+/-8.384 χ^2/NDF: 129.2/115

\- sign 12.688+/-11.980 χ^2/NDF: 48.2/58

eigen_dit_asym_sam_37_48_dd_rms vs Slug



Right In: 73.301+/-0.012 χ^2/NDF: 483420.6/31

Left Out: 72.041+/-0.012 χ^2/NDF:1269479.1/24

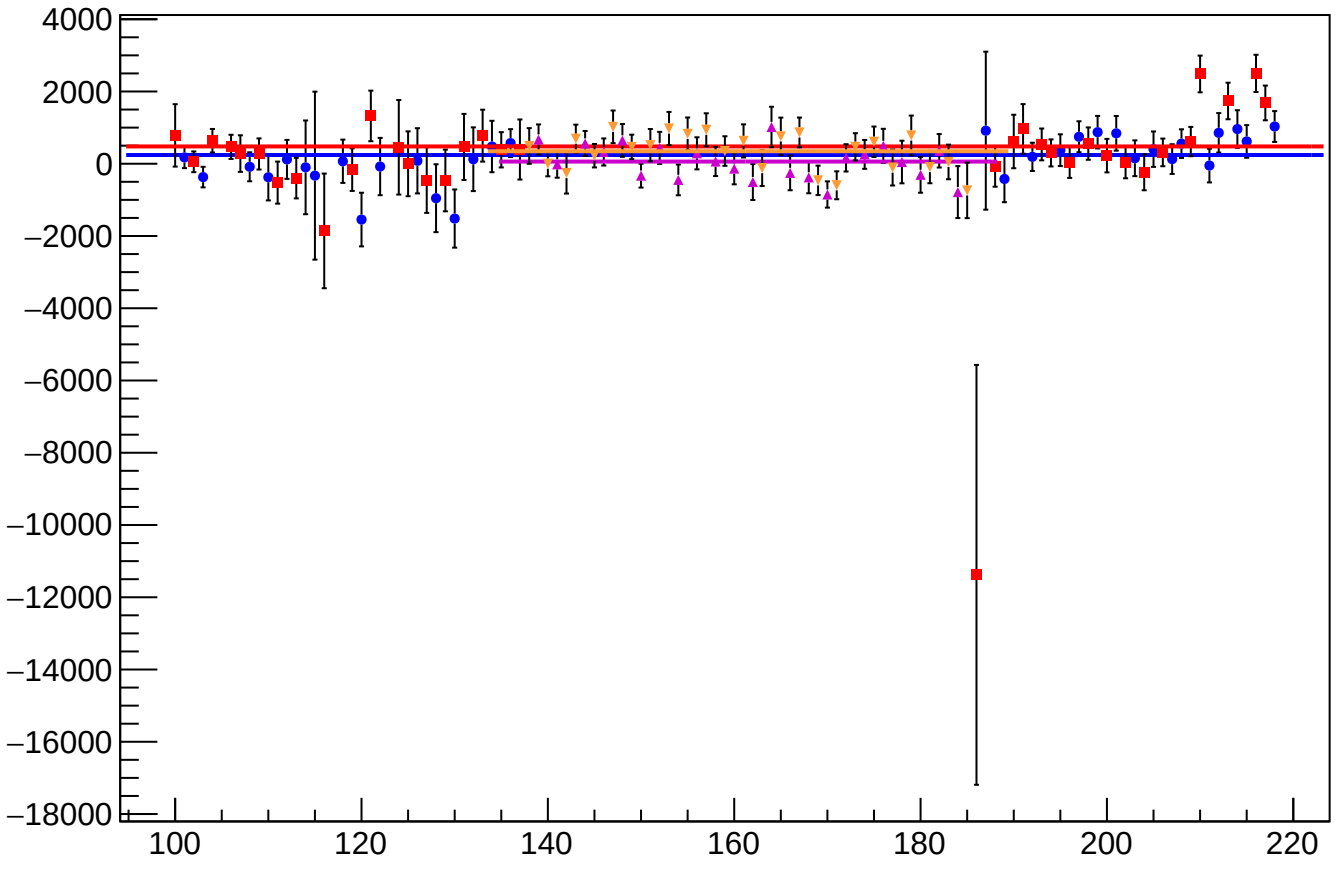
Right Out: 74.487+/-0.012 χ^2/NDF: 1183196.1/35

Left In: 72.092+/-0.012 χ^2/NDF:1058847.4/22

+ sign 72.681+/-0.008 χ^2/NDF: 1758660.6/56

All: 72.998+/-0.006 χ^2/NDF: 4023645.0/115

- sign 73.329+/-0.008 χ^2/NDF: 2262006.7/58



Right In: 242.061+/-88.313 χ^2/NDF: 34.5/31

Left Out: 345.972+/-86.822 χ^2/NDF:28.9/24

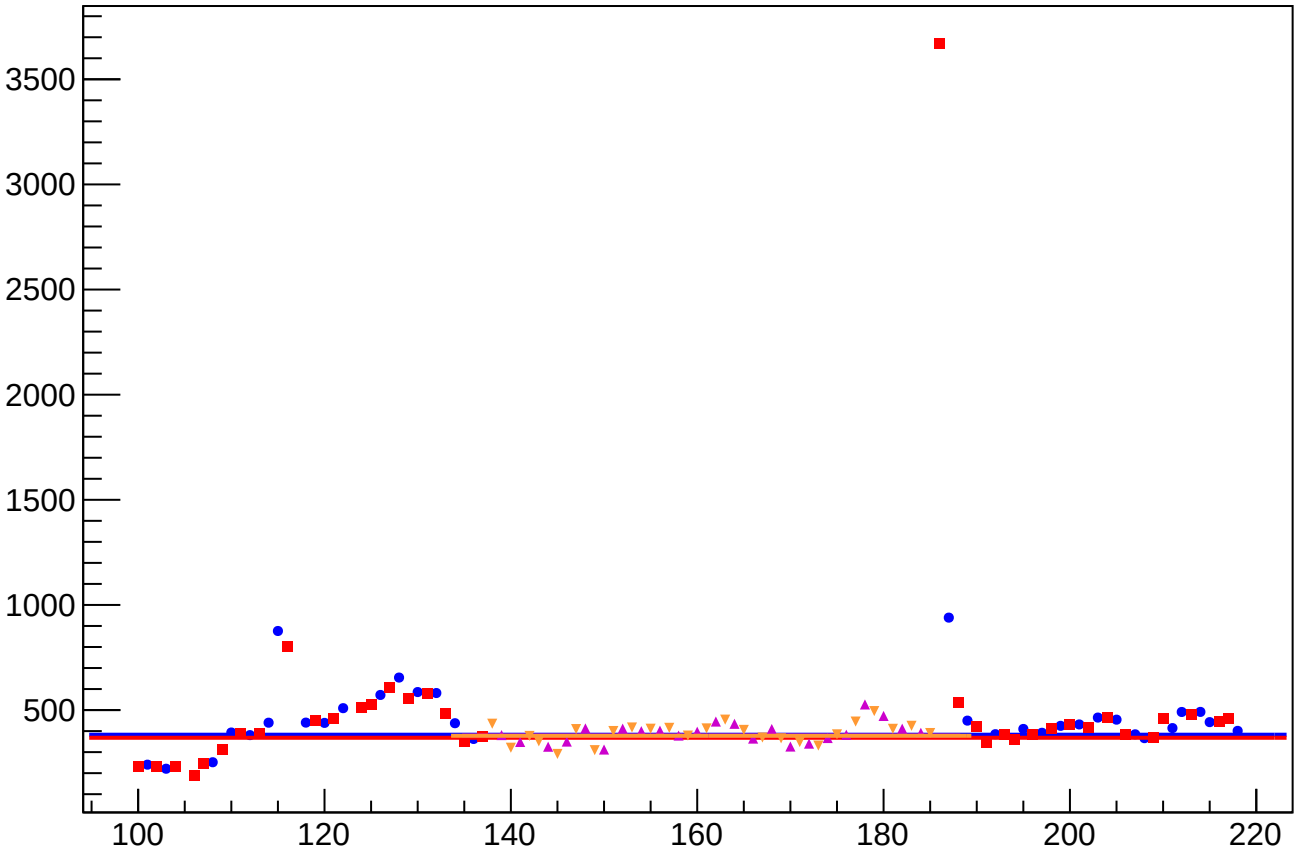
Right Out: 478.886+/-85.043 χ^2/NDF: 70.0/35

Left In: 59.907+/-89.411 χ^2/NDF:25.8/22

+ sign 294.901+/-61.913 χ^2/NDF: 64.1/56

All: 287.355+/-43.675 χ^2/NDF: 171.5/115

- sign 279.881+/-61.621 χ^2/NDF: 107.4/58



Right In: 382.848+/-0.062 χ^2/NDF: 2507631.4/31

Left Out: 377.796+/-0.061 χ^2/NDF:636714.9/24

Right Out: 368.269+/-0.060 χ^2/NDF: 3582591.4/35

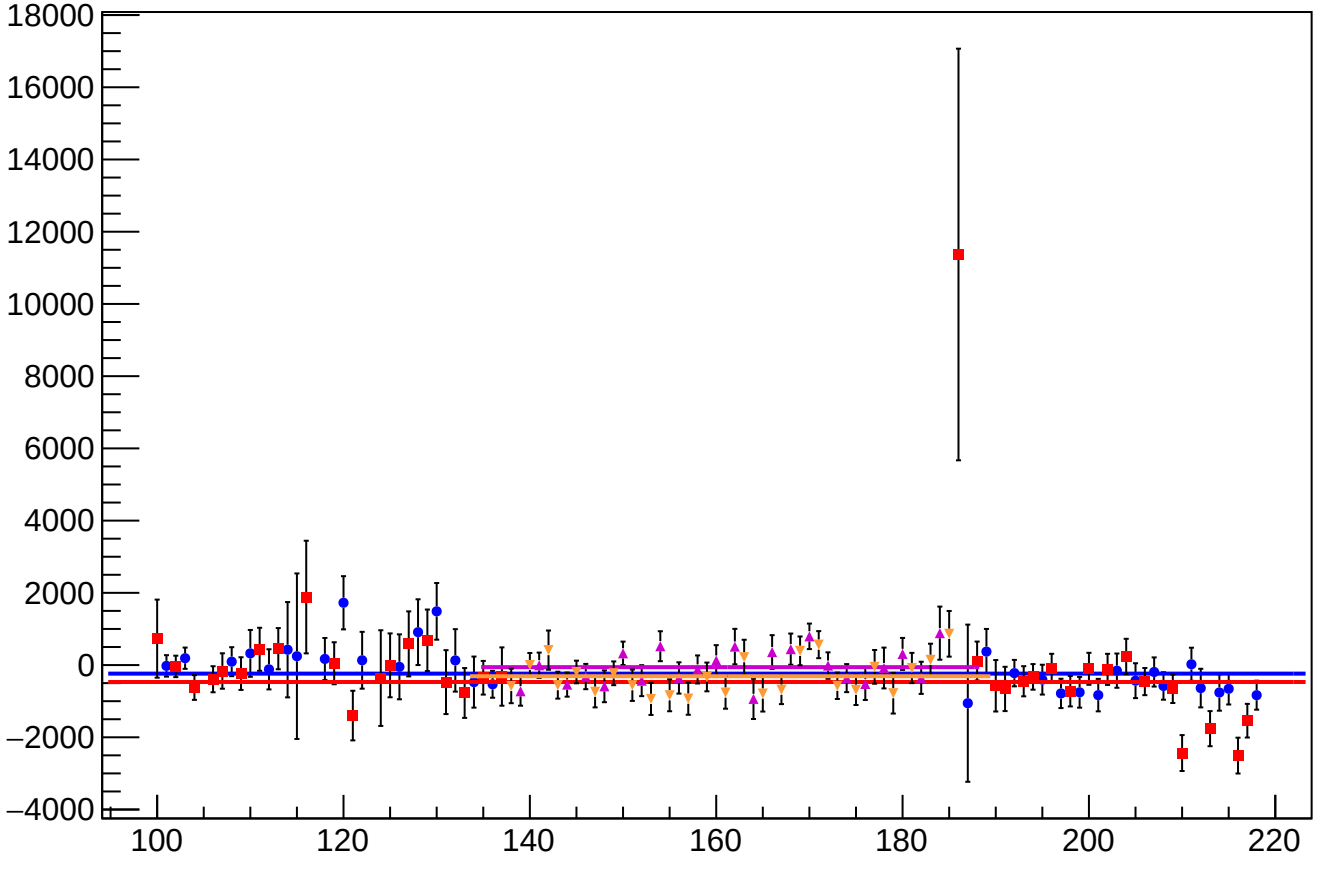
Left In: 378.869+/-0.063 χ^2/NDF:527680.9/22

+ sign 380.279+/-0.044 χ^2/NDF: 3147674.1/56

All: 376.775+/-0.031 χ^2/NDF: 7285459.2/115

- sign 373.304+/-0.044 χ^2/NDF: 4125031.1/58

asym_sam_37_48_dd_mean vs Slug



Right In: -236.947+/-86.201 χ^2/NDF: 32.0/31

Left Out: -309.330+/-83.706 χ^2/NDF:30.0/24

Right Out: -468.904+/-84.057 χ^2/NDF: 73.4/35

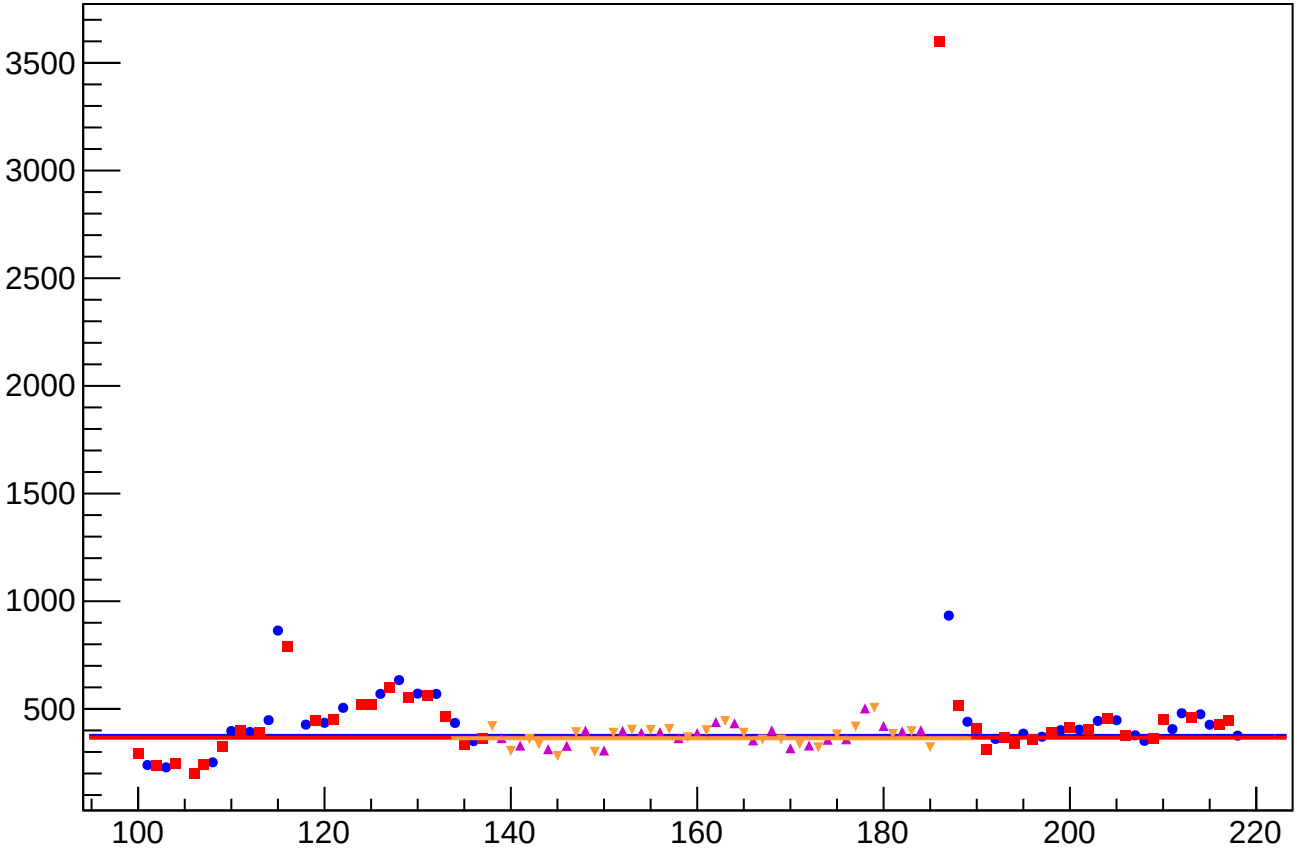
Left In: -57.543+/-86.225 χ^2/NDF:28.0/22

\+ sign -274.201+/-60.052 χ^2/NDF: 62.3/56

All: -271.337+/-42.511 χ^2/NDF: 175.4/115

\- sign -268.460+/-60.189 χ^2/NDF: 113.1/58

asym_sam_37_48_dd_rms vs Slug



Right In: 374.657+/-0.061 χ^2/NDF: 2251679.5/31

Left Out: 363.714+/-0.059 χ^2/NDF:669244.7/24

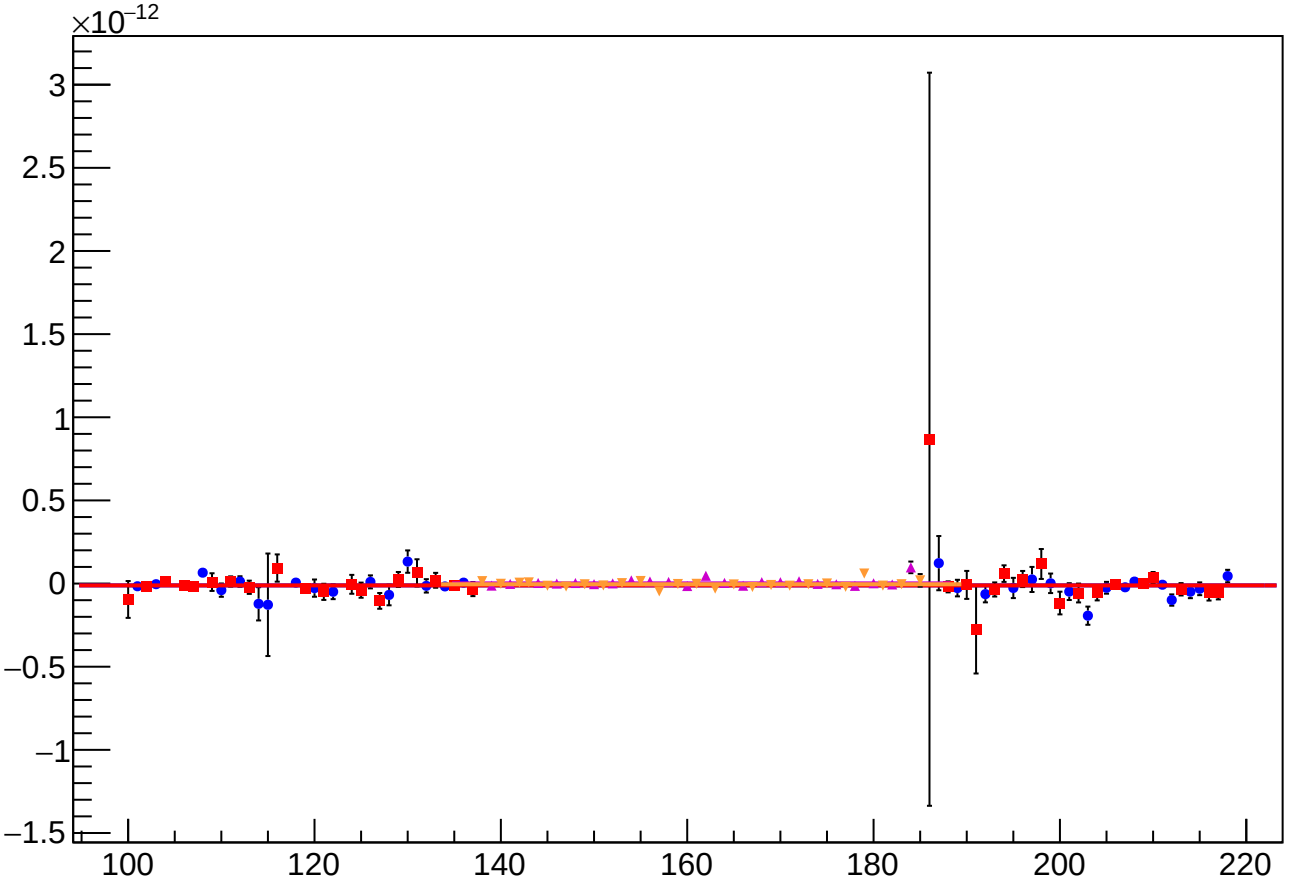
Right Out: 366.300+/-0.059 χ^2/NDF: 3057899.3/35

Left In: 365.324+/-0.061 χ^2/NDF:509496.4/22

+ sign 369.025+/-0.042 χ^2/NDF: 2937512.3/56

All: 367.428+/-0.030 χ^2/NDF: 6507873.0/115

- sign 365.825+/-0.043 χ^2/NDF: 3567527.2/58



Right In: -0.000+/-0.000 χ^2/NDF: 42.6/31

Left Out: -0.000+/-0.000 χ^2/NDF:21.9/24

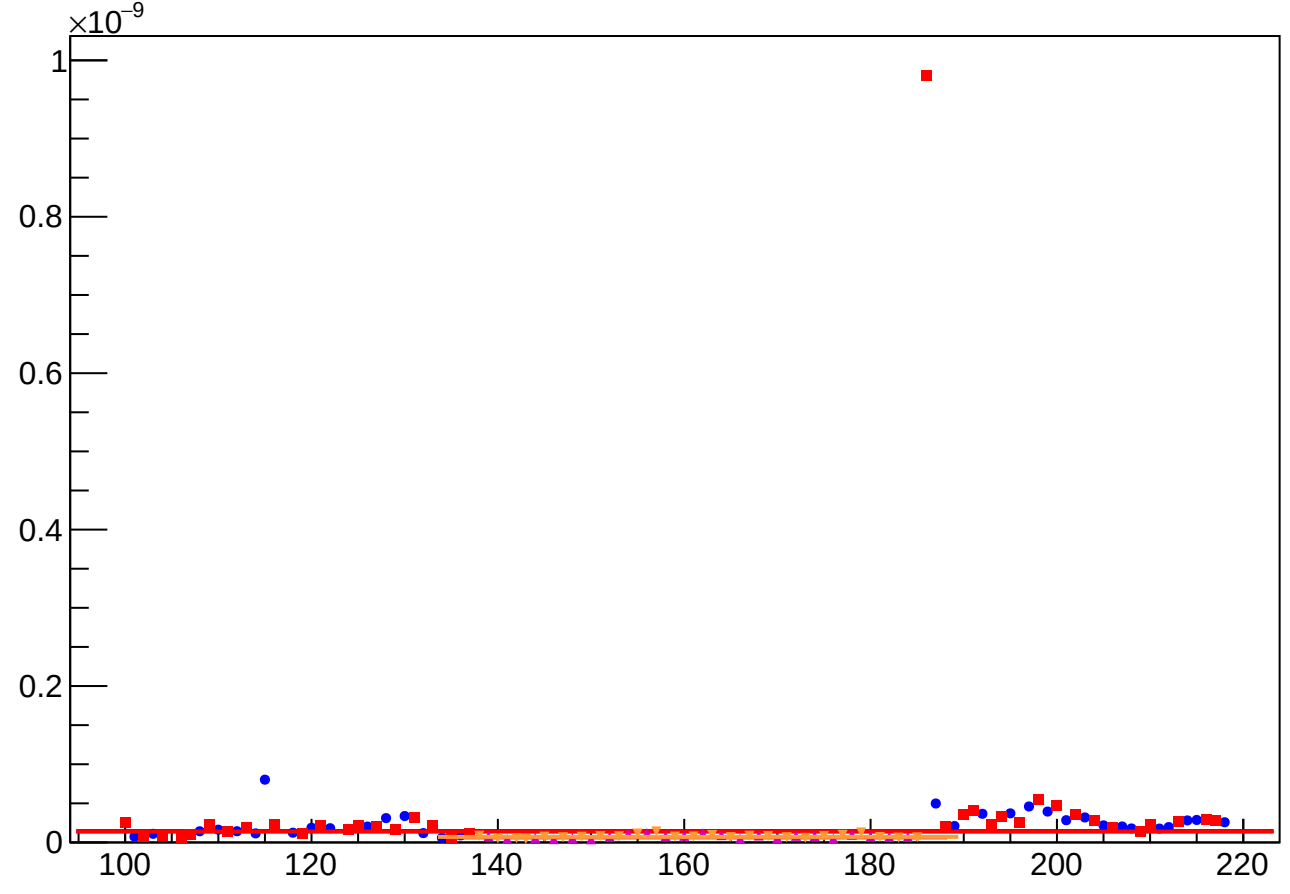
Right Out: -0.000+/-0.000 χ^2/NDF: 27.7/35

Left In: 0.000+/-0.000 χ^2/NDF:21.7/22

+ sign -0.000+/-0.000 χ^2/NDF: 65.7/56

All: -0.000+/-0.000 χ^2/NDF: 121.1/115

- sign -0.000+/-0.000 χ^2/NDF: 53.7/58



Right In: 0.000+/-0.000 χ^2/NDF: 4816780.3/31

Left Out: 0.000+/-0.000 χ^2/NDF:872904.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5588403.1/35

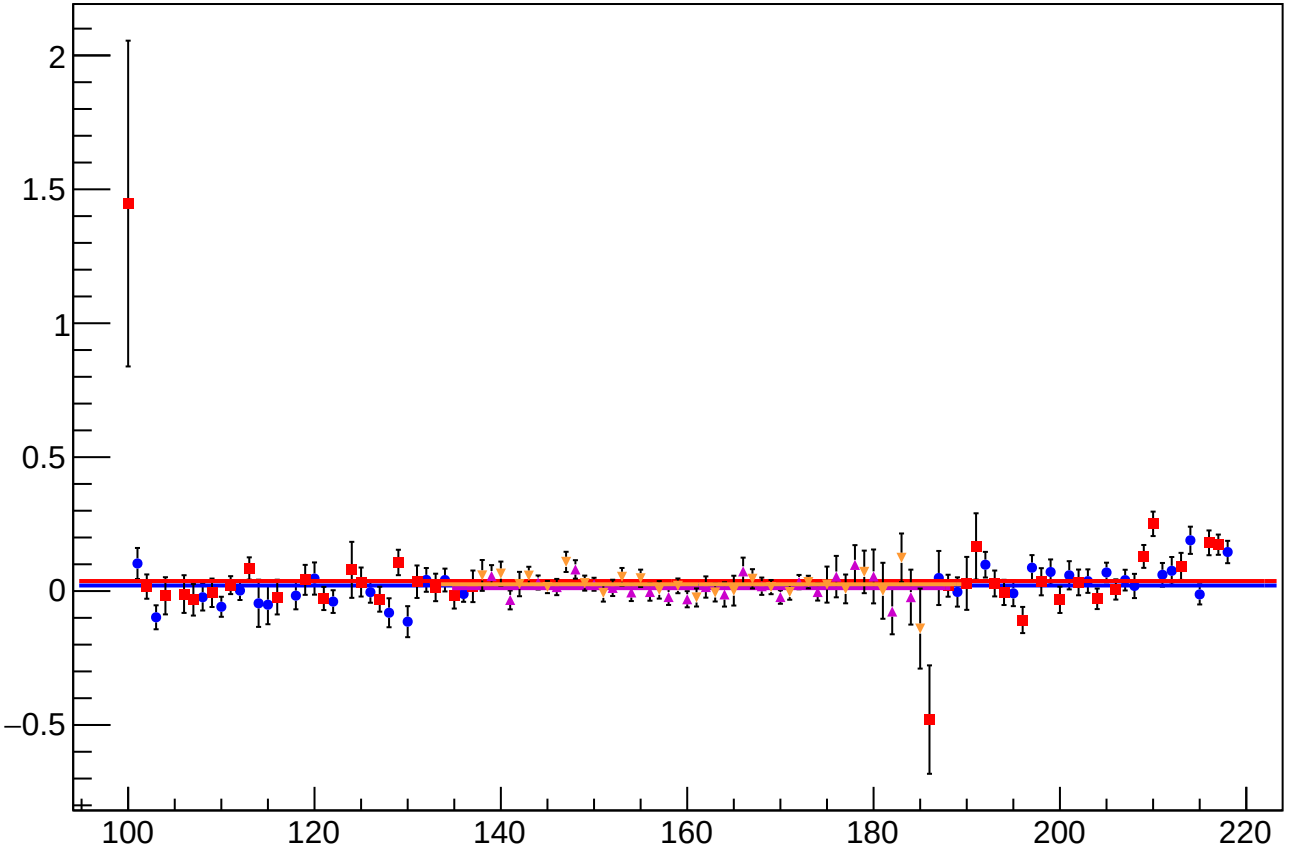
Left In: 0.000+/-0.000 χ^2/NDF:1216388.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 8624397.9/56

All: 0.000+/-0.000 χ^2/NDF: 18566666.6/115

- sign 0.000+/-0.000 χ^2/NDF: 9864273.0/58

asym_sam_37_48_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.021+/-0.008 χ^2/NDF: 61.8/31

Left Out: 0.025+/-0.007 χ^2/NDF:17.4/24

Right Out: 0.038+/-0.008 χ^2/NDF: 92.9/35

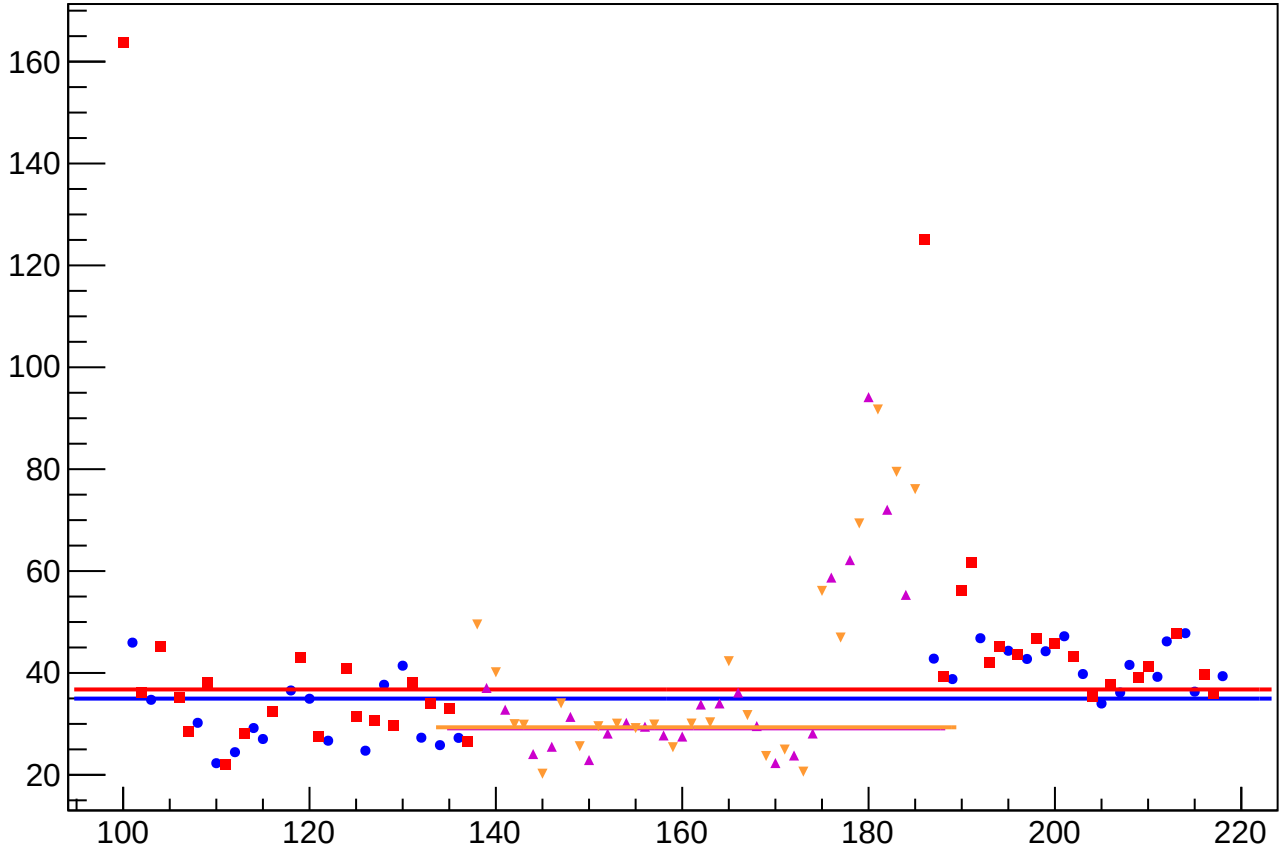
Left In: 0.011+/-0.007 χ^2/NDF:19.0/22

+ sign 0.023+/-0.005 χ^2/NDF: 79.4/56

All: 0.023+/-0.004 χ^2/NDF: 197.1/115

- sign 0.022+/-0.006 χ^2/NDF: 117.6/58

asym_sam_37_48_dd_dit_vs_cor_diff_rms vs Slug



Right In: 34.966+/-0.006 χ^2/NDF: 1862609.6/31

Left Out: 29.335+/-0.005 χ^2/NDF:3874774.5/24

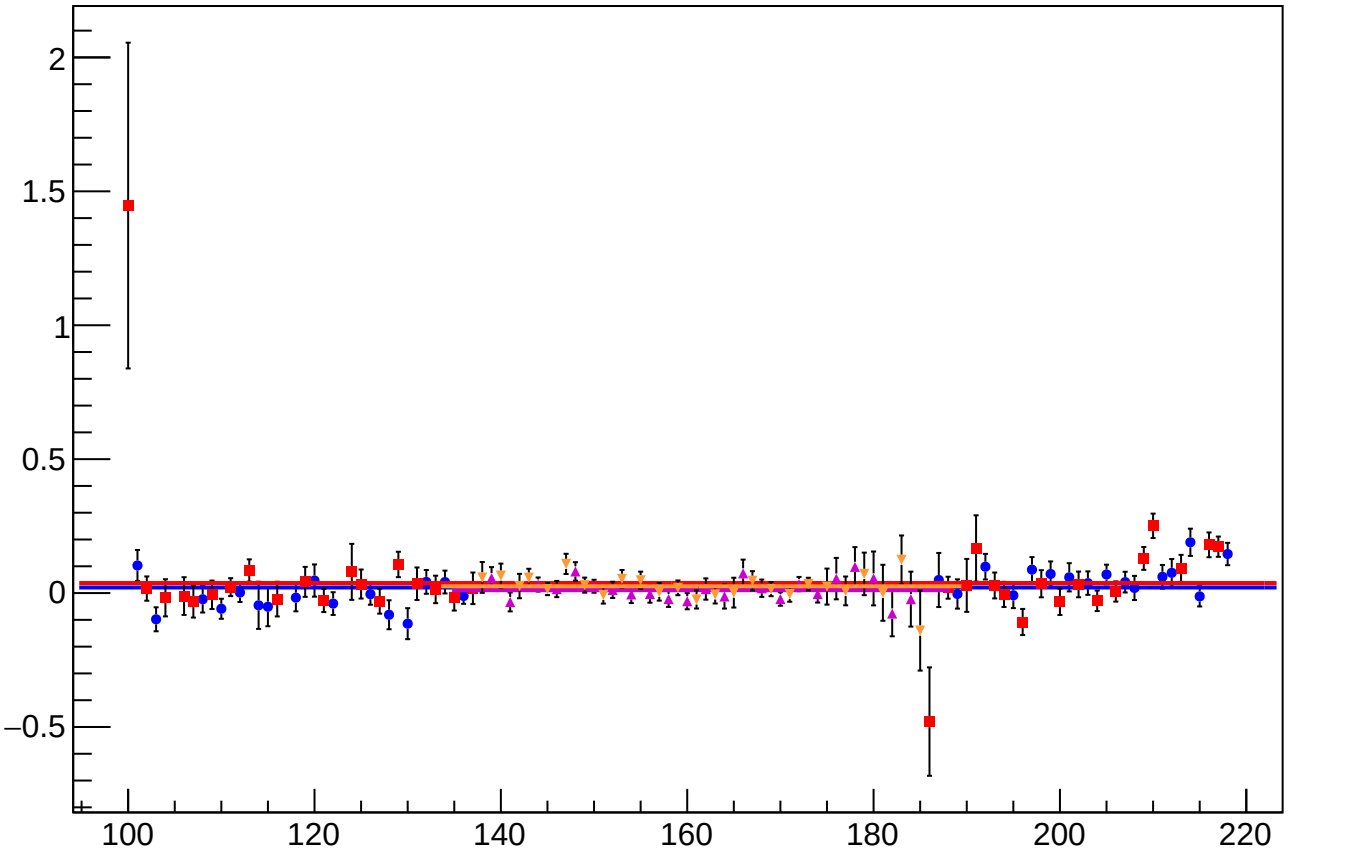
Right Out: 36.764+/-0.006 χ^2/NDF: 1925125.4/35

Left In: 29.125+/-0.005 χ^2/NDF:2839115.6/22

+ sign 31.819+/-0.004 χ^2/NDF: 6280413.4/56

All: 32.103+/-0.003 χ^2/NDF: 11997085.5/115

- sign 32.403+/-0.004 χ^2/NDF: 5705142.3/58



Right In: 0.021+/-0.008 χ^2/NDF: 61.8/31

Left Out: 0.025+/-0.007 χ^2/NDF:17.4/24

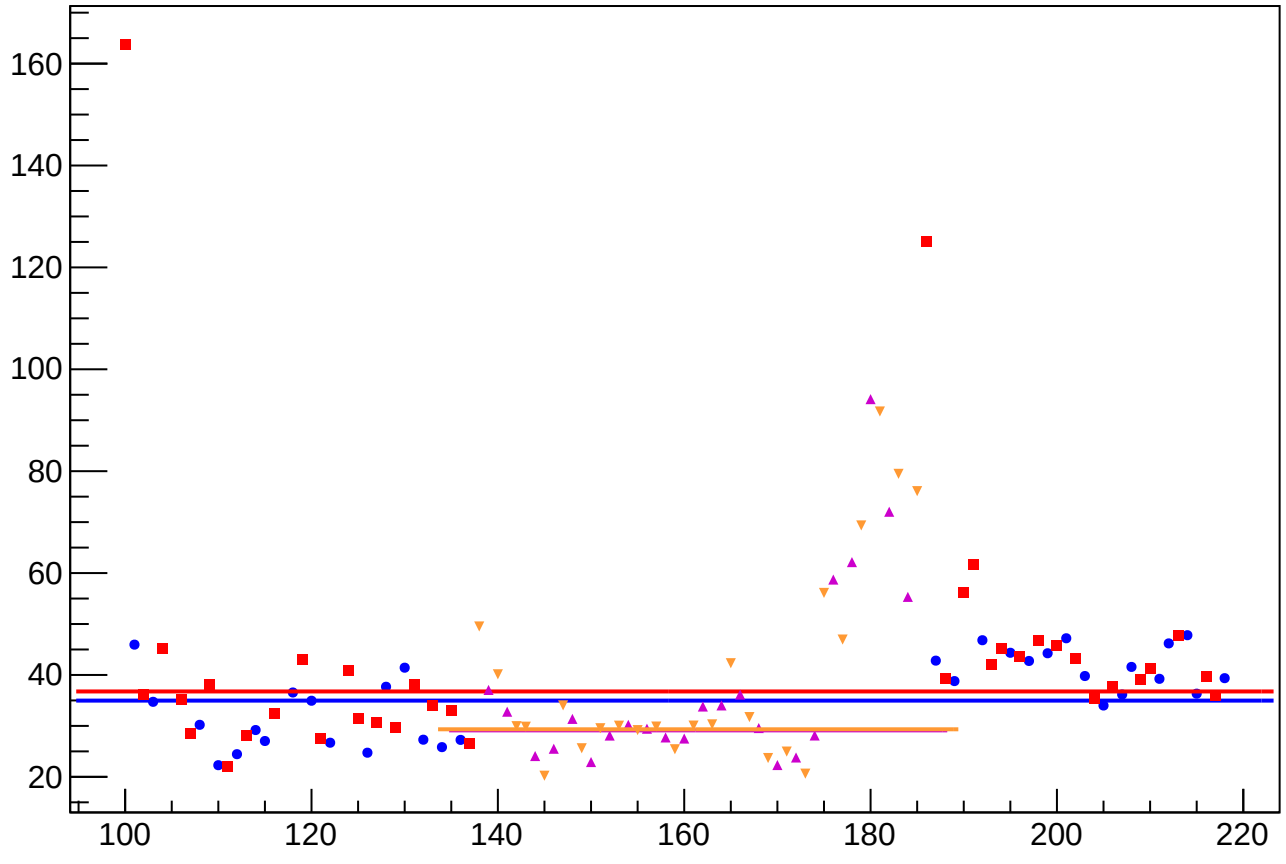
Right Out: 0.038+/-0.008 χ^2/NDF: 92.9/35

Left In: 0.011+/-0.007 χ^2/NDF:19.0/22

+ sign 0.023+/-0.005 χ^2/NDF: 79.4/56

All: 0.023+/-0.004 χ^2/NDF: 197.1/115

- sign 0.022+/-0.006 χ^2/NDF: 117.6/58



Right In: 34.966+/-0.006 χ^2/NDF: 1862609.6/31

Left Out: 29.335+/-0.005 χ^2/NDF:3874774.5/24

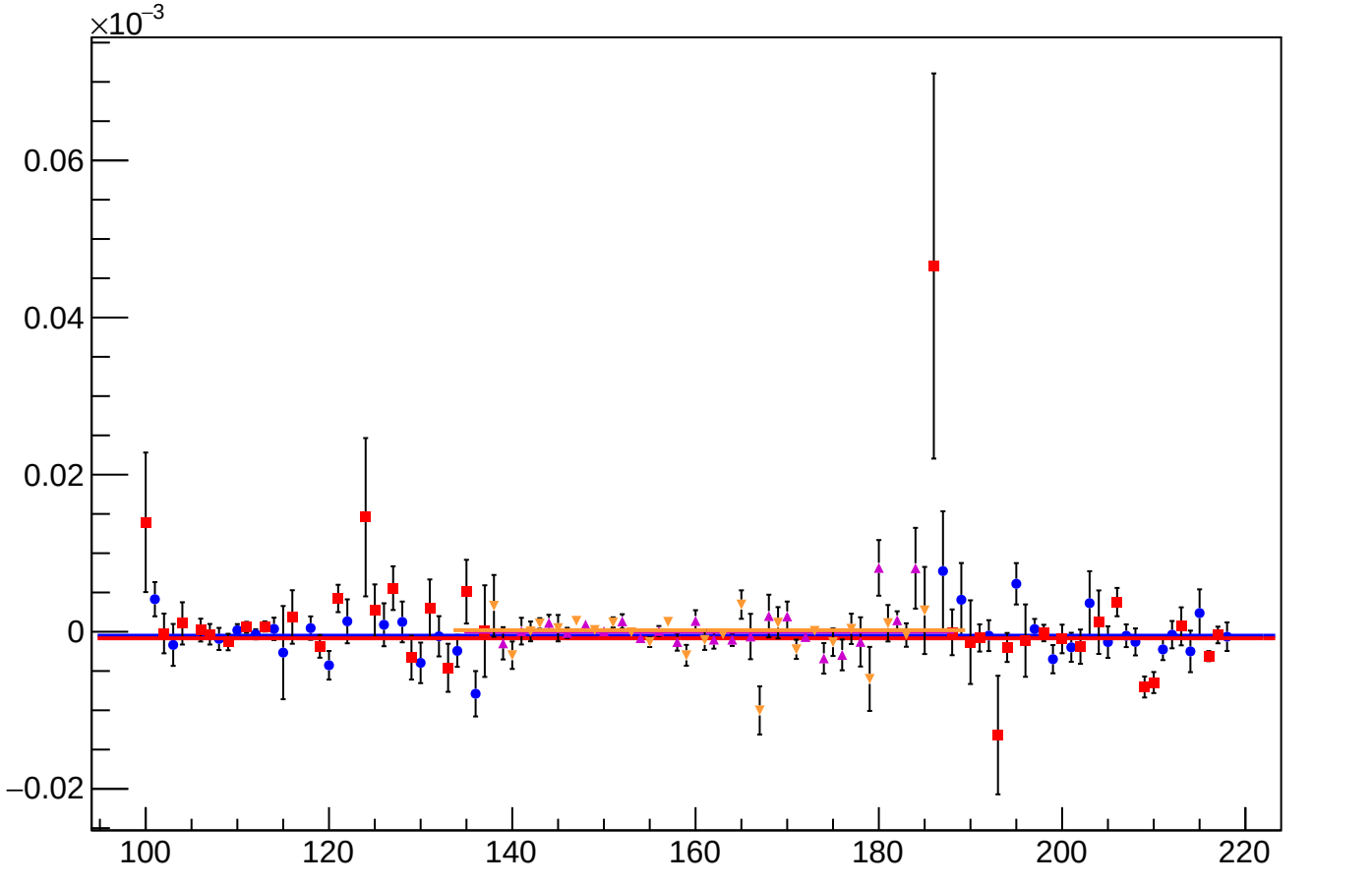
Right Out: 36.764+/-0.006 χ^2/NDF: 1925125.4/35

Left In: 29.125+/-0.005 χ^2/NDF:2839115.6/22

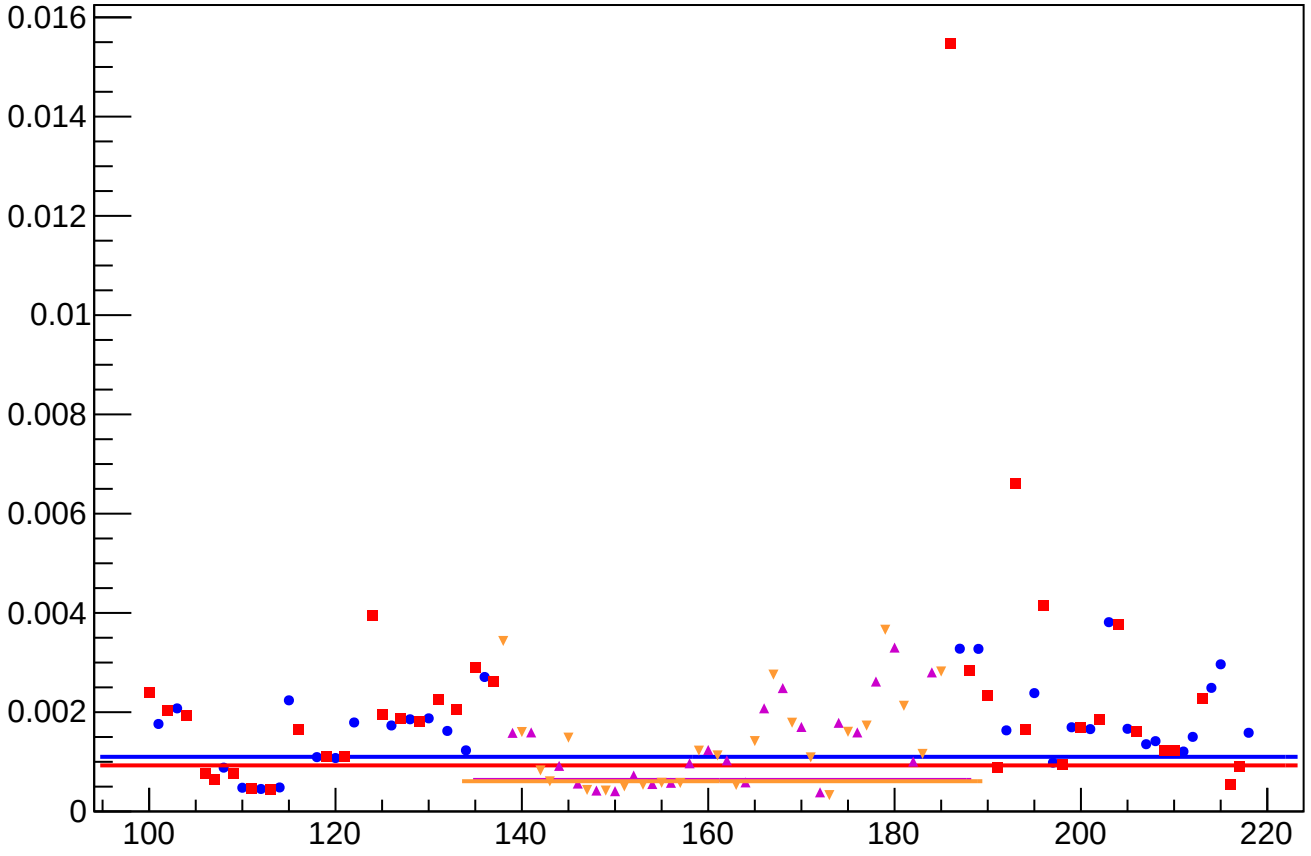
+ sign 31.819+/-0.004 χ^2/NDF: 6280413.4/56

All: 32.103+/-0.003 χ^2/NDF: 11997085.5/115

- sign 32.403+/-0.004 χ^2/NDF: 5705142.3/58


asym_sam_37_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
200
220
Right In: -0.000+/-0.000 χ²/NDF: 38.1/31
Left Out: 0.000+/-0.000 χ²/NDF:52.6/24
Right Out: -0.000+/-0.000 χ²/NDF: 104.3/35
Left In: 0.000+/-0.000 χ²/NDF:32.9/22
+ sign 0.000+/-0.000 χ²/NDF: 95.0/56
All: -0.000+/-0.000 χ²/NDF: 241.5/115
- sign -0.000+/-0.000 χ²/NDF: 144.3/58

asym_sam_37_48_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 9944910.1/31

Left Out: 0.001+/-0.000 χ^2/NDF:10964161.2/24

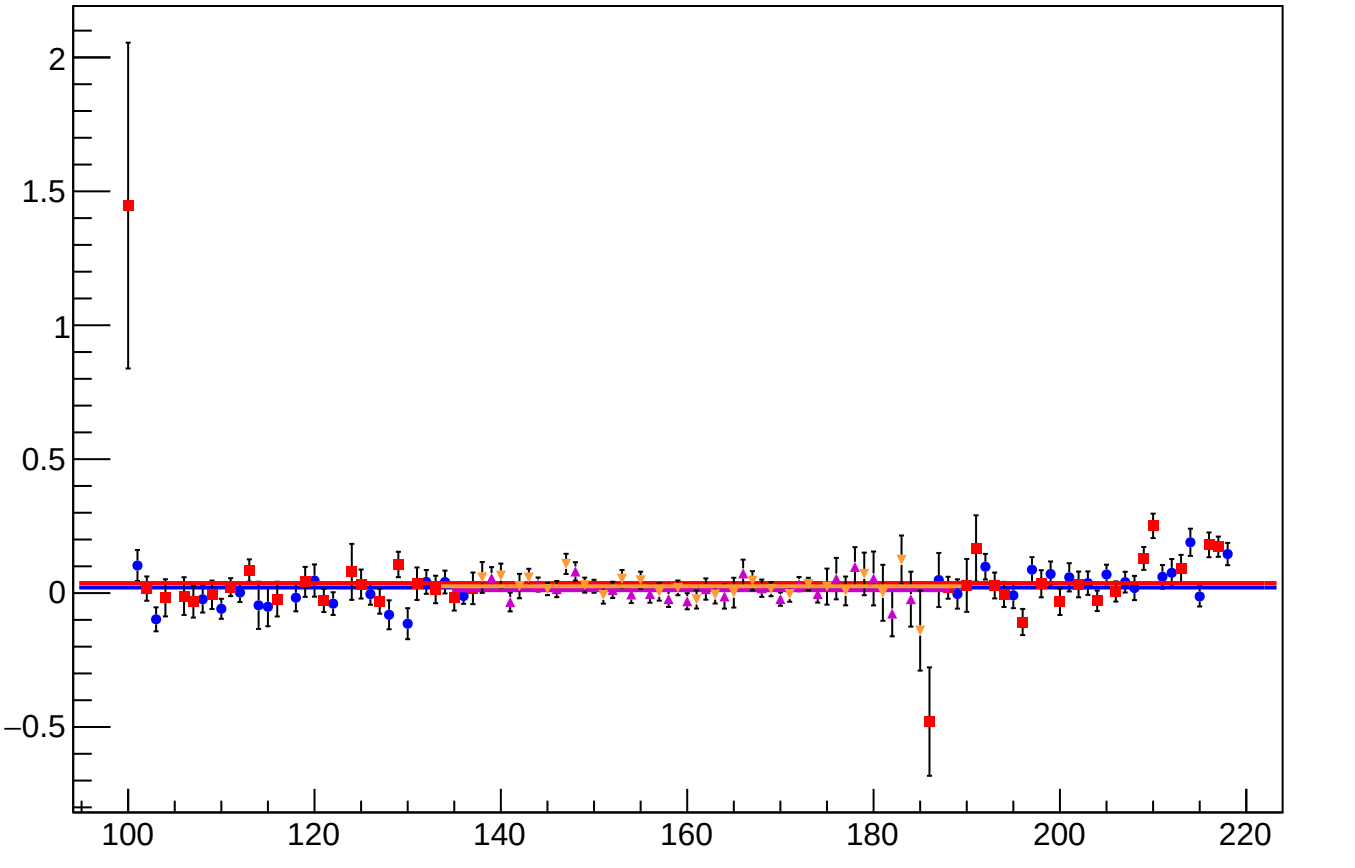
Right Out: 0.001+/-0.000 χ^2/NDF: 12628301.1/35

Left In: 0.001+/-0.000 χ^2/NDF:9376124.7/22

+ sign 0.001+/-0.000 χ^2/NDF: 25099307.4/56

All: 0.001+/-0.000 χ^2/NDF: 48864020.1/115

- sign 0.001+/-0.000 χ^2/NDF: 23764044.4/58



Right In: 0.021+/-0.008 χ^2/NDF: 61.8/31

Left Out: 0.025+/-0.007 χ^2/NDF:17.4/24

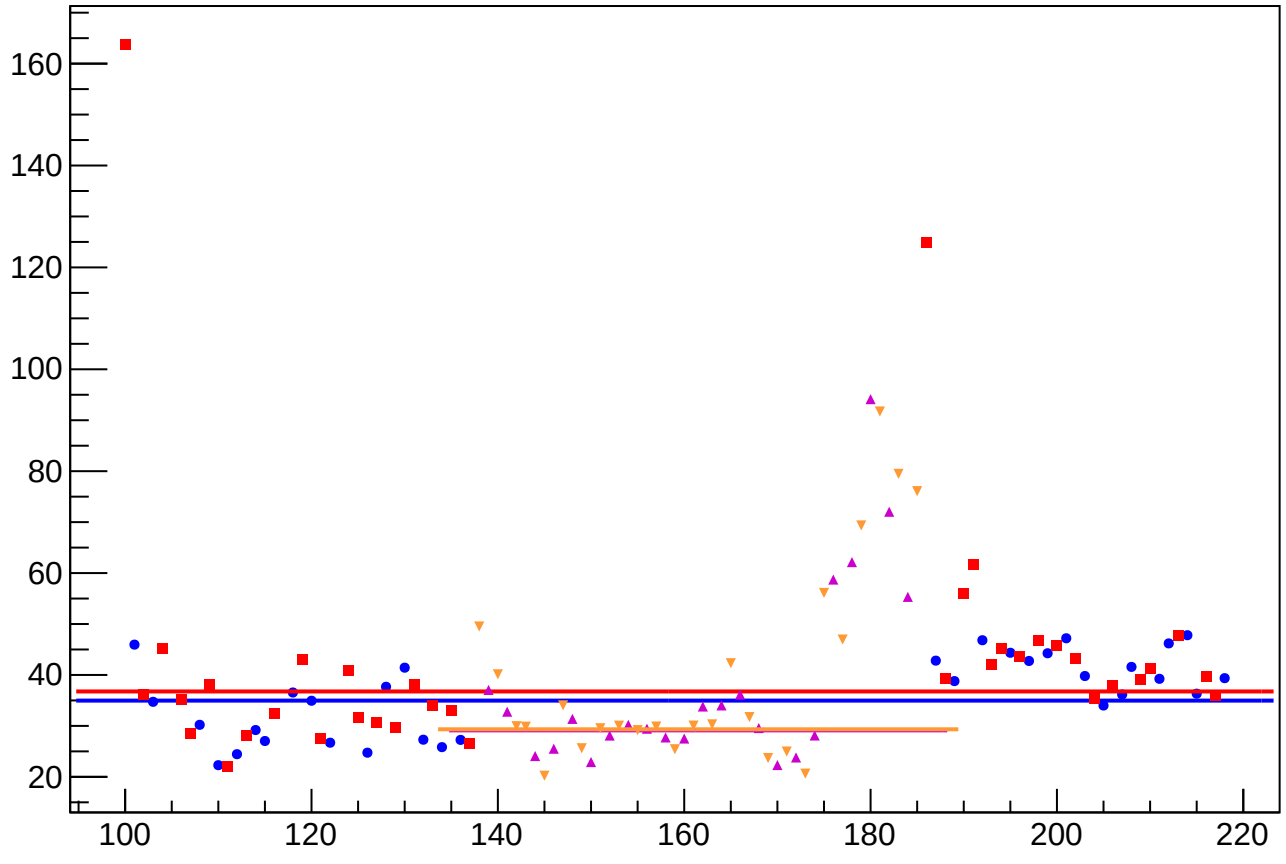
Right Out: 0.038+/-0.008 χ^2/NDF: 92.9/35

Left In: 0.011+/-0.007 χ^2/NDF:19.0/22

+ sign 0.023+/-0.005 χ^2/NDF: 79.4/56

All: 0.023+/-0.004 χ^2/NDF: 197.0/115

- sign 0.022+/-0.006 χ^2/NDF: 117.6/58



Right In: 34.966+/-0.006 χ^2/NDF: 1862508.4/31

Left Out: 29.334+/-0.005 χ^2/NDF:3874839.0/24

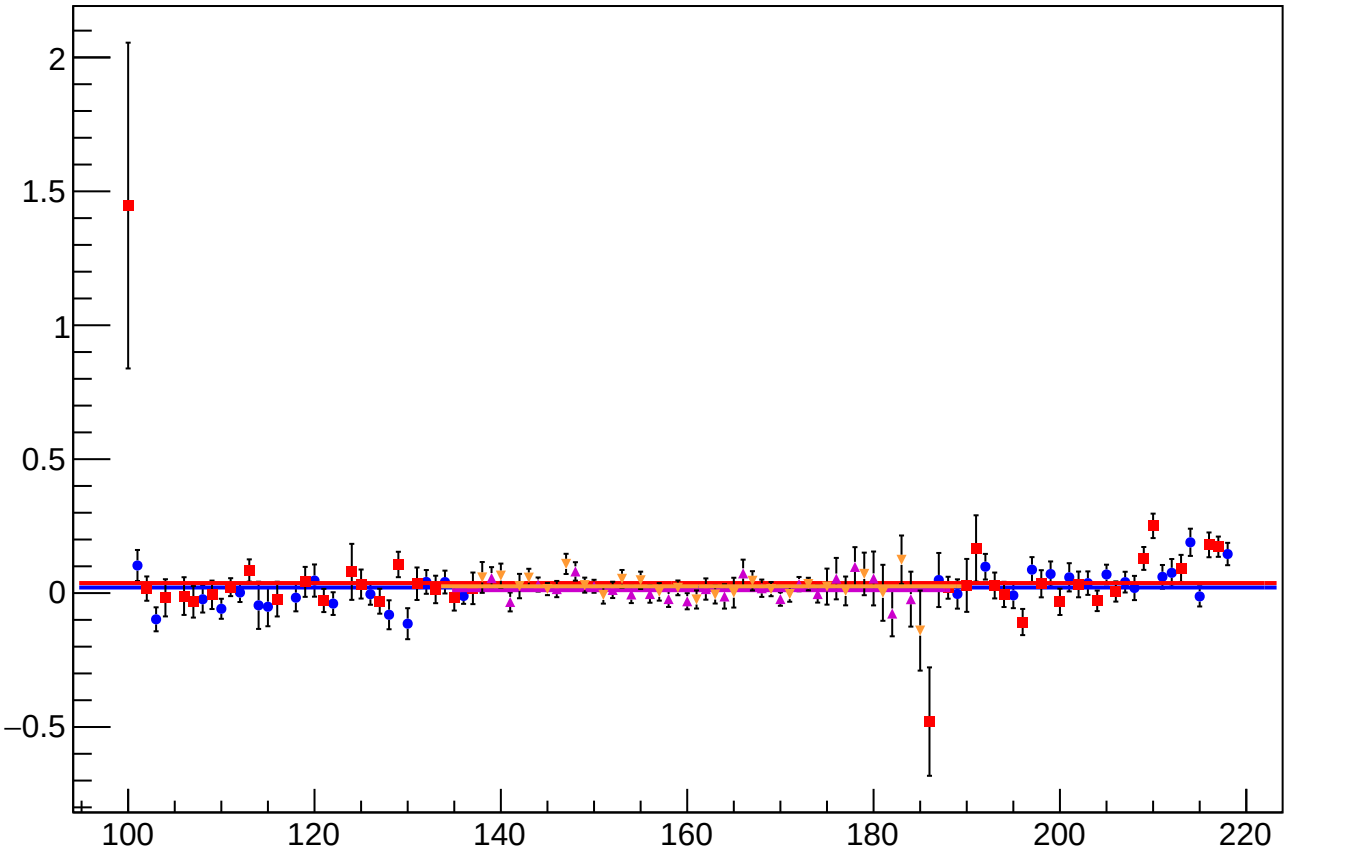
Right Out: 36.764+/-0.006 χ^2/NDF: 1924999.9/35

Left In: 29.124+/-0.005 χ^2/NDF:2839078.4/22

+ sign 31.819+/-0.004 χ^2/NDF: 6280406.8/56

All: 32.103+/-0.003 χ^2/NDF: 11996978.6/115

- sign 32.403+/-0.004 χ^2/NDF: 5705039.4/58



Right In: 0.021+/-0.008 χ^2/NDF: 61.8/31

Left Out: 0.025+/-0.007 χ^2/NDF:17.4/24

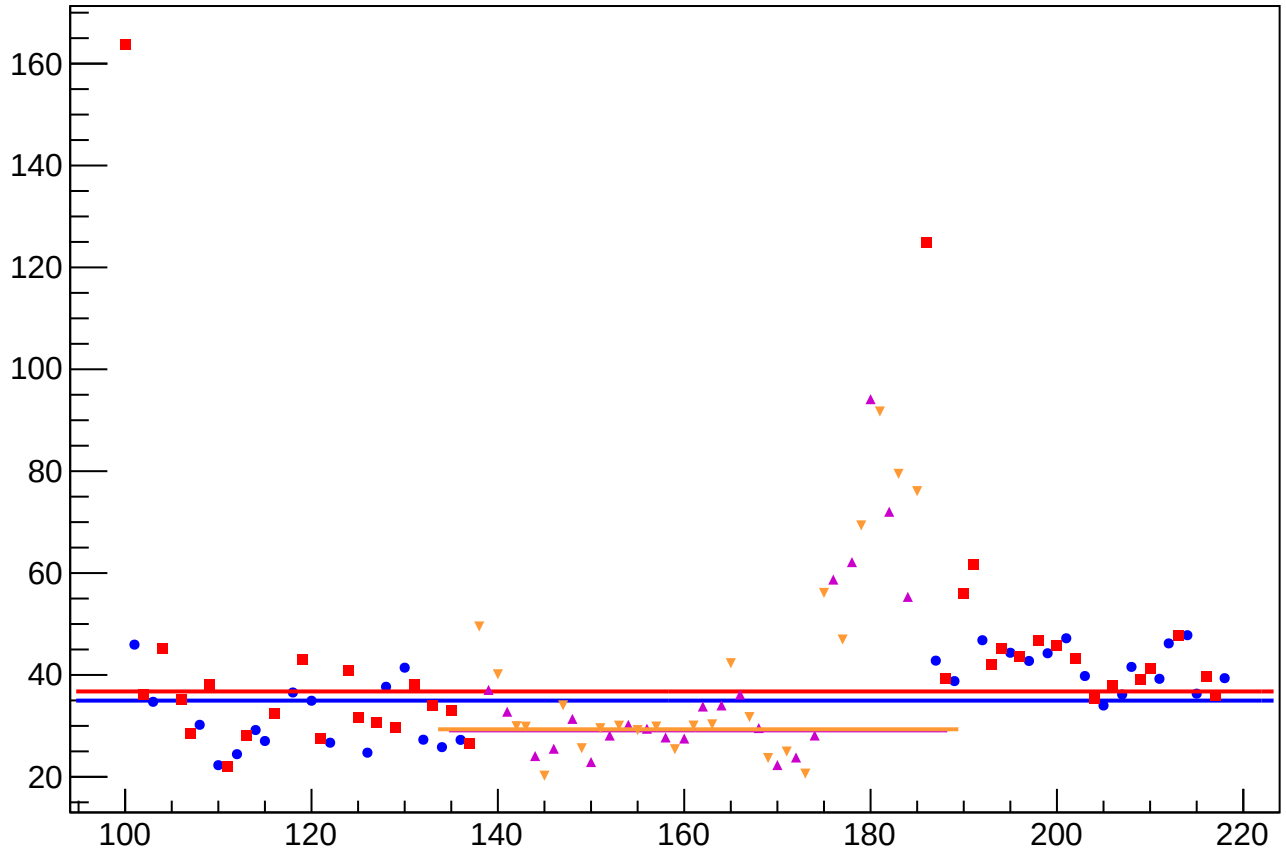
Right Out: 0.038+/-0.008 χ^2/NDF: 92.9/35

Left In: 0.011+/-0.007 χ^2/NDF:19.0/22

+ sign 0.023+/-0.005 χ^2/NDF: 79.4/56

All: 0.023+/-0.004 χ^2/NDF: 197.0/115

- sign 0.022+/-0.006 χ^2/NDF: 117.6/58



Right In: 34.966+/-0.006 χ^2/NDF: 1862508.4/31

Left Out: 29.334+/-0.005 χ^2/NDF:3874839.0/24

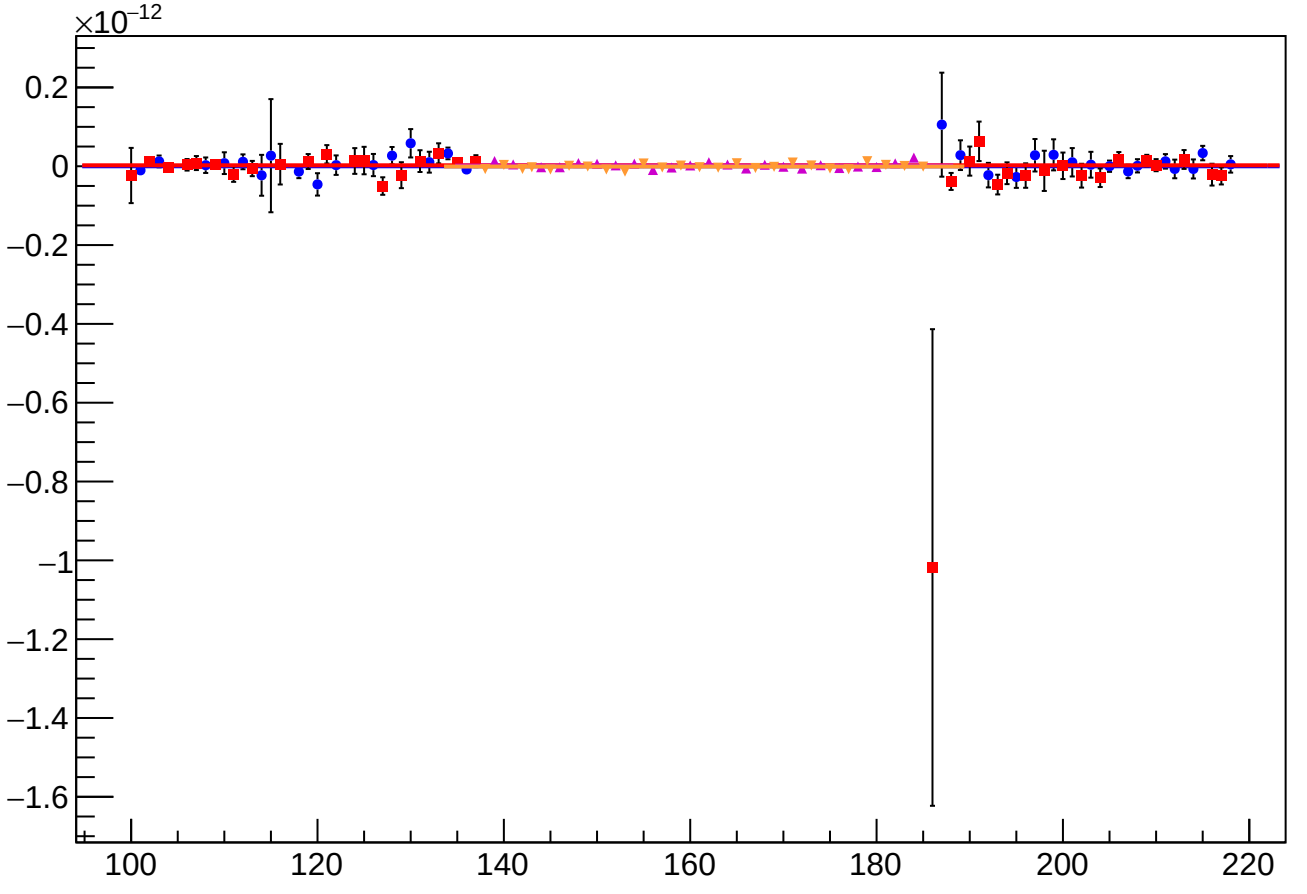
Right Out: 36.764+/-0.006 χ^2/NDF: 1924999.9/35

Left In: 29.124+/-0.005 χ^2/NDF:2839078.4/22

+ sign 31.819+/-0.004 χ^2/NDF: 6280406.8/56

All: 32.103+/-0.003 χ^2/NDF: 11996978.6/115

- sign 32.403+/-0.004 χ^2/NDF: 5705039.4/58



Right In: -0.000+/-0.000 χ^2/NDF: 25.5/31

Left Out: -0.000+/-0.000 χ^2/NDF:15.1/24

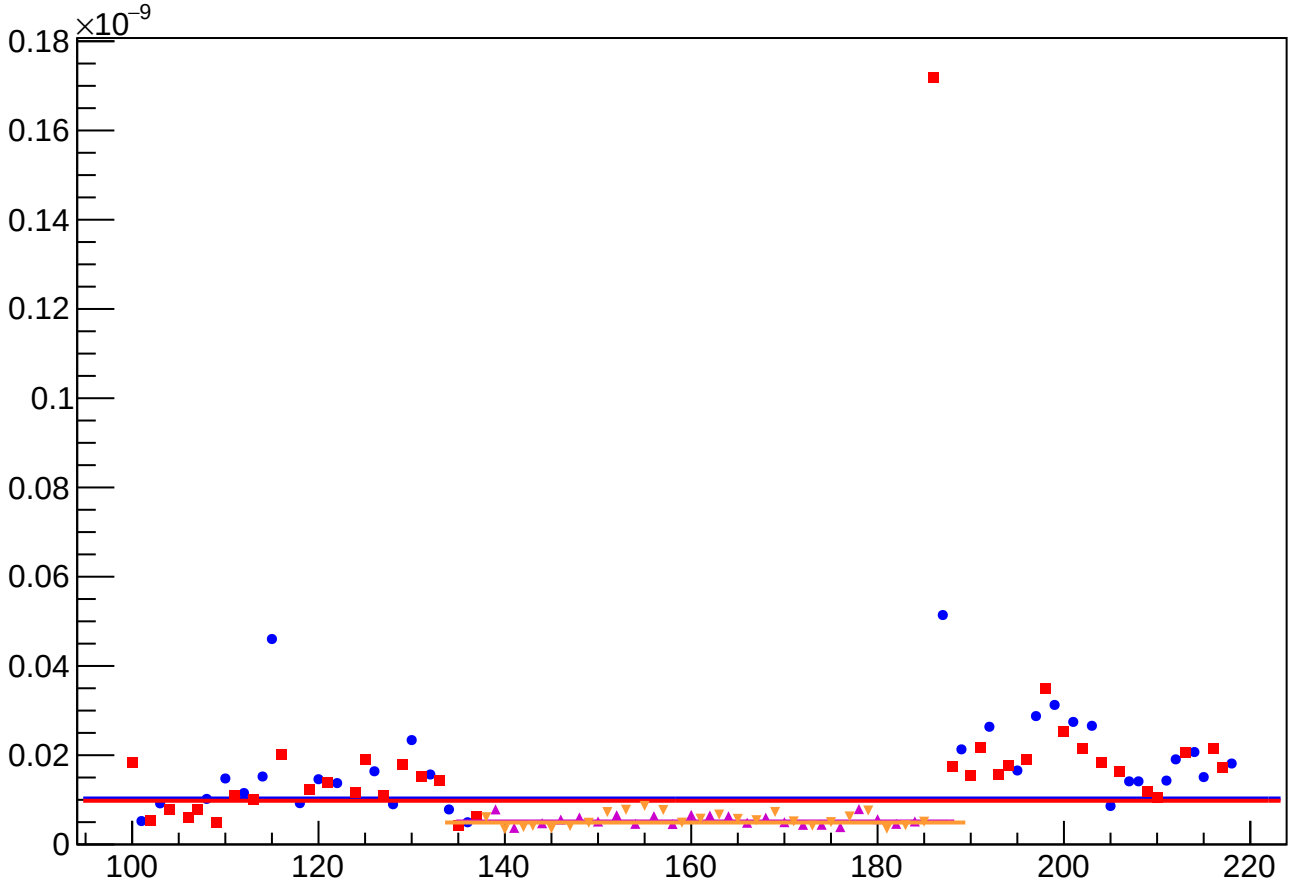
Right Out: 0.000+/-0.000 χ^2/NDF: 33.9/35

Left In: 0.000+/-0.000 χ^2/NDF:16.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 40.6/56

All: 0.000+/-0.000 χ^2/NDF: 92.7/115

- sign 0.000+/-0.000 χ^2/NDF: 50.5/58



Right In: 0.000+/-0.000 χ^2/NDF: 7314715.7/31

Left Out: 0.000+/-0.000 χ^2/NDF:1871499.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6766180.5/35

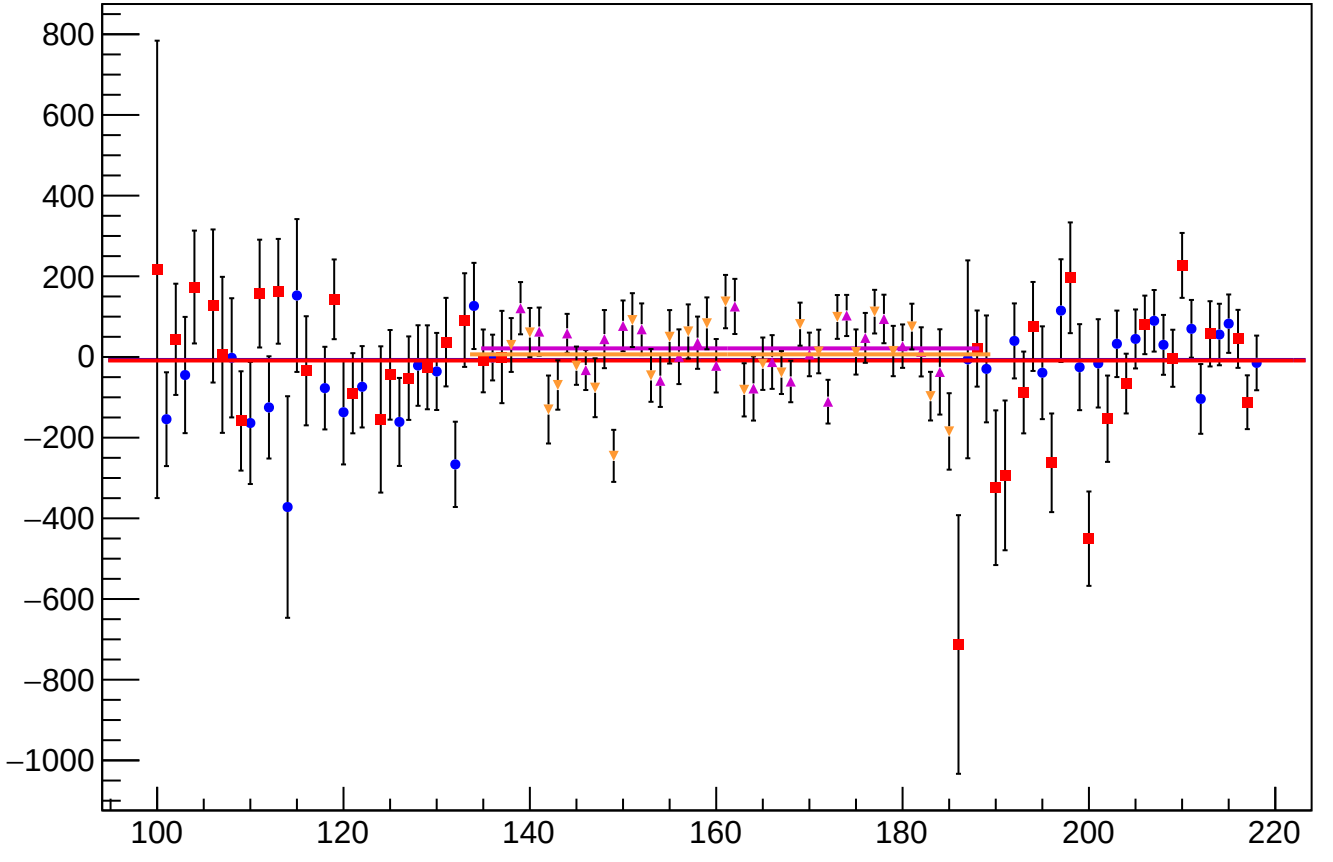
Left In: 0.000+/-0.000 χ^2/NDF:976775.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 13949436.6/56

All: 0.000+/-0.000 χ^2/NDF: 25384499.8/115

- sign 0.000+/-0.000 χ^2/NDF: 11408316.4/58

reg_asym_sam_15_26_dd_mean vs Slug



Right In: -7.403+/-17.037 χ^2/NDF: 26.2/31

Left Out: 6.523+/-12.287 χ^2/NDF:50.6/24

Right Out: -8.685+/-17.589 χ^2/NDF: 60.3/35

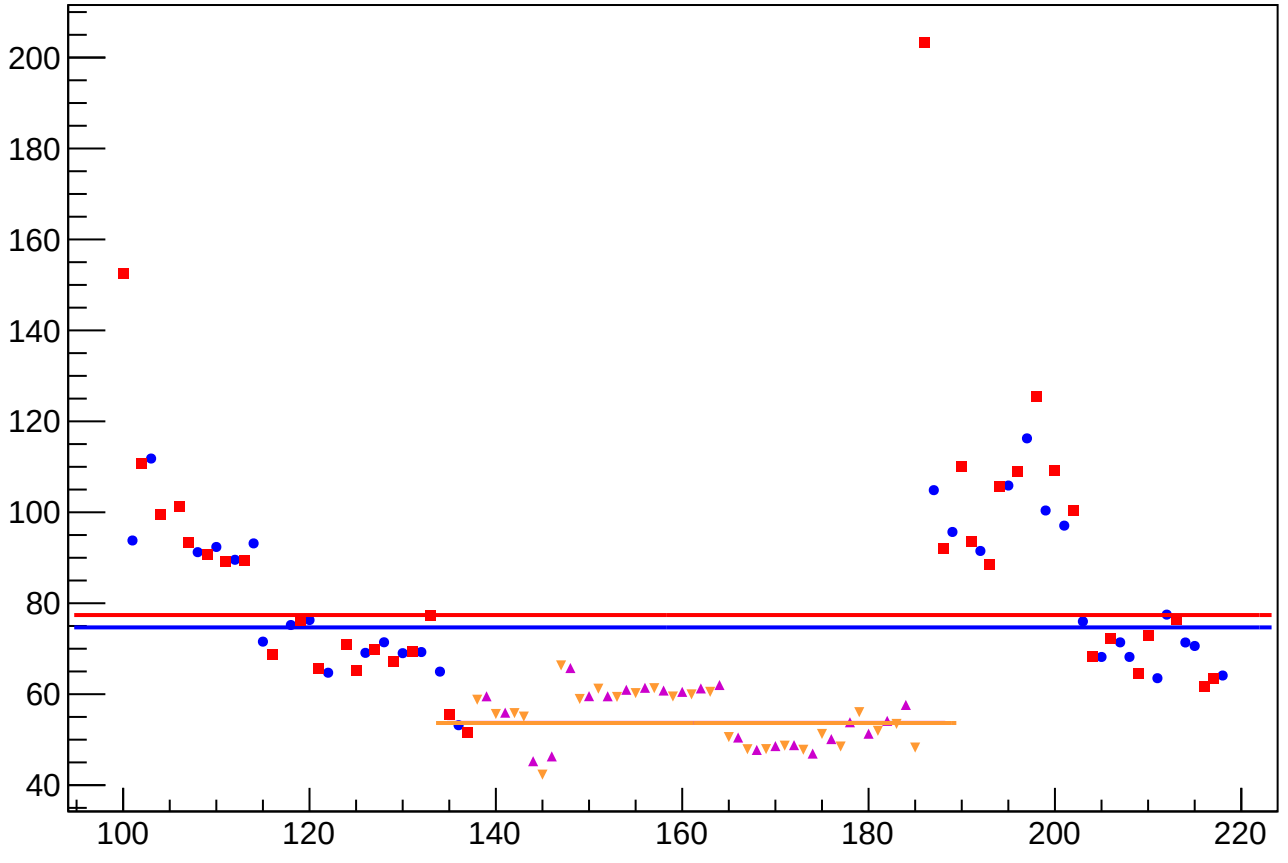
Left In: 21.336+/-12.649 χ^2/NDF:25.4/22

+ sign 1.758+/-9.966 χ^2/NDF: 77.2/56

All: 6.290+/-7.152 χ^2/NDF: 165.3/115

- sign 11.102+/-10.269 χ^2/NDF: 87.6/58

reg_asym_sam_15_26_dd_rms vs Slug



Right In: 74.689+/-0.012 χ^2/NDF: 1471471.4/31

Left Out: 53.666+/-0.009 χ^2/NDF:472206.8/24

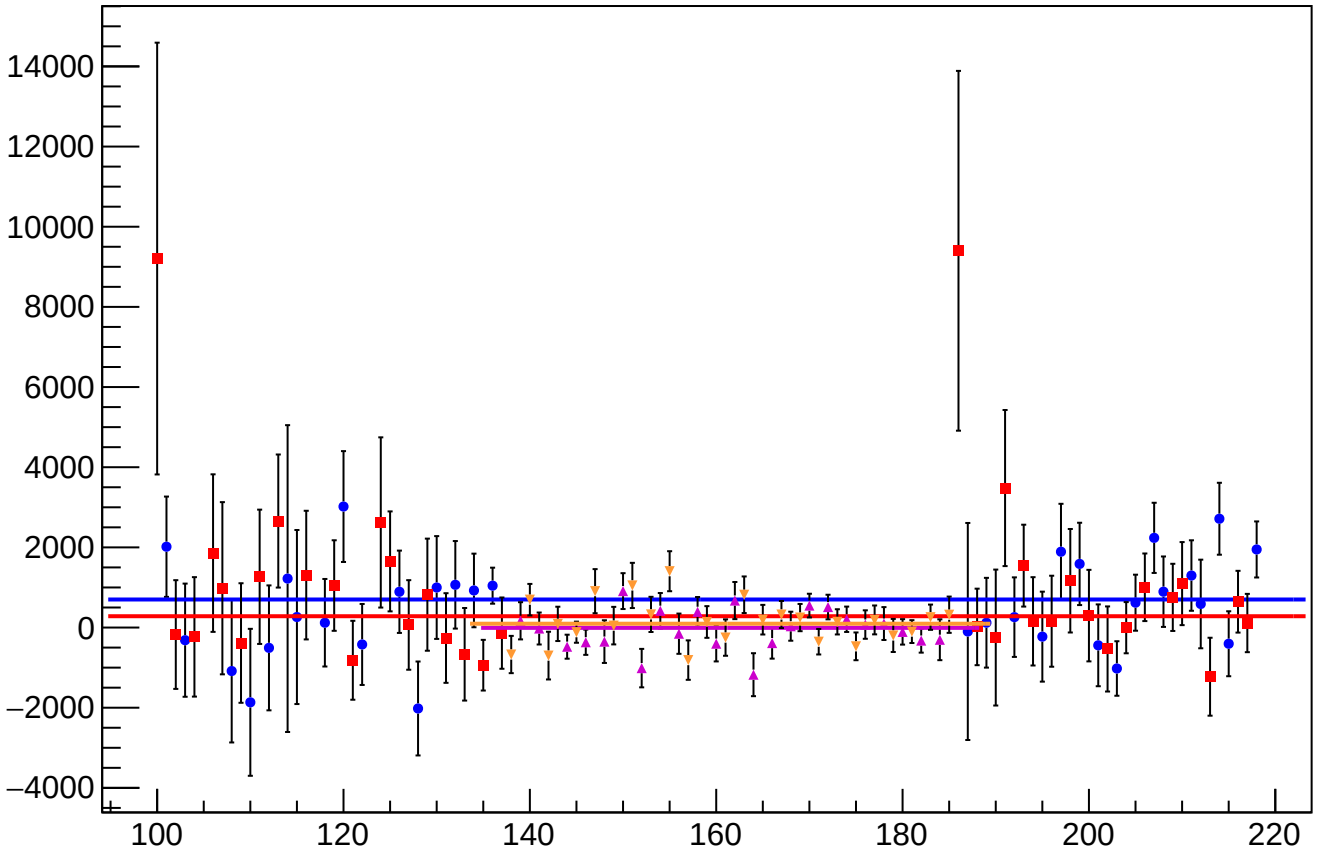
Right Out: 77.404+/-0.012 χ^2/NDF: 2169189.7/35

Left In: 53.695+/-0.009 χ^2/NDF:471343.7/22

+ sign 60.859+/-0.007 χ^2/NDF: 3947234.0/56

All: 61.304+/-0.005 χ^2/NDF: 8991198.7/115

- sign 61.777+/-0.007 χ^2/NDF: 5035747.2/58



Right In: 699.803+/-173.738 χ^2/NDF: 40.1/31

Left Out: 95.456+/-77.134 χ^2/NDF:33.2/24

Right Out: 282.525+/-183.216 χ^2/NDF: 30.1/35

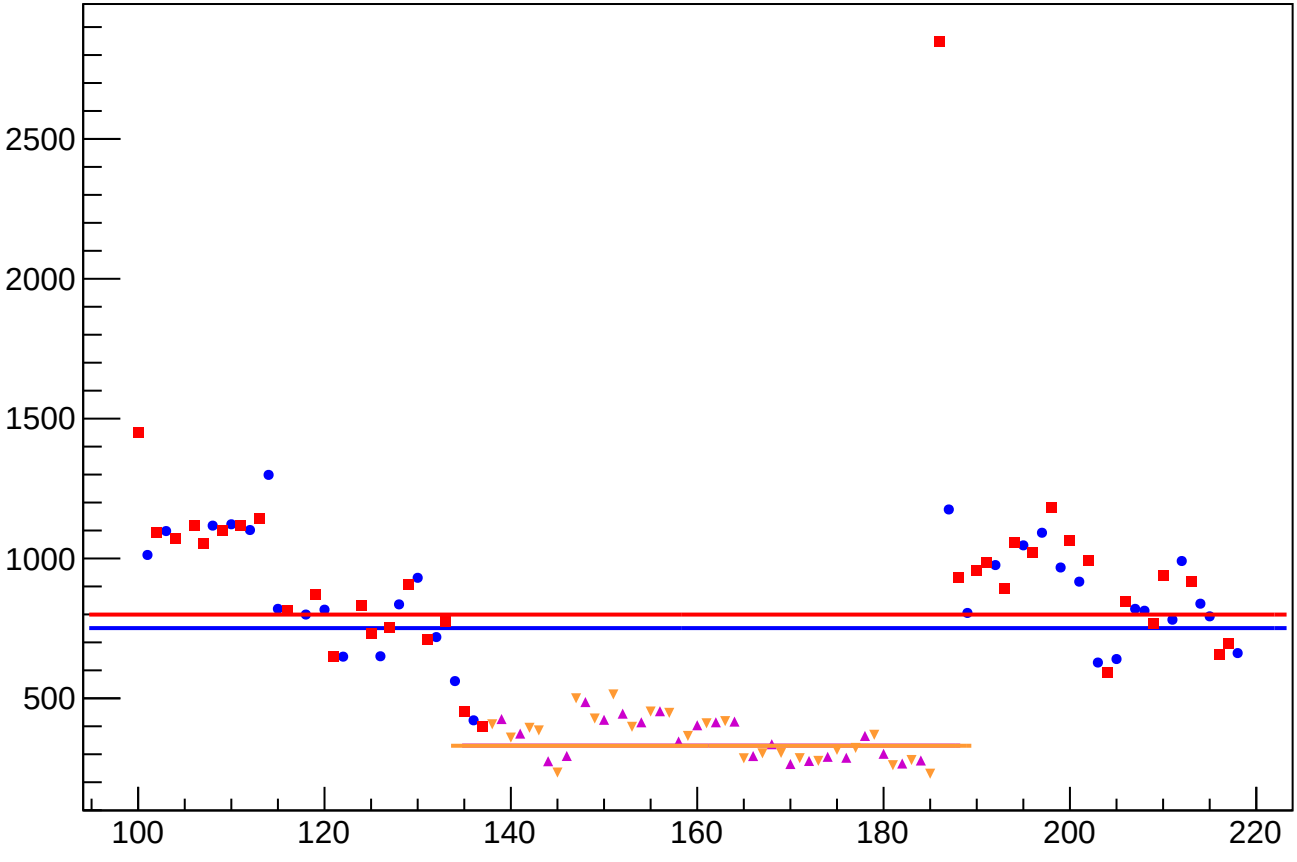
Left In: -7.879+/-79.125 χ^2/NDF:32.3/22

+ sign 194.963+/-70.499 χ^2/NDF: 83.4/56

All: 118.719+/-50.590 χ^2/NDF: 150.3/115

- sign 37.770+/-72.641 χ^2/NDF: 64.5/58

asym_sam_15_26_dd_reg_correction_rms vs Slug



Right In: 751.043+/-0.123 χ^2/NDF: 2672733.6/31

Left Out: 330.405+/-0.055 χ^2/NDF:1752470.5/24

Right Out: 799.401+/-0.130 χ^2/NDF: 3050835.0/35

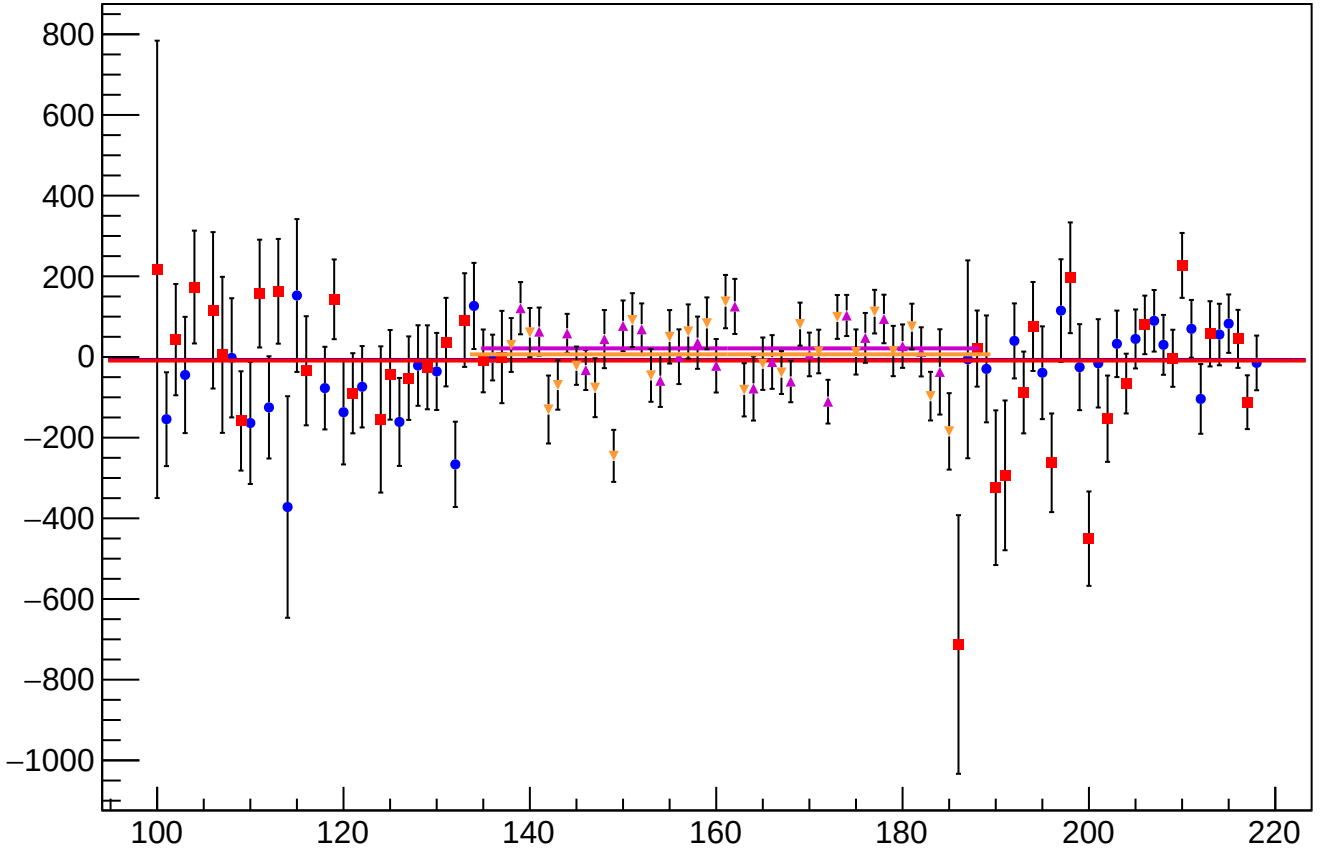
Left In: 331.059+/-0.056 χ^2/NDF:1325602.5/22

+ sign 399.664+/-0.050 χ^2/NDF: 14218357.6/56

All: 402.097+/-0.036 χ^2/NDF: 29614032.7/11

- sign 404.679+/-0.051 χ^2/NDF: 15390767.8/58

cor_asym_sam_15_26_dd_mean vs Slug



Right In: -7.397+/-17.037 χ^2/NDF: 26.2/31

Left Out: 6.526+/-12.287 χ^2/NDF:50.6/24

Right Out: -8.836+/-17.593 χ^2/NDF: 60.2/35

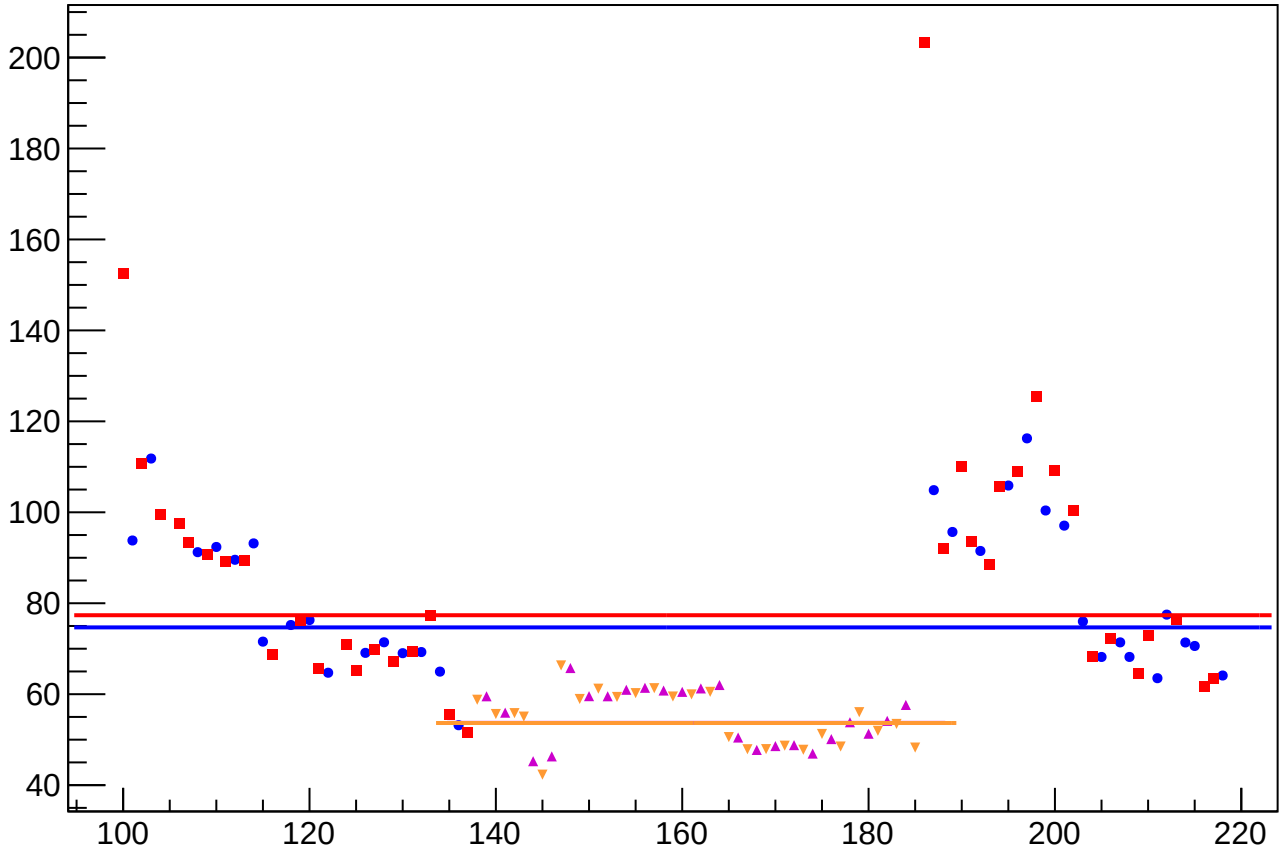
Left In: 21.335+/-12.649 χ^2/NDF:25.4/22

+ sign 1.762+/-9.966 χ^2/NDF: 77.2/56

All: 6.267+/-7.152 χ^2/NDF: 165.2/115

- sign 11.052+/-10.270 χ^2/NDF: 87.5/58

cor_asym_sam_15_26_dd_rms vs Slug



Right In: 74.689+/-0.012 χ^2/NDF: 1471473.8/31

Left Out: 53.666+/-0.009 χ^2/NDF:472206.8/24

Right Out: 77.365+/-0.012 χ^2/NDF: 2159508.7/35

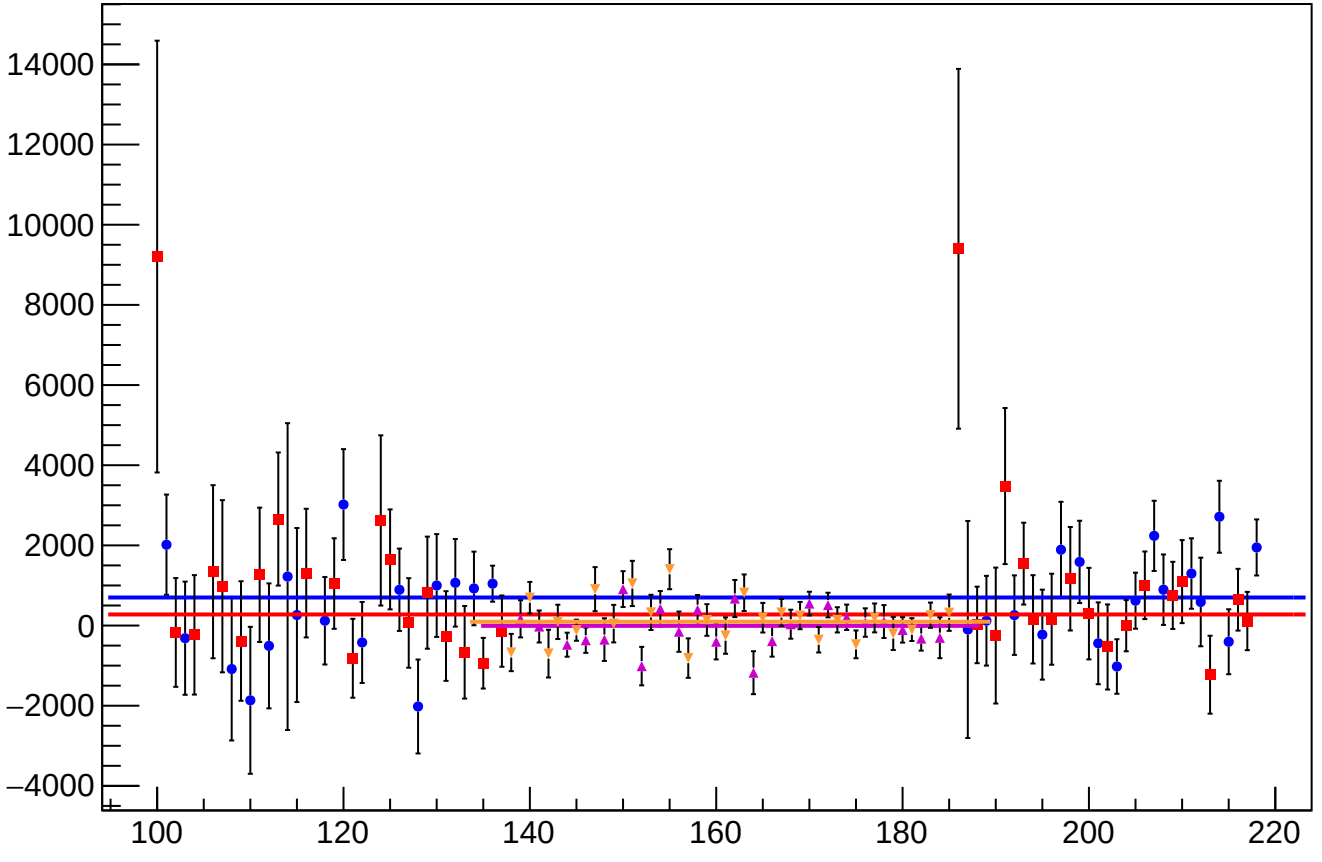
Left In: 53.695+/-0.009 χ^2/NDF:471343.7/22

+ sign 60.859+/-0.007 χ^2/NDF: 3947236.5/56

All: 61.297+/-0.005 χ^2/NDF: 8972836.7/115

- sign 61.761+/-0.007 χ^2/NDF: 5017653.6/58

asym_sam_15_26_dd_cor_correction_mean vs Slug



Right In: 699.801+/-173.739 χ^2/NDF: 40.1/31

Left Out: 95.458+/-77.134 χ^2/NDF:33.2/24

Right Out: 276.534+/-183.355 χ^2/NDF: 29.7/35

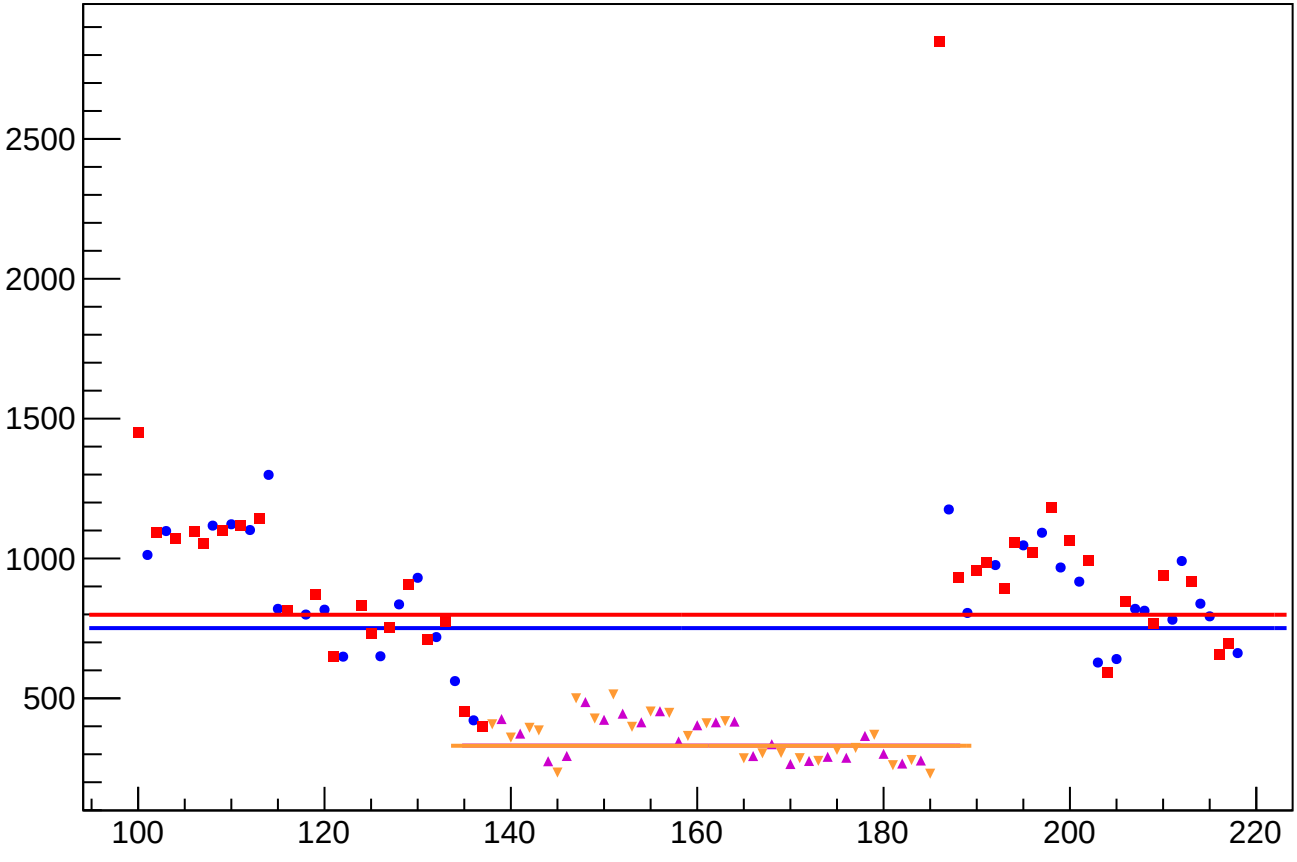
Left In: -7.875+/-79.125 χ^2/NDF:32.3/22

+ sign 194.965+/-70.499 χ^2/NDF: 83.4/56

All: 118.246+/-50.593 χ^2/NDF: 149.9/115

- sign 36.775+/-72.649 χ^2/NDF: 64.0/58

asym_sam_15_26_dd_cor_correction_rms vs Slug



Right In: 751.044+/-0.123 χ^2/NDF: 2672756.8/31

Left Out: 330.405+/-0.055 χ^2/NDF:1752469.2/24

Right Out: 798.767+/-0.130 χ^2/NDF: 3036110.9/35

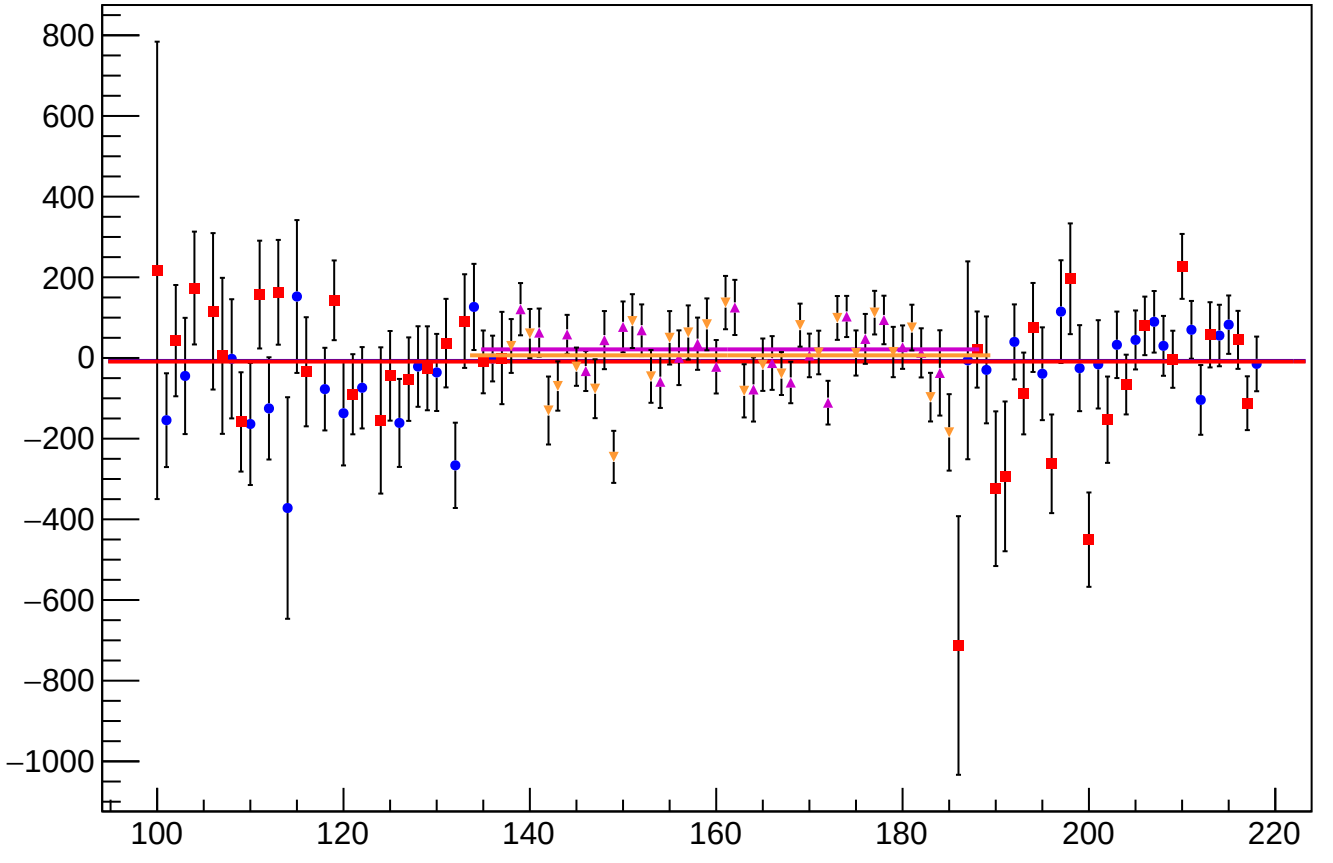
Left In: 331.058+/-0.056 χ^2/NDF:1325610.1/22

+ sign 399.665+/-0.050 χ^2/NDF: 14218376.6/56

All: 402.002+/-0.036 χ^2/NDF: 29555178.5/11

- sign 404.485+/-0.051 χ^2/NDF: 15332266.4/58

eigen_cor_asym_sam_15_26_dd_mean vs Slug



Right In: -7.397+/-17.037 χ^2/NDF: 26.2/31

Left Out: 6.526+/-12.287 χ^2/NDF:50.6/24

Right Out: -8.836+/-17.593 χ^2/NDF: 60.2/35

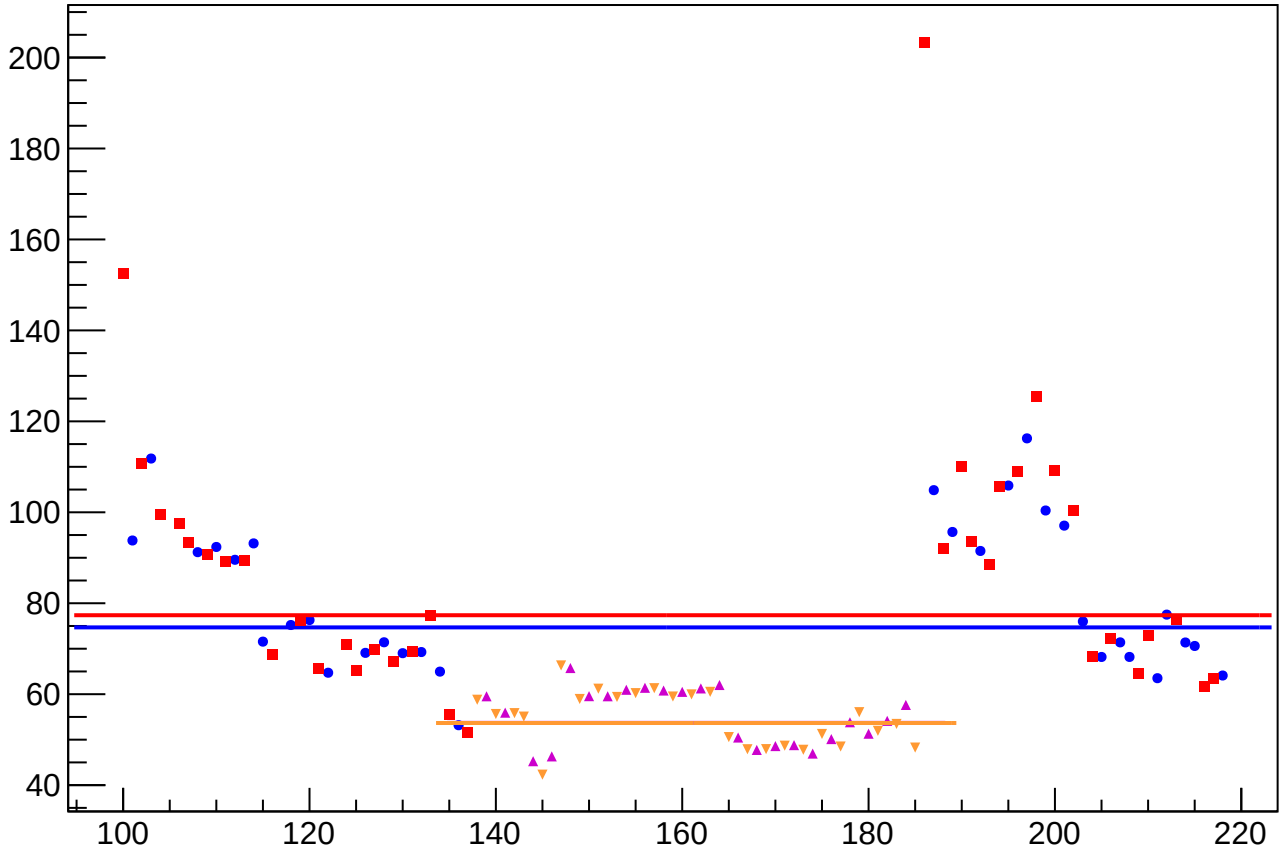
Left In: 21.335+/-12.649 χ^2/NDF:25.4/22

+ sign 1.762+/-9.966 χ^2/NDF: 77.2/56

All: 6.267+/-7.152 χ^2/NDF: 165.2/115

- sign 11.052+/-10.270 χ^2/NDF: 87.5/58

eigen_cor_asym_sam_15_26_dd_rms vs Slug



Right In: 74.689+/-0.012 χ^2/NDF: 1471473.8/31

Left Out: 53.666+/-0.009 χ^2/NDF:472206.8/24

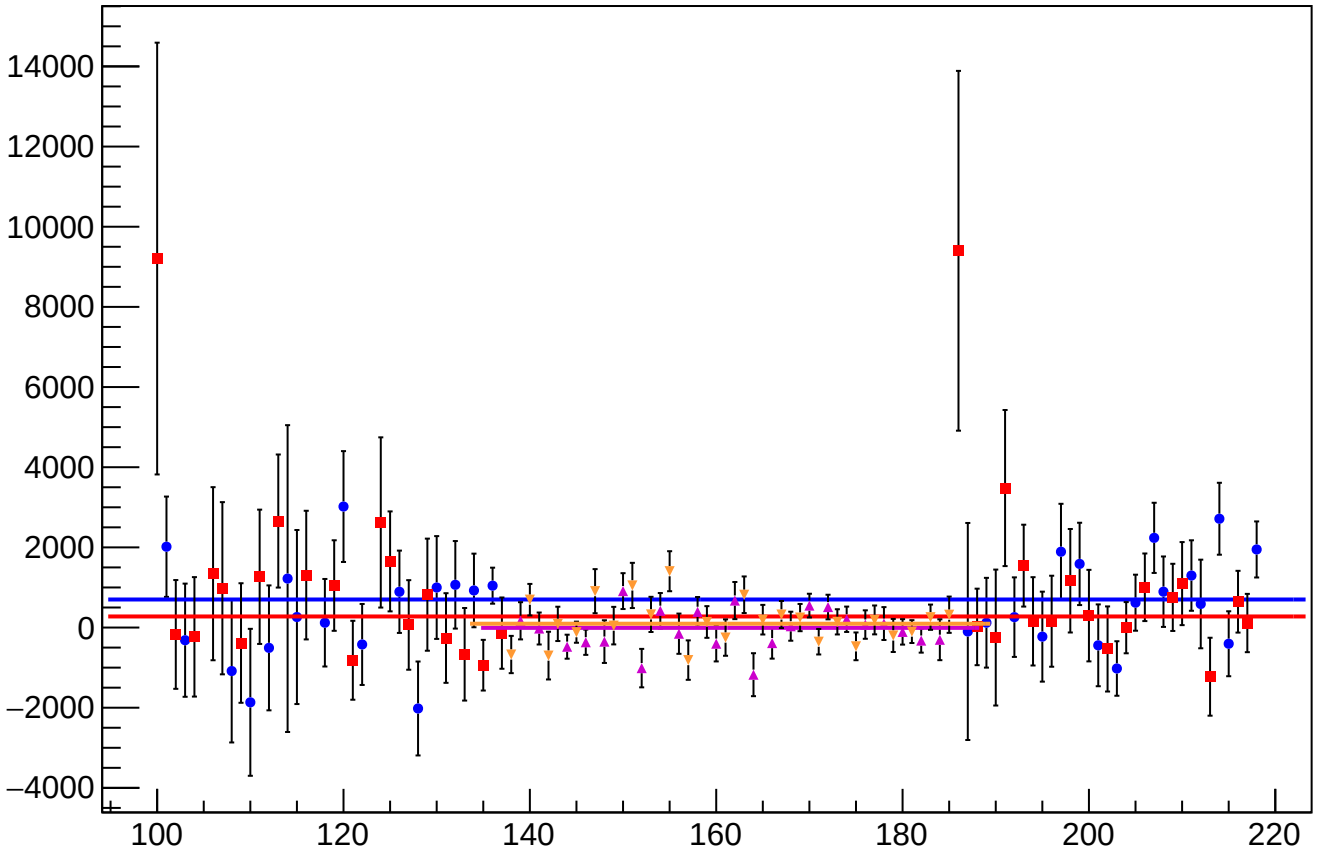
Right Out: 77.365+/-0.012 χ^2/NDF: 2159508.7/35

Left In: 53.695+/-0.009 χ^2/NDF:471343.7/22

+ sign 60.859+/-0.007 χ^2/NDF: 3947236.5/56

All: 61.297+/-0.005 χ^2/NDF: 8972836.7/115

- sign 61.761+/-0.007 χ^2/NDF: 5017653.6/58



Right In: 699.801+/-173.739 χ^2/NDF: 40.1/31

Left Out: 95.458+/-77.134 χ^2/NDF:33.2/24

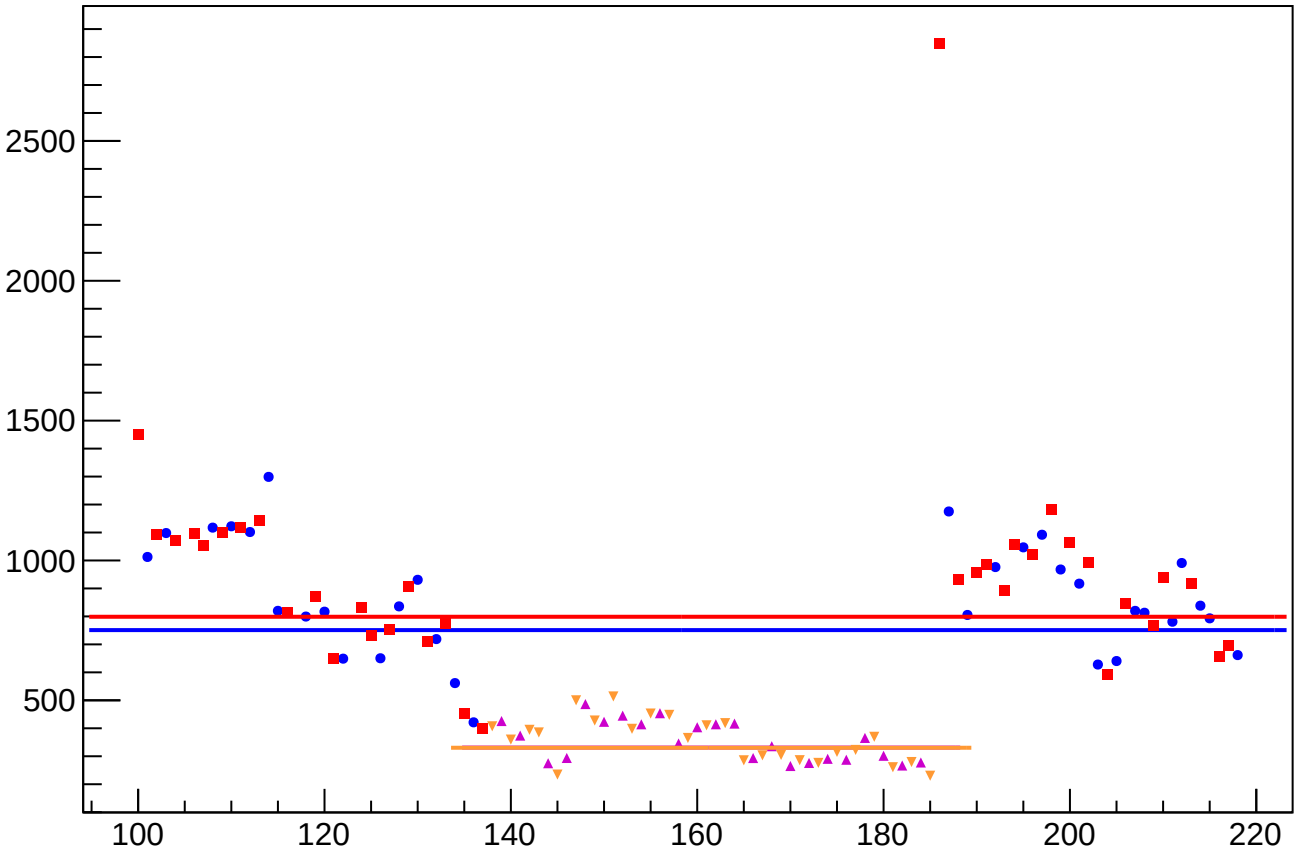
Right Out: 276.534+/-183.355 χ^2/NDF: 29.7/35

Left In: -7.875+/-79.125 χ^2/NDF:32.3/22

+ sign 194.965+/-70.499 χ^2/NDF: 83.4/56

All: 118.246+/-50.593 χ^2/NDF: 149.9/115

- sign 36.775+/-72.649 χ^2/NDF: 64.0/58



Right In: 751.044+/-0.123 χ^2/NDF: 2672756.8/31

Left Out: 330.405+/-0.055 χ^2/NDF:1752469.2/24

Right Out: 798.767+/-0.130 χ^2/NDF: 3036110.9/35

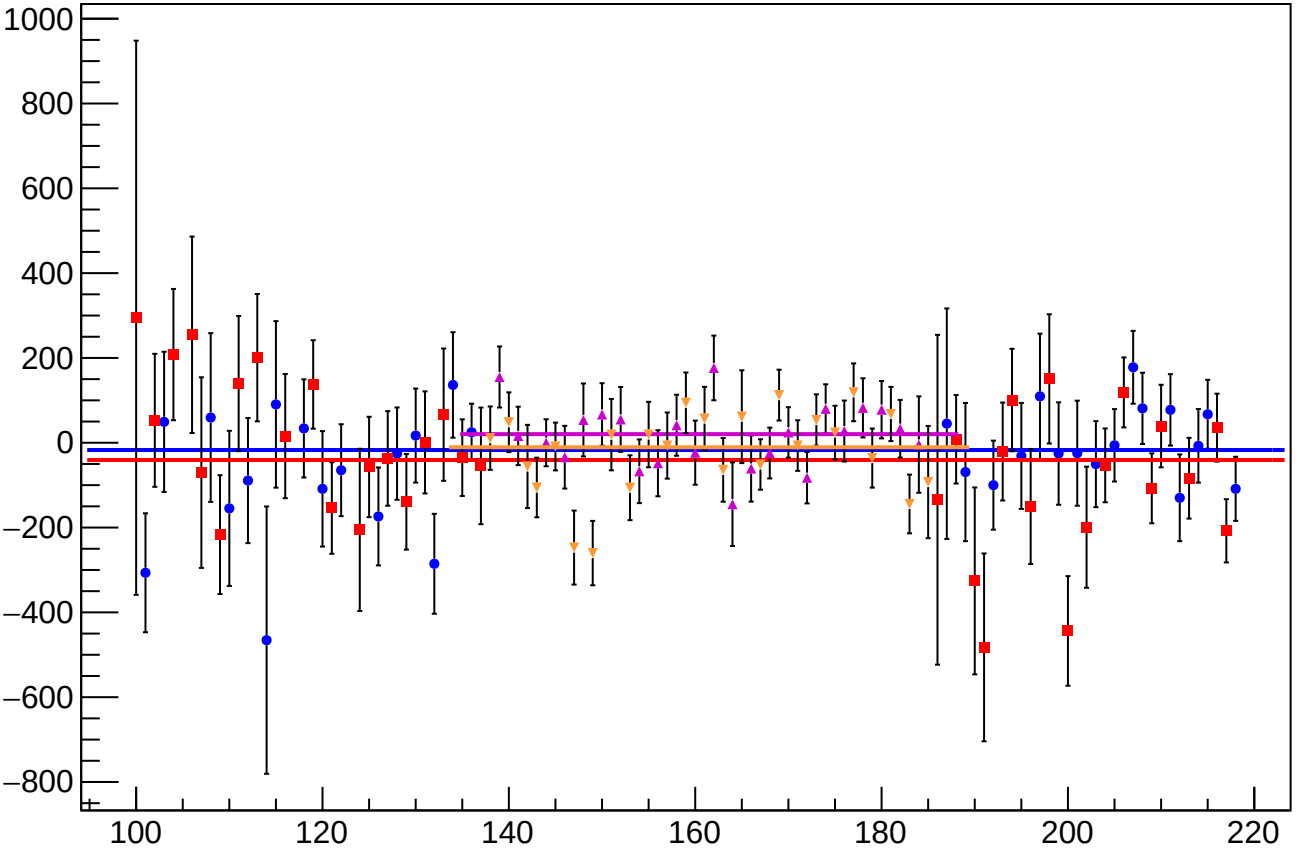
Left In: 331.058+/-0.056 χ^2/NDF:1325610.1/22

+ sign 399.665+/-0.050 χ^2/NDF: 14218376.6/56

All: 402.002+/-0.036 χ^2/NDF: 29555178.5/11

- sign 404.485+/-0.051 χ^2/NDF: 15332266.4/58

dit_asym_sam_15_26_dd_mean vs Slug



Right In: -17.152+/-19.501 χ^2/NDF: 30.8/31

Left Out: -10.614+/-14.311 χ^2/NDF:42.2/24

Right Out: -40.640+/-20.033 χ^2/NDF: 48.3/35

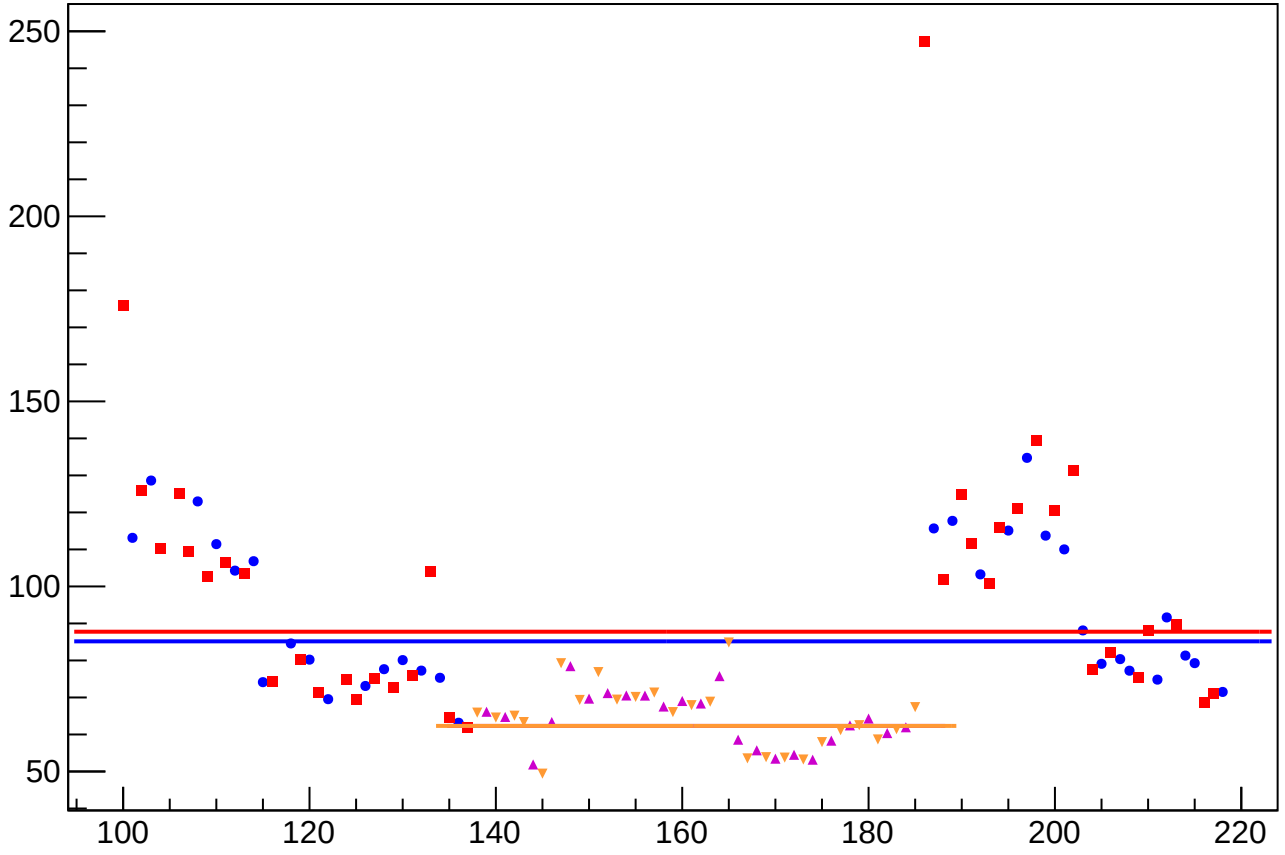
Left In: 20.306+/-14.750 χ^2/NDF:21.7/22

+ sign -12.902+/-11.537 χ^2/NDF: 73.1/56

All: -7.182+/-8.276 χ^2/NDF: 149.6/115

- sign -1.119+/-11.878 χ^2/NDF: 76.0/58

dit_asym_sam_15_26_dd_rms vs Slug



Right In: 85.164+/-0.014 χ^2/NDF: 1545819.0/31

Left Out: 62.316+/-0.010 χ^2/NDF:636269.1/24

Right Out: 87.770+/-0.014 χ^2/NDF: 2324865.8/35

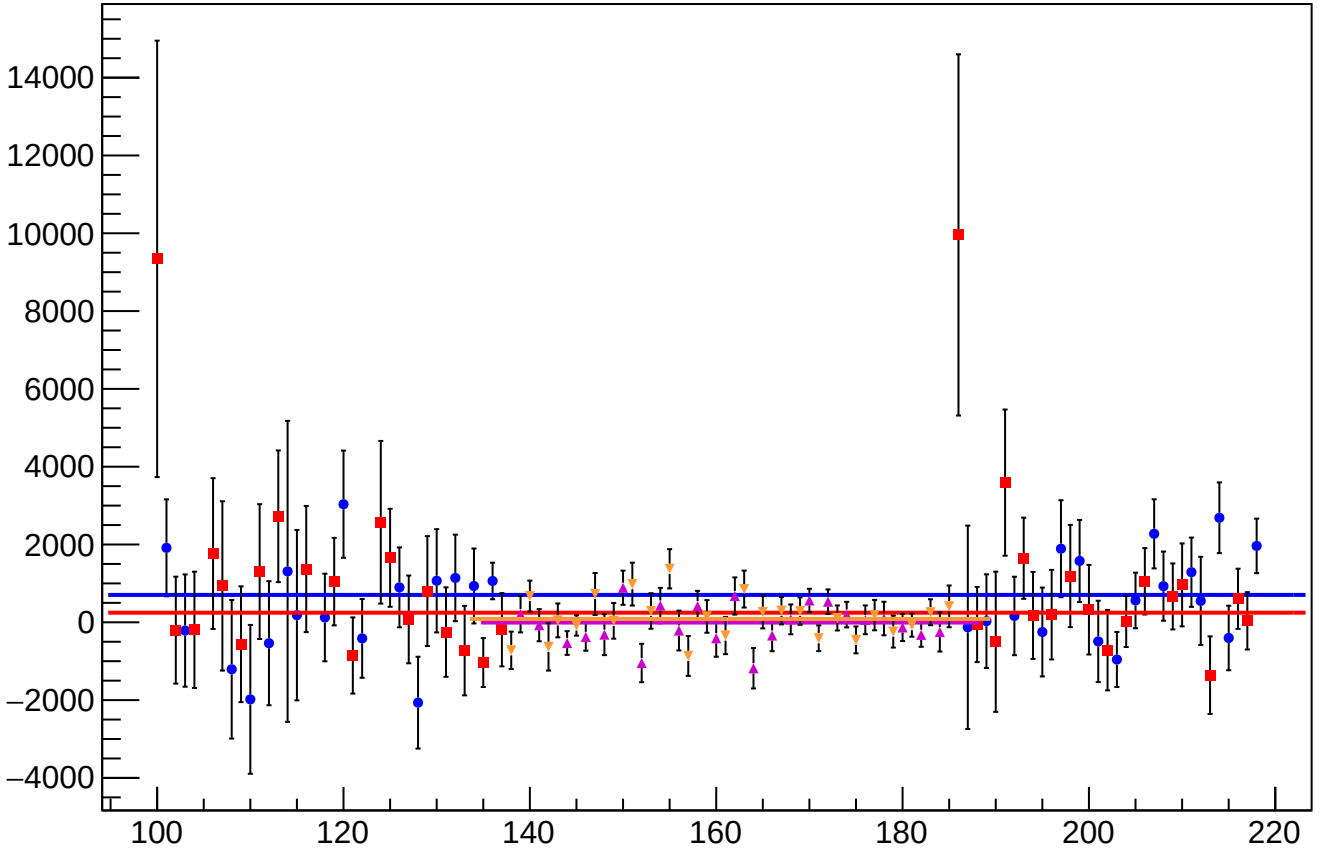
Left In: 62.310+/-0.010 χ^2/NDF:484549.5/22

+ sign 70.313+/-0.008 χ^2/NDF: 3966415.8/56

All: 70.773+/-0.006 χ^2/NDF: 8877044.8/115

- sign 71.260+/-0.008 χ^2/NDF: 4904085.9/58

asym_sam_15_26_dd_dit_correction_mean vs Slug



Right In: 704.295+/-177.881 χ^2/NDF: 39.2/31

Left Out: 86.985+/-79.837 χ^2/NDF:31.7/24

Right Out: 247.191+/-185.400 χ^2/NDF: 32.1/35

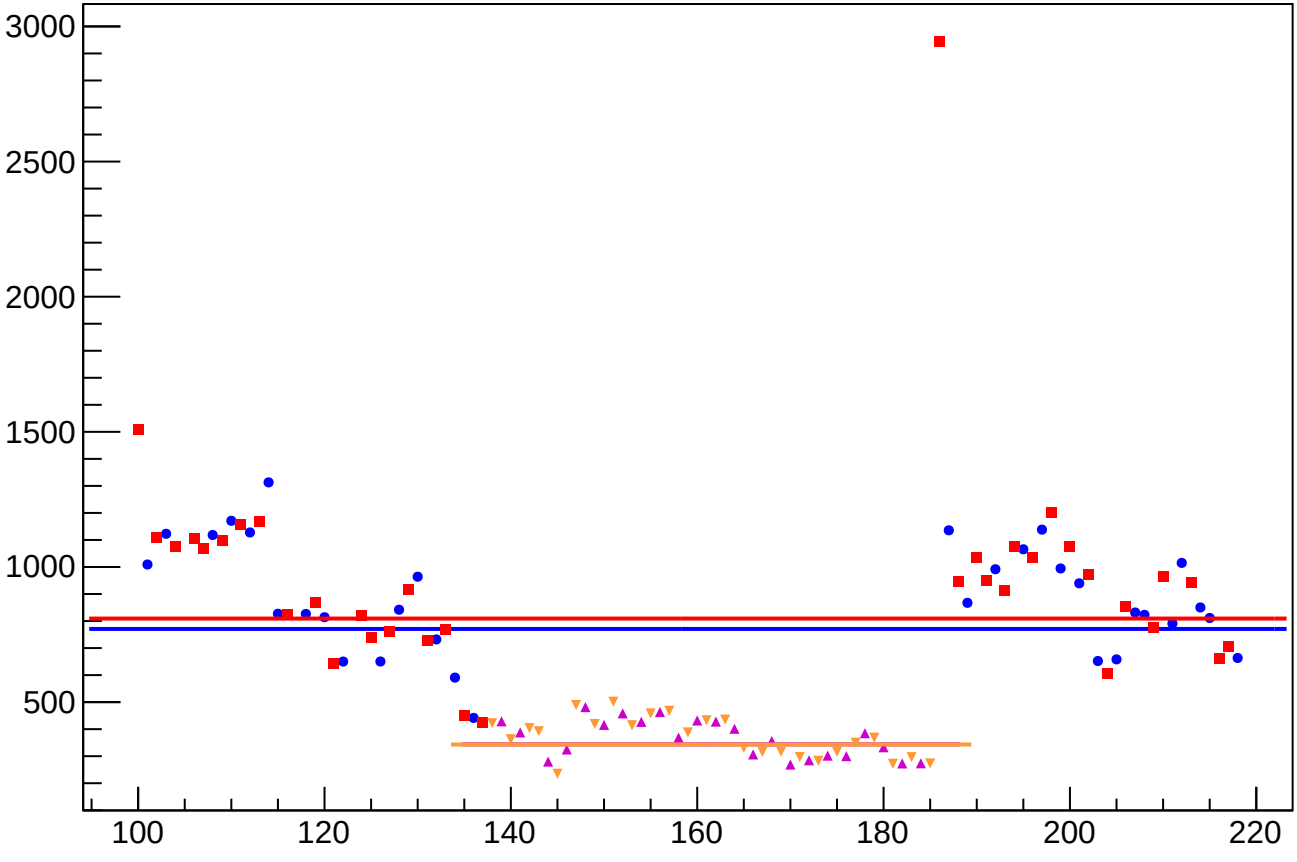
Left In: -6.497+/-82.111 χ^2/NDF:32.4/22

+ sign 190.486+/-72.837 χ^2/NDF: 80.9/56

All: 115.147+/-52.277 χ^2/NDF: 149.2/115

- sign 35.103+/-75.077 χ^2/NDF: 66.1/58

asym_sam_15_26_dd_dit_correction_rms vs Slug



Right In: 770.798+/-0.126 χ^2/NDF: 2543484.2/31

Left Out: 343.225+/-0.056 χ^2/NDF:1595394.3/24

Right Out: 809.199+/-0.131 χ^2/NDF: 3045448.0/35

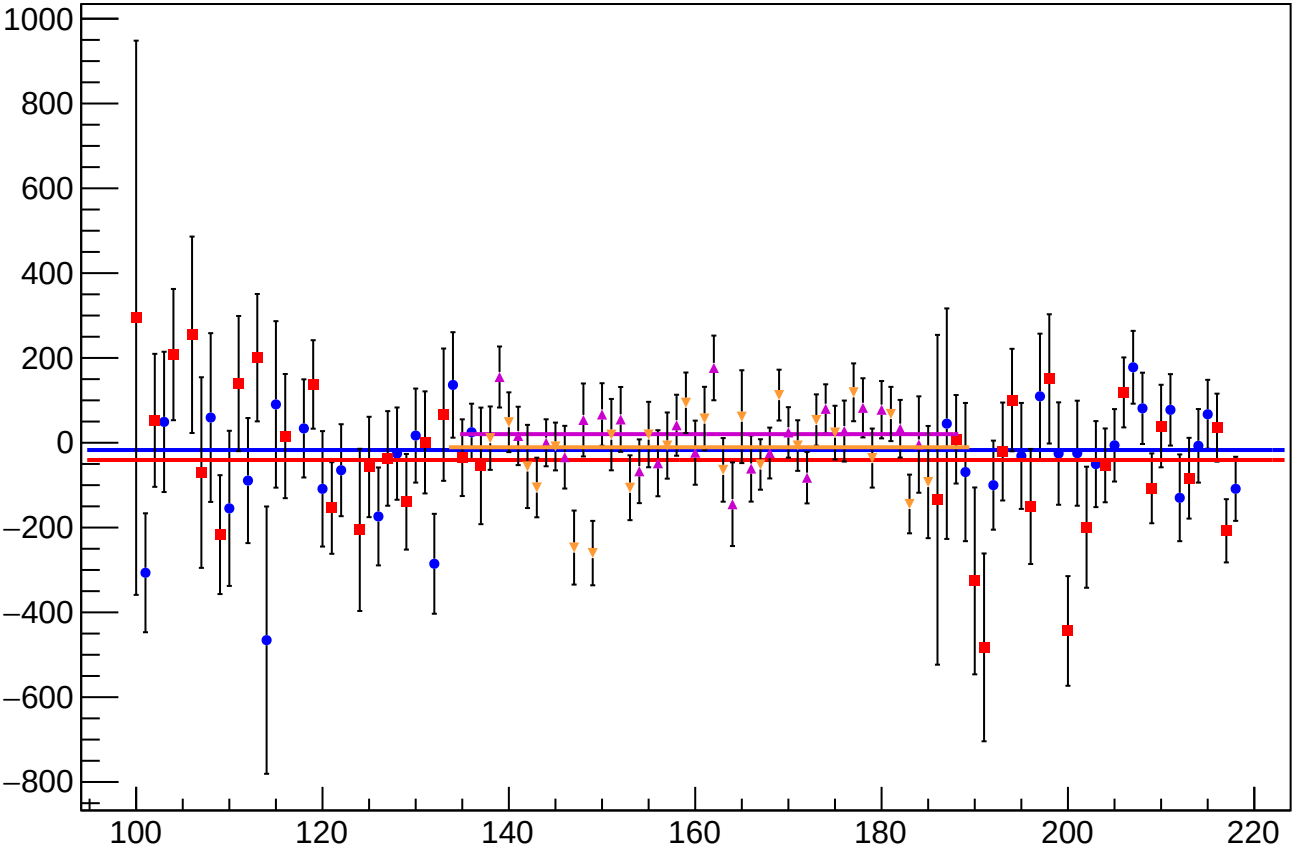
Left In: 343.717+/-0.058 χ^2/NDF:1258376.8/22

+ sign 414.914+/-0.052 χ^2/NDF: 13757014.1/56

All: 417.403+/-0.037 χ^2/NDF: 28605497.9/11

- sign 420.047+/-0.053 χ^2/NDF: 14843666.9/58

eigen_dit_asym_sam_15_26_dd_mean vs Slug



Right In: -17.153+/-19.501 χ^2/NDF: 30.8/31

Left Out: -10.613+/-14.311 χ^2/NDF:42.2/24

Right Out: -40.640+/-20.033 χ^2/NDF: 48.3/35

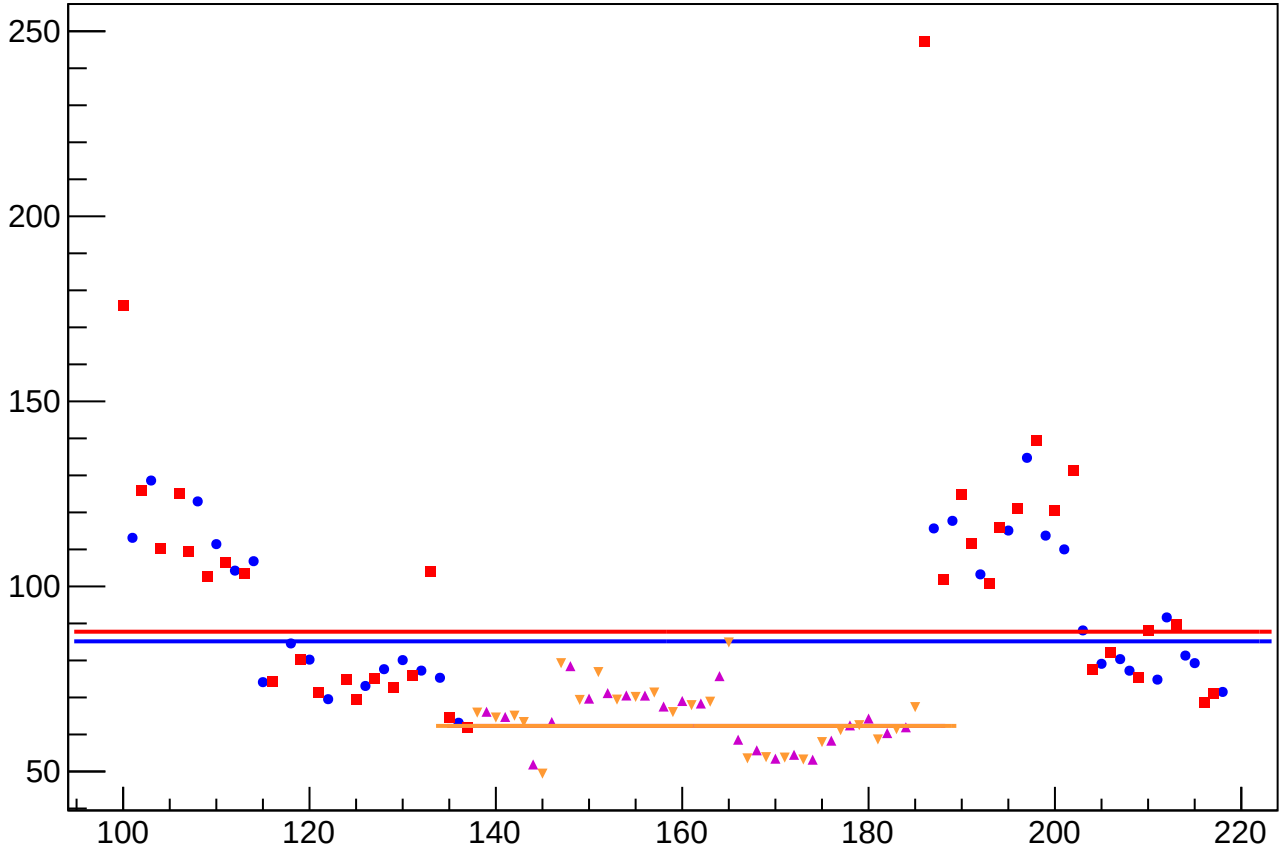
Left In: 20.306+/-14.750 χ^2/NDF:21.7/22

+ sign -12.902+/-11.537 χ^2/NDF: 73.1/56

All: -7.182+/-8.276 χ^2/NDF: 149.6/115

- sign -1.120+/-11.878 χ^2/NDF: 76.0/58

eigen_dit_asym_sam_15_26_dd_rms vs Slug



Right In: 85.163+/-0.014 χ^2/NDF: 1545828.0/31

Left Out: 62.316+/-0.010 χ^2/NDF:636268.2/24

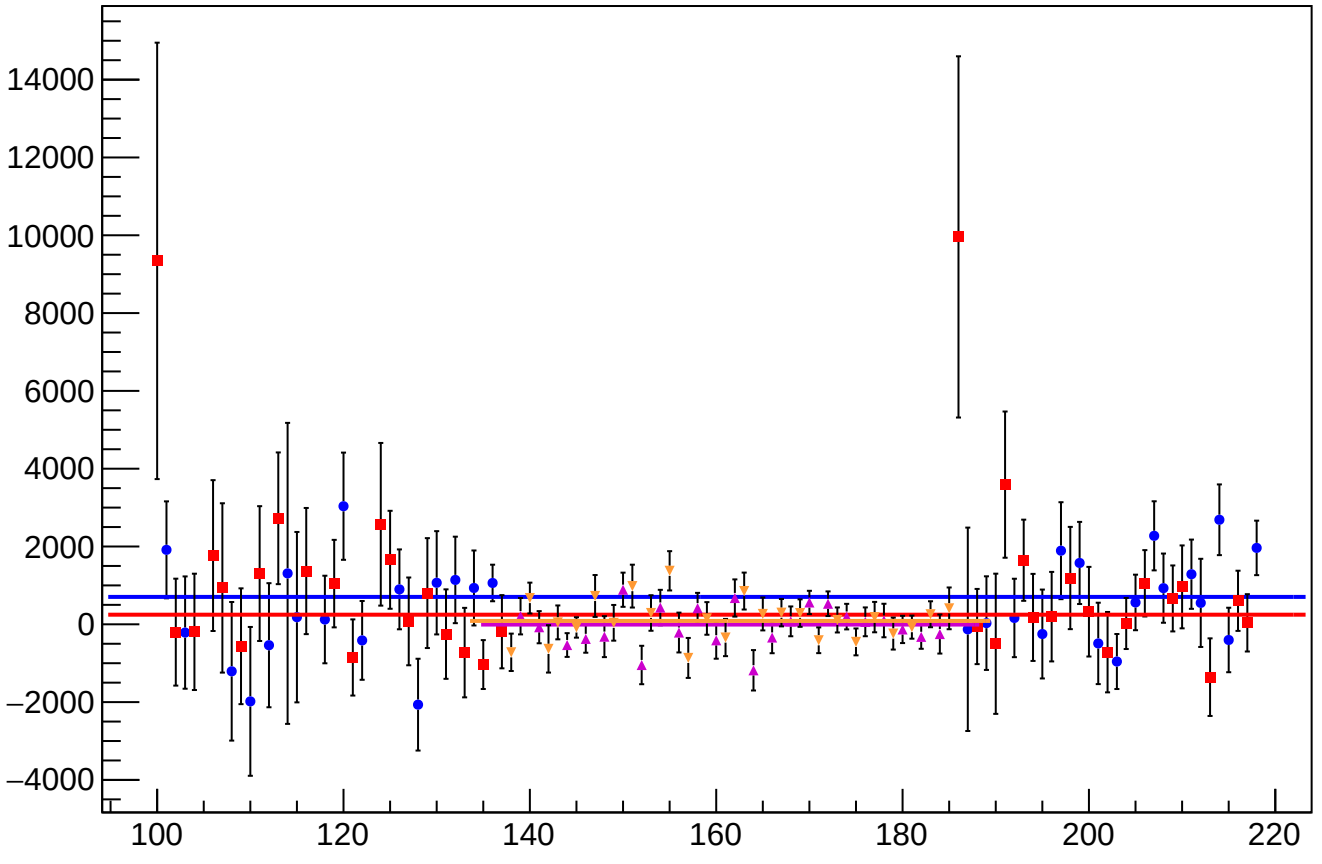
Right Out: 87.769+/-0.014 χ^2/NDF: 2324855.4/35

Left In: 62.311+/-0.010 χ^2/NDF:484544.3/22

+ sign 70.313+/-0.008 χ^2/NDF: 3966393.2/56

All: 70.773+/-0.006 χ^2/NDF: 8876964.6/115

- sign 71.261+/-0.008 χ^2/NDF: 4904026.6/58



Right In: 704.295+/-177.881 χ^2/NDF: 39.2/31

Left Out: 86.985+/-79.837 χ^2/NDF:31.7/24

Right Out: 247.192+/-185.400 χ^2/NDF: 32.1/35

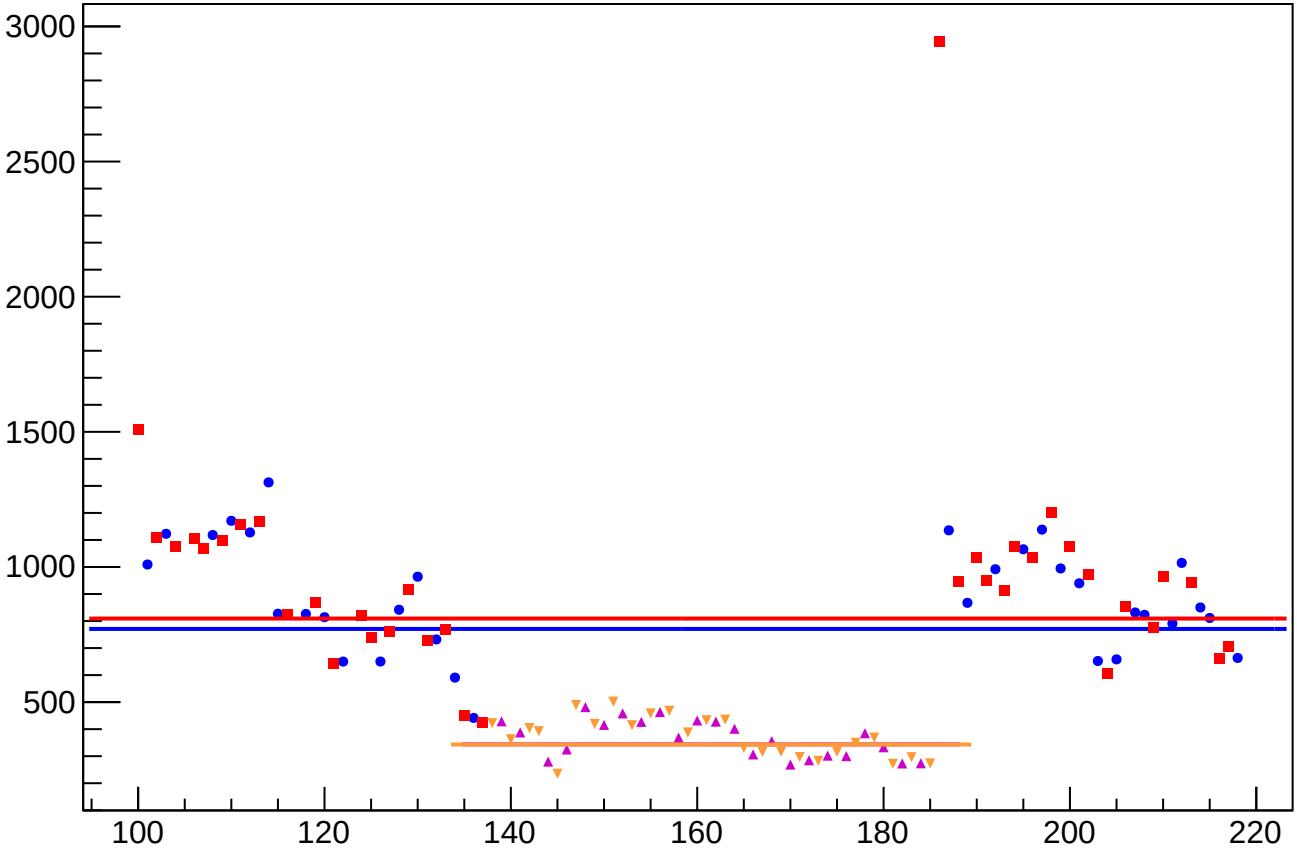
Left In: -6.497+/-82.111 χ^2/NDF:32.4/22

+ sign 190.486+/-72.837 χ^2/NDF: 80.9/56

All: 115.148+/-52.277 χ^2/NDF: 149.2/115

- sign 35.103+/-75.077 χ^2/NDF: 66.1/58

asym_sam_15_26_dd_eigen_dit_correction_rms vs Slug



Right In: 770.798+/-0.126 χ^2/NDF: 2543472.9/31

Left Out: 343.225+/-0.056 χ^2/NDF:1595415.4/24

Right Out: 809.200+/-0.131 χ^2/NDF: 3045434.7/35

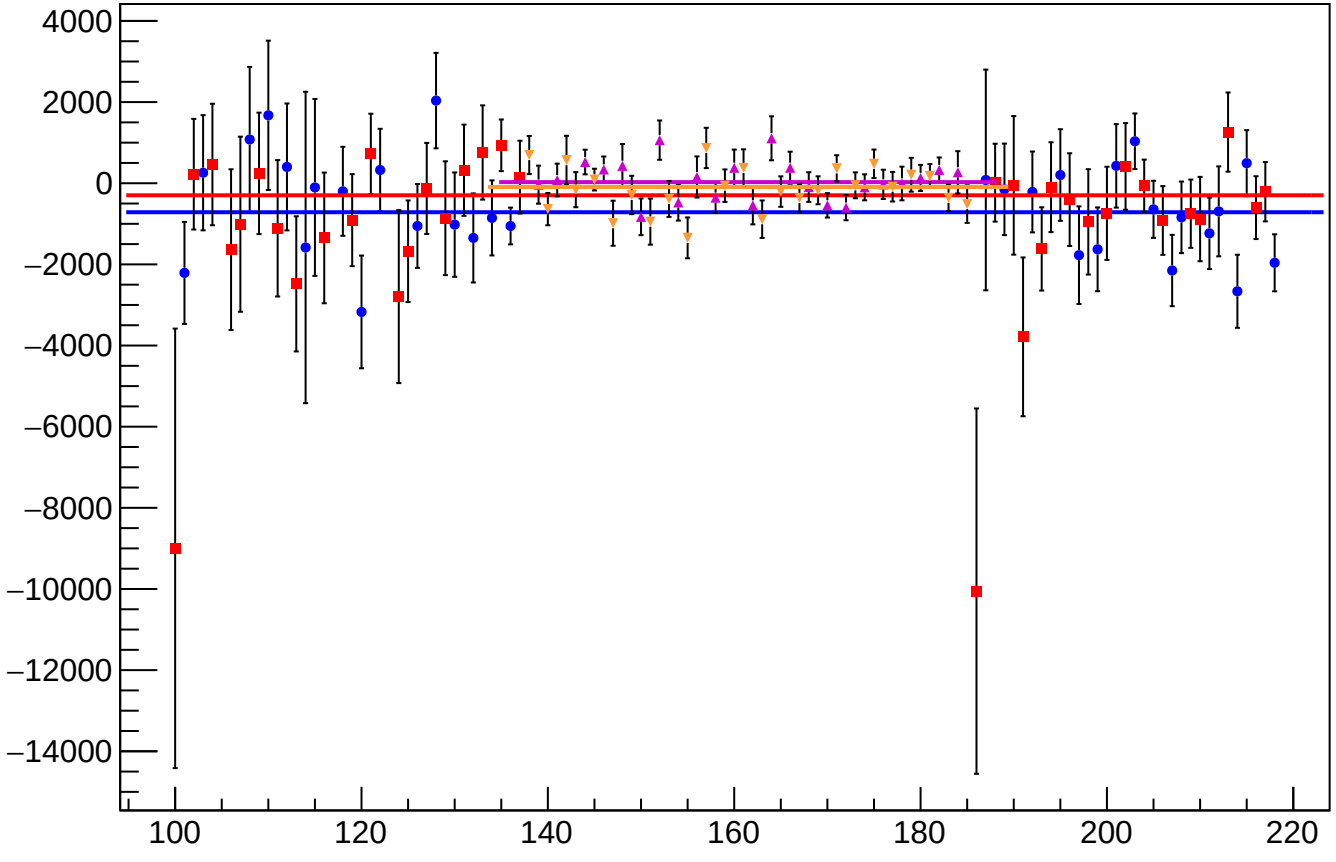
Left In: 343.717+/-0.058 χ^2/NDF:1258392.0/22

+ sign 414.914+/-0.052 χ^2/NDF: 13757023.4/56

All: 417.403+/-0.037 χ^2/NDF: 28605507.8/11

- sign 420.048+/-0.053 χ^2/NDF: 14843667.4/58

asym_sam_15_26_dd_mean vs Slug



Right In: -714.612+/-174.718 χ^2/NDF: 39.8/31

Left Out: -92.671+/-78.184 χ^2/NDF:34.2/24

Right Out: -297.060+/-184.175 χ^2/NDF: 29.9/35

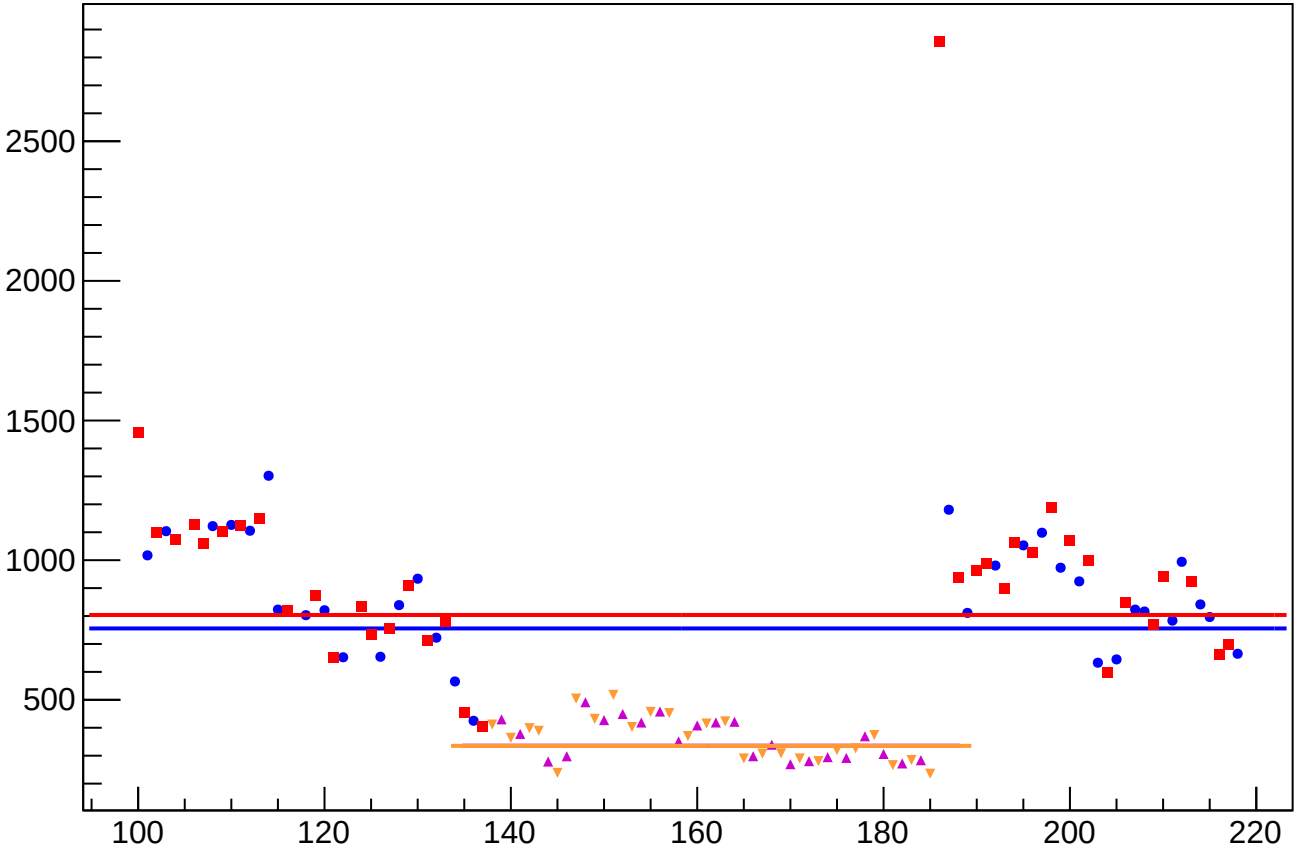
Left In: 27.173+/-80.207 χ^2/NDF:30.9/22

+ sign -196.434+/-71.365 χ^2/NDF: 84.5/56

All: -113.051+/-51.213 χ^2/NDF: 150.7/115

- sign -24.516+/-73.537 χ^2/NDF: 63.4/58

asym_sam_15_26_dd_rms vs Slug



Right In: 755.567+/-0.124 χ^2/NDF: 2647220.4/31

Left Out: 335.150+/-0.055 χ^2/NDF:1706014.2/24

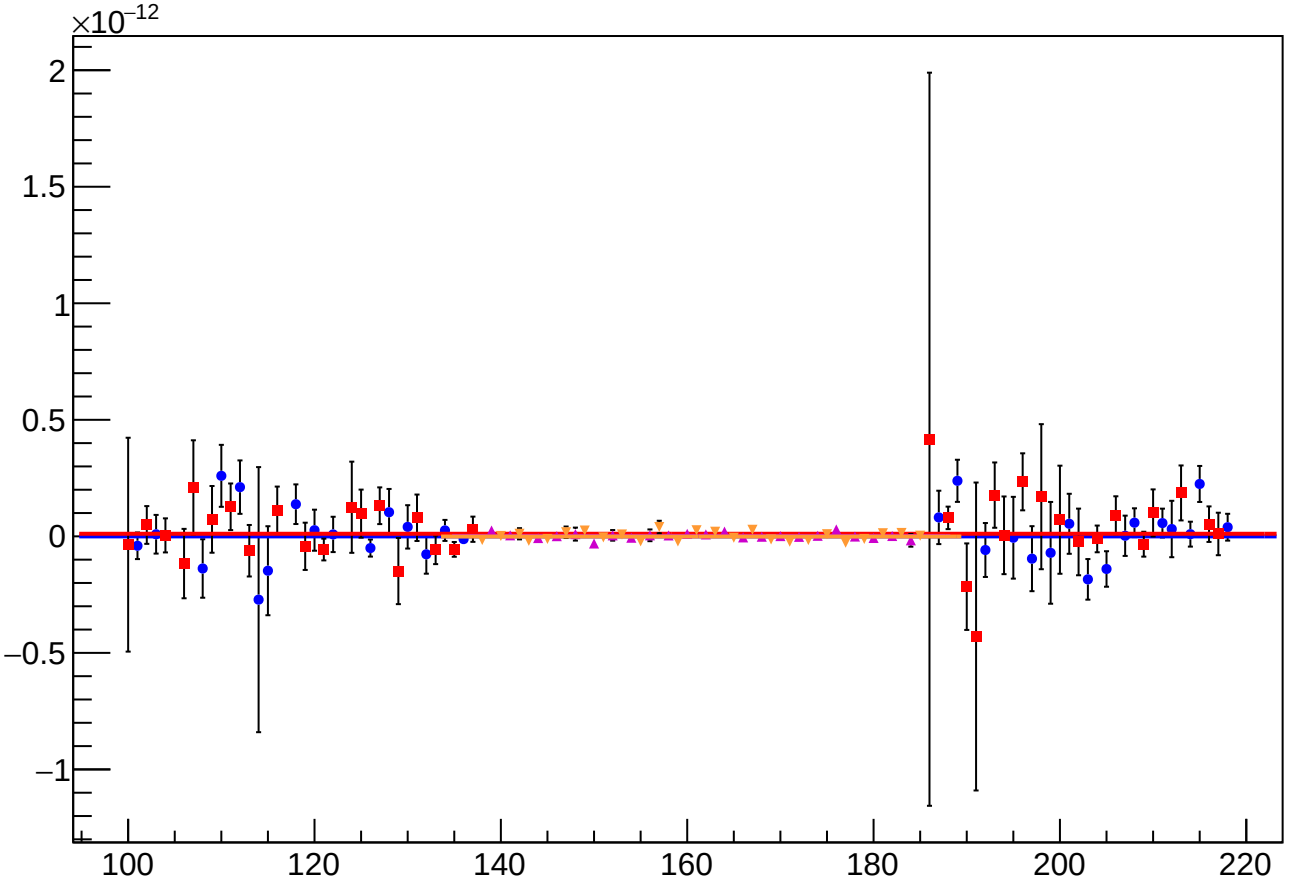
Right Out: 803.782+/-0.130 χ^2/NDF: 3034508.6/35

Left In: 335.787+/-0.057 χ^2/NDF:1291376.5/22

+ sign 405.291+/-0.050 χ^2/NDF: 14001394.2/56

All: 407.767+/-0.036 χ^2/NDF: 29187203.4/11

- sign 410.395+/-0.052 χ^2/NDF: 15180846.3/58



Right In: -0.000+/-0.000 χ^2/NDF: 44.8/31

Left Out: -0.000+/-0.000 χ^2/NDF:33.3/24

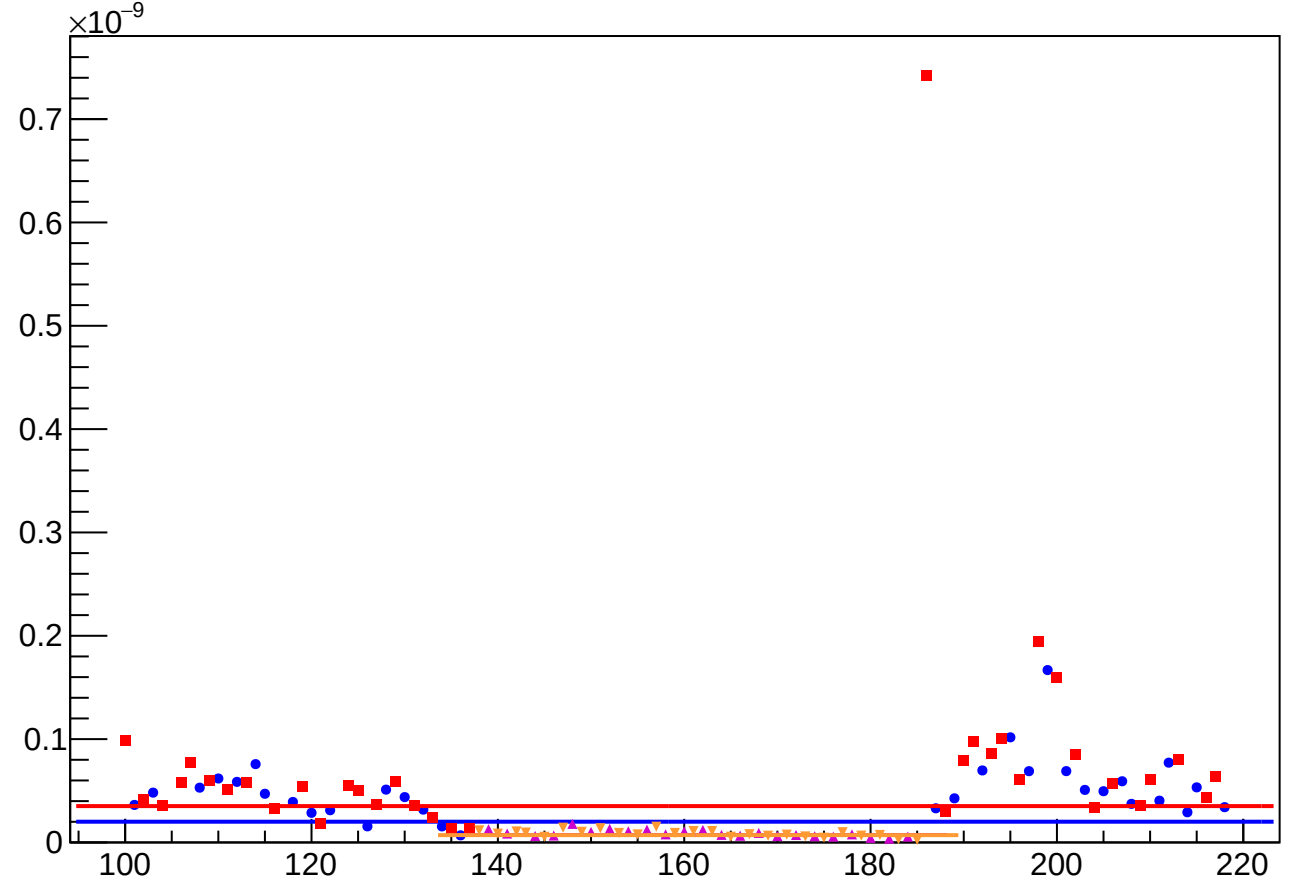
Right Out: 0.000+/-0.000 χ^2/NDF: 32.4/35

Left In: 0.000+/-0.000 χ^2/NDF:14.8/22

+ sign -0.000+/-0.000 χ^2/NDF: 78.1/56

All: 0.000+/-0.000 χ^2/NDF: 126.2/115

- sign 0.000+/-0.000 χ^2/NDF: 47.6/58



Right In: 0.000+/-0.000 χ^2/NDF: 8542461.7/31

Left Out: 0.000+/-0.000 χ^2/NDF:2000233.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5493400.5/35

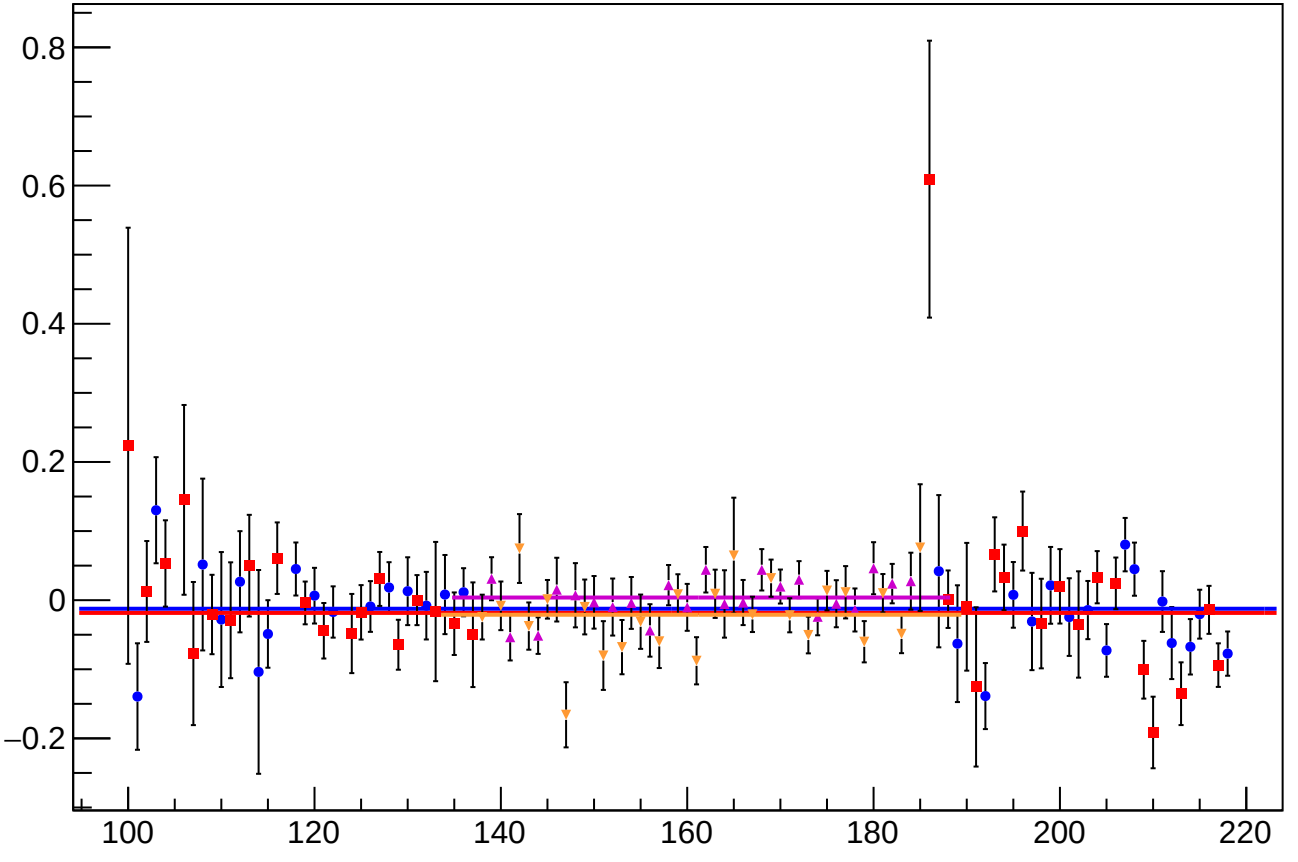
Left In: 0.000+/-0.000 χ^2/NDF:1604062.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 14079790.0/56

All: 0.000+/-0.000 χ^2/NDF: 29102011.8/115

- sign 0.000+/-0.000 χ^2/NDF: 15012315.7/58

asym_sam_15_26_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.012+/-0.008 χ^2/NDF: 37.5/31

Left Out: -0.021+/-0.007 χ^2/NDF:37.2/24

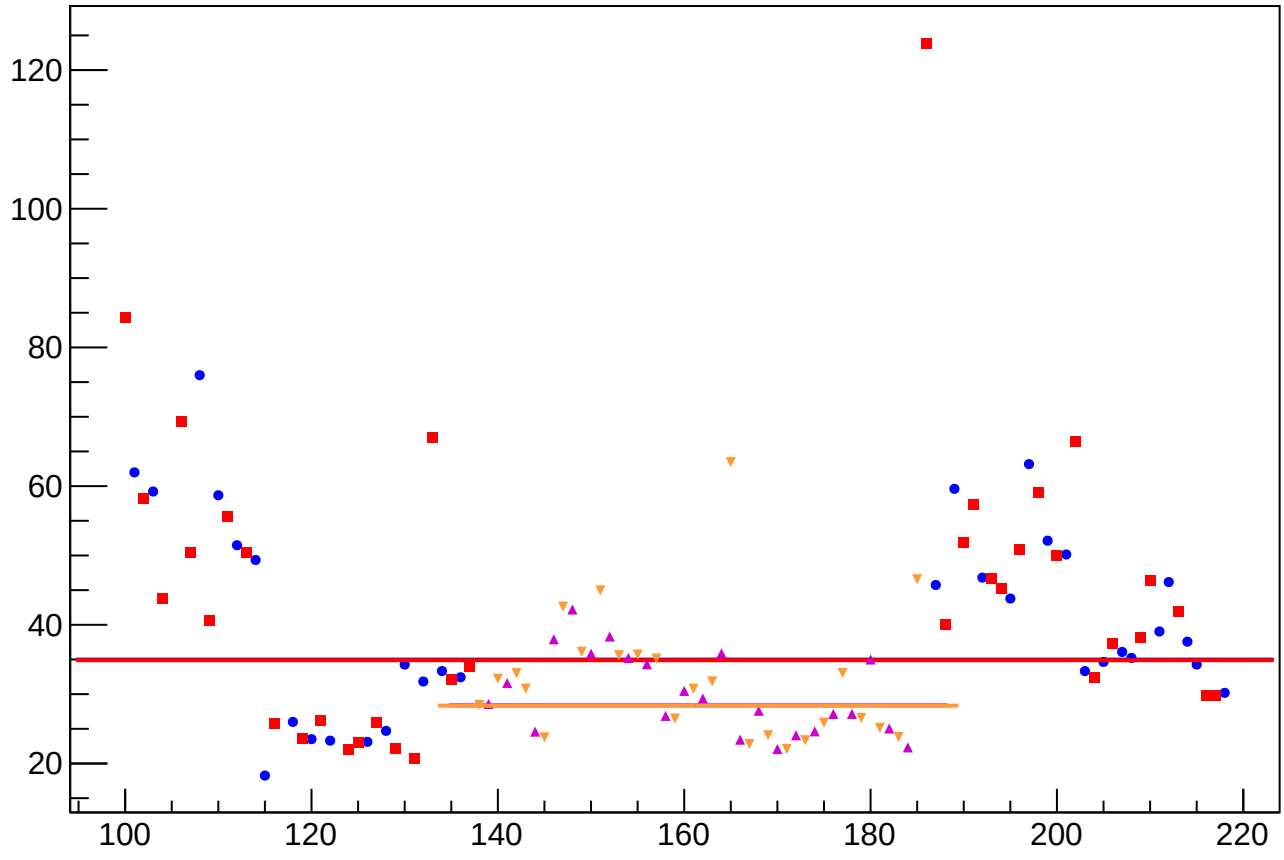
Right Out: -0.018+/-0.008 χ^2/NDF: 61.8/35

Left In: 0.004+/-0.007 χ^2/NDF:18.7/22

+ sign -0.018+/-0.005 χ^2/NDF: 75.3/56

All: -0.012+/-0.004 χ^2/NDF: 162.9/115

- sign -0.005+/-0.005 χ^2/NDF: 84.8/58



Right In: 34.981+/-0.006 χ^2/NDF: 3196893.0/31

Left Out: 28.342+/-0.005 χ^2/NDF:1733592.1/24

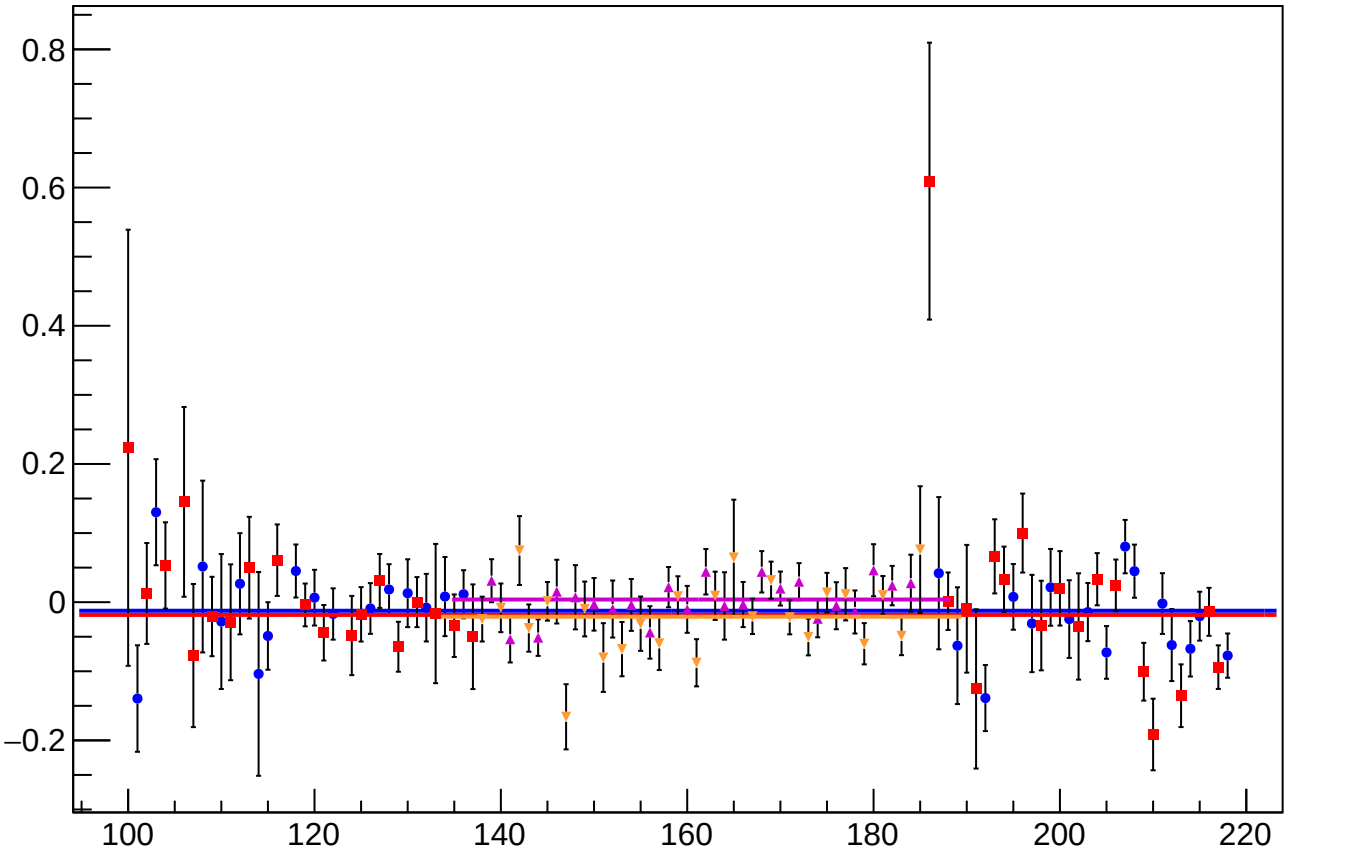
Right Out: 34.897+/-0.006 χ^2/NDF: 4230457.9/35

Left In: 28.389+/-0.005 χ^2/NDF:1098849.1/22

\+ sign 30.940+/-0.004 χ^2/NDF: 5705948.0/56

All: 30.983+/-0.003 χ^2/NDF: 11765195.0/115

\- sign 31.028+/-0.004 χ^2/NDF: 6058967.1/58



Right In: -0.012+/-0.008 χ^2/NDF: 37.5/31

Left Out: -0.021+/-0.007 χ^2/NDF:37.2/24

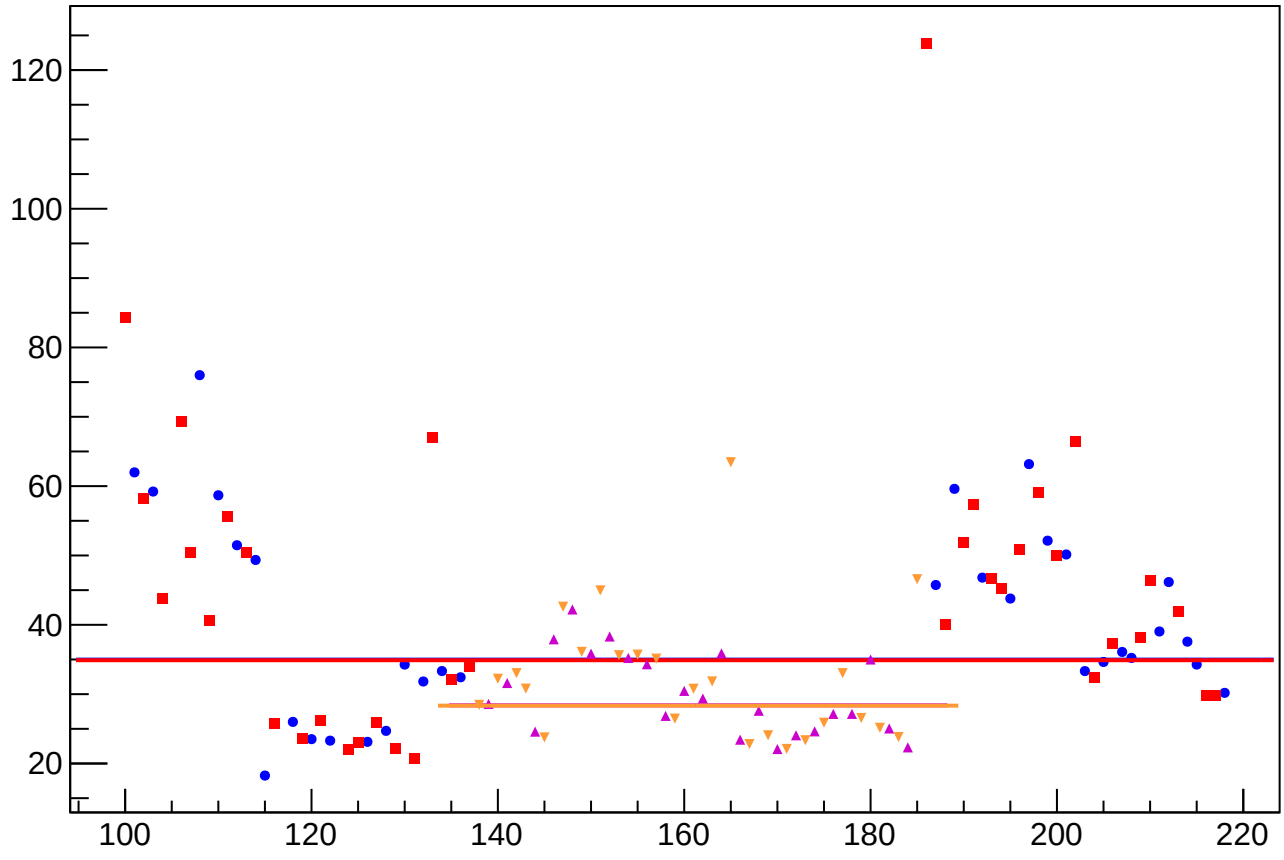
Right Out: -0.018+/-0.008 χ^2/NDF: 61.8/35

Left In: 0.004+/-0.007 χ^2/NDF:18.7/22

+ sign -0.018+/-0.005 χ^2/NDF: 75.3/56

All: -0.012+/-0.004 χ^2/NDF: 162.9/115

- sign -0.005+/-0.005 χ^2/NDF: 84.8/58



Right In: 34.981+/-0.006 χ^2/NDF: 3196893.0/31

Left Out: 28.342+/-0.005 χ^2/NDF:1733592.1/24

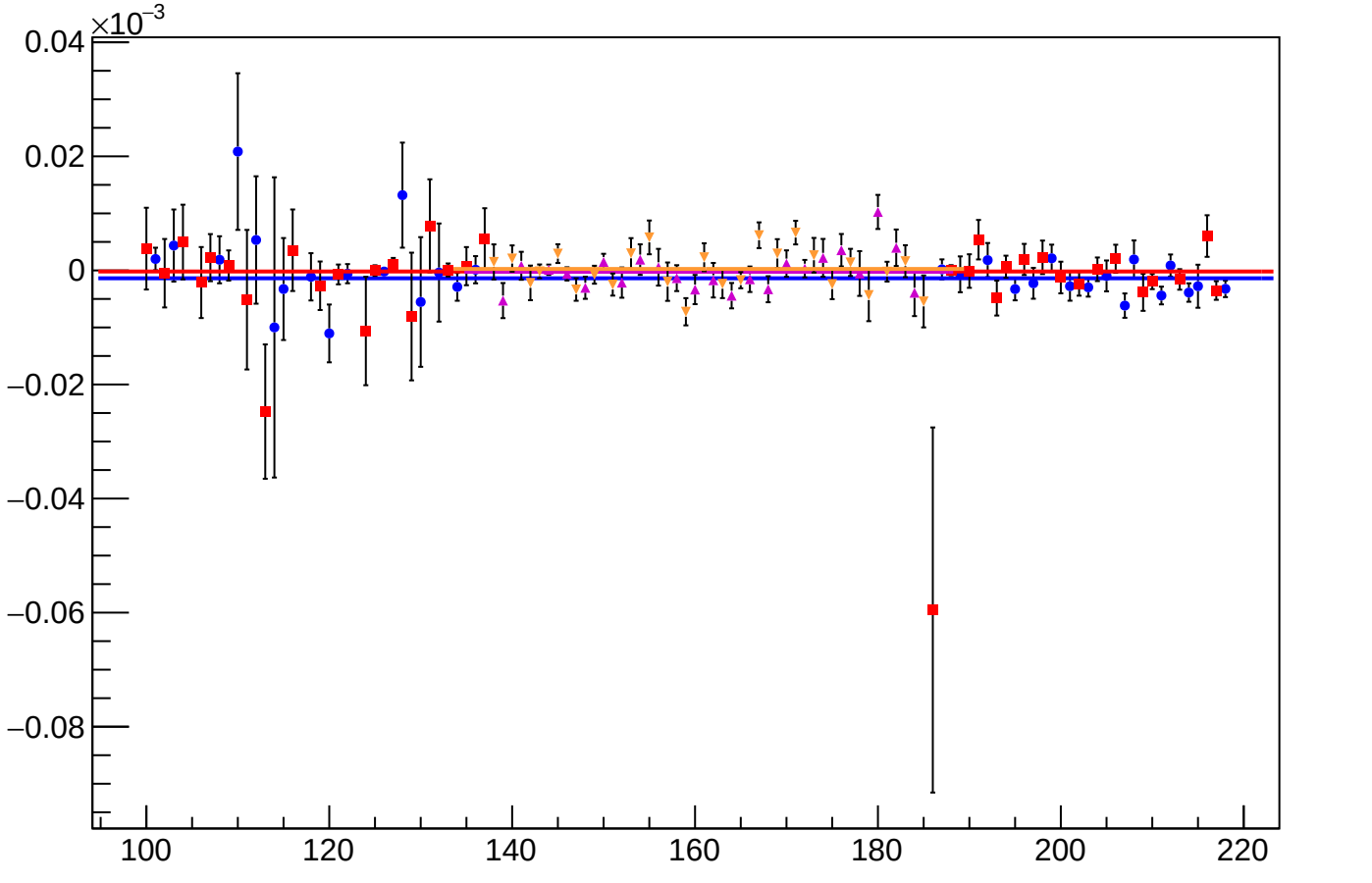
Right Out: 34.897+/-0.006 χ^2/NDF: 4230457.9/35

Left In: 28.389+/-0.005 χ^2/NDF:1098849.1/22

+ sign 30.940+/-0.004 χ^2/NDF: 5705948.0/56

All: 30.983+/-0.003 χ^2/NDF: 11765195.0/115

- sign 31.028+/-0.004 χ^2/NDF: 6058967.1/58



Right In: -0.000+/-0.000 χ^2/NDF: 38.6/31

Left Out: 0.000+/-0.000 χ^2/NDF:50.8/24

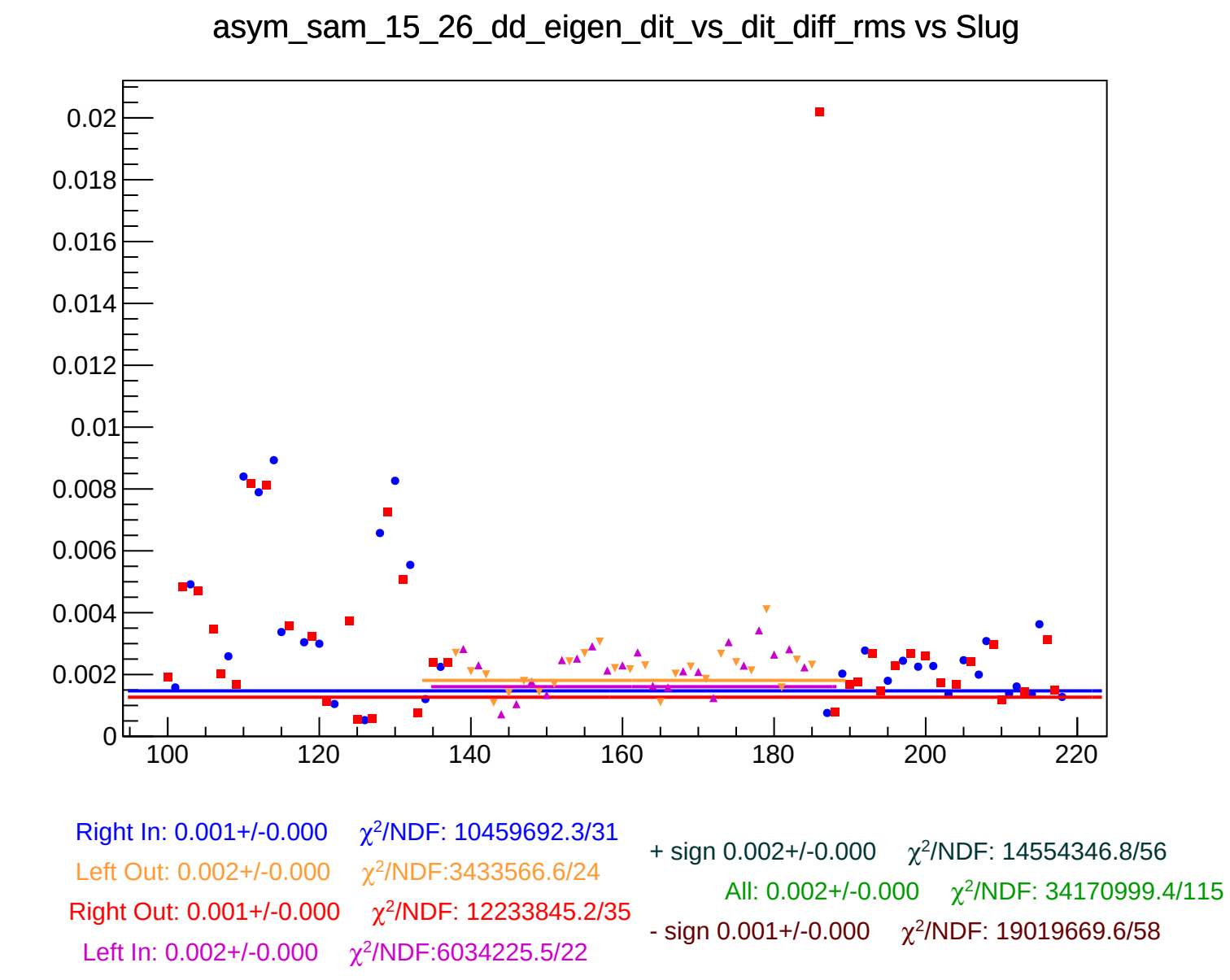
Right Out: -0.000+/-0.000 χ^2/NDF: 34.9/35

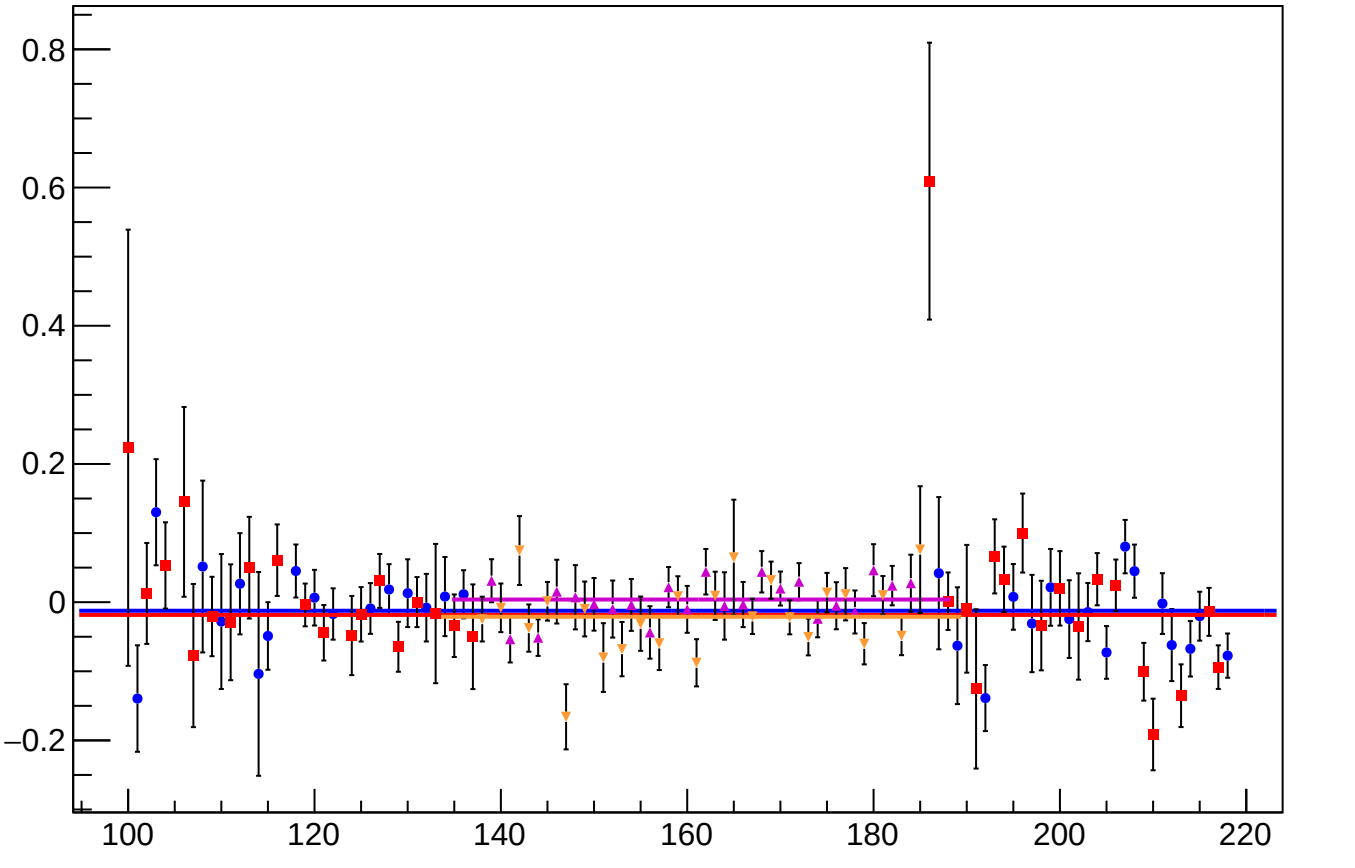
Left In: -0.000+/-0.000 χ^2/NDF:33.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 97.1/56

All: -0.000+/-0.000 χ^2/NDF: 166.4/115

- sign -0.000+/-0.000 χ^2/NDF: 68.2/58


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
200
220
Right In: 0.001+/-0.000 χ²/NDF: 10459692.3/31
Left Out: 0.002+/-0.000 χ²/NDF:3433566.6/24
Right Out: 0.001+/-0.000 χ²/NDF: 12233845.2/35
Left In: 0.002+/-0.000 χ²/NDF:6034225.5/22
+ sign 0.002+/-0.000 χ²/NDF: 14554346.8/56
All: 0.002+/-0.000 χ²/NDF: 34170999.4/115
- sign 0.001+/-0.000 χ²/NDF: 19019669.6/58



Right In: -0.012+/-0.008 χ^2/NDF: 37.5/31

Left Out: -0.021+/-0.007 χ^2/NDF:37.2/24

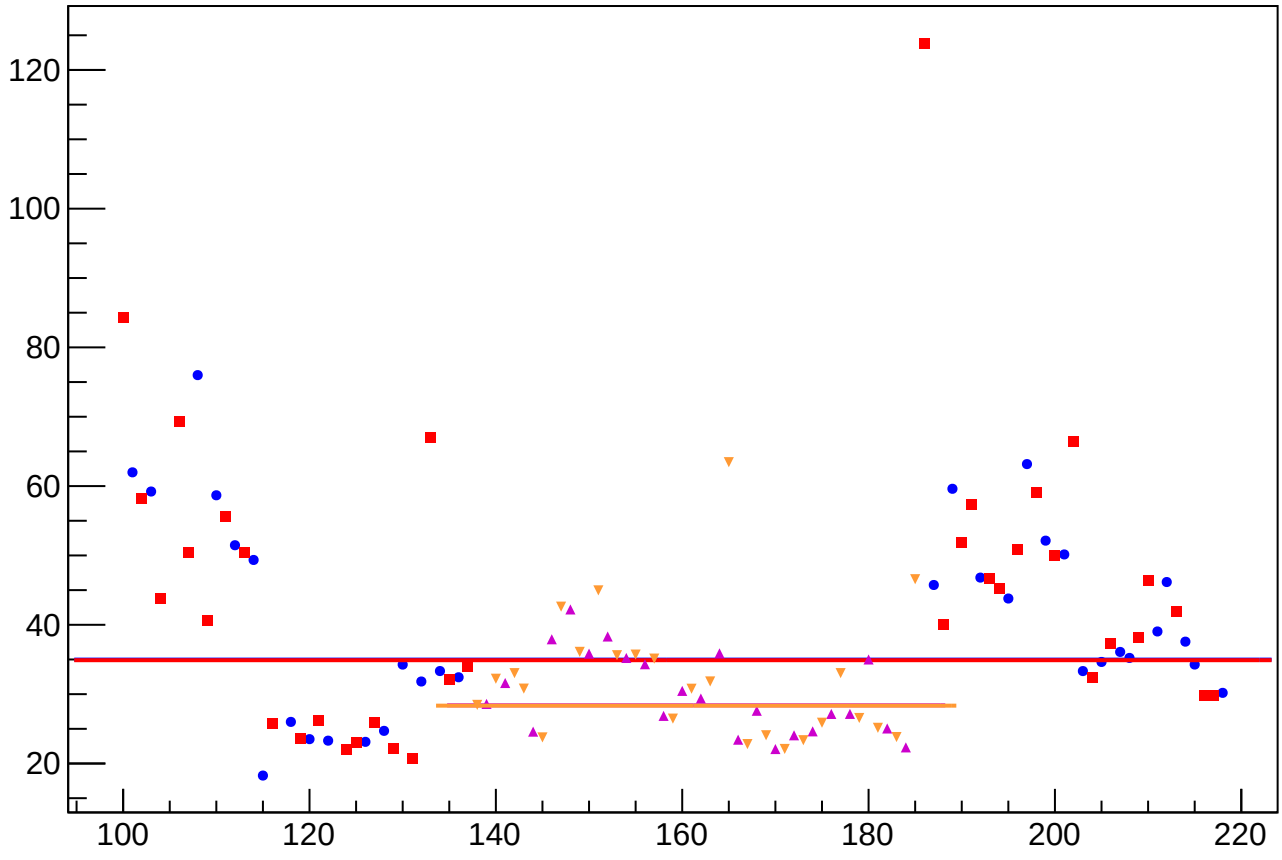
Right Out: -0.018+/-0.008 χ^2/NDF: 61.8/35

Left In: 0.004+/-0.007 χ^2/NDF:18.7/22

+ sign -0.018+/-0.005 χ^2/NDF: 75.3/56

All: -0.012+/-0.004 χ^2/NDF: 162.9/115

- sign -0.005+/-0.005 χ^2/NDF: 84.8/58



Right In: 34.981+/-0.006 χ^2/NDF: 3196761.7/31

Left Out: 28.342+/-0.005 χ^2/NDF:1733585.3/24

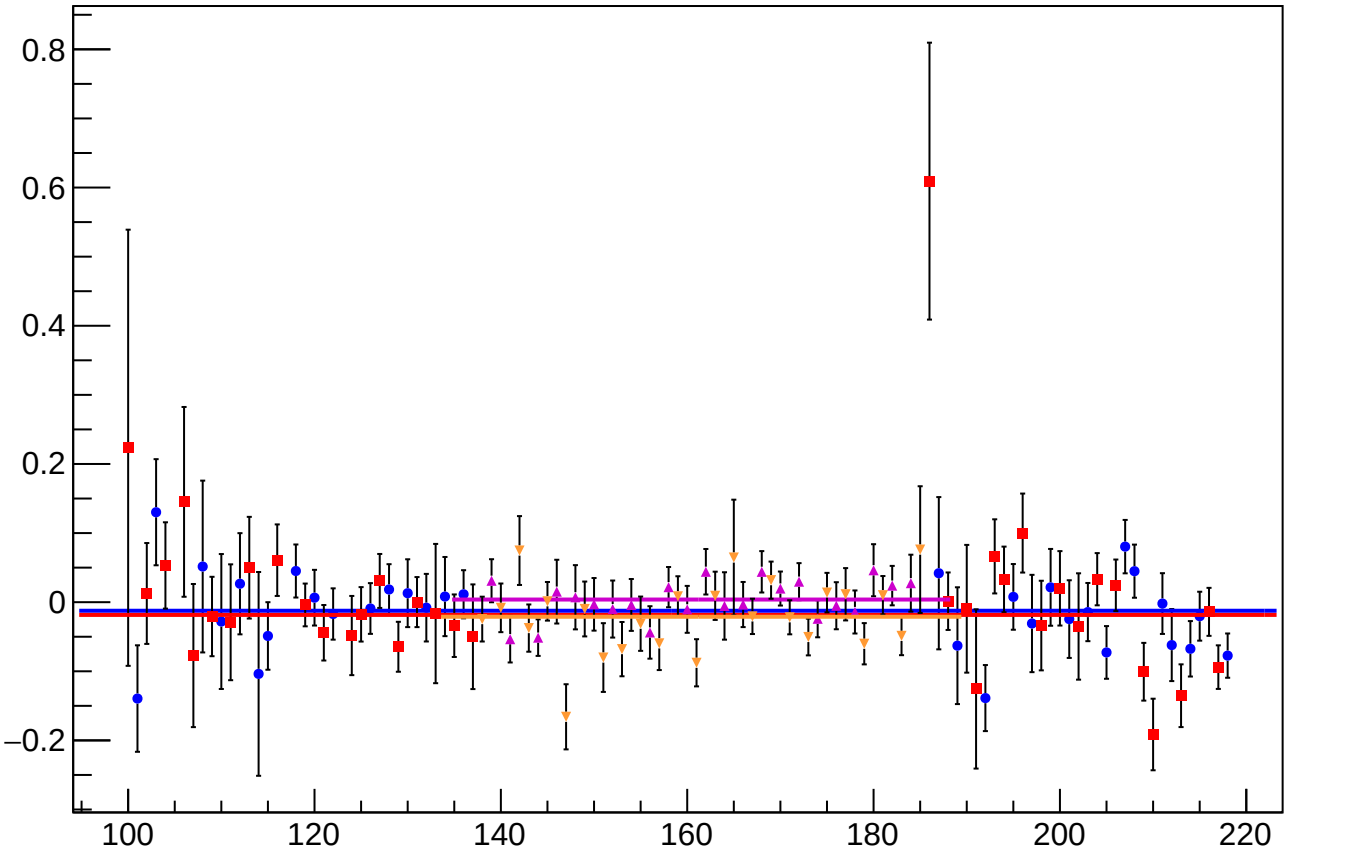
Right Out: 34.896+/-0.006 χ^2/NDF: 4230566.1/35

Left In: 28.389+/-0.005 χ^2/NDF:1098852.1/22

+ sign 30.940+/-0.004 χ^2/NDF: 5705800.9/56

All: 30.983+/-0.003 χ^2/NDF: 11765029.0/115

- sign 31.028+/-0.004 χ^2/NDF: 6058948.3/58



Right In: -0.012+/-0.008 χ^2/NDF: 37.5/31

Left Out: -0.021+/-0.007 χ^2/NDF:37.2/24

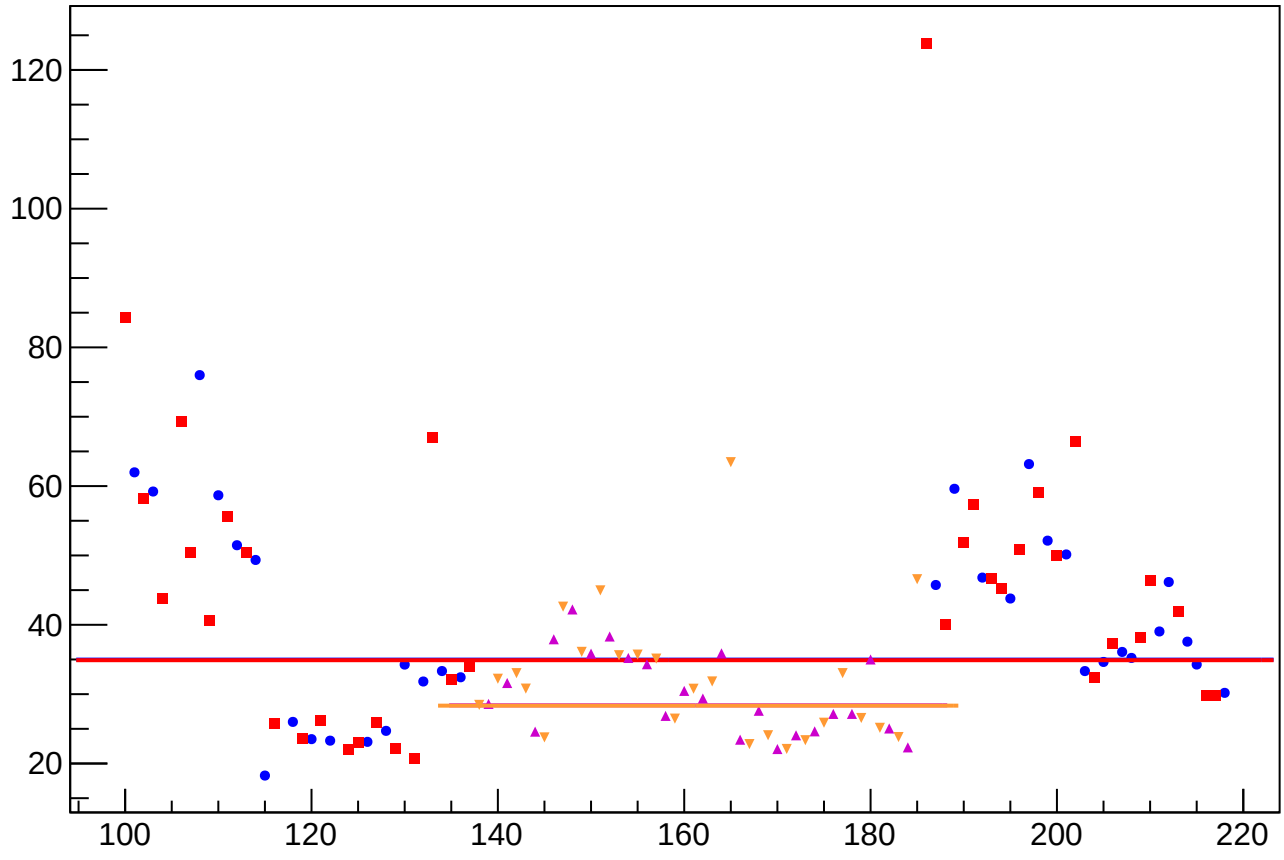
Right Out: -0.018+/-0.008 χ^2/NDF: 61.8/35

Left In: 0.004+/-0.007 χ^2/NDF:18.7/22

+ sign -0.018+/-0.005 χ^2/NDF: 75.3/56

All: -0.012+/-0.004 χ^2/NDF: 162.9/115

- sign -0.005+/-0.005 χ^2/NDF: 84.8/58



Right In: 34.981+/-0.006 χ^2/NDF: 3196761.7/31

Left Out: 28.342+/-0.005 χ^2/NDF:1733585.3/24

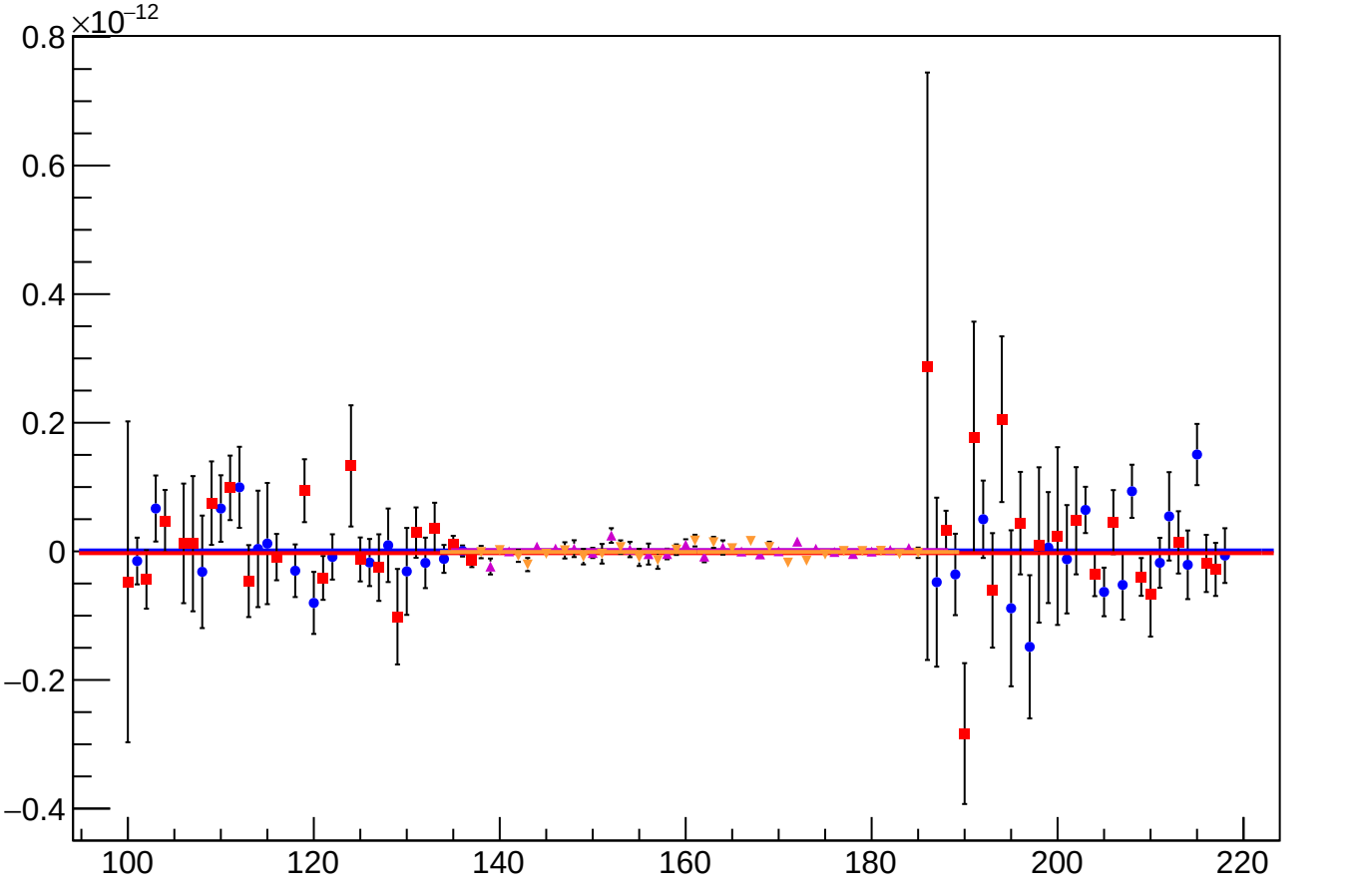
Right Out: 34.896+/-0.006 χ^2/NDF: 4230566.1/35

Left In: 28.389+/-0.005 χ^2/NDF:1098852.1/22

\+ sign 30.940+/-0.004 χ^2/NDF: 5705800.9/56

All: 30.983+/-0.003 χ^2/NDF: 11765029.0/115

\- sign 31.028+/-0.004 χ^2/NDF: 6058948.3/58



Right In: 0.000+/-0.000 χ^2/NDF: 37.0/31

Left Out: -0.000+/-0.000 χ^2/NDF:34.1/24

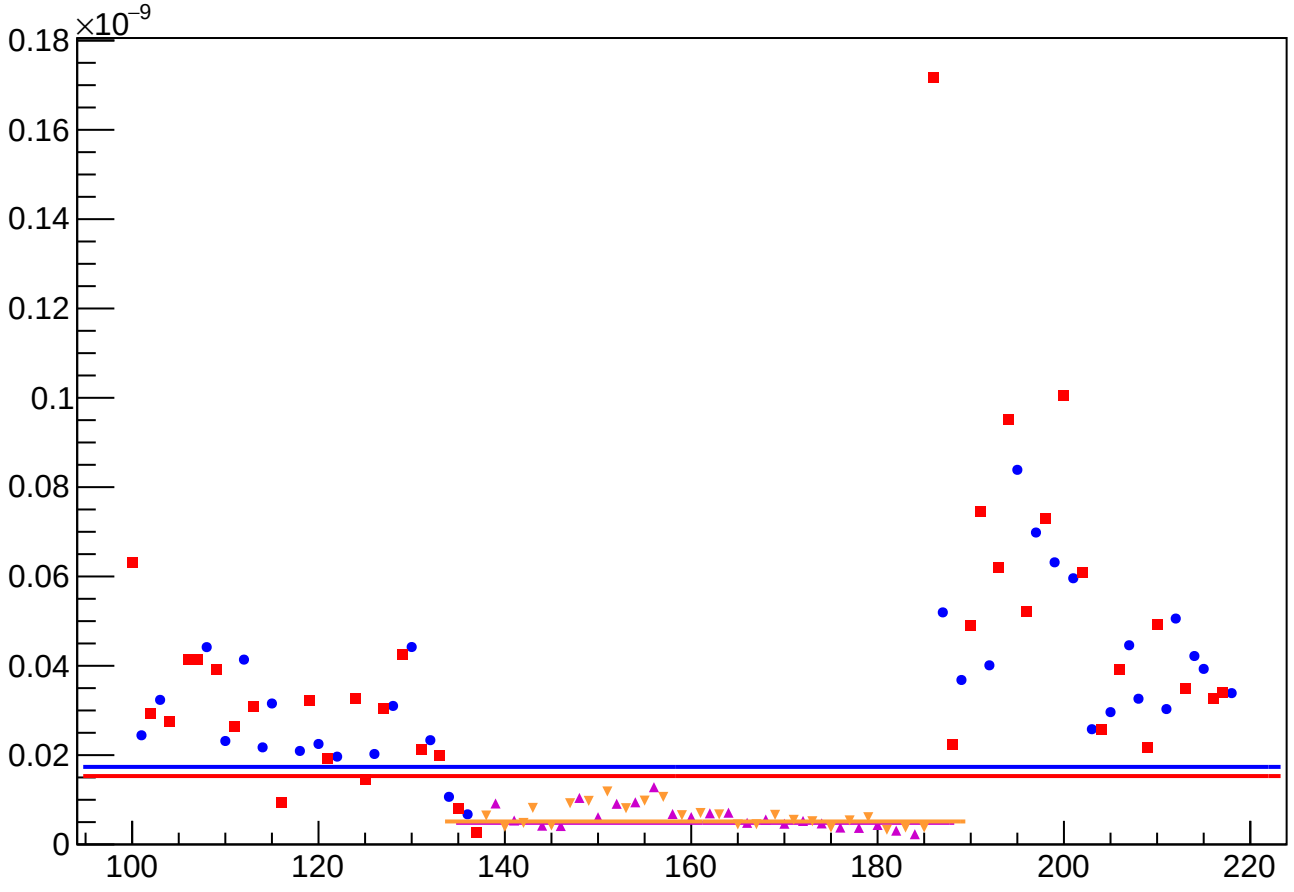
Right Out: -0.000+/-0.000 χ^2/NDF: 39.6/35

Left In: 0.000+/-0.000 χ^2/NDF:19.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 71.2/56

All: 0.000+/-0.000 χ^2/NDF: 132.5/115

- sign 0.000+/-0.000 χ^2/NDF: 59.8/58



Right In: 0.000+/-0.000 χ^2/NDF: 10247359.0/31

Left Out: 0.000+/-0.000 χ^2/NDF:3035355.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 12426748.5/35

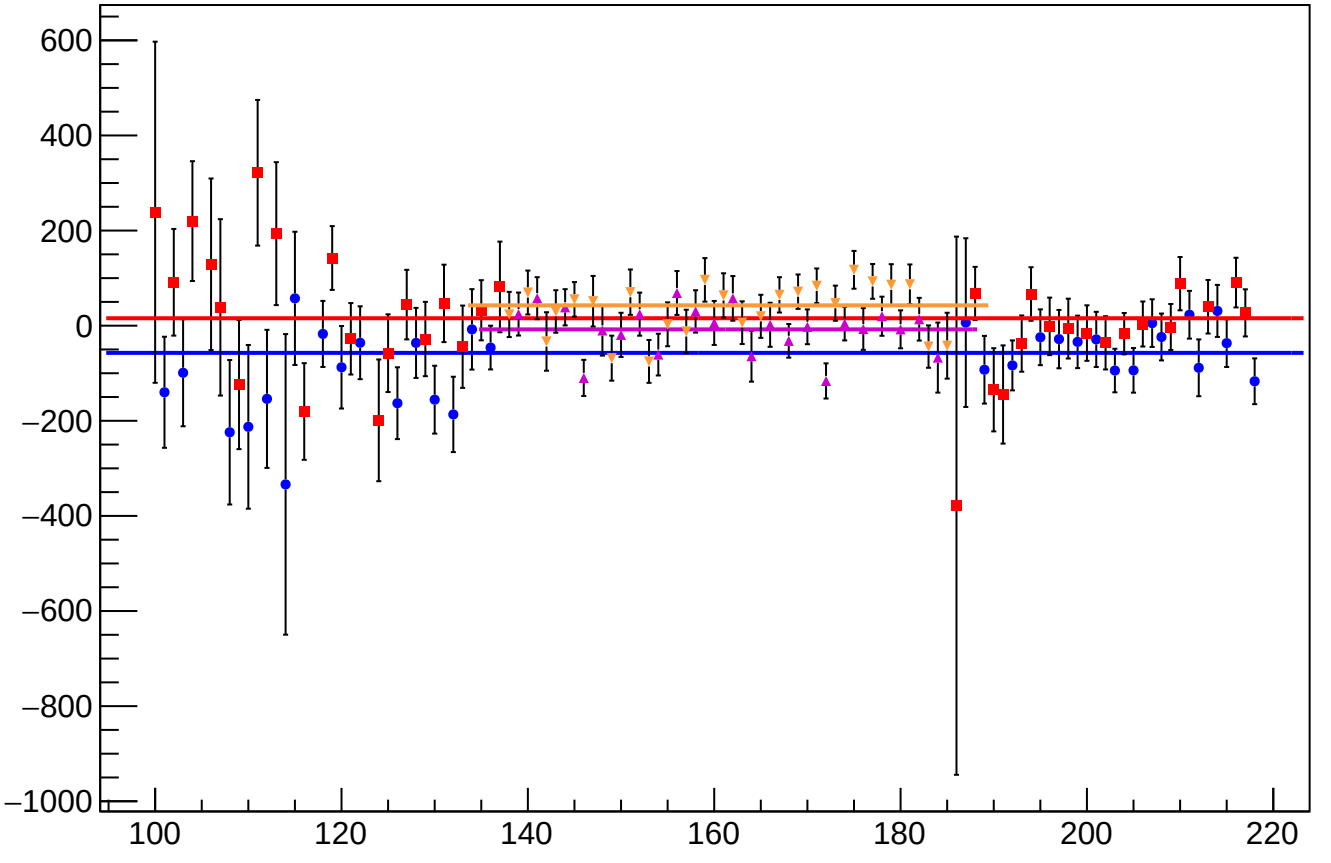
Left In: 0.000+/-0.000 χ^2/NDF:3040812.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 20933656.9/56

All: 0.000+/-0.000 χ^2/NDF: 42382050.5/115

- sign 0.000+/-0.000 χ^2/NDF: 21371212.4/58

reg_asym_sam_37_26_dd_mean vs Slug



Right In: -57.183+/-11.522 χ^2/NDF: 24.1/31

Left Out: 42.765+/-8.698 χ^2/NDF:34.7/24

Right Out: 15.651+/-11.827 χ^2/NDF: 37.7/35

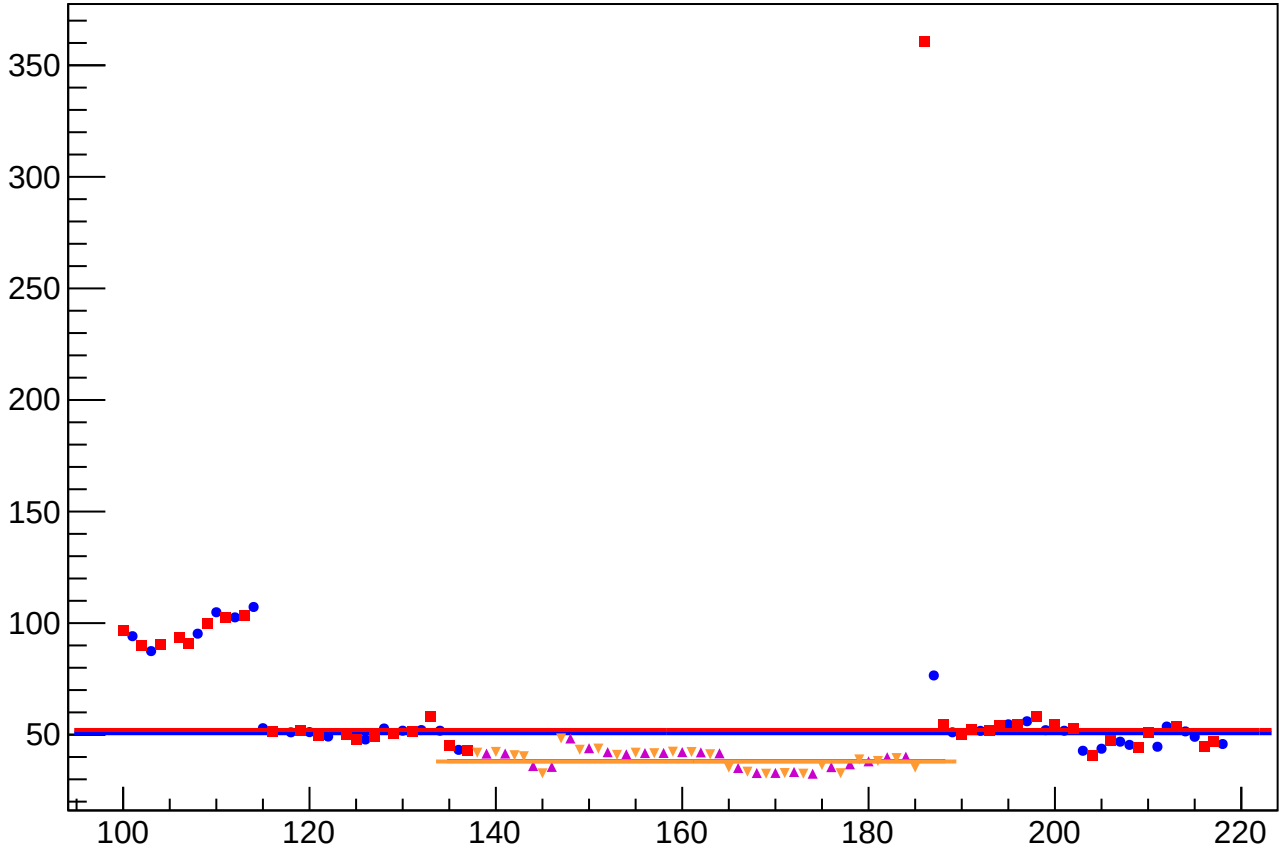
Left In: -7.783+/-8.974 χ^2/NDF:30.6/22

+ sign 6.482+/-6.942 χ^2/NDF: 106.8/56

All: 3.714+/-4.980 χ^2/NDF: 177.8/115

- sign 0.779+/-7.149 χ^2/NDF: 70.7/58

reg_asym_sam_37_26_dd_rms vs Slug



Right In: 50.652+/-0.008 χ^2/NDF: 1505792.6/31

Left Out: 37.990+/-0.006 χ^2/NDF:513605.5/24

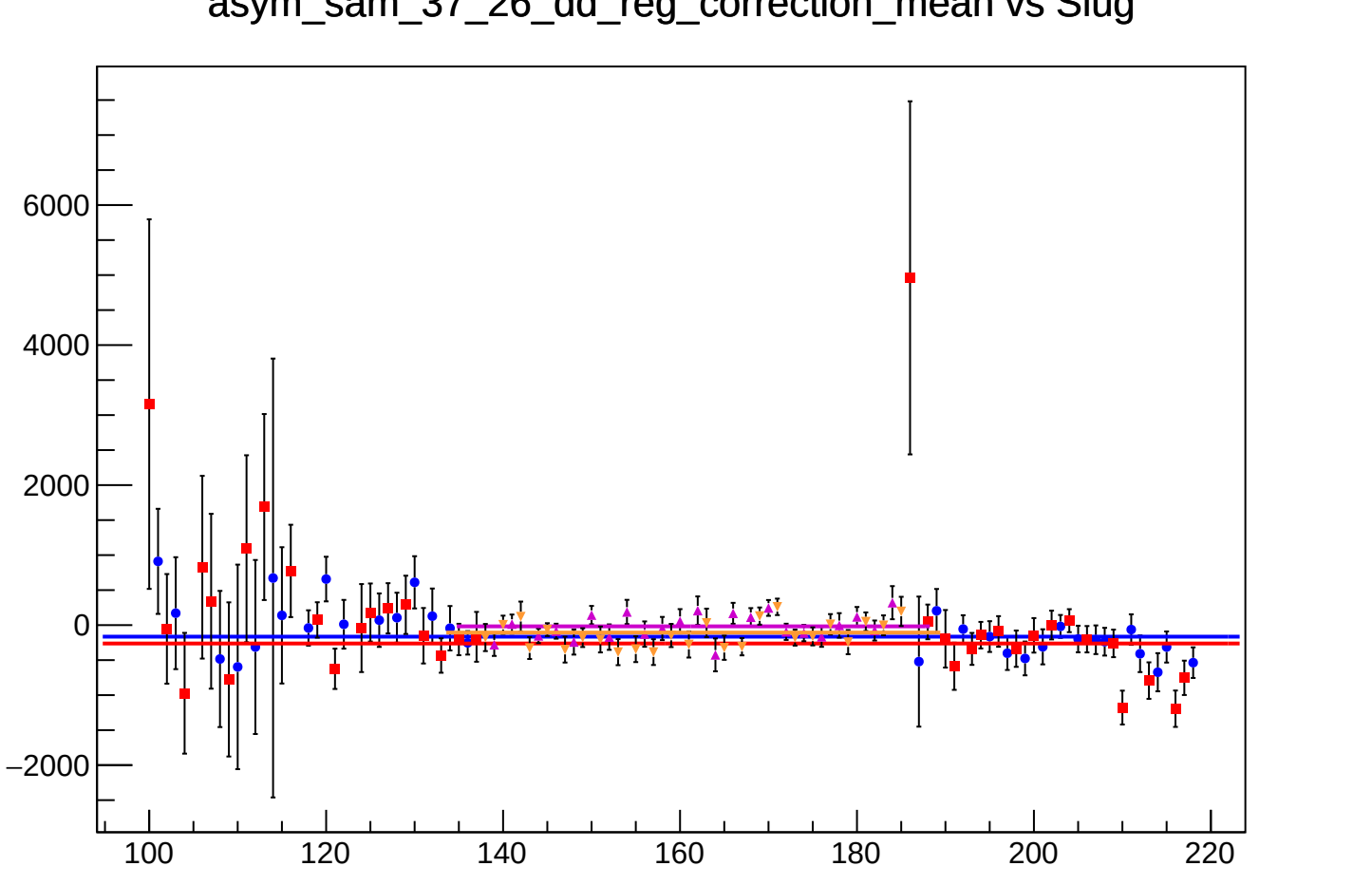
Right Out: 52.113+/-0.008 χ^2/NDF: 2303882.2/35

Left In: 38.133+/-0.006 χ^2/NDF:428309.7/22

+ sign 42.586+/-0.005 χ^2/NDF: 3557953.4/56

All: 42.904+/-0.004 χ^2/NDF: 8072149.9/115

- sign 43.241+/-0.005 χ^2/NDF: 4505565.2/58



Right In: -164.869+/-48.381 χ^2/NDF: 29.8/31

Left Out: -106.506+/-29.563 χ^2/NDF:37.6/24

Right Out: -262.687+/-48.942 χ^2/NDF: 67.5/35

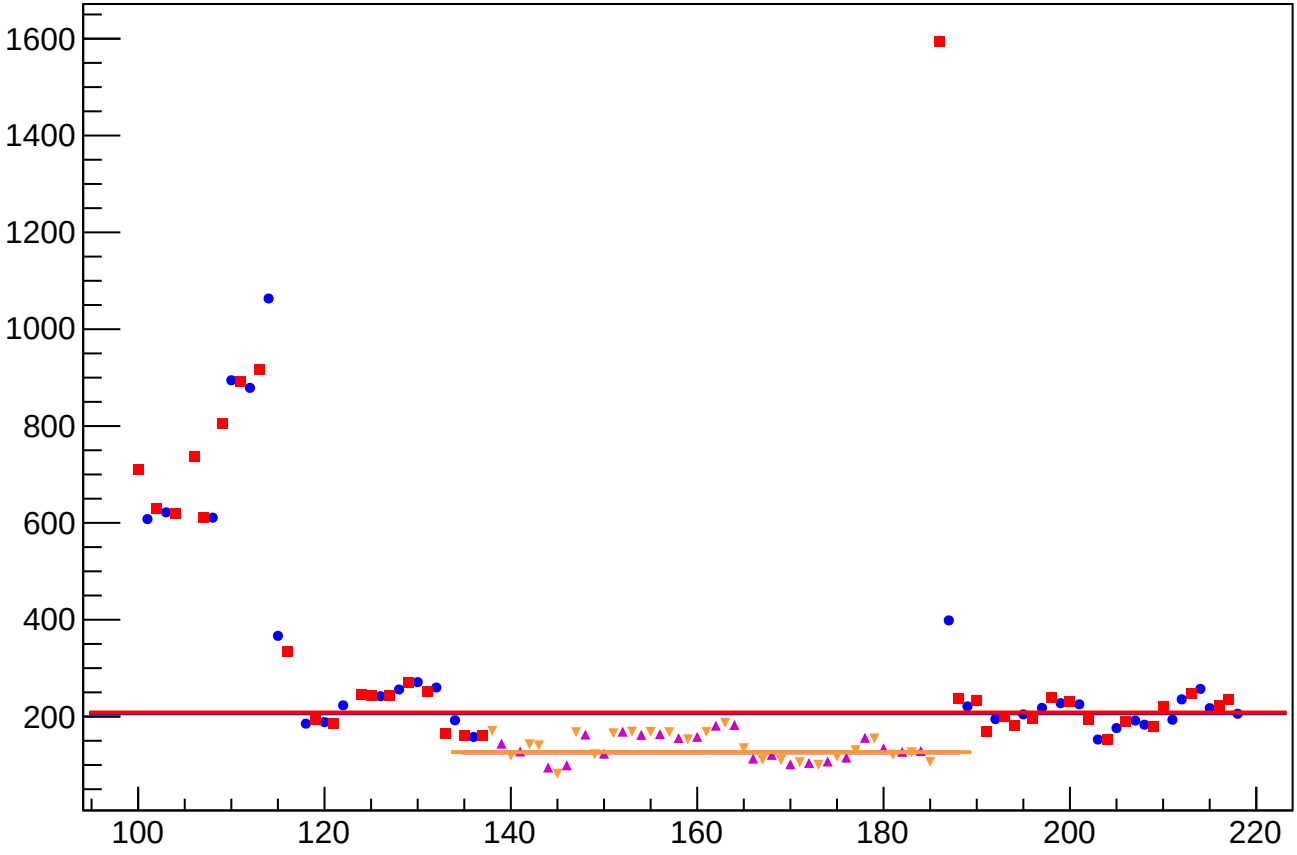
Left In: -17.517+/-30.185 χ^2/NDF:28.2/22

+ sign -122.373+/-25.226 χ^2/NDF: 68.5/56

All: -104.066+/-18.000 χ^2/NDF: 183.5/115

- sign -85.076+/-25.692 χ^2/NDF: 114.0/58

asym_sam_37_26_dd_reg_correction_rms vs Slug



Right In: 206.818+/-0.034 χ^2/NDF: 3577939.9/31

Left Out: 126.561+/-0.021 χ^2/NDF:1758158.3/24

Right Out: 208.341+/-0.035 χ^2/NDF: 4859265.1/35

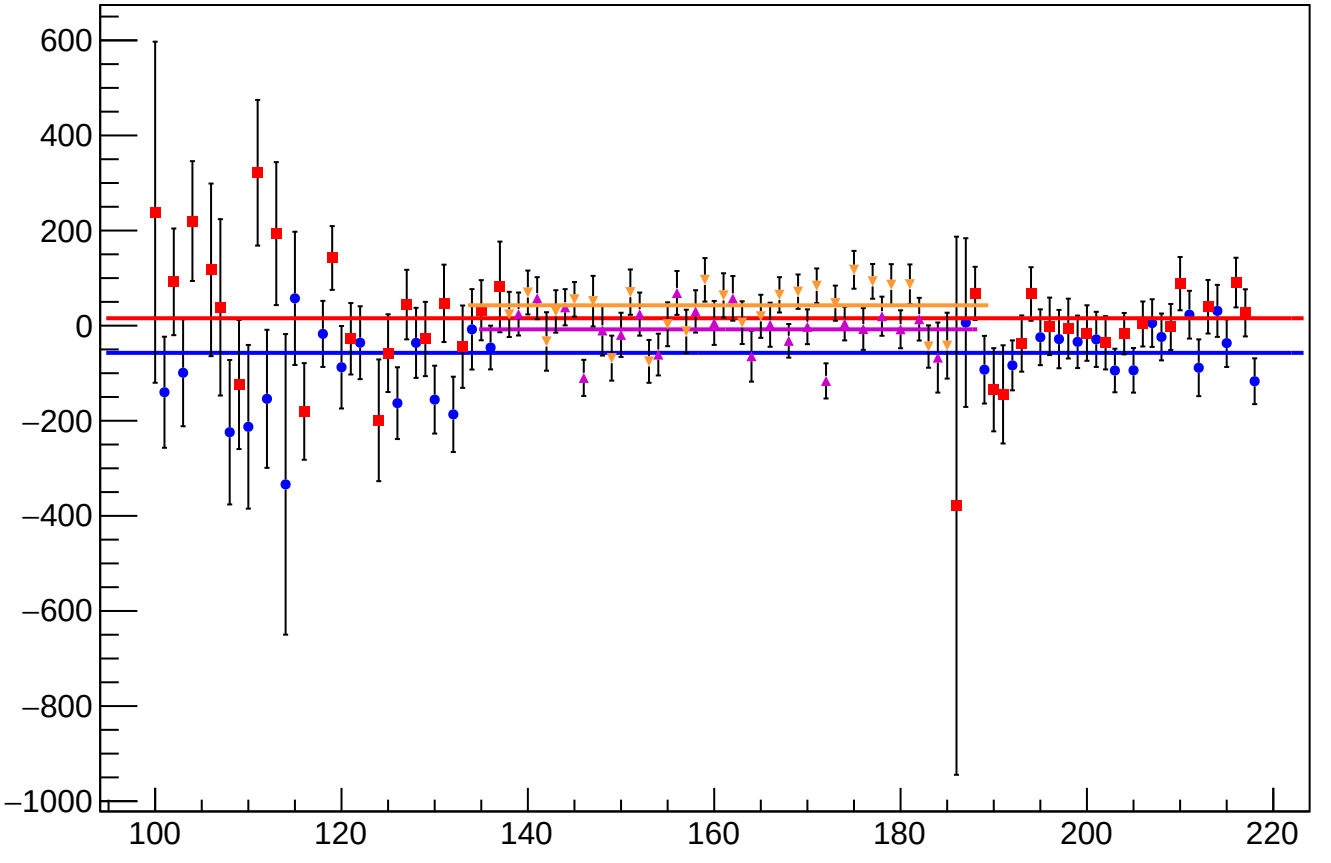
Left In: 126.013+/-0.021 χ^2/NDF:1410655.7/22

+ sign 148.380+/-0.018 χ^2/NDF: 9343439.6/56

All: 148.537+/-0.013 χ^2/NDF: 19713227.9/11

- sign 148.700+/-0.018 χ^2/NDF: 10369630.8/58

cor_asym_sam_37_26_dd_mean vs Slug



Right In: -57.181+/-11.522 χ^2/NDF: 24.1/31

Left Out: 42.767+/-8.698 χ^2/NDF:34.7/24

Right Out: 15.604+/-11.827 χ^2/NDF: 37.6/35

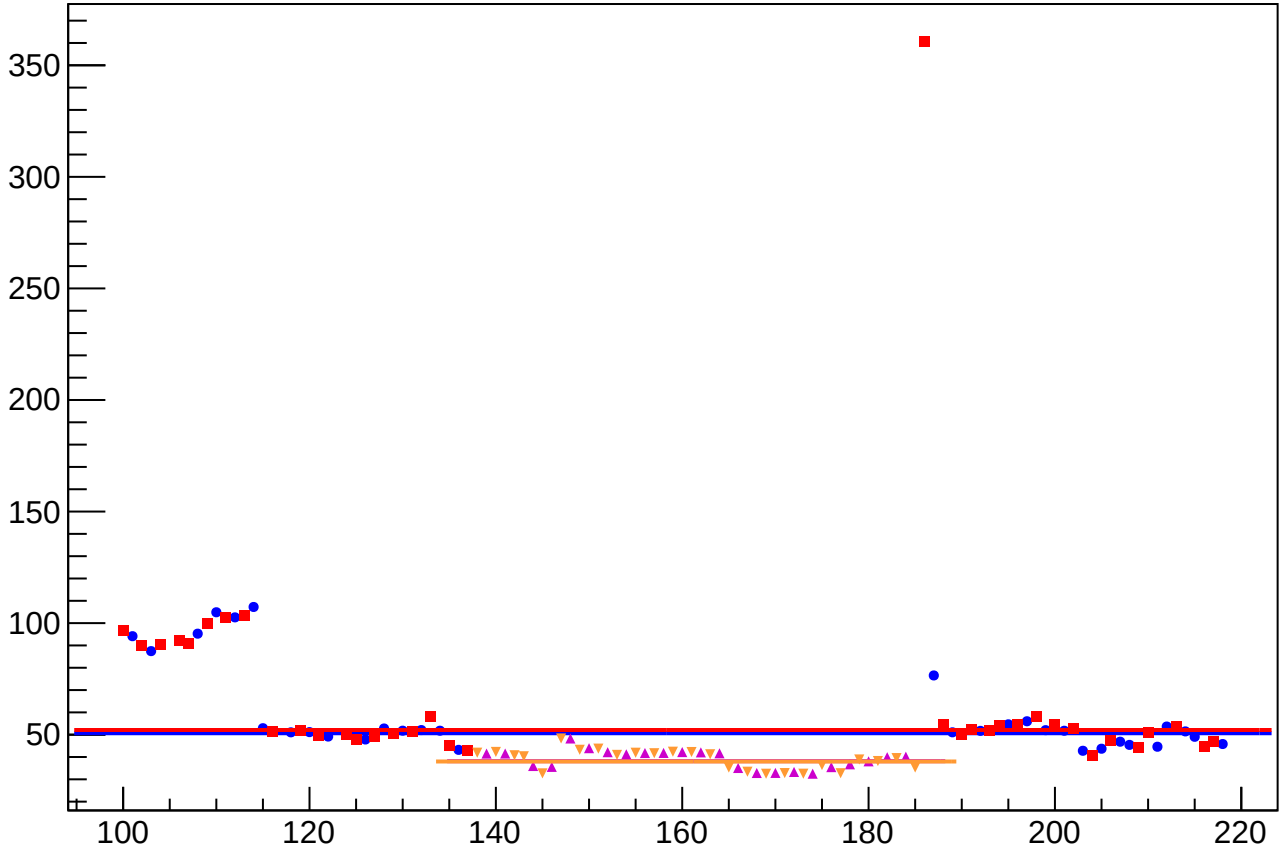
Left In: -7.785+/-8.974 χ^2/NDF:30.6/22

+ sign 6.484+/-6.942 χ^2/NDF: 106.8/56

All: 3.707+/-4.980 χ^2/NDF: 177.7/115

- sign 0.761+/-7.149 χ^2/NDF: 70.7/58

cor_asym_sam_37_26_dd_rms vs Slug



Right In: 50.652+/-0.008 χ^2/NDF: 1505792.9/31

Left Out: 37.990+/-0.006 χ^2/NDF:513605.5/24

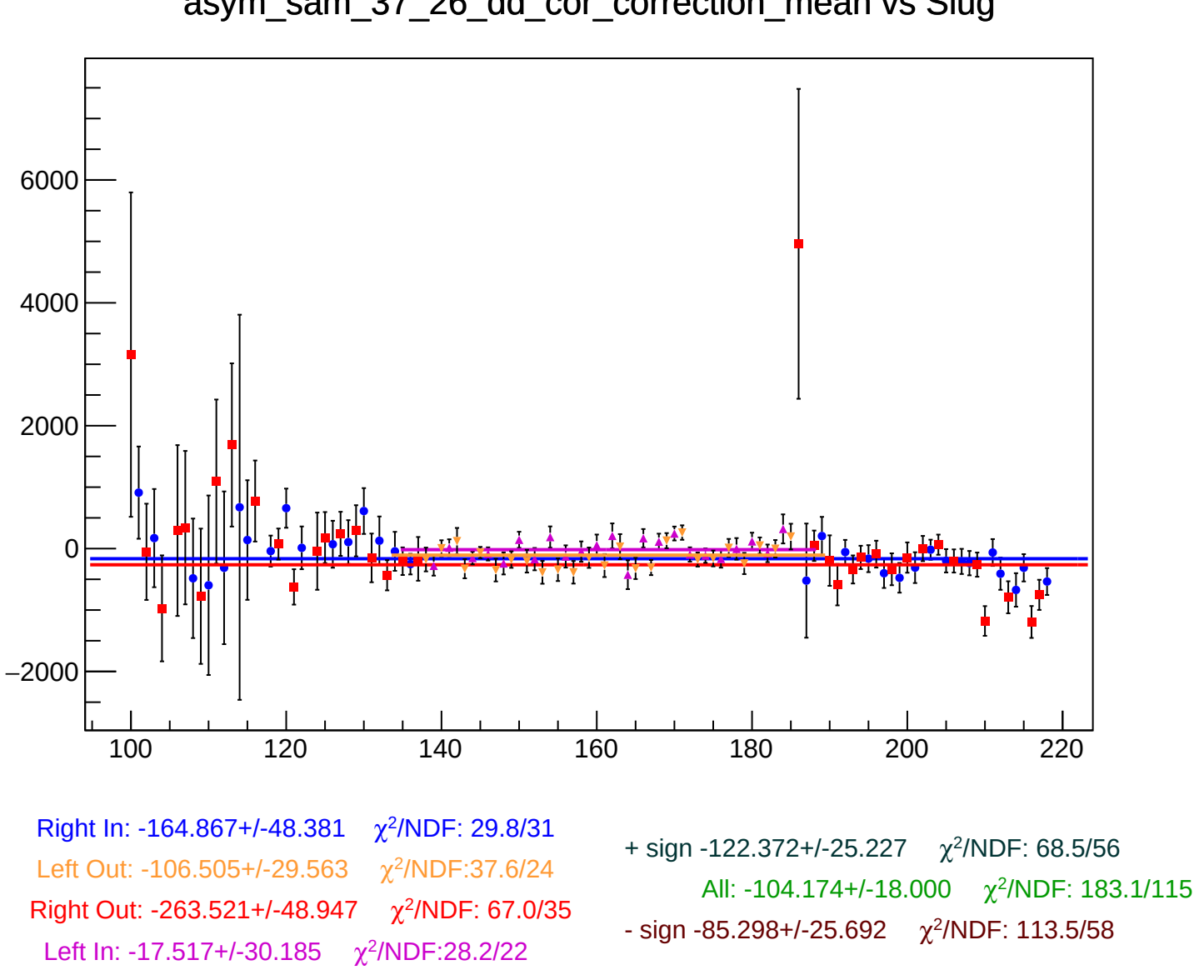
Right Out: 52.104+/-0.008 χ^2/NDF: 2295174.1/35

Left In: 38.133+/-0.006 χ^2/NDF:428309.7/22

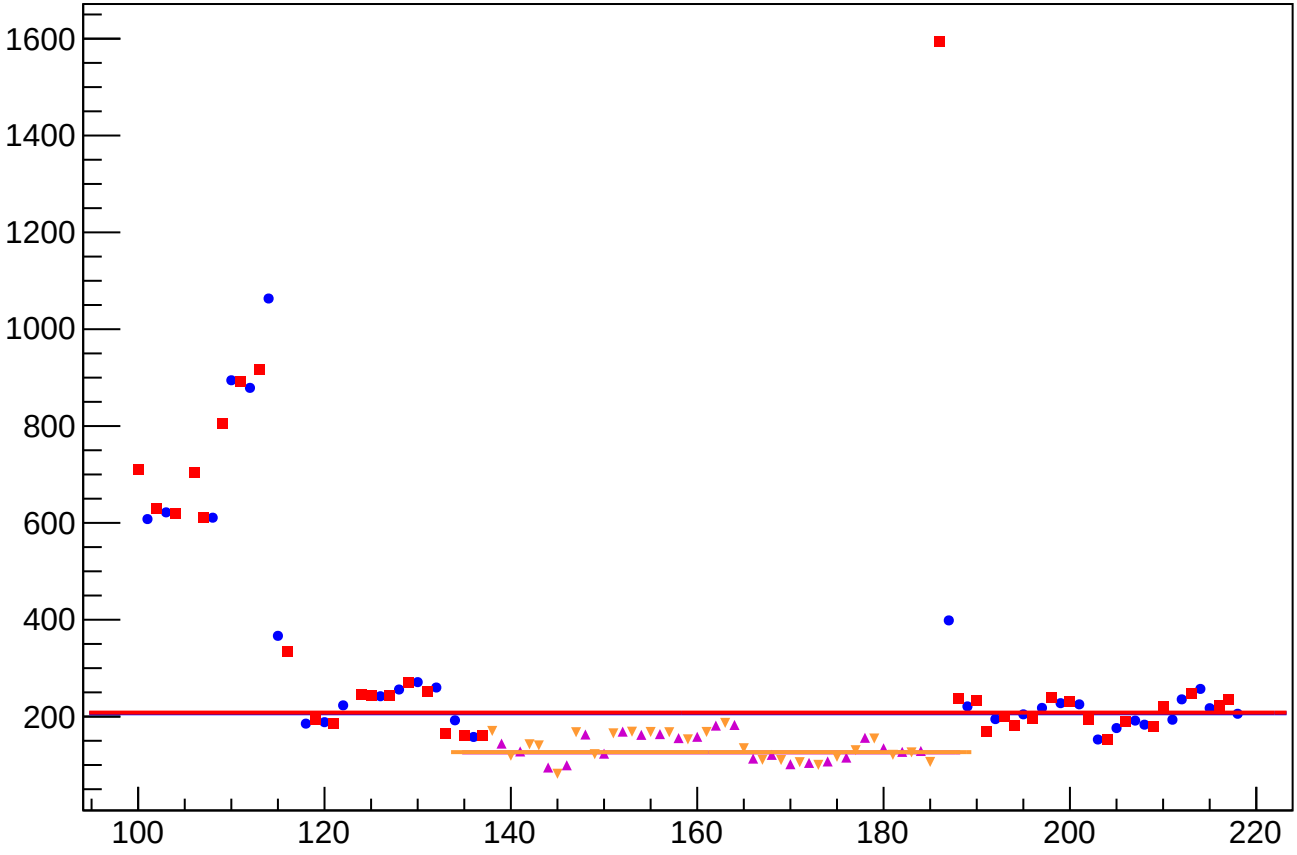
+ sign 42.586+/-0.005 χ^2/NDF: 3557953.6/56

All: 42.902+/-0.004 χ^2/NDF: 8061113.3/115

- sign 43.238+/-0.005 χ^2/NDF: 4494615.8/58


asym_sam_37_26_dd_cor_correction_mean vs Slug
6000
4000
2000
0
−2000
100
120
140
160
180
200
220
Right In: -164.867+/-48.381 χ²/NDF: 29.8/31
Left Out: -106.505+/-29.563 χ²/NDF:37.6/24
Right Out: -263.521+/-48.947 χ²/NDF: 67.0/35
Left In: -17.517+/-30.185 χ²/NDF:28.2/22
+ sign -122.372+/-25.227 χ²/NDF: 68.5/56
All: -104.174+/-18.000 χ²/NDF: 183.1/115
- sign -85.298+/-25.692 χ²/NDF: 113.5/58

asym_sam_37_26_dd_cor_correction_rms vs Slug



Right In: 206.818+/-0.034 χ^2/NDF: 3577948.7/31

Left Out: 126.561+/-0.021 χ^2/NDF:1758151.9/24

Right Out: 208.213+/-0.035 χ^2/NDF: 4786576.2/35

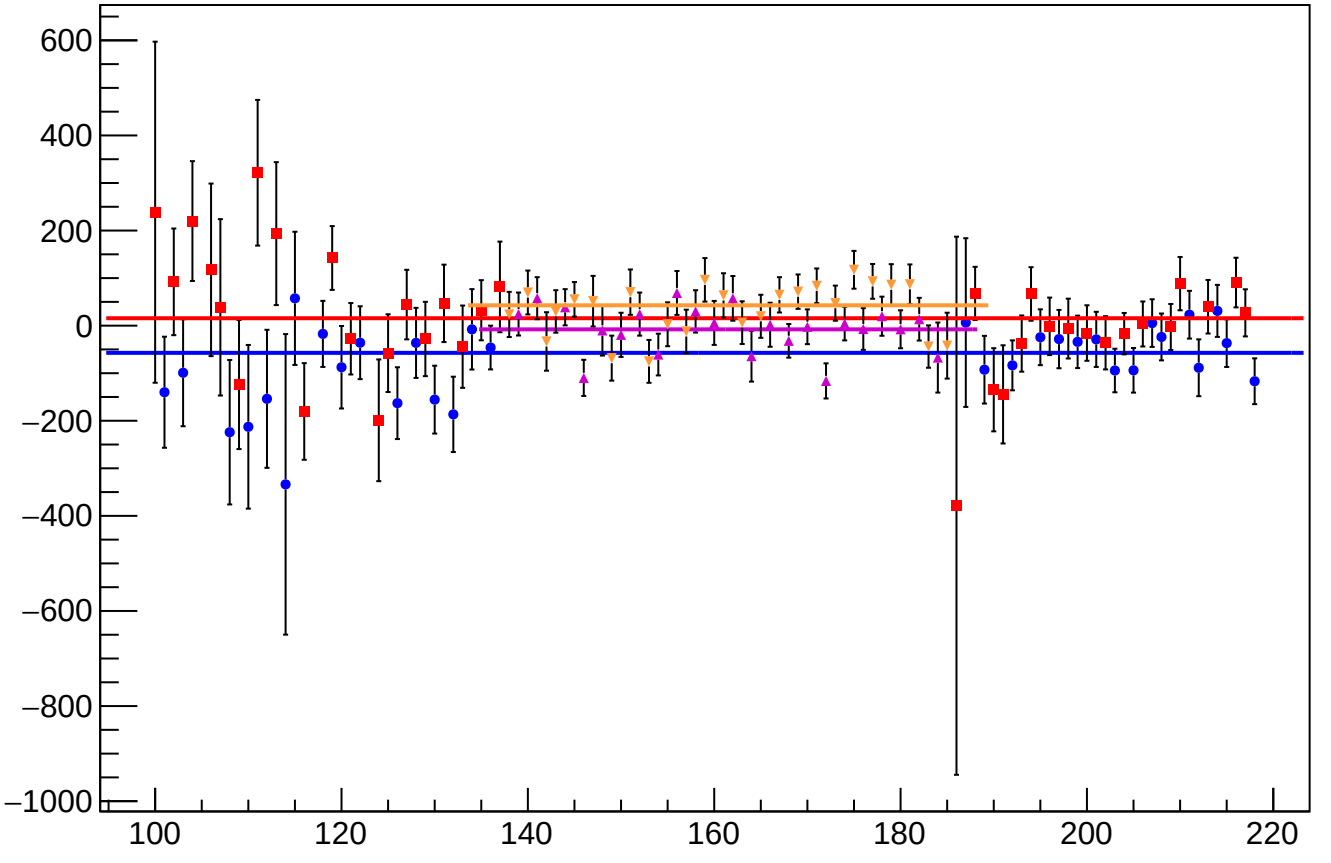
Left In: 126.013+/-0.021 χ^2/NDF:1410664.0/22

+ sign 148.380+/-0.018 χ^2/NDF: 9343435.0/56

All: 148.518+/-0.013 χ^2/NDF: 19627234.9/11

- sign 148.662+/-0.018 χ^2/NDF: 10283677.9/58

eigen_cor_asym_sam_37_26_dd_mean vs Slug



Right In: -57.181+/-11.522 χ^2/NDF: 24.1/31

Left Out: 42.767+/-8.698 χ^2/NDF:34.7/24

Right Out: 15.604+/-11.827 χ^2/NDF: 37.6/35

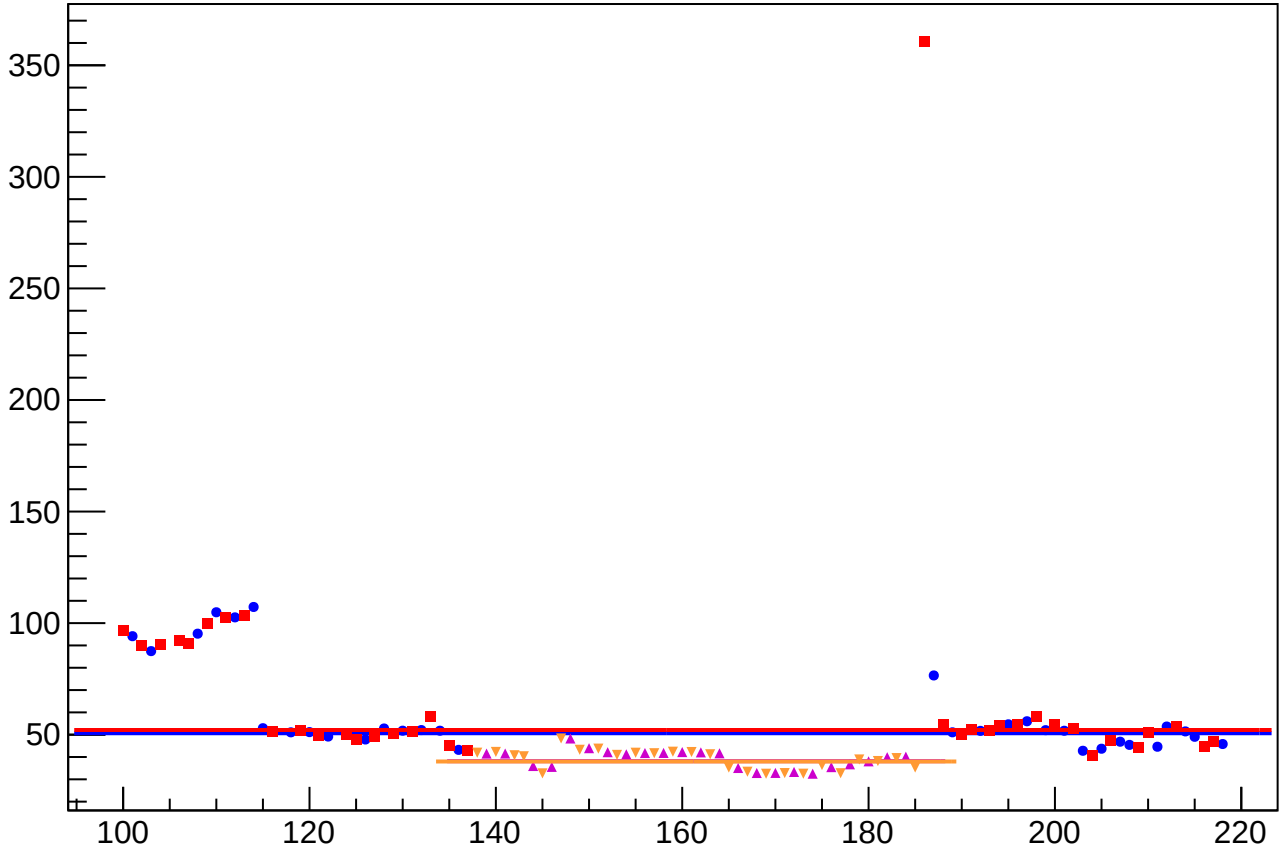
Left In: -7.785+/-8.974 χ^2/NDF:30.6/22

+ sign 6.484+/-6.942 χ^2/NDF: 106.8/56

All: 3.707+/-4.980 χ^2/NDF: 177.7/115

- sign 0.761+/-7.149 χ^2/NDF: 70.7/58

eigen_cor_asym_sam_37_26_dd_rms vs Slug



Right In: 50.652+/-0.008 χ^2/NDF: 1505792.9/31

Left Out: 37.990+/-0.006 χ^2/NDF:513605.5/24

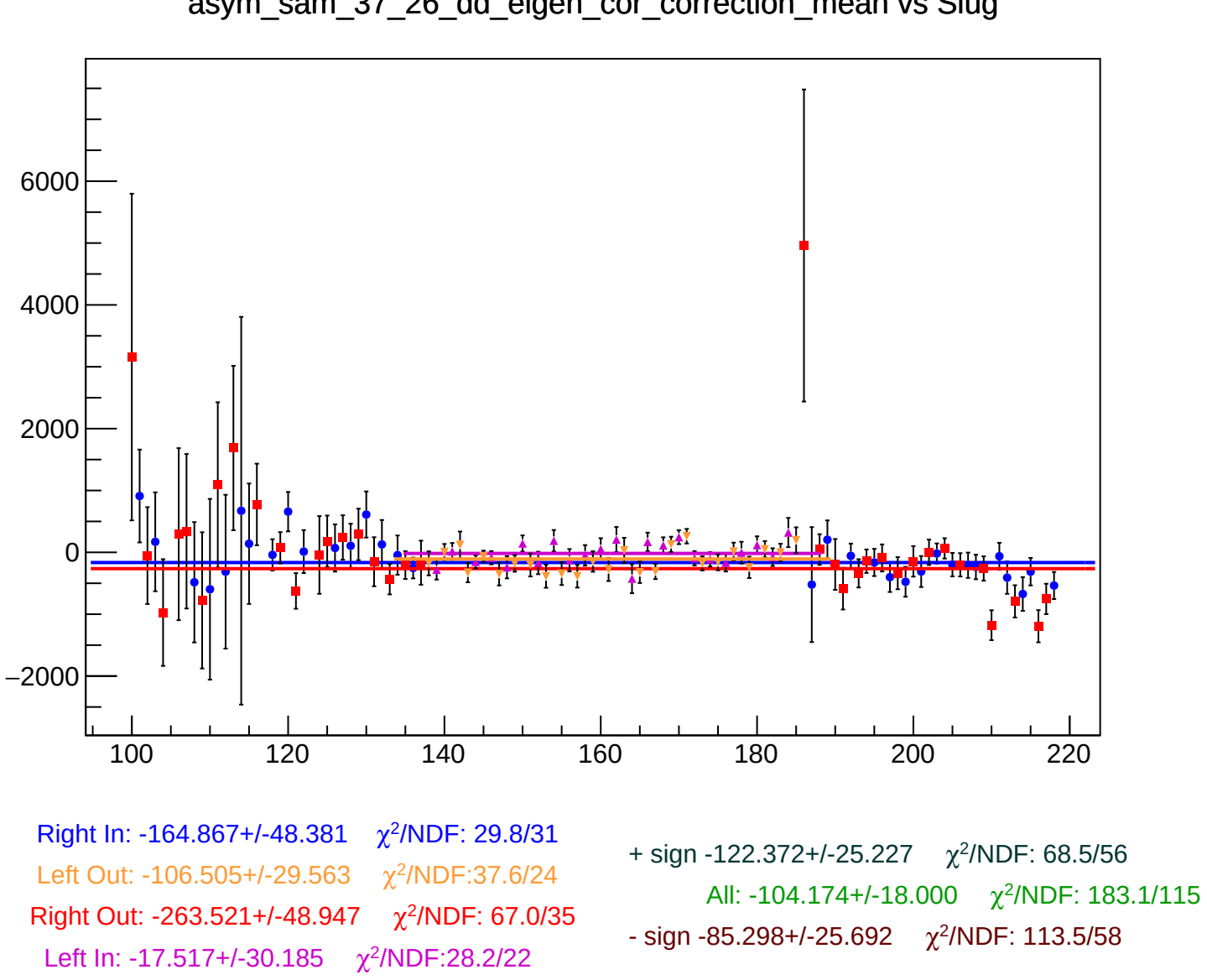
Right Out: 52.104+/-0.008 χ^2/NDF: 2295174.1/35

Left In: 38.133+/-0.006 χ^2/NDF:428309.7/22

\+ sign 42.586+/-0.005 χ^2/NDF: 3557953.6/56

All: 42.902+/-0.004 χ^2/NDF: 8061113.3/115

\- sign 43.238+/-0.005 χ^2/NDF: 4494615.8/58


asym_sam_37_26_dd_eigen_cor_correction_mean vs Slug
6000
4000
2000
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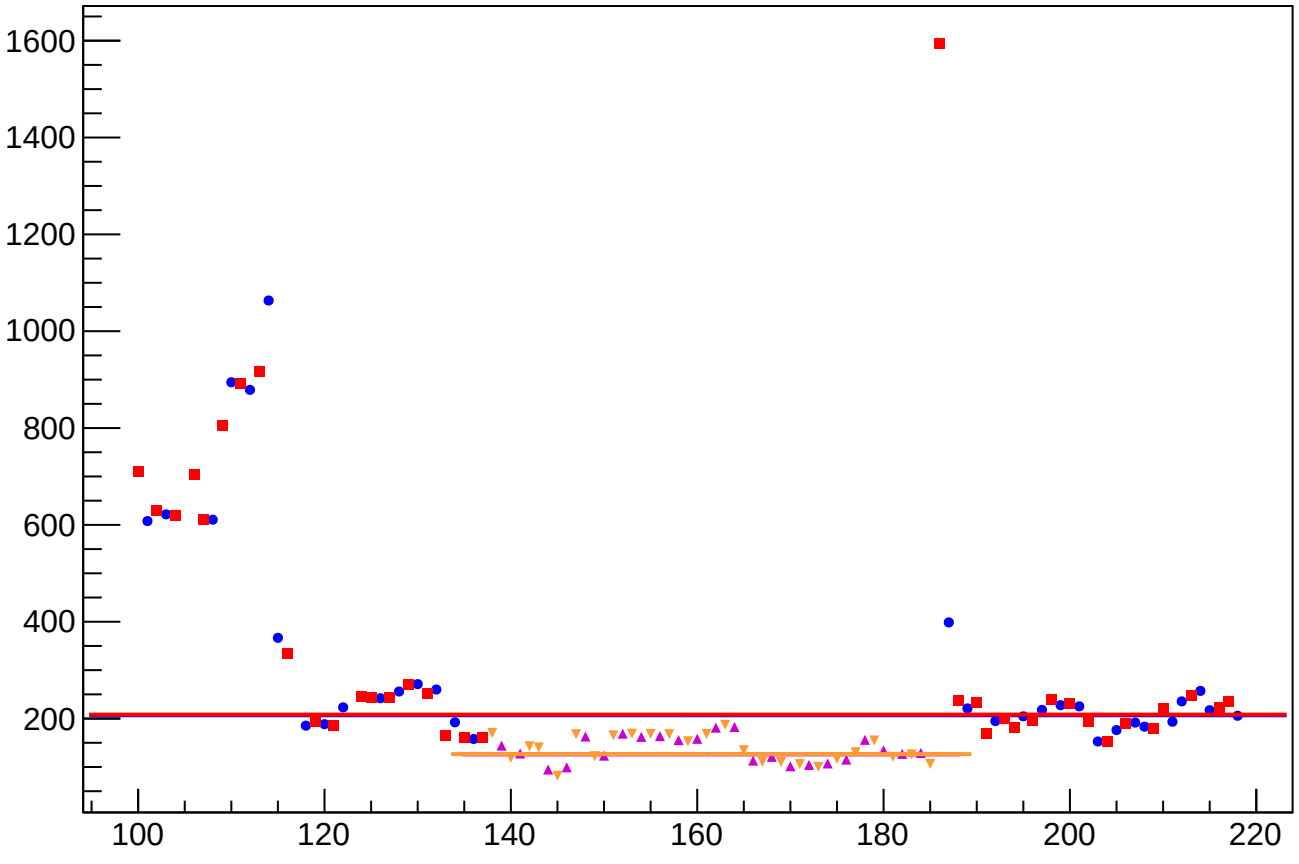
−2000
100
120
140
160
180
200
220
Right In: -164.867+/-48.381 χ²/NDF: 29.8/31
Left Out: -106.505+/-29.563 χ²/NDF:37.6/24
Right Out: -263.521+/-48.947 χ²/NDF: 67.0/35
Left In: -17.517+/-30.185 χ²/NDF:28.2/22
+ sign -122.372+/-25.227 χ²/NDF: 68.5/56
All: -104.174+/-18.000 χ²/NDF: 183.1/115
- sign -85.298+/-25.692 χ²/NDF: 113.5/58



Right In: 206.818+/-0.034 χ^2/NDF: 3577948.7/31

Left Out: 126.561+/-0.021 χ^2/NDF:1758151.9/24

Right Out: 208.213+/-0.035 χ^2/NDF: 4786576.2/35

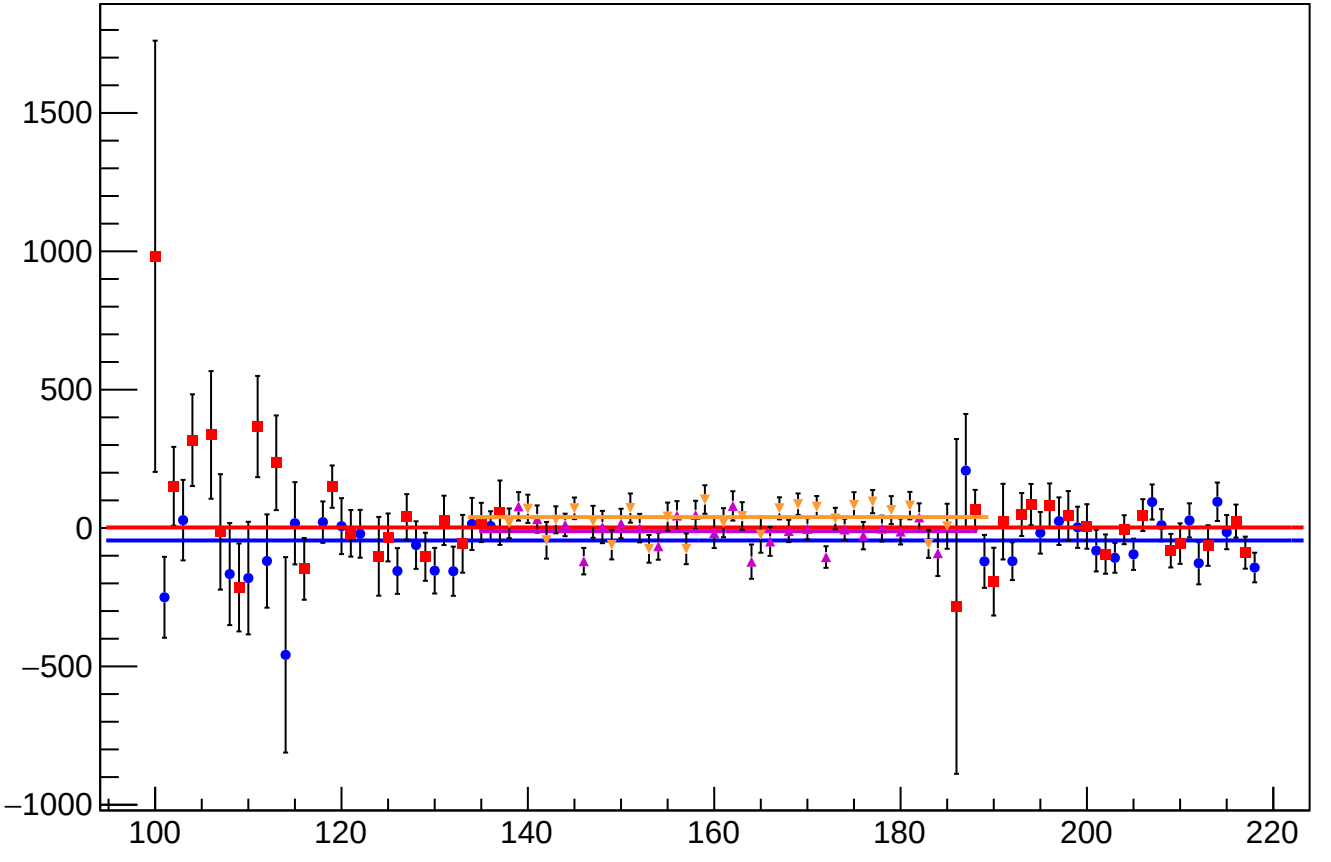
Left In: 126.013+/-0.021 χ^2/NDF:1410664.0/22

+ sign 148.380+/-0.018 χ^2/NDF: 9343435.0/56

All: 148.518+/-0.013 χ^2/NDF: 19627234.9/11

- sign 148.662+/-0.018 χ^2/NDF: 10283677.9/58

dit_asym_sam_37_26_dd_mean vs Slug



Right In: -44.874+/-13.954 χ^2/NDF: 35.2/31

Left Out: 39.563+/-9.745 χ^2/NDF:29.6/24

Right Out: 2.115+/-14.476 χ^2/NDF: 39.7/35

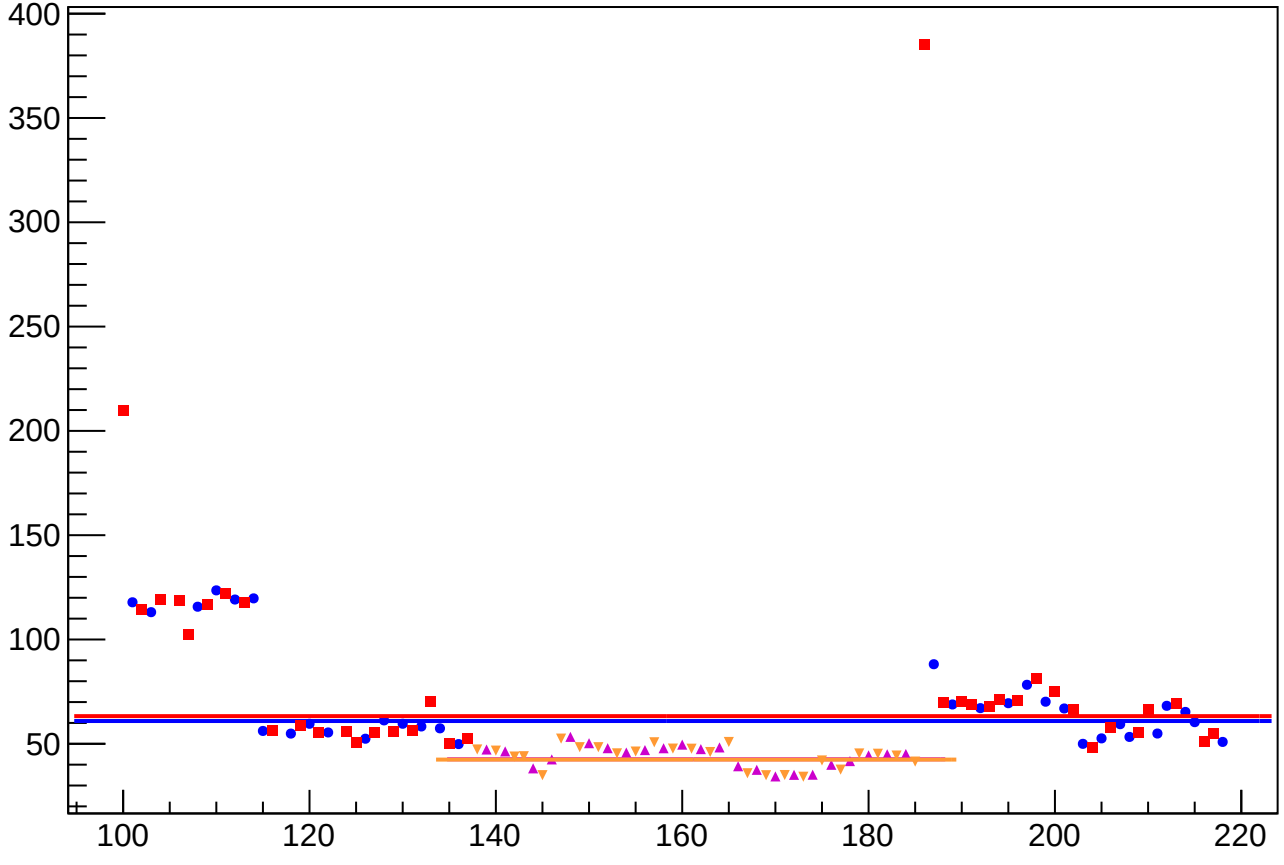
Left In: -11.306+/-10.077 χ^2/NDF:27.9/22

+ sign 11.882+/-7.990 χ^2/NDF: 89.4/56

All: 2.803+/-5.746 χ^2/NDF: 160.3/115

- sign -6.925+/-8.270 χ^2/NDF: 68.2/58

dit_asym_sam_37_26_dd_rms vs Slug



Right In: 60.916+/-0.010 χ^2/NDF: 1848816.3/31

Left Out: 42.426+/-0.007 χ^2/NDF:698766.0/24

Right Out: 63.258+/-0.010 χ^2/NDF: 2721900.2/35

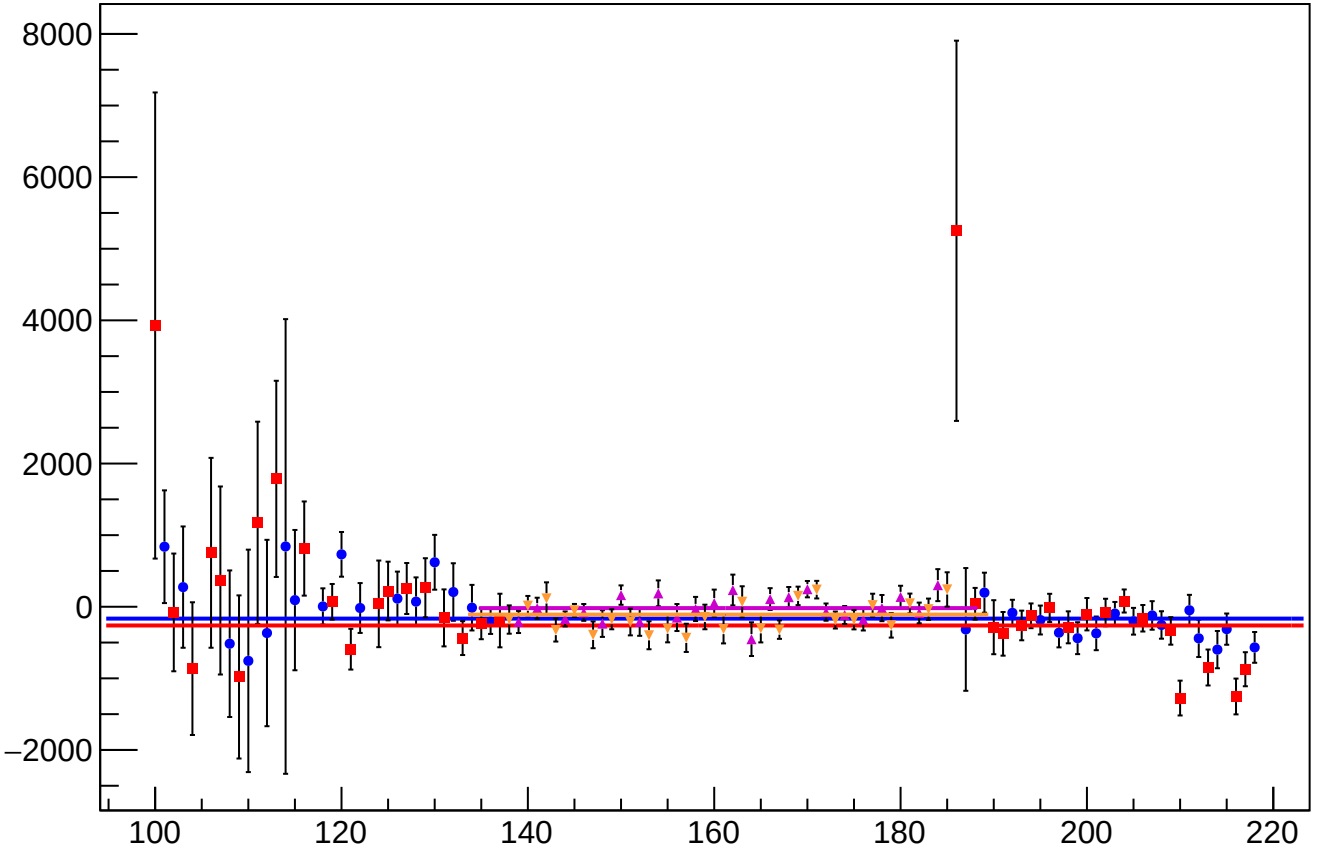
Left In: 42.579+/-0.007 χ^2/NDF:589897.0/22

+ sign 48.488+/-0.006 χ^2/NDF: 4907770.8/56

All: 48.894+/-0.004 χ^2/NDF: 10979422.2/115

- sign 49.329+/-0.006 χ^2/NDF: 6060943.2/58

asym_sam_37_26_dd_dit_correction_mean vs Slug



Right In: -165.635+/-46.850 χ^2/NDF: 31.4/31

Left Out: -109.869+/-30.759 χ^2/NDF:36.3/24

Right Out: -261.391+/-46.595 χ^2/NDF: 78.5/35

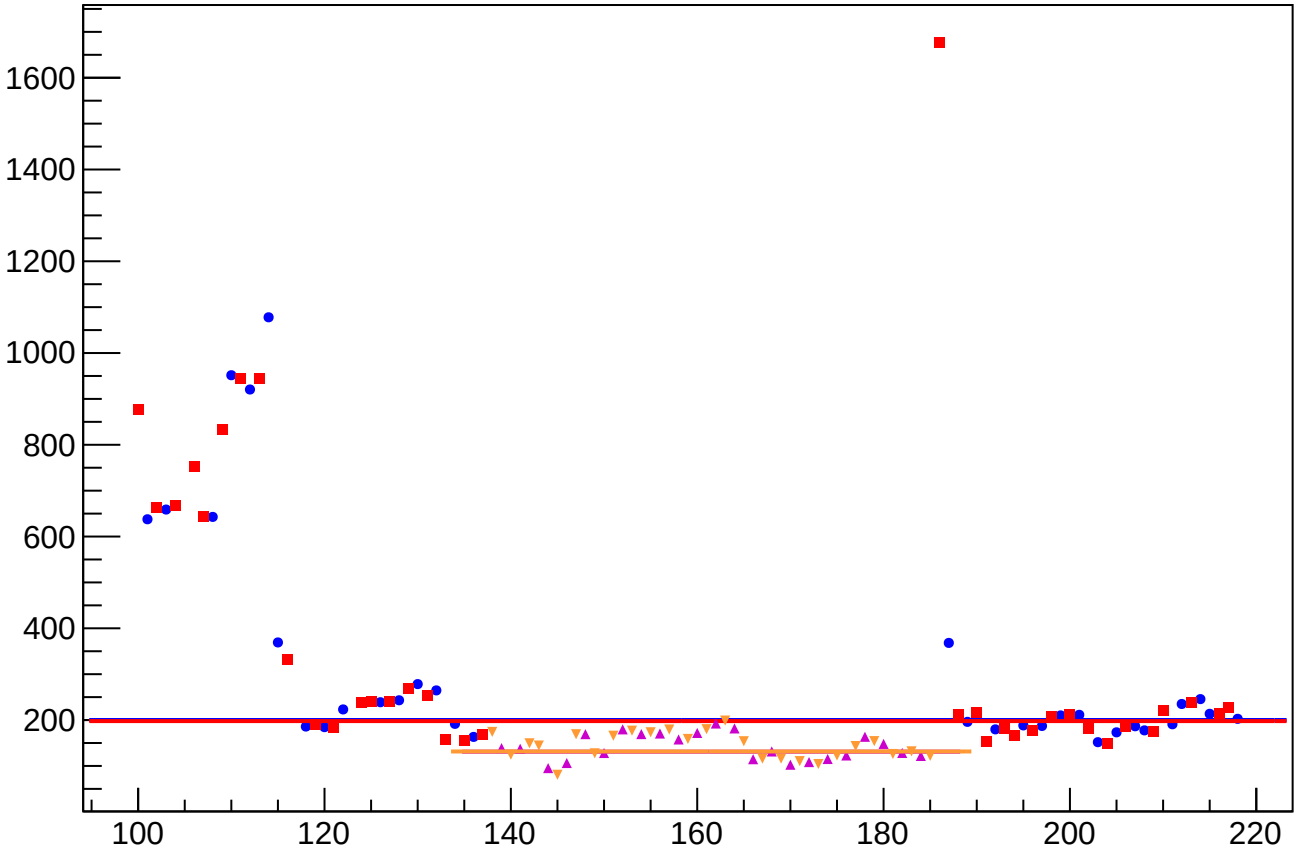
Left In: -18.838+/-31.477 χ^2/NDF:27.2/22

+ sign -126.666+/-25.712 χ^2/NDF: 68.6/56

All: -110.982+/-18.311 χ^2/NDF: 193.7/115

- sign -94.843+/-26.083 χ^2/NDF: 124.3/58

asym_sam_37_26_dd_dit_correction_rms vs Slug



Right In: 200.088+/-0.033 χ^2/NDF: 3662150.5/31

Left Out: 131.515+/-0.022 χ^2/NDF:1902958.8/24

Right Out: 197.753+/-0.033 χ^2/NDF: 5112919.6/35

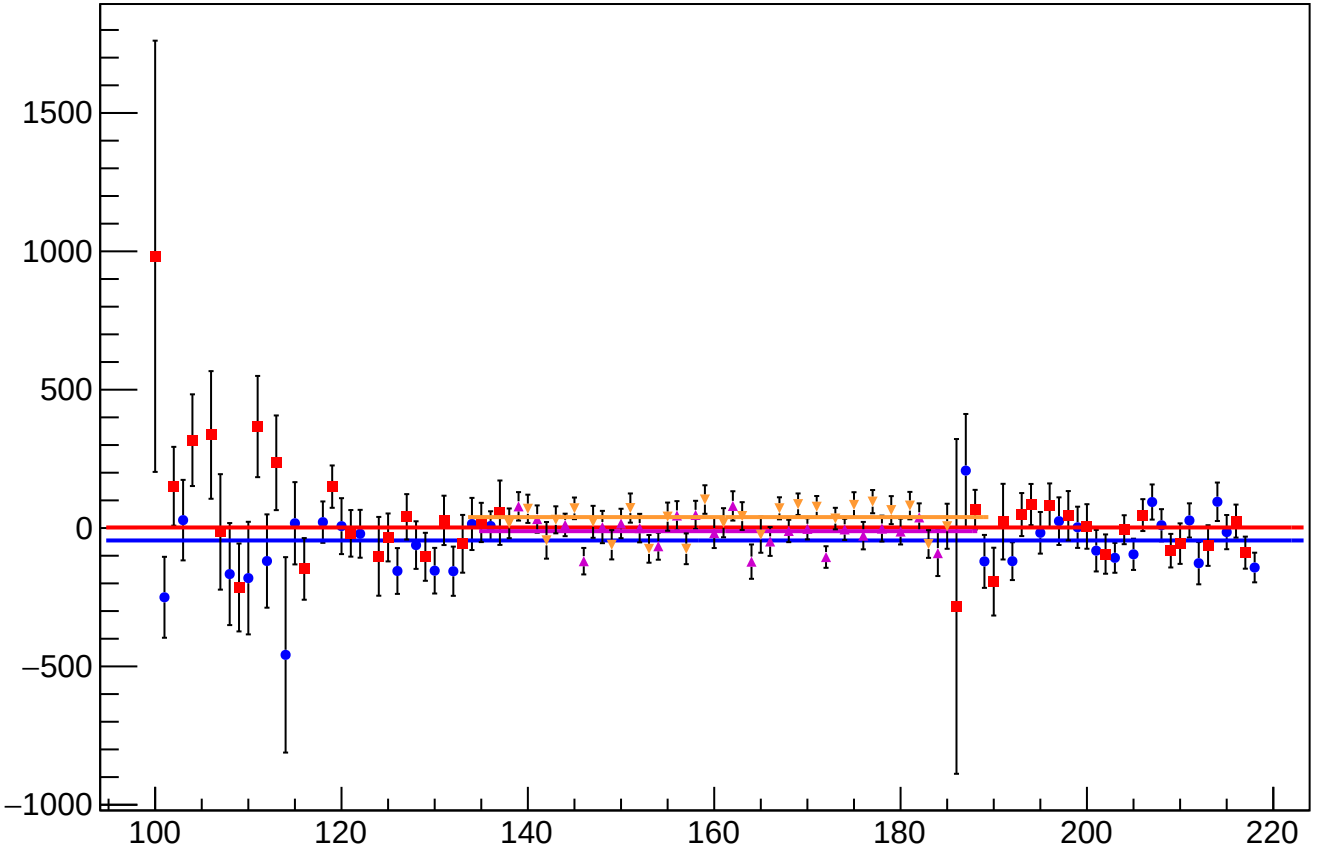
Left In: 131.074+/-0.022 χ^2/NDF:1467806.6/22

+ sign 152.170+/-0.018 χ^2/NDF: 8559185.4/56

All: 152.070+/-0.013 χ^2/NDF: 17952299.2/11

- sign 151.968+/-0.018 χ^2/NDF: 9393053.1/58

eigen_dit_asym_sam_37_26_dd_mean vs Slug



Right In: -44.875+/-13.954 χ^2/NDF: 35.2/31

Left Out: 39.564+/-9.745 χ^2/NDF:29.6/24

Right Out: 2.116+/-14.476 χ^2/NDF: 39.7/35

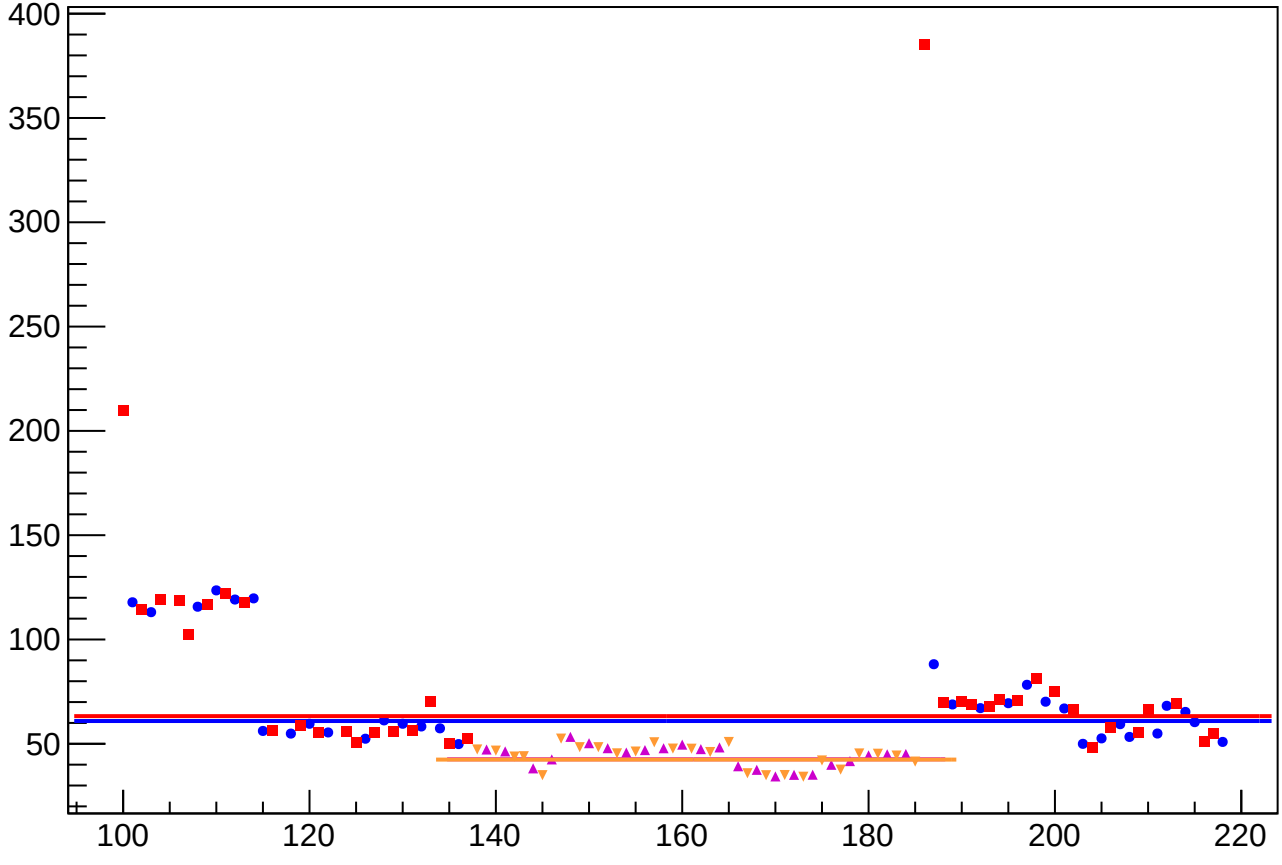
Left In: -11.306+/-10.077 χ^2/NDF:27.9/22

+ sign 11.883+/-7.990 χ^2/NDF: 89.4/56

All: 2.804+/-5.746 χ^2/NDF: 160.3/115

- sign -6.925+/-8.270 χ^2/NDF: 68.2/58

eigen_dit_asym_sam_37_26_dd_rms vs Slug



Right In: 60.916+/-0.010 χ^2/NDF: 1848813.4/31

Left Out: 42.426+/-0.007 χ^2/NDF:698784.4/24

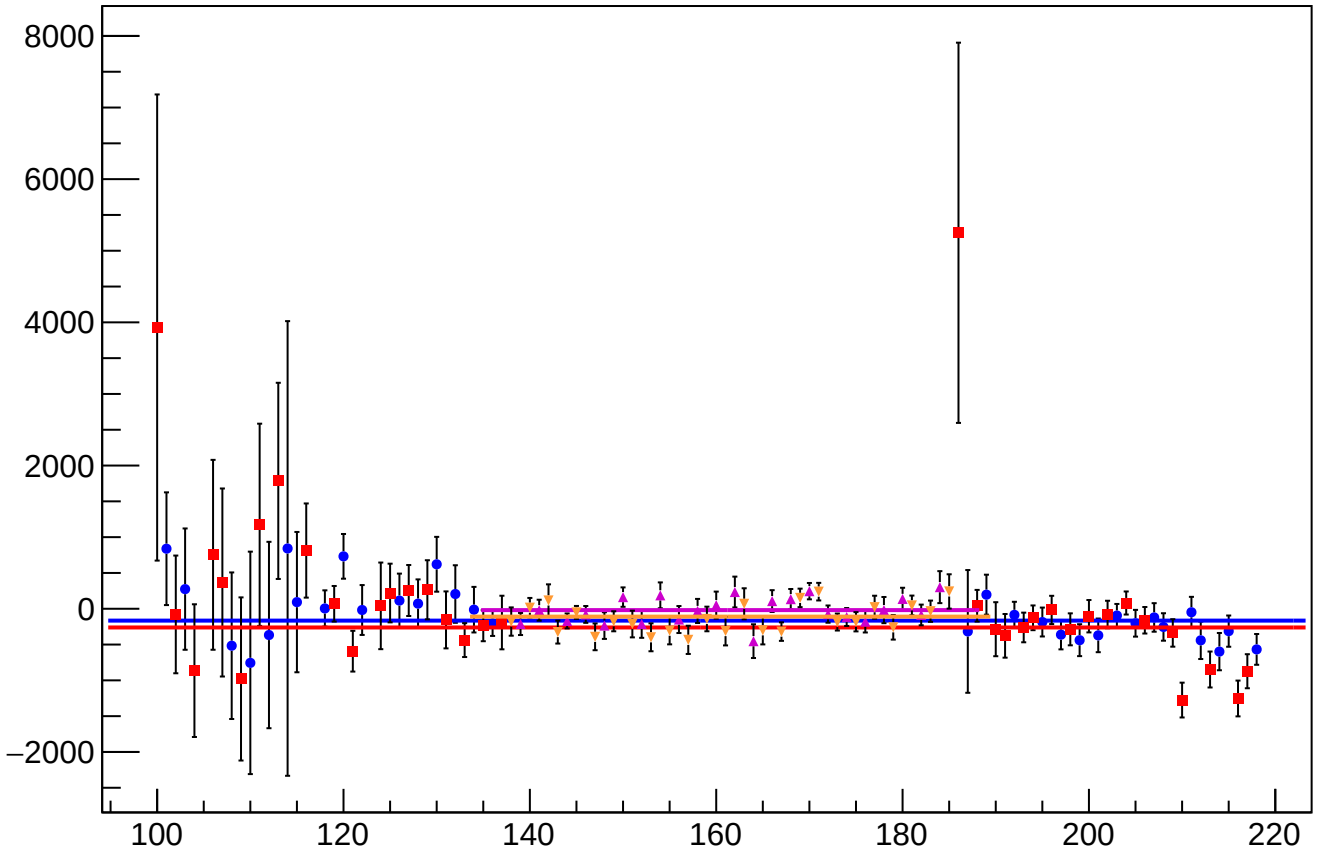
Right Out: 63.258+/-0.010 χ^2/NDF: 2721867.9/35

Left In: 42.579+/-0.007 χ^2/NDF:589901.9/22

+ sign 48.488+/-0.006 χ^2/NDF: 4907791.2/56

All: 48.894+/-0.004 χ^2/NDF: 10979455.4/115

- sign 49.329+/-0.006 χ^2/NDF: 6060953.0/58



Right In: -165.636+/-46.850 χ^2/NDF: 31.4/31

Left Out: -109.869+/-30.759 χ^2/NDF:36.3/24

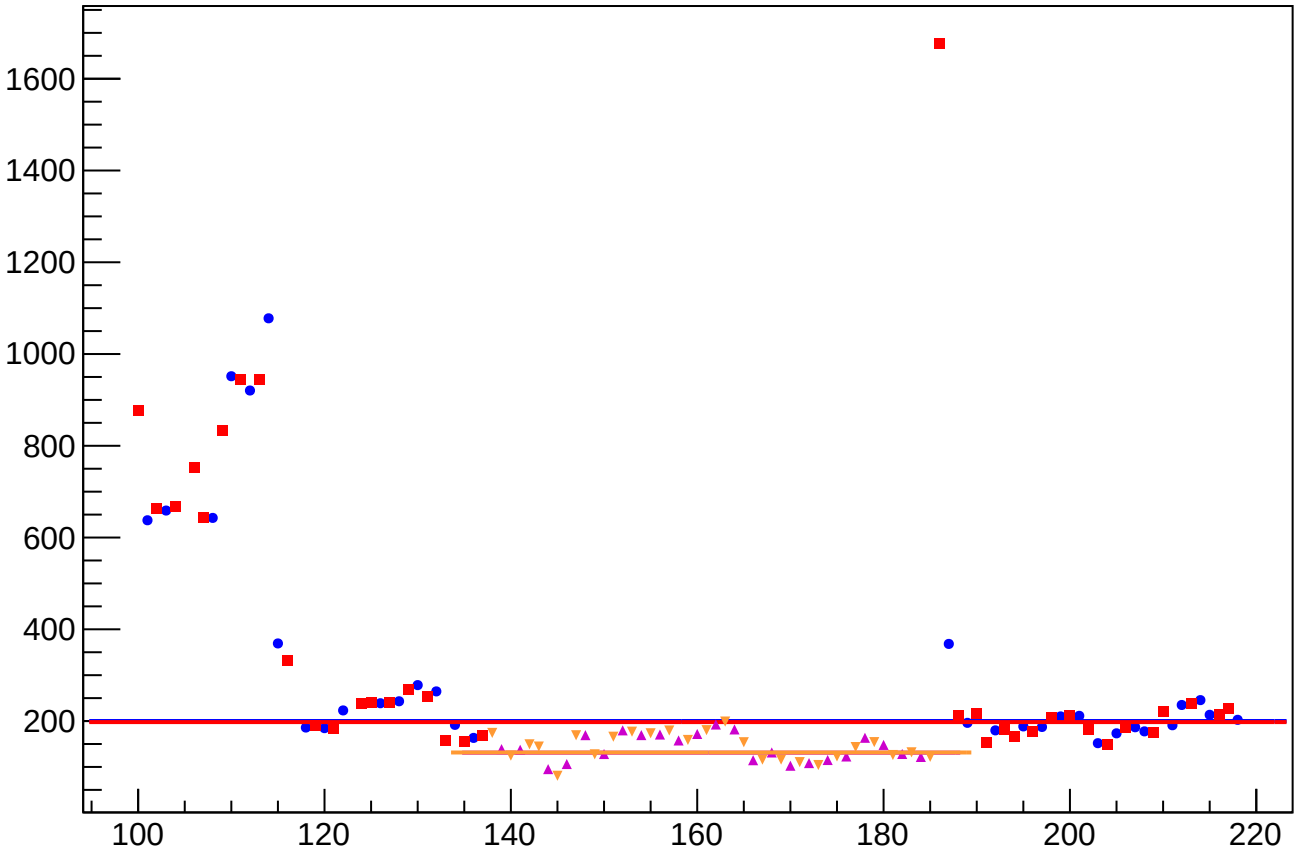
Right Out: -261.389+/-46.595 χ^2/NDF: 78.5/35

Left In: -18.838+/-31.477 χ^2/NDF:27.2/22

+ sign -126.666+/-25.712 χ^2/NDF: 68.6/56

All: -110.982+/-18.311 χ^2/NDF: 193.7/115

- sign -94.843+/-26.083 χ^2/NDF: 124.3/58



Right In: 200.088+/-0.033 χ^2/NDF: 3662151.0/31

Left Out: 131.515+/-0.022 χ^2/NDF:1902951.8/24

Right Out: 197.752+/-0.033 χ^2/NDF: 5112928.8/35

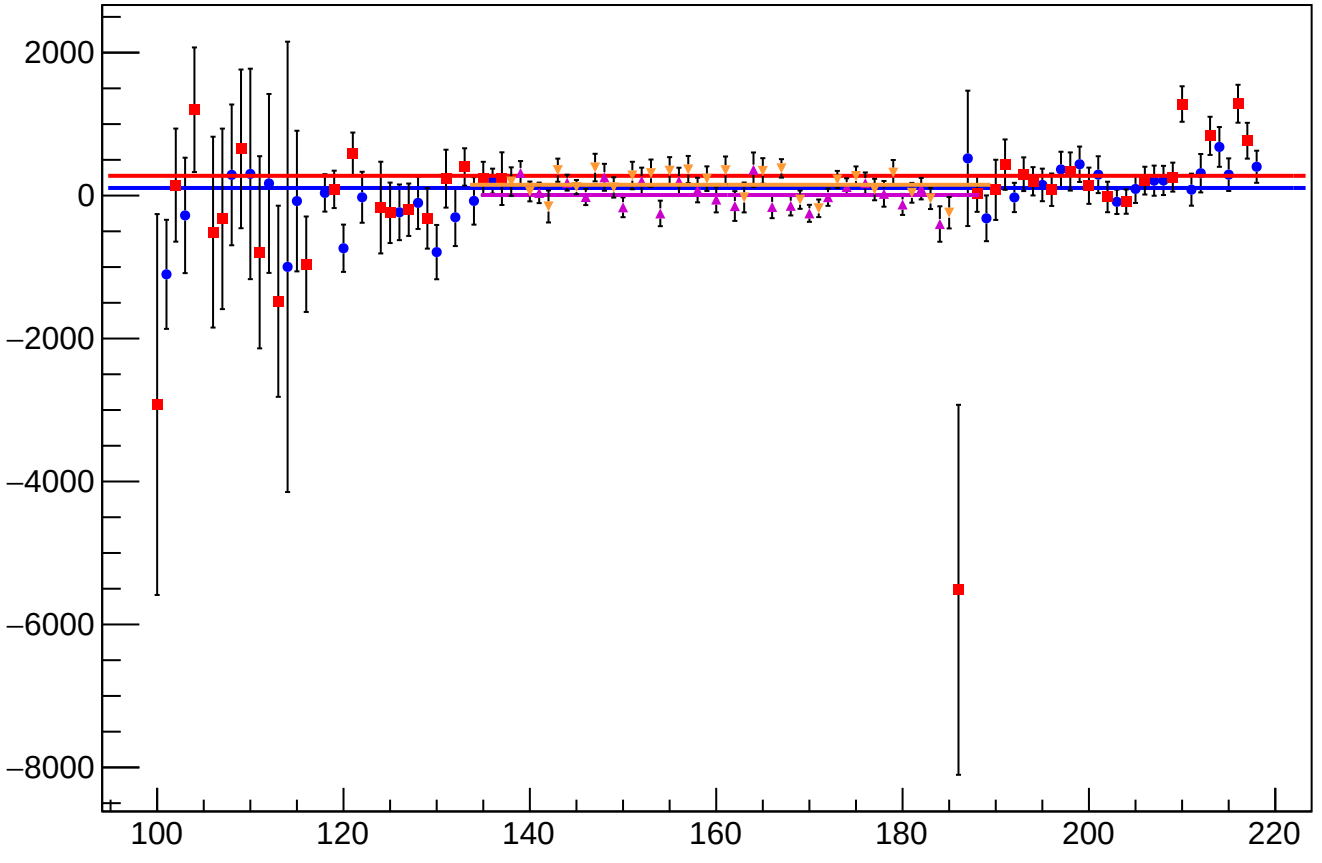
Left In: 131.074+/-0.022 χ^2/NDF:1467810.7/22

+ sign 152.170+/-0.018 χ^2/NDF: 8559120.4/56

All: 152.070+/-0.013 χ^2/NDF: 17952186.9/11

- sign 151.968+/-0.018 χ^2/NDF: 9393005.9/58

asym_sam_37_26_dd_mean vs Slug



Right In: 106.448+/-49.882 χ^2/NDF: 32.9/31

Left Out: 151.108+/-30.952 χ^2/NDF:33.1/24

Right Out: 276.418+/-50.555 χ^2/NDF: 69.8/35

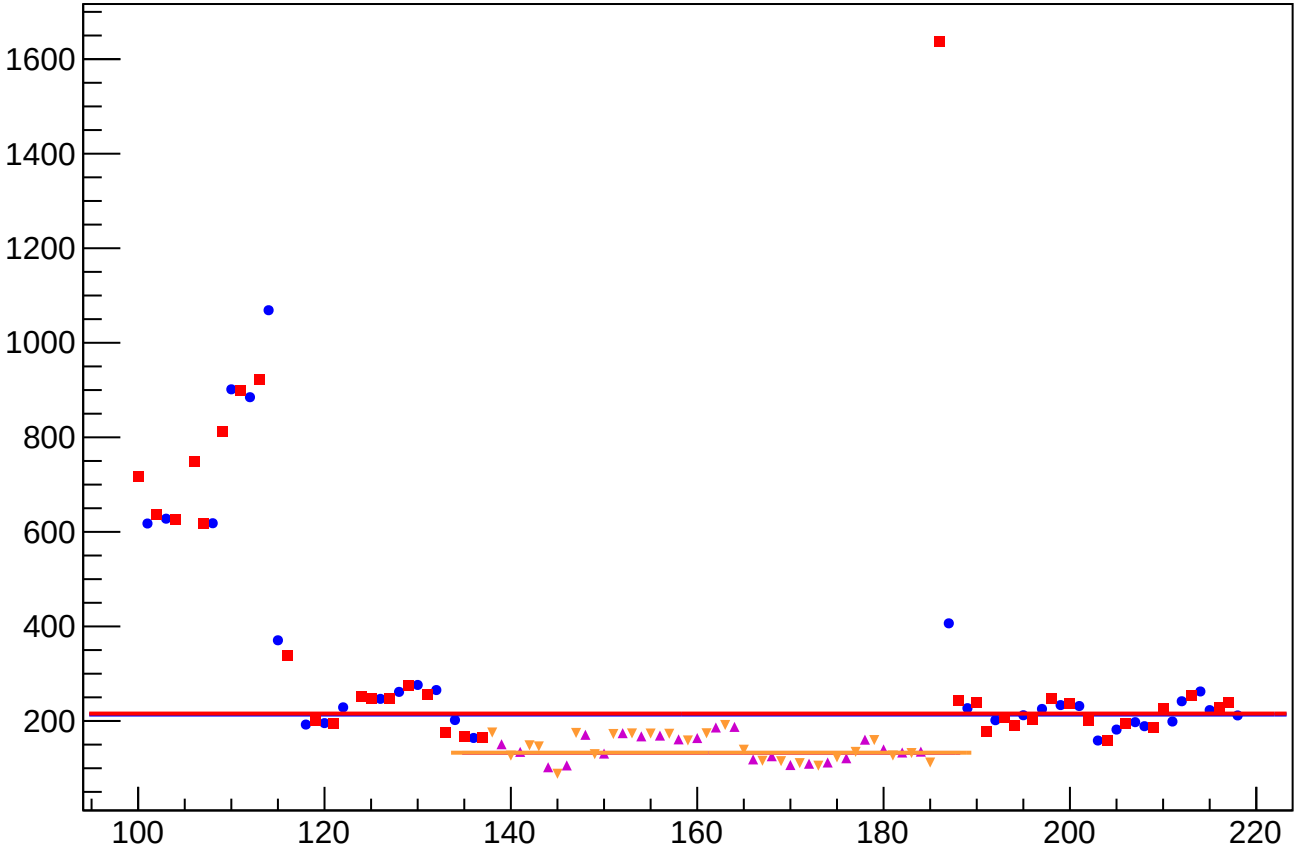
Left In: 7.941+/-31.621 χ^2/NDF:29.5/22

+ sign 138.693+/-26.300 χ^2/NDF: 66.5/56

All: 111.596+/-18.774 χ^2/NDF: 188.2/115

- sign 83.440+/-26.809 χ^2/NDF: 119.5/58

asym_sam_37_26_dd_rms vs Slug



Right In: 213.586+/-0.035 χ^2/NDF: 3478744.4/31

Left Out: 132.876+/-0.022 χ^2/NDF:1592310.5/24

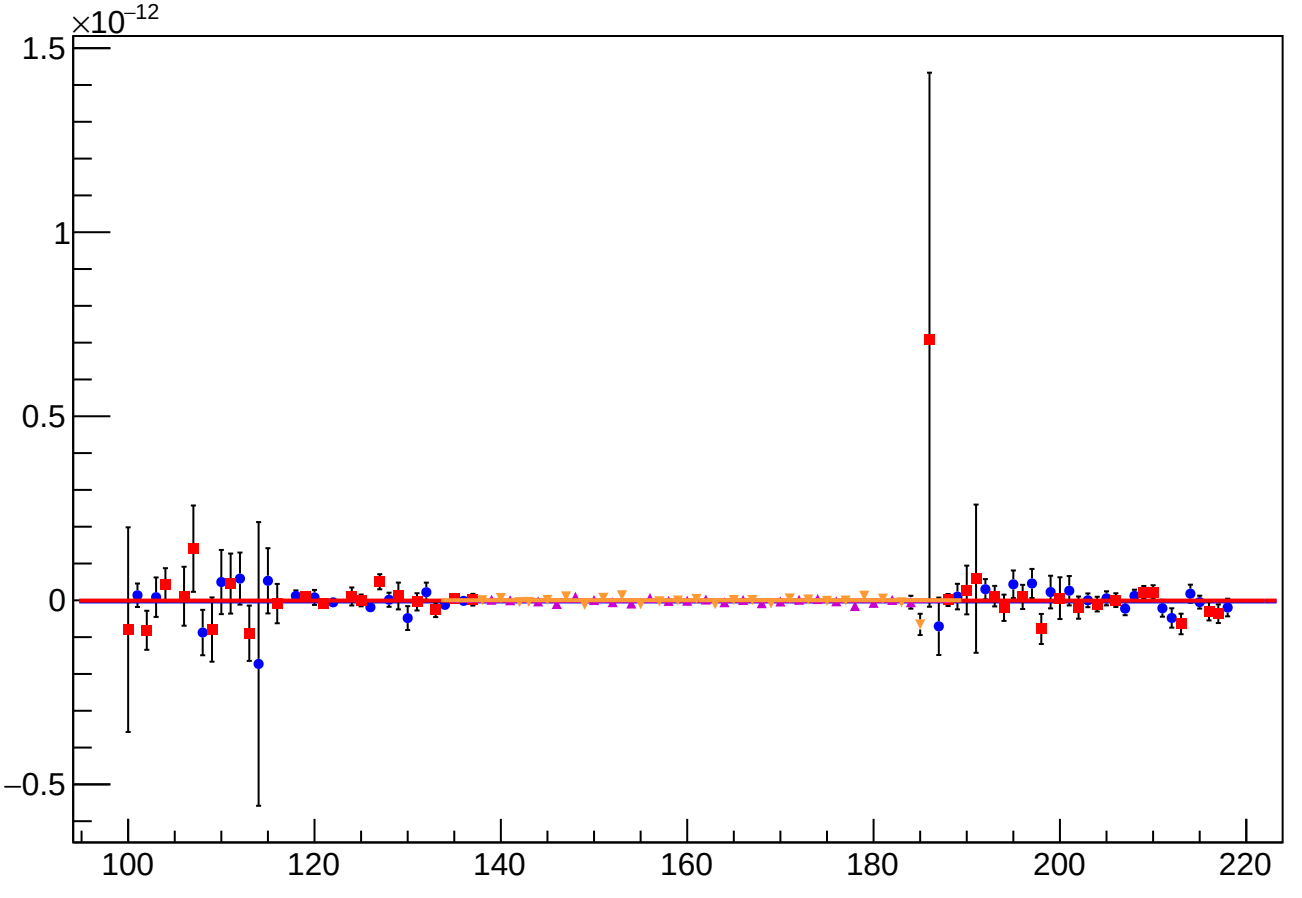
Right Out: 215.657+/-0.036 χ^2/NDF: 4723065.5/35

Left In: 132.342+/-0.022 χ^2/NDF:1277761.6/22

+ sign 155.312+/-0.019 χ^2/NDF: 8851554.1/56

All: 155.537+/-0.013 χ^2/NDF: 18757147.2/11

- sign 155.771+/-0.019 χ^2/NDF: 9905294.6/58



Right In: -0.000+/-0.000 χ^2/NDF: 24.8/31

Left Out: 0.000+/-0.000 χ^2/NDF:32.2/24

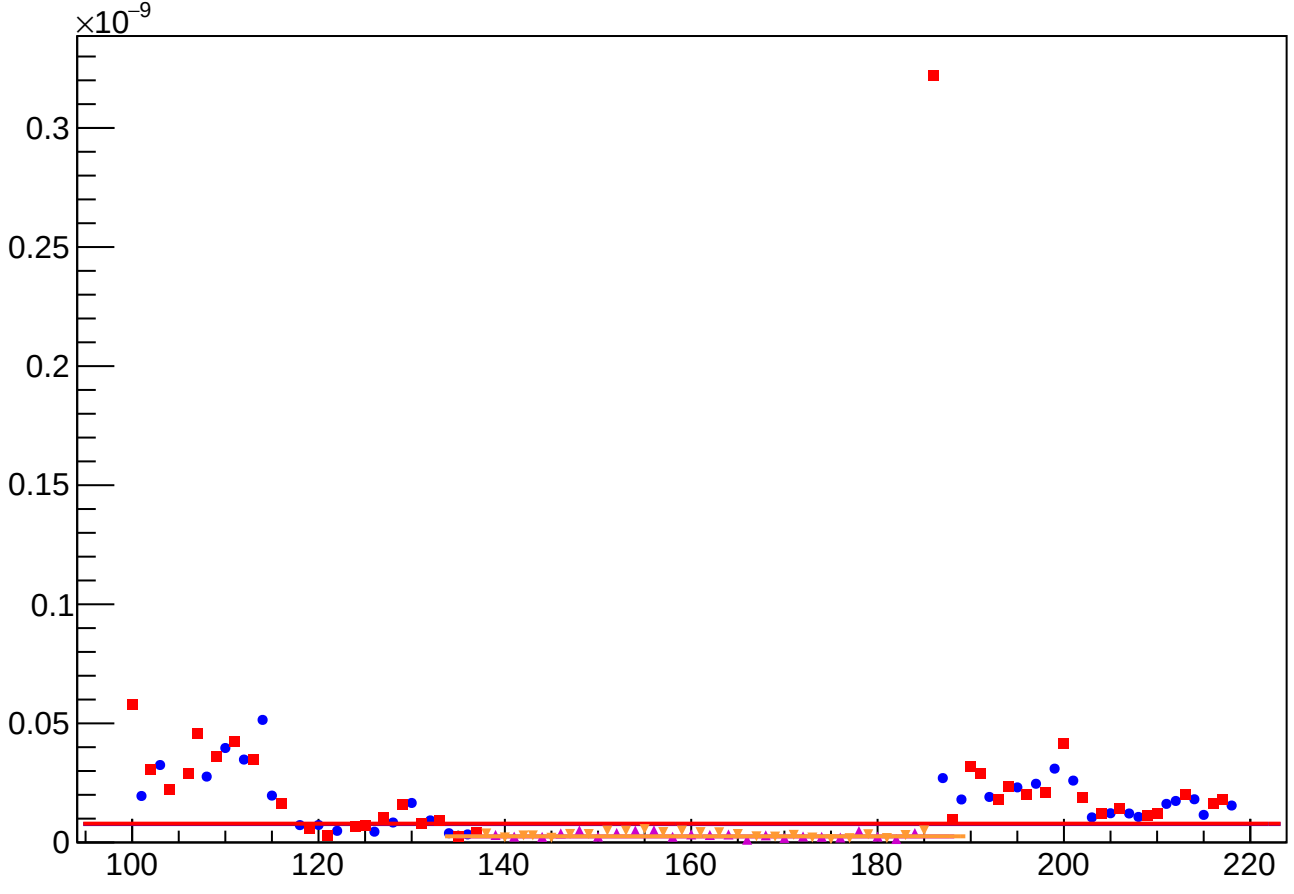
Right Out: -0.000+/-0.000 χ^2/NDF: 36.1/35

Left In: -0.000+/-0.000 χ^2/NDF:14.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 58.0/56

All: -0.000+/-0.000 χ^2/NDF: 109.7/115

- sign -0.000+/-0.000 χ^2/NDF: 51.1/58



Right In: 0.000+/-0.000 χ^2/NDF: 7463276.9/31

Left Out: 0.000+/-0.000 χ^2/NDF:2174042.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8486212.3/35

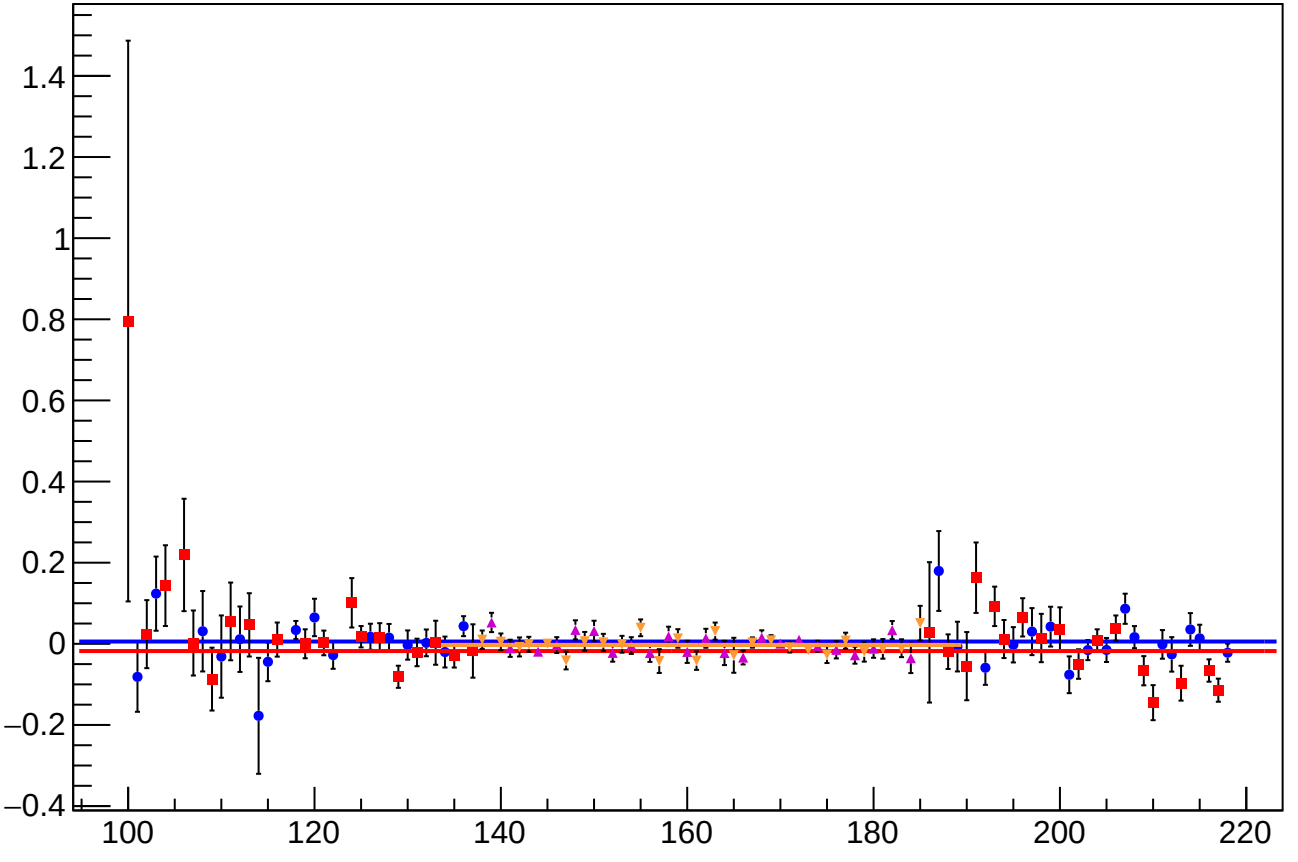
Left In: 0.000+/-0.000 χ^2/NDF:1530752.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 14474276.3/56

All: 0.000+/-0.000 χ^2/NDF: 29157747.2/115

- sign 0.000+/-0.000 χ^2/NDF: 14679837.7/58

asym_sam_37_26_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.006+/-0.007 χ^2/NDF: 31.3/31

Left Out: -0.003+/-0.004 χ^2/NDF:22.6/24

Right Out: -0.018+/-0.007 χ^2/NDF: 70.8/35

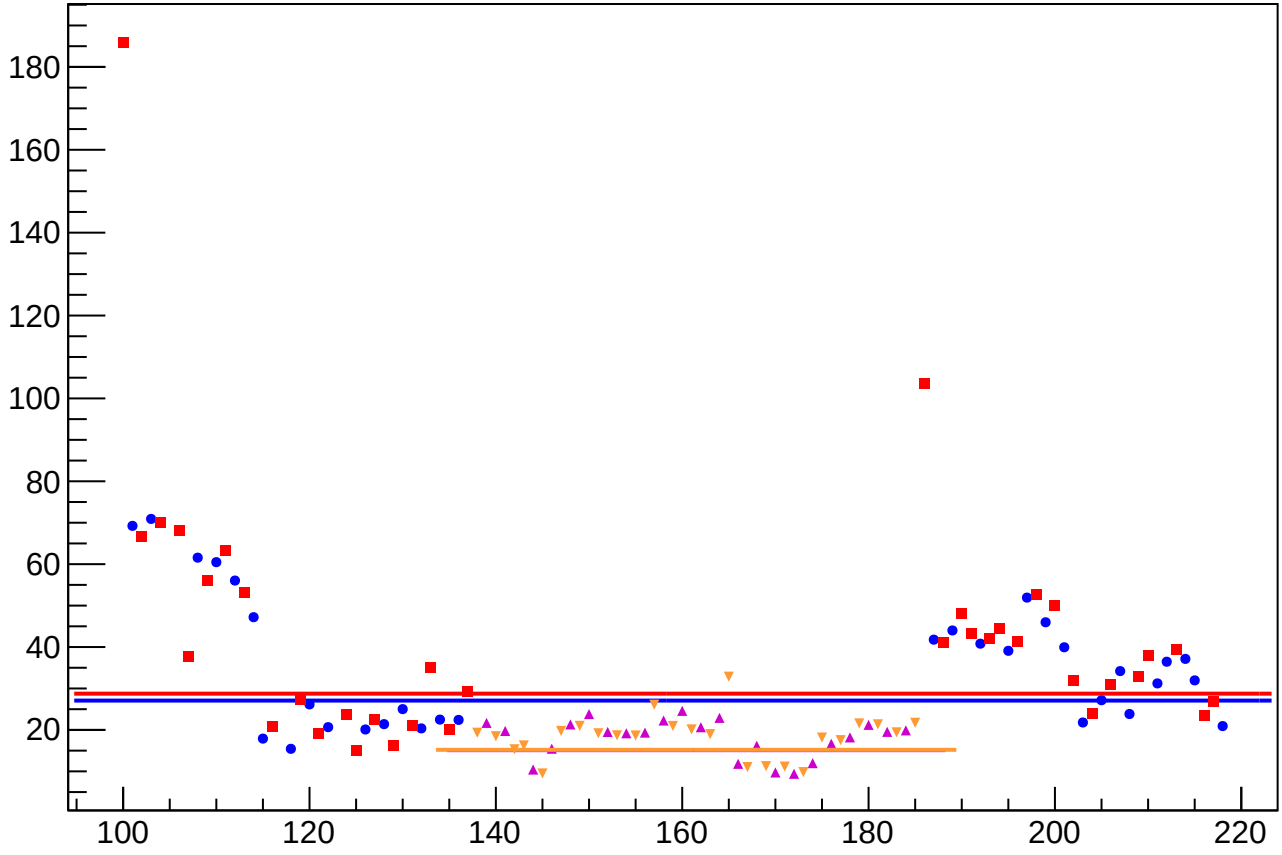
Left In: -0.002+/-0.004 χ^2/NDF:26.9/22

+ sign -0.001+/-0.003 χ^2/NDF: 55.2/56

All: -0.003+/-0.002 χ^2/NDF: 157.9/115

- sign -0.006+/-0.003 χ^2/NDF: 101.5/58

asym_sam_37_26_dd_dit_vs_cor_diff_rms vs Slug



Right In: 27.080+/-0.005 χ^2/NDF: 4748840.1/31

Left Out: 15.202+/-0.003 χ^2/NDF:3441921.2/24

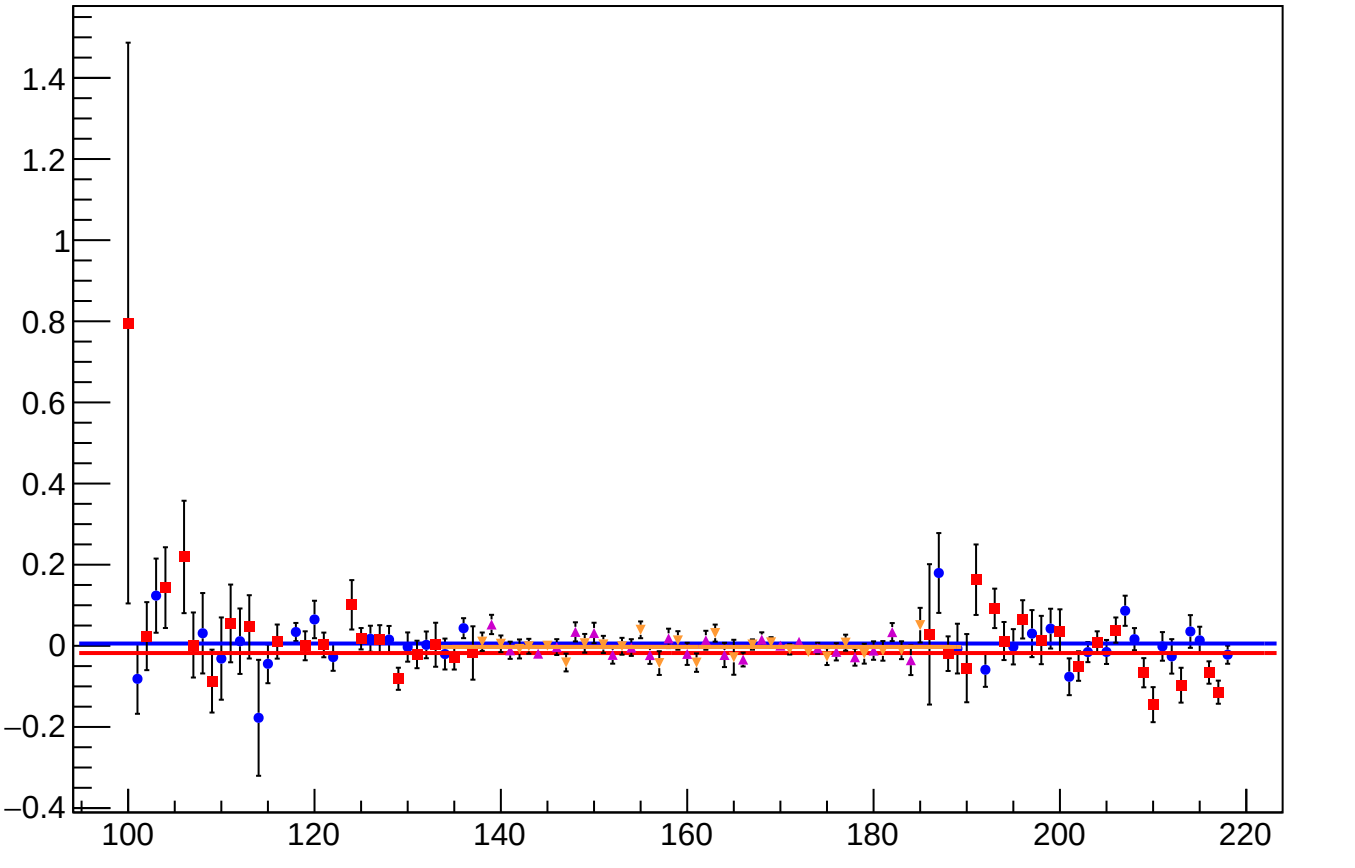
Right Out: 28.749+/-0.005 χ^2/NDF: 5642531.7/35

Left In: 15.116+/-0.003 χ^2/NDF:3402288.3/22

+ sign 18.021+/-0.002 χ^2/NDF: 13070537.8/56

All: 18.124+/-0.002 χ^2/NDF: 27929940.4/115

- sign 18.235+/-0.002 χ^2/NDF: 14855204.2/58



Right In: 0.006+/-0.007 χ^2/NDF: 31.3/31

Left Out: -0.003+/-0.004 χ^2/NDF:22.6/24

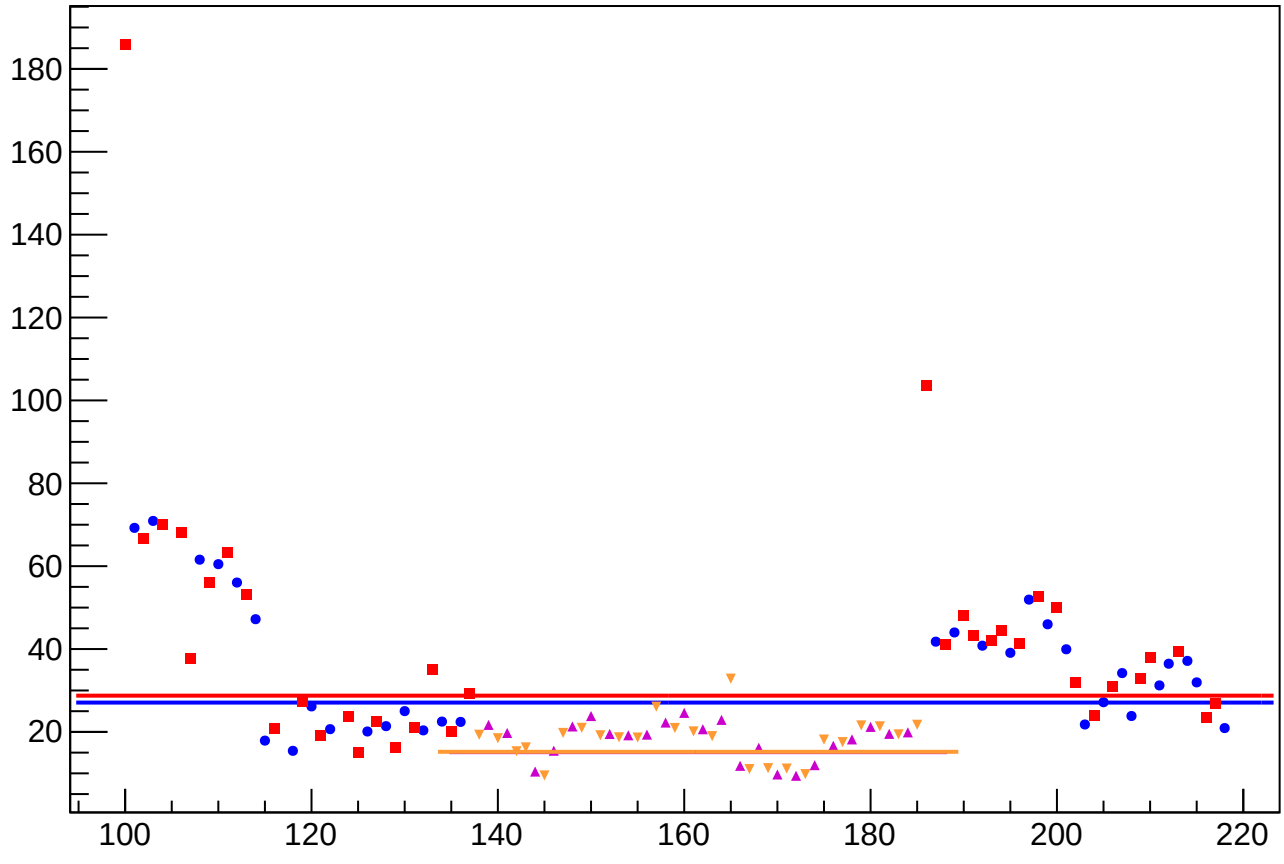
Right Out: -0.018+/-0.007 χ^2/NDF: 70.8/35

Left In: -0.002+/-0.004 χ^2/NDF:26.9/22

+ sign -0.001+/-0.003 χ^2/NDF: 55.2/56

All: -0.003+/-0.002 χ^2/NDF: 157.9/115

- sign -0.006+/-0.003 χ^2/NDF: 101.5/58



Right In: 27.080+/-0.005 χ^2/NDF: 4748840.1/31

Left Out: 15.202+/-0.003 χ^2/NDF:3441921.2/24

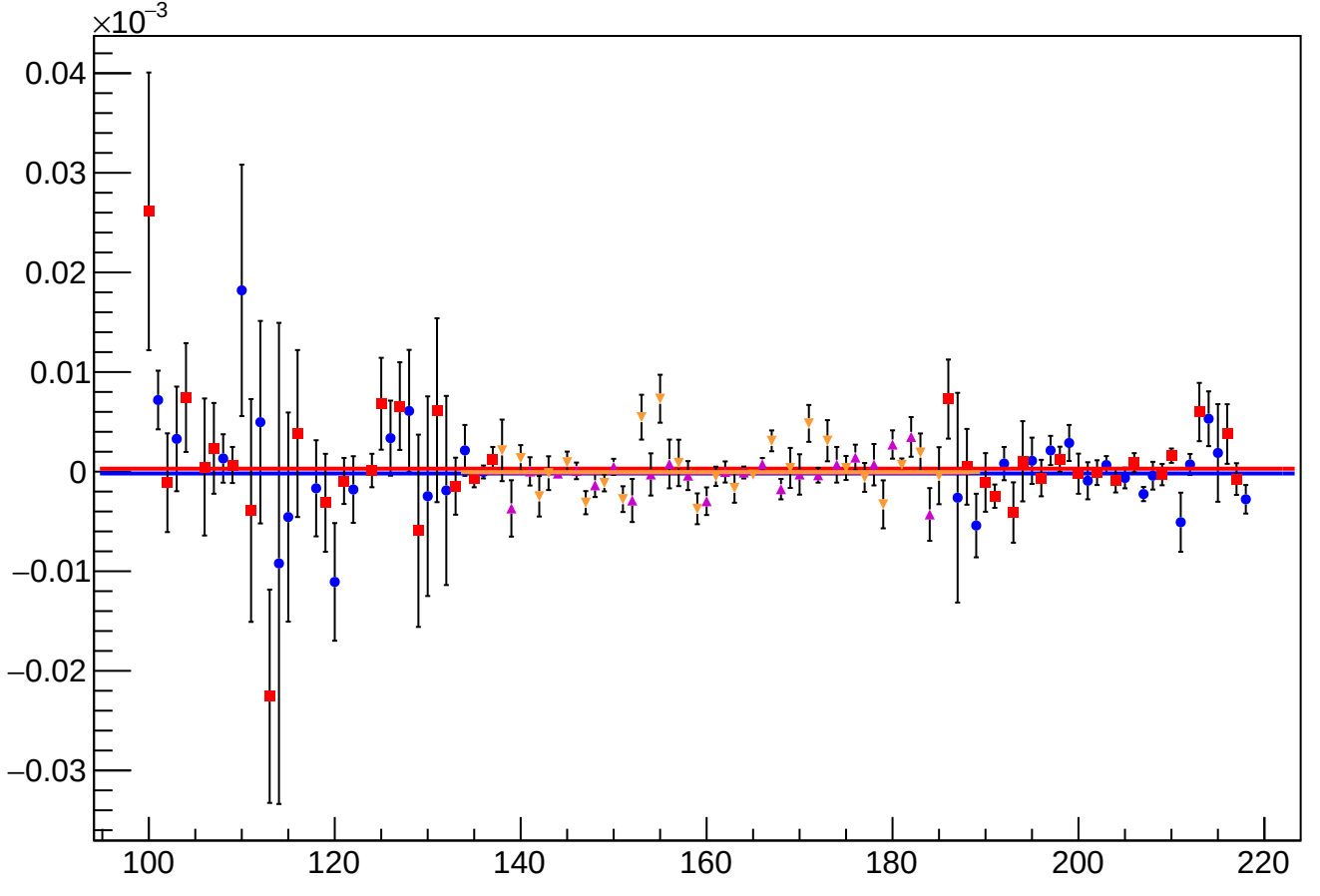
Right Out: 28.749+/-0.005 χ^2/NDF: 5642531.7/35

Left In: 15.116+/-0.003 χ^2/NDF:3402288.3/22

+ sign 18.021+/-0.002 χ^2/NDF: 13070537.8/56

All: 18.124+/-0.002 χ^2/NDF: 27929940.4/115

- sign 18.235+/-0.002 χ^2/NDF: 14855204.2/58



Right In: -0.000+/-0.000 χ^2/NDF: 45.7/31

Left Out: -0.000+/-0.000 χ^2/NDF:62.8/24

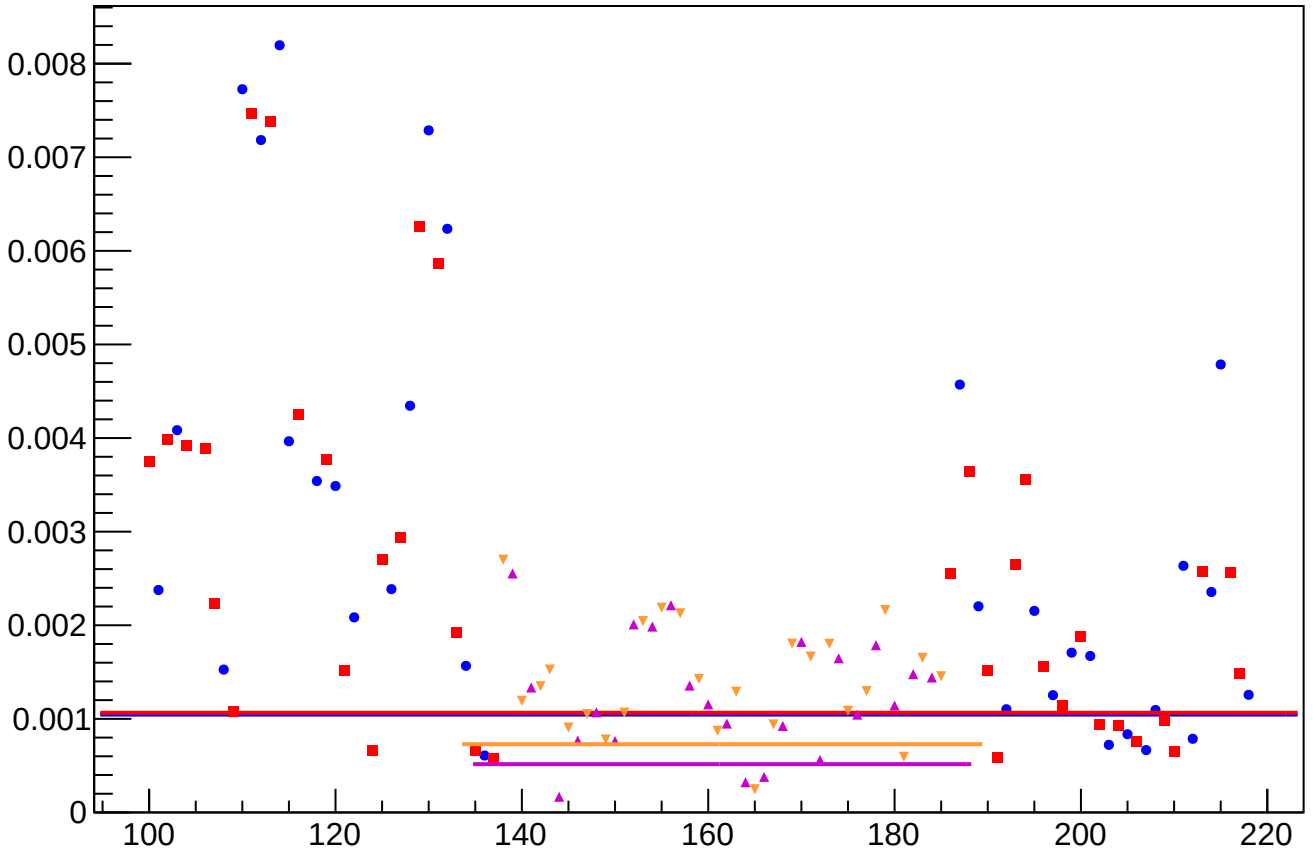
Right Out: 0.000+/-0.000 χ^2/NDF: 40.5/35

Left In: -0.000+/-0.000 χ^2/NDF:25.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 108.7/56

All: -0.000+/-0.000 χ^2/NDF: 176.3/115

- sign -0.000+/-0.000 χ^2/NDF: 67.4/58



Right In: 0.001+/-0.000 χ^2/NDF: 11795220.5/31

Left Out: 0.001+/-0.000 χ^2/NDF:13120515.6/24

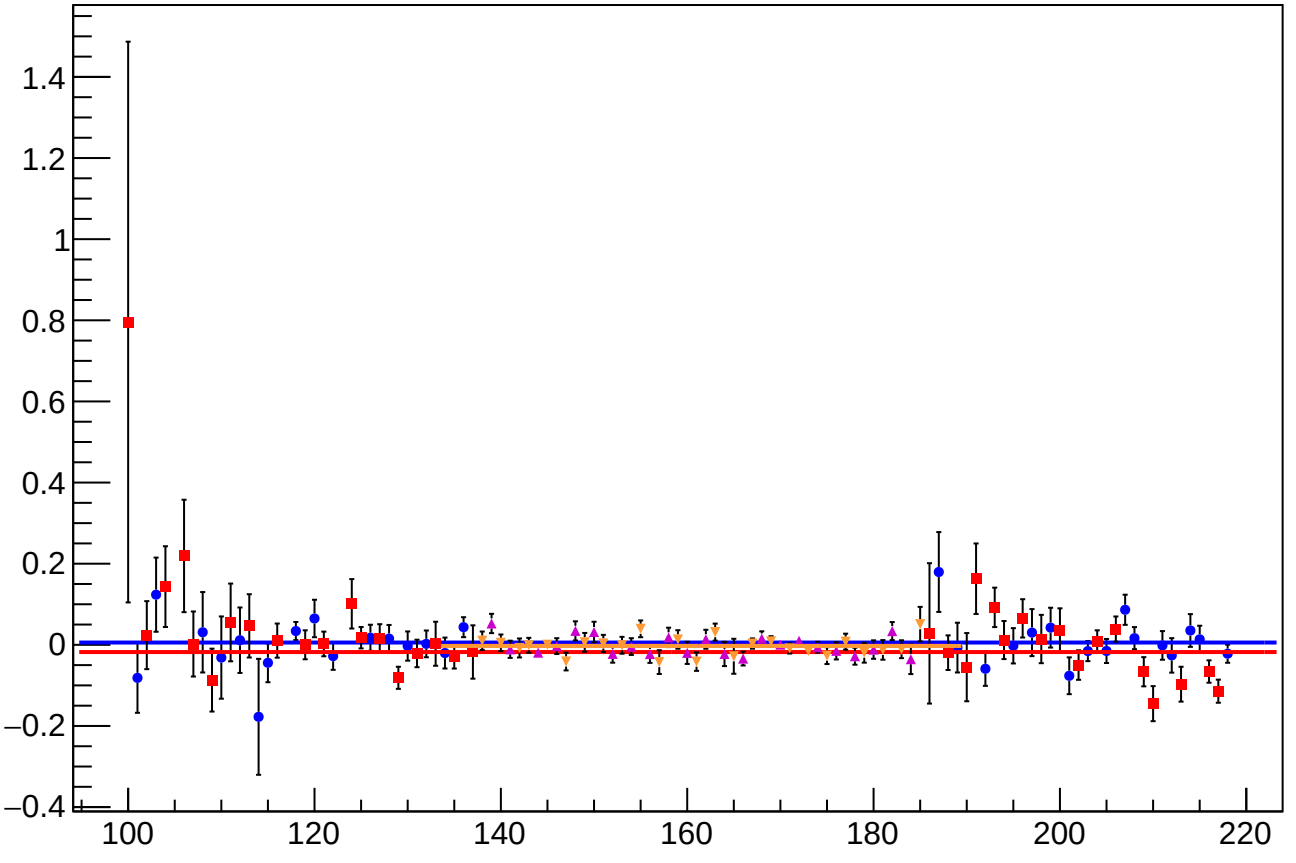
Right Out: 0.001+/-0.000 χ^2/NDF: 12288594.5/35

Left In: 0.001+/-0.000 χ^2/NDF:15027708.0/22

+ sign 0.001+/-0.000 χ^2/NDF: 26429798.3/56

All: 0.001+/-0.000 χ^2/NDF: 59980742.0/115

- sign 0.001+/-0.000 χ^2/NDF: 32367375.9/58



Right In: 0.006+/-0.007 χ^2/NDF: 31.3/31

Left Out: -0.003+/-0.004 χ^2/NDF:22.6/24

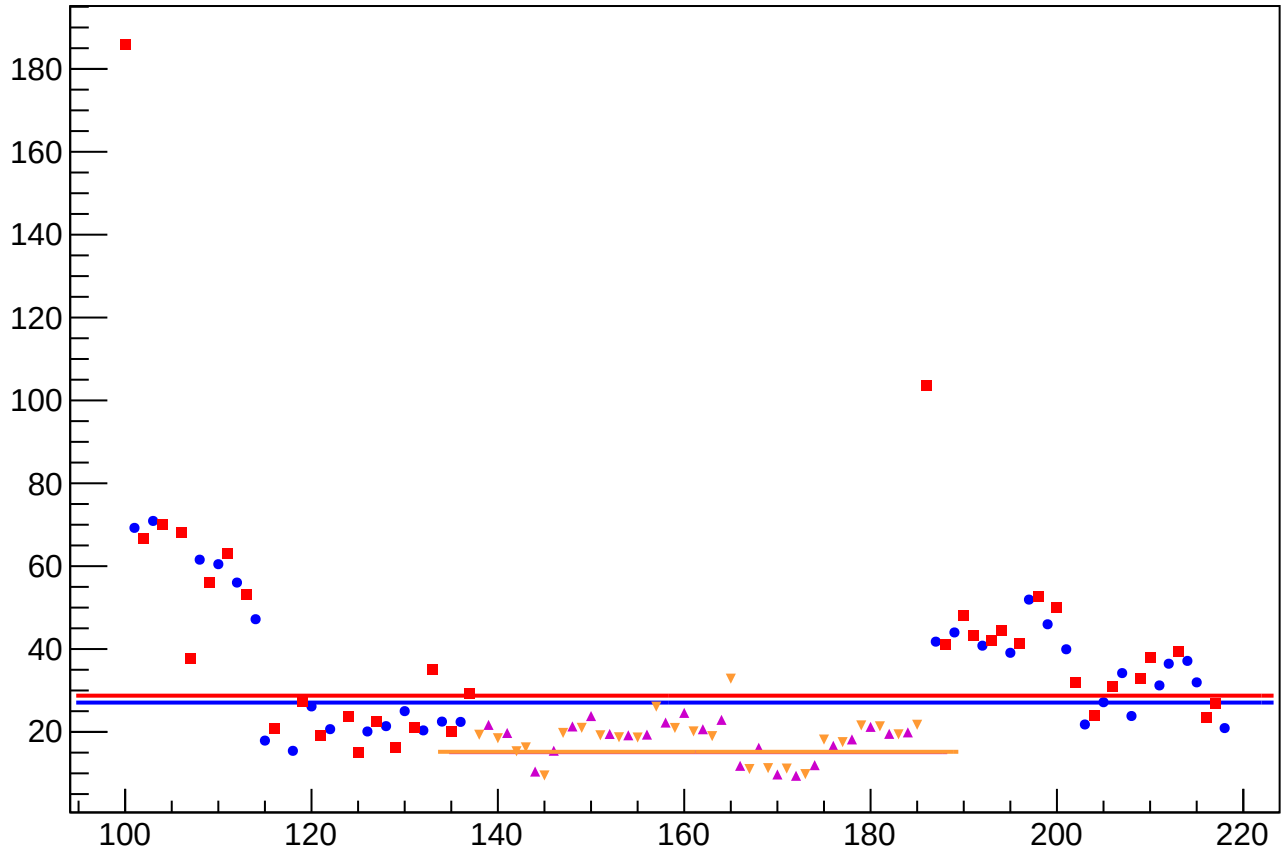
Right Out: -0.018+/-0.007 χ^2/NDF: 70.8/35

Left In: -0.002+/-0.004 χ^2/NDF:26.9/22

+ sign -0.001+/-0.003 χ^2/NDF: 55.2/56

All: -0.003+/-0.002 χ^2/NDF: 157.9/115

- sign -0.006+/-0.003 χ^2/NDF: 101.5/58



Right In: 27.080+/-0.005 χ^2/NDF: 4749234.5/31

Left Out: 15.202+/-0.003 χ^2/NDF:3442015.2/24

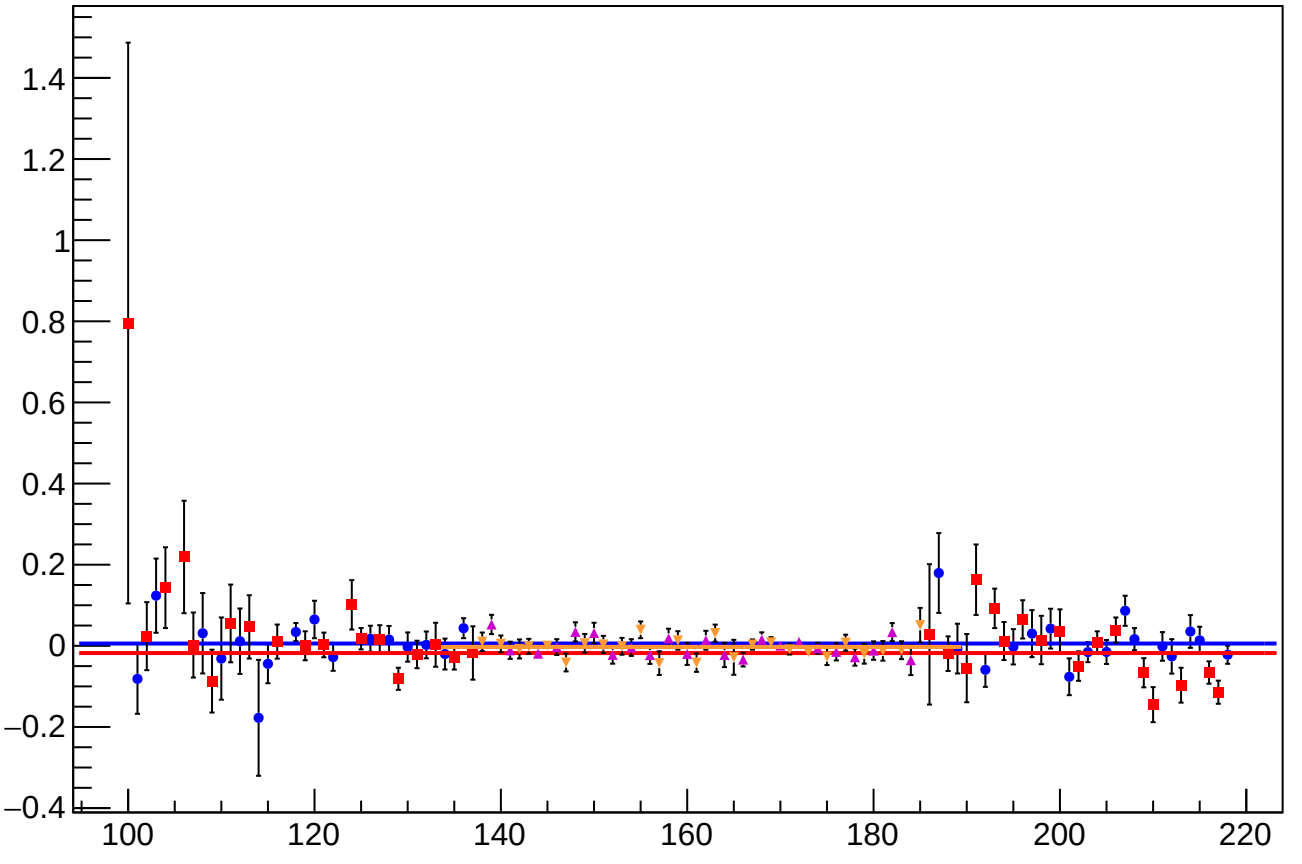
Right Out: 28.749+/-0.005 χ^2/NDF: 5642674.8/35

Left In: 15.117+/-0.003 χ^2/NDF:3402318.1/22

\+ sign 18.021+/-0.002 χ^2/NDF: 13070536.1/56

All: 18.124+/-0.002 χ^2/NDF: 27929953.1/115

\- sign 18.235+/-0.002 χ^2/NDF: 14855213.7/58



Right In: 0.006+/-0.007 χ^2/NDF: 31.3/31

Left Out: -0.003+/-0.004 χ^2/NDF:22.6/24

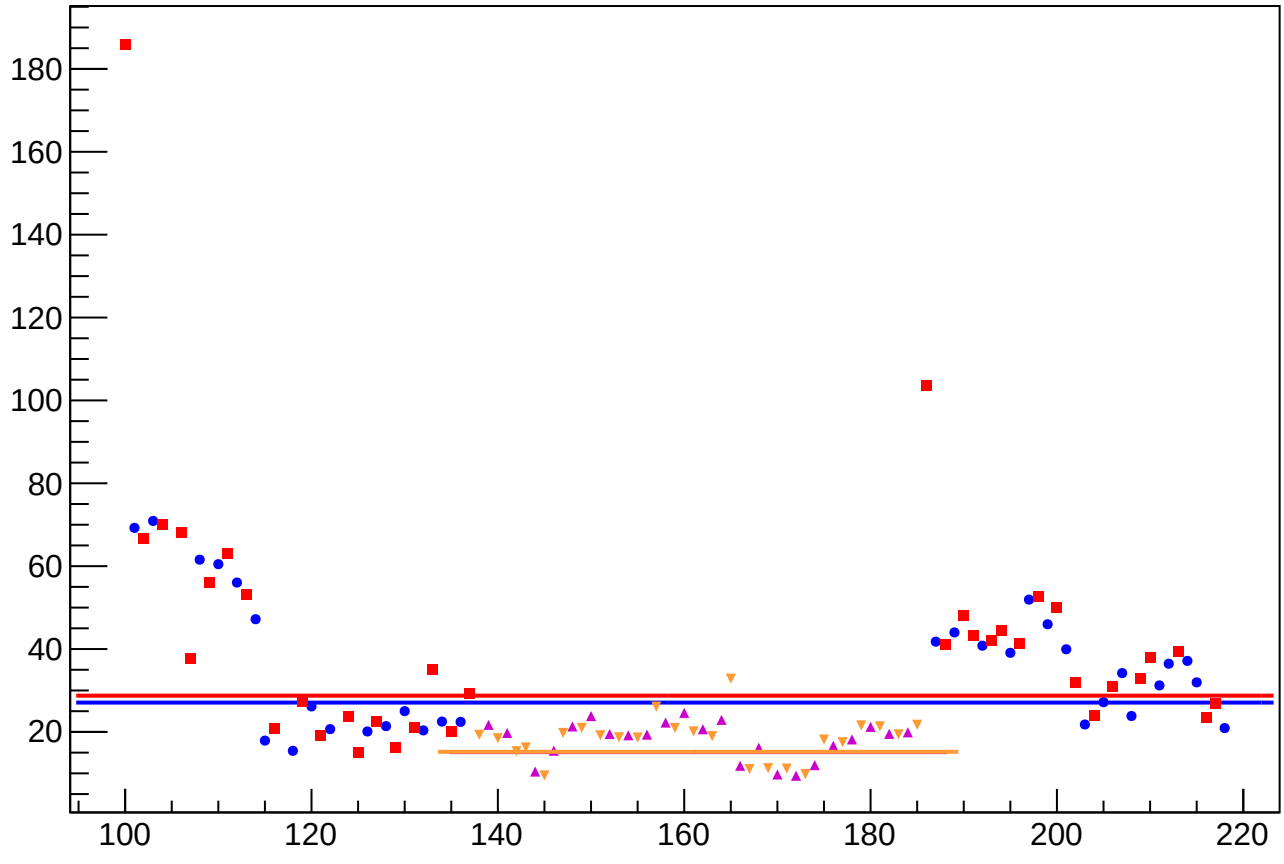
Right Out: -0.018+/-0.007 χ^2/NDF: 70.8/35

Left In: -0.002+/-0.004 χ^2/NDF:26.9/22

+ sign -0.001+/-0.003 χ^2/NDF: 55.2/56

All: -0.003+/-0.002 χ^2/NDF: 157.9/115

- sign -0.006+/-0.003 χ^2/NDF: 101.5/58



Right In: 27.080+/-0.005 χ^2/NDF: 4749234.5/31

Left Out: 15.202+/-0.003 χ^2/NDF:3442015.2/24

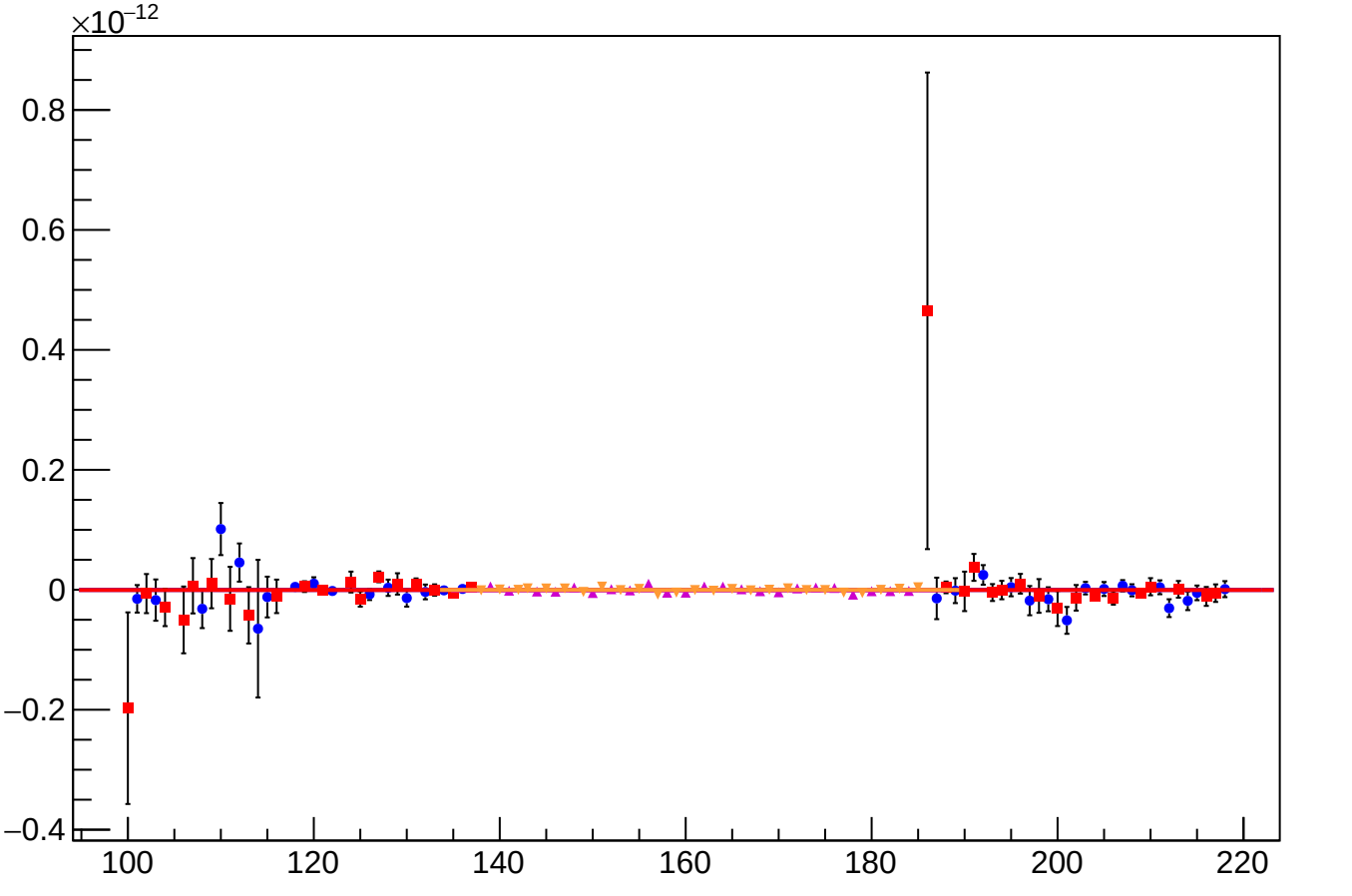
Right Out: 28.749+/-0.005 χ^2/NDF: 5642674.8/35

Left In: 15.117+/-0.003 χ^2/NDF:3402318.1/22

+ sign 18.021+/-0.002 χ^2/NDF: 13070536.1/56

All: 18.124+/-0.002 χ^2/NDF: 27929953.1/115

- sign 18.235+/-0.002 χ^2/NDF: 14855213.7/58



Right In: -0.000+/-0.000 χ^2/NDF: 28.4/31

Left Out: -0.000+/-0.000 χ^2/NDF:21.4/24

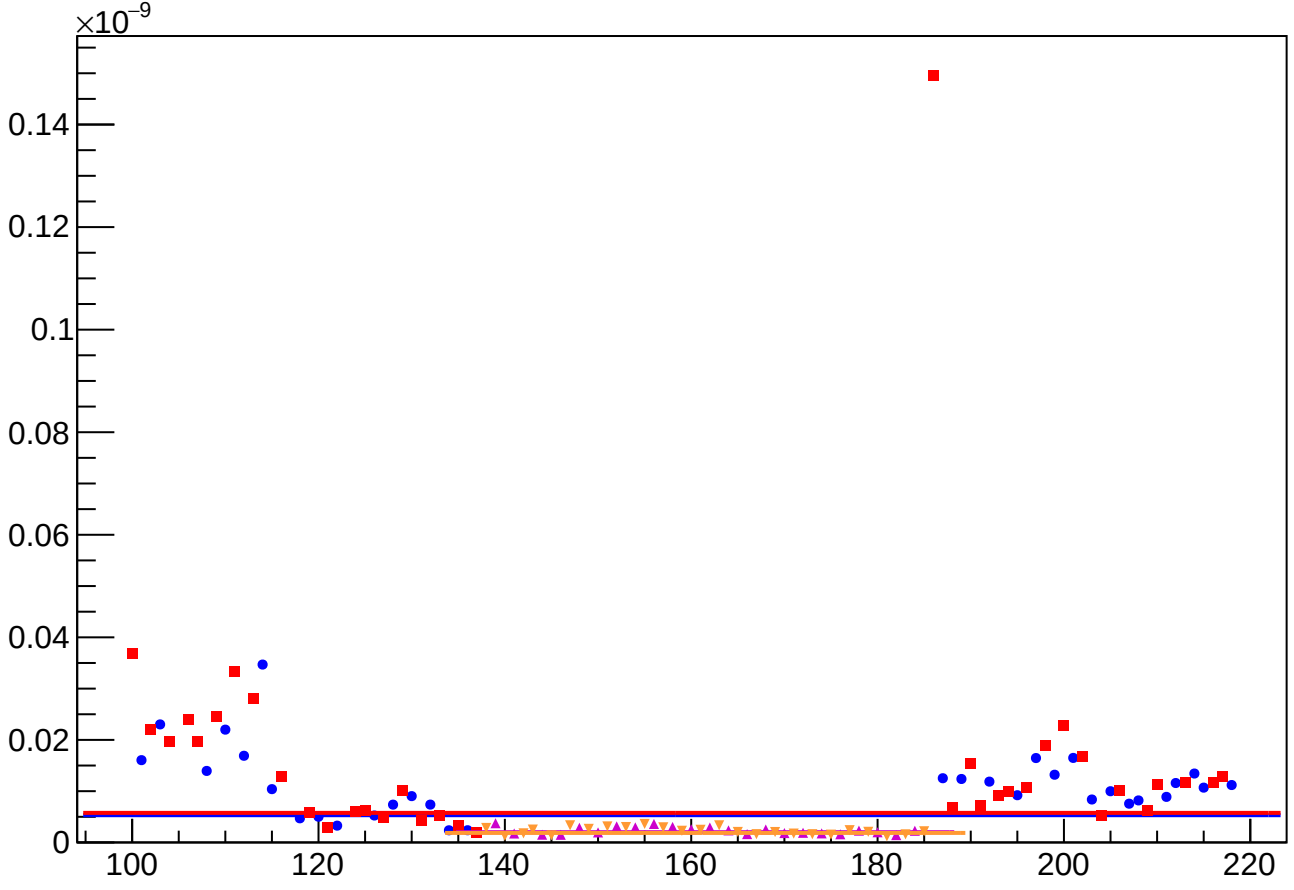
Right Out: -0.000+/-0.000 χ^2/NDF: 27.1/35

Left In: -0.000+/-0.000 χ^2/NDF:39.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 49.8/56

All: -0.000+/-0.000 χ^2/NDF: 117.0/115

- sign -0.000+/-0.000 χ^2/NDF: 66.6/58



Right In: 0.000+/-0.000 χ^2/NDF: 9560239.1/31

Left Out: 0.000+/-0.000 χ^2/NDF:2645485.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9670990.5/35

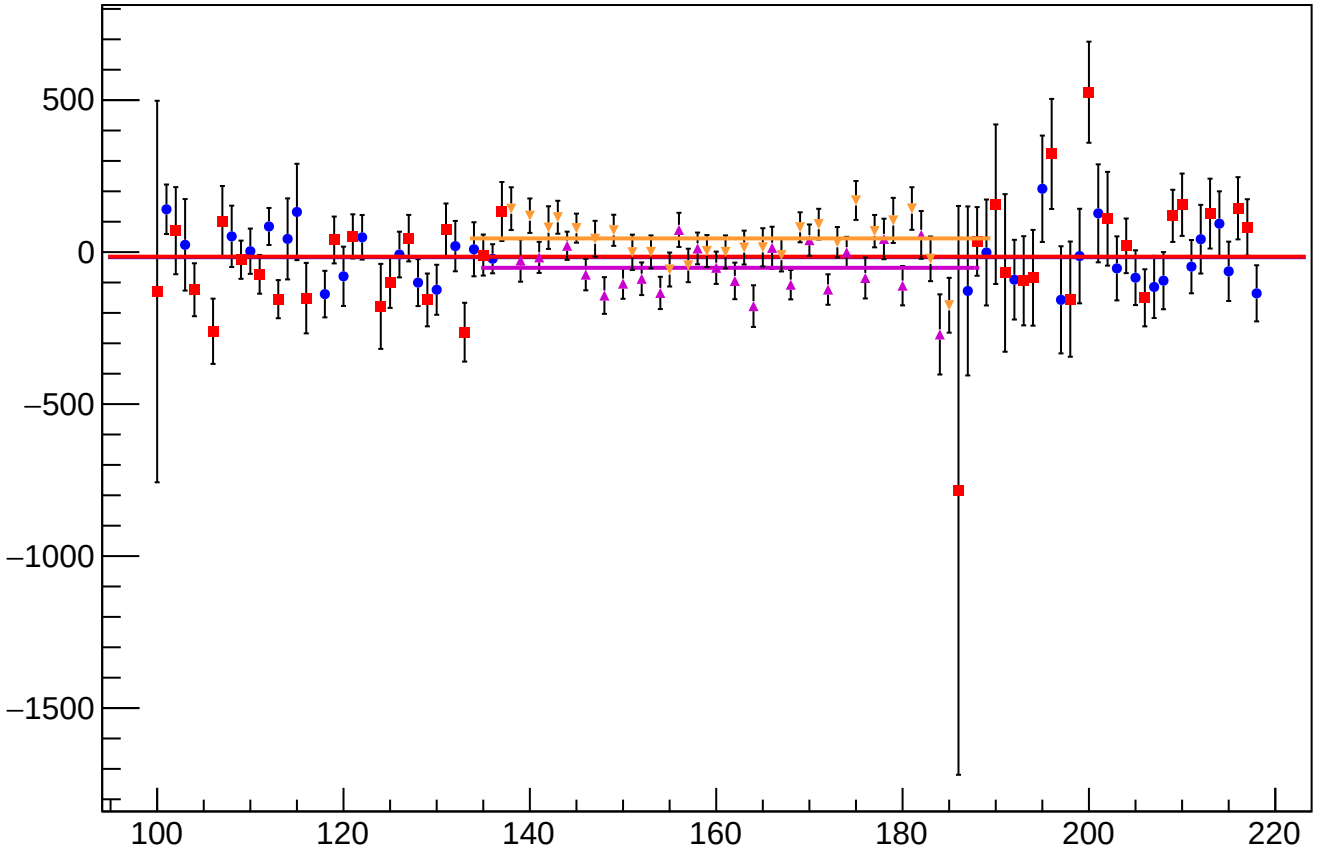
Left In: 0.000+/-0.000 χ^2/NDF:1948585.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 19208745.3/56

All: 0.000+/-0.000 χ^2/NDF: 37959747.9/115

- sign 0.000+/-0.000 χ^2/NDF: 18650134.2/58

reg_asym_sam_1357_avg_mean vs Slug



Right In: -16.617+/-16.460 χ^2/NDF: 24.3/31

Left Out: 45.093+/-11.495 χ^2/NDF:31.3/24

Right Out: -15.072+/-16.473 χ^2/NDF: 62.1/35

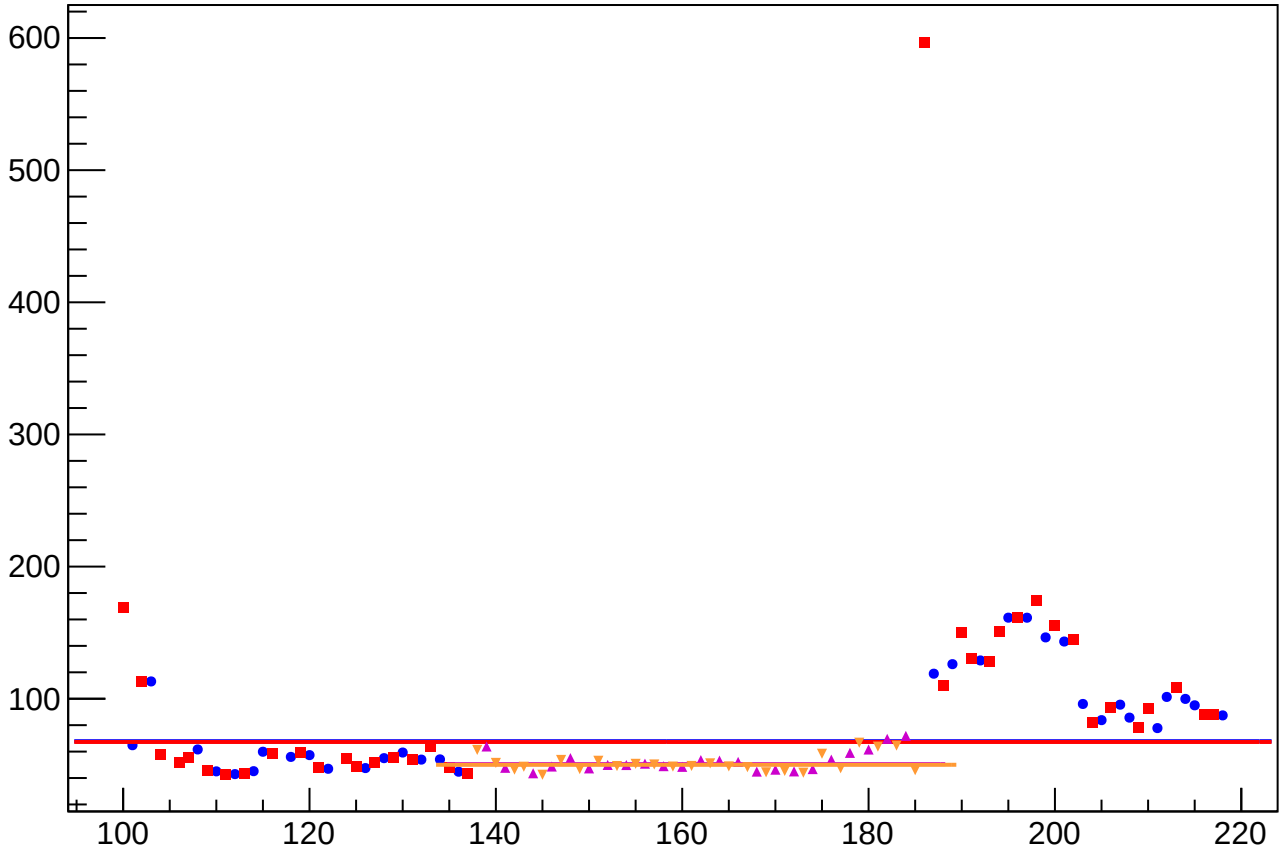
Left In: -51.616+/-11.929 χ^2/NDF:35.9/22

+ sign 24.864+/-9.424 χ^2/NDF: 65.1/56

All: -6.296+/-6.746 χ^2/NDF: 188.7/115

- sign -39.045+/-9.662 χ^2/NDF: 101.2/58

reg_asym_sam_1357_avg_rms vs Slug



Right In: 67.873+/-0.012 χ^2/NDF: 5659524.7/31

Left Out: 50.021+/-0.008 χ^2/NDF:509100.0/24

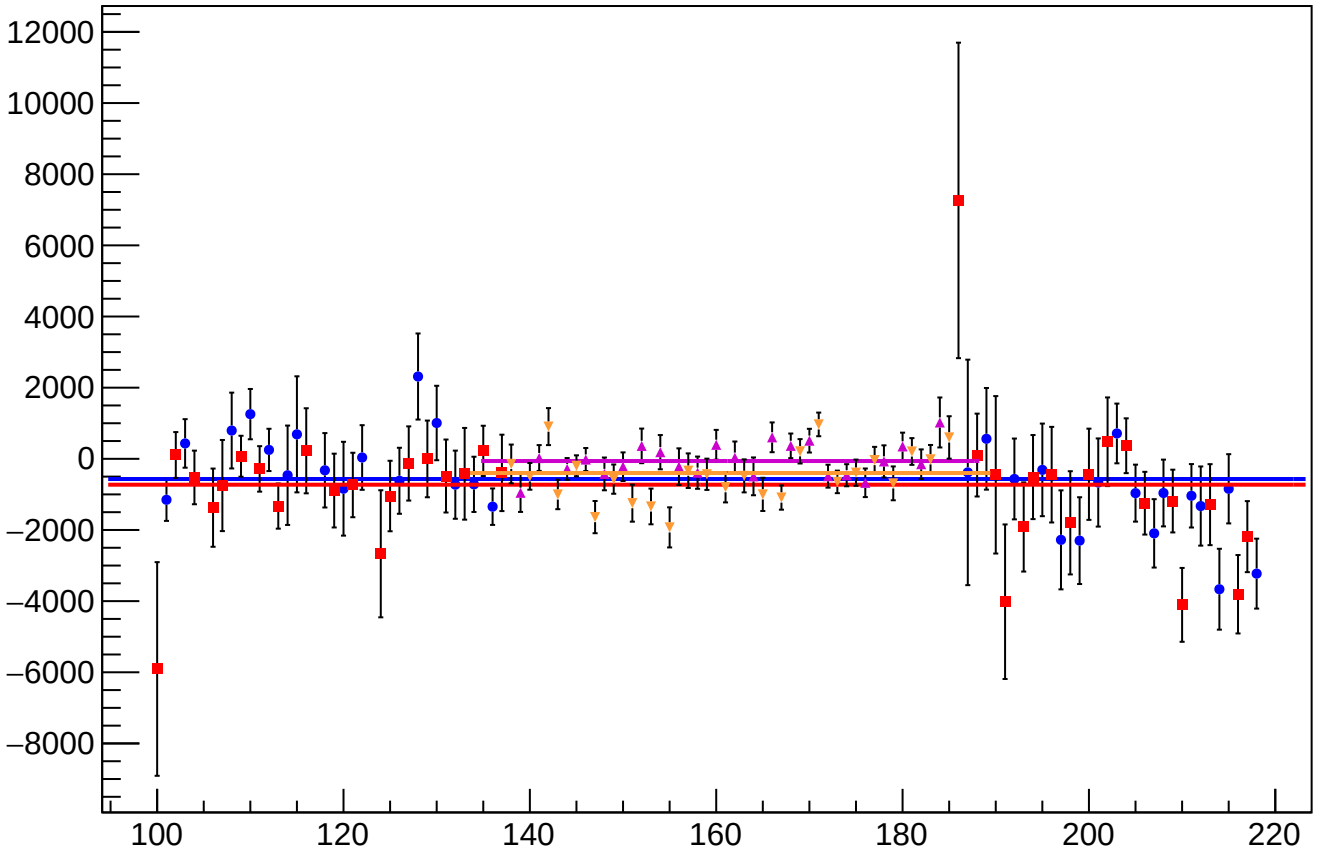
Right Out: 67.288+/-0.012 χ^2/NDF: 7127864.0/35

Left In: 50.512+/-0.008 χ^2/NDF:503409.2/22

+ sign 55.873+/-0.007 χ^2/NDF: 7750049.3/56

All: 56.073+/-0.005 χ^2/NDF: 16743821.6/115

- sign 56.283+/-0.007 χ^2/NDF: 8991930.0/58



Right In: -567.299+/-163.232 χ^2/NDF: 49.8/31

Left Out: -399.363+/-82.064 χ^2/NDF:65.4/24

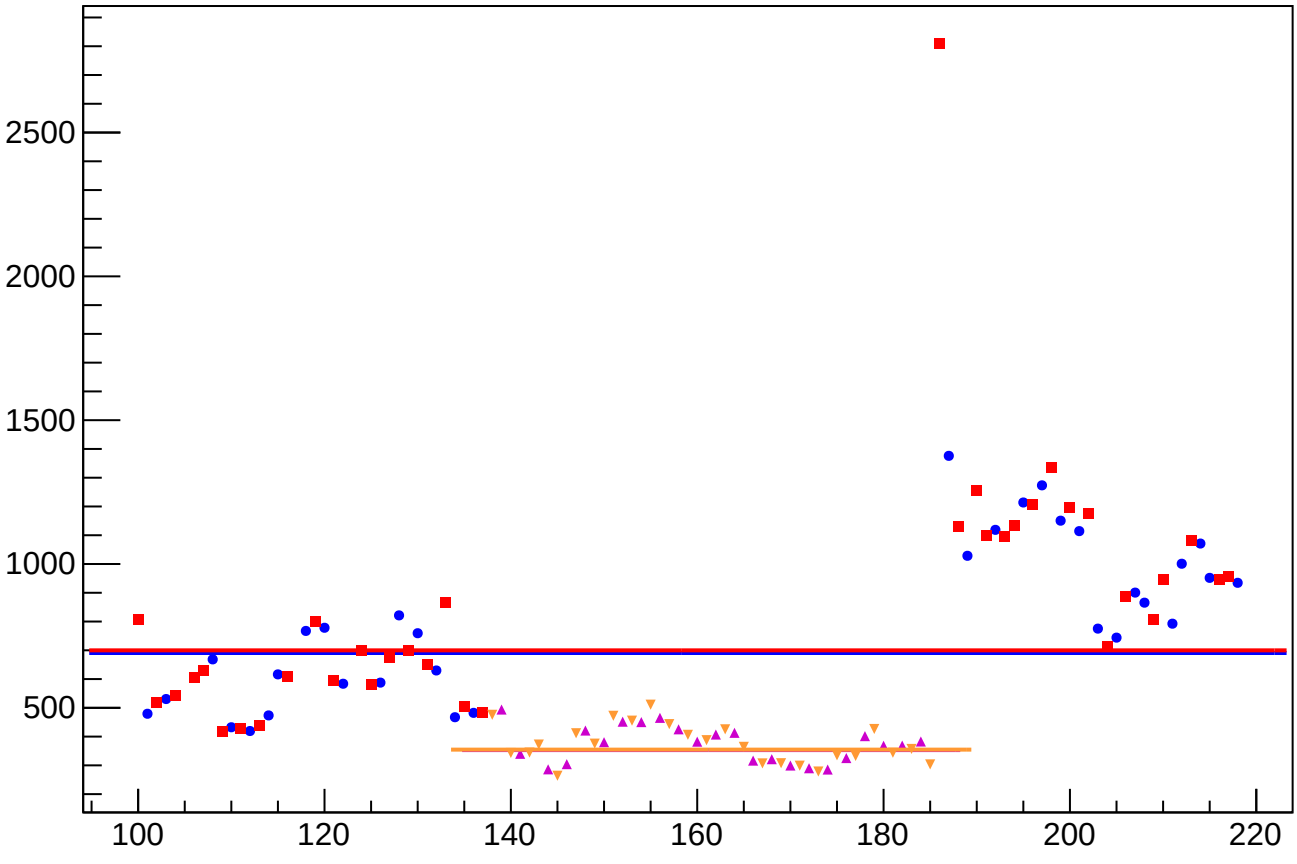
Right Out: -727.161+/-165.134 χ^2/NDF: 45.1/35

Left In: -62.038+/-83.892 χ^2/NDF:23.9/22

+ sign -433.245+/-73.319 χ^2/NDF: 116.0/56

All: -318.202+/-52.358 χ^2/NDF: 203.0/115

- sign -198.484+/-74.794 χ^2/NDF: 81.9/58



Right In: 690.623+/-0.115 χ^2/NDF: 4256645.4/31

Left Out: 354.670+/-0.058 χ^2/NDF:1145465.6/24

Right Out: 699.818+/-0.117 χ^2/NDF: 5161365.3/35

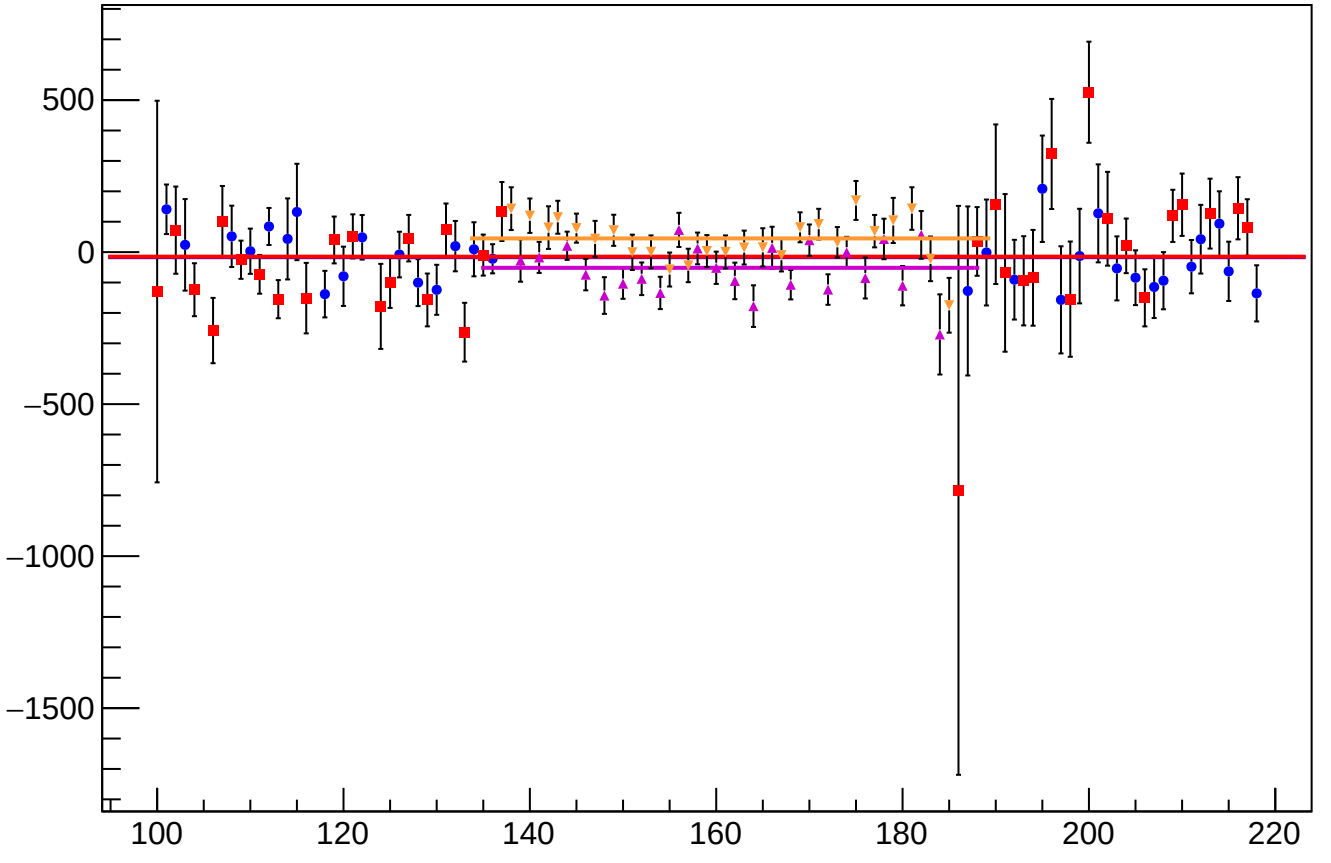
Left In: 353.110+/-0.059 χ^2/NDF:1004127.0/22

+ sign 422.450+/-0.052 χ^2/NDF: 12164656.5/56

All: 423.325+/-0.037 χ^2/NDF: 25338392.0/11

- sign 424.235+/-0.053 χ^2/NDF: 13173154.7/58

cor_asym_sam_1357_avg_mean vs Slug



Right In: -16.621+/-16.460 χ^2/NDF: 24.3/31

Left Out: 45.096+/-11.495 χ^2/NDF:31.3/24

Right Out: -14.990+/-16.473 χ^2/NDF: 62.0/35

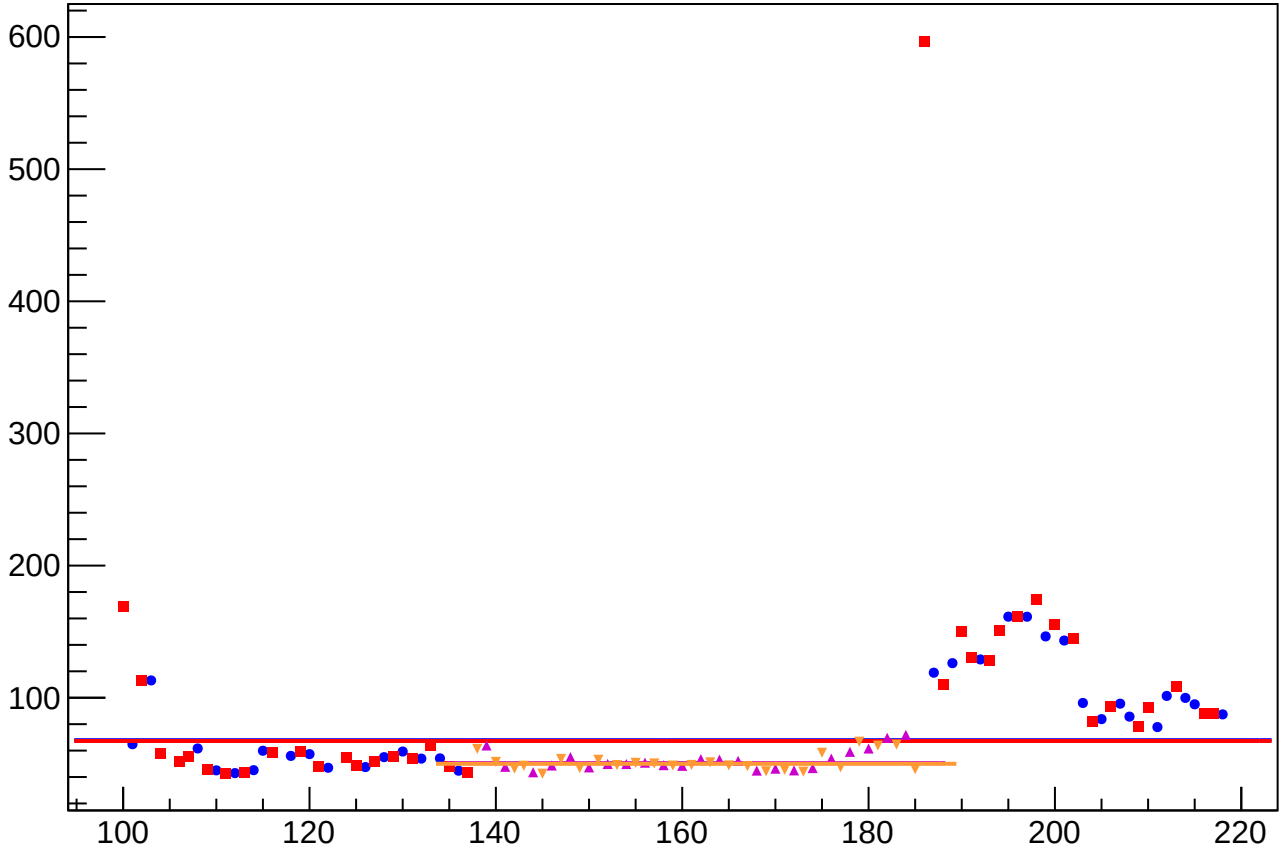
Left In: -51.616+/-11.929 χ^2/NDF:35.8/22

+ sign 24.865+/-9.424 χ^2/NDF: 65.1/56

All: -6.281+/-6.746 χ^2/NDF: 188.6/115

- sign -39.017+/-9.662 χ^2/NDF: 101.1/58

cor_asym_sam_1357_avg_rms vs Slug



Right In: 67.873+/-0.012 χ^2/NDF: 5659527.0/31

Left Out: 50.021+/-0.008 χ^2/NDF:509100.0/24

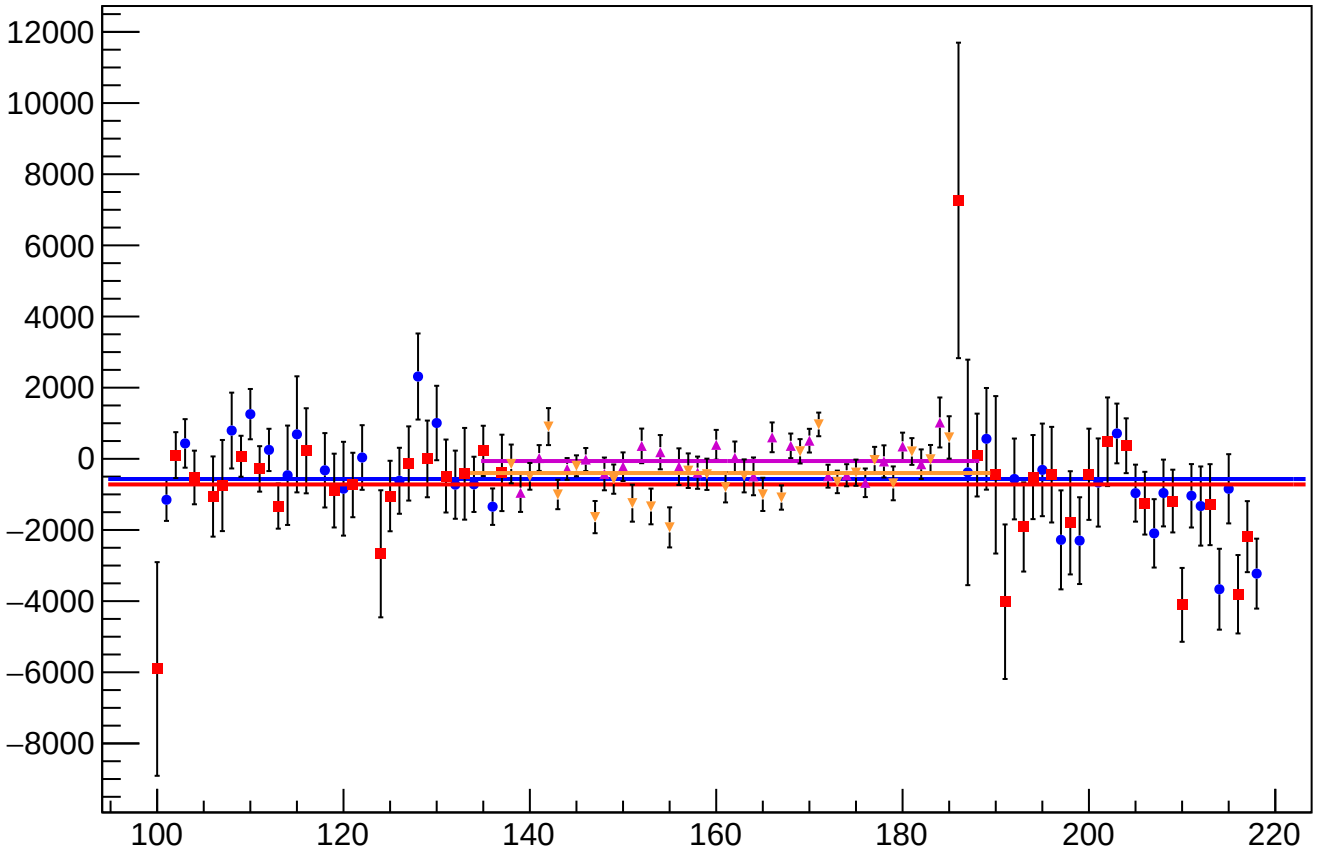
Right Out: 67.281+/-0.012 χ^2/NDF: 7129702.1/35

Left In: 50.512+/-0.008 χ^2/NDF:503409.2/22

+ sign 55.873+/-0.007 χ^2/NDF: 7750051.6/56

All: 56.072+/-0.005 χ^2/NDF: 16744522.9/115

- sign 56.280+/-0.007 χ^2/NDF: 8992650.9/58



Right In: -567.289+/-163.233 χ^2/NDF: 49.8/31

Left Out: -399.358+/-82.064 χ^2/NDF:65.4/24

Right Out: -720.054+/-165.237 χ^2/NDF: 44.8/35

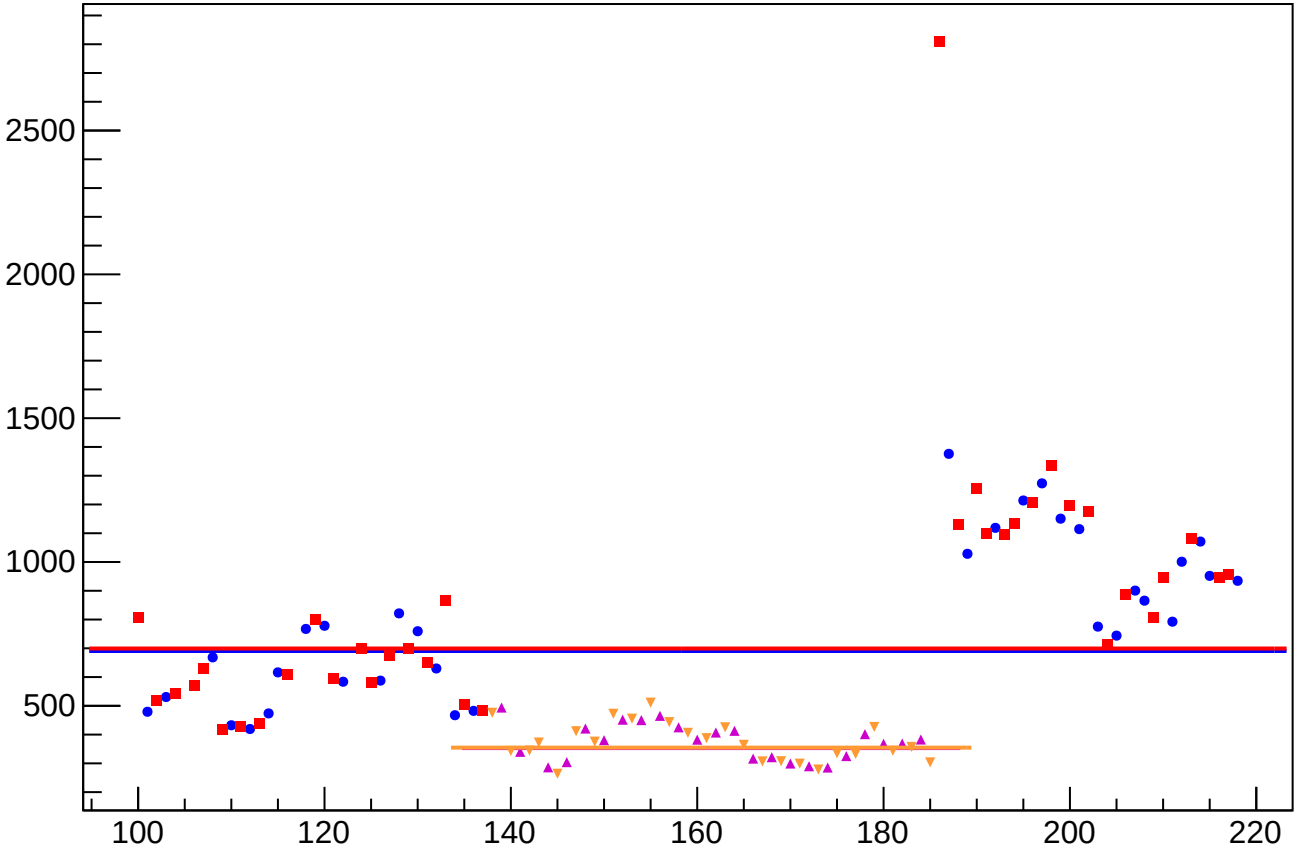
Left In: -62.038+/-83.892 χ^2/NDF:23.9/22

+ sign -433.239+/-73.319 χ^2/NDF: 116.0/56

All: -317.433+/-52.361 χ^2/NDF: 202.5/115

- sign -196.892+/-74.803 χ^2/NDF: 81.4/58

asym_sam_1357_avg_cor_correction_rms vs Slug



Right In: 690.628+/-0.115 χ^2/NDF: 4256544.9/31

Left Out: 354.670+/-0.058 χ^2/NDF:1145468.3/24

Right Out: 699.216+/-0.117 χ^2/NDF: 5171908.2/35

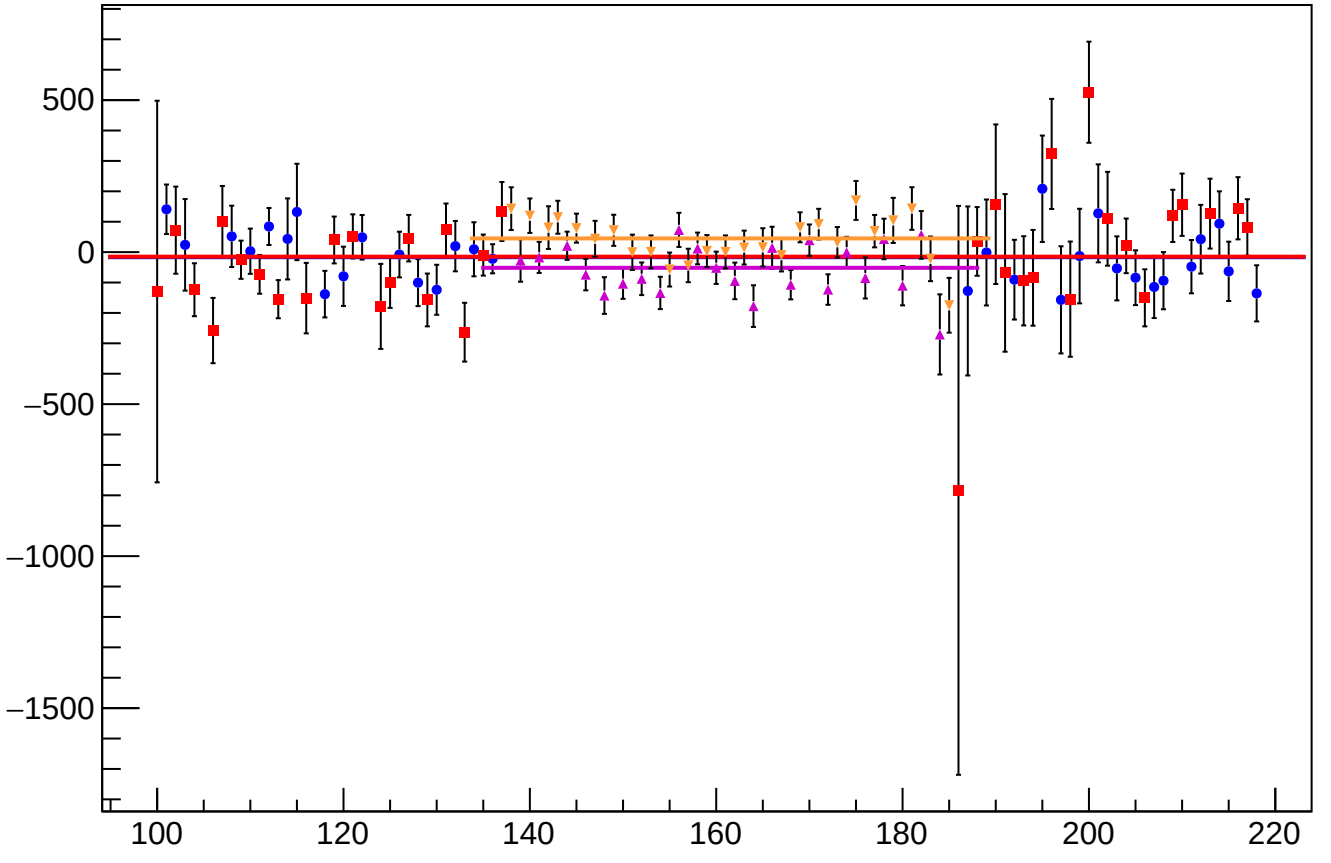
Left In: 353.110+/-0.059 χ^2/NDF:1004126.9/22

+ sign 422.450+/-0.052 χ^2/NDF: 12164710.0/56

All: 423.230+/-0.037 χ^2/NDF: 25317638.2/11

- sign 424.041+/-0.053 χ^2/NDF: 13152466.8/58

eigen_cor_asym_sam_1357_avg_mean vs Slug



Right In: -16.621+/-16.460 χ^2/NDF: 24.3/31

Left Out: 45.096+/-11.495 χ^2/NDF:31.3/24

Right Out: -14.990+/-16.473 χ^2/NDF: 62.0/35

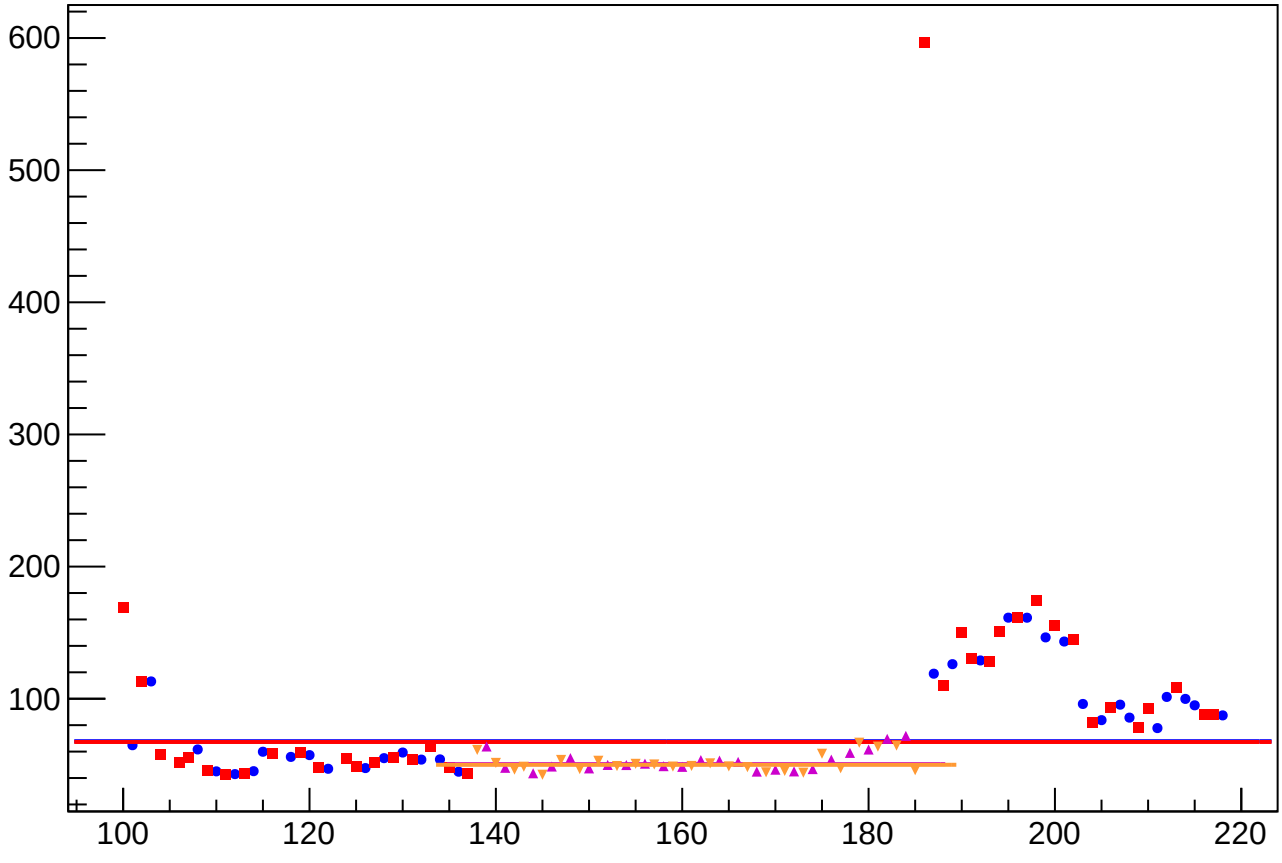
Left In: -51.616+/-11.929 χ^2/NDF:35.8/22

+ sign 24.865+/-9.424 χ^2/NDF: 65.1/56

All: -6.281+/-6.746 χ^2/NDF: 188.6/115

- sign -39.017+/-9.662 χ^2/NDF: 101.1/58

eigen_cor_asym_sam_1357_avg_rms vs Slug



Right In: 67.873+/-0.012 χ^2/NDF: 5659527.0/31

Left Out: 50.021+/-0.008 χ^2/NDF:509100.0/24

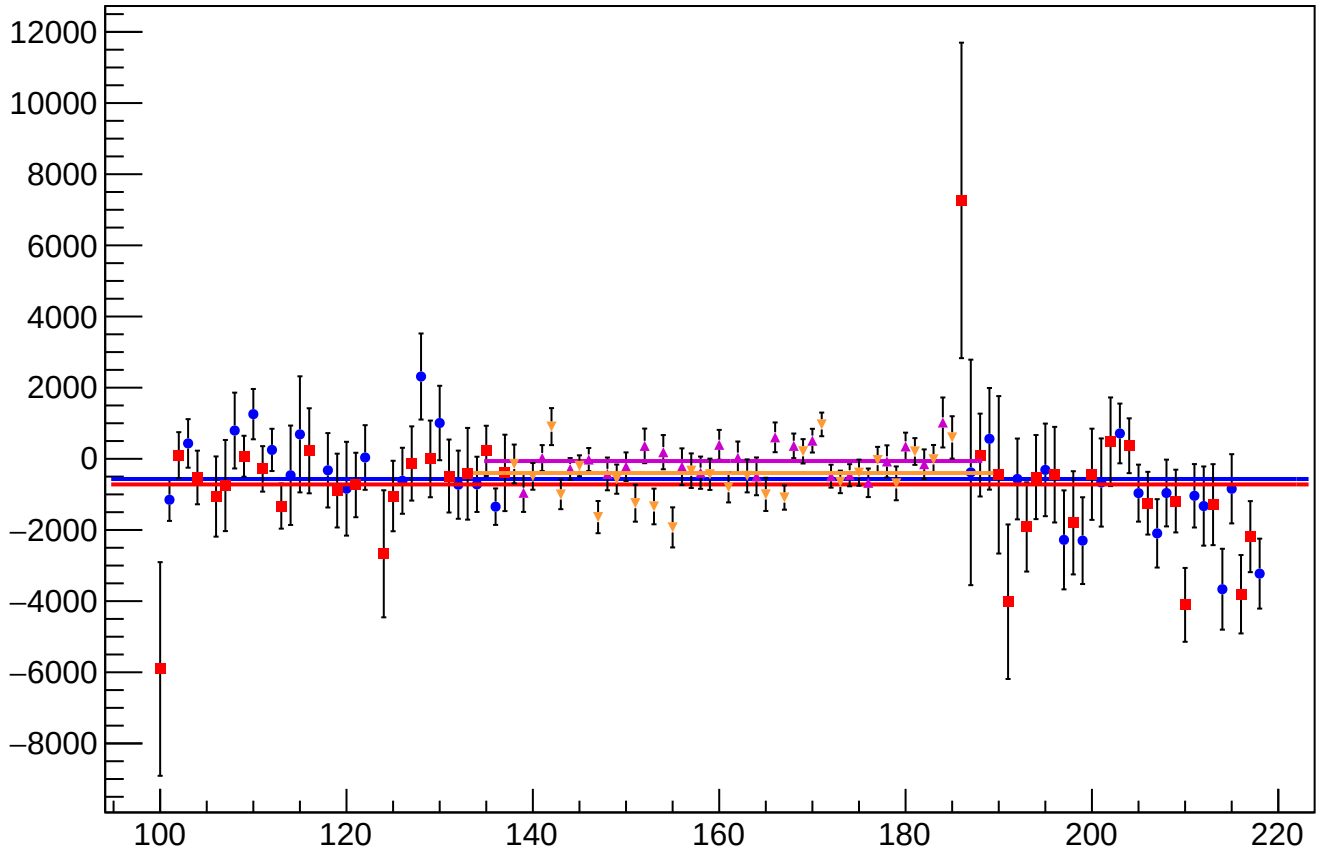
Right Out: 67.281+/-0.012 χ^2/NDF: 7129702.1/35

Left In: 50.512+/-0.008 χ^2/NDF:503409.2/22

+ sign 55.873+/-0.007 χ^2/NDF: 7750051.6/56

All: 56.072+/-0.005 χ^2/NDF: 16744522.9/115

- sign 56.280+/-0.007 χ^2/NDF: 8992650.9/58



Right In: -567.289+/-163.233 χ^2/NDF: 49.8/31

Left Out: -399.358+/-82.064 χ^2/NDF:65.4/24

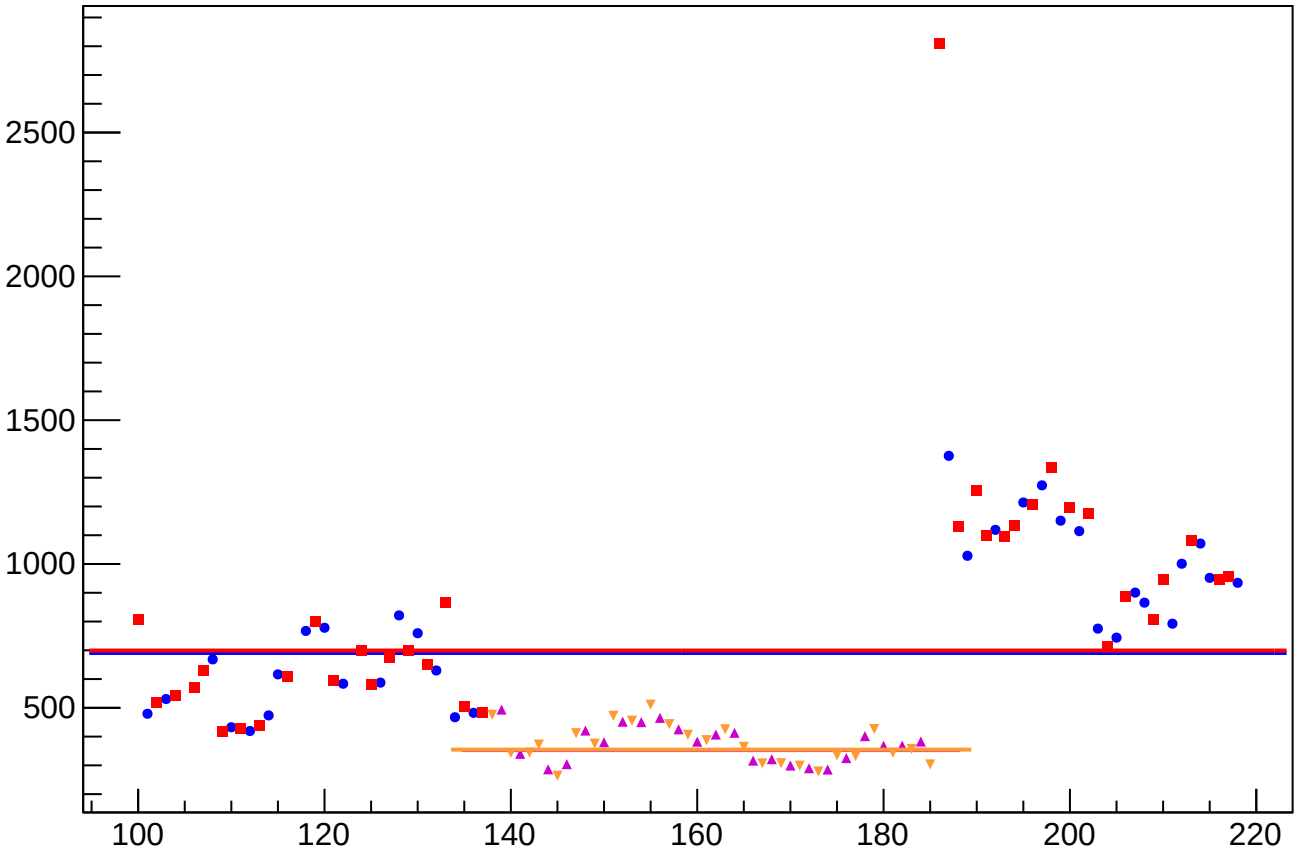
Right Out: -720.054+/-165.237 χ^2/NDF: 44.8/35

Left In: -62.038+/-83.892 χ^2/NDF:23.9/22

+ sign -433.239+/-73.319 χ^2/NDF: 116.0/56

All: -317.433+/-52.361 χ^2/NDF: 202.5/115

- sign -196.892+/-74.803 χ^2/NDF: 81.4/58



Right In: 690.628+/-0.115 χ^2/NDF: 4256544.9/31

Left Out: 354.670+/-0.058 χ^2/NDF:1145468.3/24

Right Out: 699.216+/-0.117 χ^2/NDF: 5171908.2/35

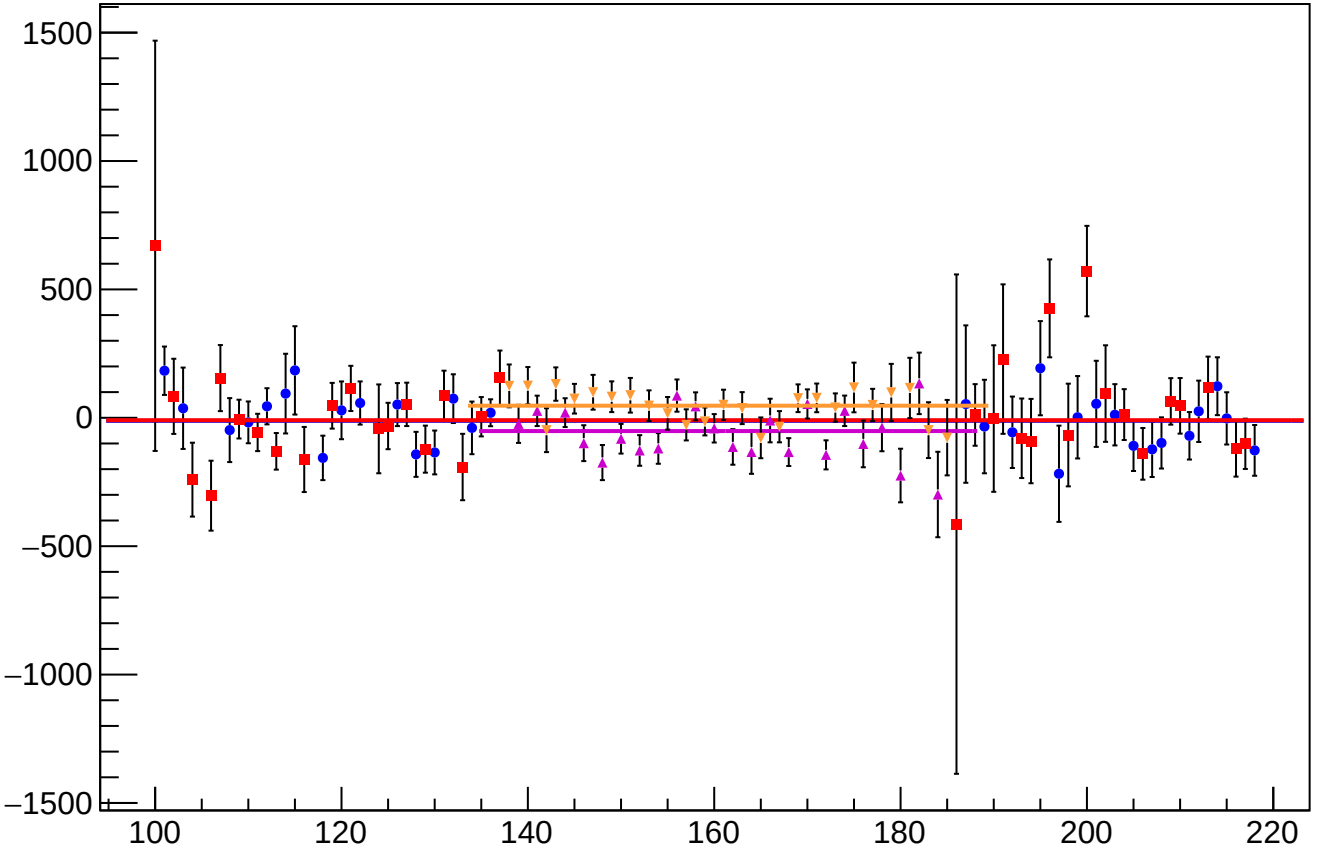
Left In: 353.110+/-0.059 χ^2/NDF:1004126.9/22

+ sign 422.450+/-0.052 χ^2/NDF: 12164710.0/56

All: 423.230+/-0.037 χ^2/NDF: 25317638.2/11

- sign 424.041+/-0.053 χ^2/NDF: 13152466.8/58

dit_asym_sam_1357_avg_mean vs Slug



Right In: -11.762+/-18.167 χ^2/NDF: 25.5/31

Left Out: 47.151+/-13.511 χ^2/NDF:17.0/24

Right Out: -9.514+/-18.633 χ^2/NDF: 48.2/35

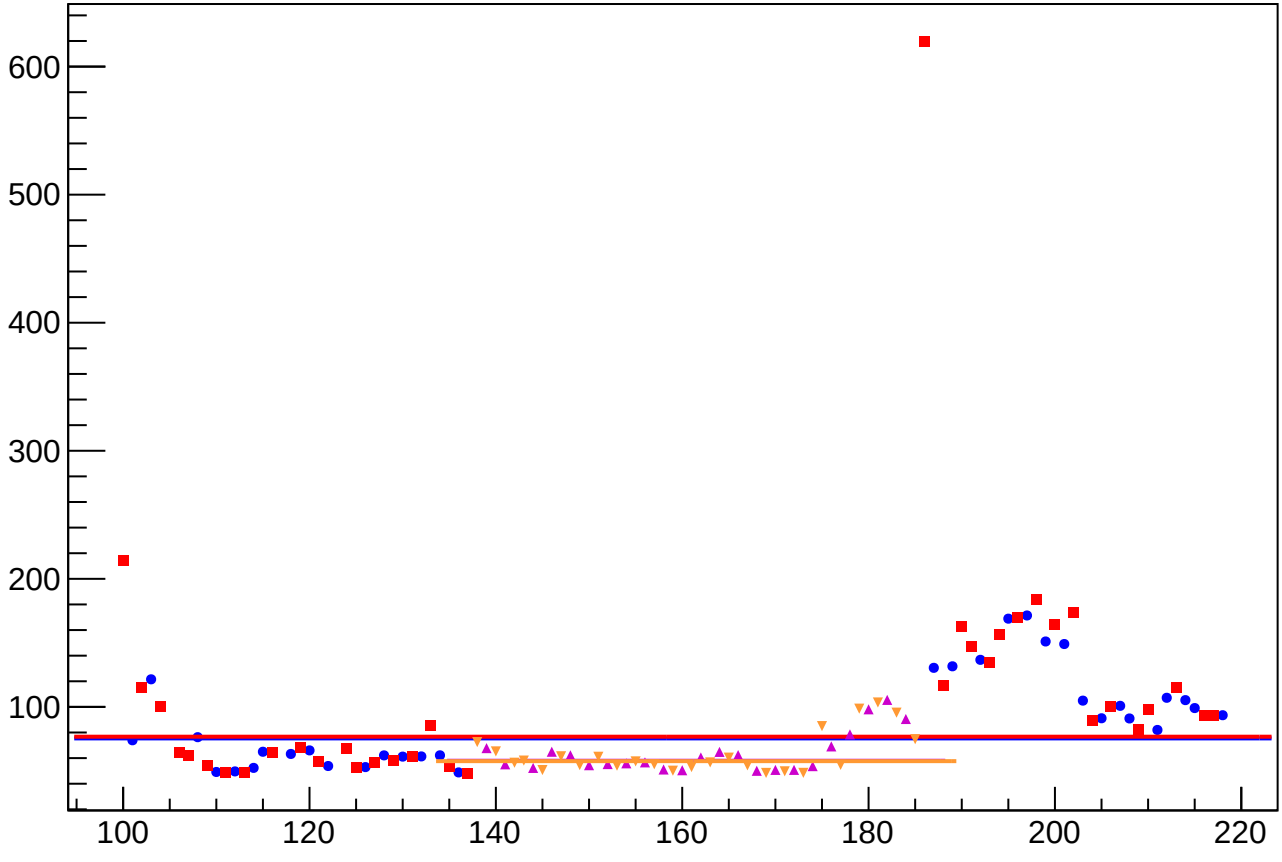
Left In: -51.652+/-13.934 χ^2/NDF:38.2/22

+ sign 26.170+/-10.842 χ^2/NDF: 49.3/56

All: -4.281+/-7.776 χ^2/NDF: 155.2/115

- sign -36.540+/-11.159 χ^2/NDF: 89.6/58

dit_asym_sam_1357_avg_rms vs Slug



Right In: 75.389+/-0.013 χ^2/NDF: 5039001.4/31

Left Out: 57.631+/-0.010 χ^2/NDF:1365448.6/24

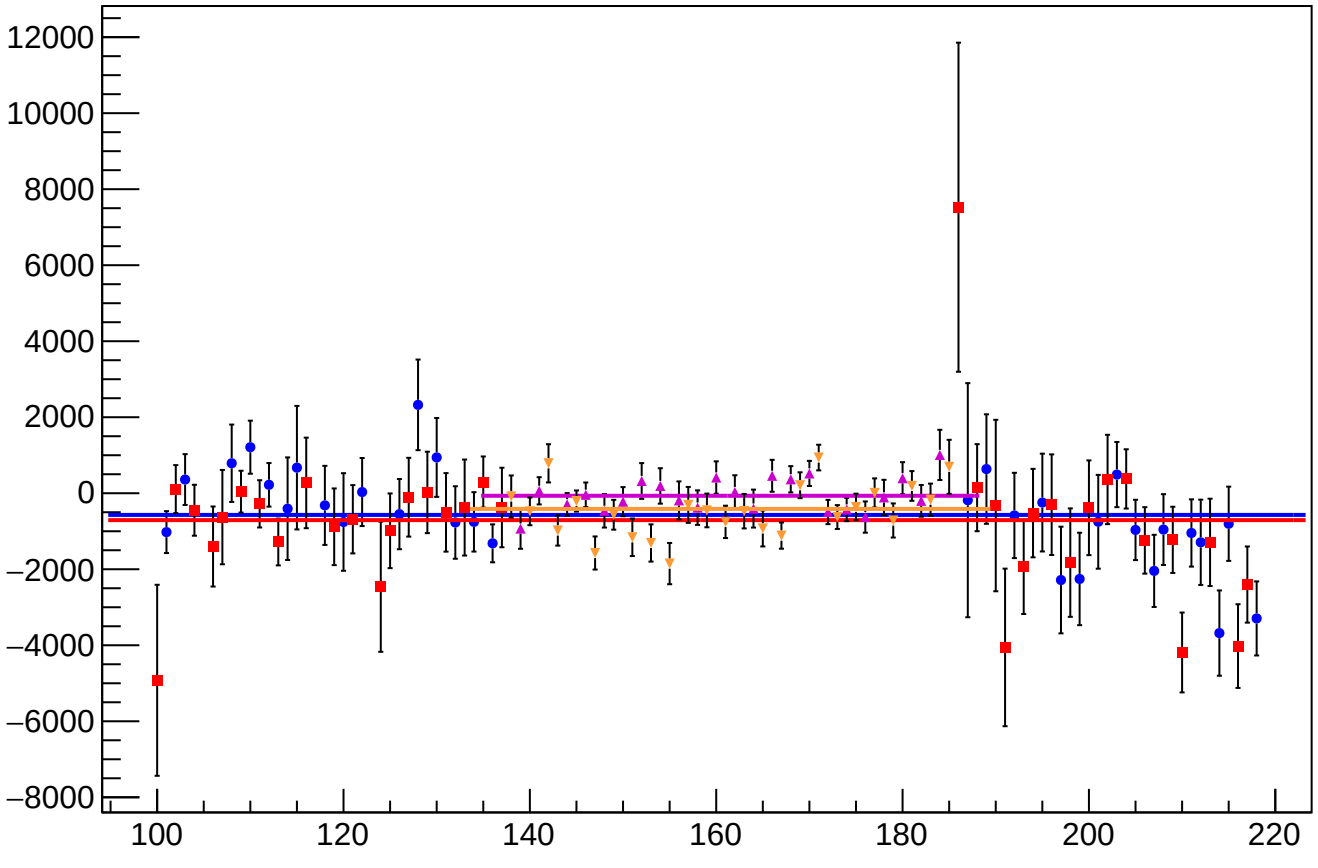
Right Out: 76.720+/-0.013 χ^2/NDF: 6434903.4/35

Left In: 57.940+/-0.010 χ^2/NDF:1124523.3/22

+ sign 63.955+/-0.008 χ^2/NDF: 7634775.1/56

All: 64.305+/-0.005 χ^2/NDF: 16501520.8/115

- sign 64.675+/-0.008 χ^2/NDF: 8862459.9/58



Right In: -570.090+/-160.433 χ^2/NDF: 49.1/31

Left Out: -413.053+/-81.134 χ^2/NDF:61.3/24

Right Out: -707.533+/-160.984 χ^2/NDF: 48.6/35

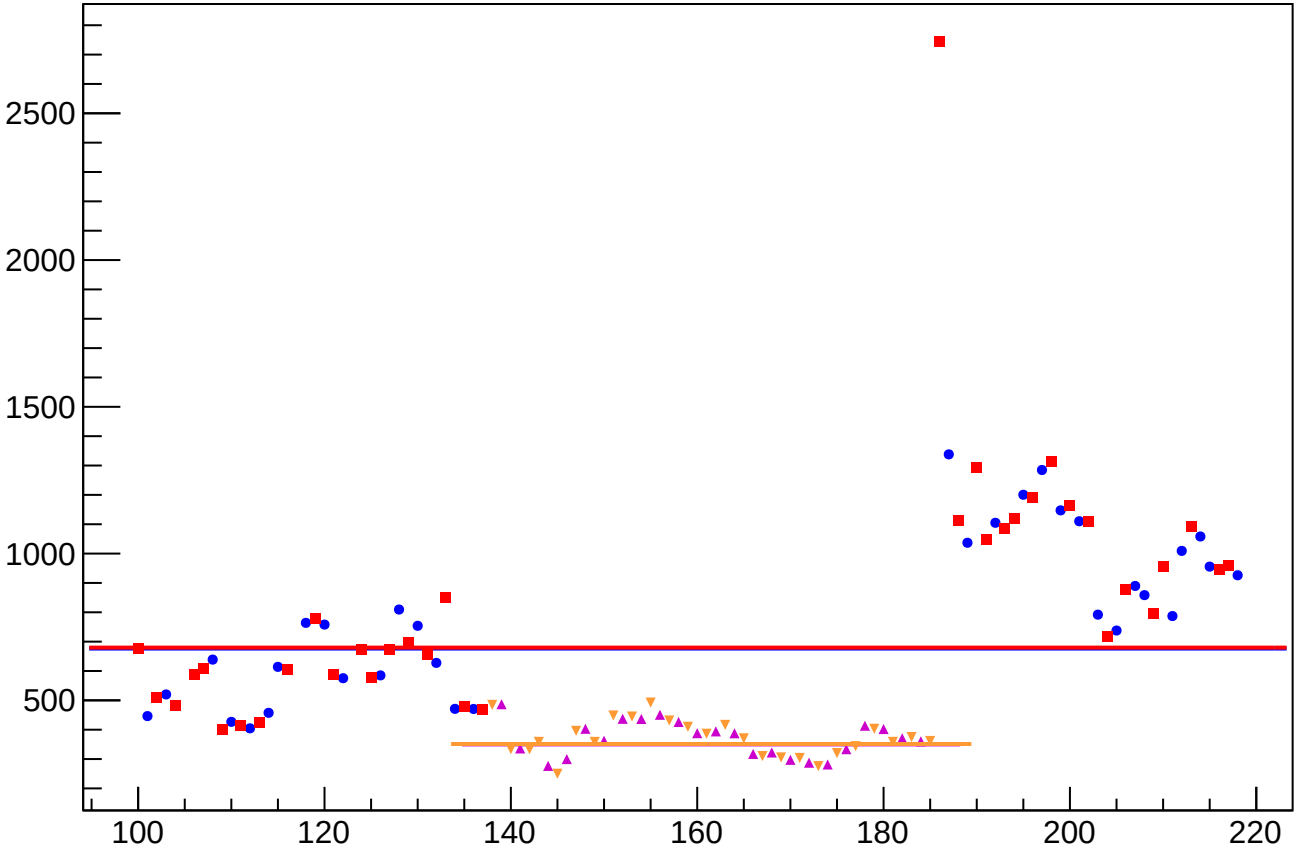
Left In: -66.637+/-83.082 χ^2/NDF:22.9/22

+ sign -445.036+/-72.402 χ^2/NDF: 111.2/56

All: -325.613+/-51.693 χ^2/NDF: 200.8/115

- sign -201.435+/-73.829 χ^2/NDF: 84.0/58

asym_sam_1357_avg_dit_correction_rms vs Slug



Right In: 676.384+/-0.113 χ^2/NDF: 4530986.0/31

Left Out: 351.264+/-0.057 χ^2/NDF:1118247.7/24

Right Out: 679.658+/-0.114 χ^2/NDF: 5460365.2/35

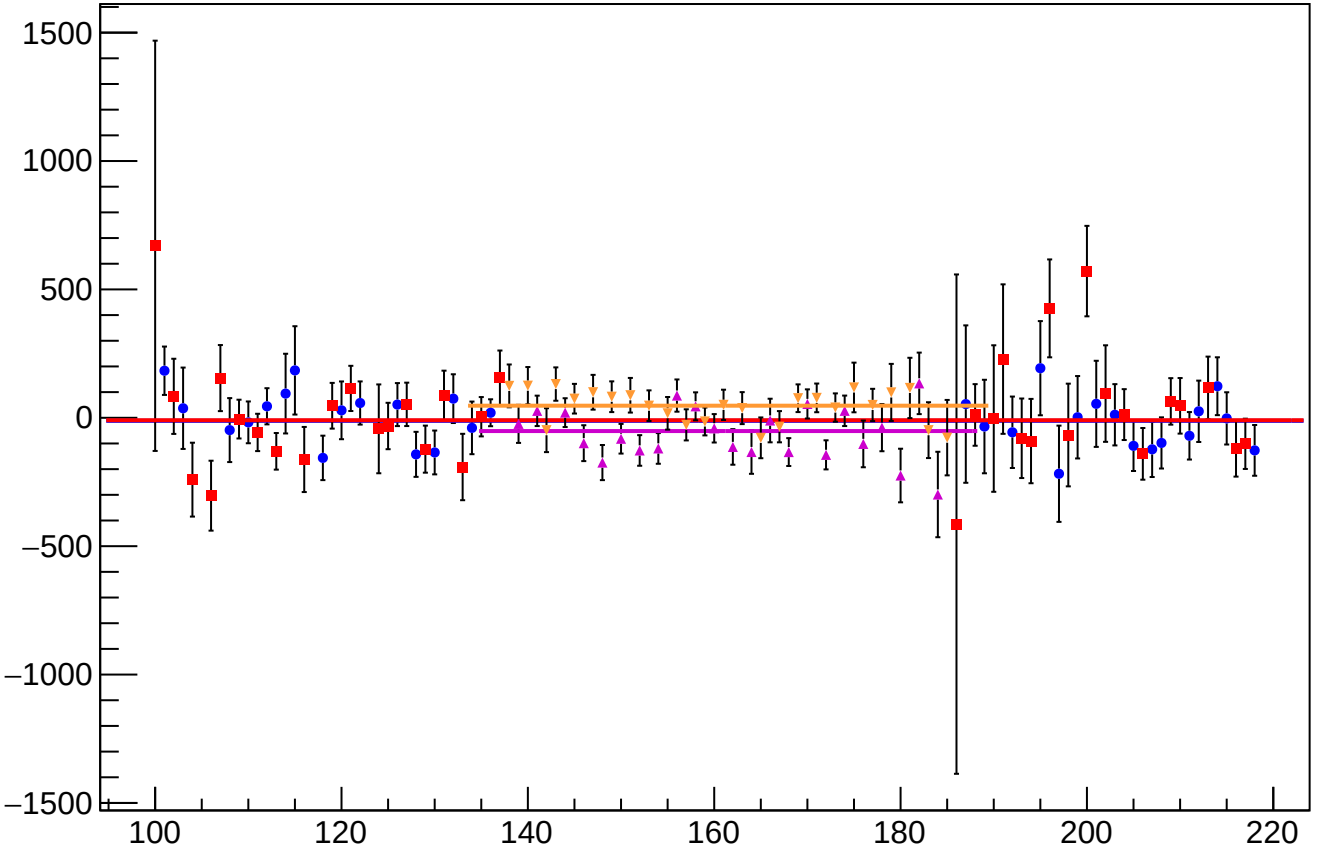
Left In: 349.813+/-0.059 χ^2/NDF:990366.6/22

+ sign 417.480+/-0.051 χ^2/NDF: 12189943.9/56

All: 418.317+/-0.037 χ^2/NDF: 25271517.5/11

- sign 419.188+/-0.052 χ^2/NDF: 13081027.8/58

eigen_dit_asym_sam_1357_avg_mean vs Slug



Right In: -11.762+/-18.167 χ^2/NDF: 25.5/31

Left Out: 47.151+/-13.511 χ^2/NDF:17.0/24

Right Out: -9.513+/-18.633 χ^2/NDF: 48.2/35

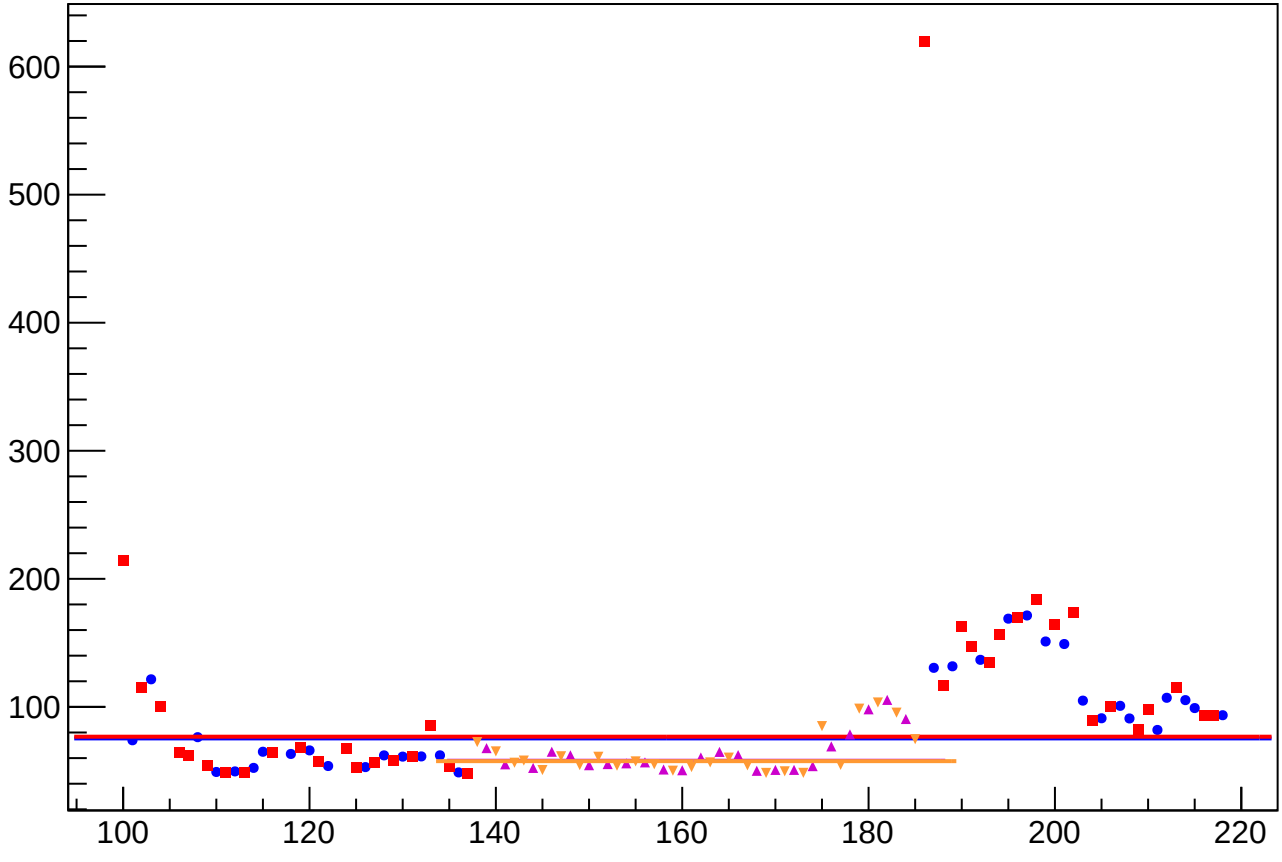
Left In: -51.651+/-13.934 χ^2/NDF:38.2/22

+ sign 26.170+/-10.842 χ^2/NDF: 49.3/56

All: -4.281+/-7.776 χ^2/NDF: 155.2/115

- sign -36.539+/-11.159 χ^2/NDF: 89.6/58

eigen_dit_asym_sam_1357_avg_rms vs Slug



Right In: 75.389+/-0.013 χ^2/NDF: 5038973.7/31

Left Out: 57.631+/-0.010 χ^2/NDF:1365443.1/24

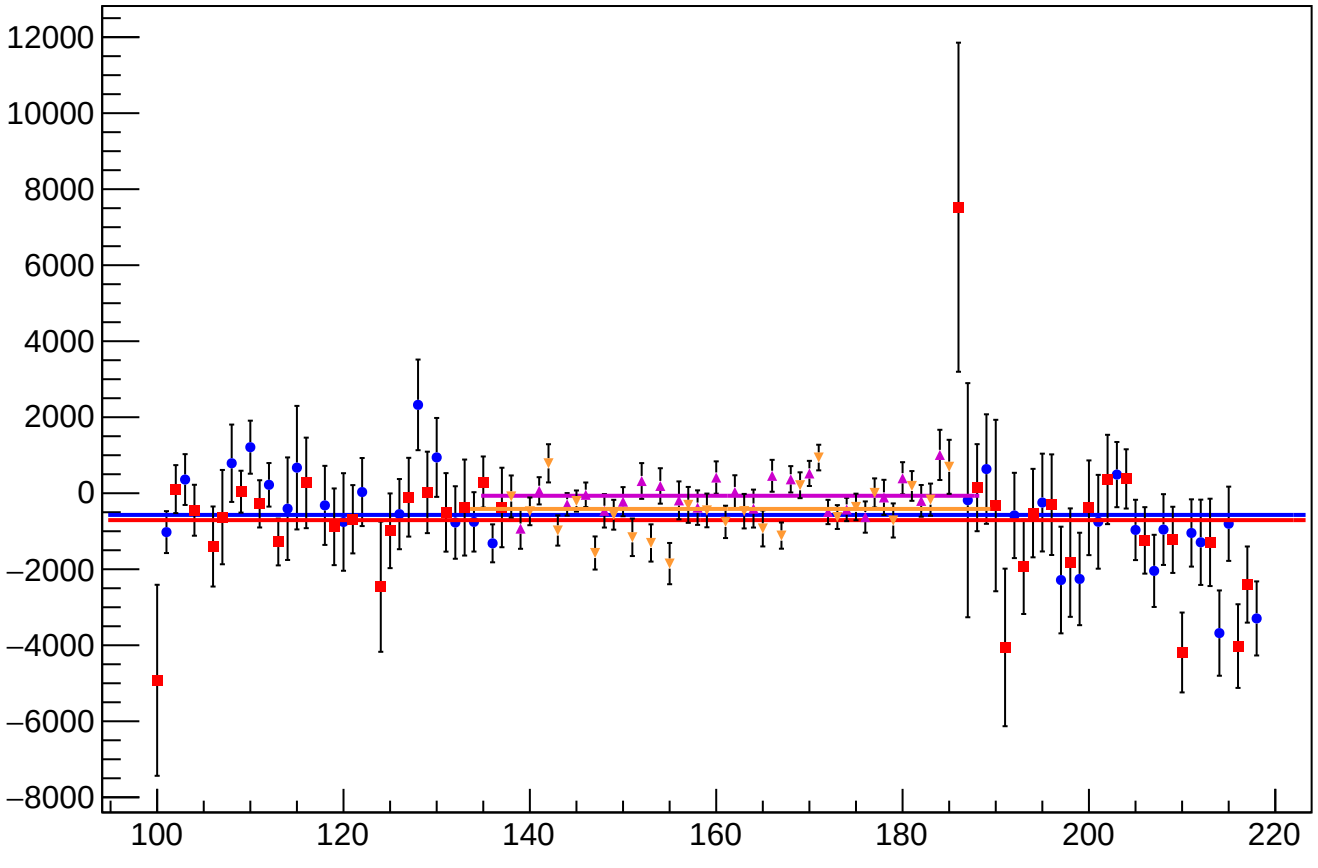
Right Out: 76.720+/-0.013 χ^2/NDF: 6434881.5/35

Left In: 57.940+/-0.010 χ^2/NDF:1124509.8/22

+ sign 63.955+/-0.008 χ^2/NDF: 7634738.7/56

All: 64.305+/-0.005 χ^2/NDF: 16501443.5/115

- sign 64.675+/-0.008 χ^2/NDF: 8862418.7/58



Right In: -570.088+/-160.433 χ^2/NDF: 49.1/31

Left Out: -413.053+/-81.134 χ^2/NDF:61.3/24

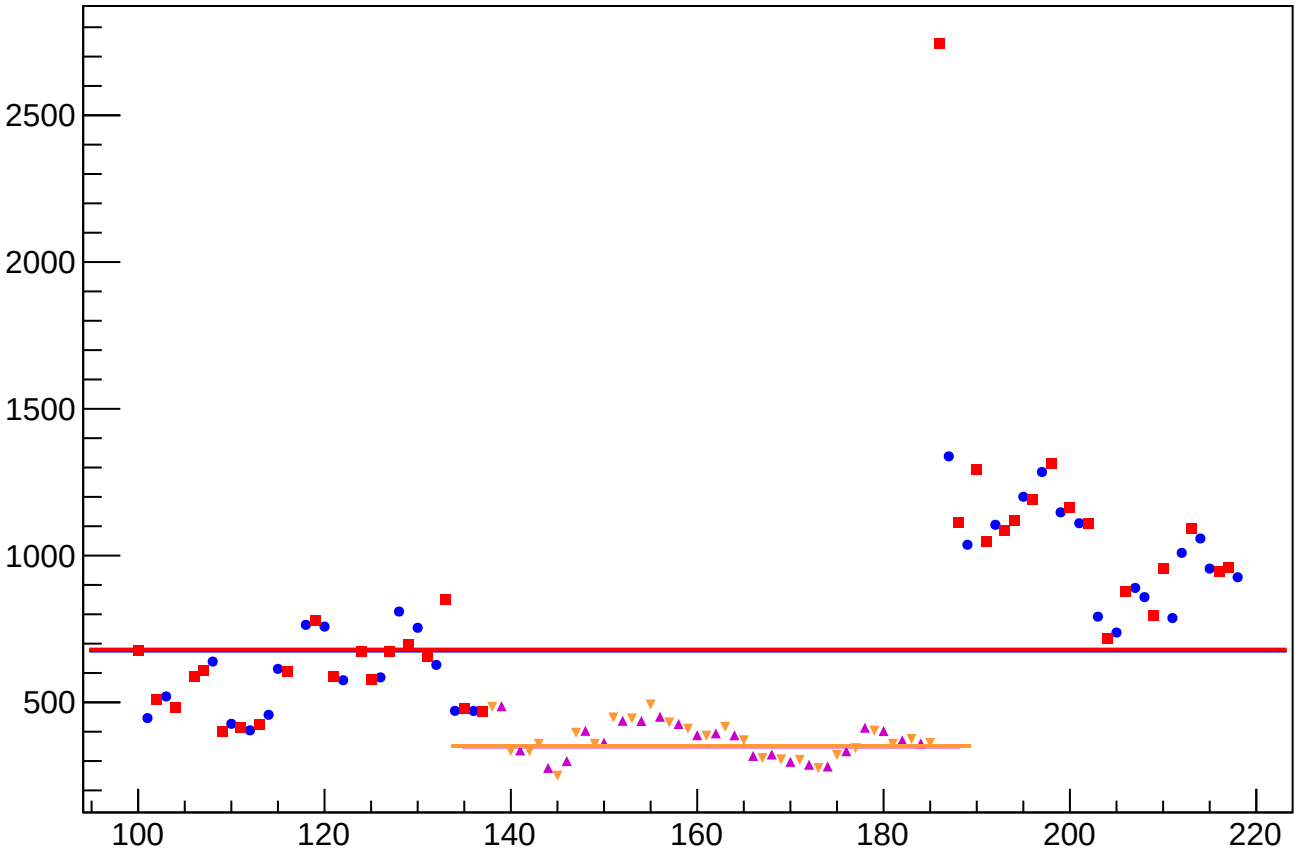
Right Out: -707.532+/-160.984 χ^2/NDF: 48.6/35

Left In: -66.637+/-83.082 χ^2/NDF:22.9/22

+ sign -445.036+/-72.402 χ^2/NDF: 111.2/56

All: -325.612+/-51.693 χ^2/NDF: 200.8/115

- sign -201.434+/-73.829 χ^2/NDF: 84.0/58



Right In: 676.382+/-0.113 χ^2/NDF: 4530999.1/31

Left Out: 351.264+/-0.057 χ^2/NDF:1118243.1/24

Right Out: 679.657+/-0.114 χ^2/NDF: 5460373.6/35

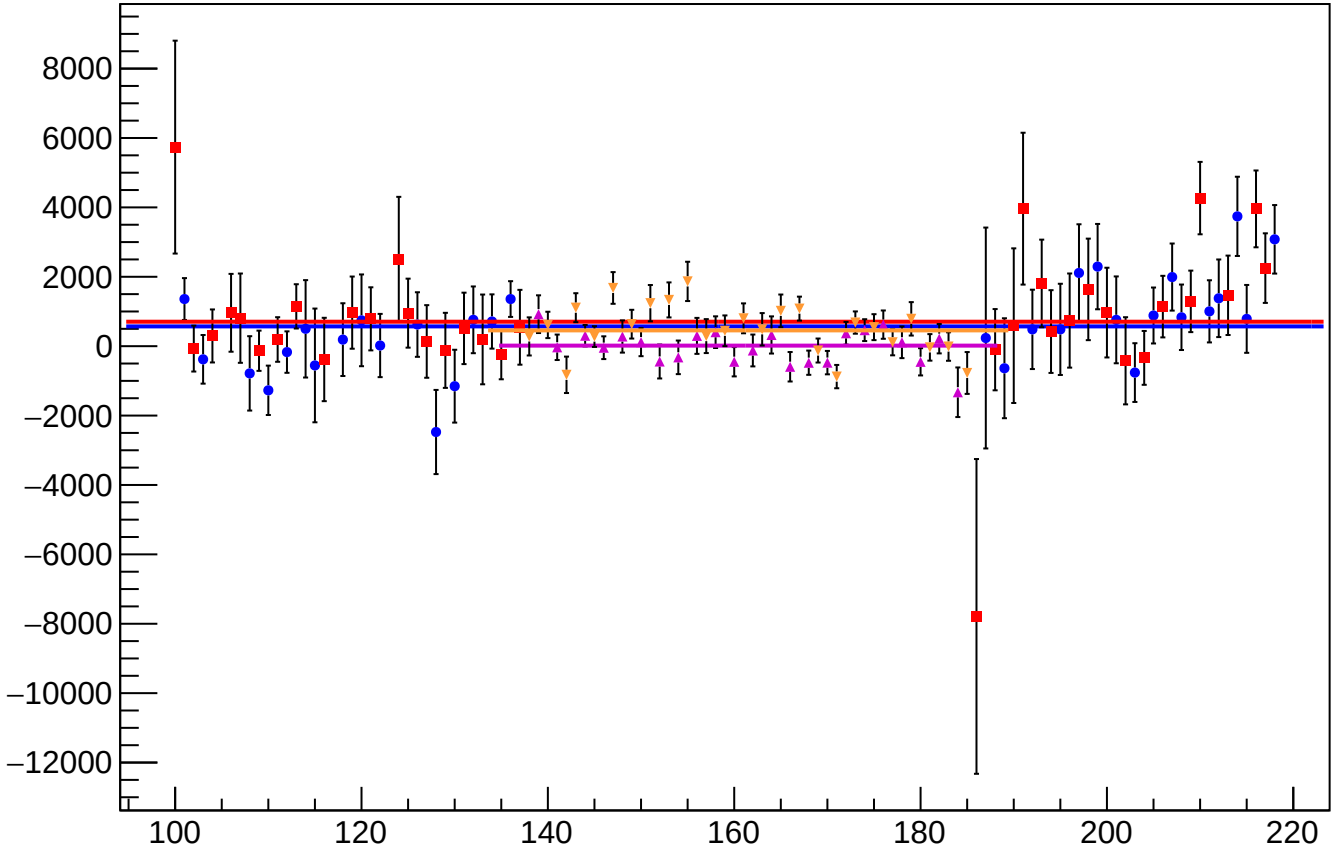
Left In: 349.813+/-0.059 χ^2/NDF:990359.9/22

+ sign 417.479+/-0.051 χ^2/NDF: 12189937.3/56

All: 418.317+/-0.037 χ^2/NDF: 25271490.6/11

- sign 419.188+/-0.052 χ^2/NDF: 13081007.4/58

asym_sam_1357_avg_mean vs Slug



Right In: 569.900+/-164.463 χ^2/NDF: 49.5/31

Left Out: 455.234+/-82.961 χ^2/NDF:60.8/24

Right Out: 705.345+/-166.390 χ^2/NDF: 46.3/35

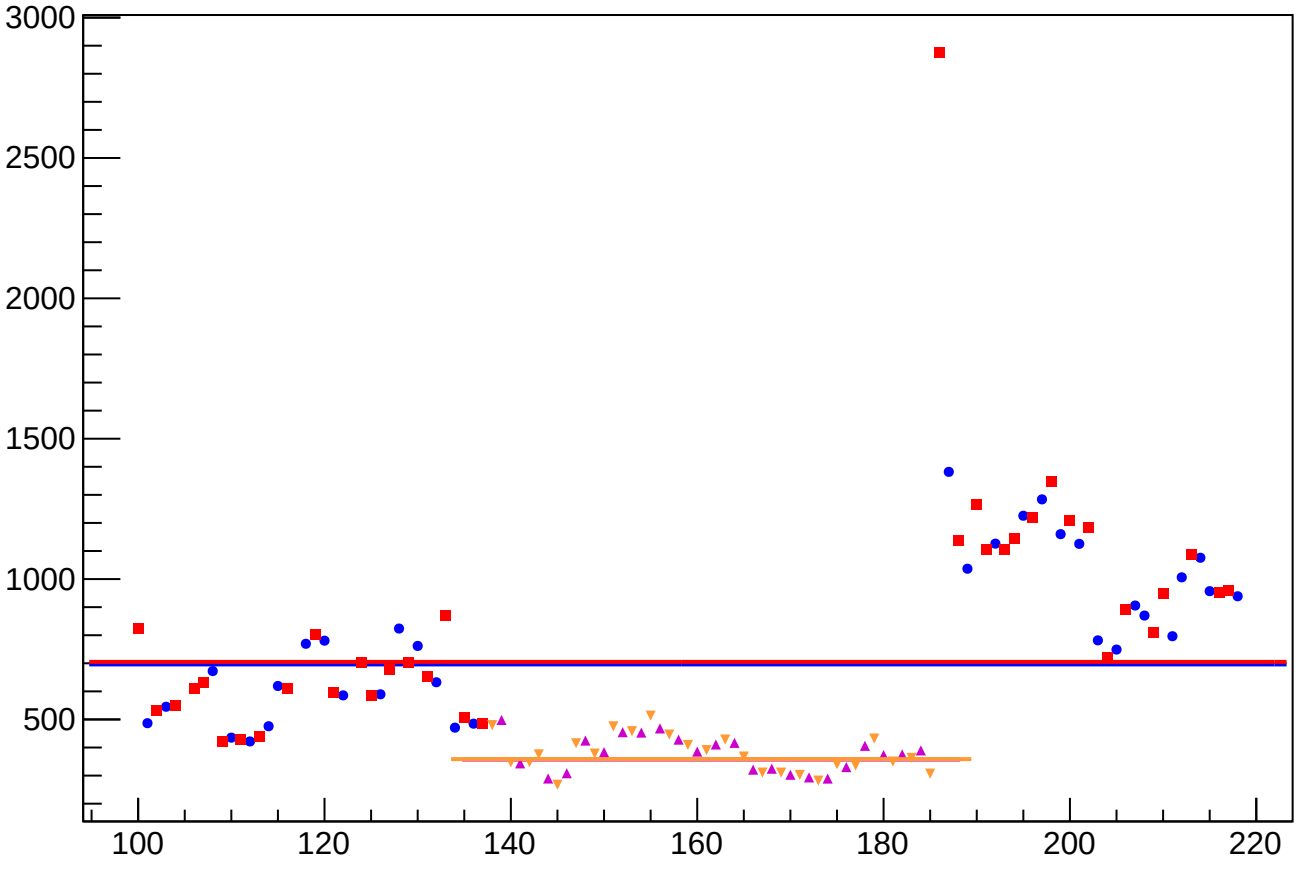
Left In: 16.073+/-84.830 χ^2/NDF:24.9/22

+ sign 478.493+/-74.070 χ^2/NDF: 110.8/56

All: 321.602+/-52.900 χ^2/NDF: 204.7/115

- sign 158.272+/-75.575 χ^2/NDF: 84.8/58

asym_sam_1357_avg_rms vs Slug



Right In: 696.039+/-0.116 χ^2/NDF: 4232584.8/31

Left Out: 358.677+/-0.059 χ^2/NDF:1119535.1/24

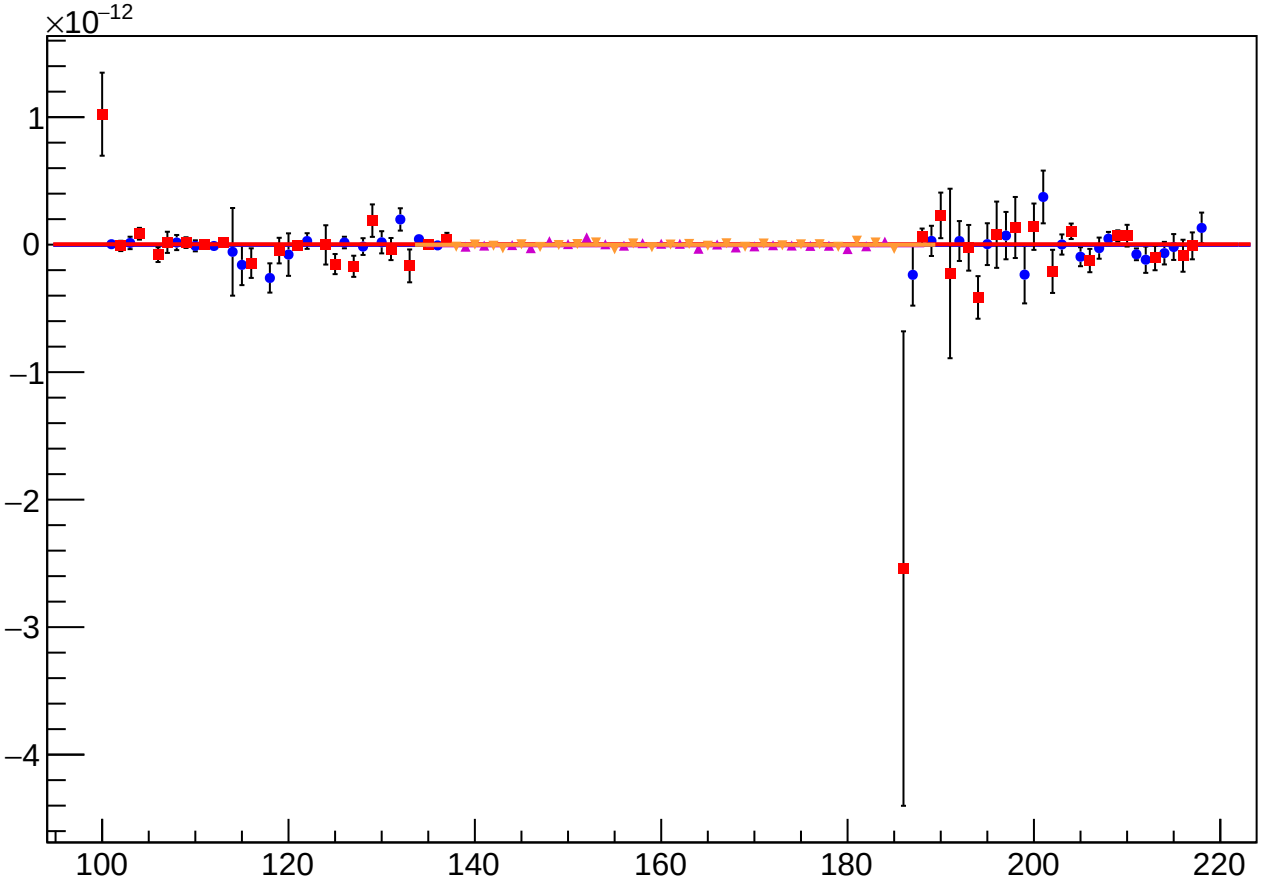
Right Out: 705.083+/-0.118 χ^2/NDF: 5150520.4/35

Left In: 357.182+/-0.060 χ^2/NDF:981641.8/22

+ sign 427.107+/-0.052 χ^2/NDF: 12060731.3/56

All: 428.013+/-0.037 χ^2/NDF: 25133214.4/11

- sign 428.955+/-0.053 χ^2/NDF: 13071873.3/58



Right In: -0.000+/-0.000 χ^2/NDF: 27.4/31

Left Out: -0.000+/-0.000 χ^2/NDF:18.2/24

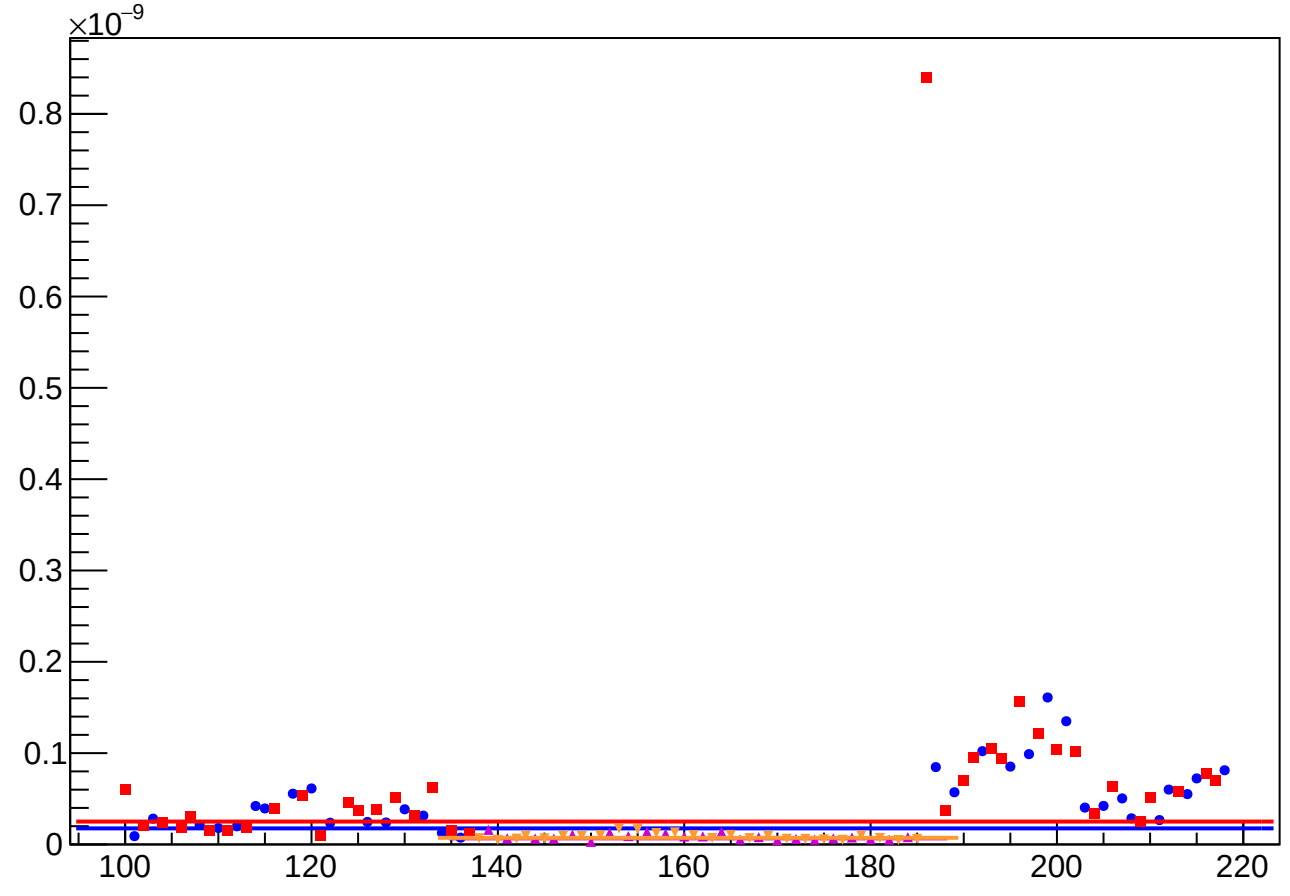
Right Out: 0.000+/-0.000 χ^2/NDF: 52.7/35

Left In: -0.000+/-0.000 χ^2/NDF:28.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 45.6/56

All: -0.000+/-0.000 χ^2/NDF: 128.6/115

- sign -0.000+/-0.000 χ^2/NDF: 81.9/58



Right In: 0.000+/-0.000 χ^2/NDF: 8137962.2/31

Left Out: 0.000+/-0.000 χ^2/NDF:1438289.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6333863.9/35

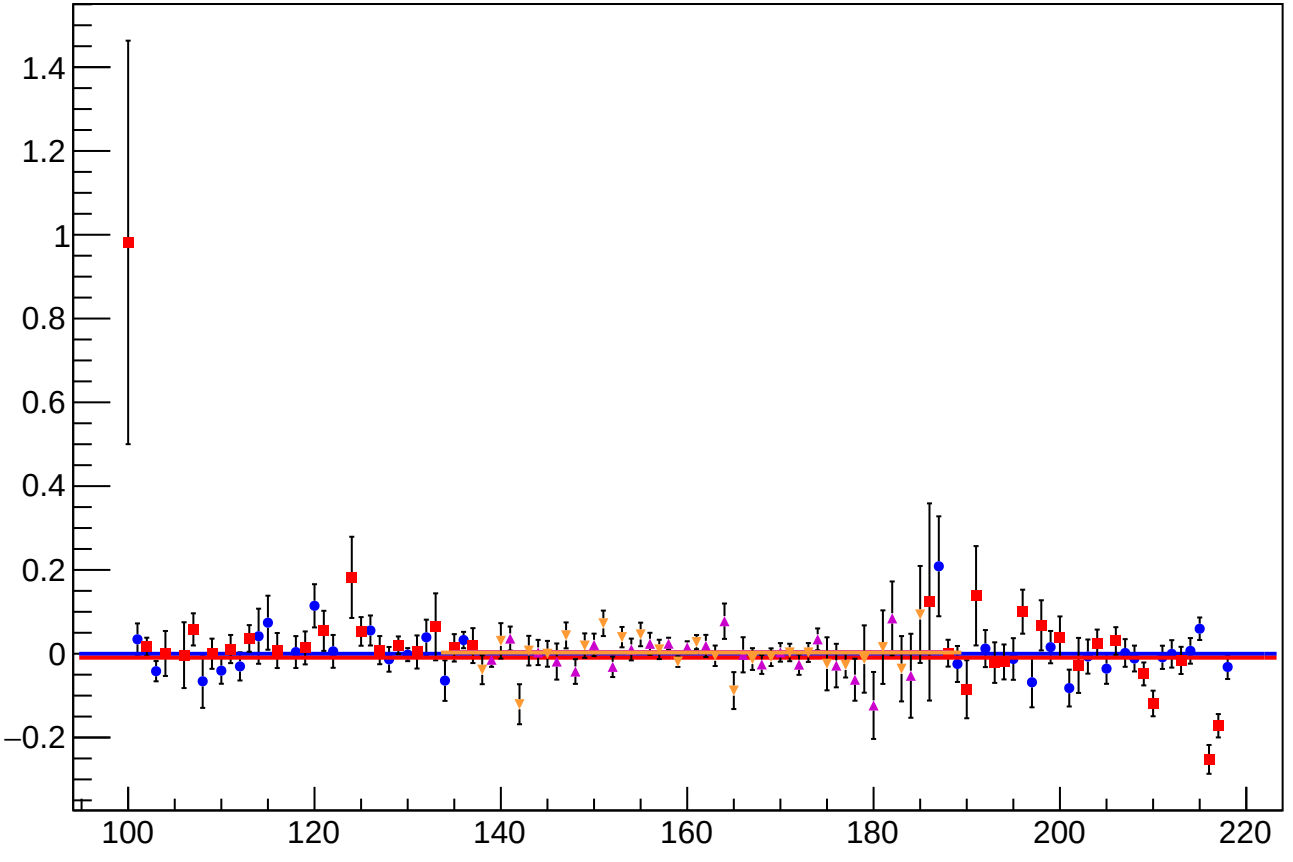
Left In: 0.000+/-0.000 χ^2/NDF:1746143.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 12282207.2/56

All: 0.000+/-0.000 χ^2/NDF: 25808036.1/115

- sign 0.000+/-0.000 χ^2/NDF: 13493748.2/58

asym_sam_1357_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.006 χ^2/NDF: 38.0/31

Left Out: 0.003+/-0.005 χ^2/NDF:32.8/24

Right Out: -0.009+/-0.006 χ^2/NDF: 136.6/35

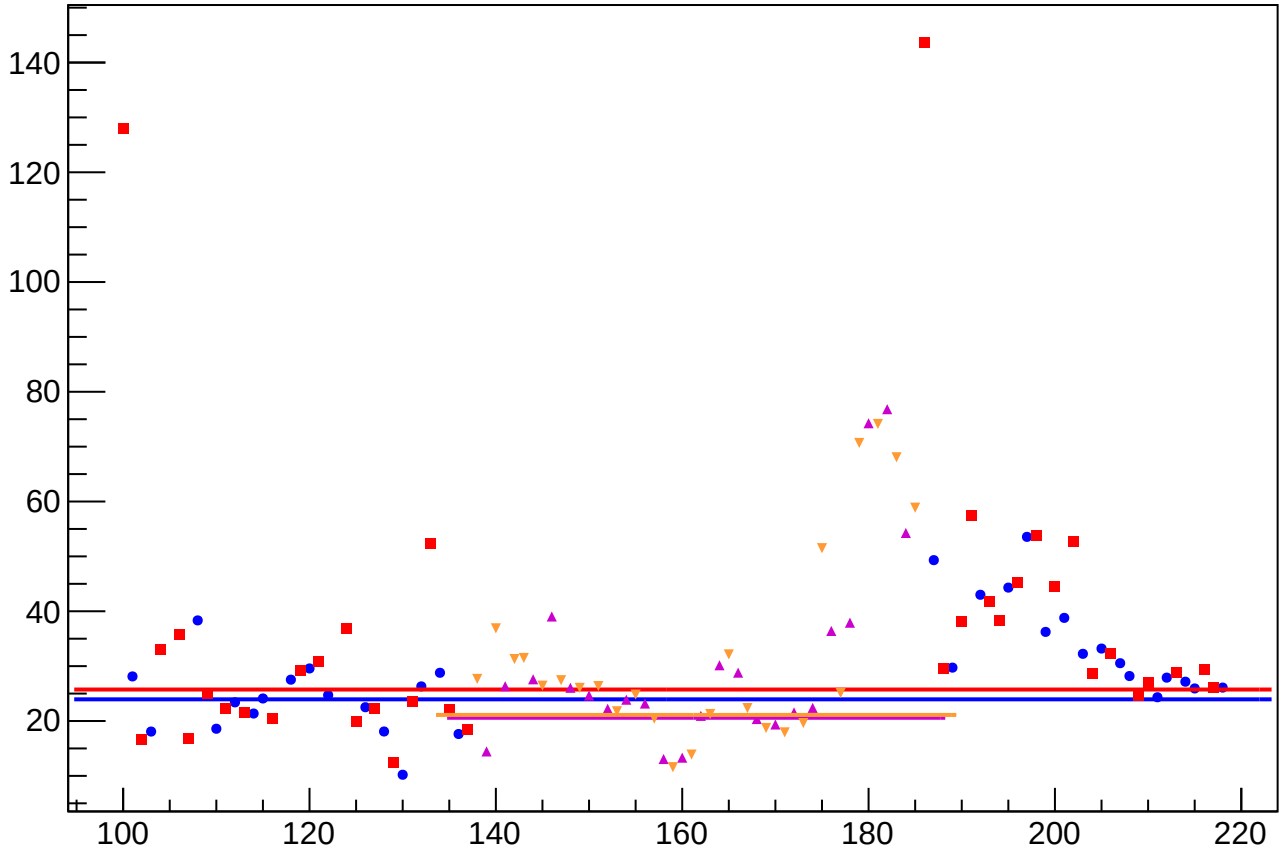
Left In: 0.004+/-0.005 χ^2/NDF:24.6/22

+ sign 0.001+/-0.004 χ^2/NDF: 70.9/56

All: -0.000+/-0.003 χ^2/NDF: 235.0/115

- sign -0.002+/-0.004 χ^2/NDF: 163.7/58

asym_sam_1357_avg_dit_vs_cor_diff_rms vs Slug



Right In: 23.949+/-0.004 χ^2/NDF: 4385565.0/31

Left Out: 21.109+/-0.004 χ^2/NDF:5546528.5/24

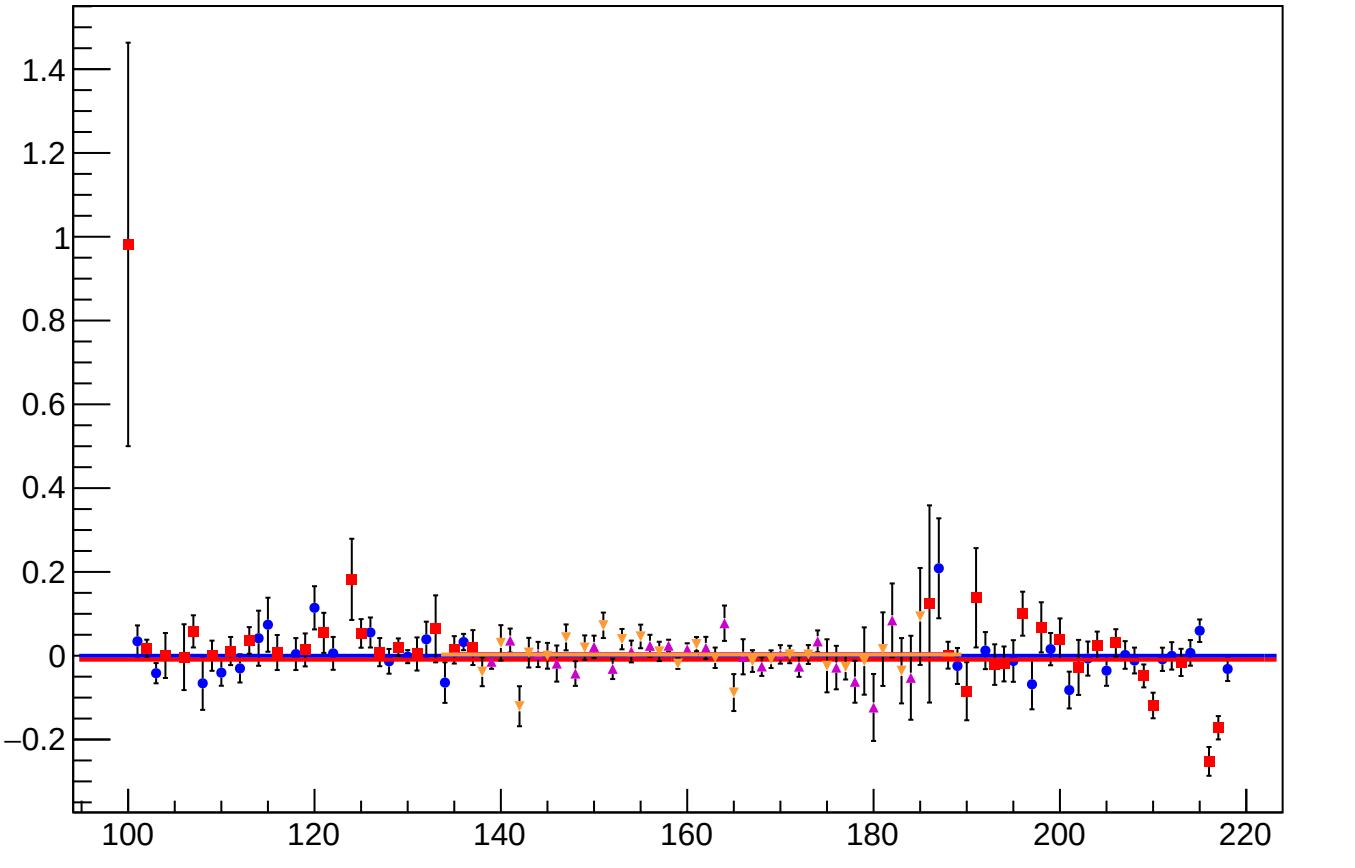
Right Out: 25.739+/-0.004 χ^2/NDF: 4592323.2/35

Left In: 20.591+/-0.004 χ^2/NDF:4599493.5/22

\+ sign 22.416+/-0.003 χ^2/NDF: 10181843.2/56

All: 22.588+/-0.002 χ^2/NDF: 20140723.3/115

\- sign 22.770+/-0.003 χ^2/NDF: 9951267.4/58



Right In: -0.000+/-0.006 χ^2/NDF: 38.0/31

Left Out: 0.003+/-0.005 χ^2/NDF:32.8/24

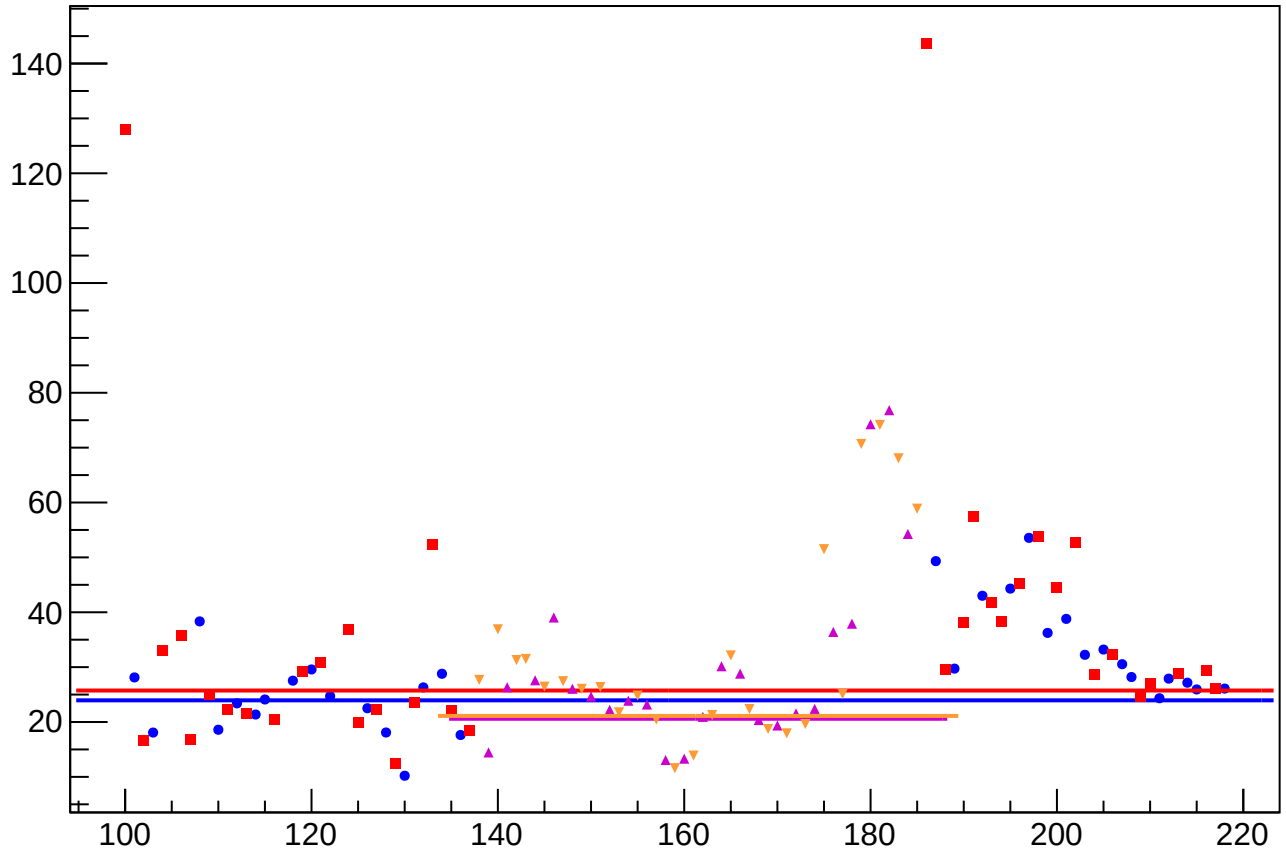
Right Out: -0.009+/-0.006 χ^2/NDF: 136.6/35

Left In: 0.004+/-0.005 χ^2/NDF:24.6/22

+ sign 0.001+/-0.004 χ^2/NDF: 70.9/56

All: -0.000+/-0.003 χ^2/NDF: 235.0/115

- sign -0.002+/-0.004 χ^2/NDF: 163.7/58



Right In: 23.949+/-0.004 χ^2/NDF: 4385565.0/31

Left Out: 21.109+/-0.004 χ^2/NDF:5546528.5/24

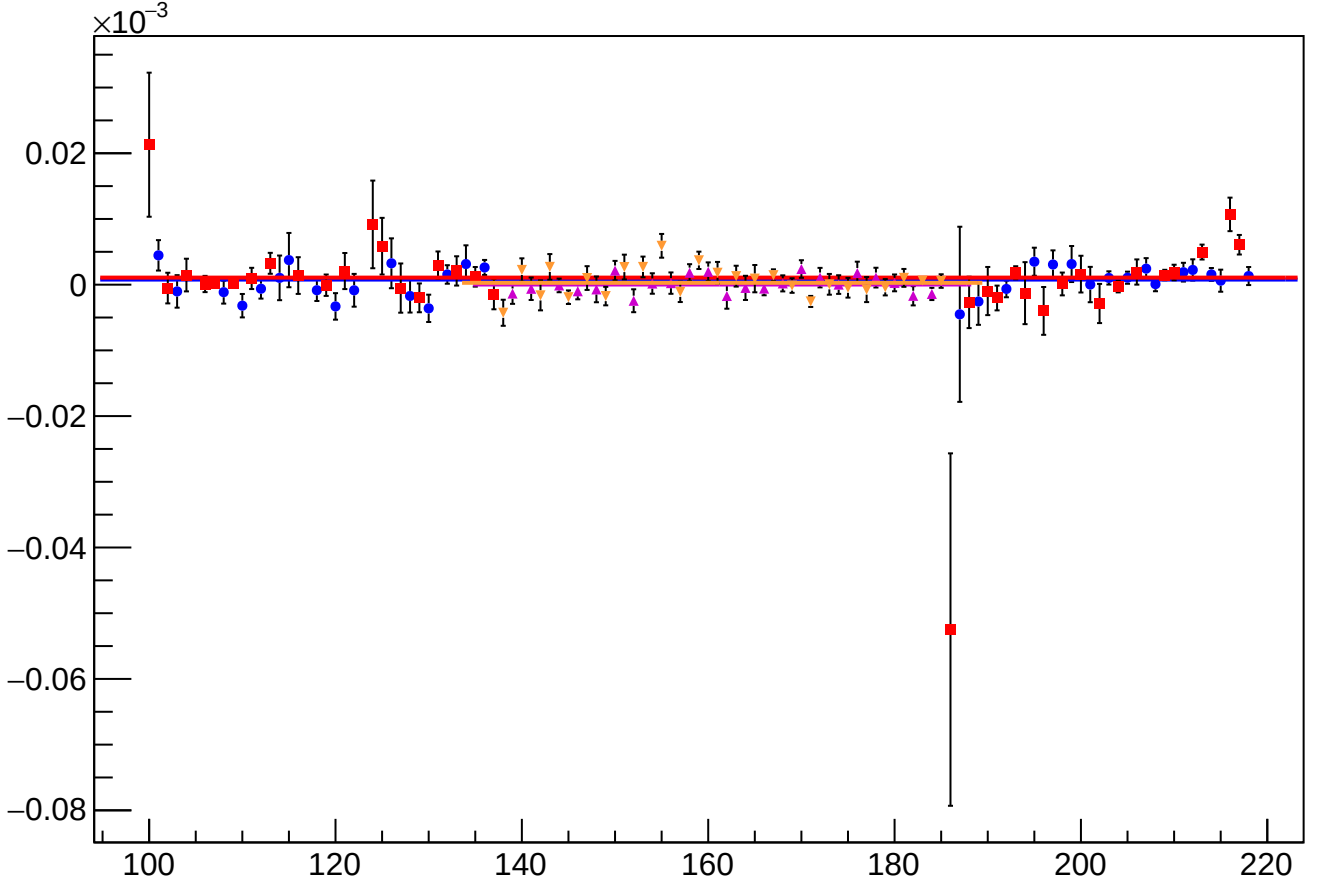
Right Out: 25.739+/-0.004 χ^2/NDF: 4592323.2/35

Left In: 20.591+/-0.004 χ^2/NDF:4599493.5/22

+ sign 22.416+/-0.003 χ^2/NDF: 10181843.2/56

All: 22.588+/-0.002 χ^2/NDF: 20140723.3/115

- sign 22.770+/-0.003 χ^2/NDF: 9951267.4/58



Right In: 0.000+/-0.000 χ^2/NDF: 35.3/31

Left Out: 0.000+/-0.000 χ^2/NDF:52.6/24

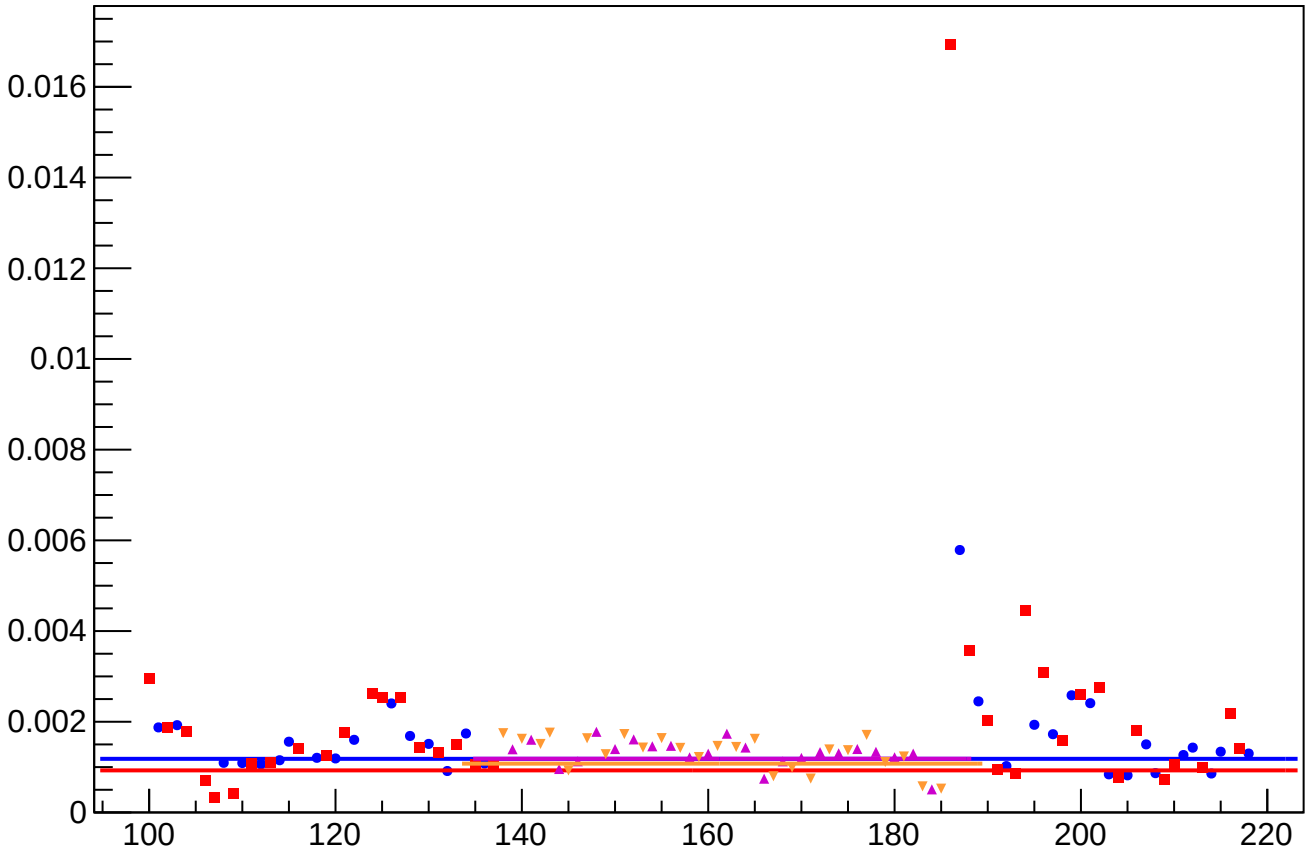
Right Out: 0.000+/-0.000 χ^2/NDF: 71.4/35

Left In: 0.000+/-0.000 χ^2/NDF:19.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 89.5/56

All: 0.000+/-0.000 χ^2/NDF: 188.5/115

- sign 0.000+/-0.000 χ^2/NDF: 98.8/58



Right In: 0.001+/-0.000 χ^2/NDF: 3896143.0/31

Left Out: 0.001+/-0.000 χ^2/NDF:4545392.2/24

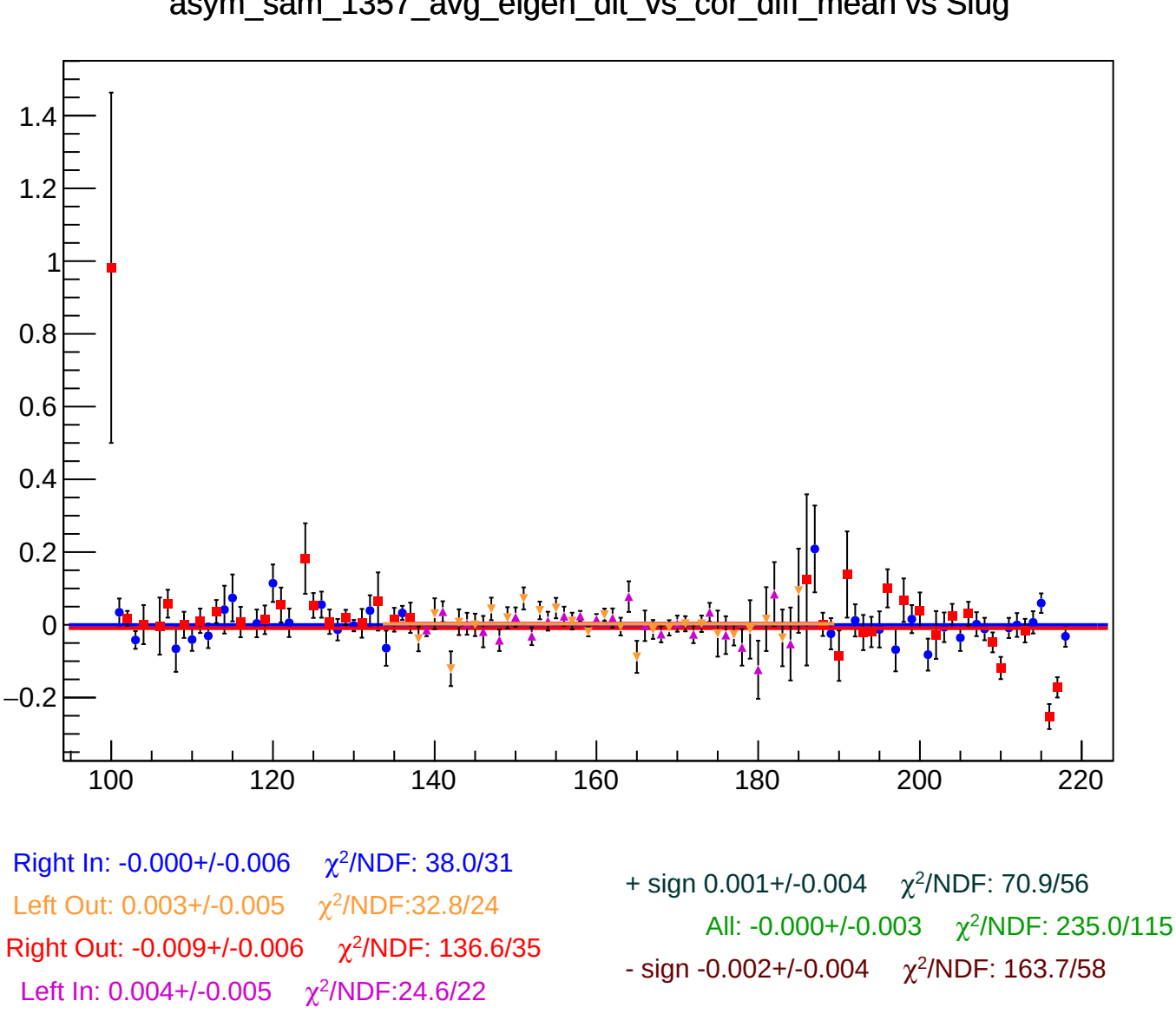
Right Out: 0.001+/-0.000 χ^2/NDF: 11907996.2/35

Left In: 0.001+/-0.000 χ^2/NDF:2456537.2/22

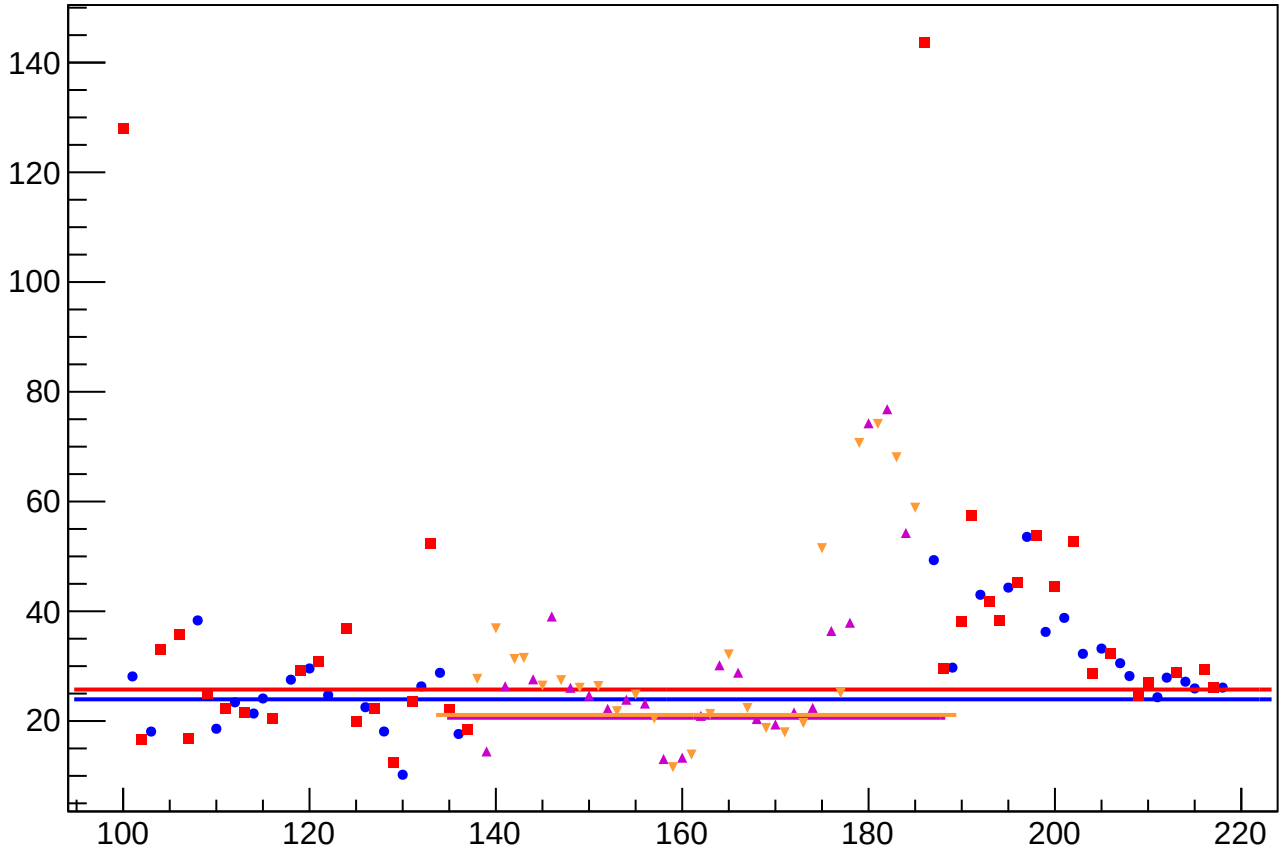
+ sign 0.001+/-0.000 χ^2/NDF: 8588206.6/56

All: 0.001+/-0.000 χ^2/NDF: 24063916.8/115

- sign 0.001+/-0.000 χ^2/NDF: 15271078.6/58


asym_sam_1357_avg_eigen_dit_vs_cor_diff_mean vs Slug
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
100
120
140
160
180
200
220
Right In: -0.000+/-0.006 χ²/NDF: 38.0/31
Left Out: 0.003+/-0.005 χ²/NDF:32.8/24
Right Out: -0.009+/-0.006 χ²/NDF: 136.6/35
Left In: 0.004+/-0.005 χ²/NDF:24.6/22
+ sign 0.001+/-0.004 χ²/NDF: 70.9/56
All: -0.000+/-0.003 χ²/NDF: 235.0/115
- sign -0.002+/-0.004 χ²/NDF: 163.7/58

asym_sam_1357_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 23.950+/-0.004 χ^2/NDF: 4385272.9/31

Left Out: 21.109+/-0.004 χ^2/NDF:5546663.4/24

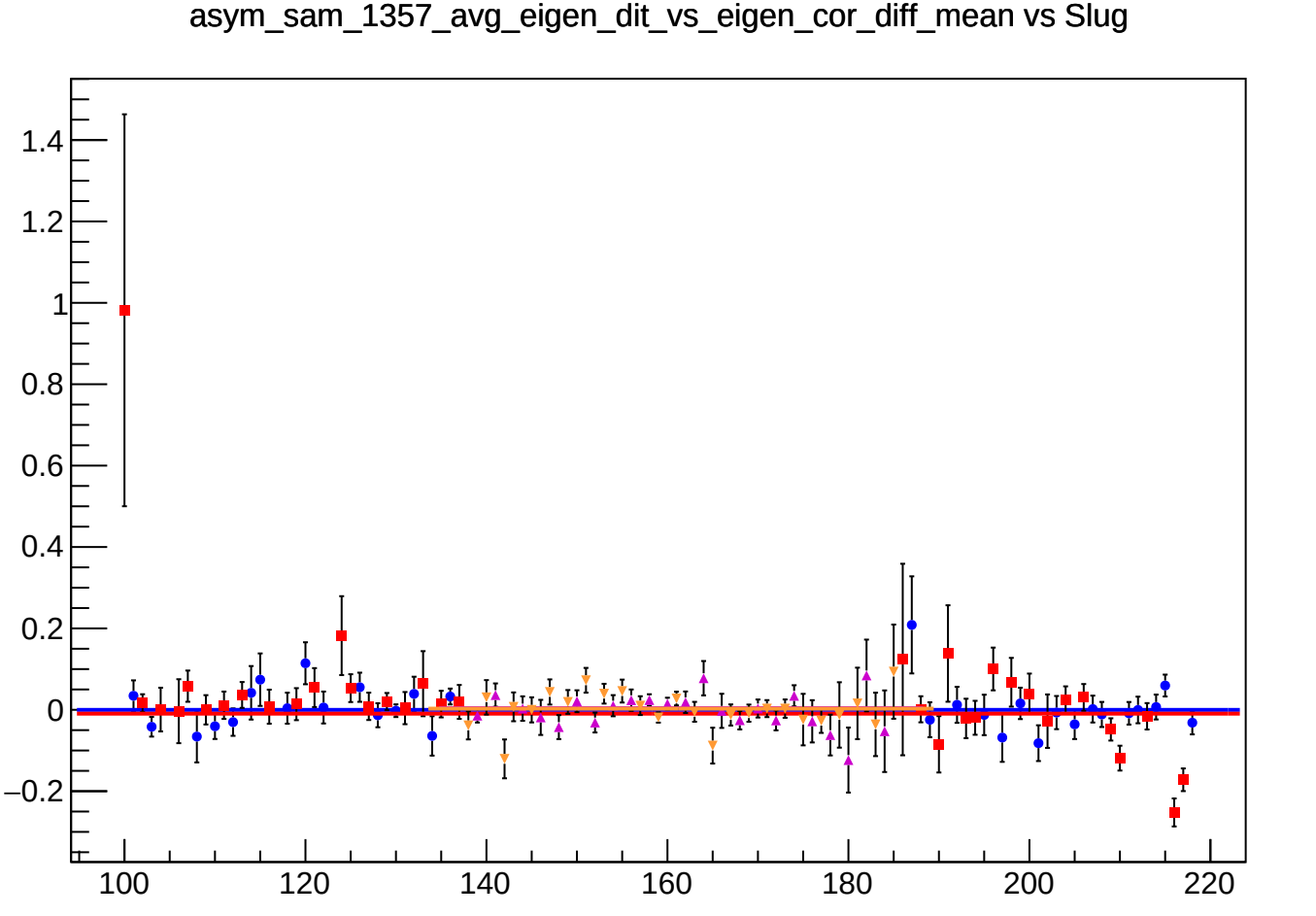
Right Out: 25.739+/-0.004 χ^2/NDF: 4592282.6/35

Left In: 20.592+/-0.004 χ^2/NDF:4599496.2/22

+ sign 22.416+/-0.003 χ^2/NDF: 10181734.0/56

All: 22.588+/-0.002 χ^2/NDF: 20140526.0/115

- sign 22.771+/-0.003 χ^2/NDF: 9951179.3/58



Right In: -0.000+/-0.006 χ^2/NDF: 38.0/31

Left Out: 0.003+/-0.005 χ^2/NDF:32.8/24

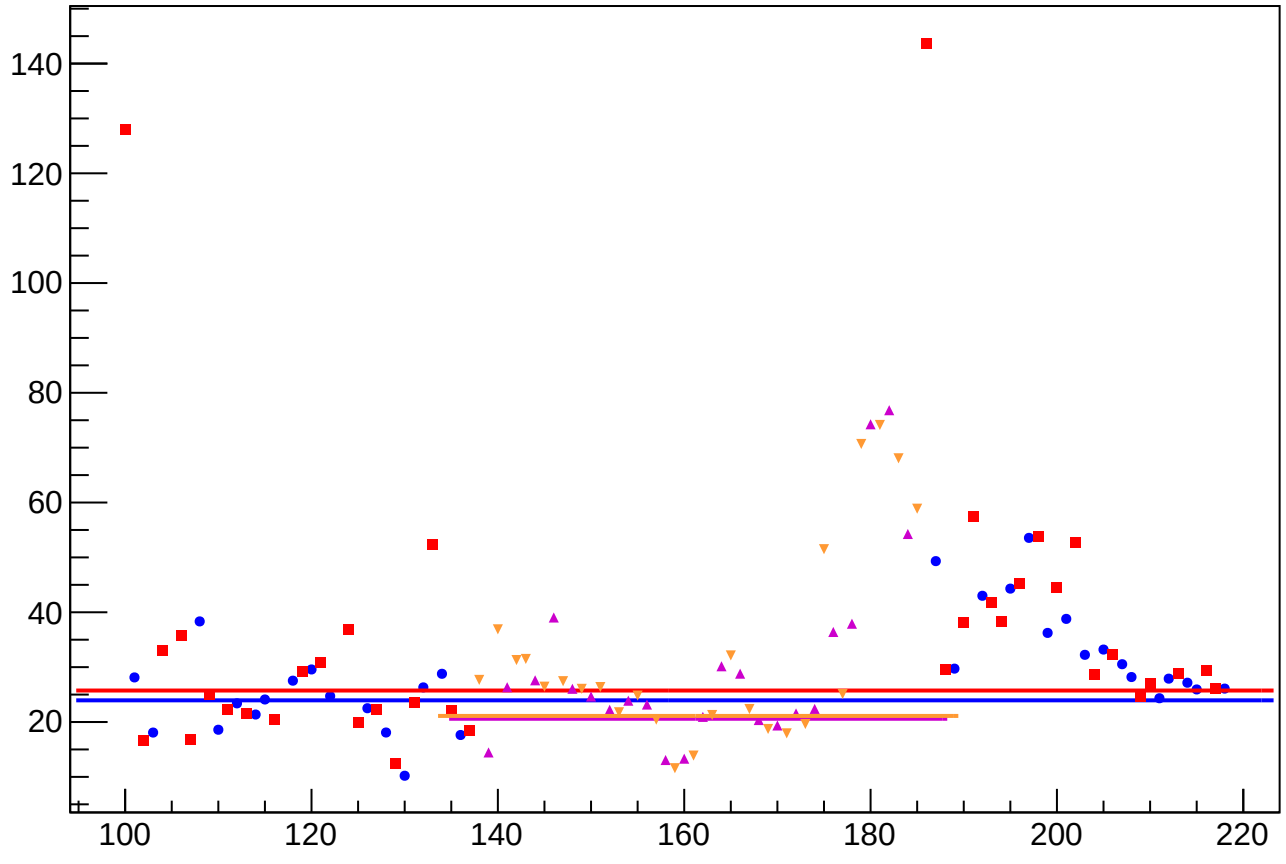
Right Out: -0.009+/-0.006 χ^2/NDF: 136.6/35

Left In: 0.004+/-0.005 χ^2/NDF:24.6/22

+ sign 0.001+/-0.004 χ^2/NDF: 70.9/56

All: -0.000+/-0.003 χ^2/NDF: 235.0/115

- sign -0.002+/-0.004 χ^2/NDF: 163.7/58



Right In: 23.950+/-0.004 χ^2/NDF: 4385272.9/31

Left Out: 21.109+/-0.004 χ^2/NDF:5546663.4/24

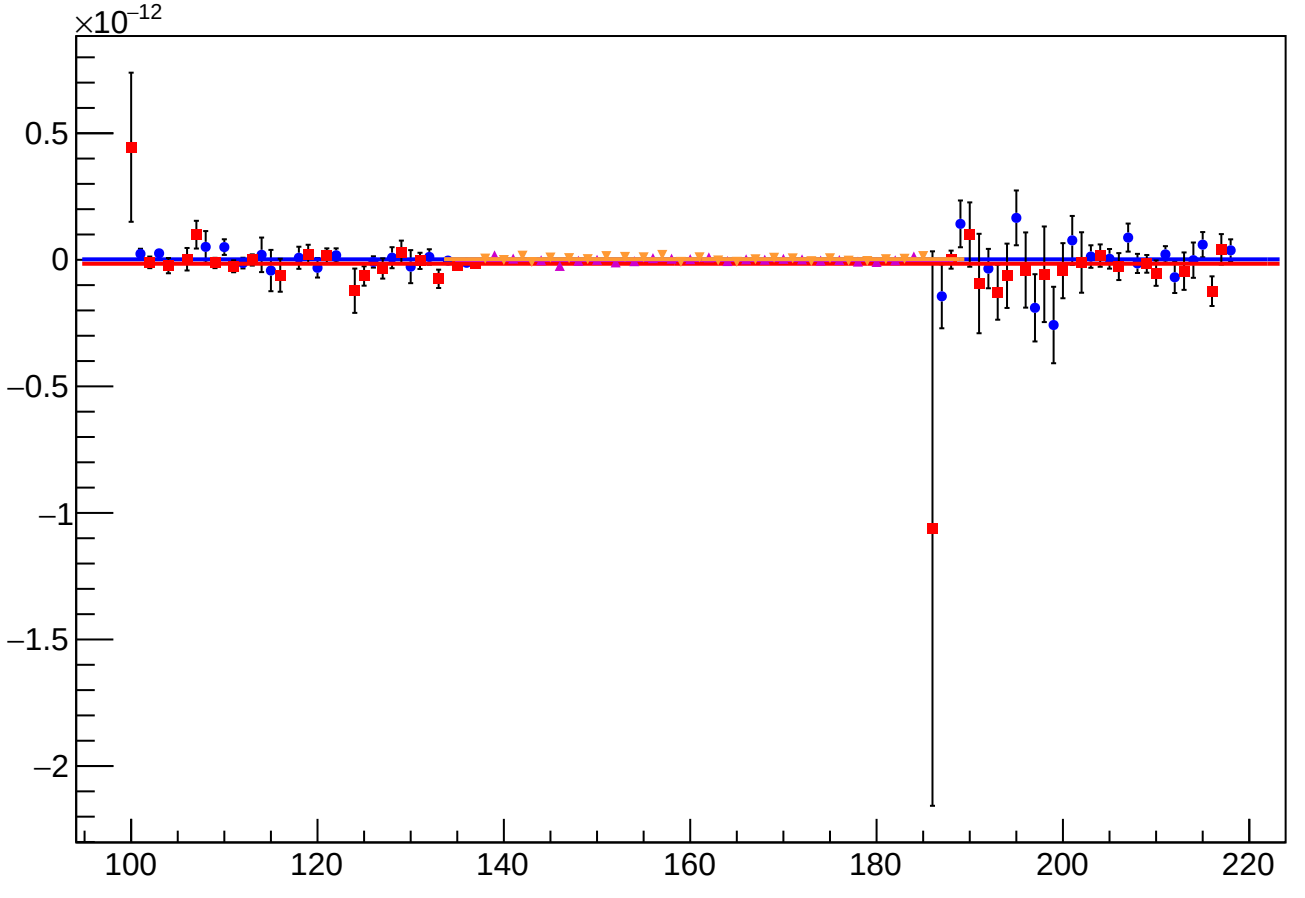
Right Out: 25.739+/-0.004 χ^2/NDF: 4592282.6/35

Left In: 20.592+/-0.004 χ^2/NDF:4599496.2/22

+ sign 22.416+/-0.003 χ^2/NDF: 10181734.0/56

All: 22.588+/-0.002 χ^2/NDF: 20140526.0/115

- sign 22.771+/-0.003 χ^2/NDF: 9951179.3/58



Right In: 0.000+/-0.000 χ^2/NDF: 28.8/31

Left Out: 0.000+/-0.000 χ^2/NDF:20.6/24

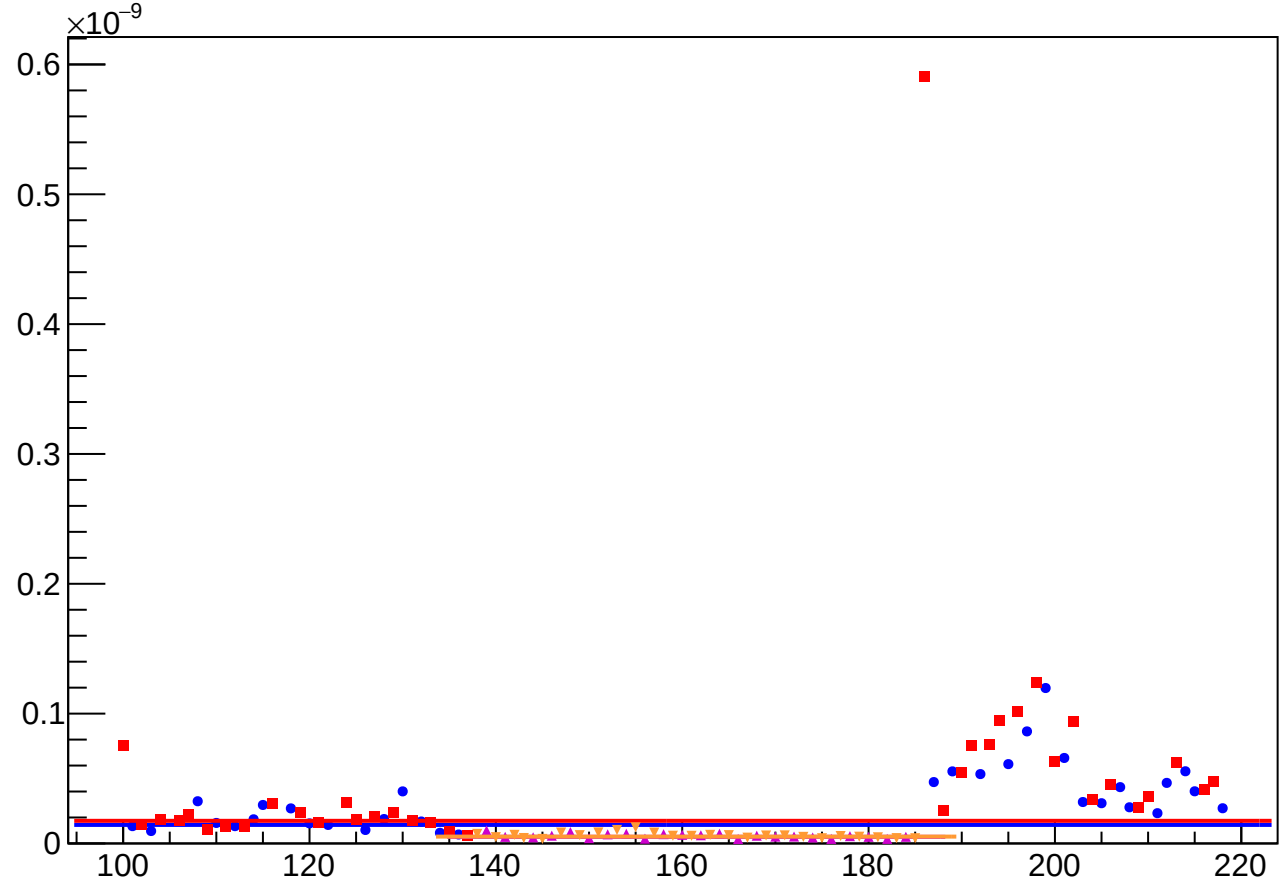
Right Out: -0.000+/-0.000 χ^2/NDF: 26.7/35

Left In: -0.000+/-0.000 χ^2/NDF:21.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 49.4/56

All: 0.000+/-0.000 χ^2/NDF: 107.2/115

- sign -0.000+/-0.000 χ^2/NDF: 53.8/58



Right In: 0.000+/-0.000 χ^2/NDF: 9798037.8/31

Left Out: 0.000+/-0.000 χ^2/NDF:2053779.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9758006.3/35

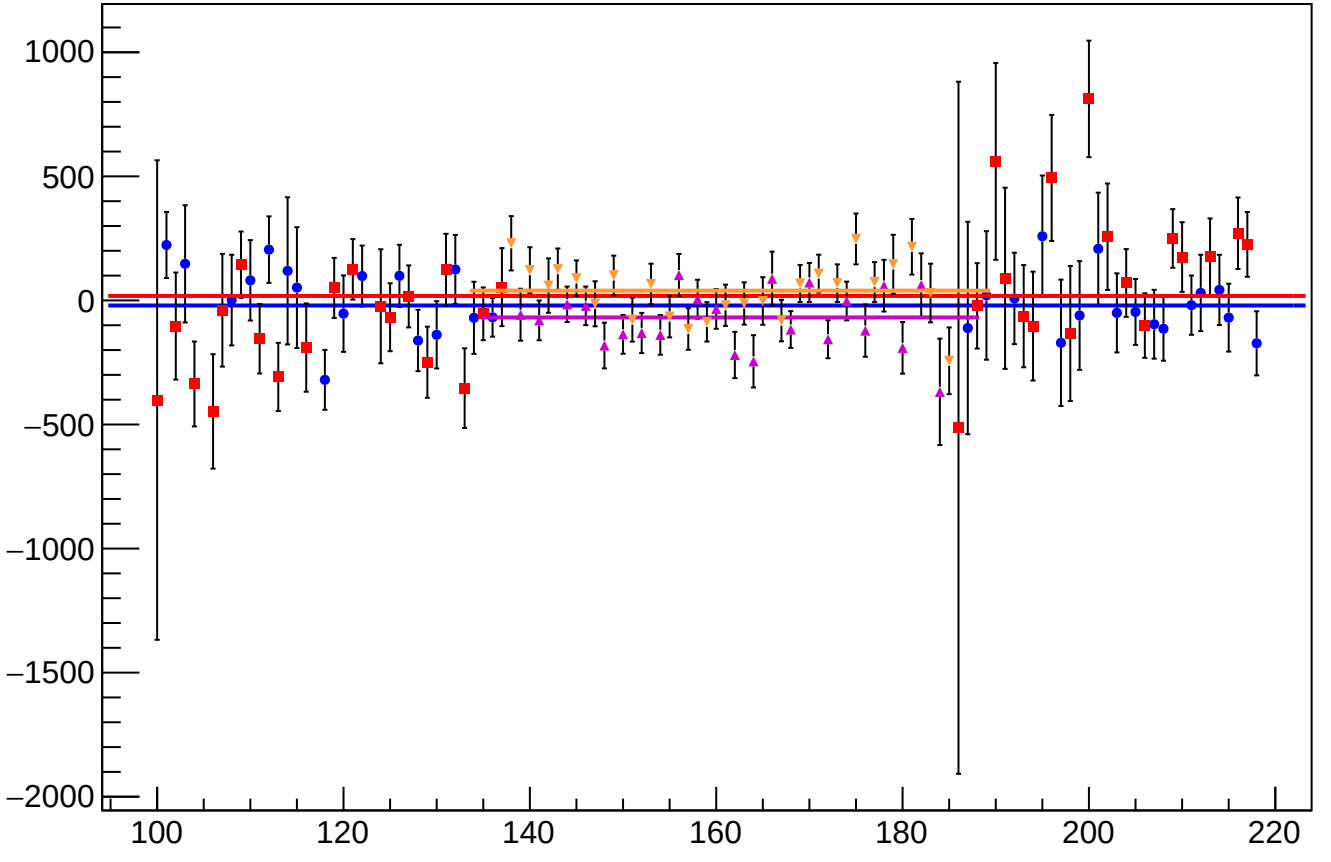
Left In: 0.000+/-0.000 χ^2/NDF:1700889.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 17387428.8/56

All: 0.000+/-0.000 χ^2/NDF: 36729716.4/115

- sign 0.000+/-0.000 χ^2/NDF: 19331836.8/58

reg_asym_sam_2468_avg_mean vs Slug



Right In: -20.369+/-26.196 χ^2/NDF: 24.6/31

Left Out: 39.477+/-17.666 χ^2/NDF:31.9/24

Right Out: 18.108+/-27.044 χ^2/NDF: 61.3/35

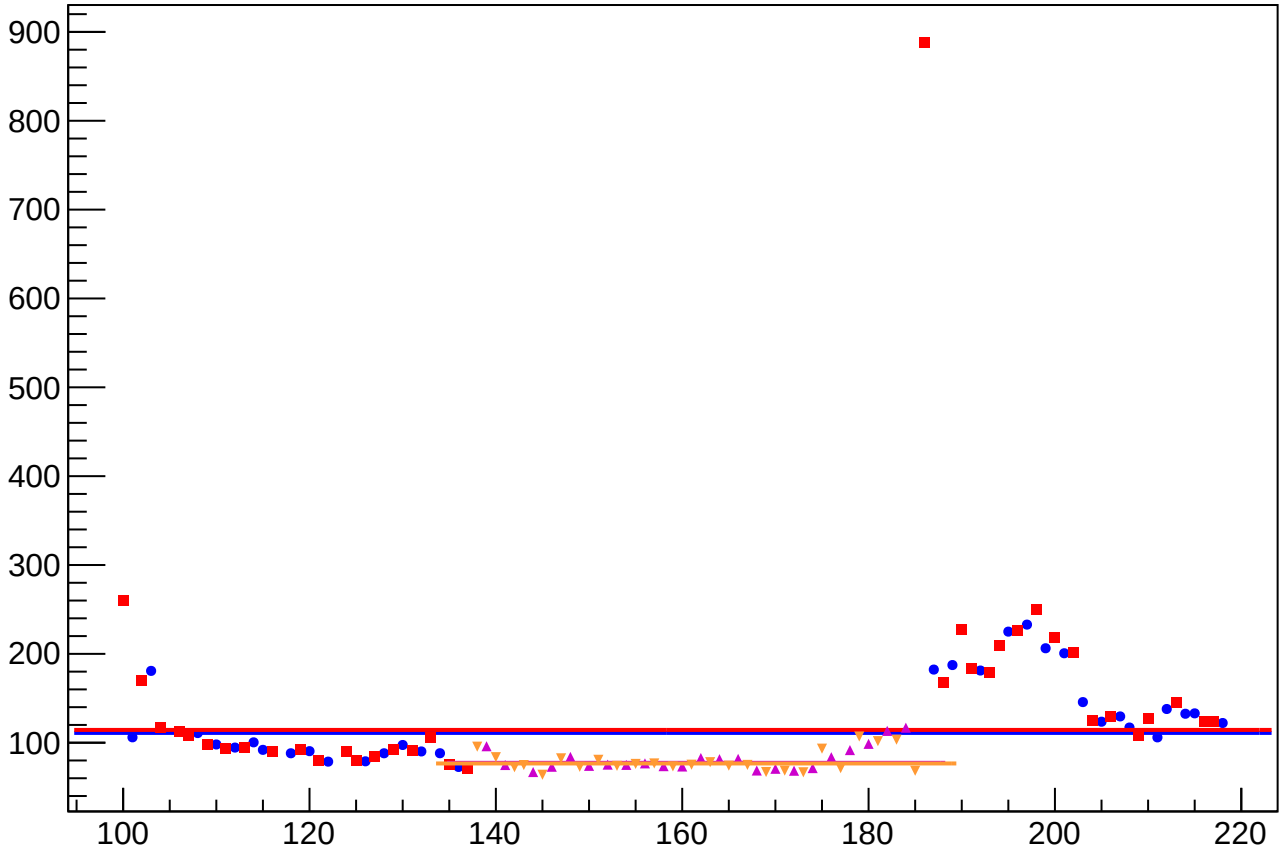
Left In: -68.620+/-18.317 χ^2/NDF:29.0/22

+ sign 20.769+/-14.647 χ^2/NDF: 60.2/56

All: -9.207+/-10.536 χ^2/NDF: 166.2/115

- sign -41.346+/-15.166 χ^2/NDF: 97.4/58

reg_asym_sam_2468_avg_rms vs Slug



Right In: 111.036+/-0.019 χ^2/NDF: 3714925.2/31

Left Out: 76.646+/-0.012 χ^2/NDF:654608.6/24

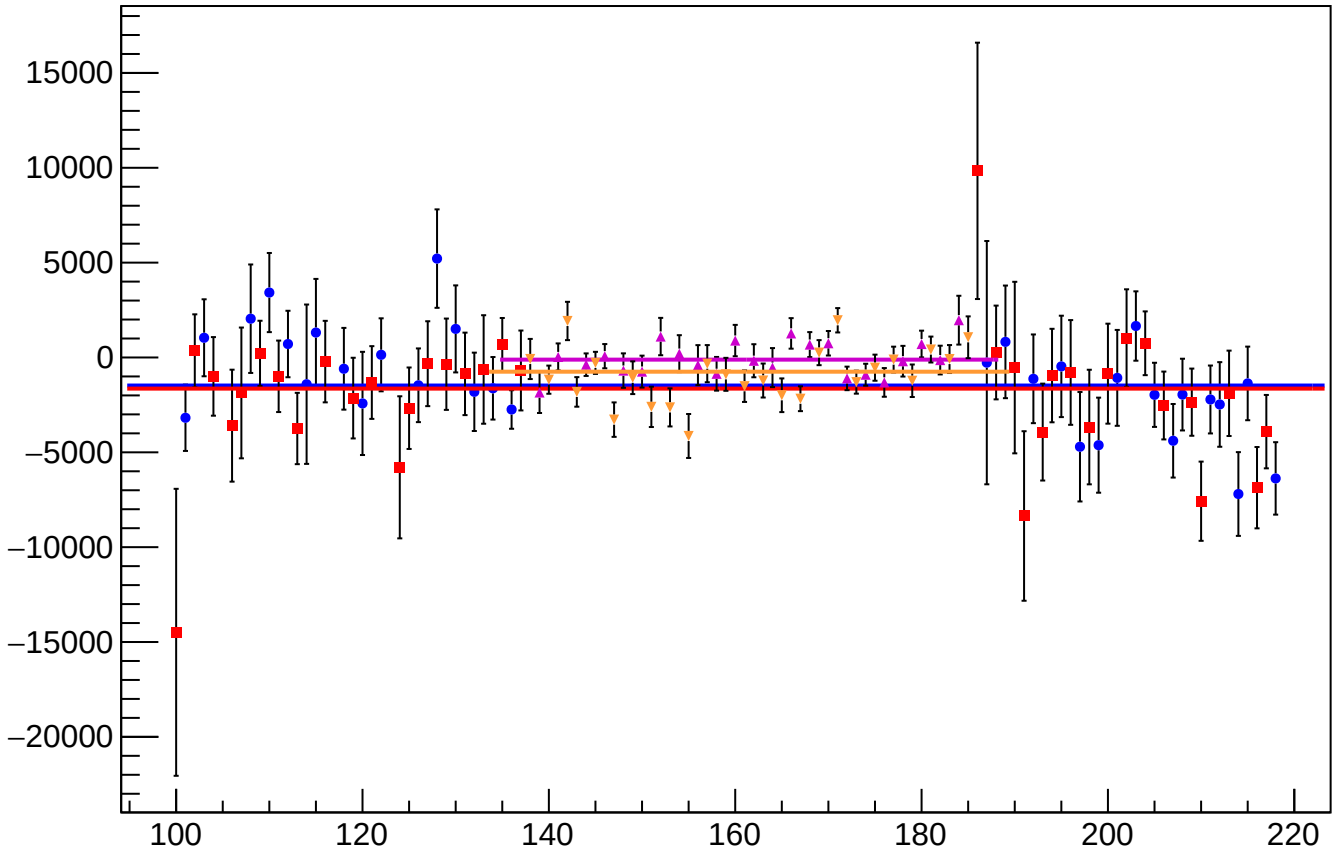
Right Out: 114.389+/-0.019 χ^2/NDF: 4743503.5/35

Left In: 77.348+/-0.013 χ^2/NDF:590414.8/22

+ sign 87.397+/-0.010 χ^2/NDF: 6738778.2/56

All: 88.169+/-0.007 χ^2/NDF: 14656258.9/115

- sign 88.997+/-0.011 χ^2/NDF: 7905963.2/58



Right In: -1478.924+/-363.333 χ^2/NDF: 45.6/31

Left Out: -749.641+/-158.081 χ^2/NDF:70.0/24

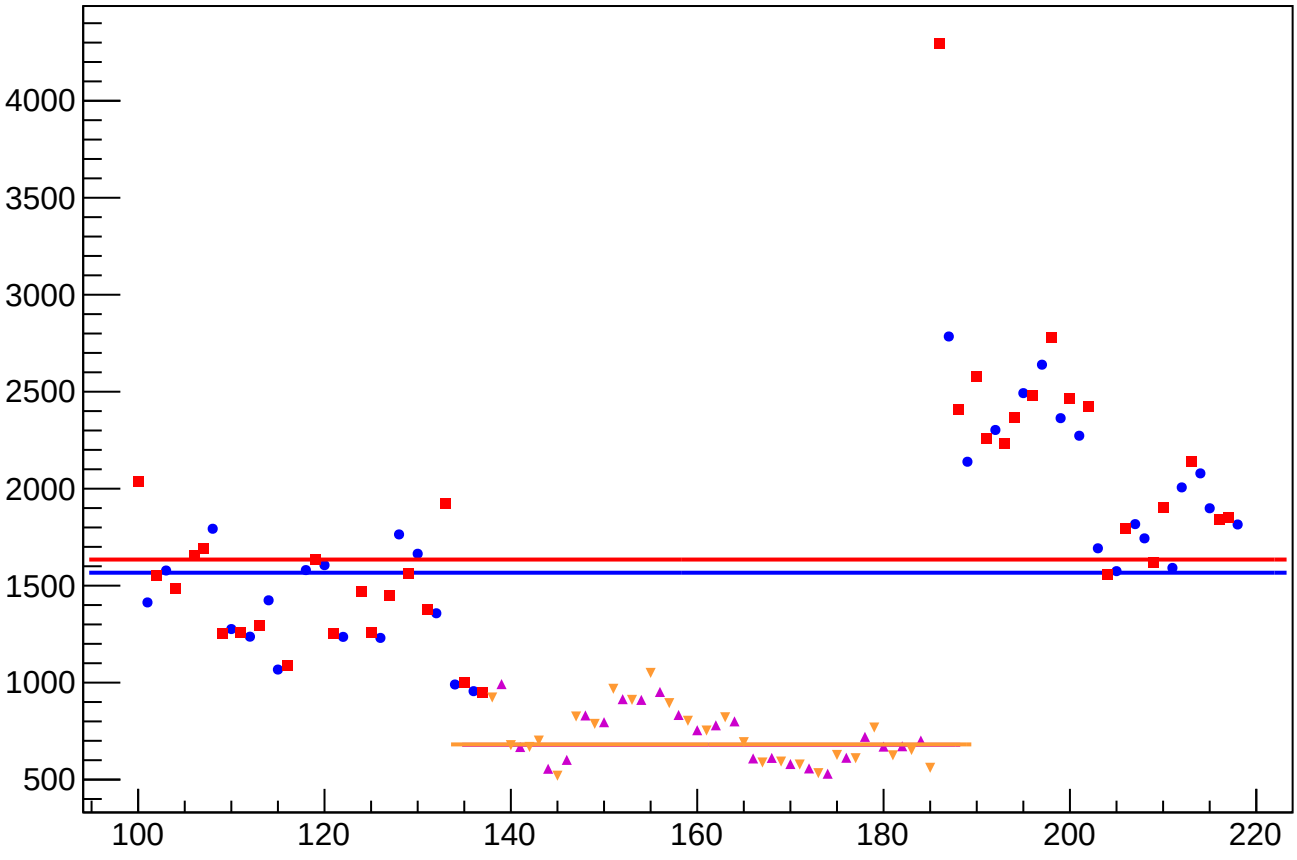
Right Out: -1641.291+/-375.428 χ^2/NDF: 39.1/35

Left In: -113.799+/-161.809 χ^2/NDF:25.1/22

+ sign -865.720+/-144.955 χ^2/NDF: 119.0/56

All: -615.762+/-103.762 χ^2/NDF: 203.2/115

- sign -353.095+/-148.595 χ^2/NDF: 78.1/58



Right In: 1566.689+/-0.257 χ^2/NDF: 2883405.0/31

Left Out: 681.427+/-0.112 χ^2/NDF:1334213.4/24

Right Out: 1634.592+/-0.265 χ^2/NDF: 3199636.2/35

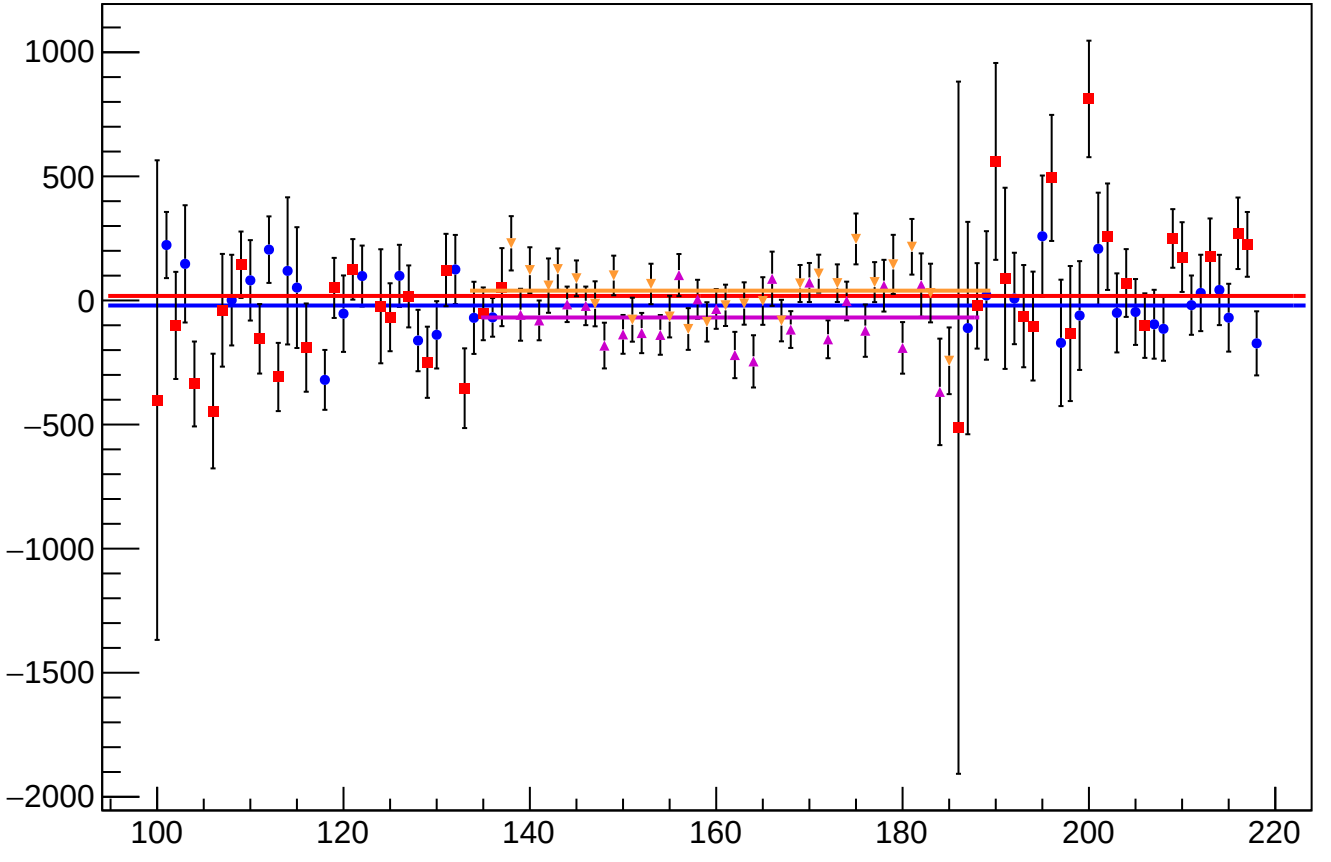
Left In: 679.413+/-0.114 χ^2/NDF:1185267.0/22

+ sign 822.333+/-0.102 χ^2/NDF: 14200881.6/56

All: 825.608+/-0.073 χ^2/NDF: 29506036.1/11

- sign 829.051+/-0.105 χ^2/NDF: 15303059.7/58

cor_asym_sam_2468_avg_mean vs Slug



Right In: -20.376+/-26.196 χ^2/NDF: 24.6/31

Left Out: 39.484+/-17.666 χ^2/NDF:31.9/24

Right Out: 18.196+/-27.045 χ^2/NDF: 61.2/35

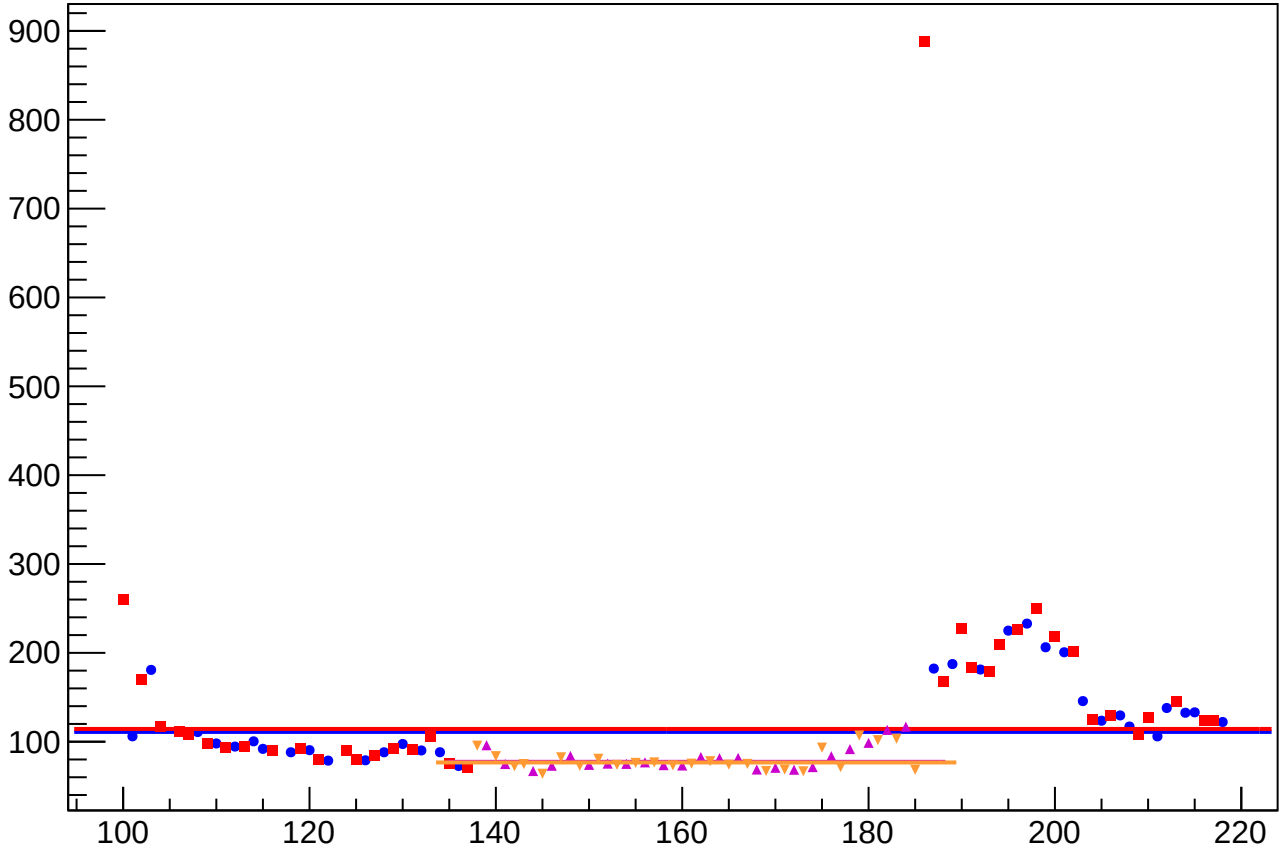
Left In: -68.620+/-18.317 χ^2/NDF:29.0/22

+ sign 20.771+/-14.647 χ^2/NDF: 60.2/56

All: -9.193+/-10.536 χ^2/NDF: 166.1/115

- sign -41.319+/-15.166 χ^2/NDF: 97.3/58

cor_asym_sam_2468_avg_rms vs Slug



Right In: 111.036+/-0.019 χ^2/NDF: 3714928.7/31

Left Out: 76.646+/-0.012 χ^2/NDF:654608.7/24

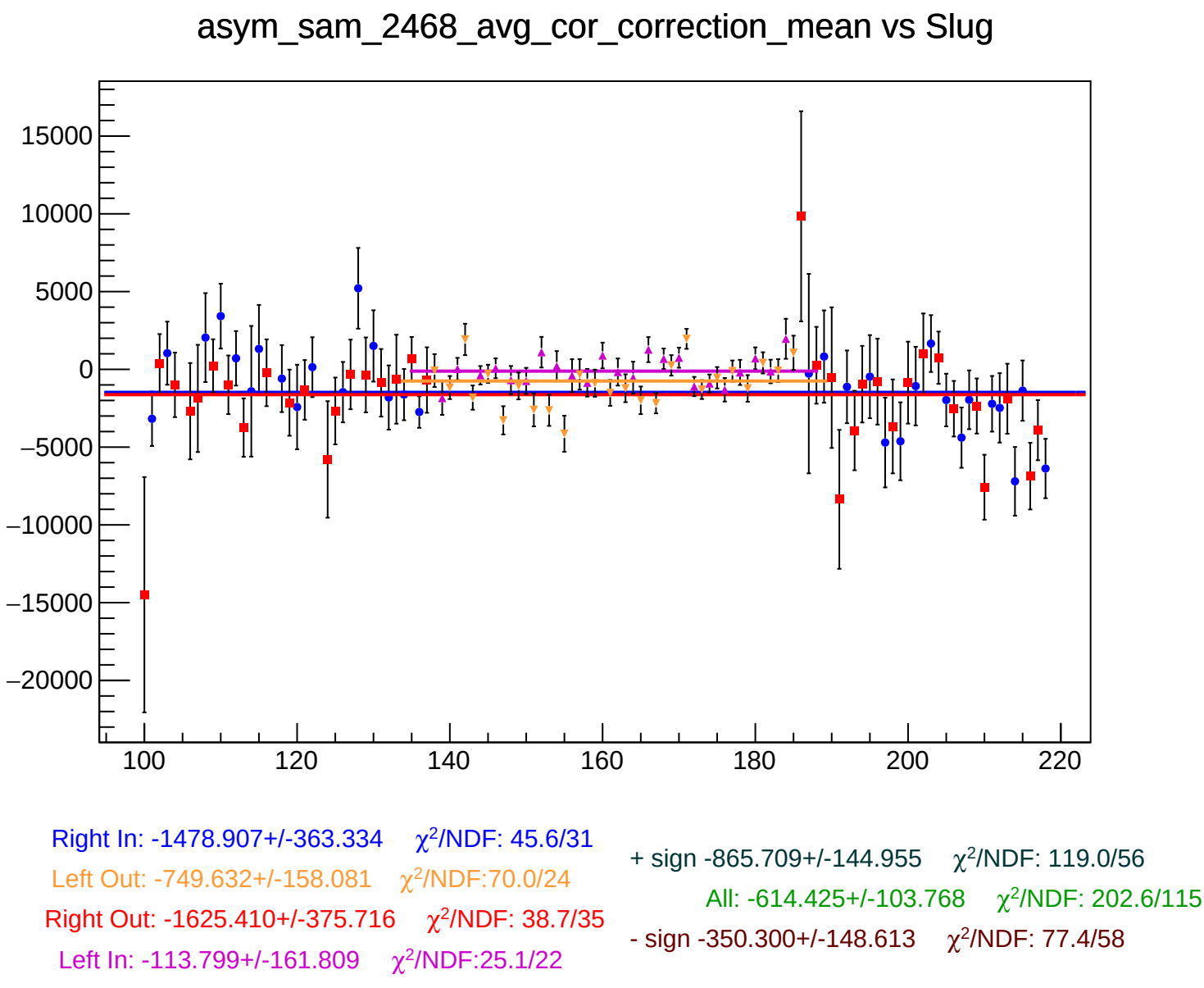
Right Out: 114.372+/-0.019 χ^2/NDF: 4743972.0/35

Left In: 77.348+/-0.013 χ^2/NDF:590414.8/22

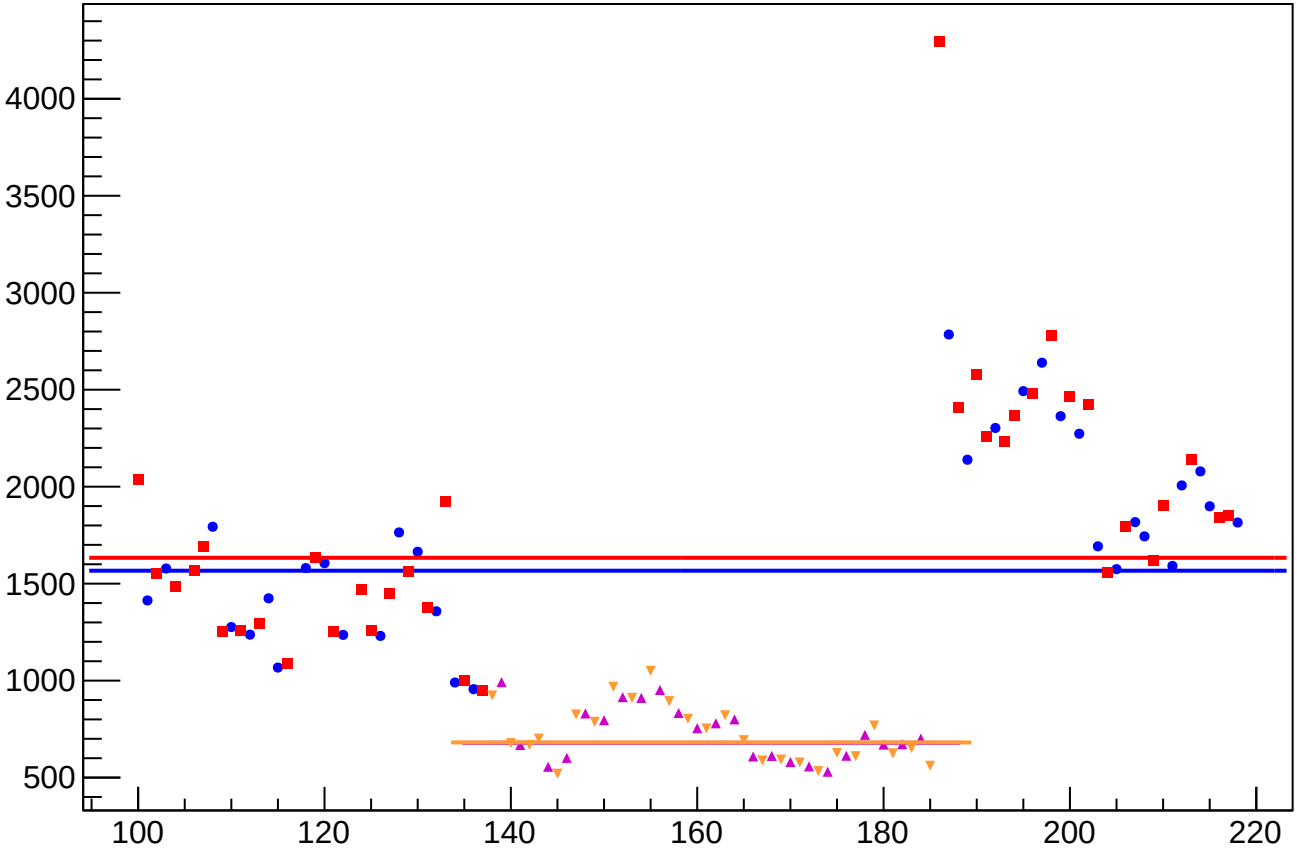
+ sign 87.397+/-0.010 χ^2/NDF: 6738781.8/56

All: 88.166+/-0.007 χ^2/NDF: 14654078.3/115

- sign 88.991+/-0.011 χ^2/NDF: 7903866.4/58


asym_sam_2468_avg_cor_correction_mean vs Slug
15000
10000
5000
0
−5000
−10000
−15000
−20000
100
120
140
160
180
200
220
Right In: -1478.907+/-363.334 χ²/NDF: 45.6/31
Left Out: -749.632+/-158.081 χ²/NDF:70.0/24
Right Out: -1625.410+/-375.716 χ²/NDF: 38.7/35
Left In: -113.799+/-161.809 χ²/NDF:25.1/22
+ sign -865.709+/-144.955 χ²/NDF: 119.0/56
All: -614.425+/-103.768 χ²/NDF: 202.6/115
- sign -350.300+/-148.613 χ²/NDF: 77.4/58

asym_sam_2468_avg_cor_correction_rms vs Slug



Right In: 1566.692+/-0.257 χ^2/NDF: 2883411.6/31

Left Out: 681.426+/-0.112 χ^2/NDF:1334214.9/24

Right Out: 1633.332+/-0.266 χ^2/NDF: 3200327.2/35

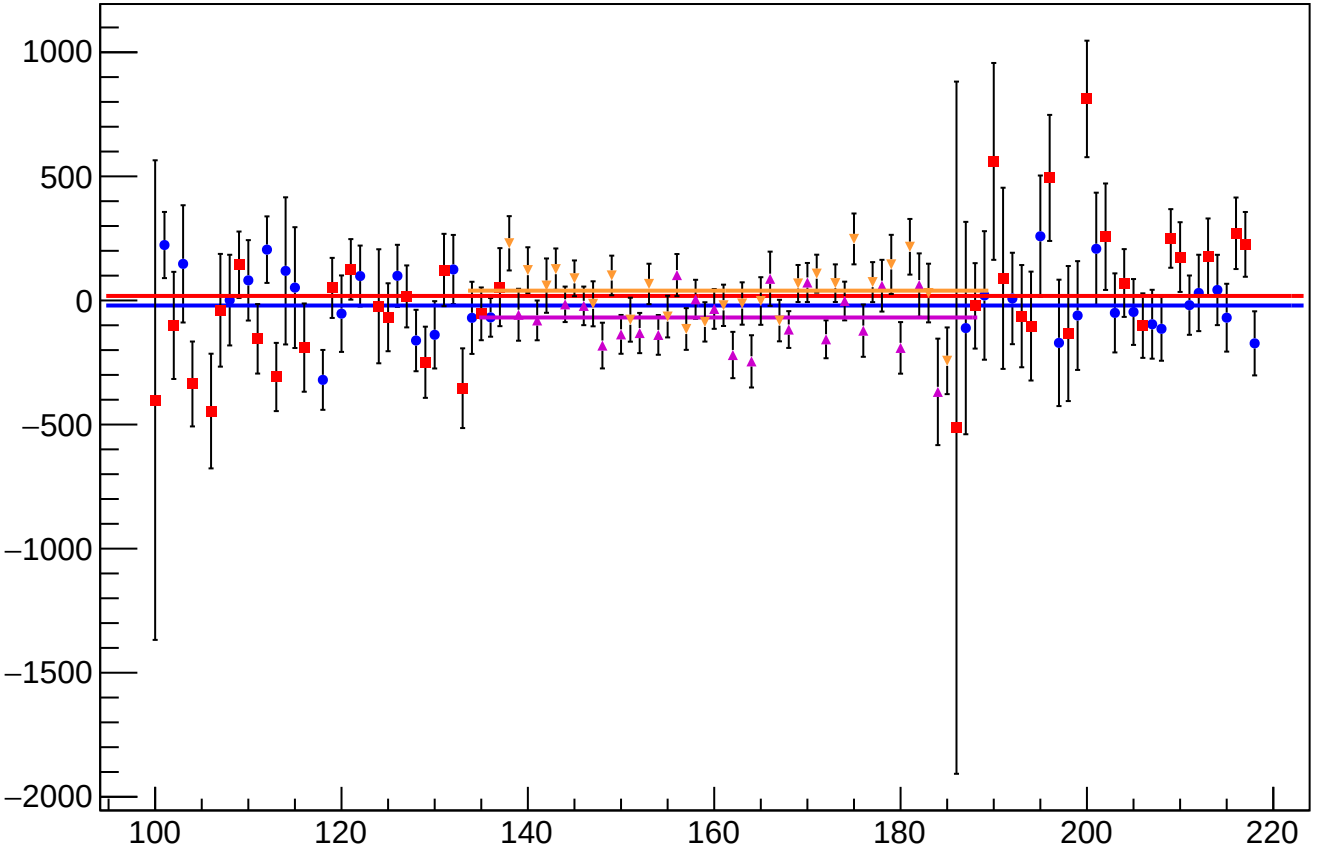
Left In: 679.414+/-0.114 χ^2/NDF:1185265.0/22

+ sign 822.332+/-0.102 χ^2/NDF: 14200929.5/56

All: 825.417+/-0.073 χ^2/NDF: 29463640.3/11

- sign 828.660+/-0.105 χ^2/NDF: 15260852.6/58

eigen_cor_asym_sam_2468_avg_mean vs Slug



Right In: -20.376+/-26.196 χ^2/NDF: 24.6/31

Left Out: 39.484+/-17.666 χ^2/NDF:31.9/24

Right Out: 18.196+/-27.045 χ^2/NDF: 61.2/35

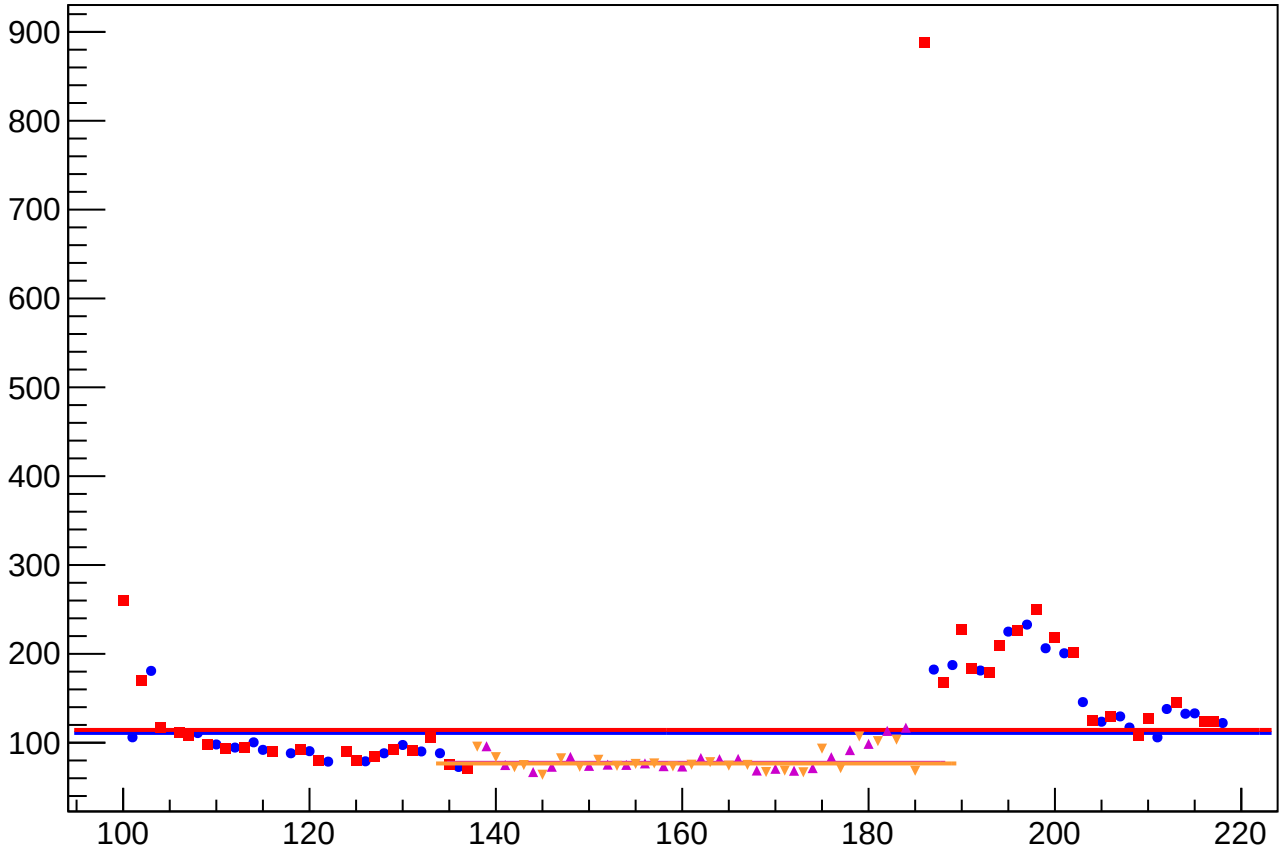
Left In: -68.620+/-18.317 χ^2/NDF:29.0/22

+ sign 20.771+/-14.647 χ^2/NDF: 60.2/56

All: -9.193+/-10.536 χ^2/NDF: 166.1/115

- sign -41.319+/-15.166 χ^2/NDF: 97.3/58

eigen_cor_asym_sam_2468_avg_rms vs Slug



Right In: 111.036+/-0.019 χ^2/NDF: 3714928.7/31

Left Out: 76.646+/-0.012 χ^2/NDF:654608.7/24

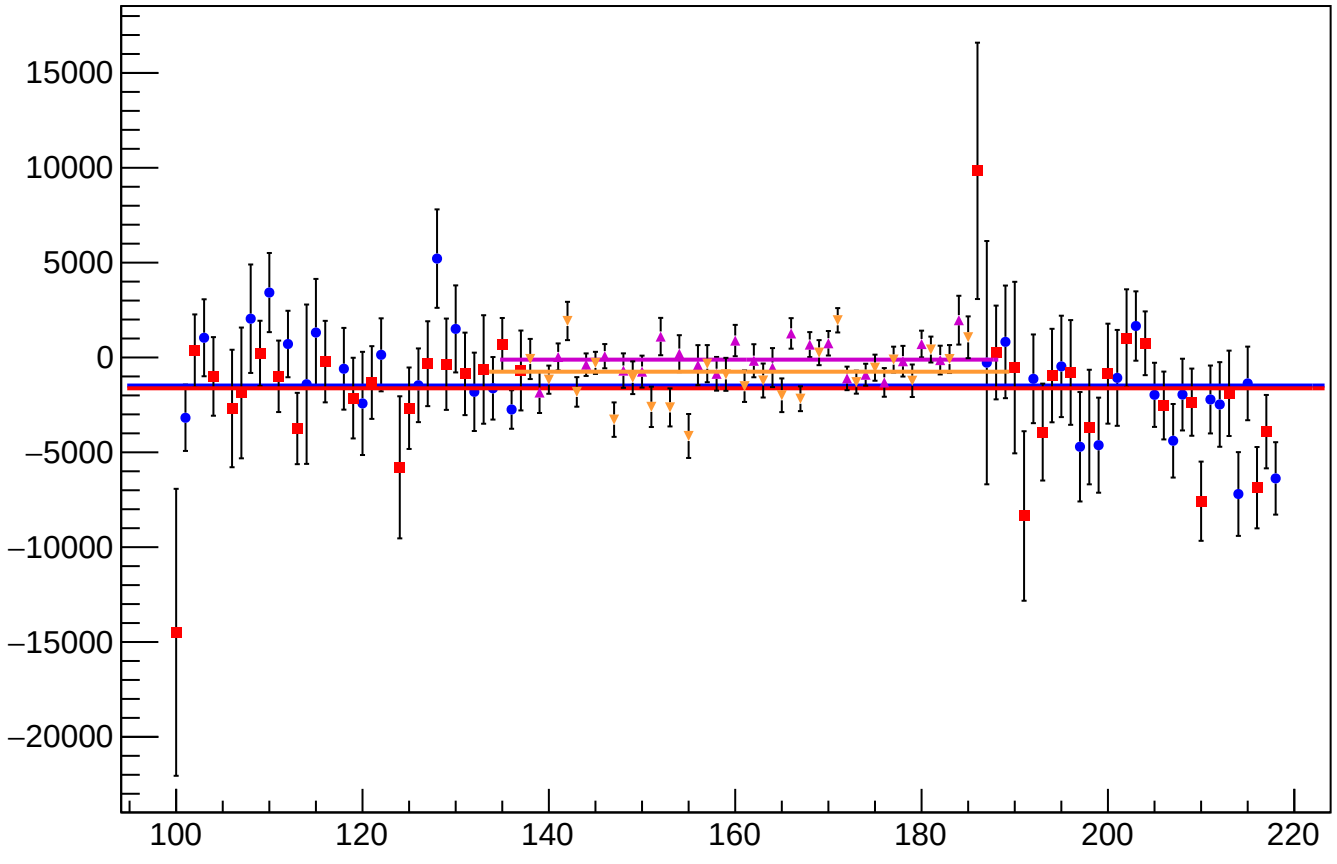
Right Out: 114.372+/-0.019 χ^2/NDF: 4743972.0/35

Left In: 77.348+/-0.013 χ^2/NDF:590414.8/22

+ sign 87.397+/-0.010 χ^2/NDF: 6738781.8/56

All: 88.166+/-0.007 χ^2/NDF: 14654078.3/115

- sign 88.991+/-0.011 χ^2/NDF: 7903866.4/58



Right In: -1478.907+/-363.334 χ^2/NDF: 45.6/31

Left Out: -749.632+/-158.081 χ^2/NDF:70.0/24

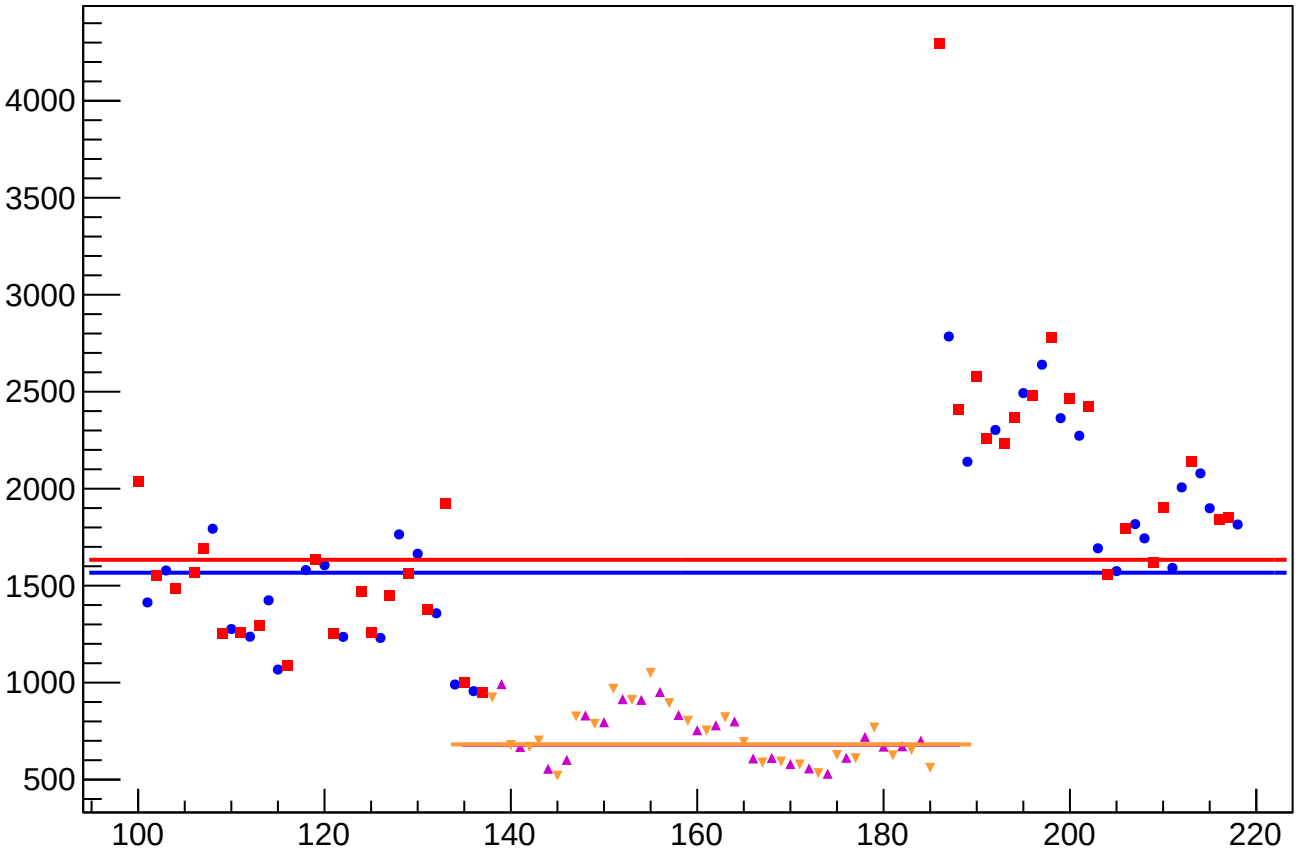
Right Out: -1625.410+/-375.716 χ^2/NDF: 38.7/35

Left In: -113.799+/-161.809 χ^2/NDF:25.1/22

+ sign -865.709+/-144.955 χ^2/NDF: 119.0/56

All: -614.425+/-103.768 χ^2/NDF: 202.6/115

- sign -350.300+/-148.613 χ^2/NDF: 77.4/58



Right In: 1566.692+/-0.257 χ^2/NDF: 2883411.6/31

Left Out: 681.426+/-0.112 χ^2/NDF:1334214.9/24

Right Out: 1633.332+/-0.266 χ^2/NDF: 3200327.2/35

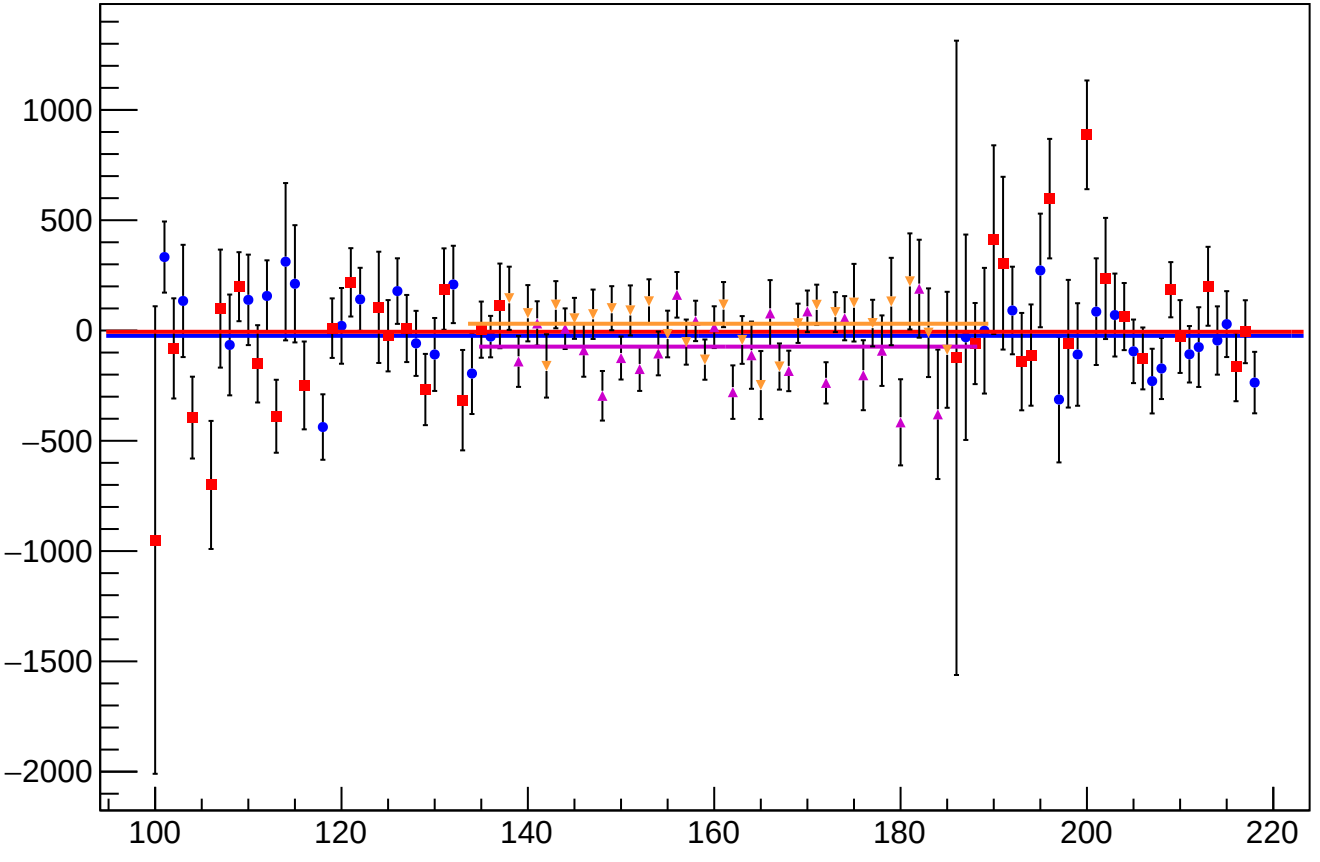
Left In: 679.414+/-0.114 χ^2/NDF:1185265.0/22

+ sign 822.332+/-0.102 χ^2/NDF: 14200929.5/56

All: 825.417+/-0.073 χ^2/NDF: 29463640.3/11

- sign 828.660+/-0.105 χ^2/NDF: 15260852.6/58

dit_asym_sam_2468_avg_mean vs Slug



Right In: -24.147+/-30.171 χ^2/NDF: 32.4/31

Left Out: 30.684+/-22.856 χ^2/NDF:19.9/24

Right Out: -5.806+/-31.114 χ^2/NDF: 55.5/35

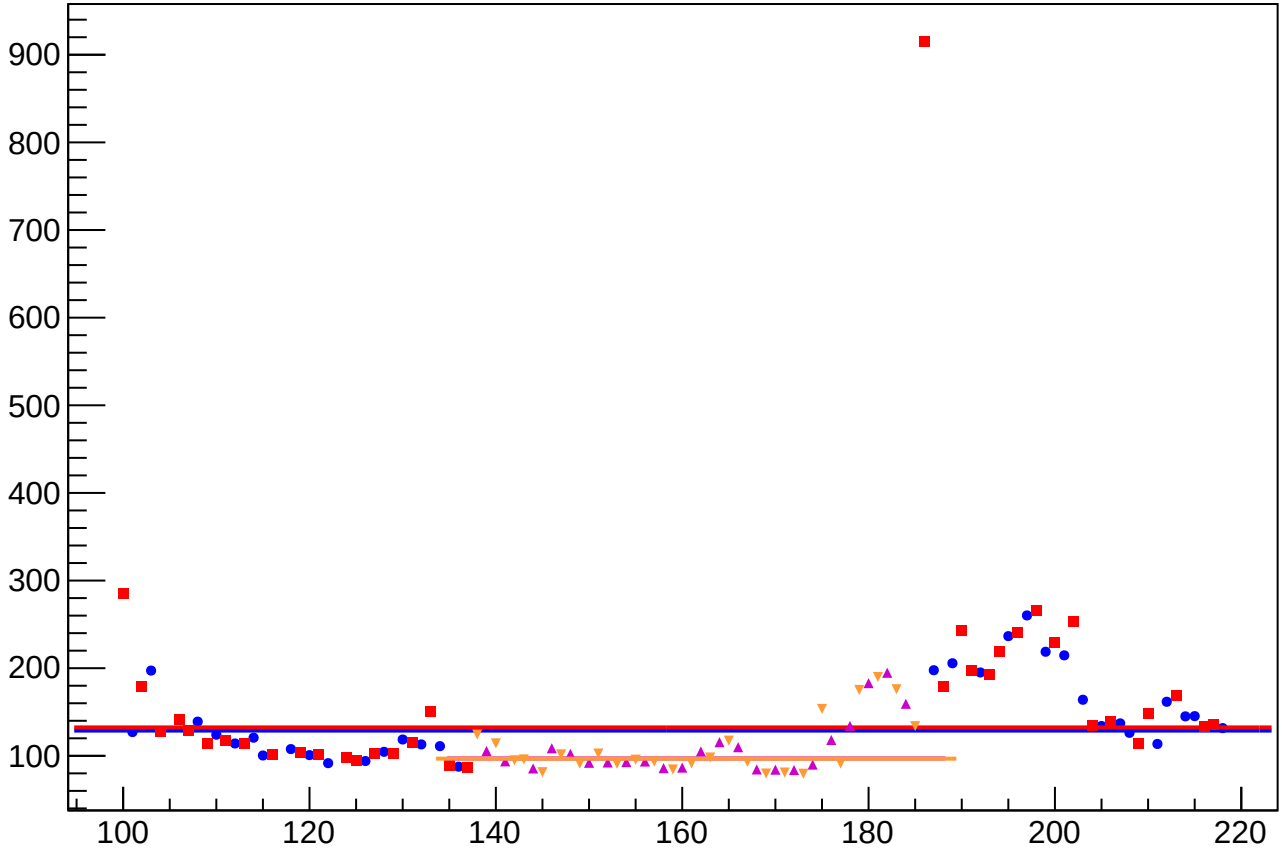
Left In: -73.147+/-23.510 χ^2/NDF:34.5/22

+ sign 10.691+/-18.218 χ^2/NDF: 54.5/56

All: -18.125+/-13.069 χ^2/NDF: 152.7/115

- sign -48.672+/-18.757 χ^2/NDF: 93.0/58

dit_asym_sam_2468_avg_rms vs Slug



Right In: 128.834+/-0.021 χ^2/NDF: 2969892.7/31

Left Out: 96.794+/-0.016 χ^2/NDF:1720415.9/24

Right Out: 132.446+/-0.022 χ^2/NDF: 4019975.3/35

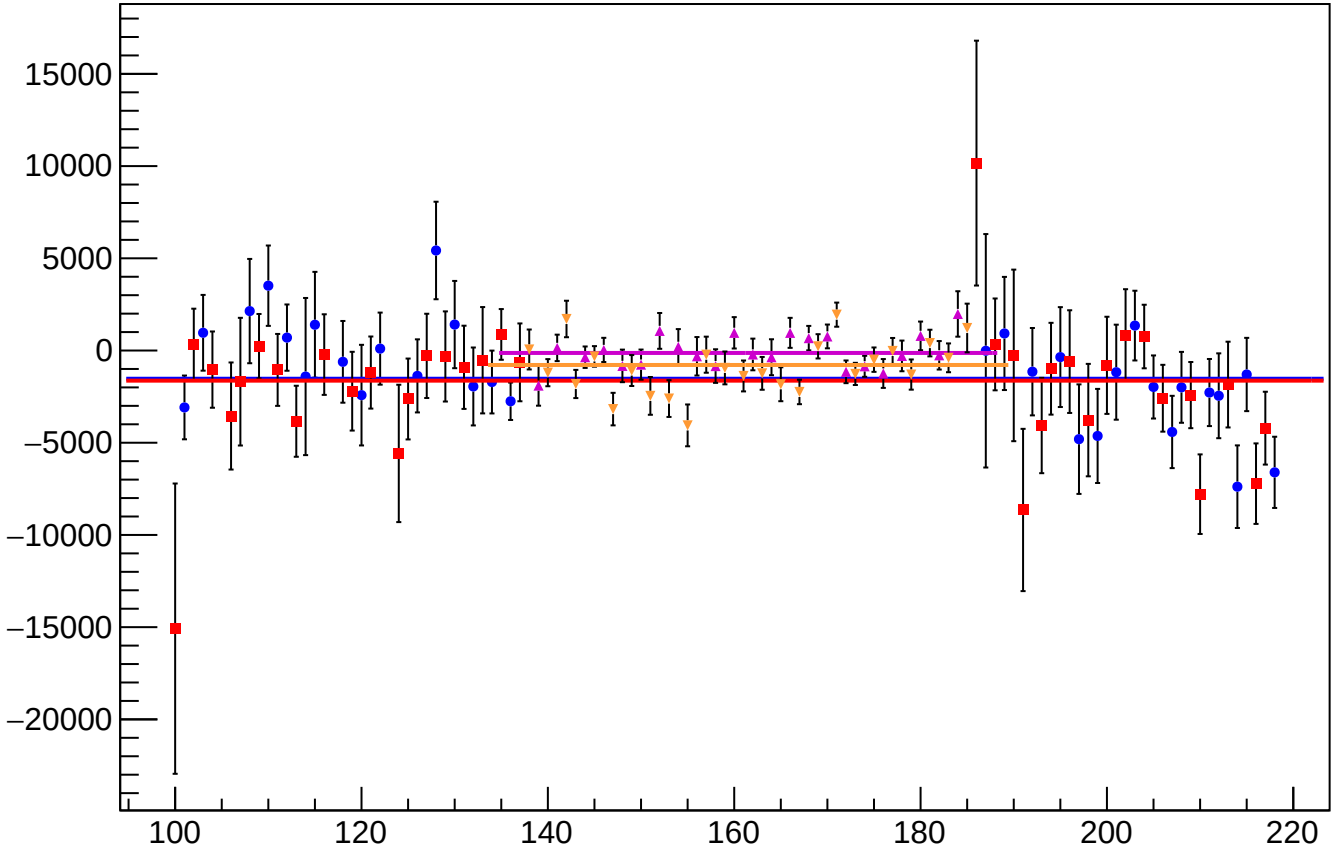
Left In: 97.017+/-0.017 χ^2/NDF:1321187.5/22

+ sign 108.477+/-0.013 χ^2/NDF: 6123361.4/56

All: 109.165+/-0.009 χ^2/NDF: 13121145.6/1

- sign 109.893+/-0.013 χ^2/NDF: 6991914.9/58

asym_sam_2468_avg_dit_correction_mean vs Slug



Right In: -1530.517+/-369.142 χ^2/NDF: 45.2/31

Left Out: -783.756+/-158.329 χ^2/NDF:66.3/24

Right Out: -1633.107+/-379.824 χ^2/NDF: 41.2/35

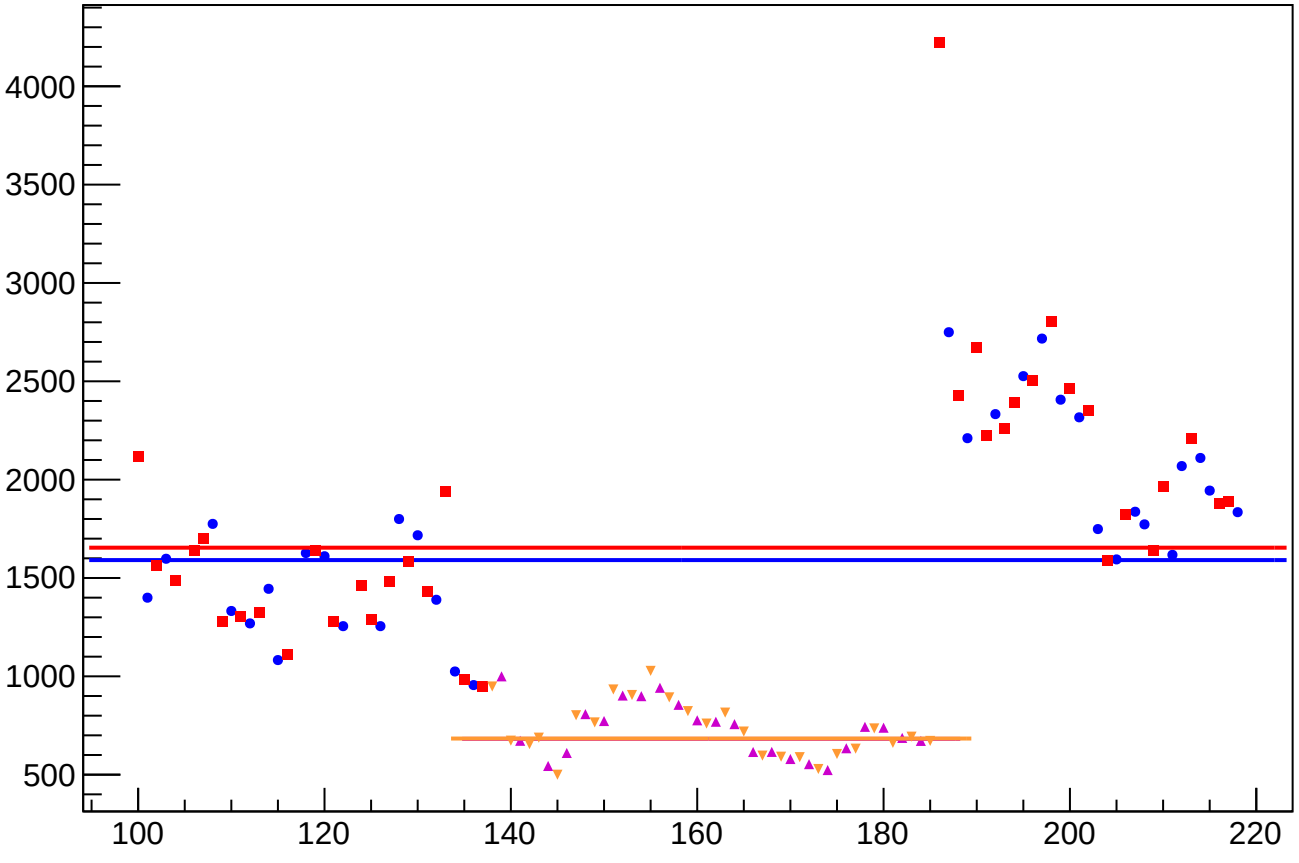
Left In: -131.380+/-162.409 χ^2/NDF:24.3/22

+ sign -899.787+/-145.509 χ^2/NDF: 115.0/56

All: -638.597+/-104.215 χ^2/NDF: 200.2/115

- sign -363.507+/-149.331 χ^2/NDF: 78.6/58

asym_sam_2468_avg_dit_correction_rms vs Slug



Right In: 1591.017+/-0.261 χ^2/NDF: 2936647.2/31

Left Out: 683.698+/-0.112 χ^2/NDF:1297969.4/24

Right Out: 1654.115+/-0.269 χ^2/NDF: 3202403.7/35

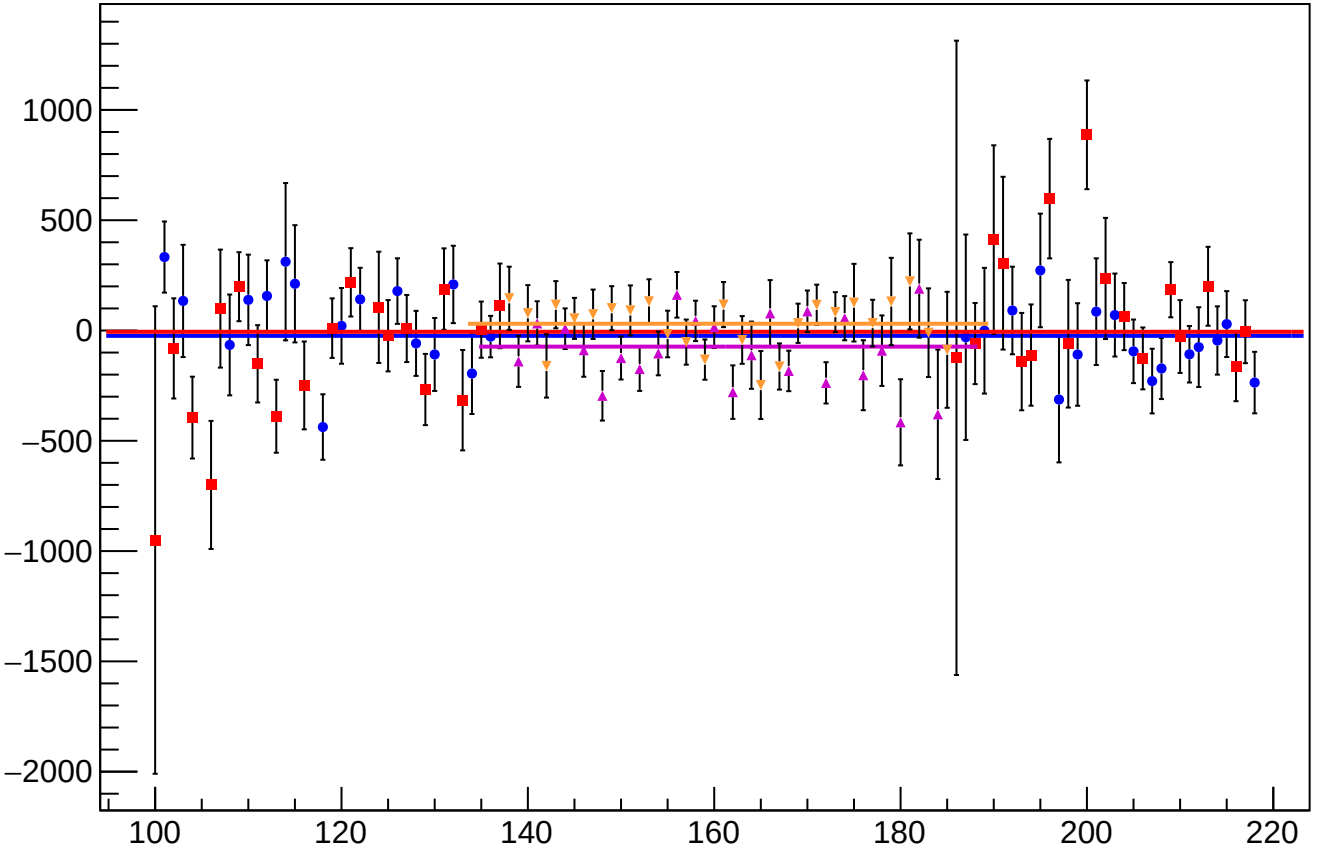
Left In: 681.961+/-0.115 χ^2/NDF:1186135.0/22

+ sign 824.677+/-0.103 χ^2/NDF: 14439886.2/56

All: 828.356+/-0.074 χ^2/NDF: 29907774.8/11

- sign 832.230+/-0.106 χ^2/NDF: 15465263.5/58

eigen_dit_asym_sam_2468_avg_mean vs Slug



Right In: -24.144+/-30.171 χ^2/NDF: 32.4/31

Left Out: 30.684+/-22.856 χ^2/NDF:19.9/24

Right Out: -5.804+/-31.113 χ^2/NDF: 55.5/35

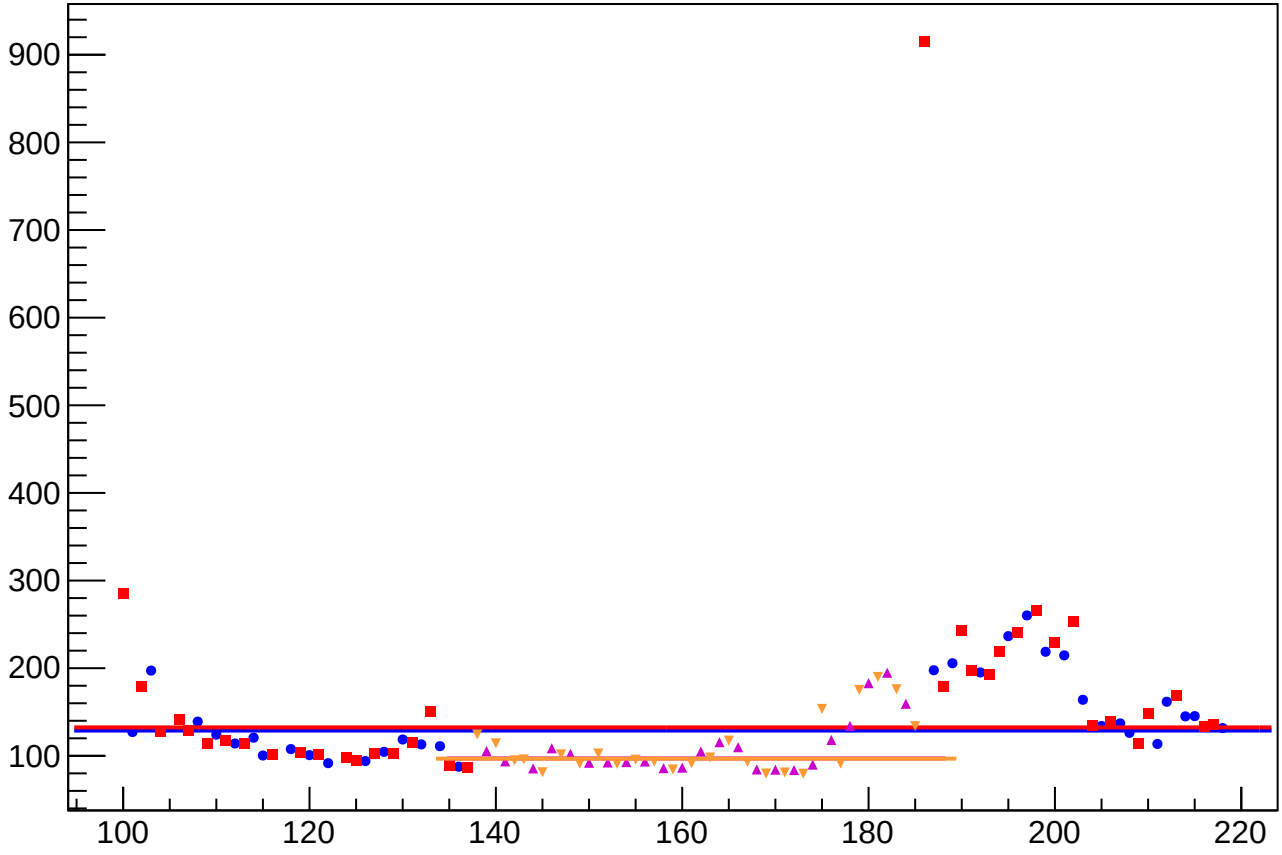
Left In: -73.146+/-23.510 χ^2/NDF:34.5/22

+ sign 10.692+/-18.218 χ^2/NDF: 54.5/56

All: -18.124+/-13.069 χ^2/NDF: 152.7/115

- sign -48.670+/-18.757 χ^2/NDF: 93.0/58

eigen_dit_asym_sam_2468_avg_rms vs Slug



Right In: 128.833+/-0.021 χ^2/NDF: 2969911.4/31

Left Out: 96.795+/-0.016 χ^2/NDF:1720415.9/24

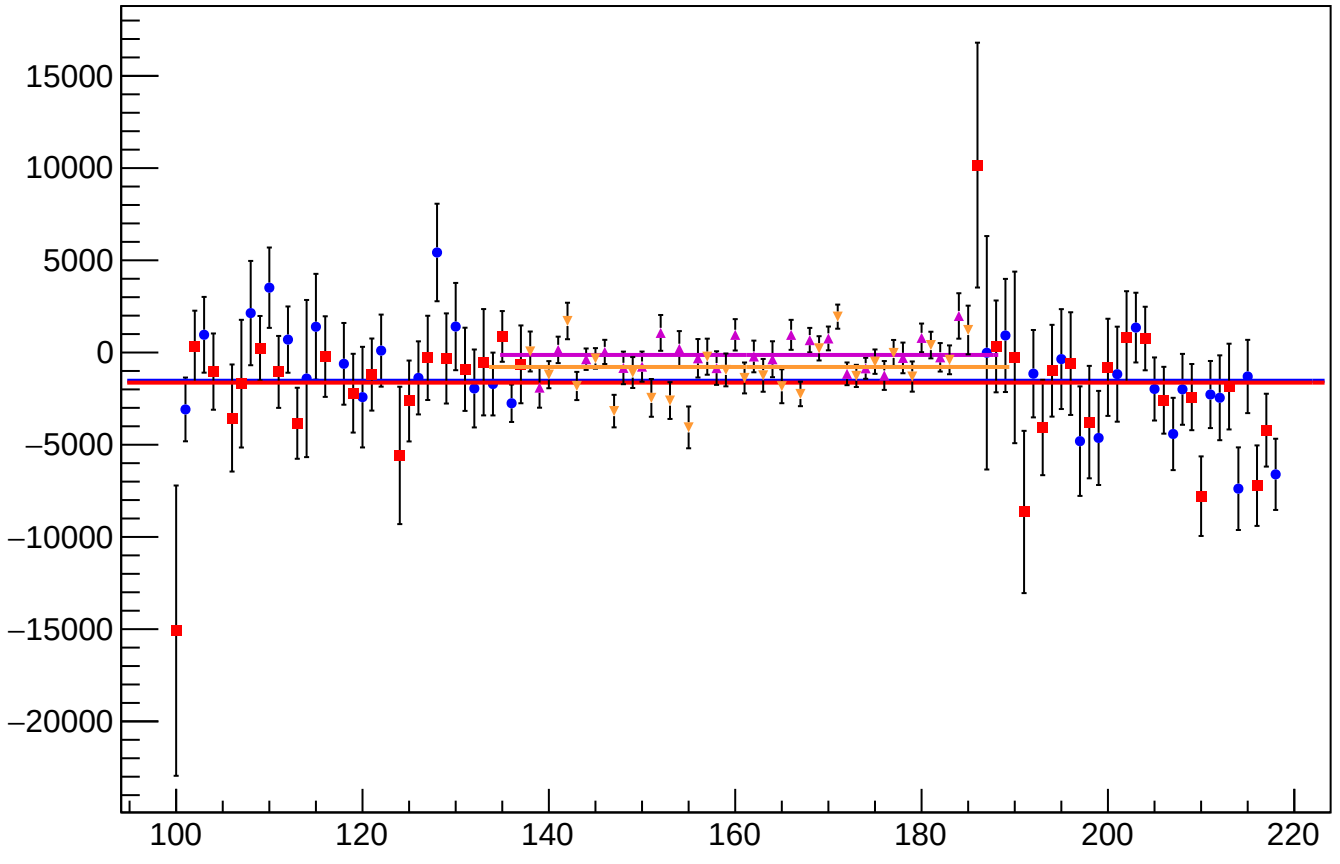
Right Out: 132.445+/-0.022 χ^2/NDF: 4020006.1/35

Left In: 97.017+/-0.017 χ^2/NDF:1321171.2/22

+ sign 108.477+/-0.013 χ^2/NDF: 6123305.7/56

All: 109.165+/-0.009 χ^2/NDF: 13121032.6/1

- sign 109.894+/-0.013 χ^2/NDF: 6991857.3/58



Right In: -1530.511+/-369.142 χ^2/NDF: 45.2/31

Left Out: -783.754+/-158.328 χ^2/NDF:66.3/24

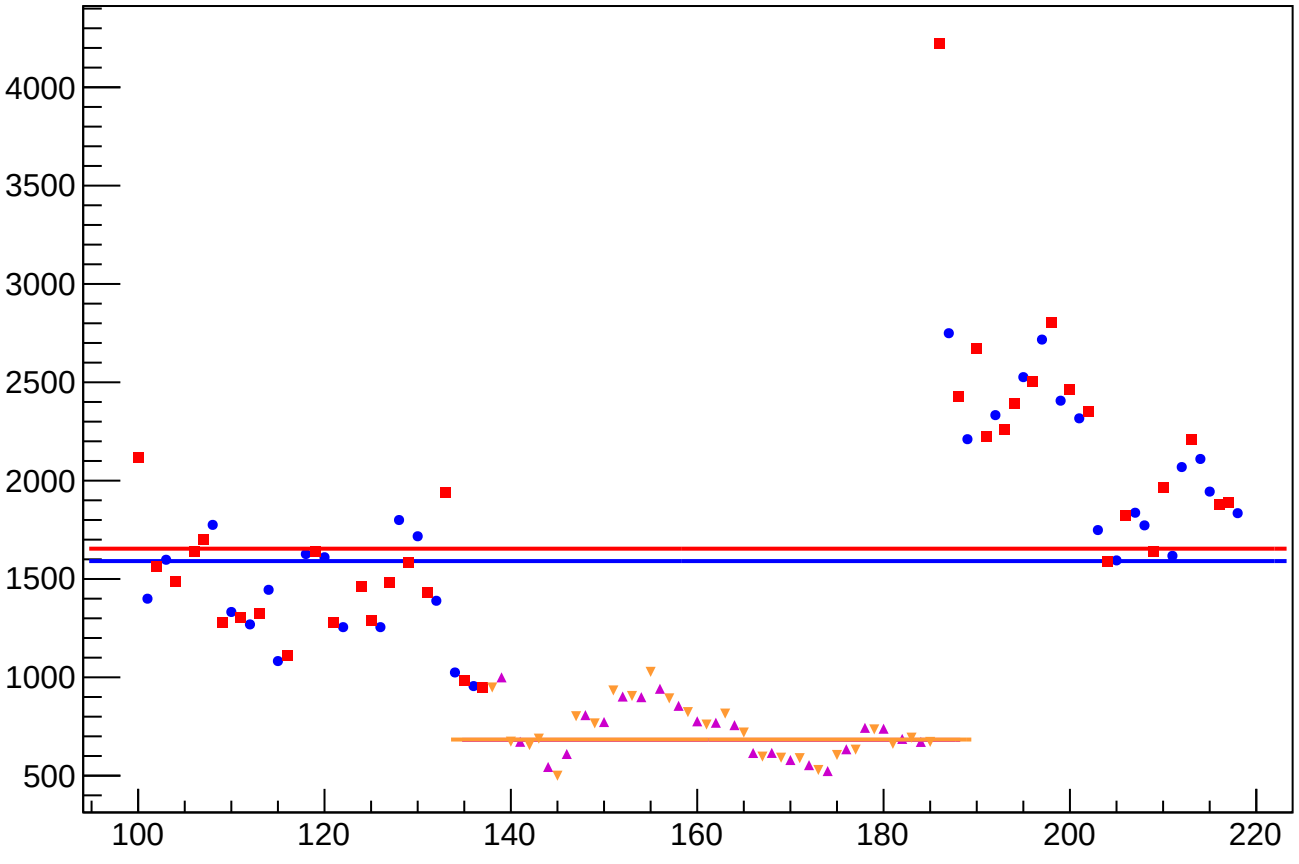
Right Out: -1633.103+/-379.823 χ^2/NDF: 41.2/35

Left In: -131.379+/-162.409 χ^2/NDF:24.3/22

+ sign -899.785+/-145.509 χ^2/NDF: 115.0/56

All: -638.595+/-104.215 χ^2/NDF: 200.2/115

- sign -363.505+/-149.330 χ^2/NDF: 78.6/58



Right In: 1591.014+/-0.261 χ^2/NDF: 2936656.8/31

Left Out: 683.696+/-0.112 χ^2/NDF:1297975.5/24

Right Out: 1654.112+/-0.269 χ^2/NDF: 3202416.7/35

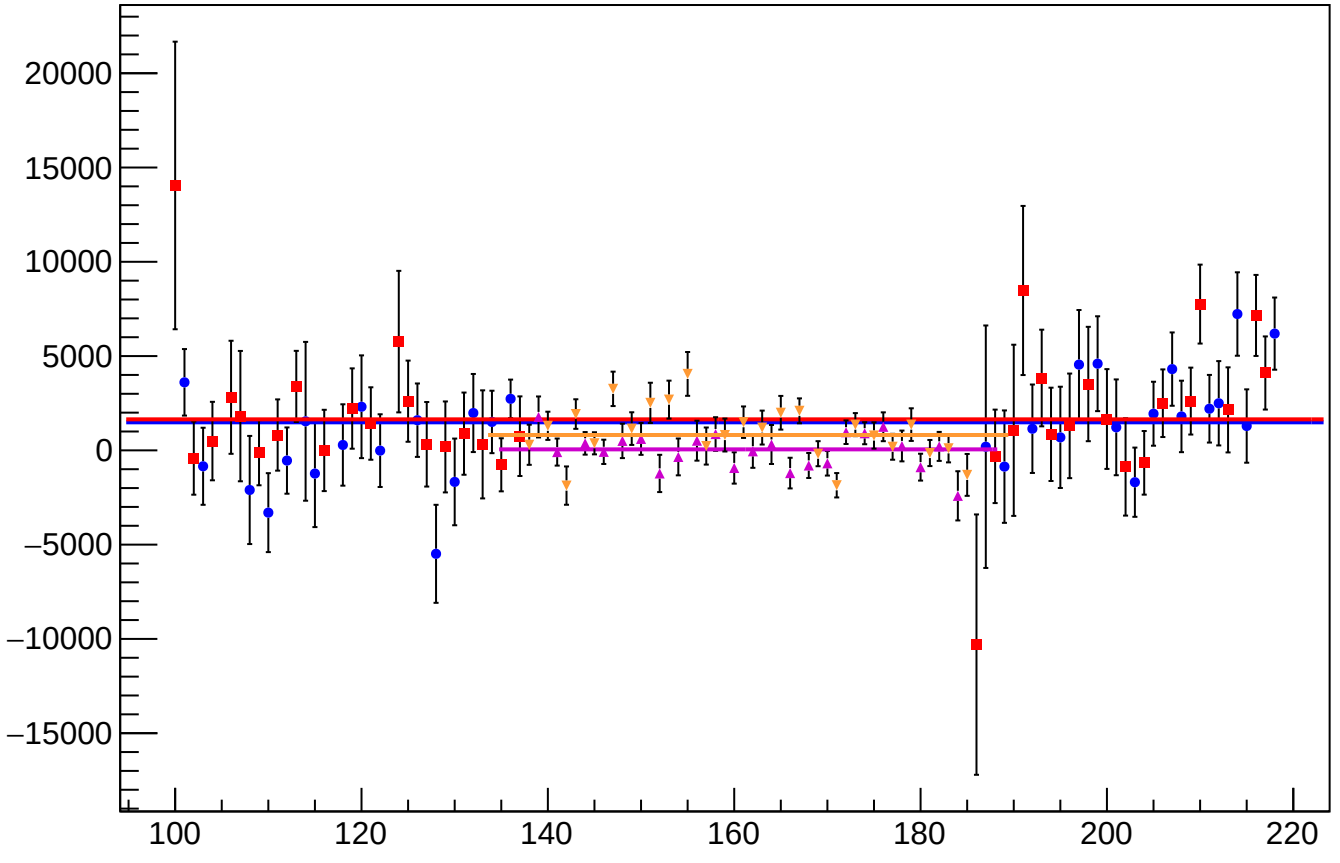
Left In: 681.960+/-0.115 χ^2/NDF:1186136.6/22

+ sign 824.675+/-0.103 χ^2/NDF: 14439909.8/56

All: 828.354+/-0.074 χ^2/NDF: 29907820.5/11

- sign 832.228+/-0.106 χ^2/NDF: 15465285.7/58

asym_sam_2468_avg_mean vs Slug



Right In: 1486.957+/-364.565 χ^2/NDF: 45.2/31

Left Out: 814.067+/-159.256 χ^2/NDF:65.8/24

Right Out: 1644.681+/-376.681 χ^2/NDF: 39.9/35

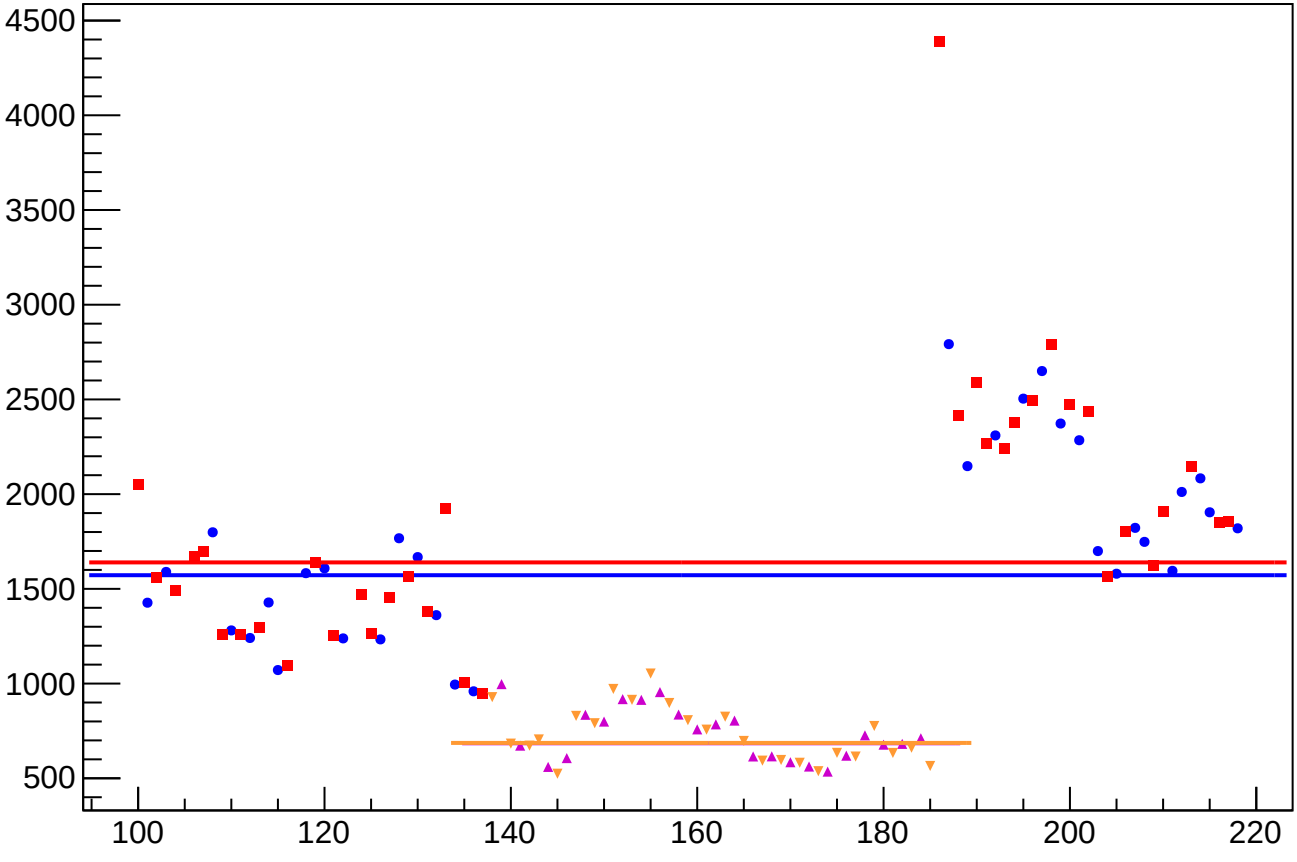
Left In: 52.290+/-163.036 χ^2/NDF:25.4/22

+ sign 921.897+/-145.939 χ^2/NDF: 113.9/56

All: 620.420+/-104.472 χ^2/NDF: 202.9/115

- sign 303.534+/-149.622 χ^2/NDF: 80.3/58

asym_sam_2468_avg_rms vs Slug



Right In: 1572.055+/-0.258 χ^2/NDF: 2881864.5/31

Left Out: 686.700+/-0.113 χ^2/NDF:1312231.8/24

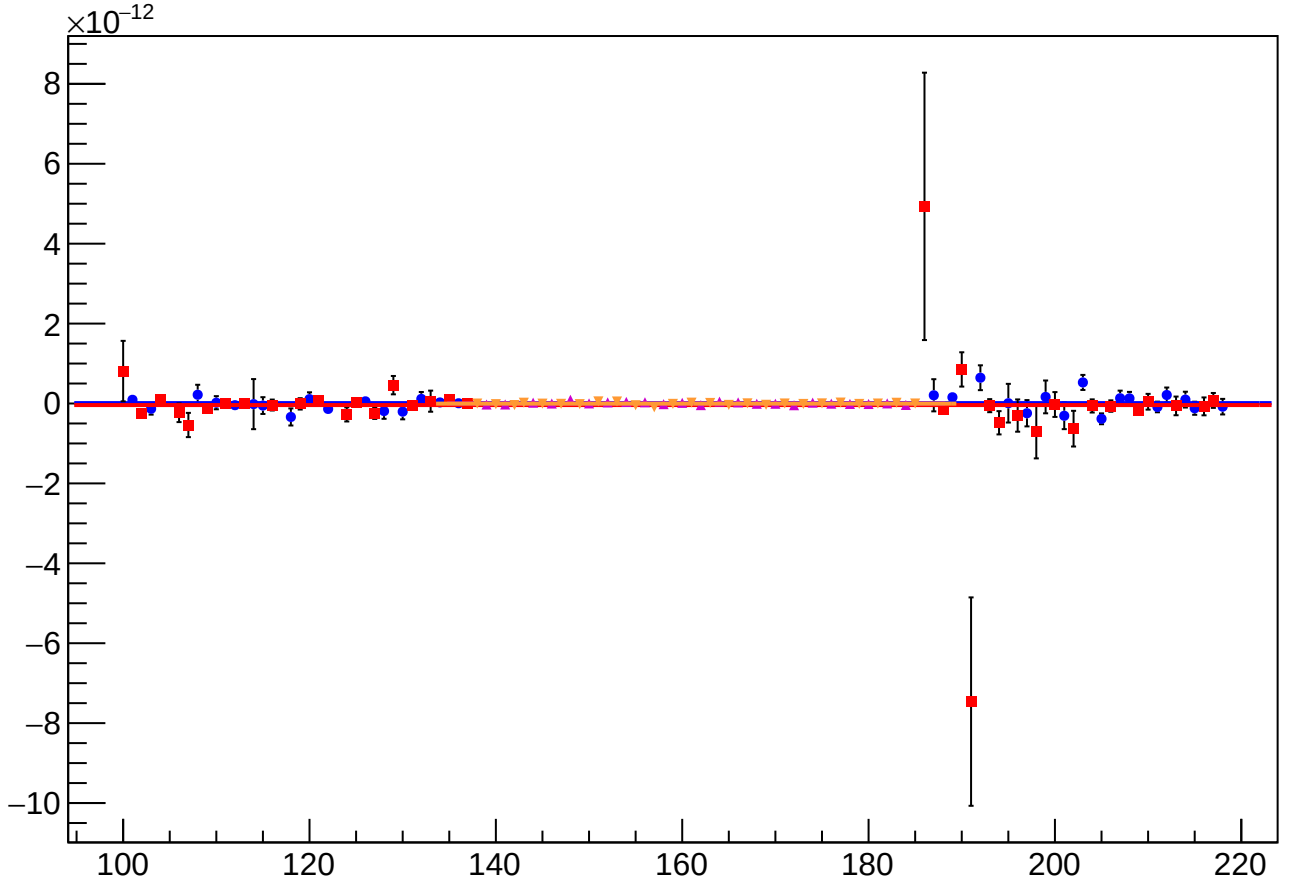
Right Out: 1639.624+/-0.266 χ^2/NDF: 3210706.7/35

Left In: 684.763+/-0.115 χ^2/NDF:1165205.5/22

+ sign 828.576+/-0.103 χ^2/NDF: 14099368.0/56

All: 831.912+/-0.074 χ^2/NDF: 29301462.8/11

- sign 835.419+/-0.106 χ^2/NDF: 15199951.2/58



Right In: 0.000+/-0.000 χ^2/NDF: 38.6/31

Left Out: -0.000+/-0.000 χ^2/NDF:16.5/24

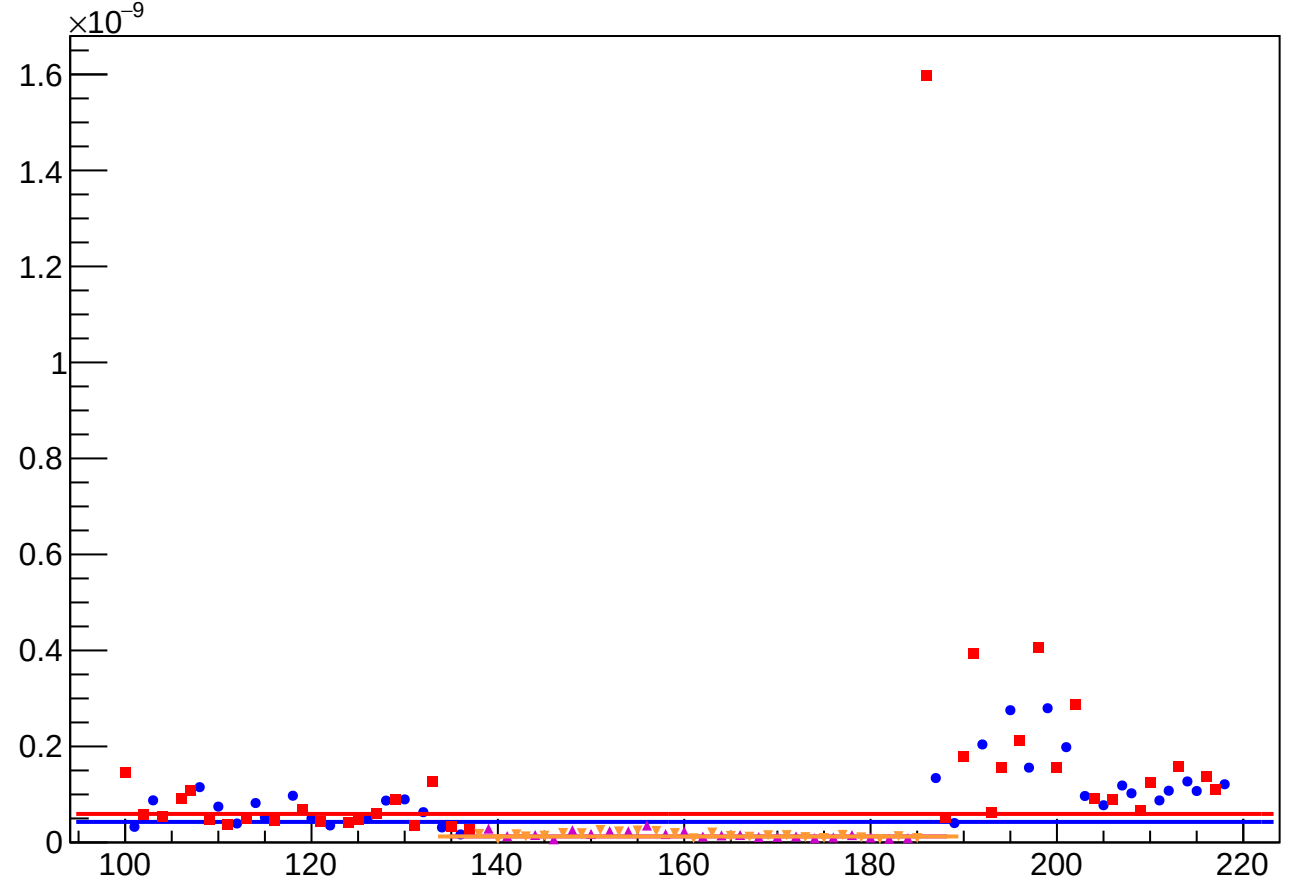
Right Out: -0.000+/-0.000 χ^2/NDF: 48.5/35

Left In: 0.000+/-0.000 χ^2/NDF:20.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 55.5/56

All: -0.000+/-0.000 χ^2/NDF: 127.1/115

- sign -0.000+/-0.000 χ^2/NDF: 71.5/58



Right In: 0.000+/-0.000 χ^2/NDF: 7312578.8/31

Left Out: 0.000+/-0.000 χ^2/NDF:1742020.0/24

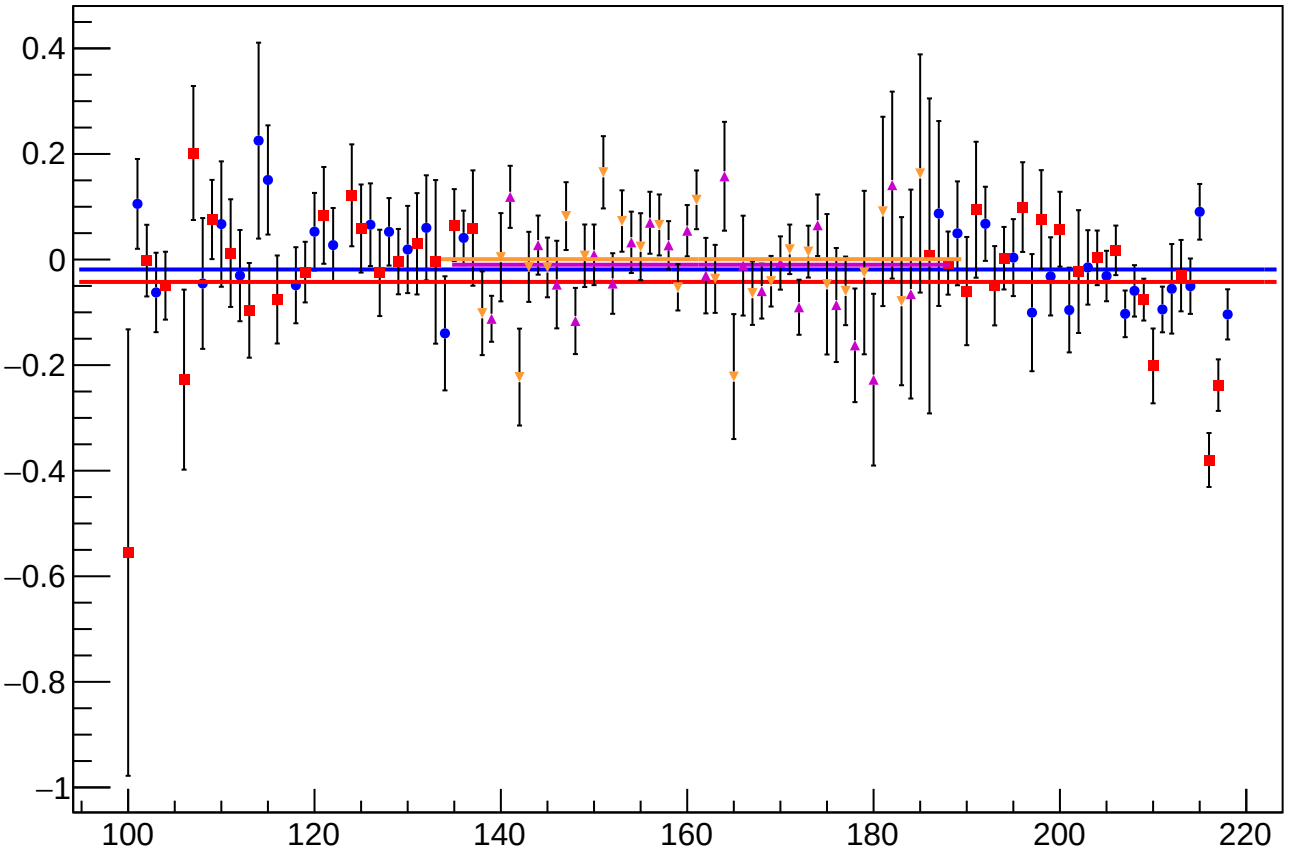
Right Out: 0.000+/-0.000 χ^2/NDF: 4607272.2/35

Left In: 0.000+/-0.000 χ^2/NDF:1961578.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 13484646.6/56

All: 0.000+/-0.000 χ^2/NDF: 27057771.4/115

- sign 0.000+/-0.000 χ^2/NDF: 13568479.3/58



Right In: -0.019+/-0.012 χ^2/NDF: 34.3/31

Left Out: 0.001+/-0.013 χ^2/NDF:31.7/24

Right Out: -0.042+/-0.012 χ^2/NDF: 97.0/35

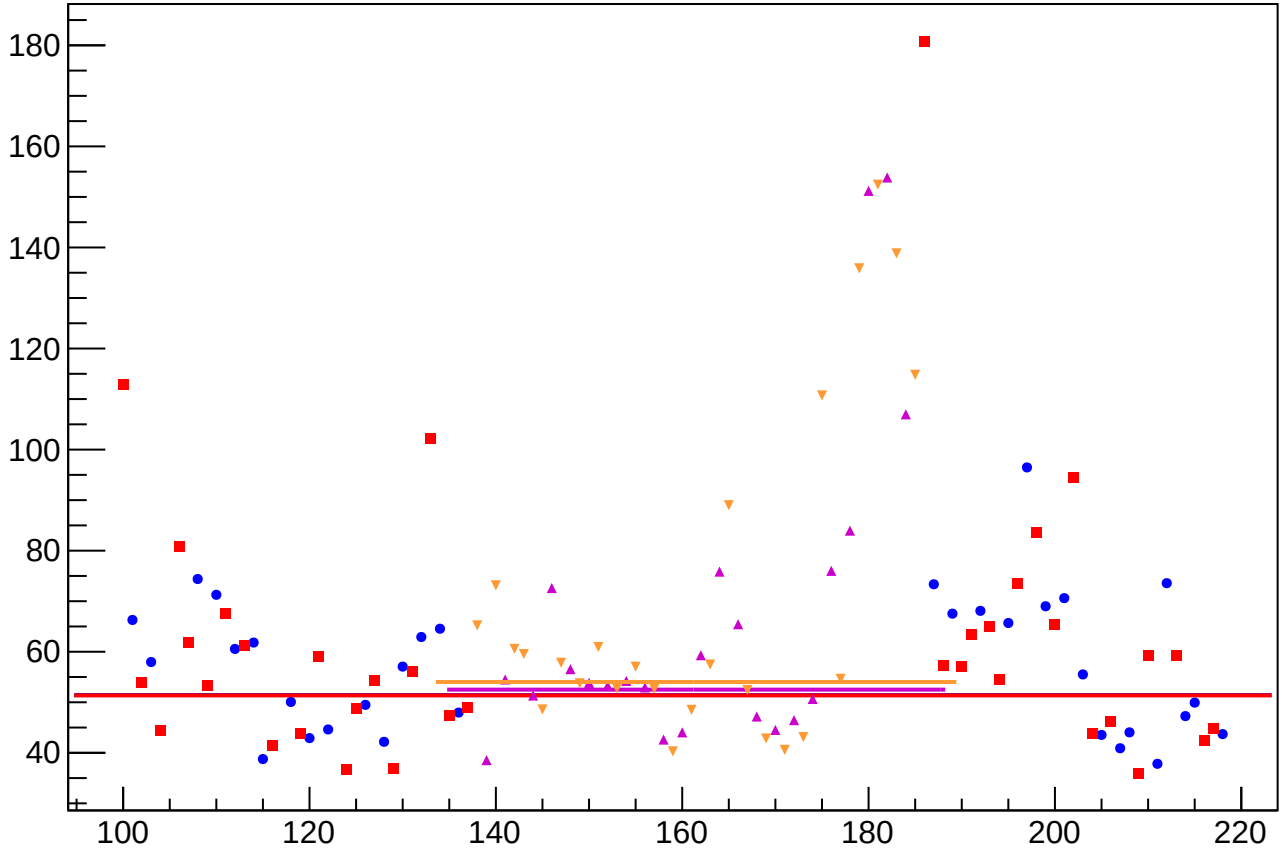
Left In: -0.010+/-0.013 χ^2/NDF:31.9/22

+ sign -0.010+/-0.009 χ^2/NDF: 67.2/56

All: -0.019+/-0.006 χ^2/NDF: 201.3/115

- sign -0.027+/-0.009 χ^2/NDF: 132.2/58

asym_sam_2468_avg_dit_vs_cor_diff_rms vs Slug



Right In: 51.420+/-0.009 χ^2/NDF: 1875153.5/31

Left Out: 54.014+/-0.009 χ^2/NDF:3227550.5/24

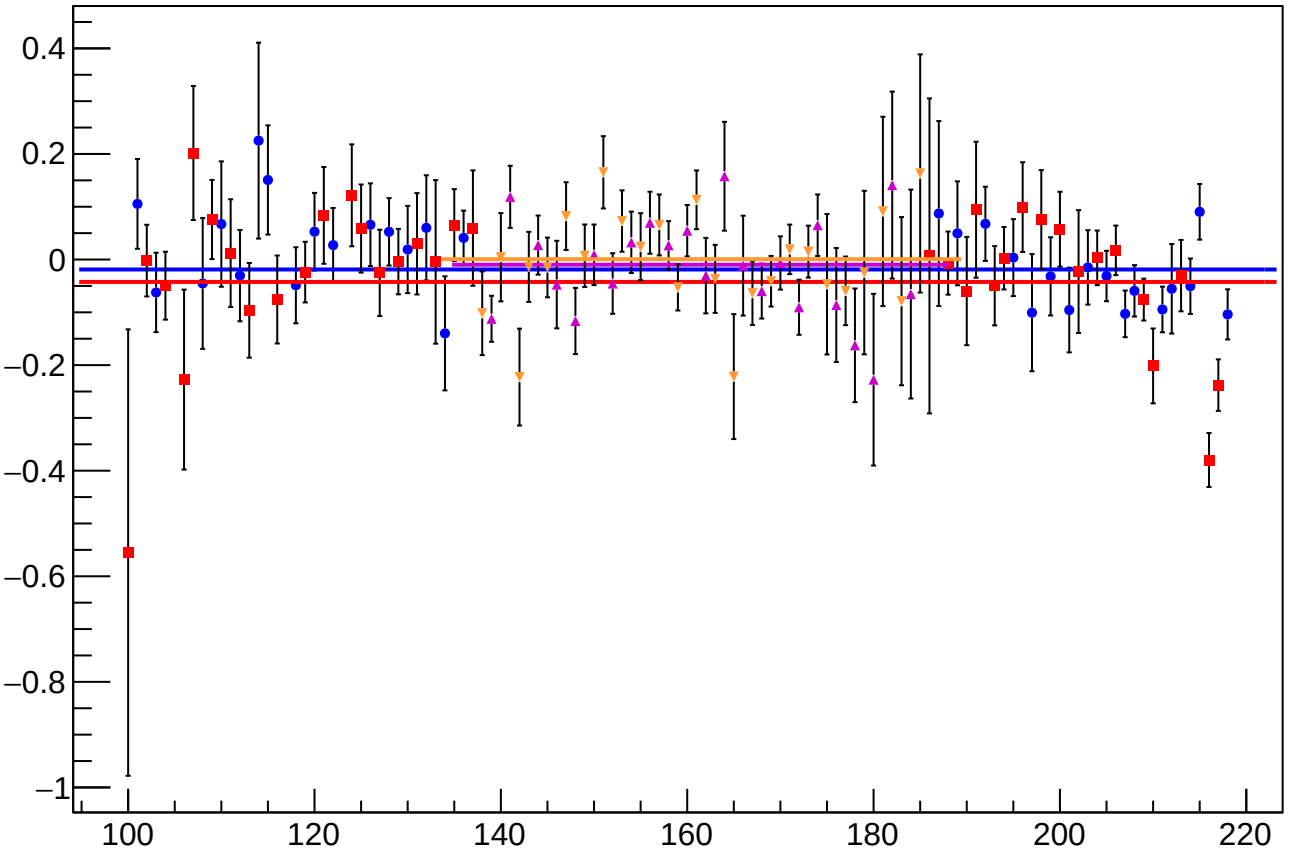
Right Out: 51.370+/-0.009 χ^2/NDF: 2419962.7/35

Left In: 52.502+/-0.009 χ^2/NDF:2557763.5/22

+ sign 52.607+/-0.006 χ^2/NDF: 5144354.8/56

All: 52.248+/-0.004 χ^2/NDF: 10136446.8/115

- sign 51.889+/-0.006 χ^2/NDF: 4985661.7/58



Right In: -0.019+/-0.012 χ^2/NDF: 34.3/31

Left Out: 0.001+/-0.013 χ^2/NDF:31.7/24

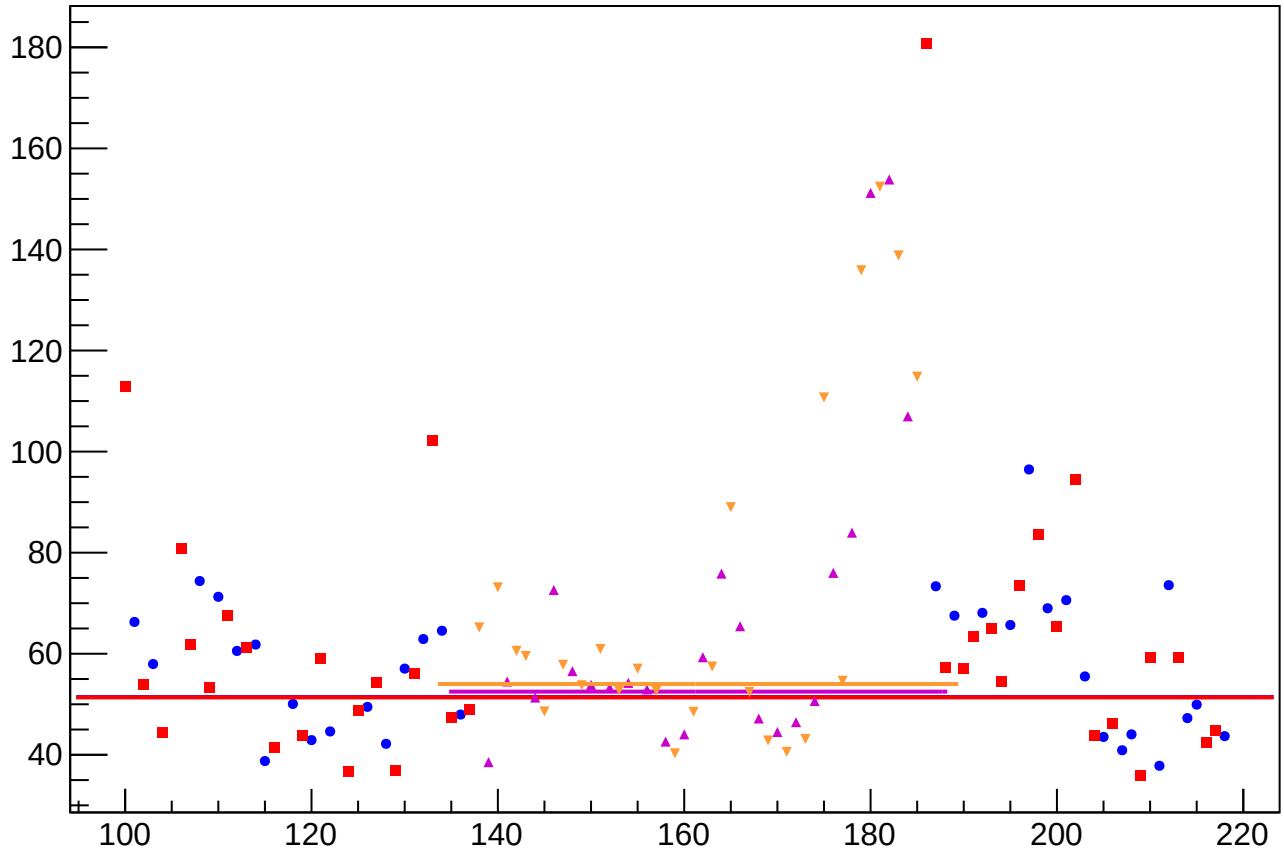
Right Out: -0.042+/-0.012 χ^2/NDF: 97.0/35

Left In: -0.010+/-0.013 χ^2/NDF:31.9/22

+ sign -0.010+/-0.009 χ^2/NDF: 67.2/56

All: -0.019+/-0.006 χ^2/NDF: 201.3/115

- sign -0.027+/-0.009 χ^2/NDF: 132.2/58



Right In: 51.420+/-0.009 χ^2/NDF: 1875153.5/31

Left Out: 54.014+/-0.009 χ^2/NDF:3227550.5/24

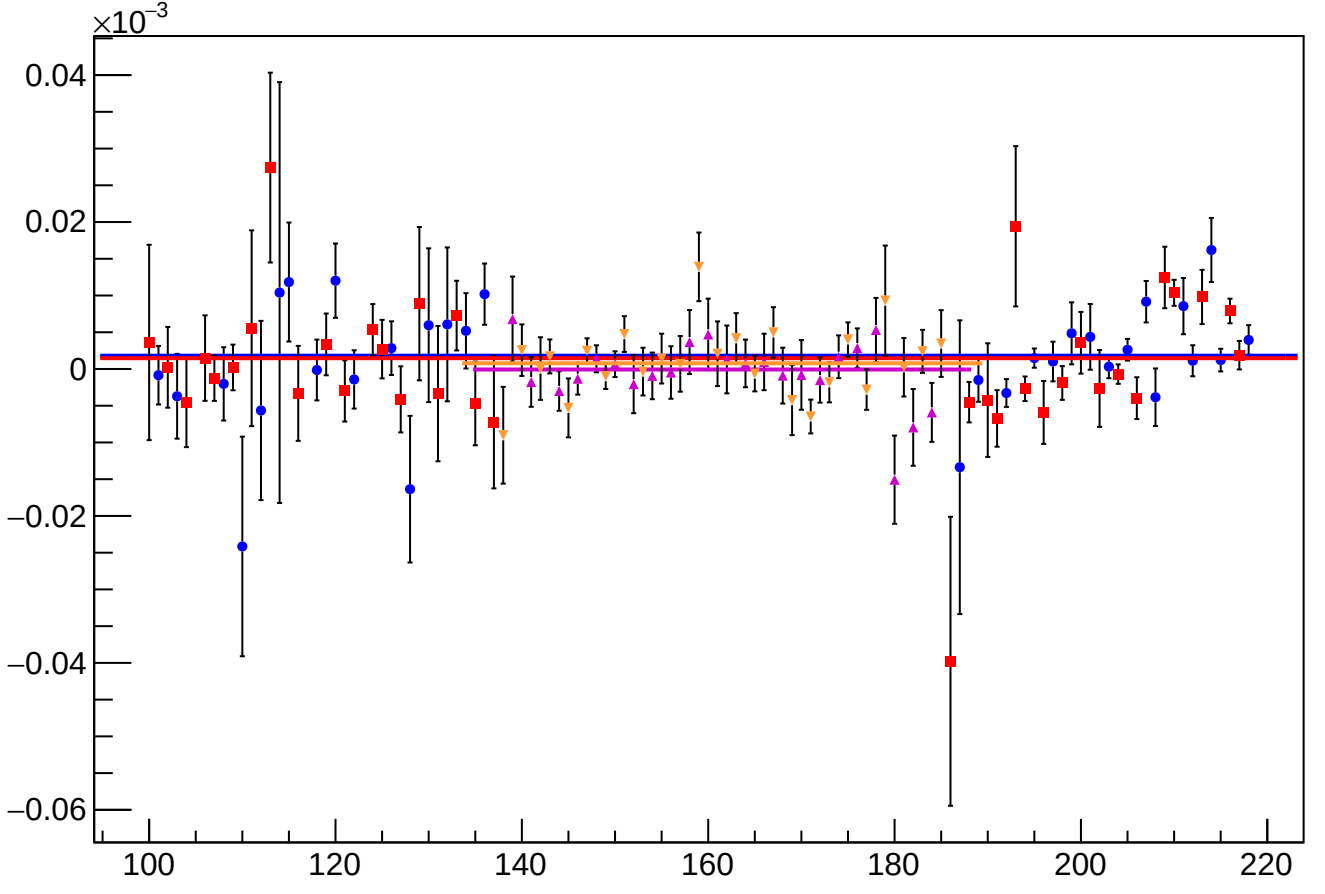
Right Out: 51.370+/-0.009 χ^2/NDF: 2419962.7/35

Left In: 52.502+/-0.009 χ^2/NDF:2557763.5/22

+ sign 52.607+/-0.006 χ^2/NDF: 5144354.8/56

All: 52.248+/-0.004 χ^2/NDF: 10136446.8/115

- sign 51.889+/-0.006 χ^2/NDF: 4985661.7/58



Right In: 0.000+/-0.000 χ^2/NDF: 55.6/31

Left Out: 0.000+/-0.000 χ^2/NDF:38.1/24

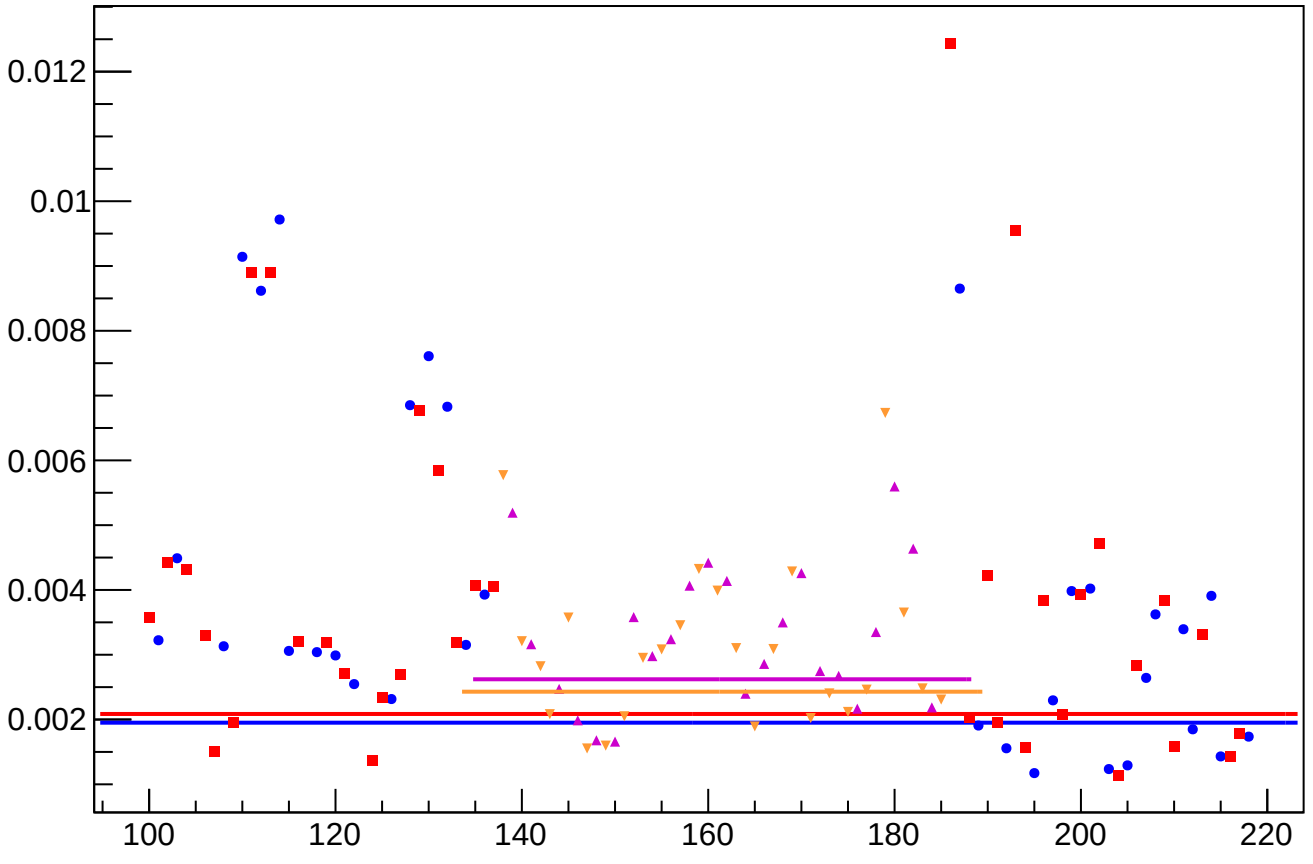
Right Out: 0.000+/-0.000 χ^2/NDF: 102.9/35

Left In: -0.000+/-0.000 χ^2/NDF:20.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 95.4/56

All: 0.000+/-0.000 χ^2/NDF: 222.6/115

- sign 0.000+/-0.000 χ^2/NDF: 126.4/58



Right In: 0.002+/-0.000 χ^2/NDF: 8485391.6/31

Left Out: 0.002+/-0.000 χ^2/NDF:4218362.5/24

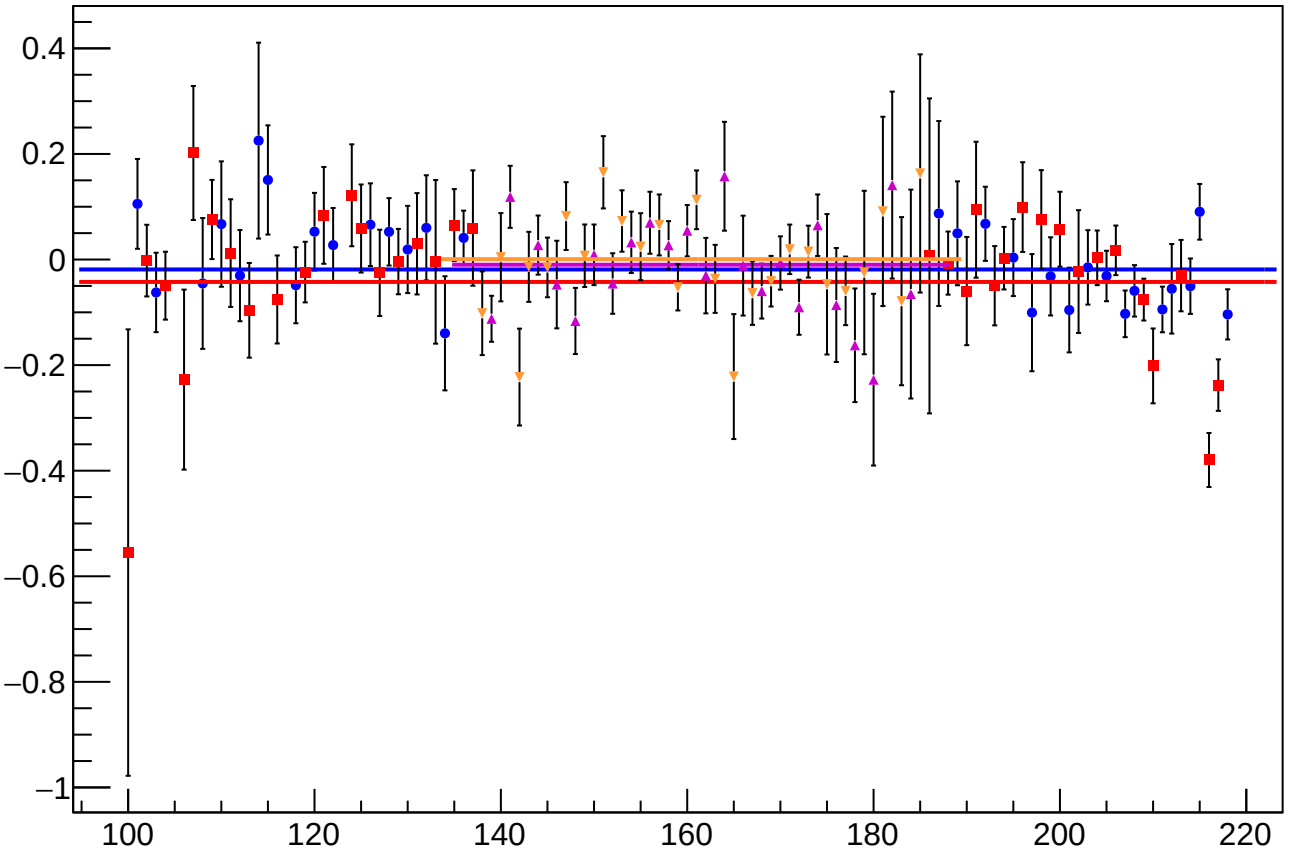
Right Out: 0.002+/-0.000 χ^2/NDF: 8791166.1/35

Left In: 0.003+/-0.000 χ^2/NDF:3955310.5/22

+ sign 0.002+/-0.000 χ^2/NDF: 13452761.2/56

All: 0.002+/-0.000 χ^2/NDF: 27114447.7/115

- sign 0.002+/-0.000 χ^2/NDF: 13535745.6/58



Right In: -0.019+/-0.012 χ^2/NDF: 34.3/31

Left Out: 0.001+/-0.013 χ^2/NDF:31.7/24

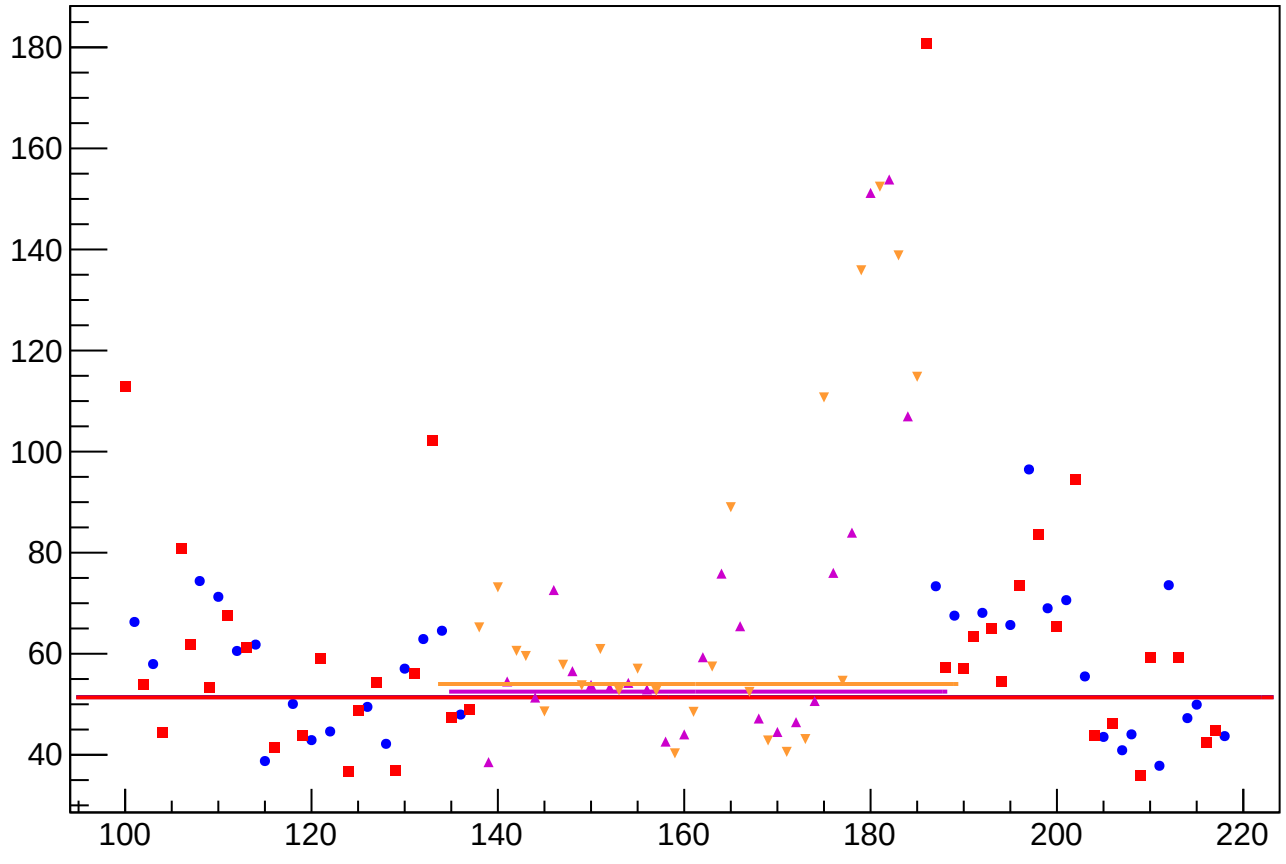
Right Out: -0.042+/-0.012 χ^2/NDF: 97.0/35

Left In: -0.010+/-0.013 χ^2/NDF:31.9/22

+ sign -0.010+/-0.009 χ^2/NDF: 67.2/56

All: -0.019+/-0.006 χ^2/NDF: 201.3/115

- sign -0.027+/-0.009 χ^2/NDF: 132.2/58



Right In: 51.419+/-0.009 χ^2/NDF: 1875057.2/31

Left Out: 54.014+/-0.009 χ^2/NDF:3227569.4/24

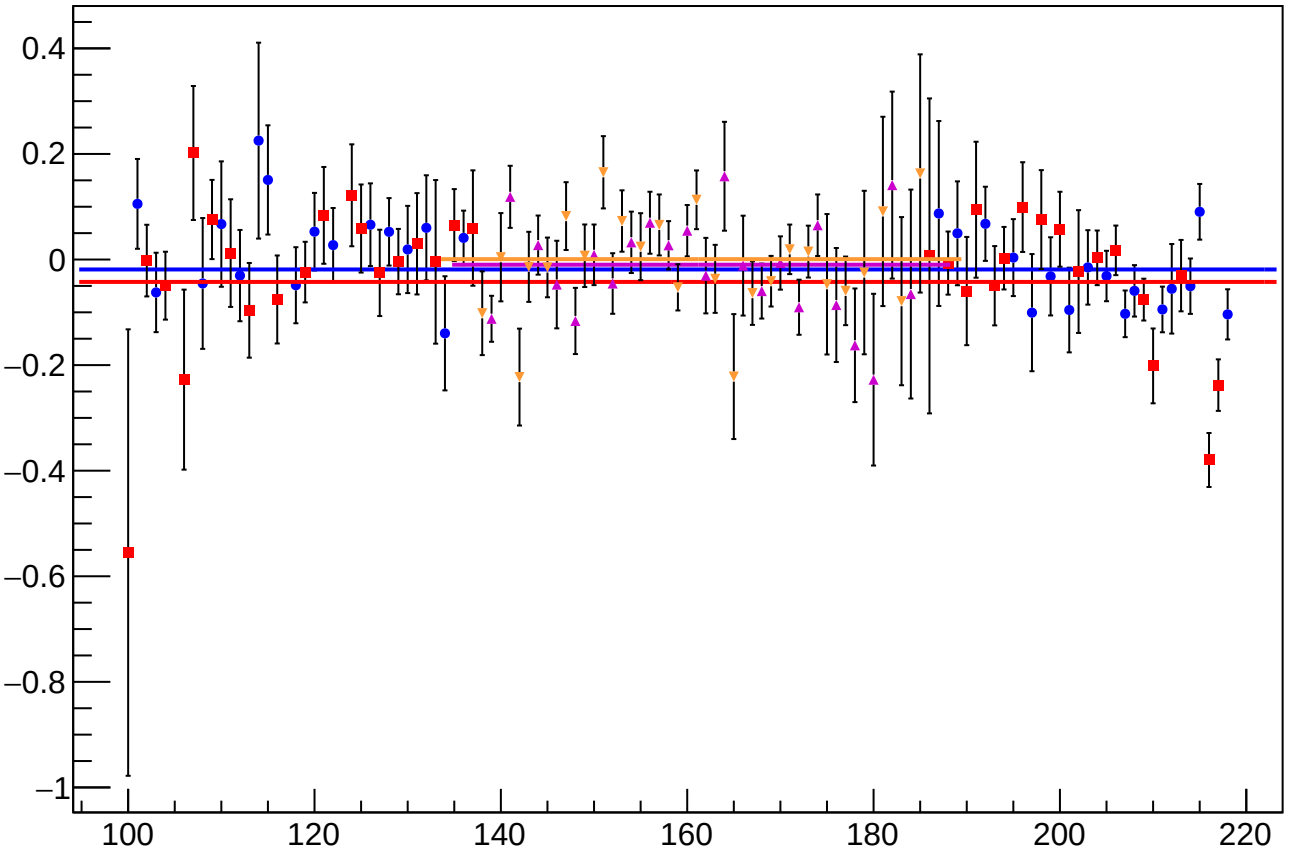
Right Out: 51.370+/-0.009 χ^2/NDF: 2419891.9/35

Left In: 52.502+/-0.009 χ^2/NDF:2557805.6/22

+ sign 52.607+/-0.006 χ^2/NDF: 5144303.9/56

All: 52.248+/-0.004 χ^2/NDF: 10136374.0/115

- sign 51.889+/-0.006 χ^2/NDF: 4985641.3/58



Right In: -0.019+/-0.012 χ^2/NDF: 34.3/31

Left Out: 0.001+/-0.013 χ^2/NDF:31.7/24

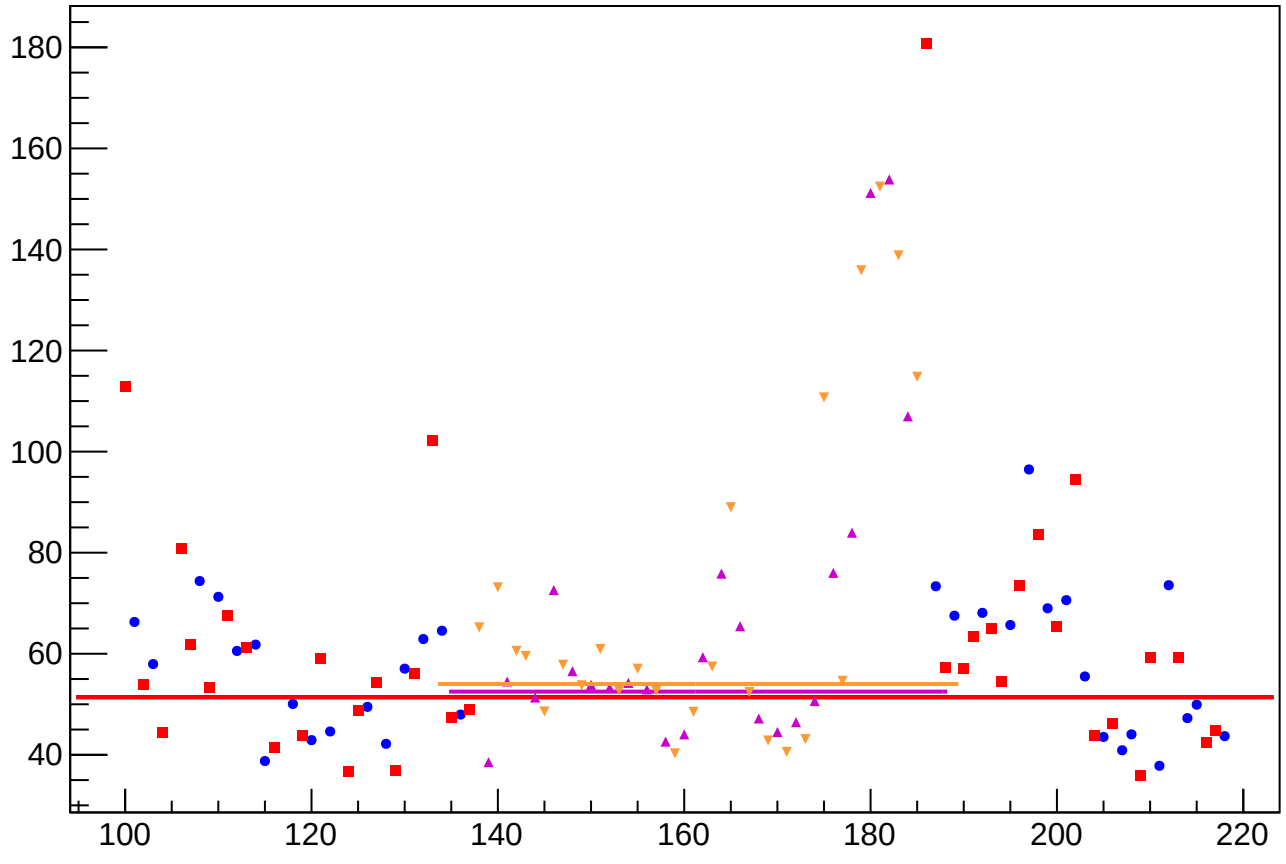
Right Out: -0.042+/-0.012 χ^2/NDF: 97.0/35

Left In: -0.010+/-0.013 χ^2/NDF:31.9/22

+ sign -0.010+/-0.009 χ^2/NDF: 67.2/56

All: -0.019+/-0.006 χ^2/NDF: 201.3/115

- sign -0.027+/-0.009 χ^2/NDF: 132.2/58



Right In: 51.419+/-0.009 χ^2/NDF: 1875057.2/31

Left Out: 54.014+/-0.009 χ^2/NDF:3227569.4/24

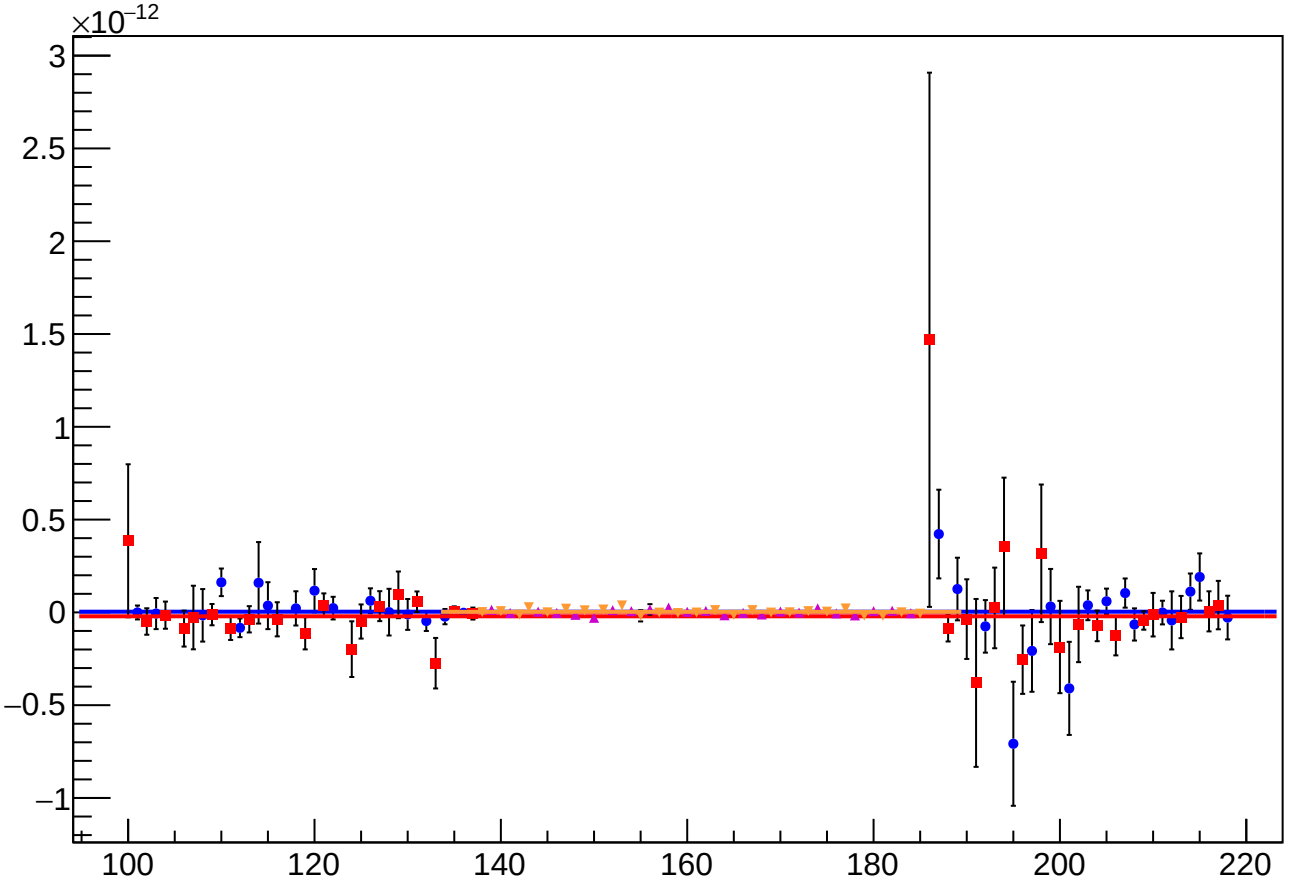
Right Out: 51.370+/-0.009 χ^2/NDF: 2419891.9/35

Left In: 52.502+/-0.009 χ^2/NDF:2557805.6/22

+ sign 52.607+/-0.006 χ^2/NDF: 5144303.9/56

All: 52.248+/-0.004 χ^2/NDF: 10136374.0/115

- sign 51.889+/-0.006 χ^2/NDF: 4985641.3/58



Right In: 0.000+/-0.000 χ^2/NDF: 30.2/31

Left Out: 0.000+/-0.000 χ^2/NDF:21.8/24

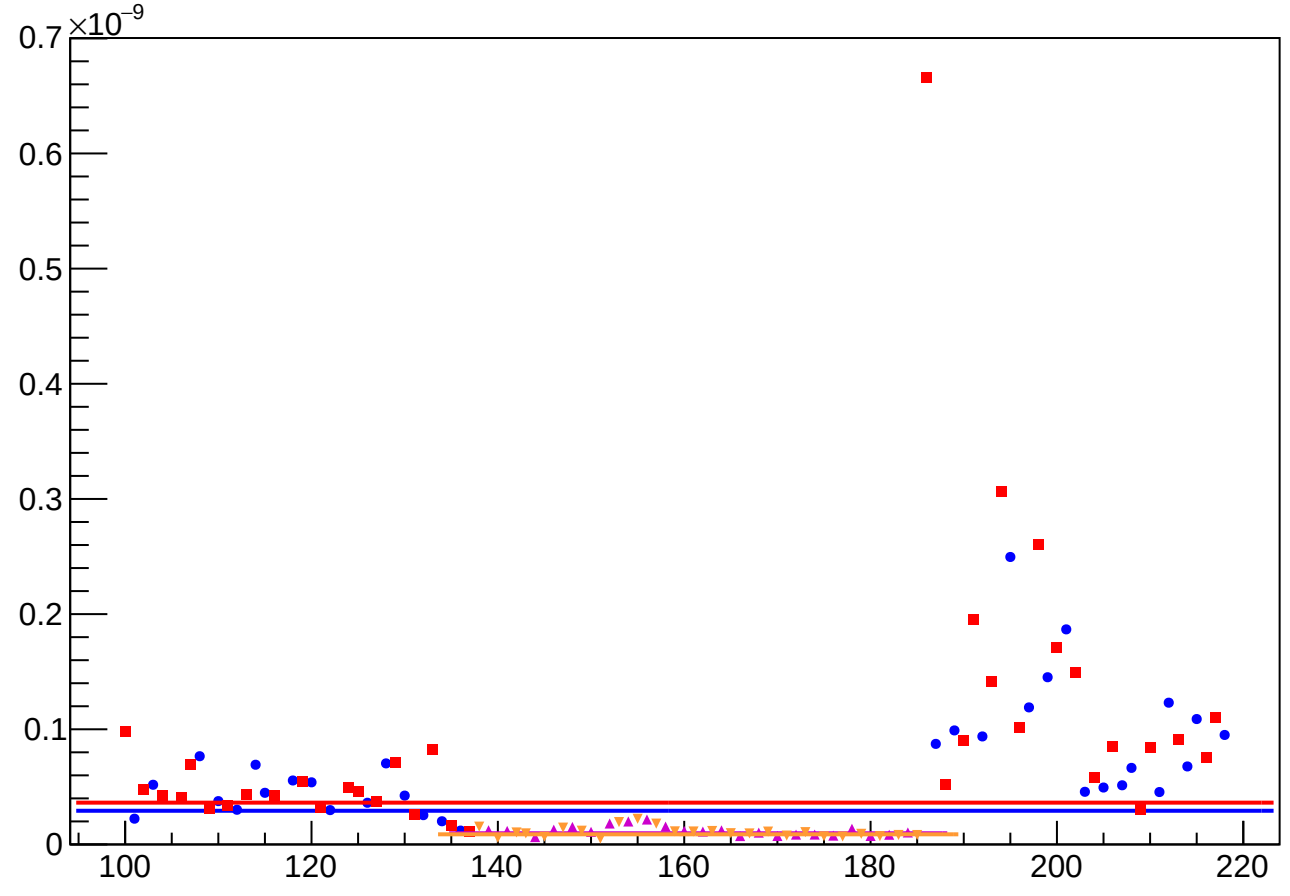
Right Out: -0.000+/-0.000 χ^2/NDF: 22.3/35

Left In: 0.000+/-0.000 χ^2/NDF:15.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 52.0/56

All: 0.000+/-0.000 χ^2/NDF: 93.0/115

- sign 0.000+/-0.000 χ^2/NDF: 40.6/58



Right In: 0.000+/-0.000 χ^2/NDF: 10196905.2/31

Left Out: 0.000+/-0.000 χ^2/NDF:2517075.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9872059.8/35

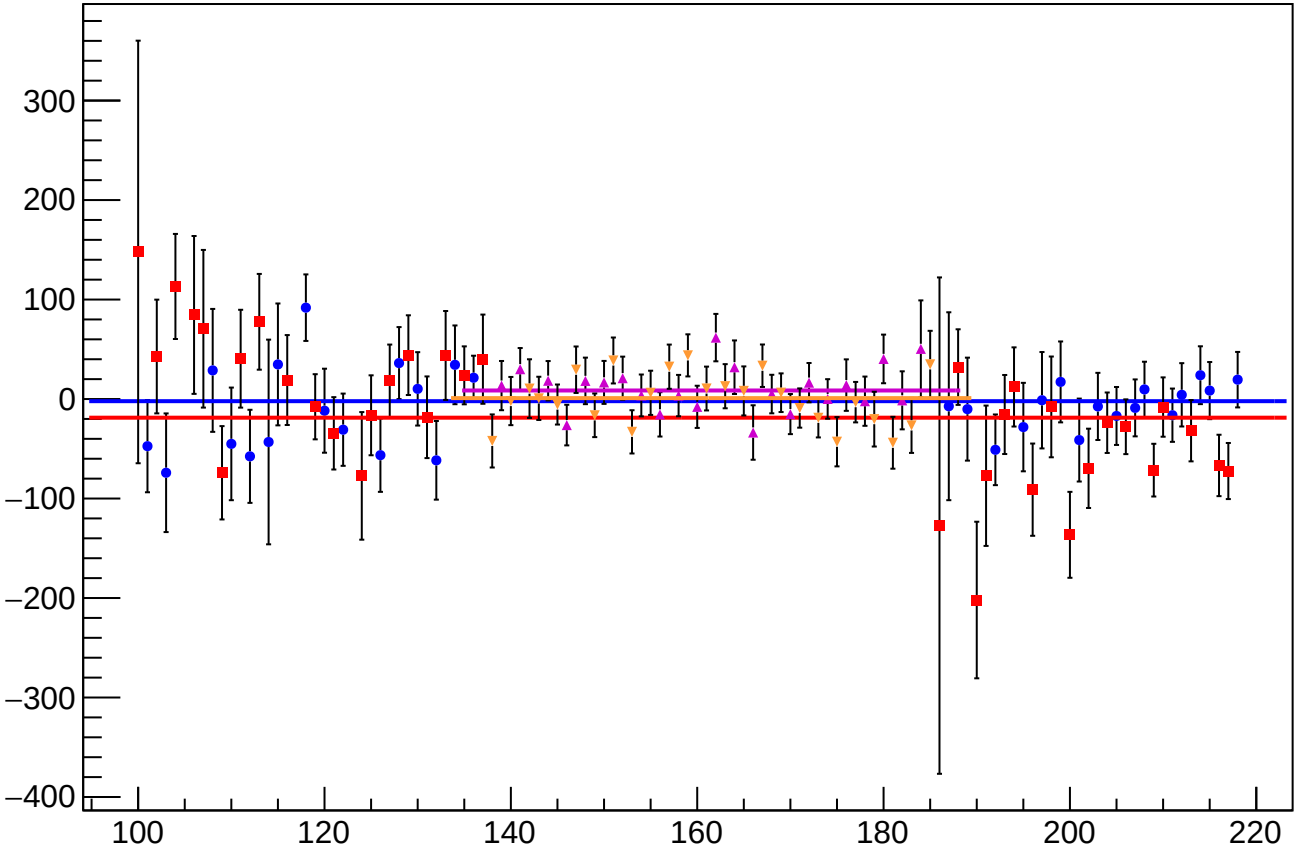
Left In: 0.000+/-0.000 χ^2/NDF:2320113.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 19292739.6/56

All: 0.000+/-0.000 χ^2/NDF: 39734925.3/115

- sign 0.000+/-0.000 χ^2/NDF: 20287279.0/58

reg_asym_sam_1357_2468_dd_mean vs Slug



Right In: -2.145+/-6.464 χ^2/NDF: 27.1/31

Left Out: 0.917+/-4.574 χ^2/NDF:29.2/24

Right Out: -18.742+/-6.718 χ^2/NDF: 59.7/35

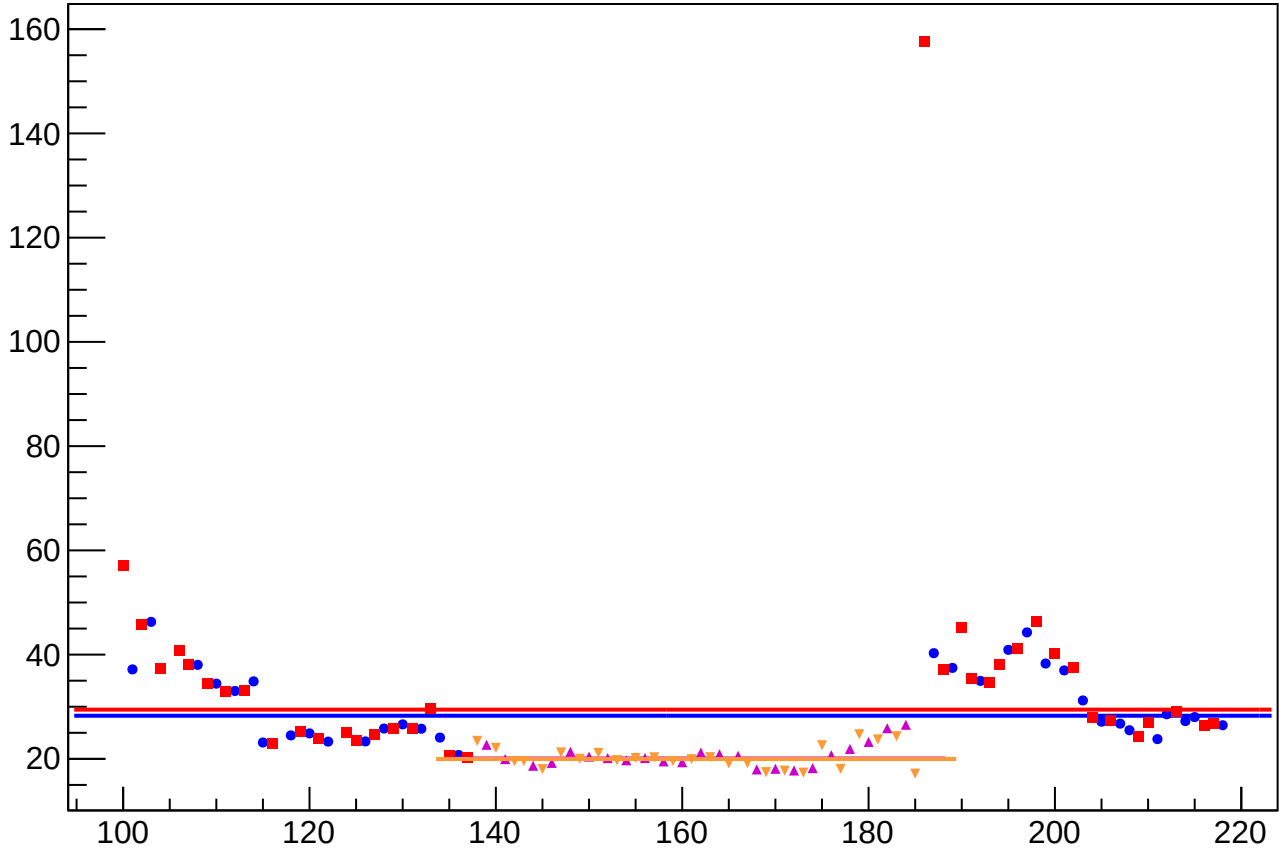
Left In: 8.600+/-4.724 χ^2/NDF:19.4/22

+ sign -0.105+/-3.734 χ^2/NDF: 56.5/56

All: -0.269+/-2.685 χ^2/NDF: 146.6/115

- sign -0.446+/-3.864 χ^2/NDF: 90.1/58

reg_asym_sam_1357_2468_dd_rms vs Slug



Right In: 28.276+/-0.005 χ^2/NDF: 1624443.9/31

Left Out: 19.969+/-0.003 χ^2/NDF:386763.9/24

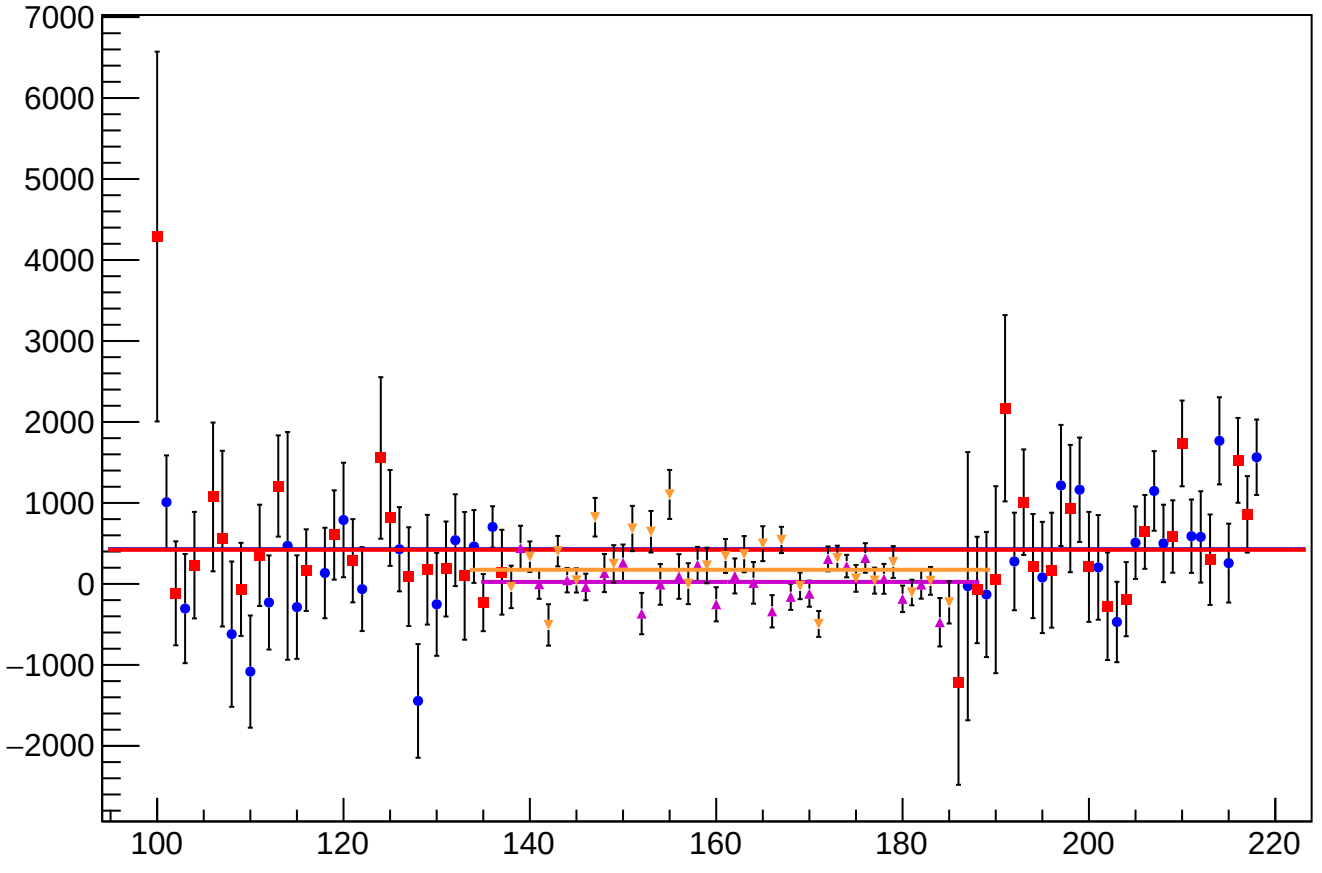
Right Out: 29.447+/-0.005 χ^2/NDF: 2389652.3/35

Left In: 20.072+/-0.003 χ^2/NDF:301705.2/22

+ sign 22.740+/-0.003 χ^2/NDF: 4212048.7/56

All: 22.950+/-0.002 χ^2/NDF: 9522789.7/115

- sign 23.174+/-0.003 χ^2/NDF: 5297689.7/58



Right In: 428.639+/-96.977 χ^2/NDF: 43.1/31

Left Out: 174.693+/-39.049 χ^2/NDF:71.2/24

Right Out: 421.859+/-101.113 χ^2/NDF: 34.1/35

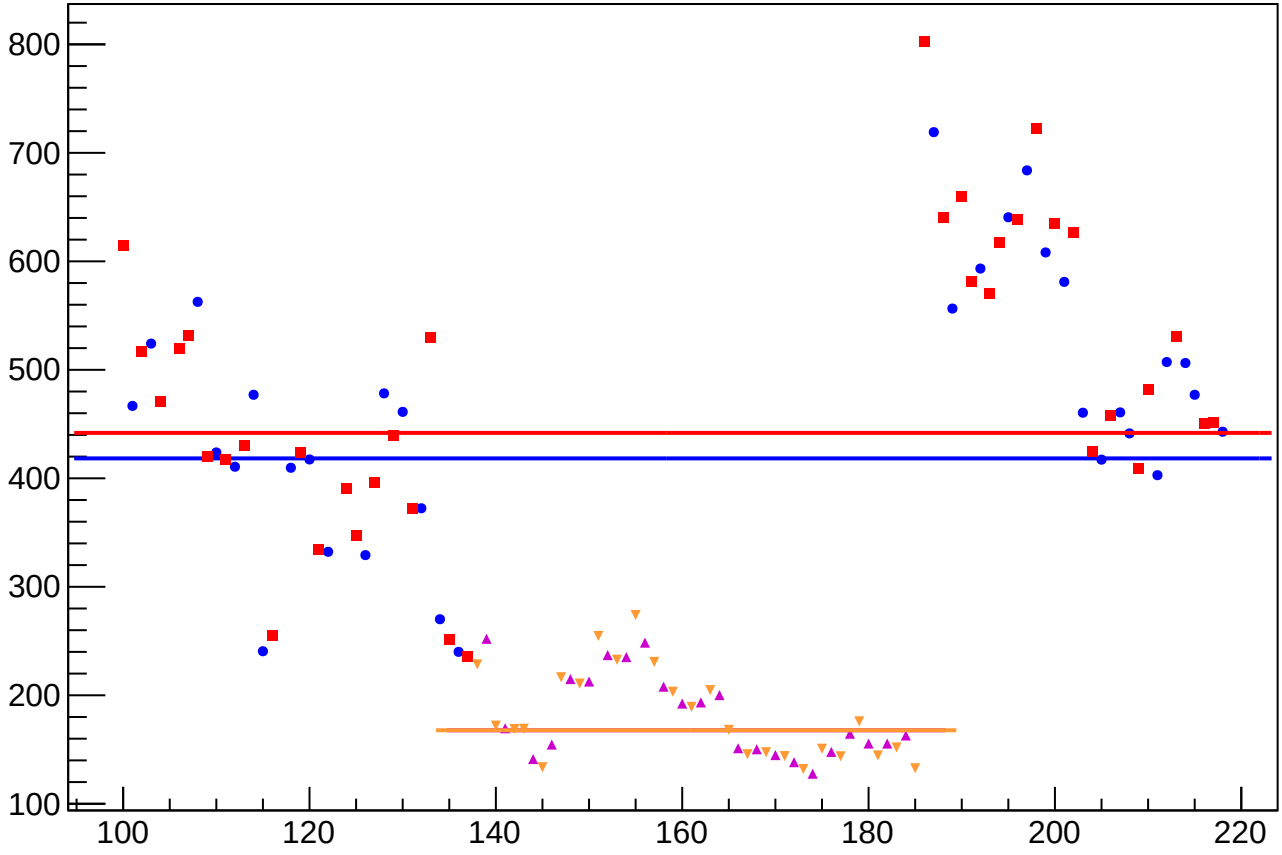
Left In: 24.589+/-40.070 χ^2/NDF:26.9/22

+ sign 210.122+/-36.223 χ^2/NDF: 120.3/56

All: 146.160+/-25.970 χ^2/NDF: 201.0/115

- sign 78.511+/-37.252 χ^2/NDF: 74.4/58

asym_sam_1357_2468_dd_reg_correction_rms vs Slug



Right In: 418.357+/-0.069 χ^2/NDF: 2852368.8/31

Left Out: 167.754+/-0.028 χ^2/NDF:1578232.9/24

Right Out: 441.867+/-0.071 χ^2/NDF: 2933010.3/35

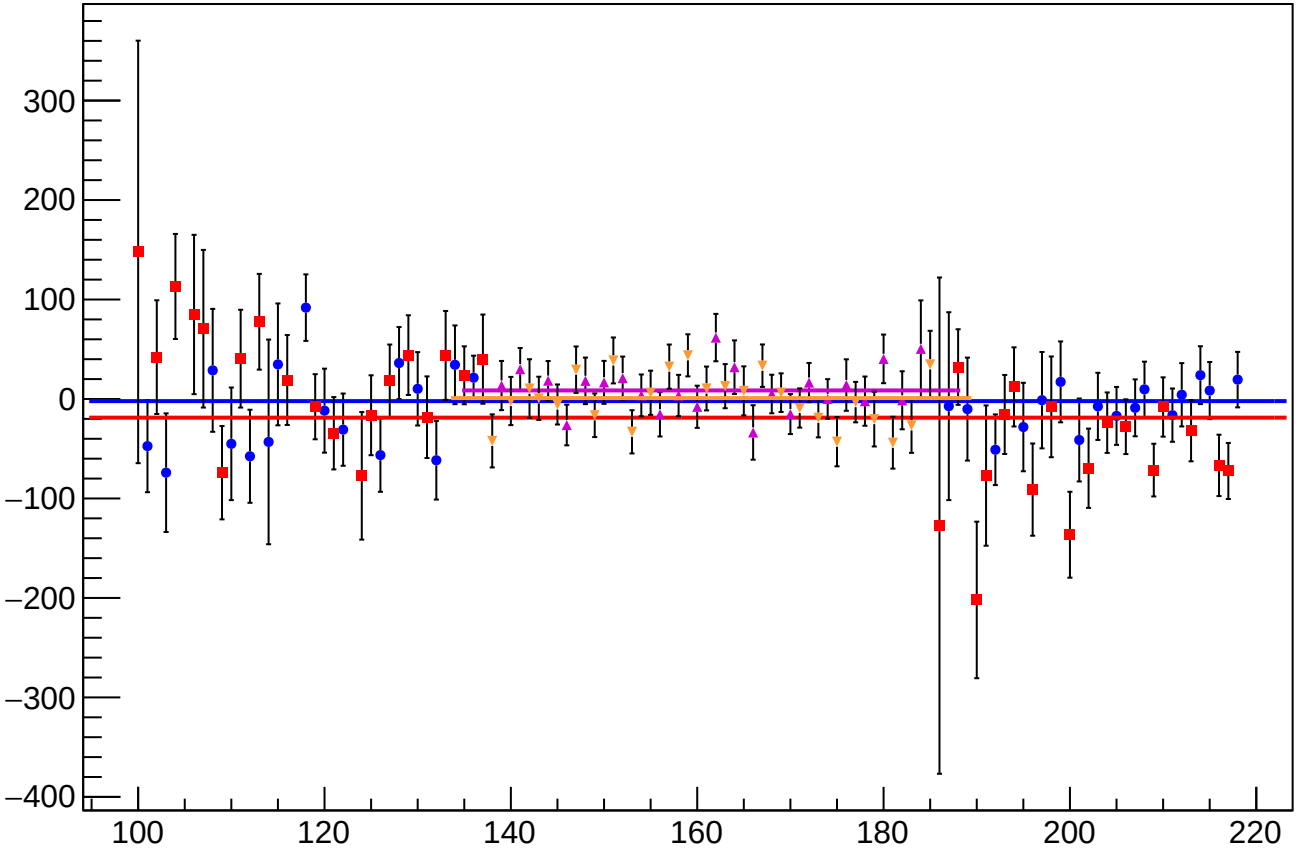
Left In: 167.748+/-0.028 χ^2/NDF:1403124.0/22

+ sign 202.718+/-0.026 χ^2/NDF: 15922855.9/56

All: 203.805+/-0.018 χ^2/NDF: 32966845.9/11

- sign 204.955+/-0.026 χ^2/NDF: 17040281.7/58

cor_asym_sam_1357_2468_dd_mean vs Slug



Right In: -2.143+/-6.464 χ^2/NDF: 27.1/31

Left Out: 0.915+/-4.574 χ^2/NDF:29.2/24

Right Out: -18.762+/-6.718 χ^2/NDF: 59.6/35

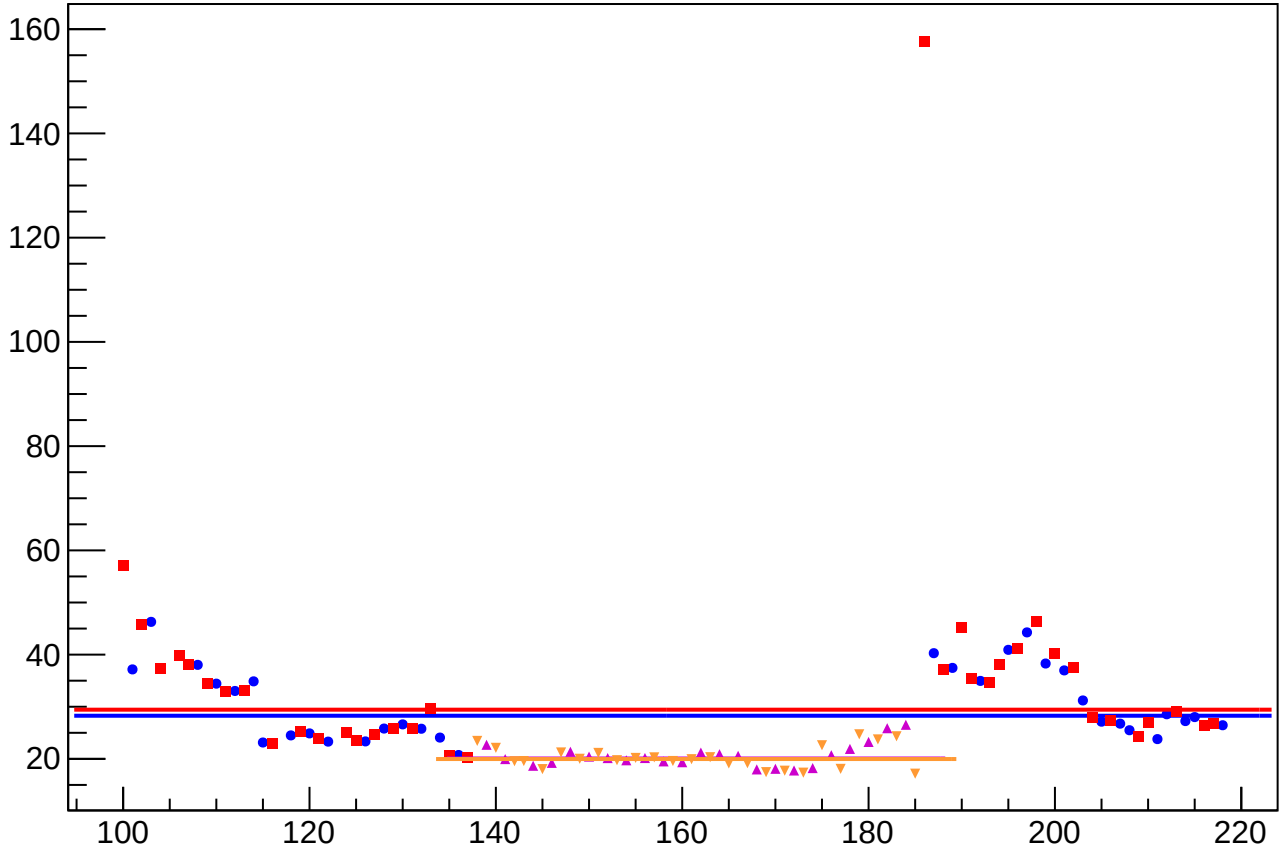
Left In: 8.600+/-4.724 χ^2/NDF:19.4/22

+ sign -0.105+/-3.734 χ^2/NDF: 56.5/56

All: -0.273+/-2.685 χ^2/NDF: 146.6/115

- sign -0.452+/-3.864 χ^2/NDF: 90.1/58

cor_asym_sam_1357_2468_dd_rms vs Slug



Right In: 28.276+/-0.005 χ^2/NDF: 1624447.2/31

Left Out: 19.969+/-0.003 χ^2/NDF:386763.9/24

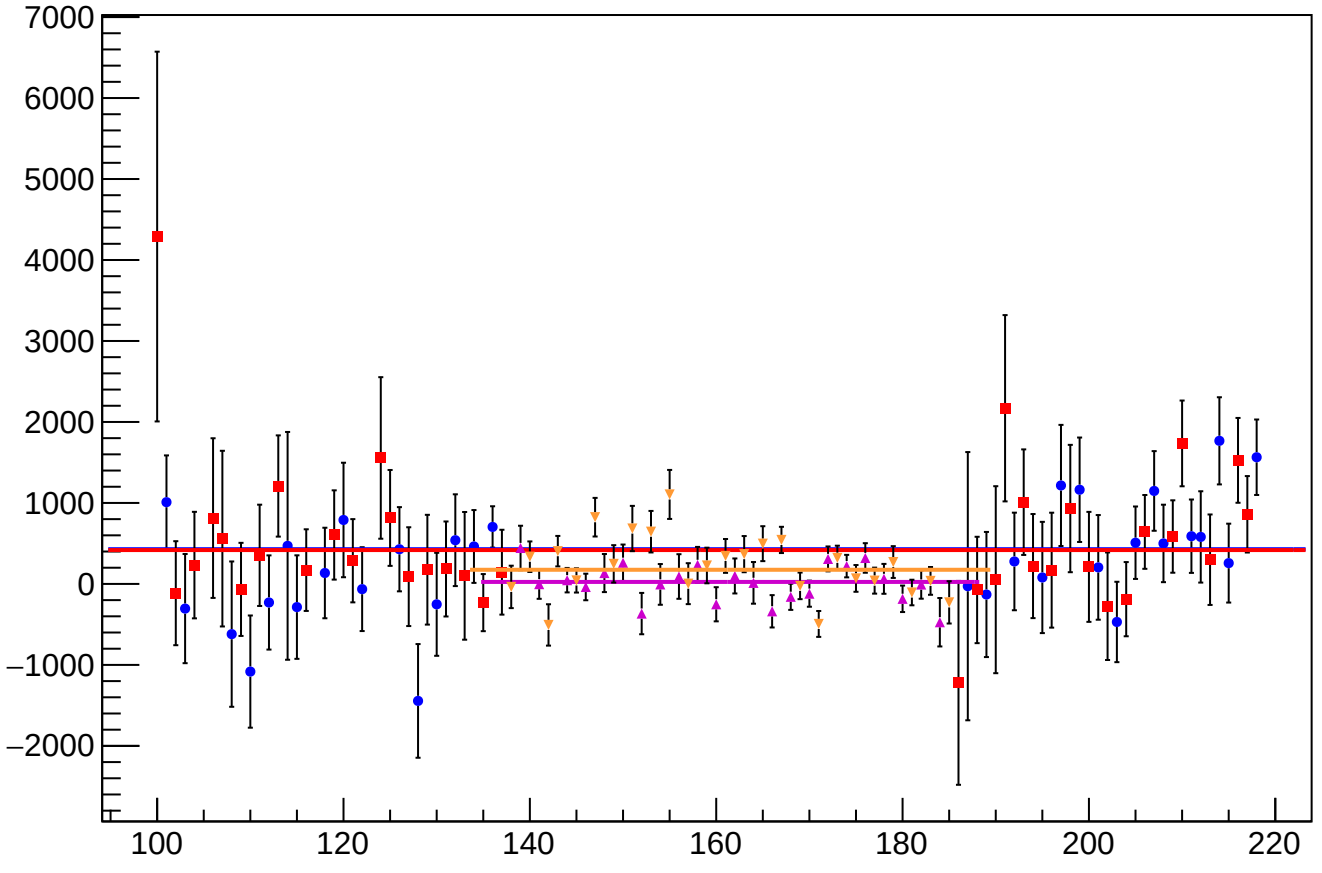
Right Out: 29.438+/-0.005 χ^2/NDF: 2381793.2/35

Left In: 20.072+/-0.003 χ^2/NDF:301705.2/22

+ sign 22.740+/-0.003 χ^2/NDF: 4212052.0/56

All: 22.948+/-0.002 χ^2/NDF: 9509458.4/115

- sign 23.171+/-0.003 χ^2/NDF: 5284552.4/58



Right In: 428.636+/-96.977 χ^2/NDF: 43.1/31

Left Out: 174.691+/-39.049 χ^2/NDF:71.2/24

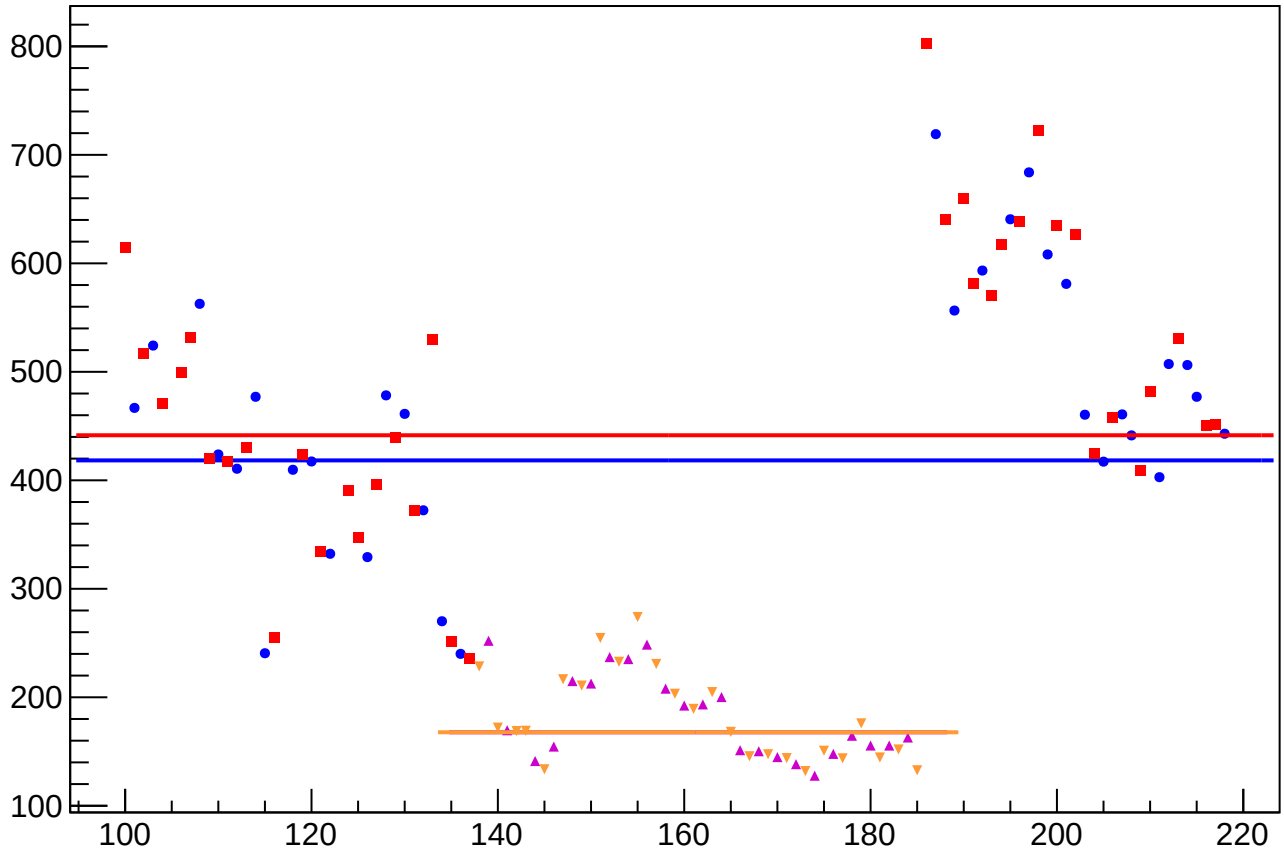
Right Out: 418.115+/-101.195 χ^2/NDF: 33.8/35

Left In: 24.590+/-40.070 χ^2/NDF:26.9/22

+ sign 210.120+/-36.223 χ^2/NDF: 120.3/56

All: 145.883+/-25.971 χ^2/NDF: 200.5/115

- sign 77.929+/-37.256 χ^2/NDF: 73.7/58



Right In: 418.357+/-0.069 χ^2/NDF: 2852393.4/31

Left Out: 167.754+/-0.028 χ^2/NDF:1578231.3/24

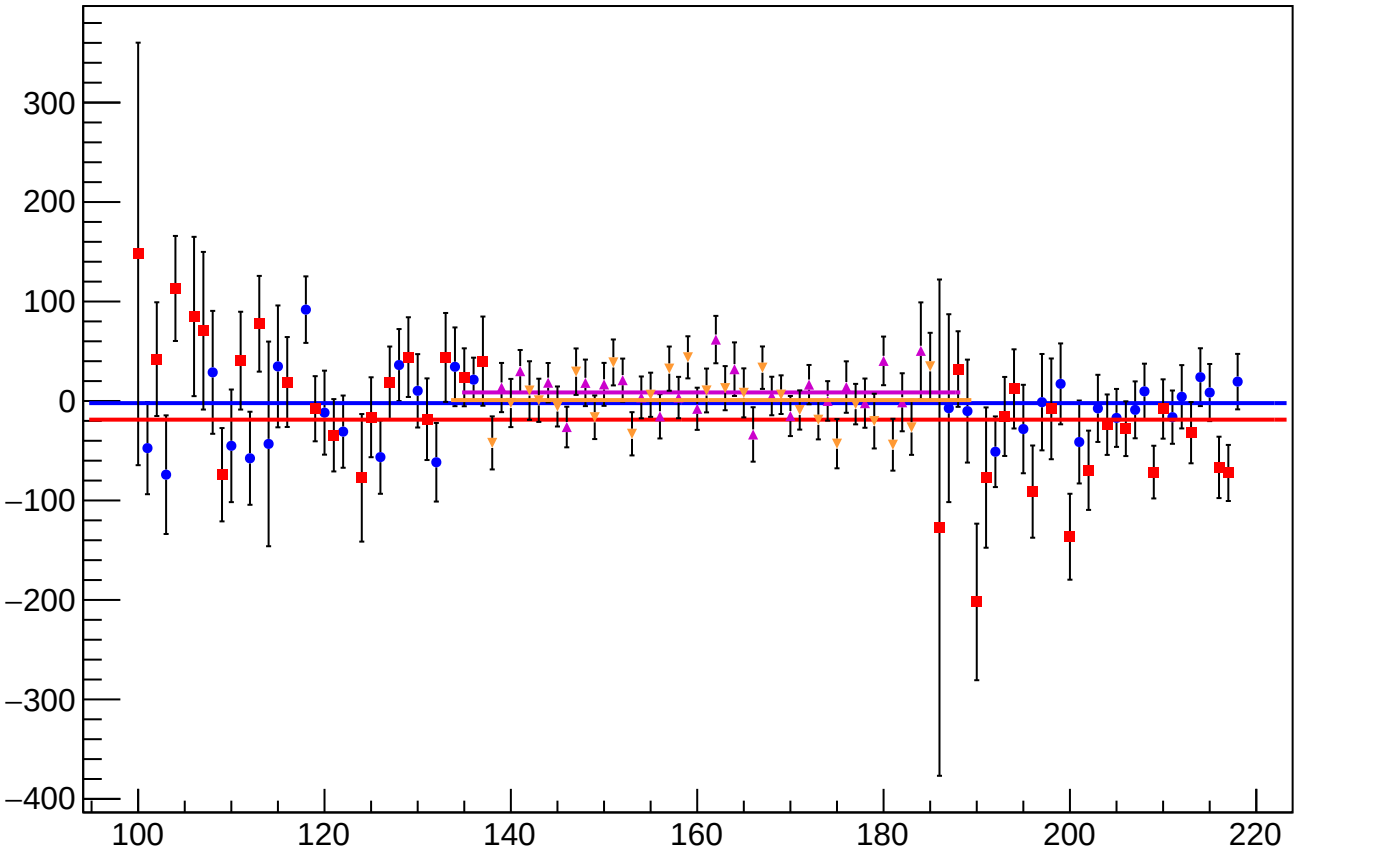
Right Out: 441.533+/-0.072 χ^2/NDF: 2925560.9/35

Left In: 167.748+/-0.028 χ^2/NDF:1403120.1/22

+ sign 202.717+/-0.026 χ^2/NDF: 15922881.7/56

All: 203.757+/-0.018 χ^2/NDF: 32910384.2/11

- sign 204.858+/-0.026 χ^2/NDF: 16984109.8/58



Right In: -2.143+/-6.464 χ^2/NDF: 27.1/31

Left Out: 0.915+/-4.574 χ^2/NDF:29.2/24

Right Out: -18.762+/-6.718 χ^2/NDF: 59.6/35

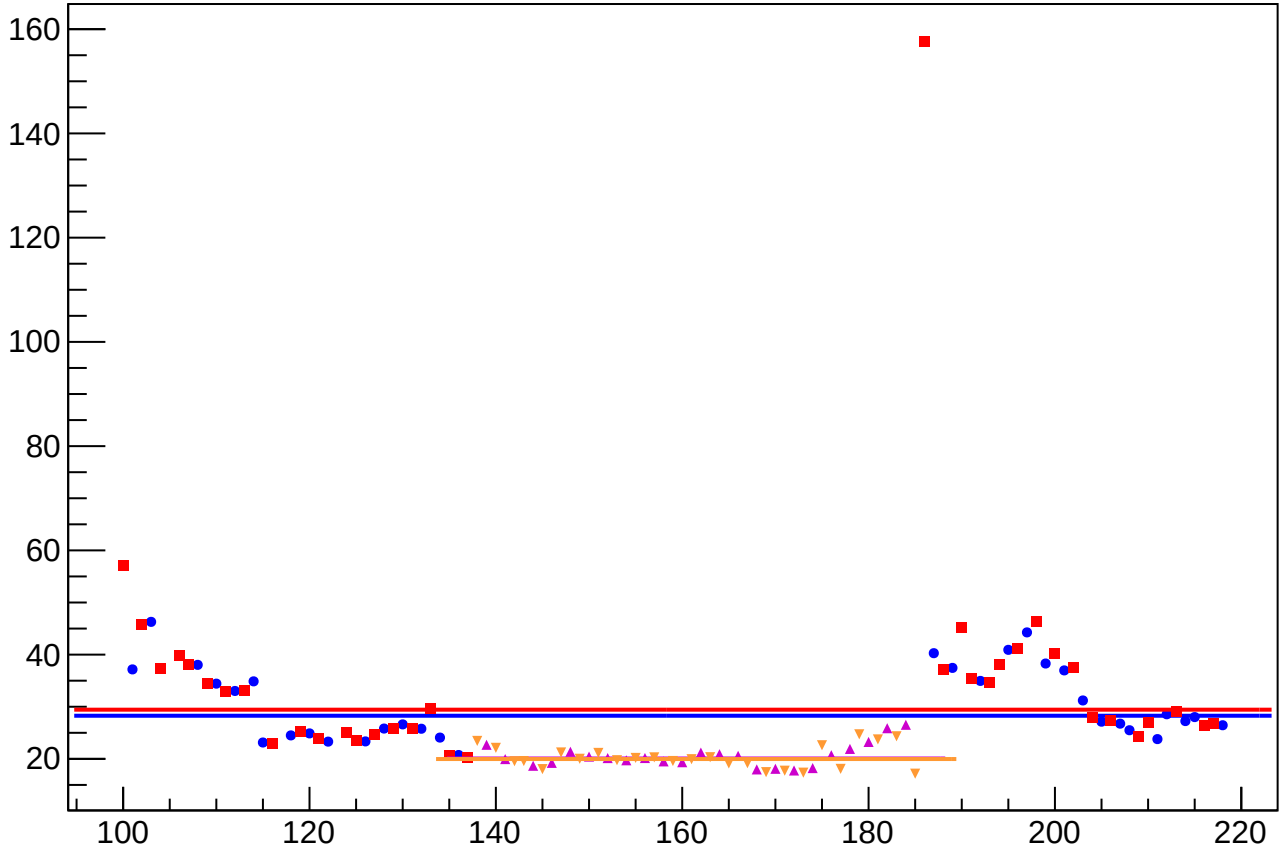
Left In: 8.600+/-4.724 χ^2/NDF:19.4/22

+ sign -0.105+/-3.734 χ^2/NDF: 56.5/56

All: -0.273+/-2.685 χ^2/NDF: 146.6/115

- sign -0.452+/-3.864 χ^2/NDF: 90.1/58

eigen_cor_asym_sam_1357_2468_dd_rms vs Slug



Right In: 28.276+/-0.005 χ^2/NDF: 1624447.2/31

Left Out: 19.969+/-0.003 χ^2/NDF:386763.9/24

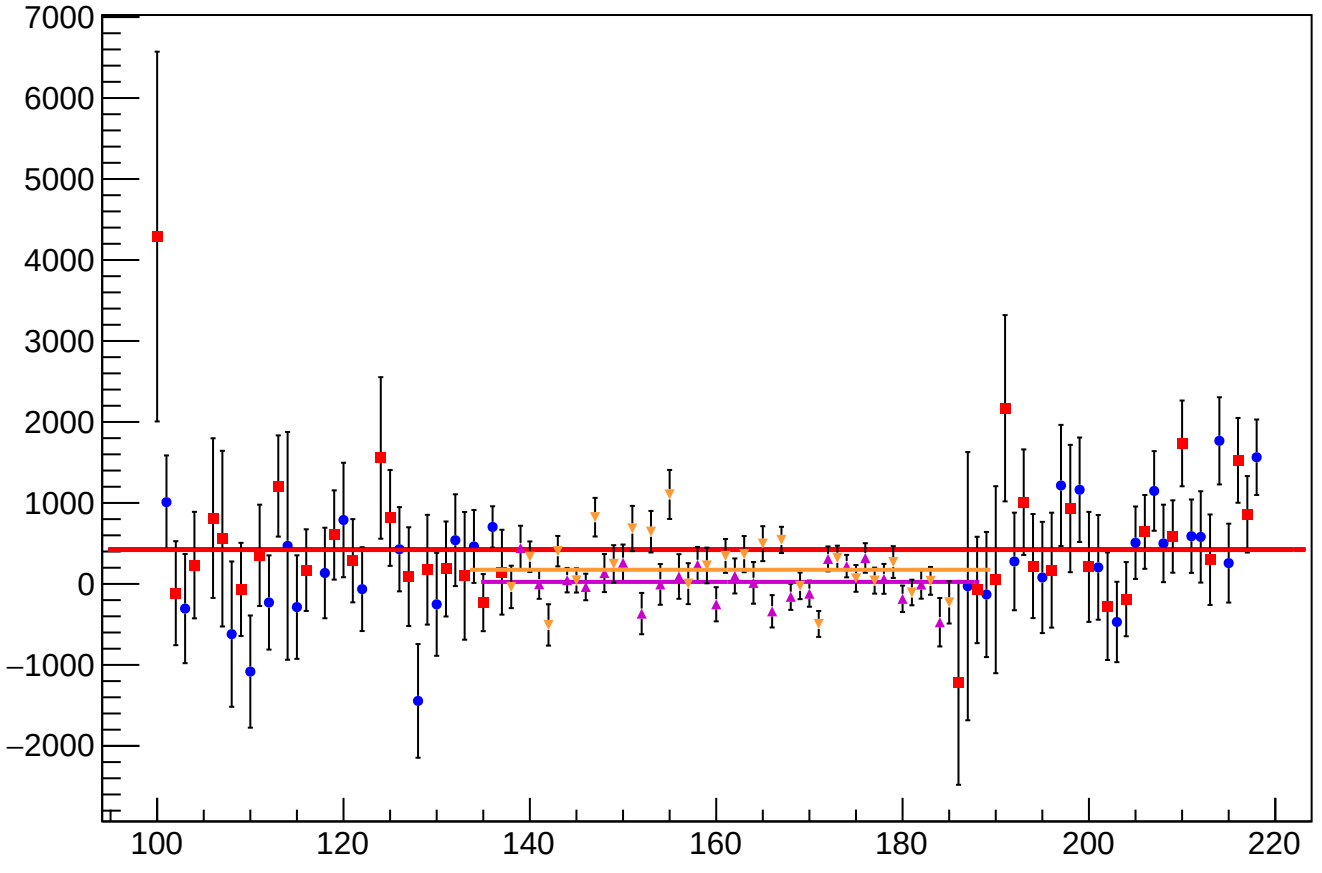
Right Out: 29.438+/-0.005 χ^2/NDF: 2381793.2/35

Left In: 20.072+/-0.003 χ^2/NDF:301705.2/22

+ sign 22.740+/-0.003 χ^2/NDF: 4212052.0/56

All: 22.948+/-0.002 χ^2/NDF: 9509458.4/115

- sign 23.171+/-0.003 χ^2/NDF: 5284552.4/58



Right In: 428.636+/-96.977 χ^2/NDF: 43.1/31

Left Out: 174.691+/-39.049 χ^2/NDF:71.2/24

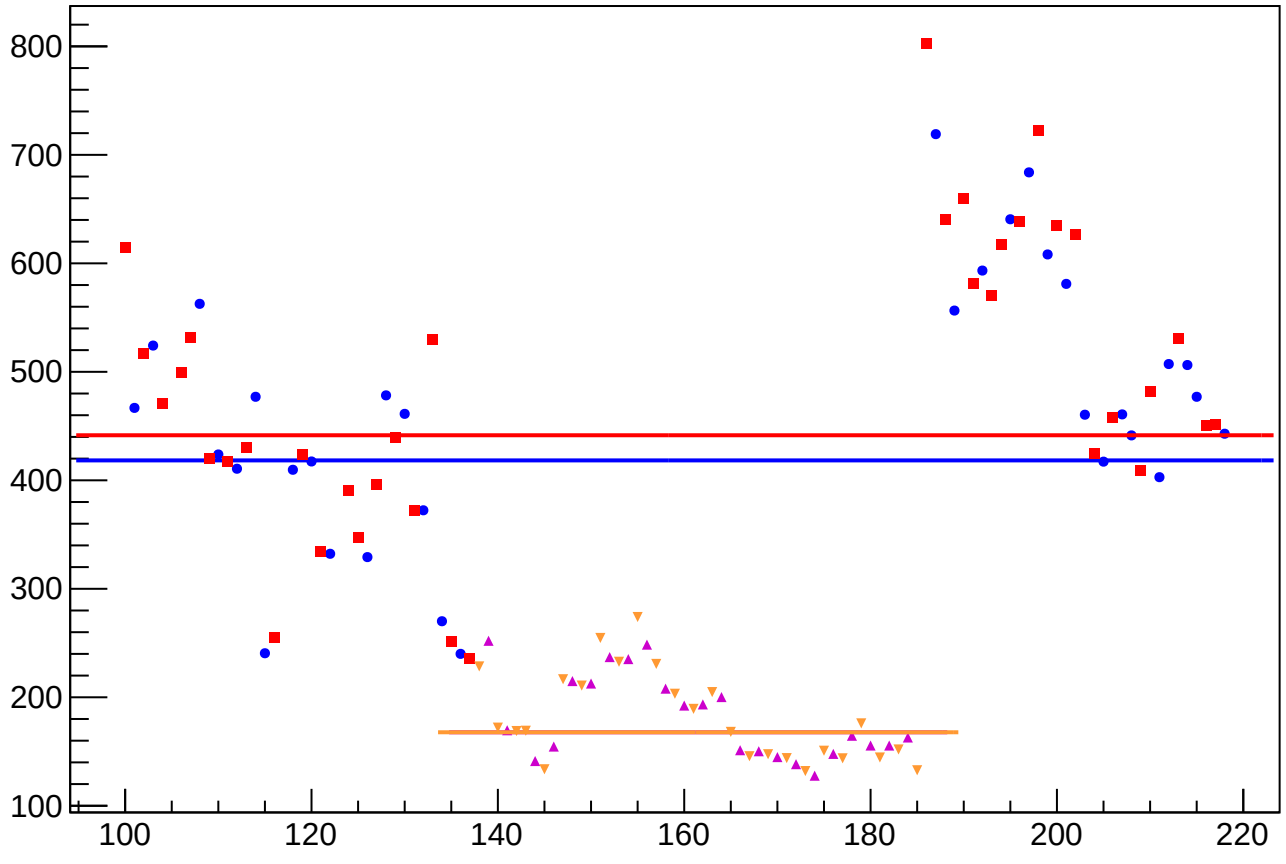
Right Out: 418.115+/-101.195 χ^2/NDF: 33.8/35

Left In: 24.590+/-40.070 χ^2/NDF:26.9/22

\+ sign 210.120+/-36.223 χ^2/NDF: 120.3/56

All: 145.883+/-25.971 χ^2/NDF: 200.5/115

\- sign 77.929+/-37.256 χ^2/NDF: 73.7/58



Right In: 418.357+/-0.069 χ^2/NDF: 2852393.4/31

Left Out: 167.754+/-0.028 χ^2/NDF:1578231.3/24

Right Out: 441.533+/-0.072 χ^2/NDF: 2925560.9/35

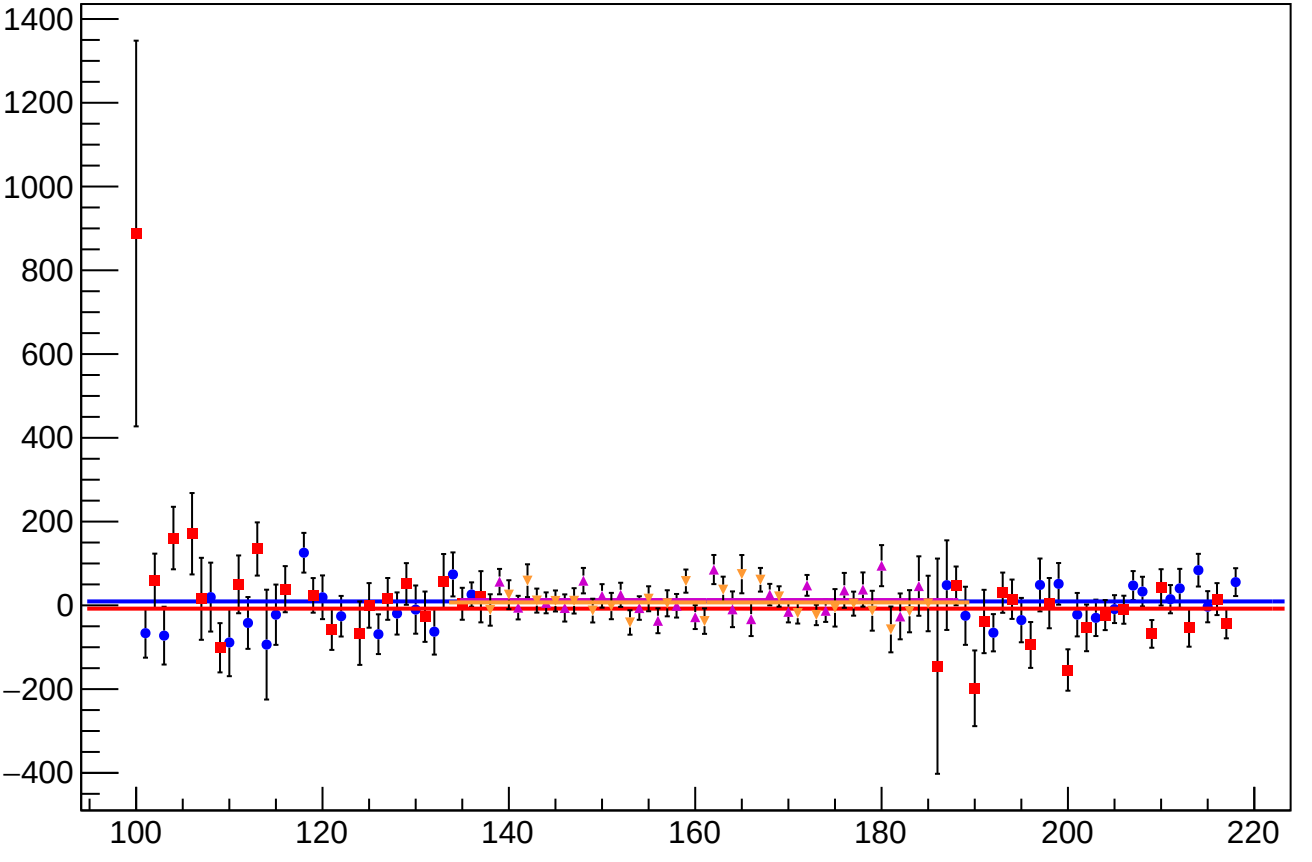
Left In: 167.748+/-0.028 χ^2/NDF:1403120.1/22

+ sign 202.717+/-0.026 χ^2/NDF: 15922881.7/56

All: 203.757+/-0.018 χ^2/NDF: 32910384.2/11

- sign 204.858+/-0.026 χ^2/NDF: 16984109.8/58

dit_asym_sam_1357_2468_dd_mean vs Slug



Right In: 9.399+/-8.318 χ^2/NDF: 33.7/31

Left Out: 7.079+/-6.333 χ^2/NDF:22.7/24

Right Out: -7.849+/-8.570 χ^2/NDF: 54.0/35

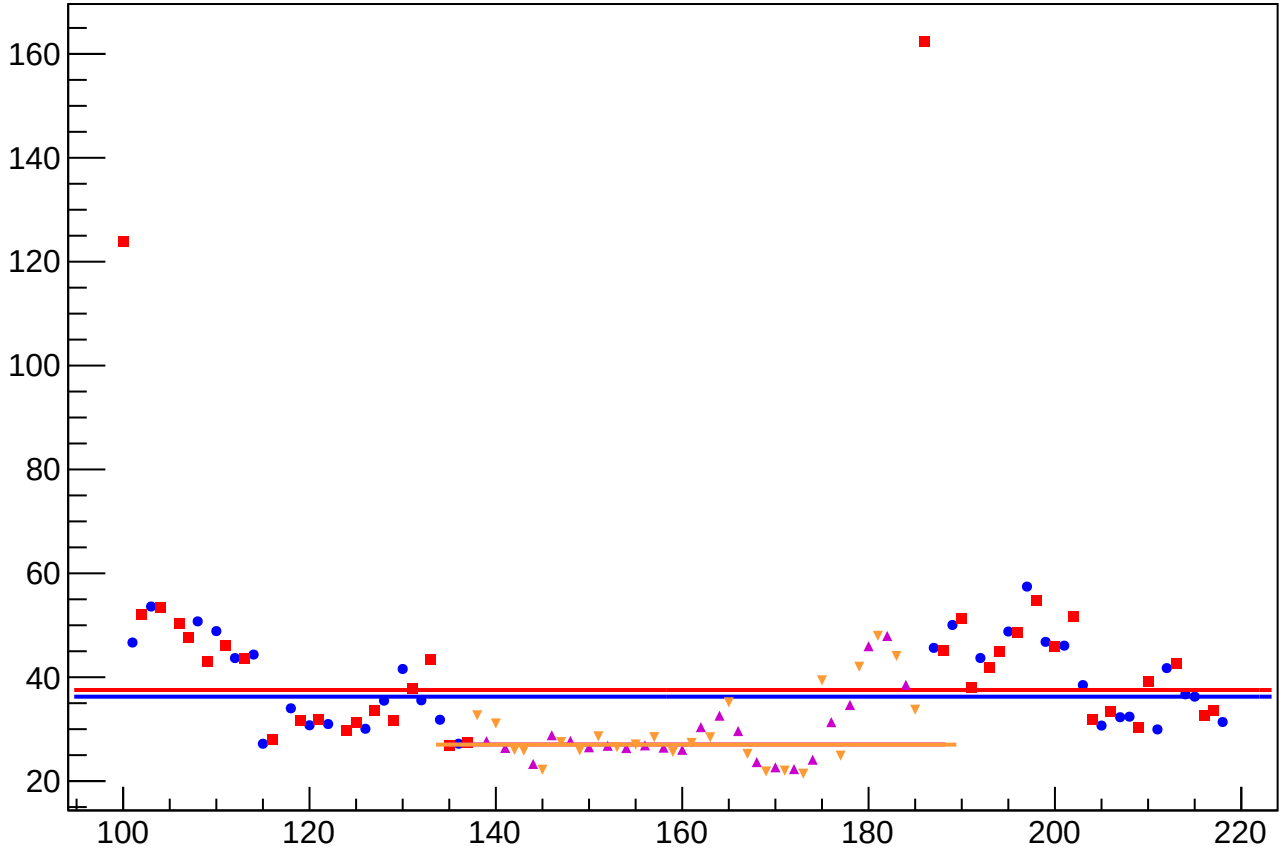
Left In: 12.697+/-6.513 χ^2/NDF:25.6/22

+ sign 7.930+/-5.039 χ^2/NDF: 56.5/56

All: 6.592+/-3.614 χ^2/NDF: 139.9/115

- sign 5.175+/-5.186 χ^2/NDF: 83.3/58

dit_asym_sam_1357_2468_dd_rms vs Slug



Right In: 36.254+/-0.006 χ^2/NDF: 1582427.3/31

Left Out: 27.026+/-0.004 χ^2/NDF:1430523.7/24

Right Out: 37.542+/-0.006 χ^2/NDF: 2162024.1/35

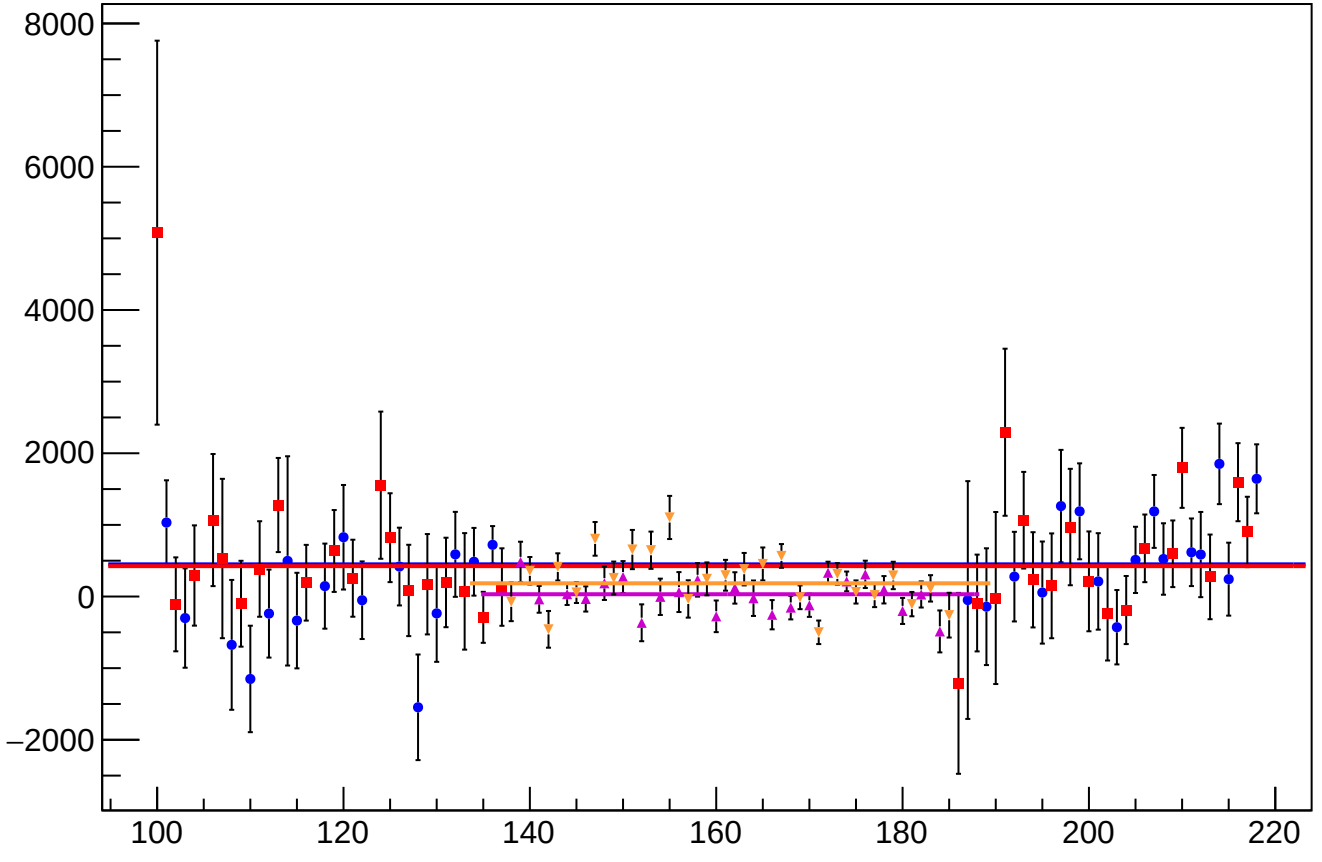
Left In: 27.052+/-0.005 χ^2/NDF:1044359.4/22

+ sign 30.413+/-0.004 χ^2/NDF: 4571130.1/56

All: 30.646+/-0.003 χ^2/NDF: 9685593.1/115

- sign 30.893+/-0.004 χ^2/NDF: 5105649.0/58

asym_sam_1357_2468_dd_dit_correction_mean vs Slug



Right In: 449.039+/-100.918 χ^2/NDF: 43.0/31

Left Out: 184.675+/-39.832 χ^2/NDF:67.7/24

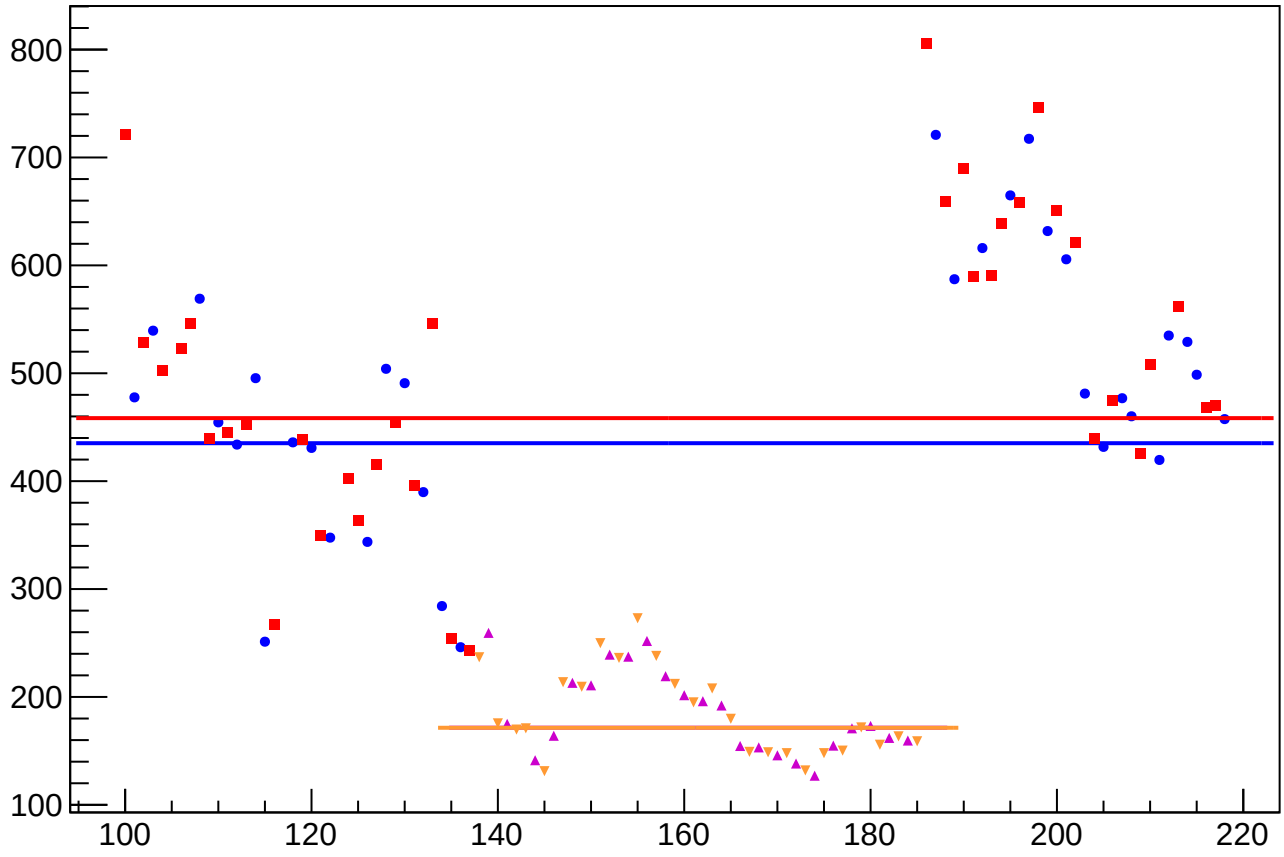
Right Out: 424.063+/-104.864 χ^2/NDF: 35.2/35

Left In: 31.891+/-40.975 χ^2/NDF:26.4/22

+ sign 220.308+/-37.050 χ^2/NDF: 116.6/56

All: 154.094+/-26.584 χ^2/NDF: 196.9/115

- sign 83.837+/-38.165 χ^2/NDF: 73.7/58



Right In: 435.182+/-0.071 χ^2/NDF: 2903364.5/31

Left Out: 171.427+/-0.028 χ^2/NDF:1526852.0/24

Right Out: 458.420+/-0.074 χ^2/NDF: 2921219.7/35

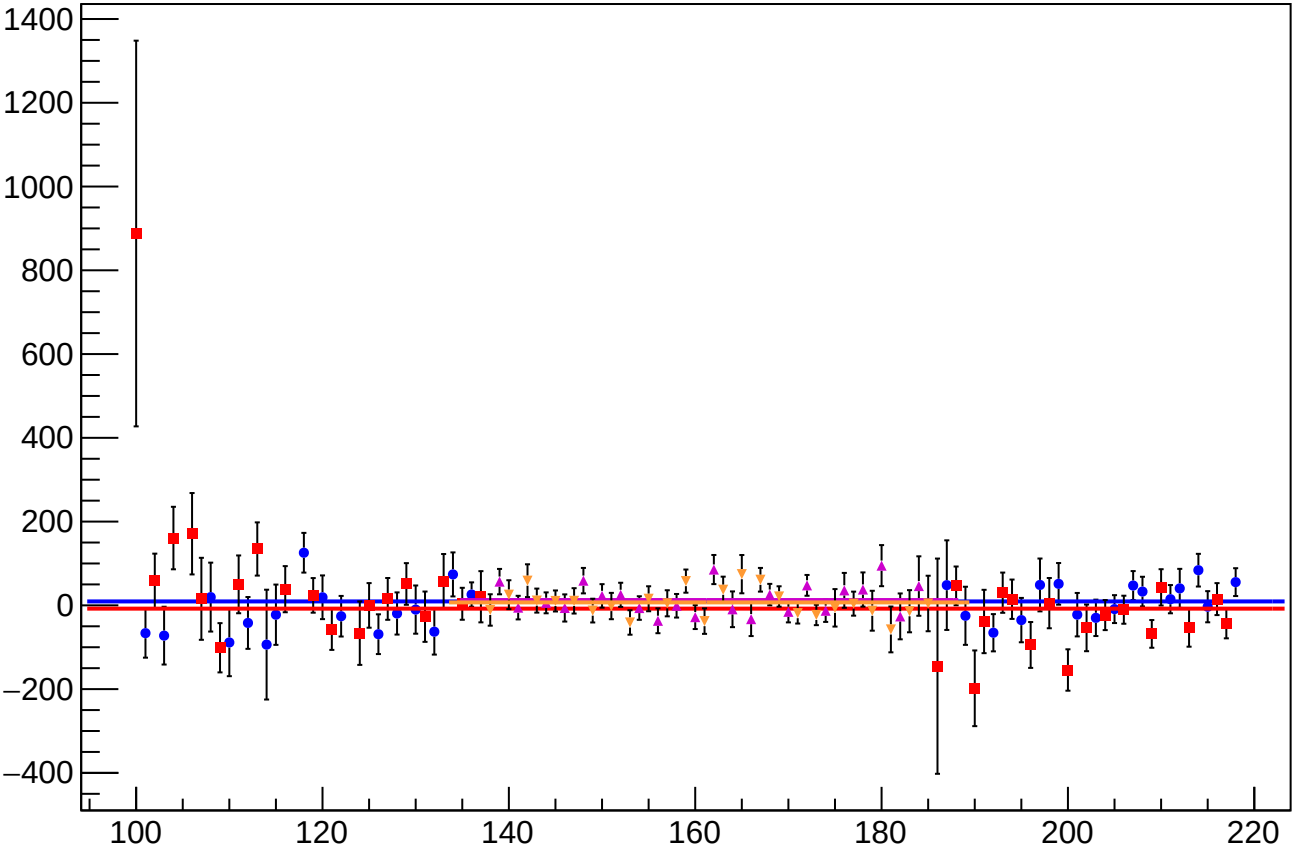
Left In: 171.490+/-0.029 χ^2/NDF:1415769.4/22

+ sign 206.978+/-0.026 χ^2/NDF: 16250355.1/56

All: 208.200+/-0.019 χ^2/NDF: 33582218.1/11

- sign 209.496+/-0.027 χ^2/NDF: 17327381.6/58

eigen_dit_asym_sam_1357_2468_dd_mean vs Slug



Right In: 9.397+/-8.318 χ^2/NDF: 33.7/31

Left Out: 7.079+/-6.333 χ^2/NDF:22.7/24

Right Out: -7.849+/-8.570 χ^2/NDF: 54.0/35

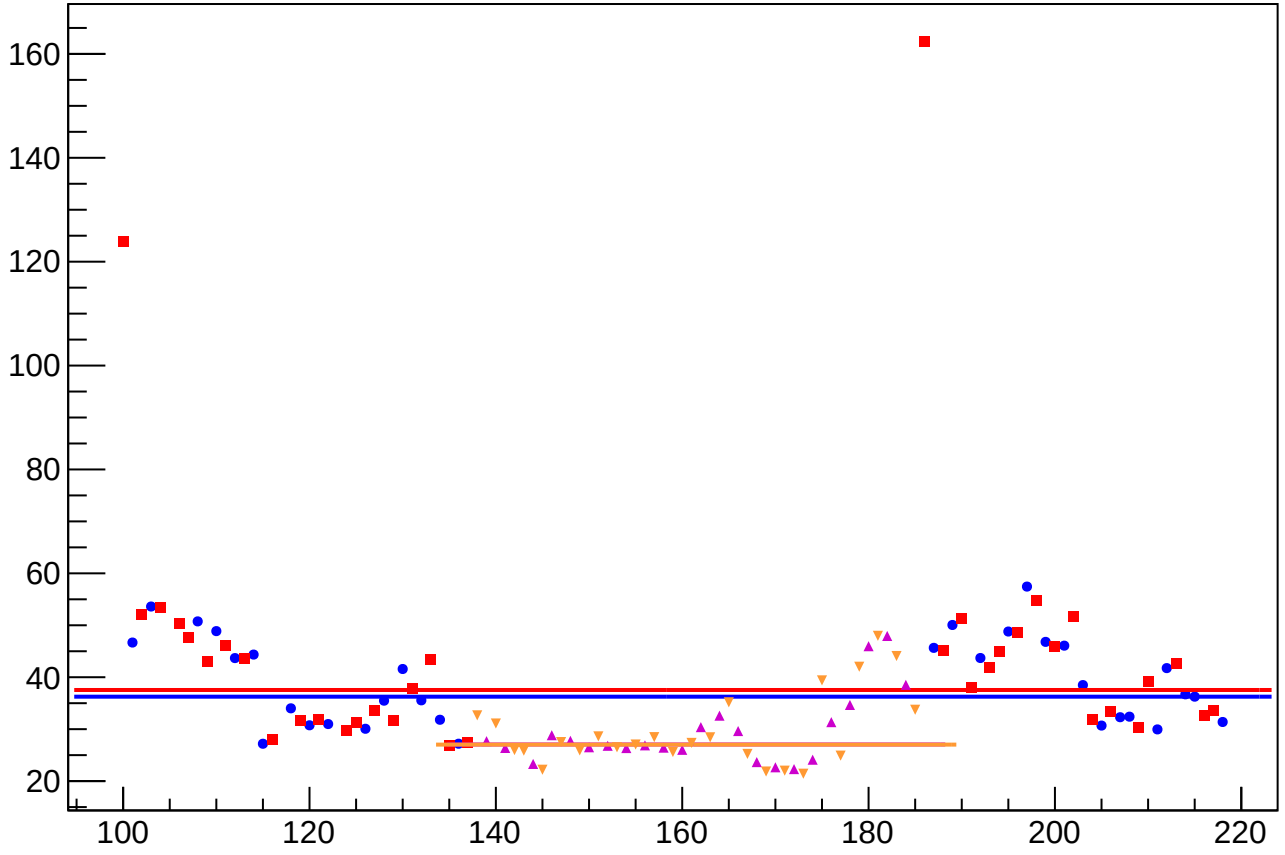
Left In: 12.697+/-6.513 χ^2/NDF:25.6/22

+ sign 7.930+/-5.039 χ^2/NDF: 56.5/56

All: 6.592+/-3.614 χ^2/NDF: 139.9/115

- sign 5.175+/-5.186 χ^2/NDF: 83.3/58

eigen_dit_asym_sam_1357_2468_dd_rms vs Slug



Right In: 36.254+/-0.006 χ^2/NDF: 1582404.7/31

Left Out: 27.026+/-0.004 χ^2/NDF:1430534.9/24

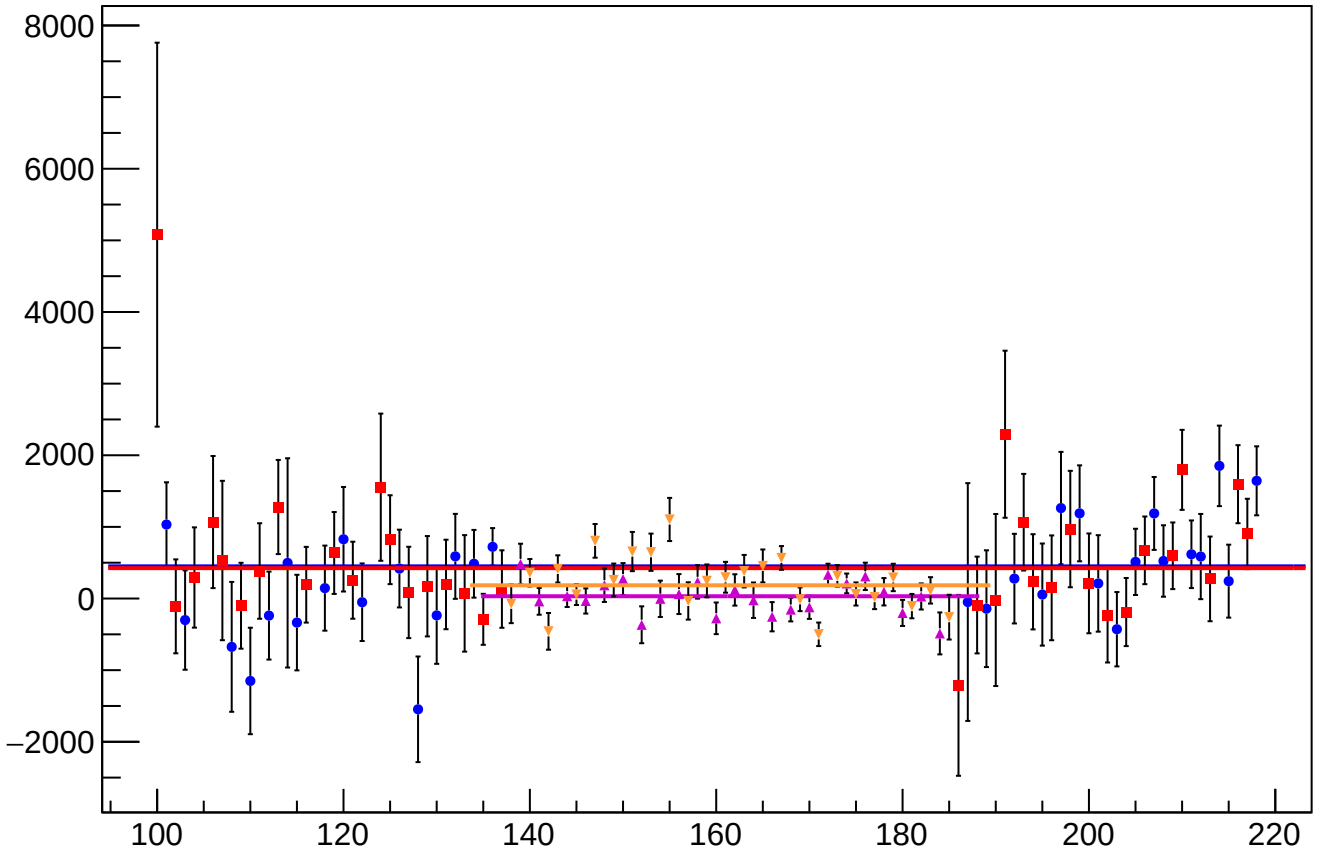
Right Out: 37.542+/-0.006 χ^2/NDF: 2161985.3/35

Left In: 27.052+/-0.005 χ^2/NDF:1044338.2/22

+ sign 30.413+/-0.004 χ^2/NDF: 4571020.0/56

All: 30.646+/-0.003 χ^2/NDF: 9685388.2/115

- sign 30.893+/-0.004 χ^2/NDF: 5105553.1/58



Right In: 449.037+/-100.917 χ^2/NDF: 43.0/31

Left Out: 184.674+/-39.832 χ^2/NDF:67.7/24

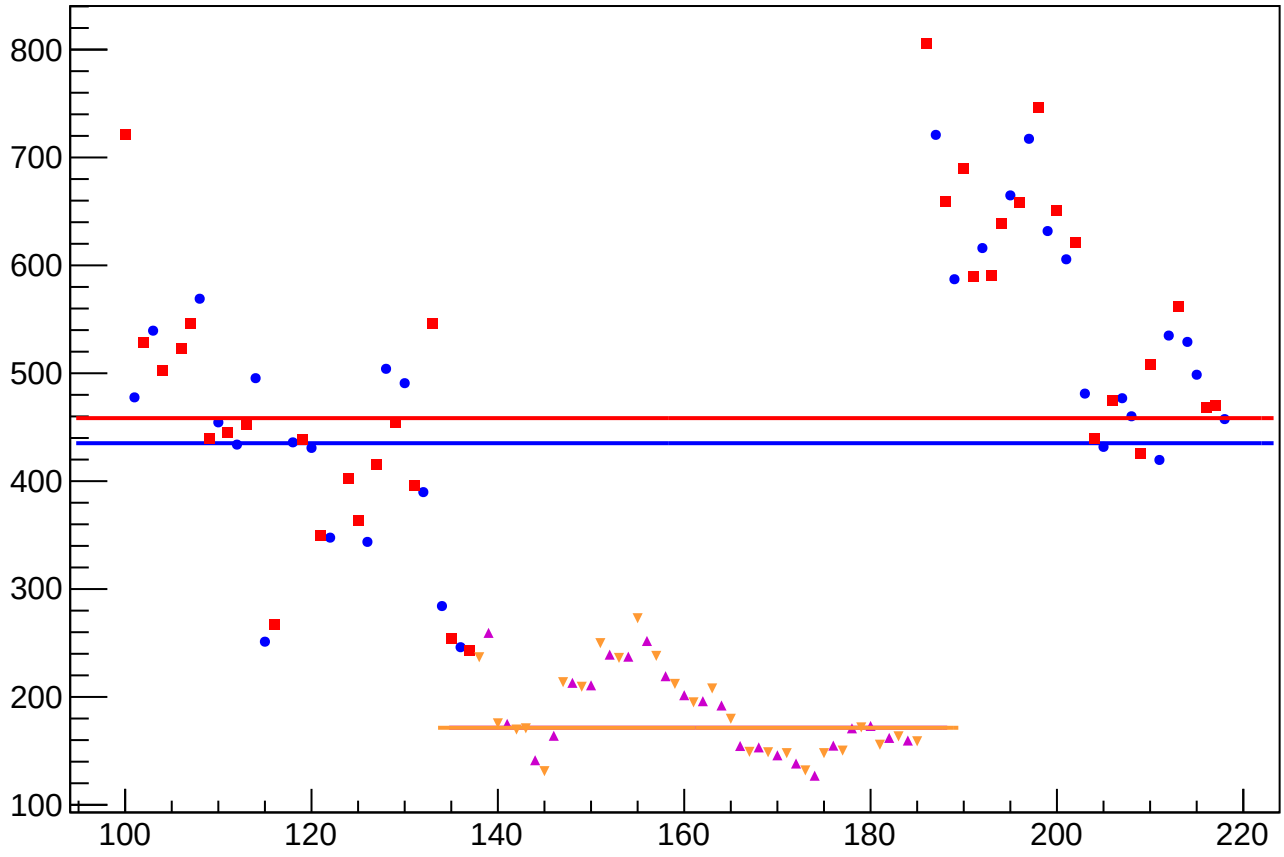
Right Out: 424.061+/-104.864 χ^2/NDF: 35.2/35

Left In: 31.891+/-40.975 χ^2/NDF:26.4/22

+ sign 220.307+/-37.050 χ^2/NDF: 116.6/56

All: 154.093+/-26.584 χ^2/NDF: 196.9/115

- sign 83.837+/-38.165 χ^2/NDF: 73.7/58



Right In: 435.182+/-0.071 χ^2/NDF: 2903373.1/31

Left Out: 171.426+/-0.028 χ^2/NDF:1526868.9/24

Right Out: 458.420+/-0.074 χ^2/NDF: 2921231.6/35

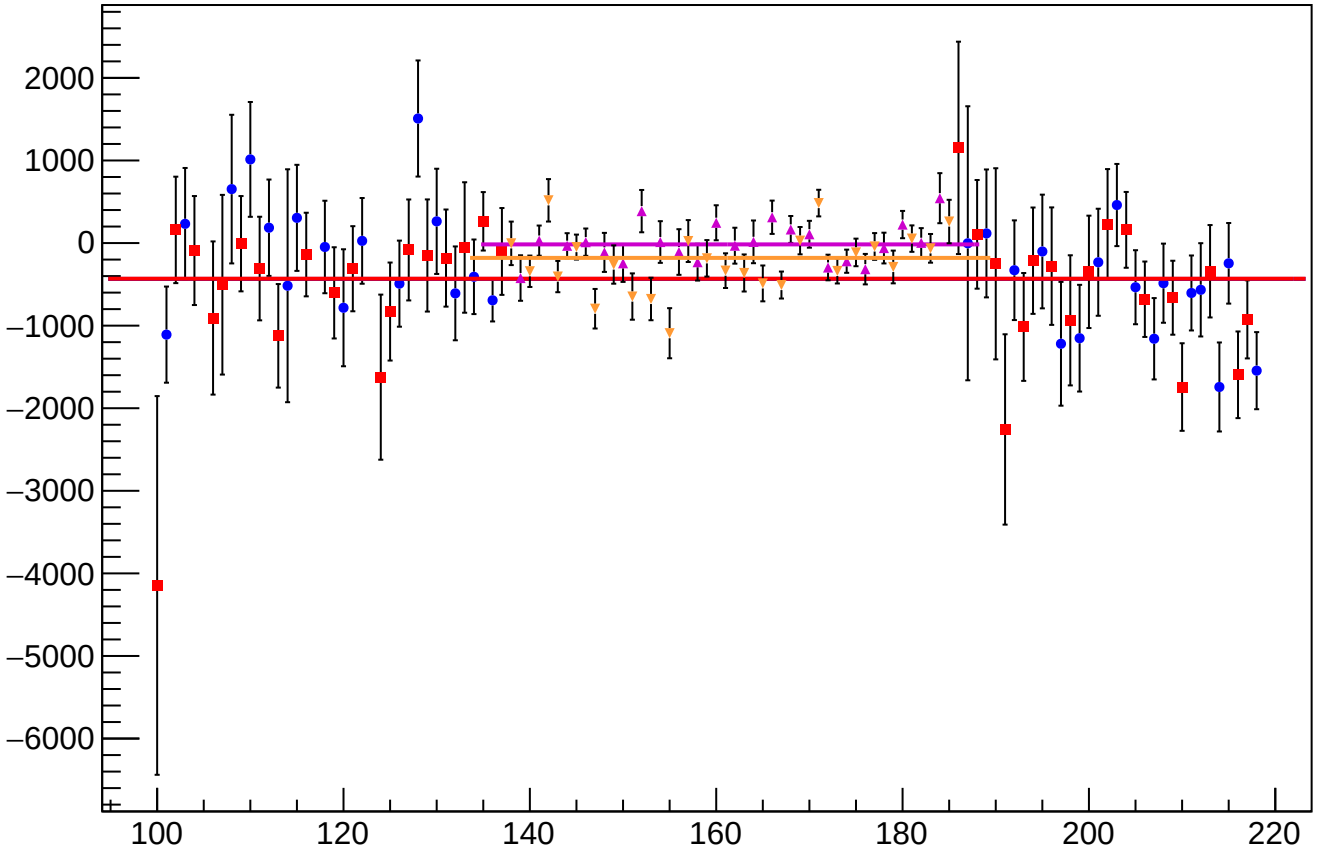
Left In: 171.489+/-0.029 χ^2/NDF:1415782.1/22

+ sign 206.977+/-0.026 χ^2/NDF: 16250407.3/56

All: 208.199+/-0.019 χ^2/NDF: 33582339.2/11

- sign 209.495+/-0.027 χ^2/NDF: 17327450.9/58

asym_sam_1357_2468_dd_mean vs Slug



Right In: -434.298+/-97.247 χ^2/NDF: 42.7/31

Left Out: -179.656+/-39.364 χ^2/NDF:67.1/24

Right Out: -431.889+/-101.388 χ^2/NDF: 34.8/35

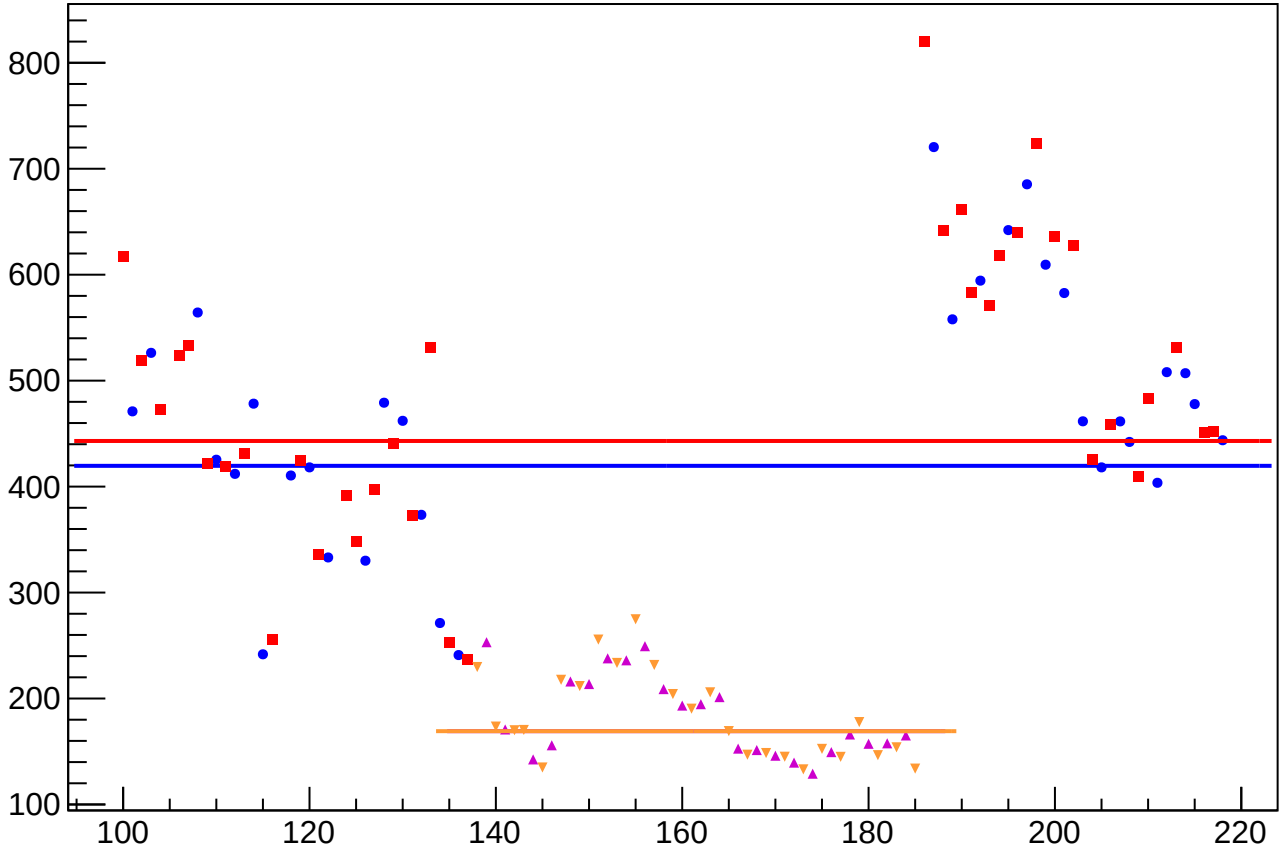
Left In: -16.057+/-40.396 χ^2/NDF:26.6/22

+ sign -215.504+/-36.488 χ^2/NDF: 115.7/56

All: -146.266+/-26.160 χ^2/NDF: 199.0/115

- sign -73.026+/-37.527 χ^2/NDF: 75.9/58

asym_sam_1357_2468_dd_rms vs Slug



Right In: 419.604+/-0.069 χ^2/NDF: 2840610.4/31

Left Out: 169.182+/-0.028 χ^2/NDF:1547748.9/24

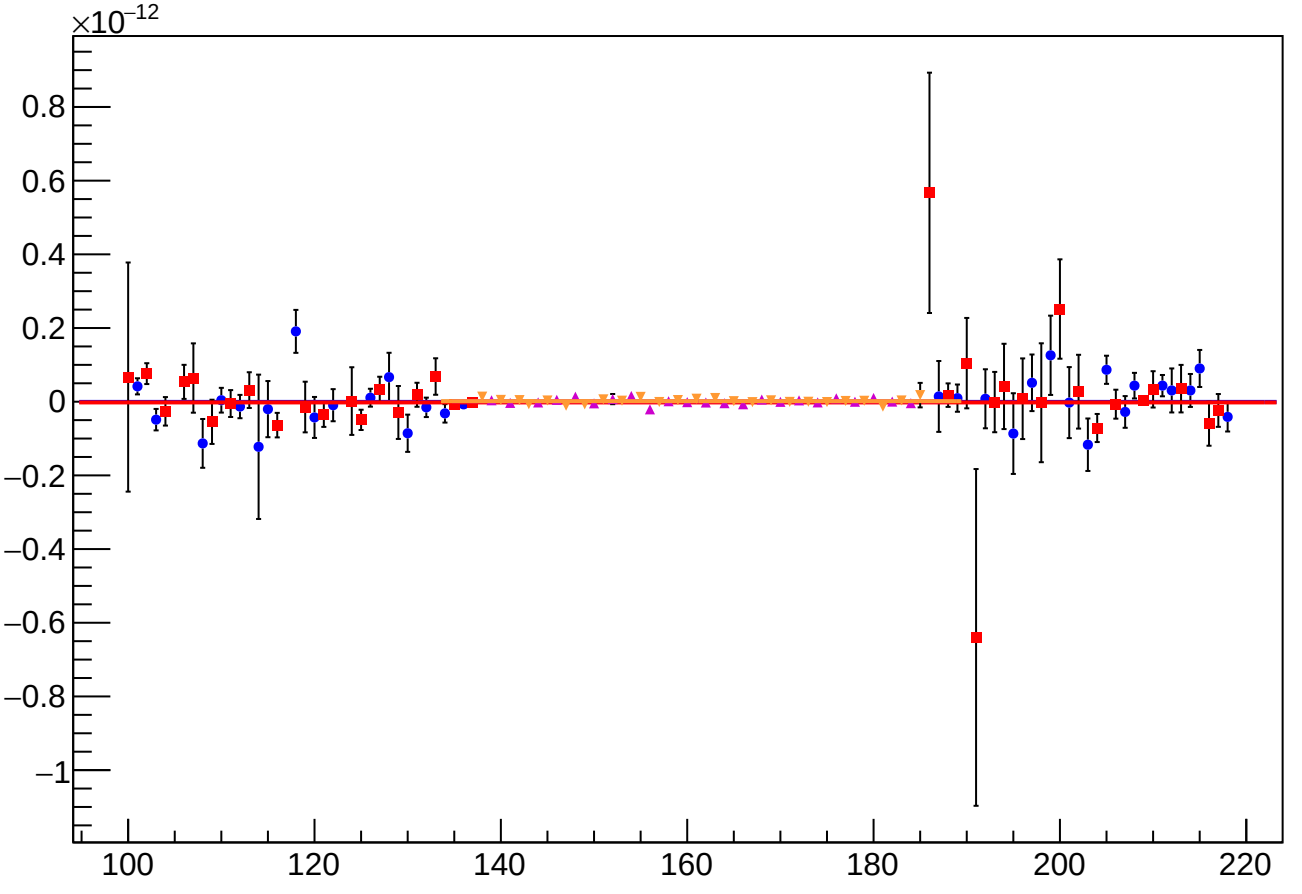
Right Out: 443.065+/-0.072 χ^2/NDF: 2932238.1/35

Left In: 169.187+/-0.029 χ^2/NDF:1374439.5/22

+ sign 204.436+/-0.026 χ^2/NDF: 15783763.0/56

All: 205.540+/-0.018 χ^2/NDF: 32688850.1/11

- sign 206.708+/-0.027 χ^2/NDF: 16901318.1/58



Right In: -0.000+/-0.000 χ^2/NDF: 48.0/31

Left Out: 0.000+/-0.000 χ^2/NDF:18.8/24

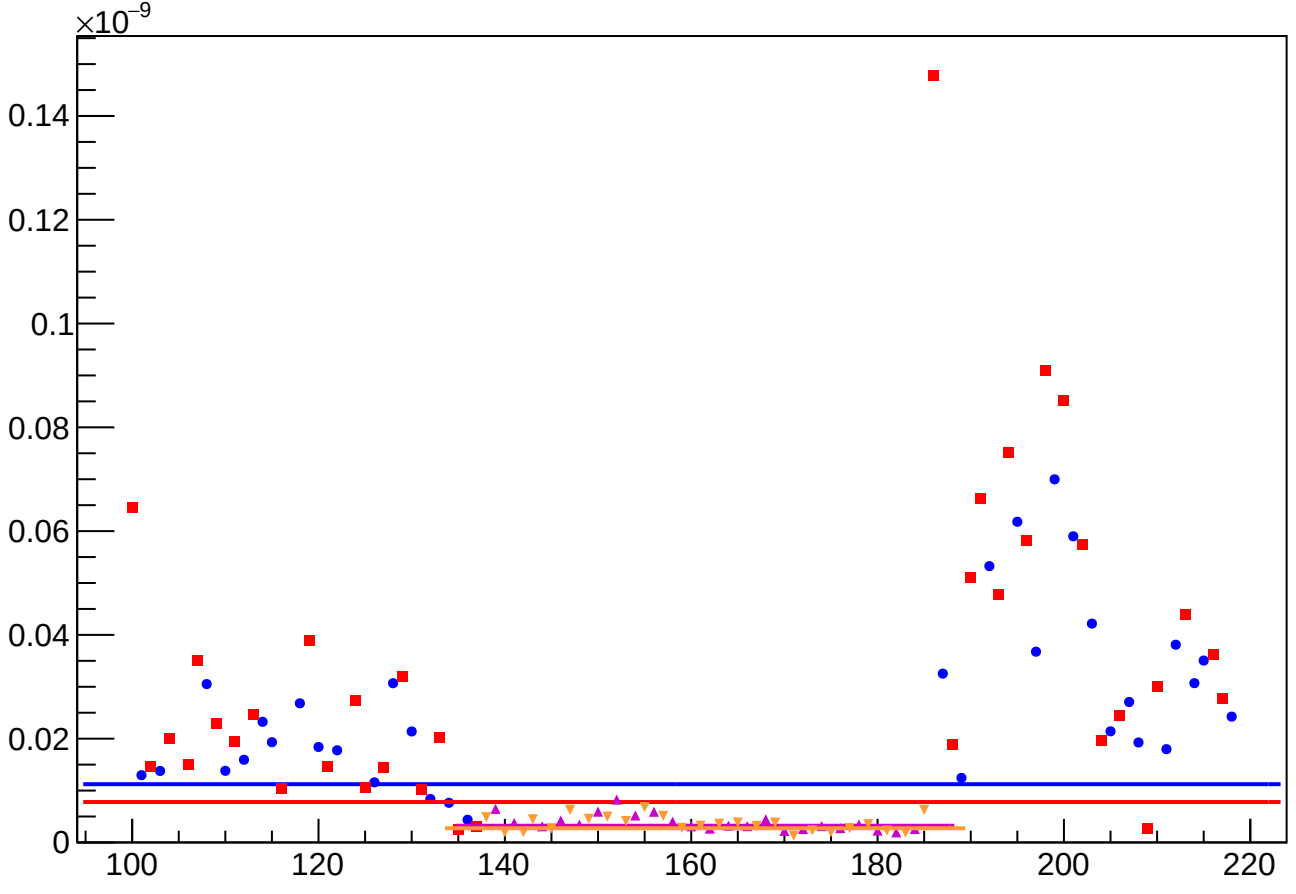
Right Out: -0.000+/-0.000 χ^2/NDF: 38.9/35

Left In: 0.000+/-0.000 χ^2/NDF:19.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 67.0/56

All: 0.000+/-0.000 χ^2/NDF: 126.1/115

- sign 0.000+/-0.000 χ^2/NDF: 59.1/58



Right In: 0.000+/-0.000 χ^2/NDF: 7434985.9/31

Left Out: 0.000+/-0.000 χ^2/NDF:1923193.7/24

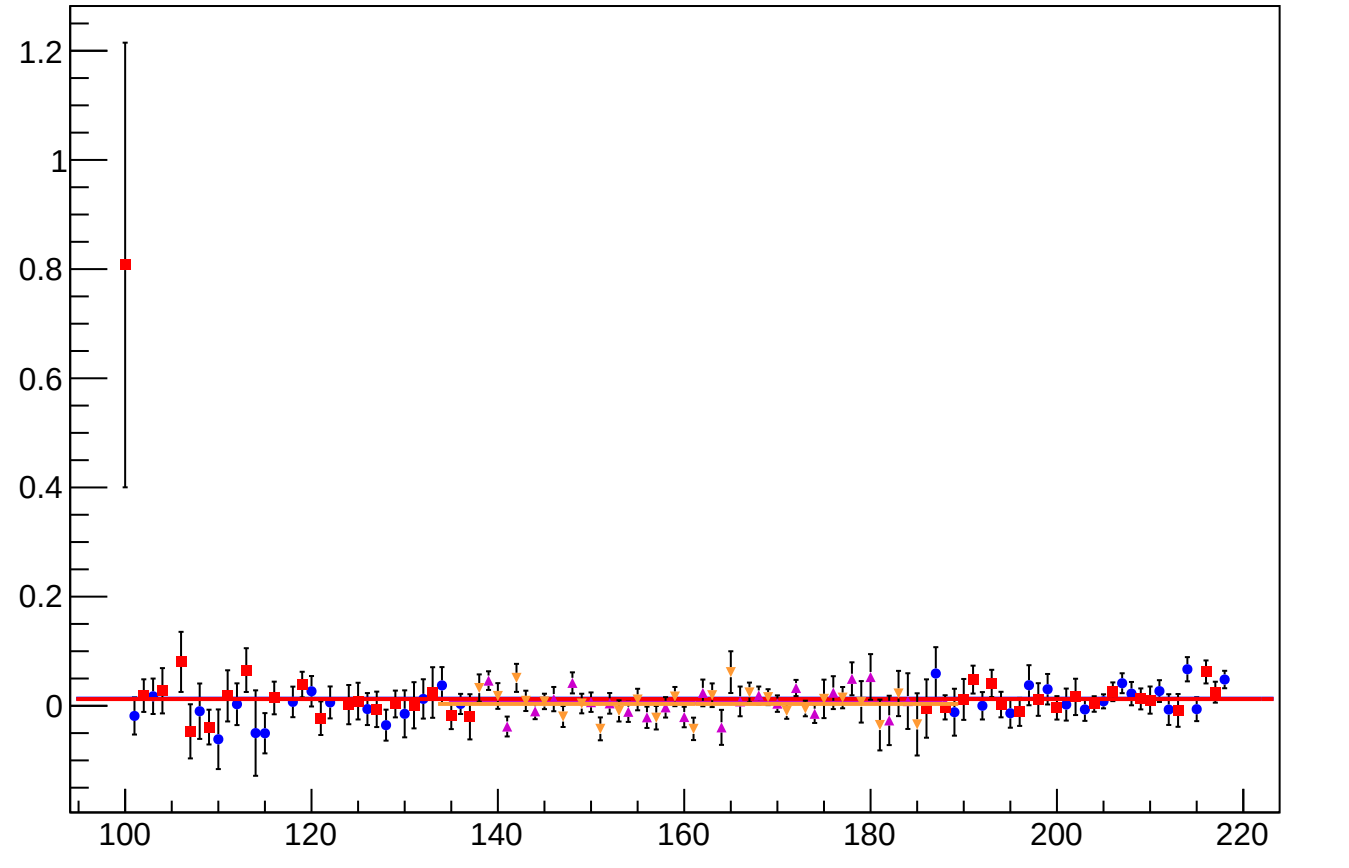
Right Out: 0.000+/-0.000 χ^2/NDF: 10695245.0/35

Left In: 0.000+/-0.000 χ^2/NDF:1355602.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 14519594.3/56

All: 0.000+/-0.000 χ^2/NDF: 28581969.5/115

- sign 0.000+/-0.000 χ^2/NDF: 13930916.1/58



Right In: 0.013+/-0.005 χ^2/NDF: 31.1/31

Left Out: 0.003+/-0.004 χ^2/NDF:26.9/24

Right Out: 0.012+/-0.005 χ^2/NDF: 29.8/35

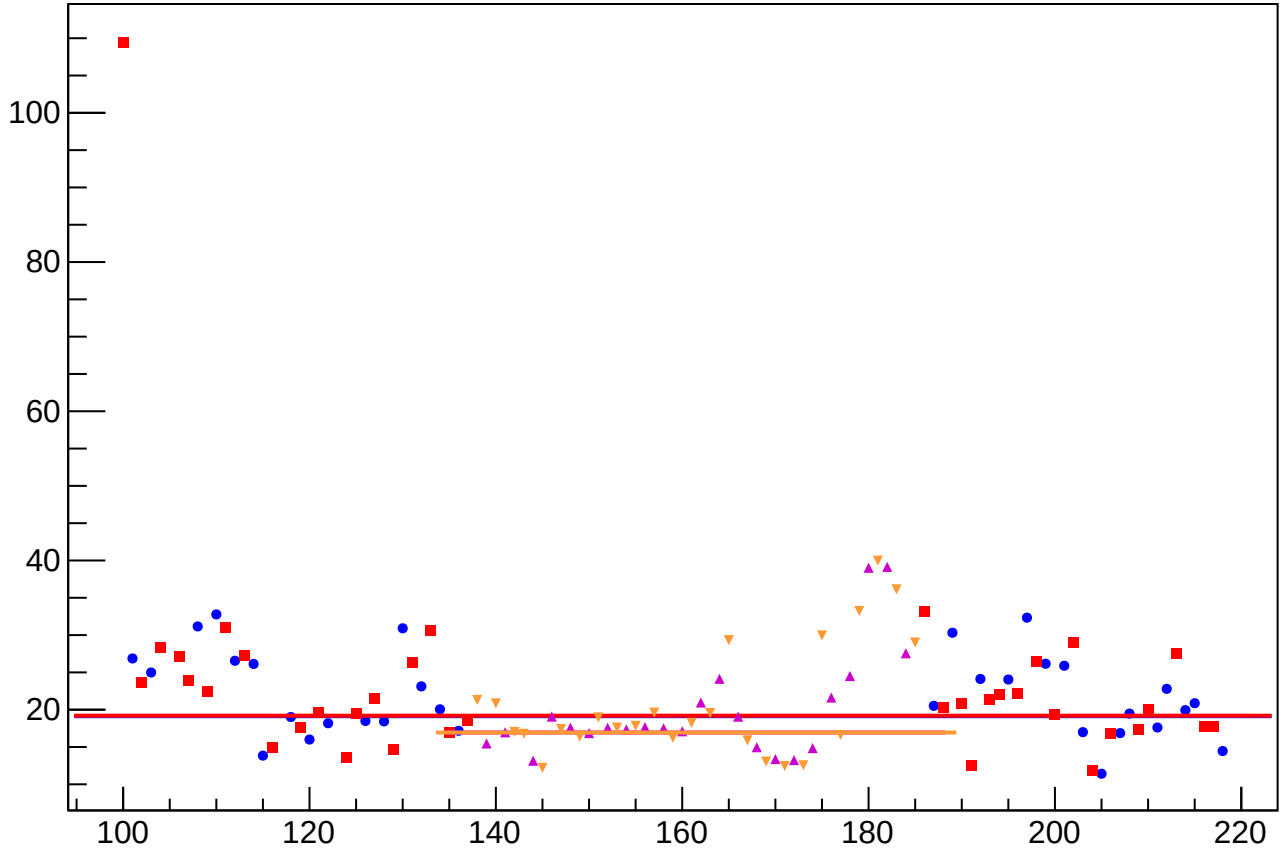
Left In: 0.005+/-0.004 χ^2/NDF:33.2/22

+ sign 0.008+/-0.003 χ^2/NDF: 60.5/56

All: 0.008+/-0.002 χ^2/NDF: 124.8/115

- sign 0.009+/-0.003 χ^2/NDF: 64.2/58

asym_sam_1357_2468_dd_dit_vs_cor_diff_rms vs Slug



Right In: 19.132+/-0.003 χ^2/NDF: 2541740.3/31

Left Out: 16.939+/-0.003 χ^2/NDF:2836877.8/24

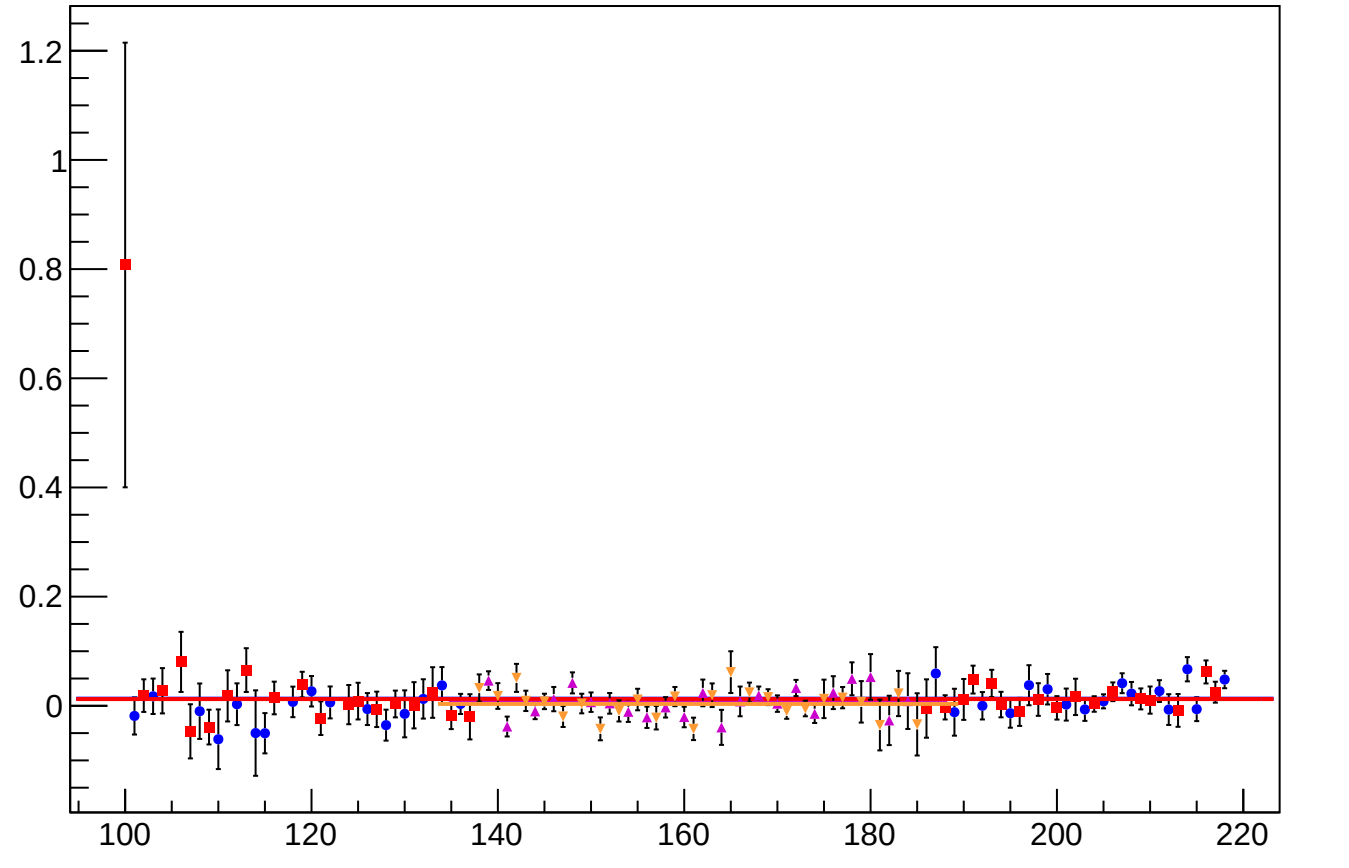
Right Out: 19.197+/-0.003 χ^2/NDF: 2310288.3/35

Left In: 16.943+/-0.003 χ^2/NDF:1941845.2/22

+ sign 17.914+/-0.002 χ^2/NDF: 5634140.2/56

All: 17.947+/-0.002 χ^2/NDF: 10153074.8/115

- sign 17.981+/-0.002 χ^2/NDF: 4518458.0/58



Right In: 0.013+/-0.005 χ^2/NDF: 31.1/31

Left Out: 0.003+/-0.004 χ^2/NDF:26.9/24

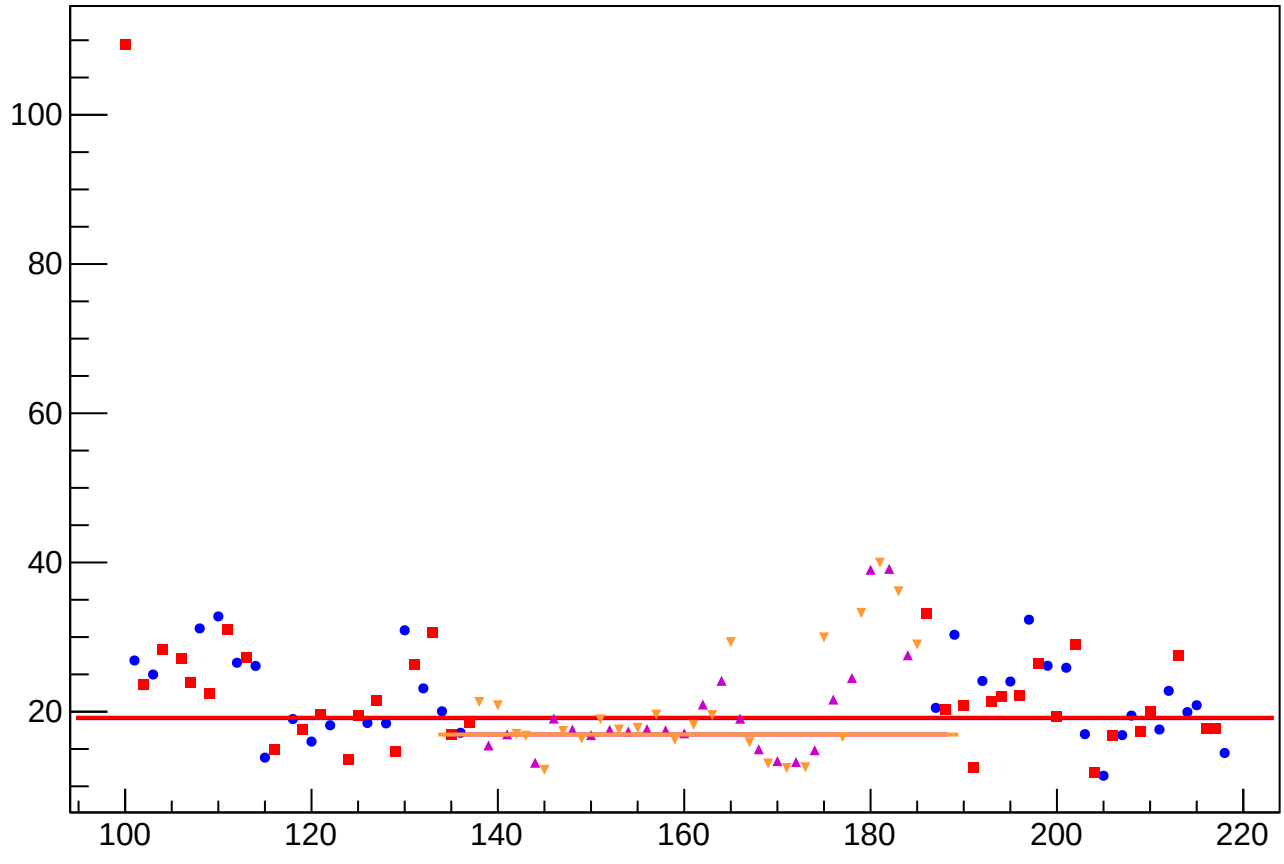
Right Out: 0.012+/-0.005 χ^2/NDF: 29.8/35

Left In: 0.005+/-0.004 χ^2/NDF:33.2/22

+ sign 0.008+/-0.003 χ^2/NDF: 60.5/56

All: 0.008+/-0.002 χ^2/NDF: 124.8/115

- sign 0.009+/-0.003 χ^2/NDF: 64.2/58



Right In: 19.132+/-0.003 χ^2/NDF: 2541740.3/31

Left Out: 16.939+/-0.003 χ^2/NDF:2836877.8/24

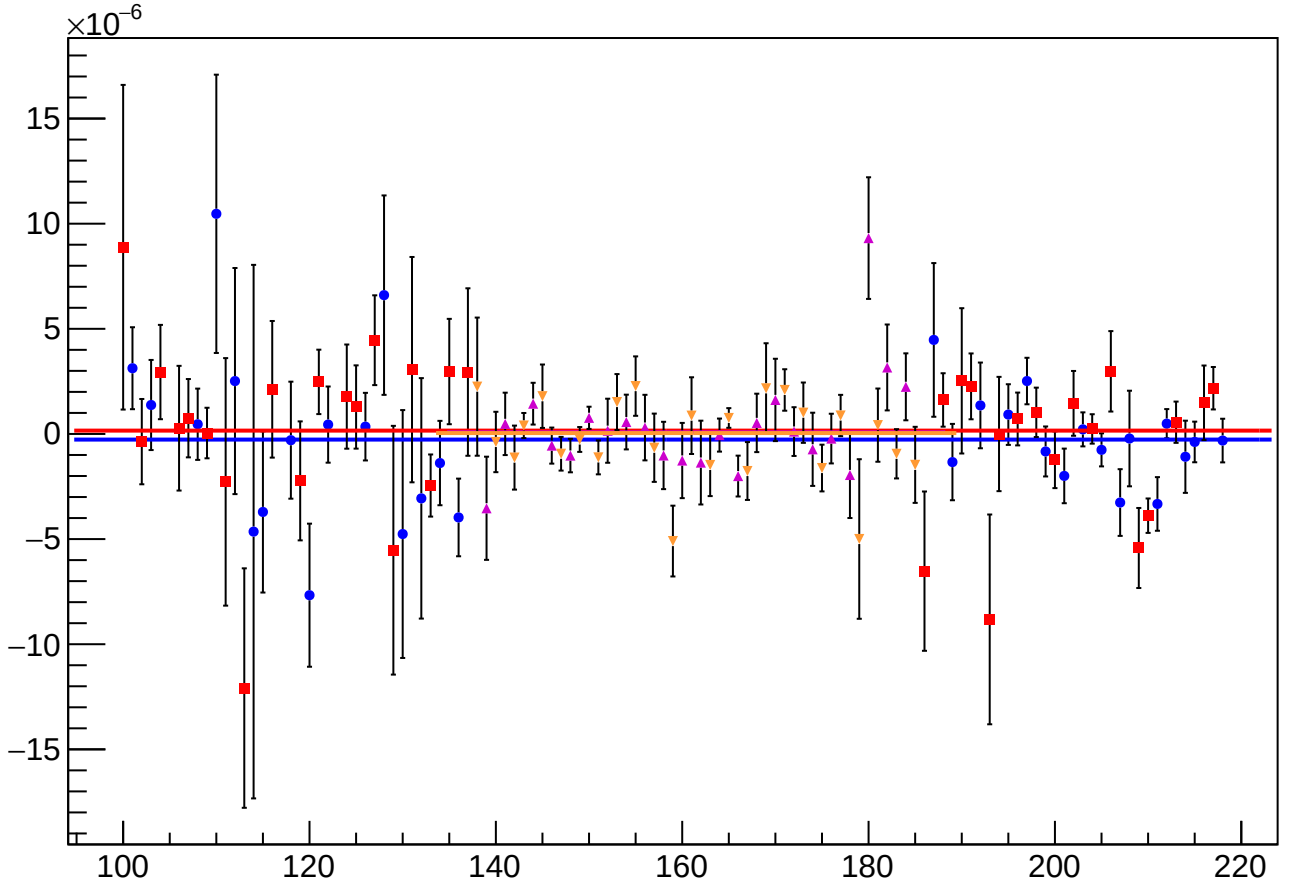
Right Out: 19.197+/-0.003 χ^2/NDF: 2310288.3/35

Left In: 16.943+/-0.003 χ^2/NDF:1941845.2/22

+ sign 17.914+/-0.002 χ^2/NDF: 5634140.2/56

All: 17.947+/-0.002 χ^2/NDF: 10153074.8/115

- sign 17.981+/-0.002 χ^2/NDF: 4518458.0/58



Right In: -0.000+/-0.000 χ^2/NDF: 43.1/31

Left Out: 0.000+/-0.000 χ^2/NDF:37.2/24

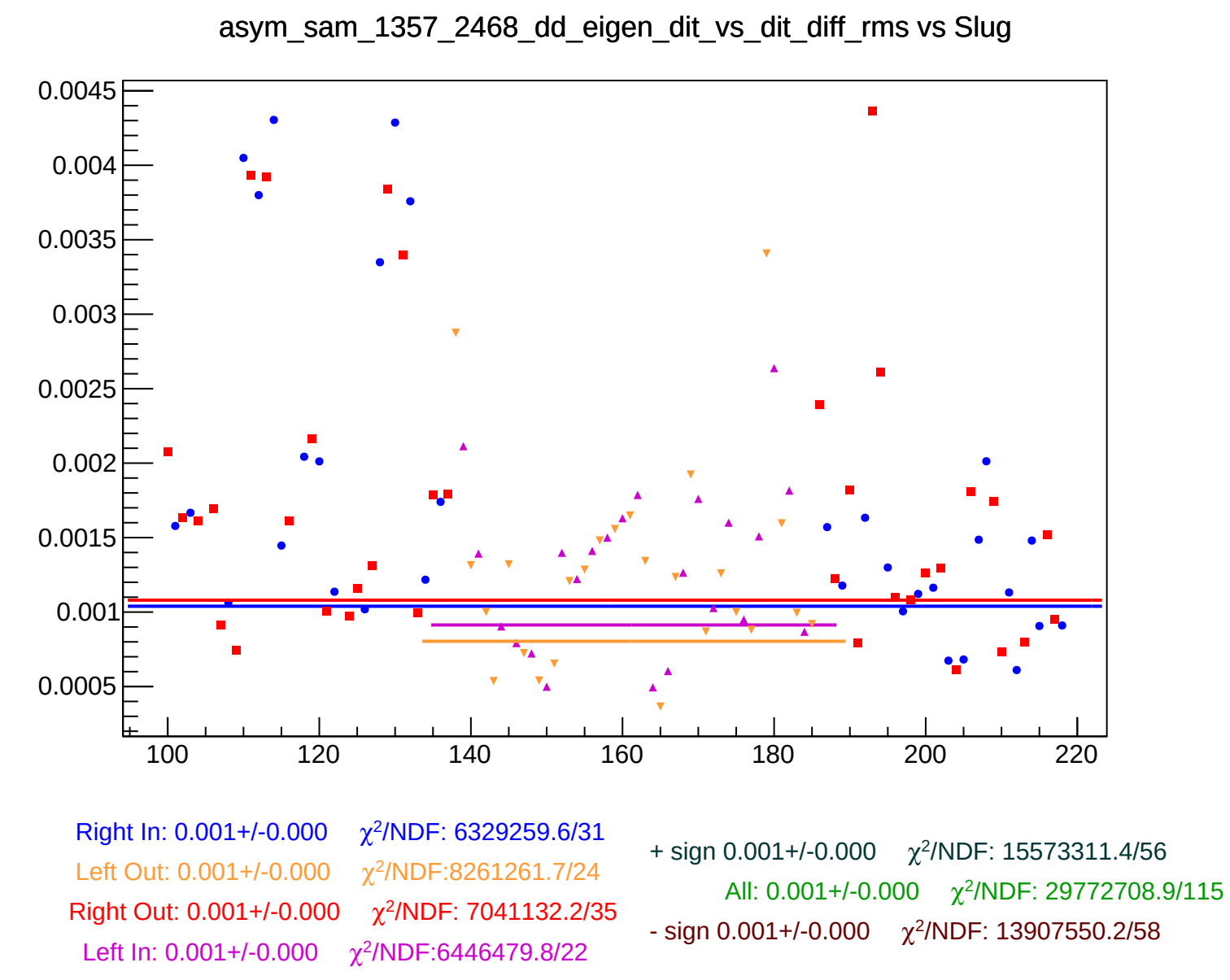
Right Out: 0.000+/-0.000 χ^2/NDF: 74.5/35

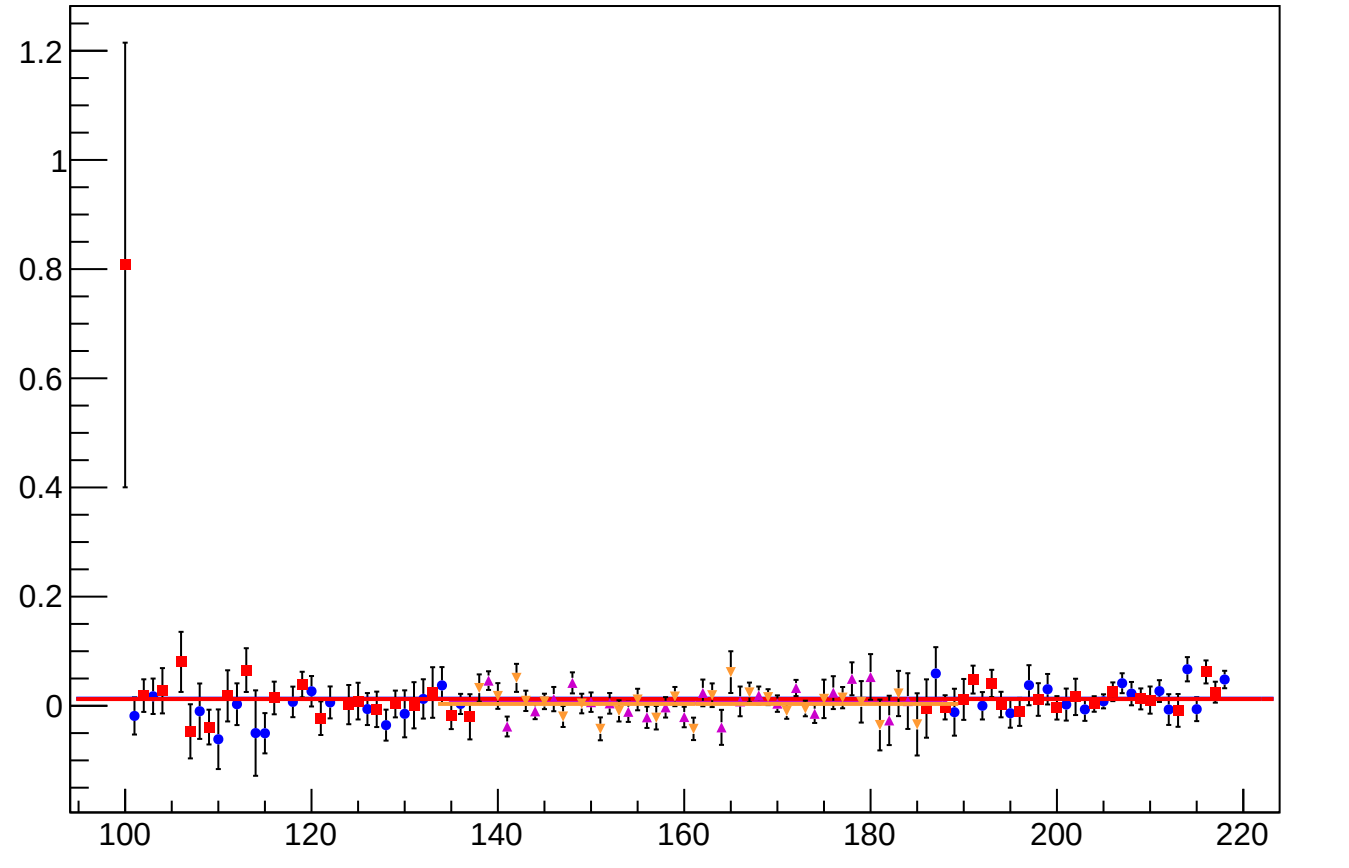
Left In: 0.000+/-0.000 χ^2/NDF:31.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 81.1/56

All: 0.000+/-0.000 χ^2/NDF: 187.2/115

- sign 0.000+/-0.000 χ^2/NDF: 105.5/58


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
200
220
Right In: 0.001+/-0.000 χ²/NDF: 6329259.6/31
Left Out: 0.001+/-0.000 χ²/NDF:8261261.7/24
Right Out: 0.001+/-0.000 χ²/NDF: 7041132.2/35
Left In: 0.001+/-0.000 χ²/NDF:6446479.8/22
+ sign 0.001+/-0.000 χ²/NDF: 15573311.4/56
All: 0.001+/-0.000 χ²/NDF: 29772708.9/115
- sign 0.001+/-0.000 χ²/NDF: 13907550.2/58



Right In: 0.013+/-0.005 χ^2/NDF: 31.1/31

Left Out: 0.003+/-0.004 χ^2/NDF:26.9/24

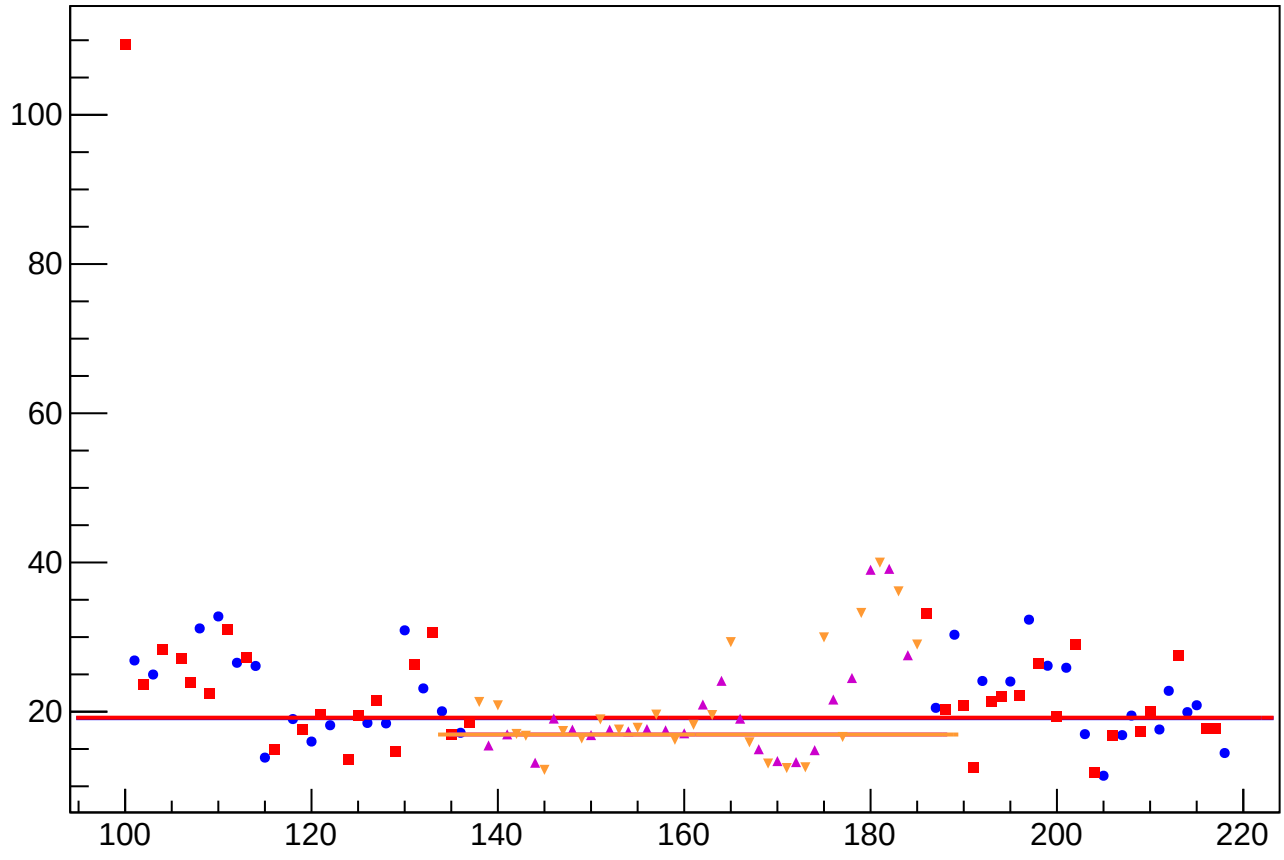
Right Out: 0.012+/-0.005 χ^2/NDF: 29.8/35

Left In: 0.005+/-0.004 χ^2/NDF:33.2/22

+ sign 0.008+/-0.003 χ^2/NDF: 60.5/56

All: 0.008+/-0.002 χ^2/NDF: 124.8/115

- sign 0.009+/-0.003 χ^2/NDF: 64.2/58



Right In: 19.131+/-0.003 χ^2/NDF: 2541796.6/31

Left Out: 16.939+/-0.003 χ^2/NDF:2836863.1/24

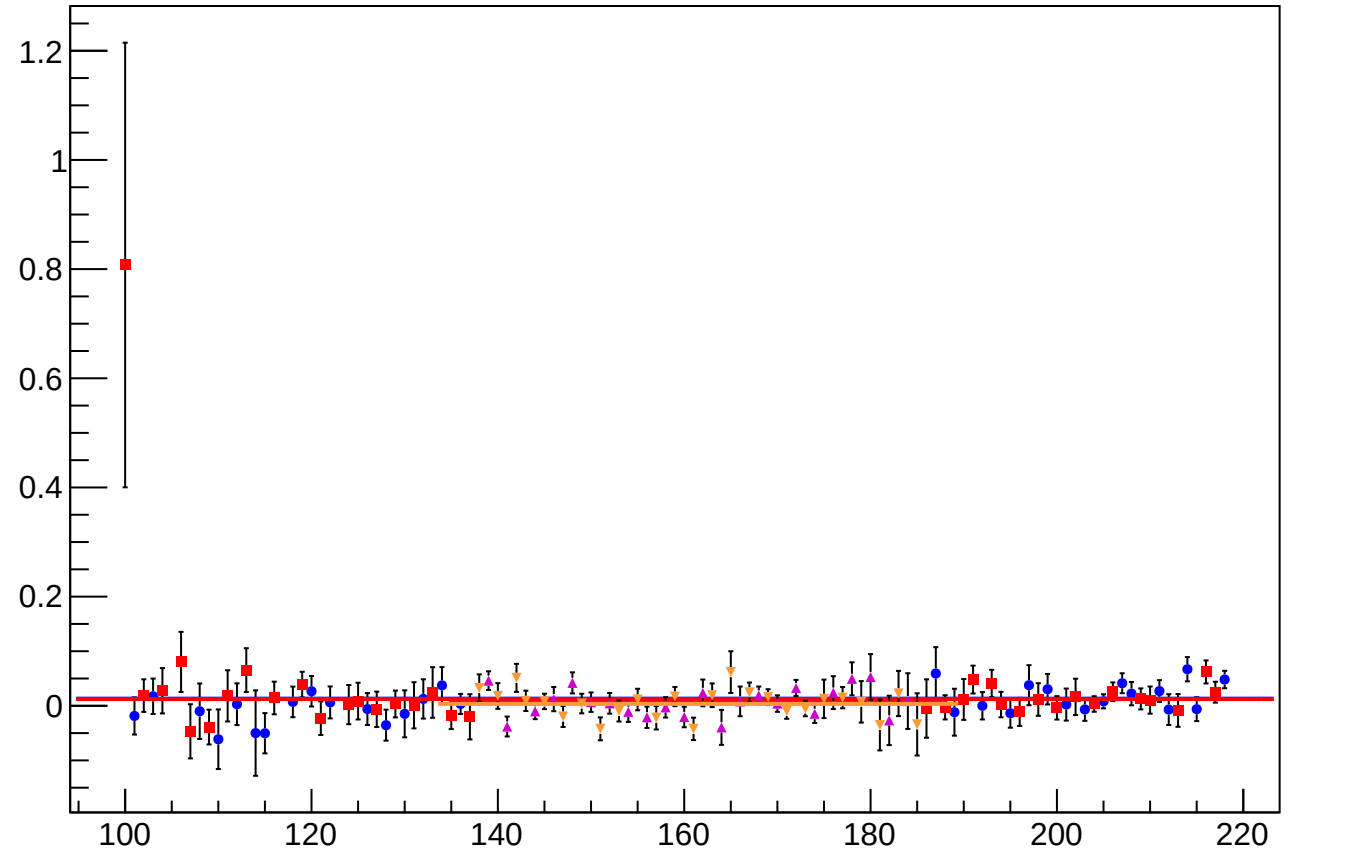
Right Out: 19.197+/-0.003 χ^2/NDF: 2310261.0/35

Left In: 16.943+/-0.003 χ^2/NDF:1941834.9/22

+ sign 17.914+/-0.002 χ^2/NDF: 5634078.9/56

All: 17.947+/-0.002 χ^2/NDF: 10152946.0/115

- sign 17.981+/-0.002 χ^2/NDF: 4518389.7/58



Right In: 0.013+/-0.005 χ^2/NDF: 31.1/31

Left Out: 0.003+/-0.004 χ^2/NDF:26.9/24

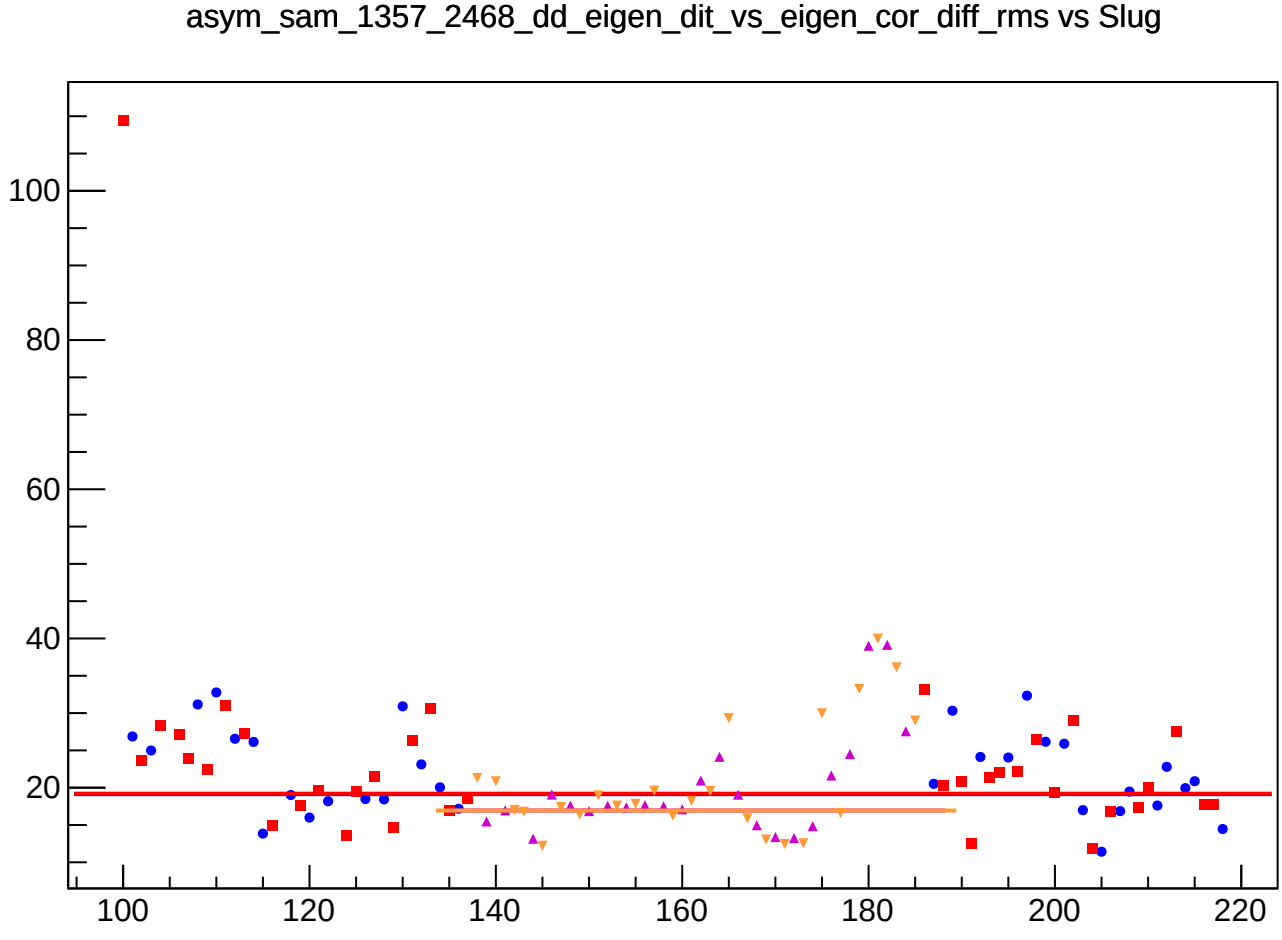
Right Out: 0.012+/-0.005 χ^2/NDF: 29.8/35

Left In: 0.005+/-0.004 χ^2/NDF:33.2/22

+ sign 0.008+/-0.003 χ^2/NDF: 60.5/56

All: 0.008+/-0.002 χ^2/NDF: 124.8/115

- sign 0.009+/-0.003 χ^2/NDF: 64.2/58



Right In: 19.131+/-0.003 χ^2/NDF: 2541796.6/31

Left Out: 16.939+/-0.003 χ^2/NDF:2836863.1/24

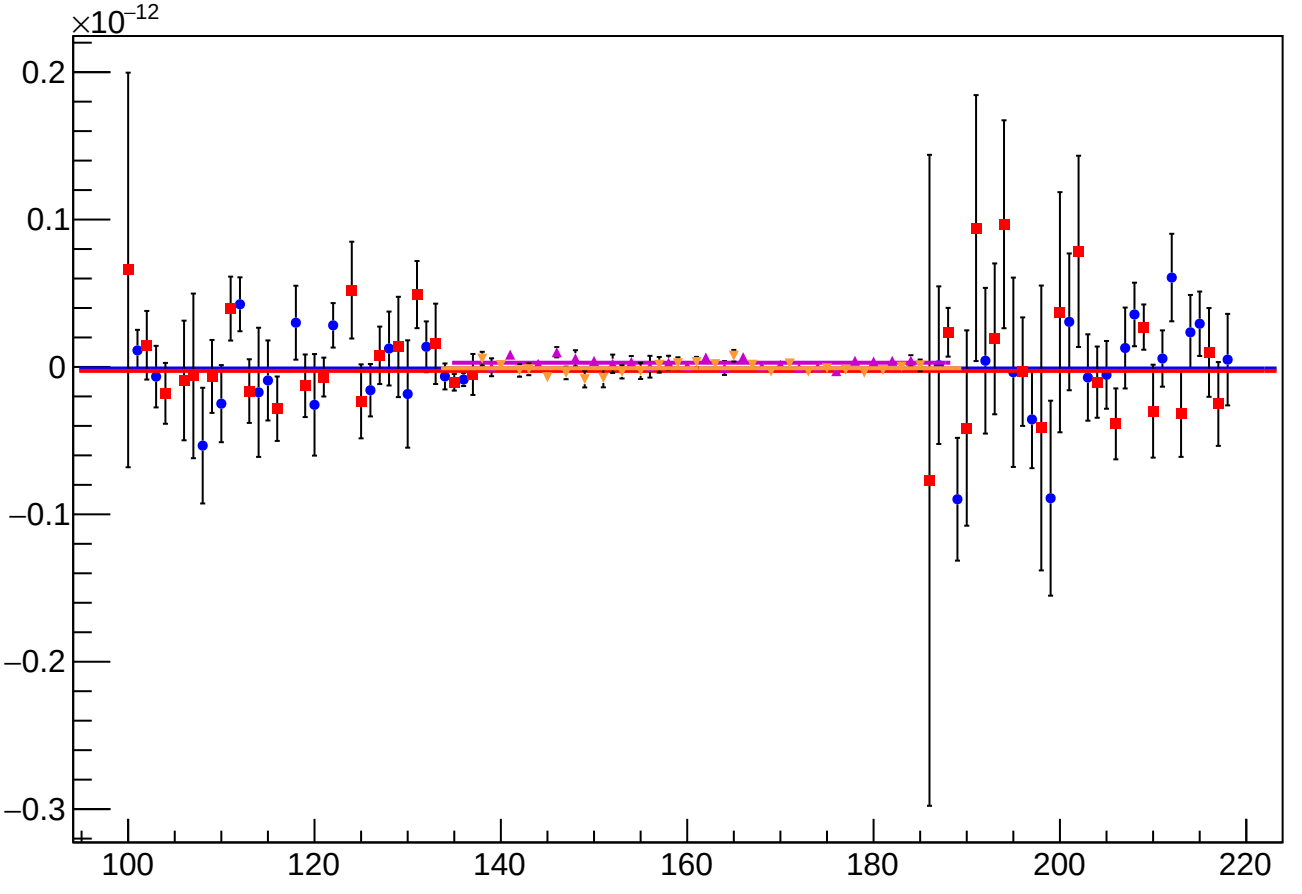
Right Out: 19.197+/-0.003 χ^2/NDF: 2310261.0/35

Left In: 16.943+/-0.003 χ^2/NDF:1941834.9/22

+ sign 17.914+/-0.002 χ^2/NDF: 5634078.9/56

All: 17.947+/-0.002 χ^2/NDF: 10152946.0/115

- sign 17.981+/-0.002 χ^2/NDF: 4518389.7/58



Right In: -0.000+/-0.000 χ^2/NDF: 38.8/31

Left Out: -0.000+/-0.000 χ^2/NDF:23.6/24

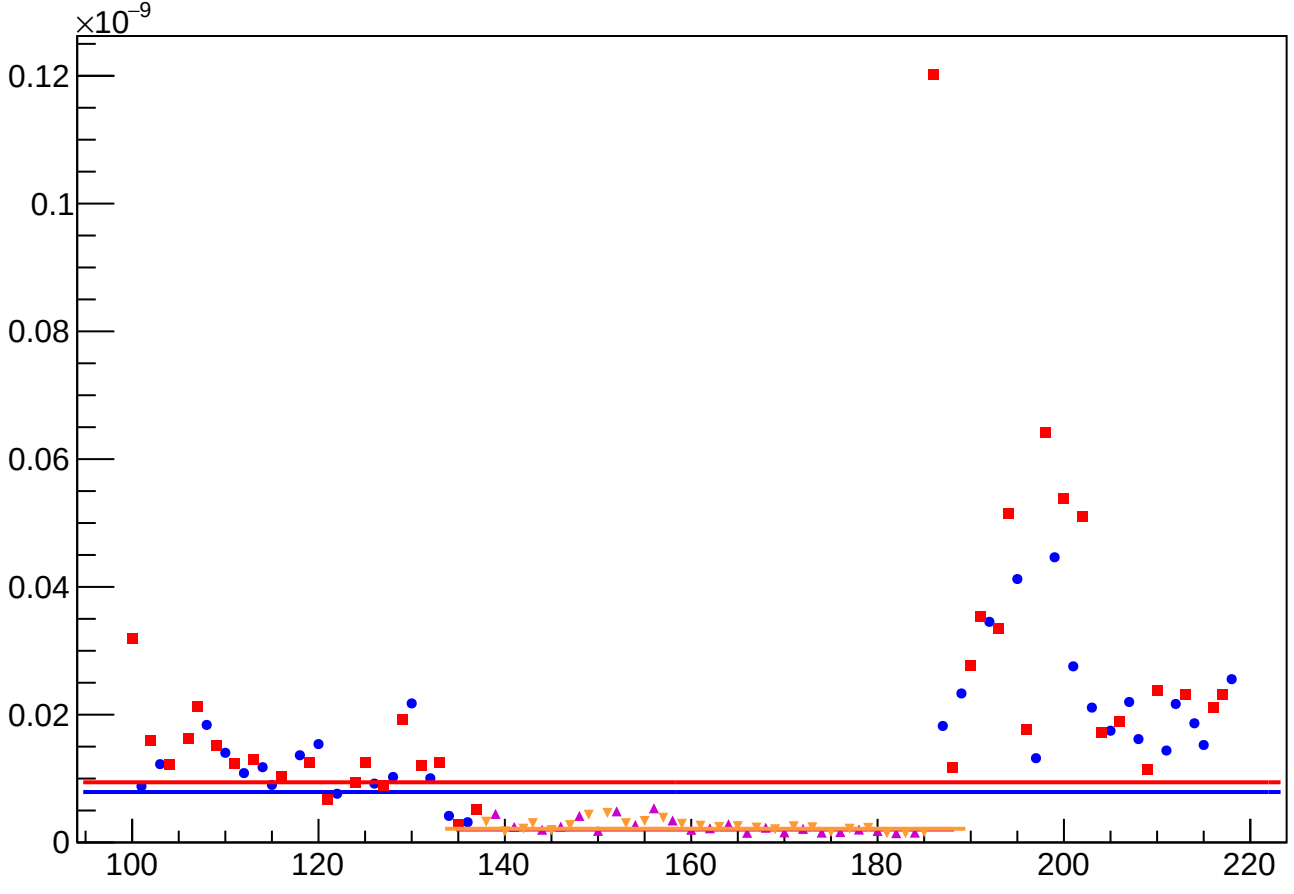
Right Out: -0.000+/-0.000 χ^2/NDF: 35.7/35

Left In: 0.000+/-0.000 χ^2/NDF:23.1/22

+ sign -0.000+/-0.000 χ^2/NDF: 62.4/56

All: 0.000+/-0.000 χ^2/NDF: 140.1/115

- sign 0.000+/-0.000 χ^2/NDF: 61.3/58



Right In: 0.000+/-0.000 χ^2/NDF: 9594592.3/31

Left Out: 0.000+/-0.000 χ^2/NDF:2184835.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10240972.5/35

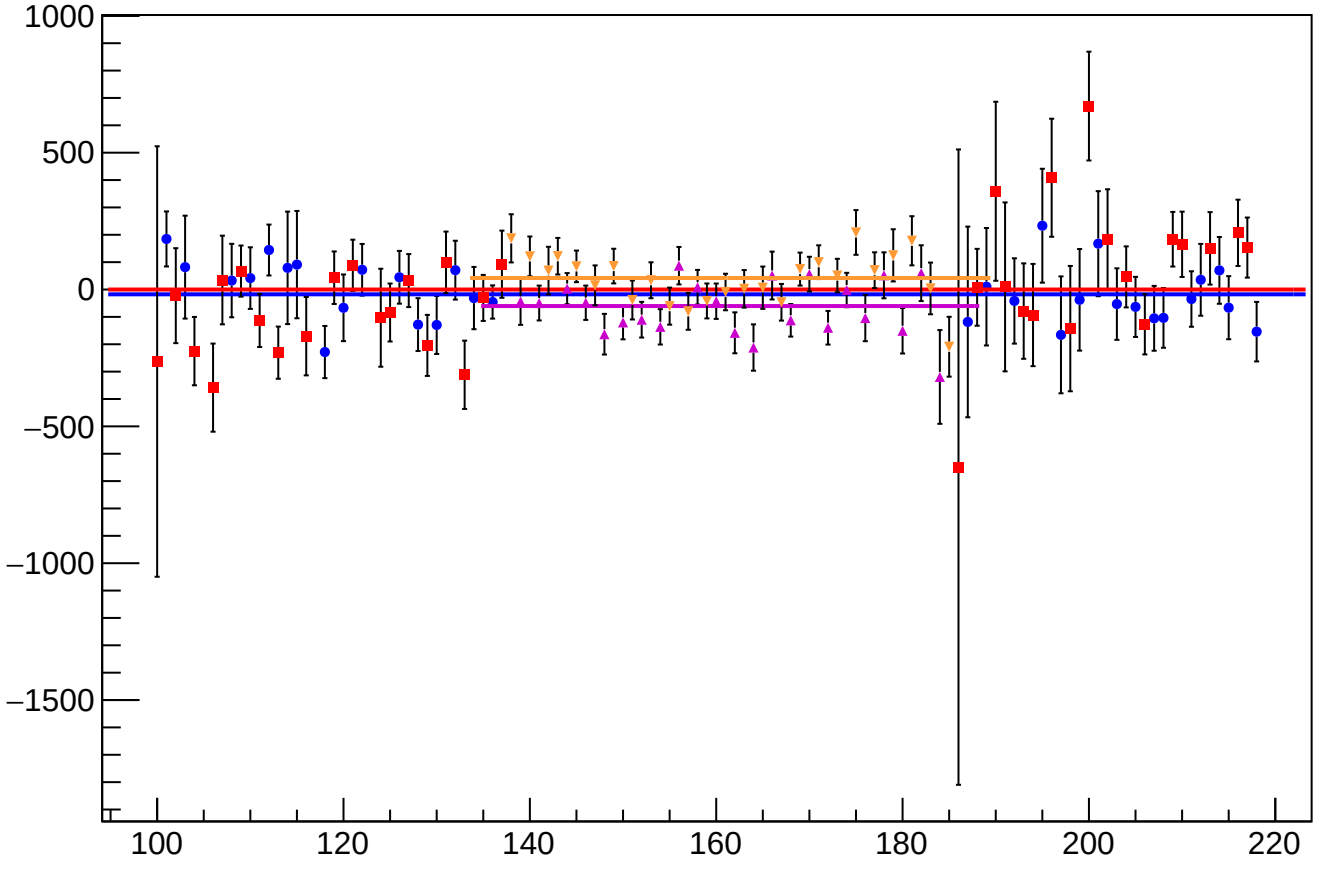
Left In: 0.000+/-0.000 χ^2/NDF:2375362.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 18891702.4/56

All: 0.000+/-0.000 χ^2/NDF: 40541909.8/115

- sign 0.000+/-0.000 χ^2/NDF: 21606003.2/58

reg_asym_sam_12345678_avg_mean vs Slug



Right In: -17.546+/-20.821 χ^2/NDF: 24.9/31

Left Out: 42.012+/-14.181 χ^2/NDF:32.0/24

Right Out: 0.035+/-21.285 χ^2/NDF: 62.1/35

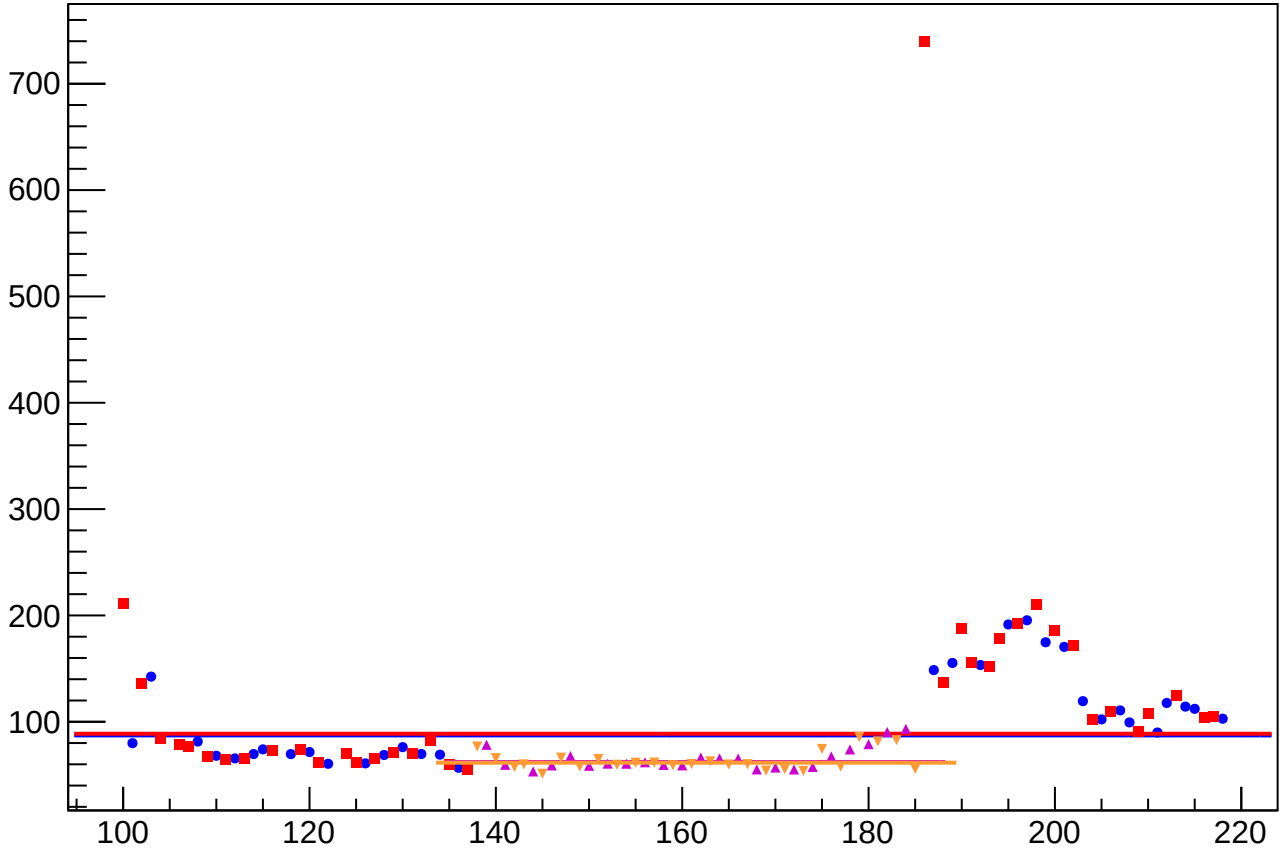
Left In: -60.376+/-14.714 χ^2/NDF:32.2/22

+ sign 23.139+/-11.721 χ^2/NDF: 62.5/56

All: -7.825+/-8.420 χ^2/NDF: 176.7/115

- sign -40.843+/-12.103 χ^2/NDF: 99.7/58

reg_asym_sam_12345678_avg_rms vs Slug



Right In: 87.183+/-0.015 χ^2/NDF: 4556768.0/31

Left Out: 61.544+/-0.010 χ^2/NDF:637834.8/24

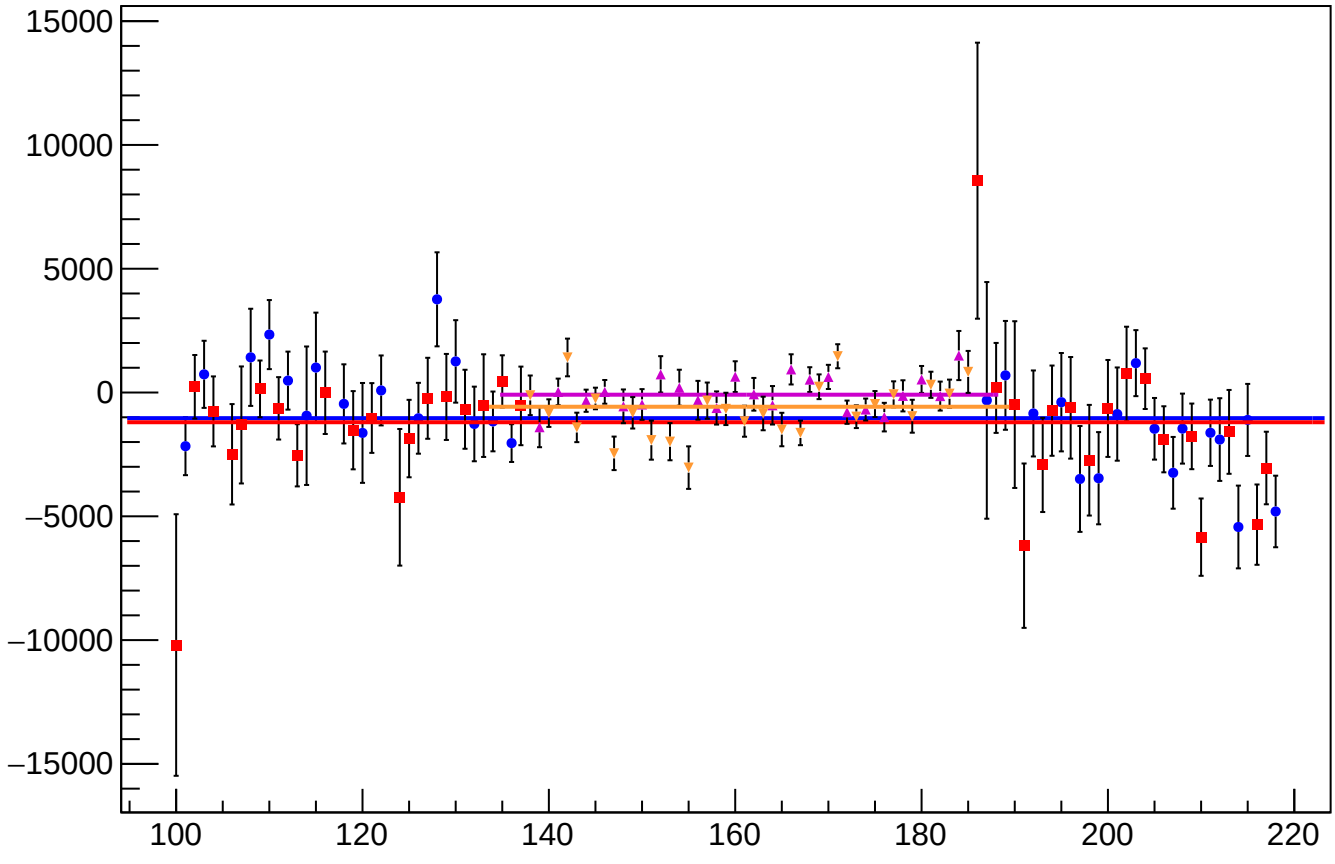
Right Out: 88.737+/-0.015 χ^2/NDF: 5718410.6/35

Left In: 62.144+/-0.010 χ^2/NDF:596754.9/22

+ sign 69.668+/-0.008 χ^2/NDF: 7266170.4/56

All: 70.188+/-0.006 χ^2/NDF: 15701844.3/115

- sign 70.743+/-0.009 χ^2/NDF: 8427540.5/58



Right In: -1035.625+/-264.904 χ^2/NDF: 46.8/31

Left Out: -574.818+/-119.736 χ^2/NDF:68.8/24

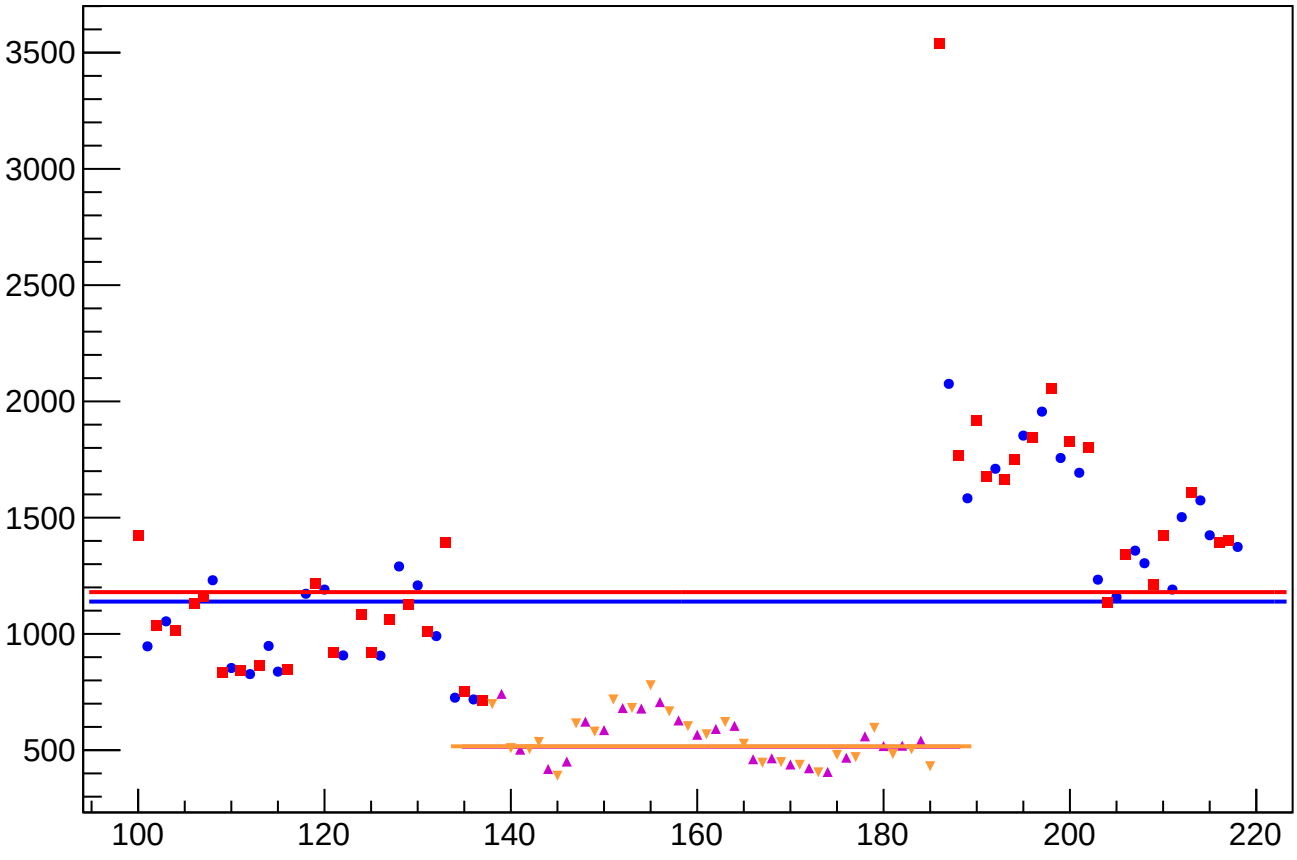
Right Out: -1200.347+/-272.268 χ^2/NDF: 40.8/35

Left In: -88.334+/-122.492 χ^2/NDF:24.6/22

\+ sign -652.991+/-109.108 χ^2/NDF: 118.1/56

All: -468.701+/-78.054 χ^2/NDF: 203.2/115

\- sign -275.524+/-111.708 χ^2/NDF: 79.3/58



Right In: 1139.041+/-0.187 χ^2/NDF: 3090024.9/31

Left Out: 516.635+/-0.085 χ^2/NDF:1265161.0/24

Right Out: 1179.788+/-0.193 χ^2/NDF: 3551956.1/35

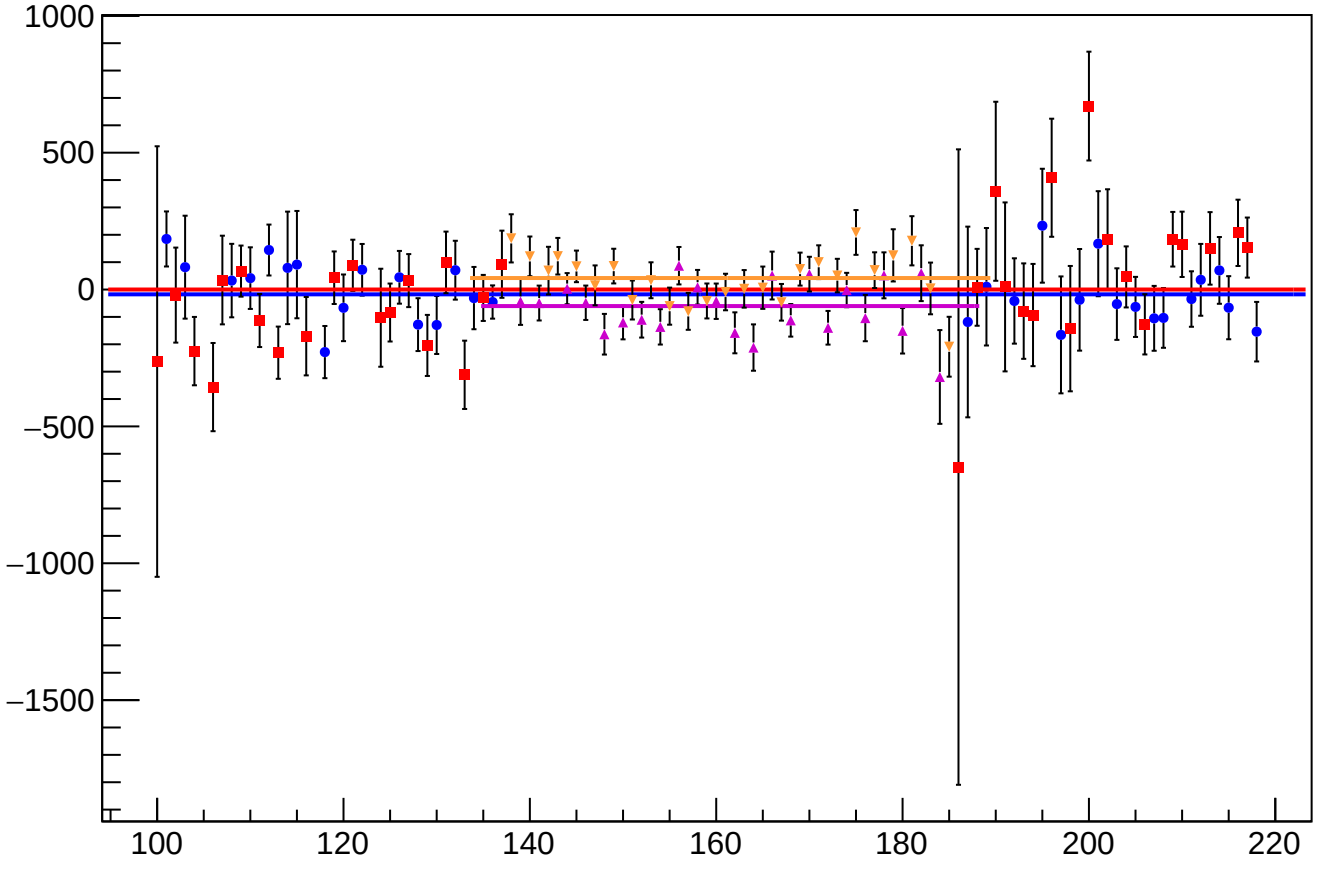
Left In: 514.781+/-0.087 χ^2/NDF:1120436.1/22

+ sign 622.223+/-0.077 χ^2/NDF: 13523000.2/56

All: 624.421+/-0.055 χ^2/NDF: 28119936.4/11

- sign 626.725+/-0.079 χ^2/NDF: 14595274.0/58

cor_asym_sam_12345678_avg_mean vs Slug



Right In: -17.552+/-20.821 χ^2/NDF: 24.9/31

Left Out: 42.017+/-14.181 χ^2/NDF:32.0/24

Right Out: 0.115+/-21.286 χ^2/NDF: 62.0/35

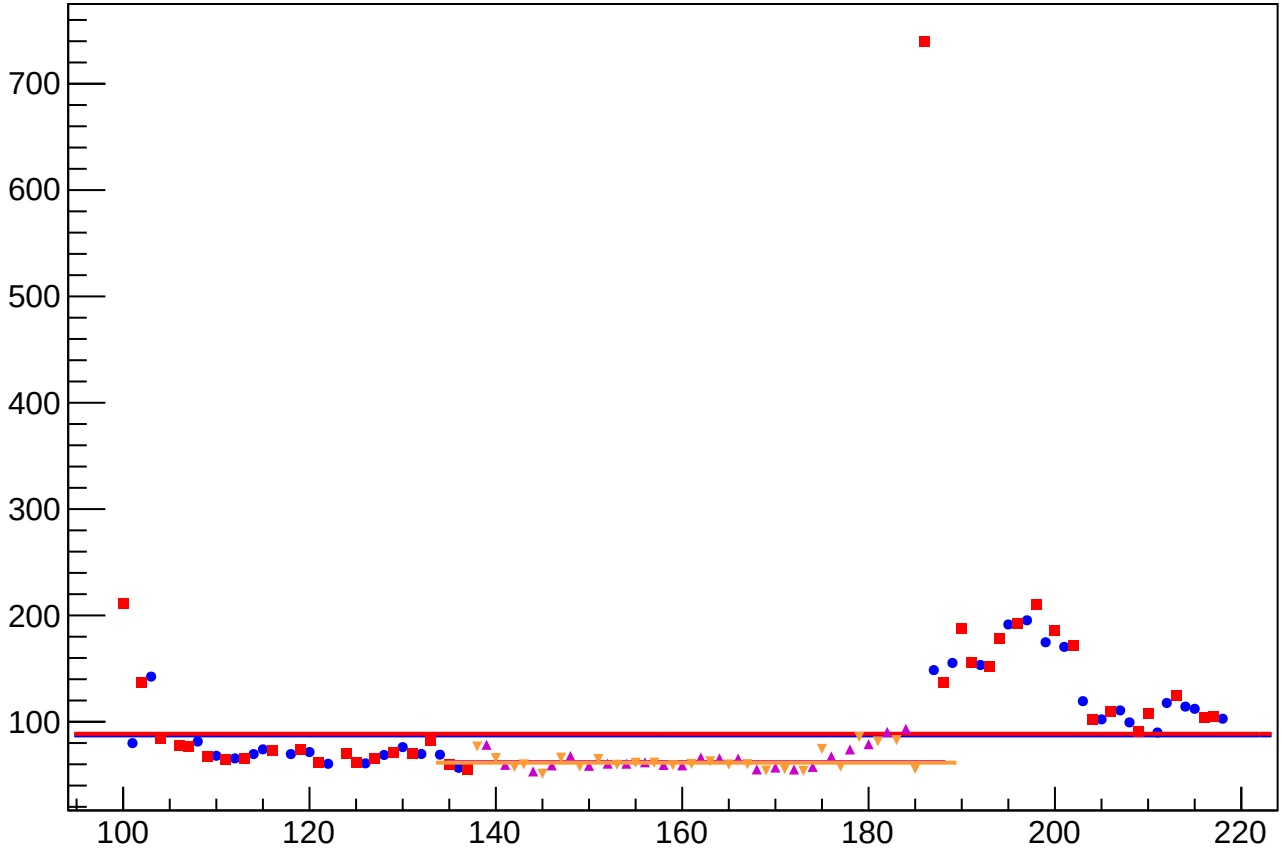
Left In: -60.376+/-14.714 χ^2/NDF:32.2/22

+ sign 23.141+/-11.721 χ^2/NDF: 62.5/56

All: -7.811+/-8.420 χ^2/NDF: 176.6/115

- sign -40.818+/-12.104 χ^2/NDF: 99.7/58

cor_asym_sam_12345678_avg_rms vs Slug



Right In: 87.183+/-0.015 χ^2/NDF: 4556771.1/31

Left Out: 61.544+/-0.010 χ^2/NDF:637834.9/24

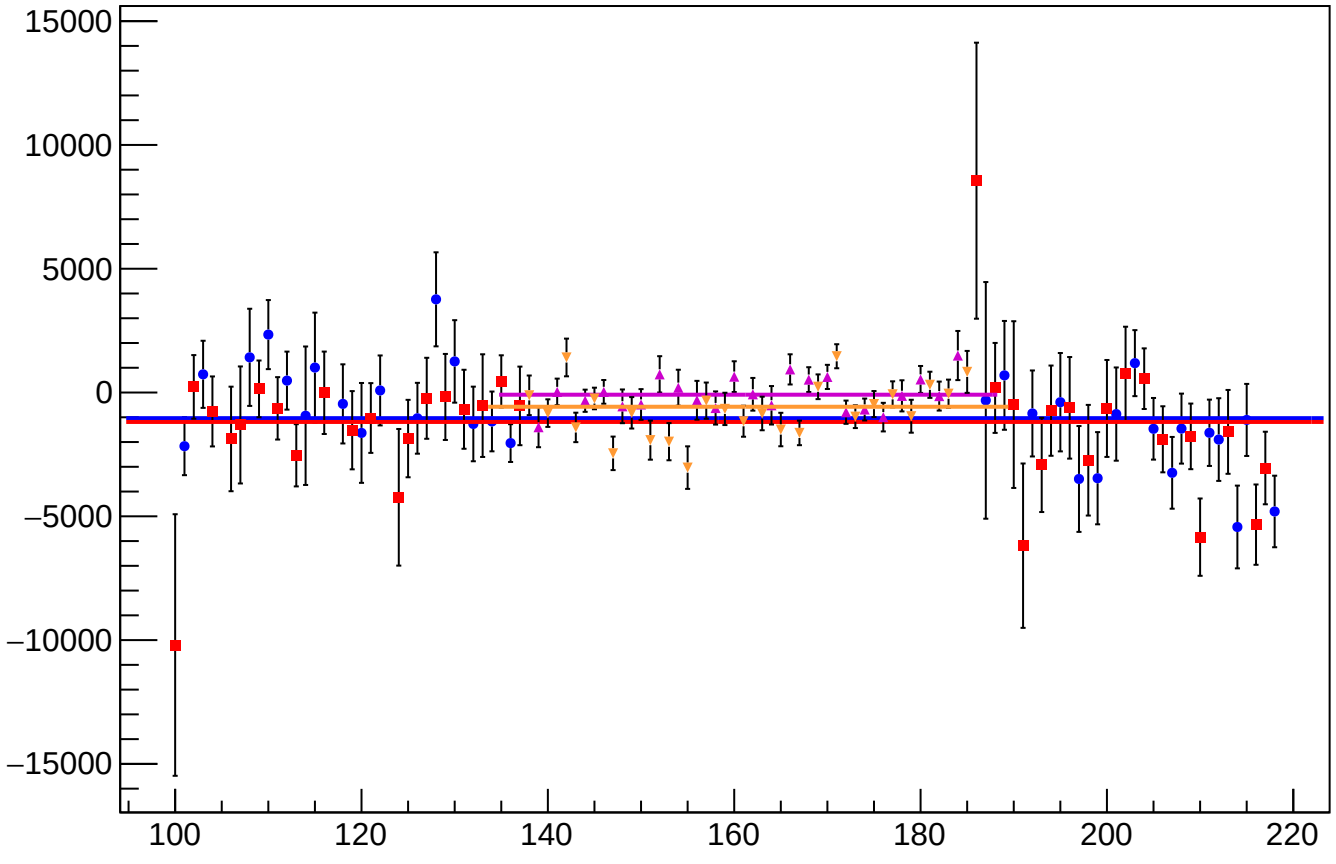
Right Out: 88.726+/-0.015 χ^2/NDF: 5719826.7/35

Left In: 62.144+/-0.010 χ^2/NDF:596754.9/22

+ sign 69.668+/-0.008 χ^2/NDF: 7266173.4/56

All: 70.186+/-0.006 χ^2/NDF: 15701296.2/115

- sign 70.739+/-0.009 χ^2/NDF: 8427050.4/58



Right In: -1035.611+/-264.904 χ^2/NDF: 46.8/31

Left Out: -574.811+/-119.736 χ^2/NDF:68.8/24

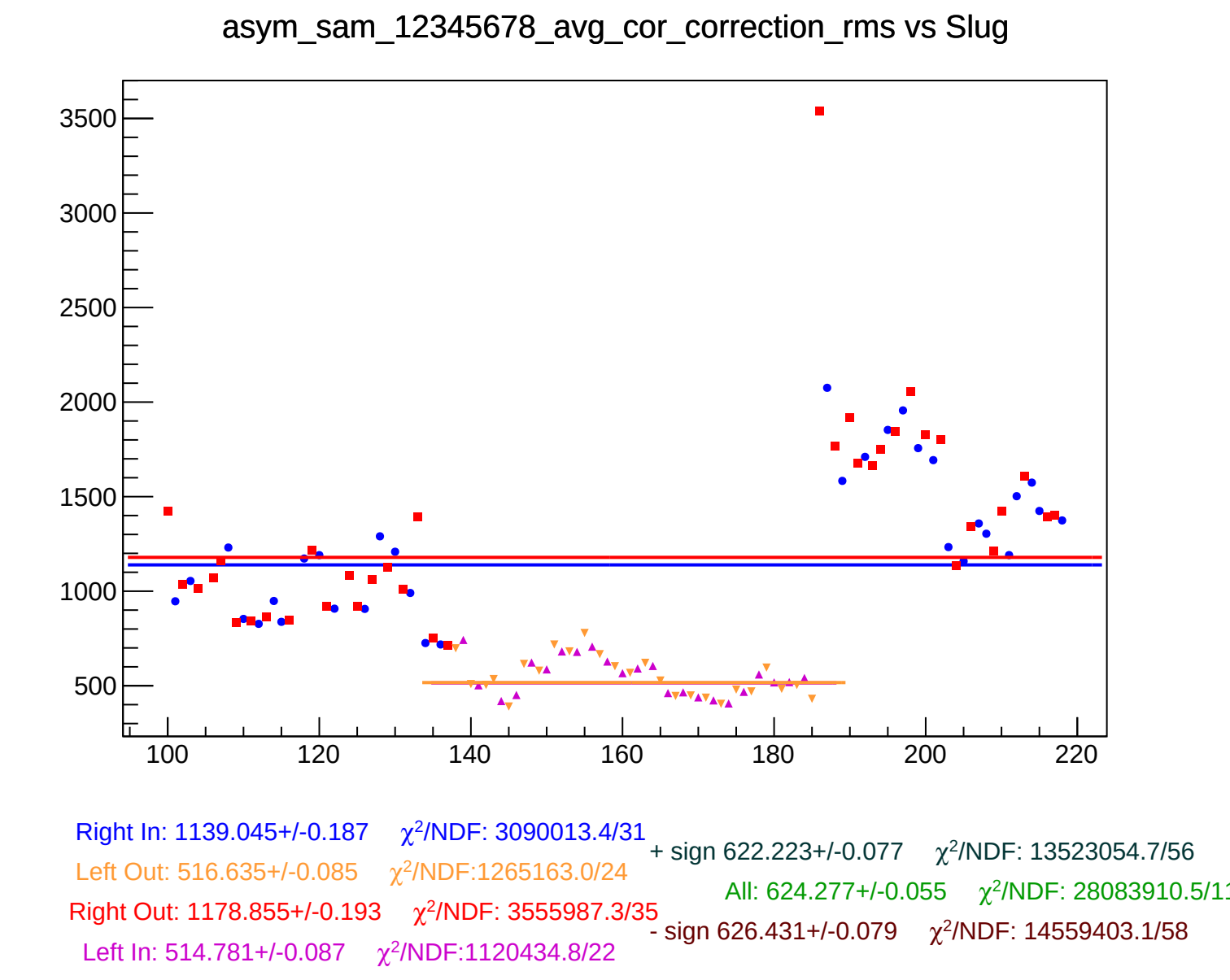
Right Out: -1188.540+/-272.468 χ^2/NDF: 40.5/35

Left In: -88.333+/-122.492 χ^2/NDF:24.6/22

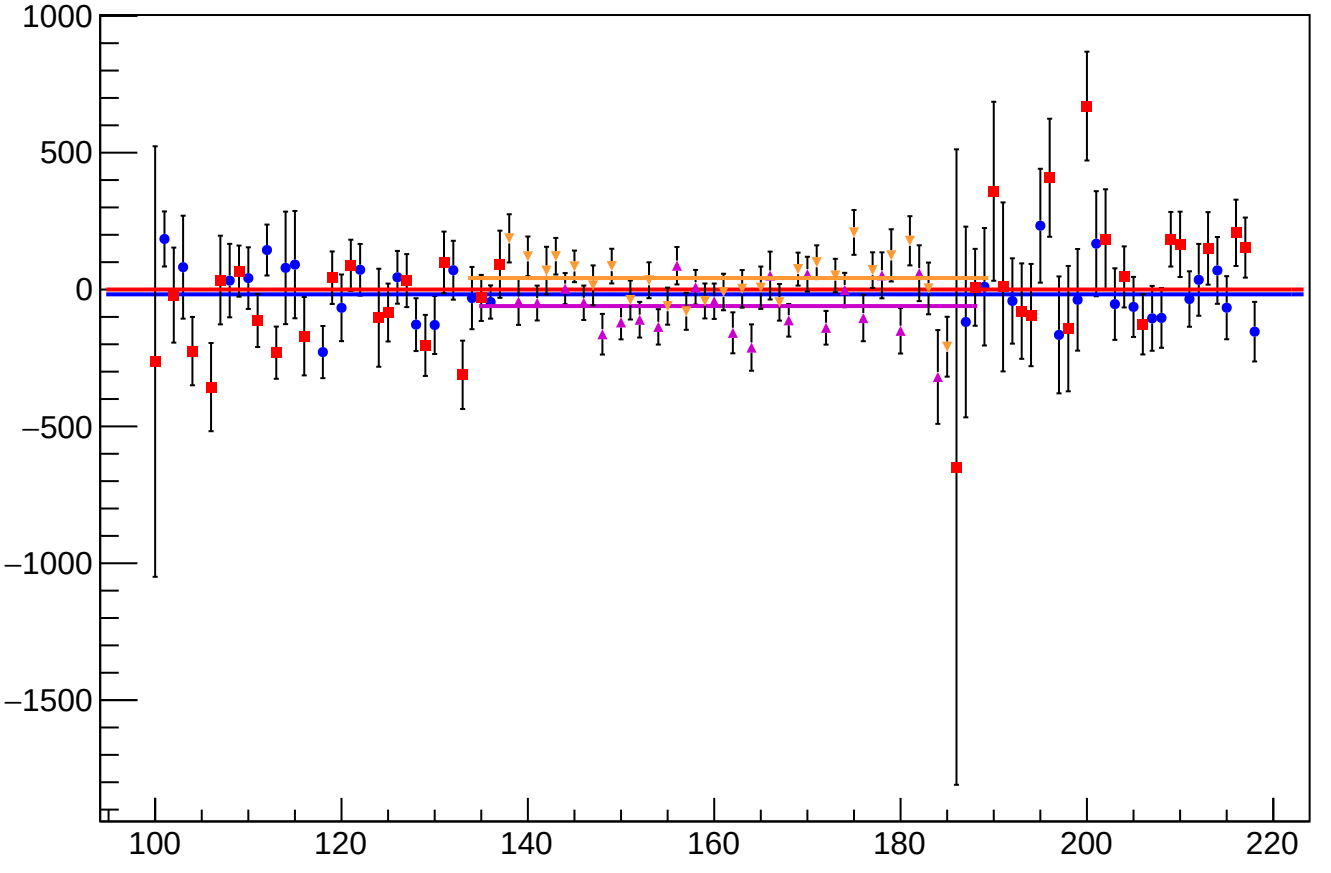
+ sign -652.982+/-109.108 χ^2/NDF: 118.1/56

All: -467.639+/-78.059 χ^2/NDF: 202.7/115

- sign -273.310+/-111.722 χ^2/NDF: 78.7/58


asym_sam_12345678_avg_cor_correction_rms vs Slug
3500
3000
2500
2000
1500
1000
500
100
120
140
160
180
200
220
Right In: 1139.045+/-0.187 χ²/NDF: 3090013.4/31
Left Out: 516.635+/-0.085 χ²/NDF:1265163.0/24
Right Out: 1178.855+/-0.193 χ²/NDF: 3555987.3/35
Left In: 514.781+/-0.087 χ²/NDF:1120434.8/22
+ sign 622.223+/-0.077 χ²/NDF: 13523054.7/56
All: 624.277+/-0.055 χ²/NDF: 28083910.5/11
- sign 626.431+/-0.079 χ²/NDF: 14559403.1/58

eigen_cor_asym_sam_12345678_avg_mean vs Slug



Right In: -17.552+/-20.821 χ^2/NDF: 24.9/31

Left Out: 42.017+/-14.181 χ^2/NDF:32.0/24

Right Out: 0.115+/-21.286 χ^2/NDF: 62.0/35

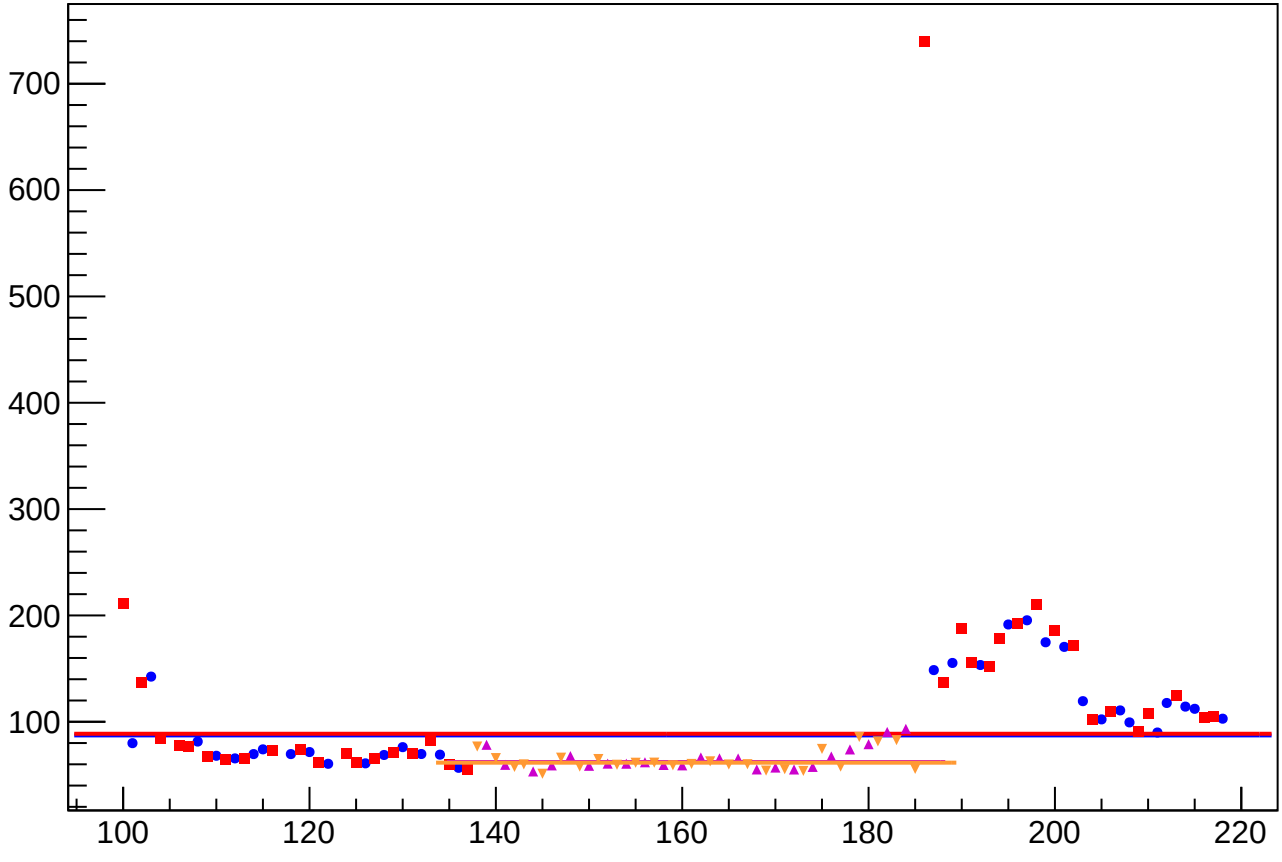
Left In: -60.376+/-14.714 χ^2/NDF:32.2/22

+ sign 23.141+/-11.721 χ^2/NDF: 62.5/56

All: -7.811+/-8.420 χ^2/NDF: 176.6/115

- sign -40.818+/-12.104 χ^2/NDF: 99.7/58

eigen_cor_asym_sam_12345678_avg_rms vs Slug



Right In: 87.183+/-0.015 χ^2/NDF: 4556771.1/31

Left Out: 61.544+/-0.010 χ^2/NDF:637834.9/24

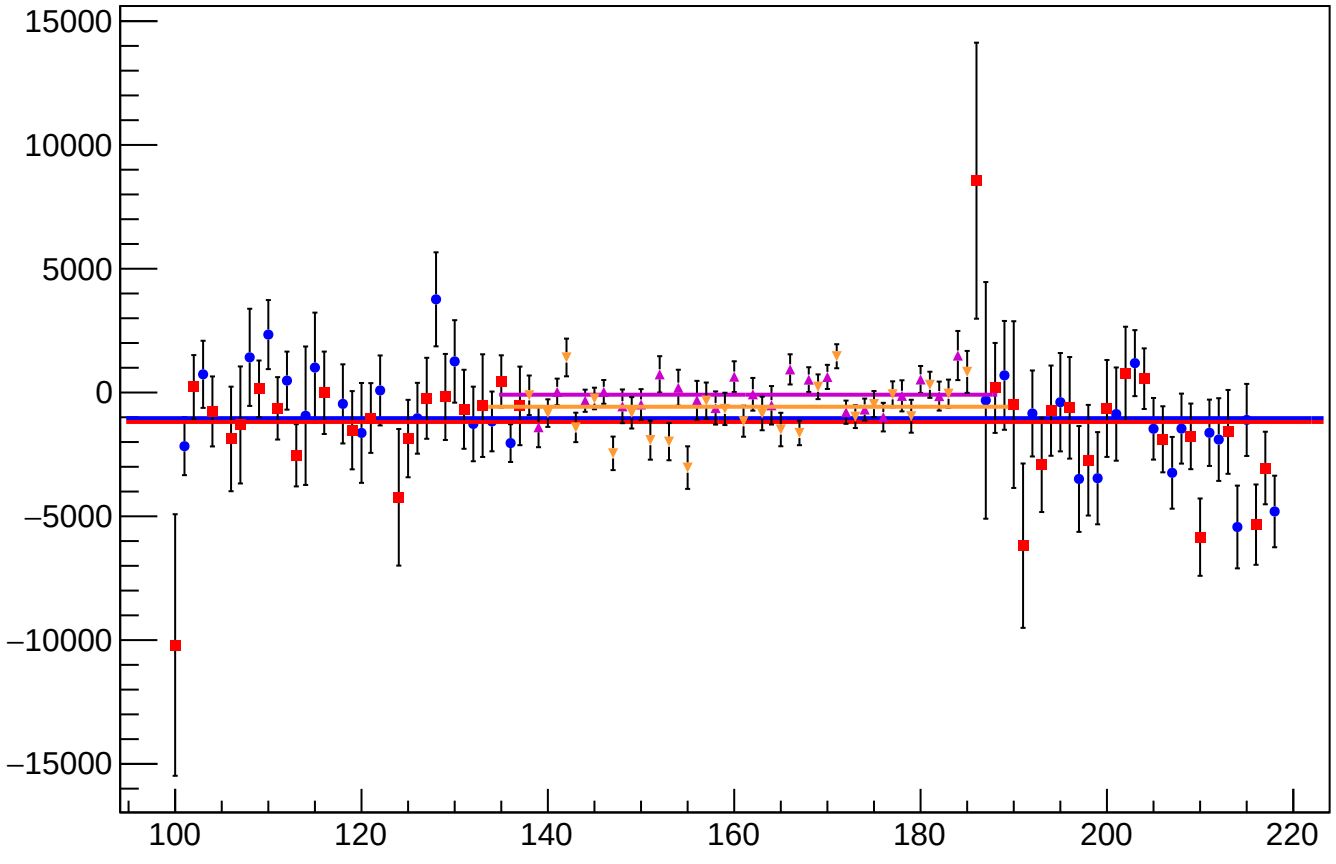
Right Out: 88.726+/-0.015 χ^2/NDF: 5719826.7/35

Left In: 62.144+/-0.010 χ^2/NDF:596754.9/22

+ sign 69.668+/-0.008 χ^2/NDF: 7266173.4/56

All: 70.186+/-0.006 χ^2/NDF: 15701296.2/115

- sign 70.739+/-0.009 χ^2/NDF: 8427050.4/58



Right In: -1035.611+/-264.904 χ^2/NDF: 46.8/31

Left Out: -574.811+/-119.736 χ^2/NDF:68.8/24

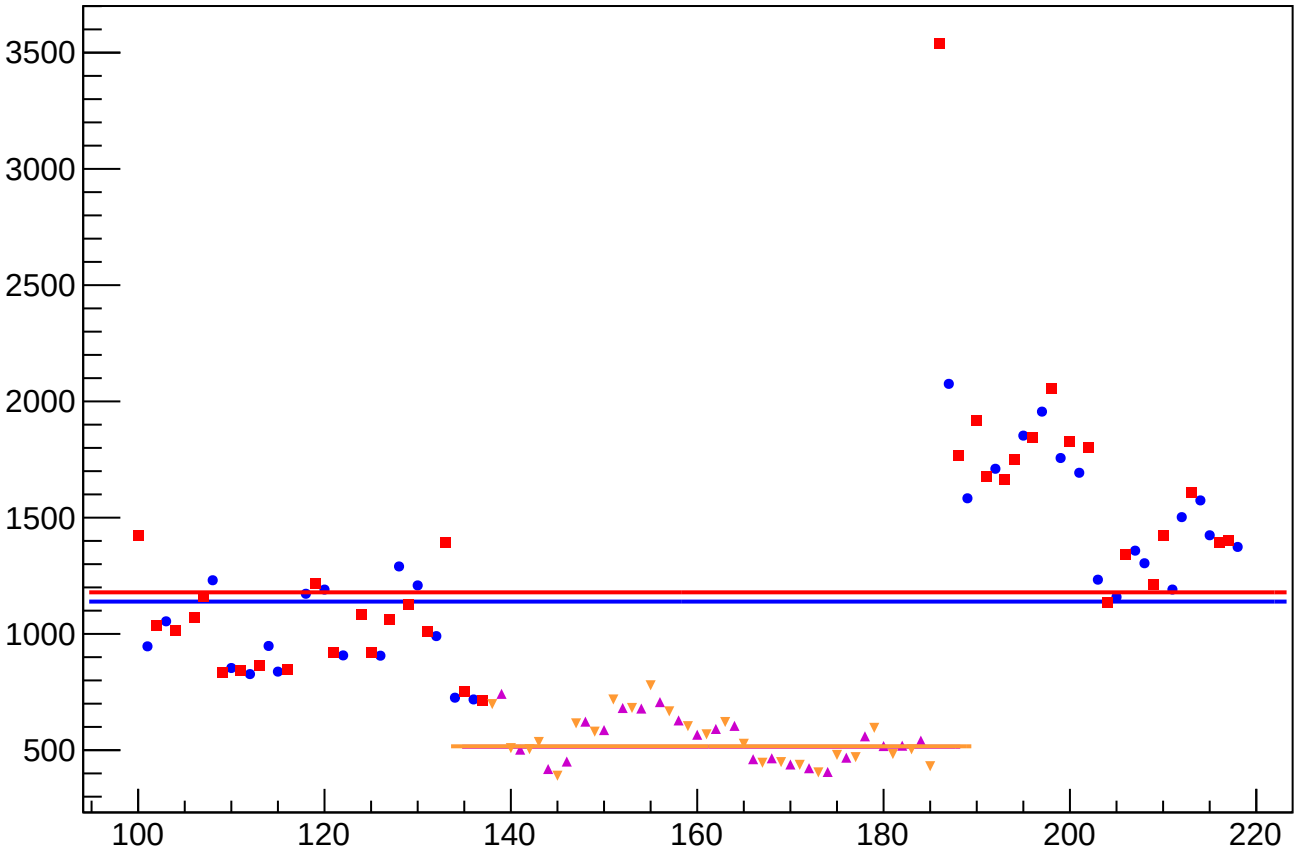
Right Out: -1188.540+/-272.468 χ^2/NDF: 40.5/35

Left In: -88.333+/-122.492 χ^2/NDF:24.6/22

+ sign -652.982+/-109.108 χ^2/NDF: 118.1/56

All: -467.639+/-78.059 χ^2/NDF: 202.7/115

- sign -273.310+/-111.722 χ^2/NDF: 78.7/58



Right In: 1139.045+/-0.187 χ^2/NDF: 3090013.4/31

Left Out: 516.635+/-0.085 χ^2/NDF:1265163.0/24

Right Out: 1178.855+/-0.193 χ^2/NDF: 3555987.3/35

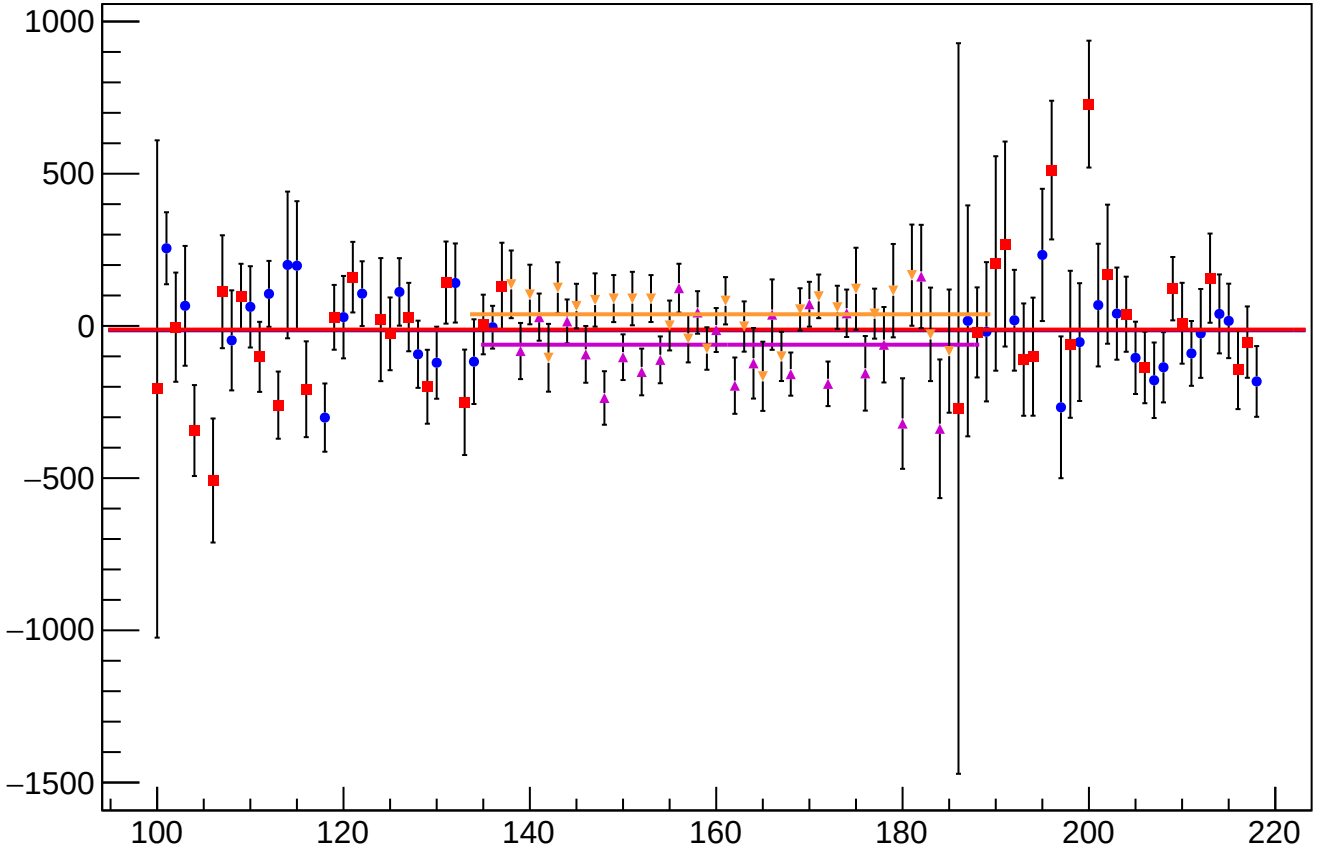
Left In: 514.781+/-0.087 χ^2/NDF:1120434.8/22

+ sign 622.223+/-0.077 χ^2/NDF: 13523054.7/56

All: 624.277+/-0.055 χ^2/NDF: 28083910.5/11

- sign 626.431+/-0.079 χ^2/NDF: 14559403.1/58

dit_asym_sam_12345678_avg_mean vs Slug



Right In: -14.329+/-23.379 χ^2/NDF: 30.4/31

Left Out: 38.281+/-17.669 χ^2/NDF:18.8/24

Right Out: -12.086+/-24.074 χ^2/NDF: 54.5/35

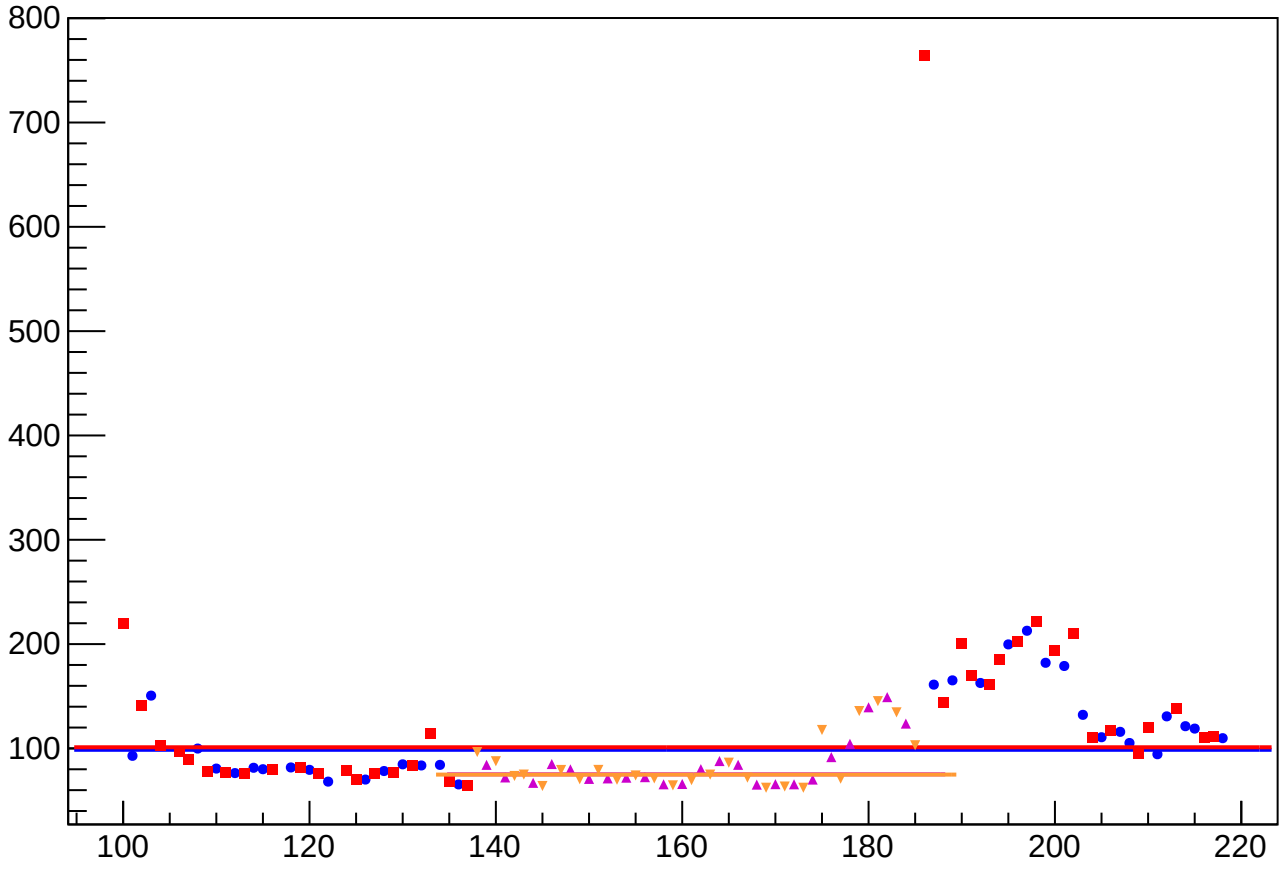
Left In: -61.723+/-18.192 χ^2/NDF:36.7/22

\+ sign 19.155+/-14.096 χ^2/NDF: 52.5/56

All: -11.347+/-10.112 χ^2/NDF: 156.0/115

\- sign -43.682+/-14.514 χ^2/NDF: 93.9/58

dit_asym_sam_12345678_avg_rms vs Slug



Right In: 98.677+/-0.017 χ^2/NDF: 3786866.8/31

Left Out: 74.903+/-0.012 χ^2/NDF:1661552.1/24

Right Out: 101.097+/-0.017 χ^2/NDF: 4980748.8/35

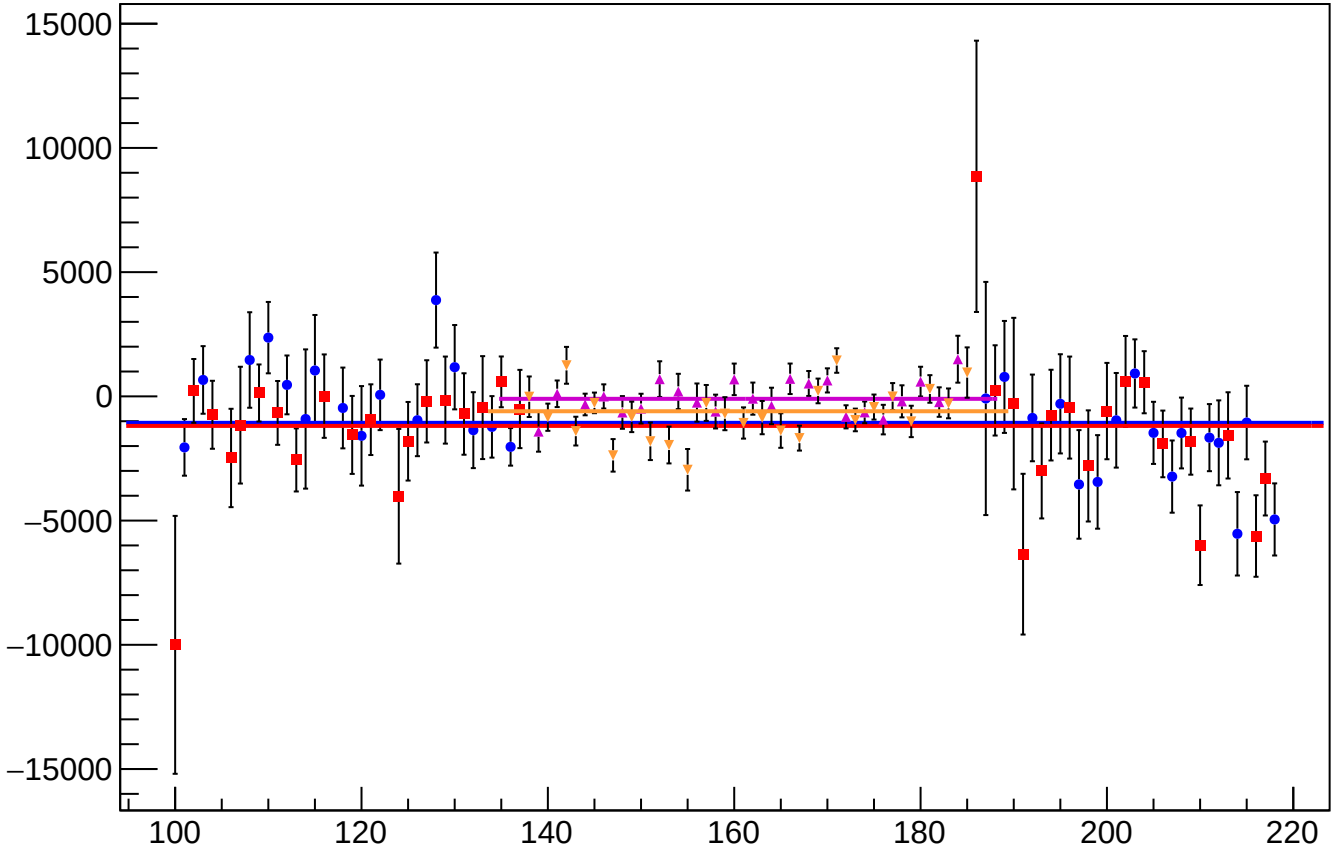
Left In: 75.156+/-0.013 χ^2/NDF:1312543.0/22

+ sign 83.546+/-0.010 χ^2/NDF: 6764727.7/56

All: 84.050+/-0.007 χ^2/NDF: 14541527.9/115

- sign 84.584+/-0.010 χ^2/NDF: 7771530.4/58

asym_sam_12345678_avg_dit_correction_mean vs Slug



Right In: -1065.126+/-266.687 χ^2/NDF: 46.2/31

Left Out: -598.826+/-119.324 χ^2/NDF:65.0/24

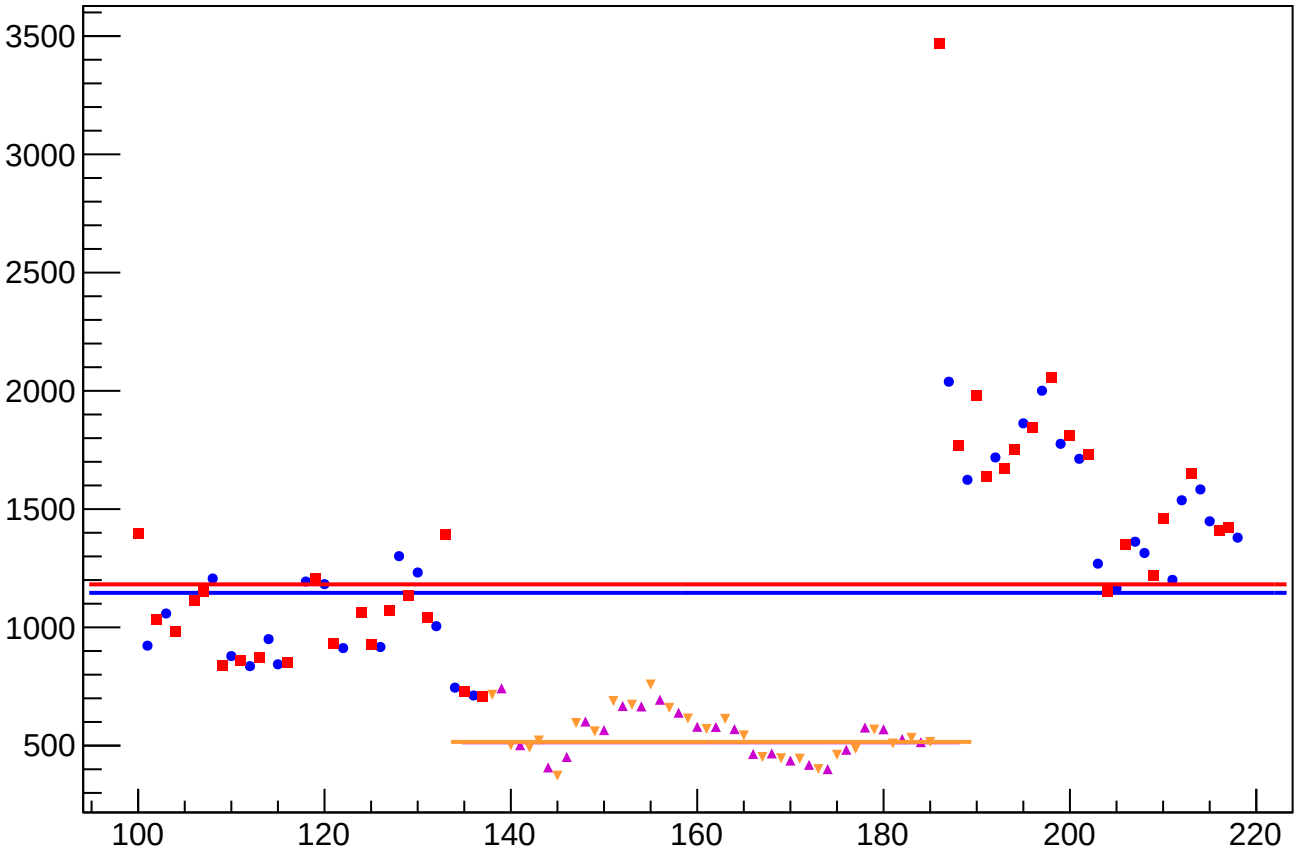
Right Out: -1189.124+/-272.766 χ^2/NDF: 43.4/35

Left In: -99.102+/-122.310 χ^2/NDF:23.7/22

+ sign -676.606+/-108.918 χ^2/NDF: 113.8/56

All: -483.903+/-77.949 χ^2/NDF: 200.6/115

- sign -281.581+/-111.604 χ^2/NDF: 80.3/58



Right In: 1145.909+/-0.189 χ^2/NDF: 3161233.5/31

Left Out: 515.762+/-0.084 χ^2/NDF:1232478.6/24

Right Out: 1181.822+/-0.193 χ^2/NDF: 3582970.1/35

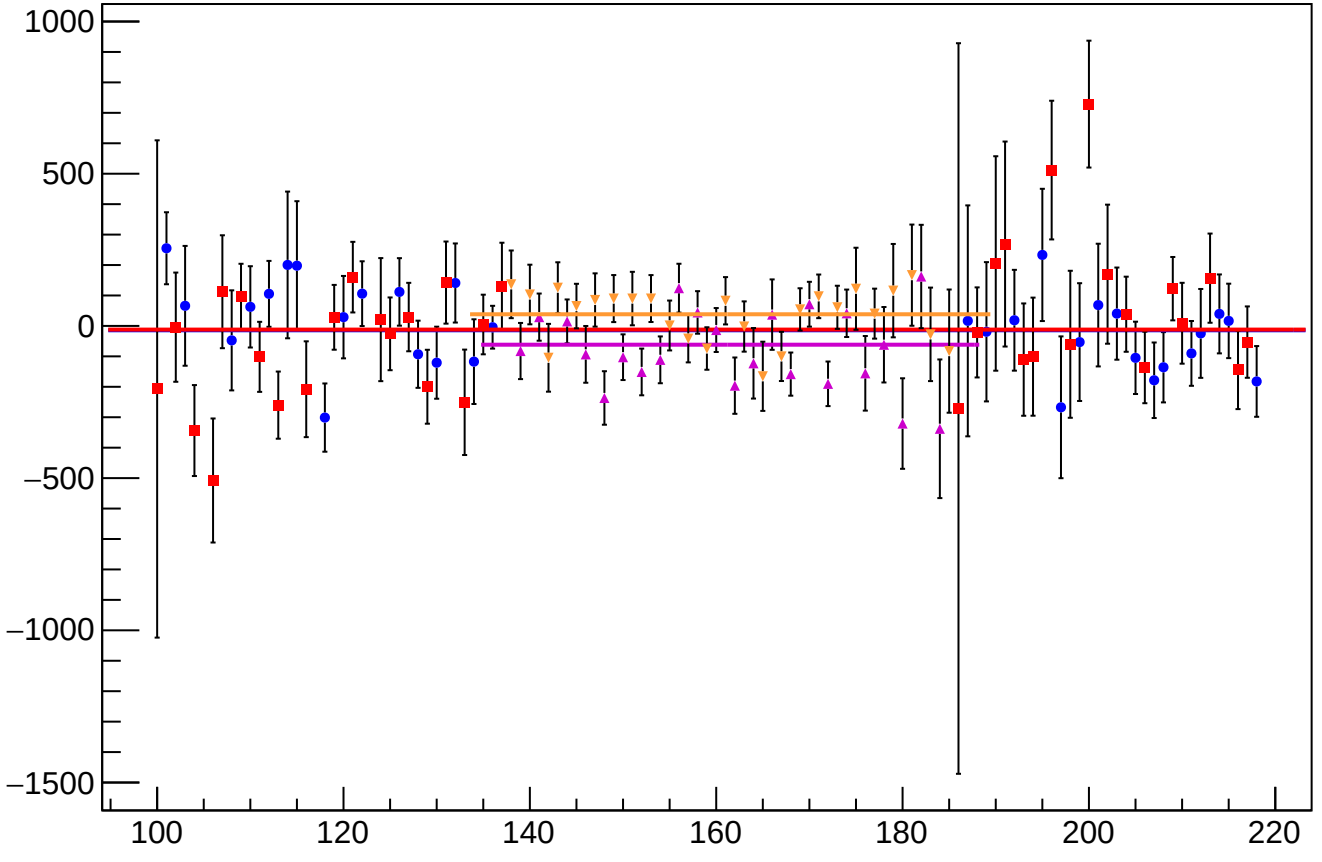
Left In: 514.088+/-0.086 χ^2/NDF:1116884.3/22

+ sign 620.871+/-0.077 χ^2/NDF: 13697499.1/56

All: 623.311+/-0.055 χ^2/NDF: 28378415.4/11

- sign 625.872+/-0.079 χ^2/NDF: 14678859.4/58

eigen_dit_asym_sam_12345678_avg_mean vs Slug



Right In: -14.327+/-23.379 χ^2/NDF: 30.4/31

Left Out: 38.282+/-17.670 χ^2/NDF:18.8/24

Right Out: -12.084+/-24.074 χ^2/NDF: 54.5/35

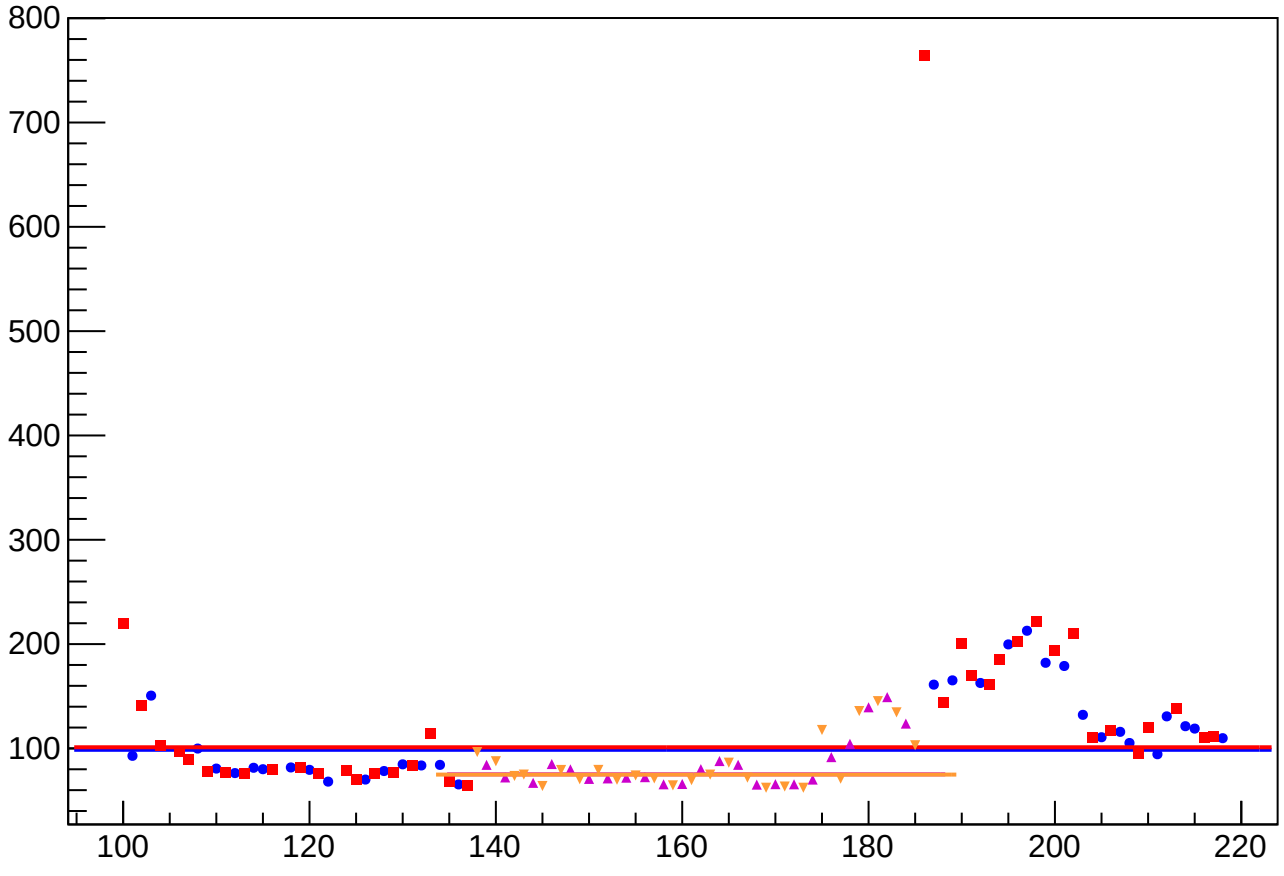
Left In: -61.723+/-18.192 χ^2/NDF:36.7/22

+ sign 19.156+/-14.096 χ^2/NDF: 52.5/56

All: -11.346+/-10.112 χ^2/NDF: 156.0/115

- sign -43.681+/-14.514 χ^2/NDF: 93.9/58

eigen_dit_asym_sam_12345678_avg_rms vs Slug



Right In: 98.677+/-0.017 χ^2/NDF: 3786880.6/31

Left Out: 74.903+/-0.012 χ^2/NDF:1661550.3/24

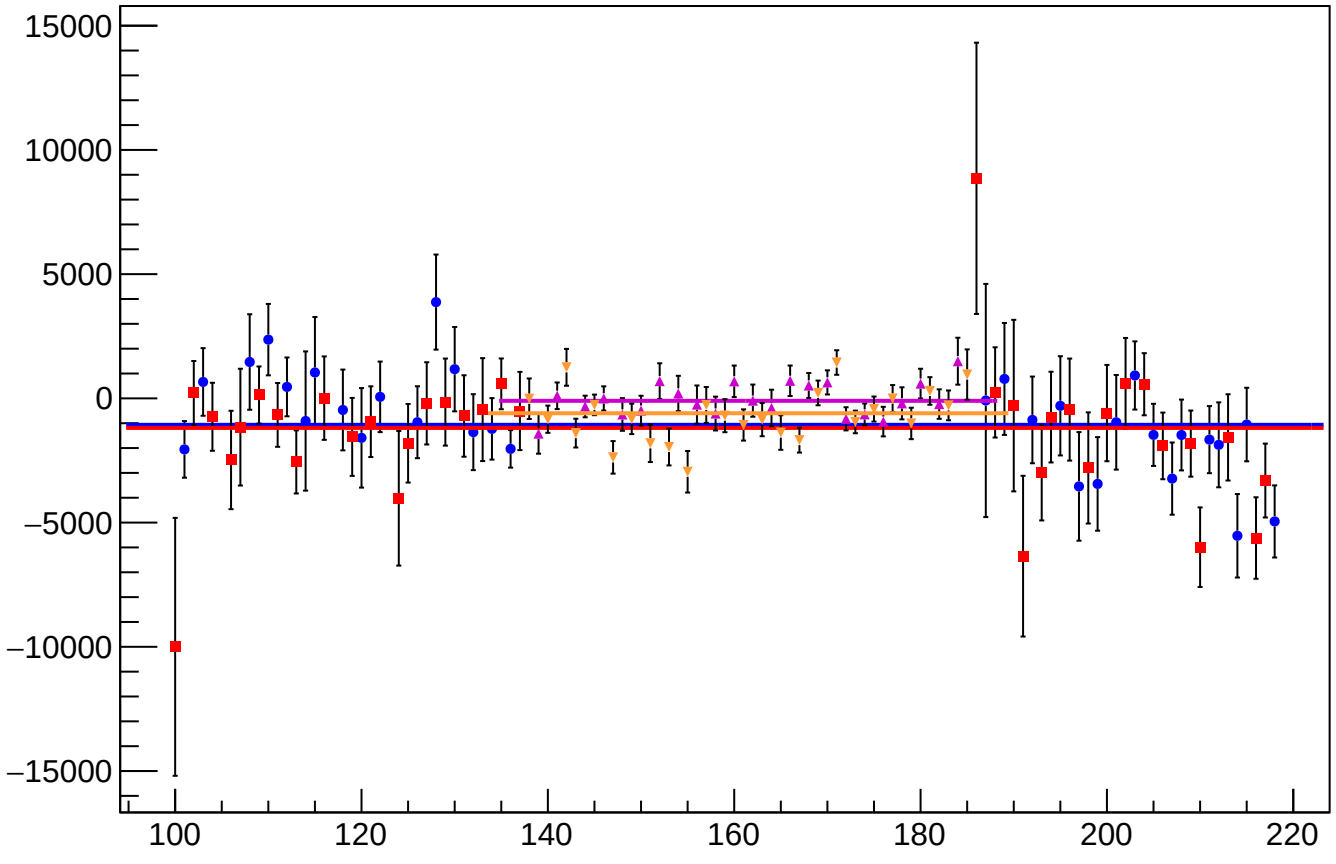
Right Out: 101.097+/-0.017 χ^2/NDF: 4980776.8/35

Left In: 75.156+/-0.013 χ^2/NDF:1312527.7/22

+ sign 83.546+/-0.010 χ^2/NDF: 6764692.5/56

All: 84.050+/-0.007 χ^2/NDF: 14541454.9/115

- sign 84.585+/-0.010 χ^2/NDF: 7771492.3/58



Right In: -1065.122+/-266.686 χ^2/NDF: 46.2/31

Left Out: -598.825+/-119.324 χ^2/NDF:65.0/24

Right Out: -1189.121+/-272.766 χ^2/NDF: 43.4/35

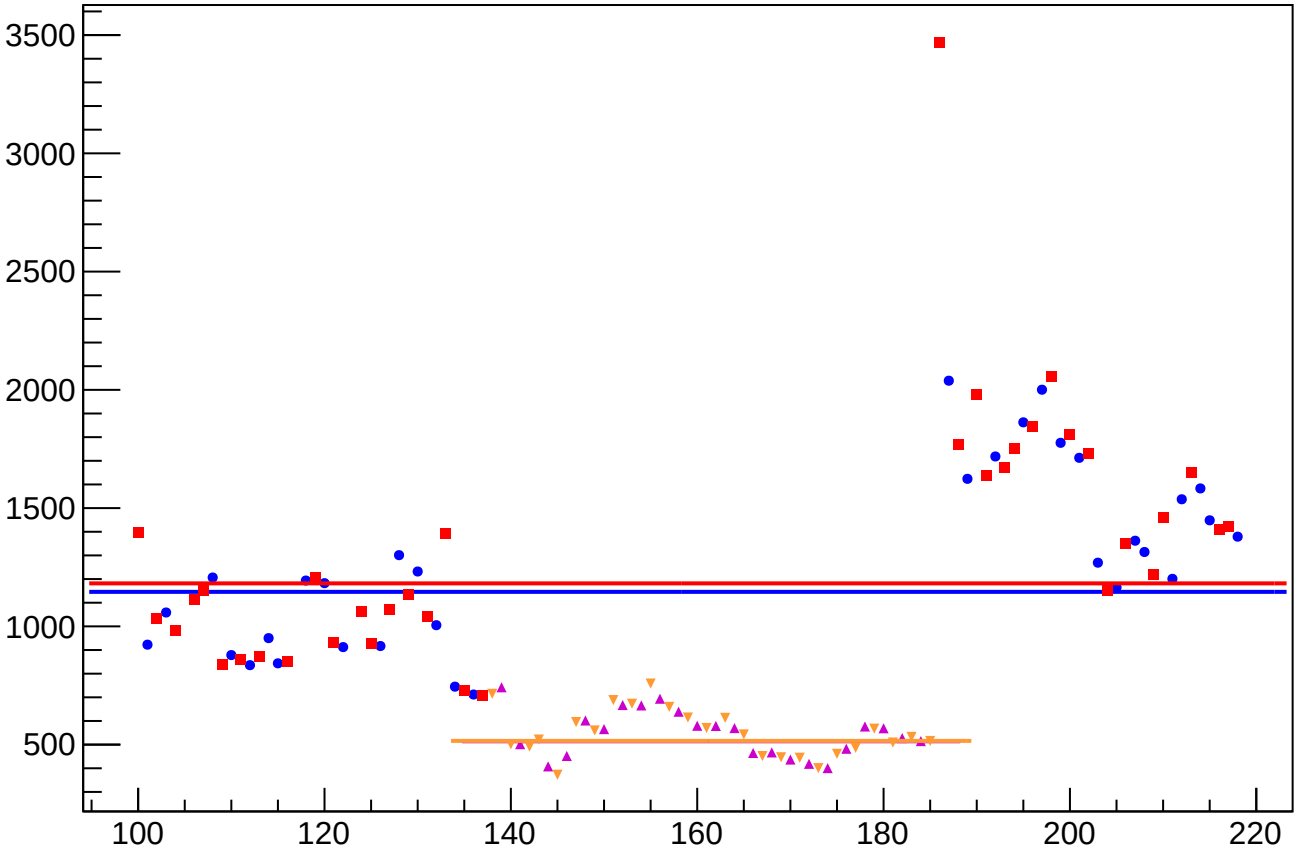
Left In: -99.101+/-122.310 χ^2/NDF:23.7/22

+ sign -676.604+/-108.918 χ^2/NDF: 113.8/56

All: -483.902+/-77.949 χ^2/NDF: 200.6/115

- sign -281.580+/-111.604 χ^2/NDF: 80.3/58

asym_sam_12345678_avg_eigen_dit_correction_rms vs Slug



Right In: 1145.907+/-0.189 χ^2/NDF: 3161244.2/31

Left Out: 515.761+/-0.084 χ^2/NDF:1232481.1/24

Right Out: 1181.819+/-0.193 χ^2/NDF: 3582983.5/35

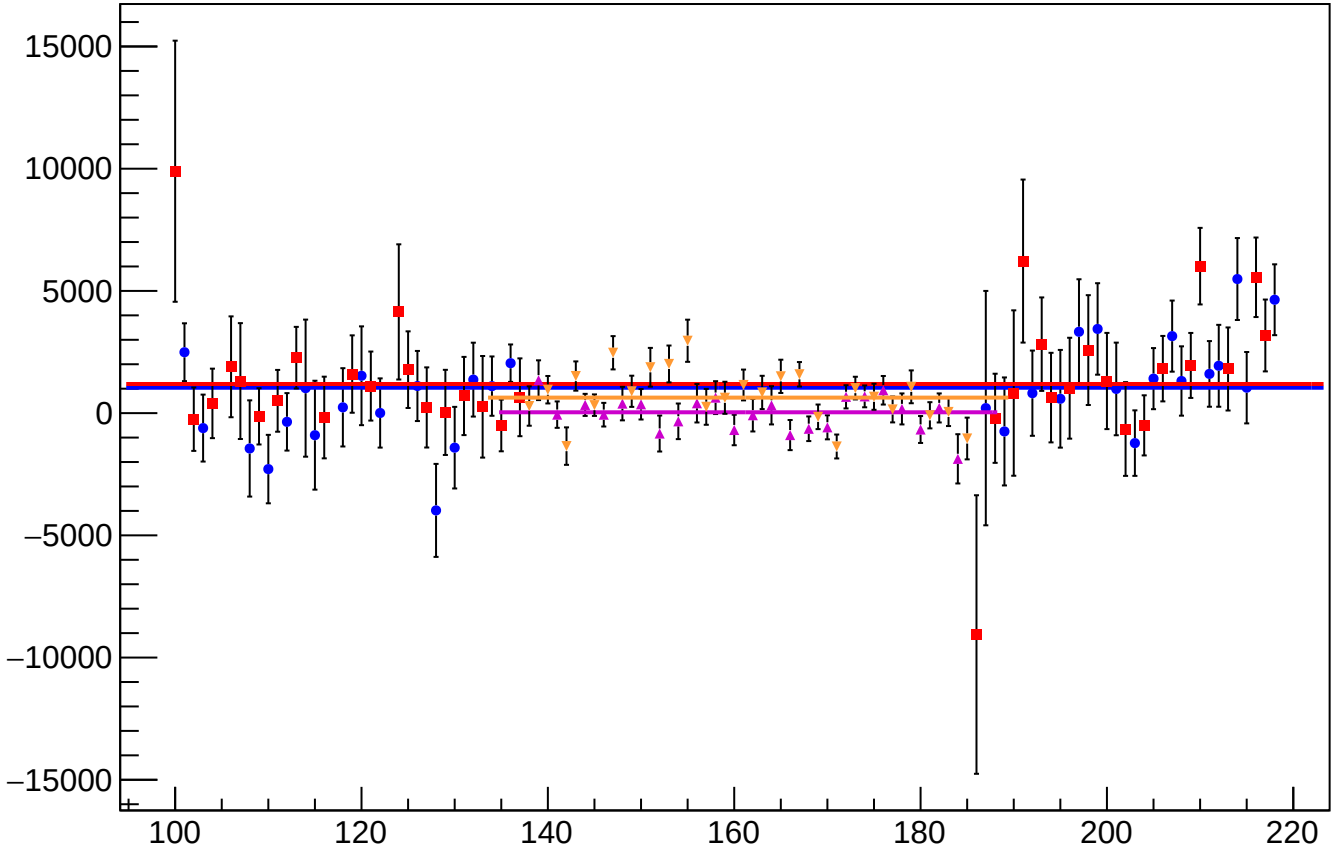
Left In: 514.087+/-0.086 χ^2/NDF:1116882.7/22

+ sign 620.870+/-0.077 χ^2/NDF: 13697512.2/56

All: 623.310+/-0.055 χ^2/NDF: 28378435.2/11

- sign 625.871+/-0.079 χ^2/NDF: 14678866.0/58

asym_sam_12345678_avg_mean vs Slug



Right In: 1039.337+/-266.003 χ^2/NDF: 46.4/31

Left Out: 634.783+/-120.717 χ^2/NDF:64.5/24

Right Out: 1192.183+/-273.385 χ^2/NDF: 41.8/35

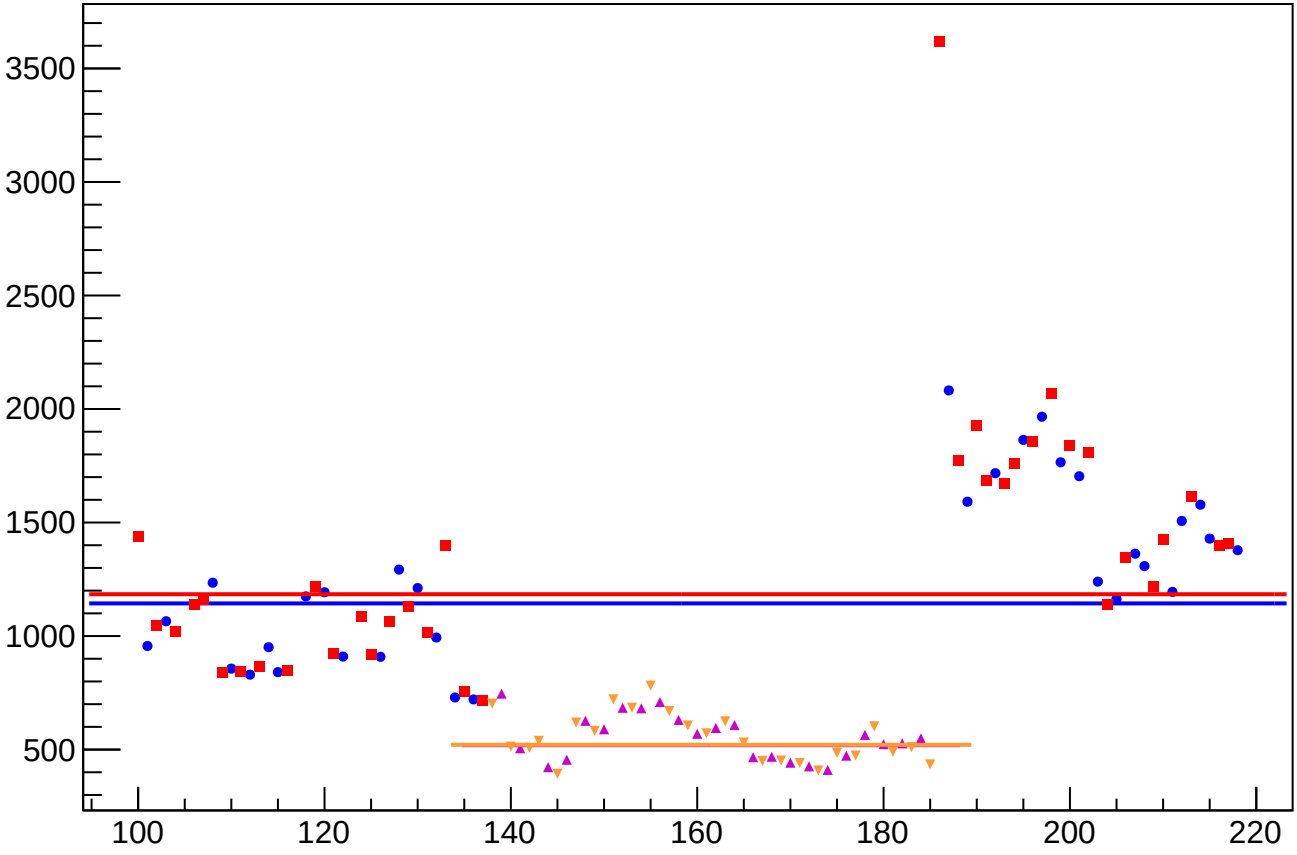
Left In: 34.808+/-123.517 χ^2/NDF:25.1/22

+ sign 703.872+/-109.927 χ^2/NDF: 112.8/56

All: 473.042+/-78.645 χ^2/NDF: 203.6/115

- sign 231.012+/-112.562 χ^2/NDF: 81.8/58

asym_sam_12345678_avg_rms vs Slug



Right In: 1143.777+/-0.188 χ^2/NDF: 3089687.1/31

Left Out: 521.025+/-0.085 χ^2/NDF:1243003.9/24

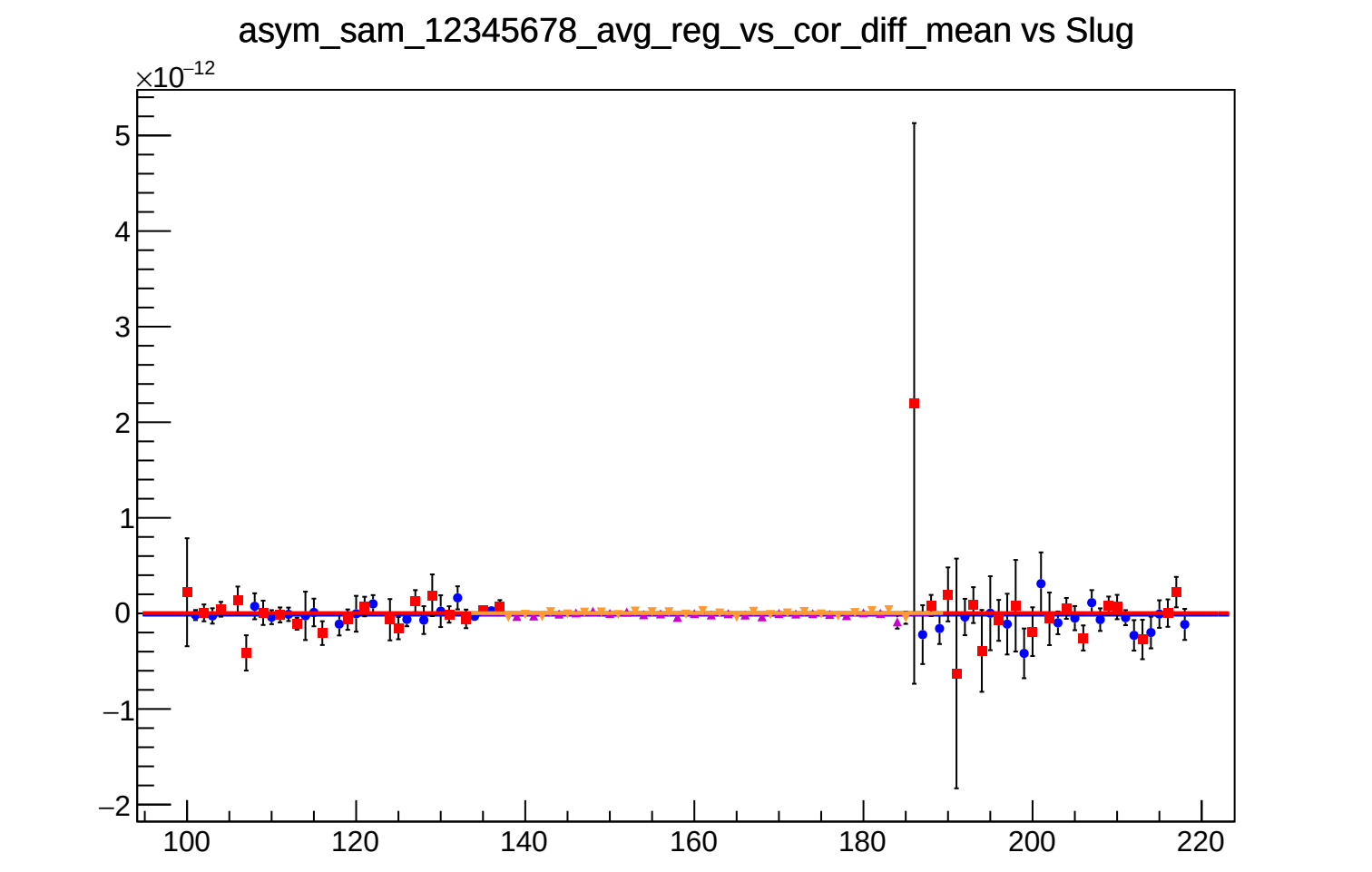
Right Out: 1184.239+/-0.193 χ^2/NDF: 3565127.5/35

Left In: 519.239+/-0.087 χ^2/NDF:1100553.3/22

+ sign 627.377+/-0.078 χ^2/NDF: 13422540.1/56

All: 629.621+/-0.056 χ^2/NDF: 27917595.0/11

- sign 631.973+/-0.080 χ^2/NDF: 14493348.3/58



Right In: -0.000+/-0.000 χ^2/NDF: 17.6/31

Left Out: 0.000+/-0.000 χ^2/NDF:22.4/24

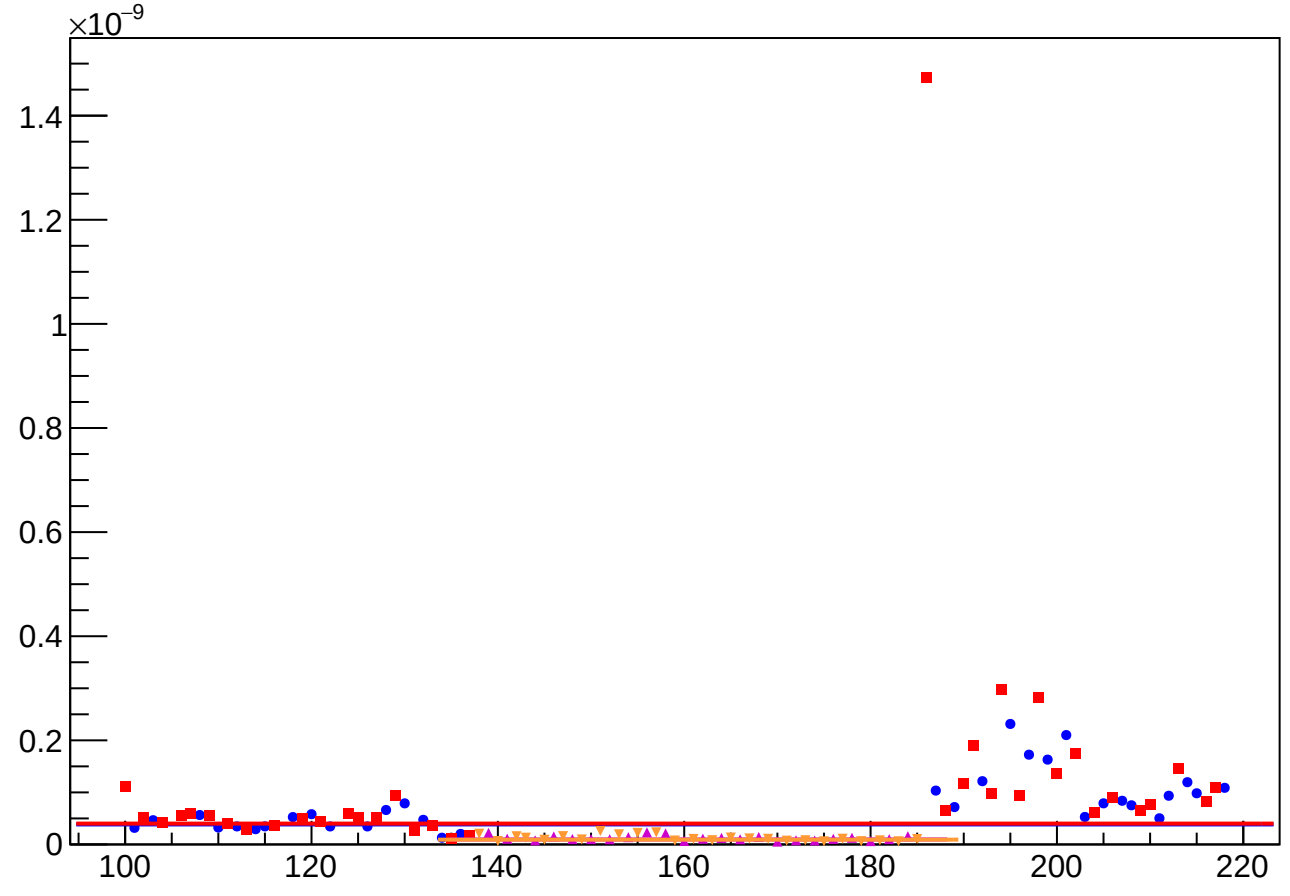
Right Out: 0.000+/-0.000 χ^2/NDF: 31.8/35

Left In: -0.000+/-0.000 χ^2/NDF:10.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 41.0/56

All: -0.000+/-0.000 χ^2/NDF: 85.1/115

- sign -0.000+/-0.000 χ^2/NDF: 42.8/58



Right In: 0.000+/-0.000 χ^2/NDF: 6350877.2/31

Left Out: 0.000+/-0.000 χ^2/NDF:2137290.7/24

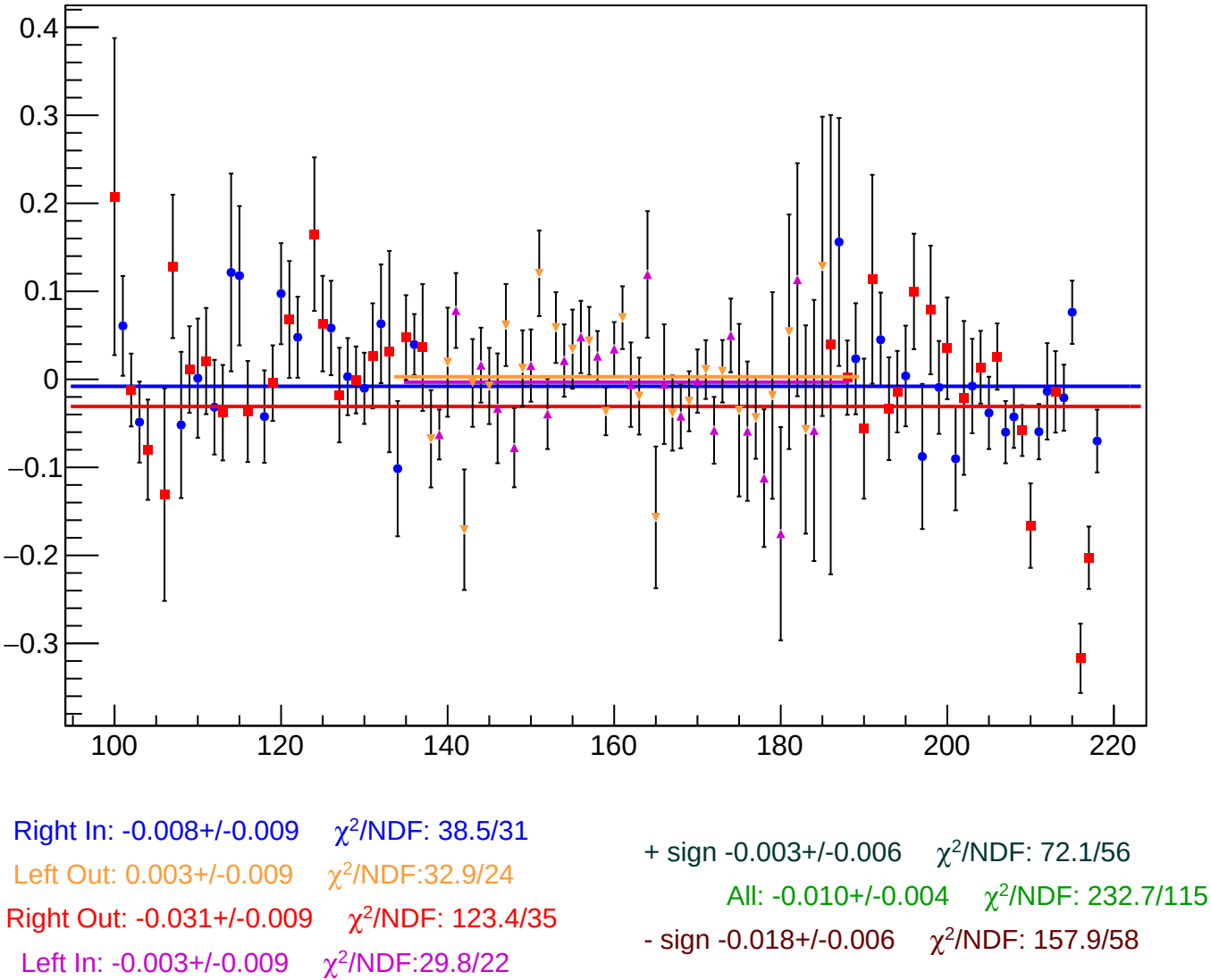
Right Out: 0.000+/-0.000 χ^2/NDF: 7097658.5/35

Left In: 0.000+/-0.000 χ^2/NDF:1614718.4/22

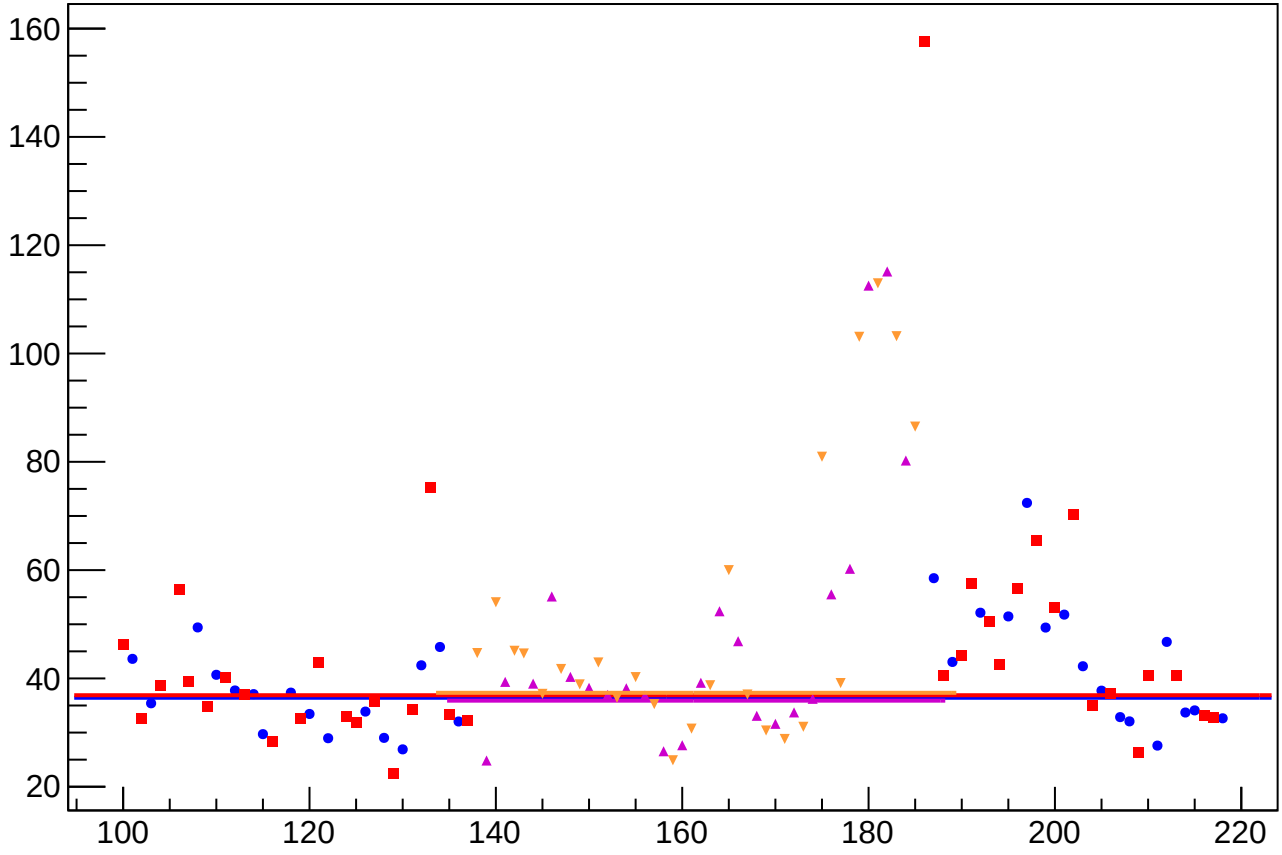
+ sign 0.000+/-0.000 χ^2/NDF: 14771736.1/56

All: 0.000+/-0.000 χ^2/NDF: 29306115.2/115

- sign 0.000+/-0.000 χ^2/NDF: 14525572.1/58


asym_sam_12345678_avg_dit_vs_cor_diff_mean vs Slug
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
100
120
140
160
180
200
220
Right In: -0.008+/-0.009 χ²/NDF: 38.5/31
Left Out: 0.003+/-0.009 χ²/NDF:32.9/24
Right Out: -0.031+/-0.009 χ²/NDF: 123.4/35
Left In: -0.003+/-0.009 χ²/NDF:29.8/22
+ sign -0.003+/-0.006 χ²/NDF: 72.1/56
All: -0.010+/-0.004 χ²/NDF: 232.7/115
- sign -0.018+/-0.006 χ²/NDF: 157.9/58

asym_sam_12345678_avg_dit_vs_cor_diff_rms vs Slug



Right In: 36.432+/-0.006 χ^2/NDF: 1782409.2/31

Left Out: 37.344+/-0.007 χ^2/NDF:3696647.0/24

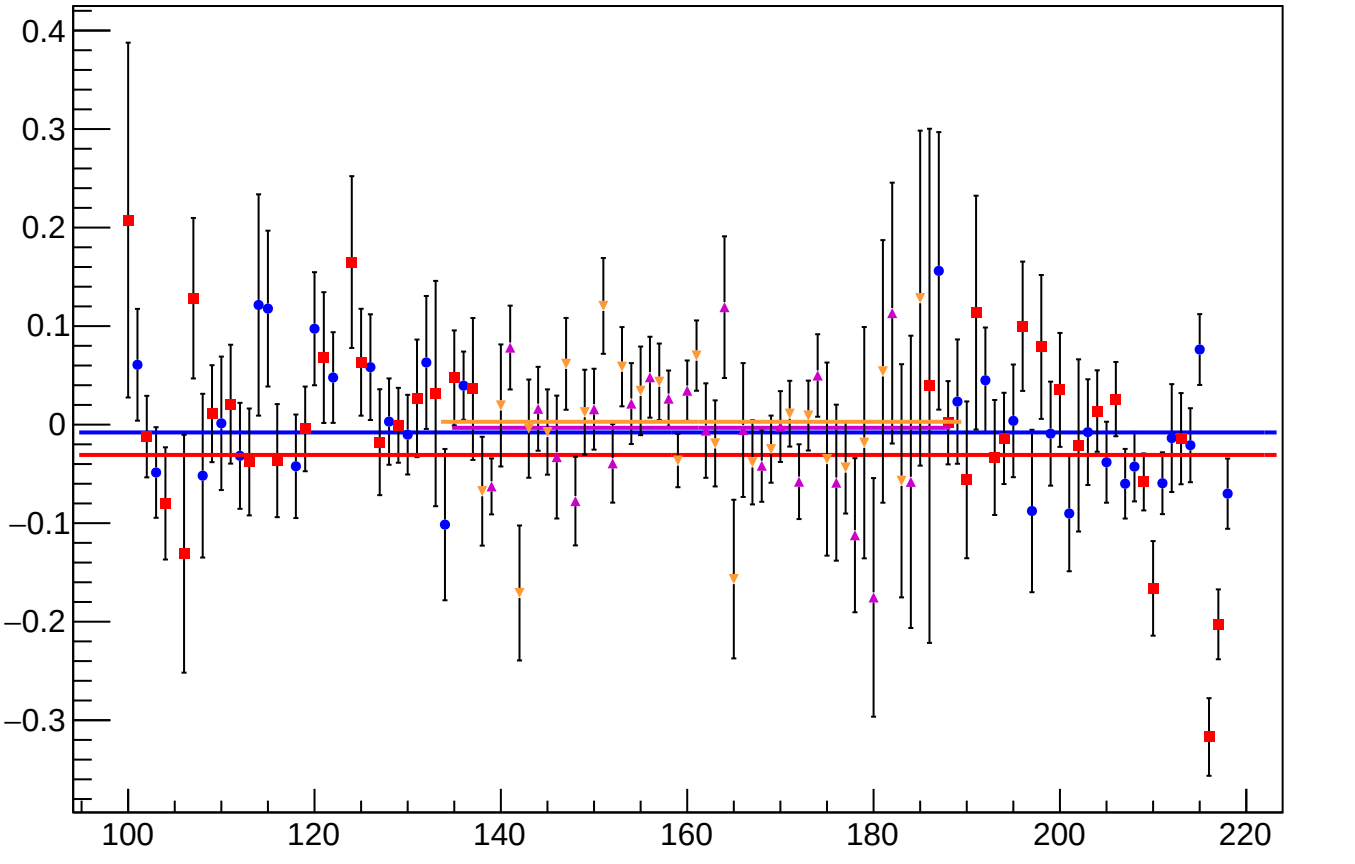
Right Out: 36.898+/-0.006 χ^2/NDF: 2671108.0/35

Left In: 35.896+/-0.006 χ^2/NDF:3138291.6/22

+ sign 36.855+/-0.004 χ^2/NDF: 5489466.8/56

All: 36.637+/-0.003 χ^2/NDF: 11316106.4/115

- sign 36.418+/-0.004 χ^2/NDF: 5821868.7/58



Right In: -0.008+/-0.009 χ^2/NDF: 38.5/31

Left Out: 0.003+/-0.009 χ^2/NDF:32.9/24

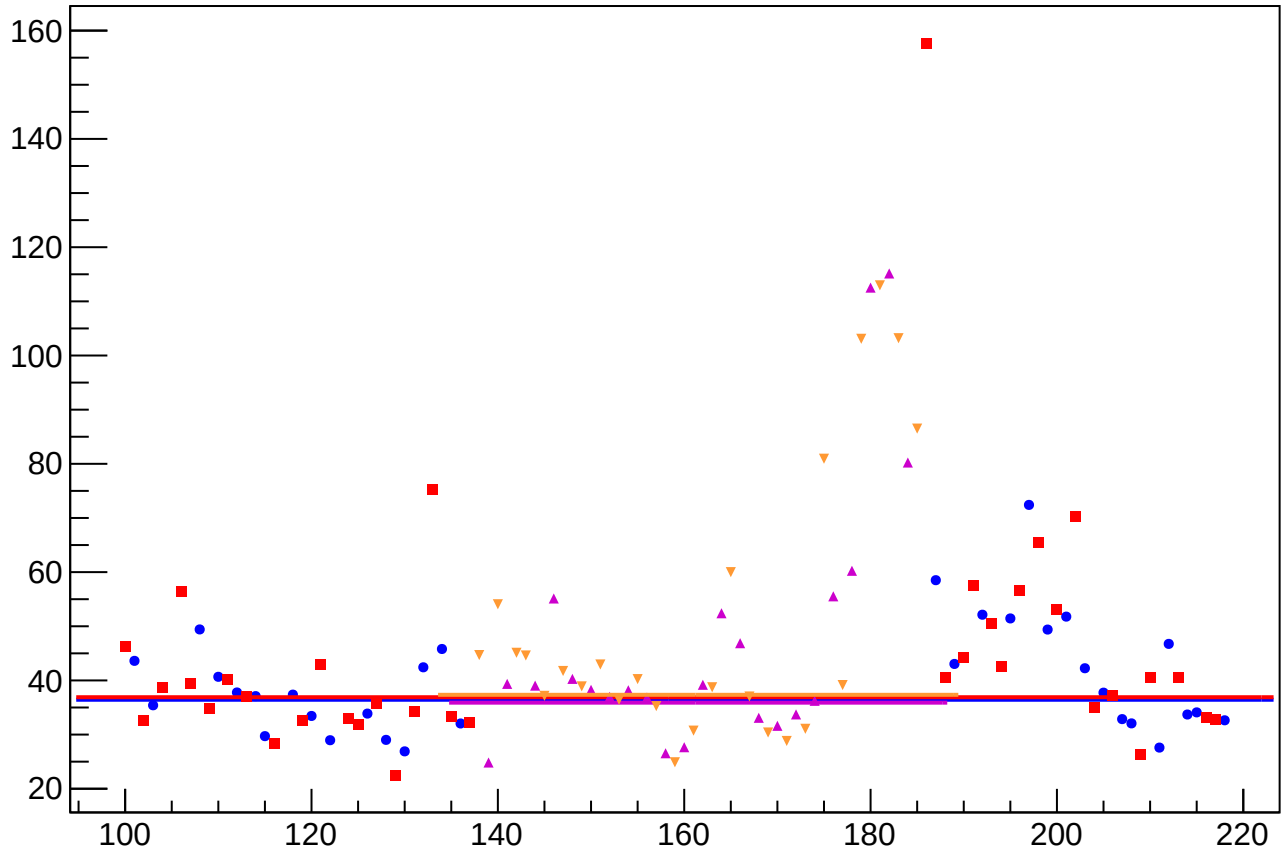
Right Out: -0.031+/-0.009 χ^2/NDF: 123.4/35

Left In: -0.003+/-0.009 χ^2/NDF:29.8/22

+ sign -0.003+/-0.006 χ^2/NDF: 72.1/56

All: -0.010+/-0.004 χ^2/NDF: 232.7/115

- sign -0.018+/-0.006 χ^2/NDF: 157.9/58



Right In: 36.432+/-0.006 χ^2/NDF: 1782409.2/31

Left Out: 37.344+/-0.007 χ^2/NDF:3696647.0/24

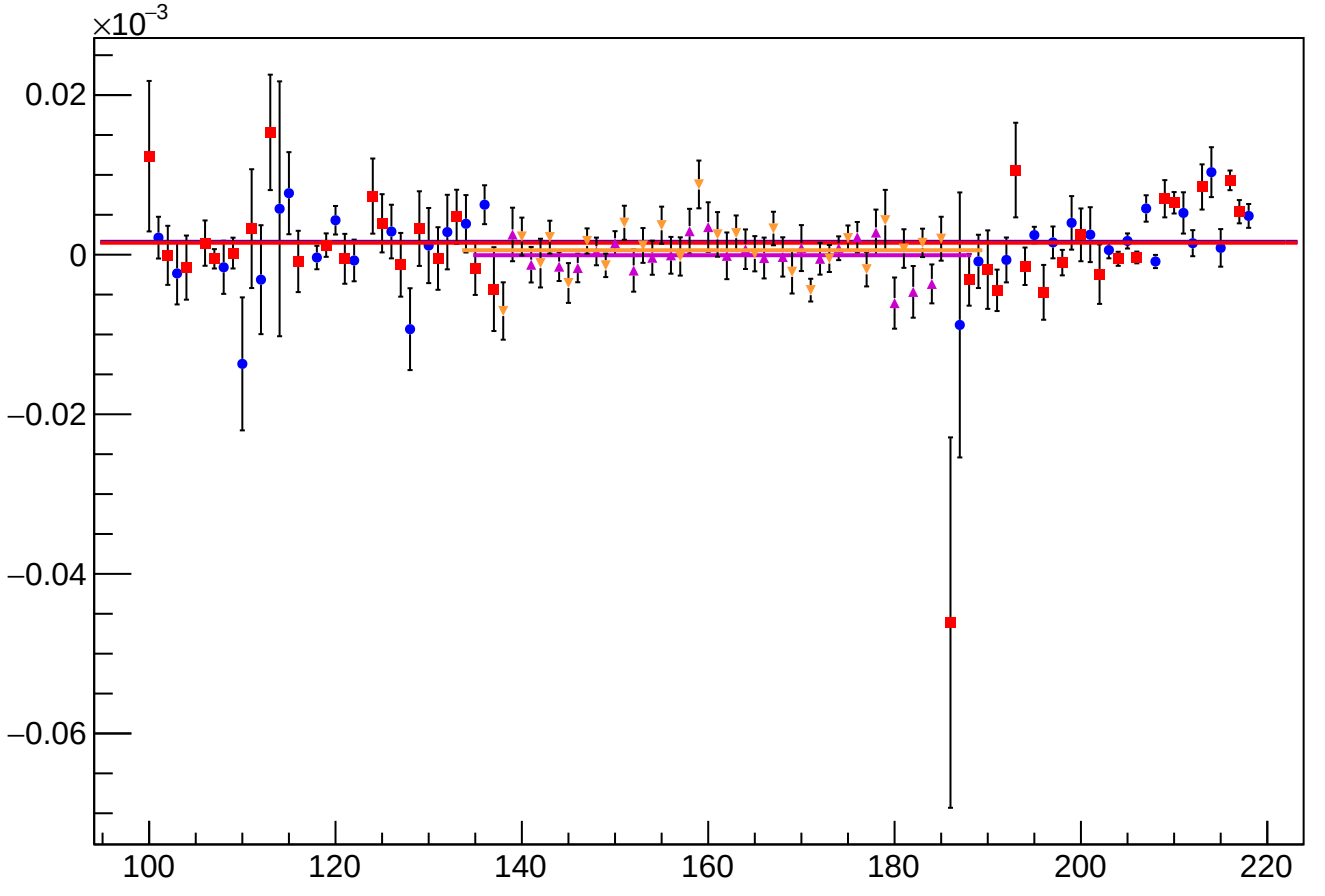
Right Out: 36.898+/-0.006 χ^2/NDF: 2671108.0/35

Left In: 35.896+/-0.006 χ^2/NDF:3138291.6/22

+ sign 36.855+/-0.004 χ^2/NDF: 5489466.8/56

All: 36.637+/-0.003 χ^2/NDF: 11316106.4/115

- sign 36.418+/-0.004 χ^2/NDF: 5821868.7/58



Right In: 0.000+/-0.000 χ^2/NDF: 54.7/31

Left Out: 0.000+/-0.000 χ^2/NDF:43.5/24

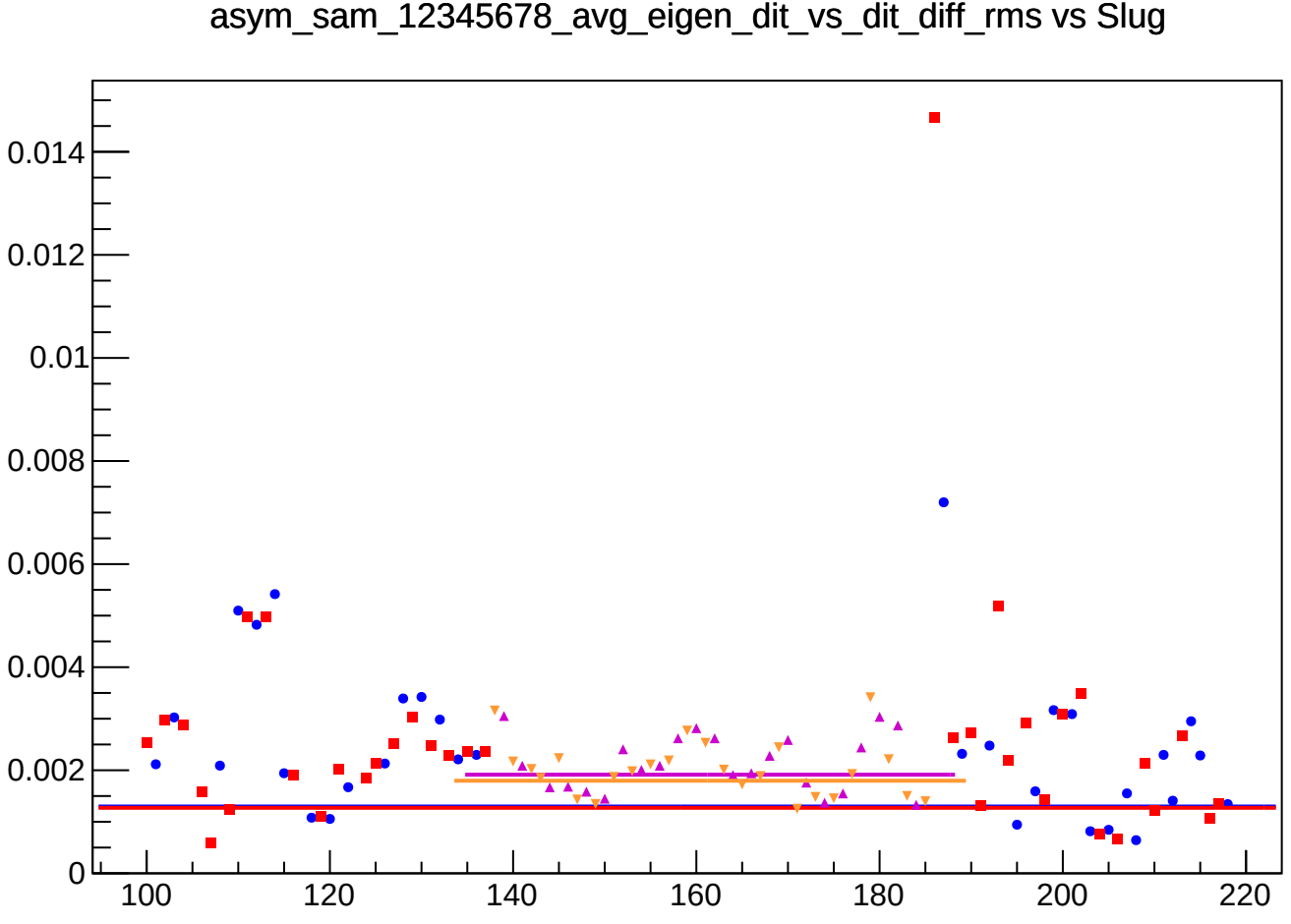
Right Out: 0.000+/-0.000 χ^2/NDF: 123.2/35

Left In: -0.000+/-0.000 χ^2/NDF:16.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 102.0/56

All: 0.000+/-0.000 χ^2/NDF: 249.9/115

- sign 0.000+/-0.000 χ^2/NDF: 147.5/58



Right In: 0.001+/-0.000 χ^2/NDF: 9167219.2/31

Left Out: 0.002+/-0.000 χ^2/NDF:2279340.7/24

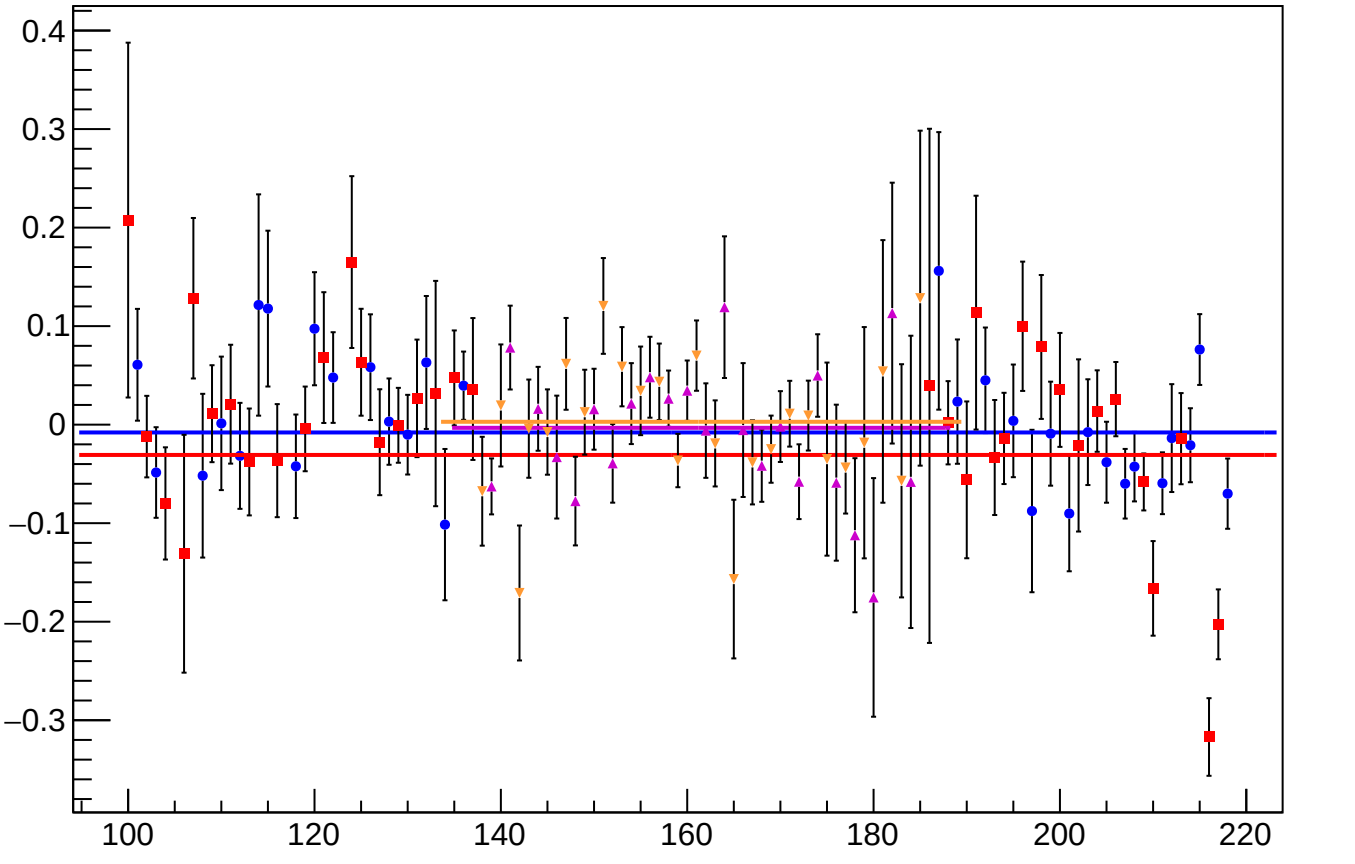
Right Out: 0.001+/-0.000 χ^2/NDF: 10947033.9/35

Left In: 0.002+/-0.000 χ^2/NDF:2171715.8/22

+ sign 0.001+/-0.000 χ^2/NDF: 13130074.1/56

All: 0.001+/-0.000 χ^2/NDF: 28737087.5/115

- sign 0.001+/-0.000 χ^2/NDF: 15607012.6/58



Right In: -0.008+/-0.009 χ^2/NDF: 38.5/31

Left Out: 0.003+/-0.009 χ^2/NDF:32.9/24

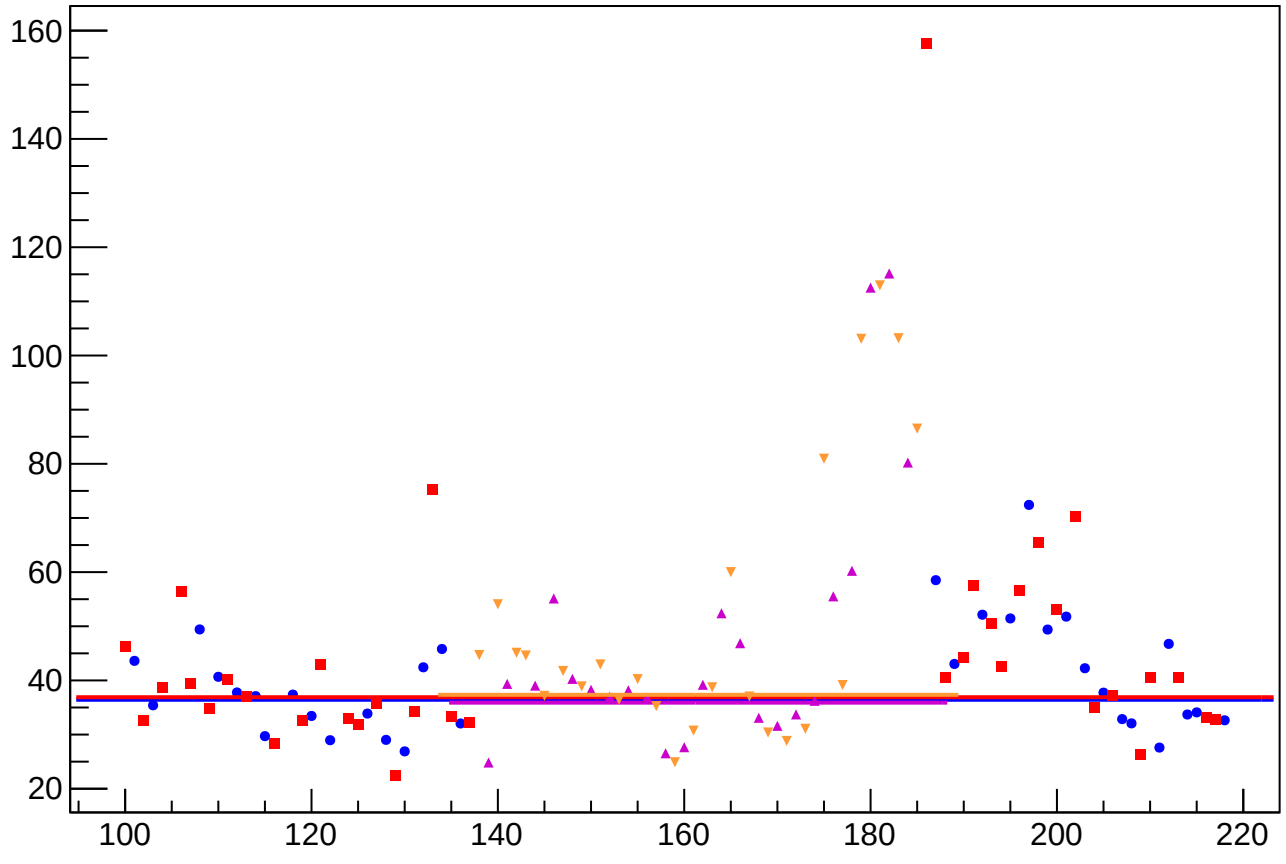
Right Out: -0.031+/-0.009 χ^2/NDF: 123.4/35

Left In: -0.003+/-0.009 χ^2/NDF:29.8/22

+ sign -0.003+/-0.006 χ^2/NDF: 72.1/56

All: -0.010+/-0.004 χ^2/NDF: 232.7/115

- sign -0.018+/-0.006 χ^2/NDF: 157.9/58



Right In: 36.431+/-0.006 χ^2/NDF: 1782445.3/31

Left Out: 37.344+/-0.007 χ^2/NDF:3696697.3/24

Right Out: 36.898+/-0.006 χ^2/NDF: 2671191.4/35

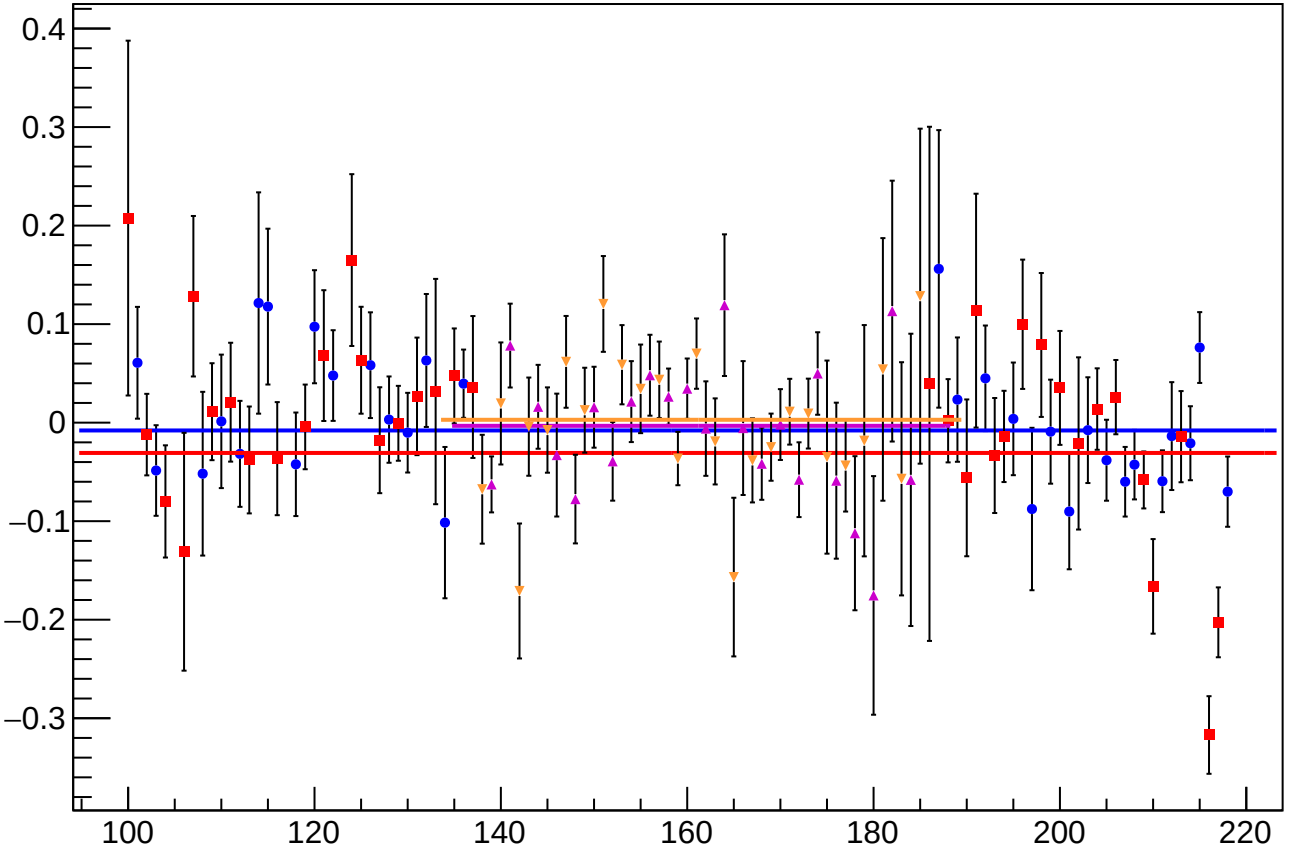
Left In: 35.896+/-0.006 χ^2/NDF:3138307.4/22

+ sign 36.855+/-0.004 χ^2/NDF: 5489566.3/56

All: 36.638+/-0.003 χ^2/NDF: 11316287.1/115

- sign 36.418+/-0.004 χ^2/NDF: 5821951.6/58

asym_sam_12345678_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.008+/-0.009 χ^2/NDF: 38.5/31

Left Out: 0.003+/-0.009 χ^2/NDF:32.9/24

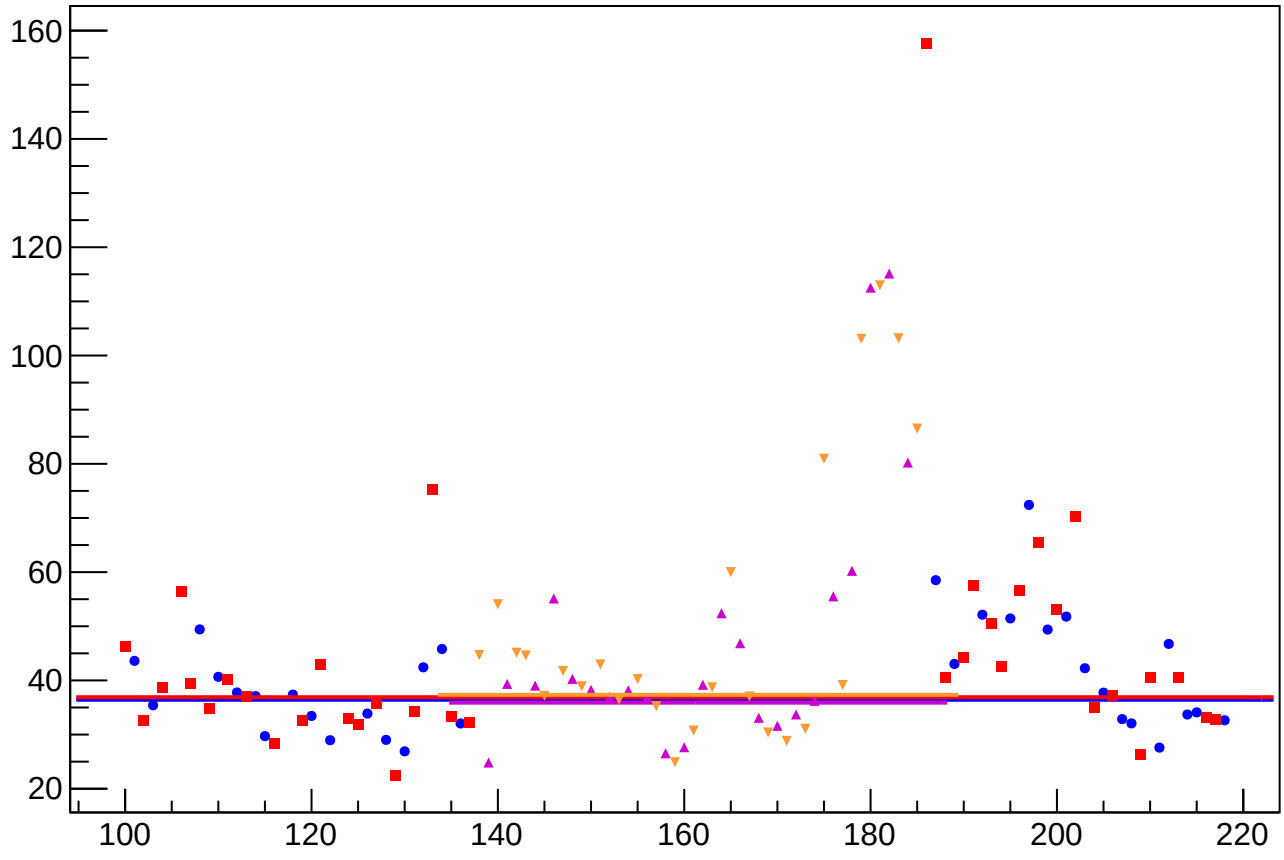
Right Out: -0.031+/-0.009 χ^2/NDF: 123.4/35

Left In: -0.003+/-0.009 χ^2/NDF:29.8/22

+ sign -0.003+/-0.006 χ^2/NDF: 72.1/56

All: -0.010+/-0.004 χ^2/NDF: 232.7/115

- sign -0.018+/-0.006 χ^2/NDF: 157.9/58



Right In: 36.431+/-0.006 χ^2/NDF: 1782445.3/31

Left Out: 37.344+/-0.007 χ^2/NDF:3696697.3/24

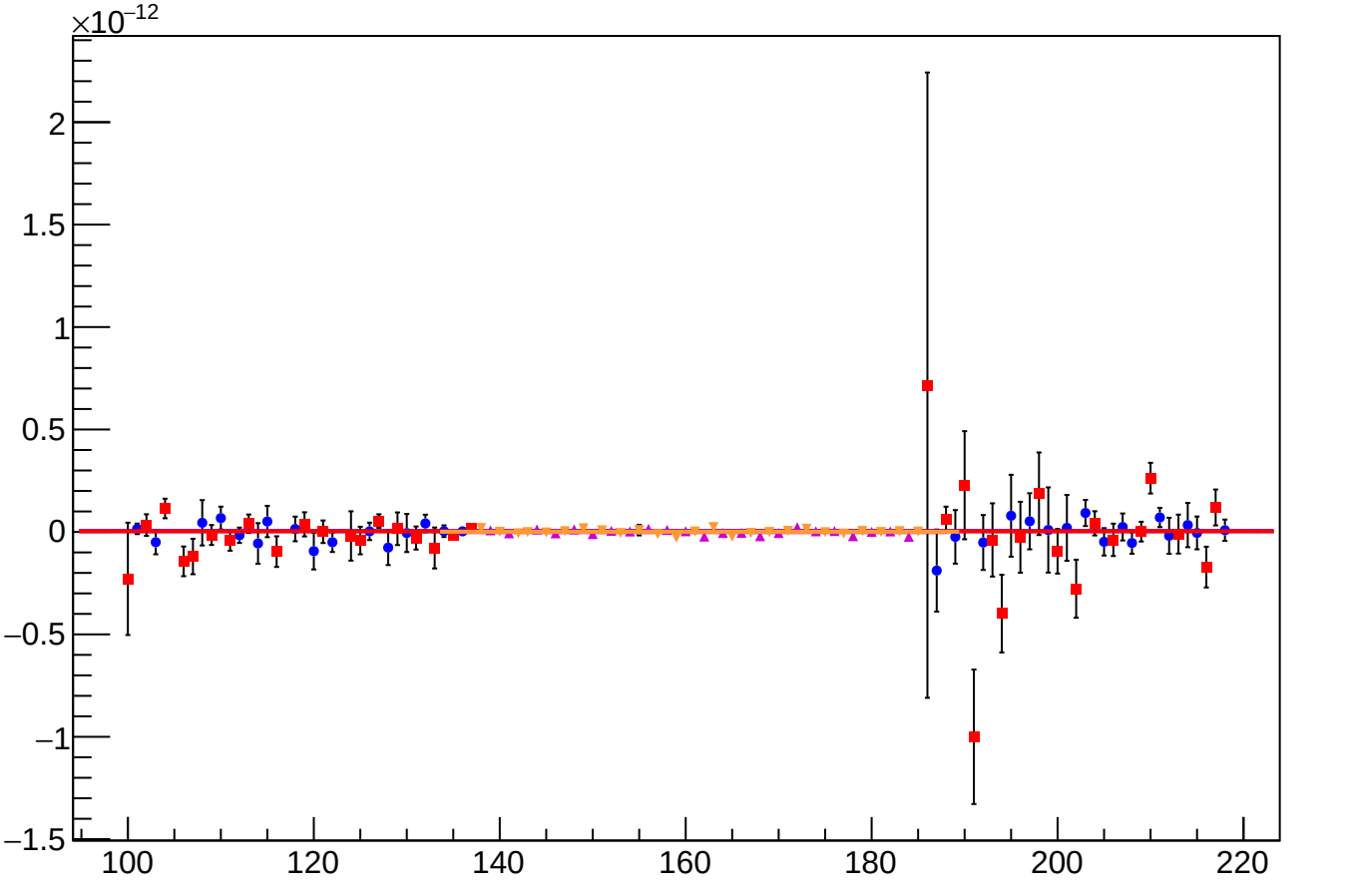
Right Out: 36.898+/-0.006 χ^2/NDF: 2671191.4/35

Left In: 35.896+/-0.006 χ^2/NDF:3138307.4/22

+ sign 36.855+/-0.004 χ^2/NDF: 5489566.3/56

All: 36.638+/-0.003 χ^2/NDF: 11316287.1/115

- sign 36.418+/-0.004 χ^2/NDF: 5821951.6/58



Right In: 0.000+/-0.000 χ^2/NDF: 15.1/31

Left Out: 0.000+/-0.000 χ^2/NDF:21.4/24

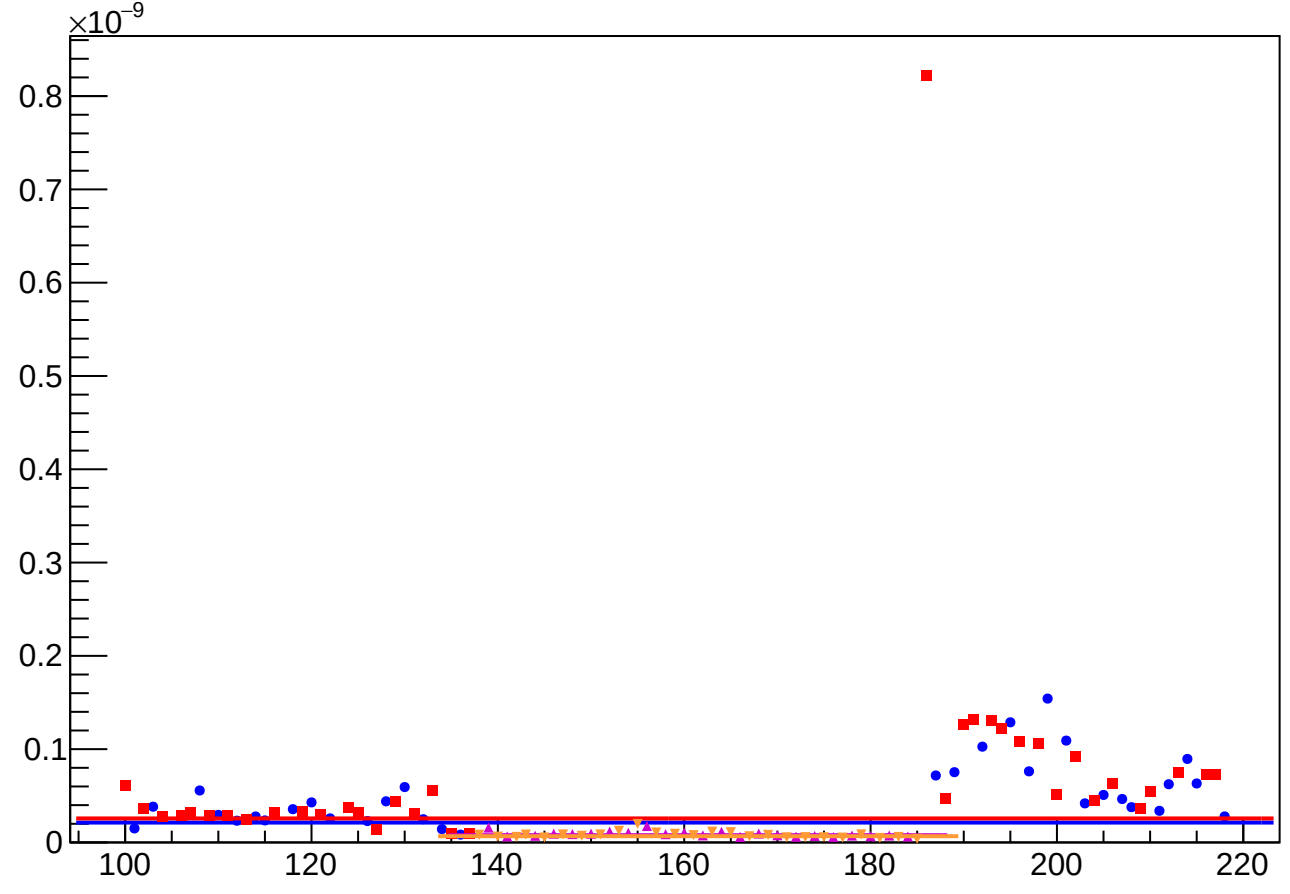
Right Out: 0.000+/-0.000 χ^2/NDF: 60.3/35

Left In: -0.000+/-0.000 χ^2/NDF:29.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 36.7/56

All: 0.000+/-0.000 χ^2/NDF: 126.7/115

- sign -0.000+/-0.000 χ^2/NDF: 89.7/58



Right In: 0.000+/-0.000 χ^2/NDF: 10144153.7/31

Left Out: 0.000+/-0.000 χ^2/NDF:2192403.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9673570.2/35

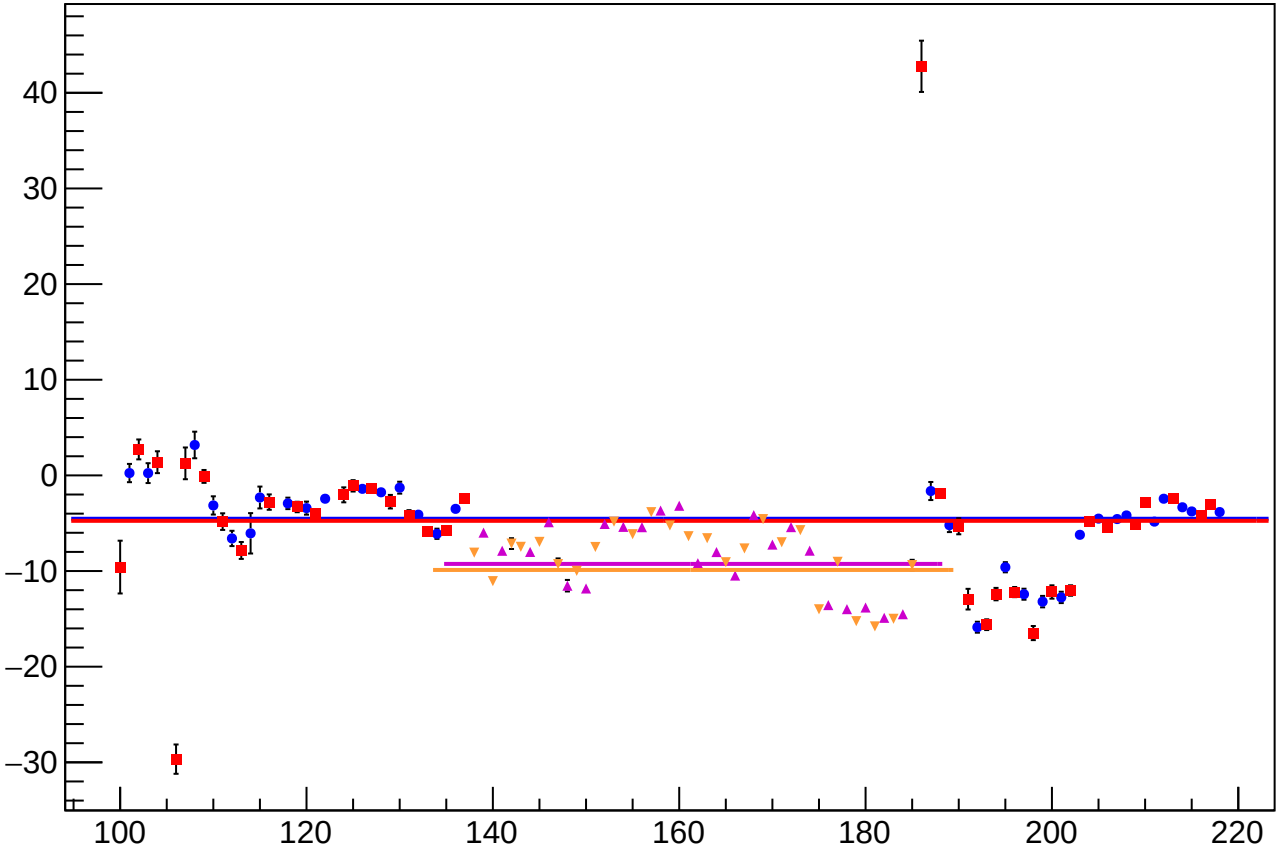
Left In: 0.000+/-0.000 χ^2/NDF:1582294.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 18637164.1/56

All: 0.000+/-0.000 χ^2/NDF: 37258751.1/115

- sign 0.000+/-0.000 χ^2/NDF: 18286600.5/58

reg_asym_sam1_diff_bpm1X_slope vs Slug



Right In: -4.535+/-0.080 χ^2/NDF: 1406.8/31

Left Out: -9.886+/-0.070 χ^2/NDF:3206.9/24

Right Out: -4.750+/-0.082 χ^2/NDF: 2433.5/35

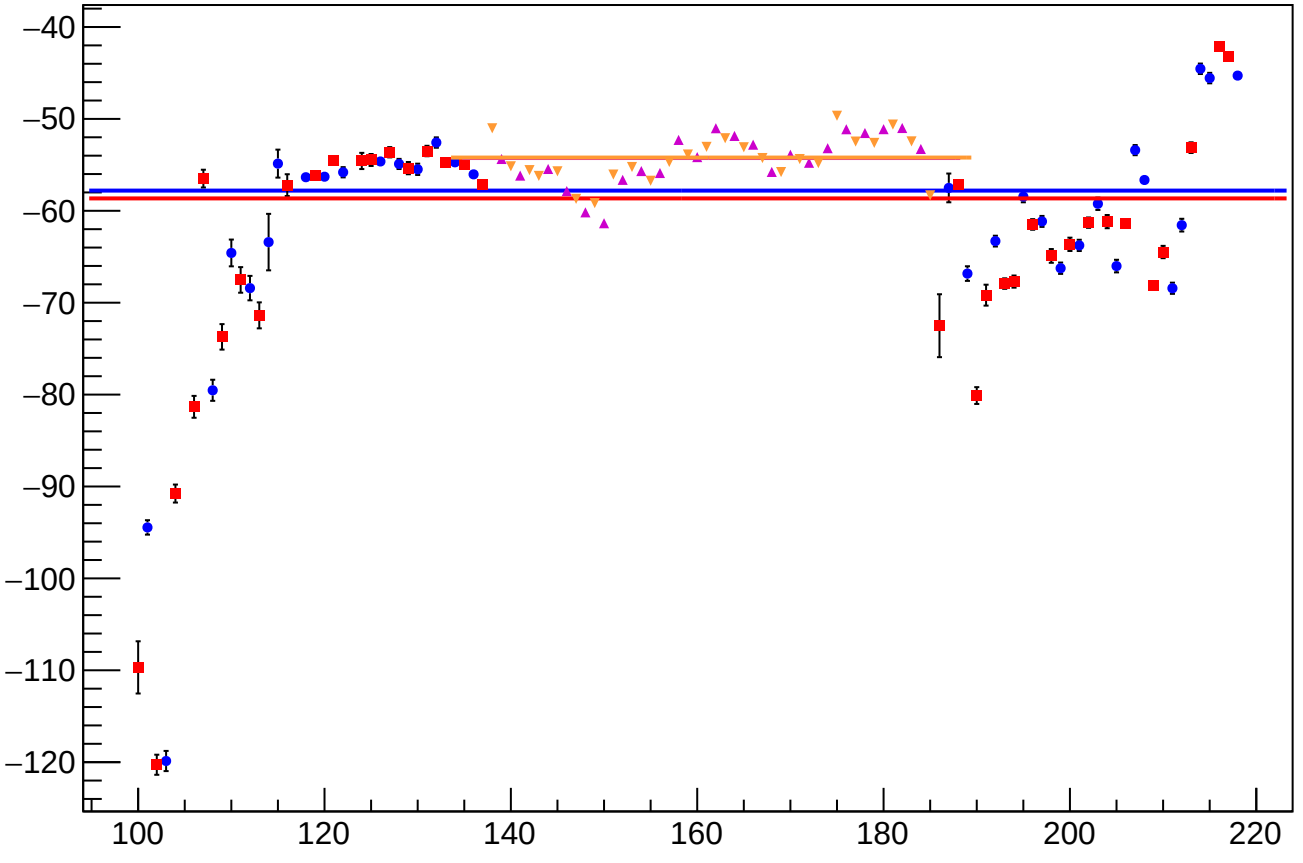
Left In: -9.255+/-0.072 χ^2/NDF:3067.6/22

+ sign -7.583+/-0.052 χ^2/NDF: 7162.6/56

All: -7.444+/-0.038 χ^2/NDF: 14397.5/115

- sign -7.297+/-0.054 χ^2/NDF: 7220.4/58

reg_asym_sam1_diff_bpm4aY_slope vs Slug



Right In: -57.801+/-0.102 χ^2/NDF: 8990.7/31

Left Out: -54.206+/-0.056 χ^2/NDF:1857.6/24

Right Out: -58.652+/-0.103 χ^2/NDF: 9482.4/35

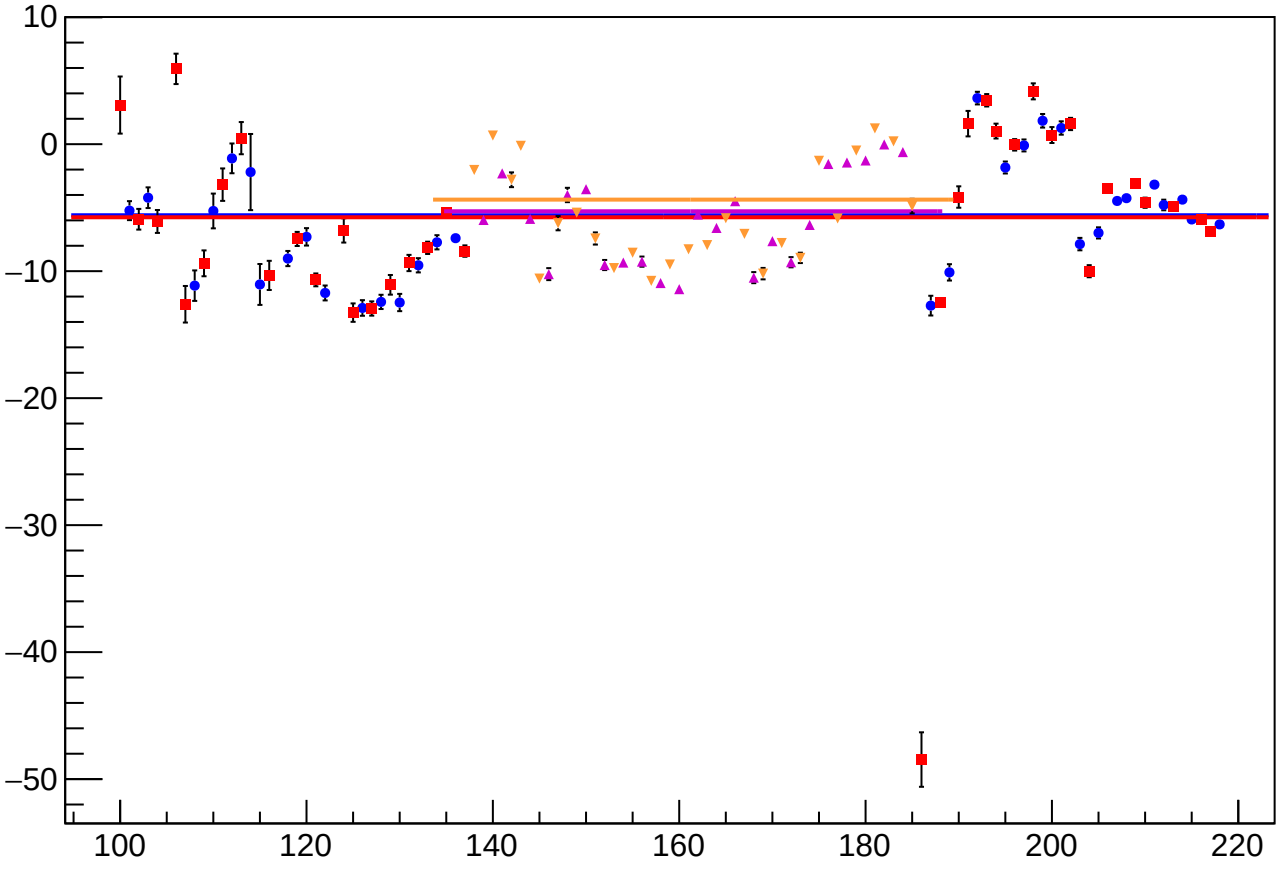
Left In: -54.257+/-0.058 χ^2/NDF:2489.9/22

+ sign -55.040+/-0.049 χ^2/NDF: 11809.3/56

All: -55.180+/-0.035 χ^2/NDF: 25187.6/115

- sign -55.332+/-0.051 χ^2/NDF: 13361.1/58

reg_asym_sam1_diff_bpm4eX_slope vs Slug



Right In: -5.597+/-0.082 χ^2/NDF: 1899.1/31

Left Out: -4.366+/-0.069 χ^2/NDF:3701.4/24

Right Out: -5.756+/-0.084 χ^2/NDF: 3287.6/35

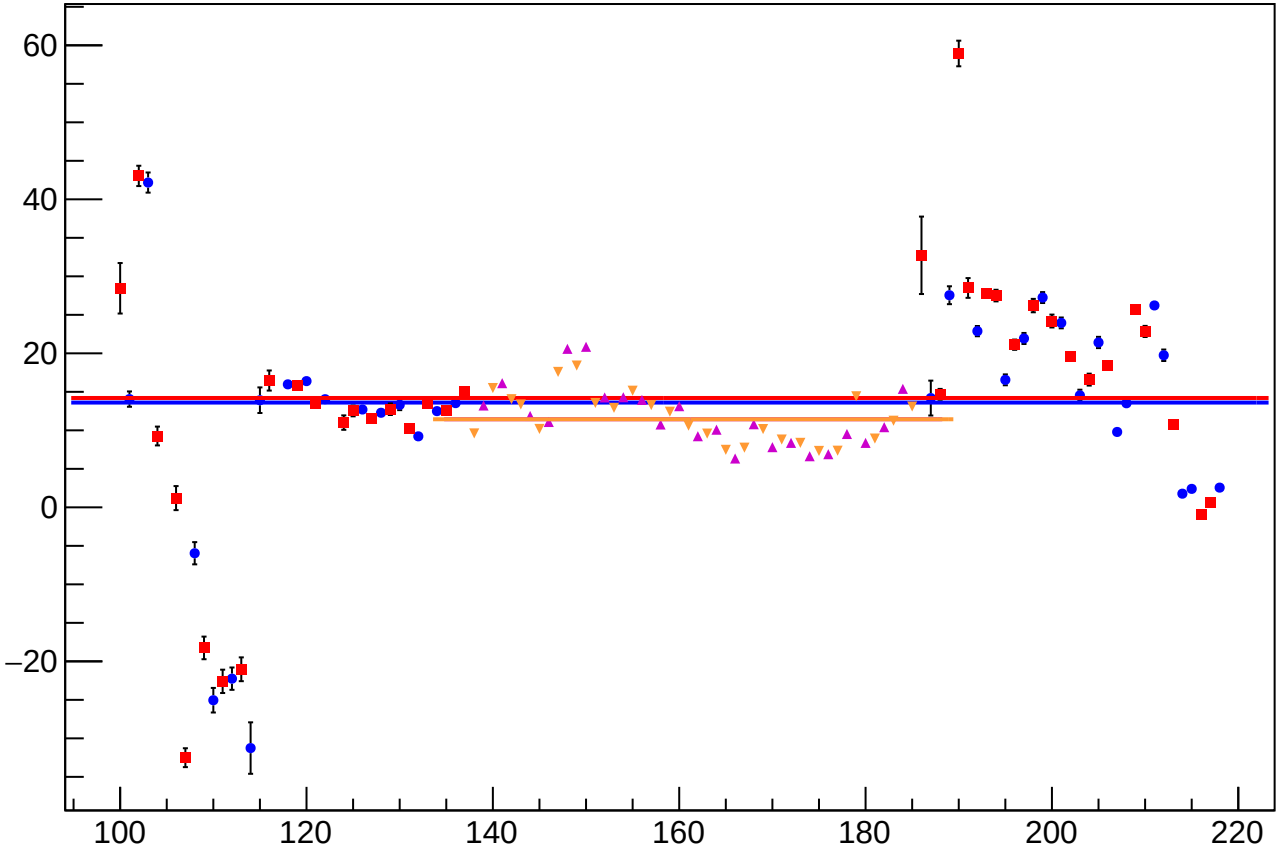
Left In: -5.283+/-0.071 χ^2/NDF:2750.2/22

+ sign -4.876+/-0.053 χ^2/NDF: 5731.3/56

All: -5.172+/-0.038 χ^2/NDF: 11851.4/115

- sign -5.481+/-0.054 χ^2/NDF: 6056.3/58

reg_asym_sam1_diff_bpm4eY_slope vs Slug



Right In: 13.607+/-0.112 χ^2/NDF: 5124.2/31

Left Out: 11.438+/-0.062 χ^2/NDF:2435.7/24

Right Out: 14.202+/-0.115 χ^2/NDF: 7931.1/35

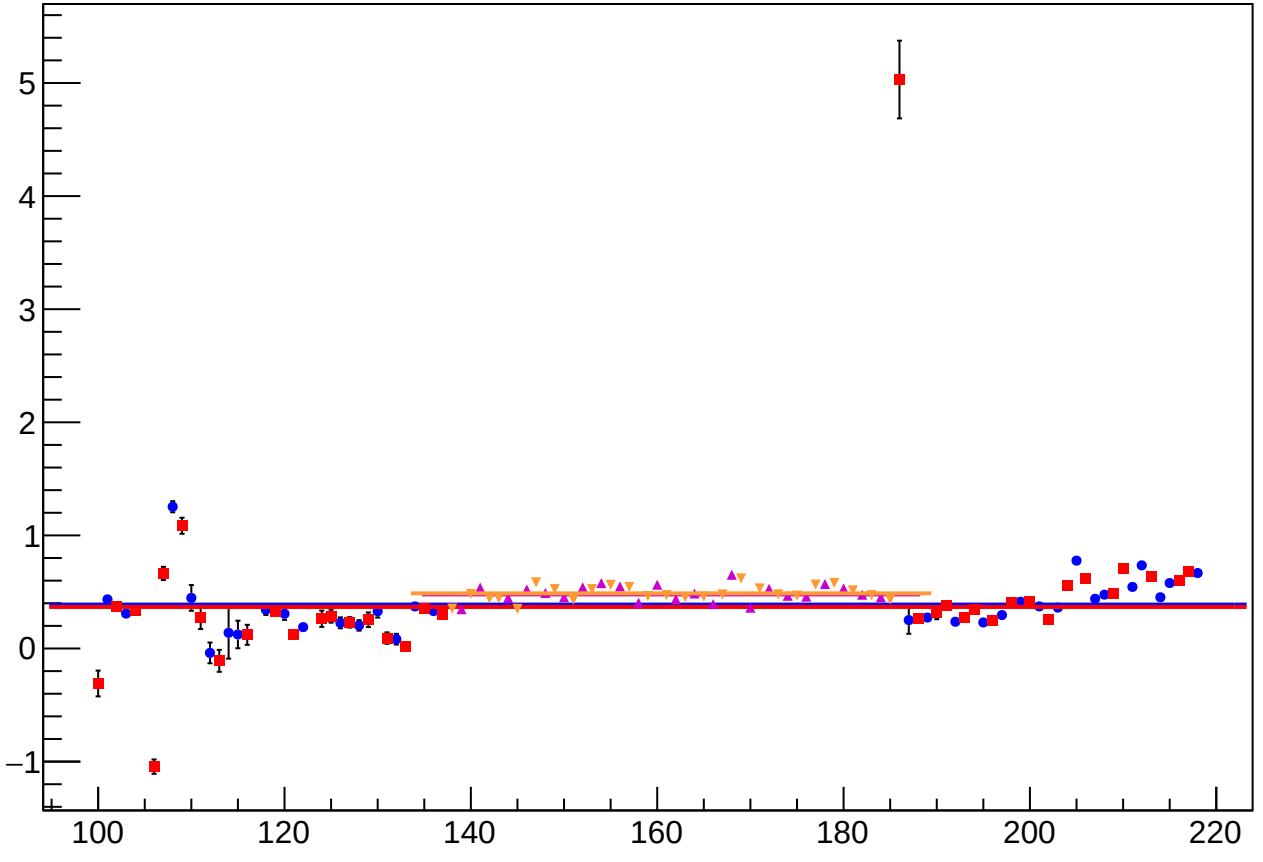
Left In: 11.441+/-0.064 χ^2/NDF:3358.4/22

\+ sign 11.944+/-0.054 χ^2/NDF: 7845.5/56

All: 12.017+/-0.039 χ^2/NDF: 19577.3/115

\- sign 12.096+/-0.056 χ^2/NDF: 11728.0/58

reg_asym_sam1_diff_bpm12X_slope vs Slug



Right In: 0.388+/-0.005 χ^2/NDF: 1041.8/31

Left Out: 0.488+/-0.003 χ^2/NDF:539.4/24

Right Out: 0.367+/-0.005 χ^2/NDF: 1692.7/35

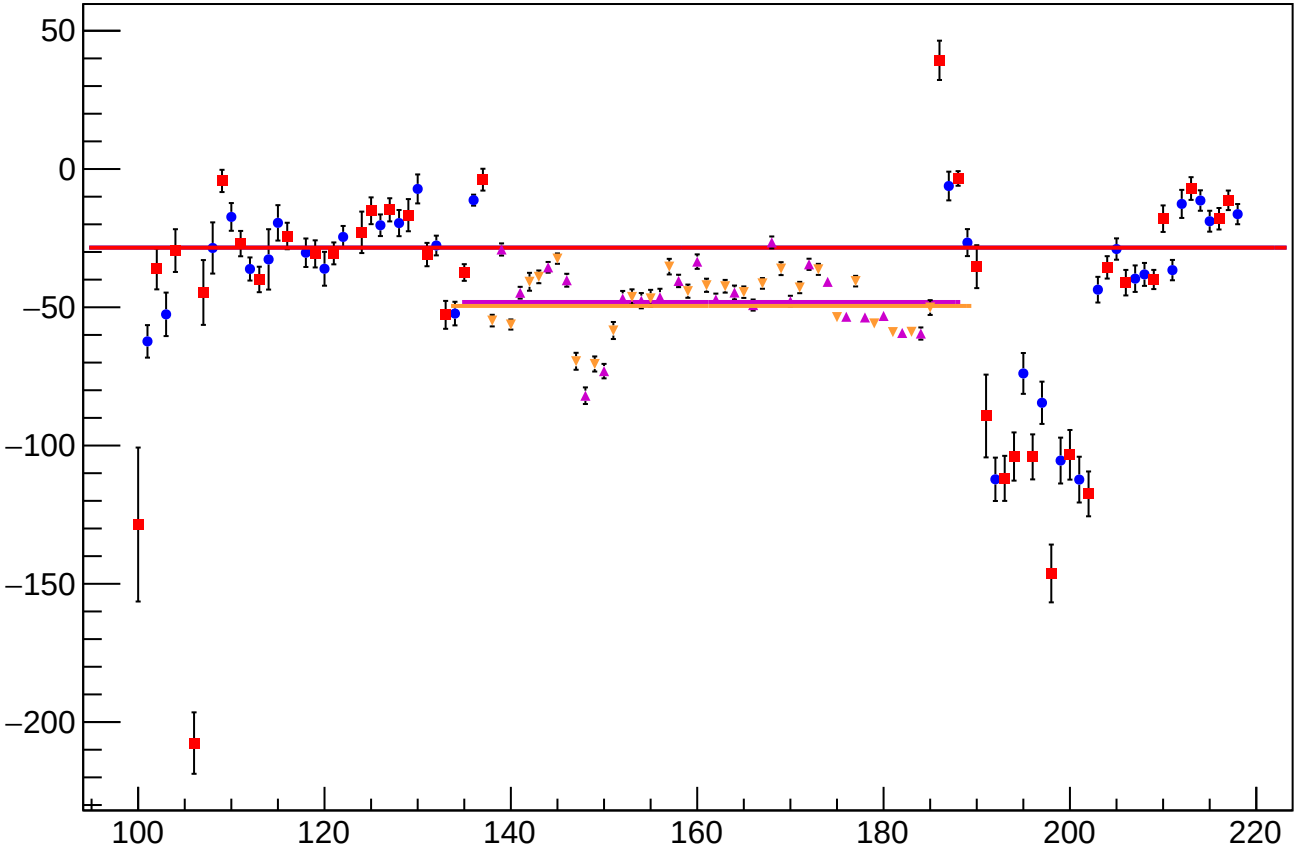
Left In: 0.478+/-0.003 χ^2/NDF:798.2/22

+ sign 0.465+/-0.002 χ^2/NDF: 1884.6/56

All: 0.459+/-0.002 χ^2/NDF: 4746.9/115

- sign 0.454+/-0.002 χ^2/NDF: 2851.3/58

reg_asym_sam2_diff_bpm1X_slope vs Slug



Right In: -28.413+/-0.802 χ^2/NDF: 674.2/31

Left Out: -49.516+/-0.402 χ^2/NDF:576.3/24

Right Out: -28.439+/-0.823 χ^2/NDF: 1279.3/35

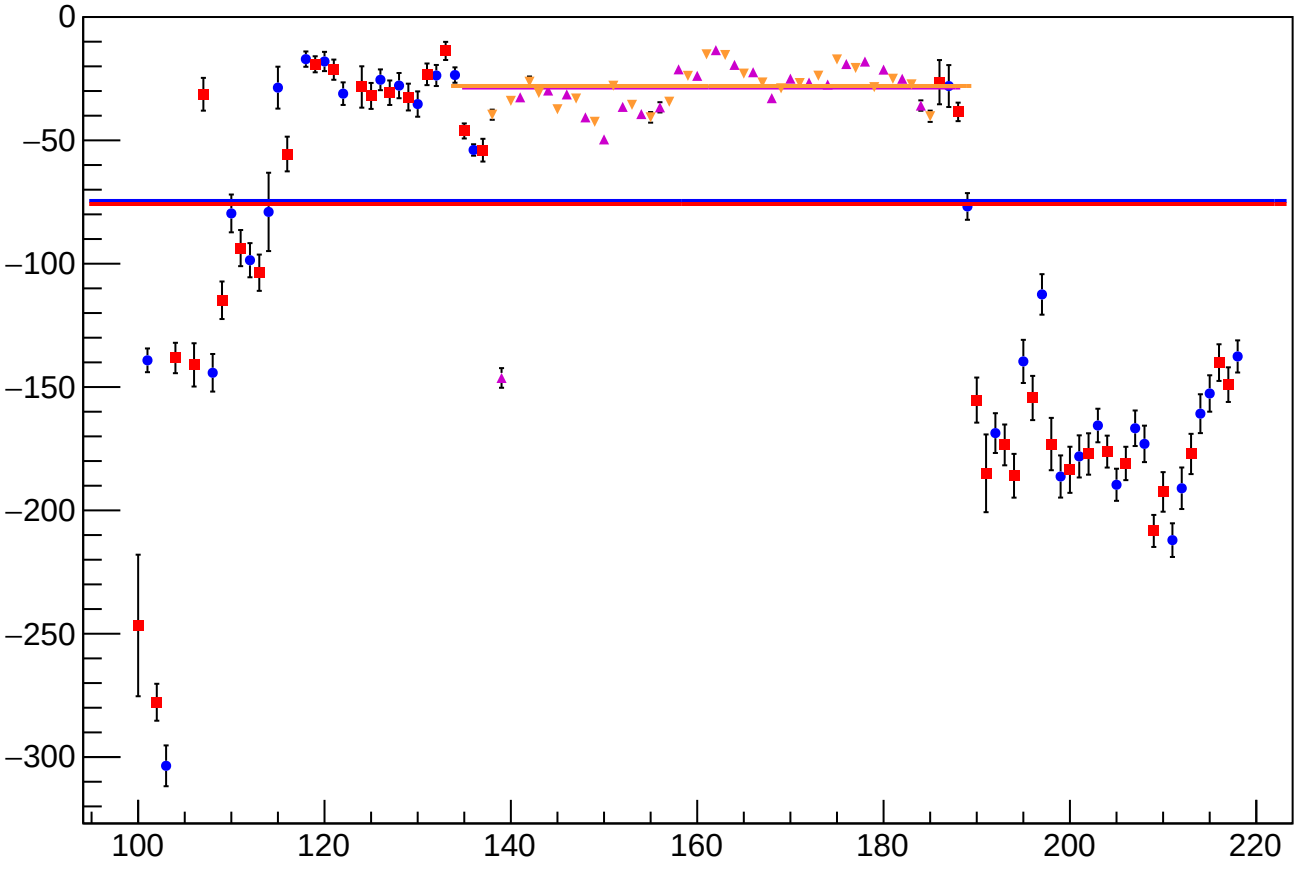
Left In: -48.087+/-0.418 χ^2/NDF:706.2/22

+ sign -45.276+/-0.360 χ^2/NDF: 1803.1/56

All: -44.684+/-0.259 χ^2/NDF: 4247.5/115

- sign -44.047+/-0.373 χ^2/NDF: 2438.7/58

reg_asym_sam2_diff_bpm4aY_slope vs Slug



Right In: -74.573+/-0.945 χ^2/NDF: 4797.5/31

Left Out: -27.957+/-0.321 χ^2/NDF:497.7/24

Right Out: -75.800+/-0.986 χ^2/NDF: 4730.8/35

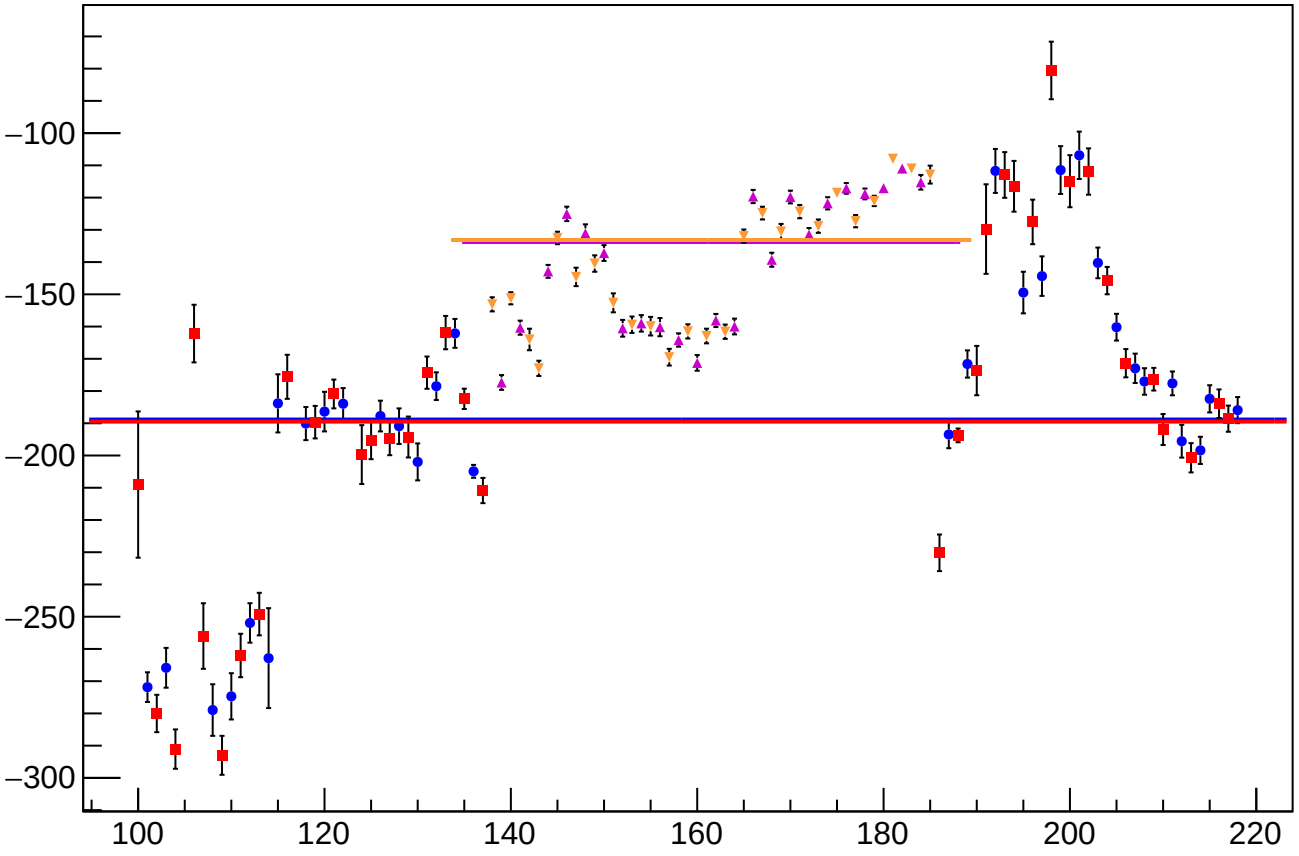
Left In: -28.592+/-0.334 χ^2/NDF:1480.6/22

\+ sign -32.784+/-0.304 χ^2/NDF: 7477.4/56

All: -33.098+/-0.219 χ^2/NDF: 15746.4/115

\- sign -33.438+/-0.316 χ^2/NDF: 8266.8/58

reg_asym_sam2_diff_bpm4eX_slope vs Slug



Right In: -188.847+/-0.835 χ^2/NDF: 1653.3/31

Left Out: -133.155+/-0.403 χ^2/NDF:2530.7/24

Right Out: -189.481+/-0.851 χ^2/NDF: 2006.7/35

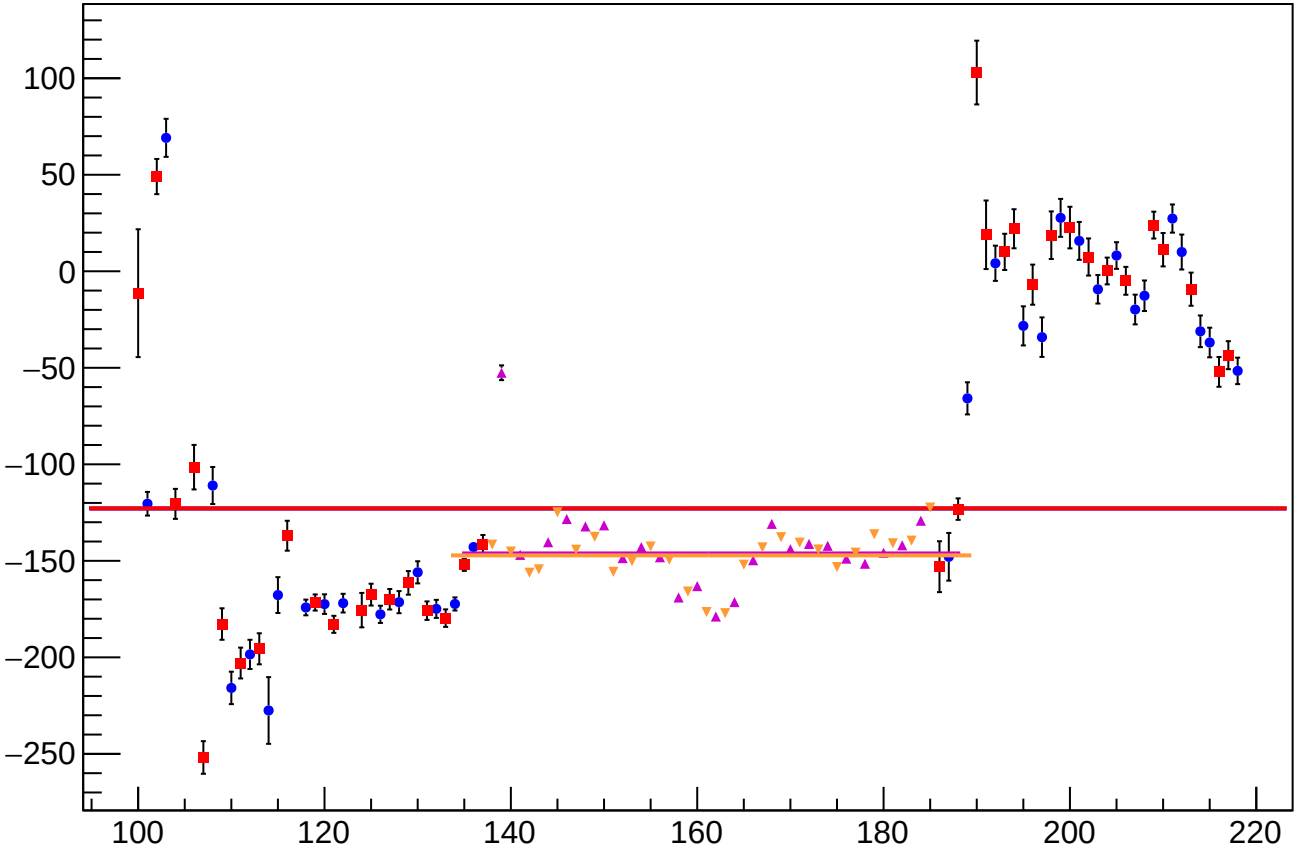
Left In: -133.777+/-0.417 χ^2/NDF:2440.7/22

+ sign -143.678+/-0.363 χ^2/NDF: 7794.0/56

All: -144.106+/-0.261 χ^2/NDF: 15699.4/115

- sign -144.562+/-0.374 χ^2/NDF: 7902.6/58

reg_asym_sam2_diff_bpm4eY_slope vs Slug



Right In: -122.909+/-1.057 χ^2/NDF: 4494.9/31

Left Out: -147.167+/-0.358 χ^2/NDF:1245.6/24

Right Out: -122.815+/-1.122 χ^2/NDF: 4692.9/35

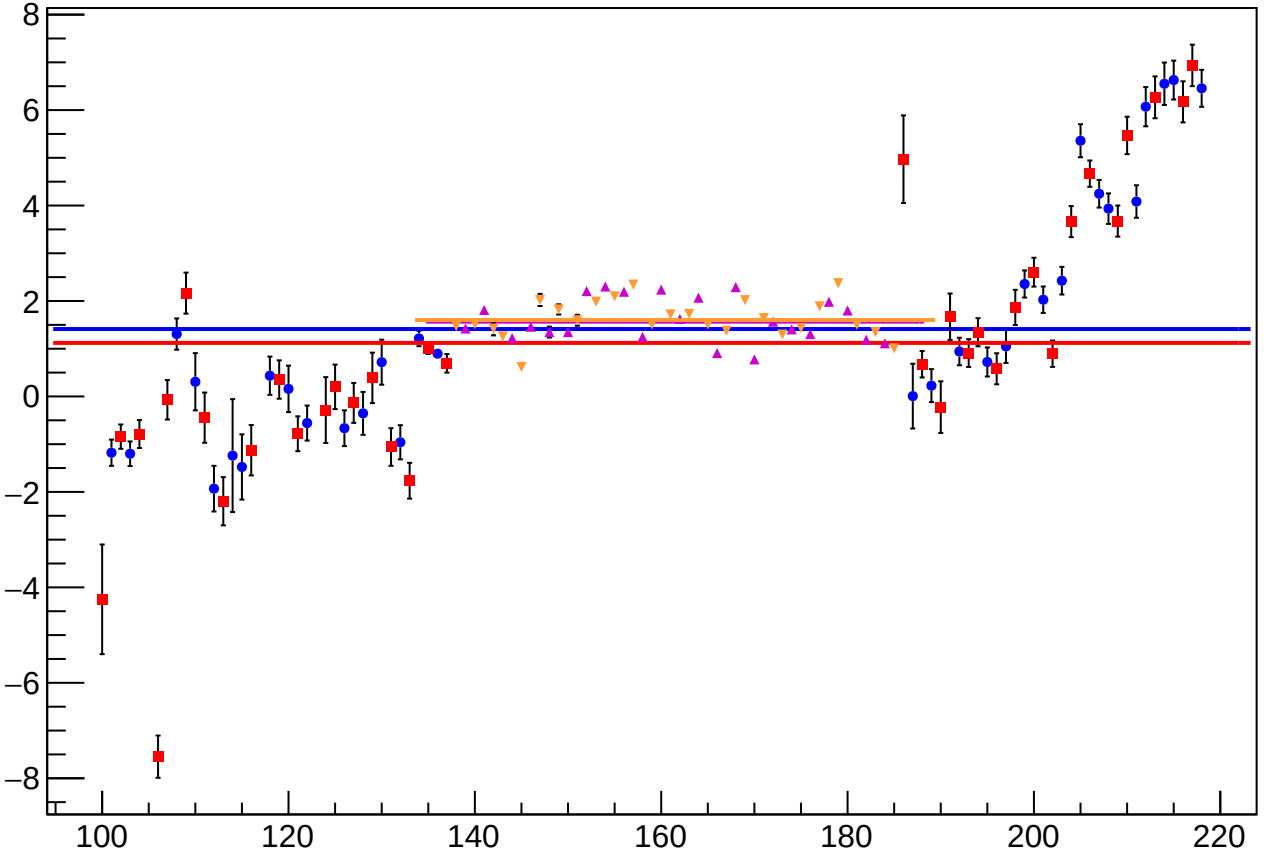
Left In: -146.173+/-0.371 χ^2/NDF:1793.8/22

+ sign -144.669+/-0.339 χ^2/NDF: 6213.0/56

All: -144.286+/-0.244 χ^2/NDF: 13093.3/115

- sign -143.874+/-0.352 χ^2/NDF: 6877.7/58

reg_asym_sam2_diff_bpm12X_slope vs Slug



Right In: 1.413+/-0.051 χ^2/NDF: 1430.1/31

Left Out: 1.601+/-0.016 χ^2/NDF:581.8/24

Right Out: 1.122+/-0.055 χ^2/NDF: 1663.0/35

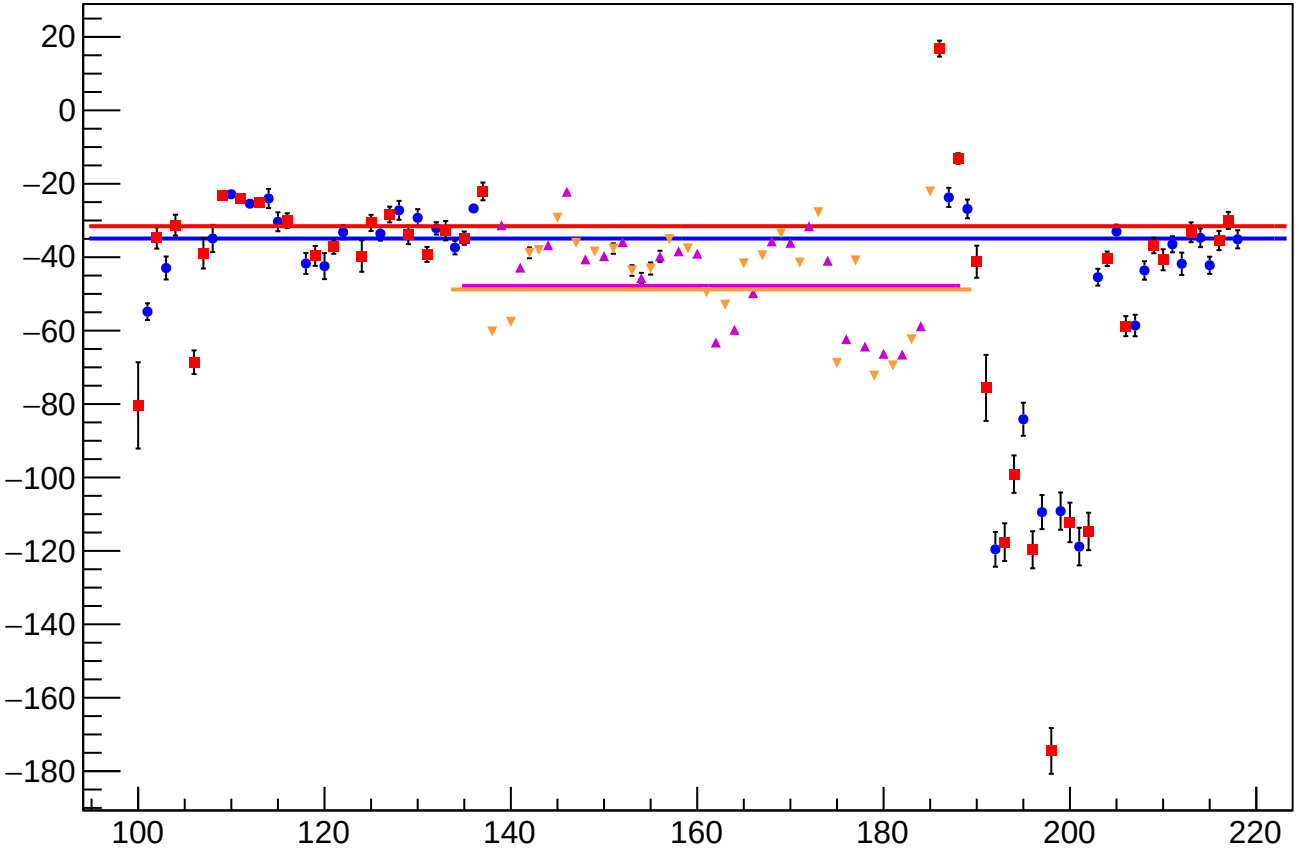
Left In: 1.567+/-0.016 χ^2/NDF:735.2/22

+ sign 1.584+/-0.015 χ^2/NDF: 2024.2/56

All: 1.558+/-0.011 χ^2/NDF: 4488.7/115

- sign 1.531+/-0.016 χ^2/NDF: 2458.6/58

reg_asym_sam3_diff_bpm1X_slope vs Slug



Right In: -34.915+/-0.388 χ^2/NDF: 1671.5/31

Left Out: -48.783+/-0.167 χ^2/NDF:8953.8/24

Right Out: -31.557+/-0.375 χ^2/NDF: 2956.3/35

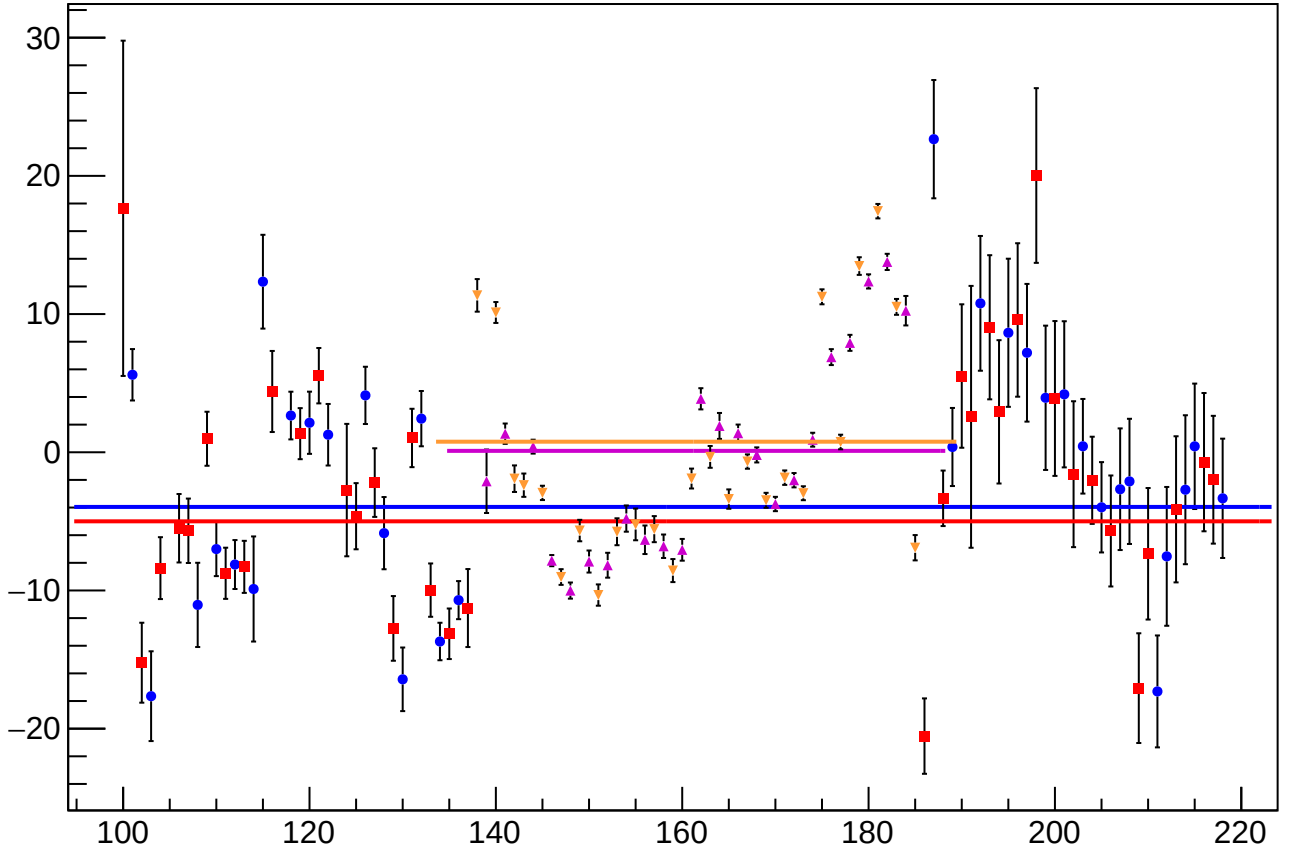
Left In: -47.822+/-0.170 χ^2/NDF:7223.0/22

+ sign -46.618+/-0.153 χ^2/NDF: 11704.9/56

All: -45.842+/-0.109 χ^2/NDF: 23496.4/115

- sign -45.050+/-0.155 χ^2/NDF: 11739.7/58

reg_asym_sam3_diff_bpm4aY_slope vs Slug



Right In: -3.955+/-0.459 χ^2/NDF: 321.0/31

Left Out: 0.765+/-0.132 χ^2/NDF:3467.2/24

Right Out: -4.997+/-0.463 χ^2/NDF: 221.2/35

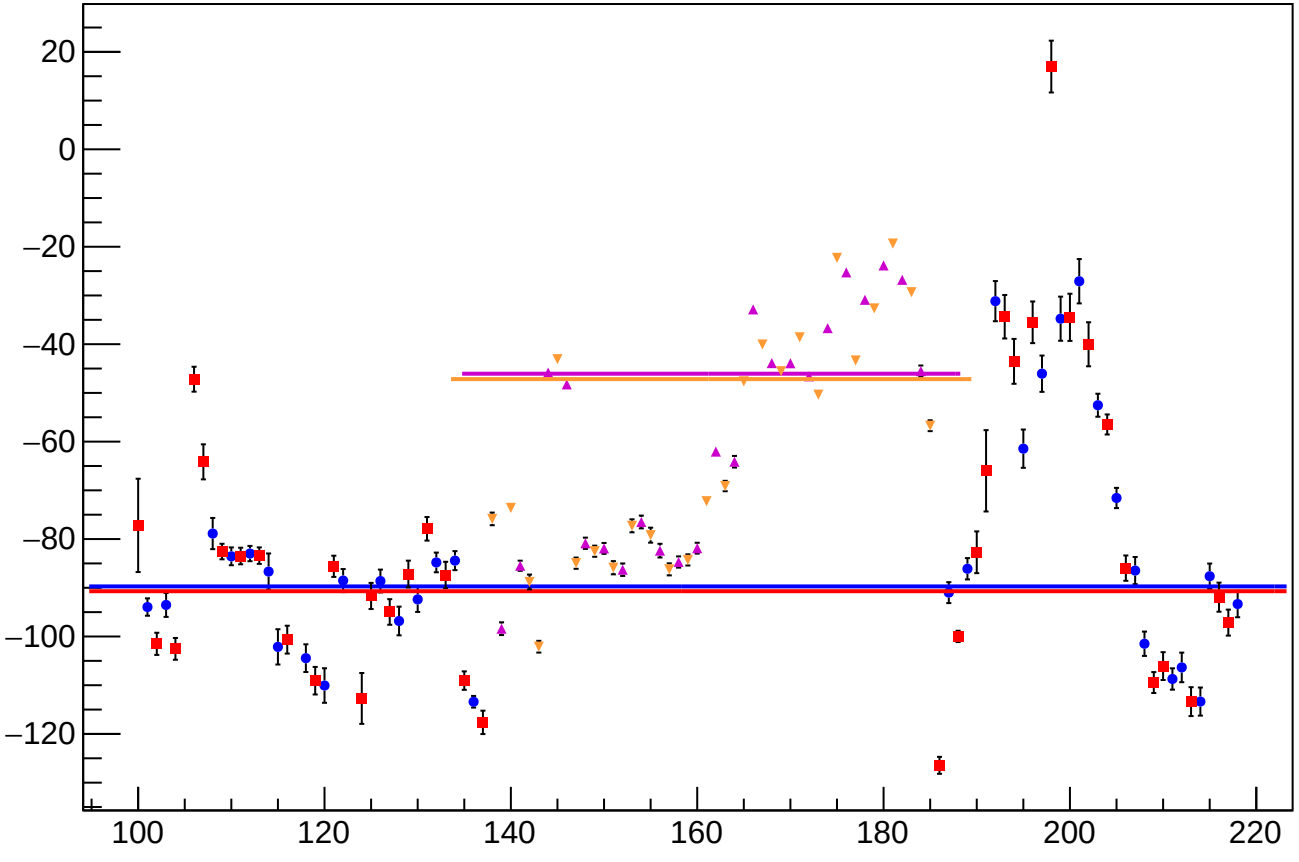
Left In: 0.102+/-0.133 χ^2/NDF:2721.8/22

+ sign 0.404+/-0.127 χ^2/NDF: 3885.7/56

All: 0.060+/-0.090 χ^2/NDF: 6955.6/115

- sign -0.287+/-0.128 χ^2/NDF: 3055.2/58

reg_asym_sam3_diff_bpm4eX_slope vs Slug



Right In: -89.722+/-0.422 χ^2/NDF: 1787.7/31

Left Out: -47.167+/-0.168 χ^2/NDF:17658.5/24

Right Out: -90.706+/-0.412 χ^2/NDF: 2839.4/35

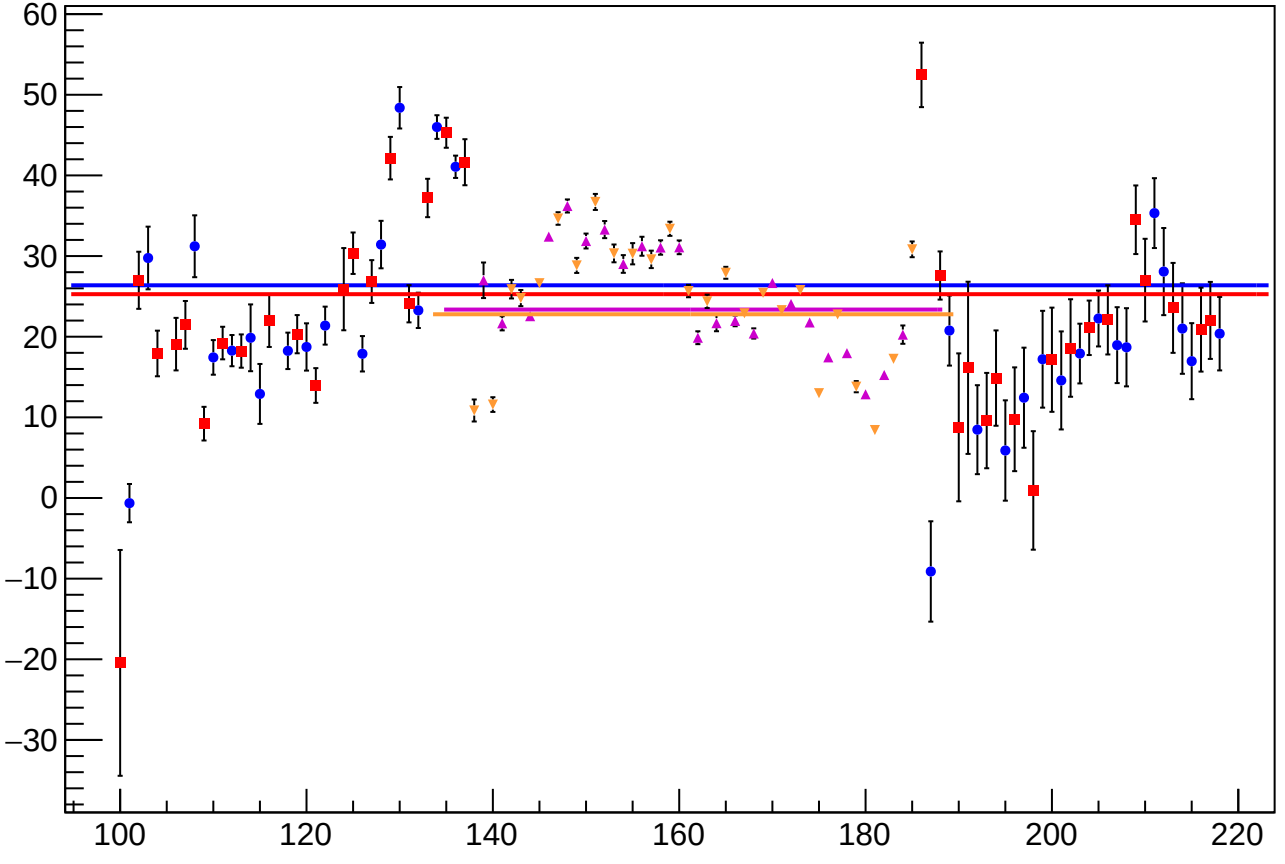
Left In: -46.058+/-0.170 χ^2/NDF:14769.8/22

\+ sign -52.954+/-0.156 χ^2/NDF: 28218.9/56

All: -52.767+/-0.111 χ^2/NDF: 55883.0/115

\- sign -52.577+/-0.157 χ^2/NDF: 27661.2/58

reg_asym_sam3_diff_bpm4eY_slope vs Slug



Right In: 26.374+/-0.515 χ^2/NDF: 681.3/31

Left Out: 22.782+/-0.147 χ^2/NDF:2412.9/24

Right Out: 25.273+/-0.530 χ^2/NDF: 443.5/35

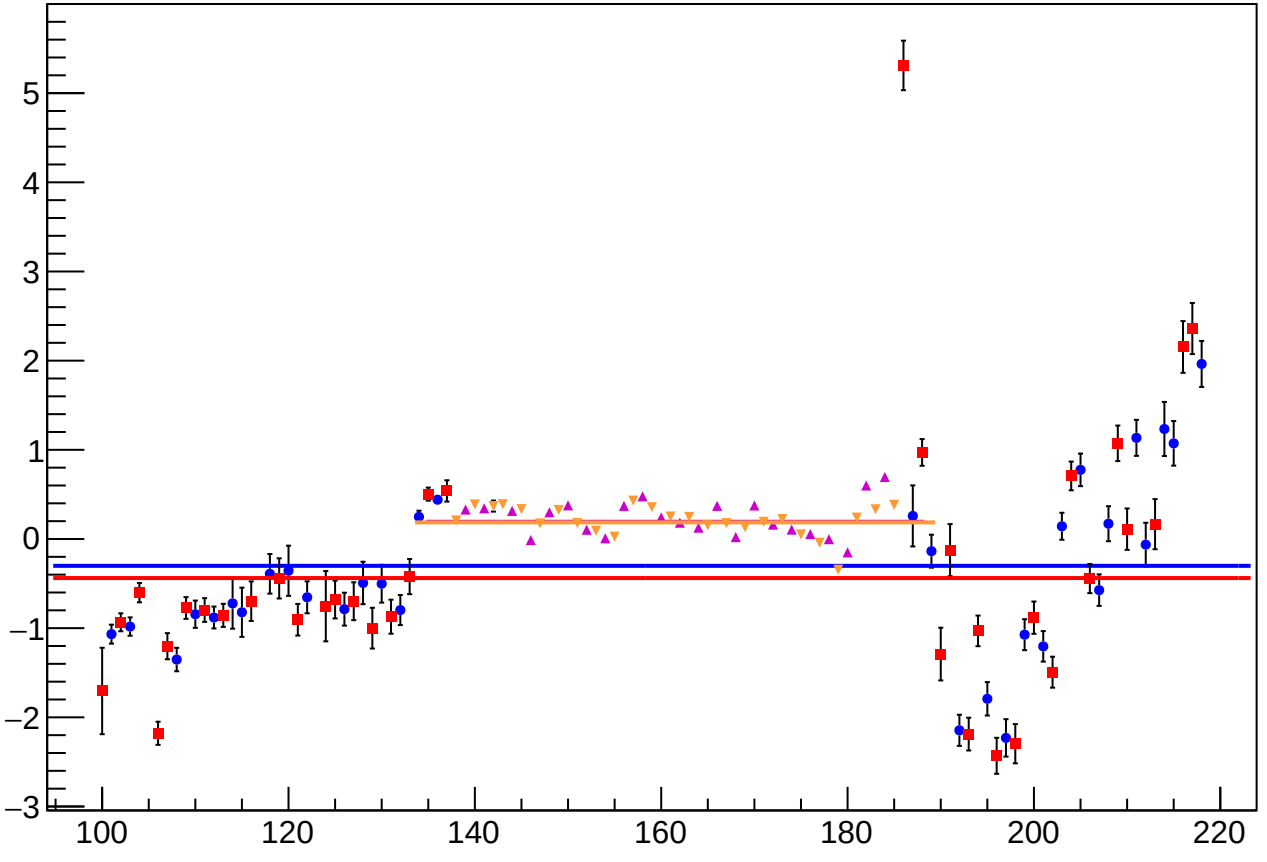
Left In: 23.366+/-0.149 χ^2/NDF:1785.4/22

+ sign 23.053+/-0.142 χ^2/NDF: 3139.2/56

All: 23.277+/-0.101 χ^2/NDF: 5385.0/115

- sign 23.505+/-0.143 χ^2/NDF: 2240.9/58

reg_asym_sam3_diff_bpm12X_slope vs Slug



Right In: -0.301+/-0.026 χ^2/NDF: 1002.3/31

Left Out: 0.186+/-0.007 χ^2/NDF:645.7/24

Right Out: -0.438+/-0.027 χ^2/NDF: 1653.7/35

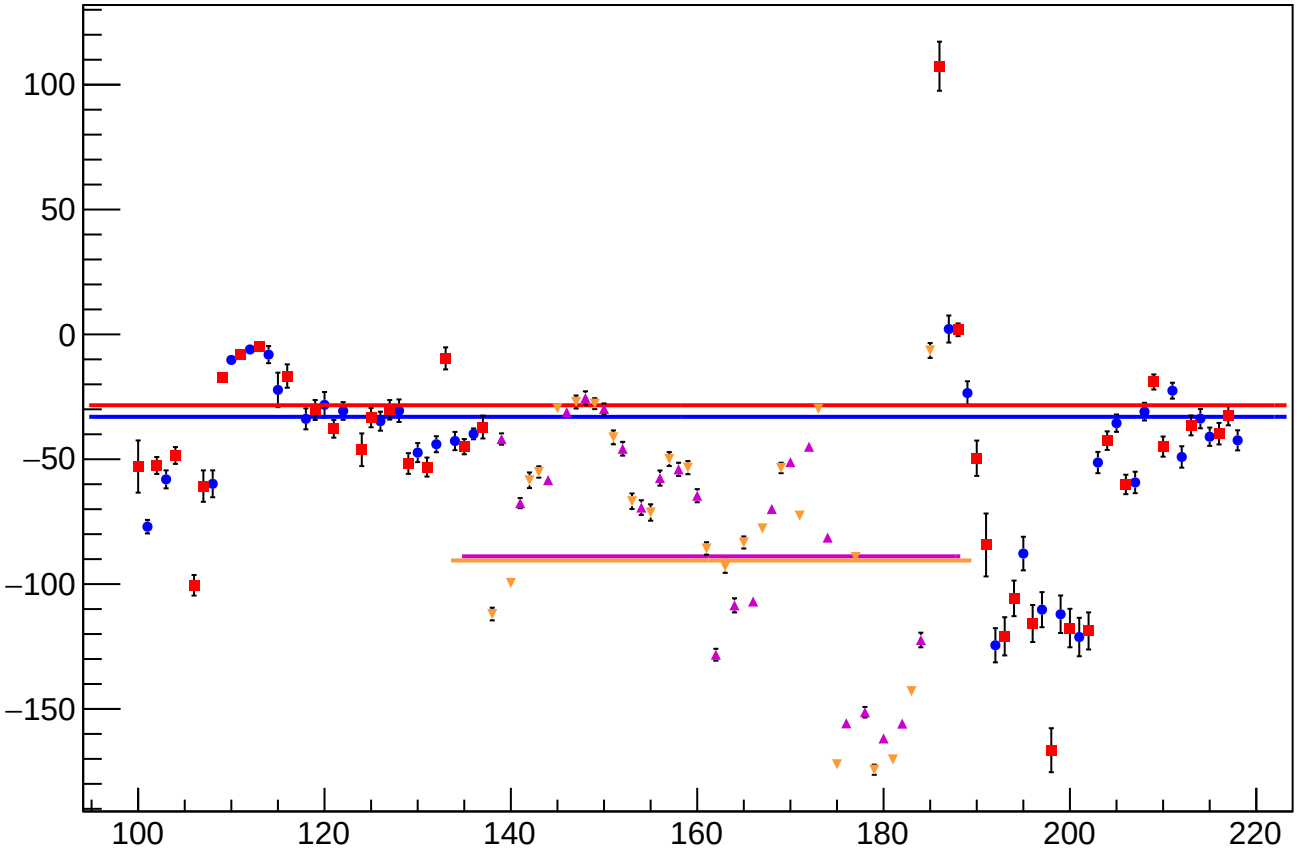
Left In: 0.193+/-0.007 χ^2/NDF:938.2/22

+ sign 0.157+/-0.006 χ^2/NDF: 1975.8/56

All: 0.157+/-0.005 χ^2/NDF: 5070.4/115

- sign 0.158+/-0.006 χ^2/NDF: 3094.6/58

reg_asym_sam4_diff_bpm1X_slope vs Slug



Right In: -33.013+/-0.609 χ^2/NDF: 1688.1/31

Left Out: -90.534+/-0.421 χ^2/NDF:15358.6/24

Right Out: -28.381+/-0.571 χ^2/NDF: 2434.9/35

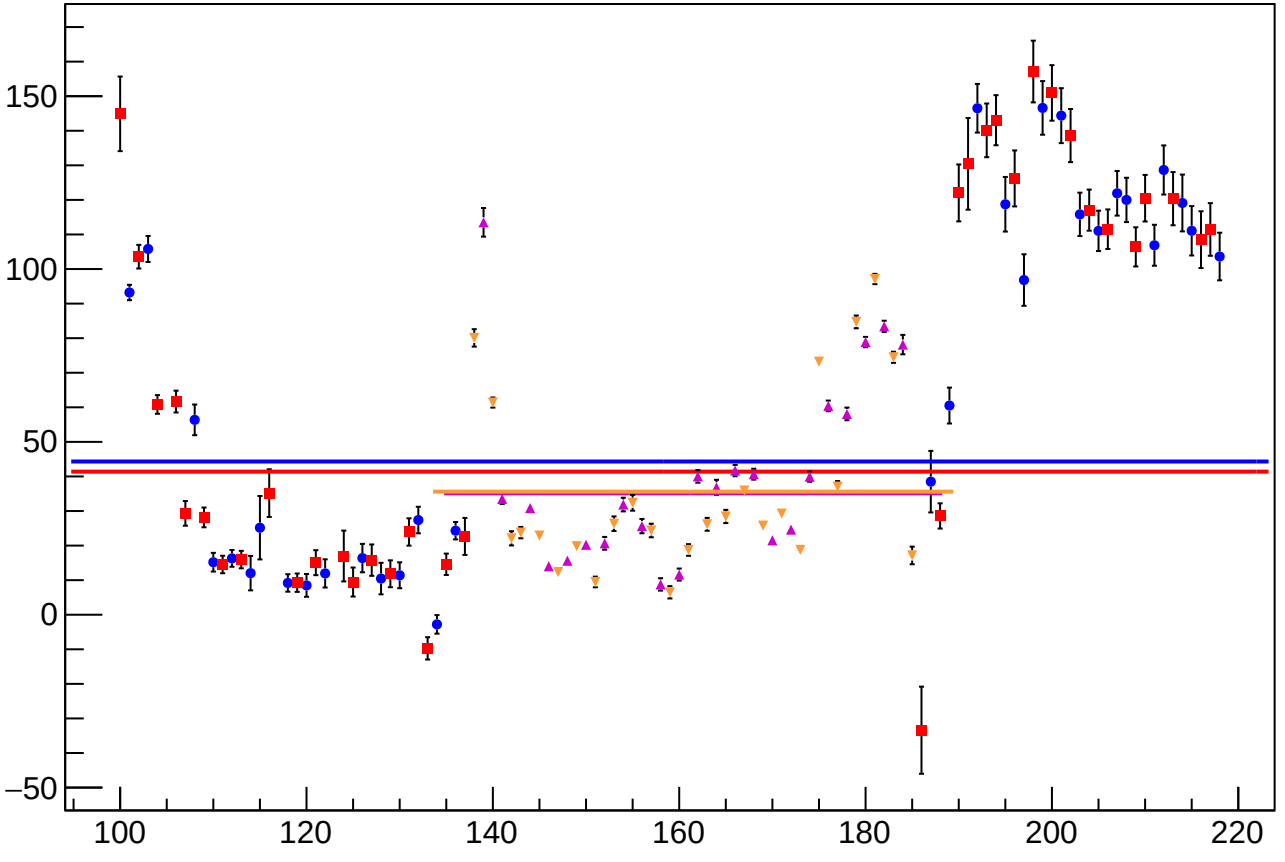
Left In: -88.888+/-0.435 χ^2/NDF:11815.7/22

+ sign -71.929+/-0.347 χ^2/NDF: 23076.3/56

All: -69.319+/-0.245 χ^2/NDF: 44545.5/115

- sign -66.718+/-0.346 χ^2/NDF: 21355.9/58

reg_asym_sam4_diff_bpm4aY_slope vs Slug



Right In: 44.327+/-0.730 χ^2/NDF: 3731.7/31

Left Out: 35.612+/-0.326 χ^2/NDF:5973.0/24

Right Out: 41.397+/-0.719 χ^2/NDF: 3488.0/35

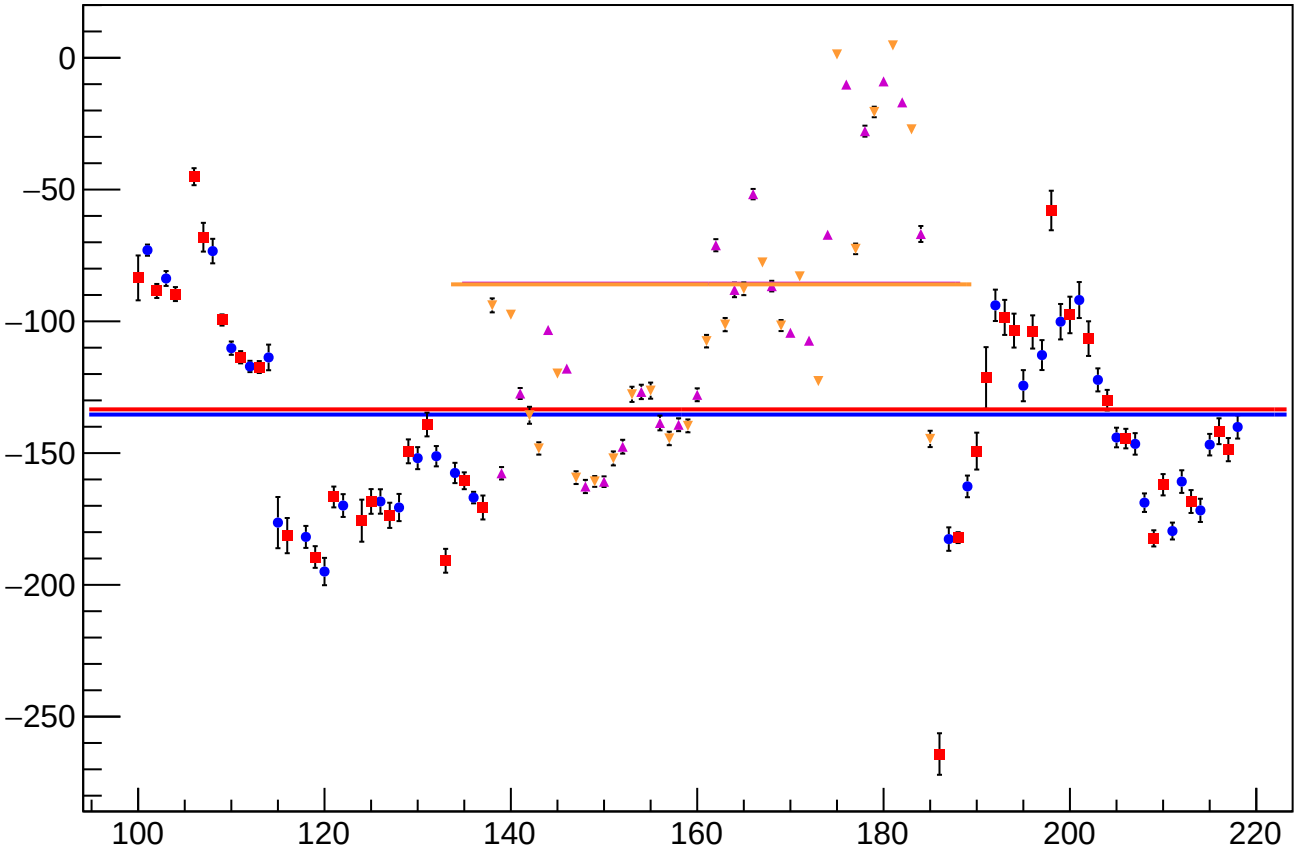
Left In: 35.112+/-0.336 χ^2/NDF:4144.4/22

+ sign 37.060+/-0.297 χ^2/NDF: 9823.7/56

All: 36.660+/-0.213 χ^2/NDF: 17522.4/115

- sign 36.240+/-0.305 χ^2/NDF: 7695.1/58

reg_asym_sam4_diff_bpm4eX_slope vs Slug



Right In: -135.377+/-0.663 χ^2/NDF: 2982.7/31

Left Out: -85.969+/-0.421 χ^2/NDF:16232.5/24

Right Out: -133.402+/-0.641 χ^2/NDF: 4084.1/35

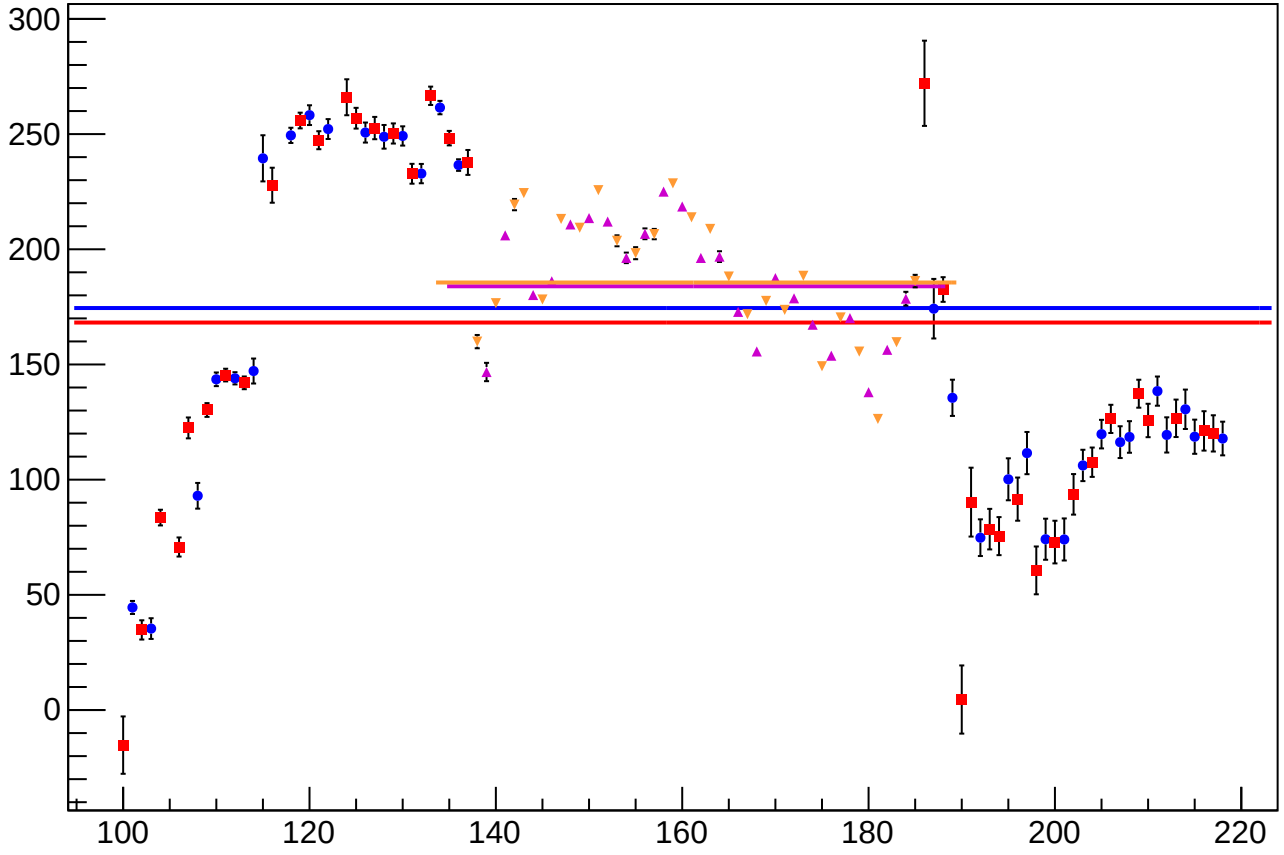
Left In: -85.705+/-0.432 χ^2/NDF:13758.7/22

+ sign -100.157+/-0.355 χ^2/NDF: 23174.0/56

All: -100.395+/-0.252 χ^2/NDF: 44825.6/115

- sign -100.637+/-0.358 χ^2/NDF: 21650.7/58

reg_asym_sam4_diff_bpm4eY_slope vs Slug



Right In: 174.498+/-0.829 χ^2/NDF: 8425.1/31

Left Out: 185.583+/-0.367 χ^2/NDF:5354.7/24

Right Out: 168.199+/-0.823 χ^2/NDF: 7871.1/35

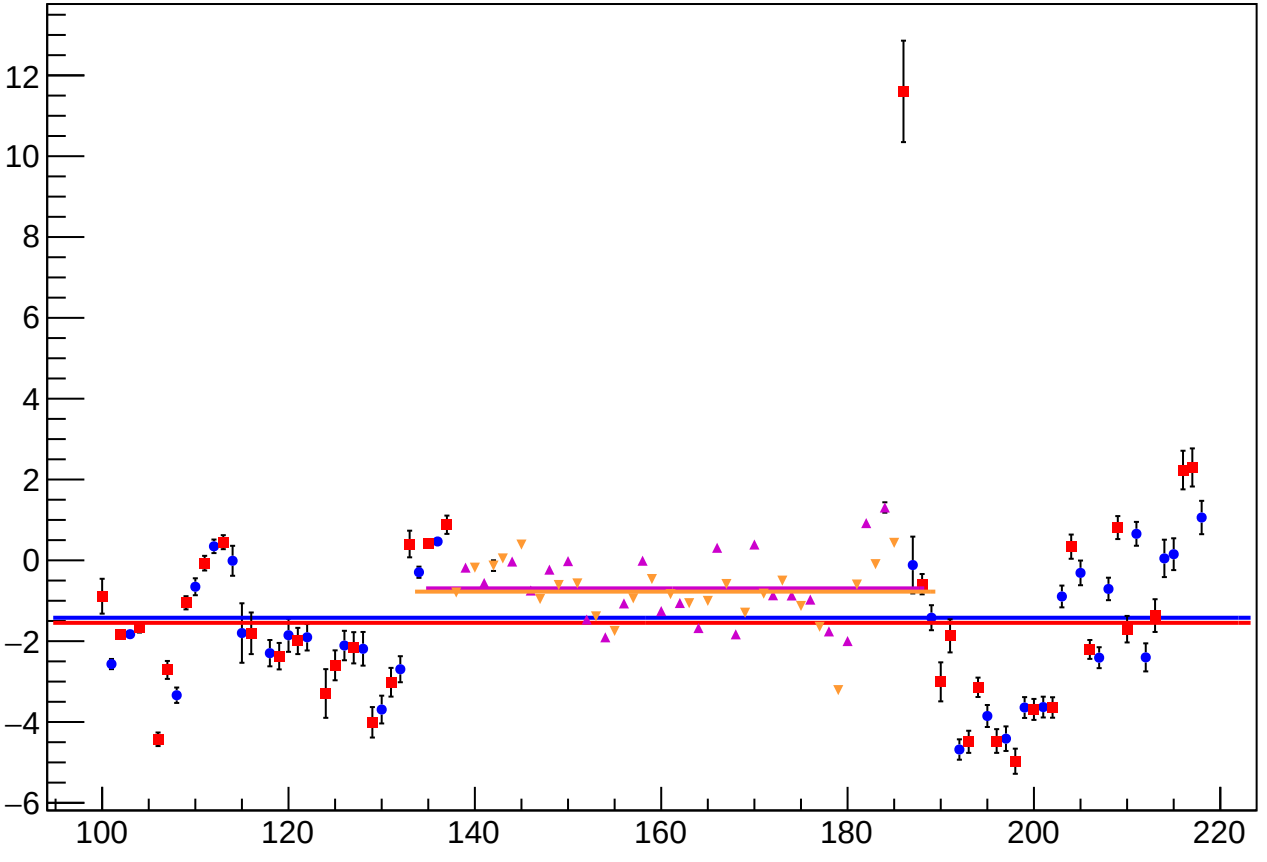
Left In: 183.940+/-0.378 χ^2/NDF:3873.5/22

+ sign 183.769+/-0.335 χ^2/NDF: 13929.4/56

All: 182.516+/-0.240 χ^2/NDF: 26004.4/115

- sign 181.204+/-0.343 χ^2/NDF: 12046.5/58

reg_asym_sam4_diff_bpm12X_slope vs Slug



Right In: -1.420+/-0.041 χ^2/NDF: 1473.9/31

Left Out: -0.774+/-0.016 χ^2/NDF:1822.9/24

Right Out: -1.546+/-0.040 χ^2/NDF: 1924.2/35

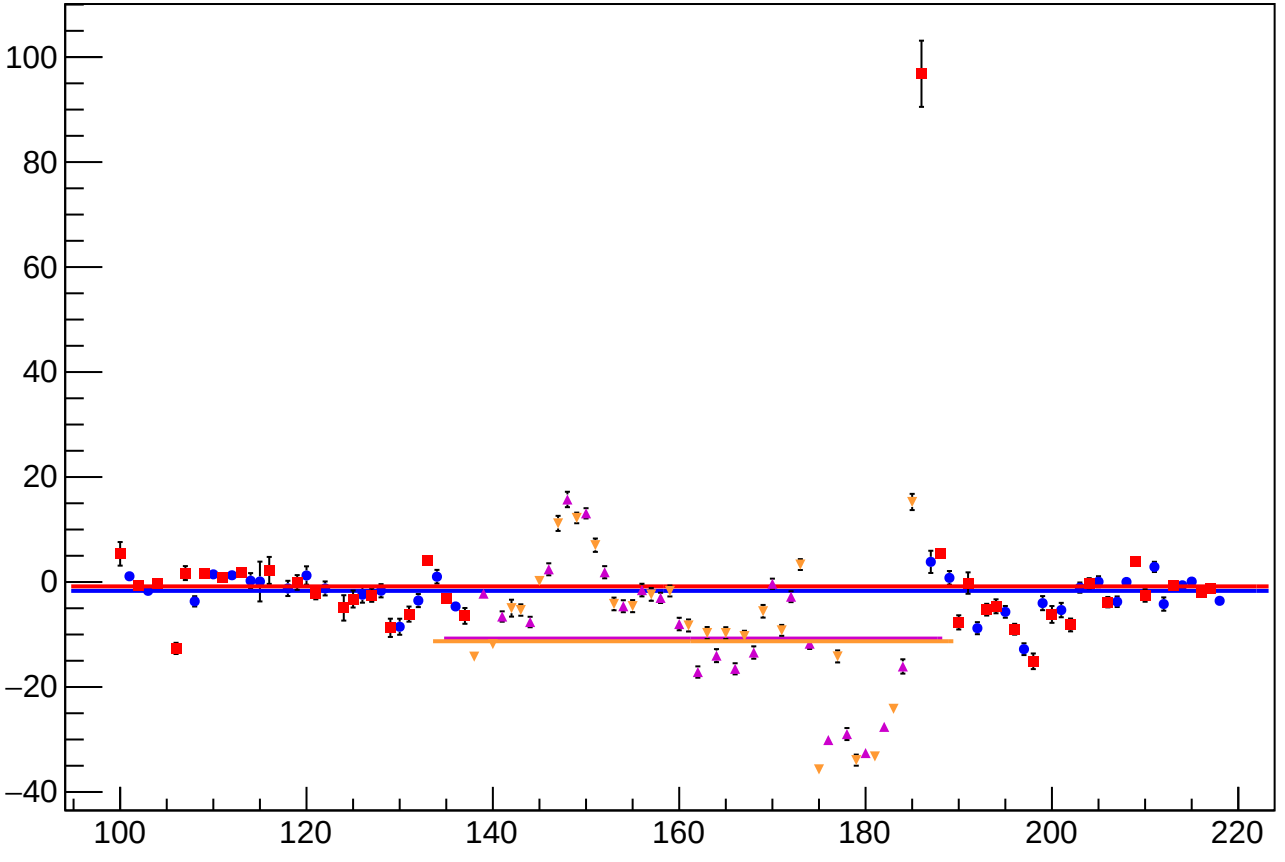
Left In: -0.694+/-0.017 χ^2/NDF:2565.3/22

+ sign -0.865+/-0.015 χ^2/NDF: 3514.1/56

All: -0.843+/-0.011 χ^2/NDF: 8391.7/115

- sign -0.820+/-0.015 χ^2/NDF: 4873.4/58

reg_asym_sam5_diff_bpm1X_slope vs Slug



Right In: -1.687+/-0.182 χ^2/NDF: 329.6/31

Left Out: -11.283+/-0.208 χ^2/NDF:4500.3/24

Right Out: -0.832+/-0.168 χ^2/NDF: 931.2/35

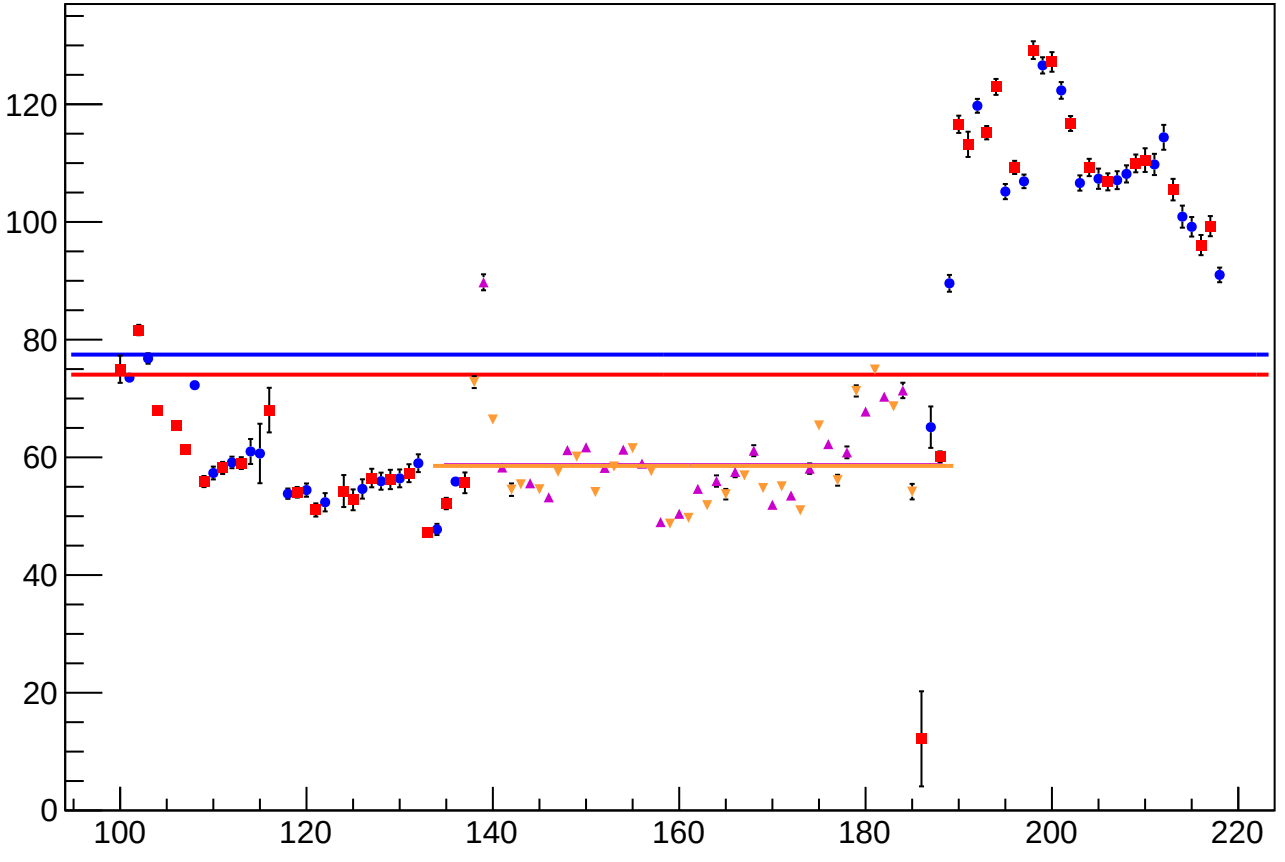
Left In: -10.776+/-0.213 χ^2/NDF:3699.2/22

\+ sign -5.855+/-0.137 χ^2/NDF: 6034.2/56

All: -5.227+/-0.095 χ^2/NDF: 12044.4/115

\- sign -4.644+/-0.132 χ^2/NDF: 5969.7/58

reg_asym_sam5_diff_bpm4aY_slope vs Slug



Right In: 77.462+/-0.216 χ^2/NDF: 12102.7/31

Left Out: 58.550+/-0.161 χ^2/NDF:1902.5/24

Right Out: 74.055+/-0.201 χ^2/NDF: 16329.4/35

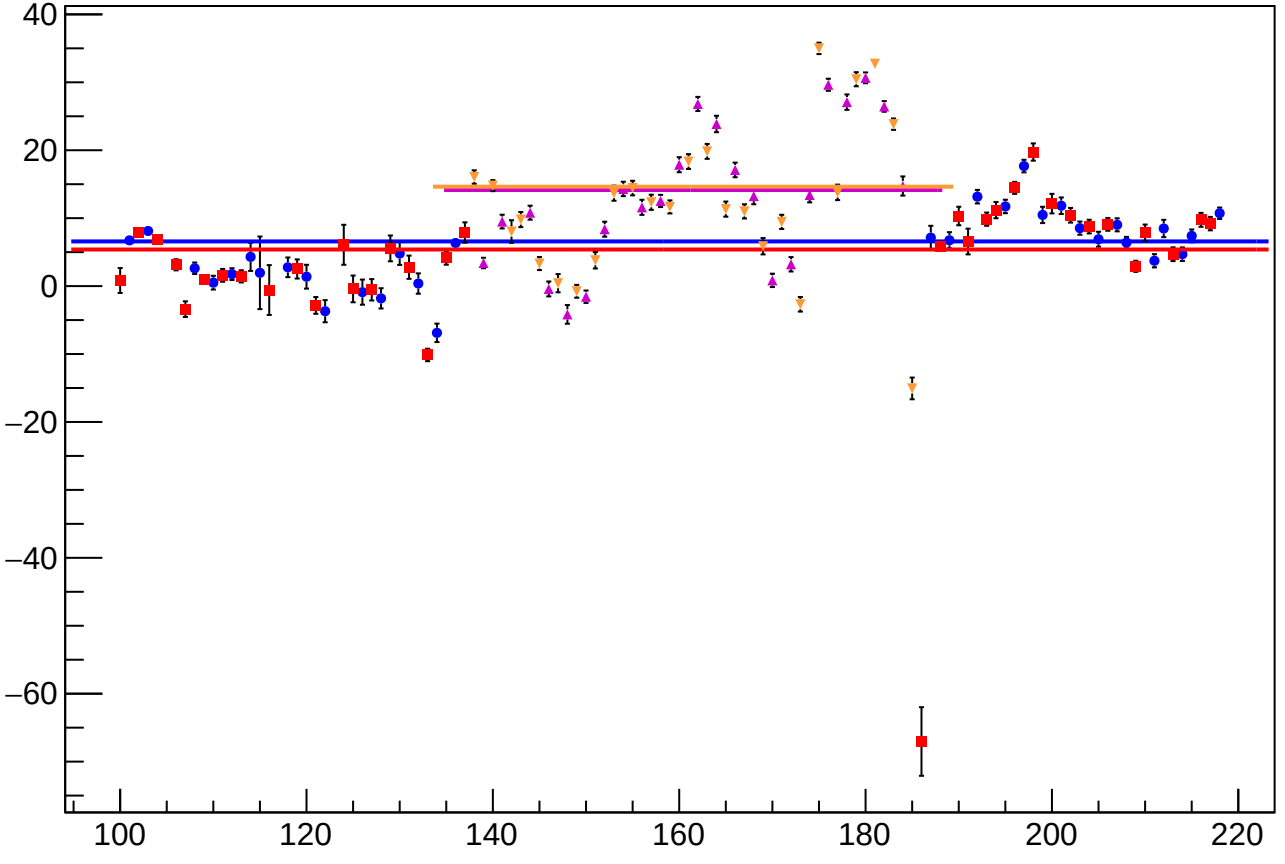
Left In: 58.679+/-0.168 χ^2/NDF:1613.4/22

+ sign 65.331+/-0.129 χ^2/NDF: 18942.1/56

All: 65.180+/-0.091 χ^2/NDF: 40332.0/115

- sign 65.029+/-0.129 χ^2/NDF: 21387.1/58

reg_asym_sam5_diff_bpm4eX_slope vs Slug



Right In: 6.579+/-0.185 χ^2/NDF: 609.2/31

Left Out: 14.634+/-0.207 χ^2/NDF:2962.1/24

Right Out: 5.387+/-0.173 χ^2/NDF: 1148.1/35

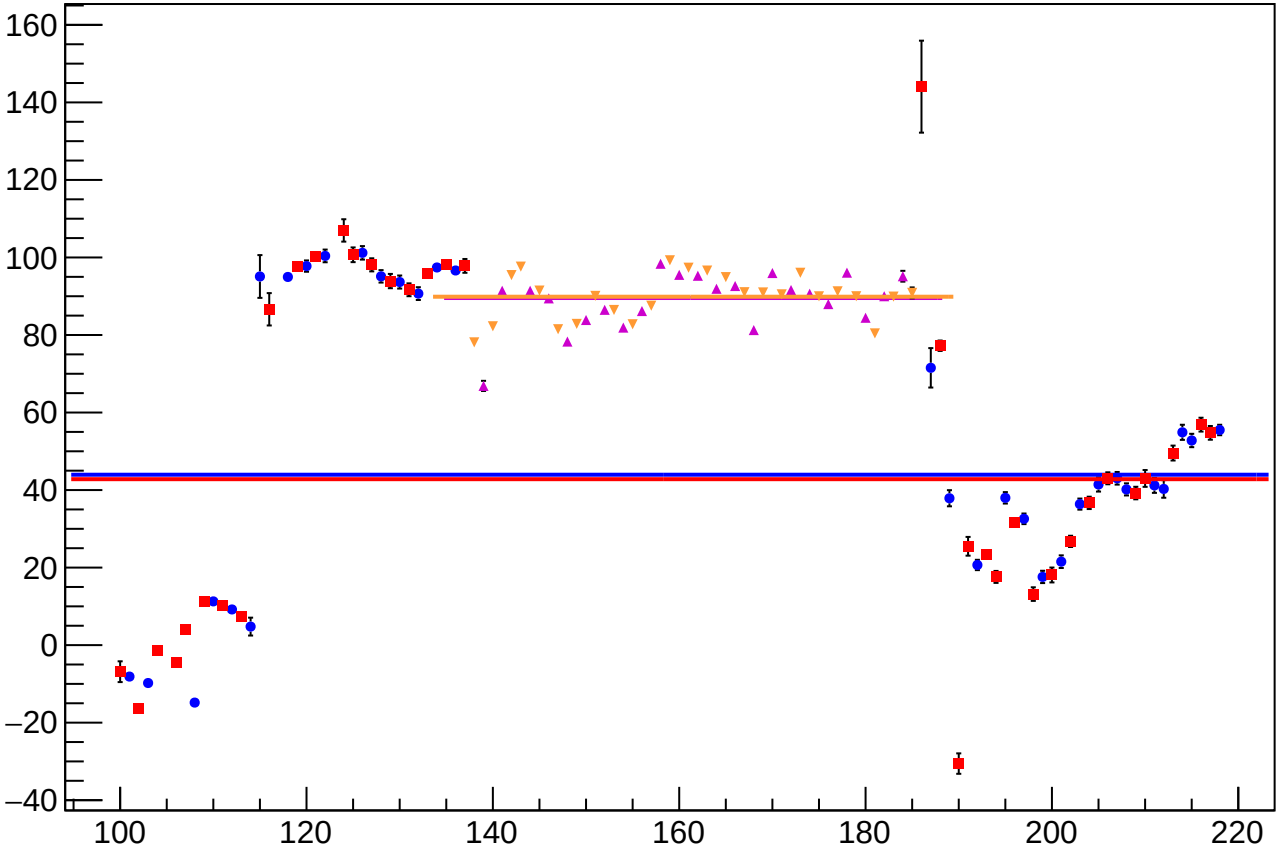
Left In: 14.146+/-0.211 χ^2/NDF:2541.2/22

+ sign 10.152+/-0.138 χ^2/NDF: 4416.3/56

All: 9.505+/-0.096 χ^2/NDF: 9179.2/115

- sign 8.894+/-0.134 χ^2/NDF: 4719.9/58

reg_asym_sam5_diff_bpm4eY_slope vs Slug



Right In: 43.957+/-0.248 χ^2/NDF: 28079.3/31

Left Out: 89.875+/-0.181 χ^2/NDF:1065.4/24

Right Out: 42.807+/-0.234 χ^2/NDF: 31866.7/35

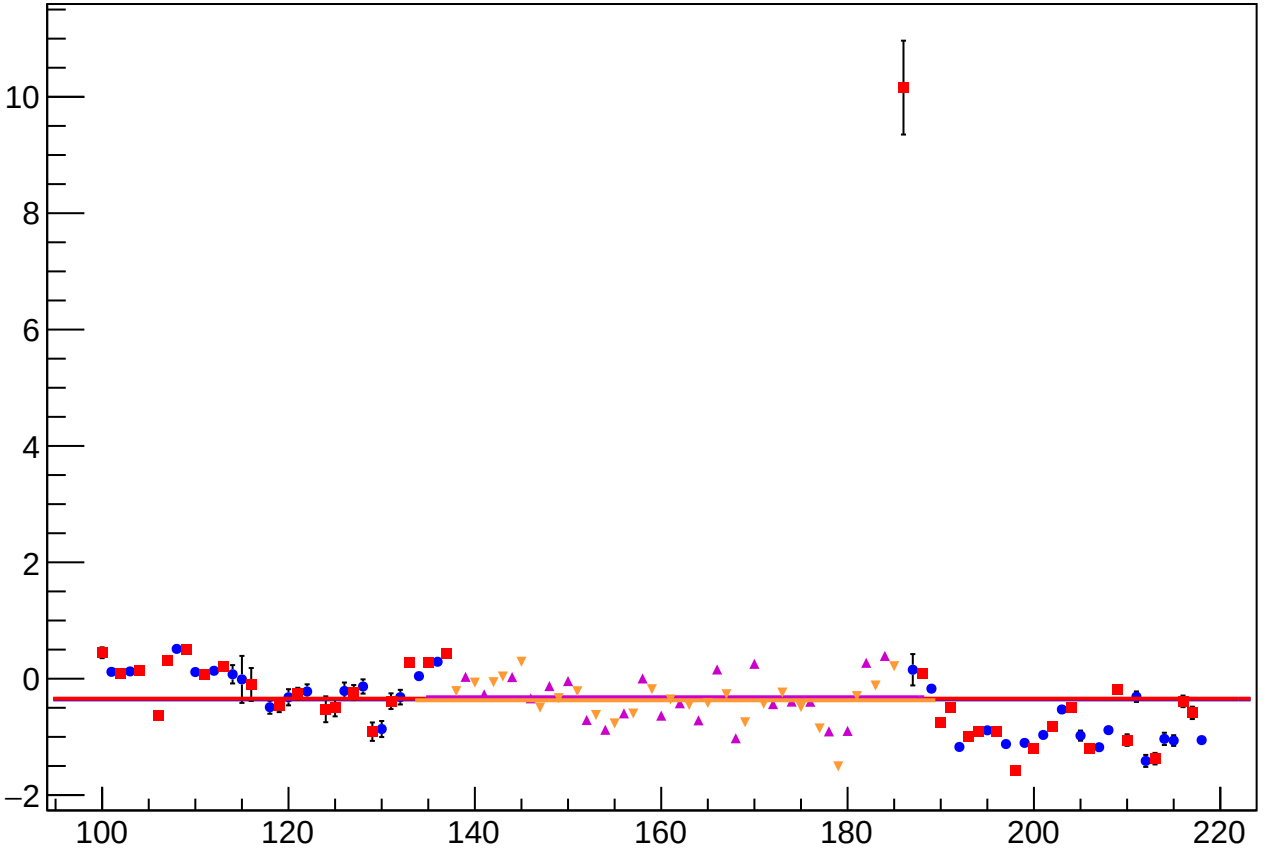
Left In: 89.541+/-0.188 χ^2/NDF:1095.3/22

+ sign 73.874+/-0.146 χ^2/NDF: 51565.7/56

All: 72.576+/-0.103 χ^2/NDF: 108961.8/115

- sign 71.273+/-0.146 χ^2/NDF: 57237.9/58

reg_asym_sam5_diff_bpm12X_slope vs Slug



Right In: -0.355+/-0.010 χ^2/NDF: 3564.3/31

Left Out: -0.371+/-0.008 χ^2/NDF:1769.5/24

Right Out: -0.344+/-0.010 χ^2/NDF: 3858.1/35

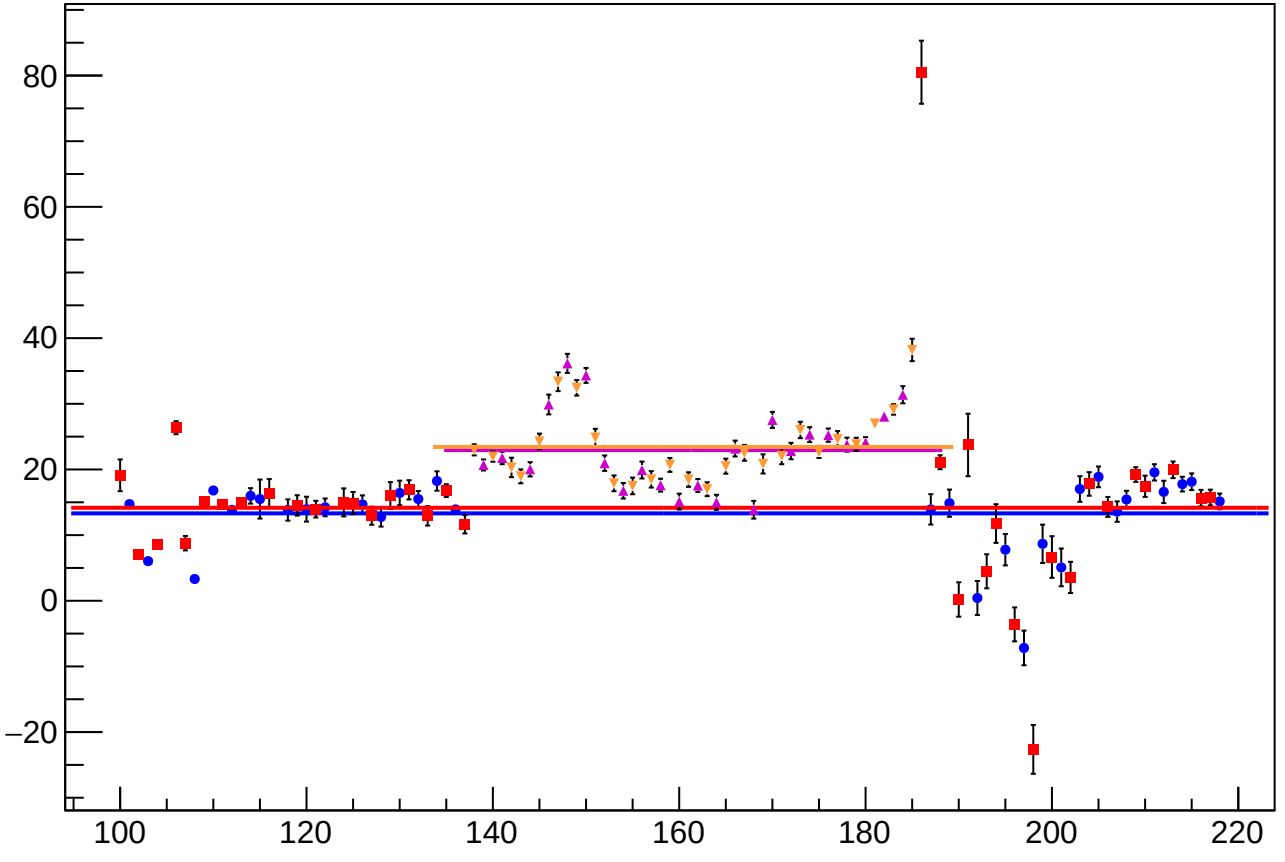
Left In: -0.319+/-0.008 χ^2/NDF:2441.1/22

+ sign -0.365+/-0.006 χ^2/NDF: 5335.2/56

All: -0.347+/-0.004 χ^2/NDF: 11654.0/115

- sign -0.329+/-0.006 χ^2/NDF: 6302.8/58

reg_asym_sam6_diff_bpm1X_slope vs Slug



Right In: 13.312+/-0.190 χ^2/NDF: 574.8/31

Left Out: 23.431+/-0.216 χ^2/NDF:427.8/24

Right Out: 14.163+/-0.183 χ^2/NDF: 911.7/35

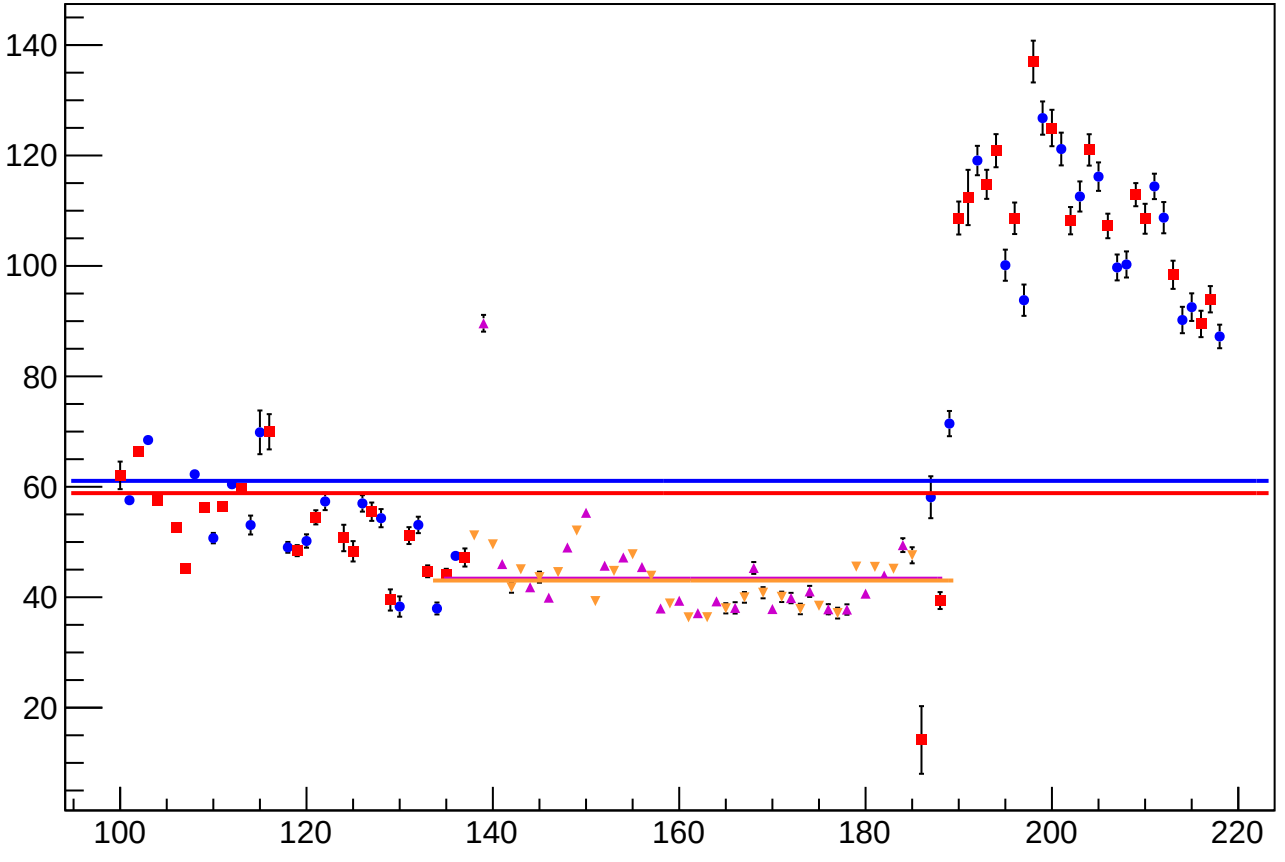
Left In: 22.949+/-0.225 χ^2/NDF:565.2/22

+ sign 17.730+/-0.143 χ^2/NDF: 2240.9/56

All: 17.695+/-0.101 χ^2/NDF: 4632.7/115

- sign 17.660+/-0.142 χ^2/NDF: 2391.7/58

reg_asym_sam6_diff_bpm4aY_slope vs Slug



Right In: 61.074+/-0.210 χ^2/NDF: 5871.7/31

Left Out: 43.029+/-0.167 χ^2/NDF:780.7/24

Right Out: 58.853+/-0.212 χ^2/NDF: 7040.3/35

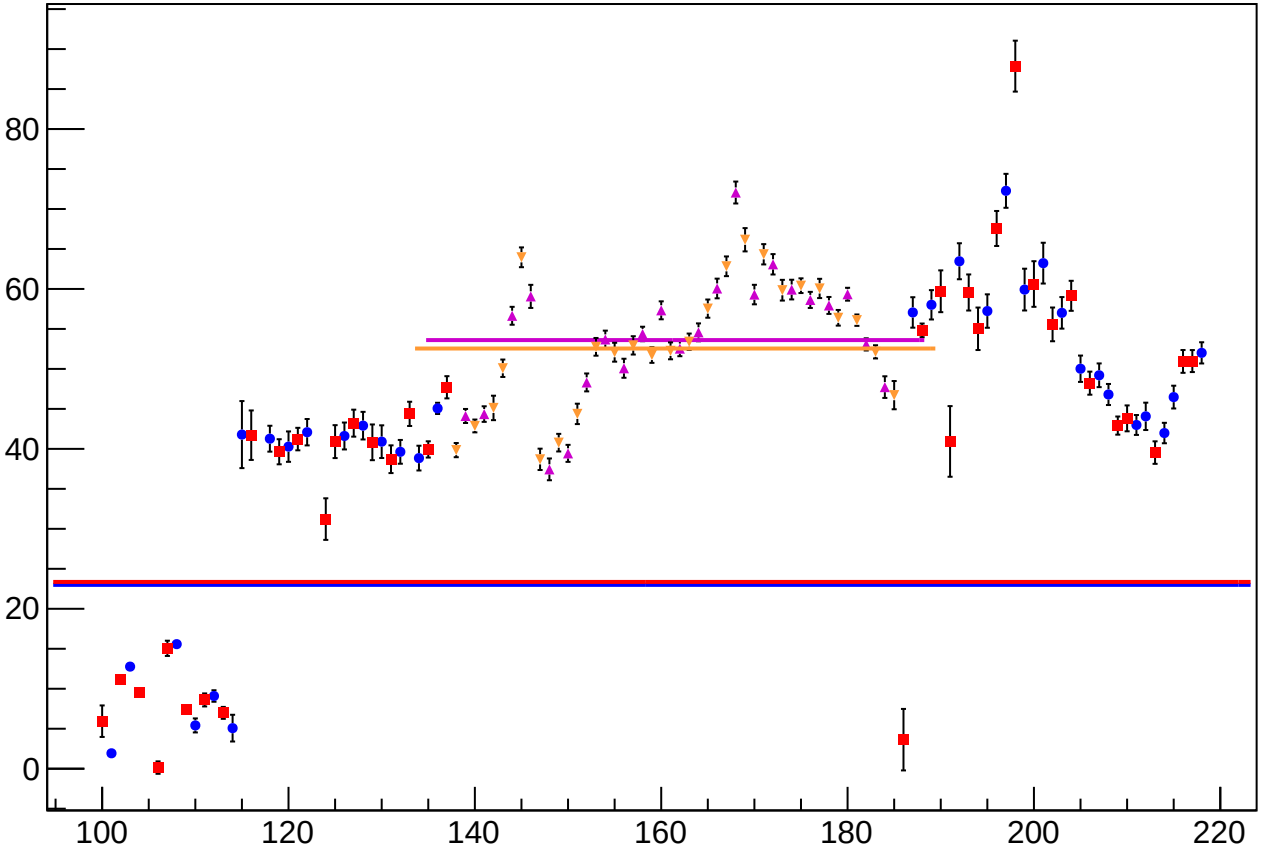
Left In: 43.361+/-0.177 χ^2/NDF:1683.3/22

+ sign 50.042+/-0.131 χ^2/NDF: 11174.2/56

All: 49.898+/-0.094 χ^2/NDF: 23053.7/115

- sign 49.742+/-0.136 χ^2/NDF: 11876.9/58

reg_asym_sam6_diff_bpm4eX_slope vs Slug



Right In: 22.992+/-0.190 χ^2/NDF: 11231.8/31

Left Out: 52.550+/-0.215 χ^2/NDF:1186.2/24

Right Out: 23.360+/-0.193 χ^2/NDF: 10474.5/35

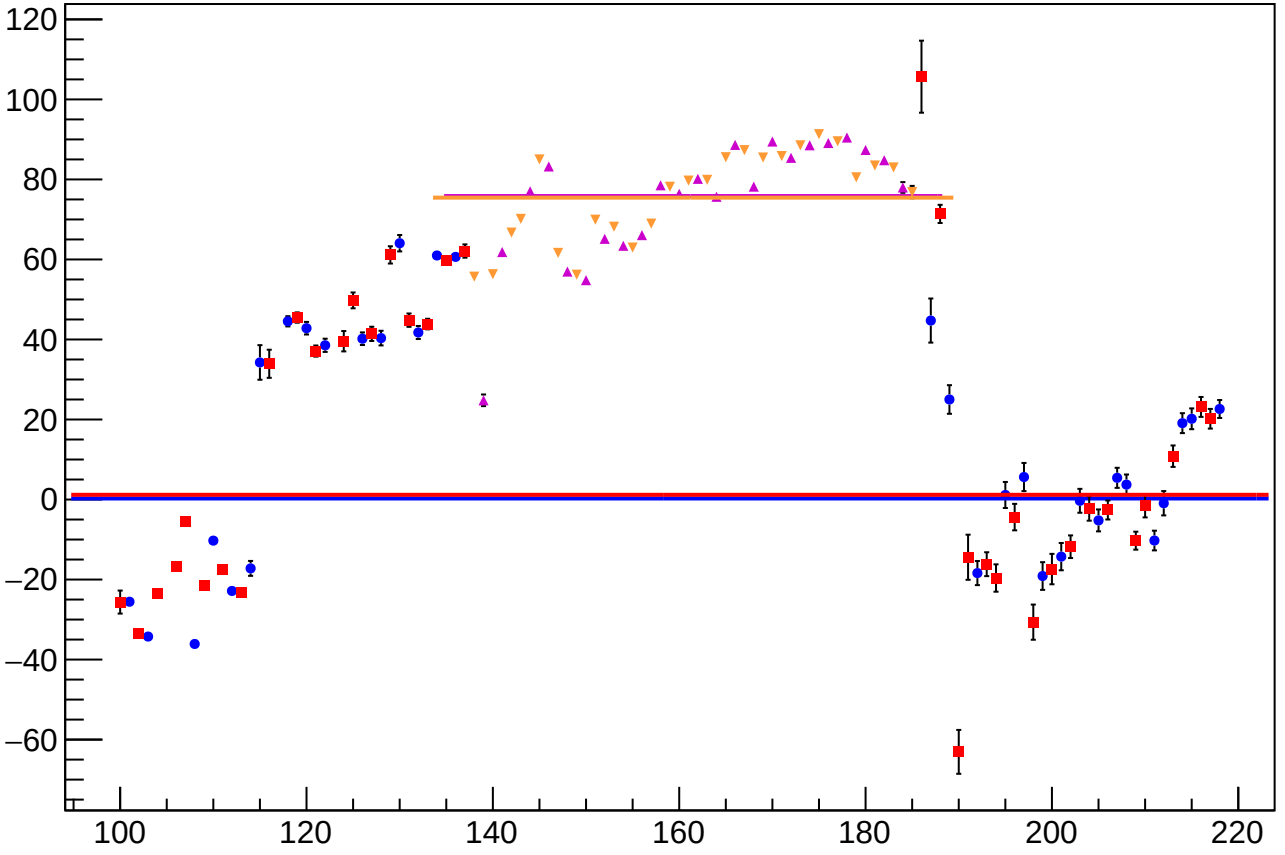
Left In: 53.605+/-0.223 χ^2/NDF:1015.9/22

+ sign 35.988+/-0.142 χ^2/NDF: 23049.3/56

All: 36.142+/-0.102 χ^2/NDF: 45074.2/115

- sign 36.304+/-0.146 χ^2/NDF: 22022.5/58

reg_asym_sam6_diff_bpm4eY_slope vs Slug



Right In: 0.259+/-0.246 χ^2/NDF: 21482.3/31

Left Out: 75.448+/-0.188 χ^2/NDF:3469.1/24

Right Out: 1.180+/-0.248 χ^2/NDF: 17620.1/35

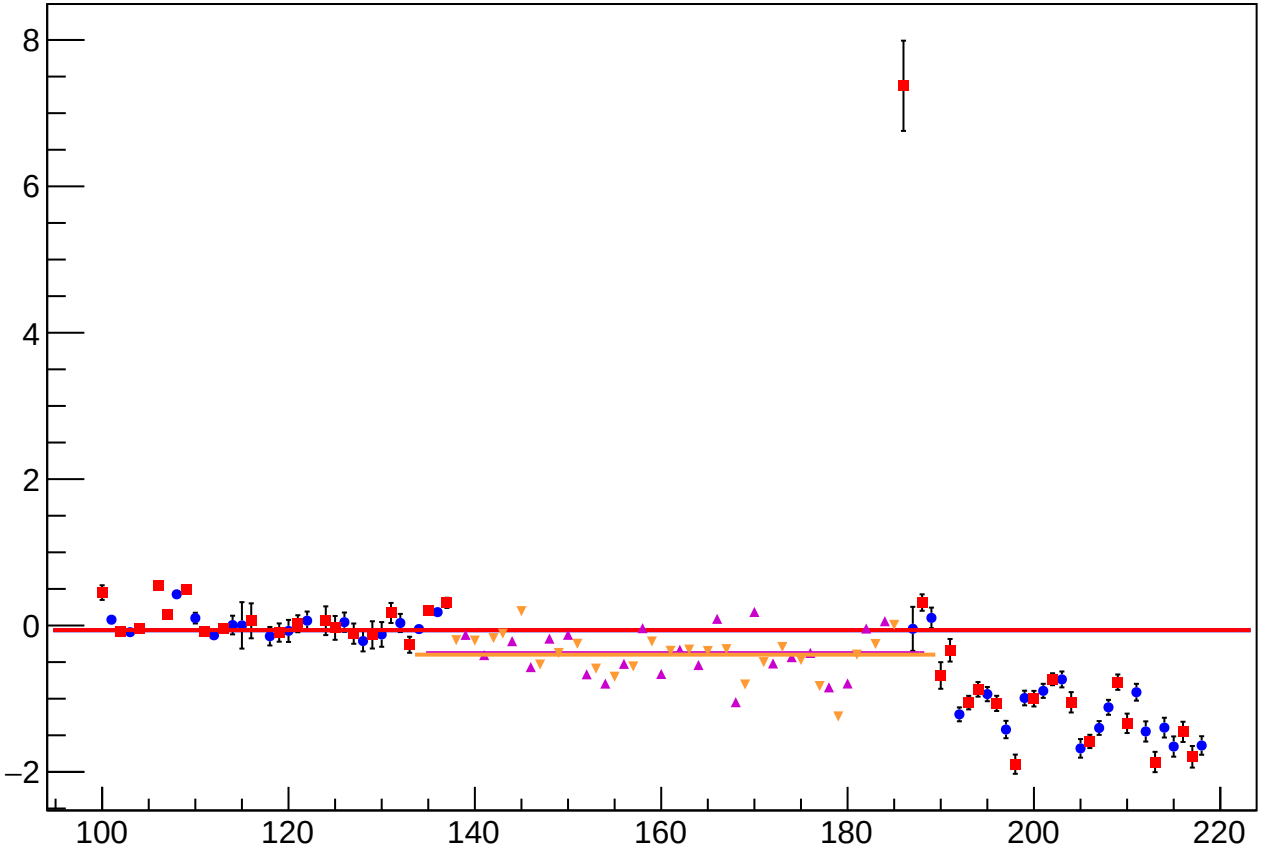
Left In: 75.844+/-0.197 χ^2/NDF:4265.6/22

+ sign 47.643+/-0.150 χ^2/NDF: 83888.2/56

All: 47.287+/-0.107 χ^2/NDF: 161310.6/115

- sign 46.908+/-0.154 χ^2/NDF: 77410.8/58

reg_asym_sam6_diff_bpm12X_slope vs Slug



Right In: -0.065+/-0.010 χ^2/NDF: 2070.7/31

Left Out: -0.398+/-0.008 χ^2/NDF:1031.5/24

Right Out: -0.063+/-0.011 χ^2/NDF: 2243.8/35

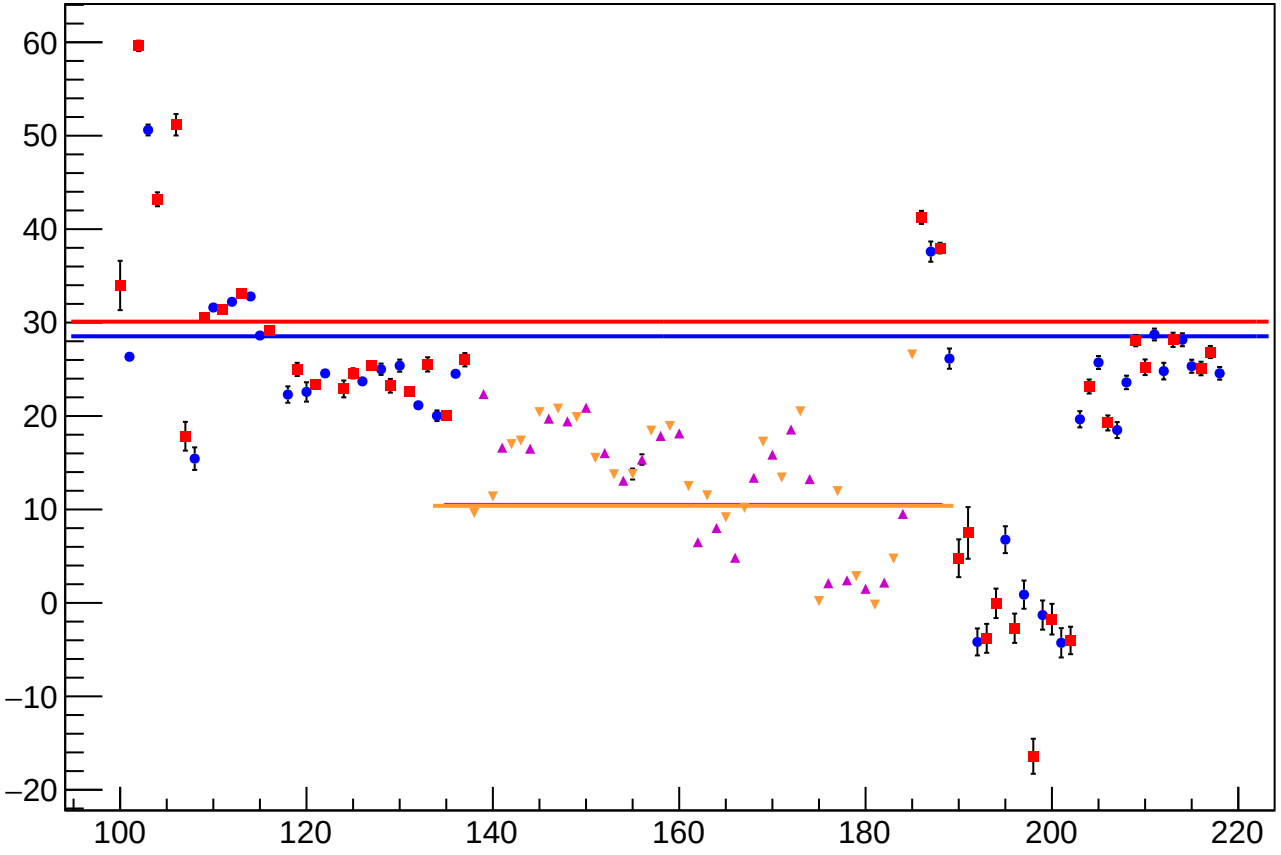
Left In: -0.378+/-0.009 χ^2/NDF:1351.5/22

+ sign -0.267+/-0.007 χ^2/NDF: 3718.7/56

All: -0.260+/-0.005 χ^2/NDF: 7850.3/115

- sign -0.252+/-0.007 χ^2/NDF: 4129.2/58

reg_asym_sam7_diff_bpm1X_slope vs Slug



Right In: 28.534+/-0.085 χ^2/NDF: 5824.9/31

Left Out: 10.390+/-0.064 χ^2/NDF:13792.8/24

Right Out: 30.100+/-0.075 χ^2/NDF: 9022.2/35

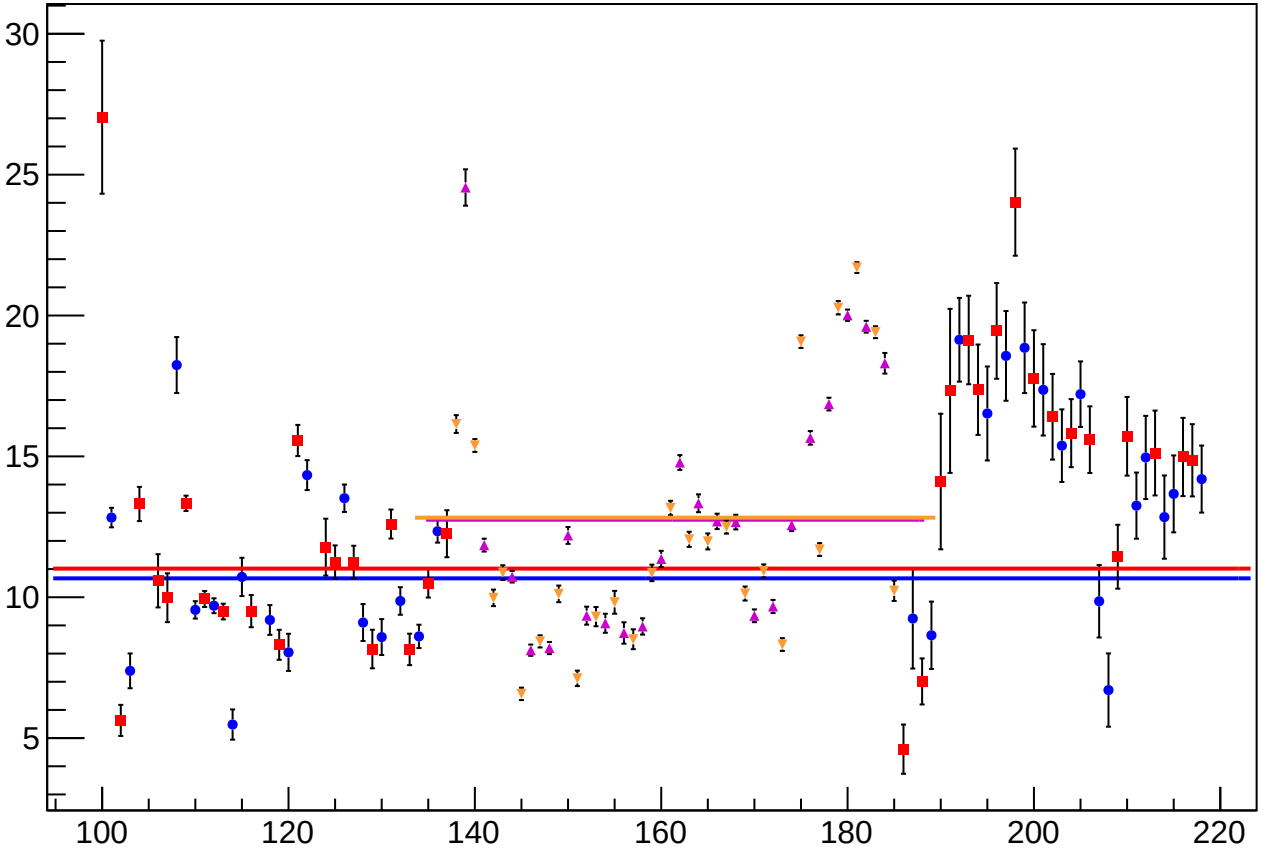
Left In: 10.488+/-0.067 χ^2/NDF:11498.1/22

+ sign 16.987+/-0.051 χ^2/NDF: 48724.1/56

All: 18.089+/-0.036 χ^2/NDF: 108193.0/115

- sign 19.139+/-0.050 χ^2/NDF: 58561.8/58

reg_asym_sam7_diff_bpm4aY_slope vs Slug



Right In: 10.670+/-0.108 χ^2/NDF: 611.4/31

Left Out: 12.825+/-0.051 χ^2/NDF:8016.5/24

Right Out: 11.017+/-0.107 χ^2/NDF: 713.4/35

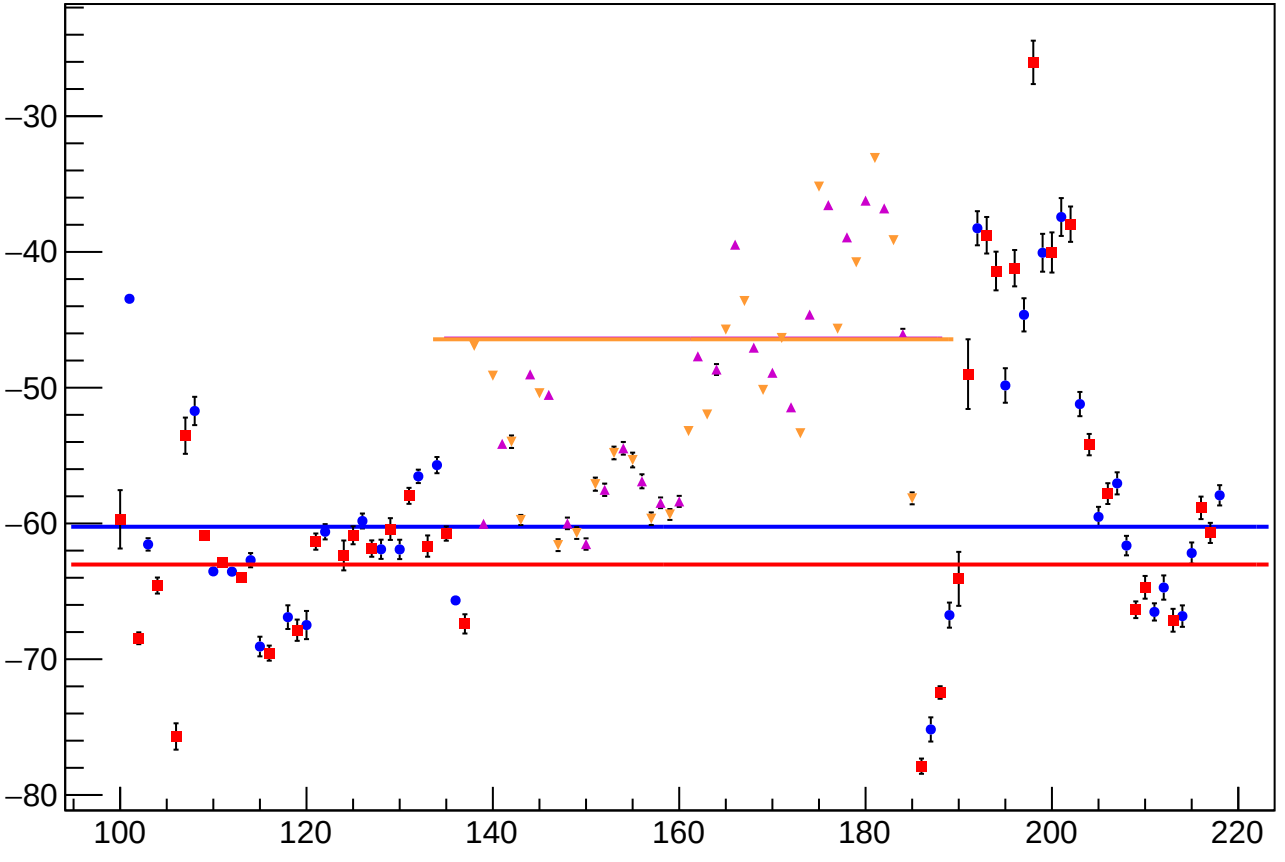
Left In: 12.752+/-0.053 χ^2/NDF:5502.5/22

+ sign 12.432+/-0.046 χ^2/NDF: 8952.1/56

All: 12.421+/-0.033 χ^2/NDF: 15380.8/115

- sign 12.409+/-0.047 χ^2/NDF: 6428.5/58

reg_asym_sam7_diff_bpm4eX_slope vs Slug



Right In: -60.243+/-0.101 χ^2/NDF: 5272.7/31

Left Out: -46.435+/-0.064 χ^2/NDF:18170.4/24

Right Out: -63.025+/-0.095 χ^2/NDF: 4223.9/35

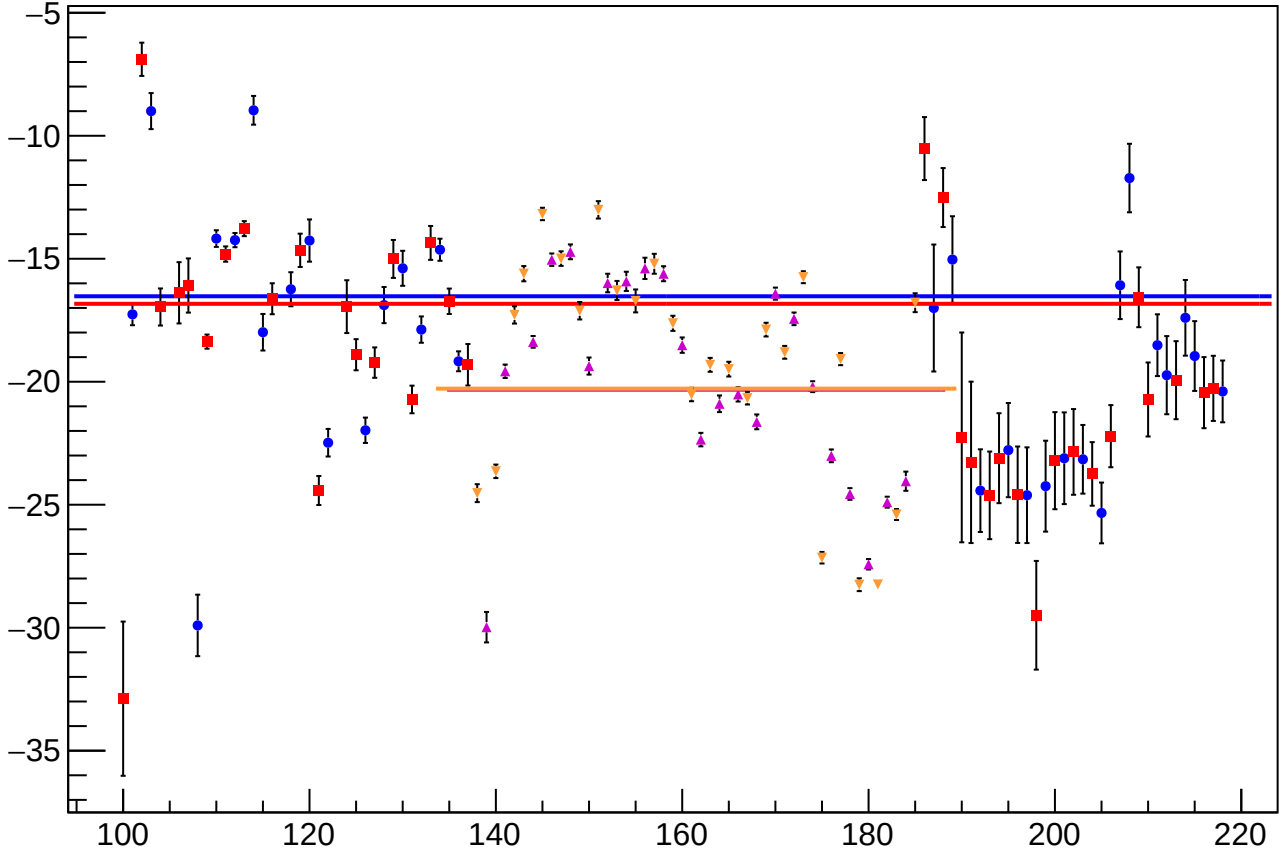
Left In: -46.383+/-0.067 χ^2/NDF:15080.6/22

\+ sign -50.456+/-0.054 χ^2/NDF: 36818.2/56

All: -51.158+/-0.039 χ^2/NDF: 76937.6/115

\- sign -51.873+/-0.055 χ^2/NDF: 39780.8/58

reg_asym_sam7_diff_bpm4eY_slope vs Slug



Right In: -16.526+/-0.121 χ^2/NDF: 991.4/31

Left Out: -20.281+/-0.057 χ^2/NDF:7019.5/24

Right Out: -16.832+/-0.118 χ^2/NDF: 906.2/35

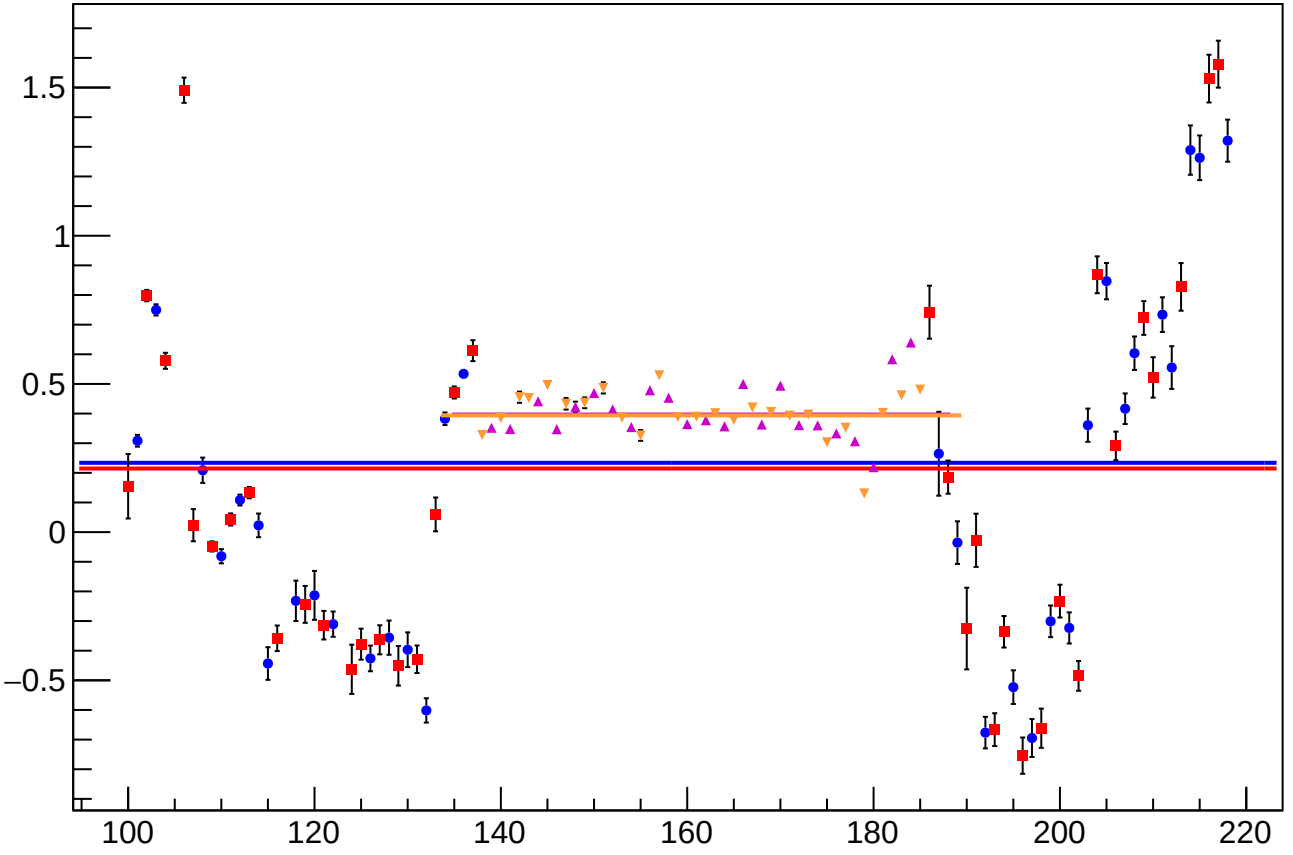
Left In: -20.324+/-0.059 χ^2/NDF:4272.7/22

+ sign -19.595+/-0.052 χ^2/NDF: 8801.6/56

All: -19.611+/-0.037 χ^2/NDF: 14676.9/115

- sign -19.628+/-0.053 χ^2/NDF: 5875.1/58

reg_asym_sam7_diff_bpm12X_slope vs Slug



Right In: 0.234+/-0.006 χ^2/NDF: 4375.4/31

Left Out: 0.394+/-0.003 χ^2/NDF:946.9/24

Right Out: 0.215+/-0.006 χ^2/NDF: 5541.6/35

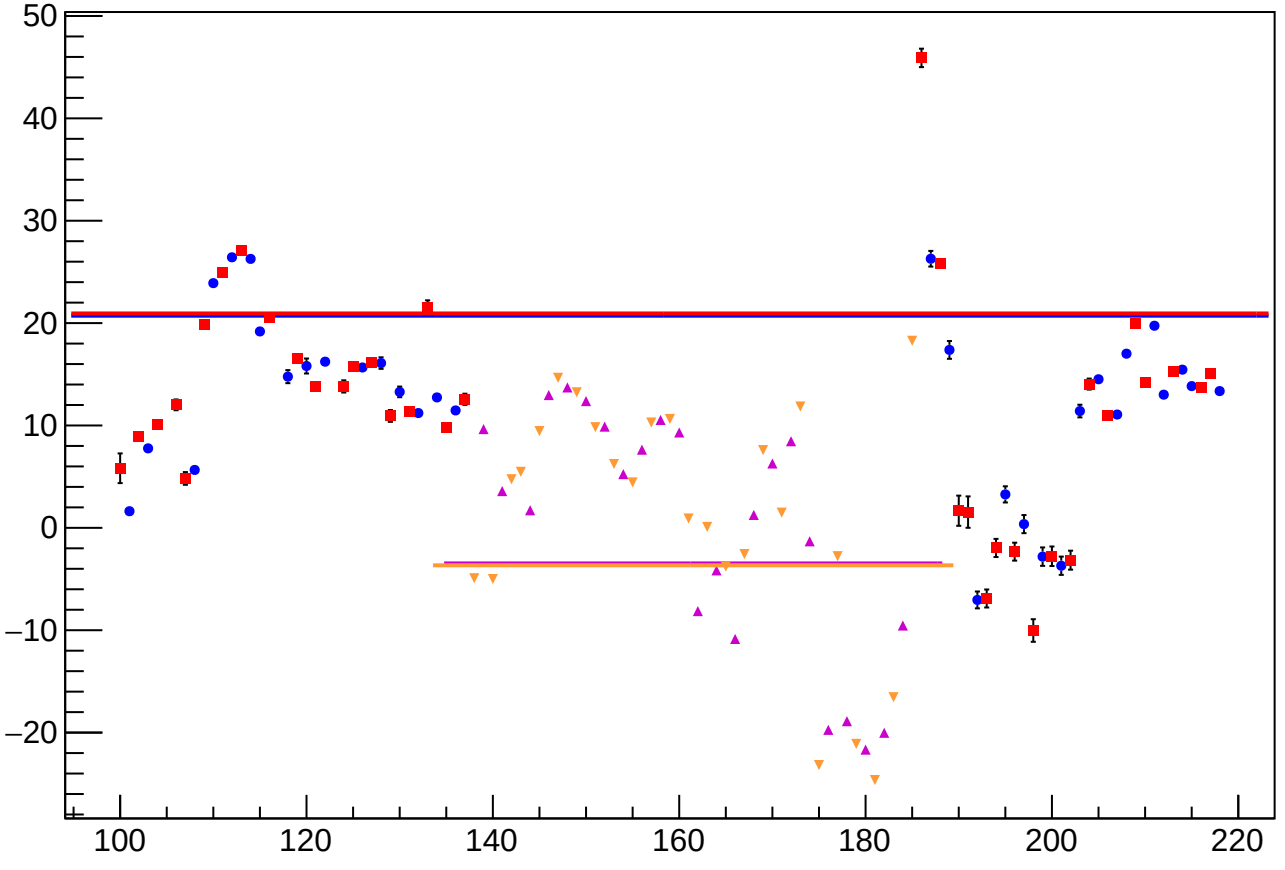
Left In: 0.397+/-0.003 χ^2/NDF:1295.7/22

+ sign 0.372+/-0.002 χ^2/NDF: 5855.9/56

All: 0.371+/-0.002 χ^2/NDF: 13377.2/115

- sign 0.371+/-0.002 χ^2/NDF: 7521.2/58

reg_asym_sam8_diff_bpm1X_slope vs Slug



Right In: 20.727+/-0.051 χ^2/NDF: 19318.4/31

Left Out: -3.660+/-0.055 χ^2/NDF:56739.4/24

Right Out: 20.943+/-0.043 χ^2/NDF: 18843.3/35

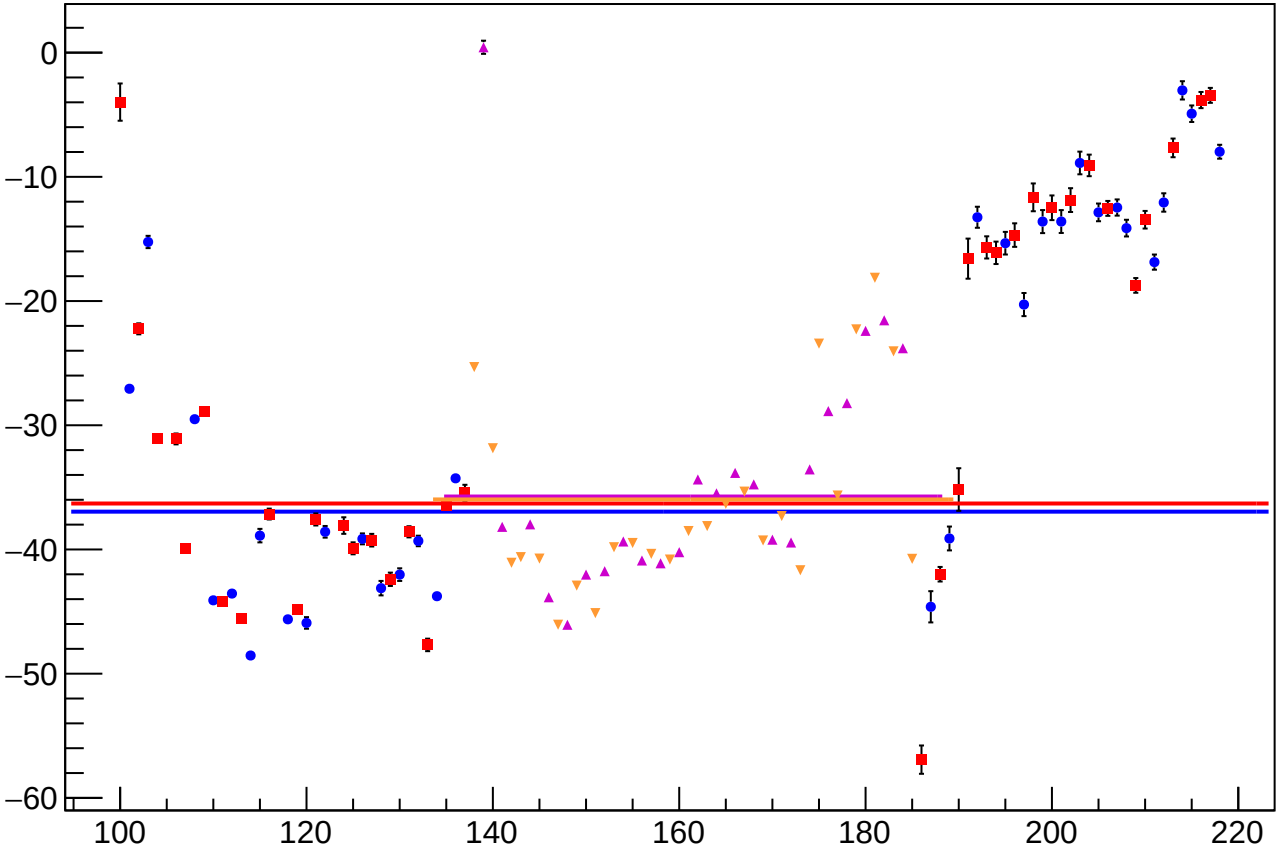
Left In: -3.475+/-0.057 χ^2/NDF:45103.9/22

+ sign 9.339+/-0.037 χ^2/NDF: 182642.6/56

All: 10.816+/-0.025 χ^2/NDF: 364789.2/115

- sign 12.087+/-0.035 χ^2/NDF: 179224.7/58

reg_asym_sam8_diff_bpm4aY_slope vs Slug



Right In: -36.955+/-0.071 χ^2/NDF: 27153.0/31

Left Out: -35.973+/-0.042 χ^2/NDF:33609.3/24

Right Out: -36.299+/-0.067 χ^2/NDF: 26770.8/35

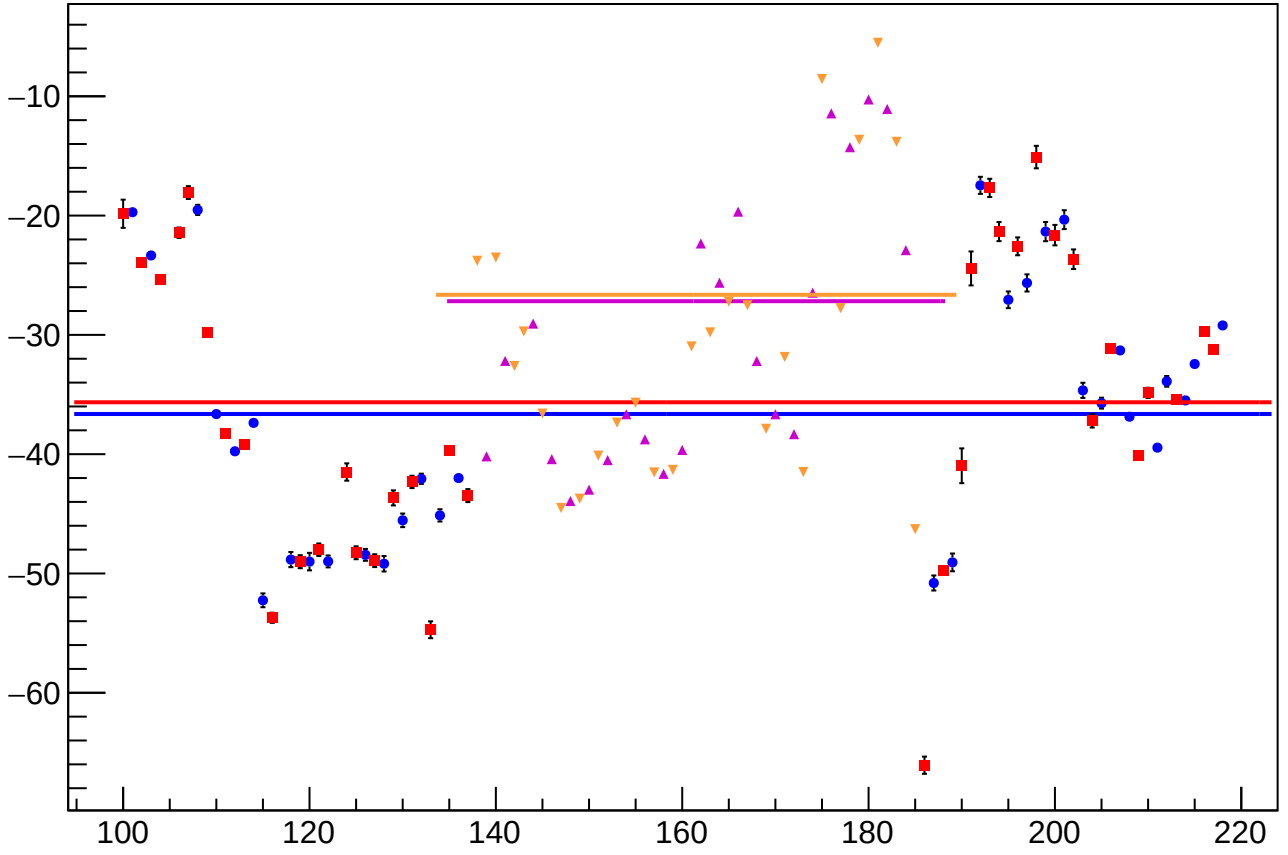
Left In: -35.737+/-0.045 χ^2/NDF:27154.8/22

+ sign -36.231+/-0.036 χ^2/NDF: 60903.4/56

All: -36.076+/-0.026 χ^2/NDF: 114915.2/115

- sign -35.913+/-0.037 χ^2/NDF: 53974.5/58

reg_asym_sam8_diff_bpm4eX_slope vs Slug



Right In: -36.633+/-0.063 χ^2/NDF: 14628.2/31

Left Out: -26.639+/-0.055 χ^2/NDF:50051.9/24

Right Out: -35.649+/-0.057 χ^2/NDF: 19810.1/35

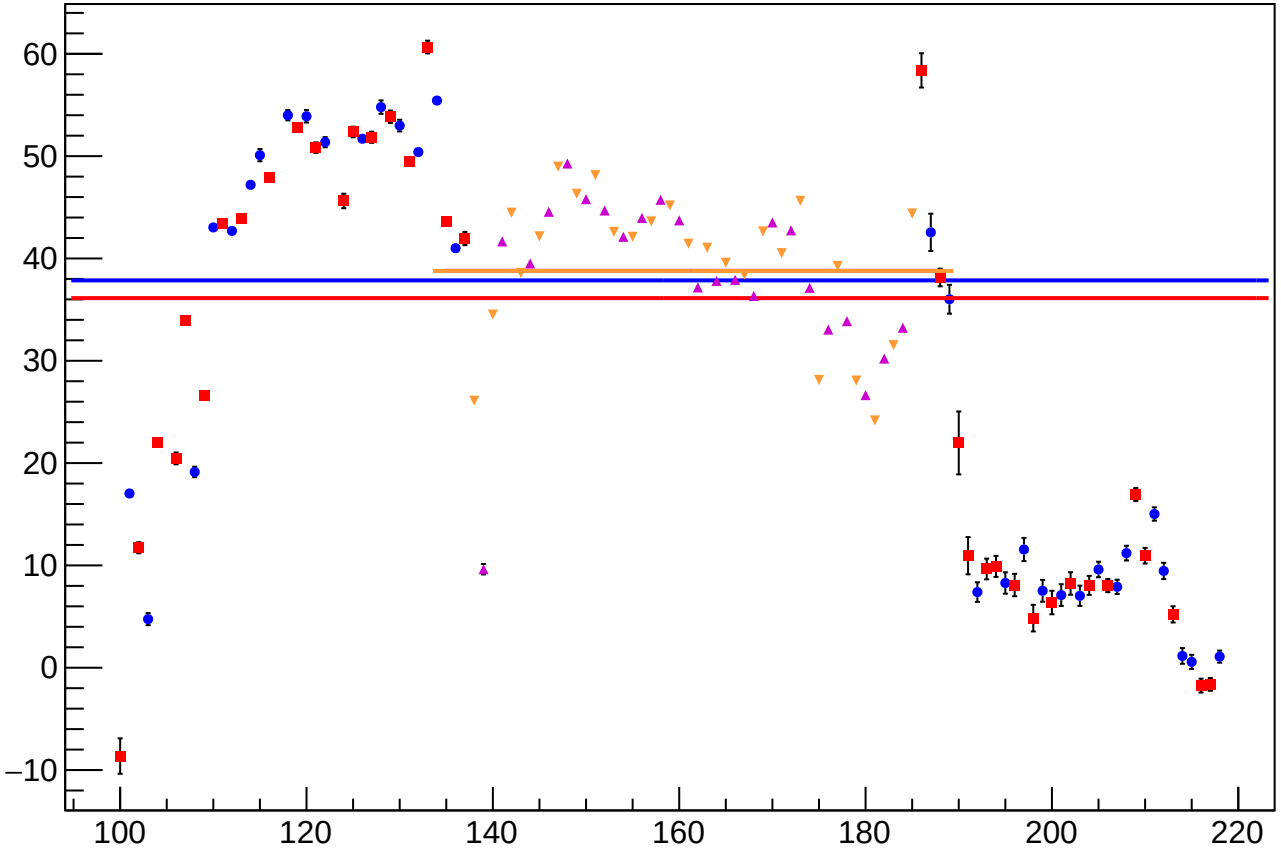
Left In: -27.176+/-0.057 χ^2/NDF:40990.1/22

+ sign -30.937+/-0.041 χ^2/NDF: 79096.6/56

All: -31.190+/-0.029 χ^2/NDF: 150984.5/115

- sign -31.433+/-0.040 χ^2/NDF: 71814.1/58

reg_asym_sam8_diff_bpm4eY_slope vs Slug



Right In: 37.857+/-0.079 χ^2/NDF: 39182.7/31

Left Out: 38.777+/-0.048 χ^2/NDF:21070.6/24

Right Out: 36.124+/-0.074 χ^2/NDF: 37337.0/35

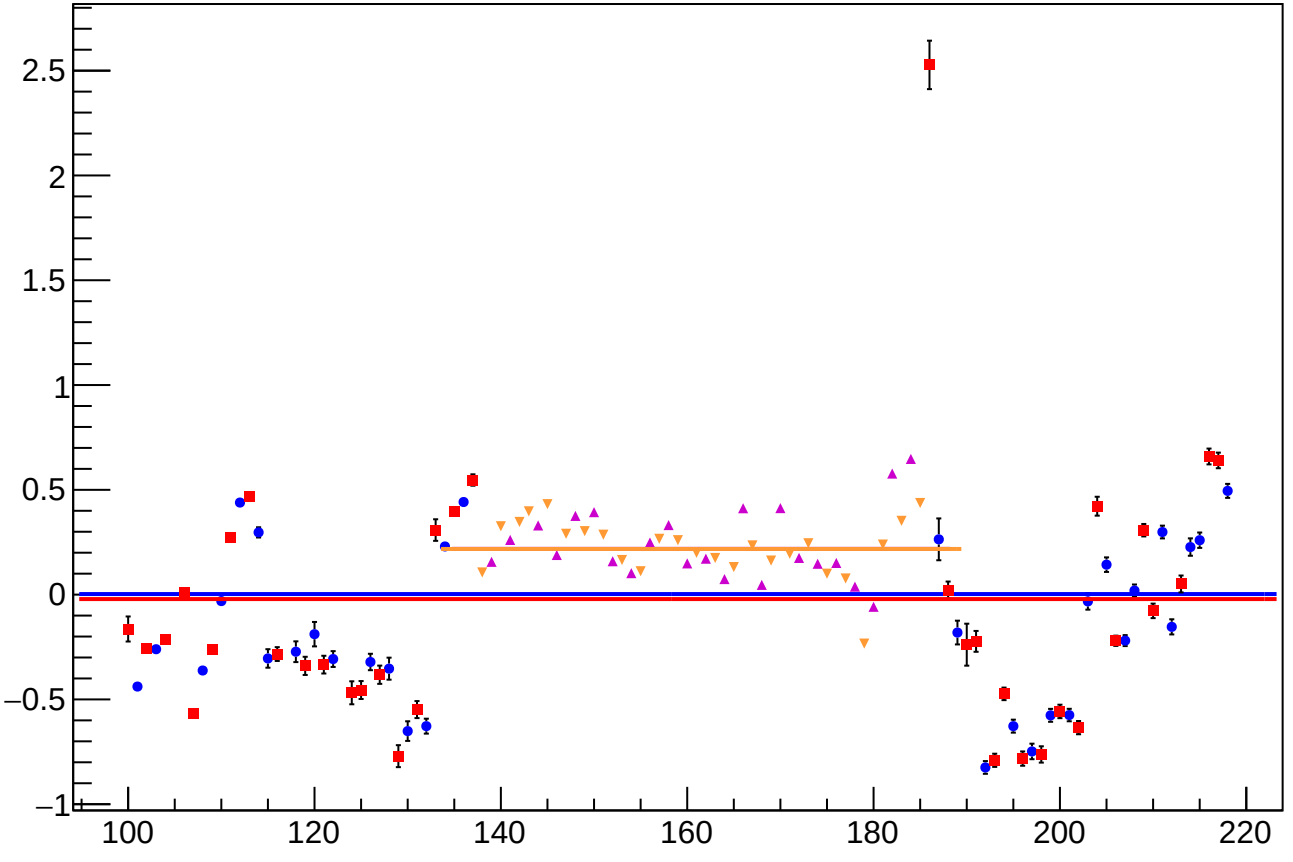
Left In: 38.791+/-0.050 χ^2/NDF:16240.7/22

+ sign 38.531+/-0.041 χ^2/NDF: 60353.1/56

All: 38.242+/-0.029 χ^2/NDF: 114930.1/115

- sign 37.944+/-0.041 χ^2/NDF: 54475.3/58

reg_asym_sam8_diff_bpm12X_slope vs Slug



Right In: 0.003+/-0.004 χ^2/NDF: 8473.0/31

Left Out: 0.218+/-0.002 χ^2/NDF:4075.0/24

Right Out: -0.021+/-0.004 χ^2/NDF: 10284.6/35

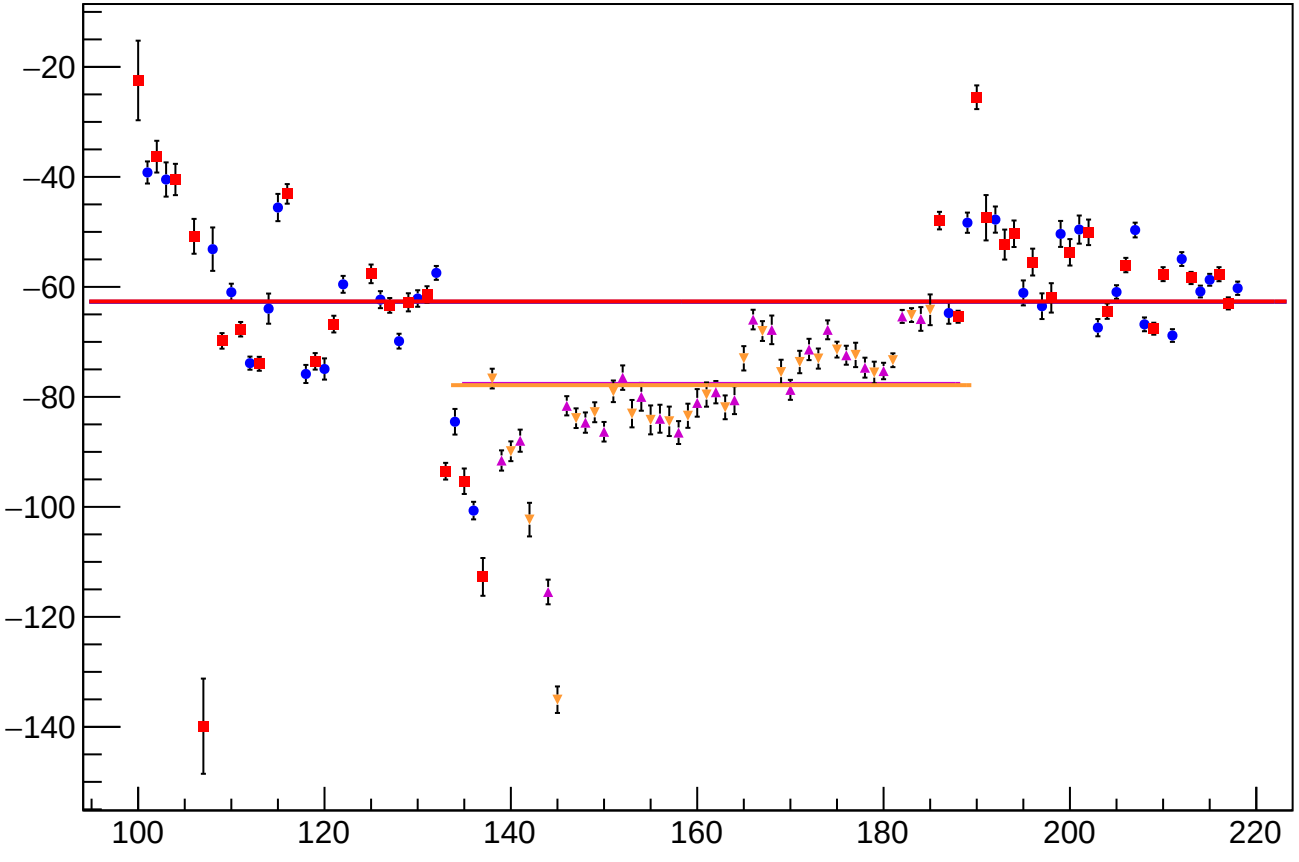
Left In: 0.218+/-0.002 χ^2/NDF:5312.2/22

+ sign 0.174+/-0.002 χ^2/NDF: 14617.0/56

All: 0.167+/-0.001 χ^2/NDF: 33055.5/115

- sign 0.160+/-0.002 χ^2/NDF: 18413.4/58

reg_asym_usl_diff_bpm1X_slope vs Slug



Right In: -62.707+/-0.277 χ^2/NDF: 1497.5/31

Left Out: -77.867+/-0.394 χ^2/NDF:932.3/23

Right Out: -62.645+/-0.278 χ^2/NDF: 1990.4/34

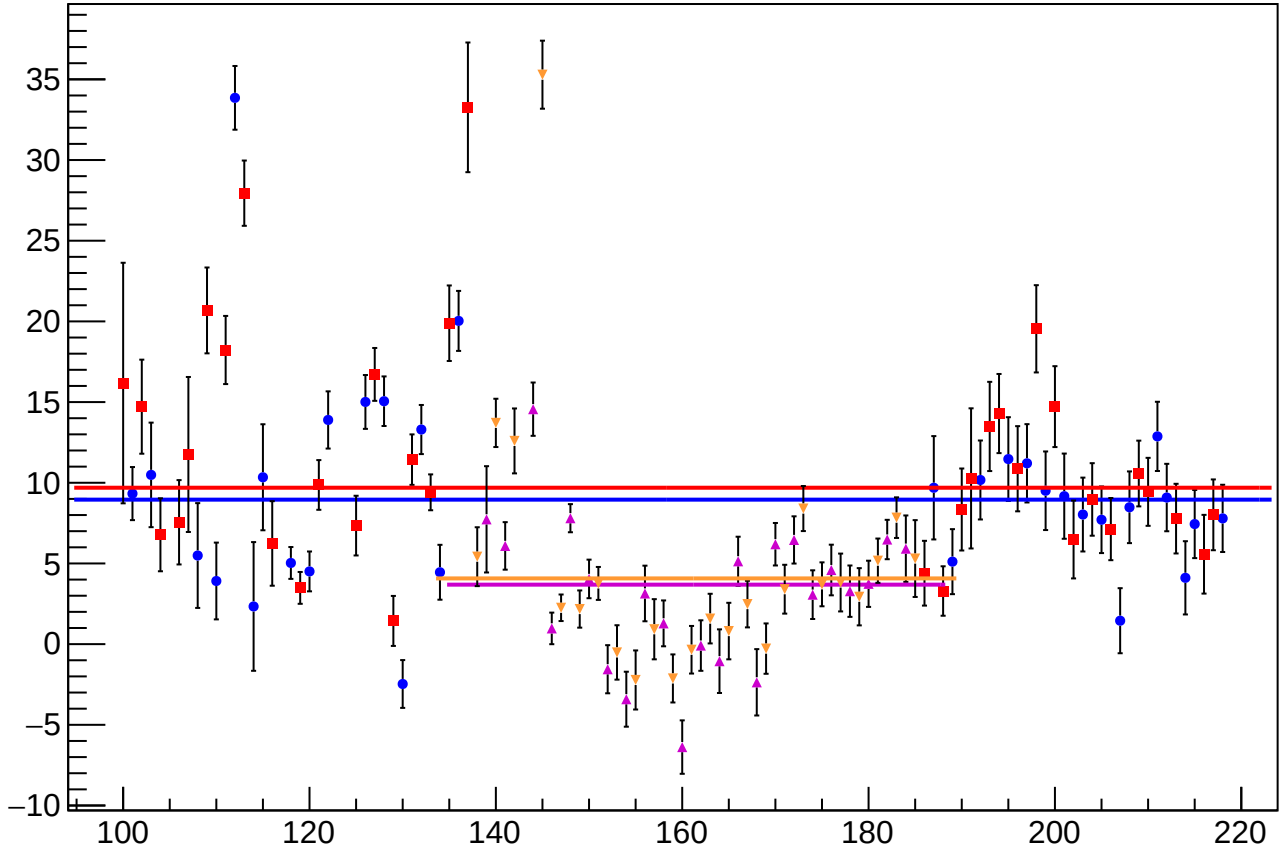
Left In: -77.643+/-0.396 χ^2/NDF:693.3/22

+ sign -67.730+/-0.227 χ^2/NDF: 3419.4/55

All: -67.655+/-0.161 χ^2/NDF: 7063.5/113

- sign -67.580+/-0.227 χ^2/NDF: 3643.9/57

reg_asym_usl_diff_bpm4aY_slope vs Slug



Right In: 8.954+/-0.342 χ^2/NDF: 372.4/31

Left Out: 4.073+/-0.297 χ^2/NDF:370.6/23

Right Out: 9.693+/-0.341 χ^2/NDF: 321.2/34

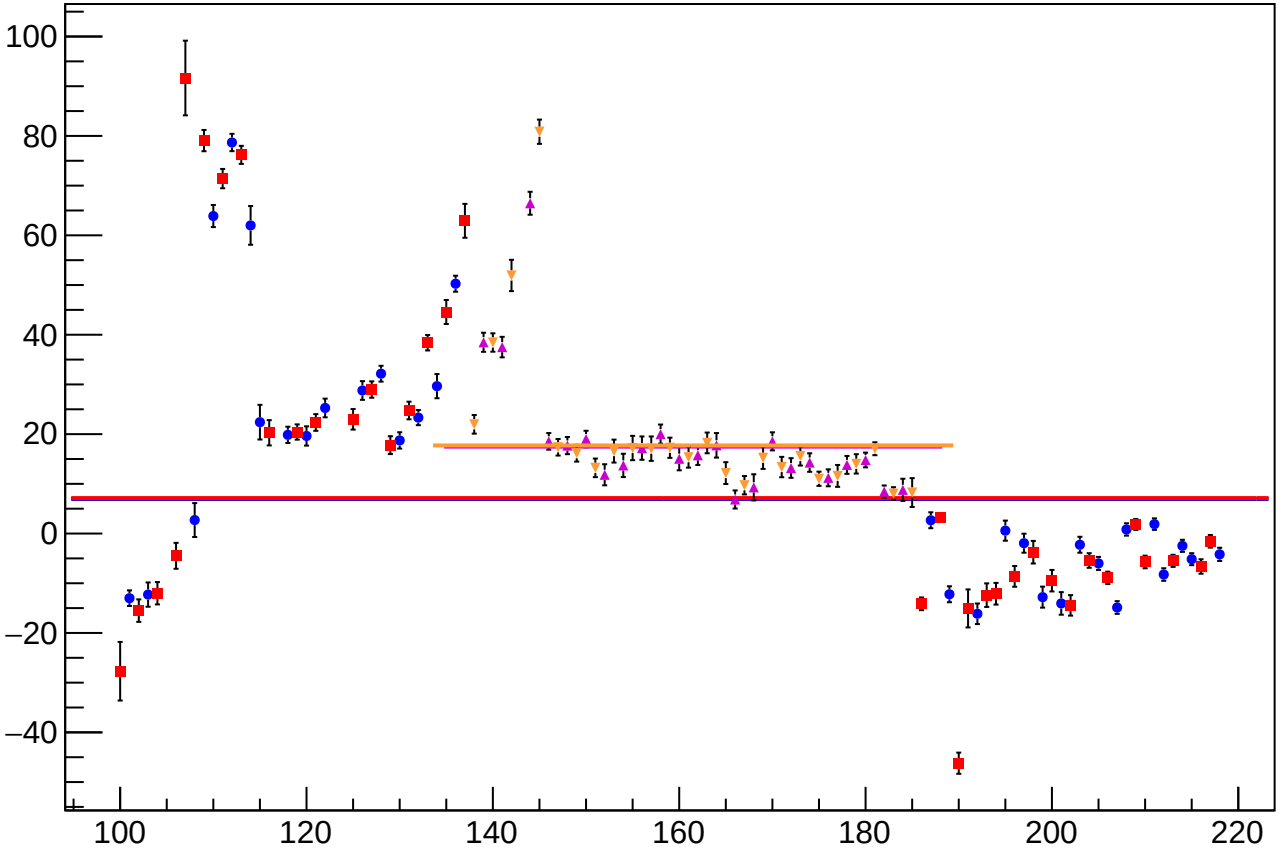
Left In: 3.686+/-0.302 χ^2/NDF:182.6/22

+ sign 6.172+/-0.224 χ^2/NDF: 859.3/55

All: 6.246+/-0.159 χ^2/NDF: 1537.2/113

- sign 6.321+/-0.226 χ^2/NDF: 677.7/57

reg_asym_usl_diff_bpm4eX_slope vs Slug



Right In: 6.958+/-0.291 χ^2/NDF: 5673.2/31

Left Out: 17.723+/-0.391 χ^2/NDF:1058.3/23

Right Out: 7.134+/-0.289 χ^2/NDF: 7447.4/34

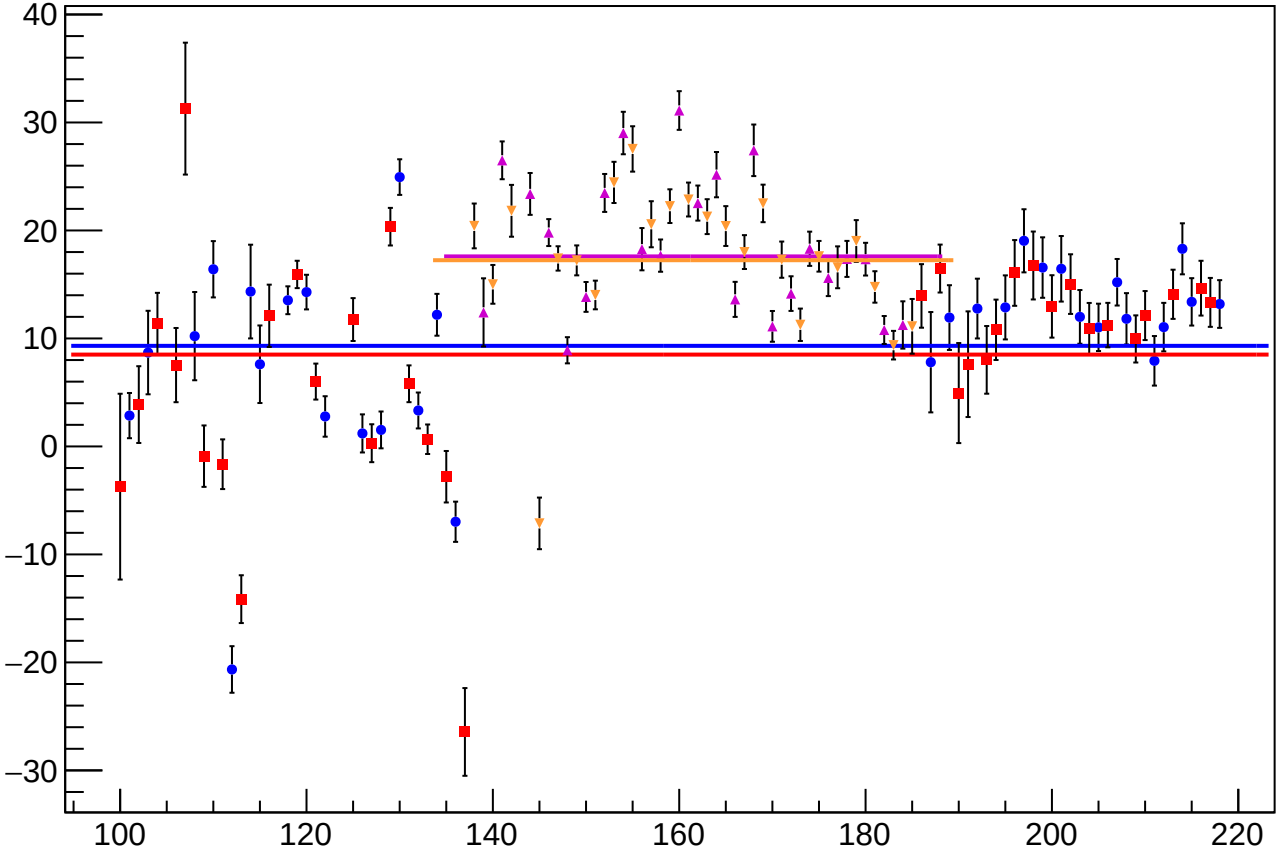
Left In: 17.491+/-0.393 χ^2/NDF:820.7/22

+ sign 10.801+/-0.234 χ^2/NDF: 7218.7/55

All: 10.786+/-0.165 χ^2/NDF: 15938.0/113

- sign 10.772+/-0.233 χ^2/NDF: 8719.3/57

reg_asym_usl_diff_bpm4eY_slope vs Slug



Right In: 9.315+/-0.390 χ^2/NDF: 527.1/31

Left Out: 17.245+/-0.338 χ^2/NDF:260.8/23

Right Out: 8.505+/-0.395 χ^2/NDF: 455.5/34

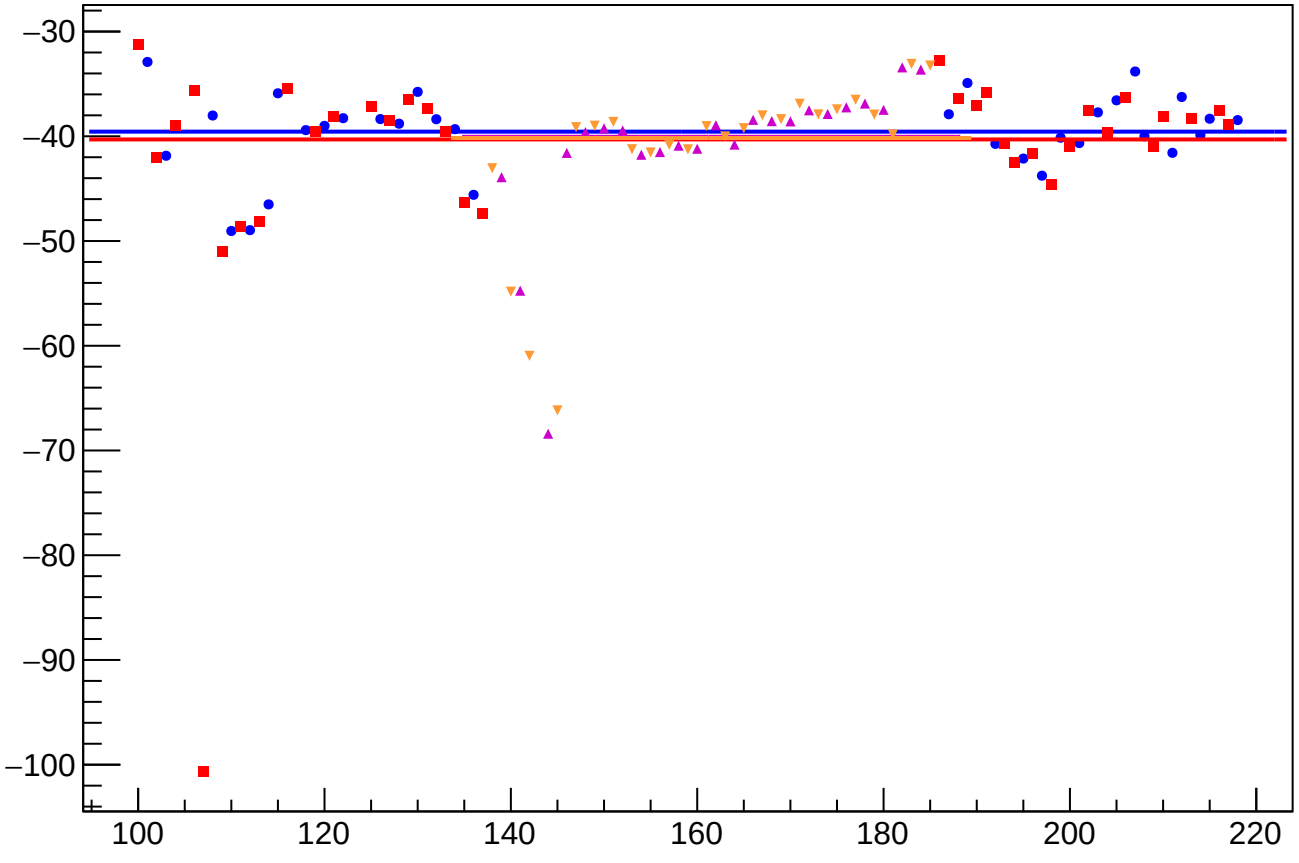
Left In: 17.597+/-0.342 χ^2/NDF:309.7/22

+ sign 13.844+/-0.256 χ^2/NDF: 1023.9/55

All: 13.769+/-0.182 χ^2/NDF: 2092.3/113

- sign 13.693+/-0.259 χ^2/NDF: 1068.2/57

reg_asym_usl_diff_bpm12X_slope vs Slug



Right In: -39.557+/-0.020 χ^2/NDF: 33930.5/31

Left Out: -40.165+/-0.015 χ^2/NDF:163335.9/23

Right Out: -40.302+/-0.020 χ^2/NDF: 73969.9/34

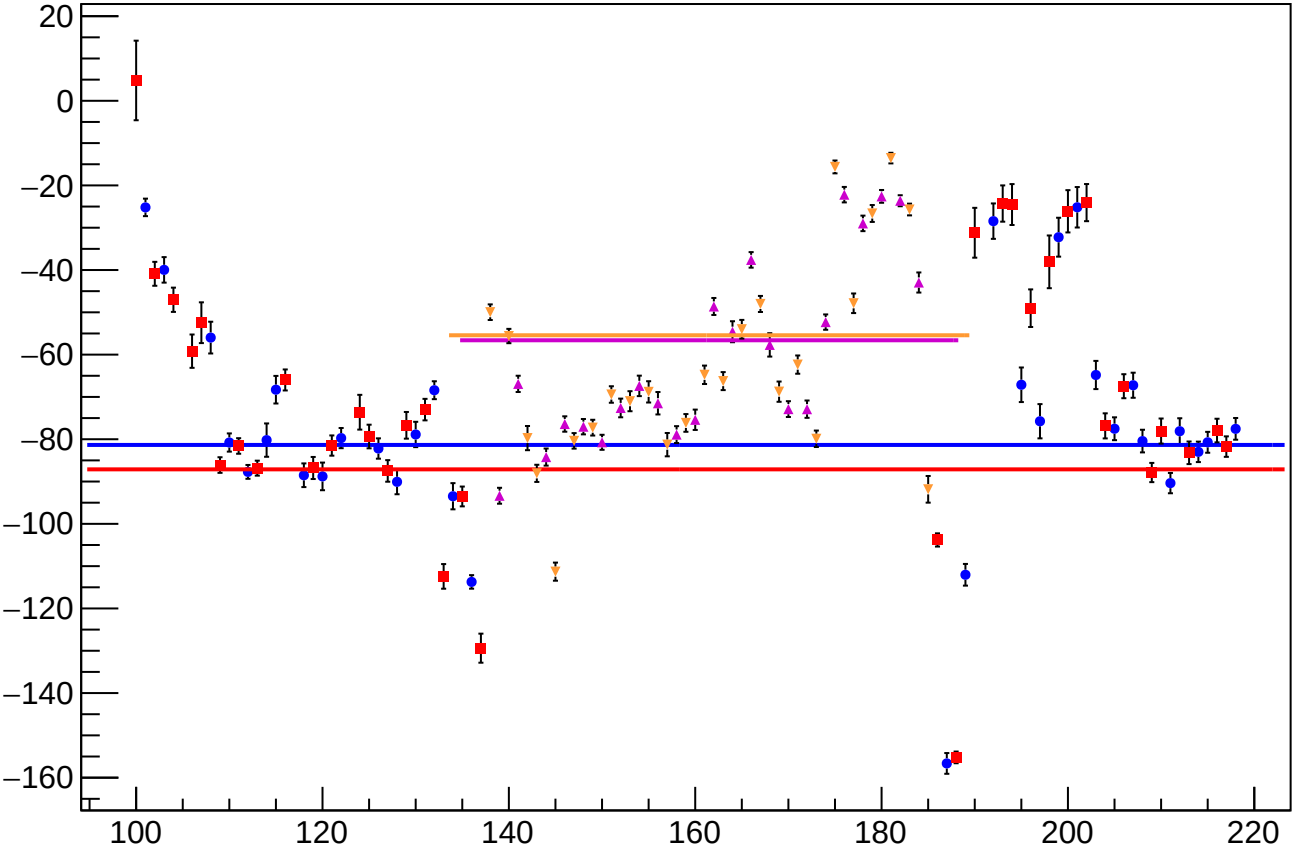
Left In: -40.050+/-0.015 χ^2/NDF:136438.5/22

+ sign -39.932+/-0.012 χ^2/NDF: 197859.9/55

All: -40.039+/-0.009 χ^2/NDF: 408526.4/113

- sign -40.146+/-0.012 χ^2/NDF: 210510.5/57

reg_asym_usr_diff_bpm1X_slope vs Slug



Right In: -81.347+/-0.471 χ^2/NDF: 3064.6/31

Left Out: -55.424+/-0.393 χ^2/NDF:4525.3/24

Right Out: -87.119+/-0.449 χ^2/NDF: 4632.3/34

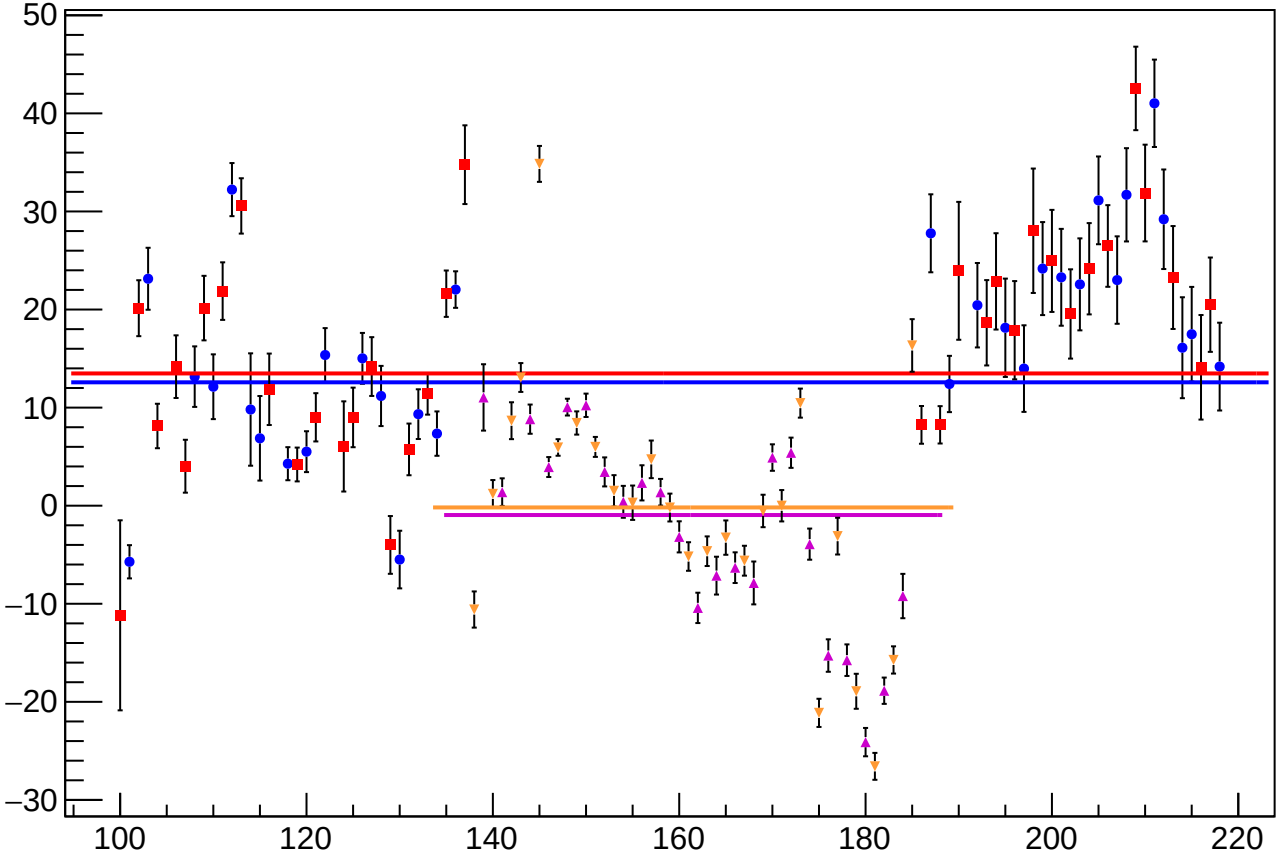
Left In: -56.609+/-0.404 χ^2/NDF:3350.3/22

+ sign -66.080+/-0.302 χ^2/NDF: 9375.8/56

All: -68.170+/-0.213 χ^2/NDF: 20004.9/114

- sign -70.239+/-0.300 χ^2/NDF: 10533.7/57

reg_asym_usr_diff_bpm4aY_slope vs Slug



Right In: 12.579+/-0.541 χ^2/NDF: 417.4/31

Left Out: -0.179+/-0.294 χ^2/NDF:1598.6/24

Right Out: 13.483+/-0.528 χ^2/NDF: 317.0/34

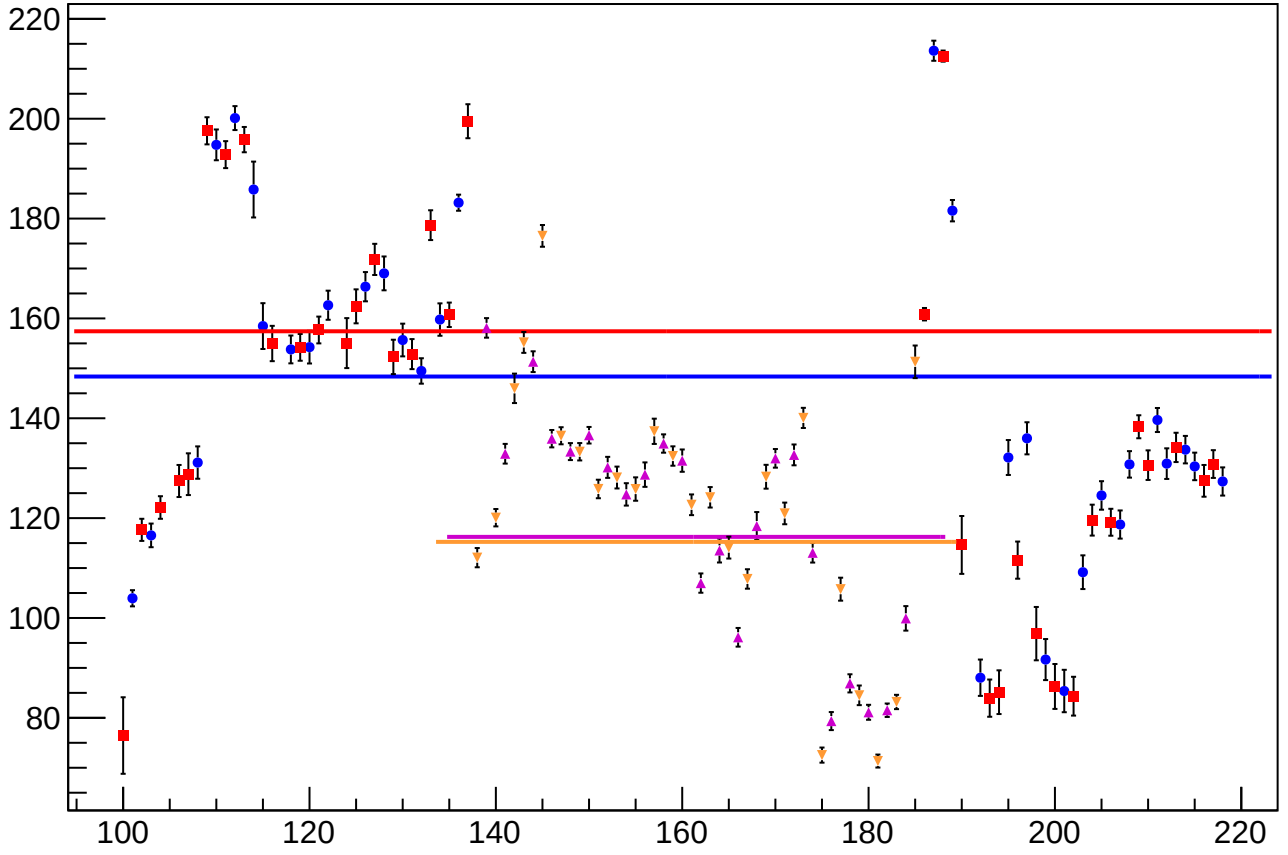
Left In: -0.952+/-0.304 χ^2/NDF:1069.6/22

+ sign 2.731+/-0.258 χ^2/NDF: 2445.2/56

All: 2.689+/-0.184 χ^2/NDF: 4393.6/114

- sign 2.646+/-0.263 χ^2/NDF: 1948.4/57

reg_asym_usr_diff_bpm4eX_slope vs Slug



Right In: 148.361+/-0.484 χ^2/NDF: 4835.0/31

Left Out: 115.243+/-0.390 χ^2/NDF:4836.5/24

Right Out: 157.424+/-0.453 χ^2/NDF: 6483.7/34

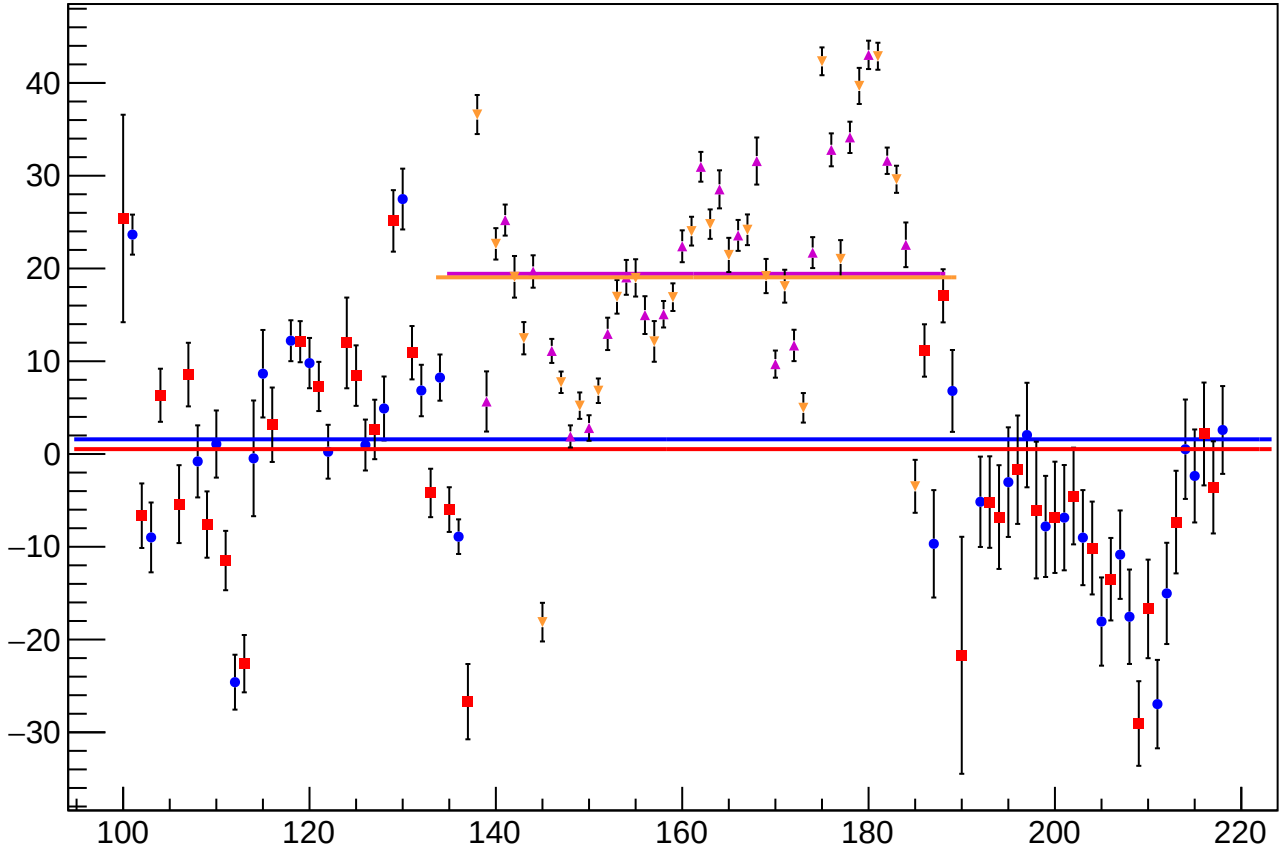
Left In: 116.246+/-0.399 χ^2/NDF:3637.3/22

+ sign 128.284+/-0.304 χ^2/NDF: 12506.1/56

All: 131.299+/-0.213 χ^2/NDF: 27468.7/114

- sign 134.229+/-0.300 χ^2/NDF: 14768.5/57

reg_asym_usr_diff_bpm4eY_slope vs Slug



Right In: 1.584+/-0.624 χ^2/NDF: 432.9/31

Left Out: 19.046+/-0.336 χ^2/NDF:1545.8/24

Right Out: 0.526+/-0.622 χ^2/NDF: 392.6/34

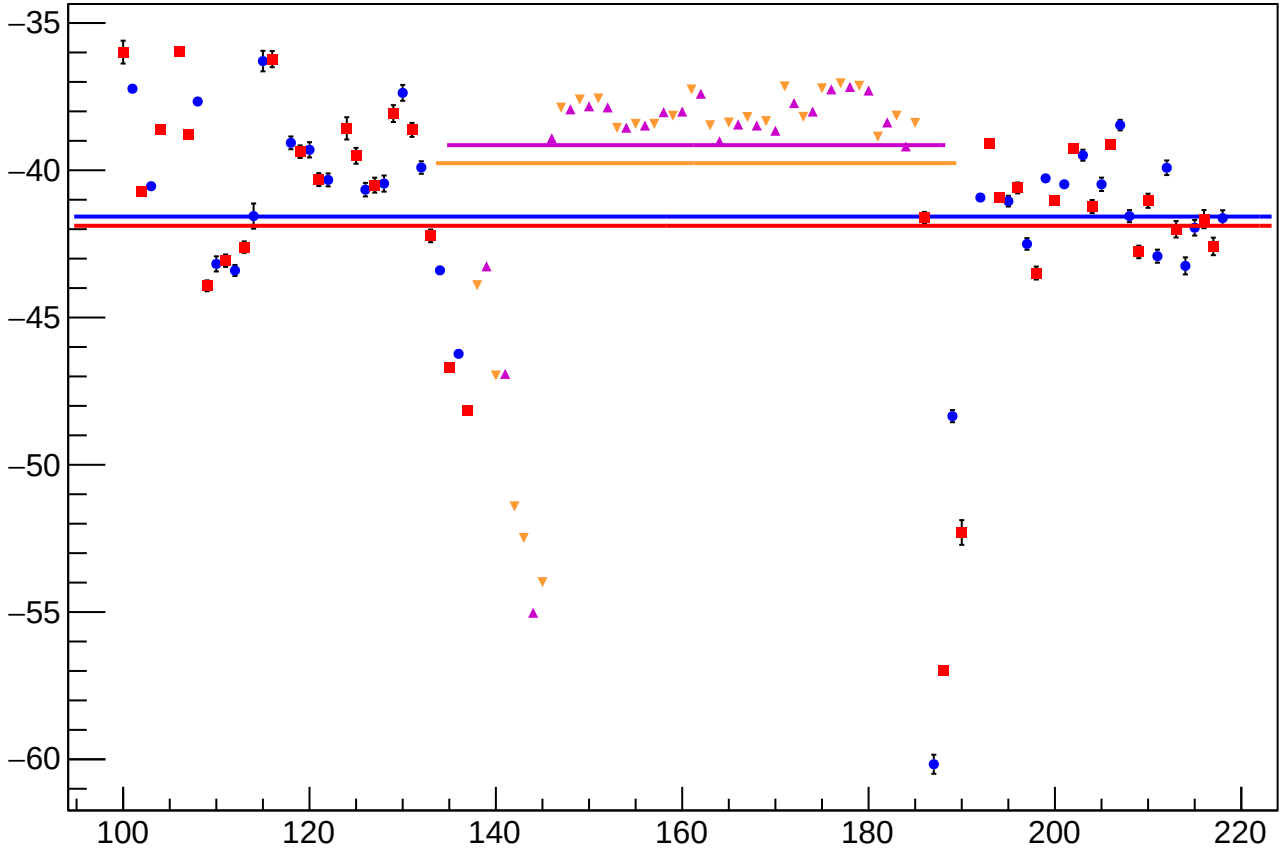
Left In: 19.425+/-0.346 χ^2/NDF:1077.2/22

+ sign 15.115+/-0.296 χ^2/NDF: 2586.3/56

All: 15.040+/-0.211 χ^2/NDF: 4762.0/114

- sign 14.962+/-0.302 χ^2/NDF: 2175.6/57

reg_asym_usr_diff_bpm12X_slope vs Slug



Right In: -41.572+/-0.030 χ^2/NDF: 13007.5/31

Left Out: -39.758+/-0.015 χ^2/NDF:81865.0/24

Right Out: -41.885+/-0.031 χ^2/NDF: 19768.6/34

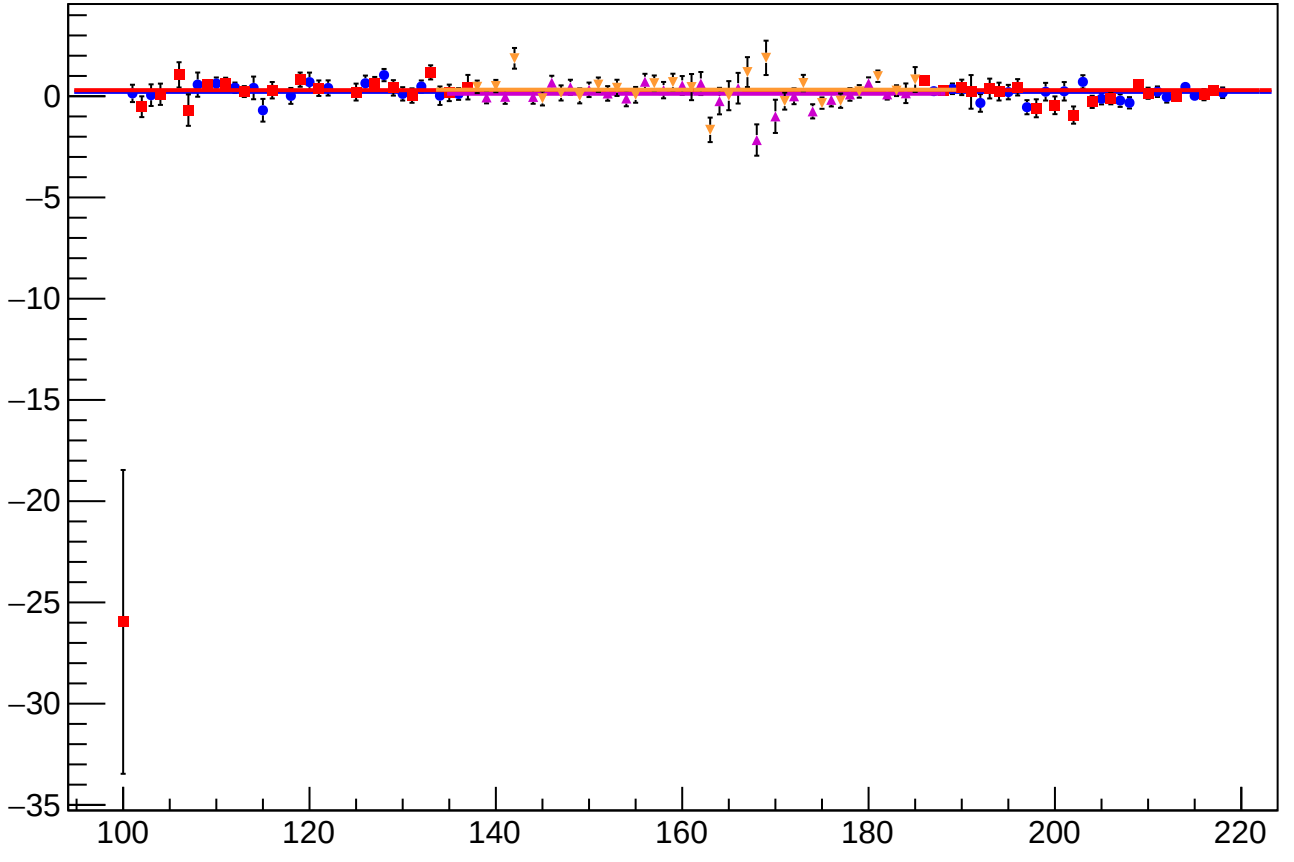
Left In: -39.147+/-0.016 χ^2/NDF:46907.5/22

+ sign -40.129+/-0.014 χ^2/NDF: 97694.3/56

All: -39.920+/-0.010 χ^2/NDF: 171110.8/114

- sign -39.706+/-0.014 χ^2/NDF: 72949.8/57

reg_asym_dsl_diff_bpm1X_slope vs Slug



Right In: 0.214+/-0.057 χ^2/NDF: 36.1/31

Left Out: 0.321+/-0.078 χ^2/NDF:46.9/23

Right Out: 0.299+/-0.053 χ^2/NDF: 64.3/34

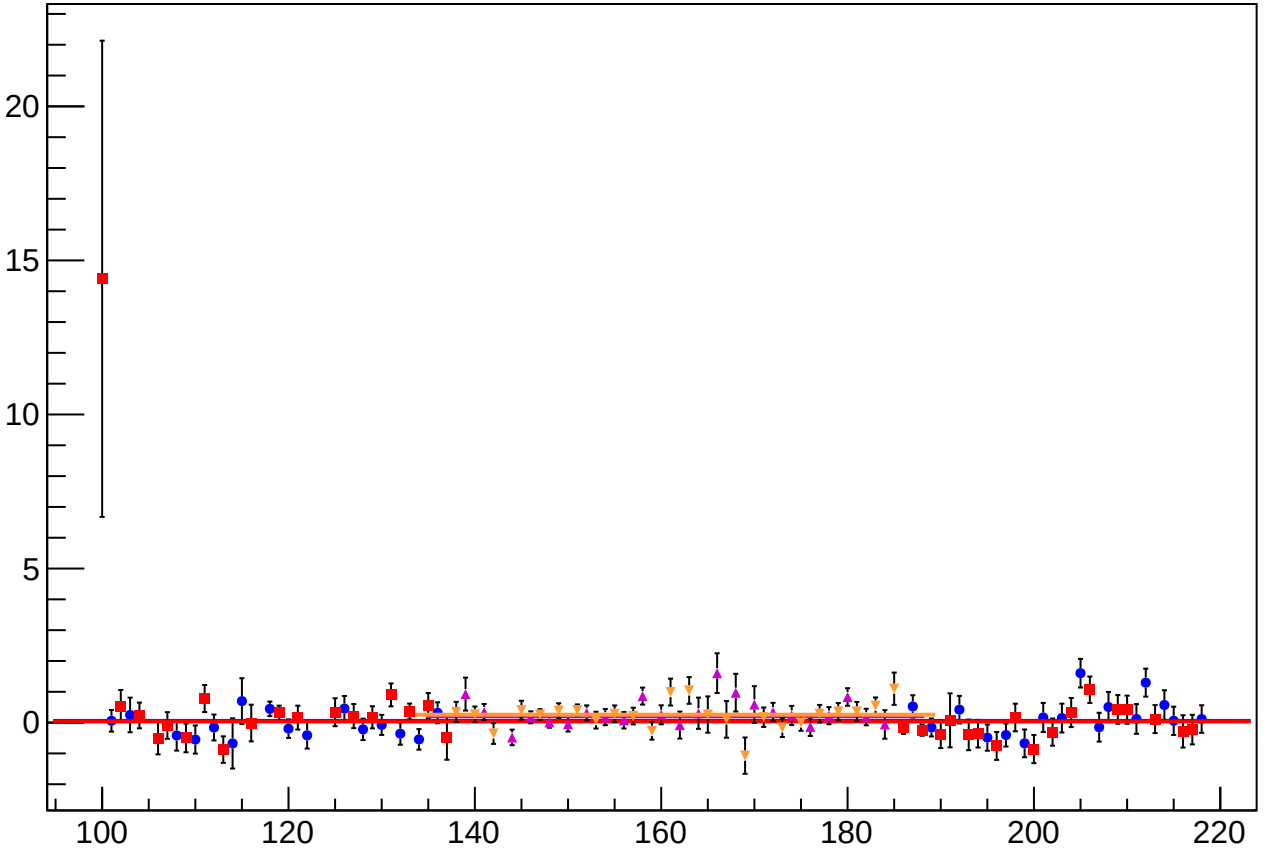
Left In: 0.120+/-0.079 χ^2/NDF:30.0/22

+ sign 0.251+/-0.046 χ^2/NDF: 84.3/55

All: 0.247+/-0.032 χ^2/NDF: 182.0/113

- sign 0.244+/-0.044 χ^2/NDF: 97.7/57

reg_asym_dsl_diff_bpm4aY_slope vs Slug



Right In: 0.055+/-0.071 χ^2/NDF: 45.6/31

Left Out: 0.257+/-0.059 χ^2/NDF:26.5/23

Right Out: 0.039+/-0.066 χ^2/NDF: 47.2/34

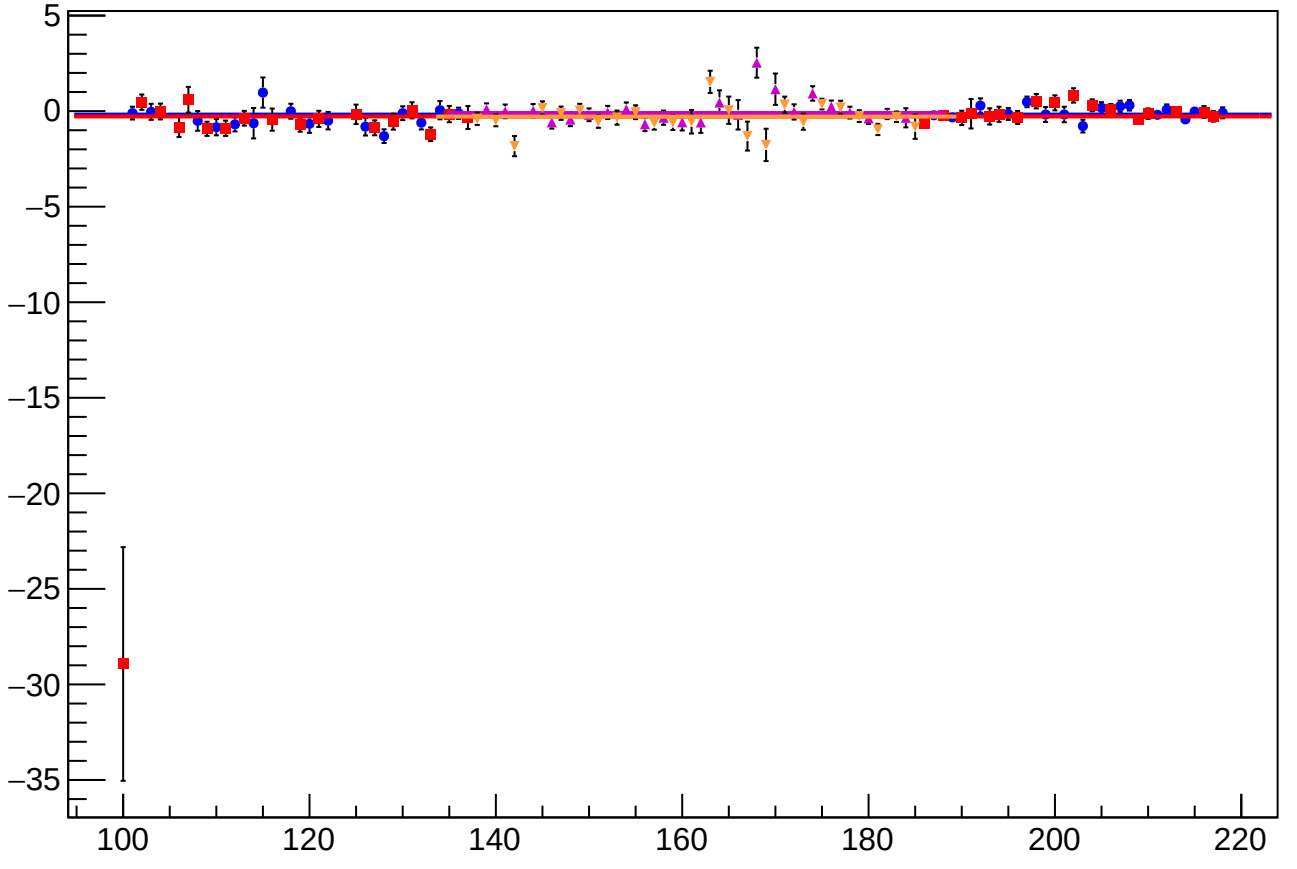
Left In: 0.207+/-0.060 χ^2/NDF:31.9/22

+ sign 0.173+/-0.045 χ^2/NDF: 76.9/55

All: 0.151+/-0.032 χ^2/NDF: 160.0/113

- sign 0.130+/-0.045 χ^2/NDF: 82.6/57

reg_asym_dsl_diff_bpm4eX_slope vs Slug



Right In: -0.182+/-0.057 χ^2/NDF: 42.4/31

Left Out: -0.286+/-0.077 χ^2/NDF:45.0/23

Right Out: -0.280+/-0.051 χ^2/NDF: 77.4/34

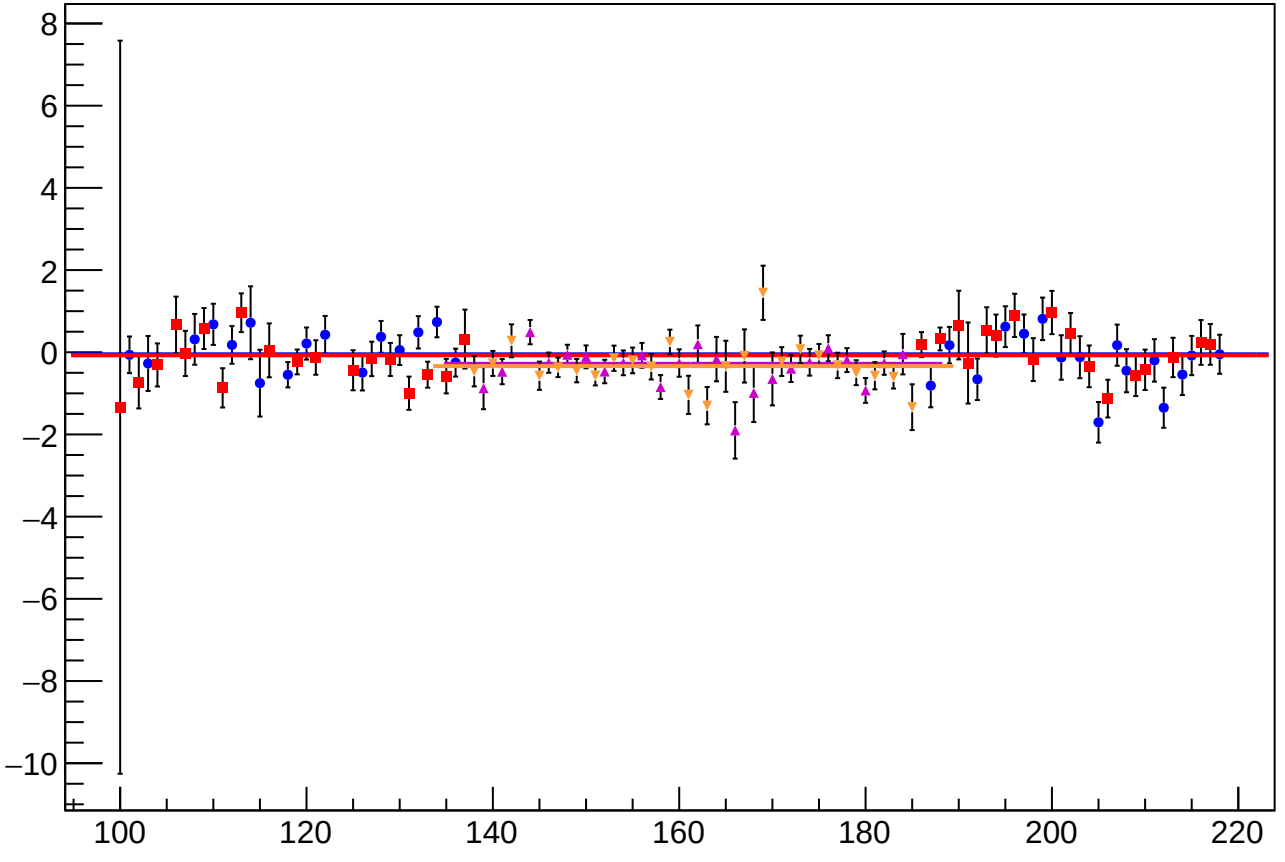
Left In: -0.100+/-0.078 χ^2/NDF:33.2/22

+ sign -0.219+/-0.046 χ^2/NDF: 88.7/55

All: -0.223+/-0.031 χ^2/NDF: 203.0/113

- sign -0.226+/-0.043 χ^2/NDF: 114.3/57

reg_asym_dsl_diff_bpm4eY_slope vs Slug



Right In: -0.050+/-0.082 χ^2/NDF: 47.2/31

Left Out: -0.337+/-0.068 χ^2/NDF:30.1/23

Right Out: -0.074+/-0.079 χ^2/NDF: 43.7/34

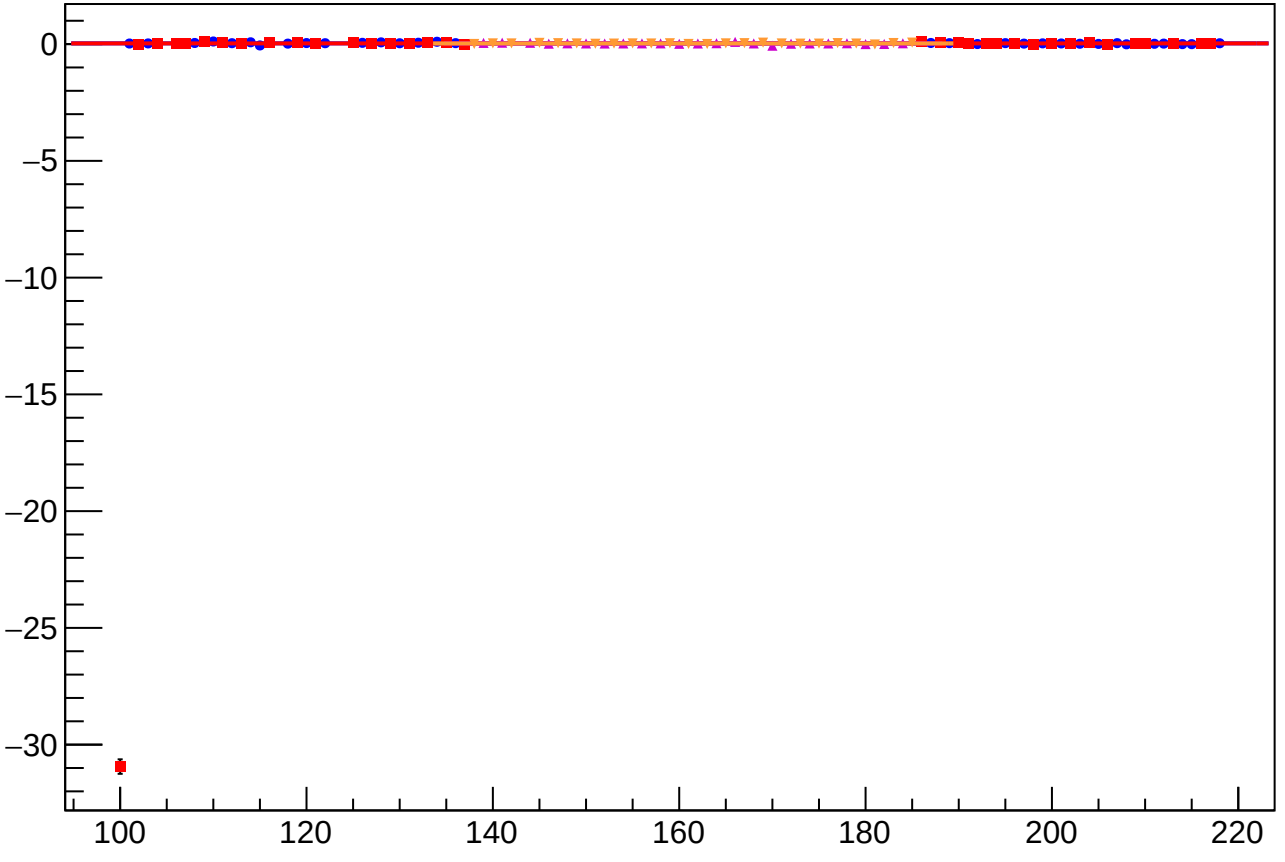
Left In: -0.282+/-0.069 χ^2/NDF:29.0/22

+ sign -0.219+/-0.052 χ^2/NDF: 84.6/55

All: -0.206+/-0.037 χ^2/NDF: 161.4/113

- sign -0.192+/-0.052 χ^2/NDF: 76.6/57

reg_asym_dsl_diff_bpm12X_slope vs Slug



Right In: 0.033+/-0.004 χ^2/NDF: 40.6/31

Left Out: 0.028+/-0.003 χ^2/NDF:27.6/23

Right Out: 0.030+/-0.004 χ^2/NDF: 10056.0/34

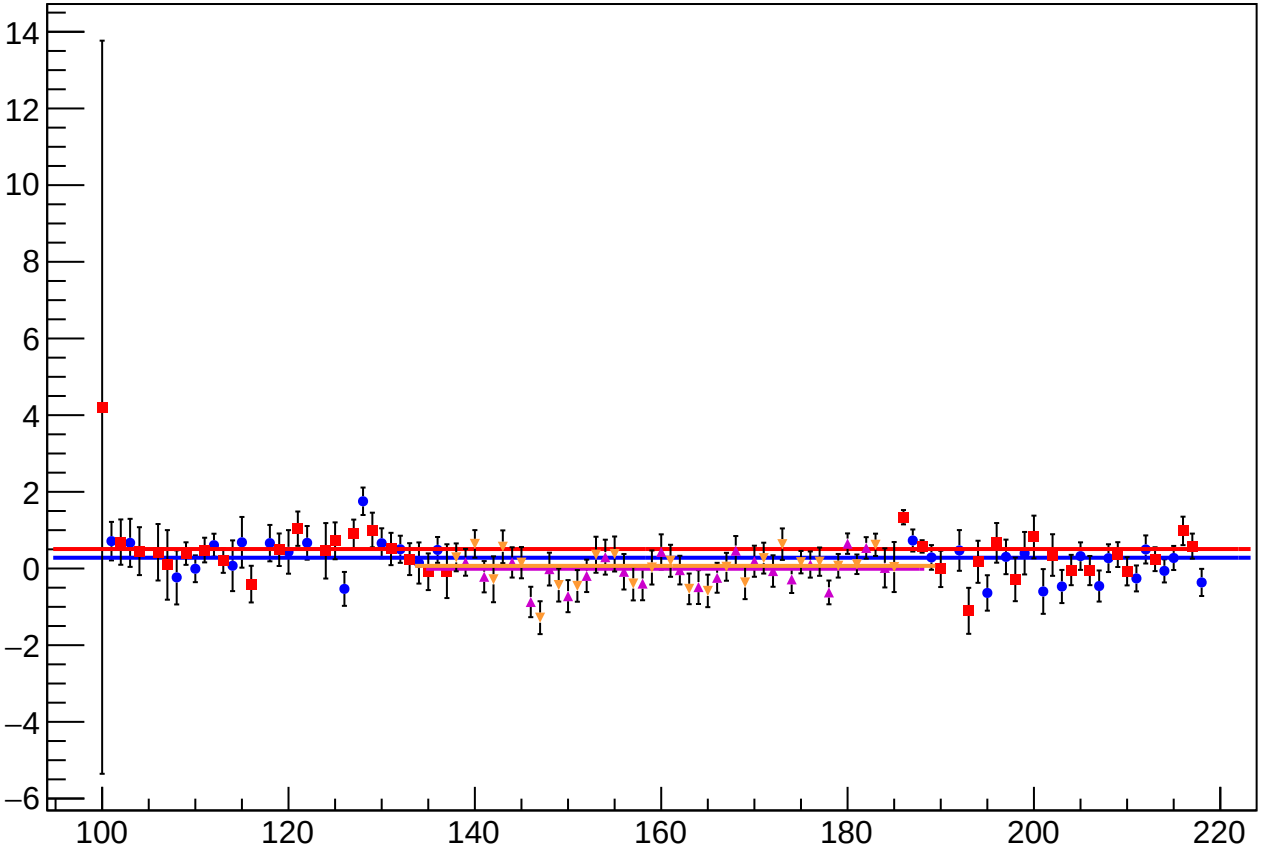
Left In: 0.029+/-0.003 χ^2/NDF:38.9/22

+ sign 0.030+/-0.002 χ^2/NDF: 69.1/55

All: 0.030+/-0.002 χ^2/NDF: 10164.0/113

- sign 0.030+/-0.002 χ^2/NDF: 10094.9/57

reg_asym_dsr_diff_bpm1X_slope vs Slug



Right In: 0.281+/-0.071 χ^2/NDF: 50.2/31

Left Out: 0.069+/-0.077 χ^2/NDF:31.1/24

Right Out: 0.508+/-0.065 χ^2/NDF: 52.0/34

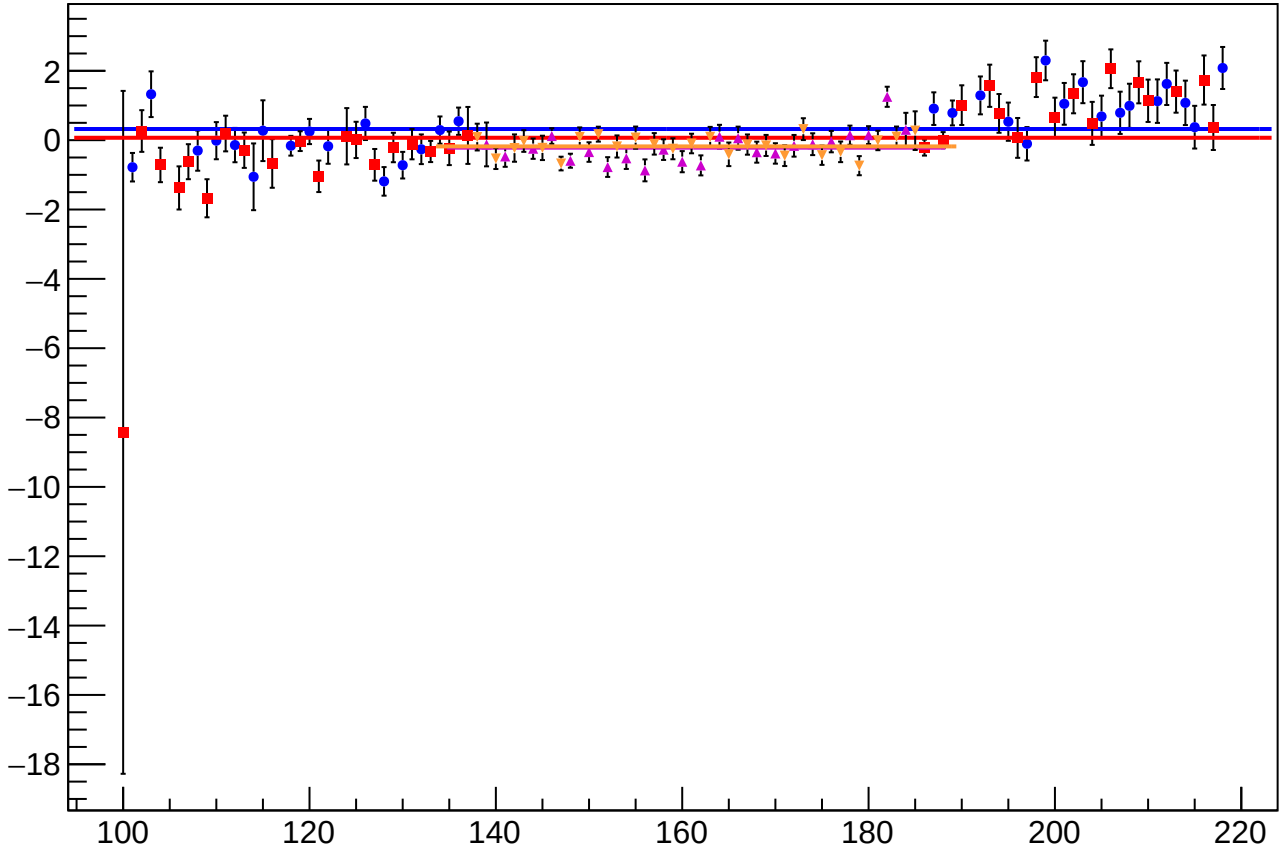
Left In: -0.006+/-0.079 χ^2/NDF:28.5/22

+ sign 0.184+/-0.052 χ^2/NDF: 85.5/56

All: 0.246+/-0.036 χ^2/NDF: 193.9/114

- sign 0.303+/-0.050 χ^2/NDF: 105.7/57

reg_asym_dsr_diff_bpm4aY_slope vs Slug



Right In: 0.322+/-0.087 χ^2/NDF: 84.8/31

Left Out: -0.180+/-0.059 χ^2/NDF:24.7/24

Right Out: 0.069+/-0.080 χ^2/NDF: 95.1/34

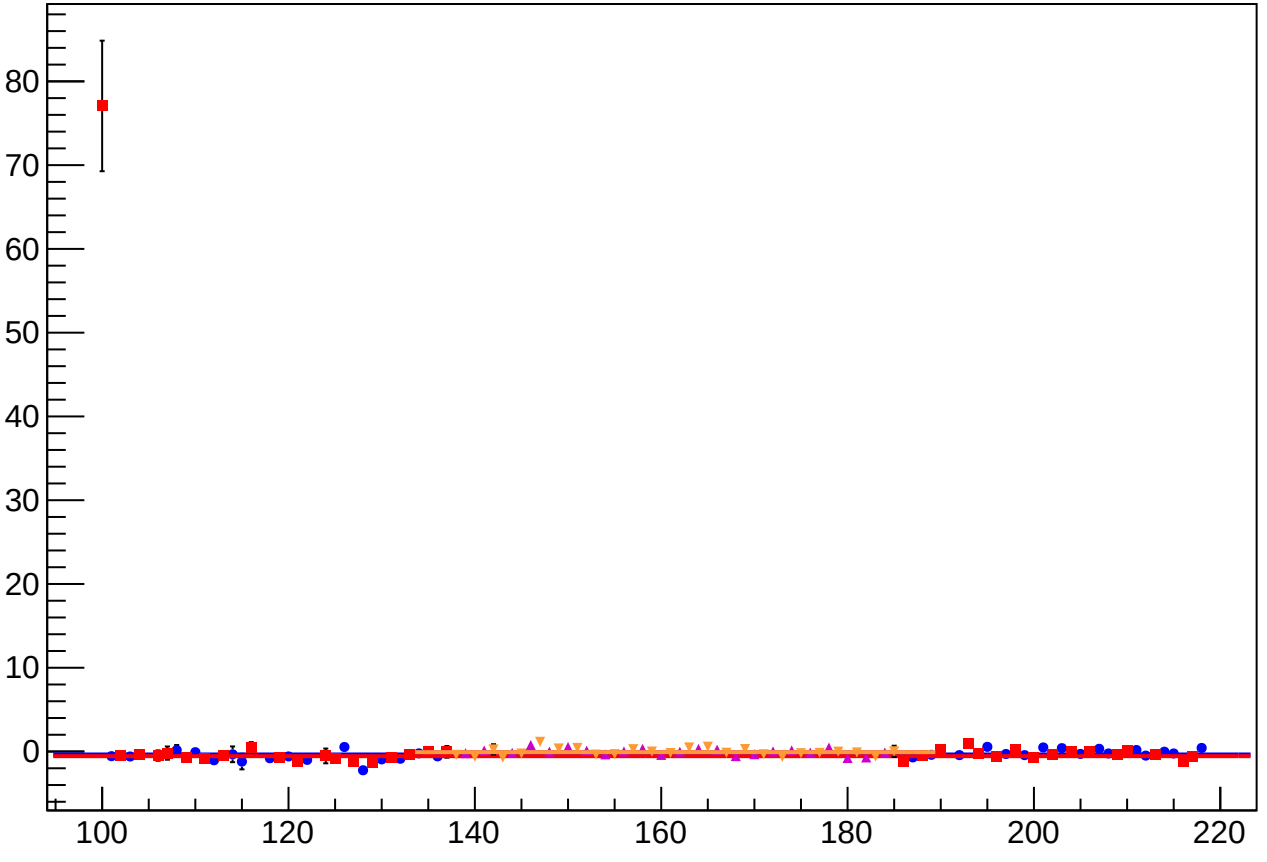
Left In: -0.216+/-0.062 χ^2/NDF:53.6/22

+ sign -0.021+/-0.049 χ^2/NDF: 132.4/56

All: -0.065+/-0.034 χ^2/NDF: 290.7/114

- sign -0.109+/-0.049 χ^2/NDF: 156.7/57

reg_asym_dsr_diff_bpm4eX_slope vs Slug



Right In: -0.354+/-0.072 χ^2/NDF: 57.6/31

Left Out: -0.077+/-0.077 χ^2/NDF:30.0/24

Right Out: -0.556+/-0.063 χ^2/NDF: 151.5/34

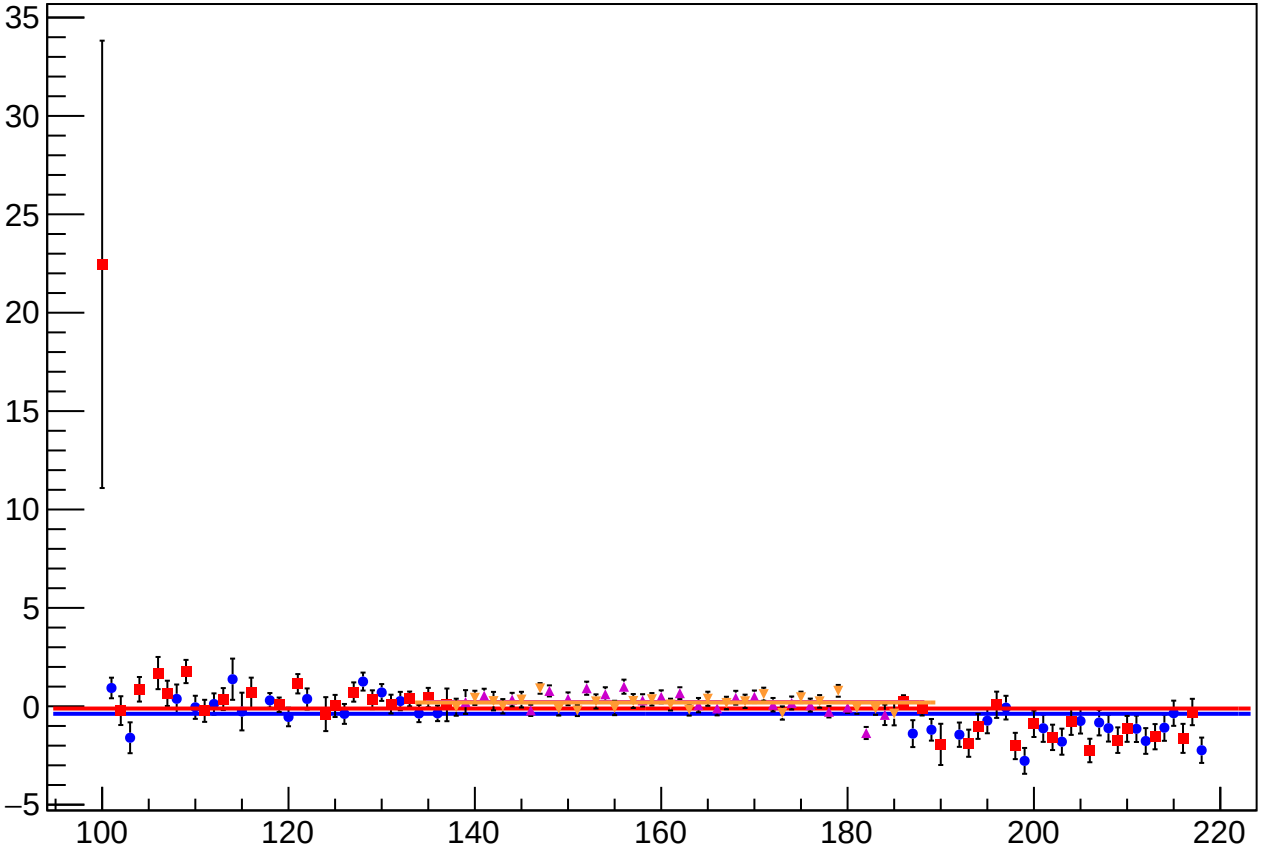
Left In: -0.075+/-0.079 χ^2/NDF:28.3/22

+ sign -0.224+/-0.053 χ^2/NDF: 94.5/56

All: -0.301+/-0.036 χ^2/NDF: 301.1/114

- sign -0.369+/-0.049 χ^2/NDF: 202.6/57

reg_asym_dsr_diff_bpm4eY_slope vs Slug



Right In: -0.382+/-0.100 χ^2/NDF: 84.4/31

Left Out: 0.193+/-0.067 χ^2/NDF:25.9/24

Right Out: -0.114+/-0.096 χ^2/NDF: 97.7/34

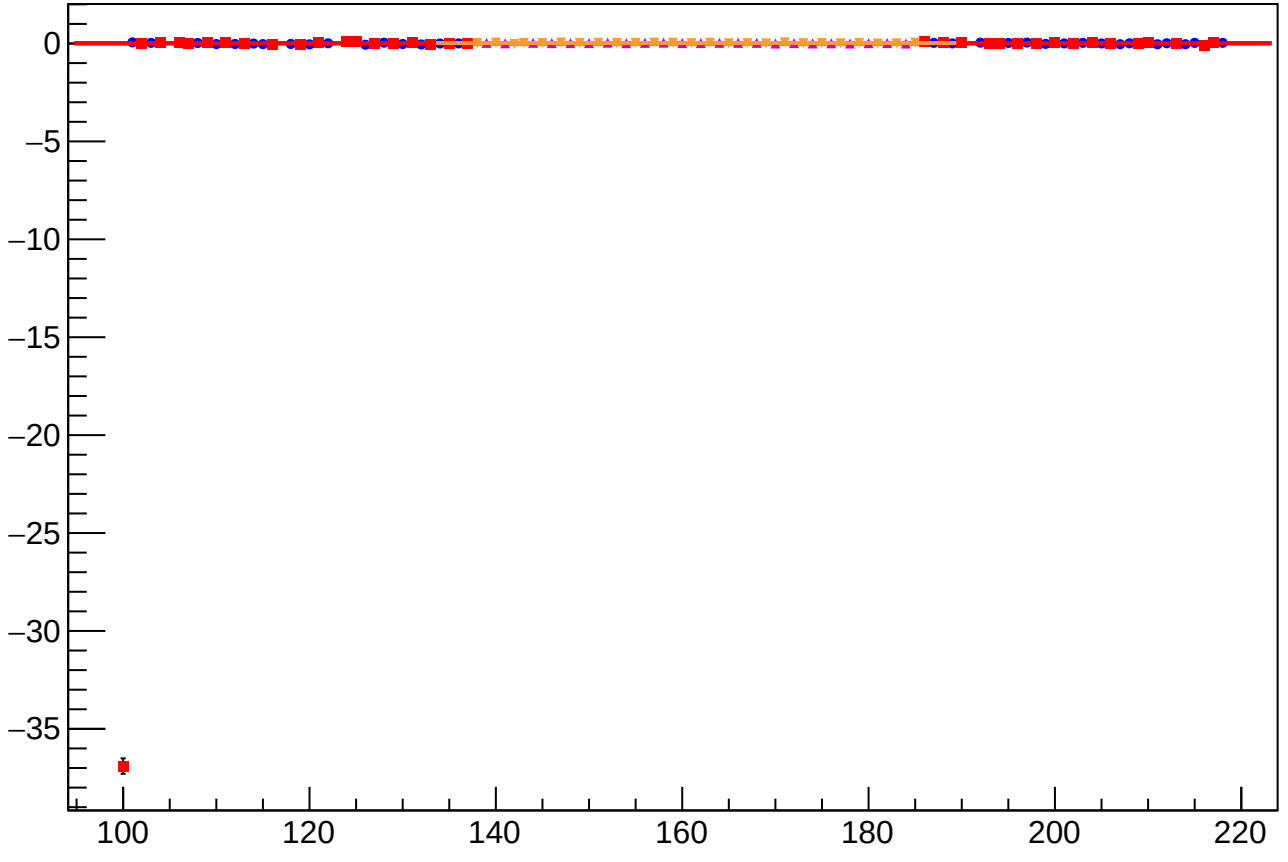
Left In: 0.215+/-0.069 χ^2/NDF:55.1/22

+ sign 0.016+/-0.056 χ^2/NDF: 133.0/56

All: 0.059+/-0.039 χ^2/NDF: 294.8/114

- sign 0.102+/-0.056 χ^2/NDF: 160.6/57

reg_asym_dsr_diff_bpm12X_slope vs Slug



Right In: 0.010+/-0.005 χ^2/NDF: 37.3/31

Left Out: 0.024+/-0.003 χ^2/NDF:30.2/24

Right Out: 0.013+/-0.005 χ^2/NDF: 8793.8/34

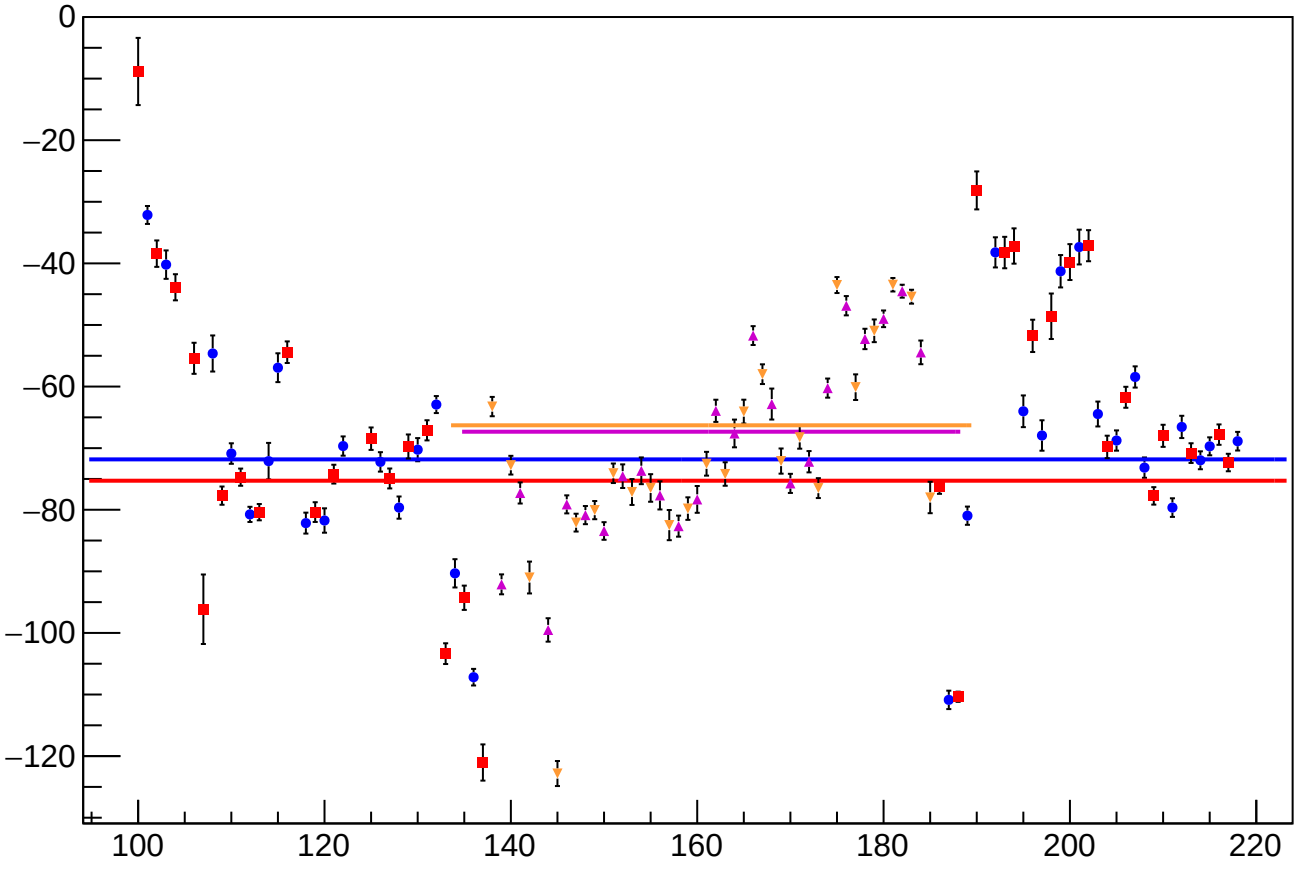
Left In: 0.024+/-0.003 χ^2/NDF:18.0/22

+ sign 0.020+/-0.003 χ^2/NDF: 73.8/56

All: 0.020+/-0.002 χ^2/NDF: 8889.5/114

- sign 0.021+/-0.003 χ^2/NDF: 8815.6/57

reg_asym_us_avg_diff_bpm1X_slope vs Slug



Right In: -71.823+/-0.309 χ^2/NDF: 3260.1/31

Left Out: -66.289+/-0.344 χ^2/NDF:2550.4/23

Right Out: -75.286+/-0.298 χ^2/NDF: 4621.6/33

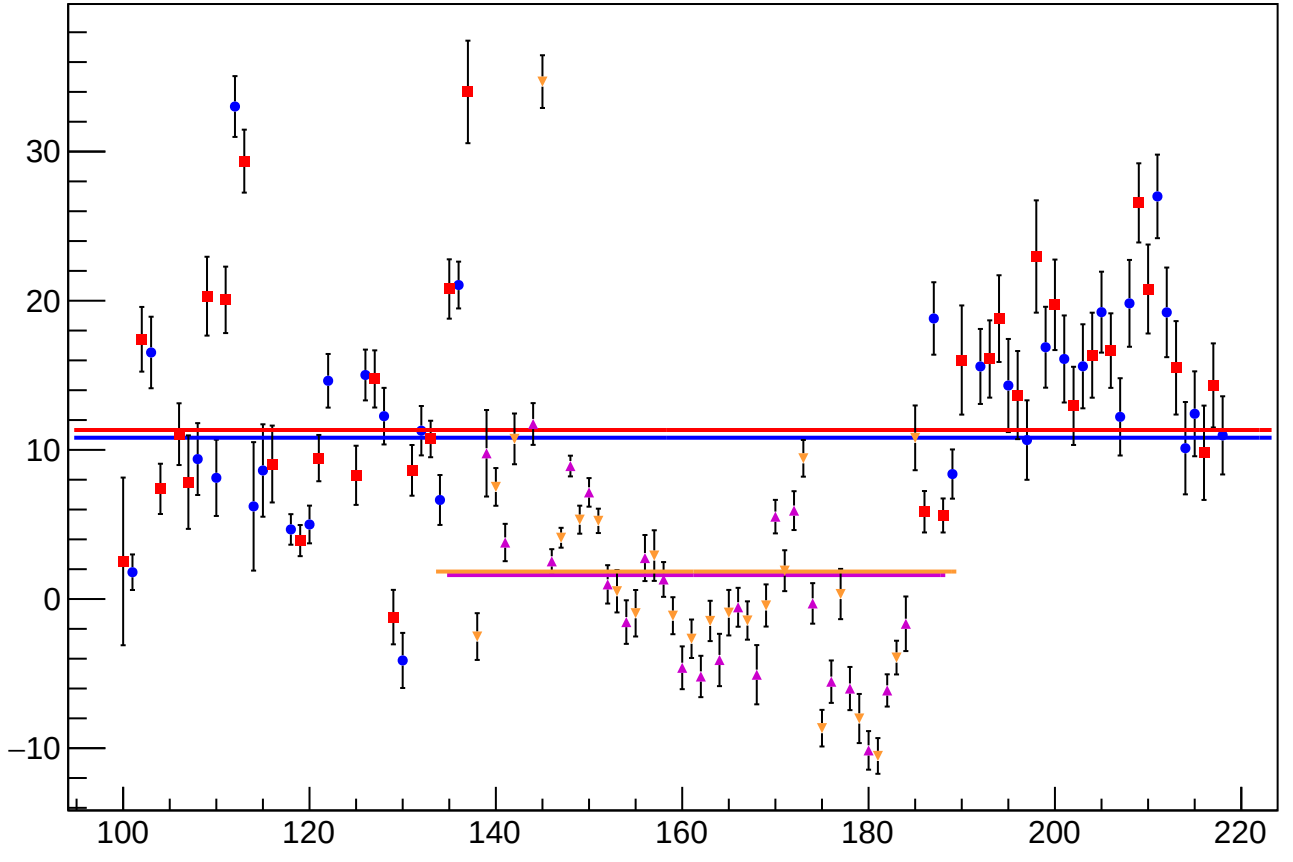
Left In: -67.331+/-0.345 χ^2/NDF:2102.6/22

+ sign -69.348+/-0.230 χ^2/NDF: 5953.7/55

All: -70.639+/-0.161 χ^2/NDF: 13043.9/112

- sign -71.883+/-0.226 χ^2/NDF: 7028.3/56

reg_asym_us_avg_diff_bpm4aY_slope vs Slug



Right In: 10.815+/-0.357 χ^2/NDF: 457.3/31

Left Out: 1.842+/-0.254 χ^2/NDF:781.5/23

Right Out: 11.332+/-0.351 χ^2/NDF: 415.6/33

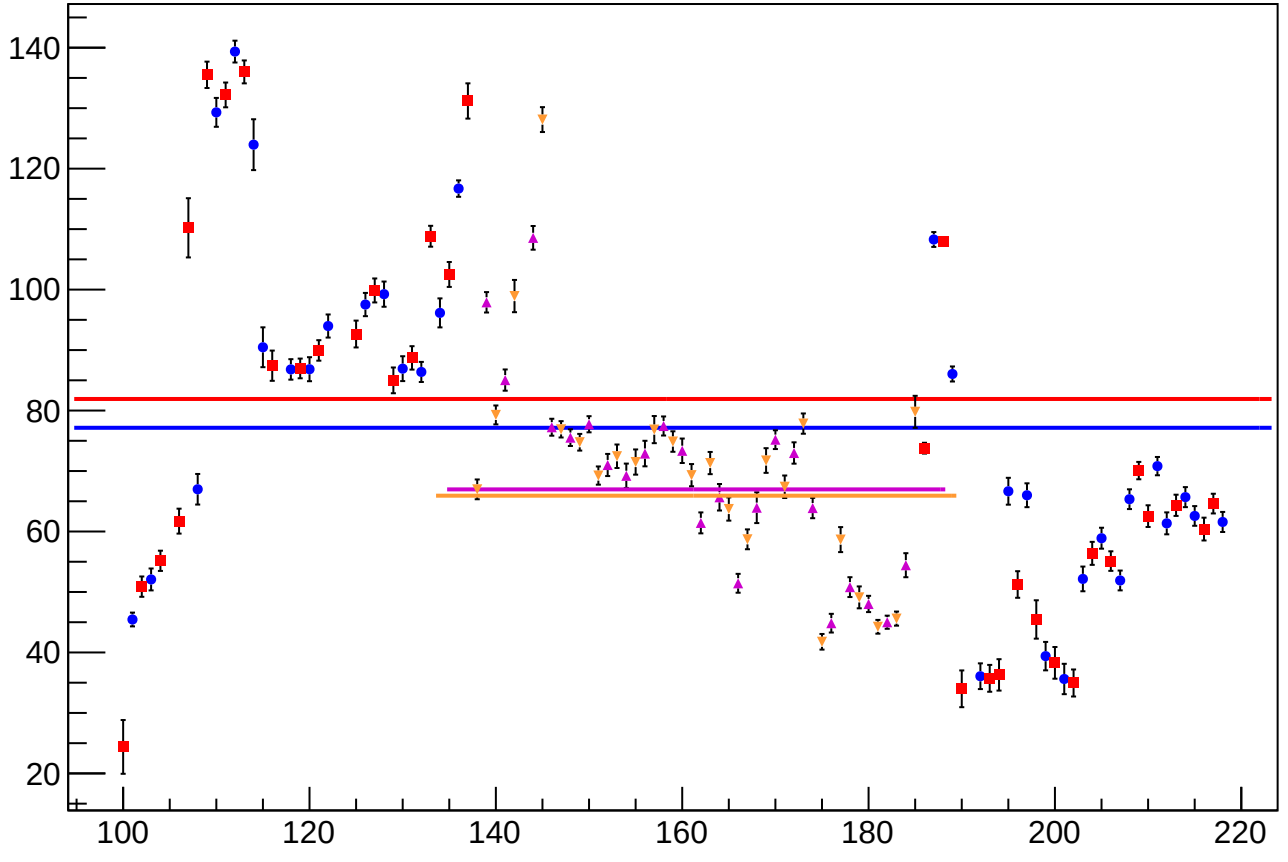
Left In: 1.605+/-0.258 χ^2/NDF:496.6/22

+ sign 4.870+/-0.207 χ^2/NDF: 1658.4/55

All: 4.944+/-0.147 χ^2/NDF: 3068.1/112

- sign 5.018+/-0.208 χ^2/NDF: 1409.4/56

reg_asym_us_avg_diff_bpm4eX_slope vs Slug



Right In: 77.151+/-0.315 χ^2/NDF: 6621.2/31

Left Out: 65.923+/-0.341 χ^2/NDF:2555.6/23

Right Out: 81.915+/-0.297 χ^2/NDF: 8330.8/33

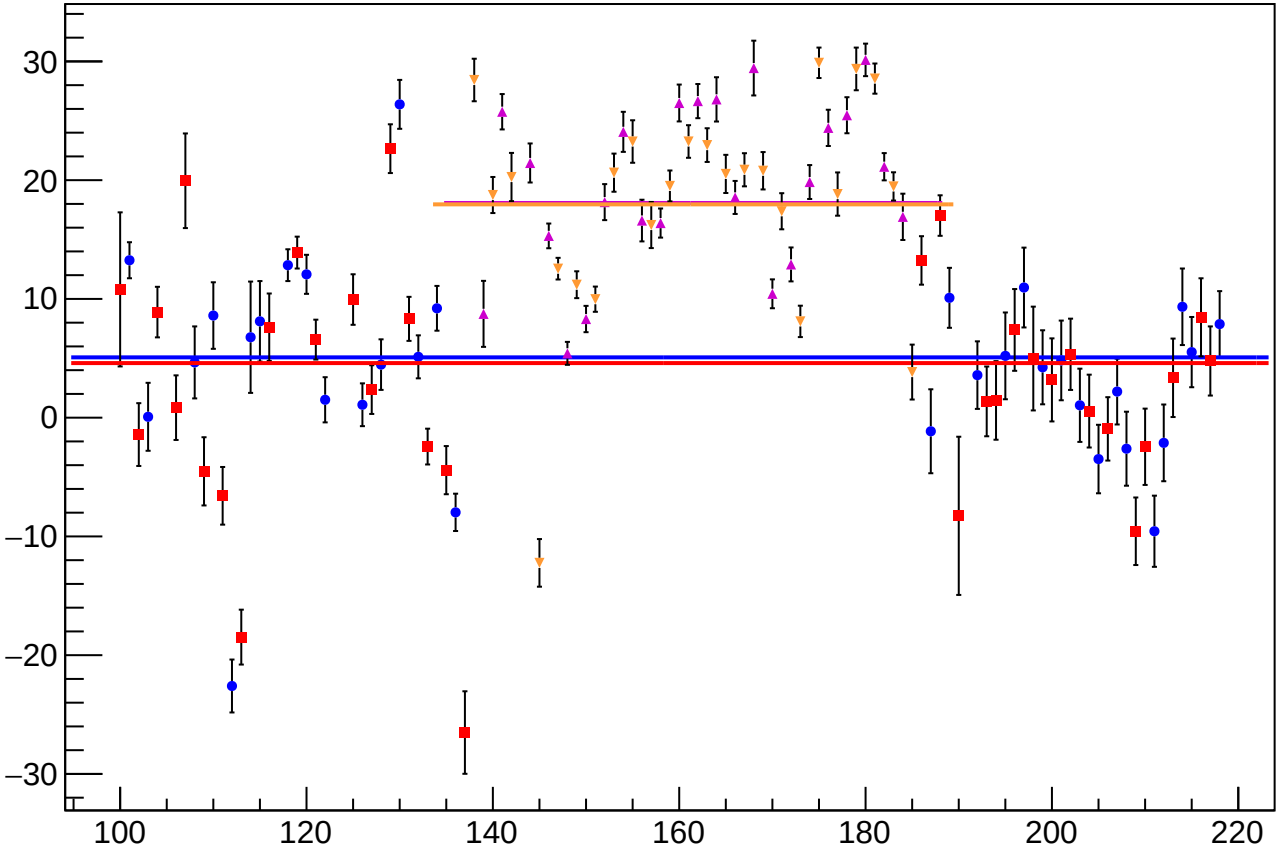
Left In: 66.964+/-0.341 χ^2/NDF:2221.3/22

+ sign 71.965+/-0.231 χ^2/NDF: 9761.9/55

All: 73.775+/-0.161 χ^2/NDF: 21524.9/112

- sign 75.471+/-0.224 χ^2/NDF: 11644.5/56

reg_asym_us_avg_diff_bpm4eY_slope vs Slug



Right In: 5.079+/-0.415 χ^2/NDF: 489.7/31

Left Out: 17.963+/-0.292 χ^2/NDF:732.1/23

Right Out: 4.597+/-0.417 χ^2/NDF: 533.8/33

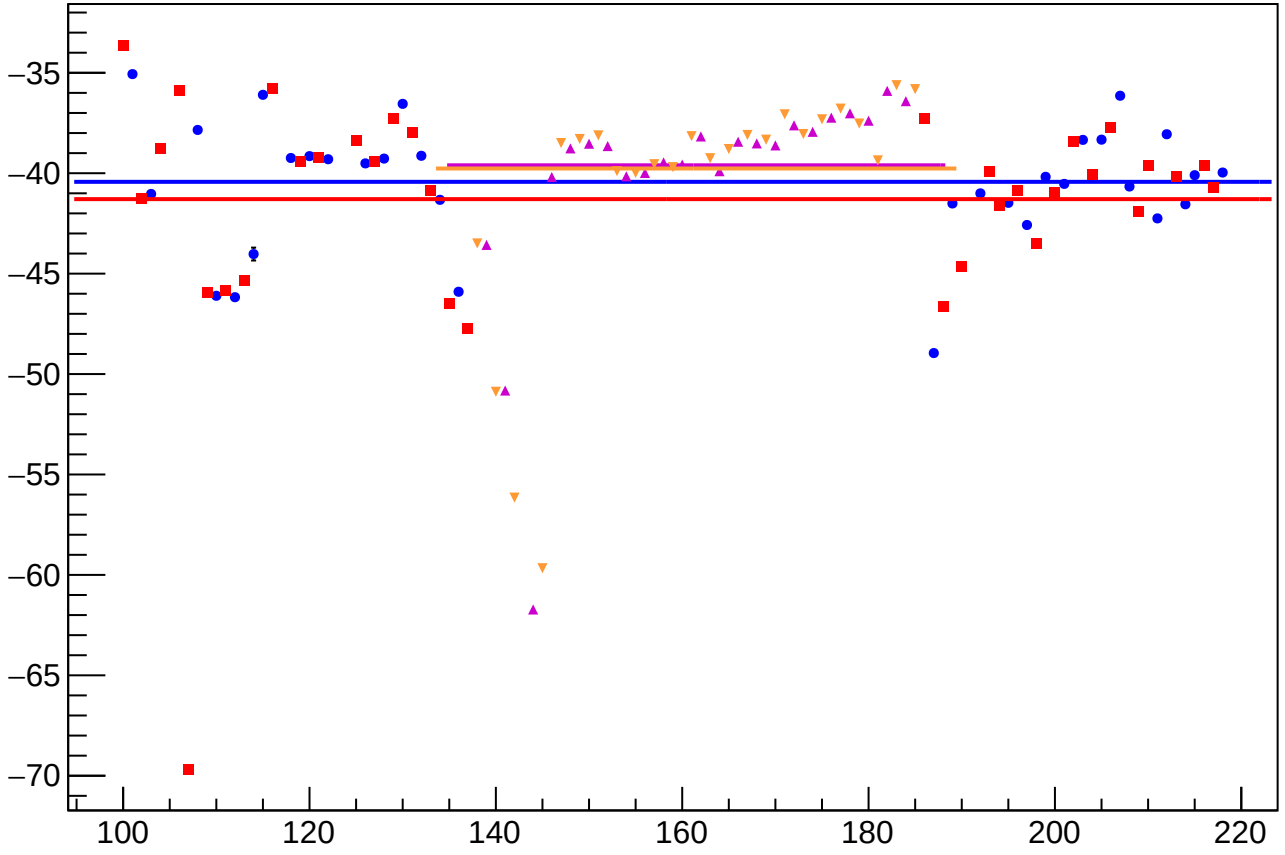
Left In: 18.079+/-0.295 χ^2/NDF:605.0/22

+ sign 13.697+/-0.239 χ^2/NDF: 1866.8/55

All: 13.639+/-0.169 χ^2/NDF: 3703.6/112

- sign 13.579+/-0.241 χ^2/NDF: 1836.7/56

reg_asym_us_avg_diff_bpm12X_slope vs Slug



Right In: -40.429+/-0.021 χ^2/NDF: 23345.1/31

Left Out: -39.765+/-0.013 χ^2/NDF:129895.4/23

Right Out: -41.290+/-0.021 χ^2/NDF: 44924.5/33

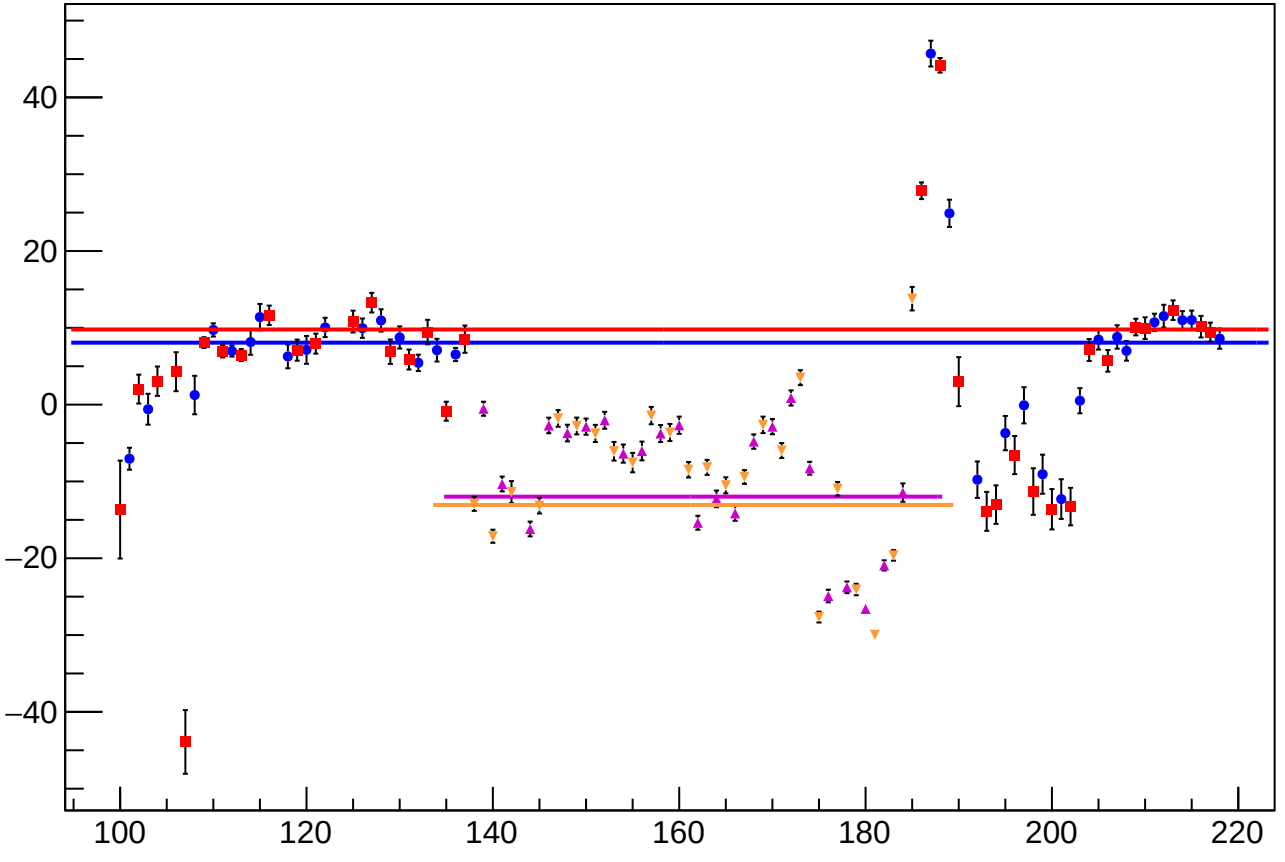
Left In: -39.606+/-0.013 χ^2/NDF:106639.2/22

+ sign -39.964+/-0.011 χ^2/NDF: 153969.2/55

All: -40.033+/-0.008 χ^2/NDF: 310267.4/112

- sign -40.101+/-0.011 χ^2/NDF: 156224.4/56

reg_asym_us_dd_diff_bpm1X_slope vs Slug



Right In: 8.070+/-0.241 χ^2/NDF: 1008.3/31

Left Out: -13.054+/-0.193 χ^2/NDF:2868.1/23

Right Out: 9.783+/-0.234 χ^2/NDF: 2391.5/33

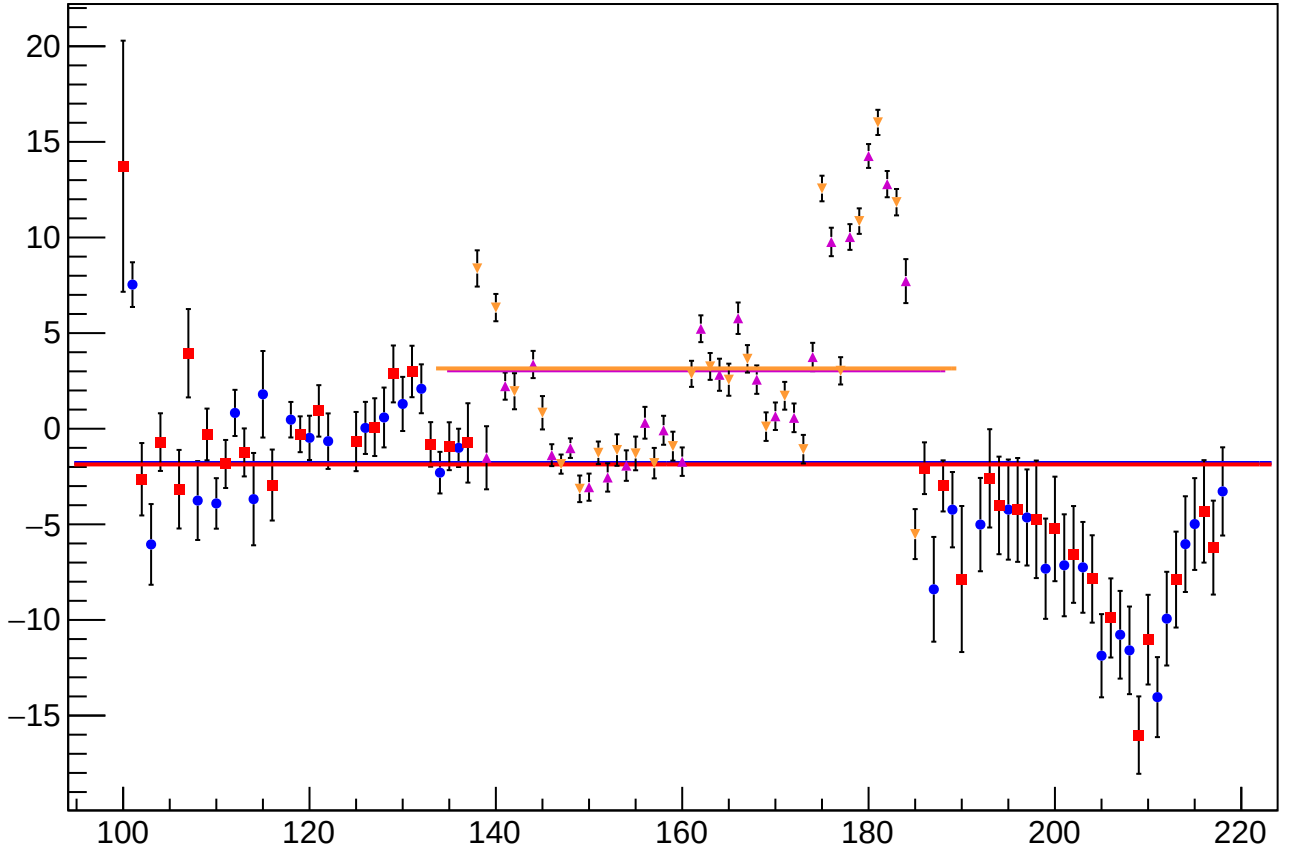
Left In: -11.978+/-0.195 χ^2/NDF:2176.6/22

+ sign -4.817+/-0.151 χ^2/NDF: 8558.6/55

All: -3.911+/-0.106 χ^2/NDF: 18303.6/112

- sign -3.014+/-0.150 χ^2/NDF: 9672.9/56

reg_asym_us_dd_diff_bpm4aY_slope vs Slug



Right In: -1.792+/-0.289 χ^2/NDF: 236.3/31

Left Out: 3.153+/-0.149 χ^2/NDF:1385.1/23

Right Out: -1.867+/-0.292 χ^2/NDF: 155.8/33

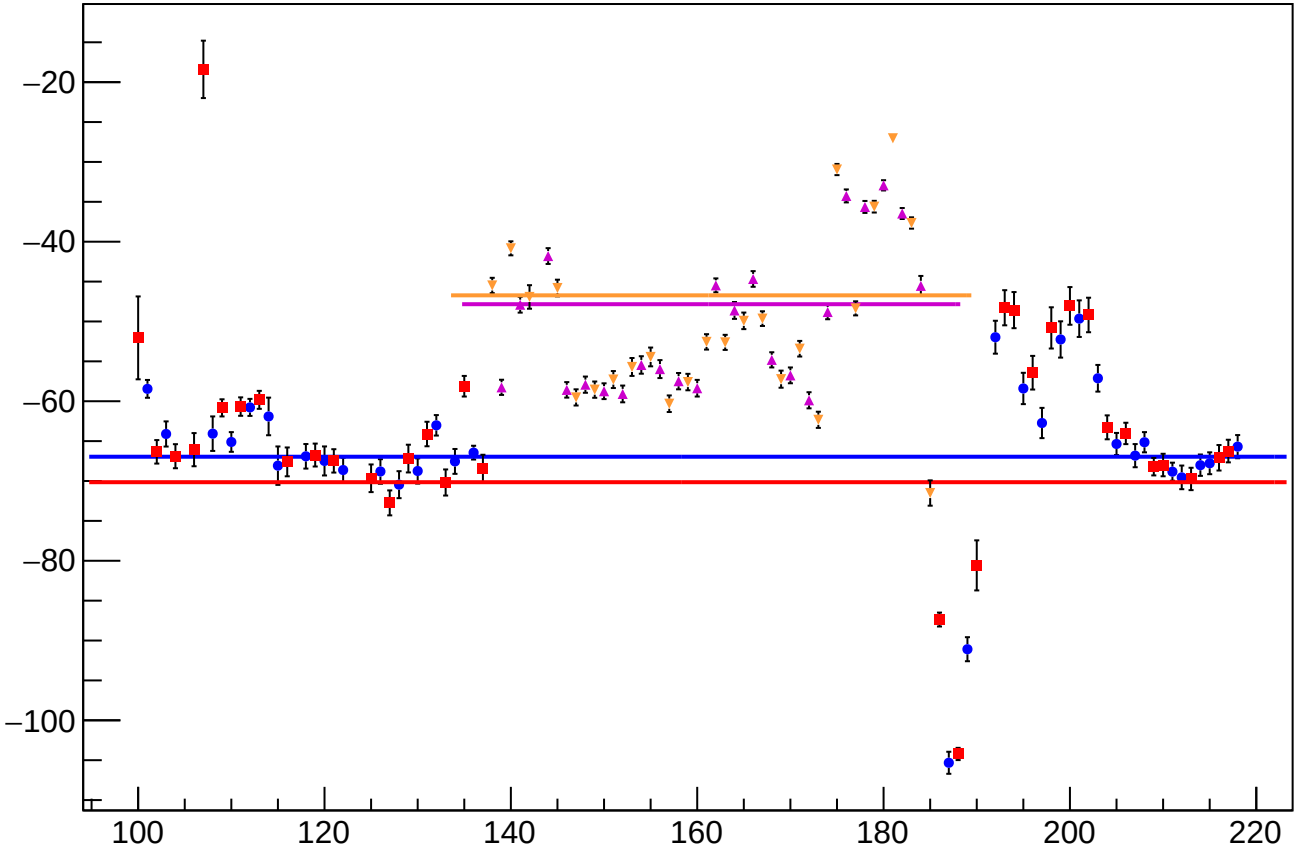
Left In: 3.055+/-0.152 χ^2/NDF:1145.0/22

+ sign 2.116+/-0.133 χ^2/NDF: 1852.0/55

All: 2.061+/-0.095 χ^2/NDF: 3377.2/112

- sign 2.003+/-0.135 χ^2/NDF: 1524.8/56

reg_asym_us_dd_diff_bpm4eX_slope vs Slug



Right In: -66.957+/-0.259 χ^2/NDF: 1370.5/31

Left Out: -46.724+/-0.192 χ^2/NDF:3446.1/23

Right Out: -70.149+/-0.252 χ^2/NDF: 3486.9/33

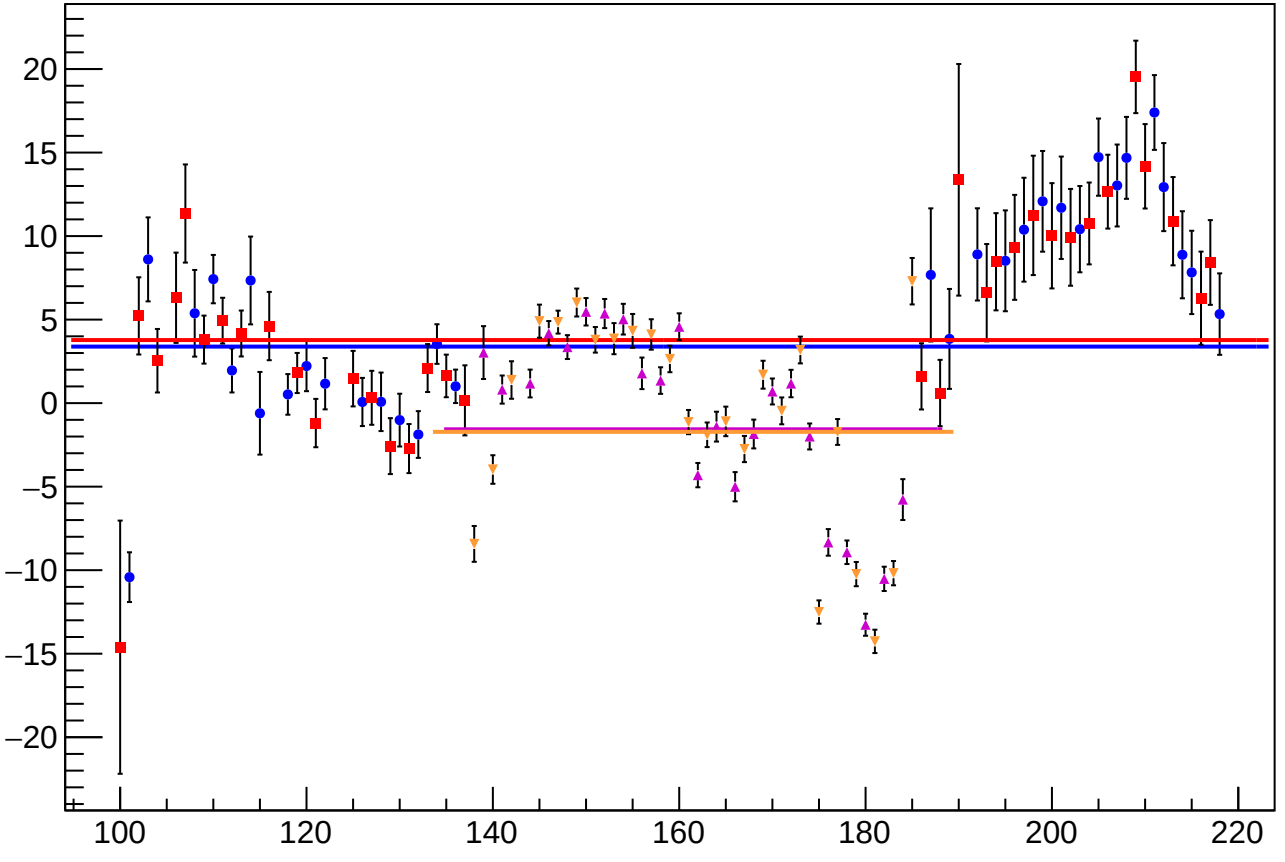
Left In: -47.835+/-0.194 χ^2/NDF:2557.6/22

+ sign -53.868+/-0.154 χ^2/NDF: 8756.2/55

All: -54.998+/-0.109 χ^2/NDF: 19829.4/112

- sign -56.123+/-0.154 χ^2/NDF: 10965.9/56

reg_asym_us_dd_diff_bpm4eY_slope vs Slug



Right In: 3.385+/-0.328 χ^2/NDF: 306.9/31

Left Out: -1.718+/-0.168 χ^2/NDF:1406.1/23

Right Out: 3.776+/-0.335 χ^2/NDF: 207.8/33

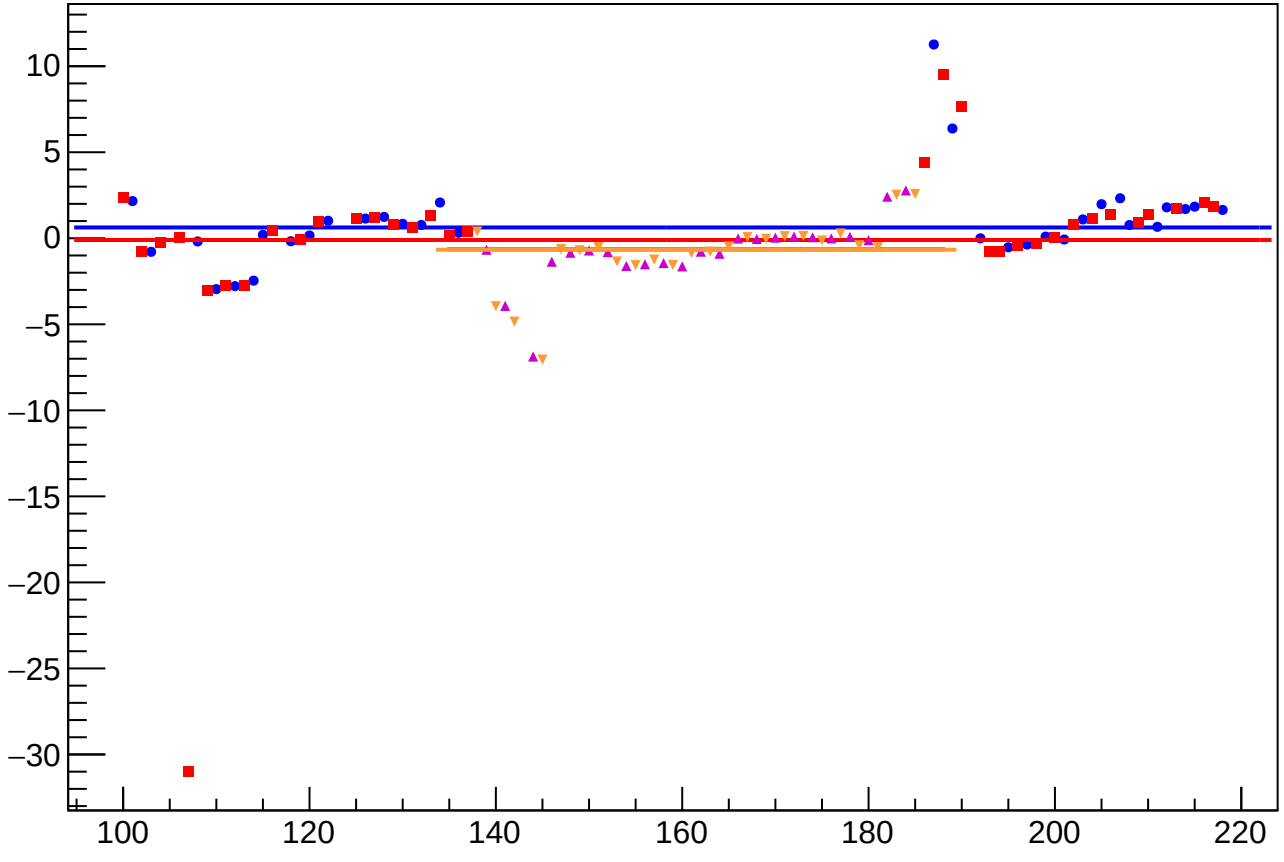
Left In: -1.567+/-0.171 χ^2/NDF:1117.7/22

+ sign -0.658+/-0.149 χ^2/NDF: 1905.2/55

All: -0.563+/-0.107 χ^2/NDF: 3433.6/112

- sign -0.465+/-0.152 χ^2/NDF: 1527.6/56

reg_asym_us_dd_diff_bpm12X_slope vs Slug



Right In: 0.628+/-0.017 χ^2/NDF: 10597.9/31

Left Out: -0.666+/-0.008 χ^2/NDF:55276.7/23

Right Out: -0.100+/-0.017 χ^2/NDF: 61620.6/33

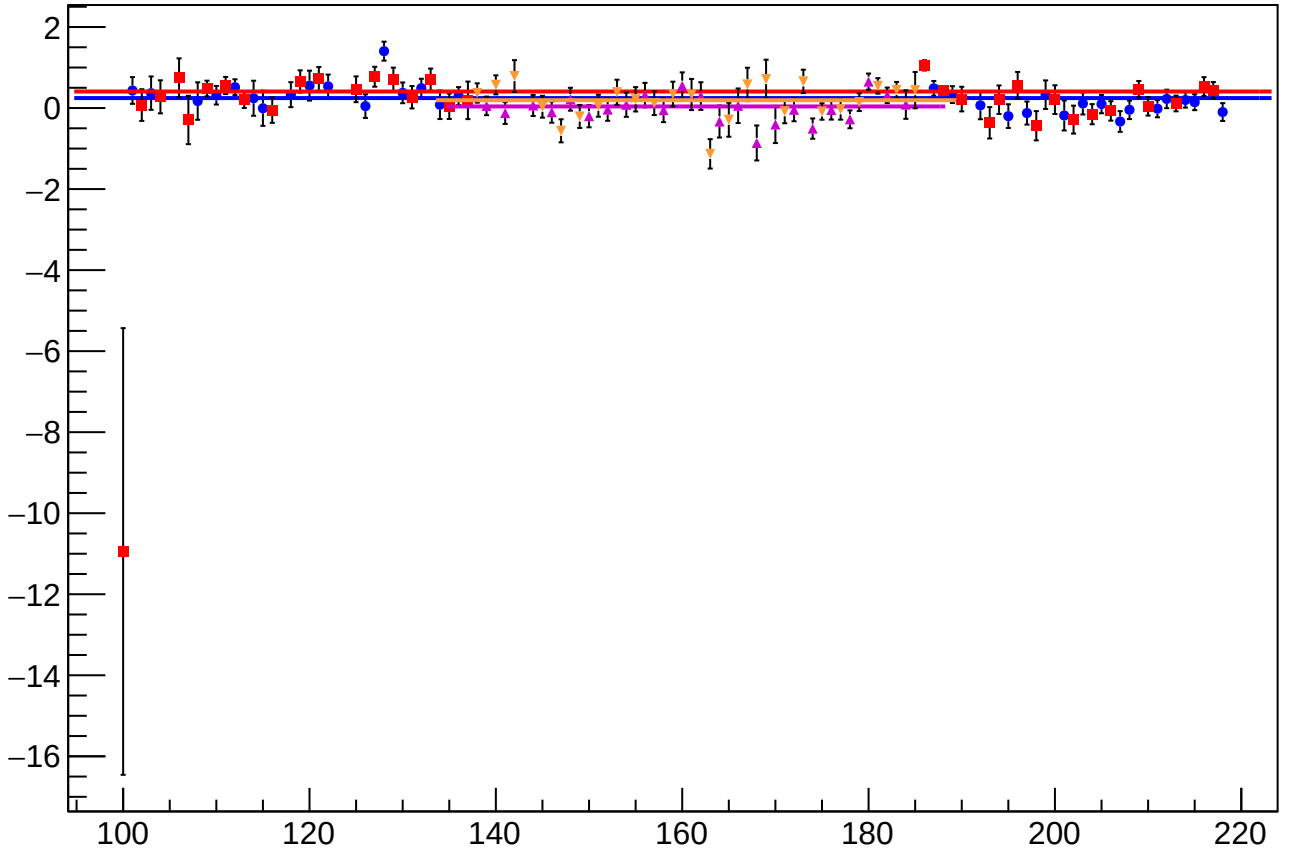
Left In: -0.646+/-0.008 χ^2/NDF:45569.5/22

+ sign -0.444+/-0.007 χ^2/NDF: 70957.4/55

All: -0.500+/-0.005 χ^2/NDF: 179140.8/112

- sign -0.556+/-0.007 χ^2/NDF: 108049.6/56

reg_asym_ds_avg_diff_bpm1X_slope vs Slug



Right In: 0.246+/-0.046 χ^2/NDF: 50.3/31

Left Out: 0.194+/-0.057 χ^2/NDF:44.2/23

Right Out: 0.408+/-0.042 χ^2/NDF: 73.9/33

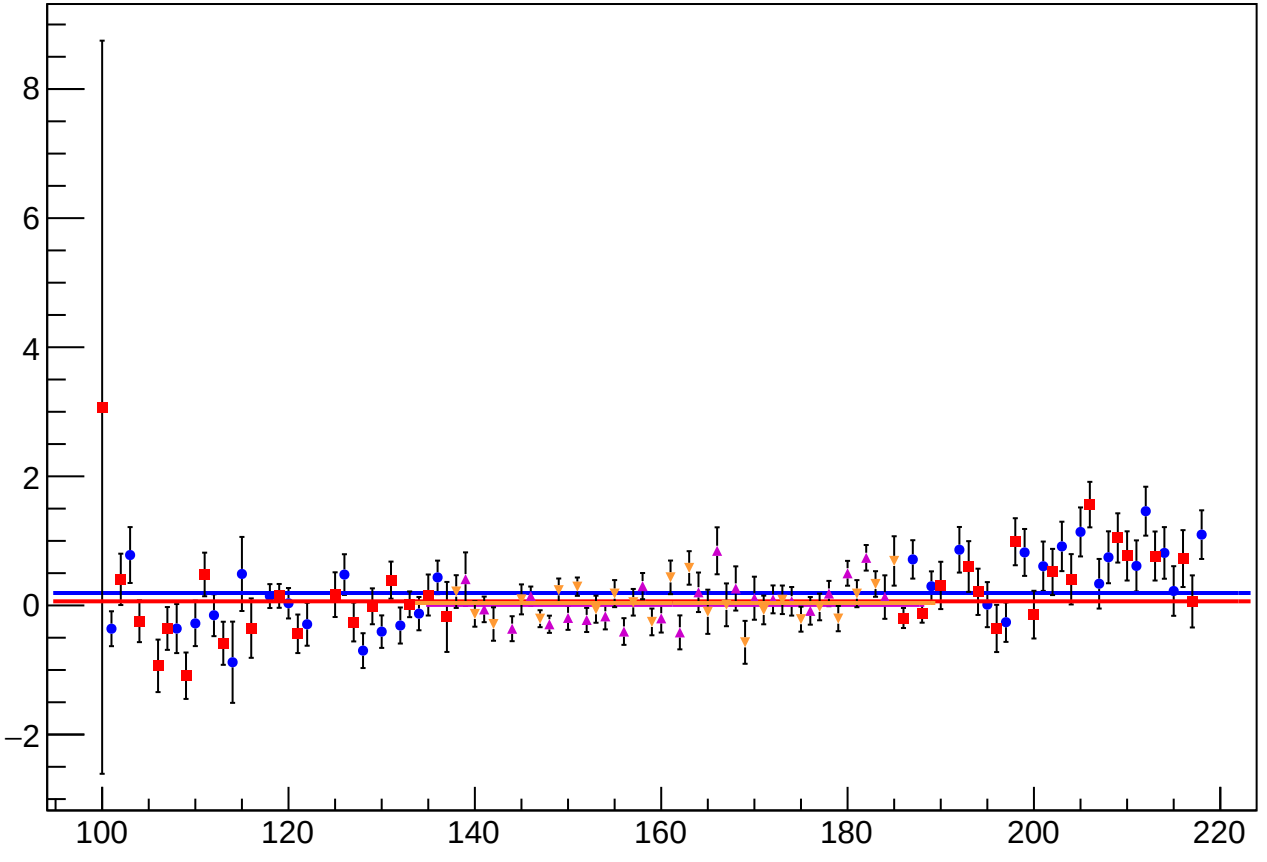
Left In: 0.039+/-0.058 χ^2/NDF:30.5/22

+ sign 0.226+/-0.036 χ^2/NDF: 95.0/55

All: 0.254+/-0.025 χ^2/NDF: 227.4/112

- sign 0.280+/-0.034 χ^2/NDF: 131.2/56

reg_asym_ds_avg_diff_bpm4aY_slope vs Slug



Right In: 0.193+/-0.056 χ^2/NDF: 85.7/31

Left Out: 0.038+/-0.043 χ^2/NDF:32.8/23

Right Out: 0.064+/-0.052 χ^2/NDF: 83.0/33

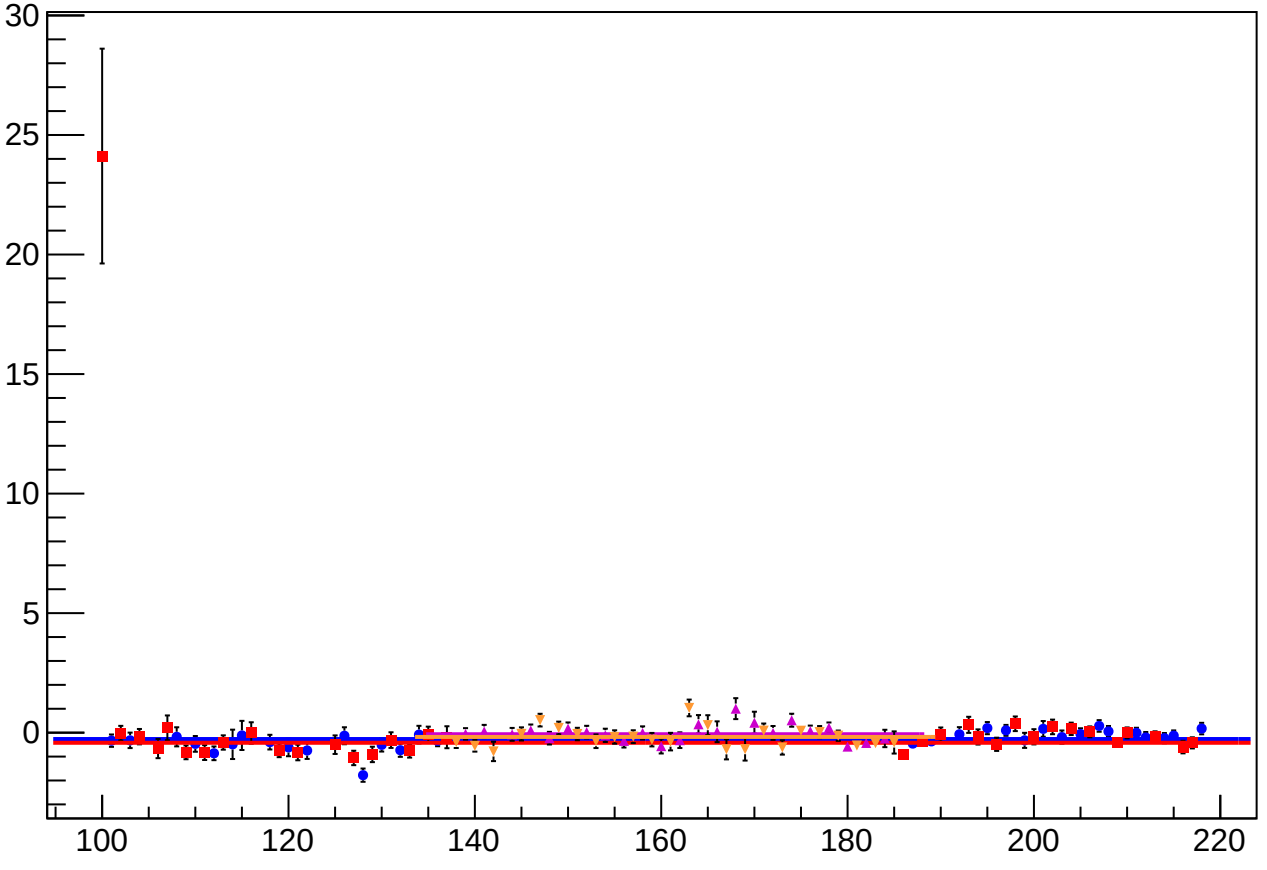
Left In: 0.008+/-0.044 χ^2/NDF:51.4/22

+ sign 0.096+/-0.034 χ^2/NDF: 123.3/55

All: 0.063+/-0.024 χ^2/NDF: 260.1/112

- sign 0.032+/-0.034 χ^2/NDF: 135.0/56

reg_asym_ds_avg_diff_bpm4eX_slope vs Slug



Right In: -0.266+/-0.046 χ^2/NDF: 64.8/31

Left Out: -0.178+/-0.056 χ^2/NDF:42.1/23

Right Out: -0.422+/-0.041 χ^2/NDF: 106.2/33

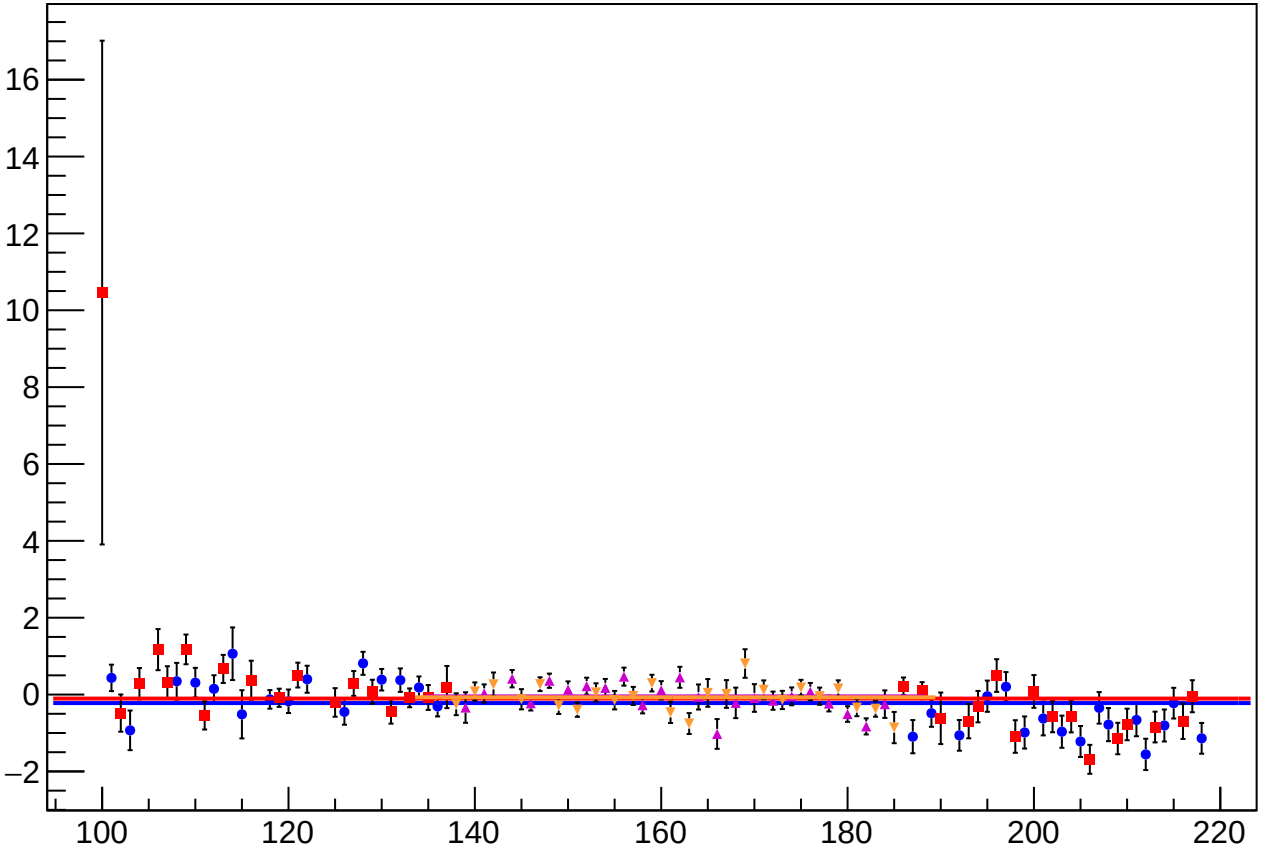
Left In: -0.066+/-0.057 χ^2/NDF:31.4/22

+ sign -0.230+/-0.036 χ^2/NDF: 108.4/55

All: -0.268+/-0.024 χ^2/NDF: 274.1/112

- sign -0.301+/-0.033 χ^2/NDF: 163.5/56

reg_asym_ds_avg_diff_bpm4eY_slope vs Slug



Right In: -0.221+/-0.065 χ^2/NDF: 84.8/31

Left Out: -0.072+/-0.049 χ^2/NDF:37.7/23

Right Out: -0.104+/-0.063 χ^2/NDF: 82.9/33

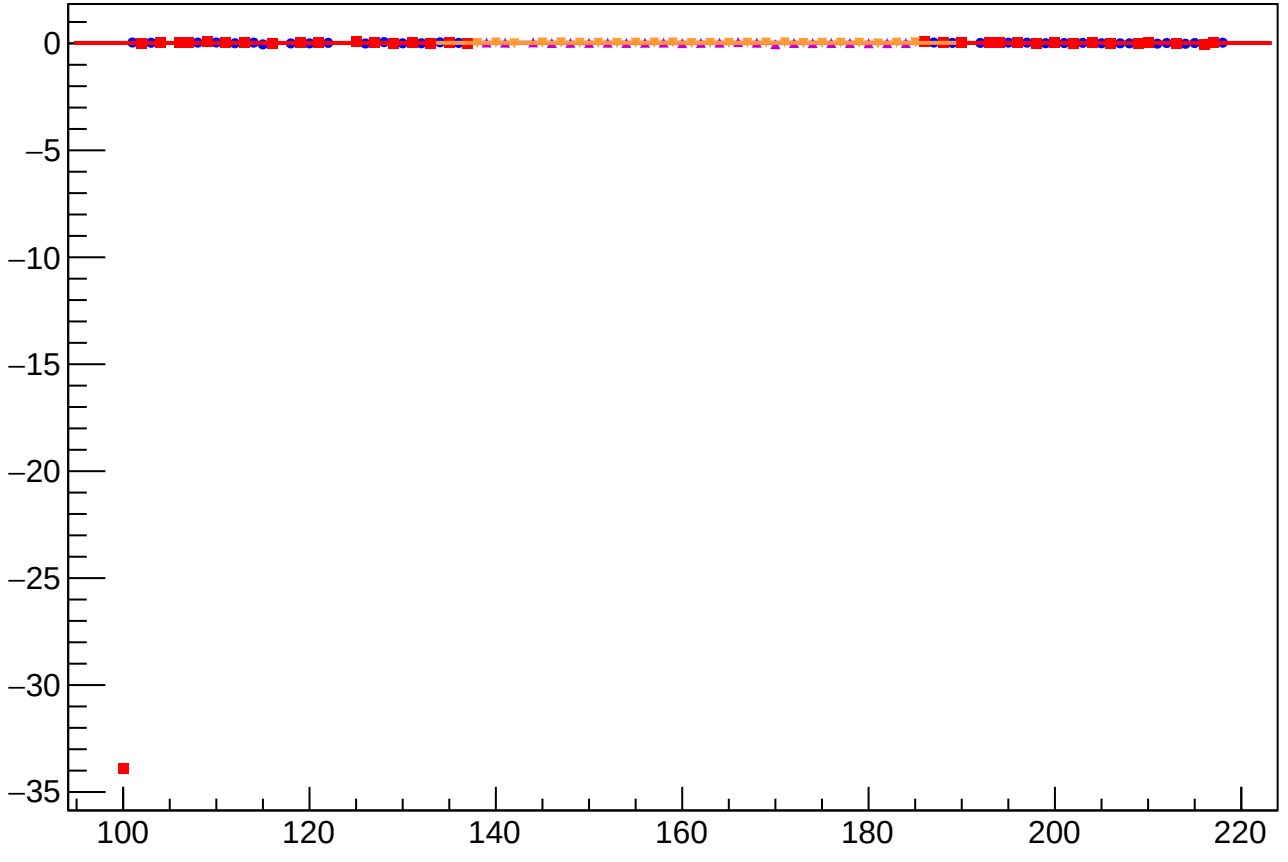
Left In: -0.047+/-0.050 χ^2/NDF:50.5/22

+ sign -0.127+/-0.039 χ^2/NDF: 125.9/55

All: -0.098+/-0.028 χ^2/NDF: 260.8/112

- sign -0.070+/-0.039 χ^2/NDF: 133.8/56

reg_asym_ds_avg_diff_bpm12X_slope vs Slug



Right In: 0.022+/-0.003 χ^2/NDF: 30.4/31

Left Out: 0.026+/-0.002 χ^2/NDF:31.4/23

Right Out: 0.021+/-0.003 χ^2/NDF: 22325.4/33

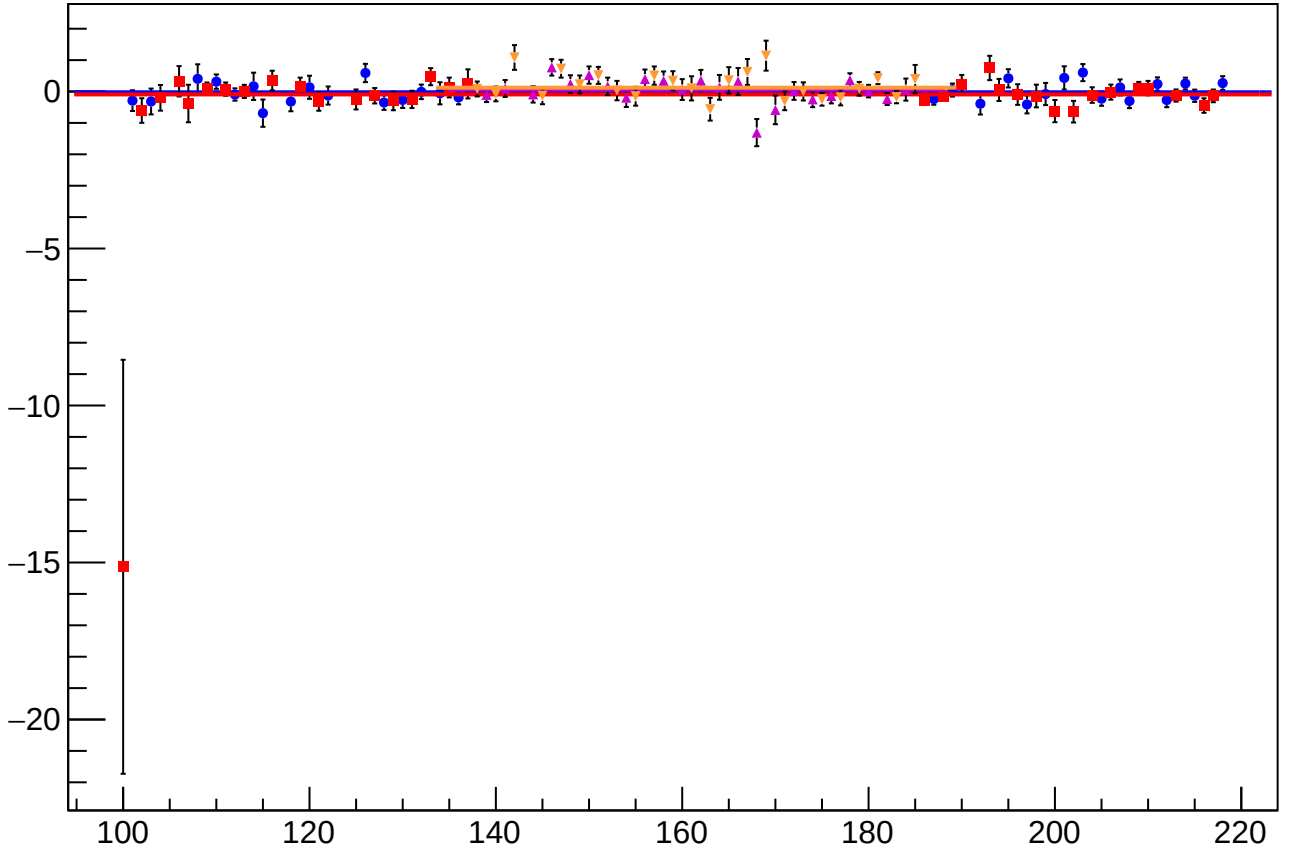
Left In: 0.026+/-0.002 χ^2/NDF:39.5/22

+ sign 0.025+/-0.002 χ^2/NDF: 63.3/55

All: 0.025+/-0.001 χ^2/NDF: 22430.5/112

- sign 0.024+/-0.002 χ^2/NDF: 22367.1/56

reg_asym_ds_dd_diff_bpm1X_slope vs Slug



Right In: -0.024+/-0.046 χ^2/NDF: 39.2/31

Left Out: 0.122+/-0.057 χ^2/NDF:39.6/23

Right Out: -0.093+/-0.042 χ^2/NDF: 37.7/33

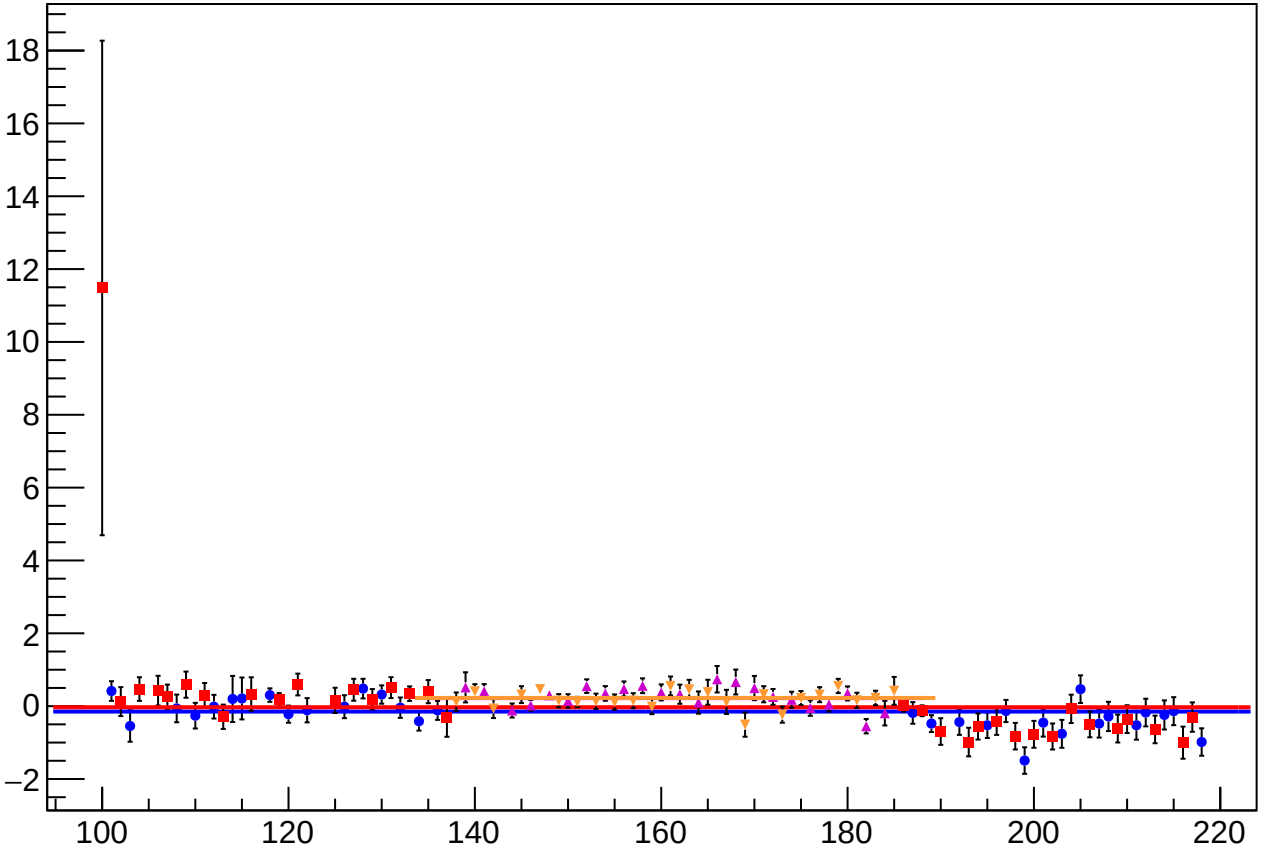
Left In: 0.063+/-0.058 χ^2/NDF:34.2/22

+ sign 0.033+/-0.036 χ^2/NDF: 82.8/55

All: -0.004+/-0.025 χ^2/NDF: 161.7/112

- sign -0.038+/-0.034 χ^2/NDF: 76.7/56

reg_asym_ds_dd_diff_bpm4aY_slope vs Slug



Right In: -0.149+/-0.056 χ^2/NDF: 52.7/31

Left Out: 0.225+/-0.043 χ^2/NDF:24.1/23

Right Out: -0.030+/-0.052 χ^2/NDF: 70.3/33

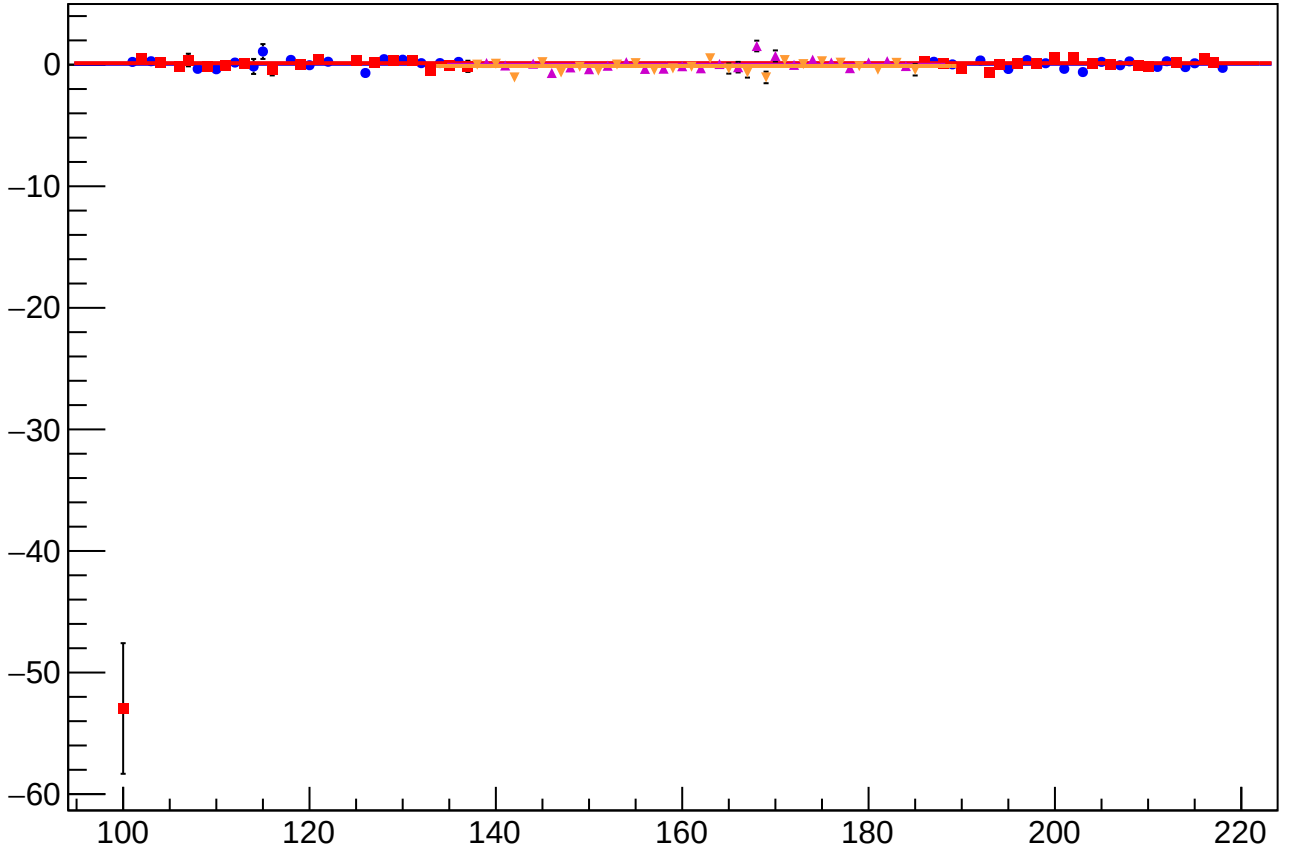
Left In: 0.221+/-0.044 χ^2/NDF:39.3/22

+ sign 0.085+/-0.034 χ^2/NDF: 104.7/55

All: 0.101+/-0.024 χ^2/NDF: 228.3/112

- sign 0.116+/-0.034 χ^2/NDF: 123.1/56

reg_asym_ds_dd_diff_bpm4eX_slope vs Slug



Right In: 0.076+/-0.046 χ^2/NDF: 38.4/31

Left Out: -0.105+/-0.056 χ^2/NDF:37.6/23

Right Out: 0.126+/-0.041 χ^2/NDF: 127.0/33

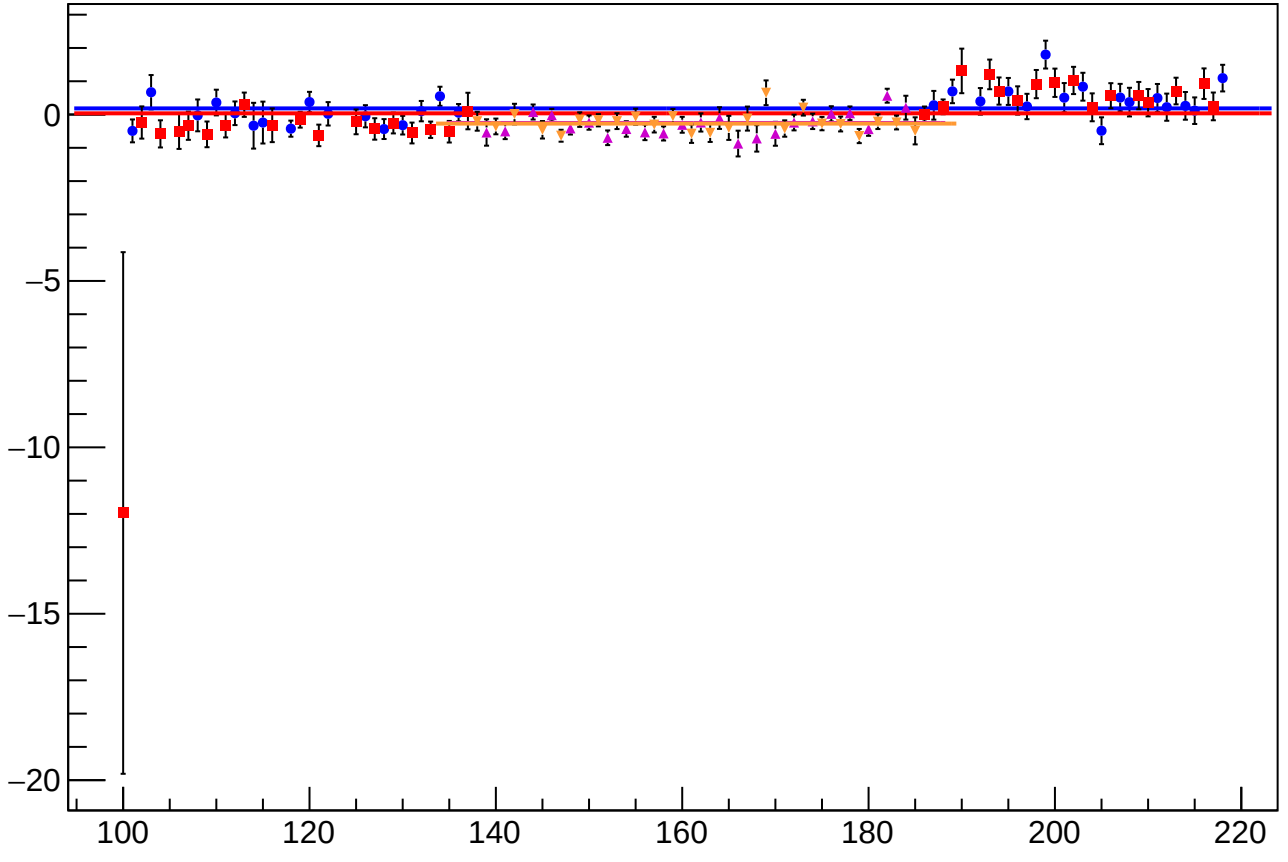
Left In: -0.009+/-0.057 χ^2/NDF:38.0/22

+ sign 0.003+/-0.036 χ^2/NDF: 82.2/55

All: 0.044+/-0.024 χ^2/NDF: 253.4/112

- sign 0.080+/-0.033 χ^2/NDF: 168.7/56

reg_asym_ds_dd_diff_bpm4eY_slope vs Slug



Right In: 0.184+/-0.065 χ^2/NDF: 54.6/31

Left Out: -0.272+/-0.049 χ^2/NDF:24.8/23

Right Out: 0.036+/-0.063 χ^2/NDF: 71.0/33

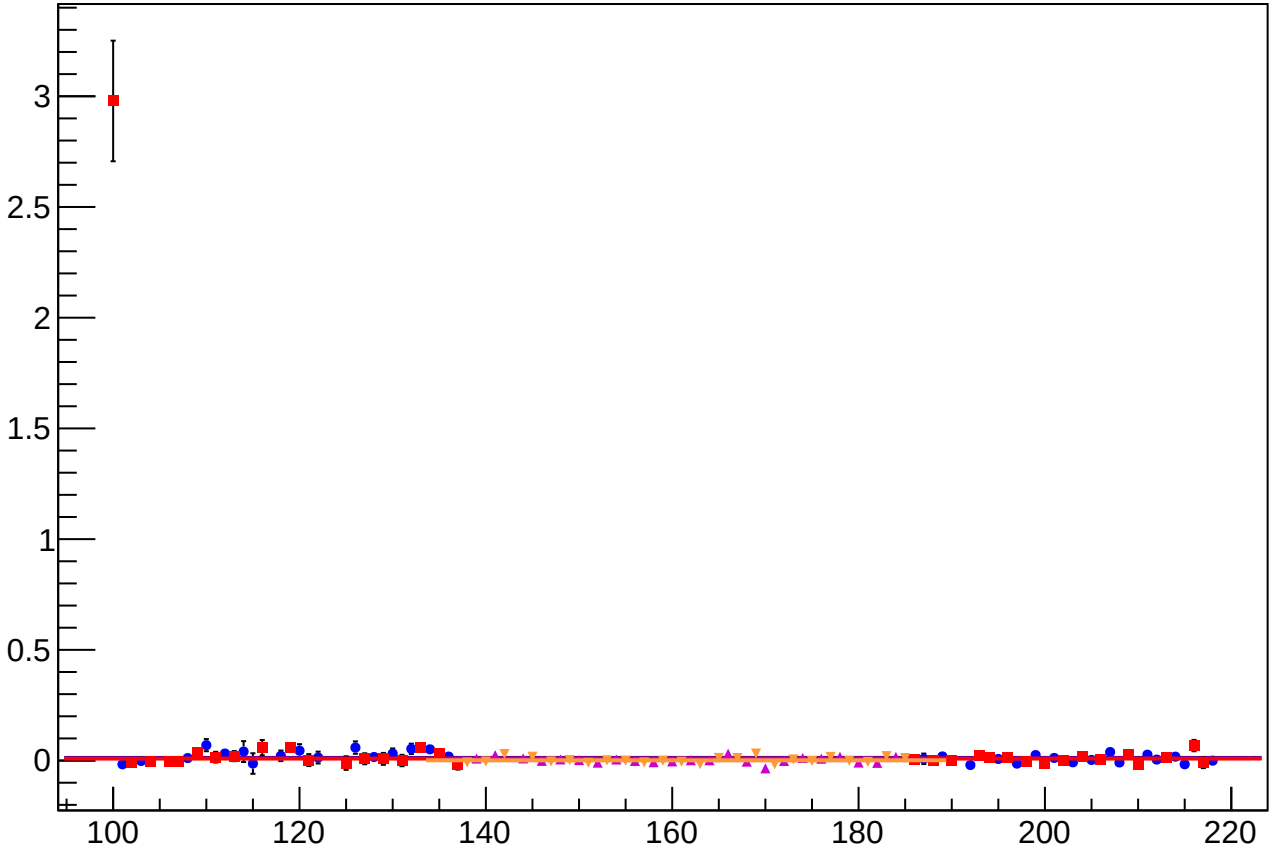
Left In: -0.254+/-0.050 χ^2/NDF:40.6/22

+ sign -0.104+/-0.039 χ^2/NDF: 110.8/55

All: -0.122+/-0.028 χ^2/NDF: 236.0/112

- sign -0.140+/-0.039 χ^2/NDF: 124.7/56

reg_asym_ds_dd_diff_bpm12X_slope vs Slug



Right In: 0.012+/-0.003 χ^2/NDF: 47.3/31

Left Out: 0.001+/-0.002 χ^2/NDF:26.7/23

Right Out: 0.009+/-0.003 χ^2/NDF: 158.2/33

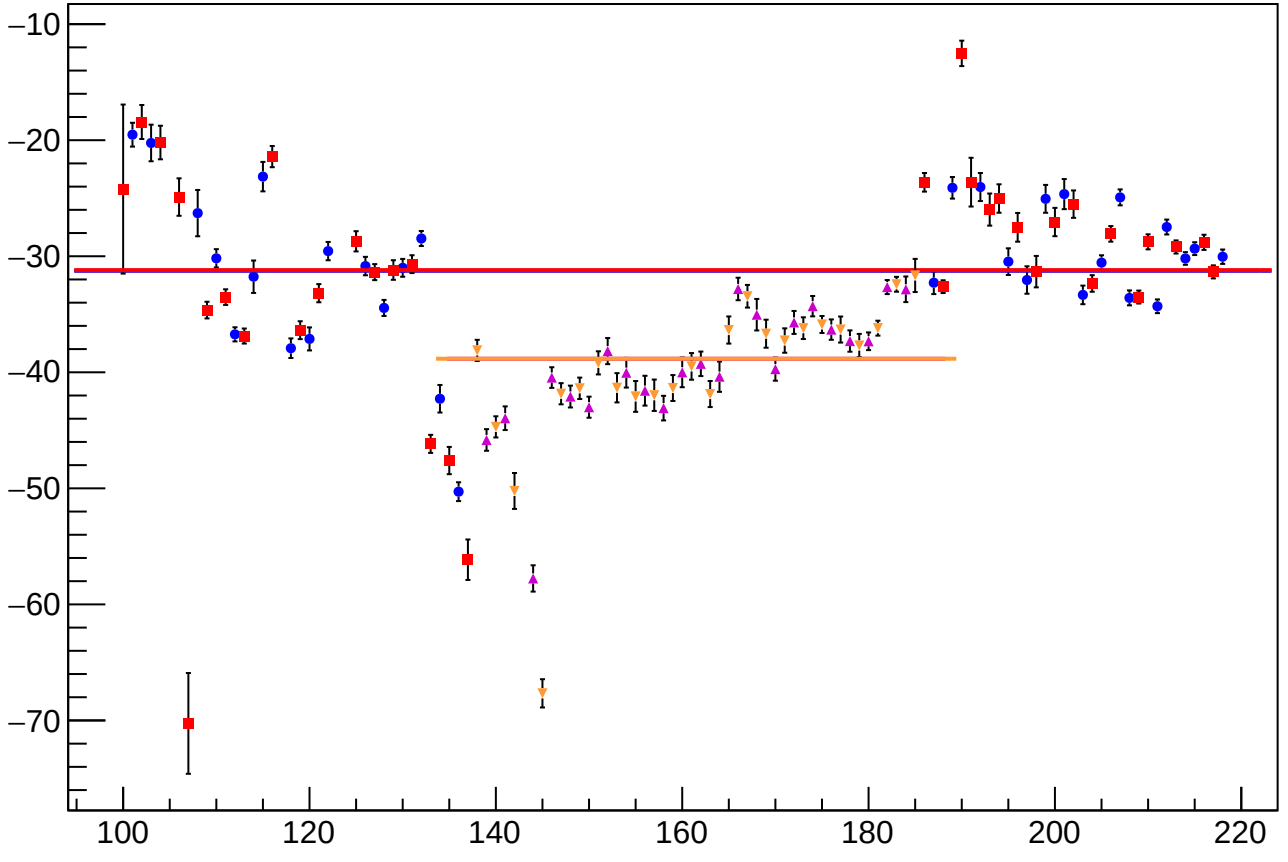
Left In: 0.002+/-0.002 χ^2/NDF:24.6/22

+ sign 0.005+/-0.002 χ^2/NDF: 82.1/55

All: 0.005+/-0.001 χ^2/NDF: 268.3/112

- sign 0.005+/-0.002 χ^2/NDF: 186.3/56

reg_asym_left_avg_diff_bpm1X_slope vs Slug



Right In: -31.250+/-0.142 χ^2/NDF: 1425.3/31

Left Out: -38.829+/-0.202 χ^2/NDF:917.0/23

Right Out: -31.198+/-0.142 χ^2/NDF: 1852.3/34

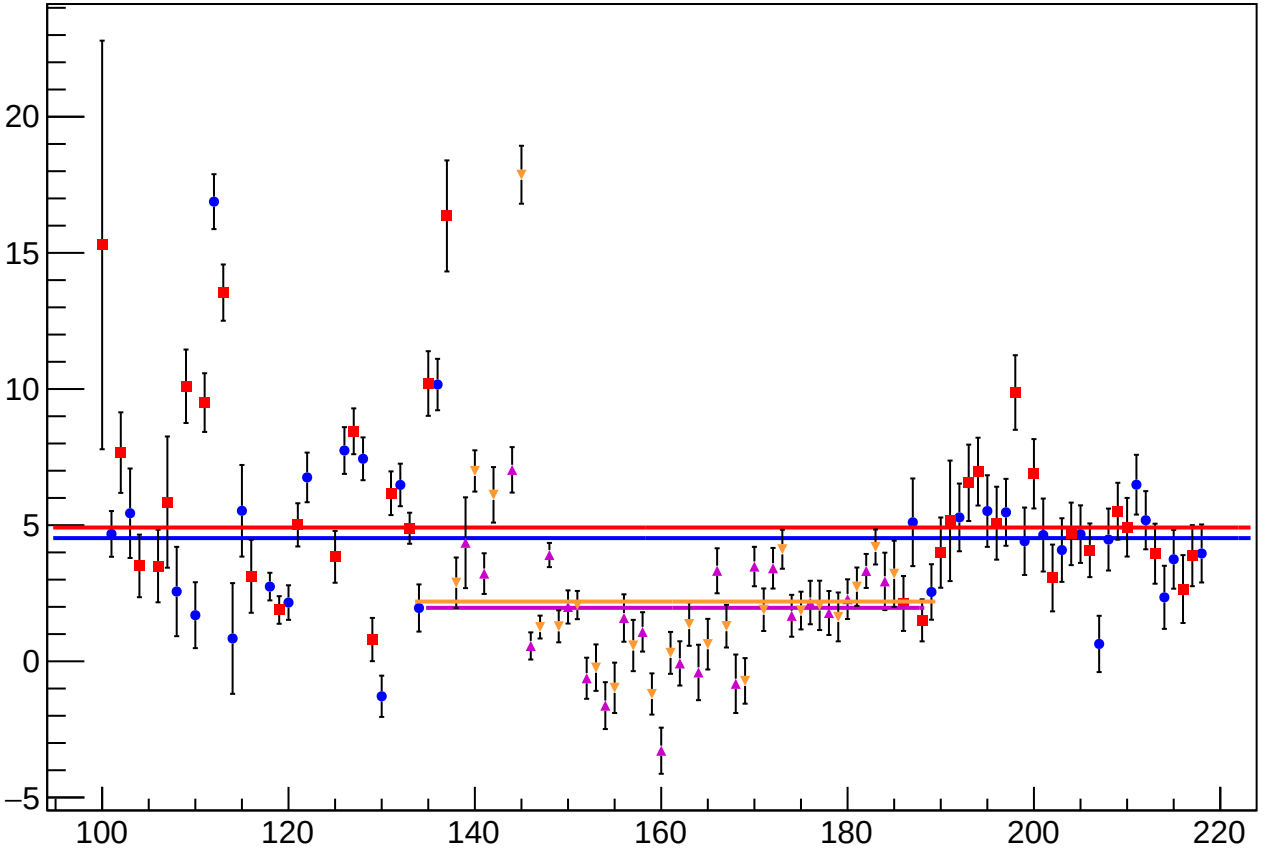
Left In: -38.837+/-0.203 χ^2/NDF:653.4/22

+ sign -33.750+/-0.116 χ^2/NDF: 3285.2/55

All: -33.723+/-0.082 χ^2/NDF: 6740.3/113

- sign -33.696+/-0.116 χ^2/NDF: 3455.0/57

reg_asym_left_avg_diff_bpm4aY_slope vs Slug



Right In: 4.525+/-0.175 χ^2/NDF: 358.2/31

Left Out: 2.195+/-0.152 χ^2/NDF:365.1/23

Right Out: 4.914+/-0.174 χ^2/NDF: 303.5/34

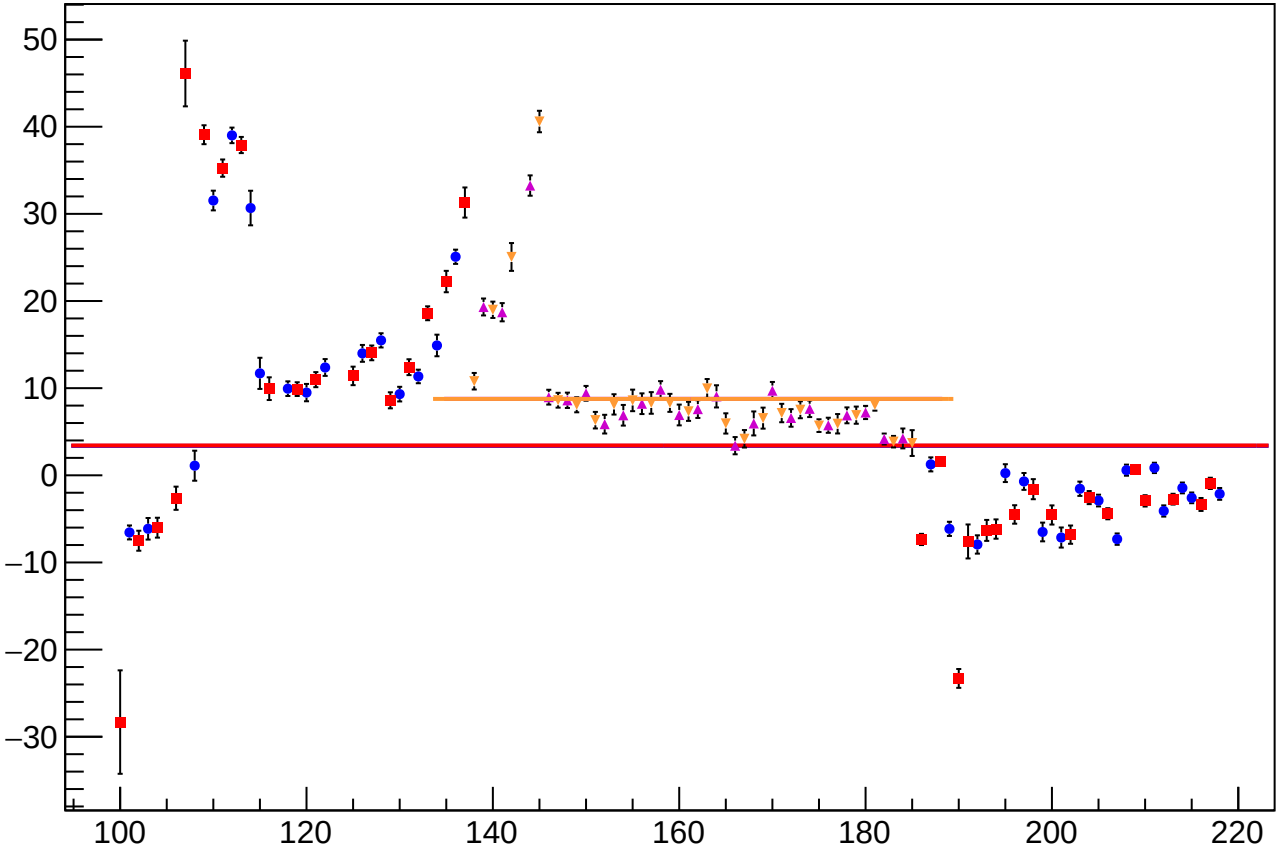
Left In: 1.964+/-0.155 χ^2/NDF:173.2/22

+ sign 3.200+/-0.115 χ^2/NDF: 824.4/55

All: 3.231+/-0.081 χ^2/NDF: 1461.3/113

- sign 3.263+/-0.116 χ^2/NDF: 636.8/57

reg_asym_left_avg_diff_bpm4eX_slope vs Slug



Right In: 3.379+/-0.149 χ^2/NDF: 5350.5/31

Left Out: 8.766+/-0.200 χ^2/NDF:1035.4/23

Right Out: 3.421+/-0.147 χ^2/NDF: 7063.7/34

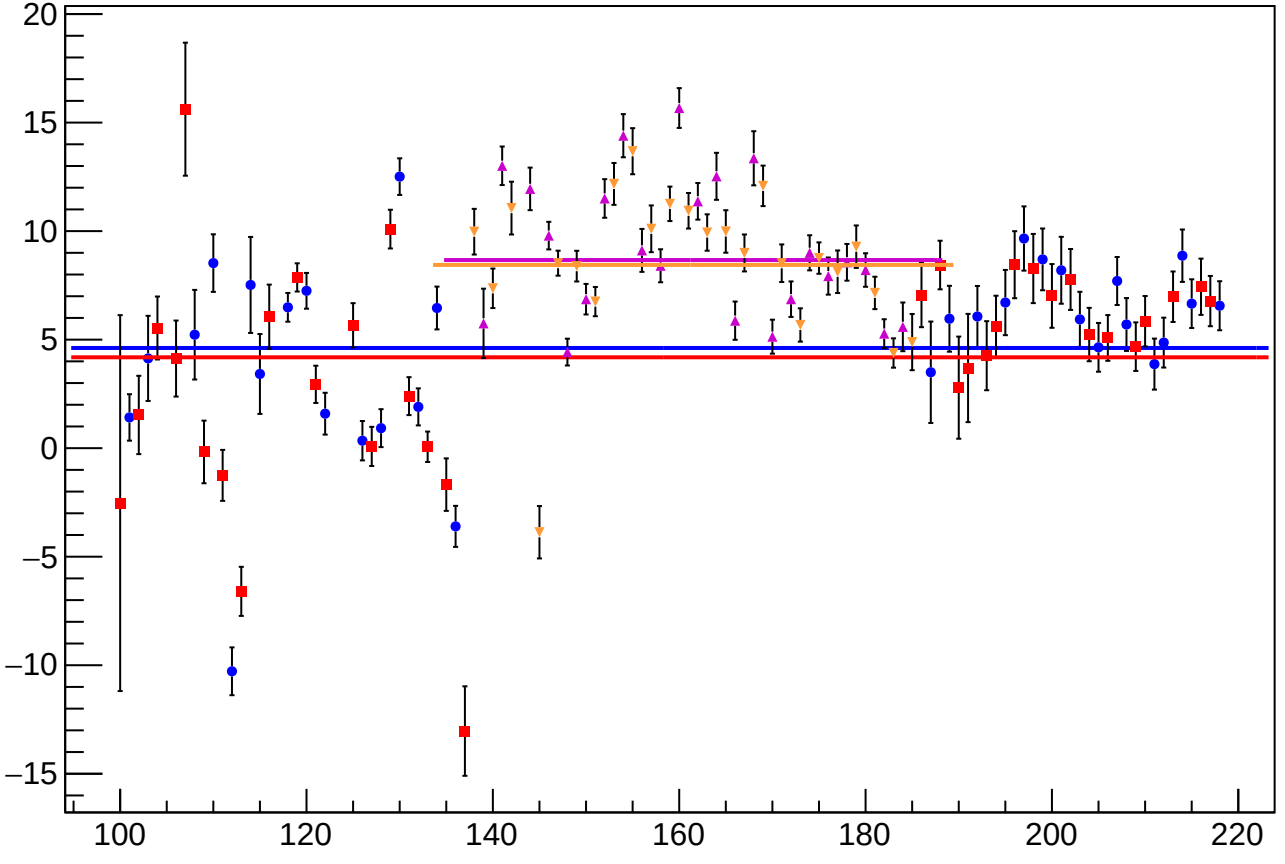
Left In: 8.773+/-0.201 χ^2/NDF:795.1/22

+ sign 5.292+/-0.119 χ^2/NDF: 6851.5/55

All: 5.290+/-0.084 χ^2/NDF: 15169.9/113

- sign 5.288+/-0.119 χ^2/NDF: 8318.3/57

reg_asym_left_avg_diff_bpm4eY_slope vs Slug



Right In: 4.617+/-0.199 χ^2/NDF: 505.8/31

Left Out: 8.442+/-0.174 χ^2/NDF:264.2/23

Right Out: 4.186+/-0.202 χ^2/NDF: 438.4/34

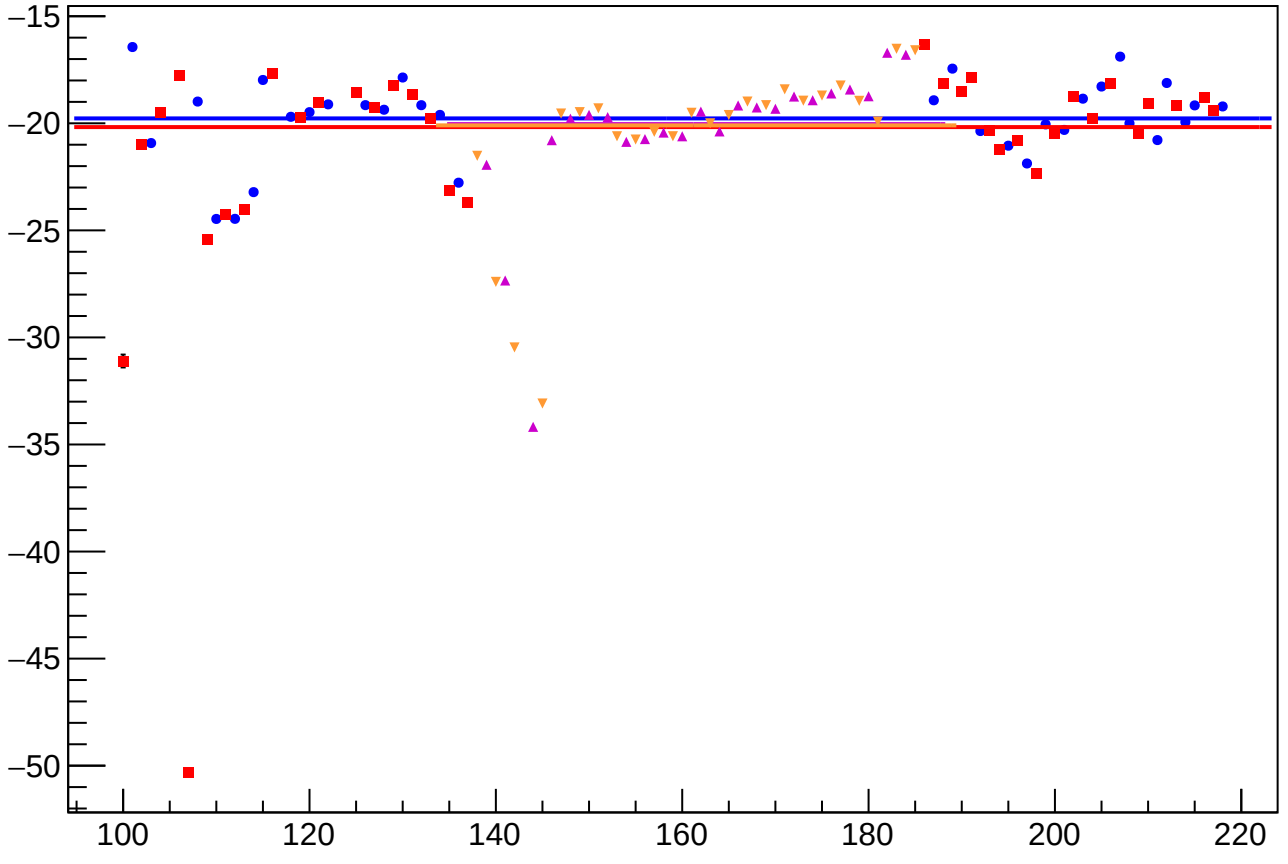
Left In: 8.666+/-0.176 χ^2/NDF:304.8/22

\+ sign 6.794+/-0.131 χ^2/NDF: 979.3/55

All: 6.765+/-0.093 χ^2/NDF: 2003.1/113

\- sign 6.734+/-0.132 χ^2/NDF: 1023.7/57

reg_asym_left_avg_diff_bpm12X_slope vs Slug



Right In: -19.772+/-0.010 χ^2/NDF: 32578.5/31

Left Out: -20.096+/-0.008 χ^2/NDF:159293.0/23

Right Out: -20.177+/-0.010 χ^2/NDF: 72886.9/34

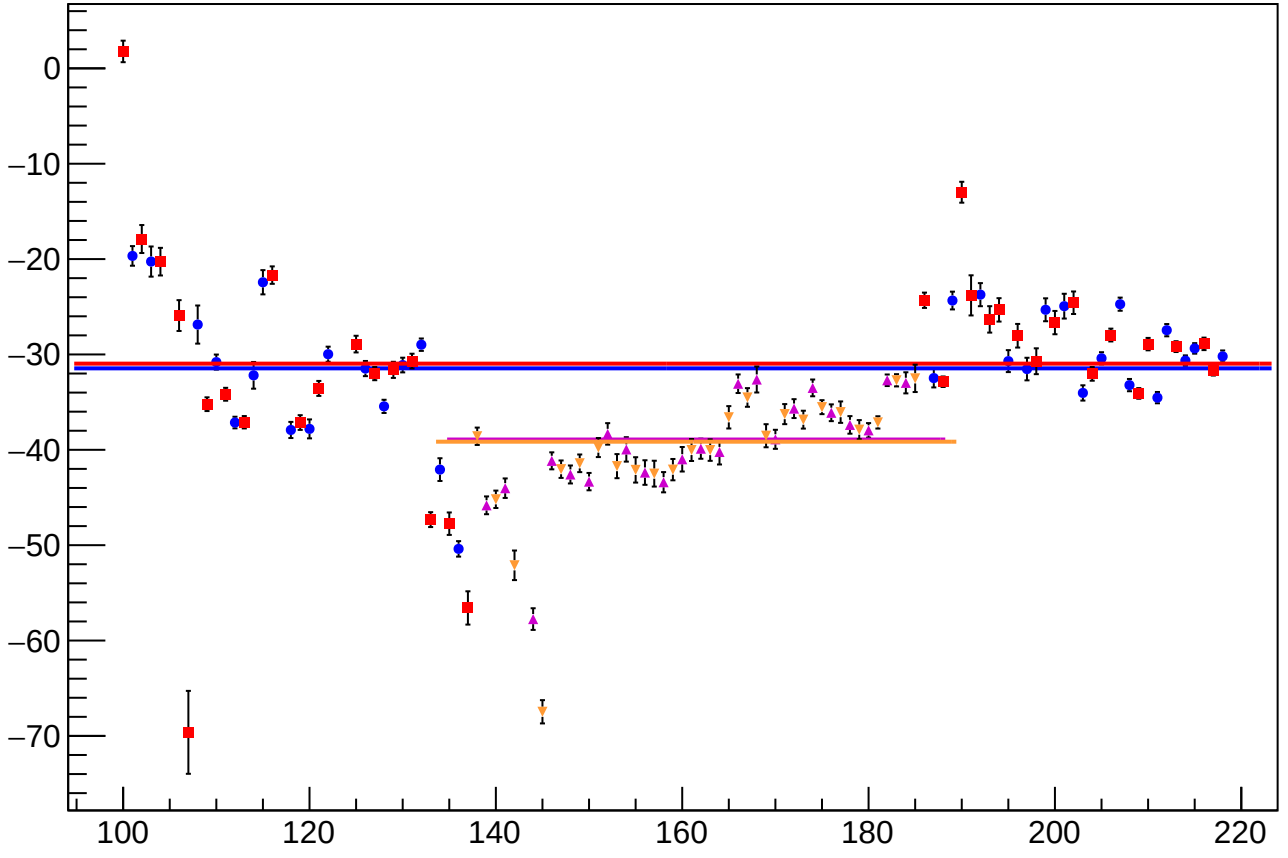
Left In: -20.037+/-0.008 χ^2/NDF:132291.6/22

+ sign -19.971+/-0.006 χ^2/NDF: 192519.4/55

All: -20.031+/-0.004 χ^2/NDF: 398006.1/113

- sign -20.091+/-0.006 χ^2/NDF: 205298.6/57

reg_asym_left_dd_diff_bpm1X_slope vs Slug



Right In: -31.459+/-0.142 χ^2/NDF: 1452.2/31

Left Out: -39.148+/-0.202 χ^2/NDF:898.8/23

Right Out: -30.964+/-0.141 χ^2/NDF: 2781.9/34

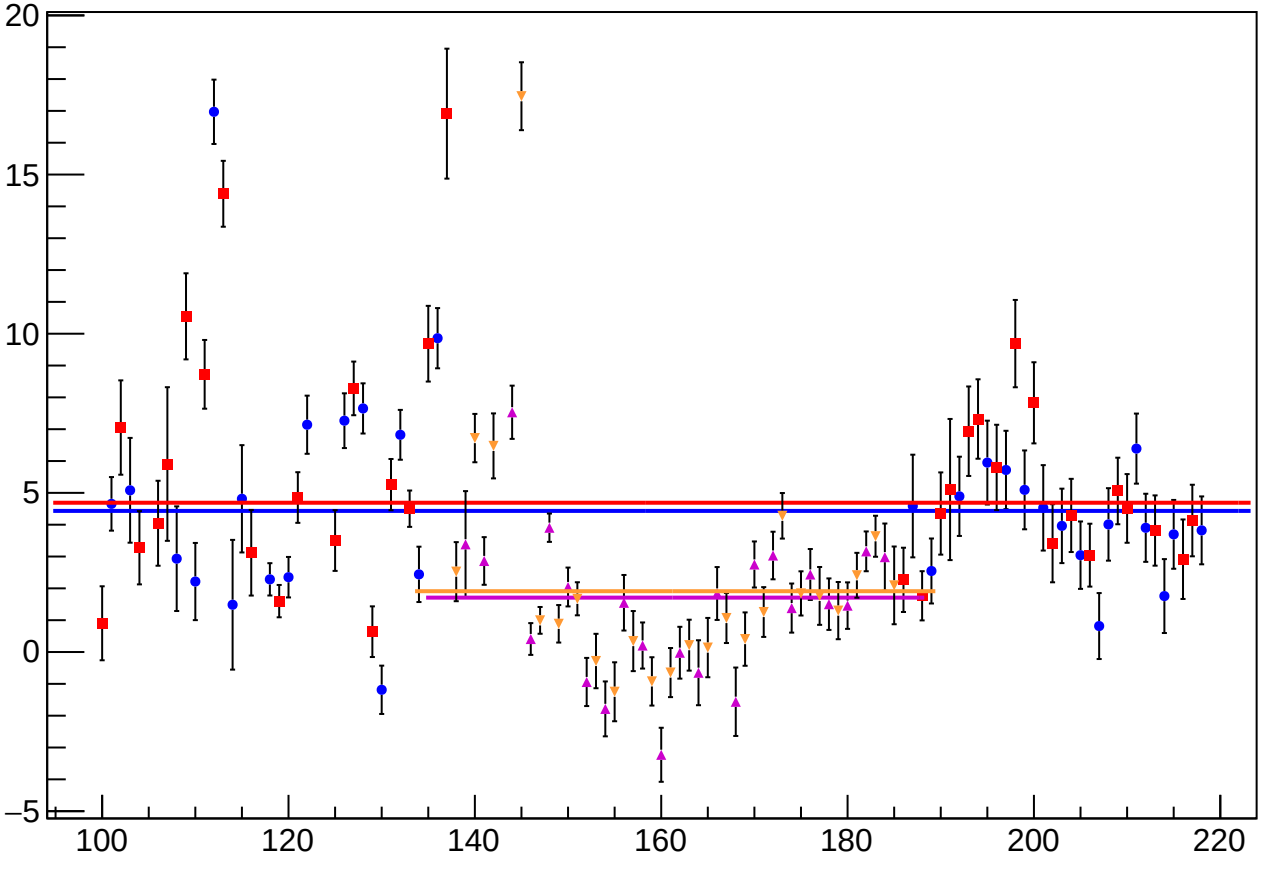
Left In: -38.921+/-0.204 χ^2/NDF:684.4/22

\+ sign -33.994+/-0.116 χ^2/NDF: 3317.9/55

All: -33.766+/-0.082 χ^2/NDF: 7823.5/113

\- sign -33.539+/-0.116 χ^2/NDF: 4497.9/57

reg_asym_left_dd_diff_bpm4aY_slope vs Slug



Right In: 4.433+/-0.175 χ^2/NDF: 357.8/31

Left Out: 1.911+/-0.152 χ^2/NDF:359.3/23

Right Out: 4.690+/-0.173 χ^2/NDF: 328.2/34

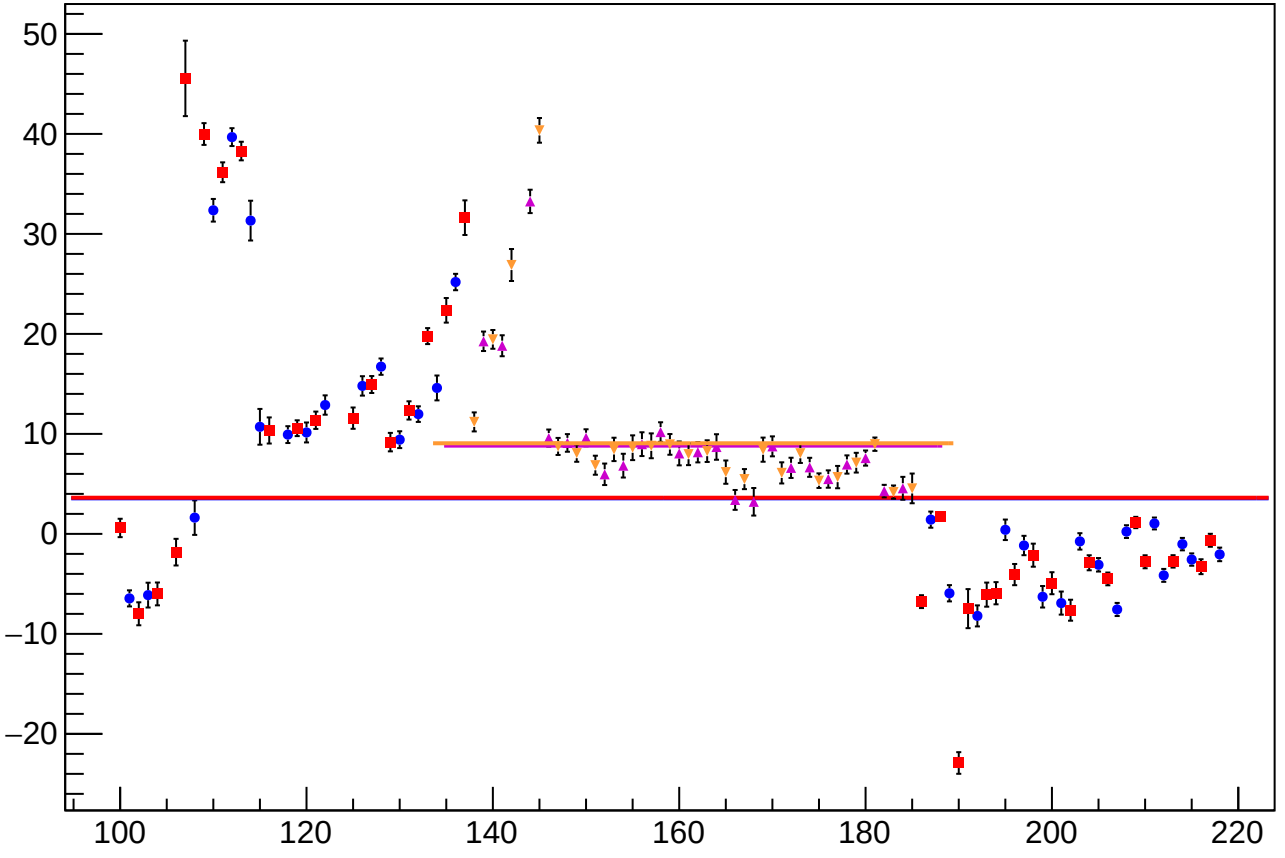
Left In: 1.709+/-0.155 χ^2/NDF:182.6/22

+ sign 2.999+/-0.115 χ^2/NDF: 835.2/55

All: 3.018+/-0.081 χ^2/NDF: 1510.9/113

- sign 3.038+/-0.115 χ^2/NDF: 675.6/57

reg_asym_left_dd_diff_bpm4eX_slope vs Slug



Right In: 3.555+/-0.149 χ^2/NDF: 5525.6/31

Left Out: 9.061+/-0.201 χ^2/NDF:1033.5/23

Right Out: 3.616+/-0.146 χ^2/NDF: 7245.8/34

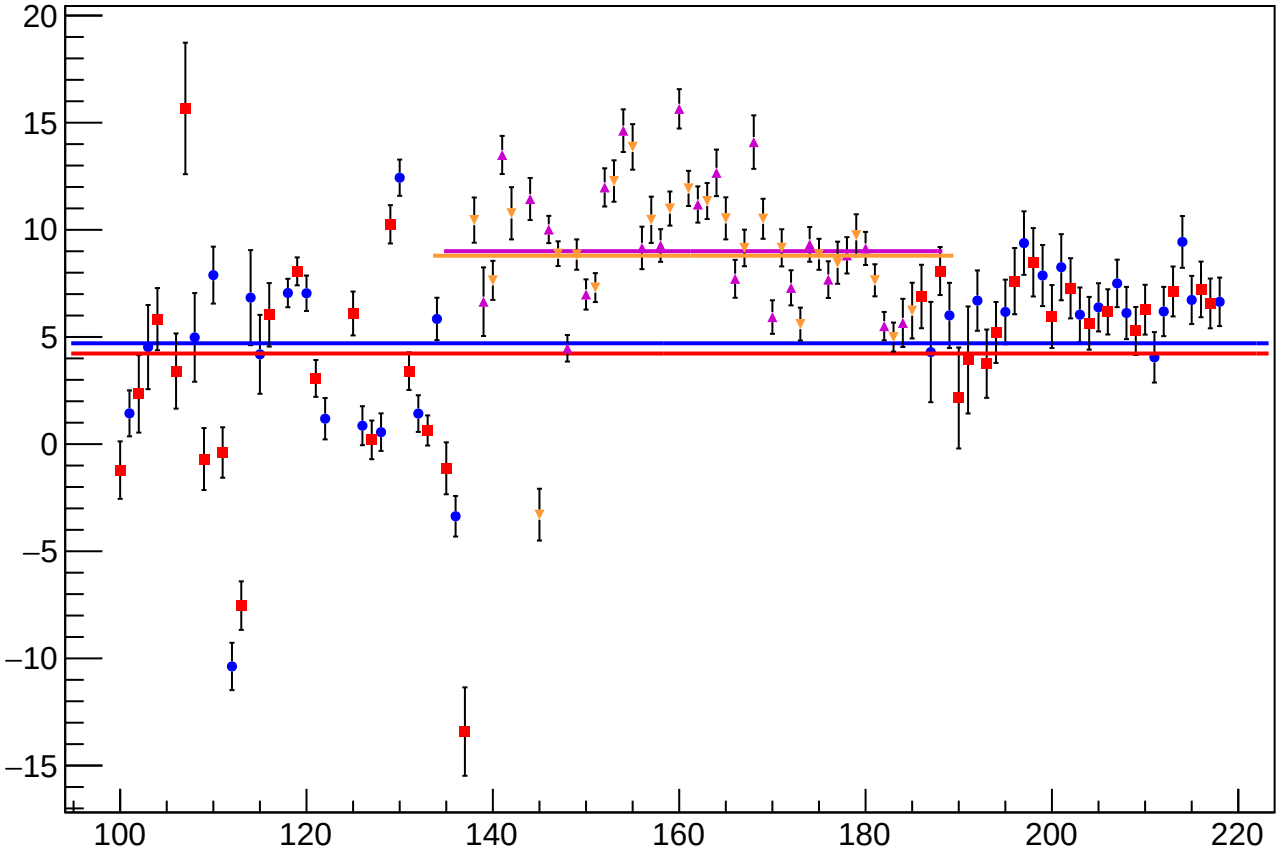
Left In: 8.826+/-0.202 χ^2/NDF:801.4/22

+ sign 5.510+/-0.120 χ^2/NDF: 7043.7/55

All: 5.456+/-0.084 χ^2/NDF: 15529.1/113

- sign 5.403+/-0.118 χ^2/NDF: 8484.9/57

reg_asym_left_dd_diff_bpm4eY_slope vs Slug



Right In: 4.705+/-0.200 χ^2/NDF: 507.5/31

Left Out: 8.793+/-0.174 χ^2/NDF:244.1/23

Right Out: 4.228+/-0.200 χ^2/NDF: 452.6/34

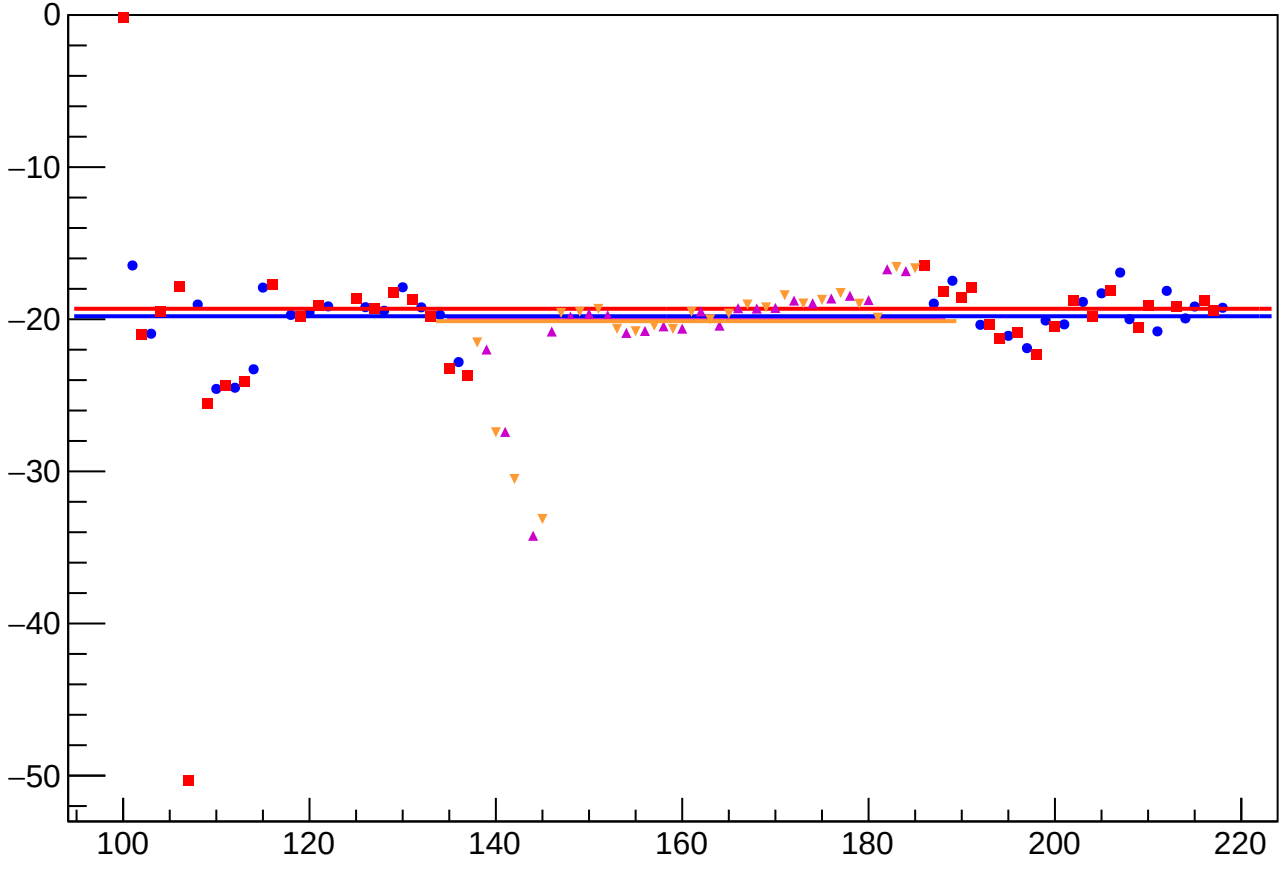
Left In: 9.004+/-0.176 χ^2/NDF:289.6/22

+ sign 7.032+/-0.131 χ^2/NDF: 989.7/55

All: 6.976+/-0.093 χ^2/NDF: 2053.7/113

- sign 6.919+/-0.132 χ^2/NDF: 1063.6/57

reg_asym_left_dd_diff_bpm12X_slope vs Slug



Right In: -19.802+/-0.010 χ^2/NDF: 32603.4/31

Left Out: -20.123+/-0.008 χ^2/NDF:158578.7/23

Right Out: -19.310+/-0.010 χ^2/NDF: 248154.0/34

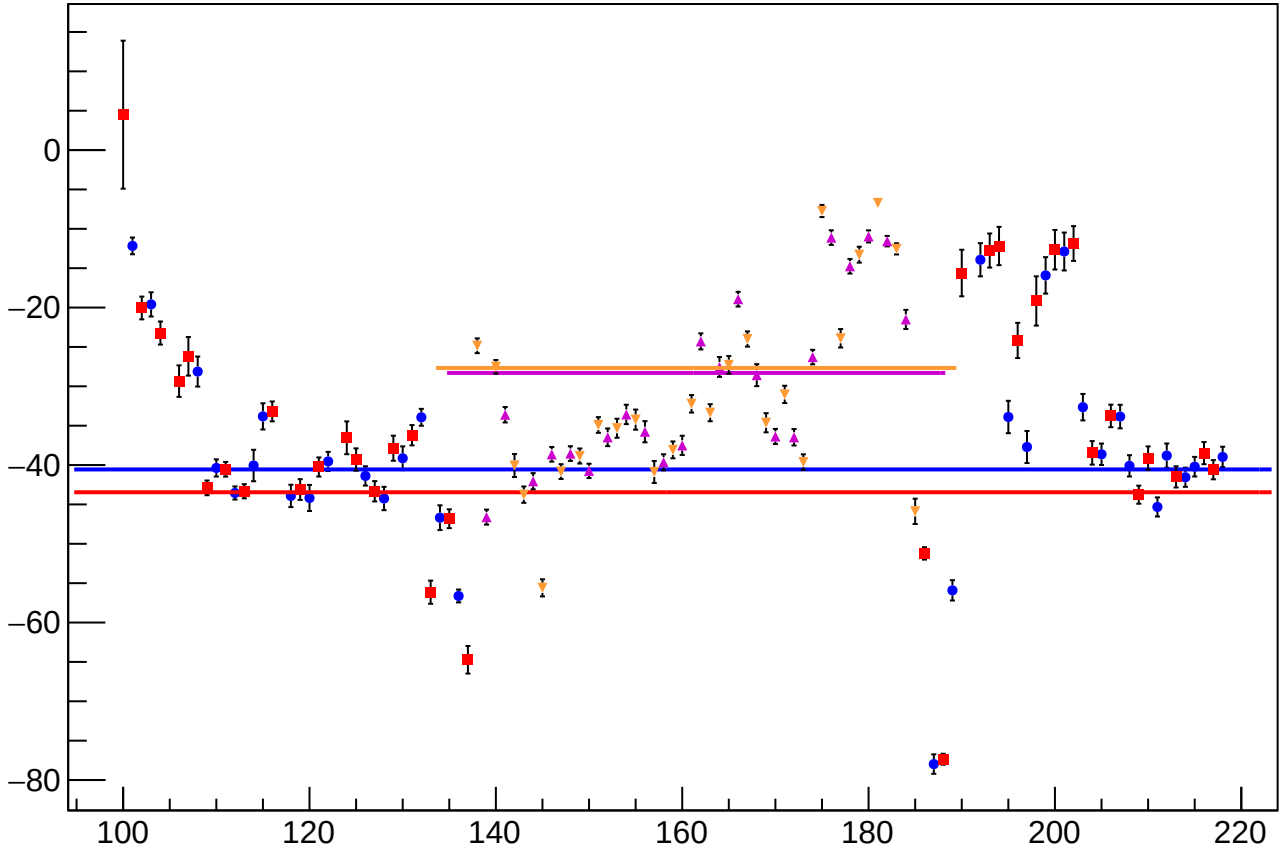
Left In: -20.063+/-0.008 χ^2/NDF:132690.0/22

+ sign -19.999+/-0.006 χ^2/NDF: 191813.6/55

All: -19.882+/-0.004 χ^2/NDF: 576941.8/113

- sign -19.766+/-0.006 χ^2/NDF: 384418.2/57

reg_asym_right_avg_diff_bpm1X_slope vs Slug



Right In: -40.556+/-0.238 χ^2/NDF: 2969.3/31

Left Out: -27.668+/-0.200 χ^2/NDF:4396.9/24

Right Out: -43.455+/-0.227 χ^2/NDF: 4457.2/34

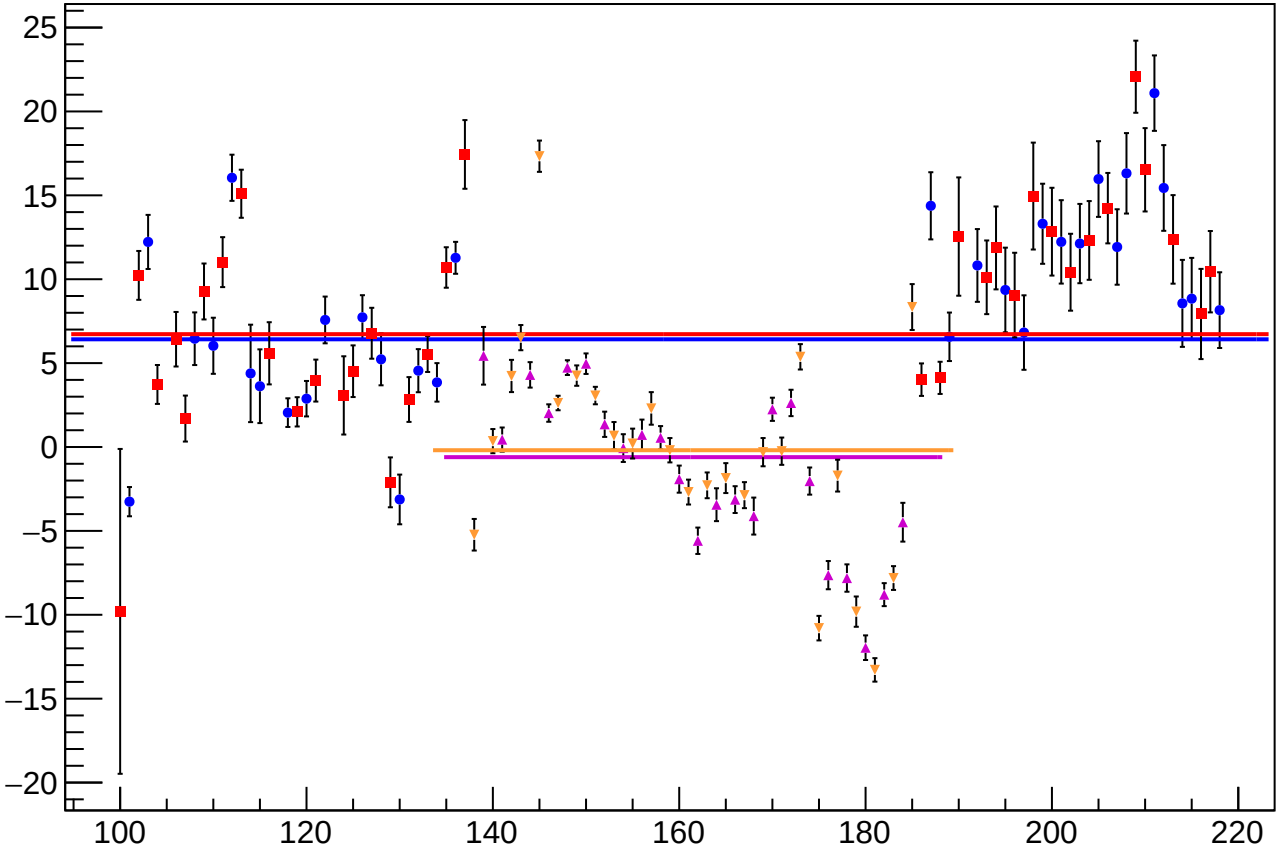
Left In: -28.303+/-0.206 χ^2/NDF:3273.4/22

+ sign -33.005+/-0.153 χ^2/NDF: 9078.0/56

All: -34.069+/-0.108 χ^2/NDF: 19344.7/114

- sign -35.122+/-0.153 χ^2/NDF: 10171.1/57

reg_asym_right_avg_diff_bpm4aY_slope vs Slug



Right In: 6.419+/-0.275 χ^2/NDF: 441.0/31

Left Out: -0.192+/-0.150 χ^2/NDF:1545.3/24

Right Out: 6.725+/-0.268 χ^2/NDF: 327.3/34

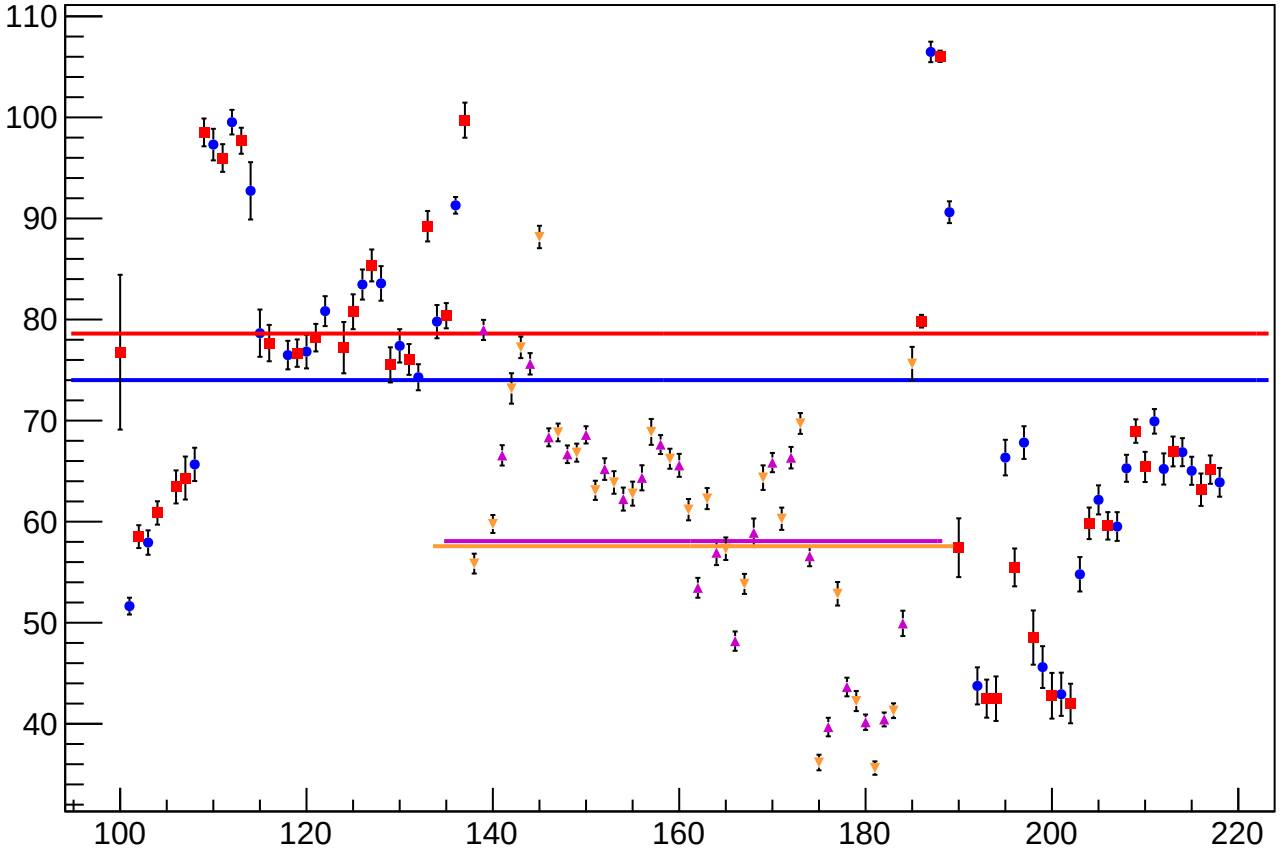
Left In: -0.605+/-0.155 χ^2/NDF:974.6/22

+ sign 1.329+/-0.132 χ^2/NDF: 2432.8/56

All: 1.285+/-0.094 χ^2/NDF: 4296.6/114

- sign 1.240+/-0.134 χ^2/NDF: 1863.6/57

reg_asym_right_avg_diff_bpm4eX_slope vs Slug



Right In: 74.007+/-0.245 χ^2/NDF: 4662.5/31

Left Out: 57.573+/-0.199 χ^2/NDF:4685.5/24

Right Out: 78.612+/-0.229 χ^2/NDF: 6221.9/34

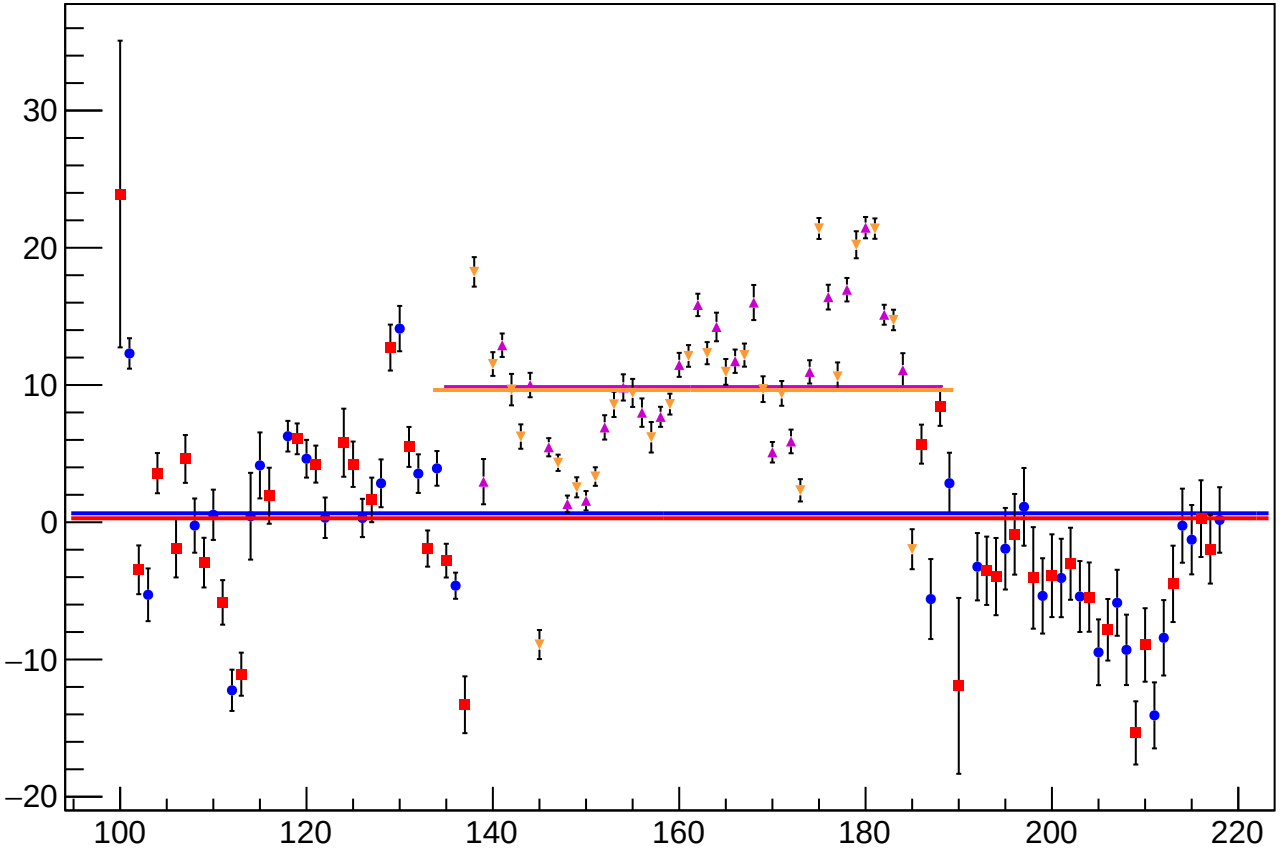
Left In: 58.080+/-0.203 χ^2/NDF:3558.6/22

\+ sign 64.093+/-0.155 χ^2/NDF: 12054.1/56

All: 65.627+/-0.108 χ^2/NDF: 26510.9/114

\- sign 67.117+/-0.152 χ^2/NDF: 14262.5/57

reg_asym_right_avg_diff_bpm4eY_slope vs Slug



Right In: 0.651+/-0.316 χ^2/NDF: 450.2/31

Left Out: 9.636+/-0.171 χ^2/NDF:1491.5/24

Right Out: 0.289+/-0.315 χ^2/NDF: 398.4/34

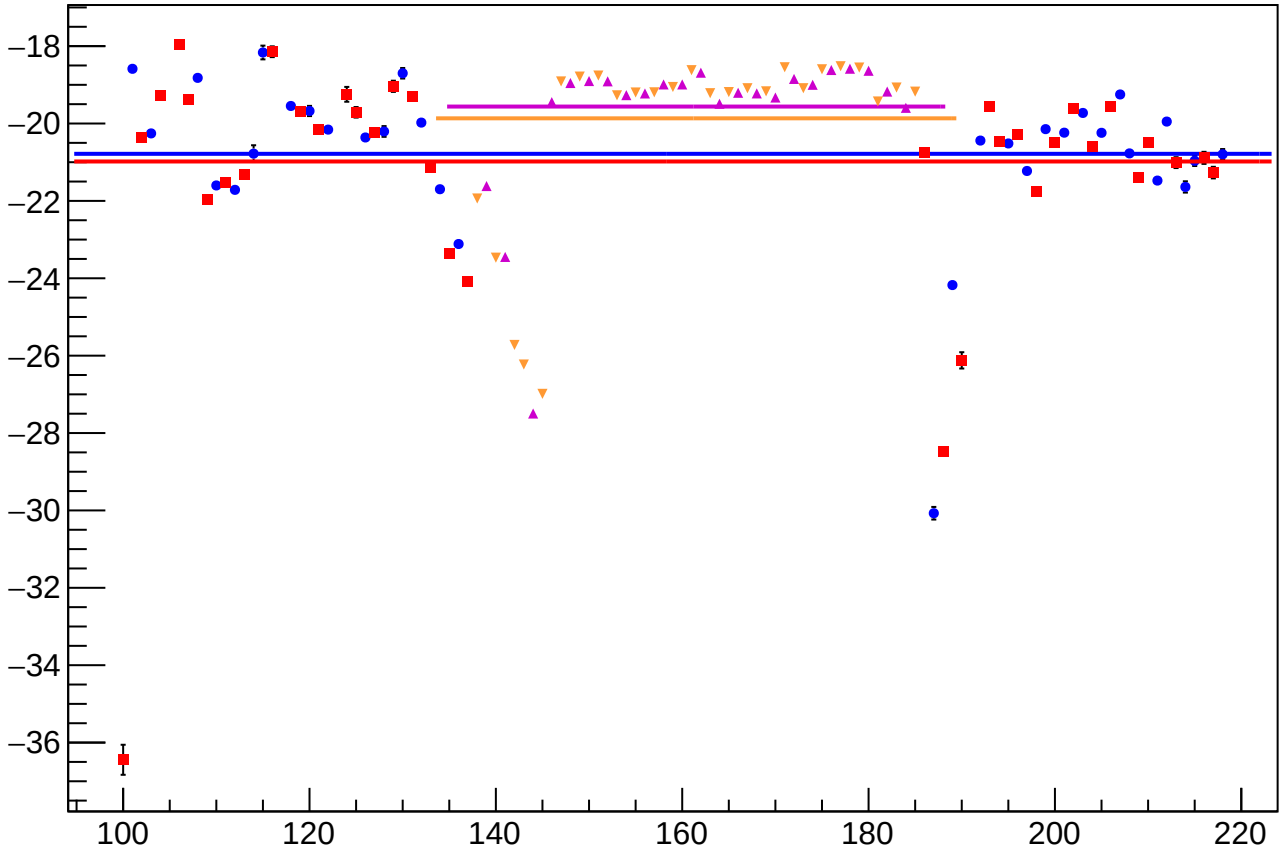
Left In: 9.849+/-0.176 χ^2/NDF:993.0/22

+ sign 7.597+/-0.151 χ^2/NDF: 2565.1/56

All: 7.585+/-0.108 χ^2/NDF: 4656.7/114

- sign 7.573+/-0.154 χ^2/NDF: 2091.6/57

reg_asym_right_avg_diff_bpm12X_slope vs Slug



Right In: -20.783+/-0.015 χ^2/NDF: 12654.3/31

Left Out: -19.866+/-0.008 χ^2/NDF:78894.3/24

Right Out: -20.981+/-0.016 χ^2/NDF: 20705.6/34

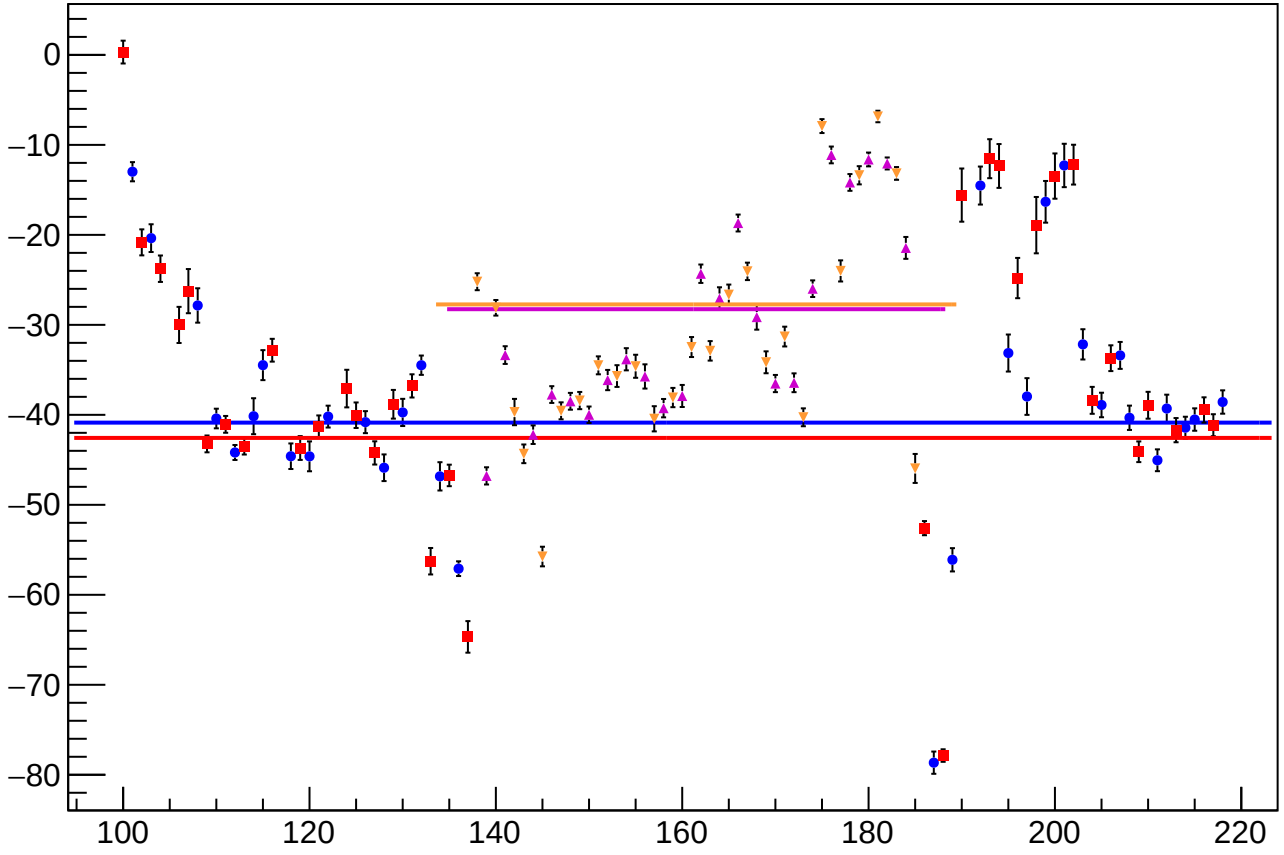
Left In: -19.562+/-0.008 χ^2/NDF:45172.6/22

+ sign -20.055+/-0.007 χ^2/NDF: 94345.7/56

All: -19.955+/-0.005 χ^2/NDF: 167164.3/114

- sign -19.853+/-0.007 χ^2/NDF: 72408.7/57

reg_asym_right_dd_diff_bpm1X_slope vs Slug



Right In: -40.866+/-0.239 χ^2/NDF: 2975.1/31

Left Out: -27.729+/-0.201 χ^2/NDF:4299.7/24

Right Out: -42.565+/-0.224 χ^2/NDF: 5652.1/34

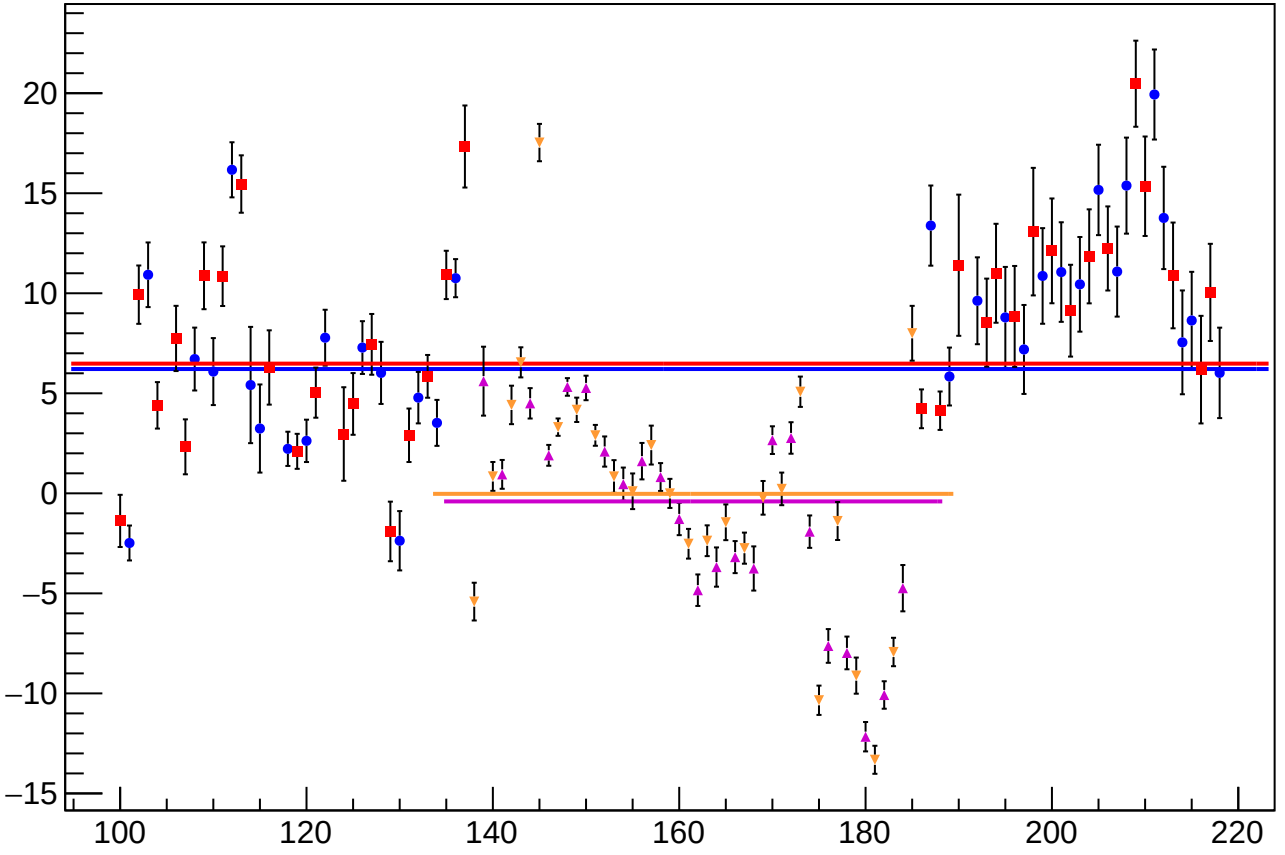
Left In: -28.260+/-0.206 χ^2/NDF:3172.7/22

+ sign -33.170+/-0.154 χ^2/NDF: 9048.2/56

All: -34.001+/-0.108 χ^2/NDF: 20135.8/114

- sign -34.812+/-0.152 χ^2/NDF: 11029.8/57

reg_asym_right_dd_diff_bpm4aY_slope vs Slug



Right In: 6.213+/-0.275 χ^2/NDF: 369.7/31

Left Out: -0.026+/-0.150 χ^2/NDF:1531.8/24

Right Out: 6.483+/-0.263 χ^2/NDF: 322.5/34

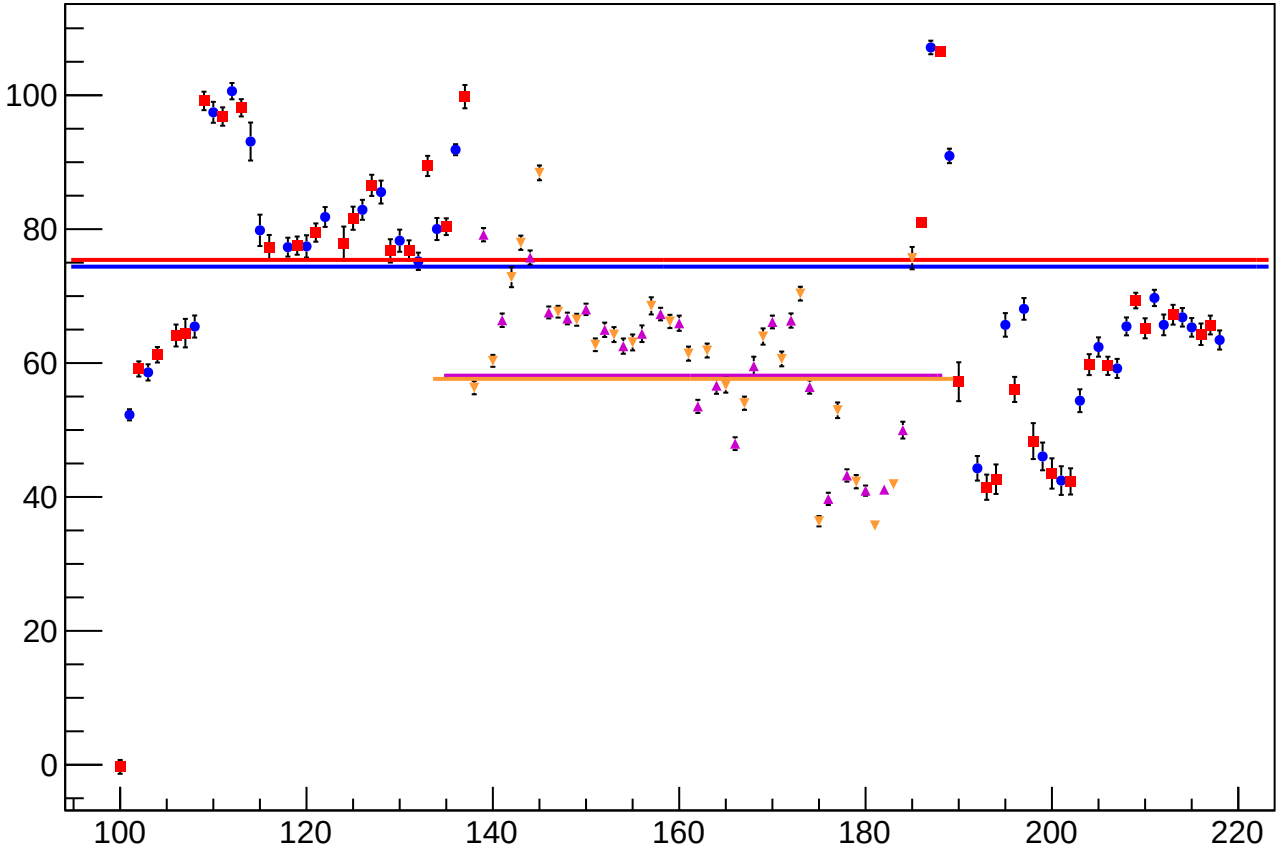
Left In: -0.404+/-0.155 χ^2/NDF:1084.1/22

+ sign 1.410+/-0.132 χ^2/NDF: 2298.0/56

All: 1.397+/-0.094 χ^2/NDF: 4214.0/114

- sign 1.383+/-0.134 χ^2/NDF: 1916.0/57

reg_asym_right_dd_diff_bpm4eX_slope vs Slug



Right In: 74.400+/-0.246 χ^2/NDF: 4742.6/31

Left Out: 57.638+/-0.199 χ^2/NDF:4612.7/24

Right Out: 75.409+/-0.224 χ^2/NDF: 11912.5/34

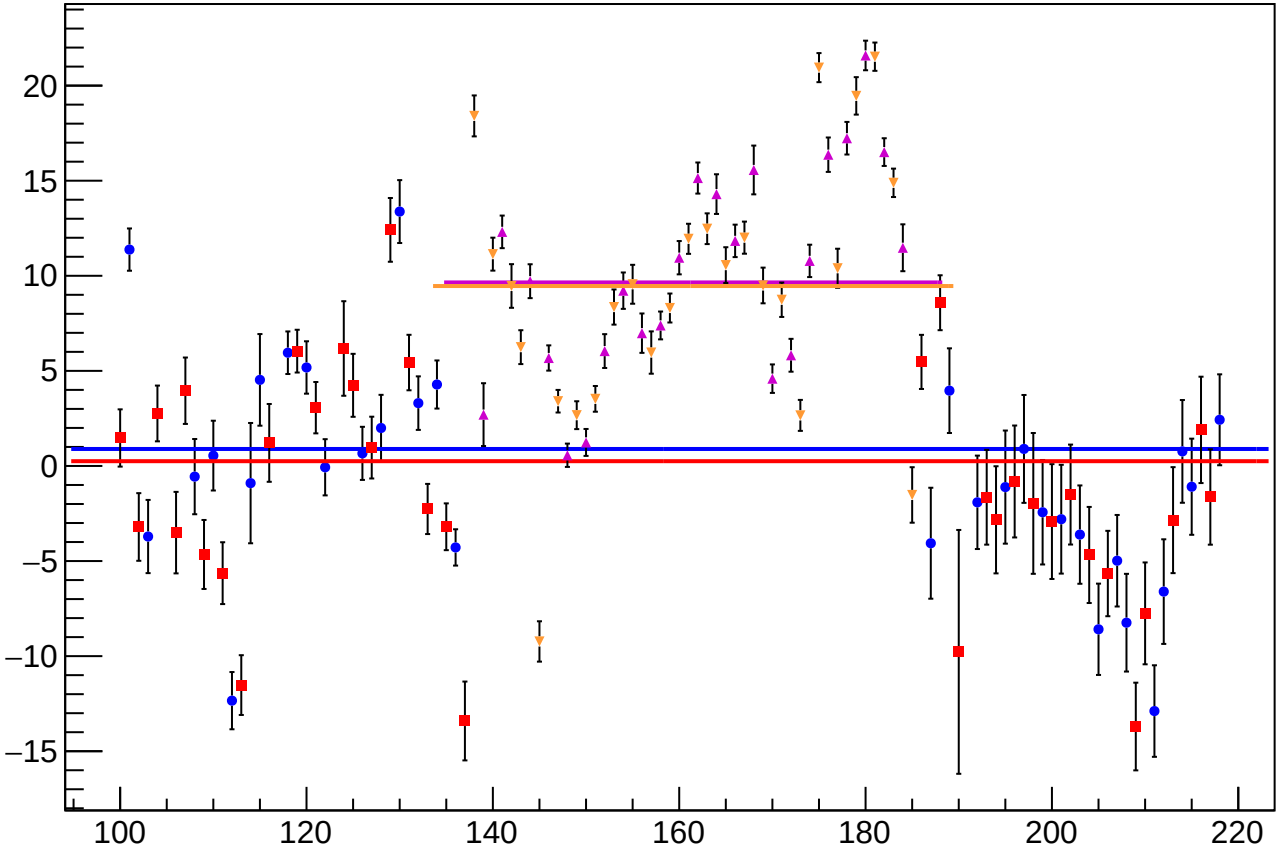
Left In: 58.117+/-0.204 χ^2/NDF:3443.9/22

+ sign 64.288+/-0.155 χ^2/NDF: 12162.7/56

All: 65.133+/-0.108 χ^2/NDF: 30830.4/114

- sign 65.935+/-0.151 χ^2/NDF: 18609.6/57

reg_asym_right_dd_diff_bpm4eY_slope vs Slug



Right In: 0.893+/-0.317 χ^2/NDF: 390.9/31

Left Out: 9.461+/-0.172 χ^2/NDF:1483.1/24

Right Out: 0.251+/-0.309 χ^2/NDF: 365.9/34

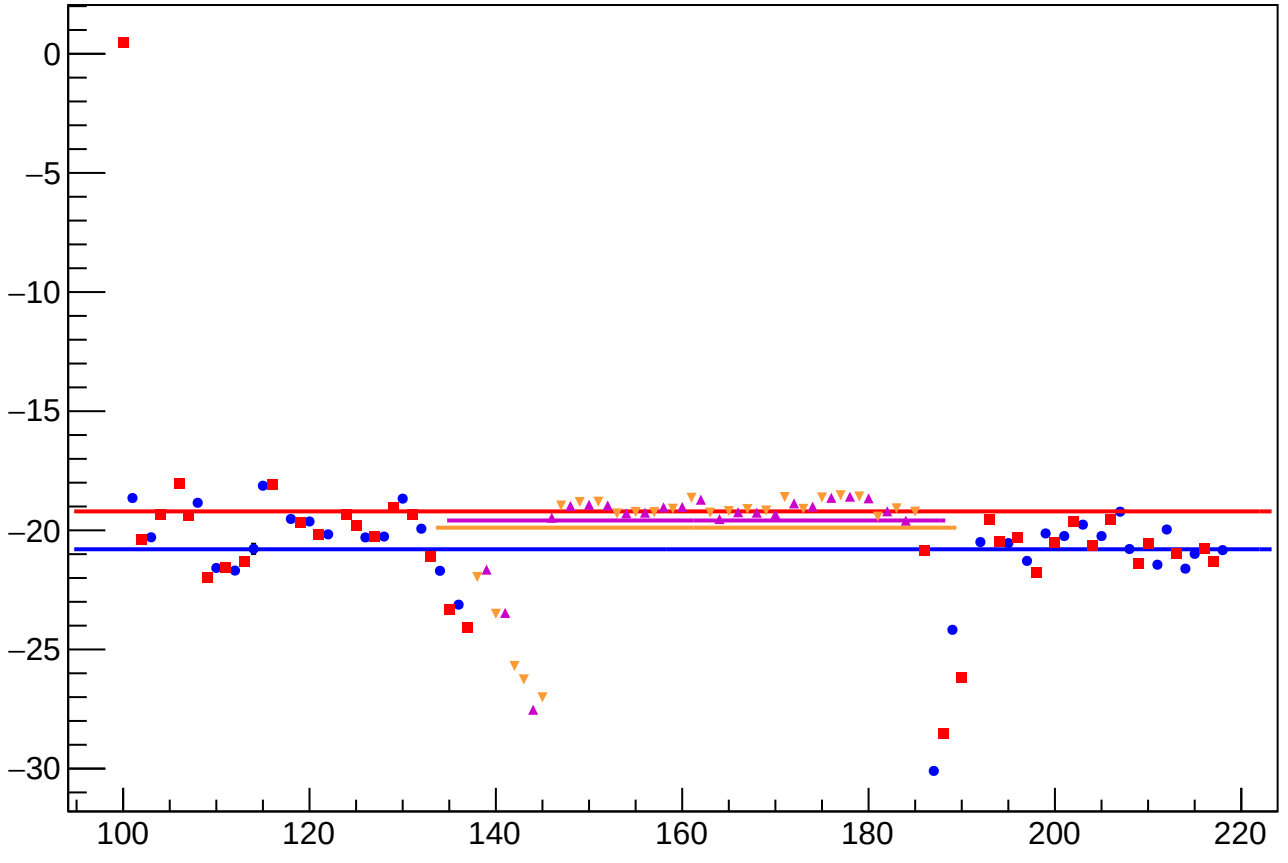
Left In: 9.650+/-0.177 χ^2/NDF:1078.5/22

+ sign 7.517+/-0.151 χ^2/NDF: 2439.3/56

All: 7.429+/-0.108 χ^2/NDF: 4581.2/114

- sign 7.338+/-0.153 χ^2/NDF: 2141.1/57

reg_asym_right_dd_diff_bpm12X_slope vs Slug



Right In: -20.795+/-0.015 χ^2/NDF: 12535.3/31

Left Out: -19.889+/-0.008 χ^2/NDF:78512.6/24

Right Out: -19.205+/-0.015 χ^2/NDF: 172937.3/34

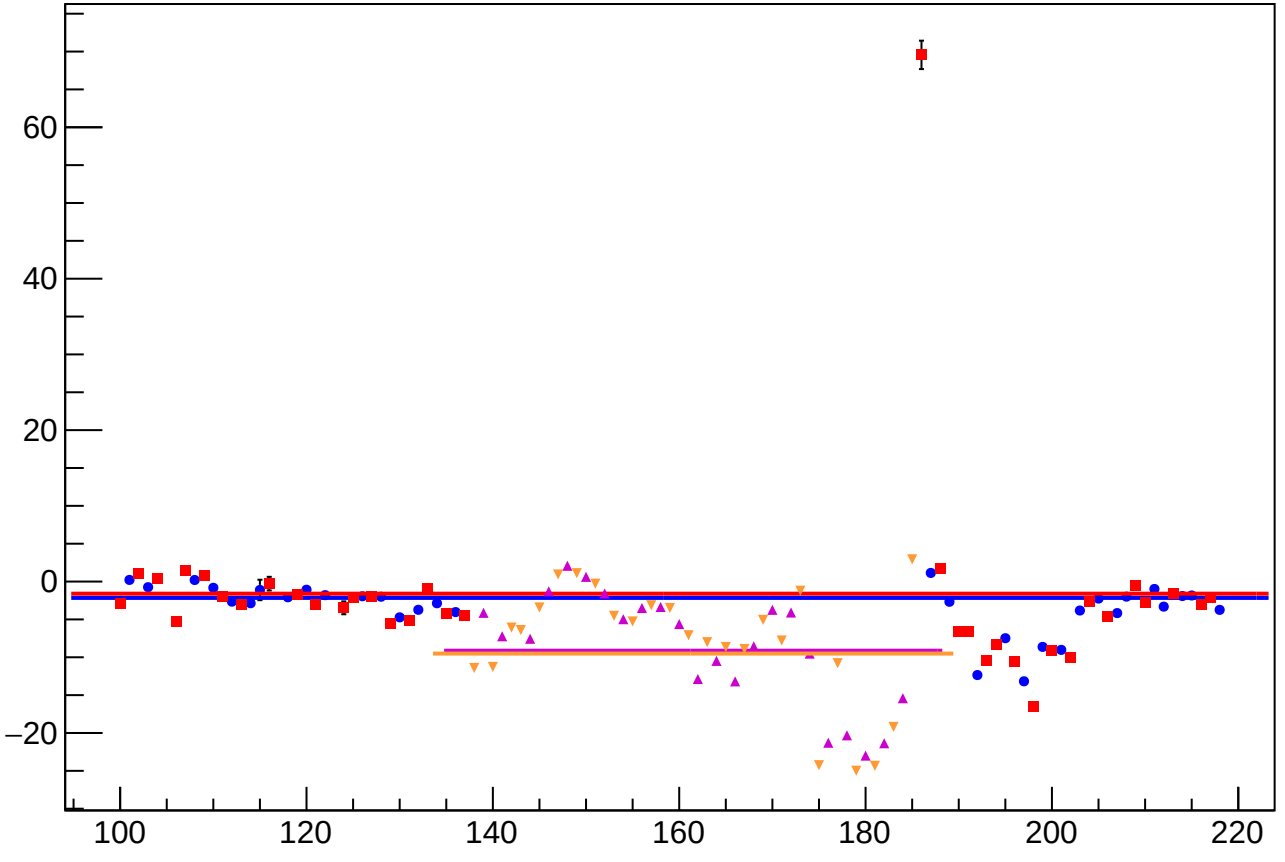
Left In: -19.586+/-0.008 χ^2/NDF:45085.3/22

+ sign -20.075+/-0.007 χ^2/NDF: 93770.5/56

All: -19.790+/-0.005 χ^2/NDF: 315610.0/114

- sign -19.503+/-0.007 χ^2/NDF: 218524.9/57

reg_asym_sam_15_avg_diff_bpm1X_slope vs Slug



Right In: -2.159+/-0.047 χ^2/NDF: 3393.0/31

Left Out: -9.512+/-0.073 χ^2/NDF:12916.4/24

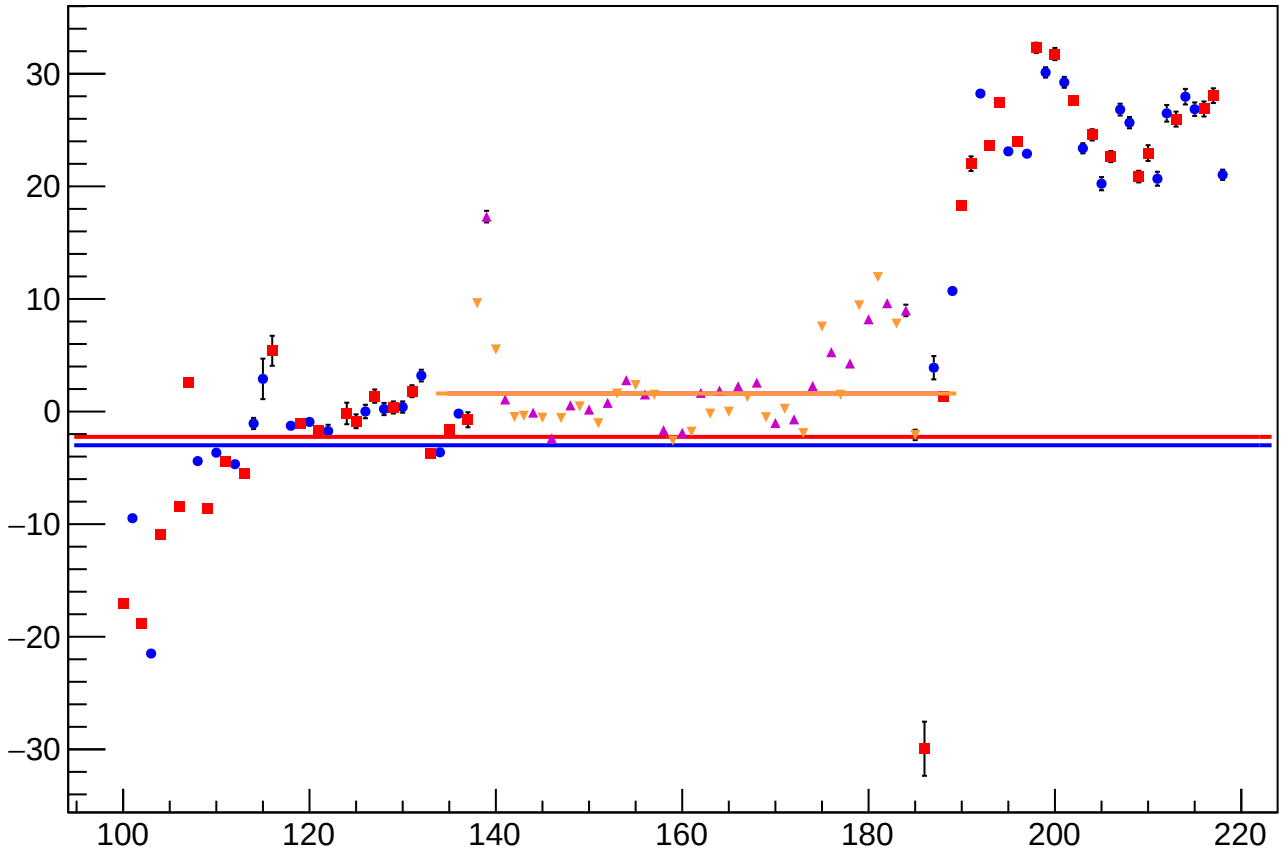
Right Out: -1.600+/-0.044 χ^2/NDF: 6989.6/35

Left In: -9.131+/-0.075 χ^2/NDF:10390.6/22

+ sign -4.302+/-0.039 χ^2/NDF: 23569.8/56

All: -3.893+/-0.027 χ^2/NDF: 48724.1/115

- sign -3.515+/-0.038 χ^2/NDF: 24944.7/58



Right In: -2.994+/-0.052 χ^2/NDF: 71942.7/31

Left Out: 1.606+/-0.055 χ^2/NDF:4677.2/24

Right Out: -2.246+/-0.051 χ^2/NDF: 72700.8/35

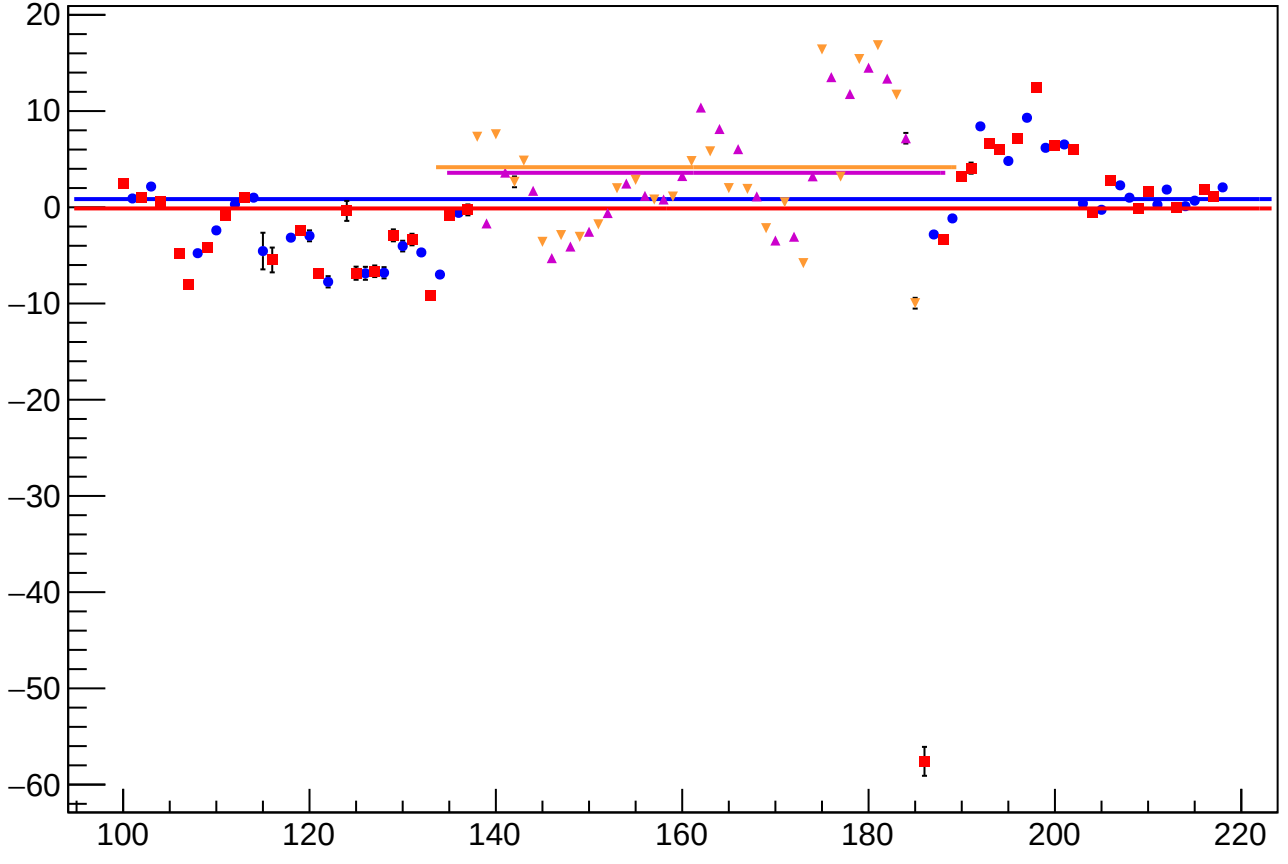
Left In: 1.605+/-0.058 χ^2/NDF:3656.4/22

+ sign -0.844+/-0.038 χ^2/NDF: 80321.1/56

All: -0.696+/-0.027 χ^2/NDF: 159196.3/115

- sign -0.543+/-0.038 χ^2/NDF: 78844.0/58

reg_asym_sam_15_avg_diff_bpm4eX_slope vs Slug



Right In: 0.853+/-0.045 χ^2/NDF: 4200.0/31

Left Out: 4.167+/-0.072 χ^2/NDF:9246.5/24

Right Out: -0.119+/-0.044 χ^2/NDF: 8264.3/35

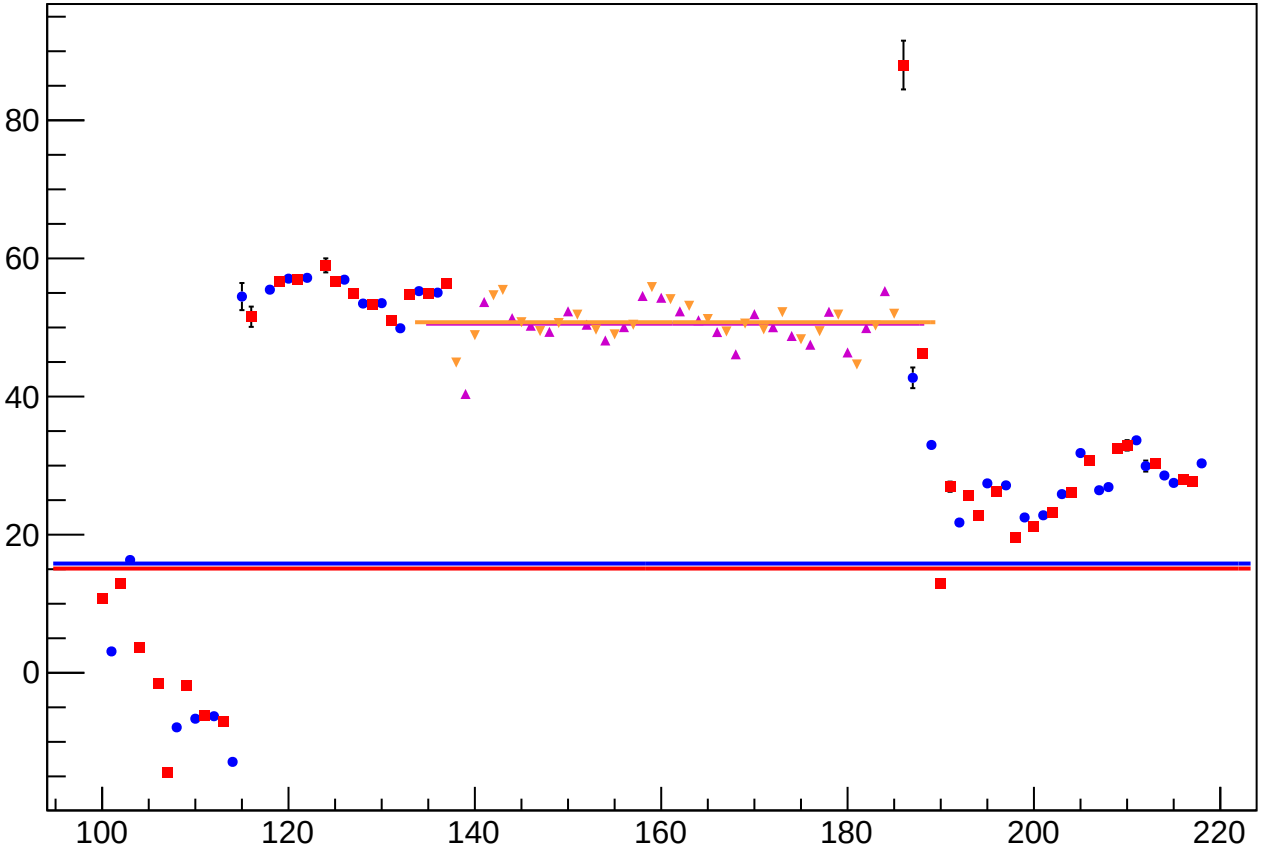
Left In: 3.584+/-0.074 χ^2/NDF:7228.4/22

+ sign 1.788+/-0.038 χ^2/NDF: 14963.4/56

All: 1.319+/-0.027 χ^2/NDF: 32599.8/115

- sign 0.857+/-0.038 χ^2/NDF: 17339.0/58

reg_asym_sam_15_avg_diff_bpm4eY_slope vs Slug



Right In: 15.818+/-0.061 χ^2/NDF: 117485.5/31

Left Out: 50.761+/-0.062 χ^2/NDF:1748.6/24

Right Out: 15.095+/-0.061 χ^2/NDF: 133568.6/35

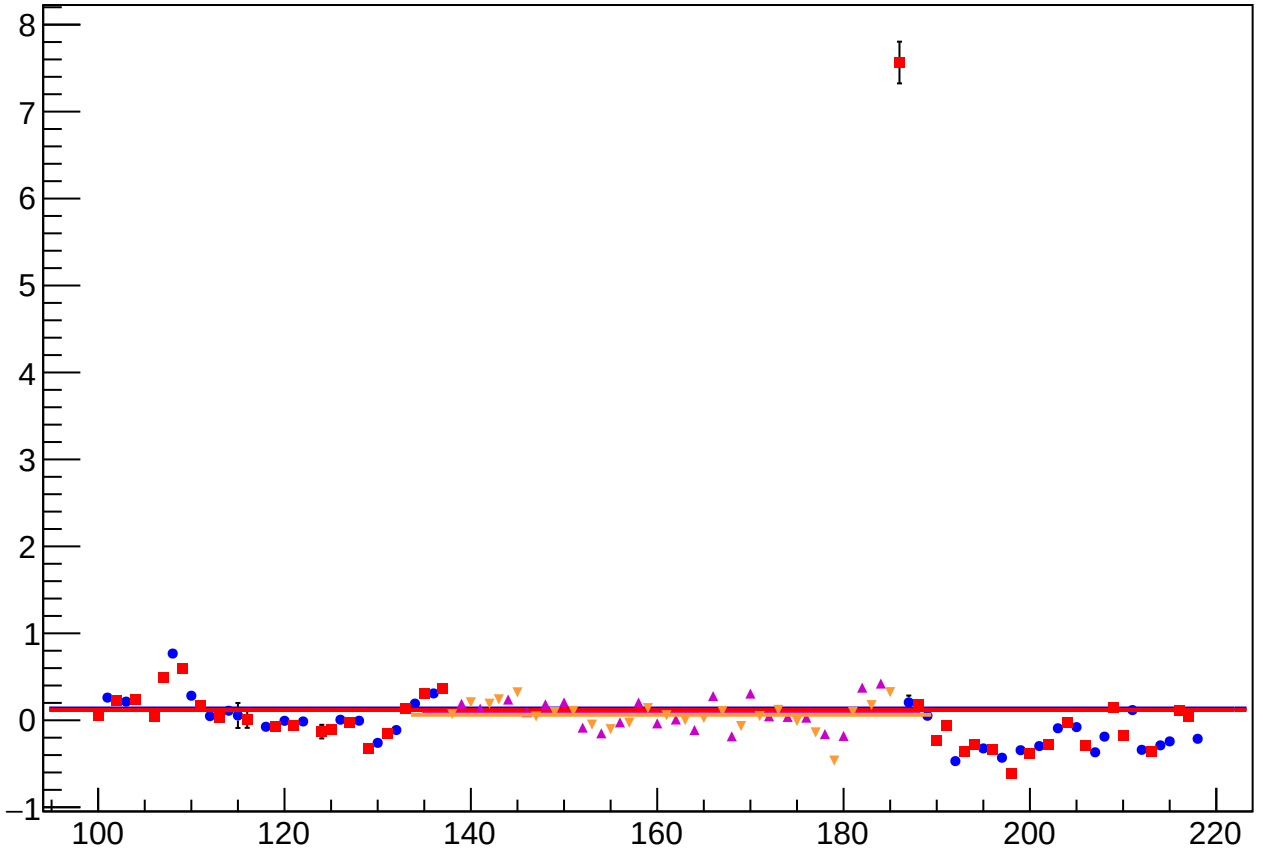
Left In: 50.550+/-0.065 χ^2/NDF:1717.7/22

+ sign 32.923+/-0.044 χ^2/NDF: 279117.9/56

All: 32.308+/-0.031 χ^2/NDF: 574336.8/115

- sign 31.675+/-0.044 χ^2/NDF: 294816.2/58

reg_asym_sam_15_avg_diff_bpm12X_slope vs Slug



Right In: 0.136+/-0.002 χ^2/NDF: 14091.3/31

Left Out: 0.063+/-0.003 χ^2/NDF:2566.7/24

Right Out: 0.118+/-0.002 χ^2/NDF: 13207.8/35

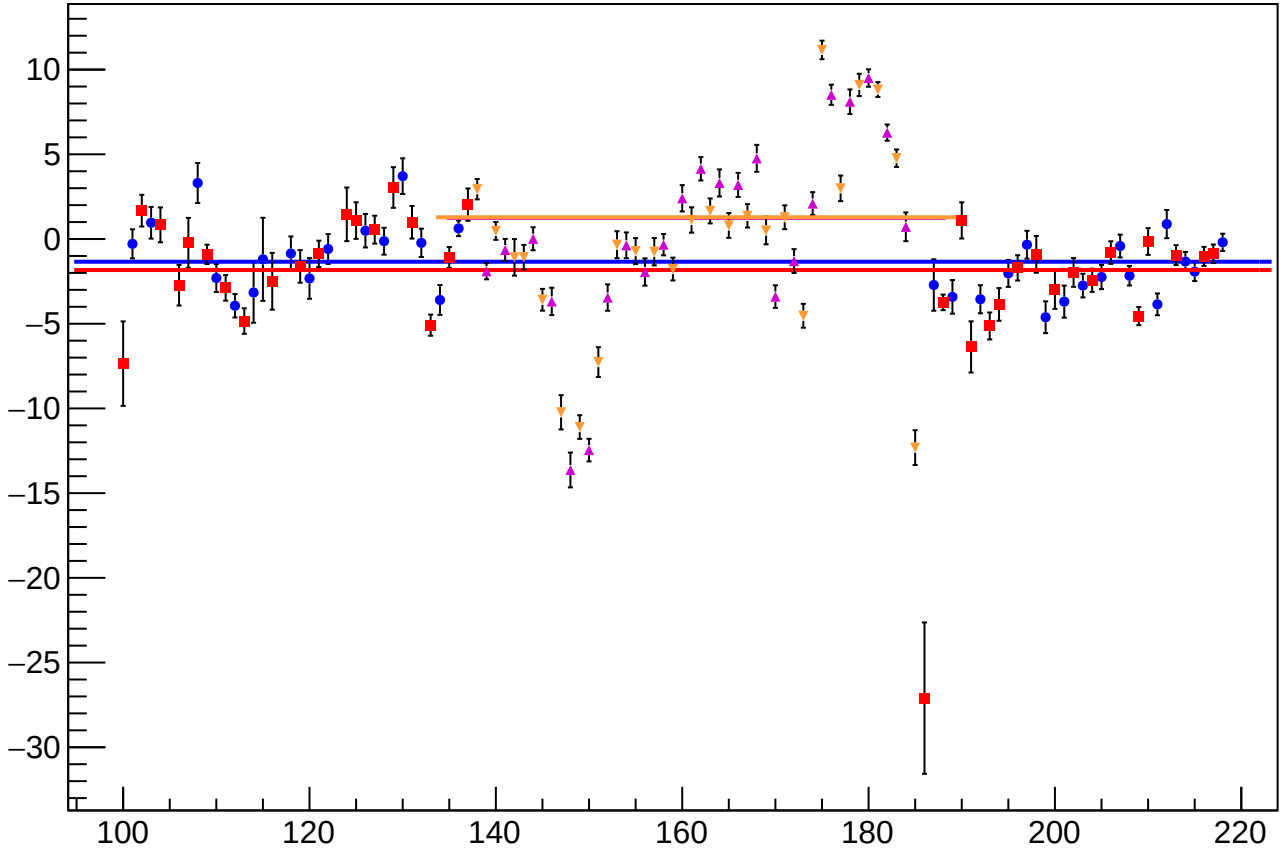
Left In: 0.080+/-0.003 χ^2/NDF:3446.5/22

+ sign 0.104+/-0.002 χ^2/NDF: 17036.8/56

All: 0.103+/-0.001 χ^2/NDF: 33800.7/115

- sign 0.102+/-0.002 χ^2/NDF: 16763.3/58

reg_asym_sam_15_dd_diff_bpm1X_slope vs Slug



Right In: -1.340+/-0.138 χ^2/NDF: 167.9/31

Left Out: 1.283+/-0.137 χ^2/NDF:1715.5/24

Right Out: -1.830+/-0.133 χ^2/NDF: 269.7/35

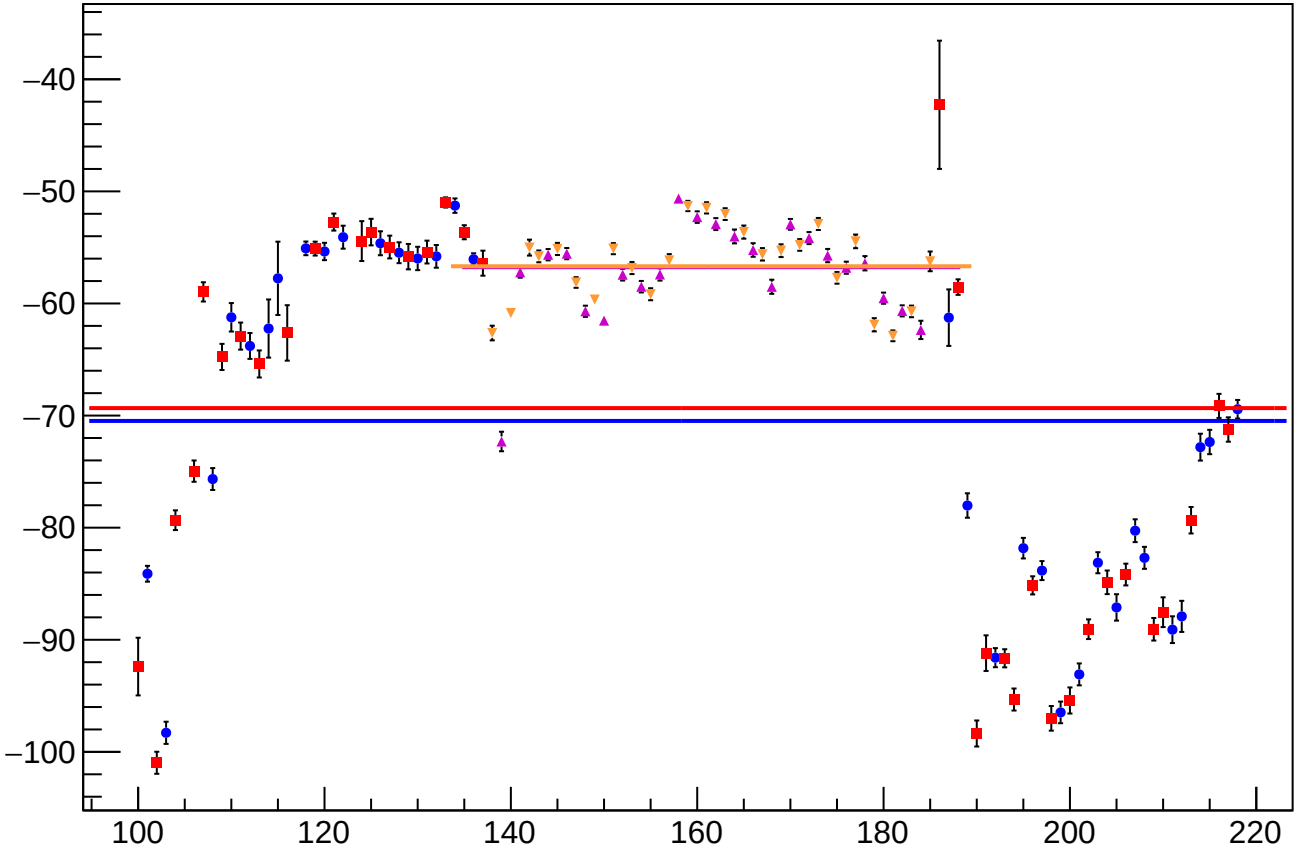
Left In: 1.247+/-0.140 χ^2/NDF:1512.4/22

+ sign -0.022+/-0.097 χ^2/NDF: 2065.9/56

All: -0.198+/-0.068 χ^2/NDF: 4107.2/115

- sign -0.372+/-0.097 χ^2/NDF: 2034.7/58

reg_asym_sam_15_dd_diff_bpm4aY_slope vs Slug



Right In: -70.478+/-0.167 χ^2/NDF: 8457.3/31

Left Out: -56.680+/-0.107 χ^2/NDF:1014.5/24

Right Out: -69.333+/-0.159 χ^2/NDF: 11299.9/35

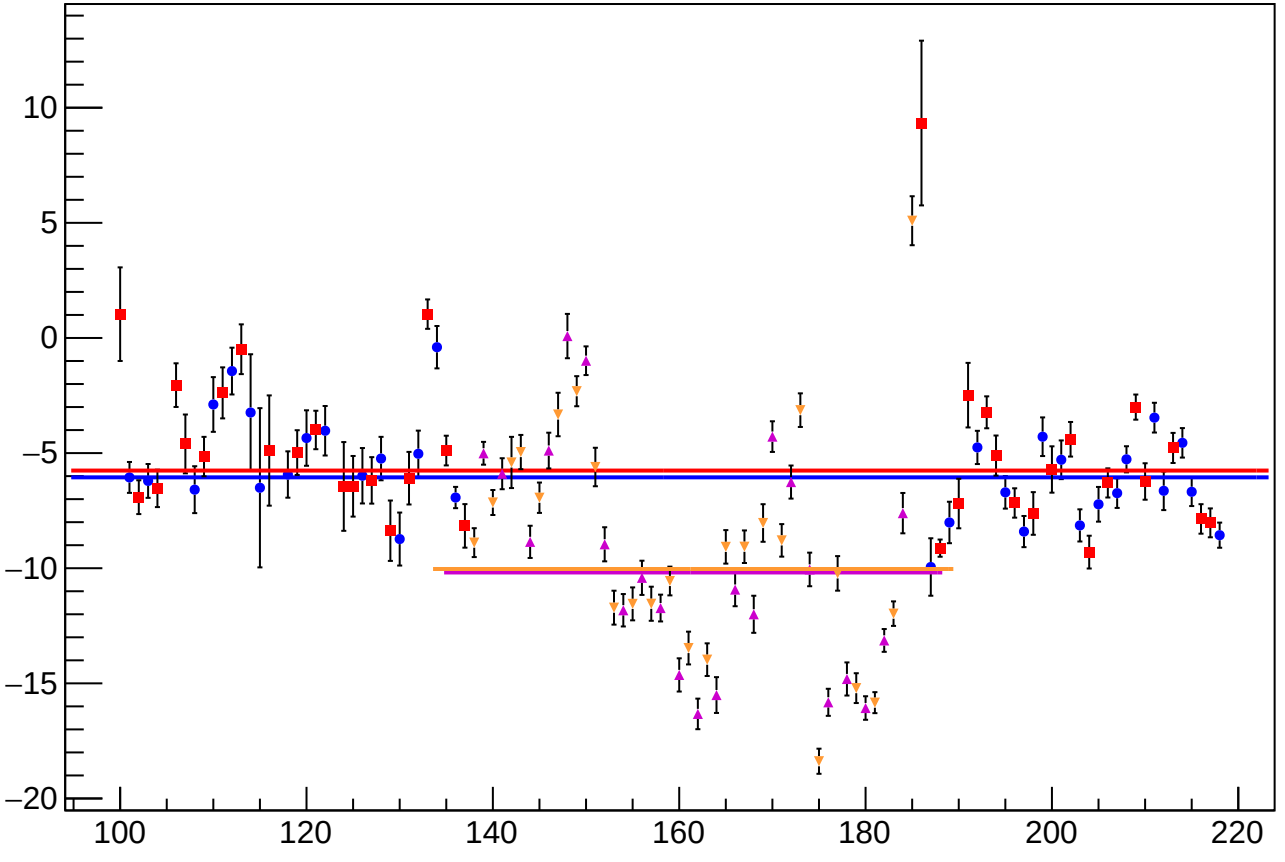
Left In: -56.765+/-0.112 χ^2/NDF:1108.9/22

+ sign -60.720+/-0.090 χ^2/NDF: 14320.5/56

All: -60.824+/-0.064 χ^2/NDF: 30910.2/115

- sign -60.932+/-0.092 χ^2/NDF: 16586.9/58

reg_asym_sam_15_dd_diff_bpm4eX_slope vs Slug



Right In: -6.053+/-0.140 χ^2/NDF: 178.0/31

Left Out: -10.034+/-0.136 χ^2/NDF:1182.4/24

Right Out: -5.759+/-0.134 χ^2/NDF: 405.5/35

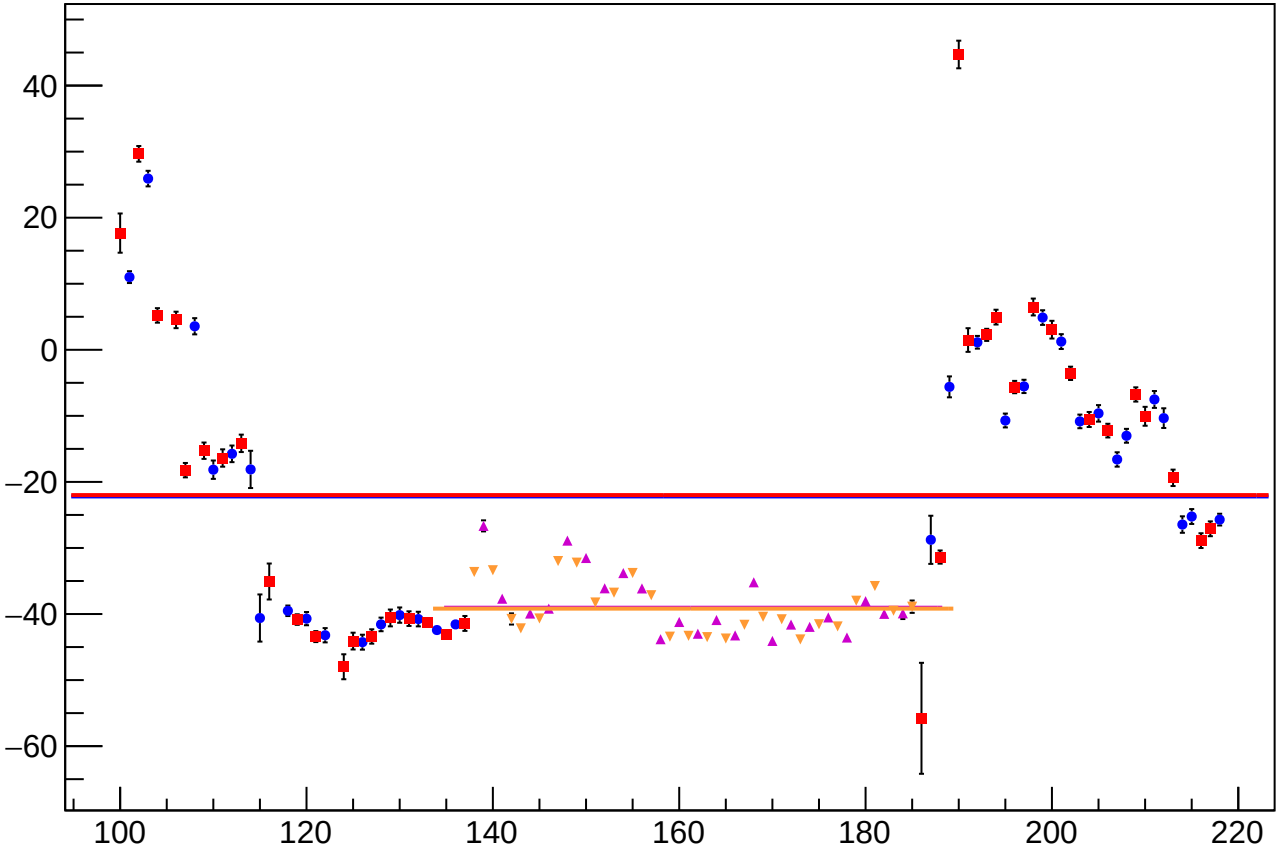
Left In: -10.184+/-0.139 χ^2/NDF:1142.6/22

+ sign -8.093+/-0.097 χ^2/NDF: 1776.8/56

All: -7.993+/-0.069 χ^2/NDF: 3850.4/115

- sign -7.895+/-0.097 χ^2/NDF: 2071.5/58

reg_asym_sam_15_dd_diff_bpm4eY_slope vs Slug



Right In: -22.198+/-0.188 χ^2/NDF: 10751.6/31

Left Out: -39.183+/-0.120 χ^2/NDF:1034.1/24

Right Out: -21.995+/-0.183 χ^2/NDF: 13009.4/35

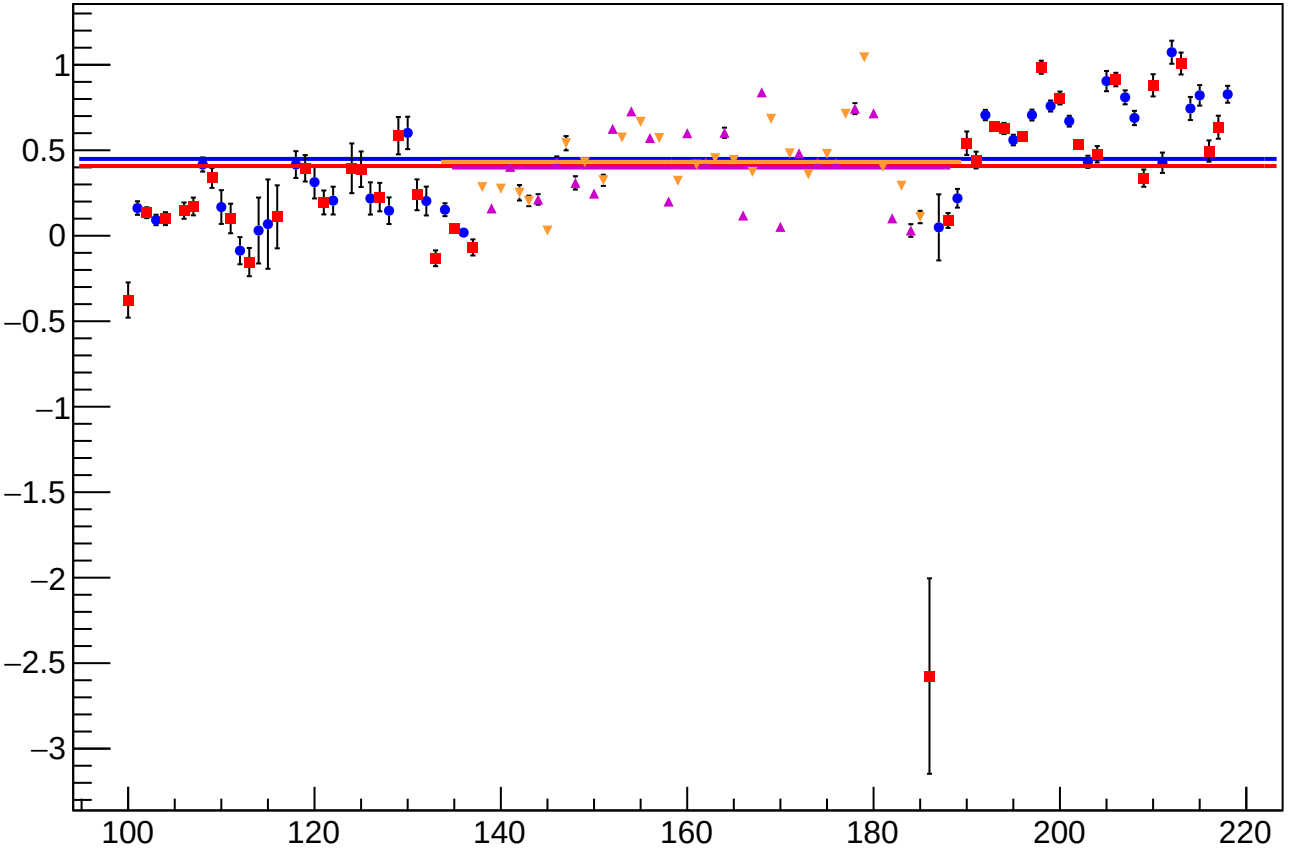
Left In: -39.044+/-0.124 χ^2/NDF:1226.4/22

+ sign -34.277+/-0.101 χ^2/NDF: 17571.9/56

All: -33.978+/-0.072 χ^2/NDF: 37762.1/115

- sign -33.669+/-0.103 χ^2/NDF: 20172.5/58

reg_asym_sam_15_dd_diff_bpm12X_slope vs Slug



Right In: 0.449+/-0.008 χ^2/NDF: 1438.8/31

Left Out: 0.432+/-0.005 χ^2/NDF:1368.7/24

Right Out: 0.408+/-0.008 χ^2/NDF: 1697.9/35

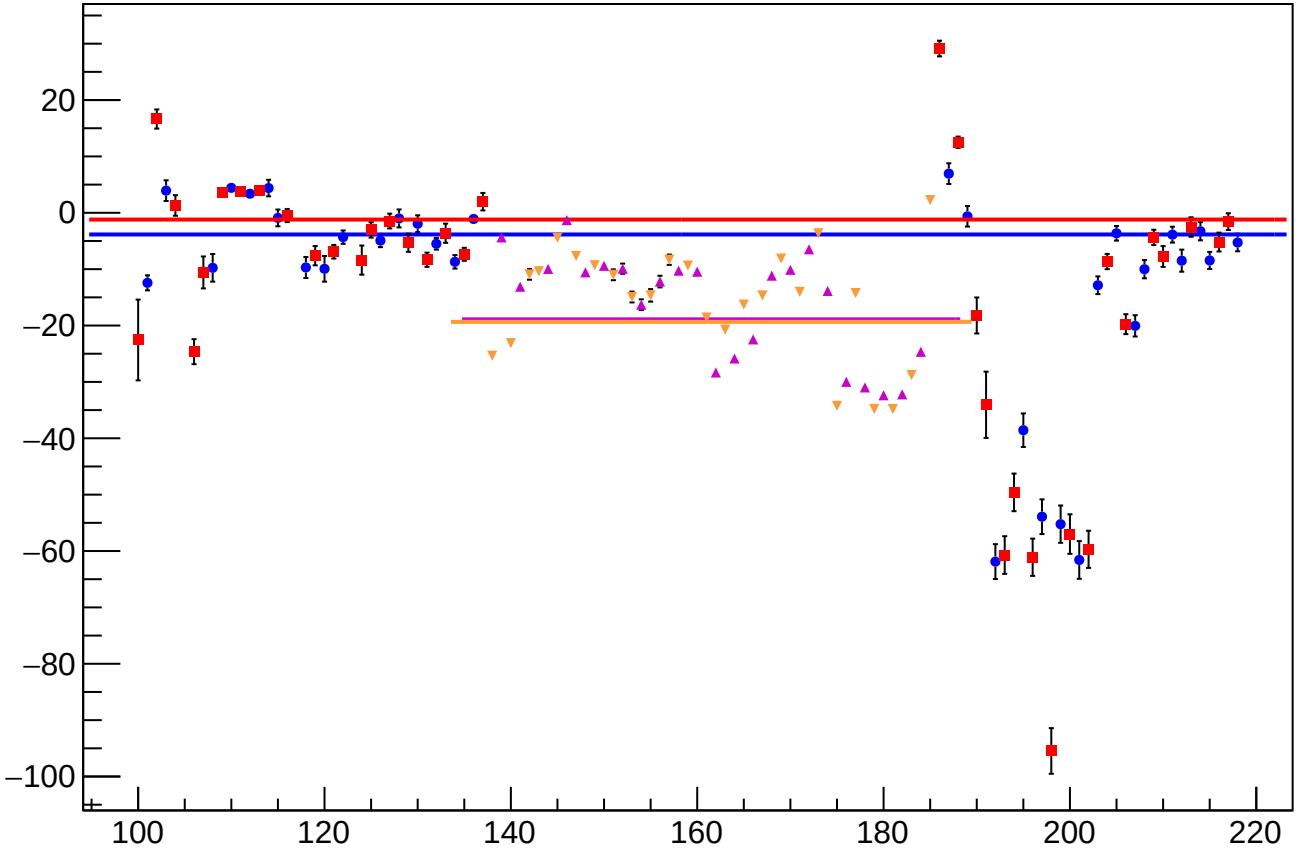
Left In: 0.399+/-0.005 χ^2/NDF:1923.8/22

+ sign 0.438+/-0.004 χ^2/NDF: 2810.7/56

All: 0.420+/-0.003 χ^2/NDF: 6465.9/115

- sign 0.402+/-0.004 χ^2/NDF: 3622.5/58

reg_asym_sam_37_avg_diff_bpm1X_slope vs Slug



Right In: -3.845+/-0.239 χ^2/NDF: 1895.0/31

Left Out: -19.347+/-0.113 χ^2/NDF:10394.7/24

Right Out: -1.198+/-0.229 χ^2/NDF: 3400.2/35

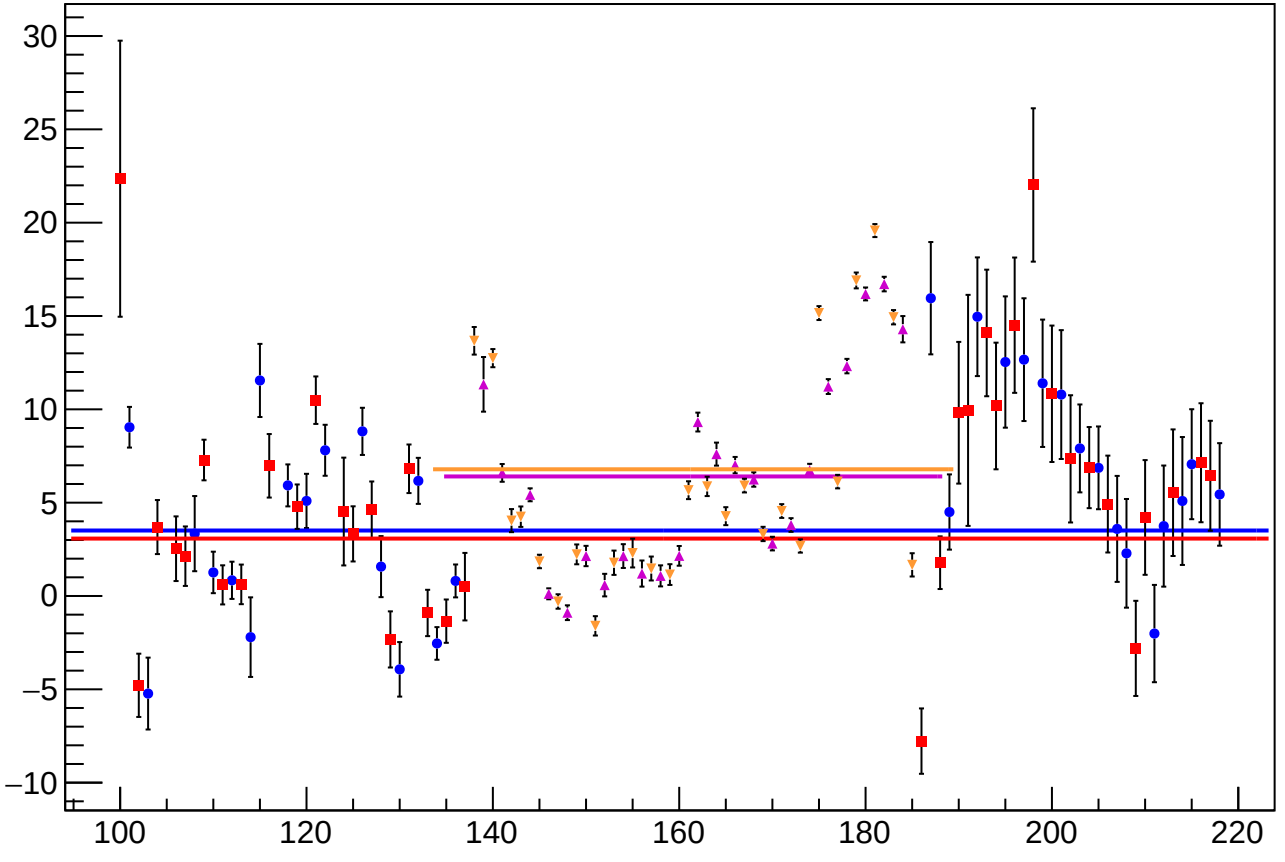
Left In: -18.902+/-0.116 χ^2/NDF:8286.2/22

+ sign -16.506+/-0.102 χ^2/NDF: 15717.1/56

All: -15.897+/-0.073 χ^2/NDF: 32236.4/115

- sign -15.274+/-0.104 χ^2/NDF: 16447.8/58

reg_asym_sam_37_avg_diff_bpm4aY_slope vs Slug



Right In: 3.508+/-0.287 χ^2/NDF: 271.4/31

Left Out: 6.788+/-0.090 χ^2/NDF:4632.5/24

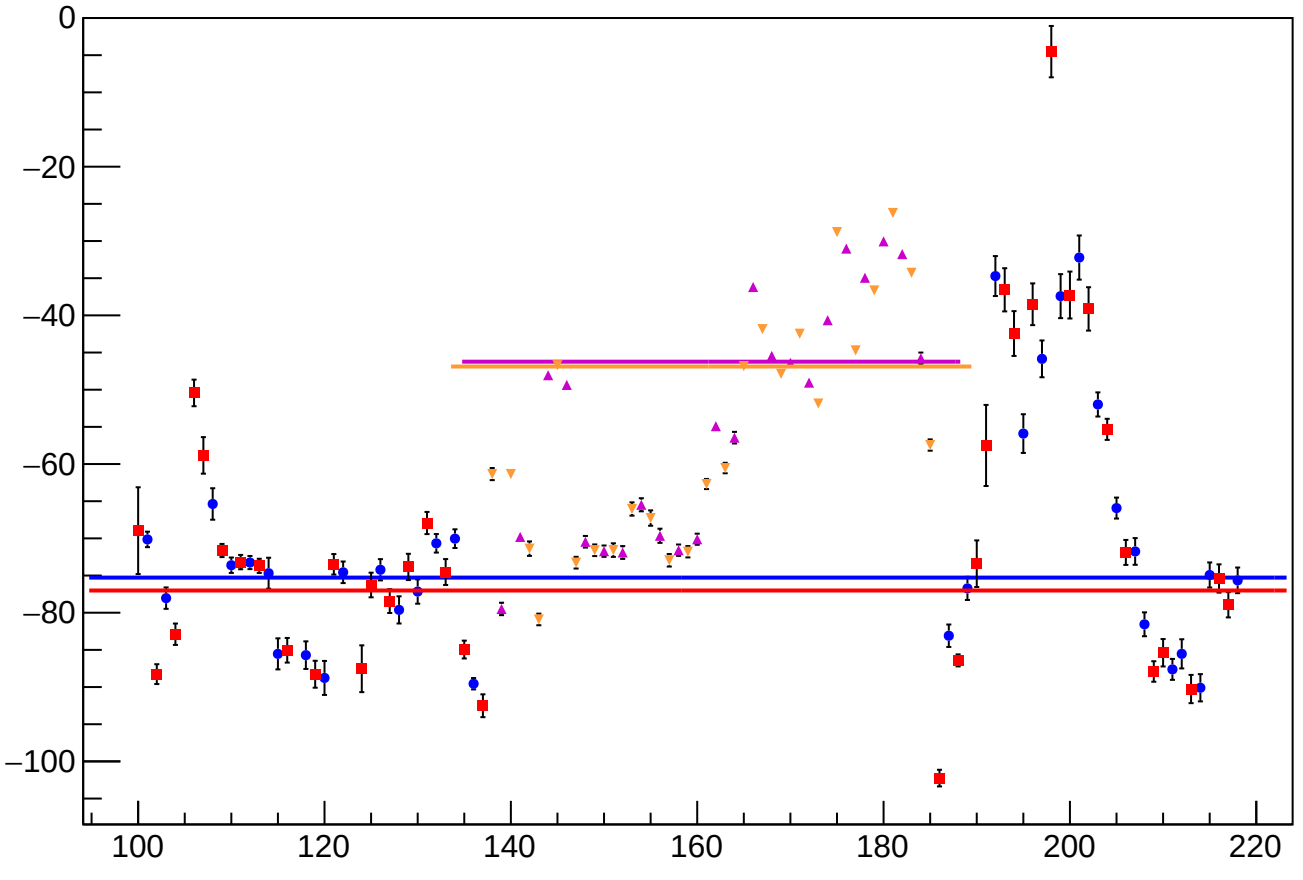
Right Out: 3.076+/-0.289 χ^2/NDF: 253.8/35

Left In: 6.404+/-0.091 χ^2/NDF:3410.4/22

+ sign 6.493+/-0.086 χ^2/NDF: 5023.2/56

All: 6.300+/-0.061 χ^2/NDF: 8817.9/115

- sign 6.103+/-0.087 χ^2/NDF: 3784.6/58



Right In: -75.277+/-0.265 χ^2/NDF: 1799.6/31

Left Out: -46.883+/-0.114 χ^2/NDF:17974.5/24

Right Out: -77.011+/-0.259 χ^2/NDF: 3012.7/35

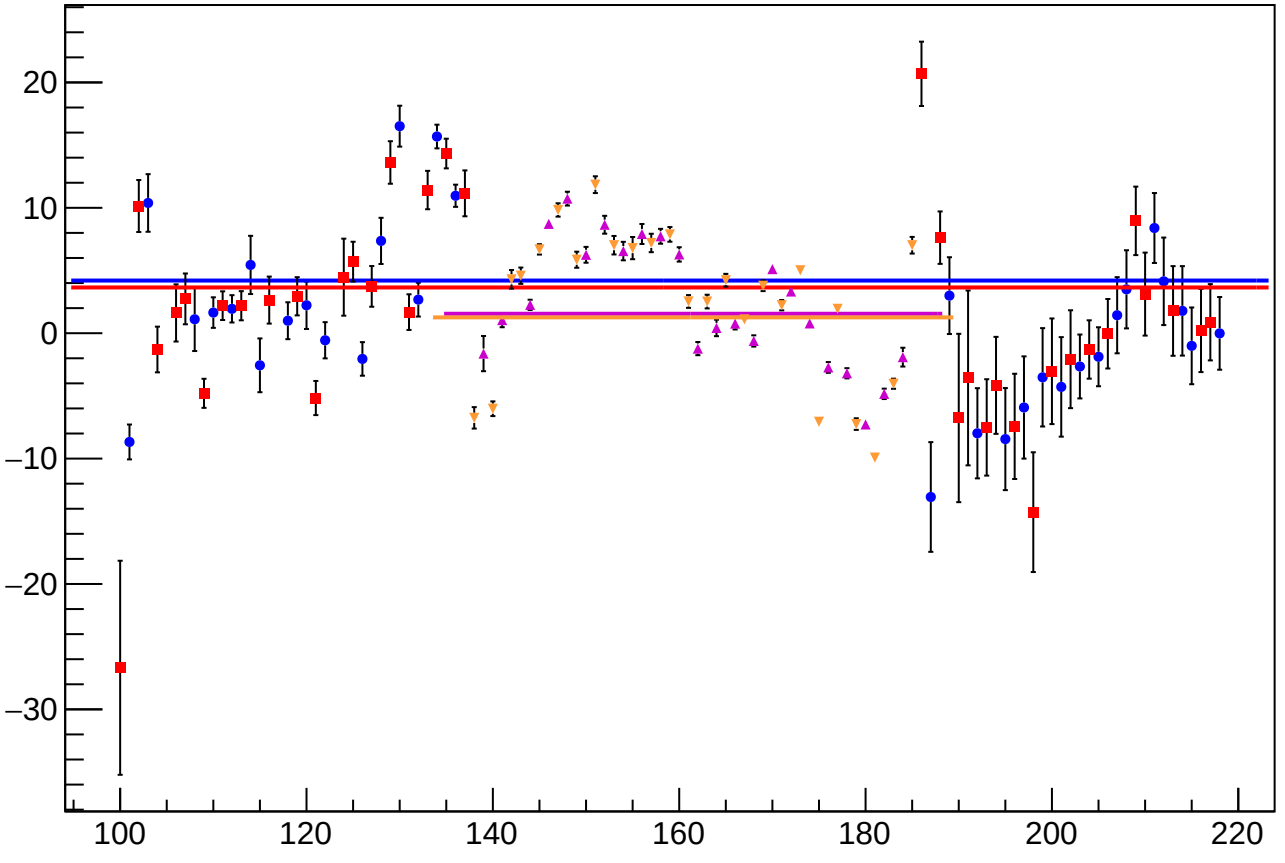
Left In: -46.231+/-0.116 χ^2/NDF:15169.3/22

\+ sign -51.312+/-0.105 χ^2/NDF: 29468.7/56

All: -51.359+/-0.074 χ^2/NDF: 59438.6/115

\- sign -51.408+/-0.106 χ^2/NDF: 29969.5/58

reg_asym_sam_37_avg_diff_bpm4eY_slope vs Slug



Right In: 4.199+/-0.321 χ^2/NDF: 493.4/31

Left Out: 1.261+/-0.100 χ^2/NDF:3445.7/24

Right Out: 3.648+/-0.329 χ^2/NDF: 393.6/35

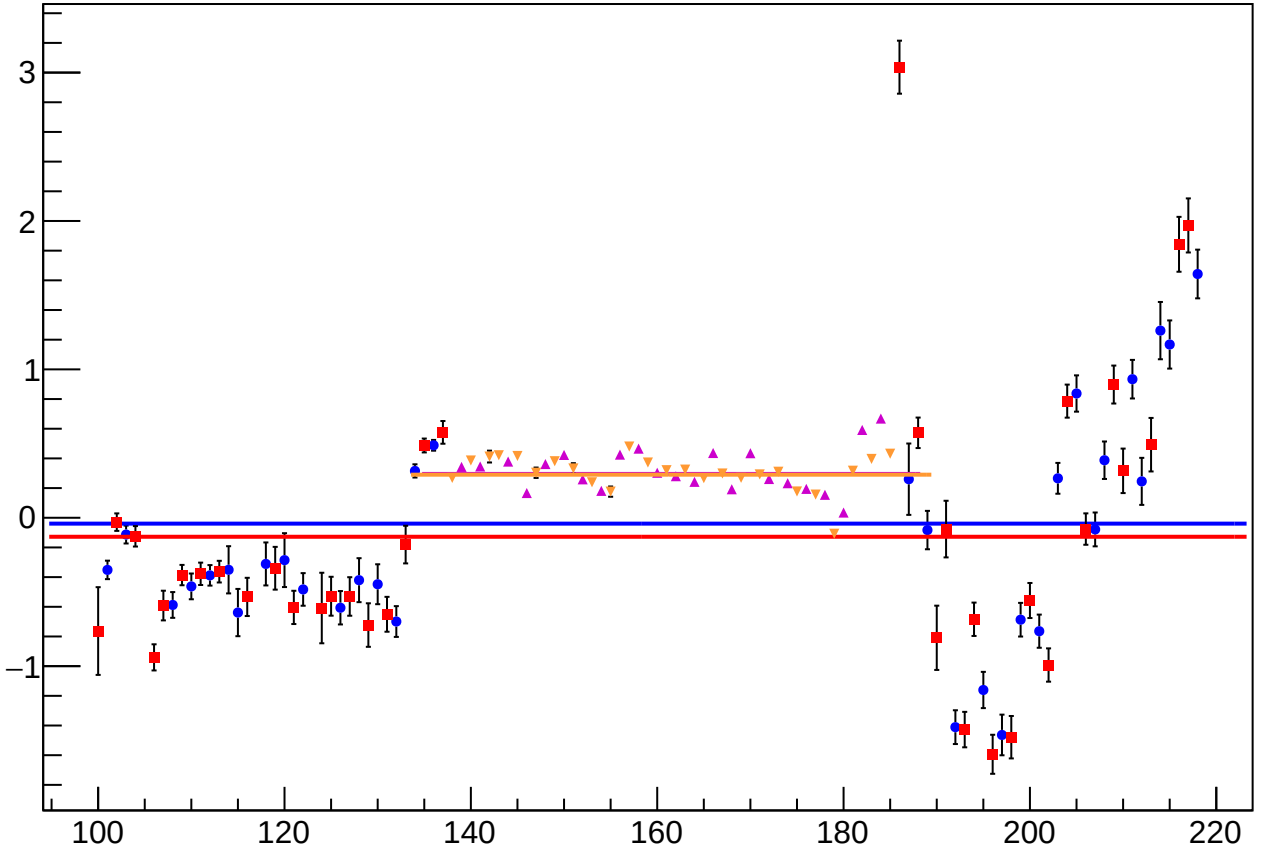
Left In: 1.551+/-0.102 χ^2/NDF:2335.7/22

+ sign 1.524+/-0.096 χ^2/NDF: 4015.5/56

All: 1.628+/-0.068 χ^2/NDF: 6784.3/115

- sign 1.735+/-0.097 χ^2/NDF: 2766.4/58

reg_asym_sam_37_avg_diff_bpm12X_slope vs Slug



Right In: -0.040+/-0.016 χ^2/NDF: 1263.6/31

Left Out: 0.290+/-0.004 χ^2/NDF:719.3/24

Right Out: -0.128+/-0.017 χ^2/NDF: 1694.5/35

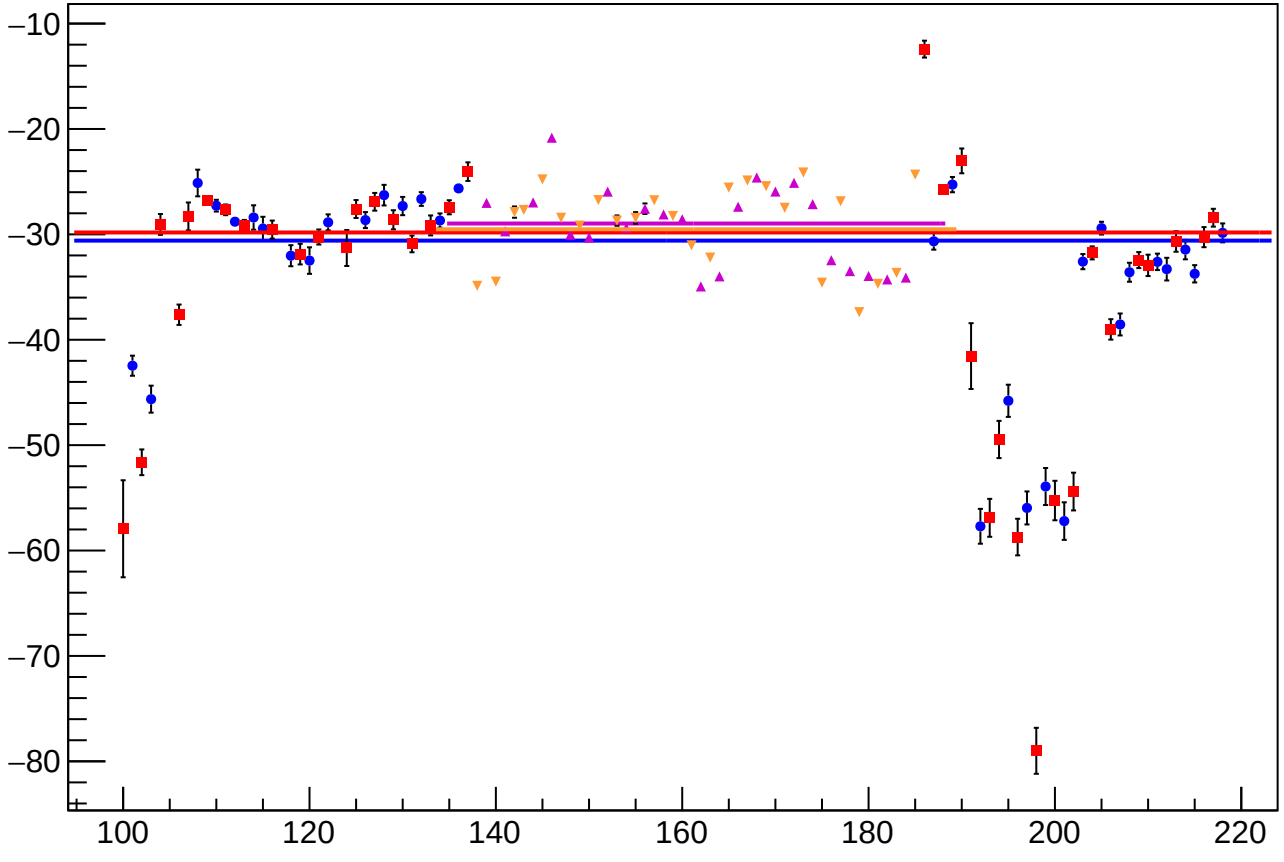
Left In: 0.295+/-0.005 χ^2/NDF:1035.4/22

+ sign 0.267+/-0.004 χ^2/NDF: 2359.5/56

All: 0.267+/-0.003 χ^2/NDF: 5657.8/115

- sign 0.267+/-0.004 χ^2/NDF: 3298.3/58

reg_asym_sam_37_dd_diff_bpm1X_slope vs Slug



Right In: -30.593+/-0.145 χ^2/NDF: 1784.6/31

Left Out: -29.516+/-0.056 χ^2/NDF:6088.5/24

Right Out: -29.821+/-0.142 χ^2/NDF: 2808.8/35

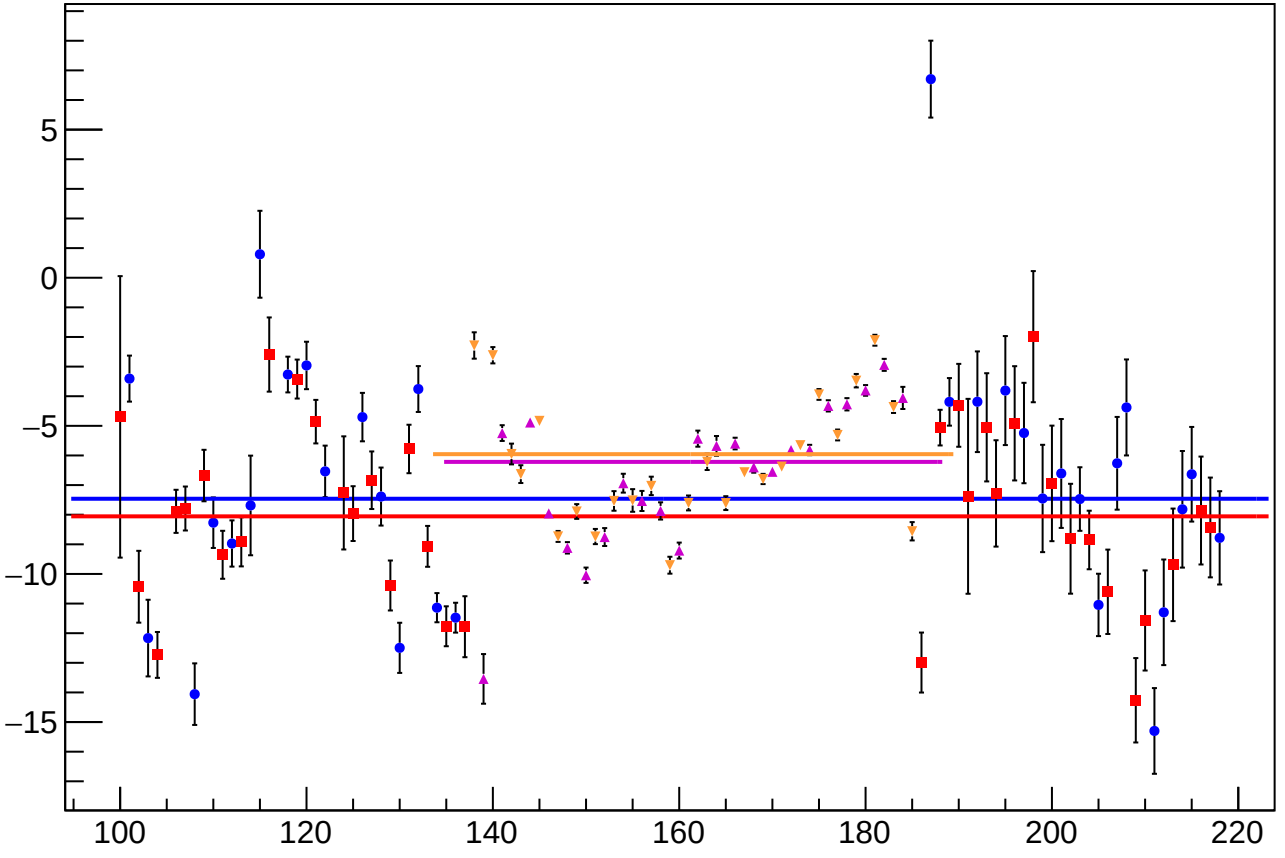
Left In: -28.971+/-0.057 χ^2/NDF:5348.6/22

+ sign -29.657+/-0.053 χ^2/NDF: 7920.9/56

All: -29.375+/-0.037 χ^2/NDF: 16167.3/115

- sign -29.089+/-0.053 χ^2/NDF: 8188.3/58

reg_asym_sam_37_dd_diff_bpm4aY_slope vs Slug



Right In: -7.461+/-0.170 χ^2/NDF: 582.9/31

Left Out: -5.956+/-0.044 χ^2/NDF:1857.8/24

Right Out: -8.056+/-0.169 χ^2/NDF: 294.7/35

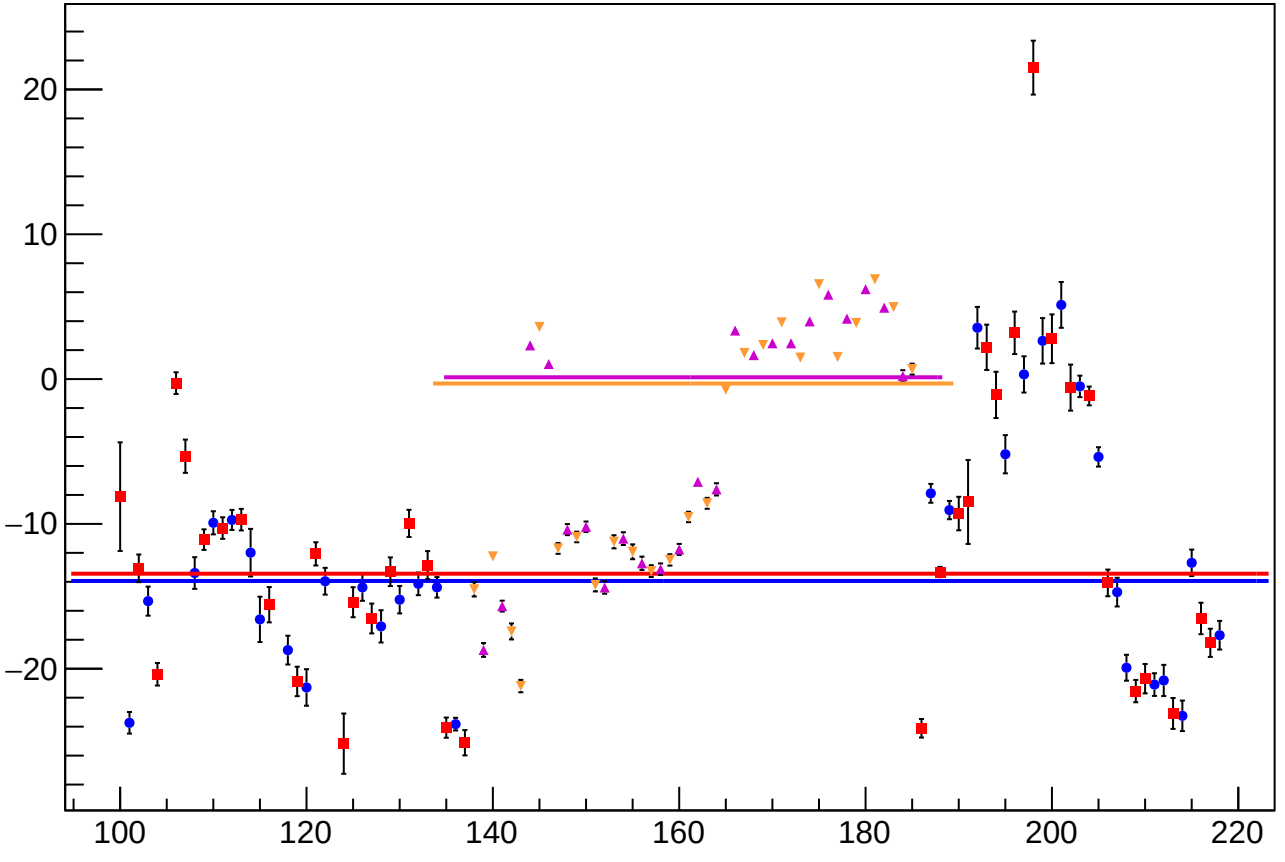
Left In: -6.217+/-0.044 χ^2/NDF:1741.8/22

+ sign -6.052+/-0.043 χ^2/NDF: 2513.9/56

All: -6.194+/-0.030 χ^2/NDF: 4683.2/115

- sign -6.335+/-0.043 χ^2/NDF: 2147.6/58

reg_asym_sam_37_dd_diff_bpm4eX_slope vs Slug



Right In: -13.942+/-0.154 χ^2/NDF: 2301.8/31

Left Out: -0.306+/-0.057 χ^2/NDF:17181.6/24

Right Out: -13.439+/-0.148 χ^2/NDF: 2748.6/35

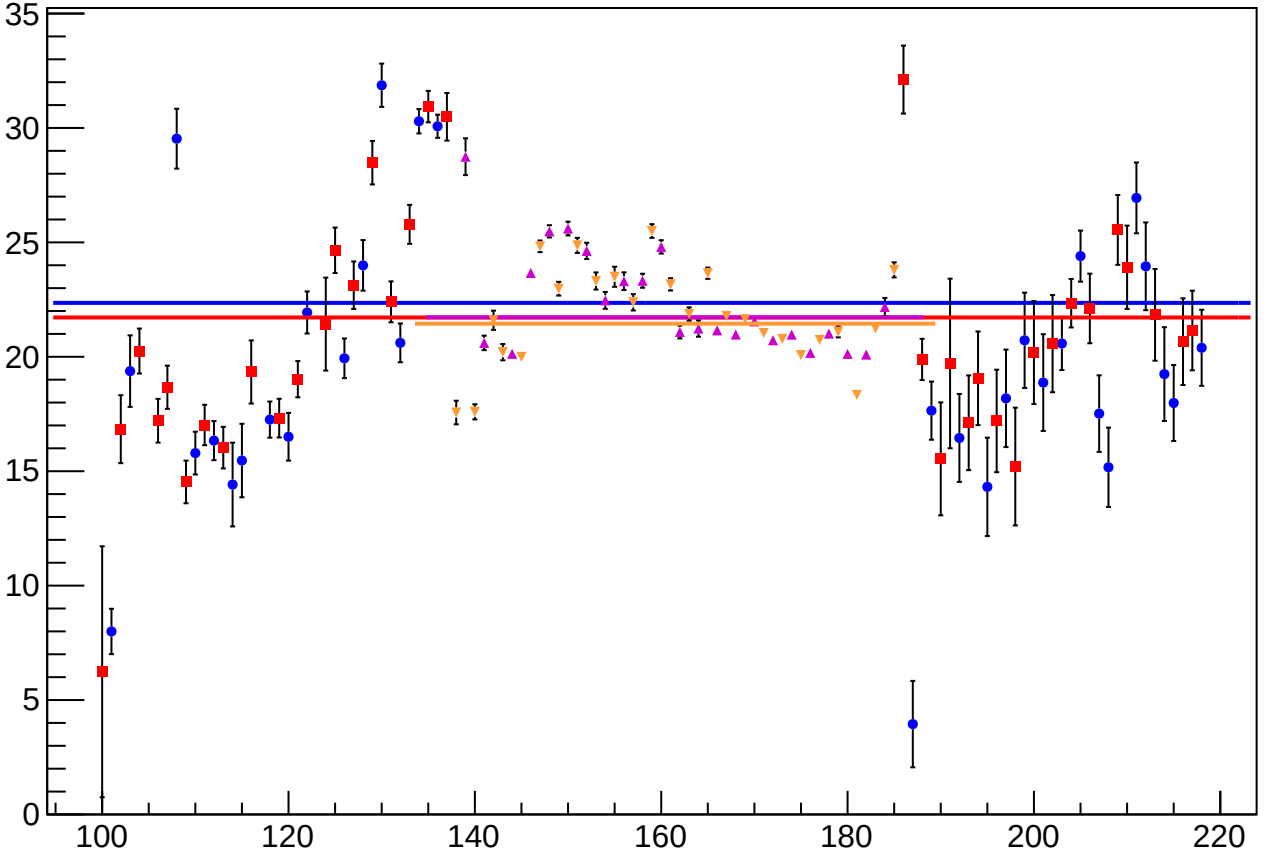
Left In: 0.125+/-0.057 χ^2/NDF:13838.6/22

+ sign -1.925+/-0.053 χ^2/NDF: 26384.5/56

All: -1.773+/-0.038 χ^2/NDF: 50274.0/115

- sign -1.620+/-0.053 χ^2/NDF: 23873.1/58

reg_asym_sam_37_dd_diff_bpm4eY_slope vs Slug



Right In: 22.356+/-0.193 χ^2/NDF: 1214.3/31

Left Out: 21.447+/-0.050 χ^2/NDF:1325.2/24

Right Out: 21.718+/-0.196 χ^2/NDF: 644.4/35

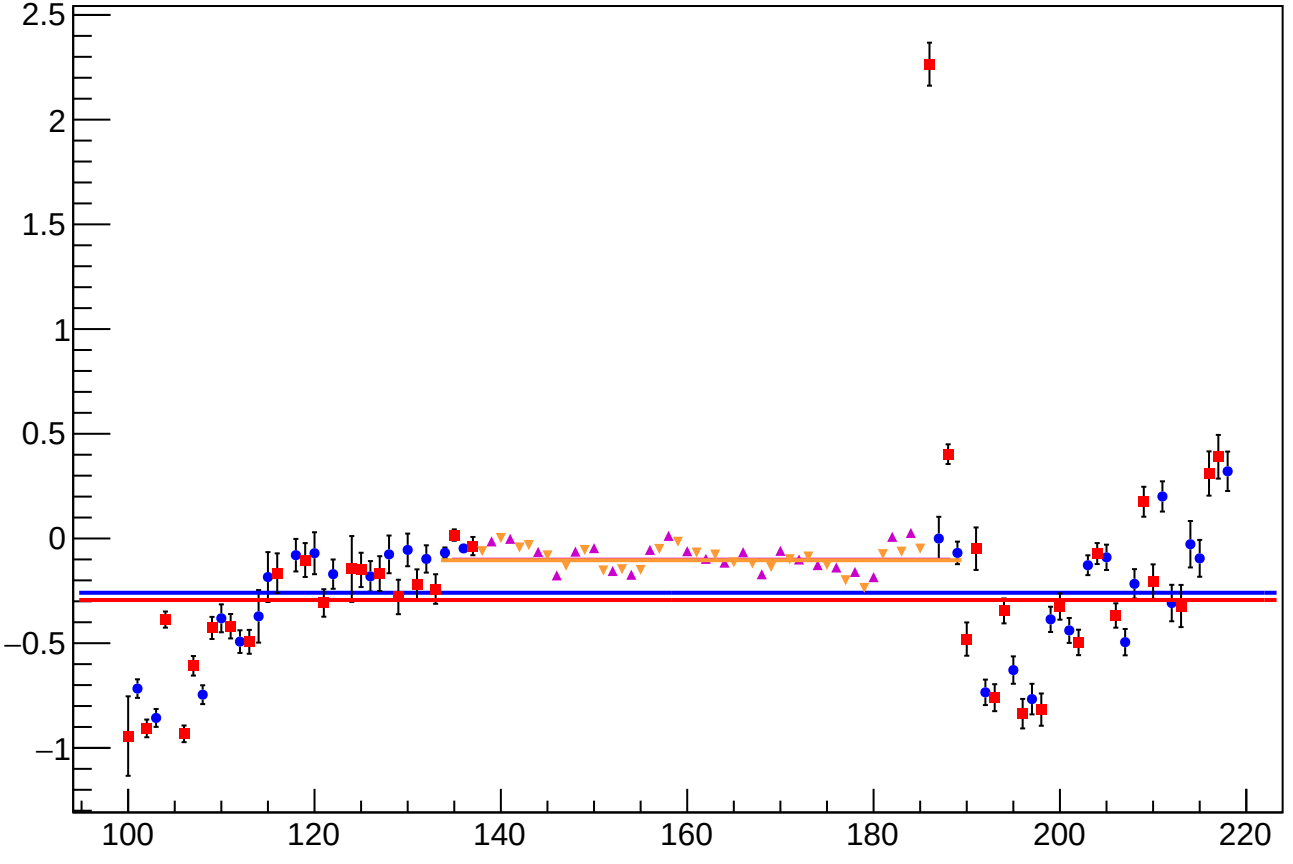
Left In: 21.725+/-0.050 χ^2/NDF:1173.7/22

+ sign 21.503+/-0.048 χ^2/NDF: 2560.4/56

All: 21.614+/-0.034 χ^2/NDF: 4389.1/115

- sign 21.725+/-0.048 χ^2/NDF: 1818.1/58

reg_asym_sam_37_dd_diff_bpm12X_slope vs Slug



Right In: -0.259+/-0.010 χ^2/NDF: 924.3/31

Left Out: -0.104+/-0.002 χ^2/NDF:547.4/24

Right Out: -0.294+/-0.010 χ^2/NDF: 1898.3/35

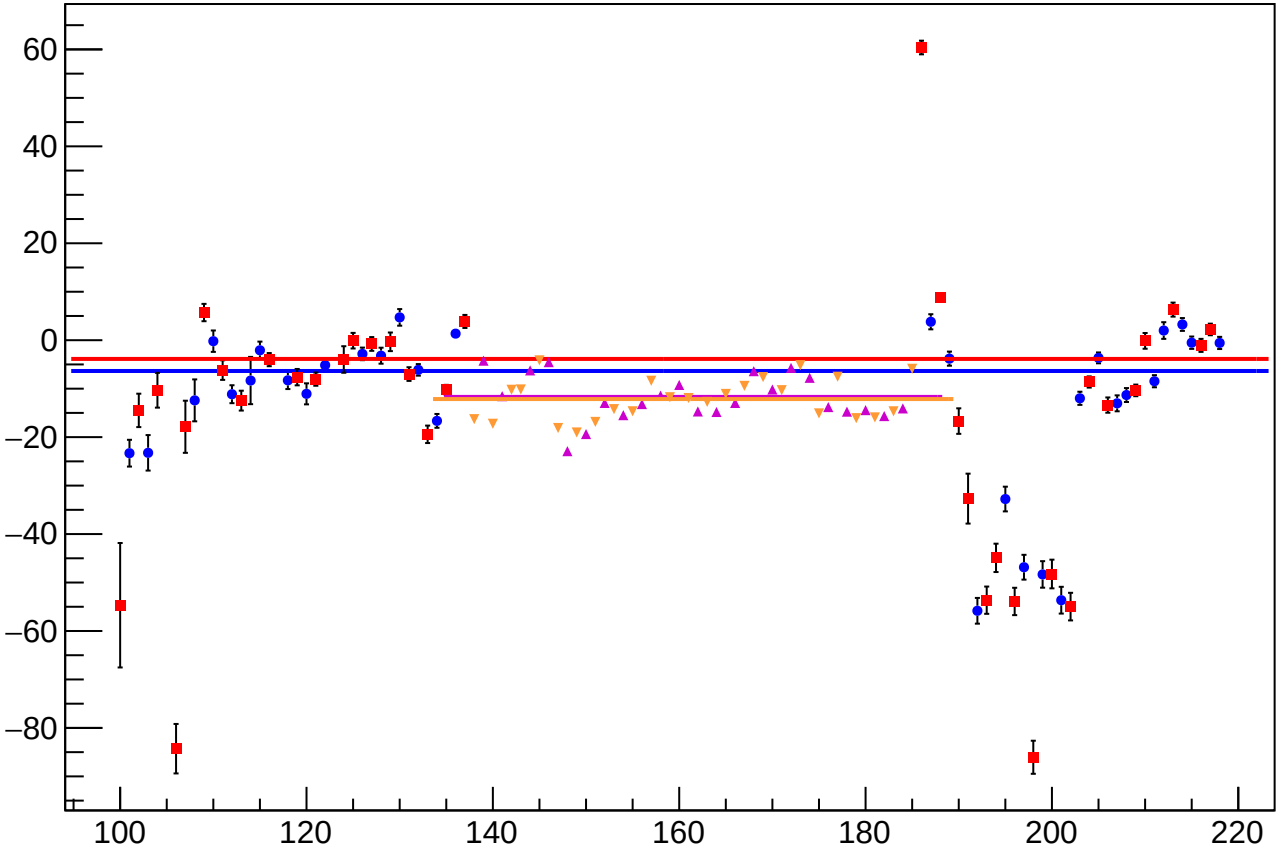
Left In: -0.101+/-0.002 χ^2/NDF:757.6/22

+ sign -0.112+/-0.002 χ^2/NDF: 1721.0/56

All: -0.111+/-0.002 χ^2/NDF: 4733.1/115

- sign -0.111+/-0.002 χ^2/NDF: 3012.1/58

reg_asym_sam_26_avg_diff_bpm1X_slope vs Slug



Right In: -6.352+/-0.273 χ^2/NDF: 1774.1/31

Left Out: -12.143+/-0.092 χ^2/NDF:2130.5/24

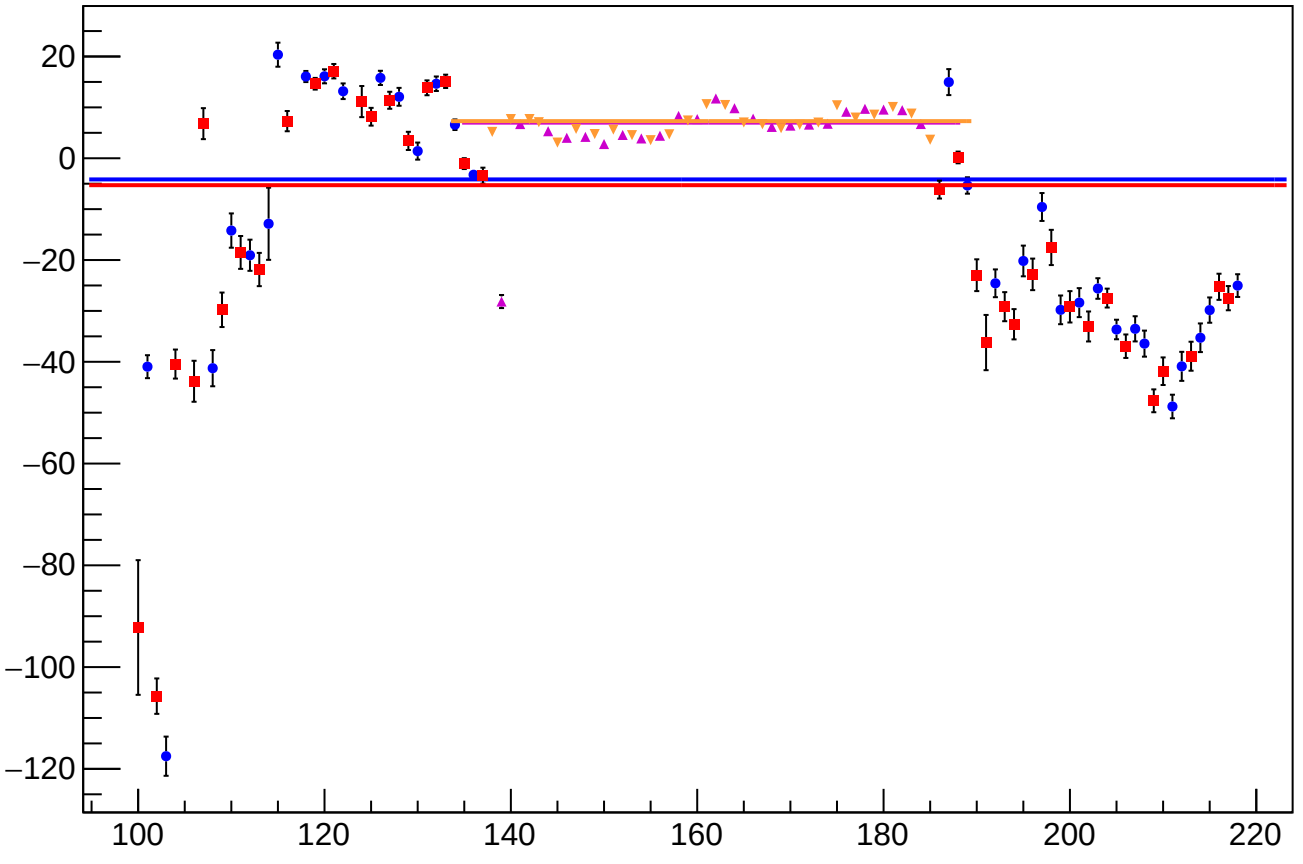
Right Out: -3.863+/-0.279 χ^2/NDF: 4994.9/35

Left In: -11.698+/-0.094 χ^2/NDF:1951.0/22

+ sign -11.557+/-0.087 χ^2/NDF: 4310.0/56

All: -11.236+/-0.062 χ^2/NDF: 11991.3/115

- sign -10.896+/-0.089 χ^2/NDF: 7653.2/58



Right In: -4.157+/-0.324 χ^2/NDF: 4450.4/31

Left Out: 7.297+/-0.075 χ^2/NDF:822.9/24

Right Out: -5.290+/-0.339 χ^2/NDF: 4051.5/35

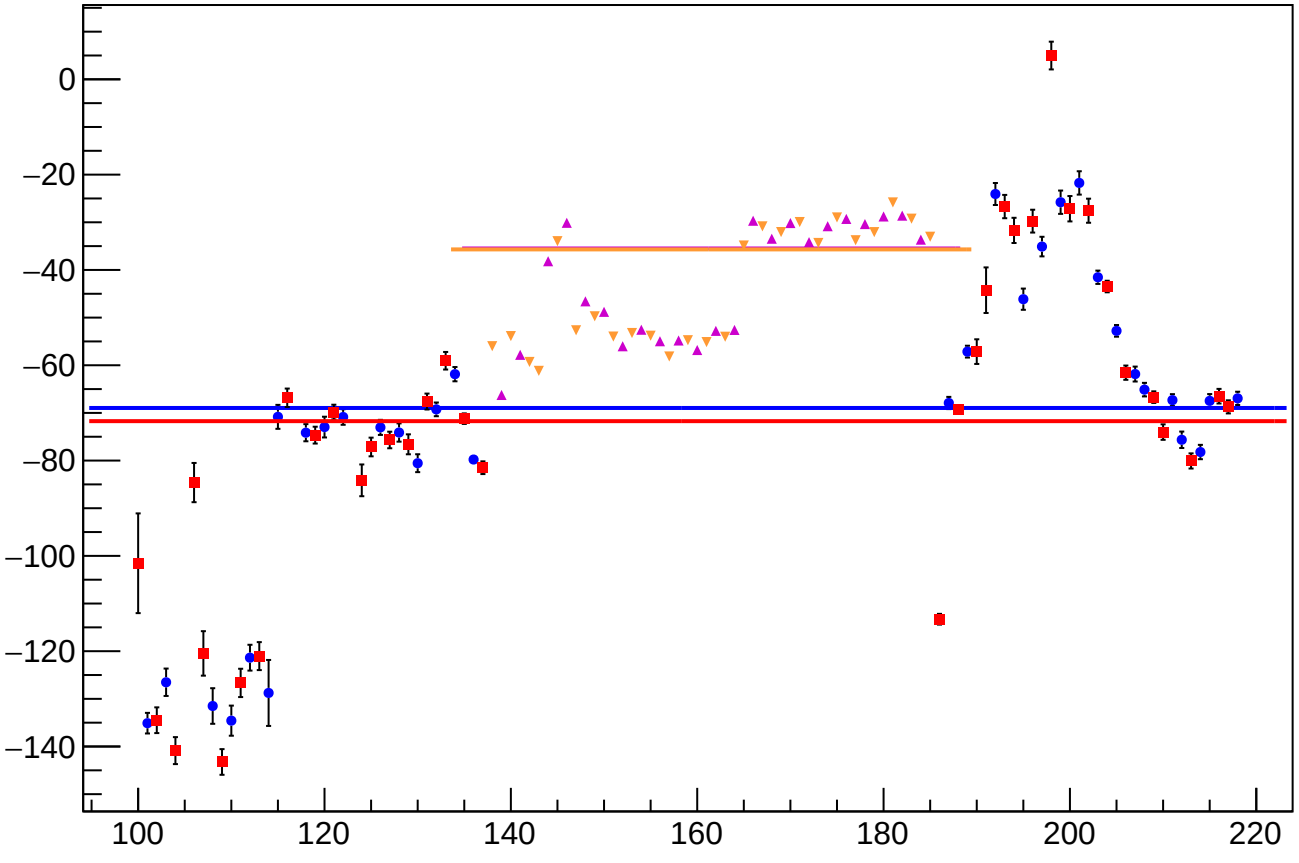
Left In: 7.004+/-0.076 χ^2/NDF:1576.0/22

+ sign 6.715+/-0.073 χ^2/NDF: 6460.8/56

All: 6.567+/-0.052 χ^2/NDF: 13351.4/115

- sign 6.415+/-0.074 χ^2/NDF: 6882.3/58

reg_asym_sam_26_avg_diff_bpm4eX_slope vs Slug



Right In: -68.963+/-0.283 χ^2/NDF: 5013.0/31

Left Out: -35.690+/-0.092 χ^2/NDF:12778.3/24

Right Out: -71.728+/-0.284 χ^2/NDF: 6993.8/35

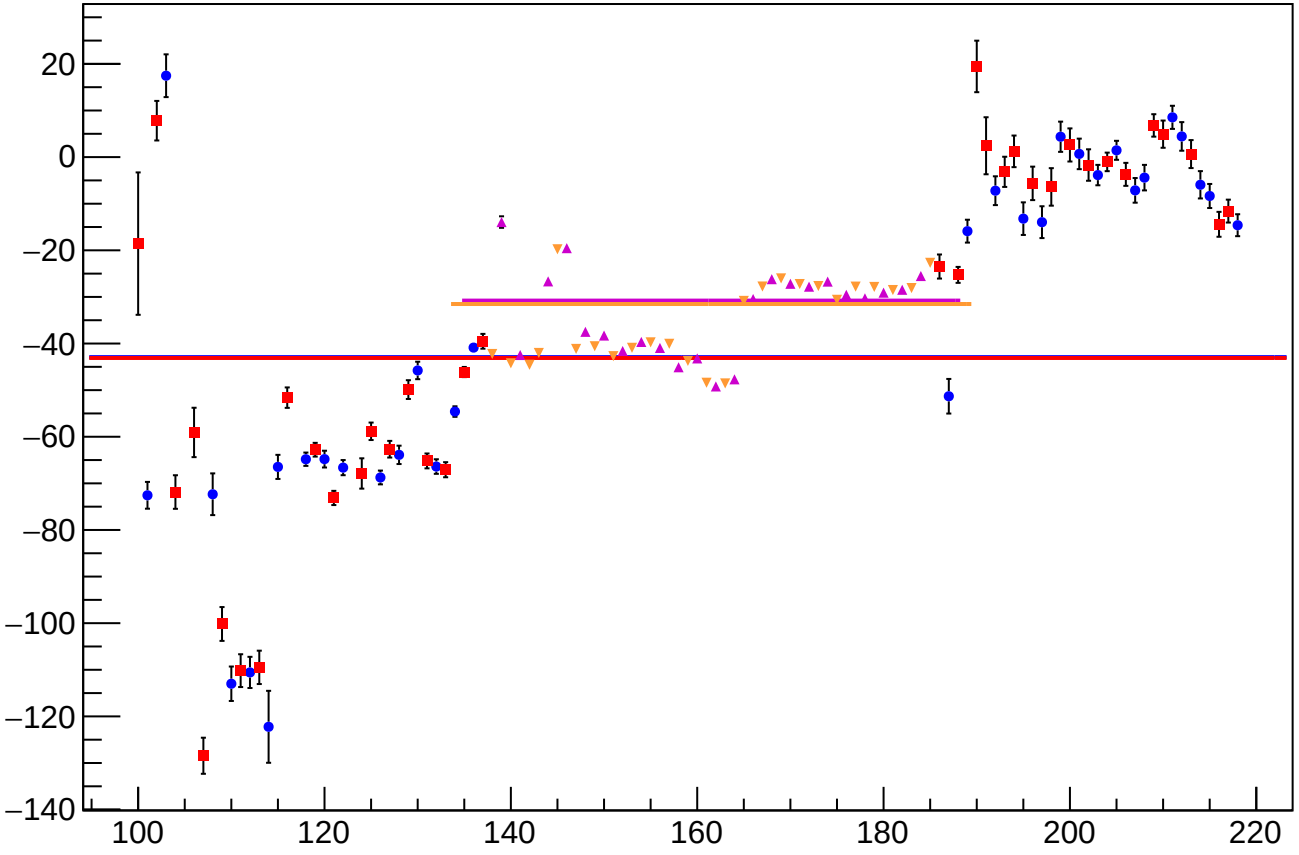
Left In: -35.497+/-0.095 χ^2/NDF:11162.0/22

+ sign -38.883+/-0.088 χ^2/NDF: 30279.9/56

All: -38.996+/-0.063 χ^2/NDF: 63085.3/115

- sign -39.114+/-0.090 χ^2/NDF: 32802.0/58

reg_asym_sam_26_avg_diff_bpm4eY_slope vs Slug



Right In: -42.918+/-0.361 χ^2/NDF: 5754.0/31

Left Out: -31.520+/-0.083 χ^2/NDF:8457.7/24

Right Out: -43.096+/-0.387 χ^2/NDF: 6000.4/35

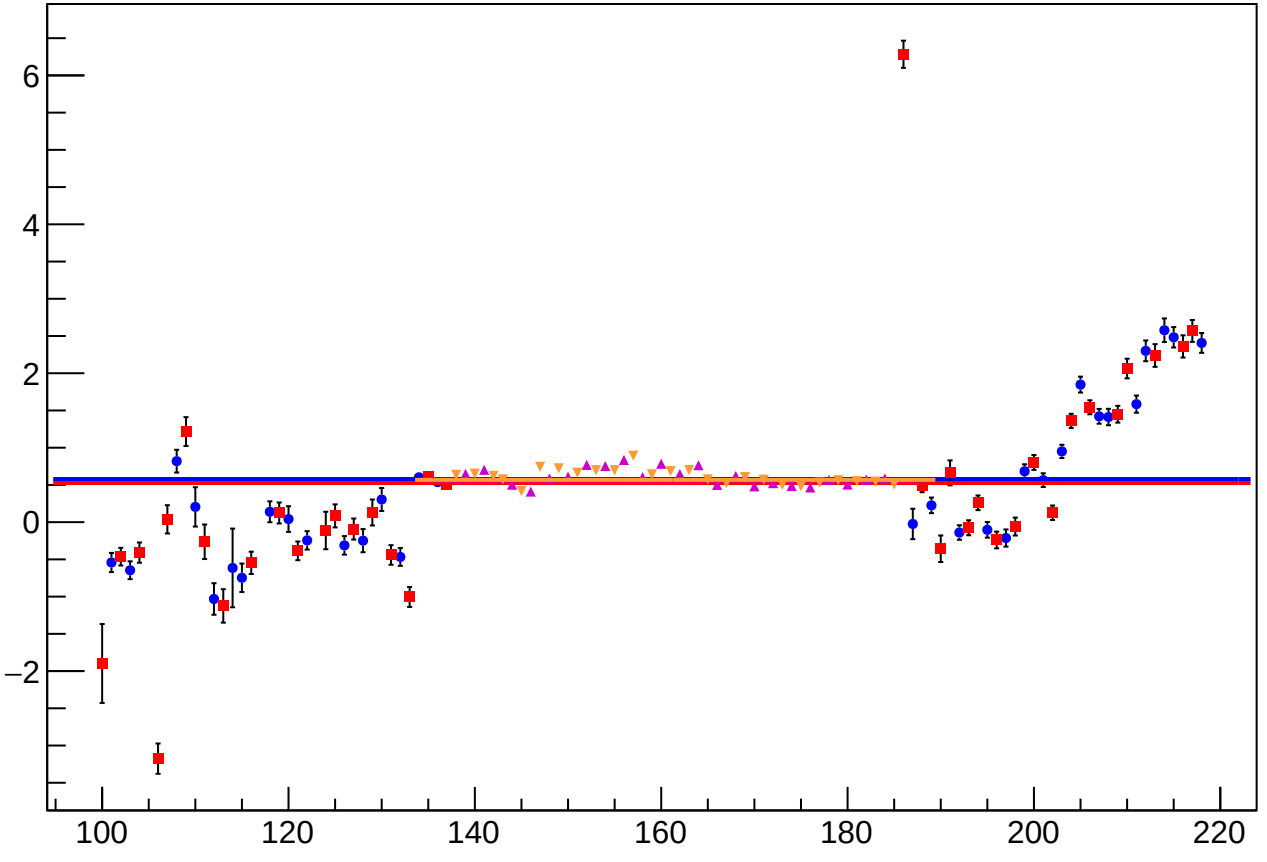
Left In: -30.789+/-0.084 χ^2/NDF:7548.8/22

+ sign -32.088+/-0.081 χ^2/NDF: 15157.1/56

All: -31.726+/-0.058 χ^2/NDF: 29714.8/115

- sign -31.347+/-0.082 χ^2/NDF: 14516.4/58

reg_asym_sam_26_avg_diff_bpm12X_slope vs Slug



Right In: 0.579+/-0.018 χ^2/NDF: 1740.1/31

Left Out: 0.568+/-0.004 χ^2/NDF:554.5/24

Right Out: 0.526+/-0.019 χ^2/NDF: 2914.6/35

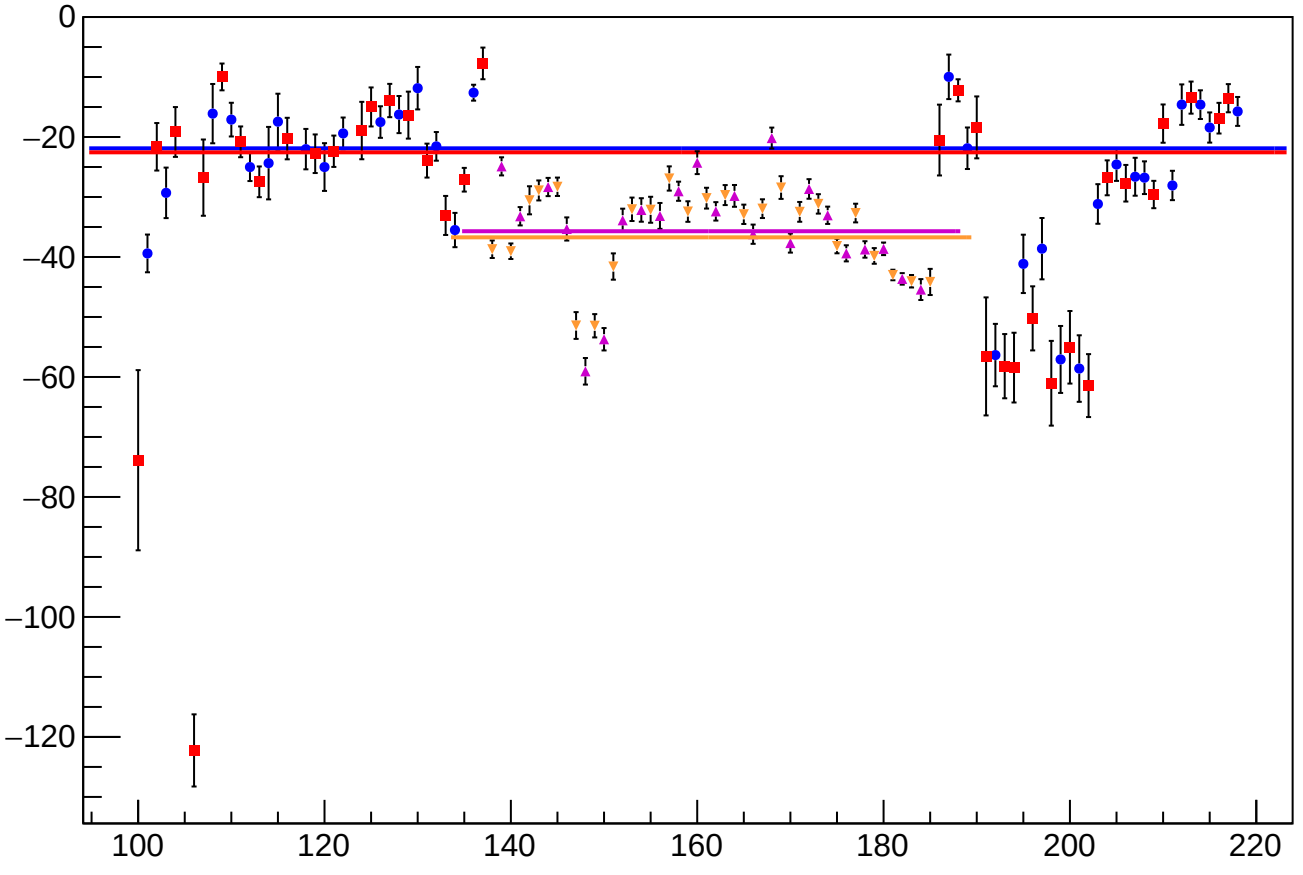
Left In: 0.560+/-0.004 χ^2/NDF:671.5/22

+ sign 0.569+/-0.004 χ^2/NDF: 2295.0/56

All: 0.564+/-0.003 χ^2/NDF: 5887.9/115

- sign 0.559+/-0.004 χ^2/NDF: 3589.1/58

reg_asym_sam_26_dd_diff_bpm1X_slope vs Slug



Right In: -21.888+/-0.525 χ^2/NDF: 335.7/31

Left Out: -36.724+/-0.310 χ^2/NDF:420.8/24

Right Out: -22.554+/-0.534 χ^2/NDF: 704.9/35

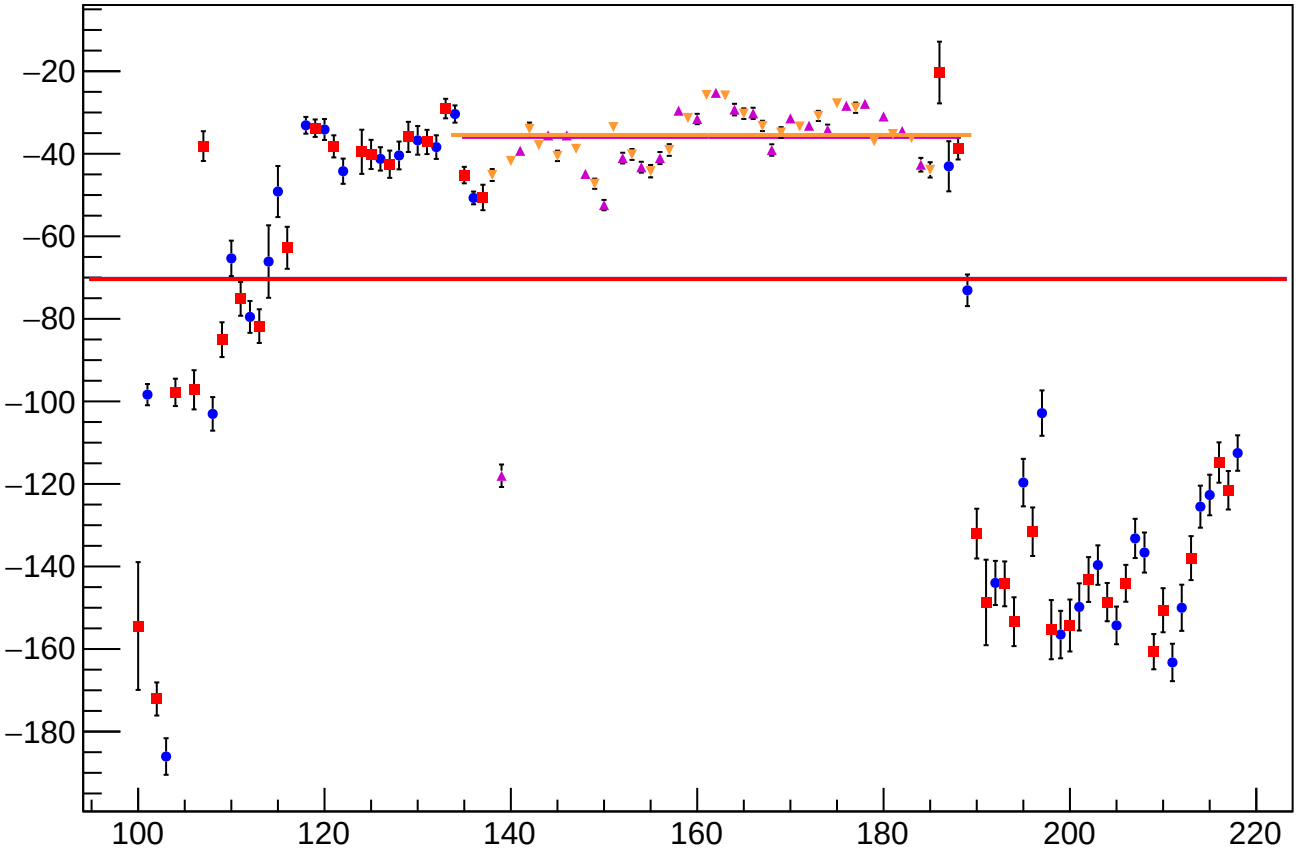
Left In: -35.706+/-0.323 χ^2/NDF:578.6/22

+ sign -32.883+/-0.267 χ^2/NDF: 1348.7/56

All: -32.543+/-0.192 χ^2/NDF: 3079.8/115

- sign -32.179+/-0.276 χ^2/NDF: 1727.7/58

reg_asym_sam_26_dd_diff_bpm4aY_slope vs Slug



Right In: -70.311+/-0.615 χ^2/NDF: 5022.6/31

Left Out: -35.442+/-0.245 χ^2/NDF:537.8/24

Right Out: -70.369+/-0.637 χ^2/NDF: 5150.9/35

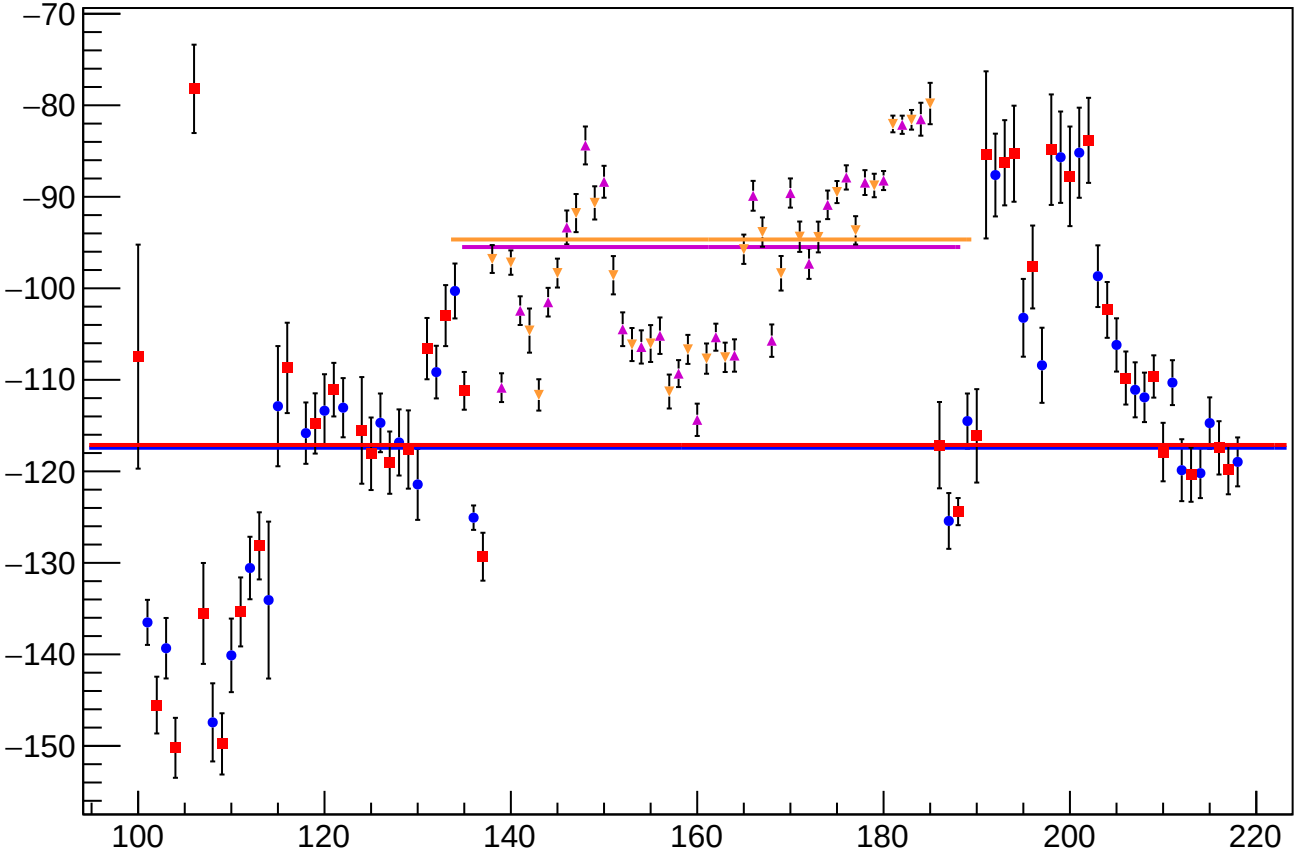
Left In: -35.913+/-0.256 χ^2/NDF:1543.1/22

+ sign -40.210+/-0.228 χ^2/NDF: 8333.0/56

All: -40.450+/-0.164 χ^2/NDF: 17549.2/115

- sign -40.711+/-0.238 χ^2/NDF: 9213.8/58

reg_asym_sam_26_dd_diff_bpm4eX_slope vs Slug



Right In: -117.420+/-0.546 χ^2/NDF: 499.1/31

Left Out: -94.663+/-0.310 χ^2/NDF:900.1/24

Right Out: -117.117+/-0.557 χ^2/NDF: 743.3/35

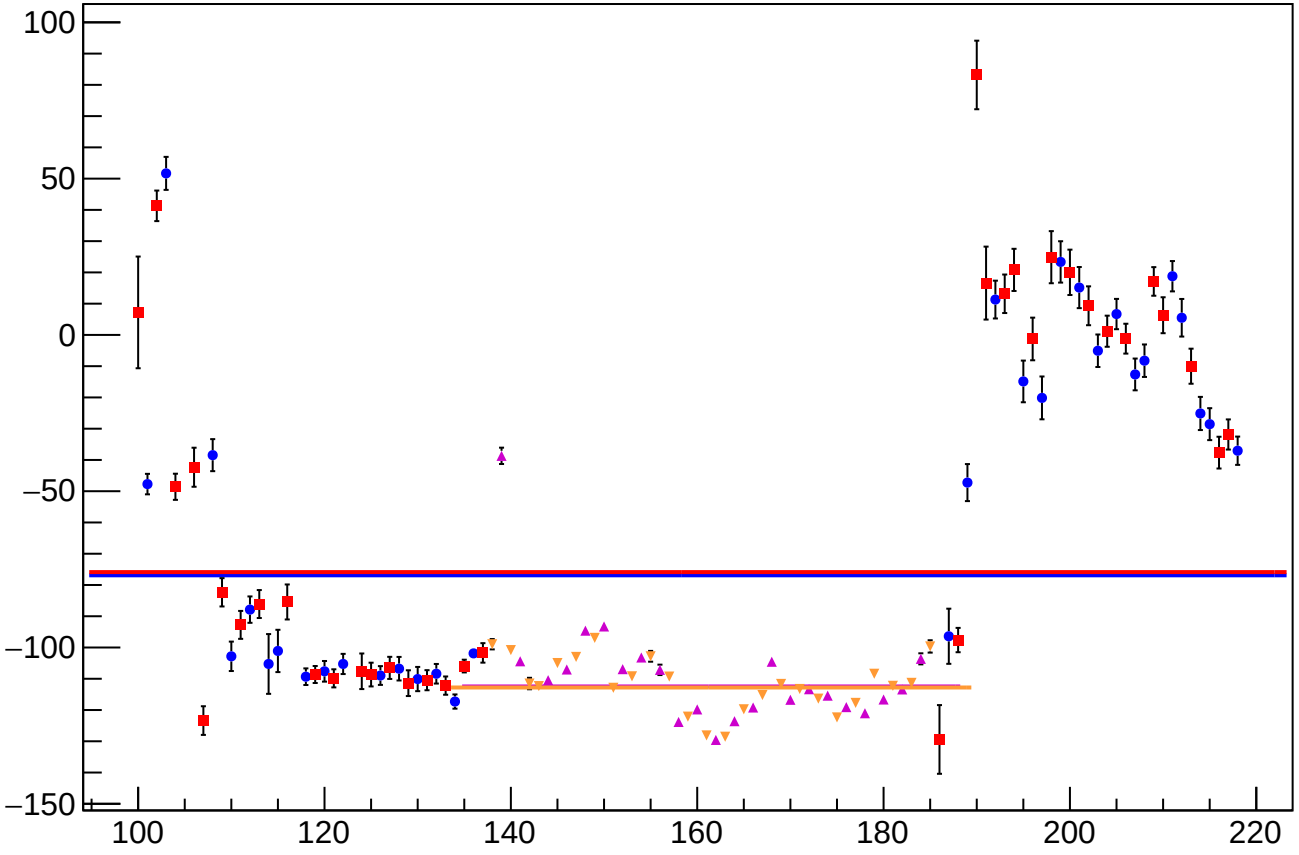
Left In: -95.489+/-0.321 χ^2/NDF:970.1/22

+ sign -100.199+/-0.270 χ^2/NDF: 2711.7/56

All: -100.534+/-0.194 χ^2/NDF: 5561.0/115

- sign -100.891+/-0.278 χ^2/NDF: 2846.0/58

reg_asym_sam_26_dd_diff_bpm4eY_slope vs Slug



Right In: -76.904+/-0.691 χ^2/NDF: 4510.9/31

Left Out: -112.794+/-0.274 χ^2/NDF:936.4/24

Right Out: -75.874+/-0.725 χ^2/NDF: 4645.5/35

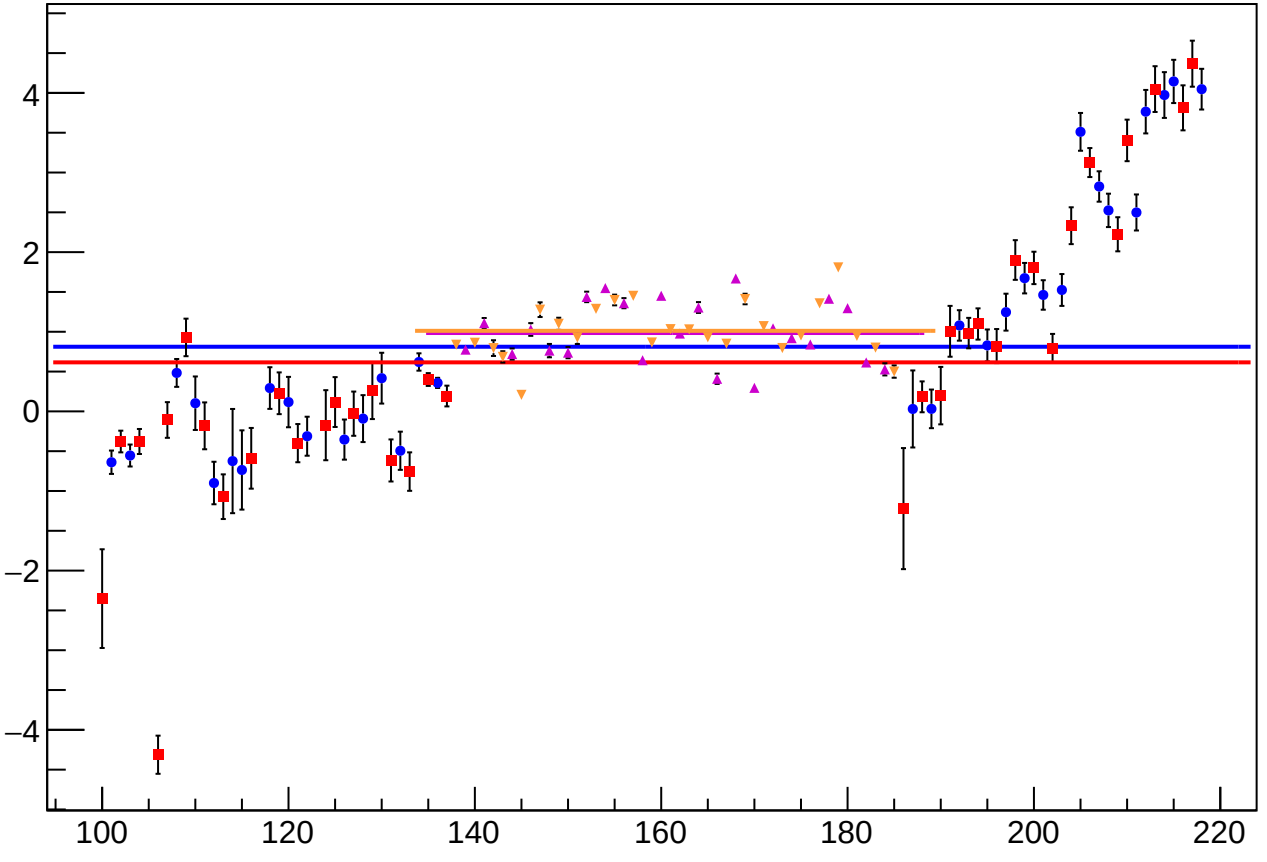
Left In: -112.465+/-0.285 χ^2/NDF:1788.6/22

+ sign -107.912+/-0.255 χ^2/NDF: 7780.7/56

All: -107.749+/-0.184 χ^2/NDF: 16422.8/115

- sign -107.572+/-0.265 χ^2/NDF: 8641.2/58

reg_asym_sam_26_dd_diff_bpm12X_slope vs Slug



Right In: 0.812+/-0.033 χ^2/NDF: 1380.3/31

Left Out: 1.012+/-0.012 χ^2/NDF:691.2/24

Right Out: 0.616+/-0.035 χ^2/NDF: 1649.0/35

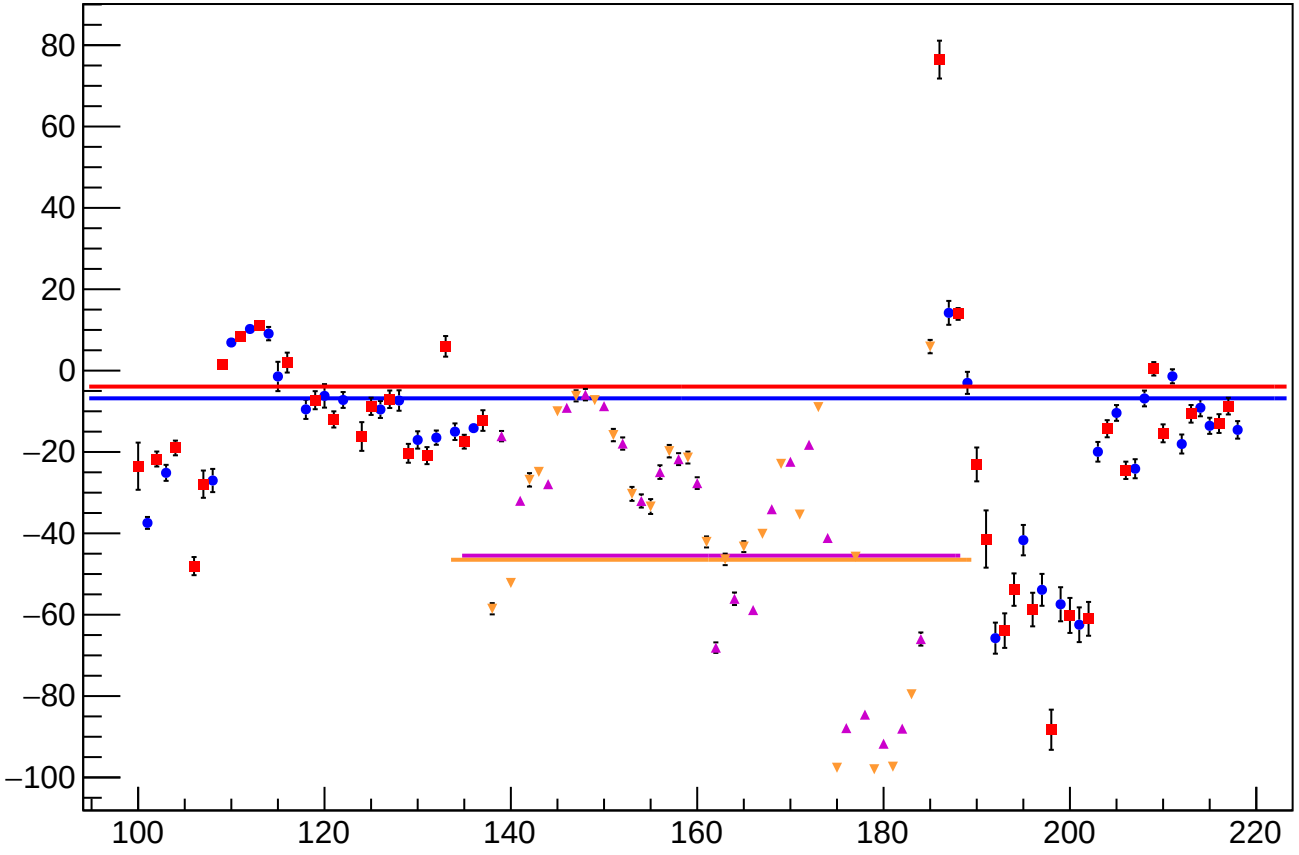
Left In: 0.984+/-0.013 χ^2/NDF:900.0/22

+ sign 0.988+/-0.011 χ^2/NDF: 2103.3/56

All: 0.966+/-0.008 χ^2/NDF: 4757.6/115

- sign 0.943+/-0.012 χ^2/NDF: 2646.8/58

reg_asym_sam_48_avg_diff_bpm1X_slope vs Slug



Right In: -6.812+/-0.321 χ^2/NDF: 2590.0/31

Left Out: -46.493+/-0.230 χ^2/NDF:20046.7/24

Right Out: -3.926+/-0.297 χ^2/NDF: 3441.6/35

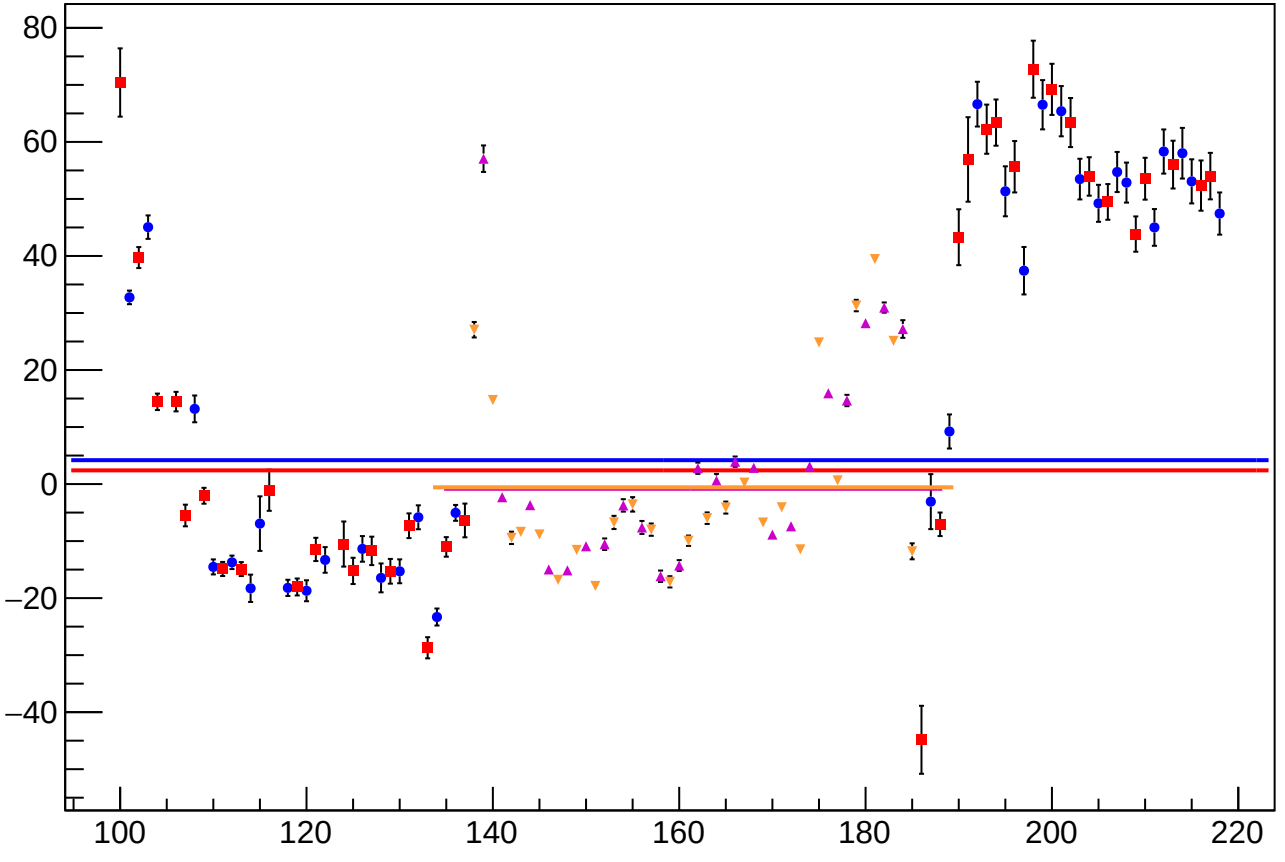
Left In: -45.487+/-0.238 χ^2/NDF:15571.1/22

+ sign -33.020+/-0.187 χ^2/NDF: 32735.7/56

All: -31.135+/-0.132 χ^2/NDF: 63875.3/115

- sign -29.277+/-0.186 χ^2/NDF: 30937.8/58

reg_asym_sam_48_avg_diff_bpm4aY_slope vs Slug



Right In: 4.189+/-0.392 χ^2/NDF: 4996.6/31

Left Out: -0.572+/-0.177 χ^2/NDF:8451.5/24

Right Out: 2.404+/-0.384 χ^2/NDF: 4530.5/35

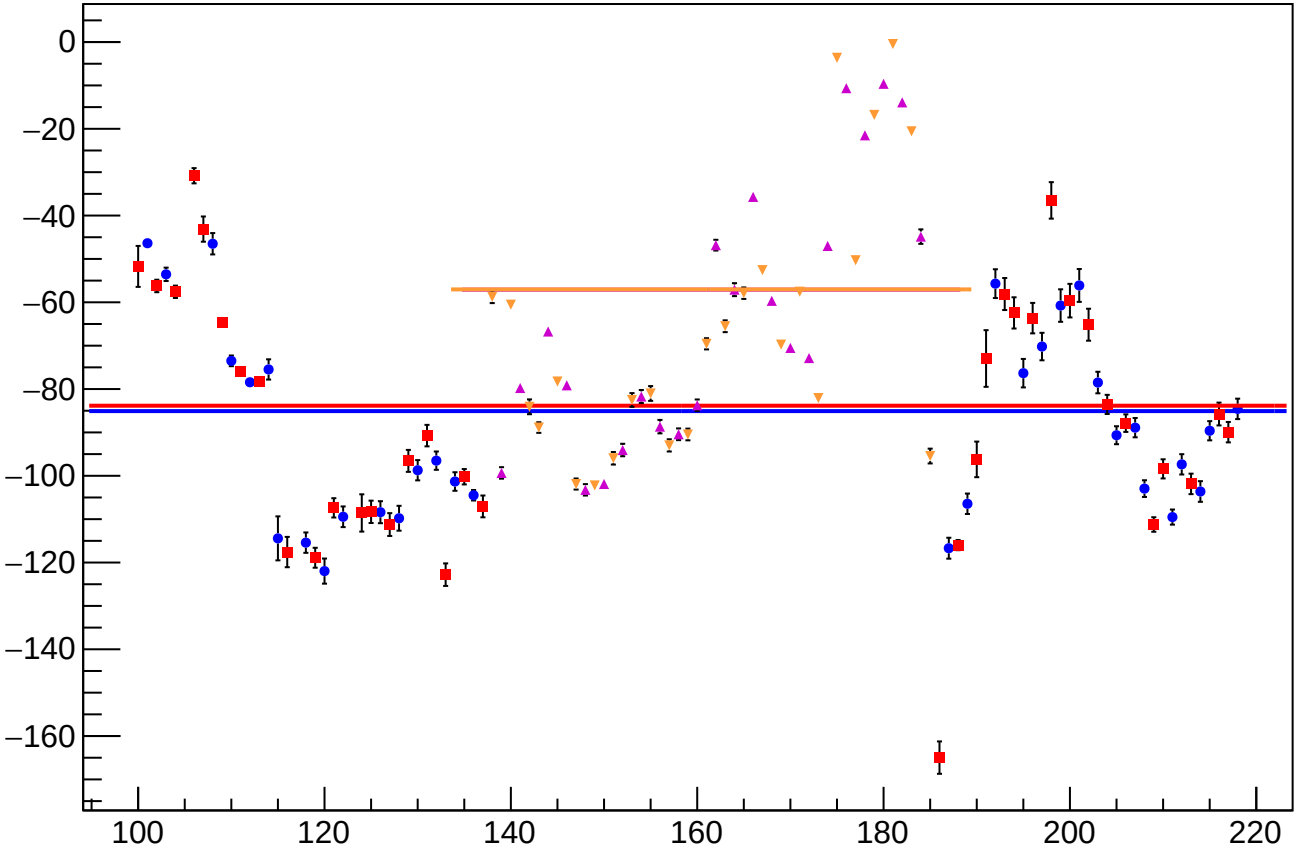
Left In: -0.828+/-0.183 χ^2/NDF:6116.6/22

+ sign 0.236+/-0.161 χ^2/NDF: 13570.6/56

All: 0.008+/-0.115 χ^2/NDF: 24279.4/115

- sign -0.230+/-0.165 χ^2/NDF: 10704.8/58

reg_asym_sam_48_avg_diff_bpm4eX_slope vs Slug



Right In: -85.085+/-0.355 χ^2/NDF: 3807.5/31

Left Out: -57.029+/-0.230 χ^2/NDF:20309.3/24

Right Out: -83.841+/-0.341 χ^2/NDF: 5296.7/35

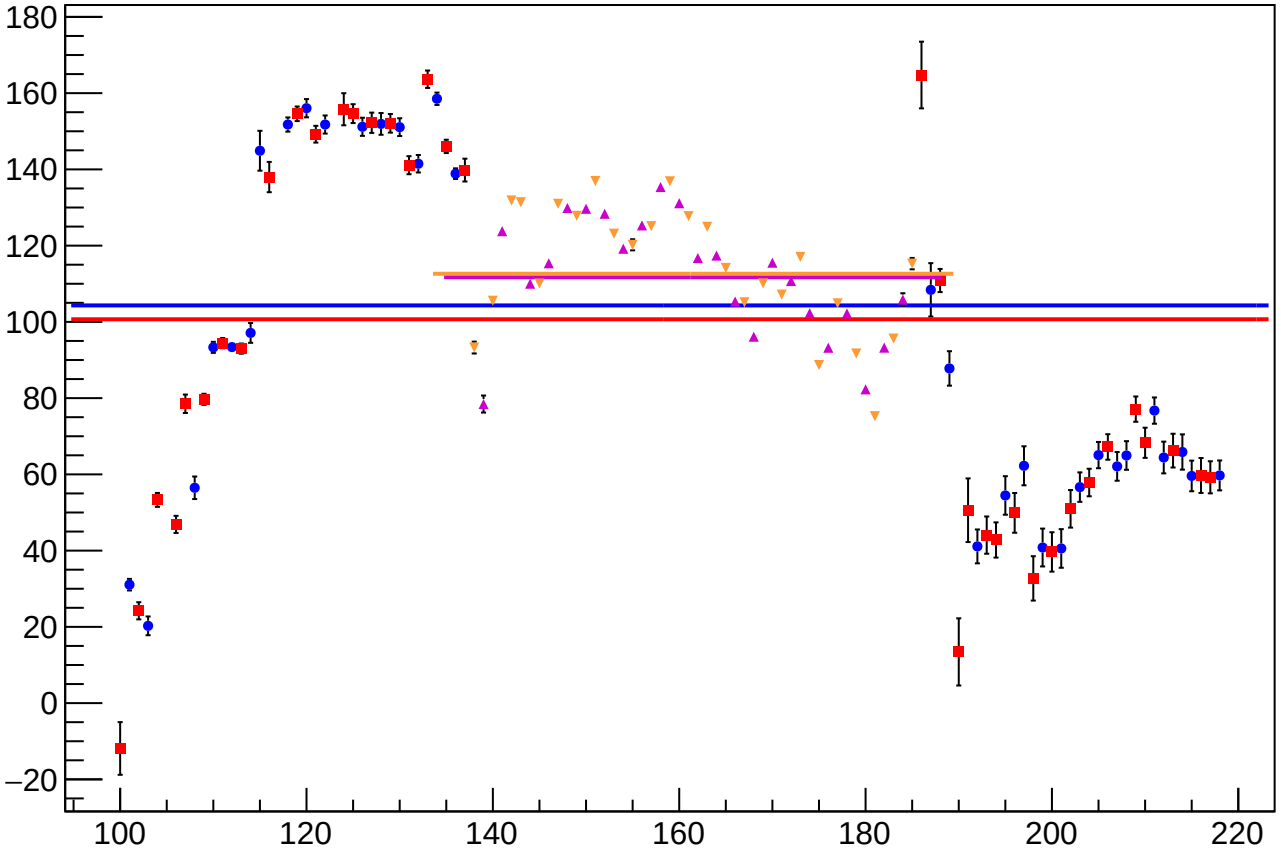
Left In: -57.091+/-0.237 χ^2/NDF:17167.8/22

+ sign -65.305+/-0.193 χ^2/NDF: 28511.0/56

All: -65.537+/-0.137 χ^2/NDF: 55126.9/115

- sign -65.772+/-0.194 χ^2/NDF: 26613.1/58

reg_asym_sam_48_avg_diff_bpm4eY_slope vs Slug



Right In: 104.320+/-0.444 χ^2/NDF: 10228.1/31

Left Out: 112.625+/-0.200 χ^2/NDF:6708.0/24

Right Out: 100.683+/-0.438 χ^2/NDF: 9305.7/35

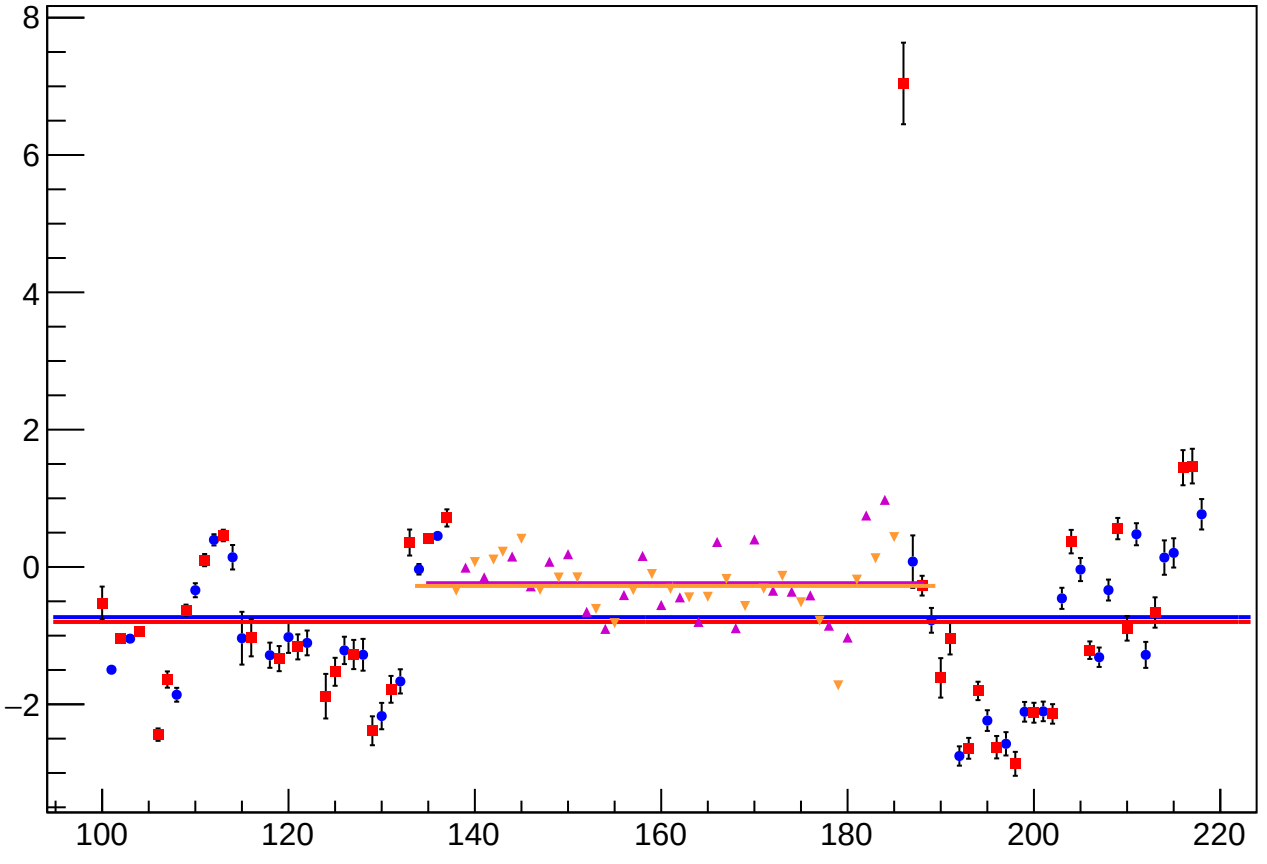
Left In: 111.720+/-0.206 χ^2/NDF:4896.8/22

+ sign 111.226+/-0.182 χ^2/NDF: 17226.7/56

All: 110.490+/-0.130 χ^2/NDF: 31982.2/115

- sign 109.721+/-0.186 χ^2/NDF: 14722.2/58

reg_asym_sam_48_avg_diff_bpm12X_slope vs Slug



Right In: -0.731+/-0.022 χ^2/NDF: 1936.4/31

Left Out: -0.276+/-0.009 χ^2/NDF:2122.4/24

Right Out: -0.801+/-0.022 χ^2/NDF: 2477.8/35

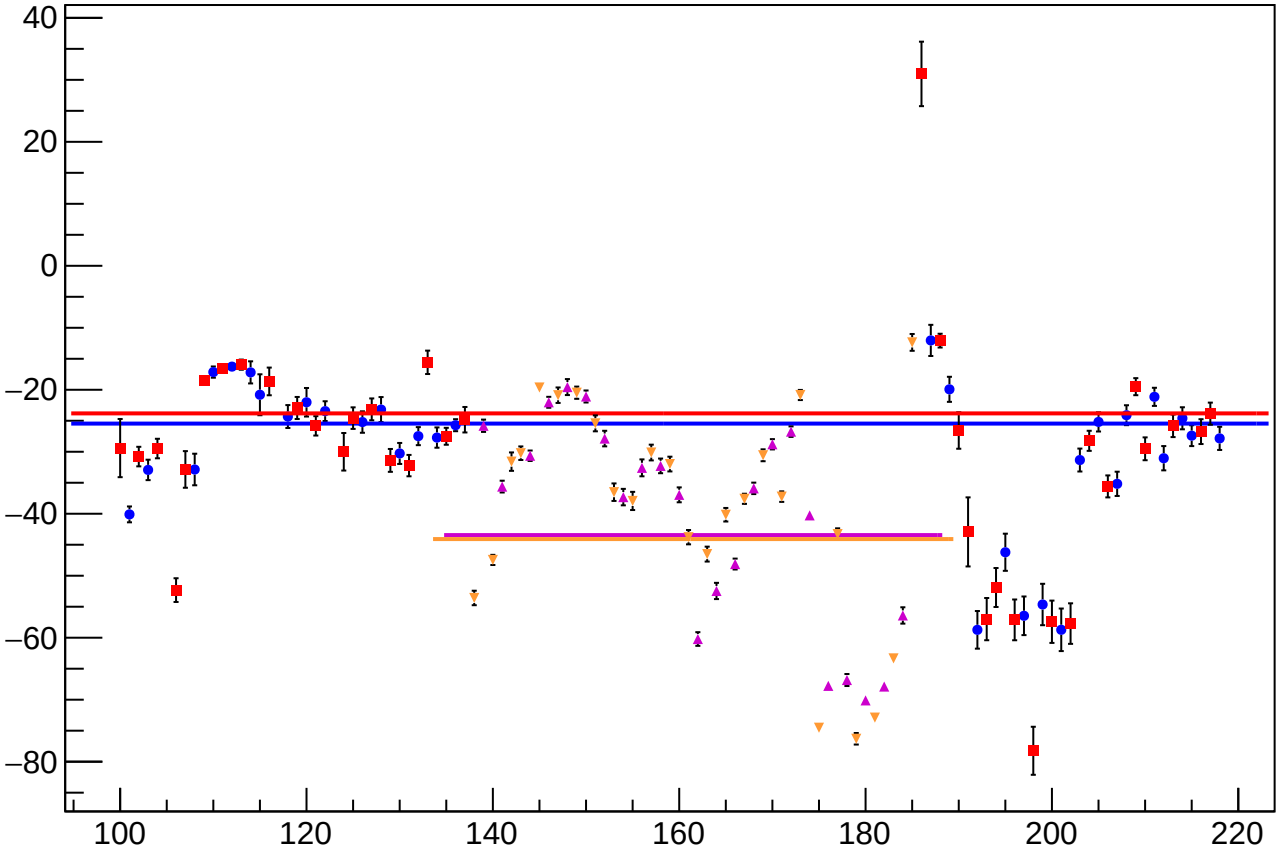
Left In: -0.236+/-0.009 χ^2/NDF:2961.3/22

+ sign -0.341+/-0.008 χ^2/NDF: 4424.5/56

All: -0.332+/-0.006 χ^2/NDF: 10443.5/115

- sign -0.323+/-0.008 χ^2/NDF: 6016.8/58

reg_asym_sam_48_dd_diff_bpm1X_slope vs Slug



Right In: -25.456+/-0.286 χ^2/NDF: 963.7/31

Left Out: -44.087+/-0.193 χ^2/NDF:10340.4/24

Right Out: -23.811+/-0.271 χ^2/NDF: 1560.9/35

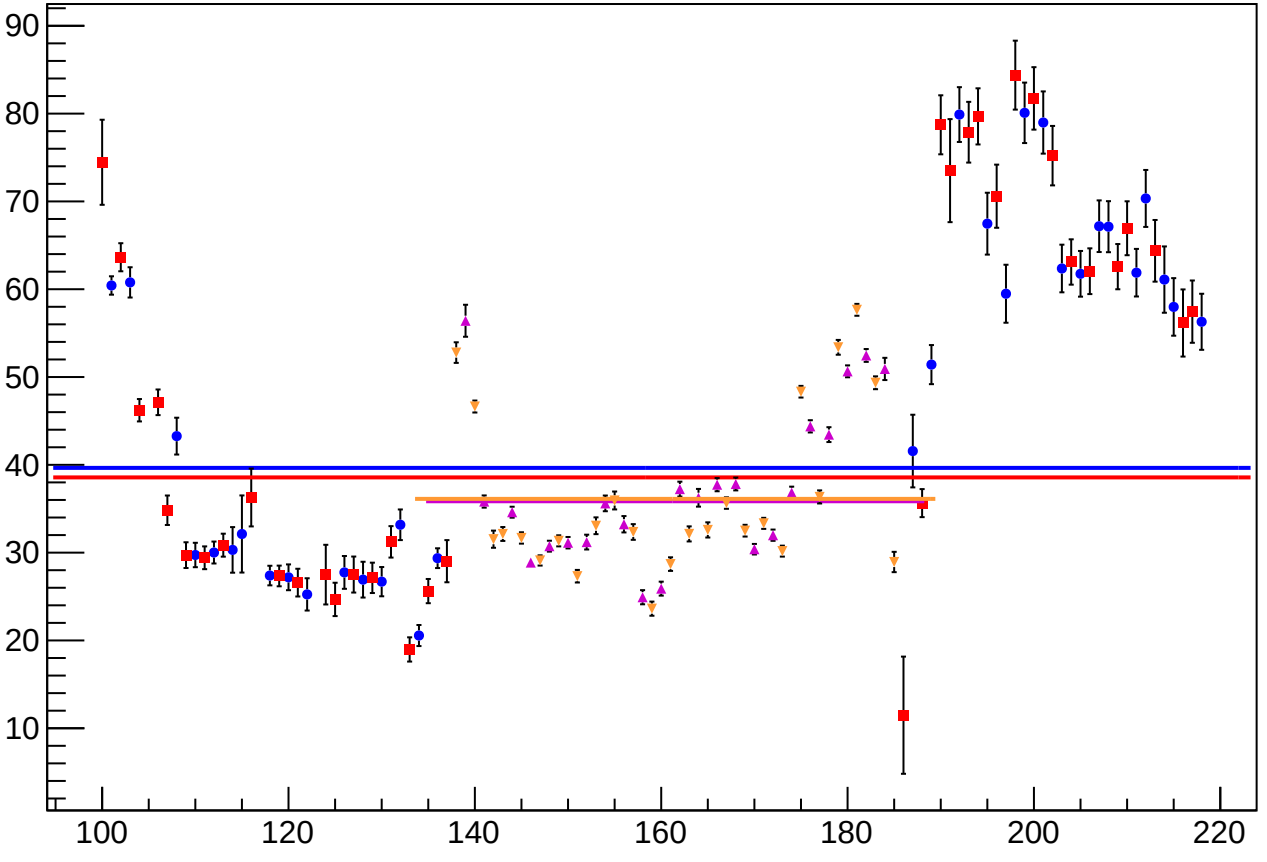
Left In: -43.444+/-0.199 χ^2/NDF:7820.5/22

\+ sign -38.269+/-0.160 χ^2/NDF: 14213.7/56

All: -37.433+/-0.113 χ^2/NDF: 27054.9/115

\- sign -36.595+/-0.160 χ^2/NDF: 12786.7/58

reg_asym_sam_48_dd_diff_bpm4aY_slope vs Slug



Right In: 39.653+/-0.337 χ^2/NDF: 2539.1/31

Left Out: 36.123+/-0.150 χ^2/NDF:3558.5/24

Right Out: 38.568+/-0.333 χ^2/NDF: 2525.4/35

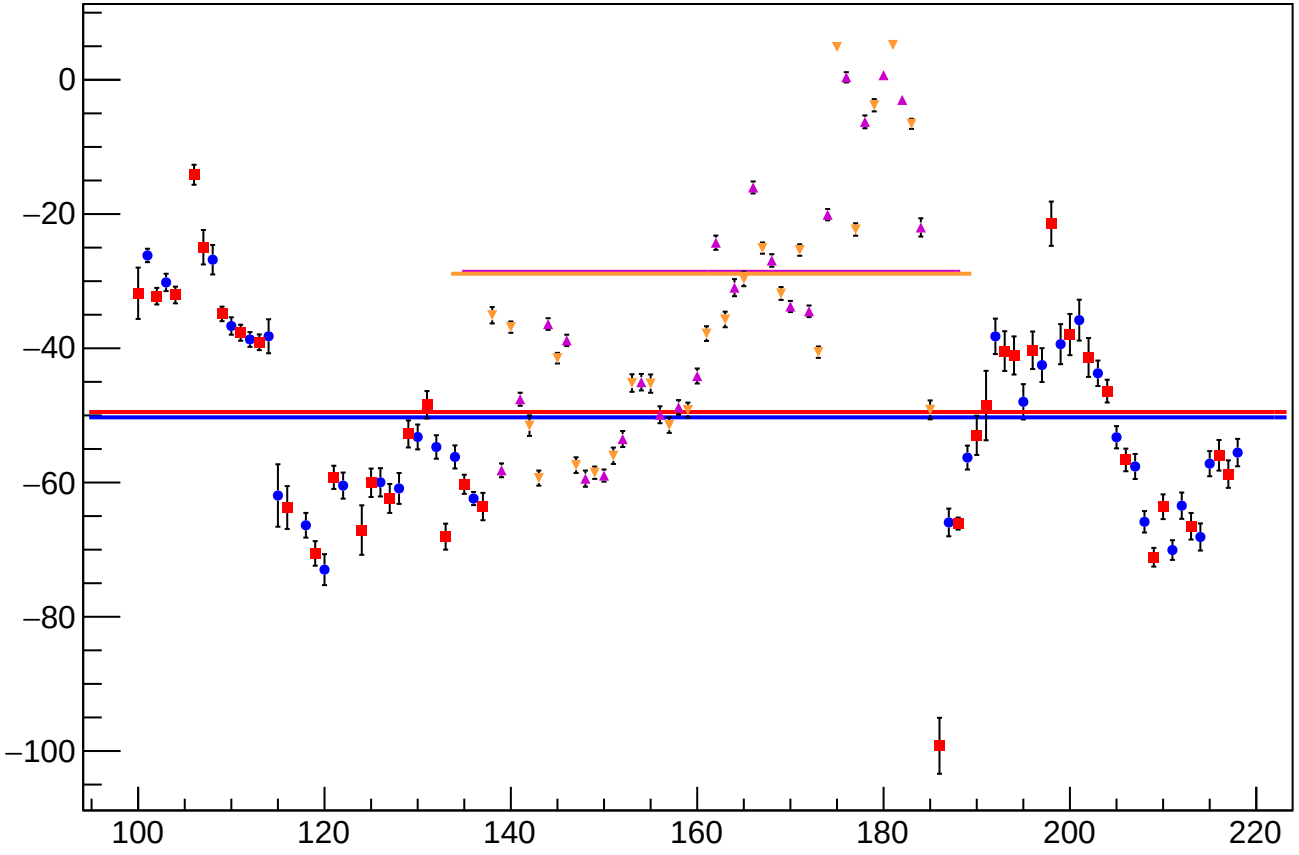
Left In: 35.852+/-0.155 χ^2/NDF:2293.5/22

+ sign 36.707+/-0.137 χ^2/NDF: 6189.2/56

All: 36.526+/-0.098 χ^2/NDF: 11066.3/115

- sign 36.335+/-0.140 χ^2/NDF: 4873.5/58

reg_asym_sam_48_dd_diff_bpm4eX_slope vs Slug



Right In: -50.288+/-0.307 χ^2/NDF: 2188.2/31

Left Out: -28.891+/-0.193 χ^2/NDF:11798.4/24

Right Out: -49.492+/-0.297 χ^2/NDF: 2927.0/35

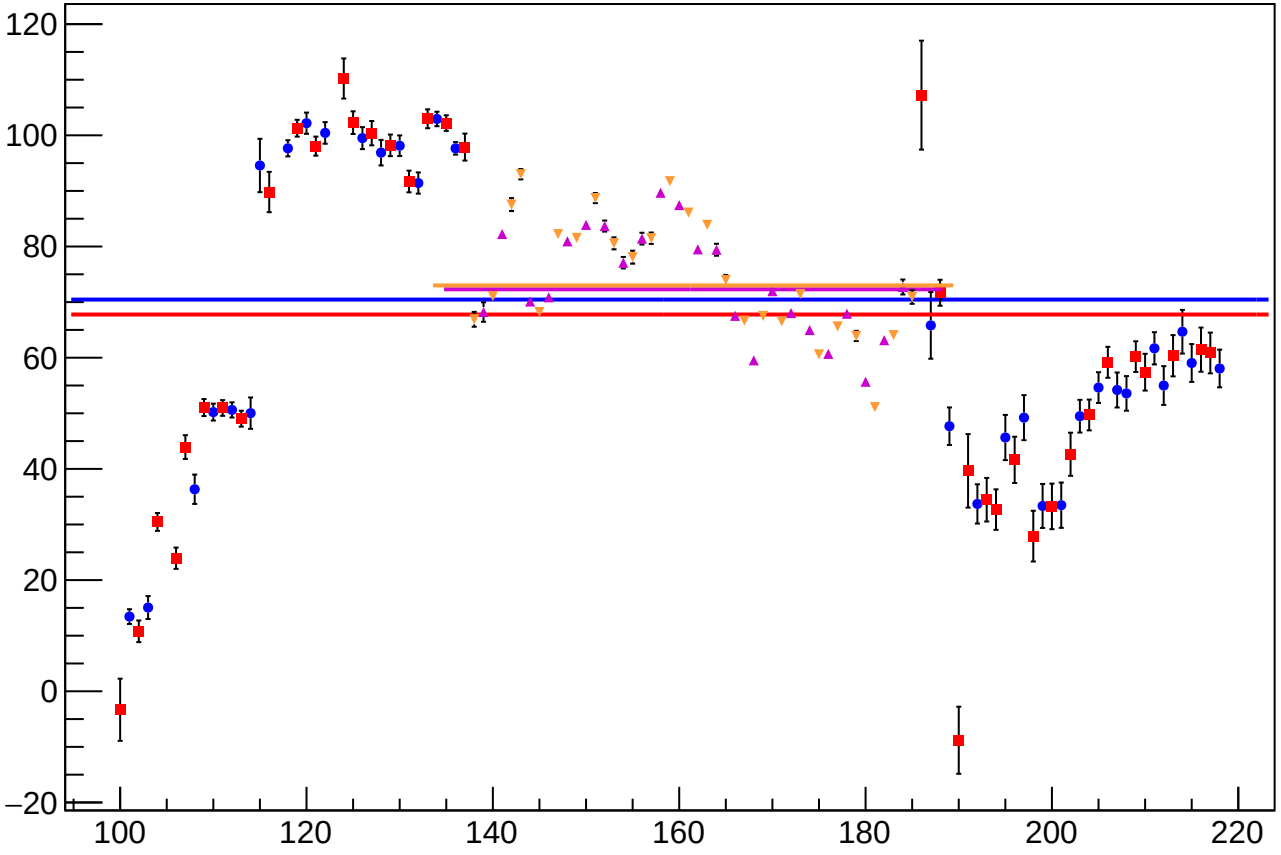
Left In: -28.605+/-0.198 χ^2/NDF:10014.7/22

+ sign -34.942+/-0.163 χ^2/NDF: 17471.0/56

All: -34.976+/-0.116 χ^2/NDF: 33834.0/115

- sign -35.011+/-0.165 χ^2/NDF: 16362.9/58

reg_asym_sam_48_dd_diff_bpm4eY_slope vs Slug



Right In: 70.458+/-0.383 χ^2/NDF: 6528.4/31

Left Out: 73.002+/-0.168 χ^2/NDF:4052.4/24

Right Out: 67.766+/-0.383 χ^2/NDF: 6375.1/35

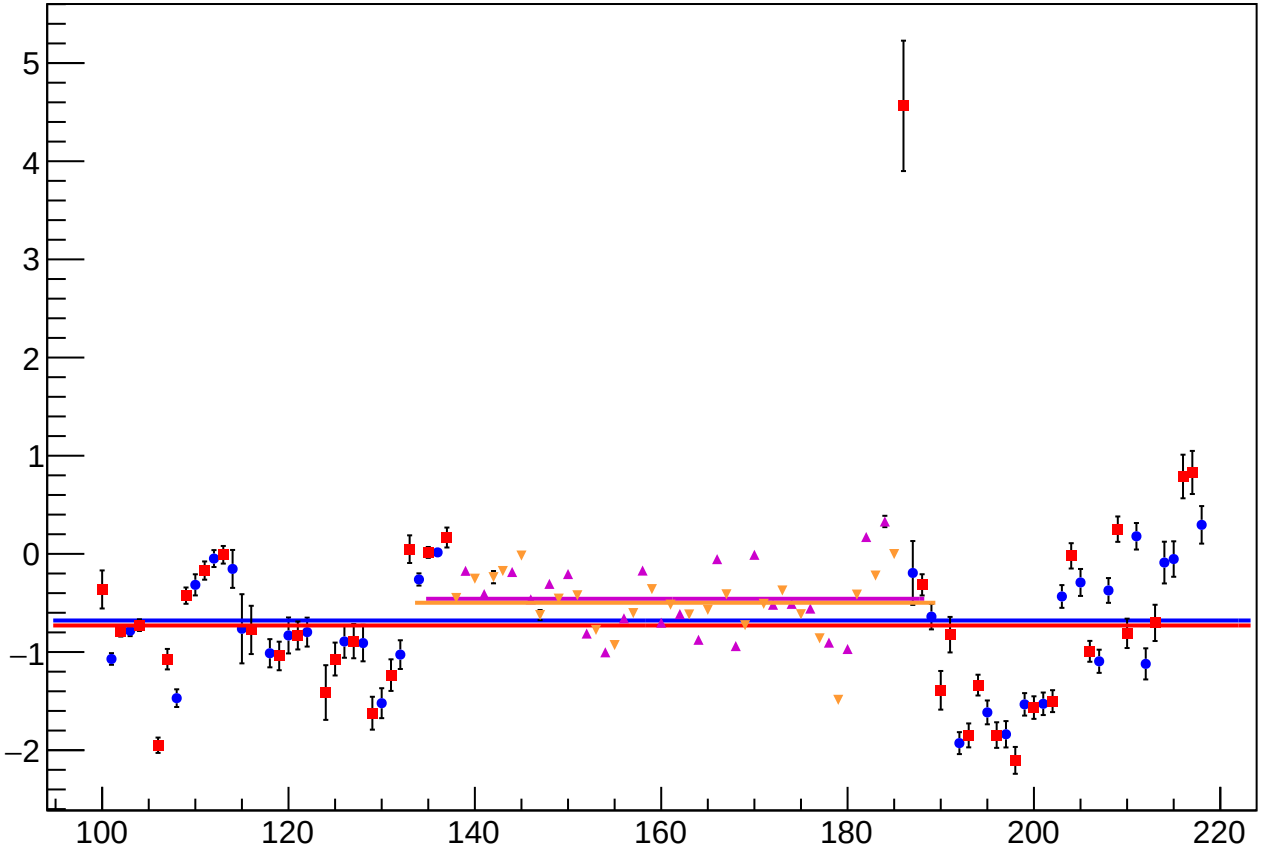
Left In: 72.302+/-0.173 χ^2/NDF:2912.6/22

+ sign 72.590+/-0.154 χ^2/NDF: 10617.7/56

All: 72.072+/-0.110 χ^2/NDF: 20045.0/115

- sign 71.530+/-0.158 χ^2/NDF: 9404.2/58

reg_asym_sam_48_dd_diff_bpm12X_slope vs Slug



Right In: -0.679+/-0.019 χ^2/NDF: 1016.4/31

Left Out: -0.498+/-0.008 χ^2/NDF:1482.9/24

Right Out: -0.729+/-0.018 χ^2/NDF: 1388.8/35

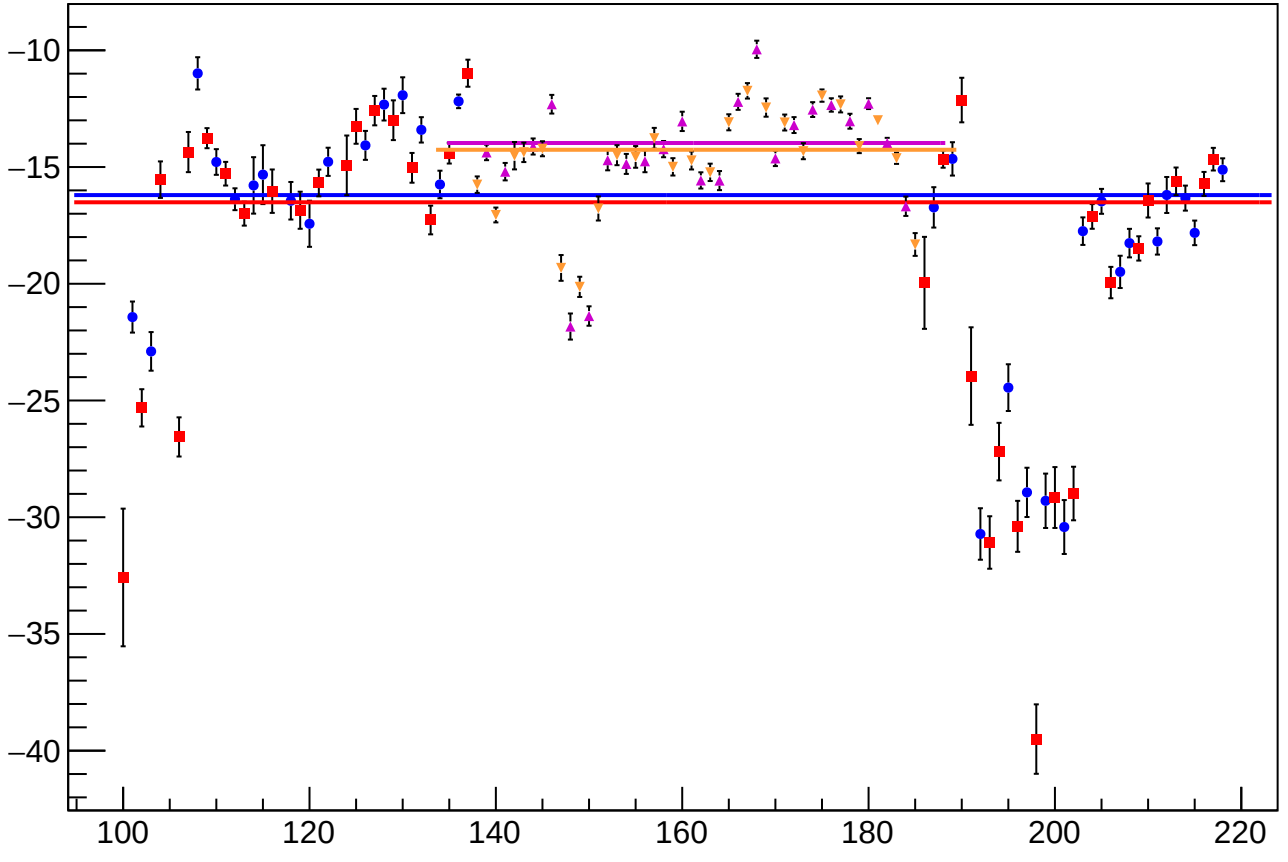
Left In: -0.458+/-0.008 χ^2/NDF:2103.1/22

+ sign -0.523+/-0.007 χ^2/NDF: 2580.1/56

All: -0.511+/-0.005 χ^2/NDF: 6263.3/115

- sign -0.497+/-0.007 χ^2/NDF: 3676.3/58

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs Slug



Right In: -16.202+/-0.112 χ^2/NDF: 1228.1/31

Left Out: -14.261+/-0.070 χ^2/NDF:724.0/24

Right Out: -16.510+/-0.112 χ^2/NDF: 1528.9/35

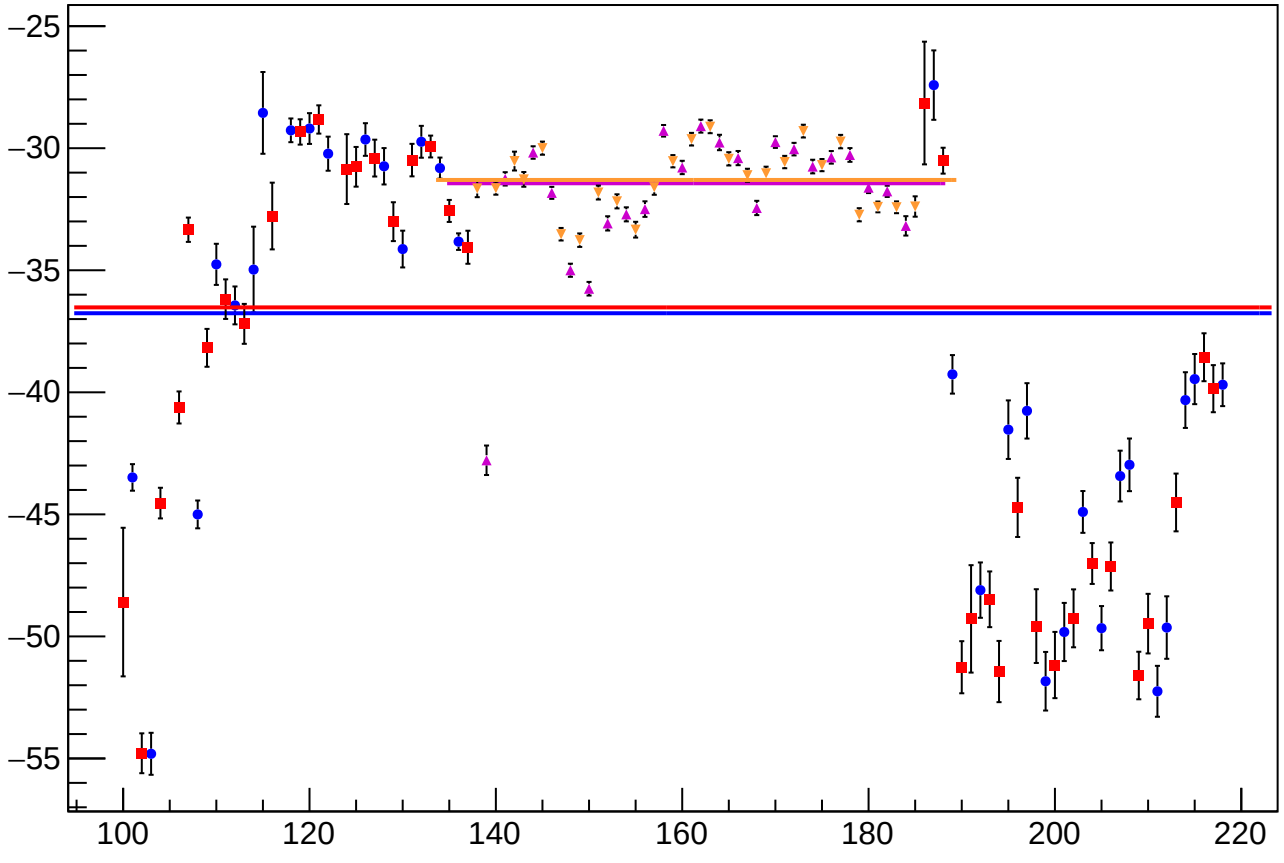
Left In: -13.970+/-0.072 χ^2/NDF:907.7/22

+ sign -14.801+/-0.059 χ^2/NDF: 2168.2/56

All: -14.758+/-0.042 χ^2/NDF: 4970.4/115

- sign -14.712+/-0.060 χ^2/NDF: 2801.1/58

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs Slug



Right In: -36.761+/-0.132 χ^2/NDF: 3050.6/31

Left Out: -31.301+/-0.055 χ^2/NDF:553.1/24

Right Out: -36.521+/-0.132 χ^2/NDF: 3335.6/35

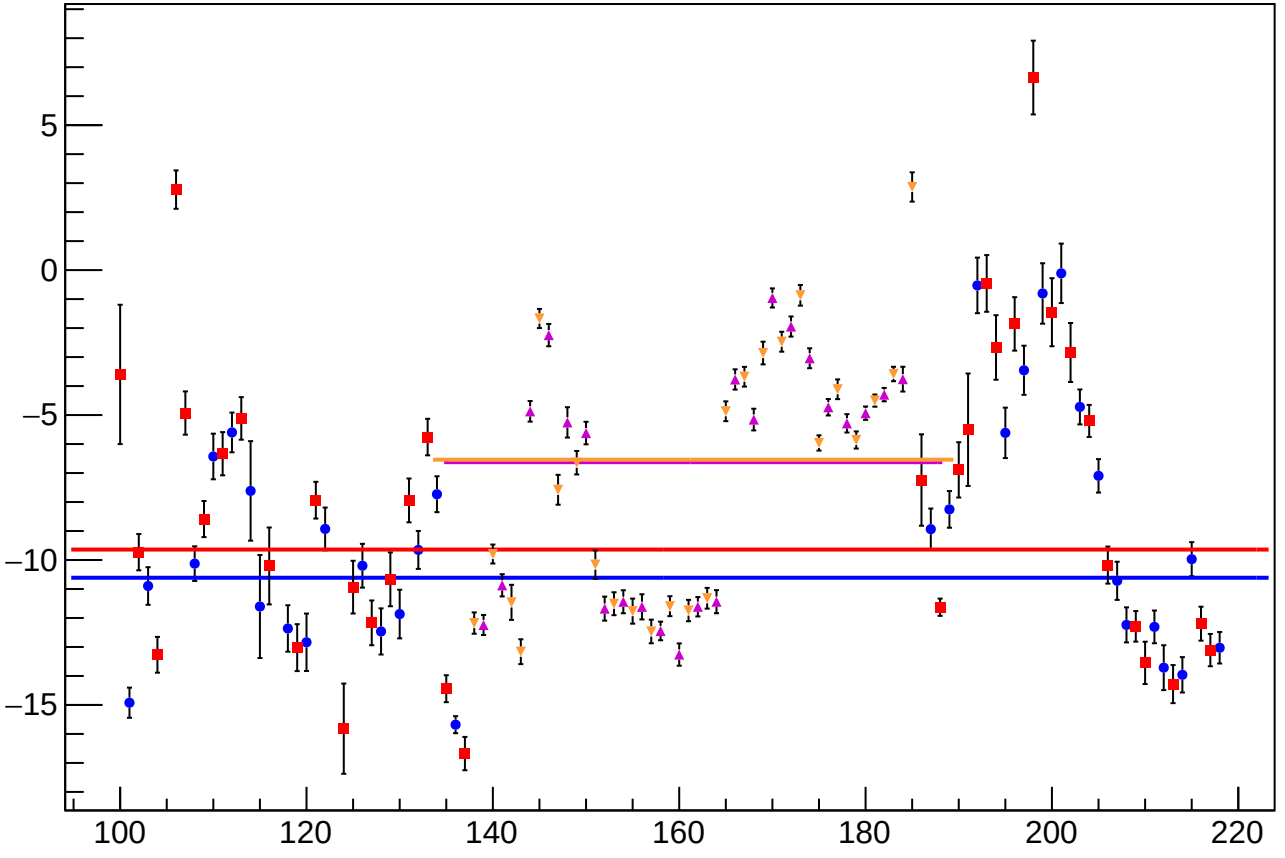
Left In: -31.436+/-0.057 χ^2/NDF:1214.8/22

+ sign -32.112+/-0.051 χ^2/NDF: 5056.3/56

All: -32.177+/-0.037 χ^2/NDF: 10864.1/115

- sign -32.246+/-0.053 χ^2/NDF: 5804.5/58

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs Slug



Right In: -10.612+/-0.116 χ^2/NDF: 1143.4/31

Left Out: -6.540+/-0.070 χ^2/NDF:3242.5/24

Right Out: -9.640+/-0.116 χ^2/NDF: 1590.1/35

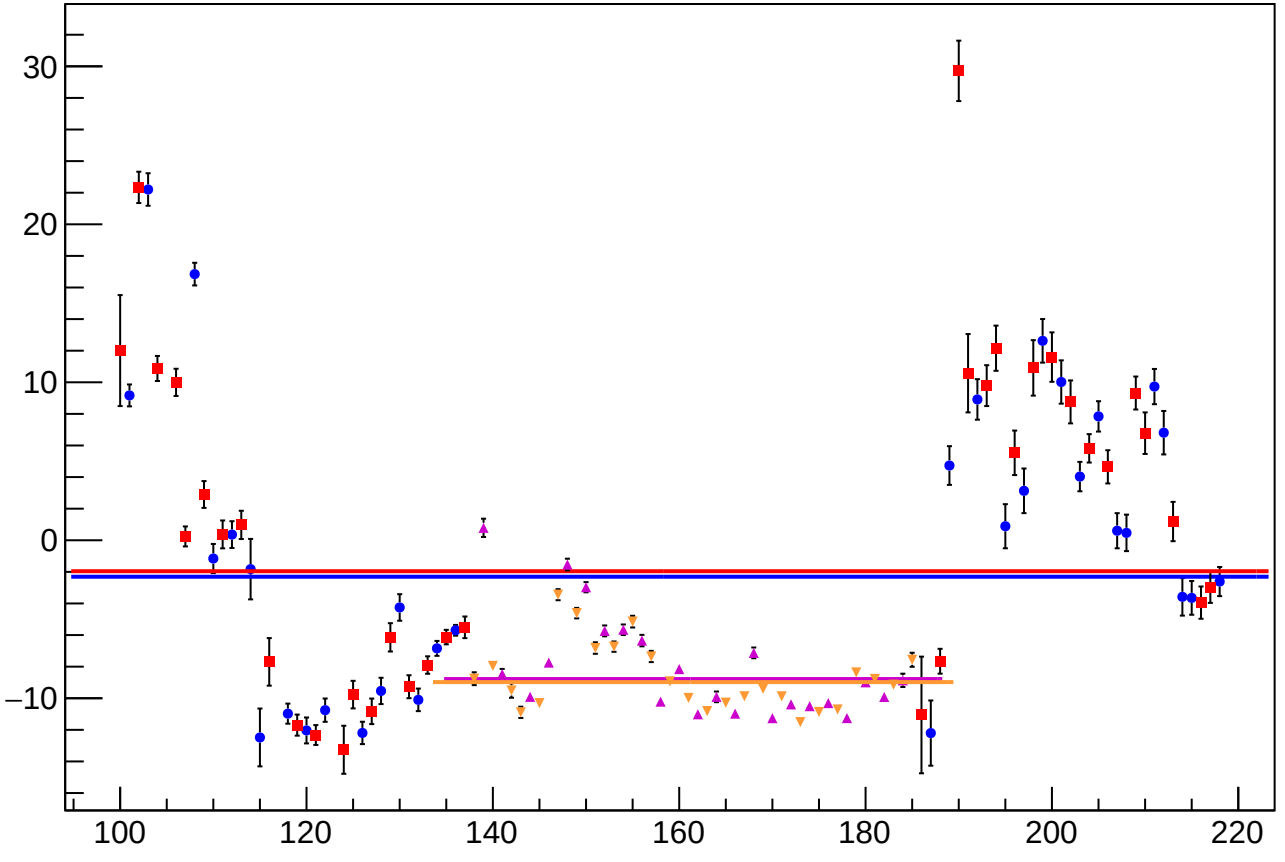
Left In: -6.625+/-0.071 χ^2/NDF:2908.0/22

+ sign -7.610+/-0.060 χ^2/NDF: 5287.2/56

All: -7.535+/-0.043 χ^2/NDF: 10280.2/115

- sign -7.457+/-0.061 χ^2/NDF: 4989.8/58

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs Slug



Right In: -2.307+/-0.149 χ^2/NDF: 3325.7/31

Left Out: -8.977+/-0.061 χ^2/NDF:972.0/24

Right Out: -1.959+/-0.152 χ^2/NDF: 3281.7/35

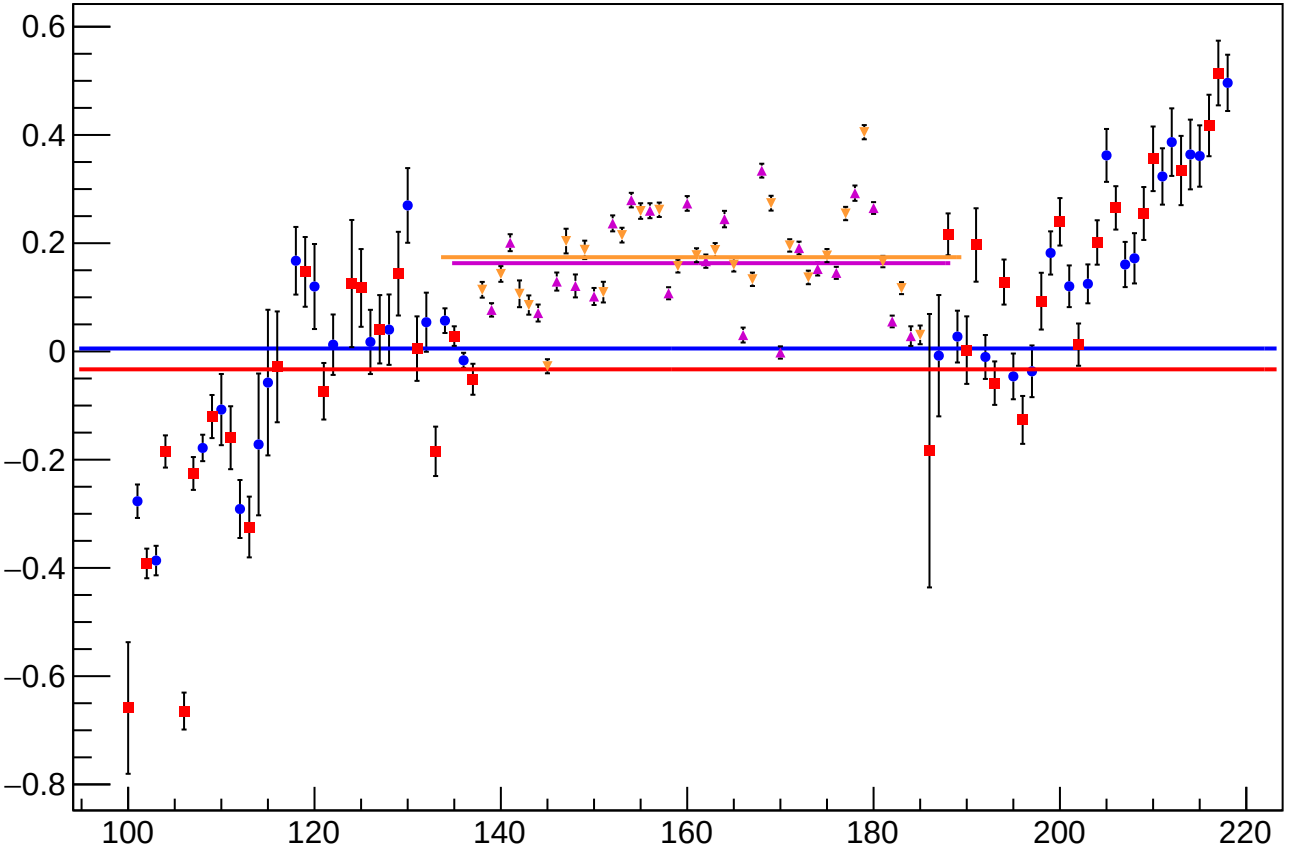
Left In: -8.785+/-0.063 χ^2/NDF:1685.0/22

+ sign -8.003+/-0.057 χ^2/NDF: 6018.5/56

All: -7.889+/-0.041 χ^2/NDF: 12719.1/115

- sign -7.769+/-0.059 χ^2/NDF: 6692.4/58

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs Slug



Right In: 0.005+/-0.007 χ^2/NDF: 770.5/31

Left Out: 0.174+/-0.003 χ^2/NDF:922.9/24

Right Out: -0.033+/-0.007 χ^2/NDF: 1152.3/35

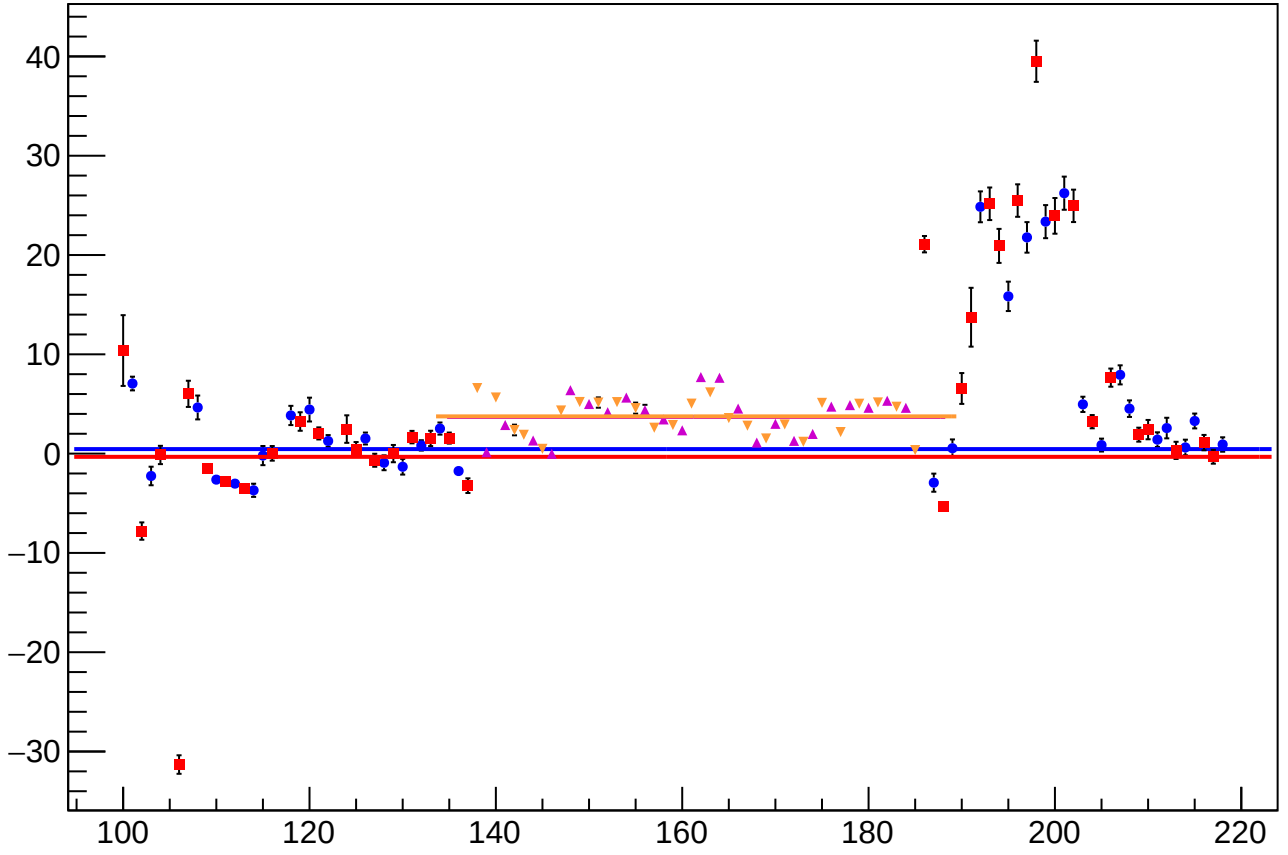
Left In: 0.163+/-0.003 χ^2/NDF:1195.1/22

+ sign 0.152+/-0.003 χ^2/NDF: 2206.8/56

All: 0.145+/-0.002 χ^2/NDF: 5215.4/115

- sign 0.138+/-0.003 χ^2/NDF: 2994.0/58

reg_asym_sam_15_37_dd_diff_bpm1X_slope vs Slug



Right In: 0.456+/-0.117 χ^2/NDF: 1604.4/31

Left Out: 3.750+/-0.062 χ^2/NDF:809.8/24

Right Out: -0.324+/-0.112 χ^2/NDF: 3864.6/35

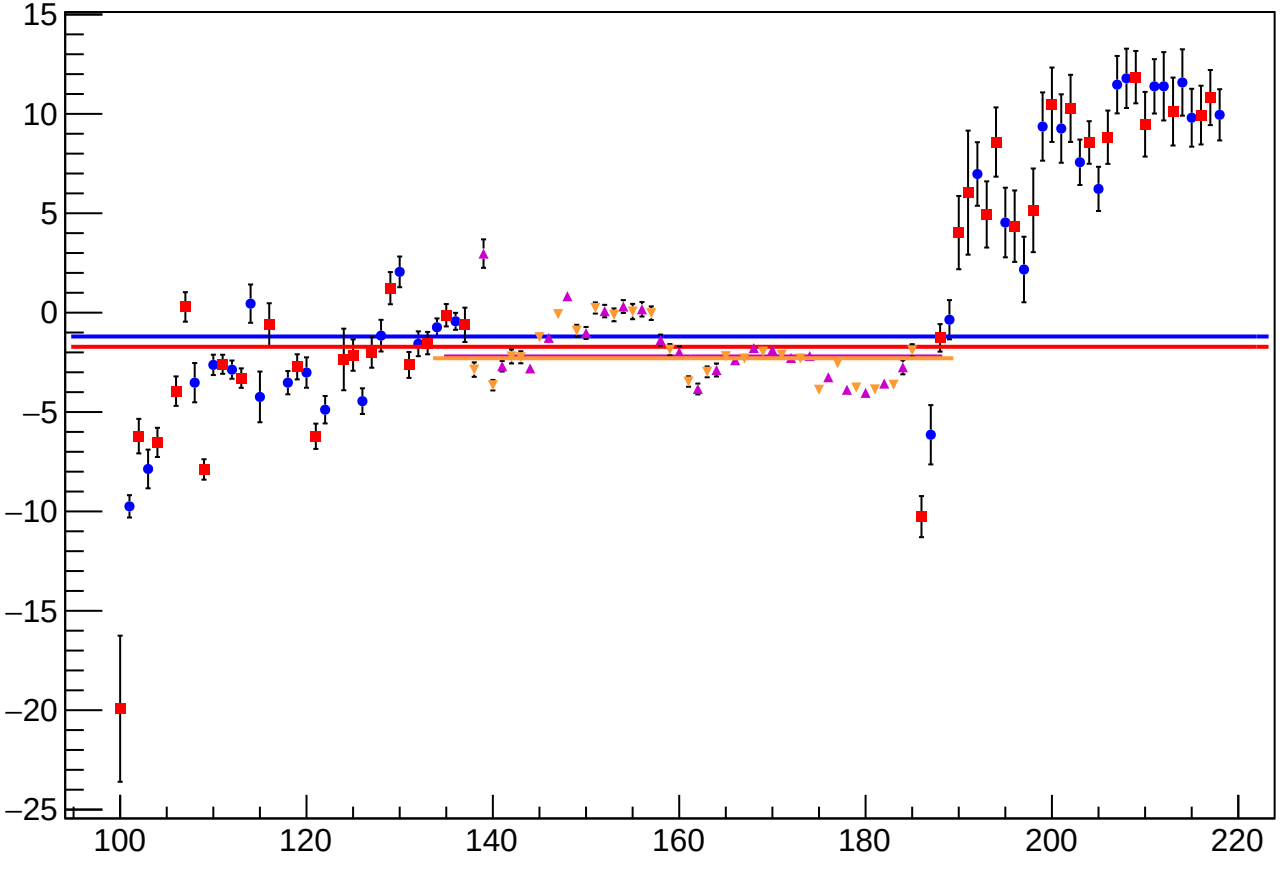
Left In: 3.688+/-0.064 χ^2/NDF:953.3/22

+ sign 3.031+/-0.055 χ^2/NDF: 3031.0/56

All: 2.865+/-0.039 χ^2/NDF: 8842.0/115

- sign 2.696+/-0.055 χ^2/NDF: 5792.5/58

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs Slug



Right In: -1.200+/-0.143 χ^2/NDF: 1122.8/31

Left Out: -2.294+/-0.050 χ^2/NDF:631.5/24

Right Out: -1.718+/-0.142 χ^2/NDF: 1097.3/35

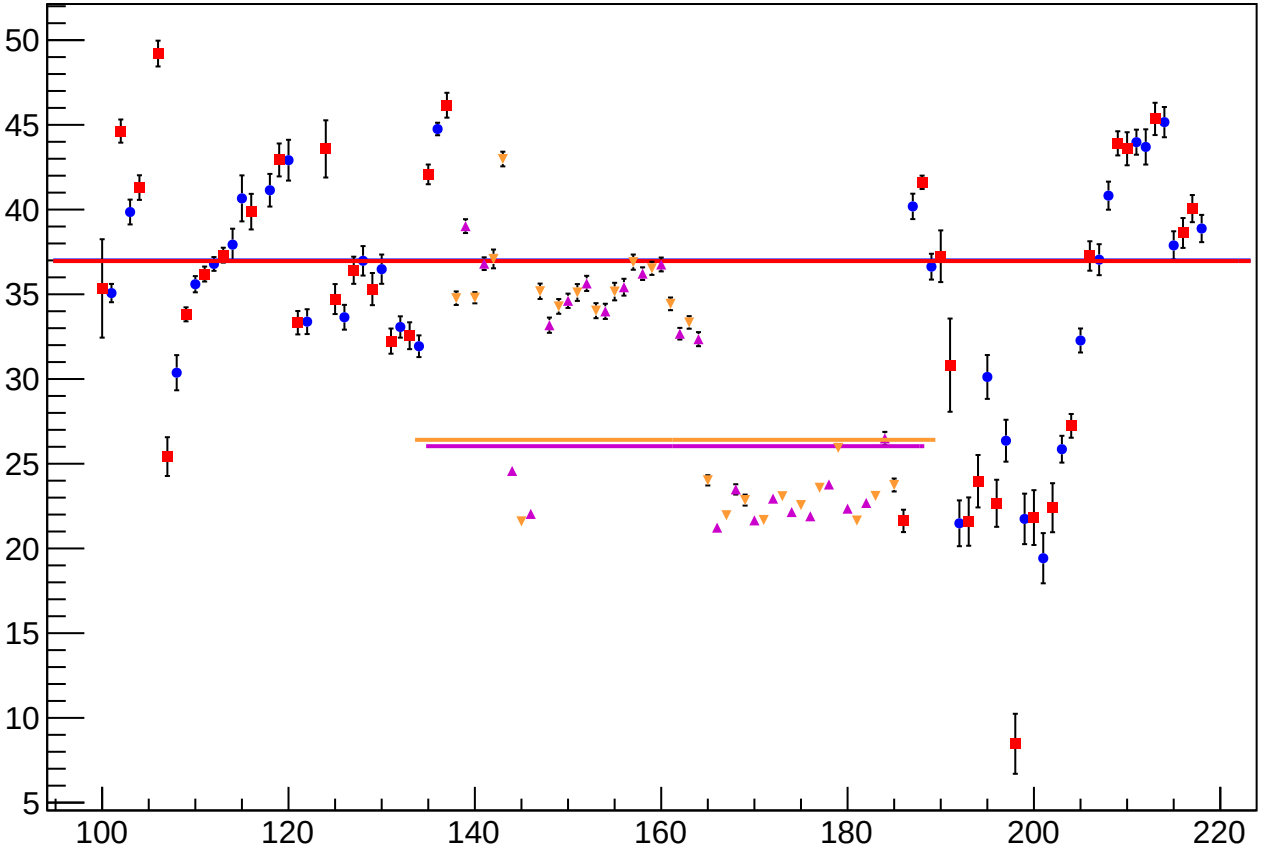
Left In: -2.204+/-0.051 χ^2/NDF:724.7/22

+ sign -2.177+/-0.047 χ^2/NDF: 1806.7/56

All: -2.163+/-0.033 χ^2/NDF: 3639.2/115

- sign -2.149+/-0.048 χ^2/NDF: 1832.3/58

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs Slug



Right In: 36.996+/-0.131 χ^2/NDF: 1697.6/31

Left Out: 26.411+/-0.062 χ^2/NDF:9222.2/24

Right Out: 36.960+/-0.127 χ^2/NDF: 2840.9/35

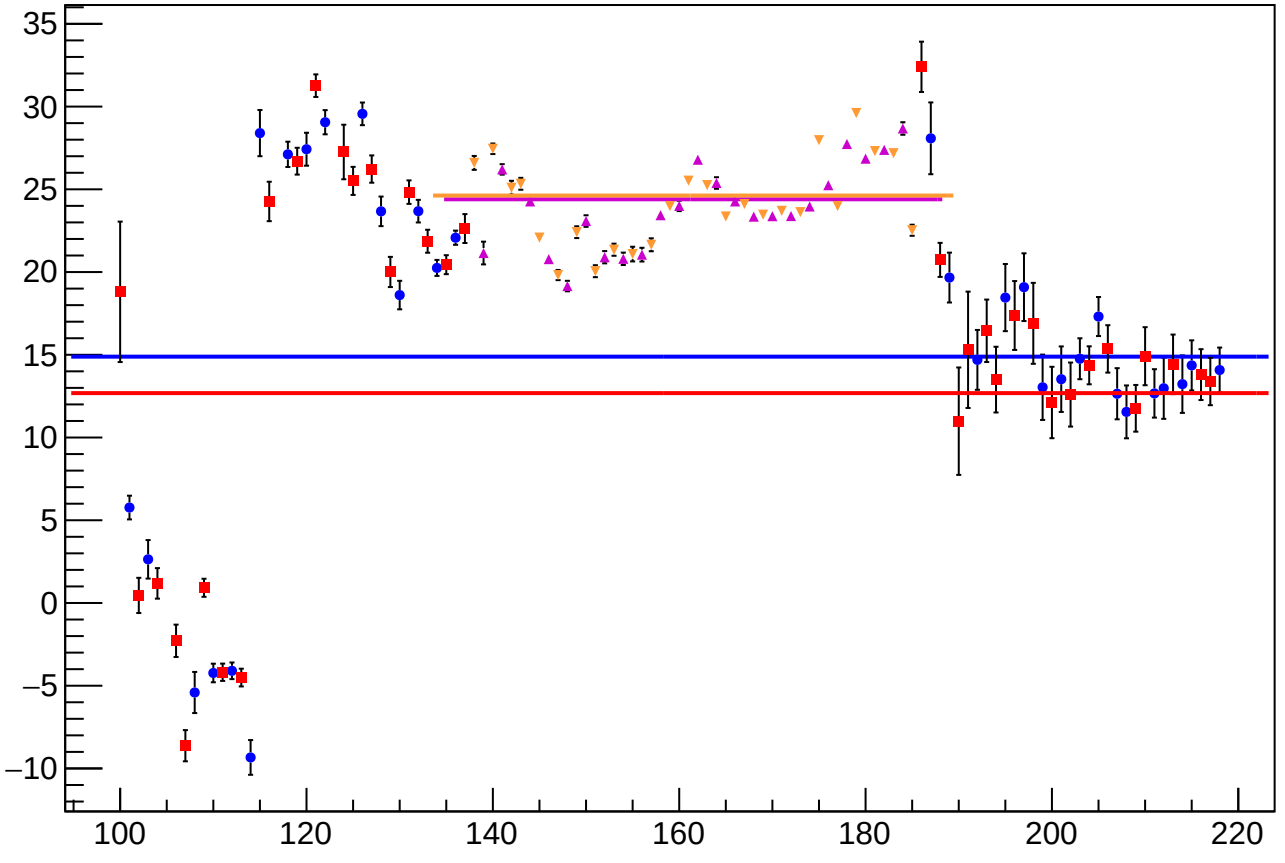
Left In: 26.036+/-0.064 χ^2/NDF:7842.9/22

+ sign 28.359+/-0.056 χ^2/NDF: 16236.0/56

All: 28.294+/-0.040 χ^2/NDF: 32791.4/115

- sign 28.228+/-0.057 χ^2/NDF: 16552.7/58

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs Slug



Right In: 14.887+/-0.160 χ^2/NDF: 5757.7/31

Left Out: 24.624+/-0.055 χ^2/NDF:1950.7/24

Right Out: 12.684+/-0.162 χ^2/NDF: 6374.5/35

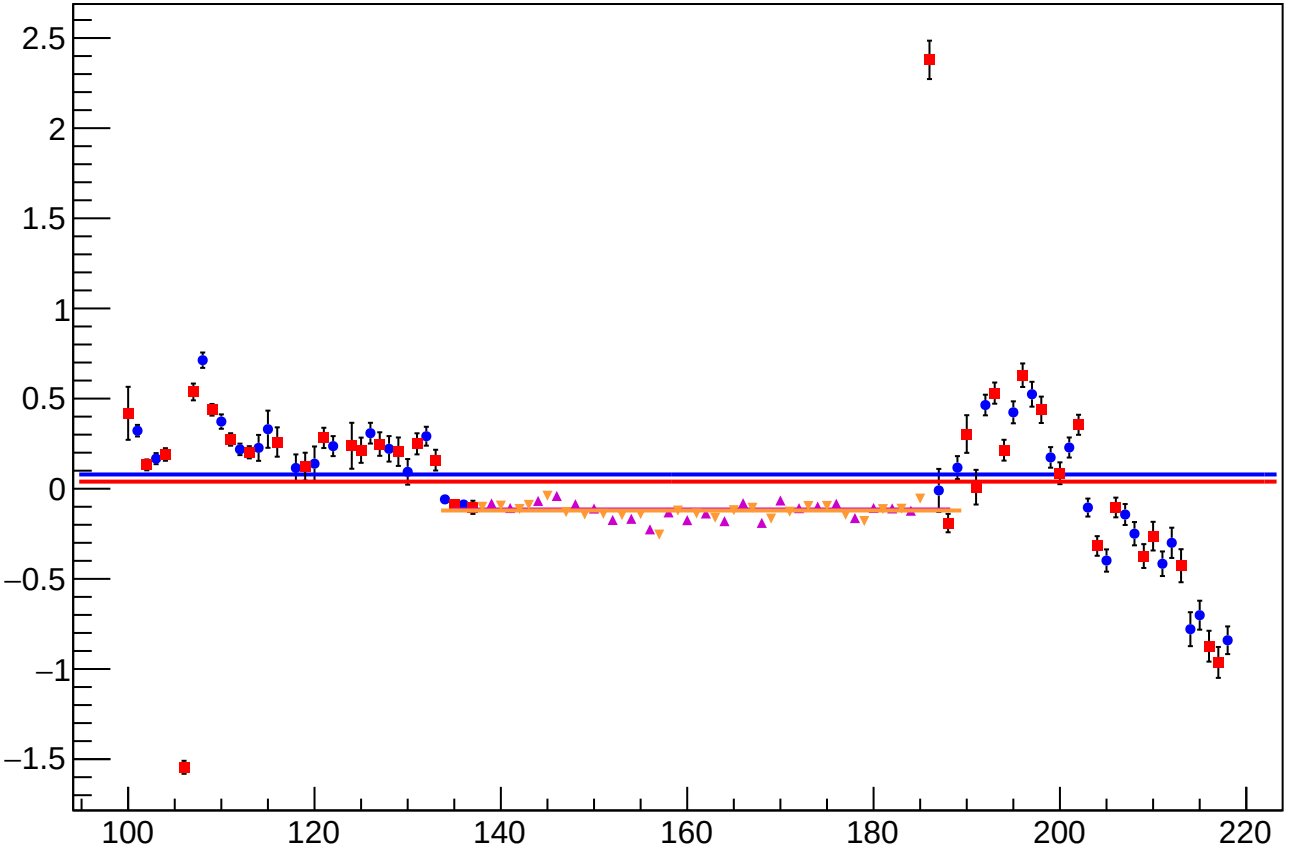
Left In: 24.397+/-0.056 χ^2/NDF:1715.6/22

+ sign 23.584+/-0.052 χ^2/NDF: 11034.6/56

All: 23.359+/-0.037 χ^2/NDF: 23840.2/115

- sign 23.124+/-0.053 χ^2/NDF: 12767.6/58

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs Slug



Right In: 0.079+/-0.008 χ^2/NDF: 1179.4/31

Left Out: -0.121+/-0.002 χ^2/NDF:262.9/24

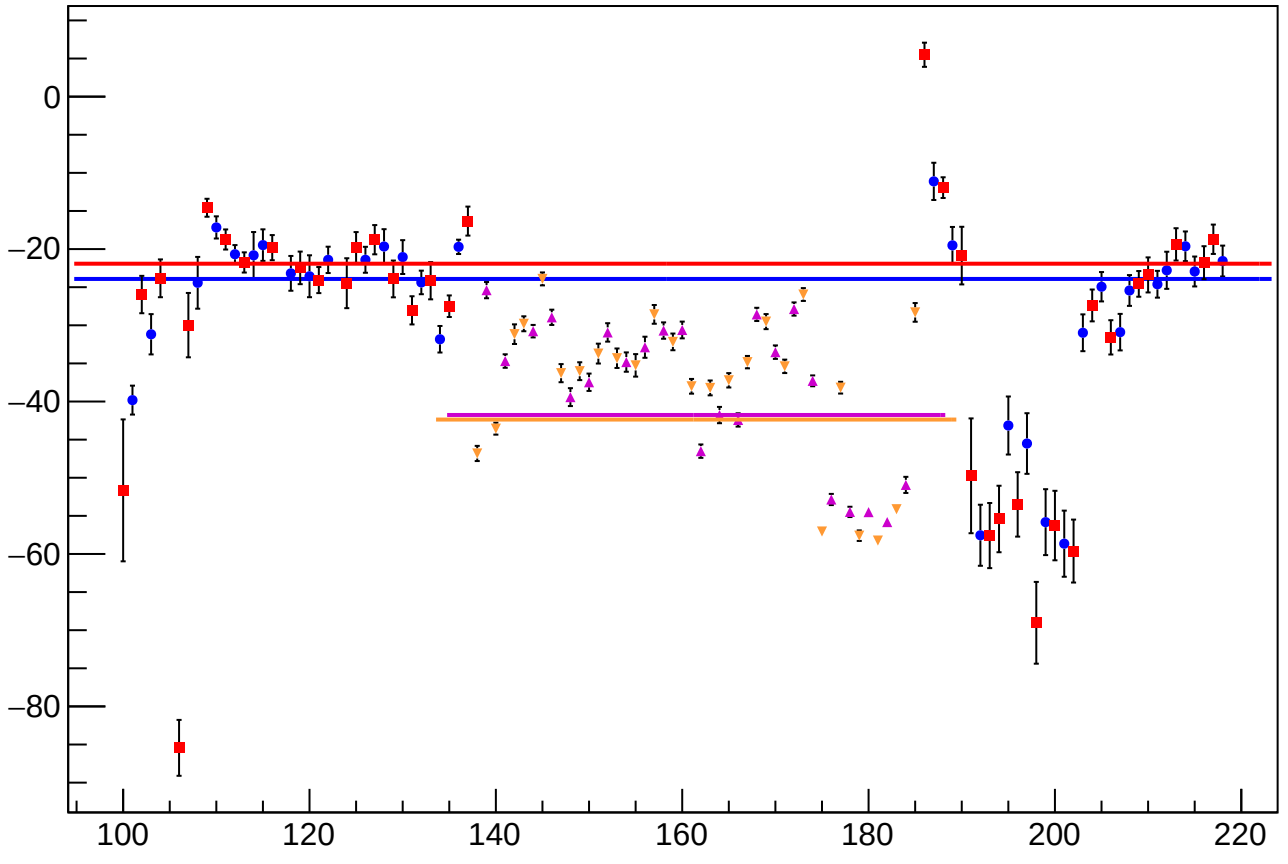
Right Out: 0.039+/-0.008 χ^2/NDF: 3526.9/35

Left In: -0.115+/-0.003 χ^2/NDF:290.7/22

+ sign -0.104+/-0.002 χ^2/NDF: 1992.0/56

All: -0.103+/-0.002 χ^2/NDF: 6121.8/115

- sign -0.103+/-0.002 χ^2/NDF: 4129.6/58



Right In: -23.918+/-0.352 χ^2/NDF: 462.2/31

Left Out: -42.366+/-0.175 χ^2/NDF:4477.3/24

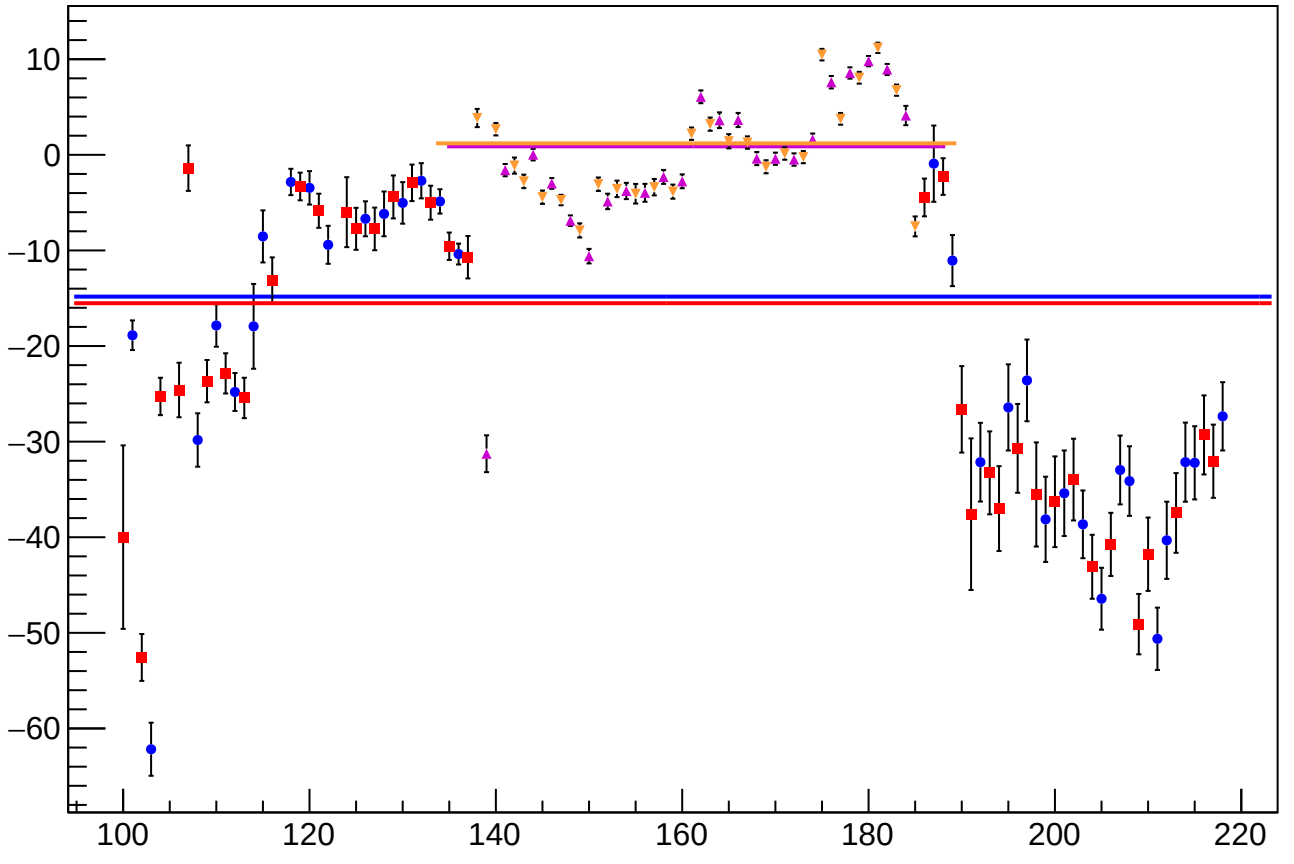
Right Out: -21.918+/-0.347 χ^2/NDF: 1207.0/35

Left In: -41.764+/-0.182 χ^2/NDF:3459.2/22

+ sign -38.708+/-0.157 χ^2/NDF: 7137.7/56

All: -38.120+/-0.112 χ^2/NDF: 14395.0/115

- sign -37.501+/-0.161 χ^2/NDF: 7228.4/58



Right In: -14.831+/-0.408 χ^2/NDF: 1155.4/31

Left Out: 1.203+/-0.138 χ^2/NDF:1463.6/24

Right Out: -15.520+/-0.418 χ^2/NDF: 1149.4/35

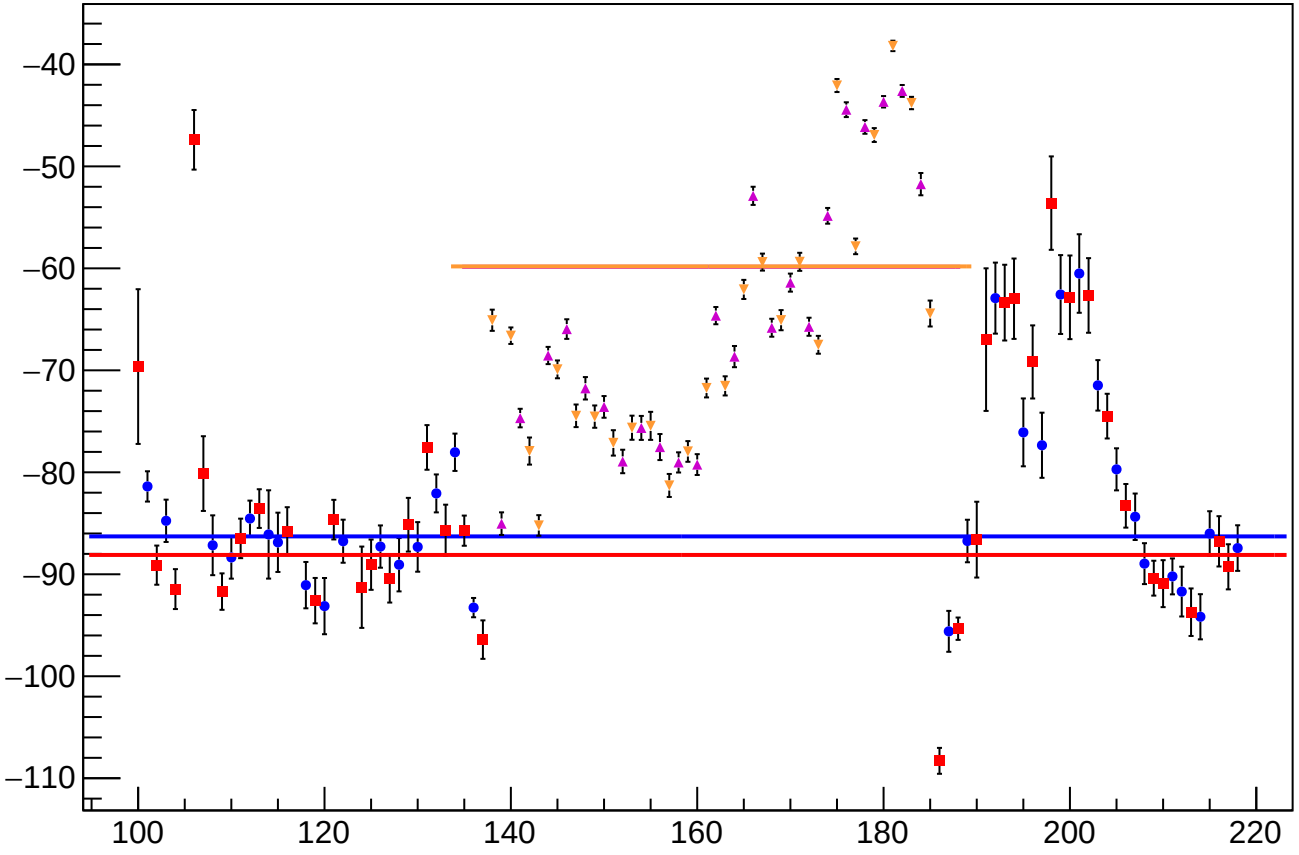
Left In: 0.889+/-0.143 χ^2/NDF:1763.7/22

+ sign -0.449+/-0.131 χ^2/NDF: 4007.4/56

All: -0.634+/-0.094 χ^2/NDF: 8306.0/115

- sign -0.831+/-0.135 χ^2/NDF: 4294.6/58

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs Slug



Right In: -86.286+/-0.374 χ^2/NDF: 343.1/31

Left Out: -59.809+/-0.175 χ^2/NDF:6645.1/24

Right Out: -88.104+/-0.369 χ^2/NDF: 890.4/35

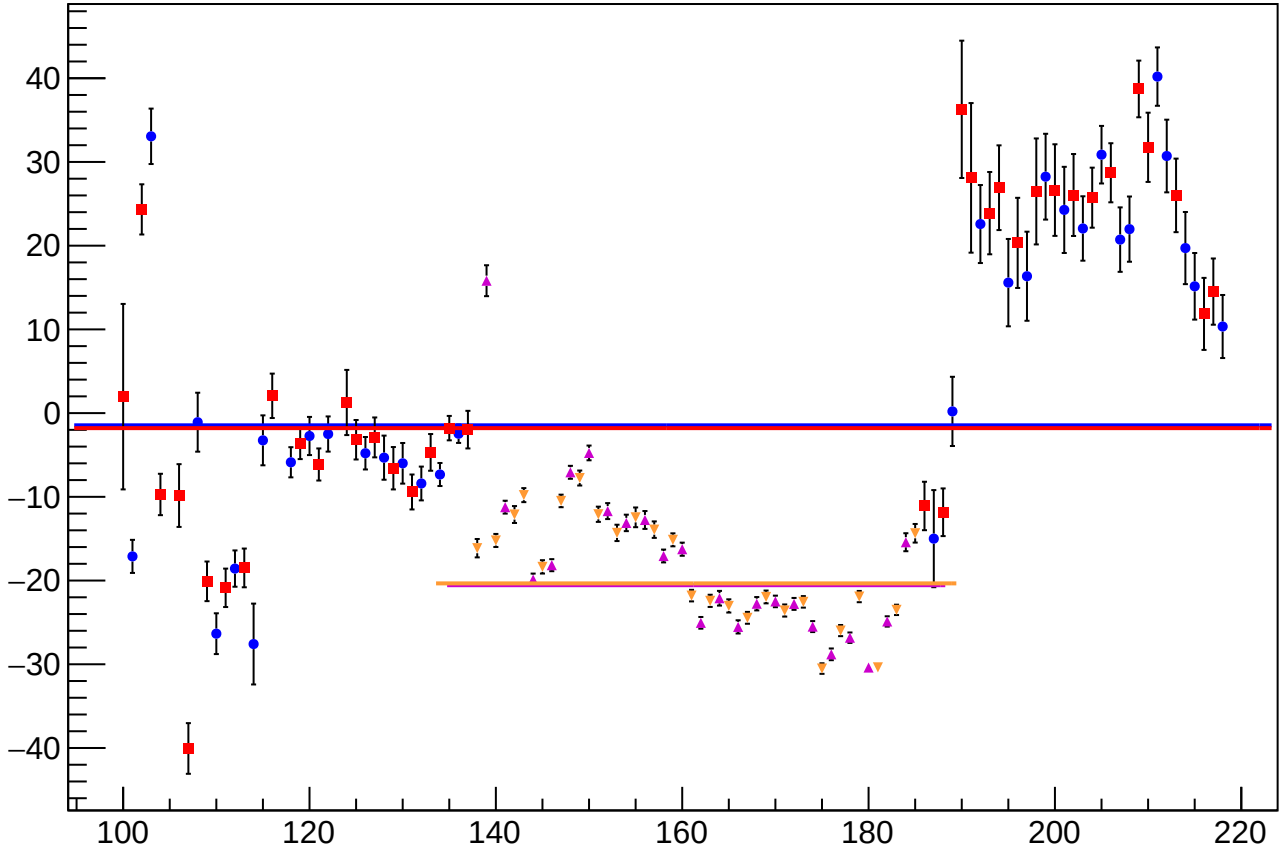
Left In: -59.846+/-0.181 χ^2/NDF:5534.1/22

+ sign -64.582+/-0.159 χ^2/NDF: 11100.0/56

All: -64.951+/-0.114 χ^2/NDF: 22270.1/115

- sign -65.339+/-0.163 χ^2/NDF: 11159.1/58

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs Slug



Right In: -1.459+/-0.458 χ^2/NDF: 970.8/31

Left Out: -20.339+/-0.155 χ^2/NDF:1701.1/24

Right Out: -1.795+/-0.479 χ^2/NDF: 1081.1/35

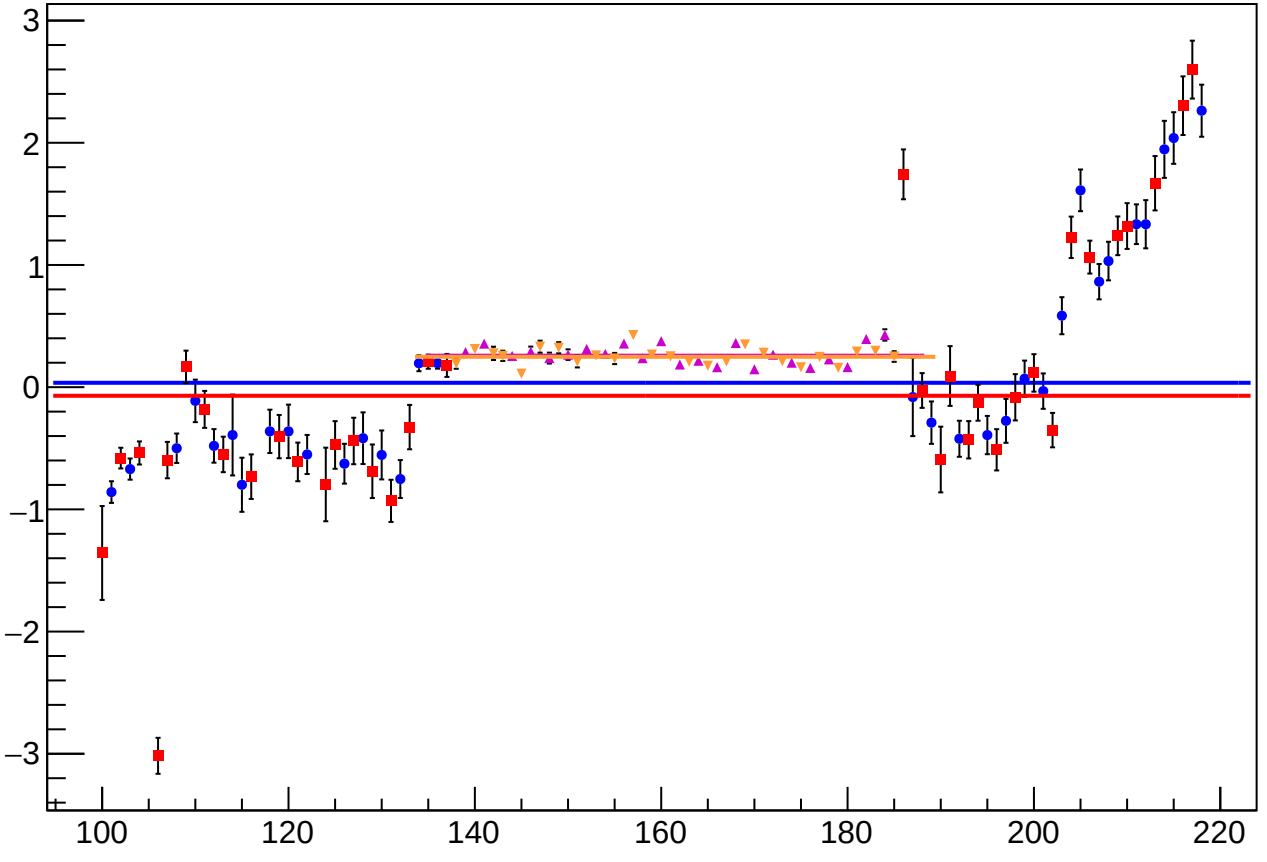
Left In: -20.555+/-0.160 χ^2/NDF:2193.8/22

+ sign -18.408+/-0.146 χ^2/NDF: 4197.5/56

All: -18.538+/-0.105 χ^2/NDF: 8857.1/115

- sign -18.678+/-0.151 χ^2/NDF: 4658.0/58

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs Slug



Right In: 0.036+/-0.023 χ^2/NDF: 883.2/31

Left Out: 0.249+/-0.007 χ^2/NDF:93.2/24

Right Out: -0.070+/-0.024 χ^2/NDF: 1247.1/35

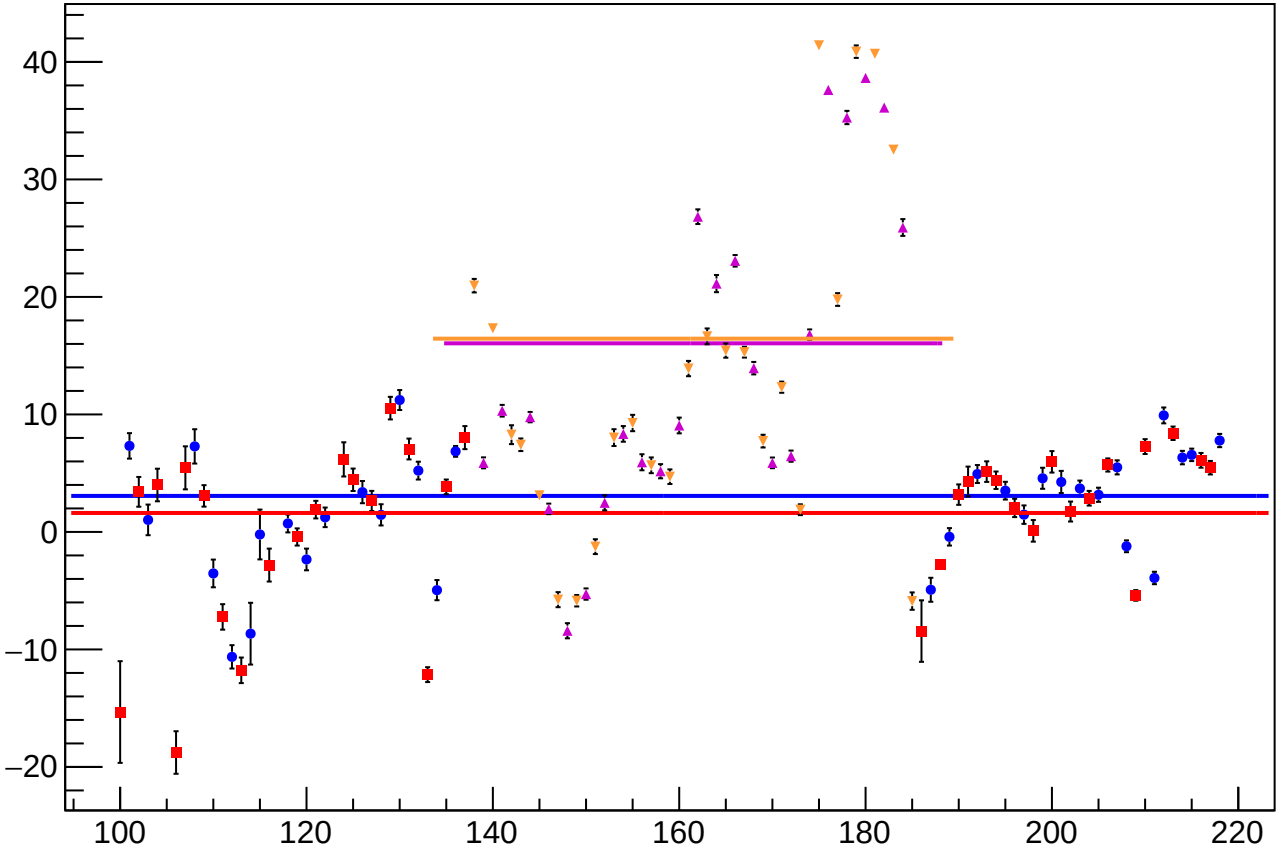
Left In: 0.258+/-0.007 χ^2/NDF:134.3/22

+ sign 0.230+/-0.007 χ^2/NDF: 1056.7/56

All: 0.231+/-0.005 χ^2/NDF: 2609.0/115

- sign 0.231+/-0.007 χ^2/NDF: 1552.3/58

reg_asym_sam_26_48_dd_diff_bpm1X_slope vs Slug



Right In: 3.066+/-0.132 χ^2/NDF: 1188.0/31

Left Out: 16.449+/-0.104 χ^2/NDF:21400.3/24

Right Out: 1.614+/-0.129 χ^2/NDF: 1888.3/35

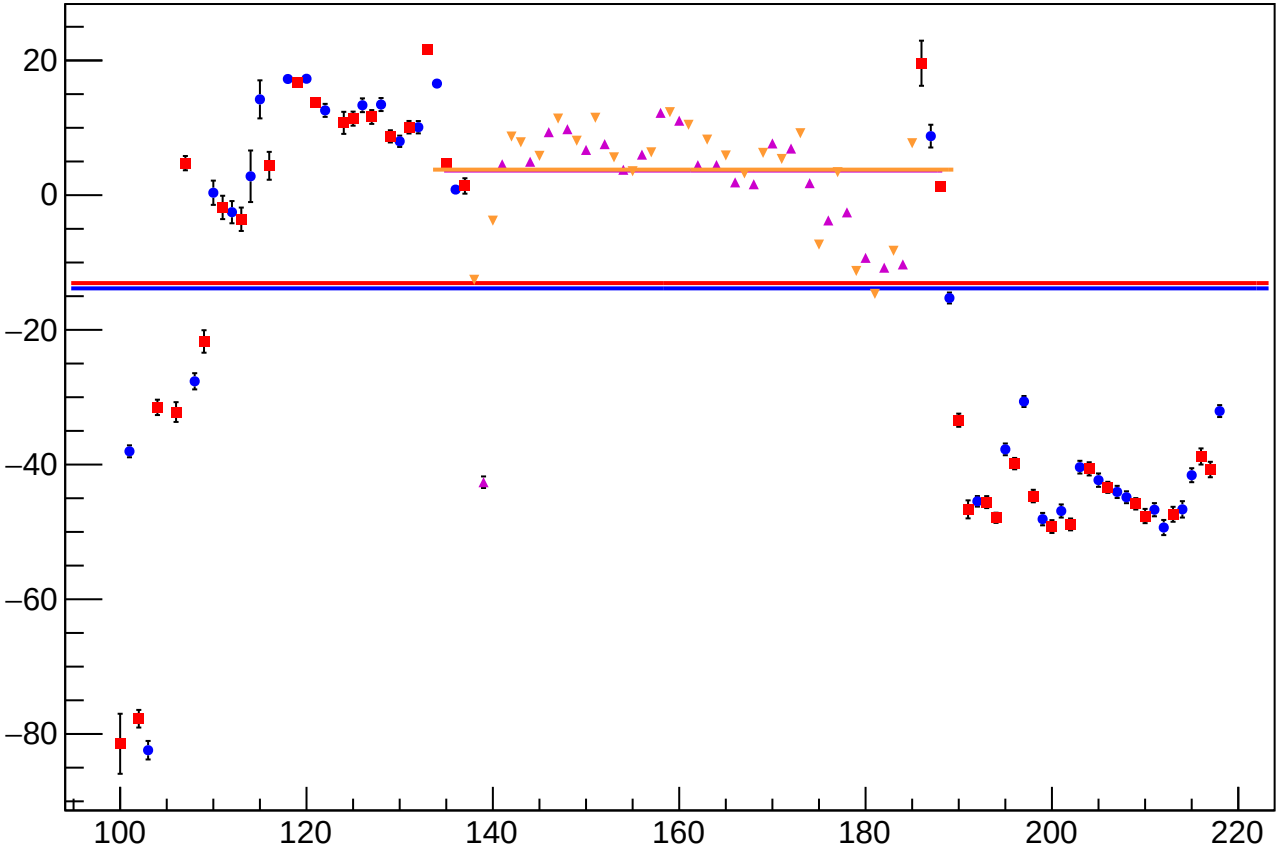
Left In: 16.051+/-0.107 χ^2/NDF:17625.1/22

+ sign 11.325+/-0.082 χ^2/NDF: 28926.7/56

All: 10.757+/-0.058 χ^2/NDF: 55913.1/115

- sign 10.177+/-0.083 χ^2/NDF: 26888.6/58

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs Slug



Right In: -13.842+/-0.157 χ^2/NDF: 31117.1/31

Left Out: 3.790+/-0.080 χ^2/NDF:9100.7/24

Right Out: -13.057+/-0.152 χ^2/NDF: 35272.9/35

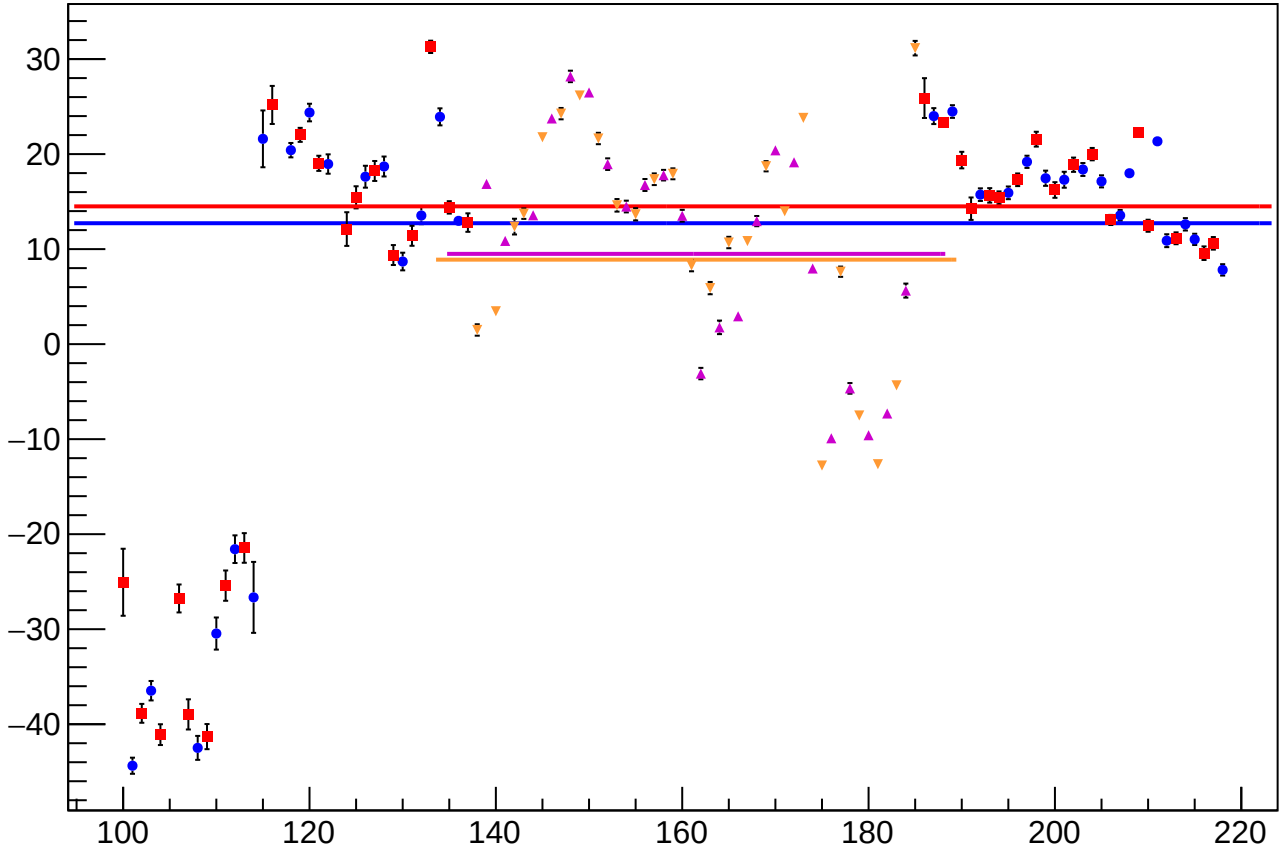
Left In: 3.649+/-0.083 χ^2/NDF:8310.7/22

+ sign 0.148+/-0.071 χ^2/NDF: 50230.6/56

All: -0.006+/-0.051 χ^2/NDF: 103083.2/115

- sign -0.166+/-0.073 χ^2/NDF: 52843.2/58

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs Slug



Right In: 12.725+/-0.133 χ^2/NDF: 11891.7/31

Left Out: 8.892+/-0.104 χ^2/NDF:15428.1/24

Right Out: 14.499+/-0.128 χ^2/NDF: 12873.2/35

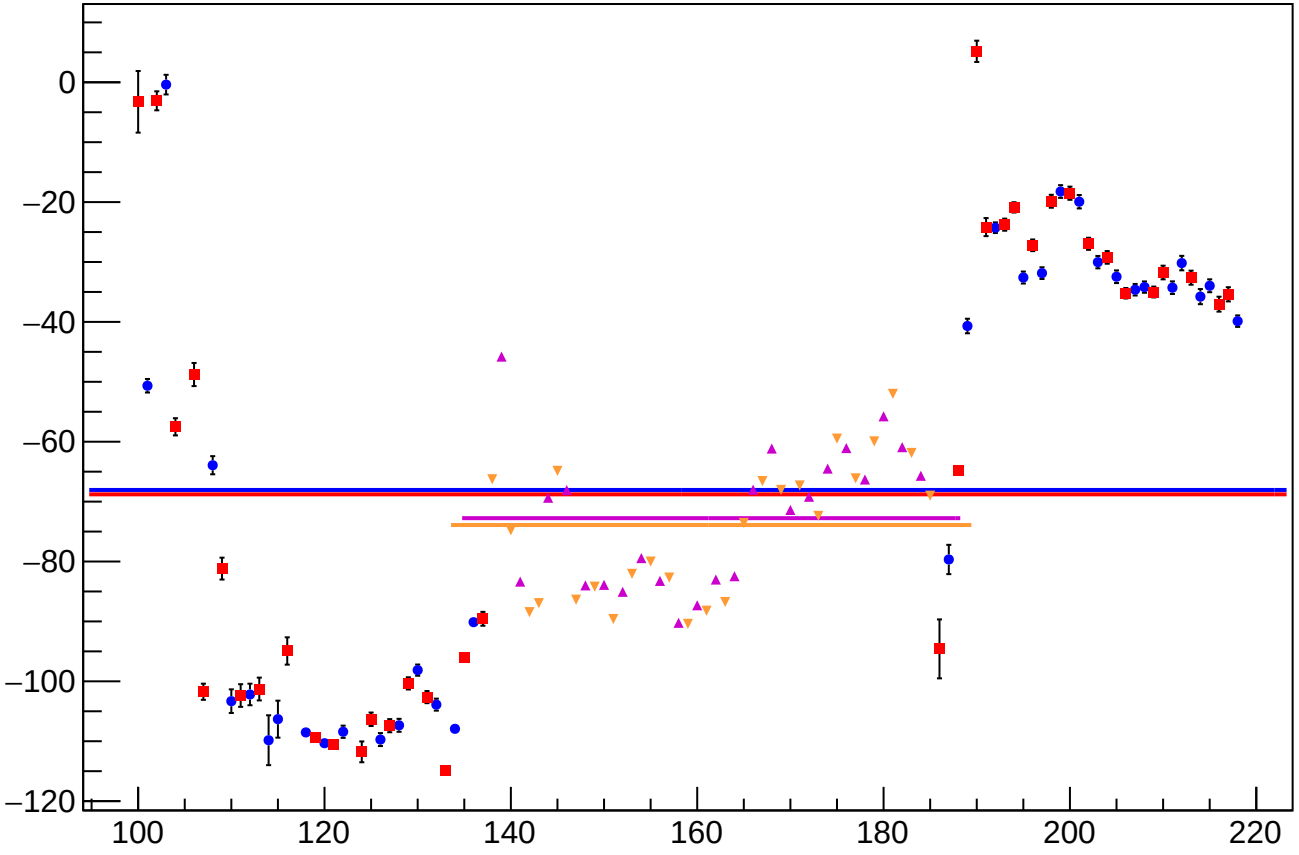
Left In: 9.500+/-0.107 χ^2/NDF:13040.9/22

+ sign 10.345+/-0.082 χ^2/NDF: 27837.7/56

All: 10.949+/-0.058 χ^2/NDF: 54765.2/115

- sign 11.553+/-0.082 χ^2/NDF: 26818.5/58

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs Slug



Right In: -68.053+/-0.179 χ^2/NDF: 41191.2/31

Left Out: -73.907+/-0.090 χ^2/NDF:15567.0/24

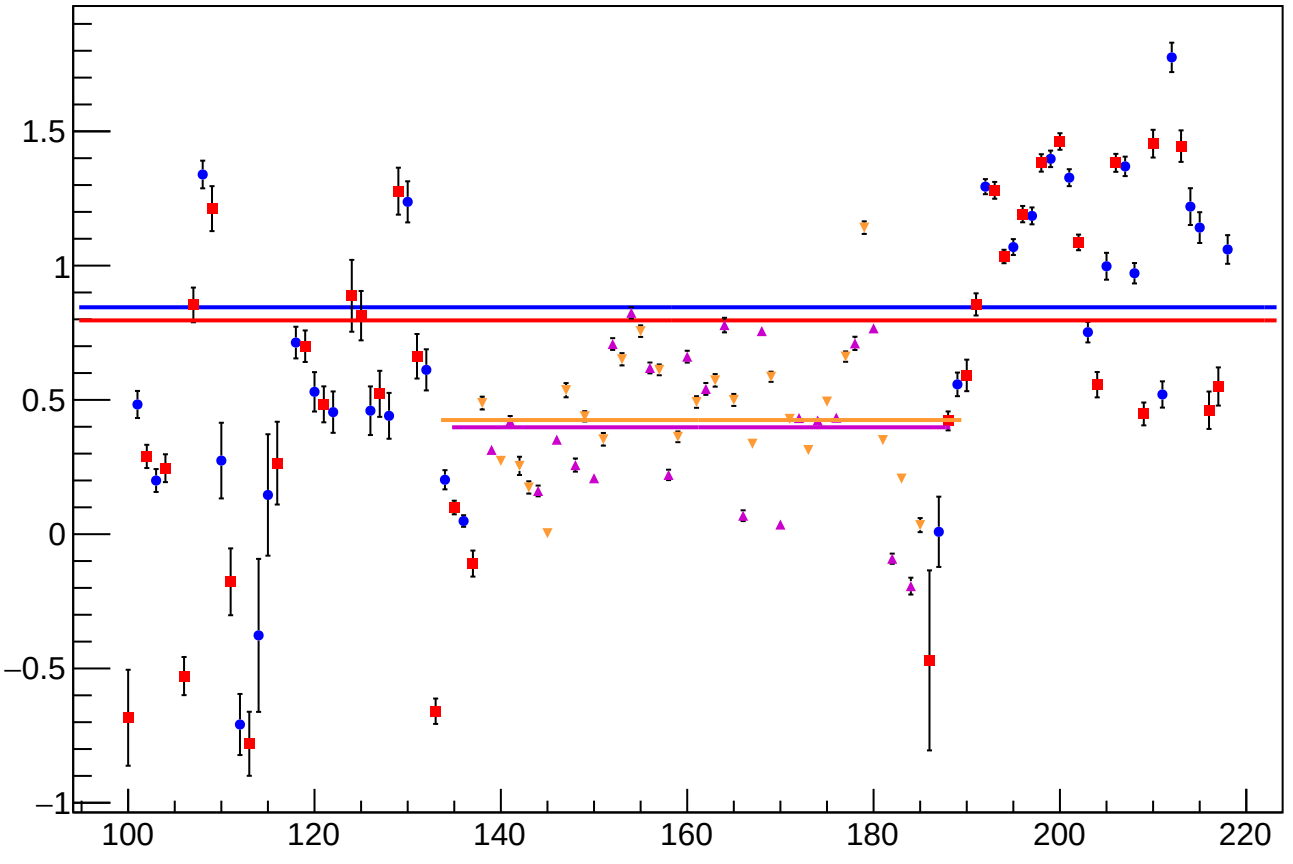
Right Out: -68.785+/-0.177 χ^2/NDF: 47482.6/35

Left In: -72.763+/-0.093 χ^2/NDF:12612.6/22

+ sign -72.718+/-0.081 χ^2/NDF: 57608.7/56

All: -72.317+/-0.058 χ^2/NDF: 118149.4/115

- sign -71.897+/-0.083 χ^2/NDF: 60490.2/58



Right In: 0.845+/-0.008 χ^2/NDF: 4135.5/31

Left Out: 0.425+/-0.004 χ^2/NDF:3035.4/24

Right Out: 0.796+/-0.008 χ^2/NDF: 5311.6/35

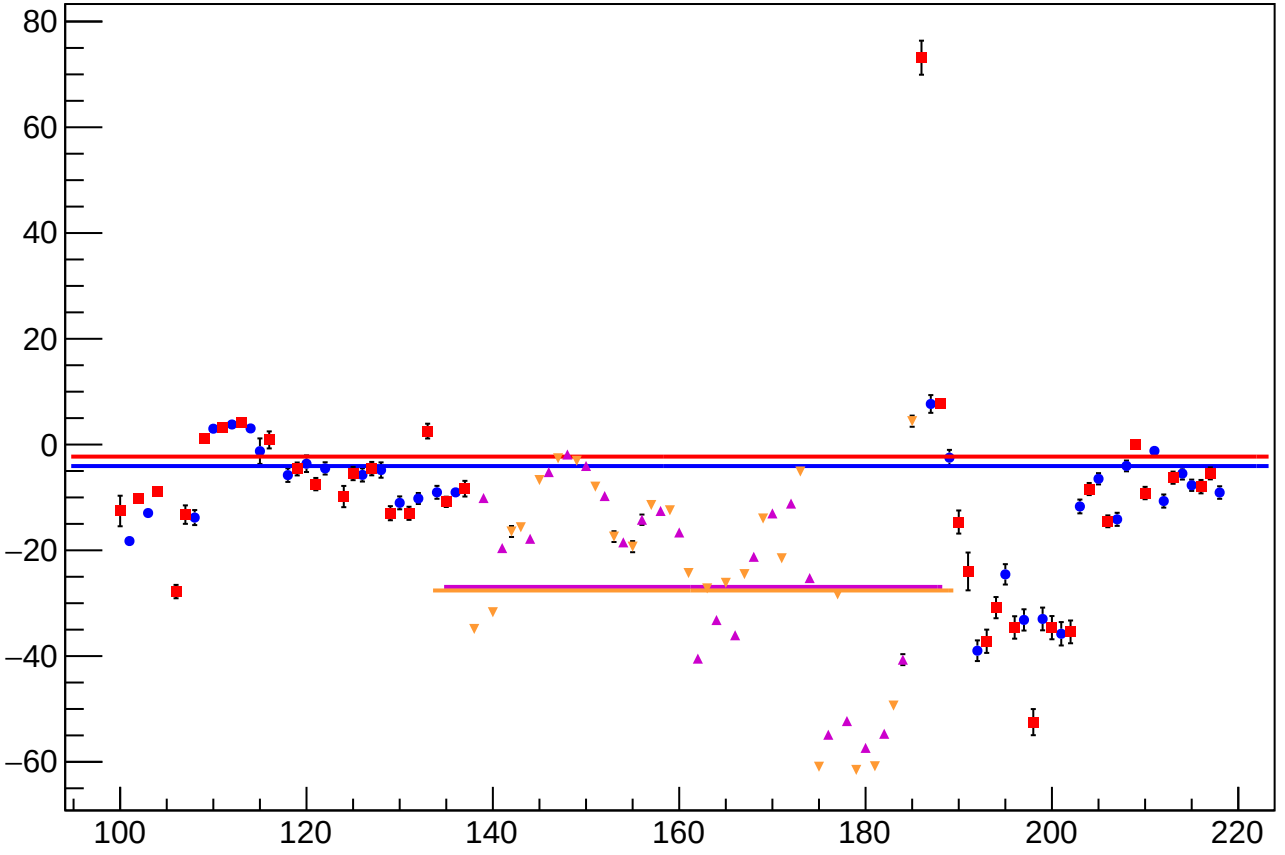
Left In: 0.398+/-0.004 χ^2/NDF:4271.0/22

+ sign 0.512+/-0.004 χ^2/NDF: 9393.3/56

All: 0.499+/-0.003 χ^2/NDF: 21065.7/115

- sign 0.486+/-0.004 χ^2/NDF: 11647.5/58

reg_asym_sam_1548_avg_diff_bpm1X_slope vs Slug



Right In: -4.065+/-0.166 χ^2/NDF: 2841.8/31

Left Out: -27.594+/-0.144 χ^2/NDF:19761.6/24

Right Out: -2.278+/-0.152 χ^2/NDF: 4105.6/35

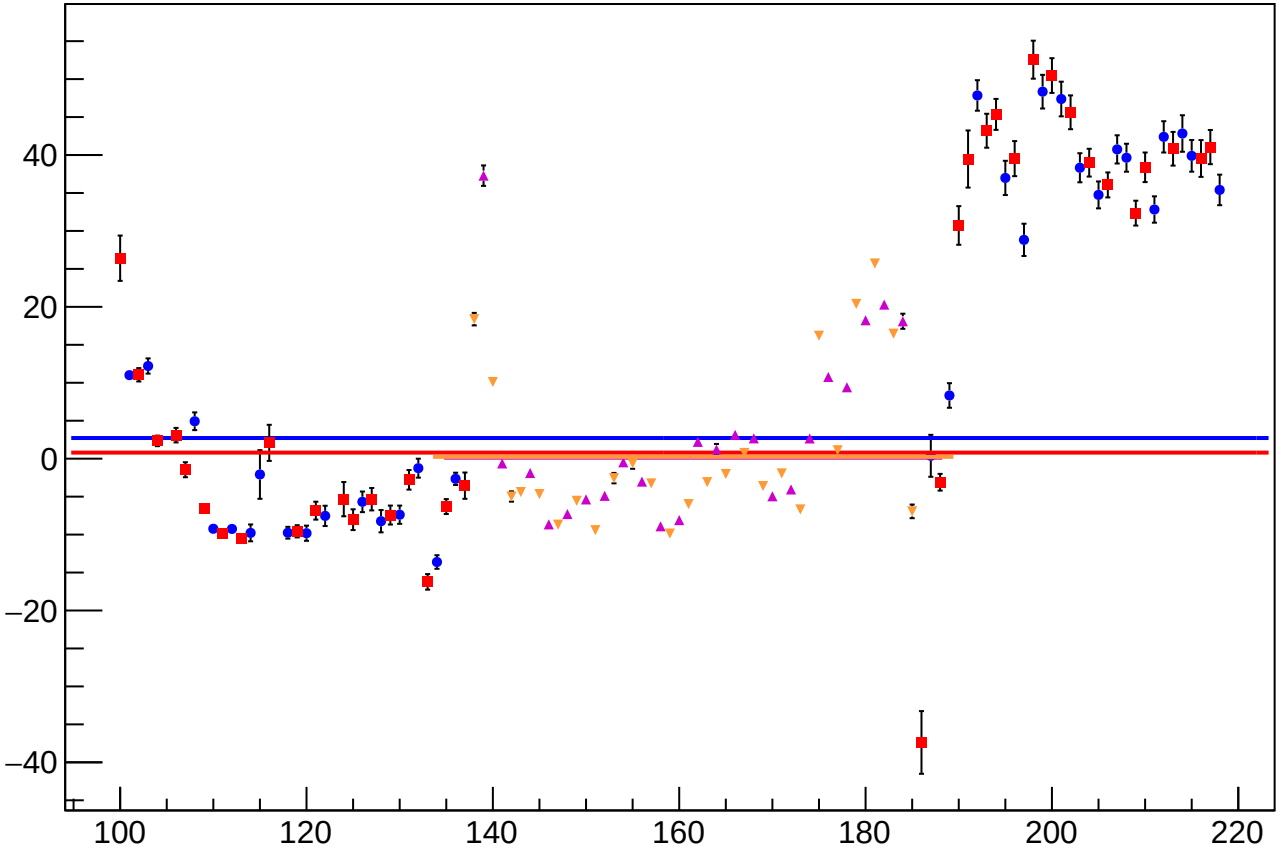
Left In: -26.918+/-0.149 χ^2/NDF:15536.6/22

+ sign -17.451+/-0.109 χ^2/NDF: 34063.6/56

All: -16.090+/-0.076 χ^2/NDF: 67433.0/115

- sign -14.791+/-0.106 χ^2/NDF: 33063.9/58

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs Slug



Right In: 2.720+/-0.206 χ^2/NDF: 6988.0/31

Left Out: 0.238+/-0.110 χ^2/NDF:8035.6/24

Right Out: 0.799+/-0.200 χ^2/NDF: 7014.5/35

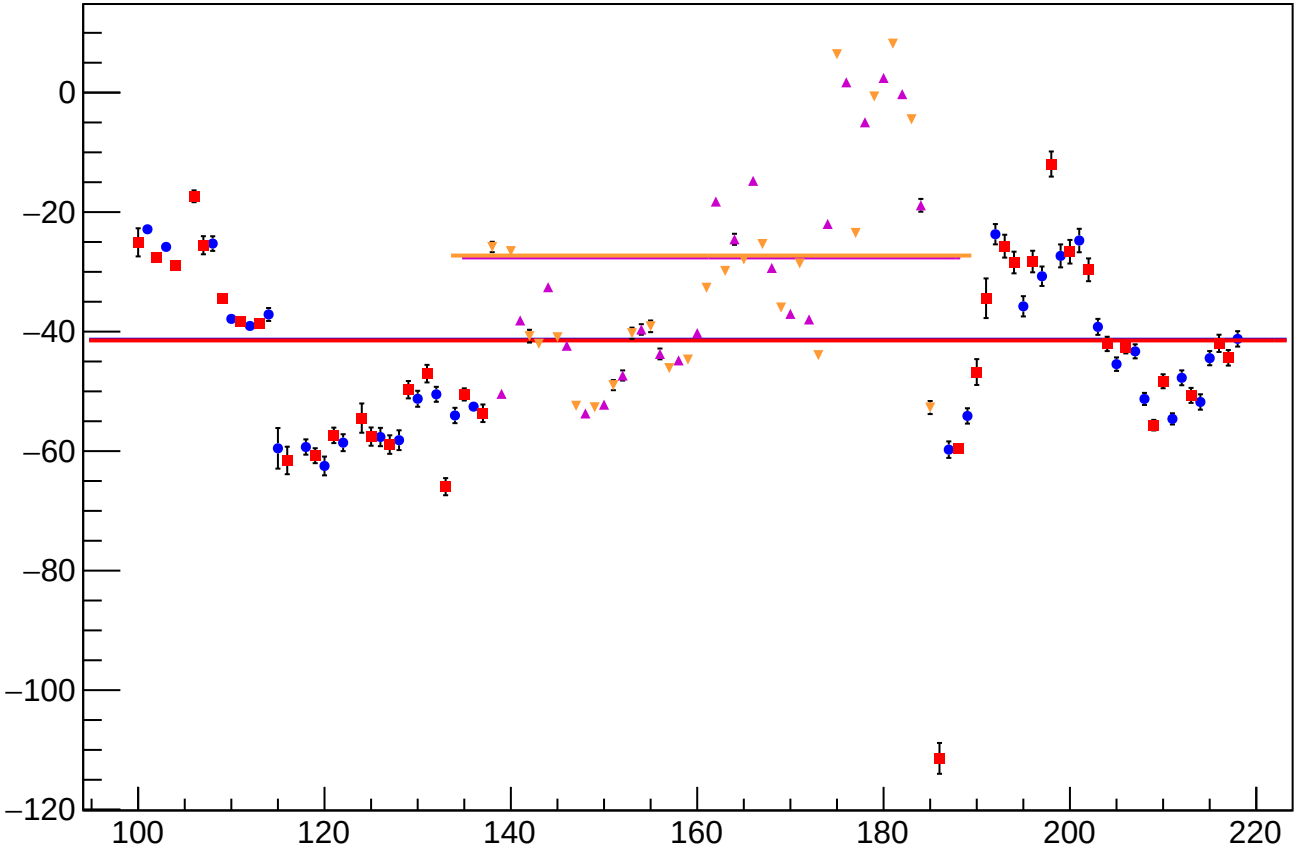
Left In: 0.131+/-0.114 χ^2/NDF:5837.4/22

+ sign 0.792+/-0.097 χ^2/NDF: 15136.6/56

All: 0.550+/-0.069 χ^2/NDF: 28009.5/115

- sign 0.297+/-0.099 χ^2/NDF: 12860.3/58

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs Slug



Right In: -41.354+/-0.185 χ^2/NDF: 4004.9/31

Left Out: -27.271+/-0.144 χ^2/NDF:18526.9/24

Right Out: -41.474+/-0.177 χ^2/NDF: 5358.0/35

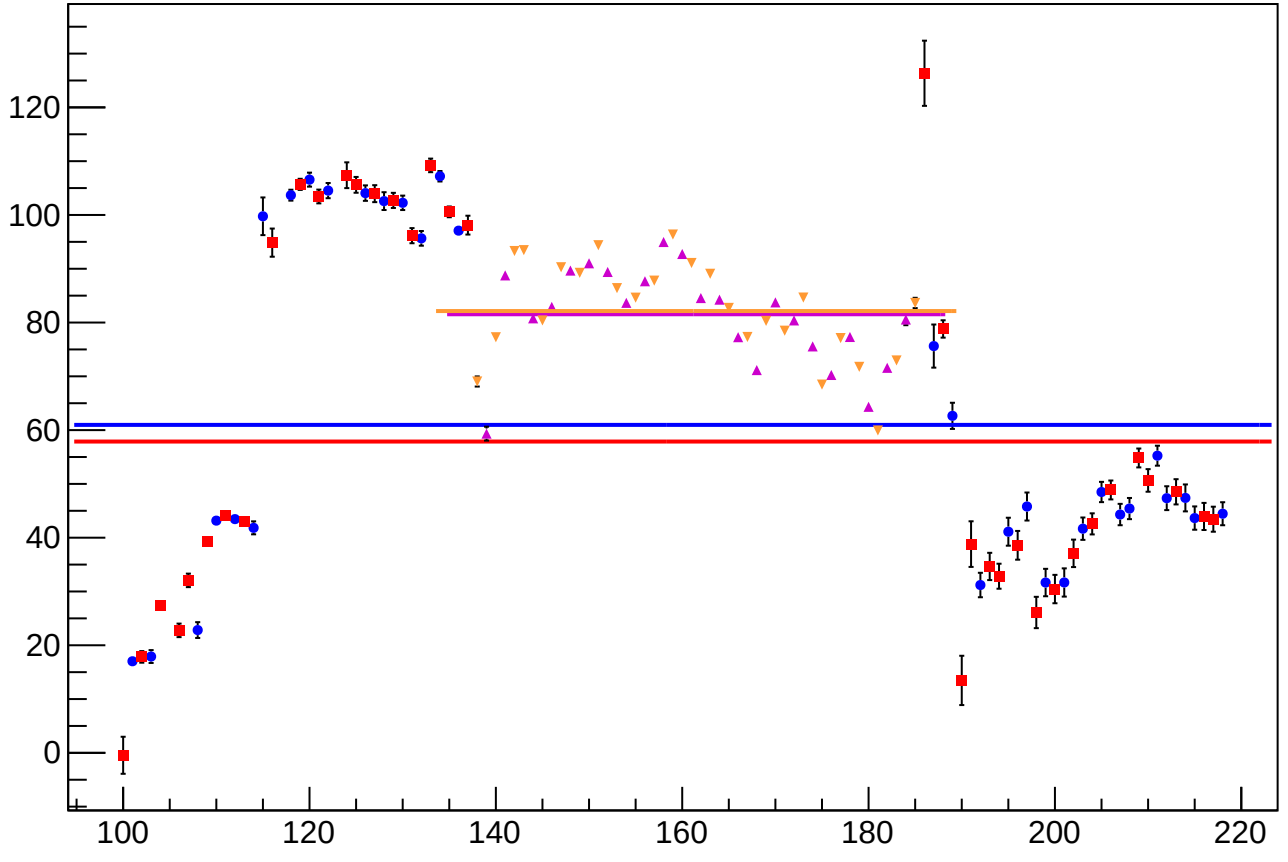
Left In: -27.583+/-0.148 χ^2/NDF:15648.7/22

+ sign -32.569+/-0.114 χ^2/NDF: 26135.6/56

All: -32.948+/-0.080 χ^2/NDF: 50797.1/115

- sign -33.326+/-0.113 χ^2/NDF: 24639.2/58

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs Slug



Right In: 60.972+/-0.234 χ^2/NDF: 19750.5/31

Left Out: 82.134+/-0.125 χ^2/NDF:5375.9/24

Right Out: 57.876+/-0.228 χ^2/NDF: 18633.8/35

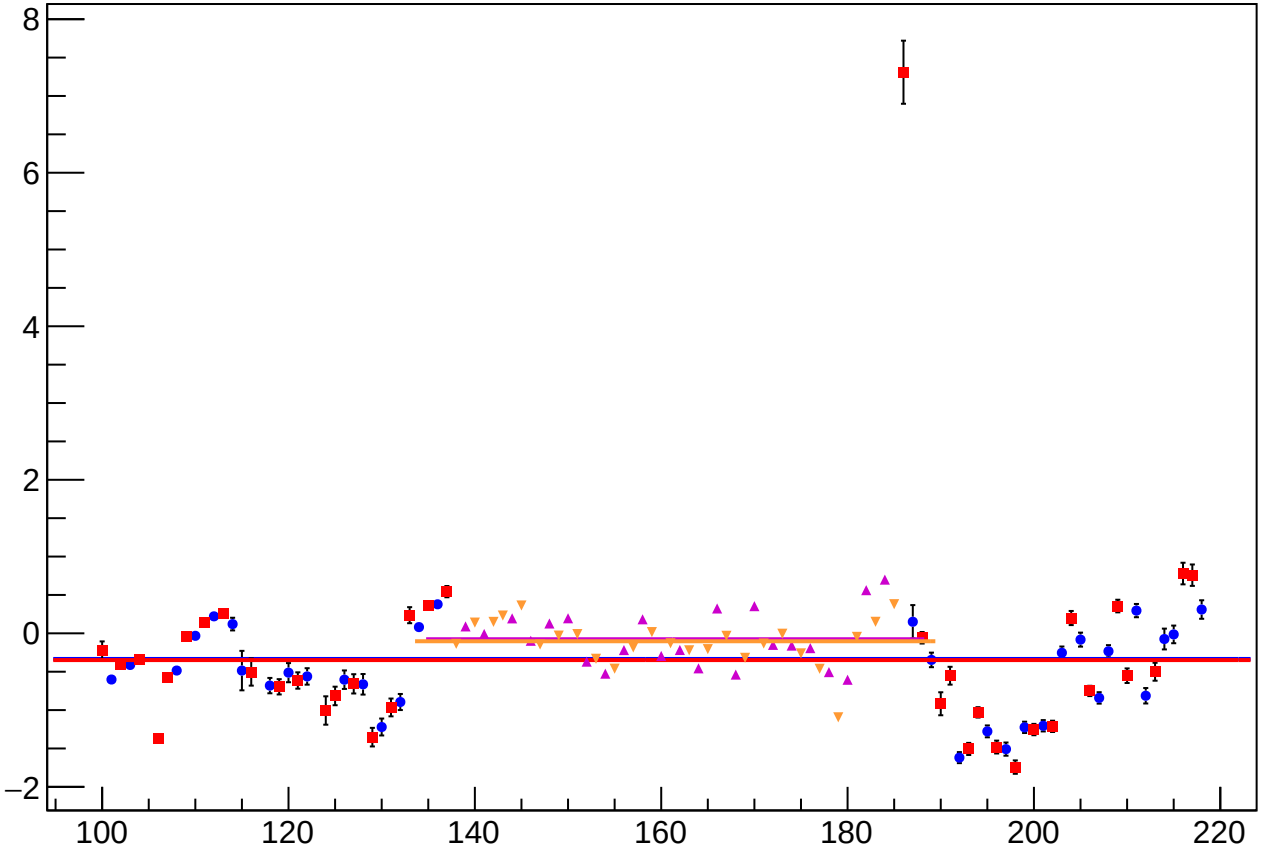
Left In: 81.539+/-0.129 χ^2/NDF:4043.0/22

+ sign 77.461+/-0.110 χ^2/NDF: 31480.0/56

All: 76.649+/-0.079 χ^2/NDF: 62427.4/115

- sign 75.805+/-0.112 χ^2/NDF: 30836.5/58

reg_asym_sam_1548_avg_diff_bpm12X_slope vs Slug



Right In: -0.334+/-0.011 χ^2/NDF: 2147.1/31

Left Out: -0.103+/-0.006 χ^2/NDF:2408.2/24

Right Out: -0.348+/-0.011 χ^2/NDF: 3173.5/35

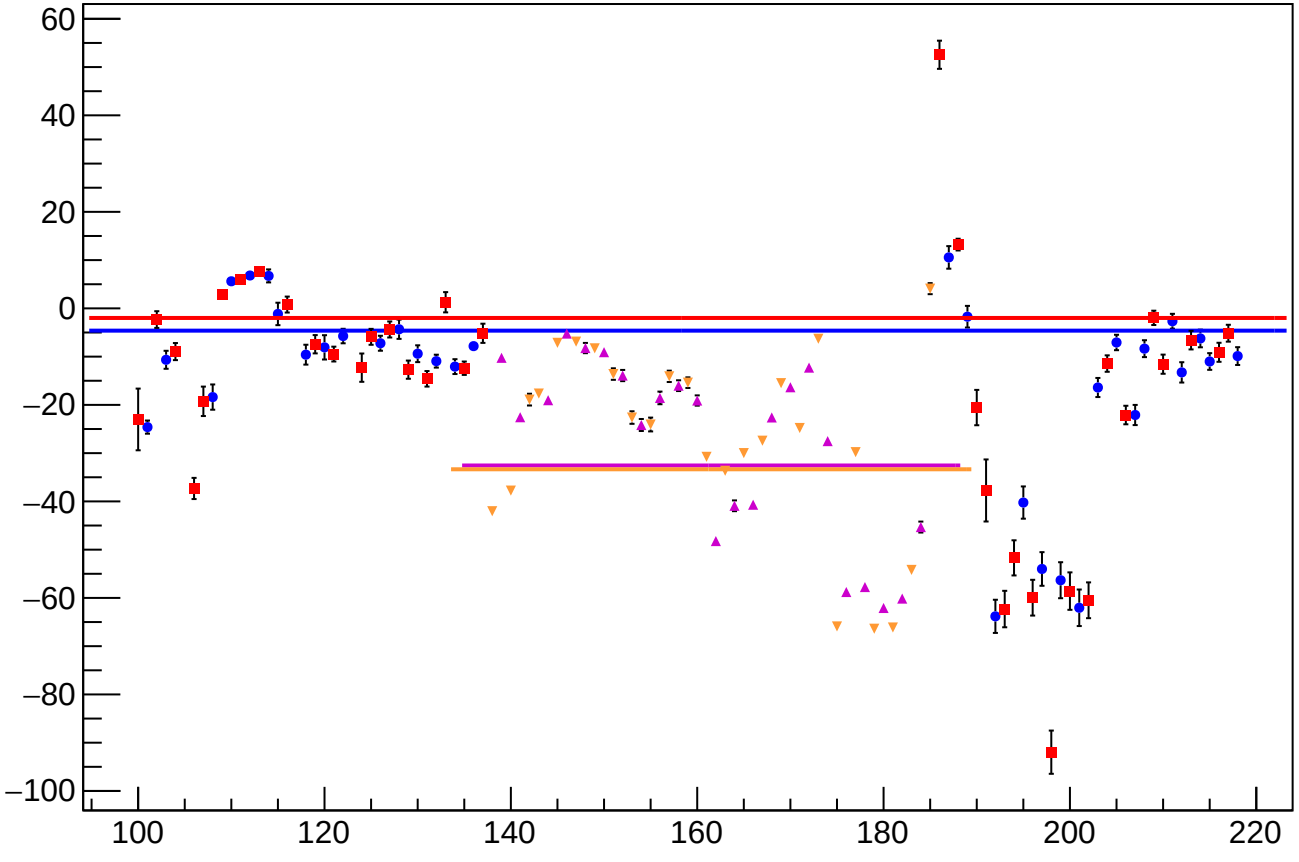
Left In: -0.077+/-0.006 χ^2/NDF:3320.8/22

+ sign -0.148+/-0.005 χ^2/NDF: 4881.1/56

All: -0.141+/-0.004 χ^2/NDF: 11849.3/115

- sign -0.134+/-0.005 χ^2/NDF: 6964.6/58

reg_asym_sam_3748_avg_diff_bpm1X_slope vs Slug



Right In: -4.616+/-0.266 χ^2/NDF: 2223.1/31

Left Out: -33.346+/-0.165 χ^2/NDF:17989.6/24

Right Out: -1.987+/-0.250 χ^2/NDF: 3281.7/35

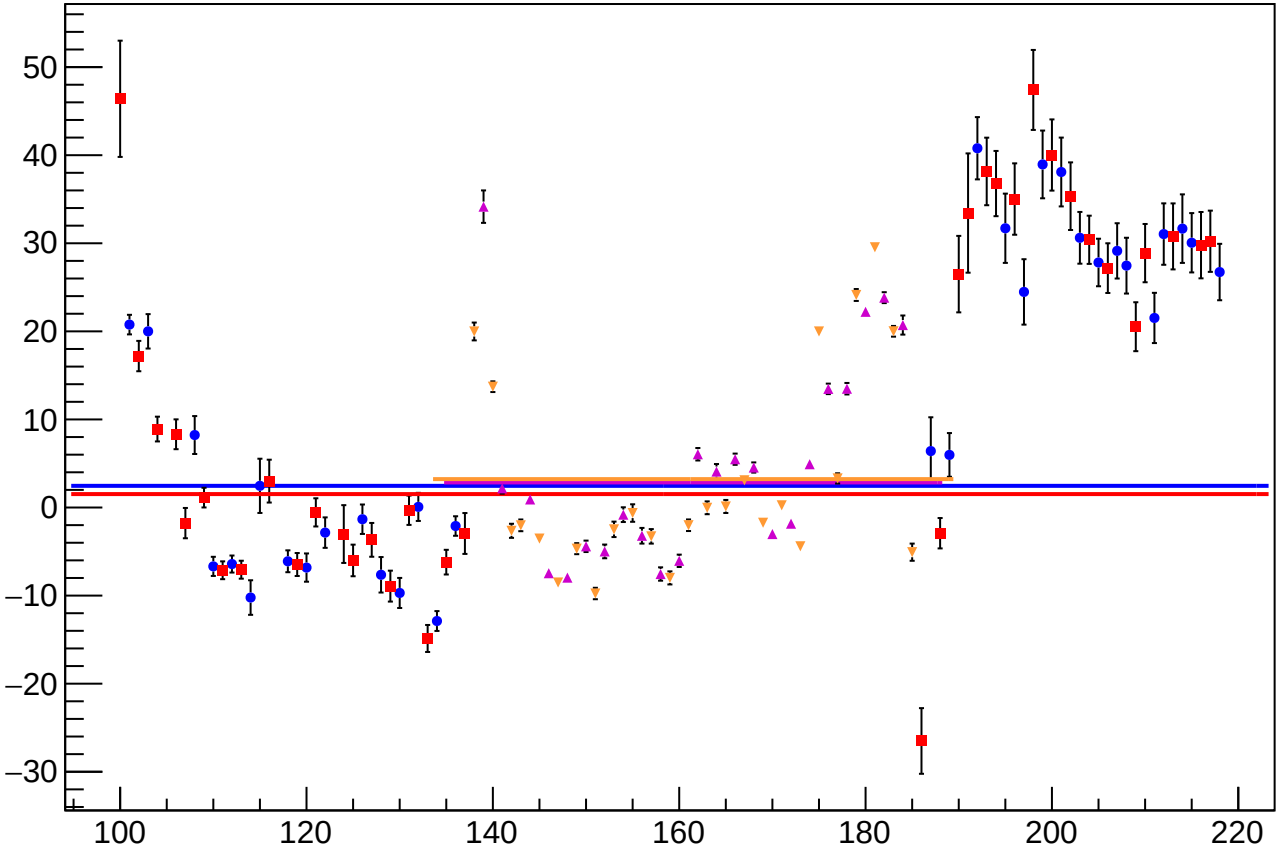
Left In: -32.559+/-0.169 χ^2/NDF:13896.0/22

+ sign -25.407+/-0.140 χ^2/NDF: 28630.5/56

All: -24.161+/-0.099 χ^2/NDF: 56239.8/115

- sign -22.913+/-0.140 χ^2/NDF: 27450.8/58

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs Slug



Right In: 2.461+/-0.327 χ^2/NDF: 1924.2/31

Left Out: 3.224+/-0.128 χ^2/NDF:7675.6/24

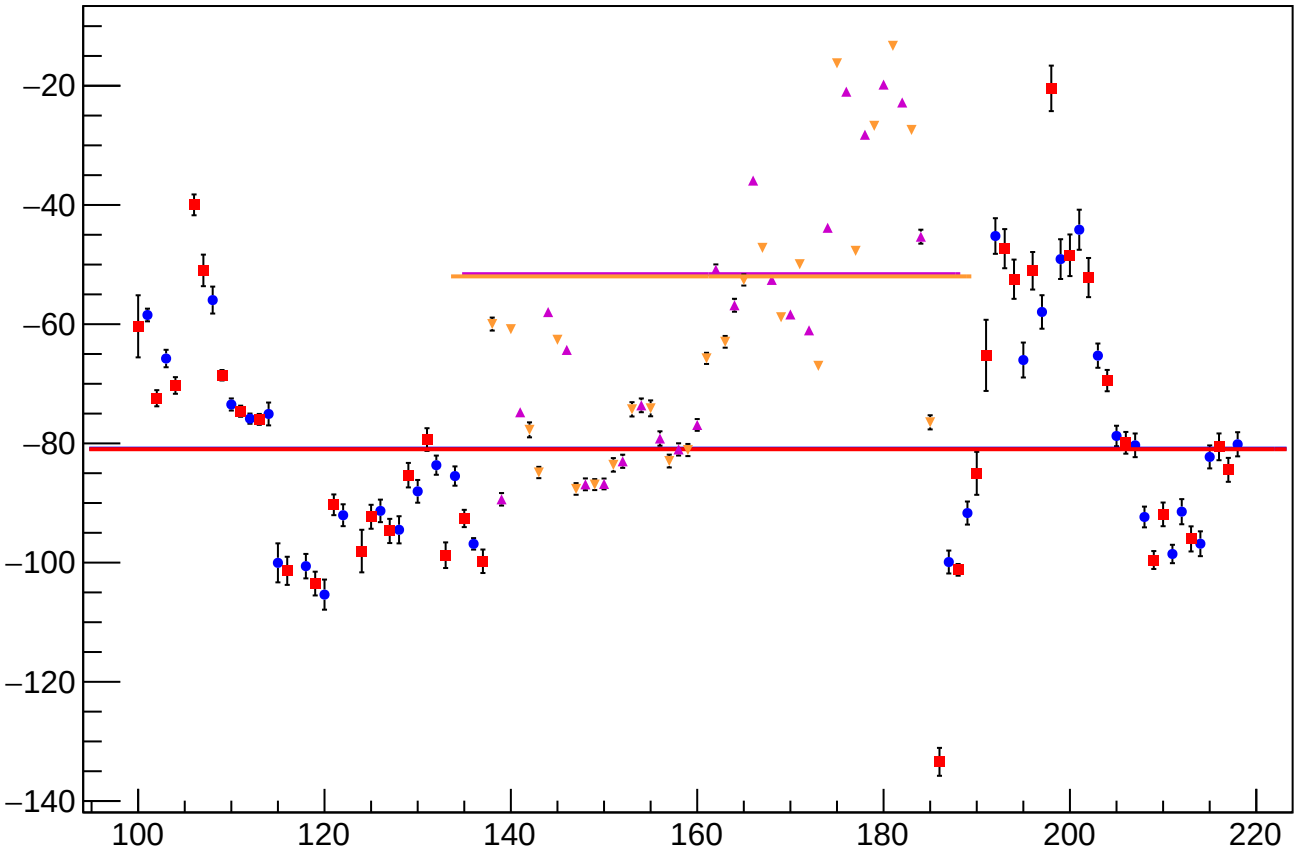
Right Out: 1.525+/-0.325 χ^2/NDF: 1705.8/35

Left In: 2.845+/-0.131 χ^2/NDF:5455.5/22

\+ sign 3.122+/-0.119 χ^2/NDF: 9604.5/56

All: 2.896+/-0.085 χ^2/NDF: 16787.4/115

\- sign 2.660+/-0.122 χ^2/NDF: 7175.5/58



Right In: -80.882+/-0.299 χ^2/NDF: 2285.8/31

Left Out: -51.982+/-0.165 χ^2/NDF:20887.7/24

Right Out: -80.977+/-0.291 χ^2/NDF: 3527.0/35

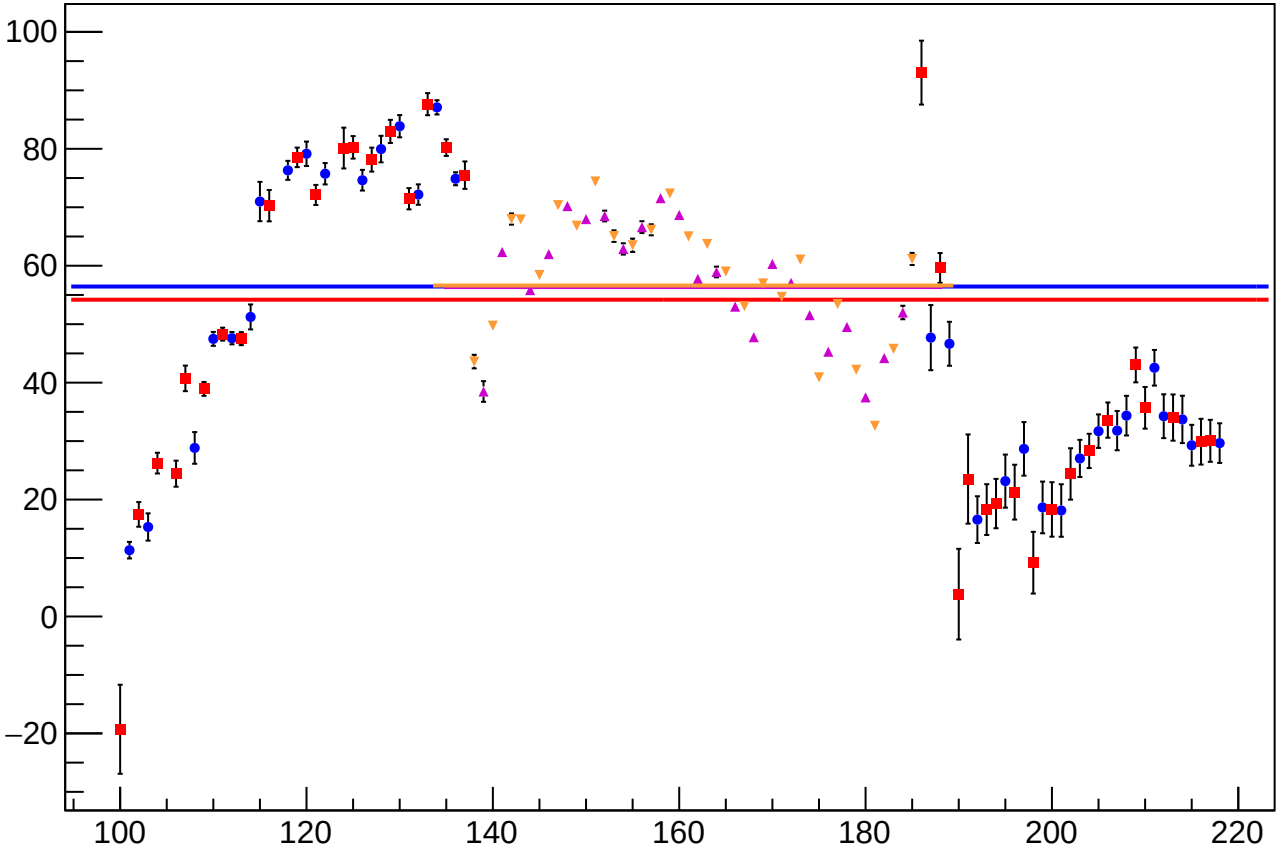
Left In: -51.612+/-0.169 χ^2/NDF:17624.2/22

+ sign -58.702+/-0.144 χ^2/NDF: 30322.6/56

All: -58.866+/-0.103 χ^2/NDF: 59100.9/115

- sign -59.034+/-0.146 χ^2/NDF: 28775.7/58

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs Slug



Right In: 56.442+/-0.368 χ^2/NDF: 4178.2/31

Left Out: 56.612+/-0.144 χ^2/NDF:5666.2/24

Right Out: 54.187+/-0.368 χ^2/NDF: 3606.1/35

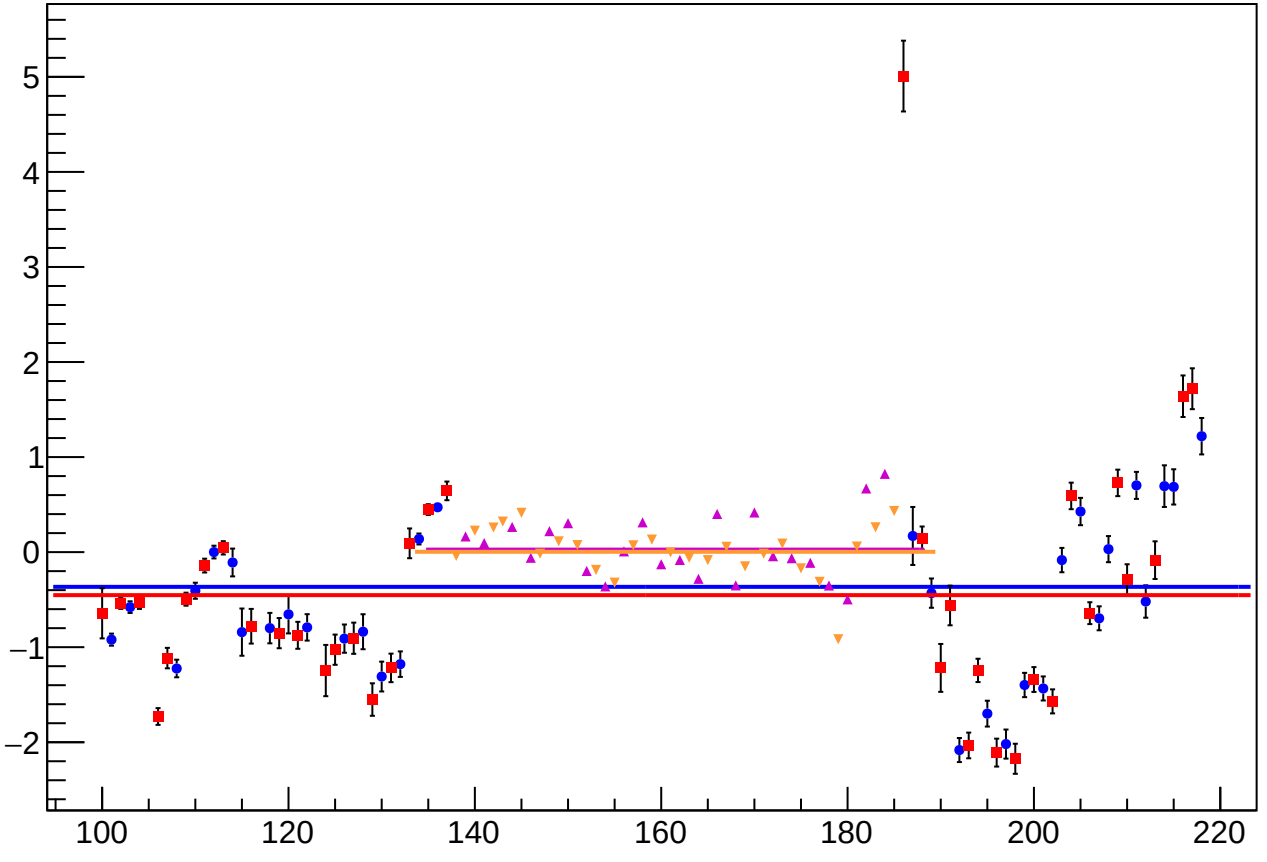
Left In: 56.348+/-0.147 χ^2/NDF:3968.7/22

+ sign 56.590+/-0.134 χ^2/NDF: 9844.5/56

All: 56.325+/-0.096 χ^2/NDF: 17457.0/115

- sign 56.049+/-0.137 χ^2/NDF: 7604.5/58

reg_asym_sam_3748_avg_diff_bpm12X_slope vs Slug



Right In: -0.365+/-0.019 χ^2/NDF: 1511.8/31

Left Out: 0.004+/-0.006 χ^2/NDF:1701.0/24

Right Out: -0.452+/-0.019 χ^2/NDF: 1952.8/35

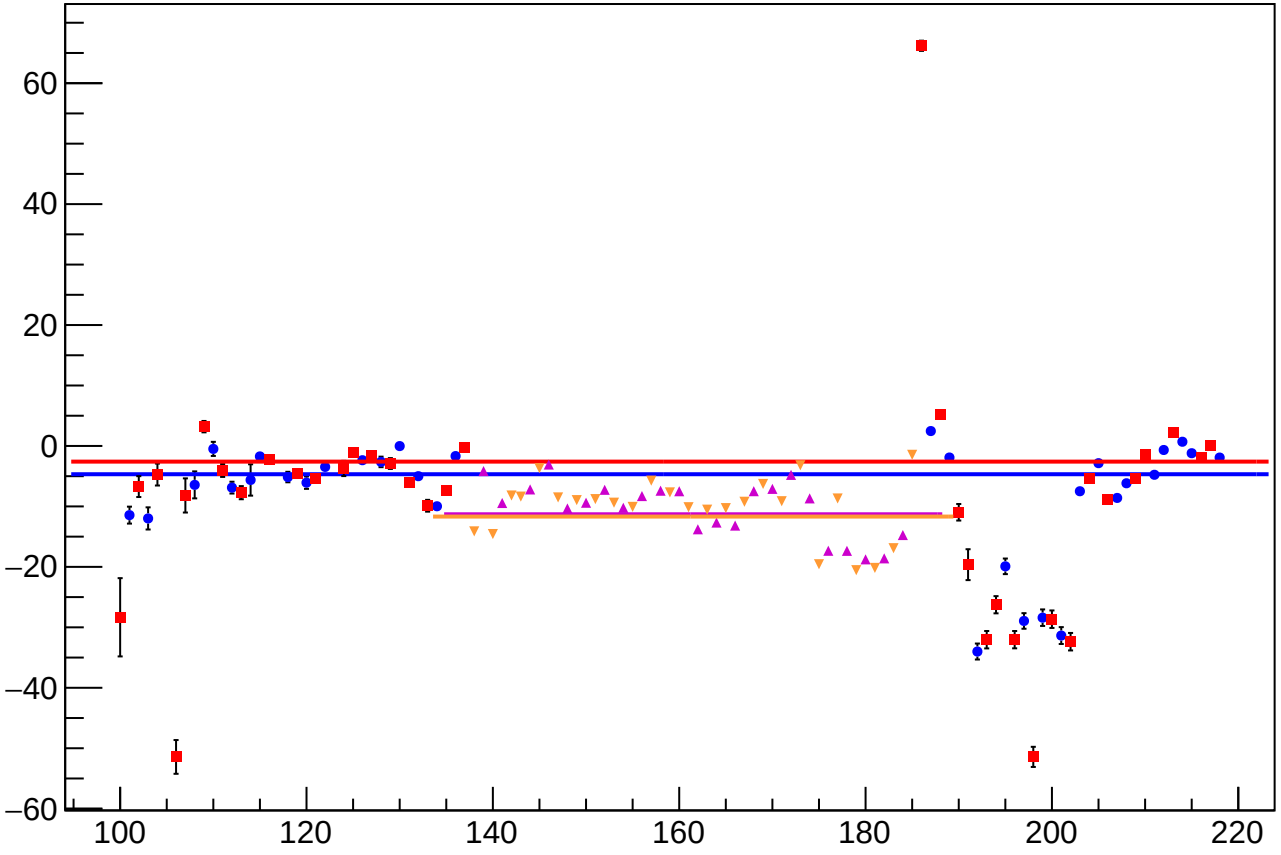
Left In: 0.026+/-0.007 χ^2/NDF:2349.0/22

+ sign -0.036+/-0.006 χ^2/NDF: 3560.2/56

All: -0.031+/-0.004 χ^2/NDF: 8437.2/115

- sign -0.026+/-0.006 χ^2/NDF: 4875.7/58

reg_asym_sam_1526_avg_diff_bpm1X_slope vs Slug



Right In: -4.677+/-0.137 χ^2/NDF: 2195.0/31

Left Out: -11.680+/-0.053 χ^2/NDF:12602.3/24

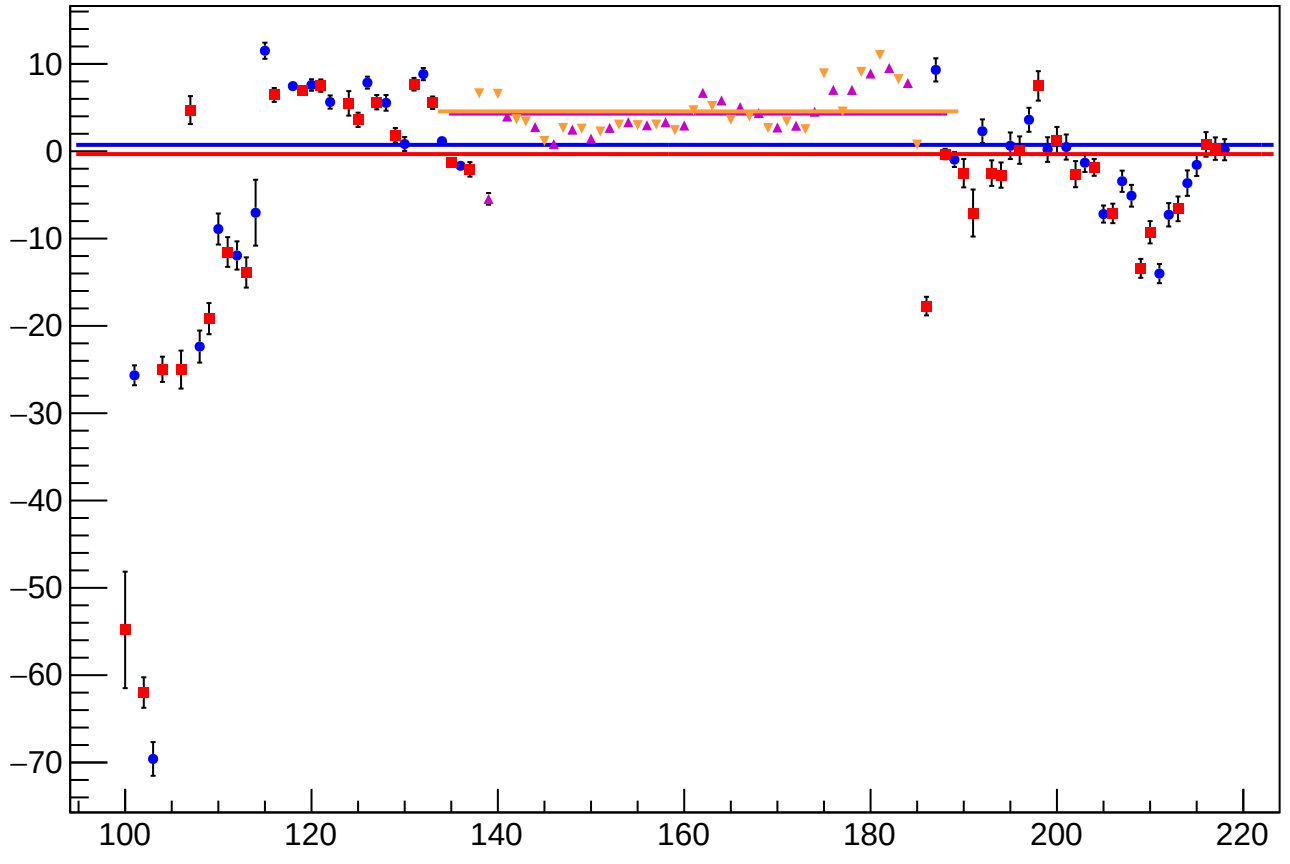
Right Out: -2.591+/-0.140 χ^2/NDF: 10588.5/35

Left In: -11.301+/-0.054 χ^2/NDF:9229.2/22

+ sign -10.773+/-0.049 χ^2/NDF: 17087.4/56

All: -10.482+/-0.035 χ^2/NDF: 40339.8/115

- sign -10.177+/-0.050 χ^2/NDF: 23180.5/58



Right In: 0.731+/-0.160 χ^2/NDF: 3257.9/31

Left Out: 4.564+/-0.041 χ^2/NDF:4356.3/24

Right Out: -0.325+/-0.170 χ^2/NDF: 3200.0/35

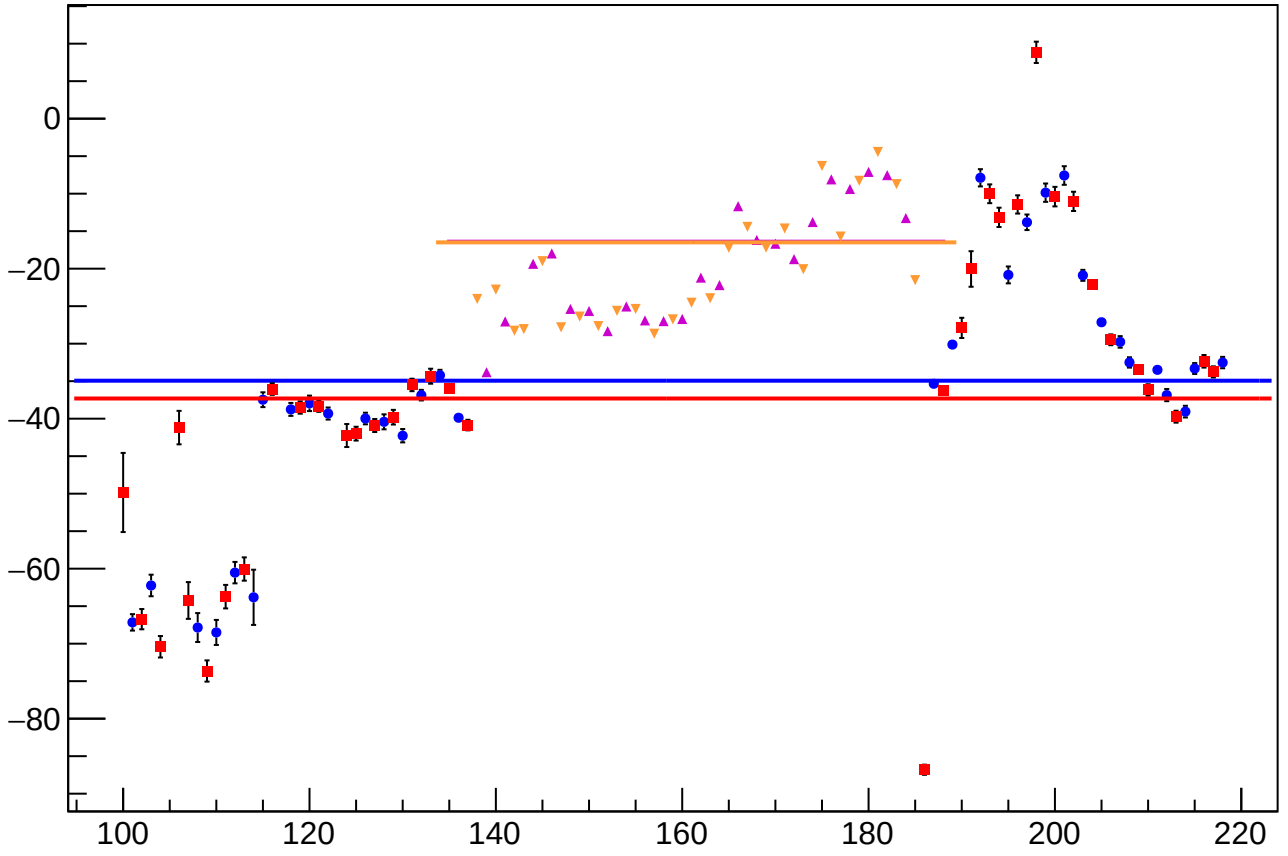
Left In: 4.308+/-0.042 χ^2/NDF:3609.0/22

+ sign 4.325+/-0.040 χ^2/NDF: 8149.1/56

All: 4.185+/-0.029 χ^2/NDF: 15686.5/115

- sign 4.039+/-0.041 χ^2/NDF: 7512.5/58

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs Slug



Right In: -34.938+/-0.142 χ^2/NDF: 5438.4/31

Left Out: -16.492+/-0.053 χ^2/NDF:21982.6/24

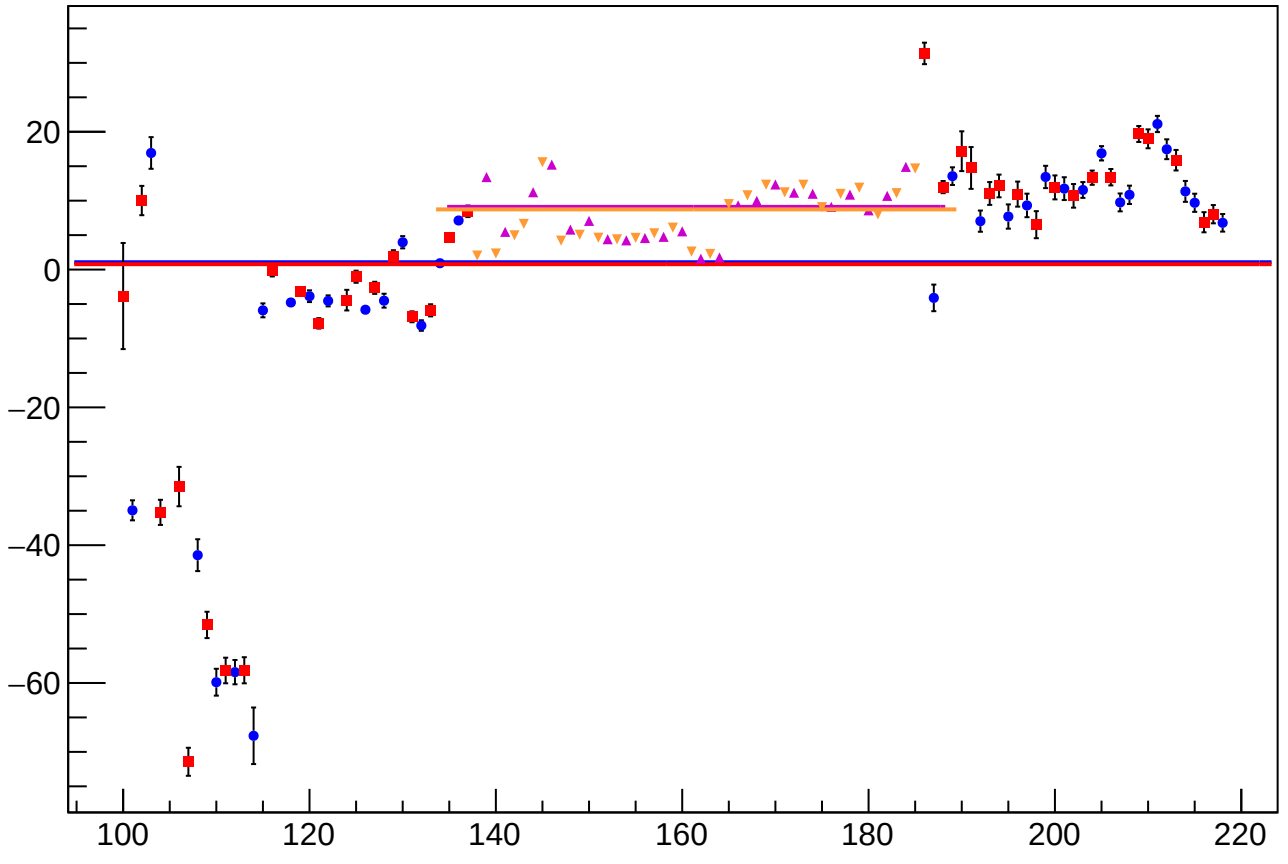
Right Out: -37.311+/-0.144 χ^2/NDF: 11882.7/35

Left In: -16.403+/-0.054 χ^2/NDF:18032.3/22

+ sign -18.726+/-0.049 χ^2/NDF: 42207.0/56

All: -18.844+/-0.035 χ^2/NDF: 90575.2/115

- sign -18.967+/-0.051 χ^2/NDF: 48356.6/58



Right In: 1.059+/-0.179 χ^2/NDF: 5286.1/31

Left Out: 8.735+/-0.046 χ^2/NDF:6875.5/24

Right Out: 0.784+/-0.193 χ^2/NDF: 6652.0/35

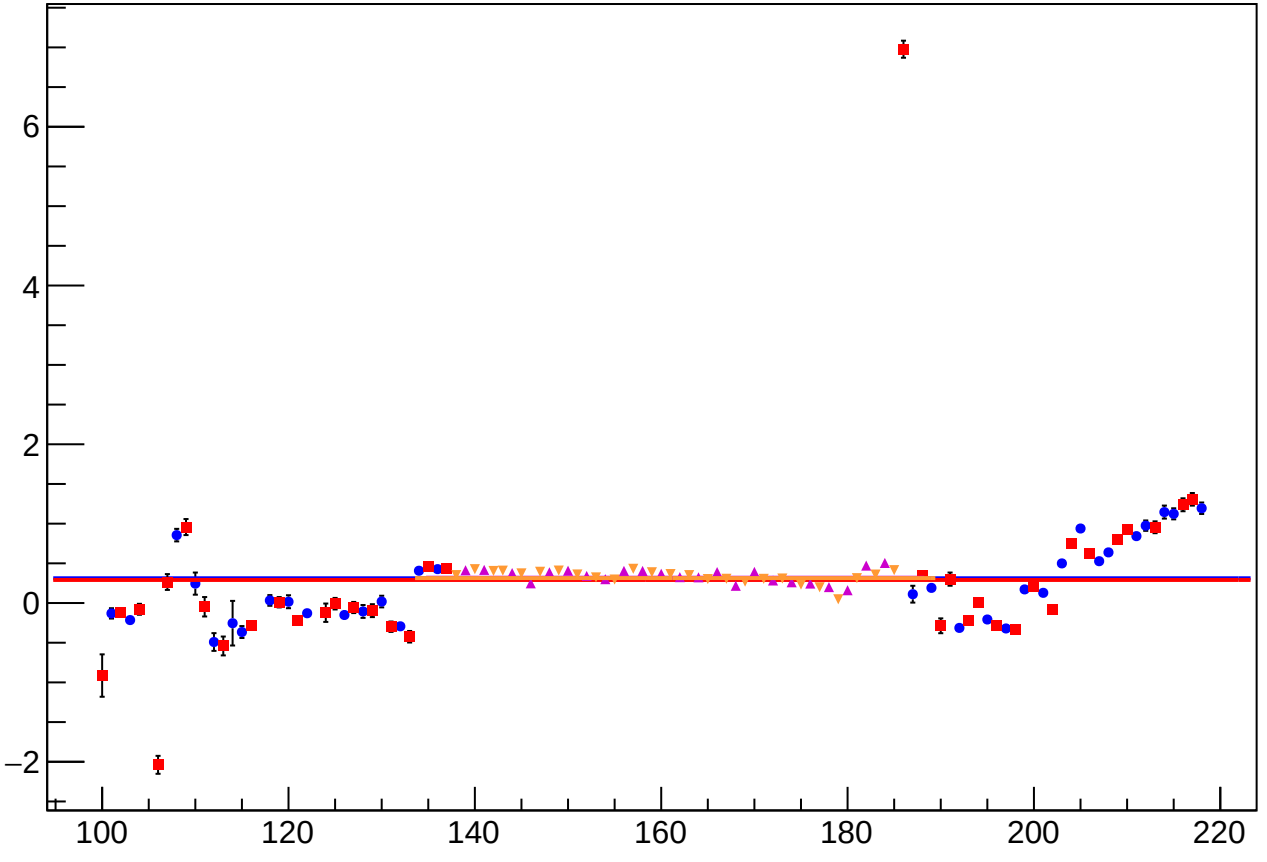
Left In: 9.096+/-0.047 χ^2/NDF:5739.5/22

+ sign 8.257+/-0.045 χ^2/NDF: 13881.1/56

All: 8.438+/-0.032 χ^2/NDF: 28060.2/115

- sign 8.628+/-0.046 χ^2/NDF: 14145.3/58

reg_asym_sam_1526_avg_diff_bpm12X_slope vs Slug



Right In: 0.312+/-0.009 χ^2/NDF: 1864.3/31

Left Out: 0.314+/-0.002 χ^2/NDF:1602.1/24

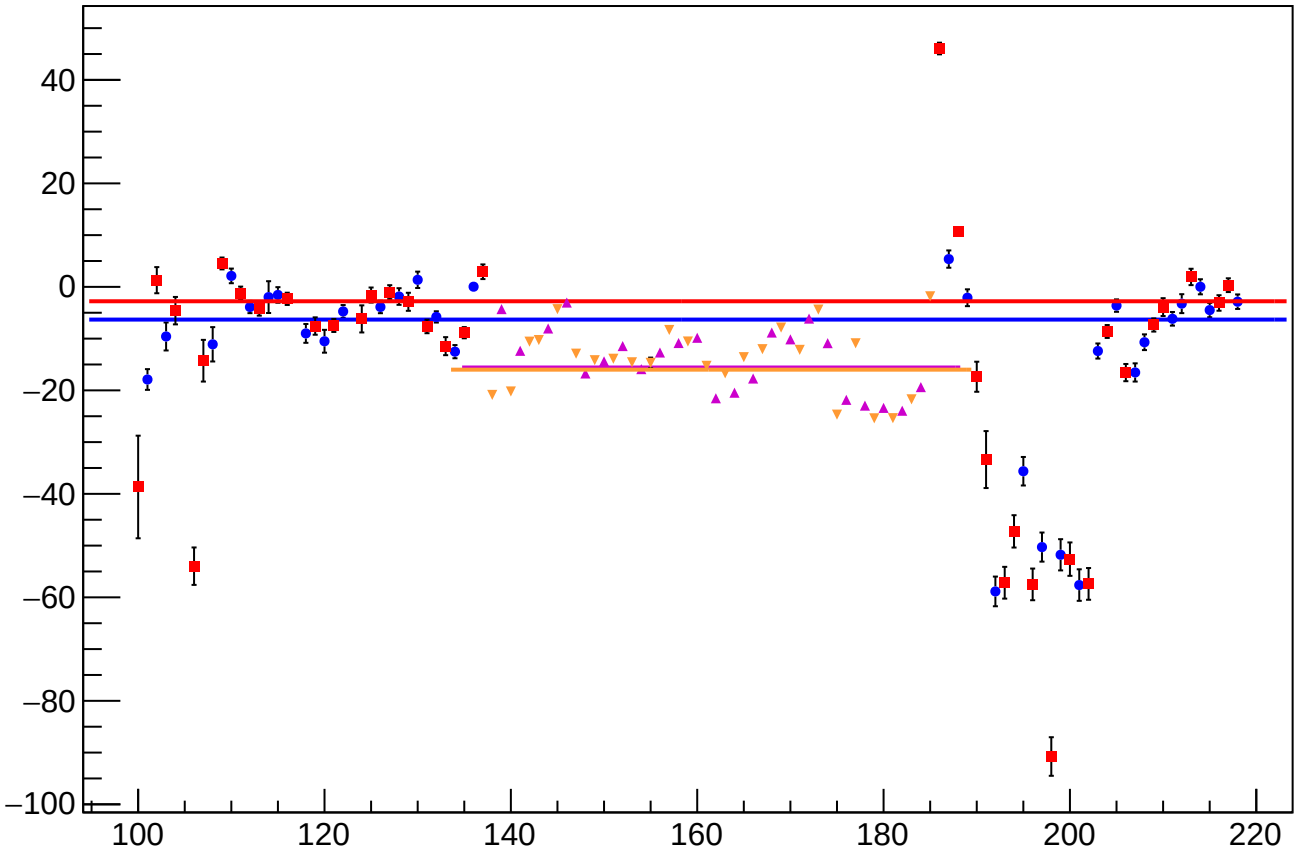
Right Out: 0.291+/-0.010 χ^2/NDF: 6157.1/35

Left In: 0.319+/-0.002 χ^2/NDF:1787.8/22

+ sign 0.314+/-0.002 χ^2/NDF: 3466.4/56

All: 0.316+/-0.001 χ^2/NDF: 11420.8/115

- sign 0.317+/-0.002 χ^2/NDF: 7952.8/58



Right In: -6.322+/-0.267 χ^2/NDF: 1589.8/31

Left Out: -16.000+/-0.099 χ^2/NDF:5962.8/24

Right Out: -2.782+/-0.268 χ^2/NDF: 4594.2/35

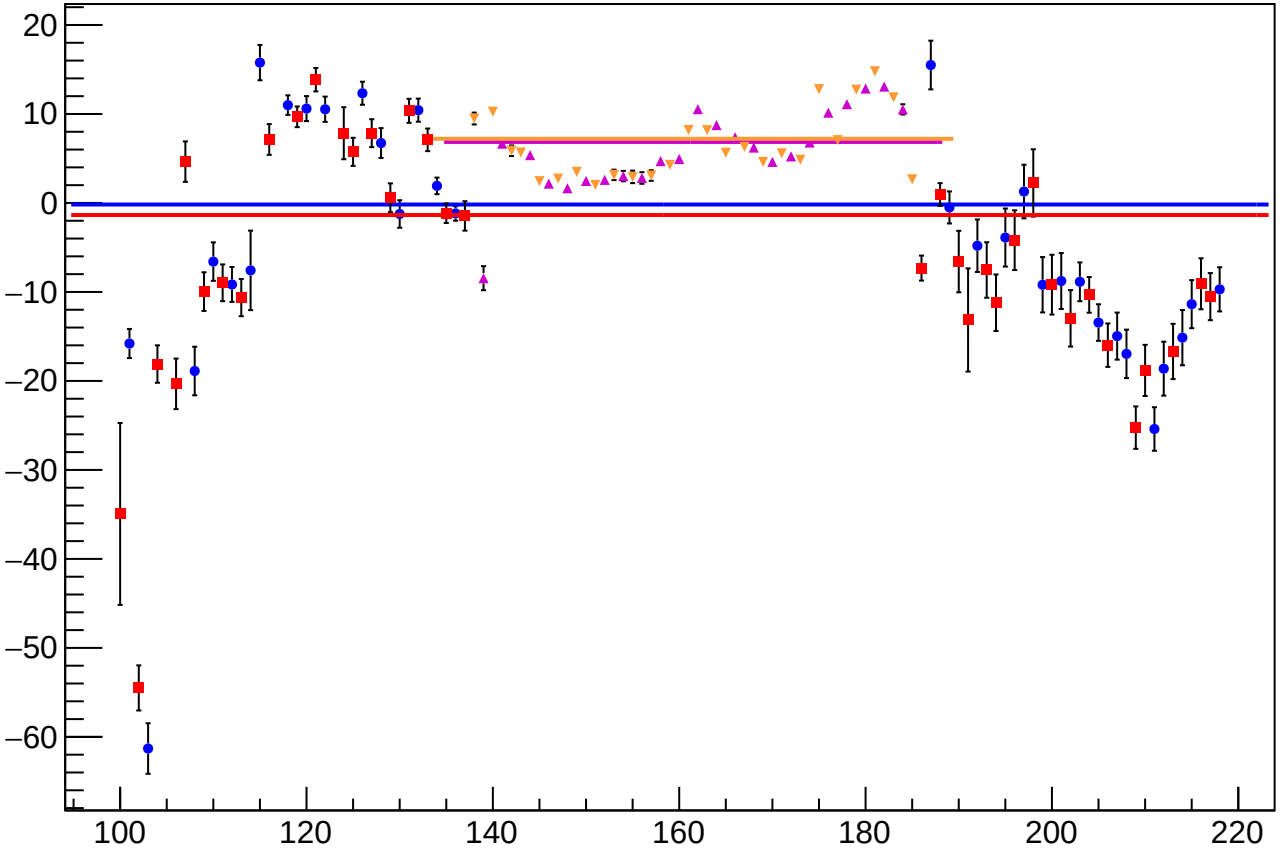
Left In: -15.582+/-0.102 χ^2/NDF:4759.9/22

\+ sign -14.826+/-0.093 χ^2/NDF: 8702.9/56

All: -14.403+/-0.067 χ^2/NDF: 20096.9/115

\- sign -13.959+/-0.095 χ^2/NDF: 11351.7/58

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs Slug



Right In: -0.175+/-0.313 χ^2/NDF: 1479.6/31

Left Out: 7.212+/-0.080 χ^2/NDF:2455.9/24

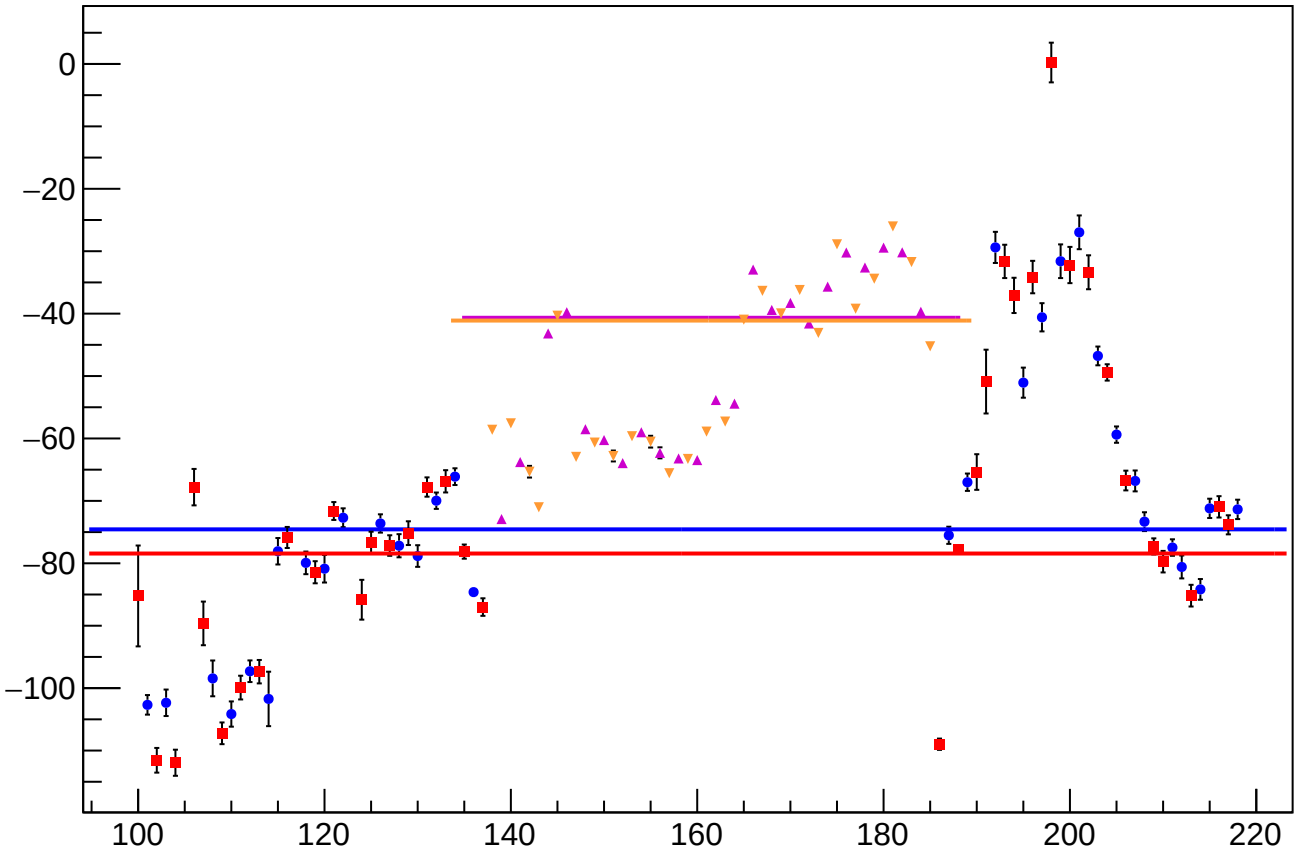
Right Out: -1.356+/-0.323 χ^2/NDF: 1345.5/35

Left In: 6.856+/-0.081 χ^2/NDF:2156.4/22

+ sign 6.757+/-0.078 χ^2/NDF: 4459.1/56

All: 6.566+/-0.055 χ^2/NDF: 8580.6/115

- sign 6.370+/-0.079 χ^2/NDF: 4109.2/58



Right In: -74.562+/-0.283 χ^2/NDF: 3068.7/31

Left Out: -41.111+/-0.100 χ^2/NDF:16000.8/24

Right Out: -78.434+/-0.279 χ^2/NDF: 4964.0/35

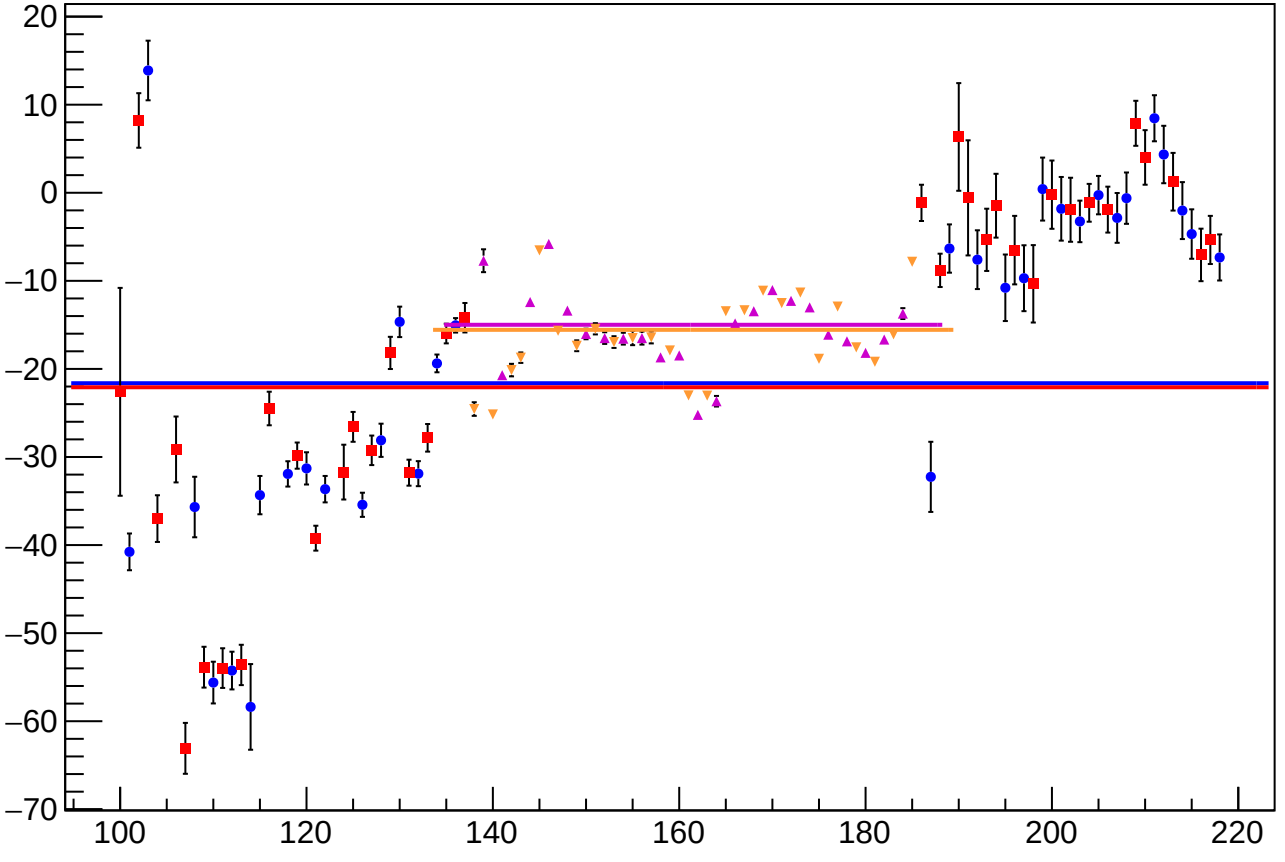
Left In: -40.665+/-0.102 χ^2/NDF:13541.3/22

\+ sign -44.830+/-0.094 χ^2/NDF: 31511.0/56

All: -44.983+/-0.067 χ^2/NDF: 66200.1/115

\- sign -45.141+/-0.096 χ^2/NDF: 34683.8/58

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs Slug



Right In: -21.624+/-0.349 χ^2/NDF: 1828.1/31

Left Out: -15.562+/-0.089 χ^2/NDF:2549.5/24

Right Out: -22.084+/-0.370 χ^2/NDF: 2037.4/35

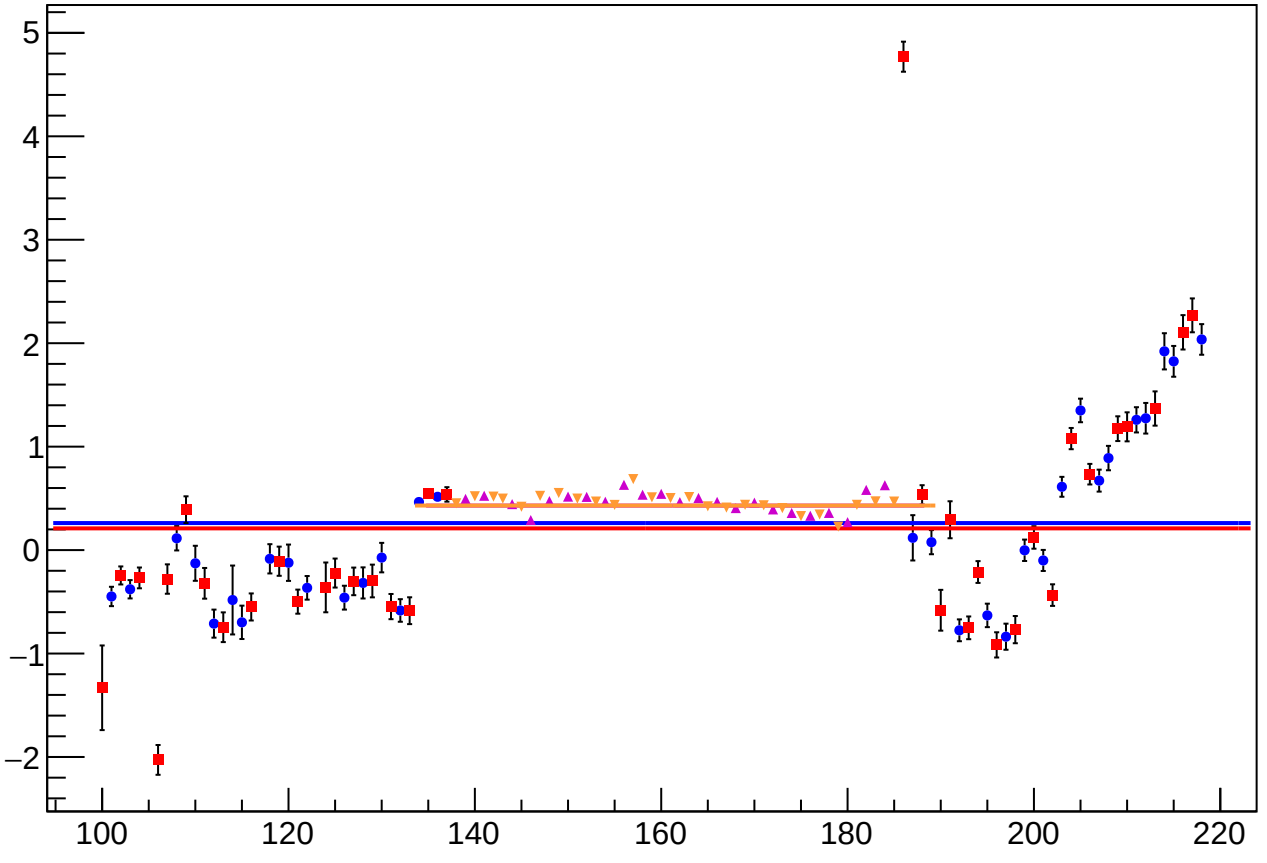
Left In: -14.990+/-0.090 χ^2/NDF:2150.9/22

+ sign -15.932+/-0.086 χ^2/NDF: 4661.1/56

All: -15.666+/-0.061 χ^2/NDF: 9216.6/115

- sign -15.389+/-0.088 χ^2/NDF: 4536.1/58

reg_asym_sam_3726_avg_diff_bpm12X_slope vs Slug



Right In: 0.261+/-0.017 χ^2/NDF: 1305.7/31

Left Out: 0.431+/-0.004 χ^2/NDF:418.4/24

Right Out: 0.210+/-0.019 χ^2/NDF: 2485.7/35

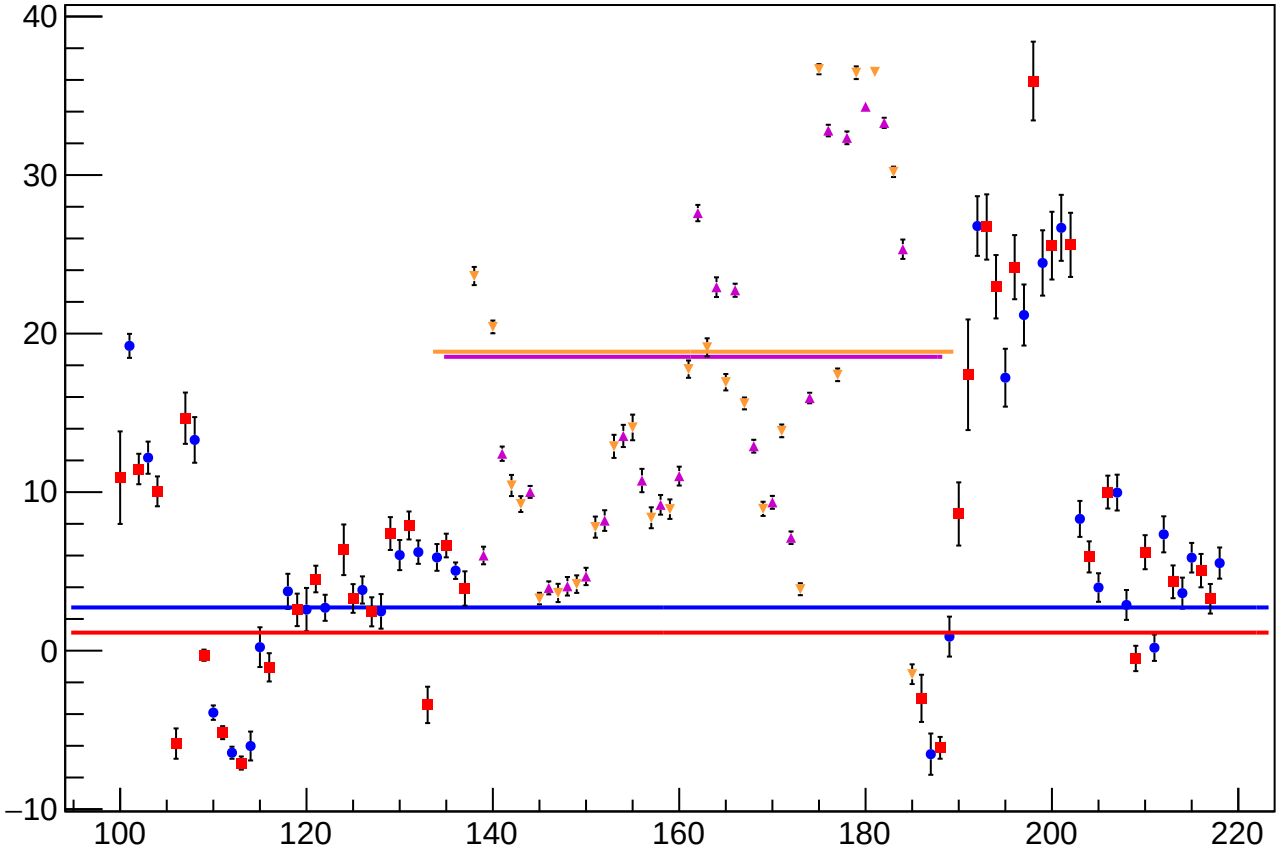
Left In: 0.430+/-0.004 χ^2/NDF:583.6/22

+ sign 0.422+/-0.004 χ^2/NDF: 1813.5/56

All: 0.421+/-0.003 χ^2/NDF: 5012.7/115

- sign 0.420+/-0.004 χ^2/NDF: 3199.0/58

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs Slug



Right In: 2.727+/-0.155 χ^2/NDF: 2301.6/31

Left Out: 18.858+/-0.090 χ^2/NDF:18374.1/24

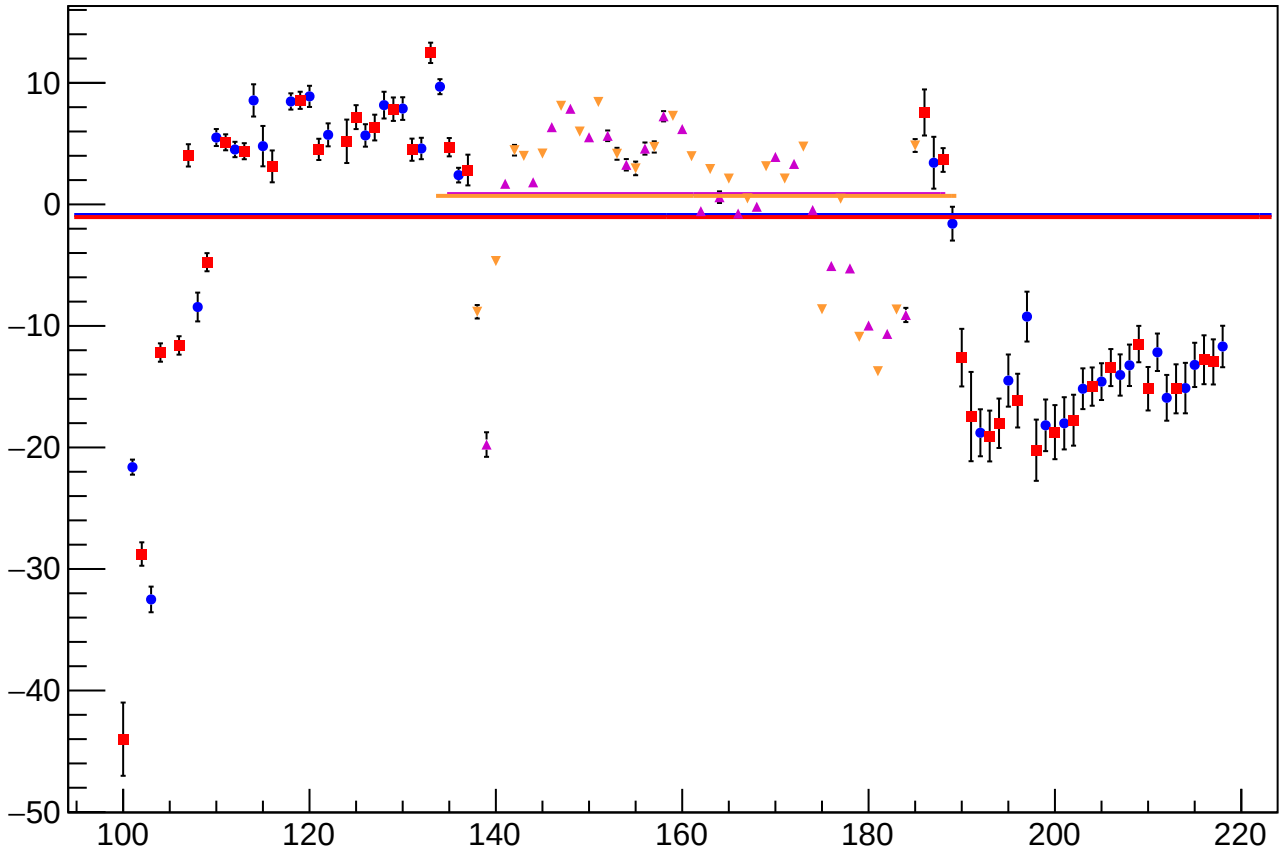
Right Out: 1.139+/-0.145 χ^2/NDF: 2385.3/35

Left In: 18.535+/-0.093 χ^2/NDF:14066.0/22

+ sign 14.755+/-0.078 χ^2/NDF: 28773.4/56

All: 14.113+/-0.055 χ^2/NDF: 55508.3/115

- sign 13.465+/-0.078 χ^2/NDF: 26599.1/58



Right In: -0.873+/-0.185 χ^2/NDF: 4007.0/31

Left Out: 0.702+/-0.071 χ^2/NDF:8237.8/24

Right Out: -1.044+/-0.183 χ^2/NDF: 3312.2/35

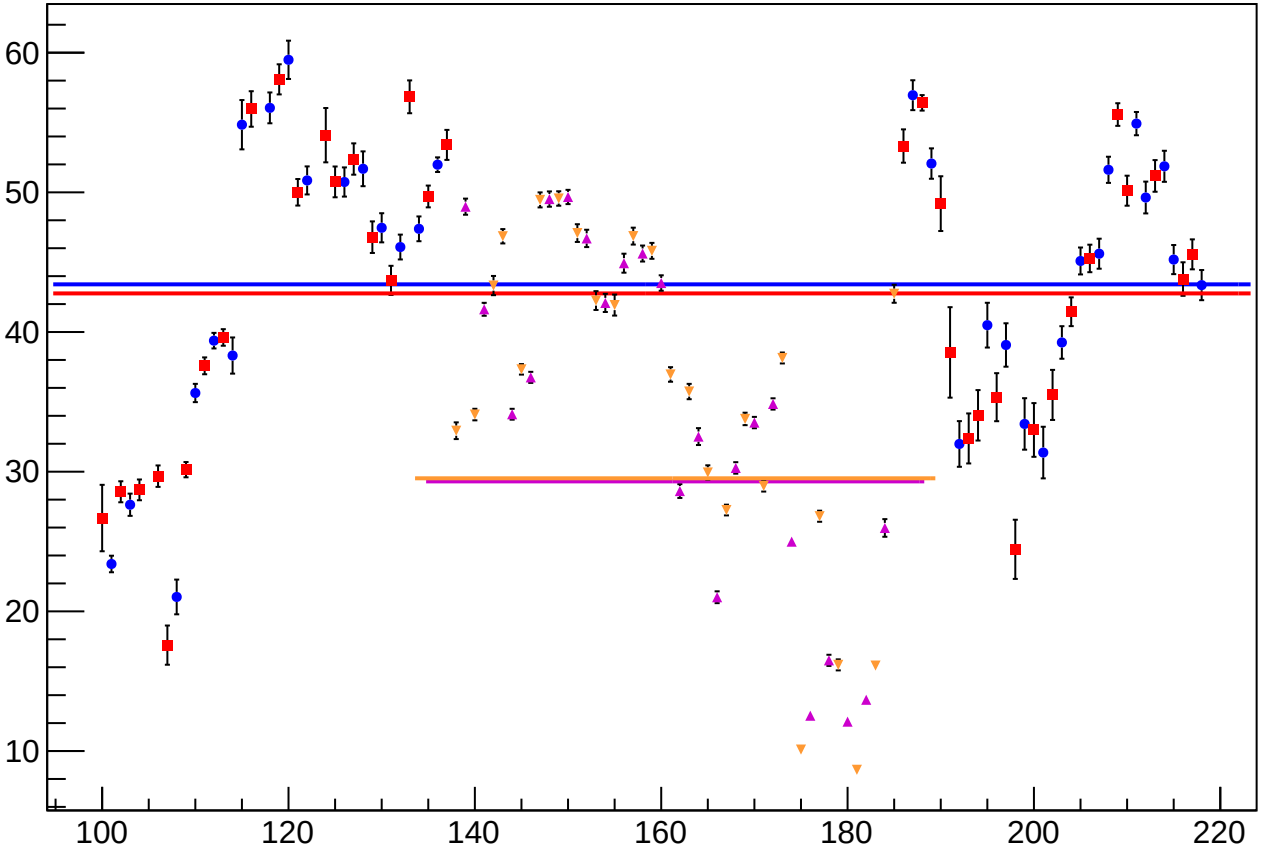
Left In: 0.847+/-0.072 χ^2/NDF:6045.4/22

+ sign 0.502+/-0.066 χ^2/NDF: 12307.9/56

All: 0.546+/-0.047 χ^2/NDF: 21758.2/115

- sign 0.592+/-0.067 χ^2/NDF: 9449.5/58

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs Slug



Right In: 43.413+/-0.170 χ^2/NDF: 3569.6/31

Left Out: 29.526+/-0.091 χ^2/NDF:21083.7/24

Right Out: 42.764+/-0.164 χ^2/NDF: 4123.7/35

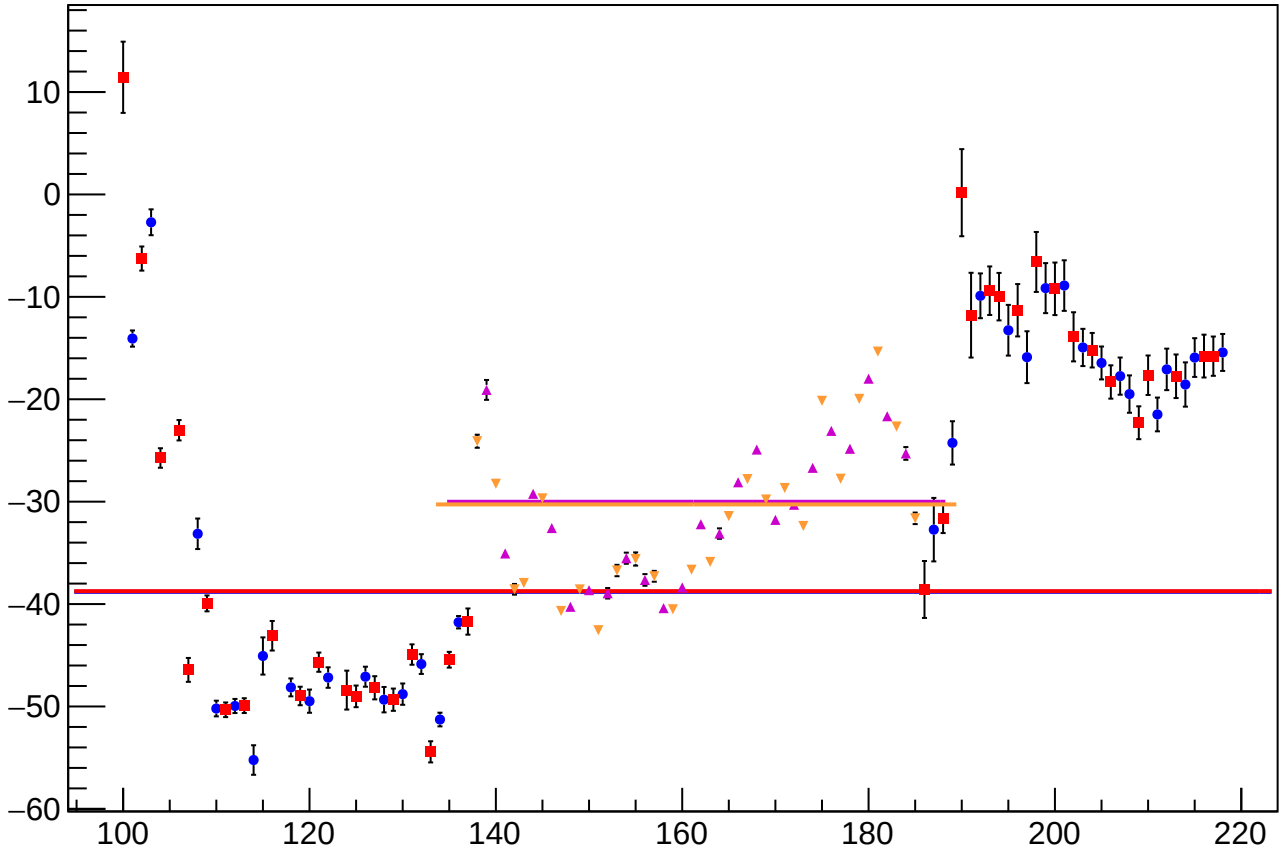
Left In: 29.306+/-0.093 χ^2/NDF:17870.3/22

+ sign 32.599+/-0.080 χ^2/NDF: 29854.8/56

All: 32.589+/-0.057 χ^2/NDF: 56929.6/115

- sign 32.577+/-0.081 χ^2/NDF: 27074.8/58

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs Slug



Right In: -38.806+/-0.209 χ^2/NDF: 5314.5/31

Left Out: -30.268+/-0.079 χ^2/NDF:8500.0/24

Right Out: -38.741+/-0.209 χ^2/NDF: 4649.6/35

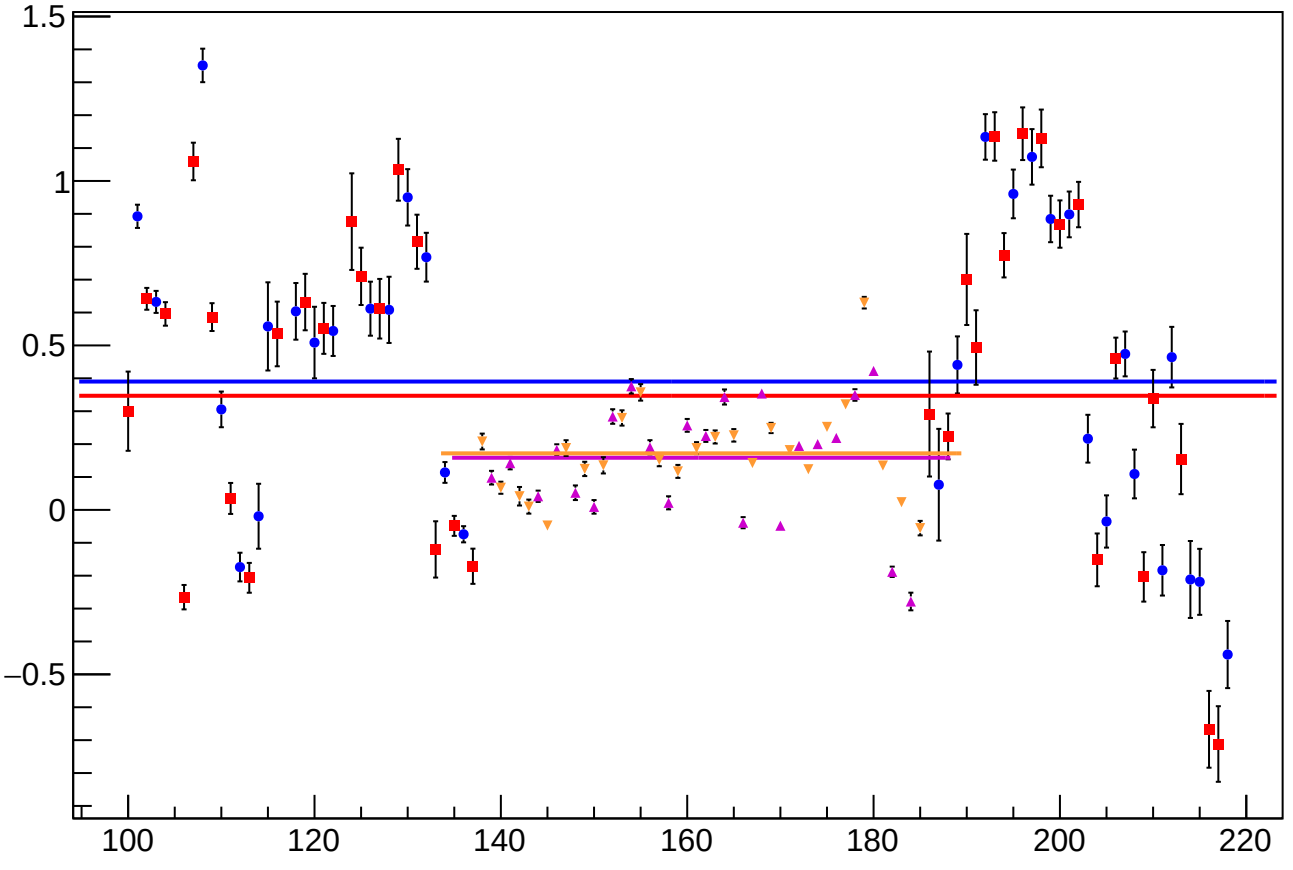
Left In: -30.012+/-0.081 χ^2/NDF:6083.1/22

+ sign -31.342+/-0.074 χ^2/NDF: 15274.3/56

All: -31.252+/-0.053 χ^2/NDF: 27523.0/115

- sign -31.158+/-0.076 χ^2/NDF: 12245.7/58

reg_asym_sam_15_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.390+/-0.010 χ^2/NDF: 1906.6/31

Left Out: 0.172+/-0.004 χ^2/NDF:1501.3/24

Right Out: 0.347+/-0.010 χ^2/NDF: 1947.3/35

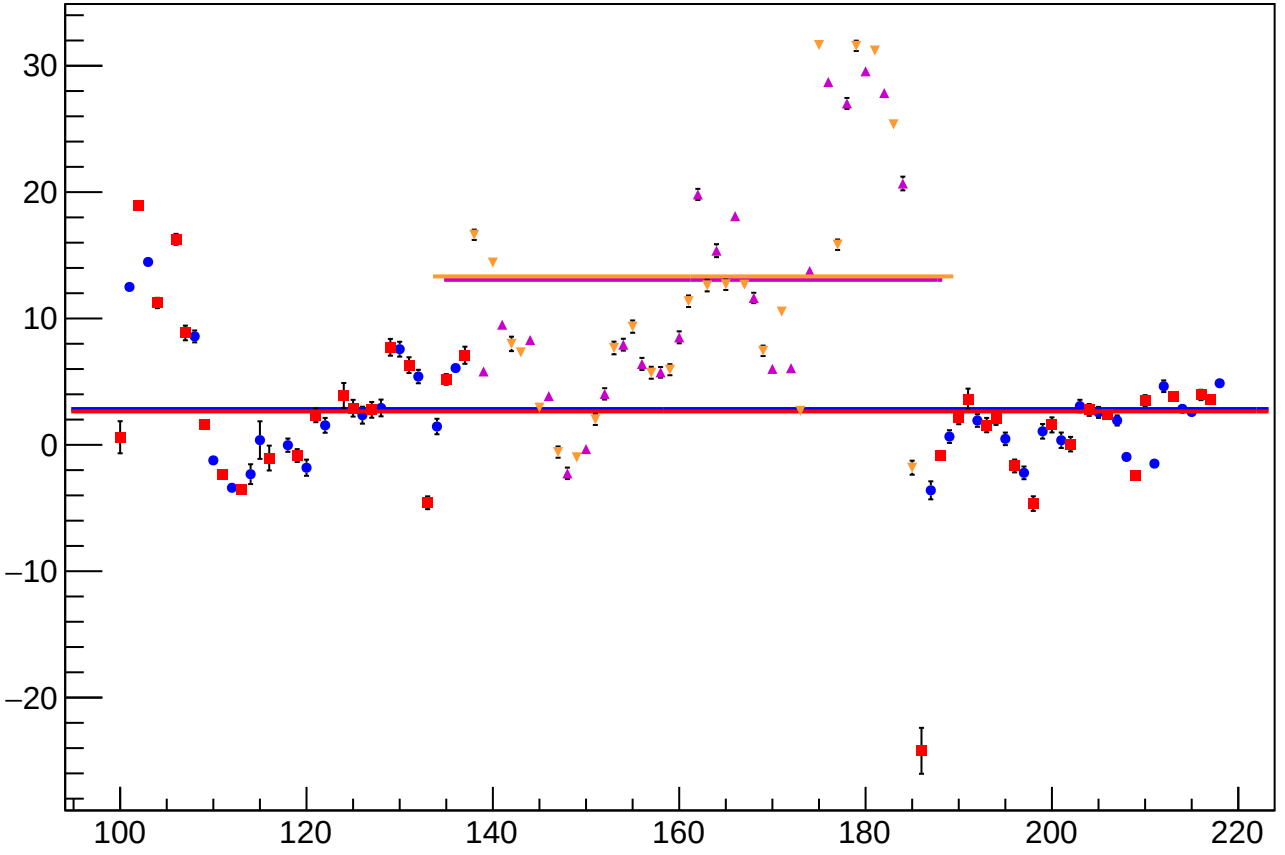
Left In: 0.159+/-0.004 χ^2/NDF:2187.4/22

+ sign 0.194+/-0.003 χ^2/NDF: 3797.8/56

All: 0.187+/-0.002 χ^2/NDF: 8235.2/115

- sign 0.179+/-0.003 χ^2/NDF: 4427.1/58

reg_asym_sam_37_48_dd_diff_bpm1X_slope vs Slug



Right In: 2.833+/-0.080 χ^2/NDF: 3384.6/31

Left Out: 13.331+/-0.077 χ^2/NDF:19432.7/24

Right Out: 2.643+/-0.076 χ^2/NDF: 5415.9/35

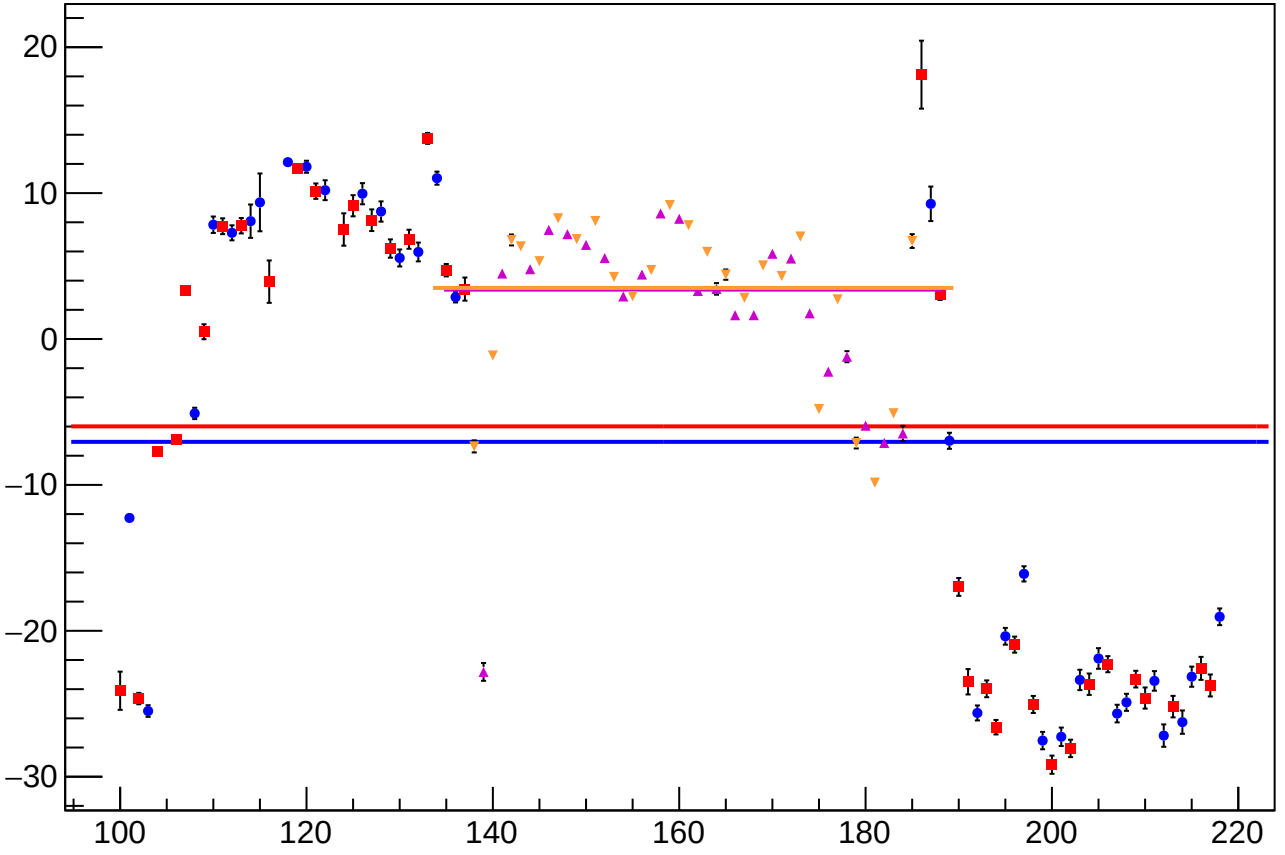
Left In: 13.061+/-0.079 χ^2/NDF:15559.8/22

+ sign 8.302+/-0.055 χ^2/NDF: 31774.1/56

All: 7.975+/-0.039 χ^2/NDF: 61773.8/115

- sign 7.653+/-0.055 χ^2/NDF: 29930.6/58

reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs Slug



Right In: -7.049+/-0.093 χ^2/NDF: 25190.6/31

Left Out: 3.502+/-0.059 χ^2/NDF:7911.7/24

Right Out: -5.988+/-0.089 χ^2/NDF: 27317.3/35

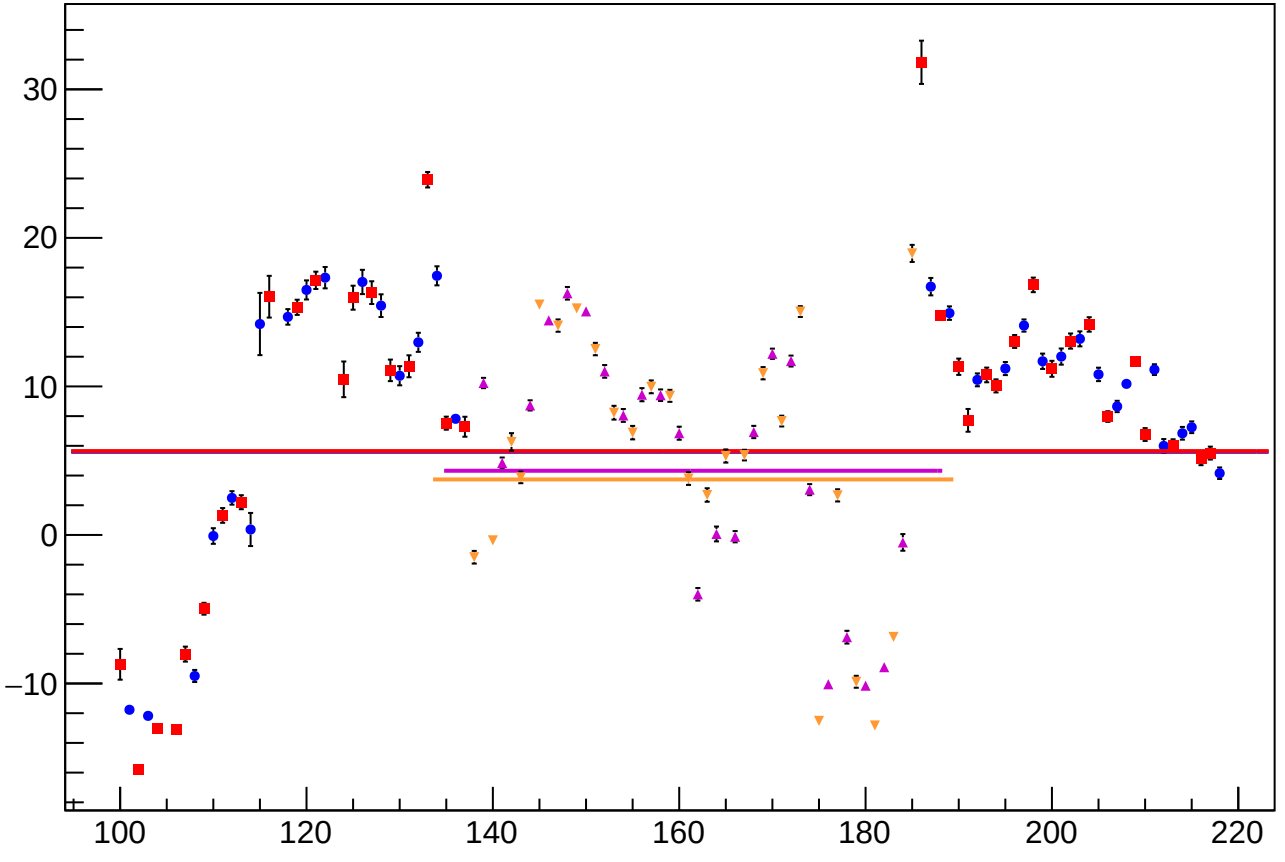
Left In: 3.385+/-0.061 χ^2/NDF:6707.6/22

+ sign 0.526+/-0.050 χ^2/NDF: 42260.7/56

All: 0.459+/-0.035 χ^2/NDF: 83834.8/115

- sign 0.389+/-0.050 χ^2/NDF: 41570.3/58

reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs Slug



Right In: 5.602+/-0.080 χ^2/NDF: 14161.6/31

Left Out: 3.738+/-0.076 χ^2/NDF:15586.7/24

Right Out: 5.642+/-0.076 χ^2/NDF: 20397.5/35

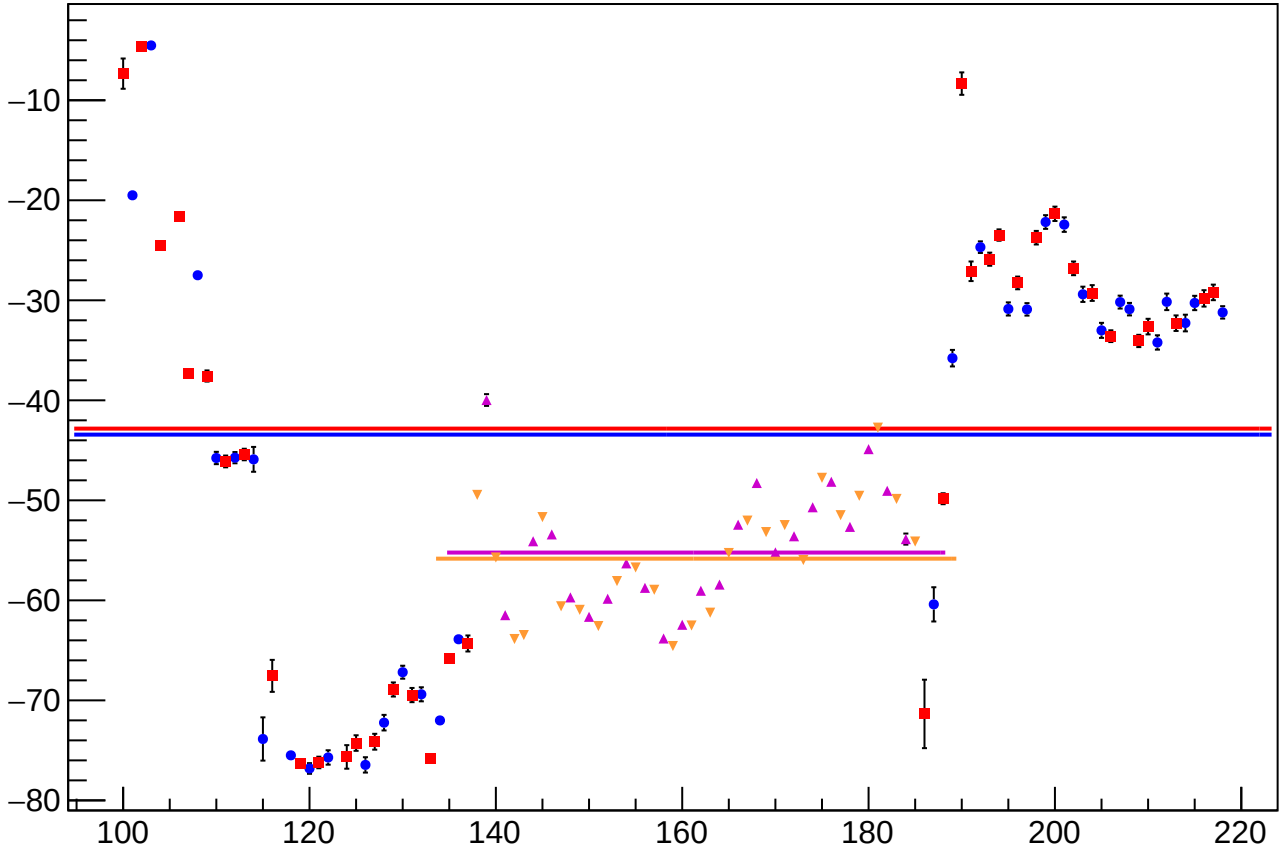
Left In: 4.322+/-0.079 χ^2/NDF:12483.3/22

+ sign 4.629+/-0.055 χ^2/NDF: 30032.9/56

All: 4.819+/-0.039 χ^2/NDF: 63082.8/115

- sign 5.005+/-0.055 χ^2/NDF: 33026.6/58

reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs Slug



Right In: -43.429+/-0.108 χ^2/NDF: 43545.9/31

Left Out: -55.832+/-0.066 χ^2/NDF:7592.5/24

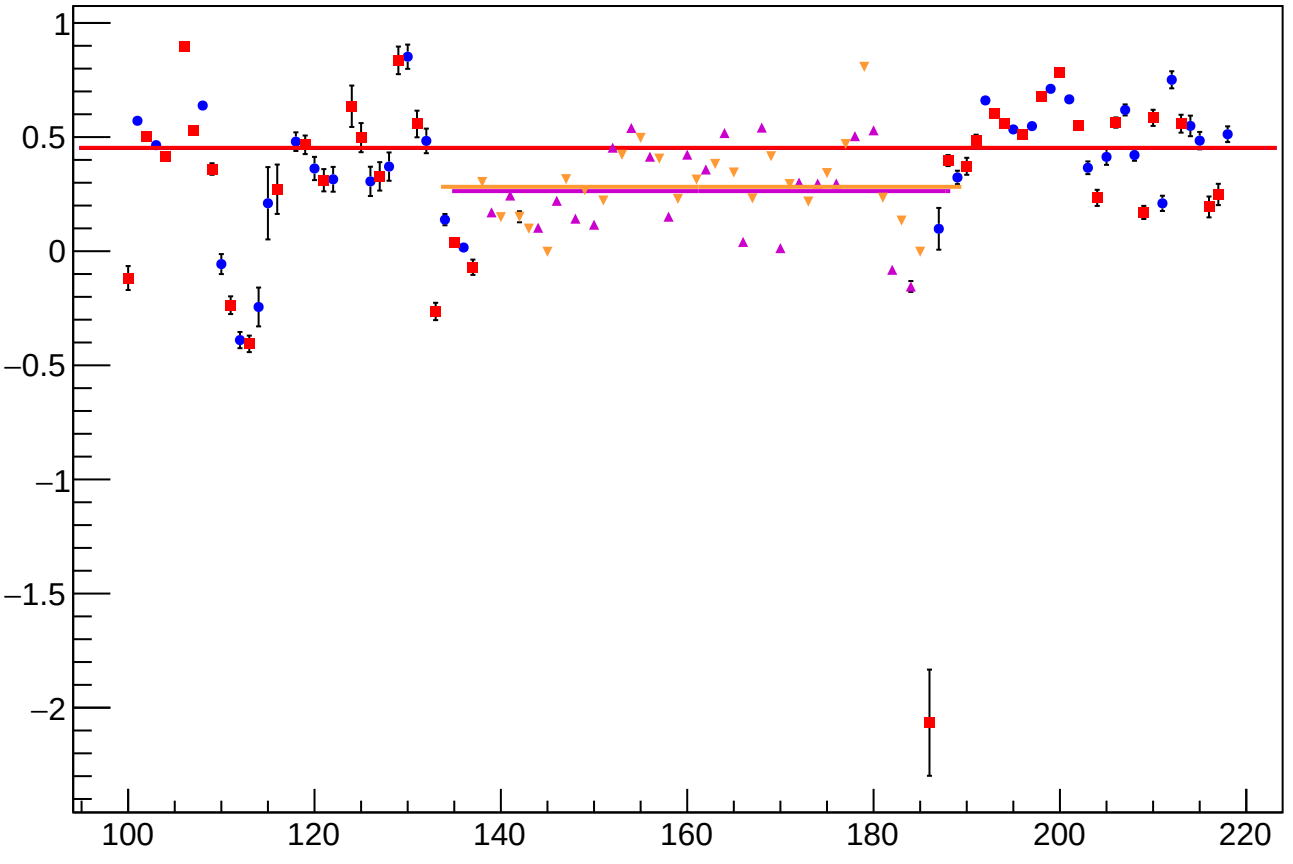
Right Out: -42.829+/-0.105 χ^2/NDF: 44578.3/35

Left In: -55.222+/-0.069 χ^2/NDF:6343.0/22

+ sign -52.434+/-0.057 χ^2/NDF: 60714.1/56

All: -51.965+/-0.040 χ^2/NDF: 121594.6/115

- sign -51.482+/-0.057 χ^2/NDF: 60740.7/58



Right In: 0.452+/-0.005 χ^2/NDF: 2732.9/31

Left Out: 0.282+/-0.003 χ^2/NDF:2712.4/24

Right Out: 0.453+/-0.004 χ^2/NDF: 3821.8/35

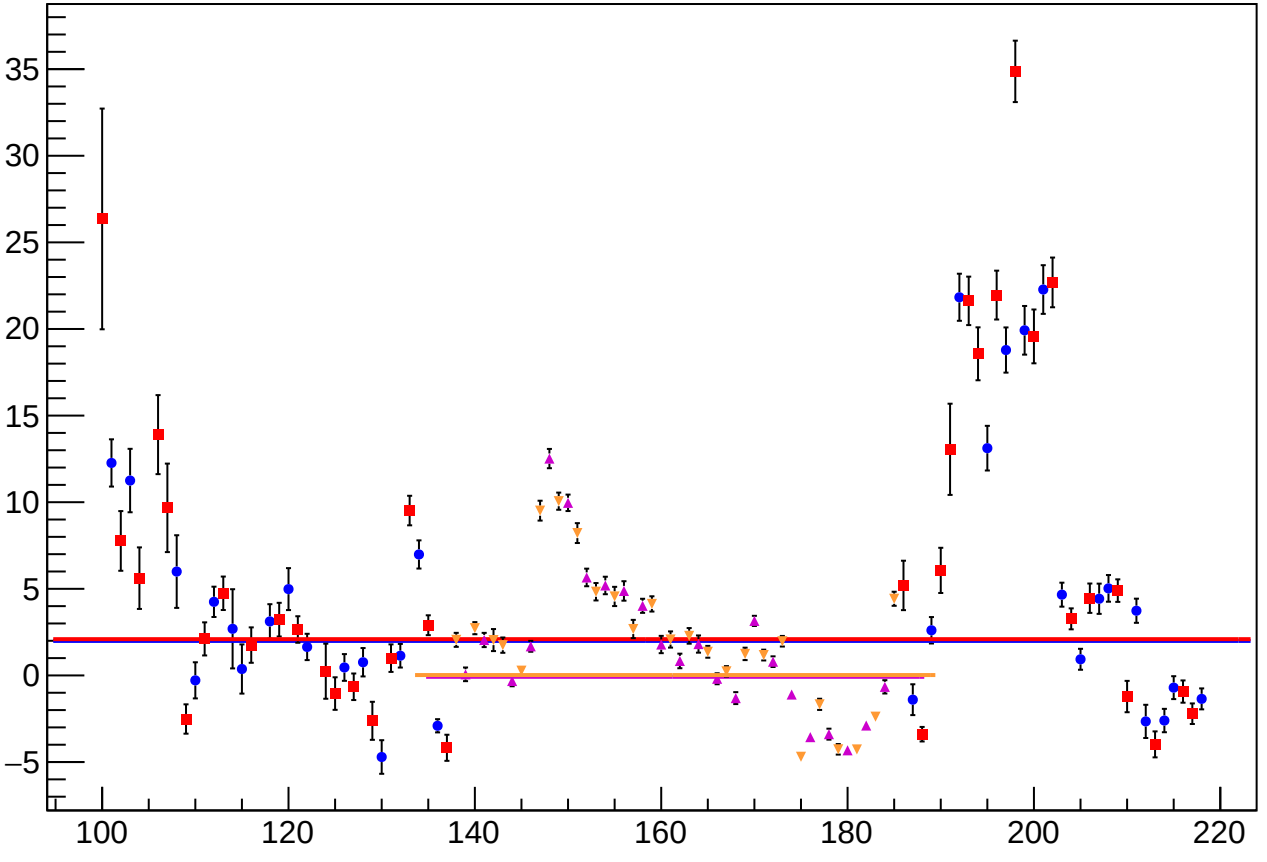
Left In: 0.263+/-0.003 χ^2/NDF:3835.8/22

+ sign 0.333+/-0.002 χ^2/NDF: 6420.5/56

All: 0.329+/-0.002 χ^2/NDF: 15363.7/115

- sign 0.325+/-0.002 χ^2/NDF: 8938.6/58

reg_asym_sam_15_26_dd_diff_bpm1X_slope vs Slug



Right In: 1.993+/-0.147 χ^2/NDF: 1368.9/31

Left Out: 0.022+/-0.069 χ^2/NDF:2759.3/24

Right Out: 2.094+/-0.150 χ^2/NDF: 1866.5/35

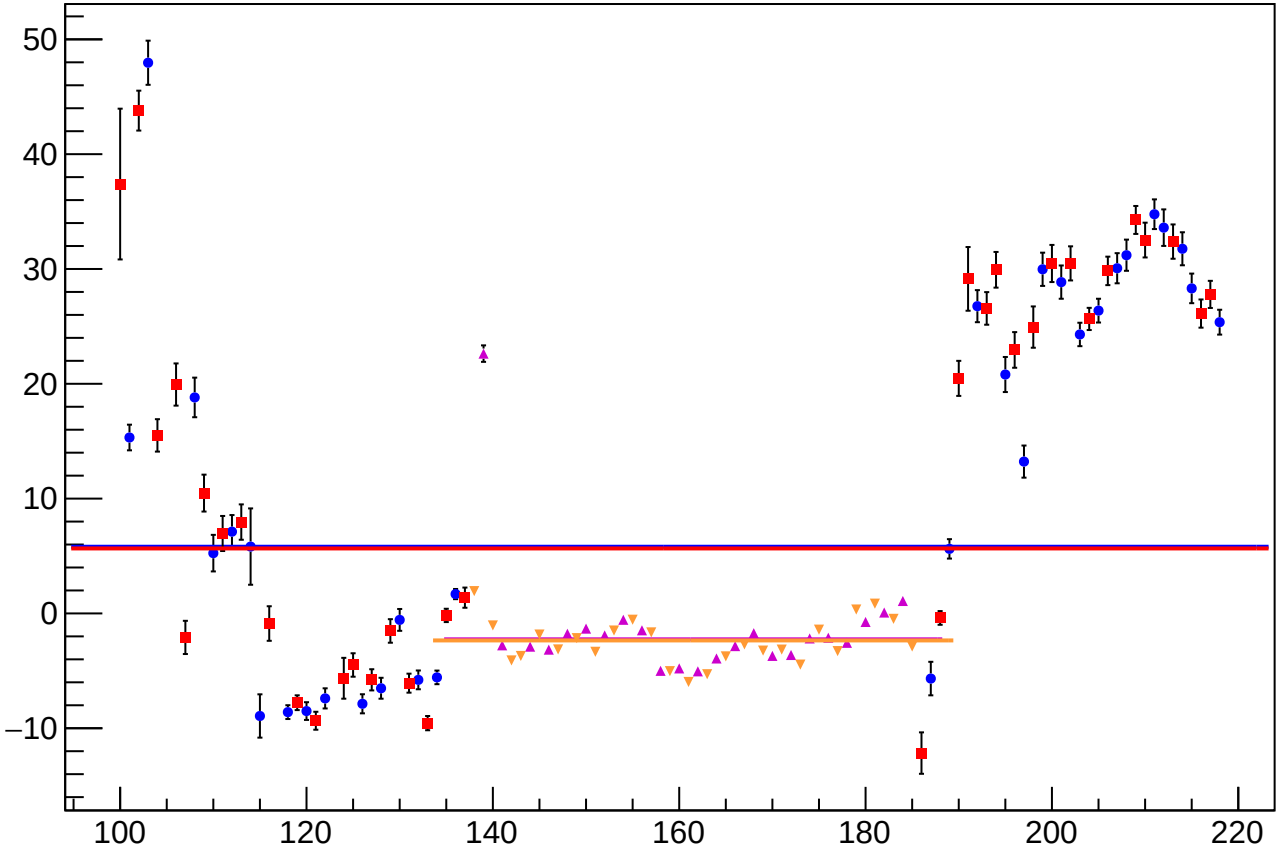
Left In: -0.080+/-0.071 χ^2/NDF:2464.5/22

+ sign 0.373+/-0.062 χ^2/NDF: 4275.4/56

All: 0.345+/-0.045 χ^2/NDF: 8778.6/115

- sign 0.315+/-0.064 χ^2/NDF: 4502.8/58

reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs Slug



Right In: 5.807+/-0.177 χ^2/NDF: 7092.7/31

Left Out: -2.352+/-0.055 χ^2/NDF:1125.6/24

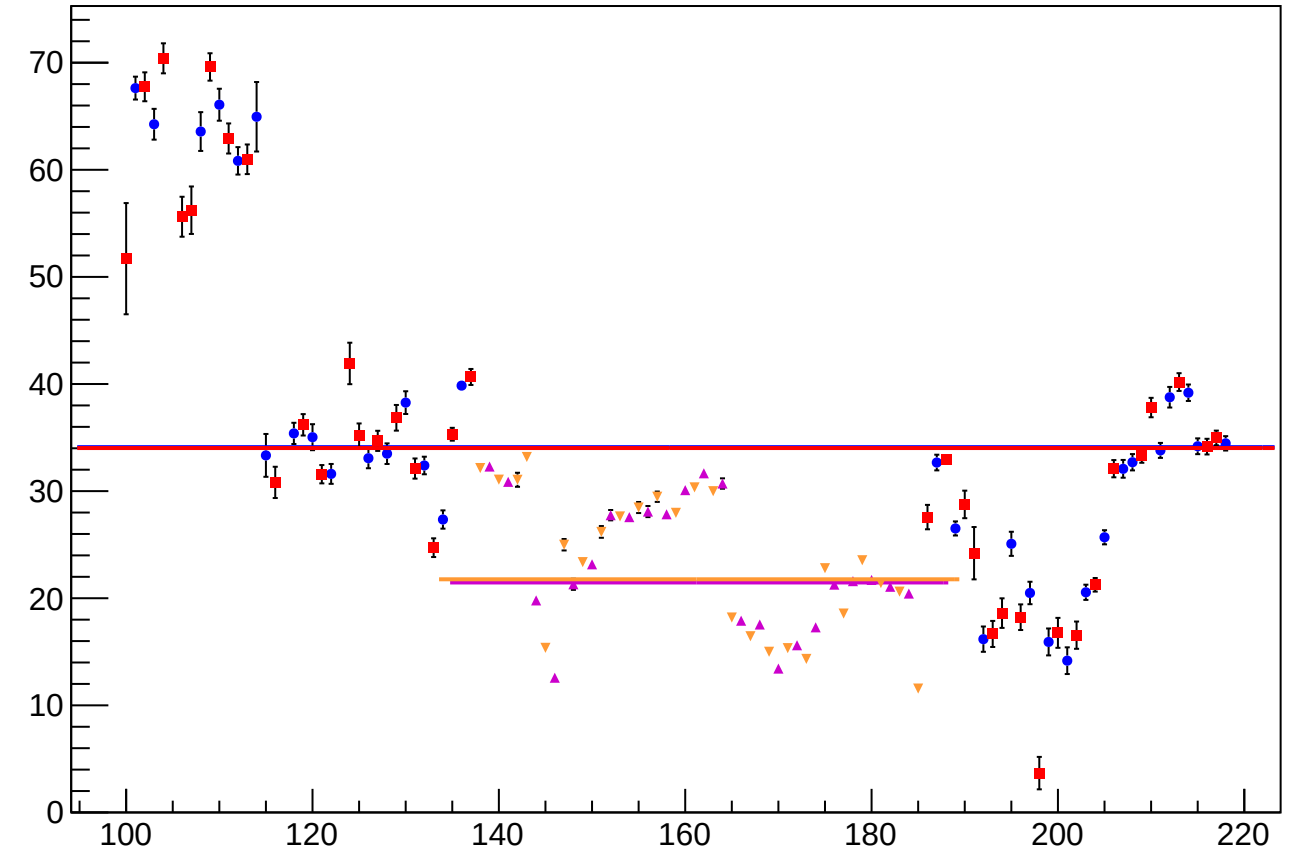
Right Out: 5.660+/-0.183 χ^2/NDF: 6951.3/35

Left In: -2.257+/-0.056 χ^2/NDF:1877.2/22

+ sign -1.634+/-0.053 χ^2/NDF: 10148.8/56

All: -1.603+/-0.038 χ^2/NDF: 20688.7/115

- sign -1.570+/-0.054 χ^2/NDF: 10539.2/58



Right In: 34.104+/-0.153 χ^2/NDF: 4660.2/31

Left Out: 21.768+/-0.069 χ^2/NDF:6814.2/24

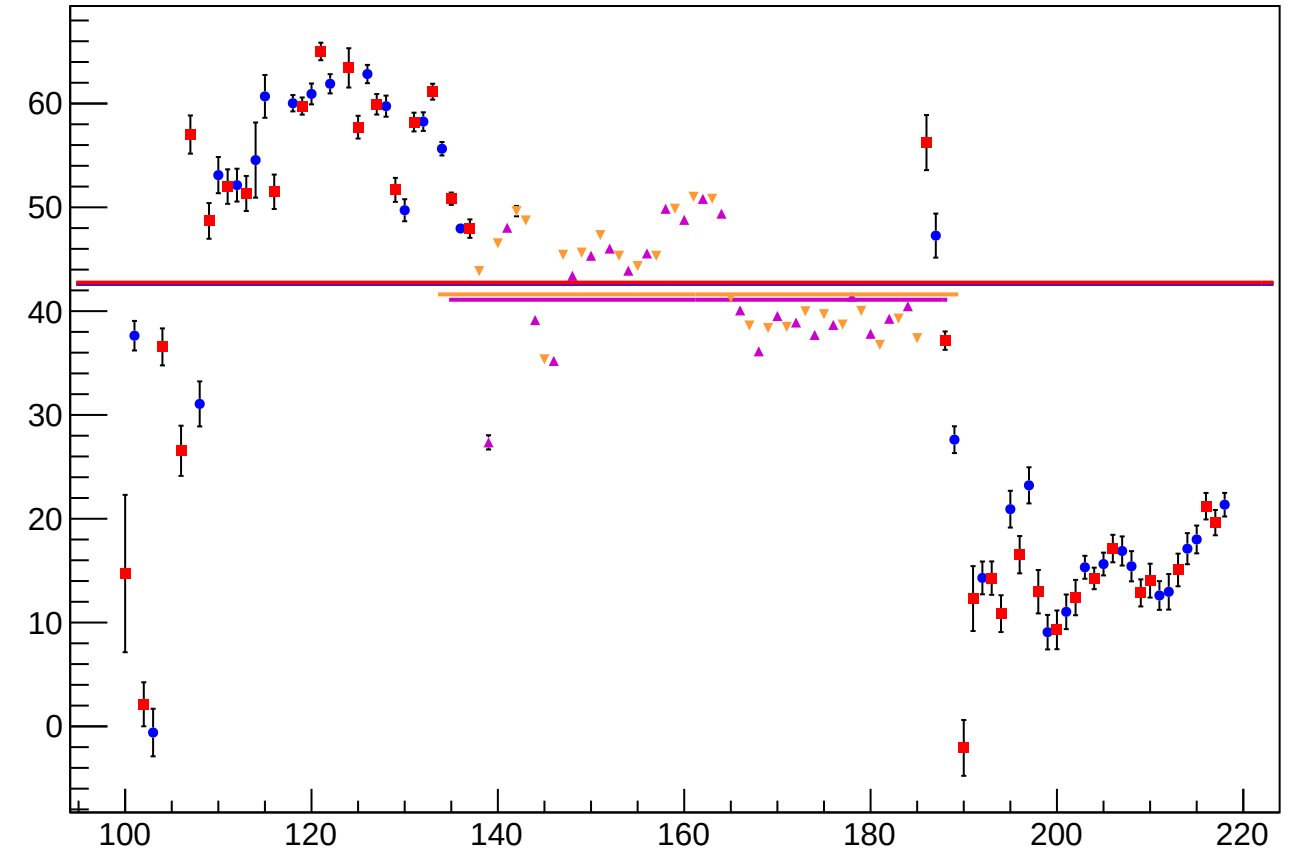
Right Out: 34.022+/-0.153 χ^2/NDF: 5170.2/35

Left In: 21.472+/-0.071 χ^2/NDF:5787.4/22

+ sign 23.852+/-0.063 χ^2/NDF: 16895.4/56

All: 23.765+/-0.045 χ^2/NDF: 33401.2/115

- sign 23.675+/-0.064 χ^2/NDF: 16501.9/58



Right In: 42.626+/-0.199 χ^2/NDF: 8665.7/31

Left Out: 41.613+/-0.061 χ^2/NDF:5776.0/24

Right Out: 42.748+/-0.209 χ^2/NDF: 8520.2/35

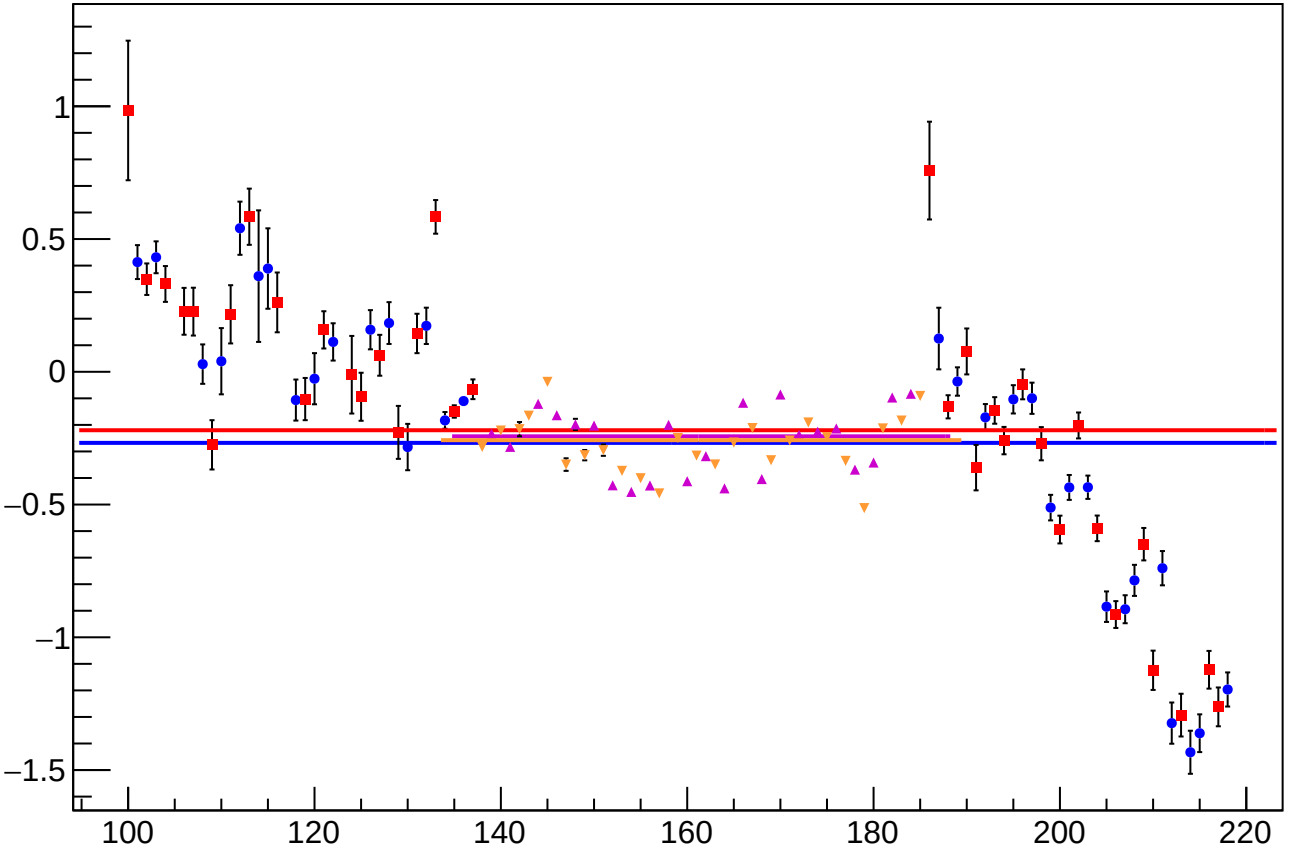
Left In: 41.098+/-0.063 χ^2/NDF:5478.0/22

+ sign 41.701+/-0.059 χ^2/NDF: 14465.5/56

All: 41.474+/-0.042 χ^2/NDF: 28552.0/115

- sign 41.234+/-0.060 χ^2/NDF: 14055.5/58

reg_asym_sam_15_26_dd_diff_bpm12X_slope vs Slug



Right In: -0.268+/-0.010 χ^2/NDF: 1920.3/31

Left Out: -0.258+/-0.003 χ^2/NDF:1515.1/24

Right Out: -0.220+/-0.010 χ^2/NDF: 1681.5/35

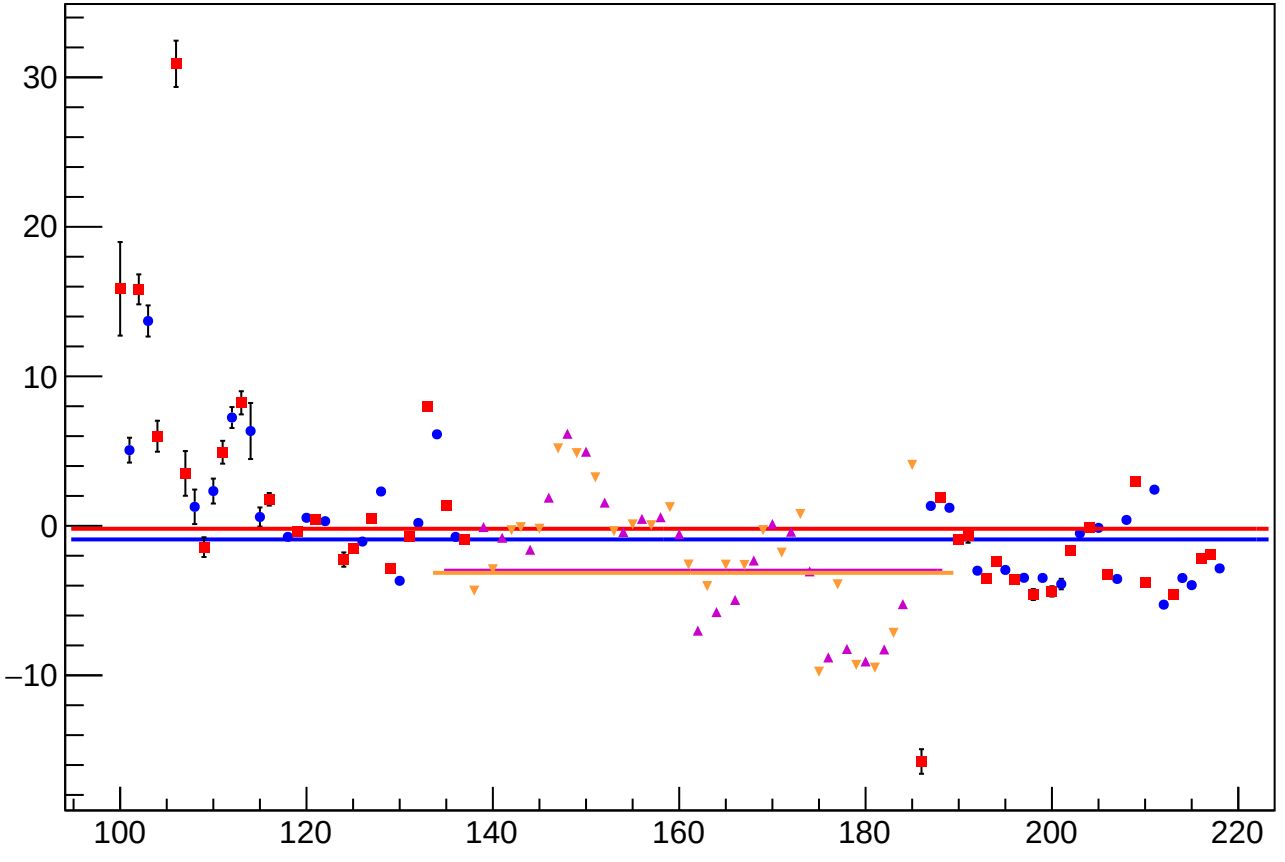
Left In: -0.243+/-0.003 χ^2/NDF:1811.8/22

+ sign -0.258+/-0.003 χ^2/NDF: 3436.4/56

All: -0.250+/-0.002 χ^2/NDF: 6954.8/115

- sign -0.241+/-0.003 χ^2/NDF: 3498.0/58

reg_asym_sam_37_26_dd_diff_bpm1X_slope vs Slug



Right In: -0.910+/-0.045 χ^2/NDF: 3294.4/31

Left Out: -3.144+/-0.028 χ^2/NDF:25358.6/24

Right Out: -0.197+/-0.044 χ^2/NDF: 5732.8/35

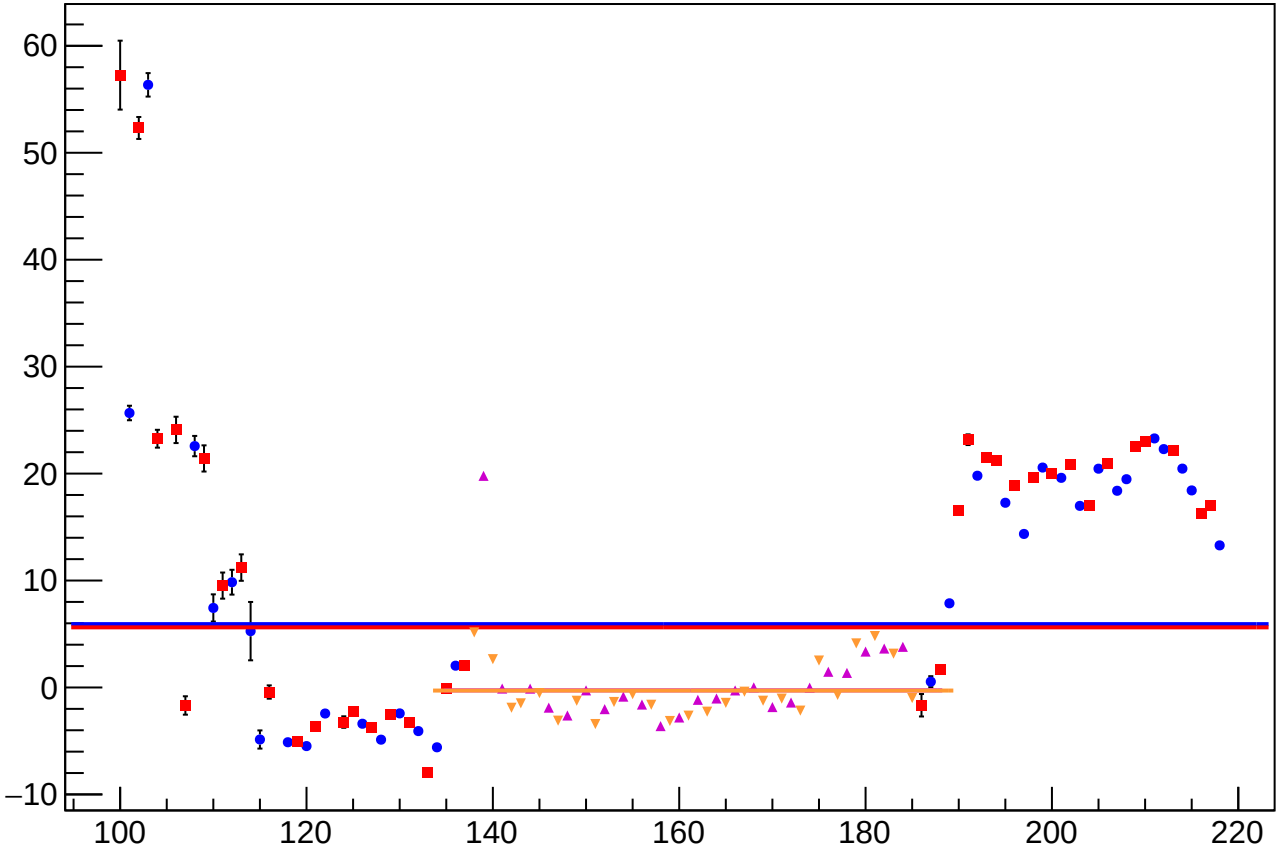
Left In: -2.999+/-0.028 χ^2/NDF:22425.0/22

+ sign -2.525+/-0.024 χ^2/NDF: 30453.2/56

All: -2.358+/-0.017 χ^2/NDF: 61530.8/115

- sign -2.185+/-0.024 χ^2/NDF: 30975.2/58

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs Slug



Right In: 5.924+/-0.053 χ^2/NDF: 44970.6/31

Left Out: -0.288+/-0.022 χ^2/NDF:12198.2/24

Right Out: 5.622+/-0.052 χ^2/NDF: 53026.0/35

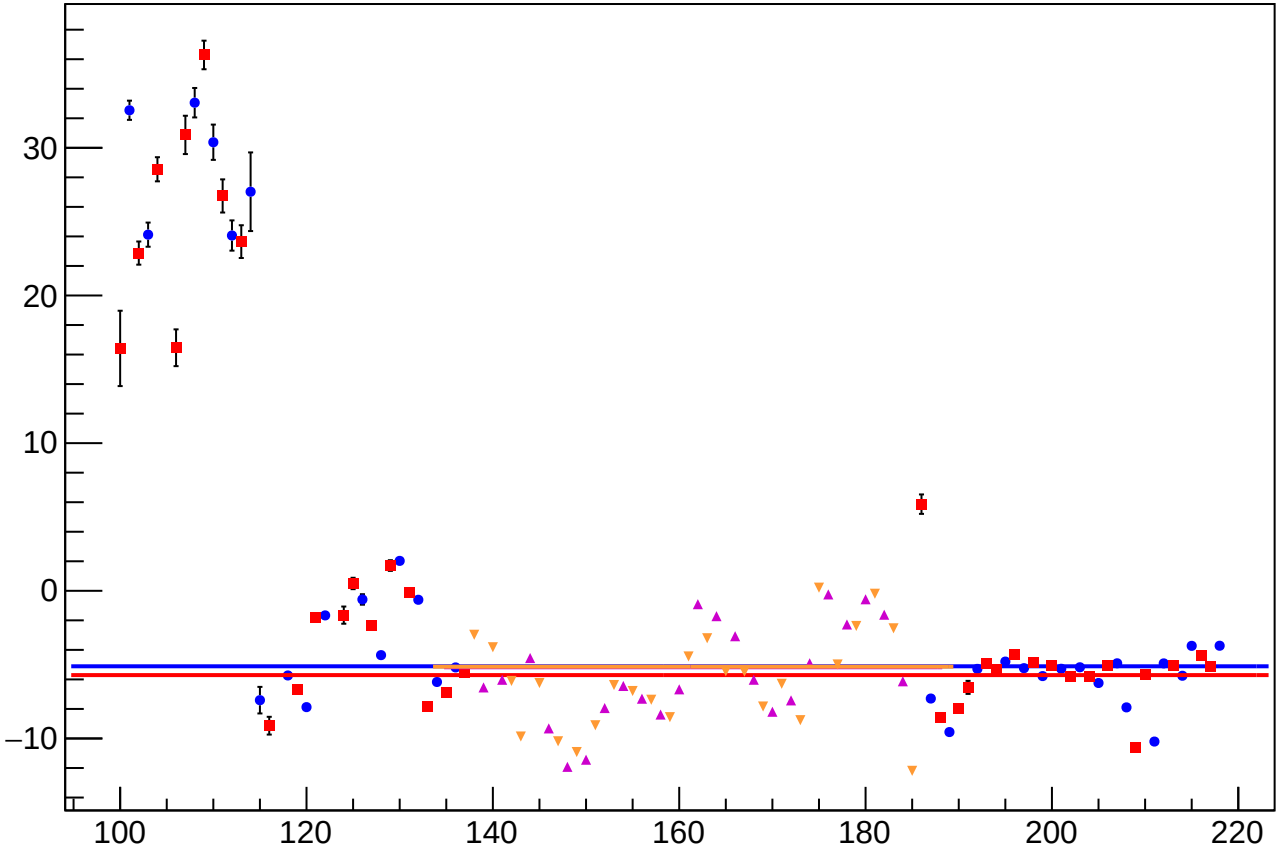
Left In: -0.271+/-0.022 χ^2/NDF:13220.8/22

+ sign 0.603+/-0.020 χ^2/NDF: 68810.2/56

All: 0.622+/-0.014 χ^2/NDF: 145870.2/115

- sign 0.641+/-0.020 χ^2/NDF: 77058.3/58

reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs Slug



Right In: -5.111+/-0.045 χ^2/NDF: 10803.6/31

Left Out: -5.138+/-0.028 χ^2/NDF:14626.0/24

Right Out: -5.708+/-0.044 χ^2/NDF: 11548.1/35

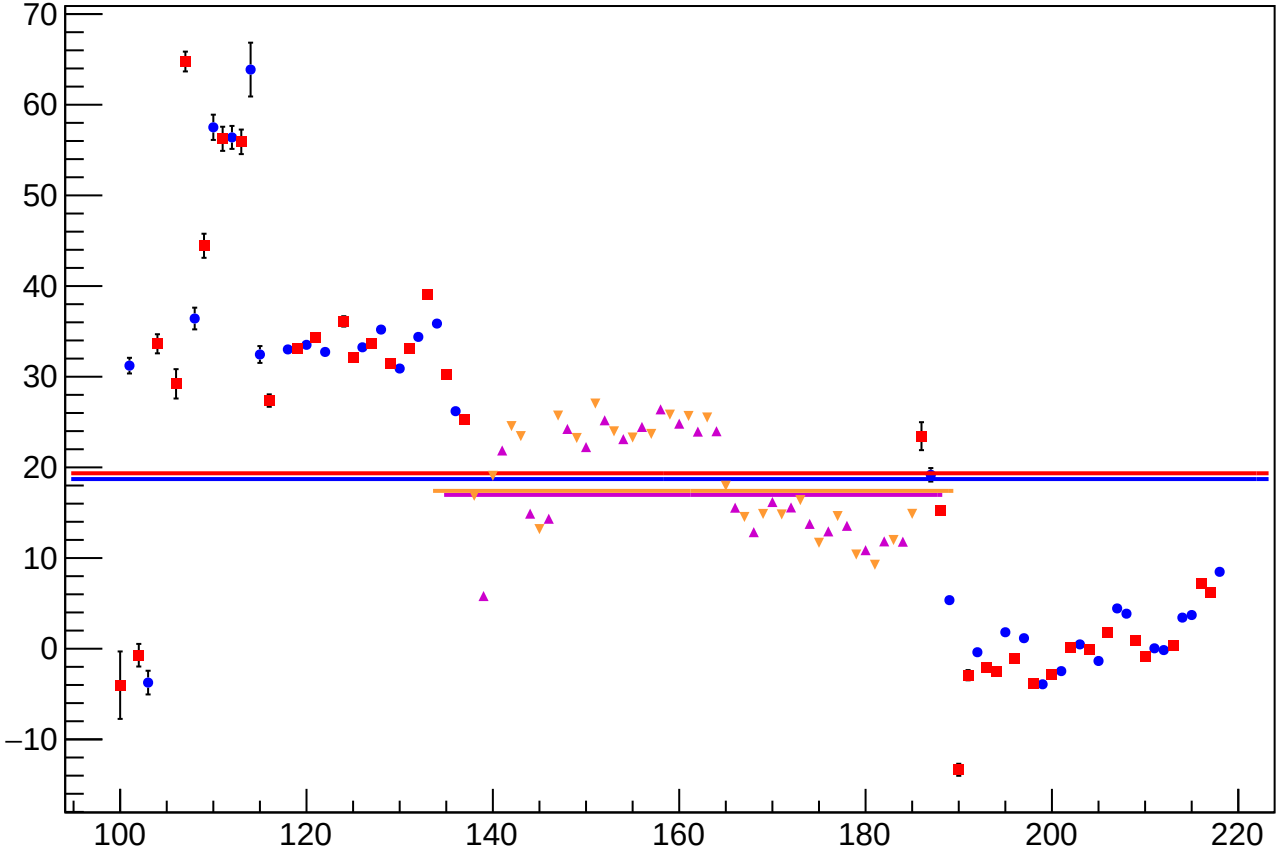
Left In: -5.177+/-0.028 χ^2/NDF:13963.7/22

+ sign -5.131+/-0.024 χ^2/NDF: 25429.8/56

All: -5.232+/-0.017 χ^2/NDF: 51082.0/115

- sign -5.335+/-0.024 χ^2/NDF: 25615.3/58

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs Slug



Right In: 18.711+/-0.061 χ^2/NDF: 65765.9/31

Left Out: 17.409+/-0.024 χ^2/NDF:50630.8/24

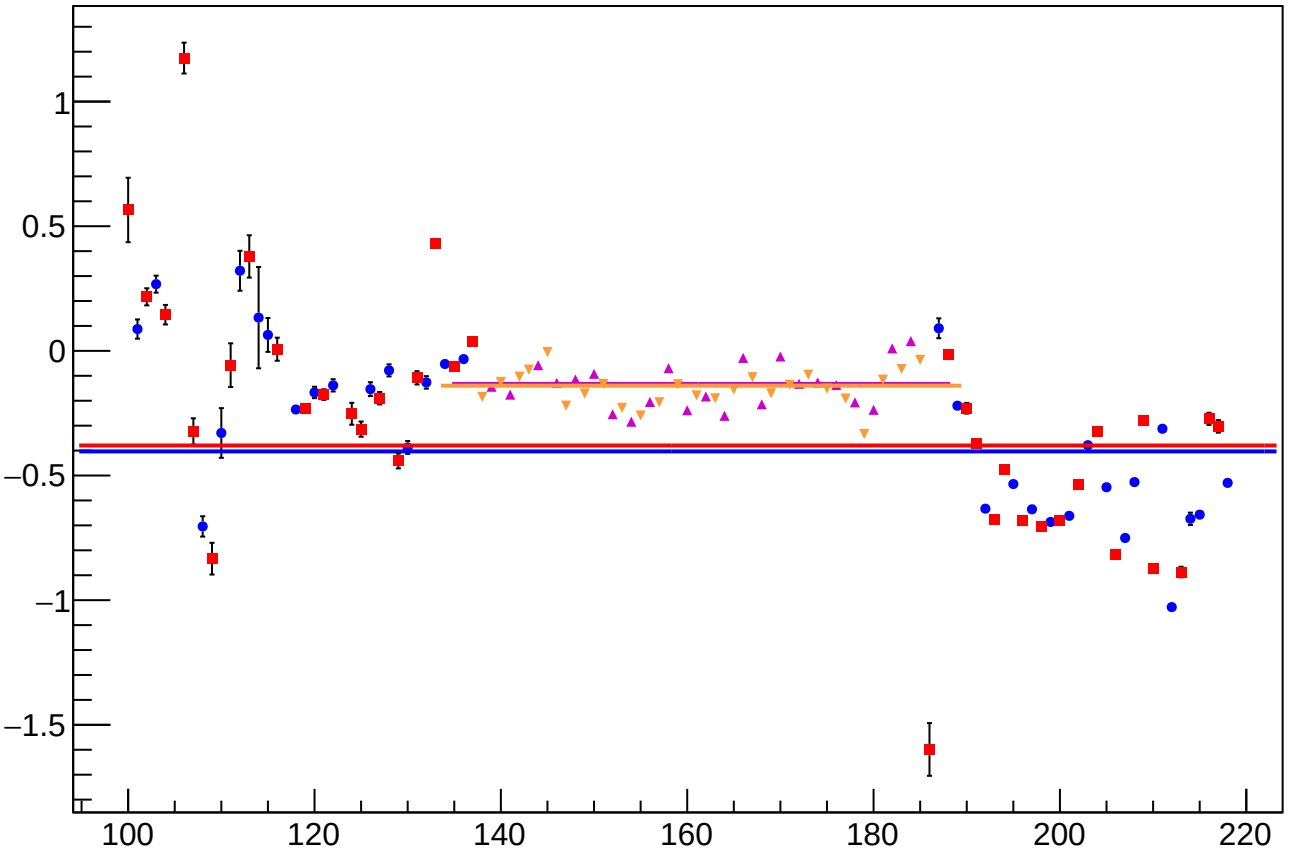
Right Out: 19.349+/-0.060 χ^2/NDF: 78619.6/35

Left In: 16.967+/-0.025 χ^2/NDF:39939.4/22

+ sign 17.591+/-0.023 χ^2/NDF: 116792.6/56

All: 17.456+/-0.016 χ^2/NDF: 236750.4/115

- sign 17.316+/-0.023 χ^2/NDF: 119885.8/58



Right In: -0.403+/-0.003 χ^2/NDF: 9907.5/31

Left Out: -0.140+/-0.001 χ^2/NDF:4108.2/24

Right Out: -0.380+/-0.003 χ^2/NDF: 14198.7/35

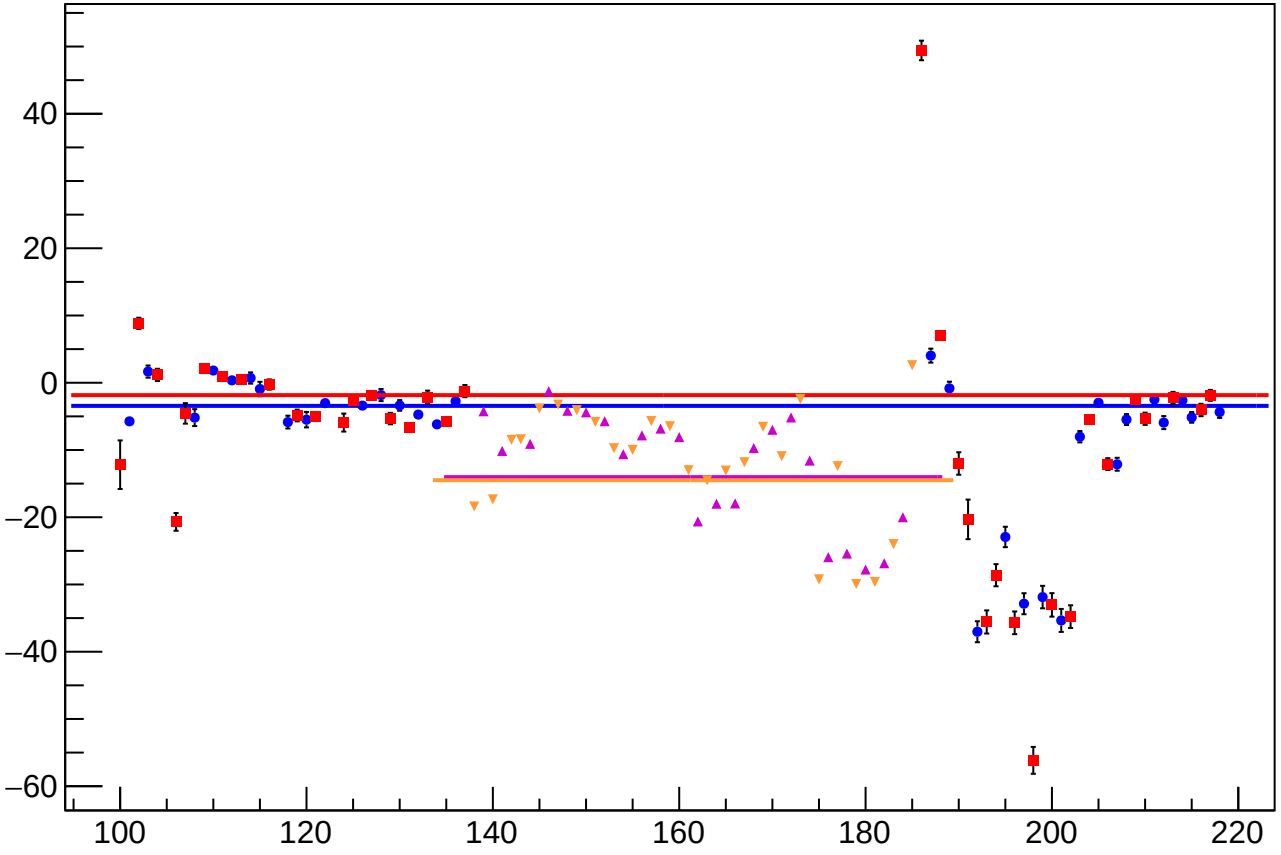
Left In: -0.133+/-0.001 χ^2/NDF:5529.7/22

+ sign -0.174+/-0.001 χ^2/NDF: 21642.5/56

All: -0.170+/-0.001 χ^2/NDF: 48225.7/115

- sign -0.166+/-0.001 χ^2/NDF: 26556.3/58

reg_asym_sam_1357_avg_diff_bpm1X_slope vs Slug



Right In: -3.438+/-0.132 χ^2/NDF: 2221.9/31

Left Out: -14.494+/-0.075 χ^2/NDF:17232.7/24

Right Out: -1.842+/-0.127 χ^2/NDF: 5055.6/35

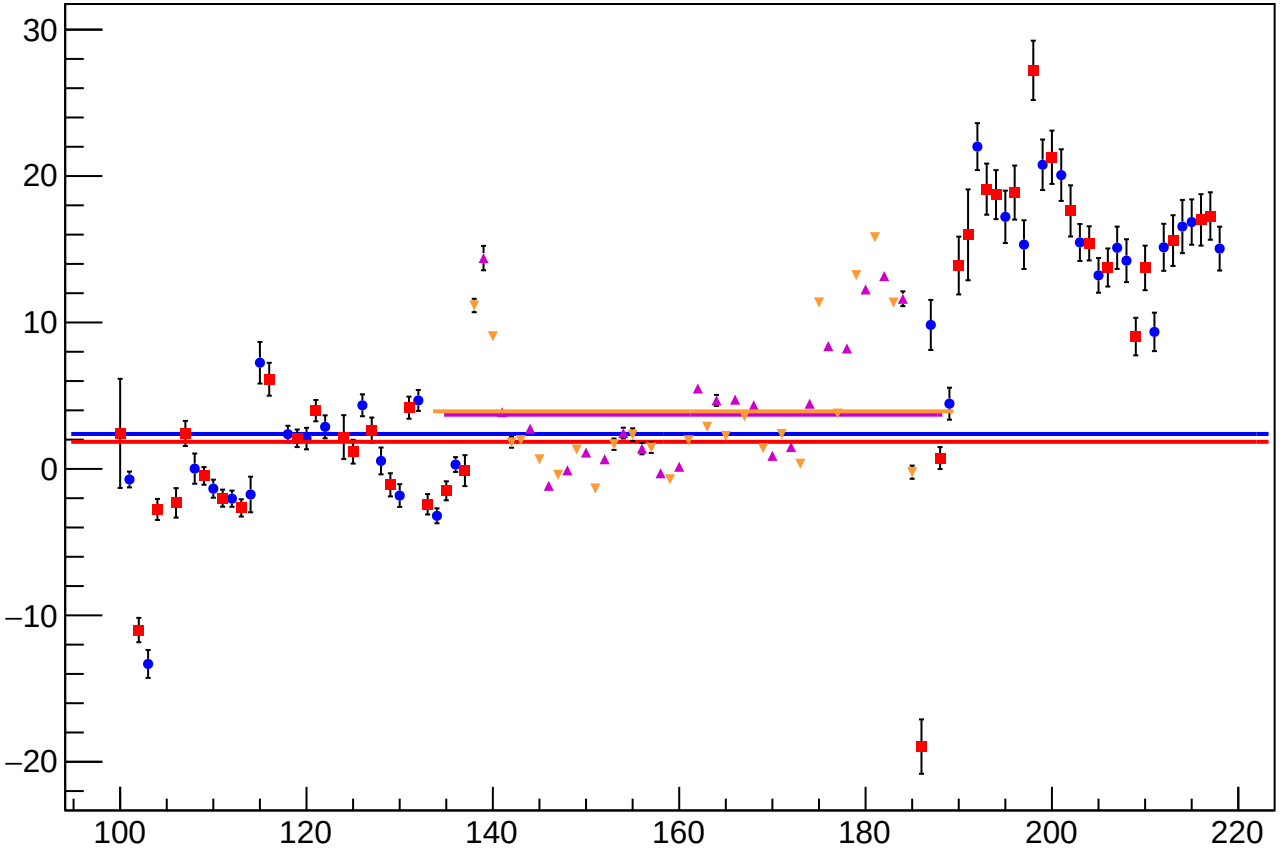
Left In: -14.038+/-0.077 χ^2/NDF:13482.5/22

+ sign -11.794+/-0.065 χ^2/NDF: 24795.8/56

All: -11.280+/-0.046 χ^2/NDF: 50242.6/115

- sign -10.756+/-0.066 χ^2/NDF: 25320.7/58

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs Slug



Right In: 2.387+/-0.157 χ^2/NDF: 1782.2/31

Left Out: 3.932+/-0.058 χ^2/NDF:6979.2/24

Right Out: 1.851+/-0.159 χ^2/NDF: 1892.1/35

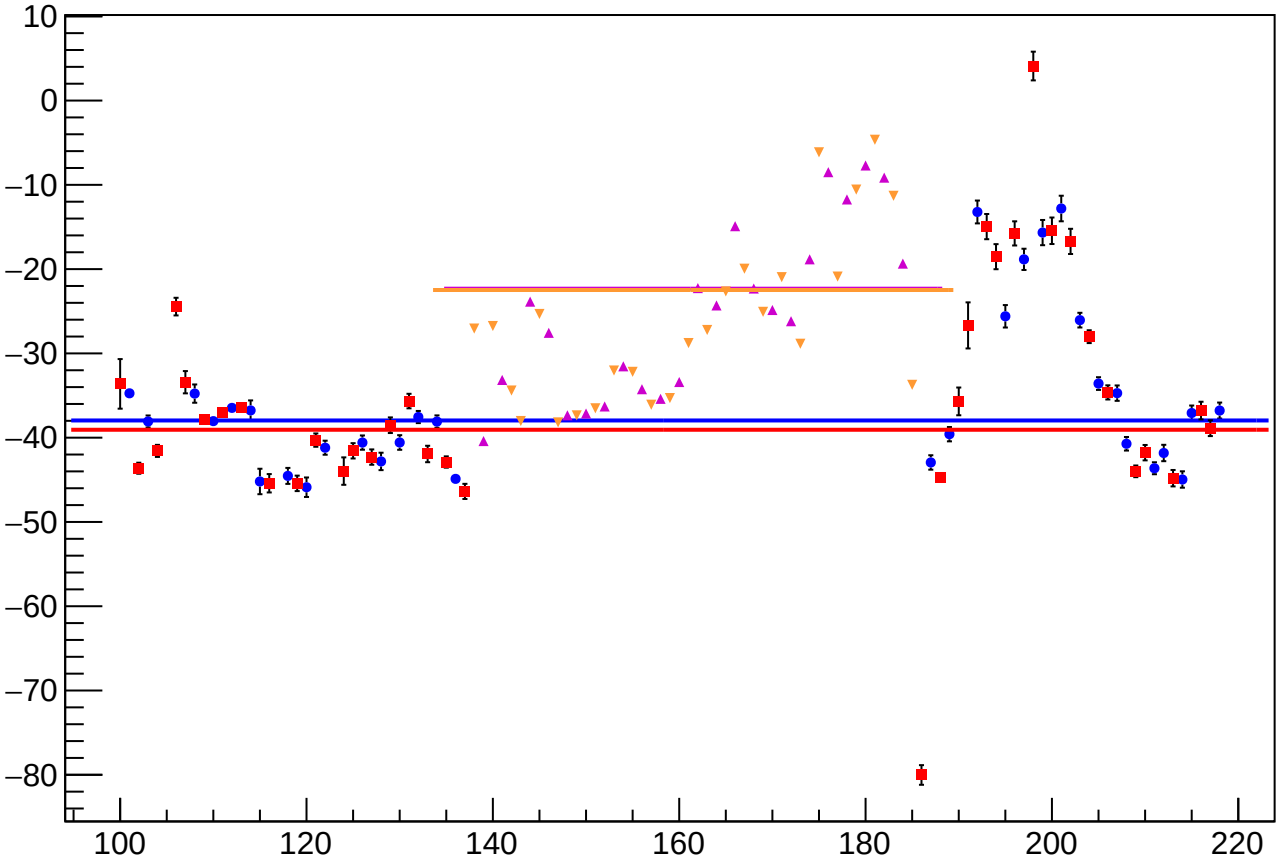
Left In: 3.703+/-0.059 χ^2/NDF:4788.5/22

+ sign 3.746+/-0.054 χ^2/NDF: 8846.9/56

All: 3.615+/-0.039 χ^2/NDF: 15658.6/115

- sign 3.477+/-0.056 χ^2/NDF: 6799.7/58

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs Slug



Right In: -37.957+/-0.144 χ^2/NDF: 2043.4/31

Left Out: -22.478+/-0.075 χ^2/NDF:20417.4/24

Right Out: -39.061+/-0.142 χ^2/NDF: 4139.8/35

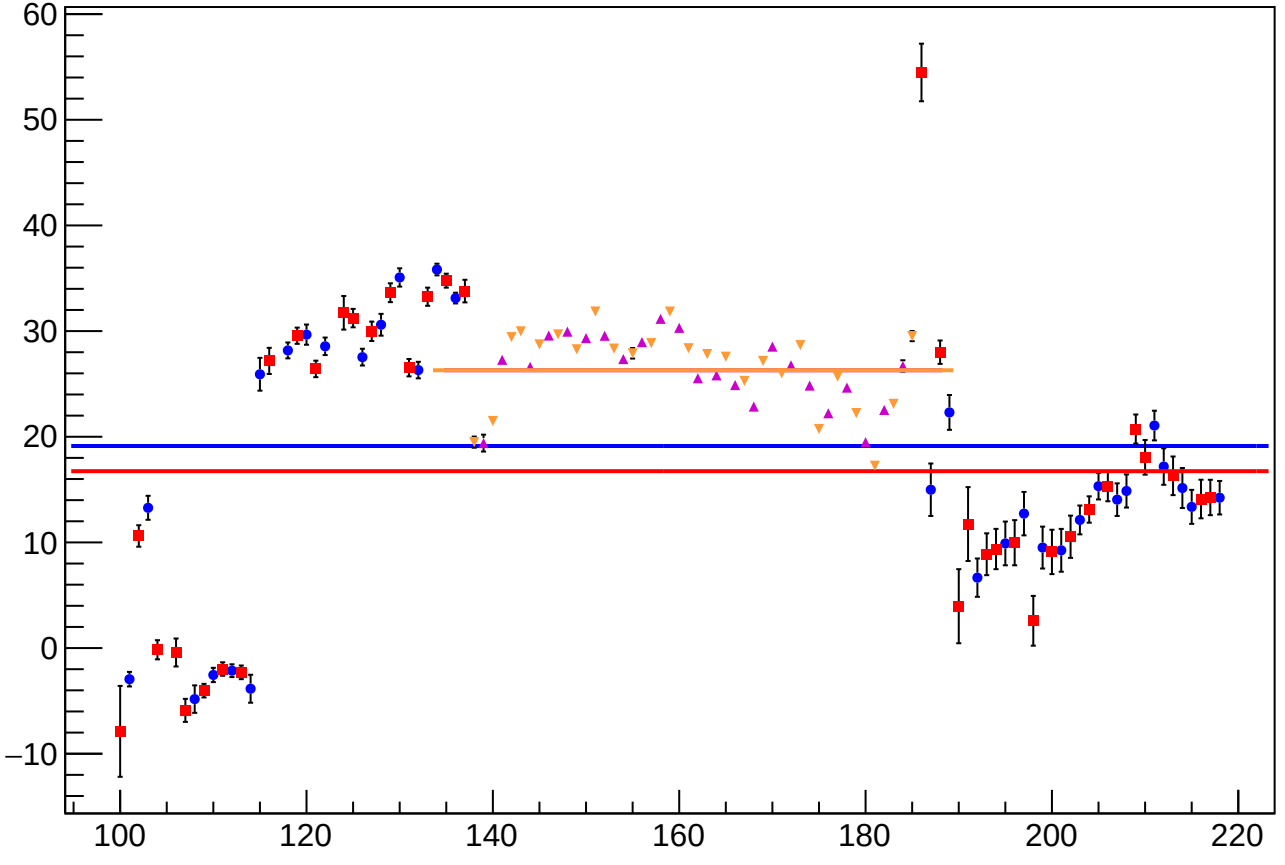
Left In: -22.322+/-0.077 χ^2/NDF:17133.3/22

+ sign -25.778+/-0.066 χ^2/NDF: 31596.7/56

All: -25.925+/-0.047 χ^2/NDF: 63596.8/115

- sign -26.076+/-0.067 χ^2/NDF: 31990.2/58

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs Slug



Right In: 19.125+/-0.177 χ^2/NDF: 6925.8/31

Left Out: 26.296+/-0.065 χ^2/NDF:3307.8/24

Right Out: 16.742+/-0.181 χ^2/NDF: 7172.3/35

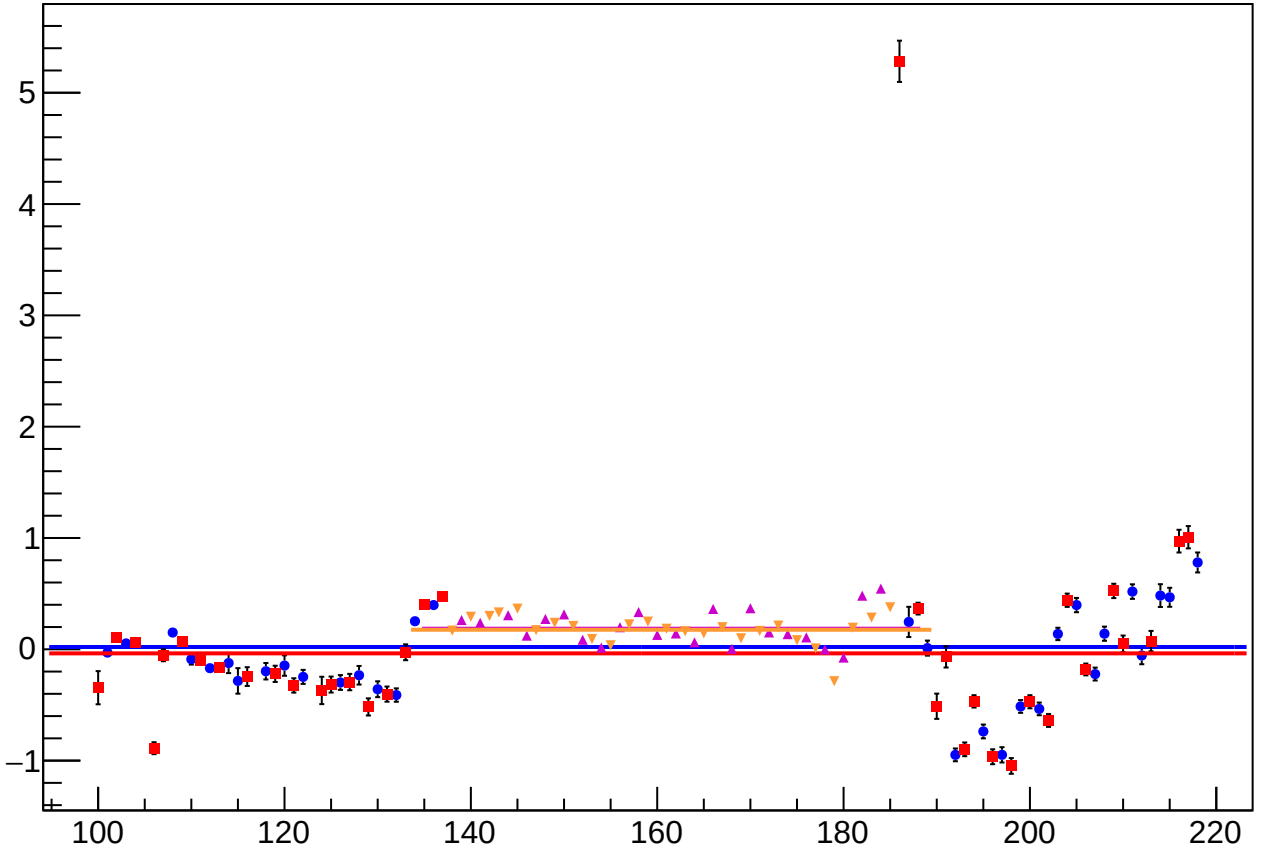
Left In: 26.292+/-0.067 χ^2/NDF:2185.8/22

+ sign 25.438+/-0.061 χ^2/NDF: 11686.0/56

All: 25.297+/-0.044 χ^2/NDF: 23512.8/115

- sign 25.149+/-0.063 χ^2/NDF: 11815.9/58

reg_asym_sam_1357_avg_diff_bpm12X_slope vs Slug



Right In: 0.021+/-0.009 χ^2/NDF: 1663.2/31

Left Out: 0.176+/-0.003 χ^2/NDF:1935.6/24

Right Out: -0.037+/-0.009 χ^2/NDF: 2926.0/35

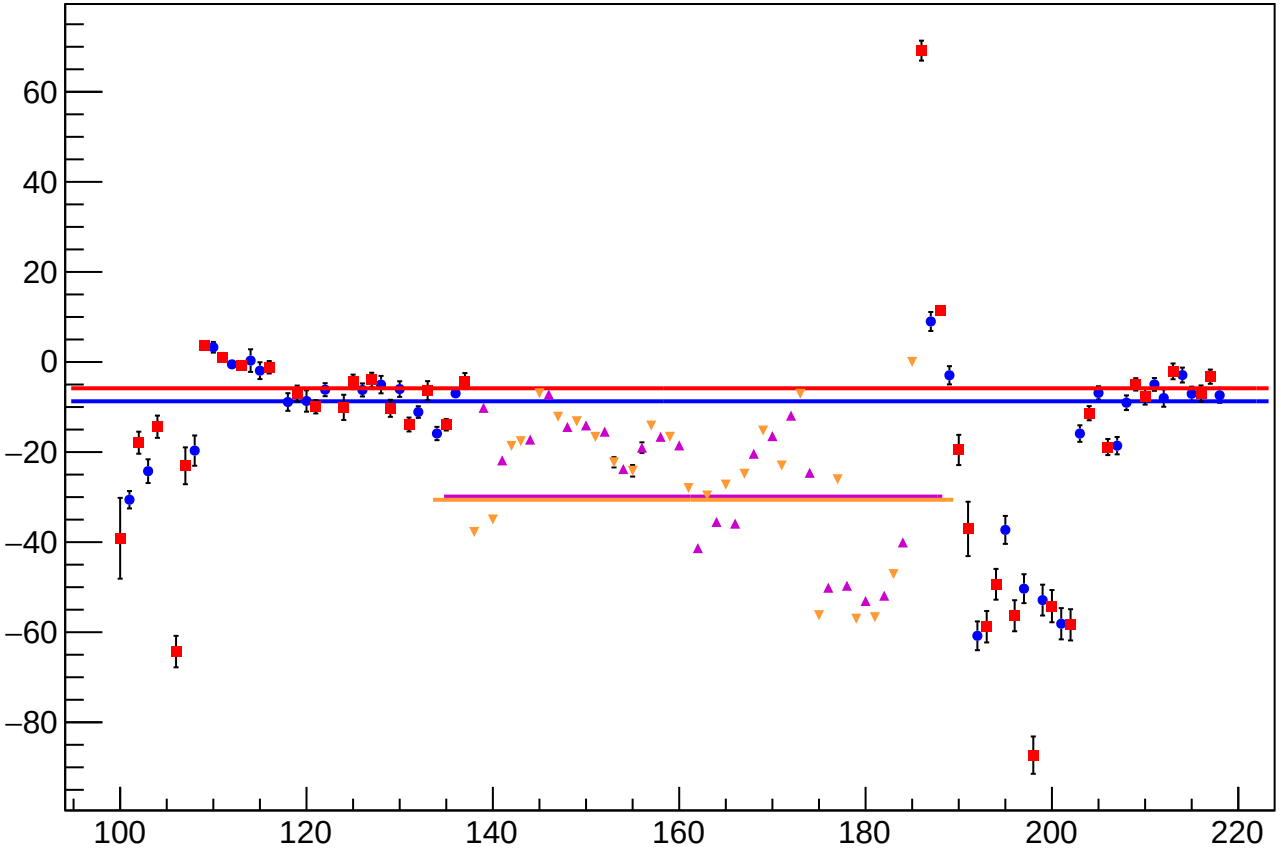
Left In: 0.185+/-0.003 χ^2/NDF:2538.5/22

+ sign 0.160+/-0.003 χ^2/NDF: 3875.0/56

All: 0.162+/-0.002 χ^2/NDF: 9864.4/115

- sign 0.164+/-0.003 χ^2/NDF: 5988.6/58

reg_asym_sam_2468_avg_diff_bpm1X_slope vs Slug



Right In: -8.722+/-0.297 χ^2/NDF: 1444.8/31

Left Out: -30.587+/-0.142 χ^2/NDF:16046.0/24

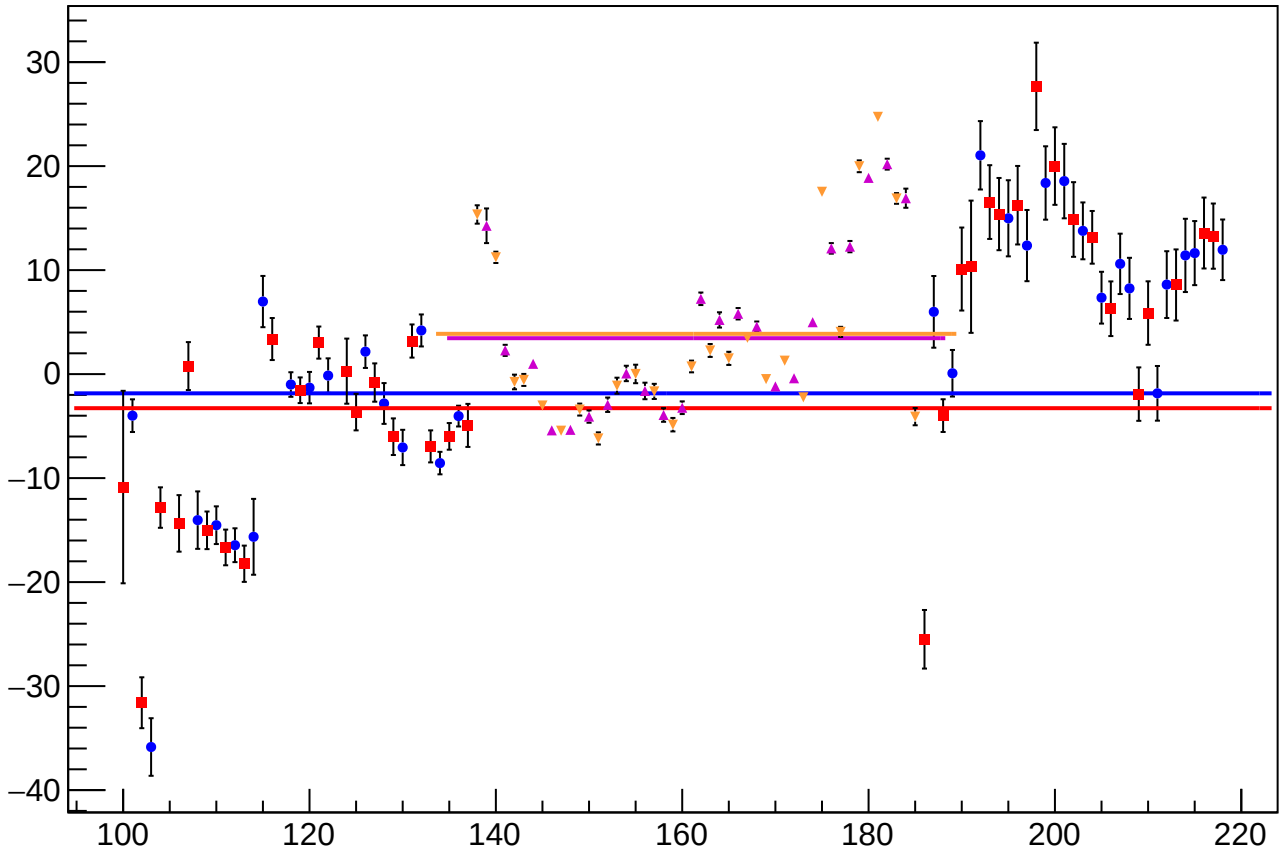
Right Out: -5.836+/-0.295 χ^2/NDF: 3515.3/35

Left In: -29.878+/-0.146 χ^2/NDF:12034.7/22

\+ sign -26.520+/-0.128 χ^2/NDF: 21893.3/56

All: -25.836+/-0.092 χ^2/NDF: 42847.6/115

\- sign -25.124+/-0.131 χ^2/NDF: 20896.2/58



Right In: -1.849+/-0.350 χ^2/NDF: 706.4/31

Left Out: 3.873+/-0.111 χ^2/NDF:6542.0/24

Right Out: -3.277+/-0.361 χ^2/NDF: 830.2/35

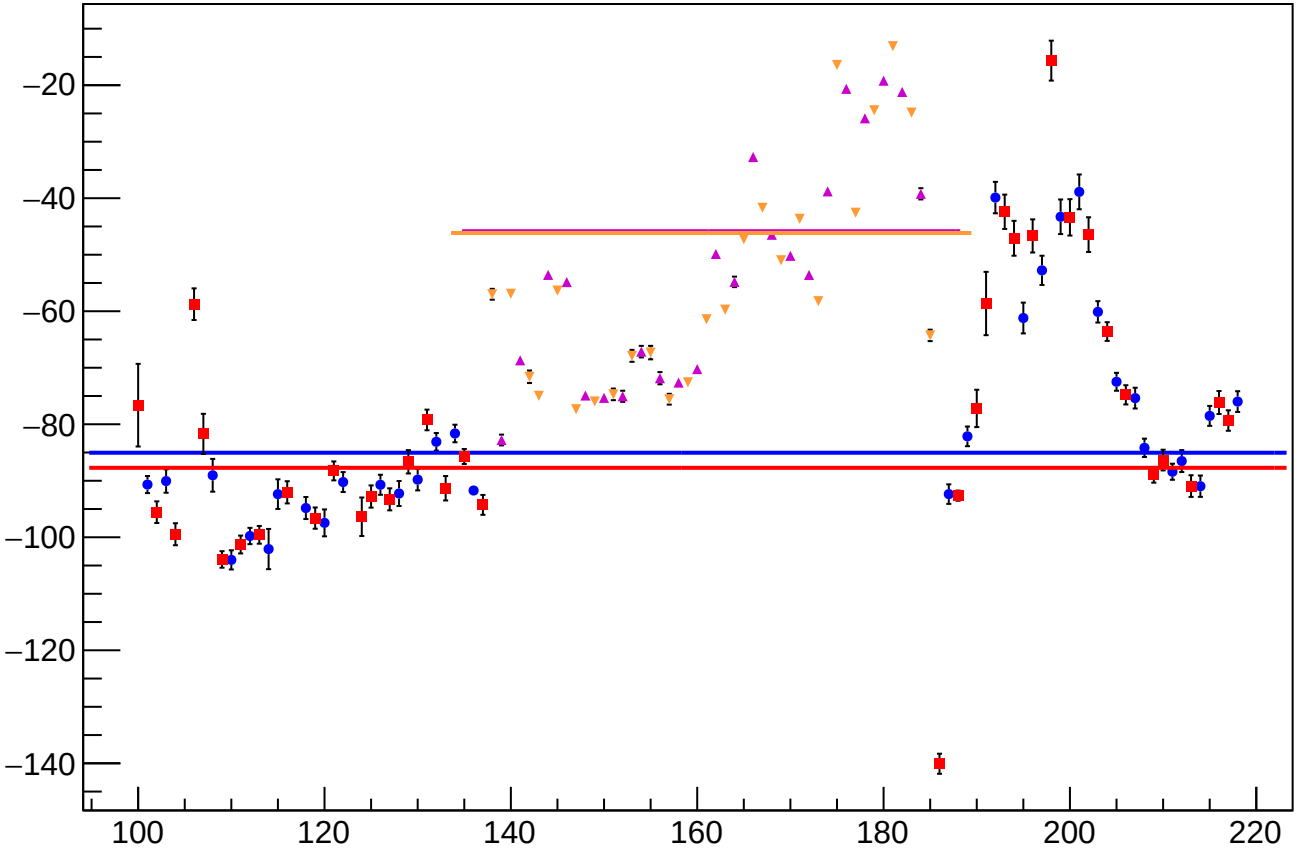
Left In: 3.453+/-0.114 χ^2/NDF:4693.7/22

+ sign 3.348+/-0.106 χ^2/NDF: 7491.3/56

All: 3.104+/-0.076 χ^2/NDF: 13341.5/115

- sign 2.847+/-0.108 χ^2/NDF: 5839.3/58

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs Slug



Right In: -85.039+/-0.318 χ^2/NDF: 1681.4/31

Left Out: -46.153+/-0.142 χ^2/NDF:21455.9/24

Right Out: -87.707+/-0.319 χ^2/NDF: 3149.5/35

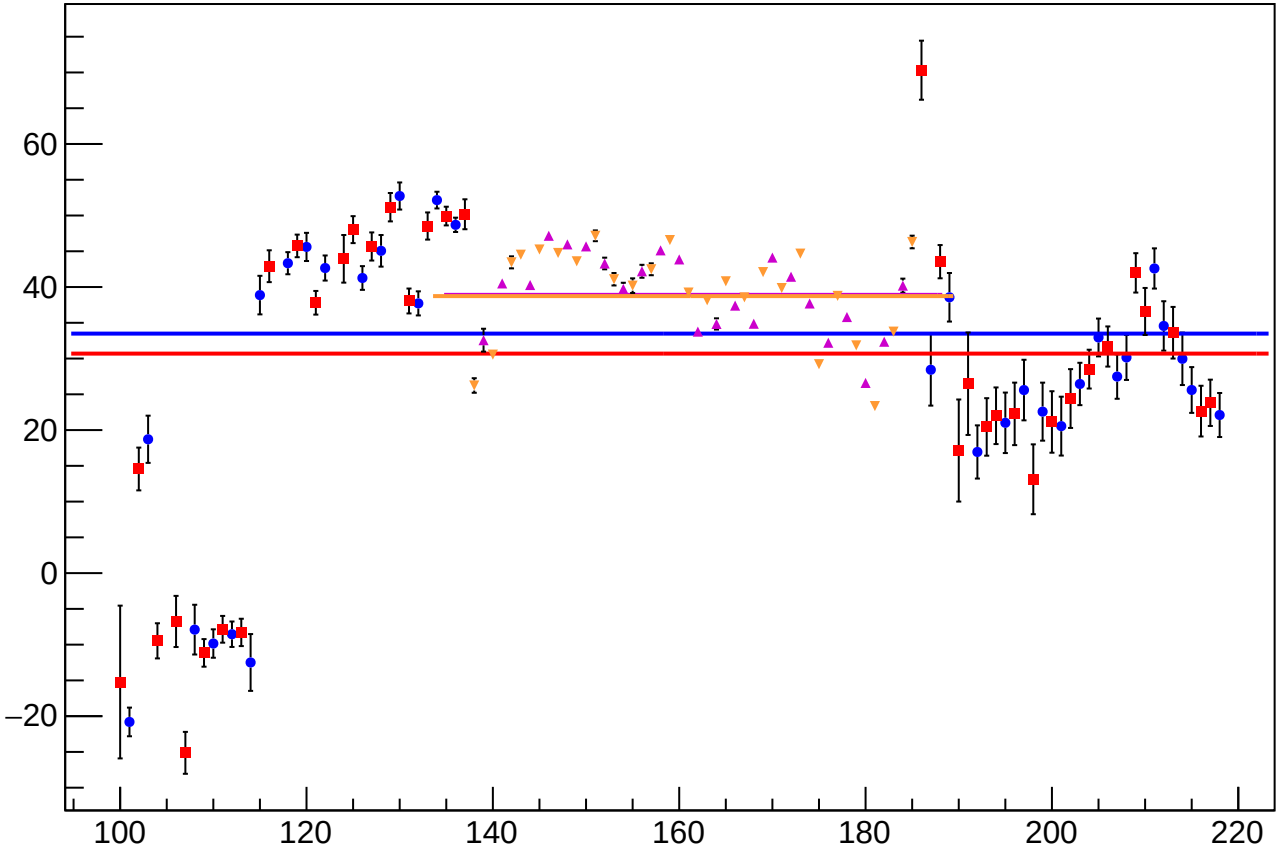
Left In: -45.833+/-0.146 χ^2/NDF:17924.6/22

+ sign -52.636+/-0.130 χ^2/NDF: 35568.1/56

All: -52.854+/-0.093 χ^2/NDF: 70884.9/115

- sign -53.082+/-0.133 χ^2/NDF: 35311.0/58

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs Slug



Right In: 33.488+/-0.392 χ^2/NDF: 2911.1/31

Left Out: 38.730+/-0.125 χ^2/NDF:2781.7/24

Right Out: 30.692+/-0.410 χ^2/NDF: 3105.0/35

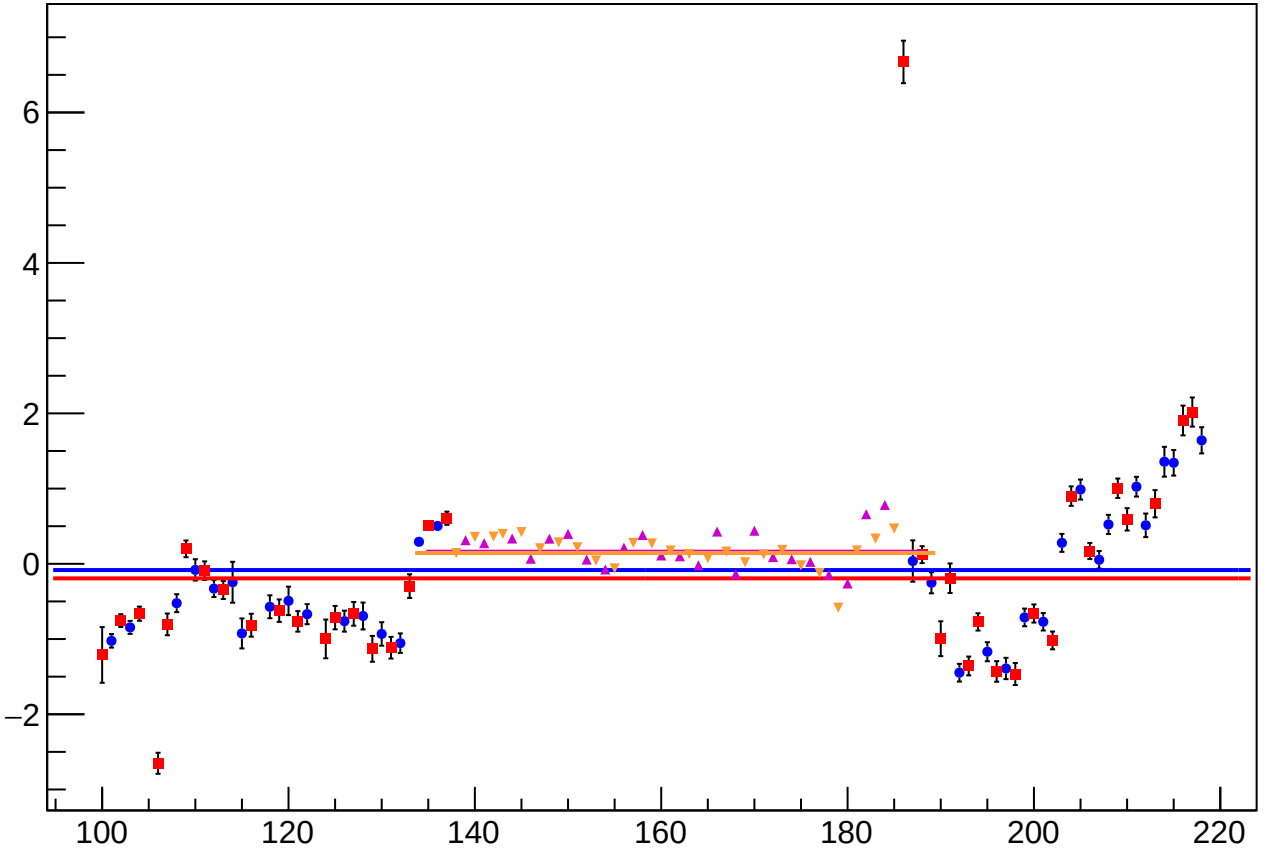
Left In: 38.905+/-0.127 χ^2/NDF:1971.6/22

+ sign 38.250+/-0.119 χ^2/NDF: 5855.2/56

All: 38.217+/-0.085 χ^2/NDF: 11297.2/115

- sign 38.182+/-0.122 χ^2/NDF: 5441.9/58

reg_asym_sam_2468_avg_diff_bpm12X_slope vs Slug



Right In: -0.083+/-0.020 χ^2/NDF: 1395.5/31

Left Out: 0.144+/-0.006 χ^2/NDF:1442.8/24

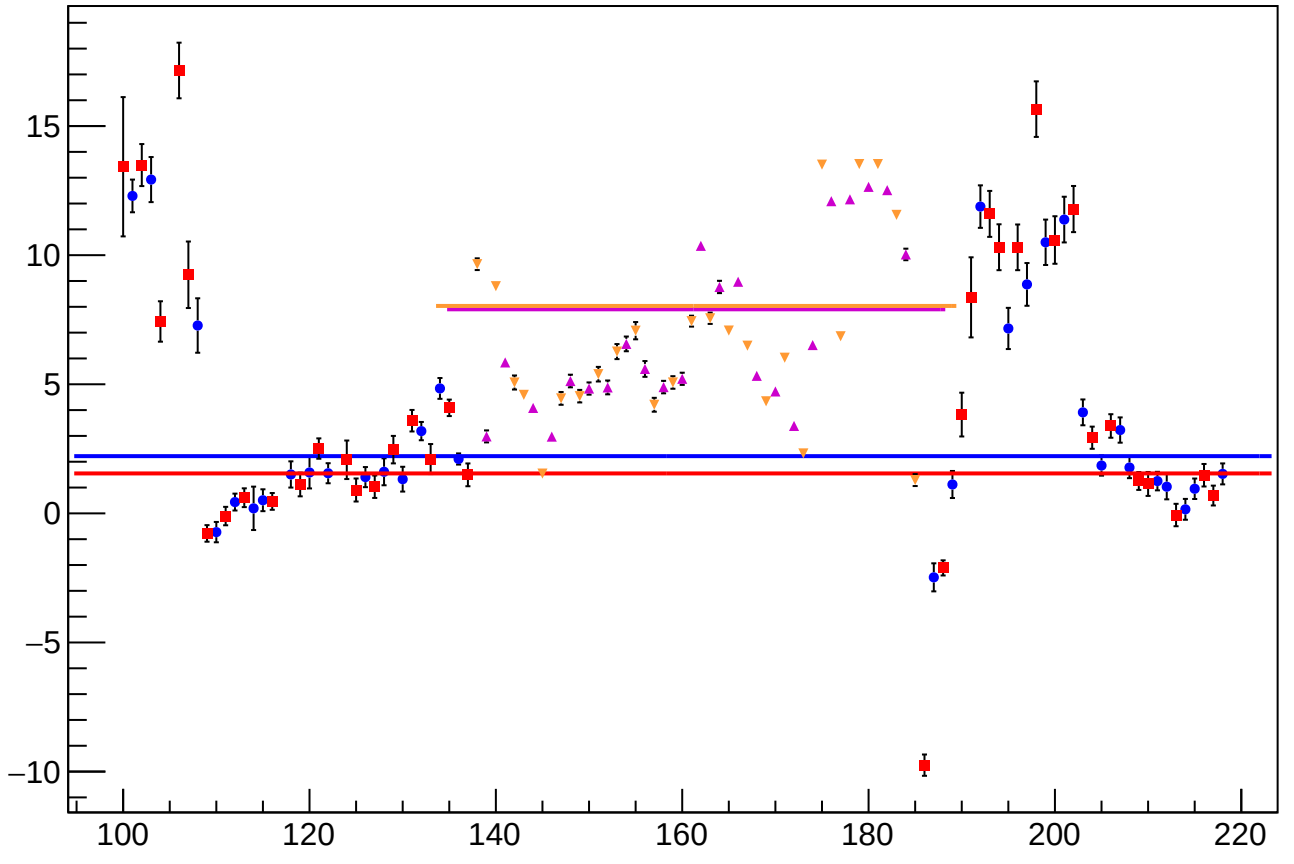
Right Out: -0.193+/-0.021 χ^2/NDF: 2243.6/35

Left In: 0.161+/-0.006 χ^2/NDF:1918.8/22

+ sign 0.127+/-0.005 χ^2/NDF: 2961.2/56

All: 0.132+/-0.004 χ^2/NDF: 7393.6/115

- sign 0.137+/-0.005 χ^2/NDF: 4430.7/58



Right In: 2.217+/-0.080 χ^2/NDF: 1185.3/31

Left Out: 8.034+/-0.035 χ^2/NDF:13924.1/24

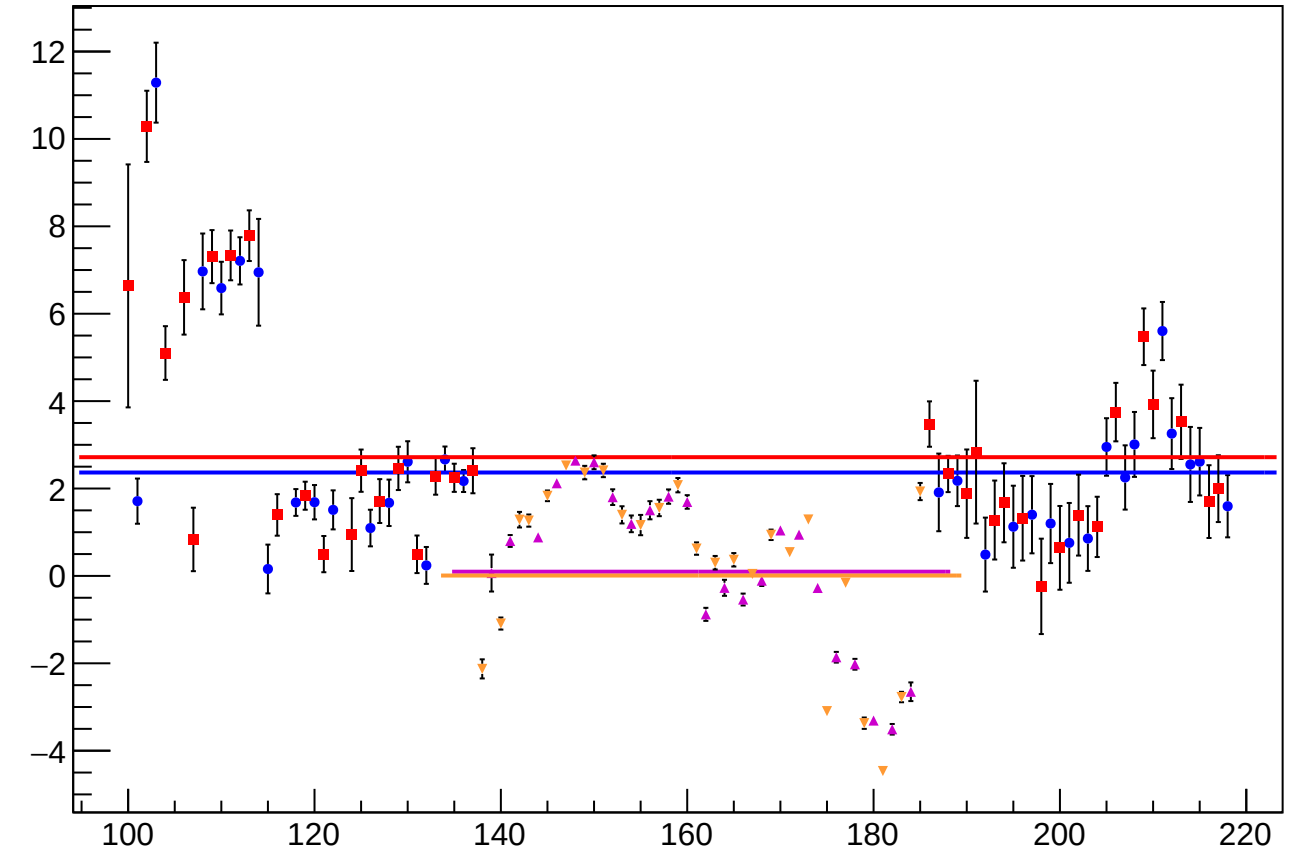
Right Out: 1.547+/-0.080 χ^2/NDF: 2432.1/35

Left In: 7.903+/-0.036 χ^2/NDF:10017.8/22

+ sign 7.113+/-0.032 χ^2/NDF: 19551.4/56

All: 6.979+/-0.023 χ^2/NDF: 37314.2/115

- sign 6.839+/-0.033 χ^2/NDF: 17726.6/58



Right In: 2.366+/-0.094 χ^2/NDF: 378.9/31

Left Out: 0.009+/-0.027 χ^2/NDF:5761.2/24

Right Out: 2.717+/-0.098 χ^2/NDF: 466.5/35

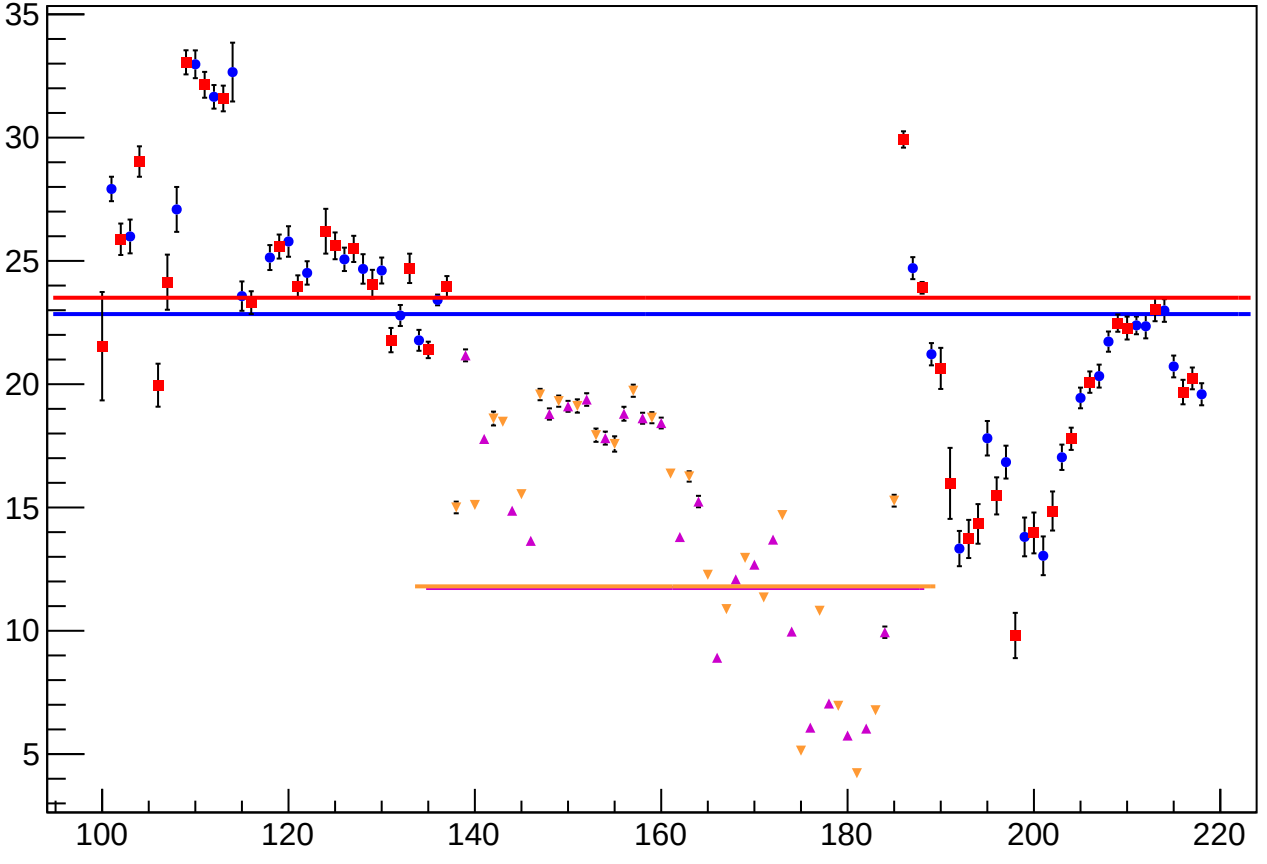
Left In: 0.096+/-0.028 χ^2/NDF:4433.3/22

+ sign 0.193+/-0.026 χ^2/NDF: 6715.3/56

All: 0.244+/-0.019 χ^2/NDF: 12287.7/115

- sign 0.297+/-0.027 χ^2/NDF: 5564.9/58

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs Slug



Right In: 22.843+/-0.085 χ^2/NDF: 1926.8/31

Left Out: 11.802+/-0.035 χ^2/NDF:21479.5/24

Right Out: 23.506+/-0.085 χ^2/NDF: 2771.1/35

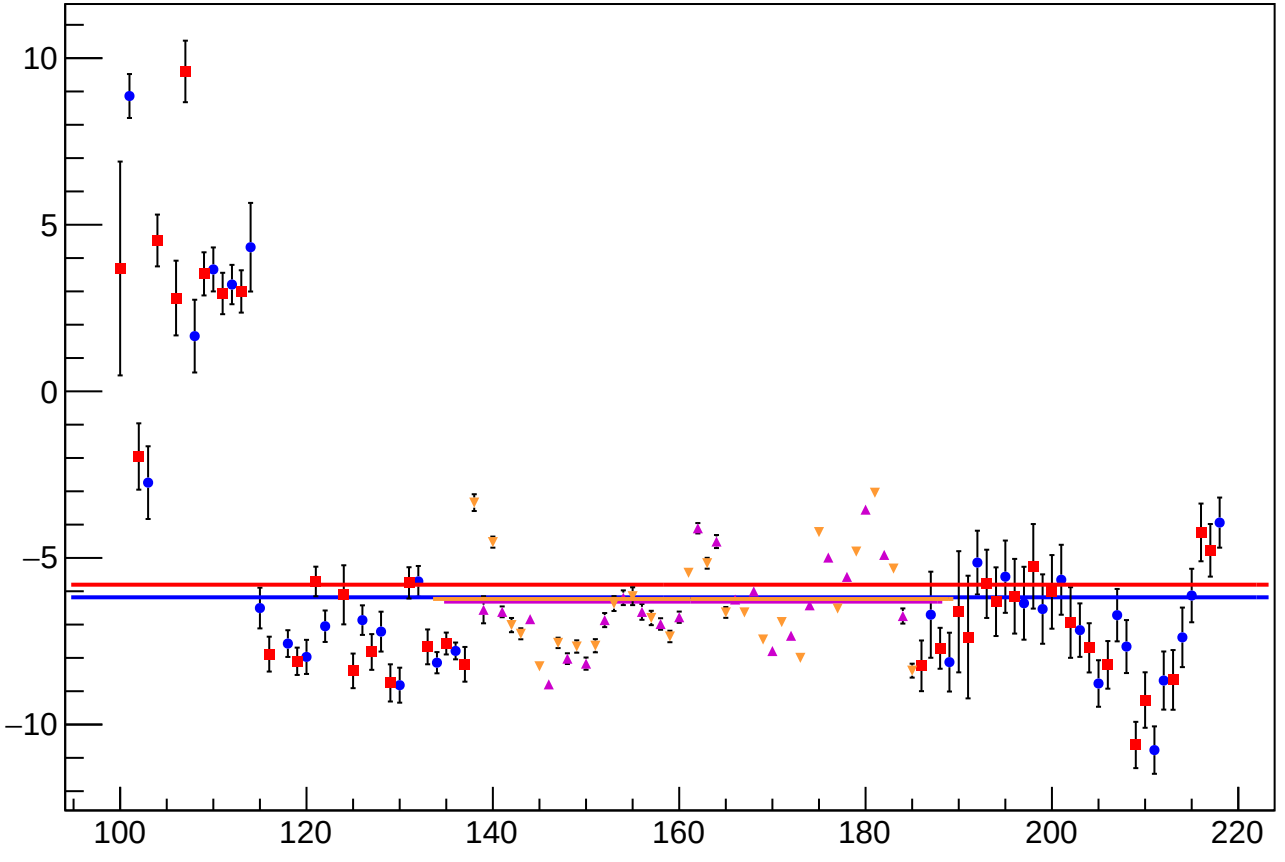
Left In: 11.735+/-0.036 χ^2/NDF:17999.5/22

+ sign 13.392+/-0.032 χ^2/NDF: 37868.1/56

All: 13.457+/-0.023 χ^2/NDF: 75069.4/115

- sign 13.524+/-0.033 χ^2/NDF: 37193.2/58

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs Slug



Right In: -6.182+/-0.106 χ^2/NDF: 1344.3/31

Left Out: -6.231+/-0.031 χ^2/NDF:2450.1/24

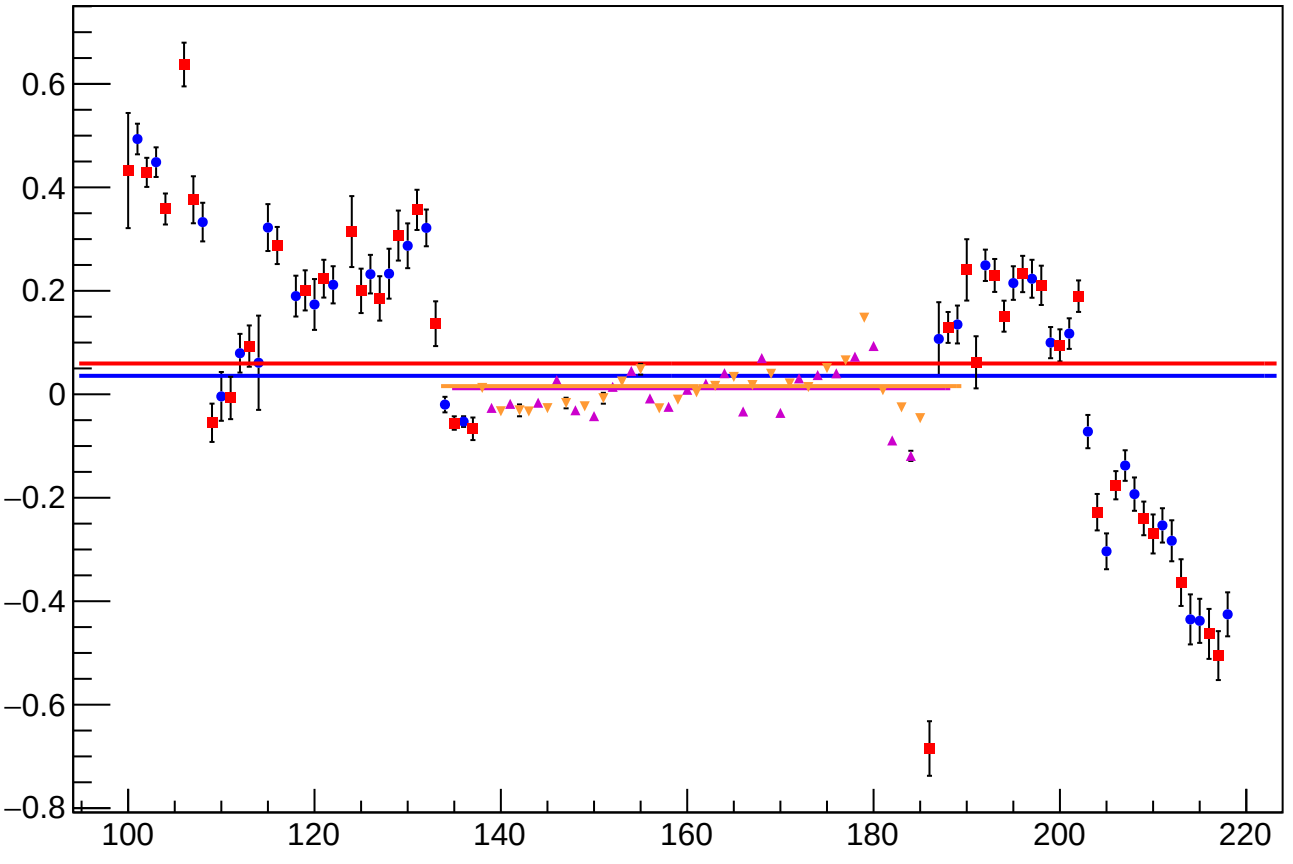
Right Out: -5.803+/-0.111 χ^2/NDF: 1432.8/35

Left In: -6.311+/-0.031 χ^2/NDF:2030.2/22

+ sign -6.227+/-0.029 χ^2/NDF: 3794.5/56

All: -6.249+/-0.021 χ^2/NDF: 7278.2/115

- sign -6.274+/-0.030 χ^2/NDF: 3482.4/58



Right In: 0.036+/-0.005 χ^2/NDF: 1625.5/31

Left Out: 0.016+/-0.001 χ^2/NDF:933.4/24

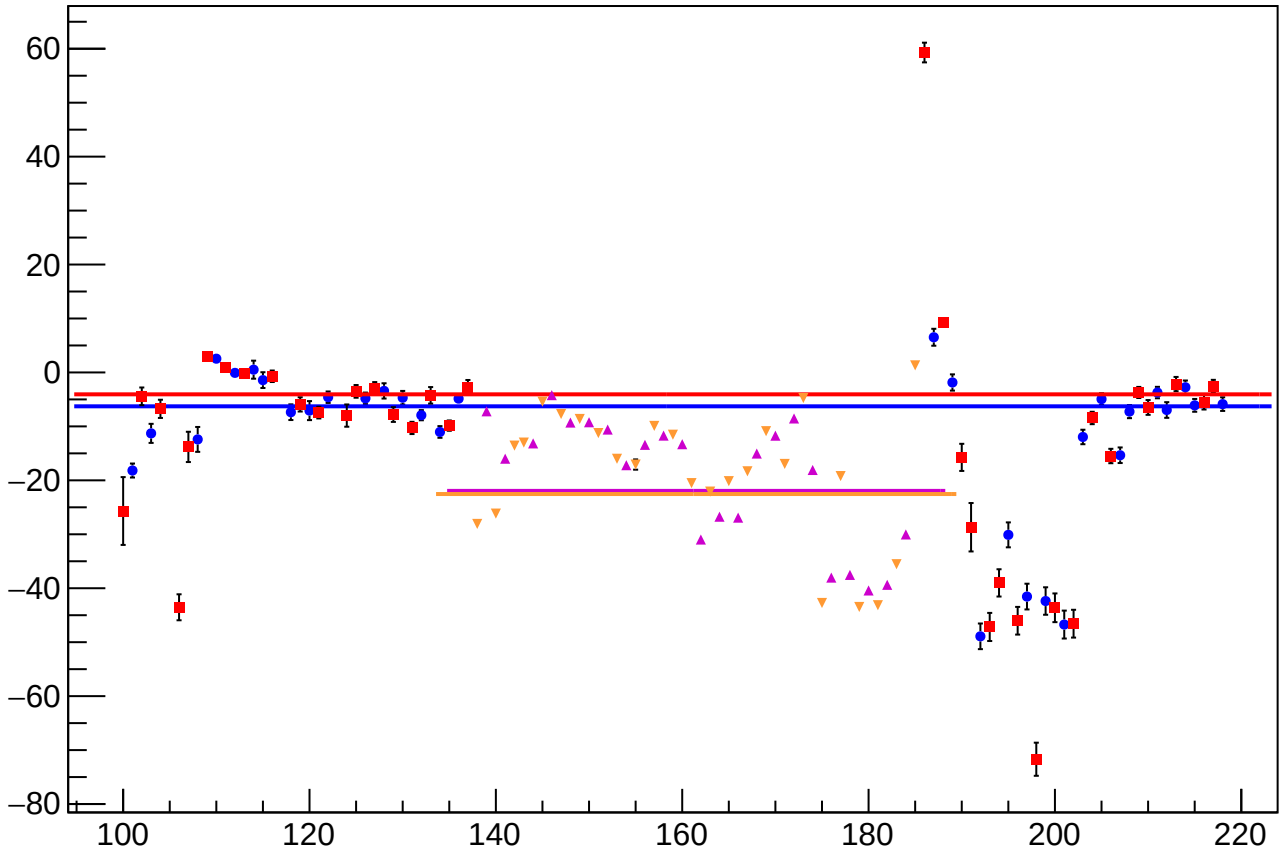
Right Out: 0.060+/-0.006 χ^2/NDF: 1799.8/35

Left In: 0.012+/-0.001 χ^2/NDF:1297.5/22

+ sign 0.017+/-0.001 χ^2/NDF: 2572.2/56

All: 0.016+/-0.001 χ^2/NDF: 5739.6/115

- sign 0.015+/-0.001 χ^2/NDF: 3165.5/58



Right In: -6.280+/-0.216 χ^2/NDF: 1617.8/31

Left Out: -22.538+/-0.108 χ^2/NDF:16540.6/24

Right Out: -4.058+/-0.212 χ^2/NDF: 3915.4/35

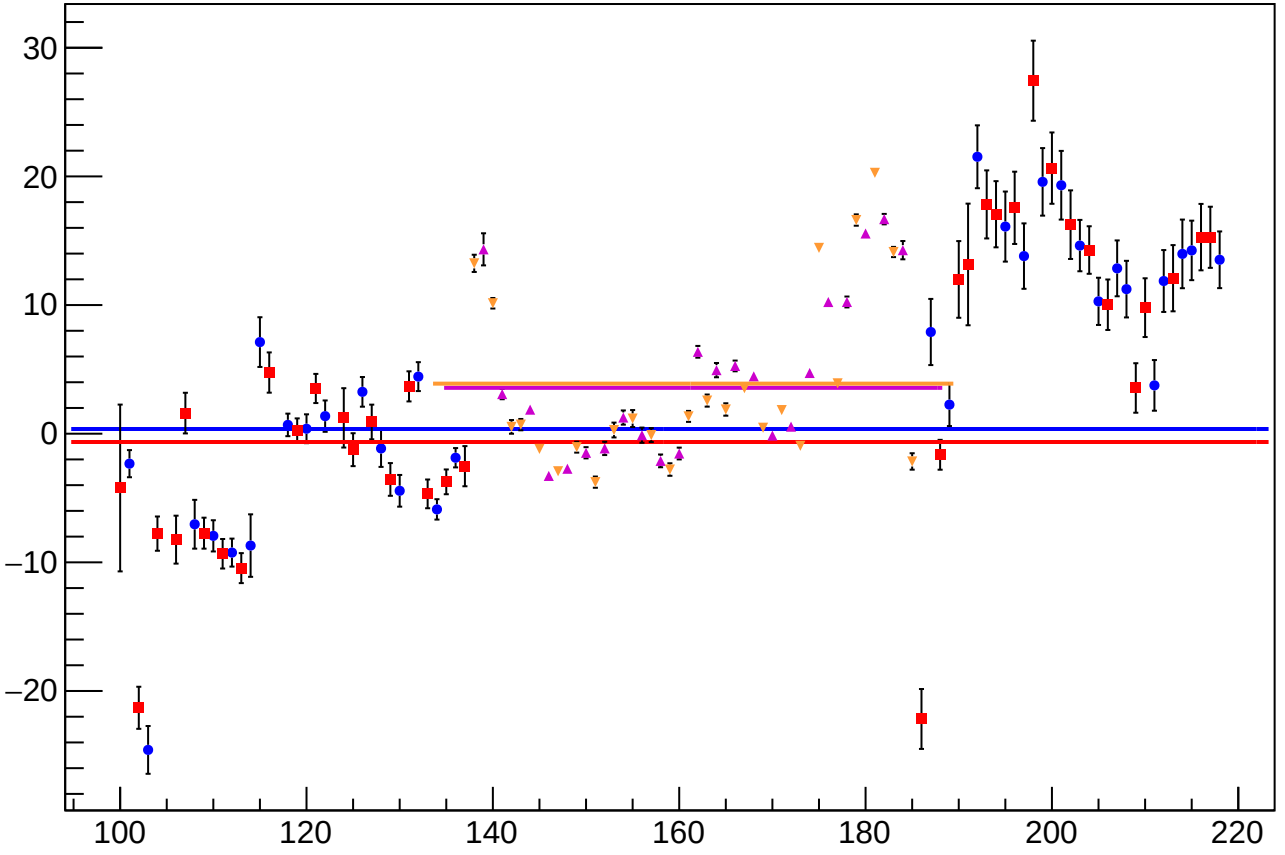
Left In: -21.957+/-0.111 χ^2/NDF:12585.3/22

+ sign -19.278+/-0.097 χ^2/NDF: 22693.3/56

All: -18.705+/-0.069 χ^2/NDF: 44838.7/115

- sign -18.109+/-0.098 χ^2/NDF: 22073.7/58

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs Slug



Right In: 0.365+/-0.255 χ^2/NDF: 972.0/31

Left Out: 3.891+/-0.084 χ^2/NDF:6724.1/24

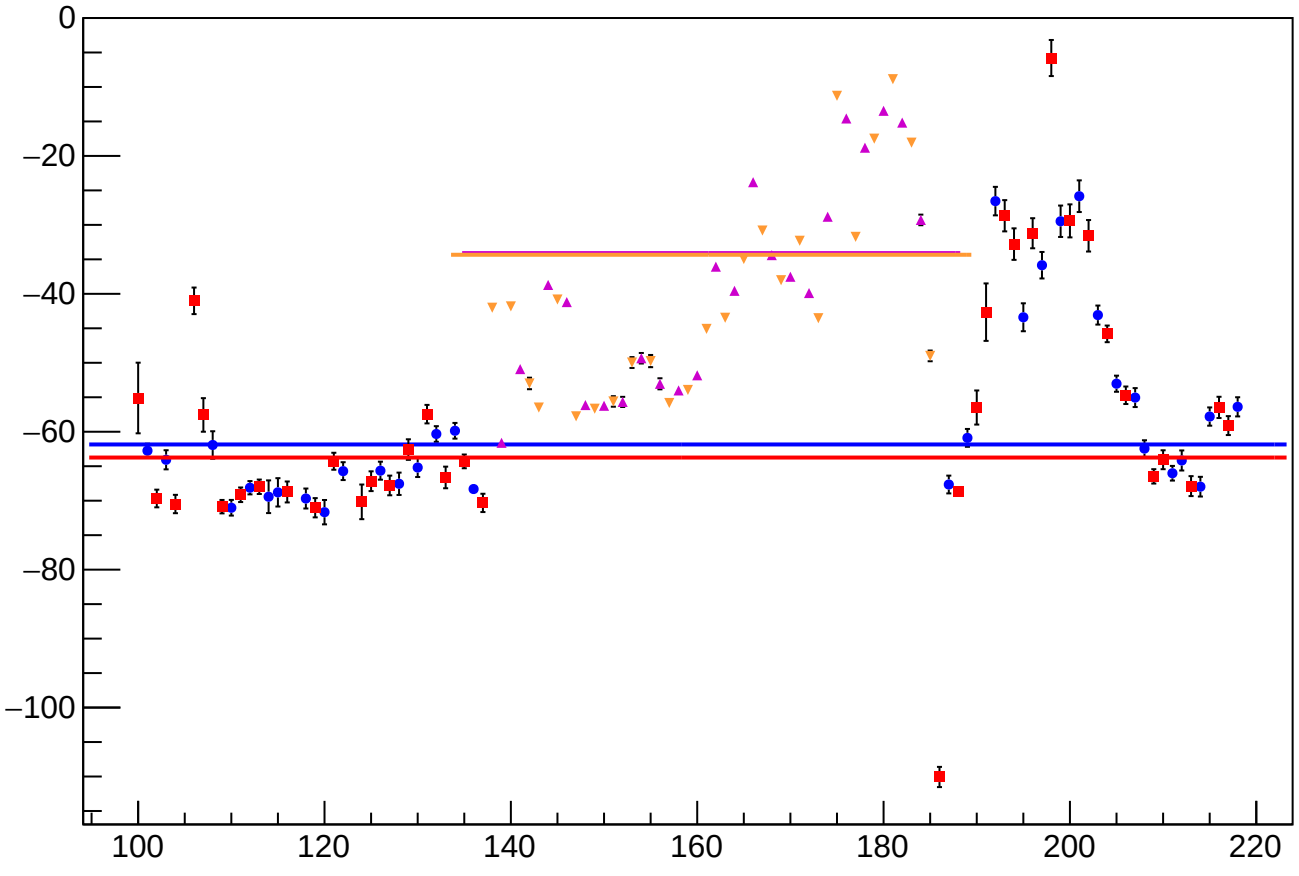
Right Out: -0.645+/-0.262 χ^2/NDF: 1101.4/35

Left In: 3.565+/-0.086 χ^2/NDF:4739.4/22

+ sign 3.543+/-0.080 χ^2/NDF: 7869.0/56

All: 3.353+/-0.057 χ^2/NDF: 13954.5/115

- sign 3.154+/-0.082 χ^2/NDF: 6073.9/58



Right In: -61.845+/-0.232 χ^2/NDF: 1685.0/31

Left Out: -34.334+/-0.108 χ^2/NDF:21200.8/24

Right Out: -63.742+/-0.232 χ^2/NDF: 3349.5/35

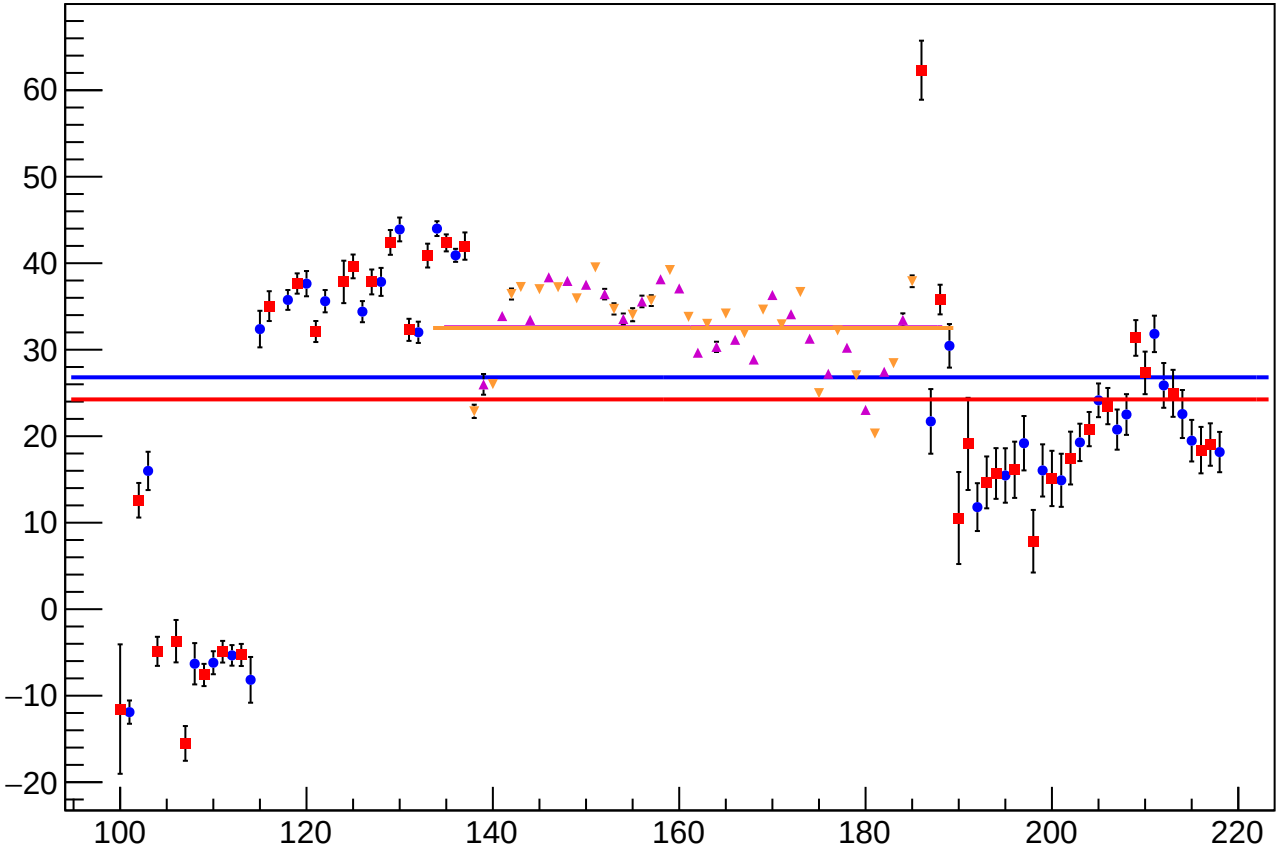
Left In: -34.091+/-0.111 χ^2/NDF:17726.5/22

+ sign -39.243+/-0.098 χ^2/NDF: 34406.7/56

All: -39.414+/-0.070 χ^2/NDF: 68739.6/115

- sign -39.592+/-0.100 χ^2/NDF: 34326.6/58

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs Slug



Right In: 26.808+/-0.286 χ^2/NDF: 3879.7/31

Left Out: 32.511+/-0.095 χ^2/NDF:2938.0/24

Right Out: 24.253+/-0.297 χ^2/NDF: 4103.5/35

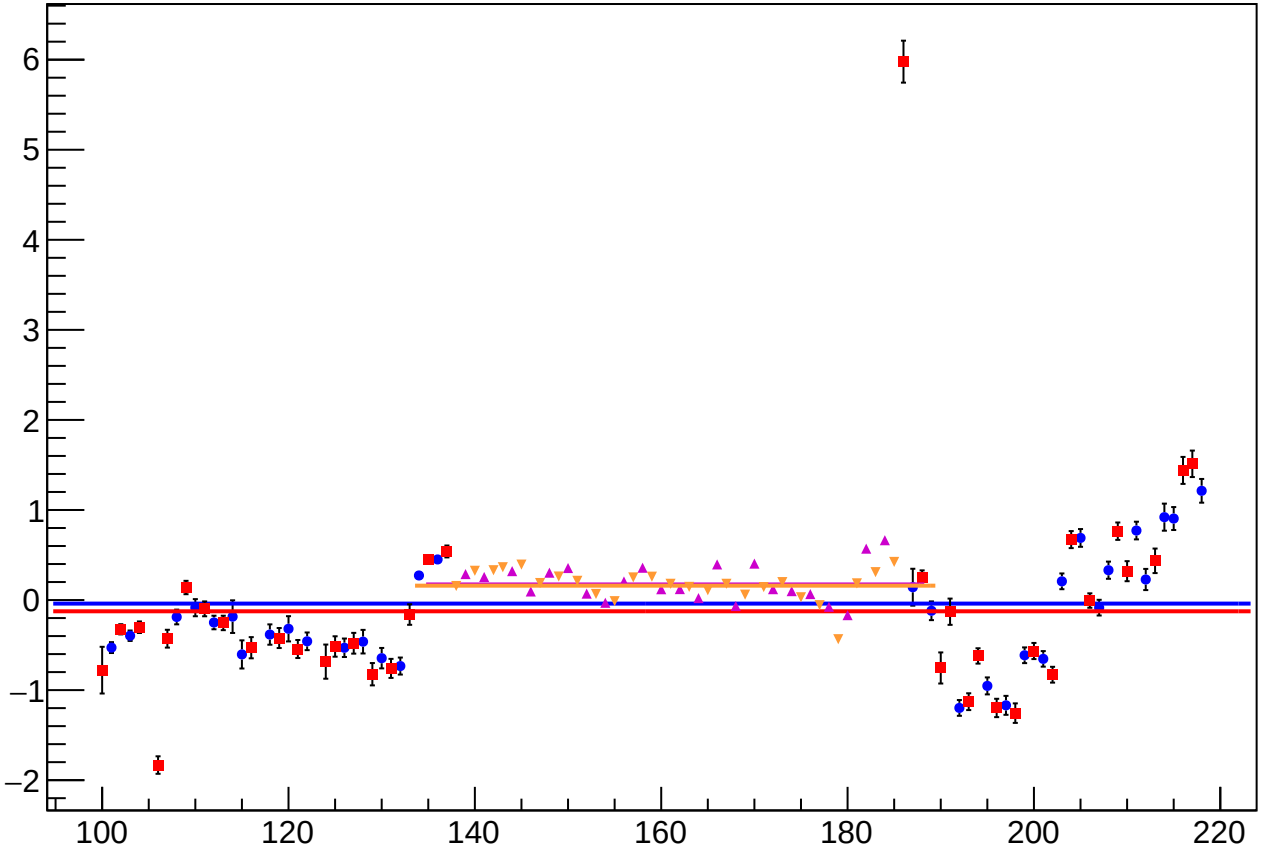
Left In: 32.598+/-0.097 χ^2/NDF:2012.9/22

+ sign 31.948+/-0.090 χ^2/NDF: 7176.8/56

All: 31.876+/-0.064 χ^2/NDF: 14006.4/115

- sign 31.800+/-0.092 χ^2/NDF: 6828.3/58

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs Slug



Right In: -0.039+/-0.014 χ^2/NDF: 1407.3/31

Left Out: 0.160+/-0.004 χ^2/NDF:1613.0/24

Right Out: -0.125+/-0.015 χ^2/NDF: 2420.7/35

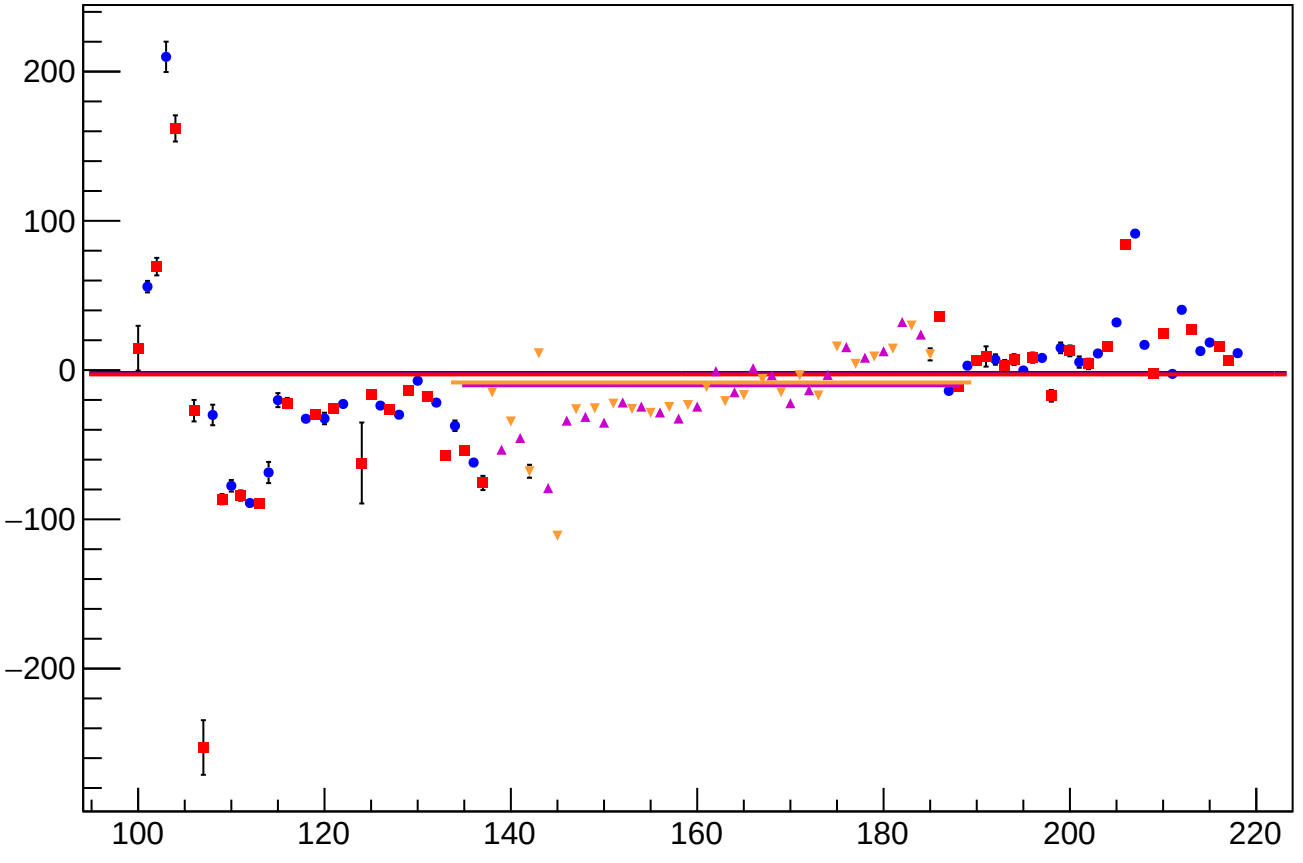
Left In: 0.173+/-0.004 χ^2/NDF:2129.7/22

+ sign 0.144+/-0.004 χ^2/NDF: 3197.5/56

All: 0.147+/-0.003 χ^2/NDF: 8107.1/115

- sign 0.151+/-0.004 χ^2/NDF: 4908.2/58

reg_asym_atl1_diff_bpm1X_slope vs Slug



Right In: -1.930+/-0.502 χ^2/NDF: 5075.3/31

Left Out: -8.298+/-0.514 χ^2/NDF:2559.6/24

Right Out: -2.892+/-0.477 χ^2/NDF: 5942.1/35

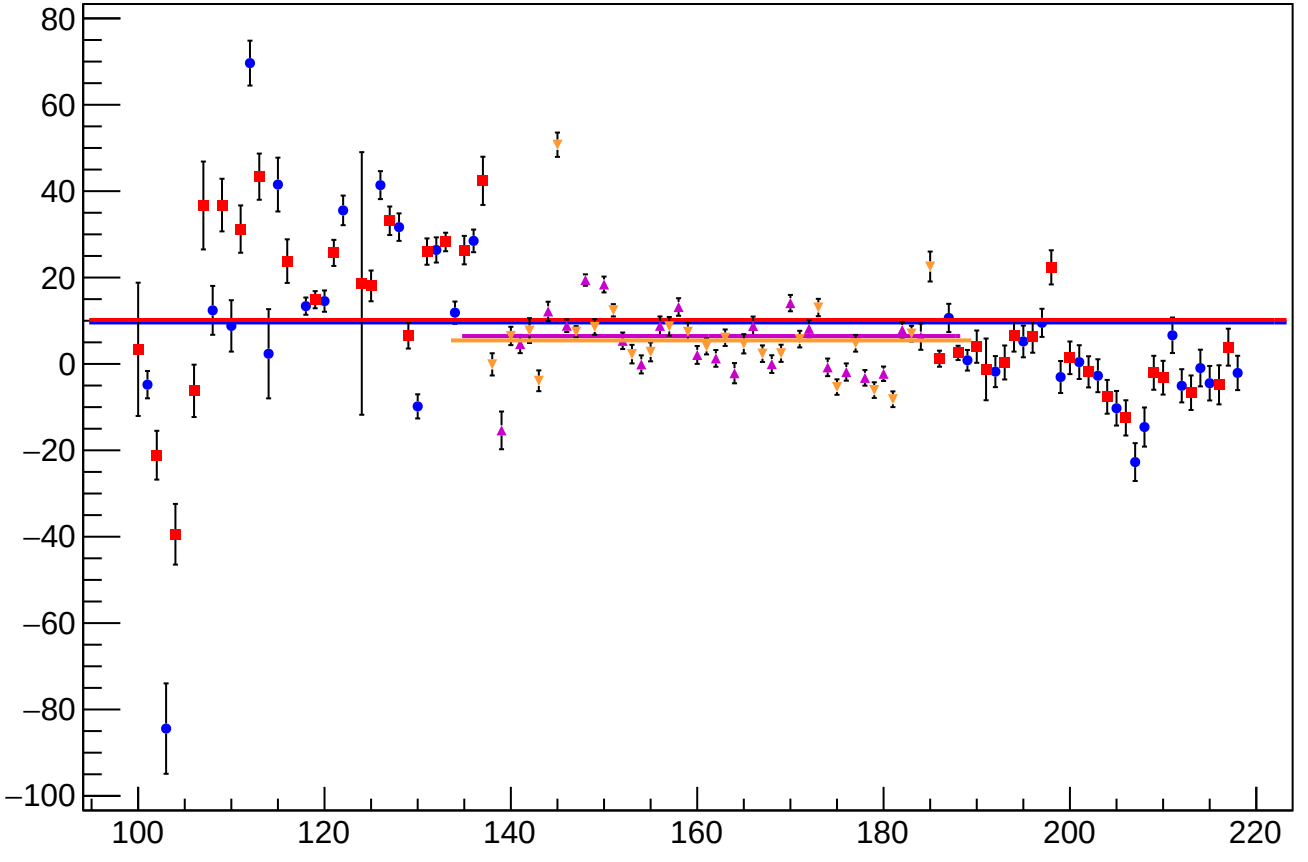
Left In: -10.183+/-0.526 χ^2/NDF:2518.4/22

\+ sign -5.038+/-0.359 χ^2/NDF: 7713.6/56

All: -5.617+/-0.252 χ^2/NDF: 16284.6/115

\- sign -6.179+/-0.353 χ^2/NDF: 8566.0/58

reg_asym_atl1_diff_bpm4aY_slope vs Slug



Right In: 9.605+/-0.612 χ^2/NDF: 808.0/31

Left Out: 5.445+/-0.394 χ^2/NDF:493.7/24

Right Out: 10.178+/-0.586 χ^2/NDF: 604.6/35

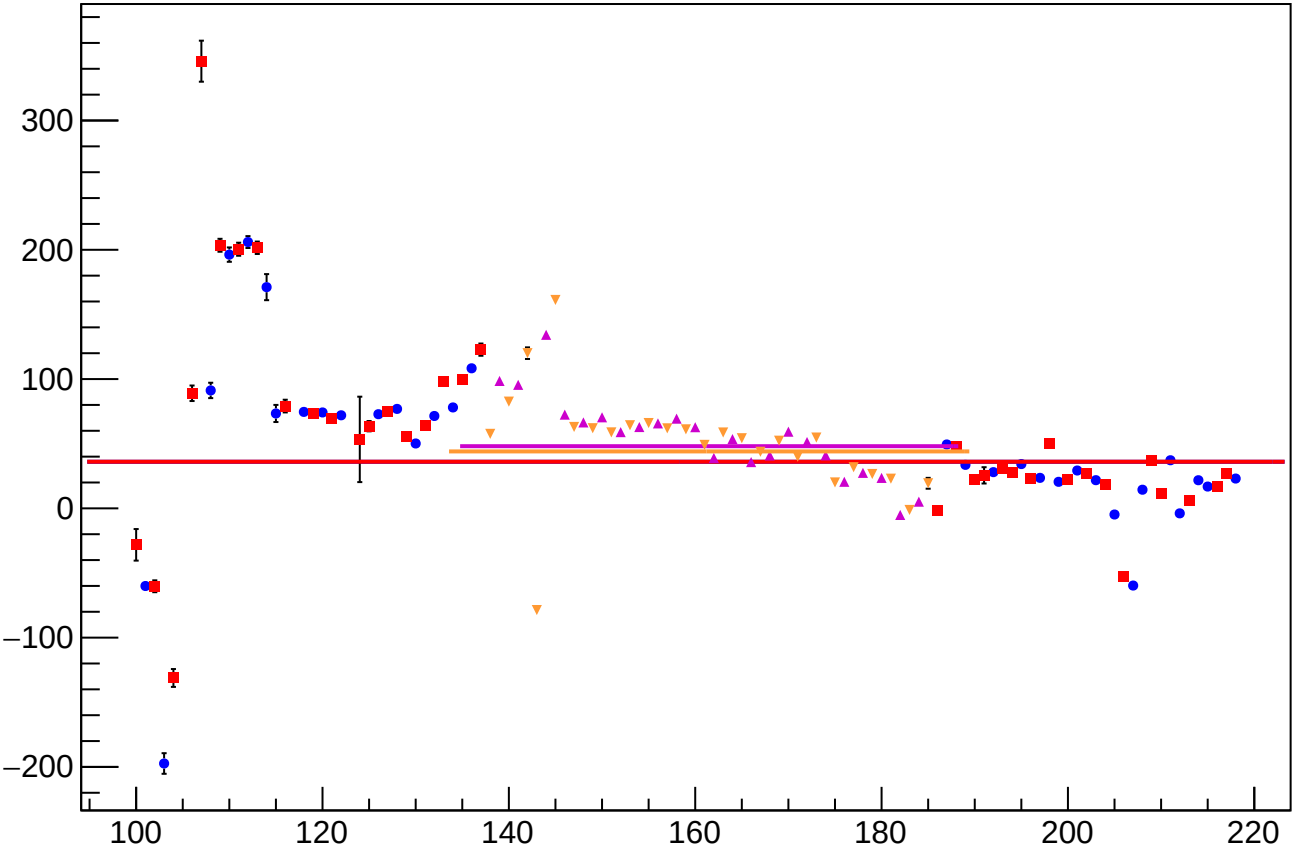
Left In: 6.461+/-0.408 χ^2/NDF:336.0/22

+ sign 6.664+/-0.331 χ^2/NDF: 1334.4/56

All: 7.164+/-0.235 χ^2/NDF: 2306.7/115

- sign 7.675+/-0.335 χ^2/NDF: 967.7/58

reg_asym_atl1_diff_bpm4eX_slope vs Slug



Right In: 36.010+/-0.504 χ^2/NDF: 8375.3/31

Left Out: 44.040+/-0.510 χ^2/NDF:4563.8/24

Right Out: 36.078+/-0.460 χ^2/NDF: 9389.6/35

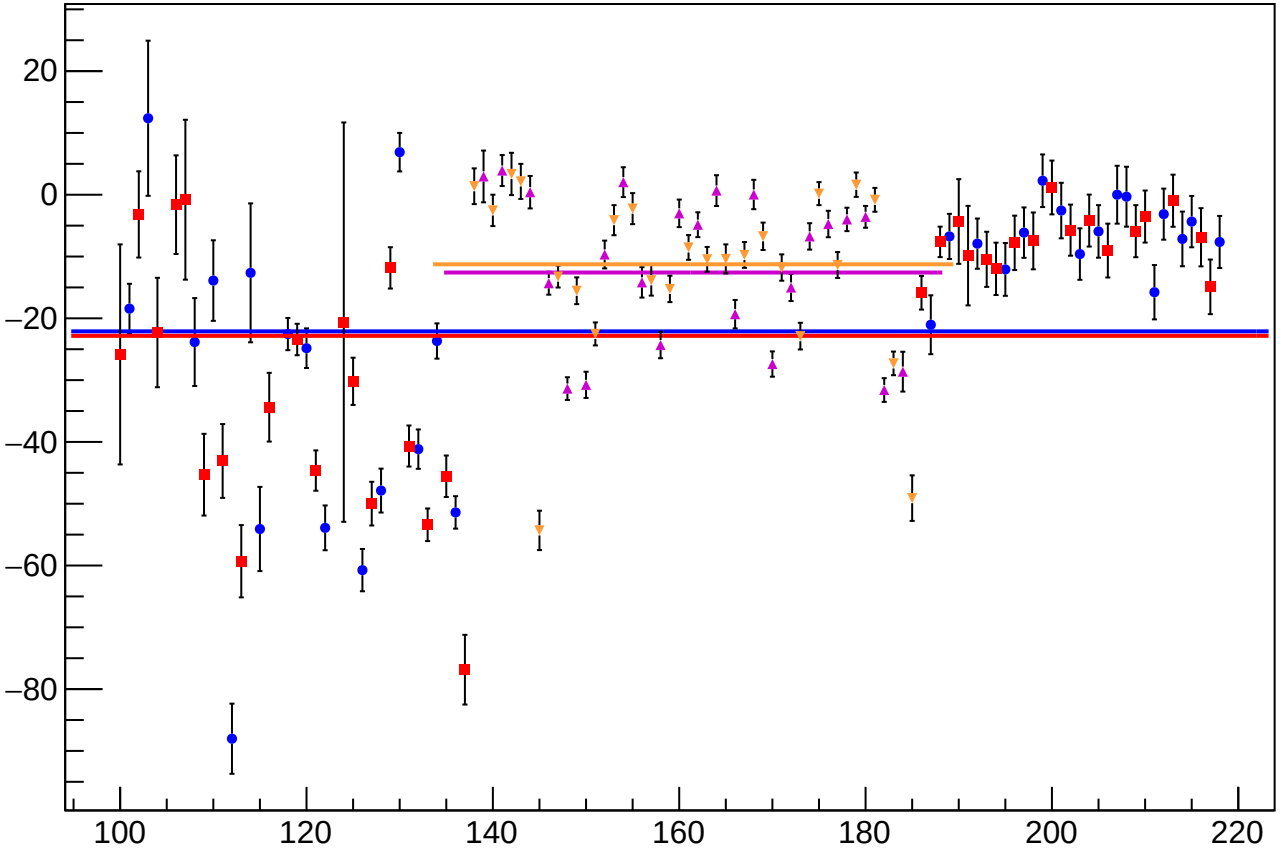
Left In: 48.076+/-0.521 χ^2/NDF:3376.5/22

+ sign 39.979+/-0.358 χ^2/NDF: 13064.6/56

All: 40.679+/-0.248 χ^2/NDF: 26136.1/115

- sign 41.326+/-0.345 χ^2/NDF: 13064.2/58

reg_asym_atl1_diff_bpm4eY_slope vs Slug



Right In: -22.110+/-0.707 χ^2/NDF: 905.7/31

Left Out: -11.260+/-0.445 χ^2/NDF:643.3/24

Right Out: -22.834+/-0.700 χ^2/NDF: 750.6/35

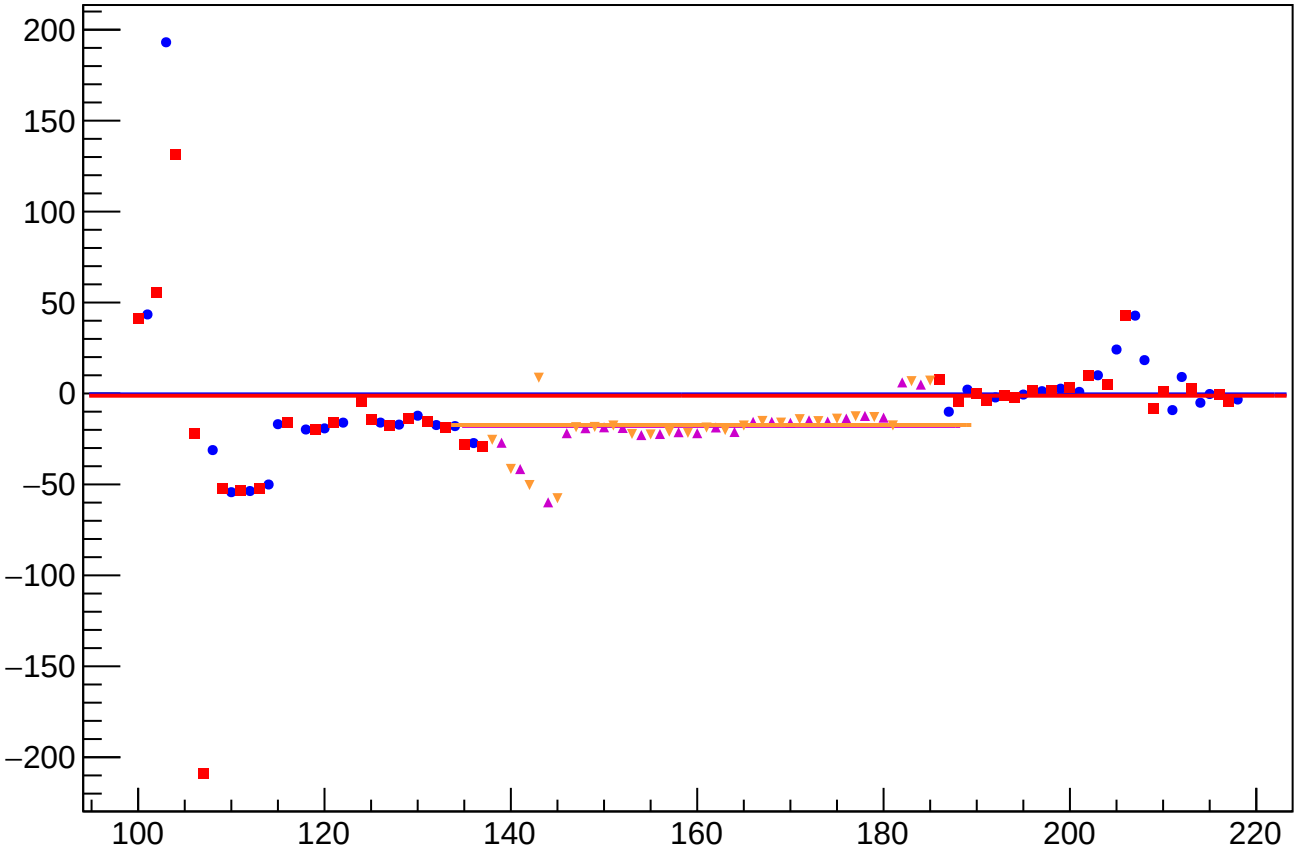
Left In: -12.589+/-0.459 χ^2/NDF:671.8/22

+ sign -14.340+/-0.377 χ^2/NDF: 1717.7/56

All: -14.990+/-0.269 χ^2/NDF: 3296.0/115

- sign -15.666+/-0.384 χ^2/NDF: 1572.2/58

reg_asym_atl1_diff_bpm12X_slope vs Slug



Right In: -0.502+/-0.033 χ^2/NDF: 648209.1/31

Left Out: -17.330+/-0.020 χ^2/NDF:347790.9/24

Right Out: -1.216+/-0.033 χ^2/NDF: 571817.1/35

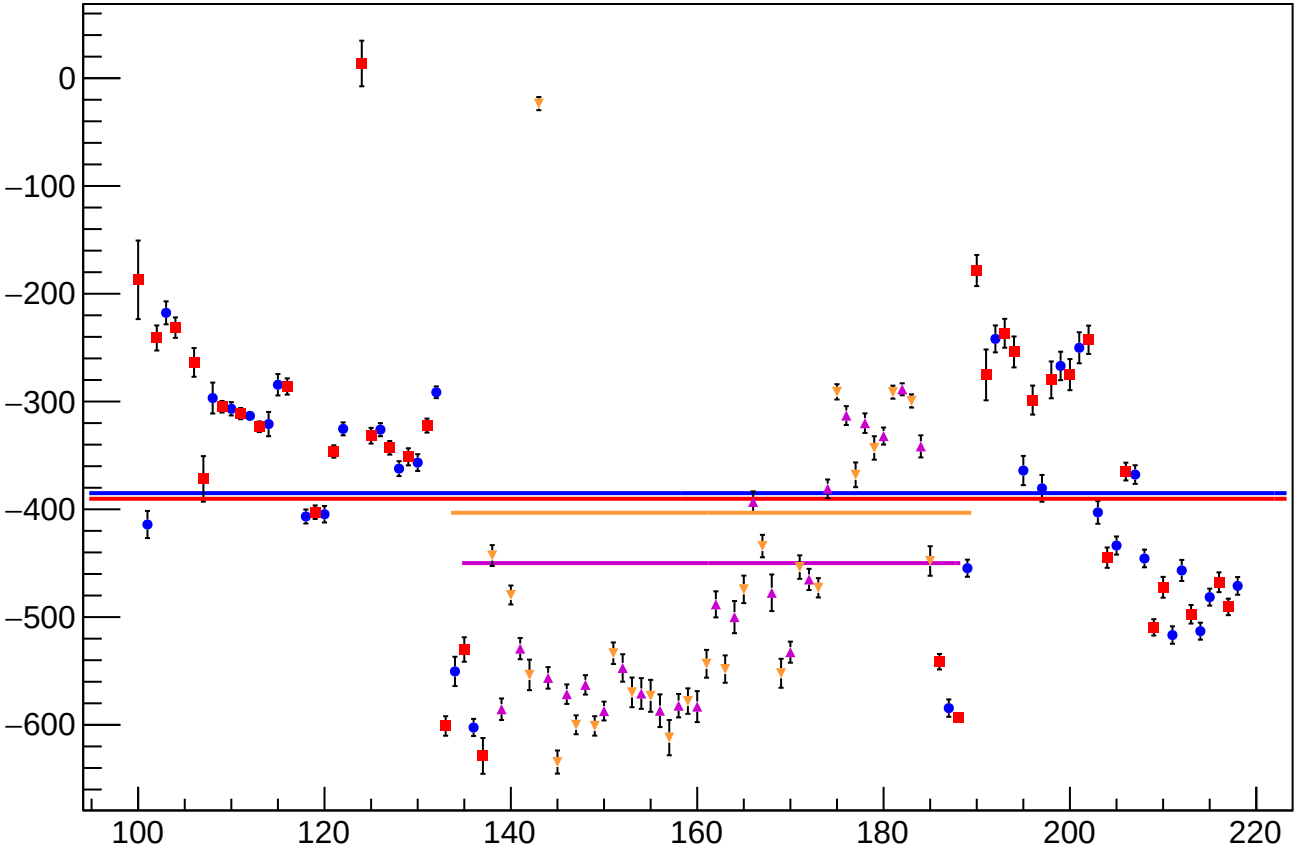
Left In: -17.829+/-0.020 χ^2/NDF:267426.0/22

+ sign -12.909+/-0.017 χ^2/NDF: 1182641.9/56

All: -13.095+/-0.012 χ^2/NDF: 2205520.9/115

- sign -13.284+/-0.017 χ^2/NDF: 1022641.3/58

reg_asym_atl2_diff_bpm1X_slope vs Slug



Right In: -384.999+/-1.437 χ^2/NDF: 4182.6/31

Left Out: -403.195+/-1.928 χ^2/NDF:7750.3/24

Right Out: -390.219+/-1.374 χ^2/NDF: 7177.2/35

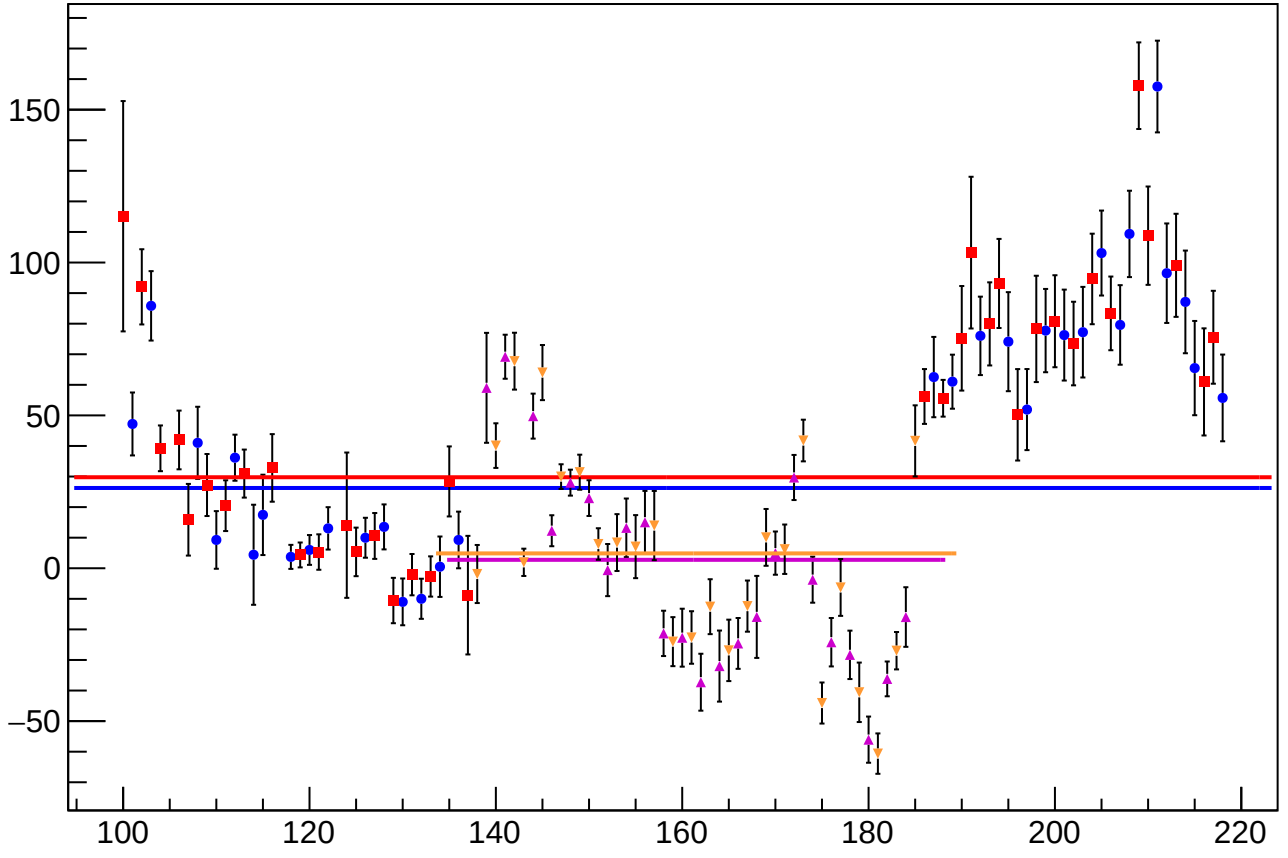
Left In: -449.912+/-2.043 χ^2/NDF:3218.9/22

+ sign -391.498+/-1.152 χ^2/NDF: 11990.2/56

All: -400.242+/-0.810 χ^2/NDF: 23088.1/115

- sign -408.807+/-1.140 χ^2/NDF: 10983.9/58

reg_asym_atl2_diff_bpm4aY_slope vs Slug



Right In: 26.260+/-1.622 χ^2/NDF: 457.0/31

Left Out: 4.858+/-1.447 χ^2/NDF:457.2/24

Right Out: 29.769+/-1.591 χ^2/NDF: 471.0/35

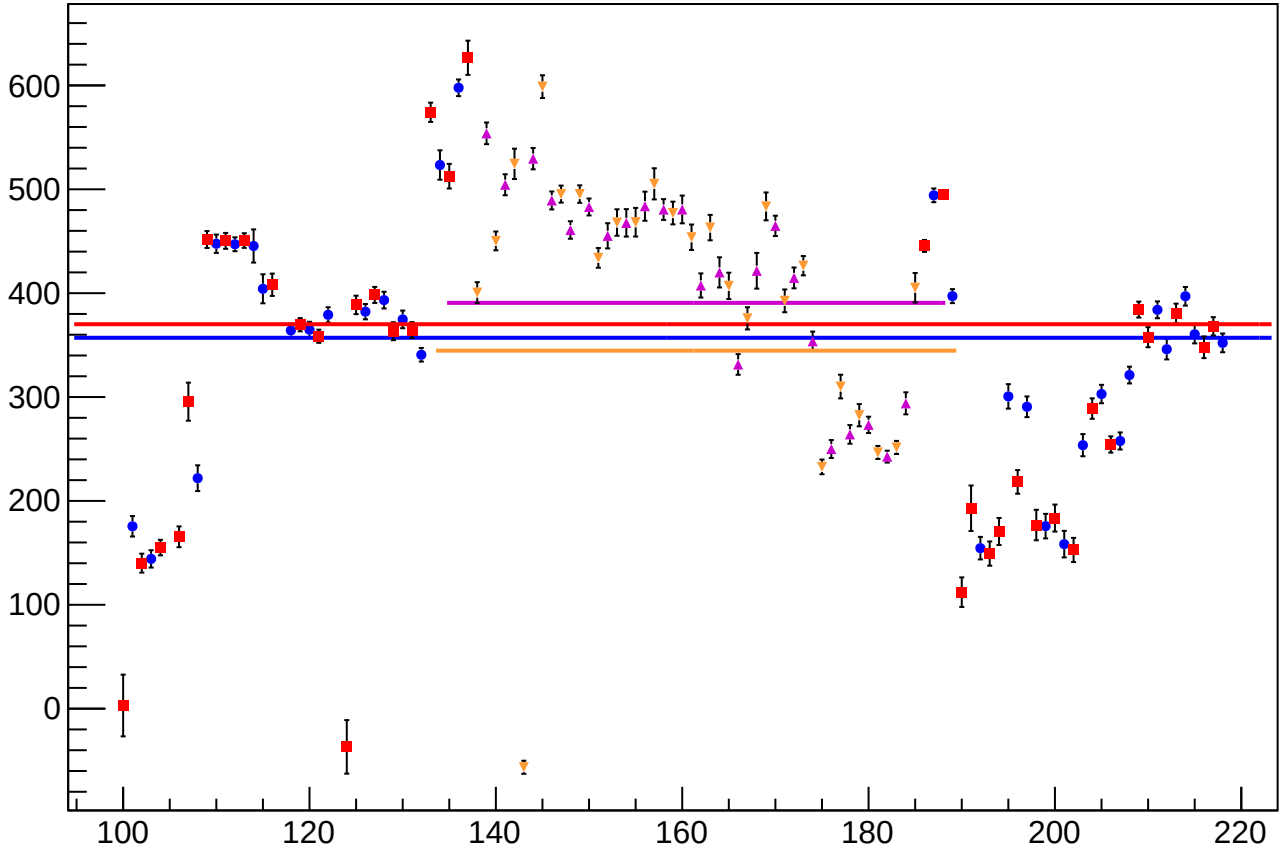
Left In: 2.756+/-1.554 χ^2/NDF:399.6/22

\+ sign 14.343+/-1.080 χ^2/NDF: 1011.2/56

All: 15.122+/-0.775 χ^2/NDF: 2030.4/115

\- sign 15.948+/-1.112 χ^2/NDF: 1018.1/58

reg_asym_atl2_diff_bpm4eX_slope vs Slug



Right In: 357.054+/-1.534 χ^2/NDF: 4210.3/31

Left Out: 344.680+/-1.924 χ^2/NDF:7278.2/24

Right Out: 370.118+/-1.435 χ^2/NDF: 7219.0/35

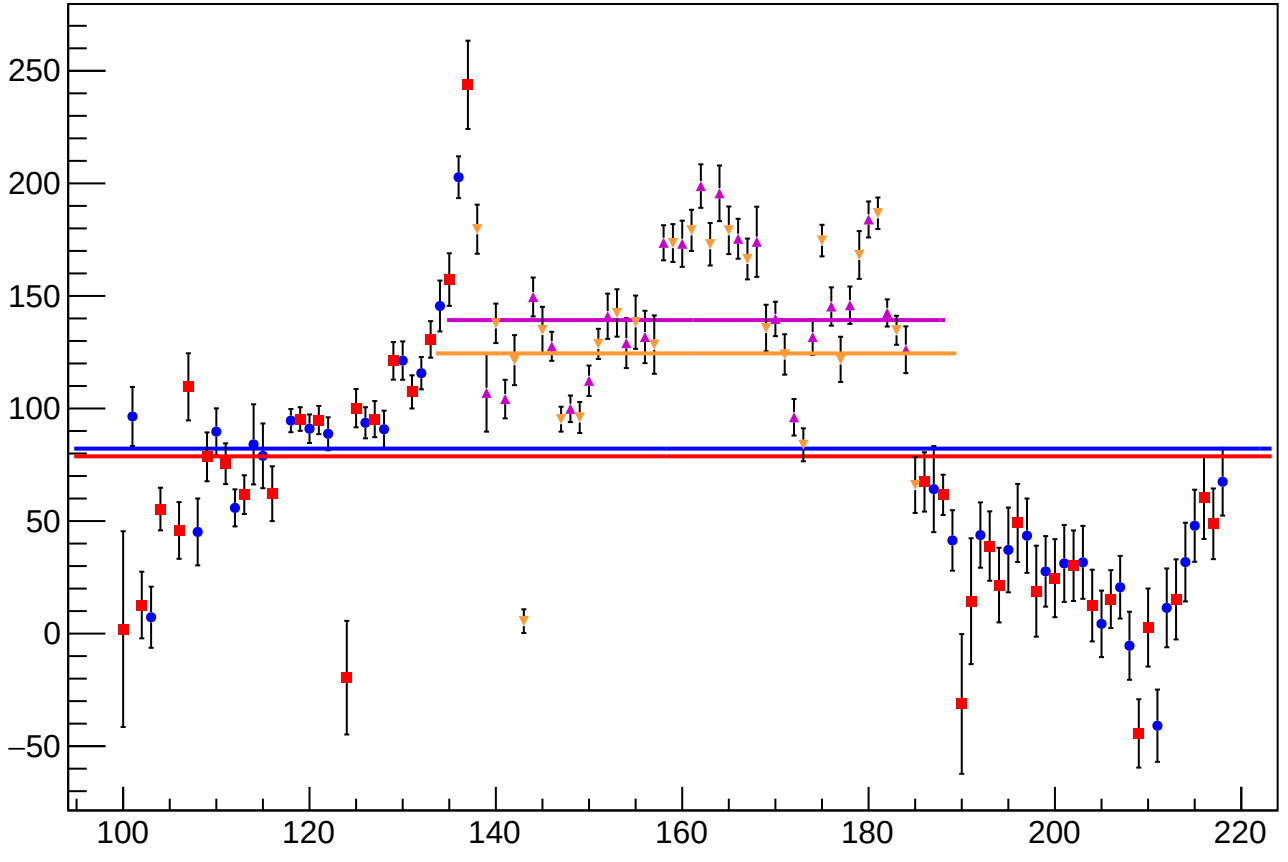
Left In: 390.672+/-2.029 χ^2/NDF:2672.8/22

+ sign 352.244+/-1.200 χ^2/NDF: 11513.8/56

All: 364.897+/-0.838 χ^2/NDF: 21691.4/115

- sign 376.969+/-1.172 χ^2/NDF: 9960.1/58

reg_asym_atl2_diff_bpm4eY_slope vs Slug



Right In: 82.175+/-1.886 χ^2/NDF: 533.1/31

Left Out: 124.466+/-1.662 χ^2/NDF:937.6/24

Right Out: 78.749+/-1.863 χ^2/NDF: 502.5/35

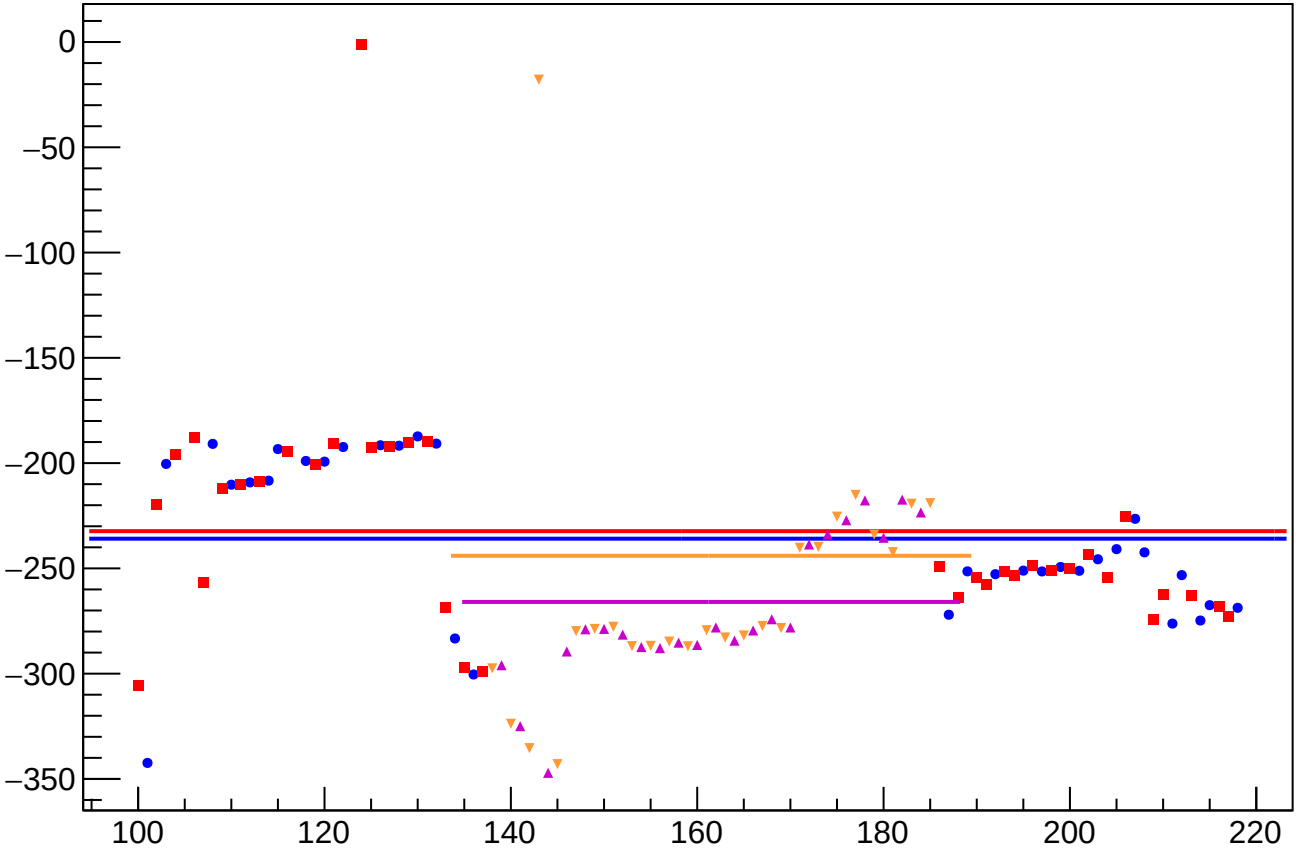
Left In: 139.274+/-1.769 χ^2/NDF:260.9/22

+ sign 105.979+/-1.247 χ^2/NDF: 1753.8/56

All: 108.208+/-0.894 χ^2/NDF: 3078.7/115

- sign 110.568+/-1.283 χ^2/NDF: 1318.4/58

reg_asym_atl2_diff_bpm12X_slope vs Slug



Right In: -235.896+/-0.103 χ^2/NDF: 144654.5/31

Left Out: -244.021+/-0.077 χ^2/NDF:997959.6/24

Right Out: -232.315+/-0.099 χ^2/NDF: 121210.1/35

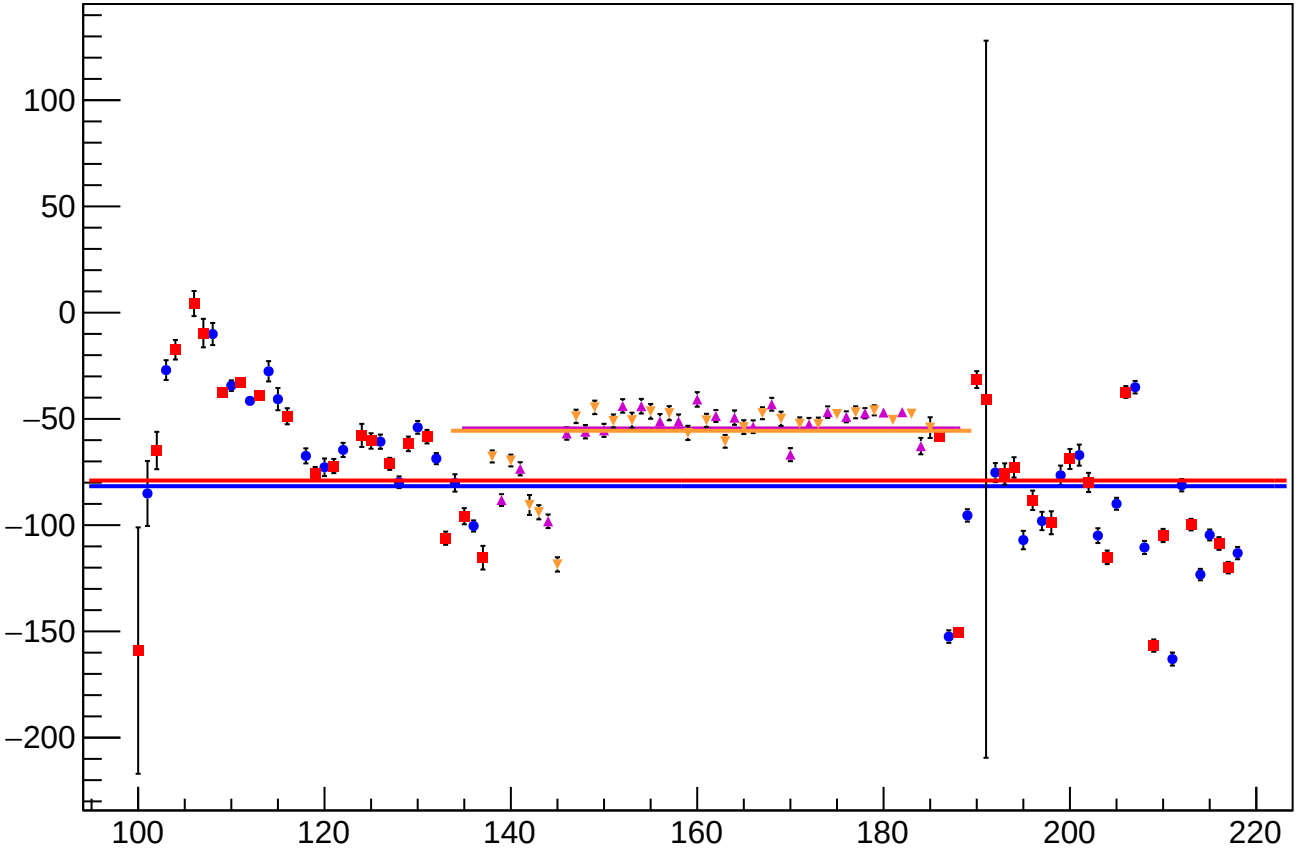
Left In: -265.945+/-0.081 χ^2/NDF:169943.2/22

+ sign -241.078+/-0.062 χ^2/NDF: 1146611.7/56

All: -246.778+/-0.044 χ^2/NDF: 1524138.1/11

- sign -252.625+/-0.063 χ^2/NDF: 360274.5/58

reg_asym_atr1_diff_bpm1X_slope vs Slug



Right In: -81.675+/-0.578 χ^2/NDF: 3660.9/31

Left Out: -55.575+/-0.590 χ^2/NDF:686.5/24

Right Out: -78.993+/-0.541 χ^2/NDF: 5490.8/35

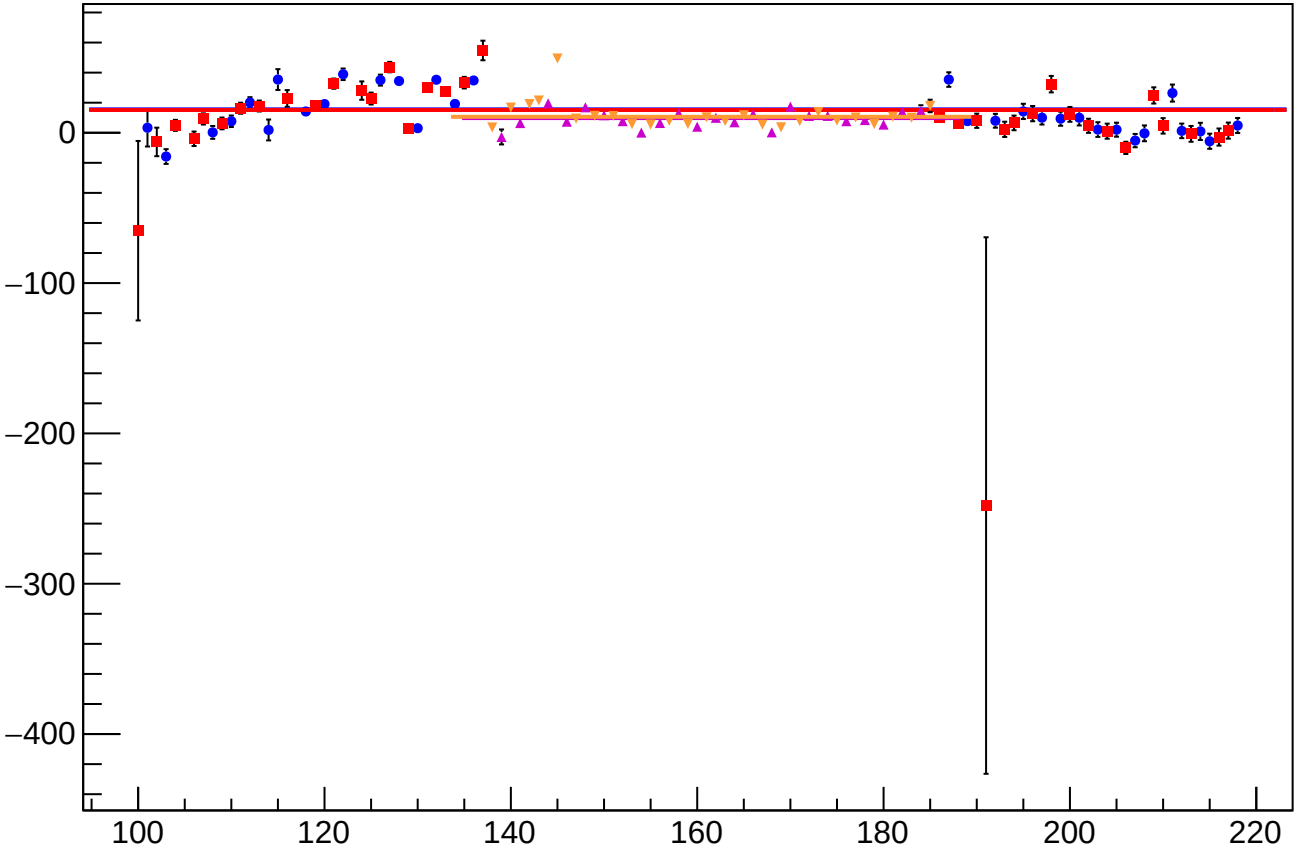
Left In: -54.499+/-0.606 χ^2/NDF:500.4/22

\+ sign -68.887+/-0.413 χ^2/NDF: 5345.4/56

All: -68.501+/-0.289 χ^2/NDF: 12246.8/115

\- sign -68.131+/-0.404 χ^2/NDF: 6899.7/58

reg_asym_atr1_diff_bpm4aY_slope vs Slug



Right In: 15.541+/-0.700 χ^2/NDF: 390.9/31

Left Out: 10.603+/-0.449 χ^2/NDF:255.2/24

Right Out: 15.165+/-0.653 χ^2/NDF: 395.6/35

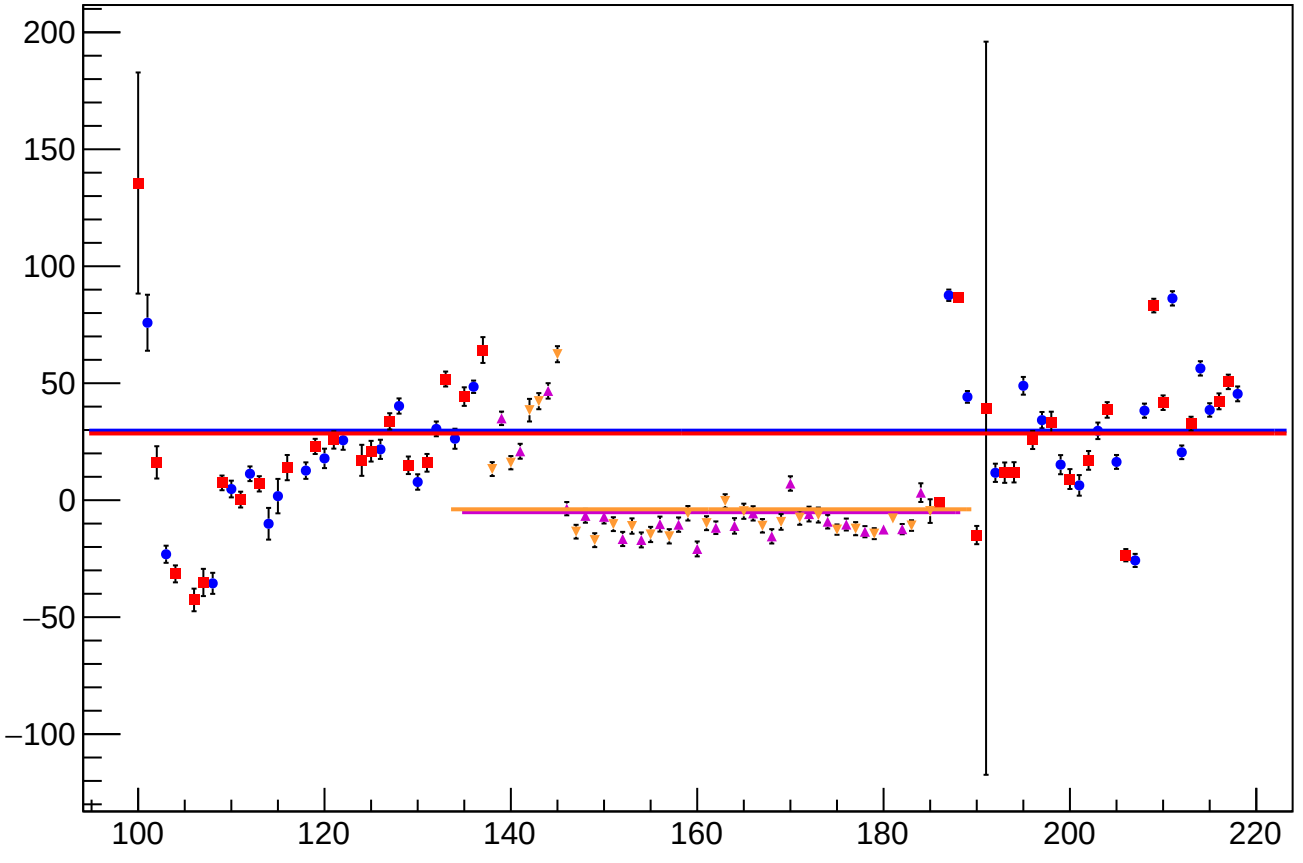
Left In: 9.765+/-0.467 χ^2/NDF:121.0/22

+ sign 12.045+/-0.378 χ^2/NDF: 681.3/56

All: 11.819+/-0.268 χ^2/NDF: 1243.8/115

- sign 11.590+/-0.380 χ^2/NDF: 561.8/58

reg_asym_atr1_diff_bpm4eX_slope vs Slug



Right In: 29.719+/-0.605 χ^2/NDF: 2277.0/31

Left Out: -3.895+/-0.585 χ^2/NDF:850.2/24

Right Out: 28.521+/-0.549 χ^2/NDF: 4152.3/35

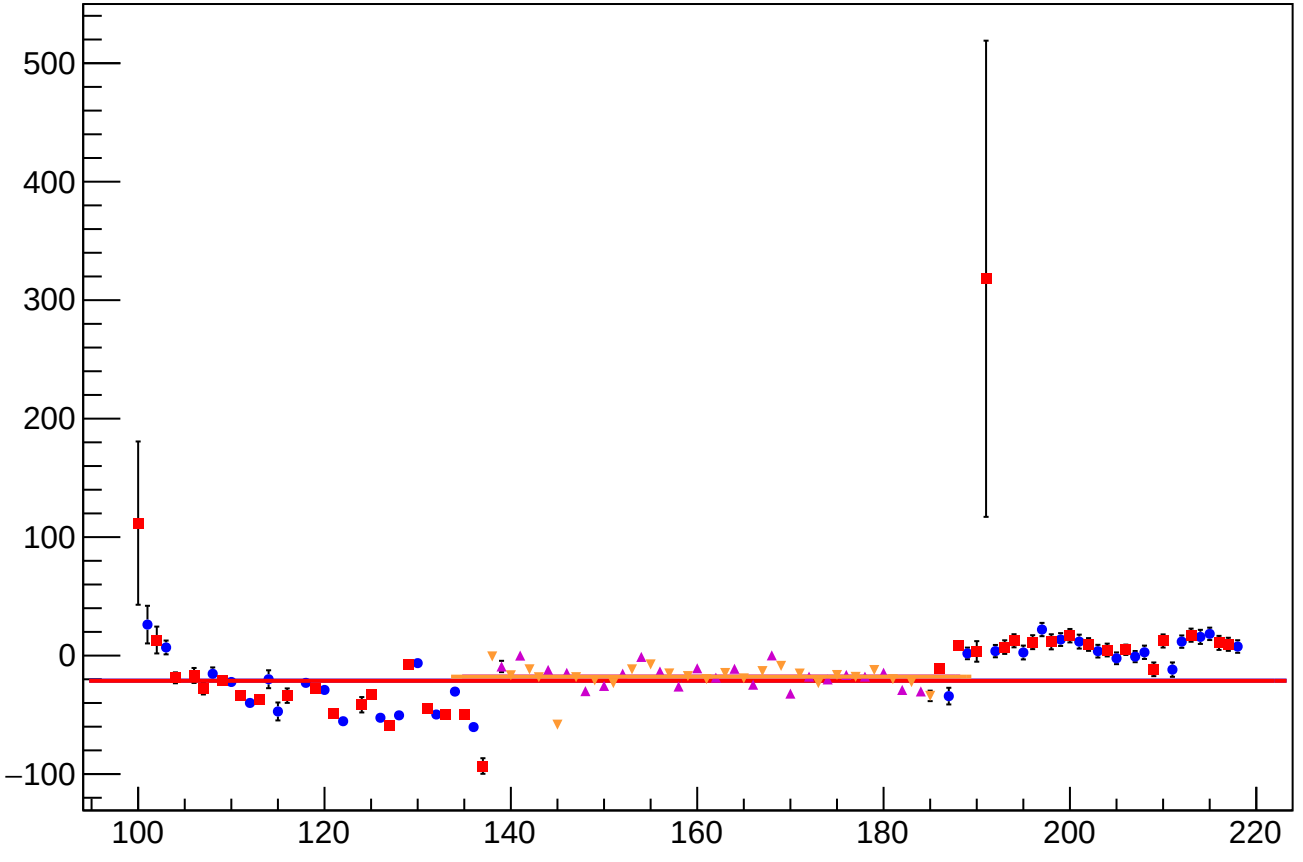
Left In: -5.124+/-0.600 χ^2/NDF:649.7/22

\+ sign 12.340+/-0.421 χ^2/NDF: 4721.5/56

All: 12.775+/-0.292 χ^2/NDF: 11238.4/115

\- sign 13.178+/-0.405 χ^2/NDF: 6514.8/58

reg_asym_atr1_diff_bpm4eY_slope vs Slug



Right In: -21.118+/-0.801 χ^2/NDF: 975.2/31

Left Out: -17.776+/-0.509 χ^2/NDF:251.6/24

Right Out: -21.298+/-0.772 χ^2/NDF: 1057.8/35

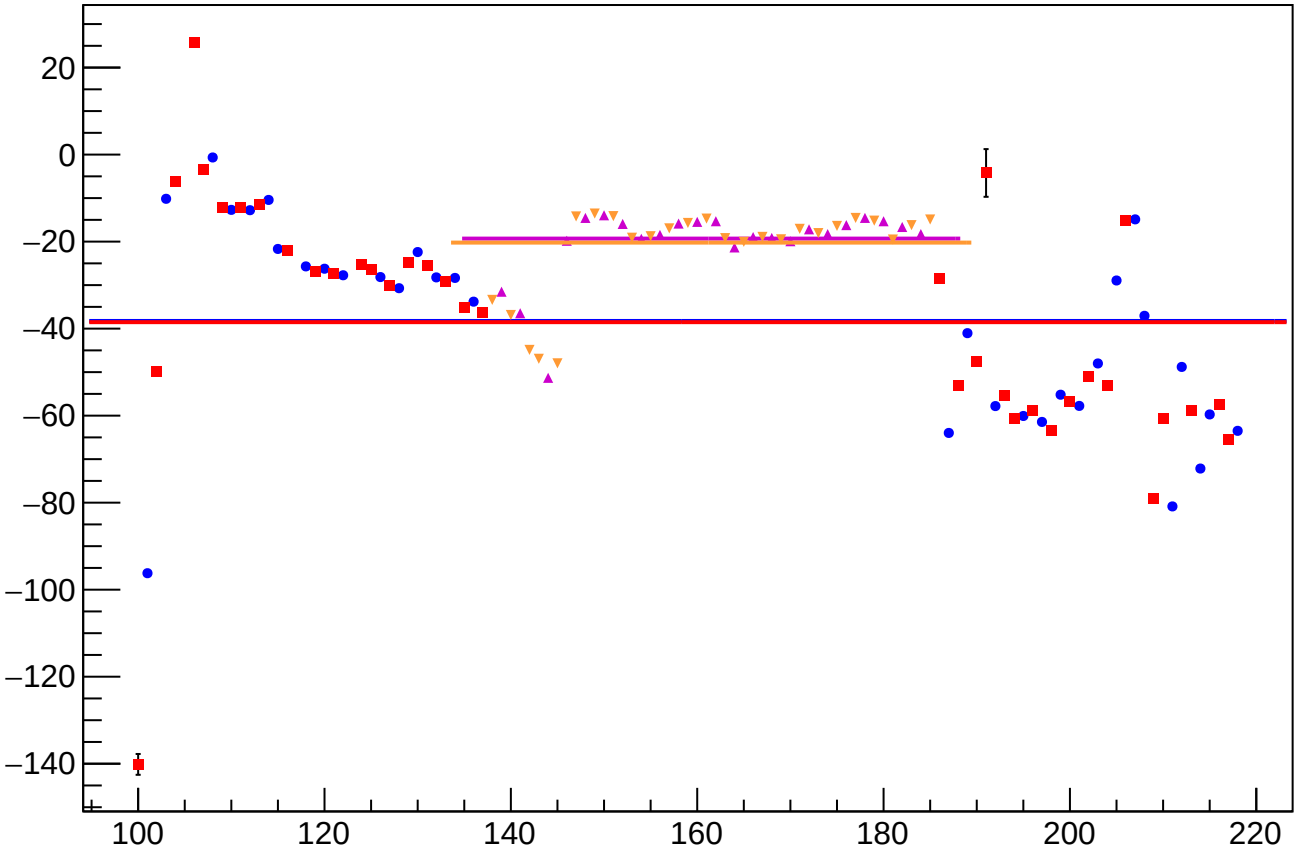
Left In: -17.643+/-0.526 χ^2/NDF:285.9/22

+ sign -18.737+/-0.429 χ^2/NDF: 1239.2/56

All: -18.769+/-0.306 χ^2/NDF: 2598.1/115

- sign -18.802+/-0.435 χ^2/NDF: 1359.0/58

reg_asym_atr1_diff_bpm12X_slope vs Slug



Right In: -38.241+/-0.039 χ^2/NDF: 265847.5/31

Left Out: -20.227+/-0.023 χ^2/NDF:147352.7/24

Right Out: -38.512+/-0.039 χ^2/NDF: 341342.1/35

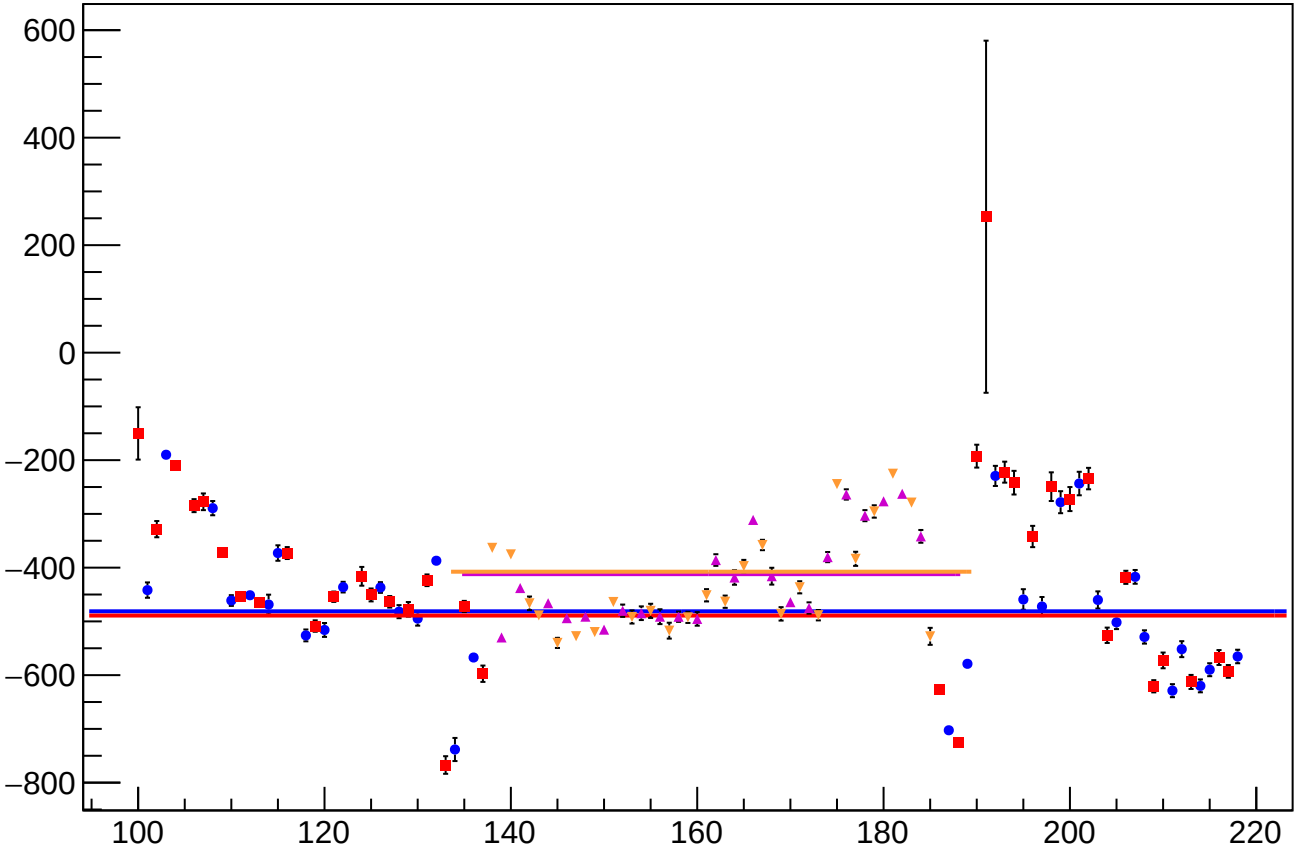
Left In: -19.310+/-0.023 χ^2/NDF:93090.9/22

+ sign -24.845+/-0.020 χ^2/NDF: 572444.7/56

All: -24.639+/-0.014 χ^2/NDF: 1188692.6/115

- sign -24.429+/-0.020 χ^2/NDF: 616027.2/58

reg_asym_atr2_diff_bpm1X_slope vs Slug



Right In: -481.234+/-2.087 χ^2/NDF: 3352.2/31

Left Out: -407.554+/-1.951 χ^2/NDF:2872.6/24

Right Out: -489.118+/-1.912 χ^2/NDF: 6520.8/35

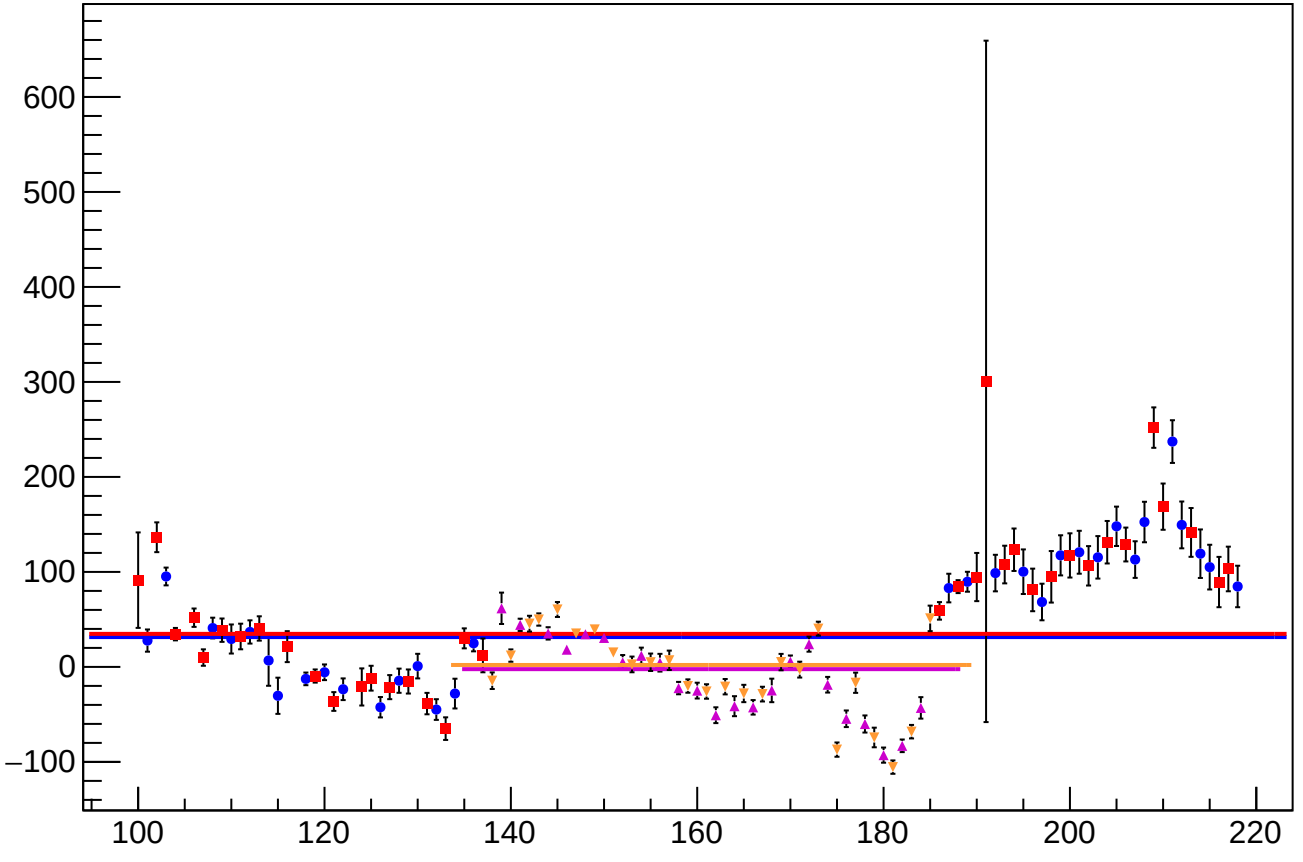
Left In: -412.102+/-2.008 χ^2/NDF:2182.3/22

\+ sign -441.920+/-1.425 χ^2/NDF: 6890.0/56

All: -447.361+/-0.993 χ^2/NDF: 16392.8/115

\- sign -452.500+/-1.385 χ^2/NDF: 9474.5/58

reg_asym_atr2_diff_bpm4aY_slope vs Slug



Right In: 31.409+/-2.373 χ^2/NDF: 605.7/31

Left Out: 2.035+/-1.426 χ^2/NDF:910.7/24

Right Out: 34.778+/-2.163 χ^2/NDF: 659.7/35

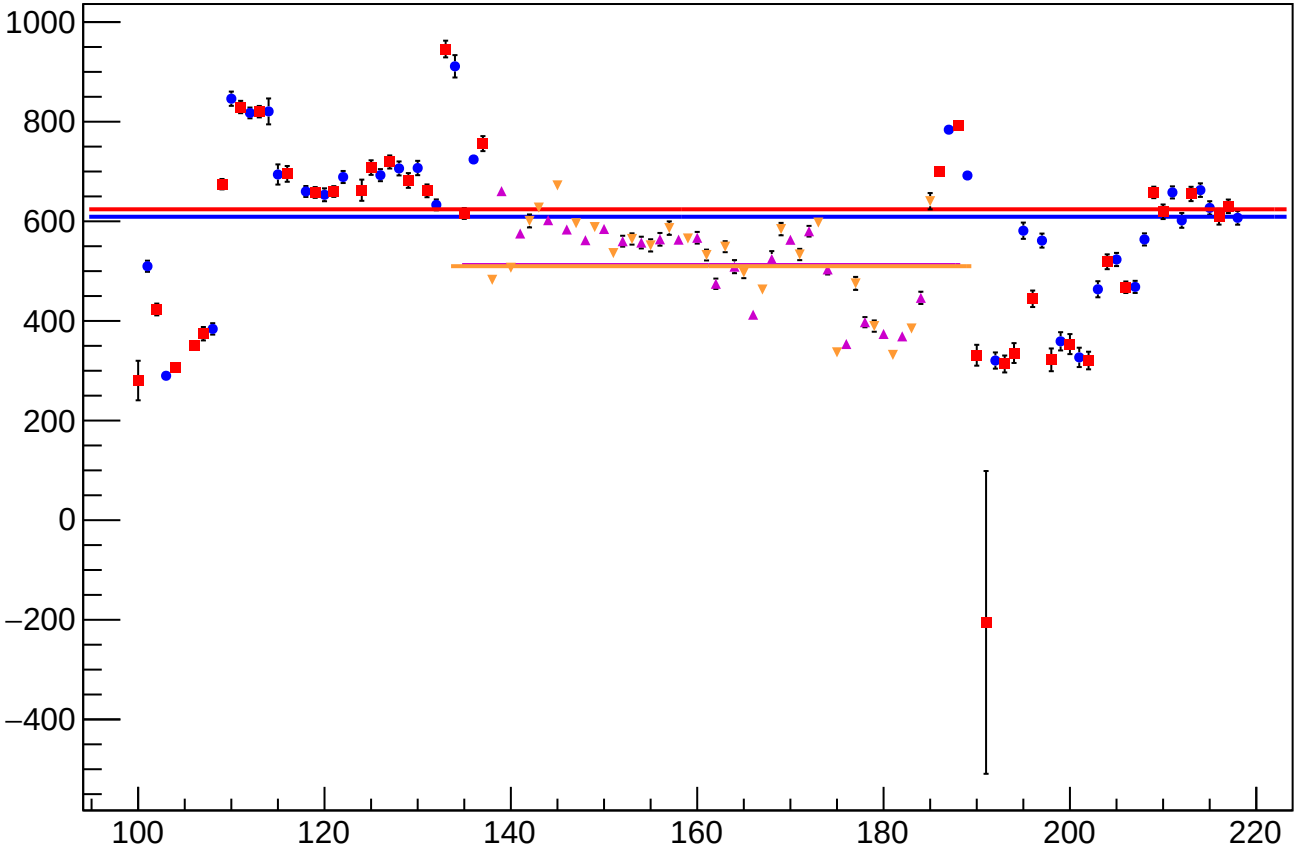
Left In: -2.365+/-1.482 χ^2/NDF:733.4/22

+ sign 9.827+/-1.222 χ^2/NDF: 1629.0/56

All: 9.666+/-0.864 χ^2/NDF: 3222.7/115

- sign 9.504+/-1.223 χ^2/NDF: 1593.6/58

reg_asym_atr2_diff_bpm4eX_slope vs Slug



Right In: 609.162+/-2.123 χ^2/NDF: 5562.5/31

Left Out: 509.912+/-1.936 χ^2/NDF:2662.6/24

Right Out: 624.158+/-1.885 χ^2/NDF: 8821.4/35

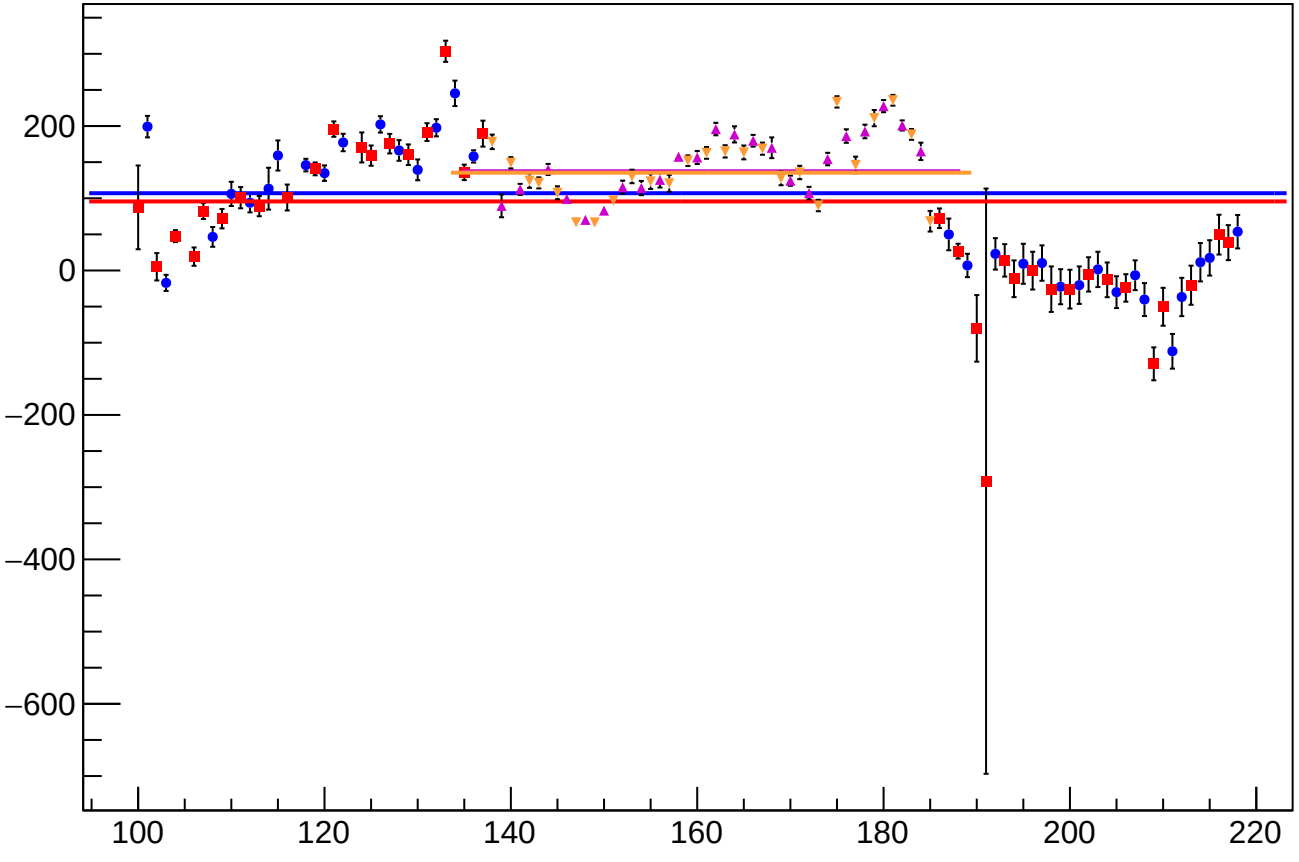
Left In: 512.270+/-1.984 χ^2/NDF:2087.6/22

+ sign 554.970+/-1.430 χ^2/NDF: 9418.7/56

All: 563.384+/-0.988 χ^2/NDF: 22065.4/115

- sign 571.065+/-1.367 χ^2/NDF: 12580.6/58

reg_asym_atr2_diff_bpm4eY_slope vs Slug



Right In: 106.988+/-2.763 χ^2/NDF: 910.6/31

Left Out: 135.407+/-1.649 χ^2/NDF:923.2/24

Right Out: 95.615+/-2.587 χ^2/NDF: 979.6/35

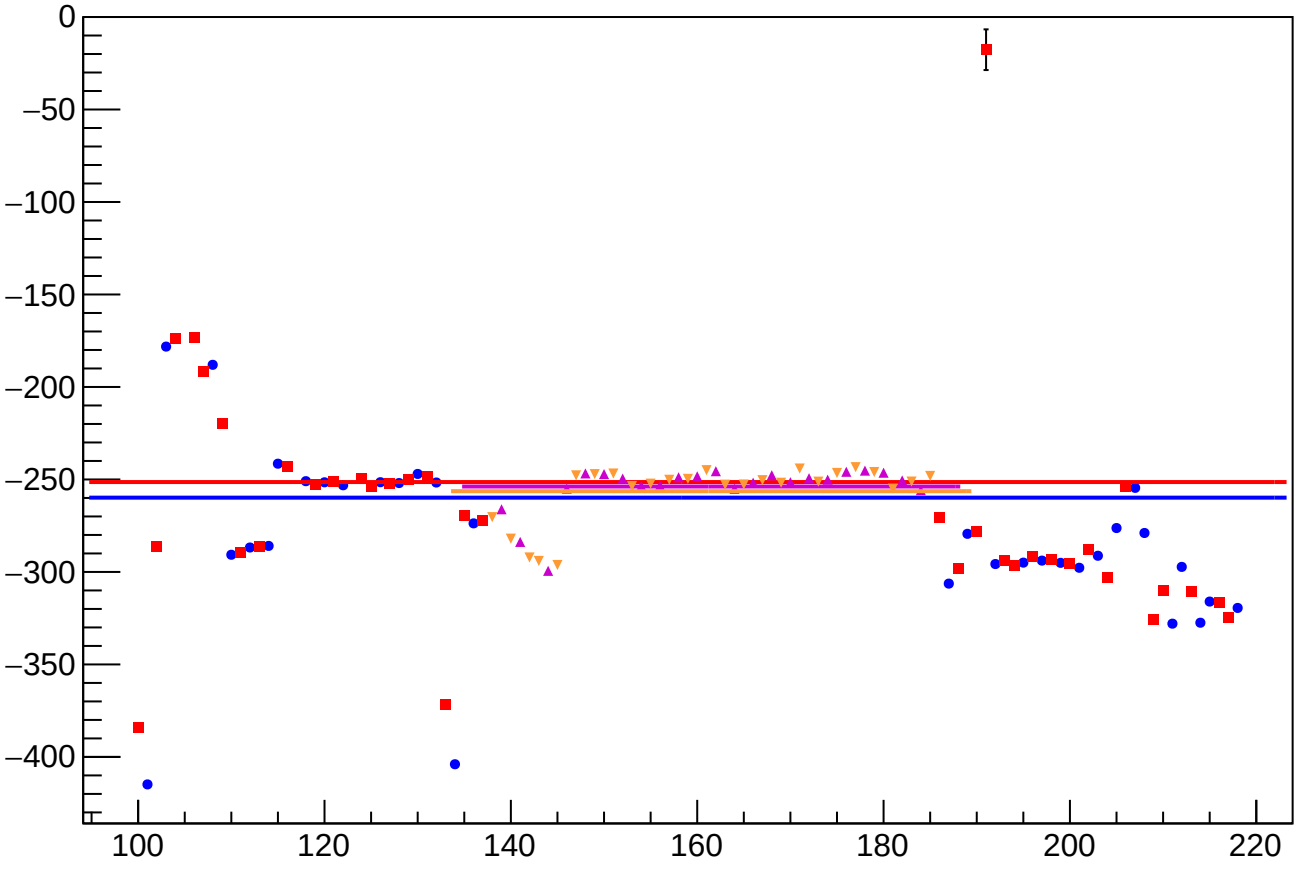
Left In: 137.374+/-1.702 χ^2/NDF:706.0/22

+ sign 127.945+/-1.416 χ^2/NDF: 1911.8/56

All: 126.356+/-1.003 χ^2/NDF: 3781.7/115

- sign 124.754+/-1.422 χ^2/NDF: 1867.4/58

reg_asym_atr2_diff_bpm12X_slope vs Slug



Right In: -259.834+/-0.132 χ^2/NDF: 209893.6/31

Left Out: -256.344+/-0.077 χ^2/NDF:39513.4/24

Right Out: -251.402+/-0.128 χ^2/NDF: 162663.4/35

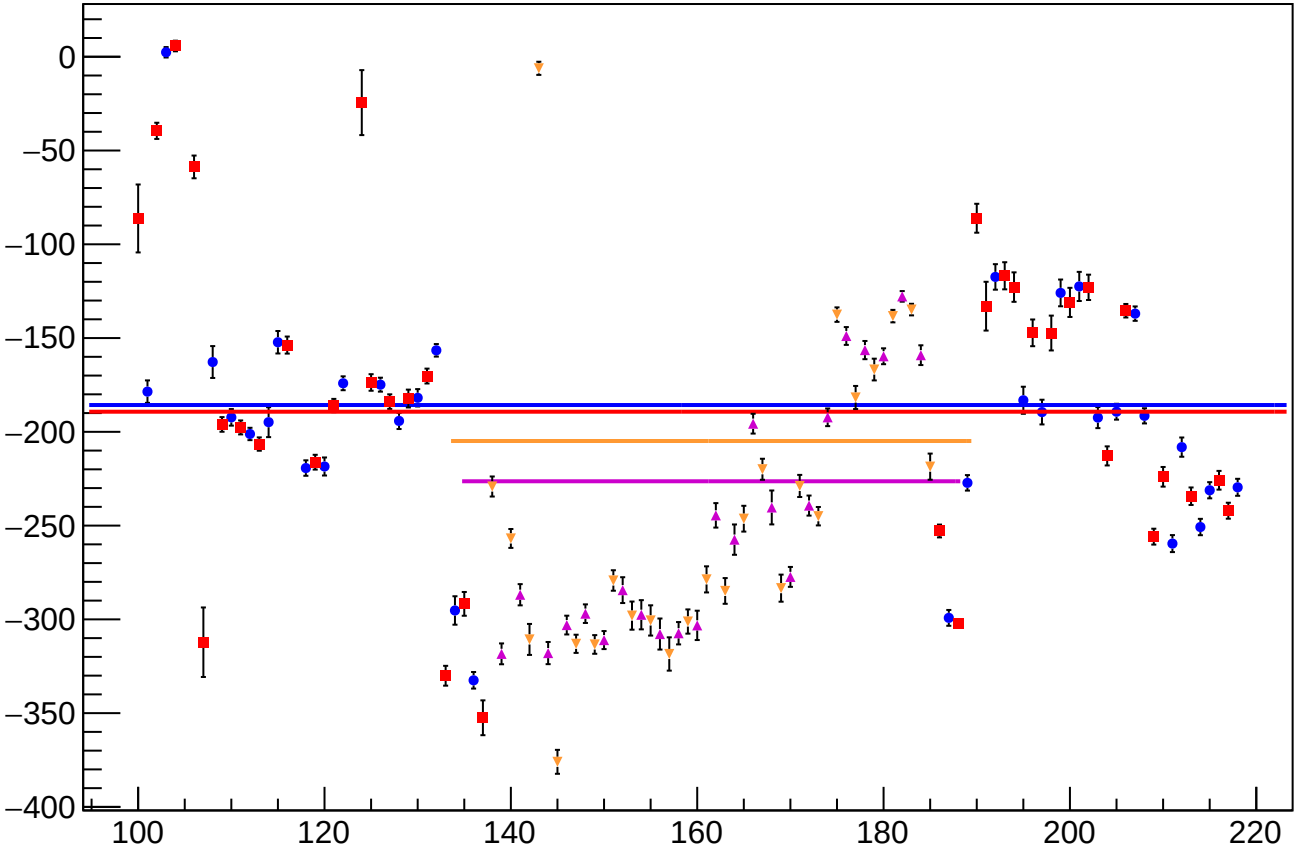
Left In: -253.817+/-0.078 χ^2/NDF:24076.7/22

+ sign -257.227+/-0.067 χ^2/NDF: 249926.7/56

All: -255.193+/-0.047 χ^2/NDF: 438793.5/115

- sign -253.164+/-0.066 χ^2/NDF: 187000.6/58

reg_asym_atl_avg_diff_bpm1X_slope vs Slug



Right In: -185.705+/-0.807 χ^2/NDF: 8108.4/31

Left Out: -204.891+/-1.052 χ^2/NDF:7826.3/24

Right Out: -189.269+/-0.772 χ^2/NDF: 12243.3/35

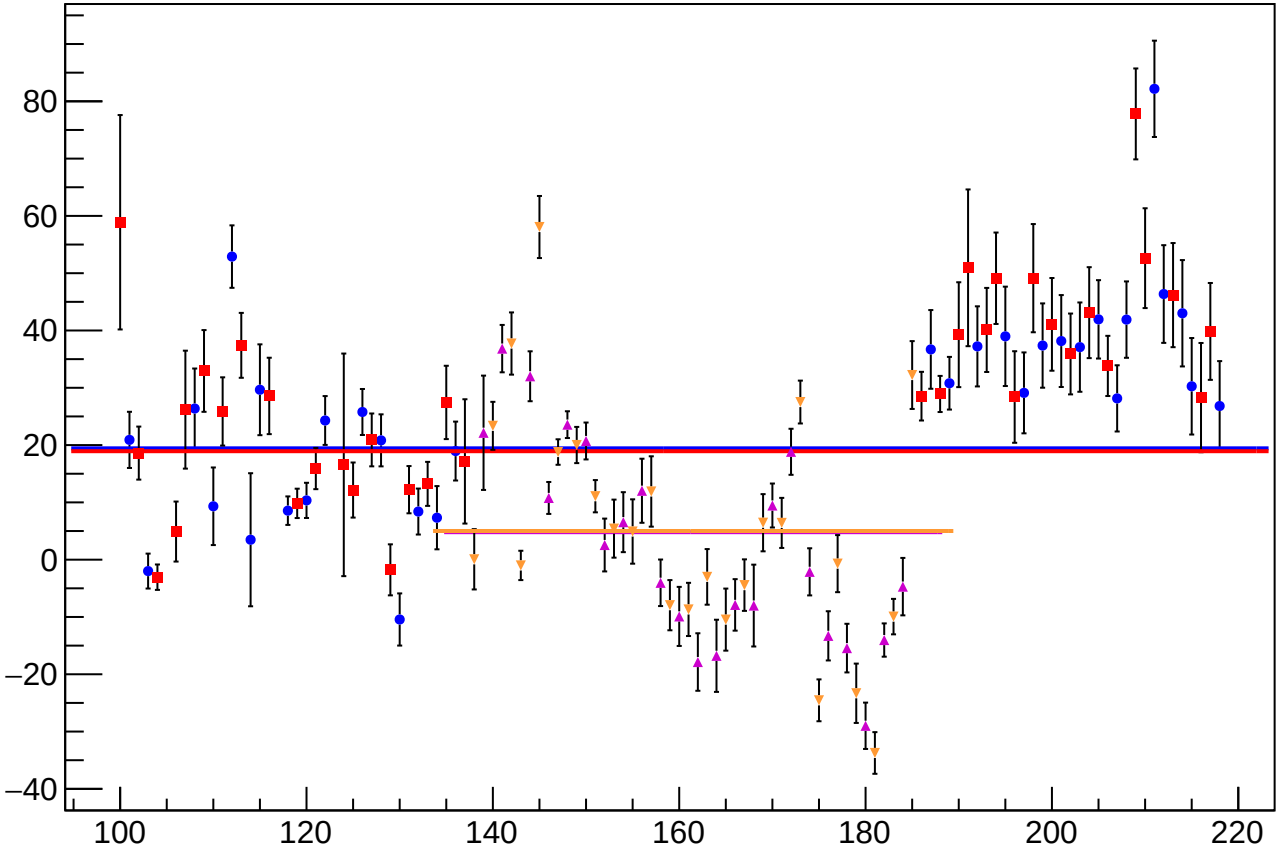
Left In: -226.365+/-1.105 χ^2/NDF:4219.0/22

+ sign -192.809+/-0.640 χ^2/NDF: 16144.1/56

All: -197.173+/-0.450 χ^2/NDF: 33455.7/115

- sign -201.440+/-0.633 χ^2/NDF: 17219.6/58

reg_asym_atl_avg_diff_bpm4aY_slope vs Slug



Right In: 19.433+/-0.921 χ^2/NDF: 322.7/31

Left Out: 5.006+/-0.793 χ^2/NDF:548.5/24

Right Out: 18.933+/-0.870 χ^2/NDF: 348.8/35

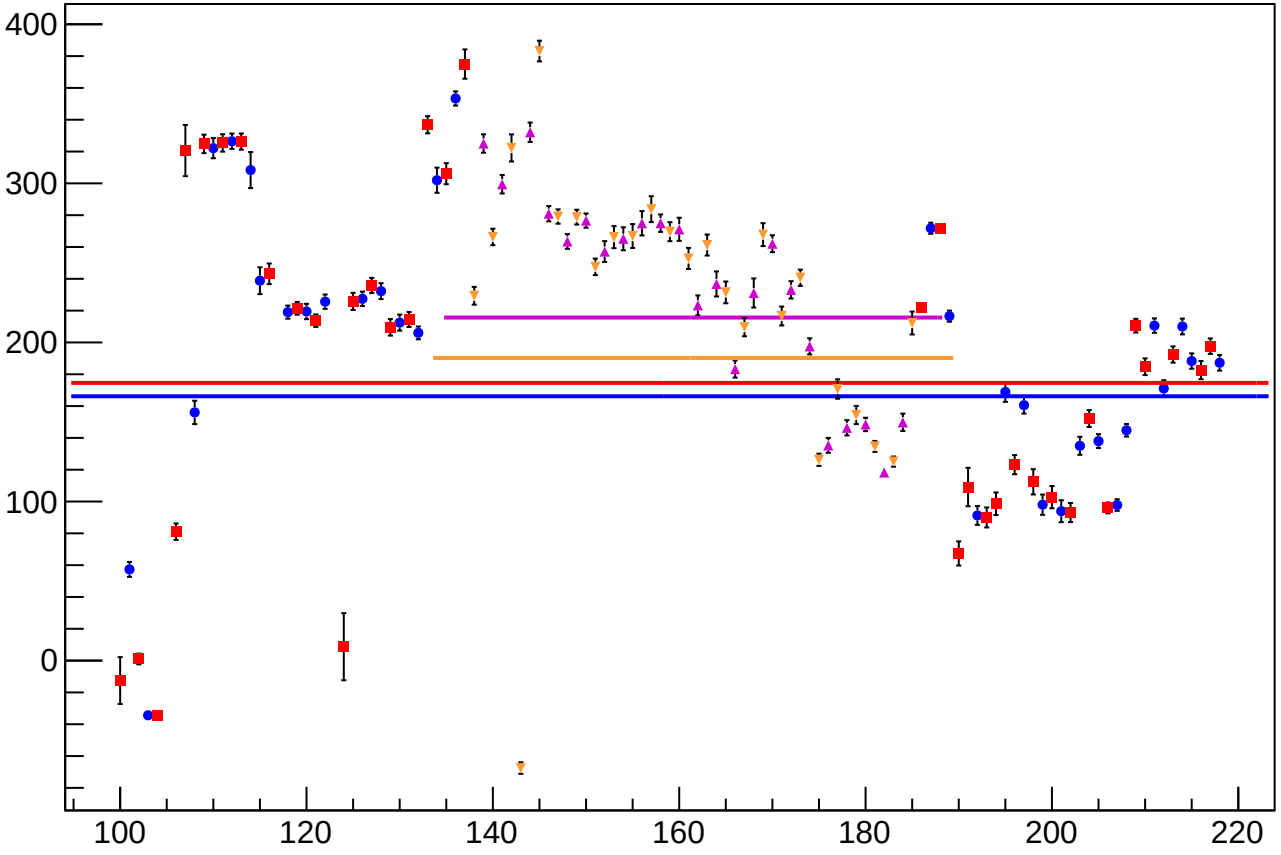
Left In: 4.799+/-0.846 χ^2/NDF:426.3/22

\+ sign 11.153+/-0.601 χ^2/NDF: 1012.1/56

All: 11.409+/-0.427 χ^2/NDF: 1923.1/115

\- sign 11.670+/-0.607 χ^2/NDF: 910.6/58

reg_asym_atl_avg_diff_bpm4eX_slope vs Slug



Right In: 166.163+/-0.815 χ^2/NDF: 16161.4/31

Left Out: 190.219+/-1.050 χ^2/NDF:9384.0/24

Right Out: 174.573+/-0.759 χ^2/NDF: 21489.3/35

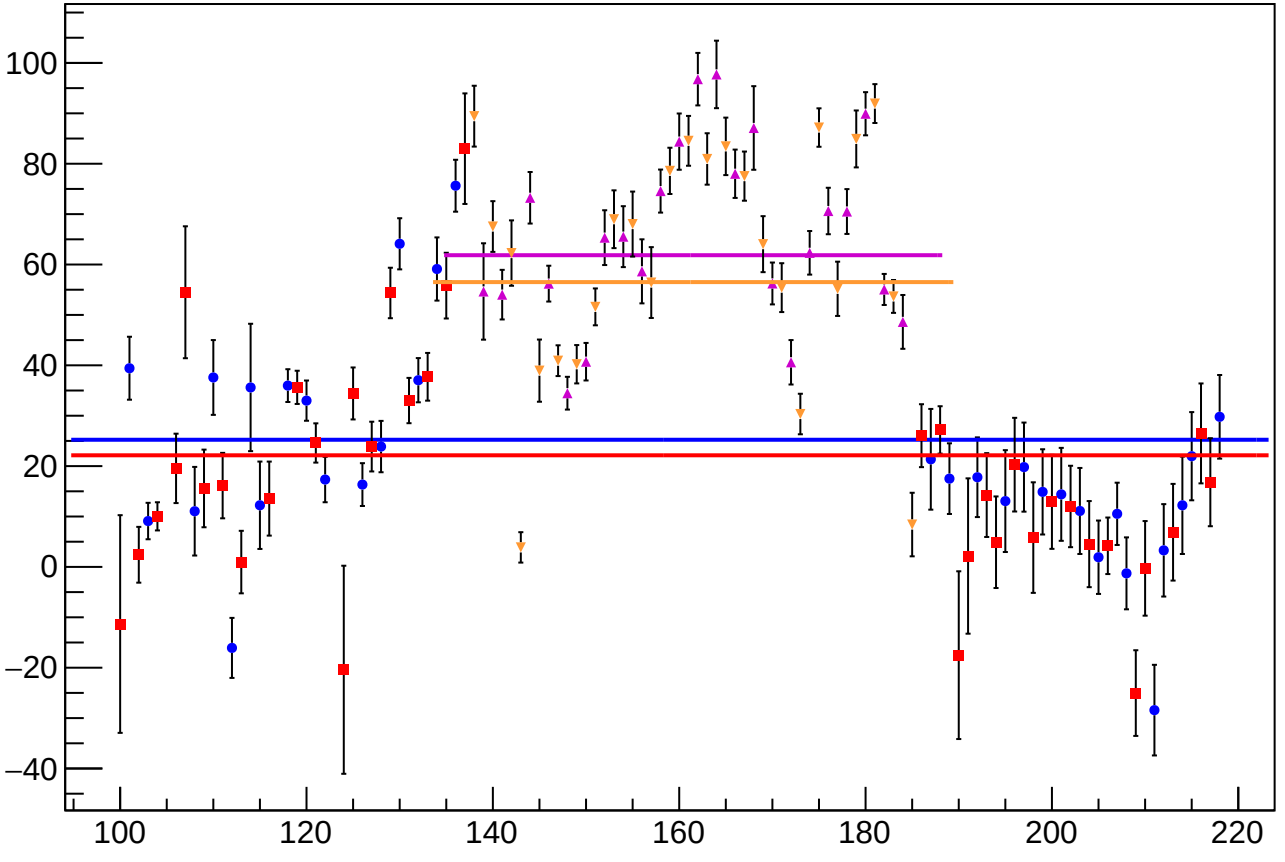
Left In: 215.649+/-1.098 χ^2/NDF:3886.0/22

+ sign 175.212+/-0.644 χ^2/NDF: 25872.8/56

All: 181.727+/-0.448 χ^2/NDF: 52393.2/115

- sign 187.854+/-0.624 χ^2/NDF: 26321.8/58

reg_asym_atl_avg_diff_bpm4eY_slope vs Slug



Right In: 25.230+/-1.071 χ^2/NDF: 377.6/31

Left Out: 56.514+/-0.909 χ^2/NDF:798.9/24

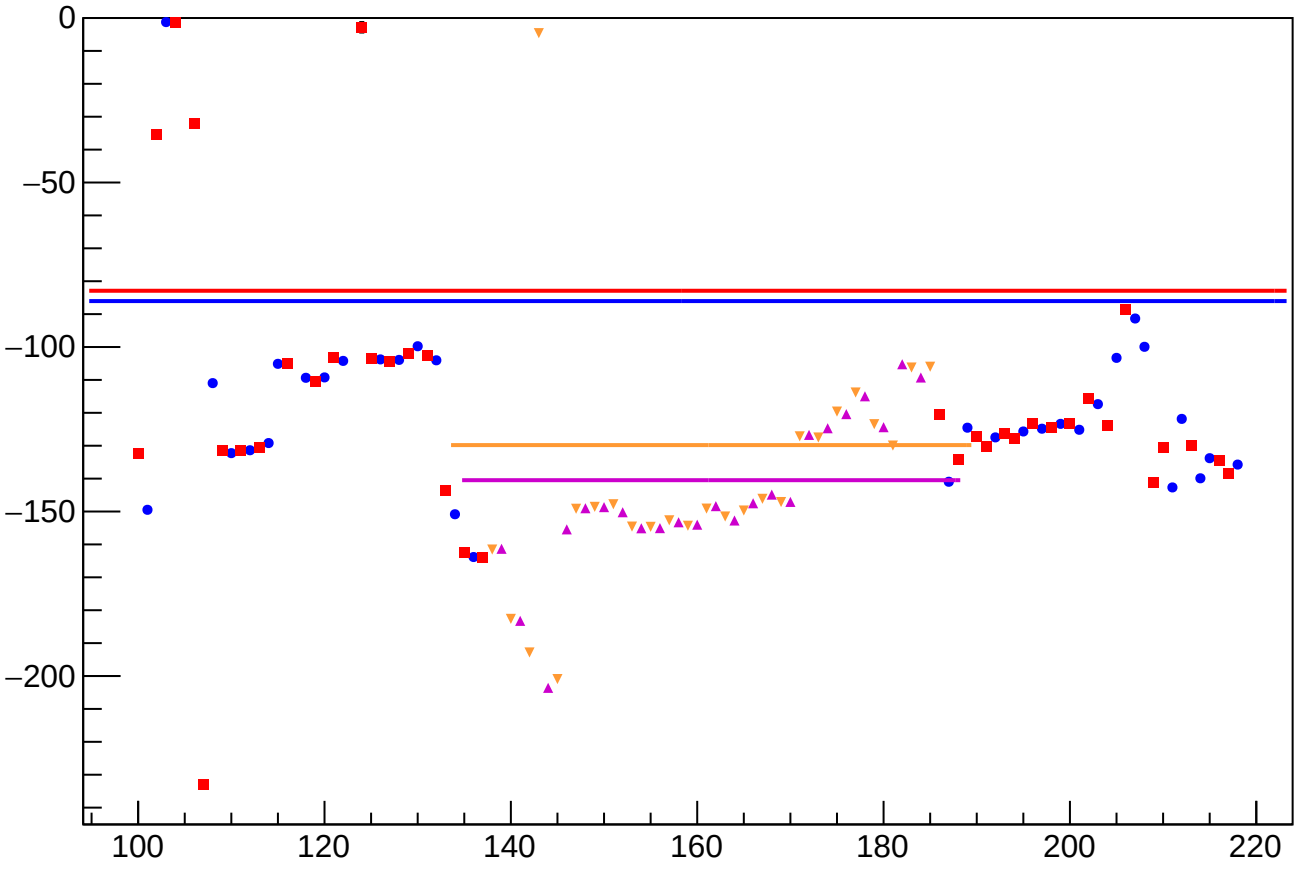
Right Out: 22.146+/-1.033 χ^2/NDF: 269.7/35

Left In: 61.850+/-0.961 χ^2/NDF:320.7/22

+ sign 43.421+/-0.693 χ^2/NDF: 1672.2/56

All: 43.425+/-0.494 χ^2/NDF: 3053.9/115

- sign 43.429+/-0.704 χ^2/NDF: 1381.7/58



Right In: -86.037+/-0.050 χ^2/NDF: 1362270.6/31

Left Out: -129.810+/-0.042 χ^2/NDF:1025155.0/24

Right Out: -82.900+/-0.048 χ^2/NDF: 1323288.7/35

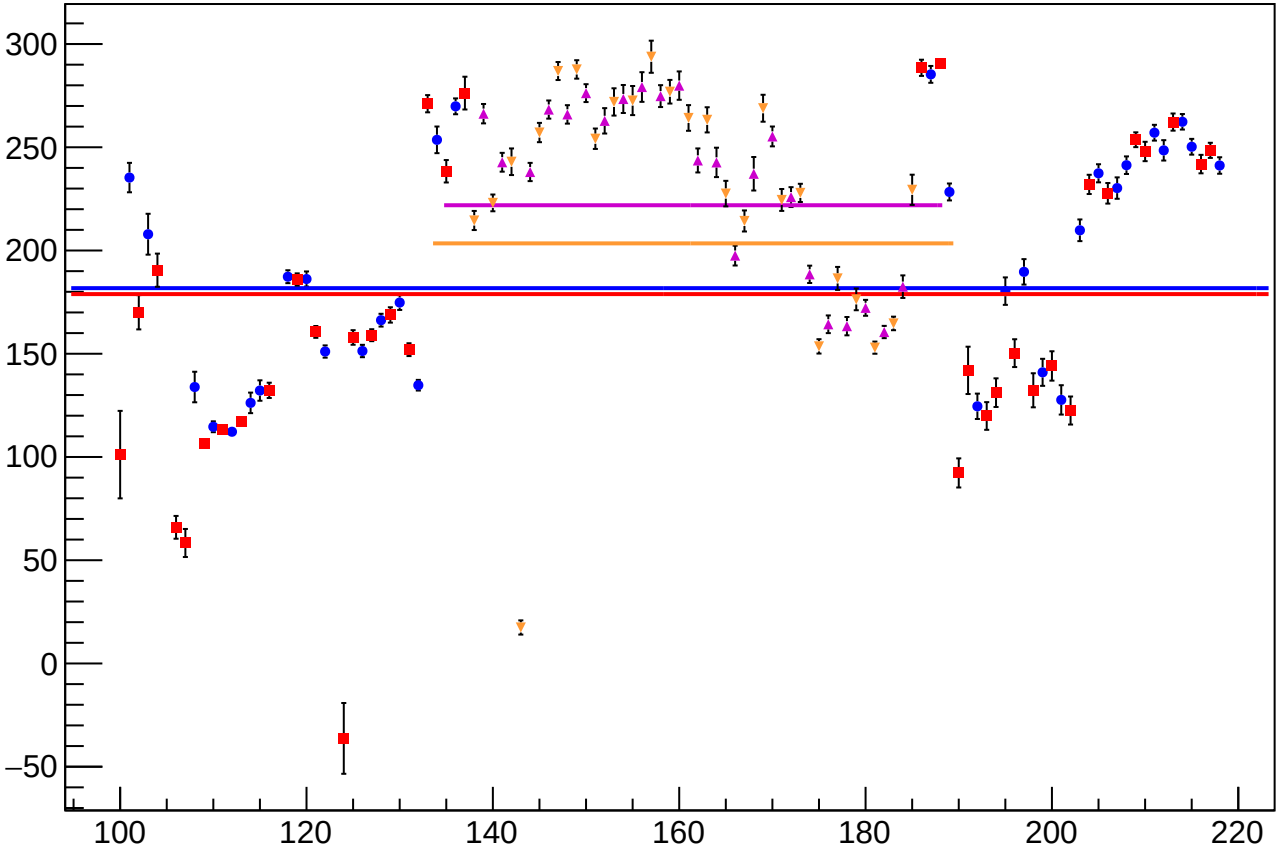
Left In: -140.477+/-0.044 χ^2/NDF:254660.0/22

+ sign -111.510+/-0.032 χ^2/NDF: 2837994.3/56

All: -113.075+/-0.023 χ^2/NDF: 5200077.2/11

- sign -114.666+/-0.032 χ^2/NDF: 2357310.4/58

reg_asym_atl_dd_diff_bpm1X_slope vs Slug



Right In: 181.768+/-0.698 χ^2/NDF: 6297.9/31

Left Out: 203.453+/-0.953 χ^2/NDF:5491.5/24

Right Out: 178.886+/-0.662 χ^2/NDF: 10303.7/35

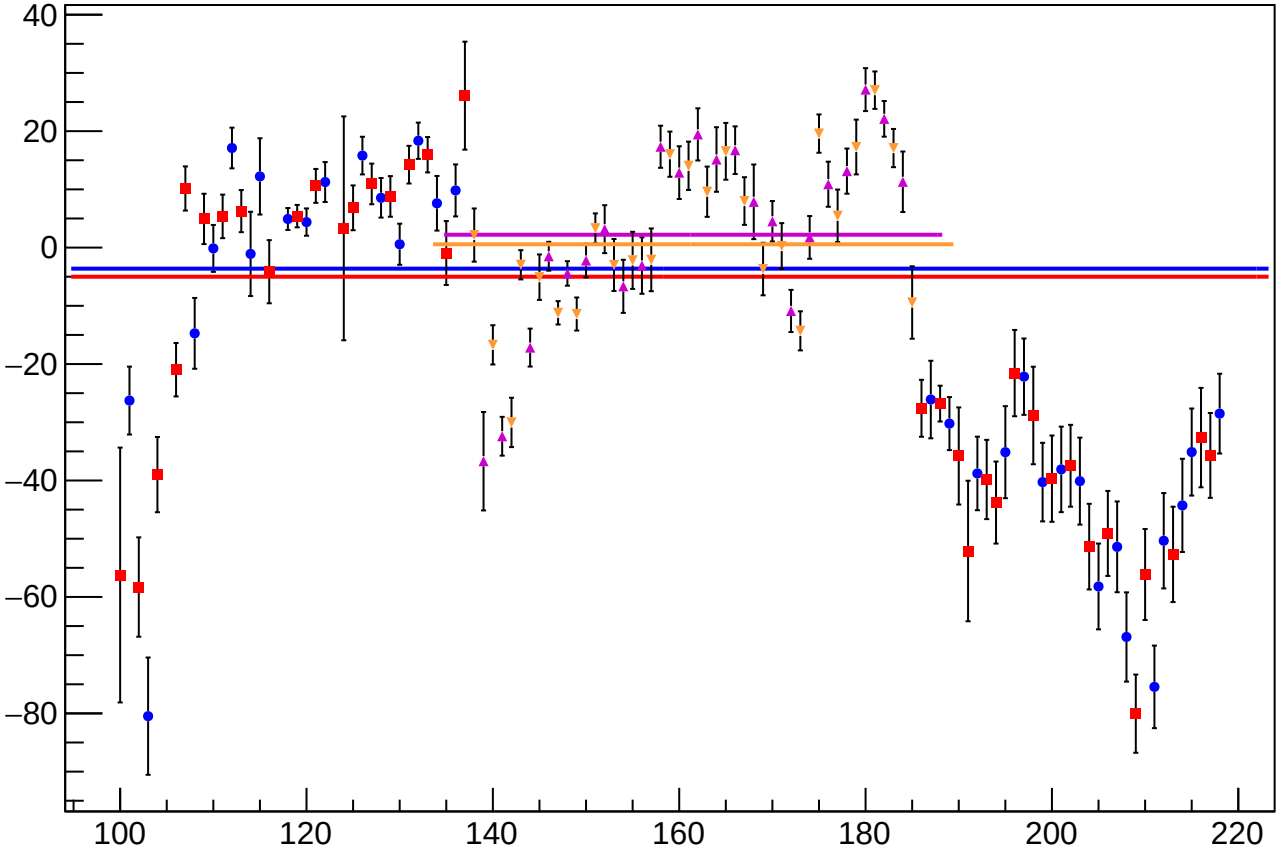
Left In: 221.923+/-1.003 χ^2/NDF:1986.7/22

+ sign 189.336+/-0.563 χ^2/NDF: 12126.5/56

All: 190.667+/-0.394 χ^2/NDF: 25710.4/115

- sign 191.949+/-0.553 χ^2/NDF: 13573.0/58

reg_asym_atl_dd_diff_bpm4aY_slope vs Slug



Right In: -3.616+/-0.791 χ^2/NDF: 812.8/31

Left Out: 0.568+/-0.716 χ^2/NDF:345.4/24

Right Out: -5.001+/-0.774 χ^2/NDF: 841.2/35

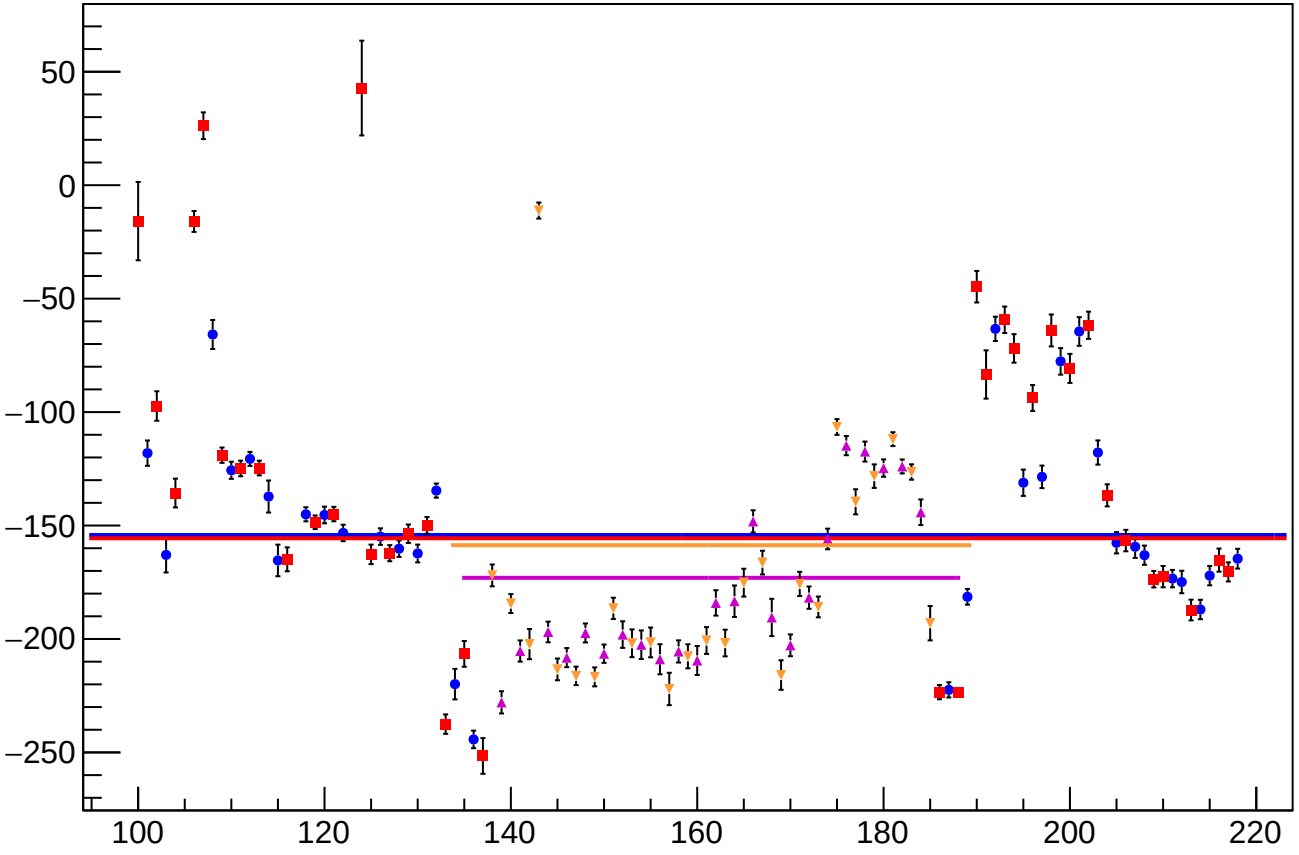
Left In: 2.210+/-0.760 χ^2/NDF:358.2/22

+ sign -1.314+/-0.531 χ^2/NDF: 1173.6/56

All: -1.322+/-0.379 χ^2/NDF: 2417.1/115

- sign -1.330+/-0.542 χ^2/NDF: 1243.5/58

reg_asym_atl_dd_diff_bpm4eX_slope vs Slug



Right In: -154.182+/-0.760 χ^2/NDF: 2473.8/31

Left Out: -158.658+/-0.951 χ^2/NDF:3491.8/24

Right Out: -155.604+/-0.711 χ^2/NDF: 6530.0/35

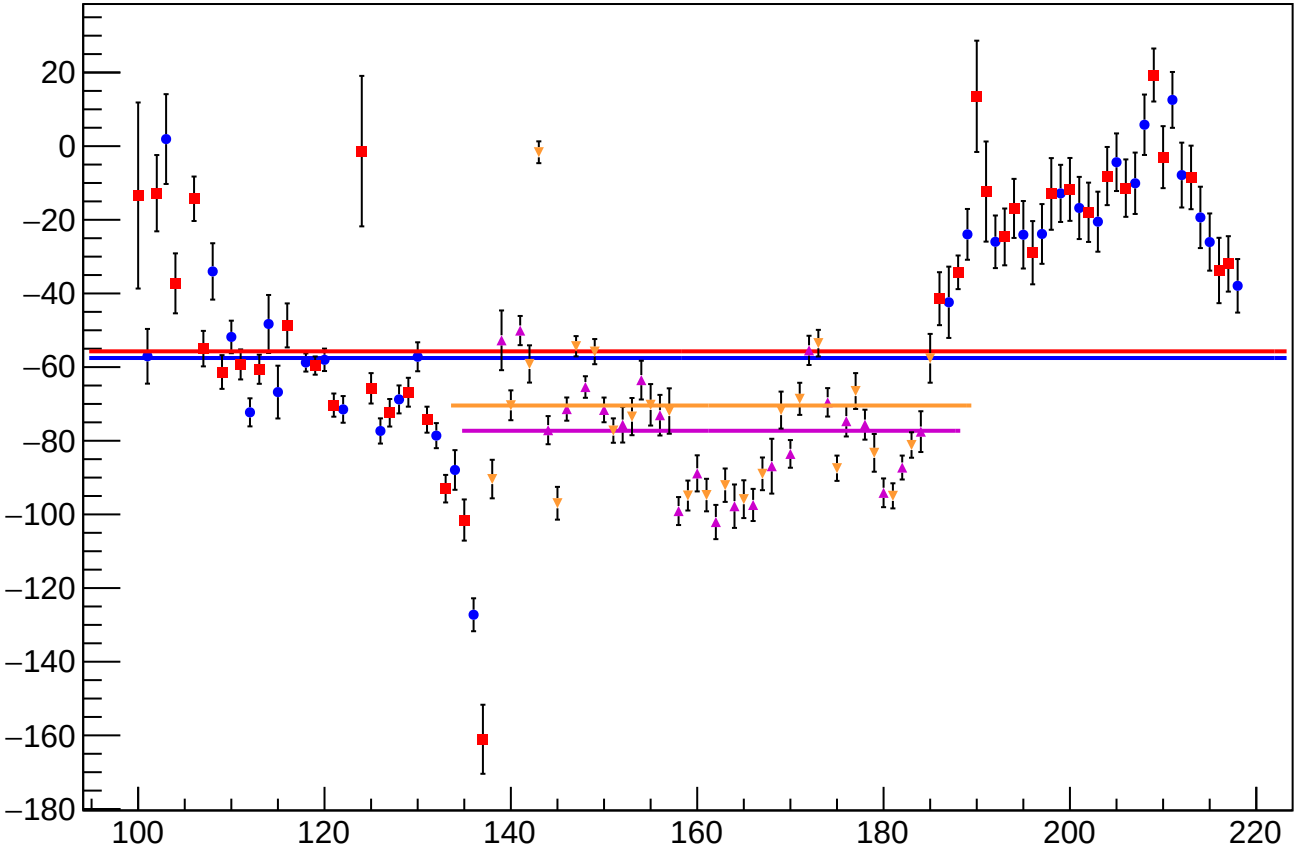
Left In: -173.043+/-0.996 χ^2/NDF:1399.9/22

+ sign -155.928+/-0.594 χ^2/NDF: 5979.1/56

All: -158.784+/-0.414 χ^2/NDF: 14157.3/115

- sign -161.499+/-0.579 χ^2/NDF: 8133.1/58

reg_asym_atl_dd_diff_bpm4eY_slope vs Slug



Right In: -57.531+/-0.918 χ^2/NDF: 876.9/31

Left Out: -70.427+/-0.821 χ^2/NDF:901.6/24

Right Out: -55.717+/-0.903 χ^2/NDF: 899.8/35

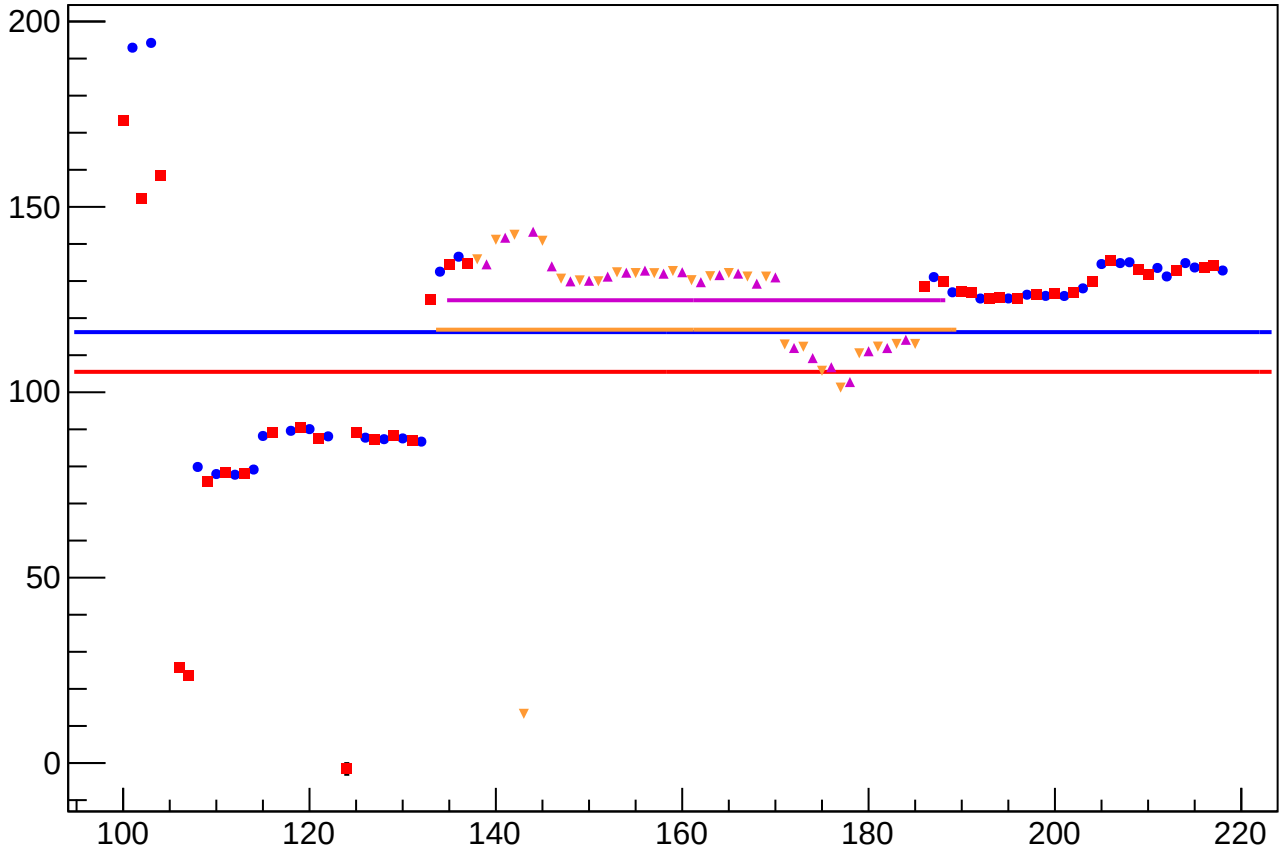
Left In: -77.288+/-0.866 χ^2/NDF:254.3/22

+ sign -64.694+/-0.612 χ^2/NDF: 1888.2/56

All: -65.802+/-0.437 χ^2/NDF: 3346.3/115

- sign -66.957+/-0.625 χ^2/NDF: 1451.4/58

reg_asym_atl_dd_diff_bpm12X_slope vs Slug



Right In: 116.221+/-0.052 χ^2/NDF: 291099.2/31

Left Out: 116.881+/-0.038 χ^2/NDF:623110.0/24

Right Out: 105.509+/-0.049 χ^2/NDF: 545150.8/35

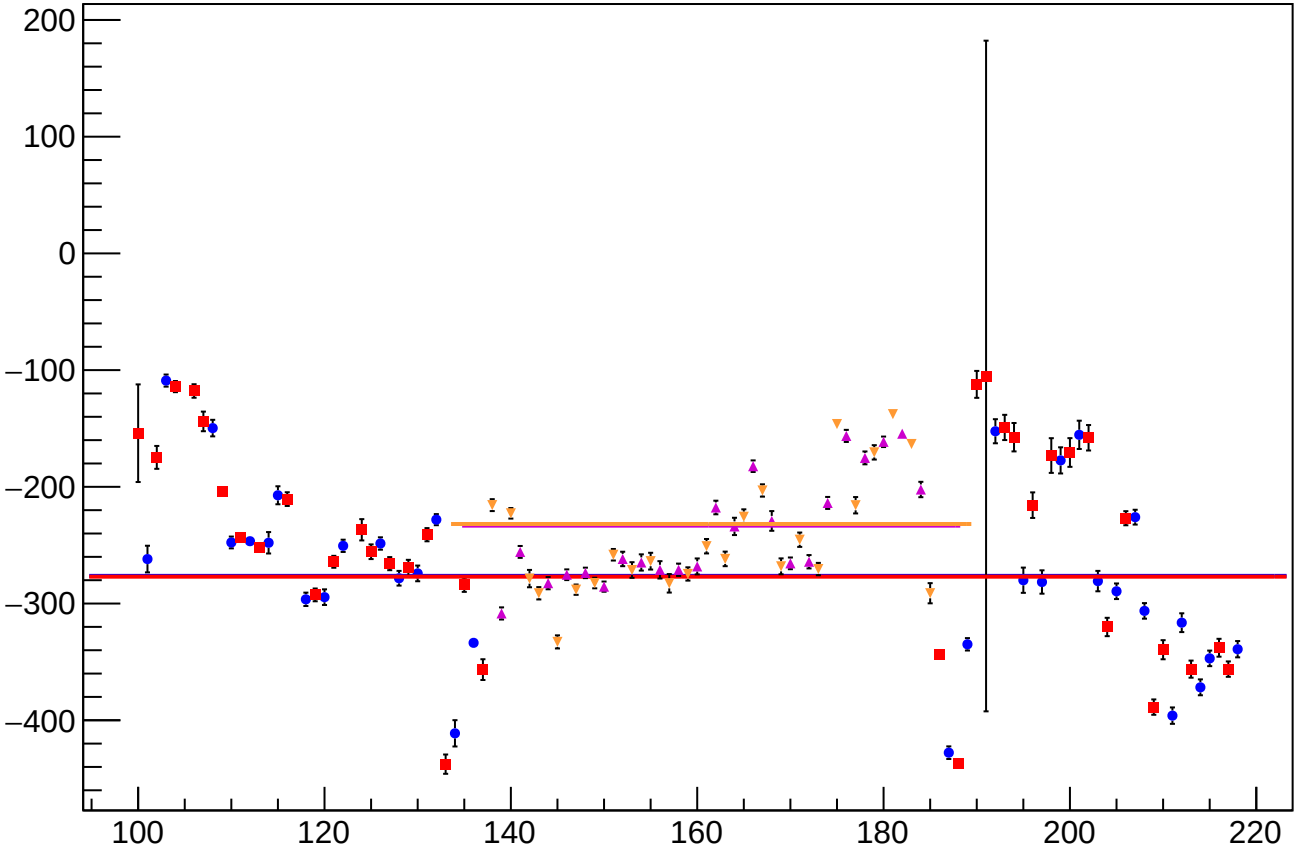
Left In: 124.819+/-0.039 χ^2/NDF:88116.2/22

+ sign 116.652+/-0.031 χ^2/NDF: 914313.2/56

All: 116.973+/-0.022 χ^2/NDF: 1641753.2/115

- sign 117.293+/-0.031 χ^2/NDF: 727223.2/58

reg_asym_atr_avg_diff_bpm1X_slope vs Slug



Right In: -276.297+/-1.133 χ^2/NDF: 4069.4/31

Left Out: -231.847+/-1.080 χ^2/NDF:2676.6/24

Right Out: -276.974+/-1.034 χ^2/NDF: 8254.0/35

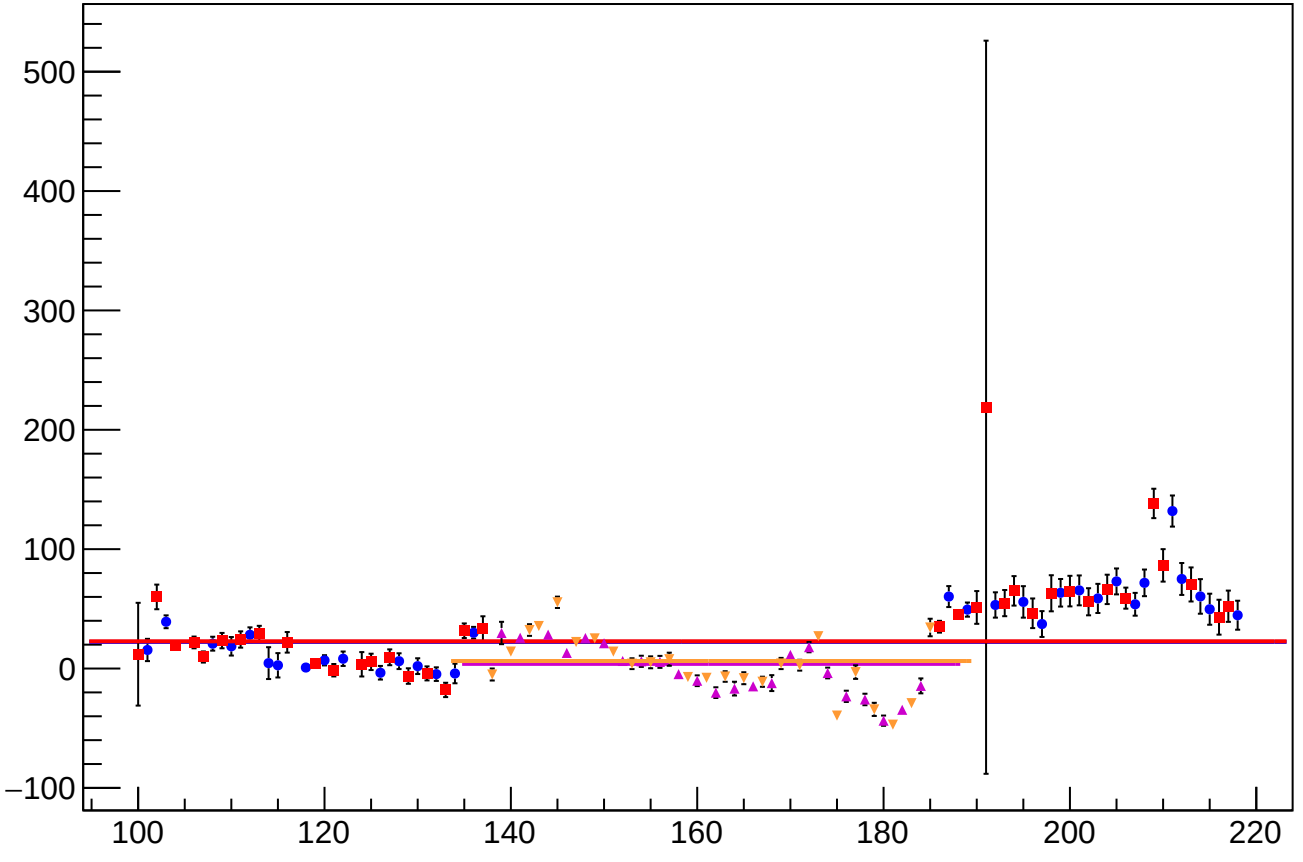
Left In: -233.258+/-1.108 χ^2/NDF:2067.0/22

+ sign -253.008+/-0.782 χ^2/NDF: 7552.1/56

All: -254.869+/-0.543 χ^2/NDF: 18716.2/115

- sign -256.610+/-0.756 χ^2/NDF: 11153.1/58

reg_asym_atr_avg_diff_bpm4aY_slope vs Slug



Right In: 22.304+/-1.287 χ^2/NDF: 388.3/31

Left Out: 6.288+/-0.789 χ^2/NDF:871.5/24

Right Out: 22.808+/-1.170 χ^2/NDF: 426.3/35

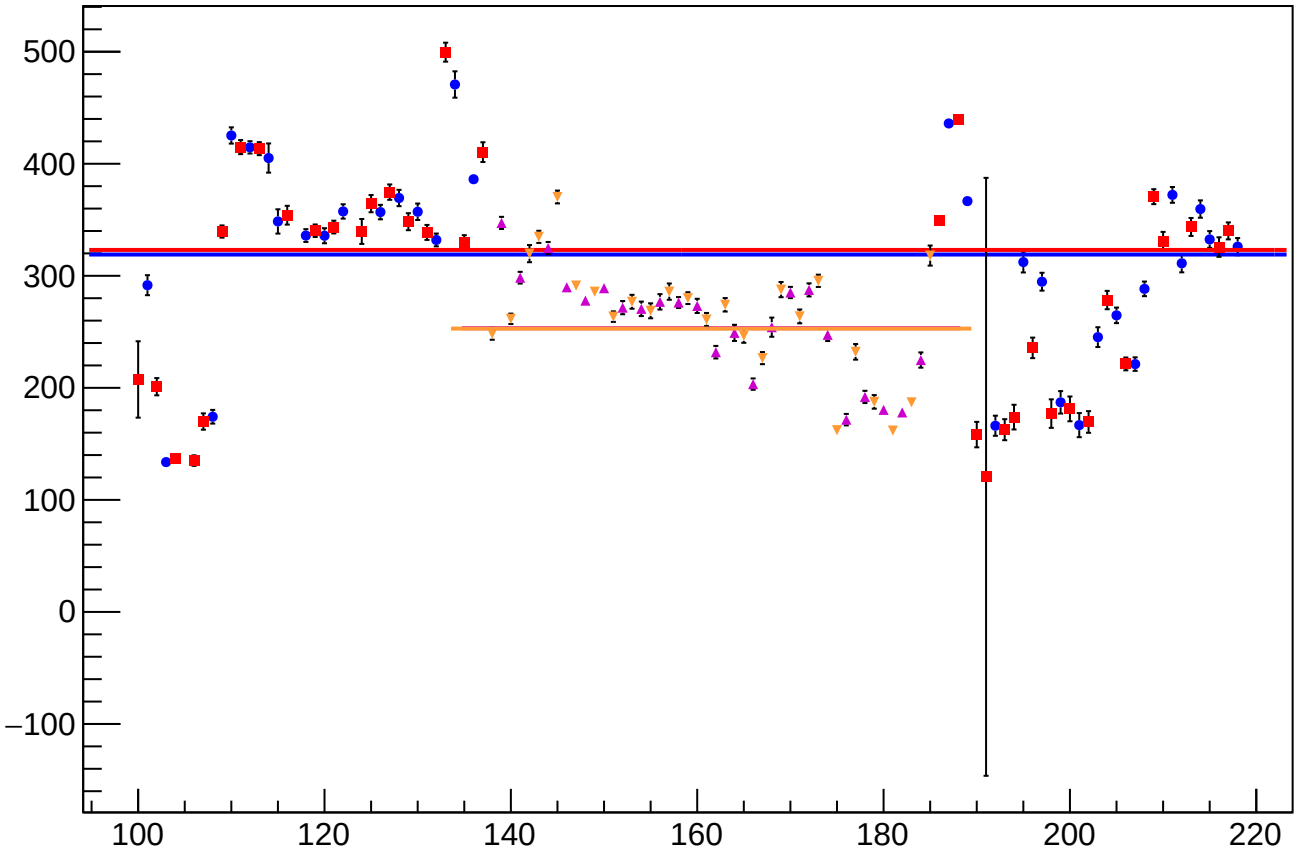
Left In: 3.906+/-0.818 χ^2/NDF:650.3/22

\+ sign 10.665+/-0.673 χ^2/NDF: 1372.3/56

All: 10.387+/-0.475 χ^2/NDF: 2624.4/115

\- sign 10.111+/-0.671 χ^2/NDF: 1251.8/58

reg_asym_atr_avg_diff_bpm4eX_slope vs Slug



Right In: 318.983+/-1.171 χ^2/NDF: 5778.5/31

Left Out: 252.886+/-1.070 χ^2/NDF:2579.0/24

Right Out: 323.089+/-1.036 χ^2/NDF: 10158.8/35

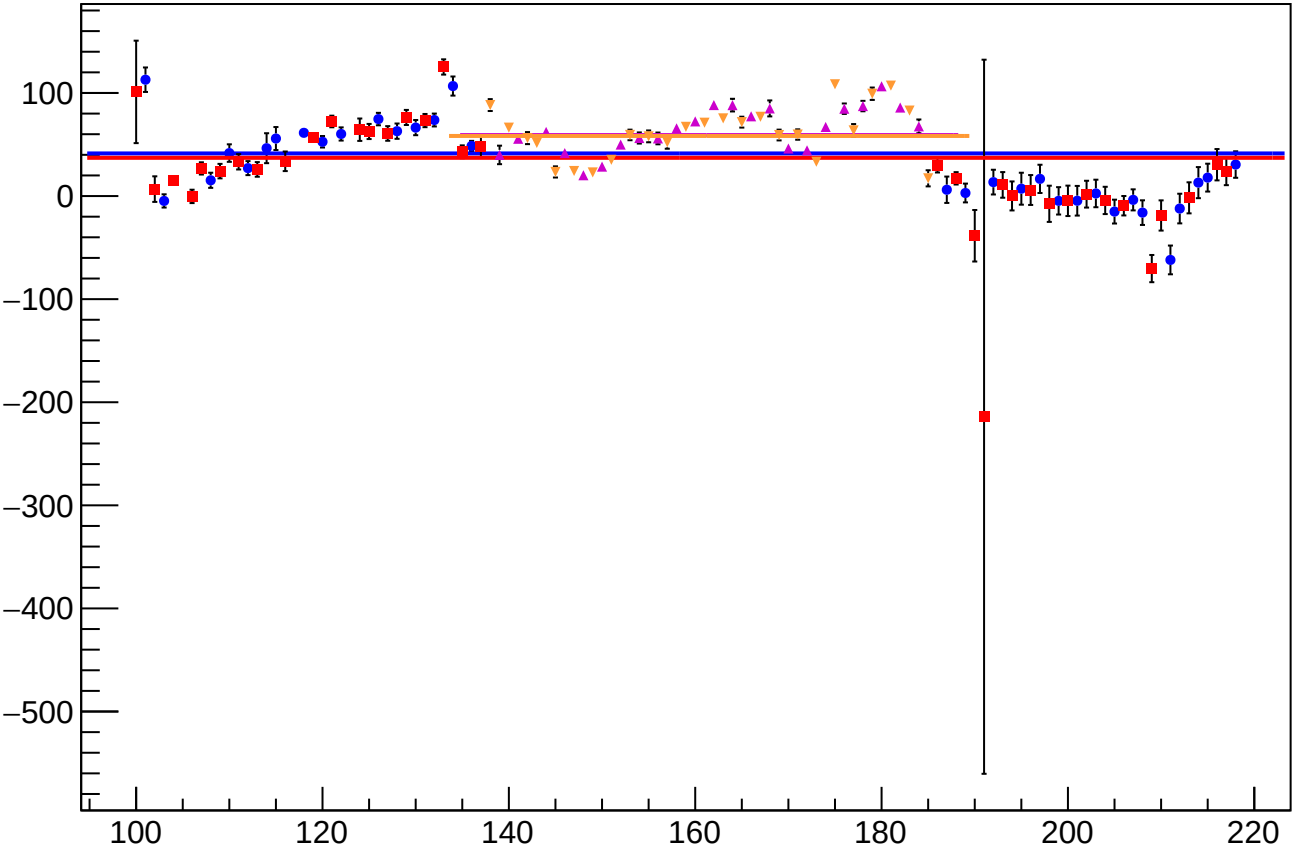
Left In: 253.248+/-1.093 χ^2/NDF:2059.7/22

+ sign 282.964+/-0.790 χ^2/NDF: 10092.5/56

All: 286.675+/-0.545 χ^2/NDF: 24502.1/115

- sign 290.037+/-0.752 χ^2/NDF: 14367.6/58

reg_asym_atr_avg_diff_bpm4eY_slope vs Slug



Right In: 41.346+/-1.495 χ^2/NDF: 480.1/31

Left Out: 58.306+/-0.911 χ^2/NDF:850.2/24

Right Out: 37.103+/-1.395 χ^2/NDF: 543.8/35

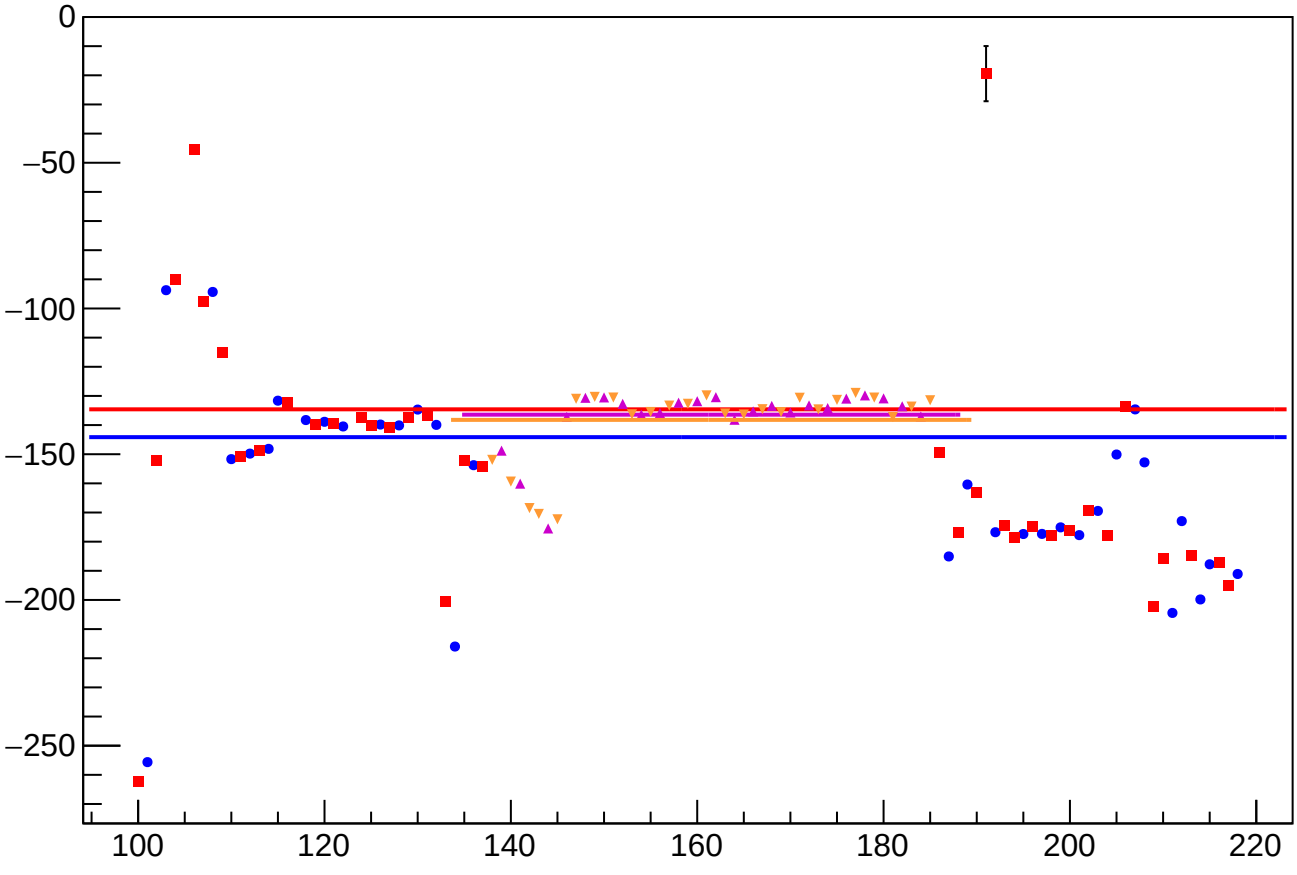
Left In: 59.151+/-0.938 χ^2/NDF:632.4/22

+ sign 53.712+/-0.778 χ^2/NDF: 1424.1/56

All: 52.998+/-0.550 χ^2/NDF: 2774.0/115

- sign 52.283+/-0.779 χ^2/NDF: 1348.2/58

reg_asym_atr_avg_diff_bpm12X_slope vs Slug



Right In: -144.143+/-0.073 χ^2/NDF: 259688.5/31

Left Out: -138.218+/-0.042 χ^2/NDF:81828.6/24

Right Out: -134.597+/-0.070 χ^2/NDF: 366066.6/35

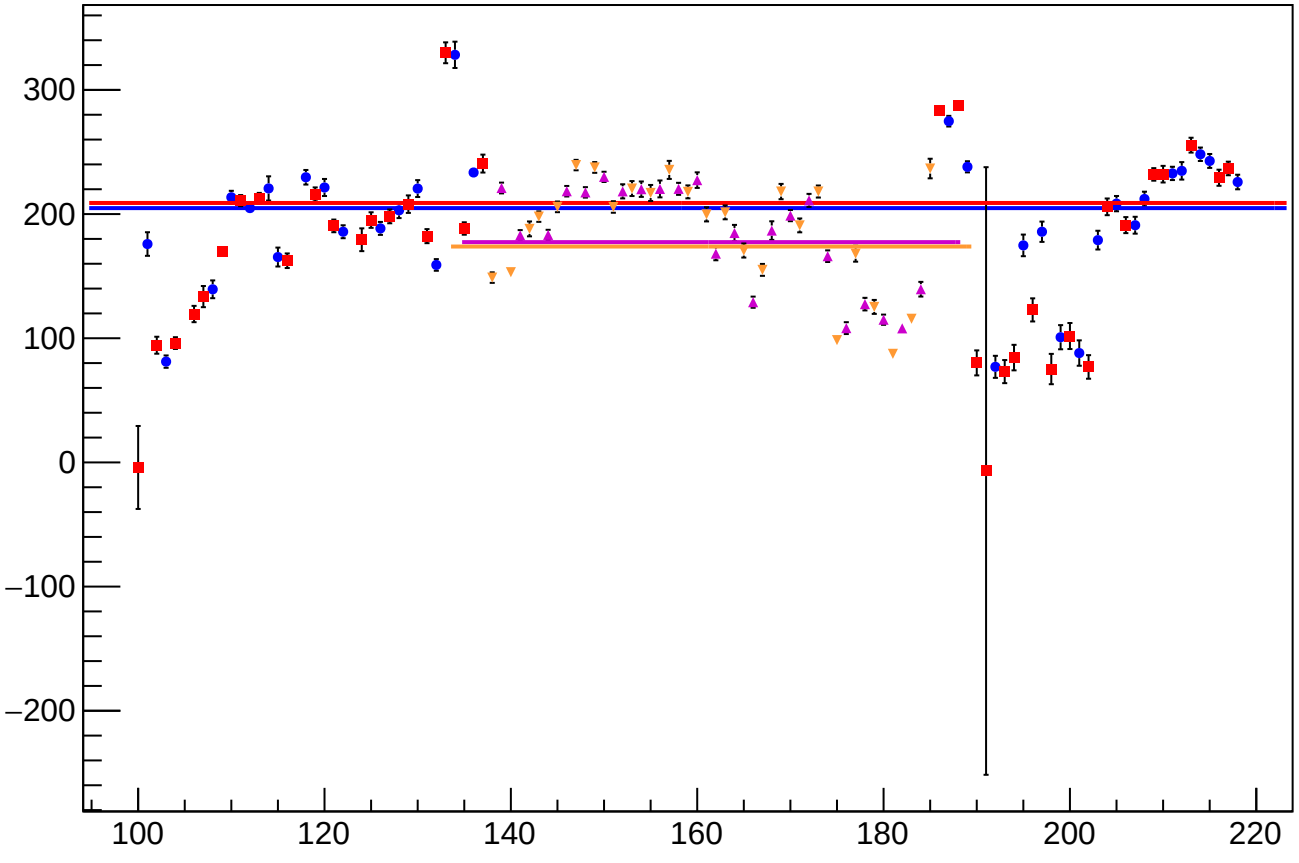
Left In: -136.429+/-0.043 χ^2/NDF:49792.9/22

+ sign -139.707+/-0.037 χ^2/NDF: 346402.8/56

All: -137.804+/-0.026 χ^2/NDF: 768083.1/115

- sign -135.927+/-0.037 χ^2/NDF: 416360.3/58

reg_asym_atr_dd_diff_bpm1X_slope vs Slug



Right In: 204.797+/-1.045 χ^2/NDF: 2068.4/31

Left Out: 173.862+/-0.962 χ^2/NDF:2627.6/24

Right Out: 208.948+/-0.955 χ^2/NDF: 4344.5/35

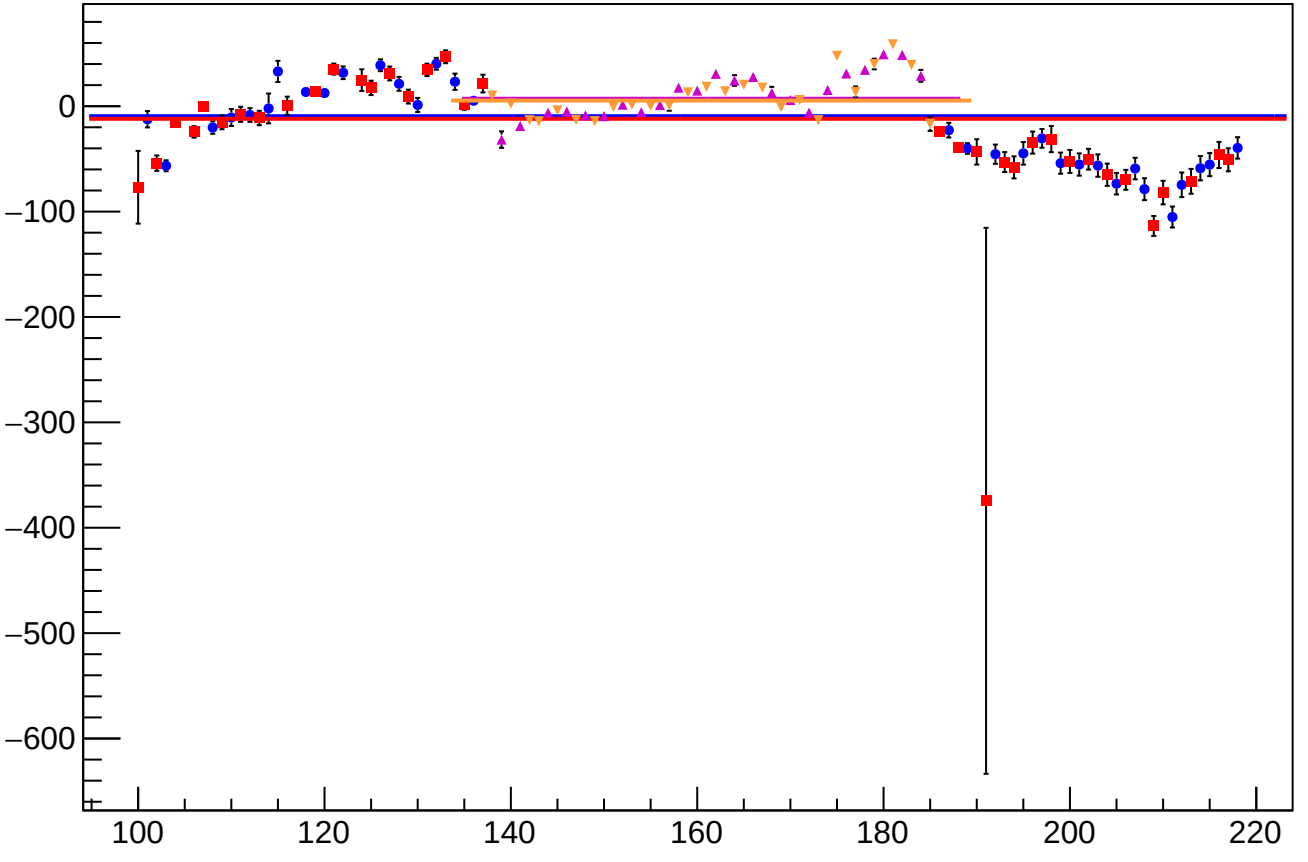
Left In: 177.403+/-0.996 χ^2/NDF:1963.0/22

\+ sign 188.047+/-0.708 χ^2/NDF: 5170.1/56

All: 191.015+/-0.494 χ^2/NDF: 12034.6/115

\- sign 193.829+/-0.689 χ^2/NDF: 6830.3/58

reg_asym_atr_dd_diff_bpm4aY_slope vs Slug



Right In: -9.507+/-1.219 χ^2/NDF: 830.0/31

Left Out: 5.363+/-0.710 χ^2/NDF:810.0/24

Right Out: -11.933+/-1.108 χ^2/NDF: 871.8/35

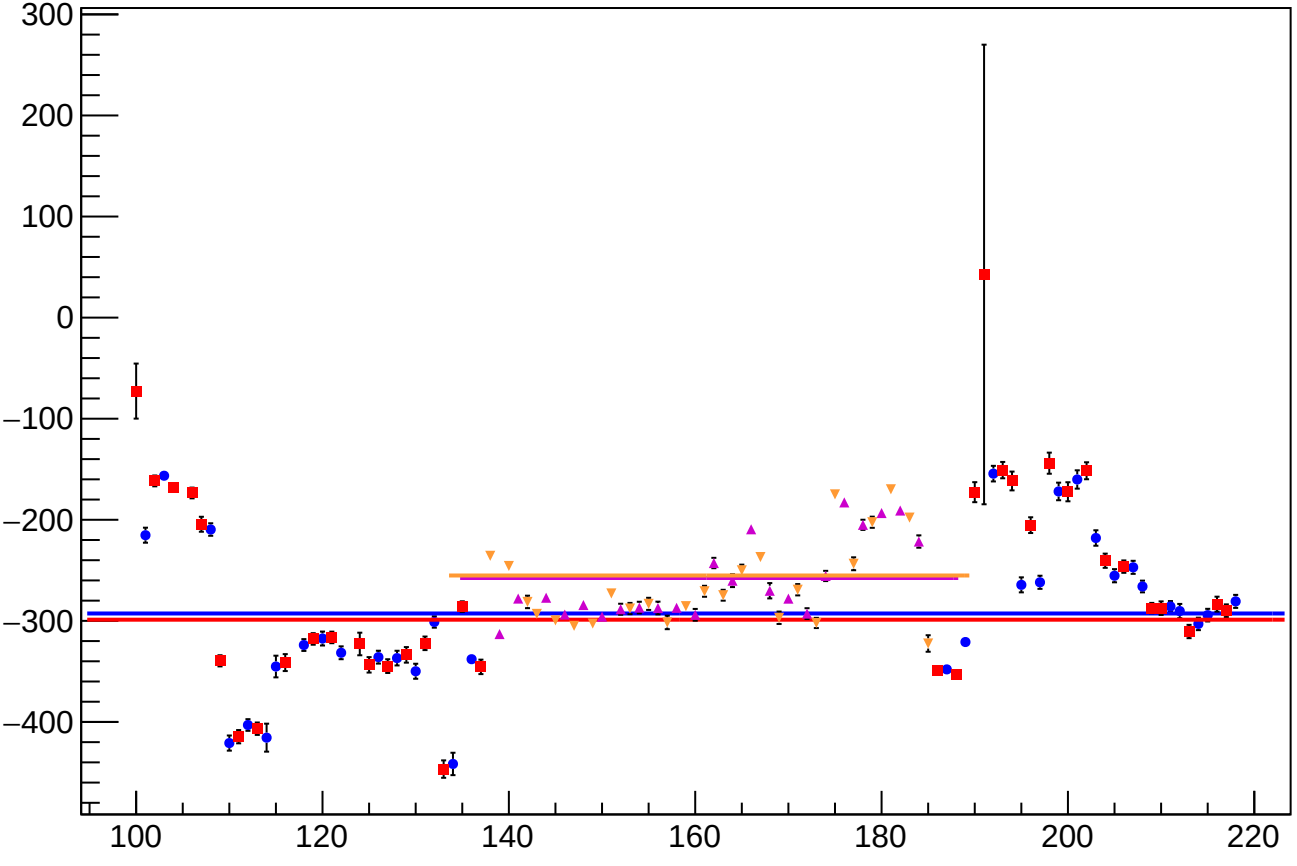
Left In: 7.061+/-0.741 χ^2/NDF:709.7/22

+ sign 1.594+/-0.614 χ^2/NDF: 1751.0/56

All: 1.392+/-0.435 χ^2/NDF: 3535.7/115

- sign 1.189+/-0.616 χ^2/NDF: 1784.4/58

reg_asym_atr_dd_diff_bpm4eX_slope vs Slug



Right In: -292.702+/-1.061 χ^2/NDF: 4109.6/31

Left Out: -255.122+/-0.956 χ^2/NDF:2344.8/24

Right Out: -298.849+/-0.934 χ^2/NDF: 6721.0/35

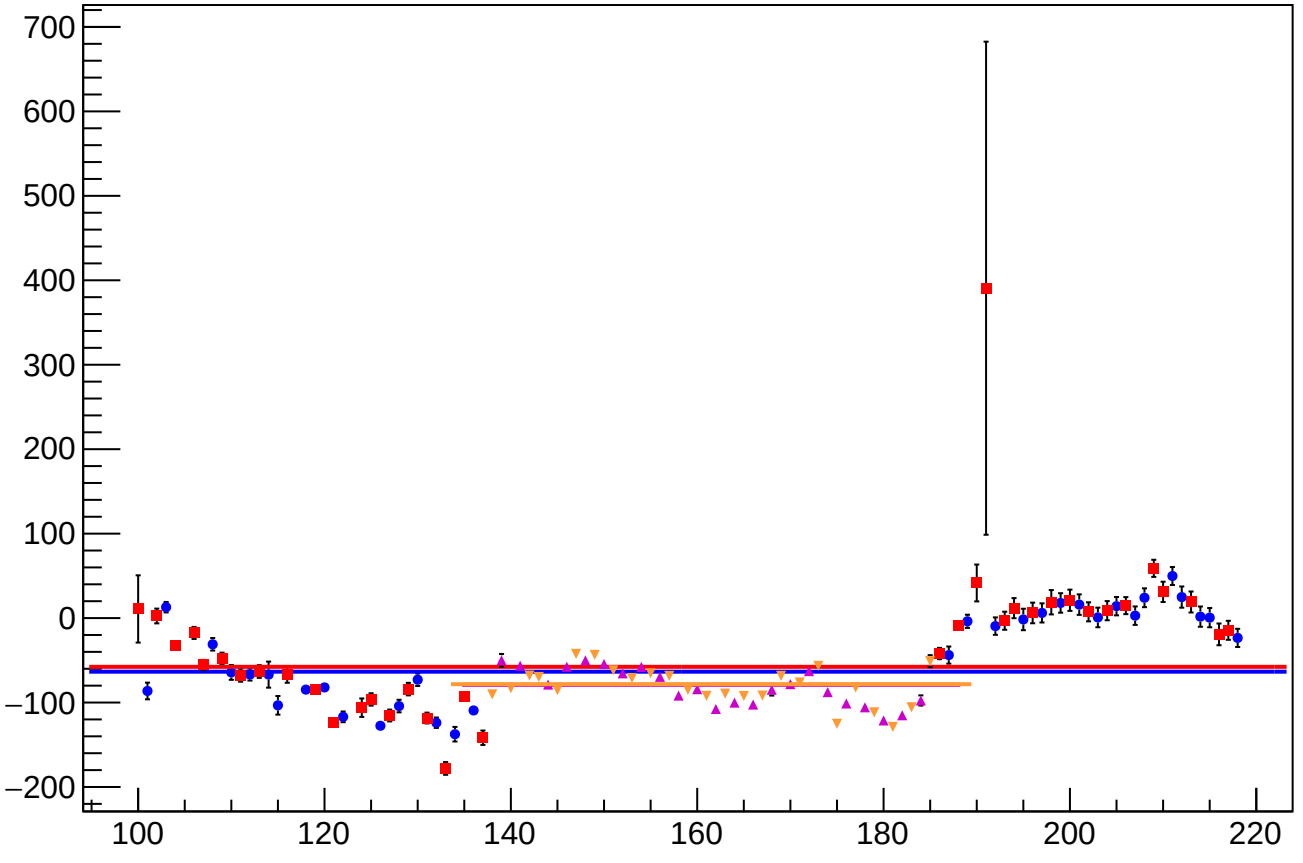
Left In: -257.600+/-0.985 χ^2/NDF:1808.1/22

+ sign -271.973+/-0.710 χ^2/NDF: 7146.9/56

All: -275.811+/-0.490 χ^2/NDF: 16655.1/115

- sign -279.308+/-0.678 χ^2/NDF: 9452.3/58

reg_asym_atr_dd_diff_bpm4eY_slope vs Slug



Right In: -63.462+/-1.415 χ^2/NDF: 1395.5/31

Left Out: -78.292+/-0.819 χ^2/NDF:868.2/24

Right Out: -57.708+/-1.325 χ^2/NDF: 1552.5/35

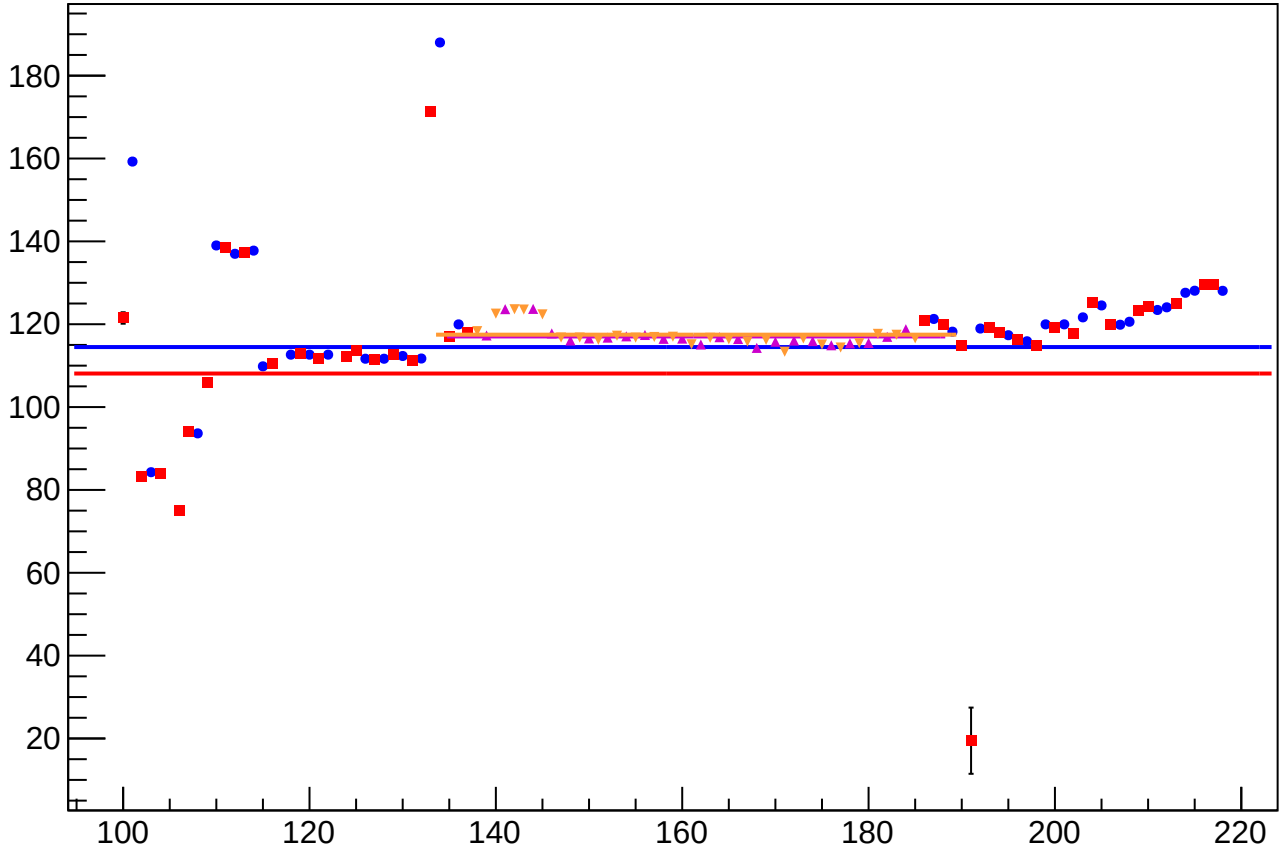
Left In: -79.066+/-0.849 χ^2/NDF:702.6/22

\+ sign -74.571+/-0.709 χ^2/NDF: 2346.0/56

All: -73.718+/-0.503 χ^2/NDF: 4788.4/115

\- sign -72.850+/-0.715 χ^2/NDF: 2439.4/58

reg_asym_atr_dd_diff_bpm12X_slope vs Slug



Right In: 114.488+/-0.067 χ^2/NDF: 89566.7/31

Left Out: 117.477+/-0.038 χ^2/NDF:4739.3/24

Right Out: 108.099+/-0.064 χ^2/NDF: 83830.4/35

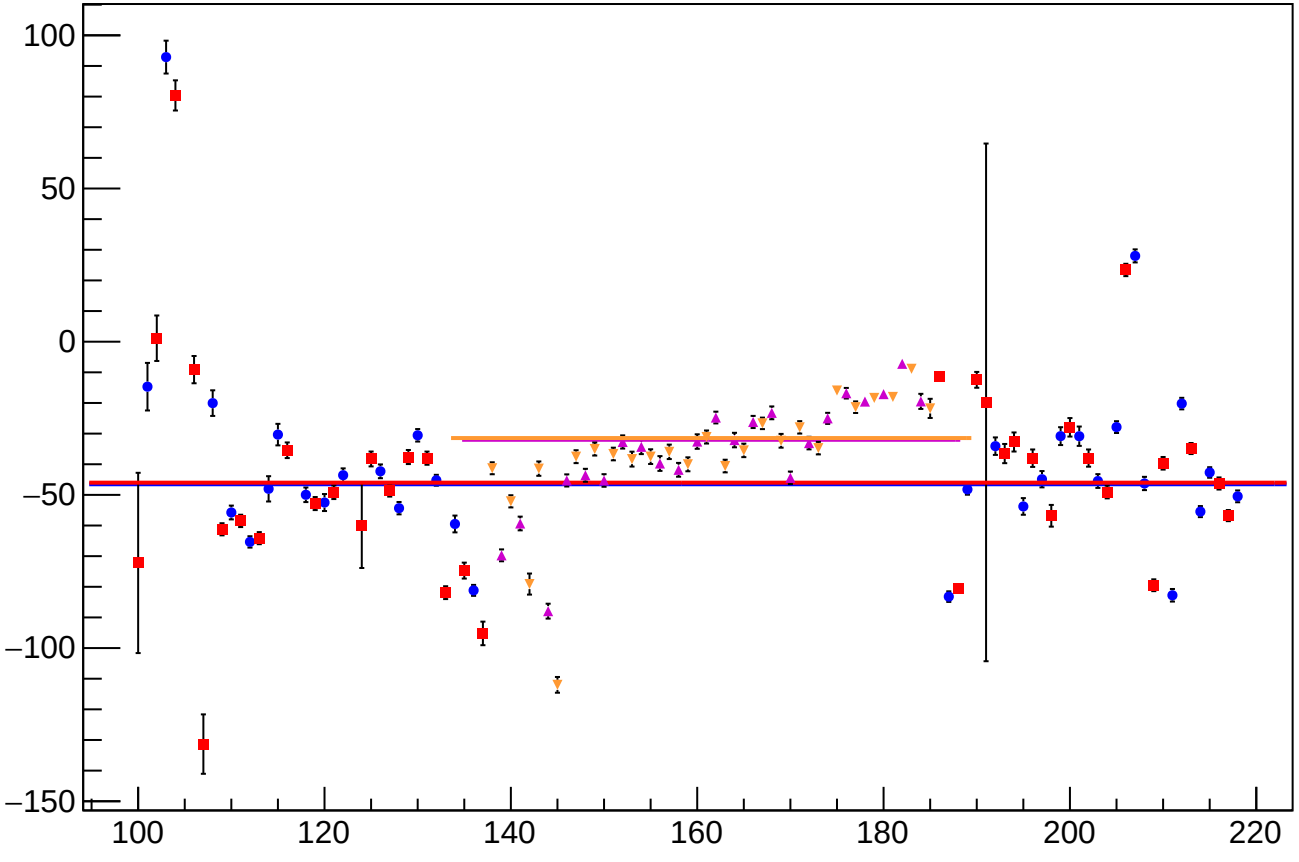
Left In: 117.046+/-0.039 χ^2/NDF:3343.0/22

+ sign 116.755+/-0.033 χ^2/NDF: 95799.1/56

All: 115.702+/-0.023 χ^2/NDF: 199366.2/115

- sign 114.652+/-0.033 χ^2/NDF: 101544.5/58

reg_asym_at1_avg_diff_bpm1X_slope vs Slug



Right In: -46.531+/-0.398 χ^2/NDF: 3747.2/31

Left Out: -31.452+/-0.399 χ^2/NDF:1992.2/24

Right Out: -46.013+/-0.371 χ^2/NDF: 5779.1/35

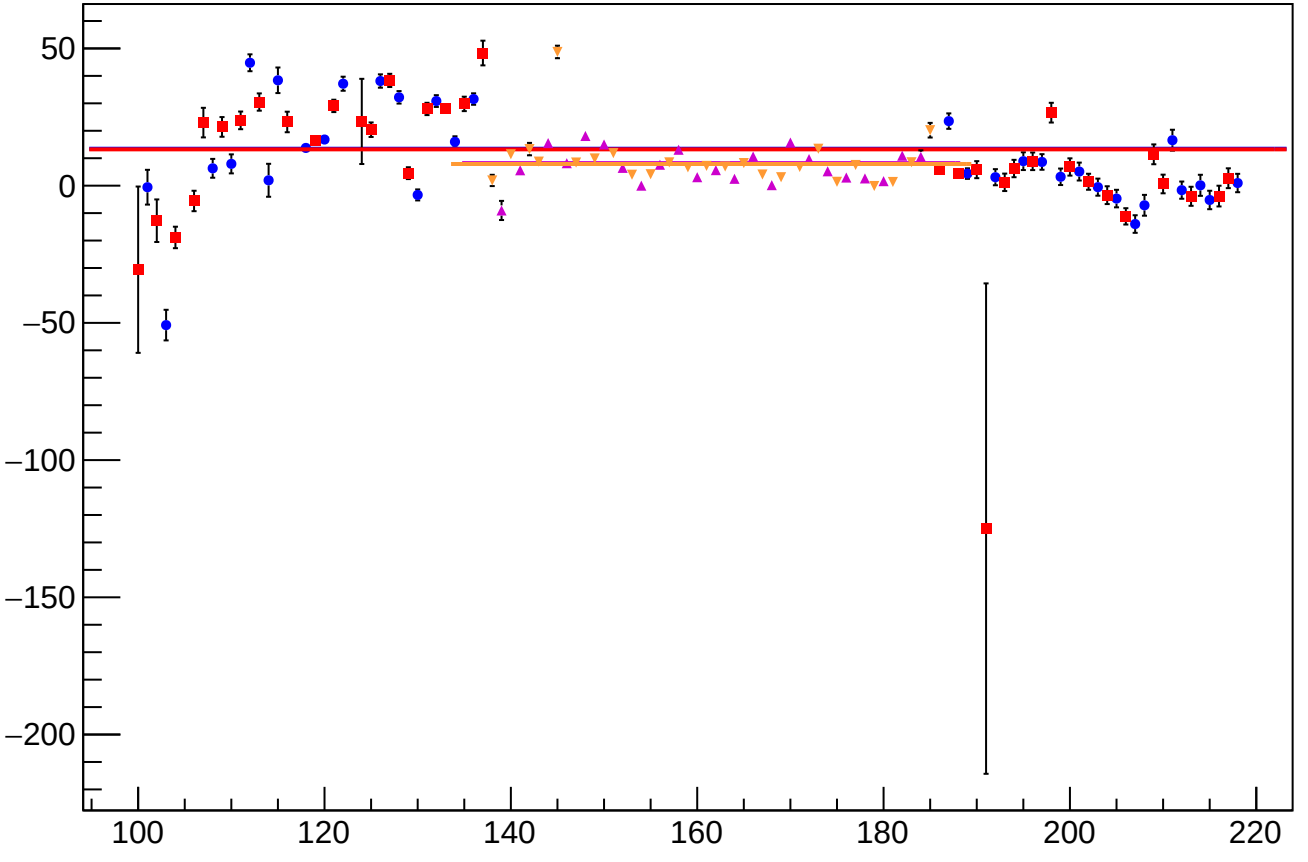
Left In: -32.015+/-0.409 χ^2/NDF:1913.4/22

\+ sign -39.002+/-0.282 χ^2/NDF: 6454.9/56

All: -39.360+/-0.197 χ^2/NDF: 14793.2/115

\- sign -39.699+/-0.275 χ^2/NDF: 8335.2/58

reg_asym_at1_avg_diff_bpm4aY_slope vs Slug



Right In: 13.459+/-0.477 χ^2/NDF: 1059.5/31

Left Out: 7.897+/-0.304 χ^2/NDF:490.5/24

Right Out: 13.228+/-0.447 χ^2/NDF: 884.6/35

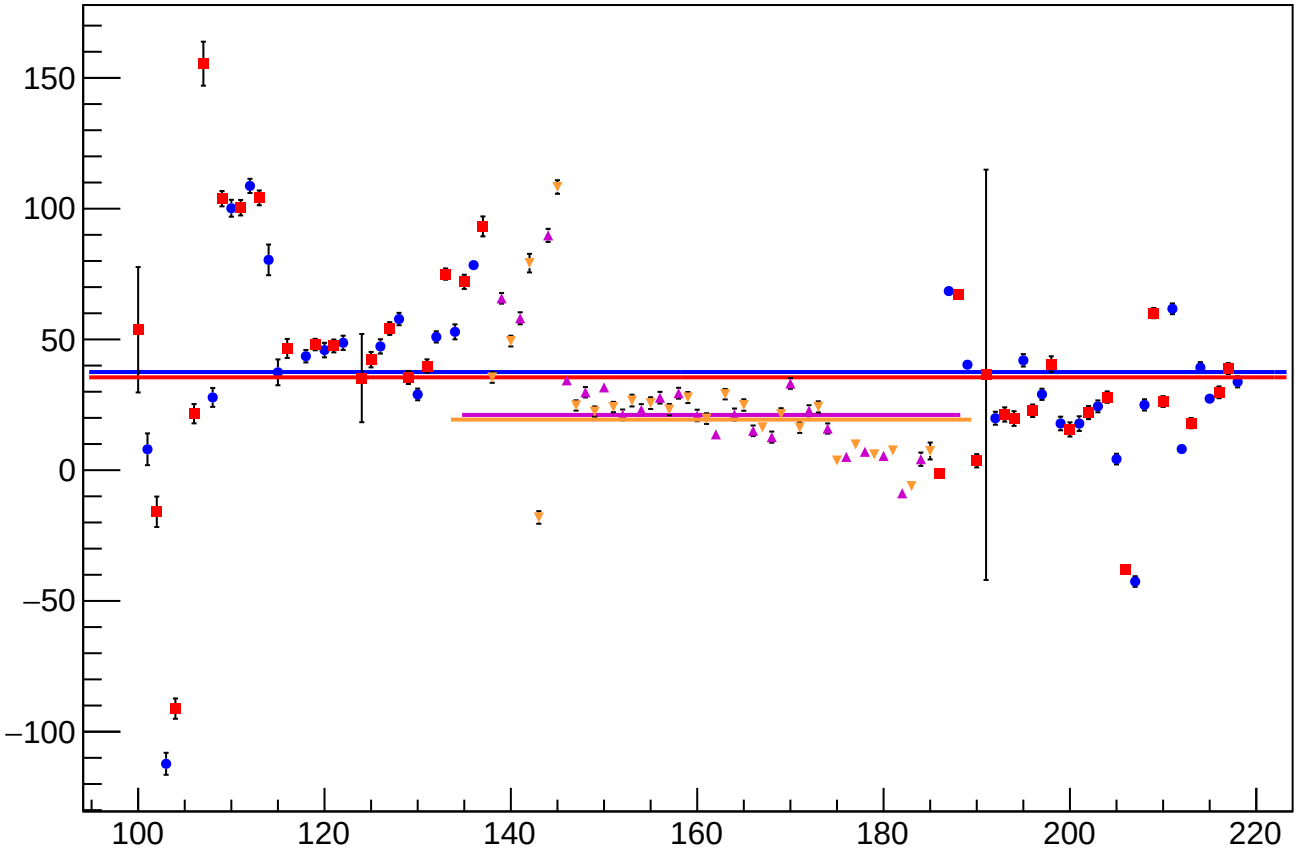
Left In: 8.223+/-0.316 χ^2/NDF:338.8/22

+ sign 9.502+/-0.256 χ^2/NDF: 1646.7/56

All: 9.693+/-0.182 χ^2/NDF: 2954.8/115

- sign 9.886+/-0.258 χ^2/NDF: 1307.0/58

reg_asym_at1_avg_diff_bpm4eX_slope vs Slug



Right In: 37.527+/-0.408 χ^2/NDF: 6090.1/31

Left Out: 19.339+/-0.396 χ^2/NDF:2682.4/24

Right Out: 35.508+/-0.362 χ^2/NDF: 9375.4/35

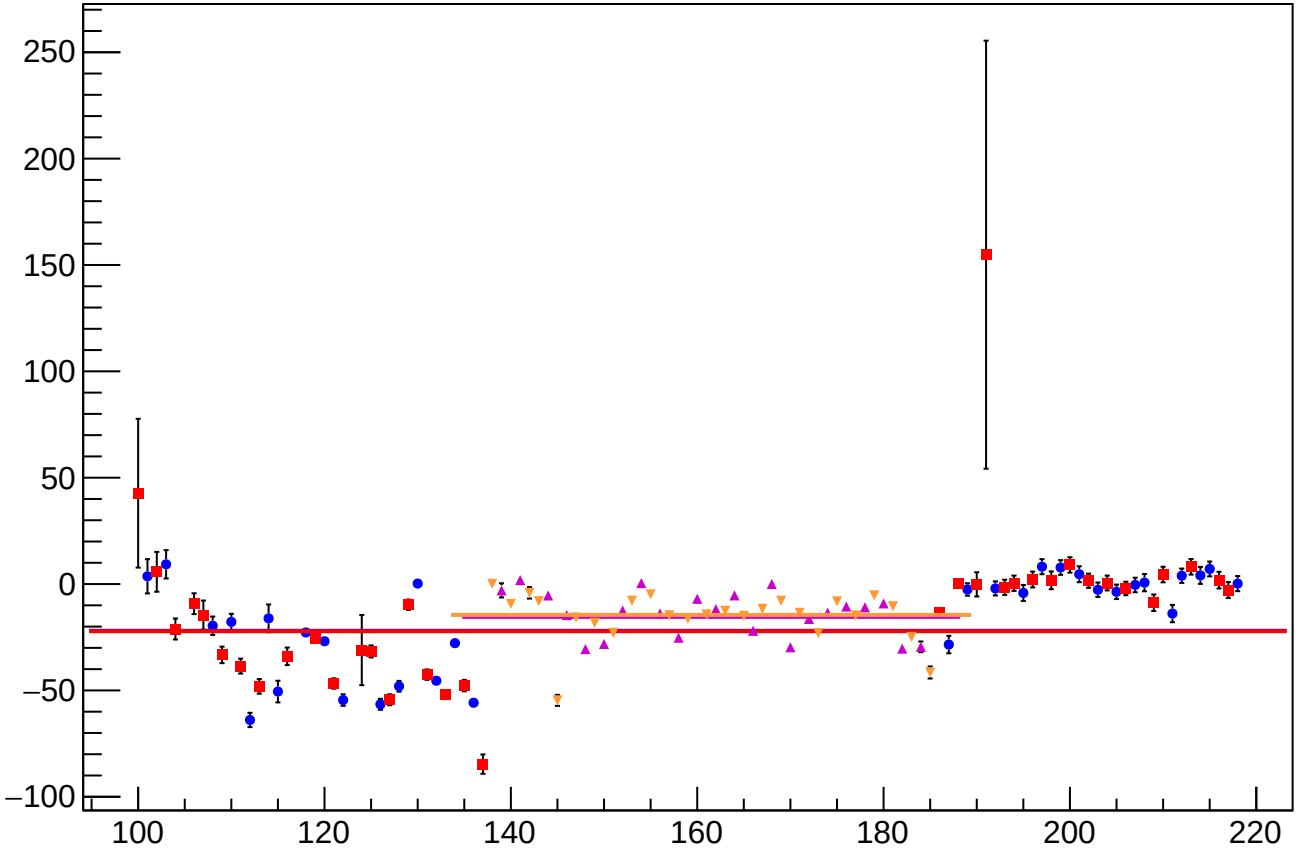
Left In: 21.124+/-0.405 χ^2/NDF:2504.8/22

\+ sign 28.145+/-0.284 χ^2/NDF: 9795.9/56

All: 28.653+/-0.196 χ^2/NDF: 22383.4/115

\- sign 29.112+/-0.270 χ^2/NDF: 12581.4/58

reg_asym_at1_avg_diff_bpm4eY_slope vs Slug



Right In: -21.988+/-0.550 χ^2/NDF: 1772.5/31

Left Out: -14.502+/-0.344 χ^2/NDF:641.0/24

Right Out: -22.165+/-0.535 χ^2/NDF: 1723.6/35

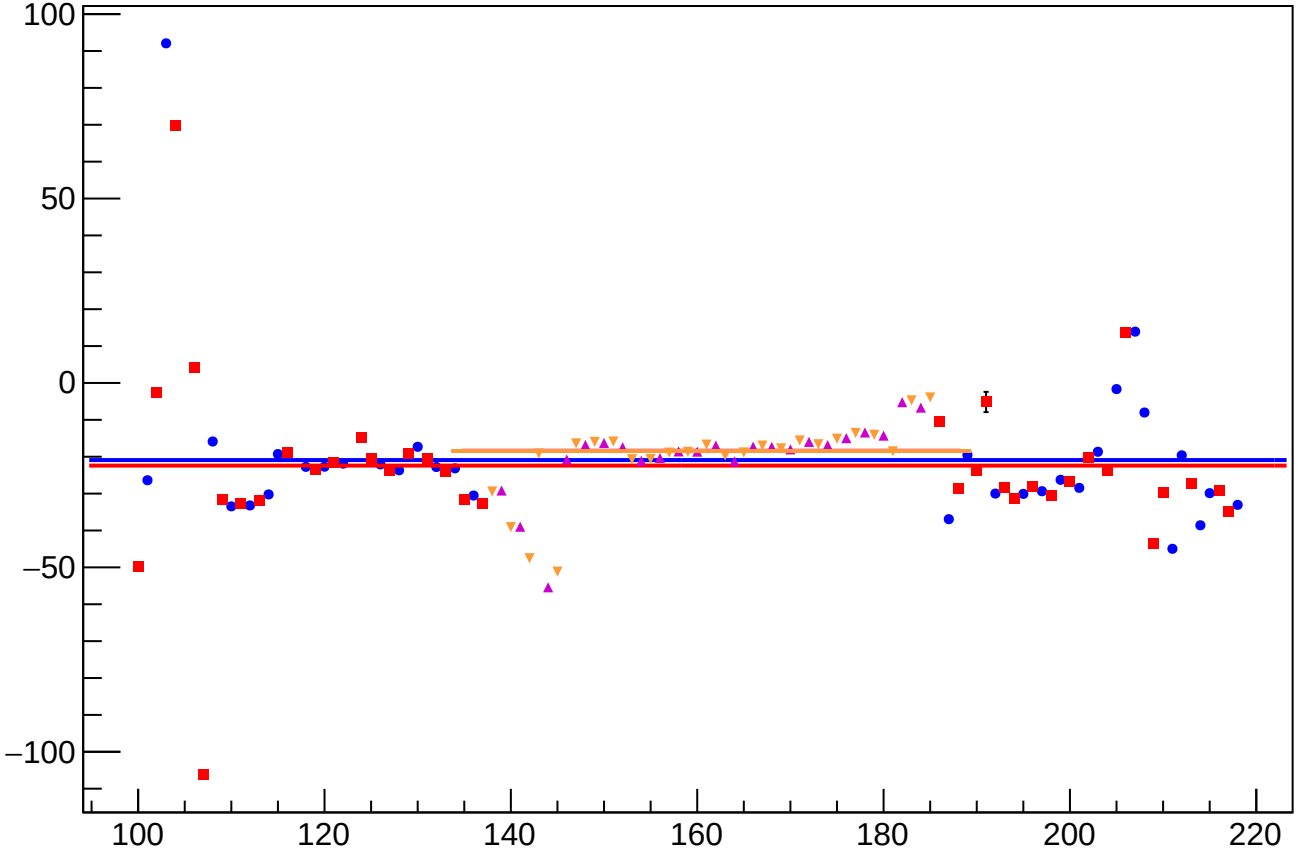
Left In: -15.417+/-0.355 χ^2/NDF:798.7/22

+ sign -16.606+/-0.292 χ^2/NDF: 2546.6/56

All: -17.037+/-0.208 χ^2/NDF: 5183.7/115

- sign -17.480+/-0.296 χ^2/NDF: 2632.6/58

reg_asym_at1_avg_diff_bpm12X_slope vs Slug



Right In: -20.906+/-0.027 χ^2/NDF: 585676.2/31

Left Out: -18.450+/-0.015 χ^2/NDF:295359.2/24

Right Out: -22.405+/-0.027 χ^2/NDF: 488048.2/35

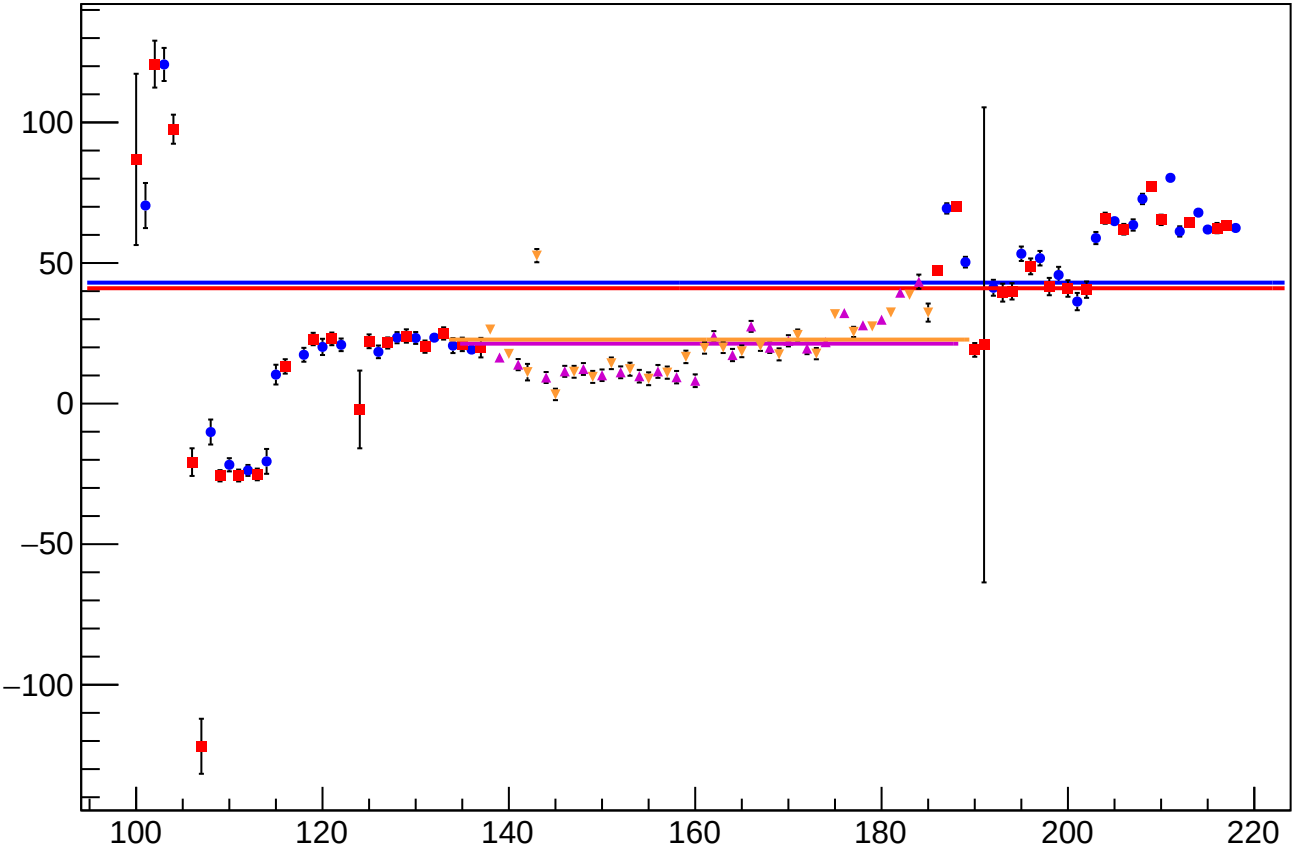
Left In: -18.378+/-0.016 χ^2/NDF:250040.9/22

+ sign -19.064+/-0.013 χ^2/NDF: 887338.2/56

All: -19.241+/-0.010 χ^2/NDF: 1642723.4/115

- sign -19.422+/-0.014 χ^2/NDF: 755033.3/58

reg_asym_at1_dd_diff_bpm1X_slope vs Slug



Right In: 43.022+/-0.385 χ^2/NDF: 5454.1/31

Left Out: 22.766+/-0.383 χ^2/NDF:722.8/24

Right Out: 41.024+/-0.371 χ^2/NDF: 6816.5/35

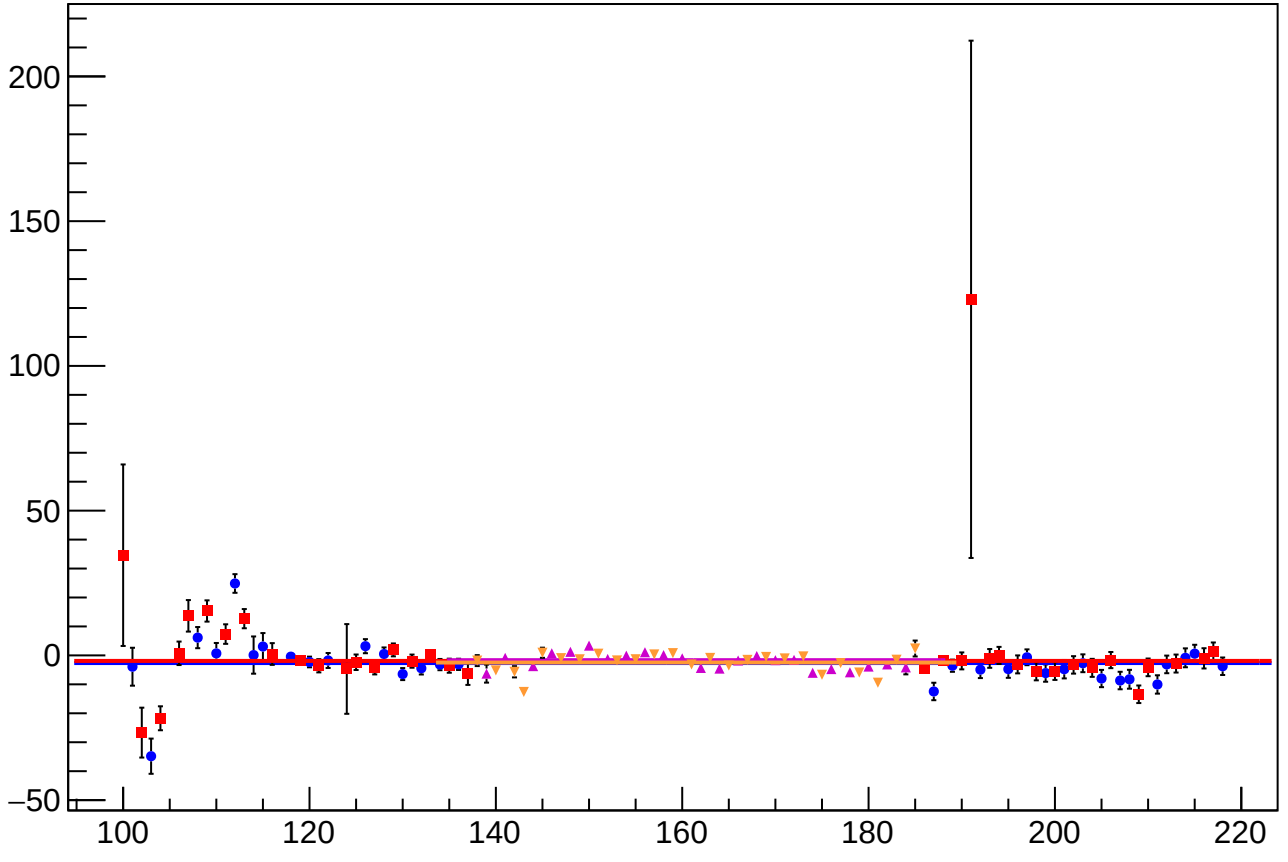
Left In: 21.325+/-0.393 χ^2/NDF:629.9/22

+ sign 32.819+/-0.272 χ^2/NDF: 7567.9/56

All: 32.271+/-0.191 χ^2/NDF: 16351.0/115

- sign 31.729+/-0.270 χ^2/NDF: 8774.9/58

reg_asym_at1_dd_diff_bpm4aY_slope vs Slug



Right In: -2.646+/-0.474 χ^2/NDF: 154.9/31

Left Out: -2.468+/-0.293 χ^2/NDF:116.7/24

Right Out: -1.907+/-0.457 χ^2/NDF: 122.8/35

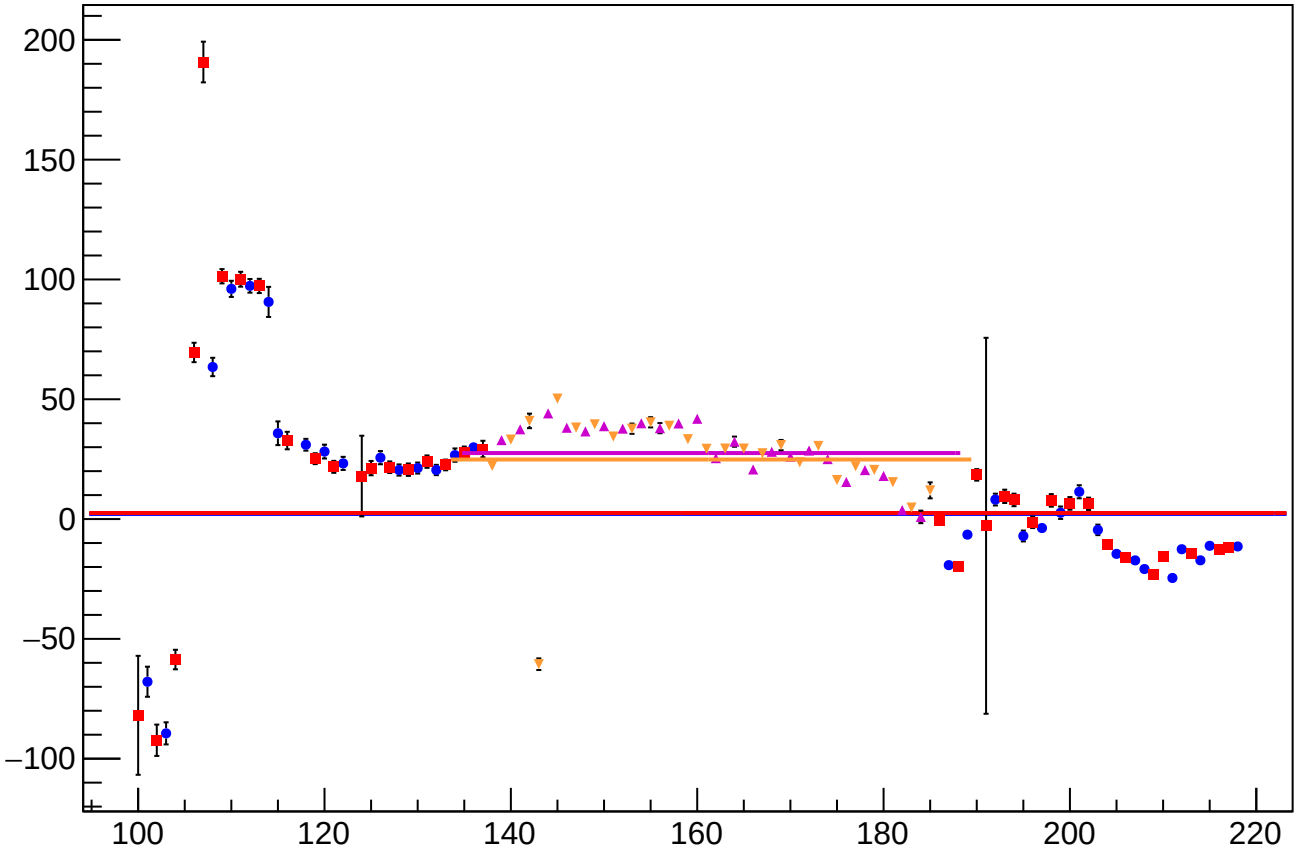
Left In: -1.659+/-0.304 χ^2/NDF:70.2/22

+ sign -2.518+/-0.249 χ^2/NDF: 271.7/56

All: -2.133+/-0.178 χ^2/NDF: 469.7/115

- sign -1.736+/-0.253 χ^2/NDF: 193.2/58

reg_asym_at1_dd_diff_bpm4eX_slope vs Slug



Right In: 2.148+/-0.397 χ^2/NDF: 4976.1/31

Left Out: 24.850+/-0.380 χ^2/NDF:2048.7/24

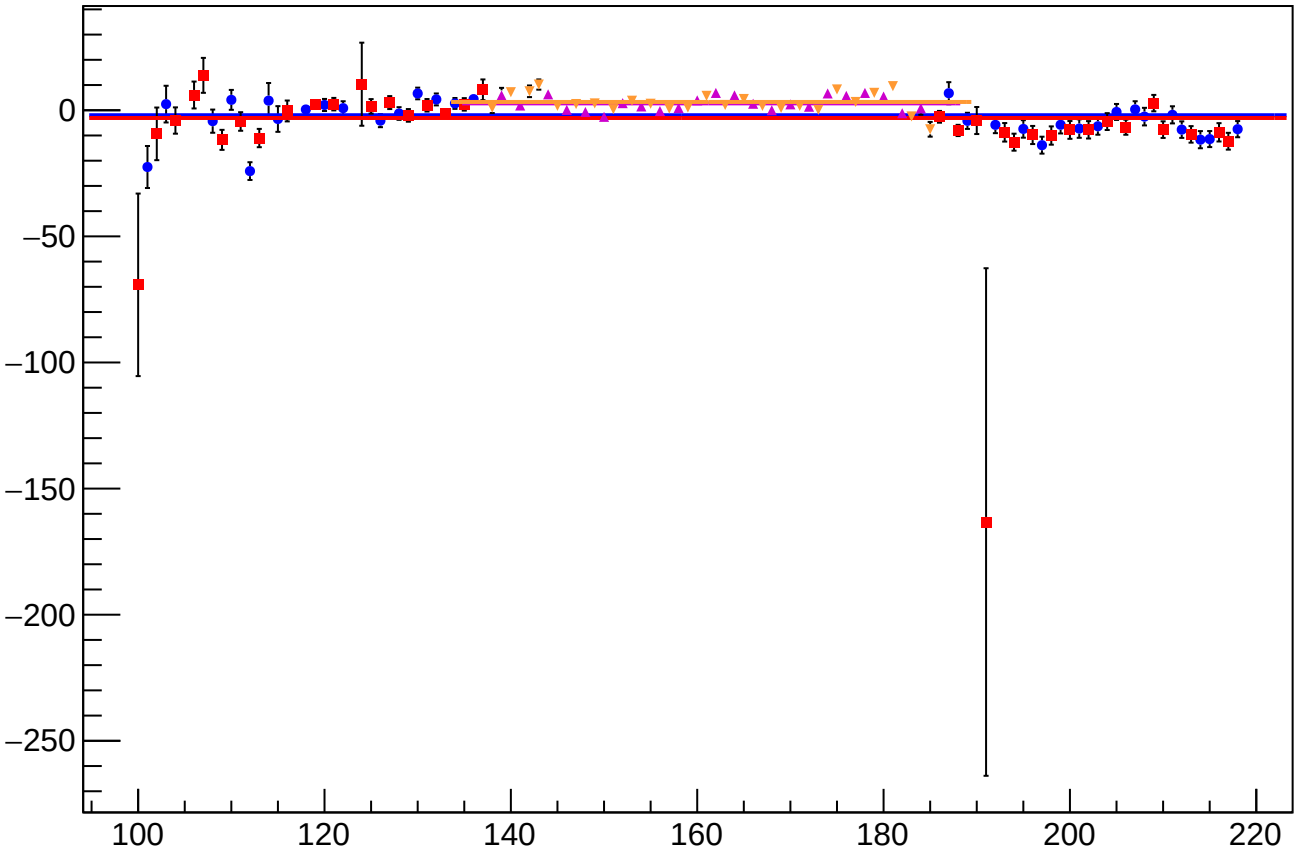
Right Out: 2.534+/-0.369 χ^2/NDF: 6424.7/35

Left In: 27.551+/-0.389 χ^2/NDF:881.9/22

+ sign 14.003+/-0.274 χ^2/NDF: 8732.3/56

All: 14.199+/-0.192 χ^2/NDF: 18217.7/115

- sign 14.386+/-0.268 χ^2/NDF: 9484.4/58



Right In: -1.972+/-0.541 χ^2/NDF: 141.6/31

Left Out: 3.287+/-0.331 χ^2/NDF:106.3/24

Right Out: -3.064+/-0.539 χ^2/NDF: 111.5/35

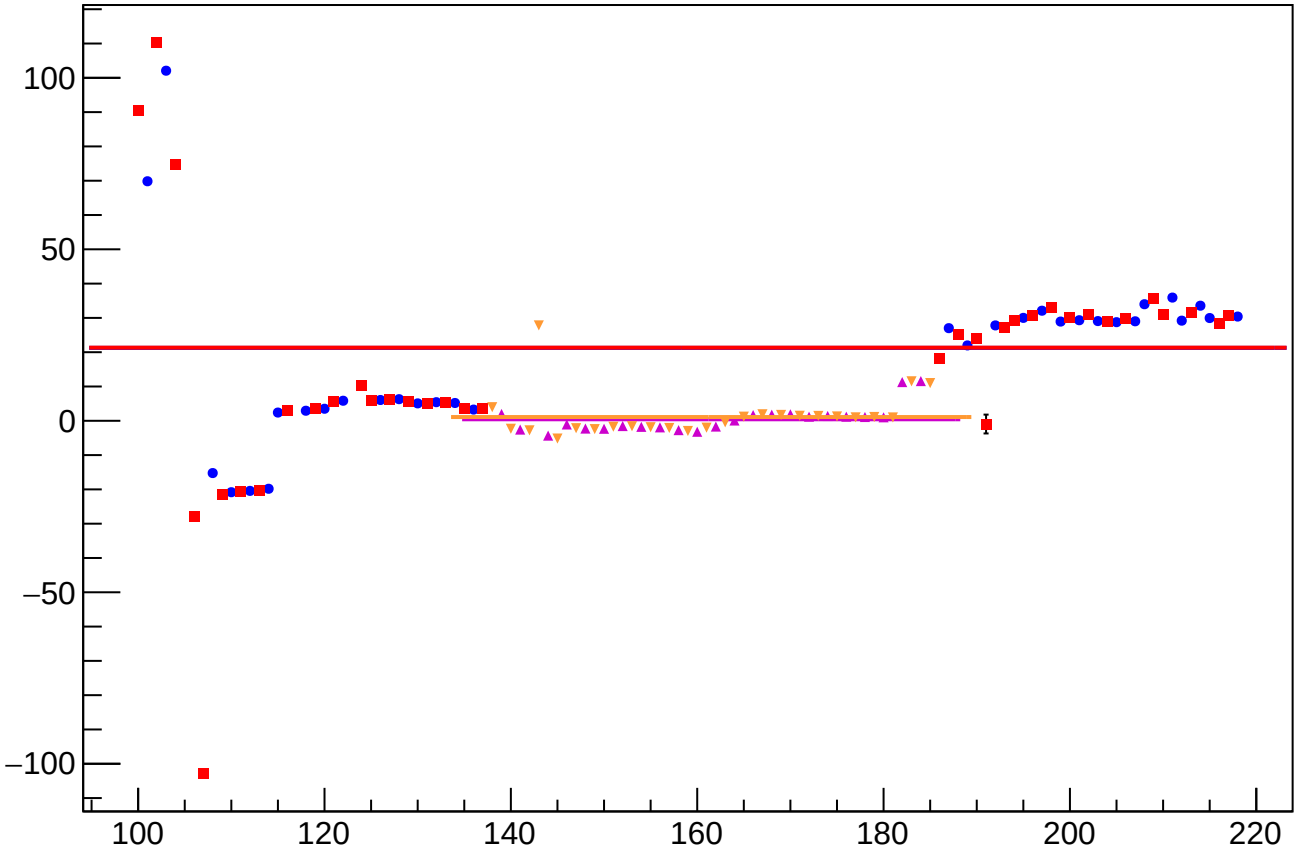
Left In: 2.730+/-0.342 χ^2/NDF:74.5/22

+ sign 1.853+/-0.283 χ^2/NDF: 316.6/56

All: 1.467+/-0.202 χ^2/NDF: 588.8/115

- sign 1.065+/-0.289 χ^2/NDF: 268.4/58

reg_asym_at1_dd_diff_bpm12X_slope vs Slug



Right In: 21.259+/-0.026 χ^2/NDF: 507278.2/31

Left Out: 1.094+/-0.015 χ^2/NDF:128801.7/24

Right Out: 21.321+/-0.026 χ^2/NDF: 646394.6/35

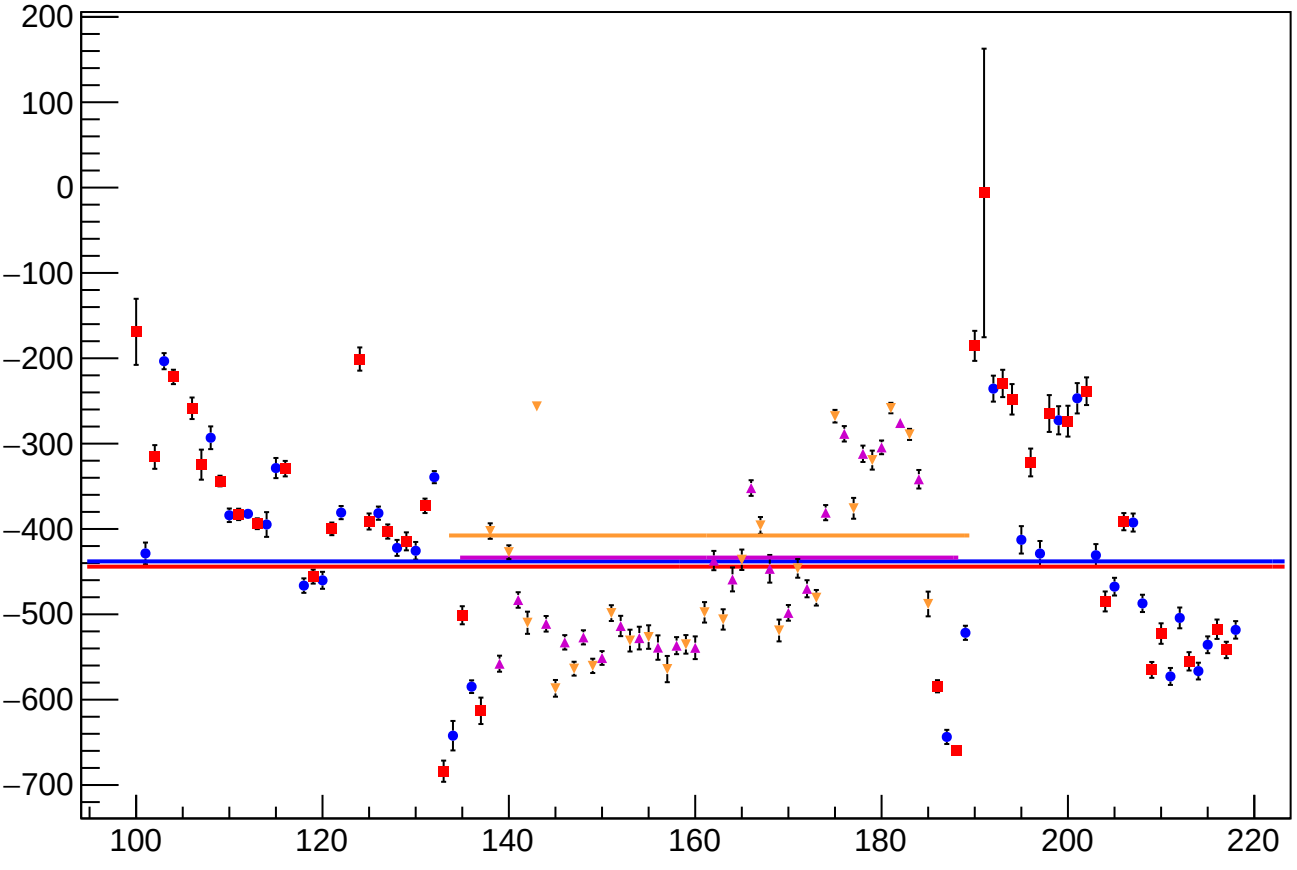
Left In: 0.443+/-0.015 χ^2/NDF:53446.3/22

+ sign 6.060+/-0.013 χ^2/NDF: 1090954.8/56

All: 5.863+/-0.009 χ^2/NDF: 2269857.2/115

- sign 5.660+/-0.013 χ^2/NDF: 1178427.0/58

reg_asym_at2_avg_diff_bpm1X_slope vs Slug



Right In: -437.968+/-1.742 χ^2/NDF: 3529.6/31

Left Out: -407.620+/-1.868 χ^2/NDF:4005.6/24

Right Out: -444.145+/-1.624 χ^2/NDF: 6872.2/35

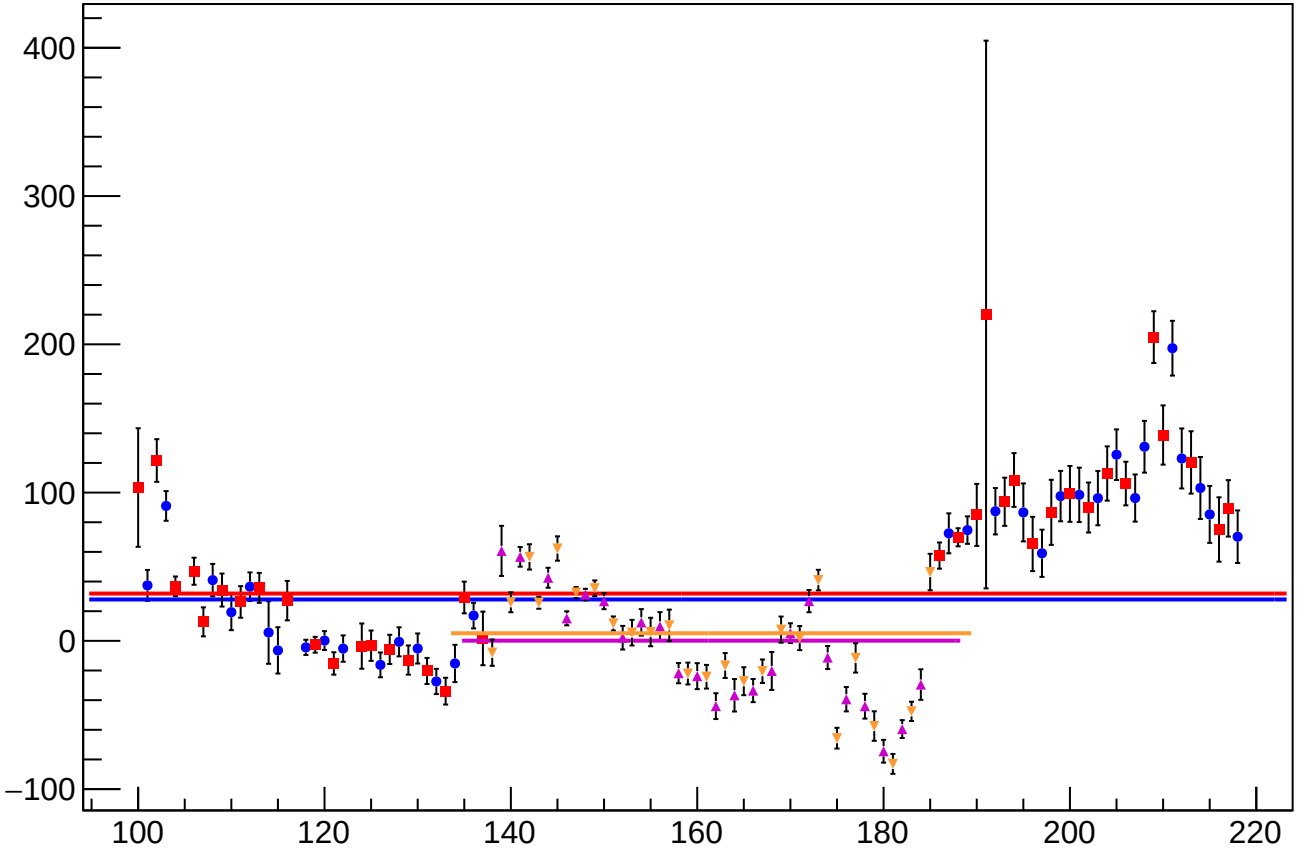
Left In: -433.529+/-1.993 χ^2/NDF:2724.5/22

\+ sign -423.854+/-1.274 χ^2/NDF: 7676.4/56

All: -431.975+/-0.895 χ^2/NDF: 17370.6/115

\- sign -439.909+/-1.259 χ^2/NDF: 9613.8/58

reg_asym_at2_avg_diff_bpm4aY_slope vs Slug



Right In: 27.913+/-1.974 χ^2/NDF: 554.0/31

Left Out: 5.125+/-1.379 χ^2/NDF:689.2/24

Right Out: 31.889+/-1.863 χ^2/NDF: 598.3/35

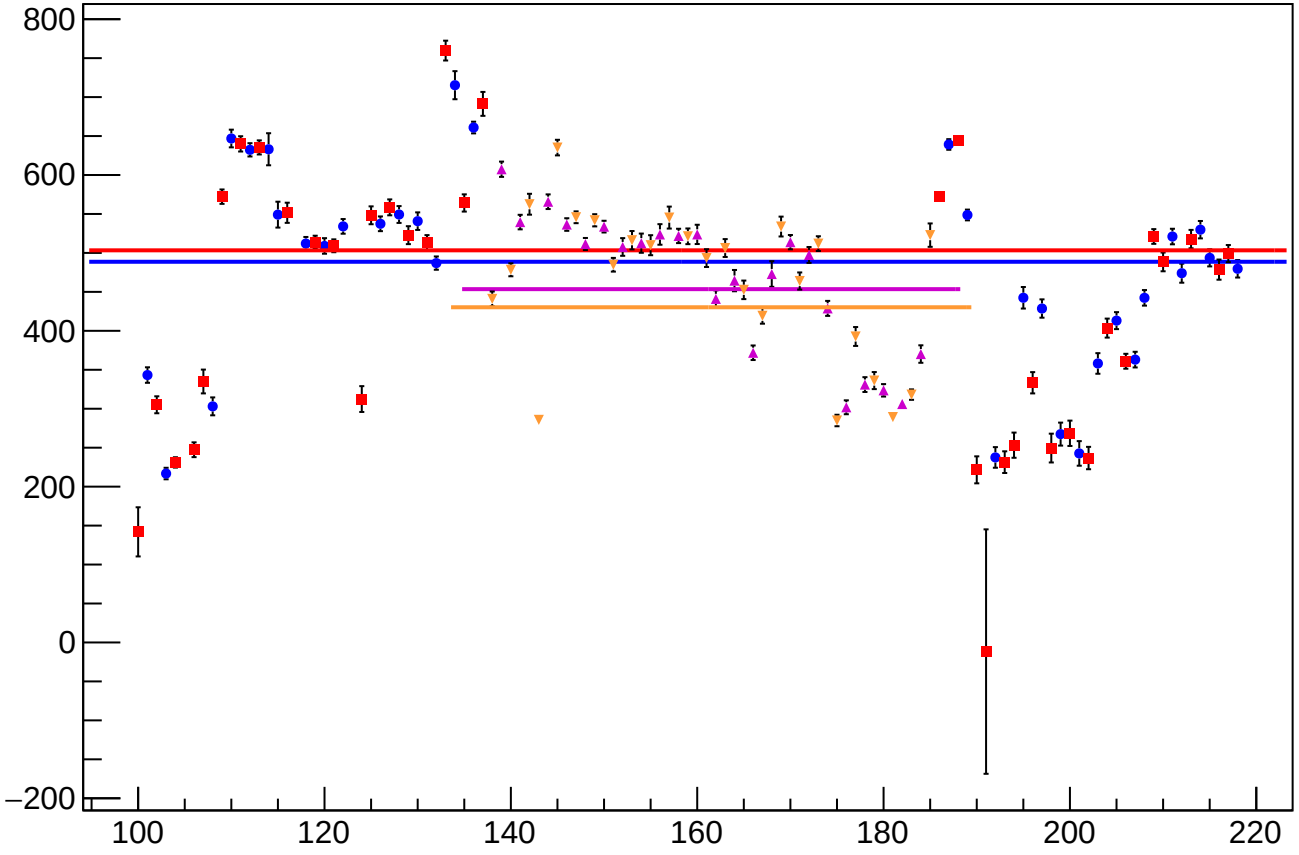
Left In: 0.124+/-1.489 χ^2/NDF:568.6/22

+ sign 12.594+/-1.130 χ^2/NDF: 1332.7/56

All: 12.551+/-0.811 χ^2/NDF: 2676.9/115

- sign 12.506+/-1.163 χ^2/NDF: 1344.2/58

reg_asym_at2_avg_diff_bpm4eX_slope vs Slug



Right In: 488.642+/-1.810 χ^2/NDF: 4942.1/31

Left Out: 430.238+/-1.861 χ^2/NDF:3405.1/24

Right Out: 503.320+/-1.641 χ^2/NDF: 8077.2/35

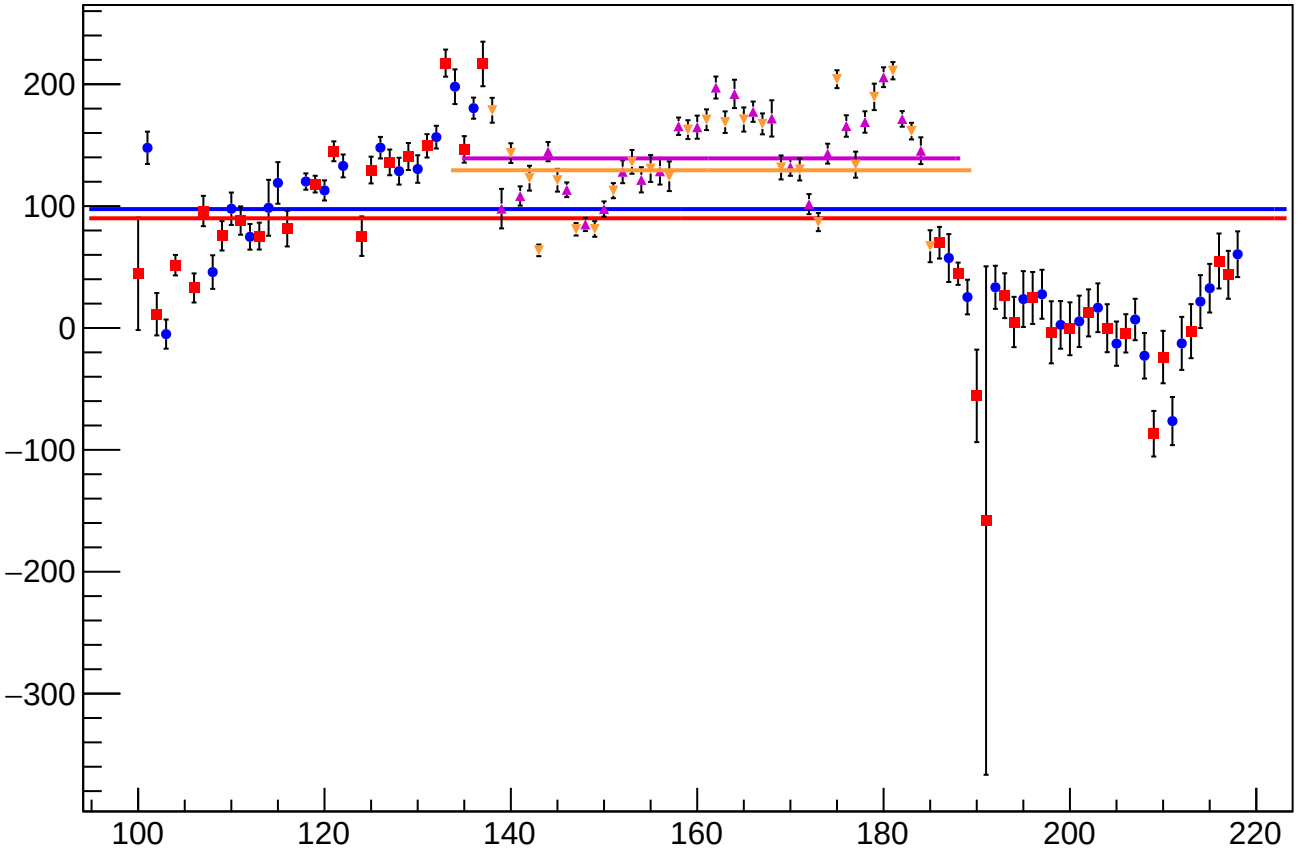
Left In: 453.496+/-1.974 χ^2/NDF:2419.7/22

+ sign 460.249+/-1.298 χ^2/NDF: 8853.2/56

All: 471.921+/-0.905 χ^2/NDF: 19884.3/115

- sign 482.958+/-1.262 χ^2/NDF: 10873.6/58

reg_asym_at2_avg_diff_bpm4eY_slope vs Slug



Right In: 97.547+/-2.301 χ^2/NDF: 729.1/31

Left Out: 129.418+/-1.593 χ^2/NDF:814.3/24

Right Out: 90.008+/-2.208 χ^2/NDF: 757.4/35

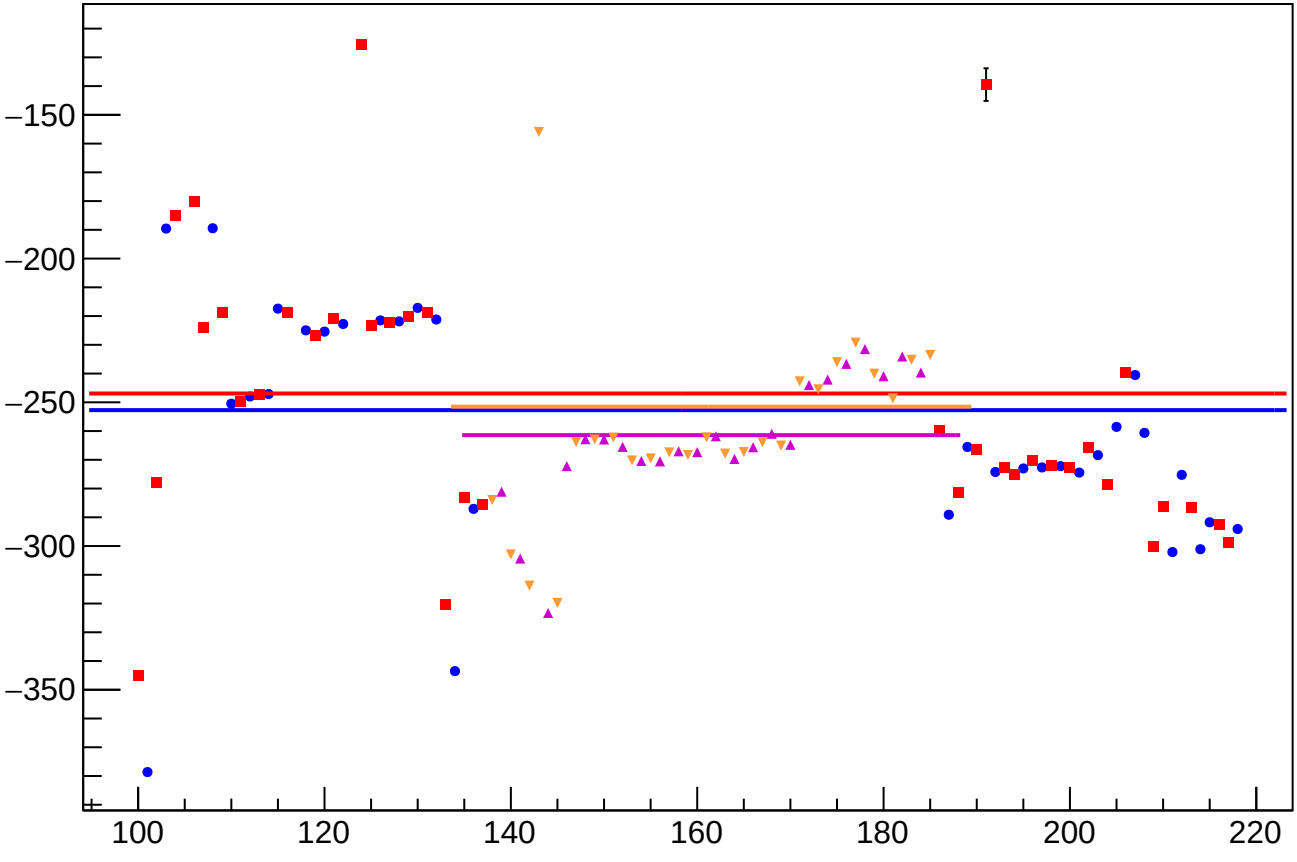
Left In: 139.163+/-1.705 χ^2/NDF:434.2/22

+ sign 119.095+/-1.310 χ^2/NDF: 1673.1/56

All: 119.926+/-0.940 χ^2/NDF: 3176.0/115

- sign 120.808+/-1.350 χ^2/NDF: 1502.0/58

reg_asym_at2_avg_diff_bpm12X_slope vs Slug



Right In: -252.724+/-0.117 χ^2/NDF: 156928.7/31

Left Out: -251.508+/-0.075 χ^2/NDF:254924.4/24

Right Out: -246.942+/-0.114 χ^2/NDF: 122953.8/35

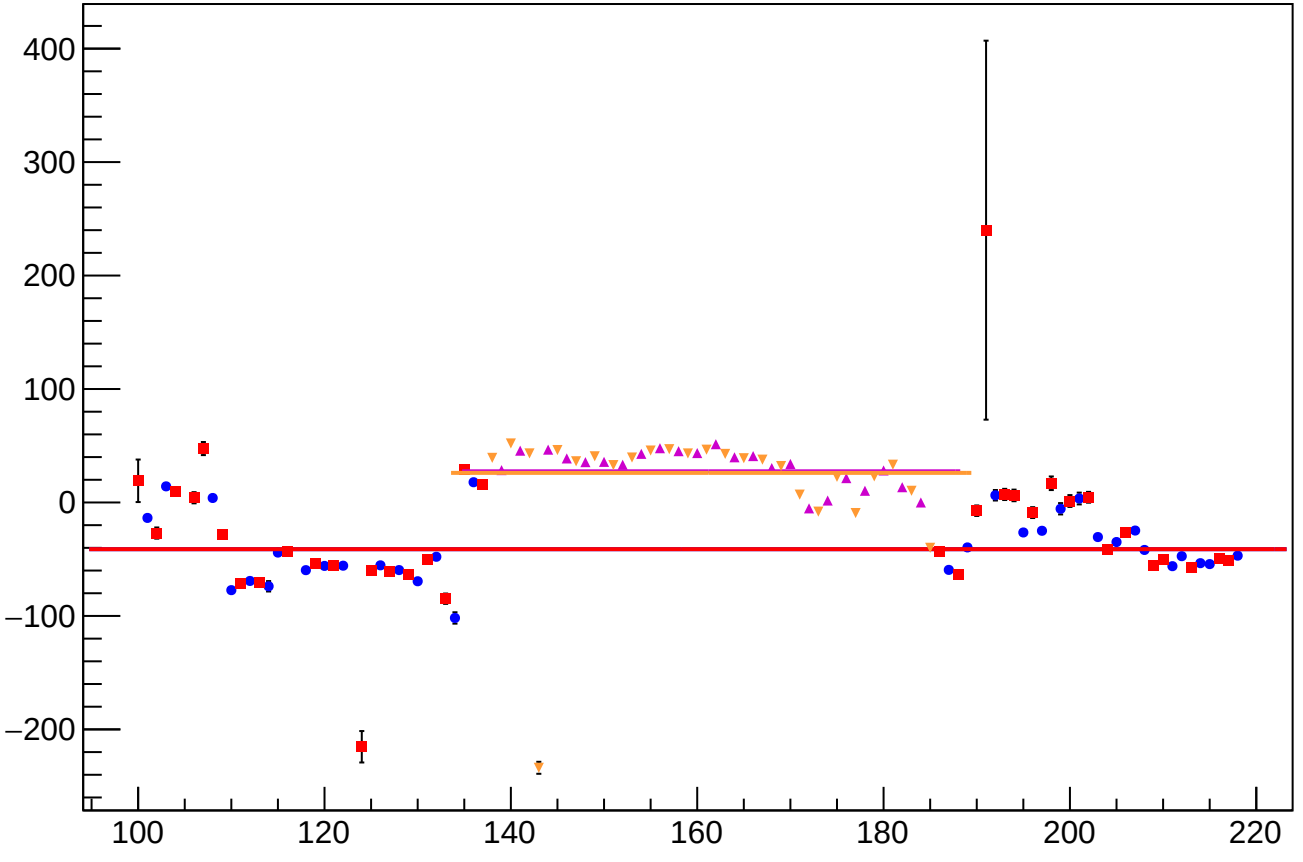
Left In: -261.425+/-0.078 χ^2/NDF:69557.7/22

+ sign -251.858+/-0.063 χ^2/NDF: 411929.6/56

All: -254.284+/-0.045 χ^2/NDF: 618483.1/115

- sign -256.816+/-0.064 χ^2/NDF: 203517.3/58

reg_asym_at2_dd_diff_bpm1X_slope vs Slug



Right In: -41.194+/-0.531 χ^2/NDF: 2846.0/31

Left Out: 26.087+/-0.390 χ^2/NDF:4785.1/24

Right Out: -41.156+/-0.492 χ^2/NDF: 3374.0/35

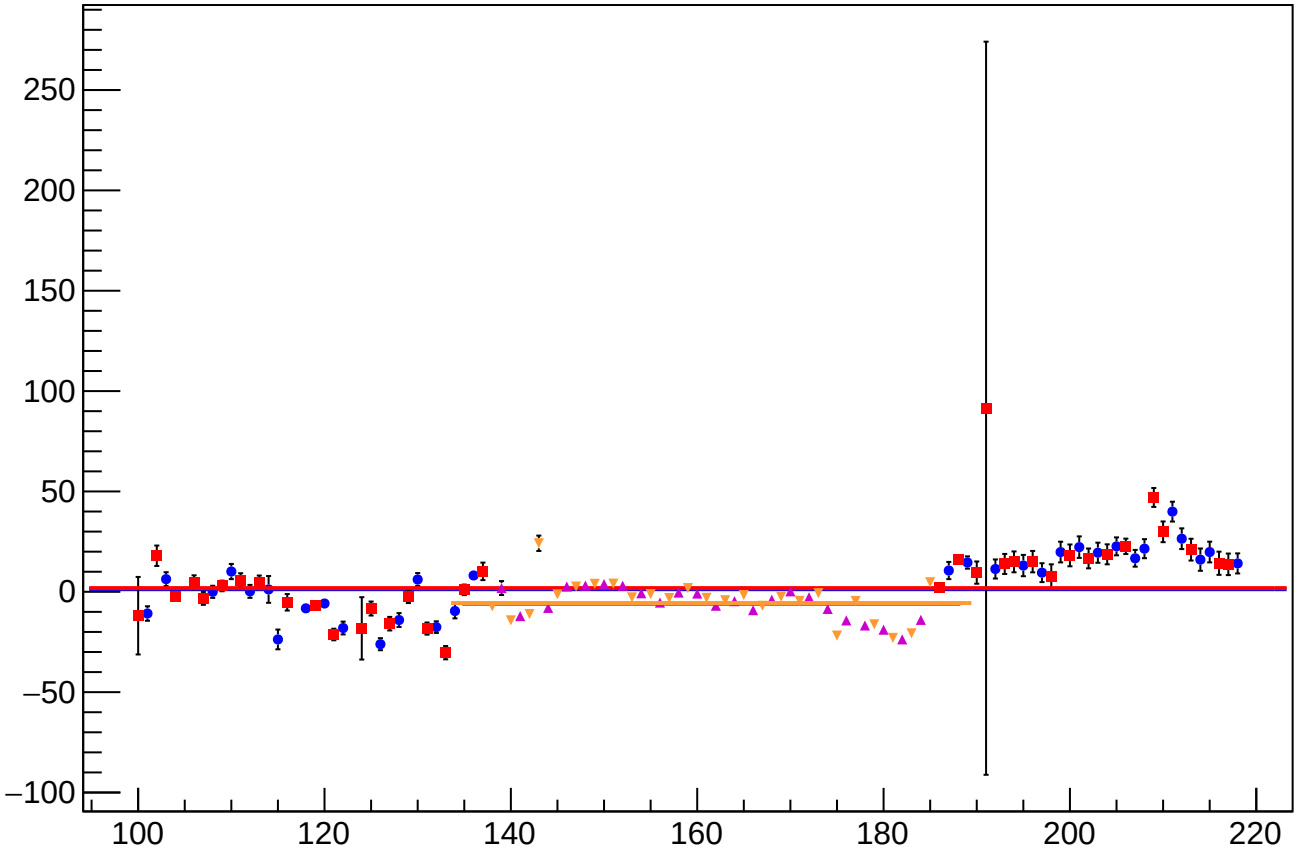
Left In: 27.466+/-0.396 χ^2/NDF:1608.9/22

+ sign 2.530+/-0.314 χ^2/NDF: 18068.0/56

All: 1.496+/-0.220 χ^2/NDF: 34884.8/115

- sign 0.500+/-0.308 χ^2/NDF: 16795.5/58

reg_asym_at2_dd_diff_bpm4aY_slope vs Slug



Right In: 1.311+/-0.632 χ^2/NDF: 526.3/31

Left Out: -5.625+/-0.302 χ^2/NDF:893.3/24

Right Out: 1.838+/-0.595 χ^2/NDF: 556.8/35

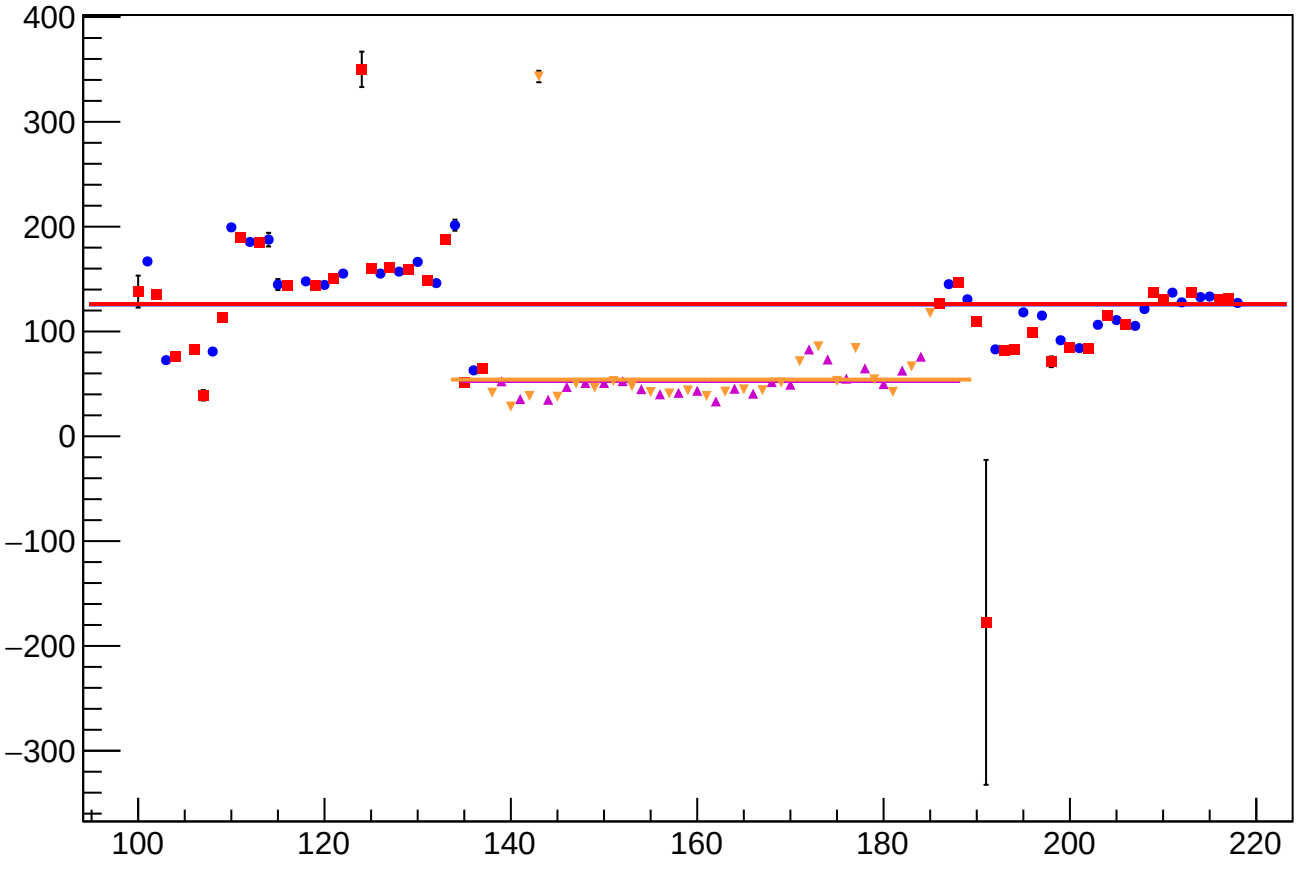
Left In: -5.940+/-0.309 χ^2/NDF:712.2/22

+ sign -4.337+/-0.272 χ^2/NDF: 1517.6/56

All: -4.313+/-0.193 χ^2/NDF: 2921.2/115

- sign -4.288+/-0.274 χ^2/NDF: 1403.5/58

reg_asym_at2_dd_diff_bpm4eX_slope vs Slug



Right In: 125.799+/-0.549 χ^2/NDF: 4148.6/31

Left Out: 54.123+/-0.387 χ^2/NDF:4591.8/24

Right Out: 126.238+/-0.500 χ^2/NDF: 4459.9/35

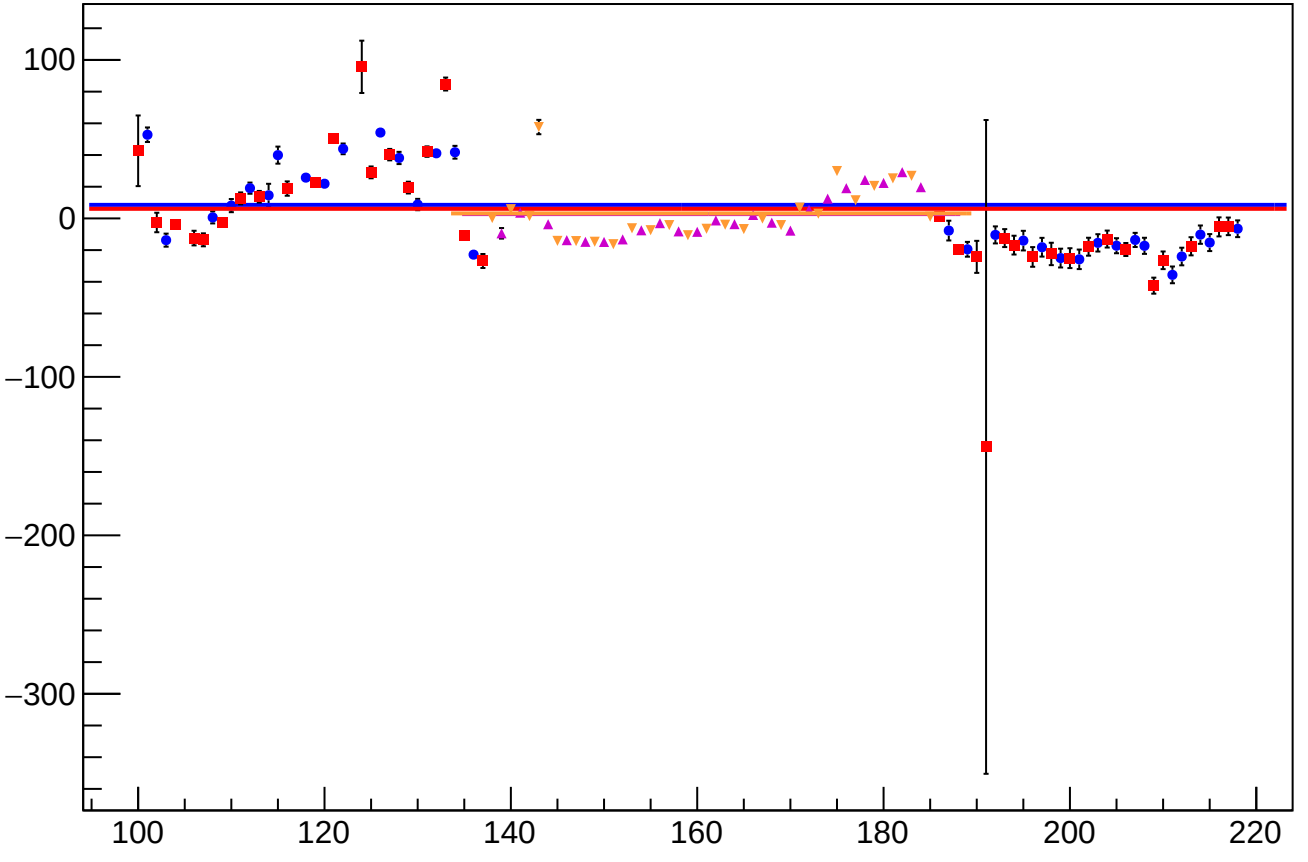
Left In: 52.797+/-0.393 χ^2/NDF:978.1/22

\+ sign 77.937+/-0.316 χ^2/NDF: 20121.1/56

All: 79.423+/-0.221 χ^2/NDF: 38962.8/115

\- sign 80.837+/-0.309 χ^2/NDF: 18798.7/58

reg_asym_at2_dd_diff_bpm4eY_slope vs Slug



Right In: 8.542+/-0.725 χ^2/NDF: 1400.8/31

Left Out: 3.155+/-0.340 χ^2/NDF:2012.4/24

Right Out: 6.056+/-0.701 χ^2/NDF: 1475.6/35

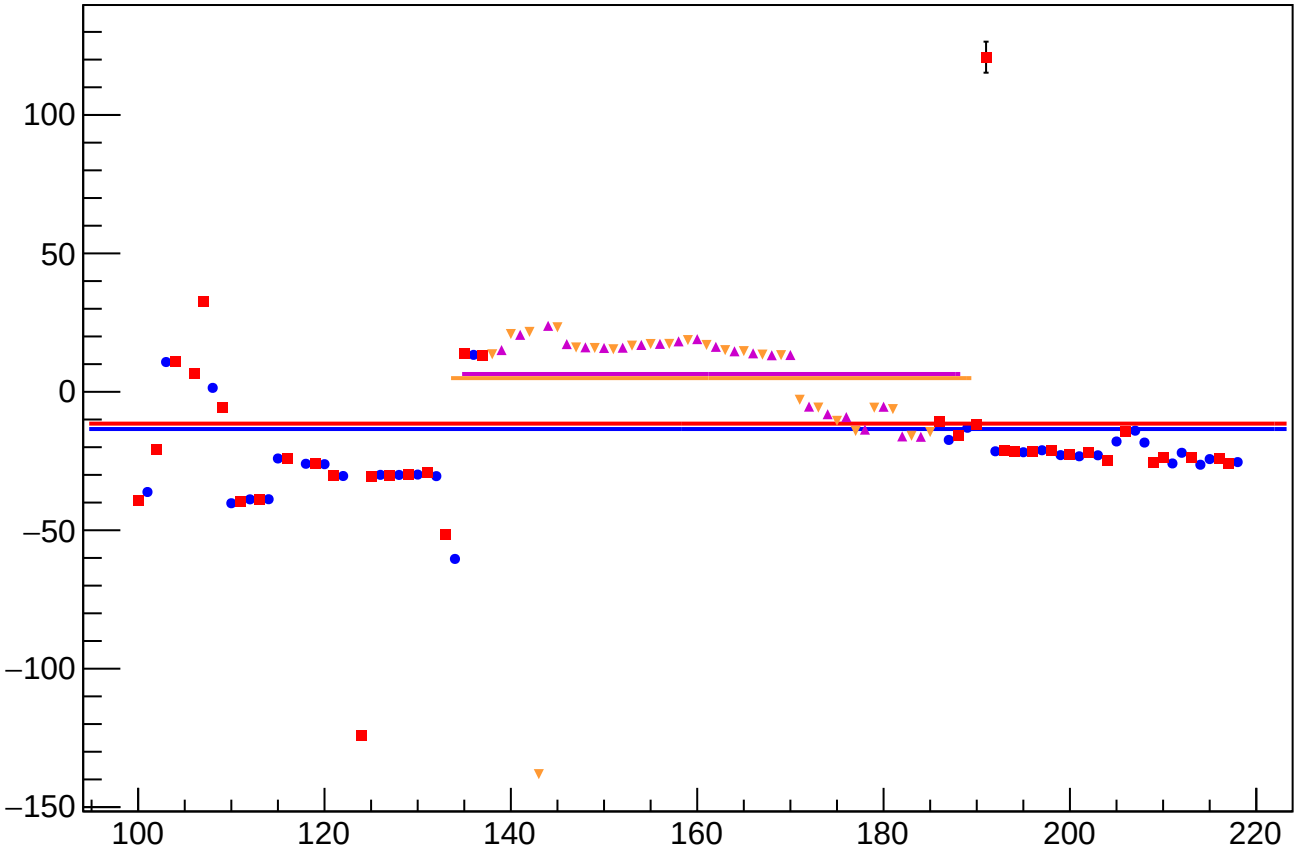
Left In: 2.722+/-0.347 χ^2/NDF:1735.2/22

+ sign 4.126+/-0.308 χ^2/NDF: 3458.5/56

All: 3.755+/-0.219 χ^2/NDF: 6690.3/115

- sign 3.378+/-0.311 χ^2/NDF: 3228.9/58

reg_asym_at2_dd_diff_bpm12X_slope vs Slug



Right In: -13.440+/-0.035 χ^2/NDF: 305447.4/31

Left Out: 4.946+/-0.015 χ^2/NDF:1136506.7/24

Right Out: -11.486+/-0.035 χ^2/NDF: 285881.5/35

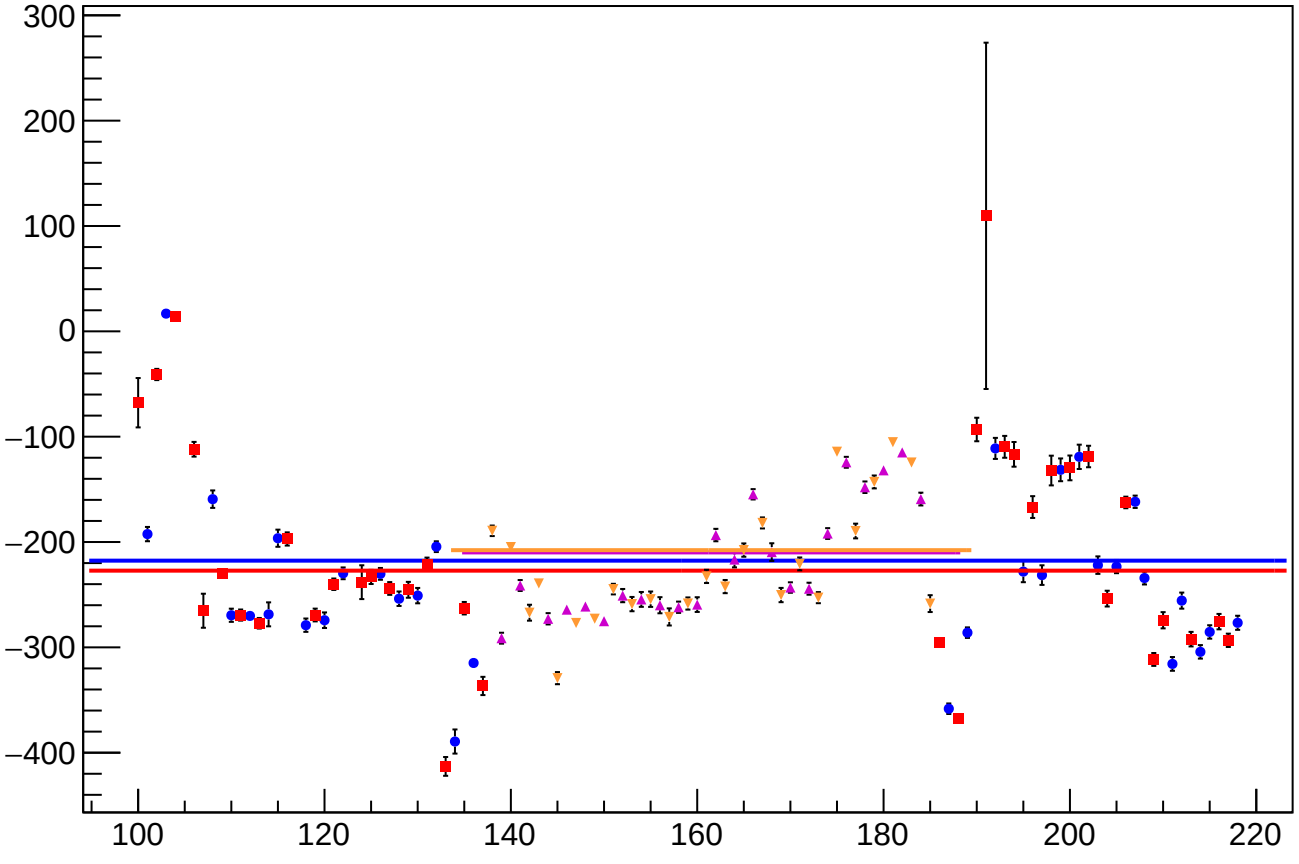
Left In: 6.444+/-0.015 χ^2/NDF:729692.1/22

+ sign 1.971+/-0.014 χ^2/NDF: 1678136.2/56

All: 2.732+/-0.010 χ^2/NDF: 2923903.0/115

- sign 3.503+/-0.014 χ^2/NDF: 1239759.0/58

reg_asym_atl1r2_avg_diff_bpm1X_slope vs Slug



Right In: -217.686+/-1.096 χ^2/NDF: 9528.0/31

Left Out: -207.745+/-1.070 χ^2/NDF:3487.2/24

Right Out: -227.184+/-1.026 χ^2/NDF: 12824.2/35

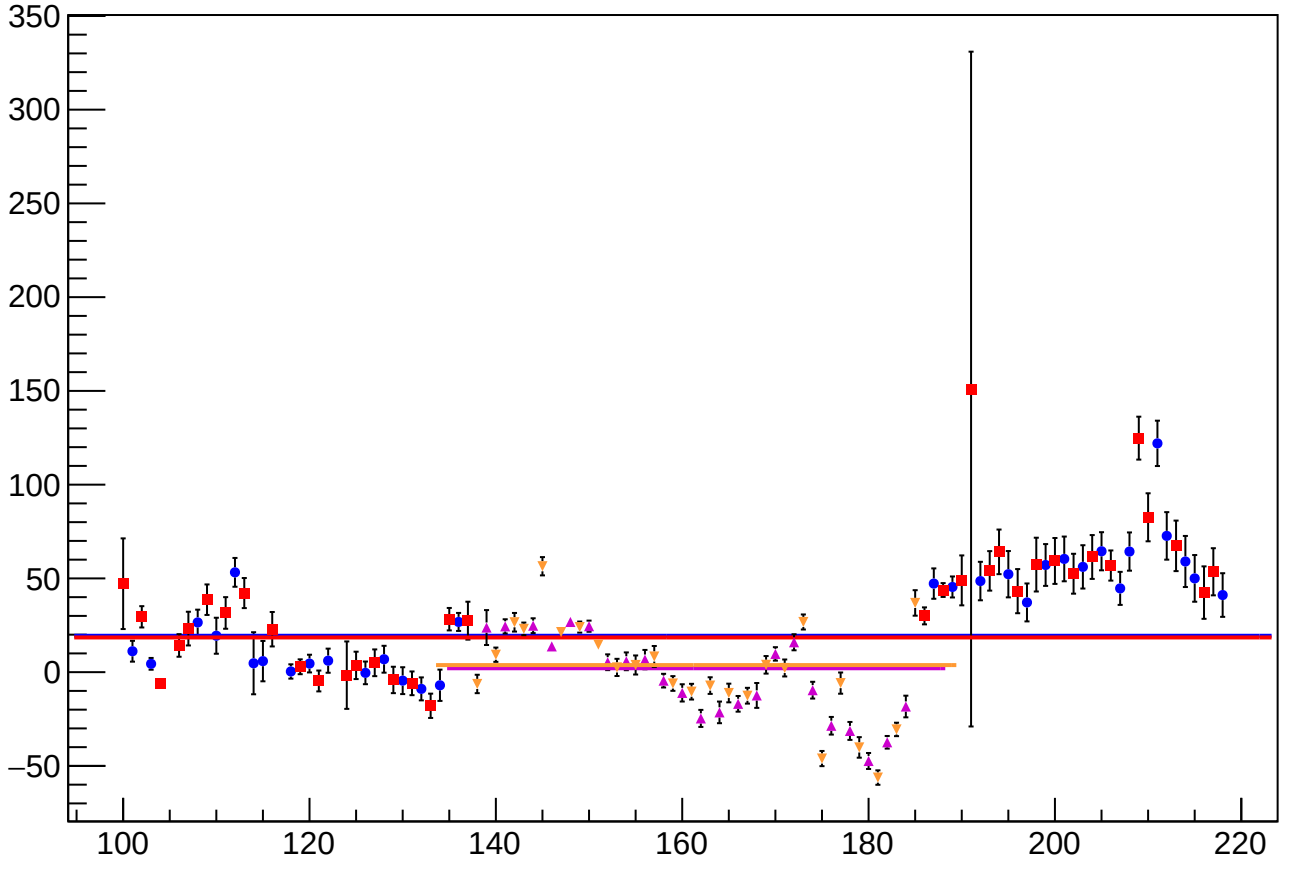
Left In: -209.875+/-1.101 χ^2/NDF:3011.9/22

+ sign -212.594+/-0.766 χ^2/NDF: 13057.3/56

All: -215.935+/-0.536 χ^2/NDF: 29063.0/115

- sign -219.145+/-0.750 χ^2/NDF: 15968.4/58

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs Slug



Right In: 19.408+/-1.247 χ^2/NDF: 385.4/31

Left Out: 3.770+/-0.787 χ^2/NDF:972.1/24

Right Out: 18.511+/-1.140 χ^2/NDF: 518.9/35

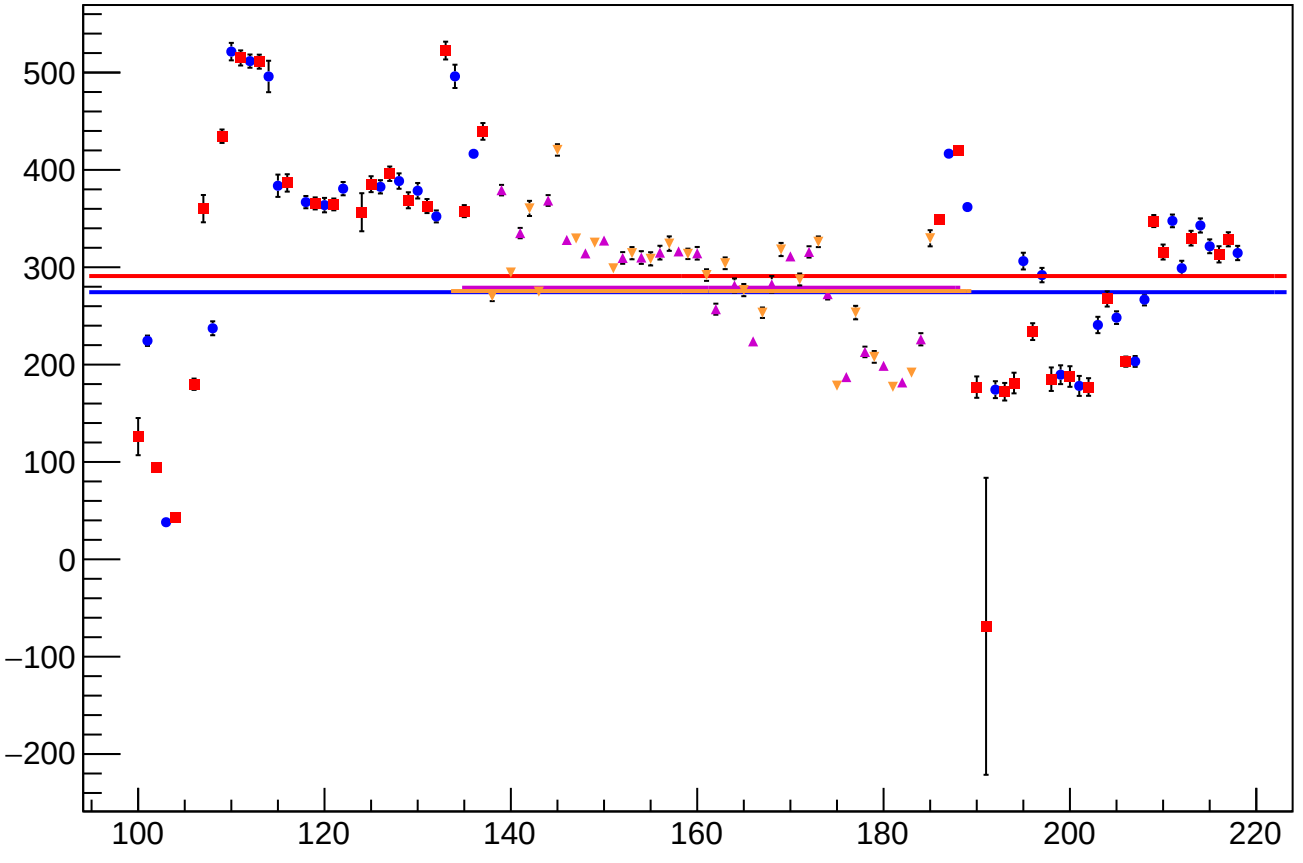
Left In: 2.079+/-0.820 χ^2/NDF:770.2/22

+ sign 8.229+/-0.666 χ^2/NDF: 1470.0/56

All: 7.955+/-0.471 χ^2/NDF: 2896.3/115

- sign 7.681+/-0.666 χ^2/NDF: 1426.0/58

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs Slug



Right In: 274.392+/-1.070 χ^2/NDF: 18079.1/31

Left Out: 275.536+/-1.062 χ^2/NDF:3323.1/24

Right Out: 290.965+/-0.974 χ^2/NDF: 22326.2/35

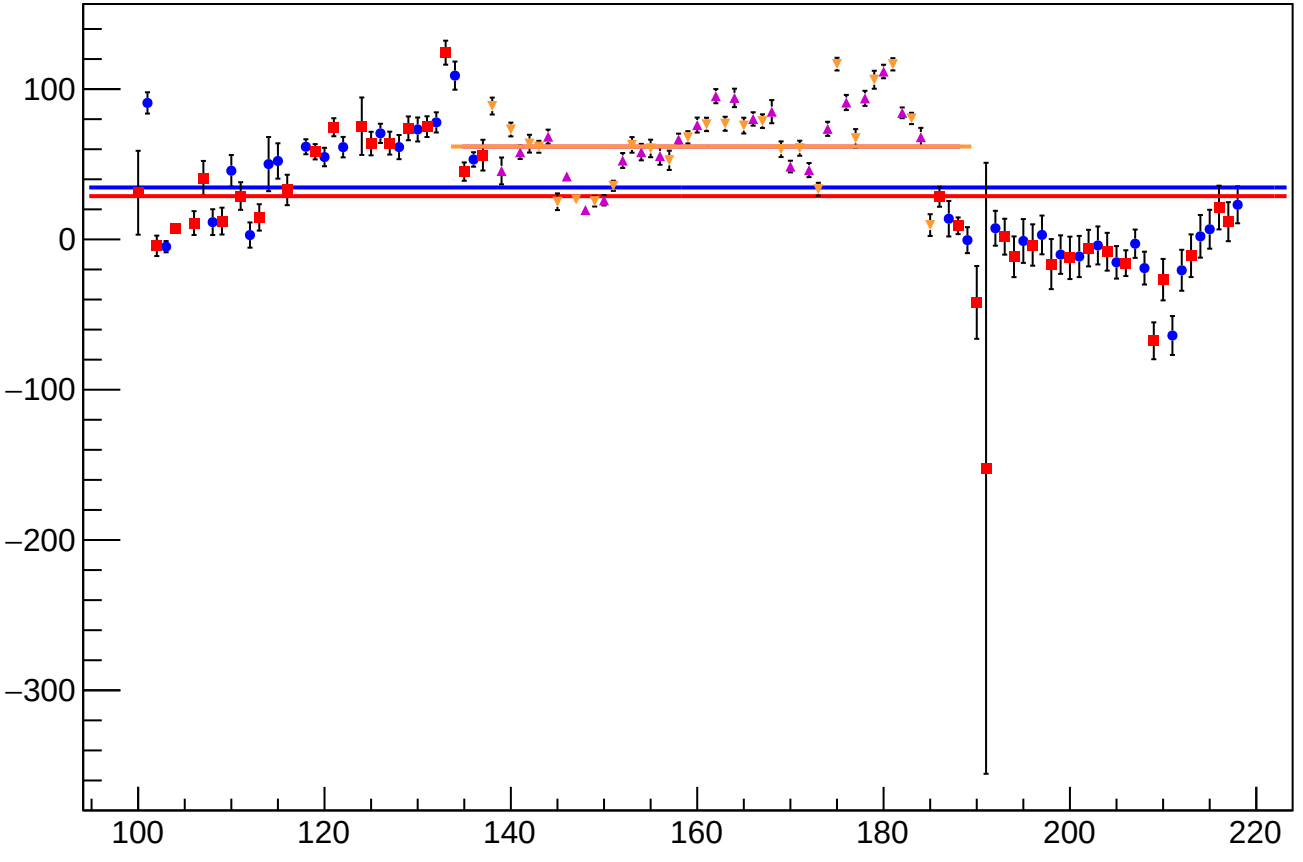
Left In: 278.989+/-1.089 χ^2/NDF:3114.7/22

+ sign 274.968+/-0.754 χ^2/NDF: 21402.8/56

All: 280.510+/-0.523 χ^2/NDF: 47015.1/115

- sign 285.645+/-0.726 χ^2/NDF: 25508.1/58

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs Slug



Right In: 34.561+/-1.454 χ^2/NDF: 658.1/31

Left Out: 61.818+/-0.907 χ^2/NDF:959.5/24

Right Out: 28.777+/-1.374 χ^2/NDF: 646.7/35

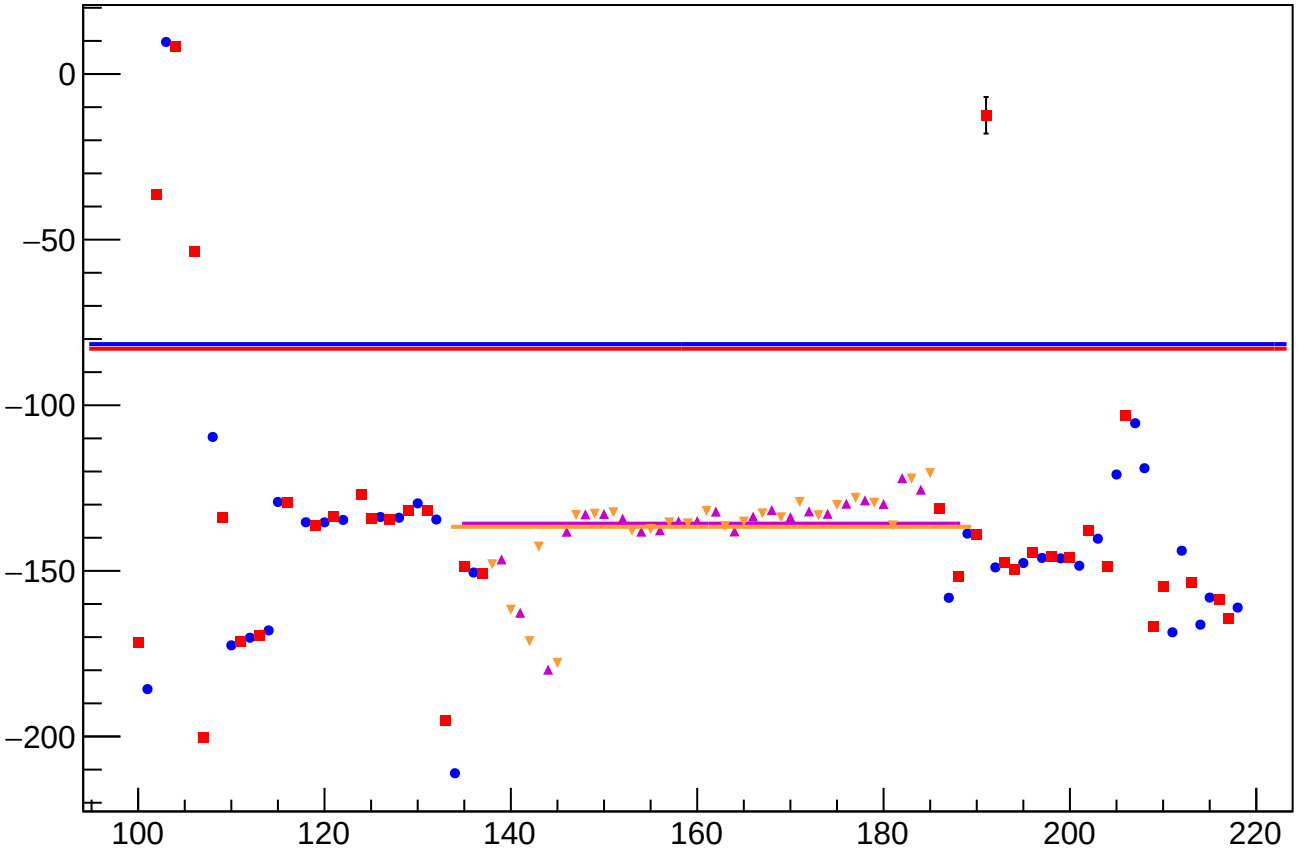
Left In: 61.763+/-0.939 χ^2/NDF:736.0/22

+ sign 54.176+/-0.770 χ^2/NDF: 1870.4/56

All: 52.731+/-0.546 χ^2/NDF: 3653.3/115

- sign 51.267+/-0.775 χ^2/NDF: 1775.7/58

reg_asym_atl1r2_avg_diff_bpm12X_slope vs Slug



Right In: -81.532+/-0.062 χ^2/NDF: 1596259.5/31

Left Out: -136.695+/-0.042 χ^2/NDF:79006.9/24

Right Out: -82.925+/-0.062 χ^2/NDF: 1282615.0/35

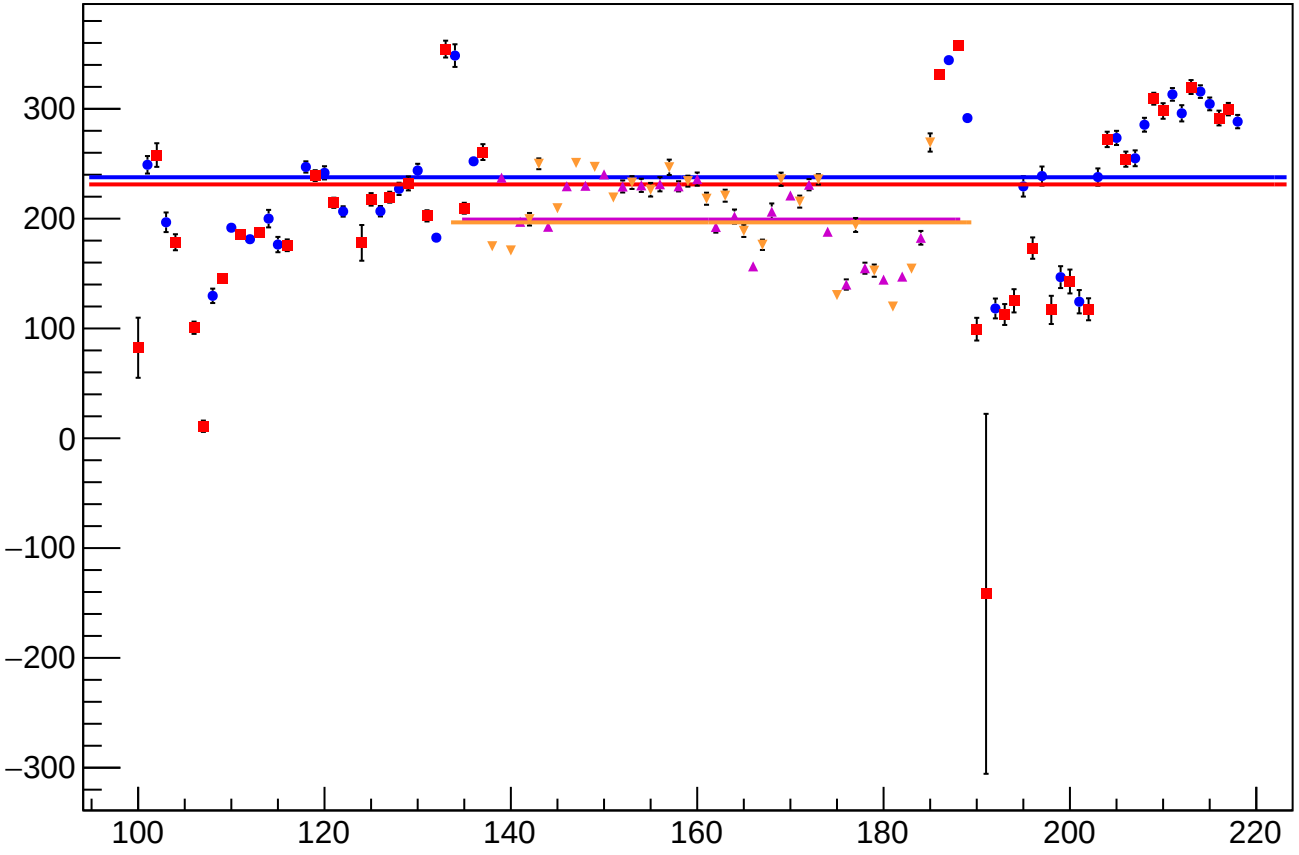
Left In: -135.745+/-0.043 χ^2/NDF:63681.9/22

+ sign -119.090+/-0.035 χ^2/NDF: 2219398.4/56

All: -118.915+/-0.025 χ^2/NDF: 4056060.2/11

- sign -118.737+/-0.035 χ^2/NDF: 1836611.4/58

reg_asym_atl1r2_dd_diff_bpm1X_slope vs Slug



Right In: 237.700+/-1.016 χ^2/NDF: 2985.1/31

Left Out: 196.615+/-0.946 χ^2/NDF:2075.5/24

Right Out: 231.184+/-0.921 χ^2/NDF: 8972.0/35

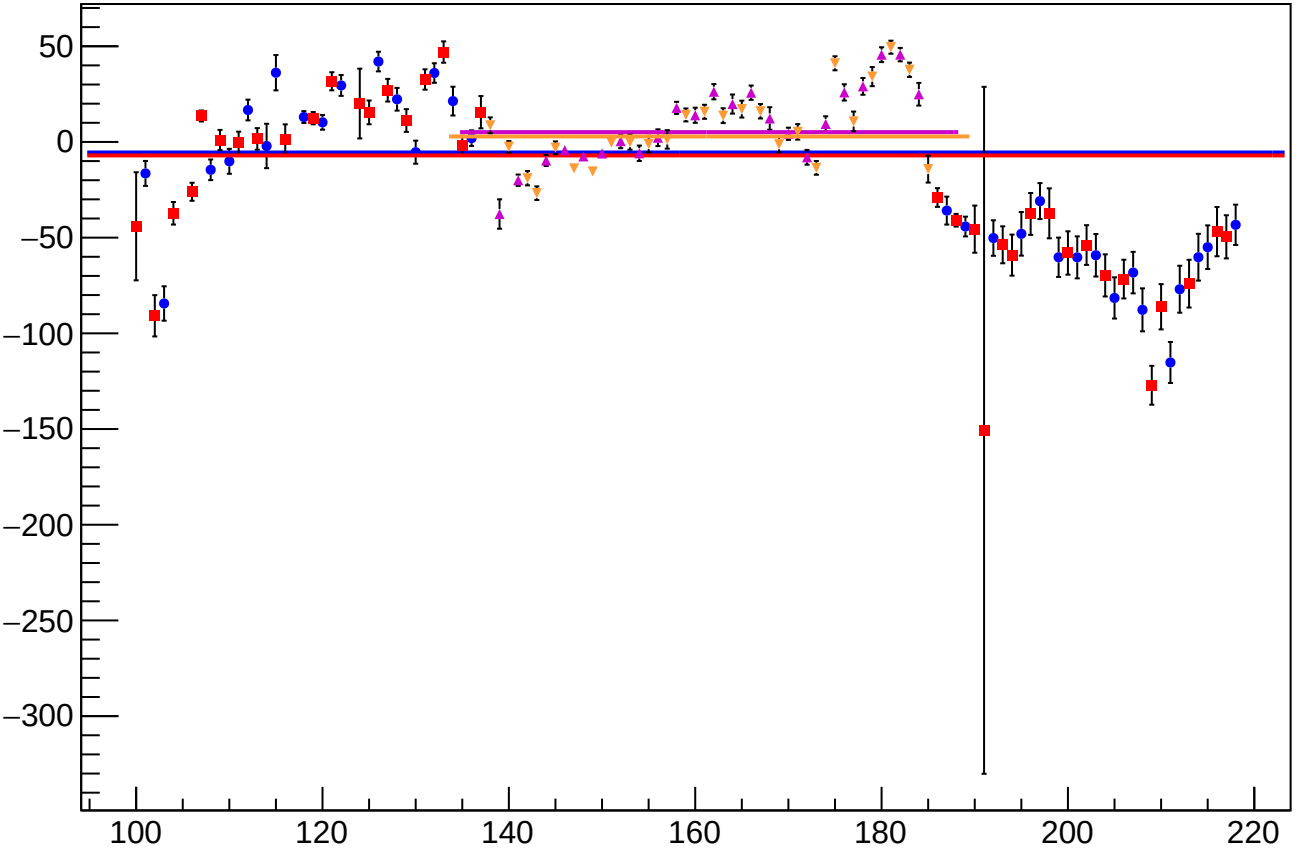
Left In: 199.153+/-0.973 χ^2/NDF:1294.6/22

\+ sign 215.691+/-0.693 χ^2/NDF: 5935.8/56

All: 215.870+/-0.481 χ^2/NDF: 16773.9/115

\- sign 216.036+/-0.669 χ^2/NDF: 10838.1/58

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs Slug



Right In: -5.522+/-1.163 χ^2/NDF: 926.7/31

Left Out: 2.870+/-0.693 χ^2/NDF:752.8/24

Right Out: -7.054+/-1.047 χ^2/NDF: 1029.0/35

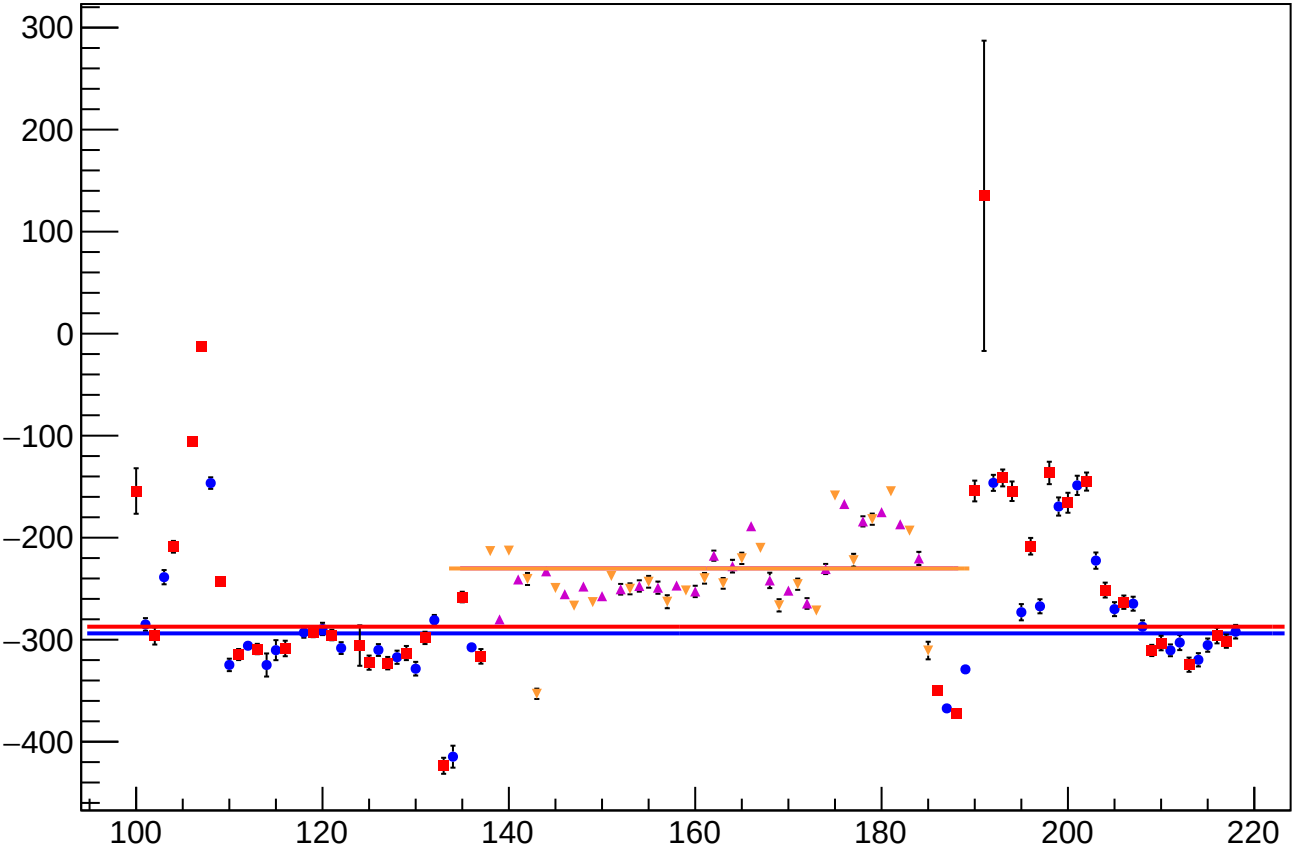
Left In: 5.126+/-0.718 χ^2/NDF:628.6/22

+ sign 0.670+/-0.595 χ^2/NDF: 1717.9/56

All: 0.952+/-0.420 χ^2/NDF: 3468.0/115

- sign 1.231+/-0.592 χ^2/NDF: 1749.6/58

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs Slug



Right In: -293.818+/-1.063 χ^2/NDF: 2410.7/31

Left Out: -230.182+/-0.939 χ^2/NDF:2181.9/24

Right Out: -287.255+/-0.935 χ^2/NDF: 9981.1/35

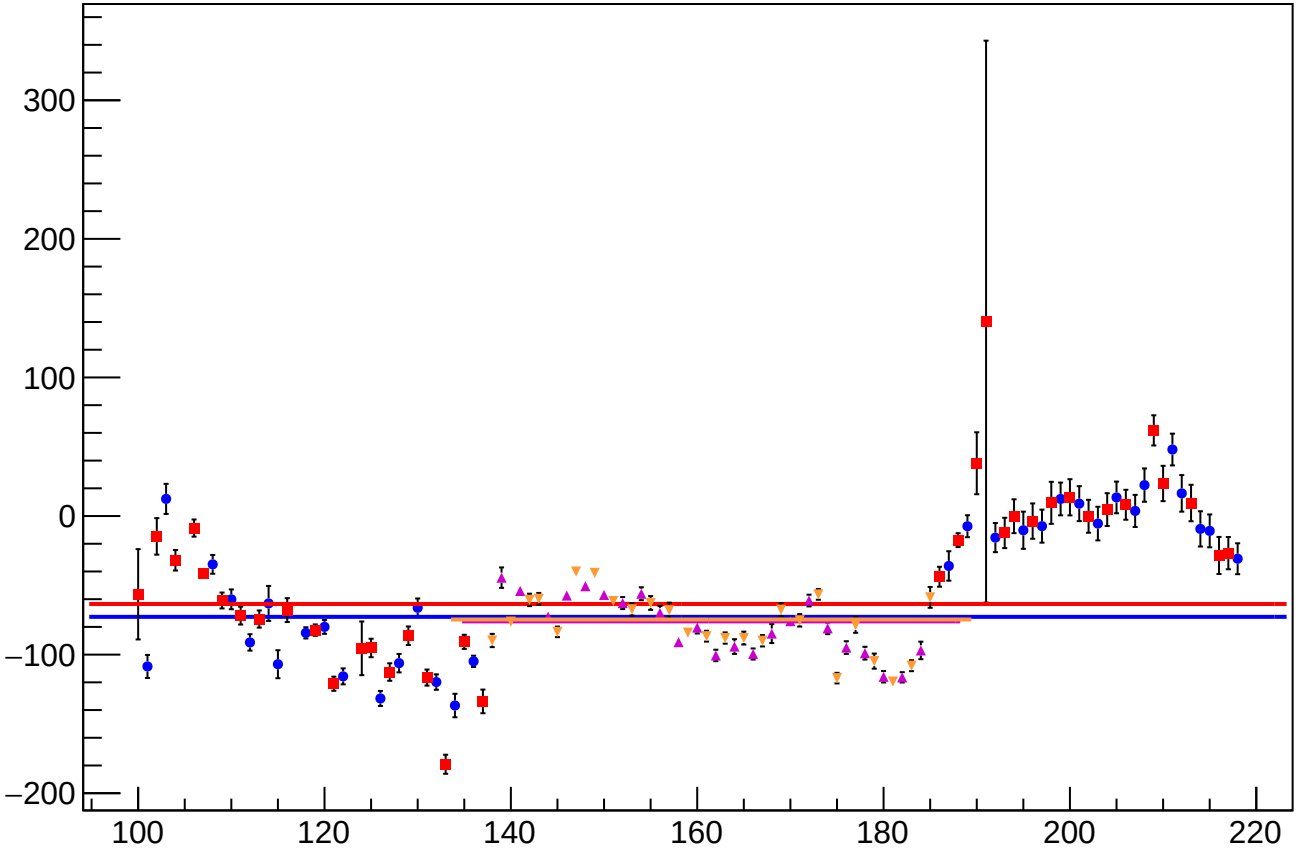
Left In: -230.047+/-0.961 χ^2/NDF:1094.0/22

+ sign -258.065+/-0.704 χ^2/NDF: 6605.0/56

All: -258.778+/-0.485 χ^2/NDF: 19502.0/115

- sign -259.425+/-0.670 χ^2/NDF: 12895.0/58

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs Slug



Right In: -72.741+/-1.351 χ^2/NDF: 1207.5/31

Left Out: -74.644+/-0.801 χ^2/NDF:831.0/24

Right Out: -63.462+/-1.248 χ^2/NDF: 1434.7/35

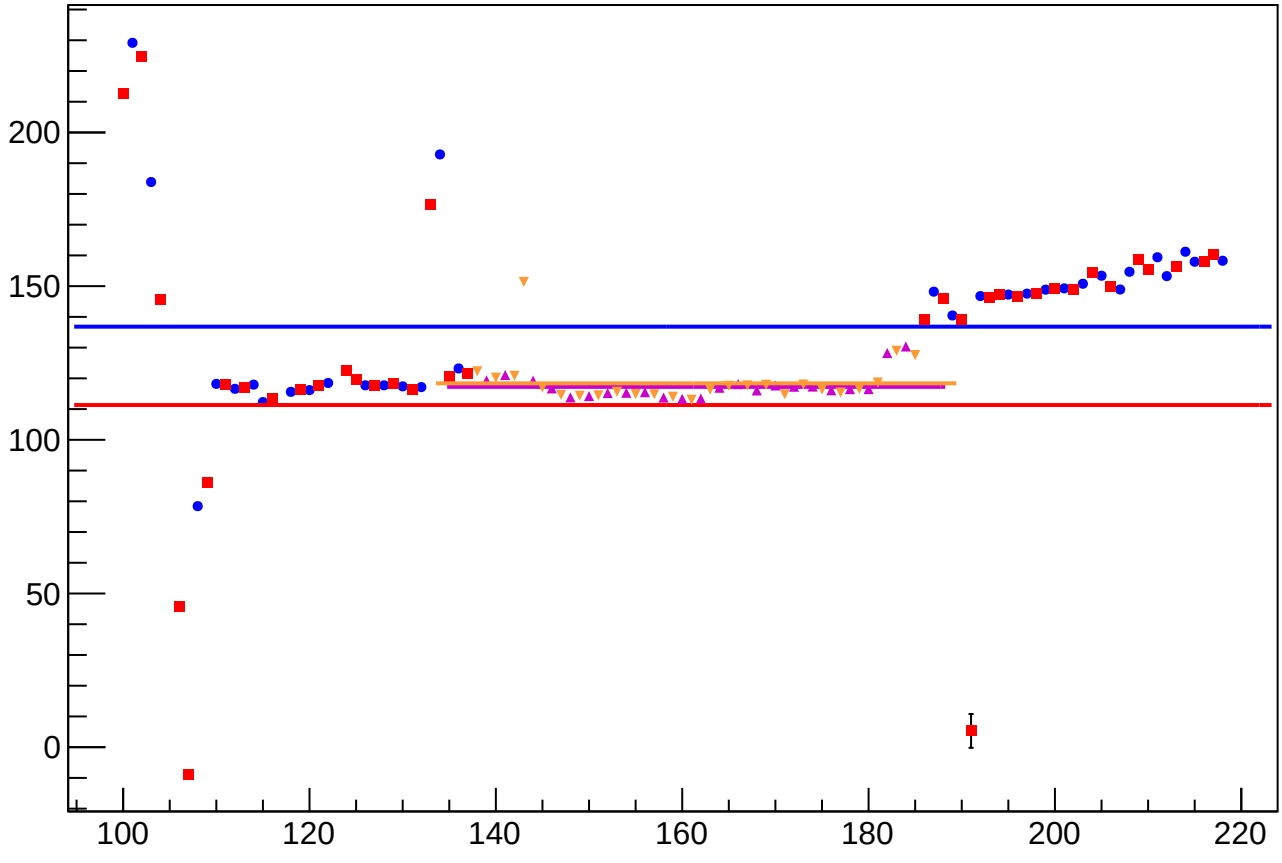
Left In: -76.025+/-0.824 χ^2/NDF:646.0/22

+ sign -74.149+/-0.689 χ^2/NDF: 2040.0/56

All: -73.178+/-0.487 χ^2/NDF: 4195.3/115

- sign -72.210+/-0.688 χ^2/NDF: 2151.3/58

reg_asym_atl1r2_dd_diff_bpm12X_slope vs Slug



Right In: 136.820+/-0.070 χ^2/NDF: 207005.1/31

Left Out: 118.382+/-0.037 χ^2/NDF:34938.1/24

Right Out: 111.323+/-0.064 χ^2/NDF: 790577.4/35

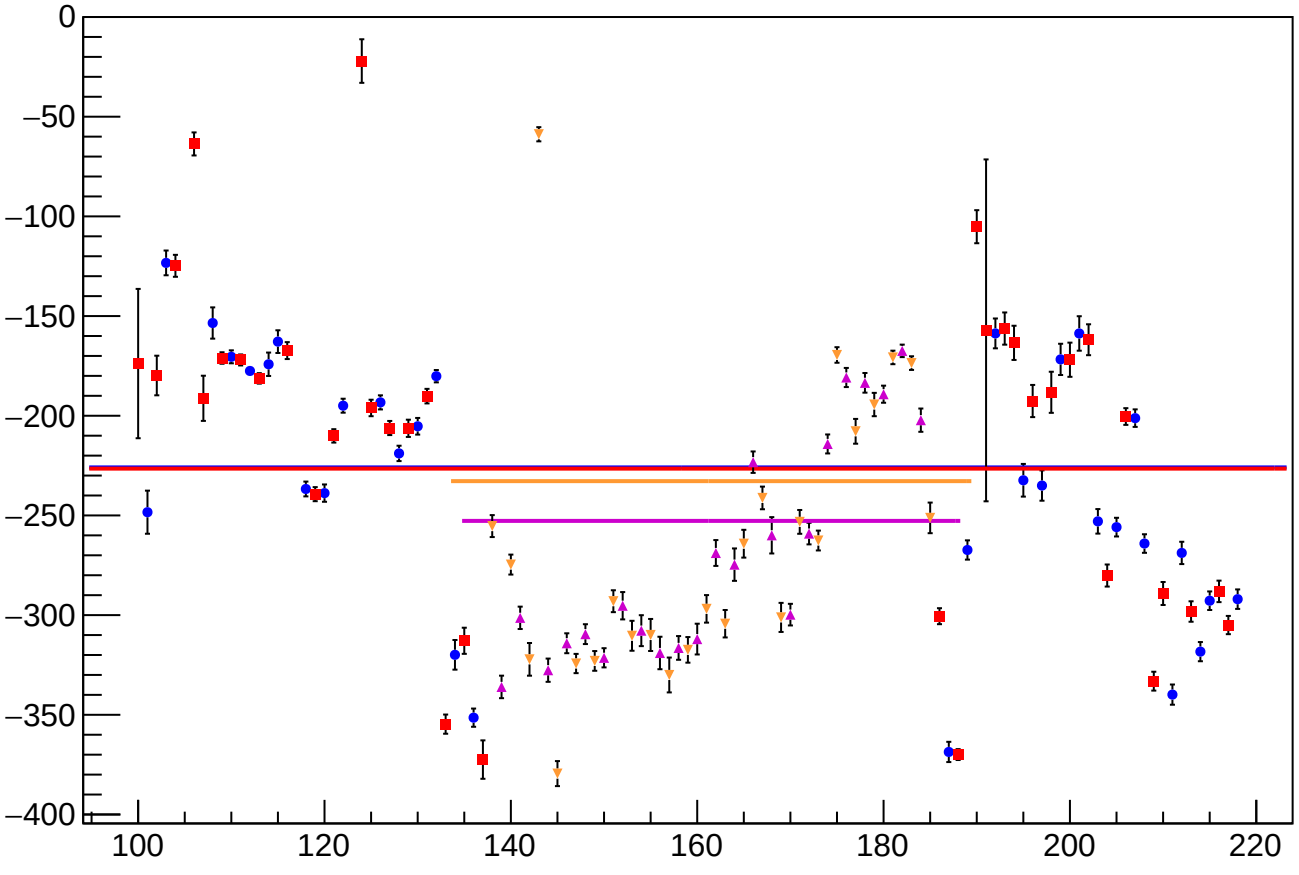
Left In: 117.225+/-0.038 χ^2/NDF:10227.9/22

+ sign 122.453+/-0.033 χ^2/NDF: 295958.3/56

All: 119.027+/-0.023 χ^2/NDF: 1124450.2/115

- sign 115.706+/-0.032 χ^2/NDF: 807148.0/58

reg_asym_atr1l2_avg_diff_bpm1X_slope vs Slug



Right In: -225.913+/-0.820 χ^2/NDF: 5119.4/31

Left Out: -232.800+/-1.072 χ^2/NDF:5764.0/24

Right Out: -226.520+/-0.783 χ^2/NDF: 9086.4/35

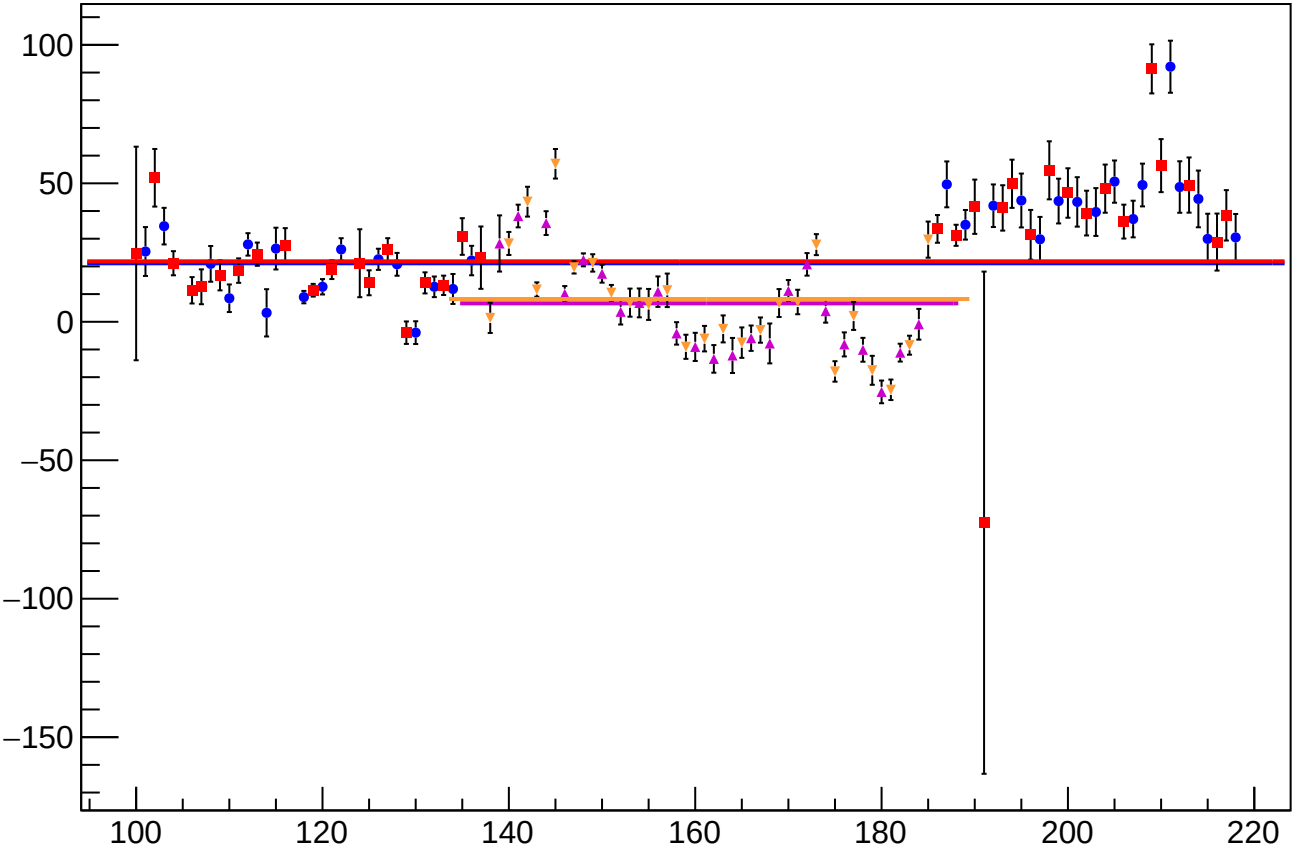
Left In: -252.738+/-1.131 χ^2/NDF:2913.9/22

+ sign -228.456+/-0.651 χ^2/NDF: 10909.4/56

All: -231.773+/-0.458 χ^2/NDF: 23324.5/115

- sign -235.010+/-0.643 χ^2/NDF: 12363.8/58

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs Slug



Right In: 21.127+/-0.929 χ^2/NDF: 262.8/31

Left Out: 8.222+/-0.803 χ^2/NDF:457.9/24

Right Out: 21.834+/-0.904 χ^2/NDF: 252.4/35

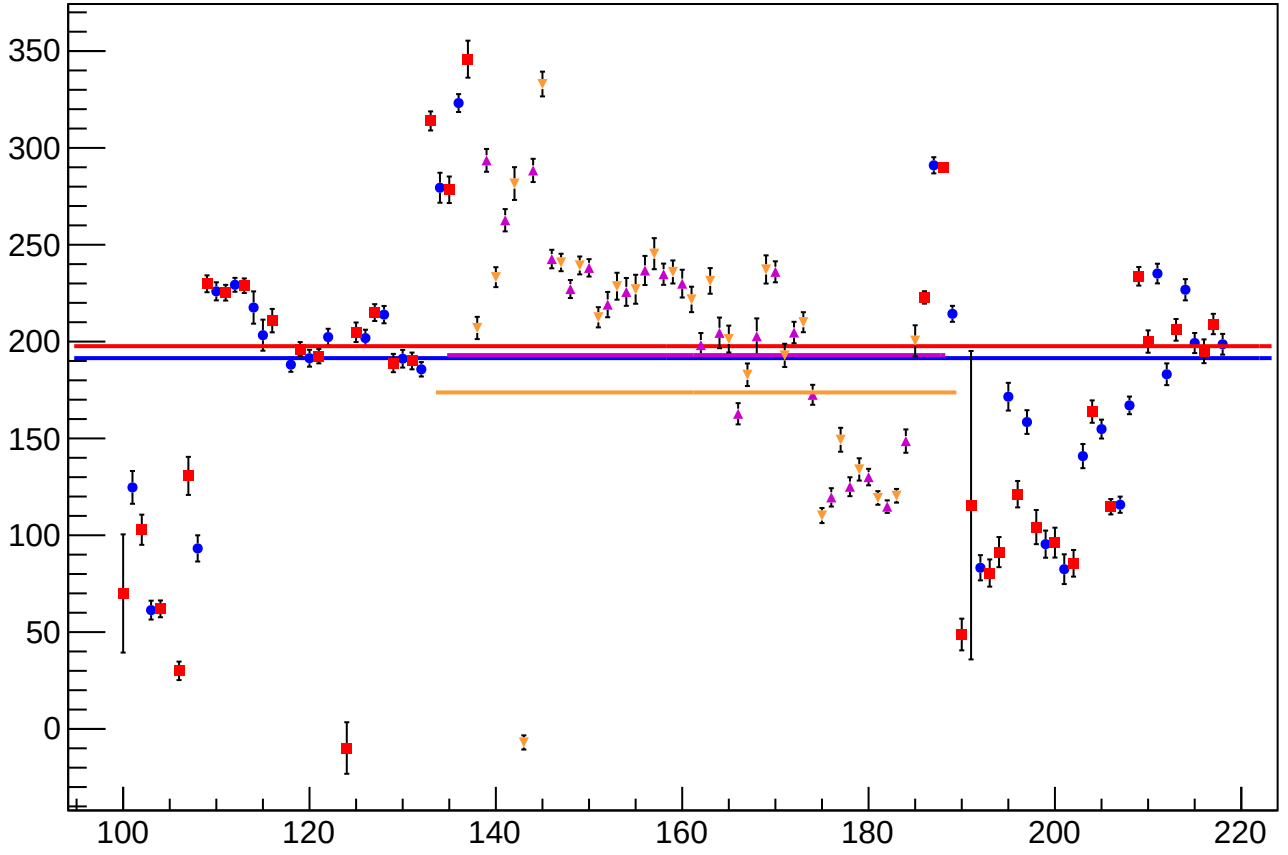
Left In: 6.657+/-0.858 χ^2/NDF:354.8/22

\+ sign 13.743+/-0.607 χ^2/NDF: 831.3/56

All: 13.794+/-0.435 χ^2/NDF: 1586.7/115

\- sign 13.848+/-0.623 χ^2/NDF: 755.4/58

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs Slug



Right In: 191.460+/-0.887 χ^2/NDF: 4052.0/31

Left Out: 173.752+/-1.069 χ^2/NDF:5260.7/24

Right Out: 197.632+/-0.832 χ^2/NDF: 7617.0/35

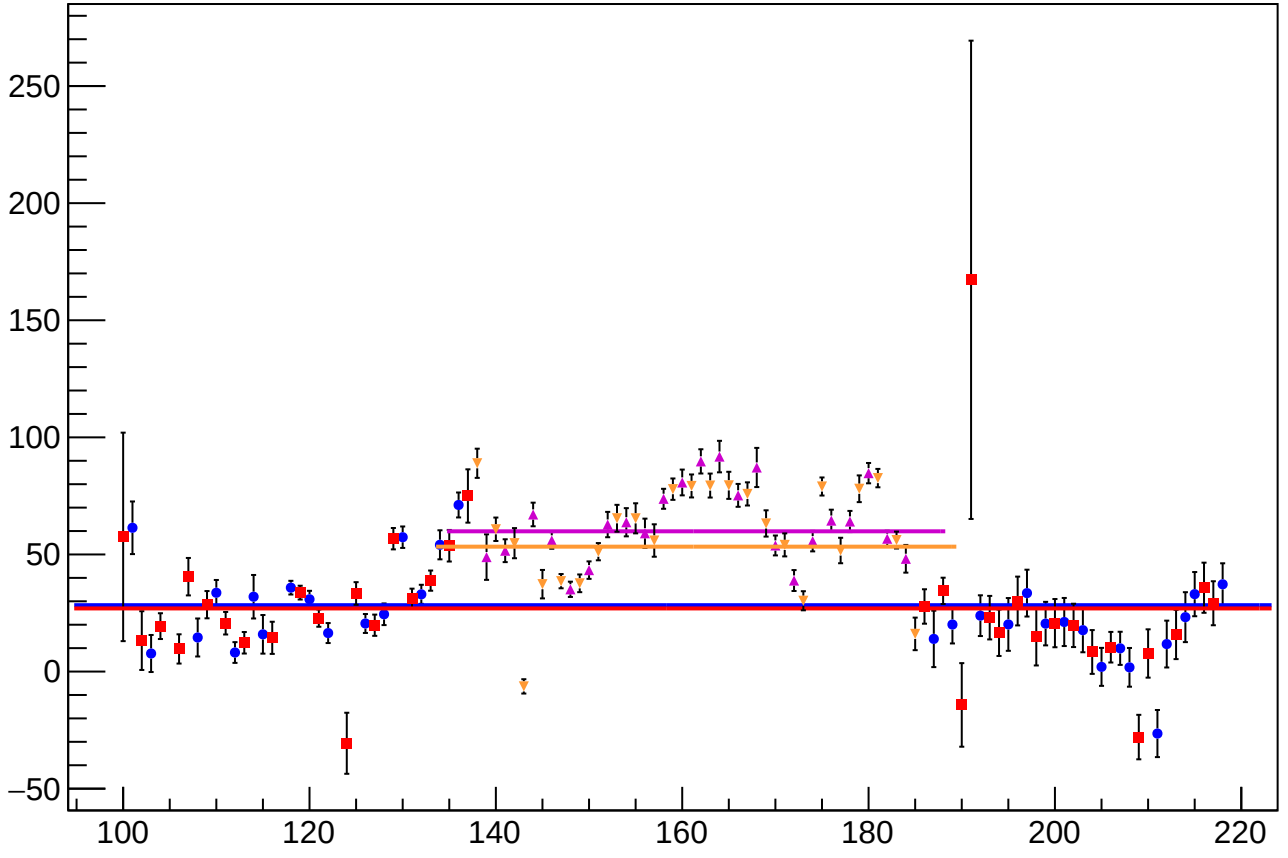
Left In: 193.026+/-1.122 χ^2/NDF:2512.0/22

+ sign 184.238+/-0.682 χ^2/NDF: 9475.4/56

All: 190.240+/-0.477 χ^2/NDF: 19766.8/115

- sign 195.997+/-0.668 χ^2/NDF: 10139.9/58

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs Slug



Right In: 28.344+/-1.076 χ^2/NDF: 252.6/31

Left Out: 53.331+/-0.922 χ^2/NDF:778.9/24

Right Out: 26.953+/-1.057 χ^2/NDF: 206.1/35

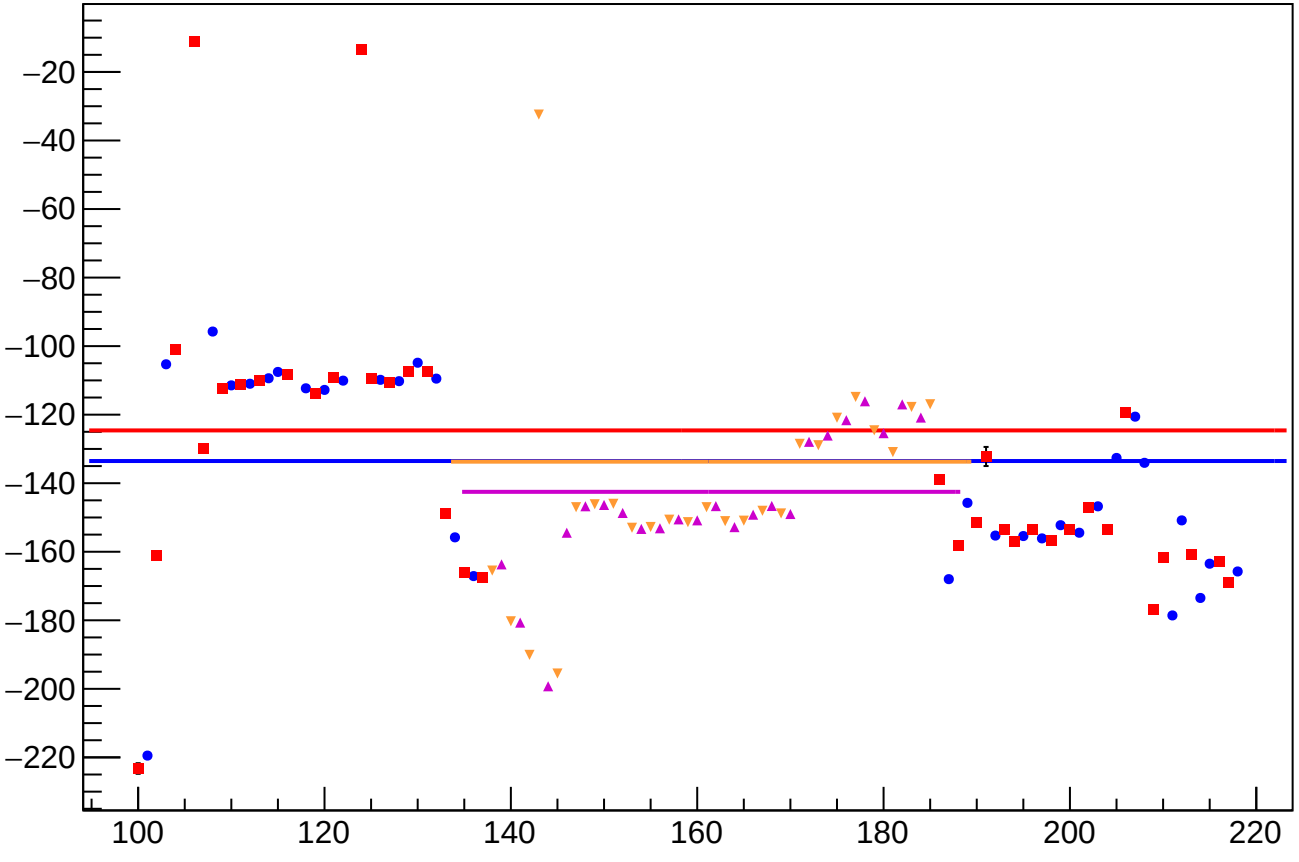
Left In: 59.887+/-0.977 χ^2/NDF:251.2/22

\+ sign 42.758+/-0.700 χ^2/NDF: 1342.5/56

All: 43.713+/-0.501 χ^2/NDF: 2327.1/115

\- sign 44.717+/-0.717 χ^2/NDF: 980.9/58

reg_asym_atr1l2_avg_diff_bpm12X_slope vs Slug



Right In: -133.527+/-0.059 χ^2/NDF: 199350.0/31

Left Out: -133.709+/-0.043 χ^2/NDF:675925.6/24

Right Out: -124.595+/-0.057 χ^2/NDF: 533116.5/35

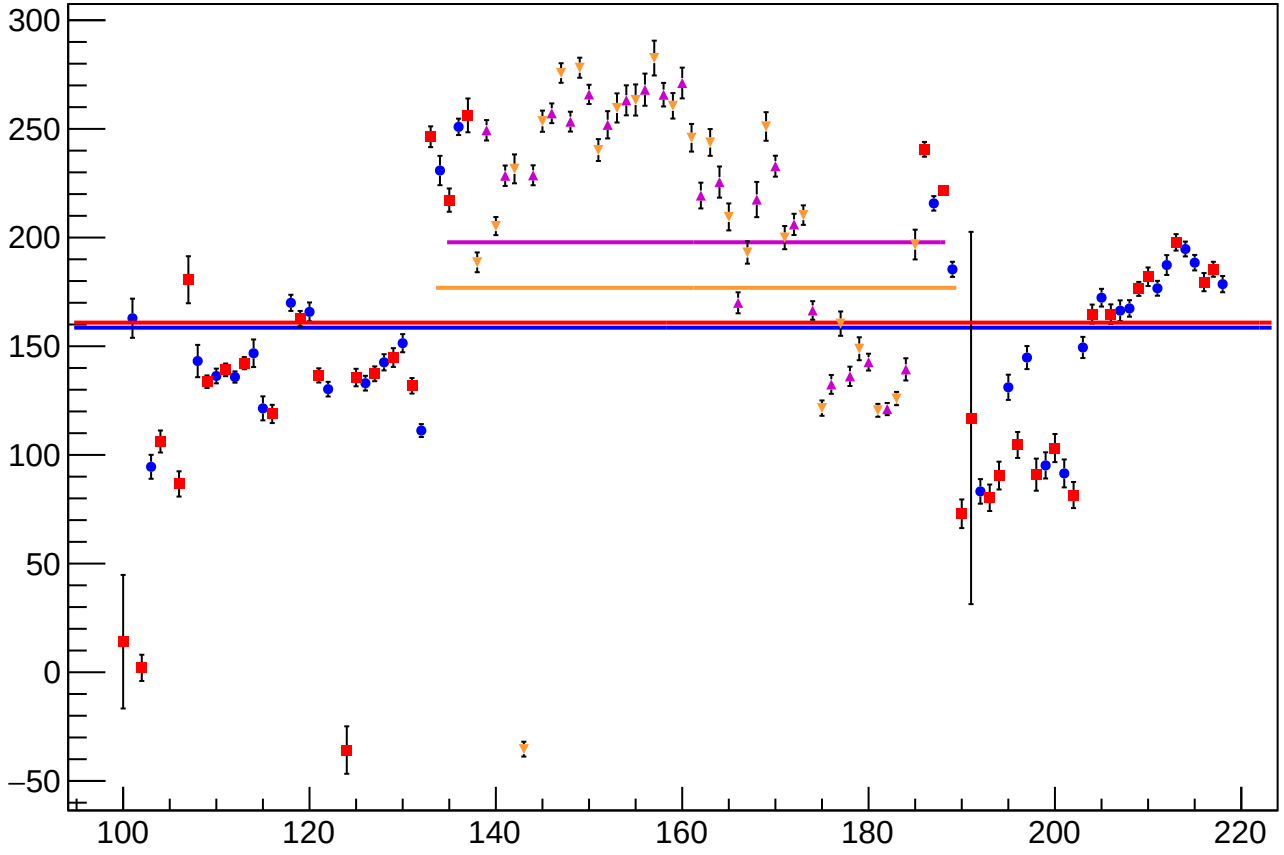
Left In: -142.518+/-0.044 χ^2/NDF:178481.1/22

+ sign -133.646+/-0.035 χ^2/NDF: 875281.8/56

All: -134.687+/-0.025 χ^2/NDF: 1650199.9/11

- sign -135.749+/-0.035 χ^2/NDF: 773098.8/58

reg_asym_atr1l2_dd_diff_bpm1X_slope vs Slug



Right In: 158.545+/-0.725 χ^2/NDF: 2519.0/31

Left Out: 176.884+/-0.958 χ^2/NDF:7424.8/24

Right Out: 160.876+/-0.686 χ^2/NDF: 5256.0/35

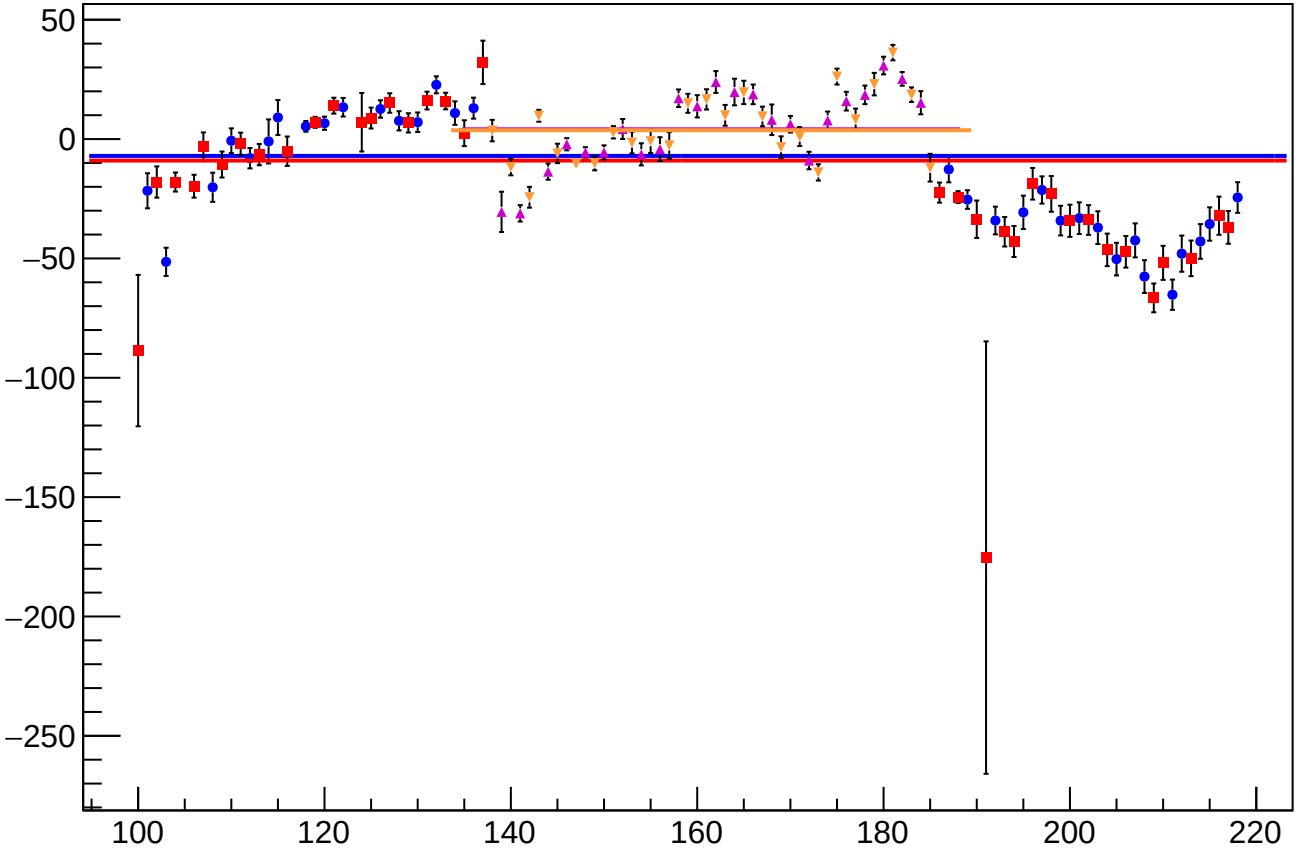
Left In: 197.829+/-1.006 χ^2/NDF:2968.0/22

+ sign 165.233+/-0.578 χ^2/NDF: 10176.7/56

All: 168.993+/-0.405 χ^2/NDF: 19404.4/115

- sign 172.608+/-0.567 χ^2/NDF: 9144.7/58

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs Slug



Right In: -7.053+/-0.852 χ^2/NDF: 709.1/31

Left Out: 3.708+/-0.723 χ^2/NDF:400.9/24

Right Out: -8.999+/-0.818 χ^2/NDF: 702.0/35

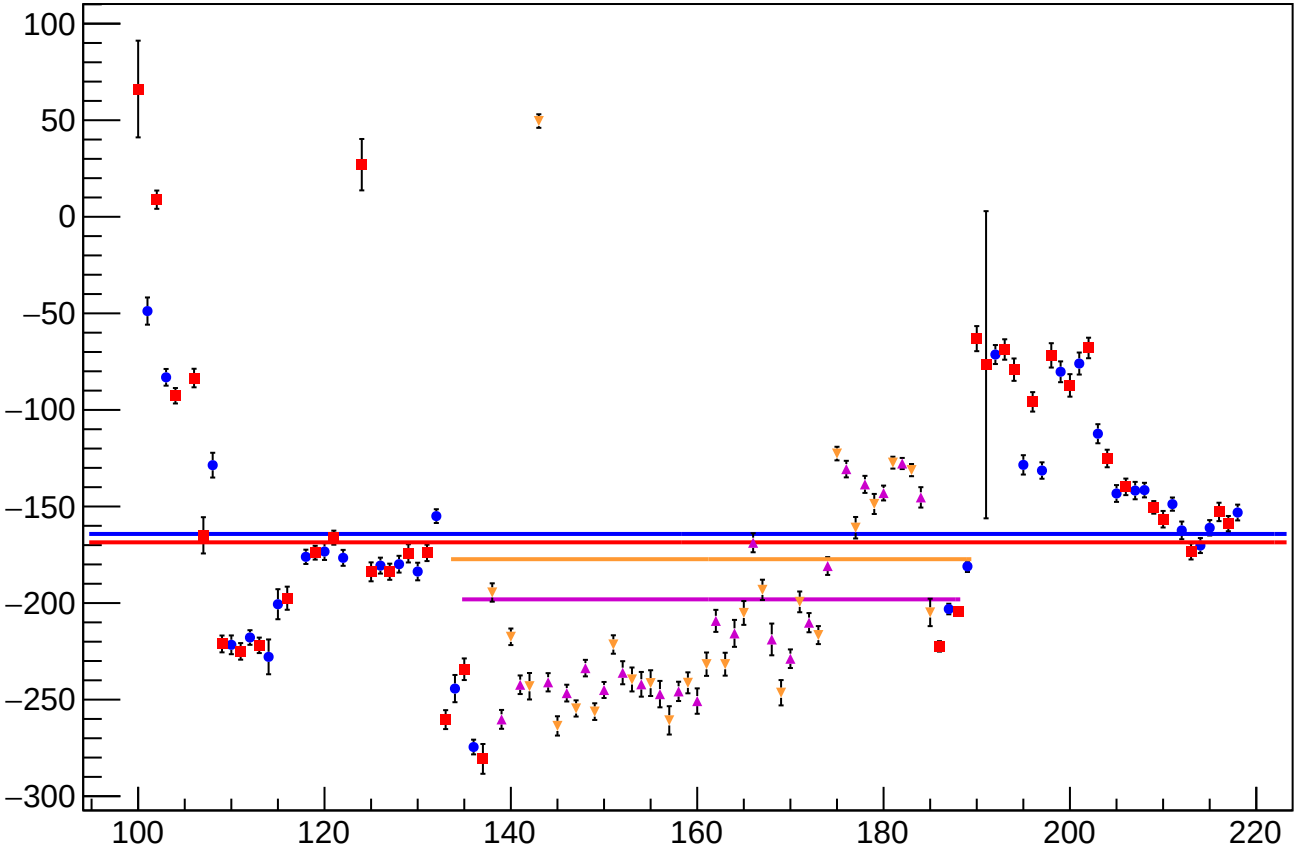
Left In: 4.102+/-0.769 χ^2/NDF:398.9/22

+ sign -0.802+/-0.551 χ^2/NDF: 1202.8/56

All: -1.411+/-0.393 χ^2/NDF: 2442.4/115

- sign -2.041+/-0.560 χ^2/NDF: 1237.1/58

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs Slug



Right In: -164.213+/-0.758 χ^2/NDF: 3516.2/31

Left Out: -177.283+/-0.956 χ^2/NDF:7040.0/24

Right Out: -168.554+/-0.695 χ^2/NDF: 6711.3/35

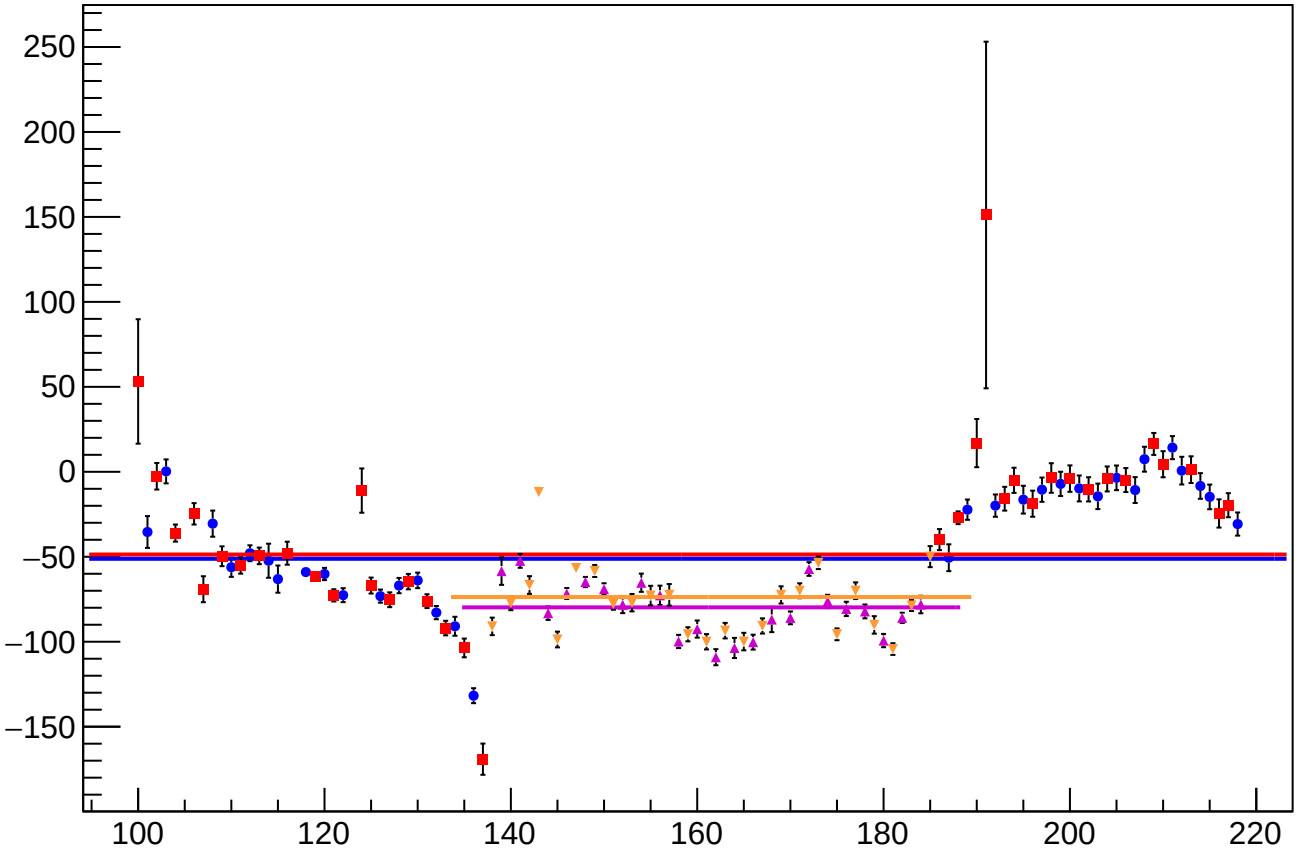
Left In: -198.088+/-1.000 χ^2/NDF:2386.2/22

+ sign -169.260+/-0.594 χ^2/NDF: 10670.8/56

All: -173.896+/-0.412 χ^2/NDF: 20473.5/115

- sign -178.176+/-0.571 χ^2/NDF: 9685.6/58

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs Slug



Right In: -51.189+/-0.989 χ^2/NDF: 1133.9/31

Left Out: -73.706+/-0.829 χ^2/NDF:839.6/24

Right Out: -48.677+/-0.966 χ^2/NDF: 1138.5/35

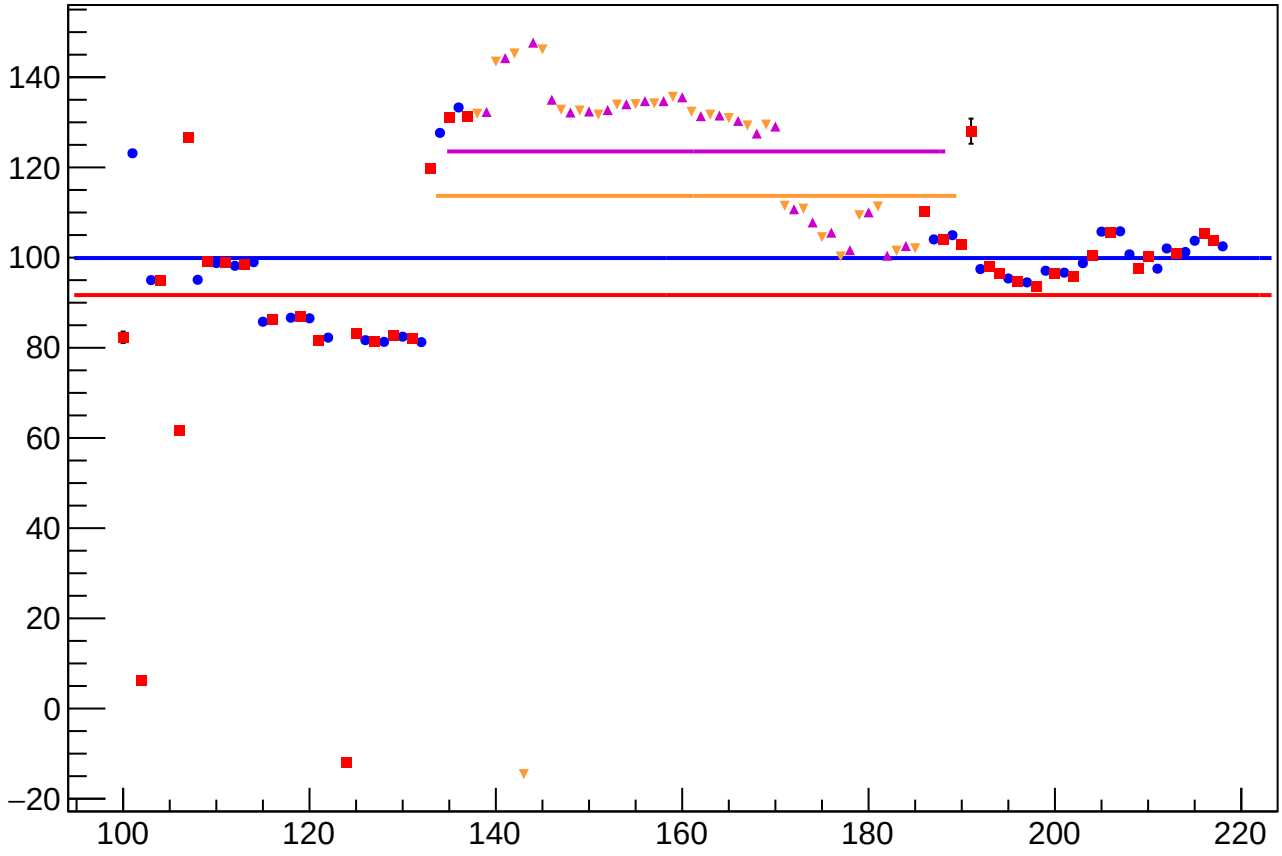
Left In: -79.777+/-0.874 χ^2/NDF:277.1/22

\+ sign -64.412+/-0.635 χ^2/NDF: 2278.1/56

All: -65.080+/-0.454 χ^2/NDF: 4266.0/115

\- sign -65.776+/-0.648 χ^2/NDF: 1985.7/58

reg_asym_atr1l2_dd_diff_bpm12X_slope vs Slug



Right In: 99.900+/-0.051 χ^2/NDF: 70298.4/31

Left Out: 113.687+/-0.038 χ^2/NDF:963156.9/24

Right Out: 91.687+/-0.049 χ^2/NDF: 291172.8/35

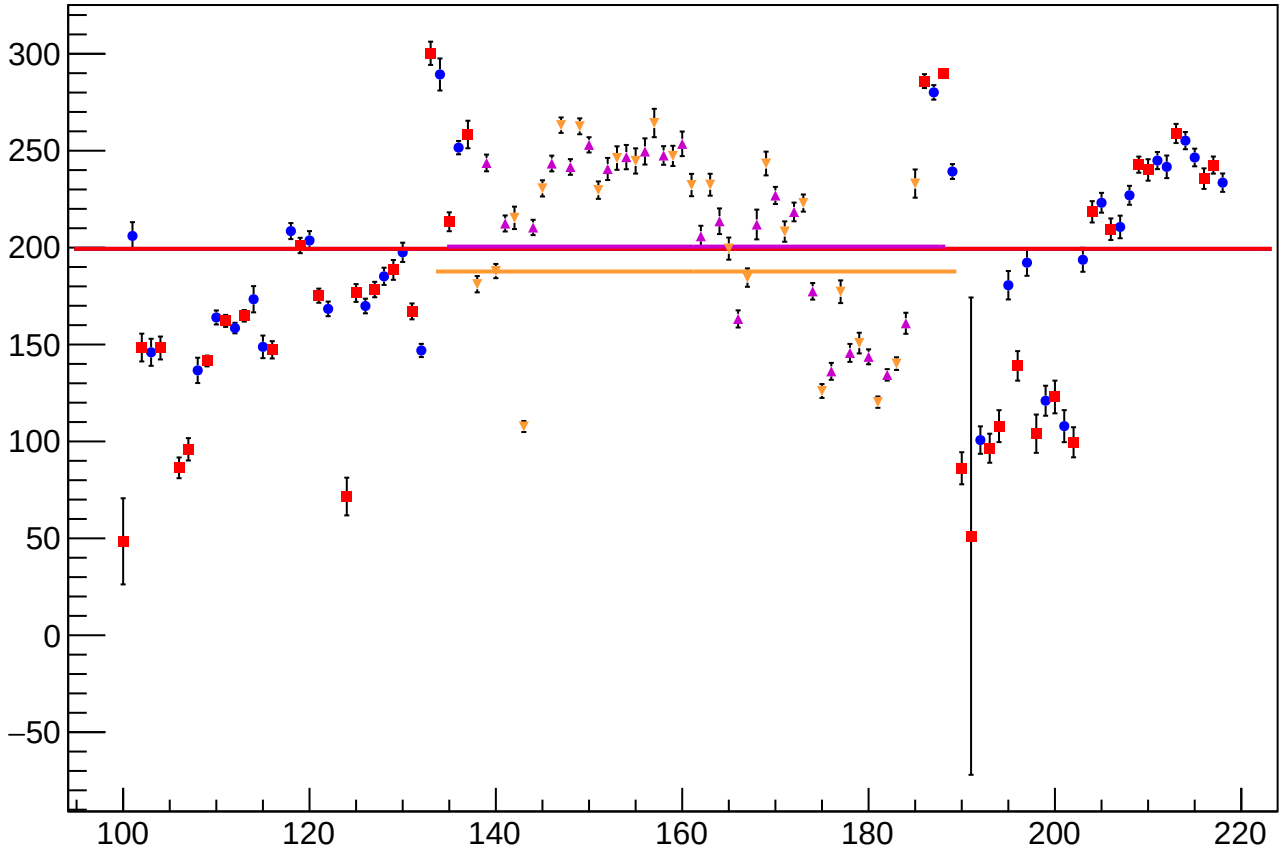
Left In: 123.538+/-0.040 χ^2/NDF:134613.3/22

+ sign 108.712+/-0.031 χ^2/NDF: 1080070.4/56

All: 109.775+/-0.022 χ^2/NDF: 1765898.2/115

- sign 110.843+/-0.031 χ^2/NDF: 683417.8/58

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs Slug



Right In: 199.347+/-0.836 χ^2/NDF: 2820.0/31

Left Out: 187.681+/-0.898 χ^2/NDF:3528.3/24

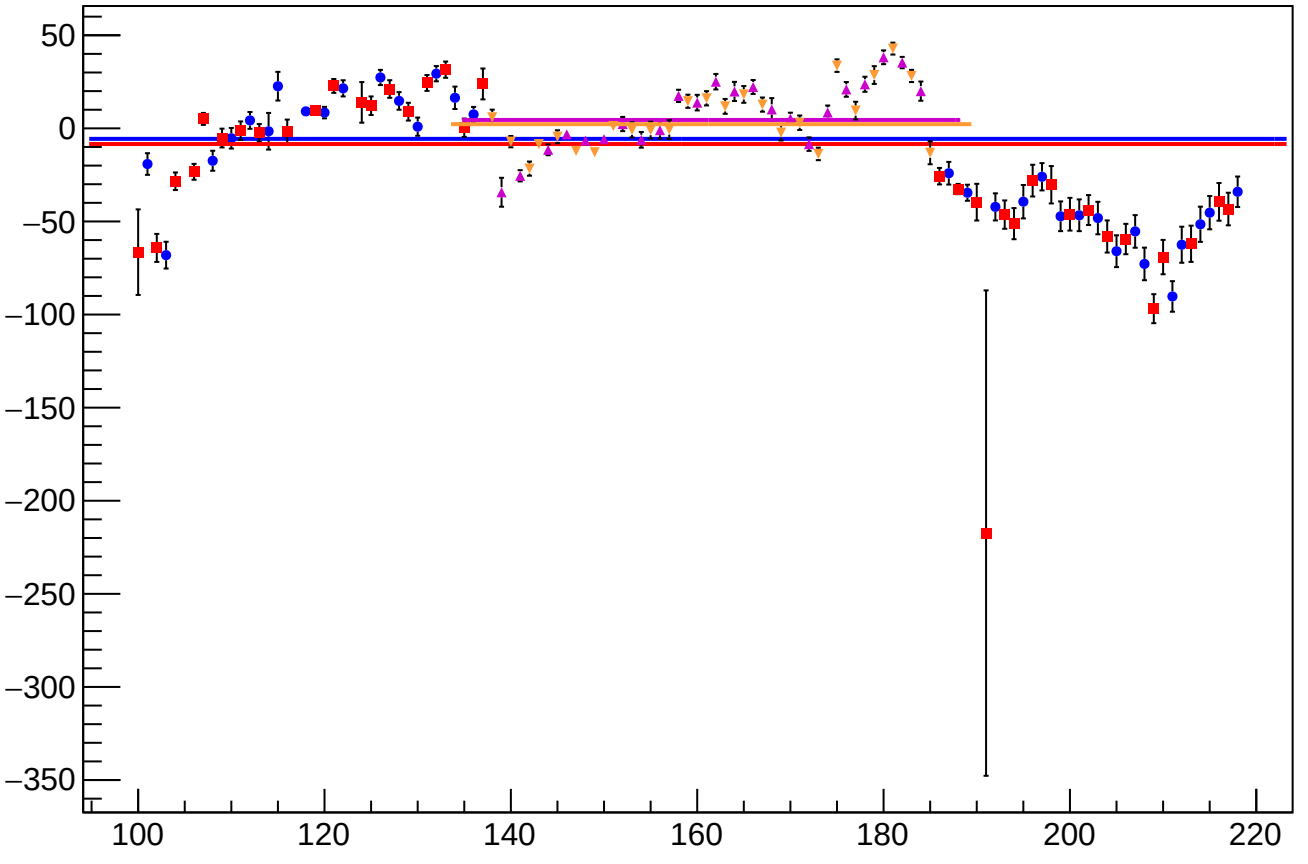
Right Out: 199.385+/-0.771 χ^2/NDF: 6522.1/35

Left In: 200.521+/-0.955 χ^2/NDF:2111.4/22

+ sign 193.929+/-0.612 χ^2/NDF: 6438.8/56

All: 196.939+/-0.428 χ^2/NDF: 15120.6/115

- sign 199.833+/-0.600 χ^2/NDF: 8634.4/58



Right In: -5.641+/-0.960 χ^2/NDF: 894.0/31

Left Out: 2.245+/-0.665 χ^2/NDF:600.9/24

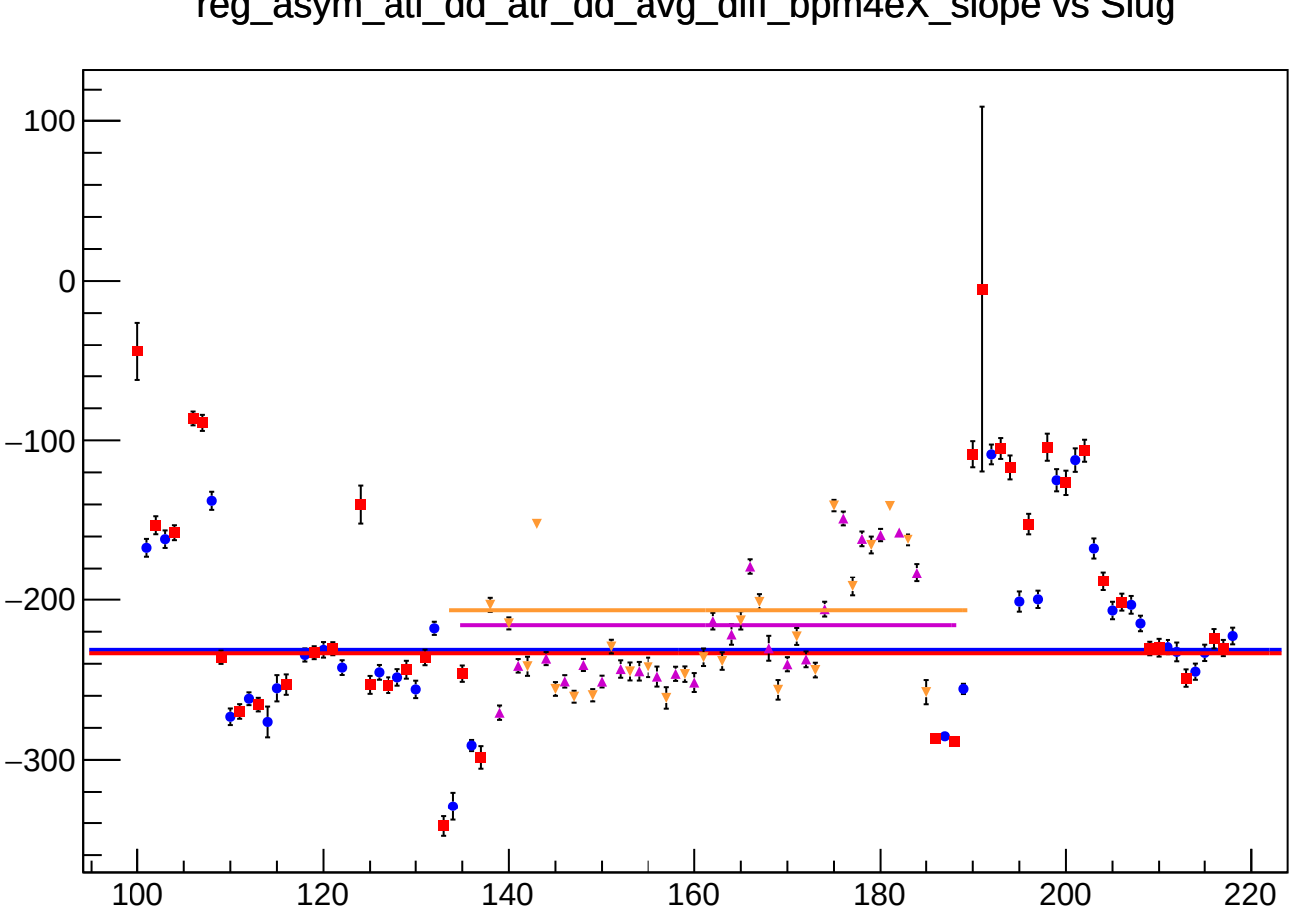
Right Out: -8.417+/-0.893 χ^2/NDF: 972.0/35

Left In: 4.513+/-0.714 χ^2/NDF:547.1/22

+ sign -0.308+/-0.546 χ^2/NDF: 1540.5/56

All: -0.416+/-0.390 χ^2/NDF: 3187.5/115

- sign -0.528+/-0.558 χ^2/NDF: 1646.9/58



Right In: -231.326+/-0.876 χ^2/NDF: 2693.5/31

Left Out: -206.617+/-0.895 χ^2/NDF:2467.8/24

Right Out: -233.452+/-0.783 χ^2/NDF: 6671.0/35

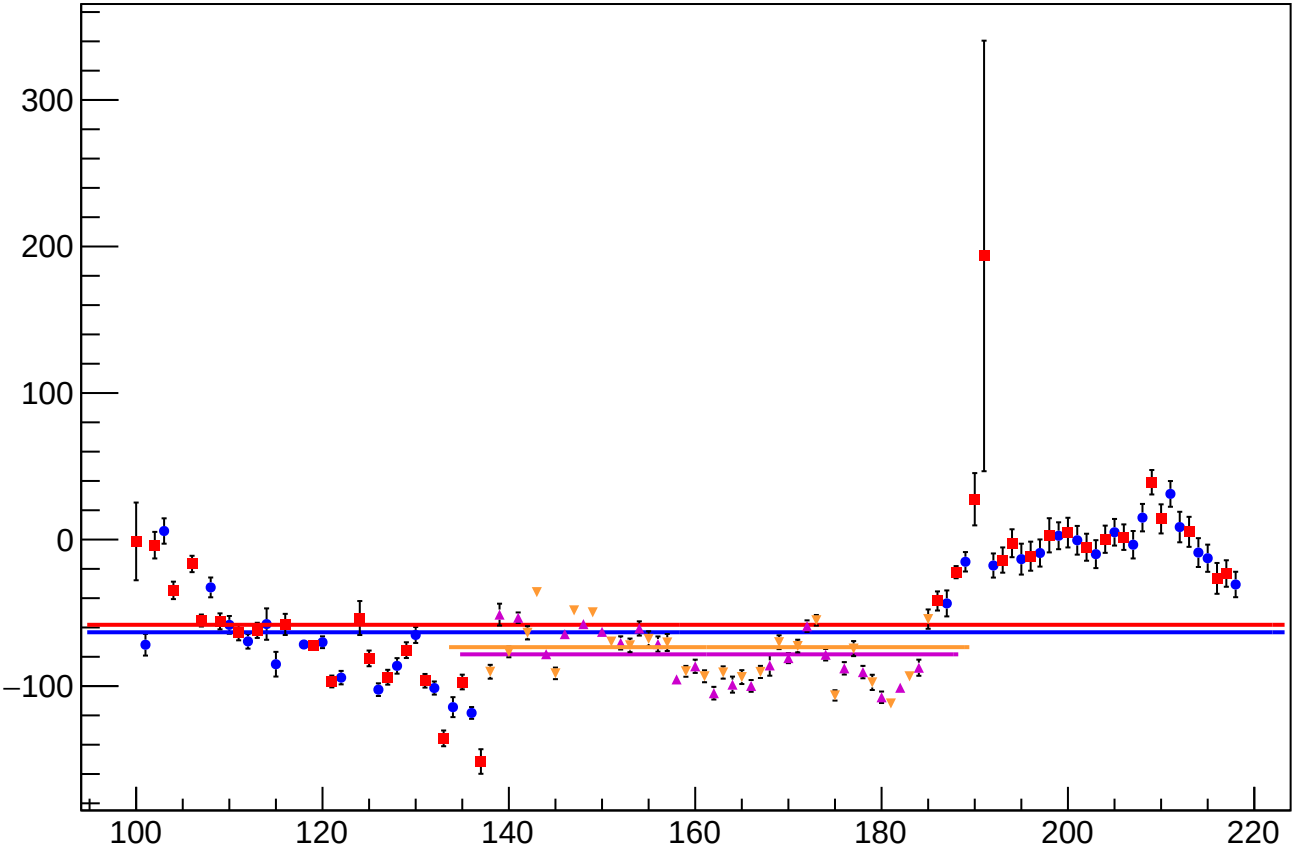
Left In: -215.938+/-0.946 χ^2/NDF:1711.9/22

+ sign -219.226+/-0.626 χ^2/NDF: 5550.5/56

All: -222.910+/-0.434 χ^2/NDF: 14203.5/115

- sign -226.331+/-0.603 χ^2/NDF: 8586.3/58

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs Slug



Right In: -63.270+/-1.118 χ^2/NDF: 1239.2/31

Left Out: -73.426+/-0.767 χ^2/NDF:836.6/24

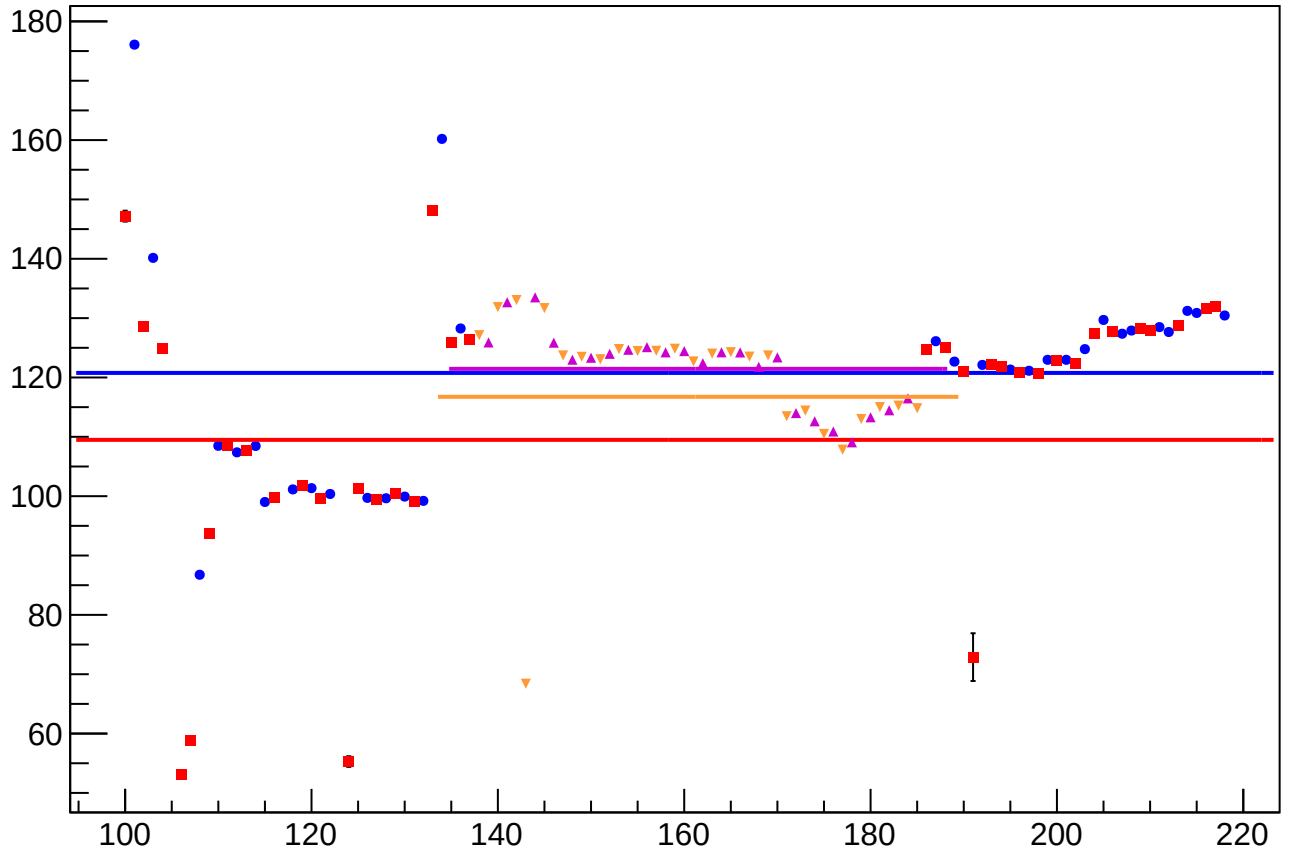
Right Out: -58.171+/-1.061 χ^2/NDF: 1387.5/35

Left In: -78.329+/-0.817 χ^2/NDF:443.2/22

\+ sign -70.175+/-0.632 χ^2/NDF: 2131.9/56

All: -70.489+/-0.452 χ^2/NDF: 4189.8/115

\- sign -70.817+/-0.647 χ^2/NDF: 2057.4/58



Right In: 120.770+/-0.059 χ^2/NDF: 100295.4/31

Left Out: 116.740+/-0.036 χ^2/NDF:203650.9/24

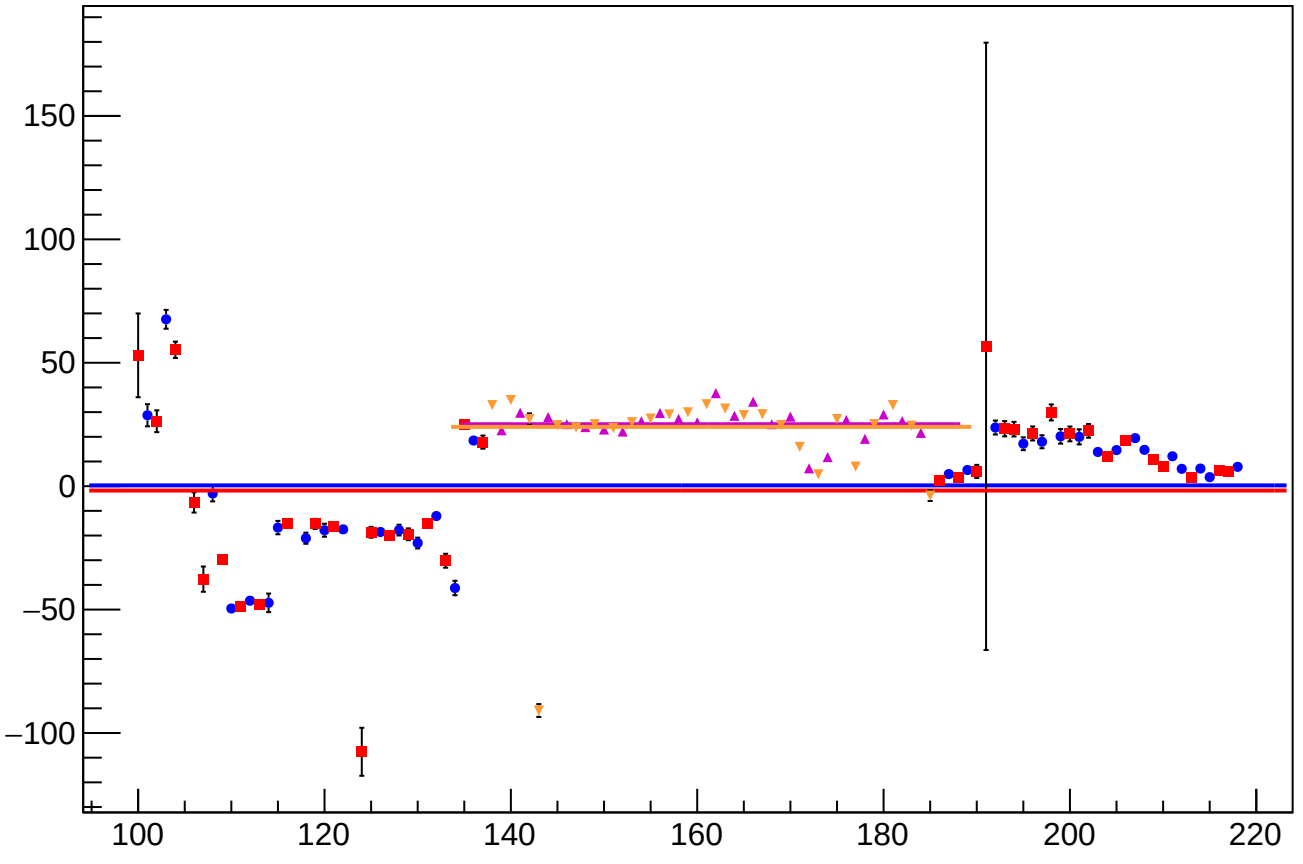
Right Out: 109.489+/-0.054 χ^2/NDF: 216875.2/35

Left In: 121.455+/-0.037 χ^2/NDF:28796.4/22

+ sign 117.831+/-0.031 χ^2/NDF: 307371.3/56

All: 117.731+/-0.022 χ^2/NDF: 586012.2/115

- sign 117.631+/-0.031 χ^2/NDF: 278619.7/58



Right In: 0.313+/-0.347 χ^2/NDF: 3733.1/31

Left Out: 24.025+/-0.282 χ^2/NDF:2802.2/24

Right Out: -1.767+/-0.337 χ^2/NDF: 3941.8/35

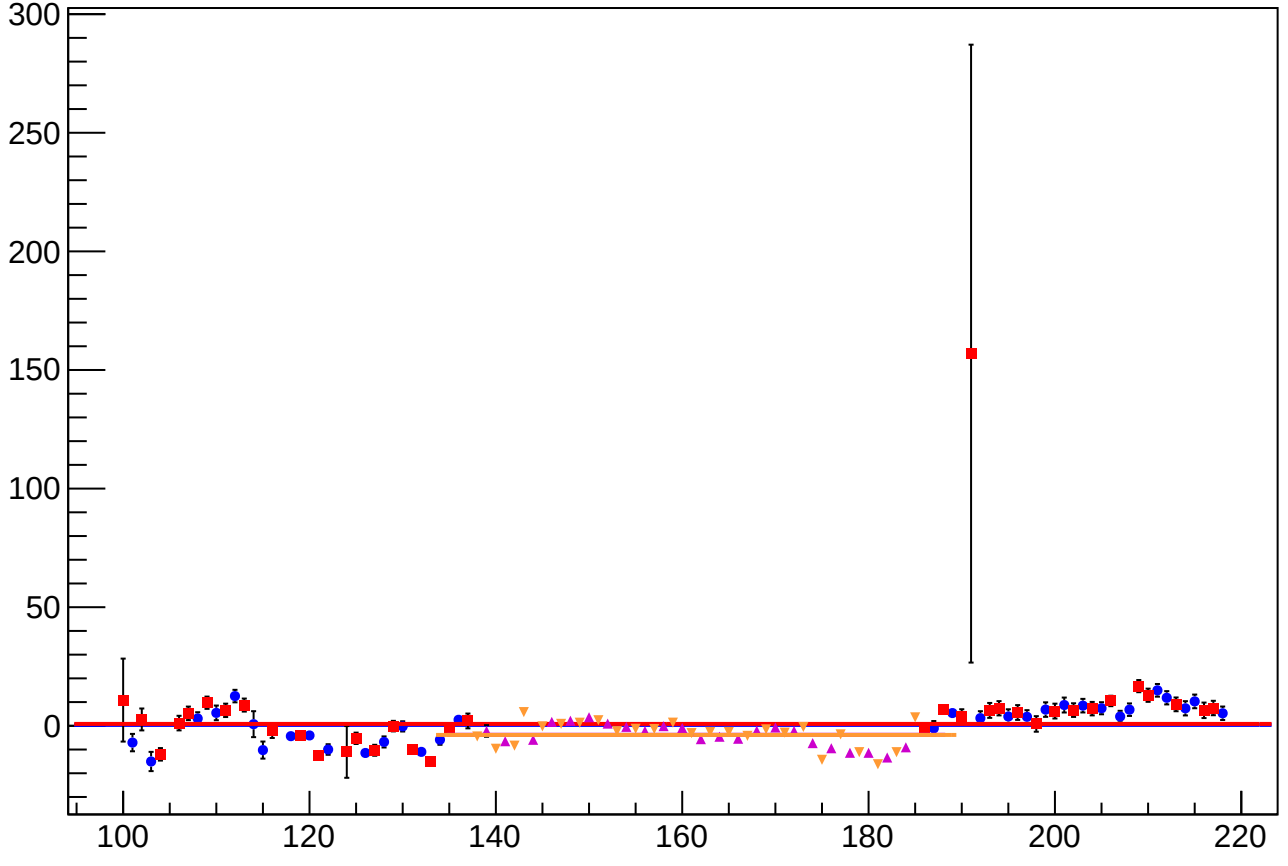
Left In: 25.089+/-0.287 χ^2/NDF:495.3/22

+ sign 14.600+/-0.219 χ^2/NDF: 9345.2/56

All: 14.201+/-0.155 χ^2/NDF: 17463.3/115

- sign 13.803+/-0.219 χ^2/NDF: 8111.5/58

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs Slug



Right In: 0.381+/-0.431 χ^2/NDF: 289.6/31

Left Out: -3.845+/-0.218 χ^2/NDF:649.4/24

Right Out: 0.798+/-0.420 χ^2/NDF: 363.6/35

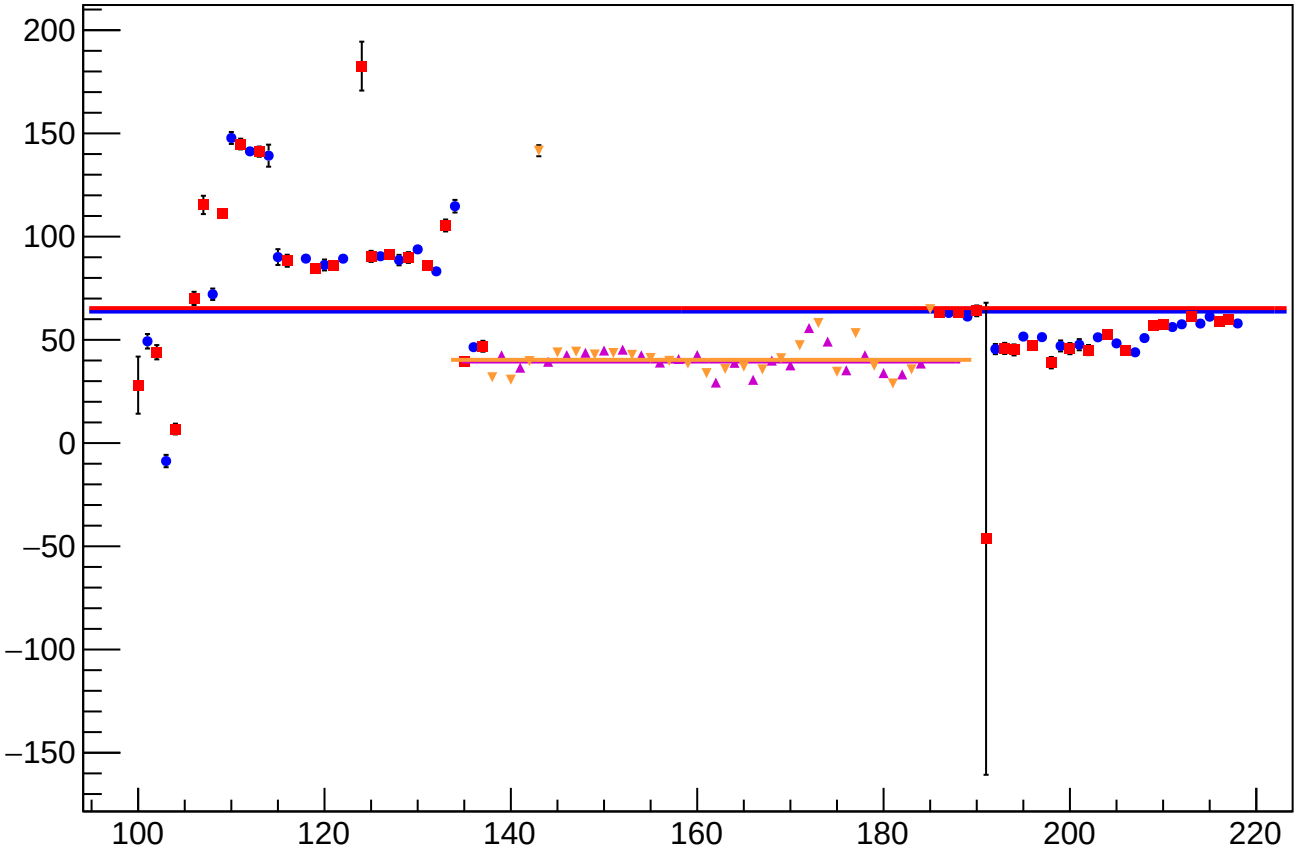
Left In: -3.780+/-0.224 χ^2/NDF:509.8/22

+ sign -2.985+/-0.194 χ^2/NDF: 1015.5/56

All: -2.879+/-0.138 χ^2/NDF: 1982.2/115

- sign -2.769+/-0.197 χ^2/NDF: 966.0/58

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs Slug



Right In: 63.697+/-0.359 χ^2/NDF: 4688.9/31

Left Out: 40.315+/-0.280 χ^2/NDF:2182.8/24

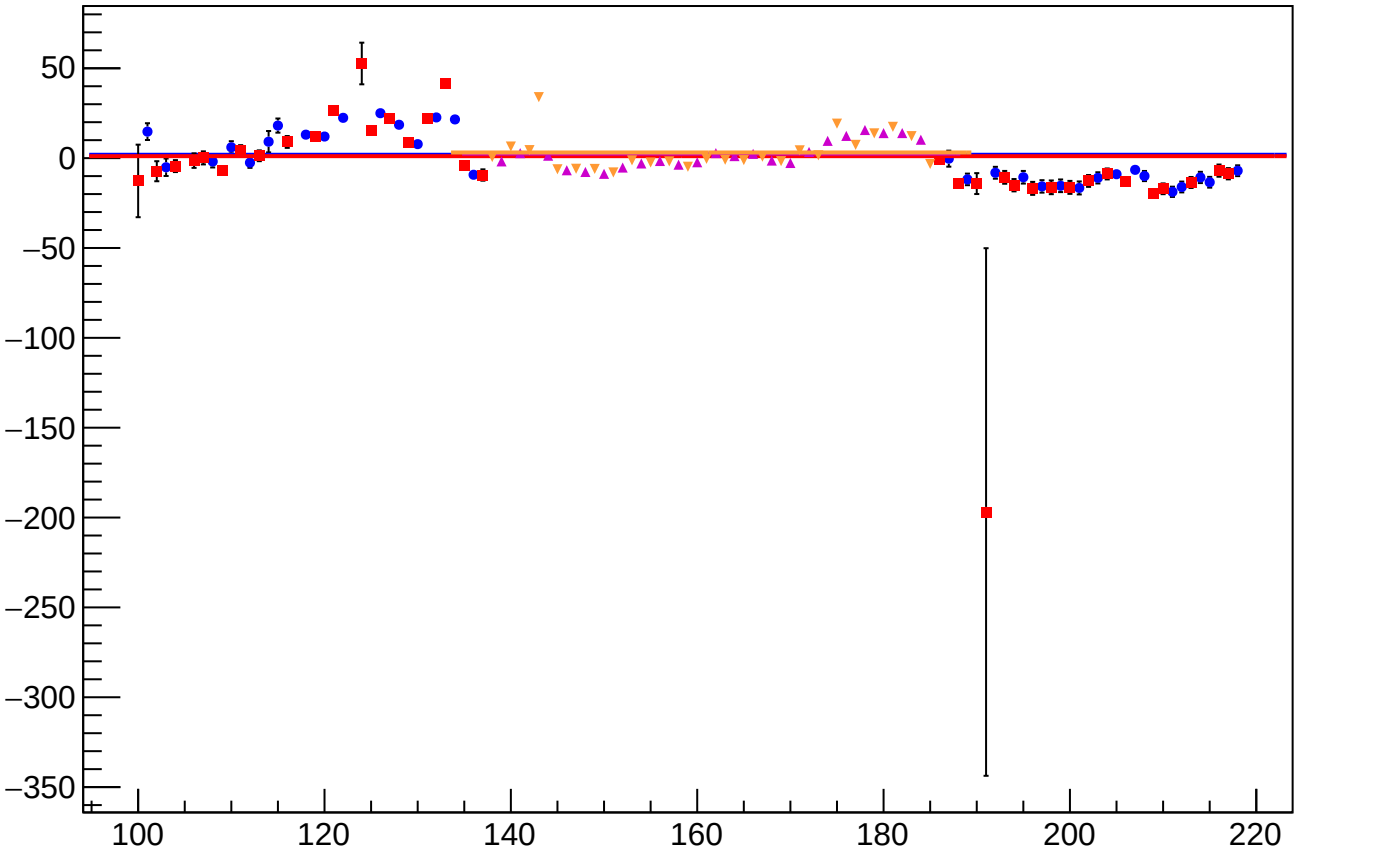
Right Out: 65.360+/-0.340 χ^2/NDF: 4856.7/35

Left In: 39.504+/-0.285 χ^2/NDF:432.1/22

\+ sign 49.158+/-0.221 χ^2/NDF: 9506.2/56

All: 49.664+/-0.155 χ^2/NDF: 18203.0/115

\- sign 50.157+/-0.218 χ^2/NDF: 8686.5/58



Right In: 1.871+/-0.489 χ^2/NDF: 859.3/31

Left Out: 3.142+/-0.245 χ^2/NDF:1267.0/24

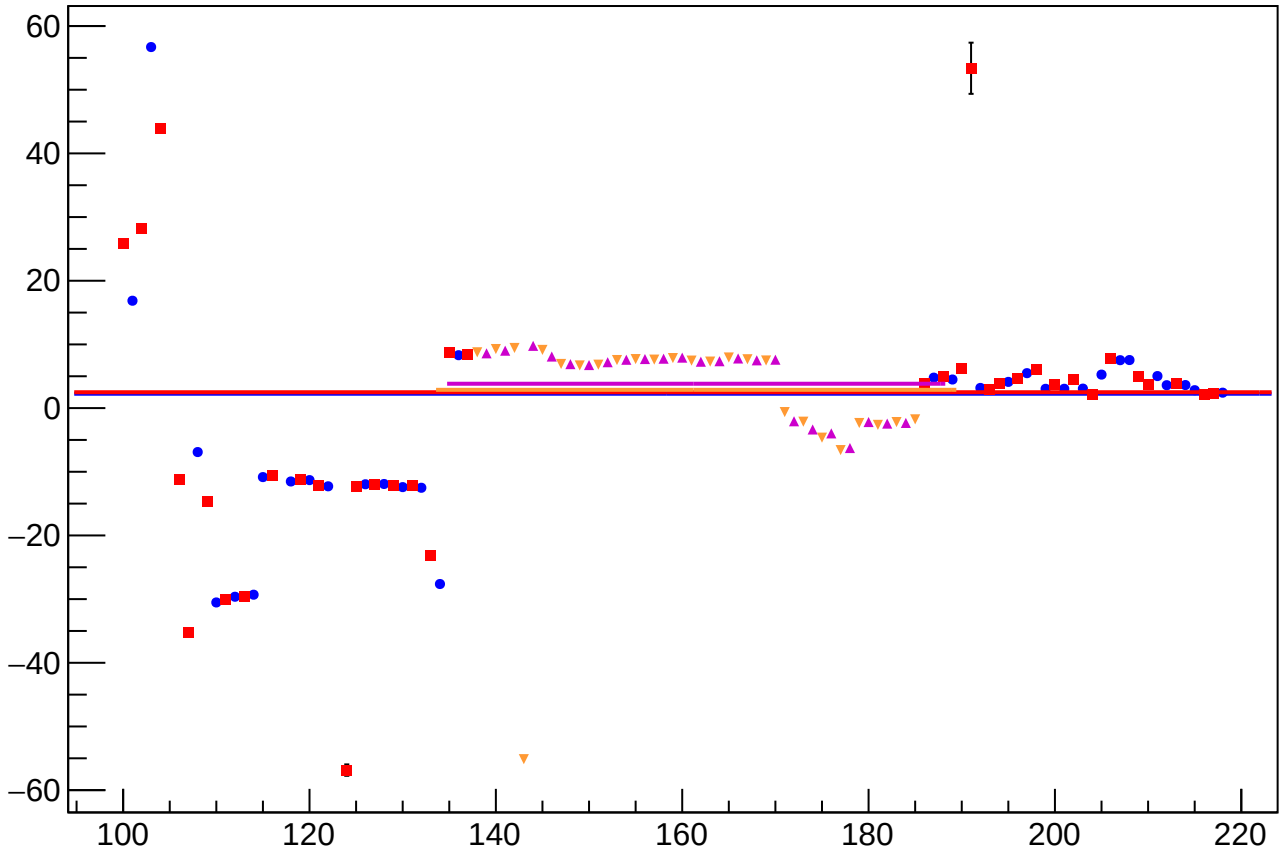
Right Out: 1.091+/-0.490 χ^2/NDF: 1042.2/35

Left In: 2.519+/-0.251 χ^2/NDF:968.2/22

+ sign 2.886+/-0.219 χ^2/NDF: 2131.7/56

All: 2.560+/-0.157 χ^2/NDF: 4153.3/115

- sign 2.221+/-0.223 χ^2/NDF: 2017.1/58



Right In: 2.256+/-0.023 χ^2/NDF: 383015.4/31

Left Out: 2.870+/-0.011 χ^2/NDF:512331.0/24

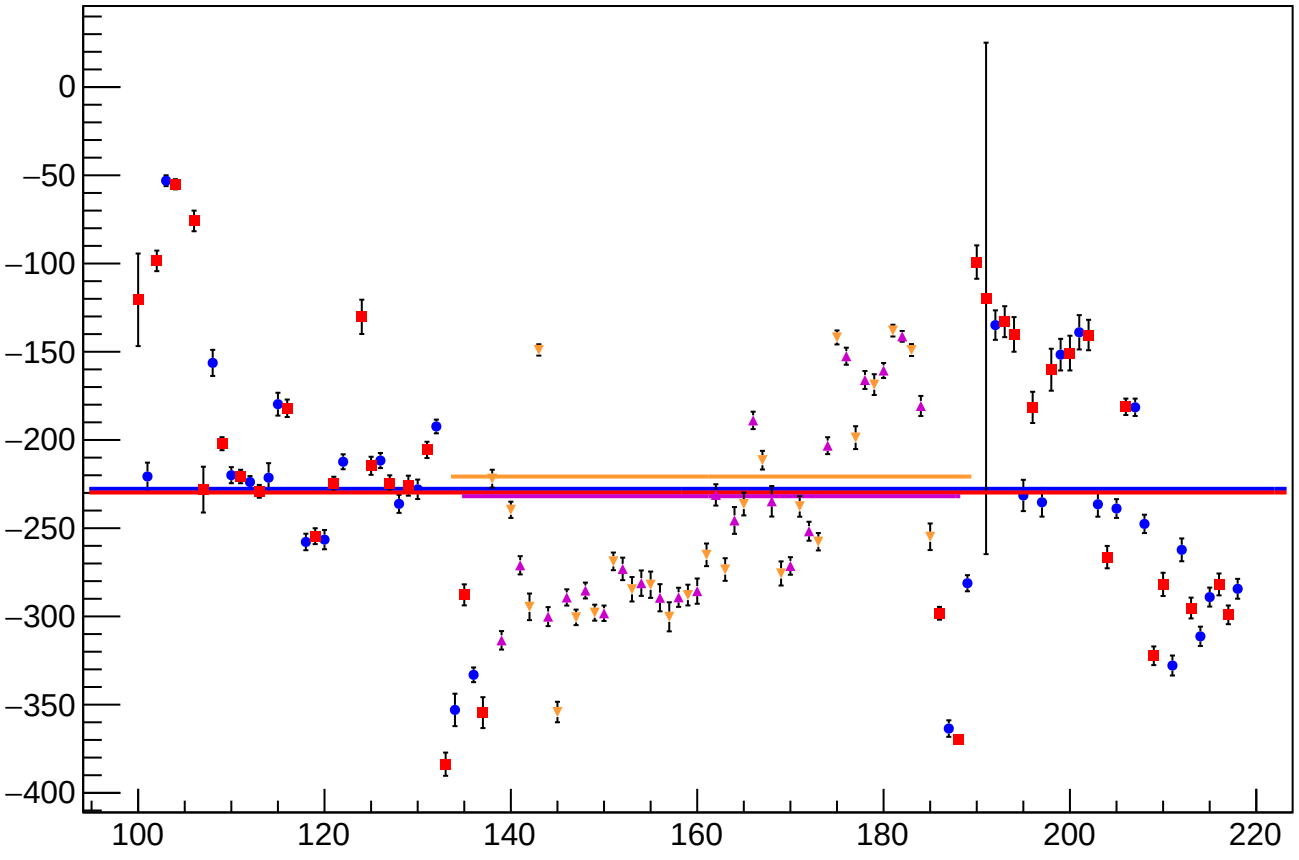
Right Out: 2.490+/-0.024 χ^2/NDF: 330761.8/35

Left In: 3.825+/-0.011 χ^2/NDF:233224.7/22

+ sign 2.759+/-0.010 χ^2/NDF: 895914.1/56

All: 3.166+/-0.007 χ^2/NDF: 1465929.0/115

- sign 3.582+/-0.010 χ^2/NDF: 566615.5/58



Right In: -227.677+/-0.929 χ^2/NDF: 6576.1/31

Left Out: -220.723+/-1.018 χ^2/NDF:4052.2/24

Right Out: -229.765+/-0.868 χ^2/NDF: 11078.7/35

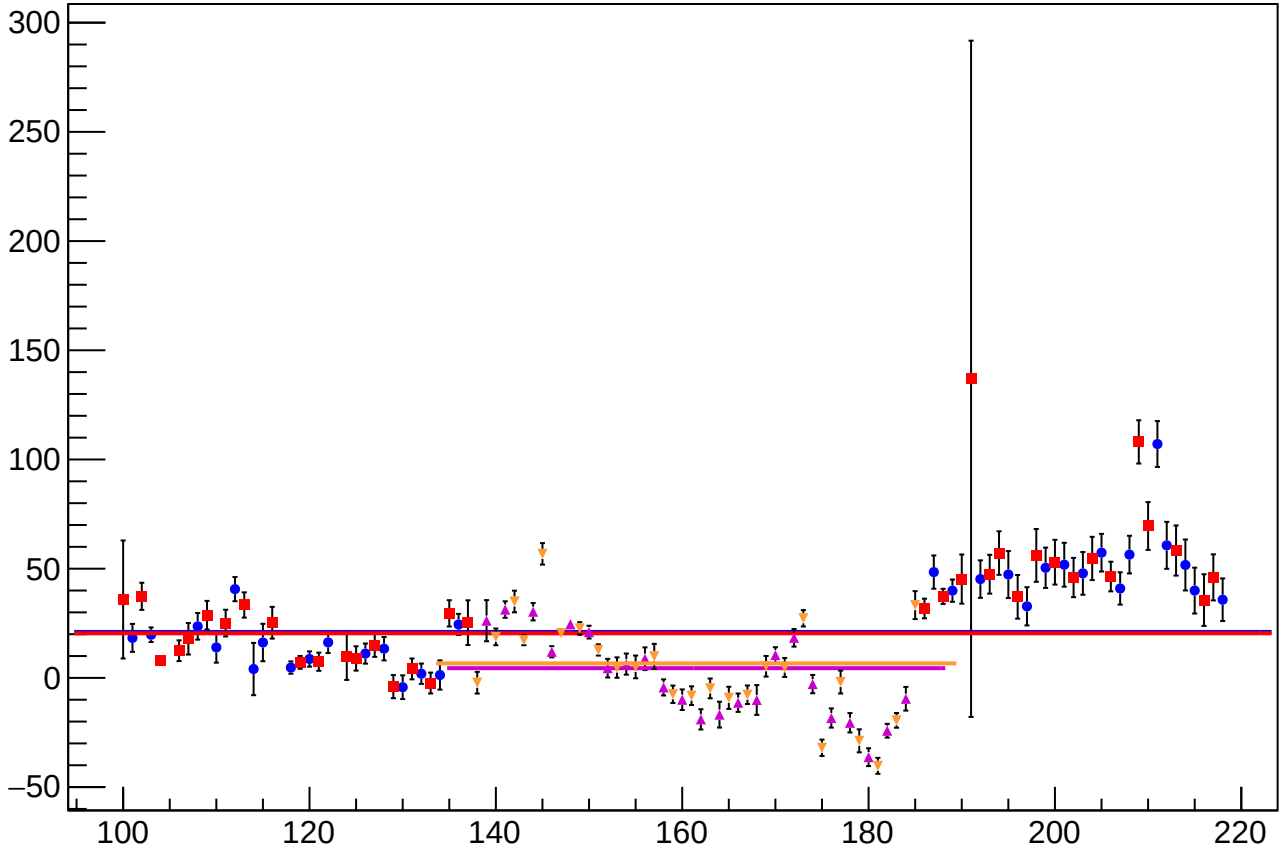
Left In: -231.871+/-1.077 χ^2/NDF:3160.3/22

+ sign -224.518+/-0.686 χ^2/NDF: 10653.8/56

All: -227.603+/-0.481 χ^2/NDF: 24934.9/115

- sign -230.594+/-0.676 χ^2/NDF: 14241.4/58

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs Slug



Right In: 21.041+/-1.052 χ^2/NDF: 322.3/31

Left Out: 6.643+/-0.752 χ^2/NDF:735.0/24

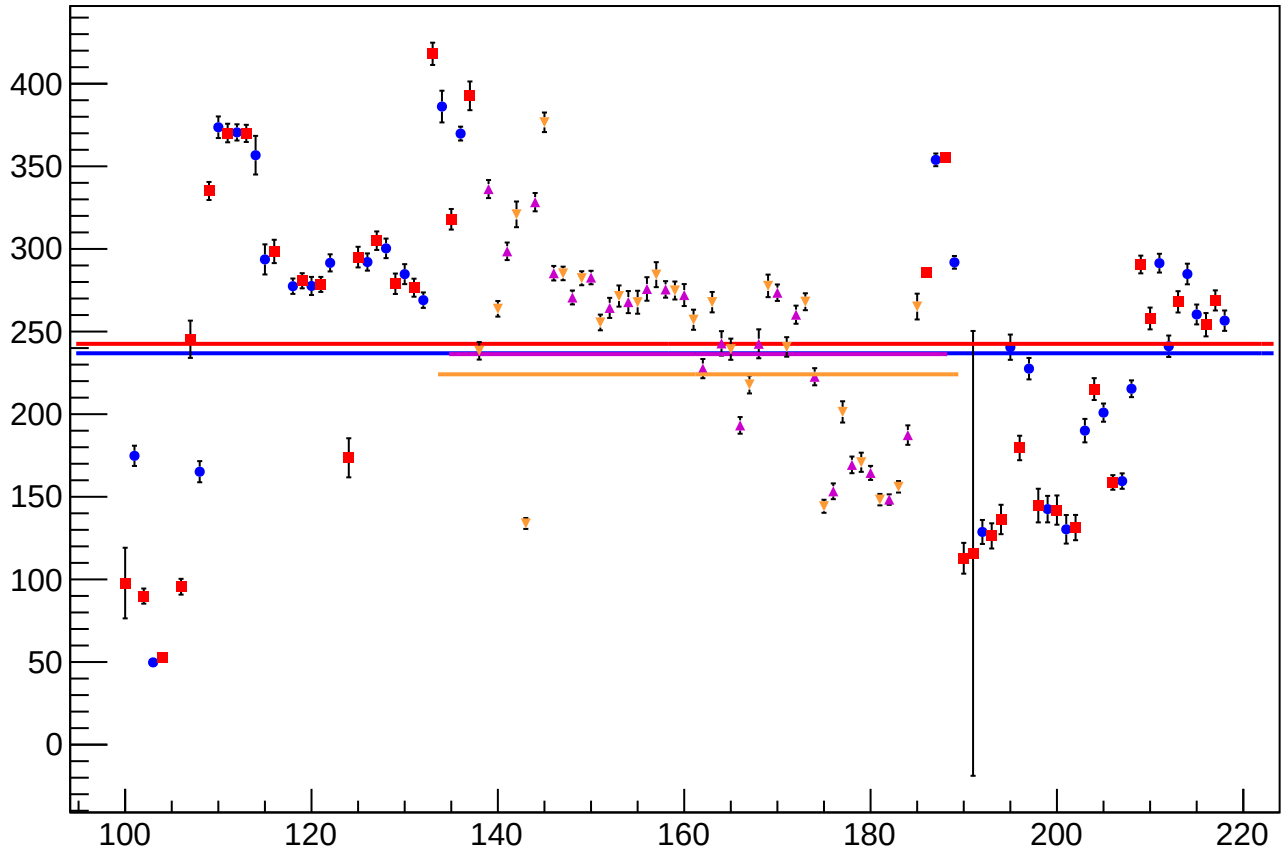
Right Out: 20.401+/-0.966 χ^2/NDF: 374.5/35

Left In: 4.447+/-0.807 χ^2/NDF:567.1/22

+ sign 11.517+/-0.612 χ^2/NDF: 1181.2/56

All: 11.264+/-0.435 χ^2/NDF: 2283.8/115

- sign 11.005+/-0.619 χ^2/NDF: 1102.2/58



Right In: 236.859+/-0.942 χ^2/NDF: 11604.7/31

Left Out: 224.123+/-1.014 χ^2/NDF:3966.6/24

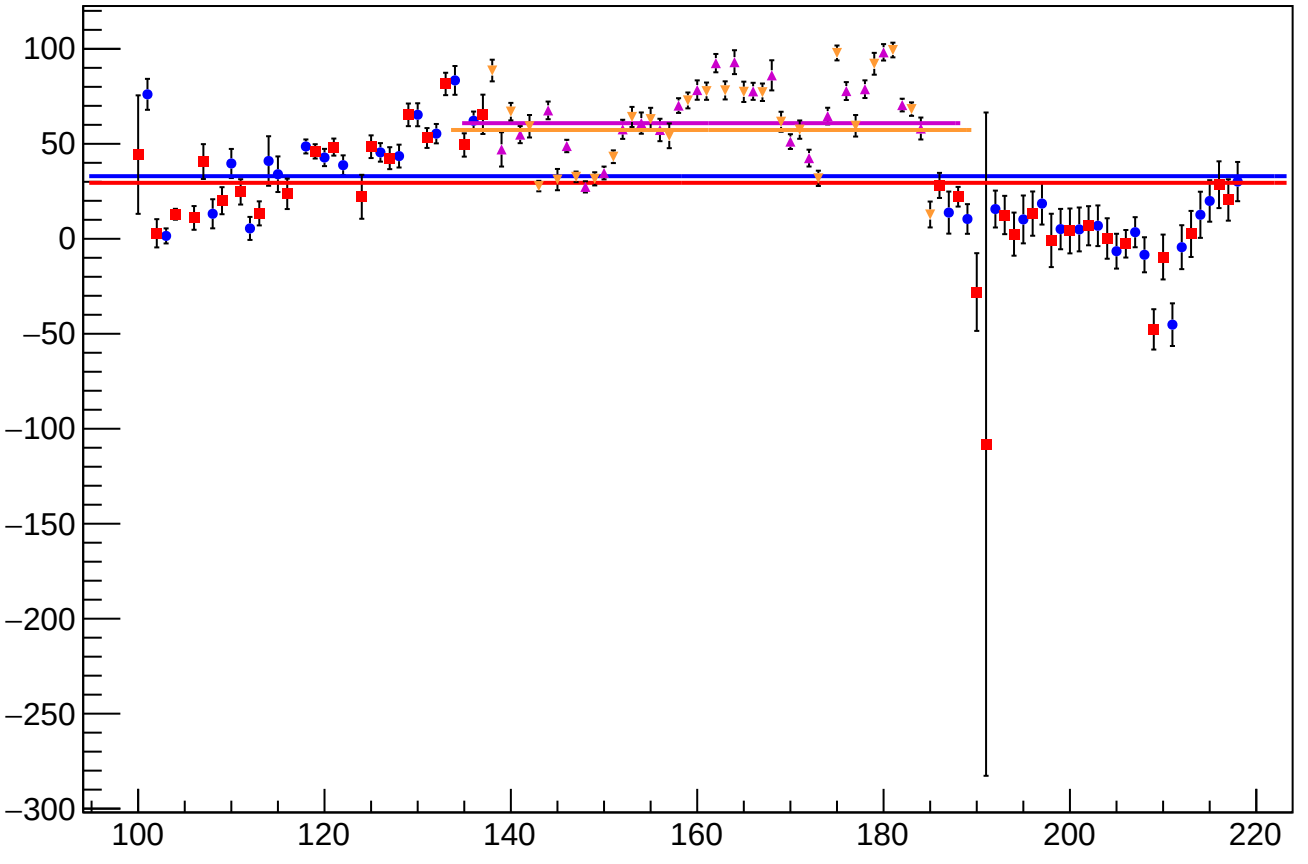
Right Out: 242.561+/-0.855 χ^2/NDF: 17100.4/35

Left In: 236.342+/-1.066 χ^2/NDF:2992.9/22

+ sign 230.955+/-0.690 χ^2/NDF: 15656.0/56

All: 235.699+/-0.480 χ^2/NDF: 35861.4/115

- sign 240.129+/-0.667 χ^2/NDF: 20114.1/58



Right In: 32.970+/-1.225 χ^2/NDF: 435.1/31

Left Out: 57.288+/-0.868 χ^2/NDF:767.9/24

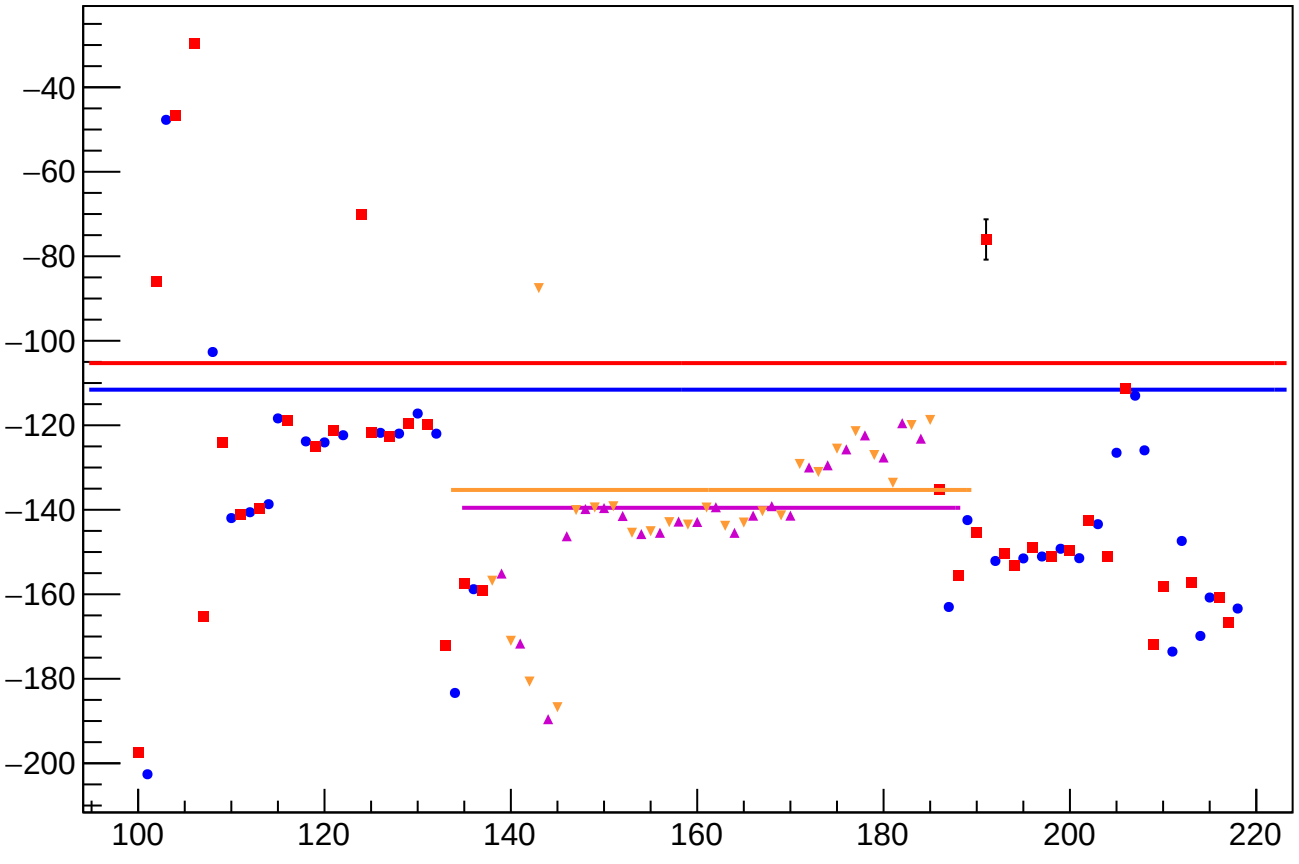
Right Out: 29.466+/-1.153 χ^2/NDF: 407.2/35

Left In: 60.877+/-0.923 χ^2/NDF:454.7/22

+ sign 49.161+/-0.708 χ^2/NDF: 1465.3/56

All: 48.896+/-0.505 χ^2/NDF: 2779.7/115

- sign 48.622+/-0.720 χ^2/NDF: 1314.1/58



Right In: -111.573+/-0.057 χ^2/NDF: 708427.5/31

Left Out: -135.305+/-0.041 χ^2/NDF:262874.5/24

Right Out: -105.284+/-0.055 χ^2/NDF: 772302.0/35

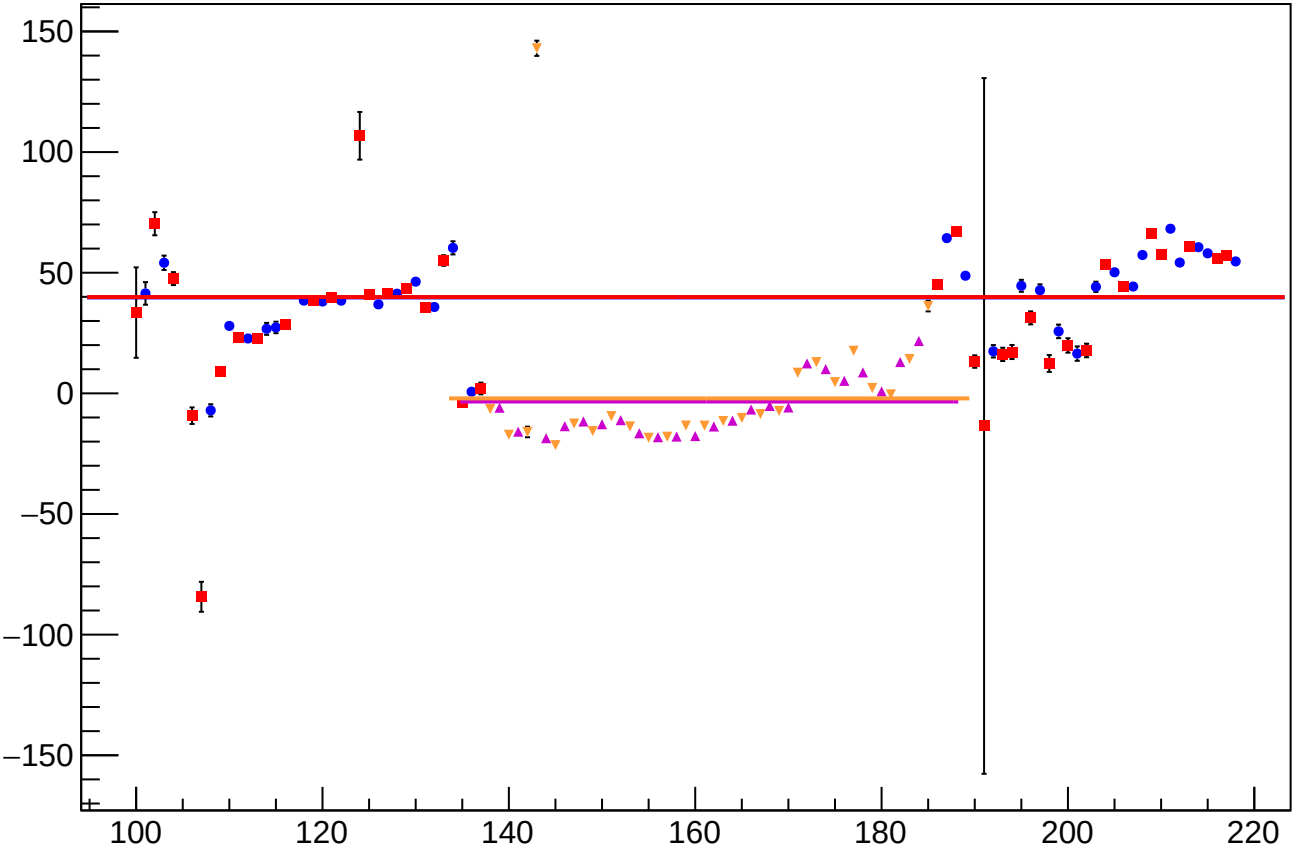
Left In: -139.533+/-0.042 χ^2/NDF:114482.7/22

+ sign -127.304+/-0.033 χ^2/NDF: 1086638.9/56

All: -127.112+/-0.024 χ^2/NDF: 2217181.7/11

- sign -126.916+/-0.033 χ^2/NDF: 1130474.9/58

reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs Slug



Right In: 39.768+/-0.311 χ^2/NDF: 3388.4/31

Left Out: -2.091+/-0.267 χ^2/NDF:4201.3/24

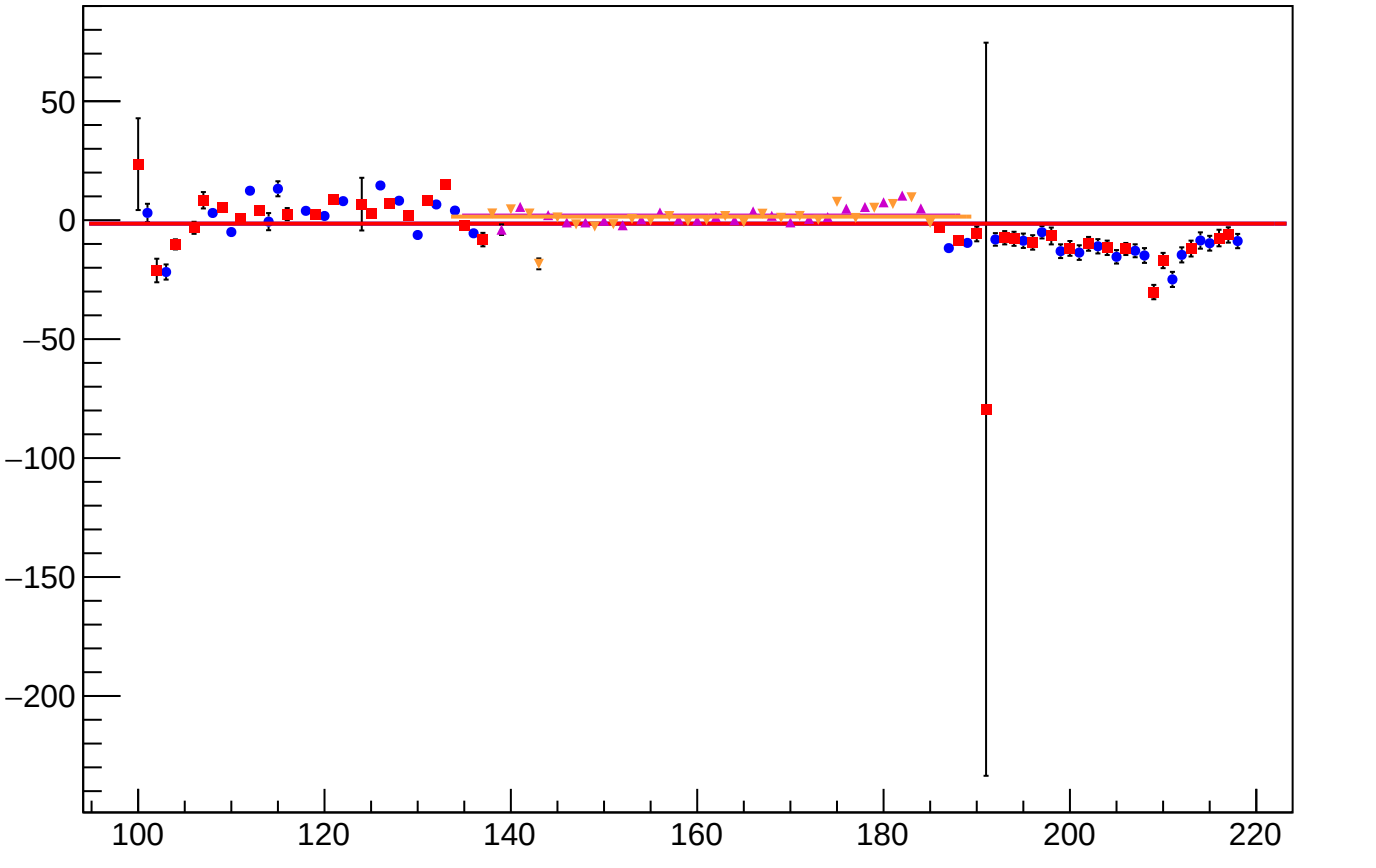
Right Out: 39.908+/-0.286 χ^2/NDF: 5514.1/35

Left In: -3.391+/-0.271 χ^2/NDF:1752.8/22

\+ sign 15.642+/-0.203 χ^2/NDF: 18020.1/56

All: 16.416+/-0.141 χ^2/NDF: 37397.4/115

\- sign 17.146+/-0.197 χ^2/NDF: 19348.9/58



Right In: -1.467+/-0.368 χ^2/NDF: 604.7/31

Left Out: 1.489+/-0.205 χ^2/NDF:328.6/24

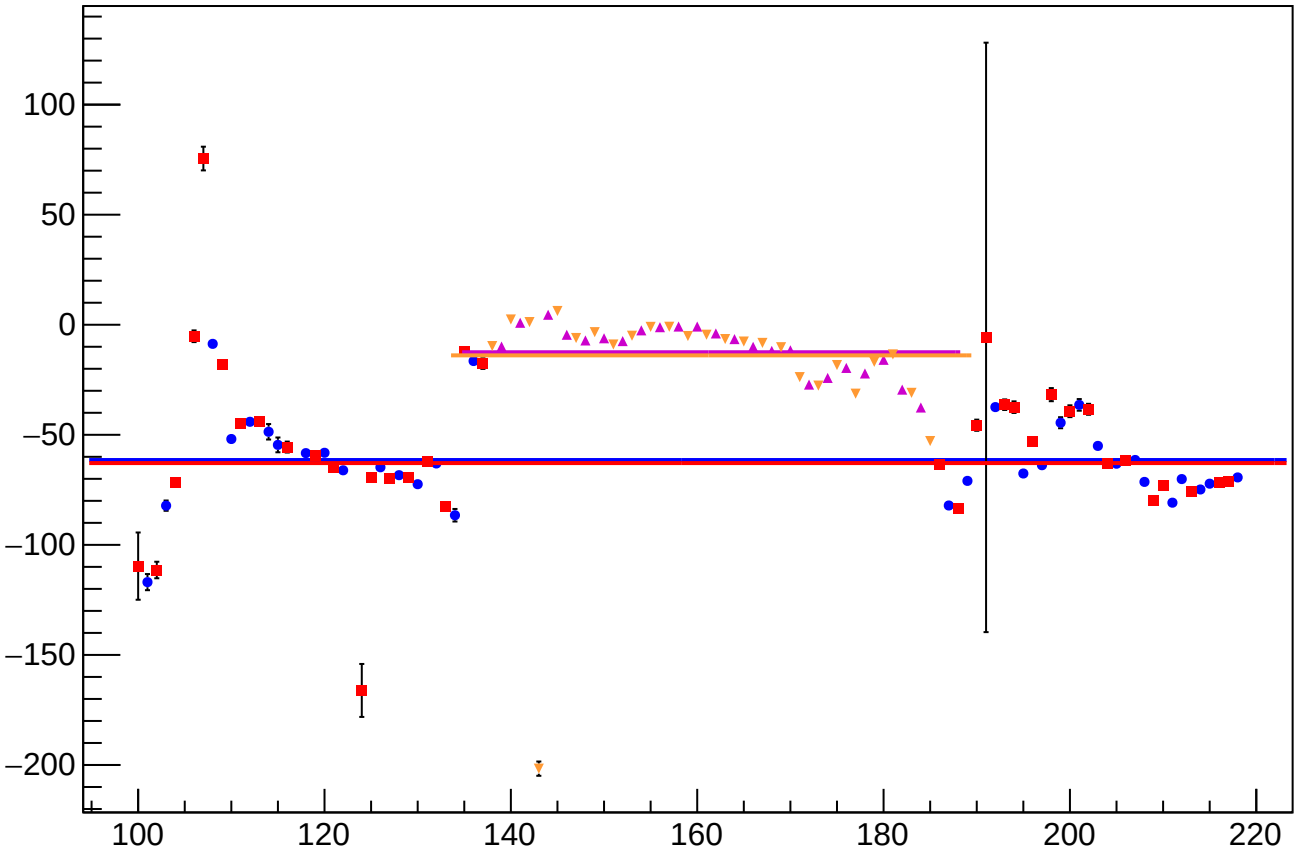
Right Out: -1.456+/-0.348 χ^2/NDF: 543.9/35

Left In: 1.933+/-0.210 χ^2/NDF:240.7/22

\+ sign 0.791+/-0.179 χ^2/NDF: 982.4/56

All: 0.907+/-0.127 χ^2/NDF: 1837.3/115

\- sign 1.025+/-0.180 χ^2/NDF: 854.1/58



Right In: -61.460+/-0.324 χ^2/NDF: 3682.8/31

Left Out: -13.908+/-0.265 χ^2/NDF:5128.3/24

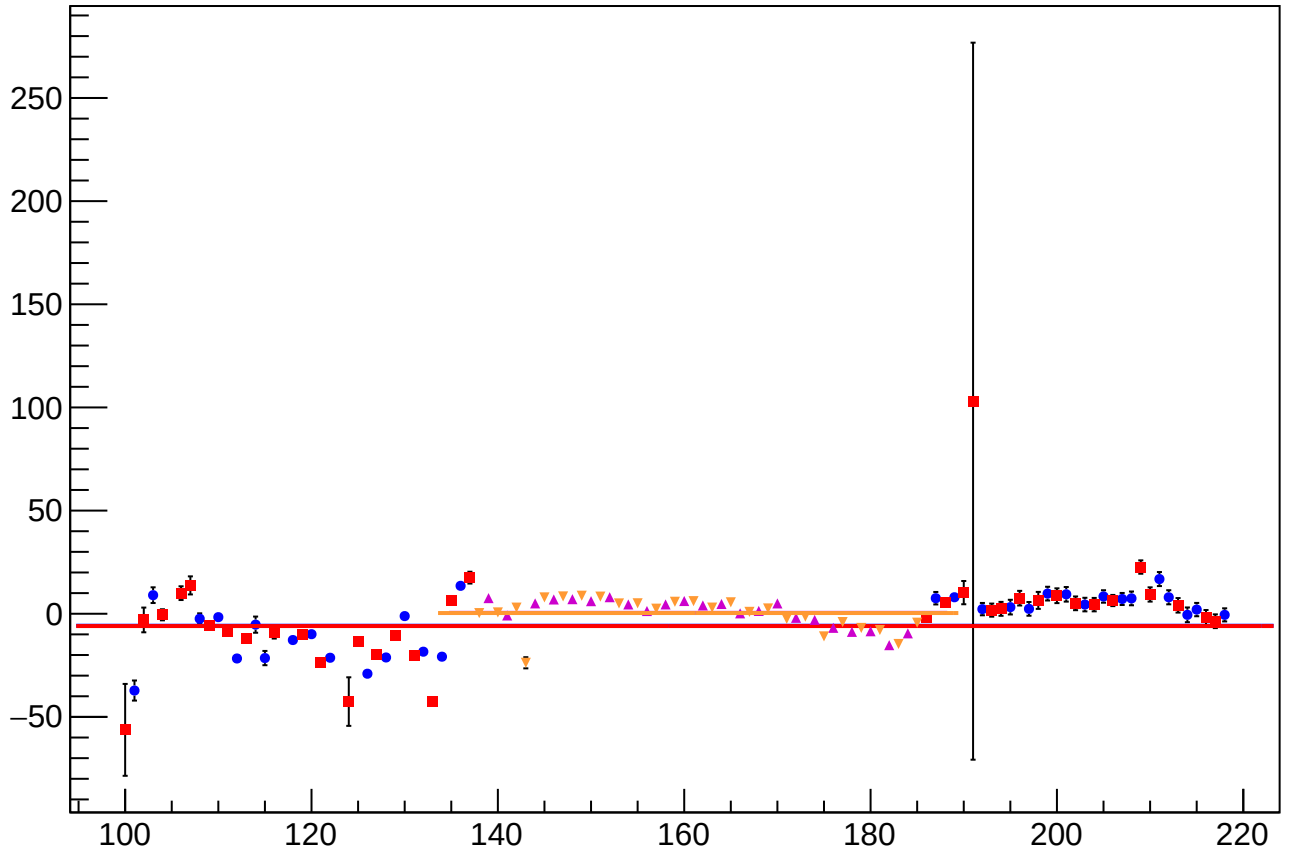
Right Out: -62.843+/-0.284 χ^2/NDF: 5714.5/35

Left In: -12.494+/-0.269 χ^2/NDF:1430.3/22

+ sign -32.969+/-0.205 χ^2/NDF: 21747.0/56

All: -34.681+/-0.141 χ^2/NDF: 45581.7/115

- sign -36.236+/-0.195 χ^2/NDF: 23701.6/58



Right In: -5.810+/-0.426 χ^2/NDF: 1012.8/31

Left Out: 0.345+/-0.231 χ^2/NDF:921.9/24

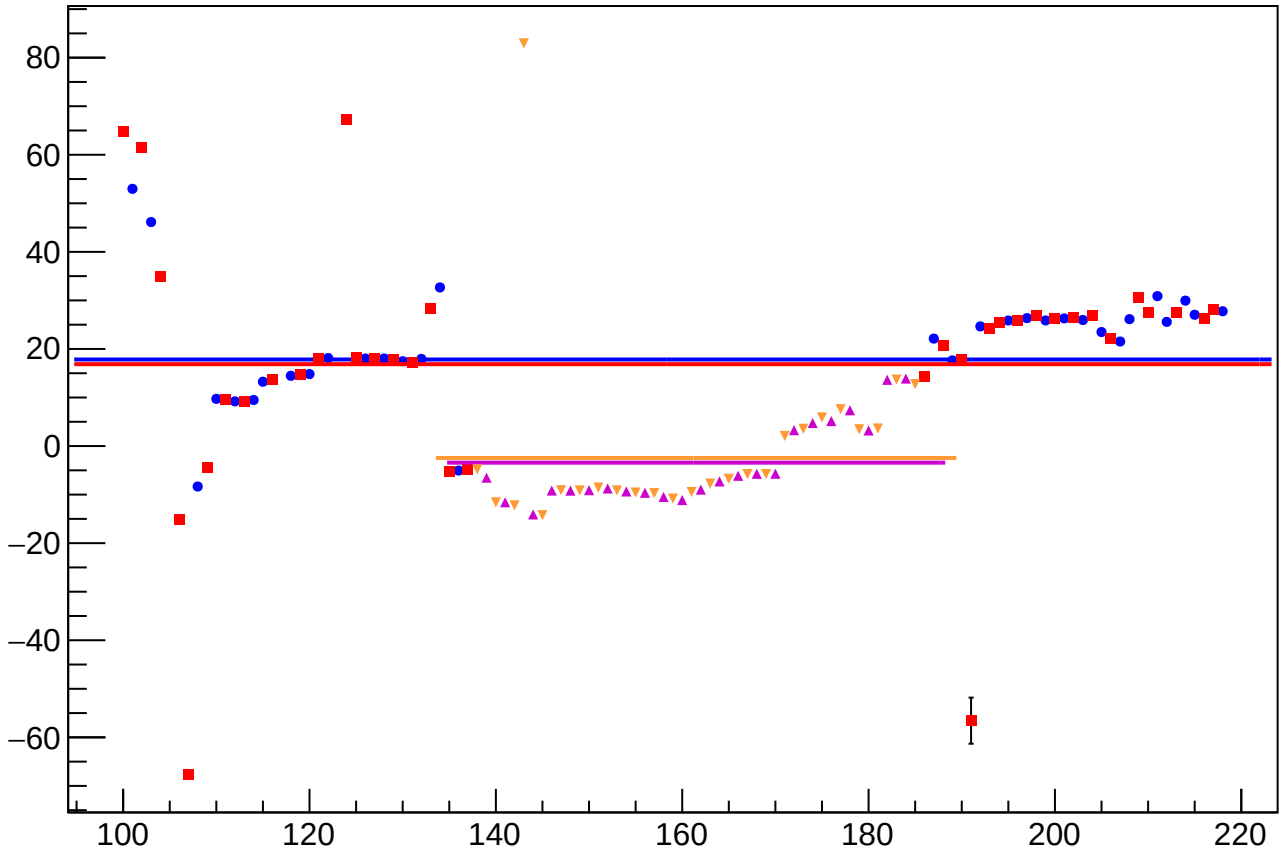
Right Out: -5.966+/-0.415 χ^2/NDF: 1051.9/35

Left In: 0.433+/-0.237 χ^2/NDF:782.1/22

+ sign -1.058+/-0.203 χ^2/NDF: 2096.0/56

All: -1.097+/-0.145 χ^2/NDF: 4109.5/115

- sign -1.138+/-0.206 χ^2/NDF: 2013.4/58



Right In: 17.831+/-0.022 χ^2/NDF: 458451.1/31

Left Out: -2.452+/-0.010 χ^2/NDF:961833.3/24

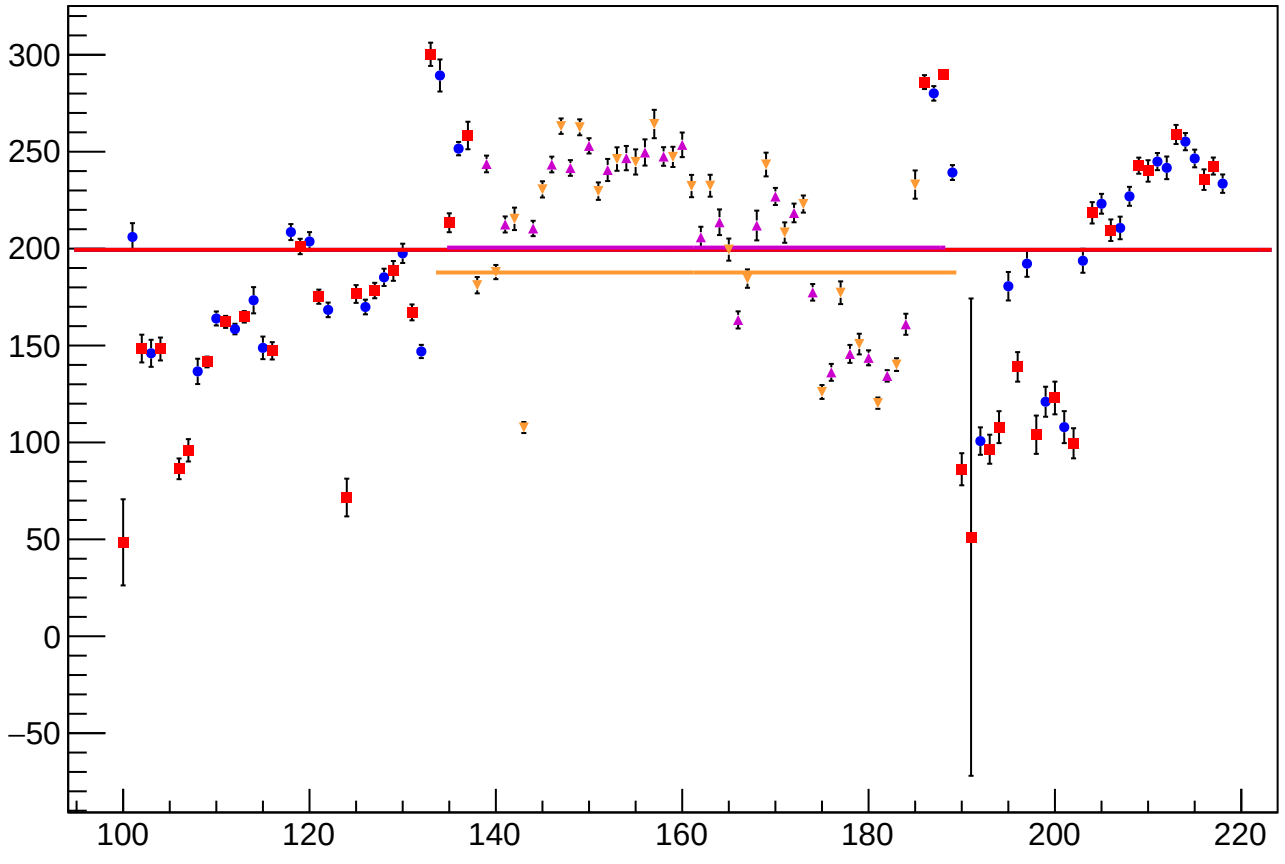
Right Out: 16.862+/-0.022 χ^2/NDF: 580968.4/35

Left In: -3.418+/-0.010 χ^2/NDF:546802.2/22

+ sign 1.344+/-0.009 χ^2/NDF: 2138569.6/56

All: 0.892+/-0.007 χ^2/NDF: 3987946.0/115

- sign 0.435+/-0.009 χ^2/NDF: 1844672.2/58



Right In: 199.347+/-0.836 χ^2/NDF: 2820.0/31

Left Out: 187.681+/-0.898 χ^2/NDF:3528.3/24

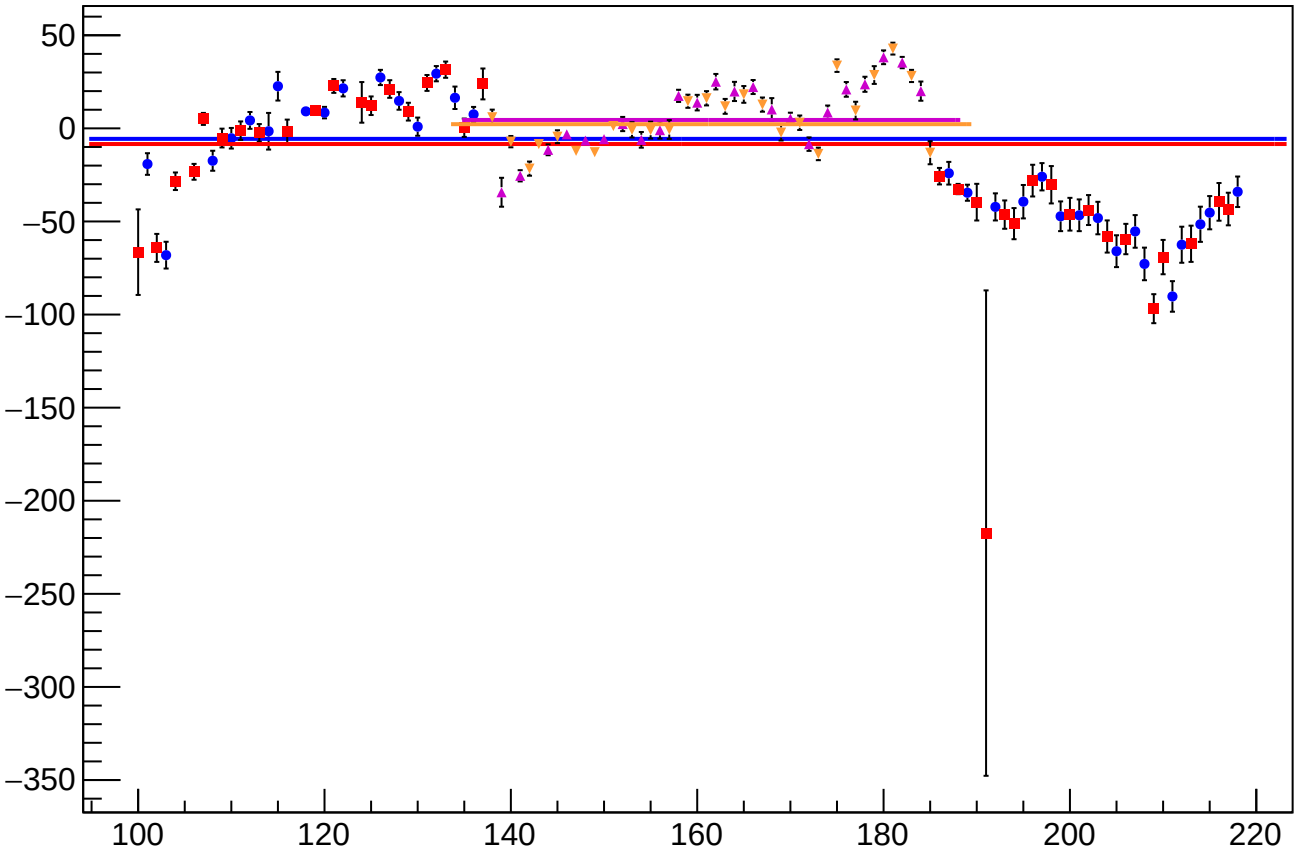
Right Out: 199.385+/-0.771 χ^2/NDF: 6522.1/35

Left In: 200.521+/-0.955 χ^2/NDF:2111.4/22

\+ sign 193.929+/-0.612 χ^2/NDF: 6438.8/56

All: 196.939+/-0.428 χ^2/NDF: 15120.6/115

\- sign 199.833+/-0.600 χ^2/NDF: 8634.4/58



Right In: -5.641+/-0.960 χ^2/NDF: 894.0/31

Left Out: 2.245+/-0.665 χ^2/NDF:600.9/24

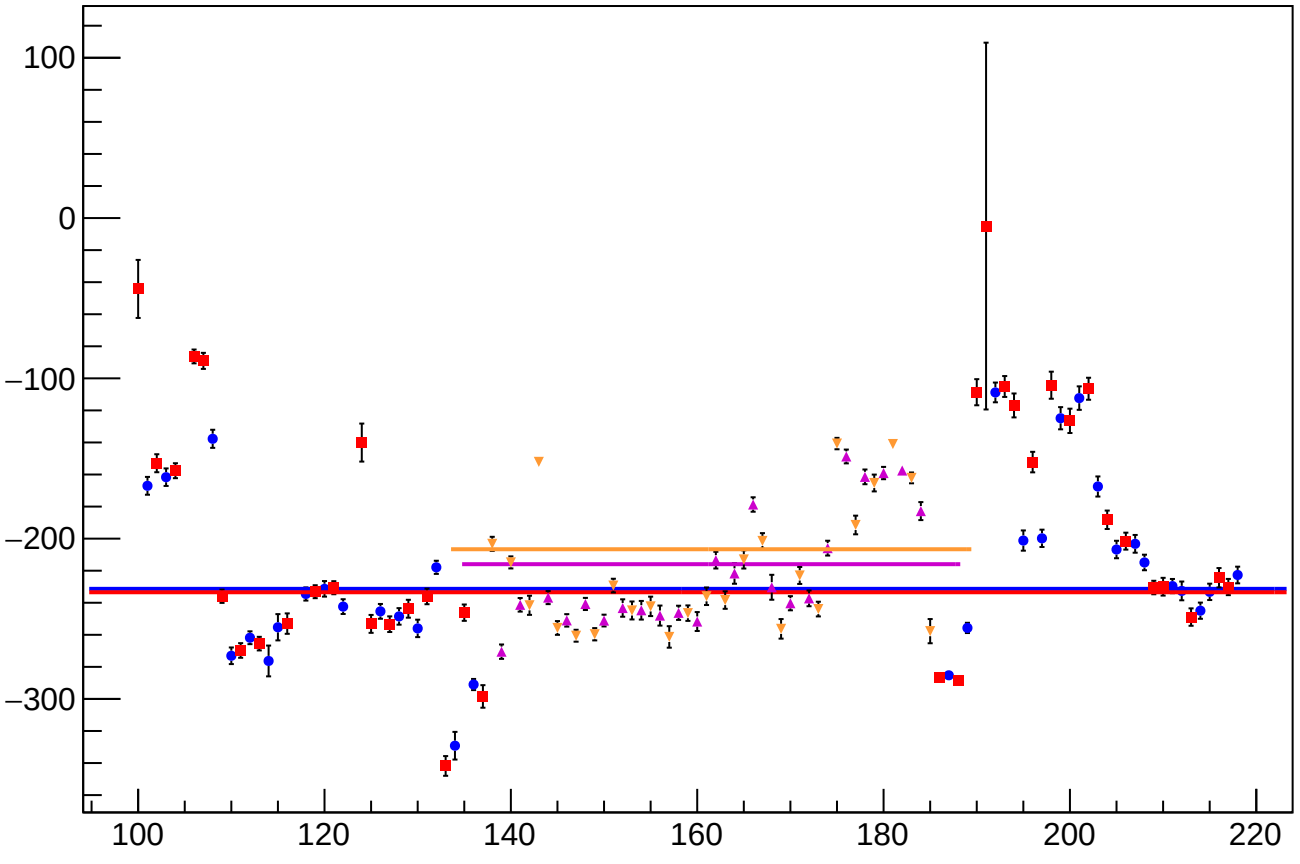
Right Out: -8.417+/-0.893 χ^2/NDF: 972.0/35

Left In: 4.513+/-0.714 χ^2/NDF:547.1/22

+ sign -0.308+/-0.546 χ^2/NDF: 1540.5/56

All: -0.416+/-0.390 χ^2/NDF: 3187.5/115

- sign -0.528+/-0.558 χ^2/NDF: 1646.9/58



Right In: -231.326+/-0.876 χ^2/NDF: 2693.5/31

Left Out: -206.617+/-0.895 χ^2/NDF:2467.8/24

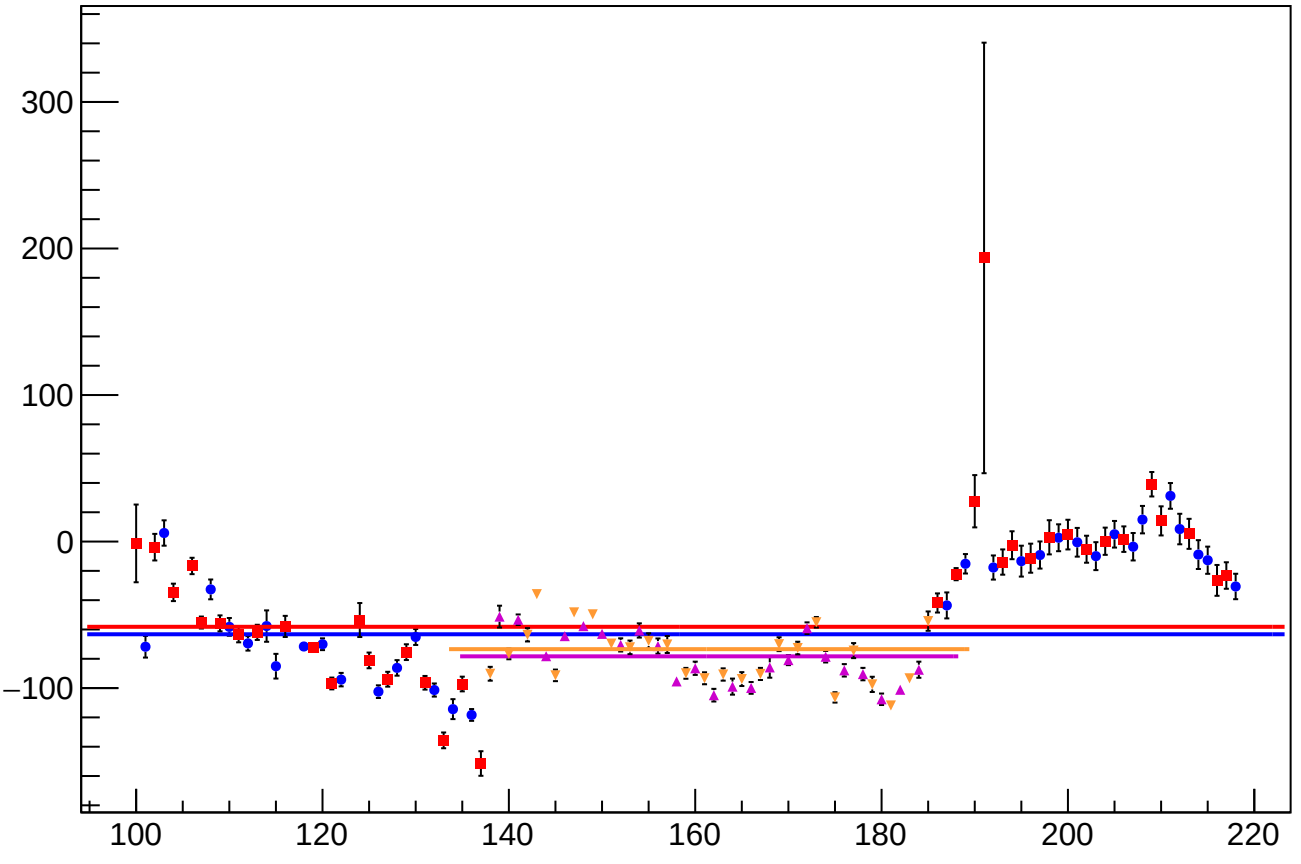
Right Out: -233.452+/-0.783 χ^2/NDF: 6671.0/35

Left In: -215.938+/-0.946 χ^2/NDF:1711.9/22

+ sign -219.226+/-0.626 χ^2/NDF: 5550.5/56

All: -222.910+/-0.434 χ^2/NDF: 14203.5/115

- sign -226.331+/-0.603 χ^2/NDF: 8586.3/58



Right In: -63.270+/-1.118 χ^2/NDF: 1239.2/31

Left Out: -73.426+/-0.767 χ^2/NDF:836.6/24

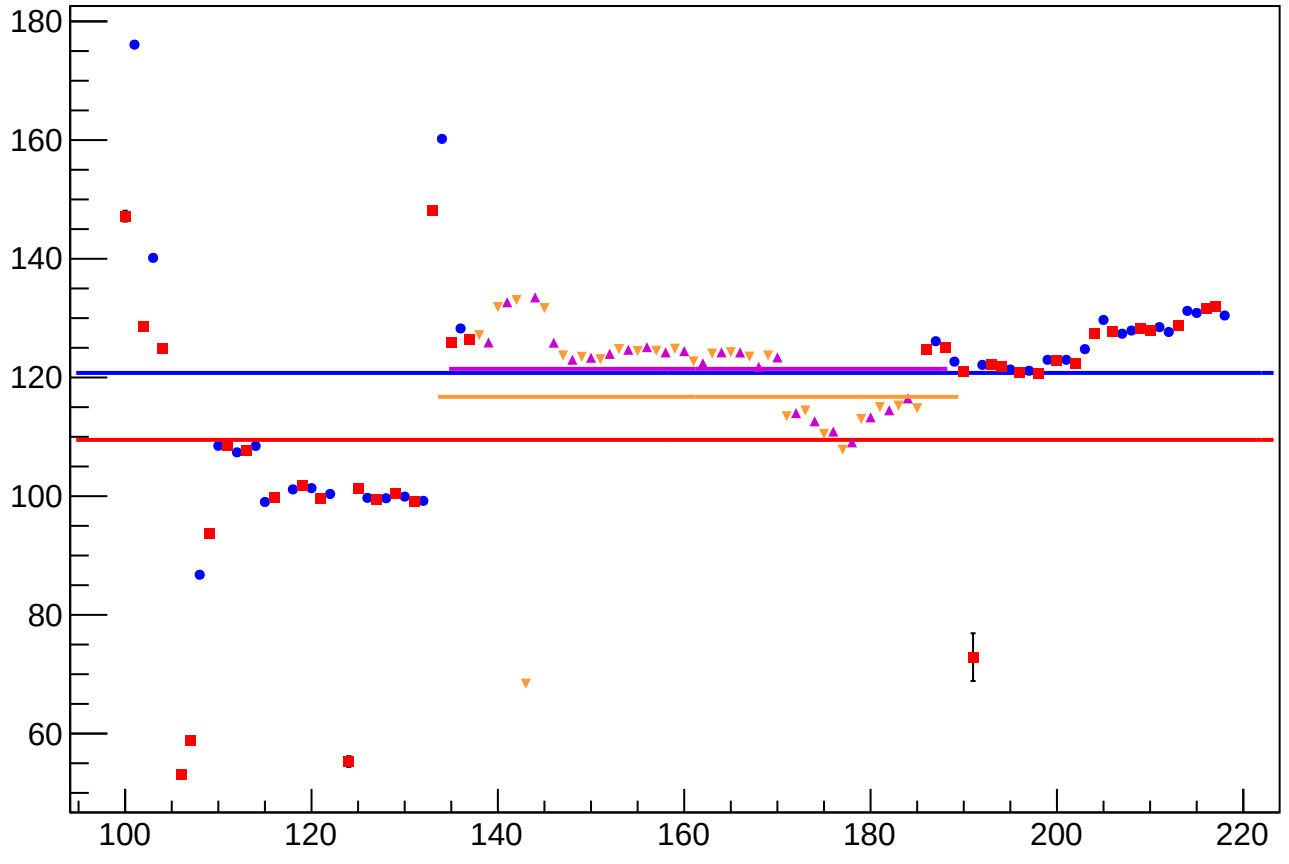
Right Out: -58.171+/-1.061 χ^2/NDF: 1387.5/35

Left In: -78.329+/-0.817 χ^2/NDF:443.2/22

+ sign -70.175+/-0.632 χ^2/NDF: 2131.9/56

All: -70.489+/-0.452 χ^2/NDF: 4189.8/115

- sign -70.817+/-0.647 χ^2/NDF: 2057.4/58



Right In: 120.770+/-0.059 χ^2/NDF: 100295.4/31

Left Out: 116.740+/-0.036 χ^2/NDF:203650.9/24

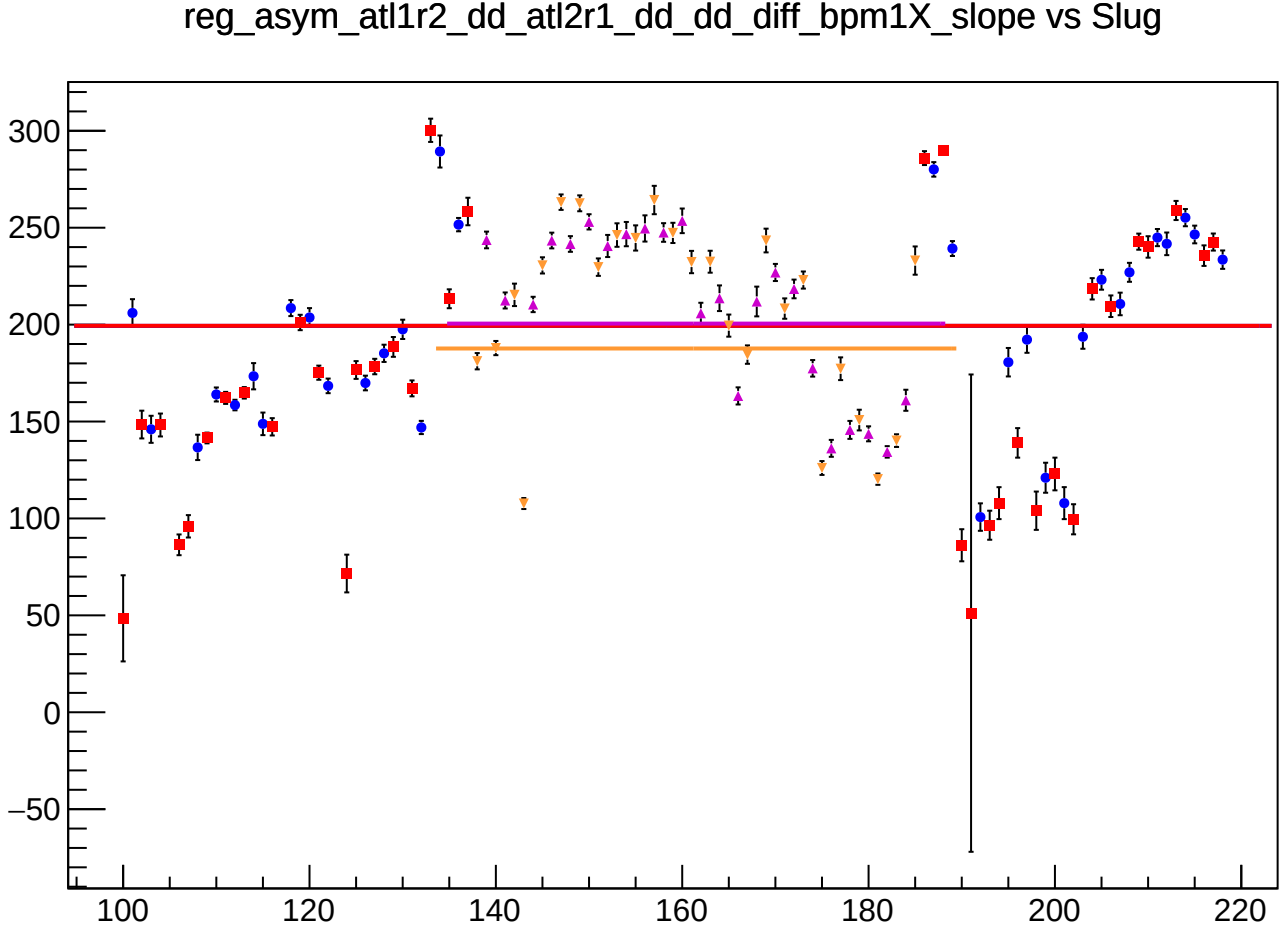
Right Out: 109.489+/-0.054 χ^2/NDF: 216875.2/35

Left In: 121.455+/-0.037 χ^2/NDF:28796.4/22

+ sign 117.831+/-0.031 χ^2/NDF: 307371.3/56

All: 117.731+/-0.022 χ^2/NDF: 586012.2/115

- sign 117.631+/-0.031 χ^2/NDF: 278619.7/58



Right In: 199.347+/-0.836 χ^2/NDF: 2820.0/31

Left Out: 187.681+/-0.898 χ^2/NDF:3528.3/24

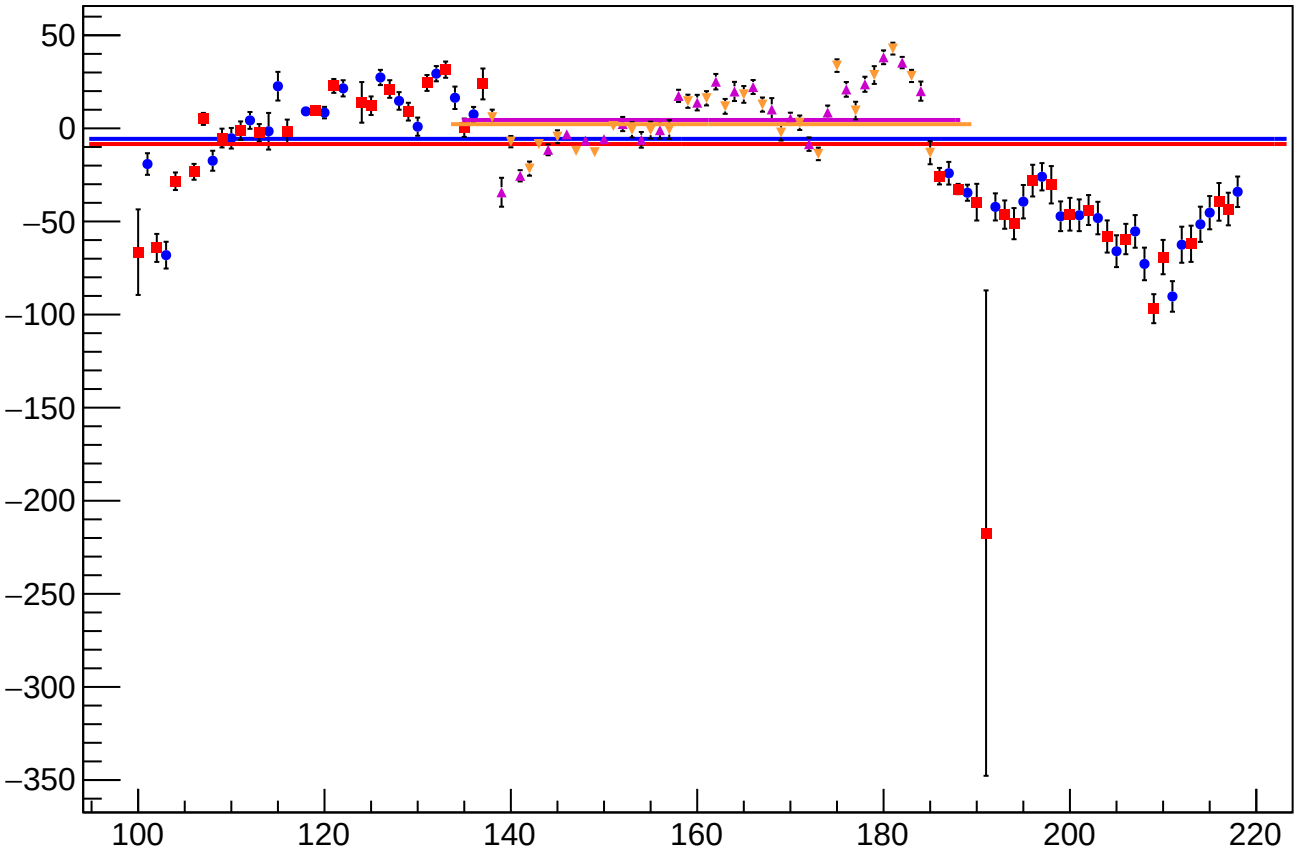
Right Out: 199.385+/-0.771 χ^2/NDF: 6522.1/35

Left In: 200.521+/-0.955 χ^2/NDF:2111.4/22

+ sign 193.929+/-0.612 χ^2/NDF: 6438.8/56

All: 196.939+/-0.428 χ^2/NDF: 15120.6/115

- sign 199.833+/-0.600 χ^2/NDF: 8634.4/58



Right In: -5.641+/-0.960 χ^2/NDF: 894.0/31

Left Out: 2.245+/-0.665 χ^2/NDF:600.9/24

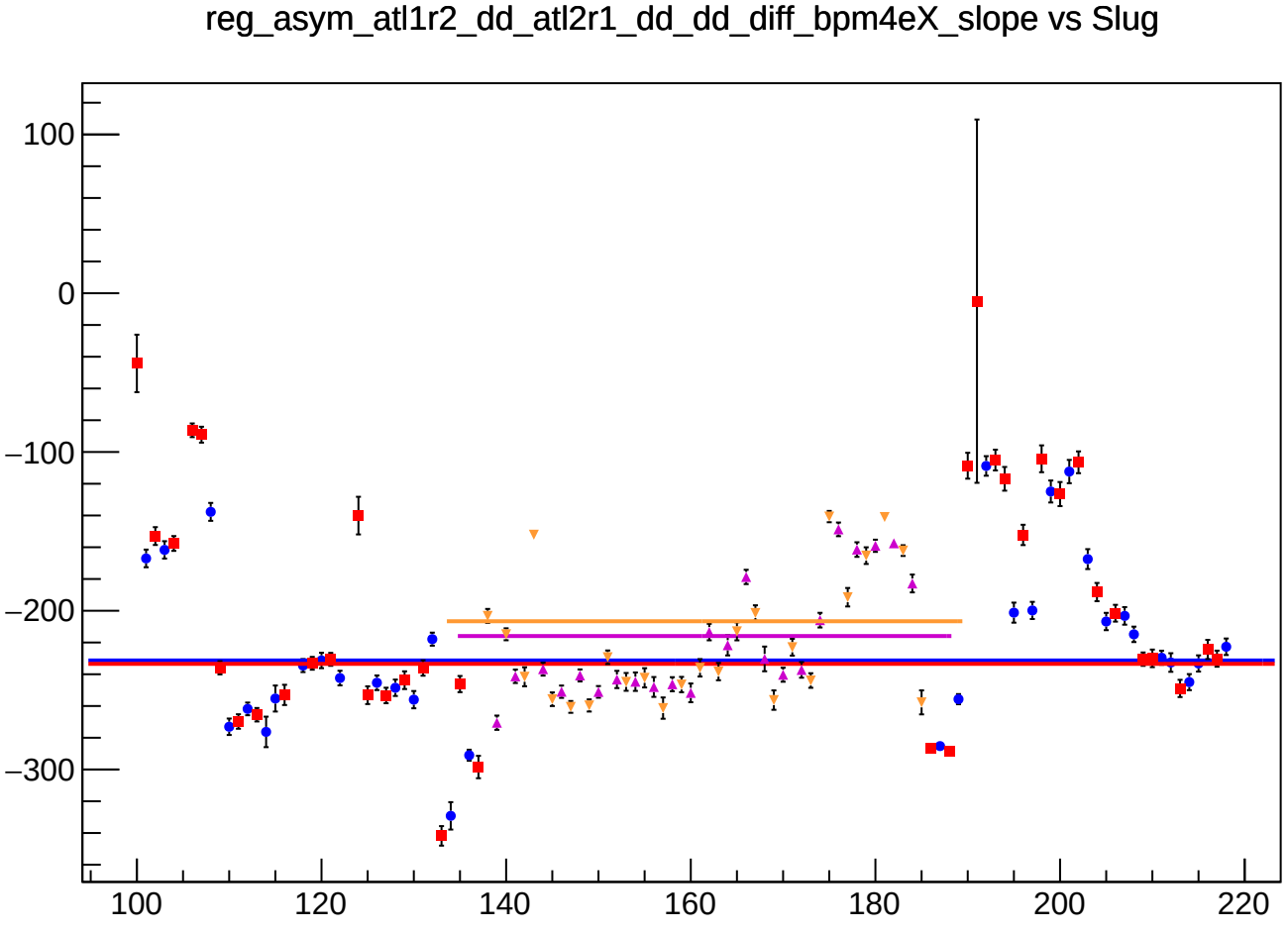
Right Out: -8.417+/-0.893 χ^2/NDF: 972.0/35

Left In: 4.513+/-0.714 χ^2/NDF:547.1/22

+ sign -0.308+/-0.546 χ^2/NDF: 1540.5/56

All: -0.416+/-0.390 χ^2/NDF: 3187.5/115

- sign -0.528+/-0.558 χ^2/NDF: 1646.9/58



Right In: -231.326+/-0.876 χ^2/NDF: 2693.5/31

Left Out: -206.617+/-0.895 χ^2/NDF:2467.8/24

Right Out: -233.452+/-0.783 χ^2/NDF: 6671.0/35

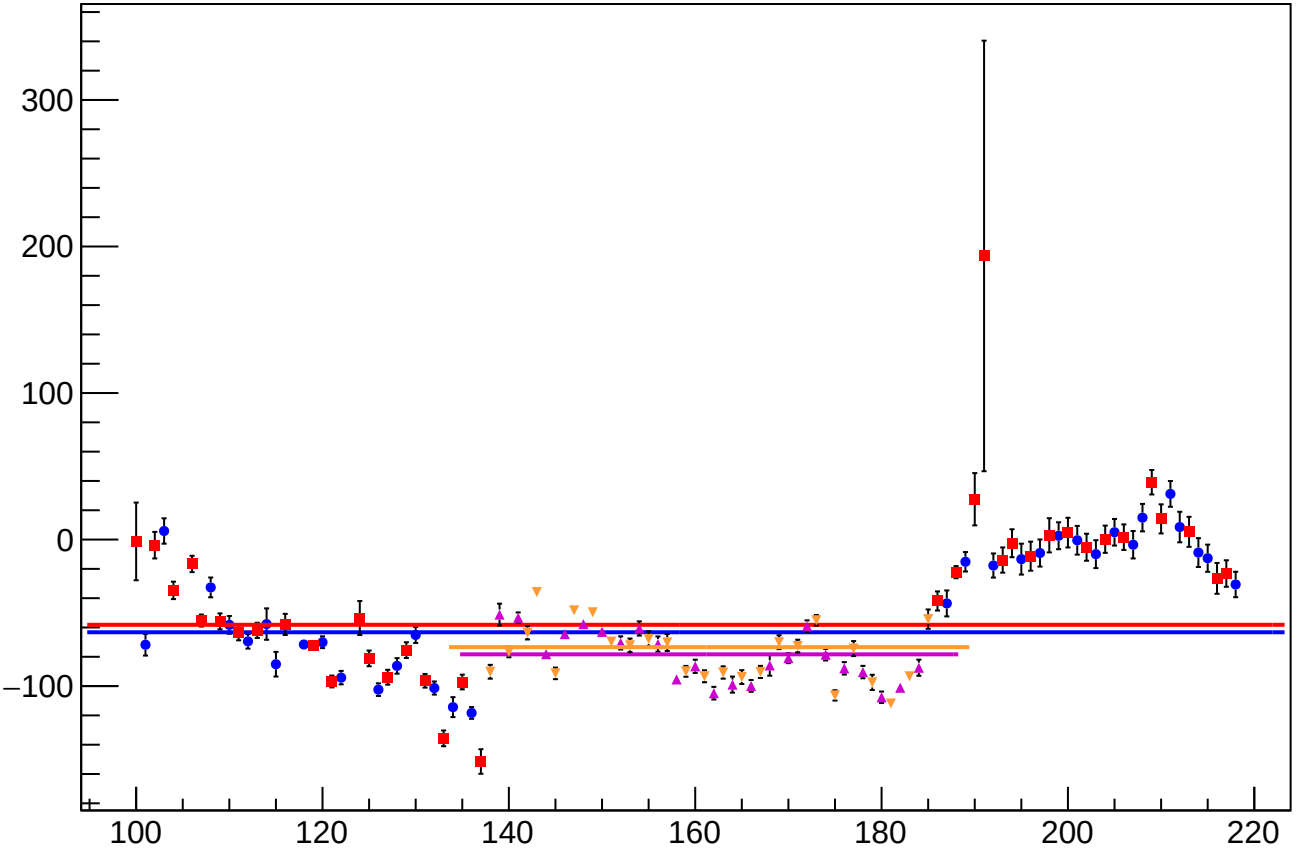
Left In: -215.938+/-0.946 χ^2/NDF:1711.9/22

+ sign -219.226+/-0.626 χ^2/NDF: 5550.5/56

All: -222.910+/-0.434 χ^2/NDF: 14203.5/115

- sign -226.331+/-0.603 χ^2/NDF: 8586.3/58

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4eY_slope vs Slug



Right In: -63.270+/-1.118 χ^2/NDF: 1239.2/31

Left Out: -73.426+/-0.767 χ^2/NDF:836.6/24

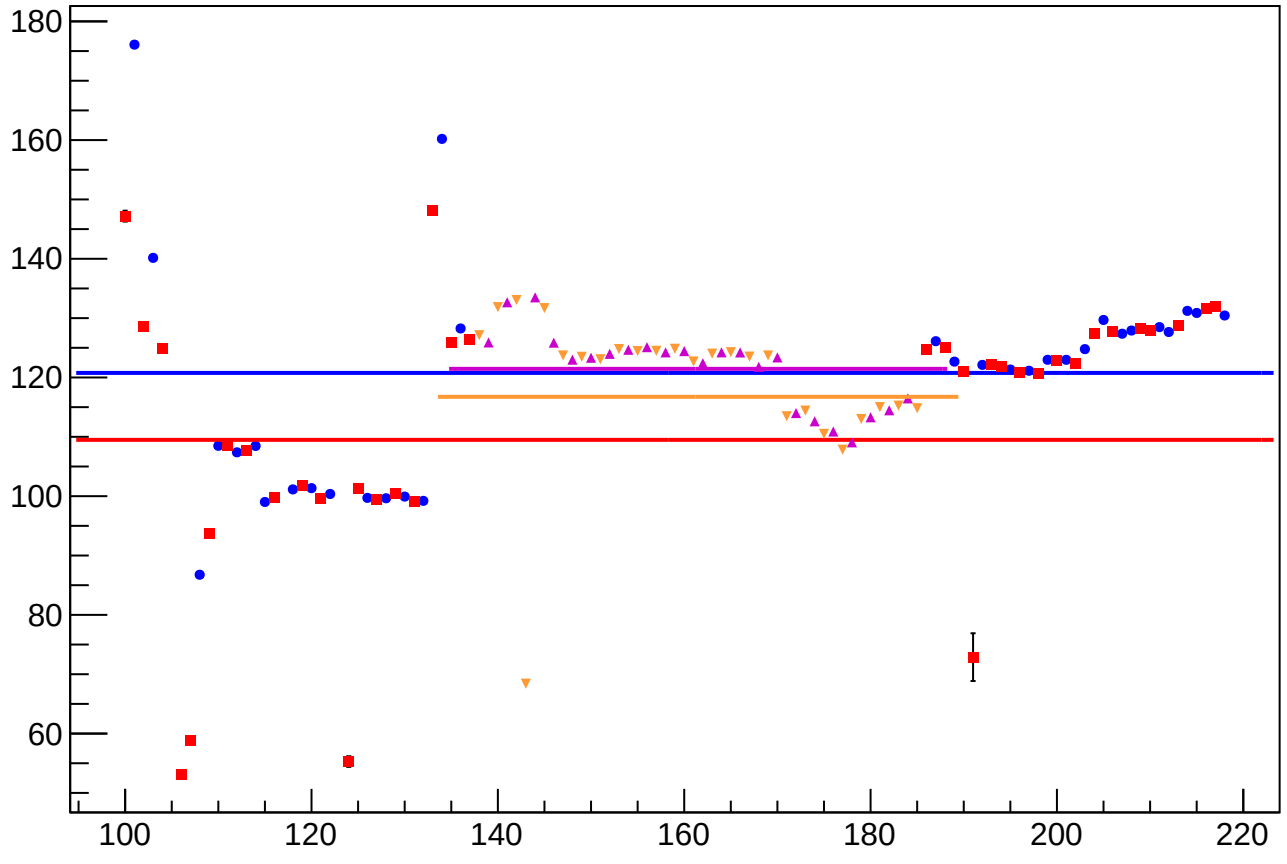
Right Out: -58.171+/-1.061 χ^2/NDF: 1387.5/35

Left In: -78.329+/-0.817 χ^2/NDF:443.2/22

+ sign -70.175+/-0.632 χ^2/NDF: 2131.9/56

All: -70.489+/-0.452 χ^2/NDF: 4189.8/115

- sign -70.817+/-0.647 χ^2/NDF: 2057.4/58



Right In: 120.770+/-0.059 χ^2/NDF: 100295.4/31

Left Out: 116.740+/-0.036 χ^2/NDF:203650.9/24

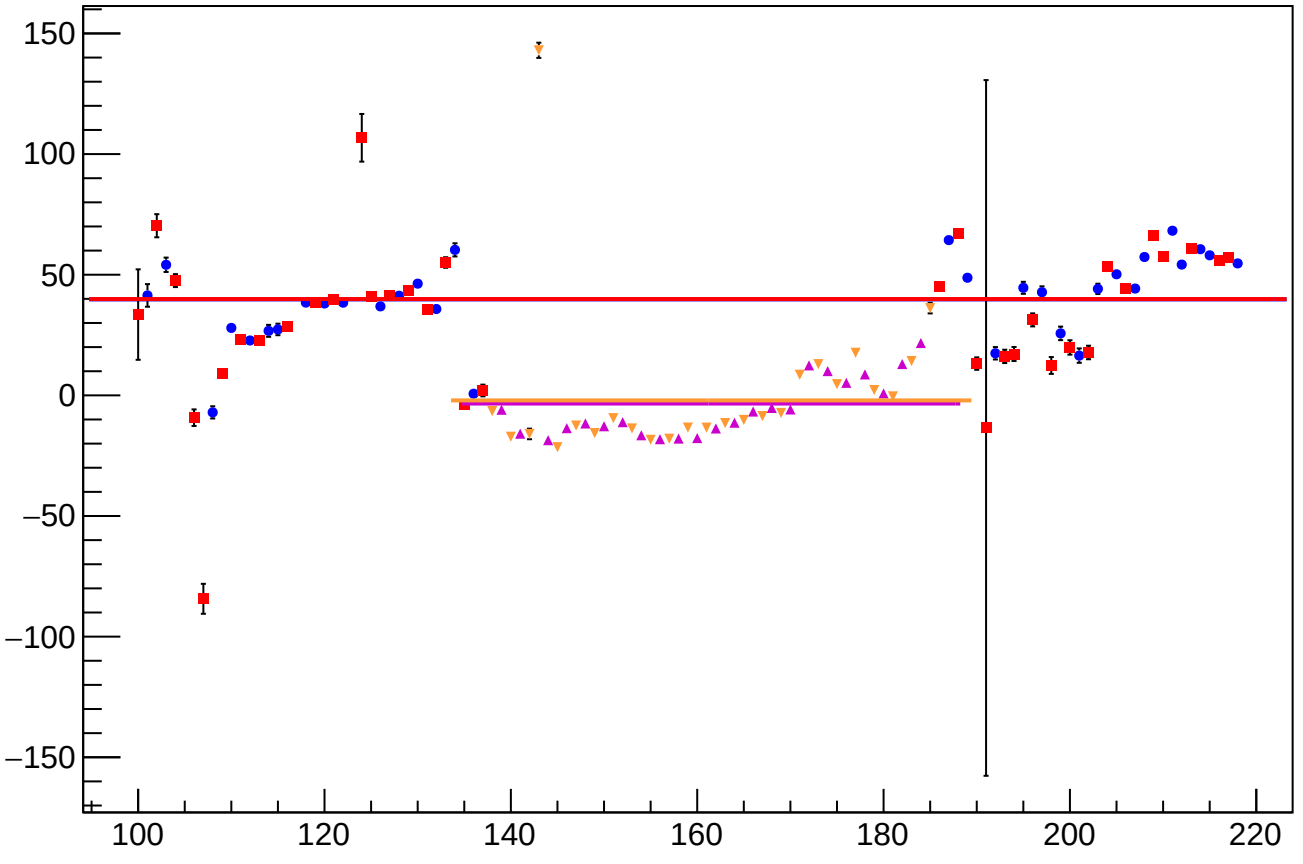
Right Out: 109.489+/-0.054 χ^2/NDF: 216875.2/35

Left In: 121.455+/-0.037 χ^2/NDF:28796.4/22

\+ sign 117.831+/-0.031 χ^2/NDF: 307371.3/56

All: 117.731+/-0.022 χ^2/NDF: 586012.2/115

\- sign 117.631+/-0.031 χ^2/NDF: 278619.7/58



Right In: 39.768+/-0.311 χ^2/NDF: 3388.4/31

Left Out: -2.091+/-0.267 χ^2/NDF:4201.3/24

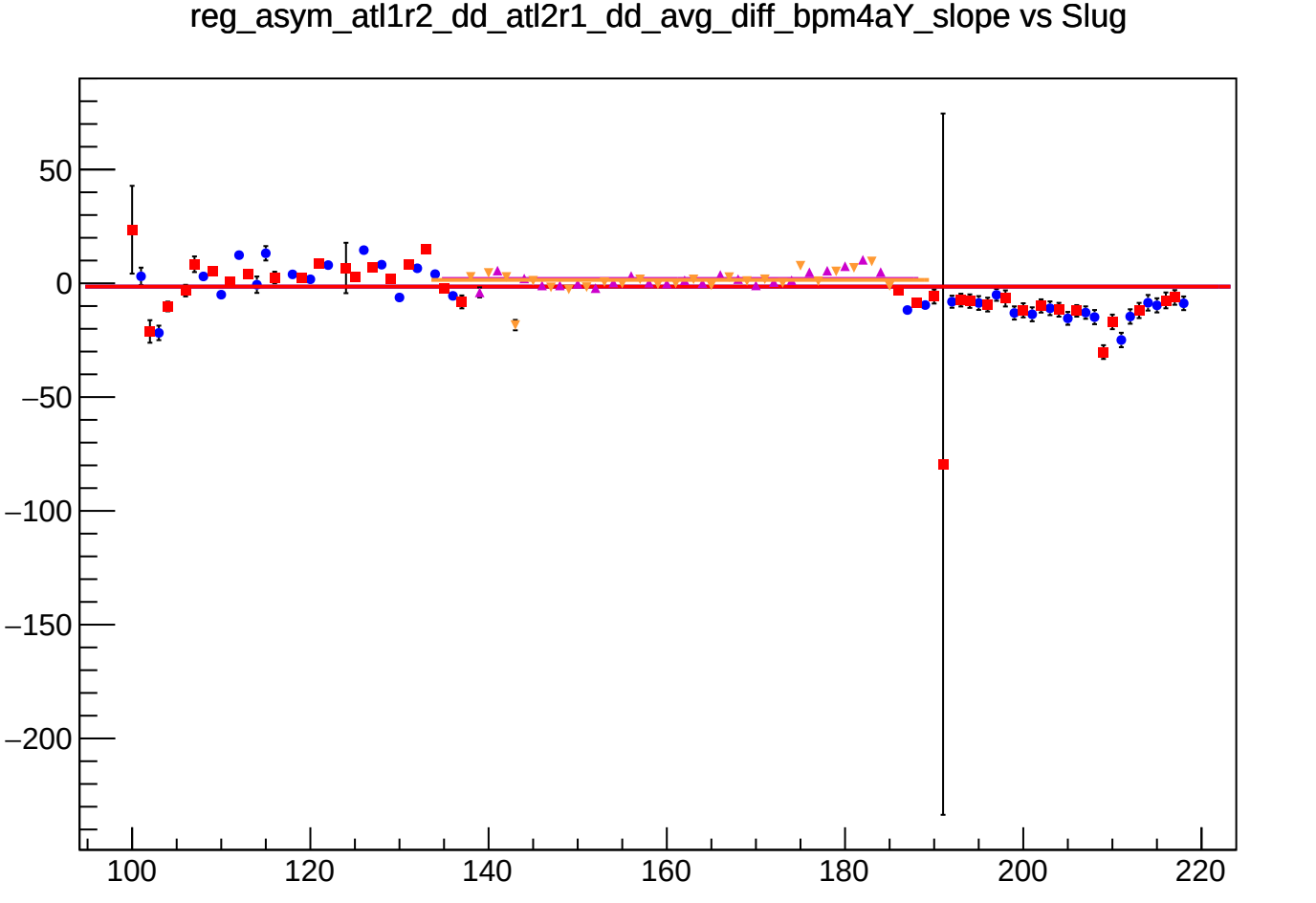
Right Out: 39.908+/-0.286 χ^2/NDF: 5514.1/35

Left In: -3.391+/-0.271 χ^2/NDF:1752.8/22

+ sign 15.642+/-0.203 χ^2/NDF: 18020.1/56

All: 16.416+/-0.141 χ^2/NDF: 37397.4/115

- sign 17.146+/-0.197 χ^2/NDF: 19348.9/58



Right In: -1.467+/-0.368 χ^2/NDF: 604.7/31

Left Out: 1.489+/-0.205 χ^2/NDF:328.6/24

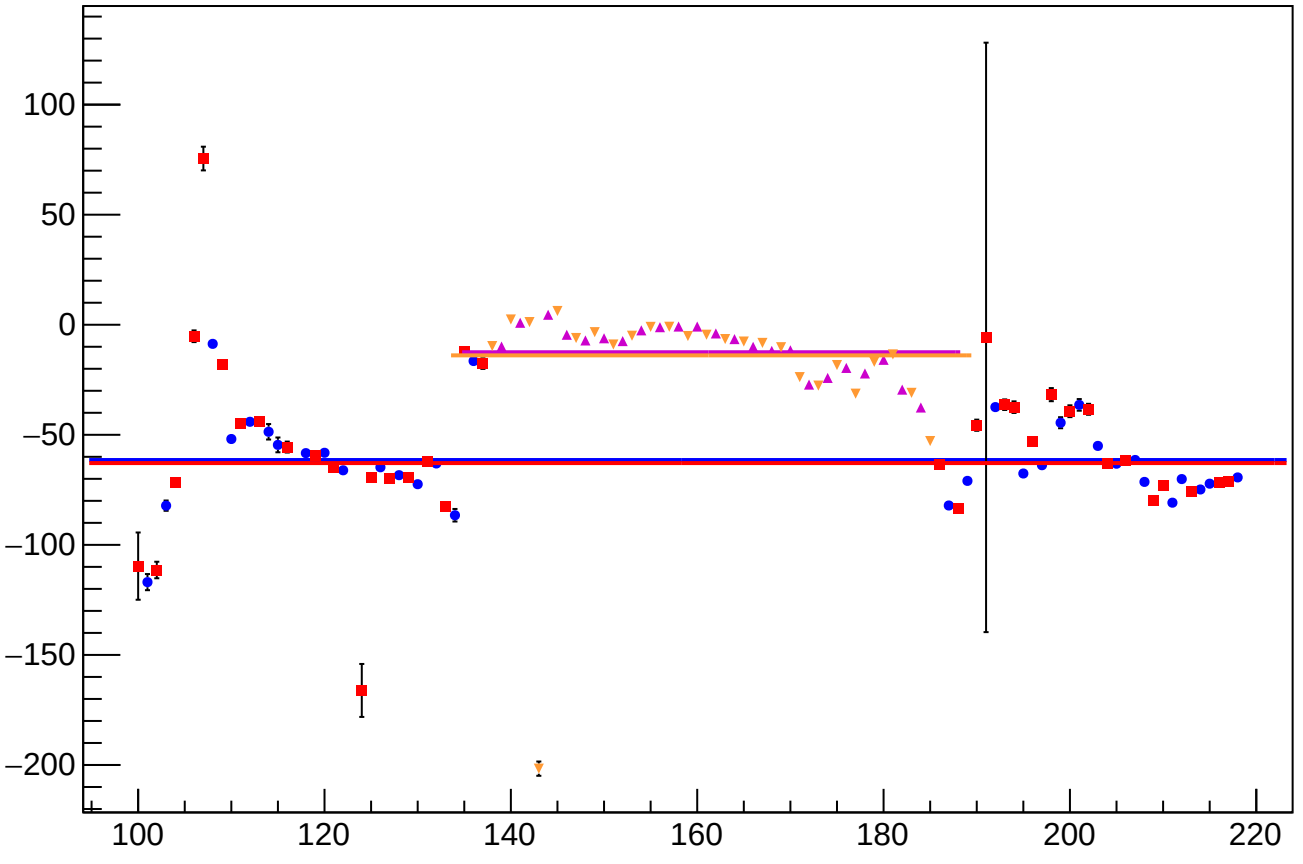
Right Out: -1.456+/-0.348 χ^2/NDF: 543.9/35

Left In: 1.933+/-0.210 χ^2/NDF:240.7/22

+ sign 0.791+/-0.179 χ^2/NDF: 982.4/56

All: 0.907+/-0.127 χ^2/NDF: 1837.3/115

- sign 1.025+/-0.180 χ^2/NDF: 854.1/58



Right In: -61.460+/-0.324 χ^2/NDF: 3682.8/31

Left Out: -13.908+/-0.265 χ^2/NDF:5128.3/24

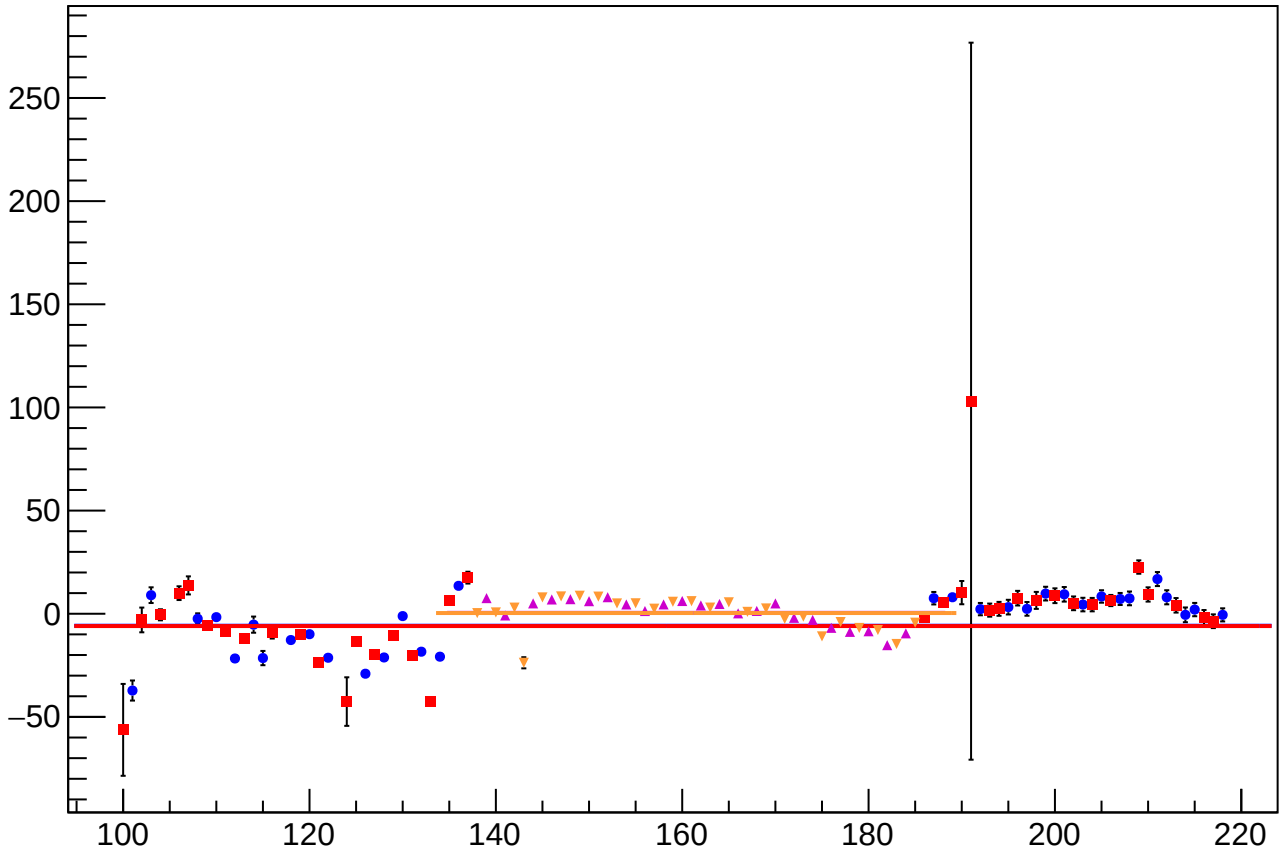
Right Out: -62.843+/-0.284 χ^2/NDF: 5714.5/35

Left In: -12.494+/-0.269 χ^2/NDF:1430.3/22

+ sign -32.969+/-0.205 χ^2/NDF: 21747.0/56

All: -34.681+/-0.141 χ^2/NDF: 45581.7/115

- sign -36.236+/-0.195 χ^2/NDF: 23701.6/58



Right In: -5.810+/-0.426 χ^2/NDF: 1012.8/31

Left Out: 0.345+/-0.231 χ^2/NDF:921.9/24

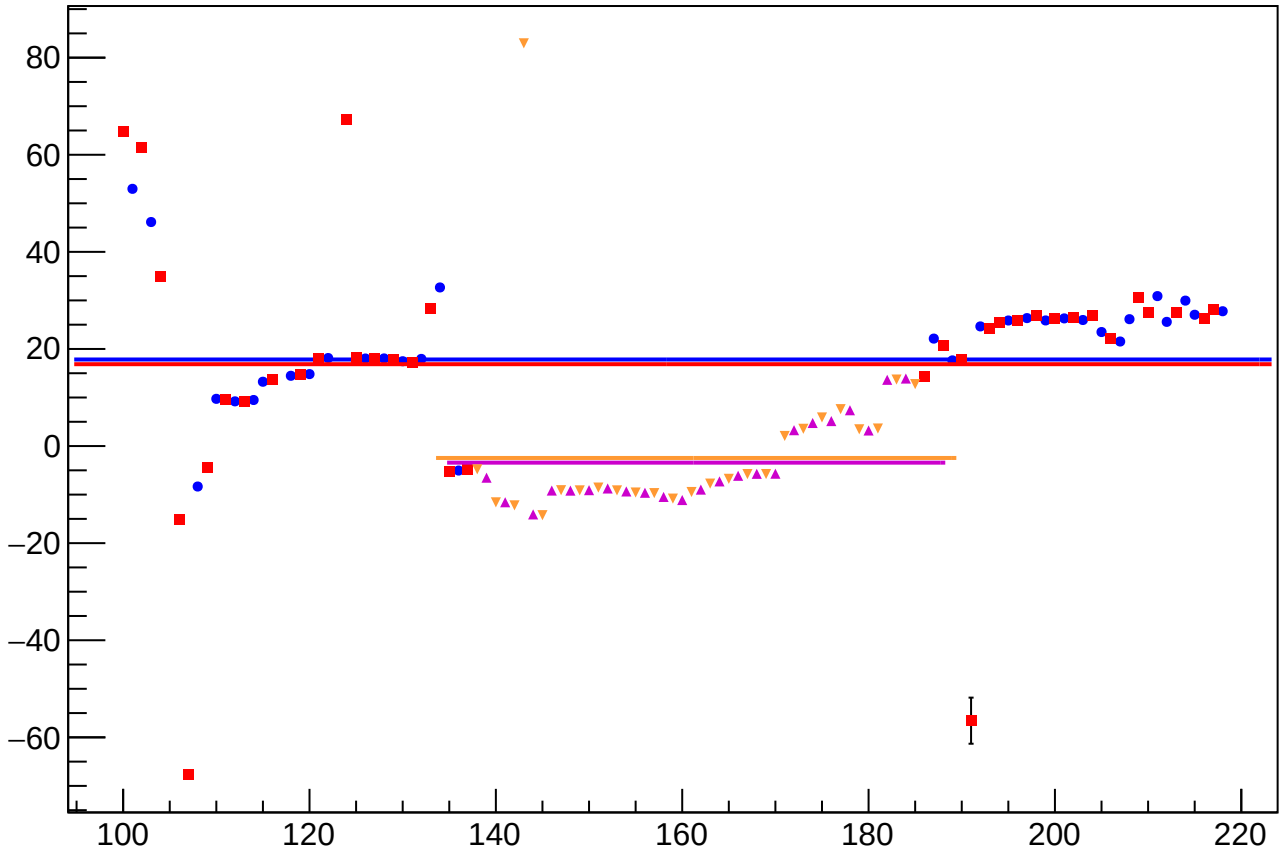
Right Out: -5.966+/-0.415 χ^2/NDF: 1051.9/35

Left In: 0.433+/-0.237 χ^2/NDF:782.1/22

\+ sign -1.058+/-0.203 χ^2/NDF: 2096.0/56

All: -1.097+/-0.145 χ^2/NDF: 4109.5/115

\- sign -1.138+/-0.206 χ^2/NDF: 2013.4/58



Right In: 17.831+/-0.022 χ^2/NDF: 458451.1/31

Left Out: -2.452+/-0.010 χ^2/NDF:961833.3/24

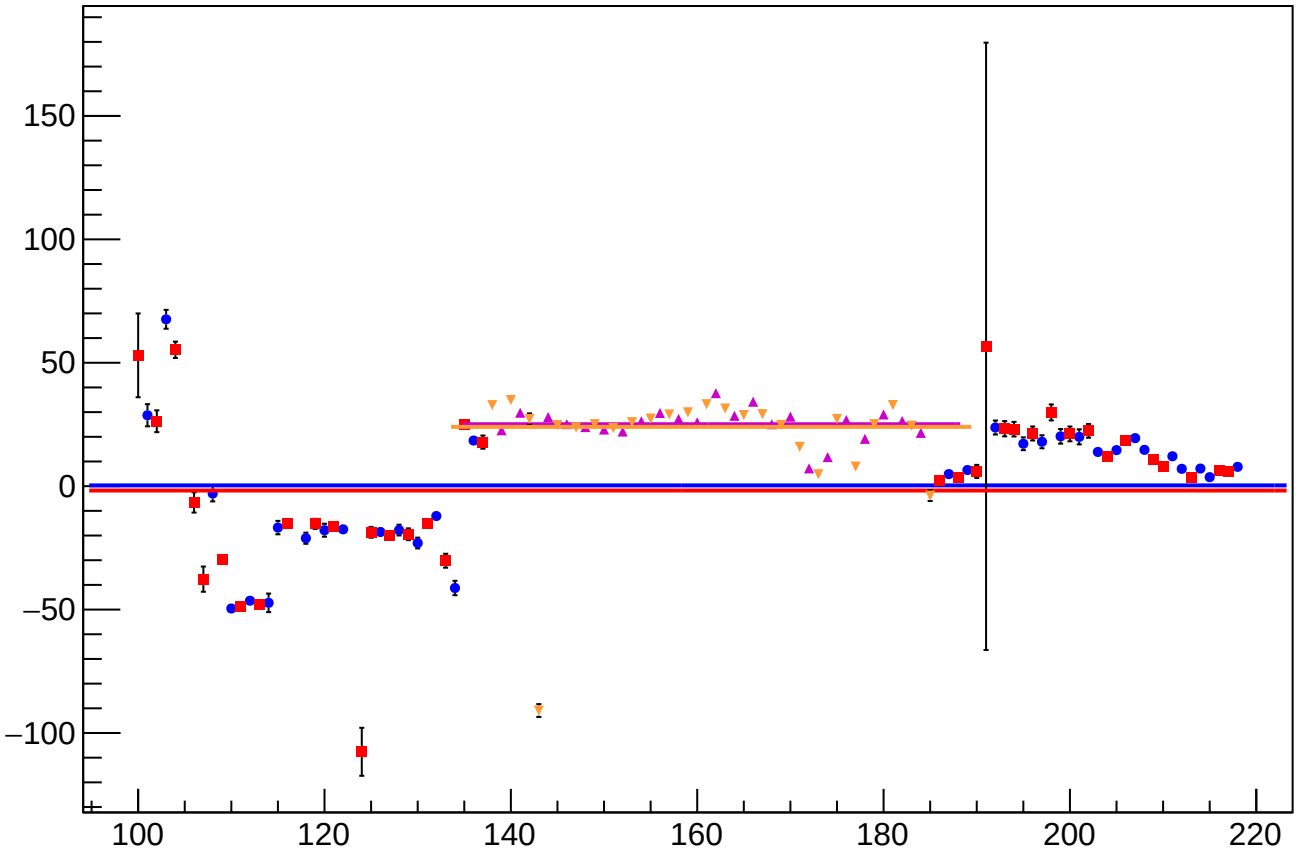
Right Out: 16.862+/-0.022 χ^2/NDF: 580968.4/35

Left In: -3.418+/-0.010 χ^2/NDF:546802.2/22

+ sign 1.344+/-0.009 χ^2/NDF: 2138569.6/56

All: 0.892+/-0.007 χ^2/NDF: 3987946.0/115

- sign 0.435+/-0.009 χ^2/NDF: 1844672.2/58



Right In: 0.313+/-0.347 χ^2/NDF: 3733.1/31

Left Out: 24.025+/-0.282 χ^2/NDF:2802.2/24

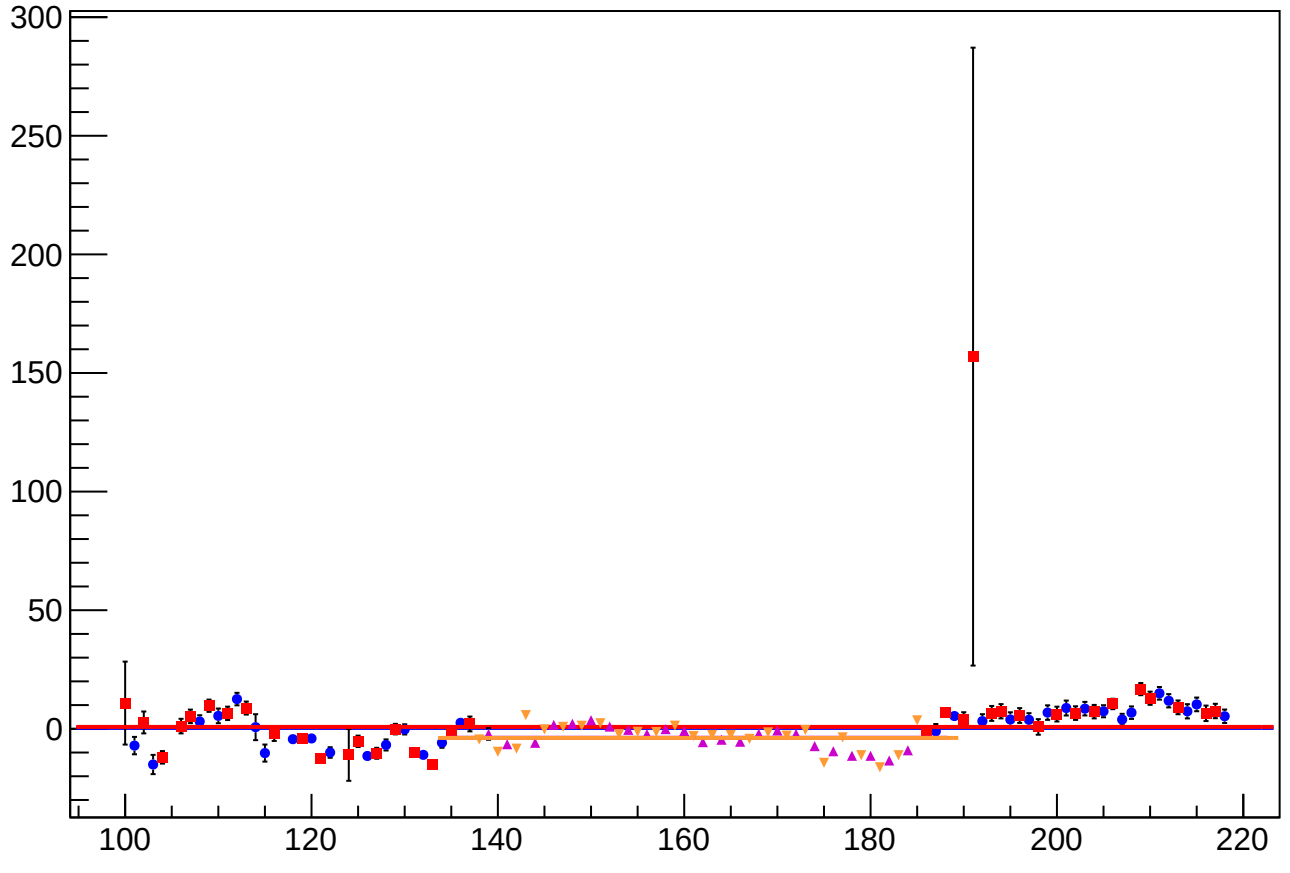
Right Out: -1.767+/-0.337 χ^2/NDF: 3941.8/35

Left In: 25.089+/-0.287 χ^2/NDF:495.3/22

+ sign 14.600+/-0.219 χ^2/NDF: 9345.2/56

All: 14.201+/-0.155 χ^2/NDF: 17463.3/115

- sign 13.803+/-0.219 χ^2/NDF: 8111.5/58



Right In: 0.381+/-0.431 χ^2/NDF: 289.6/31

Left Out: -3.845+/-0.218 χ^2/NDF:649.4/24

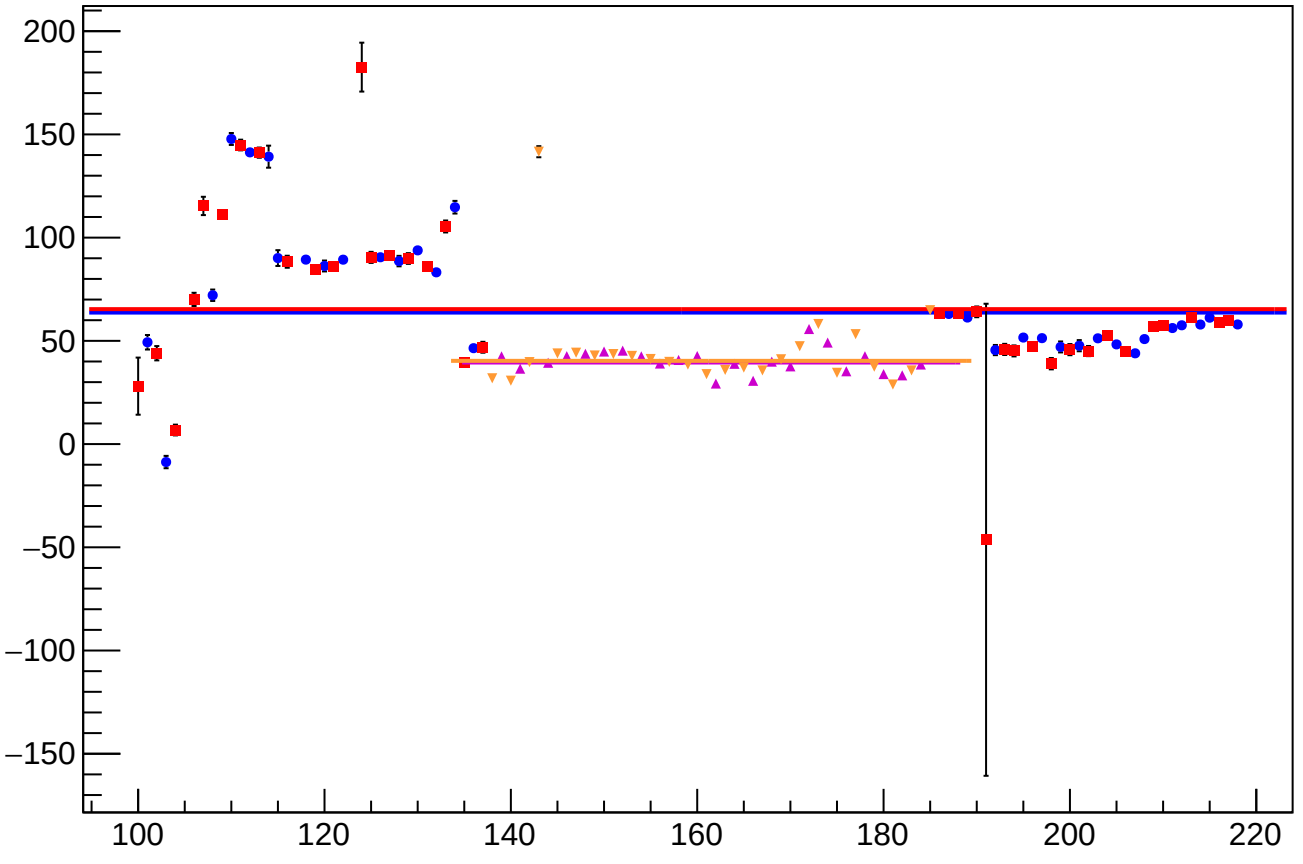
Right Out: 0.798+/-0.420 χ^2/NDF: 363.6/35

Left In: -3.780+/-0.224 χ^2/NDF:509.8/22

\+ sign -2.985+/-0.194 χ^2/NDF: 1015.5/56

All: -2.879+/-0.138 χ^2/NDF: 1982.2/115

\- sign -2.769+/-0.197 χ^2/NDF: 966.0/58



Right In: 63.697+/-0.359 χ^2/NDF: 4688.9/31

Left Out: 40.315+/-0.280 χ^2/NDF:2182.8/24

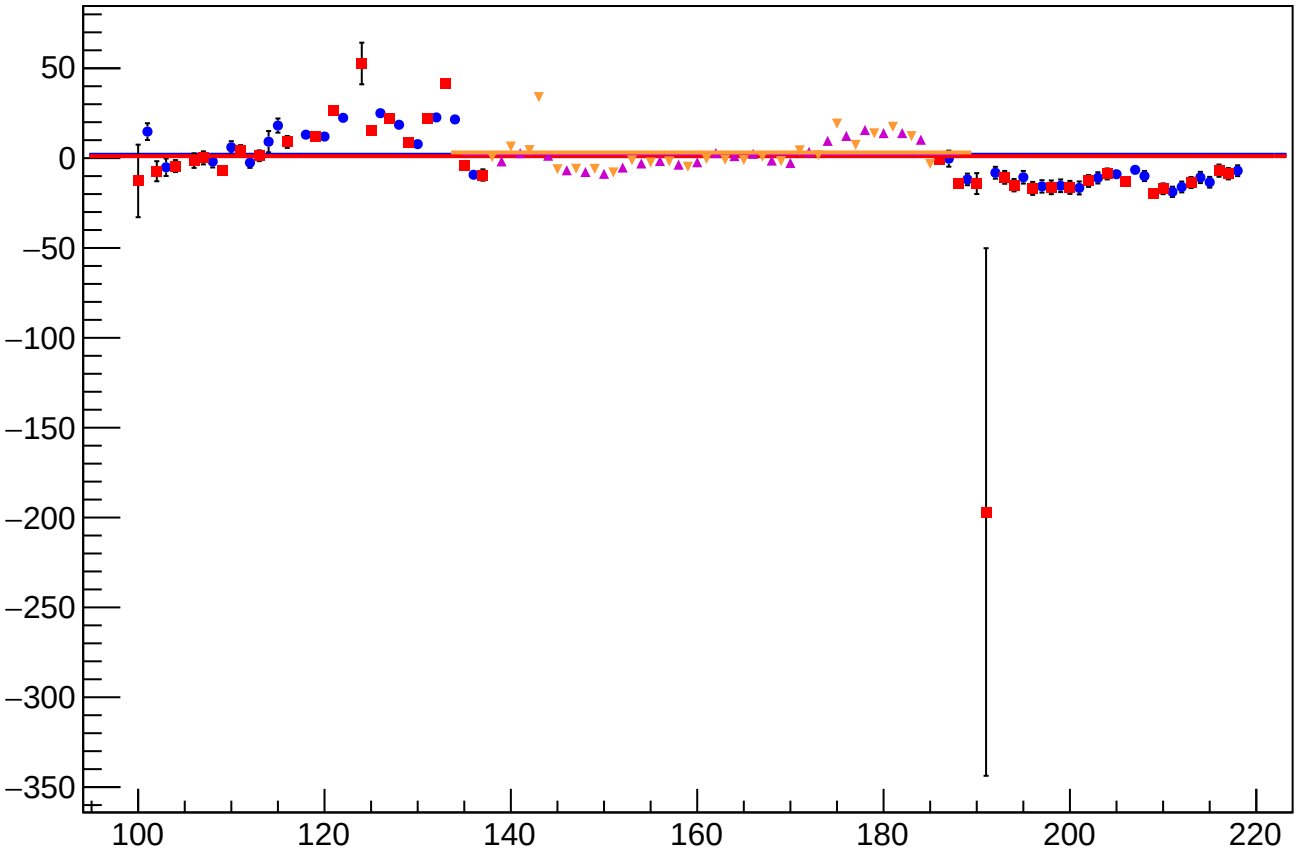
Right Out: 65.360+/-0.340 χ^2/NDF: 4856.7/35

Left In: 39.504+/-0.285 χ^2/NDF:432.1/22

\+ sign 49.158+/-0.221 χ^2/NDF: 9506.2/56

All: 49.664+/-0.155 χ^2/NDF: 18203.0/115

\- sign 50.157+/-0.218 χ^2/NDF: 8686.5/58



Right In: 1.871+/-0.489 χ^2/NDF: 859.3/31

Left Out: 3.142+/-0.245 χ^2/NDF:1267.0/24

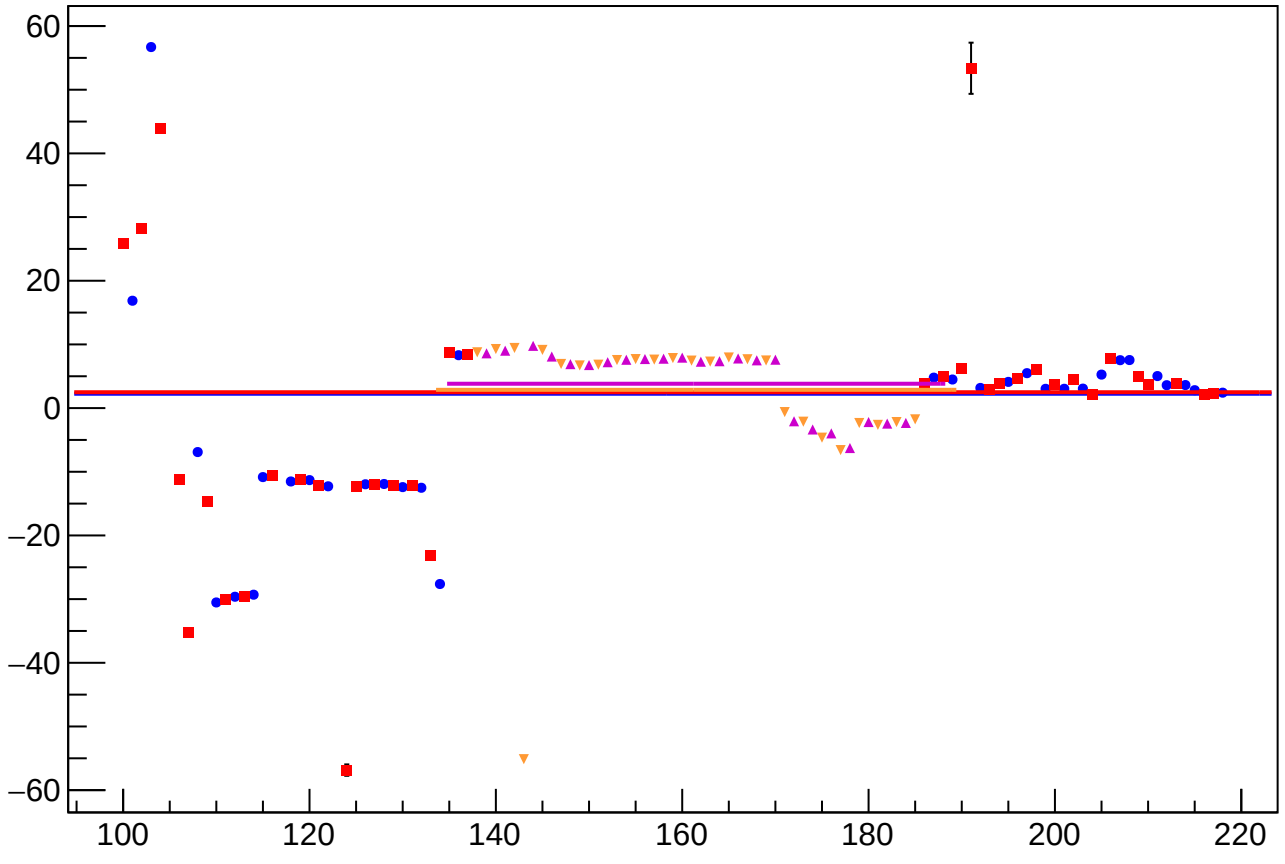
Right Out: 1.091+/-0.490 χ^2/NDF: 1042.2/35

Left In: 2.519+/-0.251 χ^2/NDF:968.2/22

+ sign 2.886+/-0.219 χ^2/NDF: 2131.7/56

All: 2.560+/-0.157 χ^2/NDF: 4153.3/115

- sign 2.221+/-0.223 χ^2/NDF: 2017.1/58



Right In: 2.256+/-0.023 χ^2/NDF: 383015.4/31

Left Out: 2.870+/-0.011 χ^2/NDF:512331.0/24

Right Out: 2.490+/-0.024 χ^2/NDF: 330761.8/35

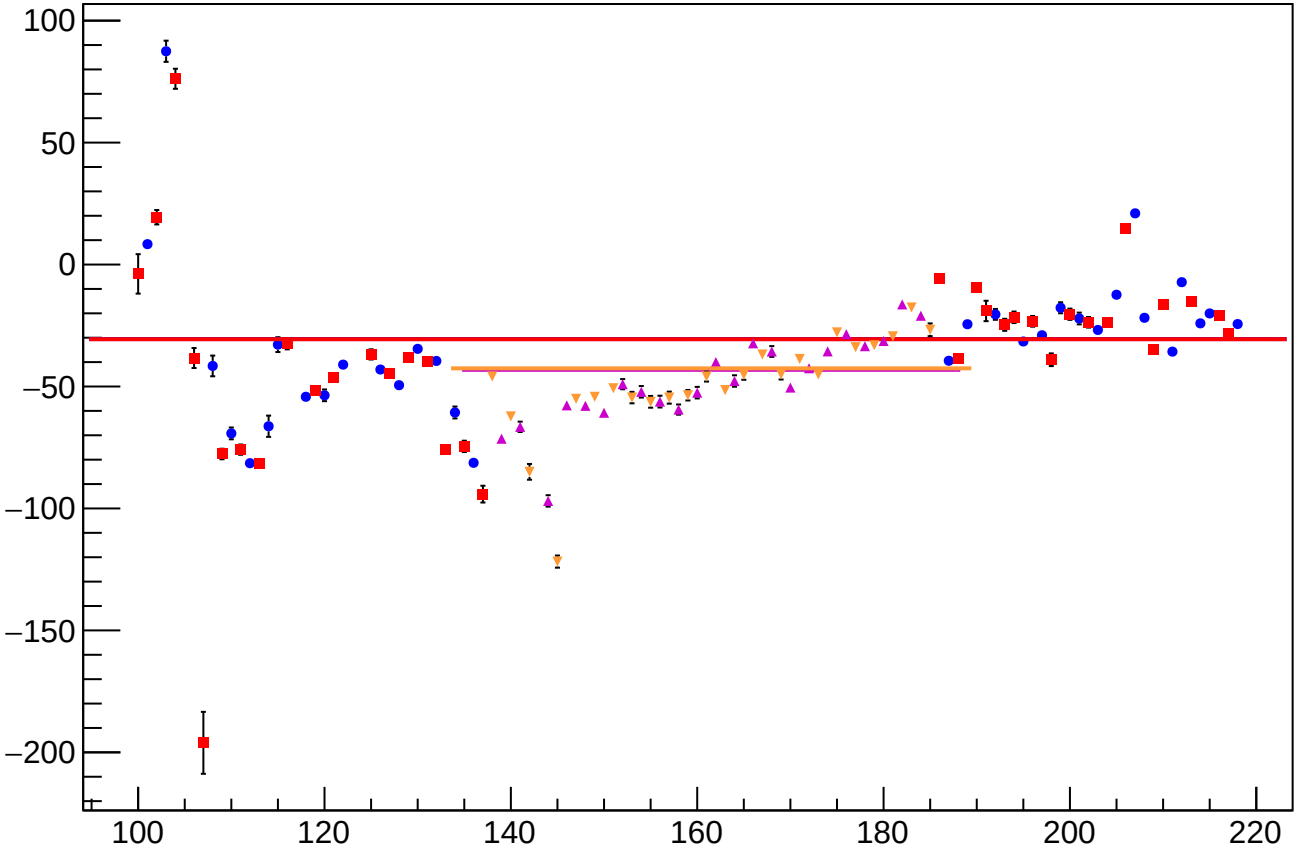
Left In: 3.825+/-0.011 χ^2/NDF:233224.7/22

+ sign 2.759+/-0.010 χ^2/NDF: 895914.1/56

All: 3.166+/-0.007 χ^2/NDF: 1465929.0/115

- sign 3.582+/-0.010 χ^2/NDF: 566615.5/58

reg_asym_usl_atl1_avg_diff_bpm1X_slope vs Slug



Right In: -30.558+/-0.318 χ^2/NDF: 5447.7/31

Left Out: -42.560+/-0.378 χ^2/NDF:2326.4/23

Right Out: -30.603+/-0.301 χ^2/NDF: 6554.9/34

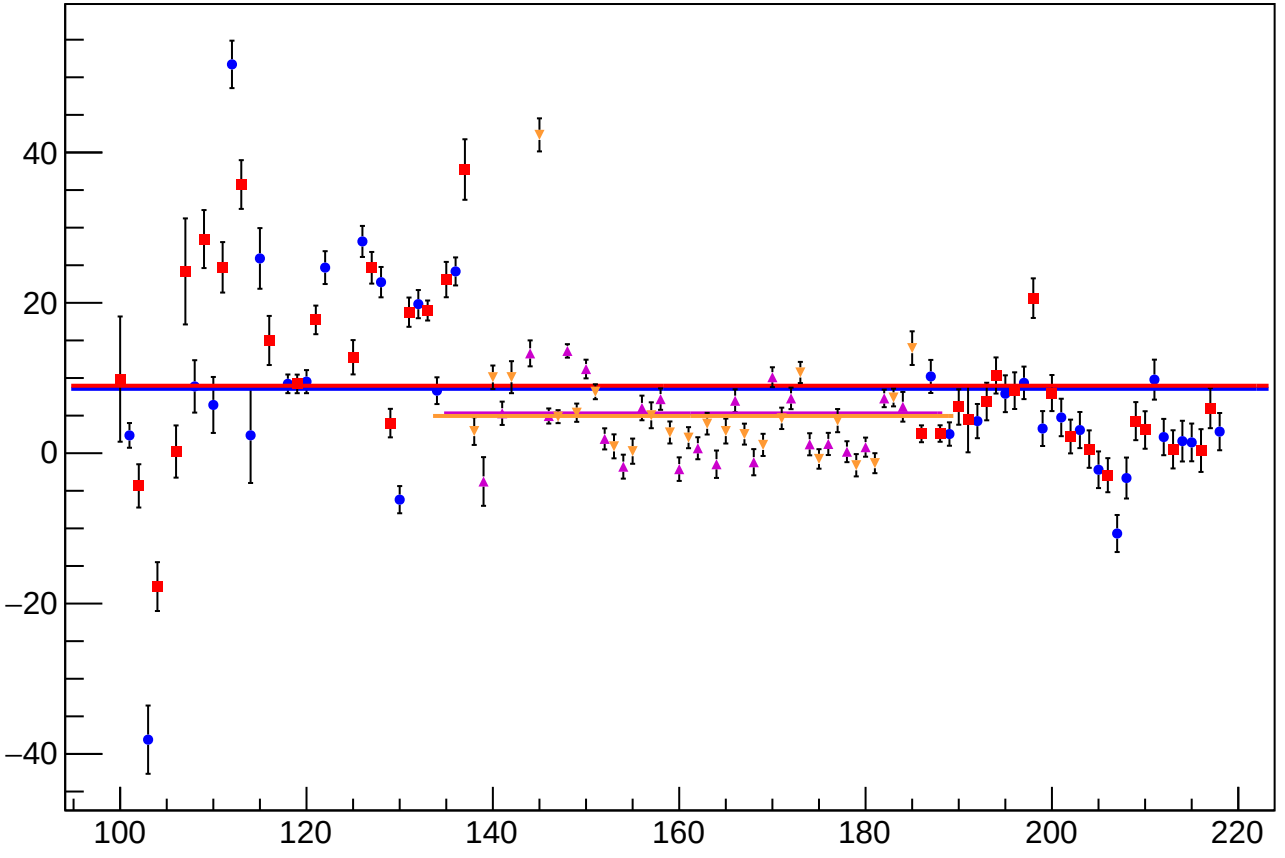
Left In: -43.152+/-0.382 χ^2/NDF:2206.6/22

+ sign -35.536+/-0.244 χ^2/NDF: 8363.1/55

All: -35.479+/-0.170 χ^2/NDF: 17790.9/113

- sign -35.426+/-0.237 χ^2/NDF: 9427.7/57

reg_asym_usl_atl1_avg_diff_bpm4aY_slope vs Slug



Right In: 8.563+/-0.387 χ^2/NDF: 852.8/31

Left Out: 4.954+/-0.288 χ^2/NDF:449.1/23

Right Out: 8.975+/-0.369 χ^2/NDF: 642.4/34

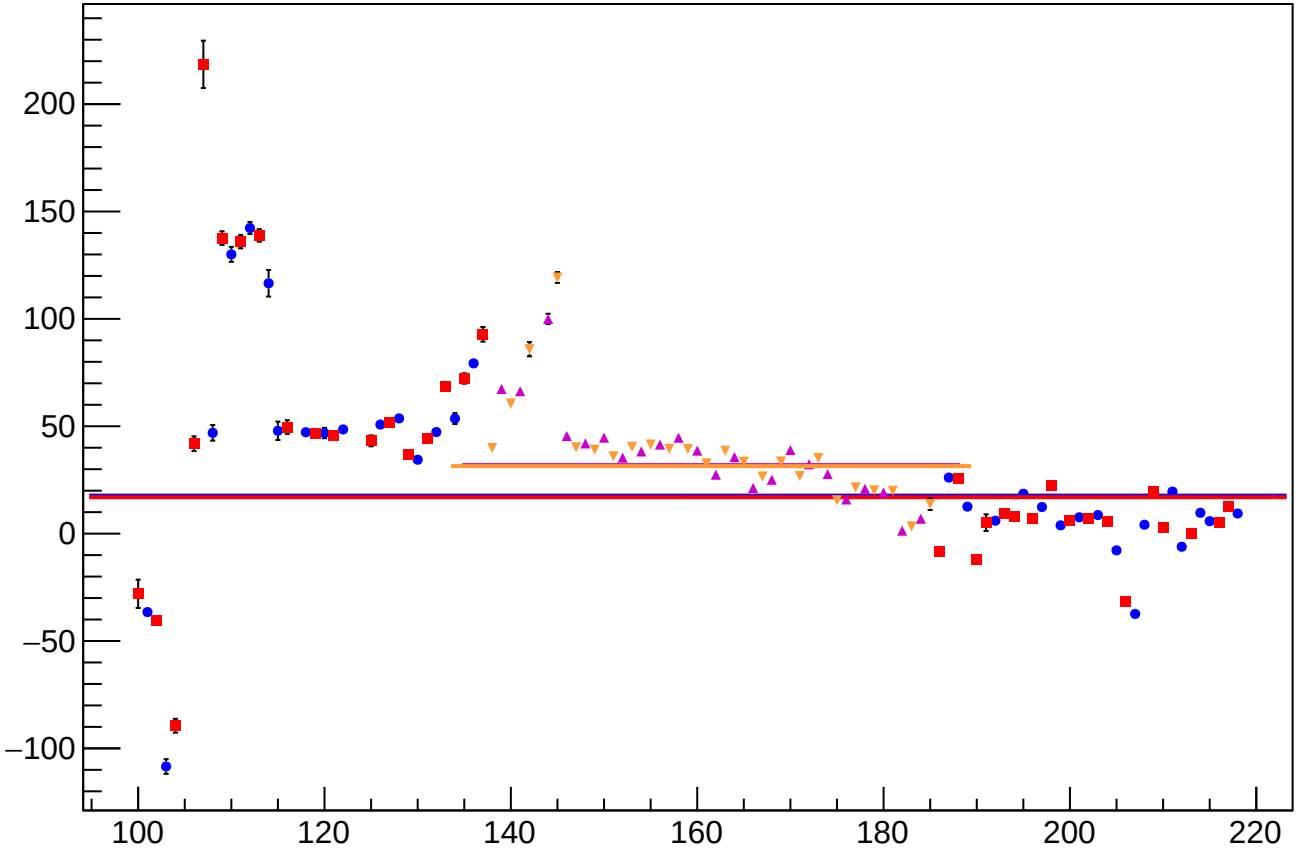
Left In: 5.292+/-0.294 χ^2/NDF:286.4/22

+ sign 6.242+/-0.231 χ^2/NDF: 1357.7/55

All: 6.484+/-0.163 χ^2/NDF: 2349.5/113

- sign 6.723+/-0.230 χ^2/NDF: 989.7/57

reg_asym_usl_atl1_avg_diff_bpm4eX_slope vs Slug



Right In: 17.698+/-0.320 χ^2/NDF: 11171.3/31

Left Out: 31.439+/-0.376 χ^2/NDF:2762.0/23

Right Out: 16.956+/-0.290 χ^2/NDF: 12892.3/34

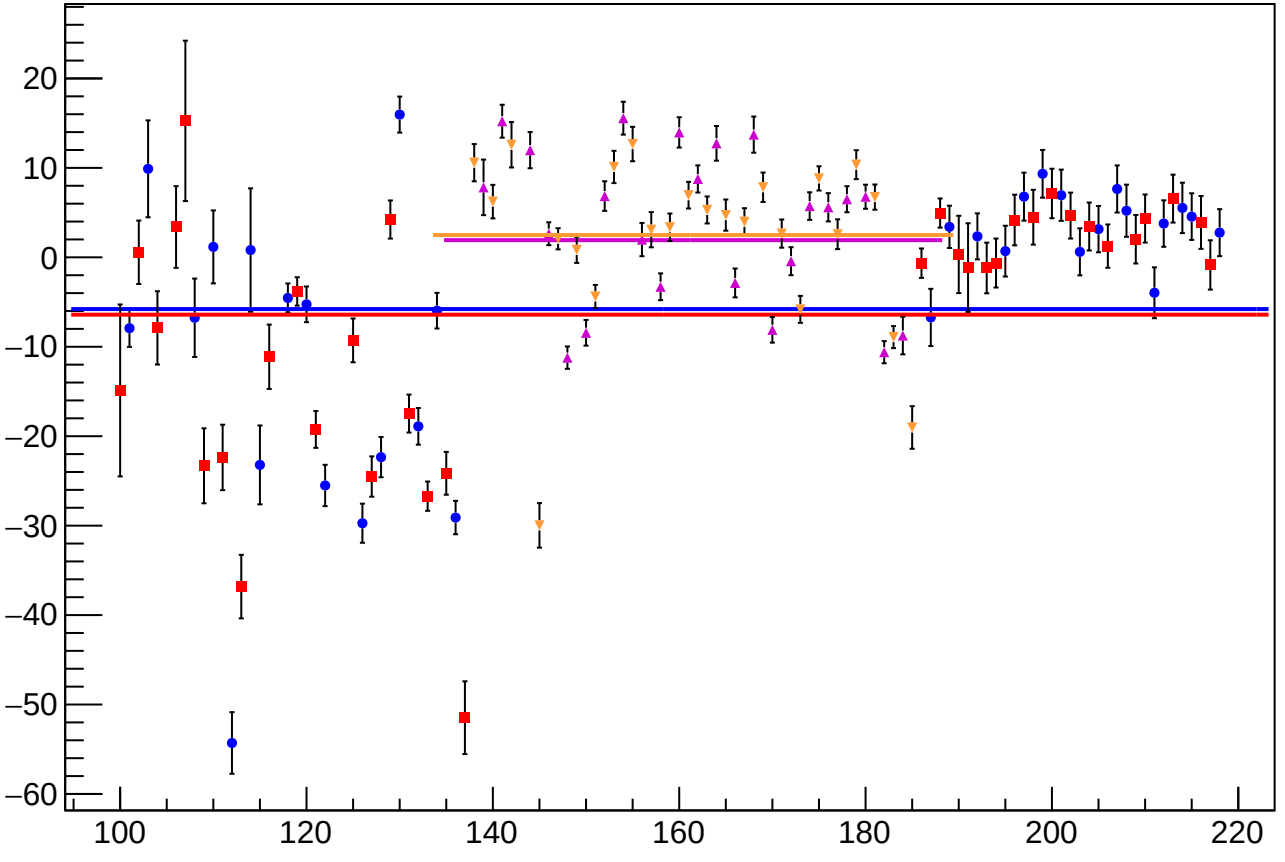
Left In: 31.895+/-0.378 χ^2/NDF:2767.3/22

+ sign 23.477+/-0.244 χ^2/NDF: 14709.1/55

All: 22.960+/-0.167 χ^2/NDF: 31359.0/113

- sign 22.498+/-0.230 χ^2/NDF: 16641.4/57

reg_asym_usl_atl1_avg_diff_bpm4eY_slope vs Slug



Right In: -5.785+/-0.448 χ^2/NDF: 1006.8/31

Left Out: 2.494+/-0.327 χ^2/NDF:558.7/23

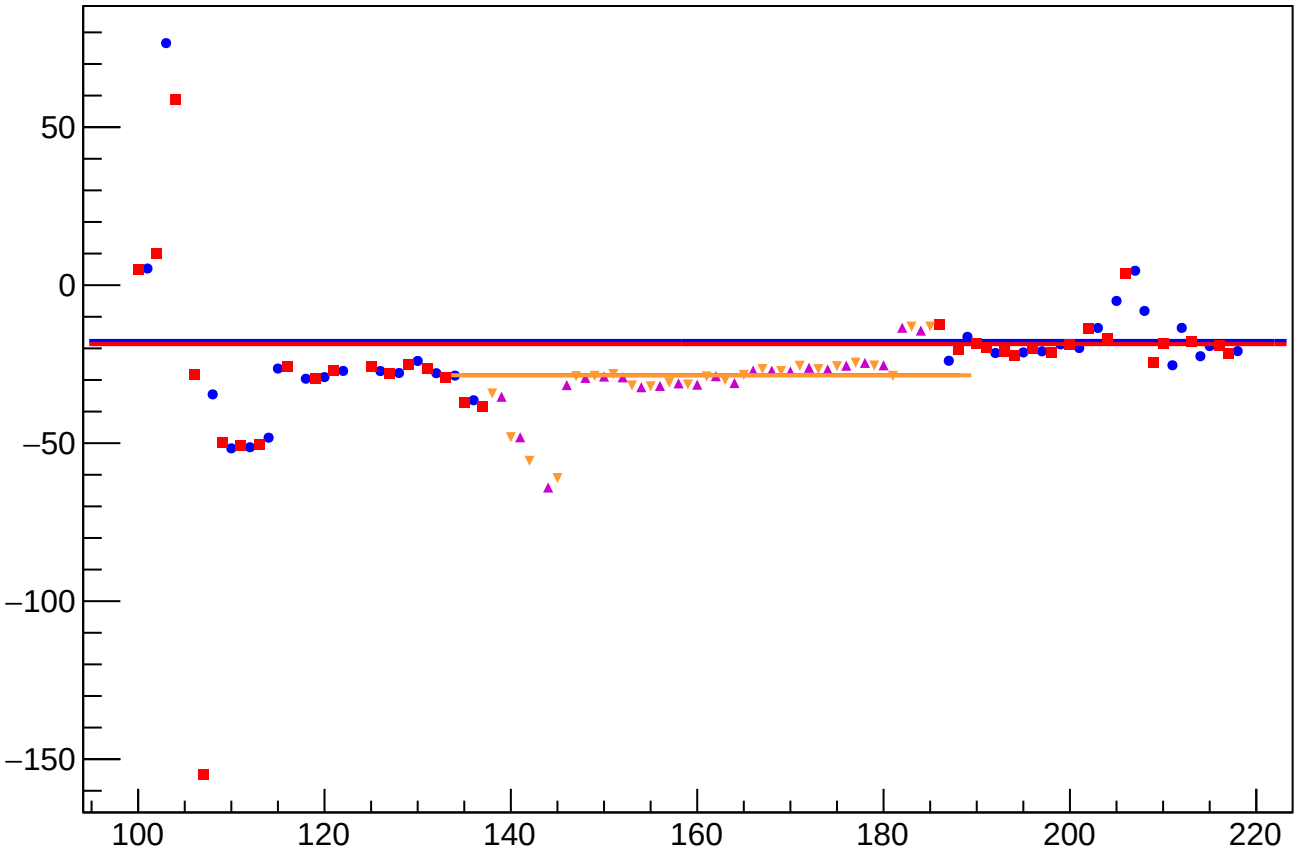
Right Out: -6.410+/-0.442 χ^2/NDF: 846.6/34

Left In: 1.921+/-0.332 χ^2/NDF:678.8/22

+ sign -0.379+/-0.264 χ^2/NDF: 1788.3/55

All: -0.731+/-0.187 χ^2/NDF: 3544.6/113

- sign -1.086+/-0.265 χ^2/NDF: 1752.8/57



Right In: -17.637+/-0.021 χ^2/NDF: 732910.2/31

Left Out: -28.513+/-0.015 χ^2/NDF:333774.3/23

Right Out: -18.676+/-0.021 χ^2/NDF: 625722.6/34

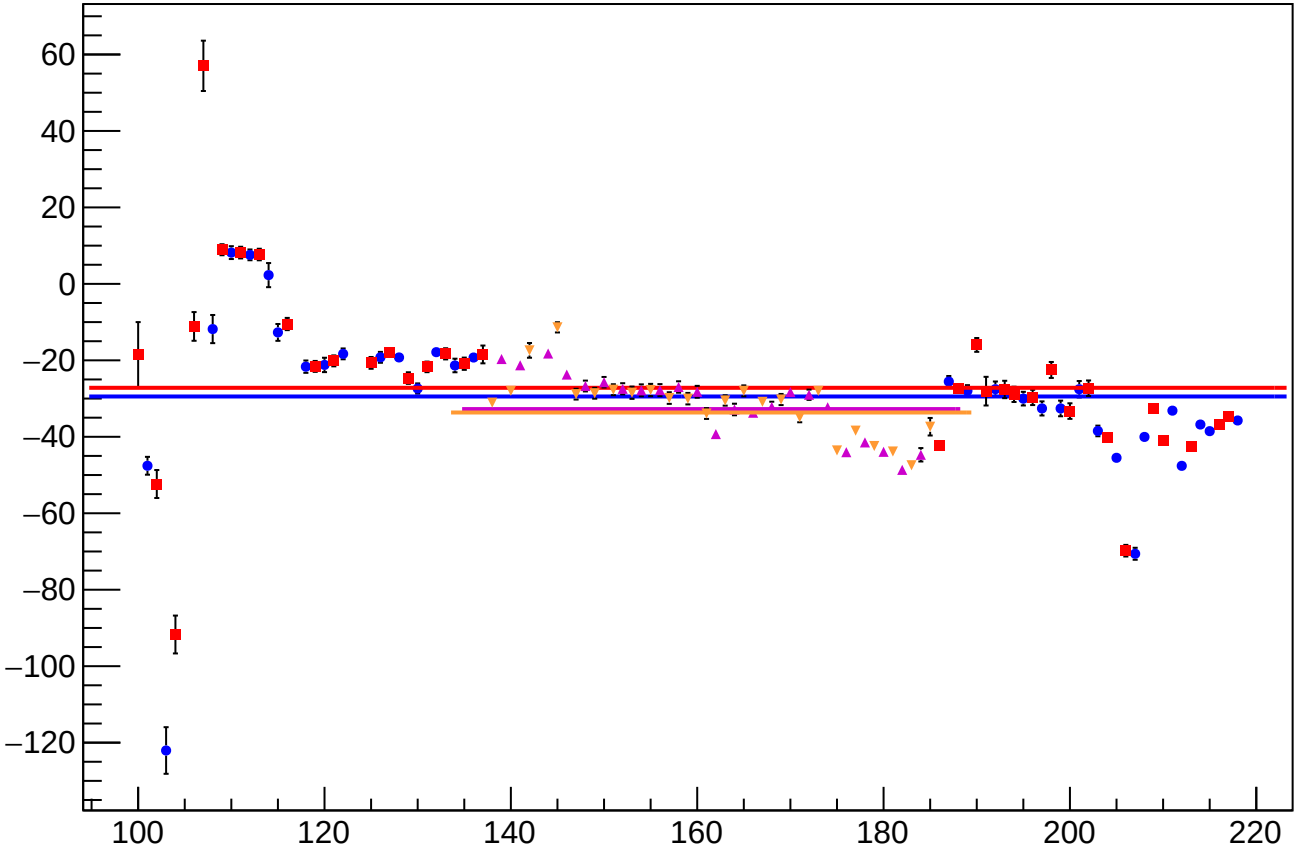
Left In: -28.495+/-0.015 χ^2/NDF:287757.4/22

\+ sign -24.938+/-0.012 χ^2/NDF: 1245021.9/55

All: -25.062+/-0.009 χ^2/NDF: 2306971.3/113

\- sign -25.184+/-0.012 χ^2/NDF: 1061742.1/57

reg_asym_usl_atl1_dd_diff_bpm1X_slope vs Slug



Right In: -29.455+/-0.257 χ^2/NDF: 3514.0/31

Left Out: -33.643+/-0.265 χ^2/NDF:1015.9/23

Right Out: -27.185+/-0.256 χ^2/NDF: 4016.3/34

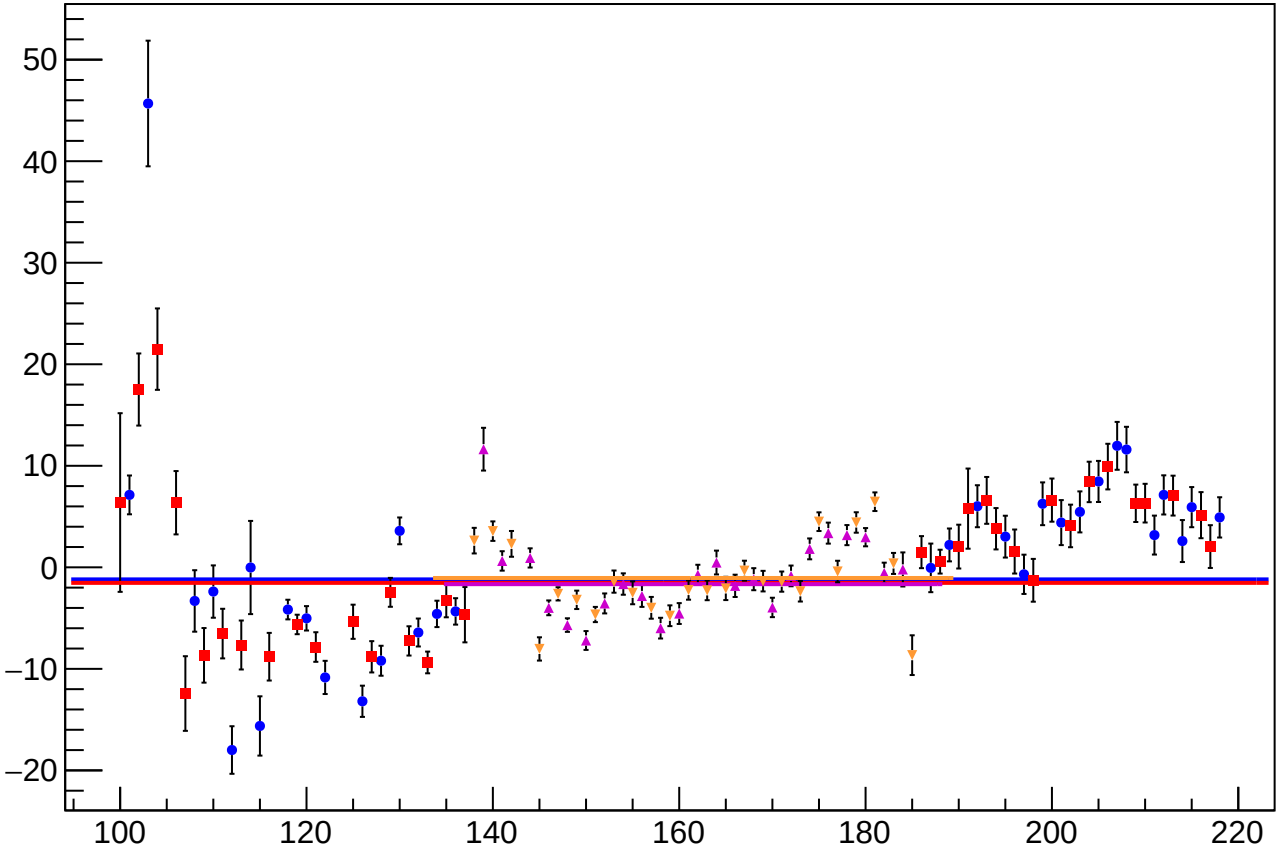
Left In: -32.750+/-0.269 χ^2/NDF:1143.5/22

+ sign -31.483+/-0.184 χ^2/NDF: 4658.6/55

All: -30.660+/-0.131 χ^2/NDF: 10083.6/113

- sign -29.831+/-0.185 χ^2/NDF: 5385.0/57

reg_asym_usl_atl1_dd_diff_bpm4aY_slope vs Slug



Right In: -1.188+/-0.315 χ^2/NDF: 524.9/31

Left Out: -1.050+/-0.203 χ^2/NDF:289.4/23

Right Out: -1.530+/-0.315 χ^2/NDF: 414.8/34

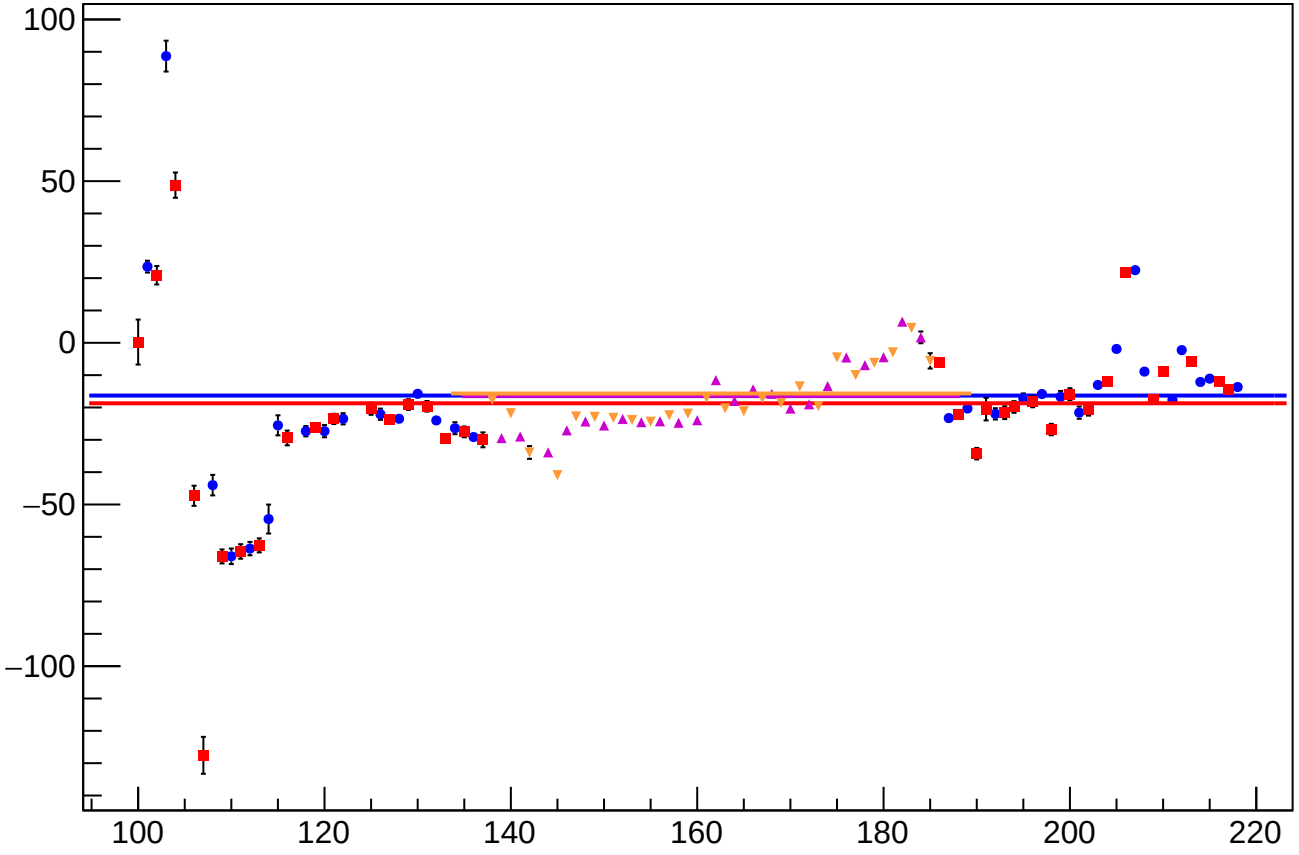
Left In: -1.659+/-0.207 χ^2/NDF:264.4/22

+ sign -1.090+/-0.171 χ^2/NDF: 814.5/55

All: -1.352+/-0.121 χ^2/NDF: 1498.5/113

- sign -1.620+/-0.173 χ^2/NDF: 679.3/57

reg_asym_usl_atl1_dd_diff_bpm4eX_slope vs Slug



Right In: -16.313+/-0.267 χ^2/NDF: 3480.2/31

Left Out: -15.674+/-0.263 χ^2/NDF:1520.8/23

Right Out: -18.699+/-0.261 χ^2/NDF: 3763.8/34

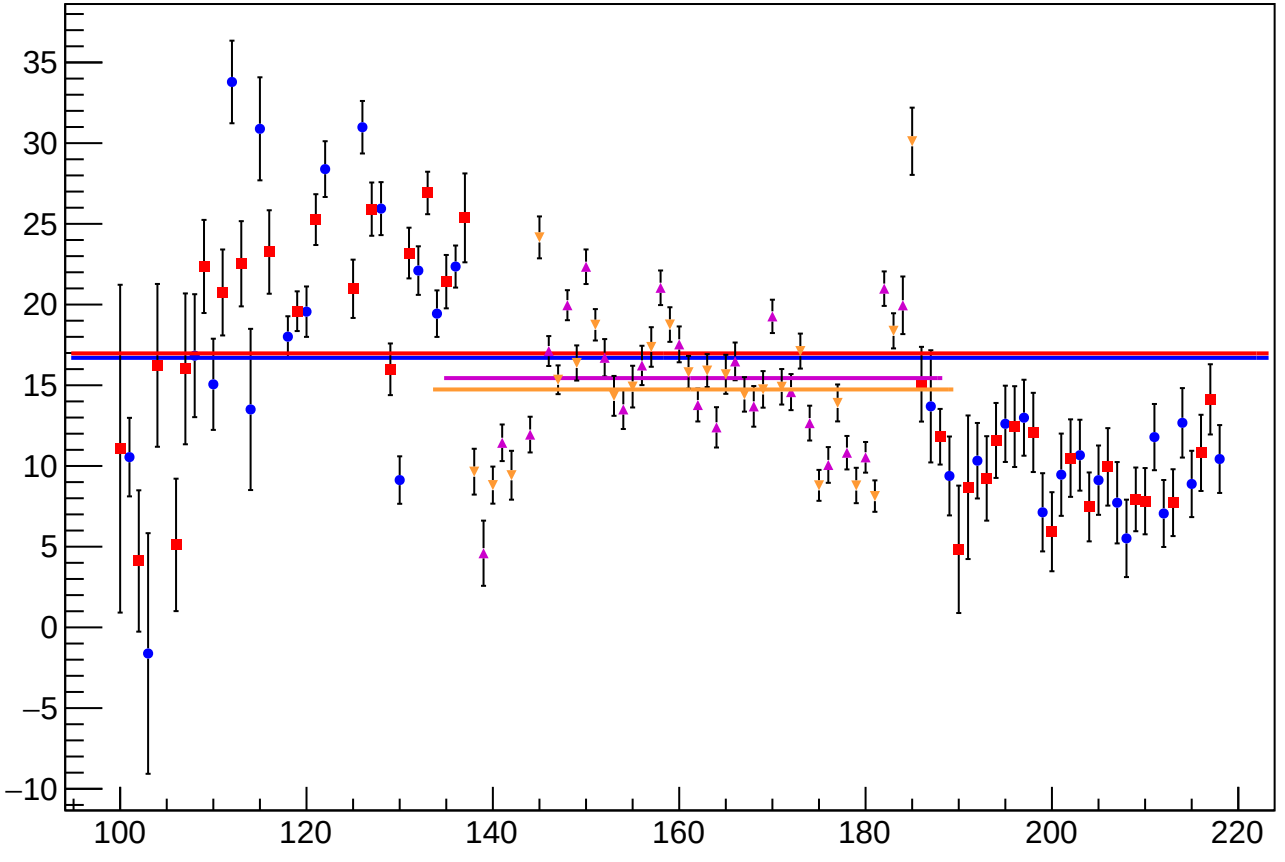
Left In: -16.480+/-0.266 χ^2/NDF:1697.7/22

+ sign -15.988+/-0.187 χ^2/NDF: 5003.9/55

All: -16.806+/-0.132 χ^2/NDF: 10538.7/113

- sign -17.612+/-0.186 χ^2/NDF: 5497.0/57

reg_asym_usl_atl1_dd_diff_bpm4eY_slope vs Slug



Right In: 16.699+/-0.358 χ^2/NDF: 453.4/31

Left Out: 14.740+/-0.229 χ^2/NDF:331.0/23

Right Out: 16.975+/-0.365 χ^2/NDF: 358.8/34

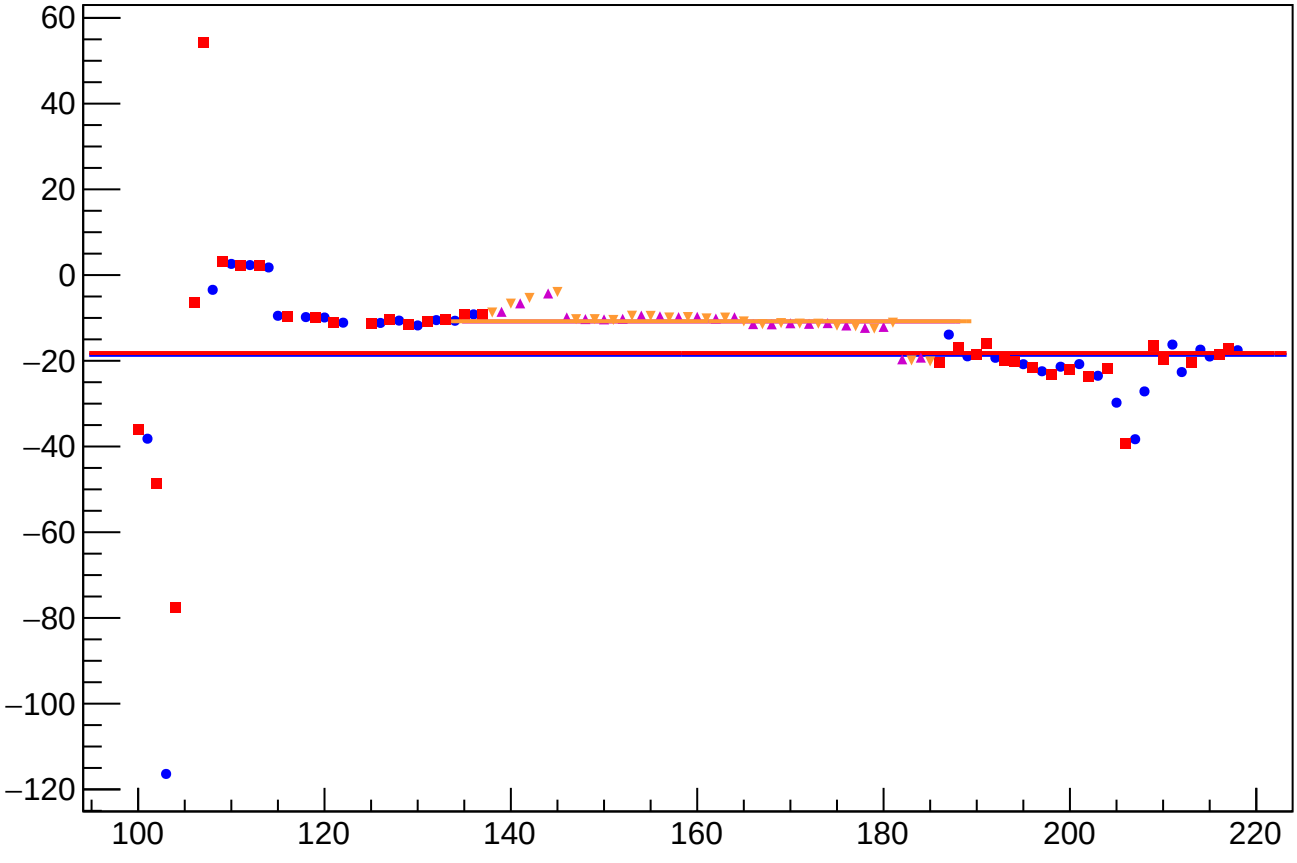
Left In: 15.444+/-0.233 χ^2/NDF:290.4/22

+ sign 15.310+/-0.193 χ^2/NDF: 805.6/55

All: 15.594+/-0.138 χ^2/NDF: 1471.6/113

- sign 15.888+/-0.196 χ^2/NDF: 661.7/57

reg_asym_usl_atl1_dd_diff_bpm12X_slope vs Slug



Right In: -18.610+/-0.018 χ^2/NDF: 456403.5/31

Left Out: -10.778+/-0.010 χ^2/NDF:84755.9/23

Right Out: -18.190+/-0.018 χ^2/NDF: 433329.1/34

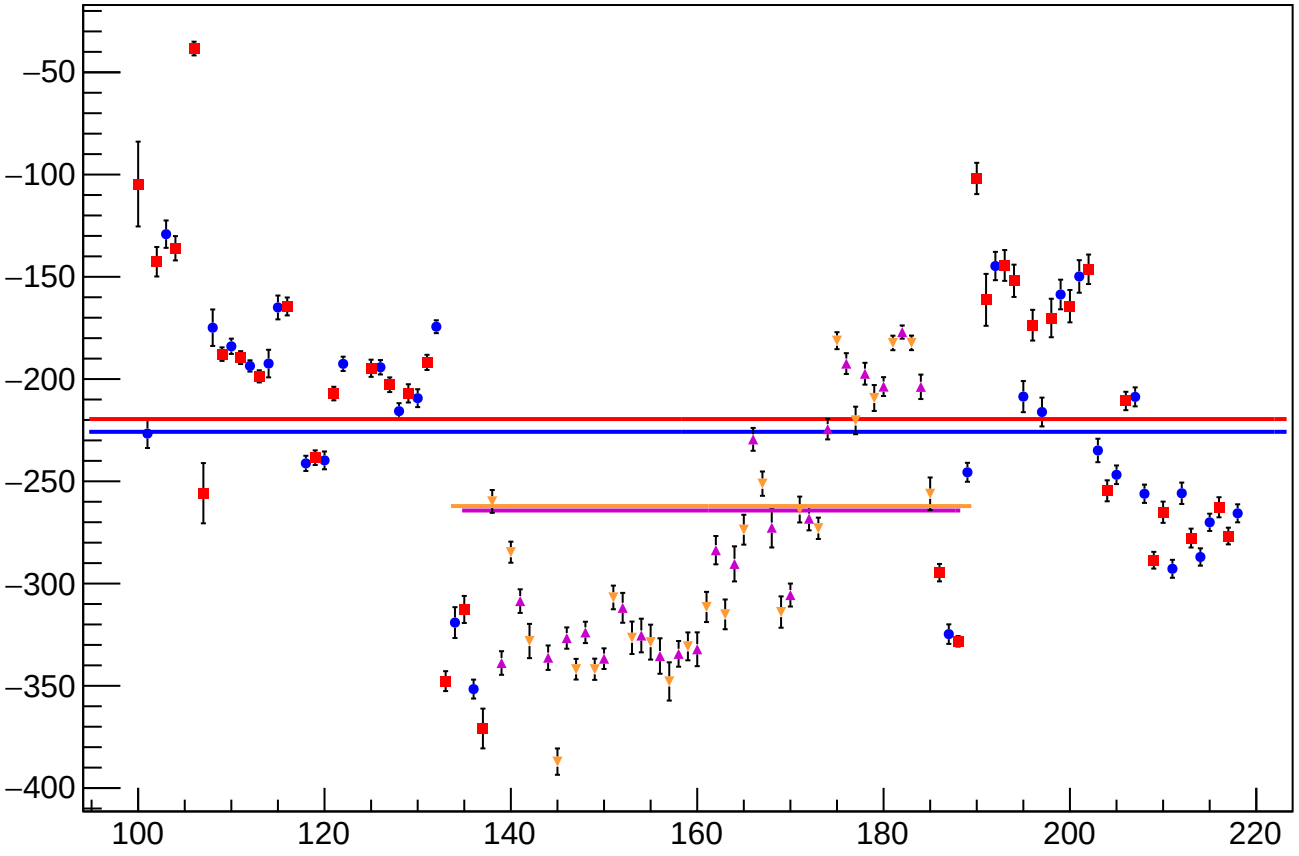
Left In: -10.834+/-0.010 χ^2/NDF:74113.9/22

+ sign -12.763+/-0.009 χ^2/NDF: 688150.9/55

All: -12.725+/-0.006 χ^2/NDF: 1323770.4/113

- sign -12.687+/-0.009 χ^2/NDF: 635582.5/57

reg_asym_usl_atl2_avg_diff_bpm1X_slope vs Slug



Right In: -225.800+/-0.819 χ^2/NDF: 3529.0/31

Left Out: -262.110+/-1.179 χ^2/NDF:2964.6/23

Right Out: -219.556+/-0.775 χ^2/NDF: 8546.6/34

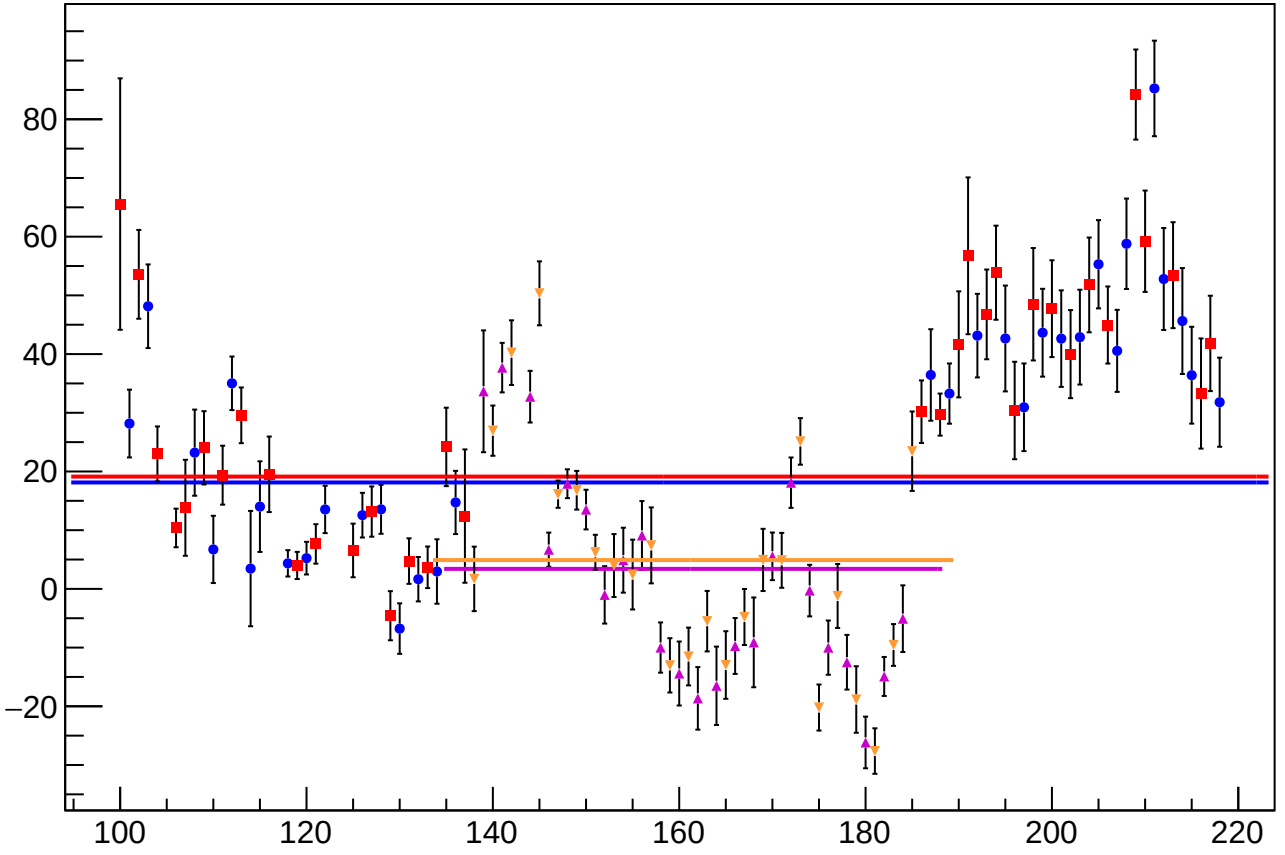
Left In: -264.272+/-1.186 χ^2/NDF:2741.9/22

+ sign -237.622+/-0.673 χ^2/NDF: 7132.9/55

All: -235.198+/-0.467 χ^2/NDF: 19442.9/113

- sign -232.945+/-0.649 χ^2/NDF: 12285.0/57

reg_asym_usl_atl2_avg_diff_bpm4aY_slope vs Slug



Right In: 18.131+/-0.928 χ^2/NDF: 396.5/31

Left Out: 4.909+/-0.886 χ^2/NDF:398.9/23

Right Out: 19.128+/-0.895 χ^2/NDF: 408.9/34

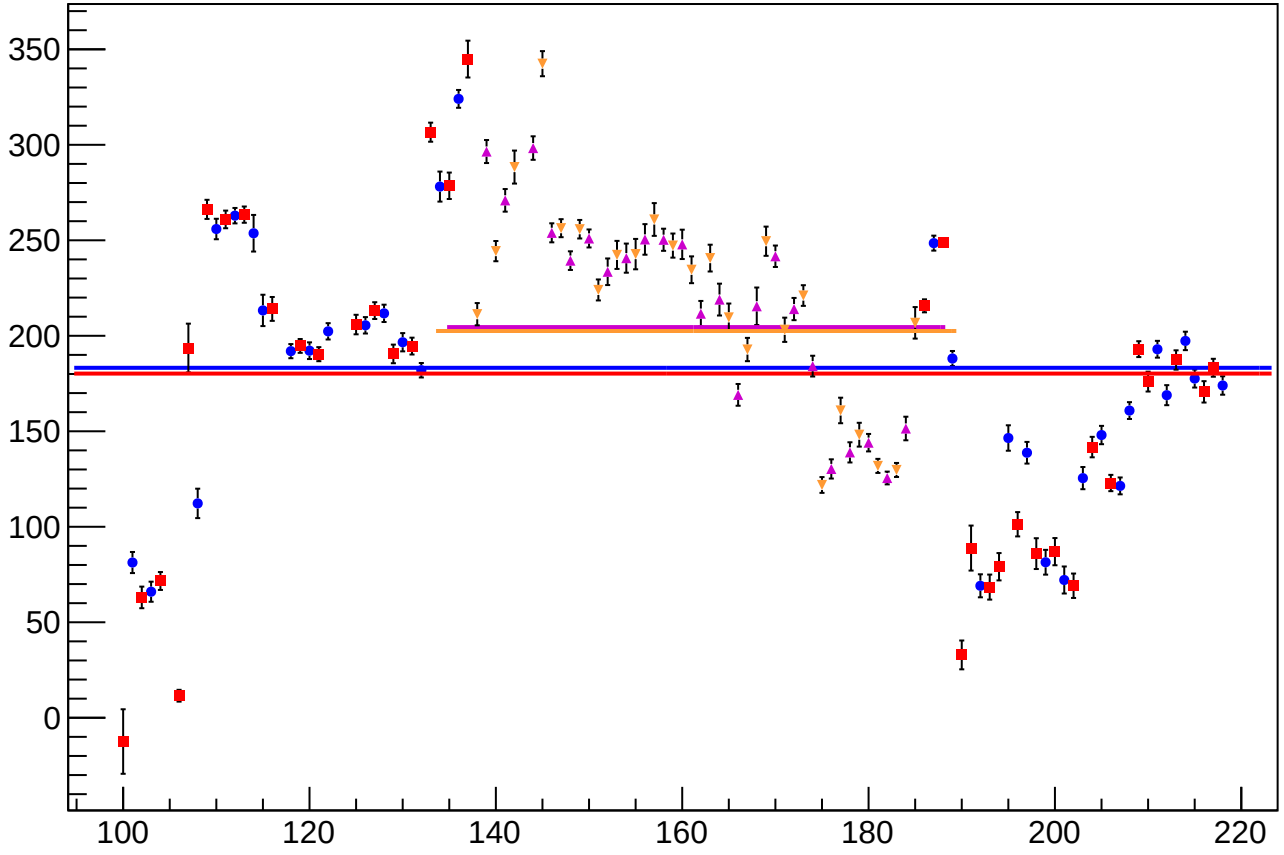
Left In: 3.409+/-0.901 χ^2/NDF:333.3/22

+ sign 11.216+/-0.641 χ^2/NDF: 901.6/55

All: 11.267+/-0.451 χ^2/NDF: 1797.0/113

- sign 11.317+/-0.635 χ^2/NDF: 895.4/57

reg_asym_usl_atl2_avg_diff_bpm4eX_slope vs Slug



Right In: 183.240+/-0.872 χ^2/NDF: 4343.2/31

Left Out: 202.511+/-1.173 χ^2/NDF:2393.5/23

Right Out: 180.211+/-0.806 χ^2/NDF: 9503.5/34

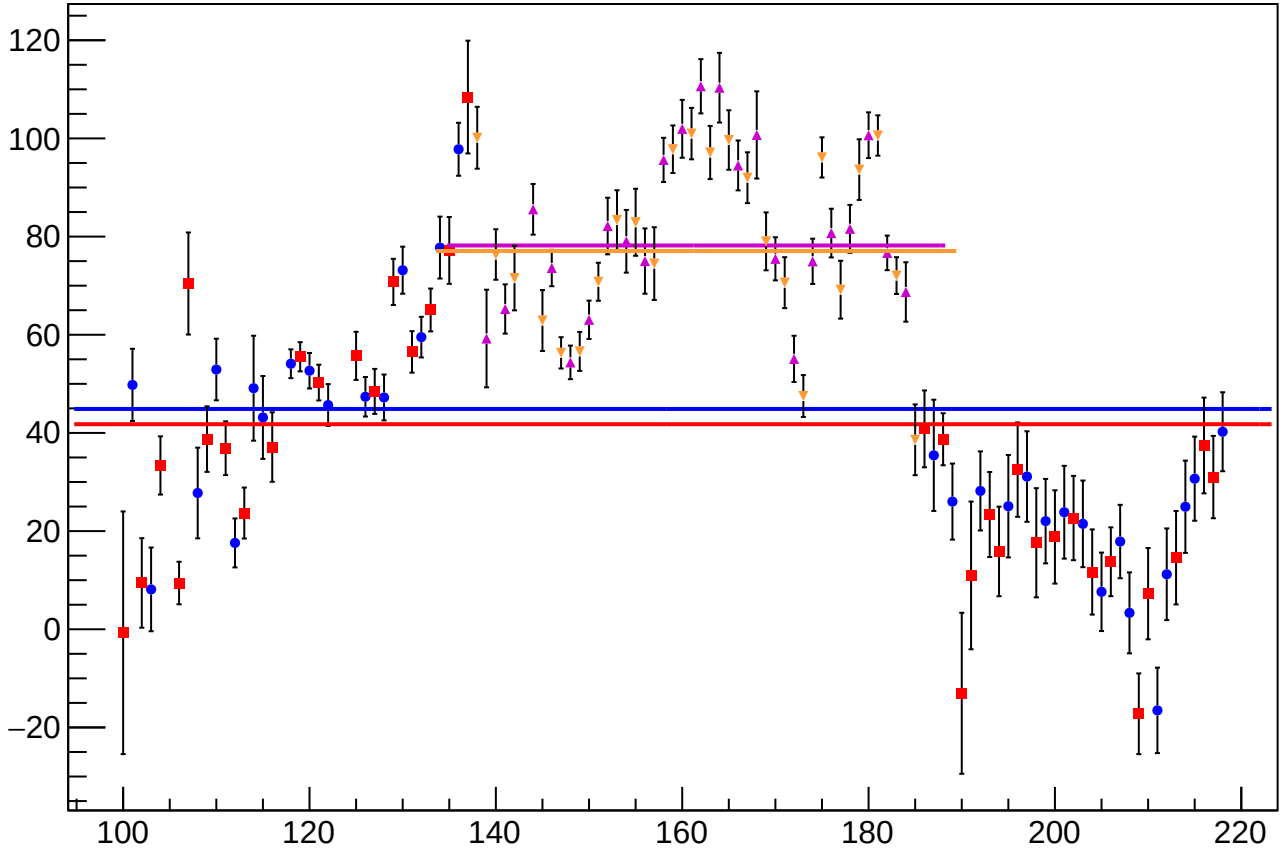
Left In: 204.560+/-1.177 χ^2/NDF:2285.7/22

+ sign 190.103+/-0.700 χ^2/NDF: 6910.5/55

All: 188.988+/-0.482 χ^2/NDF: 18995.8/113

- sign 187.982+/-0.665 χ^2/NDF: 12080.5/57

reg_asym_usl_atl2_avg_diff_bpm4eY_slope vs Slug



Right In: 44.884+/-1.078 χ^2/NDF: 406.3/31

Left Out: 77.061+/-1.015 χ^2/NDF:311.3/23

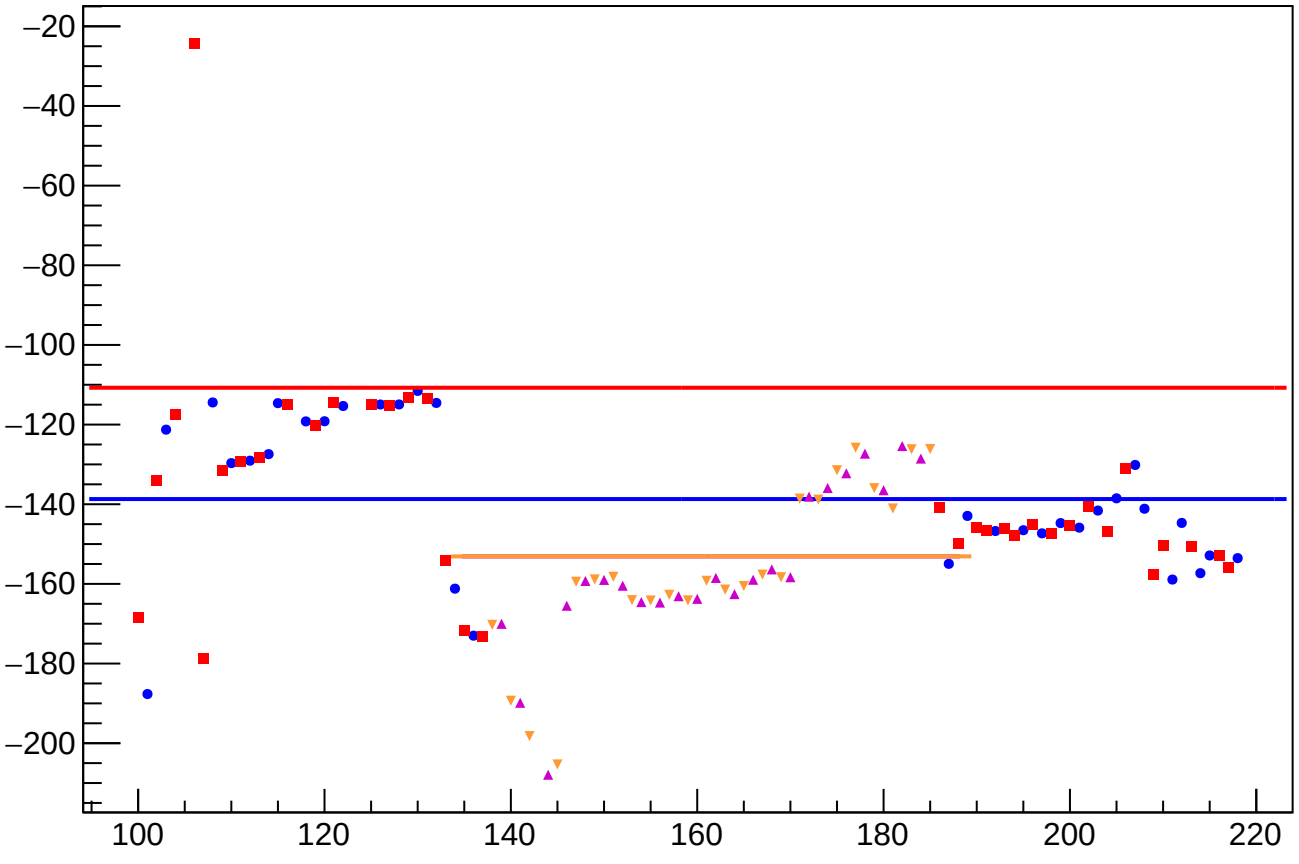
Right Out: 41.774+/-1.052 χ^2/NDF: 418.7/34

Left In: 78.189+/-1.026 χ^2/NDF:232.5/22

+ sign 61.937+/-0.739 χ^2/NDF: 1189.7/55

All: 61.190+/-0.521 χ^2/NDF: 2457.1/113

- sign 60.452+/-0.734 χ^2/NDF: 1265.4/57



Right In: -138.700+/-0.058 χ^2/NDF: 110337.7/31

Left Out: -153.090+/-0.047 χ^2/NDF:177552.0/23

Right Out: -110.749+/-0.050 χ^2/NDF: 1033089.5/34

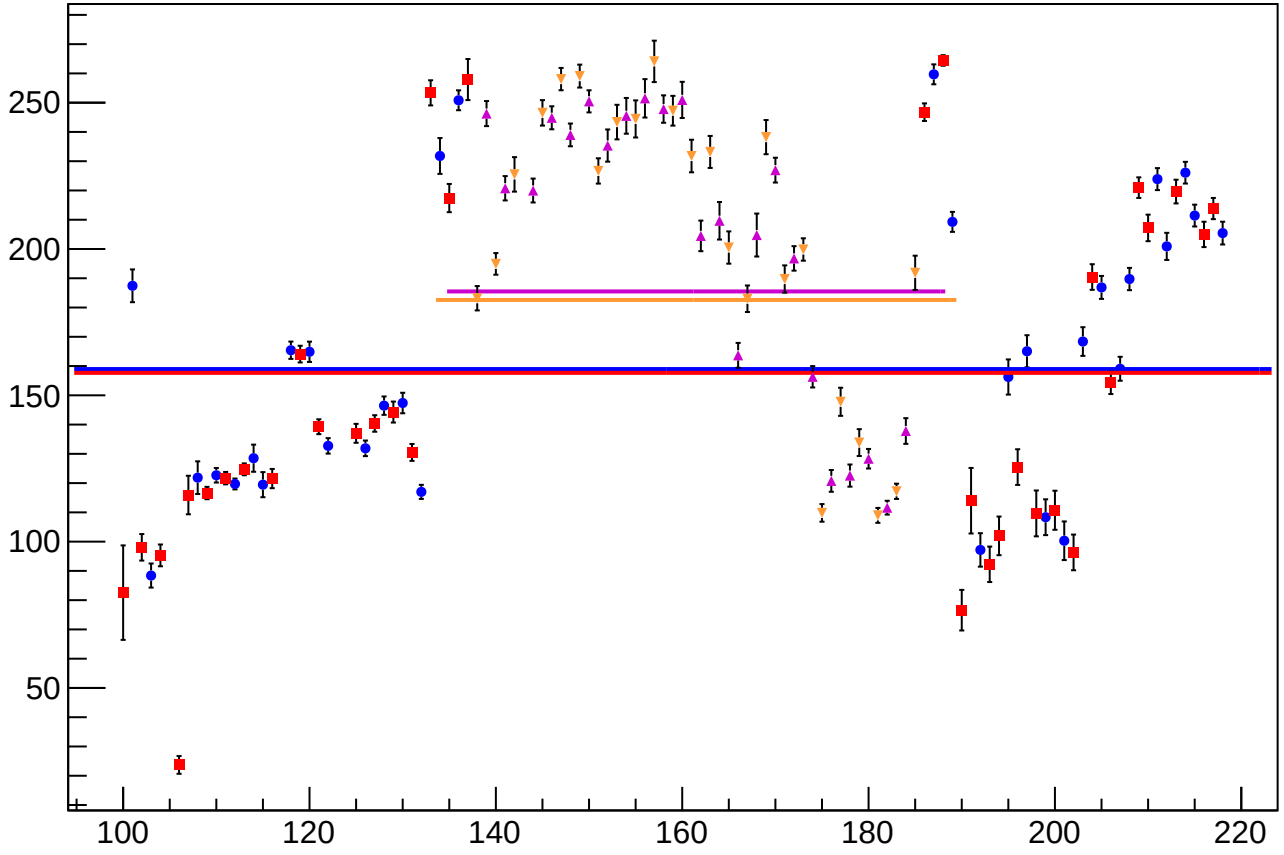
Left In: -153.103+/-0.047 χ^2/NDF:166644.2/22

+ sign -147.445+/-0.037 χ^2/NDF: 324795.7/55

All: -140.045+/-0.025 χ^2/NDF: 1981796.0/11

- sign -133.565+/-0.034 χ^2/NDF: 1580233.3/57

reg_asym_usl_atl2_dd_diff_bpm1X_slope vs Slug



Right In: 158.976+/-0.632 χ^2/NDF: 5086.7/31

Left Out: 182.591+/-0.866 χ^2/NDF:4152.3/23

Right Out: 157.679+/-0.589 χ^2/NDF: 10618.2/34

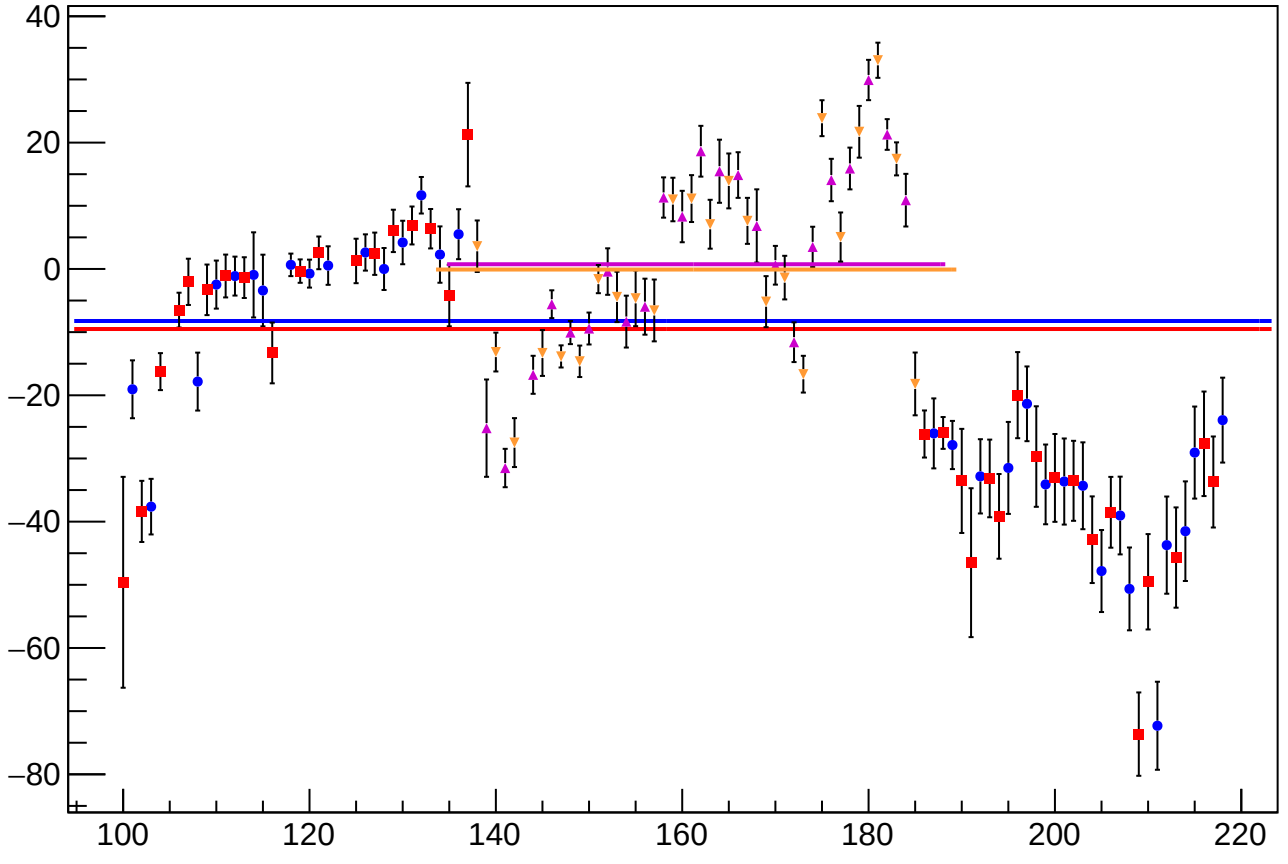
Left In: 185.497+/-0.872 χ^2/NDF:3822.2/22

+ sign 167.189+/-0.511 χ^2/NDF: 9724.1/55

All: 166.772+/-0.353 χ^2/NDF: 24864.1/113

- sign 166.390+/-0.488 χ^2/NDF: 15138.8/57

reg_asym_usl_atl2_dd_diff_bpm4aY_slope vs Slug



Right In: -8.238+/-0.717 χ^2/NDF: 562.9/31

Left Out: -0.092+/-0.655 χ^2/NDF:555.3/23

Right Out: -9.507+/-0.681 χ^2/NDF: 588.1/34

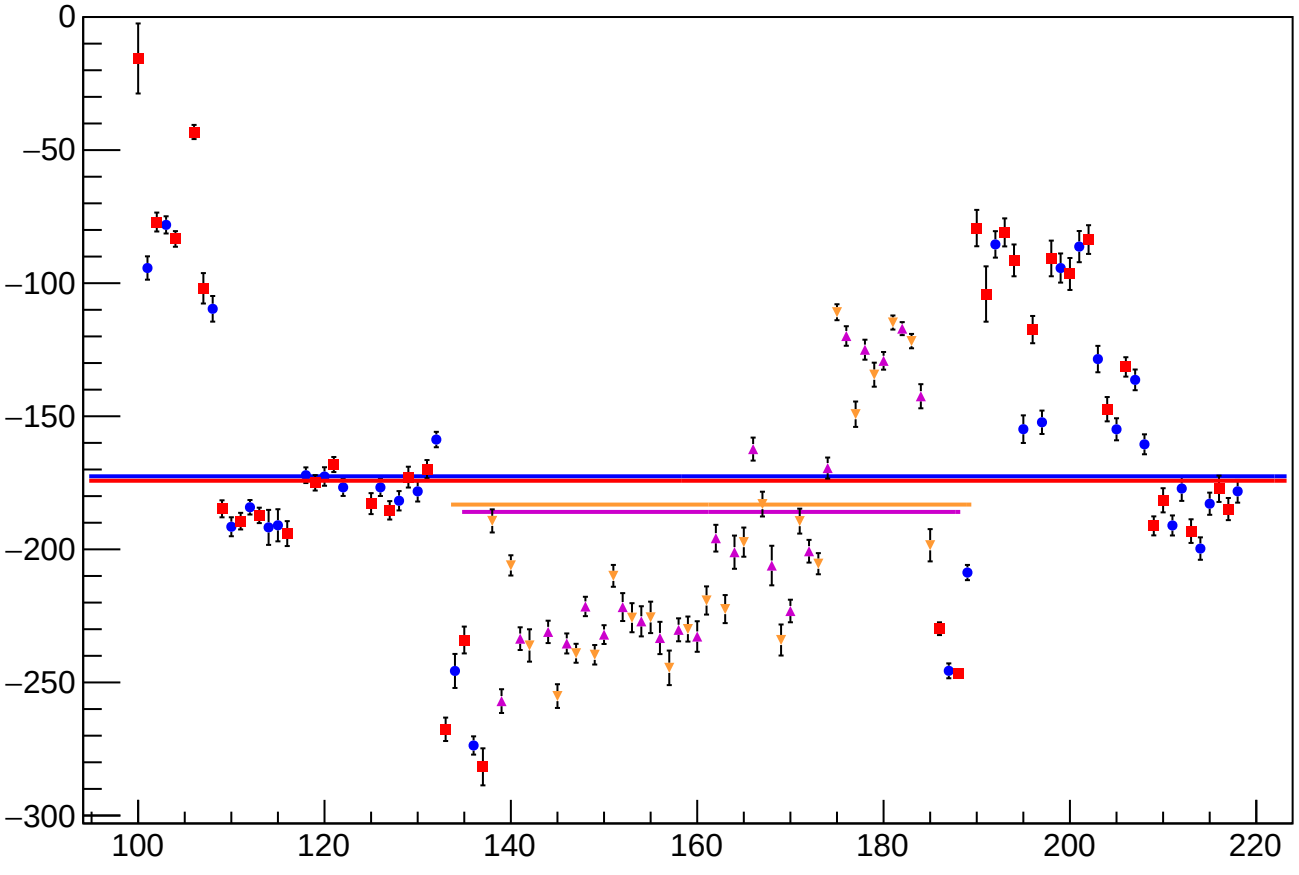
Left In: 0.747+/-0.665 χ^2/NDF:497.8/22

\+ sign -3.795+/-0.484 χ^2/NDF: 1188.6/55

All: -4.030+/-0.339 χ^2/NDF: 2390.9/113

\- sign -4.259+/-0.476 χ^2/NDF: 1201.8/57

reg_asym_usl_atl2_dd_diff_bpm4eX_slope vs Slug



Right In: -172.556+/-0.677 χ^2/NDF: 4315.6/31

Left Out: -183.175+/-0.862 χ^2/NDF:3361.2/23

Right Out: -174.223+/-0.614 χ^2/NDF: 10050.6/34

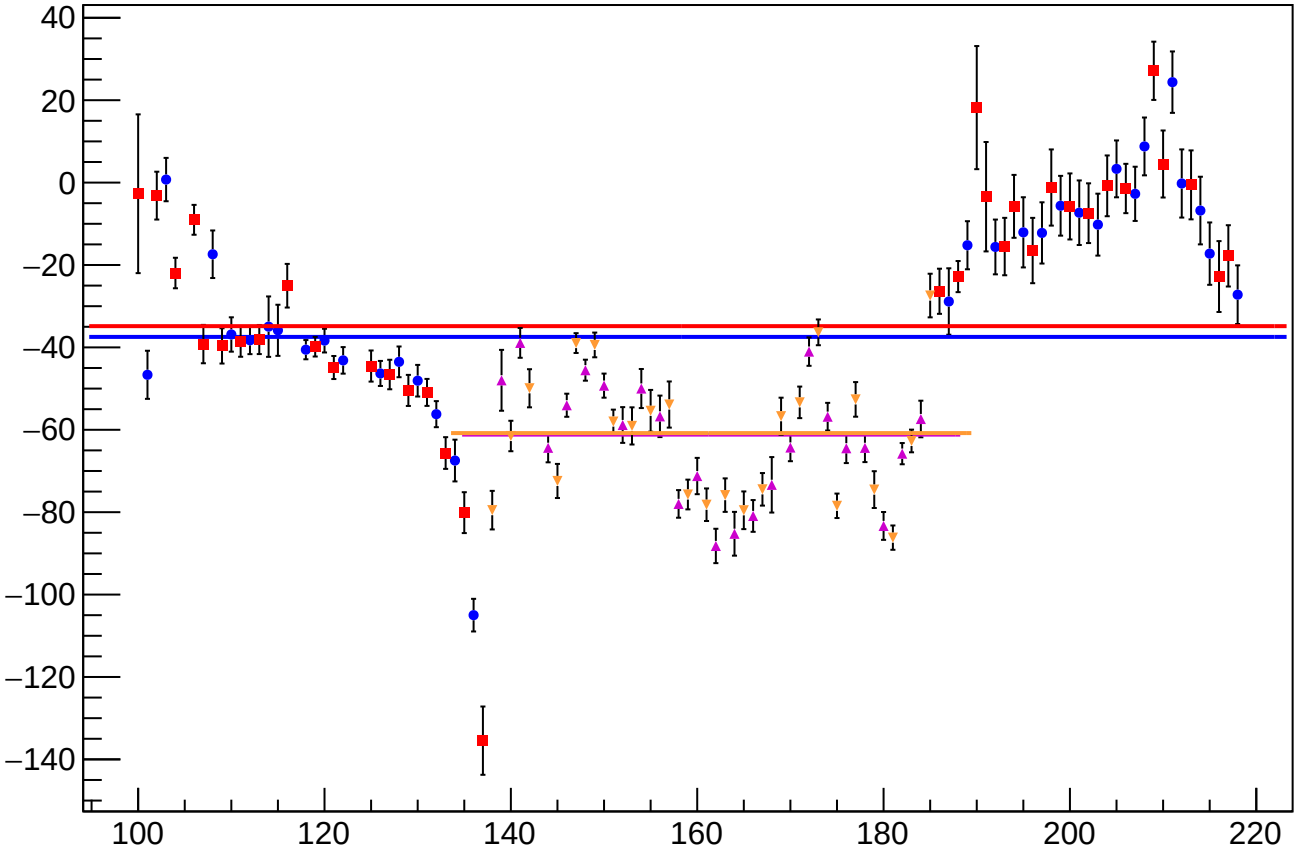
Left In: -185.936+/-0.867 χ^2/NDF:3181.6/22

+ sign -176.608+/-0.533 χ^2/NDF: 7770.5/55

All: -177.417+/-0.365 χ^2/NDF: 21128.7/113

- sign -178.132+/-0.501 χ^2/NDF: 13353.8/57

reg_asym_usl_atl2_dd_diff_bpm4eY_slope vs Slug



Right In: -37.455+/-0.834 χ^2/NDF: 764.6/31

Left Out: -60.801+/-0.749 χ^2/NDF:474.0/23

Right Out: -34.844+/-0.803 χ^2/NDF: 749.0/34

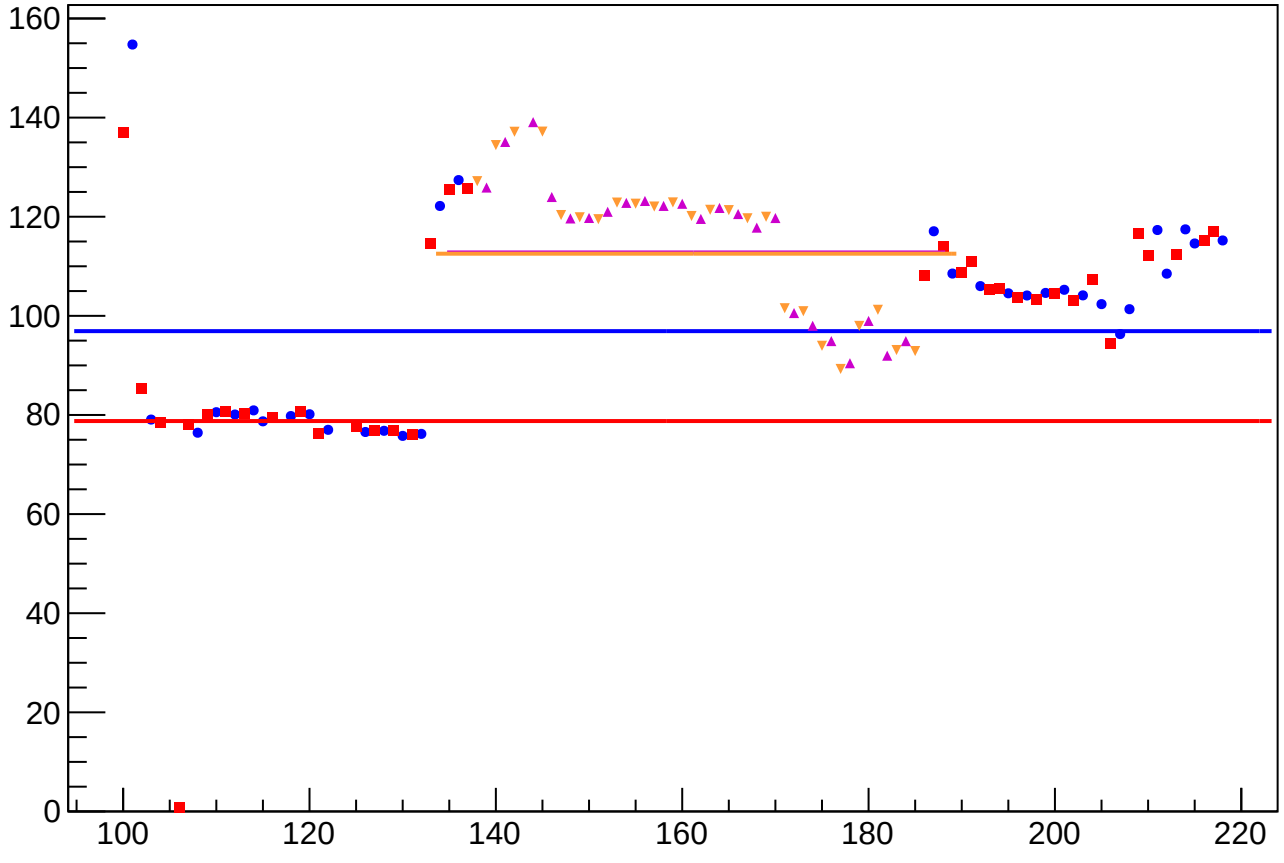
Left In: -61.172+/-0.757 χ^2/NDF:316.9/22

+ sign -50.375+/-0.557 χ^2/NDF: 1672.6/55

All: -49.573+/-0.392 χ^2/NDF: 3311.8/113

- sign -48.789+/-0.551 χ^2/NDF: 1635.1/57

reg_asym_usl_atl2_dd_diff_bpm12X_slope vs Slug



Right In: 96.915+/-0.045 χ^2/NDF: 194335.4/31

Left Out: 112.539+/-0.035 χ^2/NDF:174512.4/23

Right Out: 78.773+/-0.040 χ^2/NDF: 926133.7/34

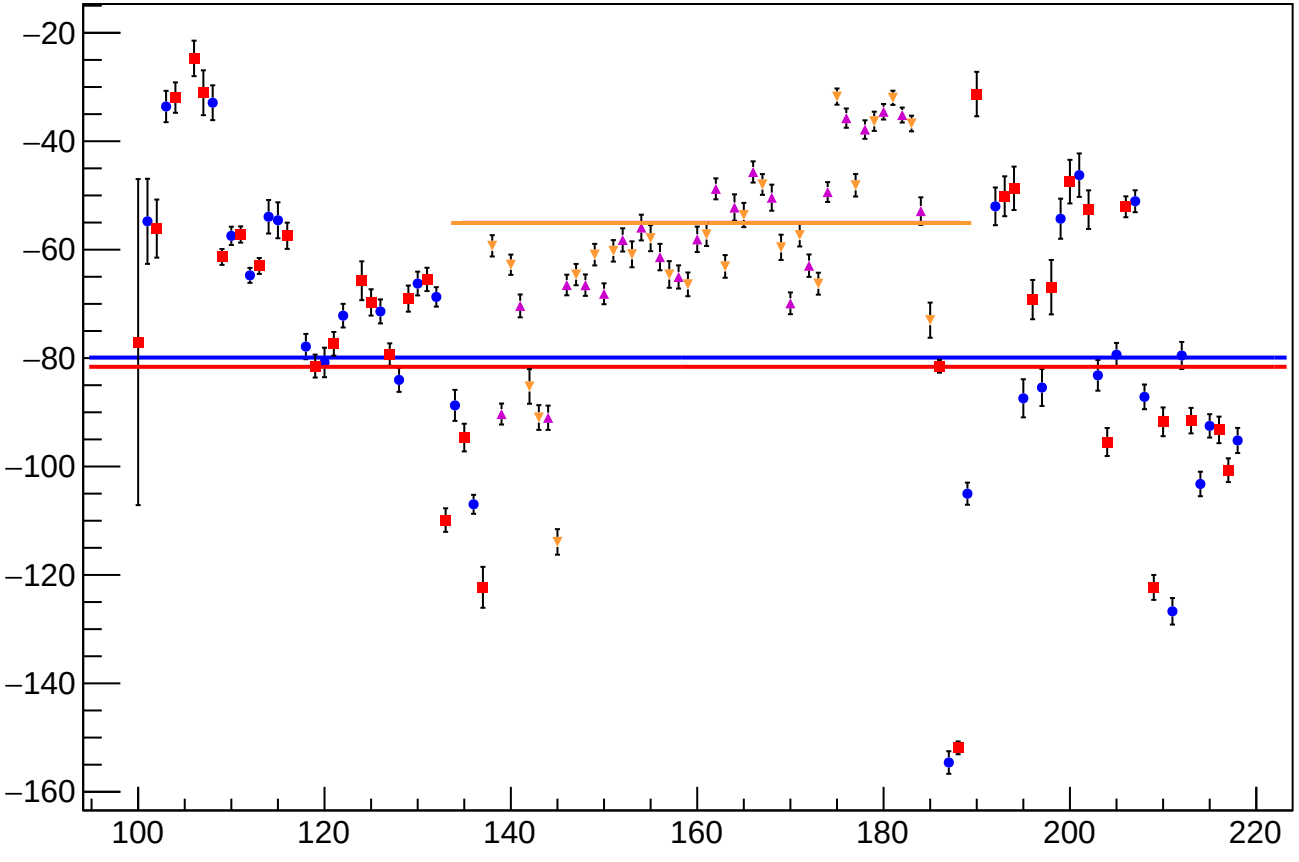
Left In: 112.795+/-0.034 χ^2/NDF:171662.8/22

+ sign 106.752+/-0.027 χ^2/NDF: 444452.7/55

All: 102.289+/-0.019 χ^2/NDF: 2009519.2/113

- sign 98.264+/-0.026 χ^2/NDF: 1514768.3/57

reg_asym_usr_atr1_avg_diff_bpm1X_slope vs Slug



Right In: -79.901+/-0.416 χ^2/NDF: 3660.1/31

Left Out: -55.077+/-0.401 χ^2/NDF:2002.8/24

Right Out: -81.608+/-0.384 χ^2/NDF: 6655.8/34

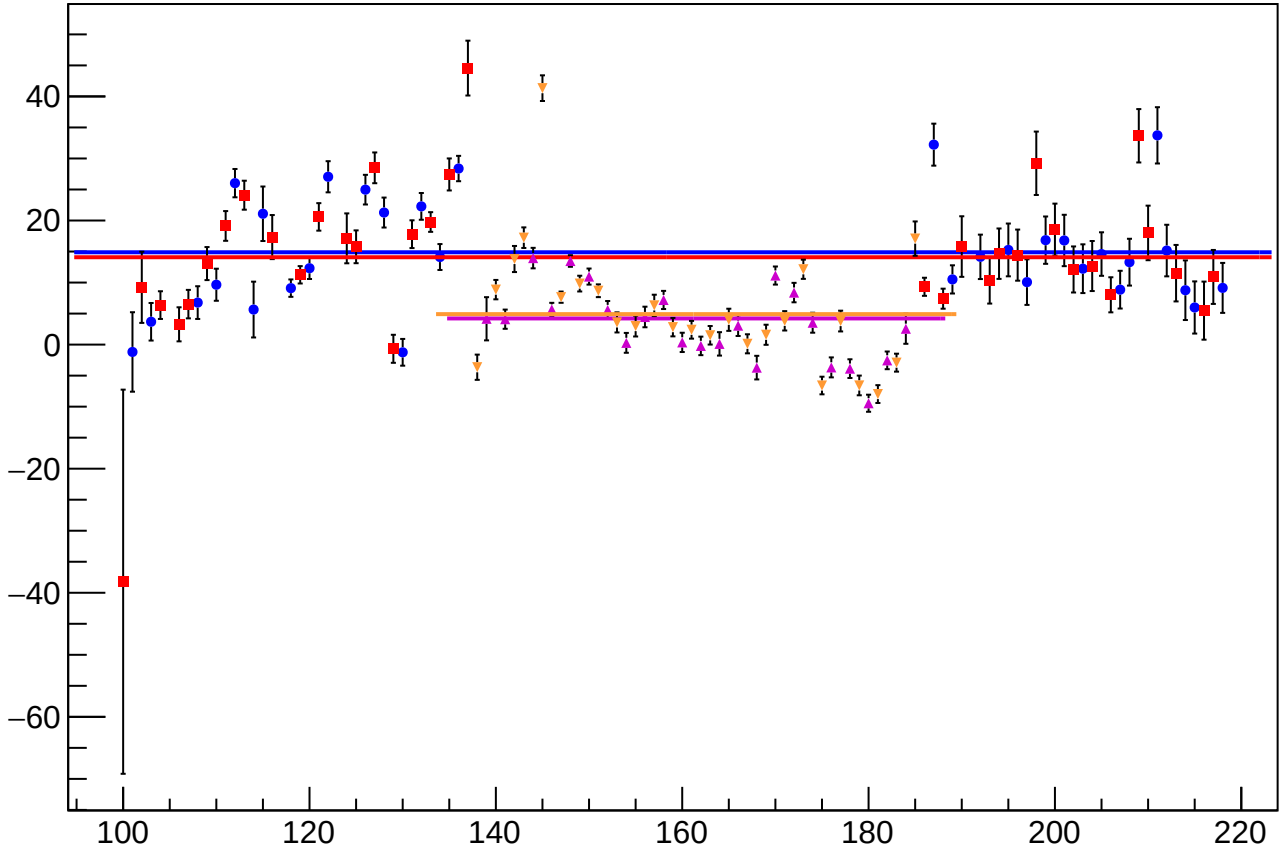
Left In: -55.050+/-0.410 χ^2/NDF:1541.8/22

+ sign -67.010+/-0.289 χ^2/NDF: 7509.3/56

All: -68.150+/-0.201 χ^2/NDF: 17971.7/114

- sign -69.225+/-0.280 χ^2/NDF: 10432.1/57

reg_asym_usr_atr1_avg_diff_bpm4aY_slope vs Slug



Right In: 14.881+/-0.490 χ^2/NDF: 304.8/31

Left Out: 4.910+/-0.301 χ^2/NDF:741.5/24

Right Out: 14.081+/-0.452 χ^2/NDF: 315.3/34

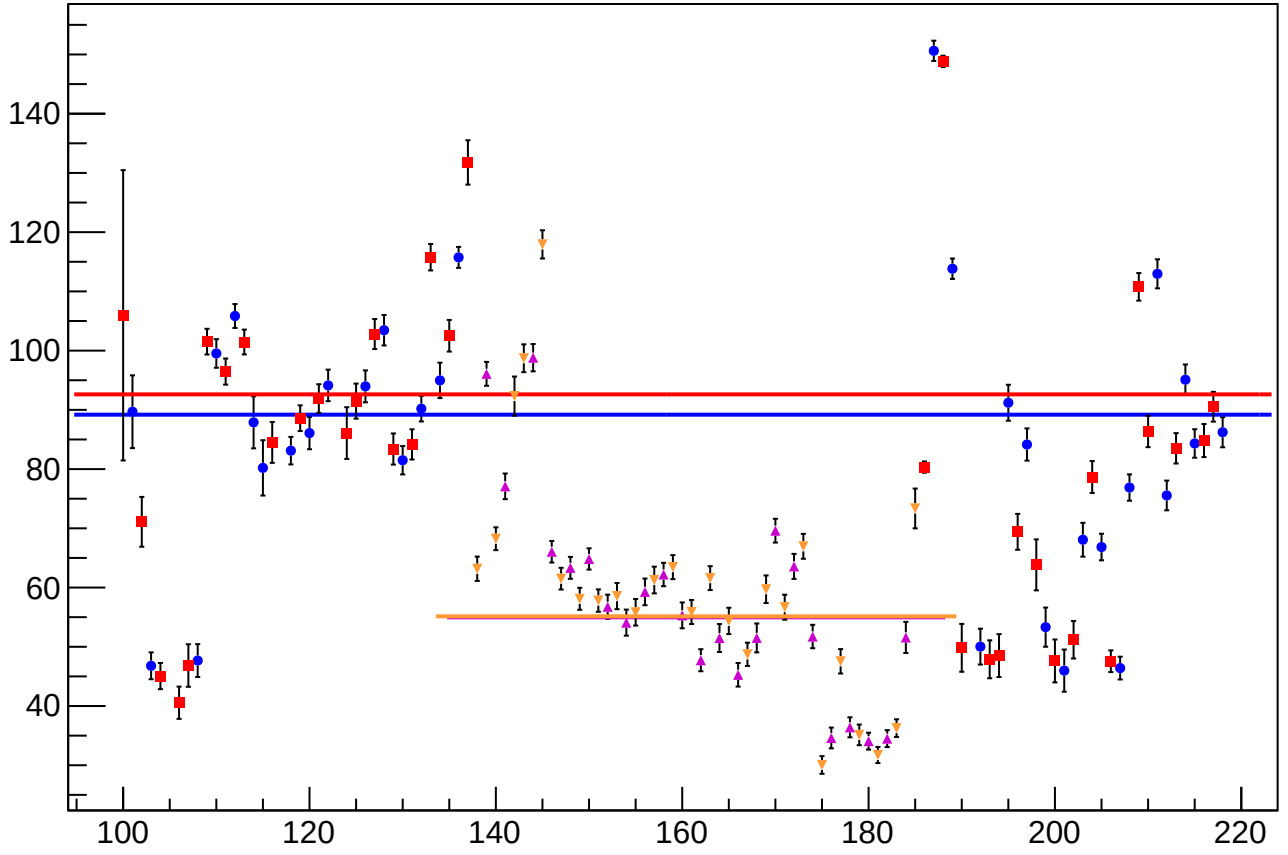
Left In: 4.215+/-0.312 χ^2/NDF:415.1/22

\+ sign 7.650+/-0.257 χ^2/NDF: 1347.0/56

All: 7.529+/-0.182 χ^2/NDF: 2400.7/114

\- sign 7.408+/-0.257 χ^2/NDF: 1053.2/57

reg_asym_usr_atr1_avg_diff_bpm4eX_slope vs Slug



Right In: 89.188+/-0.437 χ^2/NDF: 3694.2/31

Left Out: 55.142+/-0.397 χ^2/NDF:2242.4/24

Right Out: 92.614+/-0.388 χ^2/NDF: 6620.4/34

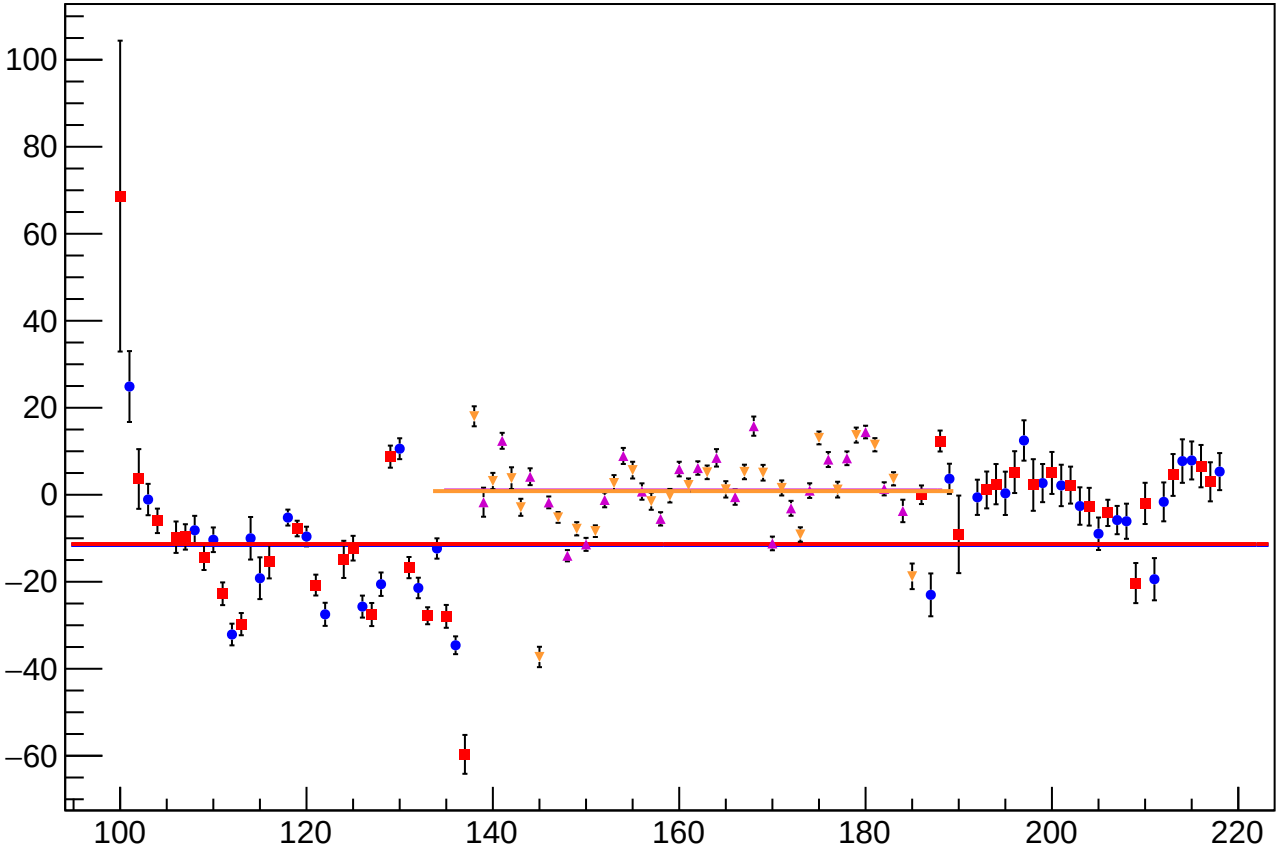
Left In: 54.972+/-0.406 χ^2/NDF:1780.5/22

+ sign 70.532+/-0.294 χ^2/NDF: 9262.7/56

All: 72.664+/-0.203 χ^2/NDF: 22257.1/114

- sign 74.606+/-0.281 χ^2/NDF: 12893.8/57

reg_asym_usr_atr1_avg_diff_bpm4eY_slope vs Slug



Right In: -11.543+/-0.564 χ^2/NDF: 572.0/31

Left Out: 0.840+/-0.343 χ^2/NDF:717.2/24

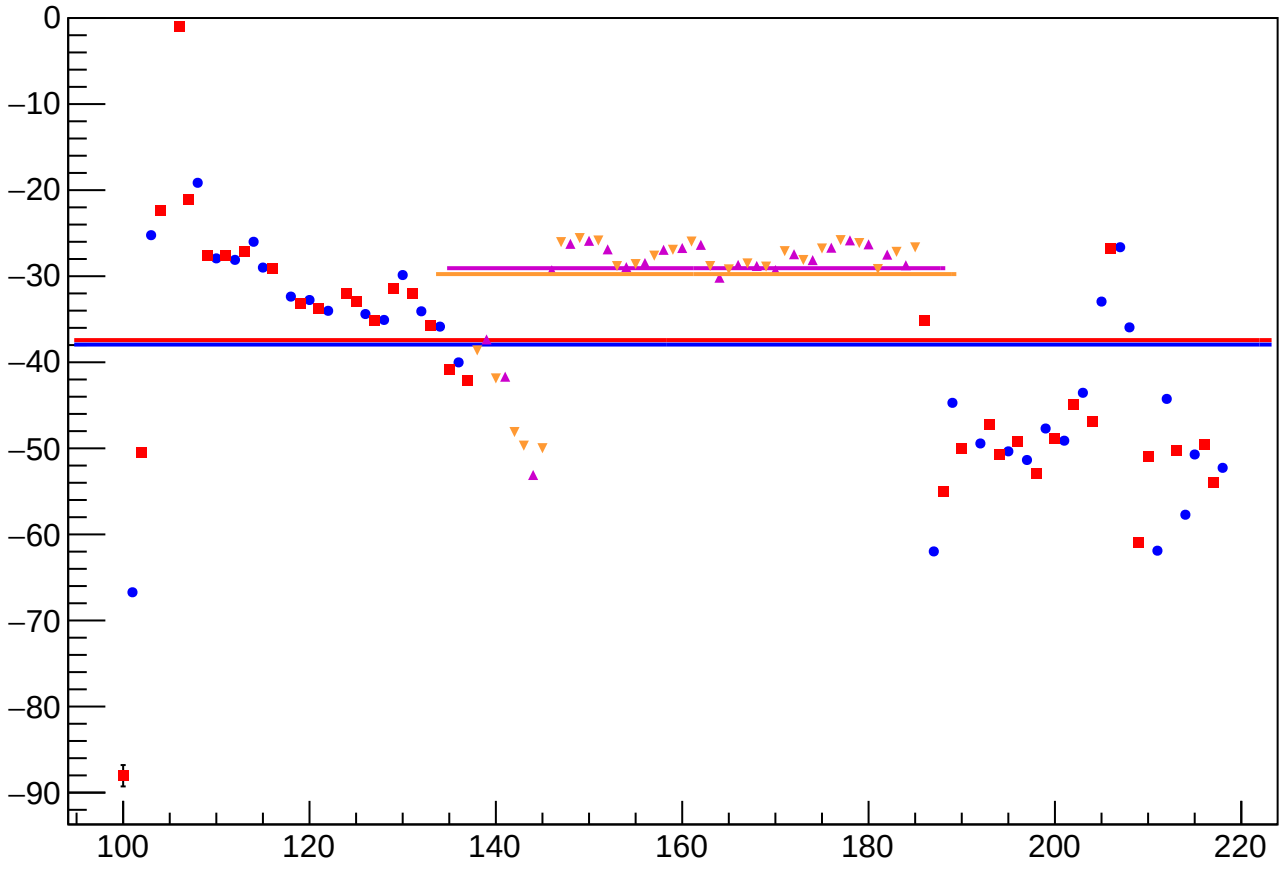
Right Out: -11.323+/-0.536 χ^2/NDF: 673.4/34

Left In: 0.980+/-0.353 χ^2/NDF:558.5/22

\+ sign -2.505+/-0.293 χ^2/NDF: 1641.6/56

All: -2.625+/-0.208 χ^2/NDF: 3241.0/114

\- sign -2.746+/-0.295 χ^2/NDF: 1599.1/57



Right In: -37.940+/-0.028 χ^2/NDF: 144830.0/31

Left Out: -29.754+/-0.016 χ^2/NDF:163552.5/24

Right Out: -37.423+/-0.028 χ^2/NDF: 238750.8/34

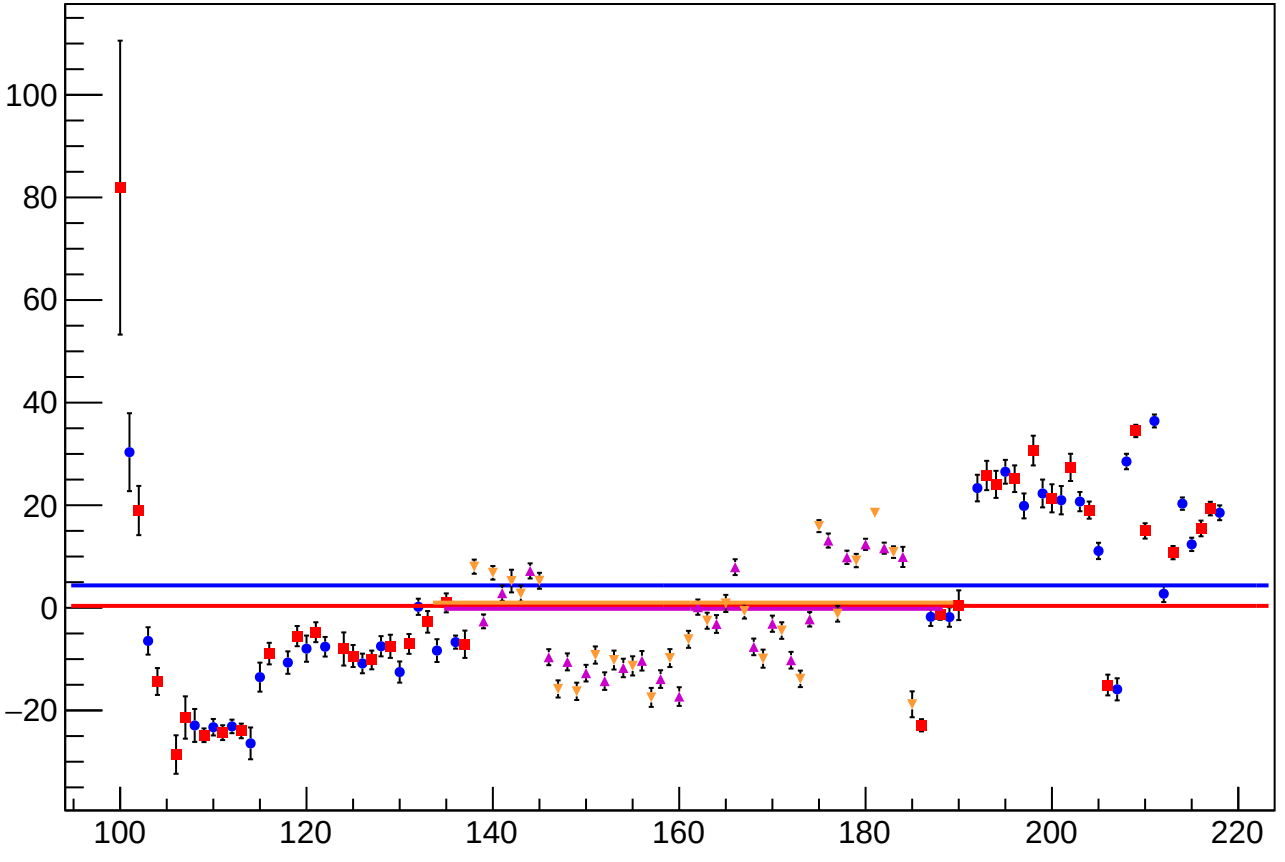
Left In: -29.067+/-0.016 χ^2/NDF:101545.6/22

+ sign -31.677+/-0.014 χ^2/NDF: 373316.4/56

All: -31.397+/-0.010 χ^2/NDF: 782969.4/114

- sign -31.112+/-0.014 χ^2/NDF: 408798.8/57

reg_asym_usr_atr1_dd_diff_bpm1X_slope vs Slug



Right In: 4.370+/-0.324 χ^2/NDF: 3036.3/31

Left Out: 1.015+/-0.305 χ^2/NDF:1335.1/24

Right Out: 0.379+/-0.312 χ^2/NDF: 3567.7/34

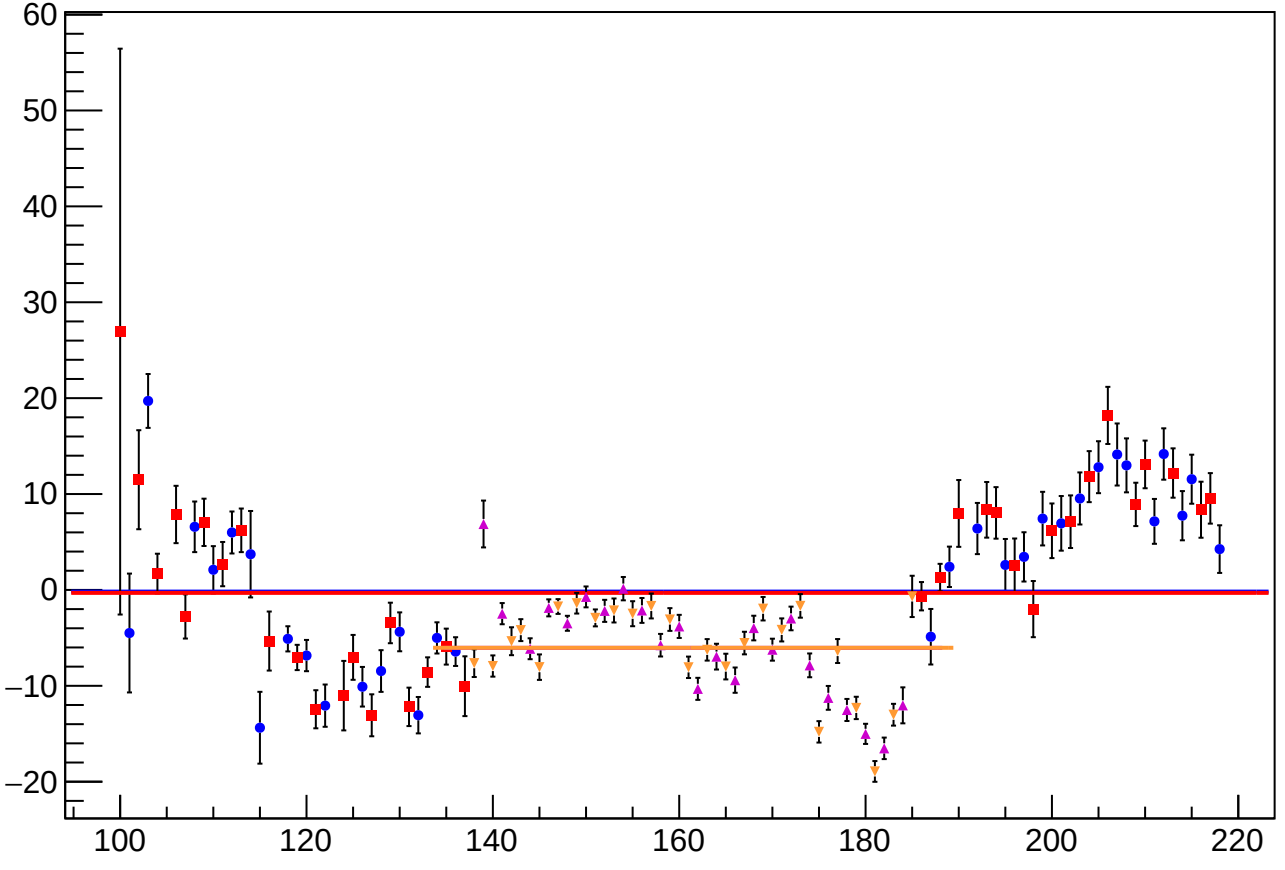
Left In: -0.192+/-0.315 χ^2/NDF:982.8/22

+ sign 2.589+/-0.222 χ^2/NDF: 4428.2/56

All: 1.340+/-0.157 χ^2/NDF: 9043.6/114

- sign 0.096+/-0.222 χ^2/NDF: 4552.1/57

reg_asym_usr_atr1_dd_diff_bpm4aY_slope vs Slug



Right In: -0.175+/-0.407 χ^2/NDF: 431.4/31

Left Out: -6.035+/-0.233 χ^2/NDF:414.9/24

Right Out: -0.307+/-0.389 χ^2/NDF: 427.3/34

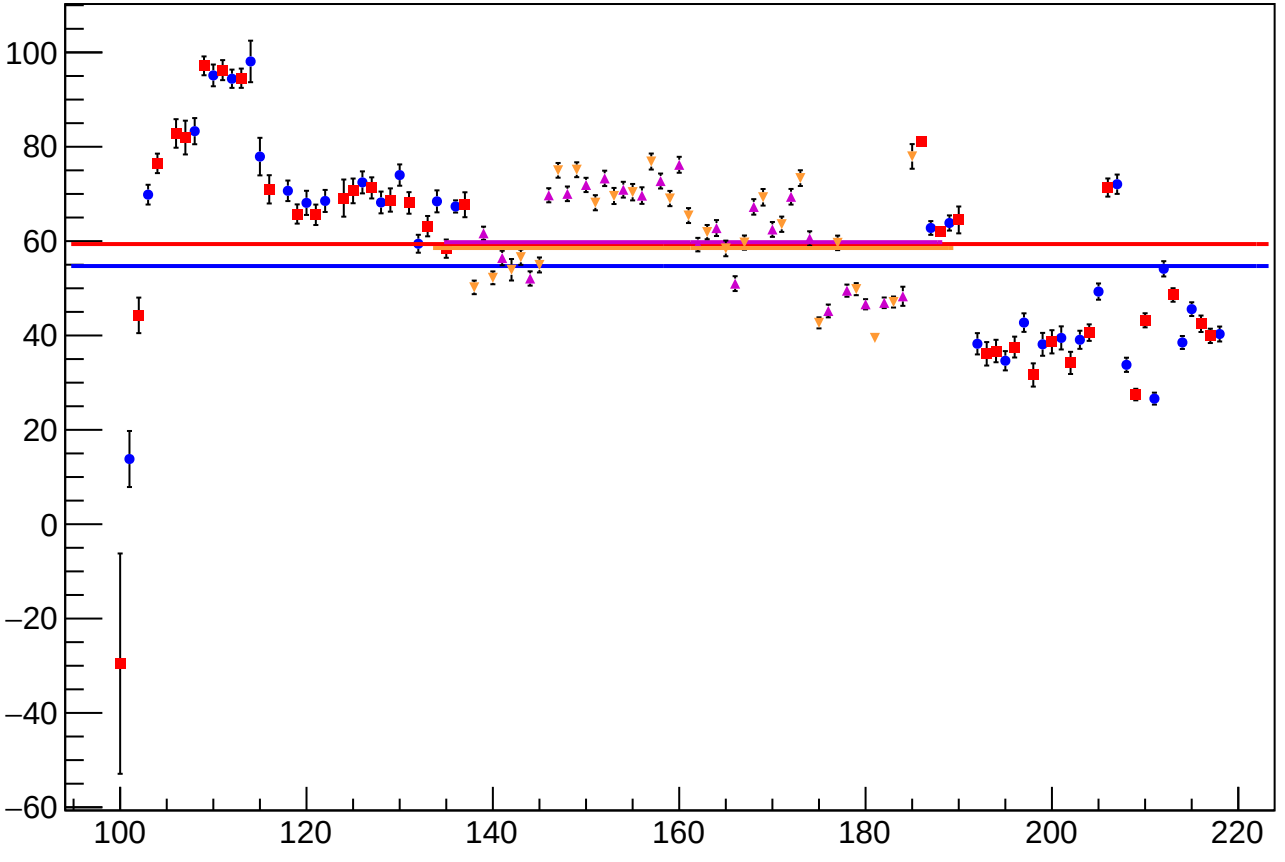
Left In: -6.043+/-0.243 χ^2/NDF:396.2/22

+ sign -4.584+/-0.202 χ^2/NDF: 1002.7/56

All: -4.511+/-0.144 χ^2/NDF: 1983.0/114

- sign -4.435+/-0.206 χ^2/NDF: 980.1/57

reg_asym_usr_atr1_dd_diff_bpm4eX_slope vs Slug



Right In: 54.718+/-0.339 χ^2/NDF: 2912.5/31

Left Out: 58.535+/-0.303 χ^2/NDF:1449.2/24

Right Out: 59.377+/-0.318 χ^2/NDF: 3665.9/34

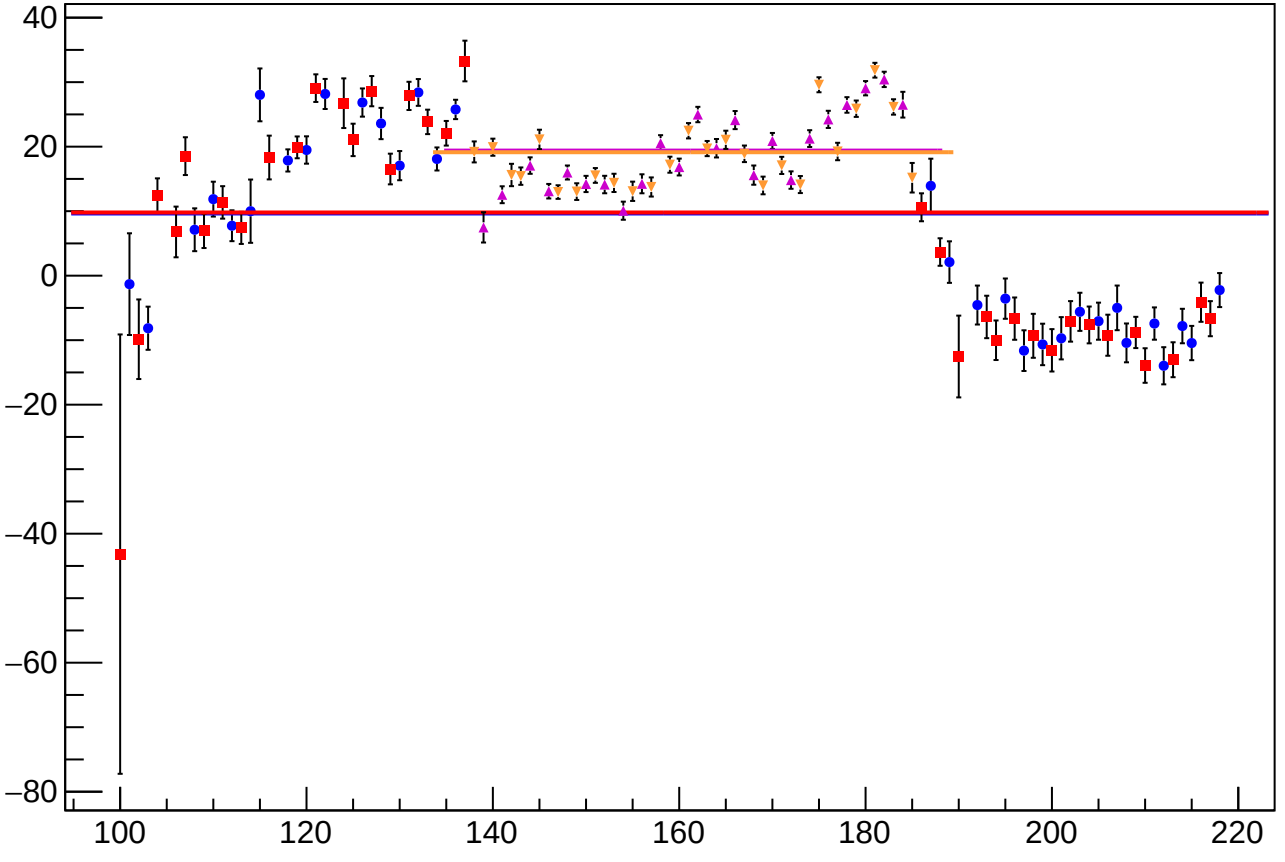
Left In: 59.777+/-0.312 χ^2/NDF:1070.5/22

+ sign 56.839+/-0.226 χ^2/NDF: 4432.2/56

All: 58.230+/-0.159 χ^2/NDF: 9244.2/114

- sign 59.581+/-0.223 χ^2/NDF: 4737.2/57

reg_asym_usr_atr1_dd_diff_bpm4eY_slope vs Slug



Right In: 9.641+/-0.461 χ^2/NDF: 1008.4/31

Left Out: 19.138+/-0.264 χ^2/NDF:433.7/24

Right Out: 9.795+/-0.454 χ^2/NDF: 1034.3/34

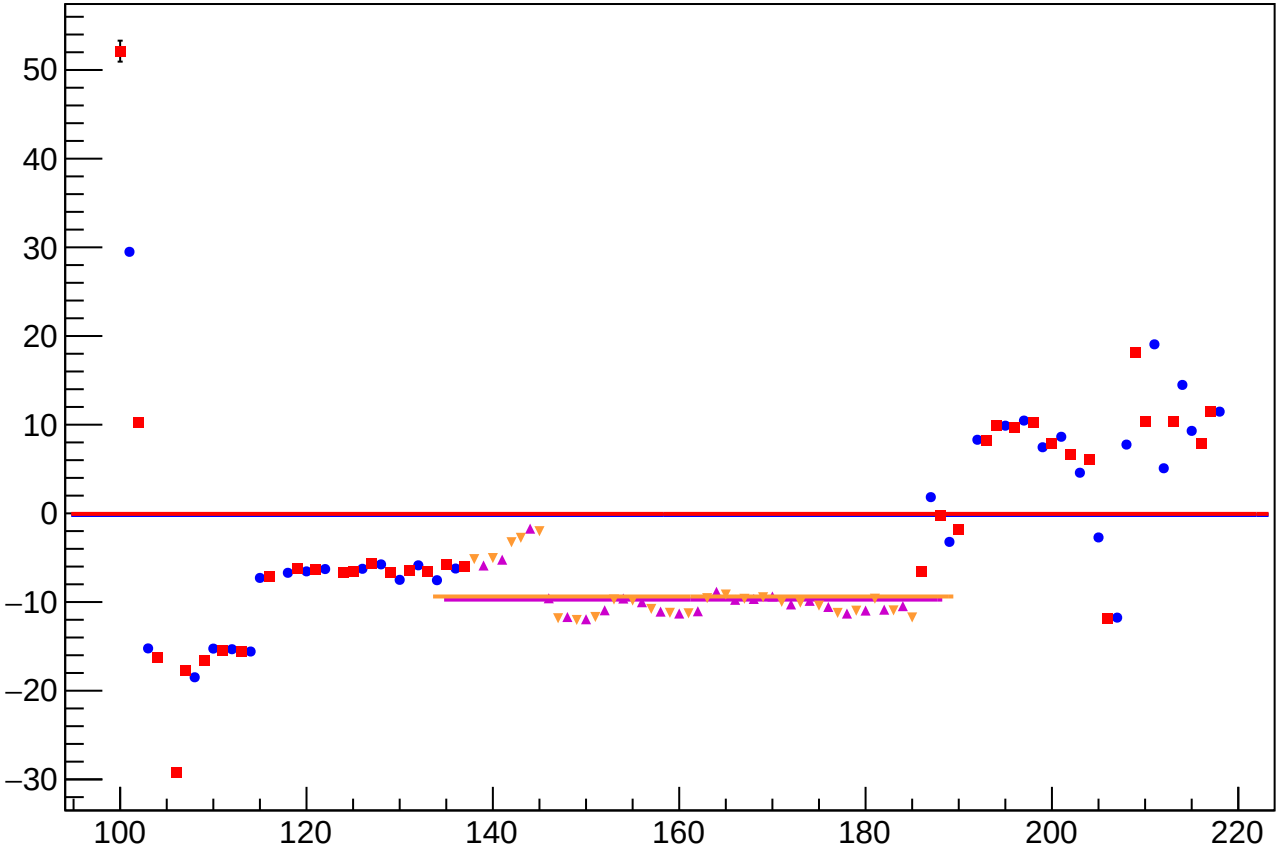
Left In: 19.390+/-0.274 χ^2/NDF:467.7/22

+ sign 16.791+/-0.229 χ^2/NDF: 1761.9/56

All: 16.810+/-0.164 χ^2/NDF: 3592.0/114

- sign 16.831+/-0.234 χ^2/NDF: 1830.1/57

reg_asym_usr_atr1_dd_diff_bpm12X_slope vs Slug



Right In: -0.183+/-0.022 χ^2/NDF: 217492.2/31

Left Out: -9.375+/-0.012 χ^2/NDF:49934.3/24

Right Out: -0.059+/-0.022 χ^2/NDF: 246198.6/34

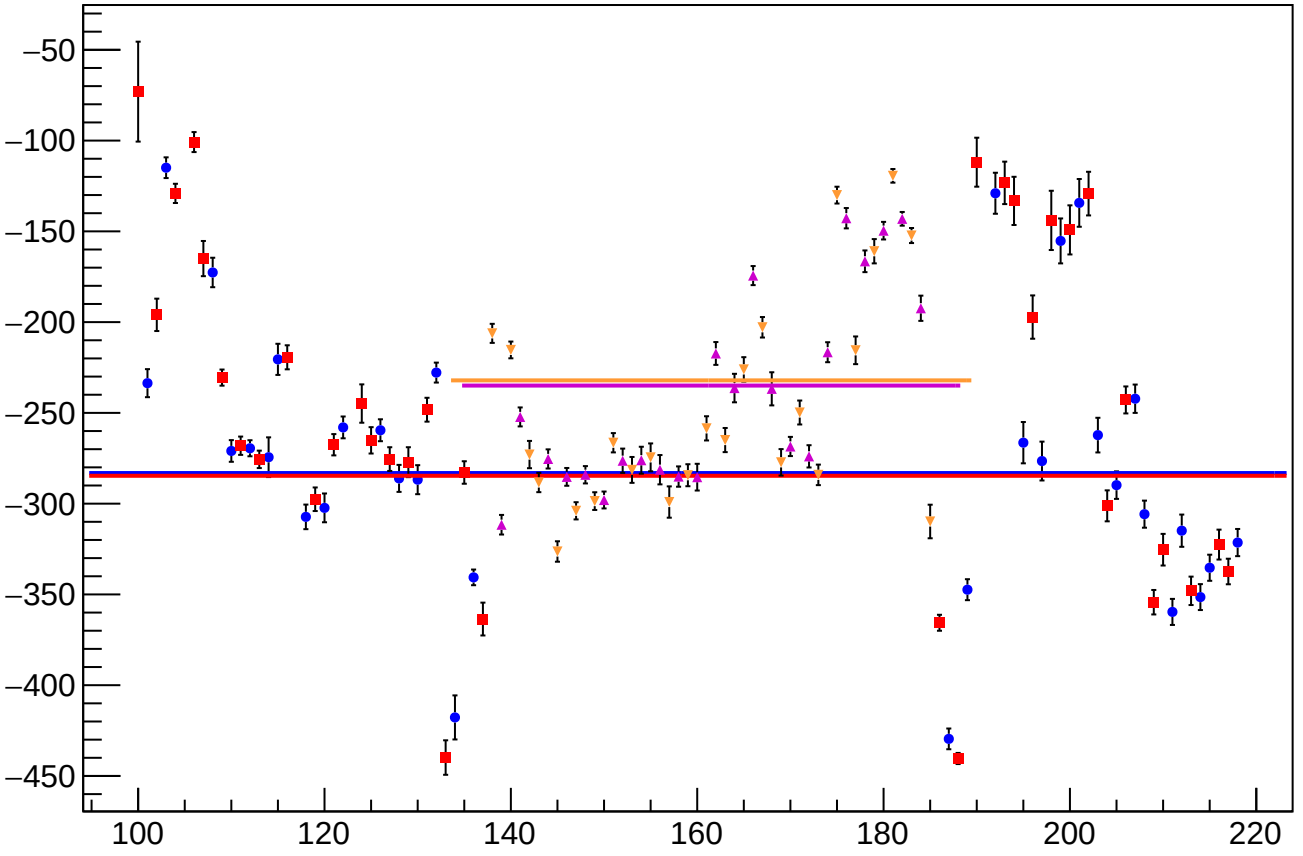
Left In: -9.726+/-0.012 χ^2/NDF:31951.7/22

+ sign -7.296+/-0.010 χ^2/NDF: 402778.1/56

All: -7.395+/-0.007 χ^2/NDF: 827972.4/114

- sign -7.497+/-0.011 χ^2/NDF: 425011.7/57

reg_asym_usr_atr2_avg_diff_bpm1X_slope vs Slug



Right In: -283.142+/-1.257 χ^2/NDF: 3159.8/31

Left Out: -232.091+/-1.143 χ^2/NDF:3269.9/24

Right Out: -284.646+/-1.148 χ^2/NDF: 7062.5/34

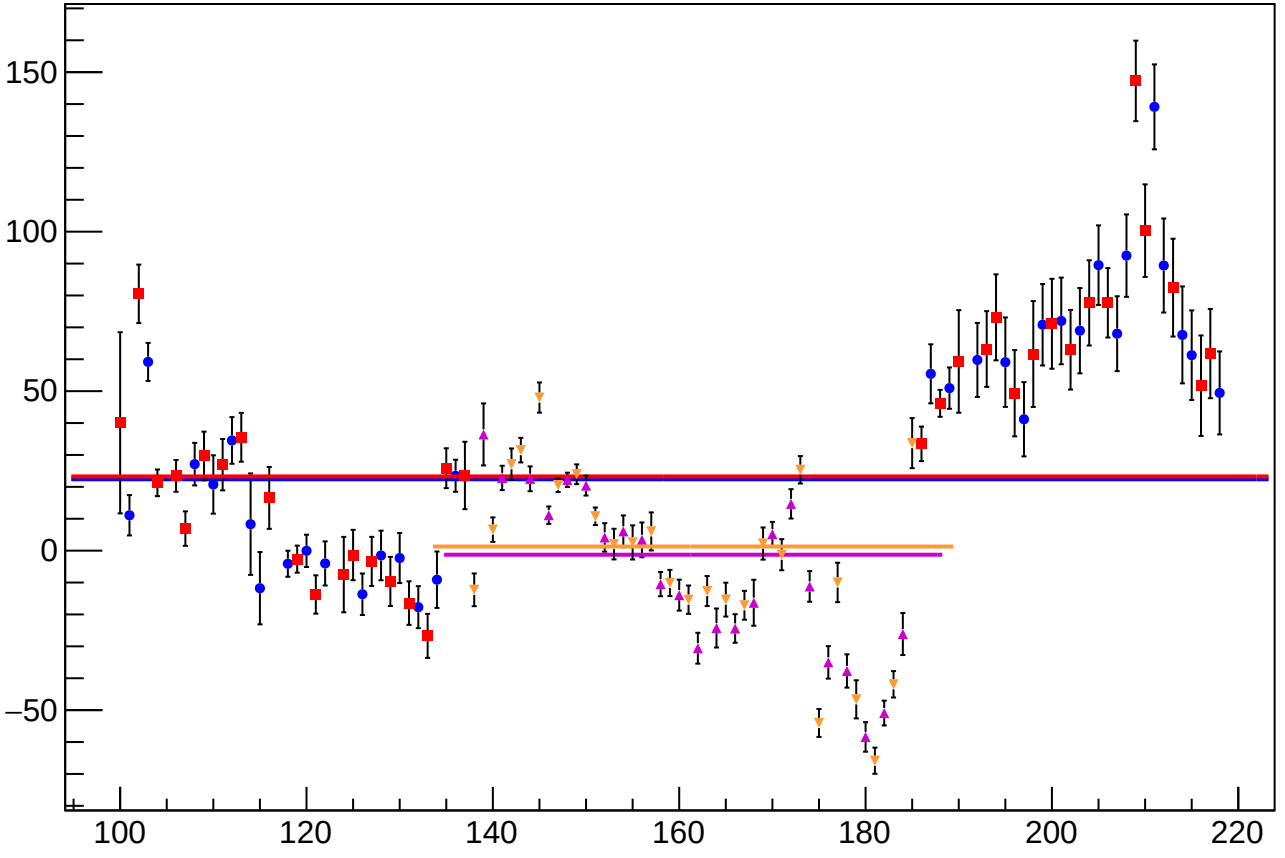
Left In: -234.951+/-1.176 χ^2/NDF:2470.2/22

+ sign -255.198+/-0.846 χ^2/NDF: 7332.7/56

All: -257.870+/-0.589 χ^2/NDF: 17799.4/114

- sign -260.392+/-0.821 χ^2/NDF: 10447.3/57

reg_asym_usr_atr2_avg_diff_bpm4aY_slope vs Slug



Right In: 22.374+/-1.432 χ^2/NDF: 514.7/31

Left Out: 1.295+/-0.837 χ^2/NDF:1049.5/24

Right Out: 23.269+/-1.304 χ^2/NDF: 547.0/34

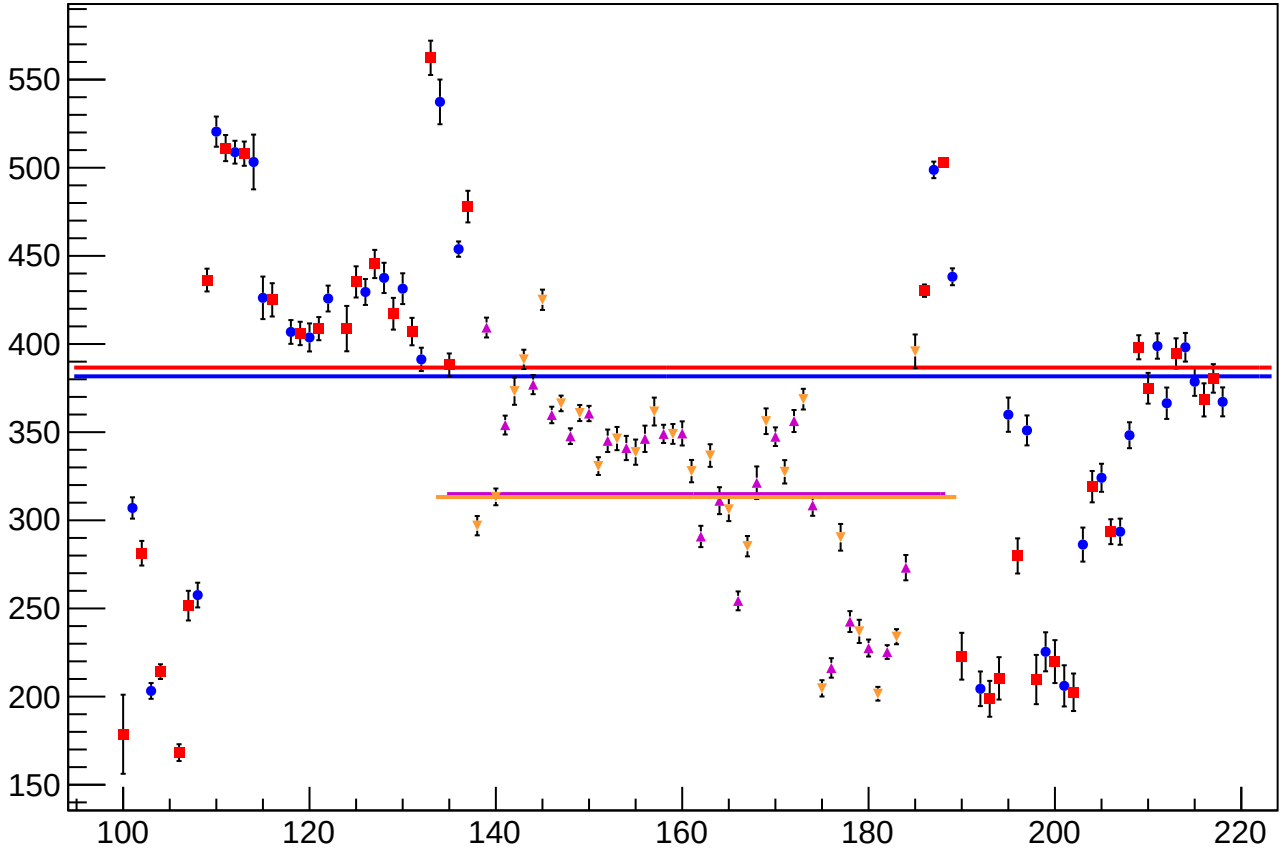
Left In: -1.280+/-0.869 χ^2/NDF:811.2/22

\+ sign 6.662+/-0.722 χ^2/NDF: 1725.7/56

All: 6.465+/-0.511 χ^2/NDF: 3329.6/114

\- sign 6.268+/-0.723 χ^2/NDF: 1603.7/57

reg_asym_usr_atr2_avg_diff_bpm4eX_slope vs Slug



Right In: 381.673+/-1.281 χ^2/NDF: 5237.0/31

Left Out: 313.197+/-1.134 χ^2/NDF:3135.7/24

Right Out: 386.645+/-1.135 χ^2/NDF: 9705.7/34

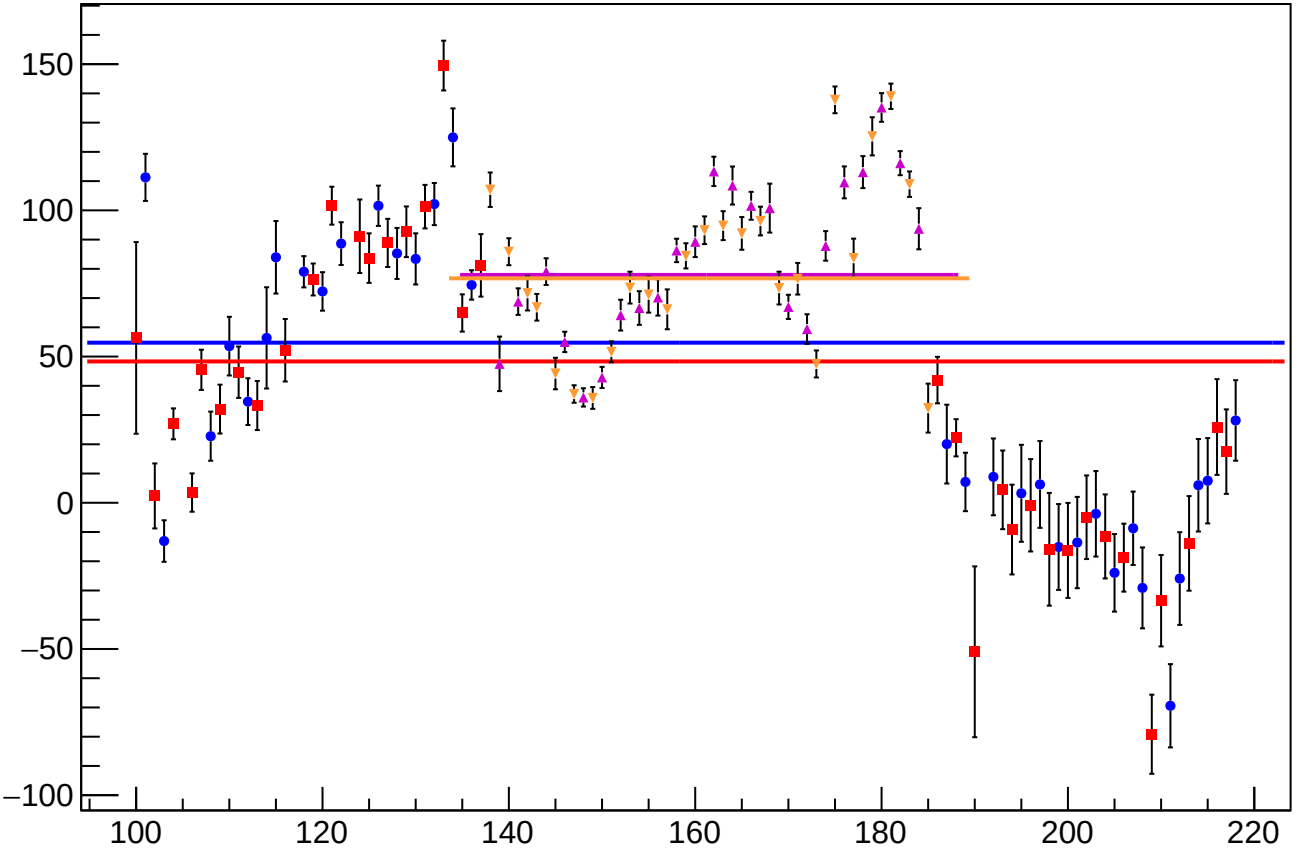
Left In: 314.864+/-1.161 χ^2/NDF:2429.0/22

+ sign 343.276+/-0.849 χ^2/NDF: 9974.5/56

All: 347.611+/-0.587 χ^2/NDF: 24112.8/114

- sign 351.574+/-0.812 χ^2/NDF: 14088.4/57

reg_asym_usr_atr2_avg_diff_bpm4eY_slope vs Slug



Right In: 54.751+/-1.664 χ^2/NDF: 737.2/31

Left Out: 76.758+/-0.967 χ^2/NDF:1035.3/24

Right Out: 48.333+/-1.559 χ^2/NDF: 761.5/34

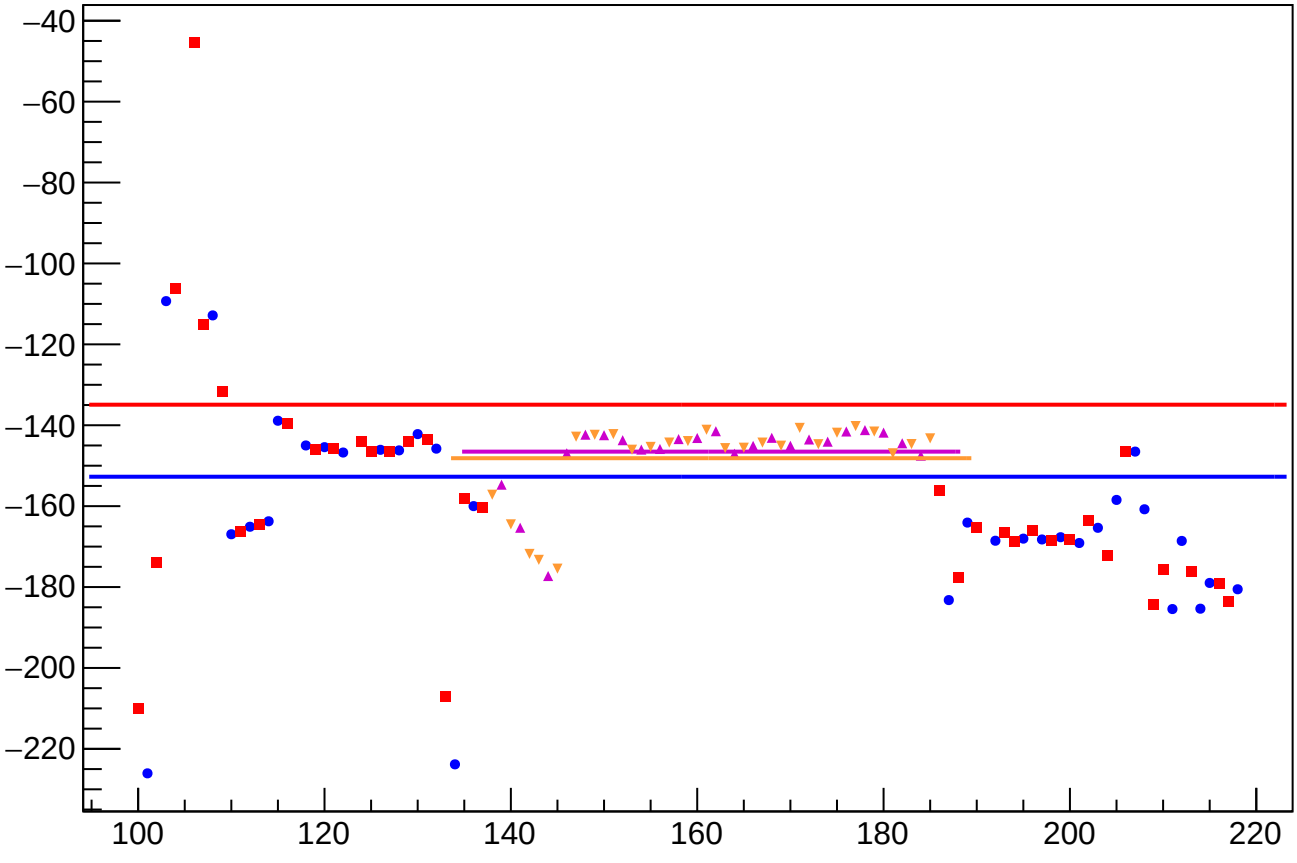
Left In: 77.923+/-0.997 χ^2/NDF:783.8/22

+ sign 71.207+/-0.836 χ^2/NDF: 1903.3/56

All: 70.276+/-0.592 χ^2/NDF: 3706.8/114

- sign 69.337+/-0.840 χ^2/NDF: 1801.0/57

reg_asym_usr_atr2_avg_diff_bpm12X_slope vs Slug



Right In: -152.725+/-0.080 χ^2/NDF: 153706.1/31

Left Out: -148.148+/-0.045 χ^2/NDF:48910.2/24

Right Out: -134.919+/-0.074 χ^2/NDF: 366577.2/34

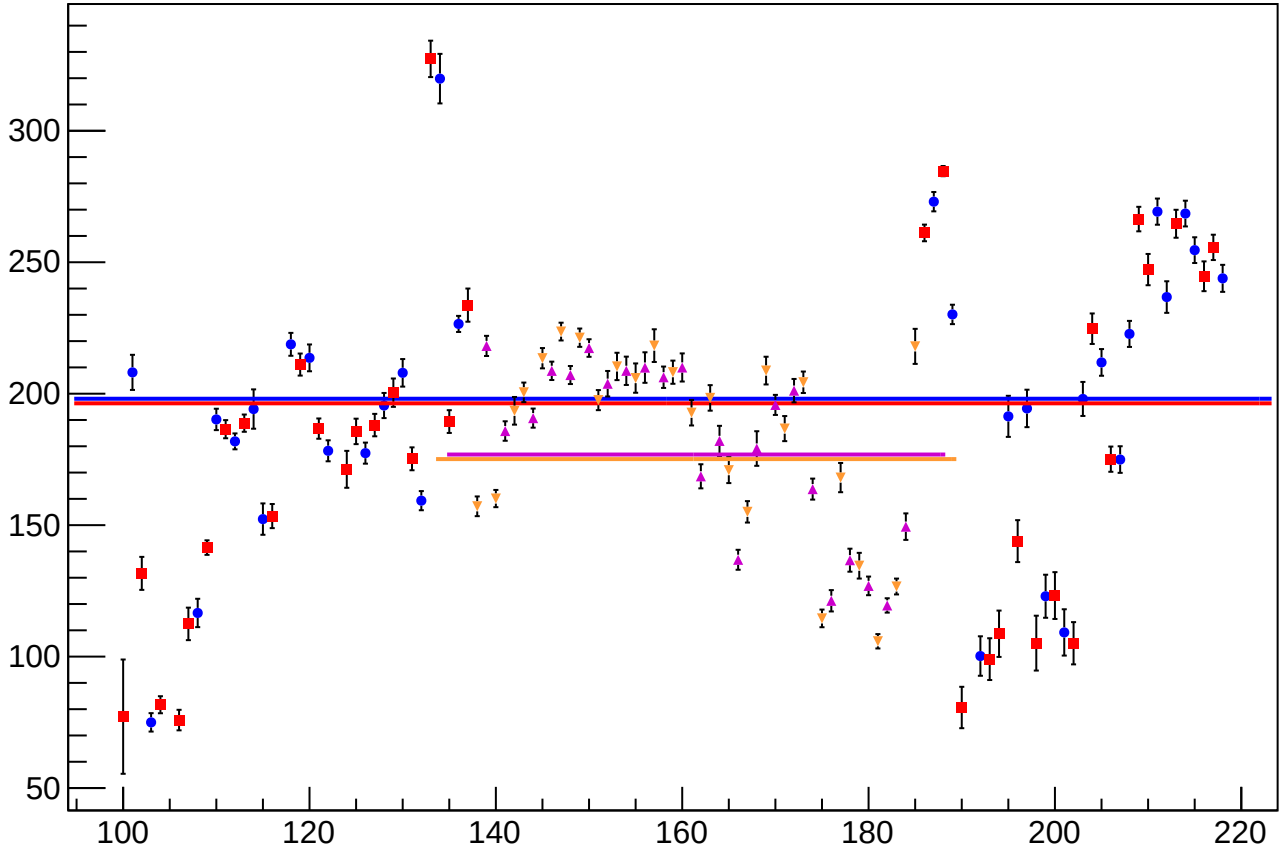
Left In: -146.523+/-0.046 χ^2/NDF:29172.3/22

+ sign -149.251+/-0.039 χ^2/NDF: 205099.1/56

All: -146.250+/-0.028 χ^2/NDF: 630257.5/114

- sign -143.326+/-0.039 χ^2/NDF: 413631.0/57

reg_asym_usr_atr2_dd_diff_bpm1X_slope vs Slug



Right In: 198.081+/-0.844 χ^2/NDF: 3578.0/31

Left Out: 175.126+/-0.822 χ^2/NDF:2295.2/24

Right Out: 196.337+/-0.762 χ^2/NDF: 7494.1/34

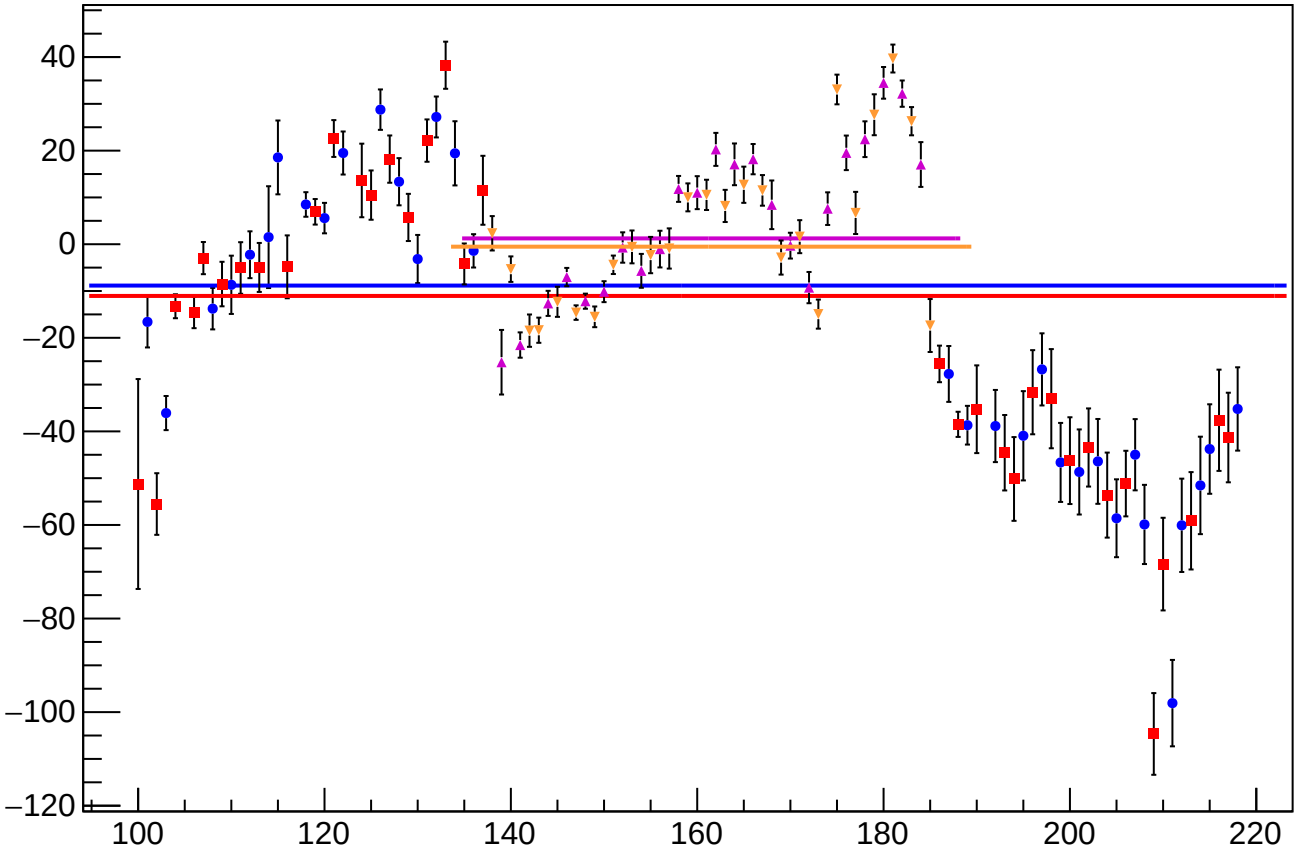
Left In: 176.862+/-0.847 χ^2/NDF:1756.1/22

+ sign 186.303+/-0.589 χ^2/NDF: 6252.9/56

All: 186.987+/-0.408 χ^2/NDF: 15797.7/114

- sign 187.619+/-0.567 χ^2/NDF: 9542.2/57

reg_asym_usr_atr2_dd_diff_bpm4aY_slope vs Slug



Right In: -8.838+/-0.958 χ^2/NDF: 764.2/31

Left Out: -0.523+/-0.601 χ^2/NDF:724.5/24

Right Out: -11.052+/-0.860 χ^2/NDF: 849.7/34

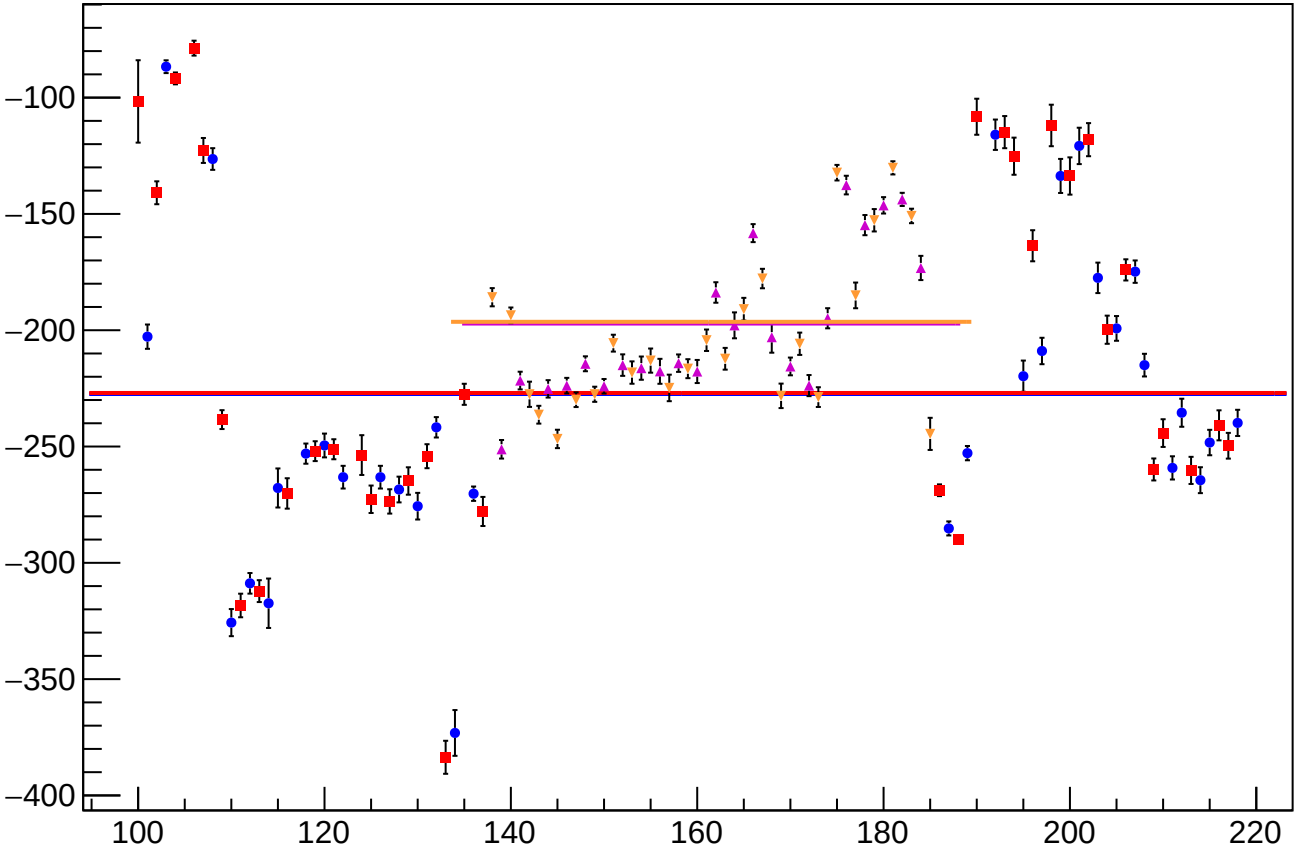
Left In: 1.244+/-0.625 χ^2/NDF:620.6/22

+ sign -2.869+/-0.509 χ^2/NDF: 1542.7/56

All: -2.939+/-0.359 χ^2/NDF: 3146.7/114

- sign -3.008+/-0.506 χ^2/NDF: 1603.9/57

reg_asym_usr_atr2_dd_diff_bpm4eX_slope vs Slug



Right In: -227.417+/-0.857 χ^2/NDF: 5946.9/31

Left Out: -196.380+/-0.816 χ^2/NDF:1997.7/24

Right Out: -226.975+/-0.750 χ^2/NDF: 10673.5/34

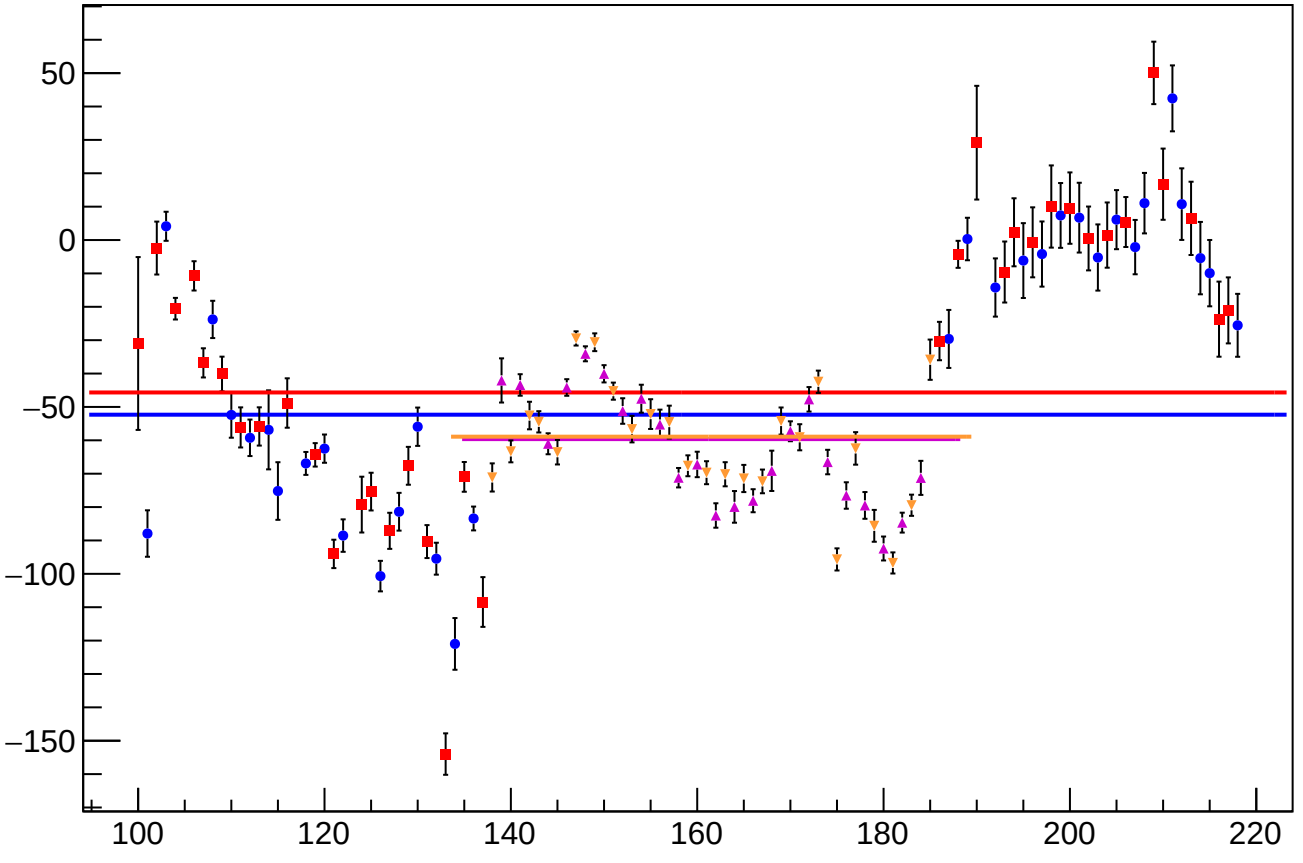
Left In: -197.128+/-0.837 χ^2/NDF:1601.5/22

+ sign -211.127+/-0.591 χ^2/NDF: 8632.4/56

All: -212.471+/-0.406 χ^2/NDF: 21622.3/114

- sign -213.671+/-0.559 χ^2/NDF: 12980.2/57

reg_asym_usr_atr2_dd_diff_bpm4eY_slope vs Slug



Right In: -52.325+/-1.118 χ^2/NDF: 1213.1/31

Left Out: -58.910+/-0.695 χ^2/NDF:782.5/24

Right Out: -45.665+/-1.031 χ^2/NDF: 1429.0/34

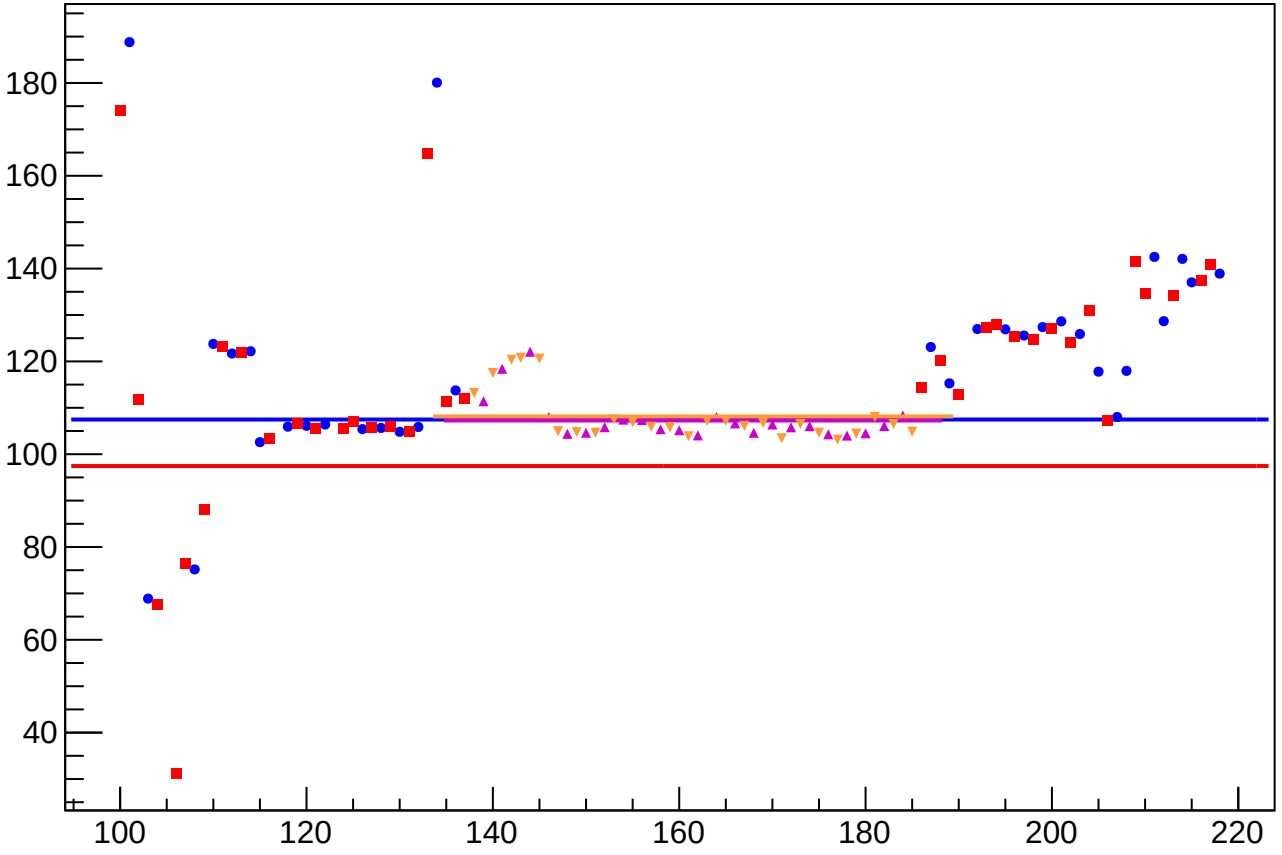
Left In: -59.637+/-0.718 χ^2/NDF:597.0/22

+ sign -57.074+/-0.590 χ^2/NDF: 2020.6/56

All: -56.073+/-0.417 χ^2/NDF: 4176.0/114

- sign -55.074+/-0.589 χ^2/NDF: 2149.6/57

reg_asym_usr_atr2_dd_diff_bpm12X_slope vs Slug



Right In: 107.475+/-0.053 χ^2/NDF: 292198.1/31

Left Out: 108.136+/-0.032 χ^2/NDF:26420.1/24

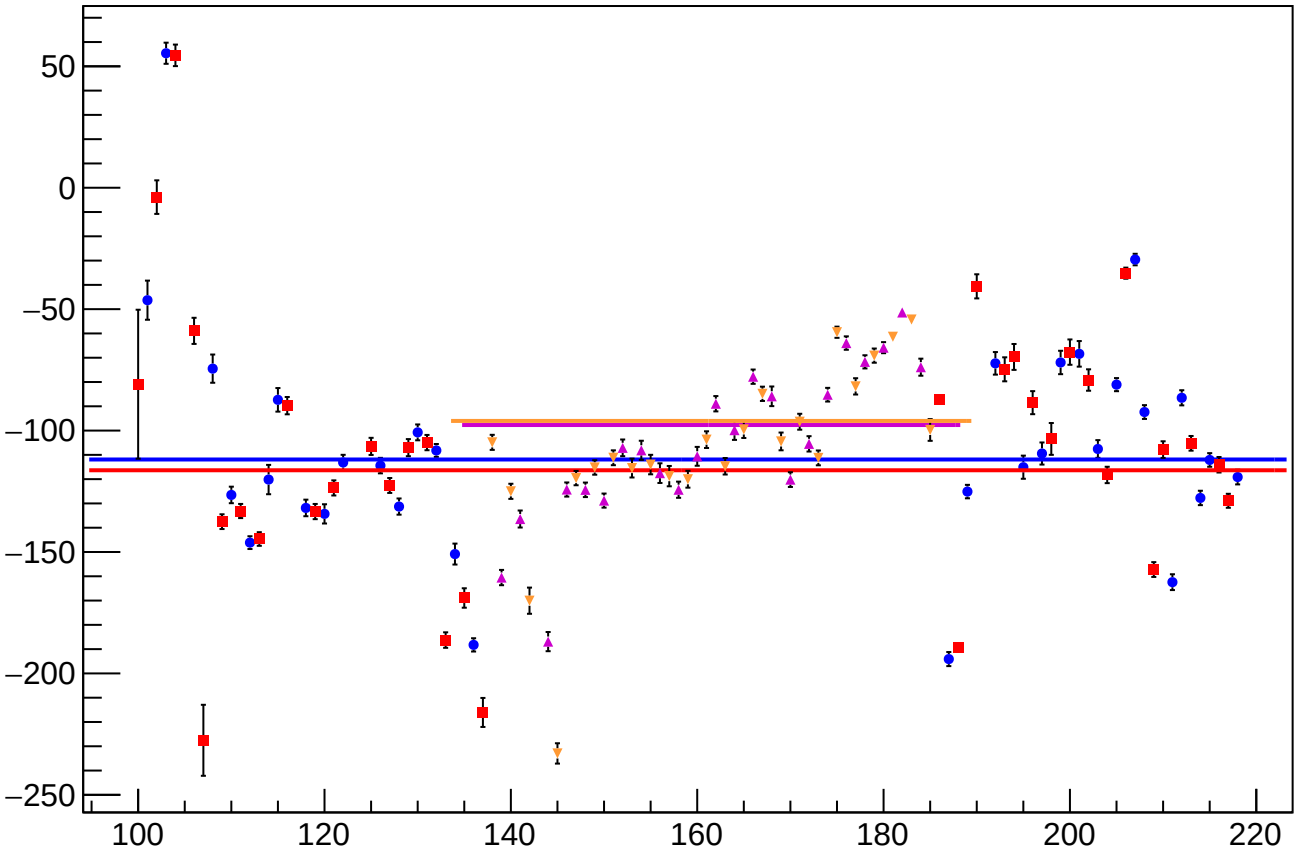
Right Out: 97.450+/-0.050 χ^2/NDF: 418386.6/34

Left In: 107.266+/-0.033 χ^2/NDF:16879.3/22

+ sign 107.958+/-0.028 χ^2/NDF: 318729.8/56

All: 106.105+/-0.020 χ^2/NDF: 789864.9/114

- sign 104.295+/-0.027 χ^2/NDF: 462315.2/57



Right In: -111.906+/-0.599 χ^2/NDF: 5537.4/31

Left Out: -96.026+/-0.635 χ^2/NDF:2770.9/23

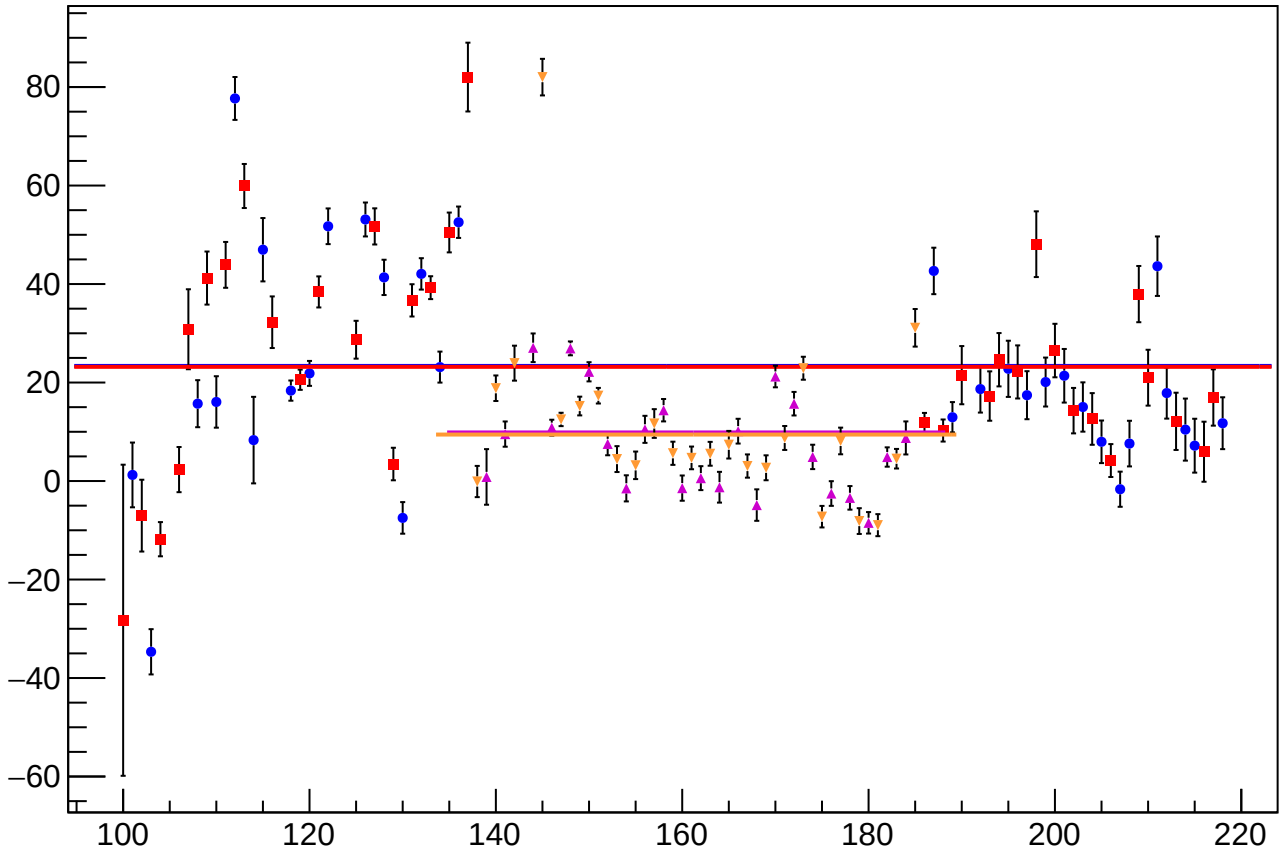
Right Out: -116.342+/-0.566 χ^2/NDF: 7535.9/33

Left In: -97.713+/-0.639 χ^2/NDF:2640.9/22

+ sign -104.429+/-0.436 χ^2/NDF: 8639.4/55

All: -106.340+/-0.304 χ^2/NDF: 19330.3/112

- sign -108.146+/-0.424 χ^2/NDF: 10653.4/56



Right In: 23.372+/-0.709 χ^2/NDF: 863.1/31

Left Out: 9.438+/-0.478 χ^2/NDF:736.4/23

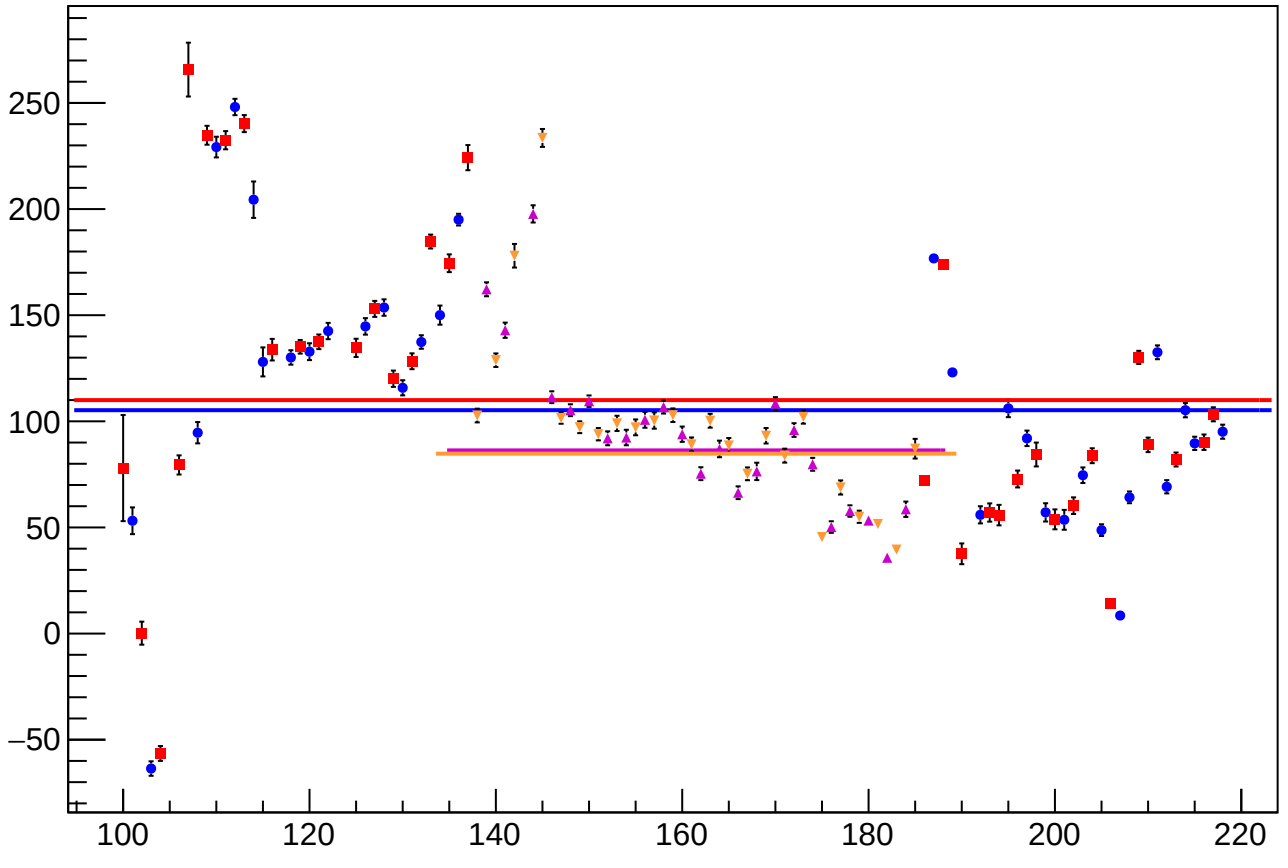
Right Out: 23.190+/-0.671 χ^2/NDF: 689.1/33

Left In: 9.864+/-0.487 χ^2/NDF:485.4/22

+ sign 13.789+/-0.396 χ^2/NDF: 1864.8/55

All: 14.124+/-0.279 χ^2/NDF: 3299.1/112

- sign 14.455+/-0.394 χ^2/NDF: 1432.9/56



Right In: 105.246+/-0.613 χ^2/NDF: 10552.9/31

Left Out: 84.759+/-0.629 χ^2/NDF:3110.5/23

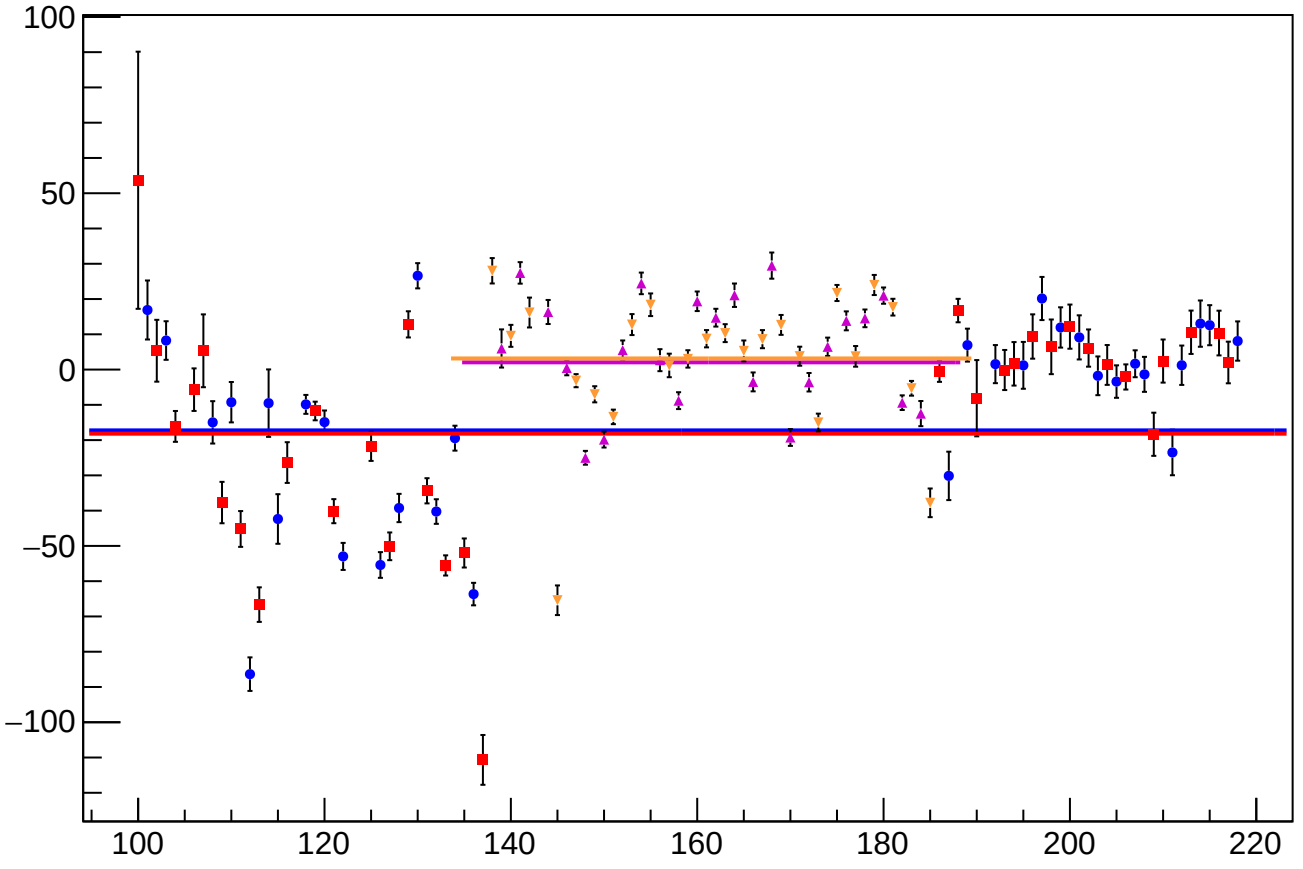
Right Out: 109.995+/-0.555 χ^2/NDF: 13292.9/33

Left In: 86.300+/-0.632 χ^2/NDF:3152.8/22

+ sign 95.270+/-0.439 χ^2/NDF: 14207.4/55

All: 97.586+/-0.302 χ^2/NDF: 31500.0/112

- sign 99.675+/-0.417 χ^2/NDF: 17239.6/56



Right In: -17.244+/-0.818 χ^2/NDF: 1170.1/31

Left Out: 3.151+/-0.544 χ^2/NDF:813.9/23

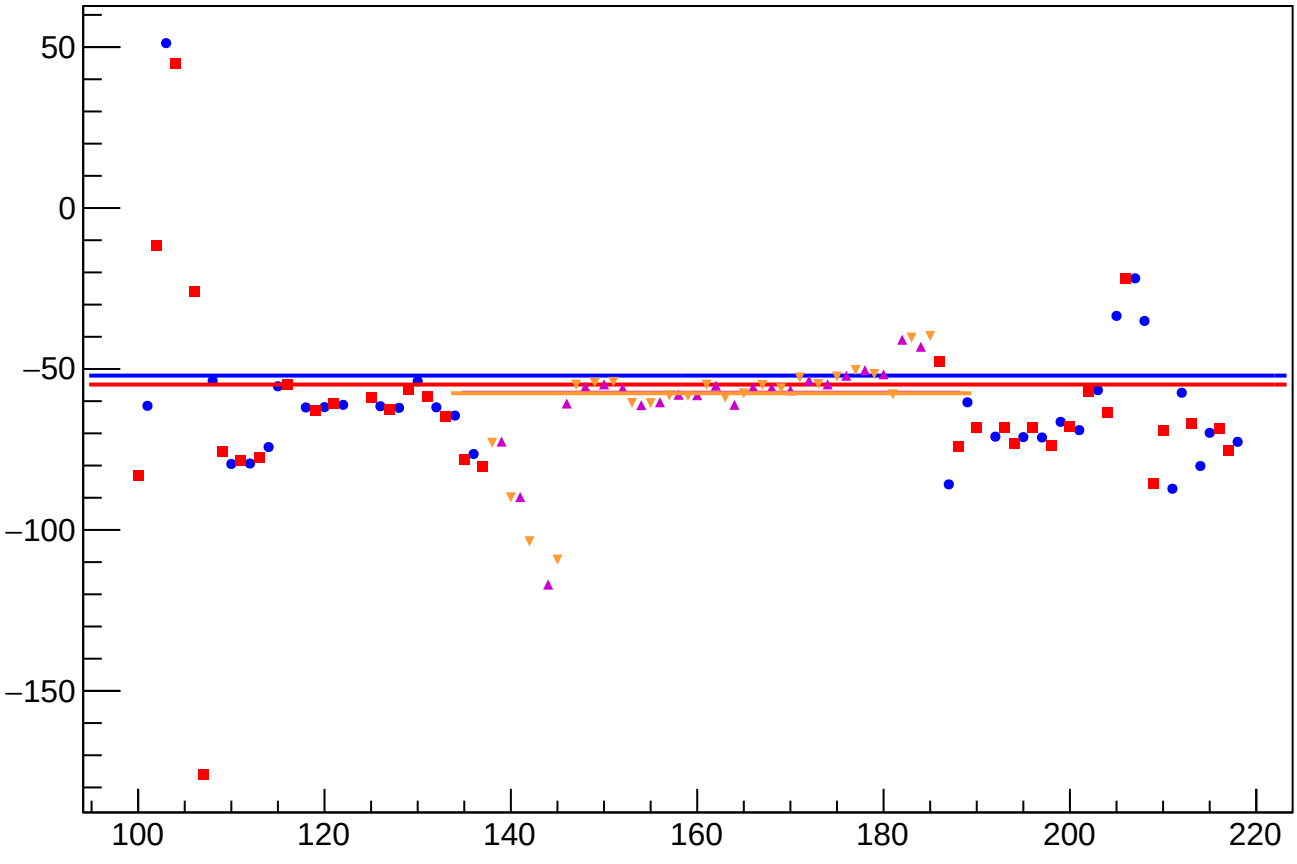
Right Out: -18.175+/-0.800 χ^2/NDF: 1112.1/33

Left In: 2.050+/-0.551 χ^2/NDF:850.8/22

\+ sign -3.104+/-0.453 χ^2/NDF: 2415.5/55

All: -3.779+/-0.320 χ^2/NDF: 4816.4/112

\- sign -4.458+/-0.454 χ^2/NDF: 2396.5/56



Right In: -52.053+/-0.040 χ^2/NDF: 733579.0/31

Left Out: -57.532+/-0.025 χ^2/NDF:267030.7/23

Right Out: -54.838+/-0.040 χ^2/NDF: 641865.4/33

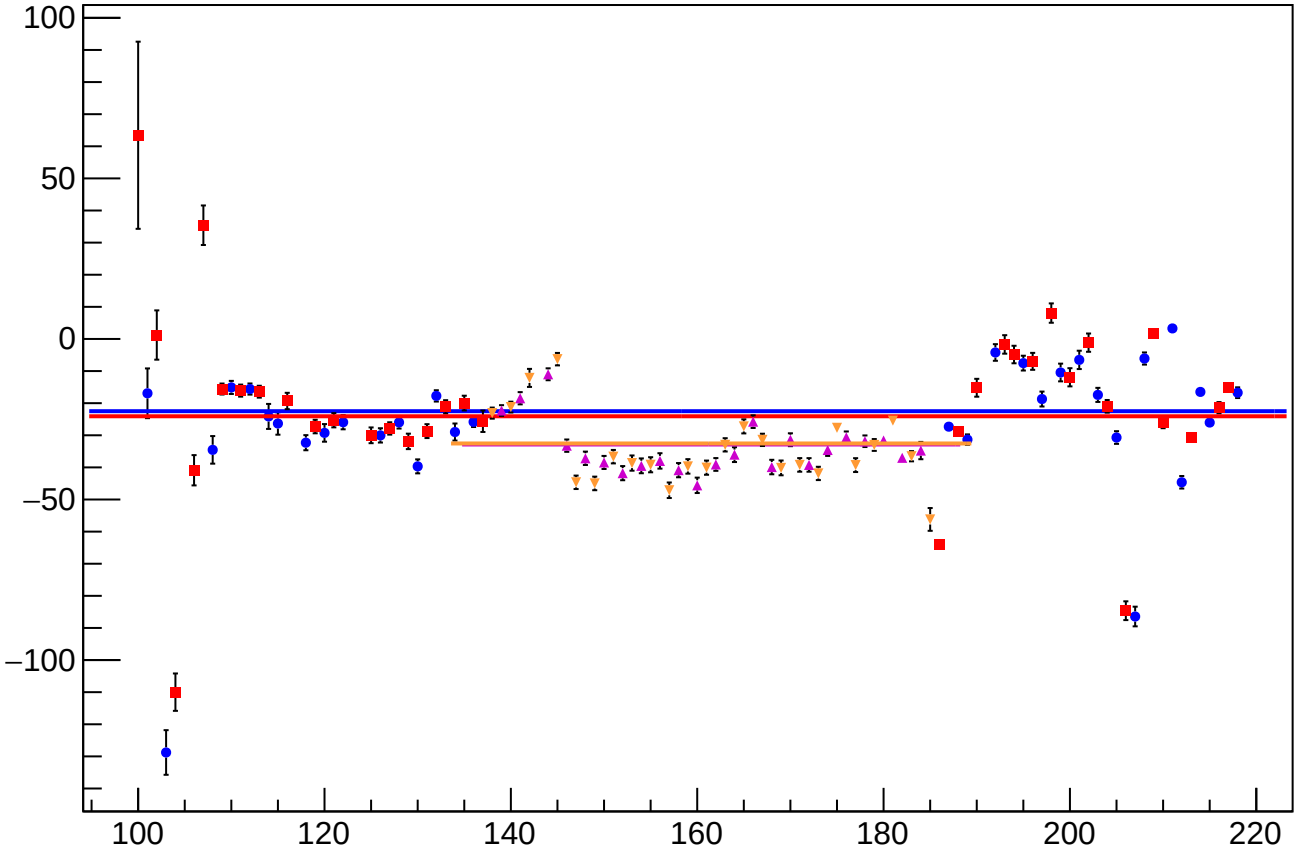
Left In: -57.377+/-0.025 χ^2/NDF:227136.8/22

+ sign -55.988+/-0.021 χ^2/NDF: 1014406.3/55

All: -56.328+/-0.015 χ^2/NDF: 1886862.6/112

- sign -56.671+/-0.021 χ^2/NDF: 871927.9/56

reg_asym_us_avg_at1lr_avg_dd_diff_bpm1X_slope vs Slug



Right In: -22.497+/-0.369 χ^2/NDF: 1555.3/31

Left Out: -32.549+/-0.407 χ^2/NDF:603.6/23

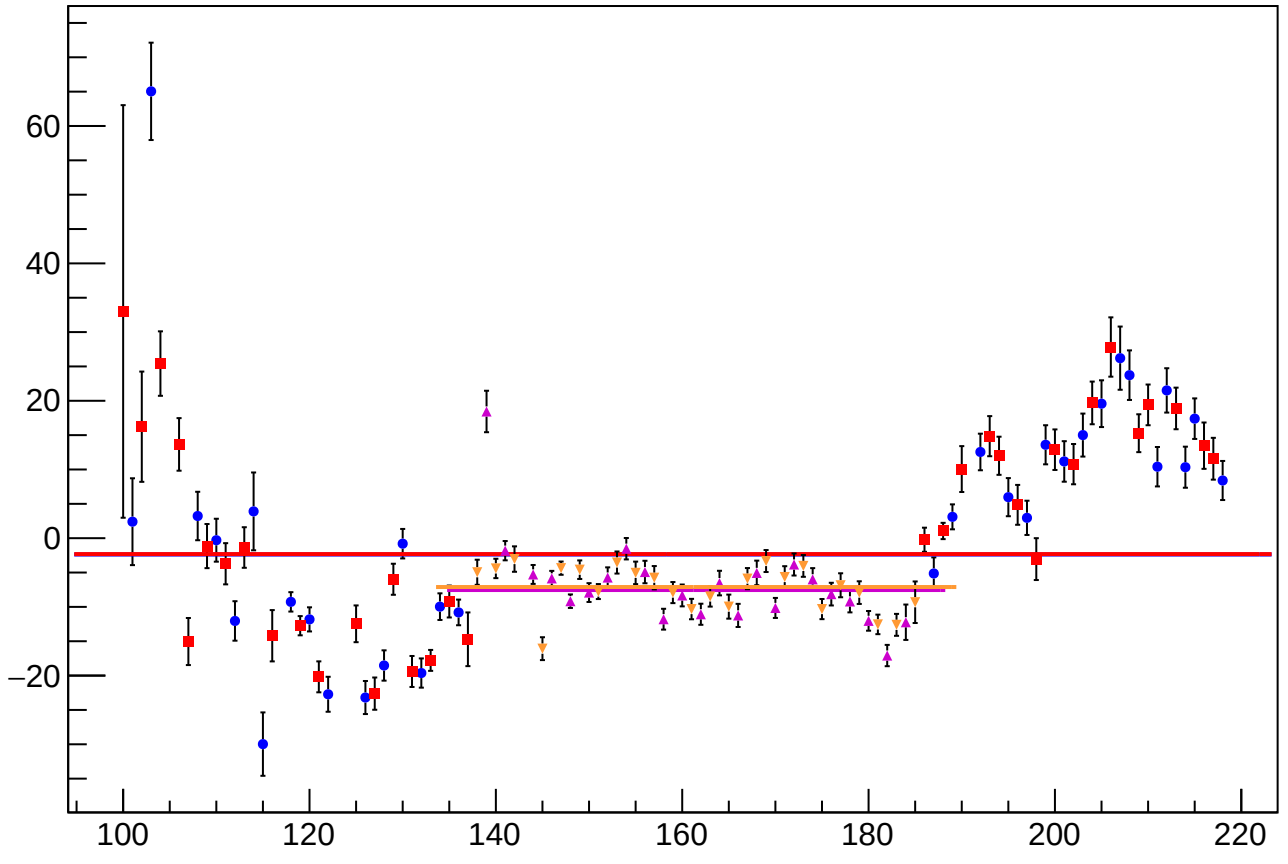
Right Out: -24.079+/-0.352 χ^2/NDF: 2421.8/33

Left In: -32.867+/-0.411 χ^2/NDF:373.2/22

+ sign -27.034+/-0.273 χ^2/NDF: 2494.2/55

All: -27.423+/-0.191 χ^2/NDF: 5556.7/112

- sign -27.795+/-0.267 χ^2/NDF: 3058.5/56



Right In: -2.378+/-0.456 χ^2/NDF: 913.2/31

Left Out: -7.110+/-0.309 χ^2/NDF:109.5/23

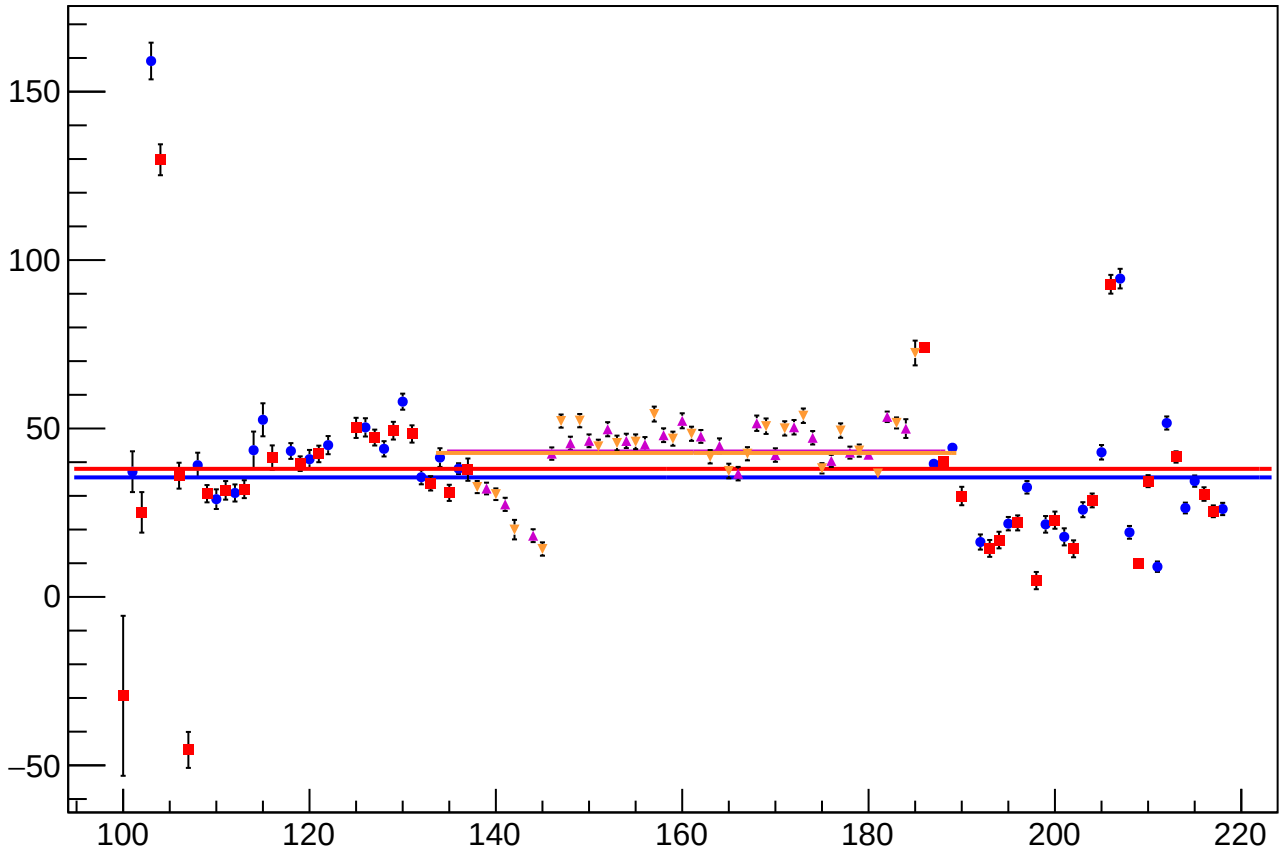
Right Out: -2.316+/-0.436 χ^2/NDF: 895.5/33

Left In: -7.547+/-0.315 χ^2/NDF:199.7/22

+ sign -5.618+/-0.256 χ^2/NDF: 1096.5/55

All: -5.686+/-0.181 χ^2/NDF: 2286.3/112

- sign -5.754+/-0.255 χ^2/NDF: 1189.7/56



Right In: 35.485+/-0.377 χ^2/NDF: 1898.1/31

Left Out: 42.745+/-0.403 χ^2/NDF:631.5/23

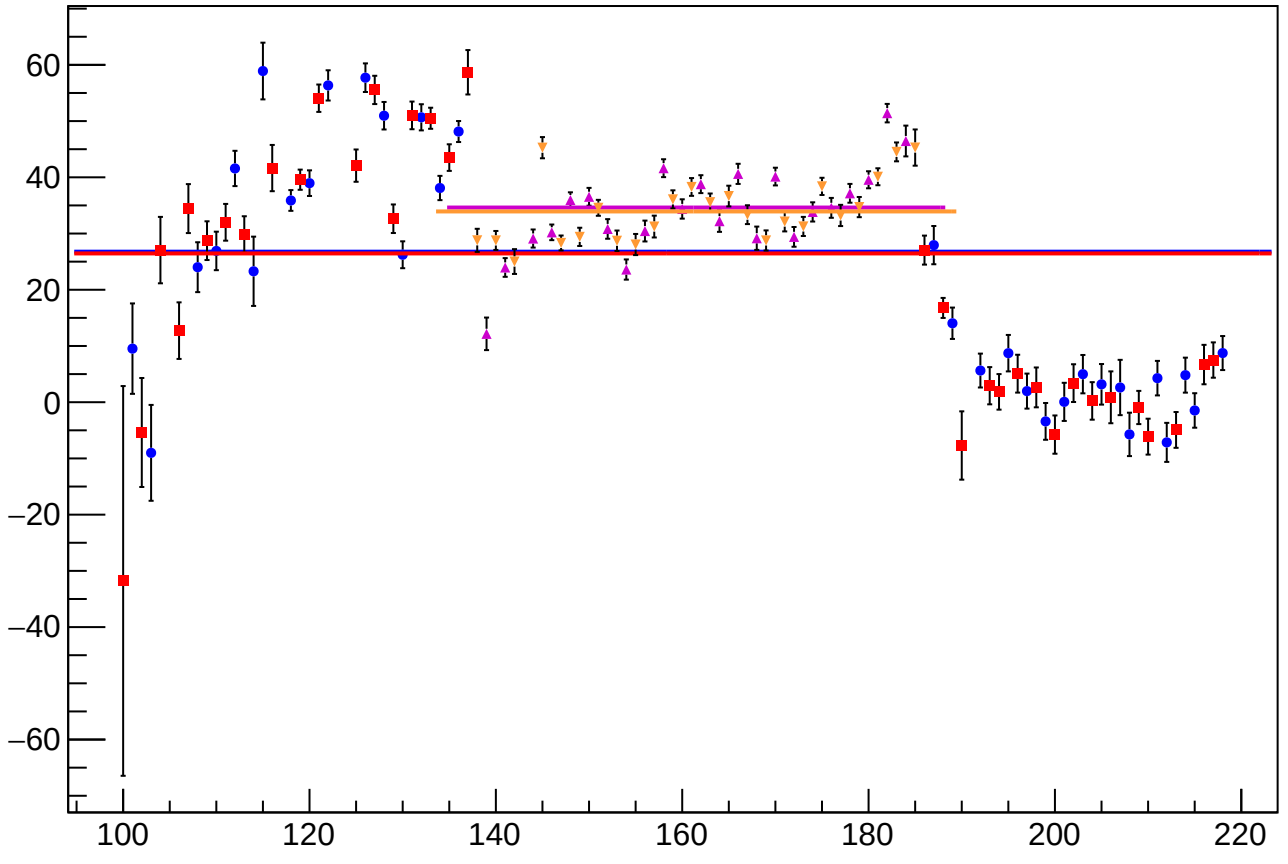
Right Out: 38.023+/-0.348 χ^2/NDF: 3144.7/33

Left In: 43.169+/-0.407 χ^2/NDF:413.0/22

+ sign 38.870+/-0.275 χ^2/NDF: 2702.6/55

All: 39.560+/-0.191 χ^2/NDF: 6364.6/112

- sign 40.196+/-0.265 χ^2/NDF: 3650.0/56



Right In: 26.773+/-0.525 χ^2/NDF: 1578.6/31

Left Out: 33.930+/-0.351 χ^2/NDF:216.5/23

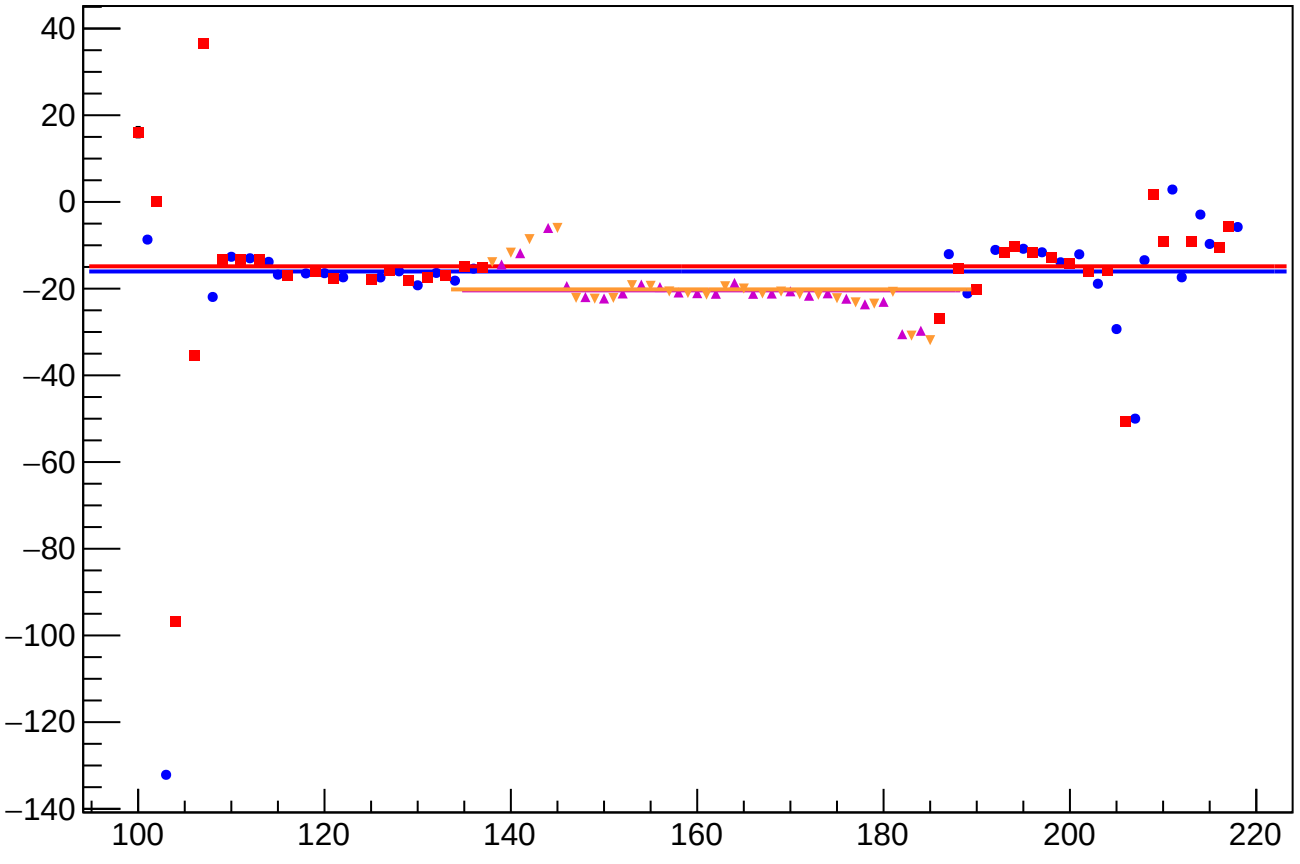
Right Out: 26.460+/-0.518 χ^2/NDF: 1619.4/33

Left In: 34.623+/-0.356 χ^2/NDF:376.1/22

\+ sign 31.724+/-0.292 χ^2/NDF: 1923.5/55

All: 31.862+/-0.207 χ^2/NDF: 4088.1/112

\- sign 32.001+/-0.293 χ^2/NDF: 2164.1/56



Right In: -16.039+/-0.026 χ^2/NDF: 335885.2/31

Left Out: -20.174+/-0.016 χ^2/NDF:99947.2/23

Right Out: -14.852+/-0.025 χ^2/NDF: 278742.4/33

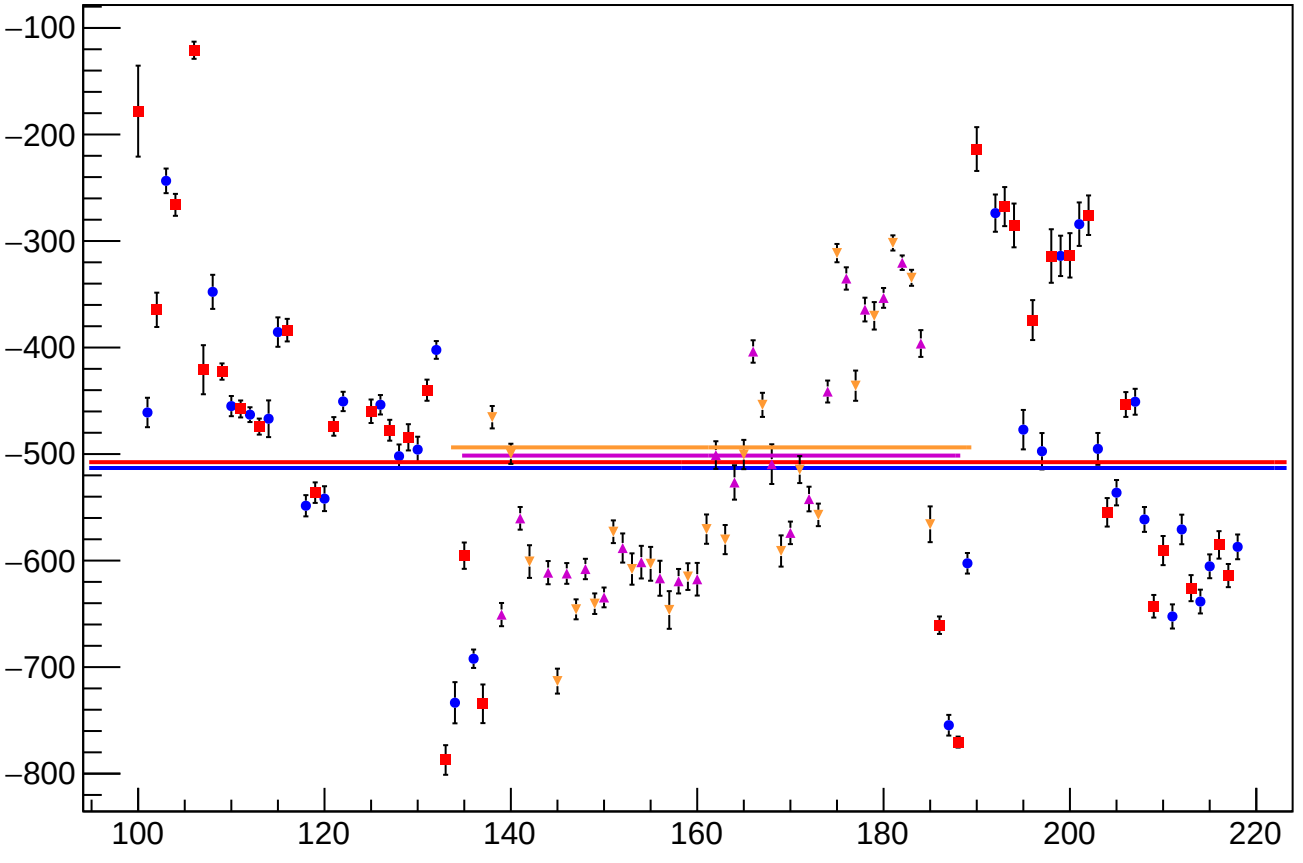
Left In: -20.396+/-0.016 χ^2/NDF:81154.4/22

+ sign -19.033+/-0.013 χ^2/NDF: 454792.5/55

All: -18.940+/-0.009 χ^2/NDF: 849247.1/112

- sign -18.848+/-0.013 χ^2/NDF: 394359.2/56

reg_asym_us_avg_at2lr_avg_avg_diff_bpm1X_slope vs Slug



Right In: -513.085+/-2.031 χ^2/NDF: 3279.9/31

Left Out: -493.722+/-2.295 χ^2/NDF:3150.0/23

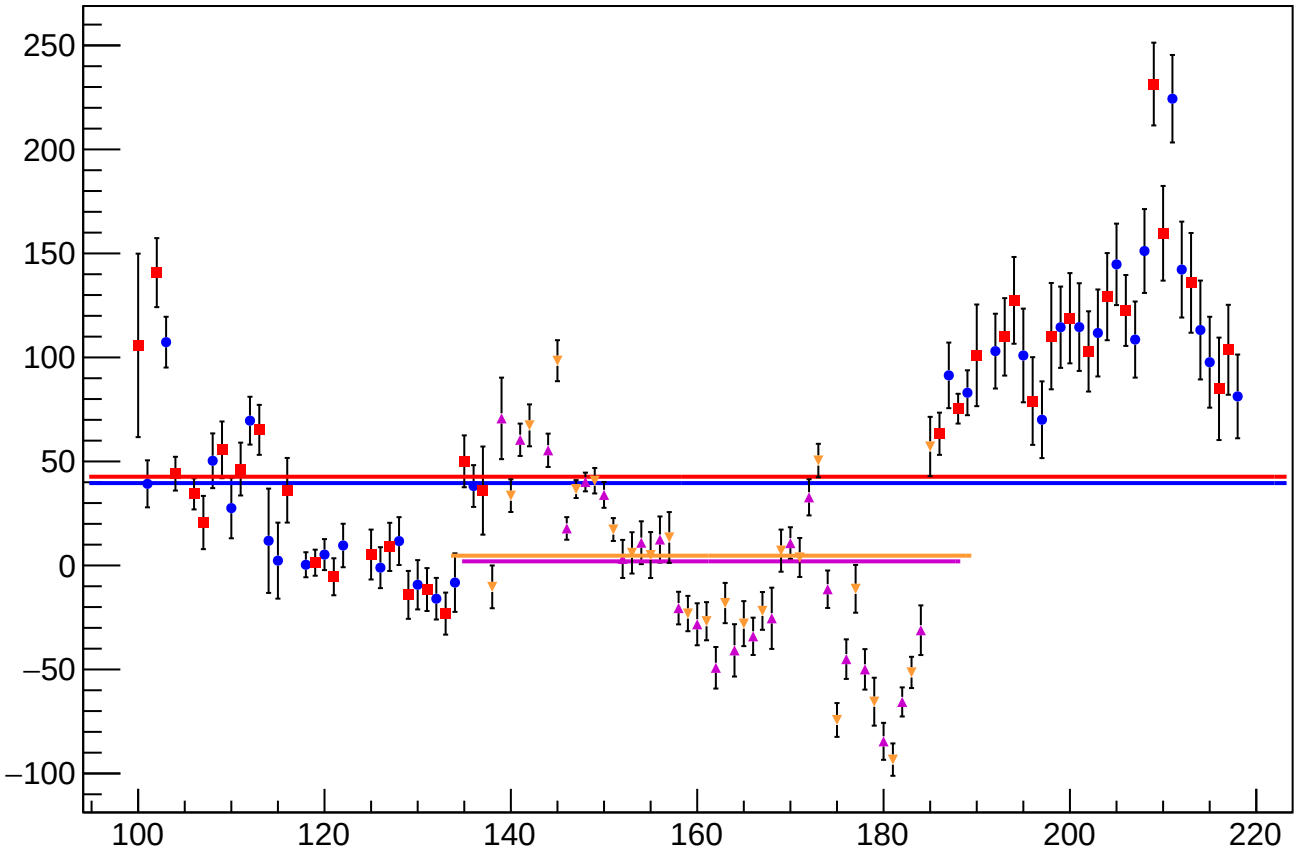
Right Out: -507.608+/-1.881 χ^2/NDF: 8285.4/33

Left In: -501.425+/-2.306 χ^2/NDF:2689.3/22

\+ sign -504.580+/-1.521 χ^2/NDF: 6469.8/55

All: -504.871+/-1.052 χ^2/NDF: 17448.9/112

\- sign -505.139+/-1.457 χ^2/NDF: 10979.0/56



Right In: 39.596+/-2.305 χ^2/NDF: 479.3/31

Left Out: 4.709+/-1.696 χ^2/NDF:680.3/23

Right Out: 42.652+/-2.160 χ^2/NDF: 505.8/33

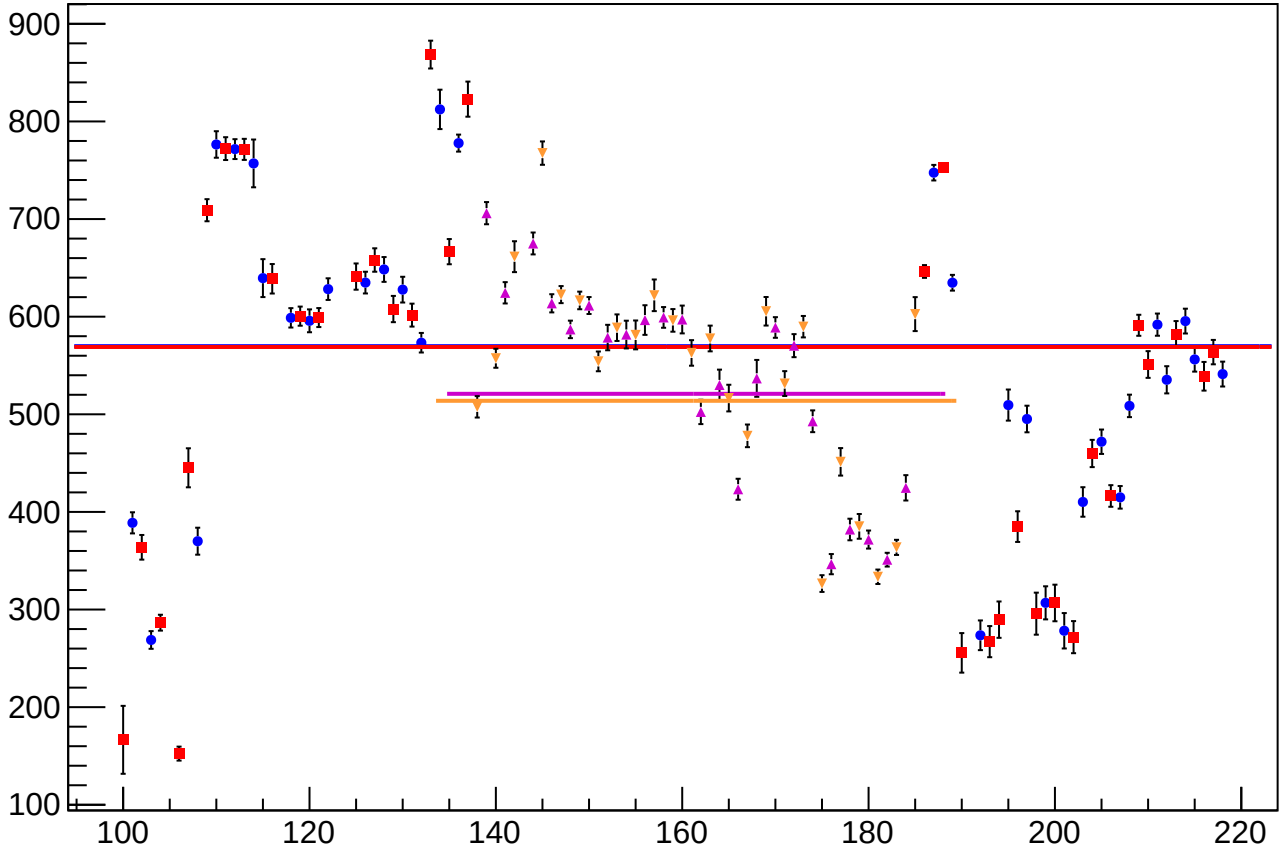
Left In: 1.970+/-1.722 χ^2/NDF:560.8/22

+ sign 16.960+/-1.366 χ^2/NDF: 1308.3/55

All: 17.376+/-0.959 χ^2/NDF: 2592.0/112

- sign 17.780+/-1.346 χ^2/NDF: 1283.5/56

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4eX_slope vs Slug



Right In: 569.787+/-2.107 χ^2/NDF: 5021.0/31

Left Out: 513.833+/-2.277 χ^2/NDF:2735.5/23

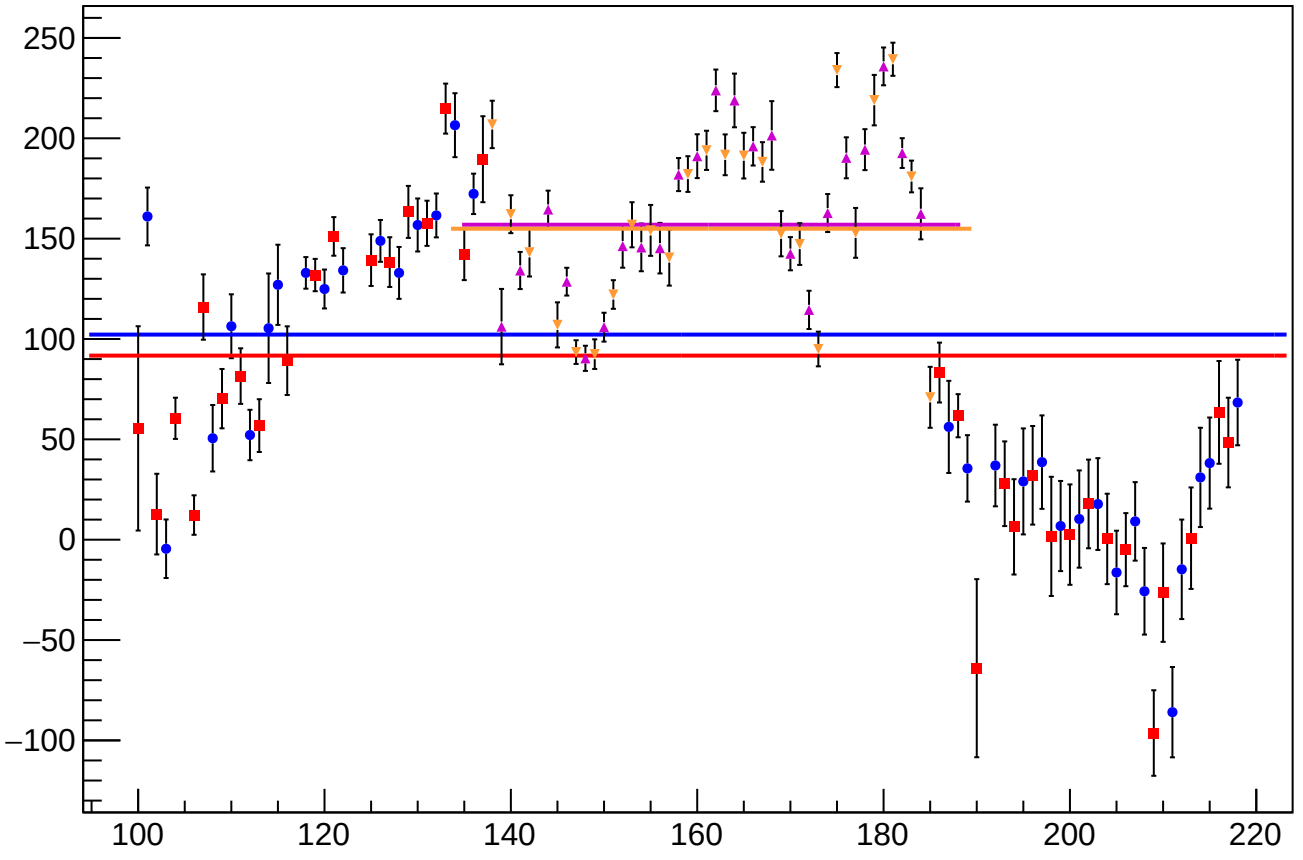
Right Out: 568.973+/-1.890 χ^2/NDF: 10678.2/33

Left In: 520.990+/-2.283 χ^2/NDF:2442.8/22

+ sign 543.973+/-1.546 χ^2/NDF: 8081.8/55

All: 546.885+/-1.060 χ^2/NDF: 21471.6/112

- sign 549.465+/-1.456 χ^2/NDF: 13383.0/56



Right In: 102.200+/-2.686 χ^2/NDF: 583.0/31

Left Out: 154.944+/-1.953 χ^2/NDF:609.0/23

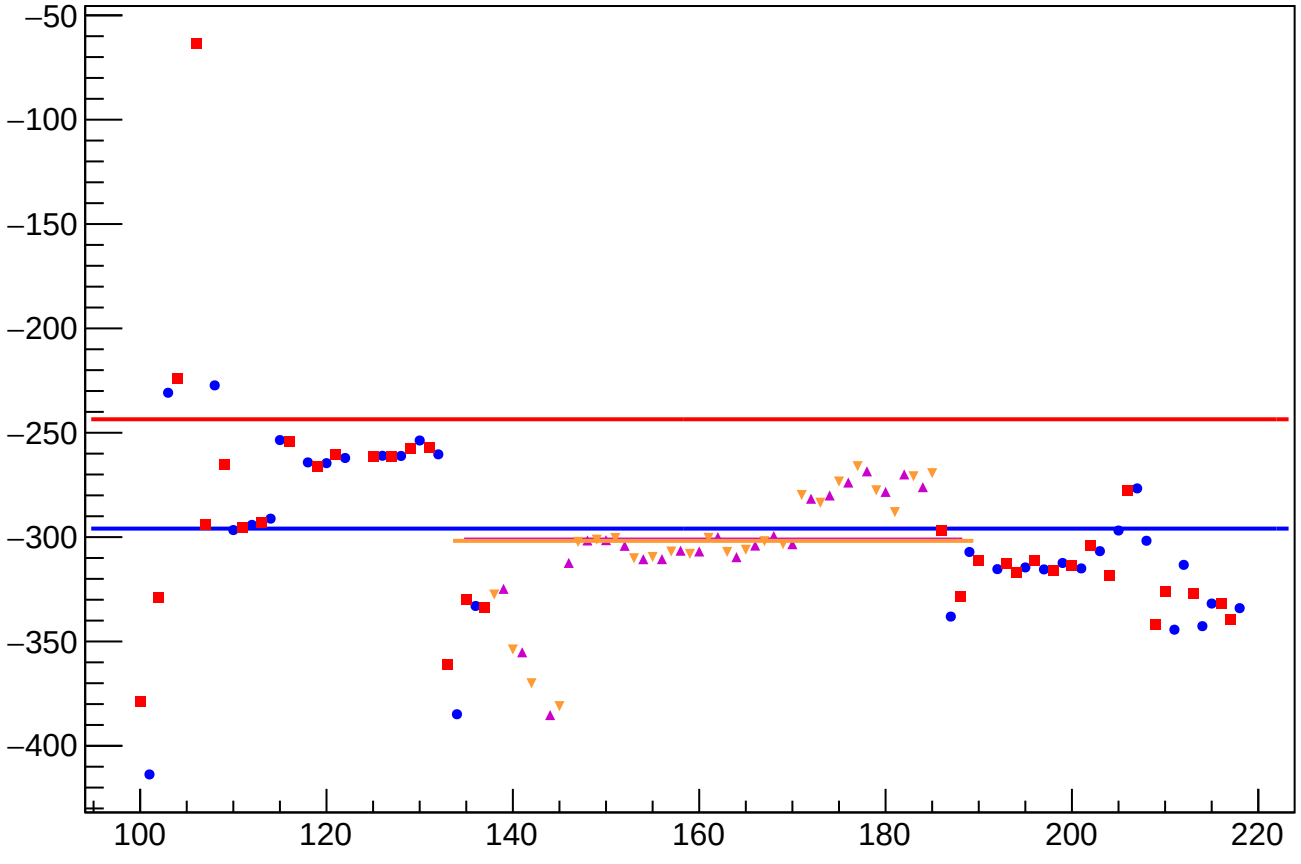
Right Out: 91.723+/-2.574 χ^2/NDF: 637.3/33

Left In: 156.934+/-1.971 χ^2/NDF:443.2/22

+ sign 136.698+/-1.580 χ^2/NDF: 1444.3/55

All: 134.743+/-1.112 χ^2/NDF: 2932.5/112

- sign 132.825+/-1.565 χ^2/NDF: 1485.1/56



Right In: -295.920+/-0.137 χ^2/NDF: 119454.5/31

Left Out: -301.785+/-0.091 χ^2/NDF:86719.4/23

Right Out: -243.545+/-0.121 χ^2/NDF: 713022.6/33

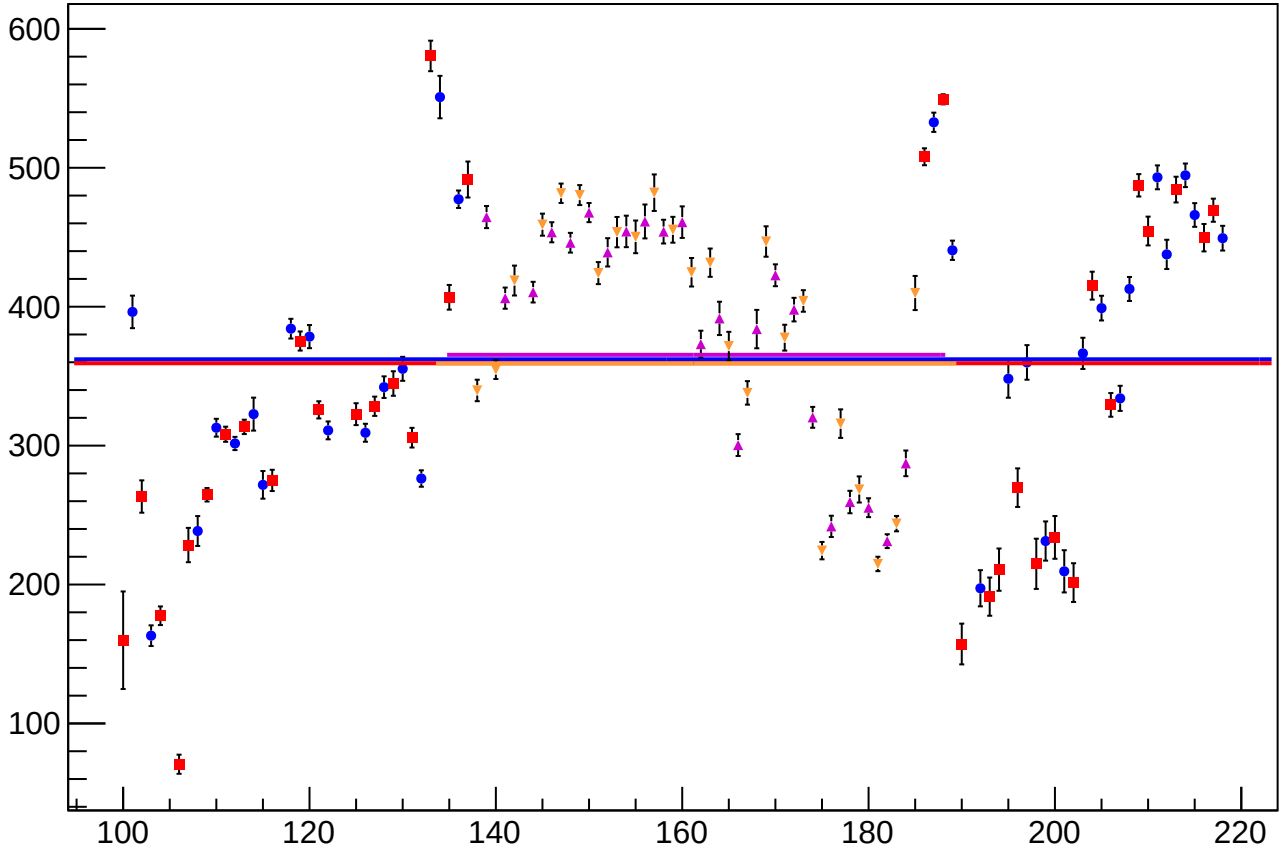
Left In: -301.176+/-0.090 χ^2/NDF:75325.3/22

+ sign -299.994+/-0.076 χ^2/NDF: 207448.7/55

All: -289.907+/-0.052 χ^2/NDF: 1175401.8/11

- sign -280.701+/-0.072 χ^2/NDF: 933959.3/56

reg_asym_us_avg_at2lr_avg_dd_diff_bpm1X_slope vs Slug



Right In: 362.141+/-1.462 χ^2/NDF: 3932.4/31

Left Out: 359.188+/-1.681 χ^2/NDF:3187.9/23

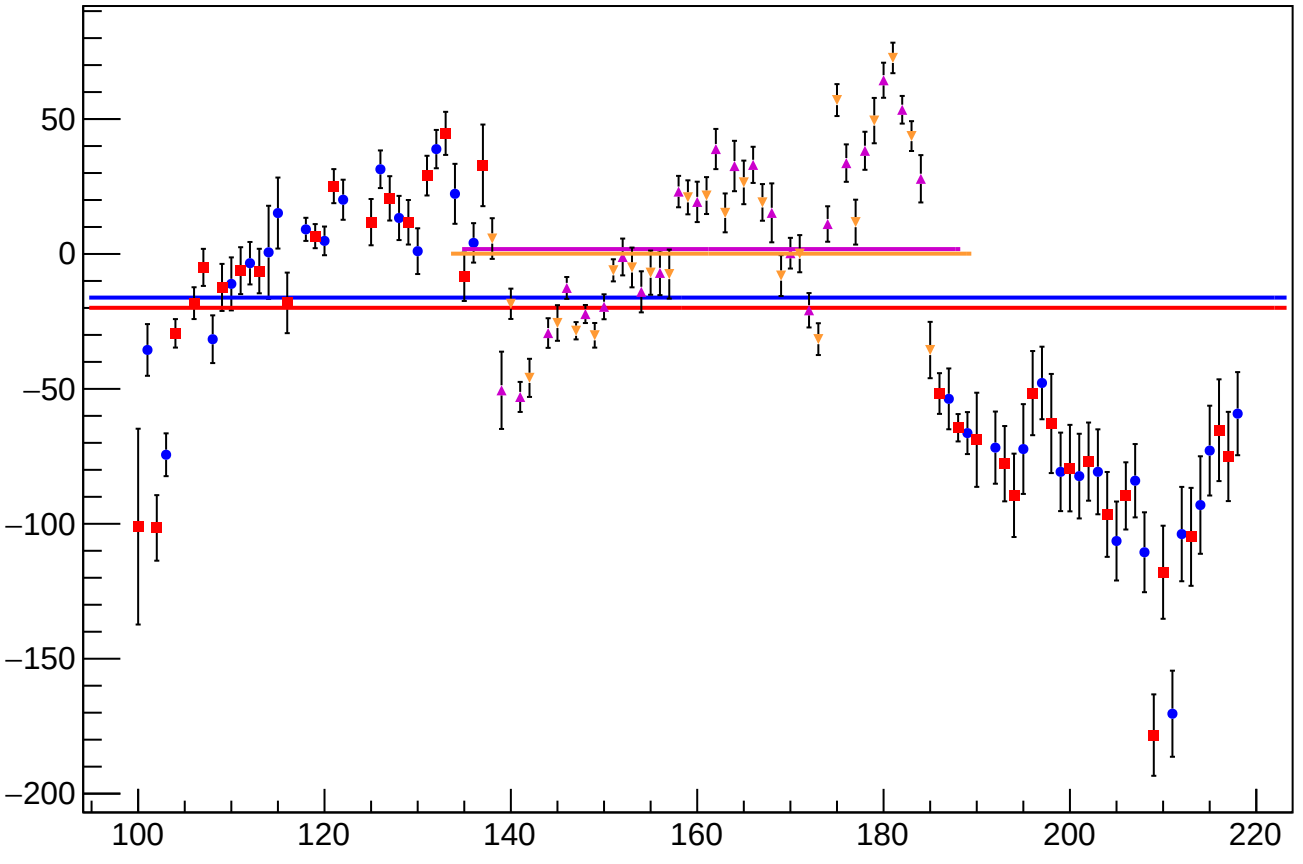
Right Out: 359.281+/-1.347 χ^2/NDF: 8903.5/33

Left In: 365.362+/-1.692 χ^2/NDF:2739.5/22

+ sign 360.869+/-1.103 χ^2/NDF: 7122.0/55

All: 361.272+/-0.762 χ^2/NDF: 18773.2/112

- sign 361.640+/-1.054 χ^2/NDF: 11650.9/56



Right In: -16.166+/-1.657 χ^2/NDF: 689.2/31

Left Out: 0.114+/-1.247 χ^2/NDF:637.9/23

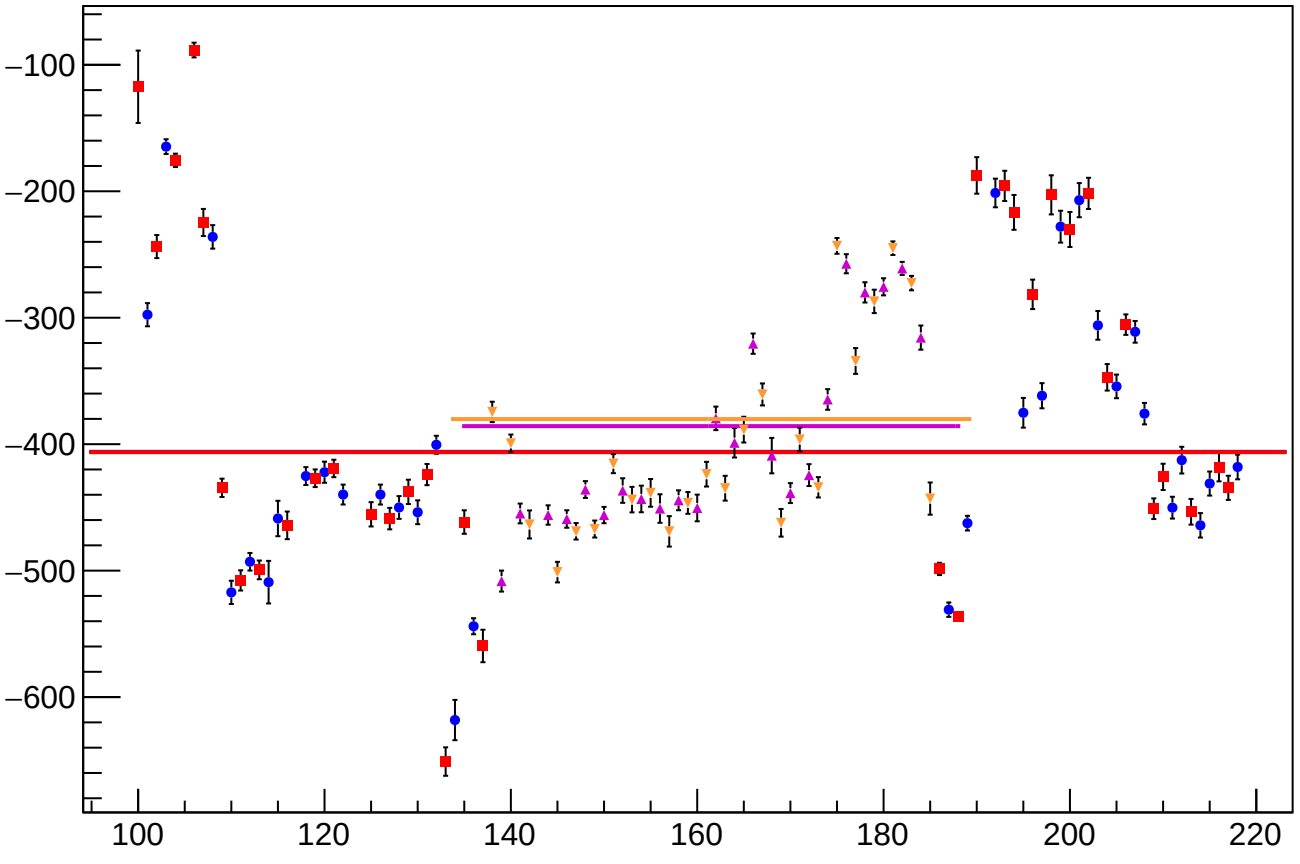
Right Out: -19.952+/-1.535 χ^2/NDF: 741.7/33

Left In: 1.812+/-1.267 χ^2/NDF:577.0/22

\+ sign -5.769+/-0.996 χ^2/NDF: 1388.7/55

All: -6.399+/-0.698 χ^2/NDF: 2827.8/112

\- sign -7.004+/-0.977 χ^2/NDF: 1438.3/56



Right In: -406.056+/-1.523 χ^2/NDF: 4940.4/31

Left Out: -380.144+/-1.670 χ^2/NDF:2618.6/23

Right Out: -406.305+/-1.359 χ^2/NDF: 10724.8/33

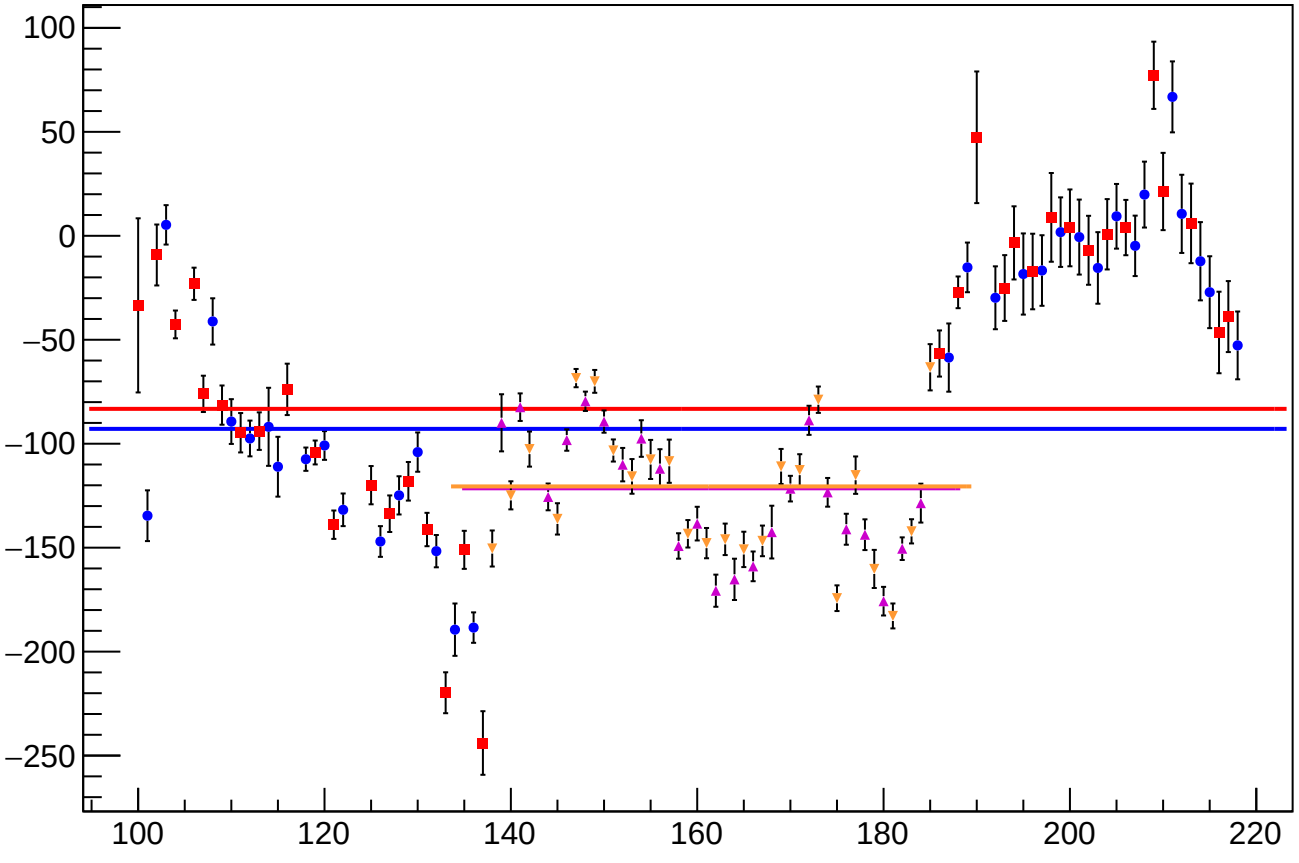
Left In: -385.725+/-1.677 χ^2/NDF:2361.2/22

+ sign -394.291+/-1.125 χ^2/NDF: 7690.5/55

All: -396.340+/-0.770 χ^2/NDF: 20873.6/112

- sign -398.145+/-1.056 χ^2/NDF: 13176.9/56

reg_asym_us_avg_at2lr_avg_dd_diff_bpm4eY_slope vs Slug



Right In: -92.860+/-1.932 χ^2/NDF: 993.2/31

Left Out: -120.541+/-1.435 χ^2/NDF:611.5/23

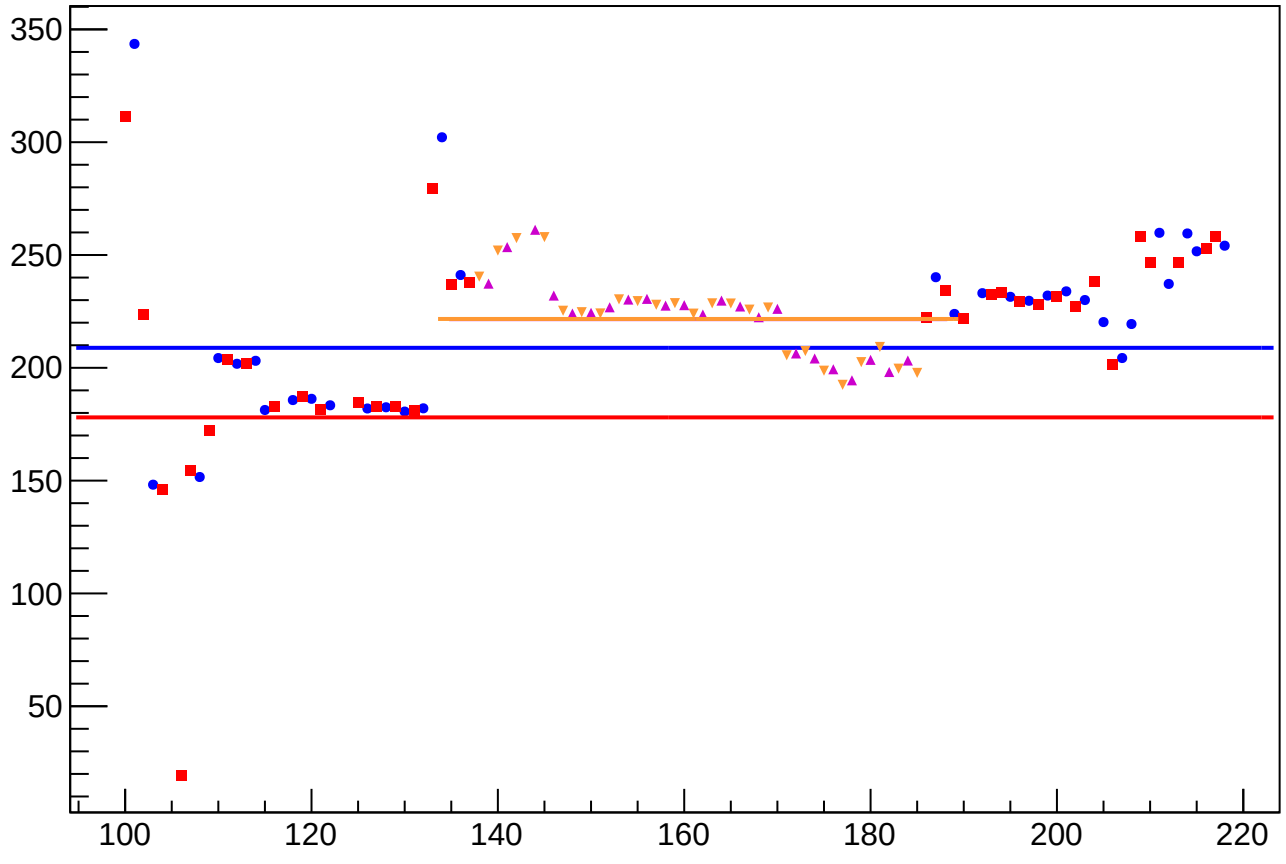
Right Out: -83.235+/-1.830 χ^2/NDF: 1097.0/33

Left In: -121.453+/-1.450 χ^2/NDF:432.6/22

+ sign -110.697+/-1.152 χ^2/NDF: 1737.0/55

All: -108.678+/-0.809 χ^2/NDF: 3540.8/112

- sign -106.714+/-1.136 χ^2/NDF: 1797.7/56



Right In: 208.860+/-0.098 χ^2/NDF: 214597.2/31

Left Out: 221.652+/-0.067 χ^2/NDF:67213.0/23

Right Out: 178.025+/-0.090 χ^2/NDF: 685702.1/33

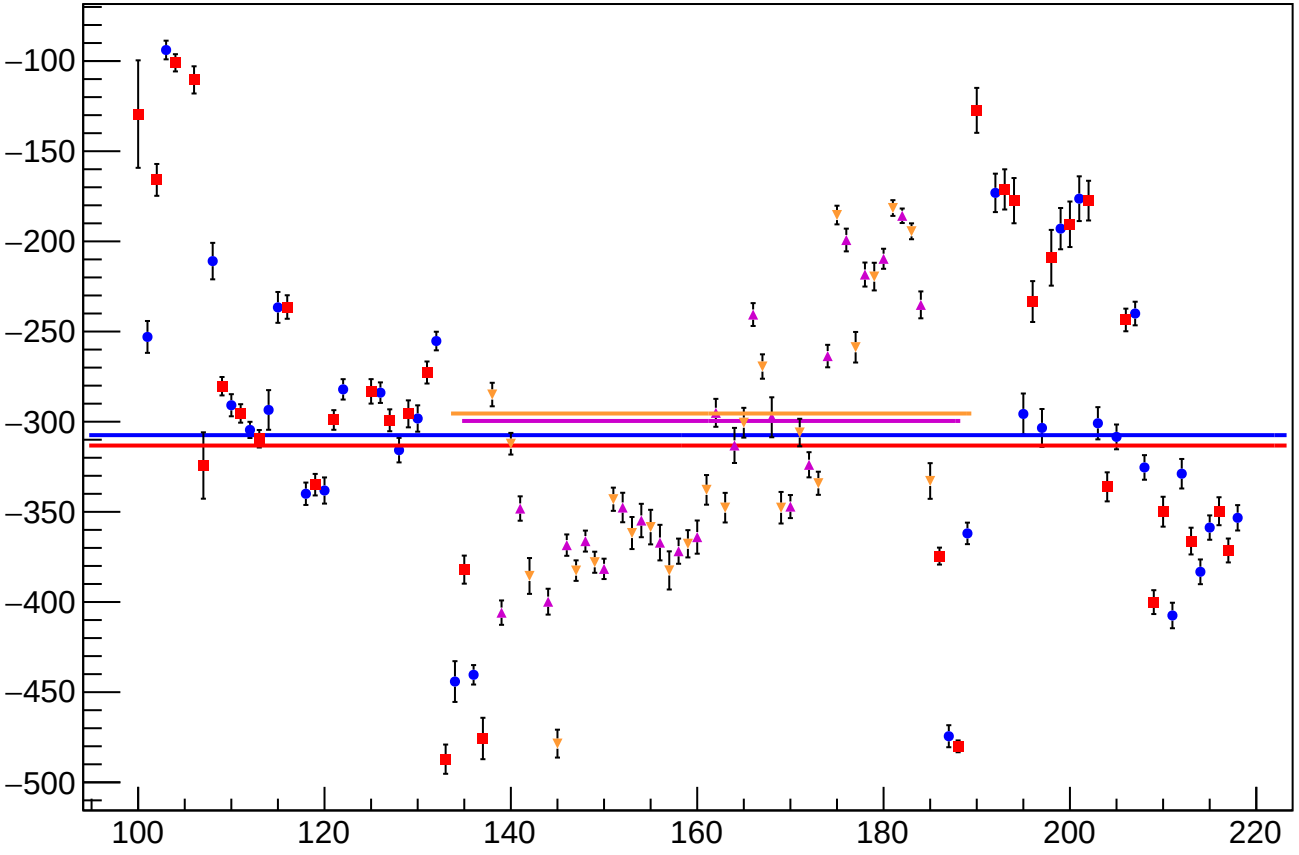
Left In: 221.574+/-0.066 χ^2/NDF:62122.0/22

+ sign 217.620+/-0.055 χ^2/NDF: 293411.2/55

All: 211.721+/-0.038 χ^2/NDF: 1215834.8/112

- sign 206.221+/-0.053 χ^2/NDF: 900335.7/56

reg_asym_us_avg_atlr_avg_avg_diff_bpm1X_slope vs Slug



Right In: -307.464+/-1.234 χ^2/NDF: 4595.8/31

Left Out: -295.464+/-1.393 χ^2/NDF:3346.3/23

Right Out: -313.225+/-1.165 χ^2/NDF: 8113.1/33

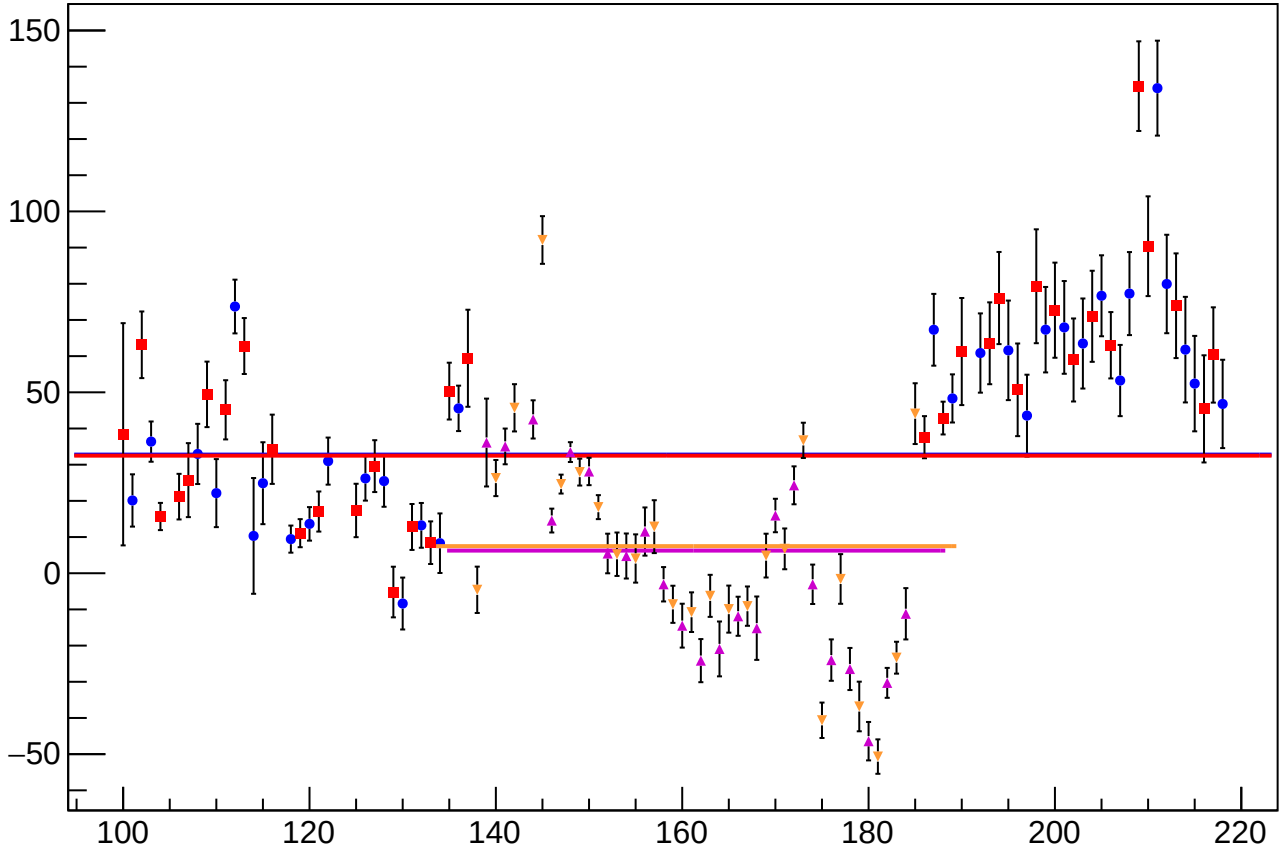
Left In: -299.588+/-1.397 χ^2/NDF:2971.7/22

+ sign -302.186+/-0.924 χ^2/NDF: 7983.7/55

All: -304.995+/-0.643 χ^2/NDF: 19142.7/112

- sign -307.630+/-0.895 χ^2/NDF: 11141.0/56

reg_asym_us_avg_atlr_avg_avg_diff_bpm4aY_slope vs Slug



Right In: 32.784+/-1.402 χ^2/NDF: 317.2/31

Left Out: 7.486+/-1.030 χ^2/NDF:738.5/23

Right Out: 32.500+/-1.323 χ^2/NDF: 337.3/33

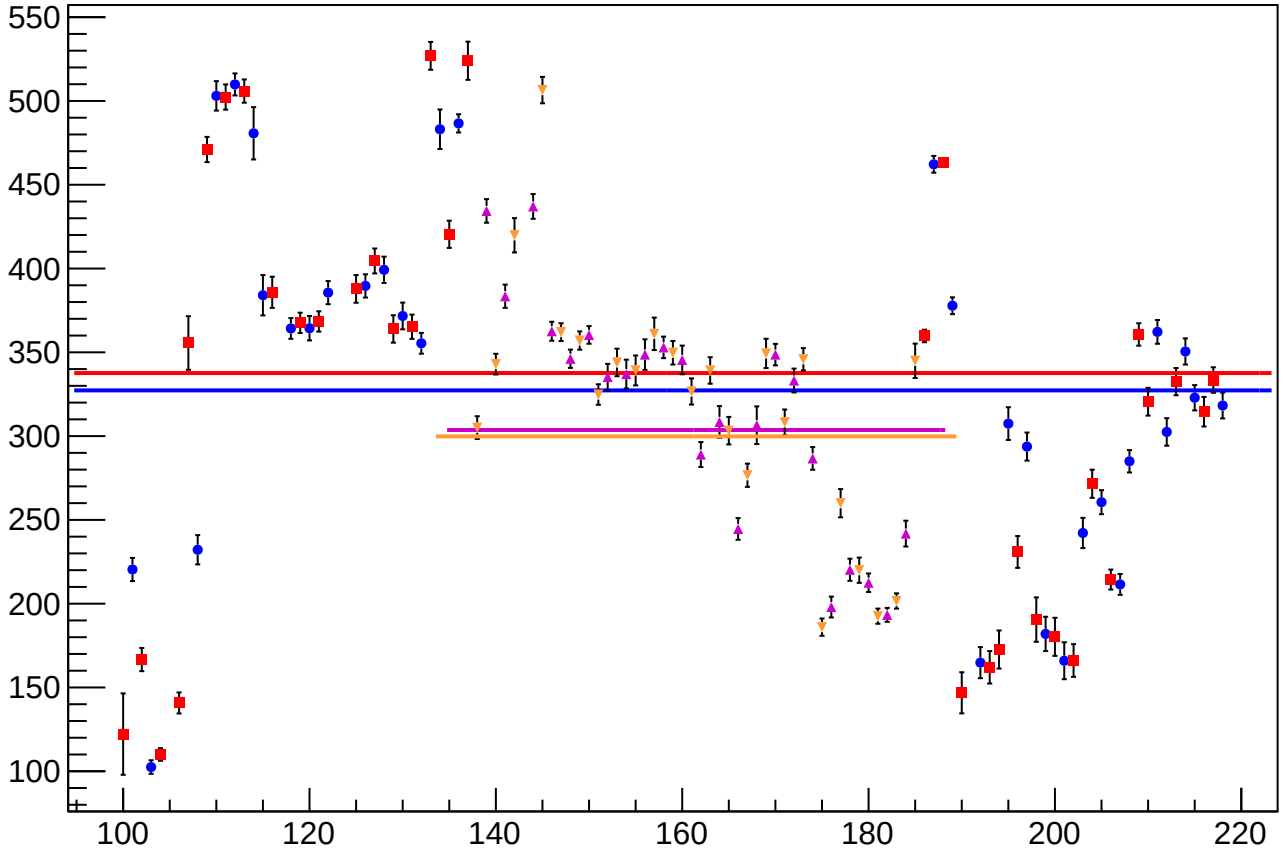
Left In: 6.259+/-1.045 χ^2/NDF:559.4/22

\+ sign 16.350+/-0.830 χ^2/NDF: 1267.2/55

All: 16.344+/-0.583 χ^2/NDF: 2406.1/112

\- sign 16.339+/-0.820 χ^2/NDF: 1138.9/56

reg_asym_us_avg_atlr_avg_avg_diff_bpm4eX_slope vs Slug



Right In: 327.277+/-1.263 χ^2/NDF: 8259.2/31

Left Out: 299.825+/-1.381 χ^2/NDF:3076.1/23

Right Out: 337.632+/-1.156 χ^2/NDF: 12164.6/33

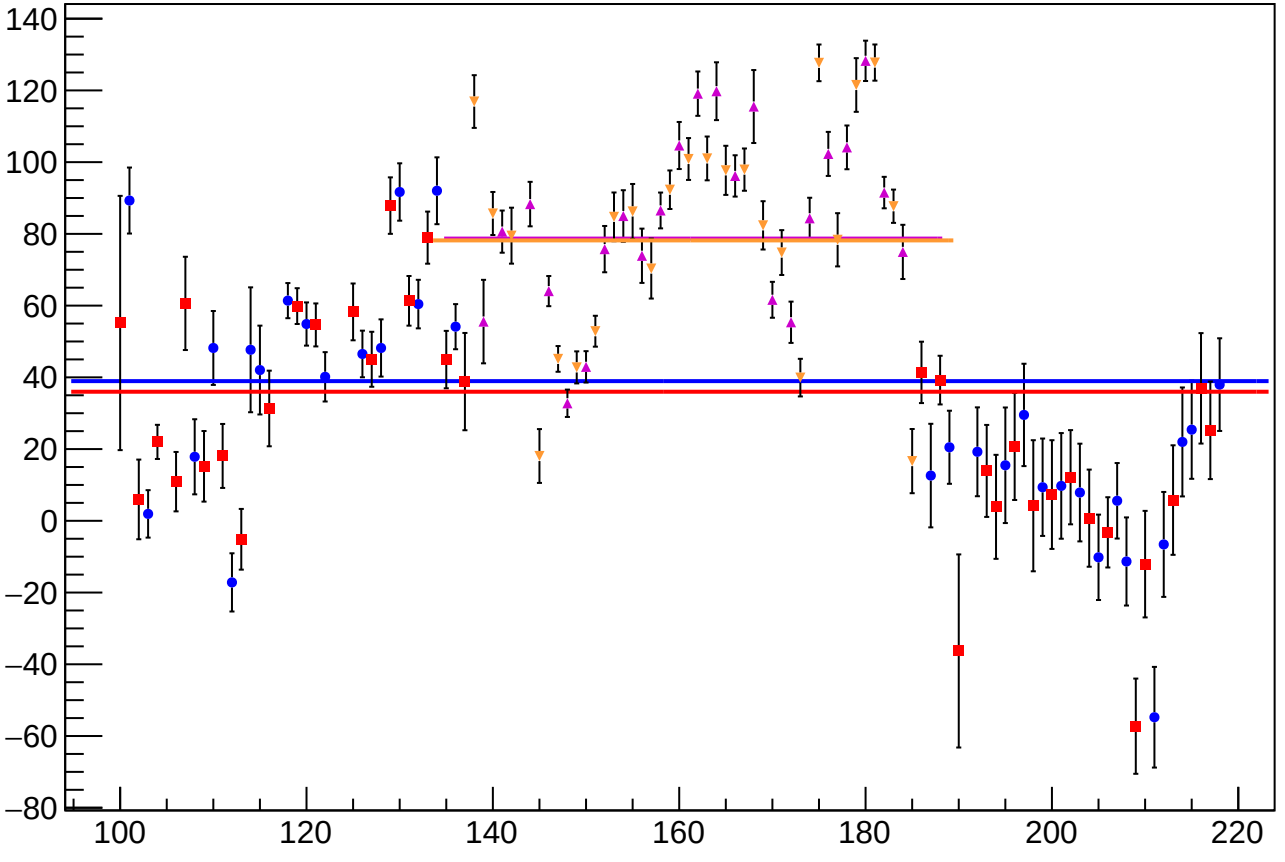
Left In: 303.652+/-1.383 χ^2/NDF:2872.6/22

\+ sign 314.769+/-0.932 χ^2/NDF: 11550.4/55

All: 319.427+/-0.643 χ^2/NDF: 26990.6/112

\- sign 323.645+/-0.887 χ^2/NDF: 15392.6/56

reg_asym_us_avg_atlr_avg_avg_diff_bpm4eY_slope vs Slug



Right In: 38.946+/-1.632 χ^2/NDF: 362.7/31

Left Out: 78.181+/-1.185 χ^2/NDF:663.3/23

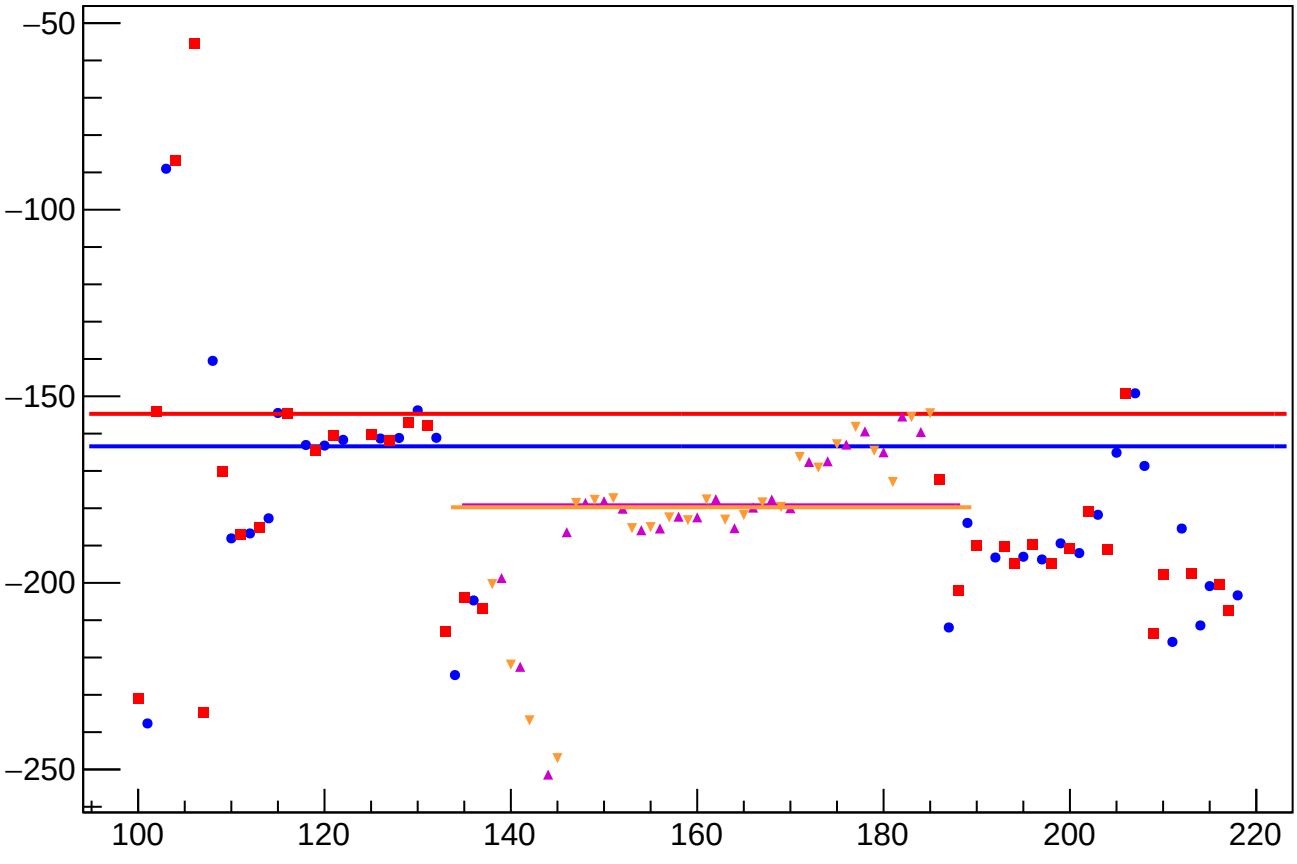
Right Out: 35.990+/-1.576 χ^2/NDF: 310.1/33

Left In: 78.689+/-1.195 χ^2/NDF:488.6/22

+ sign 64.643+/-0.959 χ^2/NDF: 1404.6/55

All: 63.869+/-0.676 χ^2/NDF: 2670.6/112

- sign 63.104+/-0.952 χ^2/NDF: 1264.8/56



Right In: -163.406+/-0.079 χ^2/NDF: 322268.1/31

Left Out: -179.738+/-0.055 χ^2/NDF:132199.5/23

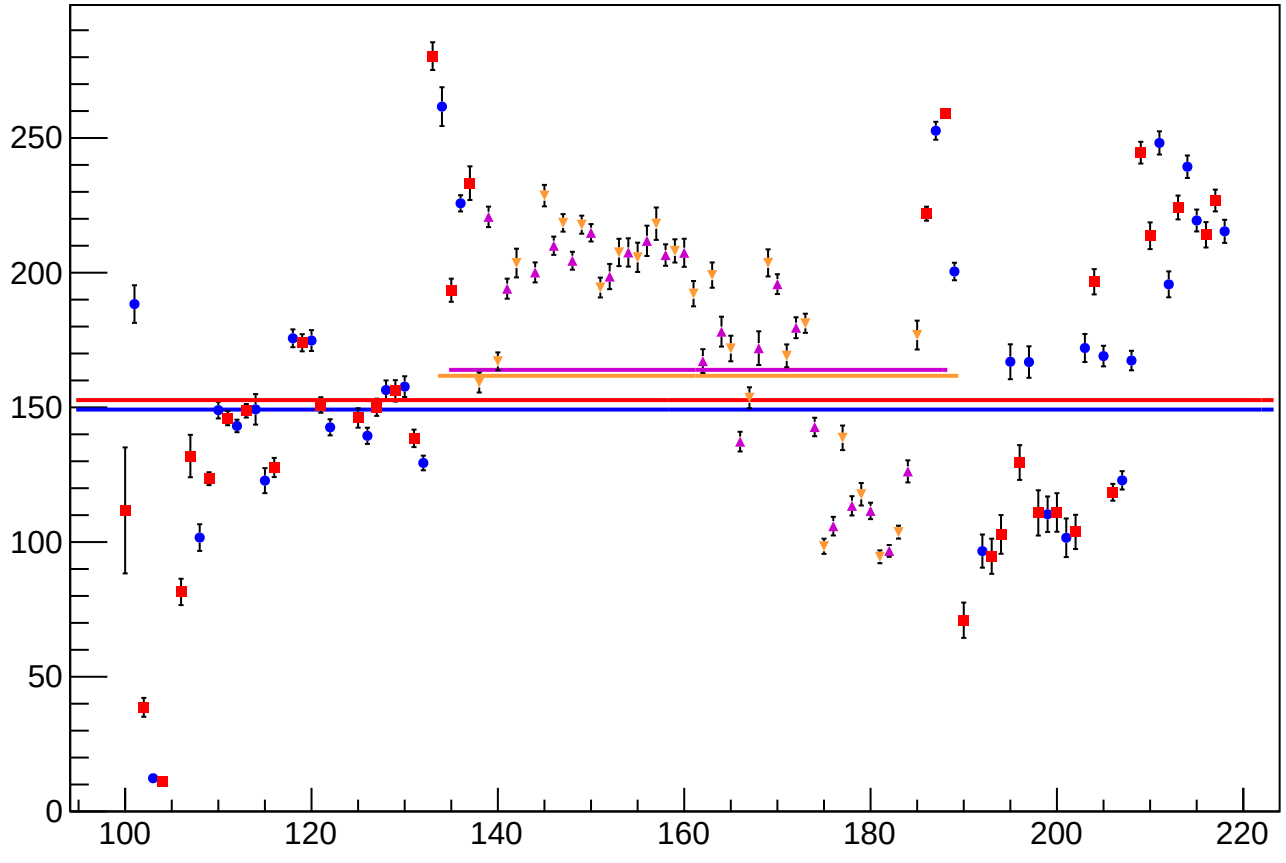
Right Out: -154.701+/-0.077 χ^2/NDF: 442756.9/33

Left In: -179.219+/-0.055 χ^2/NDF:113522.5/22

+ sign -174.420+/-0.045 χ^2/NDF: 483181.0/55

All: -172.678+/-0.032 χ^2/NDF: 1110261.3/11

- sign -170.992+/-0.044 χ^2/NDF: 624153.1/56



Right In: 149.183+/-0.650 χ^2/NDF: 10044.4/31

Left Out: 161.708+/-0.776 χ^2/NDF:3587.3/23

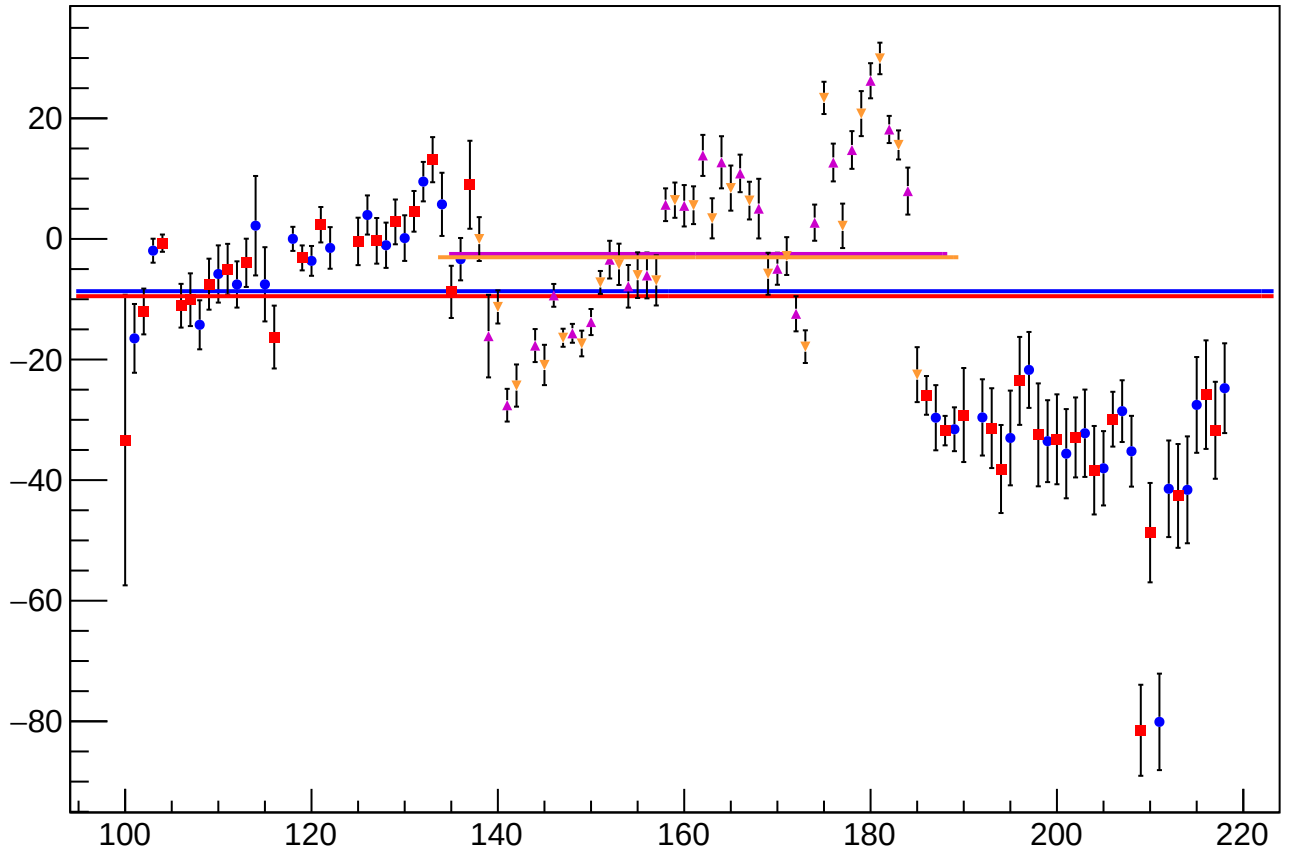
Right Out: 152.702+/-0.609 χ^2/NDF: 14873.6/33

Left In: 163.927+/-0.779 χ^2/NDF:3335.5/22

+ sign 154.348+/-0.498 χ^2/NDF: 13784.7/55

All: 155.704+/-0.346 χ^2/NDF: 32136.8/112

- sign 156.960+/-0.480 χ^2/NDF: 18337.9/56



Right In: -8.666+/-0.735 χ^2/NDF: 405.8/31

Left Out: -3.038+/-0.578 χ^2/NDF:654.5/23

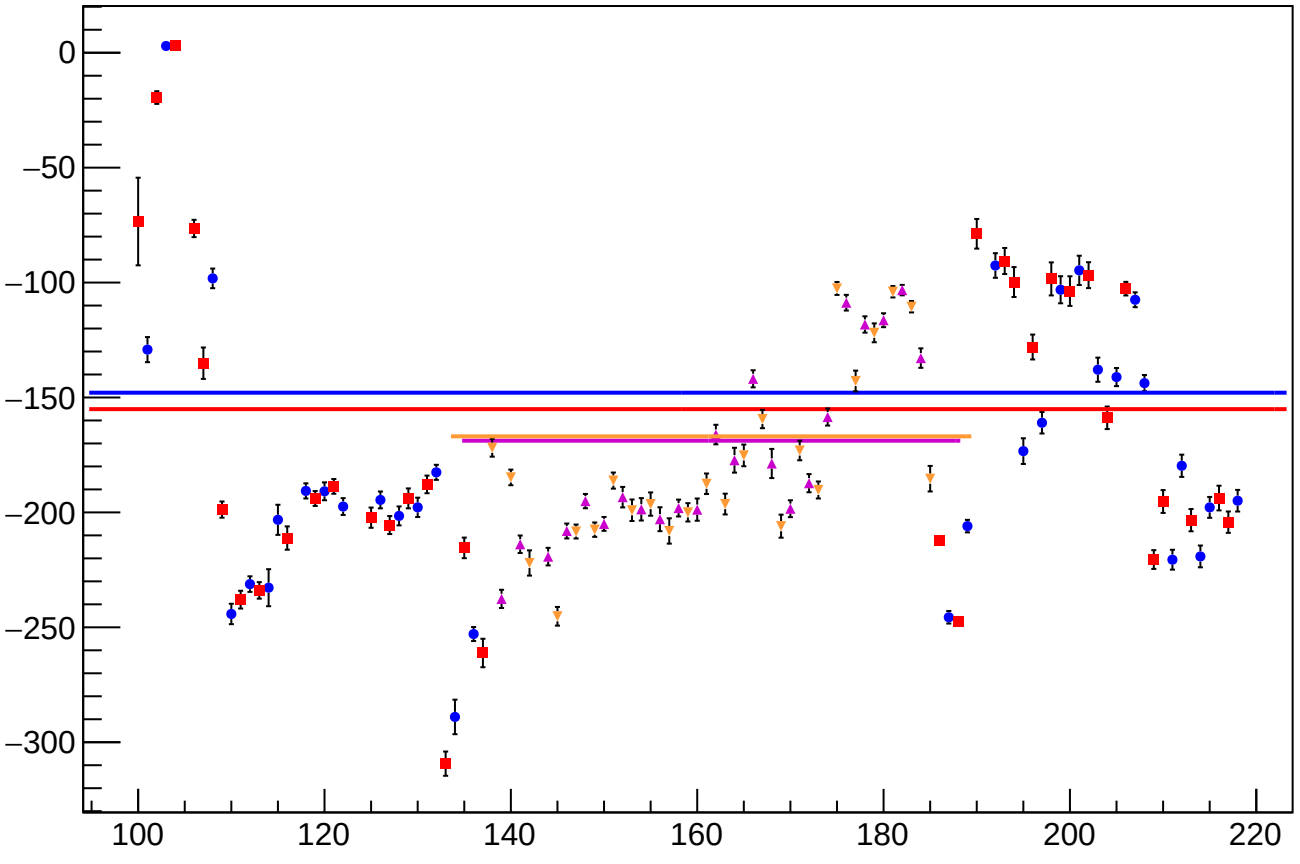
Right Out: -9.497+/-0.671 χ^2/NDF: 503.5/33

Left In: -2.492+/-0.587 χ^2/NDF:562.9/22

+ sign -5.188+/-0.455 χ^2/NDF: 1096.4/55

All: -5.363+/-0.317 χ^2/NDF: 2224.8/112

- sign -5.529+/-0.442 χ^2/NDF: 1128.1/56



Right In: -147.918+/-0.654 χ^2/NDF: 18092.5/31

Left Out: -166.912+/-0.771 χ^2/NDF:3096.2/23

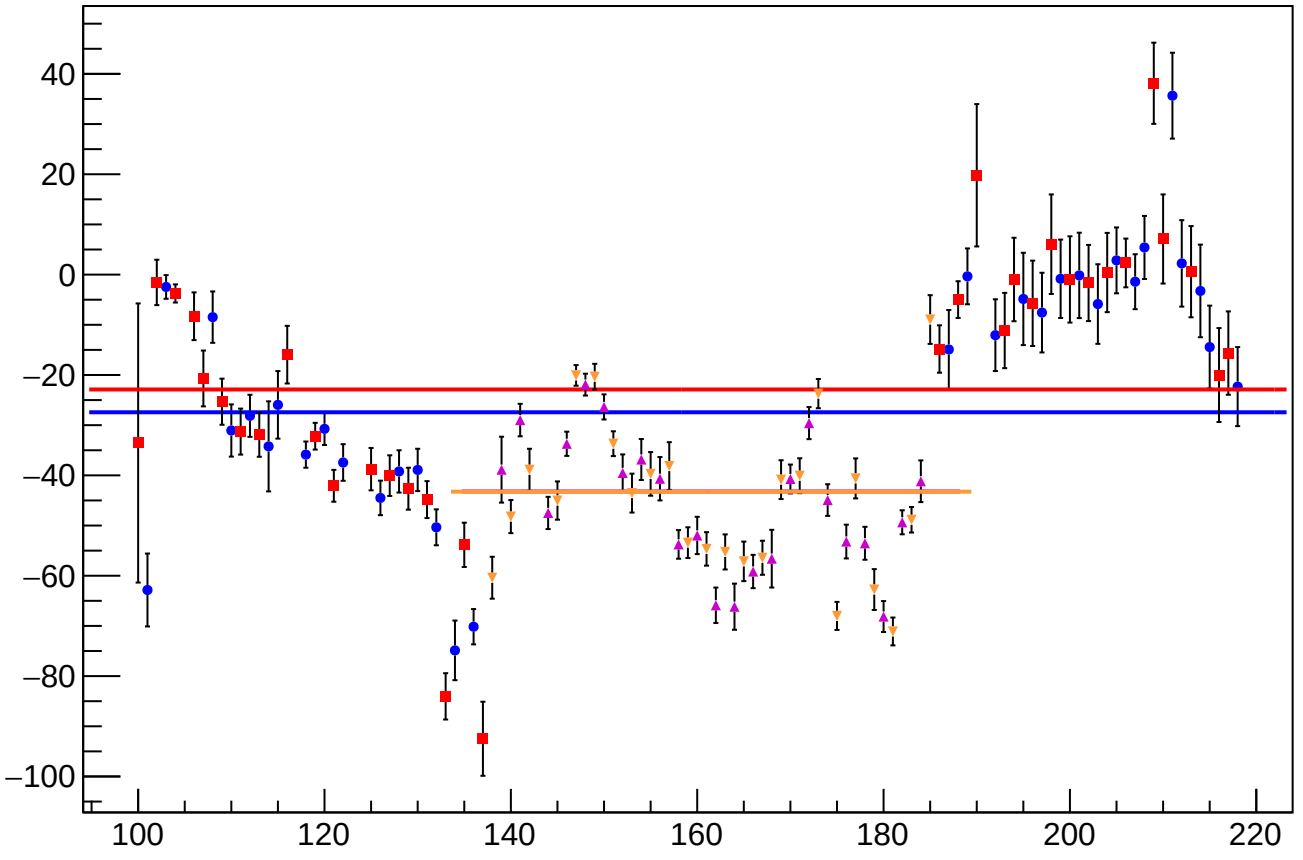
Right Out: -155.072+/-0.596 χ^2/NDF: 24657.9/33

Left In: -168.810+/-0.772 χ^2/NDF:3059.5/22

+ sign -155.861+/-0.498 χ^2/NDF: 21541.9/55

All: -158.150+/-0.343 χ^2/NDF: 49497.5/112

- sign -160.201+/-0.472 χ^2/NDF: 27915.6/56



Right In: -27.430+/-0.857 χ^2/NDF: 681.2/31

Left Out: -43.251+/-0.664 χ^2/NDF:610.2/23

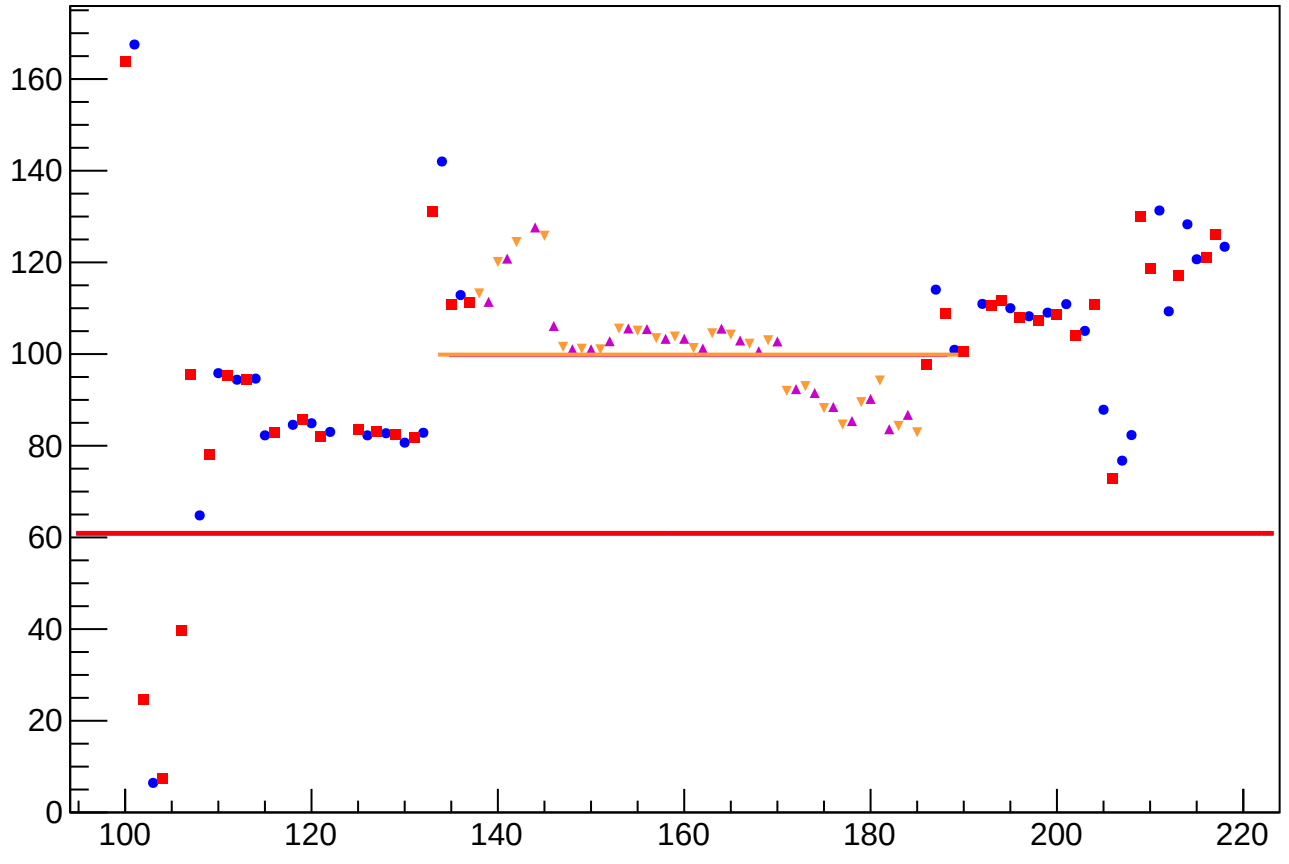
Right Out: -22.886+/-0.803 χ^2/NDF: 789.9/33

Left In: -43.207+/-0.670 χ^2/NDF:405.8/22

\+ sign -37.317+/-0.525 χ^2/NDF: 1504.3/55

All: -36.065+/-0.367 χ^2/NDF: 3088.9/112

\- sign -34.863+/-0.514 χ^2/NDF: 1573.5/56



Right In: 60.823+/-0.038 χ^2/NDF: 1608605.3/31

Left Out: 99.881+/-0.031 χ^2/NDF:123588.1/23

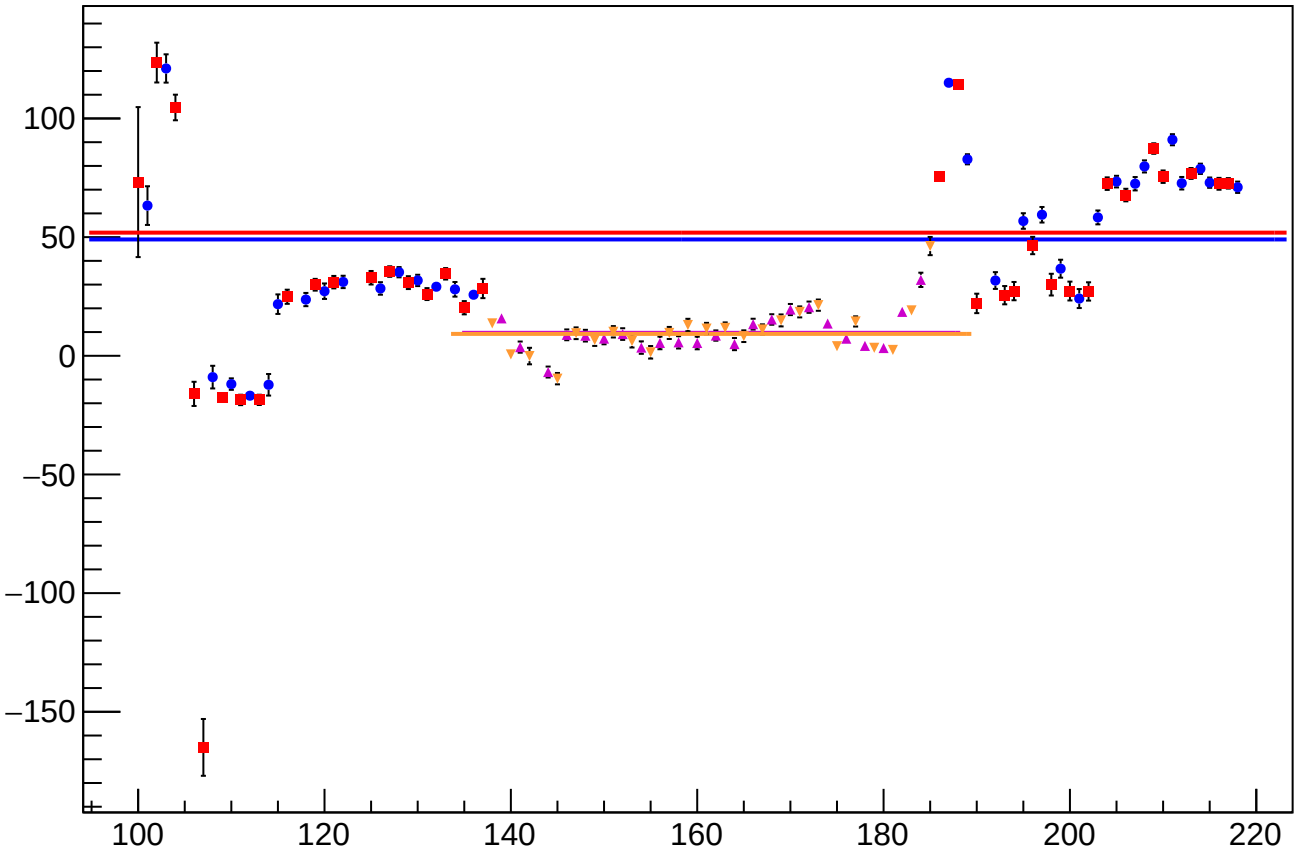
Right Out: 60.986+/-0.038 χ^2/NDF: 1392023.6/33

Left In: 99.769+/-0.031 χ^2/NDF:113501.0/22

+ sign 84.457+/-0.024 χ^2/NDF: 2368608.4/55

All: 84.476+/-0.017 χ^2/NDF: 4508758.8/112

- sign 84.495+/-0.024 χ^2/NDF: 2140149.2/56



Right In: 49.023+/-0.472 χ^2/NDF: 5385.3/31

Left Out: 9.228+/-0.456 χ^2/NDF:327.5/23

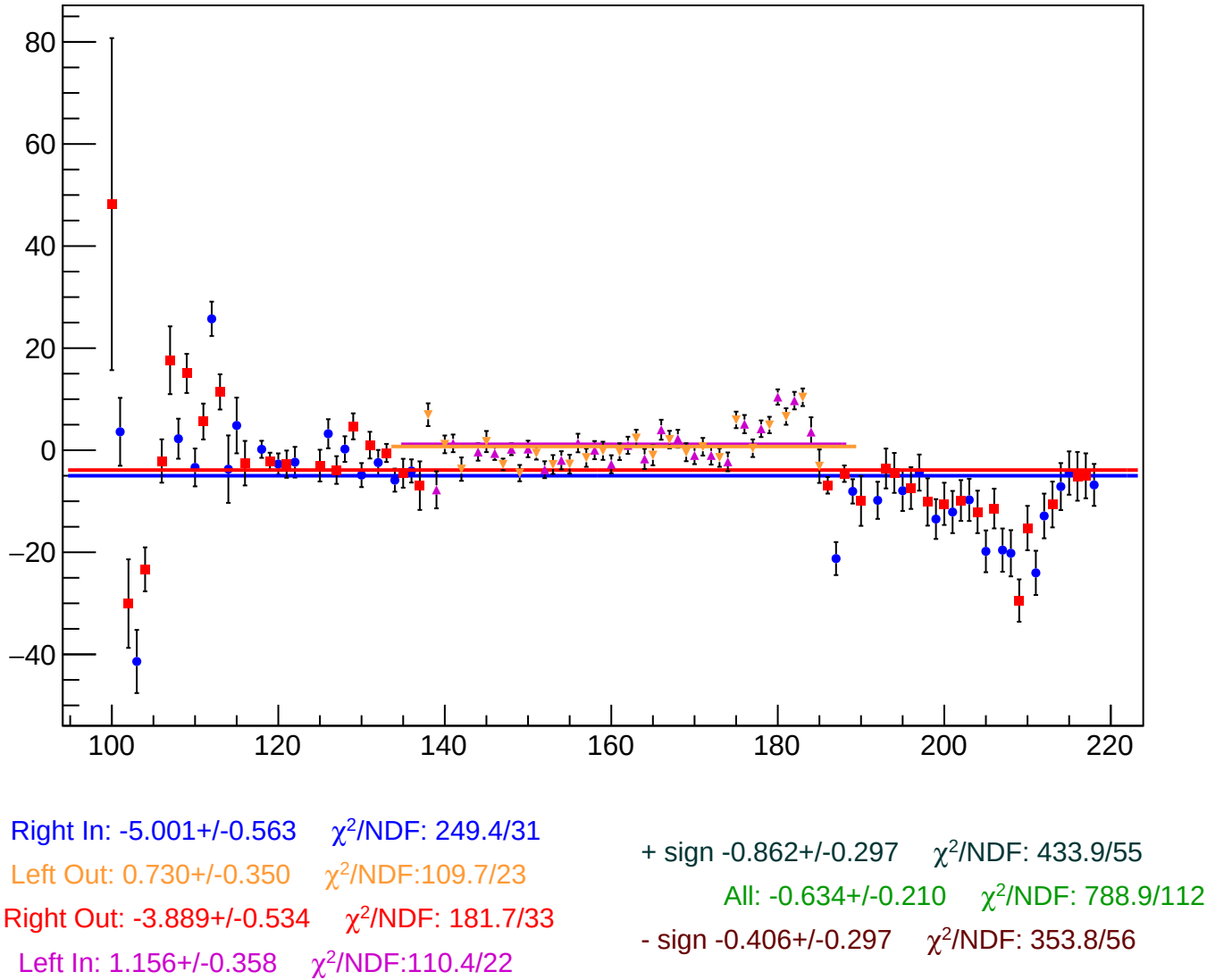
Right Out: 51.889+/-0.443 χ^2/NDF: 8741.4/33

Left In: 9.676+/-0.462 χ^2/NDF:246.7/22

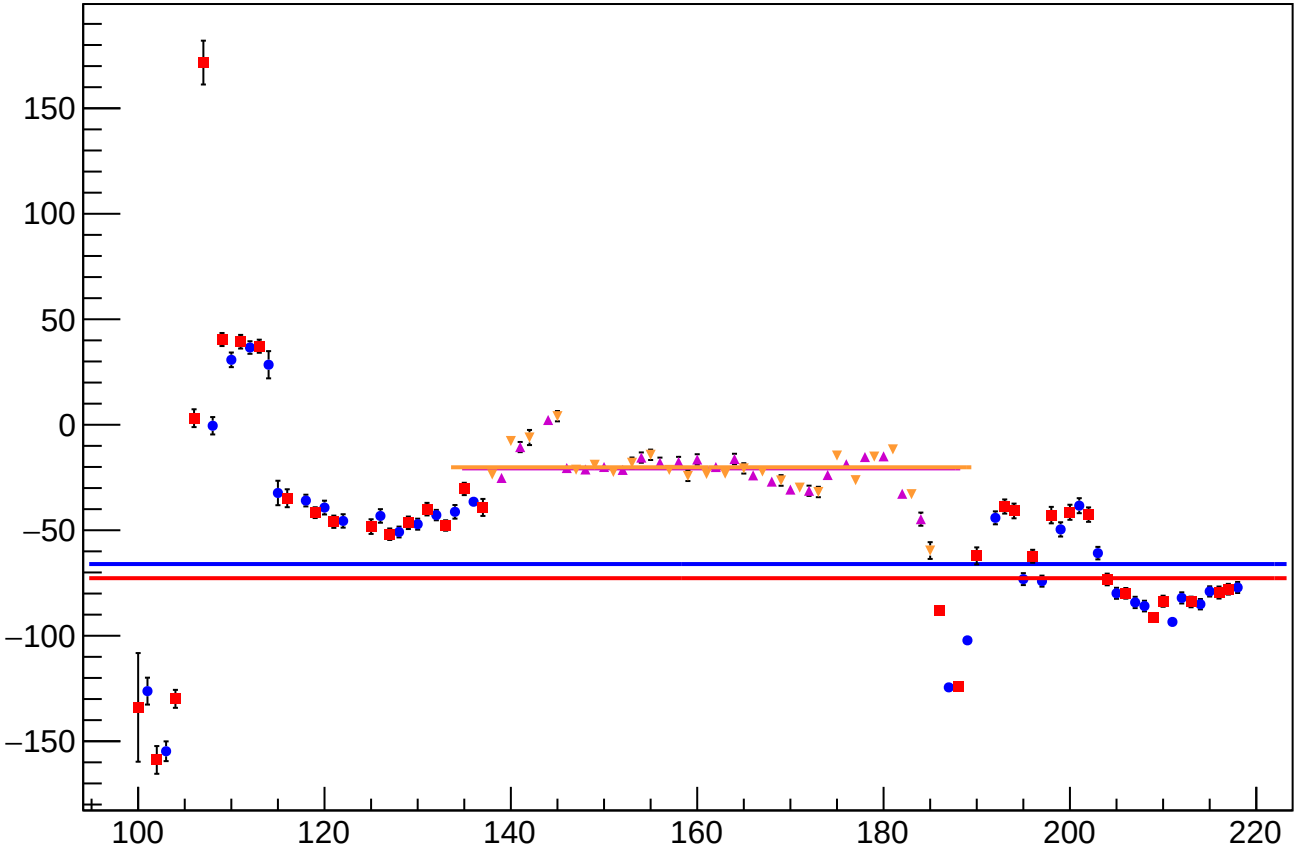
+ sign 28.439+/-0.328 χ^2/NDF: 9382.5/55

All: 30.103+/-0.229 χ^2/NDF: 22766.4/112

- sign 31.684+/-0.320 χ^2/NDF: 13333.8/56


reg_asym_us_dd_at1lr_dd_avg_diff_bpm4aY_slope vs Slug
80
60
40
20
0
−20
−40
100
120
140
160
180
200
220
Right In: -5.001+/-0.563 χ²/NDF: 249.4/31
Left Out: 0.730+/-0.350 χ²/NDF:109.7/23
Right Out: -3.889+/-0.534 χ²/NDF: 181.7/33
Left In: 1.156+/-0.358 χ²/NDF:110.4/22
+ sign -0.862+/-0.297 χ²/NDF: 433.9/55
All: -0.634+/-0.210 χ²/NDF: 788.9/112
- sign -0.406+/-0.297 χ²/NDF: 353.8/56

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4eX_slope vs Slug



Right In: -66.020+/-0.487 χ^2/NDF: 5922.1/31

Left Out: -20.151+/-0.452 χ^2/NDF:420.3/23

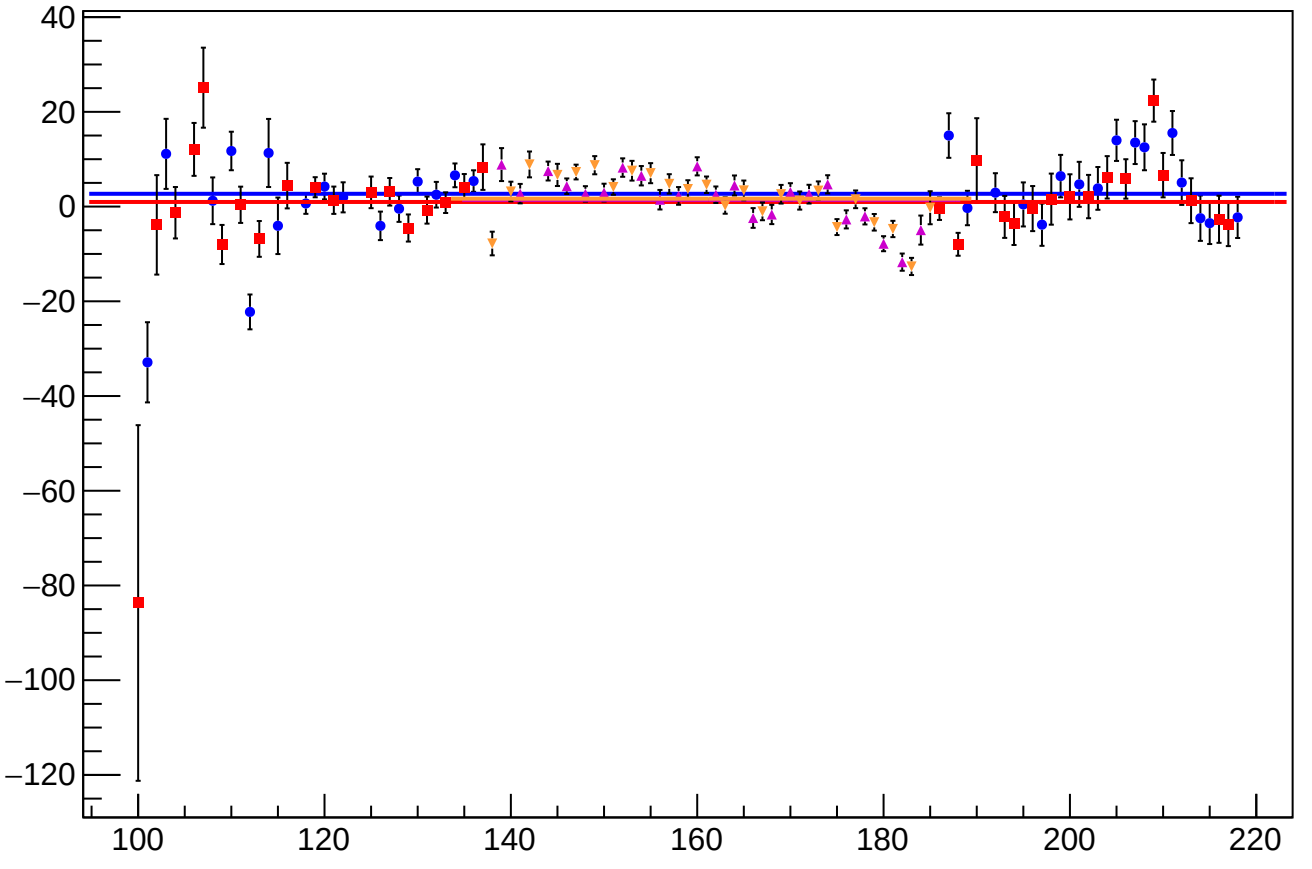
Right Out: -72.716+/-0.437 χ^2/NDF: 9792.2/33

Left In: -20.683+/-0.458 χ^2/NDF:310.5/22

\+ sign -41.393+/-0.332 χ^2/NDF: 11102.5/55

All: -44.802+/-0.229 χ^2/NDF: 28169.5/112

\- sign -47.900+/-0.316 χ^2/NDF: 16865.1/56



Right In: 2.698+/-0.649 χ^2/NDF: 124.8/31

Left Out: 1.671+/-0.395 χ^2/NDF:178.0/23

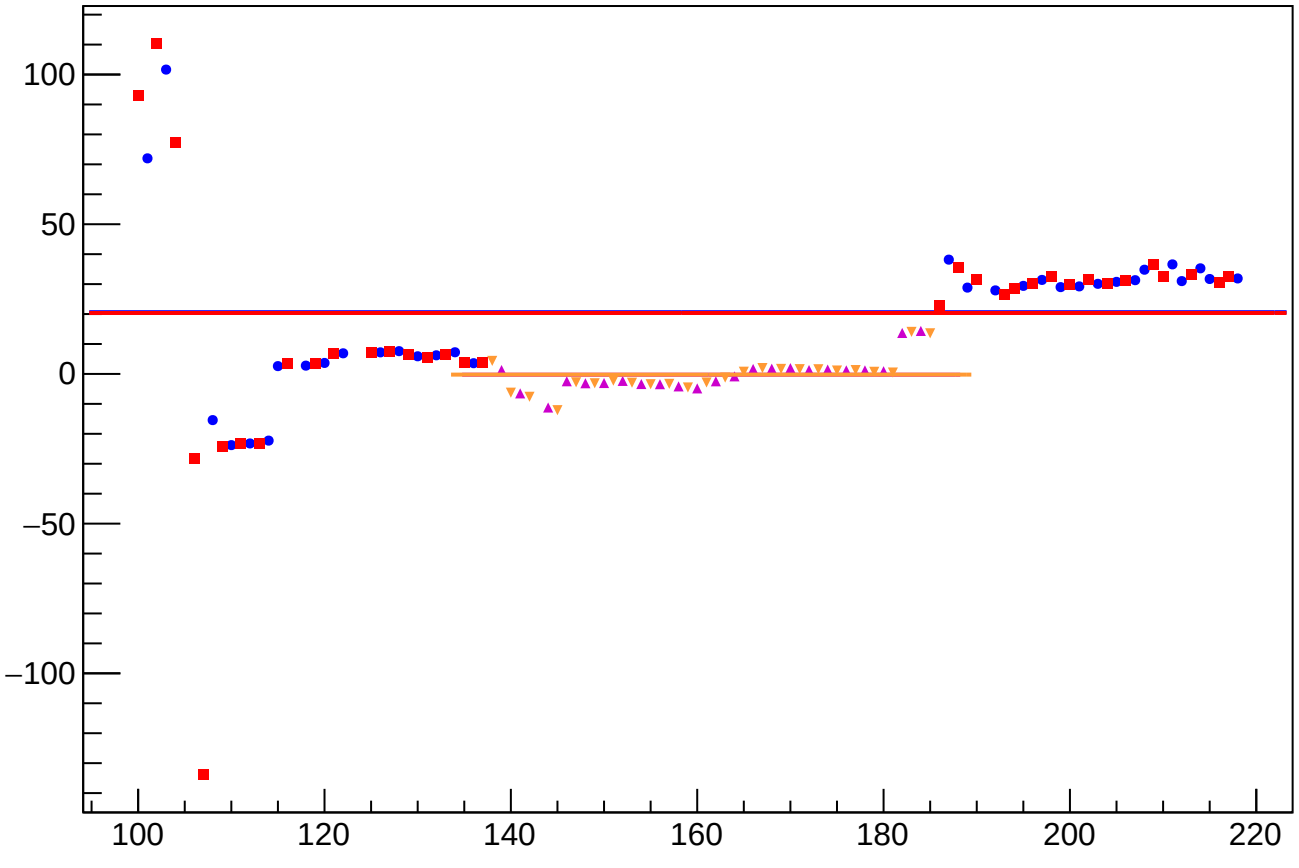
Right Out: 0.972+/-0.636 χ^2/NDF: 83.5/33

Left In: 1.428+/-0.403 χ^2/NDF:162.8/22

\+ sign 1.949+/-0.337 χ^2/NDF: 304.6/55

All: 1.626+/-0.239 χ^2/NDF: 553.0/112

\- sign 1.298+/-0.340 χ^2/NDF: 246.6/56



Right In: 20.620+/-0.032 χ^2/NDF: 437033.0/31

Left Out: -0.229+/-0.018 χ^2/NDF:80976.2/23

Right Out: 20.357+/-0.033 χ^2/NDF: 605901.6/33

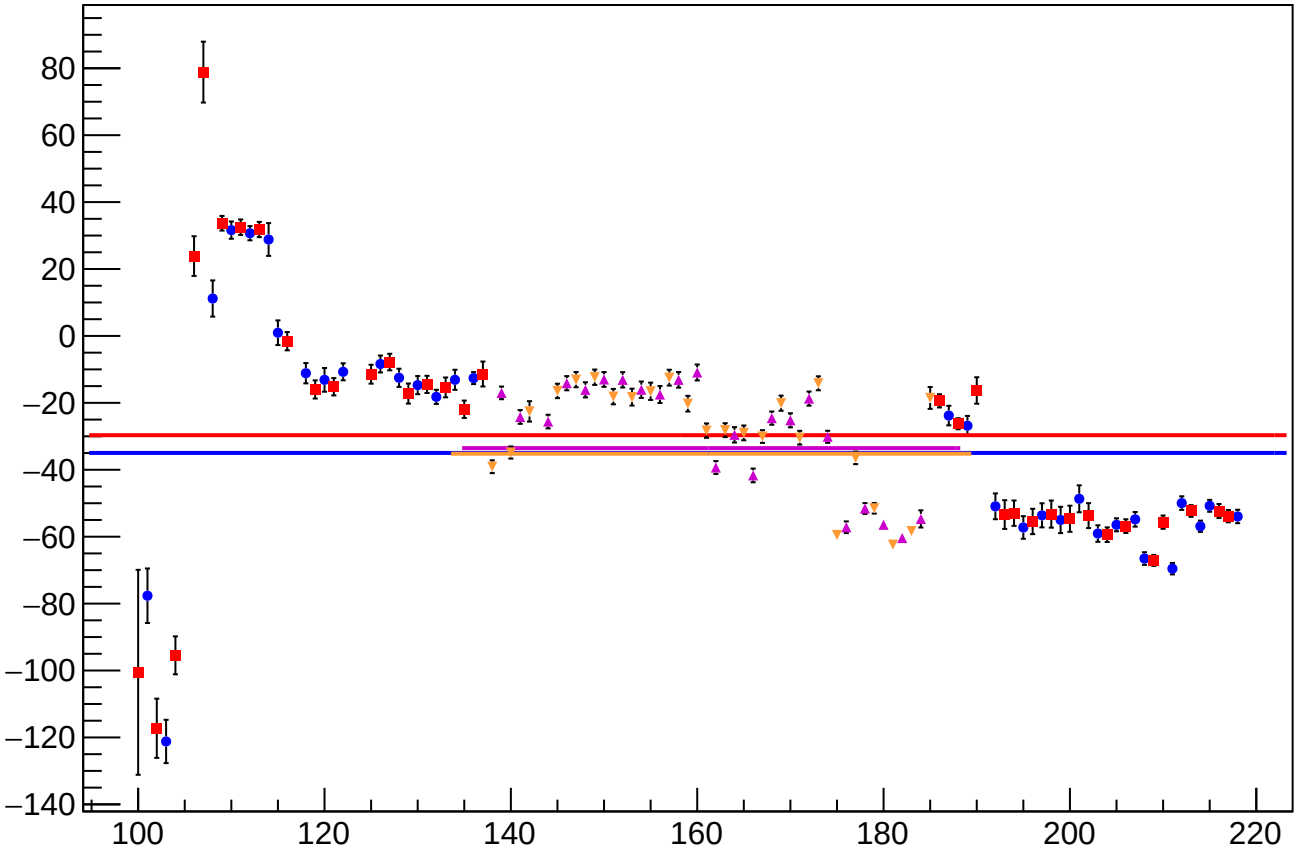
Left In: -0.270+/-0.018 χ^2/NDF:72783.3/22

+ sign 4.548+/-0.015 χ^2/NDF: 838195.4/55

All: 4.505+/-0.011 χ^2/NDF: 1827076.2/112

- sign 4.462+/-0.016 χ^2/NDF: 988865.3/56

reg_asym_us_dd_at1lr_dd_dd_diff_bpm1X_slope vs Slug



Right In: -34.967+/-0.448 χ^2/NDF: 4391.5/31

Left Out: -35.201+/-0.408 χ^2/NDF:1850.7/23

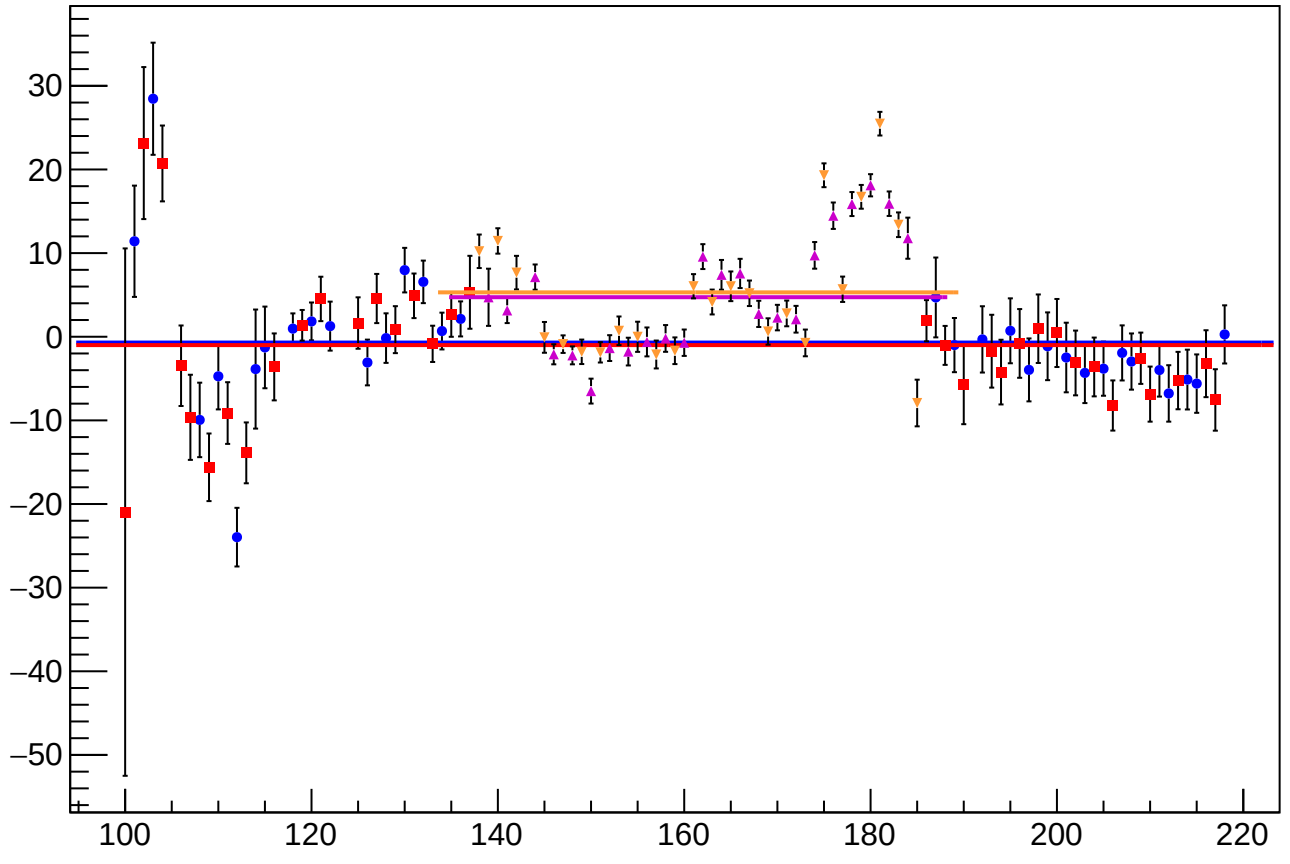
Right Out: -29.670+/-0.448 χ^2/NDF: 4926.5/33

Left In: -33.528+/-0.414 χ^2/NDF:1806.1/22

+ sign -35.094+/-0.302 χ^2/NDF: 6242.4/55

All: -33.436+/-0.214 χ^2/NDF: 13076.0/112

- sign -31.753+/-0.304 χ^2/NDF: 6772.7/56



Right In: -0.696+/-0.565 χ^2/NDF: 108.9/31

Left Out: 5.307+/-0.315 χ^2/NDF:624.4/23

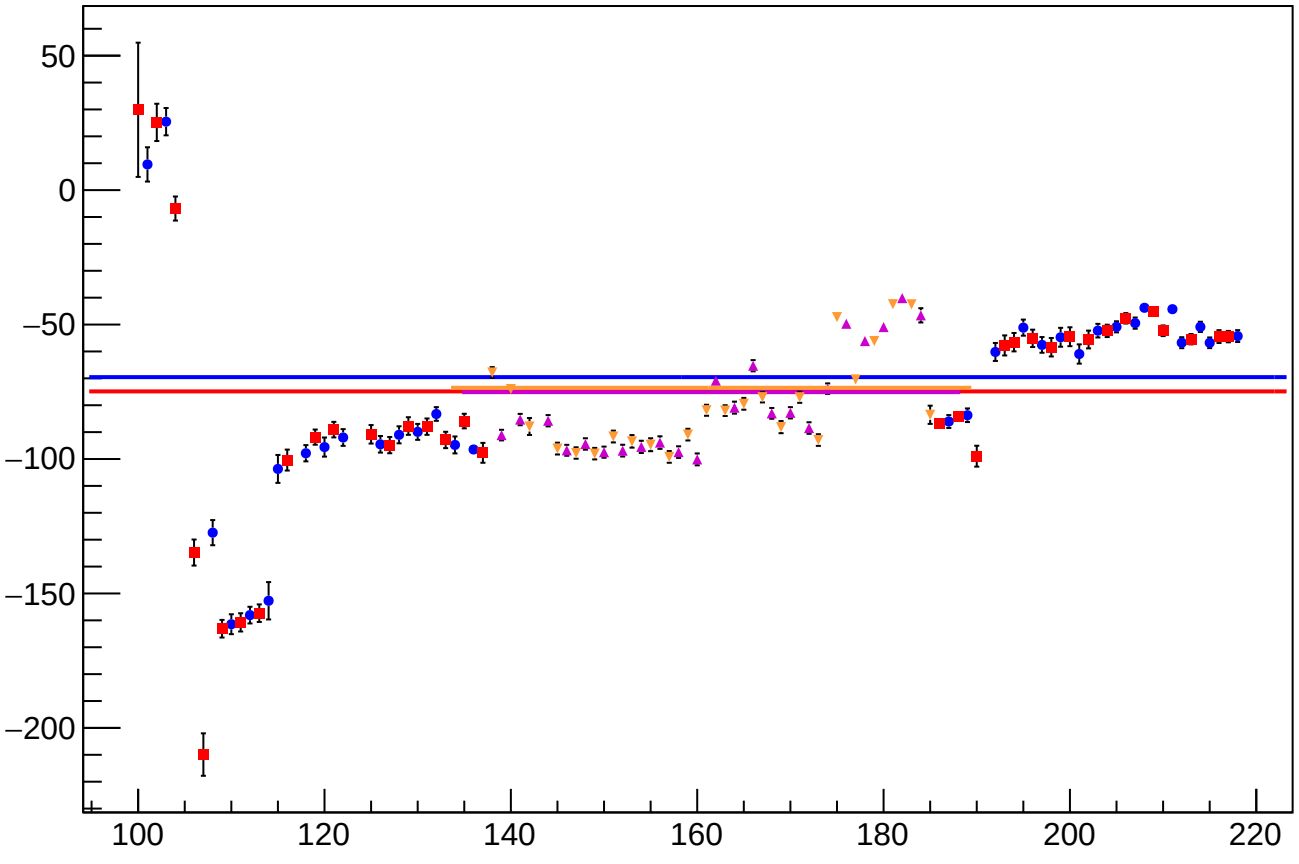
Right Out: -0.999+/-0.566 χ^2/NDF: 102.7/33

Left In: 4.727+/-0.321 χ^2/NDF:496.0/22

+ sign 3.883+/-0.275 χ^2/NDF: 819.4/55

All: 3.611+/-0.196 χ^2/NDF: 1497.5/112

- sign 3.331+/-0.279 χ^2/NDF: 676.1/56



Right In: -69.548+/-0.469 χ^2/NDF: 3958.3/31

Left Out: -73.506+/-0.405 χ^2/NDF:2392.0/23

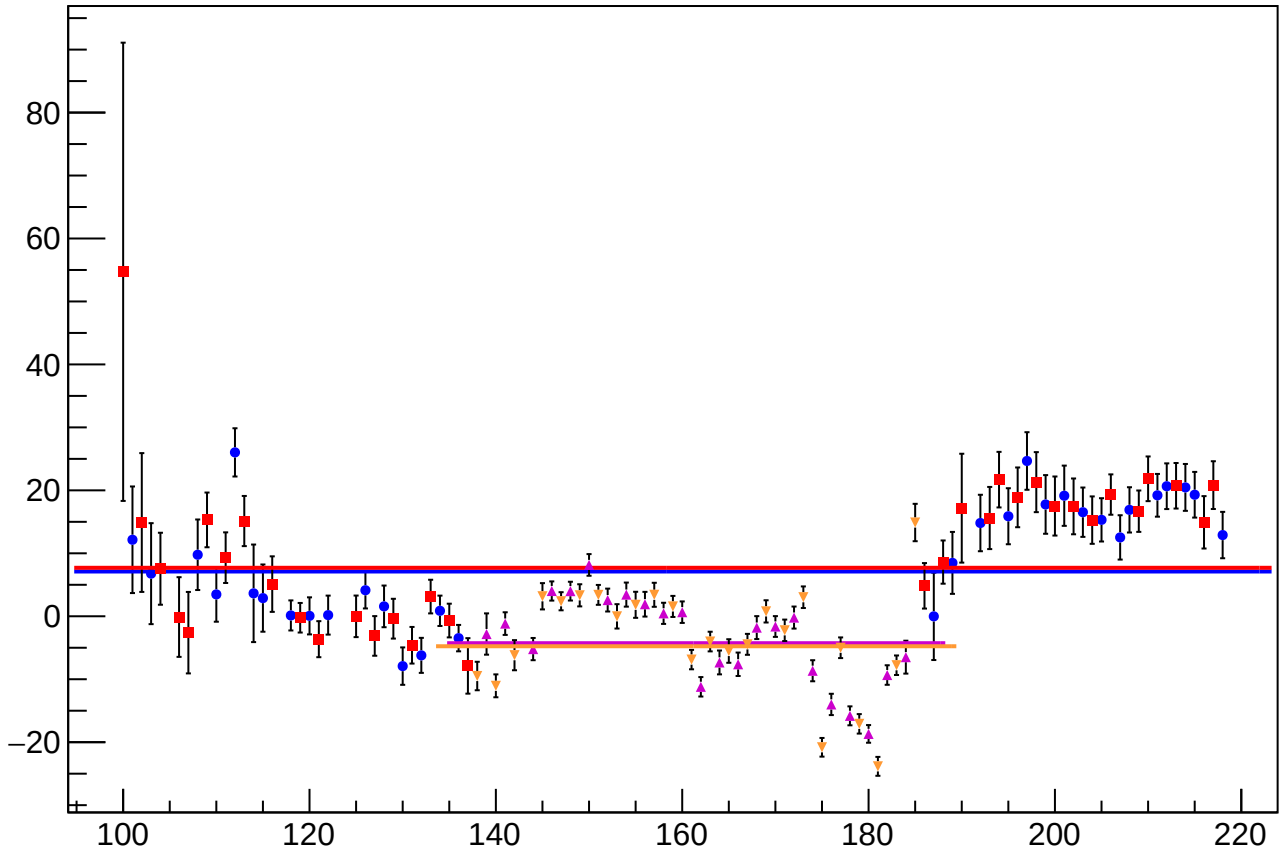
Right Out: -74.852+/-0.461 χ^2/NDF: 4528.5/33

Left In: -75.133+/-0.410 χ^2/NDF:2361.9/22

+ sign -71.815+/-0.307 χ^2/NDF: 6391.0/55

All: -73.414+/-0.217 χ^2/NDF: 13335.9/112

- sign -75.009+/-0.306 χ^2/NDF: 6890.6/56



Right In: 7.111+/-0.636 χ^2/NDF: 239.1/31

Left Out: -4.762+/-0.355 χ^2/NDF:576.9/23

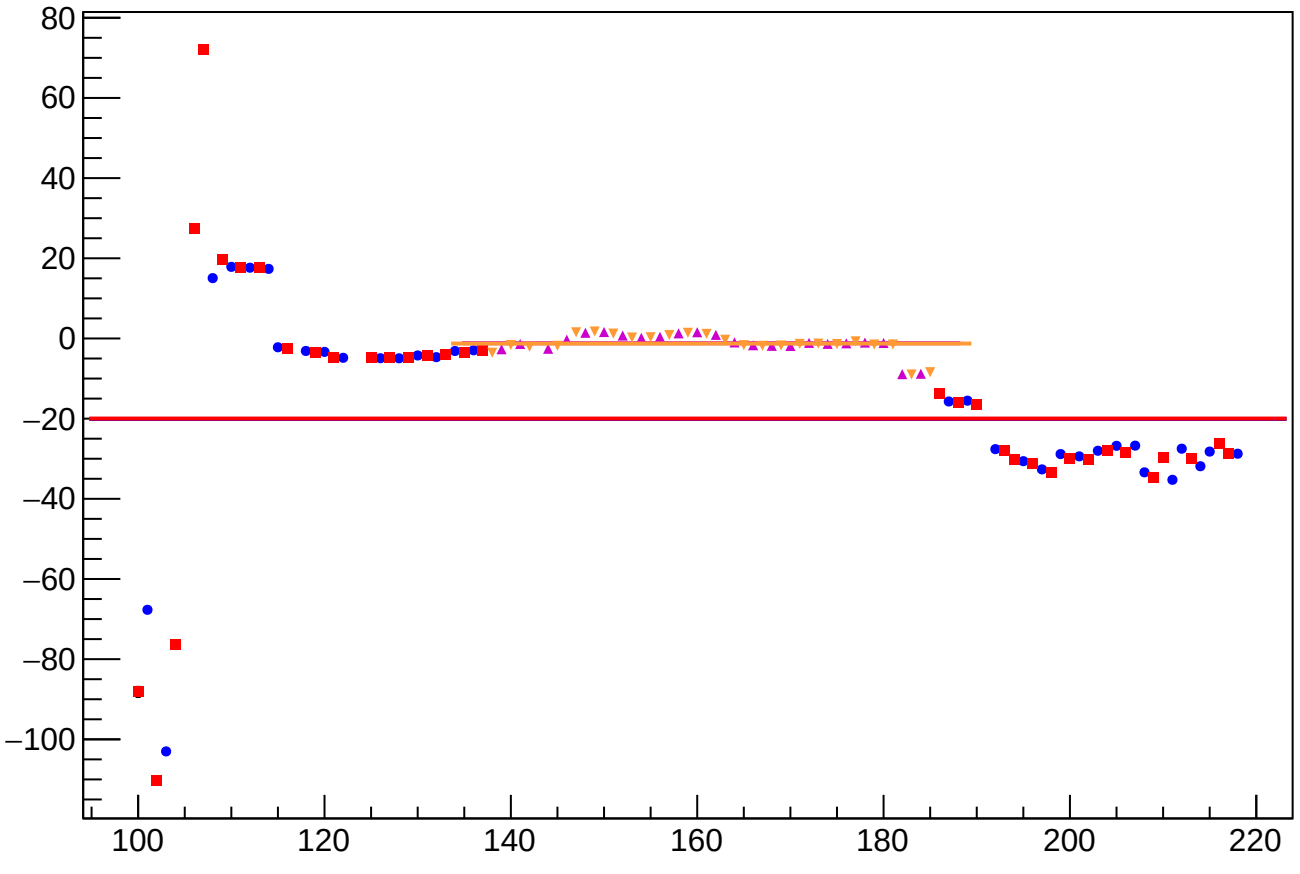
Right Out: 7.699+/-0.651 χ^2/NDF: 213.2/33

Left In: -4.278+/-0.361 χ^2/NDF:424.1/22

\+ sign -1.942+/-0.310 χ^2/NDF: 1082.0/55

All: -1.707+/-0.221 χ^2/NDF: 1979.5/112

\- sign -1.462+/-0.316 χ^2/NDF: 896.3/56



Right In: -20.078+/-0.031 χ^2/NDF: 398040.5/31

Left Out: -1.267+/-0.016 χ^2/NDF:25091.1/23

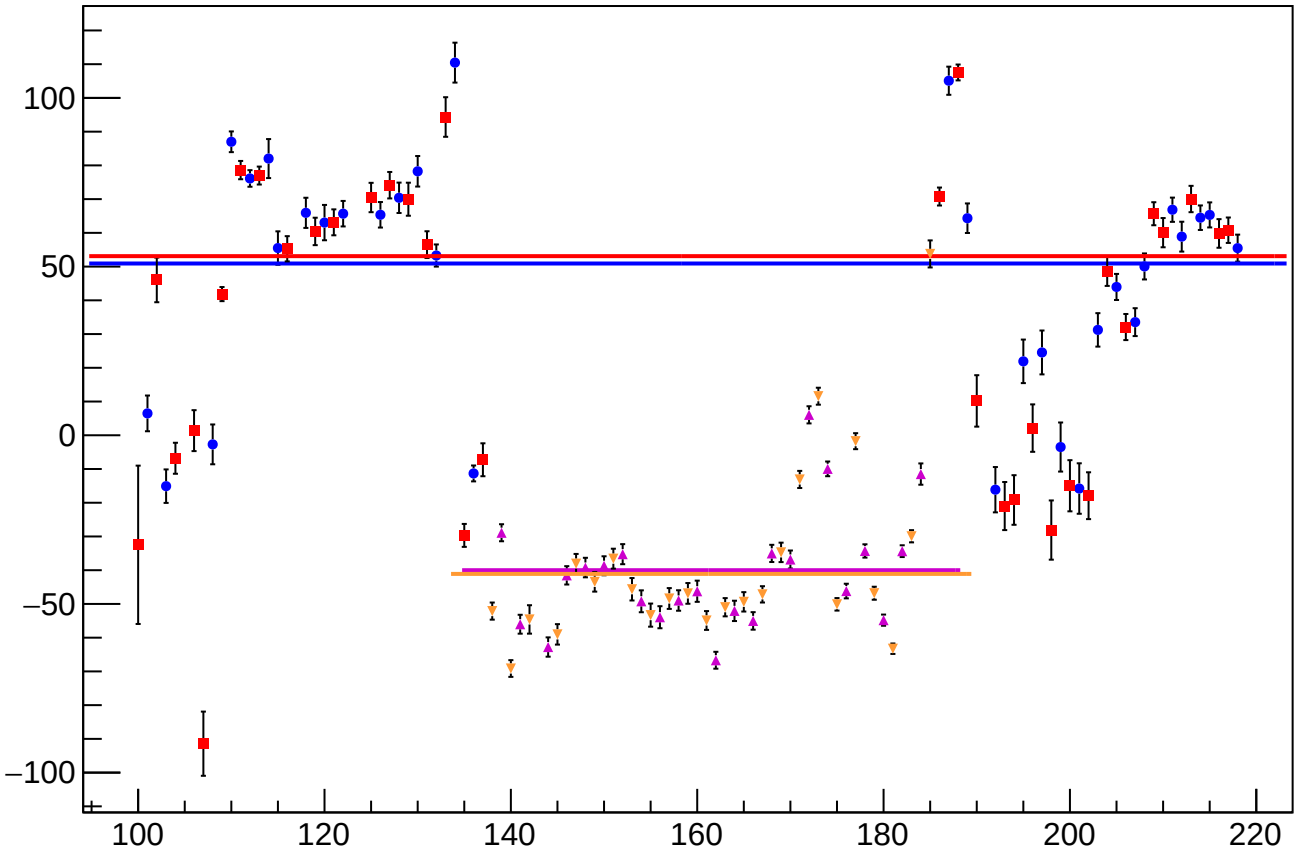
Right Out: -19.988+/-0.032 χ^2/NDF: 483389.0/33

Left In: -1.180+/-0.016 χ^2/NDF:24754.1/22

+ sign -5.208+/-0.014 χ^2/NDF: 717731.6/55

All: -5.085+/-0.010 χ^2/NDF: 1505258.4/112

- sign -4.959+/-0.014 χ^2/NDF: 787372.1/56



Right In: 50.915+/-0.733 χ^2/NDF: 2043.4/31

Left Out: -41.097+/-0.517 χ^2/NDF:1948.2/23

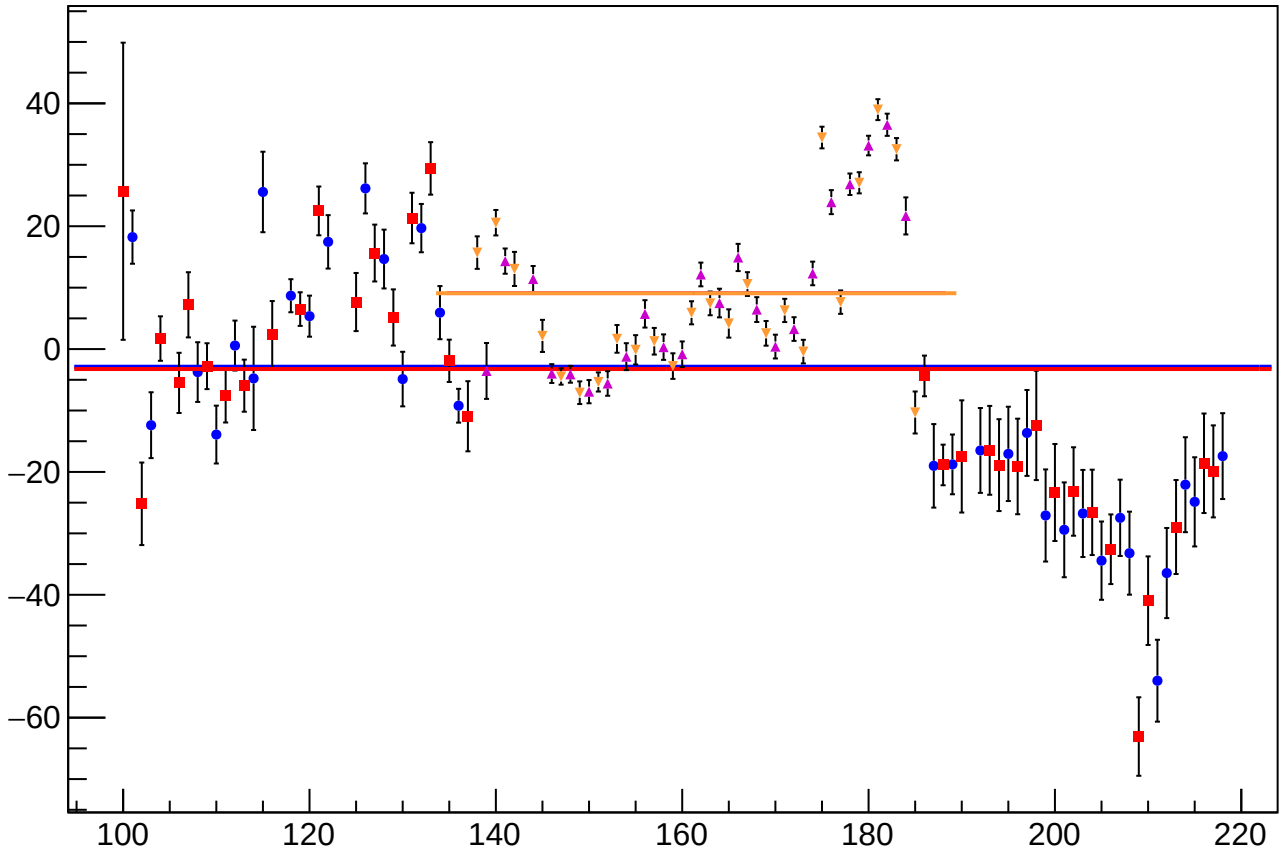
Right Out: 53.096+/-0.691 χ^2/NDF: 2760.0/33

Left In: -40.000+/-0.524 χ^2/NDF:1031.8/22

\+ sign -10.493+/-0.423 χ^2/NDF: 14512.3/55

All: -8.213+/-0.297 χ^2/NDF: 29881.9/112

\- sign -5.986+/-0.418 χ^2/NDF: 15312.0/56



Right In: -2.873+/-0.875 χ^2/NDF: 424.5/31

Left Out: 9.094+/-0.401 χ^2/NDF:1253.7/23

Right Out: -3.246+/-0.846 χ^2/NDF: 421.6/33

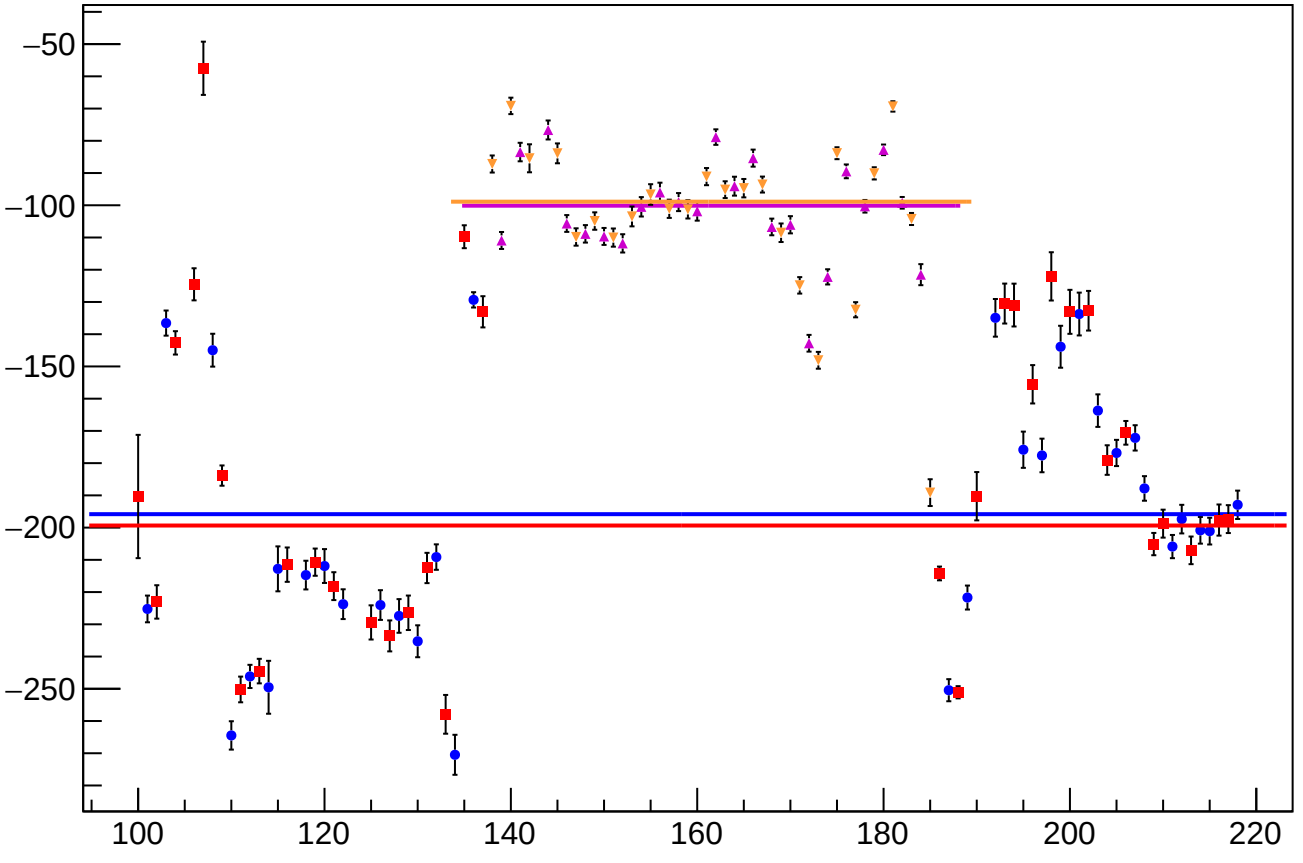
Left In: 9.121+/-0.409 χ^2/NDF:1051.8/22

+ sign 7.016+/-0.365 χ^2/NDF: 1832.7/55

All: 6.898+/-0.259 χ^2/NDF: 3479.6/112

- sign 6.777+/-0.368 χ^2/NDF: 1646.7/56

reg_asym_us_dd_at2lr_dd_avg_diff_bpm4eX_slope vs Slug



Right In: -195.830+/-0.771 χ^2/NDF: 2710.3/31

Left Out: -98.883+/-0.514 χ^2/NDF:1824.5/23

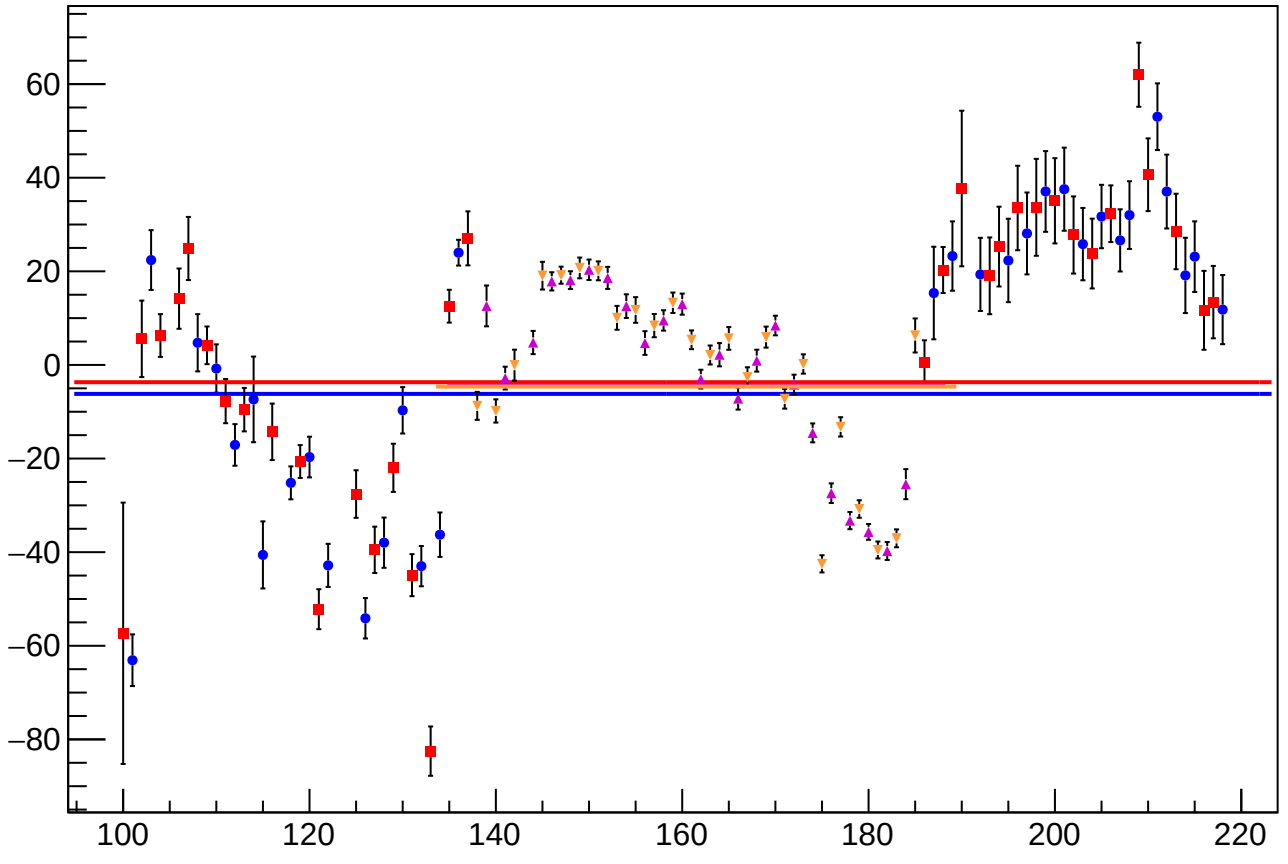
Right Out: -199.354+/-0.721 χ^2/NDF: 3664.2/33

Left In: -100.127+/-0.520 χ^2/NDF:823.2/22

+ sign -128.733+/-0.428 χ^2/NDF: 15482.0/55

All: -131.455+/-0.300 χ^2/NDF: 32513.0/112

- sign -134.102+/-0.422 χ^2/NDF: 16951.1/56



Right In: -6.185+/-0.996 χ^2/NDF: 990.9/31

Left Out: -4.618+/-0.451 χ^2/NDF:2078.3/23

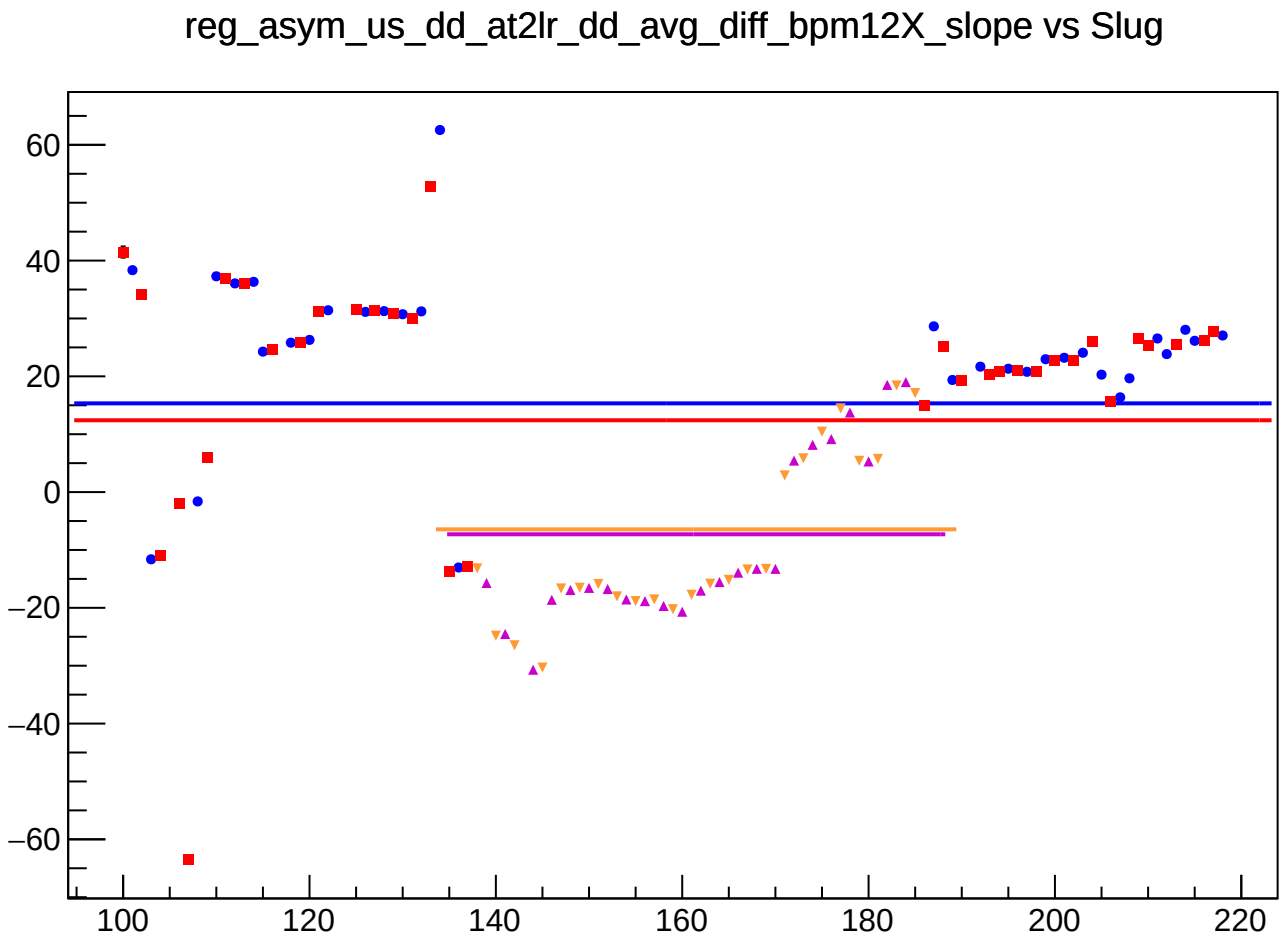
Right Out: -3.688+/-0.983 χ^2/NDF: 951.9/33

Left In: -4.328+/-0.459 χ^2/NDF:1854.2/22

+ sign -4.885+/-0.411 χ^2/NDF: 3071.2/55

All: -4.553+/-0.292 χ^2/NDF: 5878.9/112

- sign -4.214+/-0.416 χ^2/NDF: 2806.4/56



Right In: 15.331+/-0.049 χ^2/NDF: 179891.5/31

Left Out: -6.437+/-0.020 χ^2/NDF:496714.6/23

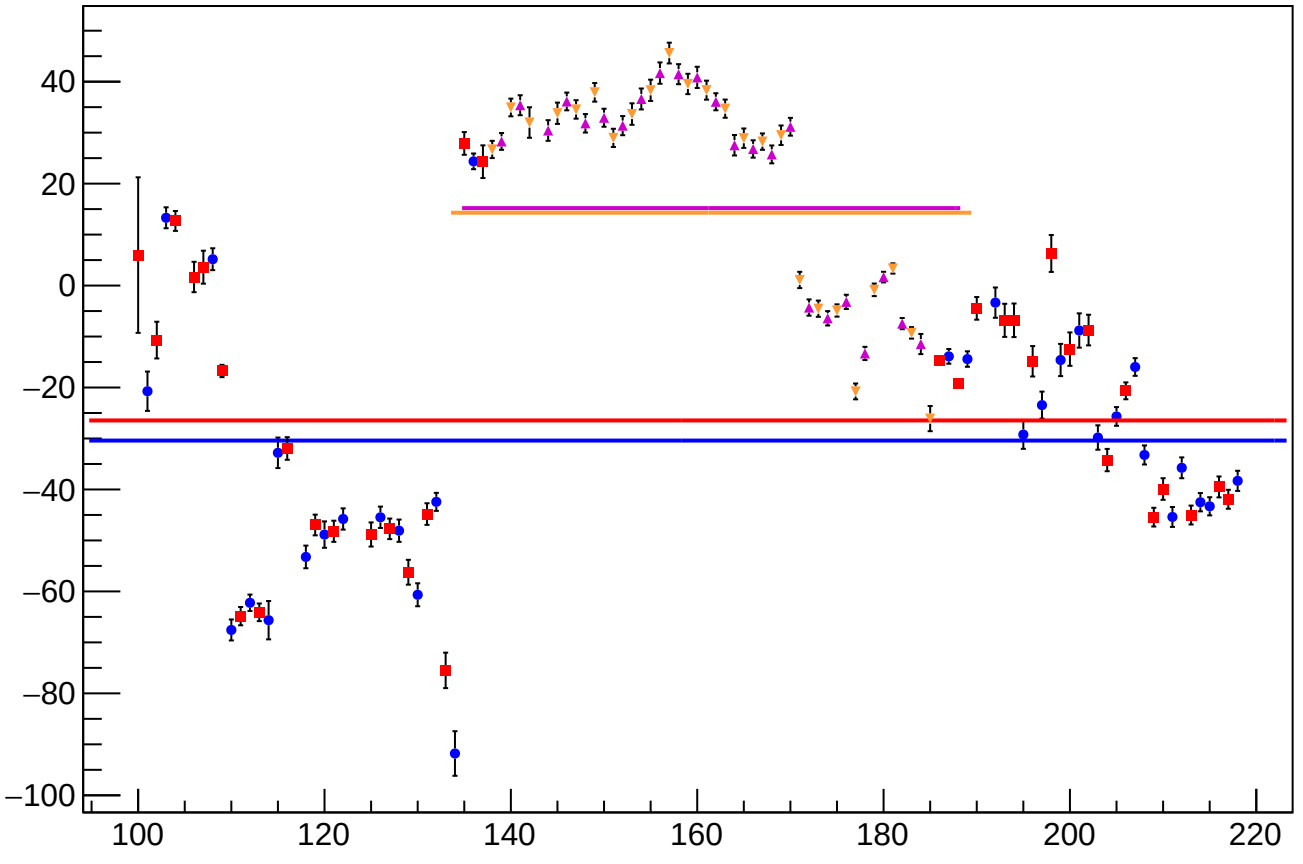
Right Out: 12.408+/-0.049 χ^2/NDF: 184704.7/33

Left In: -7.292+/-0.020 χ^2/NDF:488261.5/22

+ sign -3.235+/-0.019 χ^2/NDF: 847526.0/55

All: -3.798+/-0.013 χ^2/NDF: 1662234.0/112

- sign -4.365+/-0.019 χ^2/NDF: 812881.8/56



Right In: -30.407+/-0.370 χ^2/NDF: 4207.1/31

Left Out: 14.295+/-0.335 χ^2/NDF:3726.3/23

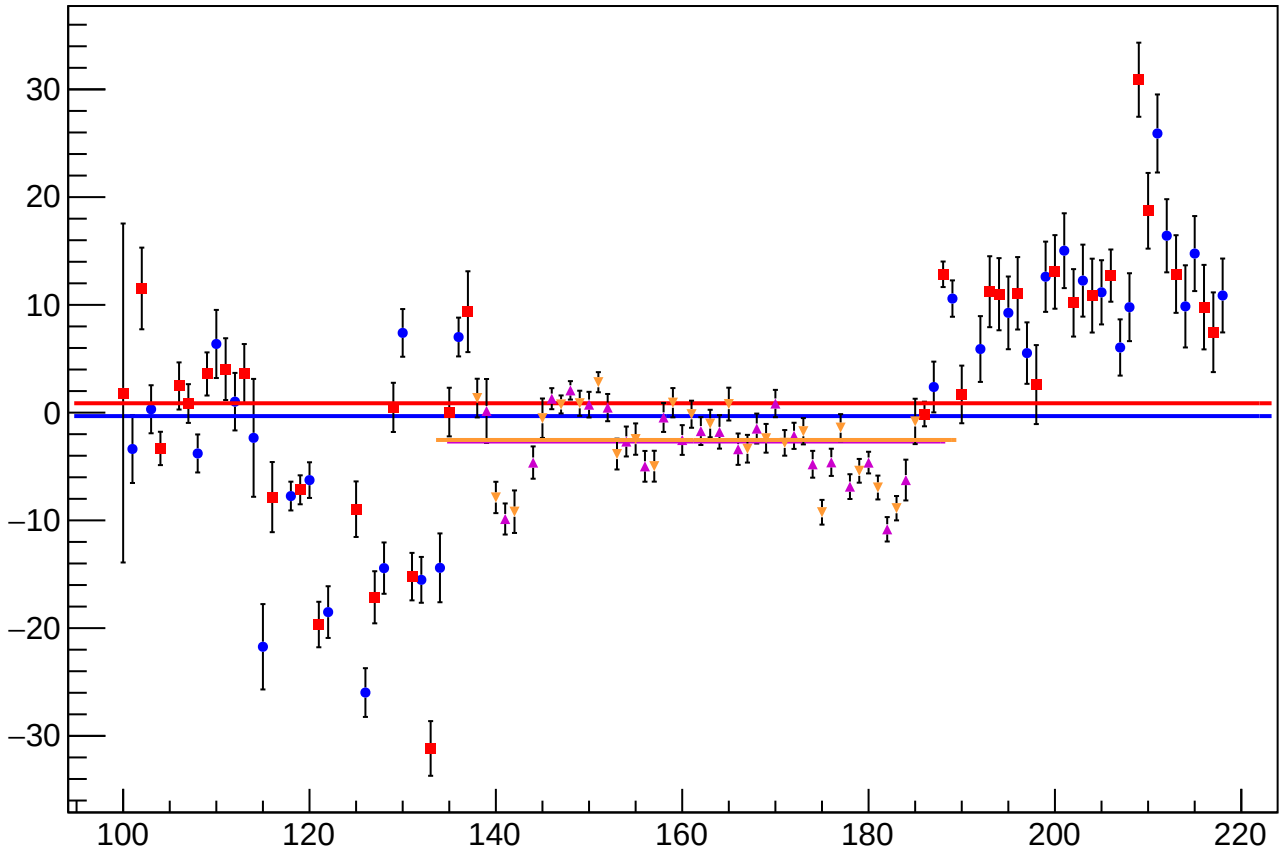
Right Out: -26.460+/-0.333 χ^2/NDF: 4217.8/33

Left In: 15.194+/-0.339 χ^2/NDF:3406.6/22

+ sign -5.837+/-0.249 χ^2/NDF: 15942.8/55

All: -5.923+/-0.172 χ^2/NDF: 31231.1/112

- sign -6.001+/-0.238 χ^2/NDF: 15288.0/56



Right In: -0.322+/-0.441 χ^2/NDF: 656.5/31

Left Out: -2.538+/-0.259 χ^2/NDF:198.4/23

Right Out: 0.870+/-0.398 χ^2/NDF: 752.2/33

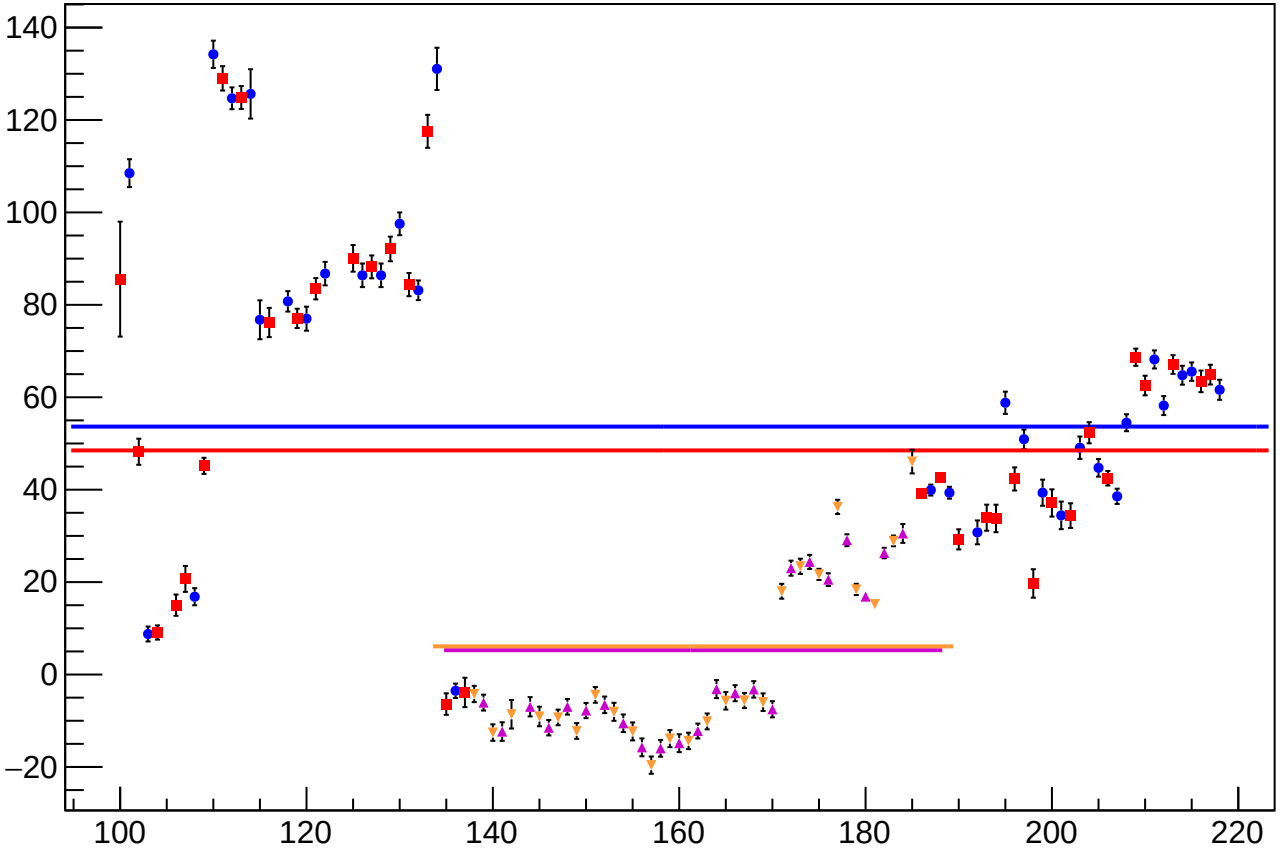
Left In: -2.681+/-0.265 χ^2/NDF:182.0/22

+ sign -1.970+/-0.223 χ^2/NDF: 873.7/55

All: -1.778+/-0.157 χ^2/NDF: 1864.5/112

- sign -1.591+/-0.220 χ^2/NDF: 989.4/56

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4eX_slope vs Slug



Right In: 53.654+/-0.371 χ^2/NDF: 6894.4/31

Left Out: 6.095+/-0.333 χ^2/NDF:2773.9/23

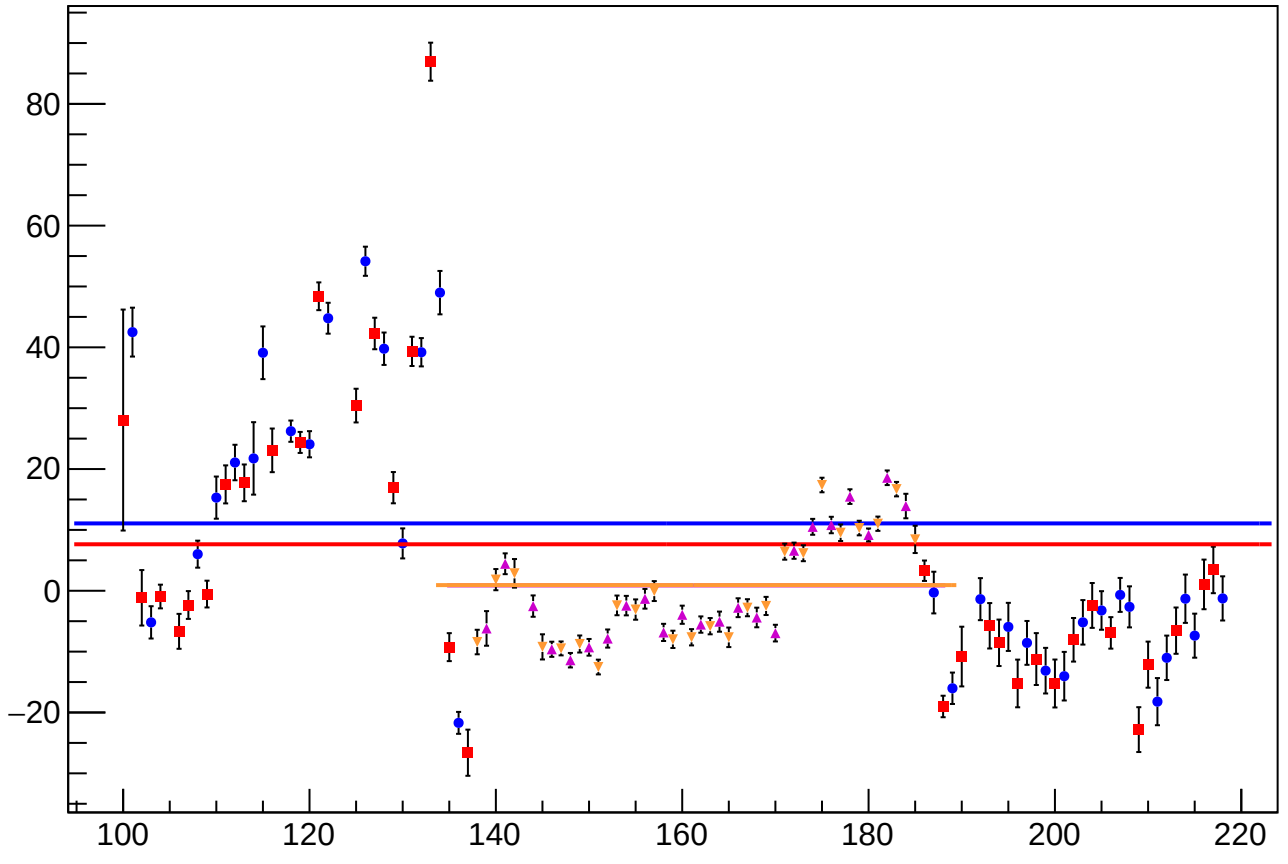
Right Out: 48.497+/-0.322 χ^2/NDF: 6350.3/33

Left In: 5.269+/-0.337 χ^2/NDF:2451.2/22

+ sign 27.279+/-0.248 χ^2/NDF: 18761.2/55

All: 27.571+/-0.170 χ^2/NDF: 36176.2/112

- sign 27.829+/-0.233 χ^2/NDF: 17412.4/56



Right In: 11.067+/-0.514 χ^2/NDF: 1961.9/31

Left Out: 0.929+/-0.292 χ^2/NDF:1041.7/23

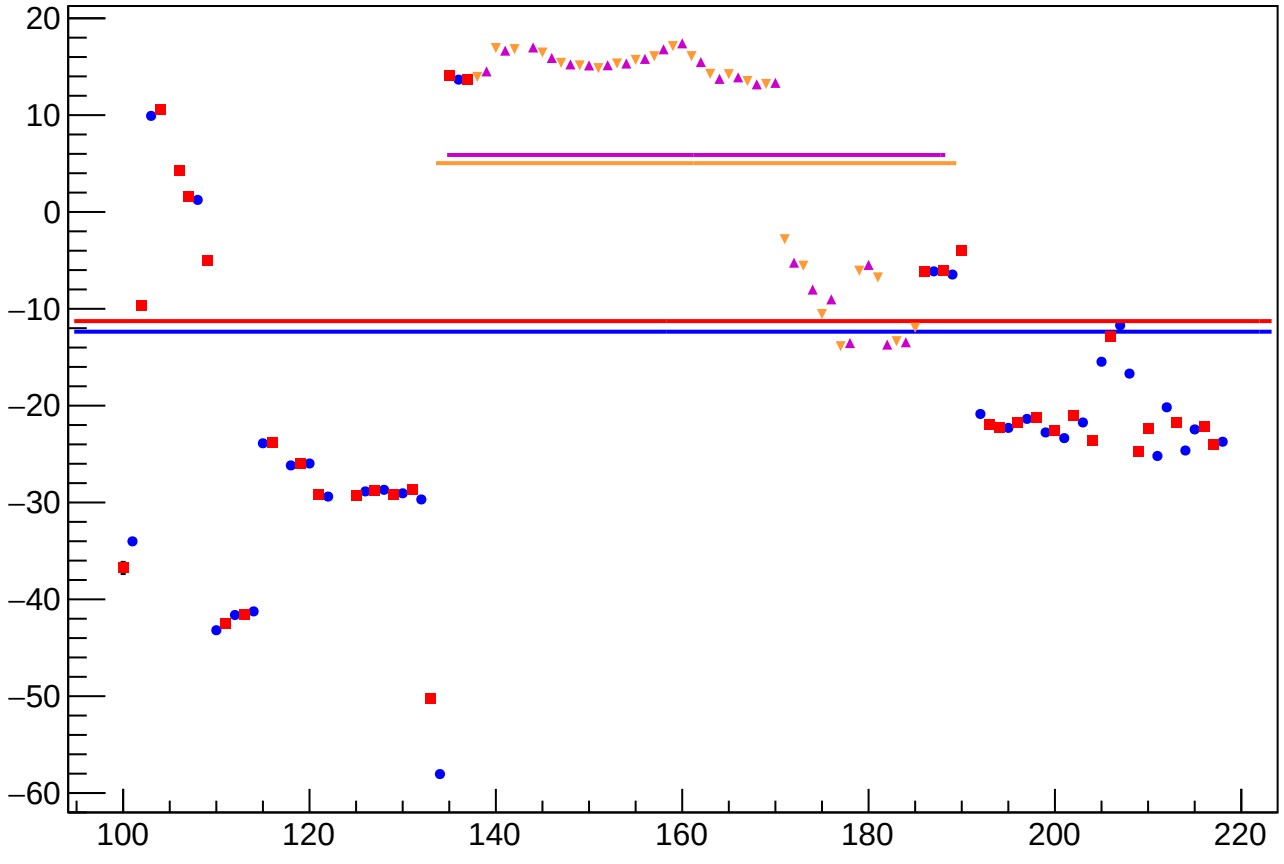
Right Out: 7.639+/-0.482 χ^2/NDF: 2286.0/33

Left In: 0.878+/-0.297 χ^2/NDF:1006.0/22

+ sign 3.399+/-0.254 χ^2/NDF: 3297.6/55

All: 3.068+/-0.179 χ^2/NDF: 6735.4/112

- sign 2.740+/-0.253 χ^2/NDF: 3434.5/56



Right In: -12.362+/-0.024 χ^2/NDF: 507170.9/31

Left Out: 5.042+/-0.013 χ^2/NDF:855564.2/23

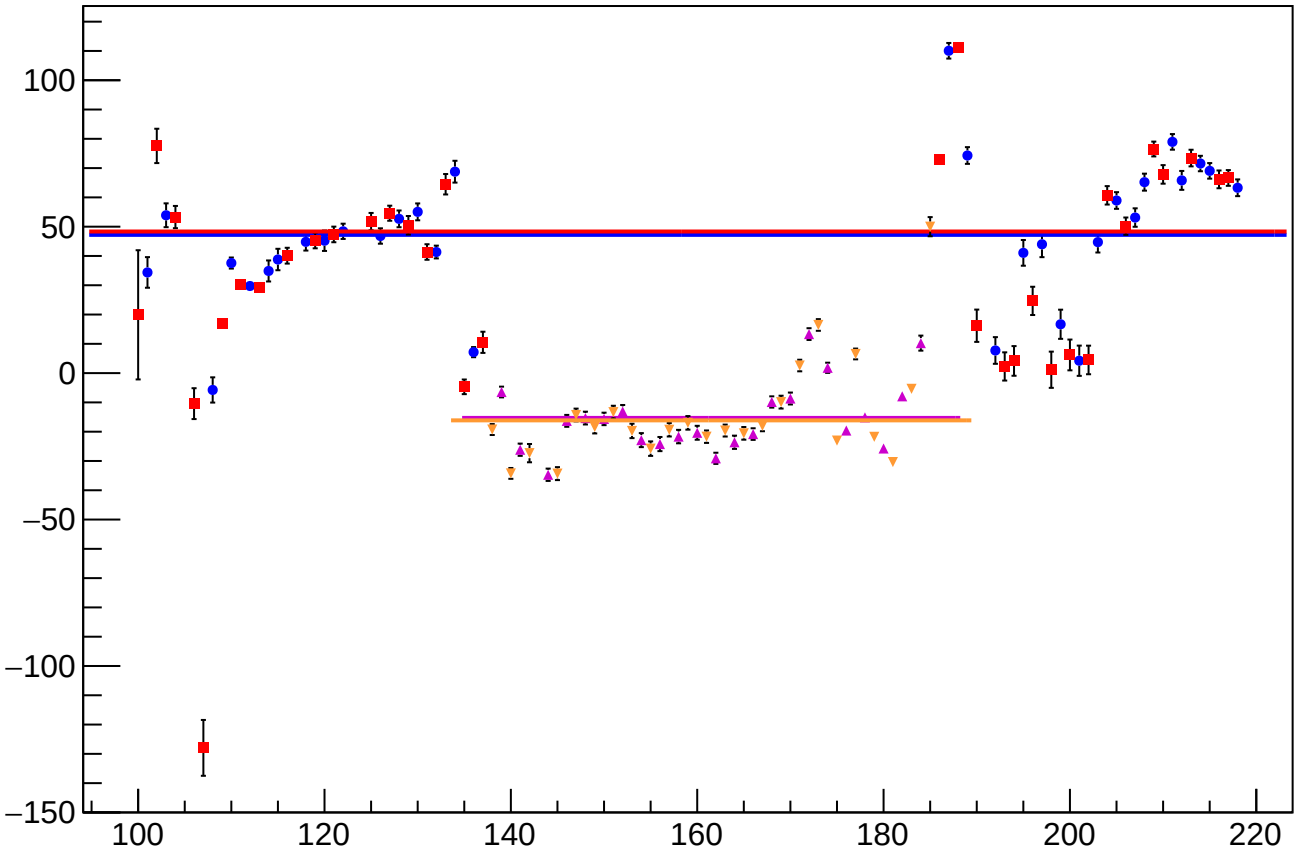
Right Out: -11.268+/-0.023 χ^2/NDF: 427563.9/33

Left In: 5.886+/-0.013 χ^2/NDF:846355.0/22

+ sign 1.001+/-0.011 χ^2/NDF: 1774980.4/55

All: 1.369+/-0.008 χ^2/NDF: 3462777.1/112

- sign 1.737+/-0.011 χ^2/NDF: 1685731.6/56



Right In: 47.207+/-0.508 χ^2/NDF: 2157.6/31

Left Out: -16.132+/-0.398 χ^2/NDF:1364.9/23

Right Out: 48.352+/-0.477 χ^2/NDF: 4466.5/33

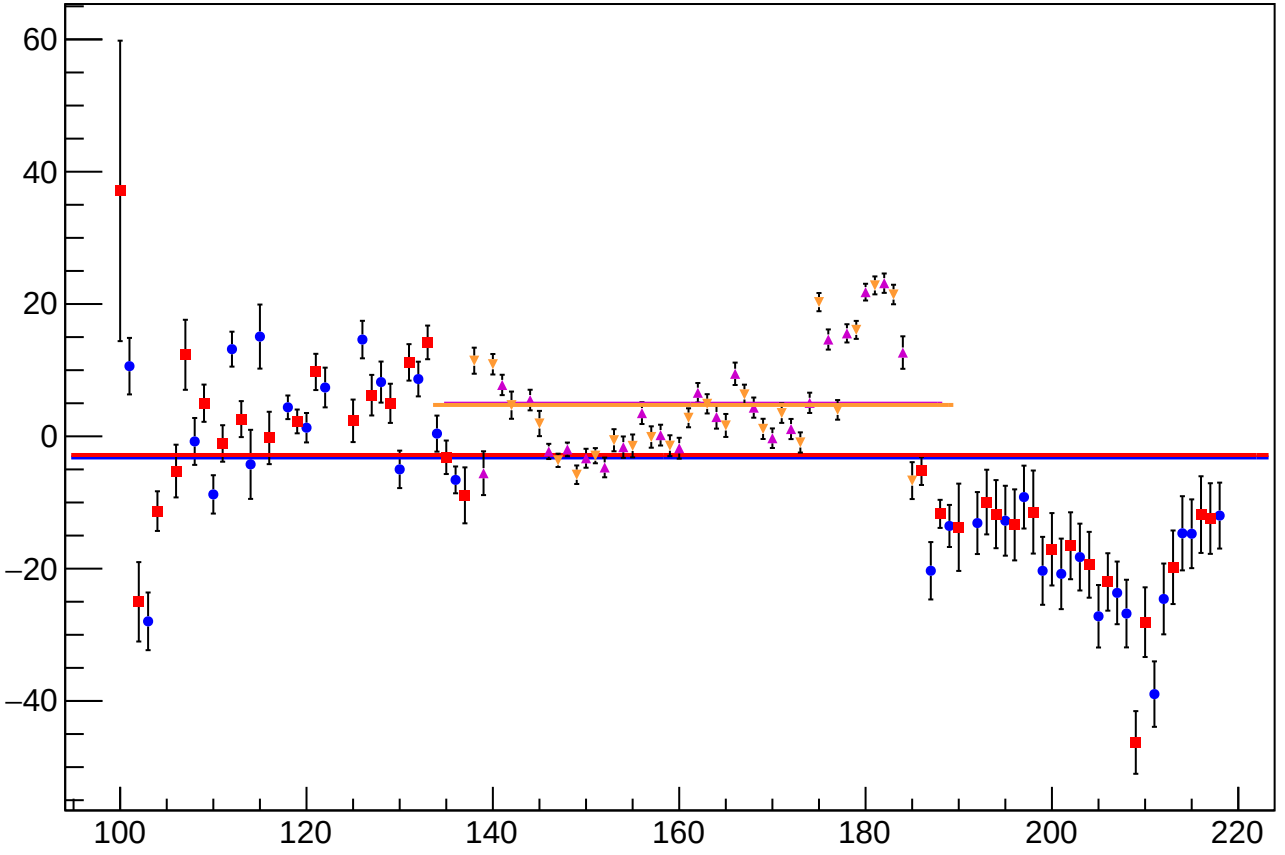
Left In: -15.295+/-0.403 χ^2/NDF:760.9/22

+ sign 7.973+/-0.313 χ^2/NDF: 13165.8/55

All: 9.633+/-0.220 χ^2/NDF: 28835.1/112

- sign 11.237+/-0.308 χ^2/NDF: 15614.1/56

reg_asym_us_dd_atlr_dd_avg_diff_bpm4aY_slope vs Slug



Right In: -3.195+/-0.605 χ^2/NDF: 425.3/31

Left Out: 4.745+/-0.307 χ^2/NDF:793.8/23

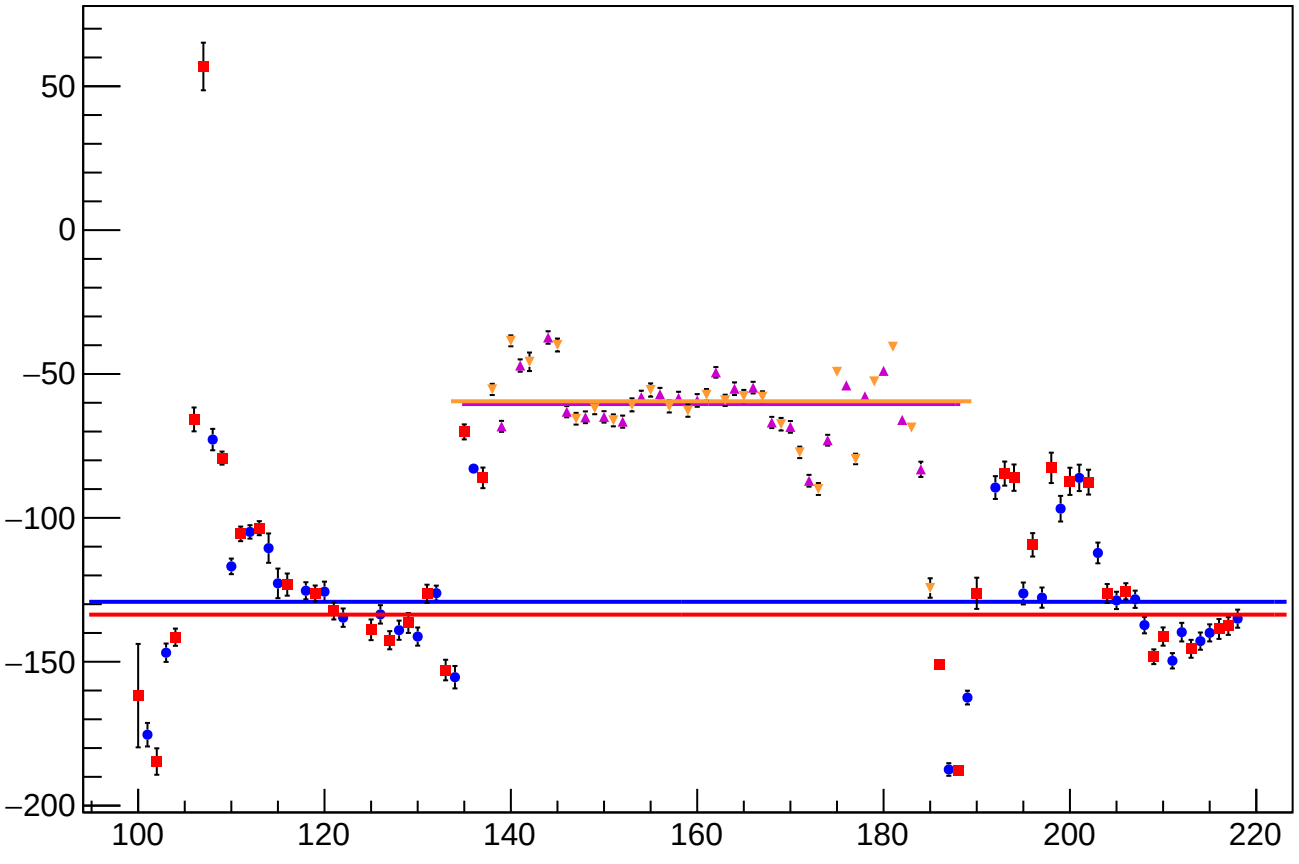
Right Out: -2.819+/-0.587 χ^2/NDF: 365.2/33

Left In: 4.935+/-0.313 χ^2/NDF:688.4/22

+ sign 3.122+/-0.273 χ^2/NDF: 1356.2/55

All: 3.168+/-0.194 χ^2/NDF: 2545.9/112

- sign 3.216+/-0.276 χ^2/NDF: 1189.6/56



Right In: -129.170+/-0.541 χ^2/NDF: 2588.3/31

Left Out: -59.480+/-0.395 χ^2/NDF:1372.3/23

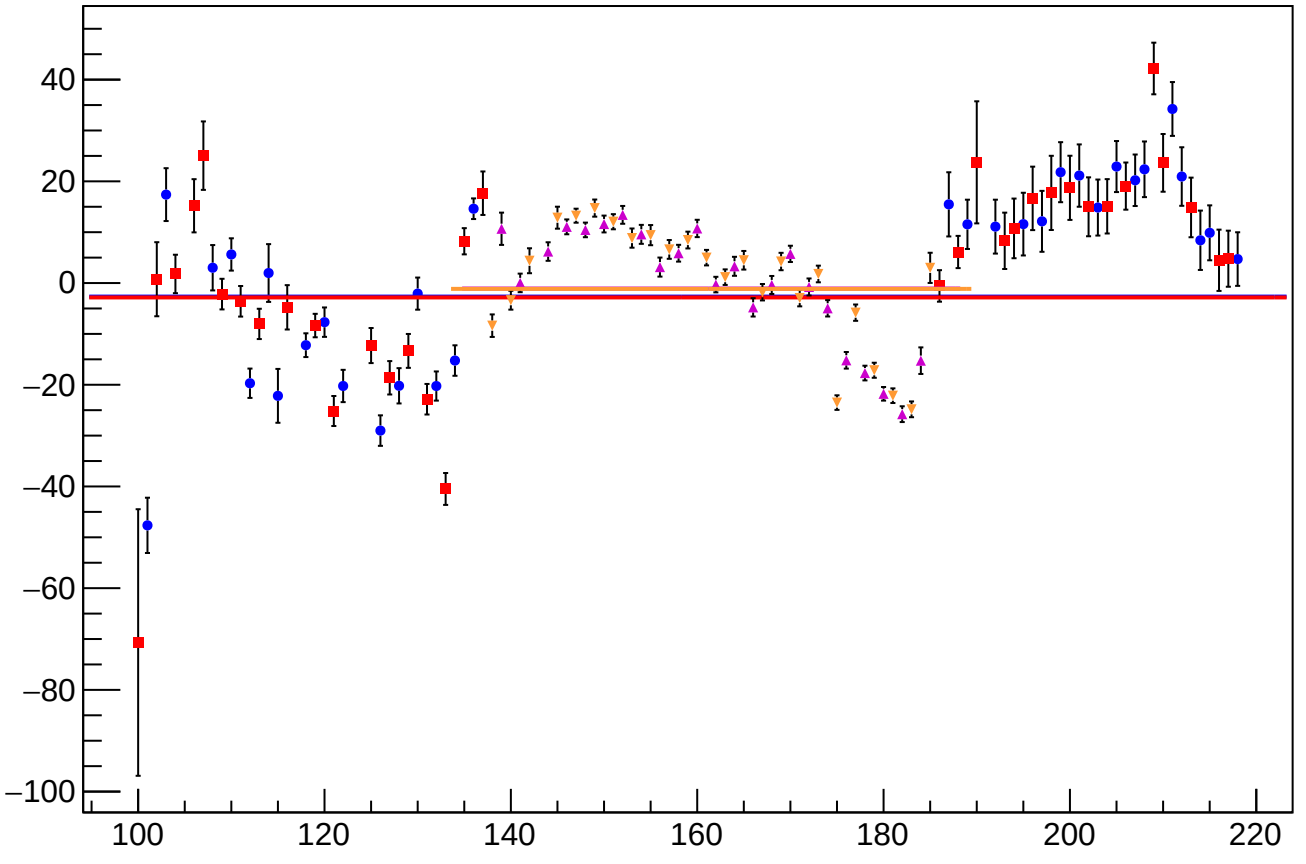
Right Out: -133.628+/-0.498 χ^2/NDF: 5389.1/33

Left In: -60.435+/-0.400 χ^2/NDF:668.3/22

\+ sign -83.728+/-0.319 χ^2/NDF: 14795.0/55

All: -86.462+/-0.223 χ^2/NDF: 34129.3/112

\- sign -89.074+/-0.312 χ^2/NDF: 19190.6/56



Right In: -2.663+/-0.690 χ^2/NDF: 642.9/31

Left Out: -1.144+/-0.346 χ^2/NDF:1303.0/23

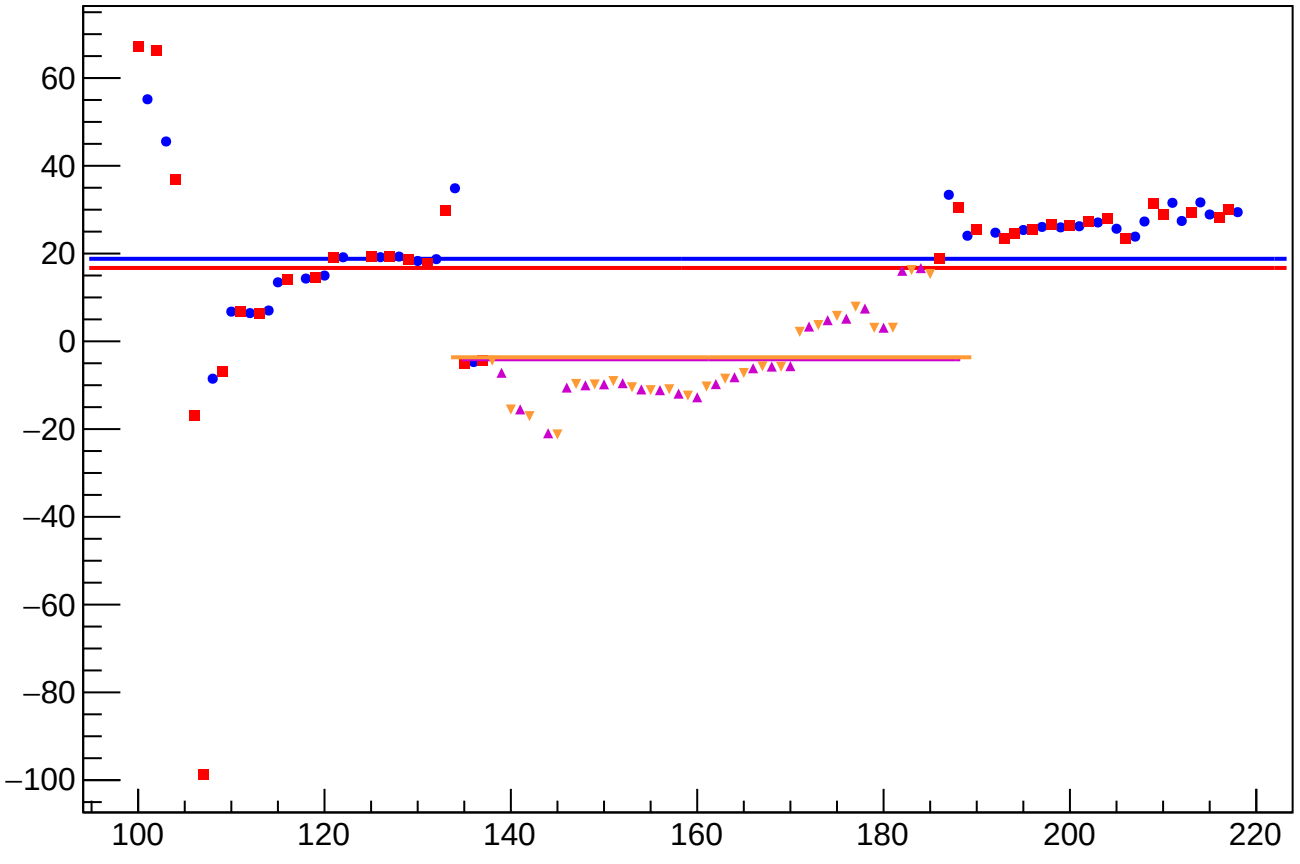
Right Out: -2.830+/-0.684 χ^2/NDF: 582.4/33

Left In: -1.082+/-0.352 χ^2/NDF:1157.4/22

+ sign -1.449+/-0.309 χ^2/NDF: 1949.8/55

All: -1.448+/-0.220 χ^2/NDF: 3694.8/112

- sign -1.448+/-0.313 χ^2/NDF: 1745.0/56



Right In: 18.806+/-0.035 χ^2/NDF: 220103.9/31

Left Out: -3.639+/-0.015 χ^2/NDF:345861.2/23

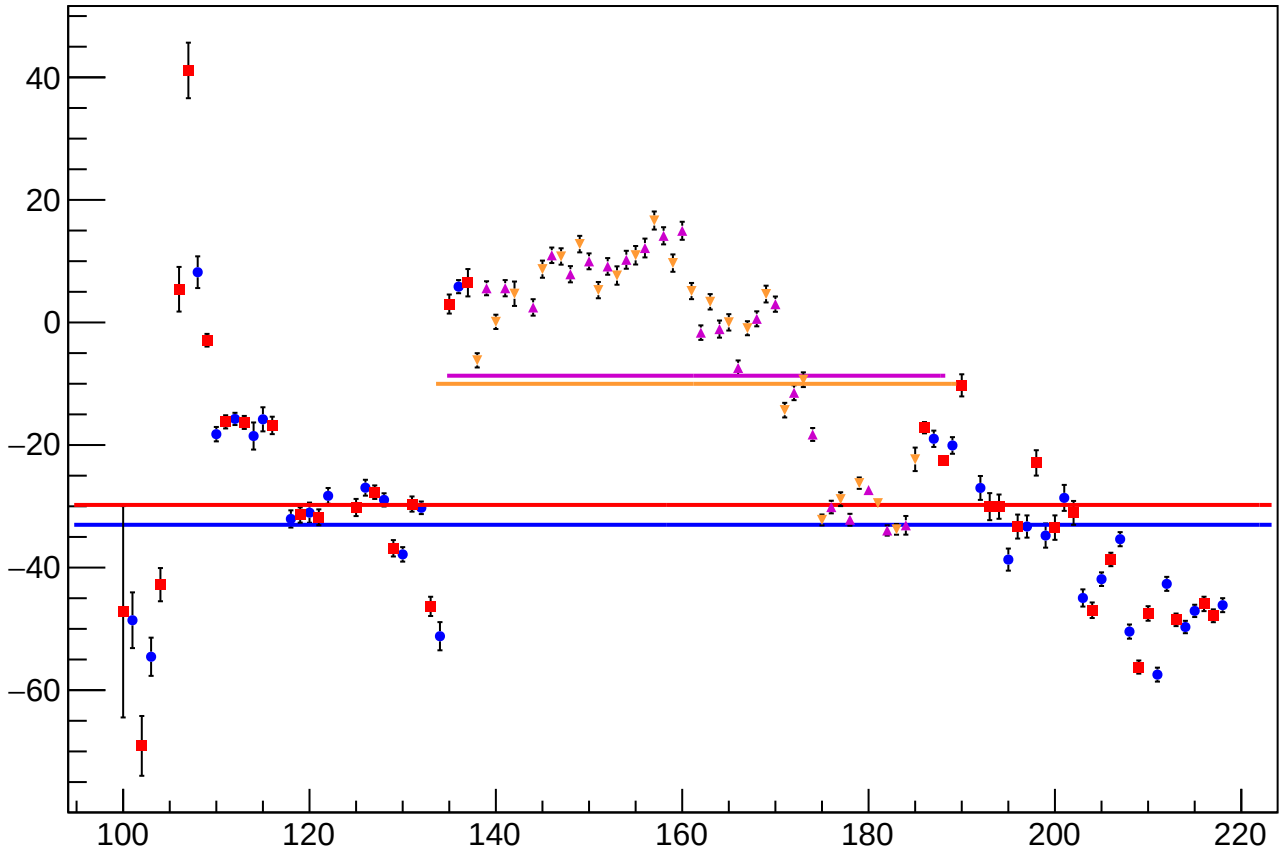
Right Out: 16.721+/-0.035 χ^2/NDF: 354826.4/33

Left In: -4.091+/-0.016 χ^2/NDF:333287.4/22

+ sign 0.059+/-0.014 χ^2/NDF: 913568.6/55

All: -0.323+/-0.010 χ^2/NDF: 1894888.0/112

- sign -0.710+/-0.014 χ^2/NDF: 979848.0/56



Right In: -33.017+/-0.238 χ^2/NDF: 4064.0/31

Left Out: -10.013+/-0.244 χ^2/NDF:4977.5/23

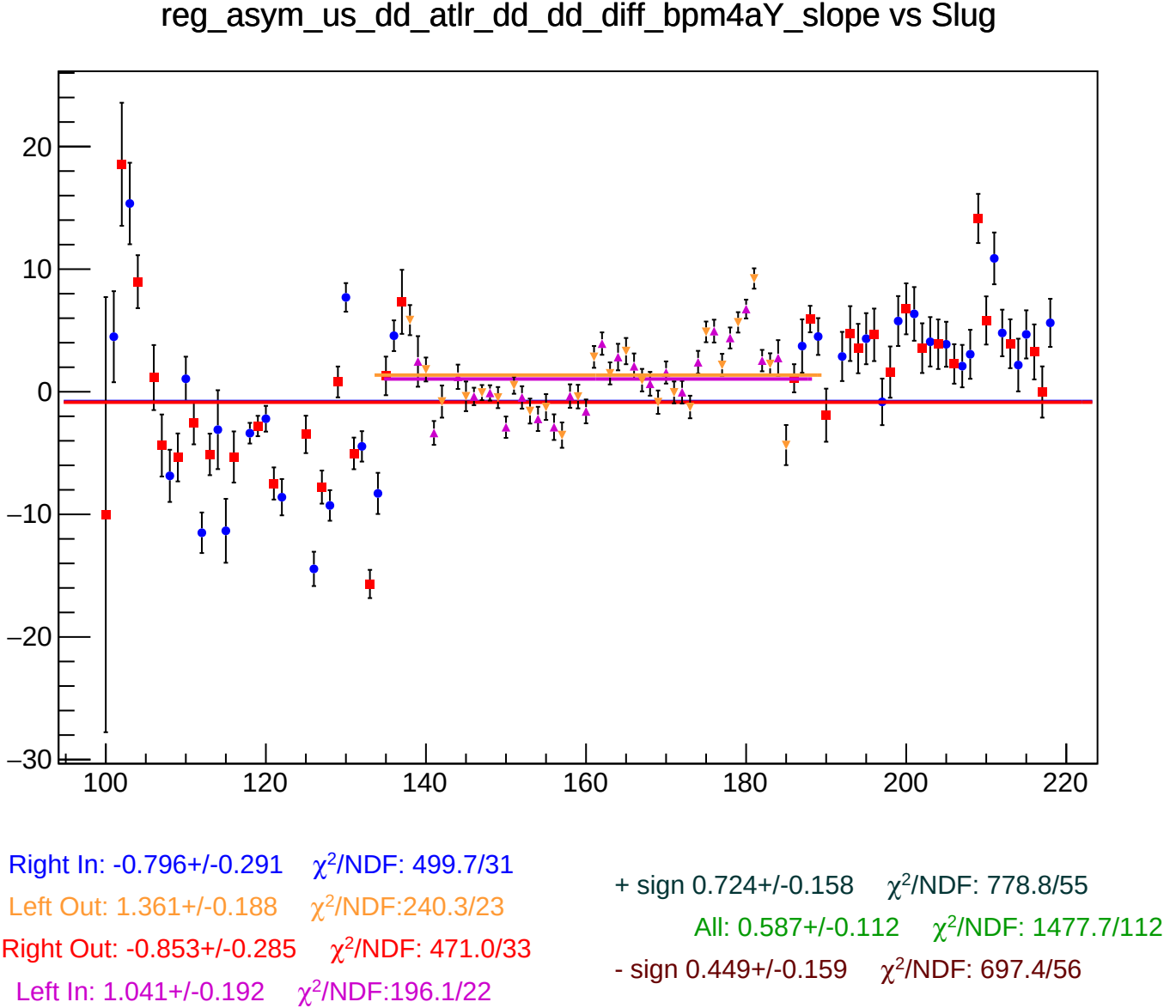
Right Out: -29.775+/-0.232 χ^2/NDF: 4672.1/33

Left In: -8.689+/-0.248 χ^2/NDF:5021.6/22

+ sign -21.829+/-0.170 χ^2/NDF: 13594.9/55

All: -20.863+/-0.120 χ^2/NDF: 27209.5/112

- sign -19.909+/-0.169 χ^2/NDF: 13550.8/56



Right In: -0.796+/-0.291 χ^2/NDF: 499.7/31

Left Out: 1.361+/-0.188 χ^2/NDF:240.3/23

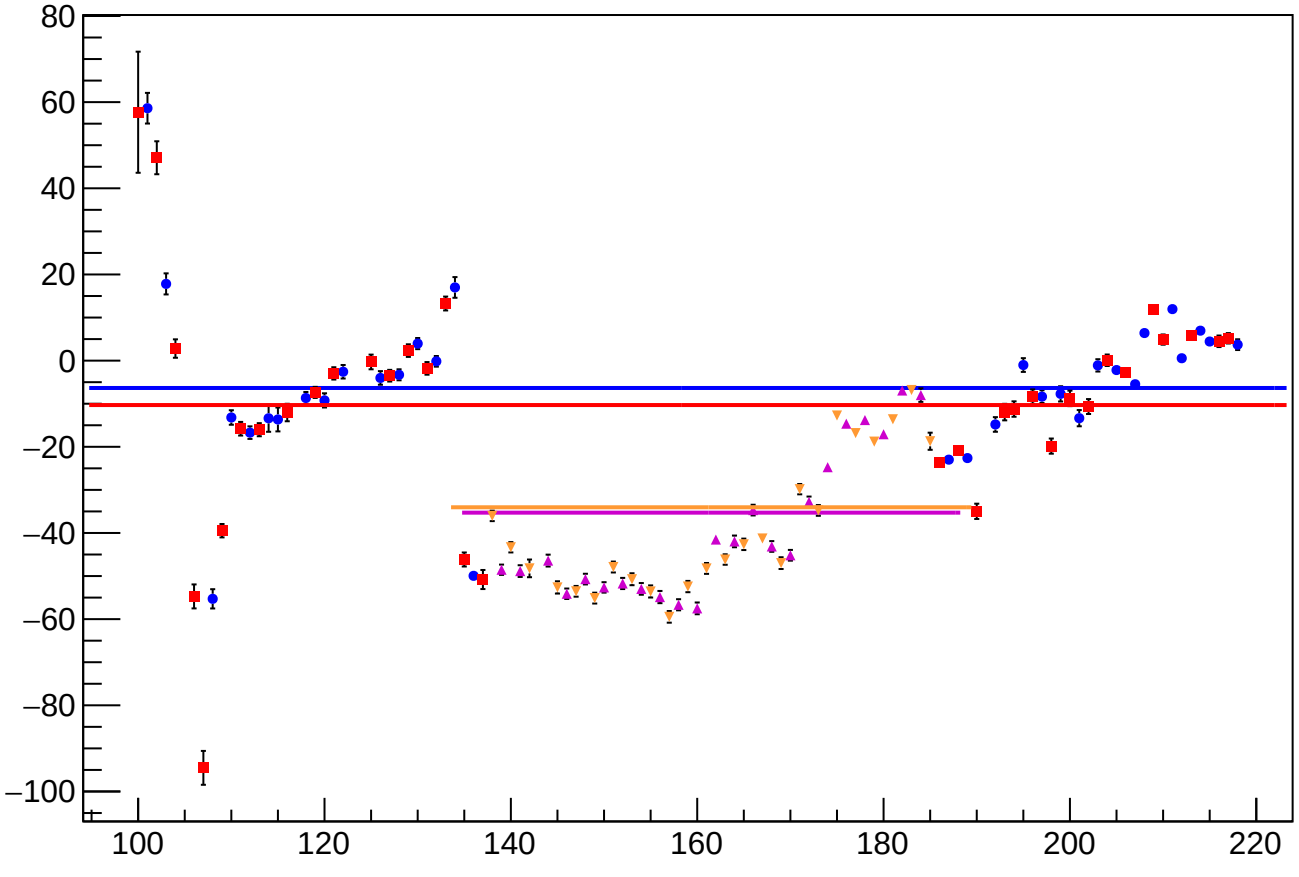
Right Out: -0.853+/-0.285 χ^2/NDF: 471.0/33

Left In: 1.041+/-0.192 χ^2/NDF:196.1/22

\+ sign 0.724+/-0.158 χ^2/NDF: 778.8/55

All: 0.587+/-0.112 χ^2/NDF: 1477.7/112

\- sign 0.449+/-0.159 χ^2/NDF: 697.4/56



Right In: -6.346+/-0.250 χ^2/NDF: 4026.8/31

Left Out: -34.036+/-0.243 χ^2/NDF:4965.7/23

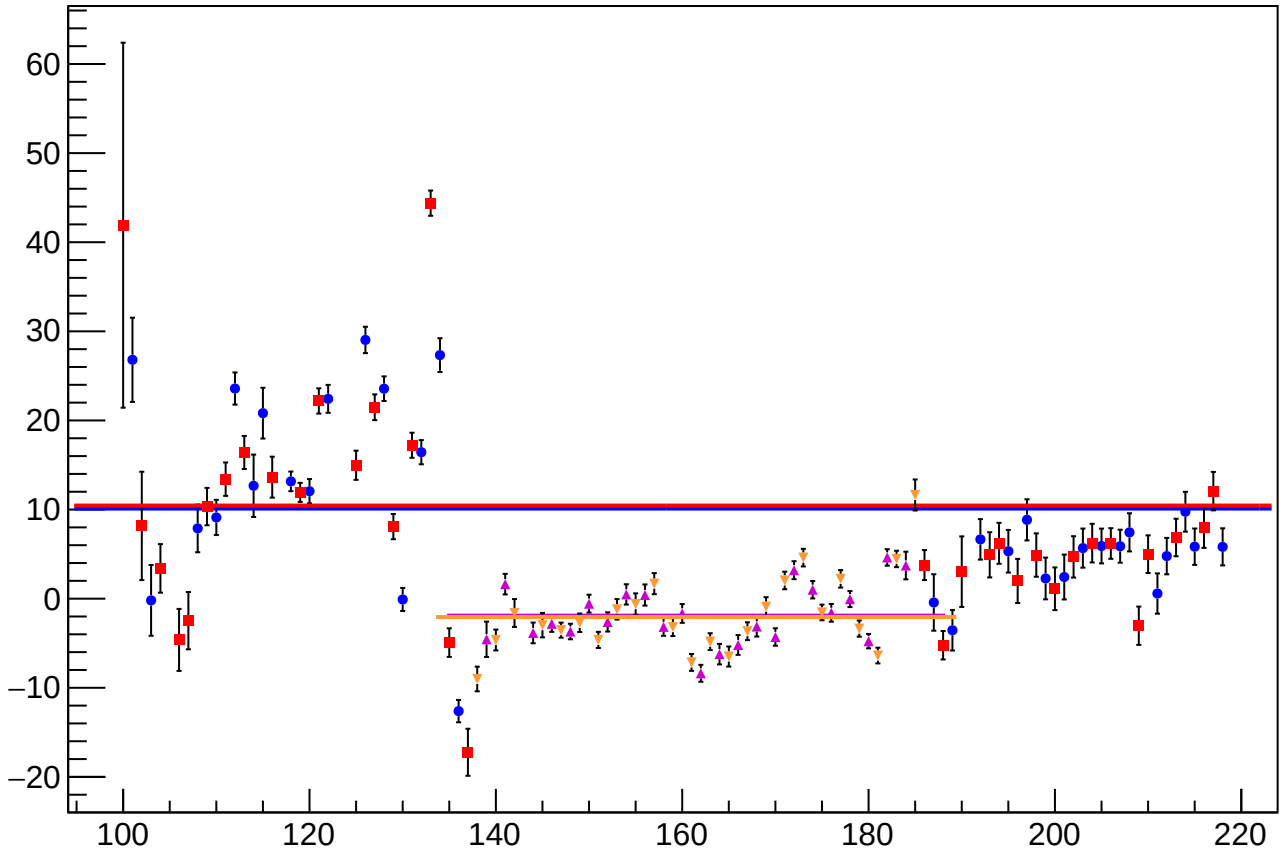
Right Out: -10.309+/-0.238 χ^2/NDF: 4644.0/33

Left In: -35.285+/-0.245 χ^2/NDF:4998.0/22

+ sign -20.617+/-0.174 χ^2/NDF: 15308.8/55

All: -21.543+/-0.122 χ^2/NDF: 30334.4/112

- sign -22.436+/-0.171 χ^2/NDF: 14970.1/56



Right In: 10.114+/-0.332 χ^2/NDF: 1037.2/31

Left Out: -2.062+/-0.212 χ^2/NDF:332.4/23

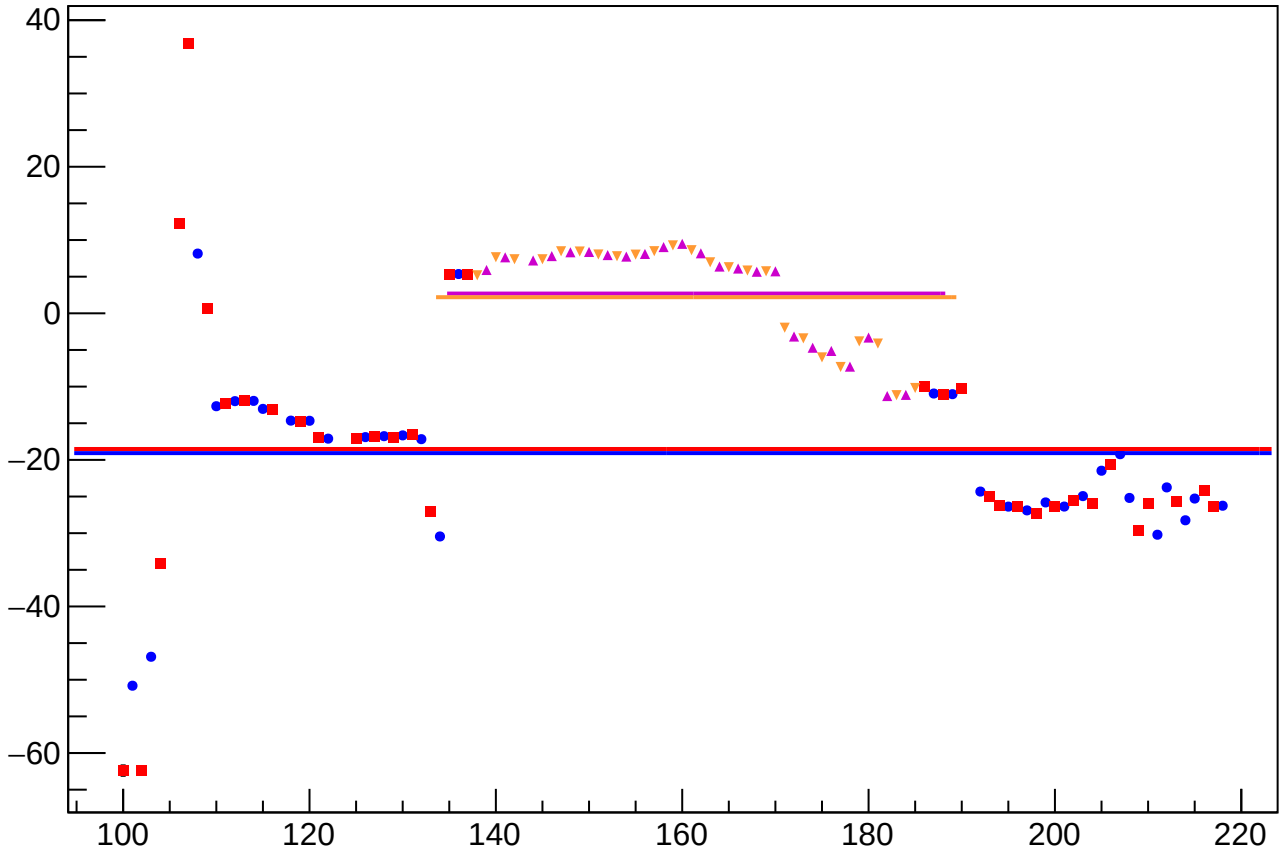
Right Out: 10.449+/-0.332 χ^2/NDF: 1220.6/33

Left In: -1.905+/-0.216 χ^2/NDF:222.1/22

+ sign 1.476+/-0.179 χ^2/NDF: 2325.8/55

All: 1.621+/-0.127 χ^2/NDF: 4741.5/112

- sign 1.771+/-0.181 χ^2/NDF: 2414.4/56



Right In: -19.077+/-0.017 χ^2/NDF: 535210.5/31

Left Out: 2.198+/-0.009 χ^2/NDF:508502.1/23

Right Out: -18.513+/-0.017 χ^2/NDF: 615293.1/33

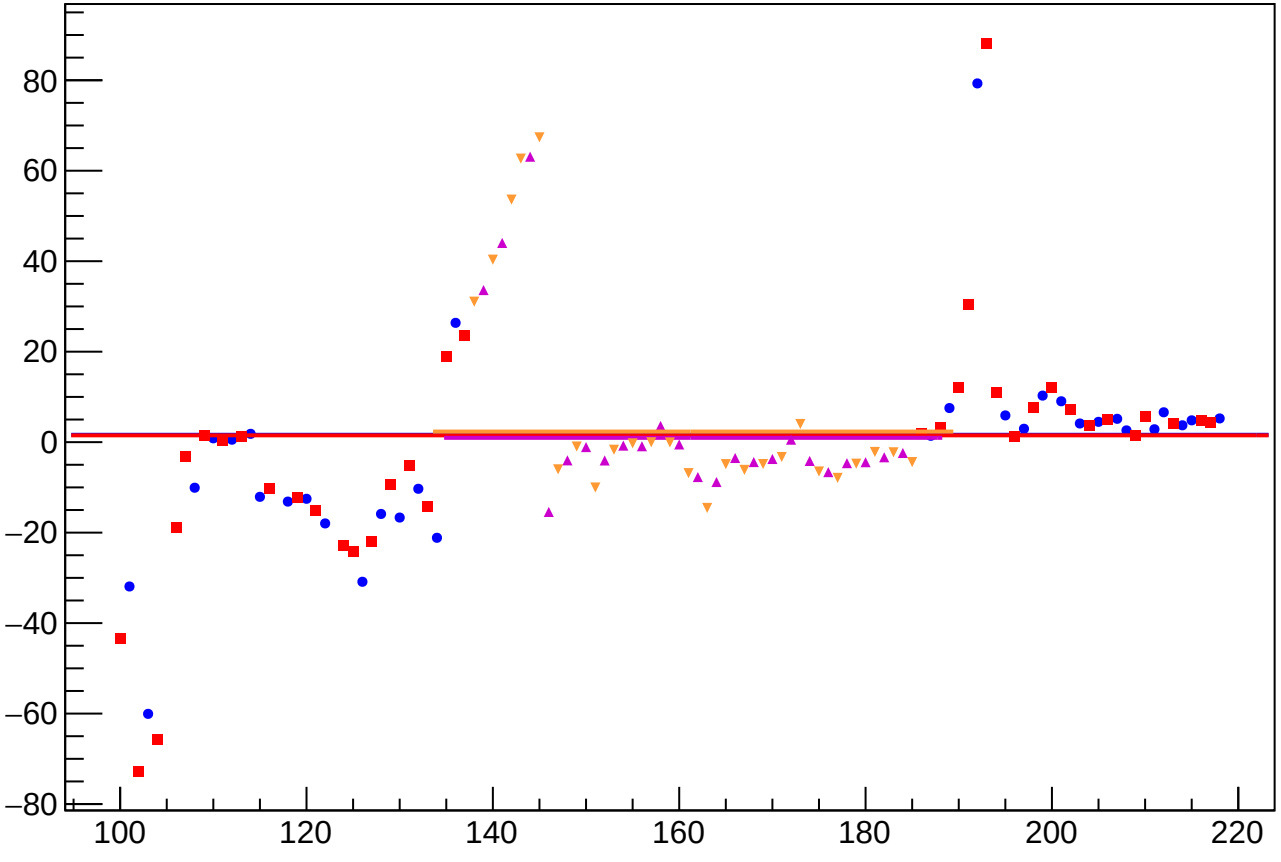
Left In: 2.694+/-0.010 χ^2/NDF:498824.3/22

\+ sign -3.031+/-0.008 χ^2/NDF: 2277644.7/55

All: -2.773+/-0.006 χ^2/NDF: 4603370.4/112

\- sign -2.511+/-0.008 χ^2/NDF: 2323749.1/56

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs Slug



Right In: 1.628+/-0.034 χ^2/NDF: 121846.0/31

Left Out: 2.341+/-0.040 χ^2/NDF:176986.1/24

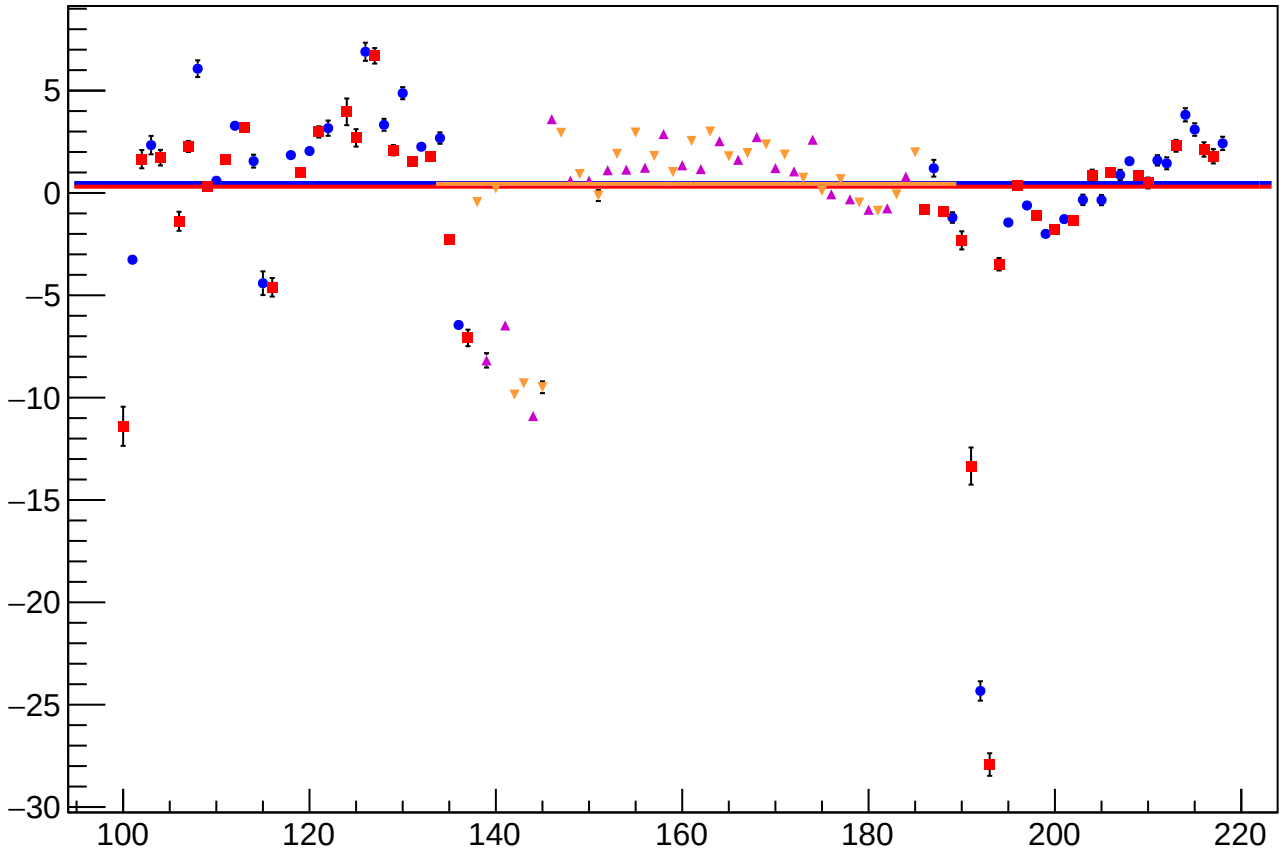
Right Out: 1.507+/-0.032 χ^2/NDF: 122438.8/35

Left In: 0.957+/-0.040 χ^2/NDF:132519.8/22

+ sign 1.929+/-0.026 χ^2/NDF: 299013.7/56

All: 1.595+/-0.018 χ^2/NDF: 554398.3/115

- sign 1.294+/-0.025 χ^2/NDF: 255074.9/58



Right In: 0.485+/-0.044 χ^2/NDF: 6130.6/31

Left Out: 0.446+/-0.033 χ^2/NDF:7044.3/24

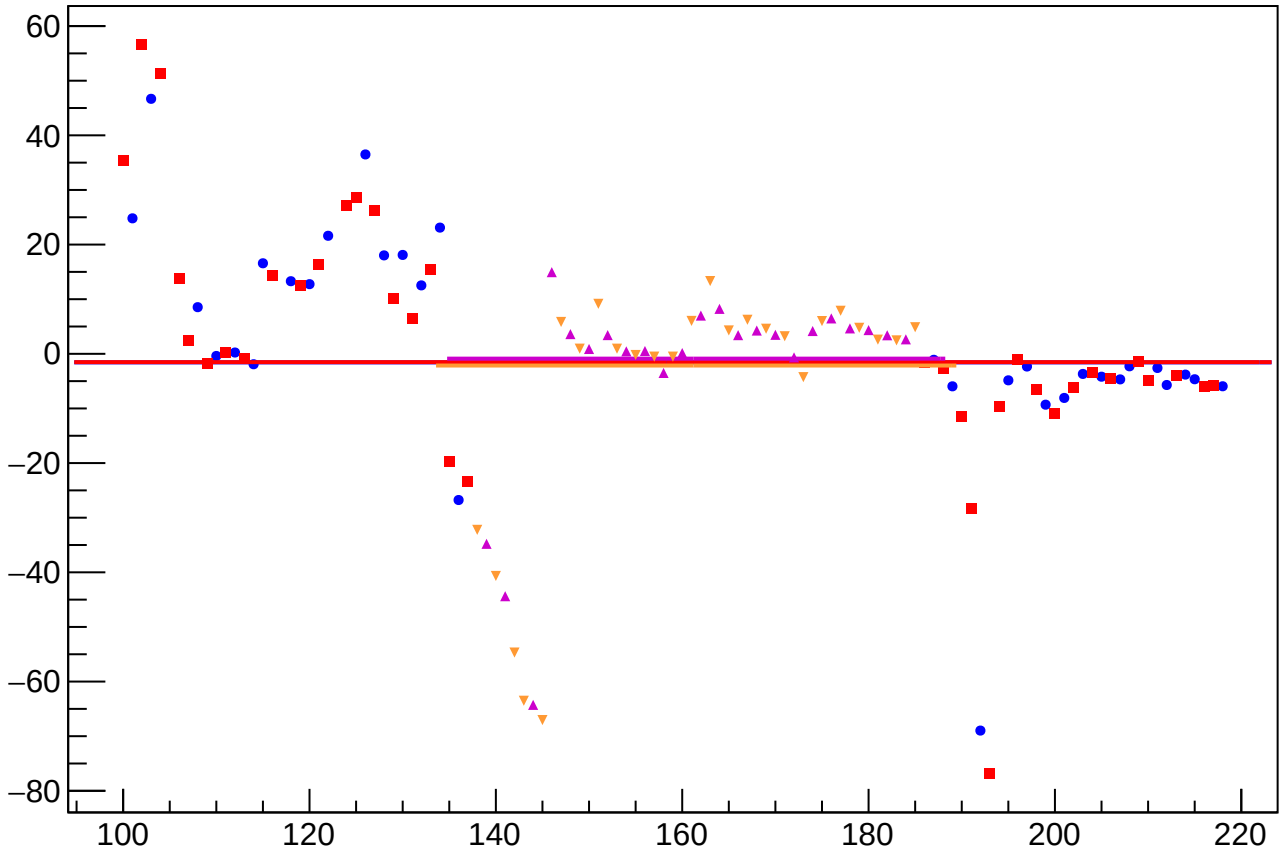
Right Out: 0.306+/-0.042 χ^2/NDF: 5198.1/35

Left In: 0.427+/-0.031 χ^2/NDF:7102.3/22

+ sign 0.460+/-0.026 χ^2/NDF: 13175.5/56

All: 0.421+/-0.018 χ^2/NDF: 25485.6/115

- sign 0.384+/-0.025 χ^2/NDF: 12305.8/58



Right In: -1.567+/-0.036 χ^2/NDF: 120218.1/31

Left Out: -2.143+/-0.040 χ^2/NDF:171271.2/24

Right Out: -1.523+/-0.034 χ^2/NDF: 120763.6/35

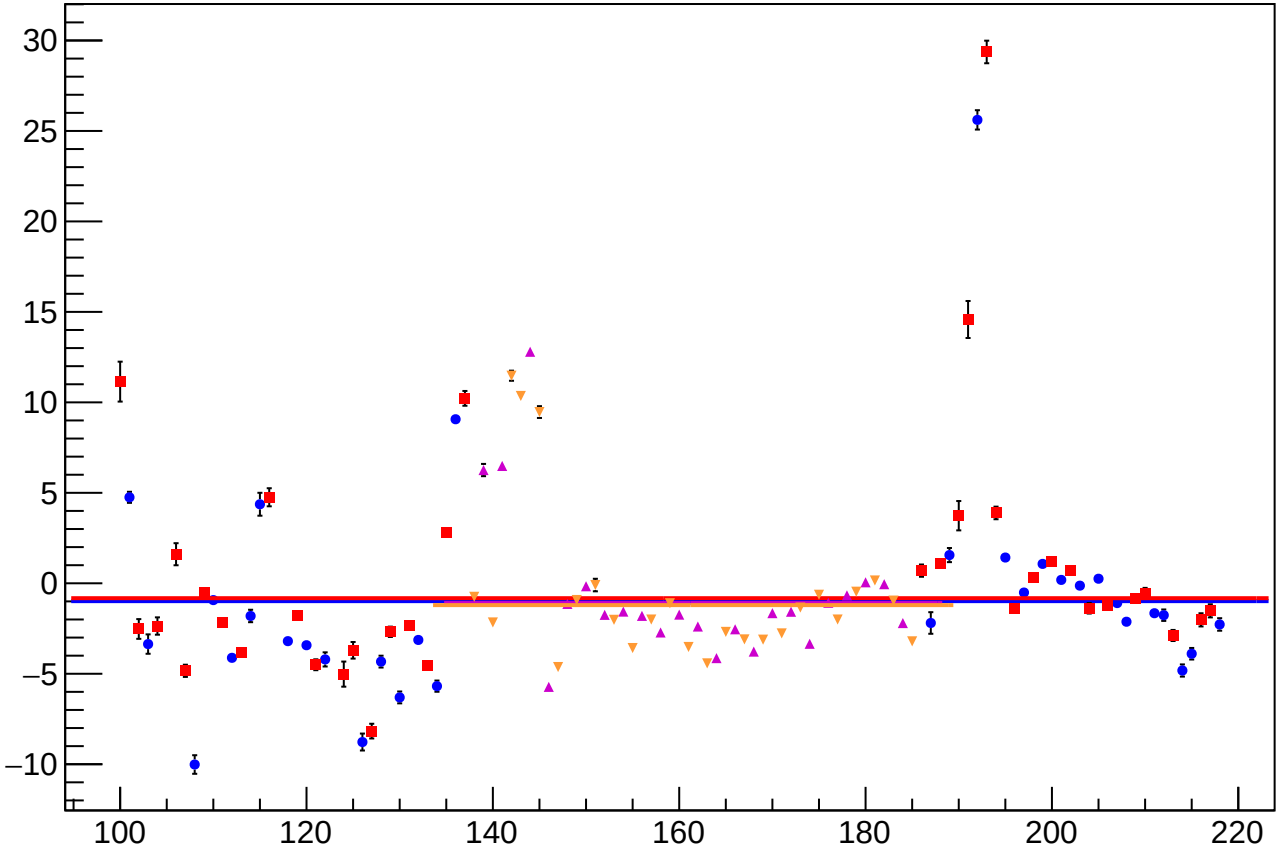
Left In: -0.881+/-0.039 χ^2/NDF:129197.8/22

+ sign -1.821+/-0.027 χ^2/NDF: 291604.0/56

All: -1.524+/-0.018 χ^2/NDF: 541955.4/115

- sign -1.253+/-0.026 χ^2/NDF: 250115.2/58

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs Slug



Right In: -0.986+/-0.050 χ^2/NDF: 7614.7/31

Left Out: -1.206+/-0.036 χ^2/NDF:7003.0/24

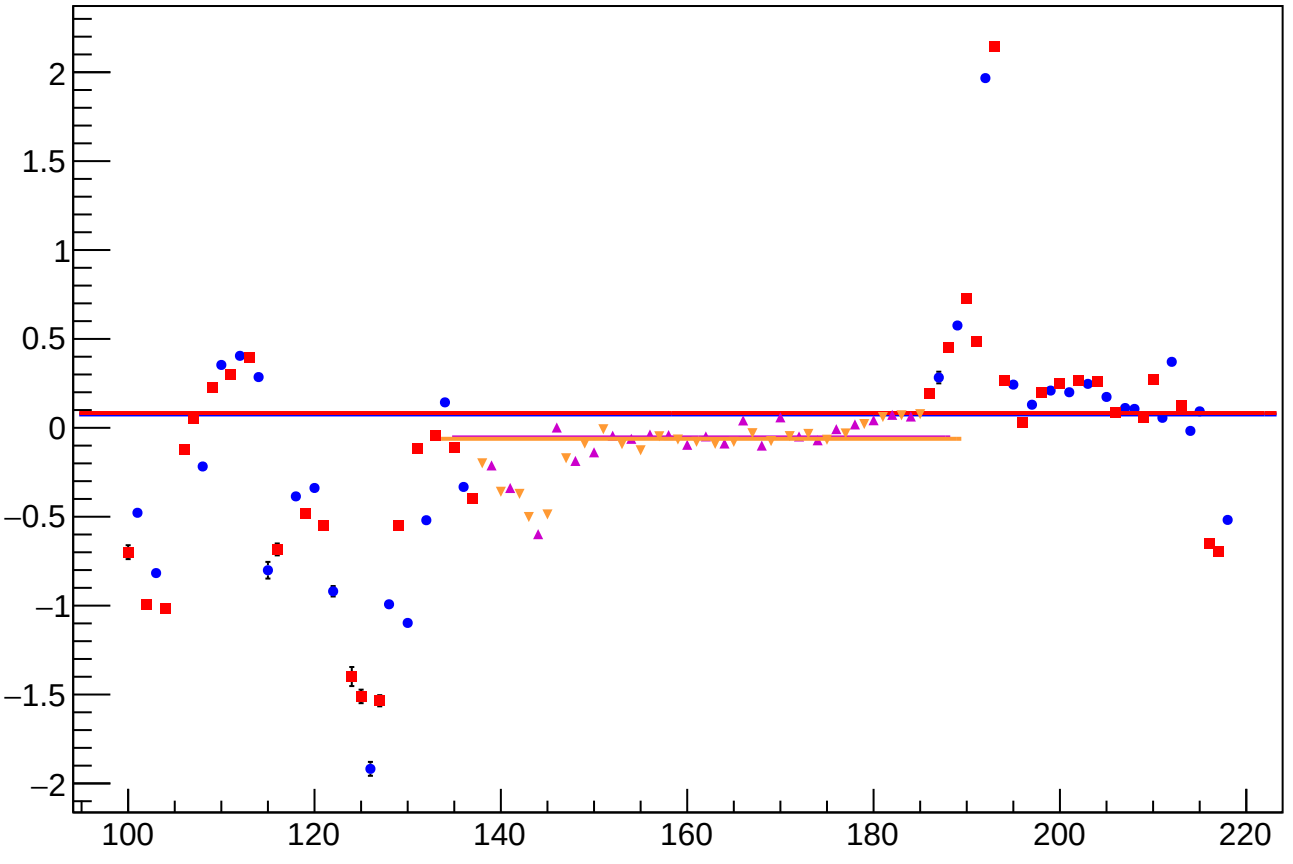
Right Out: -0.823+/-0.048 χ^2/NDF: 5674.7/35

Left In: -1.094+/-0.035 χ^2/NDF:7029.2/22

+ sign -1.131+/-0.029 χ^2/NDF: 14630.3/56

All: -1.064+/-0.020 χ^2/NDF: 27364.7/115

- sign -1.002+/-0.028 χ^2/NDF: 12724.3/58



Right In: 0.075+/-0.002 χ^2/NDF: 35395.5/31

Left Out: -0.062+/-0.002 χ^2/NDF:5711.9/24

Right Out: 0.083+/-0.002 χ^2/NDF: 37496.2/35

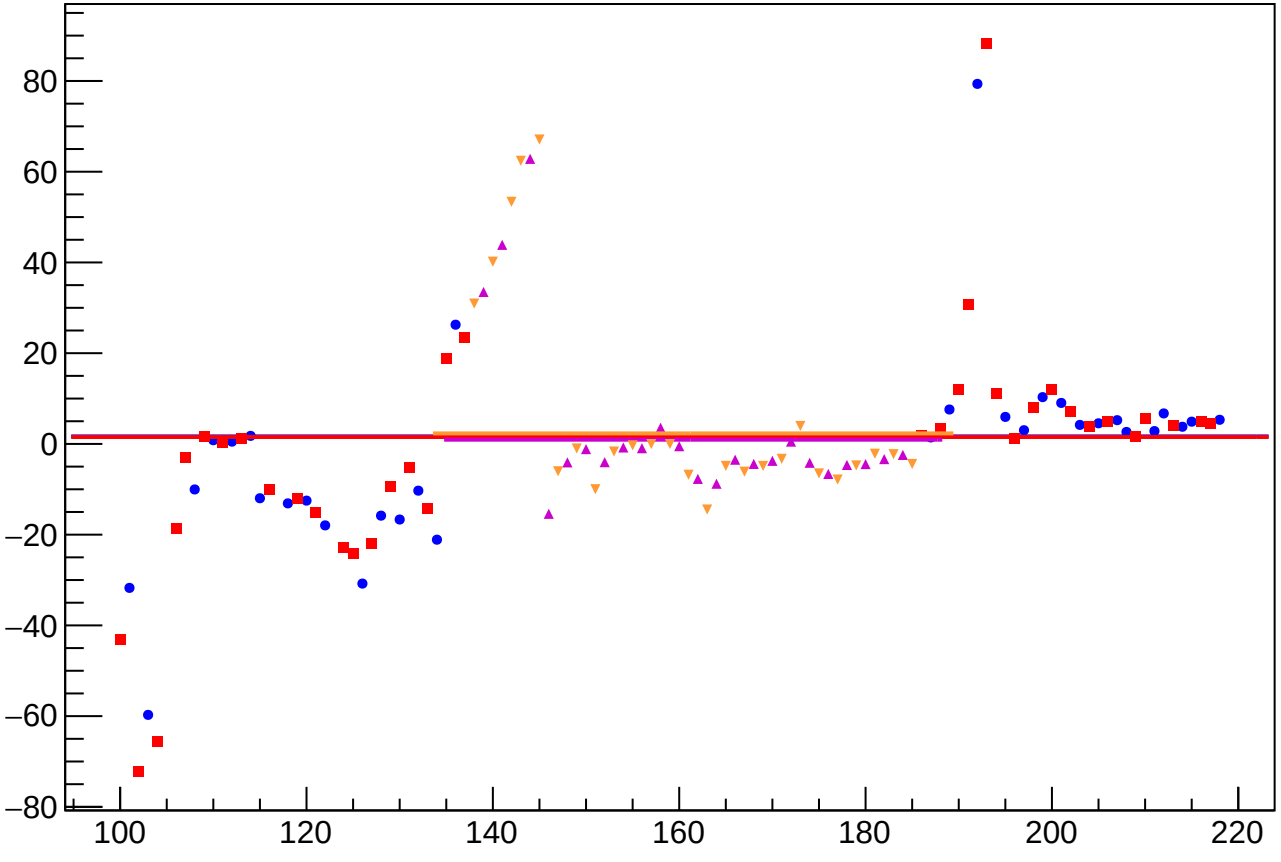
Left In: -0.054+/-0.001 χ^2/NDF:5029.9/22

+ sign -0.016+/-0.001 χ^2/NDF: 43568.3/56

All: -0.014+/-0.001 χ^2/NDF: 88725.9/115

- sign -0.011+/-0.001 χ^2/NDF: 45149.0/58

reg_asym_bcm_an_ds_diff_bpm1X_slope vs Slug



Right In: 1.653+/-0.034 χ^2/NDF: 122427.8/31

Left Out: 2.318+/-0.040 χ^2/NDF:176746.3/24

Right Out: 1.532+/-0.032 χ^2/NDF: 123064.2/35

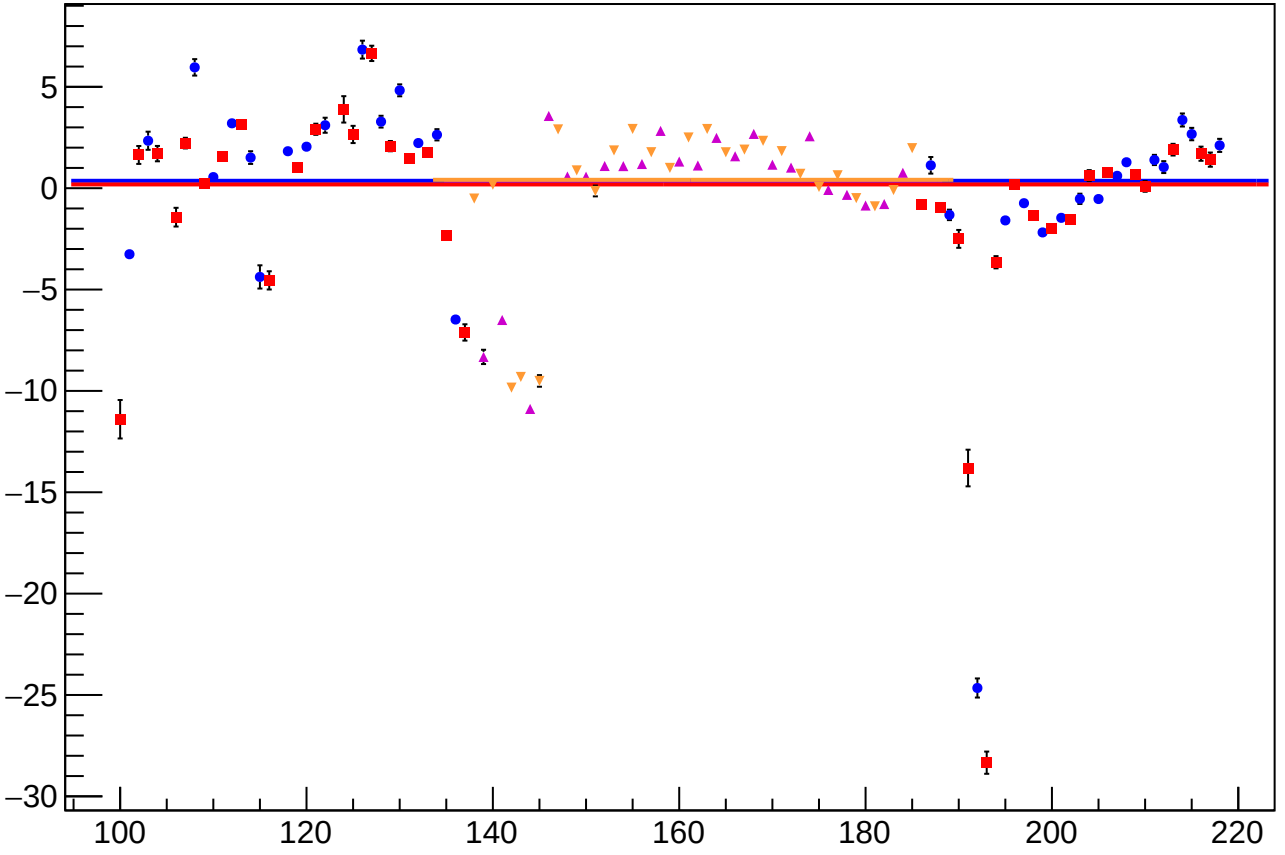
Left In: 0.935+/-0.040 χ^2/NDF:132405.3/22

+ sign 1.933+/-0.026 χ^2/NDF: 299333.1/56

All: 1.601+/-0.018 χ^2/NDF: 555249.7/115

- sign 1.302+/-0.025 χ^2/NDF: 255607.5/58

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs Slug



Right In: 0.365+/-0.044 χ^2/NDF: 6200.8/31

Left Out: 0.414+/-0.033 χ^2/NDF:7047.2/24

Right Out: 0.185+/-0.042 χ^2/NDF: 5330.8/35

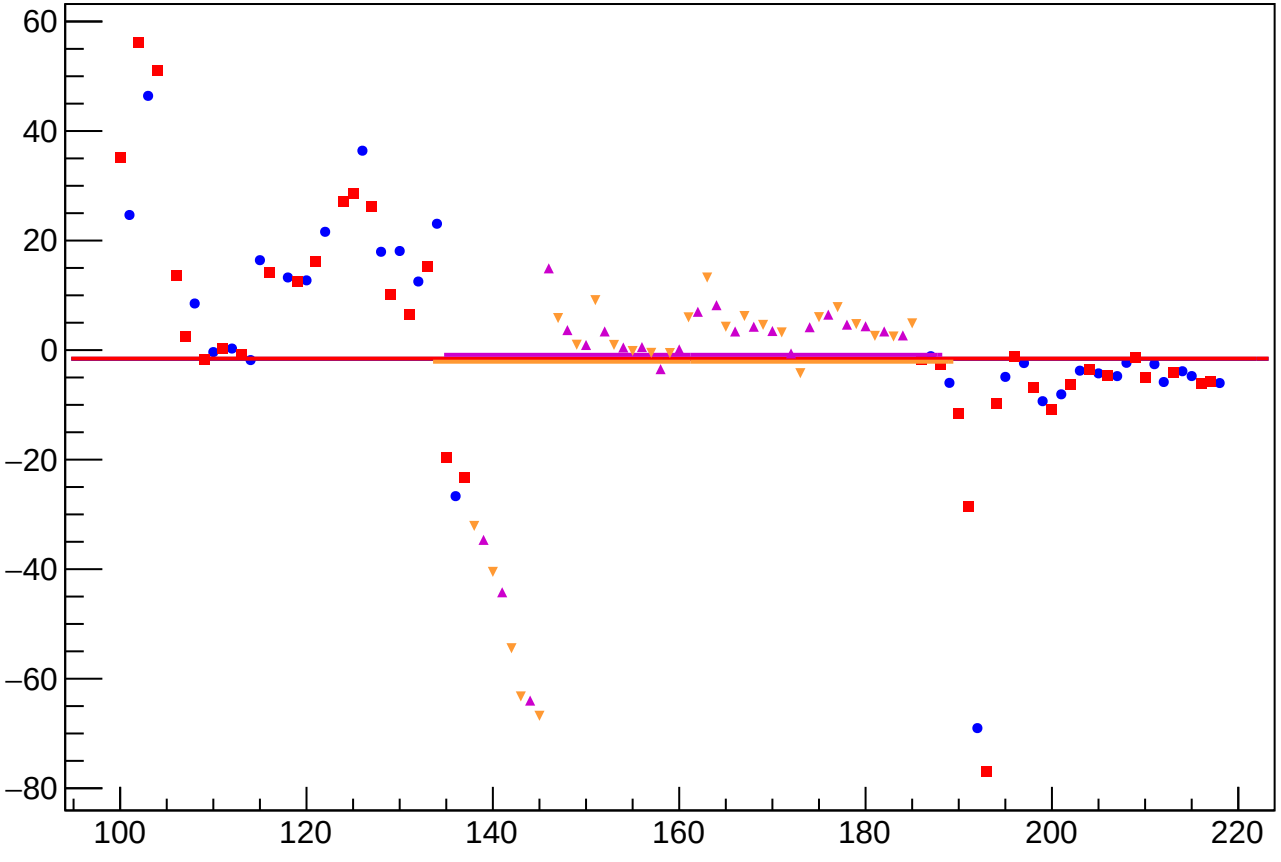
Left In: 0.389+/-0.031 χ^2/NDF:7114.2/22

+ sign 0.396+/-0.026 χ^2/NDF: 13248.8/56

All: 0.354+/-0.018 χ^2/NDF: 25713.8/115

- sign 0.316+/-0.025 χ^2/NDF: 12460.1/58

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs Slug



Right In: -1.596+/-0.036 χ^2/NDF: 120748.5/31

Left Out: -2.119+/-0.040 χ^2/NDF:171039.7/24

Right Out: -1.553+/-0.033 χ^2/NDF: 121351.4/35

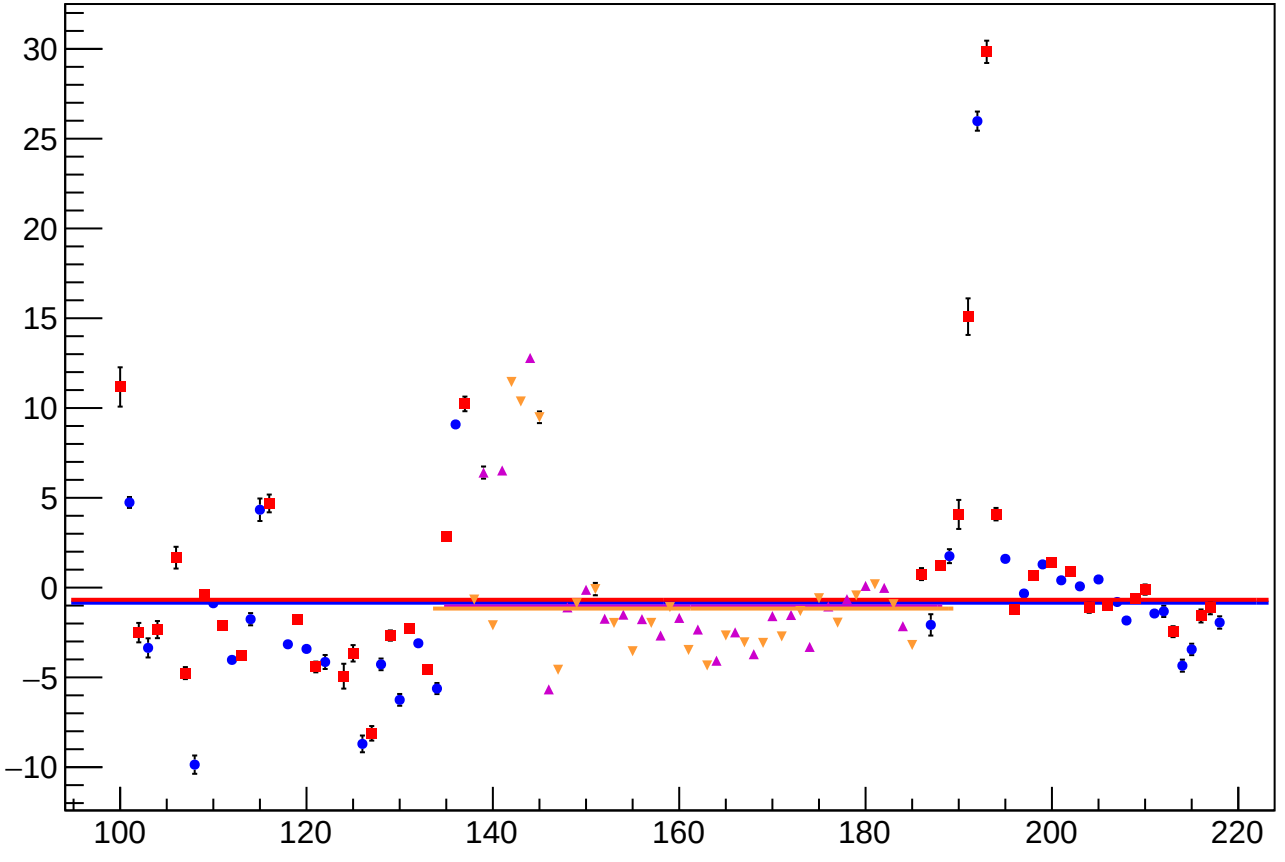
Left In: -0.859+/-0.039 χ^2/NDF:129084.9/22

+ sign -1.826+/-0.027 χ^2/NDF: 291883.4/56

All: -1.531+/-0.018 χ^2/NDF: 542737.2/115

- sign -1.261+/-0.025 χ^2/NDF: 250617.9/58

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs Slug



Right In: -0.841+/-0.050 χ^2/NDF: 7673.2/31

Left Out: -1.167+/-0.036 χ^2/NDF:7001.4/24

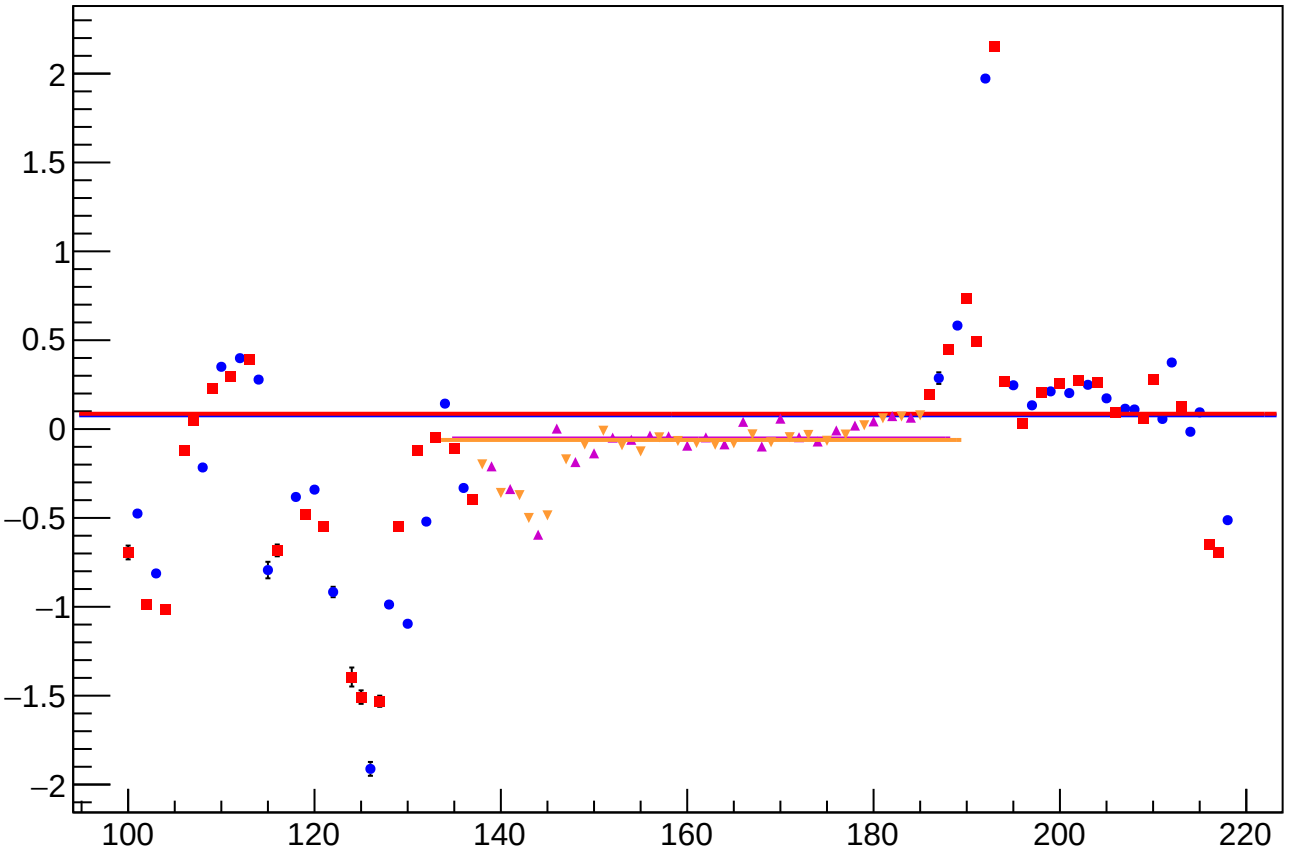
Right Out: -0.678+/-0.048 χ^2/NDF: 5813.0/35

Left In: -1.048+/-0.035 χ^2/NDF:7040.7/22

+ sign -1.055+/-0.029 χ^2/NDF: 14702.5/56

All: -0.986+/-0.020 χ^2/NDF: 27605.7/115

- sign -0.922+/-0.028 χ^2/NDF: 12892.5/58



Right In: 0.077+/-0.002 χ^2/NDF: 35670.6/31

Left Out: -0.061+/-0.002 χ^2/NDF:5729.4/24

Right Out: 0.086+/-0.002 χ^2/NDF: 37837.6/35

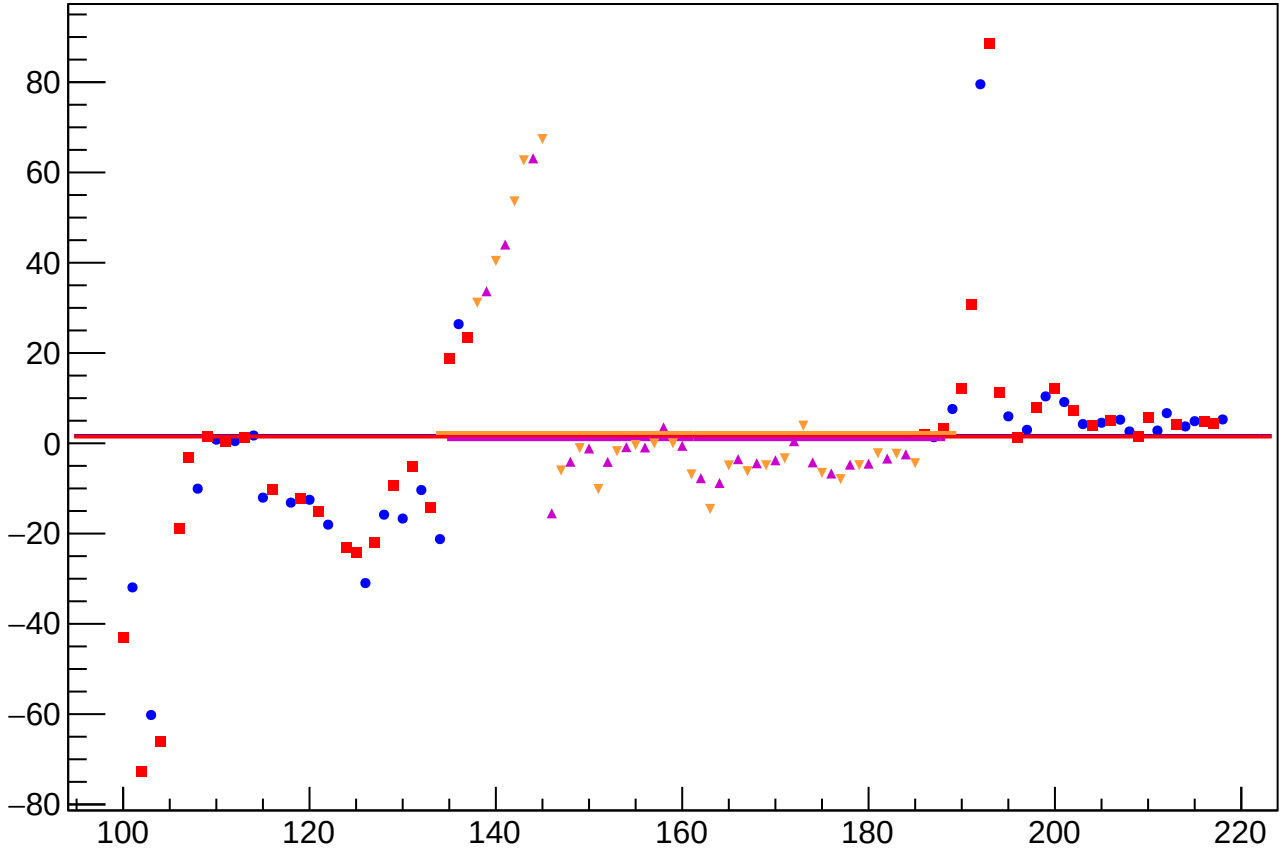
Left In: -0.053+/-0.001 χ^2/NDF:5006.2/22

+ sign -0.015+/-0.001 χ^2/NDF: 43947.2/56

All: -0.012+/-0.001 χ^2/NDF: 89526.0/115

- sign -0.010+/-0.001 χ^2/NDF: 45568.7/58

reg_asym_bcm_an_us_diff_bpm1X_slope vs Slug



Right In: 1.624+/-0.034 χ^2/NDF: 122441.3/31

Left Out: 2.296+/-0.040 χ^2/NDF:177186.2/24

Right Out: 1.503+/-0.032 χ^2/NDF: 123051.7/35

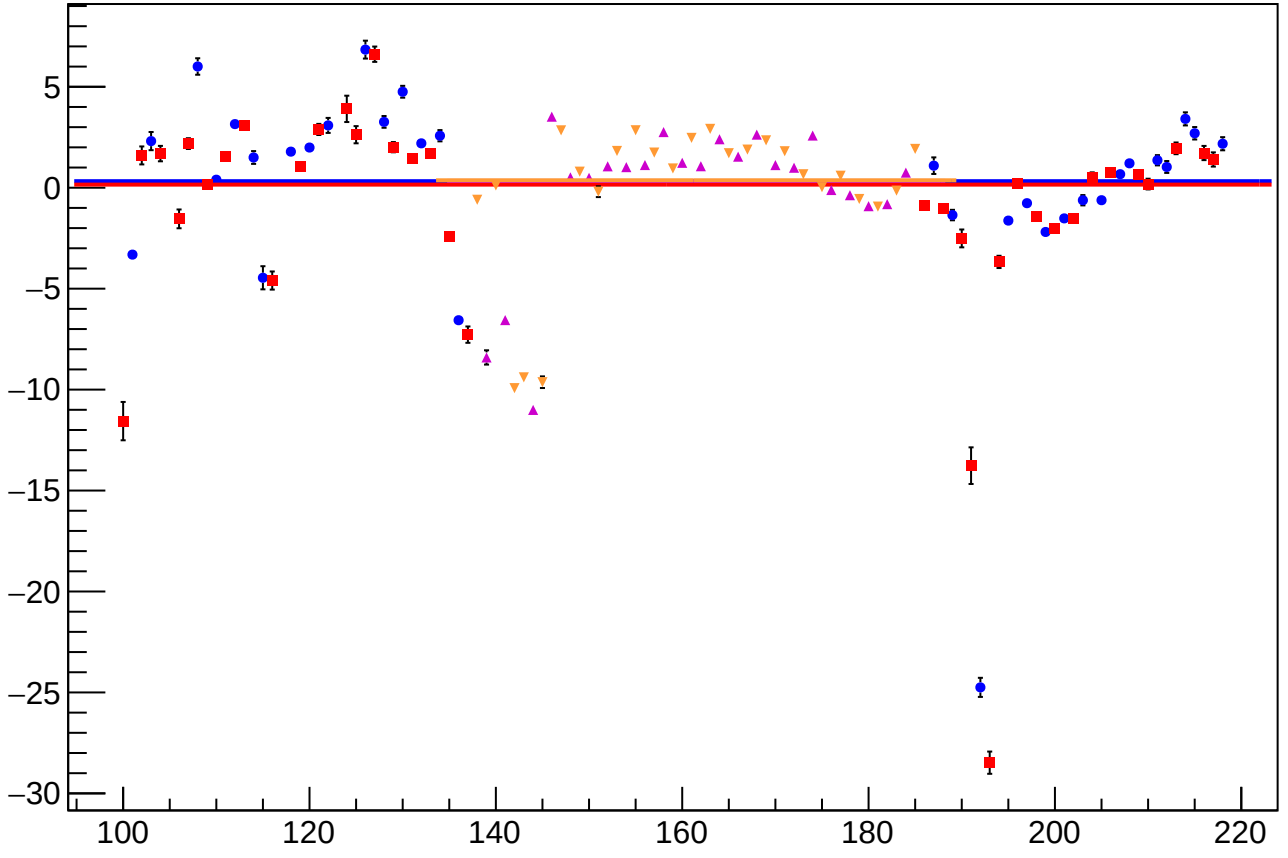
Left In: 0.912+/-0.040 χ^2/NDF:132573.8/22

+ sign 1.908+/-0.026 χ^2/NDF: 299788.3/56

All: 1.575+/-0.018 χ^2/NDF: 555855.0/115

- sign 1.275+/-0.025 χ^2/NDF: 255759.7/58

reg_asym_bcm_an_us_diff_bpm4aY_slope vs Slug



Right In: 0.324+/-0.044 χ^2/NDF: 6198.1/31

Left Out: 0.368+/-0.033 χ^2/NDF:7068.0/24

Right Out: 0.154+/-0.042 χ^2/NDF: 5329.5/35

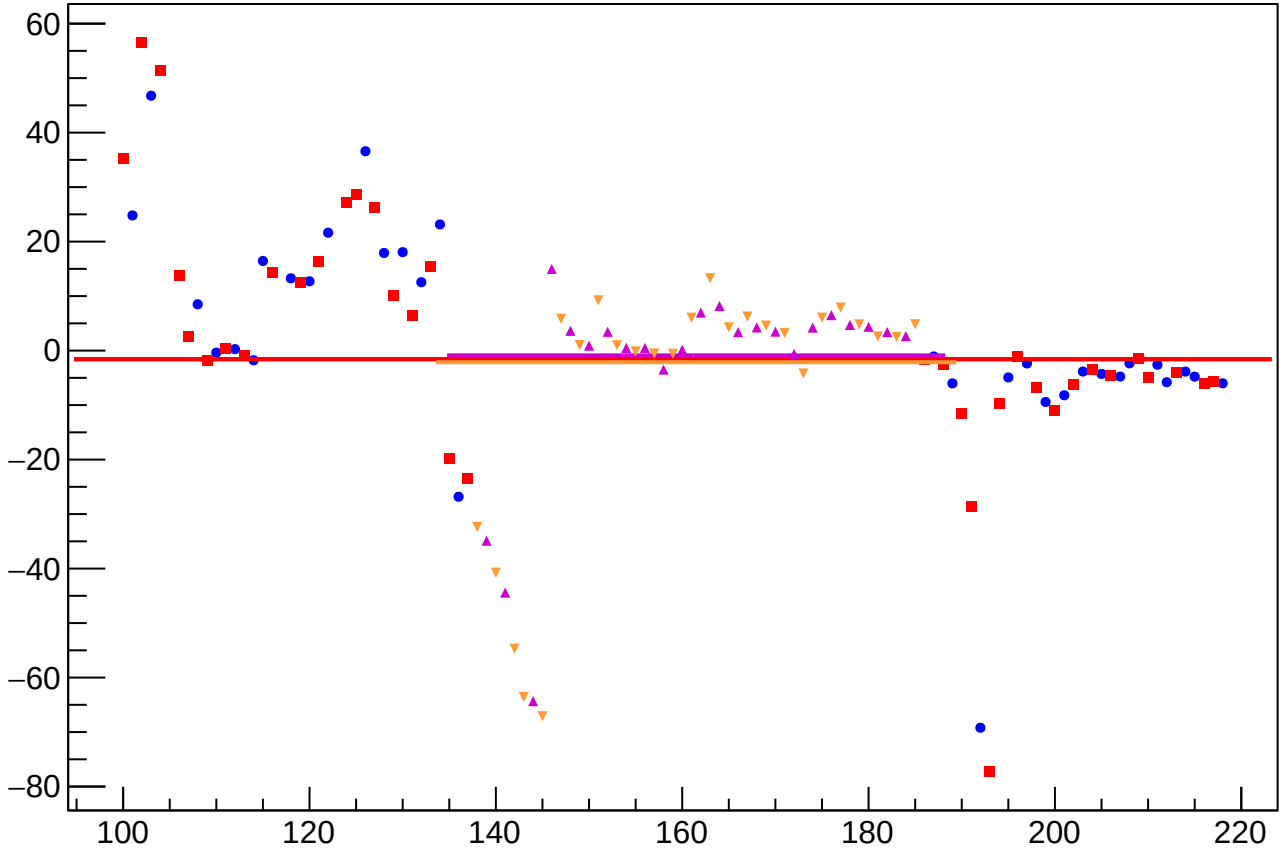
Left In: 0.337+/-0.031 χ^2/NDF:7094.3/22

+ sign 0.352+/-0.026 χ^2/NDF: 13266.7/56

All: 0.310+/-0.018 χ^2/NDF: 25707.4/115

- sign 0.271+/-0.025 χ^2/NDF: 12435.9/58

reg_asym_bcm_an_us_diff_bpm4eX_slope vs Slug



Right In: -1.599+/-0.036 χ^2/NDF: 120781.8/31

Left Out: -2.133+/-0.040 χ^2/NDF:171466.8/24

Right Out: -1.553+/-0.034 χ^2/NDF: 121368.8/35

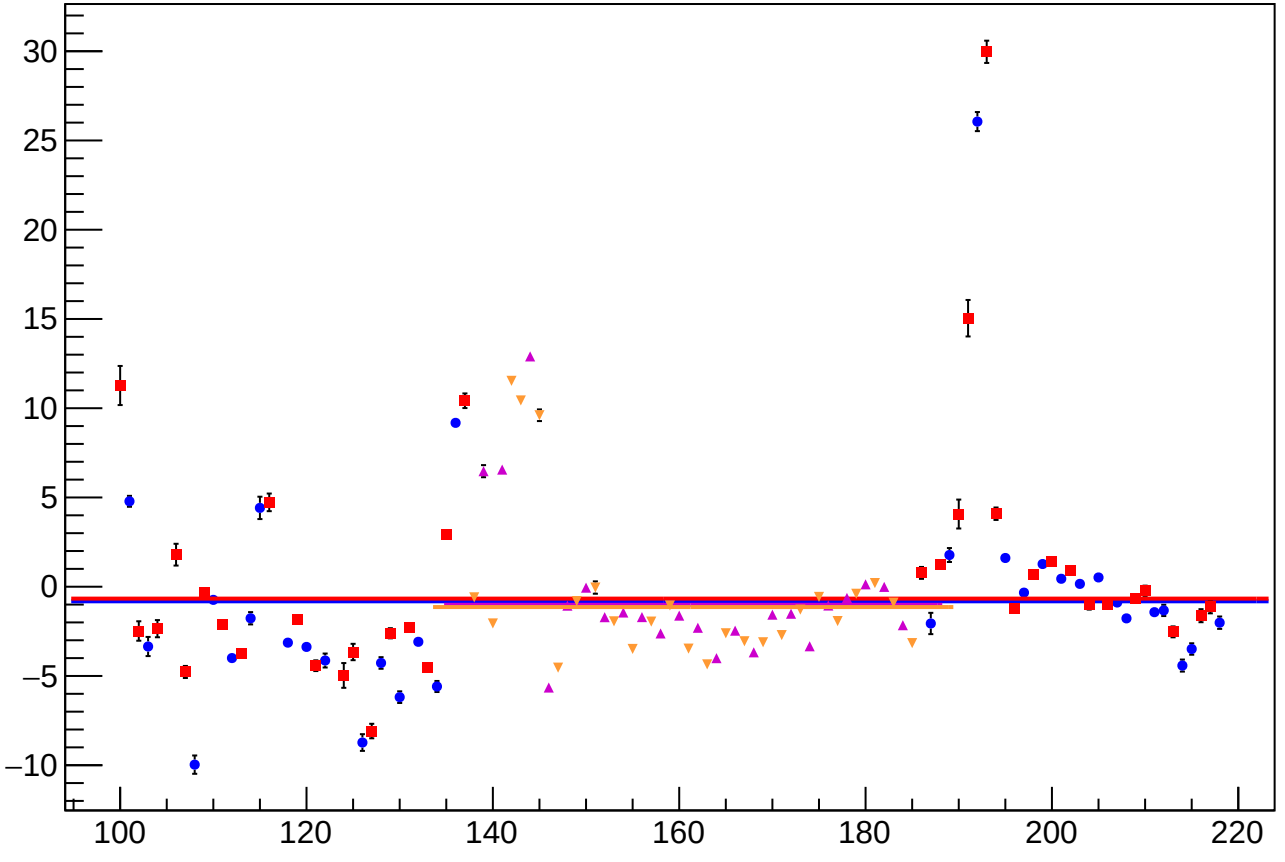
Left In: -0.871+/-0.039 χ^2/NDF:129263.4/22

+ sign -1.834+/-0.027 χ^2/NDF: 292347.0/56

All: -1.537+/-0.018 χ^2/NDF: 543388.4/115

- sign -1.267+/-0.026 χ^2/NDF: 250806.0/58

reg_asym_bcm_an_us_diff_bpm4eY_slope vs Slug



Right In: -0.817+/-0.050 χ^2/NDF: 7677.1/31

Left Out: -1.140+/-0.036 χ^2/NDF:7022.9/24

Right Out: -0.666+/-0.048 χ^2/NDF: 5820.3/35

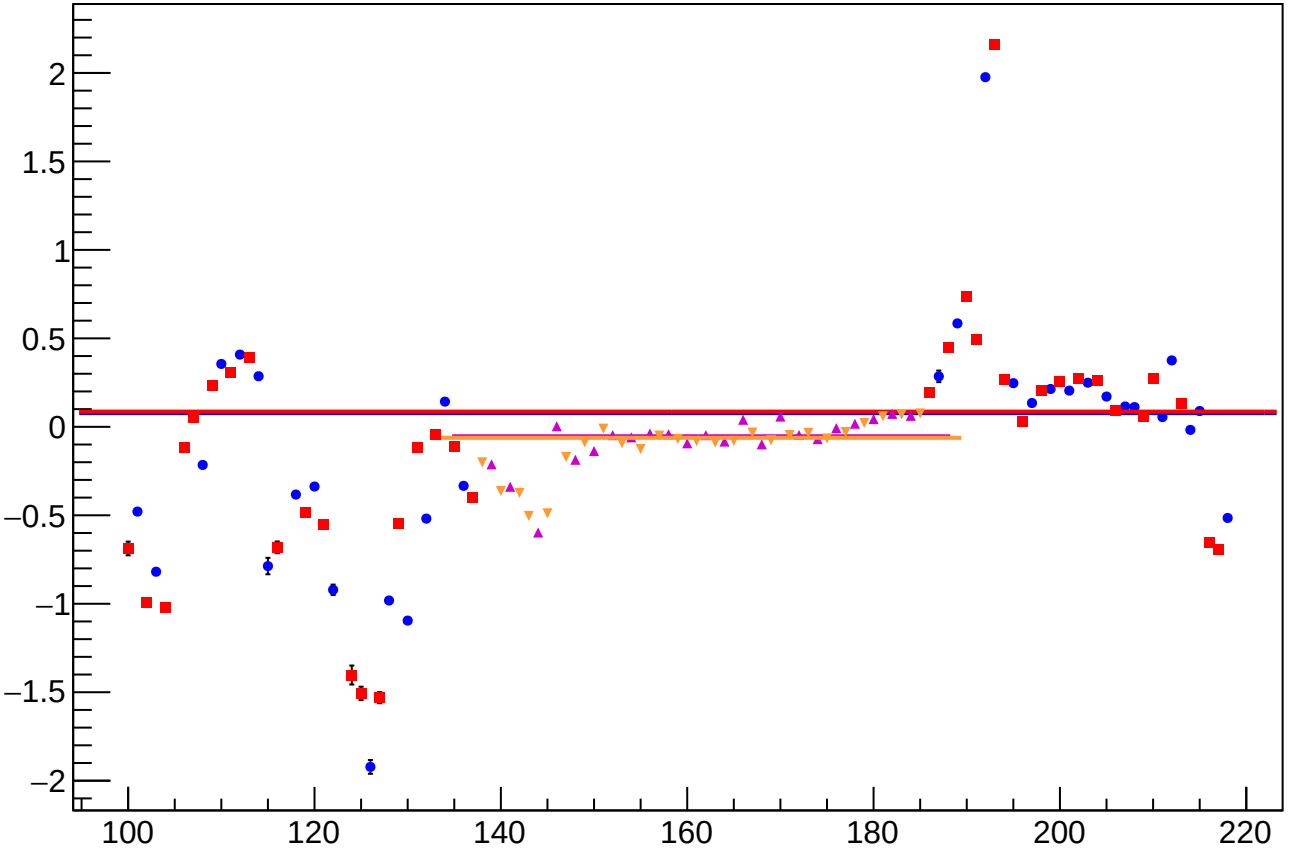
Left In: -1.013+/-0.035 χ^2/NDF:7027.2/22

+ sign -1.029+/-0.029 χ^2/NDF: 14727.0/56

All: -0.960+/-0.020 χ^2/NDF: 27619.0/115

- sign -0.895+/-0.028 χ^2/NDF: 12881.2/58

reg_asym_bcm_an_us_diff_bpm12X_slope vs Slug



Right In: 0.077+/-0.002 χ^2/NDF: 35657.2/31

Left Out: -0.062+/-0.002 χ^2/NDF:5736.1/24

Right Out: 0.086+/-0.002 χ^2/NDF: 37772.6/35

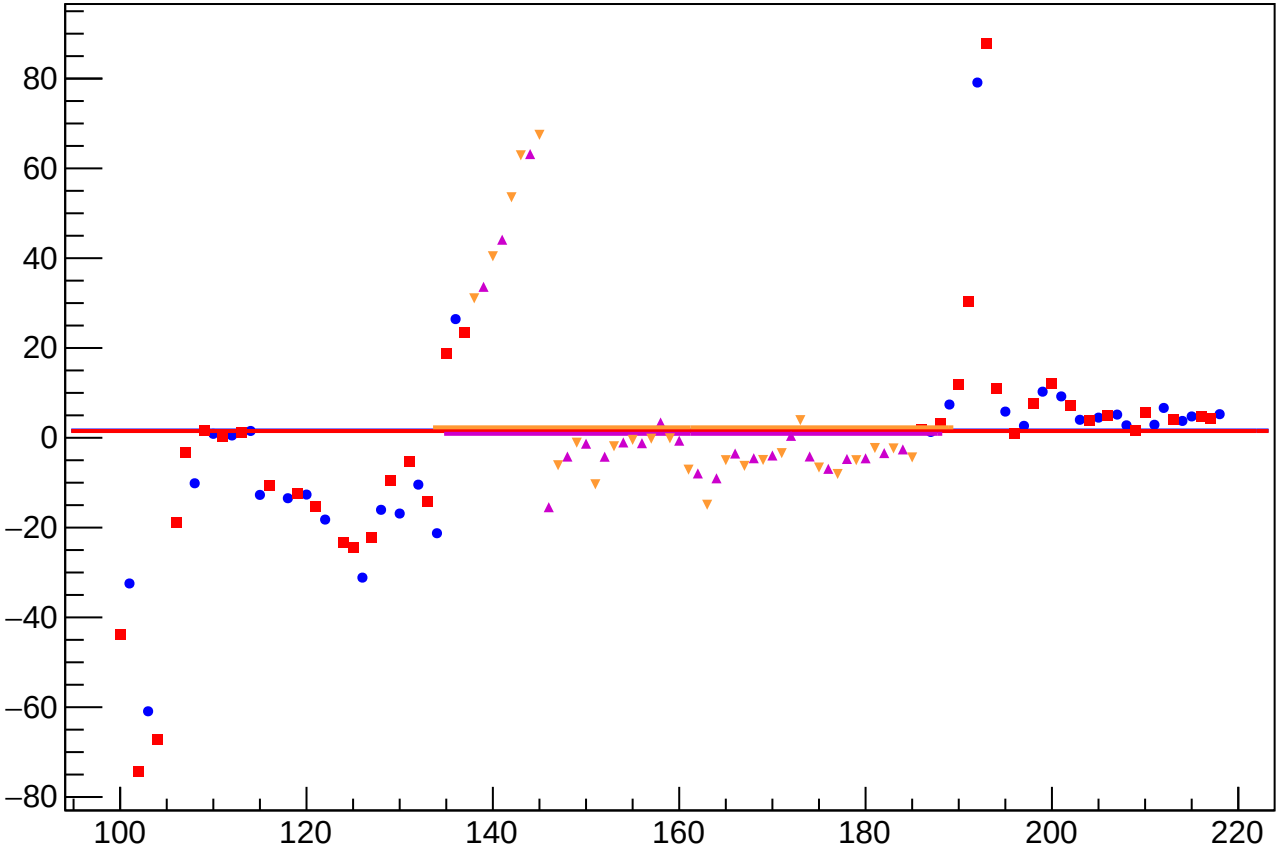
Left In: -0.053+/-0.001 χ^2/NDF:4993.7/22

+ sign -0.016+/-0.001 χ^2/NDF: 43944.6/56

All: -0.013+/-0.001 χ^2/NDF: 89424.1/115

- sign -0.010+/-0.001 χ^2/NDF: 45467.7/58

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs Slug



Right In: 1.619+/-0.035 χ^2/NDF: 120541.8/31

Left Out: 2.329+/-0.041 χ^2/NDF:174647.6/24

Right Out: 1.505+/-0.032 χ^2/NDF: 121400.2/35

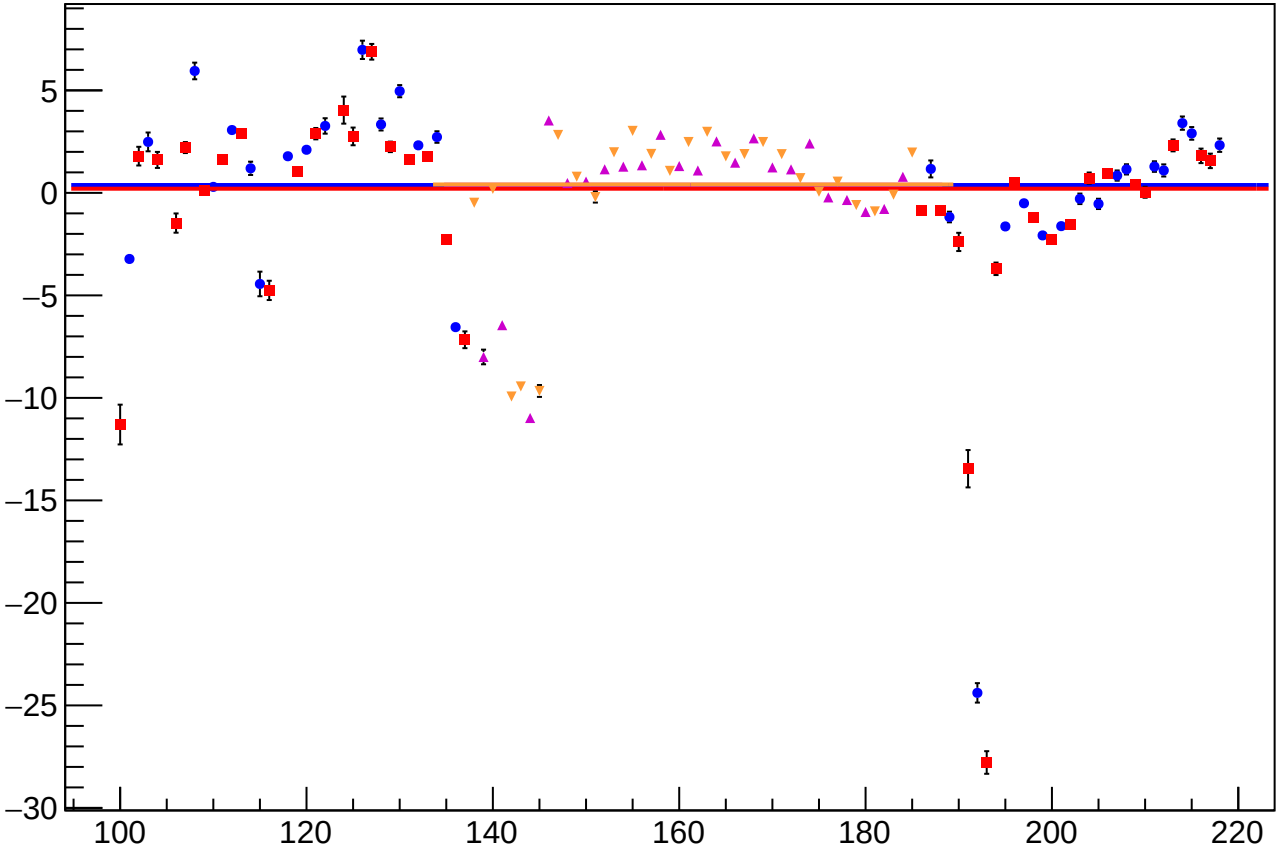
Left In: 0.887+/-0.041 χ^2/NDF:130417.3/22

+ sign 1.916+/-0.027 χ^2/NDF: 295363.1/56

All: 1.575+/-0.018 χ^2/NDF: 547635.0/115

- sign 1.268+/-0.025 χ^2/NDF: 251959.1/58

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs Slug



Right In: 0.383+/-0.045 χ^2/NDF: 6037.5/31

Left Out: 0.410+/-0.033 χ^2/NDF:7047.9/24

Right Out: 0.203+/-0.043 χ^2/NDF: 5152.0/35

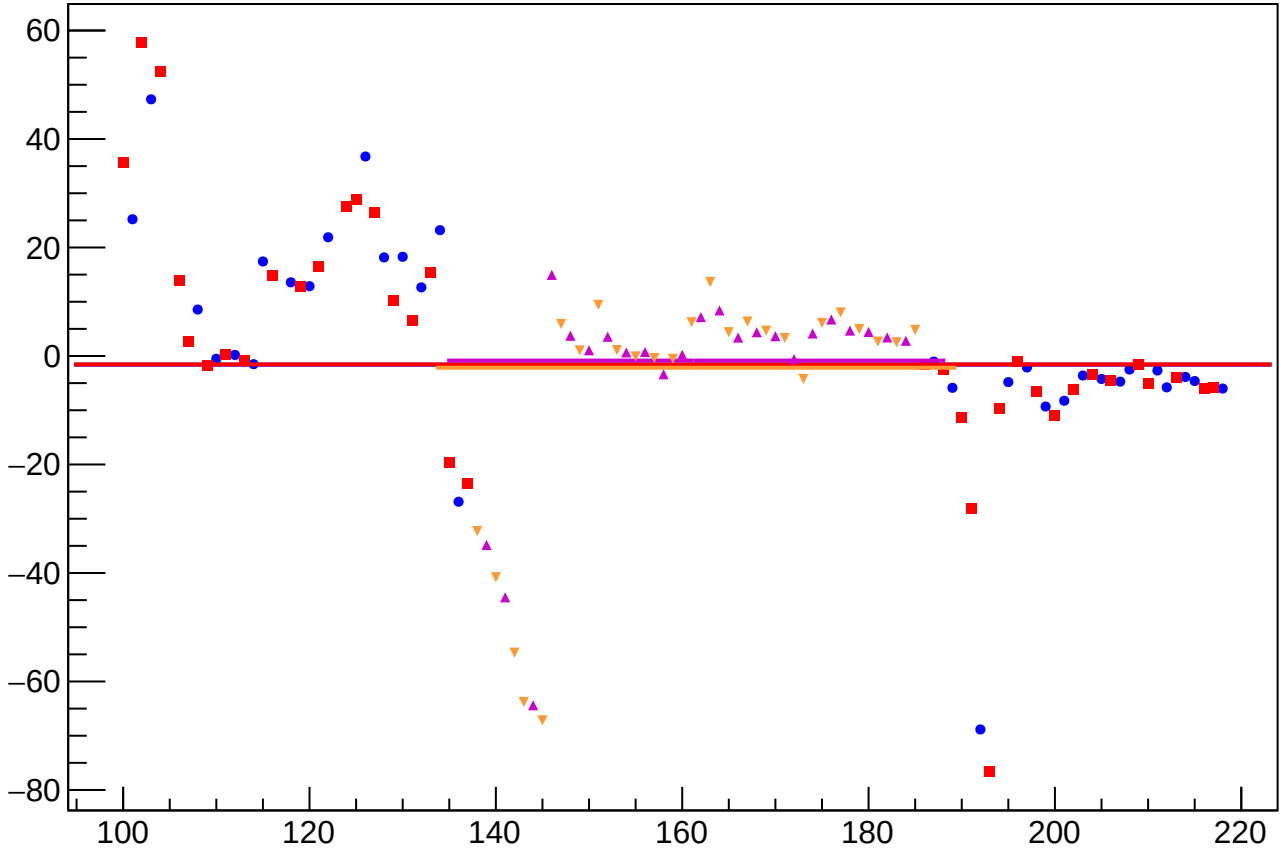
Left In: 0.396+/-0.032 χ^2/NDF:6932.0/22

+ sign 0.400+/-0.027 χ^2/NDF: 13085.6/56

All: 0.362+/-0.019 χ^2/NDF: 25186.6/115

- sign 0.327+/-0.026 χ^2/NDF: 12097.0/58

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs Slug



Right In: -1.595+/-0.036 χ^2/NDF: 118928.3/31

Left Out: -2.163+/-0.041 χ^2/NDF:168990.2/24

Right Out: -1.555+/-0.034 χ^2/NDF: 119724.3/35

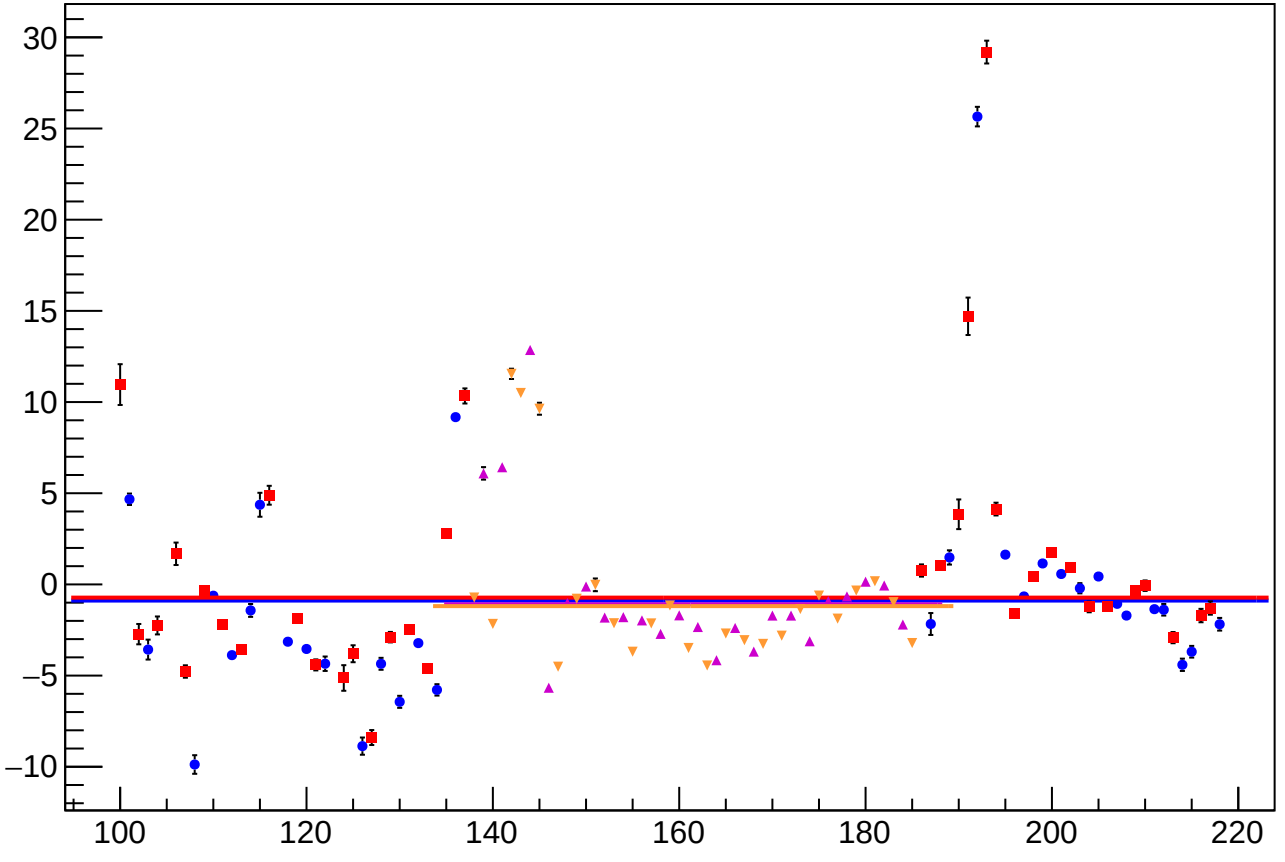
Left In: -0.843+/-0.040 χ^2/NDF:127135.3/22

+ sign -1.843+/-0.027 χ^2/NDF: 288026.6/56

All: -1.538+/-0.019 χ^2/NDF: 535312.5/115

- sign -1.259+/-0.026 χ^2/NDF: 247043.4/58

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs Slug



Right In: -0.886+/-0.051 χ^2/NDF: 7513.8/31

Left Out: -1.190+/-0.037 χ^2/NDF:6995.9/24

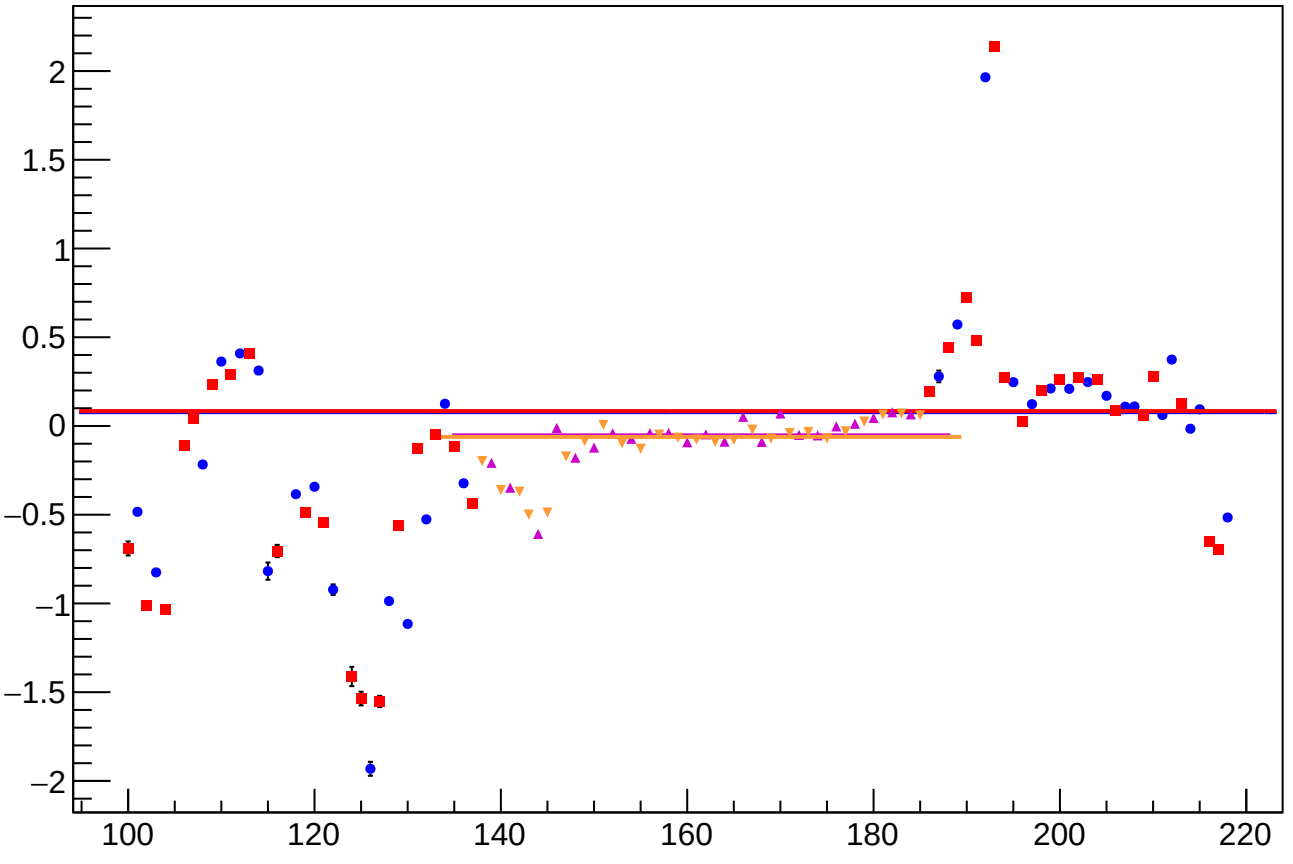
Right Out: -0.724+/-0.049 χ^2/NDF: 5654.0/35

Left In: -1.089+/-0.036 χ^2/NDF:6840.8/22

+ sign -1.085+/-0.030 χ^2/NDF: 14533.1/56

All: -1.022+/-0.021 χ^2/NDF: 27072.7/115

- sign -0.964+/-0.029 χ^2/NDF: 12531.0/58



Right In: 0.078+/-0.002 χ^2/NDF: 34914.0/31

Left Out: -0.062+/-0.002 χ^2/NDF:5563.5/24

Right Out: 0.084+/-0.002 χ^2/NDF: 37293.2/35

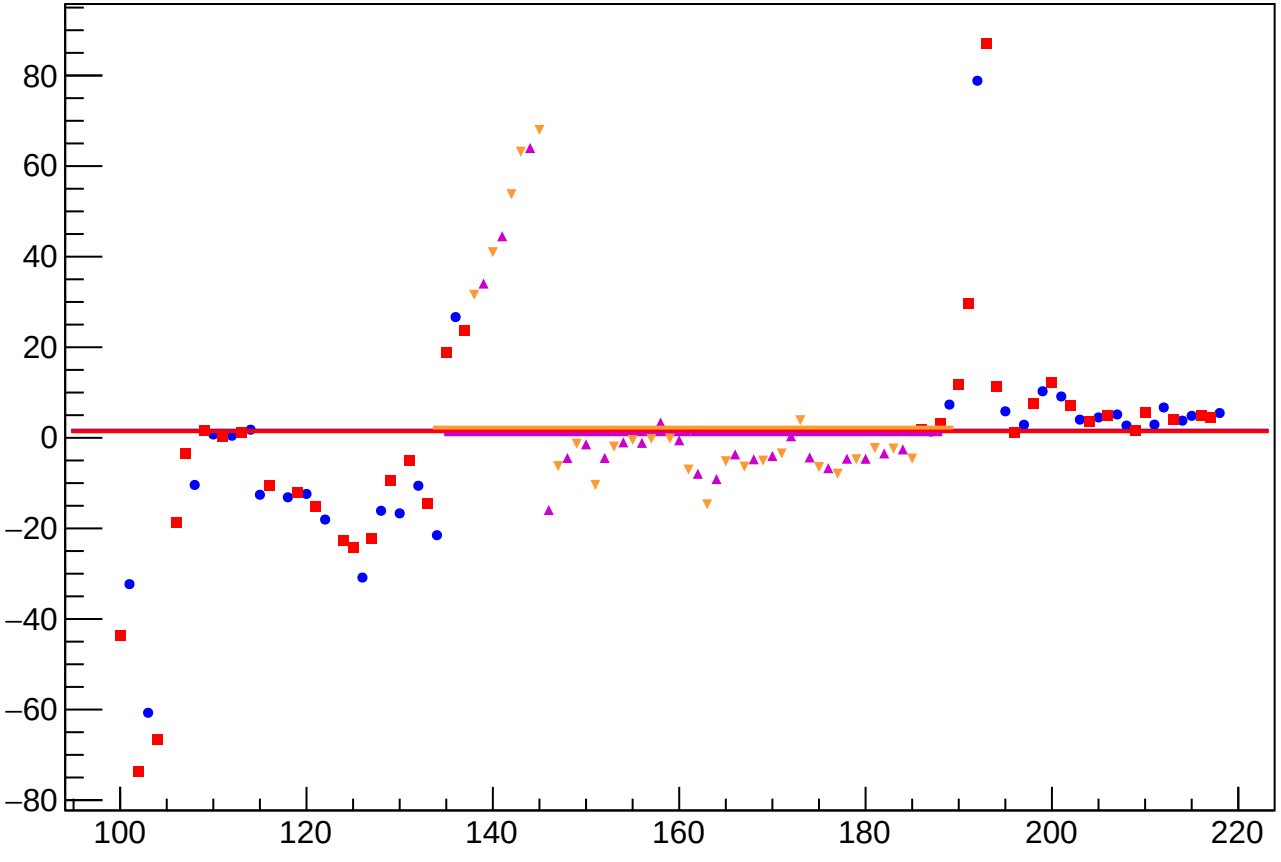
Left In: -0.053+/-0.002 χ^2/NDF:5036.0/22

+ sign -0.015+/-0.001 χ^2/NDF: 42959.4/56

All: -0.012+/-0.001 χ^2/NDF: 87830.0/115

- sign -0.010+/-0.001 χ^2/NDF: 44861.6/58

reg_asym_bcm_dg_us_diff_bpm1X_slope vs Slug



Right In: 1.578+/-0.035 χ^2/NDF: 118962.6/31

Left Out: 2.255+/-0.041 χ^2/NDF:171671.4/24

Right Out: 1.460+/-0.033 χ^2/NDF: 119291.3/35

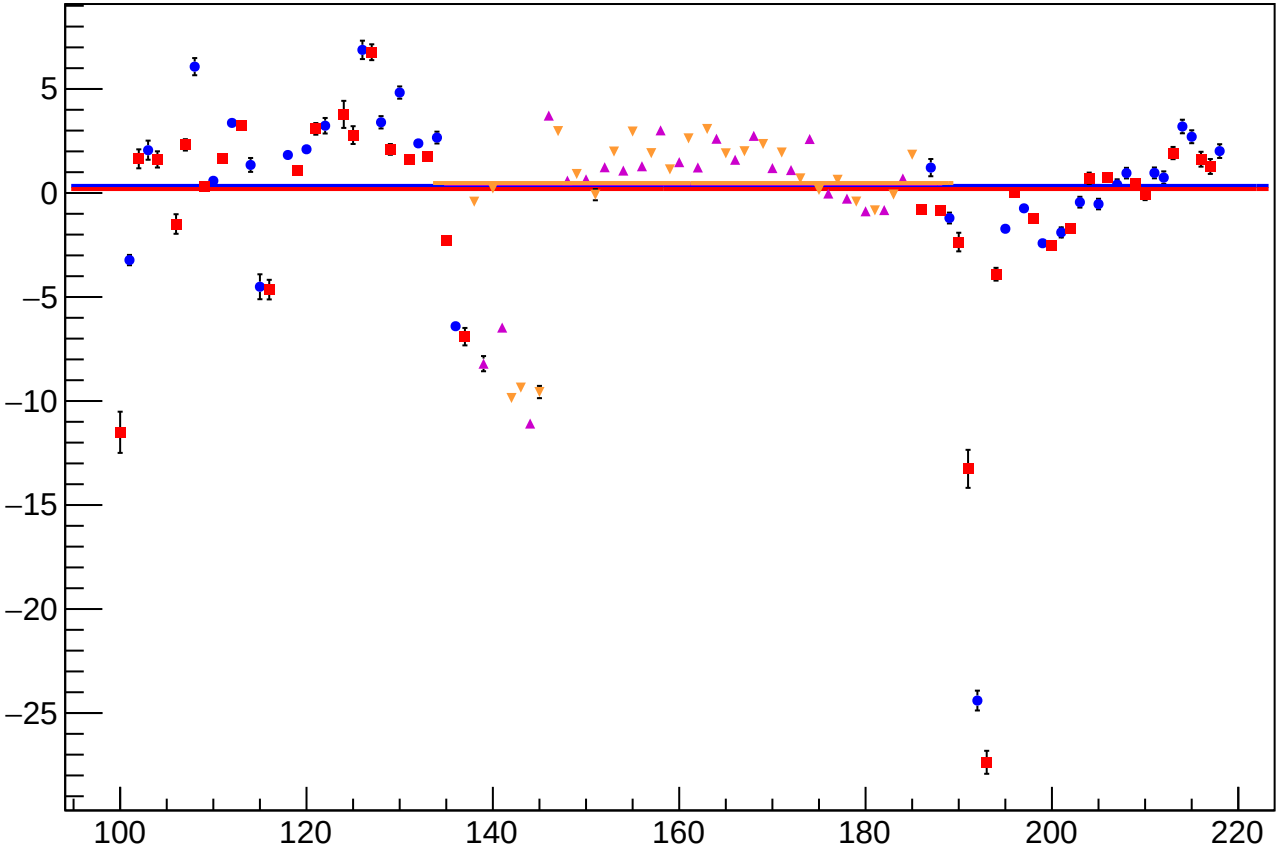
Left In: 0.794+/-0.041 χ^2/NDF:128828.3/22

+ sign 1.863+/-0.027 χ^2/NDF: 290788.0/56

All: 1.516+/-0.019 χ^2/NDF: 539384.7/115

- sign 1.201+/-0.026 χ^2/NDF: 248280.0/58

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs Slug



Right In: 0.341+/-0.045 χ^2/NDF: 5971.3/31

Left Out: 0.479+/-0.034 χ^2/NDF:6808.1/24

Right Out: 0.190+/-0.043 χ^2/NDF: 5038.4/35

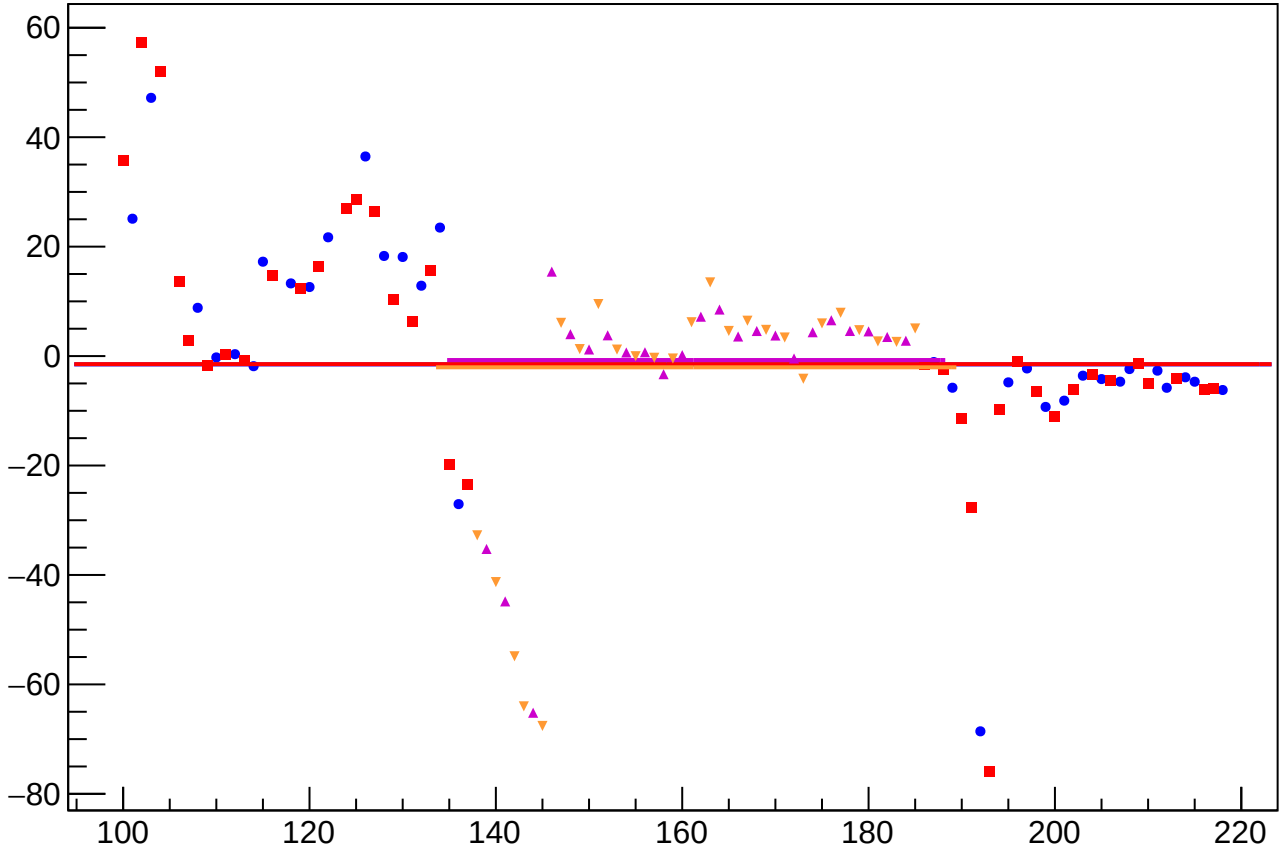
Left In: 0.440+/-0.032 χ^2/NDF:6893.7/22

+ sign 0.429+/-0.027 χ^2/NDF: 12785.3/56

All: 0.388+/-0.019 χ^2/NDF: 24743.4/115

- sign 0.350+/-0.026 χ^2/NDF: 11953.6/58

reg_asym_bcm_dg_us_diff_bpm4eX_slope vs Slug



Right In: -1.522+/-0.037 χ^2/NDF: 117312.0/31

Left Out: -2.051+/-0.041 χ^2/NDF:166009.6/24

Right Out: -1.472+/-0.034 χ^2/NDF: 117650.9/35

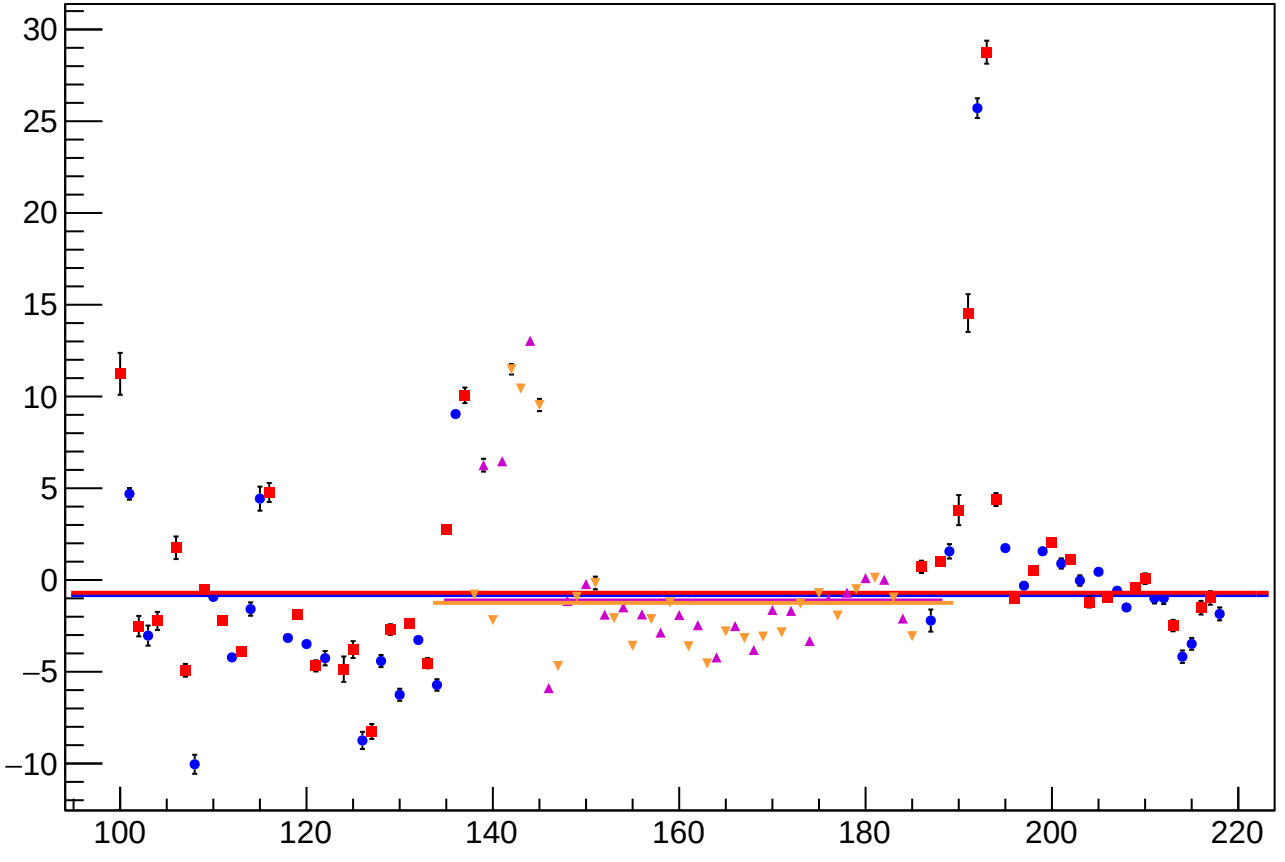
Left In: -0.720+/-0.041 χ^2/NDF:125531.3/22

+ sign -1.754+/-0.027 χ^2/NDF: 283413.1/56

All: -1.442+/-0.019 χ^2/NDF: 527041.8/115

- sign -1.158+/-0.026 χ^2/NDF: 243381.8/58

reg_asym_bcm_dg_us_diff_bpm4eY_slope vs Slug



Right In: -0.821+/-0.052 χ^2/NDF: 7367.7/31

Left Out: -1.244+/-0.037 χ^2/NDF:6768.7/24

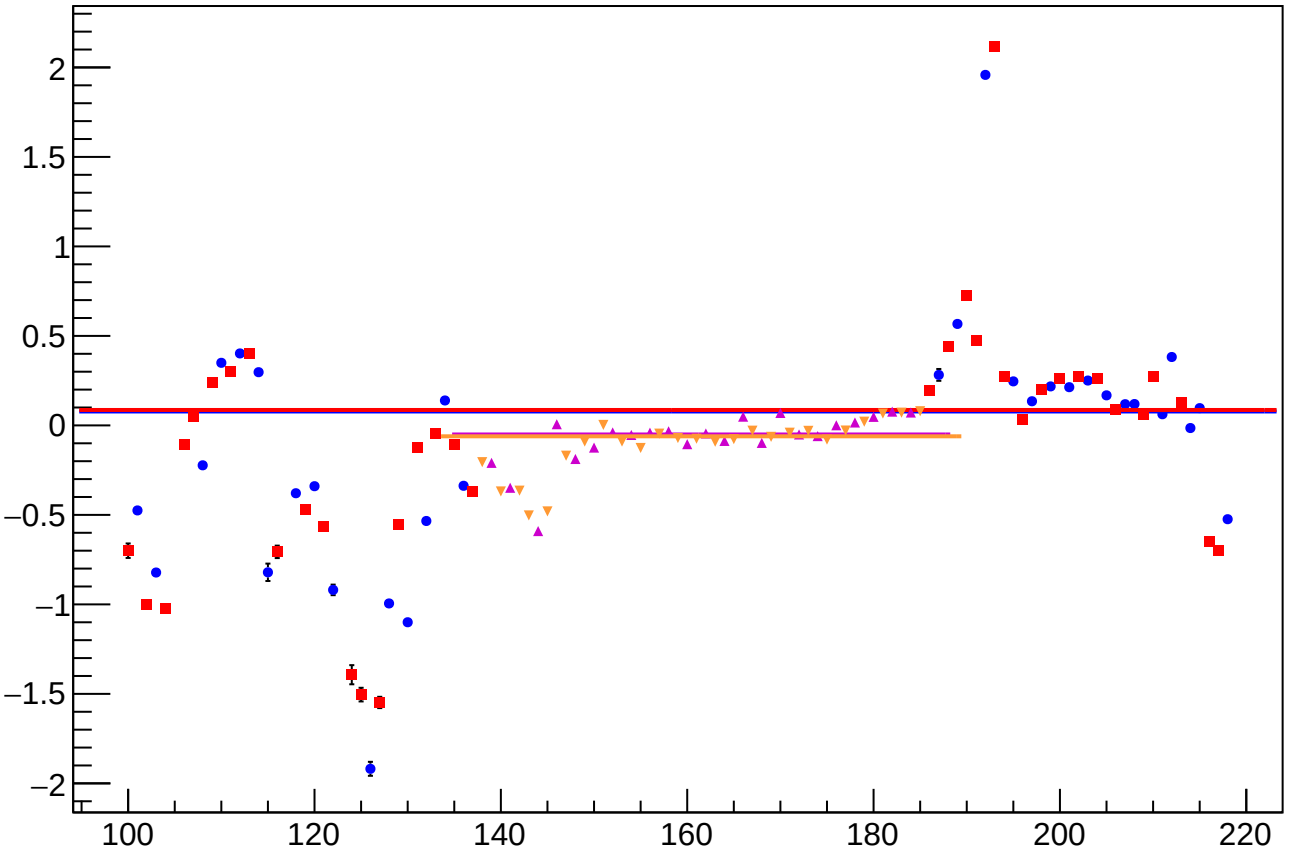
Right Out: -0.695+/-0.050 χ^2/NDF: 5503.0/35

Left In: -1.117+/-0.036 χ^2/NDF:6840.3/22

+ sign -1.099+/-0.030 χ^2/NDF: 14180.6/56

All: -1.033+/-0.021 χ^2/NDF: 26580.0/115

- sign -0.973+/-0.029 χ^2/NDF: 12390.4/58



Right In: 0.078+/-0.002 χ^2/NDF: 34595.0/31

Left Out: -0.061+/-0.002 χ^2/NDF:5479.8/24

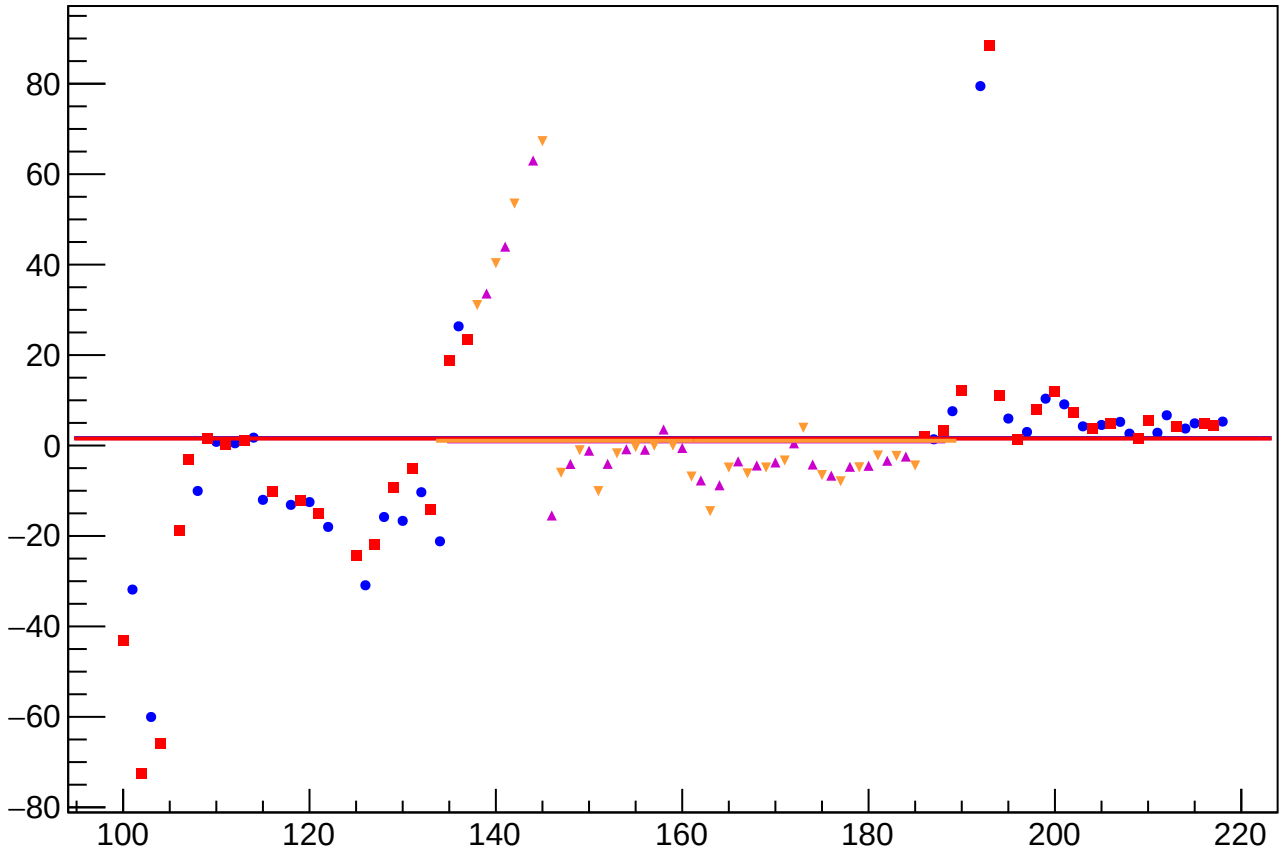
Right Out: 0.086+/-0.002 χ^2/NDF: 36311.8/35

Left In: -0.051+/-0.002 χ^2/NDF:4878.7/22

+ sign -0.015+/-0.001 χ^2/NDF: 42478.3/56

All: -0.011+/-0.001 χ^2/NDF: 86155.3/115

- sign -0.008+/-0.001 χ^2/NDF: 43662.4/58



Right In: 1.636+/-0.034 χ^2/NDF: 122658.7/31

Left Out: 1.053+/-0.041 χ^2/NDF:131031.0/23

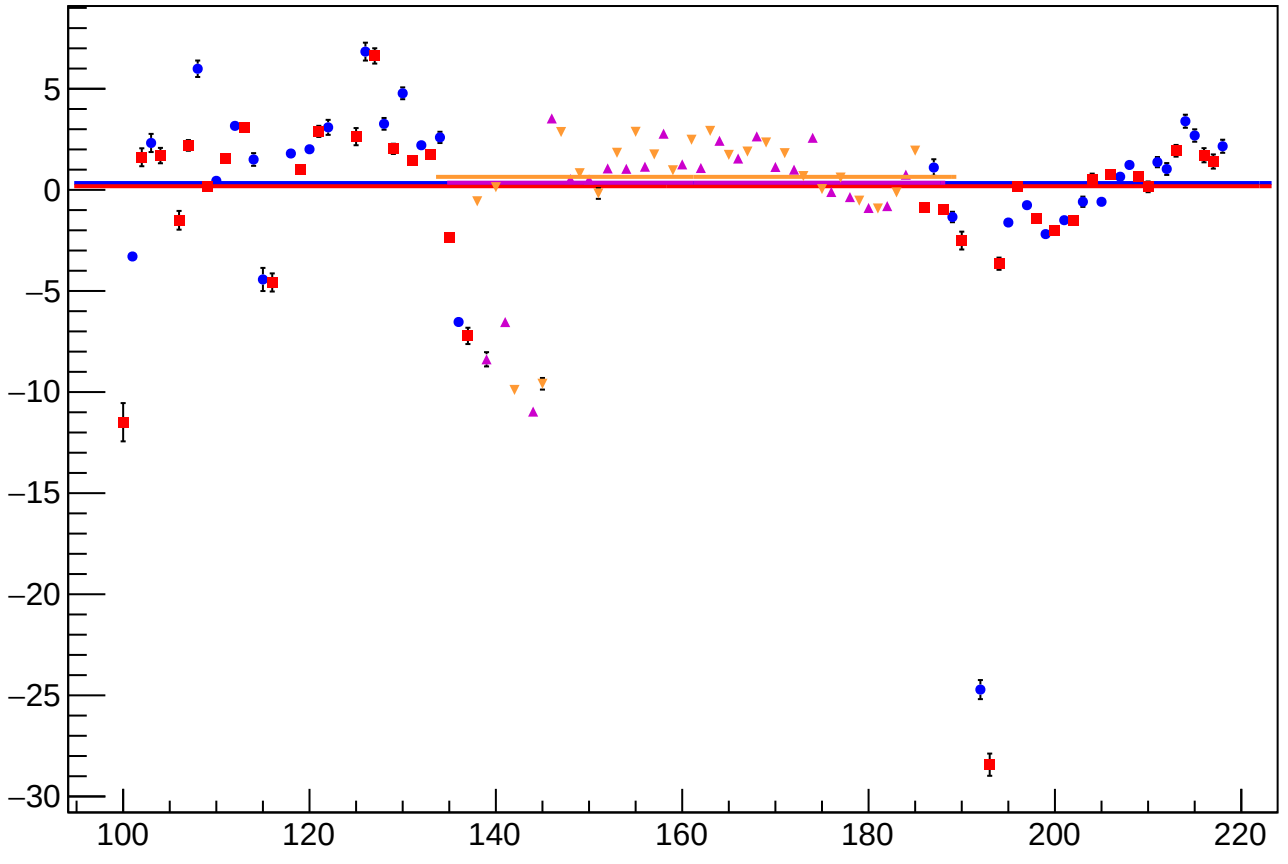
Right Out: 1.547+/-0.032 χ^2/NDF: 120328.8/33

Left In: 0.913+/-0.040 χ^2/NDF:132807.5/22

+ sign 1.393+/-0.026 χ^2/NDF: 253809.8/55

All: 1.345+/-0.018 χ^2/NDF: 507108.4/112

- sign 1.302+/-0.025 χ^2/NDF: 253292.1/56



Right In: 0.338+/-0.044 χ^2/NDF: 6211.0/31

Left Out: 0.644+/-0.033 χ^2/NDF:4711.1/23

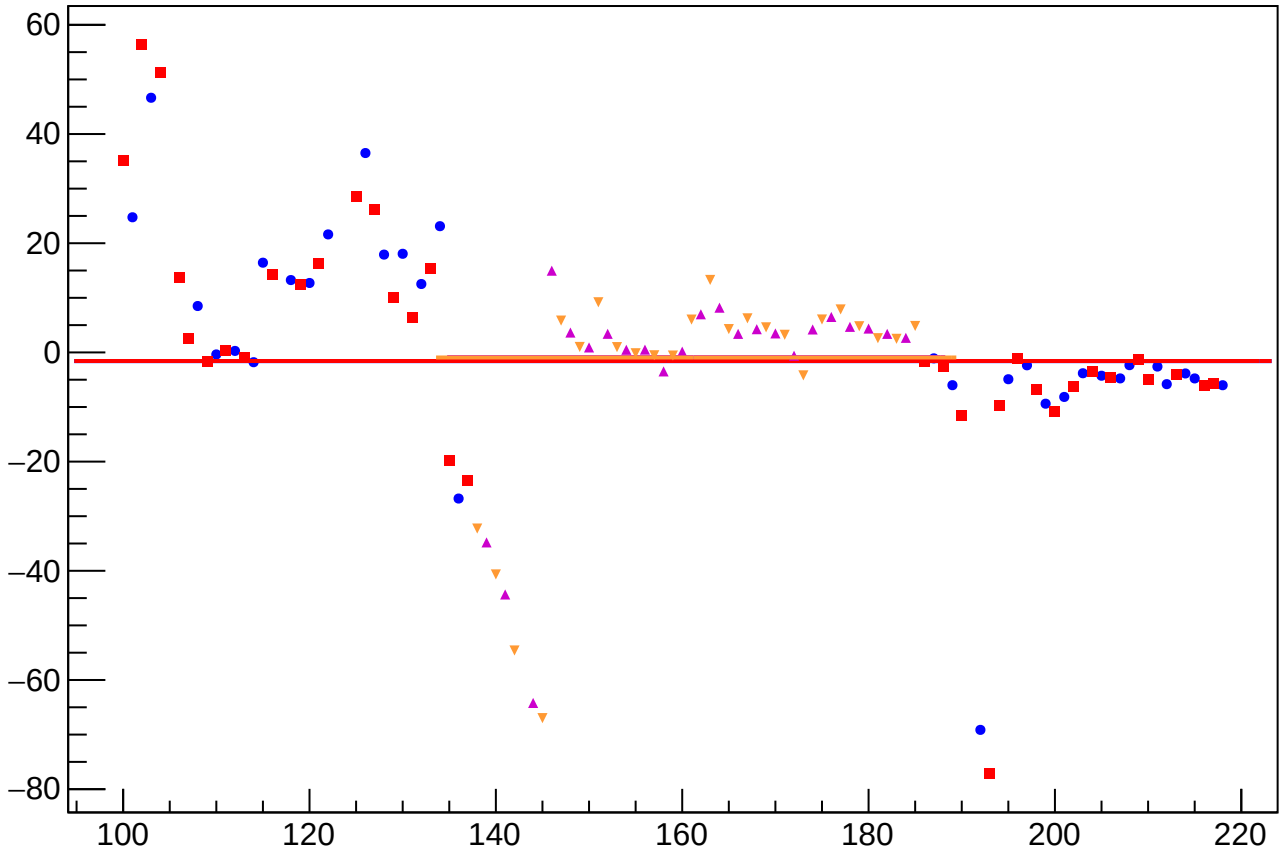
Right Out: 0.180+/-0.042 χ^2/NDF: 5069.7/33

Left In: 0.355+/-0.031 χ^2/NDF:7117.0/22

+ sign 0.532+/-0.026 χ^2/NDF: 10953.1/55

All: 0.406+/-0.018 χ^2/NDF: 23193.9/112

- sign 0.293+/-0.025 χ^2/NDF: 12197.9/56



Right In: -1.601+/-0.036 χ^2/NDF: 120989.4/31

Left Out: -0.929+/-0.041 χ^2/NDF:126378.7/23

Right Out: -1.572+/-0.033 χ^2/NDF: 118767.3/33

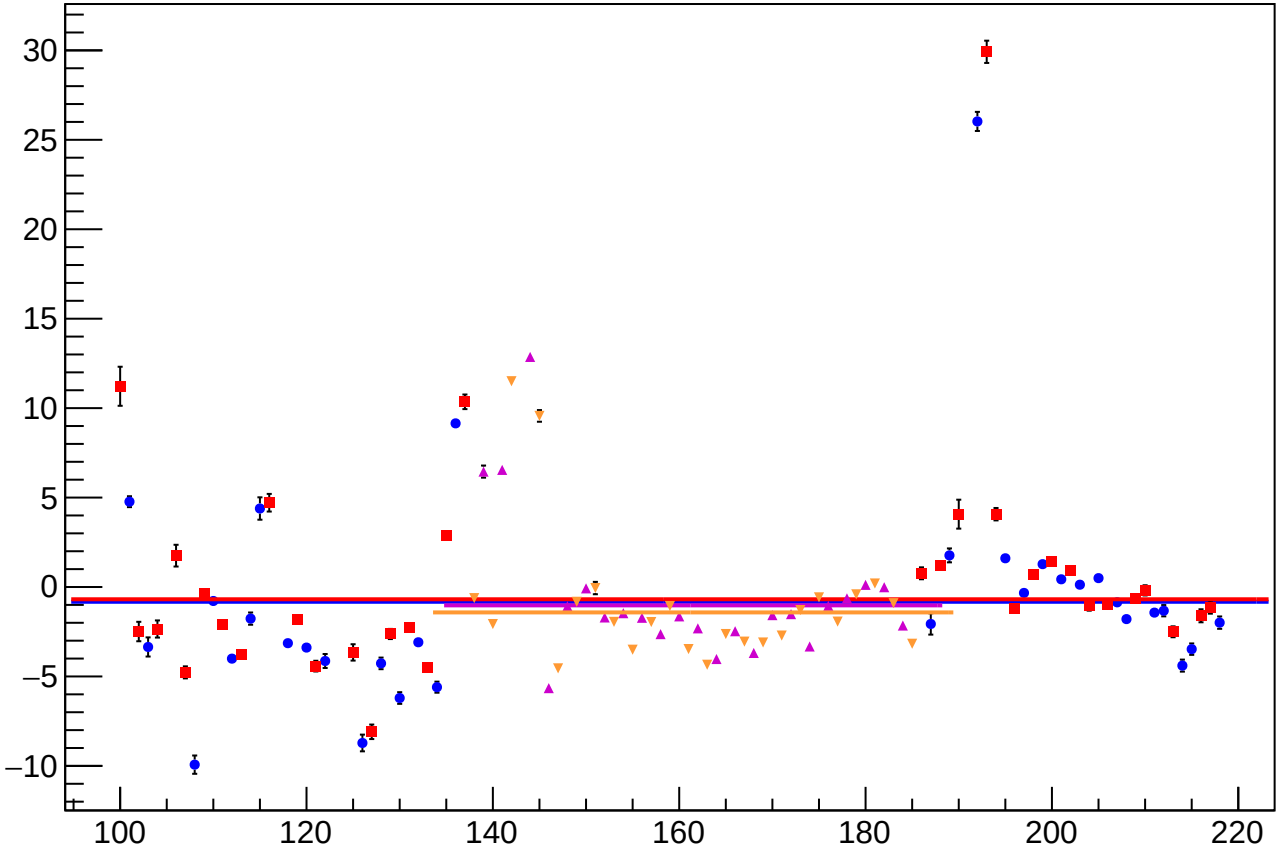
Left In: -0.860+/-0.039 χ^2/NDF:129485.0/22

+ sign -1.308+/-0.027 χ^2/NDF: 247523.0/55

All: -1.289+/-0.018 χ^2/NDF: 495966.6/112

- sign -1.272+/-0.025 χ^2/NDF: 248442.6/56

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm4eY_slope vs Slug



Right In: -0.825+/-0.050 χ^2/NDF: 7691.8/31

Left Out: -1.420+/-0.037 χ^2/NDF:4642.0/23

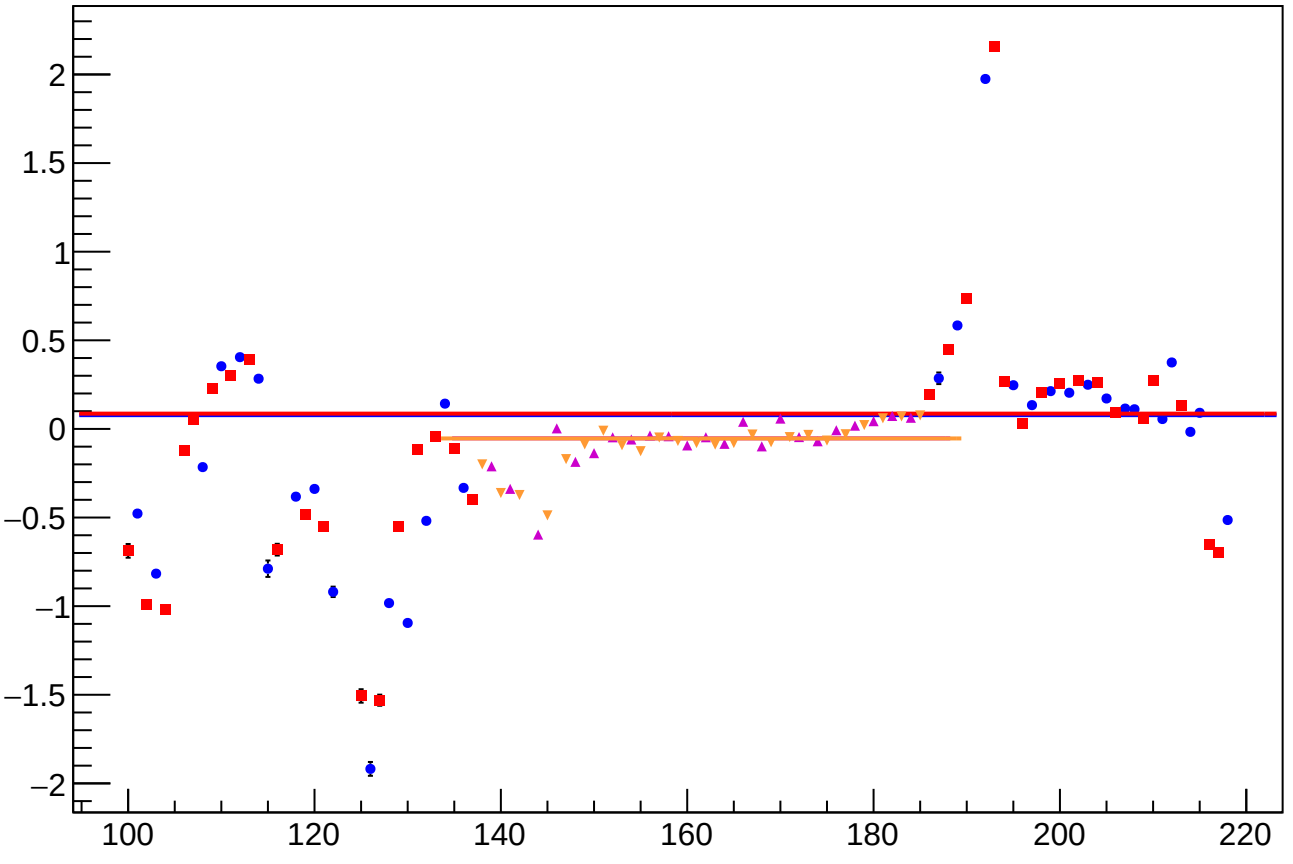
Right Out: -0.685+/-0.048 χ^2/NDF: 5553.3/33

Left In: -1.026+/-0.035 χ^2/NDF:7047.1/22

+ sign -1.213+/-0.030 χ^2/NDF: 12425.7/55

All: -1.055+/-0.020 χ^2/NDF: 25113.5/112

- sign -0.910+/-0.028 χ^2/NDF: 12633.0/56



Right In: 0.078+/-0.002 χ^2/NDF: 35724.3/31

Left Out: -0.054+/-0.002 χ^2/NDF:4340.0/23

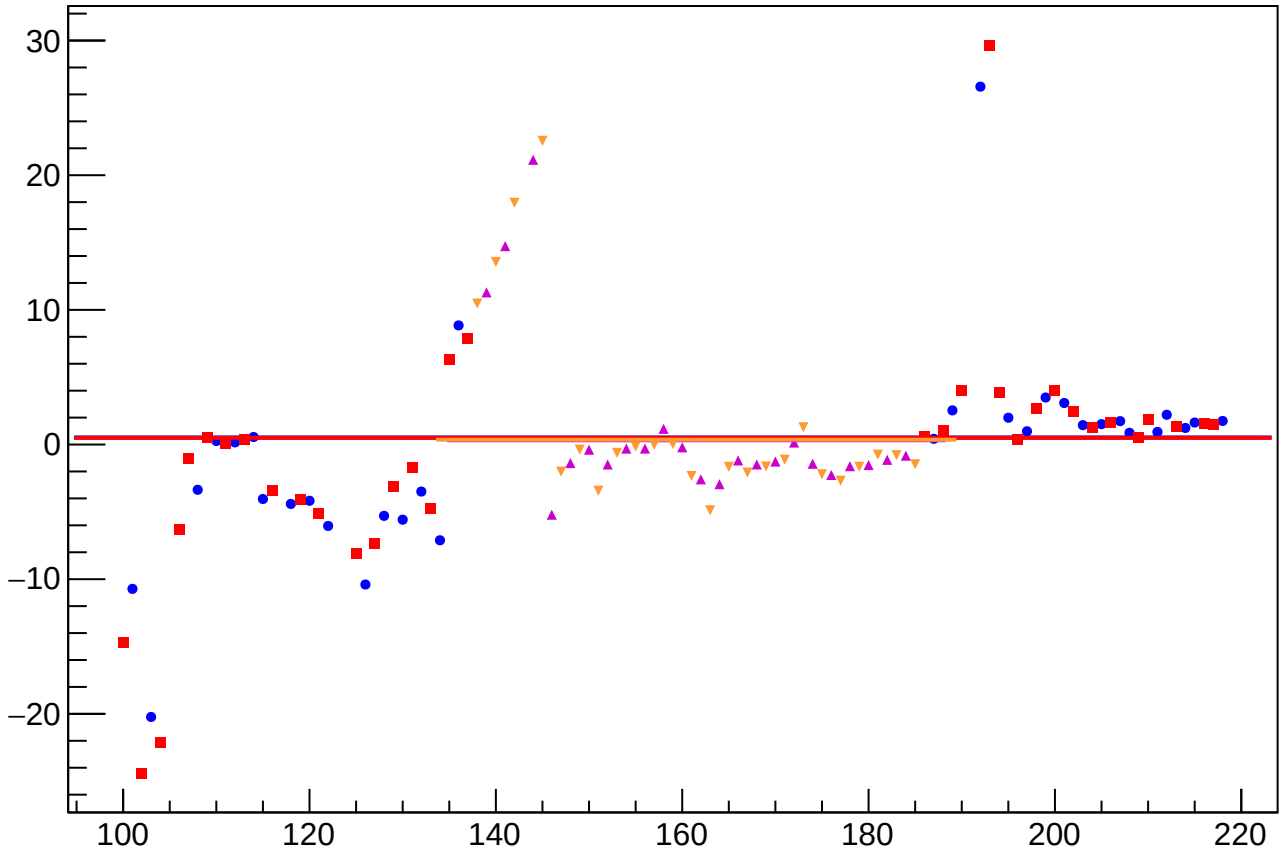
Right Out: 0.086+/-0.002 χ^2/NDF: 36879.8/33

Left In: -0.053+/-0.001 χ^2/NDF:5009.7/22

+ sign -0.010+/-0.001 χ^2/NDF: 42330.1/55

All: -0.010+/-0.001 χ^2/NDF: 86930.2/112

- sign -0.010+/-0.001 χ^2/NDF: 44600.1/56



Right In: 0.524+/-0.012 χ^2/NDF: 120529.8/31

Left Out: 0.359+/-0.014 χ^2/NDF:128829.7/23

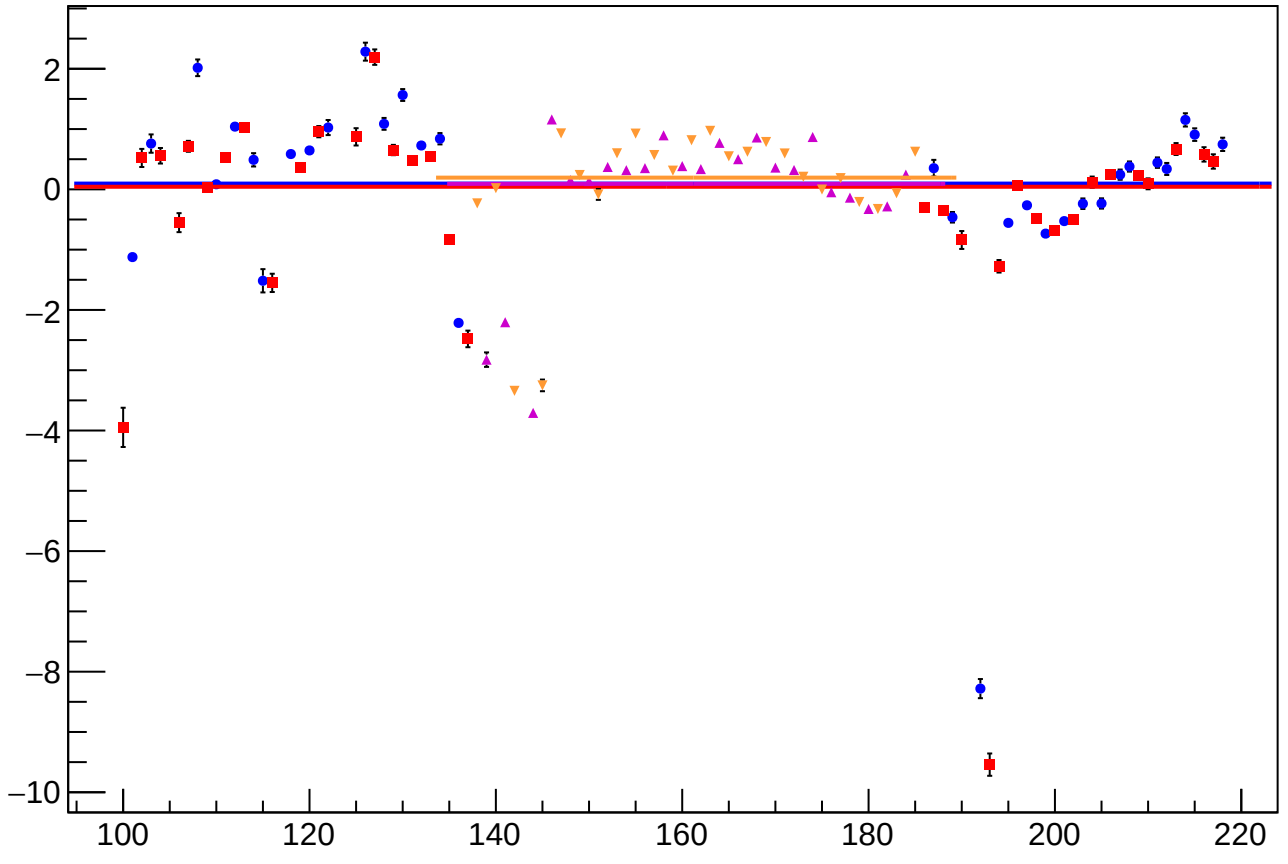
Right Out: 0.498+/-0.011 χ^2/NDF: 118405.4/33

Left In: 0.317+/-0.014 χ^2/NDF:130224.2/22

+ sign 0.455+/-0.009 χ^2/NDF: 249442.2/55

All: 0.441+/-0.006 χ^2/NDF: 498184.0/112

- sign 0.428+/-0.009 χ^2/NDF: 248736.9/56



Right In: 0.096+/-0.015 χ^2/NDF: 6091.7/31

Left Out: 0.194+/-0.011 χ^2/NDF:4645.0/23

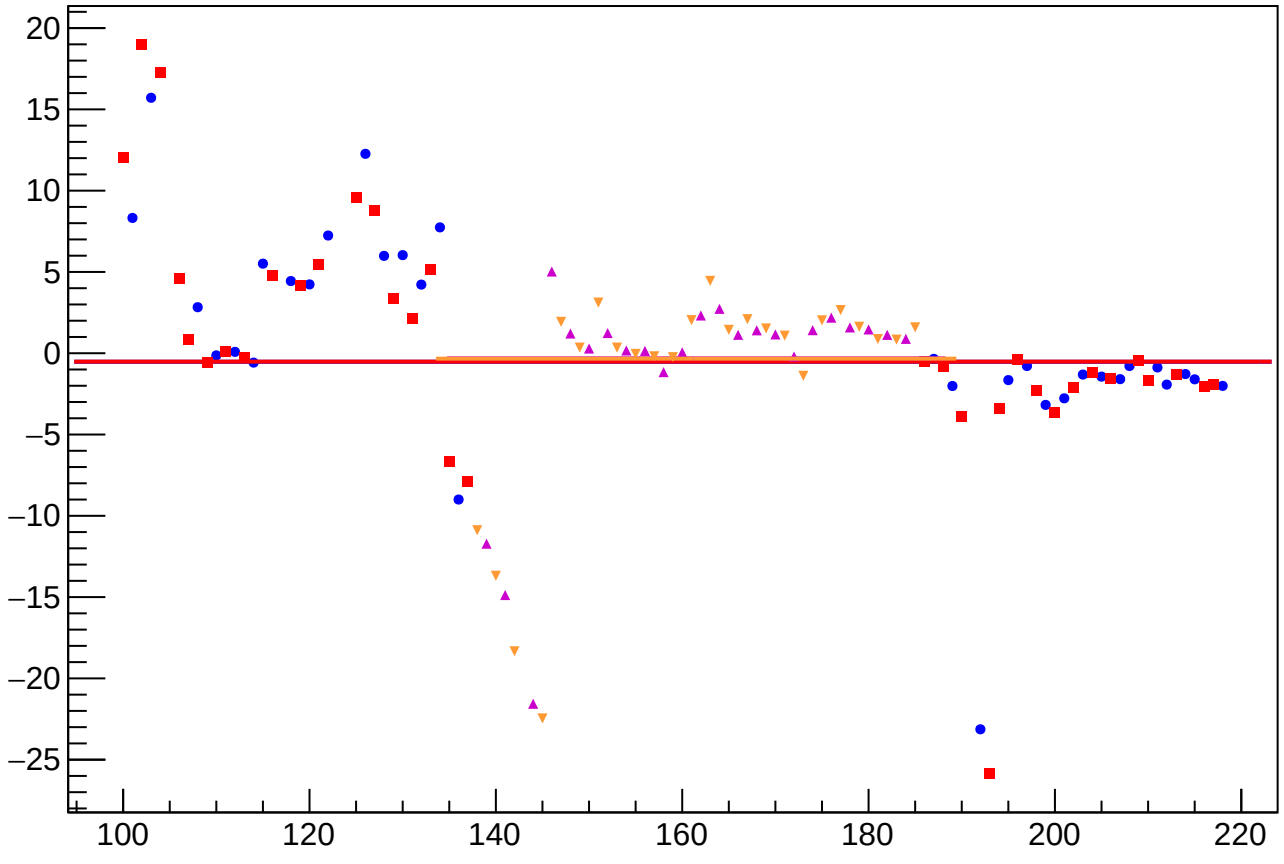
Right Out: 0.043+/-0.014 χ^2/NDF: 4982.5/33

Left In: 0.091+/-0.011 χ^2/NDF:6936.4/22

\+ sign 0.159+/-0.009 χ^2/NDF: 10764.3/55

All: 0.114+/-0.006 χ^2/NDF: 22736.2/112

\- sign 0.074+/-0.009 χ^2/NDF: 11926.1/56



Right In: -0.525+/-0.012 χ^2/NDF: 118917.3/31

Left Out: -0.332+/-0.014 χ^2/NDF:124233.4/23

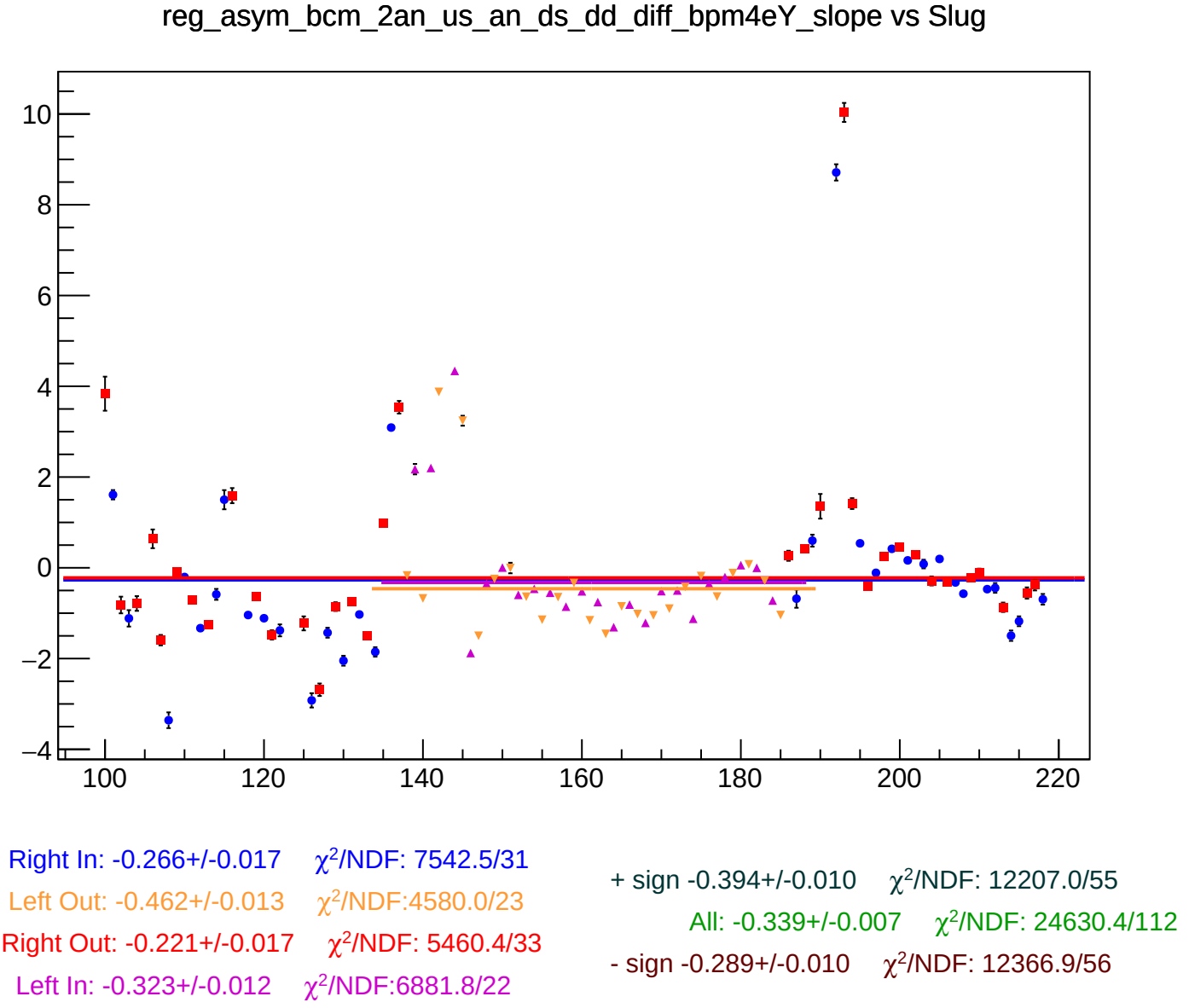
Right Out: -0.517+/-0.011 χ^2/NDF: 116908.1/33

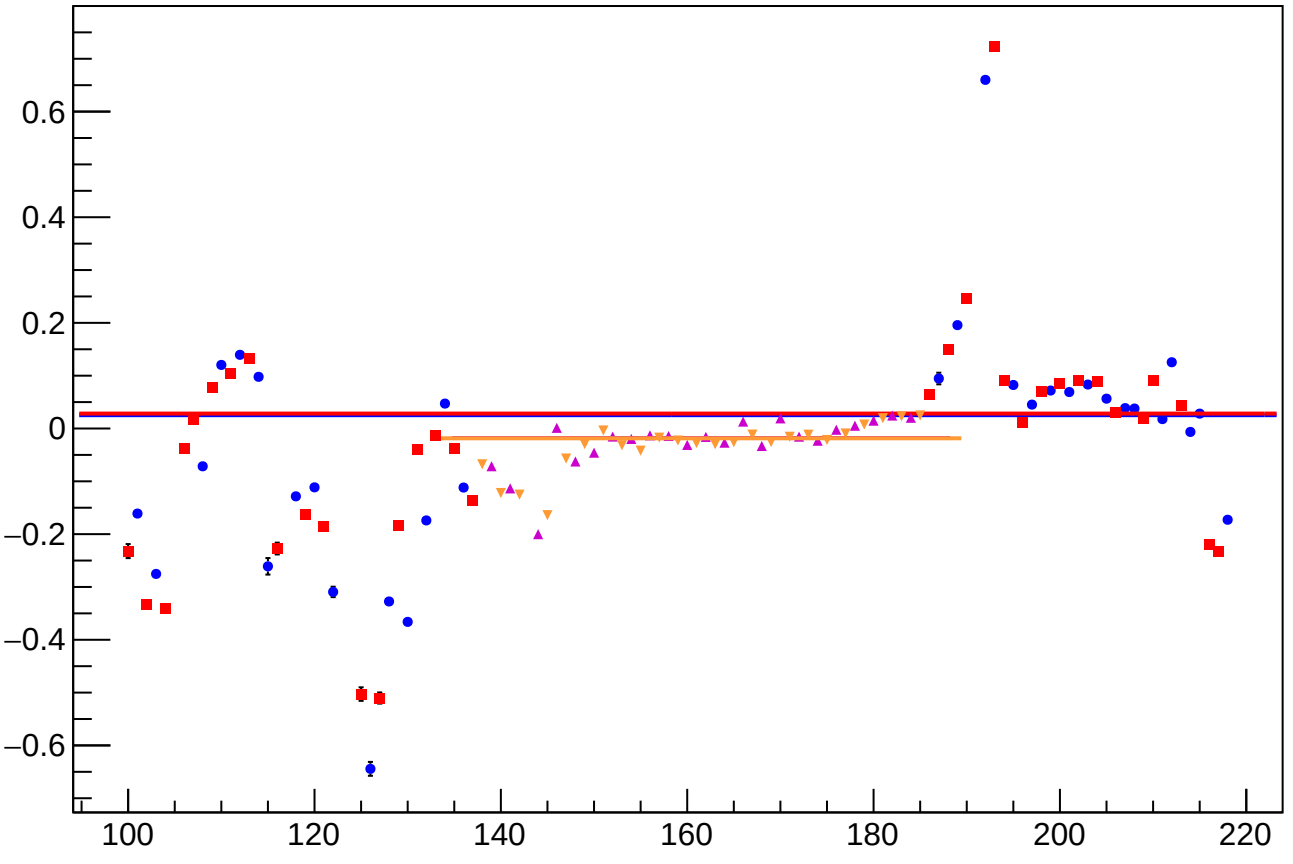
Left In: -0.314+/-0.013 χ^2/NDF:126999.2/22

+ sign -0.441+/-0.009 χ^2/NDF: 243260.0/55

All: -0.436+/-0.006 χ^2/NDF: 487300.6/112

- sign -0.432+/-0.009 χ^2/NDF: 244040.1/56


reg_asym_bcm_2an_us_an_ds_dd_diff_bpm4eY_slope vs Slug
10
8
6
4
2
0
−2
−4
100
120
140
160
180
200
220
Right In: -0.266+/-0.017 χ²/NDF: 7542.5/31
Left Out: -0.462+/-0.013 χ²/NDF:4580.0/23
Right Out: -0.221+/-0.017 χ²/NDF: 5460.4/33
Left In: -0.323+/-0.012 χ²/NDF:6881.8/22
+ sign -0.394+/-0.010 χ²/NDF: 12207.0/55
All: -0.339+/-0.007 χ²/NDF: 24630.4/112
- sign -0.289+/-0.010 χ²/NDF: 12366.9/56



Right In: 0.025+/-0.001 χ^2/NDF: 35100.4/31

Left Out: -0.019+/-0.001 χ^2/NDF:4227.5/23

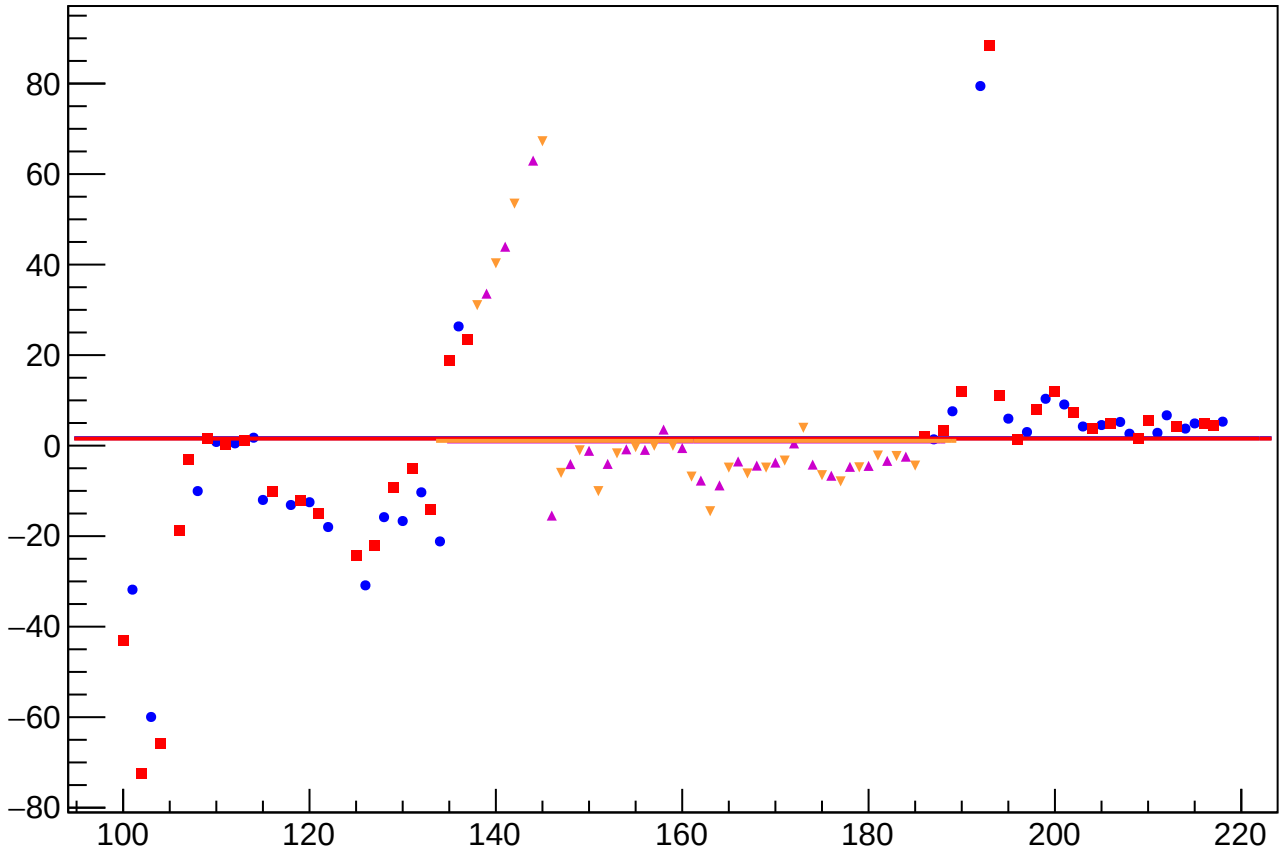
Right Out: 0.028+/-0.001 χ^2/NDF: 36153.5/33

Left In: -0.018+/-0.001 χ^2/NDF:4879.3/22

+ sign -0.004+/-0.000 χ^2/NDF: 41466.8/55

All: -0.004+/-0.000 χ^2/NDF: 85031.6/112

- sign -0.004+/-0.000 χ^2/NDF: 43564.6/56



Right In: 1.641+/-0.034 χ^2/NDF: 122684.6/31

Left Out: 1.058+/-0.041 χ^2/NDF:131010.5/23

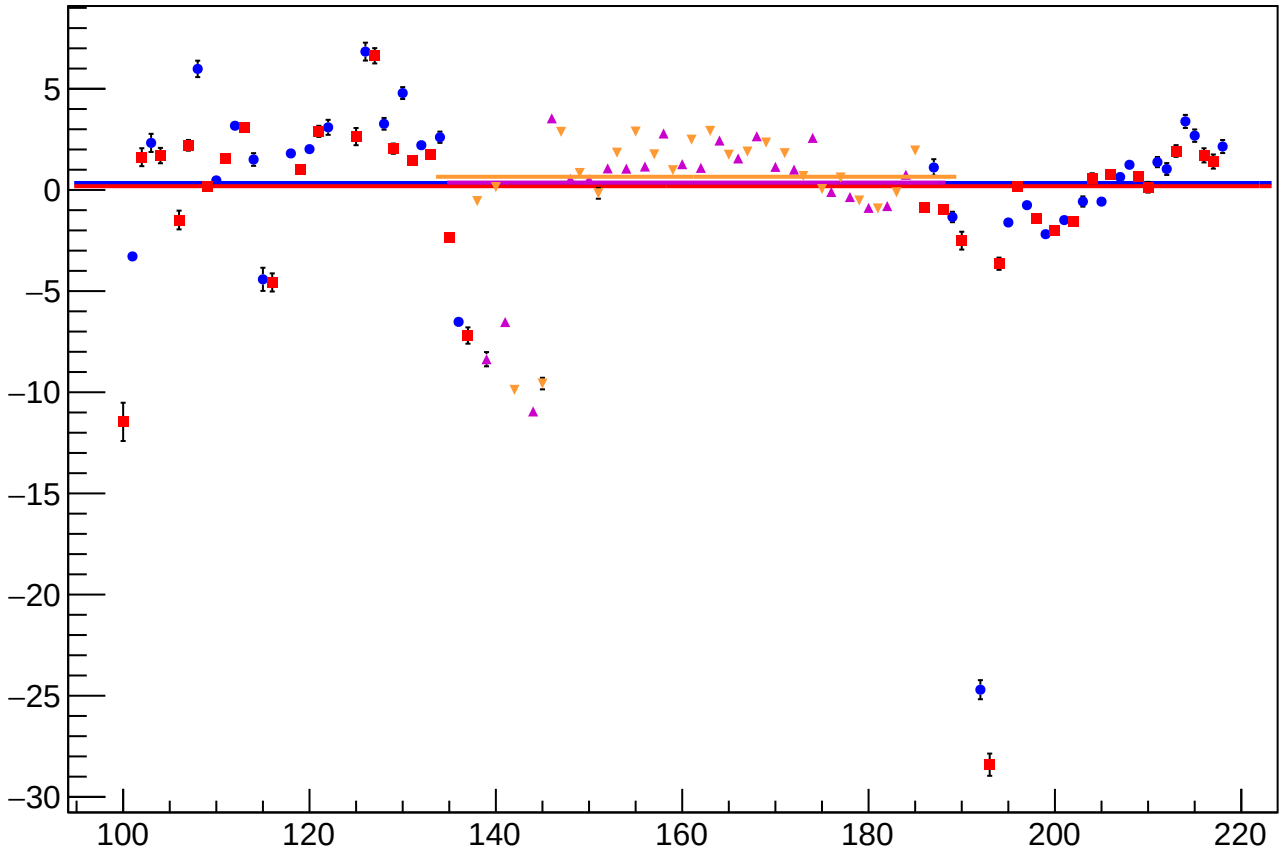
Right Out: 1.552+/-0.032 χ^2/NDF: 120355.6/33

Left In: 0.915+/-0.040 χ^2/NDF:132816.1/22

+ sign 1.398+/-0.026 χ^2/NDF: 253816.0/55

All: 1.349+/-0.018 χ^2/NDF: 507151.4/112

- sign 1.306+/-0.025 χ^2/NDF: 253328.9/56



Right In: 0.344+/-0.044 χ^2/NDF: 6213.0/31

Left Out: 0.651+/-0.033 χ^2/NDF:4708.8/23

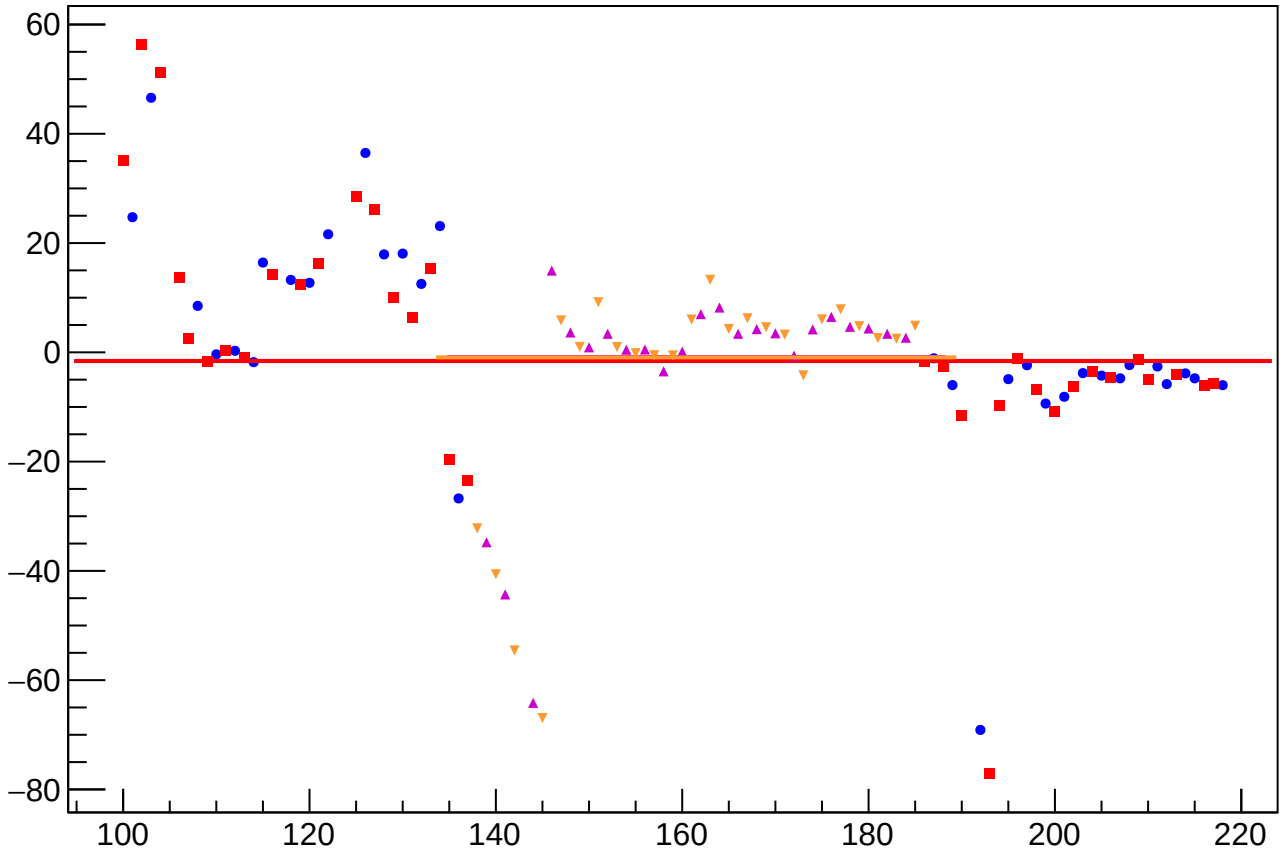
Right Out: 0.186+/-0.042 χ^2/NDF: 5070.5/33

Left In: 0.364+/-0.031 χ^2/NDF:7122.4/22

+ sign 0.539+/-0.026 χ^2/NDF: 10953.1/55

All: 0.414+/-0.018 χ^2/NDF: 23200.5/112

- sign 0.301+/-0.025 χ^2/NDF: 12204.5/56



Right In: -1.601+/-0.036 χ^2/NDF: 121011.6/31

Left Out: -0.927+/-0.041 χ^2/NDF:126360.1/23

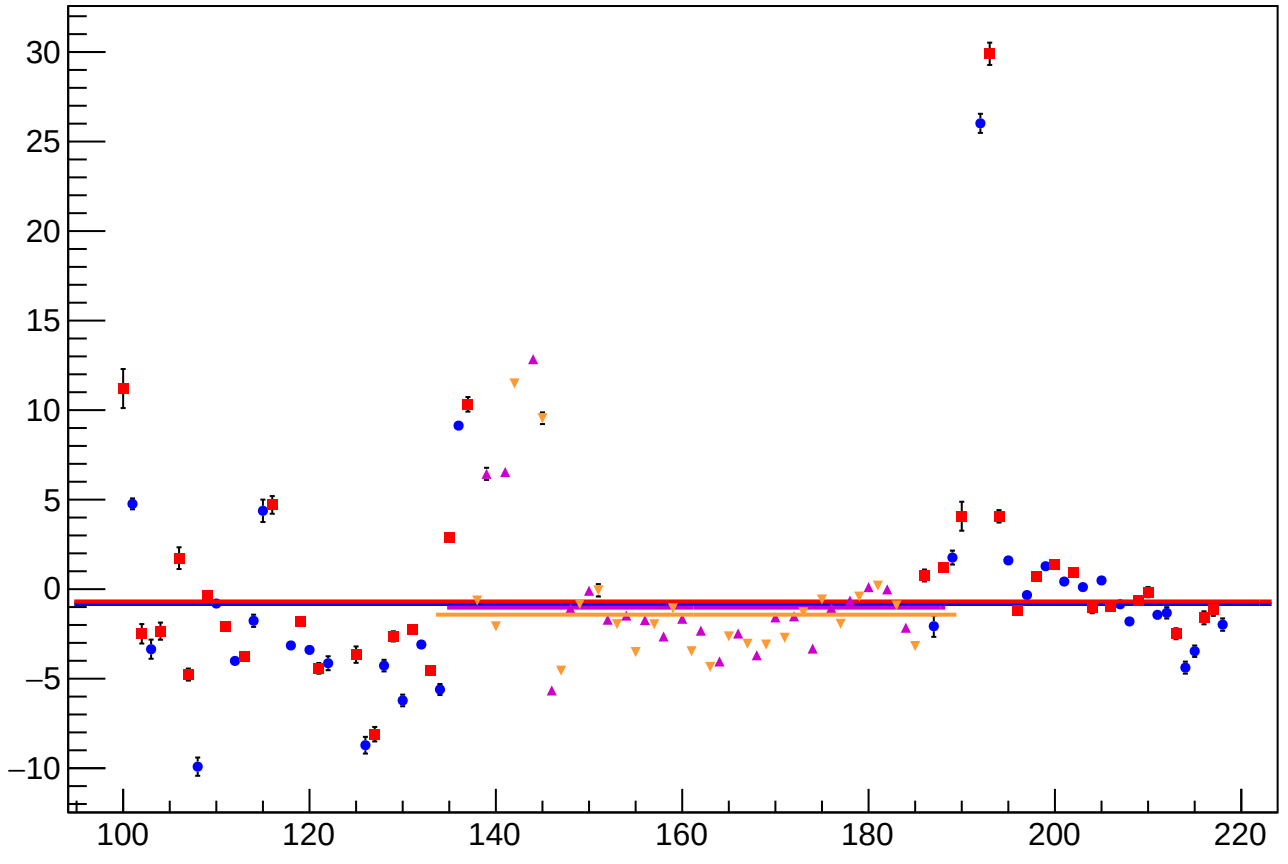
Right Out: -1.572+/-0.033 χ^2/NDF: 118788.8/33

Left In: -0.858+/-0.039 χ^2/NDF:129490.8/22

+ sign -1.307+/-0.027 χ^2/NDF: 247527.8/55

All: -1.288+/-0.018 χ^2/NDF: 496000.7/112

- sign -1.271+/-0.025 χ^2/NDF: 248471.9/56



Right In: -0.829+/-0.050 χ^2/NDF: 7693.2/31

Left Out: -1.425+/-0.037 χ^2/NDF:4639.6/23

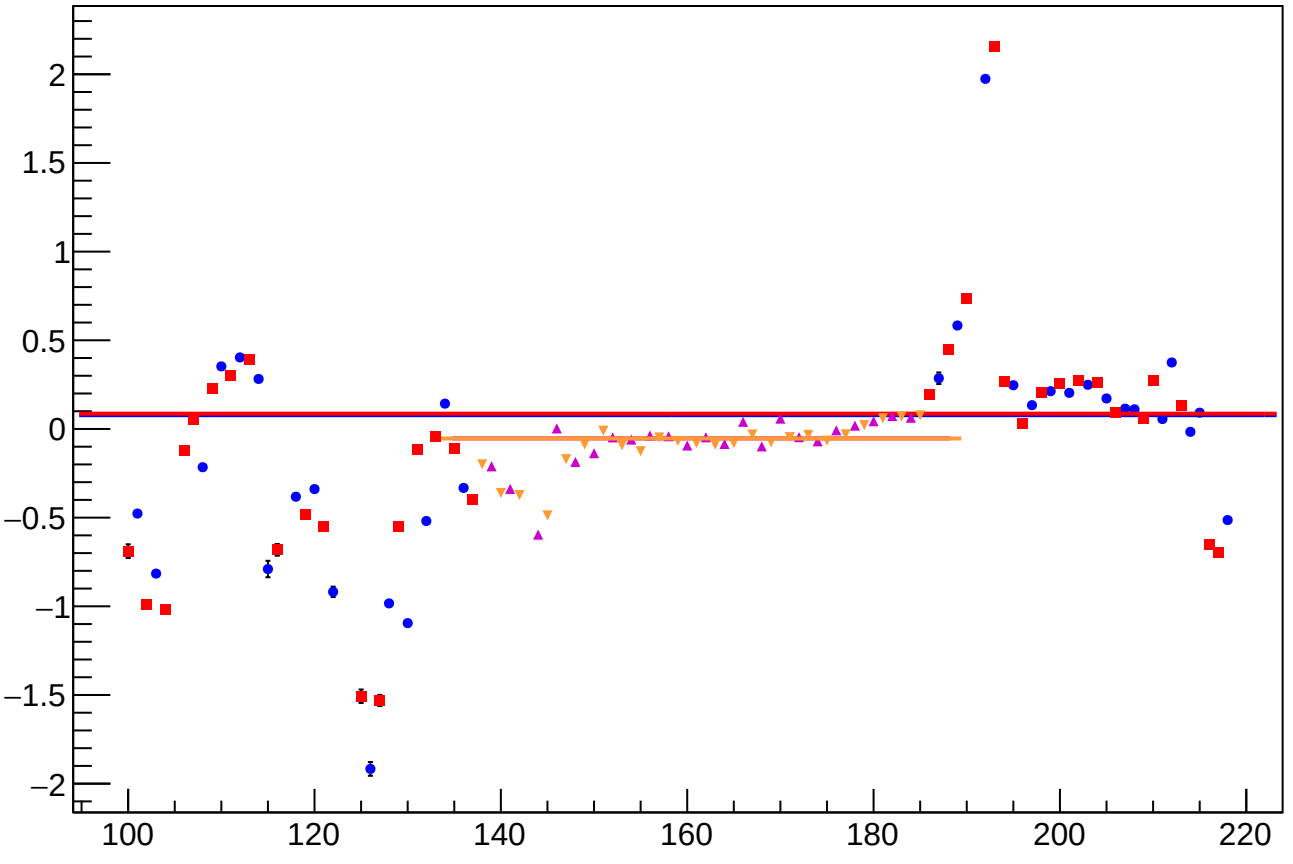
Right Out: -0.688+/-0.048 χ^2/NDF: 5553.0/33

Left In: -1.032+/-0.035 χ^2/NDF:7051.3/22

+ sign -1.217+/-0.030 χ^2/NDF: 12425.0/55

All: -1.059+/-0.020 χ^2/NDF: 25117.5/112

- sign -0.915+/-0.028 χ^2/NDF: 12637.7/56



Right In: 0.078+/-0.002 χ^2/NDF: 35734.5/31

Left Out: -0.054+/-0.002 χ^2/NDF:4341.2/23

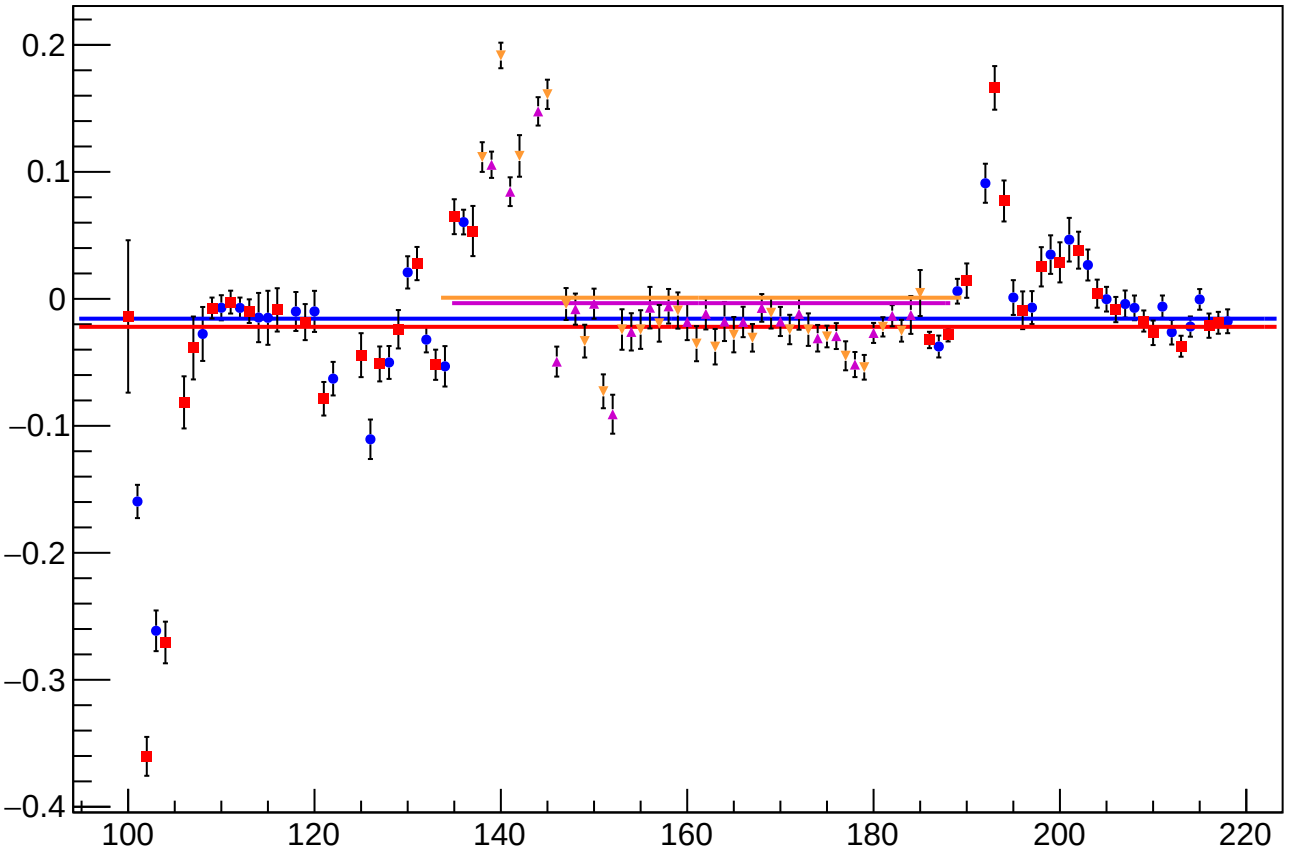
Right Out: 0.086+/-0.002 χ^2/NDF: 36899.3/33

Left In: -0.053+/-0.001 χ^2/NDF:5013.3/22

+ sign -0.010+/-0.001 χ^2/NDF: 42342.7/55

All: -0.010+/-0.001 χ^2/NDF: 86971.7/112

- sign -0.010+/-0.001 χ^2/NDF: 44629.1/56



Right In: -0.016+/-0.002 χ^2/NDF: 602.2/31

Left Out: 0.001+/-0.002 χ^2/NDF:849.7/23

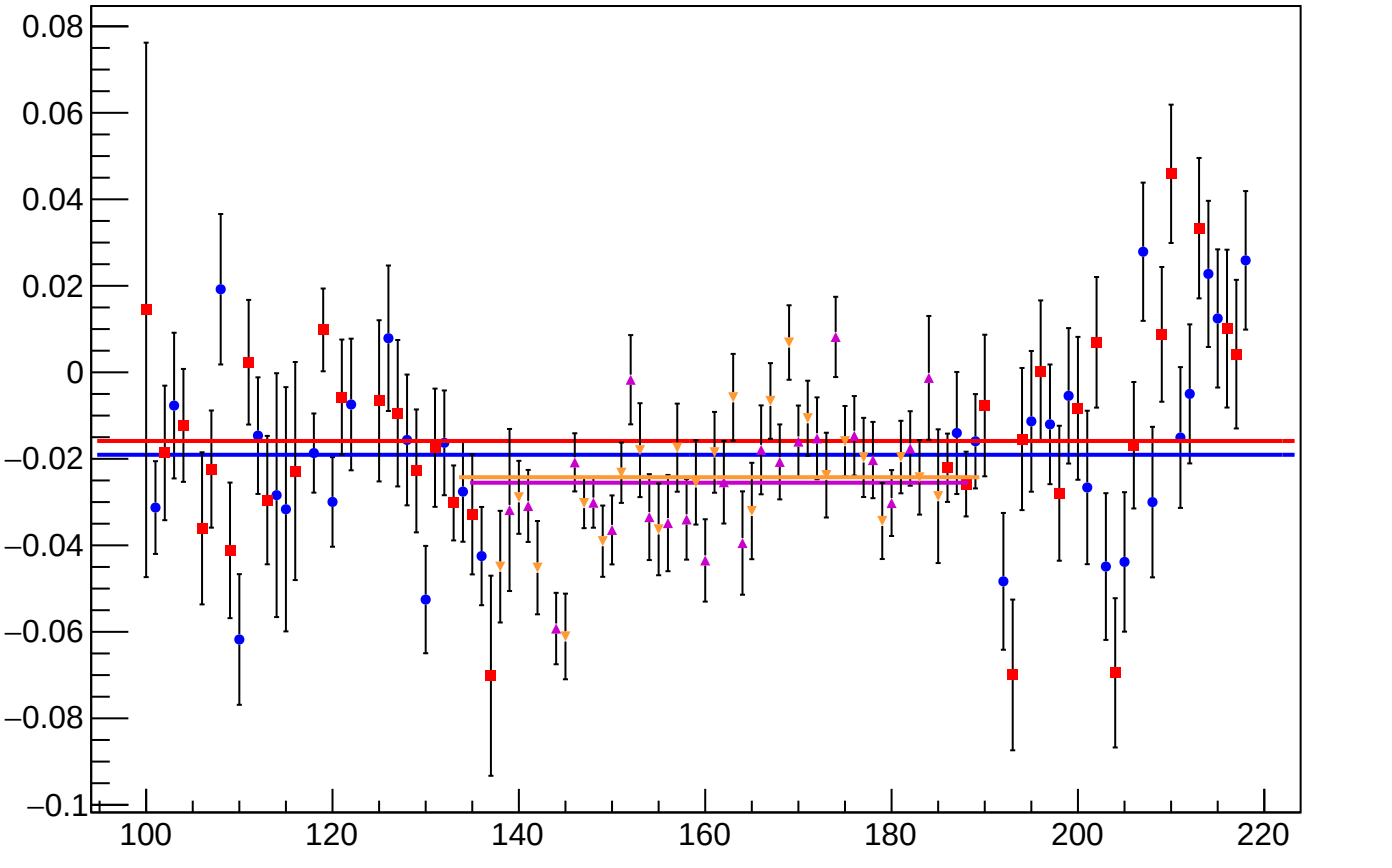
Right Out: -0.022+/-0.002 χ^2/NDF: 1054.8/33

Left In: -0.003+/-0.002 χ^2/NDF:457.9/22

+ sign -0.009+/-0.002 χ^2/NDF: 1479.8/55

All: -0.012+/-0.001 χ^2/NDF: 3036.8/112

- sign -0.015+/-0.002 χ^2/NDF: 1549.4/56



Right In: -0.019+/-0.003 χ^2/NDF: 68.9/31

Left Out: -0.024+/-0.002 χ^2/NDF:53.7/23

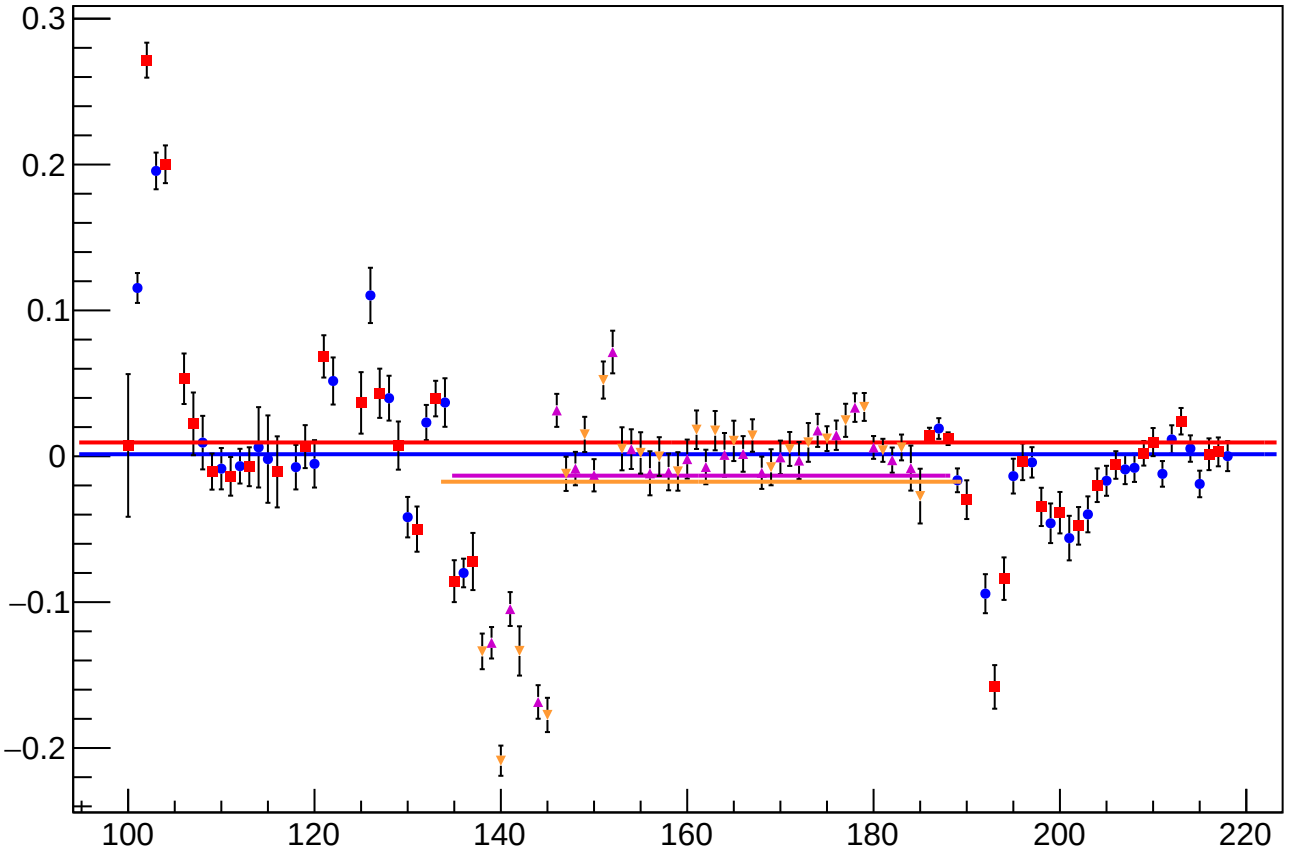
Right Out: -0.016+/-0.002 χ^2/NDF: 81.2/33

Left In: -0.026+/-0.002 χ^2/NDF:55.0/22

+ sign -0.022+/-0.001 χ^2/NDF: 125.4/55

All: -0.022+/-0.001 χ^2/NDF: 271.8/112

- sign -0.022+/-0.001 χ^2/NDF: 146.3/56



Right In: 0.001+/-0.002 χ^2/NDF: 614.2/31

Left Out: -0.017+/-0.002 χ^2/NDF:812.1/23

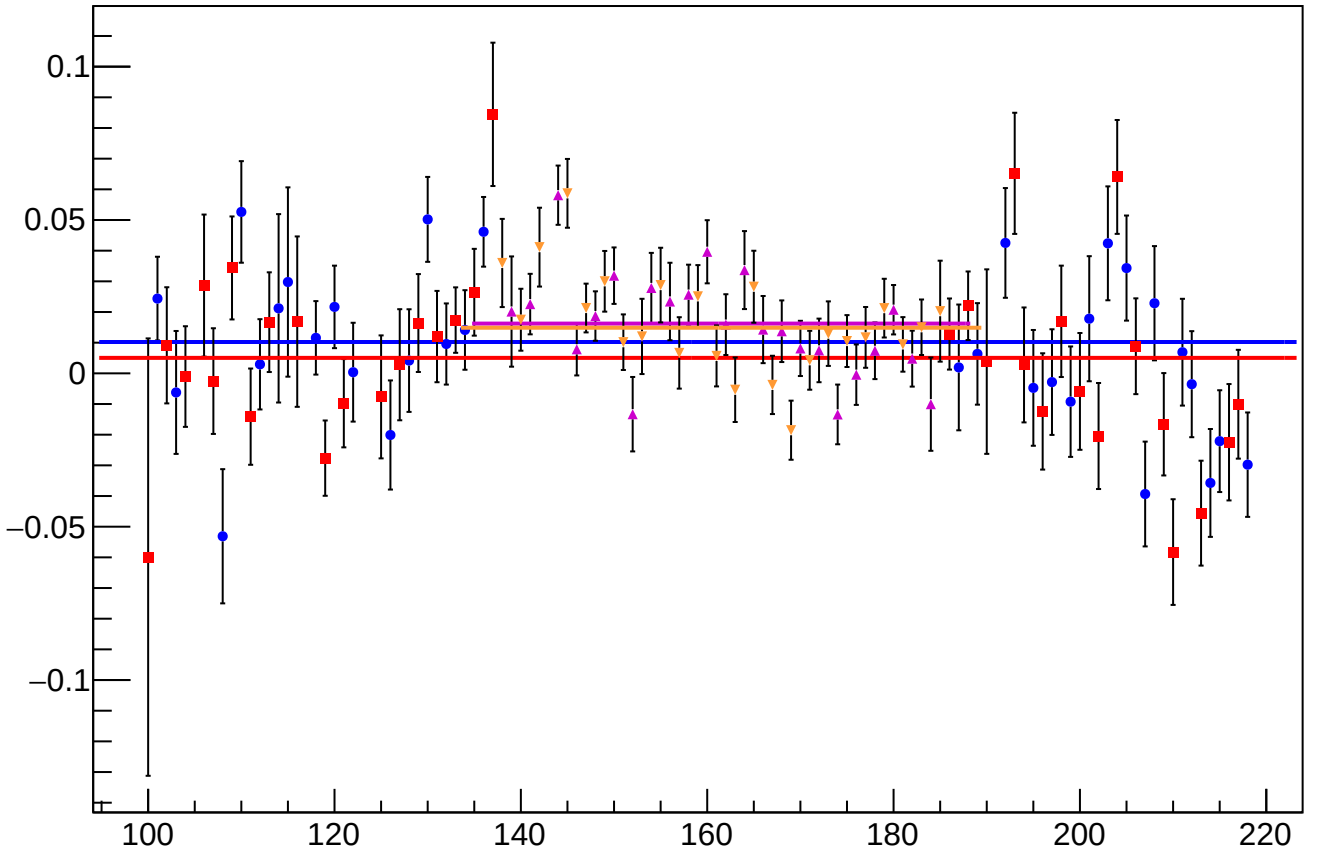
Right Out: 0.009+/-0.002 χ^2/NDF: 1047.5/33

Left In: -0.013+/-0.002 χ^2/NDF:458.6/22

\+ sign -0.007+/-0.002 χ^2/NDF: 1462.3/55

All: -0.003+/-0.001 χ^2/NDF: 3035.8/112

\- sign 0.001+/-0.001 χ^2/NDF: 1562.0/56



Right In: 0.010+/-0.003 χ^2/NDF: 76.7/31

Left Out: 0.015+/-0.002 χ^2/NDF:52.1/23

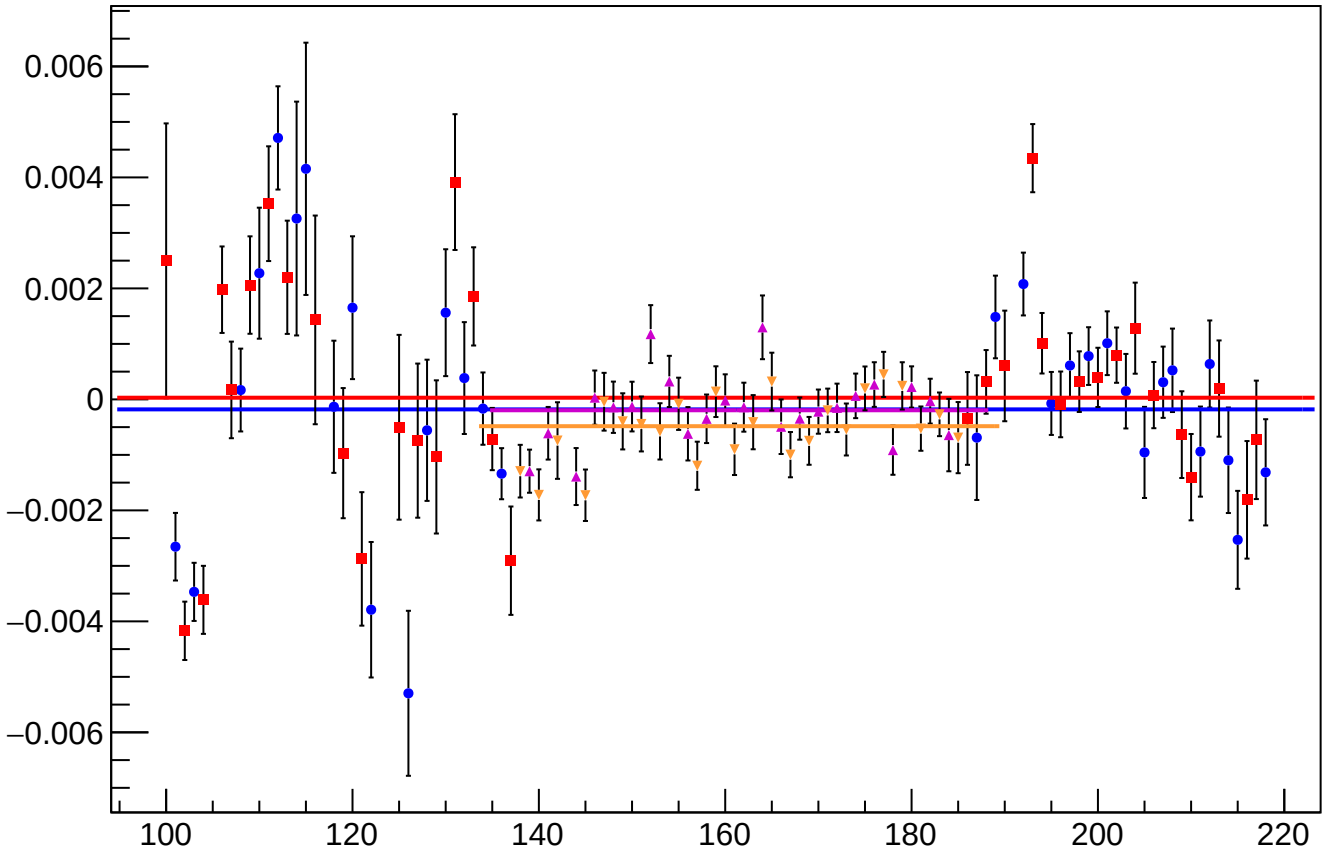
Right Out: 0.005+/-0.003 χ^2/NDF: 84.7/33

Left In: 0.016+/-0.002 χ^2/NDF:58.0/22

+ sign 0.013+/-0.002 χ^2/NDF: 130.4/55

All: 0.013+/-0.001 χ^2/NDF: 283.3/112

- sign 0.012+/-0.002 χ^2/NDF: 152.6/56



Right In: -0.000+/-0.000 χ^2/NDF: 170.8/31

Left Out: -0.000+/-0.000 χ^2/NDF:40.8/23

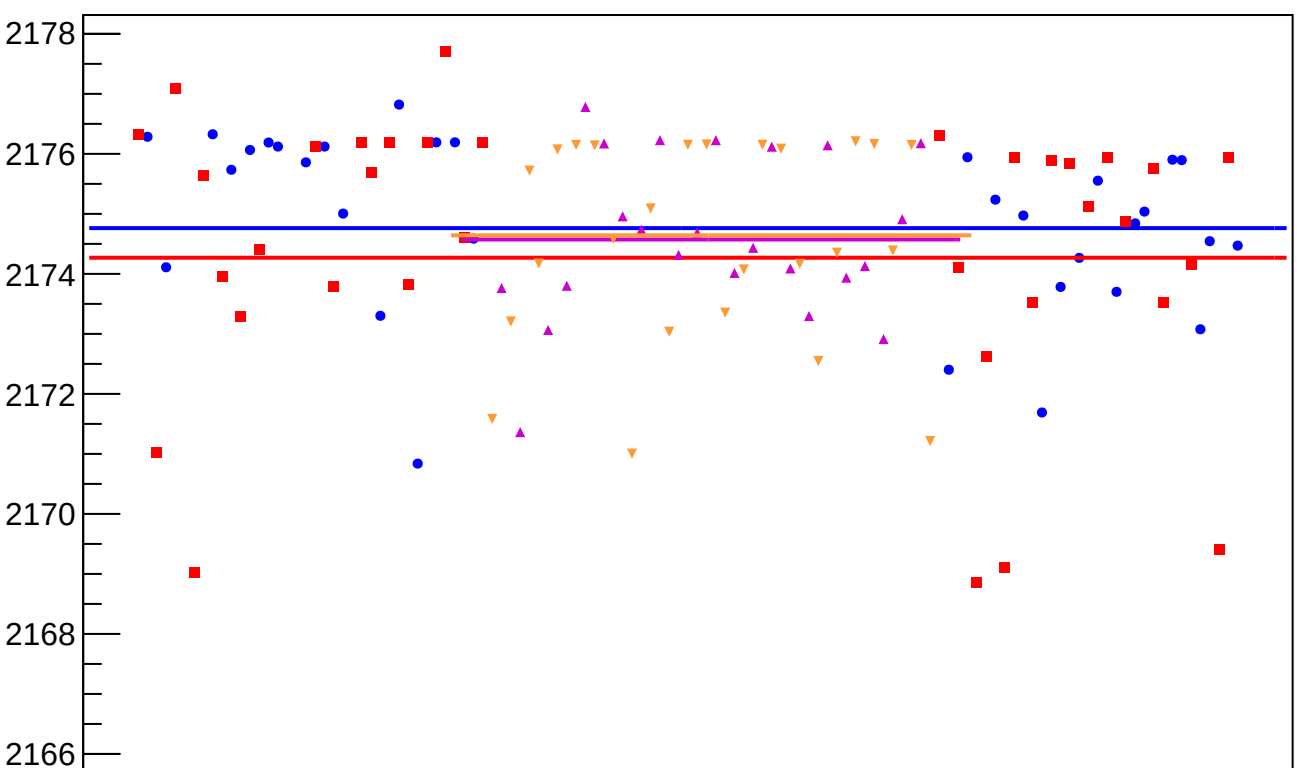
Right Out: 0.000+/-0.000 χ^2/NDF: 227.6/33

Left In: -0.000+/-0.000 χ^2/NDF:37.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 215.1/55

All: -0.000+/-0.000 χ^2/NDF: 487.8/112

- sign -0.000+/-0.000 χ^2/NDF: 266.8/56



Right In: 2174.763+/-0.000 χ^2/NDF: 3684432468422690380645870438711296.0/31

Left Out: 2174.643+/-0.000 χ^2/NDF:52116844463194421571996575984517l2.0/24

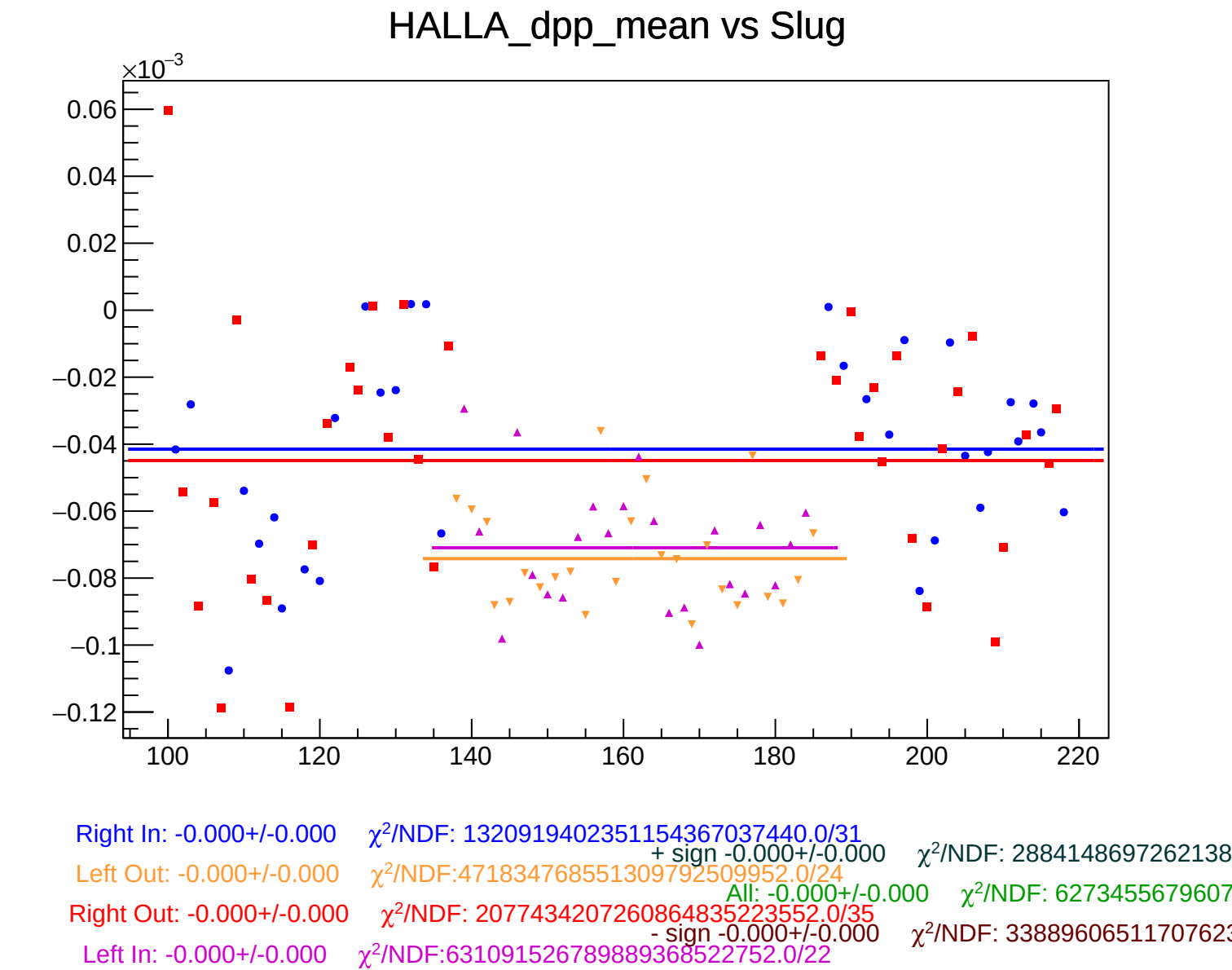
Right Out: 2174.269+/-0.000 χ^2/NDF: 122657201536290142933955848962048O0.0/35

Left In: 2174.573+/-0.000 χ^2/NDF:343126709779383884572886381572915 2.0/22

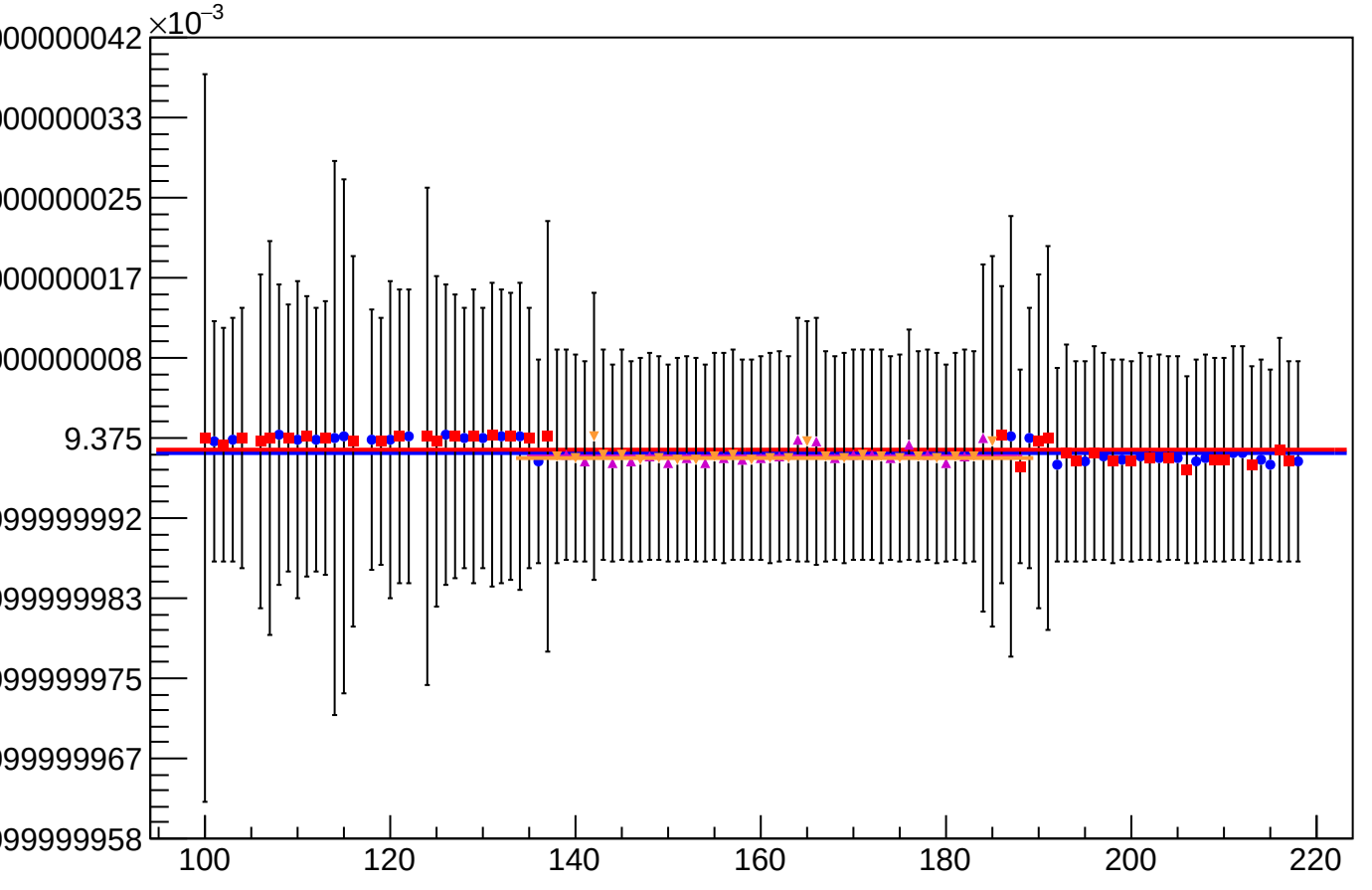
+ sign 2174.703+/-0.000 χ^2/NDF: 89108355515850

All: 2174.559+/-0.000 χ^2/NDF: 2487162144

- sign 2174.413+/-0.000 χ^2/NDF: 15789600739602


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
200
220
Right In: -0.000+/-0.000 χ²/NDF: 1320919402351154367037440.0/31
Left Out: -0.000+/-0.000 χ²/NDF:4718347685513097925099 52.0/24
Right Out: -0.000+/-0.000 χ²/NDF: 207743420726086483522 3552.0/35
Left In: -0.000+/-0.000 χ²/NDF:631091526789889368522752.0/22
+ sign -0.000+/-0.000 χ²/NDF: 2884148697262138
All: -0.000+/-0.000 χ²/NDF: 6273455679607
- sign -0.000+/-0.000 χ²/NDF: 3388960651170762

MQ171LM_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 0.3/31

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: 0.009+/-0.000 χ^2/NDF: 0.3/35

Left In: 0.009+/-0.000 χ^2/NDF:0.1/22

+ sign 0.009+/-0.000 χ^2/NDF: 0.3/56

All: 0.009+/-0.000 χ^2/NDF: 1.0/115

- sign 0.009+/-0.000 χ^2/NDF: 0.4/58

HacL_Q2_HP3458A_IOUT_mean vs Slug

Right In: 931.765+/-0.000 χ^2/NDF: 695688934620584068720946996838 4.0/31

+ sign 925.635+/-0.000 χ^2/NDF: 231786820668807

Left Out: 919.347+/-0.000 χ^2/NDF:230211234962152806190415261330812436 48.0/24

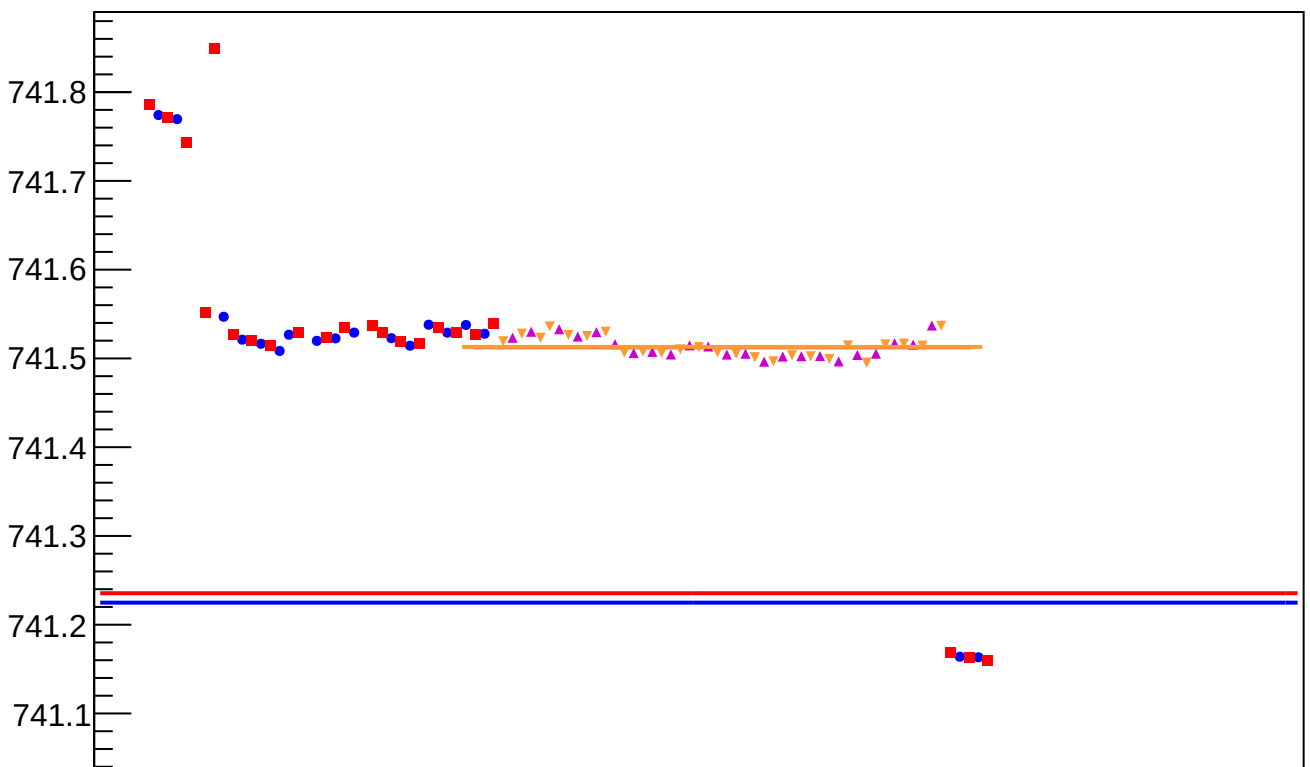
All: 923.406+/-0.000 χ^2/NDF: 625921371824

Right Out: 925.177+/-0.000 χ^2/NDF: 1292985988259944302703618573221442355 2.0/35

- sign 921.143+/-0.000 χ^2/NDF: 393725269208579

Left In: 916.654+/-0.000 χ^2/NDF:263697449311835480737856648421855723 52.0/22

HacL_D1_HP3458A_IOUT_mean vs Slug



Right In: 741.225+/-0.000 χ^2/NDF: 144334058516898672524984148033536.0/31

Left Out: 741.513+/-0.000 χ^2/NDF:25197631076812629623188960051 2.0/24

Right Out: 741.235+/-0.000 χ^2/NDF: 149388952433539352827489251491840.0/35

Left In: 741.513+/-0.000 χ^2/NDF:234703983030085423185895882752.0/22

+ sign 741.367+/-0.000 χ^2/NDF: 229410714720977

All: 741.367+/-0.000 χ^2/NDF: 456119591304

- sign 741.367+/-0.000 χ^2/NDF: 226708468826808

HacL_Q3_HP3458A_IOUT_mean vs Slug

Right In: 980.803+/-0.000 χ^2/NDF: 19534914391897421820437400125440.0/31

Left Out: 967.677+/-0.000 χ^2/NDF:2550515560327992564154129577963369267 2.0/24

Right Out: 980.781+/-0.000 χ^2/NDF: 635410769242765318252194965749 76.0/35

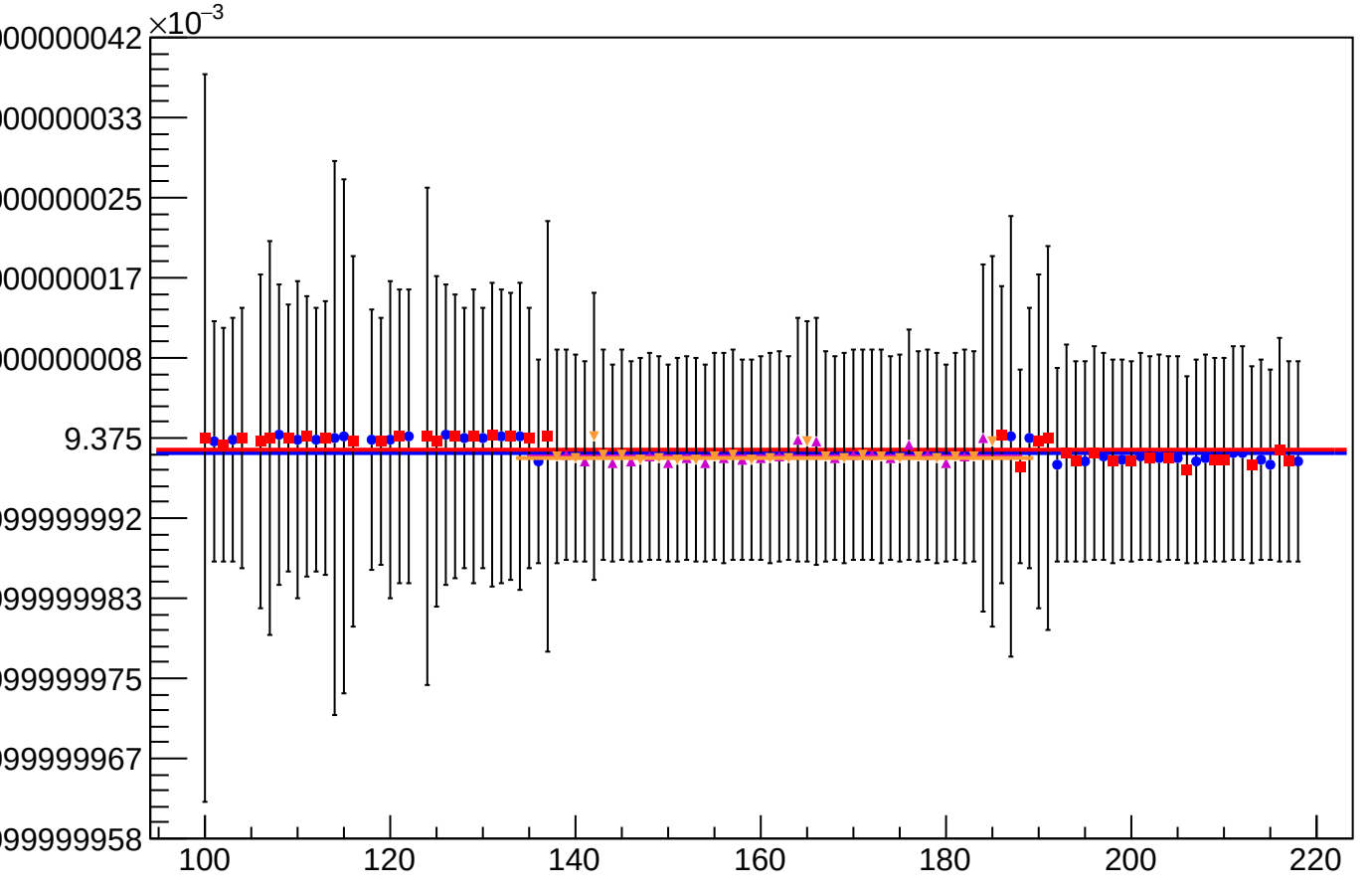
Left In: 964.854+/-0.000 χ^2/NDF:29215838960103078784112845628245016576.0/22

+ sign 974.323+/-0.000 χ^2/NDF: 256812156764092

All: 973.787+/-0.000 χ^2/NDF: 55154153297

- sign 973.243+/-0.000 χ^2/NDF: 294705702901928

MQ172RM_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 0.3/31

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: 0.009+/-0.000 χ^2/NDF: 0.3/35

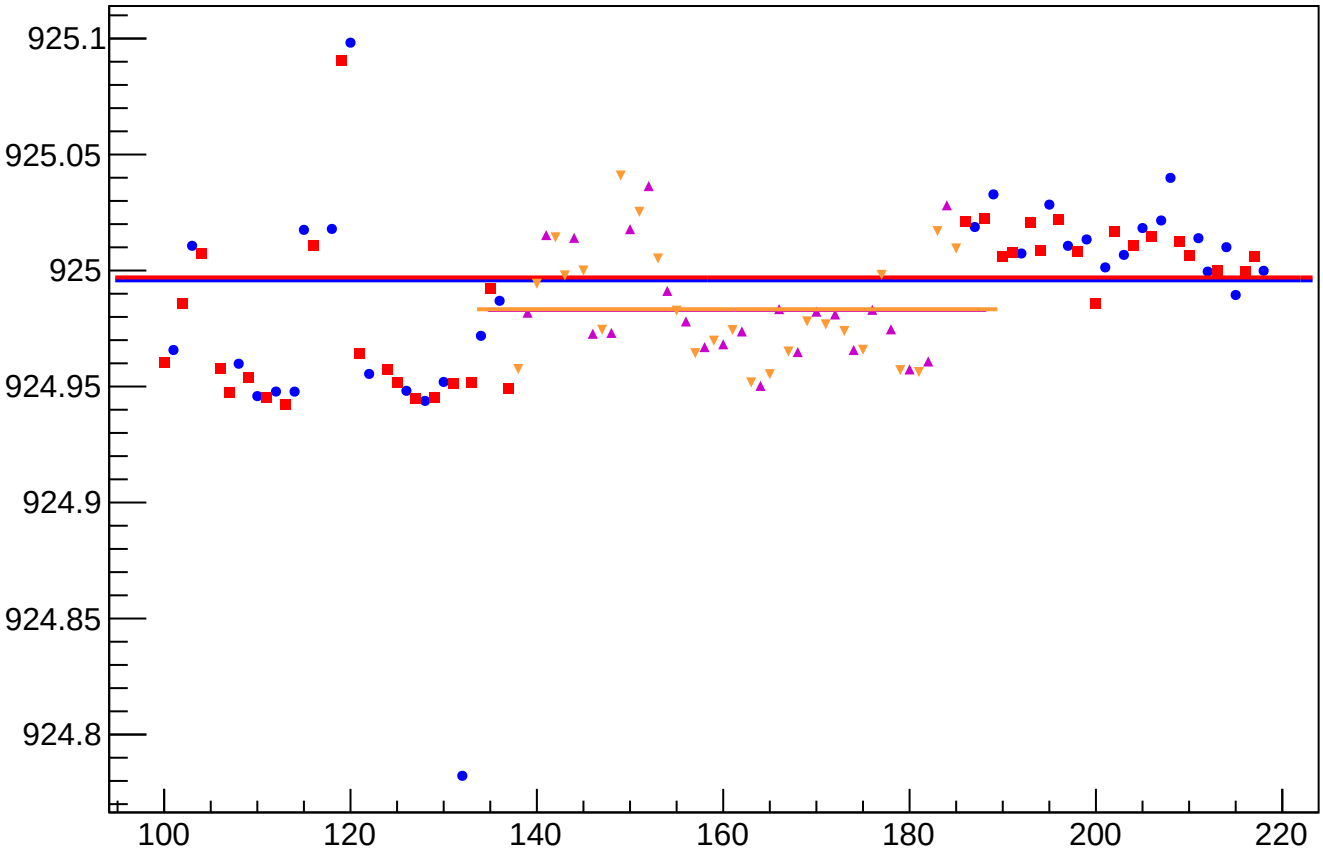
Left In: 0.009+/-0.000 χ^2/NDF:0.1/22

+ sign 0.009+/-0.000 χ^2/NDF: 0.3/56

All: 0.009+/-0.000 χ^2/NDF: 1.0/115

- sign 0.009+/-0.000 χ^2/NDF: 0.4/58

HacR_Q2_HP3458A_IOUT_mean vs Slug



Right In: 924.996+/-0.000 χ^2/NDF: 377410447142358480348672058982 4.0/31

Left Out: 924.983+/-0.000 χ^2/NDF:1161112698344246137667167715328.0/24

Right Out: 924.997+/-0.000 χ^2/NDF: 19942980230539888666854744391 68.0/35

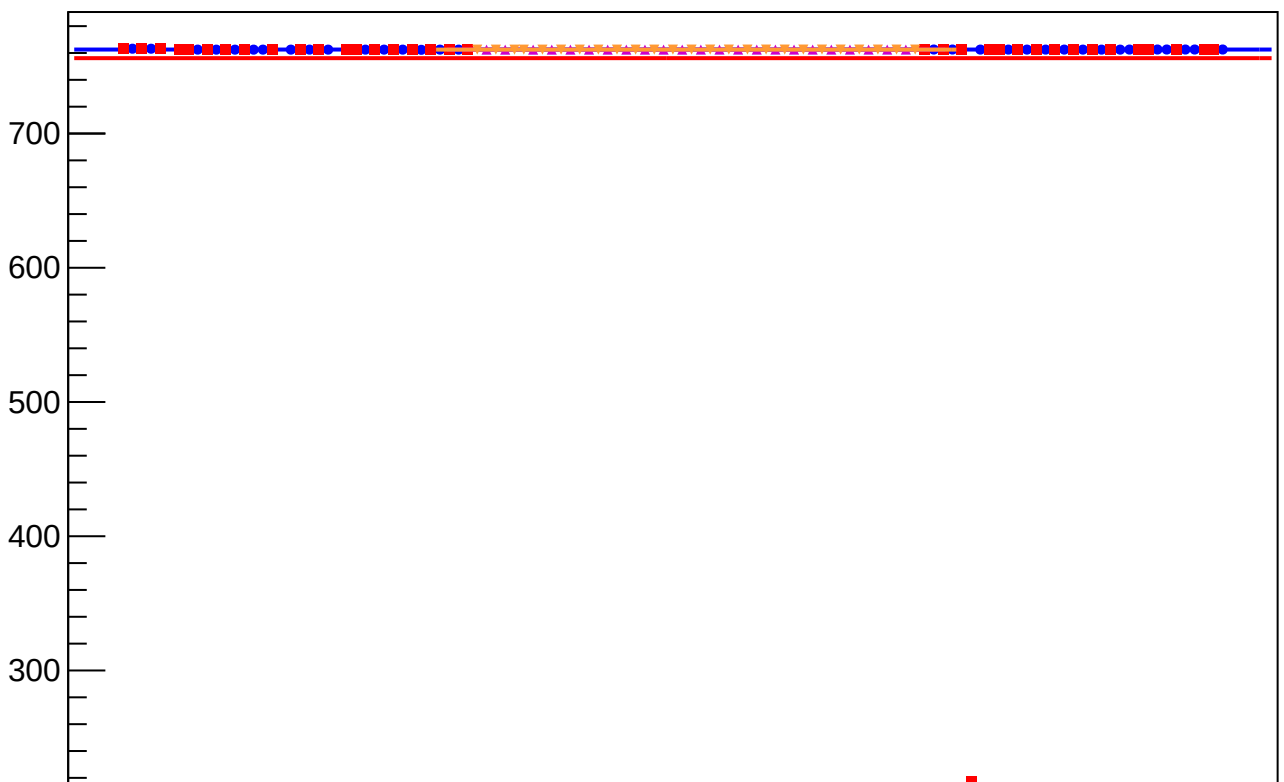
Left In: 924.983+/-0.000 χ^2/NDF:92827030718158770136834847539 2.0/22

+ sign 924.990+/-0.000 χ^2/NDF: 509394793007380

All: 924.990+/-0.000 χ^2/NDF: 821468442970

- sign 924.990+/-0.000 χ^2/NDF: 311954161456139

HacR_D1_HP3458A_IOUT_mean vs Slug



Right In: 762.570+/-0.000 χ^2/NDF: 5552393222804477762082453428633 6.0/31

Left Out: 762.518+/-0.000 χ^2/NDF:767703709161817083348479115264.0/24

Right Out: 756.146+/-0.000 χ^2/NDF: 735175438109467820752974547167215616 0.0/35

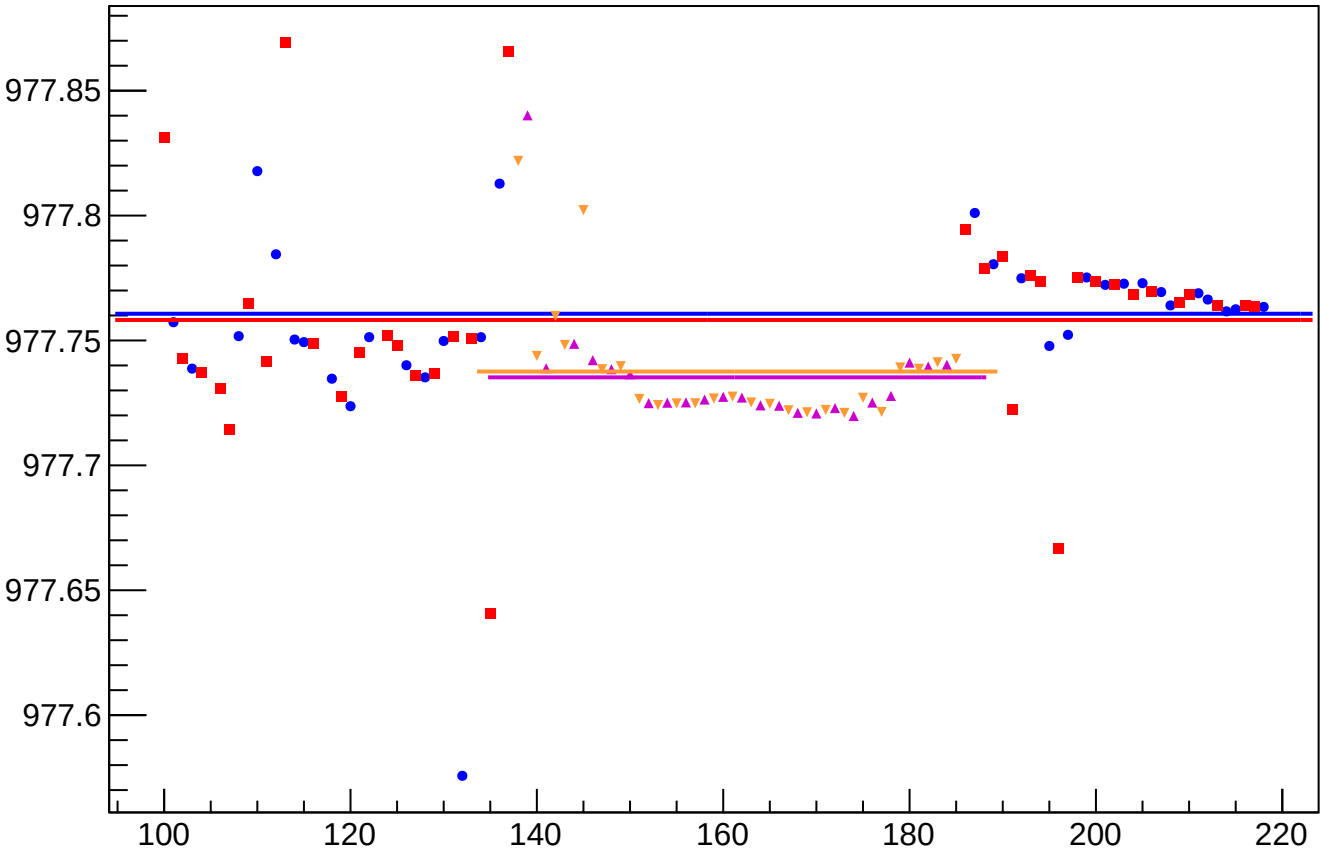
Left In: 762.519+/-0.000 χ^2/NDF:67064753778125939445211961753 6.0/22

+ sign 762.545+/-0.000 χ^2/NDF: 590654886194367

All: 760.866+/-0.000 χ^2/NDF: 7415802213151

- sign 759.162+/-0.000 χ^2/NDF: 739253048356462

HacR_Q3_HP3458A_IOUT_mean vs Slug



Right In: 977.761+/-0.000 χ^2/NDF: 22247441154779293947879657308 16.0/31

Left Out: 977.738+/-0.000 χ^2/NDF:1178407872566336572325000904704.0/24

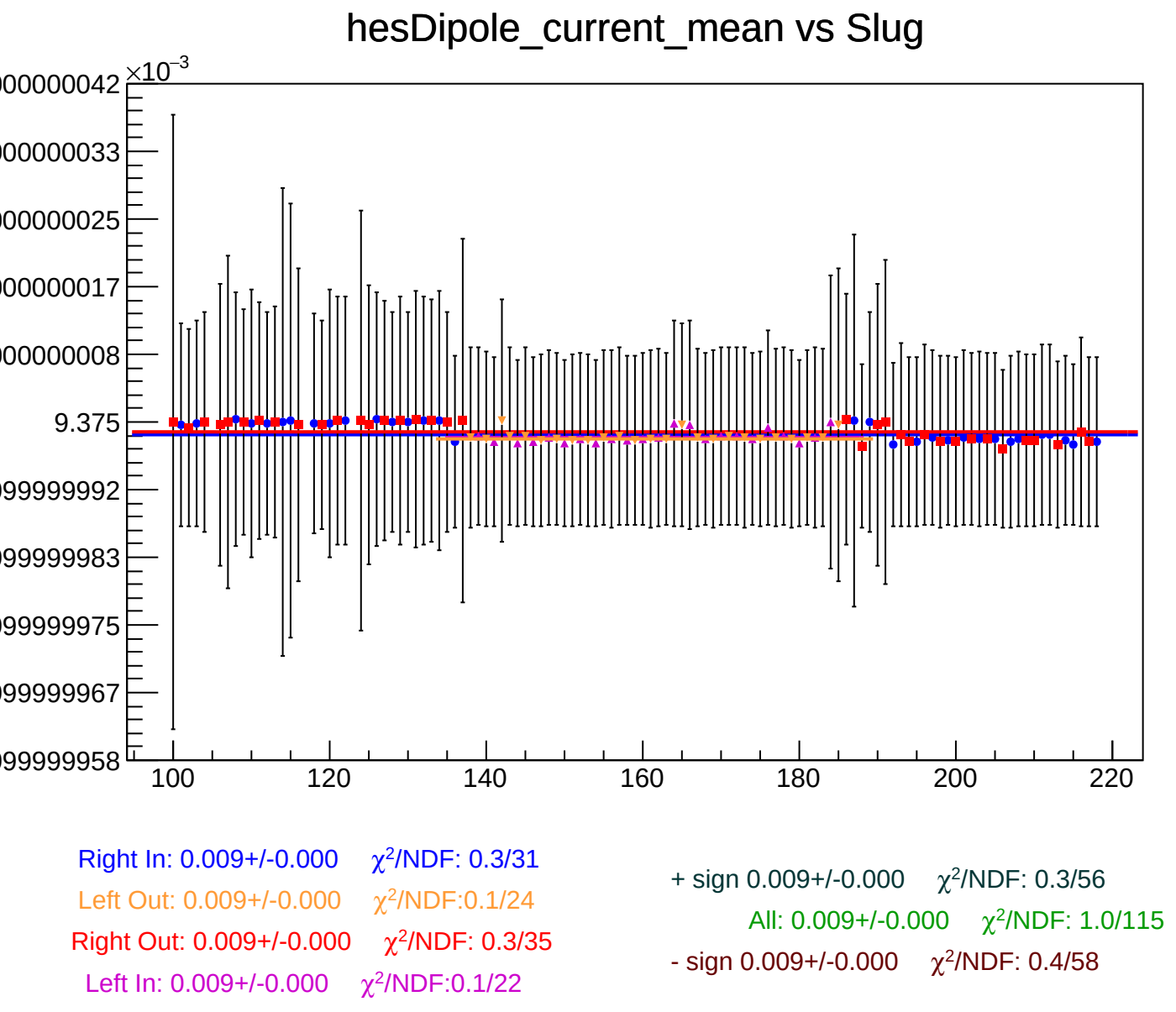
Right Out: 977.758+/-0.000 χ^2/NDF: 2868389510675511163708908765184.0/35

Left In: 977.735+/-0.000 χ^2/NDF:109676643760541725462707254 0672.0/22

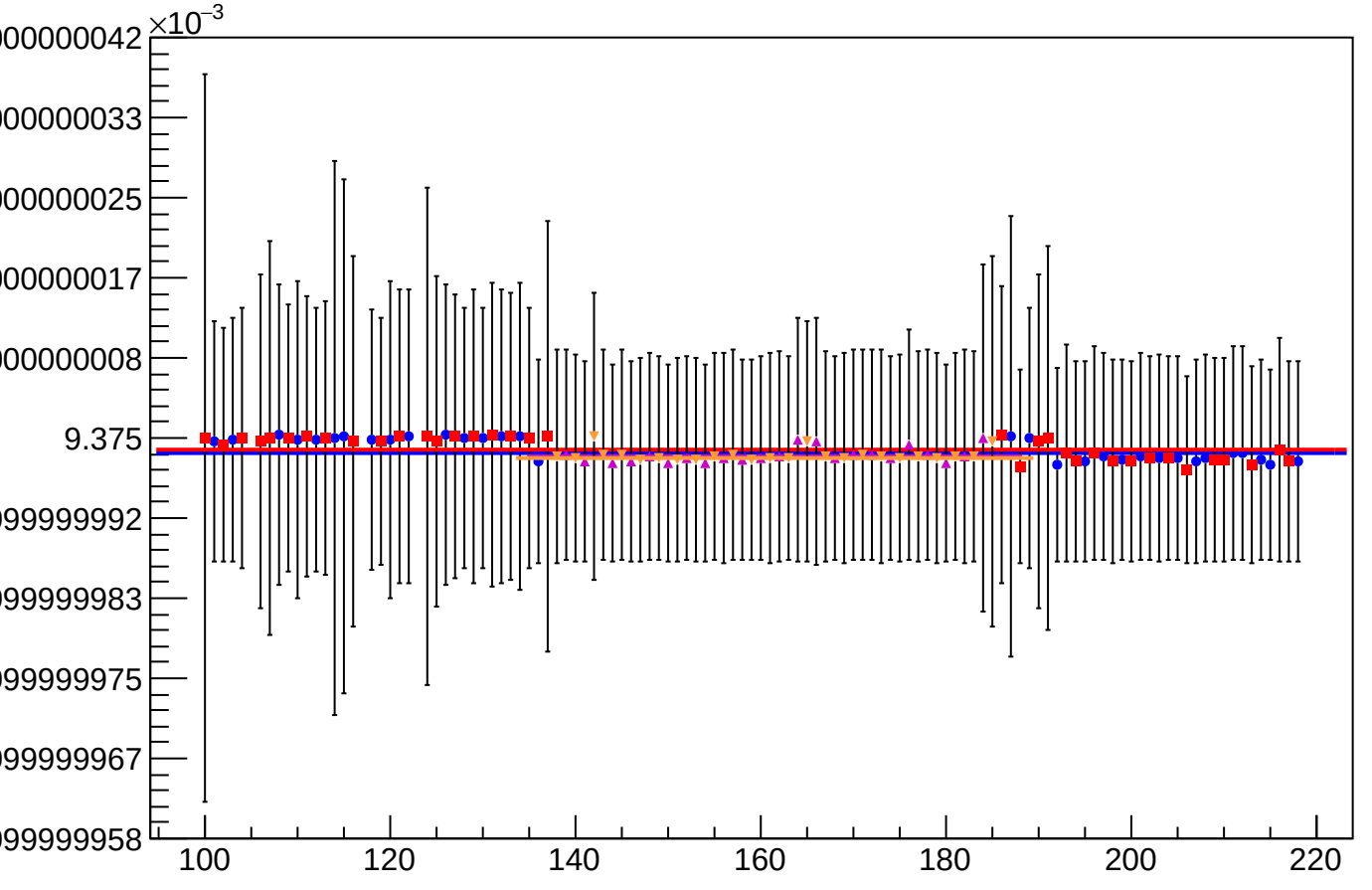
+ sign 977.749+/-0.000 χ^2/NDF: 395021449513759

All: 977.748+/-0.000 χ^2/NDF: 845273738363

- sign 977.747+/-0.000 χ^2/NDF: 449482826298467


hesDipole_current_mean vs Slug
×10⁻³
00000042
00000033
00000025
00000017
00000008
9.375
99999992
99999983
99999975
99999967
99999958
100
120
140
160
180
200
220
Right In: 0.009+/-0.000 χ²/NDF: 0.3/31
Left Out: 0.009+/-0.000 χ²/NDF:0.1/24
Right Out: 0.009+/-0.000 χ²/NDF: 0.3/35
Left In: 0.009+/-0.000 χ²/NDF:0.1/22
+ sign 0.009+/-0.000 χ²/NDF: 0.3/56
All: 0.009+/-0.000 χ²/NDF: 1.0/115
- sign 0.009+/-0.000 χ²/NDF: 0.4/58

MSUPERBIGBITEreadcalc_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 0.3/31

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: 0.009+/-0.000 χ^2/NDF: 0.3/35

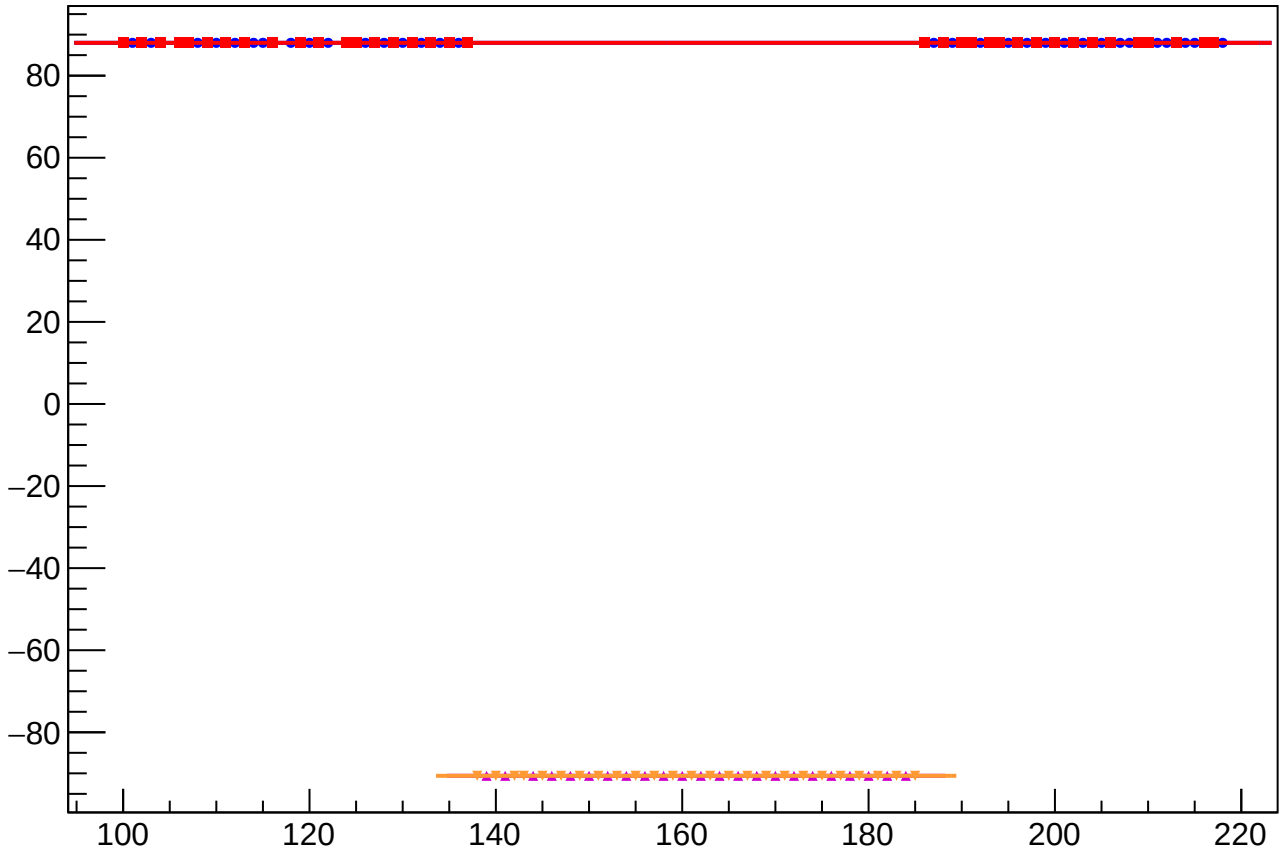
Left In: 0.009+/-0.000 χ^2/NDF:0.1/22

+ sign 0.009+/-0.000 χ^2/NDF: 0.3/56

All: 0.009+/-0.000 χ^2/NDF: 1.0/115

- sign 0.009+/-0.000 χ^2/NDF: 0.4/58

VWienAngle_mean vs Slug



Right In: 88.001+/-0.000 χ^2/NDF: 4490120.5/31

Left Out: -90.599+/-0.000 χ^2/NDF:5219558.1/24

Right Out: 88.002+/-0.000 χ^2/NDF: 767979632943714199335589642240/35

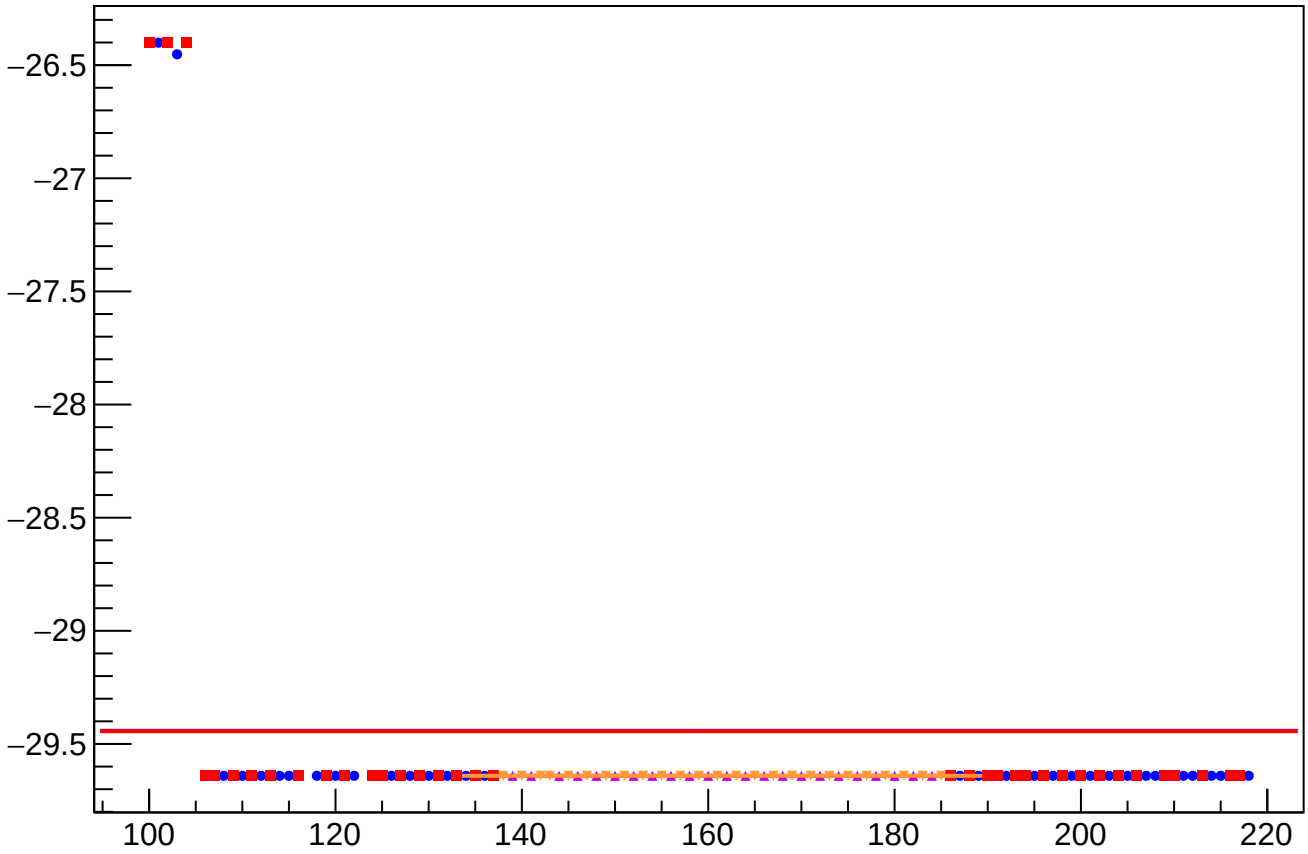
Left In: -90.599+/-0.000 χ^2/NDF:7520558.1/22

+ sign -0.163+/-0.000 χ^2/NDF: 3259444040841485

All: 1.639+/-0.000 χ^2/NDF: 6464328809305

- sign 3.469+/-0.000 χ^2/NDF: 32022082742909750

HWienAngle_mean vs Slug



Right In: -29.442+/-0.000 χ^2/NDF: 124106916074534103432715567523430 4.0/31

Left Out: -29.641+/-0.000 χ^2/NDF:409122.2/24

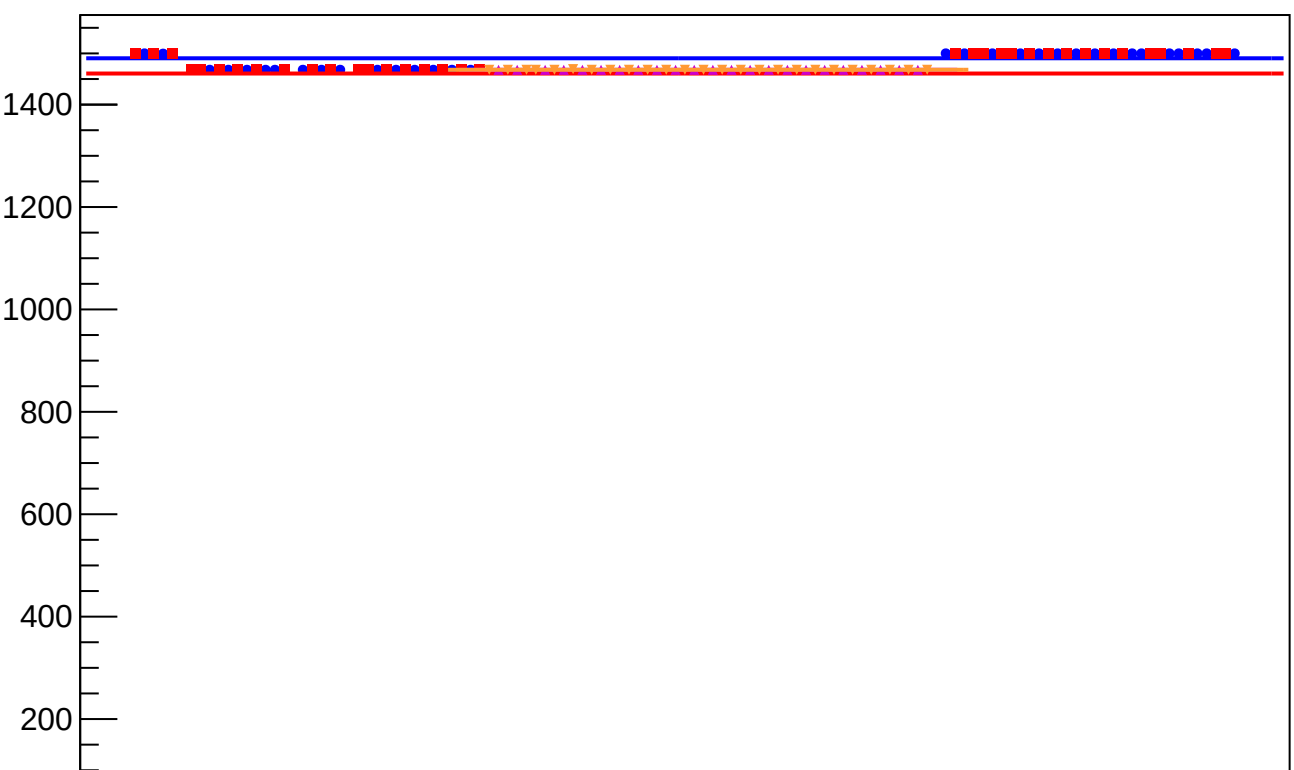
Right Out: -29.444+/-0.000 χ^2/NDF: 127182804186704258200705256180940 8.0/35

Left In: -29.641+/-0.000 χ^2/NDF:290780.4/22

+ sign -29.540+/-0.000 χ^2/NDF: 128144647162425

All: -29.538+/-0.000 χ^2/NDF: 259227696823

- sign -29.537+/-0.000 χ^2/NDF: 1310810573429341



Right In: 1490.503+/-0.000 χ^2/NDF: 44182210400787476882279739304810905 6.0/31

+ sign 1479.419+/-0.000 χ^2/NDF: 9570589365426

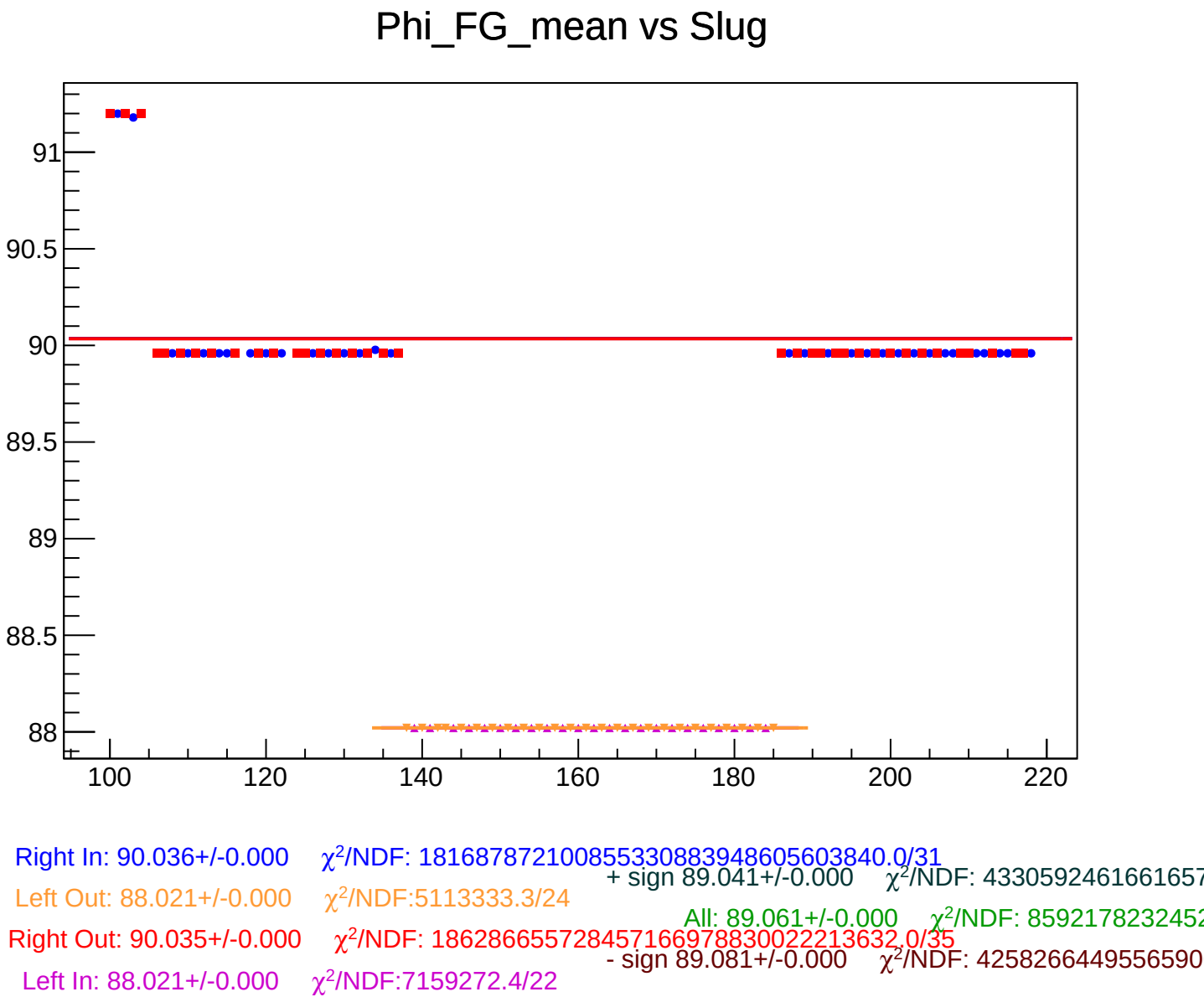
Left Out: 1468.051+/-0.000 χ^2/NDF:139558223587677068165594208010240.0/24

All: 1471.850+/-0.000 χ^2/NDF: 933594944

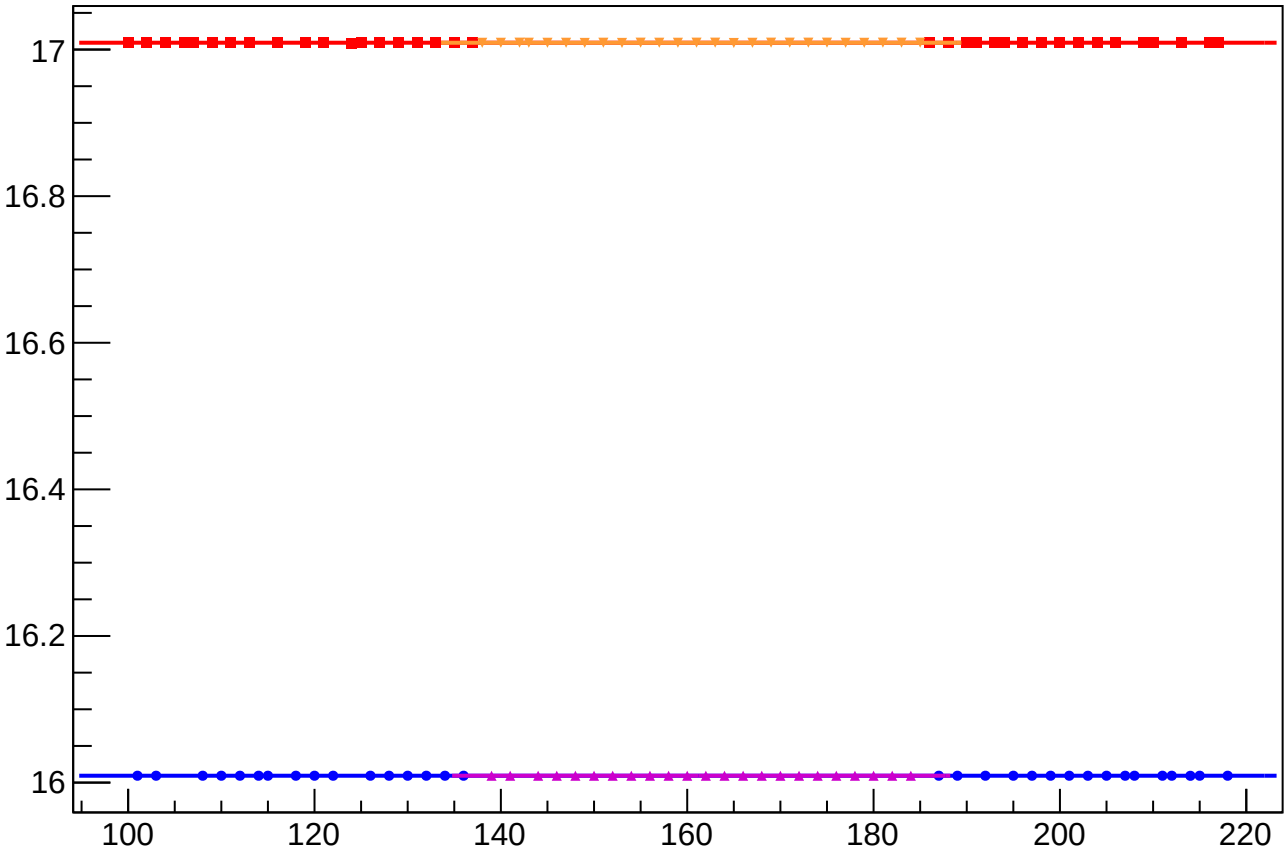
Right Out: 1460.726+/-0.000 χ^2/NDF: 91877371388136685199437287775698681856.0/35

- sign 1464.166+/-0.000 χ^2/NDF: 9193039201073

Left In: 1467.994+/-0.000 χ^2/NDF:155493808986096753755224539136.0/22


Phi_FG_mean vs Slug
91
90.5
90
89.5
89
88.5
88
100
120
140
160
180
200
220
Right In: 90.036+/-0.000 χ²/NDF: 1816878721008553308839486056038 40.0/31
Left Out: 88.021+/-0.000 χ²/NDF:5113333.3/24
Right Out: 90.035+/-0.000 χ²/NDF: 18628665572845716697883002221363 2.0/35
Left In: 88.021+/-0.000 χ²/NDF:7159272.4/22
+ sign 89.041+/-0.000 χ²/NDF: 4330592461661657
All: 89.061+/-0.000 χ²/NDF: 8592178232452
- sign 89.081+/-0.000 χ²/NDF: 4258266449556590

IGL1I00DI24_24M_mean vs Slug



Right In: 16.009+/-0.000 χ^2/NDF: 990648898385513510076416.0/31

Left Out: 17.009+/-0.000 χ^2/NDF:279903456758836896737525760.0/24

Right Out: 17.009+/-0.000 χ^2/NDF: 221228038824495469654179840.0/35

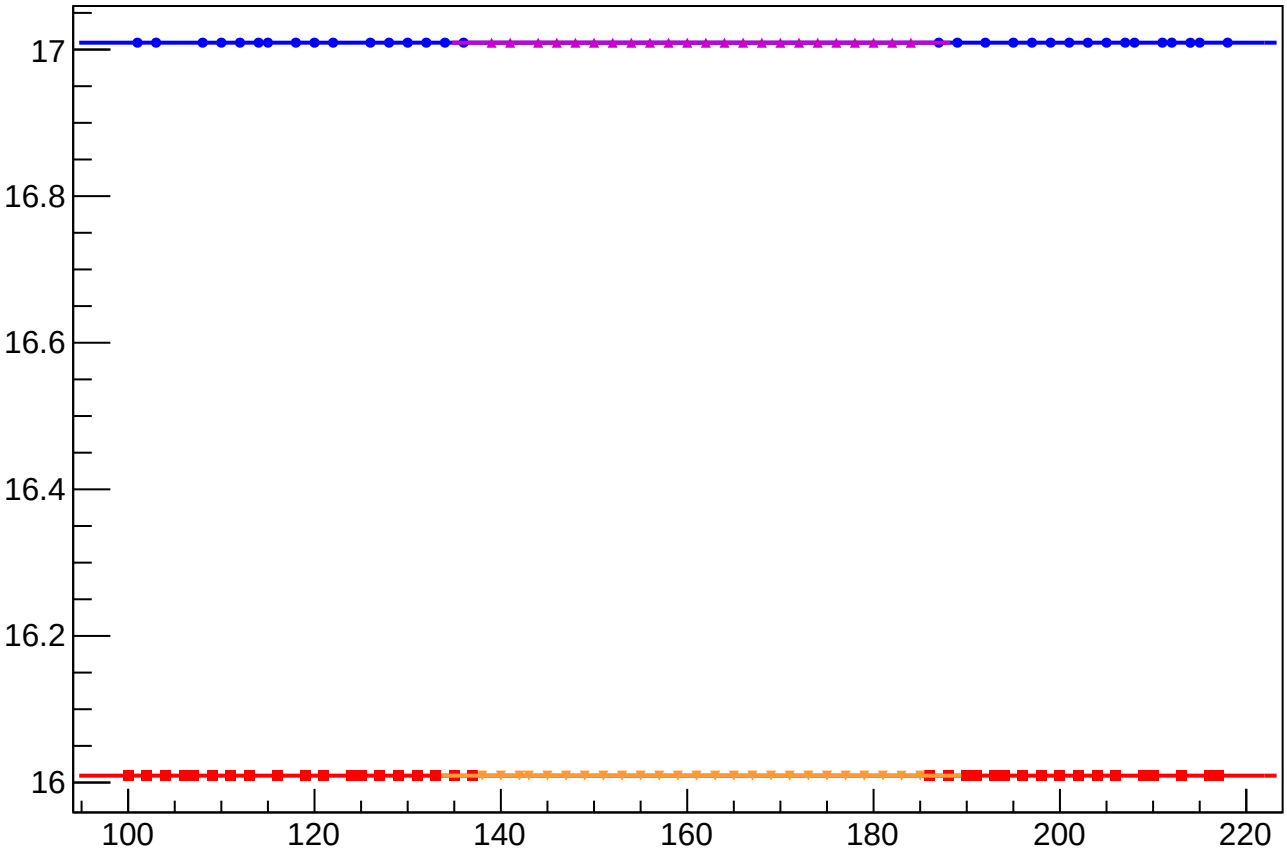
Left In: 16.009+/-0.000 χ^2/NDF:12468791216706352368844 8.0/22

+ sign 16.489+/-0.000 χ^2/NDF: 9739280468236166

All: 16.517+/-0.000 χ^2/NDF: 1929924088768

- sign 16.546+/-0.000 χ^2/NDF: 9496585587662702

IGL1I00OD16_16_mean vs Slug



Right In: 17.009+/-0.000 χ^2/NDF: 9908378289382660274913280.0/31

Left Out: 16.009+/-0.000 χ^2/NDF:2818892758481805649117184.0/24

Right Out: 16.009+/-0.000 χ^2/NDF: 2454577456026912135577 6.0/35

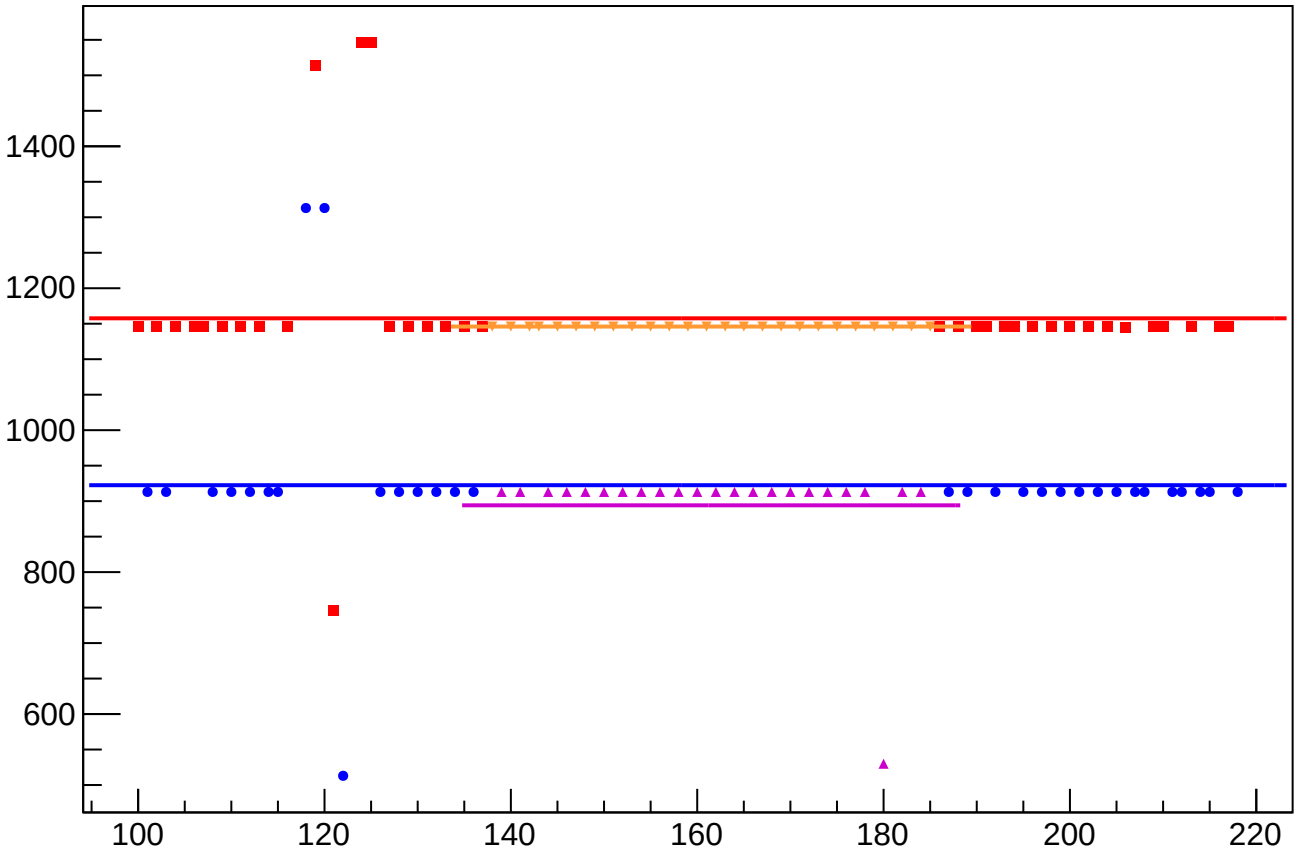
Left In: 17.009+/-0.000 χ^2/NDF:1110071044208815662694 40.0/22

+ sign 16.515+/-0.000 χ^2/NDF: 1006883277149269

All: 16.496+/-0.000 χ^2/NDF: 199983379773 9

- sign 16.477+/-0.000 χ^2/NDF: 9900961985899945

RTPAPOSUCNT_mean vs Slug



Right In: 922.463+/-0.000 χ^2/NDF: 2141581862150338534957365021319888896 0/31

+ sign 1032.820+/-0.000 χ^2/NDF: 72484812110227

Left Out: 1146.020+/-0.000 χ^2/NDF:37030712979418714599064306974720/24

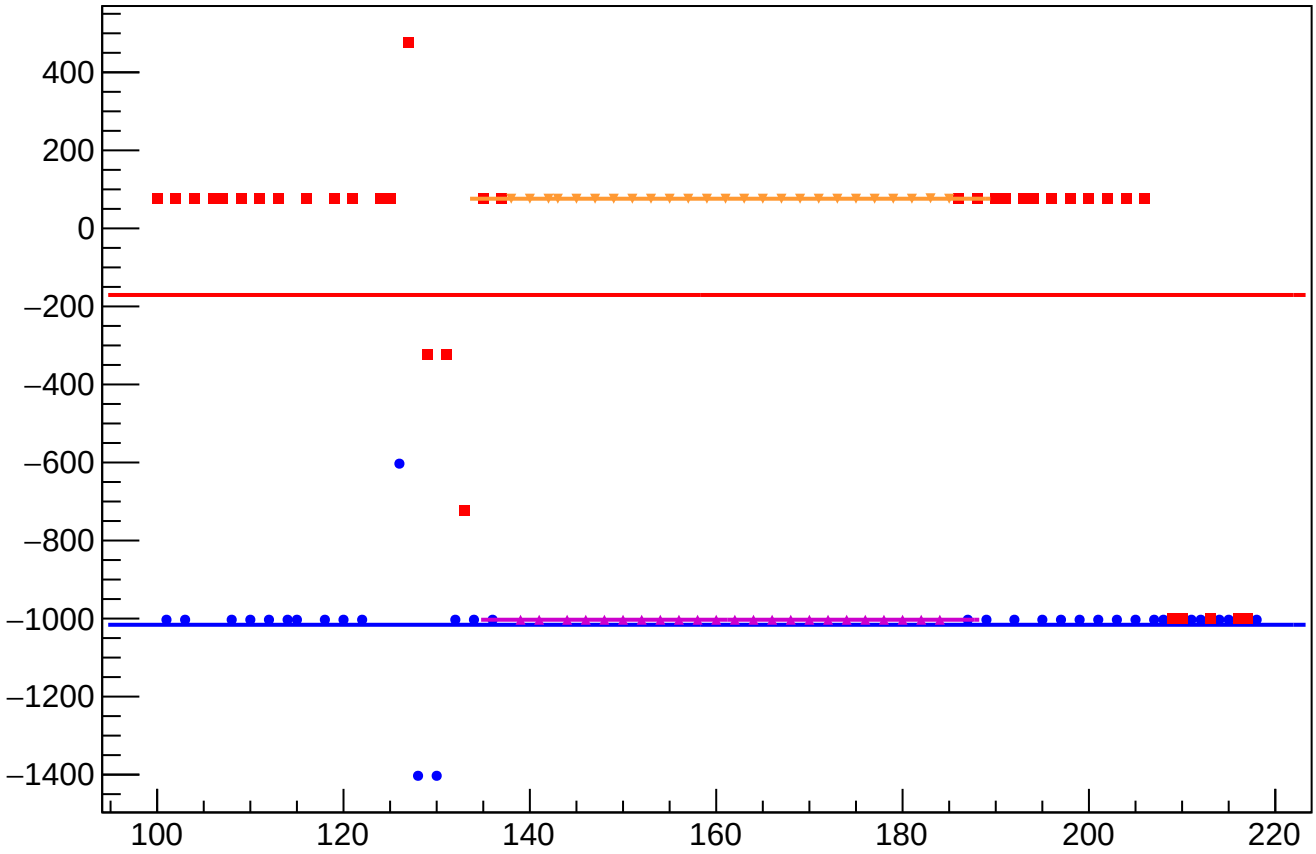
All: 1032.856+/-0.000 χ^2/NDF: 1779569310

Right Out: 1157.611+/-0.000 χ^2/NDF: 22661255502411717925799657435794767872 0/35

- sign 1032.893+/-0.000 χ^2/NDF: 10547210806157

Left In: 894.107+/-0.000 χ^2/NDF:13107238299211712783896183802964213760/22

RTPAPOSVCNT_mean vs Slug



Right In: -1015.936+/-0.000 χ^2/NDF: 234927179275934562500276927065762037760.0/31

+ sign -476.887+/-0.000 χ^2/NDF: 12419675518462

Left Out: 76.053+/-0.000 χ^2/NDF:8137119629458086651457121026048 0.0/24

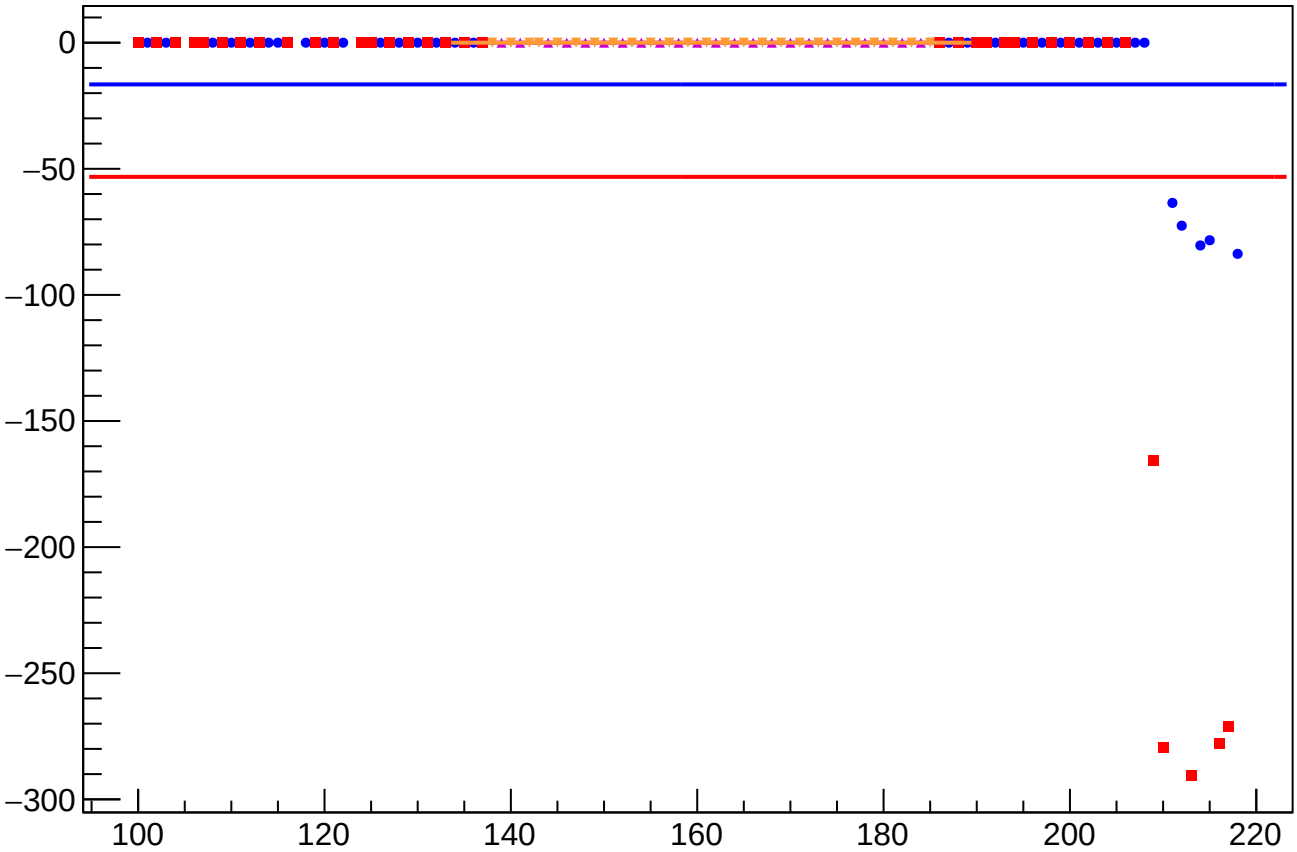
All: -520.414+/-0.000 χ^2/NDF: 2381715065

Right Out: -170.648+/-0.000 χ^2/NDF: 428659071517167925191075114813587718144.0/35

- sign -564.600+/-0.000 χ^2/NDF: 112413998890636

Left In: -1002.990+/-0.000 χ^2/NDF:29519559033483147530972692 48.0/22

RTPPITA1CNT_mean vs Slug



Right In: -16.539+/-0.000 χ^2/NDF: 2062353056837394388116592613602099200.0/31

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

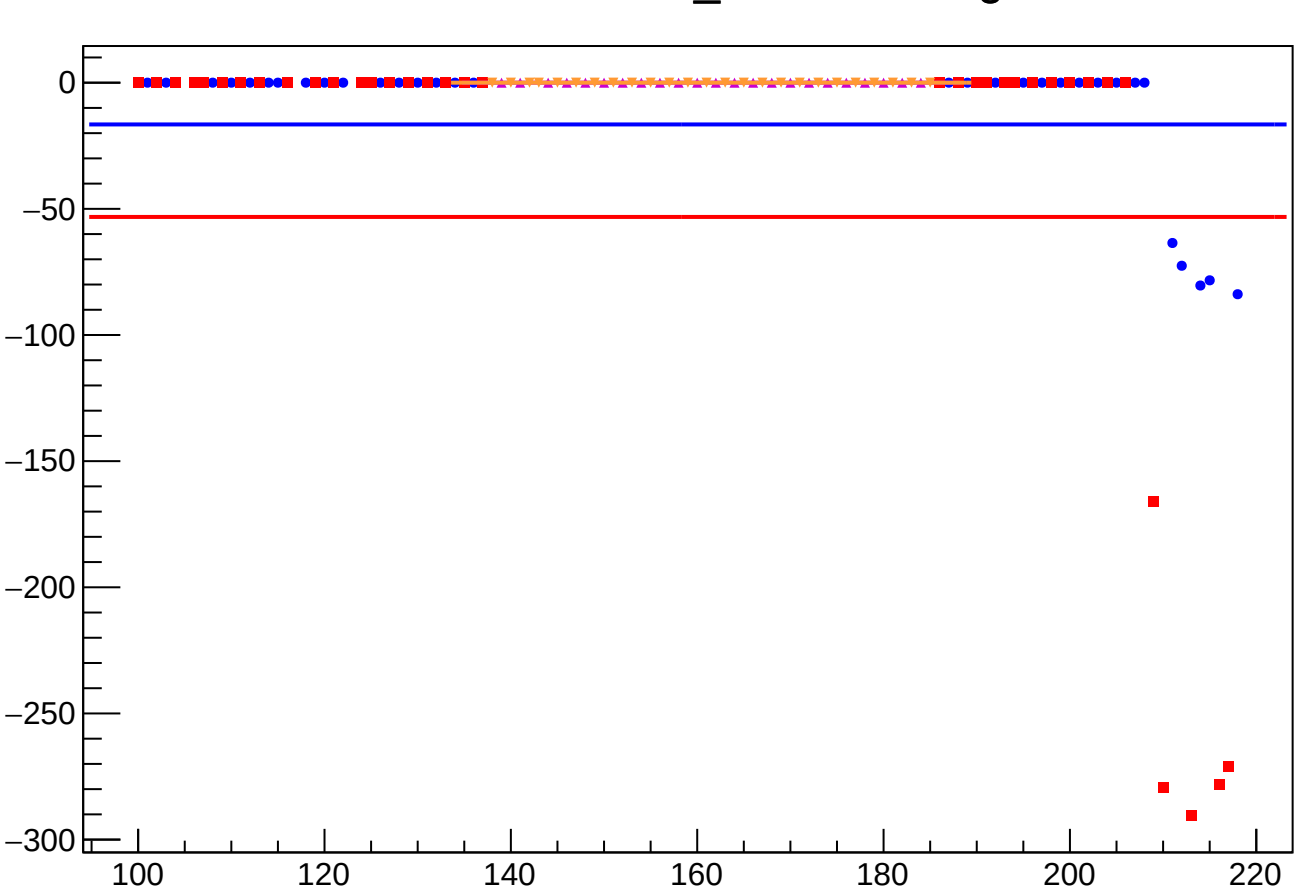
Right Out: -53.196+/-0.000 χ^2/NDF: 2394231698400436444048549339001467699 2.0/35

Left In: 0.009+/-0.000 χ^2/NDF:0.1/22

+ sign -8.370+/-0.000 χ^2/NDF: 2342189371468279

All: -18.118+/-0.000 χ^2/NDF: 299090297380

- sign -28.013+/-0.000 χ^2/NDF: 267840763953114



Right In: -16.545+/-0.000 χ^2/NDF: 2063896289787776370527787362746892288.0/31

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: -53.207+/-0.000 χ^2/NDF: 23942943798077858326631314950759383040.0/35

Left In: 0.009+/-0.000 χ^2/NDF:0.1/22

+ sign -8.373+/-0.000 χ^2/NDF: 2343920142408932

All: -18.122+/-0.000 χ^2/NDF: 299129014845

- sign -28.020+/-0.000 χ^2/NDF: 2678595087174102