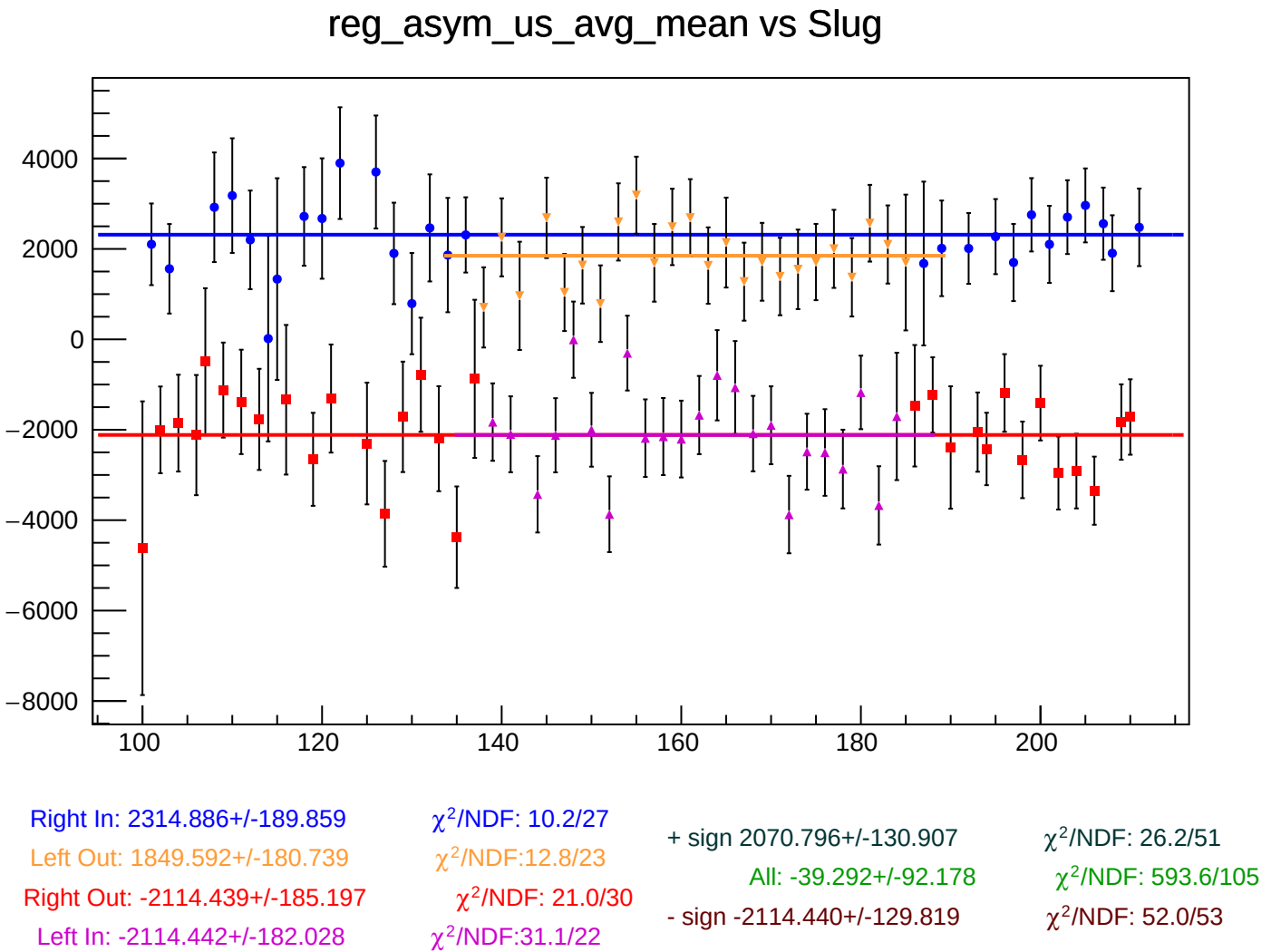


Right In: 2314.886+/-189.859 χ^2/NDF: 10.2/27

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

Right Out: -2114.439+/-185.197 χ^2/NDF: 21.0/30

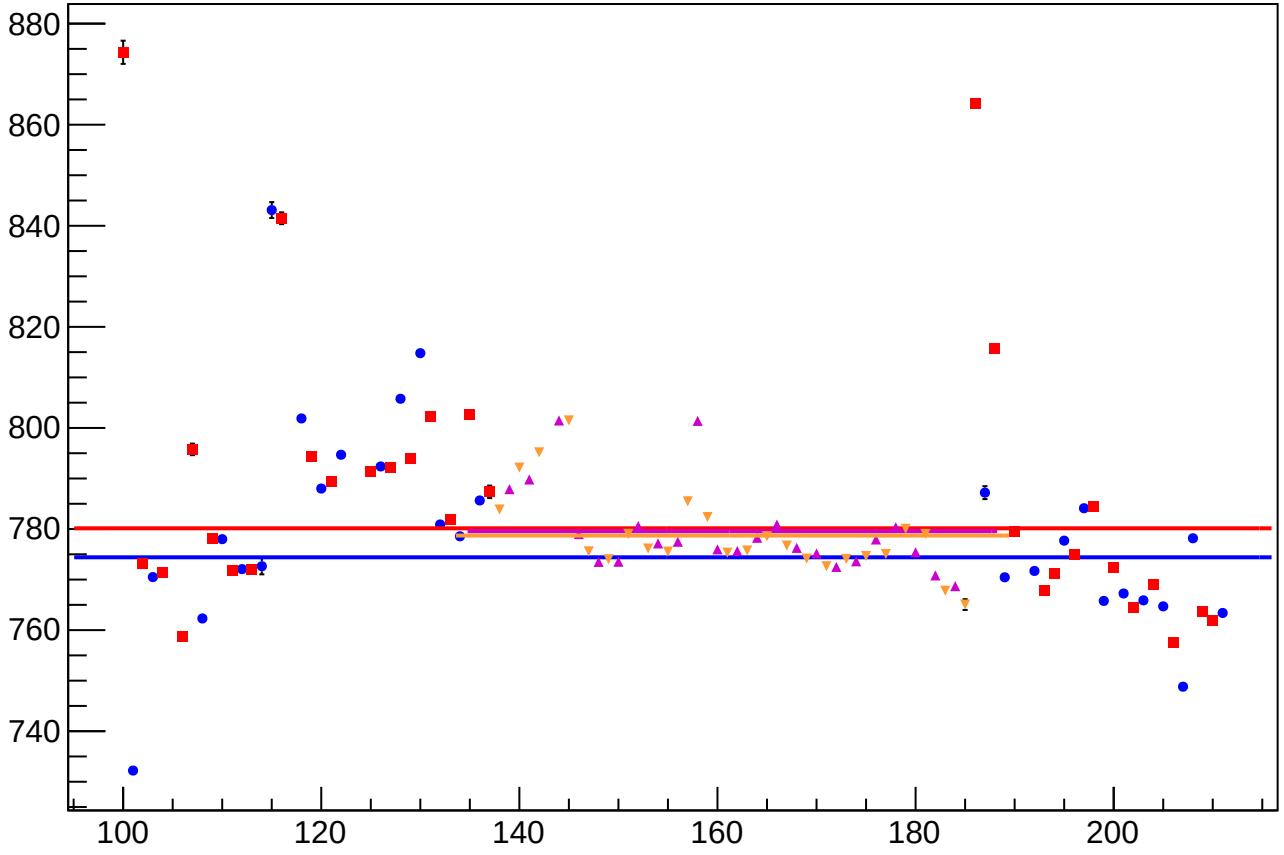
Left In: -2114.442+/-182.028 χ^2/NDF:31.1/22

\+ sign 2070.796+/-130.907 χ^2/NDF: 26.2/51

All: -39.292+/-92.178 χ^2/NDF: 593.6/105

\- sign -2114.440+/-129.819 χ^2/NDF: 52.0/53

reg_asym_us_avg_rms vs Slug



Right In: 774.406+/-0.134 χ^2/NDF: 17298.2/27

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

Right Out: 780.143+/-0.131 χ^2/NDF: 25236.1/30

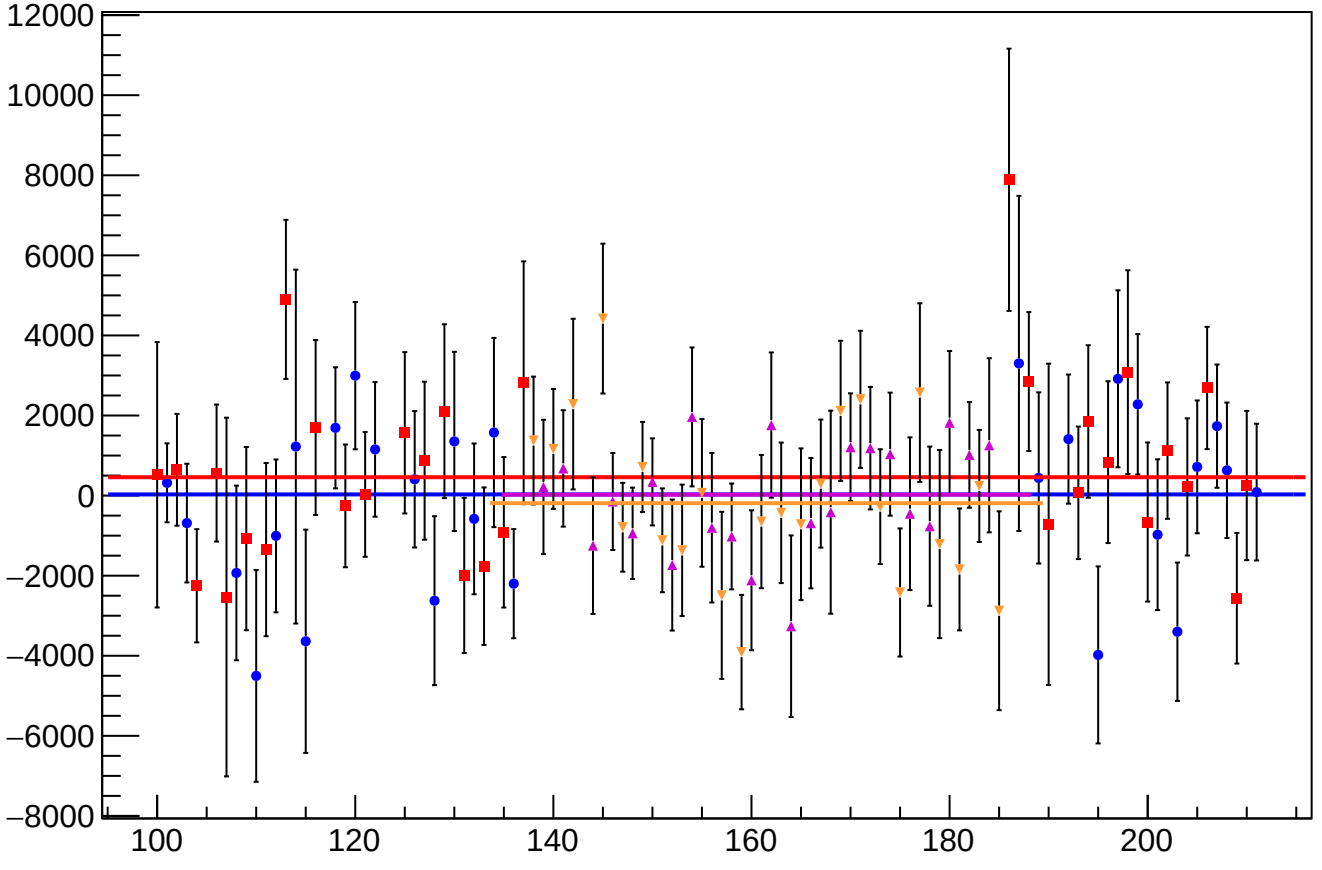
Left In: 779.575+/-0.129 χ^2/NDF:4172.9/22

+ sign 776.663+/-0.093 χ^2/NDF: 21226.7/51

All: 778.272+/-0.065 χ^2/NDF: 51244.4/105

- sign 779.854+/-0.092 χ^2/NDF: 29418.6/53

asym_us_avg_reg_correction_mean vs Slug



Right In: 29.684+/-340.240 χ^2/NDF: 29.4/27

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

Right Out: 458.965+/-345.135 χ^2/NDF: 30.7/30

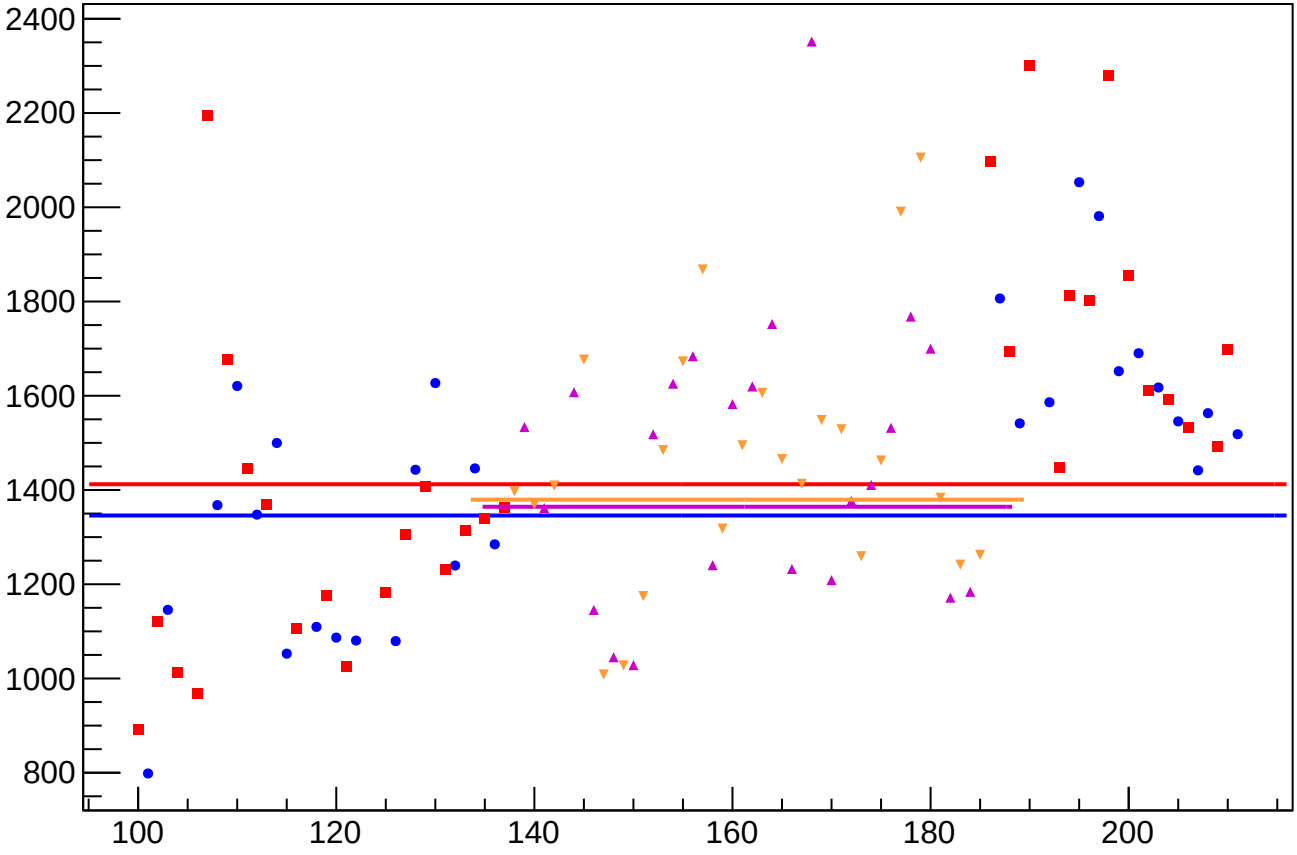
Left In: 23.750+/-325.809 χ^2/NDF:13.5/22

\+ sign -83.774+/-236.018 χ^2/NDF: 59.2/51

All: 71.934+/-167.208 χ^2/NDF: 105.1/105

\- sign 228.832+/-236.919 χ^2/NDF: 45.0/53

asym_us_avg_reg_correction_rms vs Slug



Right In: 1345.864+/-0.241 χ^2/NDF: 1659515.5/27

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

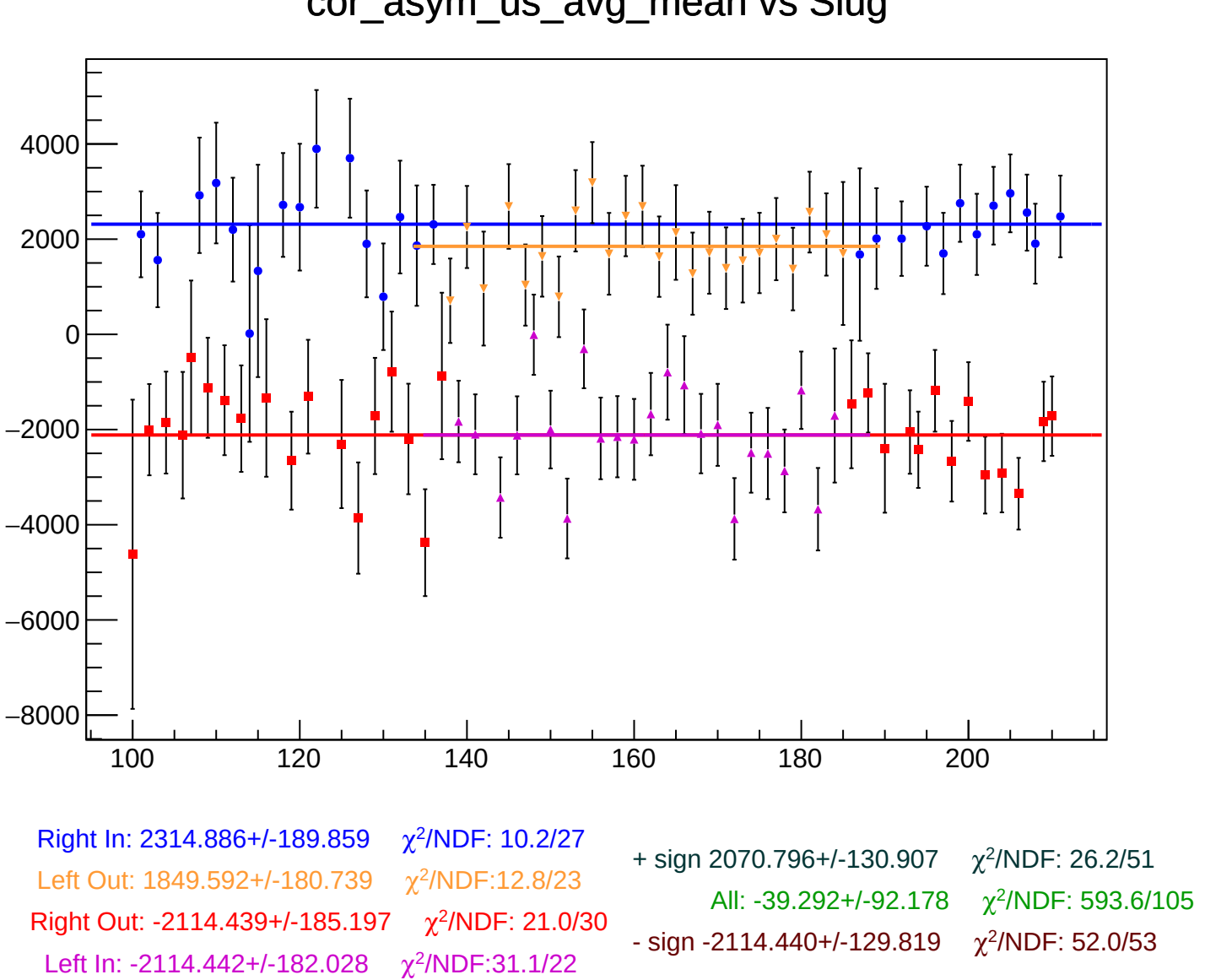
Right Out: 1412.236+/-0.244 χ^2/NDF: 1636378.1/30

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

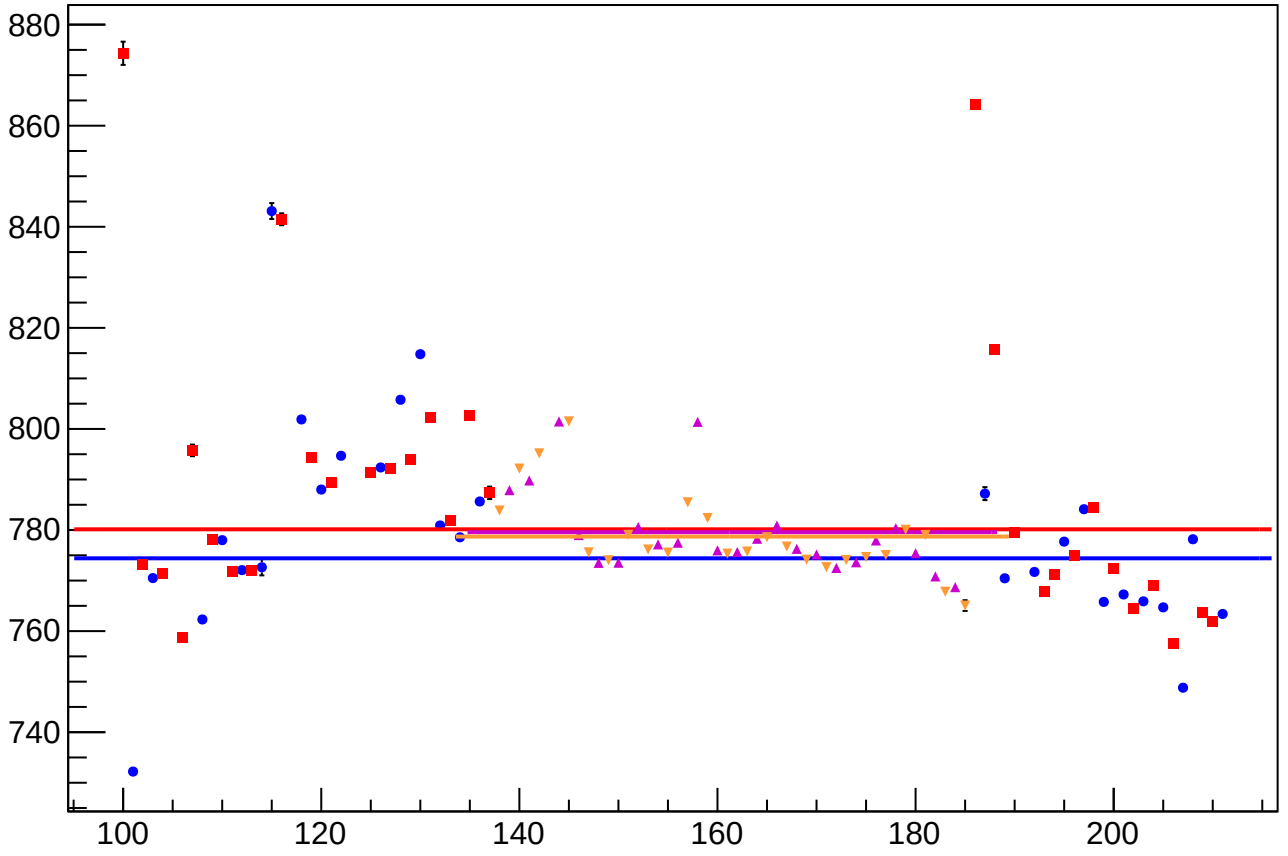
+ sign 1363.333+/-0.167 χ^2/NDF: 2828146.6/51

All: 1375.095+/-0.118 χ^2/NDF: 5807103.0/10

- sign 1386.948+/-0.168 χ^2/NDF: 2968983.8/53


cor_asym_us_avg_mean vs Slug
4000
2000
0
−2000
−4000
−6000
−8000
100
120
140
160
180
200
Right In: 2314.886+/-189.859 χ²/NDF: 10.2/27
Left Out: 1849.592+/-180.739 χ²/NDF:12.8/23
Right Out: -2114.439+/-185.197 χ²/NDF: 21.0/30
Left In: -2114.442+/-182.028 χ²/NDF:31.1/22
+ sign 2070.796+/-130.907 χ²/NDF: 26.2/51
All: -39.292+/-92.178 χ²/NDF: 593.6/105
- sign -2114.440+/-129.819 χ²/NDF: 52.0/53

cor_asym_us_avg_rms vs Slug



Right In: 774.406+/-0.134 χ^2/NDF: 17298.2/27

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

Right Out: 780.143+/-0.131 χ^2/NDF: 25236.1/30

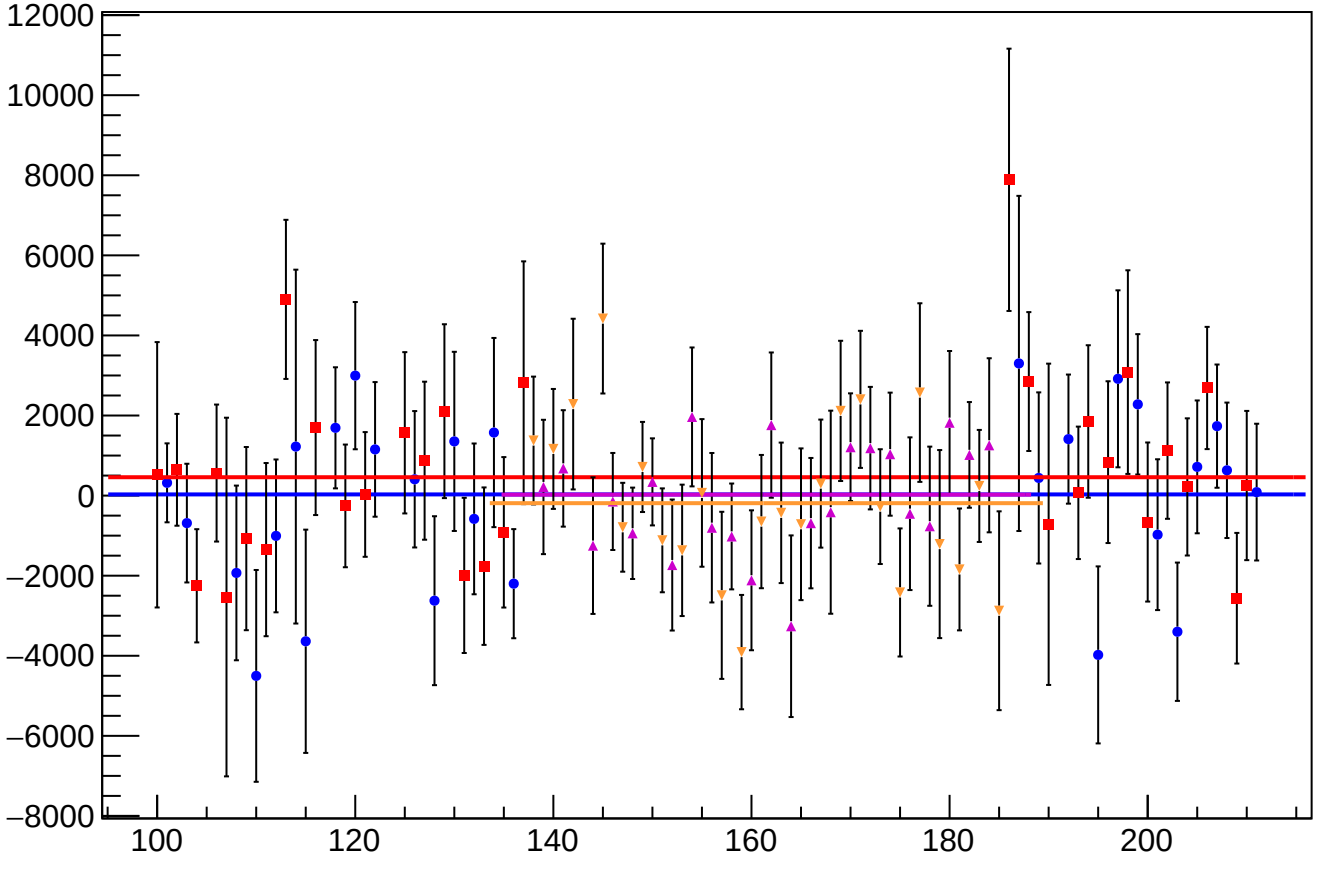
Left In: 779.575+/-0.129 χ^2/NDF:4172.9/22

+ sign 776.663+/-0.093 χ^2/NDF: 21226.7/51

All: 778.272+/-0.065 χ^2/NDF: 51244.4/105

- sign 779.854+/-0.092 χ^2/NDF: 29418.6/53

asym_us_avg_cor_correction_mean vs Slug



Right In: 29.684+/-340.240 χ^2/NDF: 29.4/27

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

Right Out: 458.965+/-345.135 χ^2/NDF: 30.7/30

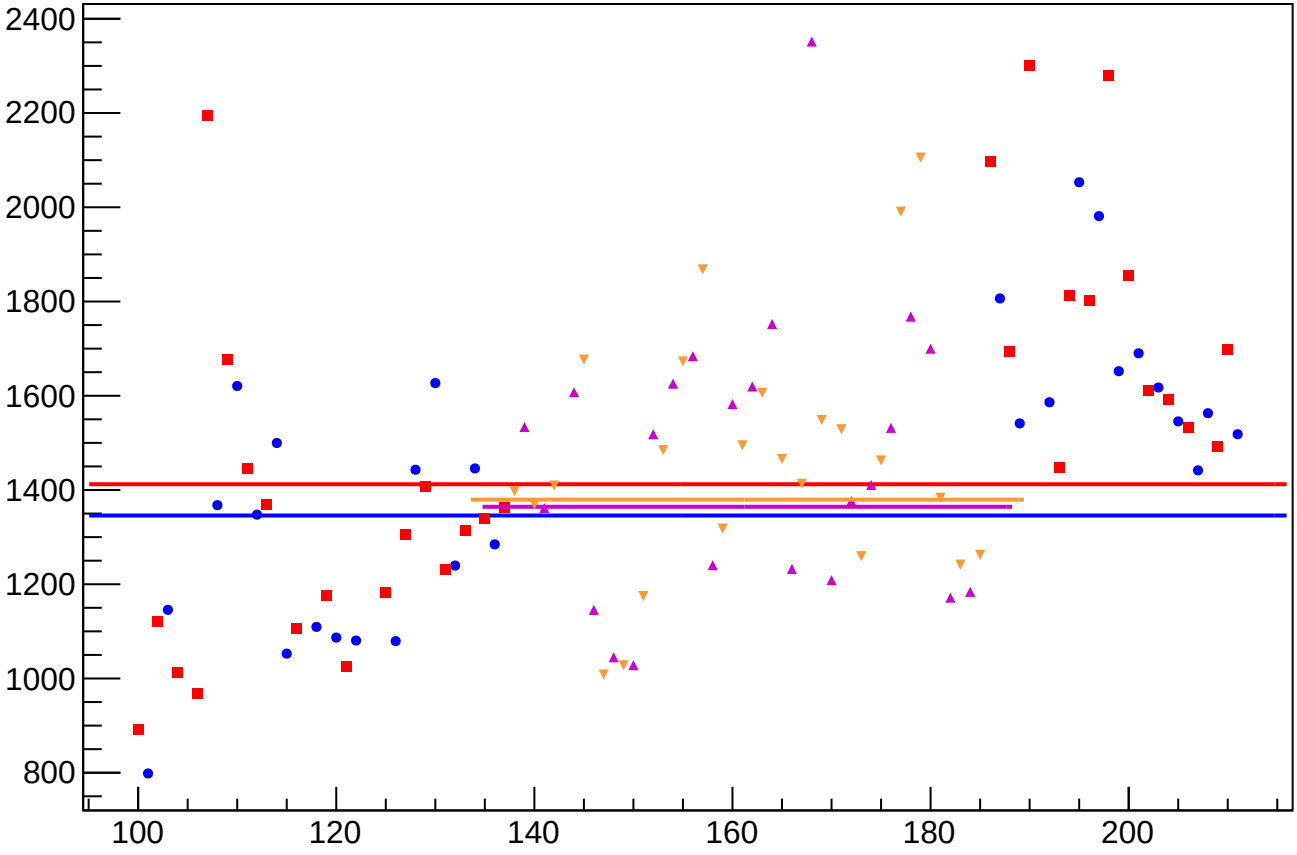
Left In: 23.750+/-325.809 χ^2/NDF:13.5/22

+ sign -83.774+/-236.018 χ^2/NDF: 59.2/51

All: 71.934+/-167.208 χ^2/NDF: 105.1/105

- sign 228.832+/-236.919 χ^2/NDF: 45.0/53

asym_us_avg_cor_correction_rms vs Slug



Right In: 1345.864+/-0.241 χ^2/NDF: 1659515.5/27

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

Right Out: 1412.236+/-0.244 χ^2/NDF: 1636378.1/30

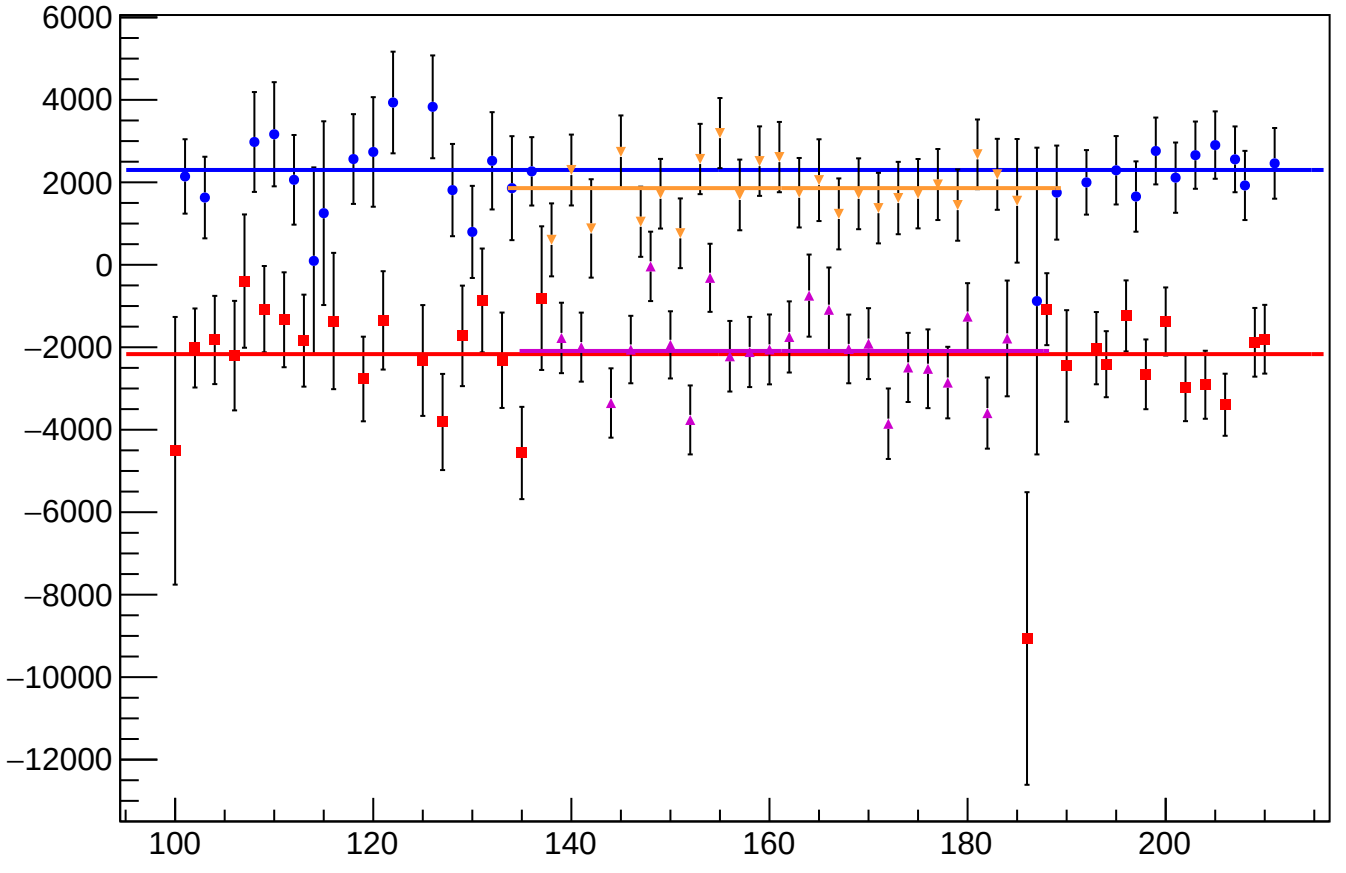
Left In: 1364.412+/-0.230 χ^2/NDF:1312299.5/22

+ sign 1363.333+/-0.167 χ^2/NDF: 2828146.6/51

All: 1375.095+/-0.118 χ^2/NDF: 5807103.0/10

- sign 1386.948+/-0.168 χ^2/NDF: 2968983.8/53

overload_cor_asym_us_avg_mean vs Slug



Right In: 2299.657+/-190.799 χ^2/NDF: 11.2/27

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

Right Out: -2166.089+/-186.902 χ^2/NDF: 25.7/30

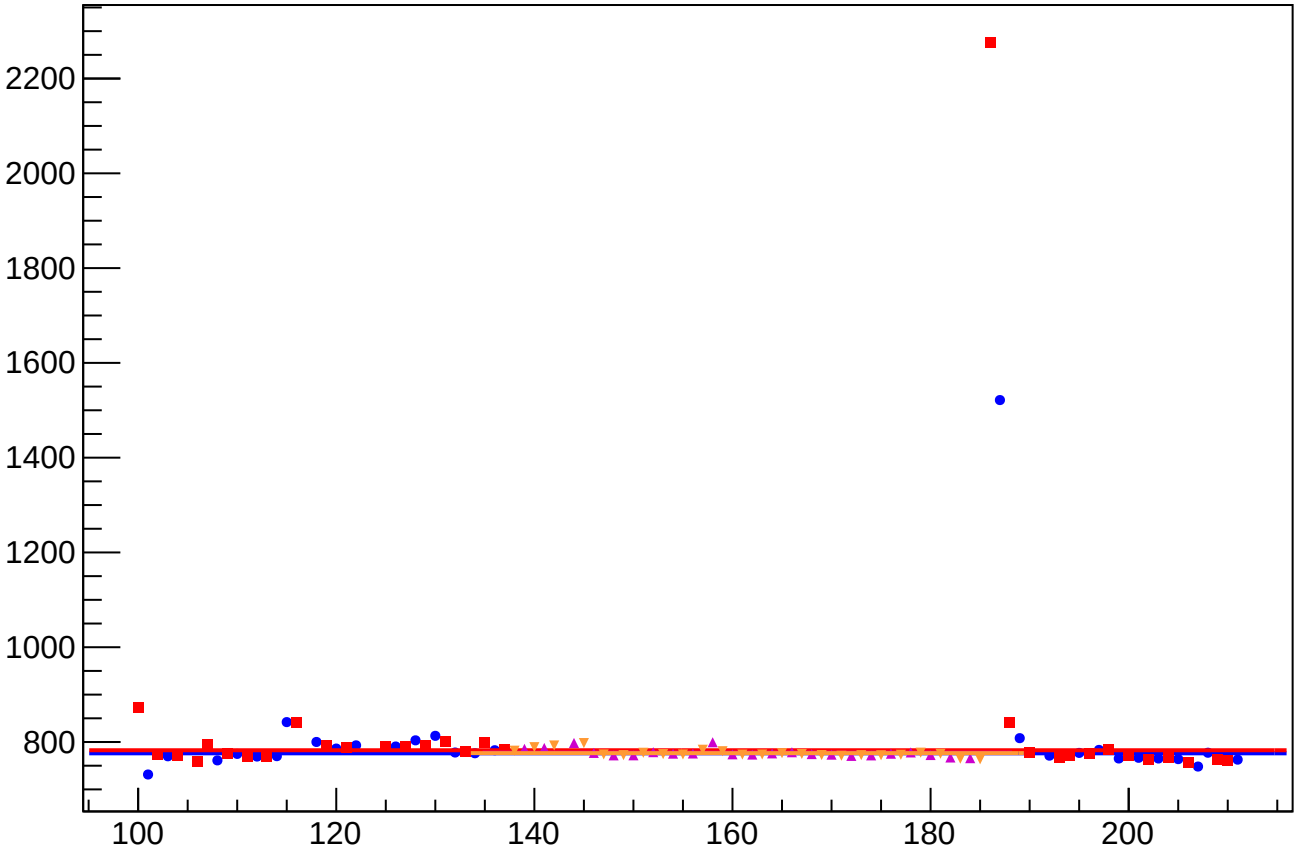
Left In: -2089.493+/-181.523 χ^2/NDF:29.6/22

+ sign 2067.066+/-131.019 χ^2/NDF: 27.5/51

All: -42.694+/-92.359 χ^2/NDF: 598.4/105

- sign -2126.673+/-130.216 χ^2/NDF: 55.4/53

overload_cor_asym_us_avg_rms vs Slug



Right In: 776.112+/-0.135 χ^2/NDF: 98834.2/27

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

Right Out: 782.609+/-0.132 χ^2/NDF: 378559.8/30

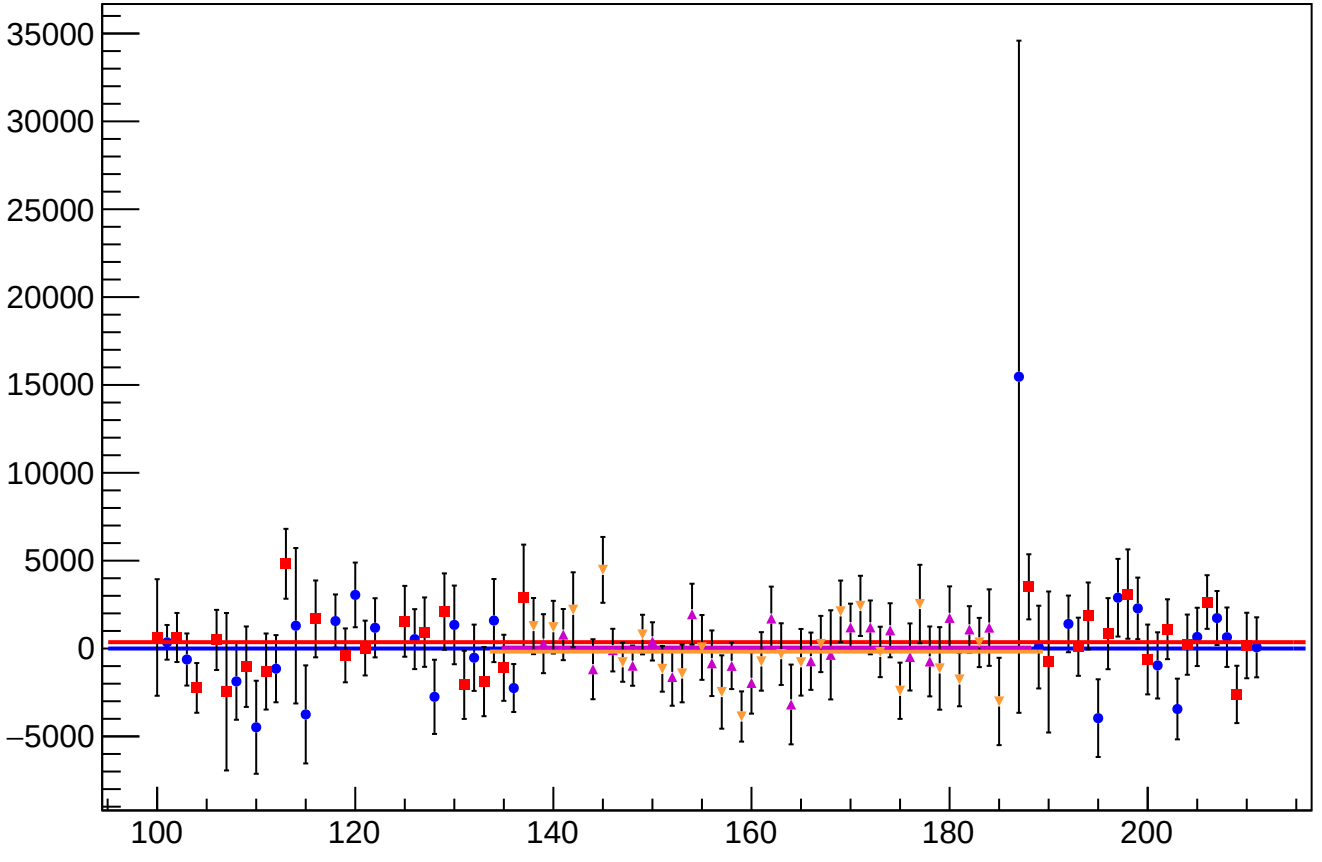
Left In: 777.413+/-0.128 χ^2/NDF:4062.1/22

+ sign 776.329+/-0.093 χ^2/NDF: 101976.2/51

All: 778.143+/-0.065 χ^2/NDF: 486155.7/105

- sign 779.935+/-0.092 χ^2/NDF: 383417.5/53

asym_us_avg_overload_cor_correction_mean vs Slug



Right In: 0.231+/-342.317 χ^2/NDF: 29.7/27

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

Right Out: 362.394+/-348.146 χ^2/NDF: 26.5/29

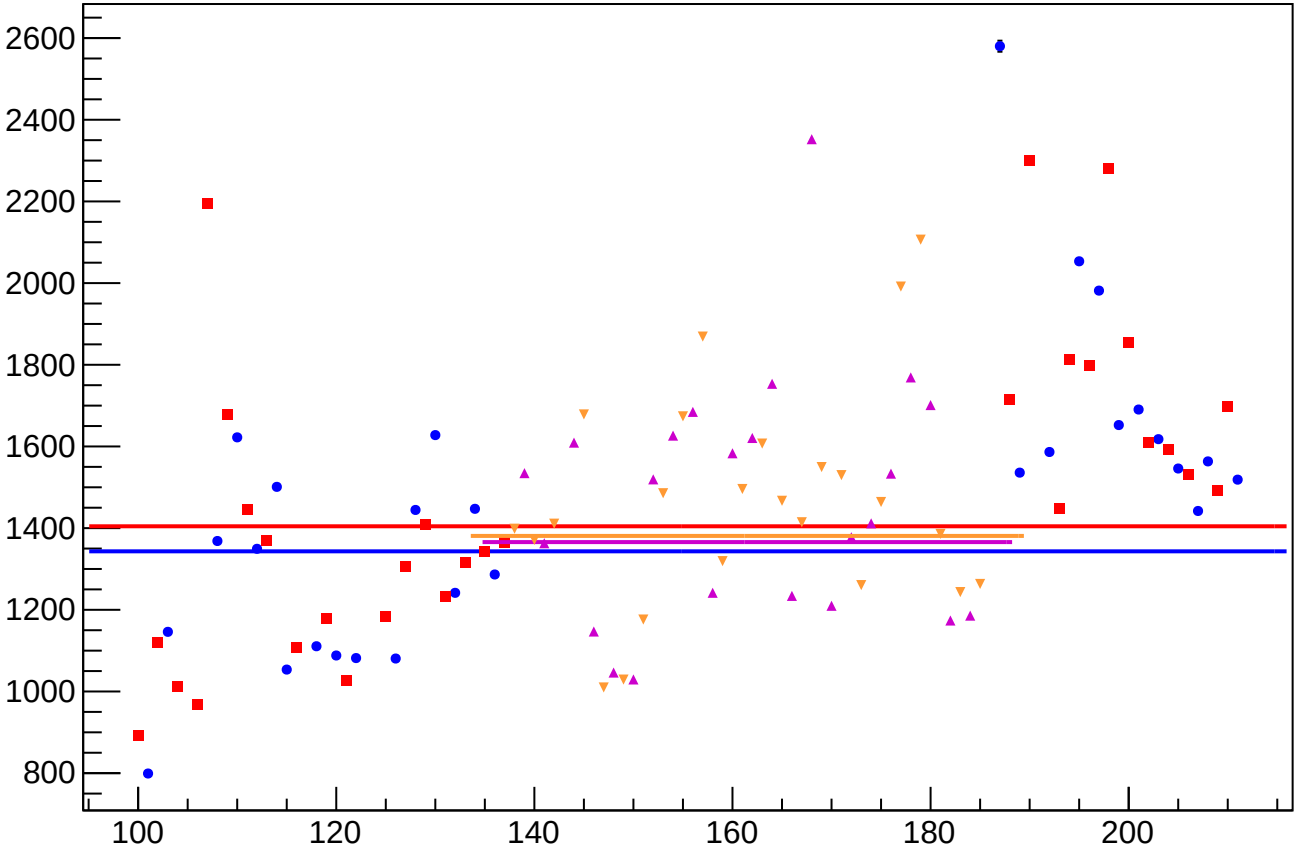
Left In: 52.820+/-326.124 χ^2/NDF:13.0/22

+ sign -91.092+/-236.827 χ^2/NDF: 59.4/51

All: 52.489+/-167.879 χ^2/NDF: 100.1/104

- sign 197.508+/-238.009 χ^2/NDF: 39.9/52

asym_us_avg_overload_cor_correction_rms vs Slug



Right In: 1343.203+/-0.242 χ^2/NDF: 1635361.3/27

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

Right Out: 1404.525+/-0.246 χ^2/NDF: 1541855.2/29

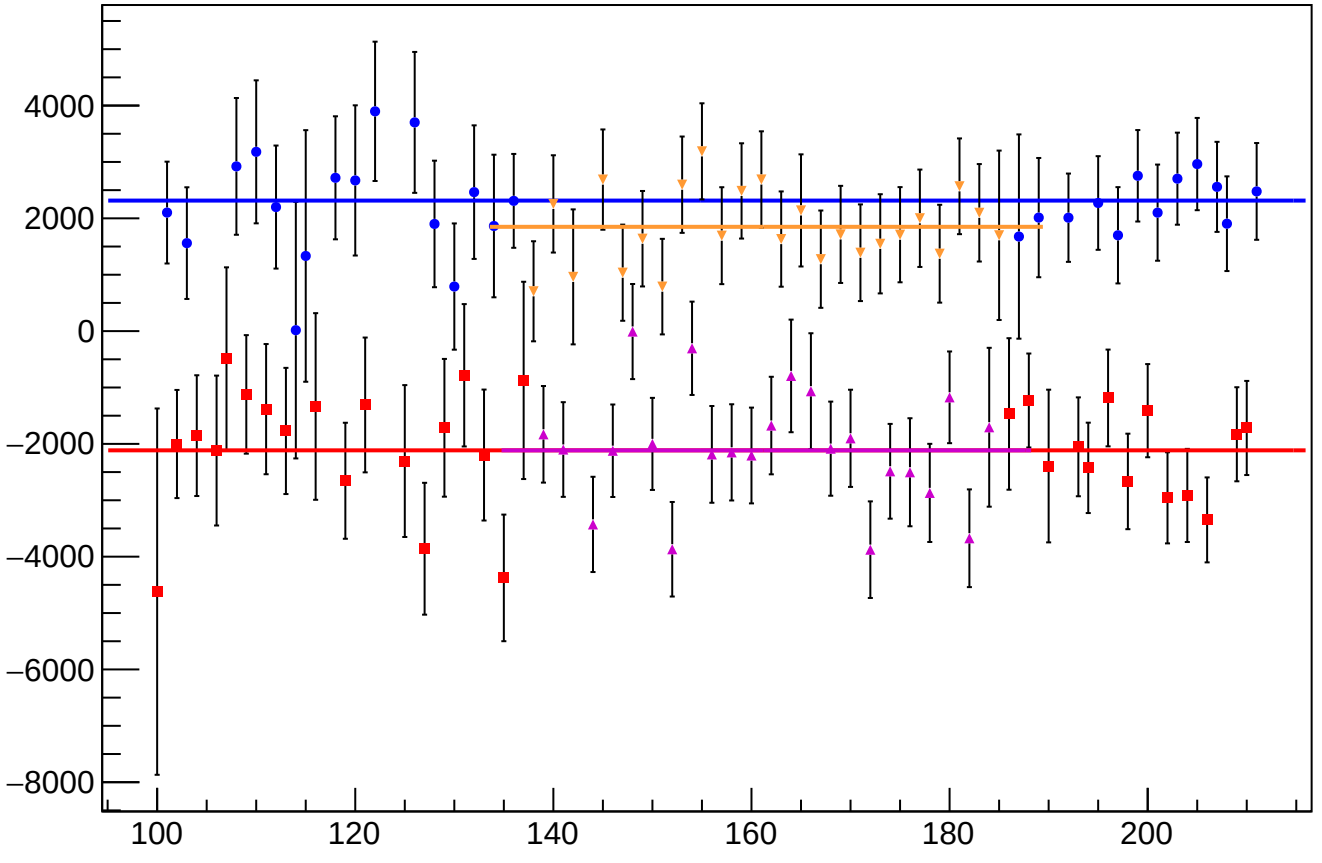
Left In: 1365.811+/-0.231 χ^2/NDF:1308862.5/22

+ sign 1362.884+/-0.167 χ^2/NDF: 2803479.3/51

All: 1373.342+/-0.119 χ^2/NDF: 5675208.9/10

- sign 1383.905+/-0.168 χ^2/NDF: 2863890.1/52

eigen_cor_asym_us_avg_mean vs Slug



Right In: 2314.886+/-189.859 χ^2/NDF: 10.2/27

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

Right Out: -2114.439+/-185.197 χ^2/NDF: 21.0/30

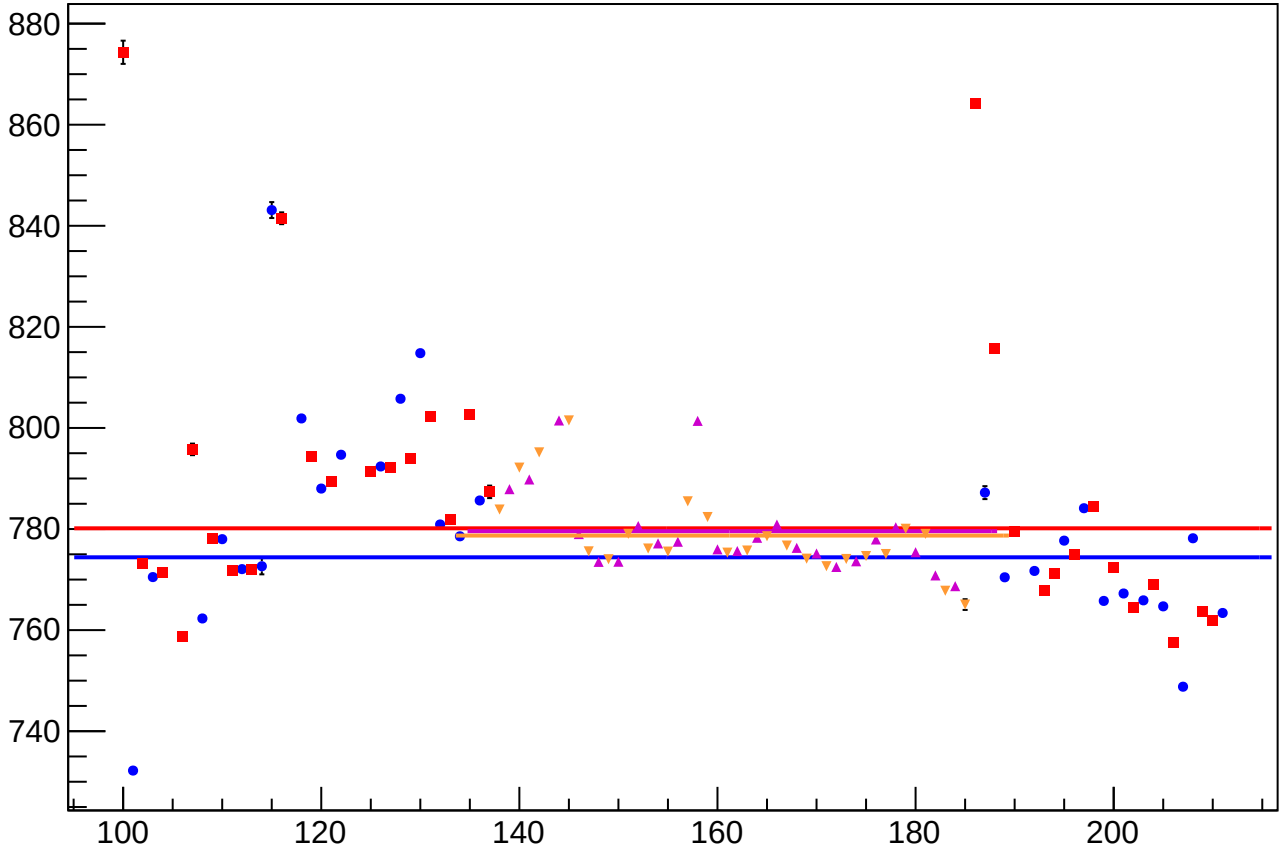
Left In: -2114.442+/-182.028 χ^2/NDF:31.1/22

+ sign 2070.796+/-130.907 χ^2/NDF: 26.2/51

All: -39.292+/-92.178 χ^2/NDF: 593.6/105

- sign -2114.440+/-129.819 χ^2/NDF: 52.0/53

eigen_cor_asym_us_avg_rms vs Slug



Right In: 774.406+/-0.134 χ^2/NDF: 17298.2/27

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

Right Out: 780.143+/-0.131 χ^2/NDF: 25236.1/30

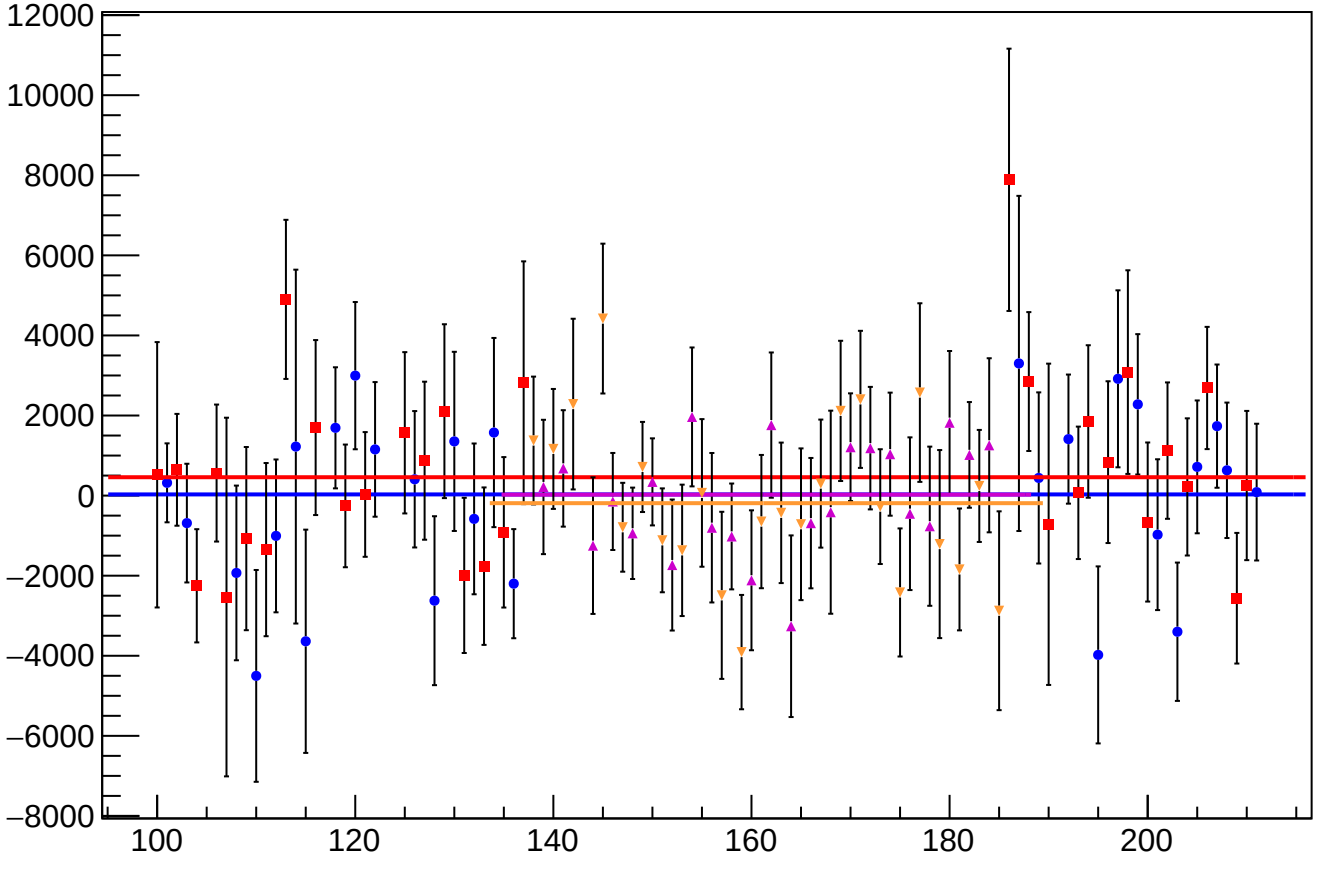
Left In: 779.575+/-0.129 χ^2/NDF:4172.9/22

+ sign 776.663+/-0.093 χ^2/NDF: 21226.7/51

All: 778.272+/-0.065 χ^2/NDF: 51244.4/105

- sign 779.854+/-0.092 χ^2/NDF: 29418.6/53

asym_us_avg_eigen_cor_correction_mean vs Slug



Right In: 29.684+/-340.240 χ^2/NDF: 29.4/27

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

Right Out: 458.965+/-345.135 χ^2/NDF: 30.7/30

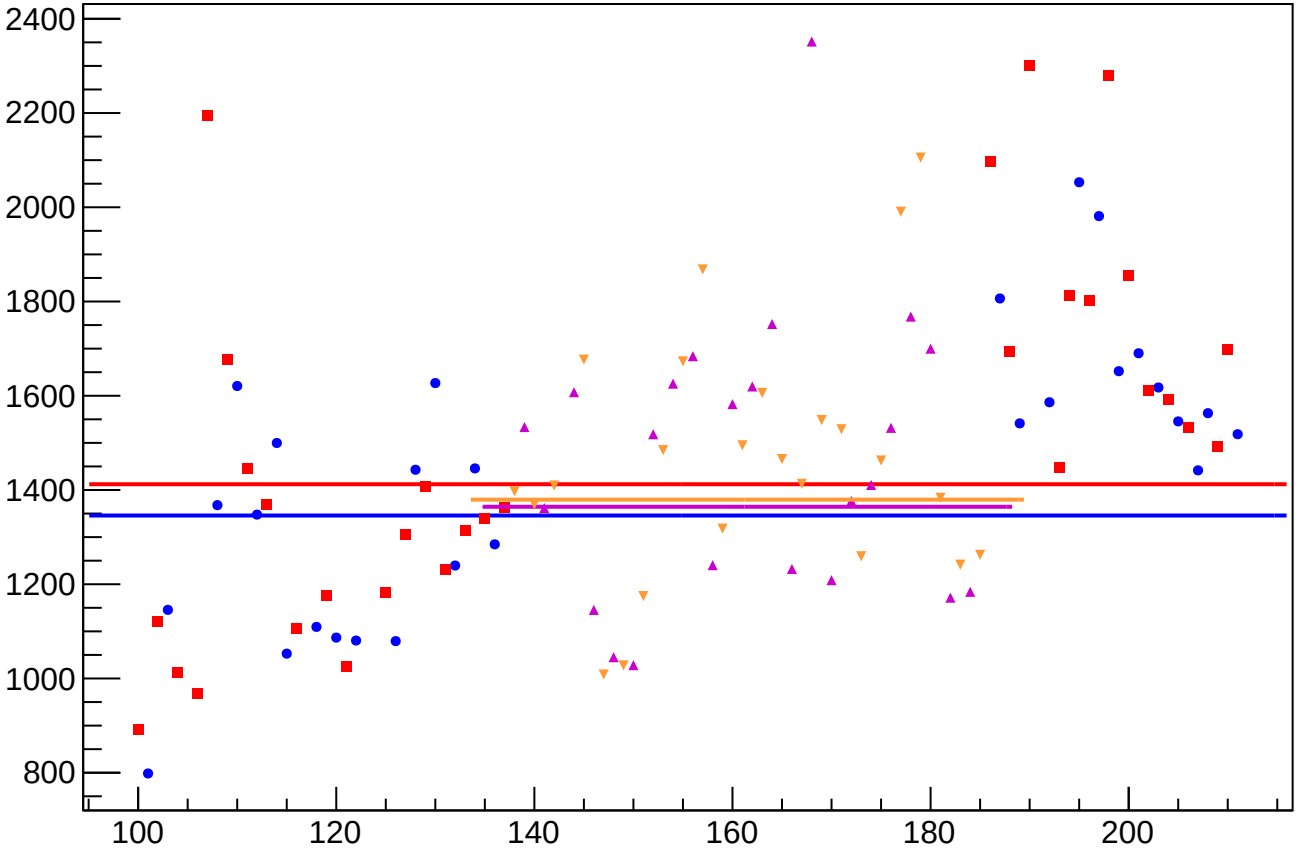
Left In: 23.750+/-325.809 χ^2/NDF:13.5/22

+ sign -83.774+/-236.018 χ^2/NDF: 59.2/51

All: 71.934+/-167.208 χ^2/NDF: 105.1/105

- sign 228.832+/-236.919 χ^2/NDF: 45.0/53

asym_us_avg_eigen_cor_correction_rms vs Slug



Right In: 1345.864+/-0.241 χ^2/NDF: 1659515.5/27

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

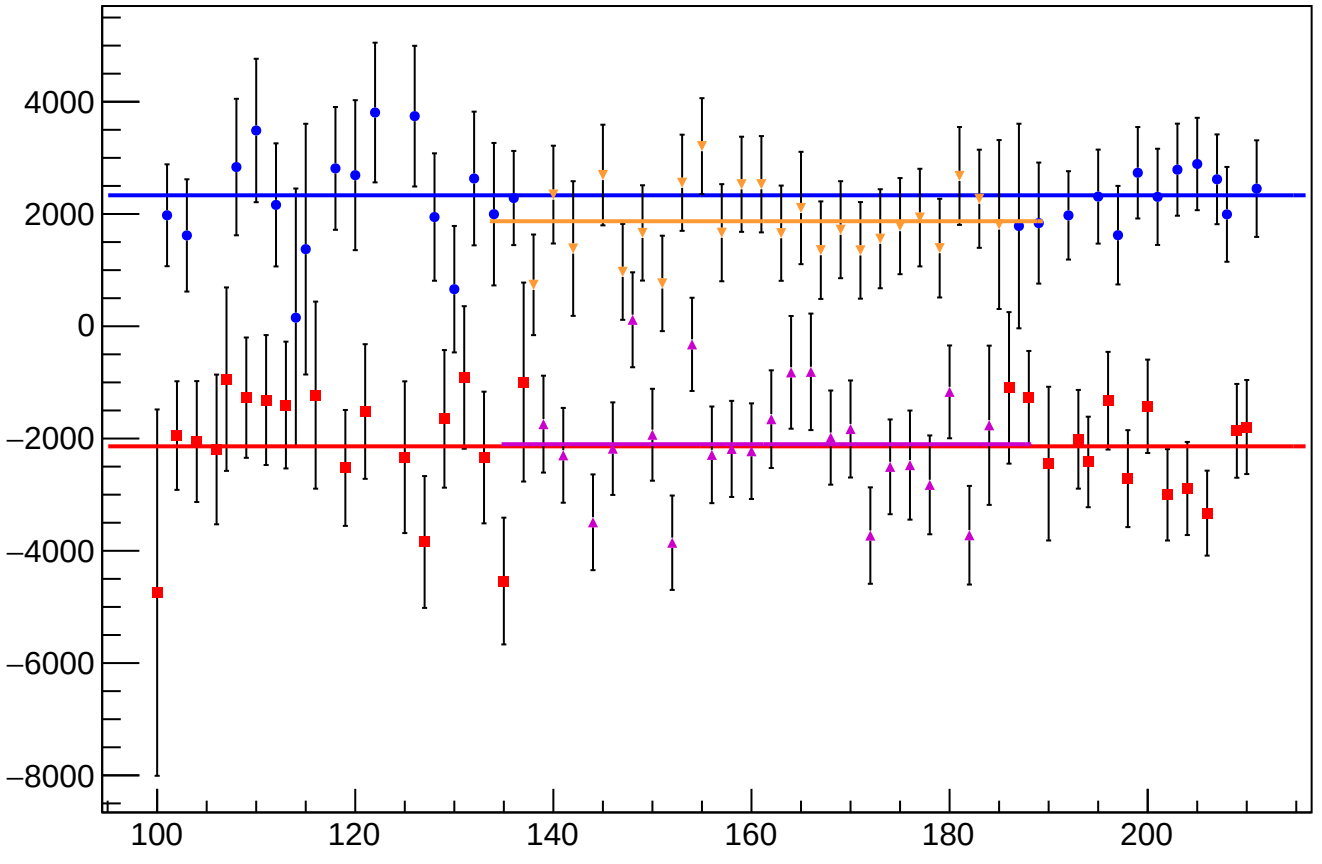
Right Out: 1412.236+/-0.244 χ^2/NDF: 1636378.1/30

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

+ sign 1363.333+/-0.167 χ^2/NDF: 2828146.6/51

All: 1375.095+/-0.118 χ^2/NDF: 5807103.0/10

- sign 1386.948+/-0.168 χ^2/NDF: 2968983.8/53



Right In: 2333.143+/-191.180 χ^2/NDF: 10.6/27

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

Right Out: -2138.809+/-186.462 χ^2/NDF: 20.3/30

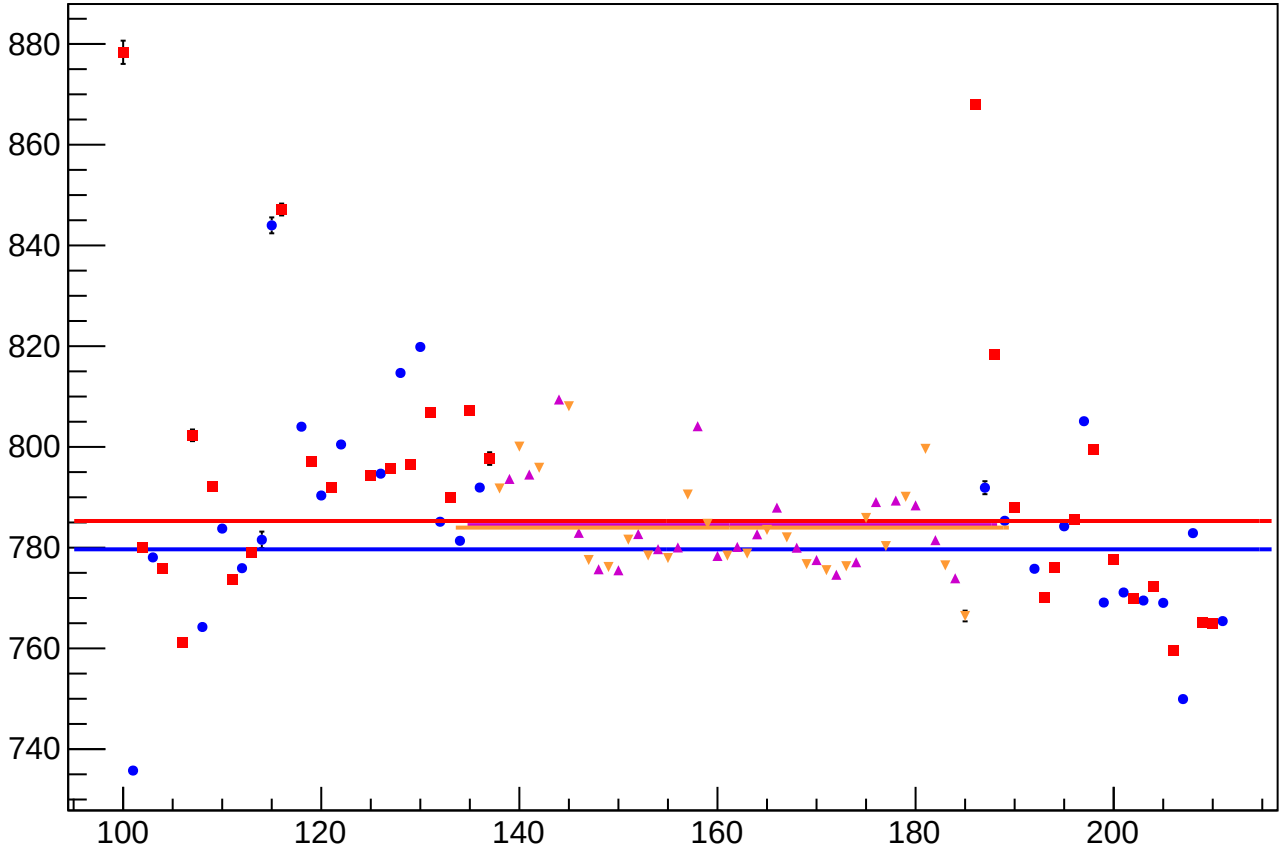
Left In: -2101.047+/-183.179 χ^2/NDF:31.8/22

+ sign 2090.920+/-131.810 χ^2/NDF: 26.2/51

All: -32.589+/-92.799 χ^2/NDF: 592.9/105

- sign -2119.593+/-130.672 χ^2/NDF: 52.1/53

dit_asym_us_avg_rms vs Slug



Right In: 779.669+/-0.135 χ^2/NDF: 20054.5/27

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

Right Out: 785.294+/-0.132 χ^2/NDF: 26097.5/30

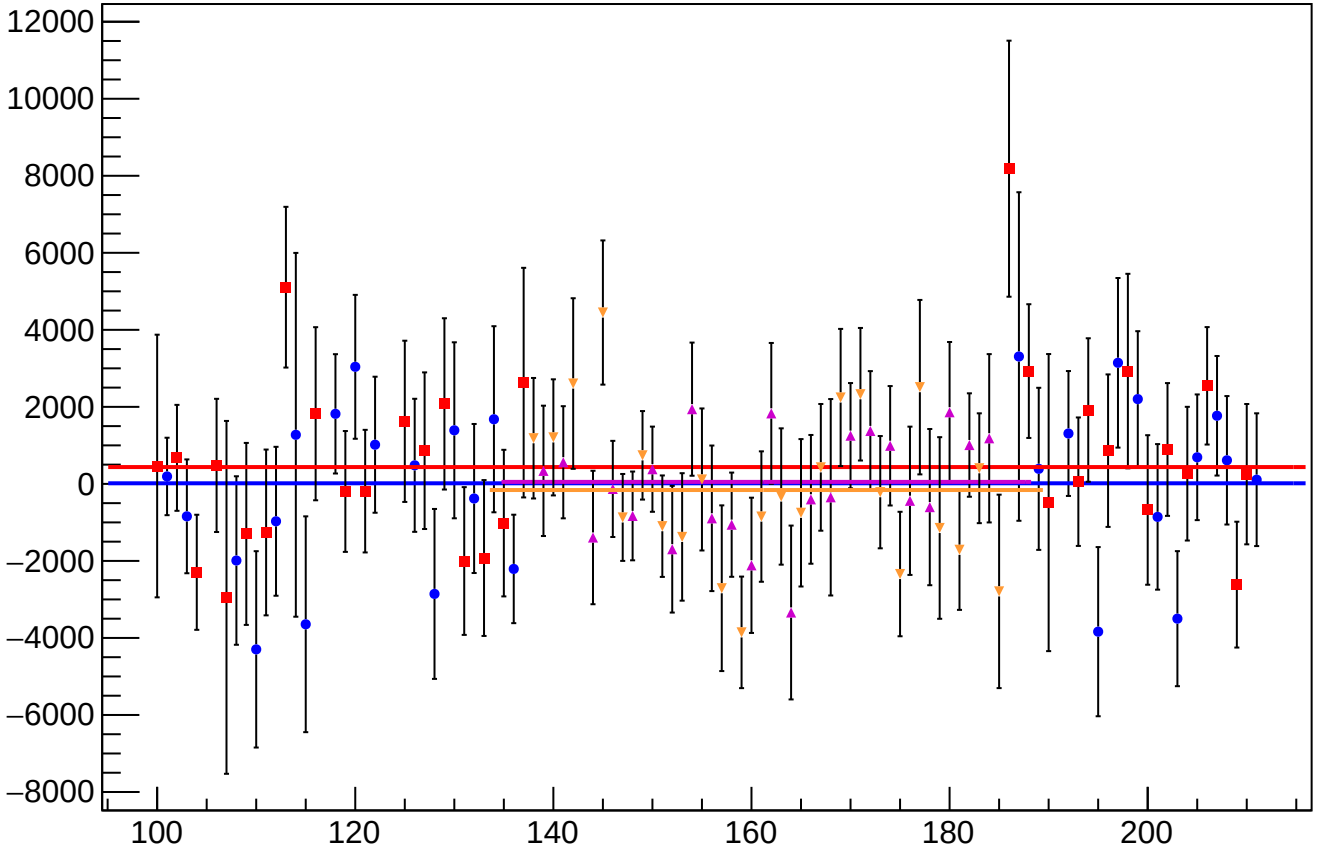
Left In: 784.473+/-0.130 χ^2/NDF:4927.7/22

+ sign 781.932+/-0.093 χ^2/NDF: 25516.5/51

All: 783.417+/-0.066 χ^2/NDF: 57064.9/105

- sign 784.876+/-0.092 χ^2/NDF: 31045.0/53

asym_us_avg_dit_correction_mean vs Slug



Right In: 15.571+/-344.281 χ^2/NDF: 29.3/27

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

Right Out: 436.733+/-348.493 χ^2/NDF: 30.9/30

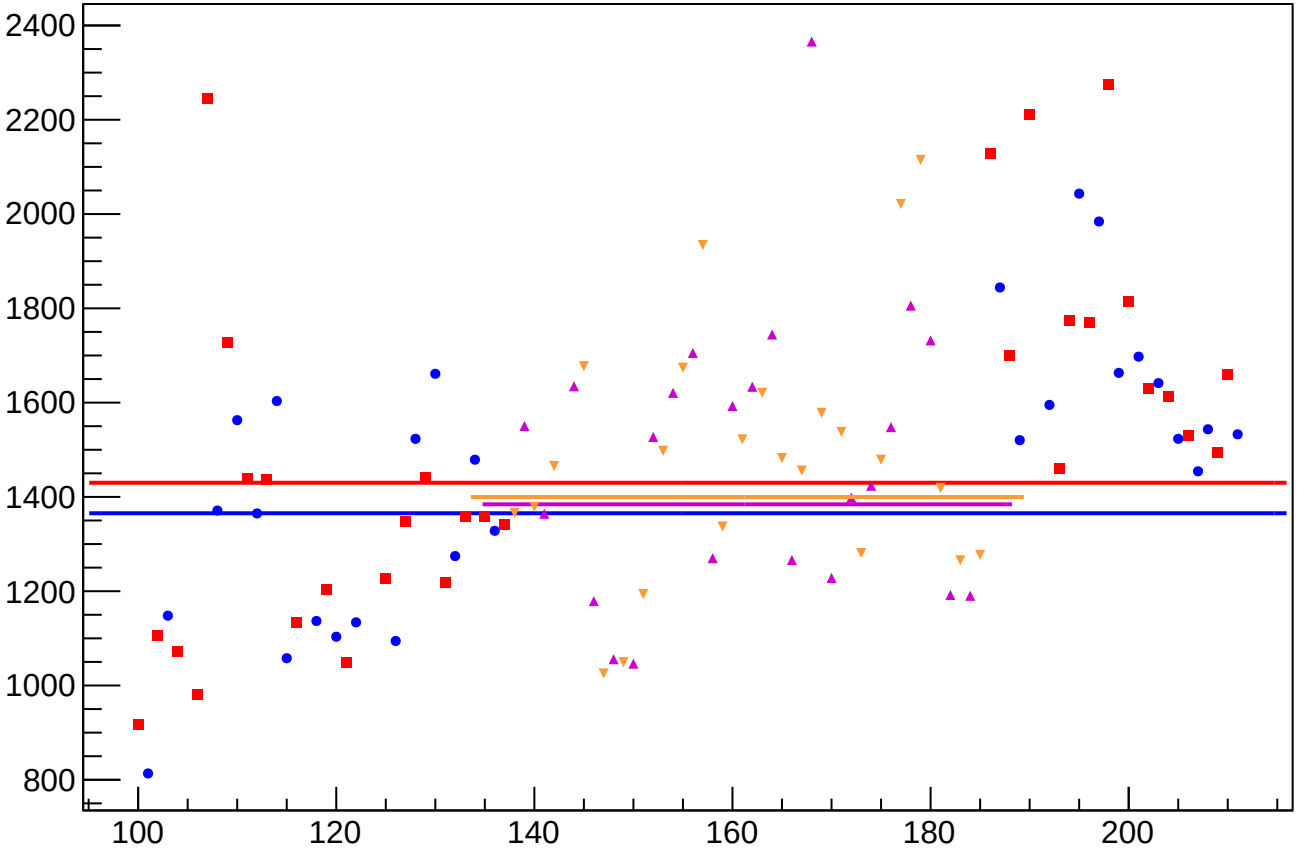
Left In: 51.975+/-330.206 χ^2/NDF:13.4/22

+ sign -74.976+/-239.054 χ^2/NDF: 58.5/51

All: 79.096+/-169.263 χ^2/NDF: 104.3/105

- sign 233.995+/-239.695 χ^2/NDF: 44.9/53

asym_us_avg_dit_correction_rms vs Slug



Right In: 1365.337+/-0.243 χ^2/NDF: 1567645.0/27

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

Right Out: 1430.045+/-0.246 χ^2/NDF: 1487196.0/30

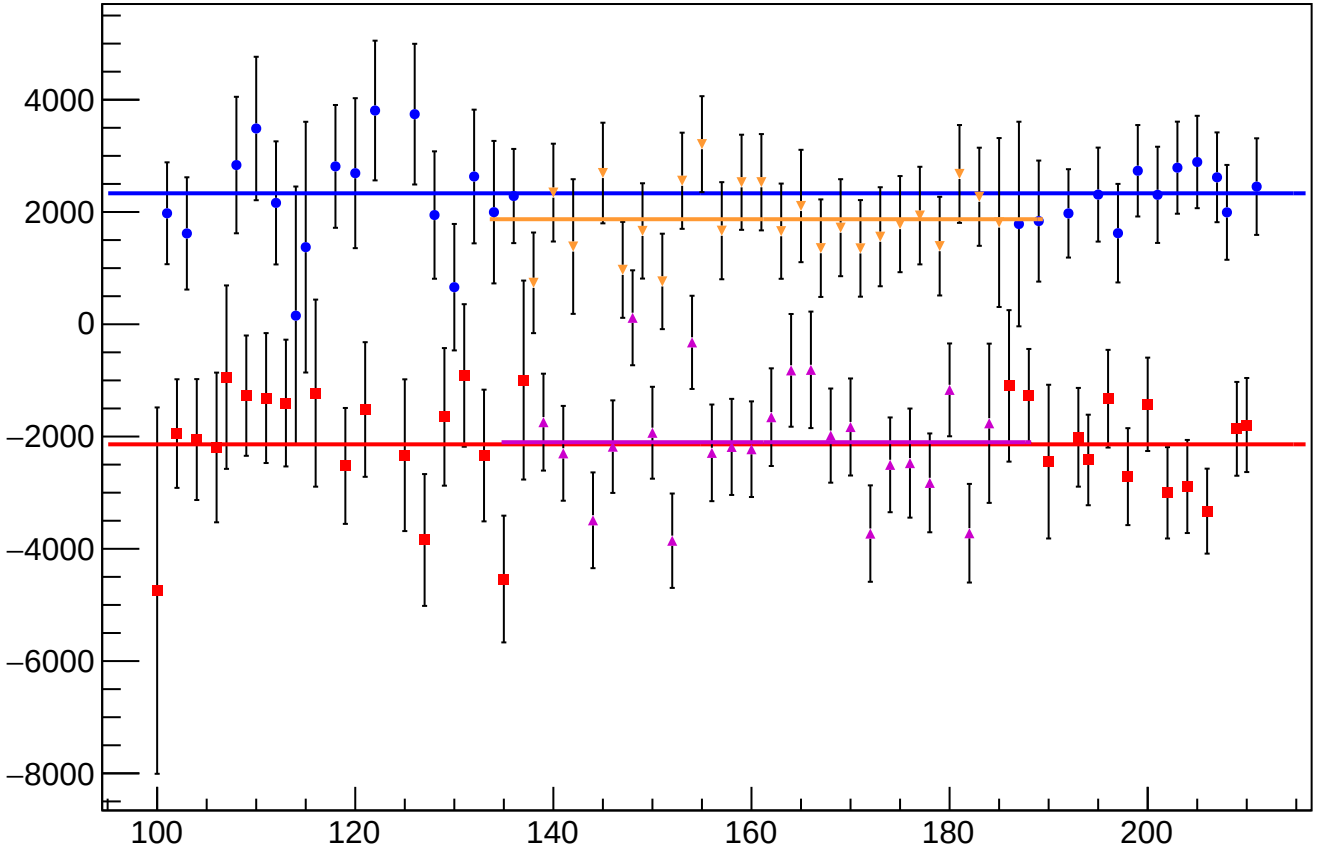
Left In: 1384.333+/-0.233 χ^2/NDF:1269936.6/22

+ sign 1383.141+/-0.169 χ^2/NDF: 2714323.4/51

All: 1394.519+/-0.120 χ^2/NDF: 5498673.8/10

- sign 1405.959+/-0.169 χ^2/NDF: 2775264.6/53

eigen_dit_asym_us_avg_mean vs Slug



Right In: 2333.143+/-191.180 χ^2/NDF: 10.6/27

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

Right Out: -2138.808+/-186.462 χ^2/NDF: 20.3/30

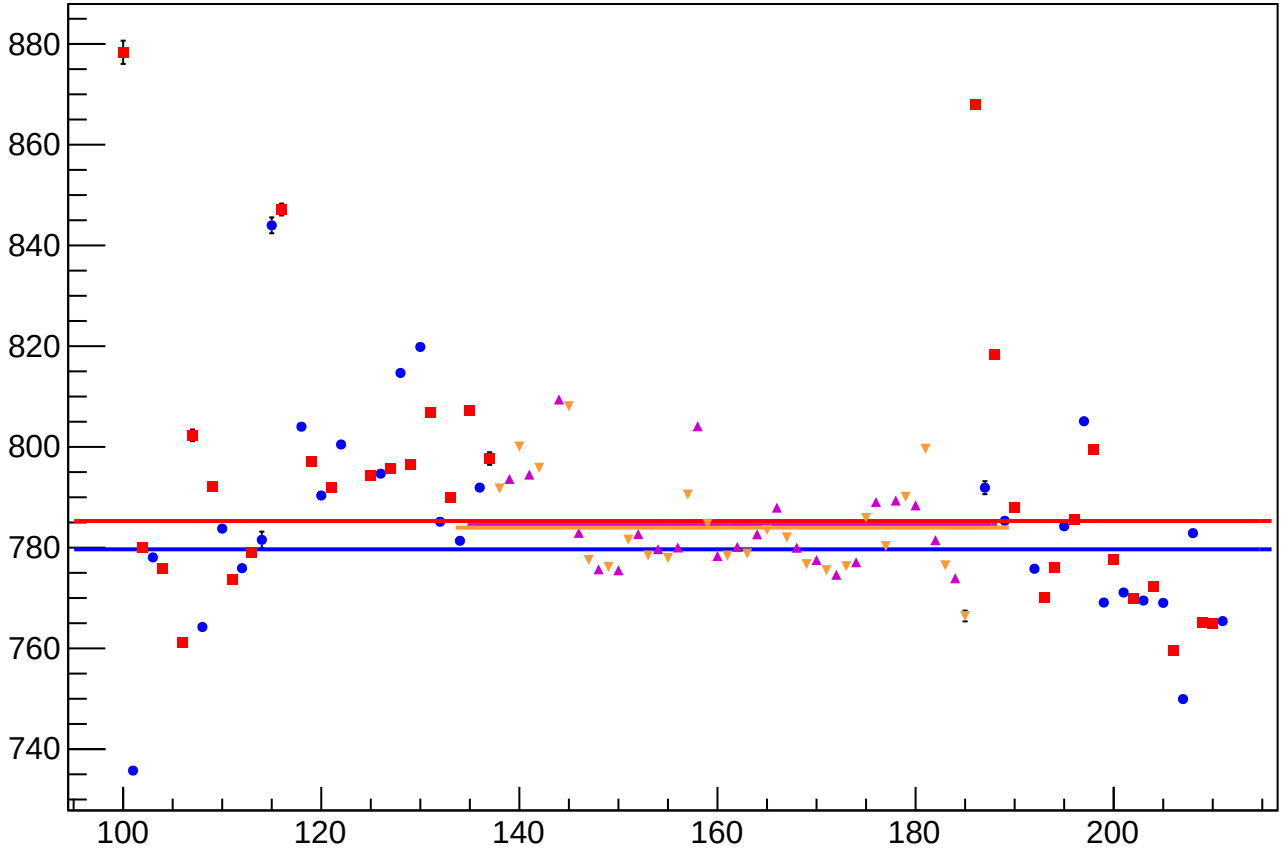
Left In: -2101.047+/-183.179 χ^2/NDF:31.8/22

+ sign 2090.919+/-131.810 χ^2/NDF: 26.2/51

All: -32.589+/-92.799 χ^2/NDF: 592.9/105

- sign -2119.592+/-130.672 χ^2/NDF: 52.1/53

eigen_dit_asym_us_avg_rms vs Slug



Right In: 779.669+/-0.135 χ^2/NDF: 20054.4/27

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

Right Out: 785.294+/-0.132 χ^2/NDF: 26097.5/30

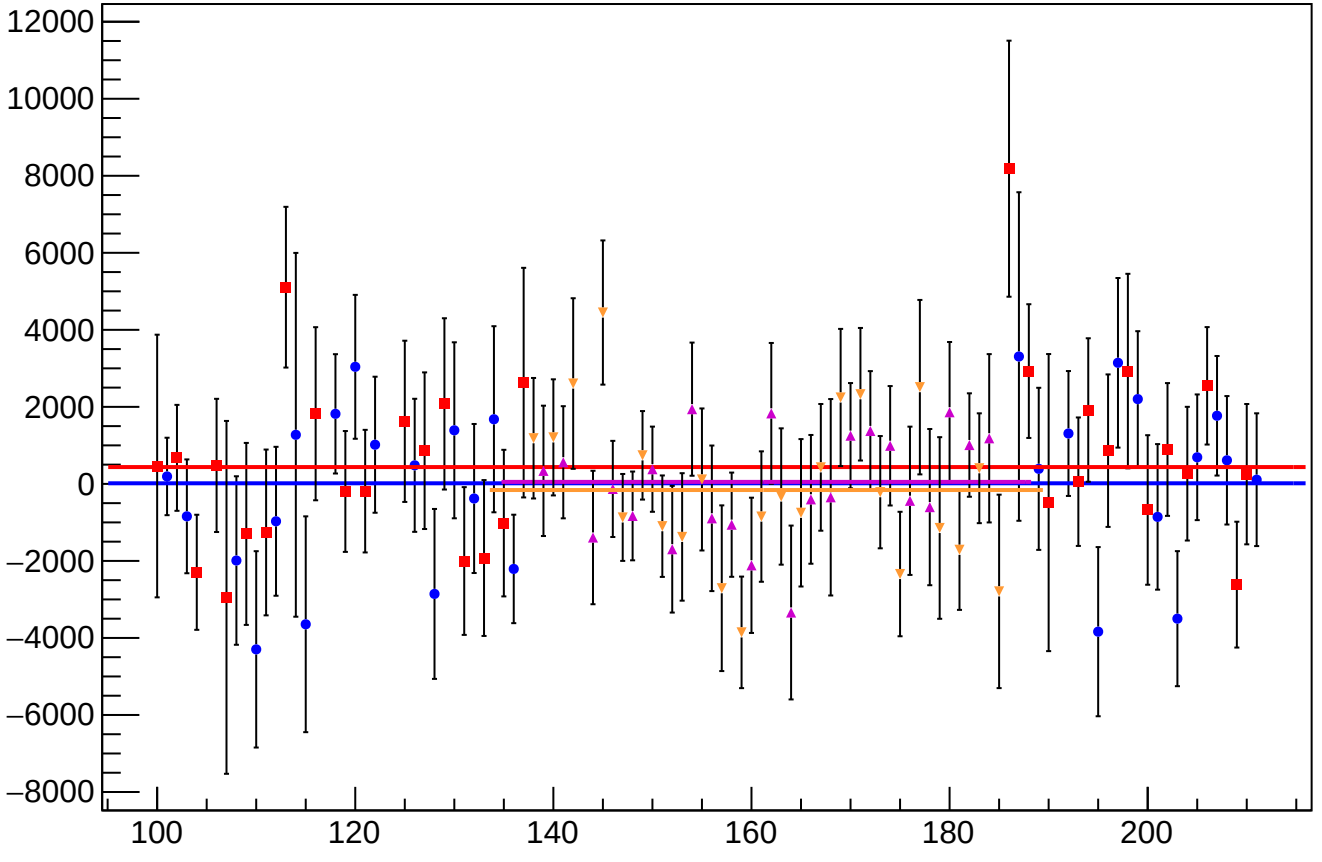
Left In: 784.473+/-0.130 χ^2/NDF:4927.7/22

+ sign 781.931+/-0.093 χ^2/NDF: 25516.4/51

All: 783.417+/-0.066 χ^2/NDF: 57064.7/105

- sign 784.876+/-0.092 χ^2/NDF: 31045.0/53

asym_us_avg_eigen_dit_correction_mean vs Slug



Right In: 15.571+/-344.280 χ^2/NDF: 29.3/27

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

Right Out: 436.730+/-348.492 χ^2/NDF: 30.9/30

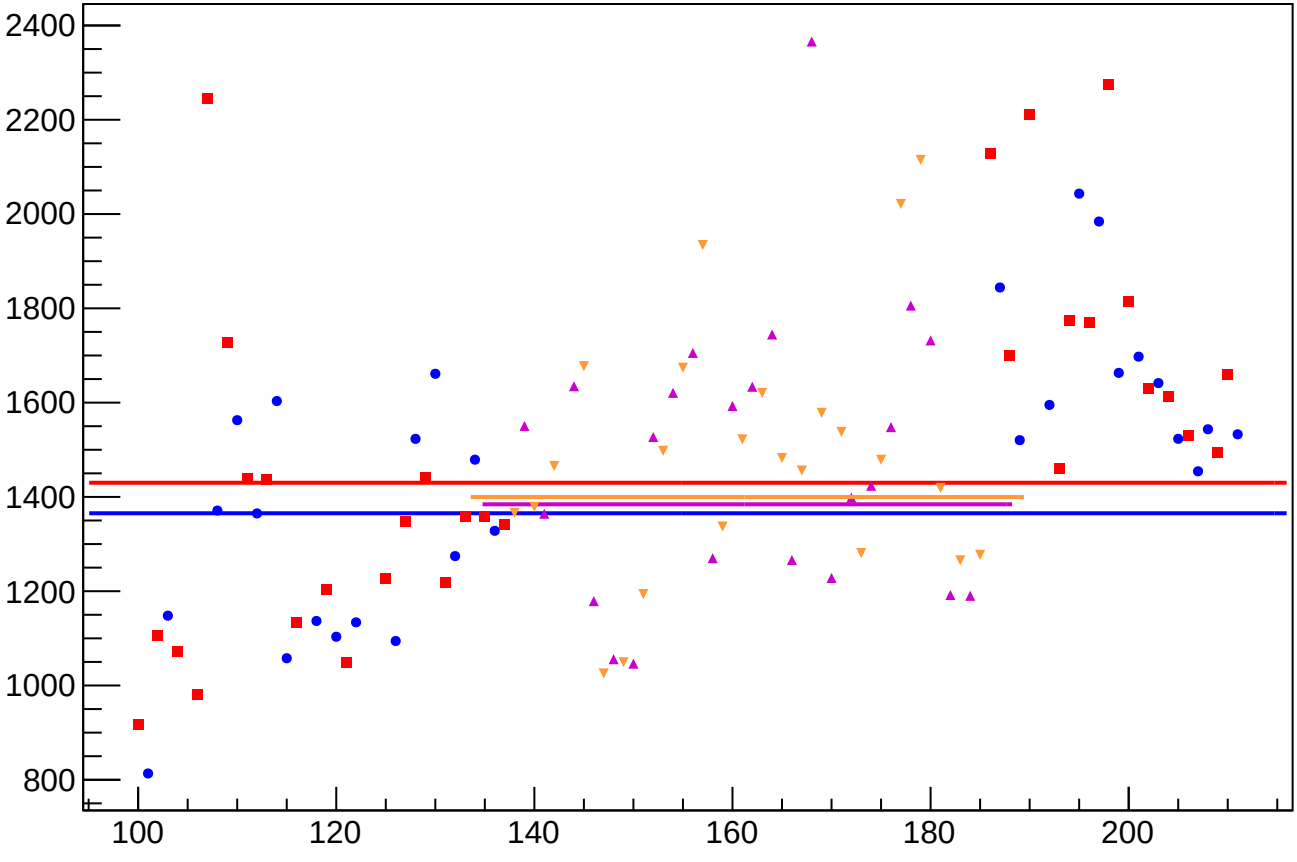
Left In: 51.975+/-330.207 χ^2/NDF:13.4/22

\+ sign -74.977+/-239.054 χ^2/NDF: 58.5/51

All: 79.095+/-169.263 χ^2/NDF: 104.3/105

\- sign 233.994+/-239.695 χ^2/NDF: 44.9/53

asym_us_avg_eigen_dit_correction_rms vs Slug



Right In: 1365.336+/-0.243 χ^2/NDF: 1567663.7/27

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

Right Out: 1430.043+/-0.246 χ^2/NDF: 1487215.4/30

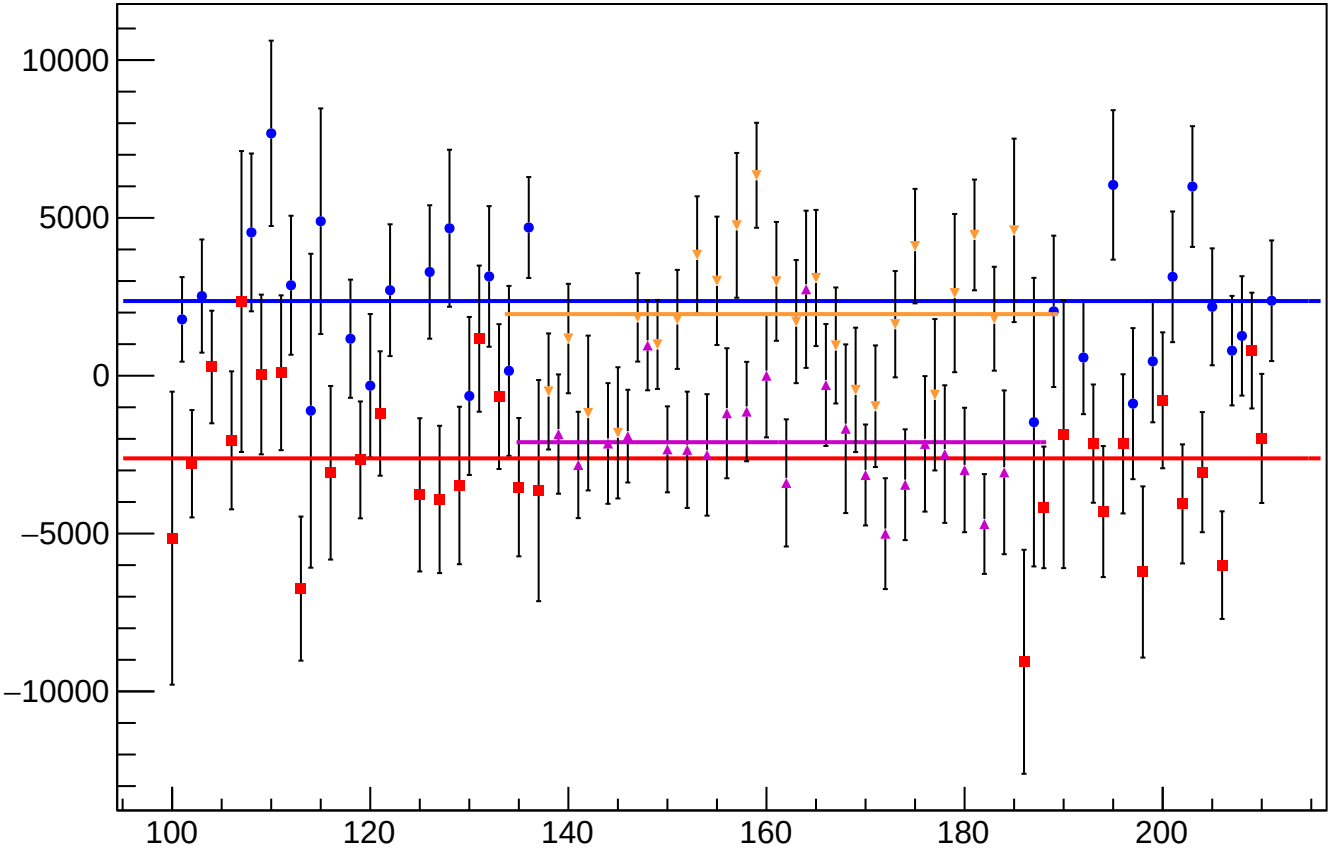
Left In: 1384.336+/-0.233 χ^2/NDF:1269937.1/22

+ sign 1383.142+/-0.169 χ^2/NDF: 2714345.6/51

All: 1394.520+/-0.120 χ^2/NDF: 5498712.1/10

- sign 1405.959+/-0.169 χ^2/NDF: 2775280.8/53

asym_us_avg_mean vs Slug



Right In: 2366.088+/-398.683 χ^2/NDF: 24.4/27

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

Right Out: -2617.460+/-399.880 χ^2/NDF: 29.9/30

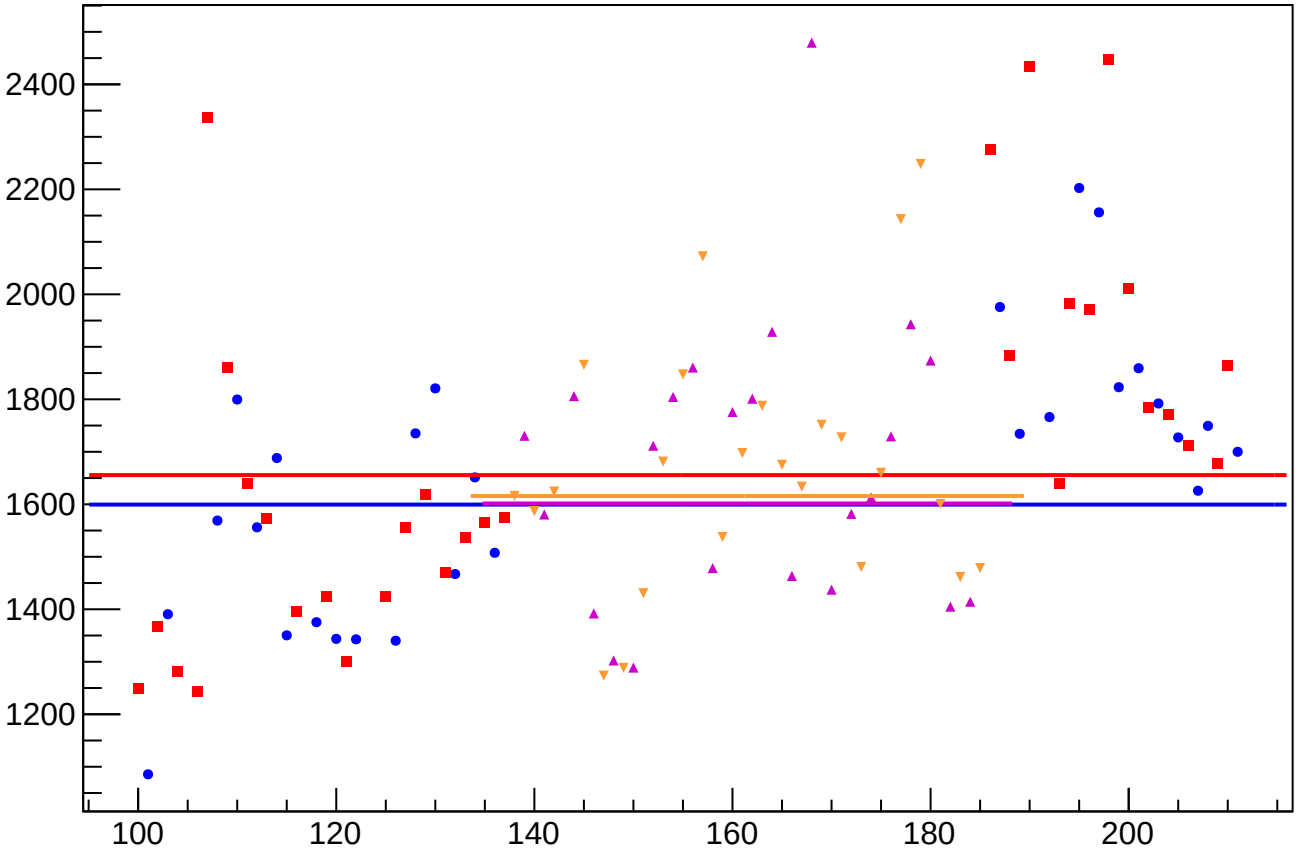
Left In: -2105.415+/-379.051 χ^2/NDF:18.6/22

+ sign 2149.473+/-275.170 χ^2/NDF: 52.3/51

All: -99.729+/-194.549 χ^2/NDF: 235.3/105

- sign -2347.755+/-275.098 χ^2/NDF: 49.4/53

asym_us_avg_rms vs Slug



Right In: 1599.467+/-0.282 χ^2/NDF: 874369.5/27

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

Right Out: 1655.645+/-0.283 χ^2/NDF: 958086.2/30

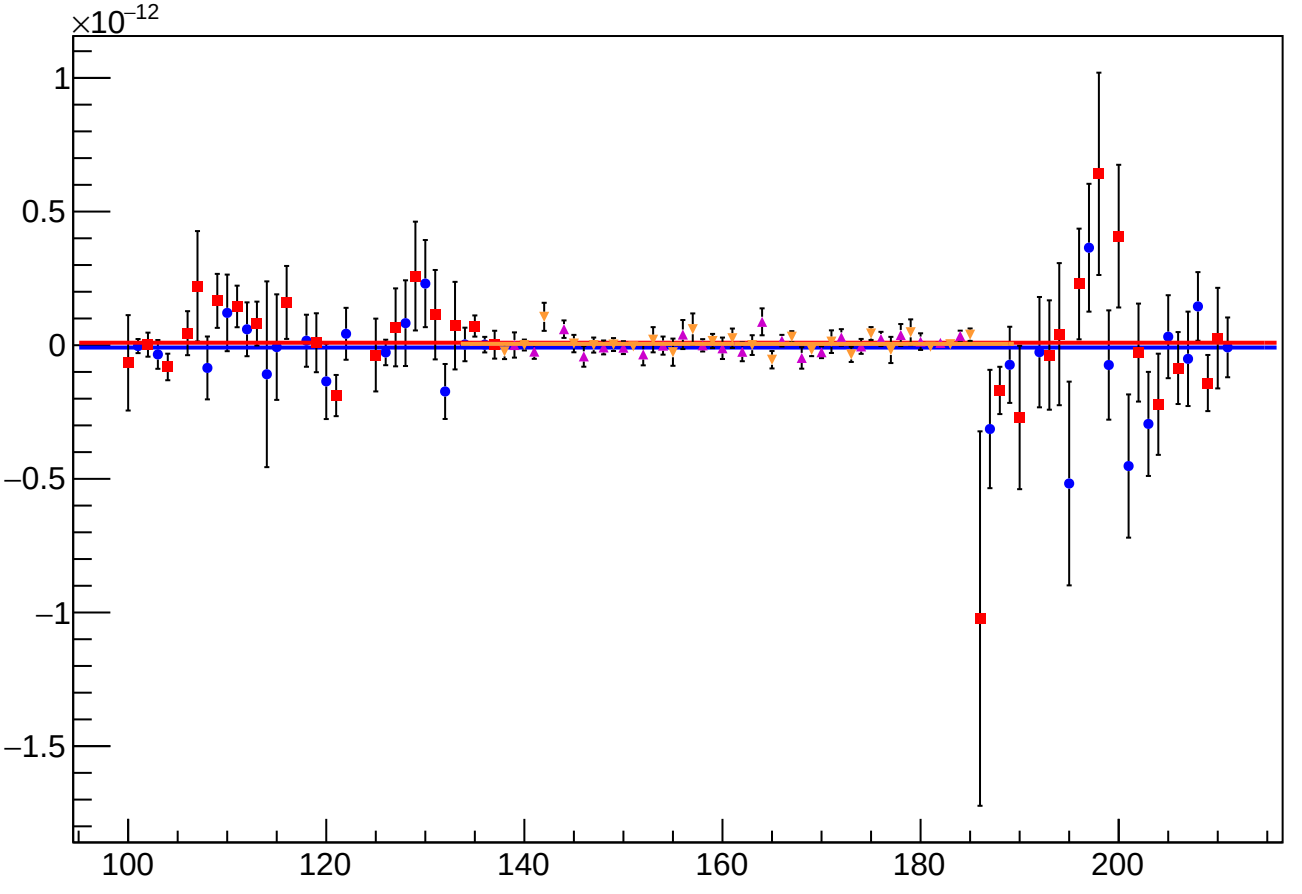
Left In: 1601.496+/-0.268 χ^2/NDF:793722.6/22

+ sign 1608.048+/-0.195 χ^2/NDF: 1570491.8/51

All: 1617.588+/-0.138 χ^2/NDF: 3346424.7/10

- sign 1627.124+/-0.195 χ^2/NDF: 1771125.6/53

asym_us_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 21.4/27

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

Right Out: 0.000+/-0.000 χ^2/NDF: 41.2/30

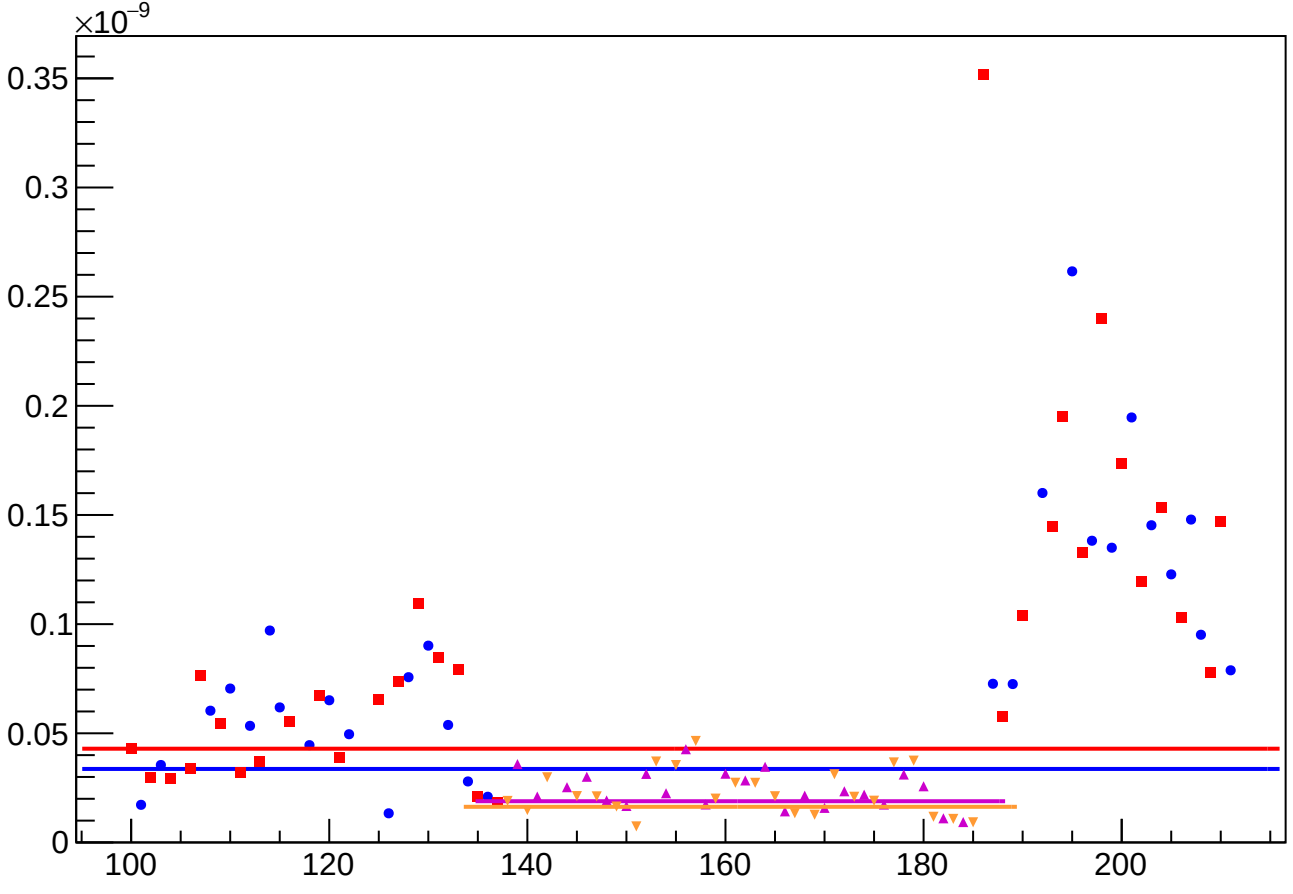
Left In: 0.000+/-0.000 χ^2/NDF:19.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 43.2/51

All: 0.000+/-0.000 χ^2/NDF: 104.0/105

- sign 0.000+/-0.000 χ^2/NDF: 60.7/53

asym_us_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 8802668.9/27

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

Right Out: 0.000+/-0.000 χ^2/NDF: 7586707.6/30

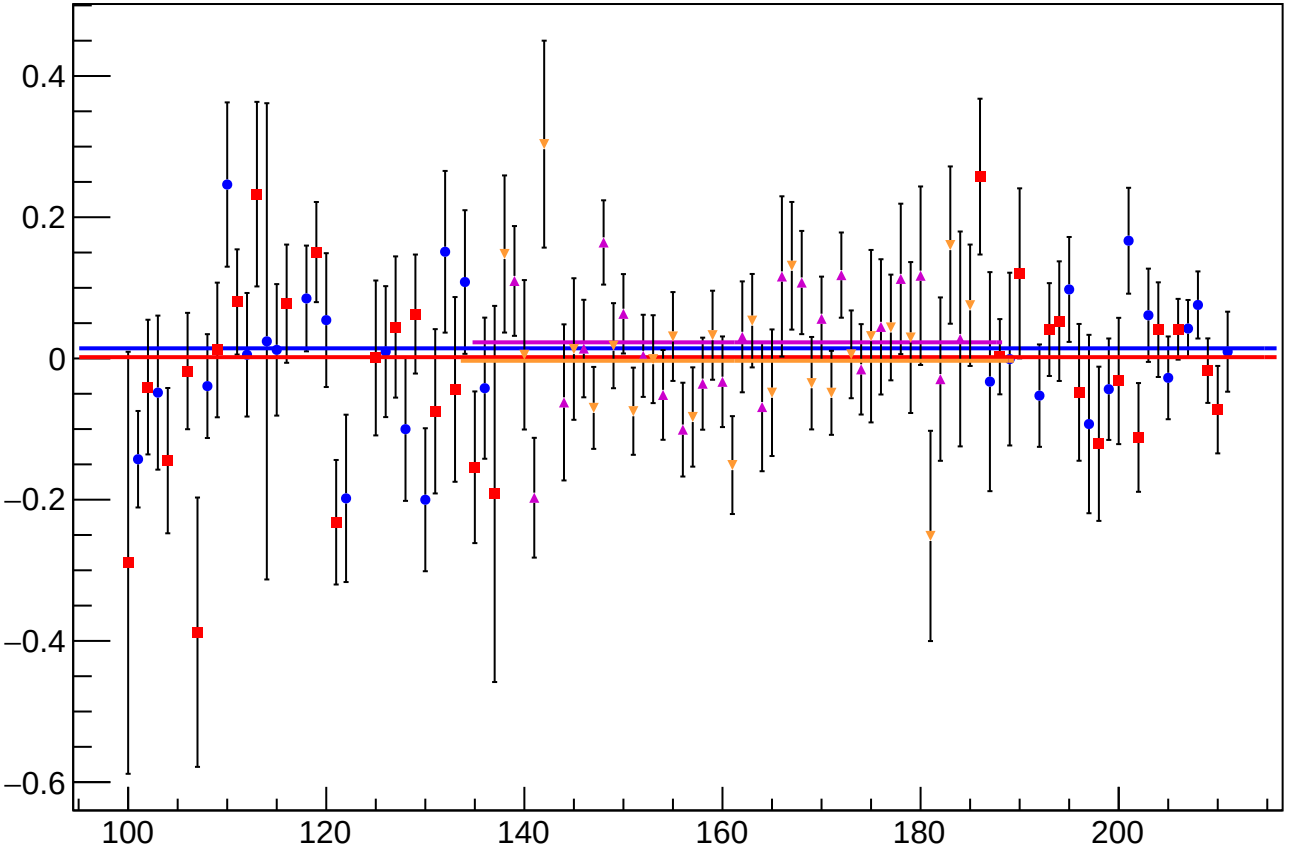
Left In: 0.000+/-0.000 χ^2/NDF:3256130.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 15579687.5/51

All: 0.000+/-0.000 χ^2/NDF: 30363446.6/105

- sign 0.000+/-0.000 χ^2/NDF: 14450014.8/53

asym_us_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.014+/-0.015 χ^2/NDF: 33.7/27

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

Right Out: 0.002+/-0.015 χ^2/NDF: 41.5/30

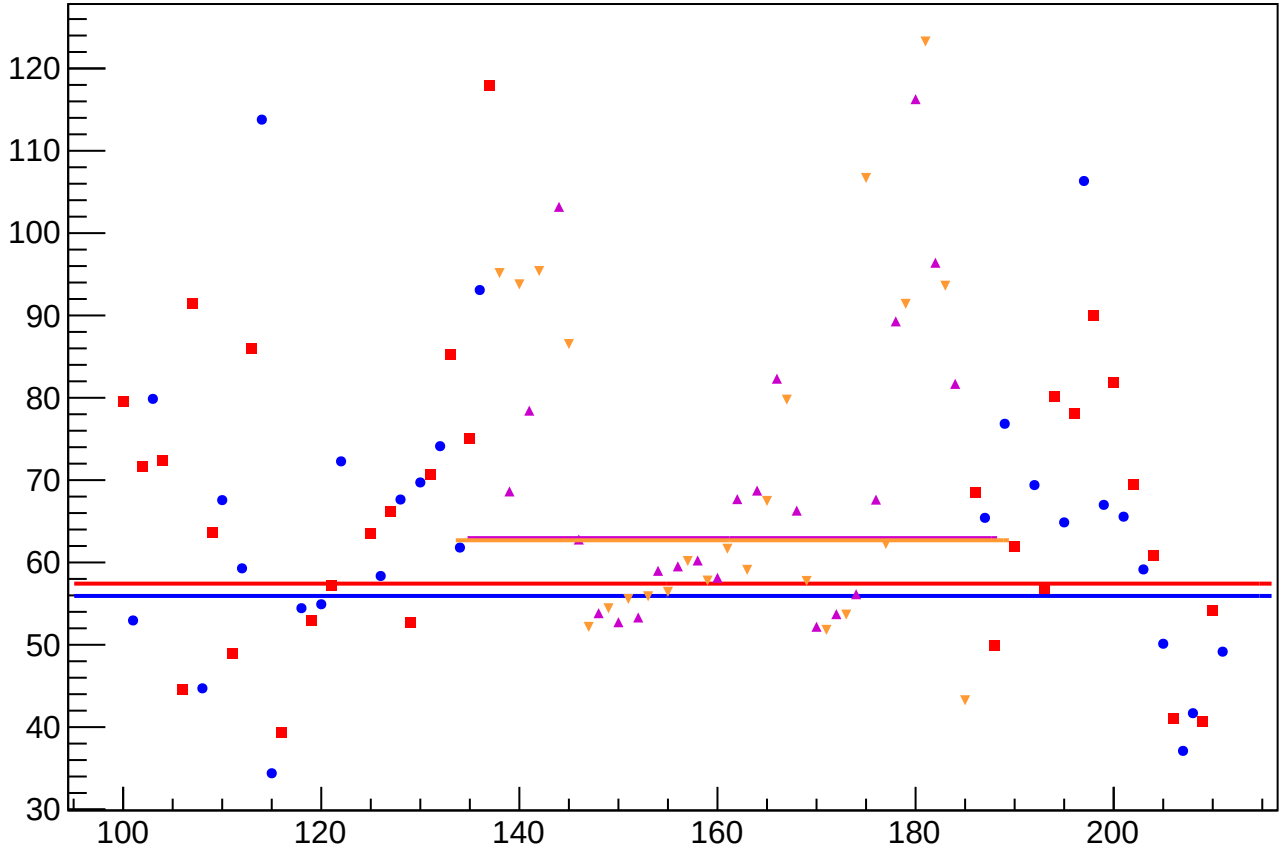
Left In: 0.023+/-0.015 χ^2/NDF:29.0/22

+ sign 0.006+/-0.011 χ^2/NDF: 60.2/51

All: 0.009+/-0.008 χ^2/NDF: 131.8/105

- sign 0.012+/-0.011 χ^2/NDF: 71.4/53

asym_us_avg_dit_vs_cor_diff_rms vs Slug



Right In: 55.932+/-0.010 χ^2/NDF: 1999914.5/27

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

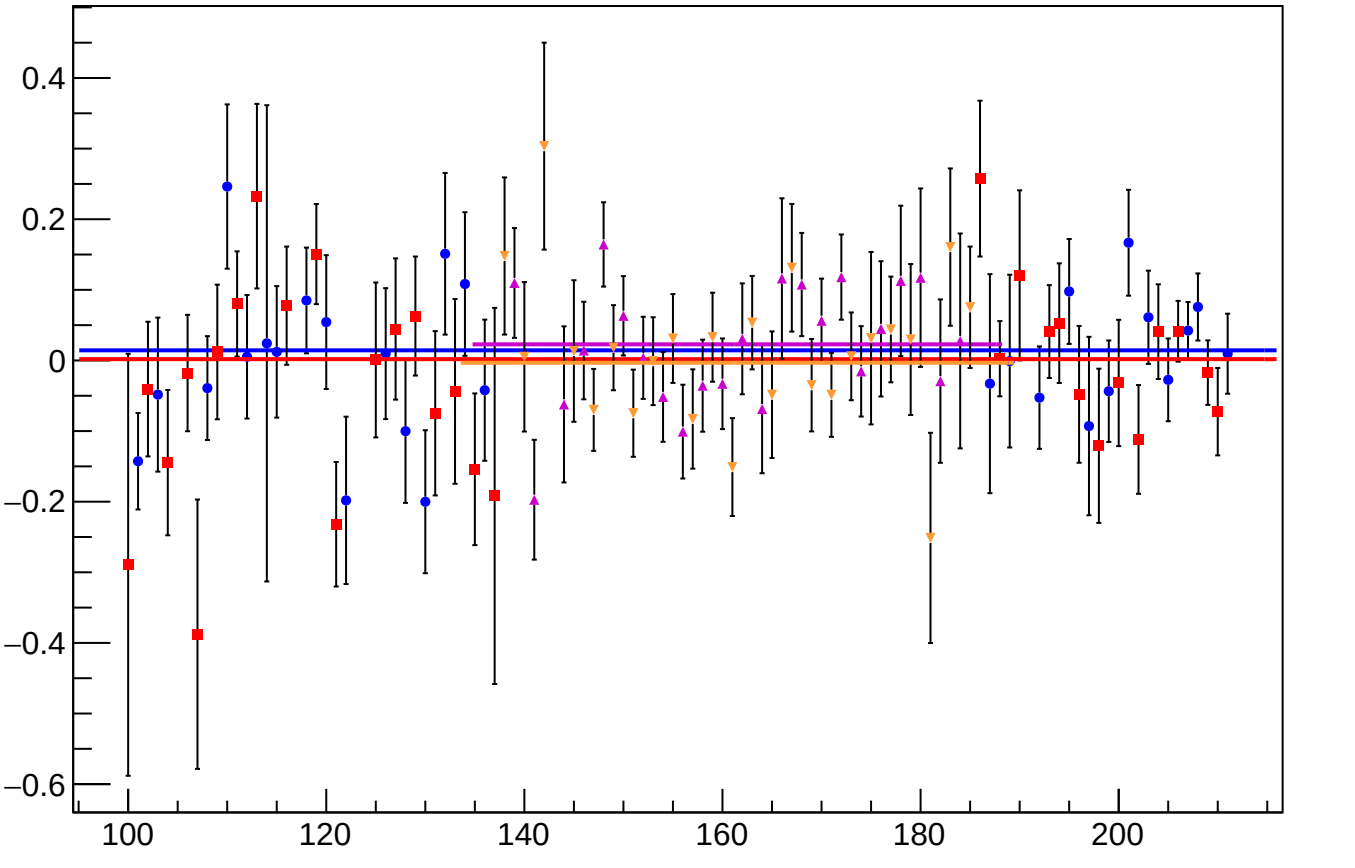
Right Out: 57.428+/-0.010 χ^2/NDF: 1986872.5/30

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

\+ sign 59.163+/-0.008 χ^2/NDF: 4138318.0/51

All: 59.607+/-0.005 χ^2/NDF: 7696397.5/105

\- sign 60.047+/-0.008 χ^2/NDF: 3551236.9/53



Right In: 0.014+/-0.015 χ^2/NDF: 33.7/27

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

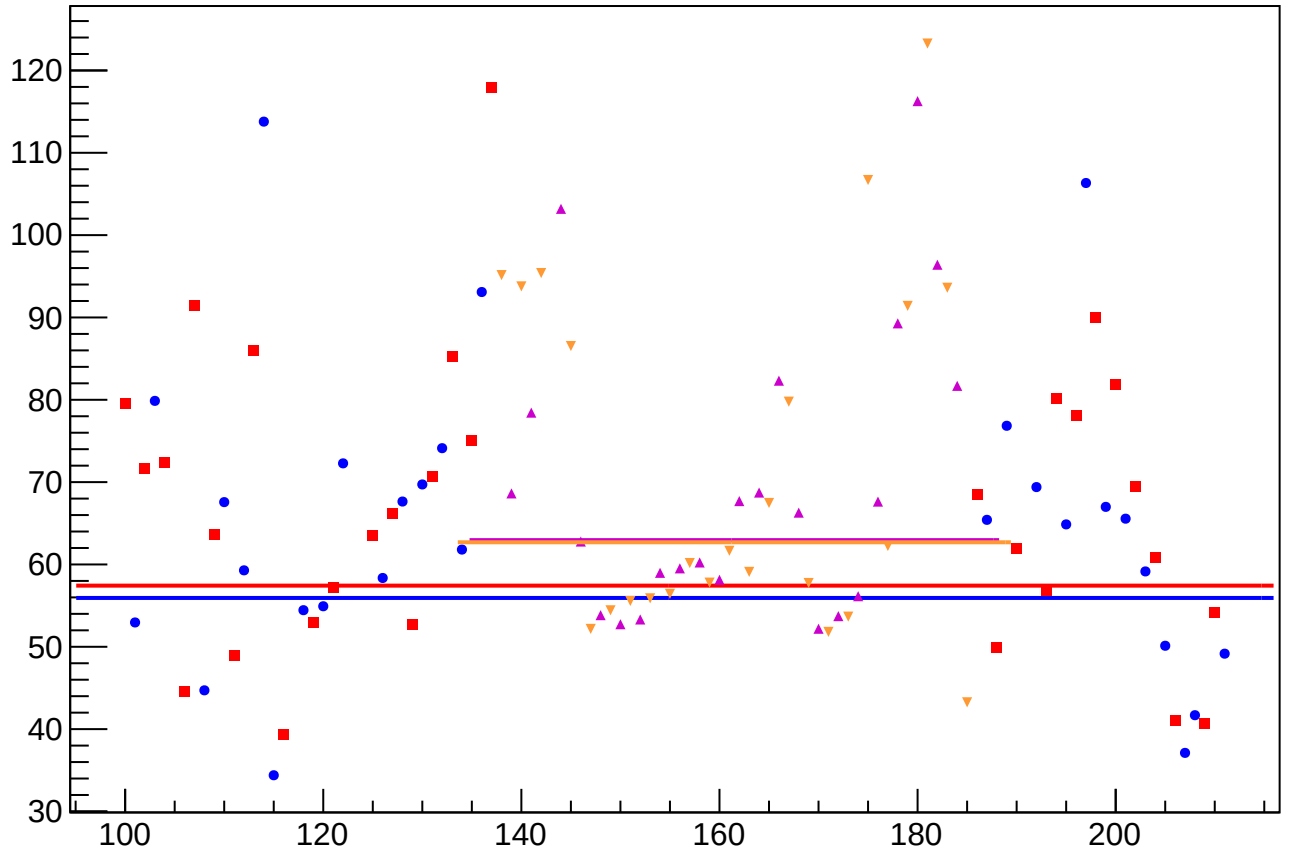
Right Out: 0.002+/-0.015 χ^2/NDF: 41.5/30

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

+ sign 0.006+/-0.011 χ^2/NDF: 60.2/51

All: 0.009+/-0.008 χ^2/NDF: 131.8/105

- sign 0.012+/-0.011 χ^2/NDF: 71.4/53



Right In: 55.932+/-0.010 χ^2/NDF: 1999914.5/27

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

Right Out: 57.428+/-0.010 χ^2/NDF: 1986872.5/30

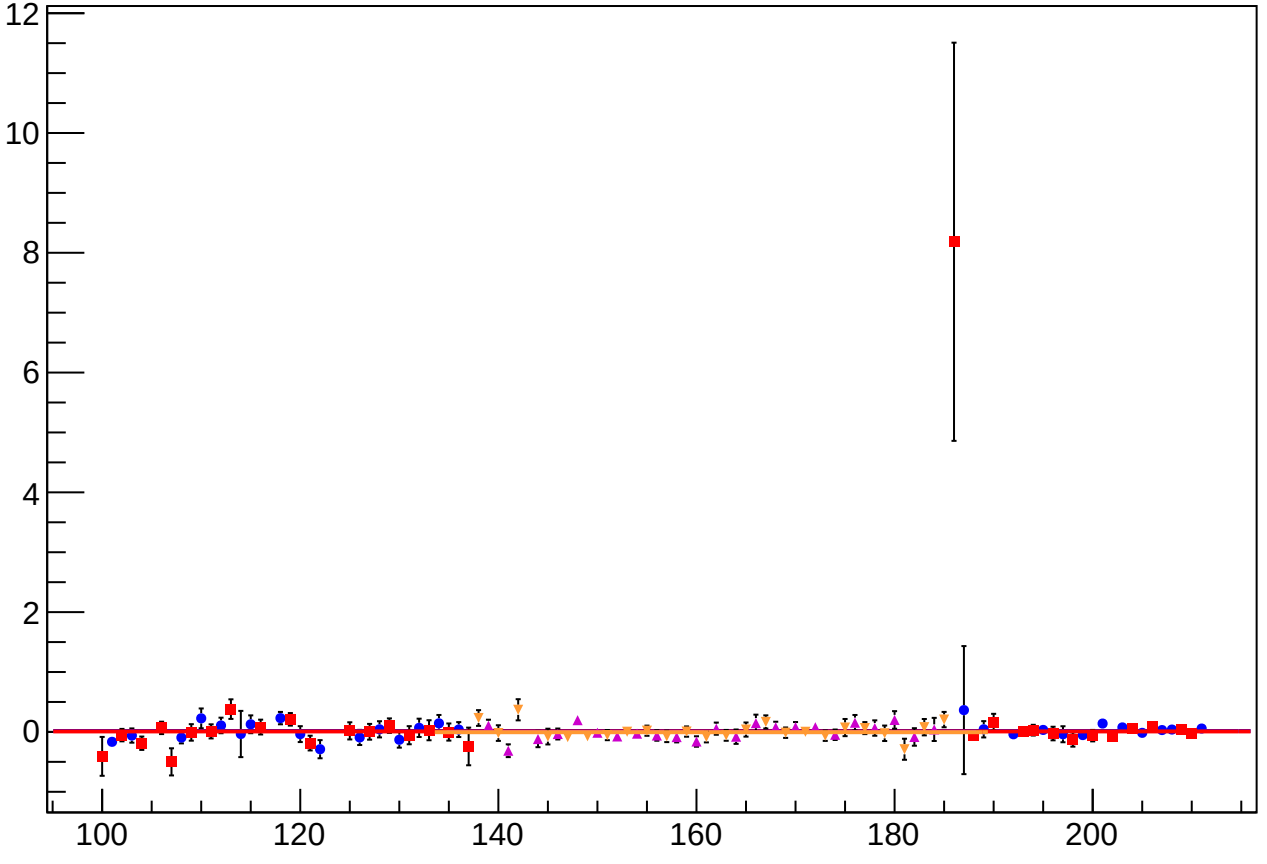
Left In: 62.956+/-0.011 χ^2/NDF:1430426.1/22

+ sign 59.163+/-0.008 χ^2/NDF: 4138318.0/51

All: 59.607+/-0.005 χ^2/NDF: 7696397.5/105

- sign 60.047+/-0.008 χ^2/NDF: 3551236.9/53

asym_us_avg_dit_vs_overload_cor_diff_mean vs Slug



Right In: 0.015+/-0.018 χ^2/NDF: 26.1/27

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

Right Out: 0.008+/-0.019 χ^2/NDF: 38.5/30

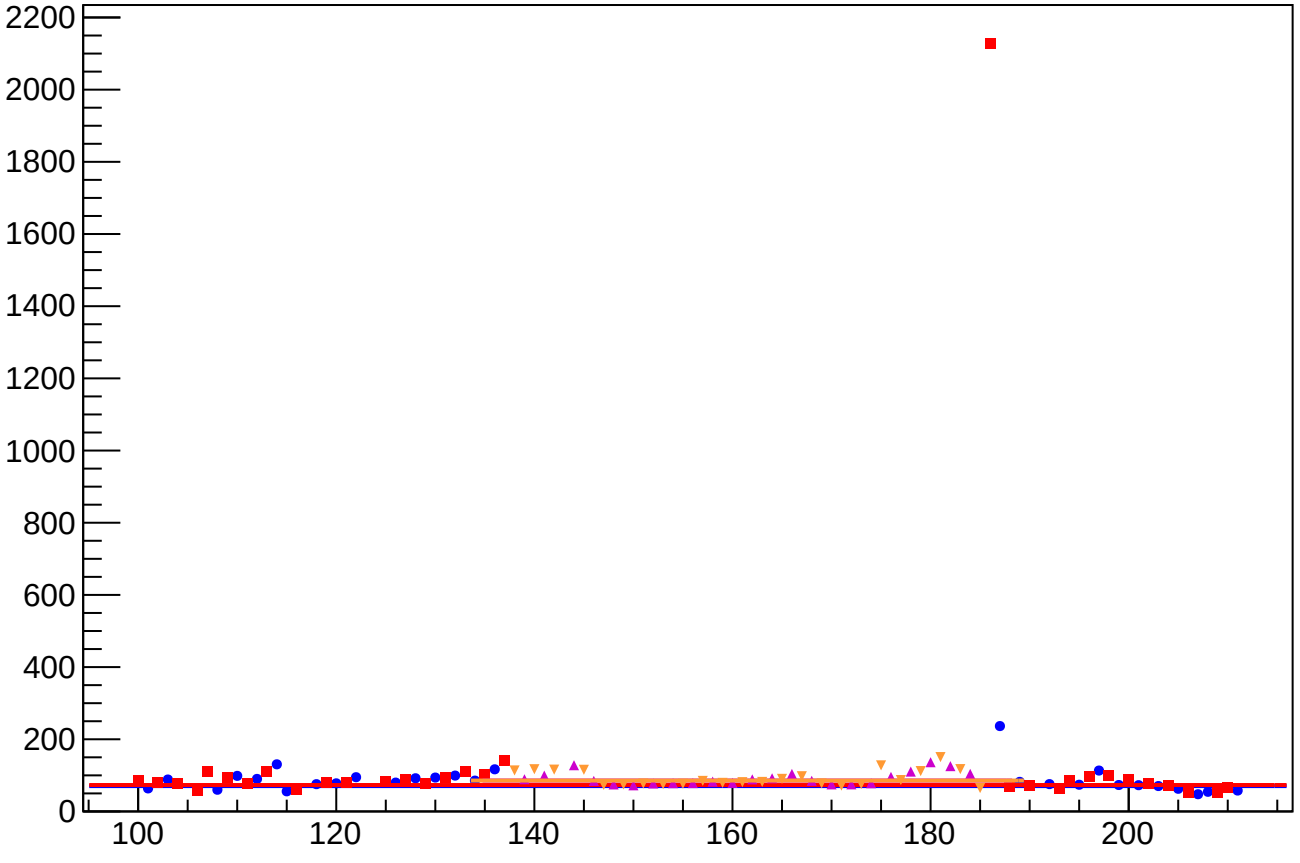
Left In: -0.002+/-0.021 χ^2/NDF:30.5/22

+ sign 0.006+/-0.014 χ^2/NDF: 48.0/51

All: 0.005+/-0.010 χ^2/NDF: 117.1/105

- sign 0.004+/-0.014 χ^2/NDF: 69.1/53

asym_us_avg_dit_vs_overload_cor_diff_rms vs Slug



Right In: 70.272+/-0.013 χ^2/NDF: 1714635.6/27

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

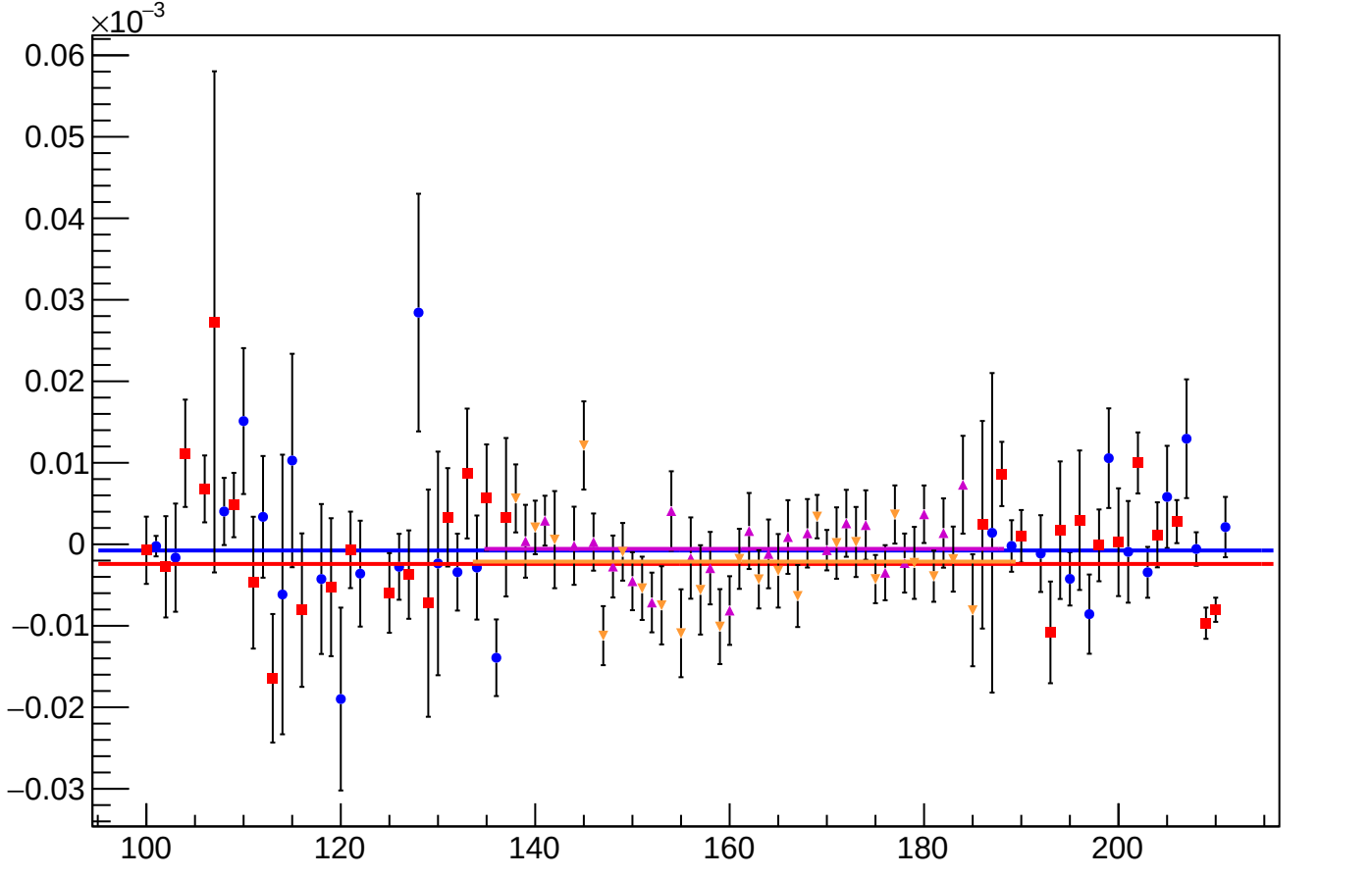
Right Out: 73.247+/-0.013 χ^2/NDF: 2238907.6/30

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

+ sign 77.062+/-0.010 χ^2/NDF: 3684927.6/51

All: 77.923+/-0.007 χ^2/NDF: 7335864.7/105

- sign 78.793+/-0.010 χ^2/NDF: 3635154.7/53



Right In: -0.000+/-0.000 χ^2/NDF: 34.5/27

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

Right Out: -0.000+/-0.000 χ^2/NDF: 79.4/30

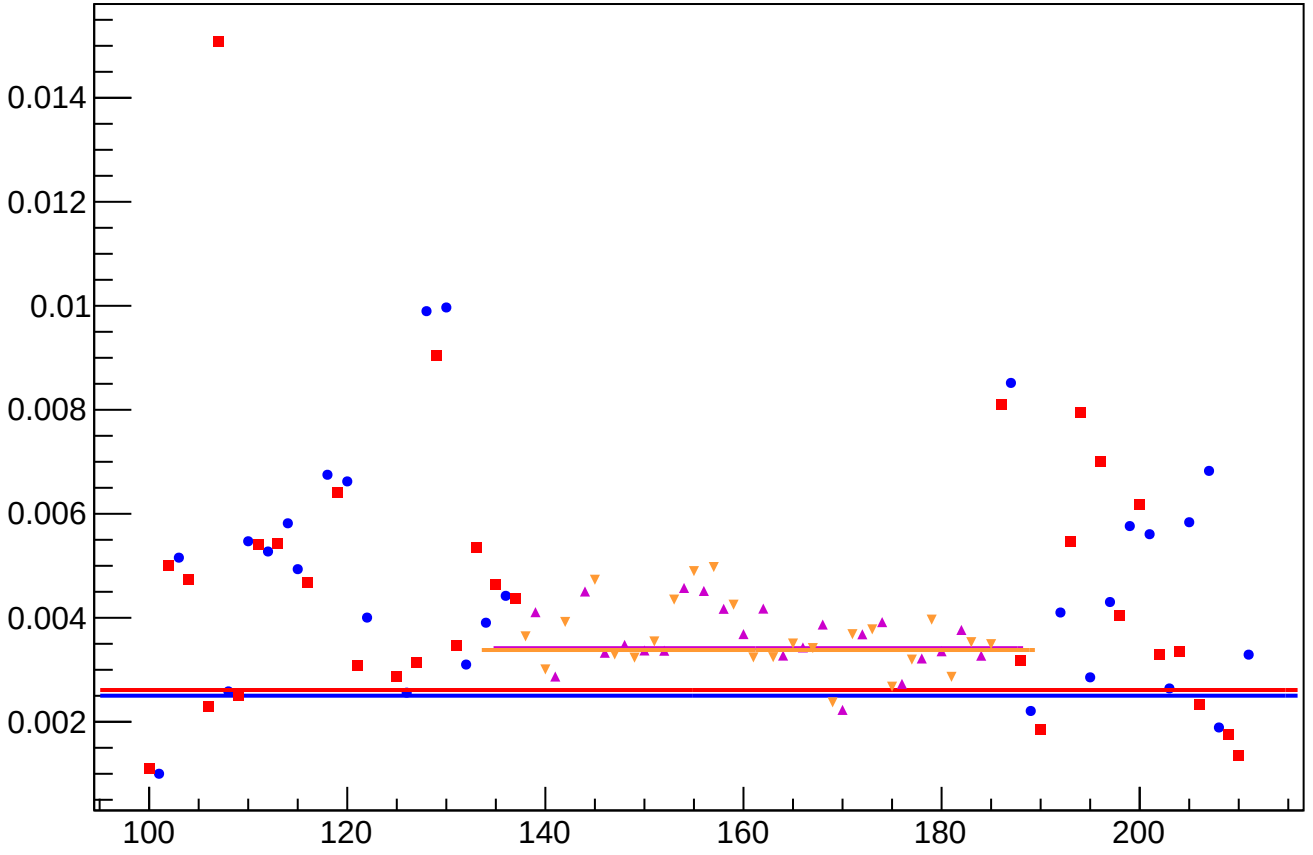
Left In: -0.000+/-0.000 χ^2/NDF:16.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 73.5/51

All: -0.000+/-0.000 χ^2/NDF: 172.3/105

- sign -0.000+/-0.000 χ^2/NDF: 98.8/53

asym_us_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 9528056.5/27

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

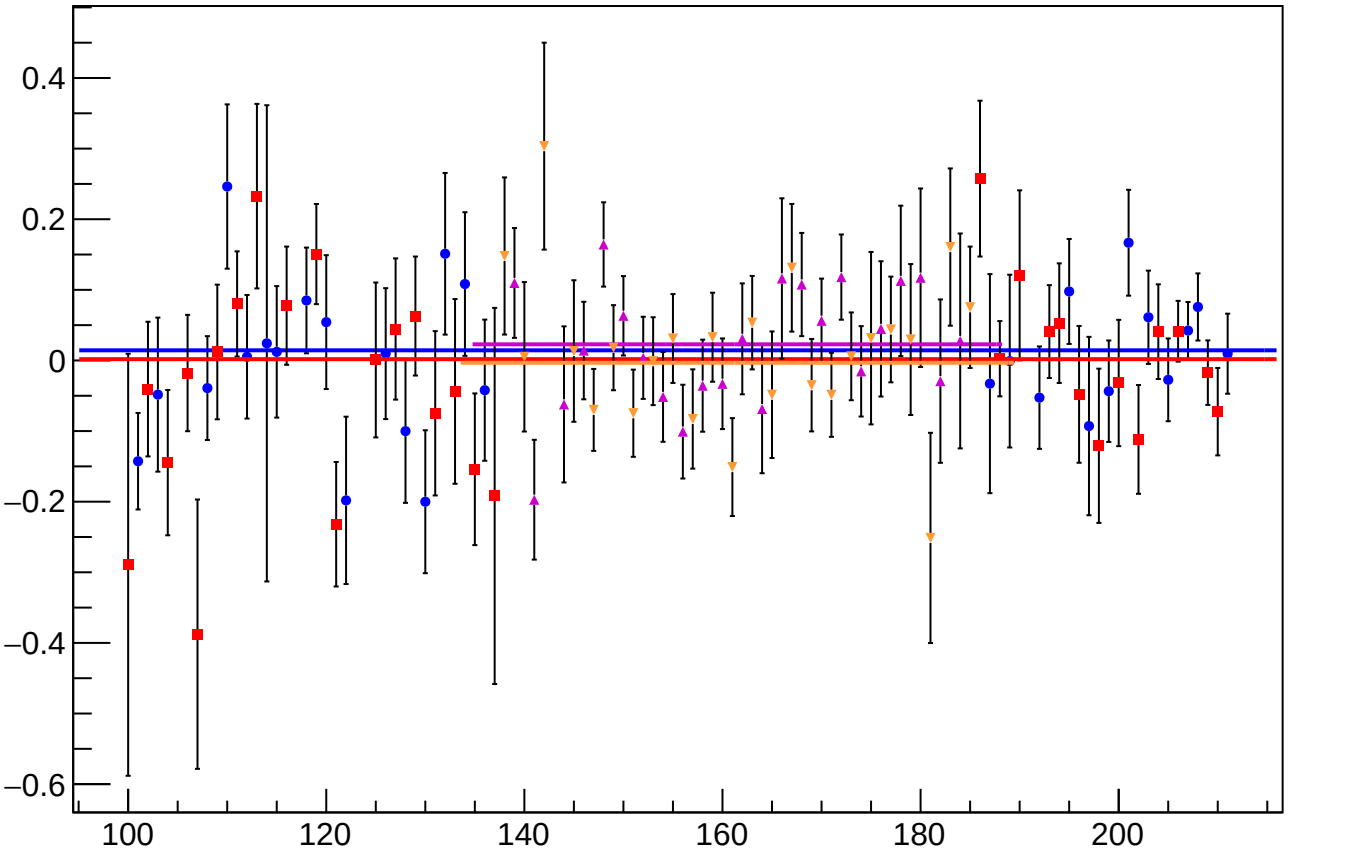
Right Out: 0.003+/-0.000 χ^2/NDF: 8178552.6/30

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

+ sign 0.003+/-0.000 χ^2/NDF: 11997148.3/51

All: 0.003+/-0.000 χ^2/NDF: 22420350.2/105

- sign 0.003+/-0.000 χ^2/NDF: 10407558.2/53



Right In: 0.014+/-0.015 χ^2/NDF: 33.7/27

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

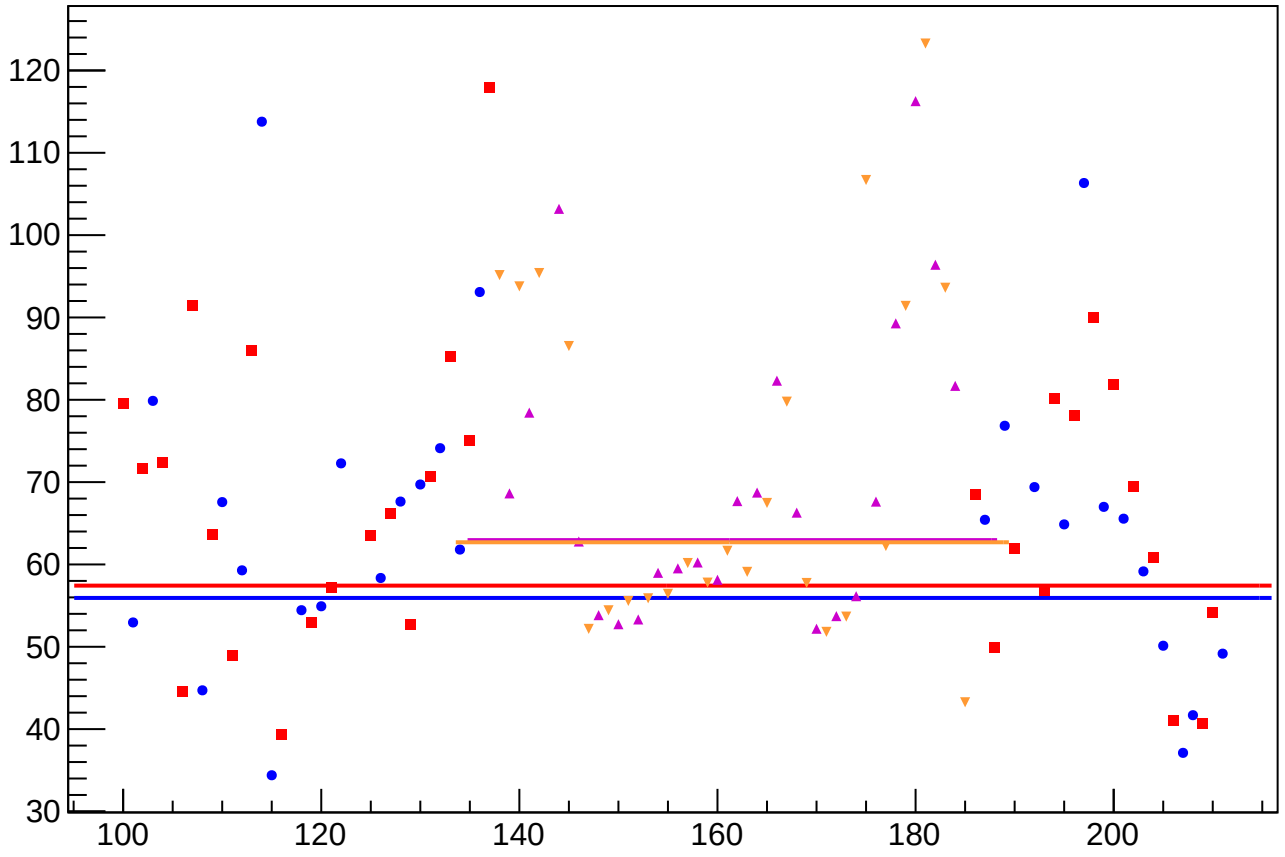
Right Out: 0.002+/-0.015 χ^2/NDF: 41.5/30

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

+ sign 0.006+/-0.011 χ^2/NDF: 60.2/51

All: 0.009+/-0.008 χ^2/NDF: 131.8/105

- sign 0.012+/-0.011 χ^2/NDF: 71.4/53



Right In: 55.933+/-0.010 χ^2/NDF: 1999761.5/27

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

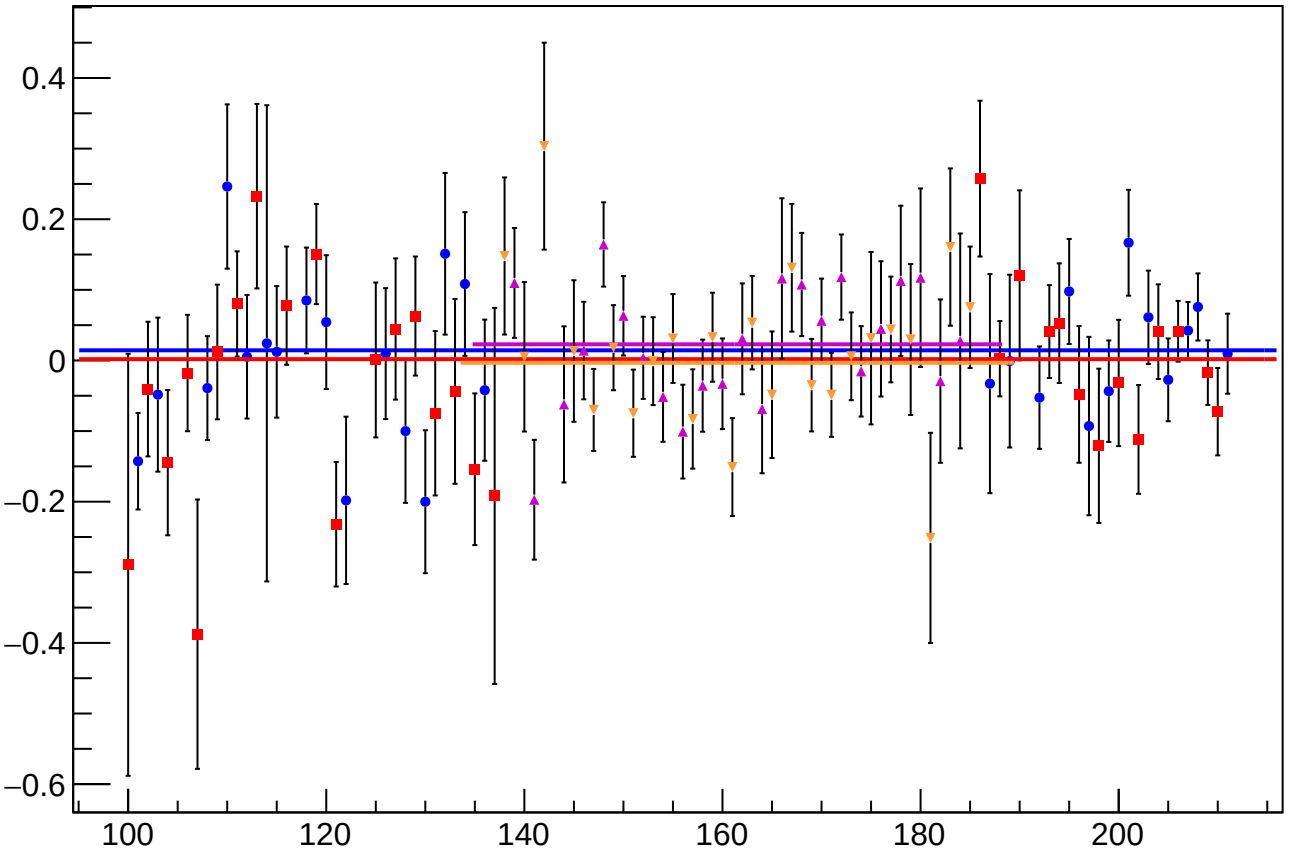
Right Out: 57.428+/-0.010 χ^2/NDF: 1986698.1/30

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

+ sign 59.164+/-0.008 χ^2/NDF: 4138155.0/51

All: 59.607+/-0.005 χ^2/NDF: 7696060.0/105

- sign 60.047+/-0.008 χ^2/NDF: 3551068.0/53



Right In: 0.014+/-0.015 χ^2/NDF: 33.7/27

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

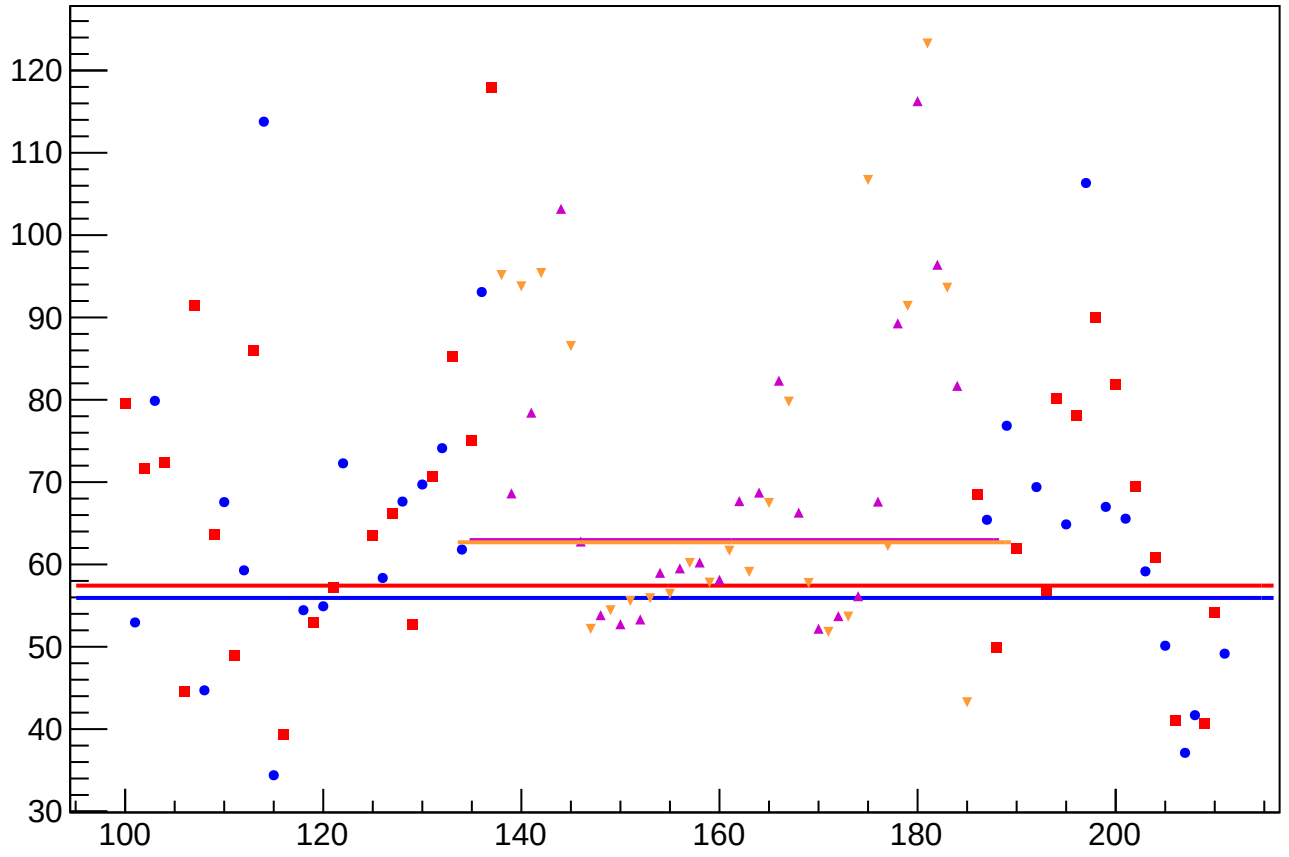
Right Out: 0.002+/-0.015 χ^2/NDF: 41.5/30

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

+ sign 0.006+/-0.011 χ^2/NDF: 60.2/51

All: 0.009+/-0.008 χ^2/NDF: 131.8/105

- sign 0.012+/-0.011 χ^2/NDF: 71.4/53



Right In: 55.933+/-0.010 χ^2/NDF: 1999761.5/27

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

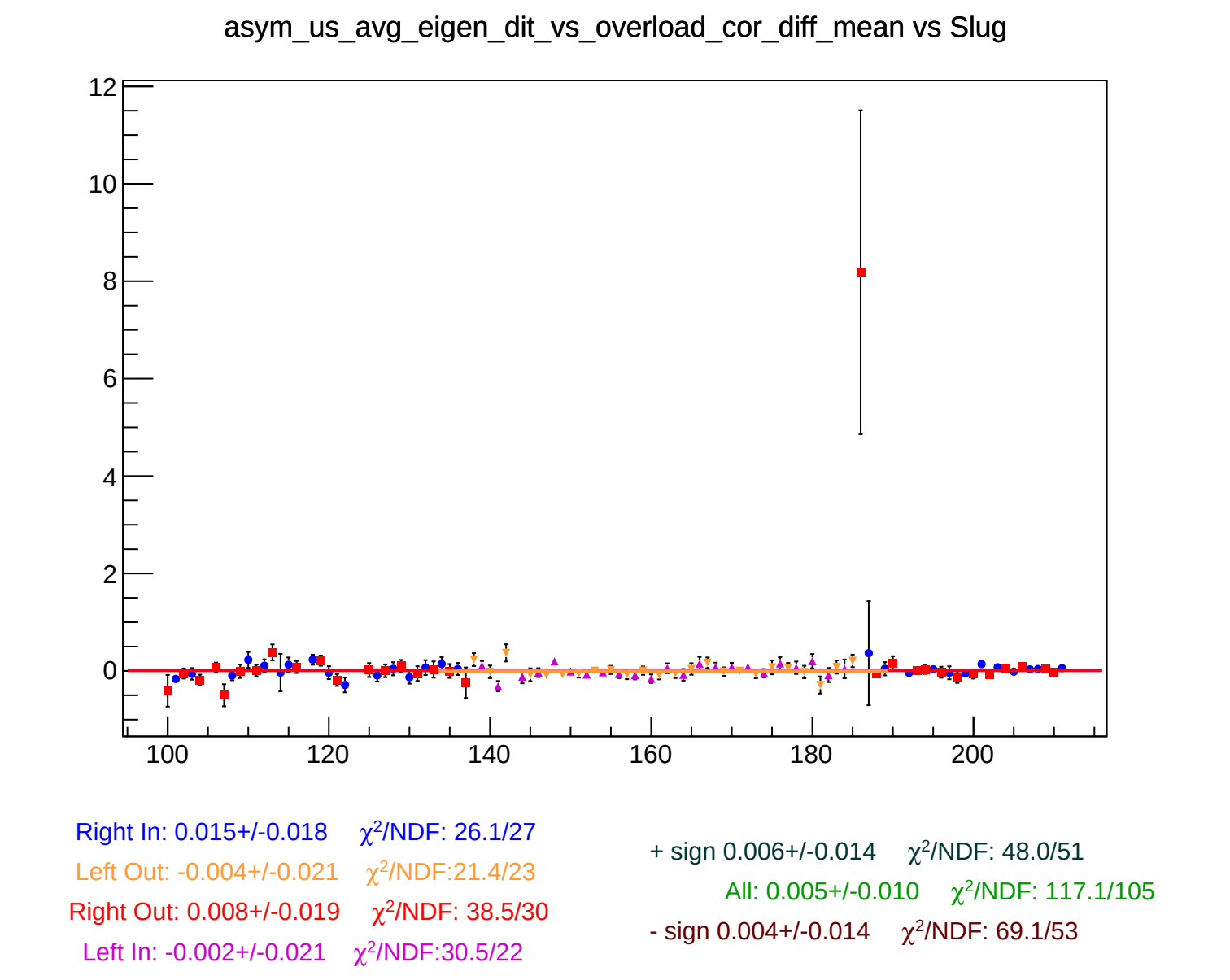
Right Out: 57.428+/-0.010 χ^2/NDF: 1986698.1/30

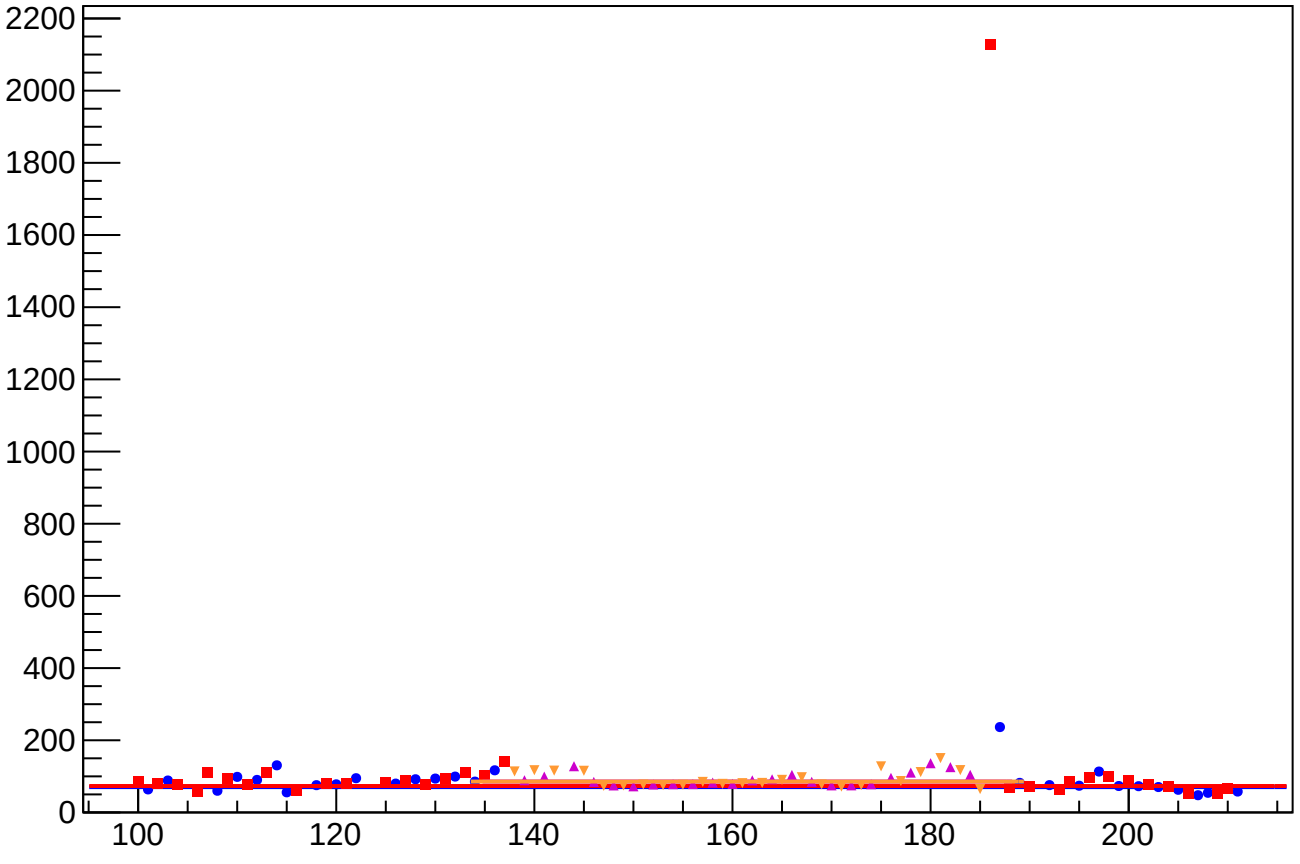
Left In: 62.956+/-0.011 χ^2/NDF:1430401.4/22

+ sign 59.164+/-0.008 χ^2/NDF: 4138155.0/51

All: 59.607+/-0.005 χ^2/NDF: 7696060.0/105

- sign 60.047+/-0.008 χ^2/NDF: 3551068.0/53


asym_us_avg_eigen_dit_vs_overload_cor_diff_mean vs Slug
12
10
8
6
4
2
0
100
120
140
160
180
200
Right In: 0.015+/-0.018 χ²/NDF: 26.1/27
Left Out: -0.004+/-0.021 χ²/NDF:21.4/23
Right Out: 0.008+/-0.019 χ²/NDF: 38.5/30
Left In: -0.002+/-0.021 χ²/NDF:30.5/22
+ sign 0.006+/-0.014 χ²/NDF: 48.0/51
All: 0.005+/-0.010 χ²/NDF: 117.1/105
- sign 0.004+/-0.014 χ²/NDF: 69.1/53



Right In: 70.272+/-0.013 χ^2/NDF: 1714495.7/27

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

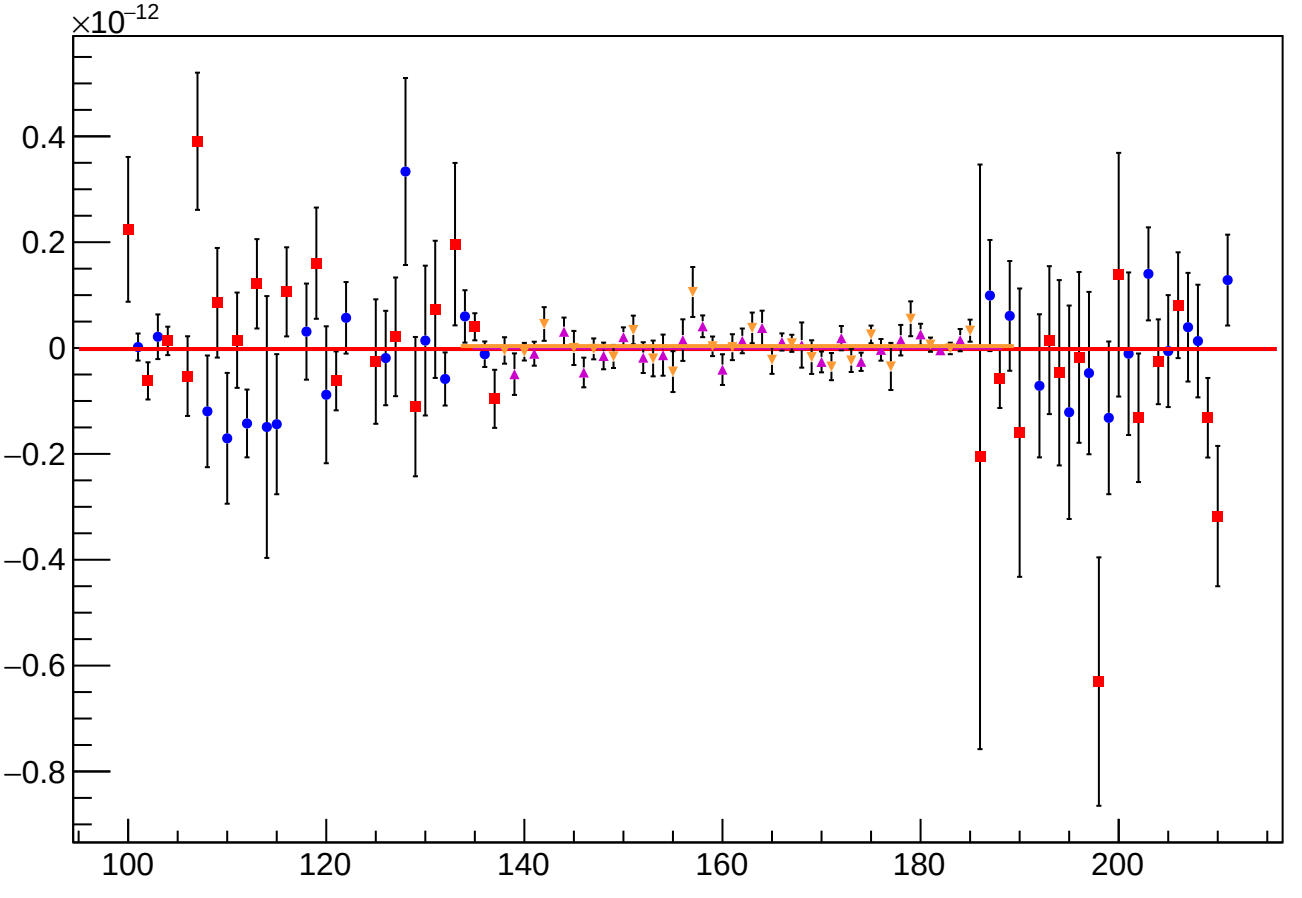
Right Out: 73.247+/-0.013 χ^2/NDF: 2238804.8/30

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

+ sign 77.063+/-0.010 χ^2/NDF: 3684773.6/51

All: 77.923+/-0.007 χ^2/NDF: 7335617.2/105

- sign 78.793+/-0.010 χ^2/NDF: 3635067.1/53



Right In: -0.000+/-0.000 χ^2/NDF: 25.6/27

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

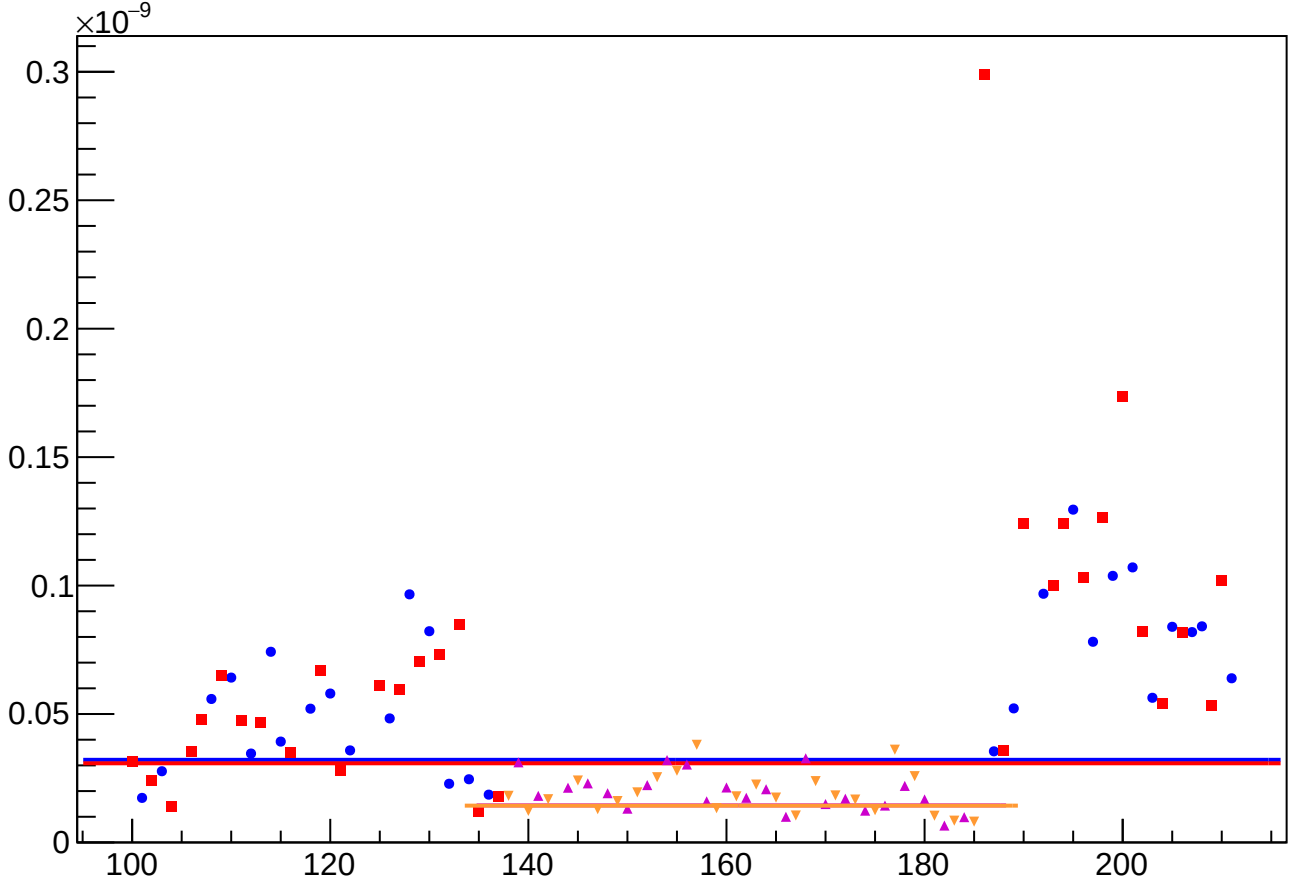
Right Out: -0.000+/-0.000 χ^2/NDF: 51.8/30

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

+ sign 0.000+/-0.000 χ^2/NDF: 50.8/51

All: 0.000+/-0.000 χ^2/NDF: 126.5/105

- sign 0.000+/-0.000 χ^2/NDF: 75.5/53



Right In: 0.000+/-0.000 χ^2/NDF: 6505682.3/27

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

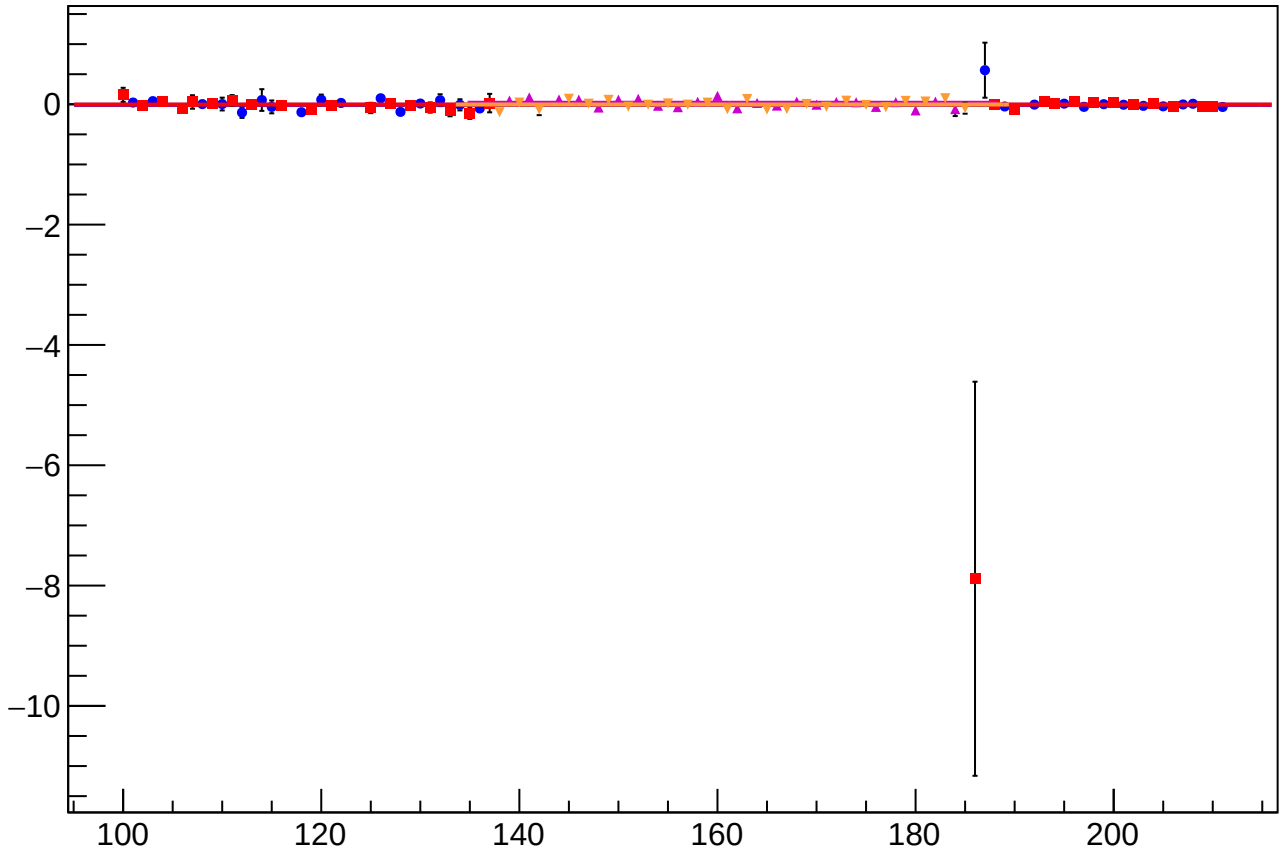
Right Out: 0.000+/-0.000 χ^2/NDF: 8679845.3/30

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

+ sign 0.000+/-0.000 χ^2/NDF: 13860036.0/51

All: 0.000+/-0.000 χ^2/NDF: 29950139.1/105

- sign 0.000+/-0.000 χ^2/NDF: 16090033.9/53



Right In: -0.009+/-0.008 χ^2/NDF: 22.5/27

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

Right Out: -0.004+/-0.008 χ^2/NDF: 34.7/30

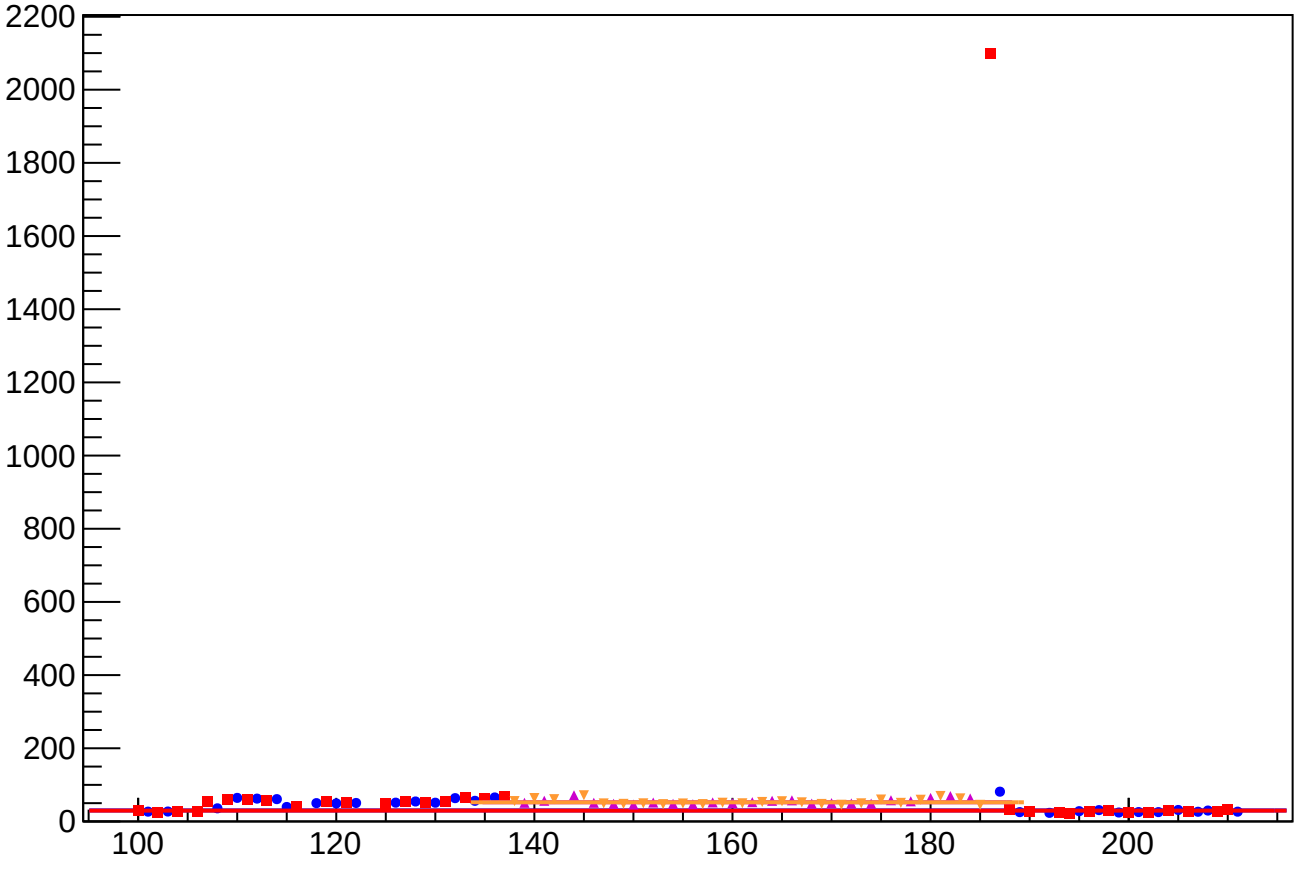
Left In: 0.025+/-0.013 χ^2/NDF:24.3/22

+ sign -0.007+/-0.007 χ^2/NDF: 45.7/51

All: -0.002+/-0.005 χ^2/NDF: 110.3/105

- sign 0.004+/-0.007 χ^2/NDF: 63.1/53

asym_us_avg_overload_cor_vs_cor_diff_rms vs Slug



Right In: 30.156+/-0.006 χ^2/NDF: 2863422.9/27

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

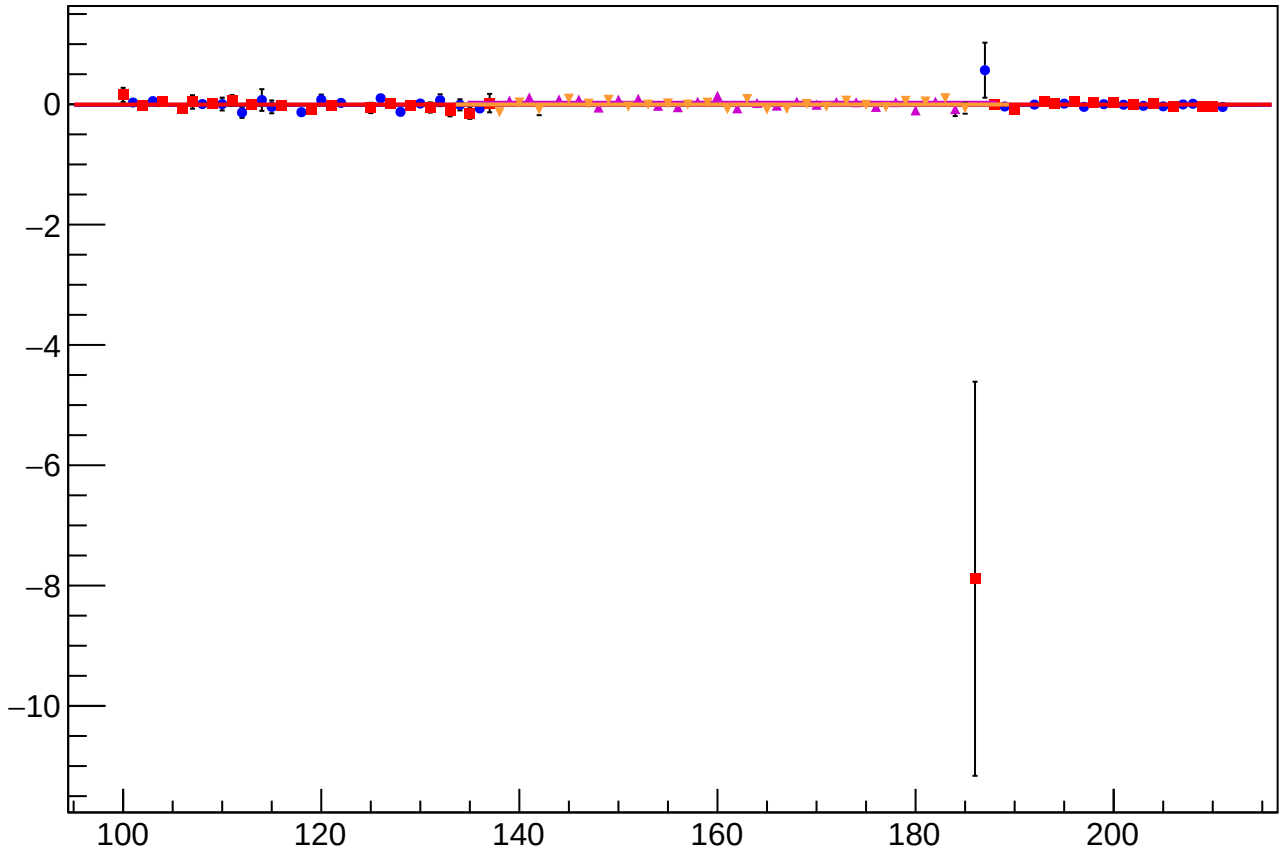
Right Out: 29.640+/-0.005 χ^2/NDF: 3846083.6/30

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

+ sign 36.702+/-0.005 χ^2/NDF: 7895357.2/51

All: 36.318+/-0.003 χ^2/NDF: 17023836.8/105

- sign 35.953+/-0.005 χ^2/NDF: 9115839.1/53



Right In: -0.009+/-0.008 χ^2/NDF: 22.5/27

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

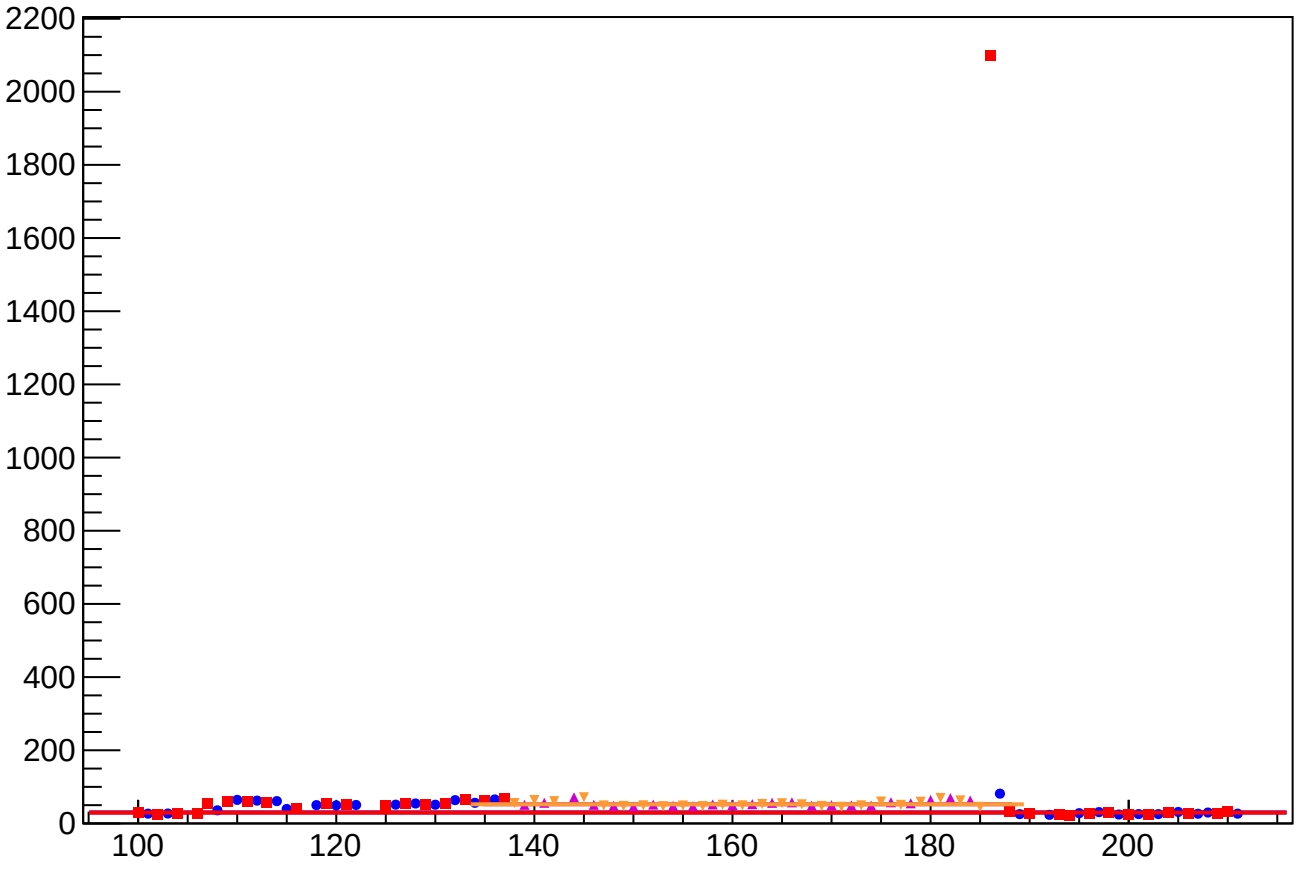
Right Out: -0.004+/-0.008 χ^2/NDF: 34.7/30

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

+ sign -0.007+/-0.007 χ^2/NDF: 45.7/51

All: -0.002+/-0.005 χ^2/NDF: 110.3/105

- sign 0.004+/-0.007 χ^2/NDF: 63.1/53



Right In: 30.156+/-0.006 χ^2/NDF: 2863422.9/27

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

Right Out: 29.640+/-0.005 χ^2/NDF: 3846083.6/30

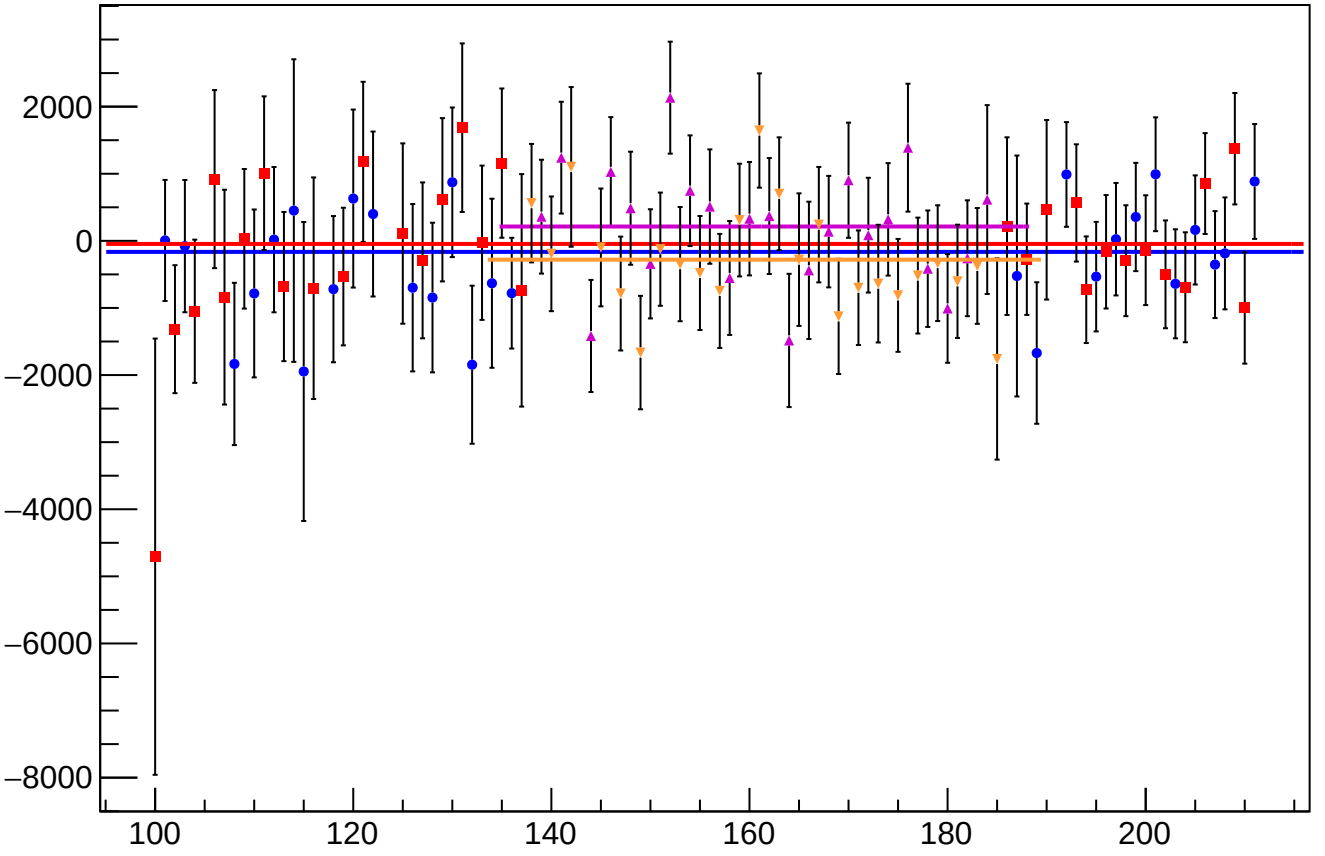
Left In: 52.484+/-0.009 χ^2/NDF:445297.7/22

+ sign 36.702+/-0.005 χ^2/NDF: 7895357.2/51

All: 36.318+/-0.003 χ^2/NDF: 17023836.8/105

- sign 35.953+/-0.005 χ^2/NDF: 9115839.1/53

reg_asym_us_dd_mean vs Slug



Right In: -164.543+/-188.693 χ^2/NDF: 16.8/27

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

Right Out: -46.094+/-183.820 χ^2/NDF: 19.9/30

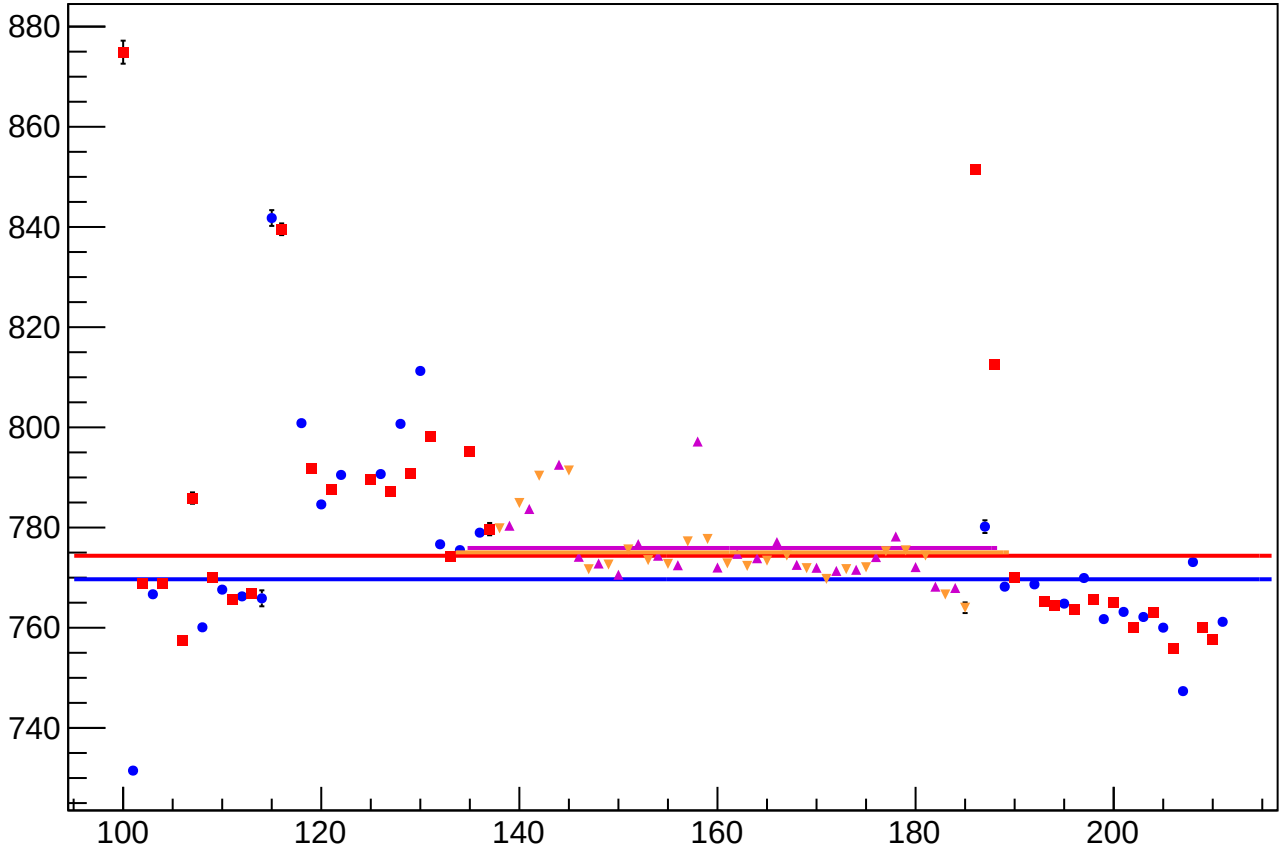
Left In: 213.425+/-181.168 χ^2/NDF:22.4/22

+ sign -225.221+/-130.199 χ^2/NDF: 33.1/51

All: -68.437+/-91.649 χ^2/NDF: 79.2/105

- sign 85.551+/-129.033 χ^2/NDF: 43.3/53

reg_asym_us_dd_rms vs Slug



Right In: 769.677+/-0.133 χ^2/NDF: 16301.7/27

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

Right Out: 774.369+/-0.130 χ^2/NDF: 24992.0/30

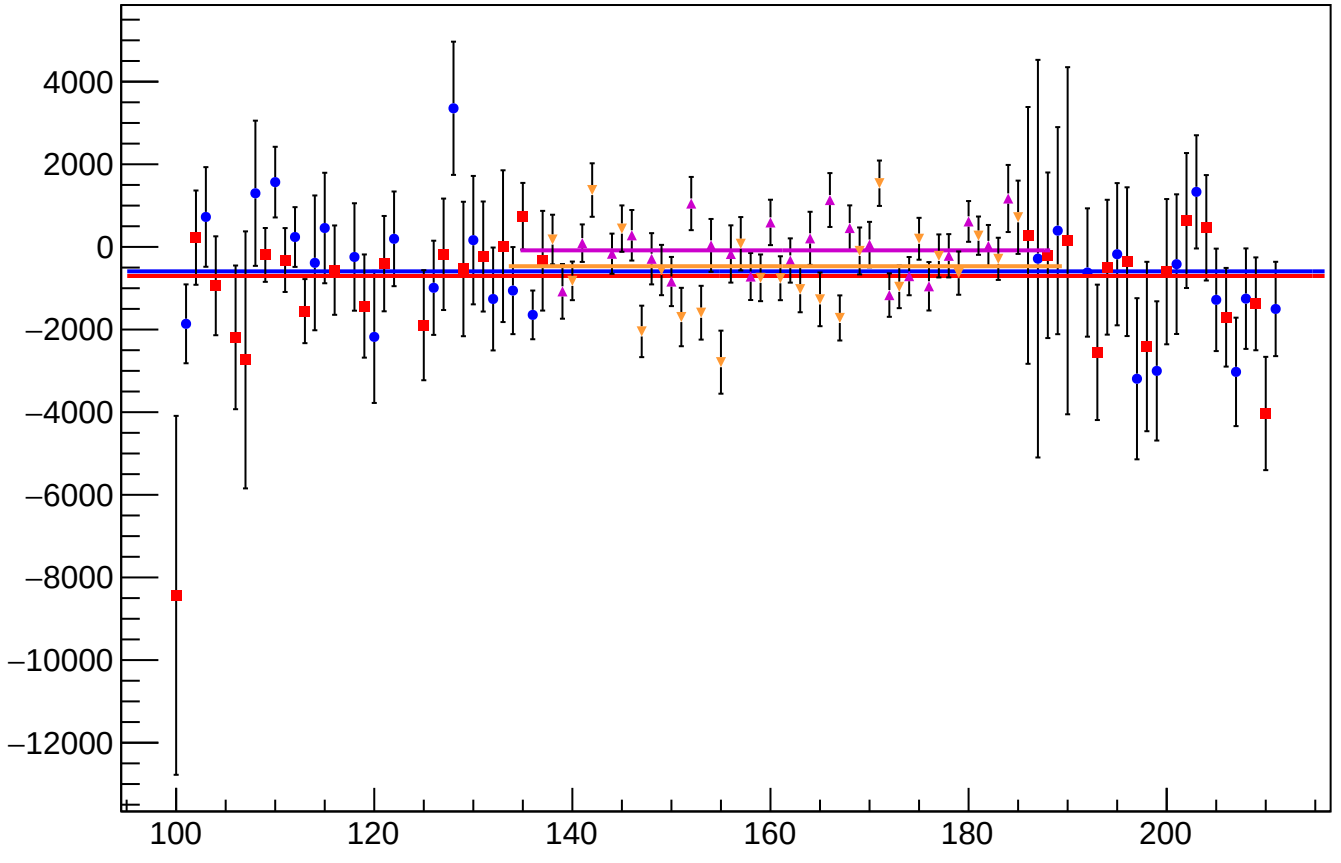
Left In: 775.922+/-0.128 χ^2/NDF:2973.0/22

+ sign 772.492+/-0.092 χ^2/NDF: 19102.4/51

All: 773.836+/-0.065 χ^2/NDF: 47562.5/105

- sign 775.157+/-0.091 χ^2/NDF: 28037.4/53

asym_us_dd_reg_correction_mean vs Slug



Right In: -591.413+/-228.301 χ^2/NDF: 34.7/27

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

Right Out: -703.668+/-226.402 χ^2/NDF: 22.7/30

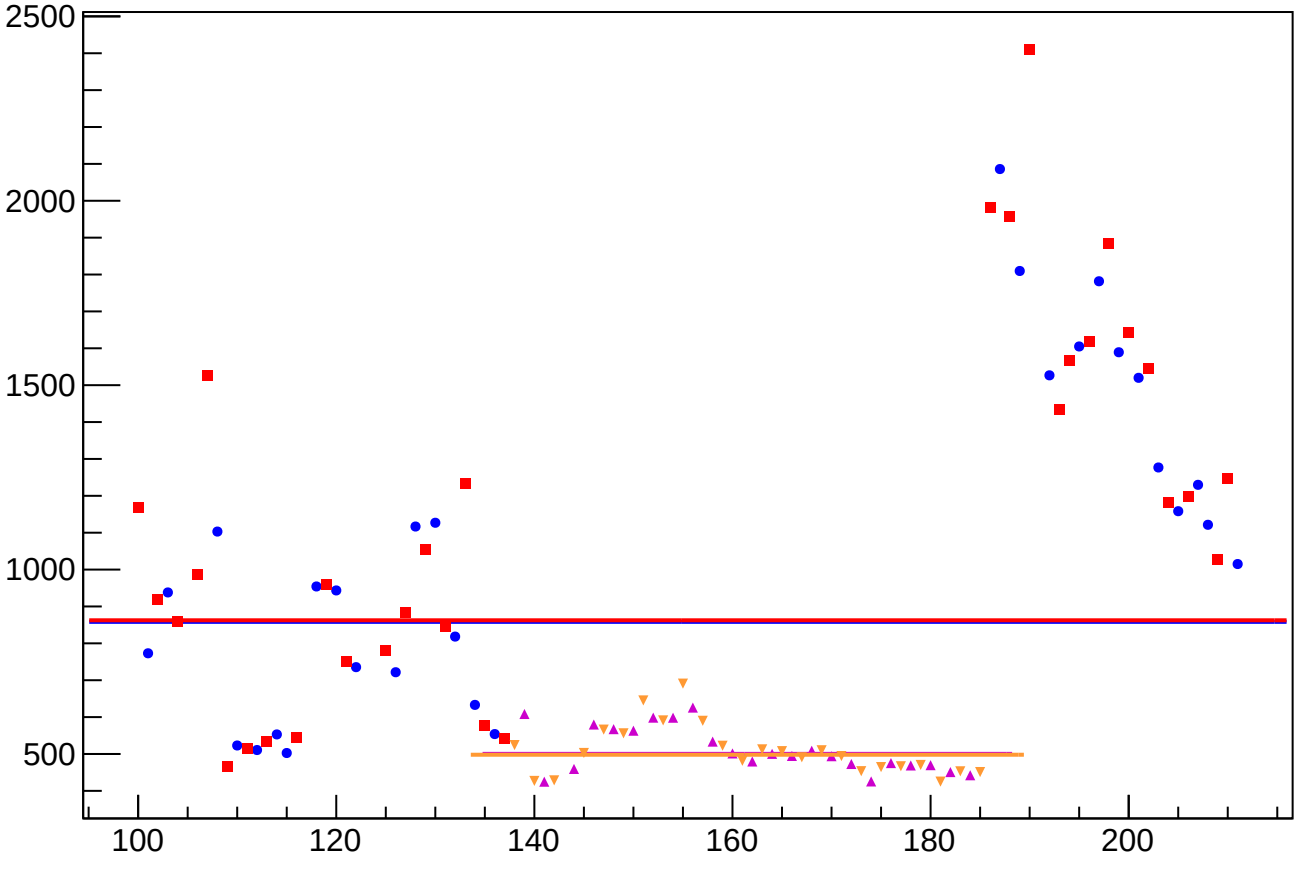
Left In: -83.154+/-117.808 χ^2/NDF:28.1/22

+ sign -492.897+/-103.920 χ^2/NDF: 99.4/51

All: -354.913+/-73.689 χ^2/NDF: 159.7/105

- sign -215.367+/-104.506 χ^2/NDF: 56.8/53

asym_us_dd_reg_correction_rms vs Slug



Right In: 858.259+/-0.161 χ^2/NDF: 4741957.8/27

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

Right Out: 862.493+/-0.160 χ^2/NDF: 6147818.1/30

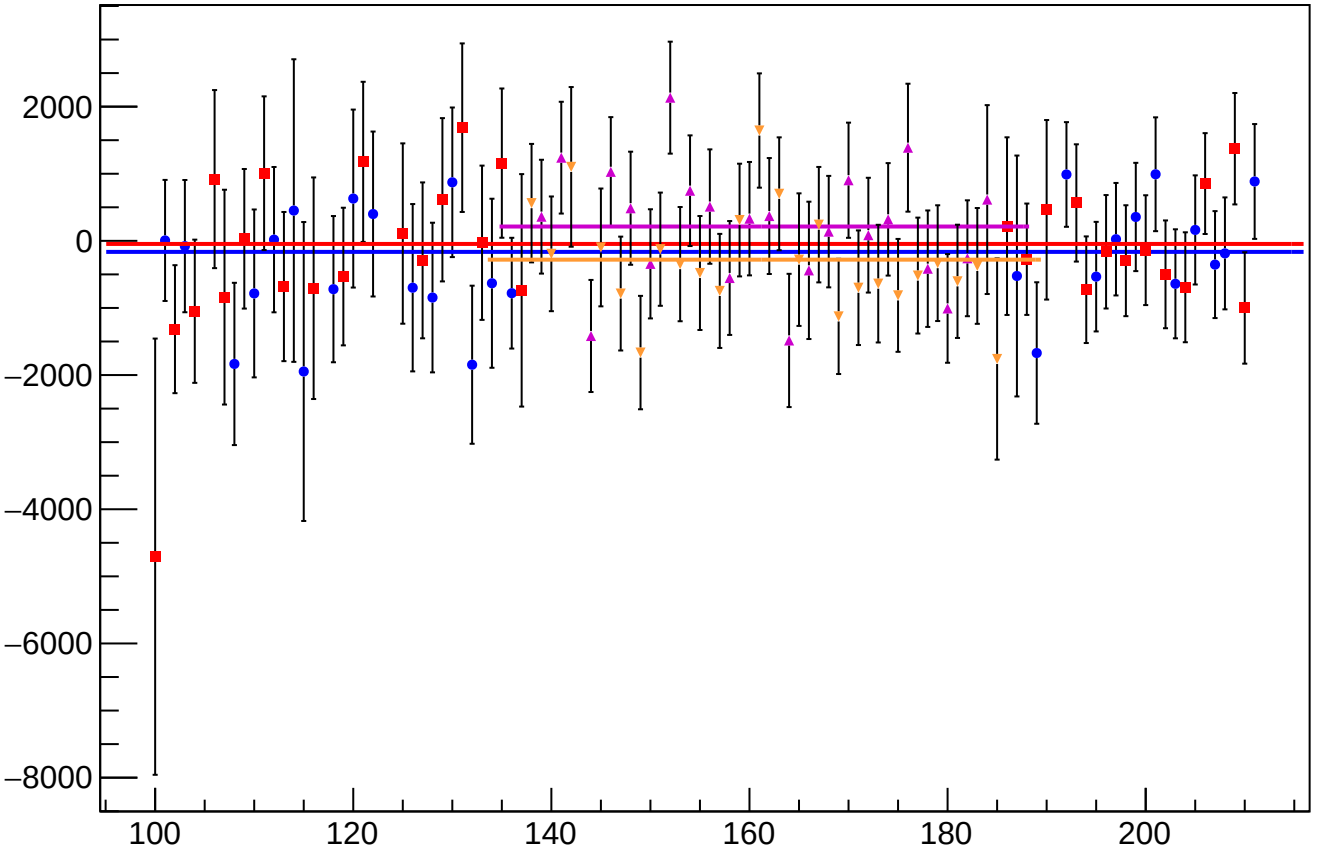
Left In: 500.307+/-0.083 χ^2/NDF:477388.4/22

+ sign 572.618+/-0.073 χ^2/NDF: 9217988.4/51

All: 575.034+/-0.052 χ^2/NDF: 19873177.6/10

- sign 577.478+/-0.074 χ^2/NDF: 10653013.9/53

cor_asym_us_dd_mean vs Slug



Right In: -164.543+/-188.693 χ^2/NDF: 16.8/27

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

Right Out: -46.094+/-183.820 χ^2/NDF: 19.9/30

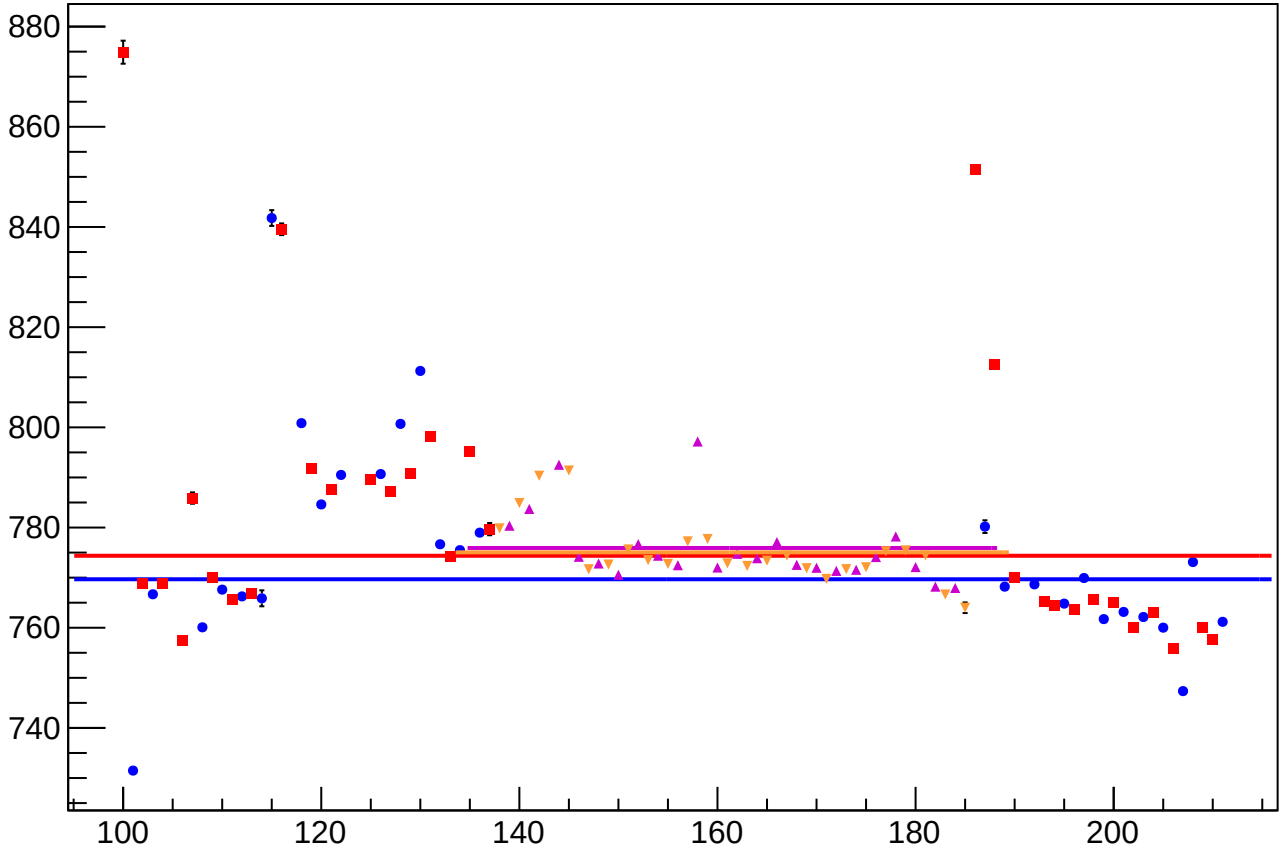
Left In: 213.425+/-181.168 χ^2/NDF:22.4/22

+ sign -225.221+/-130.199 χ^2/NDF: 33.1/51

All: -68.437+/-91.649 χ^2/NDF: 79.2/105

- sign 85.551+/-129.033 χ^2/NDF: 43.3/53

cor_asym_us_dd_rms vs Slug



Right In: 769.677+/-0.133 χ^2/NDF: 16301.7/27

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

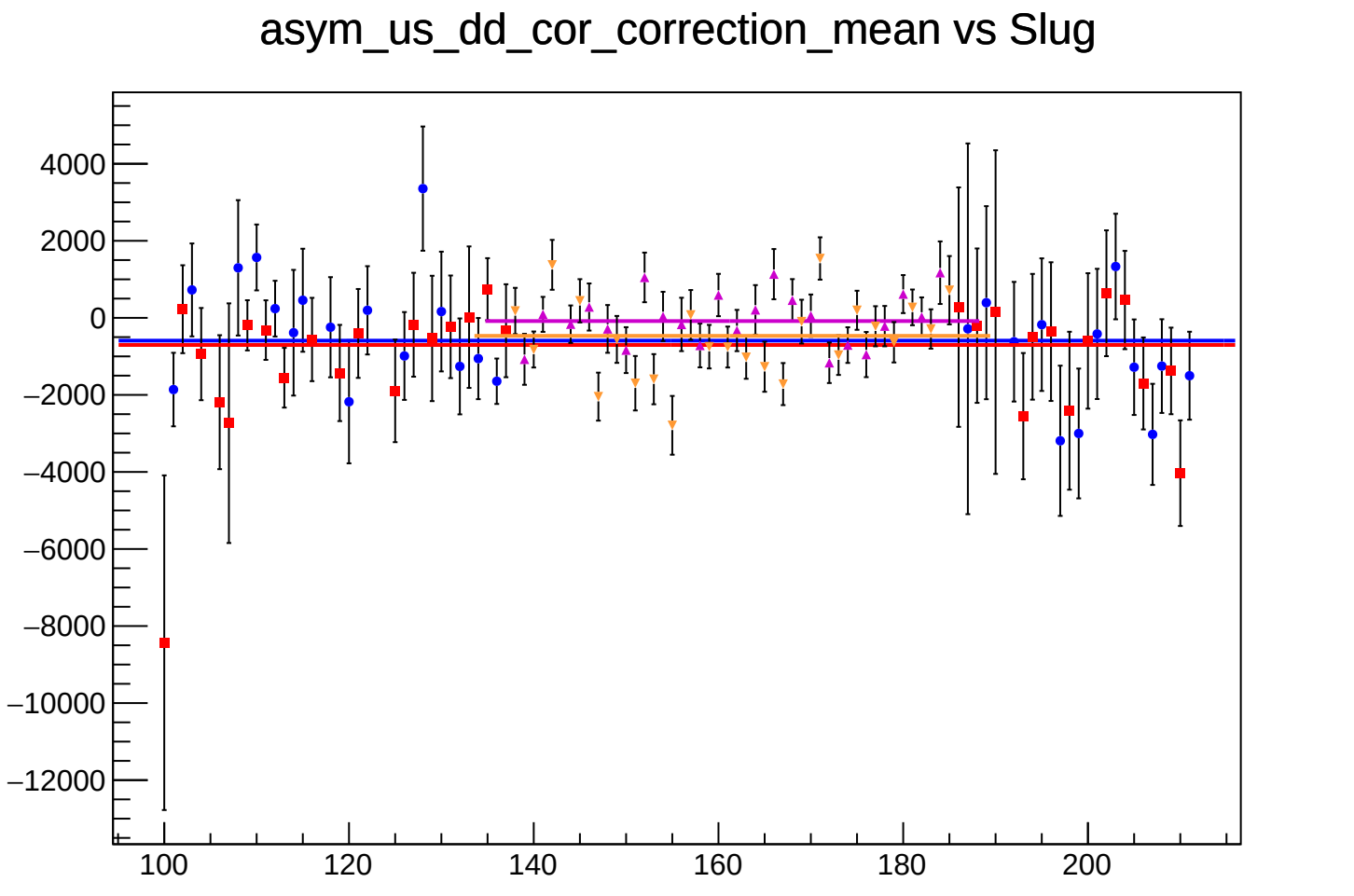
Right Out: 774.369+/-0.130 χ^2/NDF: 24992.0/30

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

+ sign 772.492+/-0.092 χ^2/NDF: 19102.4/51

All: 773.836+/-0.065 χ^2/NDF: 47562.5/105

- sign 775.157+/-0.091 χ^2/NDF: 28037.4/53



Right In: -591.413+/-228.301 χ^2/NDF: 34.7/27

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

Right Out: -703.668+/-226.402 χ^2/NDF: 22.7/30

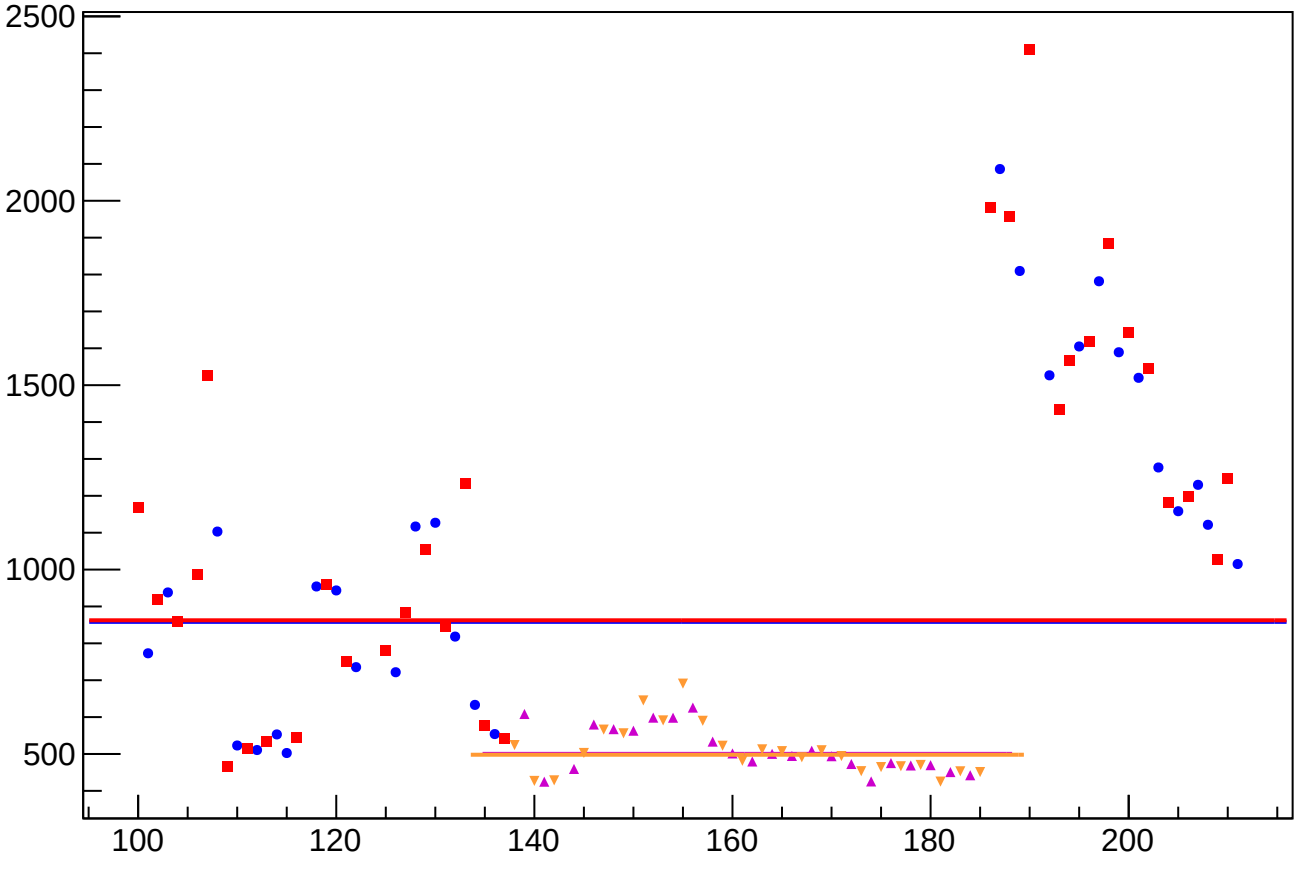
Left In: -83.154+/-117.808 χ^2/NDF:28.1/22

\+ sign -492.897+/-103.920 χ^2/NDF: 99.4/51

All: -354.913+/-73.689 χ^2/NDF: 159.7/105

\- sign -215.367+/-104.506 χ^2/NDF: 56.8/53

asym_us_dd_cor_correction_rms vs Slug



Right In: 858.259+/-0.161 χ^2/NDF: 4741957.8/27

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

Right Out: 862.493+/-0.160 χ^2/NDF: 6147818.1/30

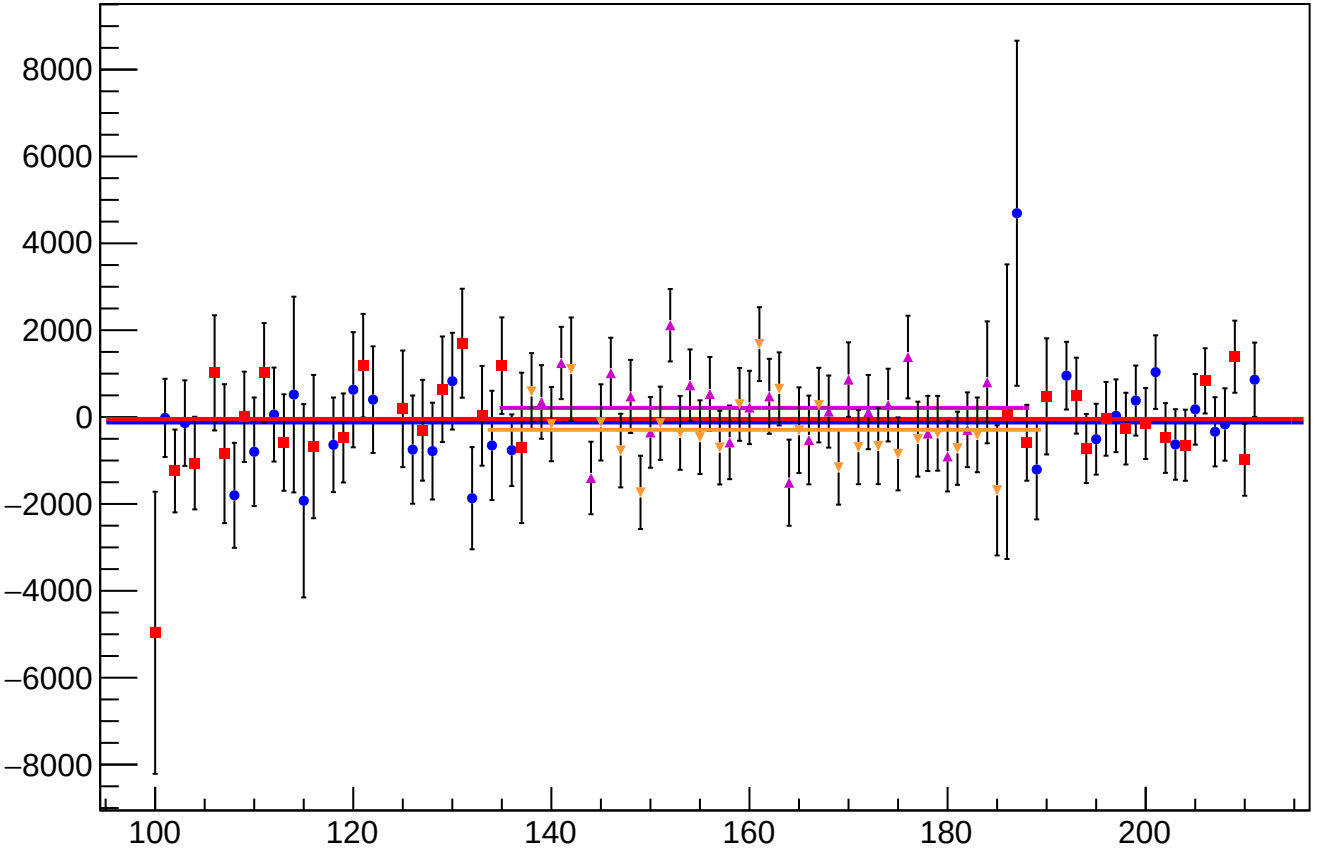
Left In: 500.307+/-0.083 χ^2/NDF:477388.4/22

+ sign 572.618+/-0.073 χ^2/NDF: 9217988.4/51

All: 575.034+/-0.052 χ^2/NDF: 19873177.6/10

- sign 577.478+/-0.074 χ^2/NDF: 10653013.9/53

overload_cor_asym_us_dd_mean vs Slug



Right In: -123.728+/-189.848 χ^2/NDF: 16.7/27

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

Right Out: -43.144+/-185.695 χ^2/NDF: 20.1/30

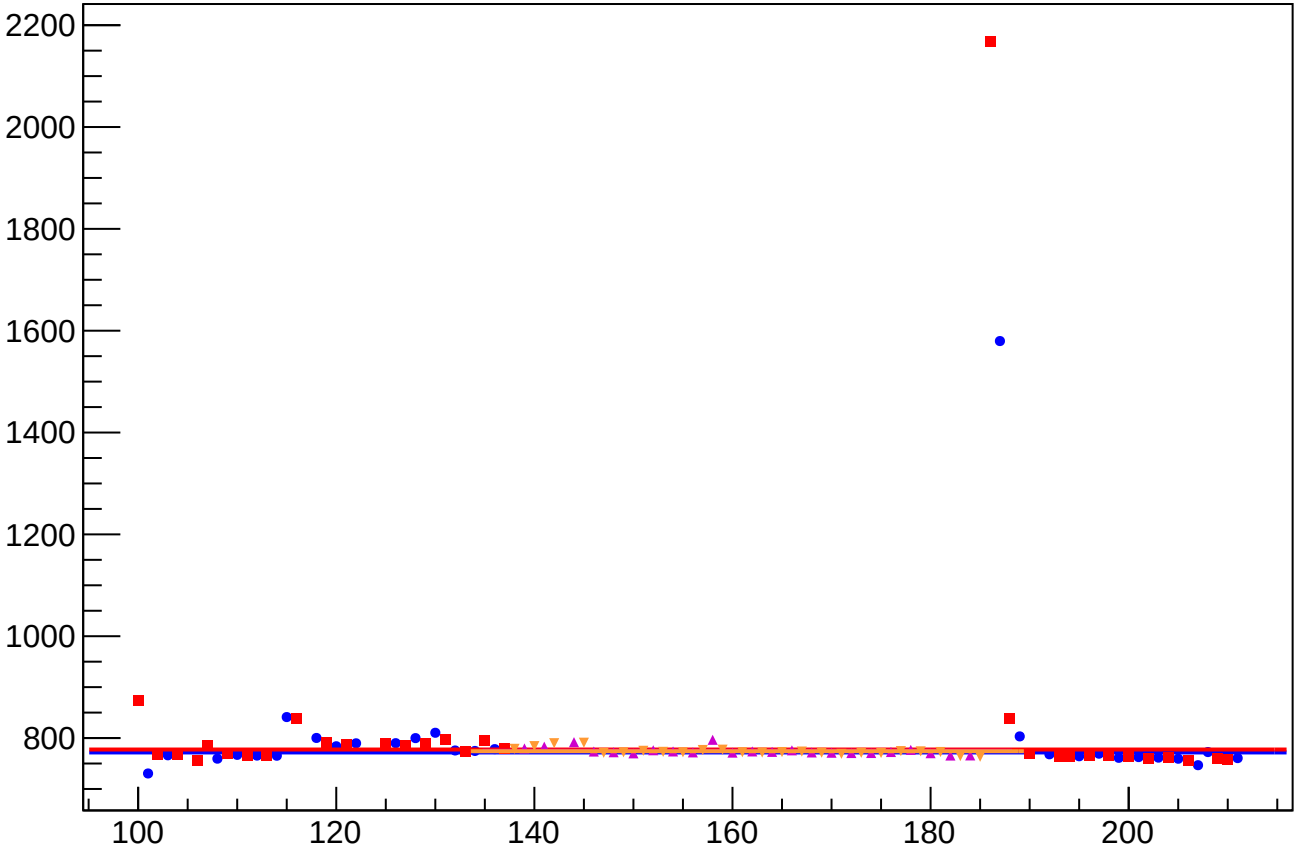
Left In: 211.238+/-180.951 χ^2/NDF:22.1/22

+ sign -212.514+/-130.496 χ^2/NDF: 33.8/51

All: -61.551+/-91.955 χ^2/NDF: 79.6/105

- sign 87.338+/-129.596 χ^2/NDF: 43.2/53

overload_cor_asym_us_dd_rms vs Slug



Right In: 771.734+/-0.134 χ^2/NDF: 100912.6/27

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

Right Out: 777.485+/-0.131 χ^2/NDF: 361580.0/30

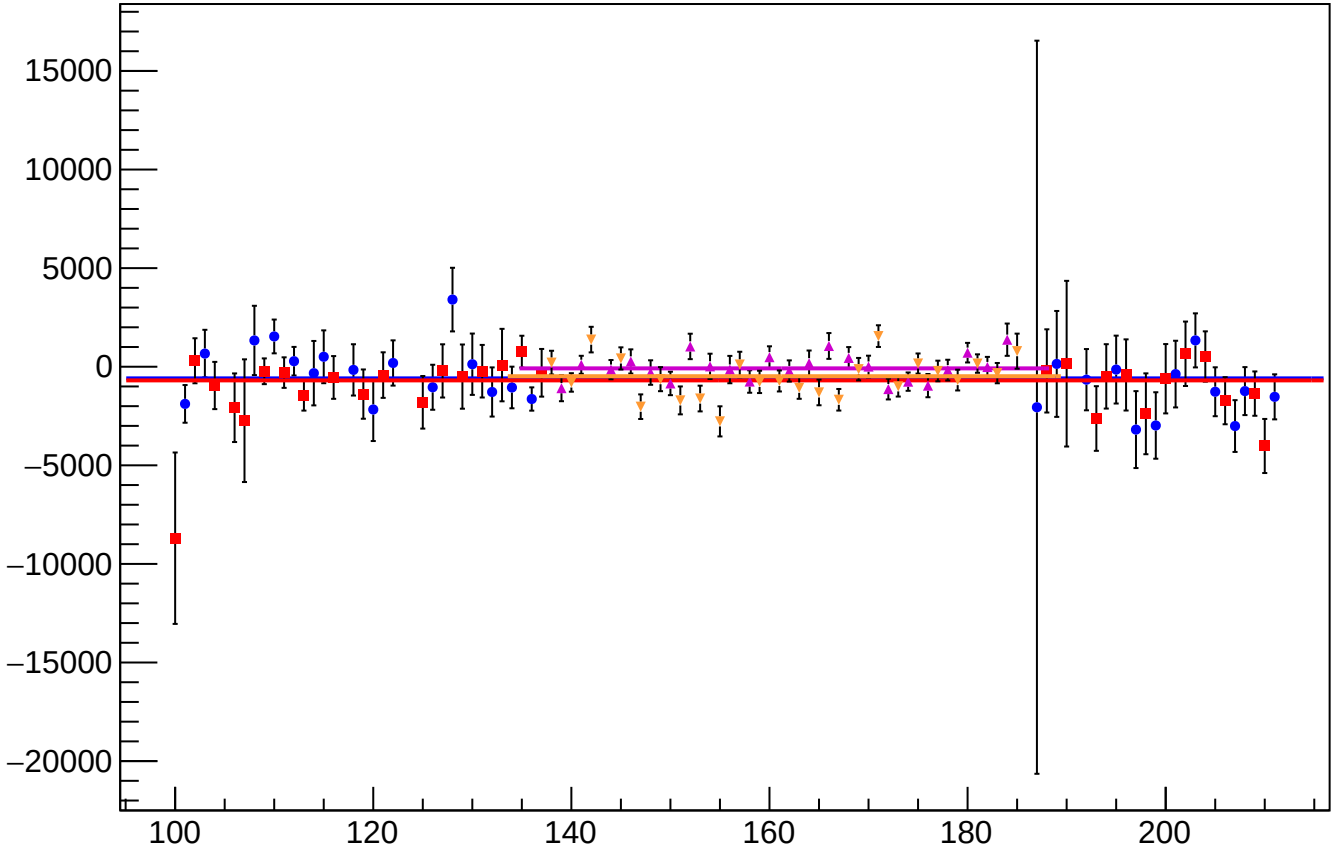
Left In: 774.990+/-0.128 χ^2/NDF:3148.2/22

+ sign 773.004+/-0.092 χ^2/NDF: 103142.7/51

All: 774.616+/-0.065 χ^2/NDF: 468662.0/105

- sign 776.205+/-0.092 χ^2/NDF: 364913.4/53

asym_us_dd_overload_cor_correction_mean vs Slug



Right In: -590.901+/-228.925 χ^2/NDF: 34.7/27

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

Right Out: -692.250+/-227.425 χ^2/NDF: 22.6/29

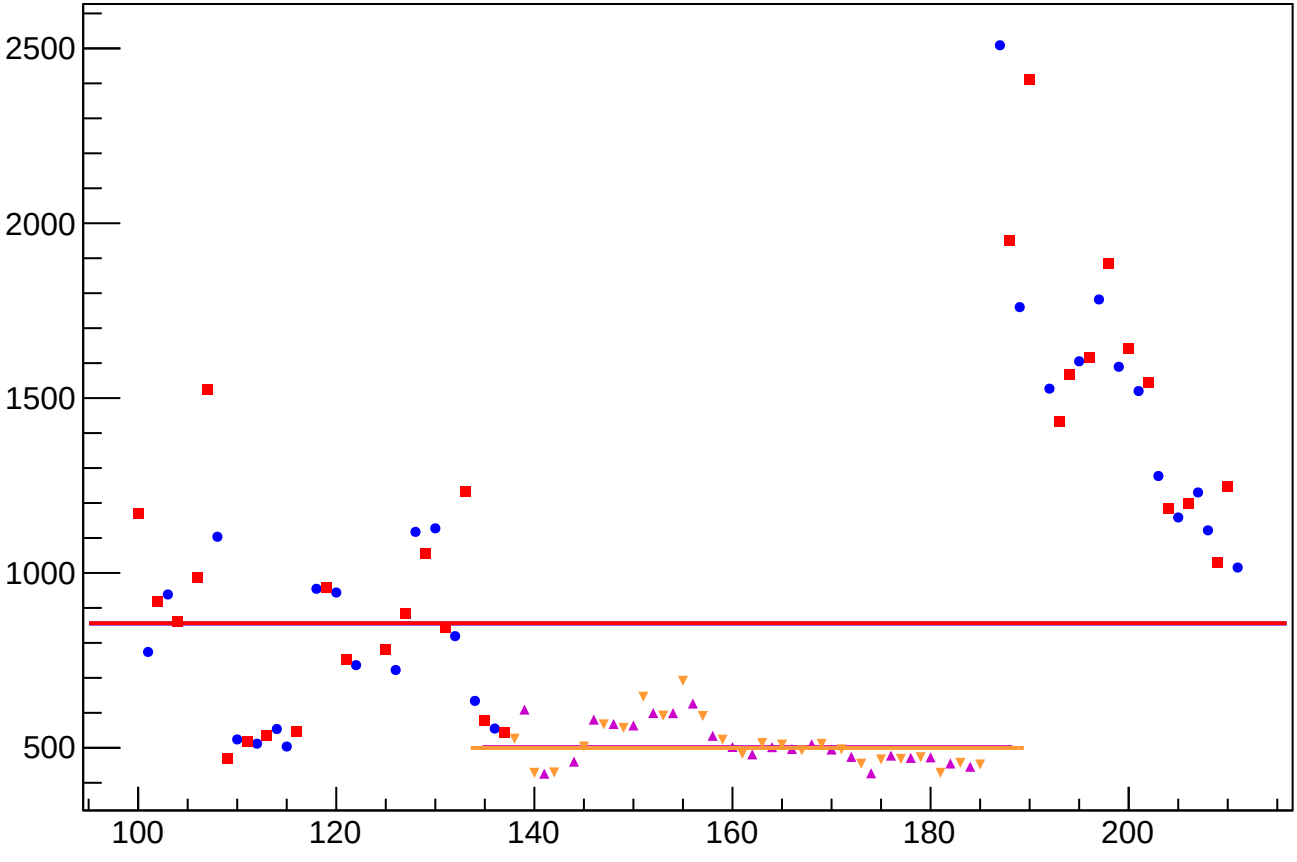
Left In: -83.196+/-118.194 χ^2/NDF:28.2/22

+ sign -504.038+/-104.247 χ^2/NDF: 98.4/51

All: -359.254+/-73.935 χ^2/NDF: 158.7/104

- sign -212.716+/-104.876 χ^2/NDF: 56.5/52

asym_us_dd_overload_cor_correction_rms vs Slug



Right In: 855.562+/-0.162 χ^2/NDF: 4549657.9/27

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

Right Out: 856.245+/-0.161 χ^2/NDF: 5798001.5/29

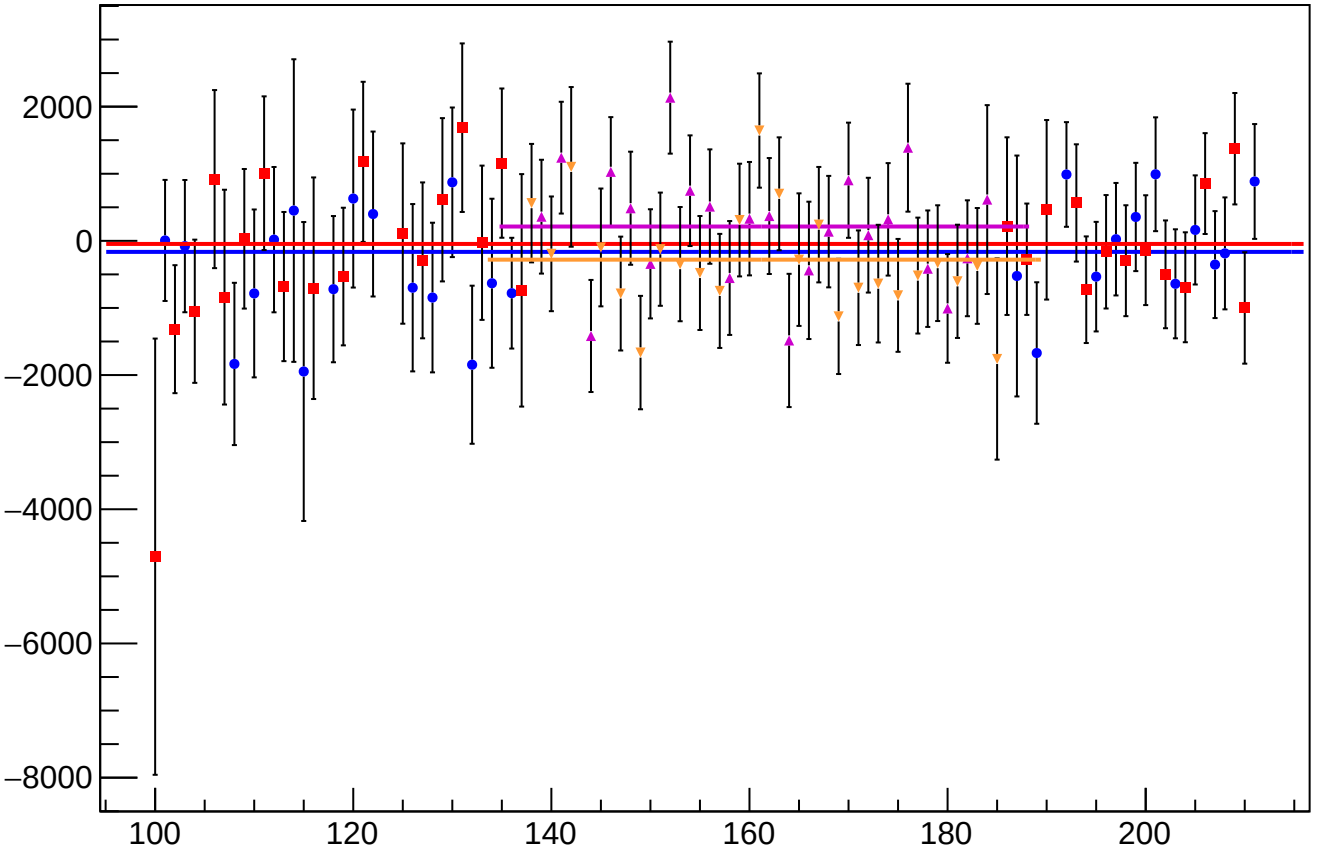
Left In: 502.026+/-0.084 χ^2/NDF:467449.2/22

+ sign 573.470+/-0.074 χ^2/NDF: 8897331.5/51

All: 575.400+/-0.052 χ^2/NDF: 18984133.3/10

- sign 577.353+/-0.074 χ^2/NDF: 10085422.5/52

eigen_cor_asym_us_dd_mean vs Slug



Right In: -164.543+/-188.693 χ^2/NDF: 16.8/27

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

Right Out: -46.094+/-183.820 χ^2/NDF: 19.9/30

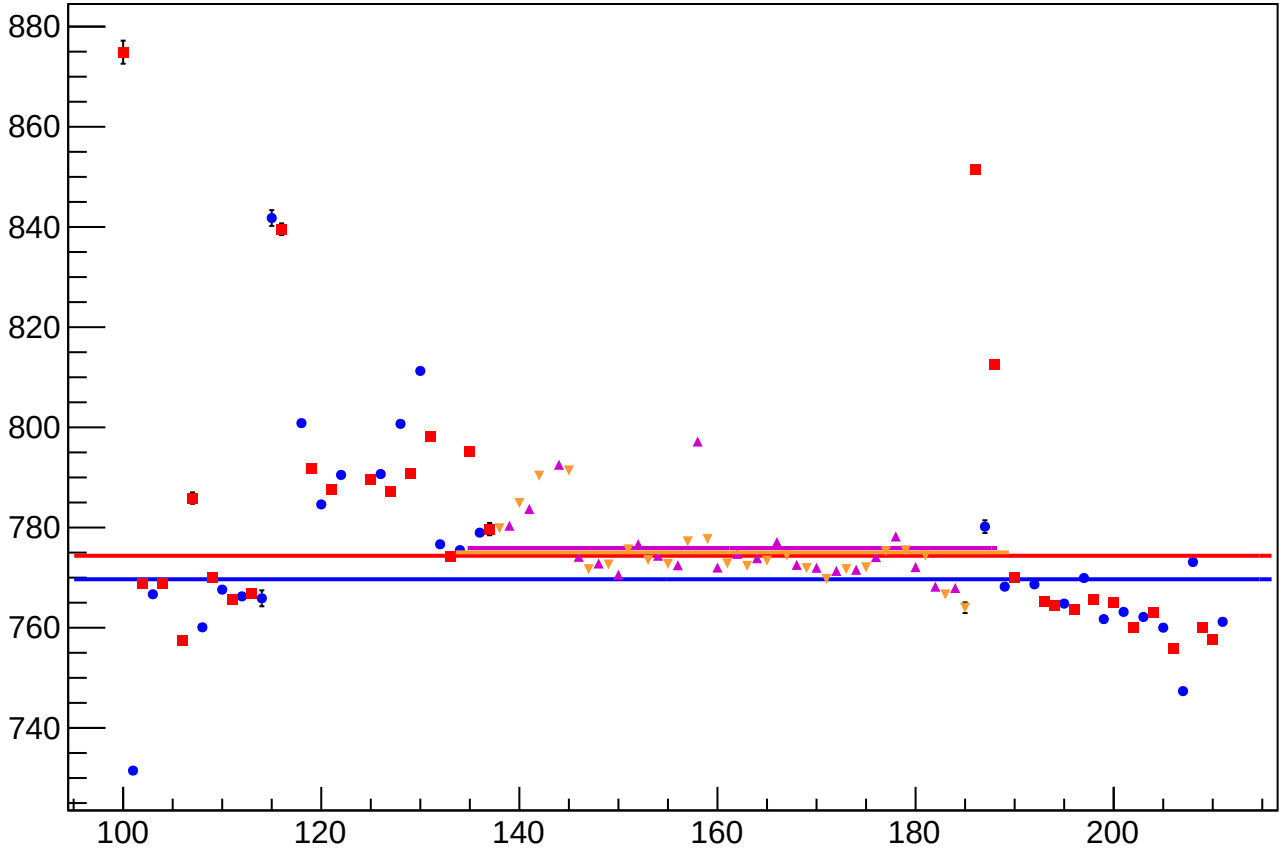
Left In: 213.425+/-181.168 χ^2/NDF:22.4/22

+ sign -225.221+/-130.199 χ^2/NDF: 33.1/51

All: -68.437+/-91.649 χ^2/NDF: 79.2/105

- sign 85.551+/-129.033 χ^2/NDF: 43.3/53

eigen_cor_asym_us_dd_rms vs Slug



Right In: 769.677+/-0.133 χ^2/NDF: 16301.7/27

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

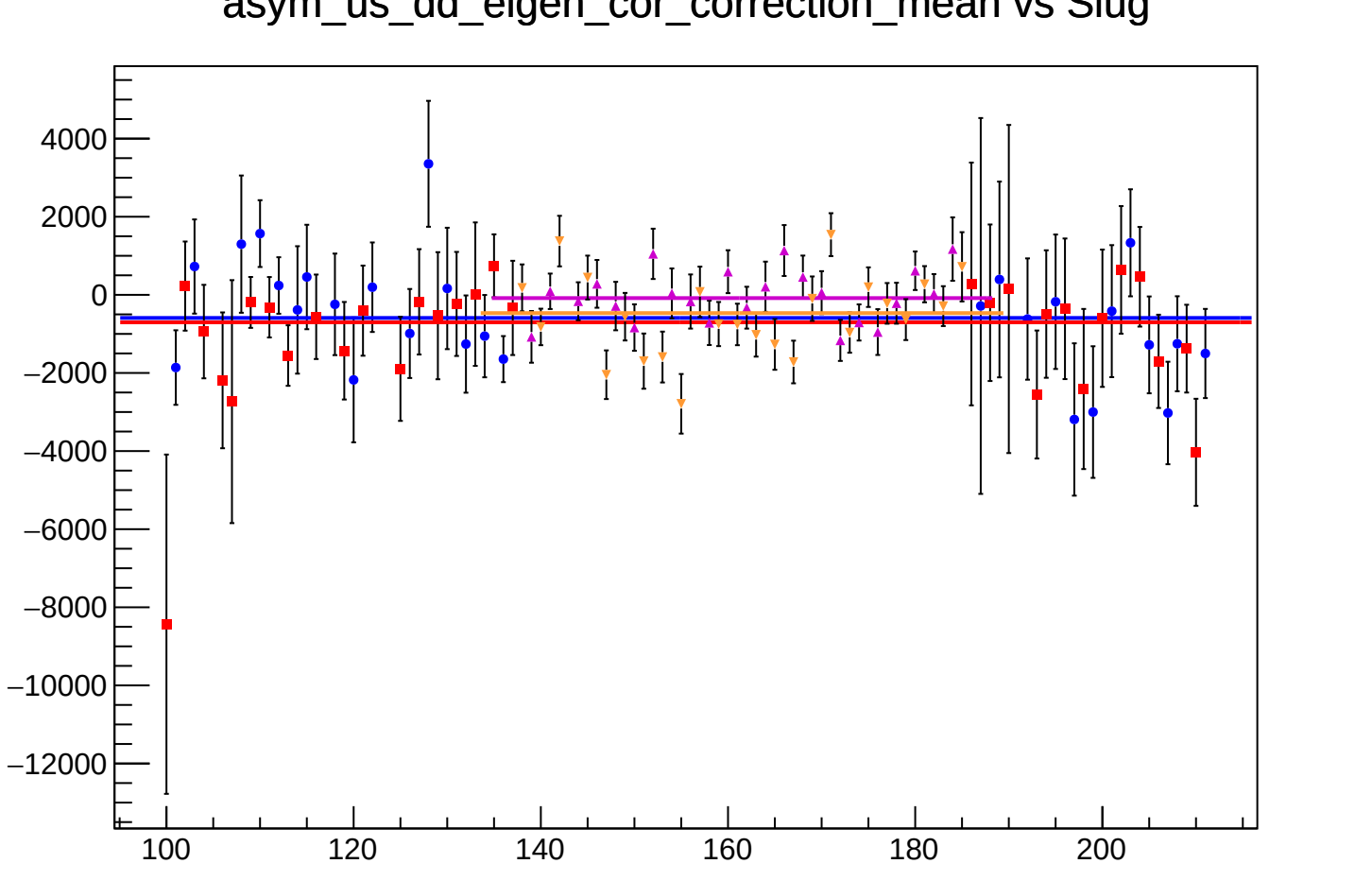
Right Out: 774.369+/-0.130 χ^2/NDF: 24992.0/30

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

+ sign 772.492+/-0.092 χ^2/NDF: 19102.4/51

All: 773.836+/-0.065 χ^2/NDF: 47562.5/105

- sign 775.157+/-0.091 χ^2/NDF: 28037.4/53



Right In: -591.413+/-228.301 χ^2/NDF: 34.7/27

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

Right Out: -703.668+/-226.402 χ^2/NDF: 22.7/30

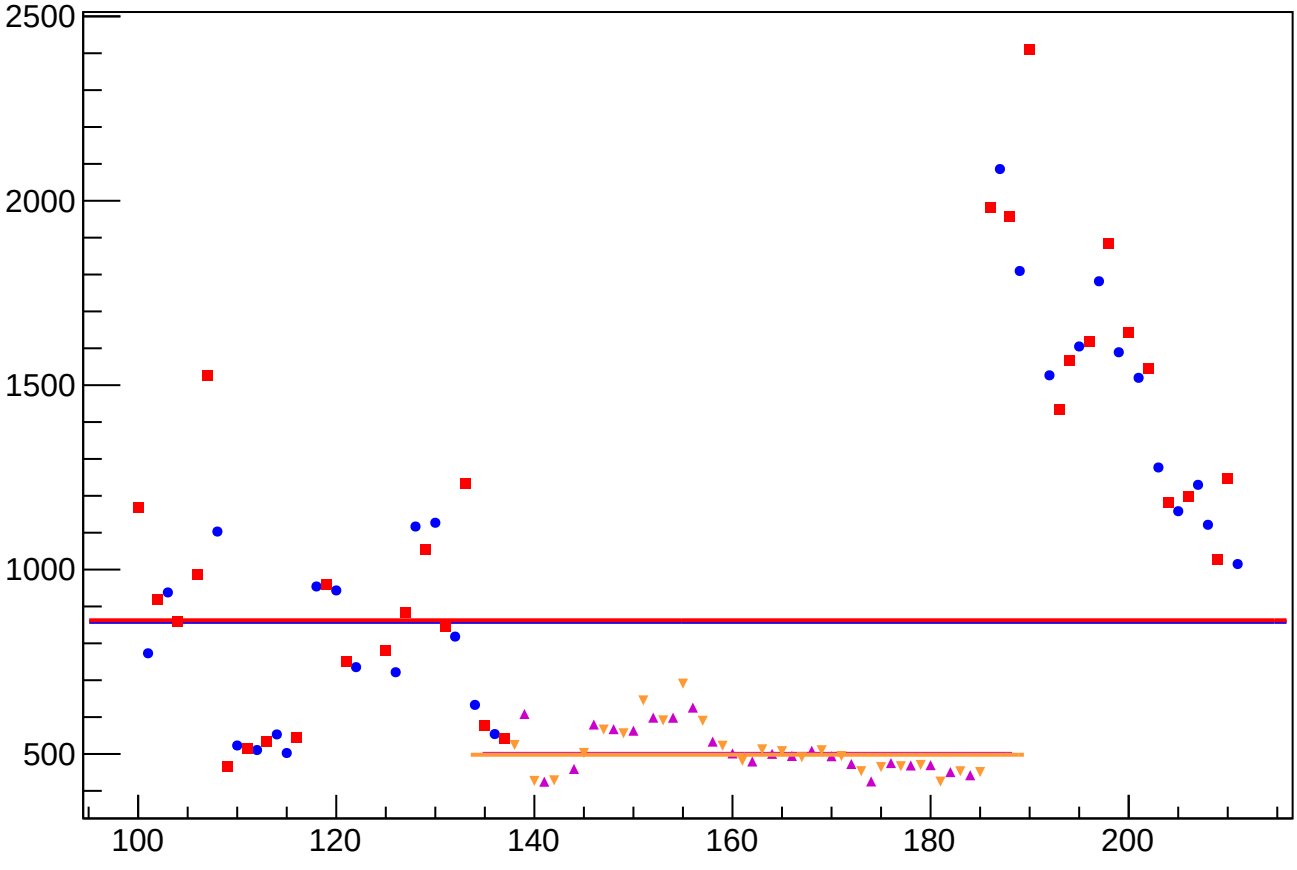
Left In: -83.154+/-117.808 χ^2/NDF:28.1/22

+ sign -492.897+/-103.920 χ^2/NDF: 99.4/51

All: -354.913+/-73.689 χ^2/NDF: 159.7/105

- sign -215.367+/-104.506 χ^2/NDF: 56.8/53

asym_us_dd_eigen_cor_correction_rms vs Slug



Right In: 858.259+/-0.161 χ^2/NDF: 4741957.8/27

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

Right Out: 862.493+/-0.160 χ^2/NDF: 6147818.1/30

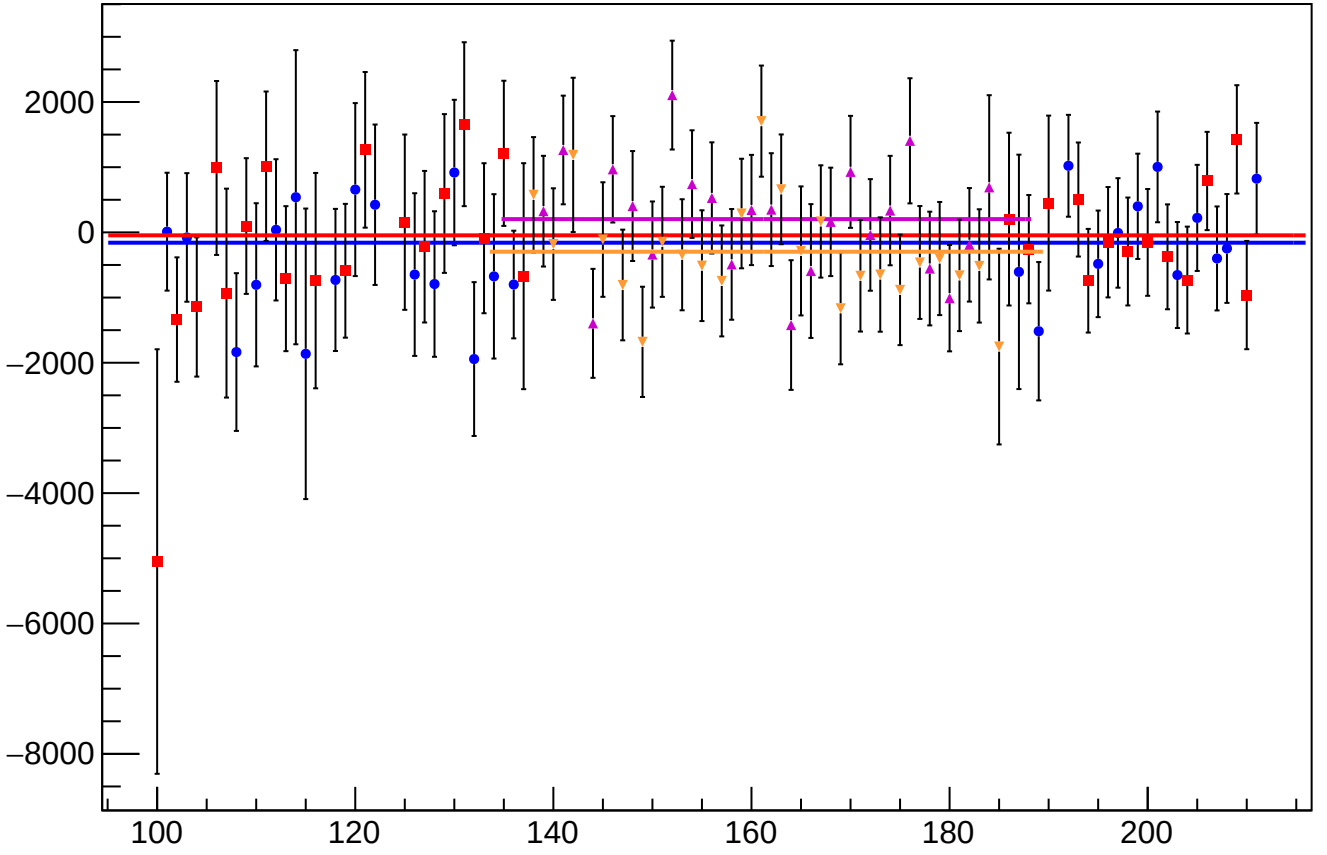
Left In: 500.307+/-0.083 χ^2/NDF:477388.4/22

+ sign 572.618+/-0.073 χ^2/NDF: 9217988.4/51

All: 575.034+/-0.052 χ^2/NDF: 19873177.6/10

- sign 577.478+/-0.074 χ^2/NDF: 10653013.9/53

dit_asym_us_dd_mean vs Slug



Right In: -158.541+/-188.930 χ^2/NDF: 16.8/27

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

Right Out: -45.509+/-184.049 χ^2/NDF: 20.6/30

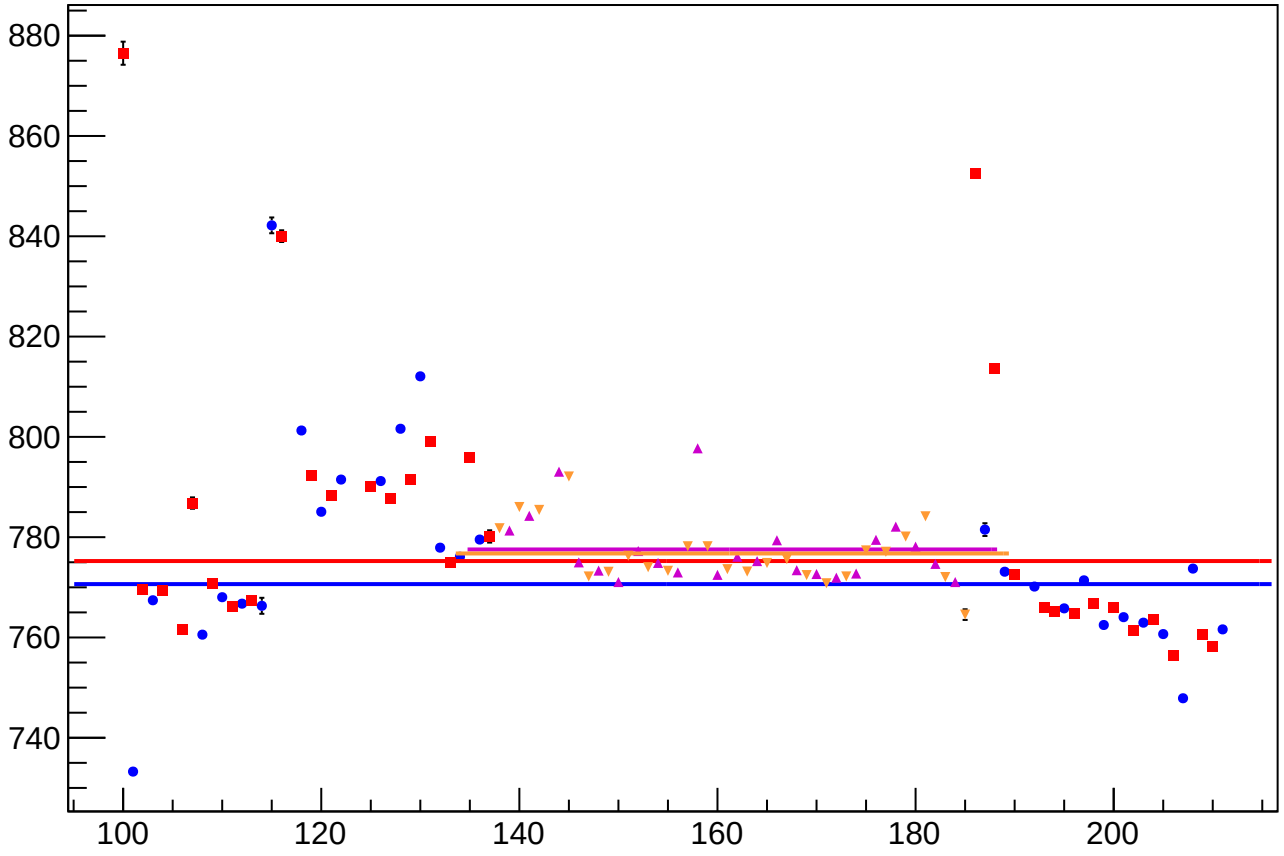
Left In: 203.339+/-181.548 χ^2/NDF:22.1/22

+ sign -230.892+/-130.428 χ^2/NDF: 33.8/51

All: -73.724+/-91.807 χ^2/NDF: 80.3/105

- sign 80.617+/-129.249 χ^2/NDF: 43.6/53

dit_asym_us_dd_rms vs Slug



Right In: 770.643+/-0.134 χ^2/NDF: 16092.6/27

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

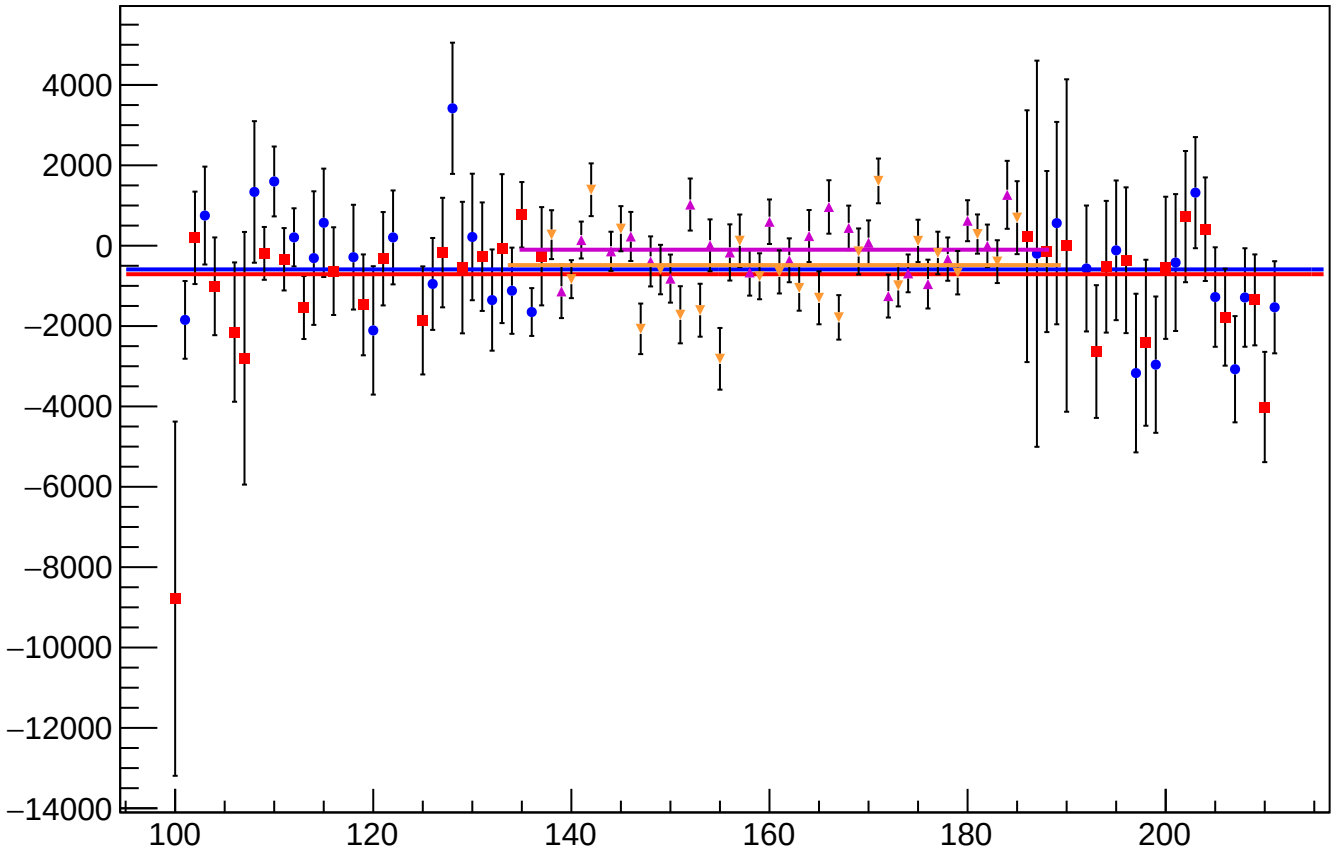
Right Out: 775.241+/-0.130 χ^2/NDF: 24870.7/30

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

+ sign 773.840+/-0.092 χ^2/NDF: 19013.1/51

All: 775.137+/-0.065 χ^2/NDF: 47186.2/105

- sign 776.411+/-0.091 χ^2/NDF: 27781.0/53



Right In: -589.997+/-230.334 χ^2/NDF: 34.7/27

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

Right Out: -710.019+/-228.265 χ^2/NDF: 22.9/30

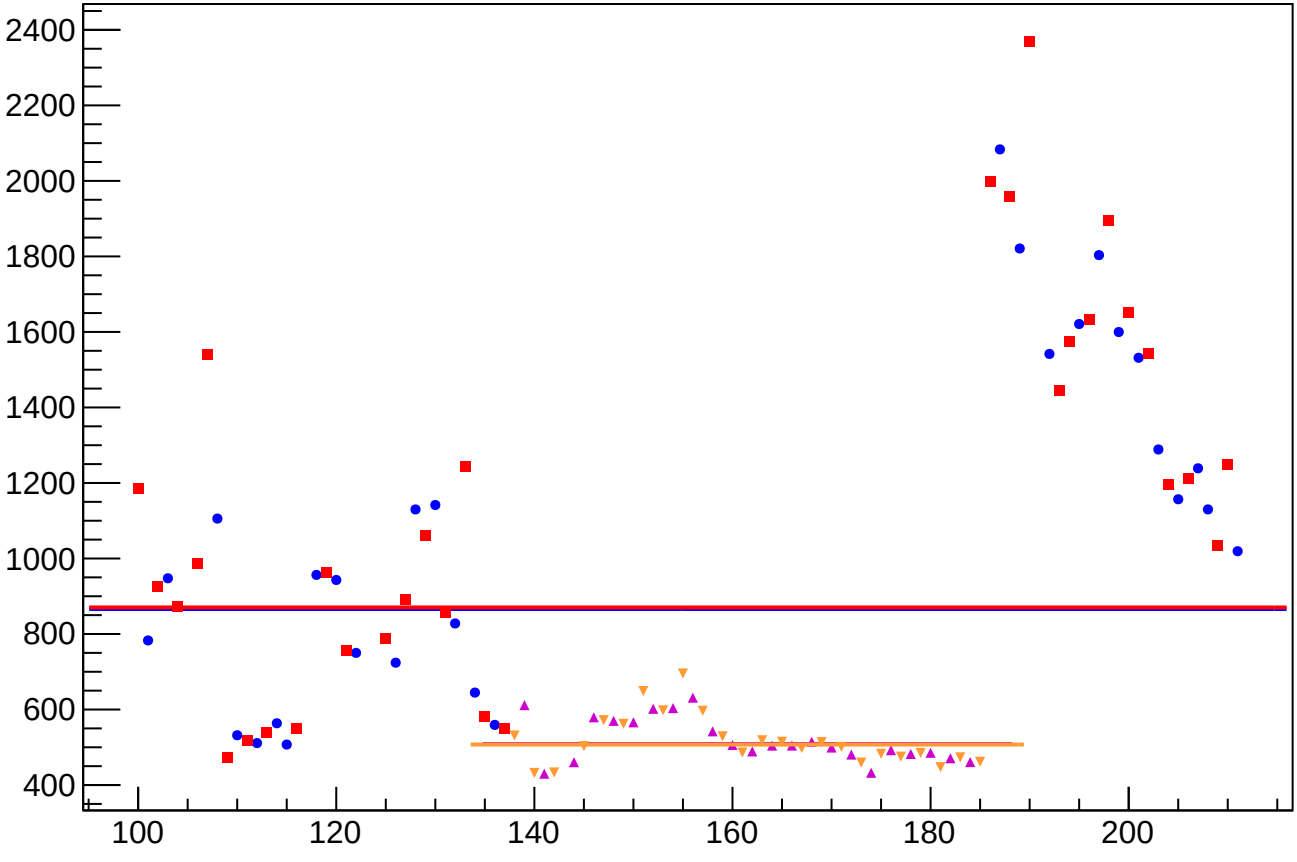
Left In: -99.985+/-119.677 χ^2/NDF:27.4/22

+ sign -505.394+/-105.587 χ^2/NDF: 100.0/51

All: -368.980+/-74.804 χ^2/NDF: 159.3/105

- sign -231.516+/-105.992 χ^2/NDF: 55.9/53

asym_us_dd_dit_correction_rms vs Slug



Right In: 866.297+/-0.163 χ^2/NDF: 4721573.5/27

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

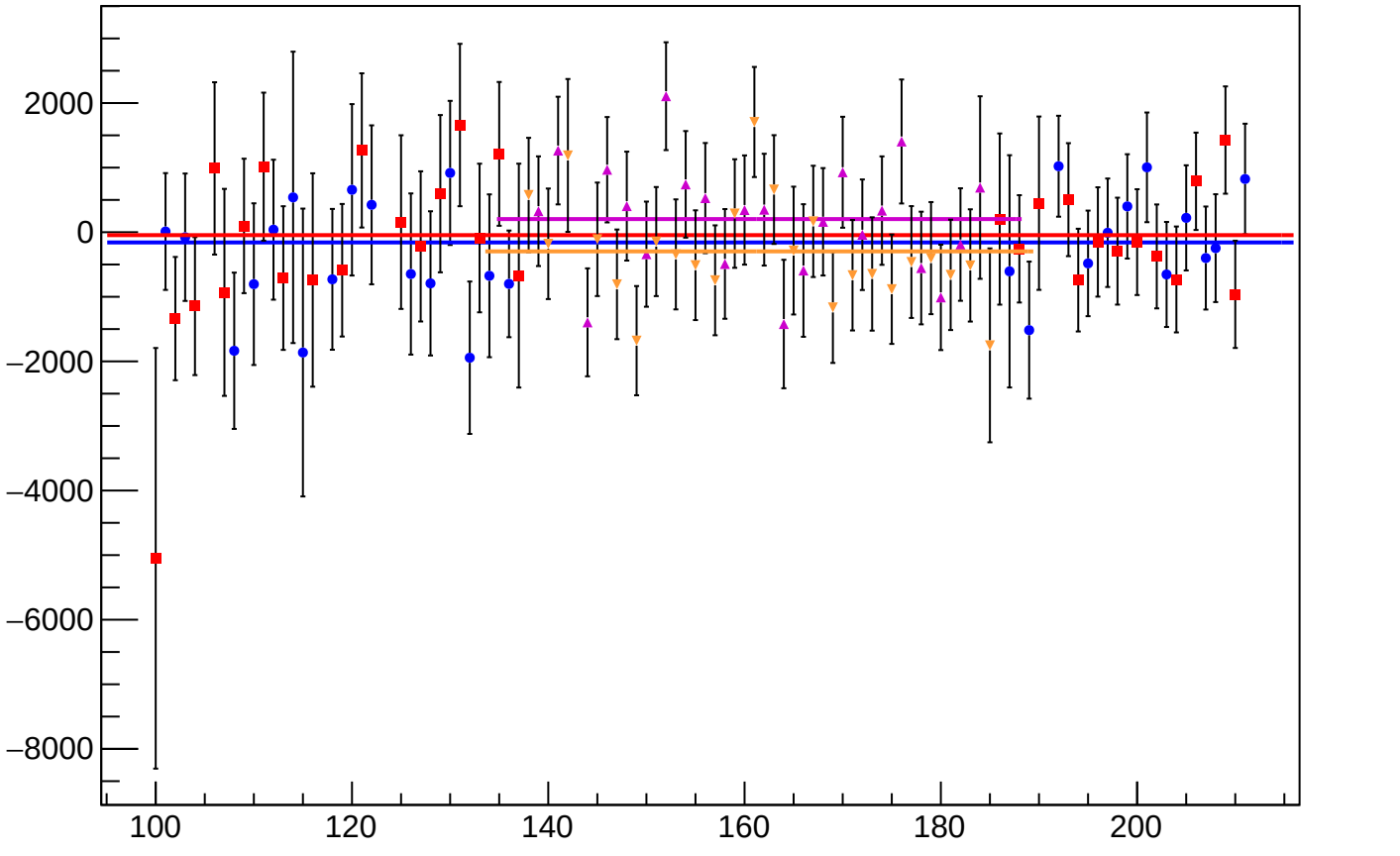
Right Out: 870.334+/-0.161 χ^2/NDF: 6103675.2/30

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

+ sign 582.754+/-0.075 χ^2/NDF: 9032632.9/51

All: 584.682+/-0.053 χ^2/NDF: 19508956.5/10

- sign 586.624+/-0.075 χ^2/NDF: 10474985.3/53



Right In: -158.541+/-188.930 χ^2/NDF: 16.8/27

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

Right Out: -45.509+/-184.049 χ^2/NDF: 20.6/30

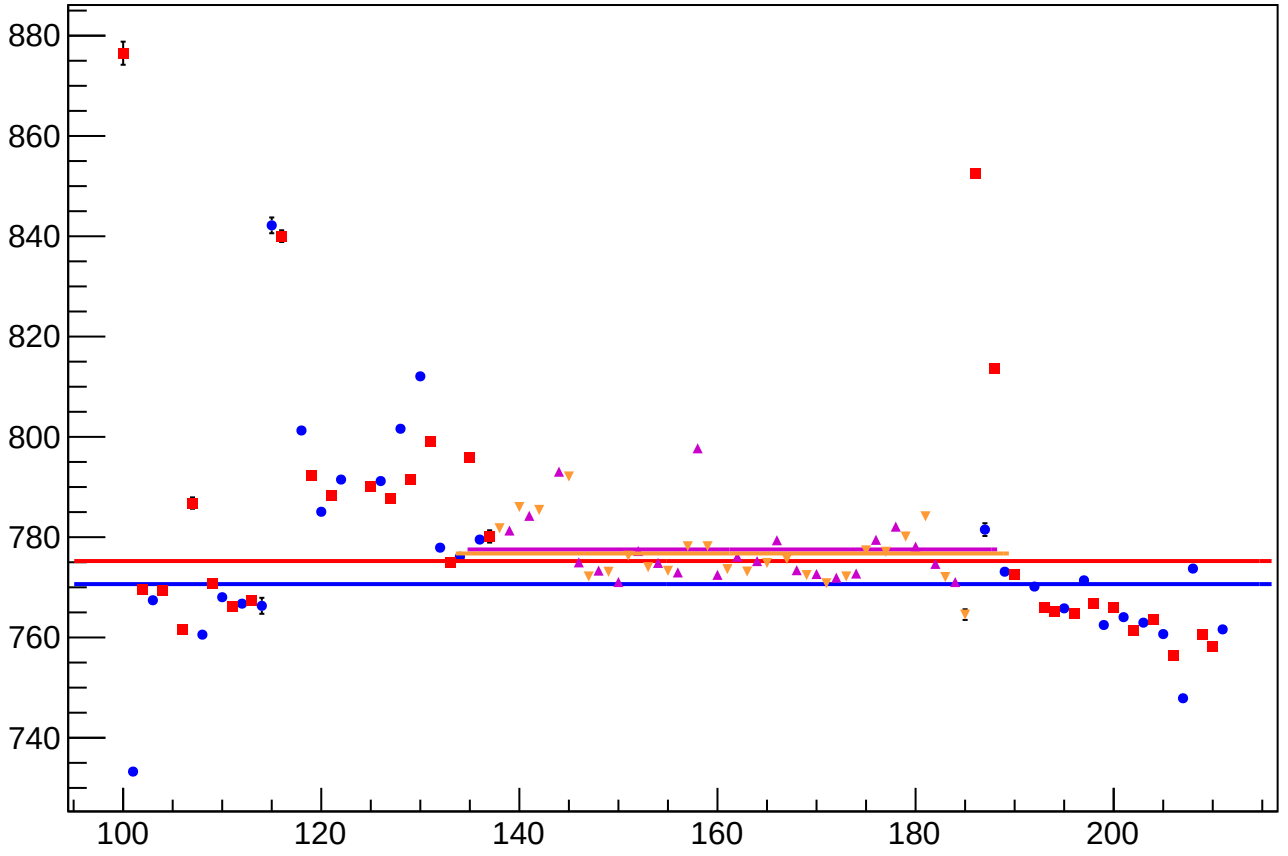
Left In: 203.338+/-181.548 χ^2/NDF:22.1/22

+ sign -230.893+/-130.428 χ^2/NDF: 33.8/51

All: -73.724+/-91.807 χ^2/NDF: 80.3/105

- sign 80.617+/-129.249 χ^2/NDF: 43.6/53

eigen_dit_asym_us_dd_rms vs Slug



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

Right Out: 775.241+/-0.130 χ^2/NDF: 24870.7/30

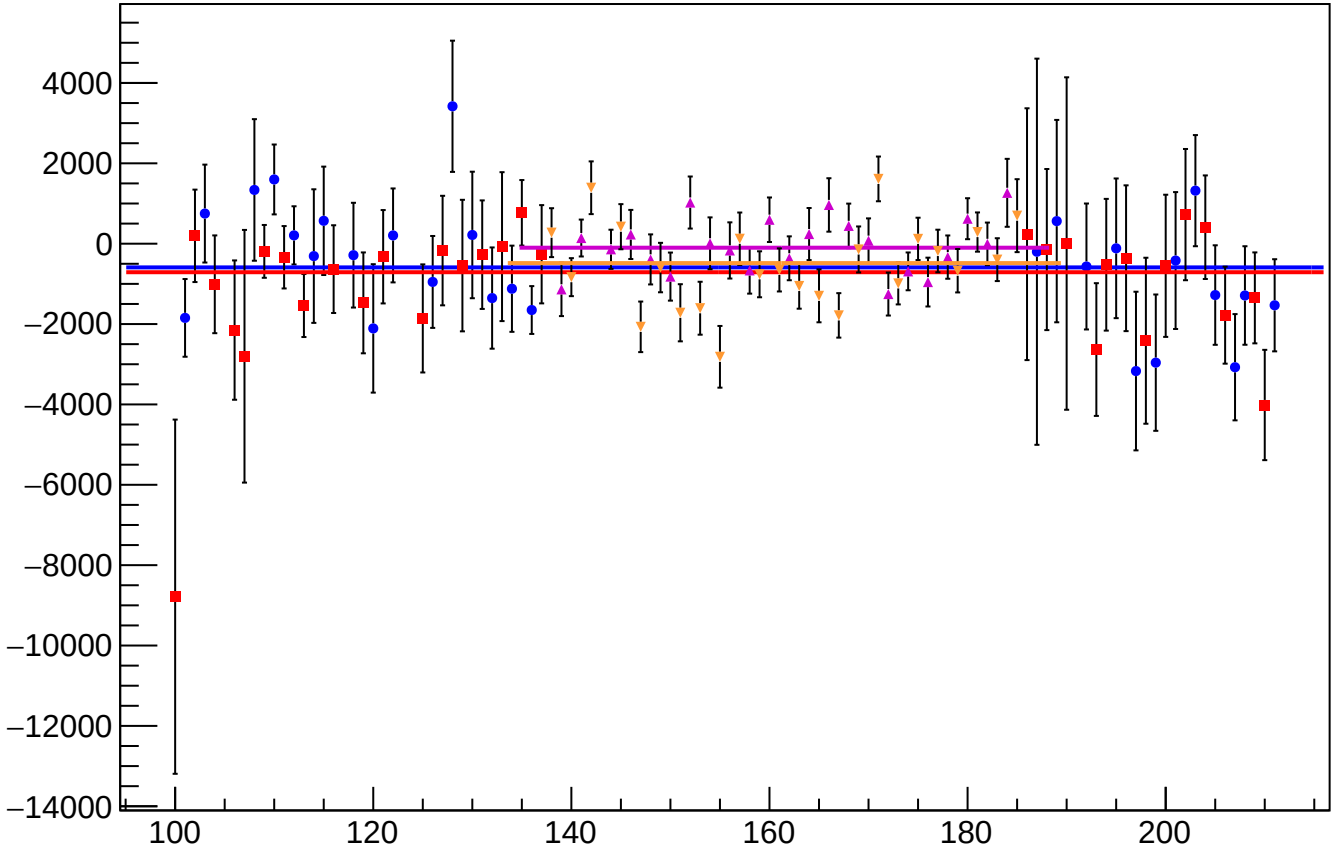
Left In: 777.550+/-0.128 χ^2/NDF:2750.7/22

+ sign 773.840+/-0.092 χ^2/NDF: 19013.0/51

All: 775.137+/-0.065 χ^2/NDF: 47186.2/105

- sign 776.411+/-0.091 χ^2/NDF: 27781.0/53

asym_us_dd_eigen_dit_correction_mean vs Slug



Right In: -589.991+/-230.333 χ^2/NDF: 34.7/27

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

Right Out: -710.017+/-228.264 χ^2/NDF: 22.9/30

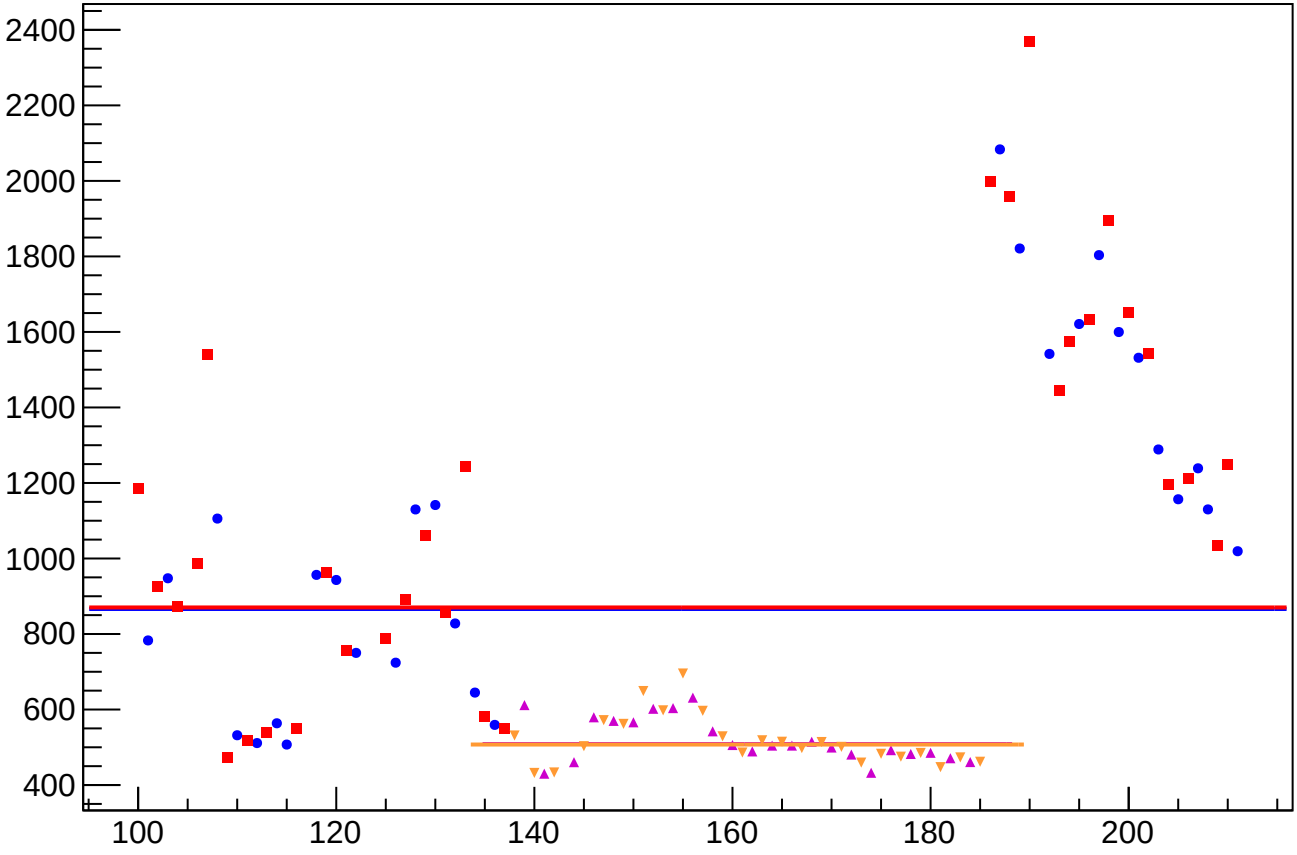
Left In: -99.985+/-119.677 χ^2/NDF:27.4/22

+ sign -505.393+/-105.587 χ^2/NDF: 100.0/51

All: -368.979+/-74.804 χ^2/NDF: 159.3/105

- sign -231.516+/-105.992 χ^2/NDF: 55.9/53

asym_us_dd_eigen_dit_correction_rms vs Slug



Right In: 866.293+/-0.163 χ^2/NDF: 4721635.8/27

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

Right Out: 870.331+/-0.161 χ^2/NDF: 6103739.6/30

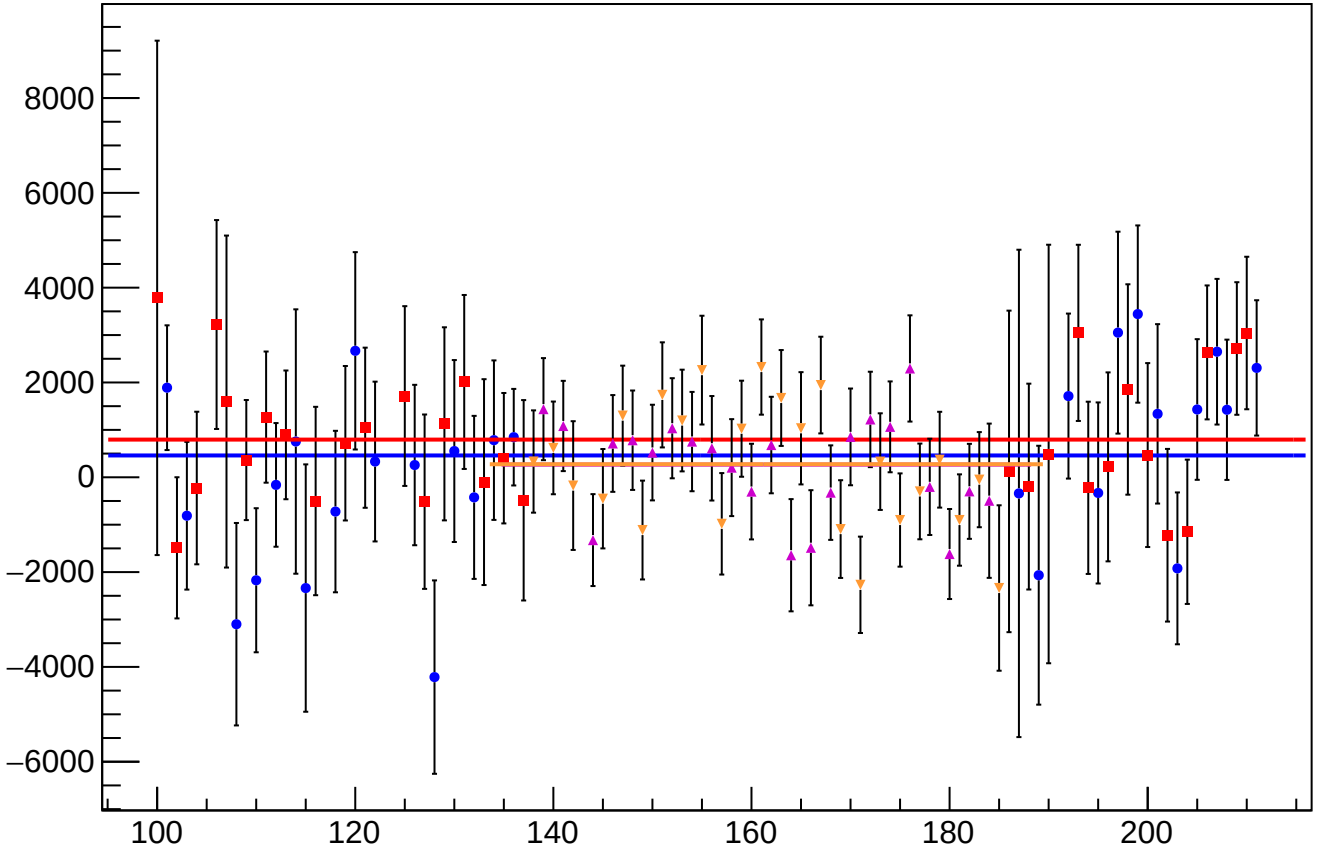
Left In: 508.638+/-0.085 χ^2/NDF:432461.7/22

+ sign 582.754+/-0.075 χ^2/NDF: 9032644.0/51

All: 584.682+/-0.053 χ^2/NDF: 19508989.2/10

- sign 586.624+/-0.075 χ^2/NDF: 10475007.2/53

asym_us_dd_mean vs Slug



Right In: 460.495+/-320.620 χ^2/NDF: 28.9/27

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

Right Out: 795.028+/-321.089 χ^2/NDF: 17.6/30

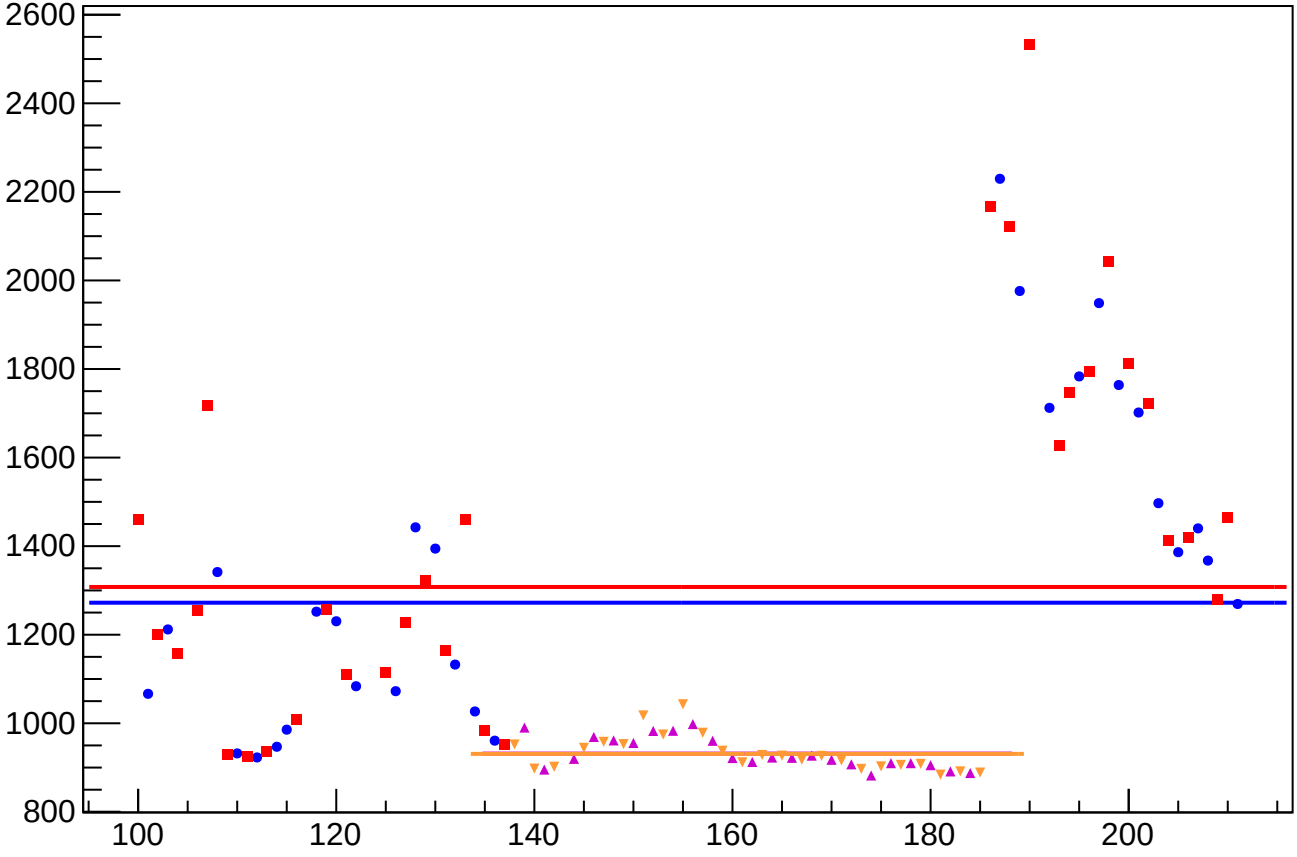
Left In: 267.059+/-217.685 χ^2/NDF:21.4/22

+ sign 333.139+/-179.305 χ^2/NDF: 62.8/51

All: 382.982+/-127.096 χ^2/NDF: 103.8/105

- sign 433.313+/-180.180 χ^2/NDF: 40.8/53

asym_us_dd_rms vs Slug



Right In: 1272.280+/-0.227 χ^2/NDF: 1667991.9/27

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

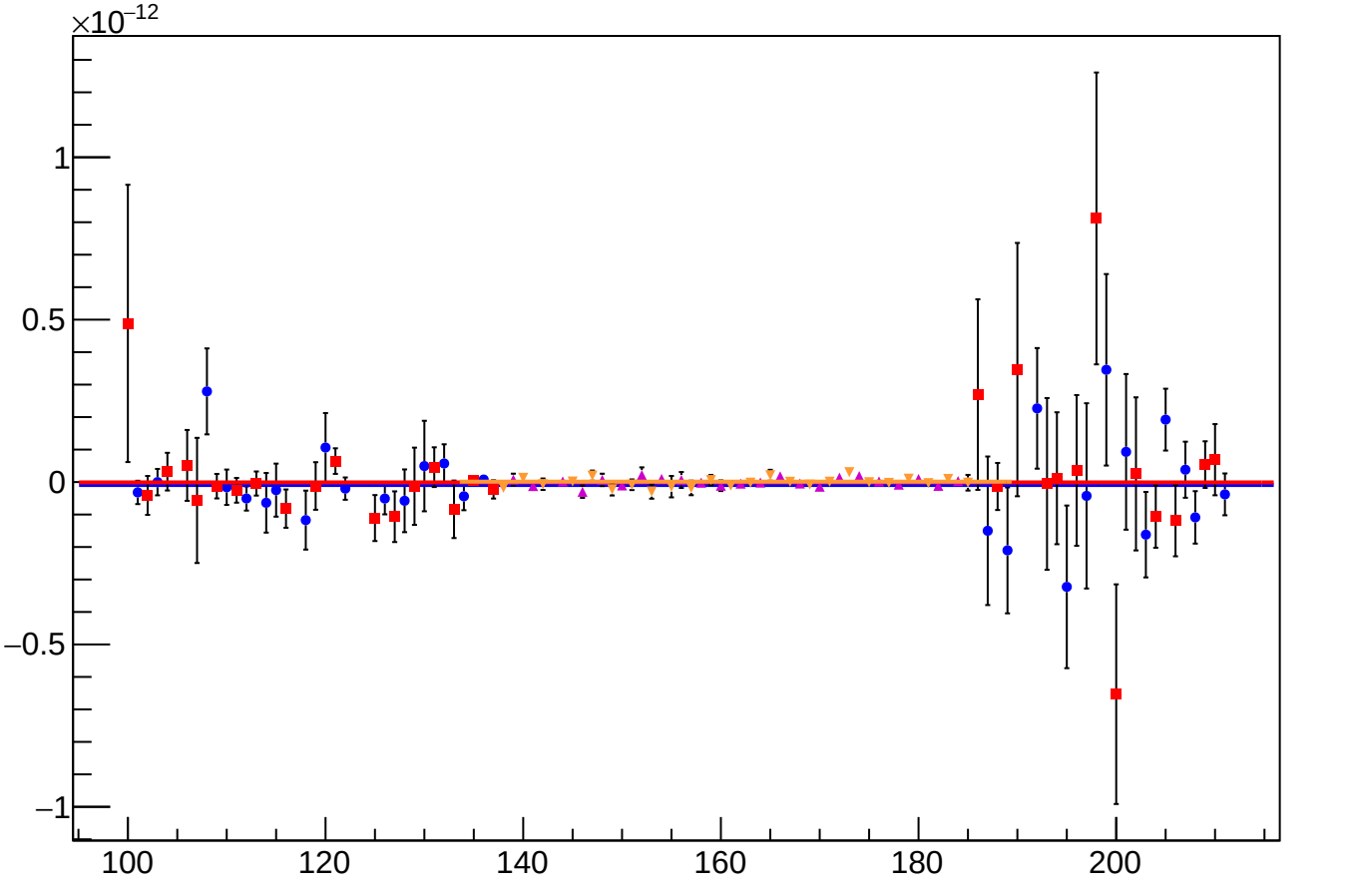
Right Out: 1307.805+/-0.227 χ^2/NDF: 2188532.0/30

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

+ sign 1037.683+/-0.127 χ^2/NDF: 3287992.3/51

All: 1043.831+/-0.090 χ^2/NDF: 7411535.8/10

- sign 1050.039+/-0.127 χ^2/NDF: 4118818.2/53



Right In: -0.000+/-0.000 χ^2/NDF: 28.0/27

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

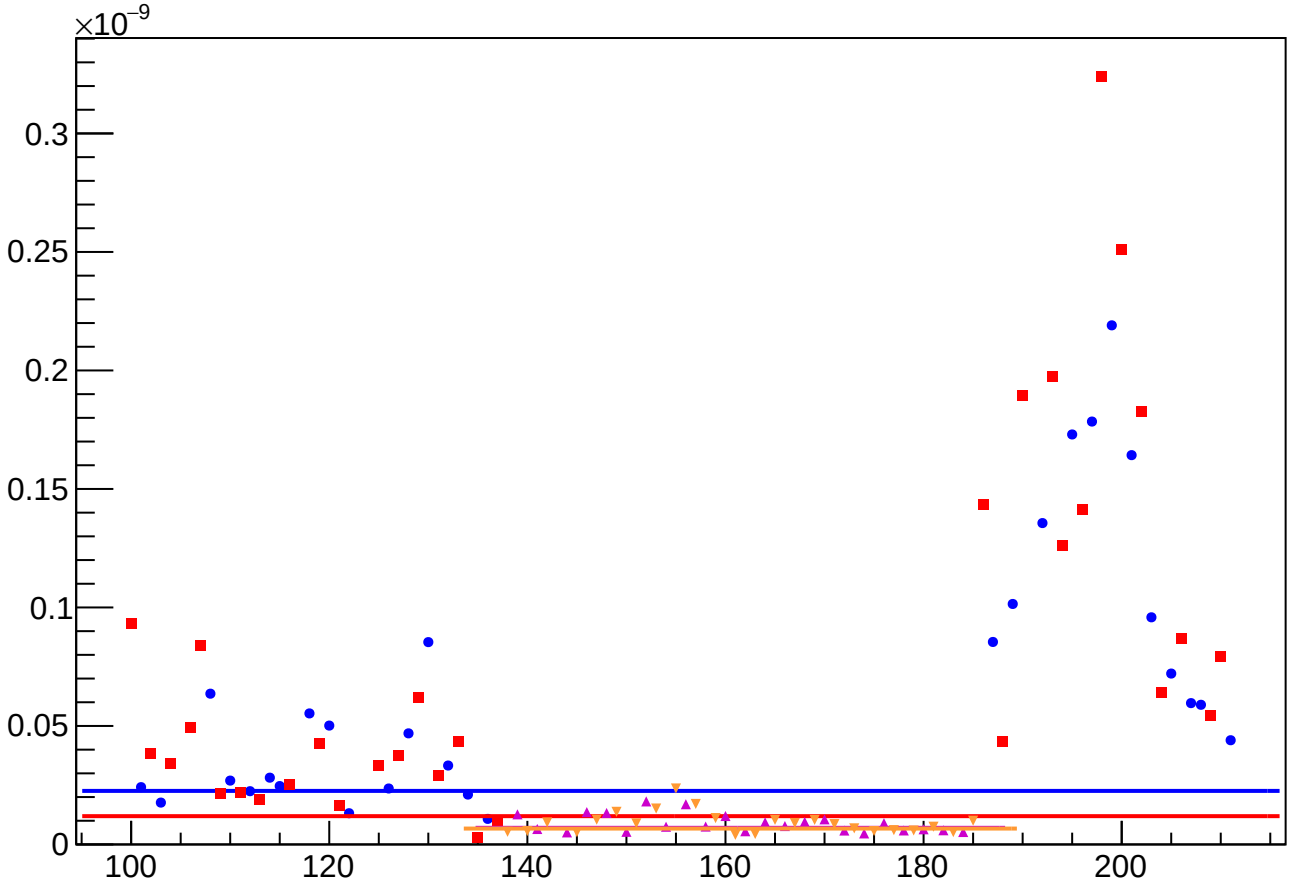
Right Out: -0.000+/-0.000 χ^2/NDF: 26.3/30

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

+ sign 0.000+/-0.000 χ^2/NDF: 54.7/51

All: 0.000+/-0.000 χ^2/NDF: 103.2/105

- sign 0.000+/-0.000 χ^2/NDF: 48.5/53



Right In: 0.000+/-0.000 χ^2/NDF: 8878849.2/27

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

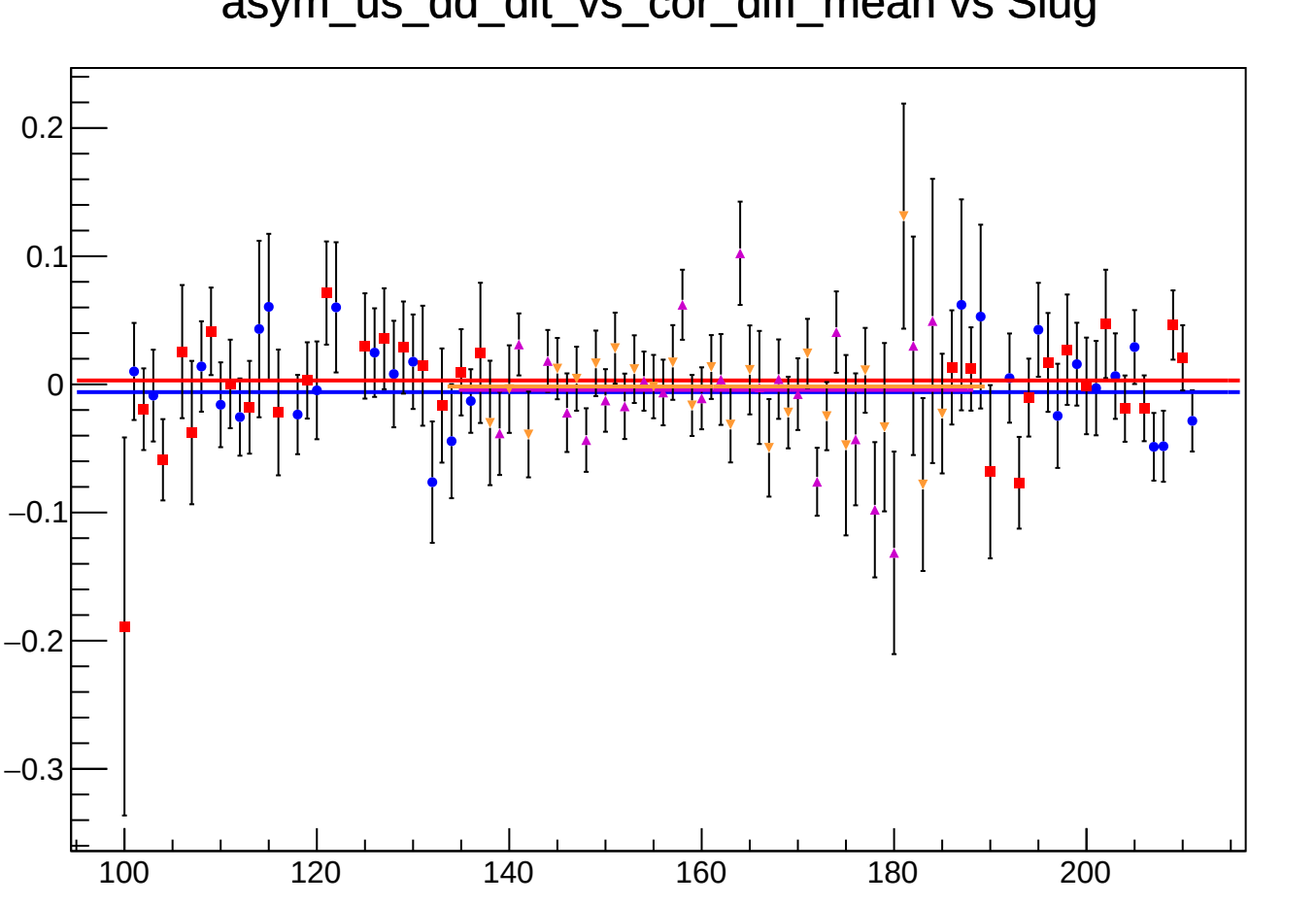
Right Out: 0.000+/-0.000 χ^2/NDF: 14827015.2/30

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

+ sign 0.000+/-0.000 χ^2/NDF: 16780525.1/51

All: 0.000+/-0.000 χ^2/NDF: 34906198.2/105

- sign 0.000+/-0.000 χ^2/NDF: 18125672.7/53



Right In: -0.006+/-0.007 χ^2/NDF: 20.6/27

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

Right Out: 0.003+/-0.007 χ^2/NDF: 25.9/30

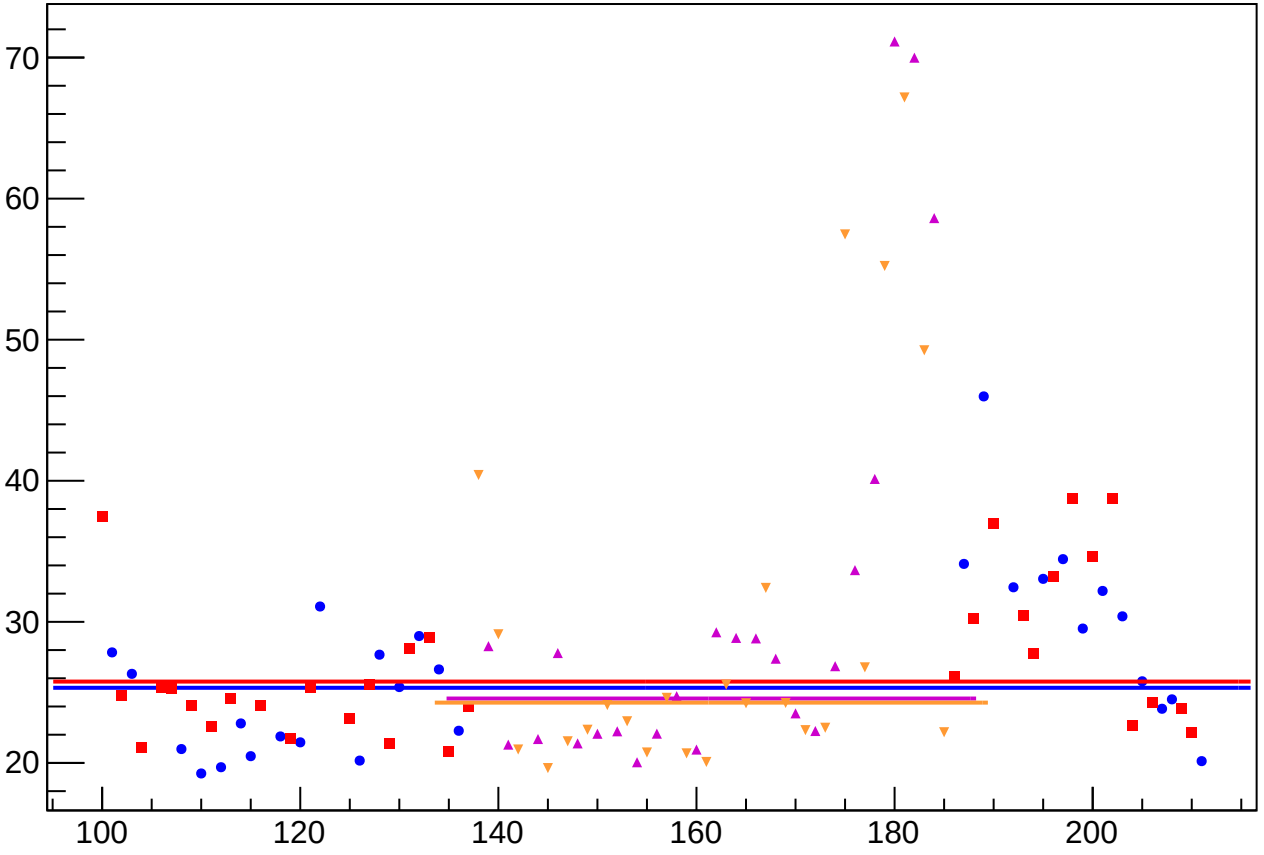
Left In: -0.004+/-0.006 χ^2/NDF:36.5/22

+ sign -0.004+/-0.005 χ^2/NDF: 35.4/51

All: -0.002+/-0.003 χ^2/NDF: 98.8/105

- sign -0.001+/-0.005 χ^2/NDF: 63.1/53

asym_us_dd_dit_vs_cor_diff_rms vs Slug



Right In: 25.326+/-0.005 χ^2/NDF: 1075667.6/27

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

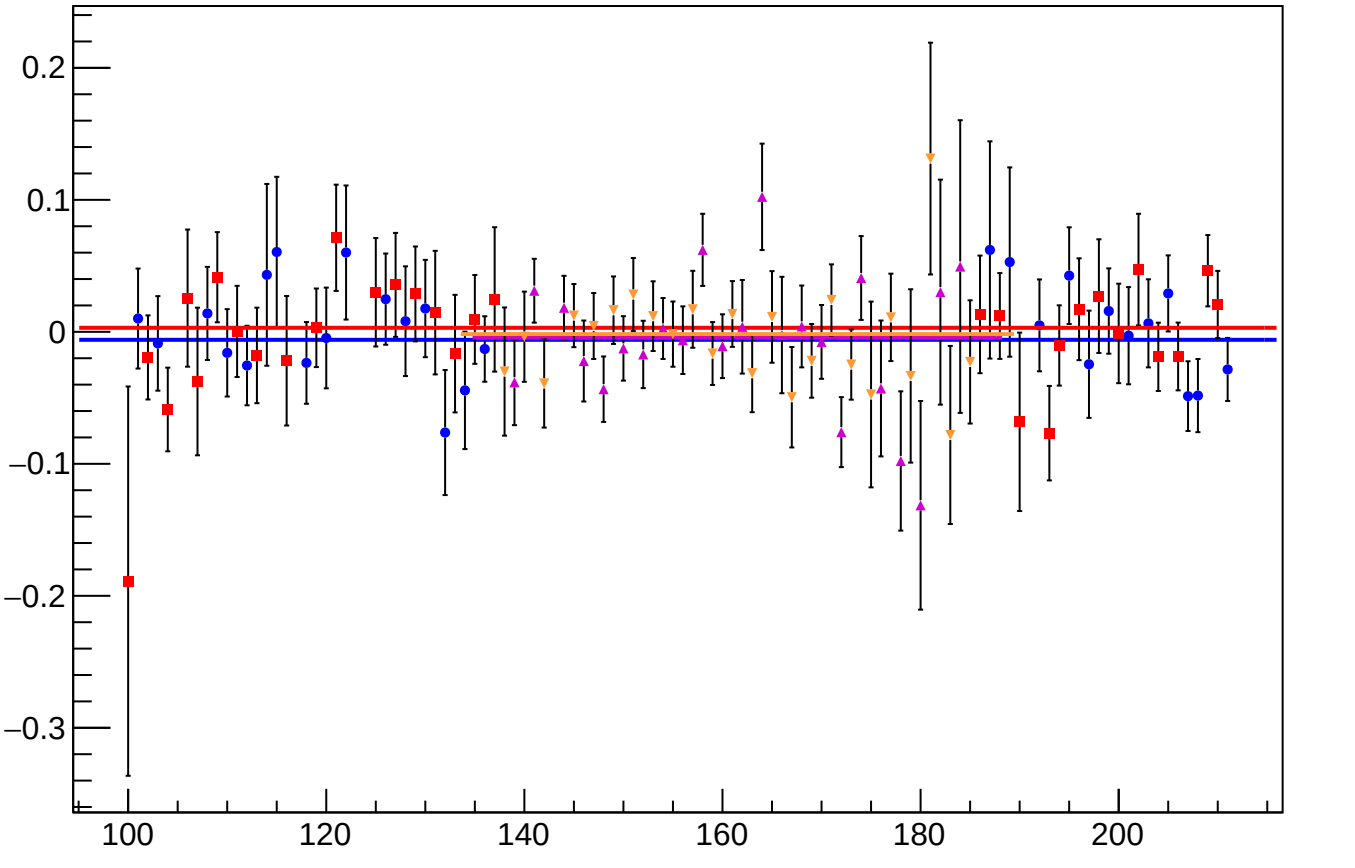
Right Out: 25.767+/-0.005 χ^2/NDF: 997356.9/30

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

+ sign 24.773+/-0.003 χ^2/NDF: 3412444.0/51

All: 24.964+/-0.002 χ^2/NDF: 6584178.4/105

- sign 25.153+/-0.003 χ^2/NDF: 3164887.4/53



Right In: -0.006+/-0.007 χ^2/NDF: 20.6/27

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

Right Out: 0.003+/-0.007 χ^2/NDF: 25.9/30

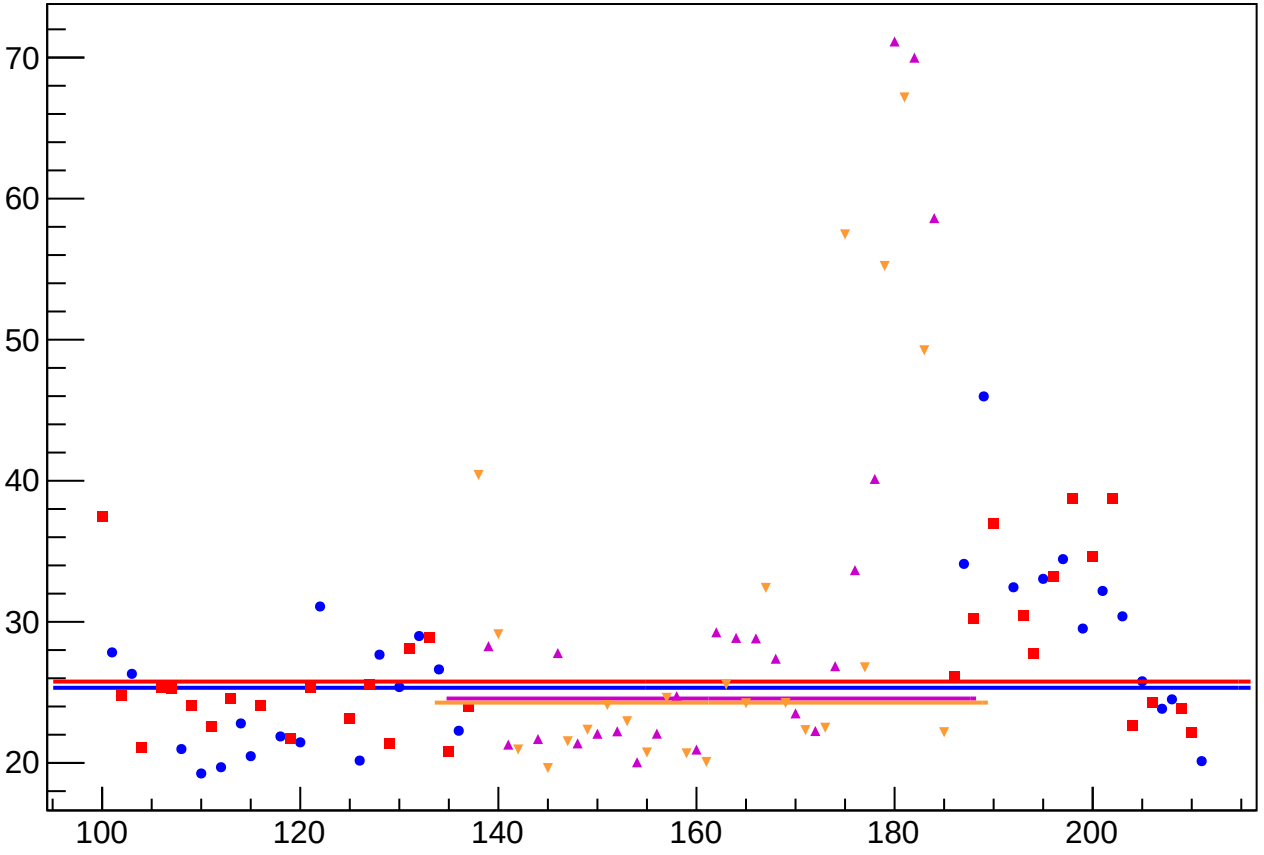
Left In: -0.004+/-0.006 χ^2/NDF:36.5/22

+ sign -0.004+/-0.005 χ^2/NDF: 35.4/51

All: -0.002+/-0.003 χ^2/NDF: 98.8/105

- sign -0.001+/-0.005 χ^2/NDF: 63.1/53

asym_us_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 25.326+/-0.005 χ^2/NDF: 1075667.6/27

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

Right Out: 25.767+/-0.005 χ^2/NDF: 997356.9/30

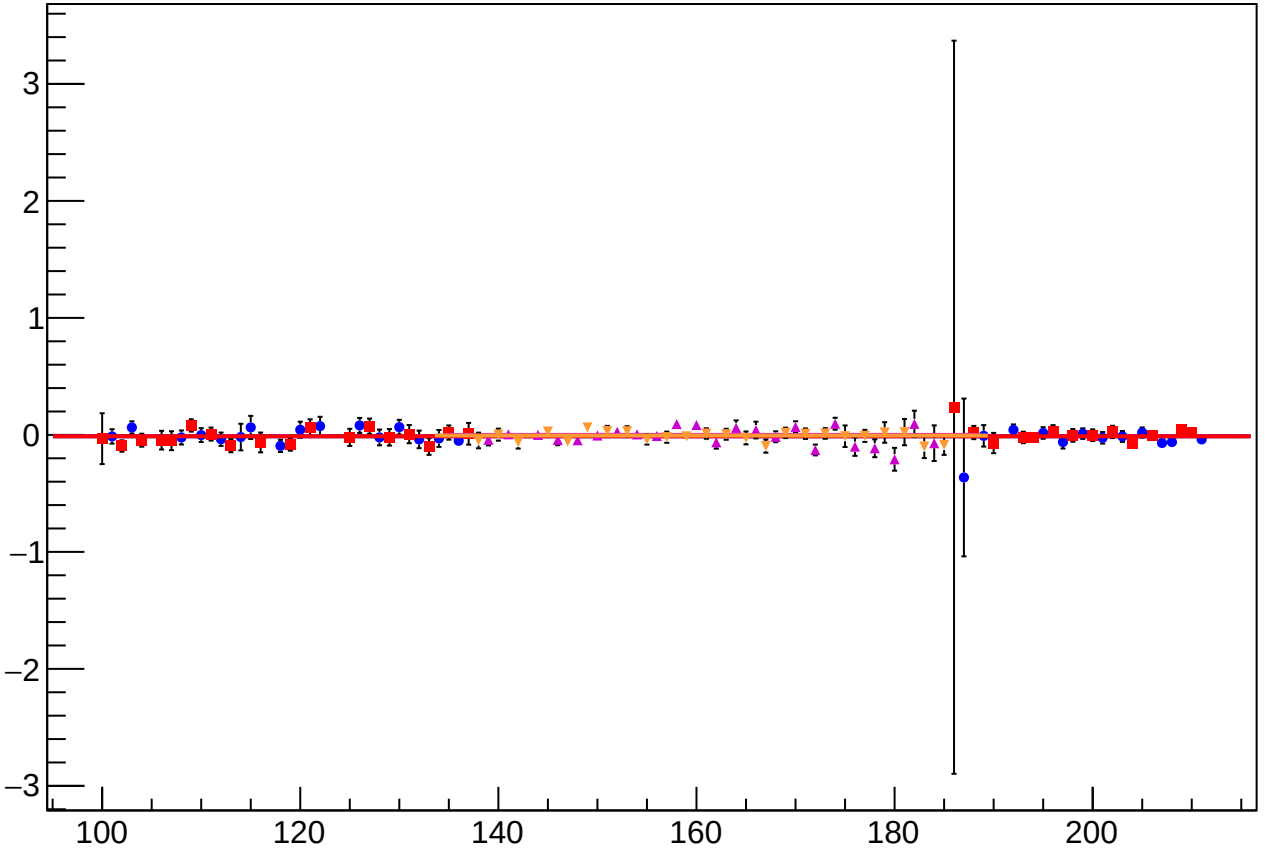
Left In: 24.565+/-0.005 χ^2/NDF:2132914.4/22

+ sign 24.773+/-0.003 χ^2/NDF: 3412444.0/51

All: 24.964+/-0.002 χ^2/NDF: 6584178.4/105

- sign 25.153+/-0.003 χ^2/NDF: 3164887.4/53

asym_us_dd_dit_vs_overload_cor_diff_mean vs Slug



Right In: -0.012+/-0.011 χ^2/NDF: 19.1/27

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

Right Out: -0.012+/-0.010 χ^2/NDF: 23.0/30

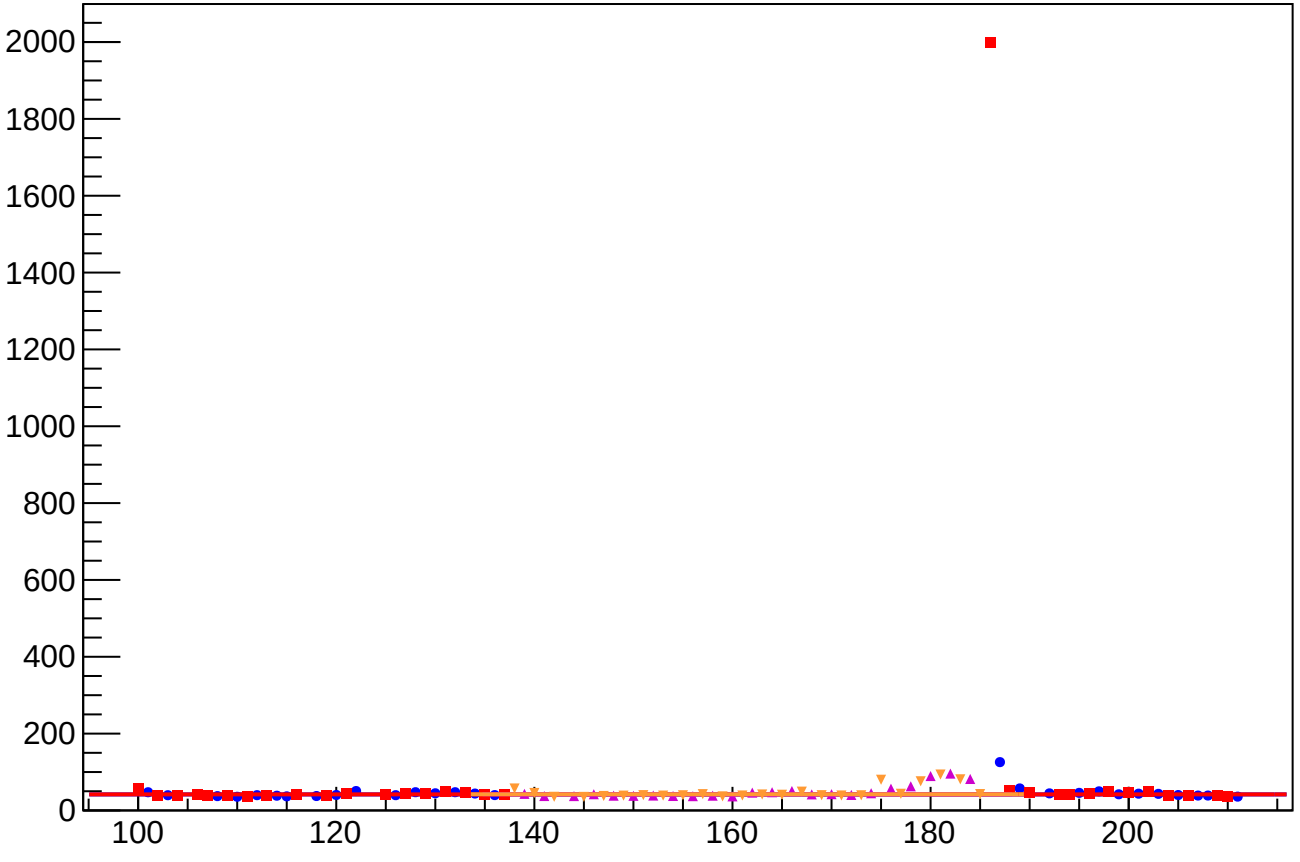
Left In: -0.000+/-0.010 χ^2/NDF:37.9/22

+ sign -0.008+/-0.007 χ^2/NDF: 33.2/51

All: -0.007+/-0.005 χ^2/NDF: 94.8/105

- sign -0.006+/-0.007 χ^2/NDF: 61.5/53

asym_us_dd_dit_vs_overload_cor_diff_rms vs Slug



Right In: 41.702+/-0.007 χ^2/NDF: 353013.8/27

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

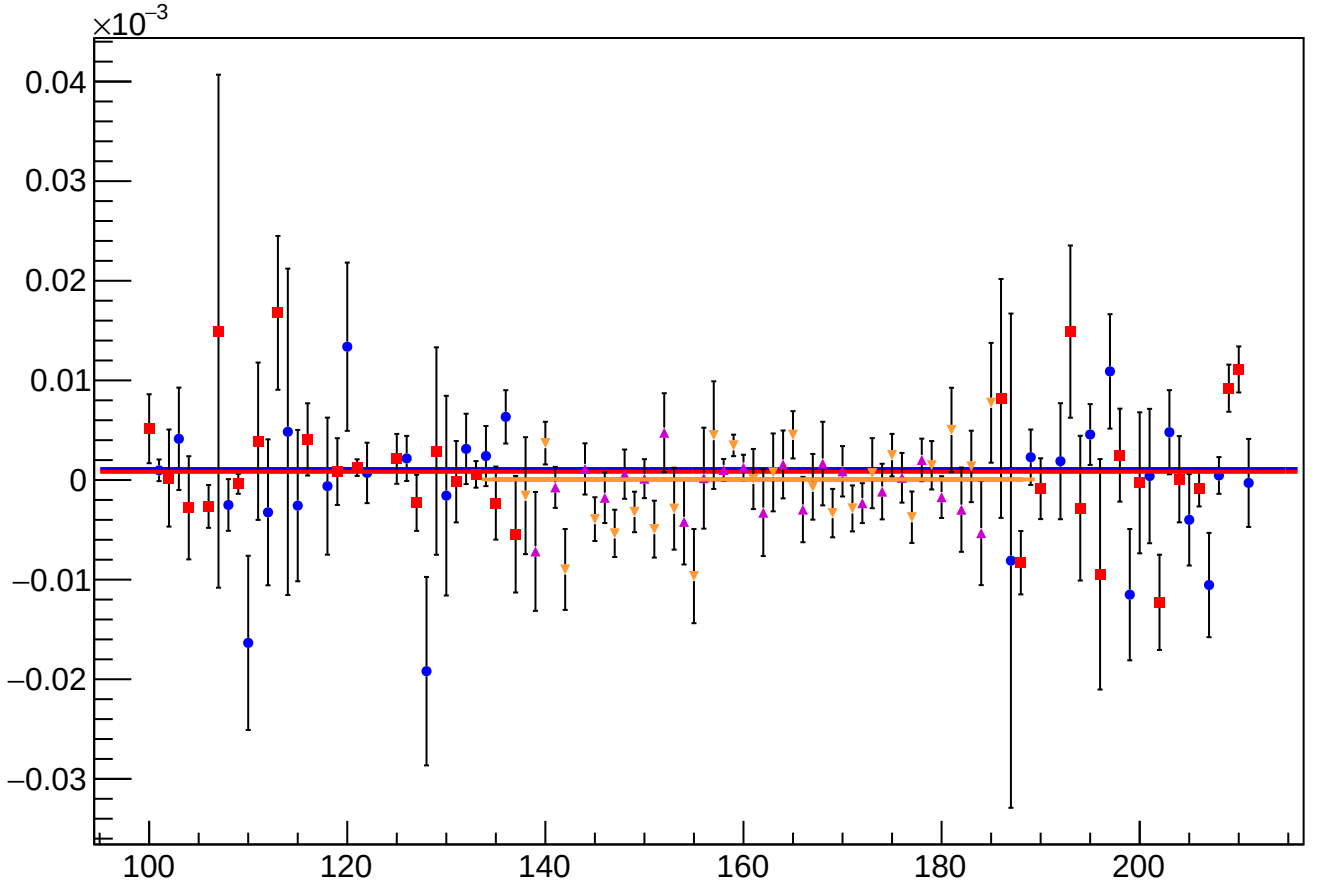
Right Out: 41.857+/-0.007 χ^2/NDF: 1105113.9/30

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

+ sign 41.898+/-0.005 χ^2/NDF: 2070419.4/51

All: 41.933+/-0.004 χ^2/NDF: 4719576.9/105

- sign 41.967+/-0.005 χ^2/NDF: 2649071.1/53



Right In: 0.000+/-0.000 χ^2/NDF: 33.7/27

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

Right Out: 0.000+/-0.000 χ^2/NDF: 69.0/30

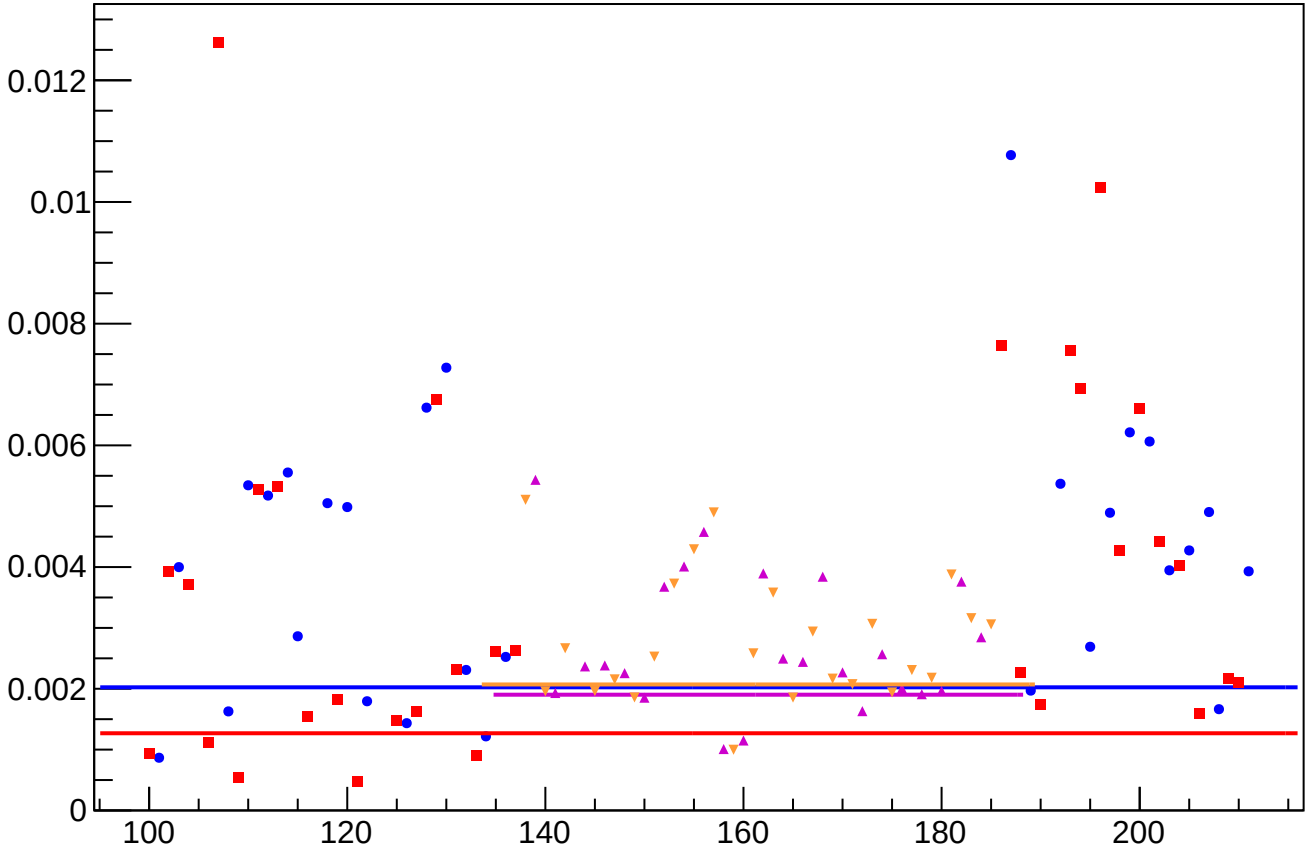
Left In: 0.000+/-0.000 χ^2/NDF:13.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 87.0/51

All: 0.000+/-0.000 χ^2/NDF: 170.3/105

- sign 0.000+/-0.000 χ^2/NDF: 83.3/53

asym_us_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 10395472.4/27

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

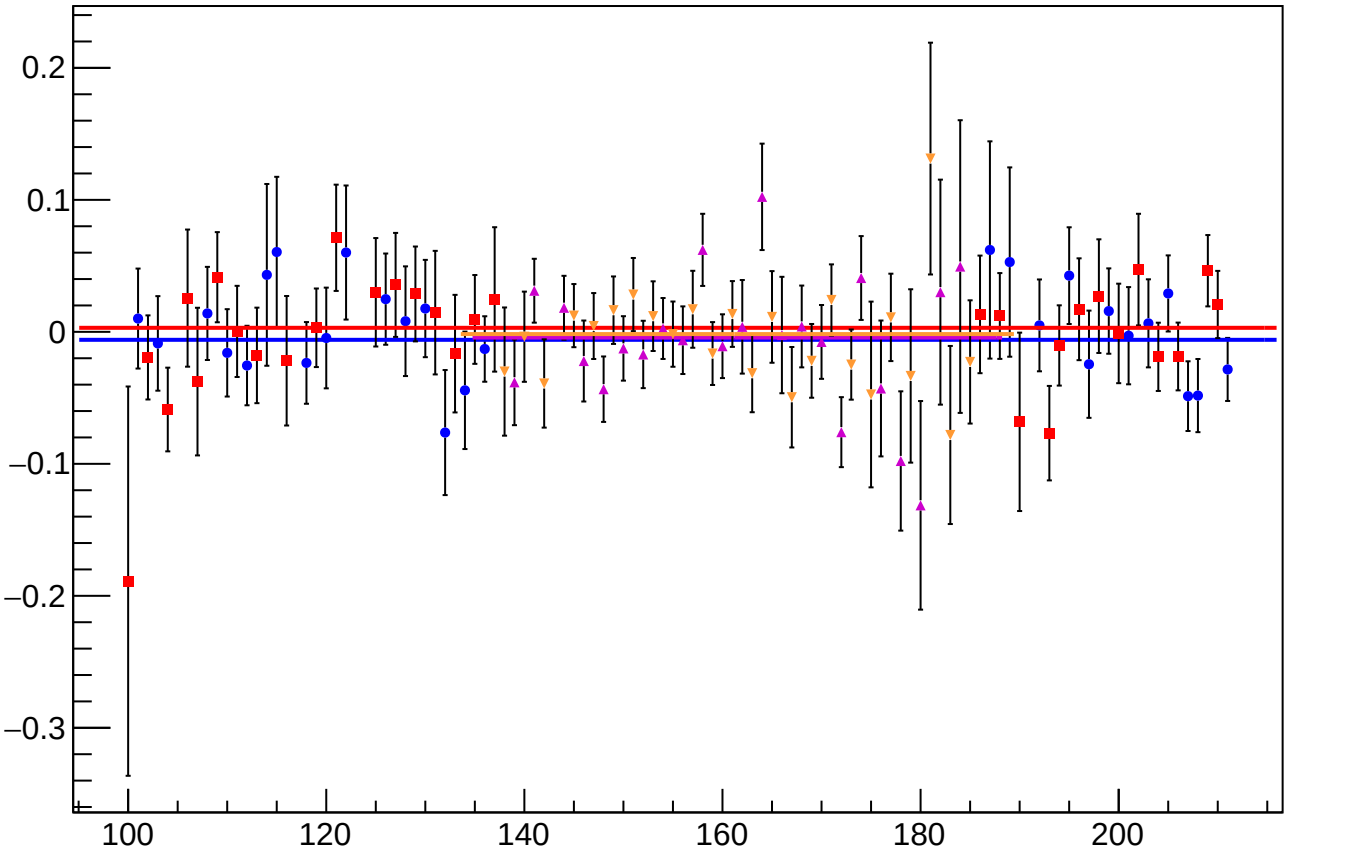
Right Out: 0.001+/-0.000 χ^2/NDF: 15292759.2/30

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

+ sign 0.002+/-0.000 χ^2/NDF: 15665341.2/51

All: 0.002+/-0.000 χ^2/NDF: 40595118.9/105

- sign 0.002+/-0.000 χ^2/NDF: 23059930.5/53



Right In: -0.006+/-0.007 χ^2/NDF: 20.6/27

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

Right Out: 0.003+/-0.007 χ^2/NDF: 25.9/30

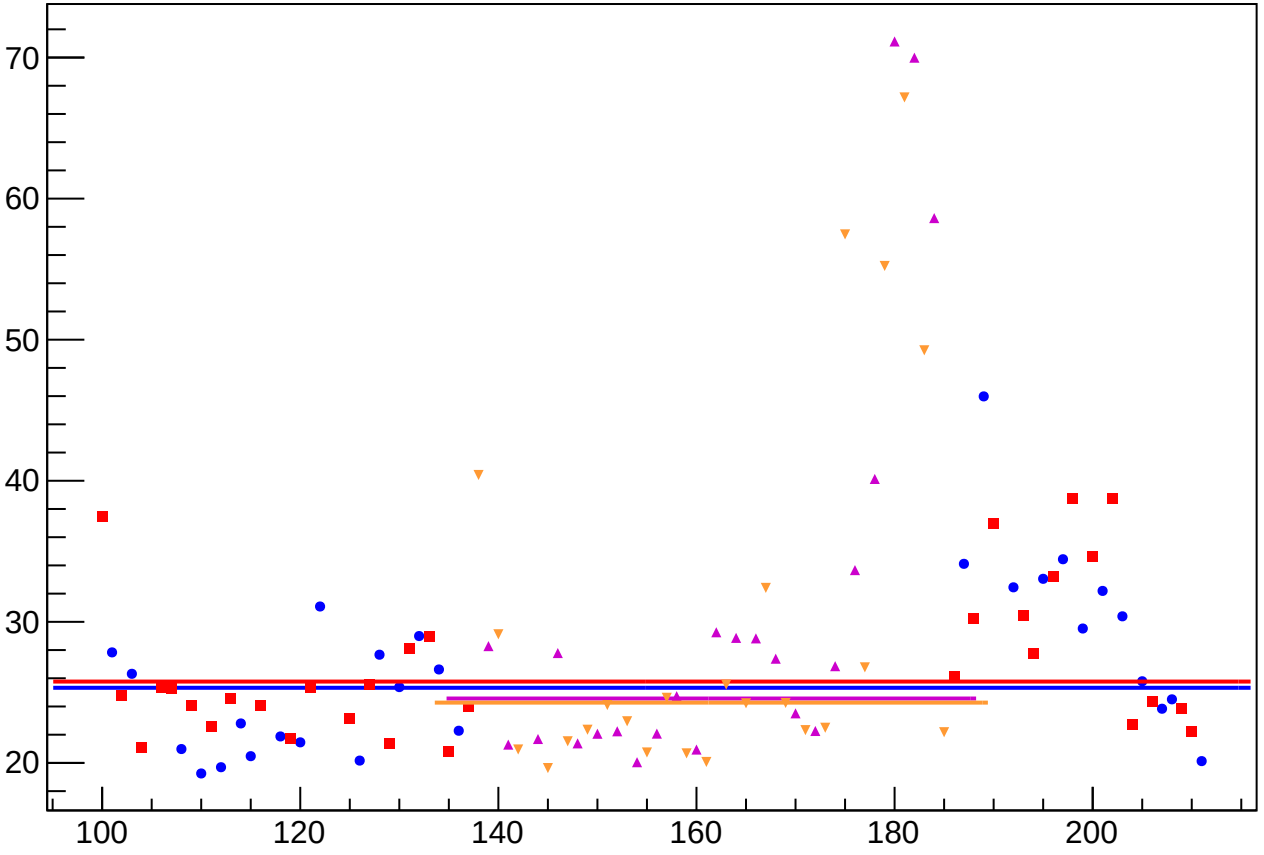
Left In: -0.004+/-0.006 χ^2/NDF:36.5/22

+ sign -0.004+/-0.005 χ^2/NDF: 35.4/51

All: -0.002+/-0.003 χ^2/NDF: 98.8/105

- sign -0.001+/-0.005 χ^2/NDF: 63.1/53

asym_us_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 25.326+/-0.005 χ^2/NDF: 1075601.0/27

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

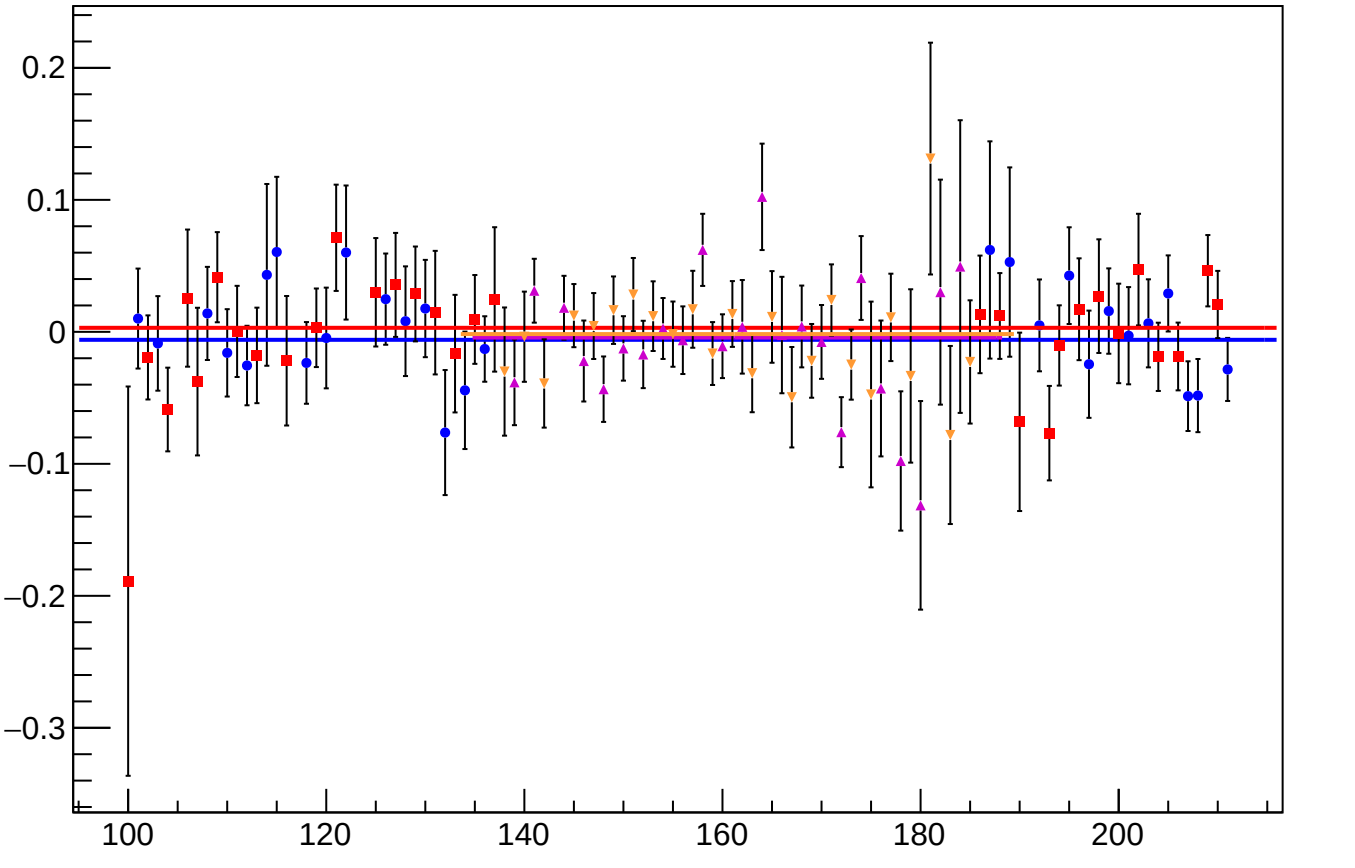
Right Out: 25.767+/-0.005 χ^2/NDF: 997277.0/30

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

+ sign 24.773+/-0.003 χ^2/NDF: 3412368.8/51

All: 24.964+/-0.002 χ^2/NDF: 6583898.1/105

- sign 25.153+/-0.003 χ^2/NDF: 3164669.4/53



Right In: -0.006+/-0.007 χ^2/NDF: 20.6/27

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

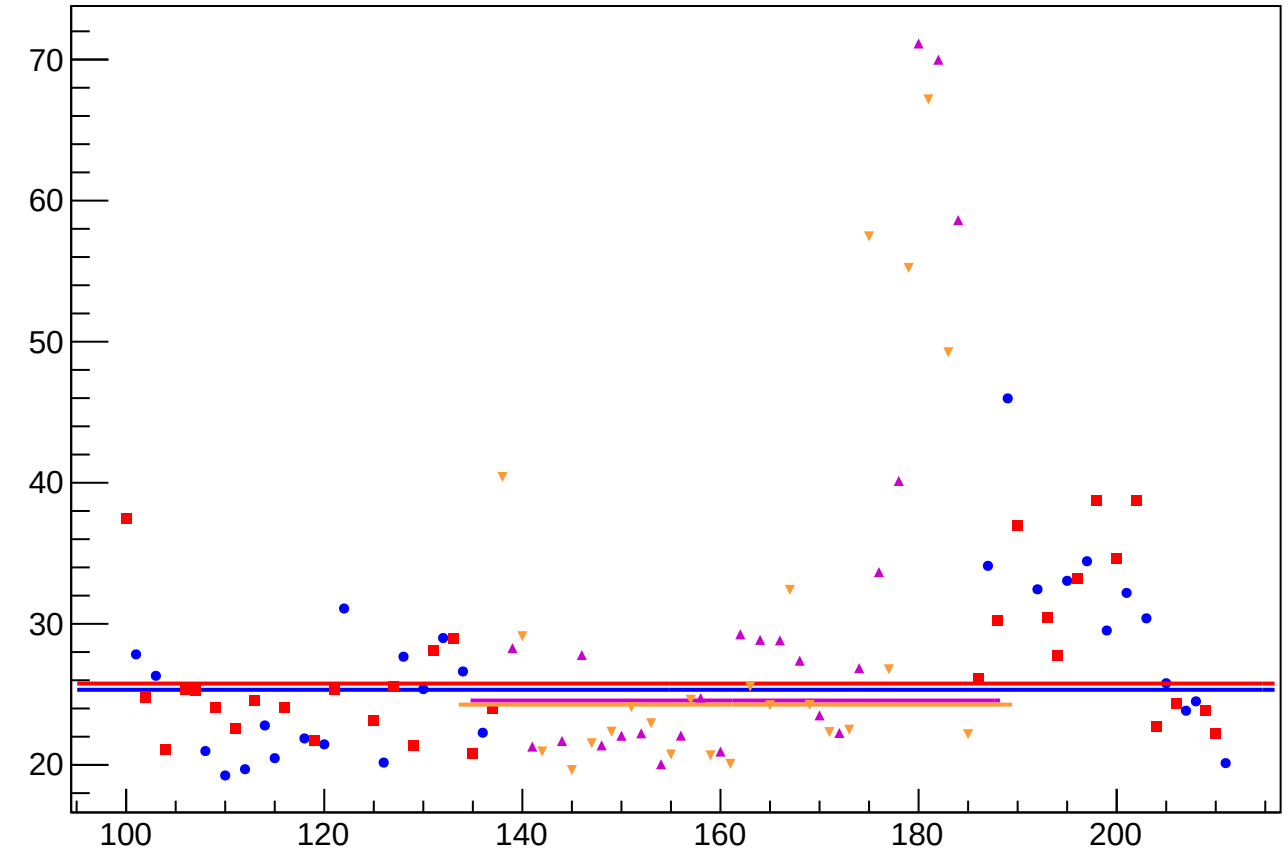
Right Out: 0.003+/-0.007 χ^2/NDF: 25.9/30

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

+ sign -0.004+/-0.005 χ^2/NDF: 35.4/51

All: -0.002+/-0.003 χ^2/NDF: 98.8/105

- sign -0.001+/-0.005 χ^2/NDF: 63.1/53



Right In: 25.326+/-0.005 χ^2/NDF: 1075601.0/27

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

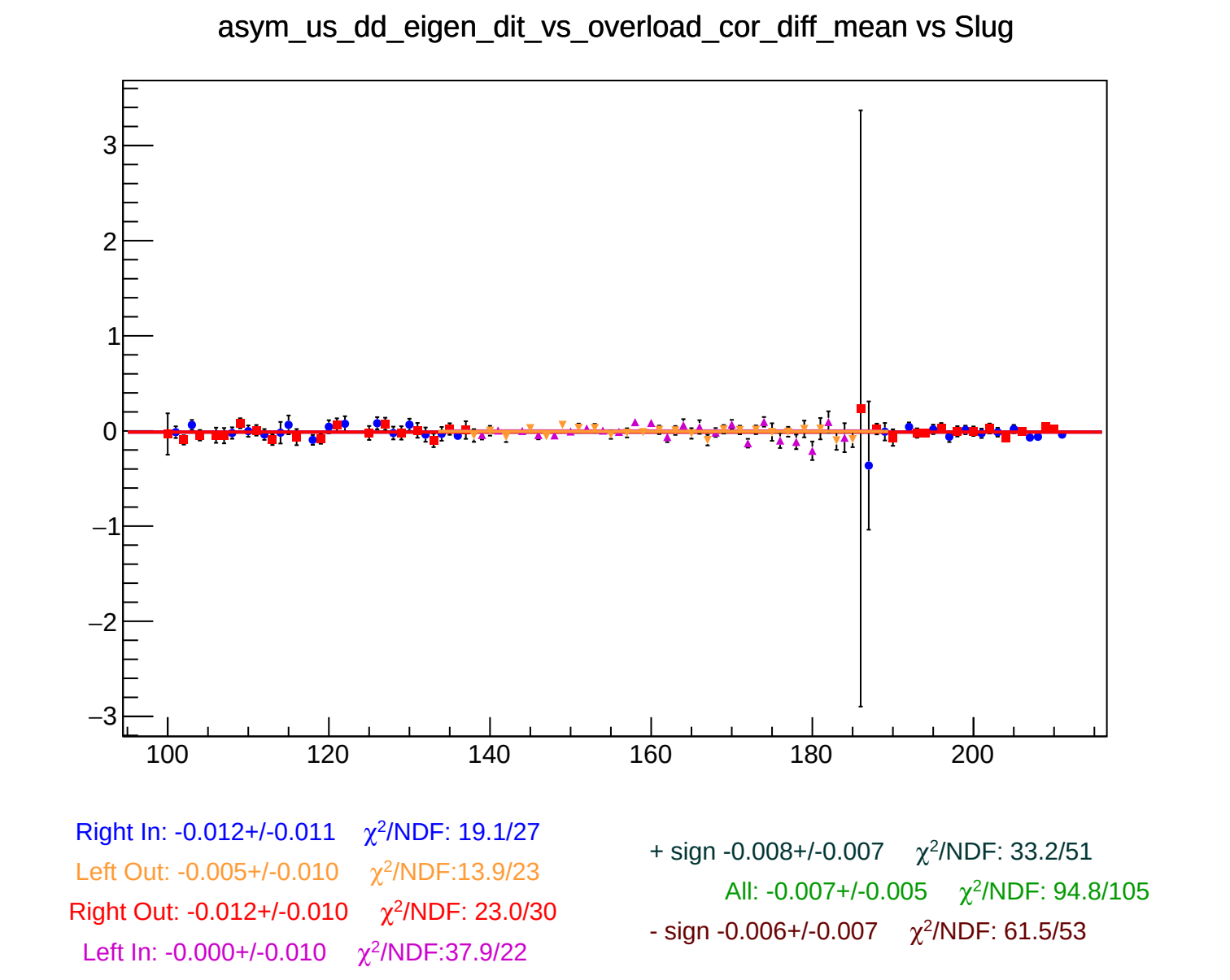
Right Out: 25.767+/-0.005 χ^2/NDF: 997277.0/30

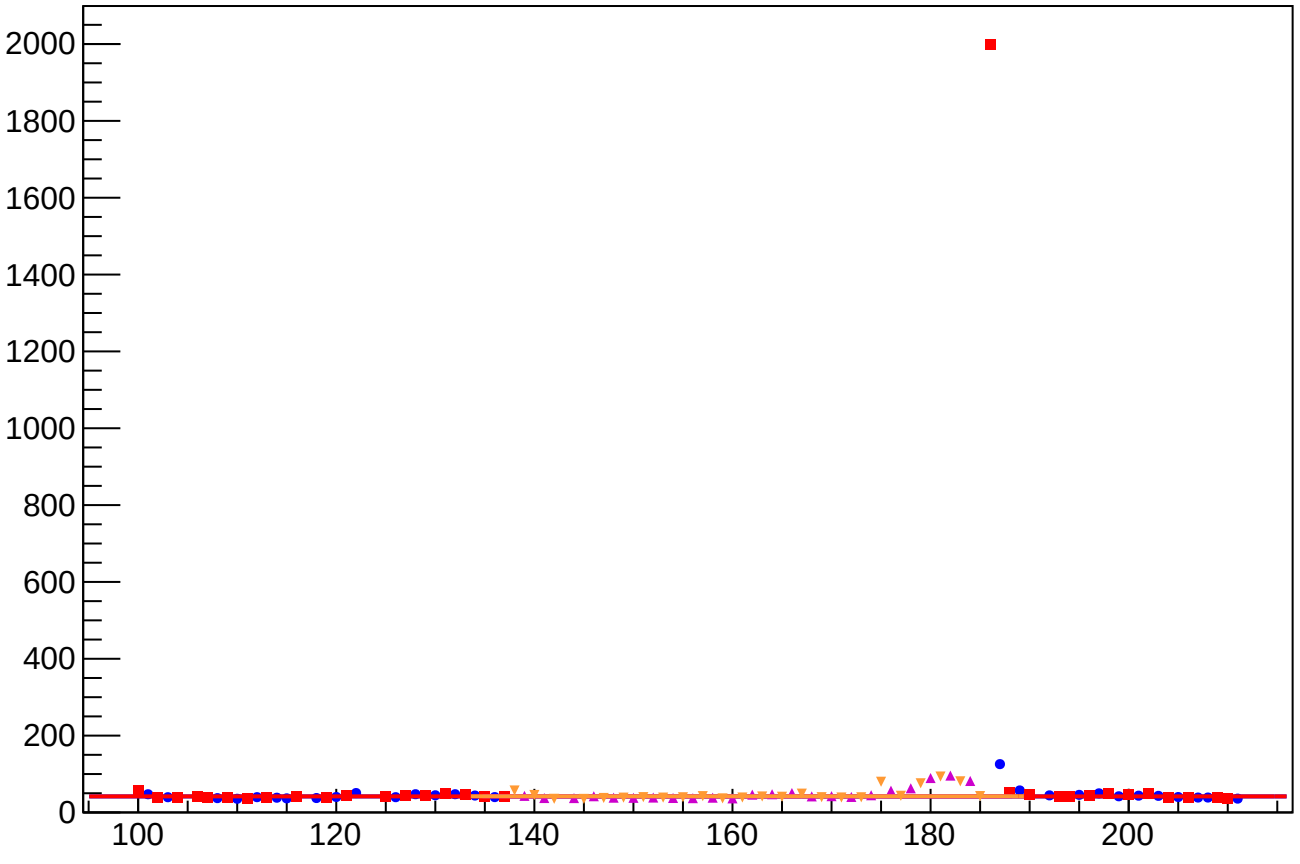
Left In: 24.565+/-0.005 χ^2/NDF:2132779.0/22

+ sign 24.773+/-0.003 χ^2/NDF: 3412368.8/51

All: 24.964+/-0.002 χ^2/NDF: 6583898.1/105

- sign 25.153+/-0.003 χ^2/NDF: 3164669.4/53


asym_us_dd_eigen_dit_vs_overload_cor_diff_mean vs Slug
3
2
1
0
−1
−2
−3
100
120
140
160
180
200
Right In: -0.012+/-0.011 χ²/NDF: 19.1/27
Left Out: -0.005+/-0.010 χ²/NDF:13.9/23
Right Out: -0.012+/-0.010 χ²/NDF: 23.0/30
Left In: -0.000+/-0.010 χ²/NDF:37.9/22
+ sign -0.008+/-0.007 χ²/NDF: 33.2/51
All: -0.007+/-0.005 χ²/NDF: 94.8/105
- sign -0.006+/-0.007 χ²/NDF: 61.5/53



Right In: 41.702+/-0.007 χ^2/NDF: 352958.5/27

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

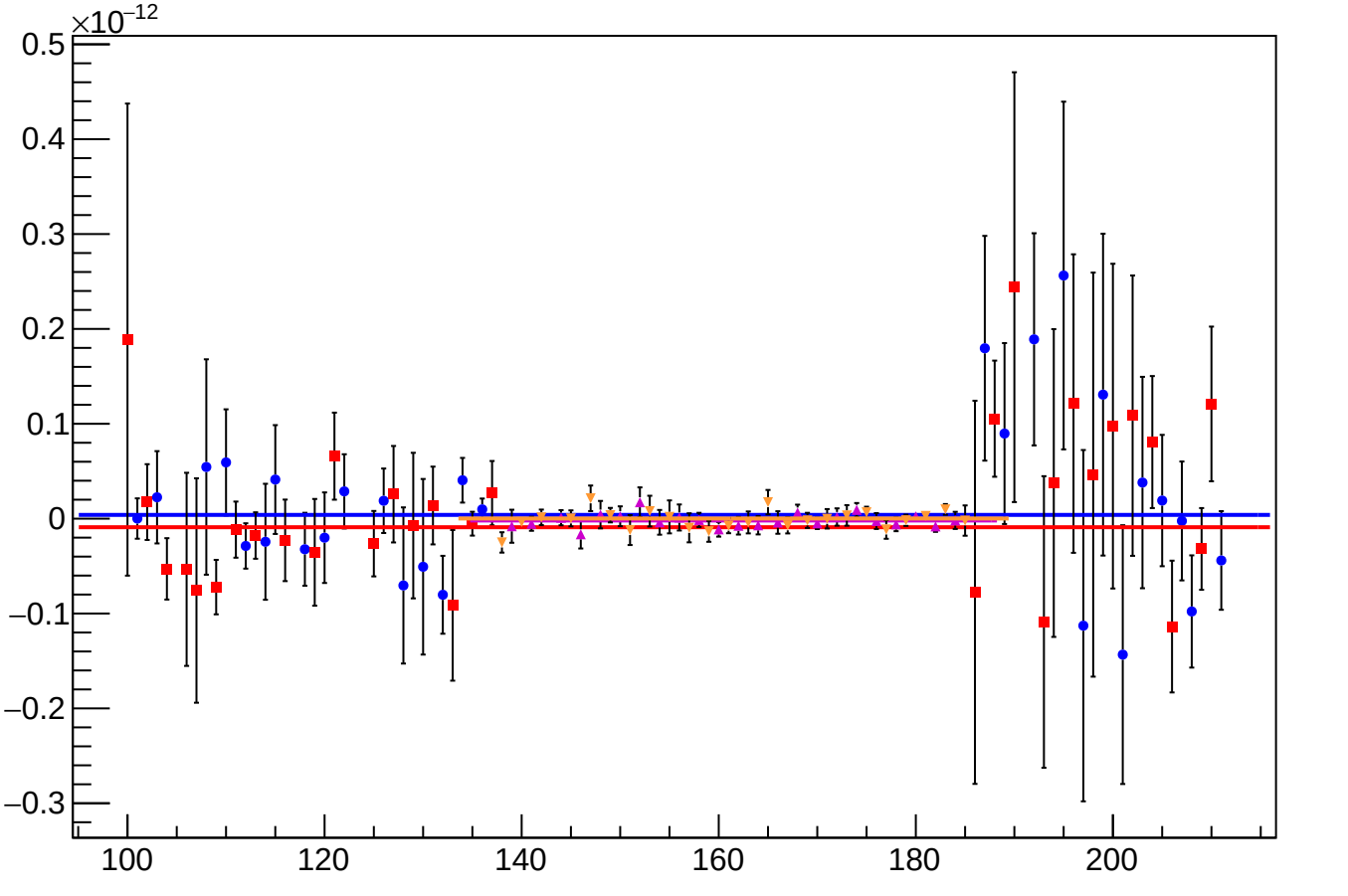
Right Out: 41.857+/-0.007 χ^2/NDF: 1105106.8/30

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

+ sign 41.898+/-0.005 χ^2/NDF: 2070355.2/51

All: 41.933+/-0.004 χ^2/NDF: 4719481.8/105

- sign 41.967+/-0.005 χ^2/NDF: 2649040.1/53



Right In: 0.000+/-0.000 χ^2/NDF: 27.4/27

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

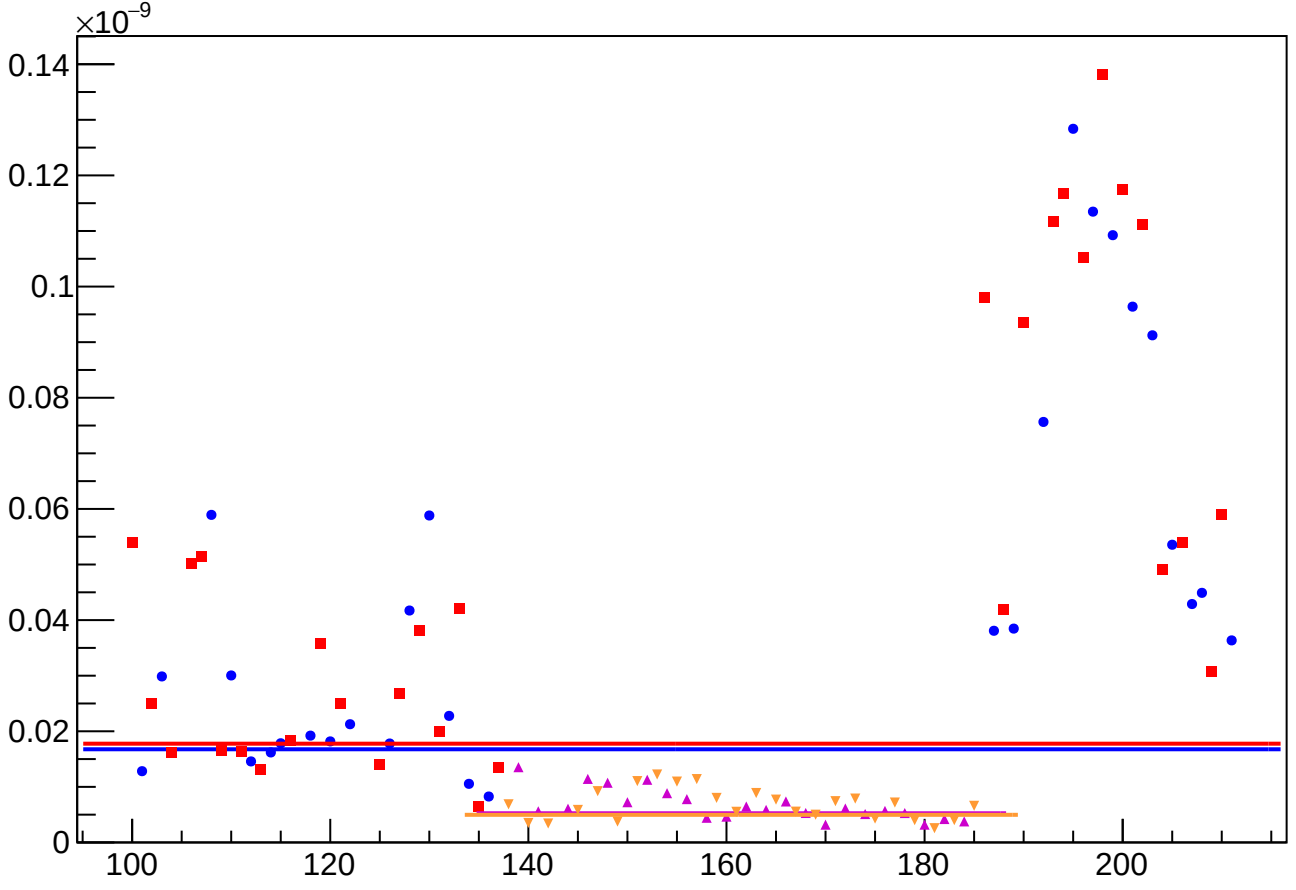
Right Out: -0.000+/-0.000 χ^2/NDF: 28.6/30

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

+ sign 0.000+/-0.000 χ^2/NDF: 48.8/51

All: -0.000+/-0.000 χ^2/NDF: 91.3/105

- sign -0.000+/-0.000 χ^2/NDF: 41.2/53



Right In: 0.000+/-0.000 χ^2/NDF: 8383317.4/27

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

Right Out: 0.000+/-0.000 χ^2/NDF: 9604333.0/30

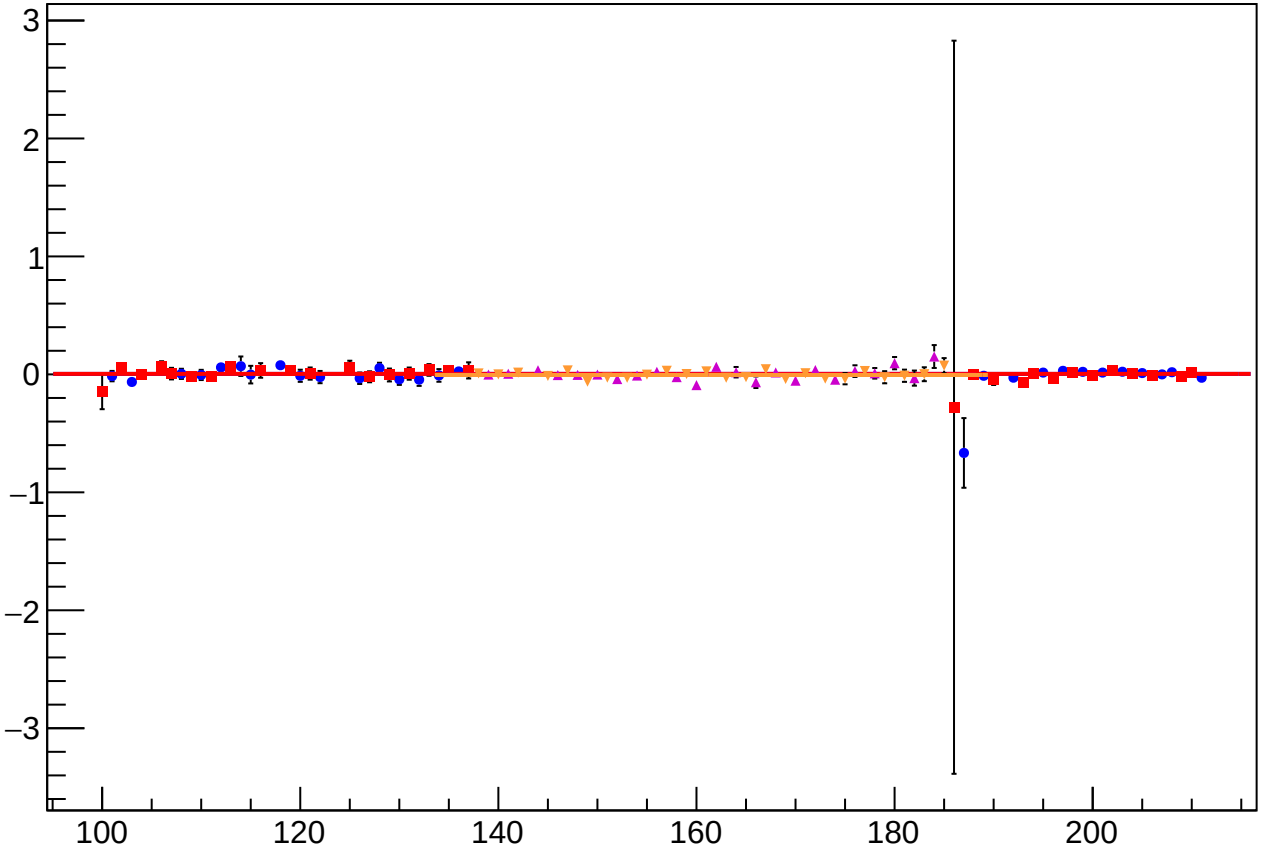
Left In: 0.000+/-0.000 χ^2/NDF:2618852.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 17182796.0/51

All: 0.000+/-0.000 χ^2/NDF: 34823104.3/105

- sign 0.000+/-0.000 χ^2/NDF: 17606726.7/53

asym_us_dd_overload_cor_vs_cor_diff_mean vs Slug



Right In: 0.004+/-0.007 χ^2/NDF: 25.7/27

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

Right Out: 0.004+/-0.007 χ^2/NDF: 23.5/30

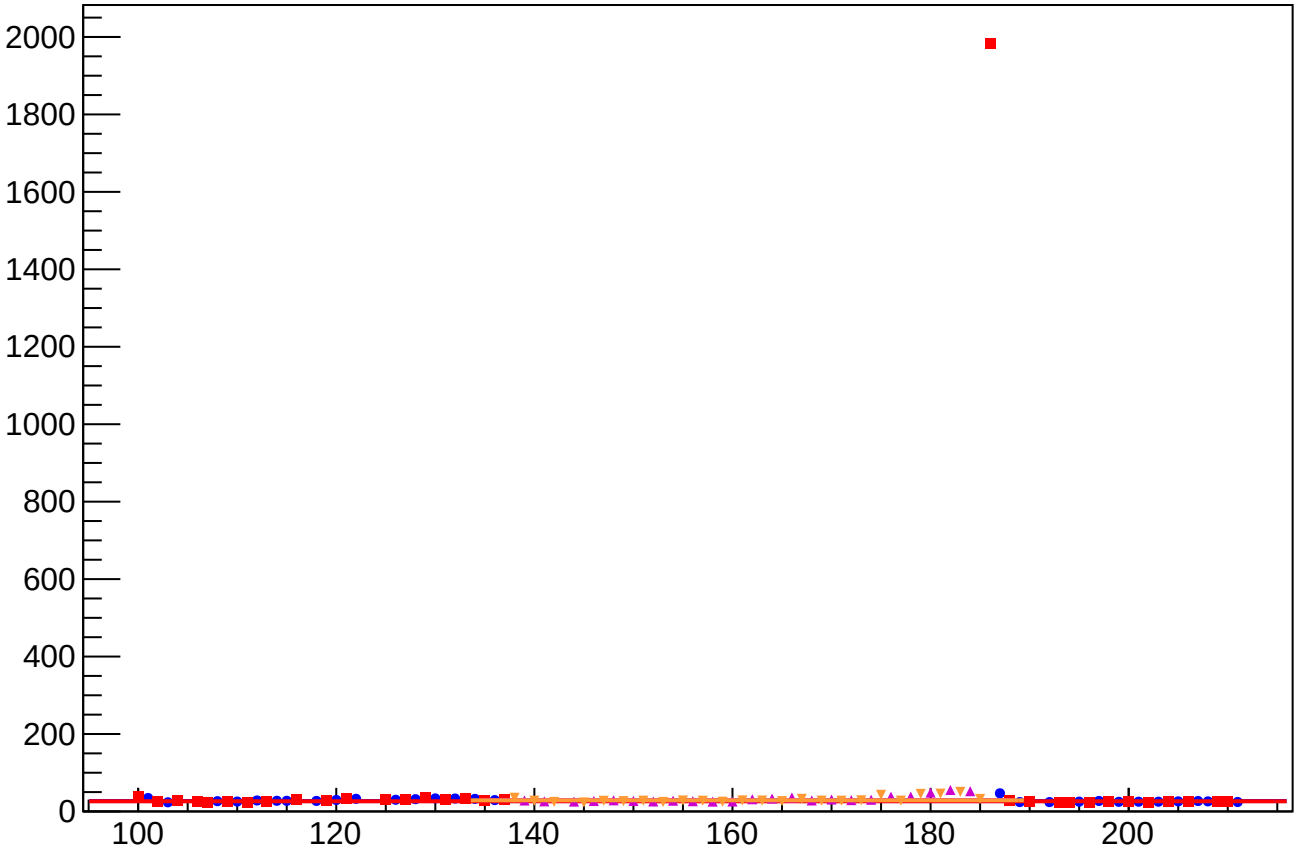
Left In: -0.004+/-0.007 χ^2/NDF:31.2/22

+ sign -0.001+/-0.005 χ^2/NDF: 43.3/51

All: -0.000+/-0.003 χ^2/NDF: 98.8/105

- sign 0.000+/-0.005 χ^2/NDF: 55.5/53

asym_us_dd_overload_cor_vs_cor_diff_rms vs Slug



Right In: 26.838+/-0.005 χ^2/NDF: 346454.1/27

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

Right Out: 26.315+/-0.005 χ^2/NDF: 1109513.4/30

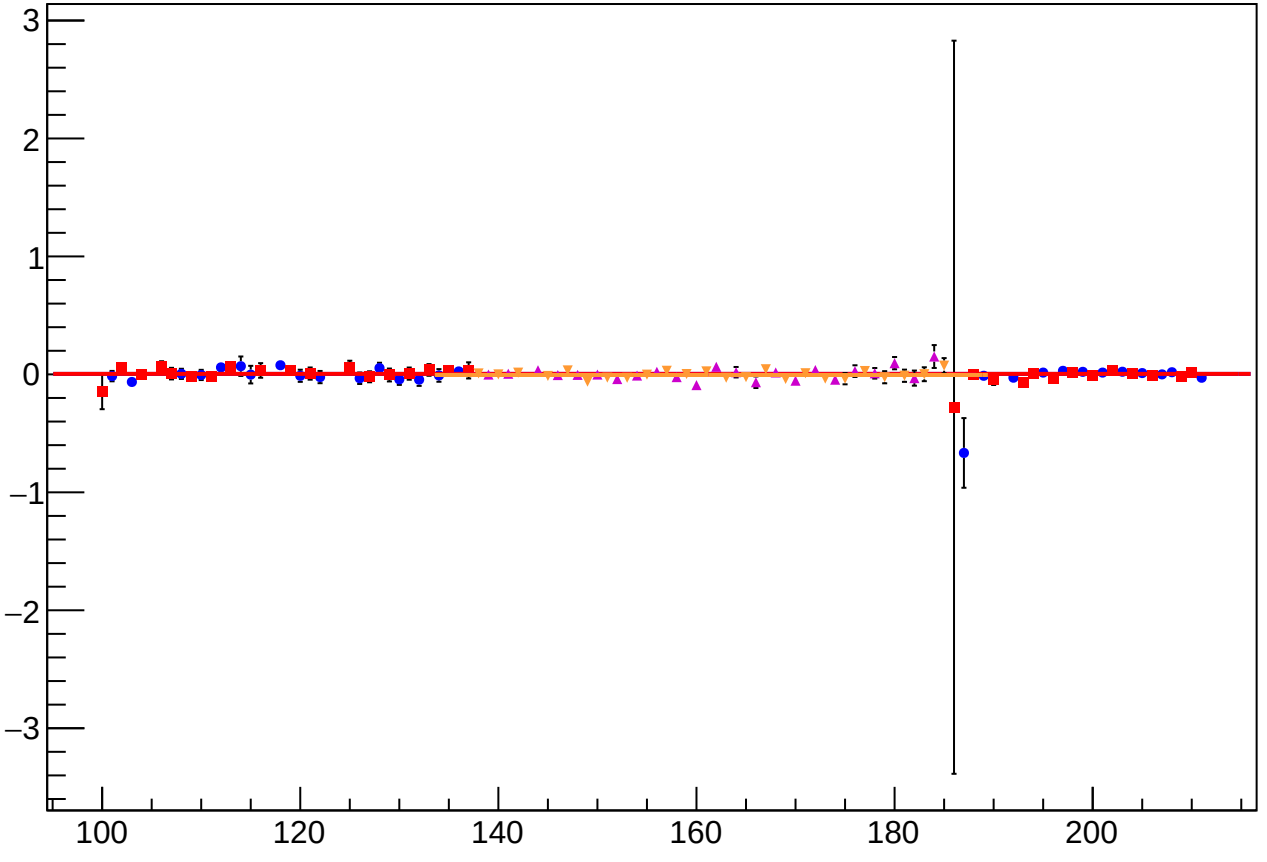
Left In: 29.255+/-0.005 χ^2/NDF:1140337.0/22

+ sign 27.786+/-0.003 χ^2/NDF: 1594665.3/51

All: 27.725+/-0.002 χ^2/NDF: 4026297.5/105

- sign 27.666+/-0.003 χ^2/NDF: 2431032.7/53

asym_us_dd_overload_cor_vs_eigen_cor_diff_mean vs Slug



Right In: 0.004+/-0.007 χ^2/NDF: 25.7/27

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

Right Out: 0.004+/-0.007 χ^2/NDF: 23.5/30

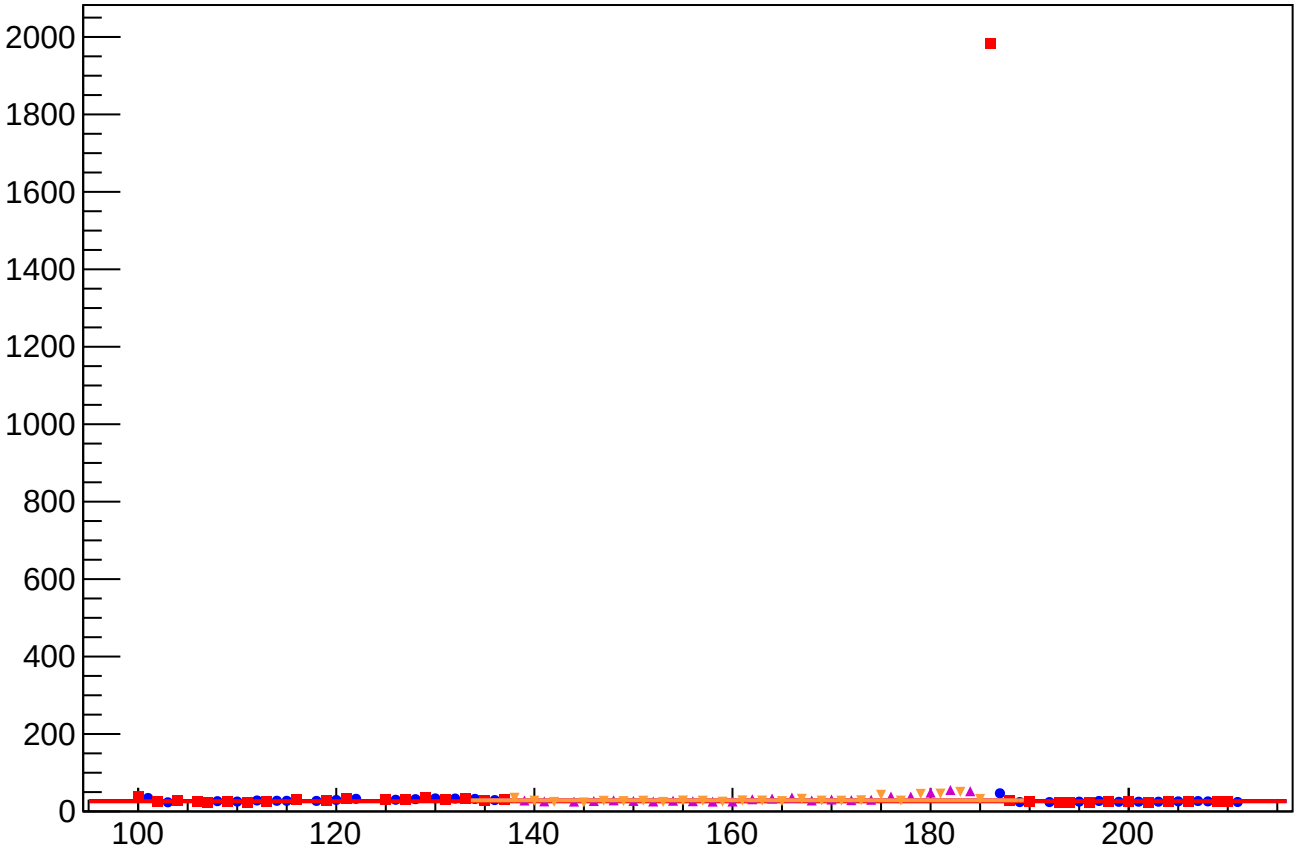
Left In: -0.004+/-0.007 χ^2/NDF:31.2/22

+ sign -0.001+/-0.005 χ^2/NDF: 43.3/51

All: -0.000+/-0.003 χ^2/NDF: 98.8/105

- sign 0.000+/-0.005 χ^2/NDF: 55.5/53

asym_us_dd_overload_cor_vs_eigen_cor_diff_rms vs Slug



Right In: 26.838+/-0.005 χ^2/NDF: 346454.1/27

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

Right Out: 26.315+/-0.005 χ^2/NDF: 1109513.4/30

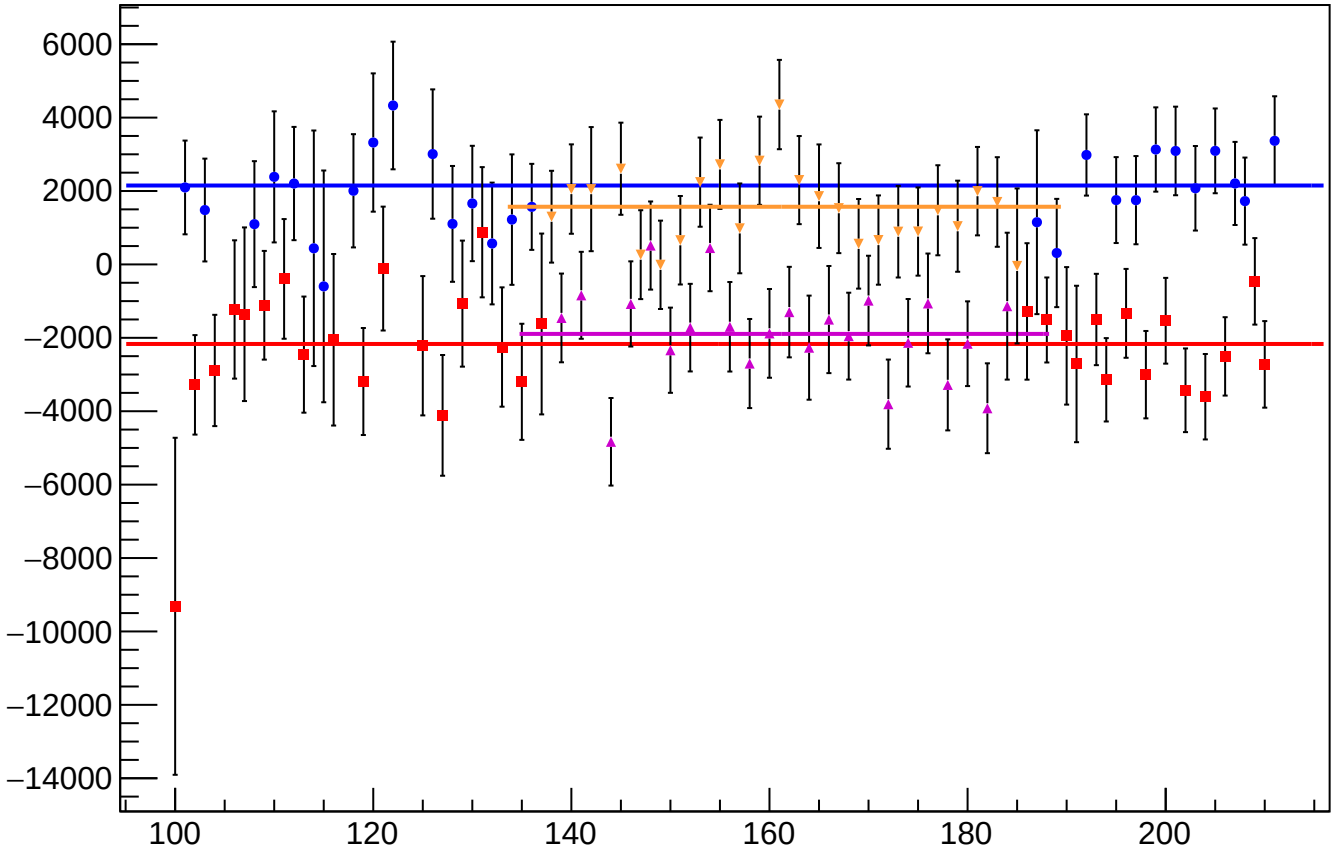
Left In: 29.255+/-0.005 χ^2/NDF:1140337.0/22

+ sign 27.786+/-0.003 χ^2/NDF: 1594665.3/51

All: 27.725+/-0.002 χ^2/NDF: 4026297.5/105

- sign 27.666+/-0.003 χ^2/NDF: 2431032.7/53

reg_asym_usl_mean vs Slug



Right In: 2149.741+/-267.858 χ^2/NDF: 11.5/27

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

Right Out: -2167.550+/-259.274 χ^2/NDF: 20.7/31

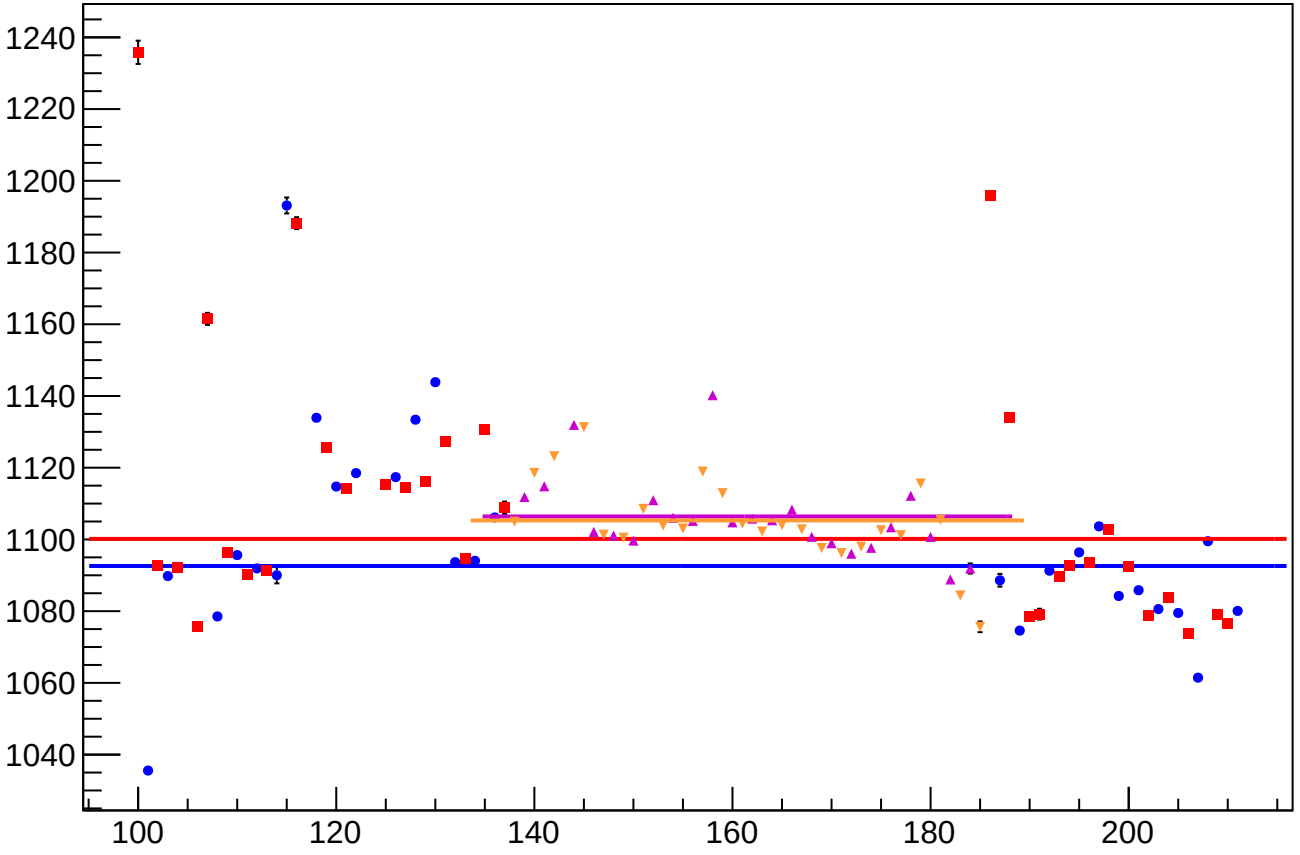
Left In: -1893.347+/-258.339 χ^2/NDF:24.1/22

+ sign 1847.909+/-185.272 χ^2/NDF: 29.3/51

All: -114.914+/-130.197 χ^2/NDF: 296.4/106

- sign -2029.953+/-183.003 χ^2/NDF: 45.4/54

reg_asym_usl_rms vs Slug



Right In: 1092.596+/-0.189 χ^2/NDF: 15384.3/27

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

Right Out: 1100.149+/-0.183 χ^2/NDF: 20625.9/31

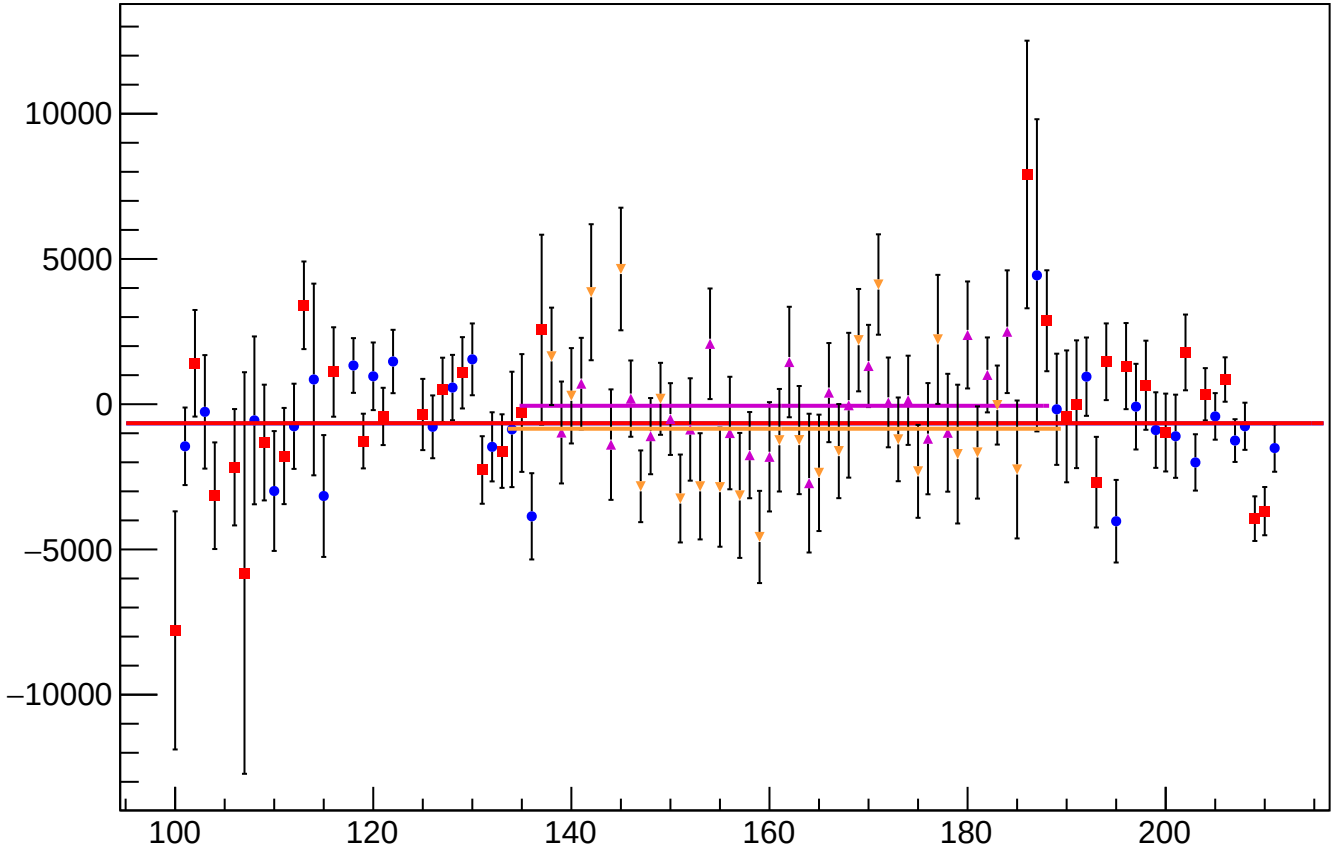
Left In: 1106.405+/-0.183 χ^2/NDF:3776.4/22

+ sign 1099.219+/-0.131 χ^2/NDF: 20890.5/51

All: 1101.279+/-0.092 χ^2/NDF: 46365.5/106

- sign 1103.288+/-0.129 χ^2/NDF: 24986.6/54

asym_usl_reg_correction_mean vs Slug



Right In: -660.637+/-230.891 χ^2/NDF: 35.1/27

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

Right Out: -653.286+/-233.889 χ^2/NDF: 78.2/31

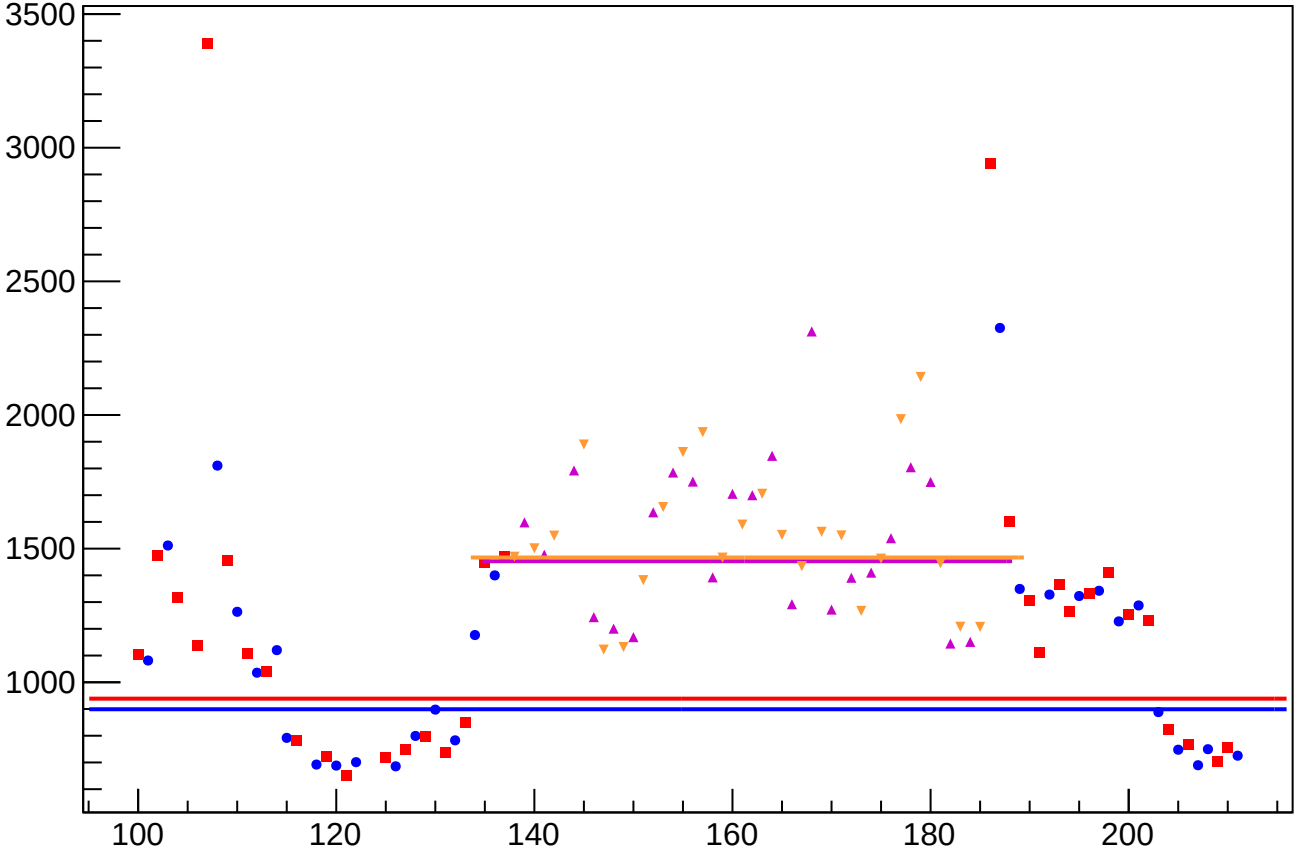
Left In: -54.347+/-345.962 χ^2/NDF:13.0/22

+ sign -717.028+/-192.285 χ^2/NDF: 79.4/51

All: -592.183+/-136.486 χ^2/NDF: 173.5/106

- sign -465.410+/-193.764 χ^2/NDF: 93.3/54

asym_usl_reg_correction_rms vs Slug



Right In: 899.019+/-0.163 χ^2/NDF: 2613875.7/27

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

Right Out: 938.727+/-0.165 χ^2/NDF: 3351772.8/31

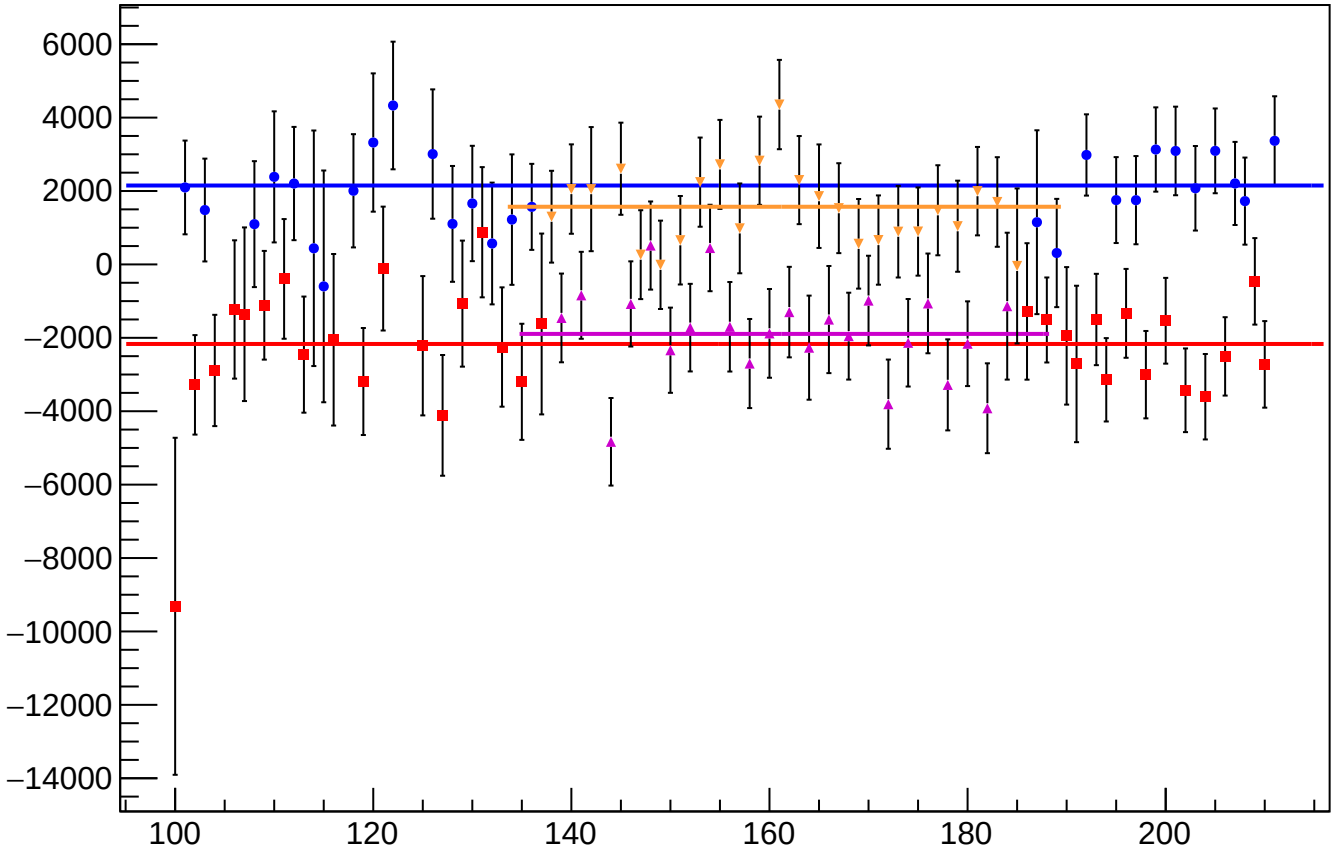
Left In: 1452.983+/-0.245 χ^2/NDF:1129567.2/22

+ sign 1073.031+/-0.136 χ^2/NDF: 7364095.6/51

All: 1086.431+/-0.097 χ^2/NDF: 14897914.7/1

- sign 1100.039+/-0.137 χ^2/NDF: 7514242.3/54

cor_asym_usl_mean vs Slug



Right In: 2149.741+/-267.858 χ^2/NDF: 11.5/27

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

Right Out: -2167.543+/-259.274 χ^2/NDF: 20.7/31

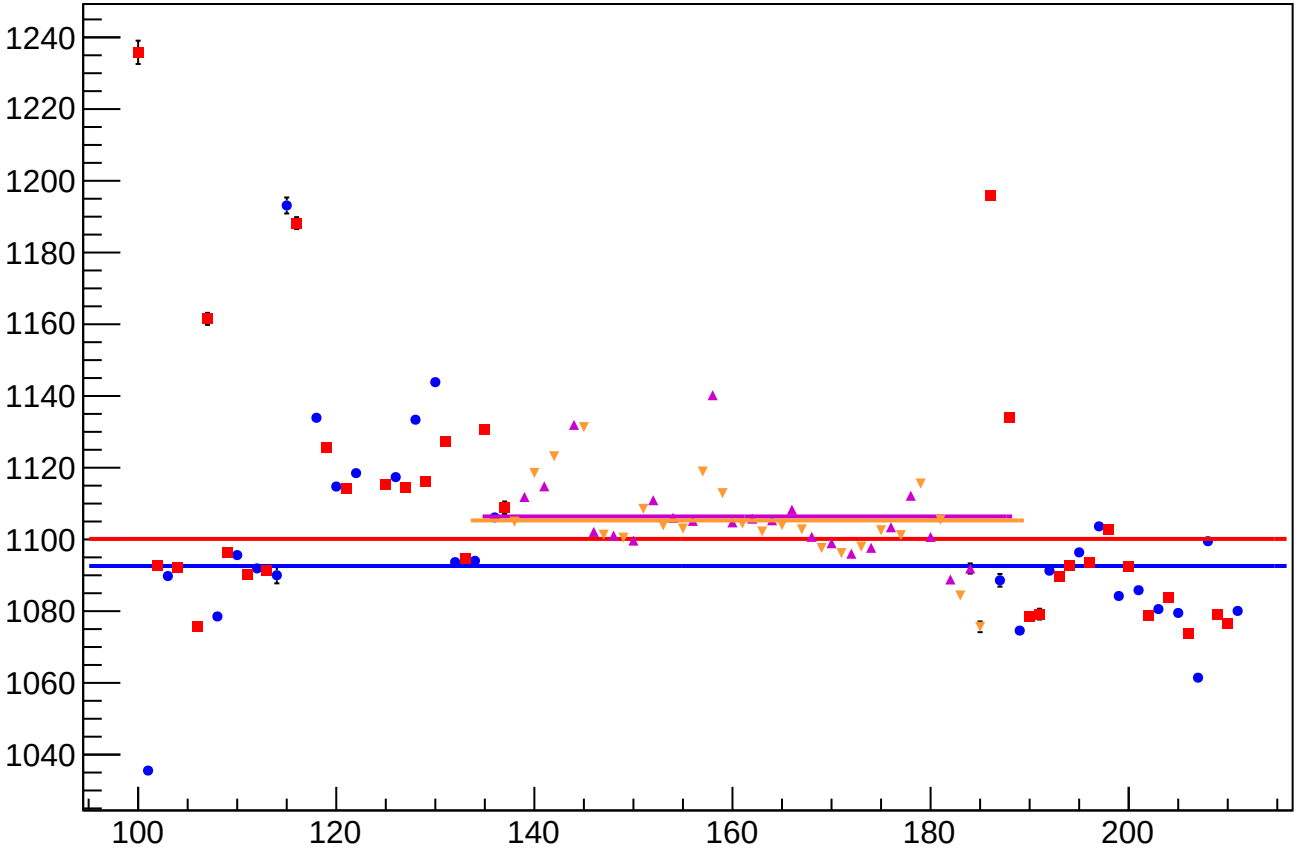
Left In: -1893.347+/-258.339 χ^2/NDF:24.1/22

+ sign 1847.909+/-185.272 χ^2/NDF: 29.3/51

All: -114.912+/-130.197 χ^2/NDF: 296.4/106

- sign -2029.950+/-183.003 χ^2/NDF: 45.4/54

cor_asym_usl_rms vs Slug



Right In: 1092.596+/-0.189 χ^2/NDF: 15384.3/27

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

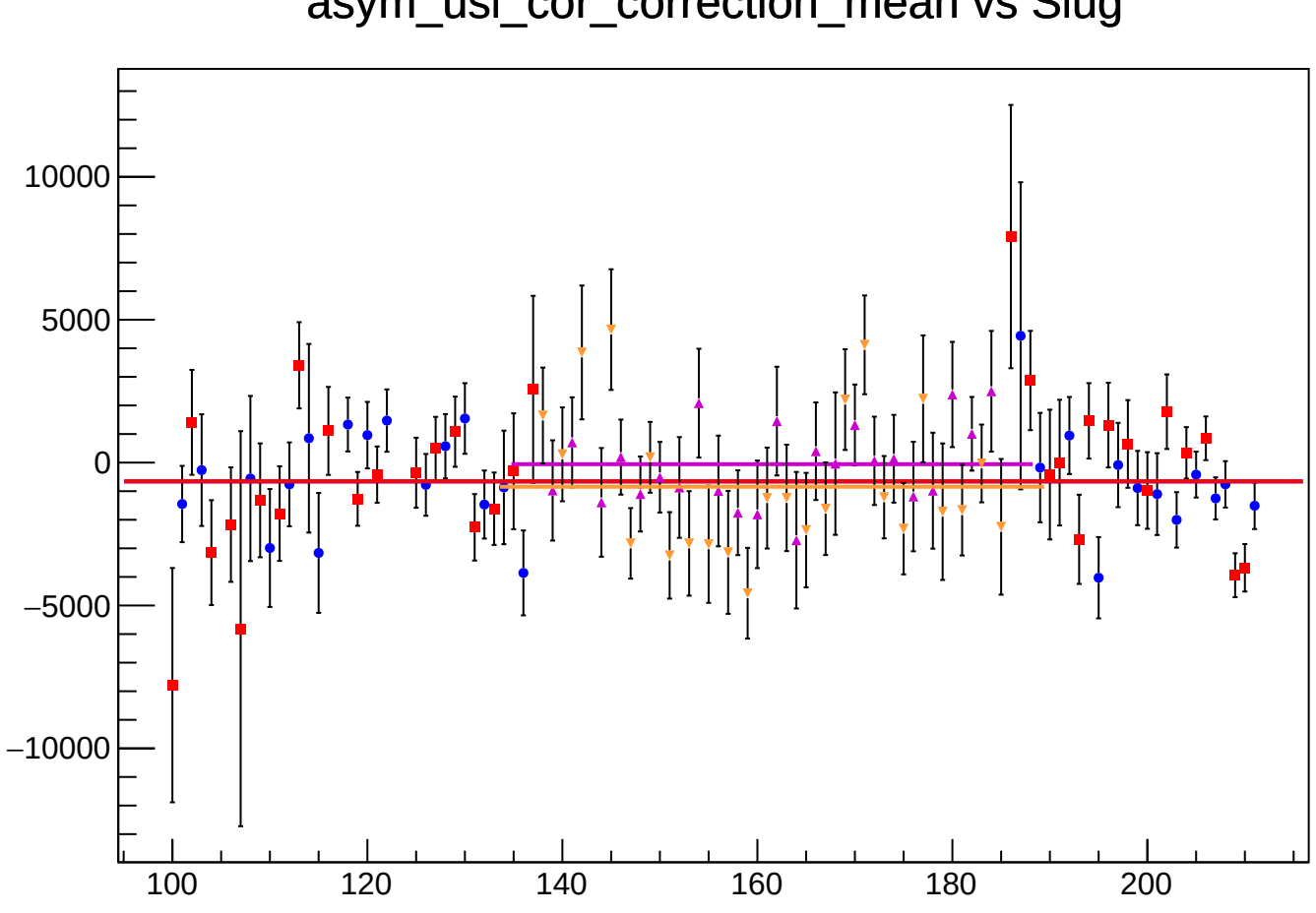
Right Out: 1100.149+/-0.183 χ^2/NDF: 20625.9/31

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

+ sign 1099.219+/-0.131 χ^2/NDF: 20890.5/51

All: 1101.279+/-0.092 χ^2/NDF: 46365.5/106

- sign 1103.288+/-0.129 χ^2/NDF: 24986.6/54



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

Right Out: -653.285+/-233.889 χ^2/NDF: 78.2/31

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

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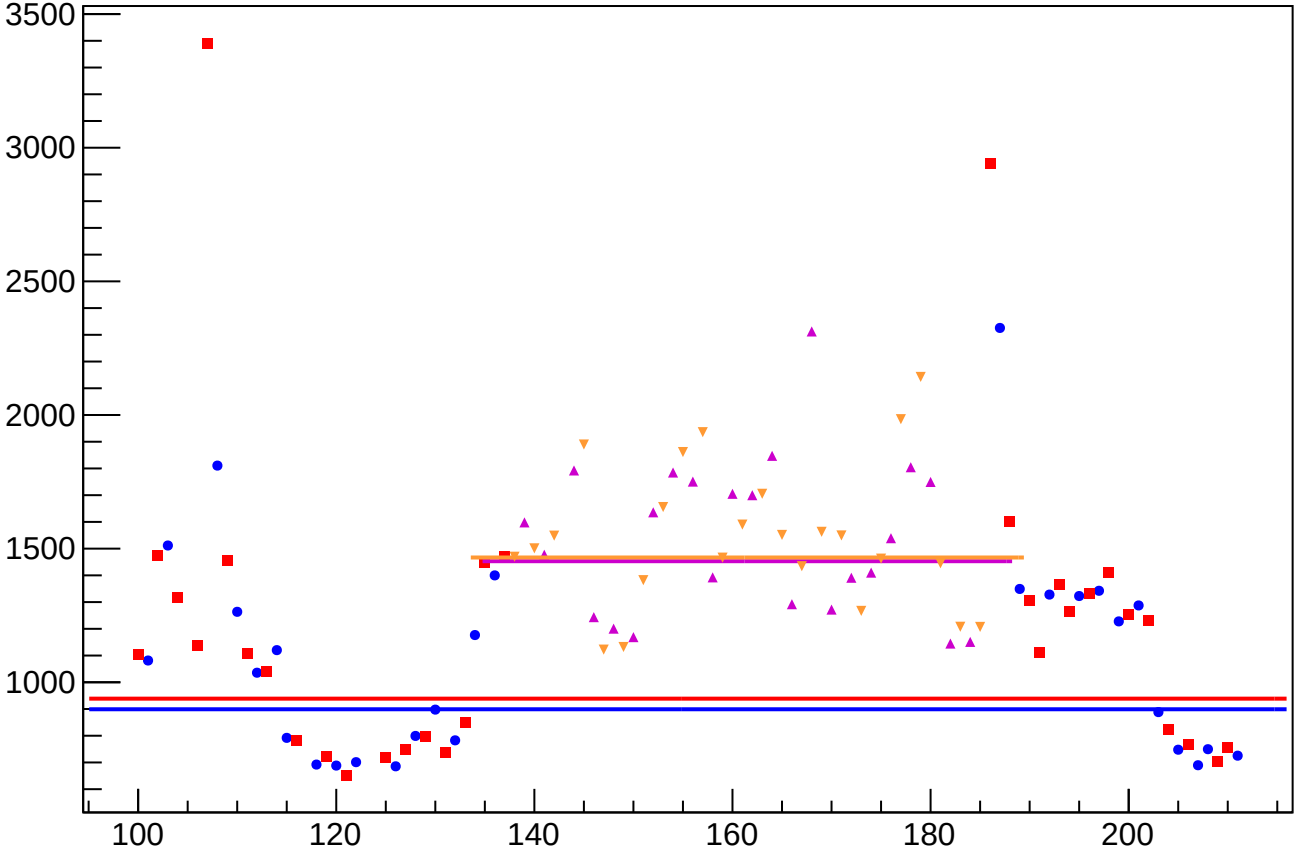
All: -592.183+/-136.486 χ^2/NDF: 173.5/106

- sign -465.410+/-193.764 χ^2/NDF: 93.3/54

asym_usl_cor_correction_rms vs Slug



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

Right Out: 938.726+/-0.165 χ^2/NDF: 3351771.2/31

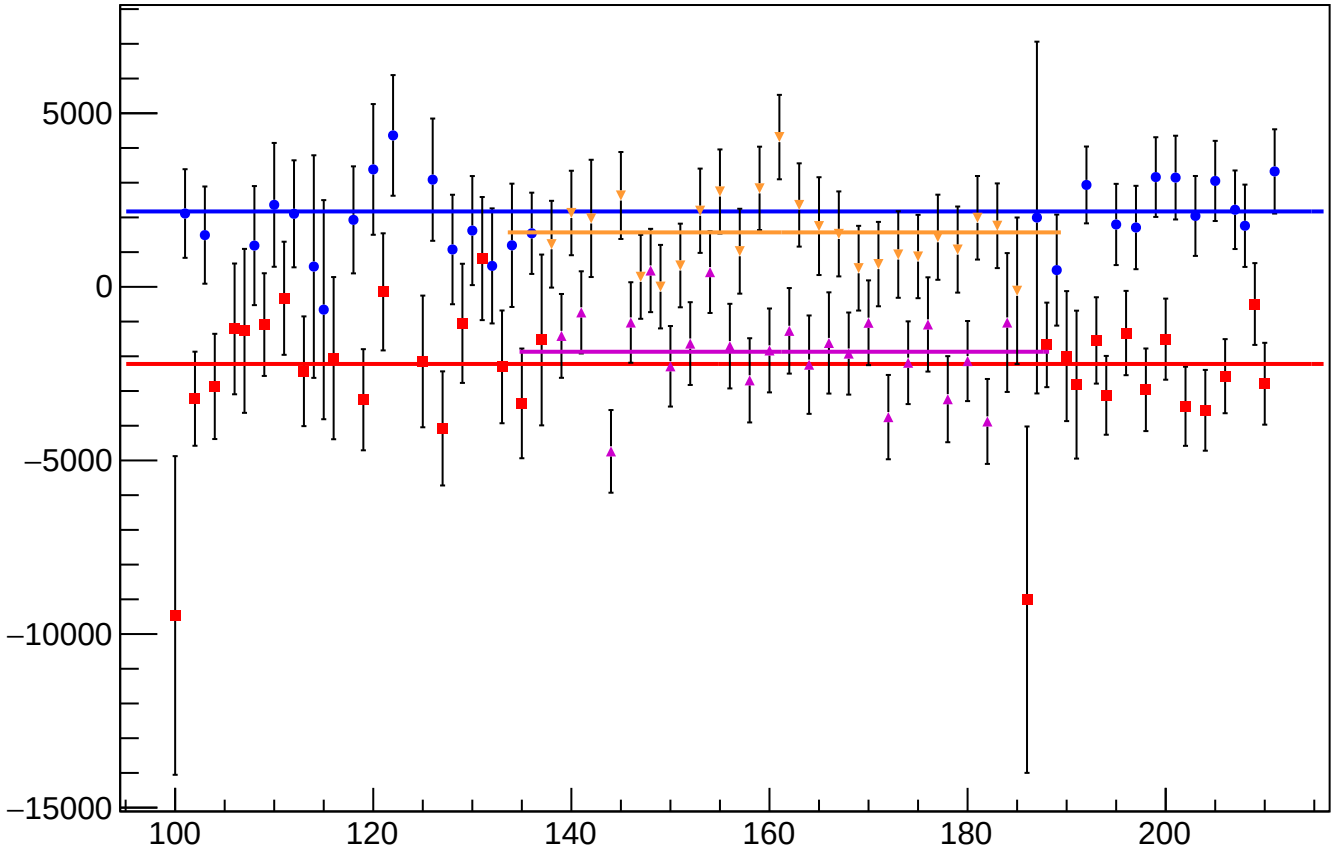
Left In: 1452.983+/-0.245 χ^2/NDF:1129567.2/22

+ sign 1073.031+/-0.136 χ^2/NDF: 7364095.6/51

All: 1086.431+/-0.097 χ^2/NDF: 14897914.4/1

- sign 1100.039+/-0.137 χ^2/NDF: 7514242.2/54

overload_cor_asym_usl_mean vs Slug



Right In: 2172.029+/-269.513 χ^2/NDF: 10.9/27

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

Right Out: -2220.848+/-261.976 χ^2/NDF: 22.3/31

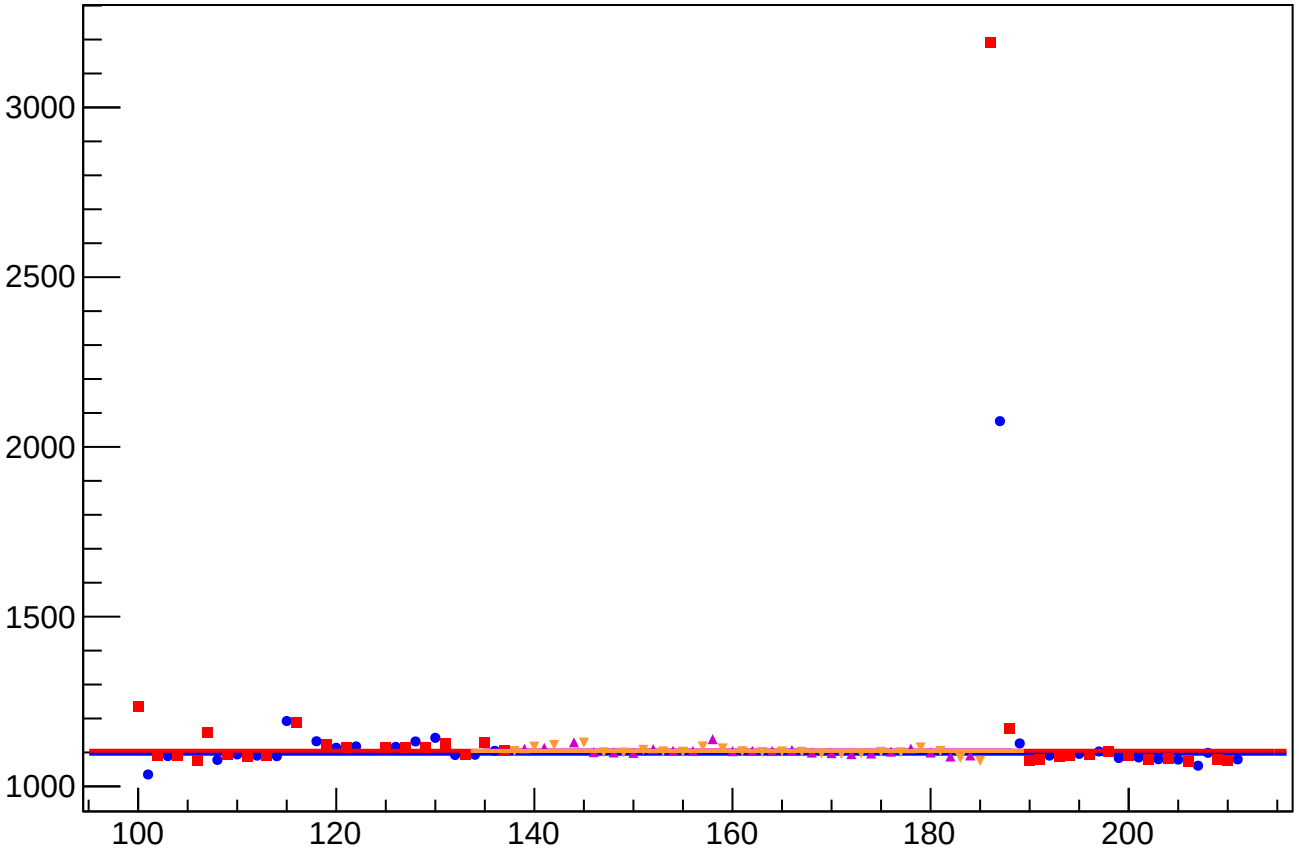
Left In: -1869.342+/-258.099 χ^2/NDF:23.4/22

+ sign 1855.251+/-185.725 χ^2/NDF: 28.9/51

All: -113.285+/-130.663 χ^2/NDF: 297.9/106

- sign -2042.475+/-183.859 χ^2/NDF: 46.6/54

overload_cor_asym_usl_rms vs Slug



Right In: 1096.248+/-0.191 χ^2/NDF: 90820.2/27

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

Right Out: 1104.973+/-0.185 χ^2/NDF: 370910.7/31

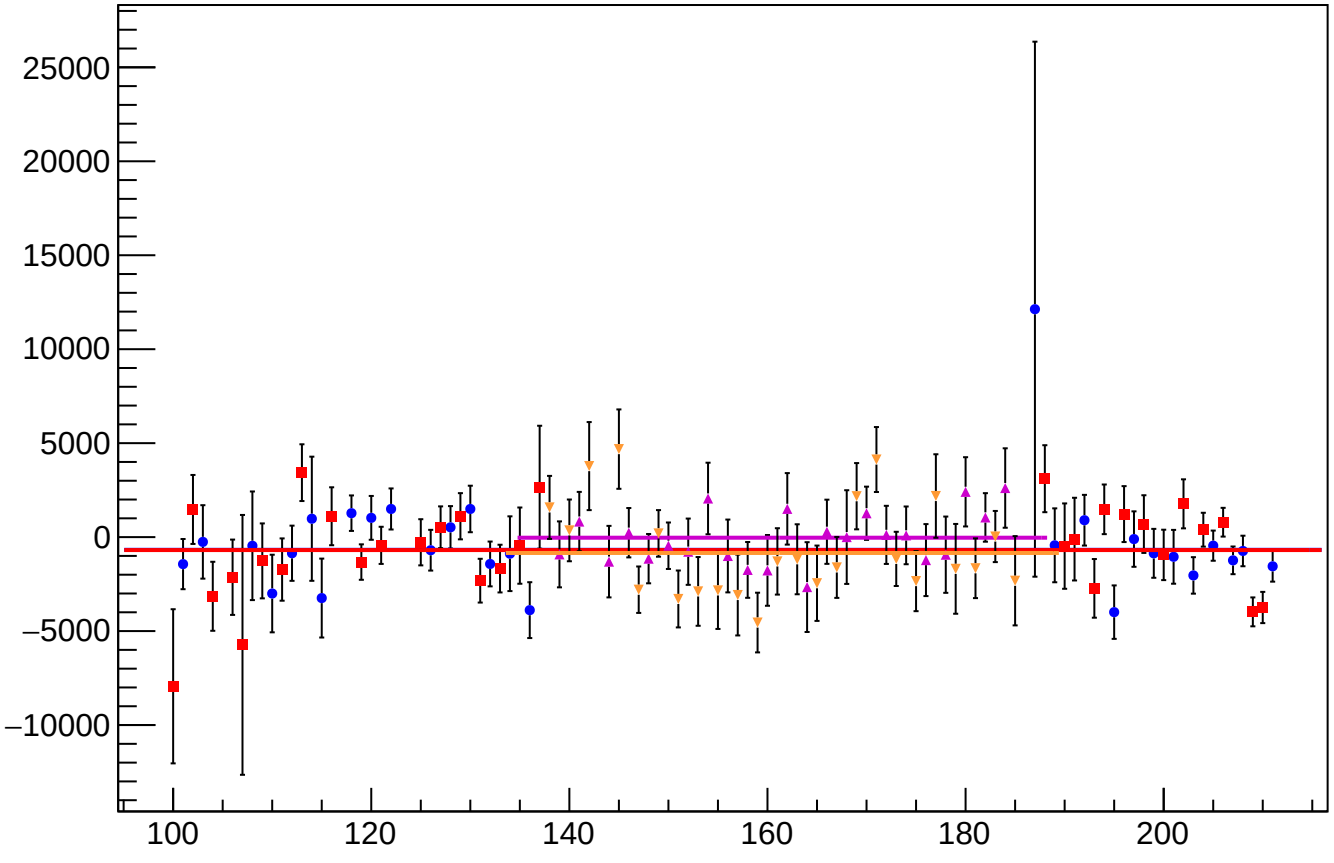
Left In: 1105.380+/-0.183 χ^2/NDF:3661.0/22

+ sign 1100.454+/-0.131 χ^2/NDF: 94747.1/51

All: 1102.841+/-0.092 χ^2/NDF: 469975.2/106

- sign 1105.180+/-0.130 χ^2/NDF: 374574.2/54

asym_usl_overload_cor_correction_mean vs Slug



Right In: -675.875+/-231.438 χ^2/NDF: 34.7/27

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

Right Out: -688.900+/-234.578 χ^2/NDF: 76.3/30

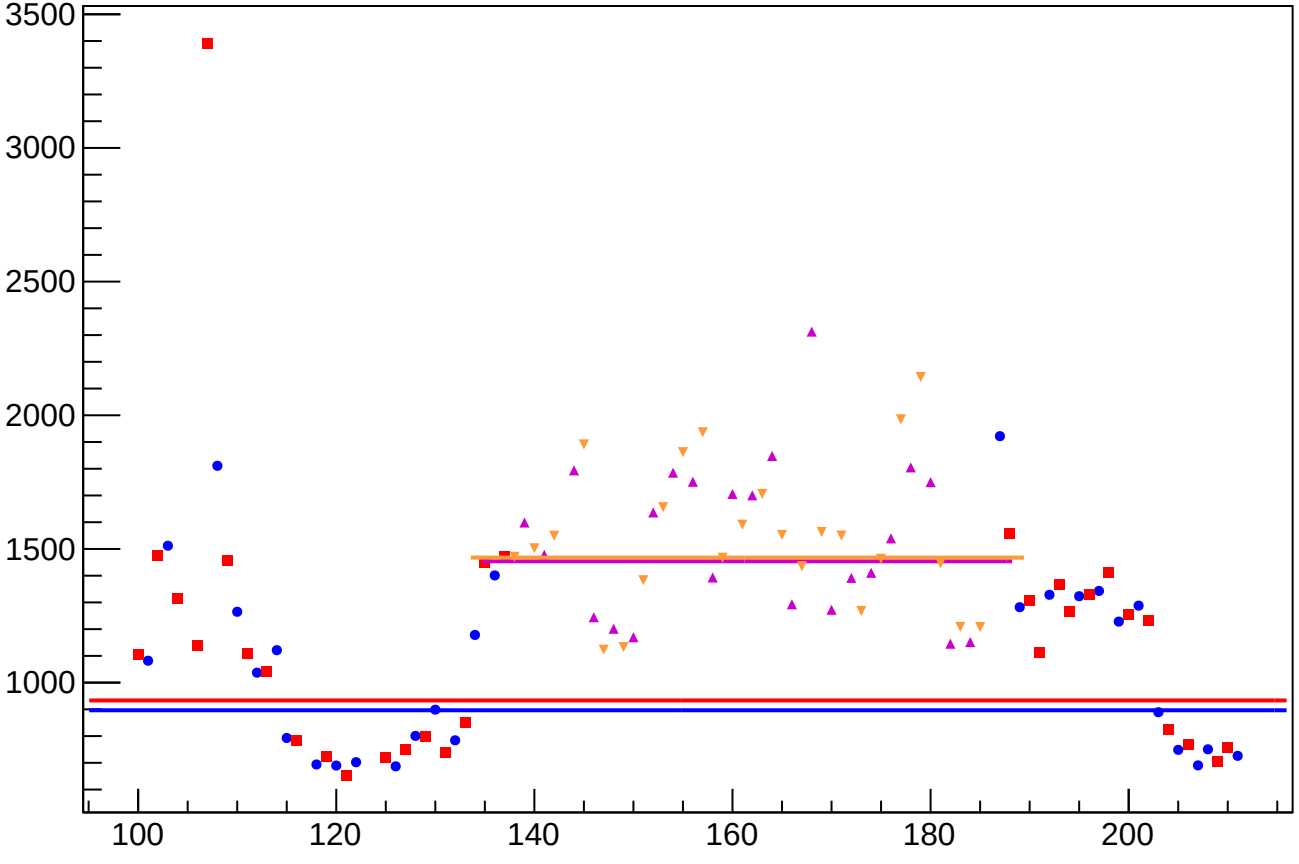
Left In: -31.387+/-346.155 χ^2/NDF:13.1/22

+ sign -727.306+/-192.633 χ^2/NDF: 78.9/51

All: -605.627+/-136.759 χ^2/NDF: 171.5/105

- sign -481.975+/-194.189 χ^2/NDF: 91.8/53

asym_usl_overload_cor_correction_rms vs Slug



Right In: 896.558+/-0.164 χ^2/NDF: 2440911.0/27

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

Right Out: 933.244+/-0.166 χ^2/NDF: 2911730.1/30

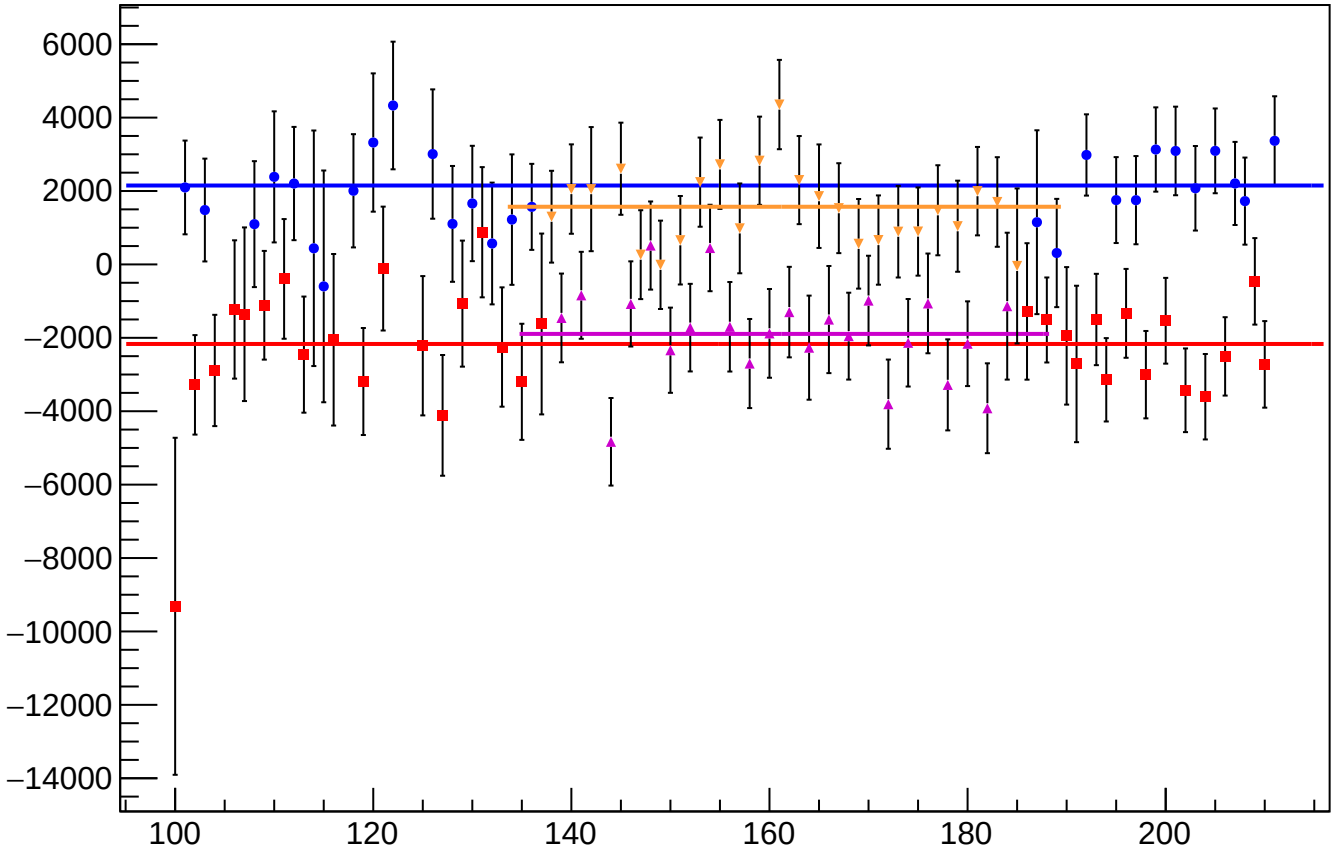
Left In: 1453.834+/-0.245 χ^2/NDF:1127997.5/22

+ sign 1072.027+/-0.136 χ^2/NDF: 7224757.0/51

All: 1084.451+/-0.097 χ^2/NDF: 14381219.5/1

- sign 1097.078+/-0.137 χ^2/NDF: 7139687.2/53

eigen_cor_asym_usl_mean vs Slug



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

Right Out: -2167.543+/-259.274 χ^2/NDF: 20.7/31

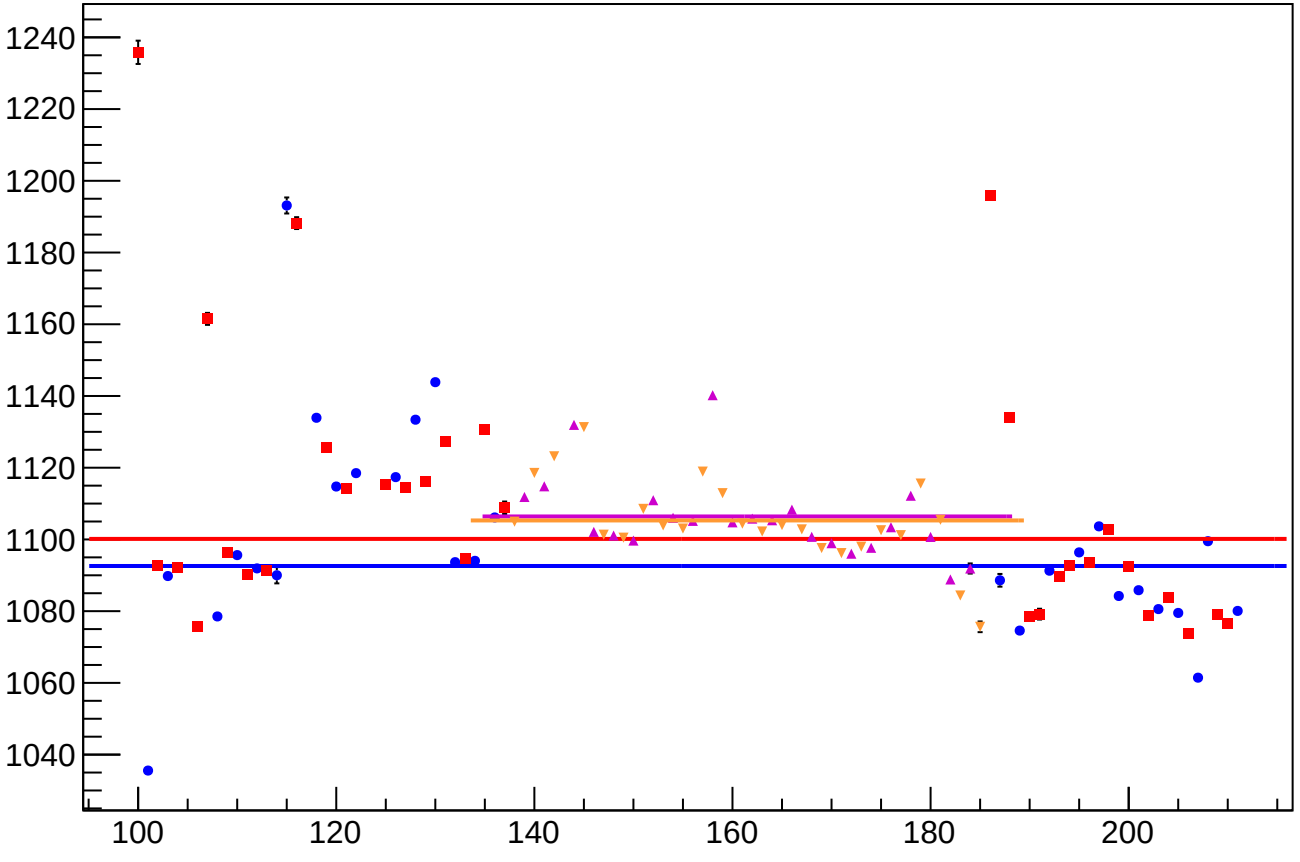
Left In: -1893.347+/-258.339 χ^2/NDF:24.1/22

+ sign 1847.909+/-185.272 χ^2/NDF: 29.3/51

All: -114.912+/-130.197 χ^2/NDF: 296.4/106

- sign -2029.950+/-183.003 χ^2/NDF: 45.4/54

eigen_cor_asym_usl_rms vs Slug



Right In: 1092.596+/-0.189 χ^2/NDF: 15384.3/27

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

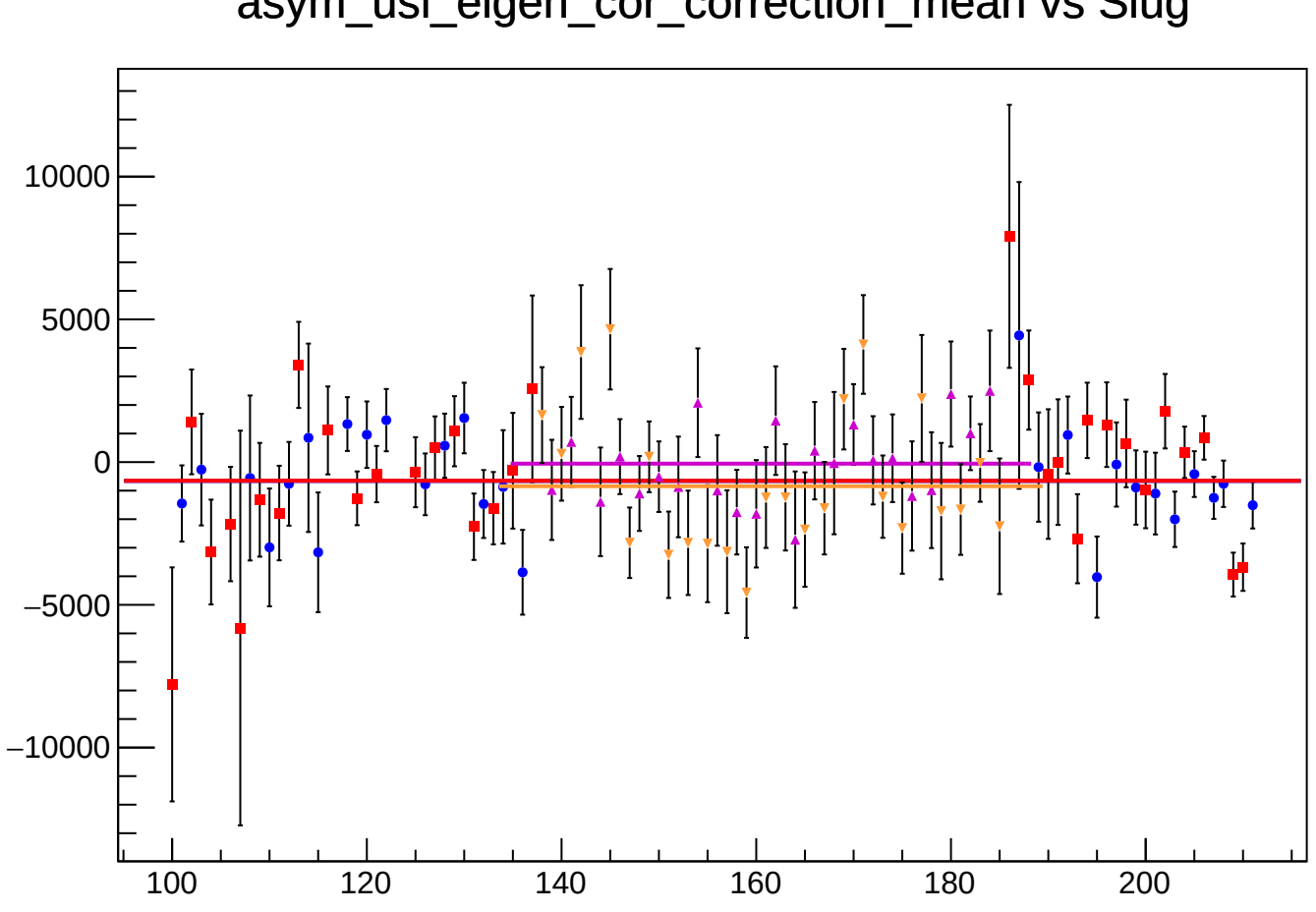
Right Out: 1100.149+/-0.183 χ^2/NDF: 20625.9/31

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

+ sign 1099.219+/-0.131 χ^2/NDF: 20890.5/51

All: 1101.279+/-0.092 χ^2/NDF: 46365.5/106

- sign 1103.288+/-0.129 χ^2/NDF: 24986.6/54



Right In: -660.637+/-230.891 χ^2/NDF: 35.1/27

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

Right Out: -653.285+/-233.889 χ^2/NDF: 78.2/31

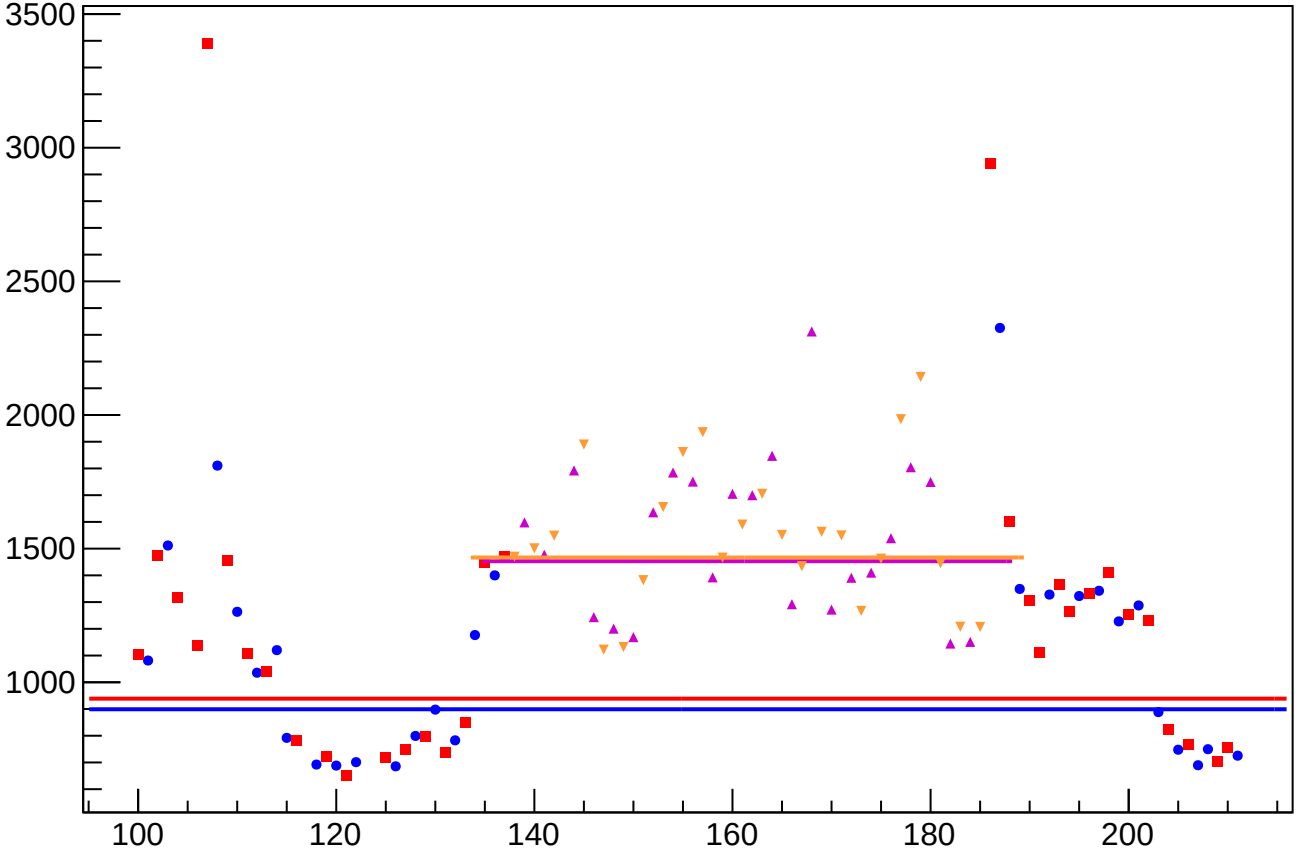
Left In: -54.347+/-345.962 χ^2/NDF:13.0/22

+ sign -717.028+/-192.285 χ^2/NDF: 79.4/51

All: -592.183+/-136.486 χ^2/NDF: 173.5/106

- sign -465.410+/-193.764 χ^2/NDF: 93.3/54

asym_usl_eigen_cor_correction_rms vs Slug



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

Right Out: 938.726+/-0.165 χ^2/NDF: 3351771.2/31

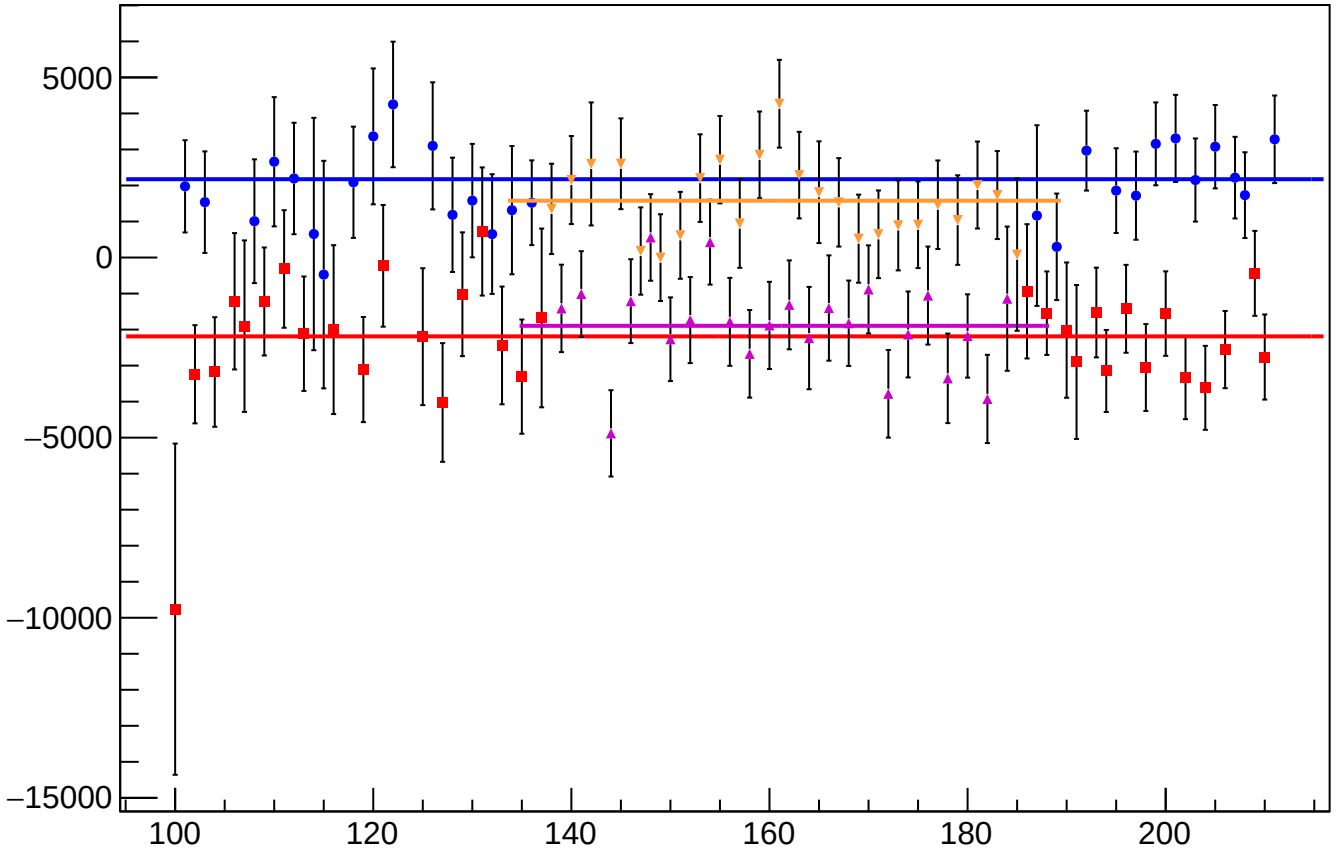
Left In: 1452.983+/-0.245 χ^2/NDF:1129567.2/22

+ sign 1073.031+/-0.136 χ^2/NDF: 7364095.6/51

All: 1086.431+/-0.097 χ^2/NDF: 14897914.4/1

- sign 1100.039+/-0.137 χ^2/NDF: 7514242.2/54

dit_asym_usl_mean vs Slug



Right In: 2174.457+/-268.727 χ^2/NDF: 11.4/27

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

Right Out: -2188.765+/-260.208 χ^2/NDF: 20.6/31

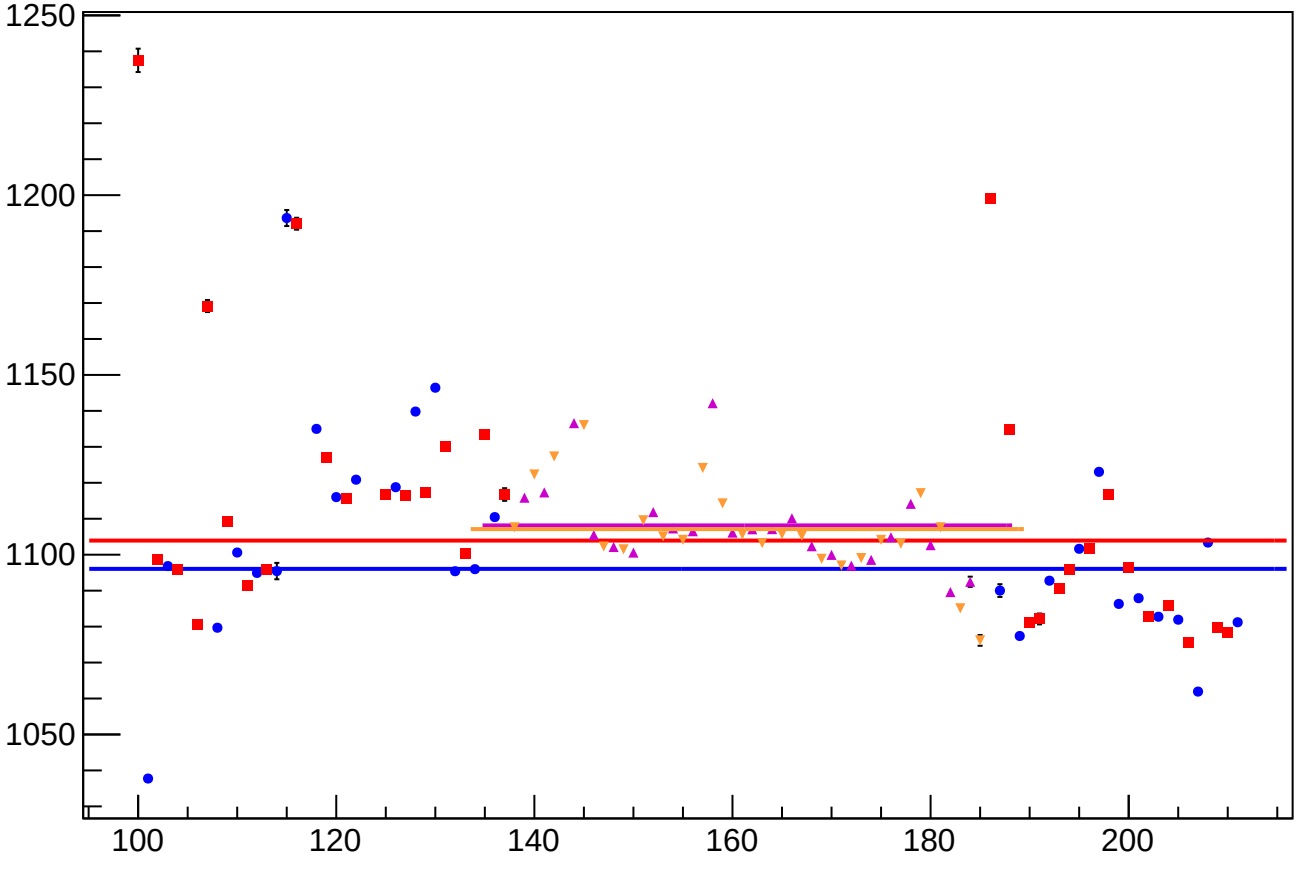
Left In: -1895.548+/-258.750 χ^2/NDF:24.1/22

+ sign 1862.621+/-185.735 χ^2/NDF: 29.5/51

All: -113.228+/-130.529 χ^2/NDF: 298.4/106

- sign -2041.333+/-183.477 χ^2/NDF: 45.3/54

dit_asym_usl_rms vs Slug



Right In: 1096.059+/-0.190 χ^2/NDF: 16710.6/27

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

Right Out: 1103.930+/-0.184 χ^2/NDF: 20832.2/31

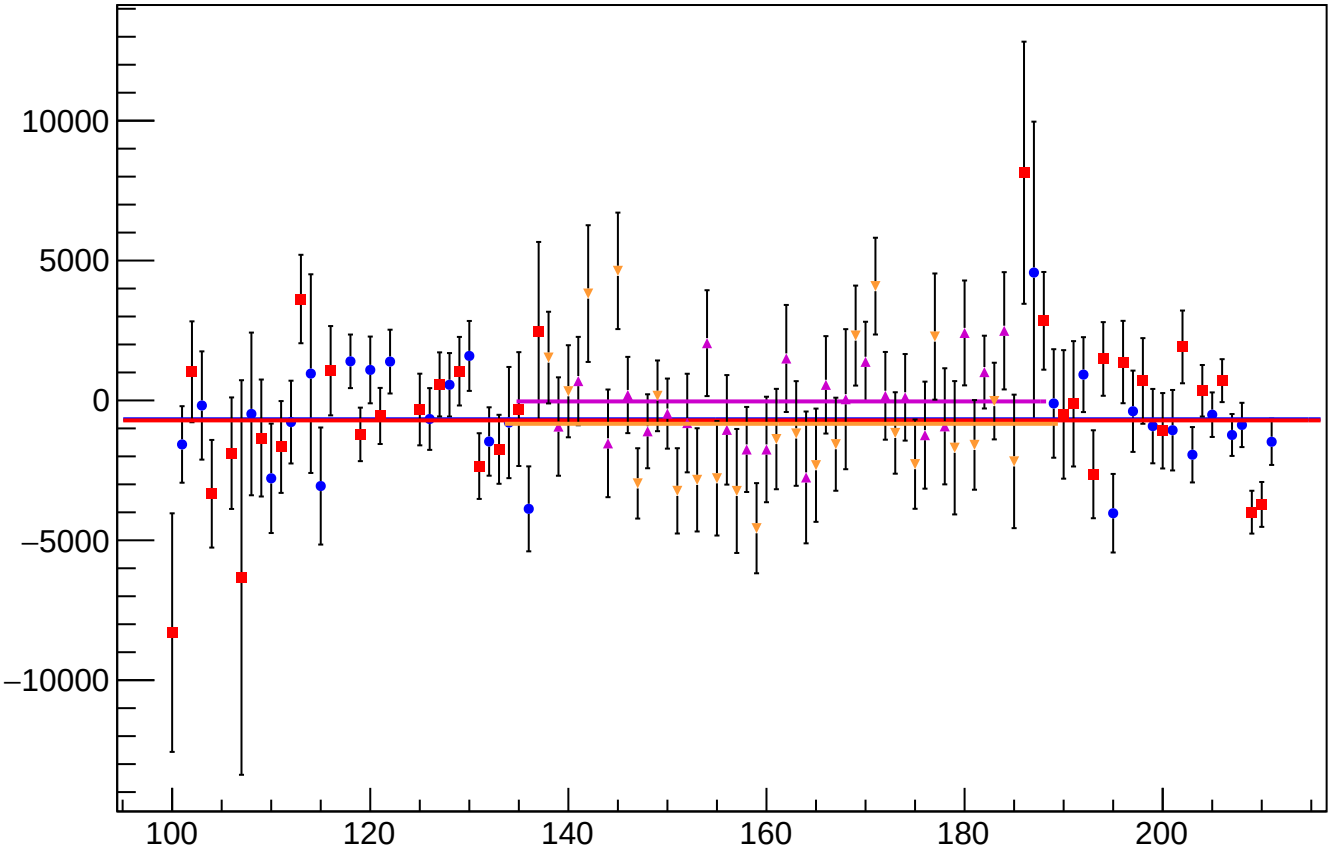
Left In: 1108.145+/-0.183 χ^2/NDF:4190.5/22

+ sign 1101.840+/-0.131 χ^2/NDF: 22266.1/51

All: 1103.970+/-0.092 χ^2/NDF: 48072.7/106

- sign 1106.050+/-0.130 χ^2/NDF: 25286.6/54

asym_usl_dit_correction_mean vs Slug



Right In: -673.595+/-232.950 χ^2/NDF: 34.2/27

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

Right Out: -713.243+/-235.345 χ^2/NDF: 79.7/31

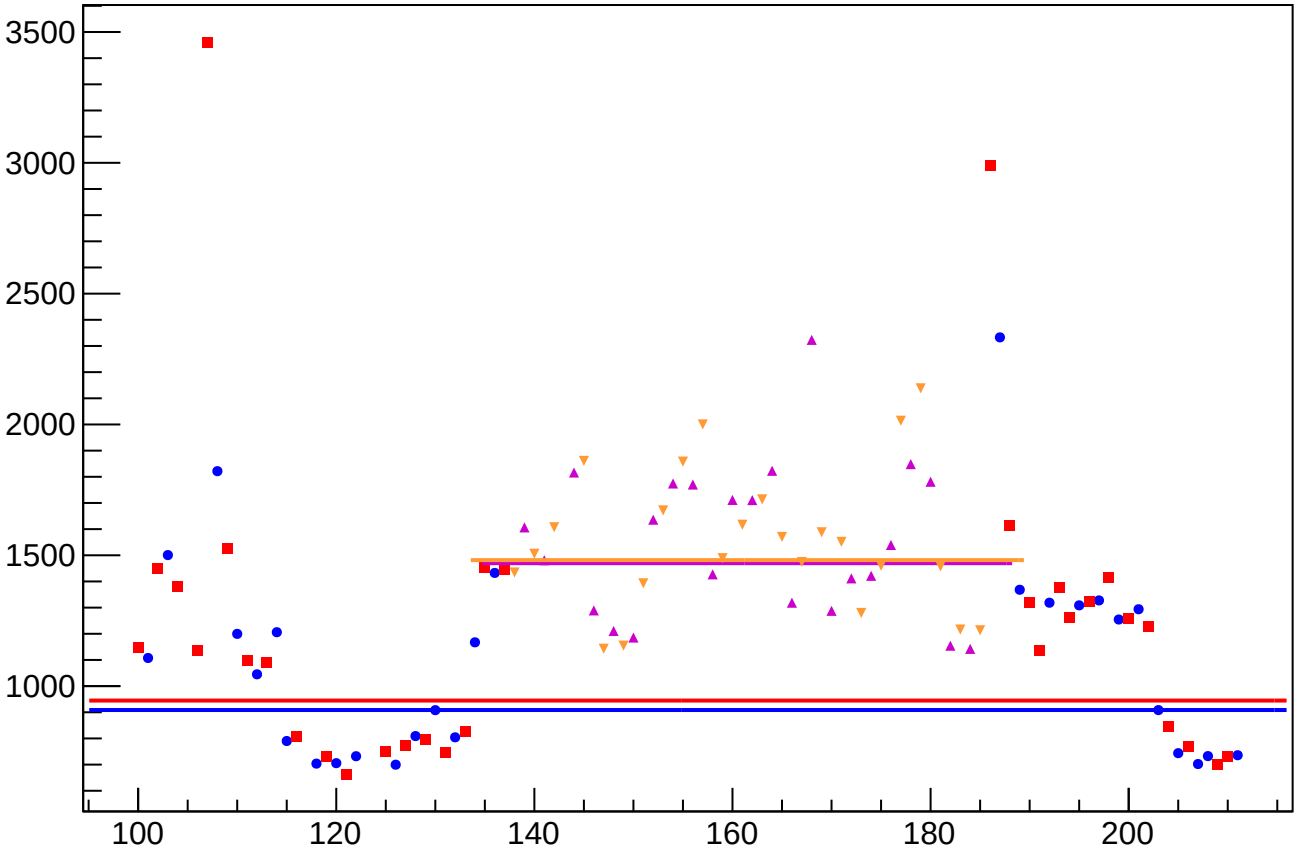
Left In: -35.516+/-349.636 χ^2/NDF:13.1/22

+ sign -723.112+/-194.029 χ^2/NDF: 77.9/51

All: -613.203+/-137.624 χ^2/NDF: 174.0/106

- sign -501.922+/-195.236 χ^2/NDF: 95.4/54

asym_usl_dit_correction_rms vs Slug



Right In: 908.633+/-0.165 χ^2/NDF: 2550335.4/27

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

Right Out: 944.779+/-0.166 χ^2/NDF: 3373150.1/31

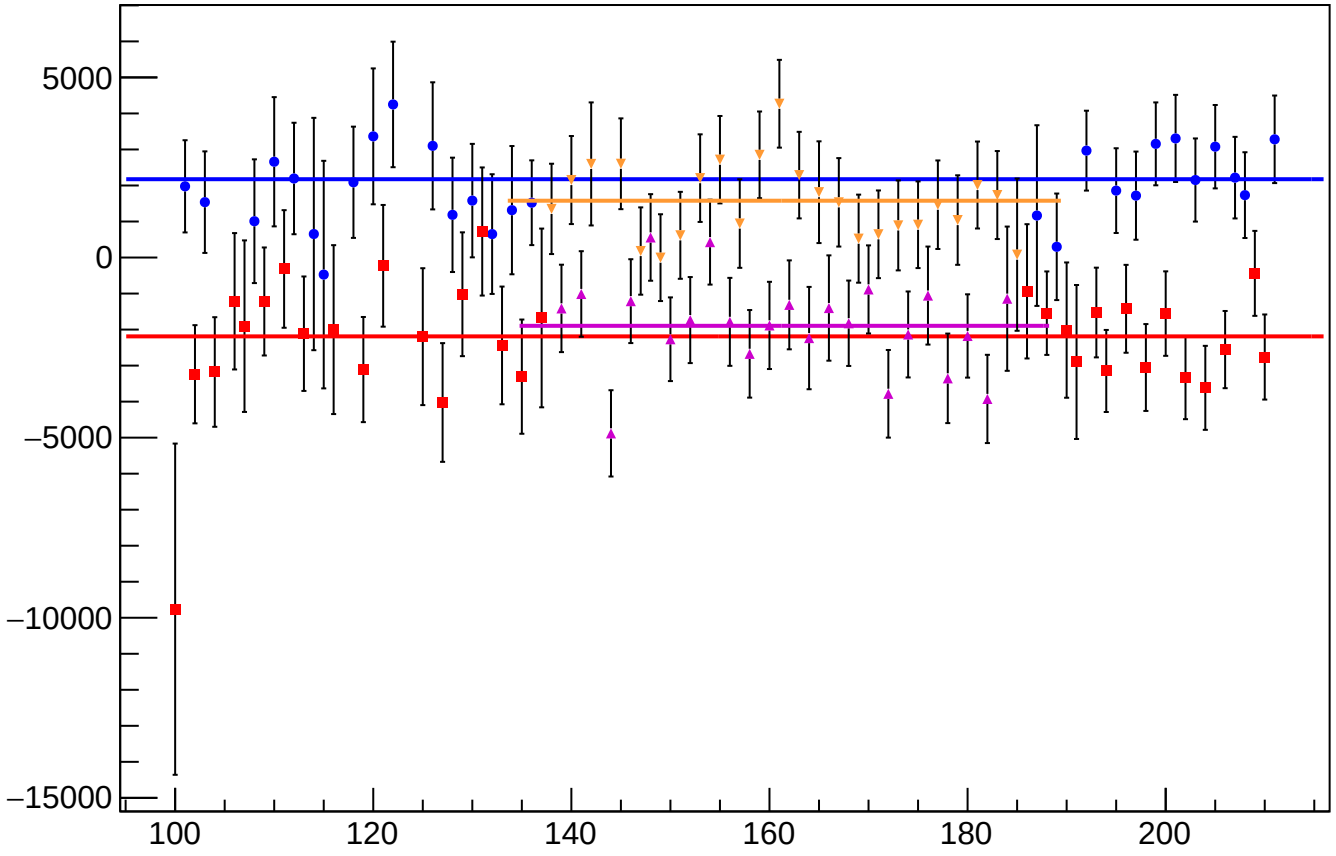
Left In: 1469.907+/-0.247 χ^2/NDF:1095056.5/22

+ sign 1084.084+/-0.137 χ^2/NDF: 7272460.3/51

All: 1096.225+/-0.097 χ^2/NDF: 14861256.9/1

- sign 1108.518+/-0.138 χ^2/NDF: 7573036.9/54

eigen_dit_asym_usl_mean vs Slug



Right In: 2174.457+/-268.727 χ^2/NDF: 11.4/27

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

Right Out: -2188.764+/-260.208 χ^2/NDF: 20.6/31

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

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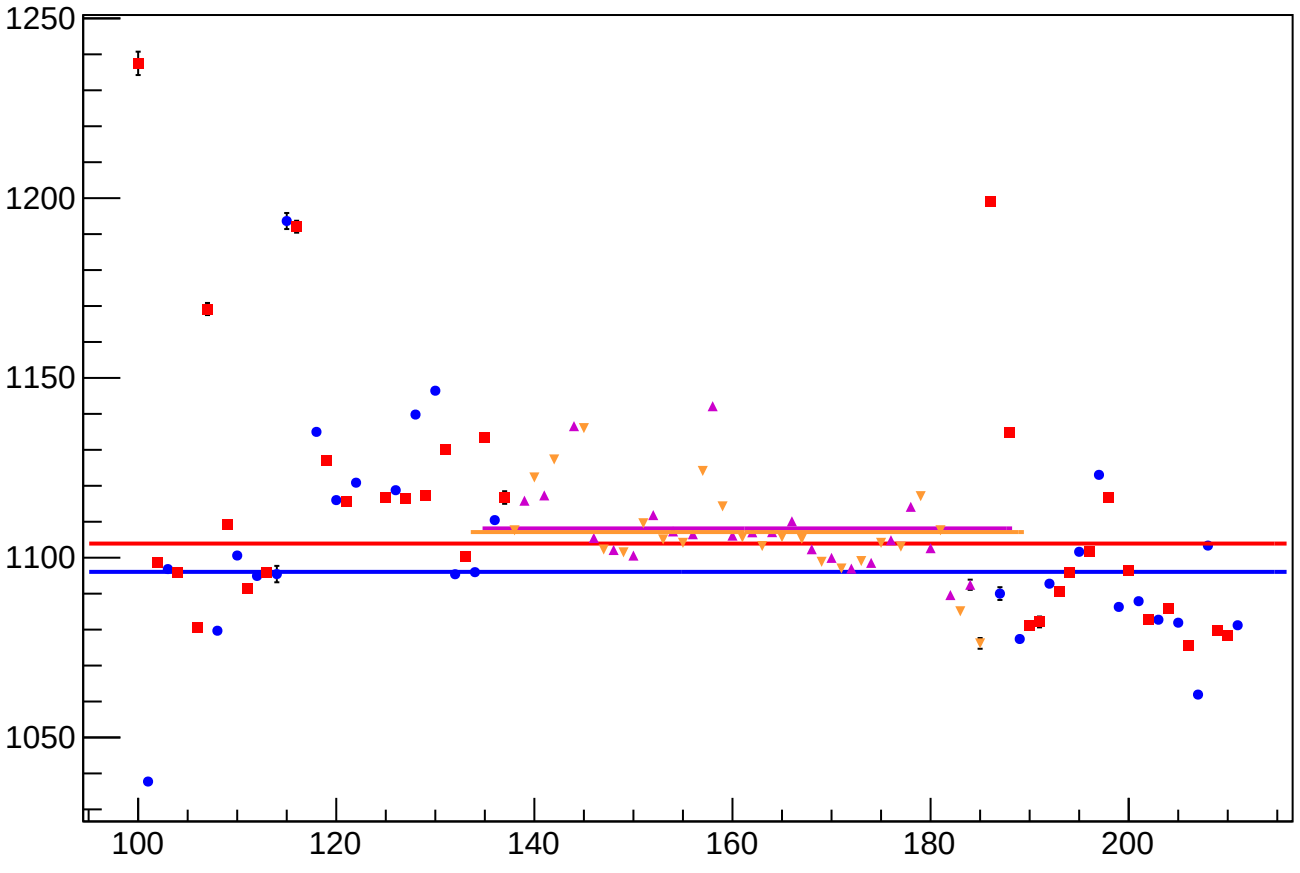
All: -113.228+/-130.529 χ^2/NDF: 298.4/106

- sign -2041.332+/-183.477 χ^2/NDF: 45.3/54

eigen_dit_asym_usl_rms vs Slug



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Right Out: 1103.930+/-0.184 χ^2/NDF: 20832.1/31

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

+ sign 1101.840+/-0.131 χ^2/NDF: 22266.1/51

All: 1103.970+/-0.092 χ^2/NDF: 48072.7/106

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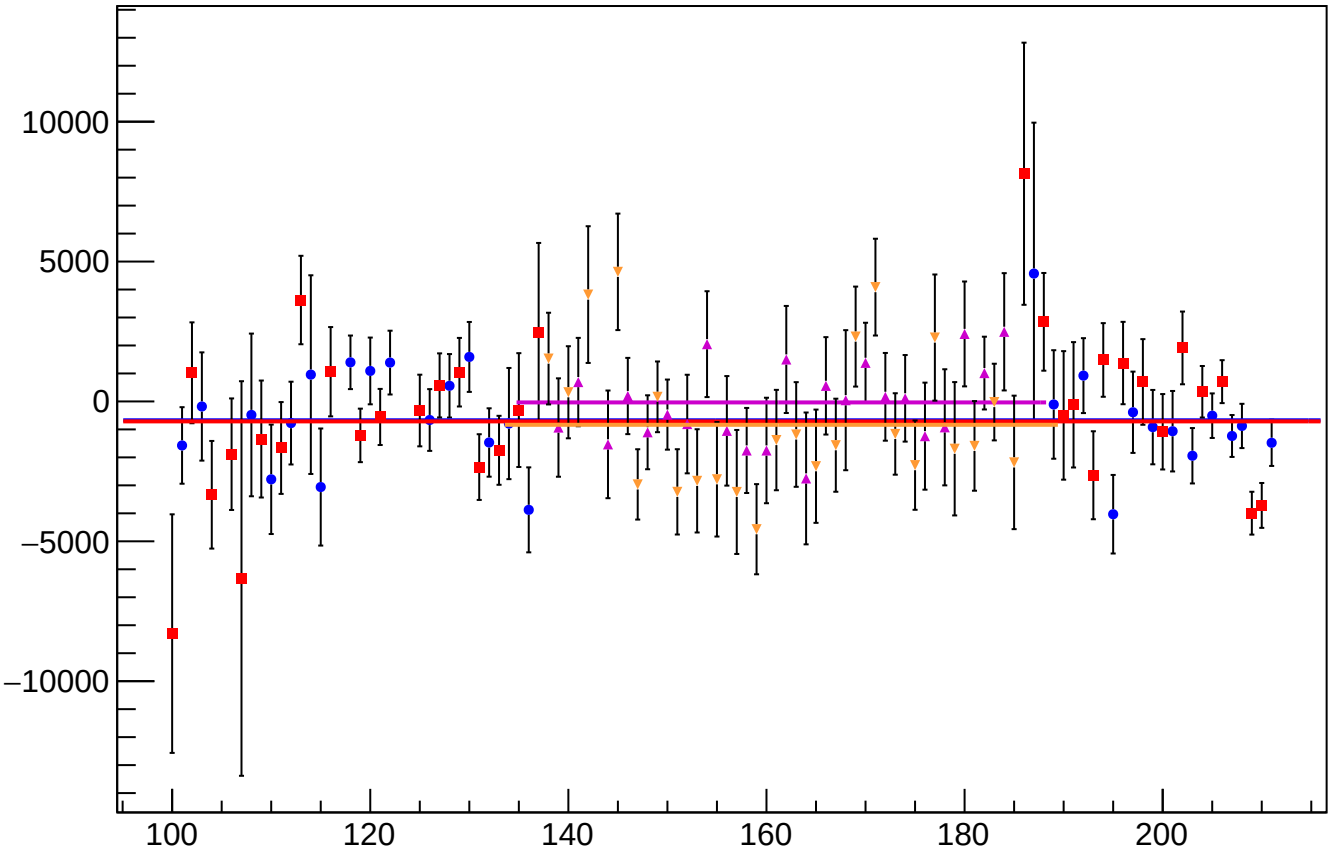

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Left Out: -835.291+/-350.615 χ^2/NDF:43.6/23

Right Out: -713.240+/-235.344 χ^2/NDF: 79.7/31

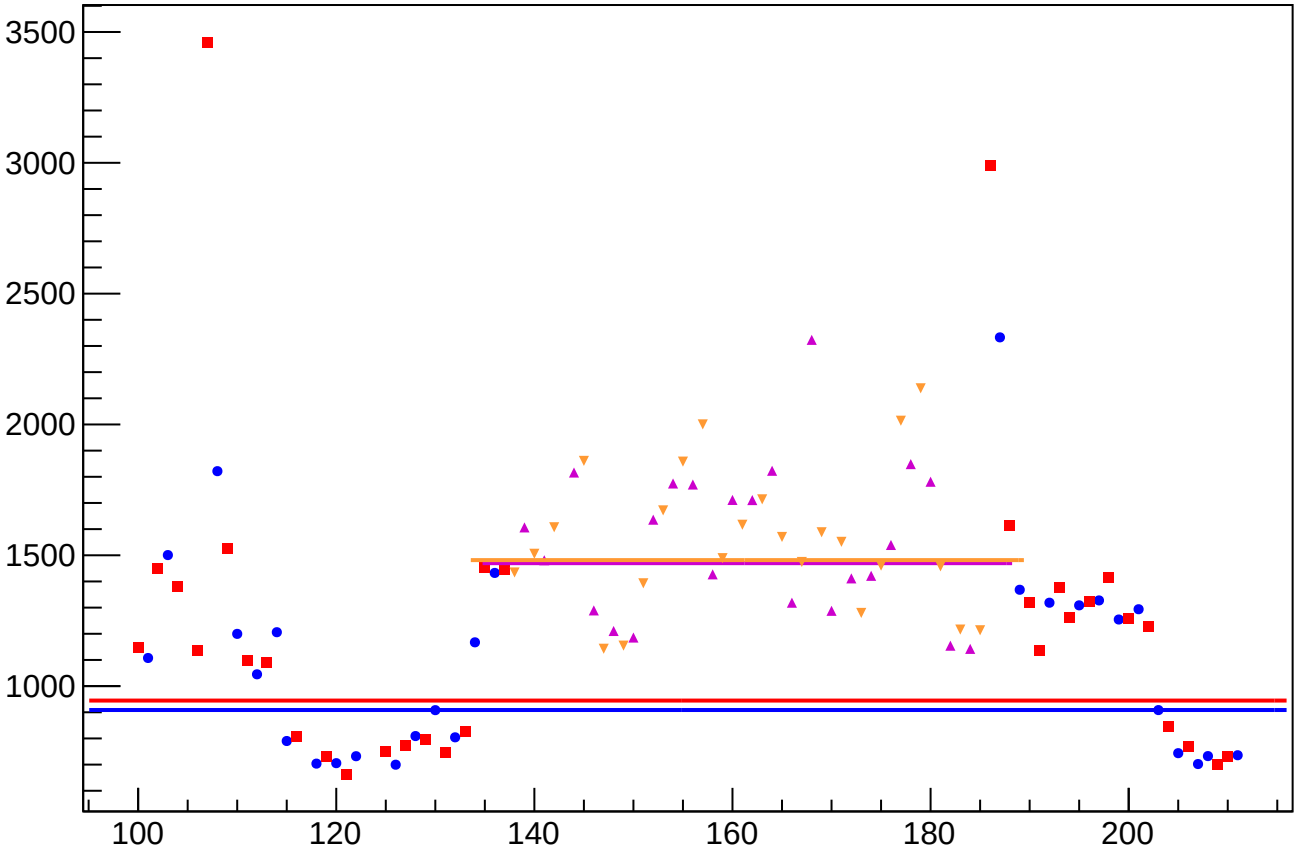
Left In: -35.516+/-349.636 χ^2/NDF:13.1/22

+ sign -723.112+/-194.029 χ^2/NDF: 77.9/51

All: -613.203+/-137.624 χ^2/NDF: 174.0/106

- sign -501.922+/-195.236 χ^2/NDF: 95.4/54

asym_usl_eigen_dit_correction_rms vs Slug



Right In: 908.632+/-0.165 χ^2/NDF: 2550338.5/27

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

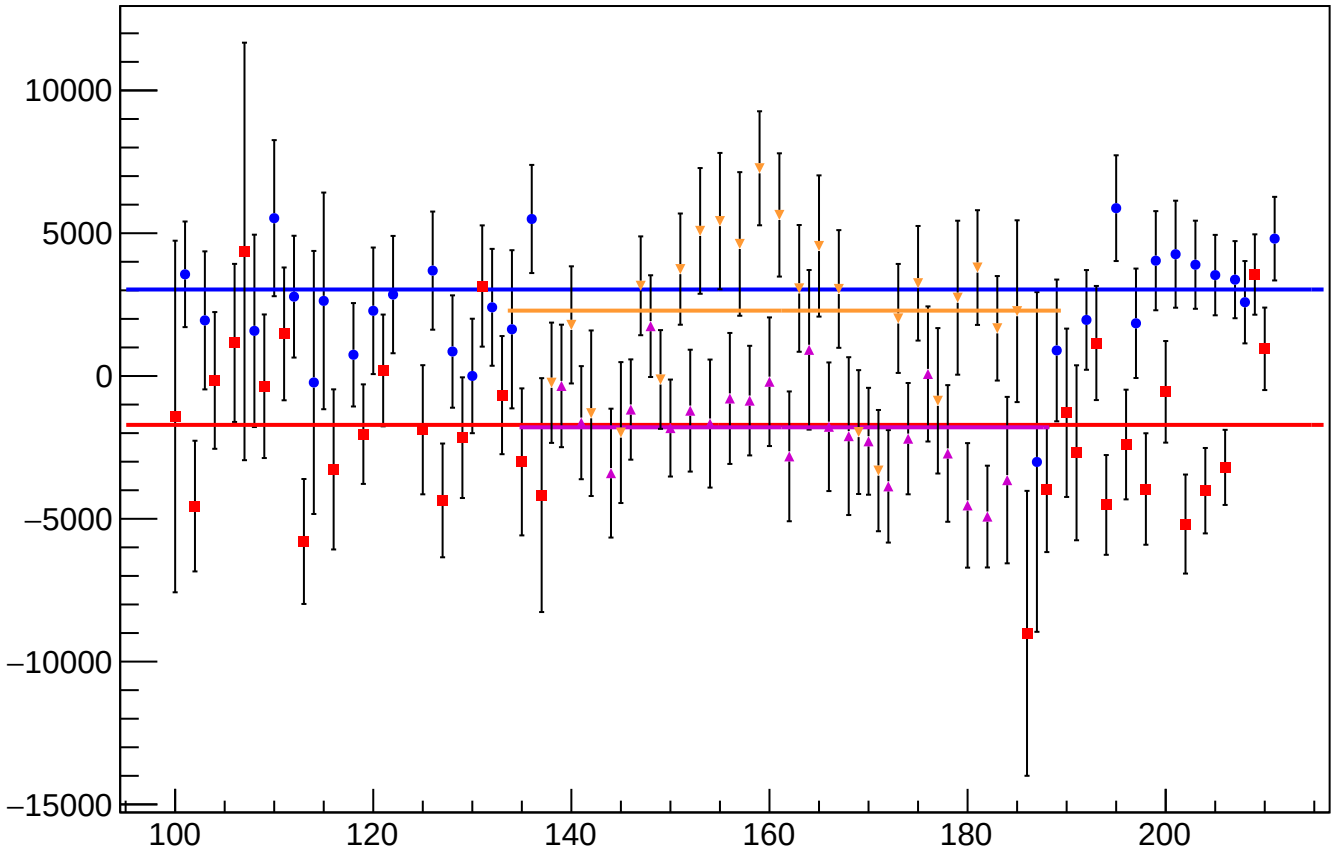
Right Out: 944.779+/-0.166 χ^2/NDF: 3373152.9/31

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

+ sign 1084.084+/-0.137 χ^2/NDF: 7272484.8/51

All: 1096.225+/-0.097 χ^2/NDF: 14861304.1/1

- sign 1108.518+/-0.138 χ^2/NDF: 7573059.6/54



Right In: 3029.378+/-370.684 χ^2/NDF: 16.9/27

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

Right Out: -1711.347+/-367.821 χ^2/NDF: 53.5/31

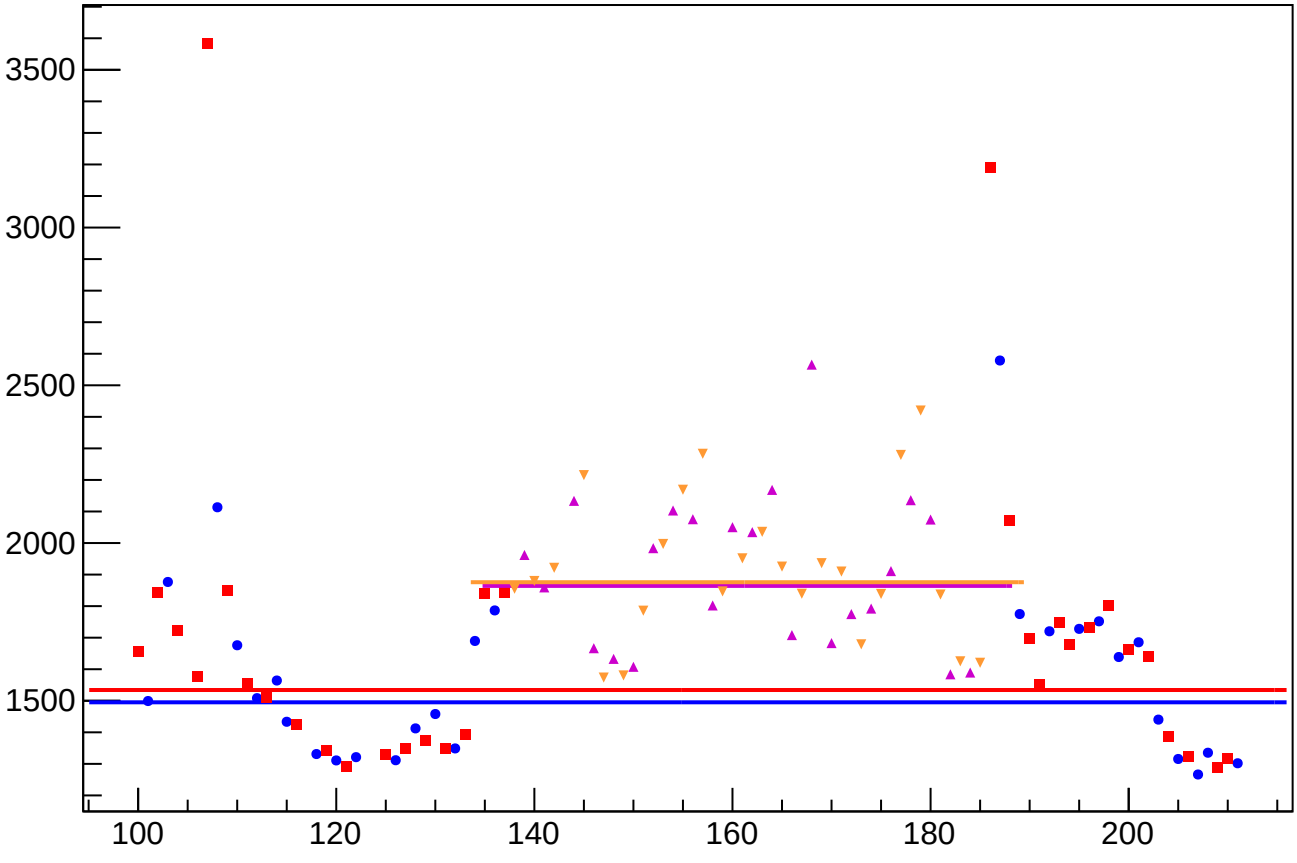
Left In: -1796.308+/-439.143 χ^2/NDF:14.2/22

+ sign 2721.777+/-283.310 χ^2/NDF: 54.6/51

All: 477.162+/-199.858 χ^2/NDF: 247.4/106

- sign -1746.377+/-281.977 χ^2/NDF: 67.8/54

asym_usl_rms vs Slug



Right In: 1495.132+/-0.262 χ^2/NDF: 637790.6/27

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

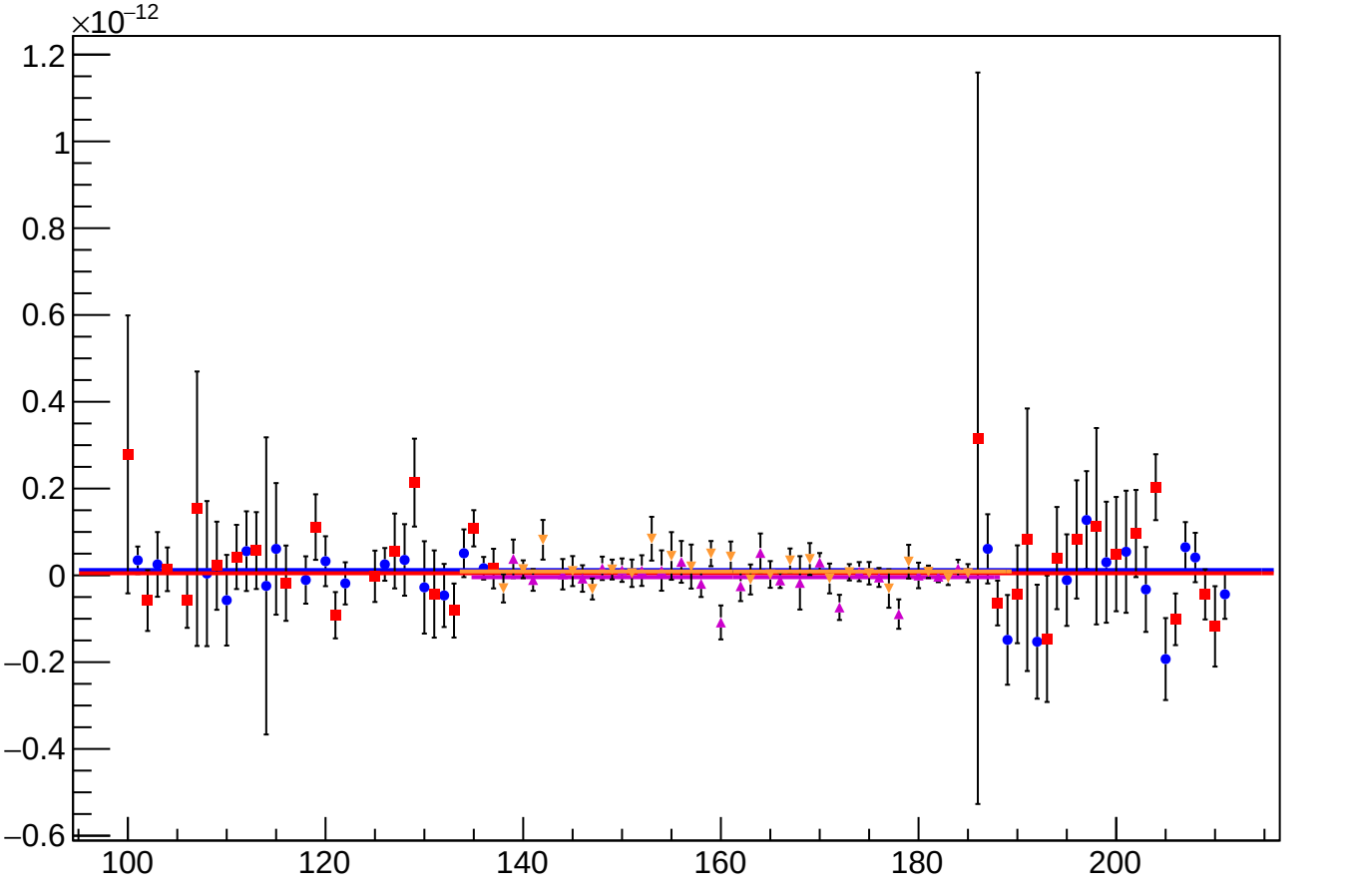
Right Out: 1534.127+/-0.260 χ^2/NDF: 1044073.6/31

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

+ sign 1653.444+/-0.200 χ^2/NDF: 1987558.1/51

All: 1661.862+/-0.141 χ^2/NDF: 4209633.7/10

- sign 1670.201+/-0.199 χ^2/NDF: 2218560.6/54



Right In: 0.000+/-0.000 χ^2/NDF: 16.1/27

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

Right Out: 0.000+/-0.000 χ^2/NDF: 39.0/31

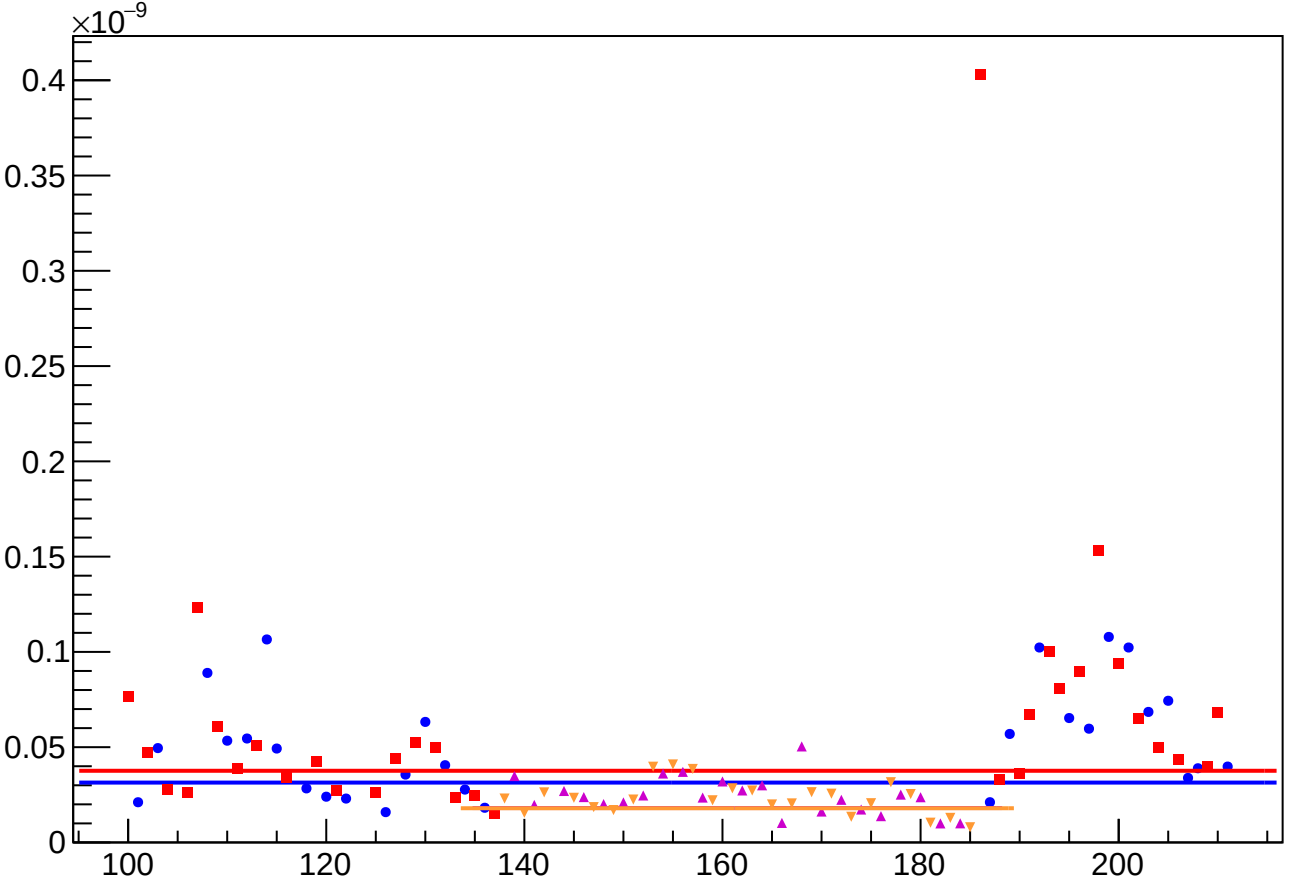
Left In: -0.000+/-0.000 χ^2/NDF:28.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 32.7/51

All: 0.000+/-0.000 χ^2/NDF: 103.3/106

- sign -0.000+/-0.000 χ^2/NDF: 67.5/54

asym_usl_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 5045896.4/27

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

Right Out: 0.000+/-0.000 χ^2/NDF: 4204576.1/31

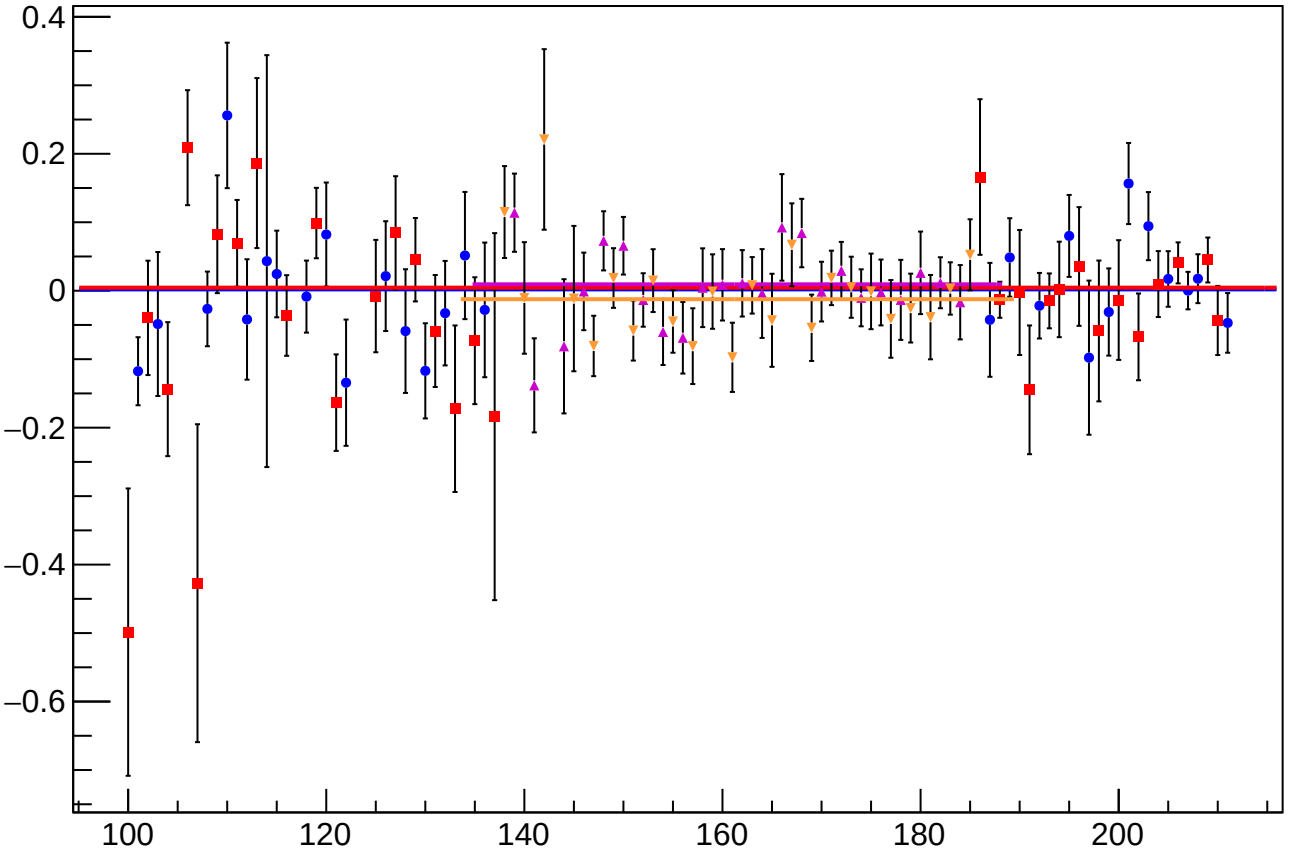
Left In: 0.000+/-0.000 χ^2/NDF:4180182.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 10682052.5/51

All: 0.000+/-0.000 χ^2/NDF: 22711601.2/106

- sign 0.000+/-0.000 χ^2/NDF: 12017954.5/54

asym_usl_dit_vs_cor_diff_mean vs Slug



Right In: 0.002+/-0.011 χ^2/NDF: 35.6/27

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

Right Out: 0.004+/-0.011 χ^2/NDF: 47.5/31

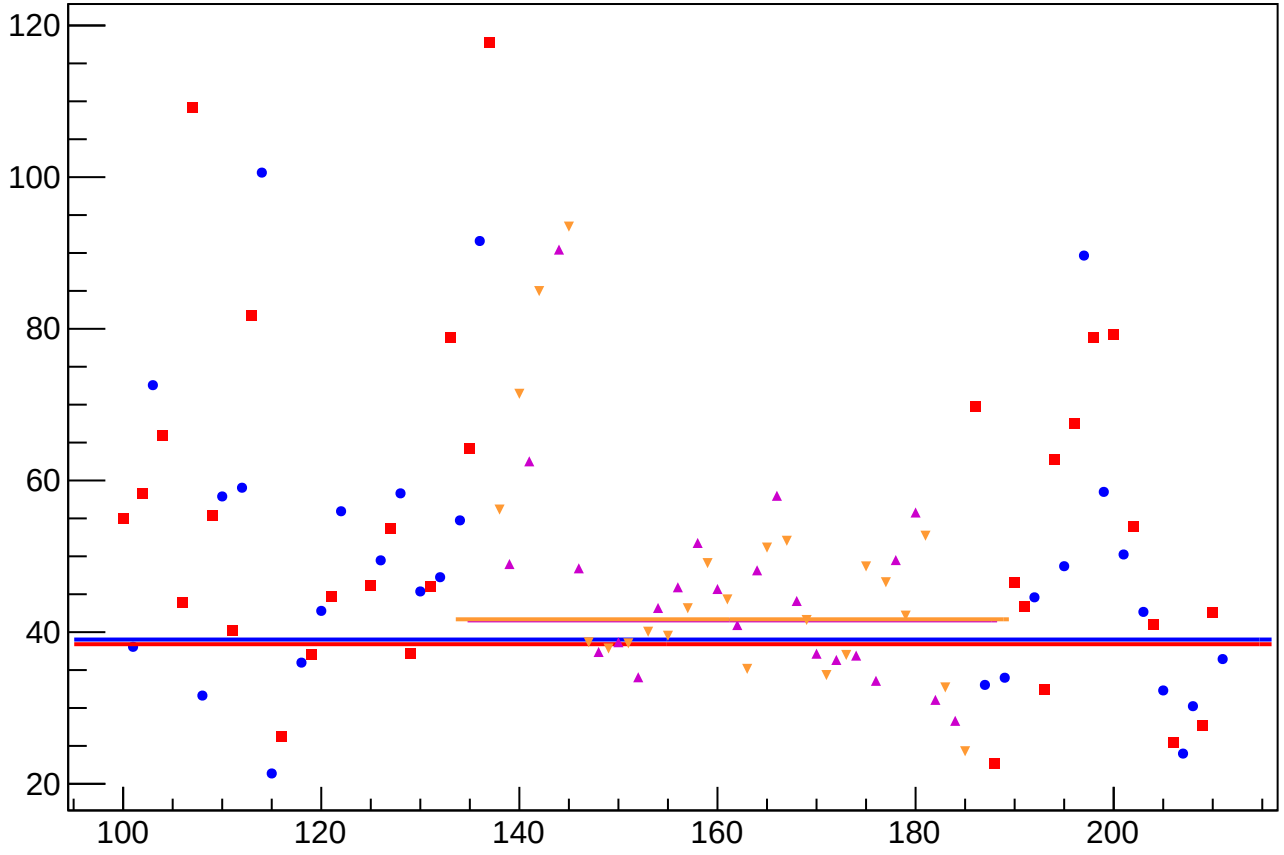
Left In: 0.009+/-0.010 χ^2/NDF:21.9/22

+ sign -0.006+/-0.008 χ^2/NDF: 58.4/51

All: 0.001+/-0.005 χ^2/NDF: 129.3/106

- sign 0.007+/-0.007 χ^2/NDF: 69.5/54

asym_usl_dit_vs_cor_diff_rms vs Slug



Right In: 39.027+/-0.008 χ^2/NDF: 3084778.5/27

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

Right Out: 38.411+/-0.008 χ^2/NDF: 4427304.2/31

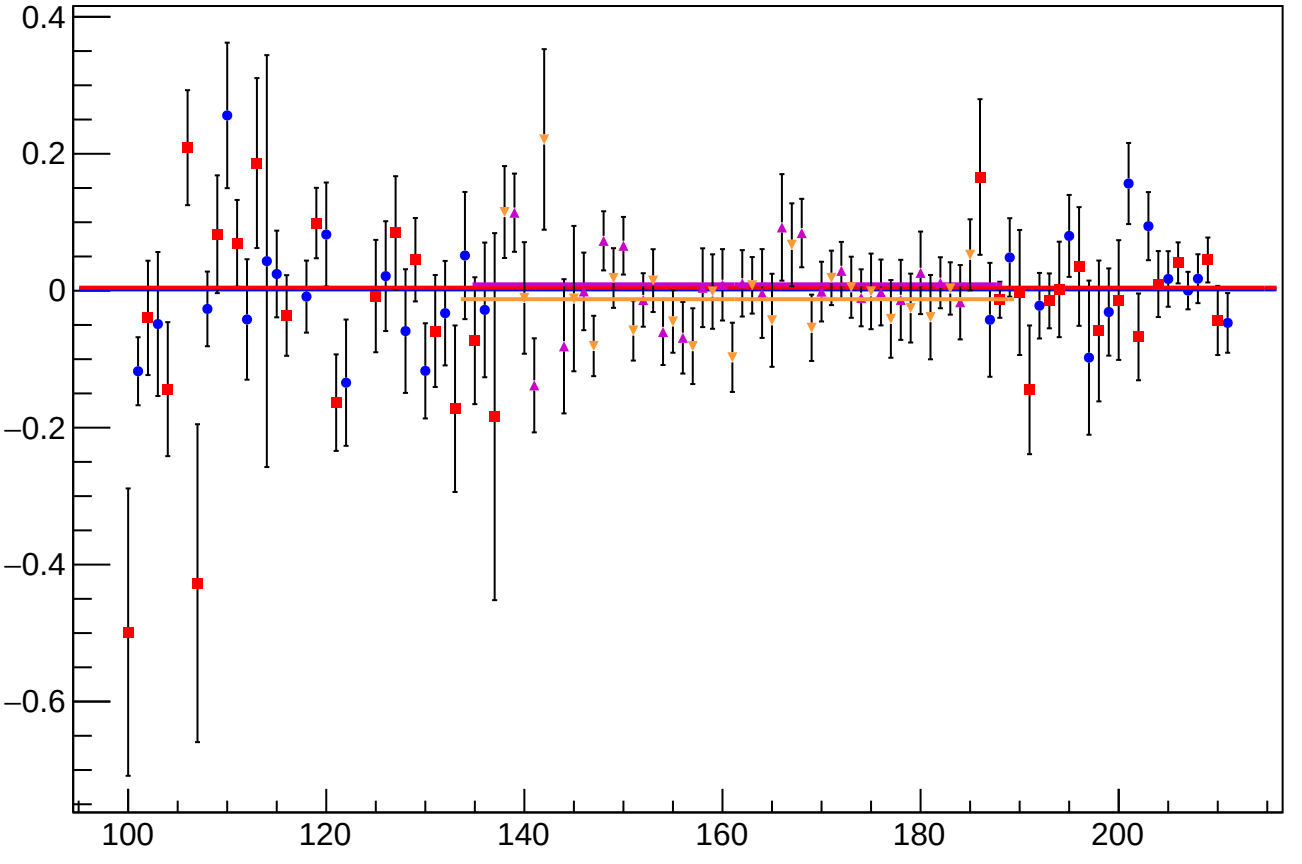
Left In: 41.550+/-0.007 χ^2/NDF:1612979.7/22

+ sign 40.423+/-0.005 χ^2/NDF: 4968193.0/51

All: 40.216+/-0.004 χ^2/NDF: 11099222.3/106

- sign 40.015+/-0.005 χ^2/NDF: 6128098.1/54

asym_usl_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.002+/-0.011 χ^2/NDF: 35.6/27

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

Right Out: 0.004+/-0.011 χ^2/NDF: 47.5/31

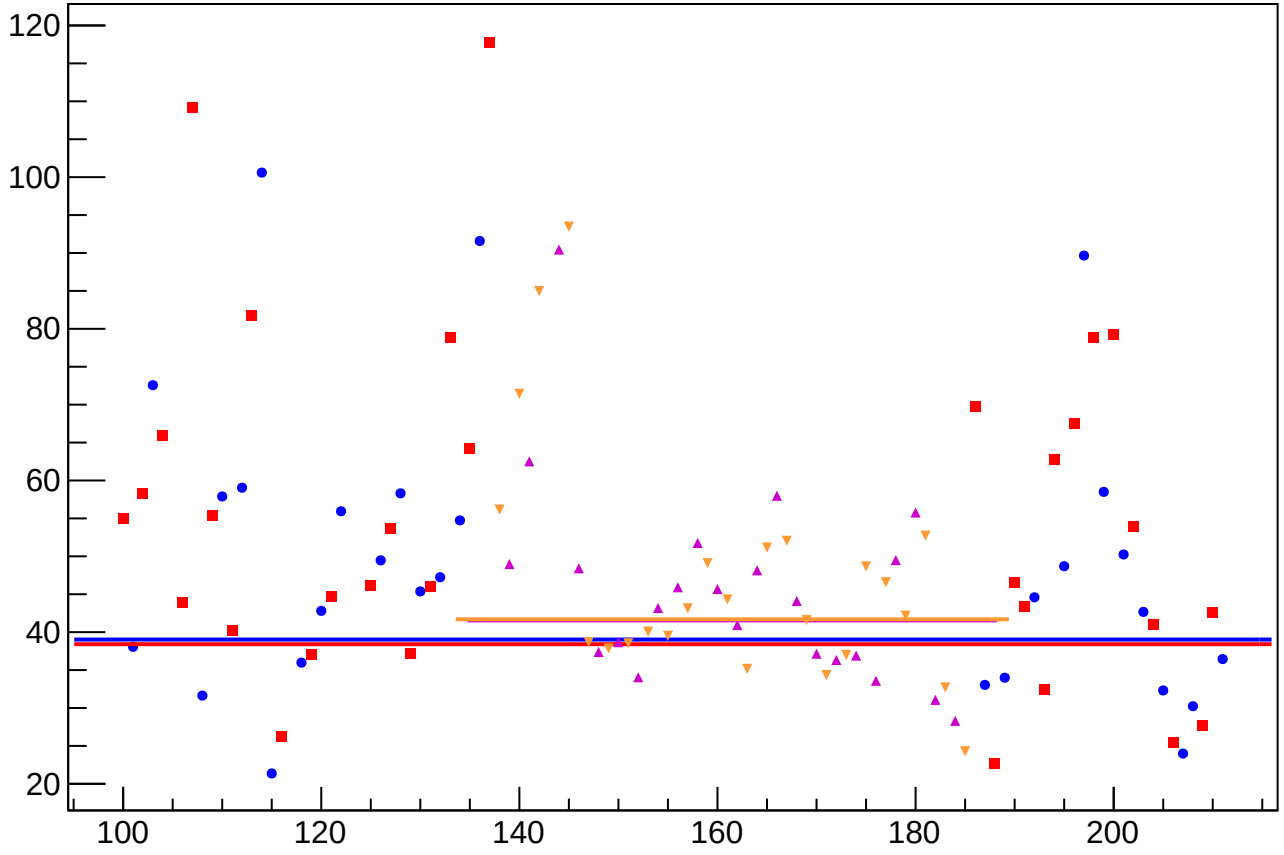
Left In: 0.009+/-0.010 χ^2/NDF:21.9/22

+ sign -0.006+/-0.008 χ^2/NDF: 58.4/51

All: 0.001+/-0.005 χ^2/NDF: 129.3/106

- sign 0.007+/-0.007 χ^2/NDF: 69.5/54

asym_usl_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 39.027+/-0.008 χ^2/NDF: 3084778.5/27

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

Right Out: 38.411+/-0.008 χ^2/NDF: 4427304.2/31

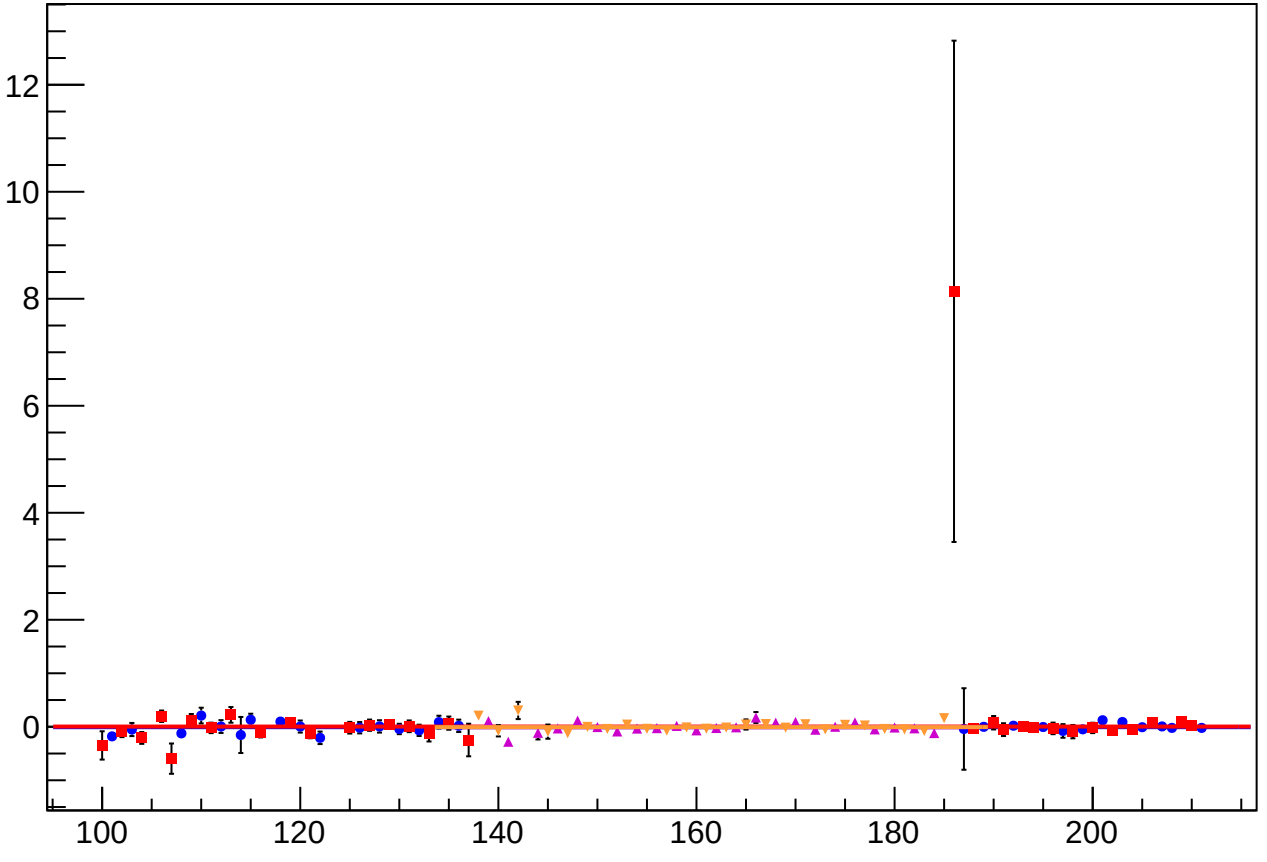
Left In: 41.550+/-0.007 χ^2/NDF:1612979.7/22

+ sign 40.423+/-0.005 χ^2/NDF: 4968193.0/51

All: 40.216+/-0.004 χ^2/NDF: 11099222.3/106

- sign 40.015+/-0.005 χ^2/NDF: 6128098.1/54

asym_usl_dit_vs_overload_cor_diff_mean vs Slug



Right In: -0.008+/-0.016 χ^2/NDF: 24.6/27

Left Out: -0.007+/-0.015 χ^2/NDF:23.7/23

Right Out: 0.004+/-0.016 χ^2/NDF: 36.0/31

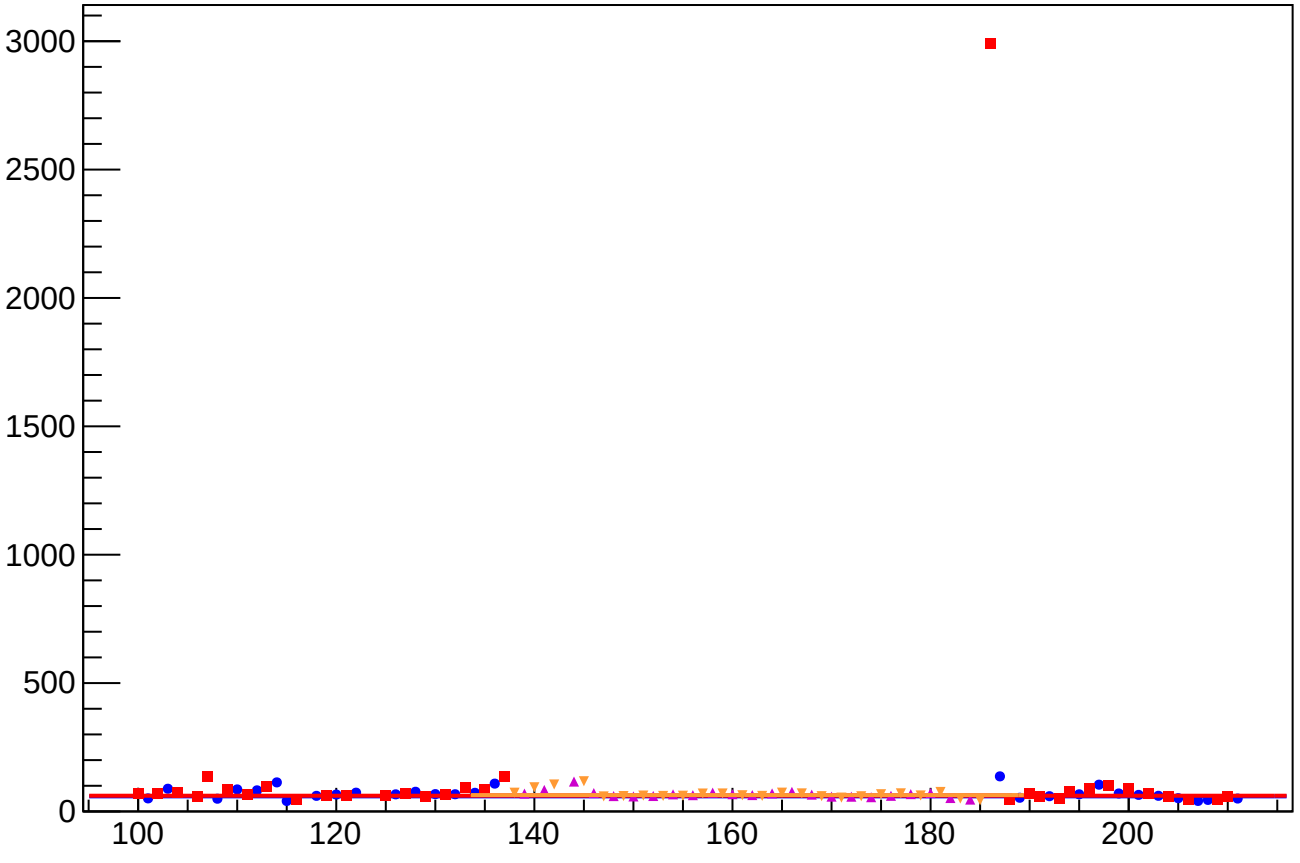
Left In: -0.008+/-0.015 χ^2/NDF:28.1/22

+ sign -0.007+/-0.011 χ^2/NDF: 48.3/51

All: -0.005+/-0.008 χ^2/NDF: 112.9/106

- sign -0.002+/-0.011 χ^2/NDF: 64.5/54

asym_usl_dit_vs_overload_cor_diff_rms vs Slug



Right In: 58.741+/-0.011 χ^2/NDF: 1826473.5/27

Left Out: 63.779+/-0.011 χ^2/NDF:1078823.1/23

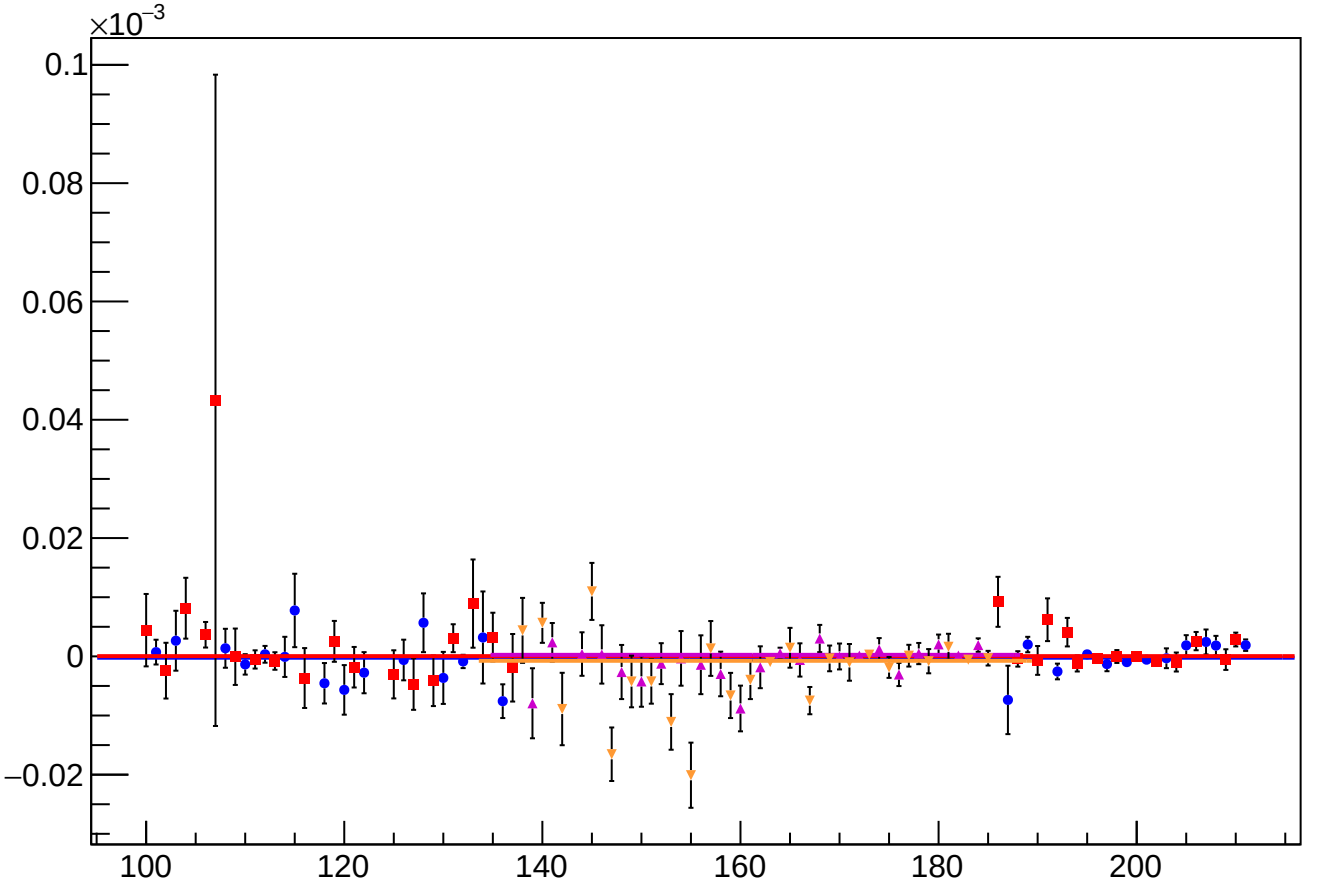
Right Out: 61.287+/-0.011 χ^2/NDF: 2721050.5/31

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

+ sign 61.301+/-0.008 χ^2/NDF: 3010461.5/51

All: 61.991+/-0.006 χ^2/NDF: 6617001.1/106

- sign 62.691+/-0.008 χ^2/NDF: 3590647.9/54



Right In: -0.000+/-0.000 χ^2/NDF: 37.3/27

Left Out: -0.000+/-0.000 χ^2/NDF:60.0/23

Right Out: 0.000+/-0.000 χ^2/NDF: 37.8/31

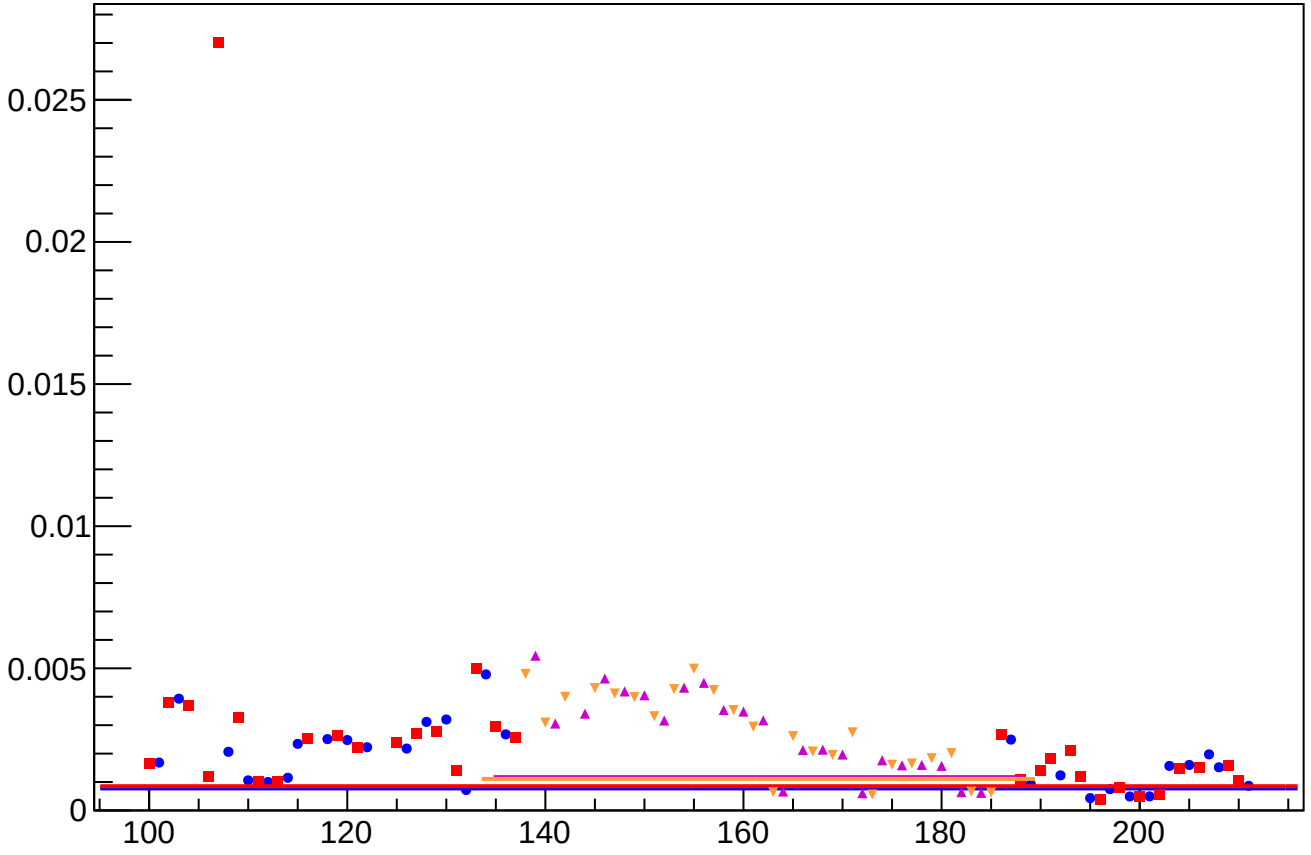
Left In: 0.000+/-0.000 χ^2/NDF:18.8/22

+ sign -0.000+/-0.000 χ^2/NDF: 98.9/51

All: -0.000+/-0.000 χ^2/NDF: 158.9/106

- sign 0.000+/-0.000 χ^2/NDF: 56.8/54

asym_usl_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 10141892.0/27

Left Out: 0.001+/-0.000 χ^2/NDF:15160045.8/23

Right Out: 0.001+/-0.000 χ^2/NDF: 11014373.6/31

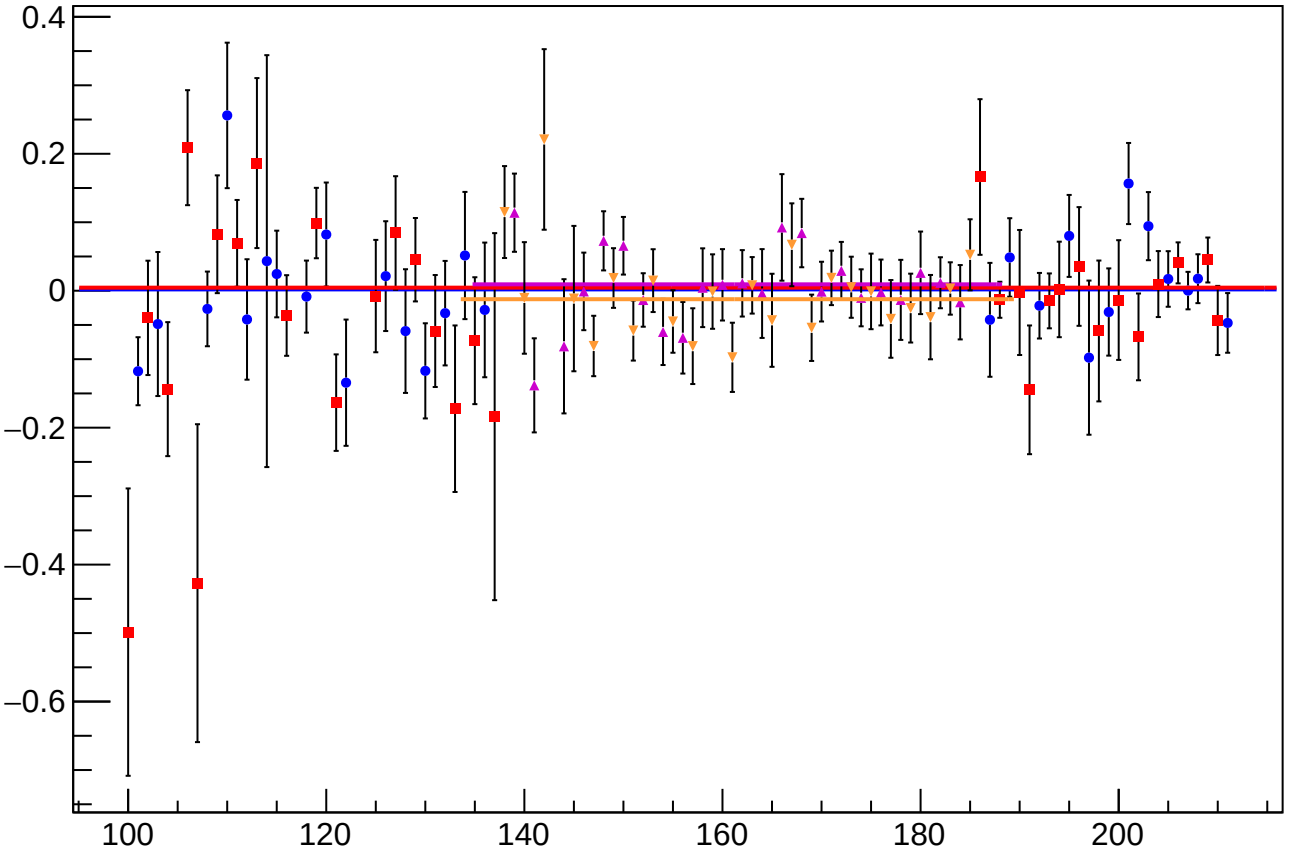
Left In: 0.001+/-0.000 χ^2/NDF:14252589.1/22

+ sign 0.001+/-0.000 χ^2/NDF: 26593688.8/51

All: 0.001+/-0.000 χ^2/NDF: 53053854.1/106

- sign 0.001+/-0.000 χ^2/NDF: 26311209.4/54

asym_usl_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.002+/-0.011 χ^2/NDF: 35.6/27

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

Right Out: 0.004+/-0.011 χ^2/NDF: 47.5/31

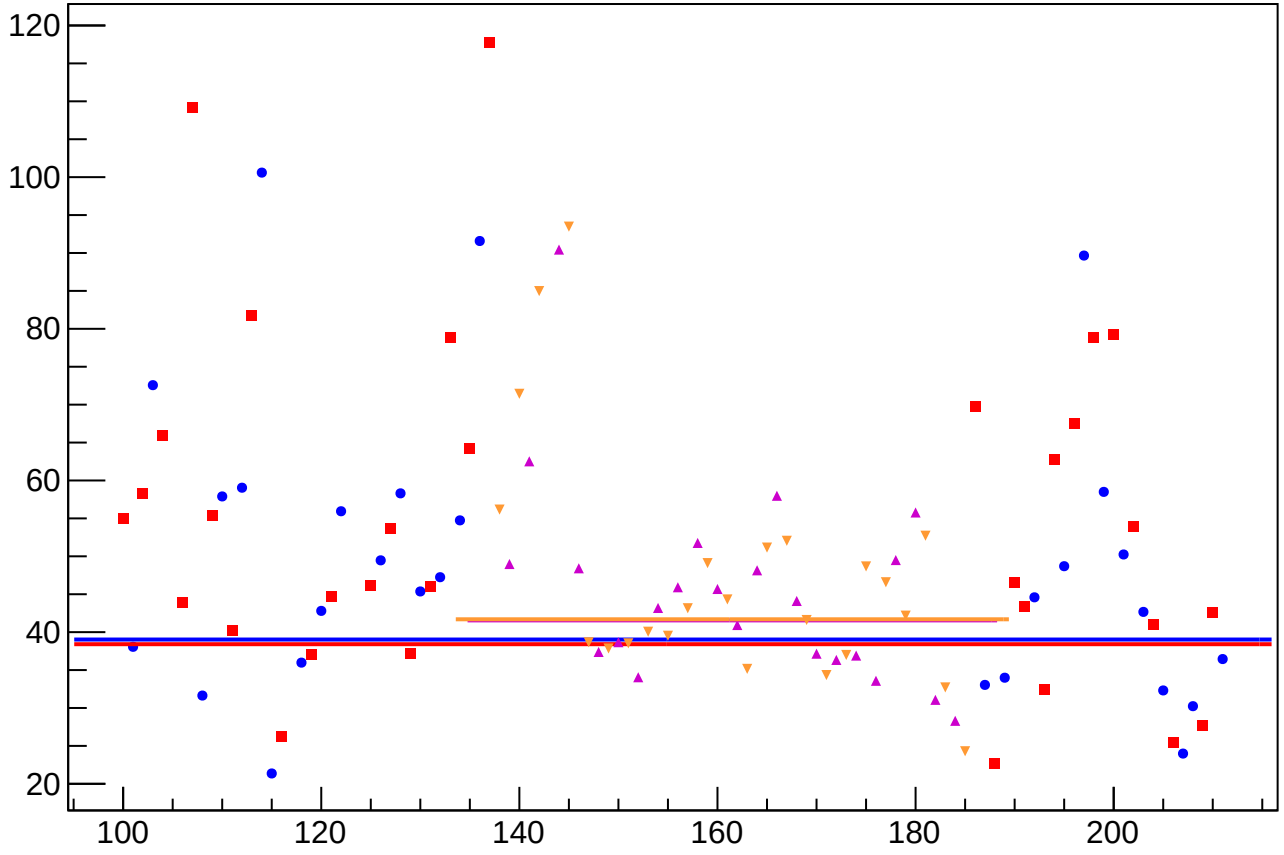
Left In: 0.009+/-0.010 χ^2/NDF:21.9/22

+ sign -0.006+/-0.008 χ^2/NDF: 58.4/51

All: 0.001+/-0.005 χ^2/NDF: 129.3/106

- sign 0.007+/-0.007 χ^2/NDF: 69.5/54

asym_usl_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 39.026+/-0.008 χ^2/NDF: 3084763.7/27

Left Out: 41.695+/-0.007 χ^2/NDF:1821753.6/23

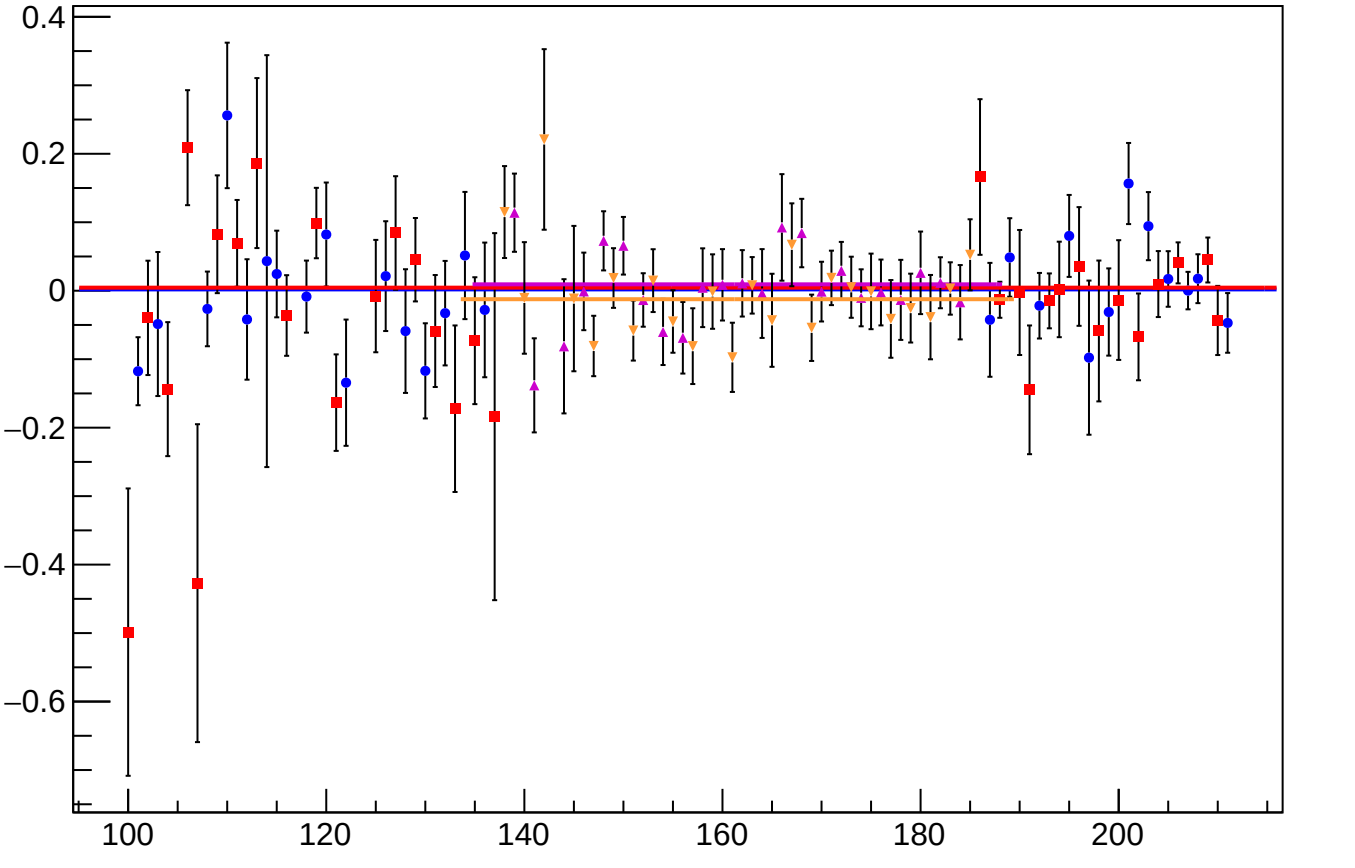
Right Out: 38.410+/-0.008 χ^2/NDF: 4427198.5/31

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

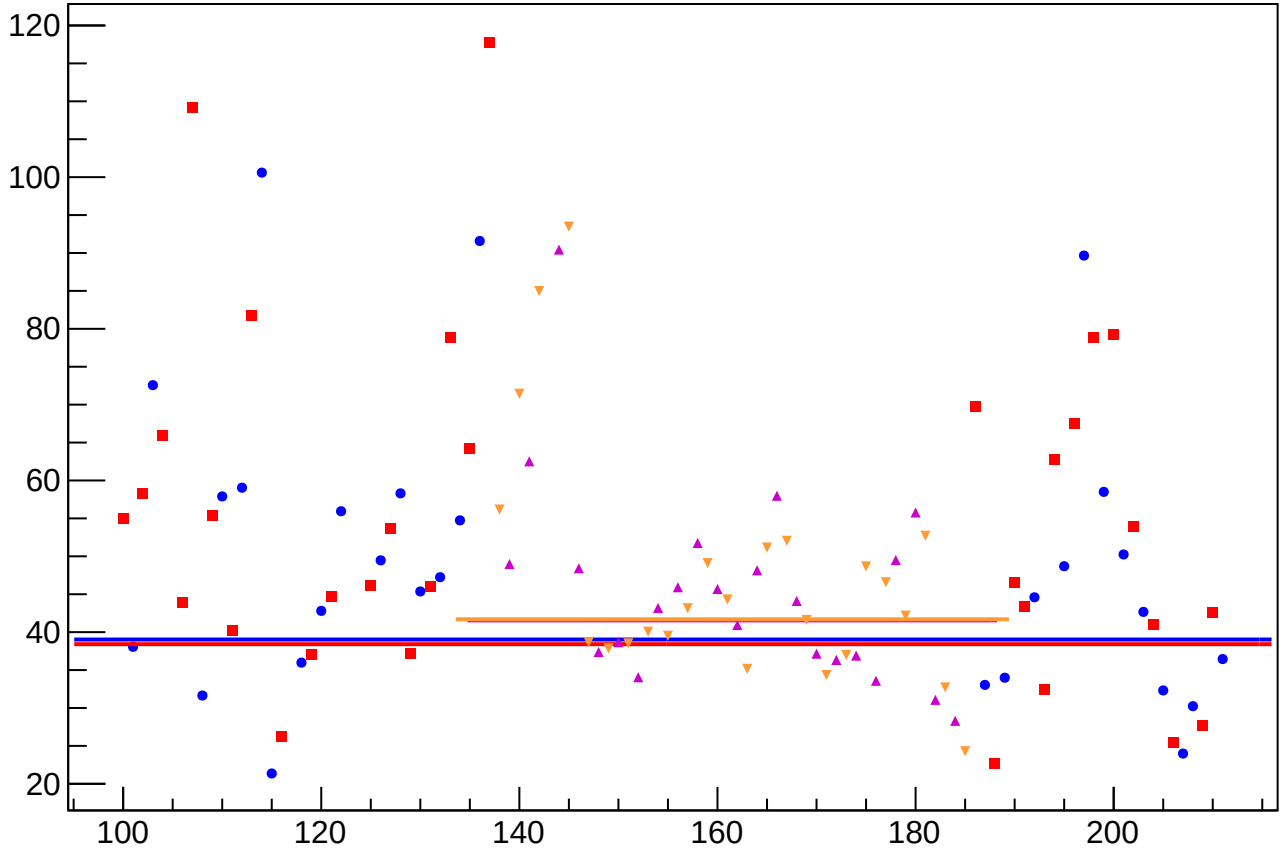
+ sign 40.423+/-0.005 χ^2/NDF: 4968157.1/51

All: 40.216+/-0.004 χ^2/NDF: 11099060.1/106

- sign 40.015+/-0.005 χ^2/NDF: 6127973.8/54


asym_usl_eigen_dit_vs_eigen_cor_diff_mean vs Slug
0.4
0.2
0
−0.2
−0.4
−0.6
100
120
140
160
180
200
Right In: 0.002+/-0.011 χ²/NDF: 35.6/27
Left Out: -0.012+/-0.010 χ²/NDF:21.9/23
Right Out: 0.004+/-0.011 χ²/NDF: 47.5/31
Left In: 0.009+/-0.010 χ²/NDF:21.9/22
+ sign -0.006+/-0.008 χ²/NDF: 58.4/51
All: 0.001+/-0.005 χ²/NDF: 129.3/106
- sign 0.007+/-0.007 χ²/NDF: 69.5/54

asym_usl_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 39.026+/-0.008 χ^2/NDF: 3084763.7/27

Left Out: 41.695+/-0.007 χ^2/NDF:1821753.6/23

Right Out: 38.410+/-0.008 χ^2/NDF: 4427198.5/31

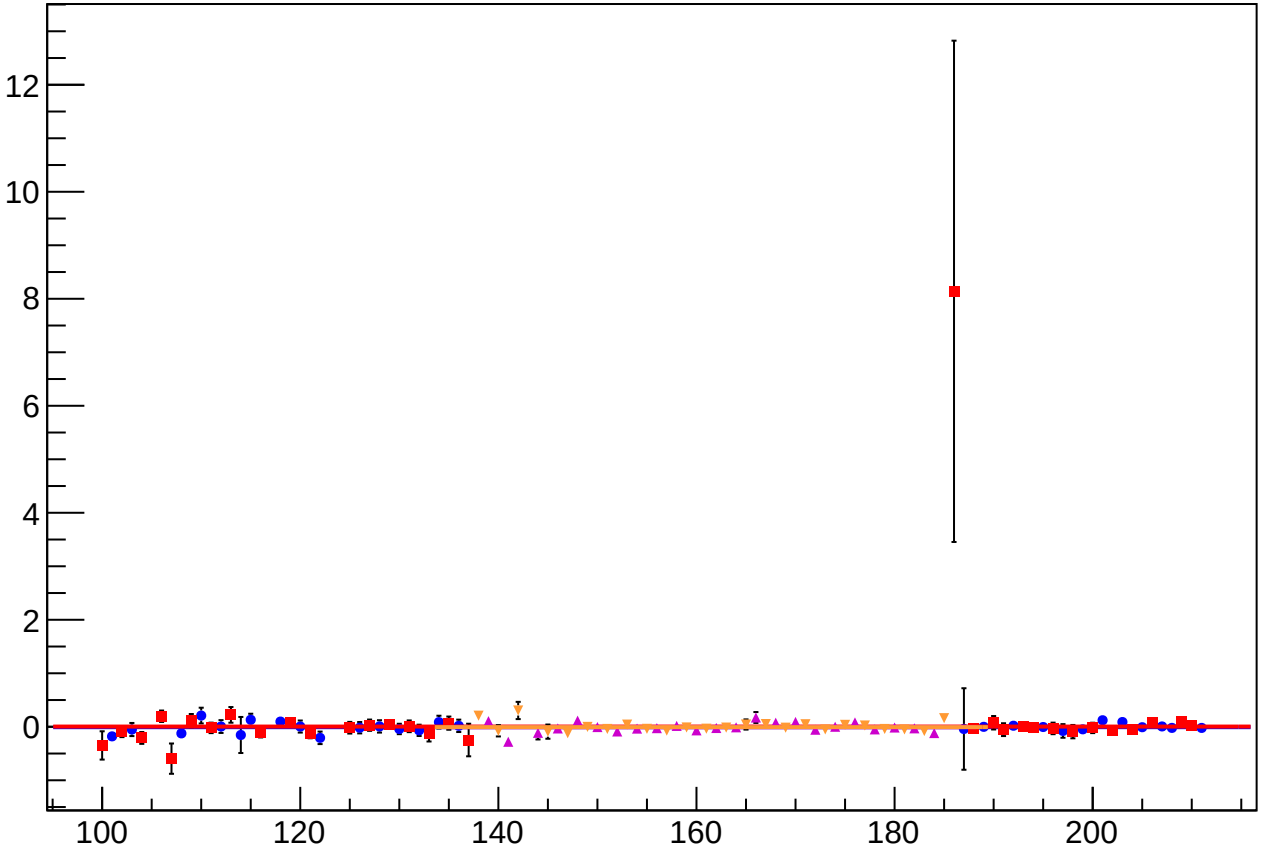
Left In: 41.551+/-0.007 χ^2/NDF:1612941.1/22

+ sign 40.423+/-0.005 χ^2/NDF: 4968157.1/51

All: 40.216+/-0.004 χ^2/NDF: 11099060.1/106

- sign 40.015+/-0.005 χ^2/NDF: 6127973.8/54

asym_usl_eigen_dit_vs_overload_cor_diff_mean vs Slug



Right In: -0.008+/-0.016 χ^2/NDF: 24.6/27

Left Out: -0.007+/-0.015 χ^2/NDF:23.7/23

Right Out: 0.004+/-0.016 χ^2/NDF: 36.0/31

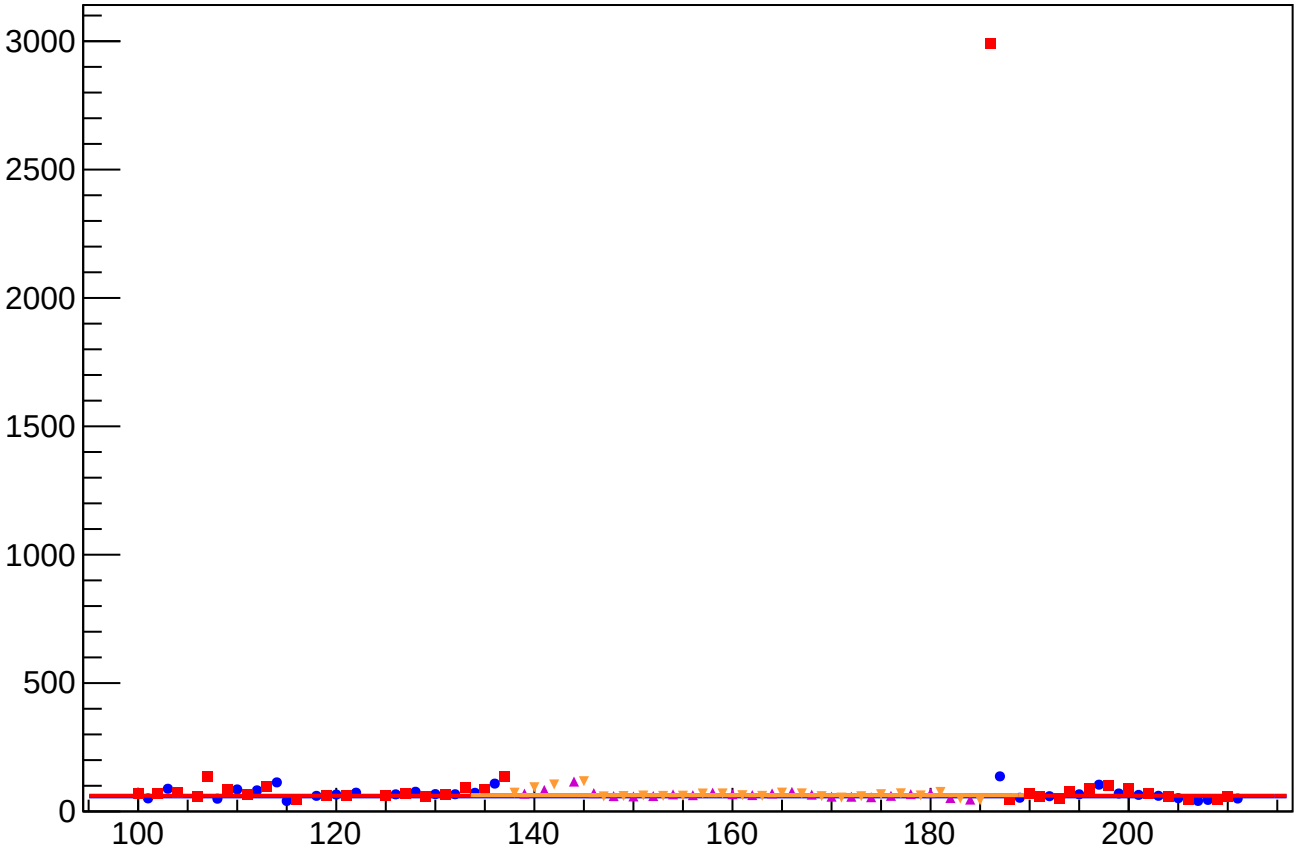
Left In: -0.008+/-0.015 χ^2/NDF:28.1/22

+ sign -0.007+/-0.011 χ^2/NDF: 48.3/51

All: -0.005+/-0.008 χ^2/NDF: 112.9/106

- sign -0.002+/-0.011 χ^2/NDF: 64.5/54

asym_usl_eigen_dit_vs_overload_cor_diff_rms vs Slug



Right In: 58.741+/-0.011 χ^2/NDF: 1826467.1/27

Left Out: 63.779+/-0.011 χ^2/NDF:1078810.5/23

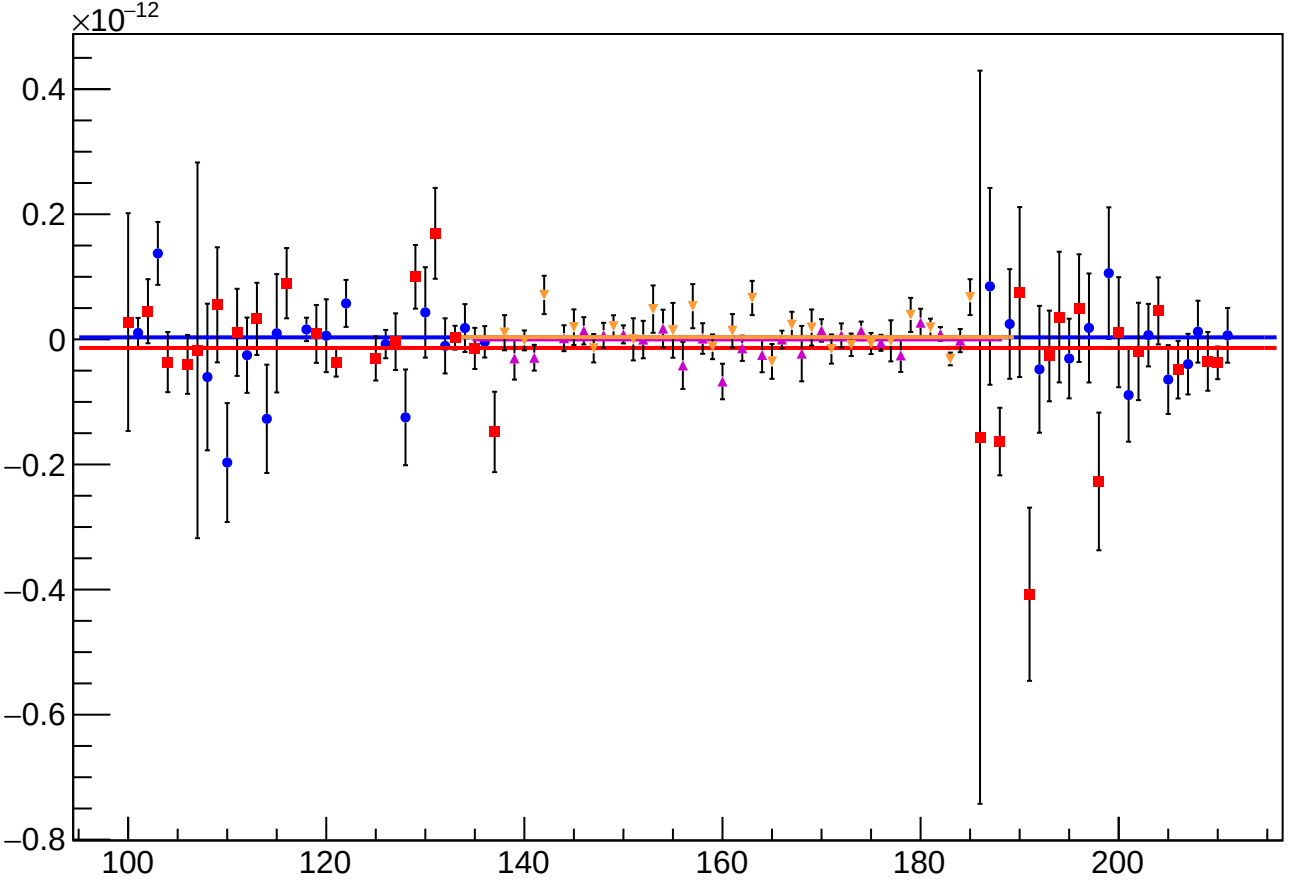
Right Out: 61.287+/-0.011 χ^2/NDF: 2721024.0/31

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

+ sign 61.301+/-0.008 χ^2/NDF: 3010452.8/51

All: 61.990+/-0.006 χ^2/NDF: 6616969.6/106

- sign 62.691+/-0.008 χ^2/NDF: 3590625.1/54



Right In: 0.000+/-0.000 χ^2/NDF: 26.3/27

Left Out: 0.000+/-0.000 χ^2/NDF:40.6/23

Right Out: -0.000+/-0.000 χ^2/NDF: 48.3/31

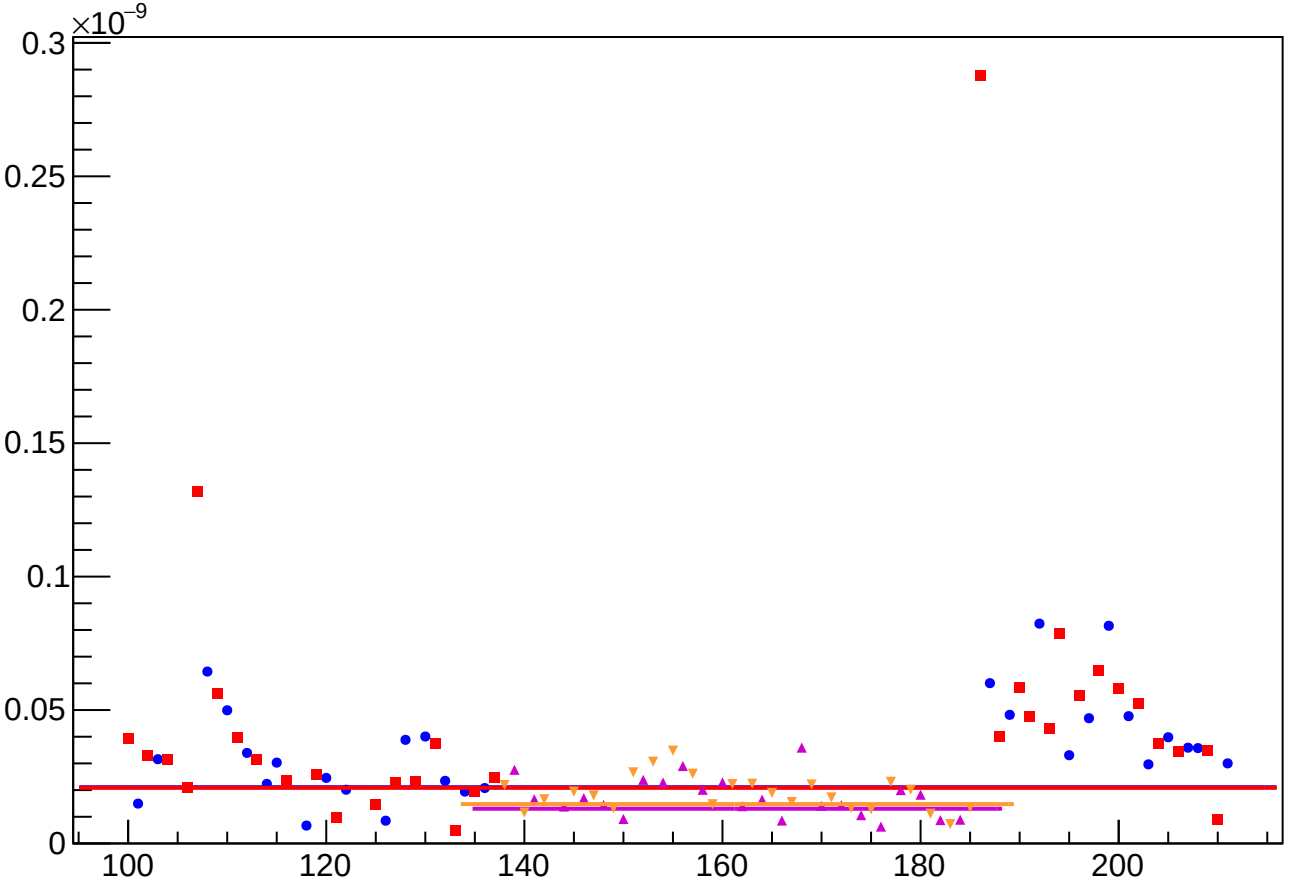
Left In: -0.000+/-0.000 χ^2/NDF:17.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 66.9/51

All: 0.000+/-0.000 χ^2/NDF: 135.9/106

- sign -0.000+/-0.000 χ^2/NDF: 67.6/54

asym_usl_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 5793021.8/27

Left Out: 0.000+/-0.000 χ^2/NDF:3531388.4/23

Right Out: 0.000+/-0.000 χ^2/NDF: 7067850.8/31

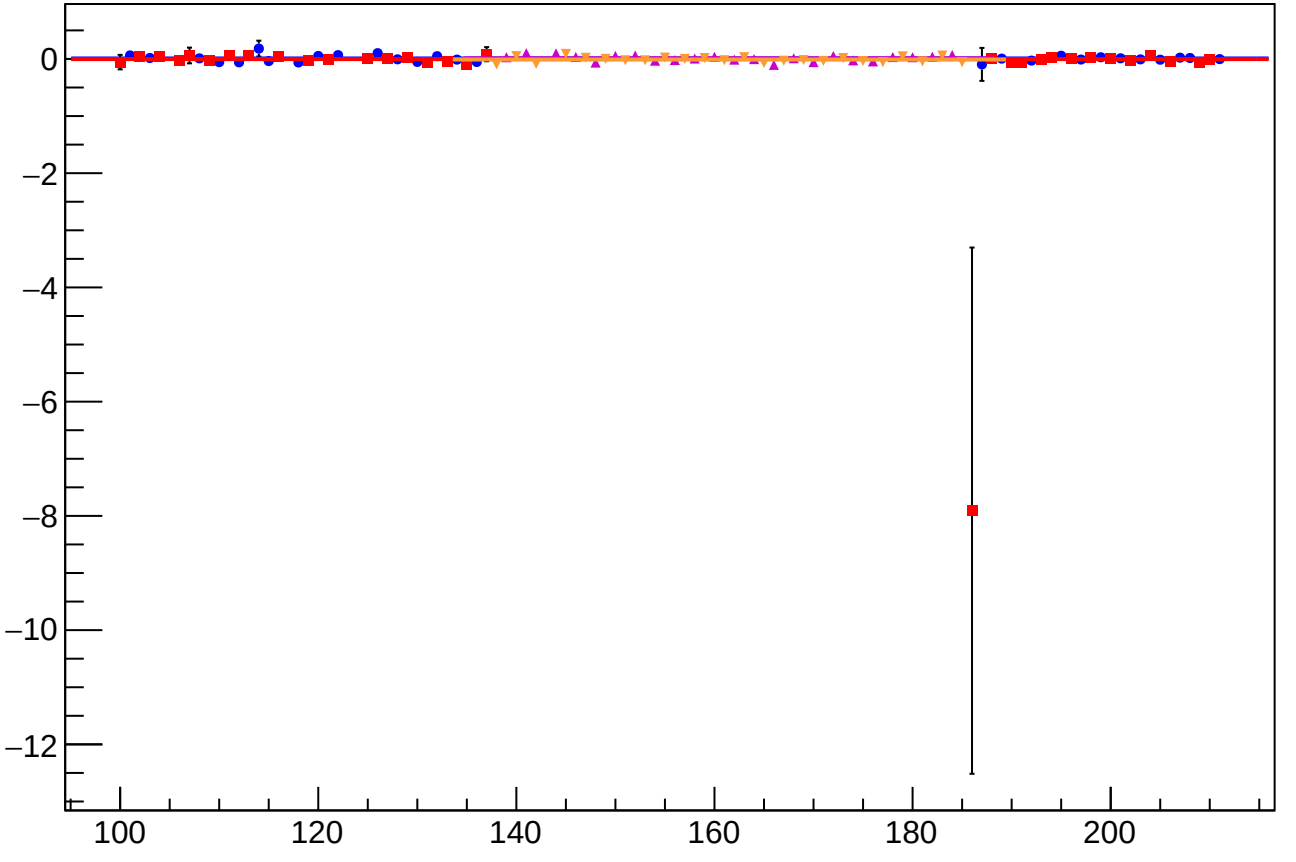
Left In: 0.000+/-0.000 χ^2/NDF:3925910.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 10243332.9/51

All: 0.000+/-0.000 χ^2/NDF: 22859440.9/106

- sign 0.000+/-0.000 χ^2/NDF: 12425517.2/54

asym_usl_overload_cor_vs_cor_diff_mean vs Slug



Right In: 0.008+/-0.008 χ^2/NDF: 19.7/27

Left Out: -0.010+/-0.009 χ^2/NDF:19.4/23

Right Out: -0.003+/-0.008 χ^2/NDF: 28.2/31

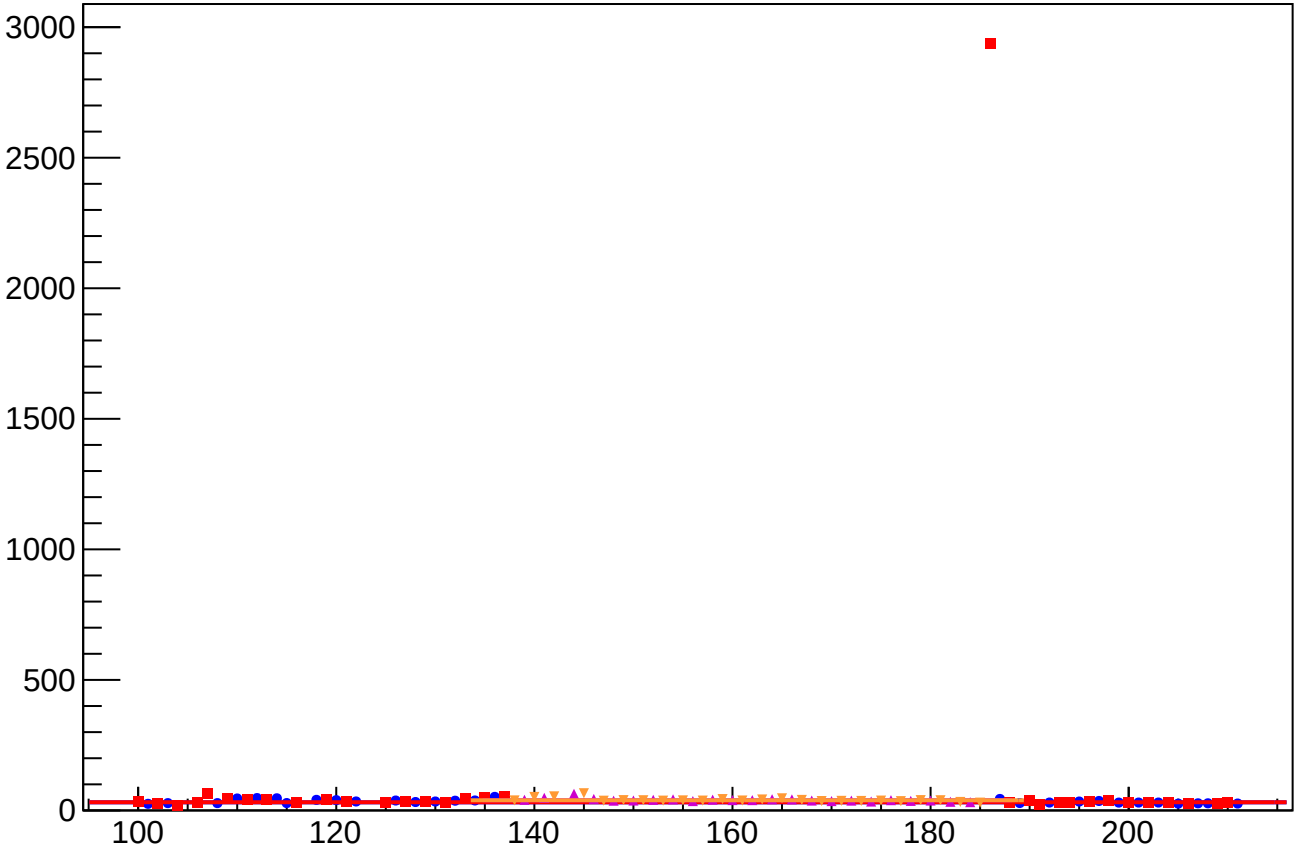
Left In: 0.011+/-0.010 χ^2/NDF:23.3/22

+ sign 0.001+/-0.006 χ^2/NDF: 41.2/51

All: 0.002+/-0.004 χ^2/NDF: 94.0/106

- sign 0.003+/-0.006 χ^2/NDF: 52.7/54

asym_usl_overload_cor_vs_cor_diff_rms vs Slug



Right In: 31.105+/-0.006 χ^2/NDF: 962067.0/27

Left Out: 38.972+/-0.007 χ^2/NDF:624525.1/23

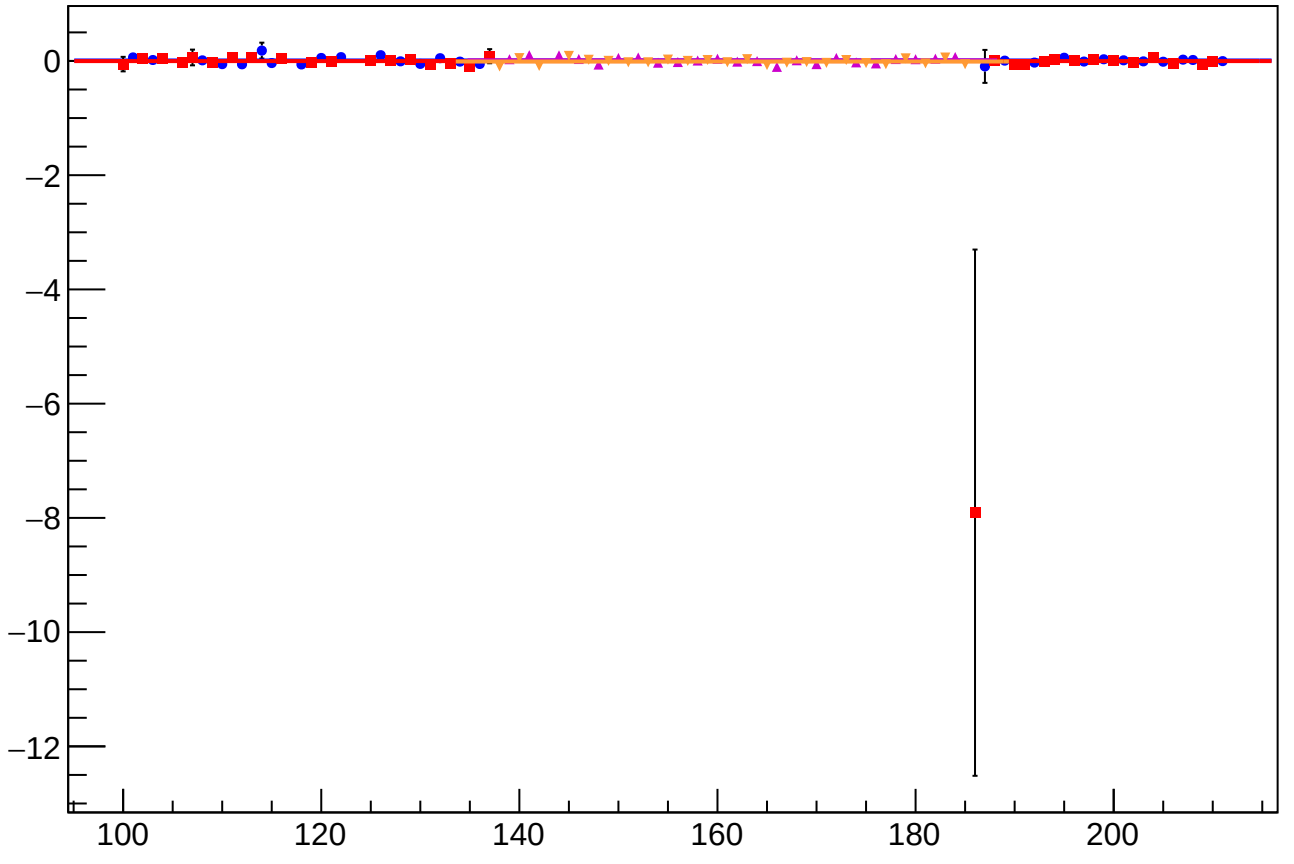
Right Out: 31.424+/-0.006 χ^2/NDF: 1986234.1/31

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

+ sign 34.462+/-0.004 χ^2/NDF: 2378866.3/51

All: 34.538+/-0.003 χ^2/NDF: 5662403.9/106

- sign 34.613+/-0.004 χ^2/NDF: 3282938.7/54



Right In: 0.008+/-0.008 χ^2/NDF: 19.7/27

Left Out: -0.010+/-0.009 χ^2/NDF:19.4/23

Right Out: -0.003+/-0.008 χ^2/NDF: 28.2/31

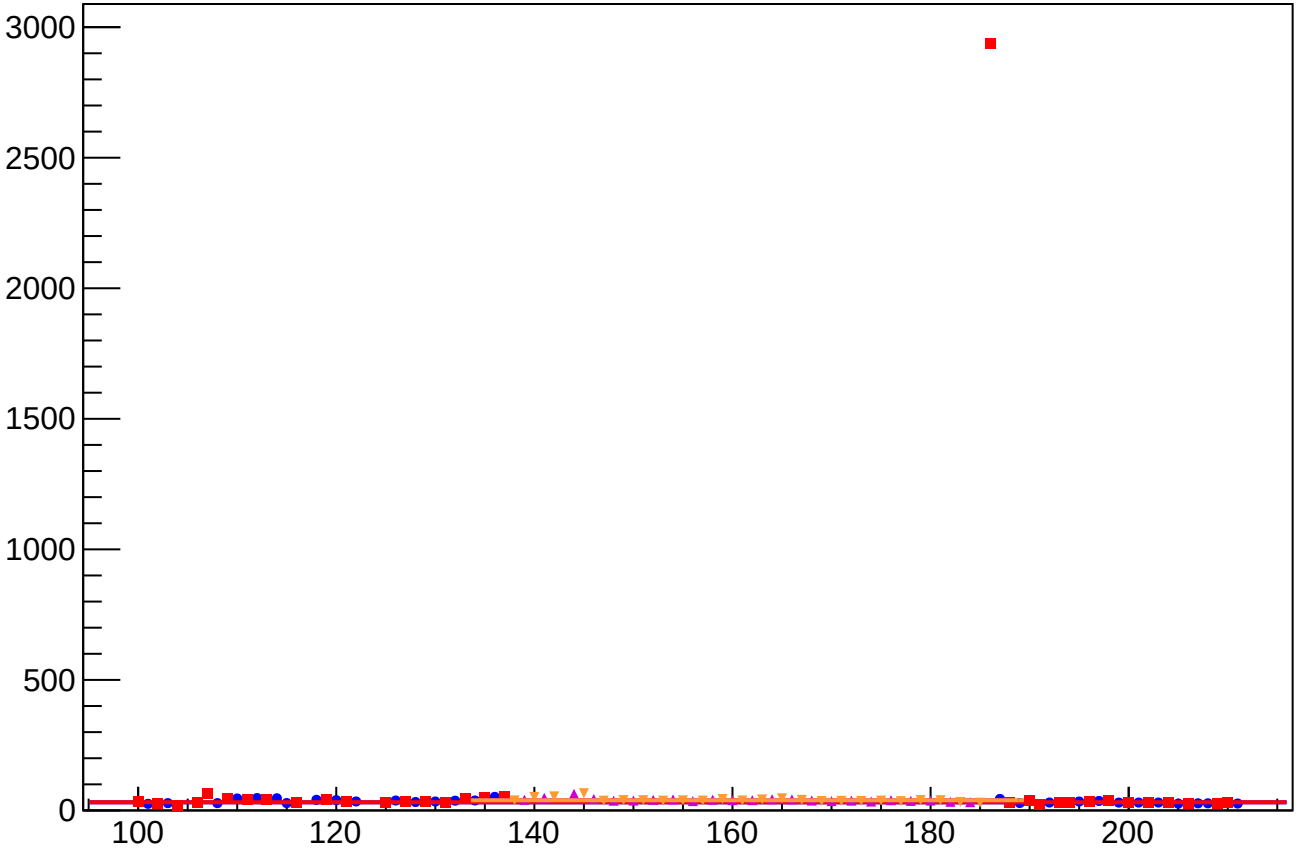
Left In: 0.011+/-0.010 χ^2/NDF:23.3/22

+ sign 0.001+/-0.006 χ^2/NDF: 41.2/51

All: 0.002+/-0.004 χ^2/NDF: 94.0/106

- sign 0.003+/-0.006 χ^2/NDF: 52.7/54

asym_usl_overload_cor_vs_eigen_cor_diff_rms vs Slug



Right In: 31.105+/-0.006 χ^2/NDF: 962067.0/27

Left Out: 38.972+/-0.007 χ^2/NDF:624525.1/23

Right Out: 31.424+/-0.006 χ^2/NDF: 1986234.1/31

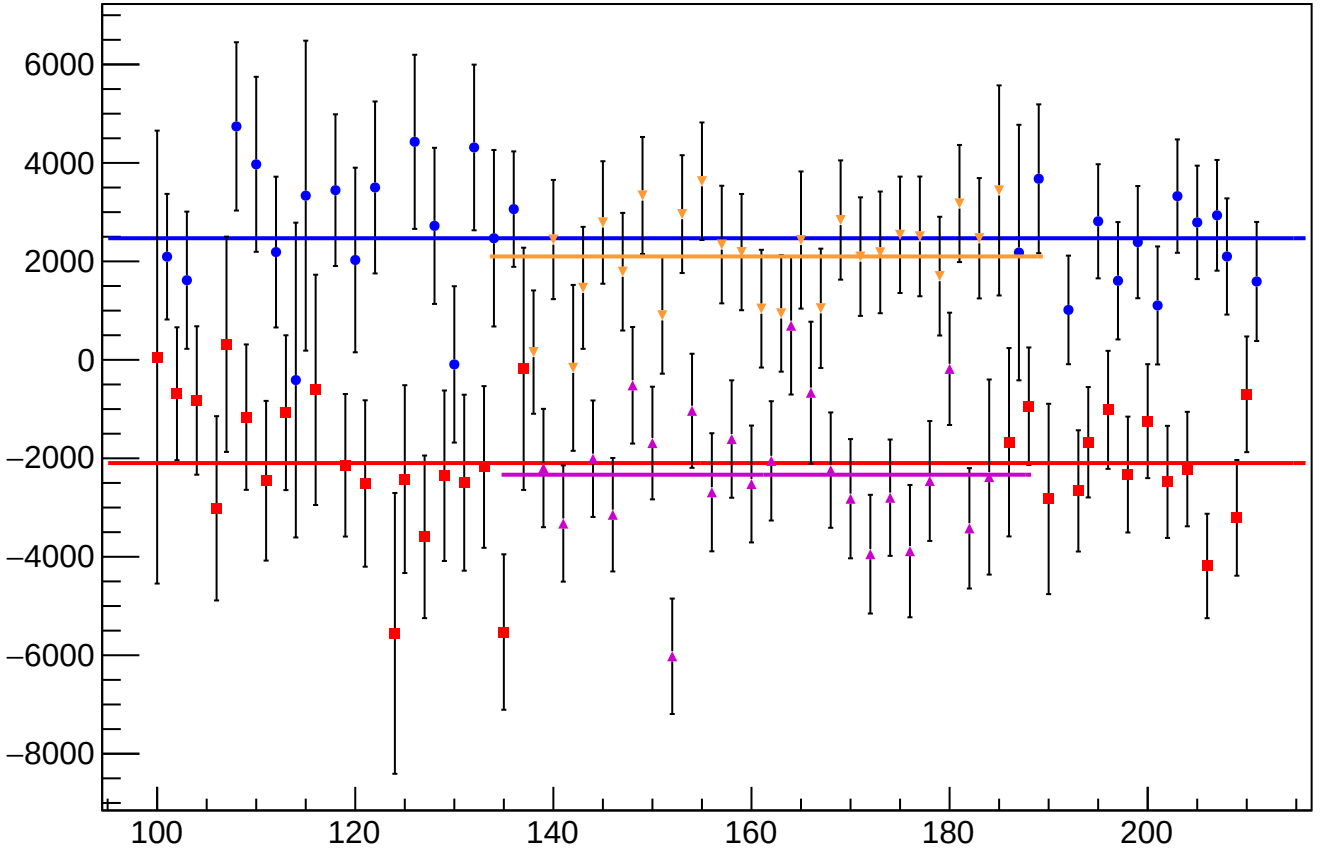
Left In: 39.179+/-0.007 χ^2/NDF:521827.1/22

\+ sign 34.462+/-0.004 χ^2/NDF: 2378866.3/51

All: 34.538+/-0.003 χ^2/NDF: 5662403.9/106

\- sign 34.613+/-0.004 χ^2/NDF: 3282938.7/54

reg_asym_usr_mean vs Slug



Right In: 2470.127+/-267.491 χ^2/NDF: 15.7/27

Left Out: 2100.398+/-248.306 χ^2/NDF:13.8/24

Right Out: -2096.457+/-259.539 χ^2/NDF: 21.7/31

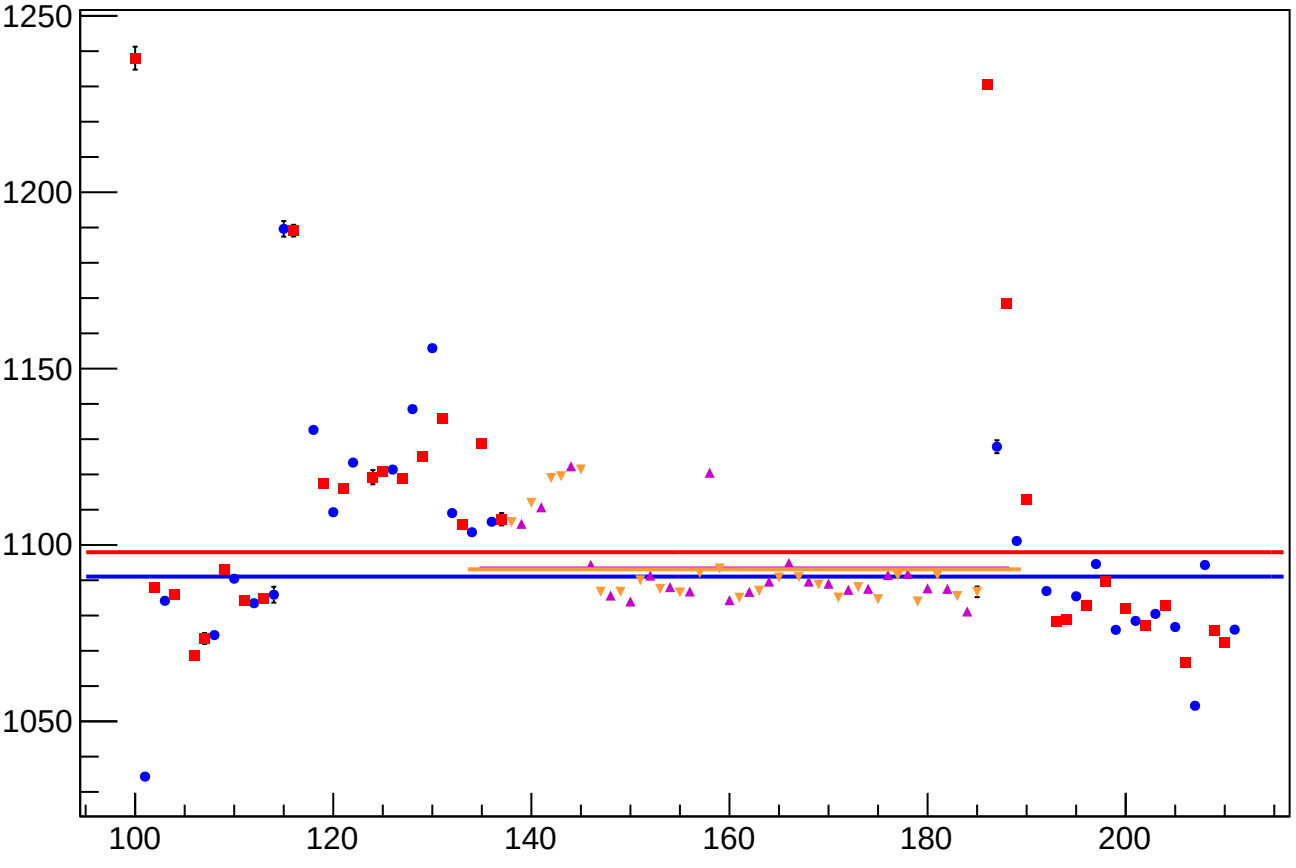
Left In: -2332.954+/-255.284 χ^2/NDF:29.5/22

+ sign 2271.530+/-181.984 χ^2/NDF: 30.6/52

All: 27.623+/-128.687 χ^2/NDF: 386.3/107

- sign -2216.660+/-181.999 χ^2/NDF: 51.6/54

reg_asym_usr_rms vs Slug



Right In: 1091.041+/-0.189 χ^2/NDF: 19000.6/27

Left Out: 1093.102+/-0.176 χ^2/NDF:3983.2/24

Right Out: 1097.944+/-0.184 χ^2/NDF: 32711.4/31

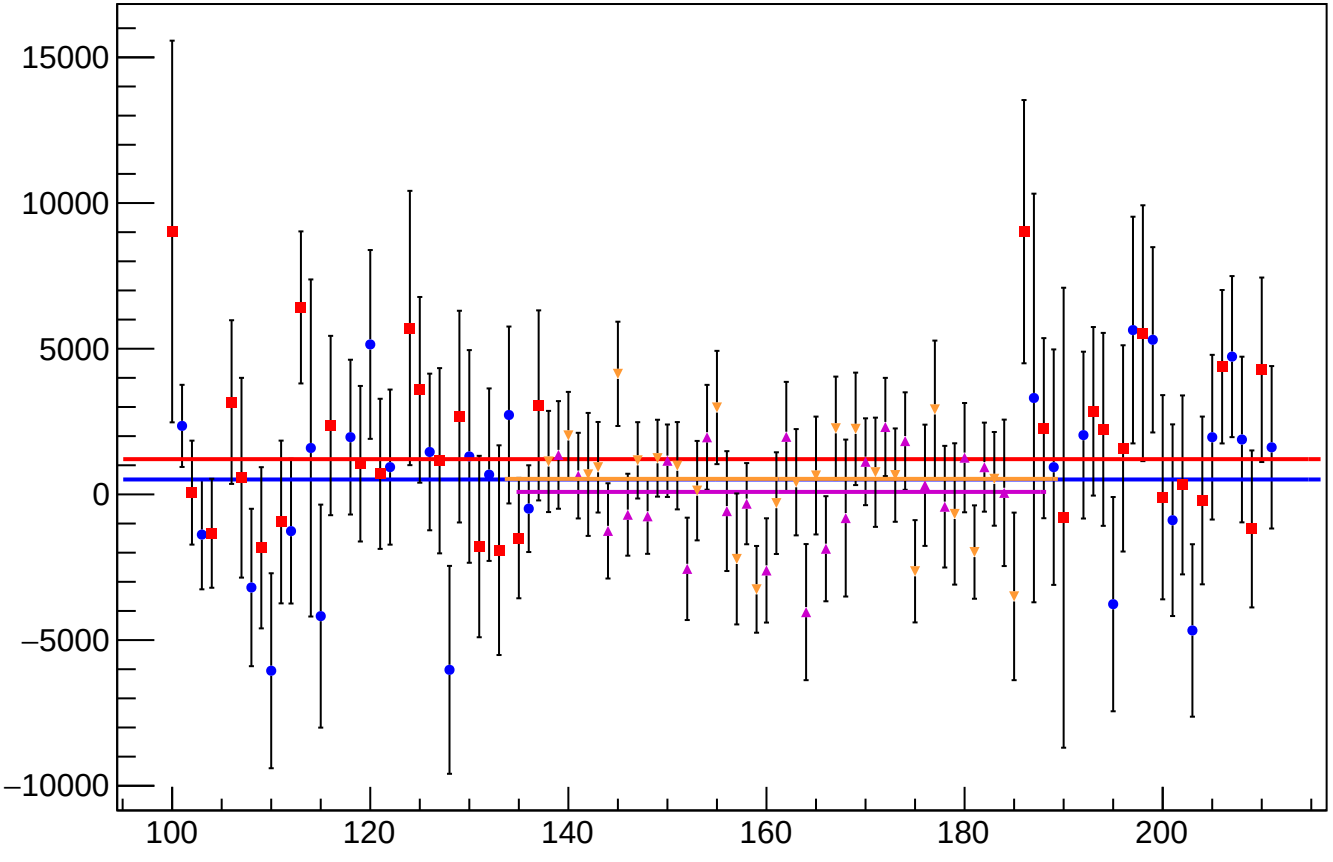
Left In: 1093.338+/-0.181 χ^2/NDF:3725.7/22

+ sign 1092.148+/-0.129 χ^2/NDF: 23047.6/52

All: 1093.875+/-0.091 χ^2/NDF: 60165.2/107

- sign 1095.603+/-0.129 χ^2/NDF: 36757.2/54

asym_usr_reg_correction_mean vs Slug



Right In: 512.275+/-514.678 χ^2/NDF: 29.4/27

Left Out: 532.982+/-347.223 χ^2/NDF:26.4/24

Right Out: 1209.971+/-522.225 χ^2/NDF: 23.7/31

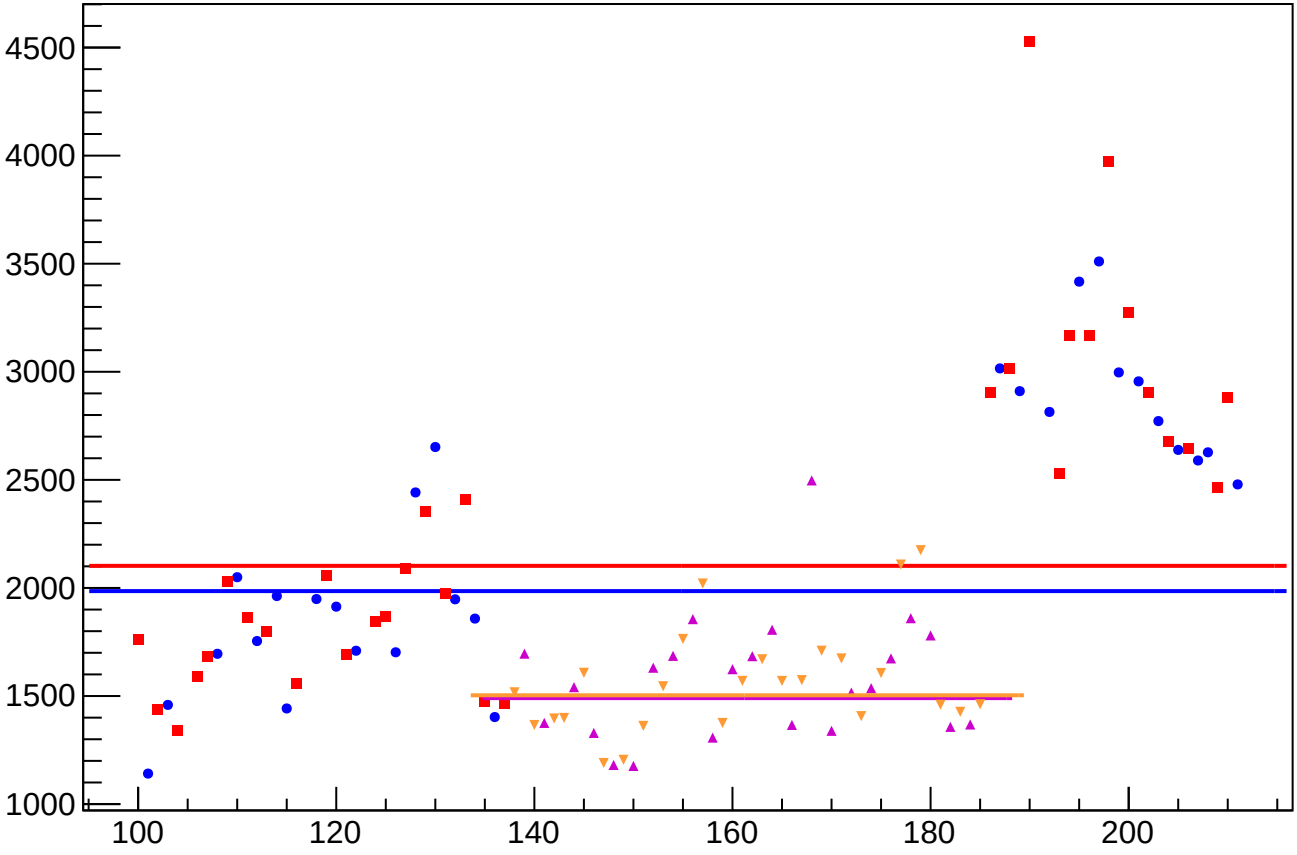
Left In: 85.329+/-353.933 χ^2/NDF:18.1/22

+ sign 526.505+/-287.843 χ^2/NDF: 55.9/52

All: 483.683+/-205.329 χ^2/NDF: 100.9/107

- sign 439.316+/-292.984 χ^2/NDF: 45.0/54

asym_usr_reg_correction_rms vs Slug



Right In: 1985.404+/-0.364 χ^2/NDF: 3221596.0/27

Left Out: 1503.437+/-0.246 χ^2/NDF:799670.9/24

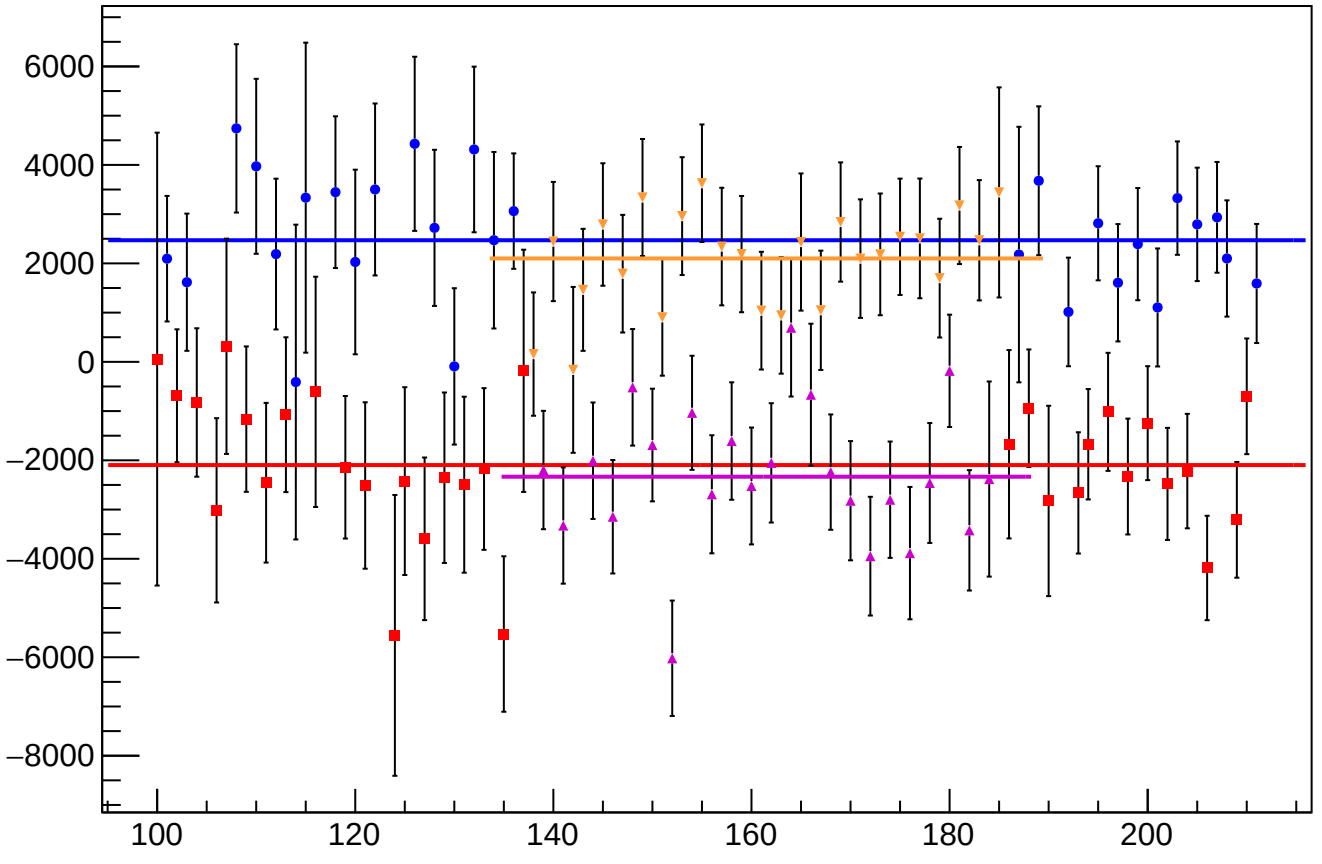
Right Out: 2102.229+/-0.369 χ^2/NDF: 3079390.2/31

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

+ sign 1654.187+/-0.204 χ^2/NDF: 5226545.7/52

All: 1668.298+/-0.145 χ^2/NDF: 11165605.6/1

- sign 1682.918+/-0.207 χ^2/NDF: 5929273.2/54



Right In: 2470.127+/-267.491 χ^2/NDF: 15.7/27

Left Out: 2100.398+/-248.306 χ^2/NDF:13.8/24

Right Out: -2096.457+/-259.539 χ^2/NDF: 21.7/31

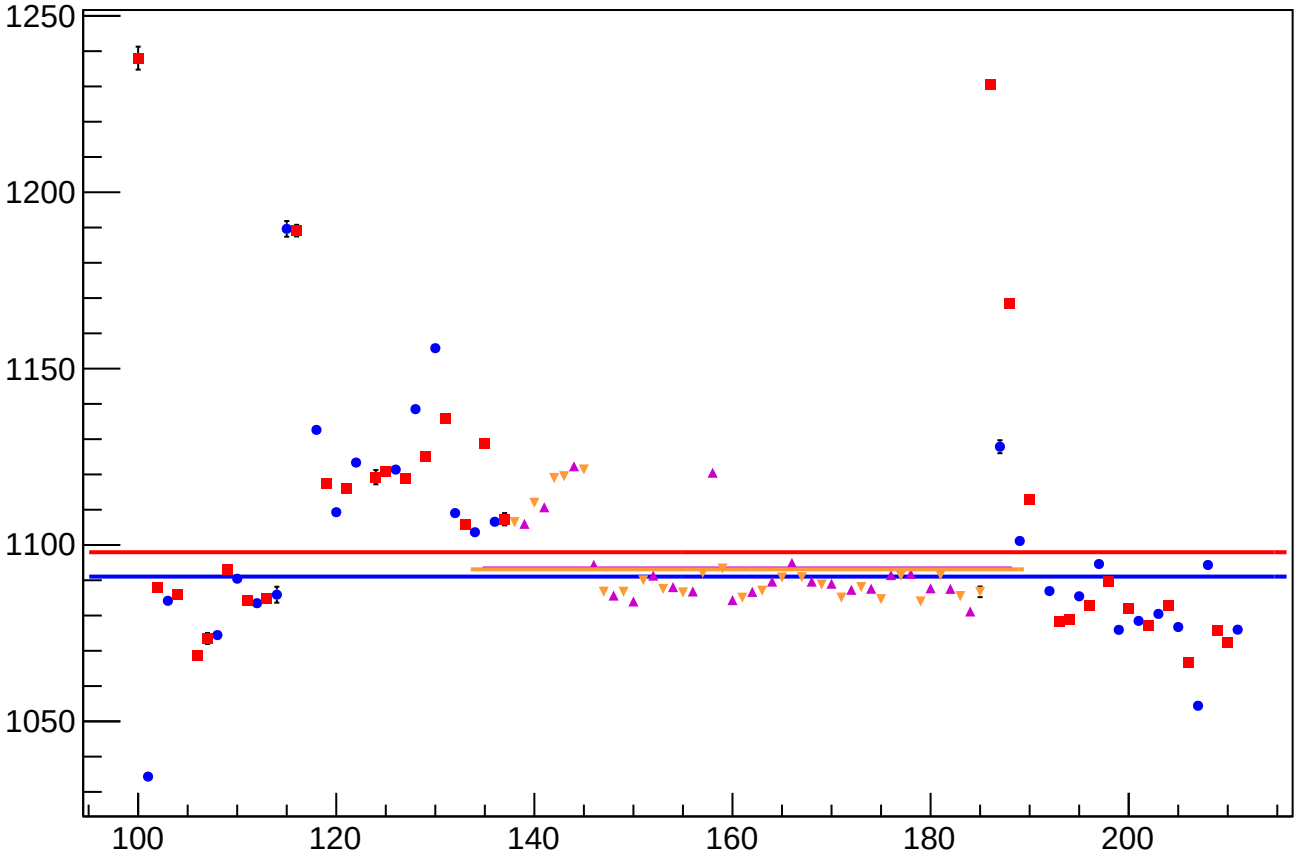
Left In: -2332.954+/-255.284 χ^2/NDF:29.5/22

+ sign 2271.530+/-181.984 χ^2/NDF: 30.6/52

All: 27.623+/-128.687 χ^2/NDF: 386.3/107

- sign -2216.660+/-181.999 χ^2/NDF: 51.6/54

cor_asym_usr_rms vs Slug



Right In: 1091.041+/-0.189 χ^2/NDF: 19000.6/27

Left Out: 1093.102+/-0.176 χ^2/NDF:3983.2/24

Right Out: 1097.944+/-0.184 χ^2/NDF: 32711.4/31

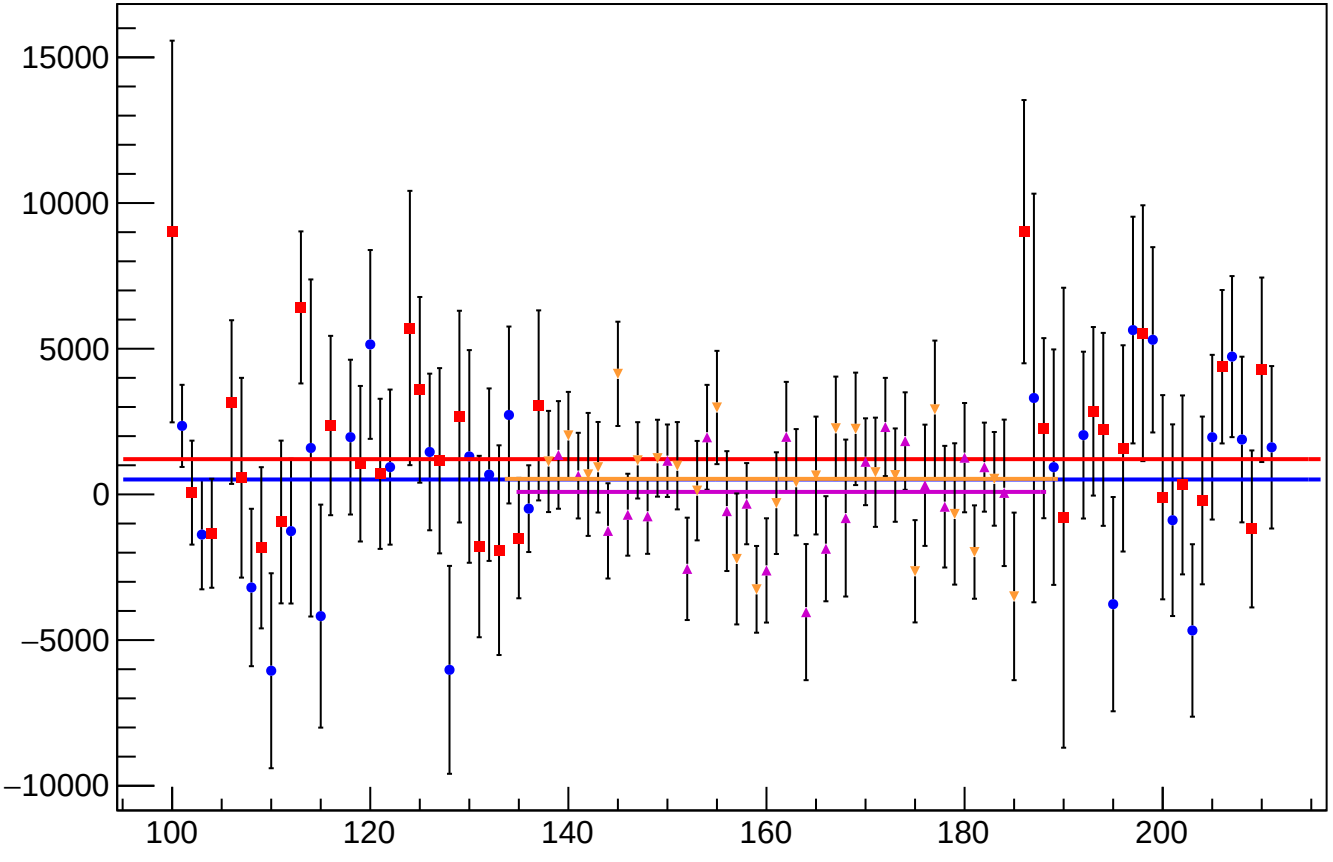
Left In: 1093.338+/-0.181 χ^2/NDF:3725.7/22

+ sign 1092.148+/-0.129 χ^2/NDF: 23047.6/52

All: 1093.875+/-0.091 χ^2/NDF: 60165.2/107

- sign 1095.603+/-0.129 χ^2/NDF: 36757.2/54

asym_usr_cor_correction_mean vs Slug



Right In: 512.275+/-514.678 χ^2/NDF: 29.4/27

Left Out: 532.982+/-347.223 χ^2/NDF:26.4/24

Right Out: 1209.971+/-522.225 χ^2/NDF: 23.7/31

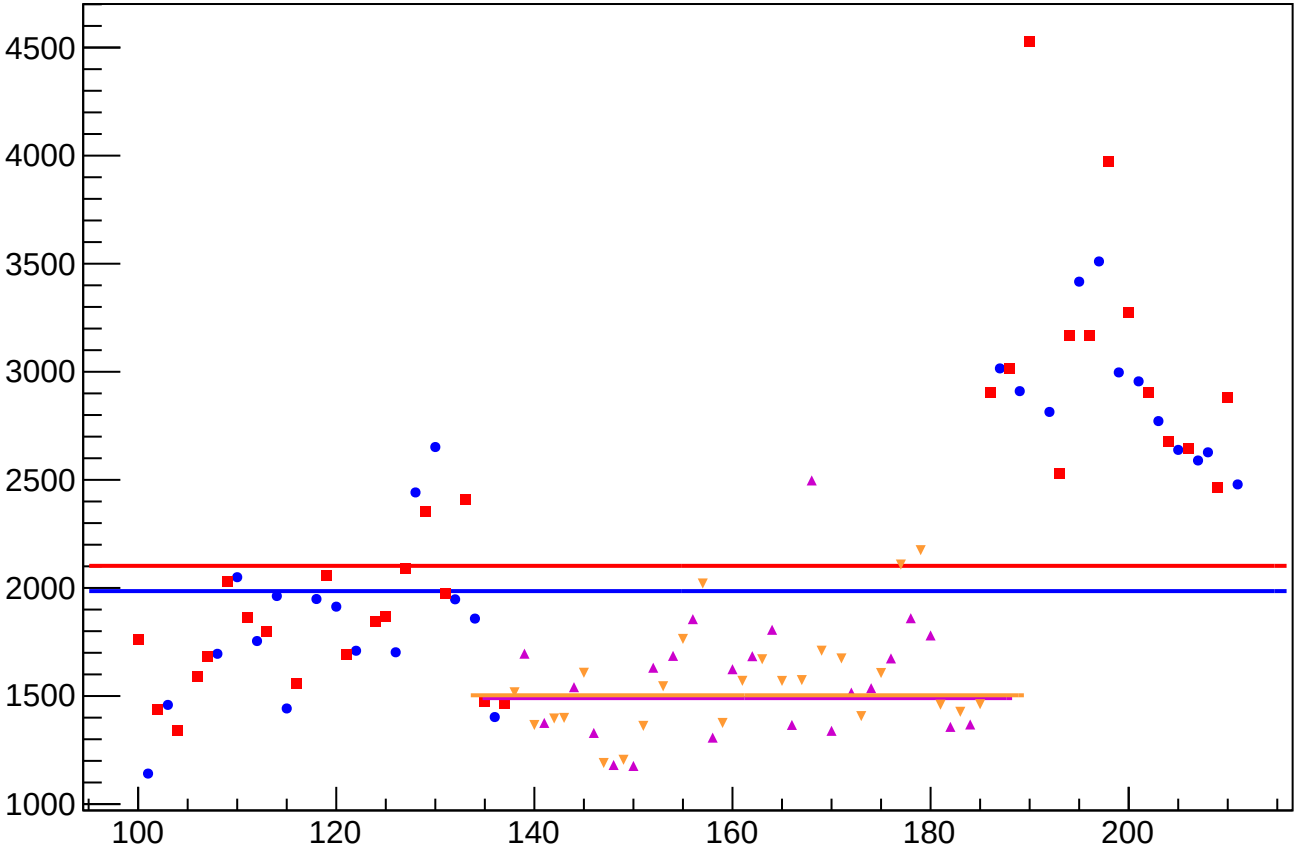
Left In: 85.329+/-353.933 χ^2/NDF:18.1/22

+ sign 526.505+/-287.843 χ^2/NDF: 55.9/52

All: 483.683+/-205.329 χ^2/NDF: 100.9/107

- sign 439.316+/-292.984 χ^2/NDF: 45.0/54

asym_usr_cor_correction_rms vs Slug



Right In: 1985.404+/-0.364 χ^2/NDF: 3221596.0/27

Left Out: 1503.437+/-0.246 χ^2/NDF:799670.9/24

Right Out: 2102.229+/-0.369 χ^2/NDF: 3079390.2/31

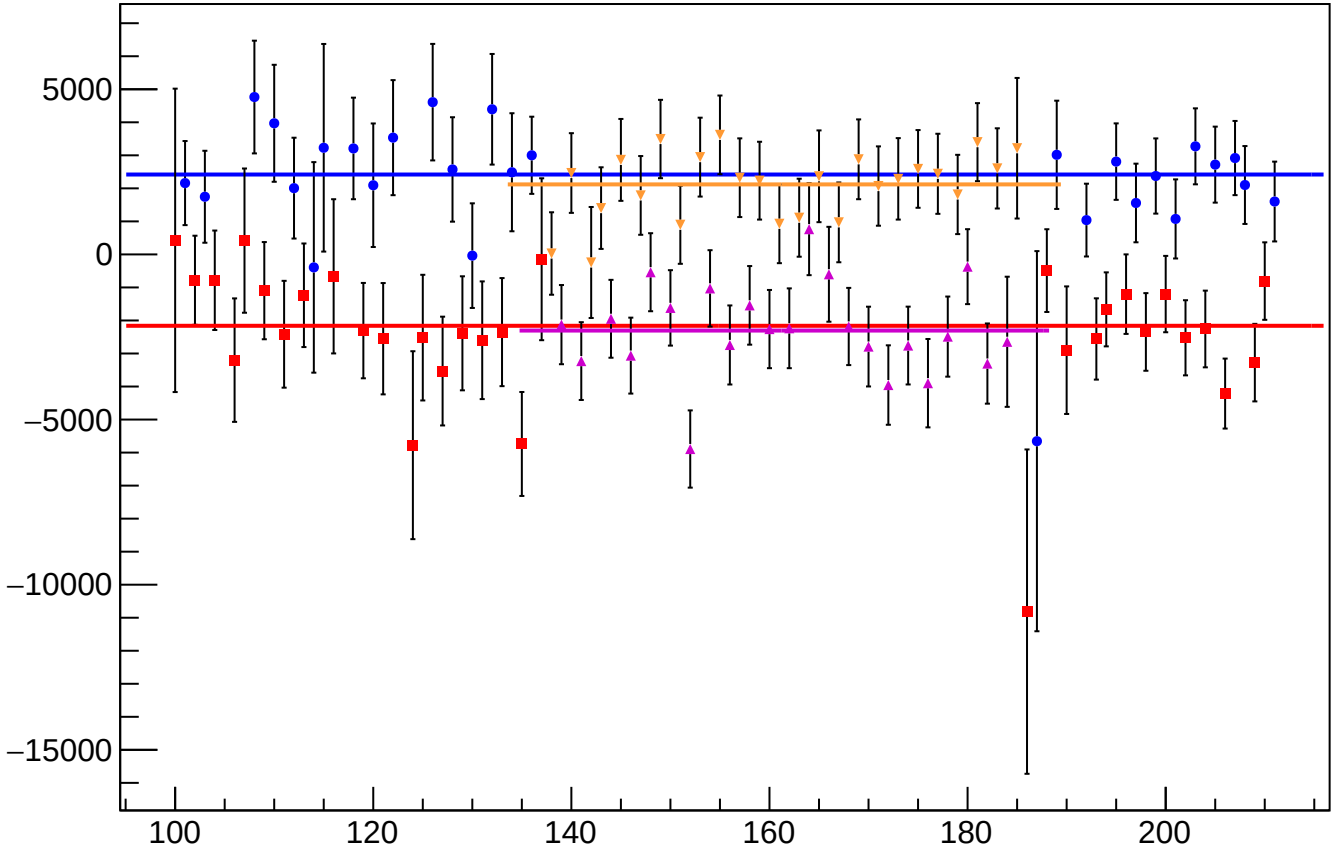
Left In: 1490.314+/-0.250 χ^2/NDF:968221.5/22

+ sign 1654.187+/-0.204 χ^2/NDF: 5226545.7/52

All: 1668.298+/-0.145 χ^2/NDF: 11165605.6/1

- sign 1682.918+/-0.207 χ^2/NDF: 5929273.2/54

overload_cor_asym_usr_mean vs Slug



Right In: 2418.976+/-268.805 χ^2/NDF: 17.1/27

Left Out: 2119.973+/-247.544 χ^2/NDF:15.1/24

Right Out: -2161.046+/-261.818 χ^2/NDF: 26.3/31

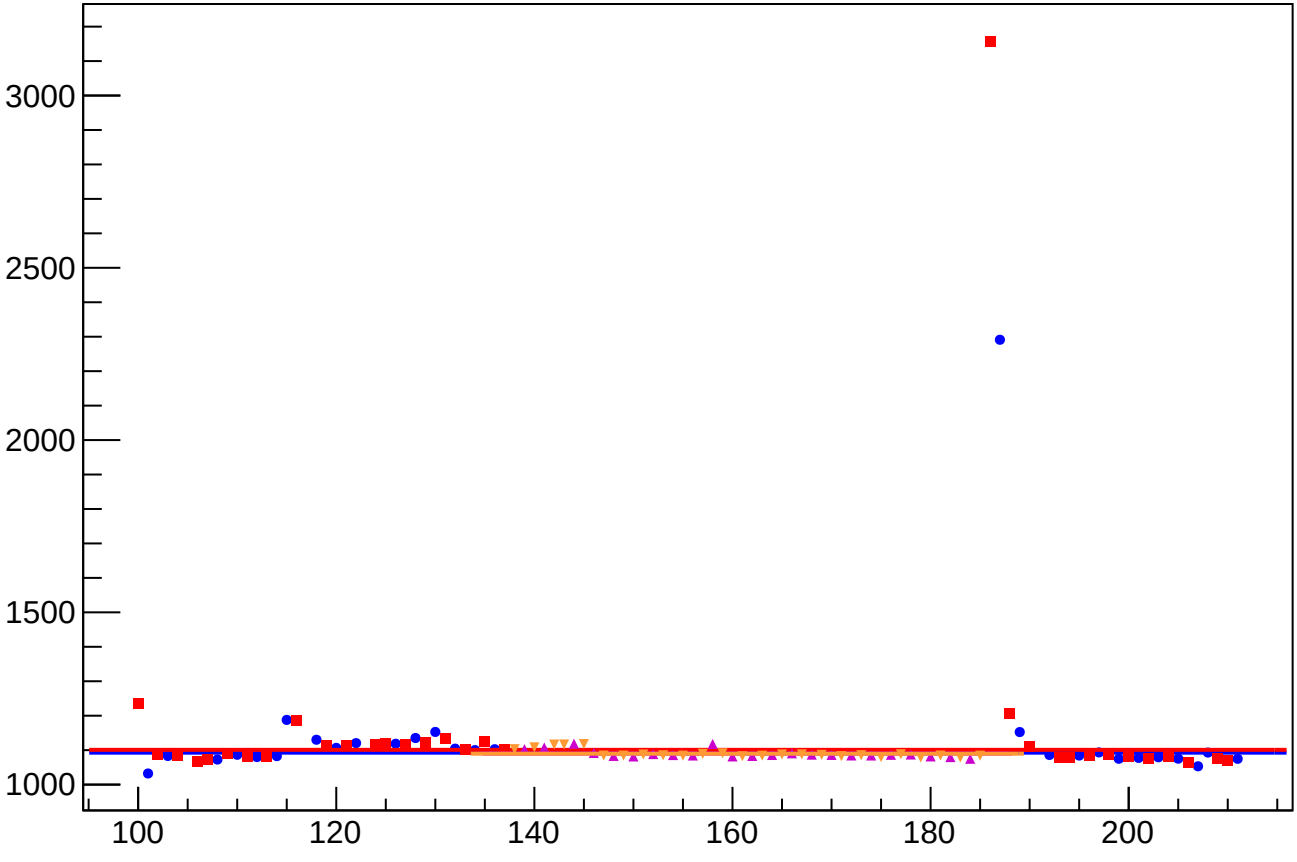
Left In: -2305.411+/-254.497 χ^2/NDF:28.5/22

+ sign 2257.184+/-182.093 χ^2/NDF: 32.9/52

All: 15.843+/-128.899 χ^2/NDF: 391.5/107

- sign -2235.275+/-182.490 χ^2/NDF: 54.9/54

overload_cor_asym_usr_rms vs Slug



Right In: 1092.741+/-0.190 χ^2/NDF: 107761.1/27

Left Out: 1089.744+/-0.175 χ^2/NDF:4057.6/24

Right Out: 1100.914+/-0.185 χ^2/NDF: 381717.7/31

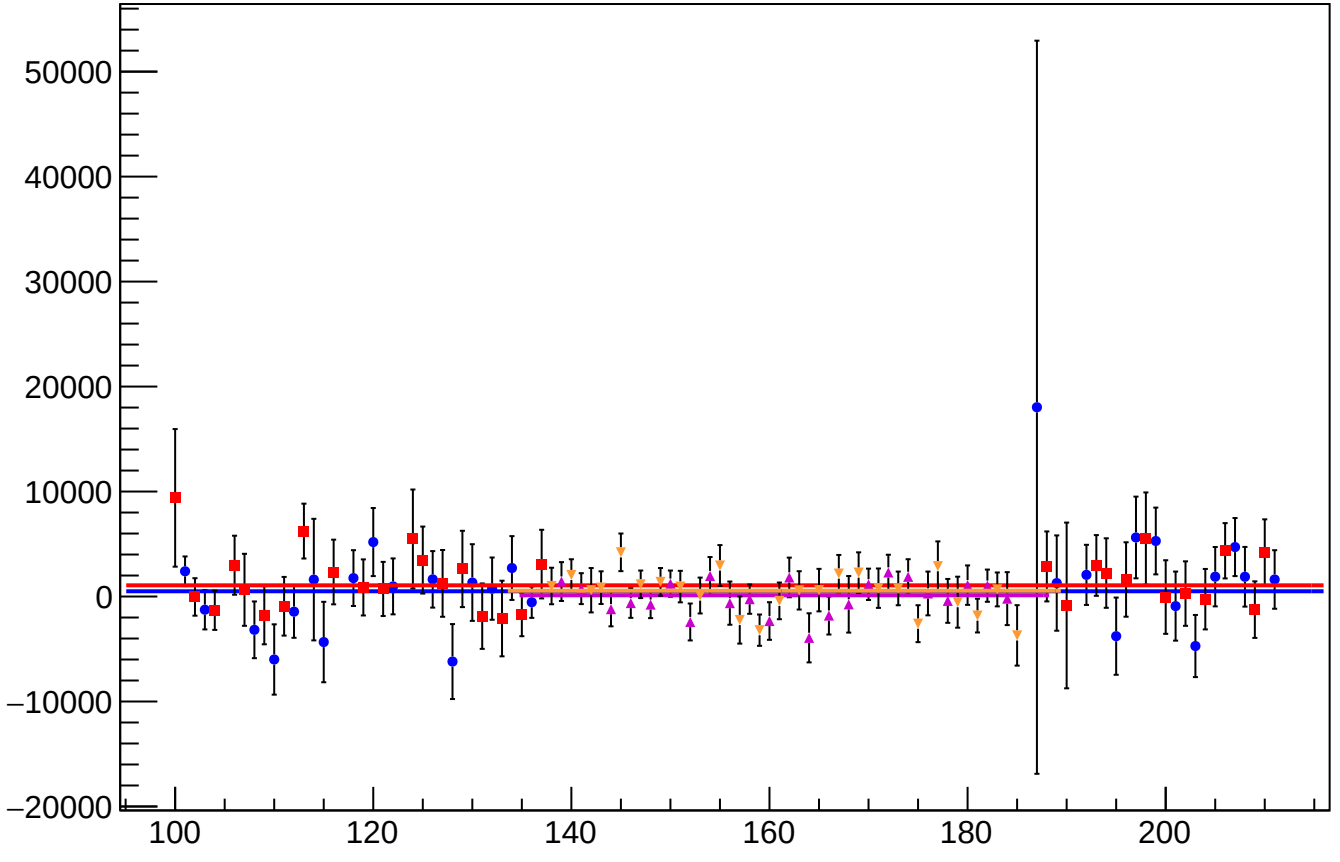
Left In: 1089.964+/-0.180 χ^2/NDF:3896.0/22

+ sign 1091.119+/-0.129 χ^2/NDF: 111953.3/52

All: 1093.197+/-0.091 χ^2/NDF: 499887.6/107

- sign 1095.284+/-0.129 χ^2/NDF: 387412.4/54

asym_usr_overload_cor_correction_mean vs Slug



Right In: 500.705+/-517.371 χ^2/NDF: 29.8/27

Left Out: 553.759+/-347.813 χ^2/NDF:26.1/24

Right Out: 1066.428+/-527.207 χ^2/NDF: 20.8/30

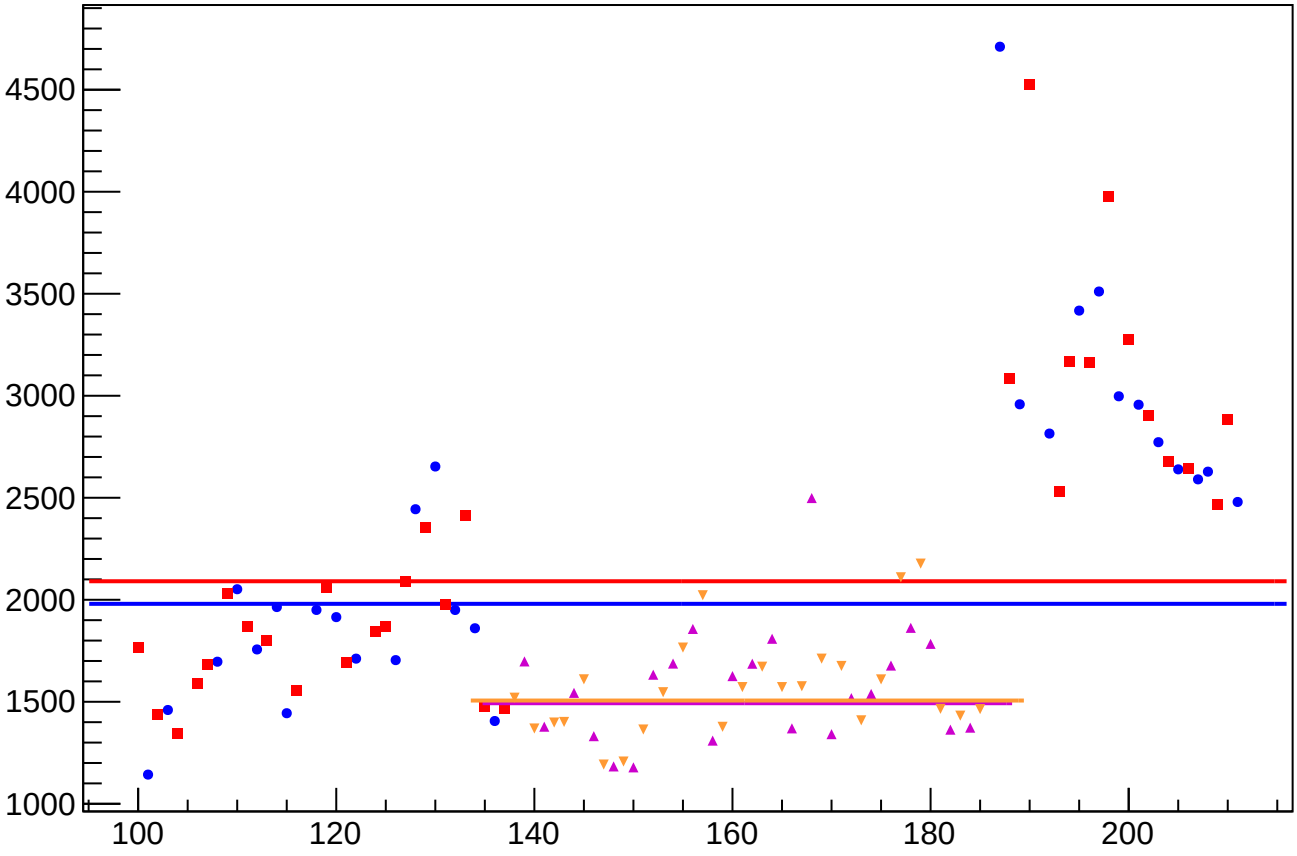
Left In: 121.420+/-354.540 χ^2/NDF:17.1/22

+ sign 537.245+/-288.649 χ^2/NDF: 56.0/52

All: 477.632+/-206.041 χ^2/NDF: 96.2/106

- sign 415.704+/-294.203 χ^2/NDF: 40.2/53

asym_usr_overload_cor_correction_rms vs Slug



Right In: 1980.101+/-0.366 χ^2/NDF: 3166456.3/27

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

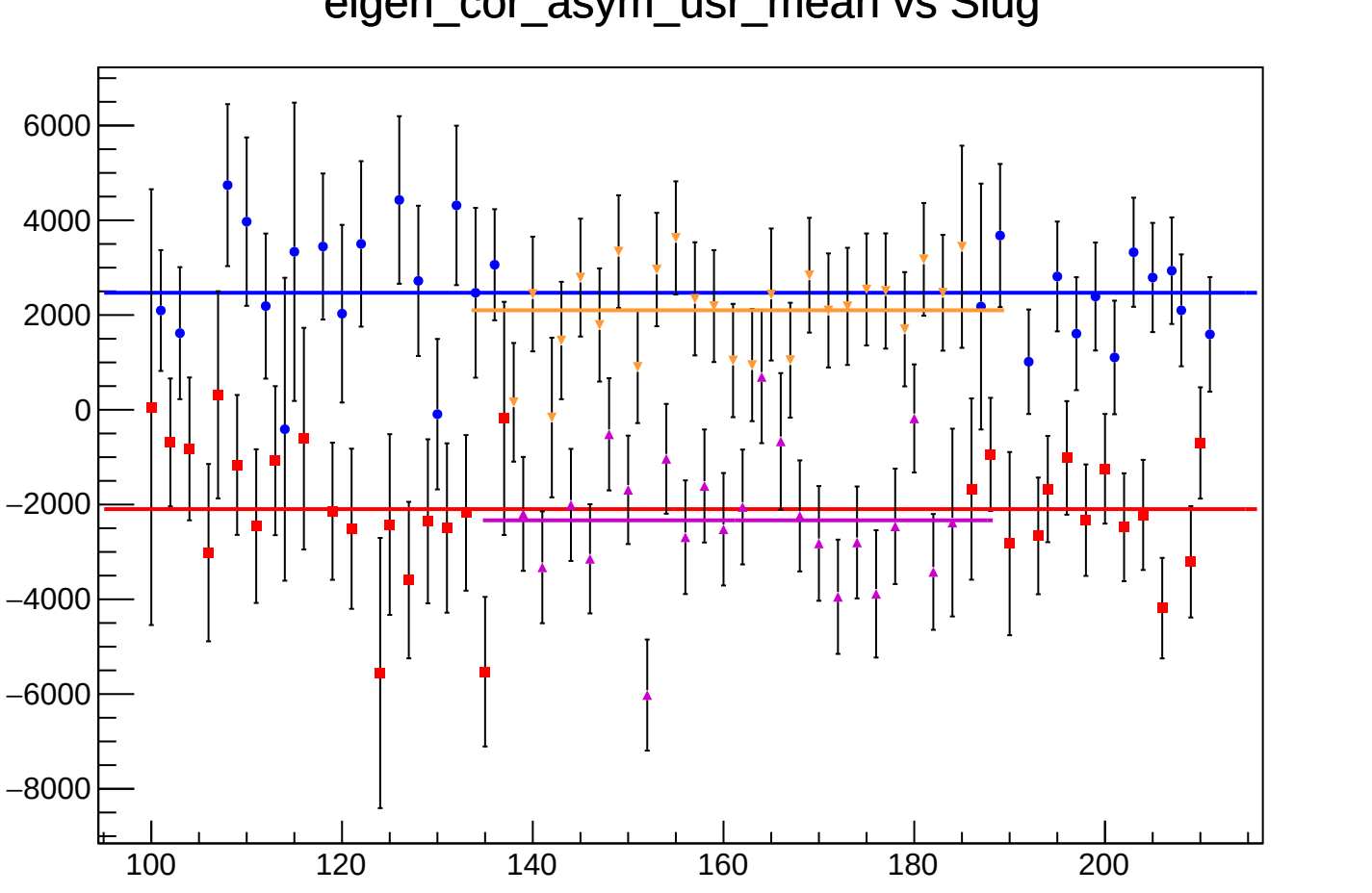
Right Out: 2090.791+/-0.373 χ^2/NDF: 3003366.5/30

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

+ sign 1653.644+/-0.204 χ^2/NDF: 5119046.8/52

All: 1666.149+/-0.146 χ^2/NDF: 10865195.4/1

- sign 1679.141+/-0.208 χ^2/NDF: 5738494.8/53



Right In: 2470.127+/-267.491 χ^2/NDF: 15.7/27

Left Out: 2100.398+/-248.306 χ^2/NDF:13.8/24

Right Out: -2096.457+/-259.539 χ^2/NDF: 21.7/31

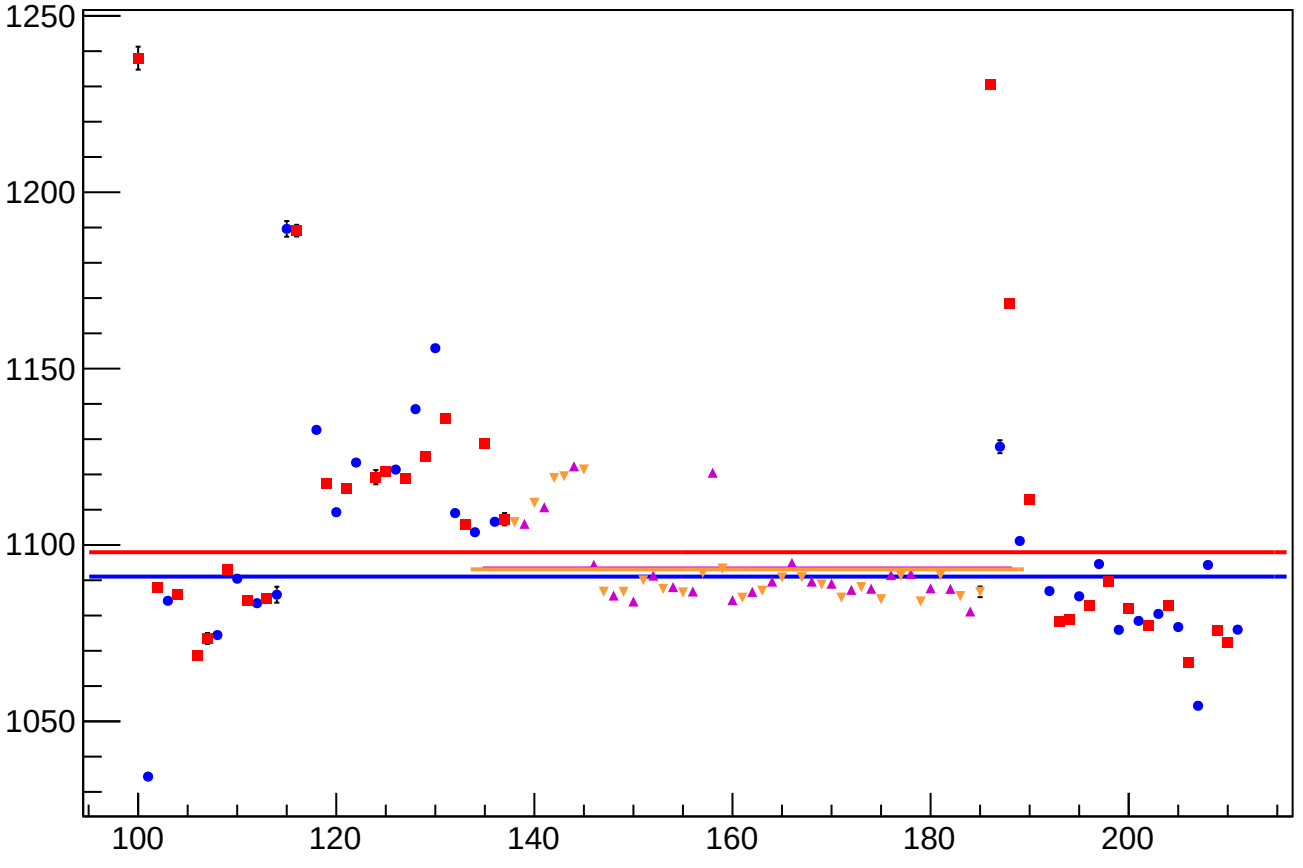
Left In: -2332.954+/-255.284 χ^2/NDF:29.5/22

+ sign 2271.530+/-181.984 χ^2/NDF: 30.6/52

All: 27.623+/-128.687 χ^2/NDF: 386.3/107

- sign -2216.660+/-181.999 χ^2/NDF: 51.6/54

eigen_cor_asym_usr_rms vs Slug



Right In: 1091.041+/-0.189 χ^2/NDF: 19000.6/27

Left Out: 1093.102+/-0.176 χ^2/NDF:3983.2/24

Right Out: 1097.944+/-0.184 χ^2/NDF: 32711.4/31

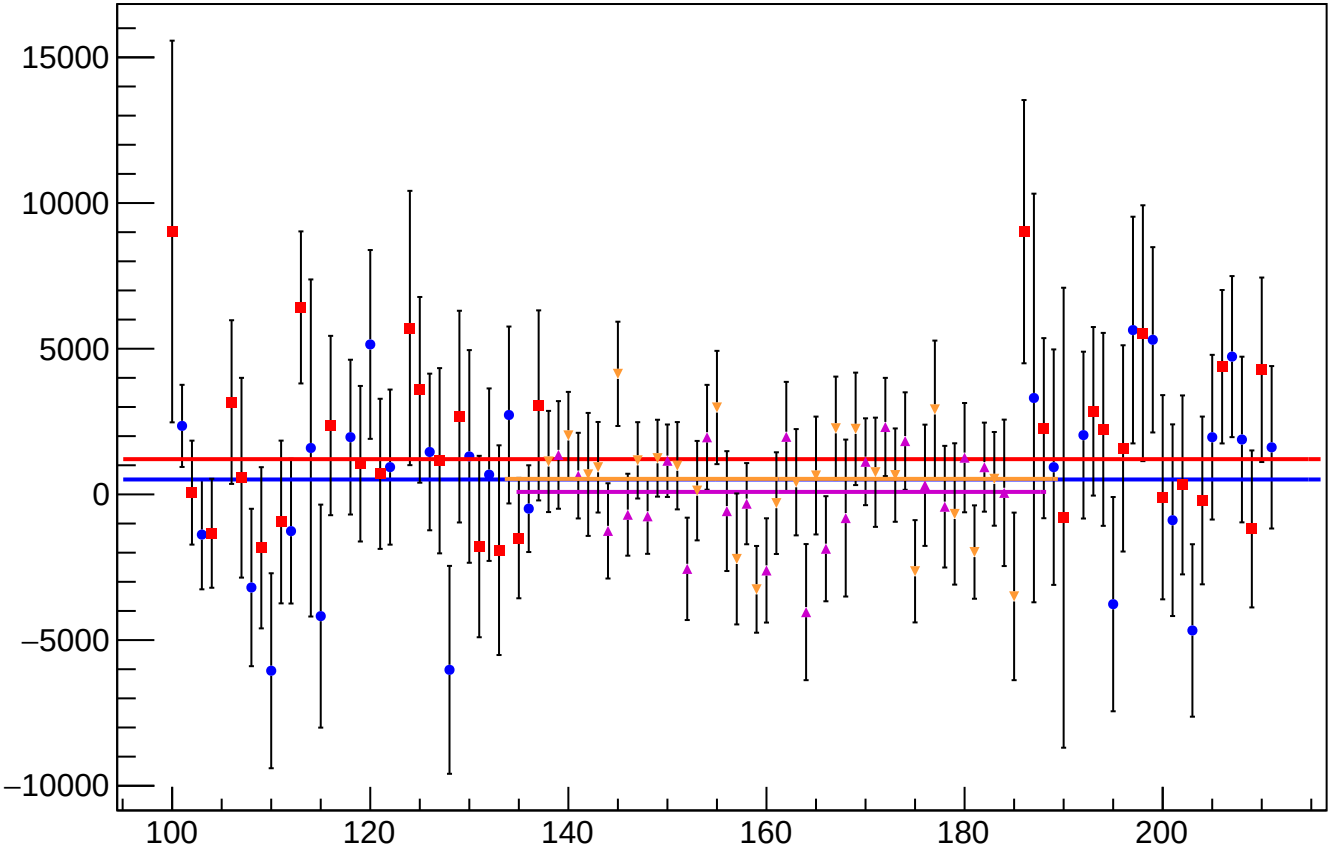
Left In: 1093.338+/-0.181 χ^2/NDF:3725.7/22

+ sign 1092.148+/-0.129 χ^2/NDF: 23047.6/52

All: 1093.875+/-0.091 χ^2/NDF: 60165.2/107

- sign 1095.603+/-0.129 χ^2/NDF: 36757.2/54

asym_usr_eigen_cor_correction_mean vs Slug



Right In: 512.275+/-514.678 χ^2/NDF: 29.4/27

Left Out: 532.982+/-347.223 χ^2/NDF:26.4/24

Right Out: 1209.971+/-522.225 χ^2/NDF: 23.7/31

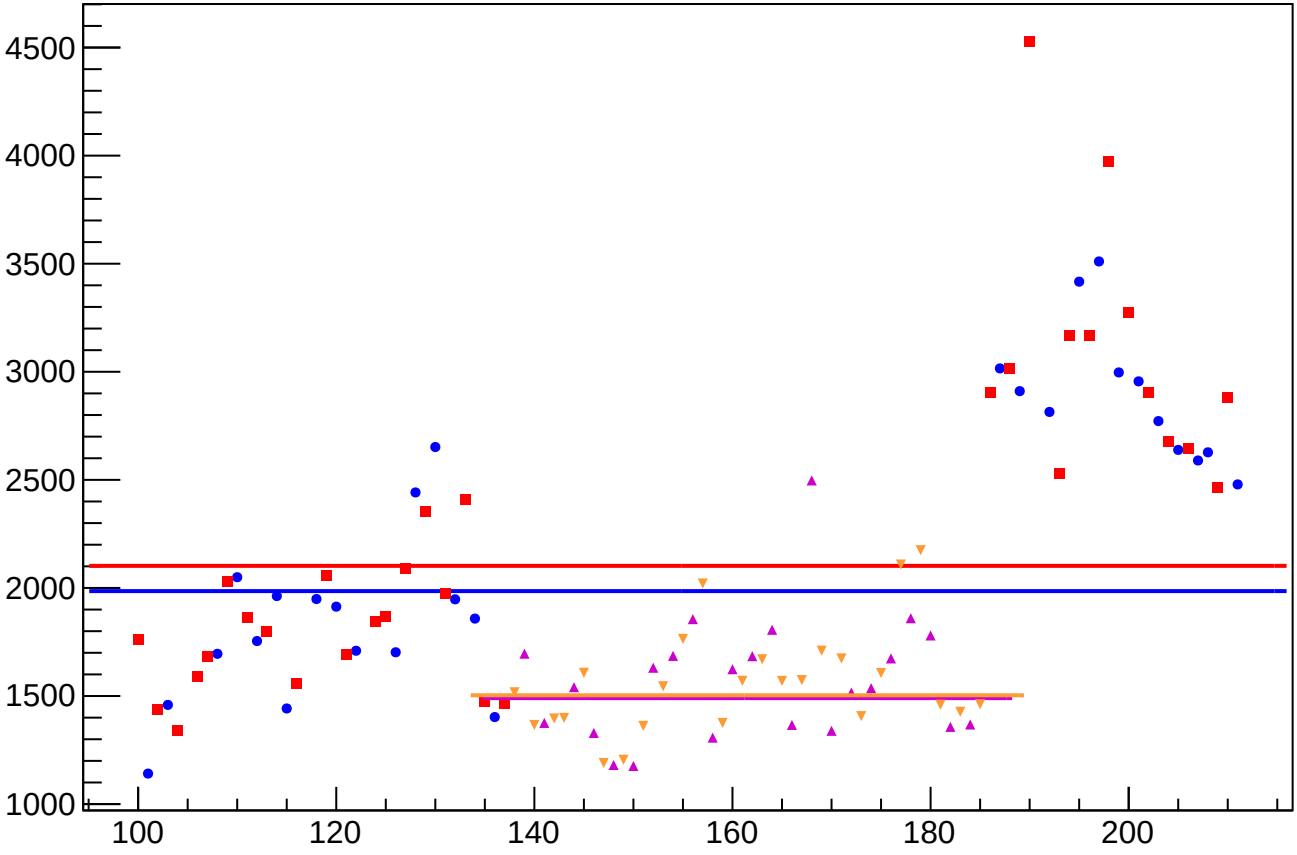
Left In: 85.329+/-353.933 χ^2/NDF:18.1/22

+ sign 526.505+/-287.843 χ^2/NDF: 55.9/52

All: 483.683+/-205.329 χ^2/NDF: 100.9/107

- sign 439.316+/-292.984 χ^2/NDF: 45.0/54

asym_usr_eigen_cor_correction_rms vs Slug



Right In: 1985.404+/-0.364 χ^2/NDF: 3221596.0/27

Left Out: 1503.437+/-0.246 χ^2/NDF:799670.9/24

Right Out: 2102.229+/-0.369 χ^2/NDF: 3079390.2/31

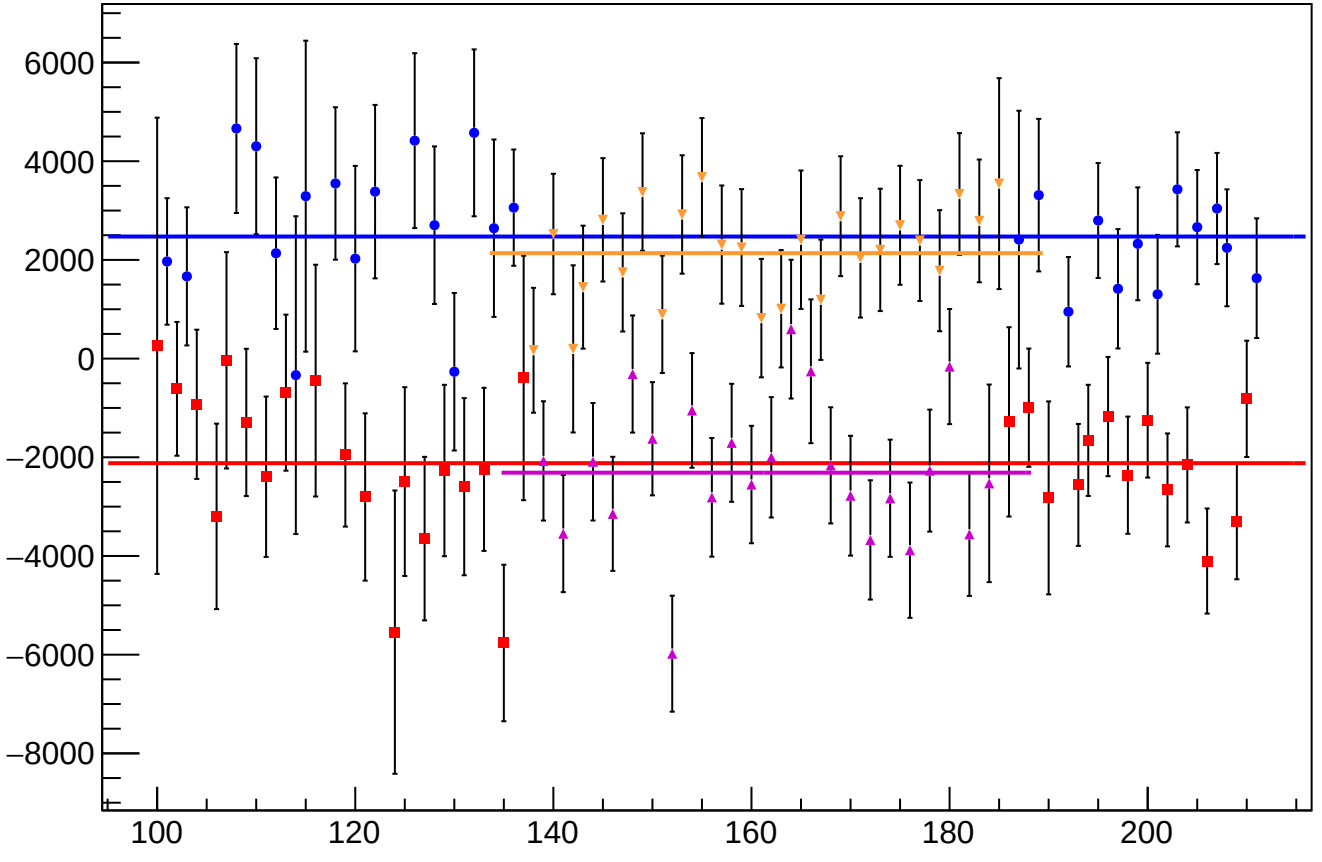
Left In: 1490.314+/-0.250 χ^2/NDF:968221.5/22

+ sign 1654.187+/-0.204 χ^2/NDF: 5226545.7/52

All: 1668.298+/-0.145 χ^2/NDF: 11165605.6/1

- sign 1682.918+/-0.207 χ^2/NDF: 5929273.2/54

dit_asym_usr_mean vs Slug



Right In: 2473.500+/-268.876 χ^2/NDF: 16.3/27

Left Out: 2137.184+/-250.195 χ^2/NDF:13.9/24

Right Out: -2119.171+/-260.751 χ^2/NDF: 22.0/31

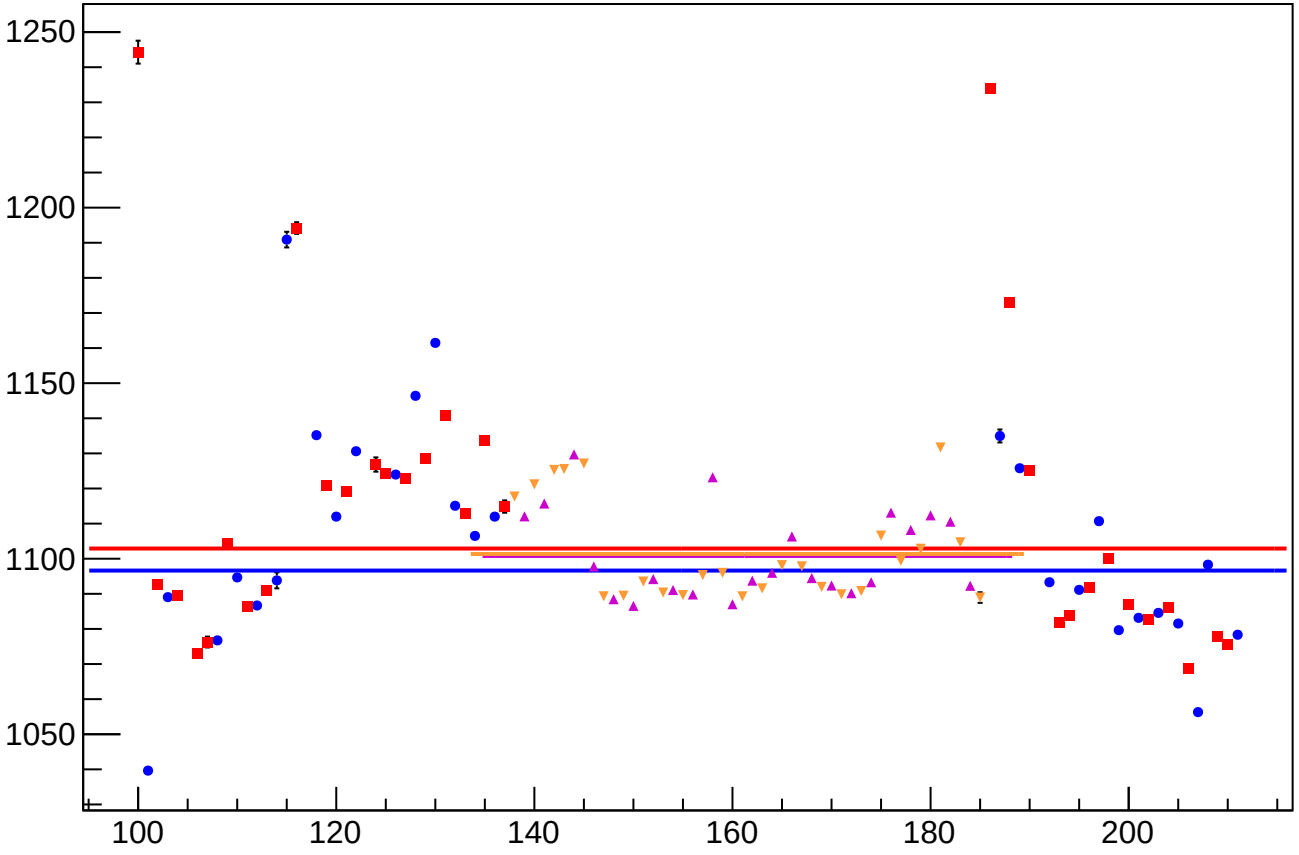
Left In: -2311.761+/-257.036 χ^2/NDF:29.9/22

+ sign 2293.254+/-183.163 χ^2/NDF: 31.1/52

All: 36.826+/-129.476 χ^2/NDF: 386.6/107

- sign -2216.848+/-183.051 χ^2/NDF: 52.2/54

dit_asym_usr_rms vs Slug



Right In: 1096.623+/-0.190 χ^2/NDF: 20391.5/27

Left Out: 1101.353+/-0.177 χ^2/NDF:5950.6/24

Right Out: 1102.904+/-0.184 χ^2/NDF: 32891.2/31

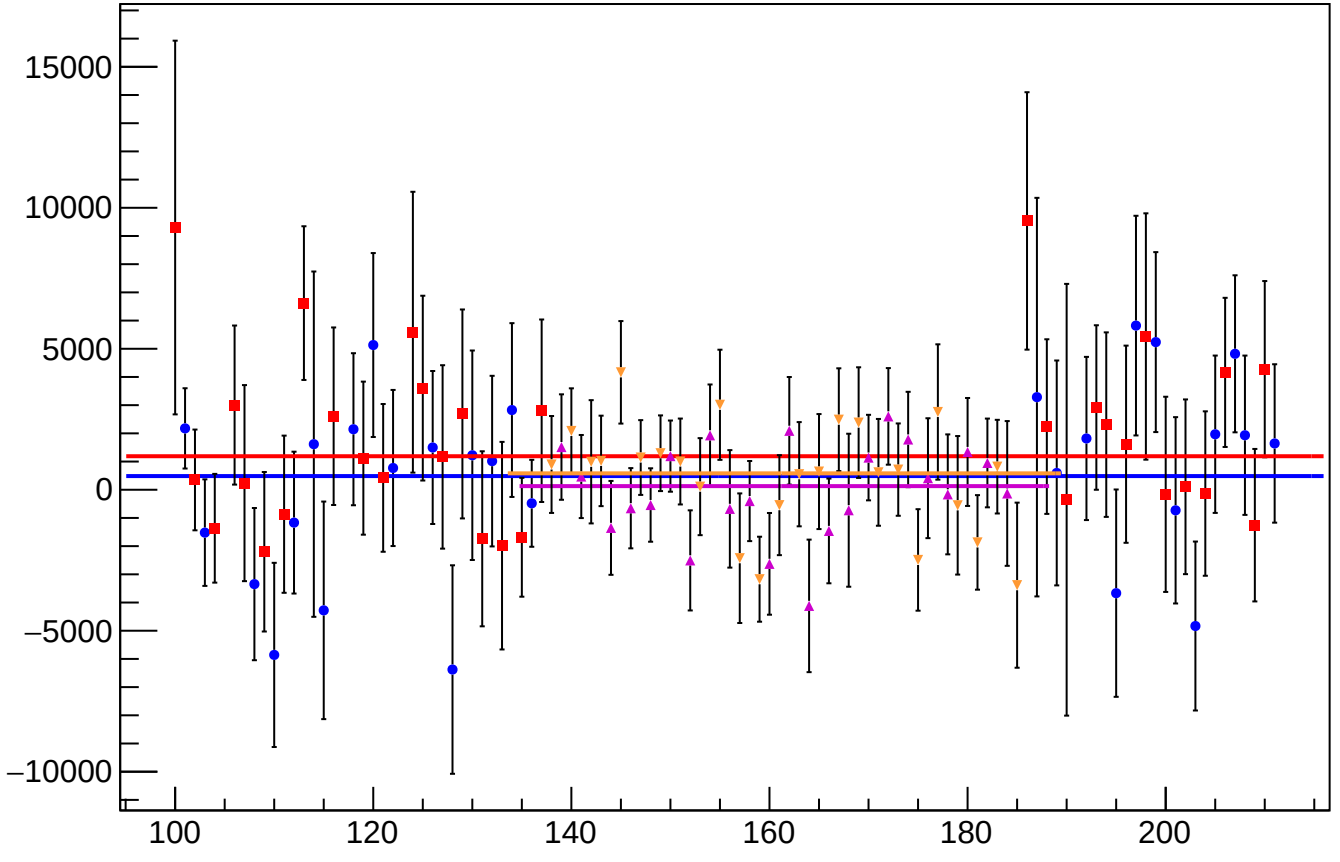
Left In: 1100.792+/-0.182 χ^2/NDF:4641.7/22

+ sign 1099.158+/-0.130 χ^2/NDF: 26673.8/52

All: 1100.496+/-0.092 χ^2/NDF: 64486.6/107

- sign 1101.833+/-0.129 χ^2/NDF: 37599.4/54

asym_usr_dit_correction_mean vs Slug



Right In: 484.830+/-520.727 χ^2/NDF: 29.5/27

Left Out: 581.427+/-353.389 χ^2/NDF:25.4/24

Right Out: 1188.879+/-528.168 χ^2/NDF: 23.9/31

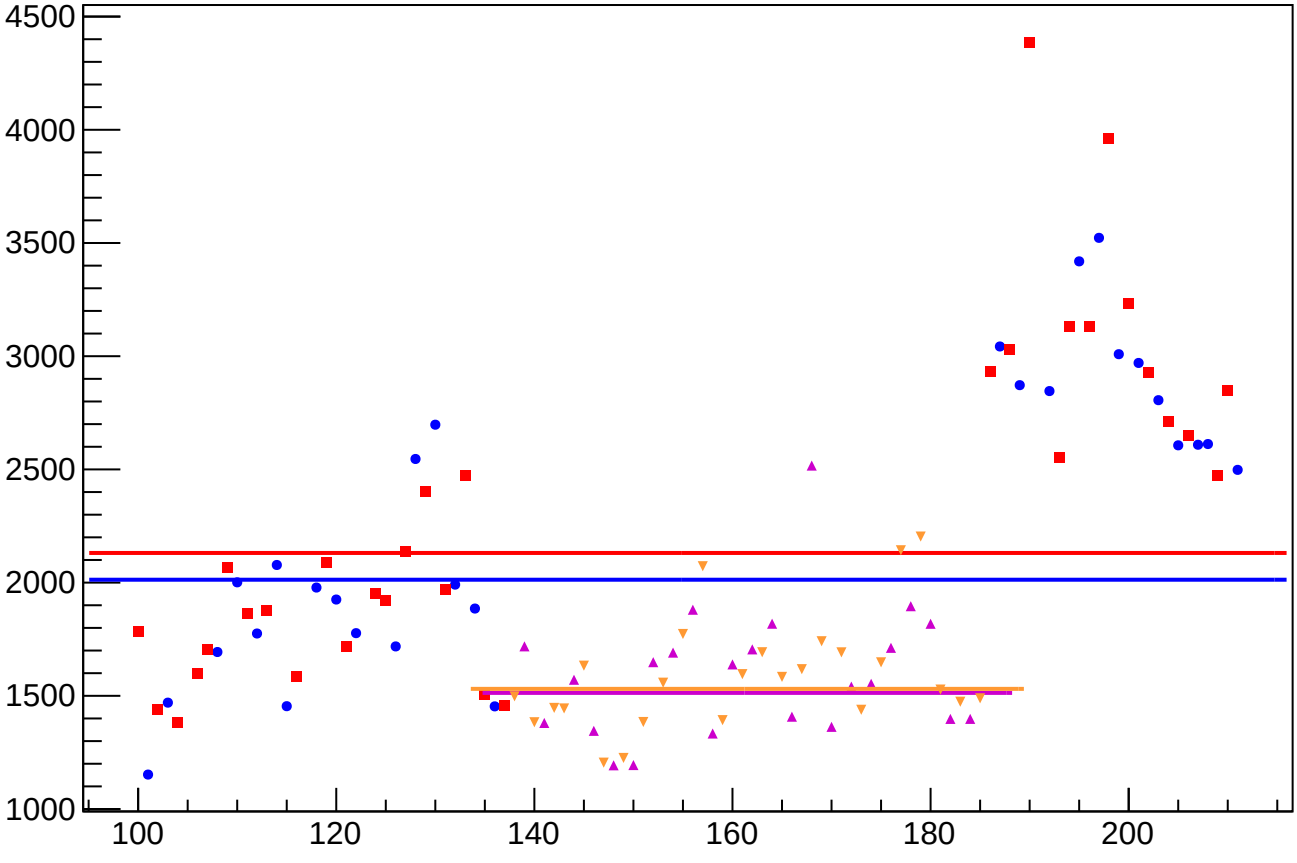
Left In: 128.769+/-359.128 χ^2/NDF:17.9/22

+ sign 550.967+/-292.411 χ^2/NDF: 54.9/52

All: 508.126+/-208.362 χ^2/NDF: 99.5/107

- sign 463.935+/-296.980 χ^2/NDF: 44.5/54

asym_usr_dit_correction_rms vs Slug



Right In: 2012.803+/-0.368 χ^2/NDF: 3129031.9/27

Left Out: 1530.764+/-0.250 χ^2/NDF:795634.5/24

Right Out: 2131.004+/-0.373 χ^2/NDF: 2937583.5/31

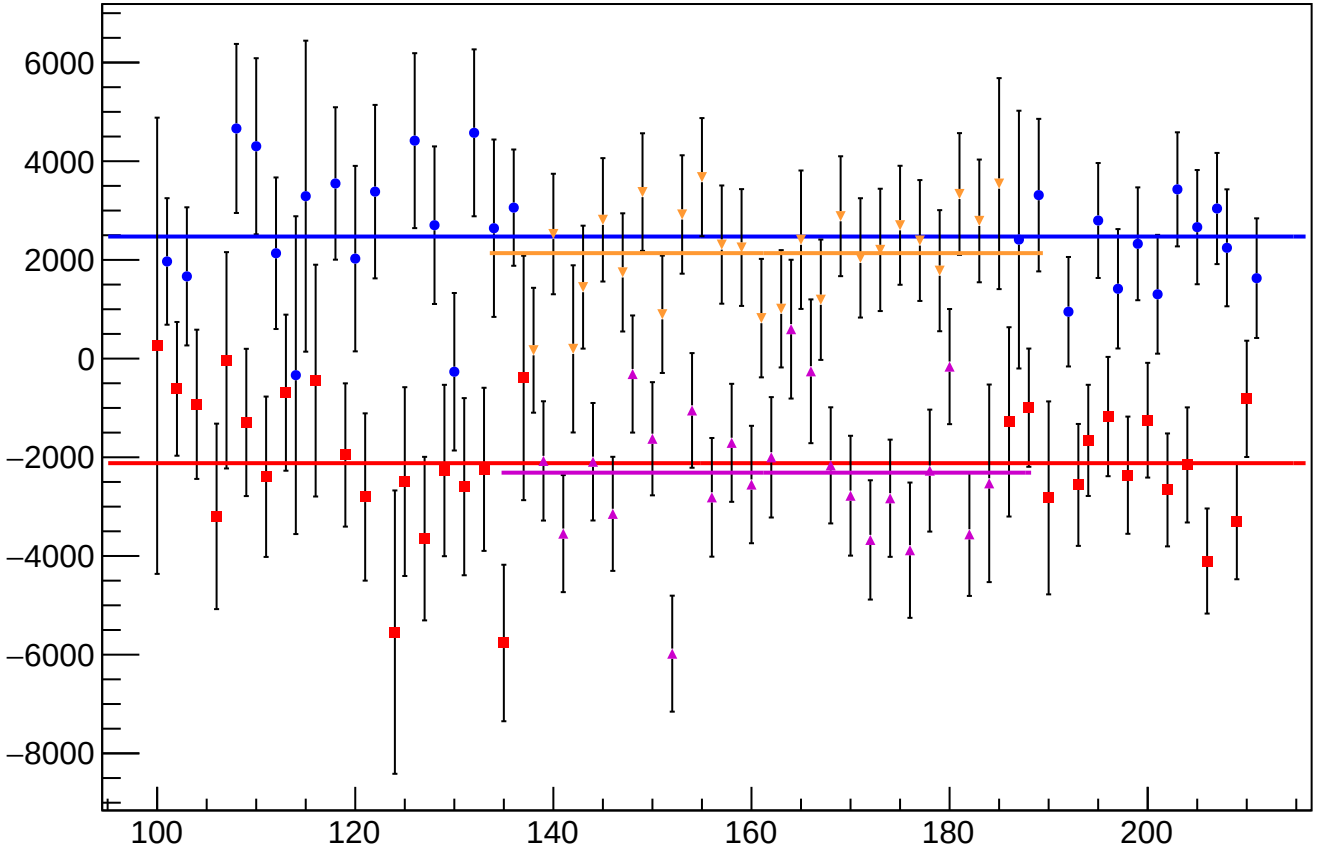
Left In: 1512.947+/-0.254 χ^2/NDF:957059.5/22

+ sign 1682.766+/-0.207 χ^2/NDF: 5098090.4/52

All: 1695.361+/-0.147 χ^2/NDF: 10873094.7/1

- sign 1708.353+/-0.210 χ^2/NDF: 5767466.2/54

eigen_dit_asym_usr_mean vs Slug



Right In: 2473.500+/-268.876 χ^2/NDF: 16.3/27

Left Out: 2137.182+/-250.195 χ^2/NDF:13.9/24

Right Out: -2119.170+/-260.751 χ^2/NDF: 22.0/31

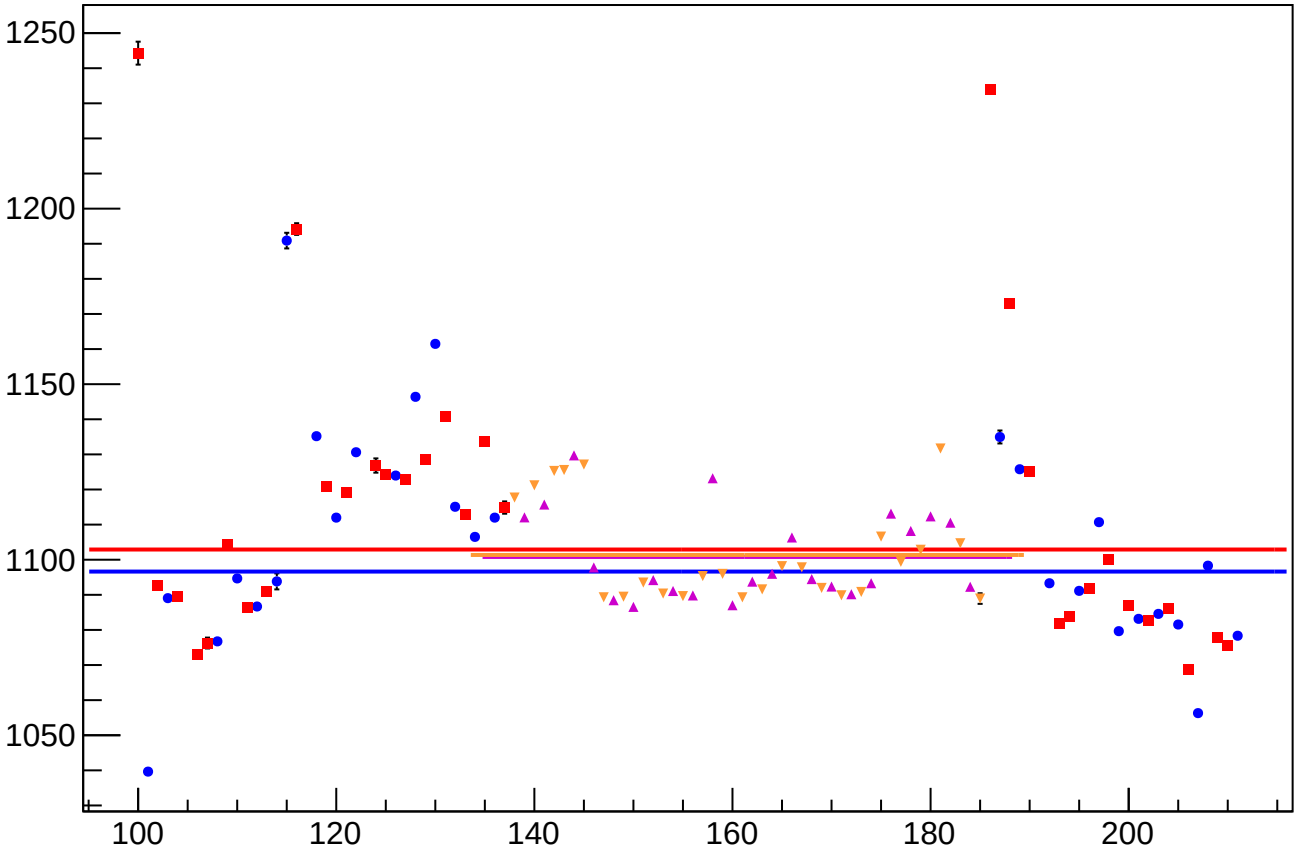
Left In: -2311.761+/-257.036 χ^2/NDF:29.9/22

+ sign 2293.253+/-183.163 χ^2/NDF: 31.1/52

All: 36.826+/-129.476 χ^2/NDF: 386.6/107

- sign -2216.848+/-183.051 χ^2/NDF: 52.2/54

eigen_dit_asym_usr_rms vs Slug



Right In: 1096.623+/-0.190 χ^2/NDF: 20391.3/27

Left Out: 1101.353+/-0.177 χ^2/NDF:5950.6/24

Right Out: 1102.904+/-0.184 χ^2/NDF: 32891.1/31

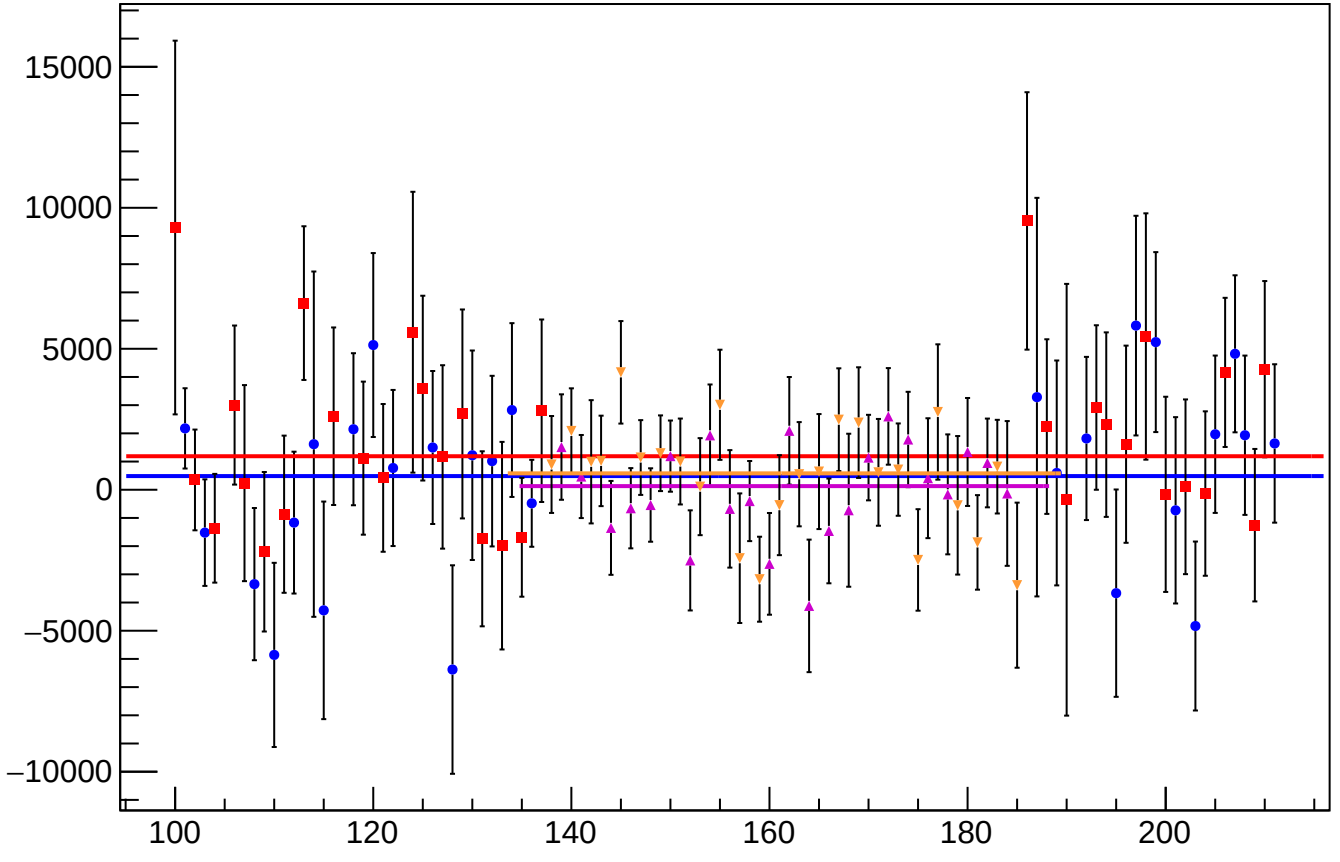
Left In: 1100.792+/-0.182 χ^2/NDF:4641.7/22

+ sign 1099.158+/-0.130 χ^2/NDF: 26673.7/52

All: 1100.496+/-0.092 χ^2/NDF: 64486.4/107

- sign 1101.833+/-0.129 χ^2/NDF: 37599.3/54

asym_usr_eigen_dit_correction_mean vs Slug



Right In: 484.826+/-520.727 χ^2/NDF: 29.5/27

Left Out: 581.426+/-353.390 χ^2/NDF:25.4/24

Right Out: 1188.879+/-528.168 χ^2/NDF: 23.9/31

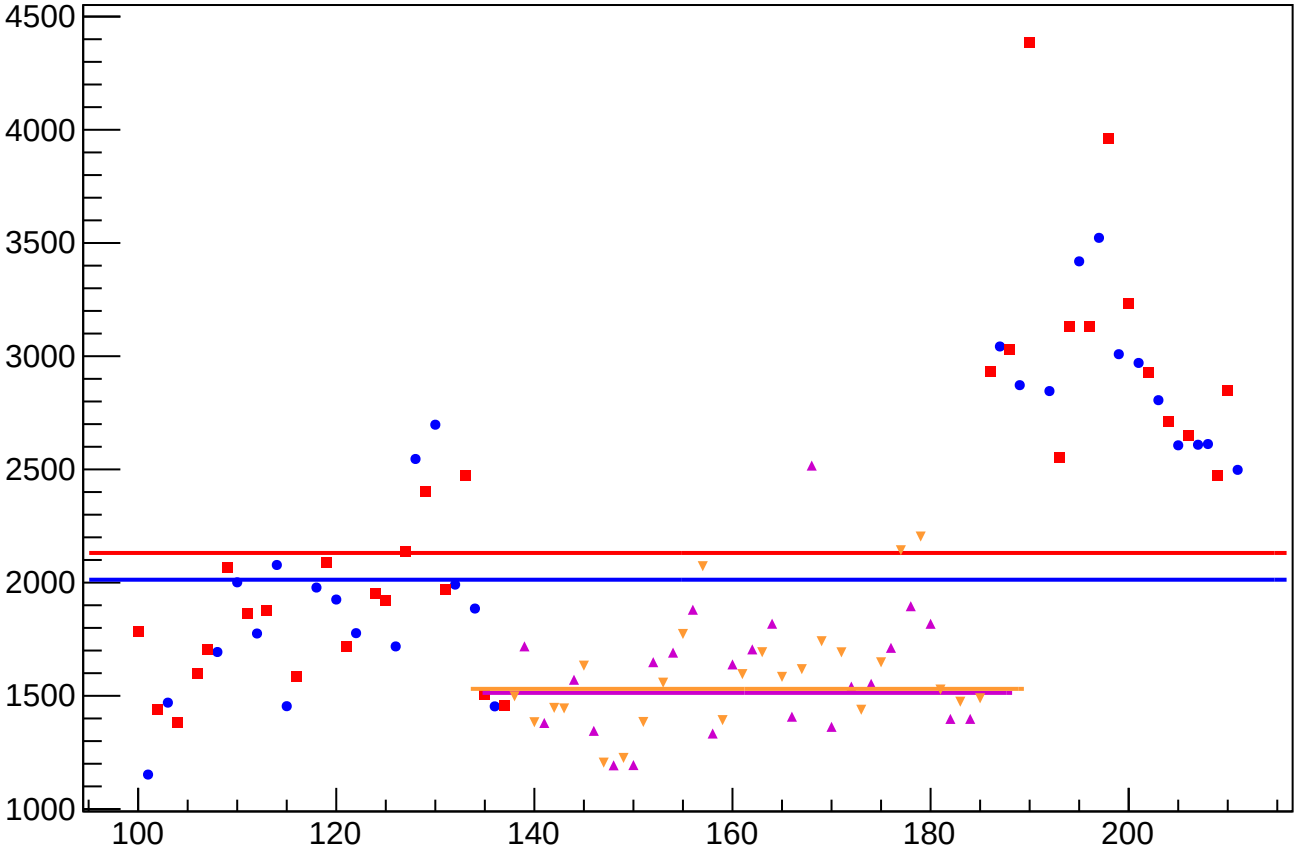
Left In: 128.769+/-359.129 χ^2/NDF:17.9/22

+ sign 550.965+/-292.411 χ^2/NDF: 54.9/52

All: 508.125+/-208.362 χ^2/NDF: 99.5/107

- sign 463.937+/-296.980 χ^2/NDF: 44.5/54

asym_usr_eigen_dit_correction_rms vs Slug



Right In: 2012.802+/-0.368 χ^2/NDF: 3129041.0/27

Left Out: 1530.768+/-0.250 χ^2/NDF:795638.4/24

Right Out: 2131.003+/-0.373 χ^2/NDF: 2937581.7/31

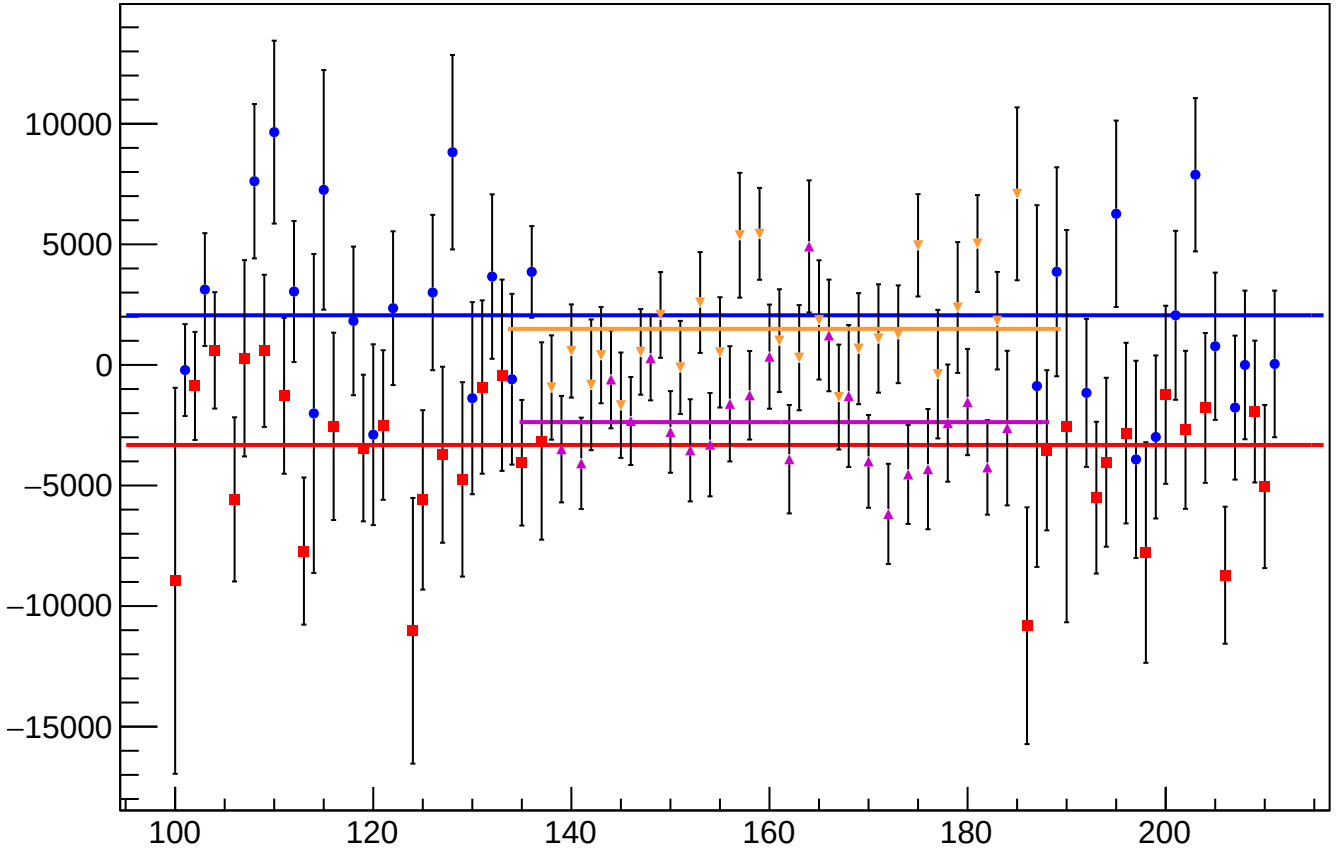
Left In: 1512.951+/-0.254 χ^2/NDF:957065.2/22

+ sign 1682.769+/-0.207 χ^2/NDF: 5098076.1/52

All: 1695.364+/-0.147 χ^2/NDF: 10873052.3/1

- sign 1708.356+/-0.210 χ^2/NDF: 5767438.0/54

asym_usr_mean vs Slug



Right In: 2059.051+/-603.091 χ^2/NDF: 30.4/27

Left Out: 1495.022+/-433.196 χ^2/NDF:23.8/24

Right Out: -3318.269+/-602.871 χ^2/NDF: 21.7/31

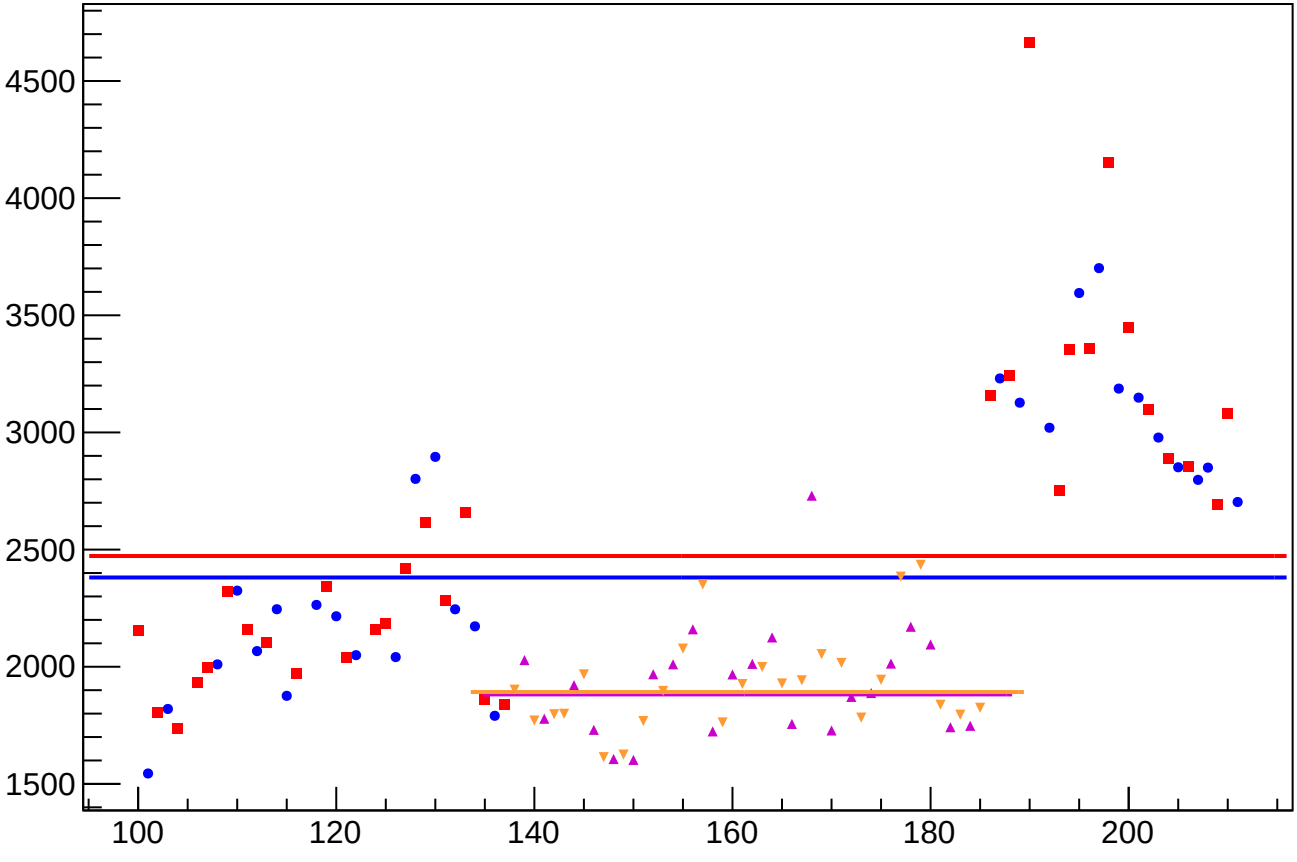
Left In: -2370.694+/-442.952 χ^2/NDF:23.7/22

+ sign 1686.987+/-351.838 χ^2/NDF: 54.7/52

All: -476.235+/-250.578 χ^2/NDF: 178.5/107

- sign -2702.896+/-356.960 χ^2/NDF: 47.0/54

asym_usr_rms vs Slug



Right In: 2380.960+/-0.426 χ^2/NDF: 1894680.5/27

Left Out: 1892.117+/-0.306 χ^2/NDF:389648.0/24

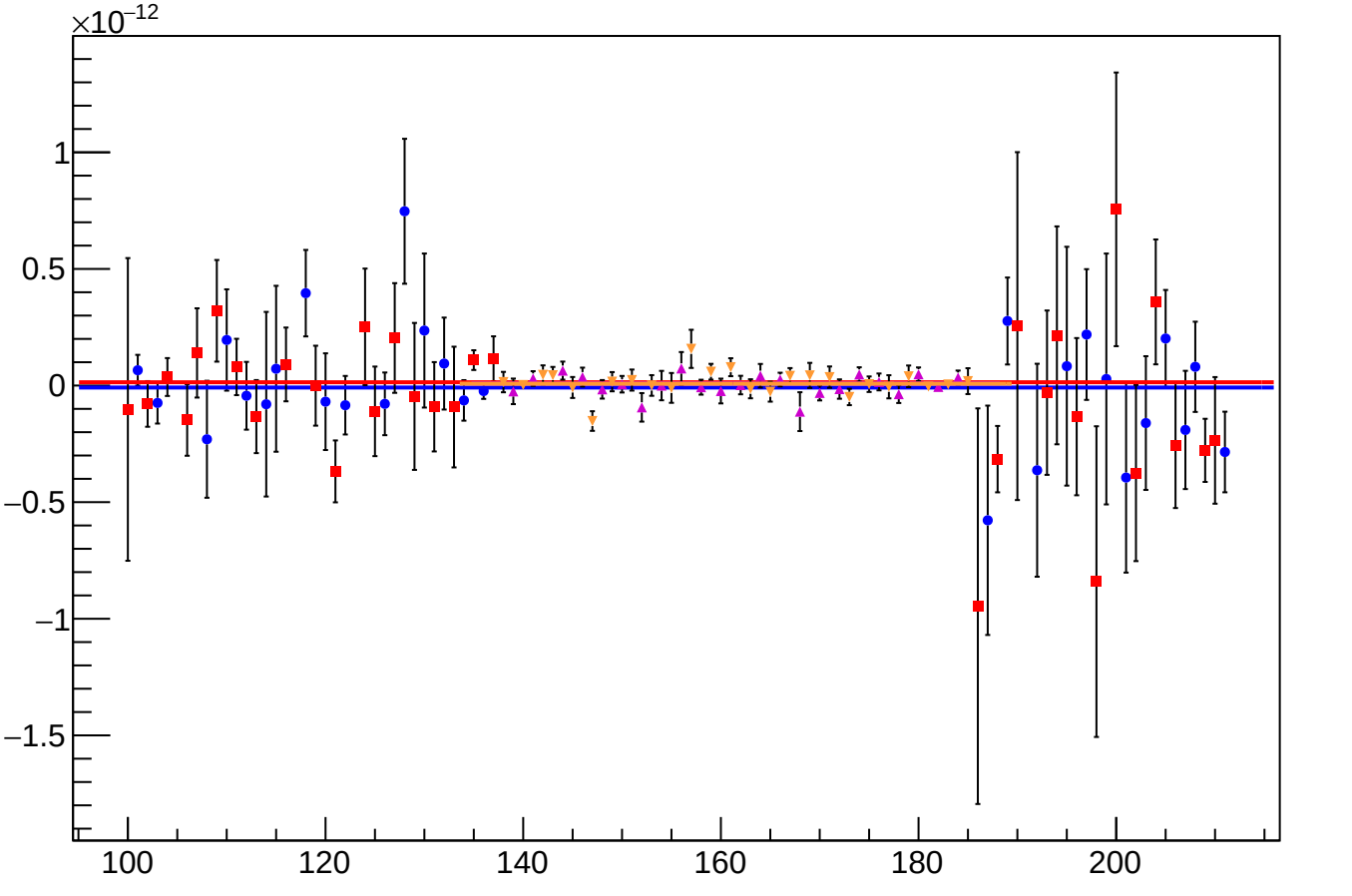
Right Out: 2472.641+/-0.426 χ^2/NDF: 1940330.5/31

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

+ sign 2058.492+/-0.249 χ^2/NDF: 3151131.5/52

All: 2073.525+/-0.177 χ^2/NDF: 6808659.2/10

- sign 2088.998+/-0.252 χ^2/NDF: 3650119.1/54



Right In: -0.000+/-0.000 χ^2/NDF: 26.9/27

Left Out: 0.000+/-0.000 χ^2/NDF:32.4/24

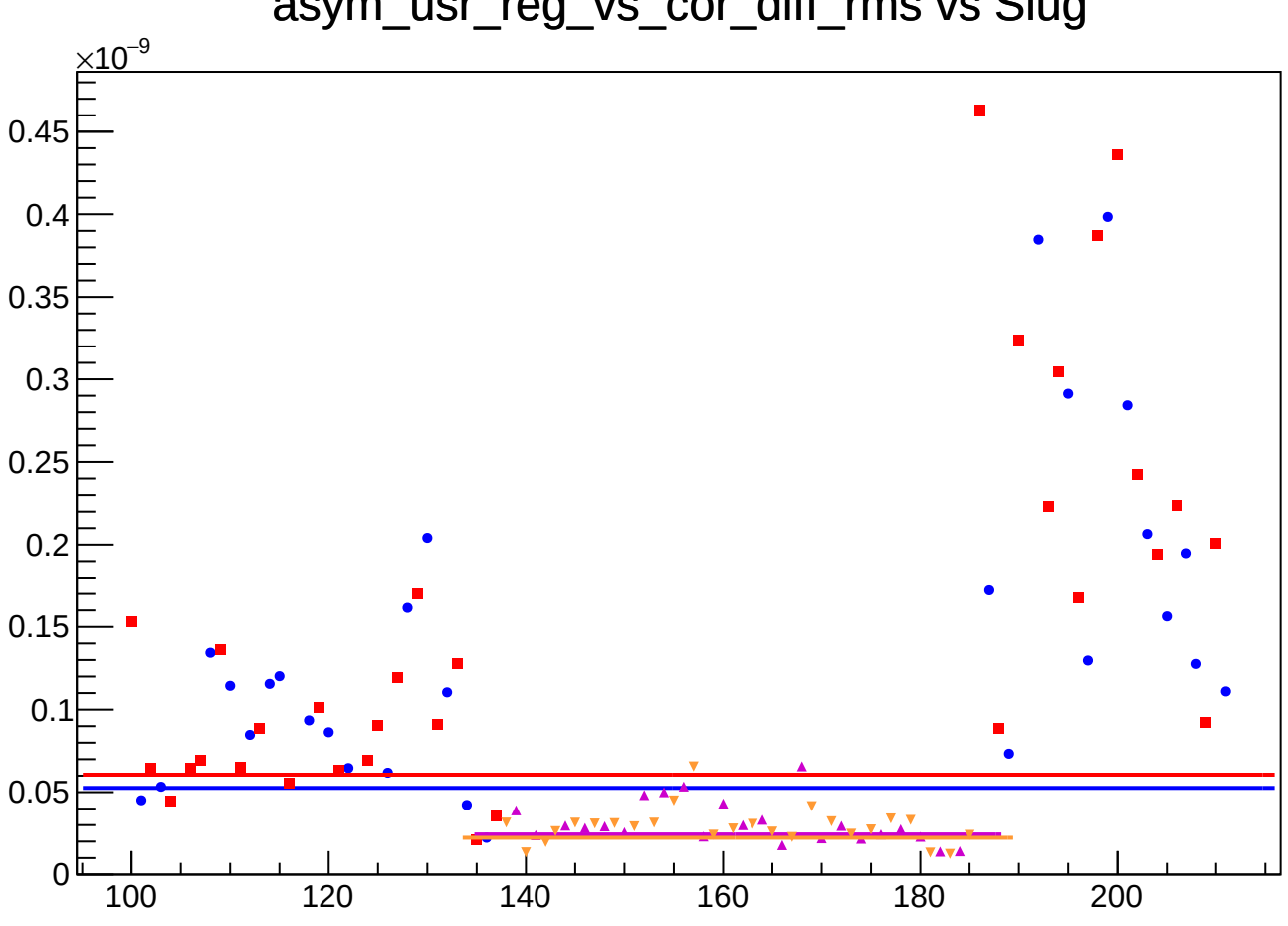
Right Out: 0.000+/-0.000 χ^2/NDF: 42.5/31

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

+ sign 0.000+/-0.000 χ^2/NDF: 59.8/52

All: 0.000+/-0.000 χ^2/NDF: 121.4/107

- sign 0.000+/-0.000 χ^2/NDF: 61.6/54



Right In: 0.000+/-0.000 χ^2/NDF: 8793507.7/27

Left Out: 0.000+/-0.000 χ^2/NDF:3629538.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8603655.5/31

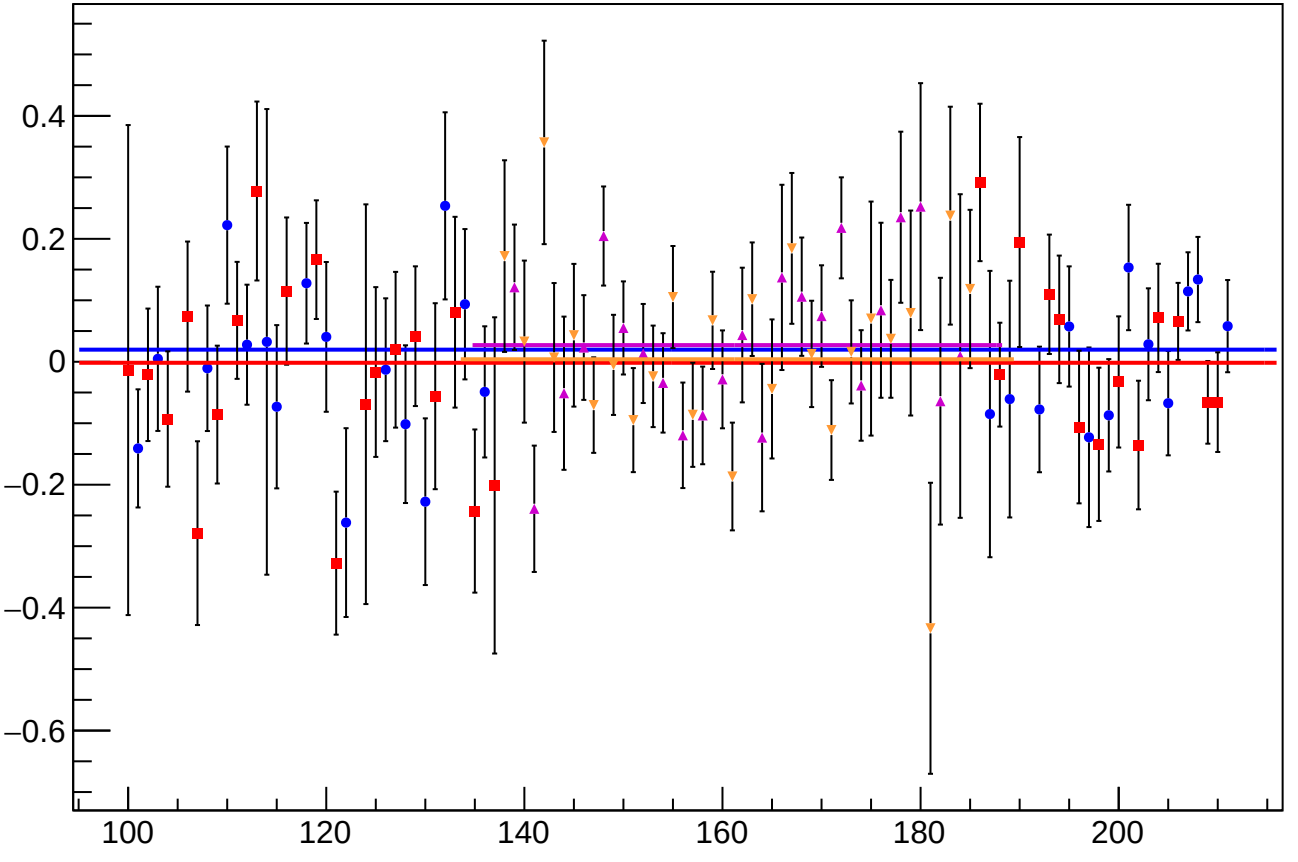
Left In: 0.000+/-0.000 χ^2/NDF:3124271.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 15569189.8/52

All: 0.000+/-0.000 χ^2/NDF: 31177874.2/107

- sign 0.000+/-0.000 χ^2/NDF: 15478486.2/54

asym_usr_dit_vs_cor_diff_mean vs Slug



Right In: 0.020+/-0.020 χ^2/NDF: 29.7/27

Left Out: 0.004+/-0.020 χ^2/NDF:28.2/24

Right Out: -0.002+/-0.019 χ^2/NDF: 41.0/31

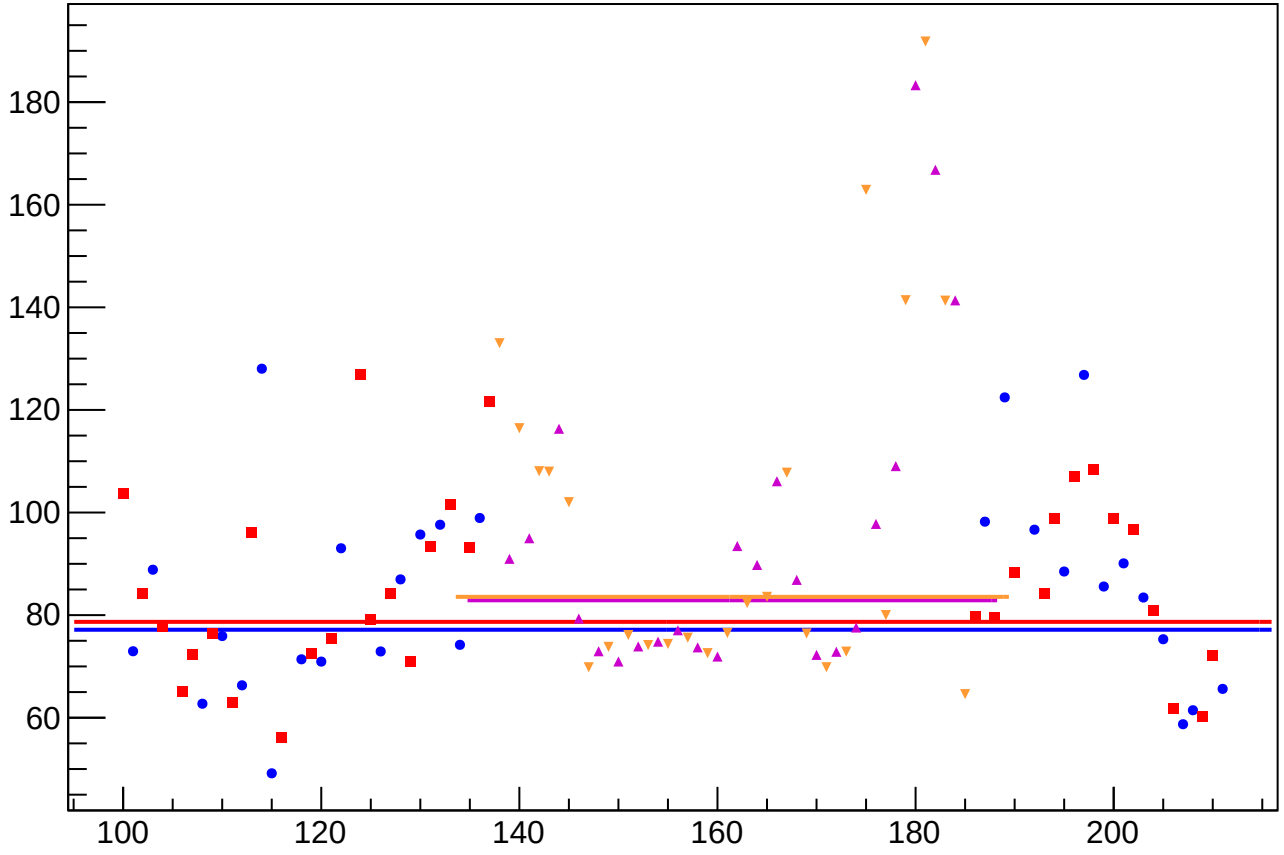
Left In: 0.027+/-0.021 χ^2/NDF:32.0/22

+ sign 0.012+/-0.014 χ^2/NDF: 58.1/52

All: 0.012+/-0.010 χ^2/NDF: 132.1/107

- sign 0.012+/-0.014 χ^2/NDF: 73.9/54

asym_usr_dit_vs_cor_diff_rms vs Slug



Right In: 77.151+/-0.014 χ^2/NDF: 1254449.0/27

Left Out: 83.564+/-0.014 χ^2/NDF:2172931.4/24

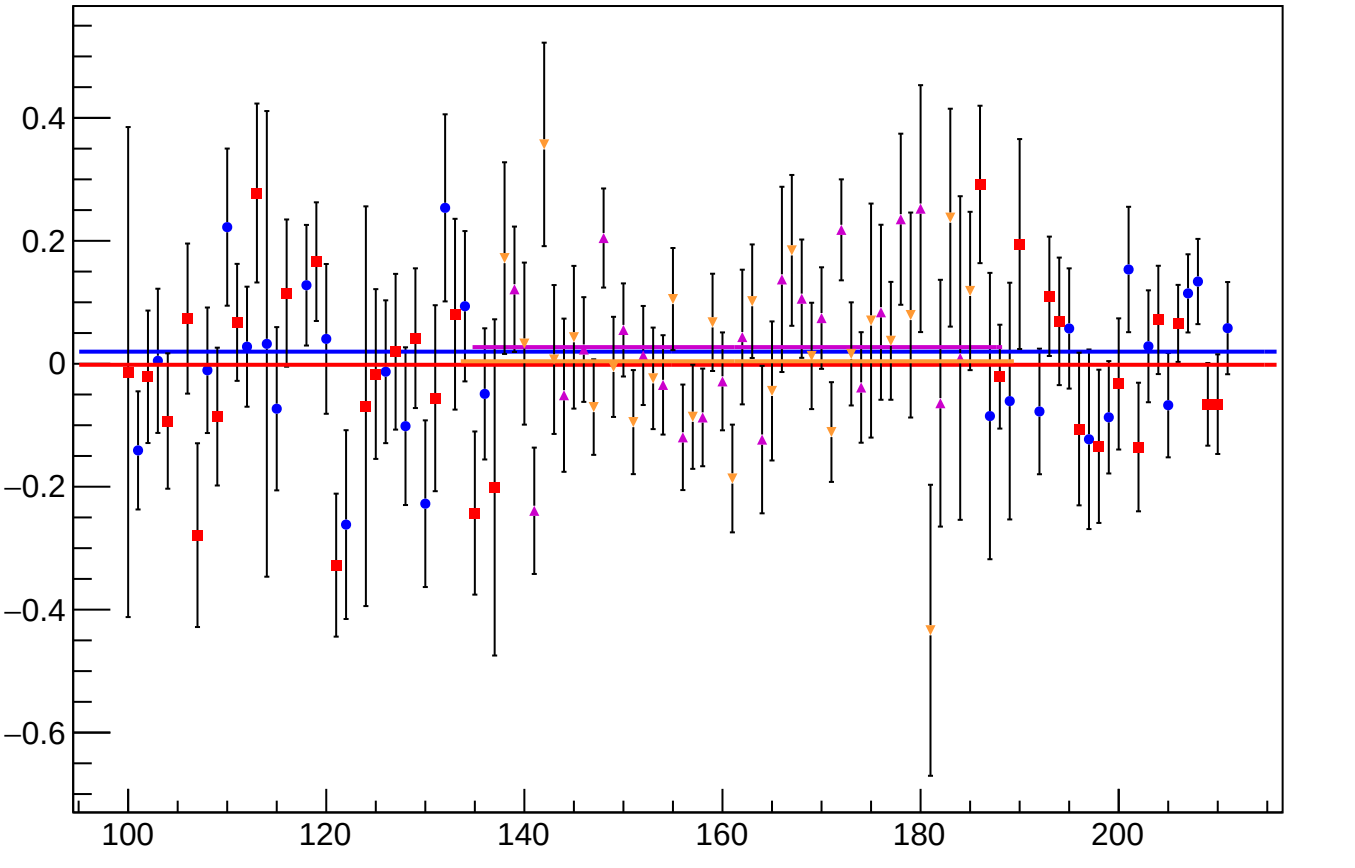
Right Out: 78.689+/-0.014 χ^2/NDF: 1145082.3/31

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

+ sign 80.304+/-0.010 χ^2/NDF: 3528842.3/52

All: 80.493+/-0.007 χ^2/NDF: 6291631.5/107

- sign 80.679+/-0.010 χ^2/NDF: 2762089.1/54



Right In: 0.020+/-0.020 χ^2/NDF: 29.7/27

Left Out: 0.004+/-0.020 χ^2/NDF:28.2/24

Right Out: -0.002+/-0.019 χ^2/NDF: 41.0/31

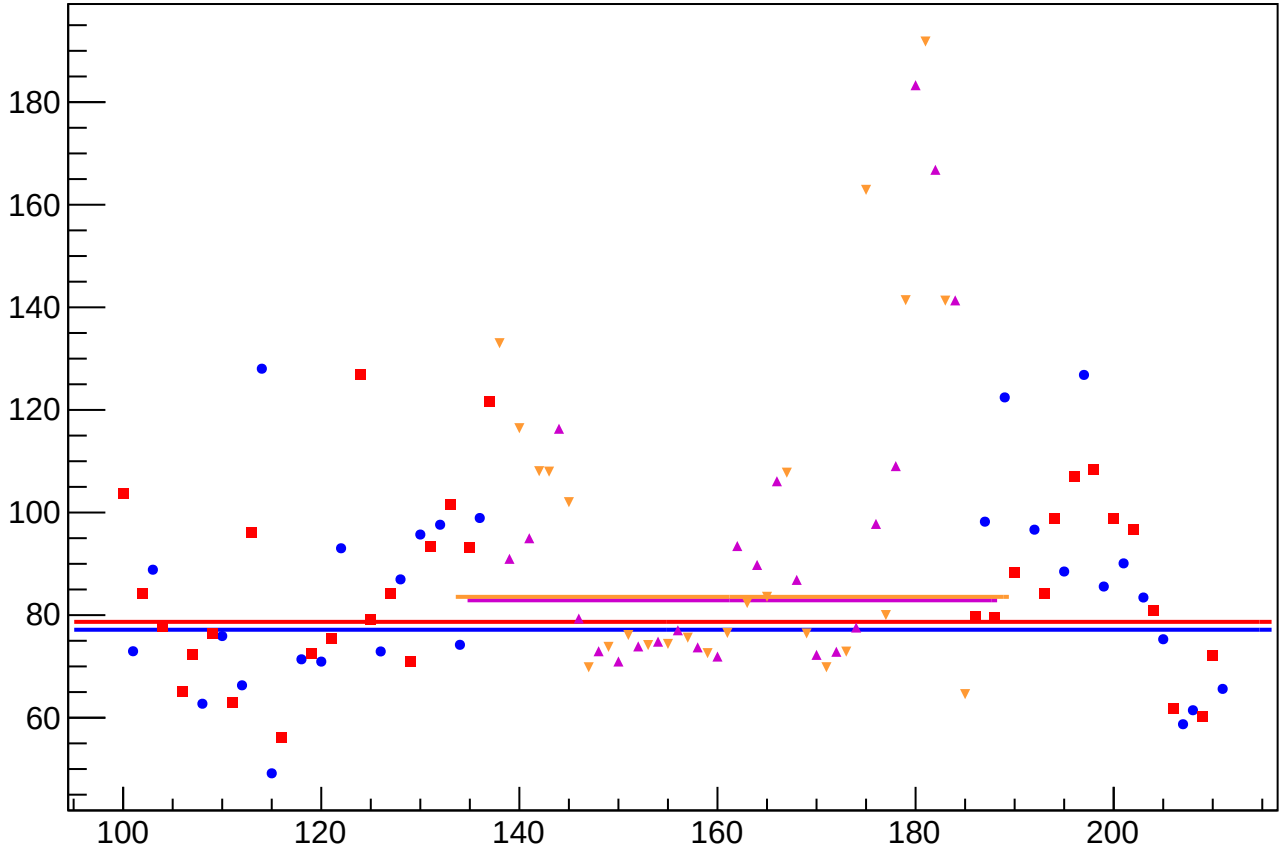
Left In: 0.027+/-0.021 χ^2/NDF:32.0/22

\+ sign 0.012+/-0.014 χ^2/NDF: 58.1/52

All: 0.012+/-0.010 χ^2/NDF: 132.1/107

\- sign 0.012+/-0.014 χ^2/NDF: 73.9/54

asym_usr_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 77.151+/-0.014 χ^2/NDF: 1254449.0/27

Left Out: 83.564+/-0.014 χ^2/NDF:2172931.4/24

Right Out: 78.689+/-0.014 χ^2/NDF: 1145082.3/31

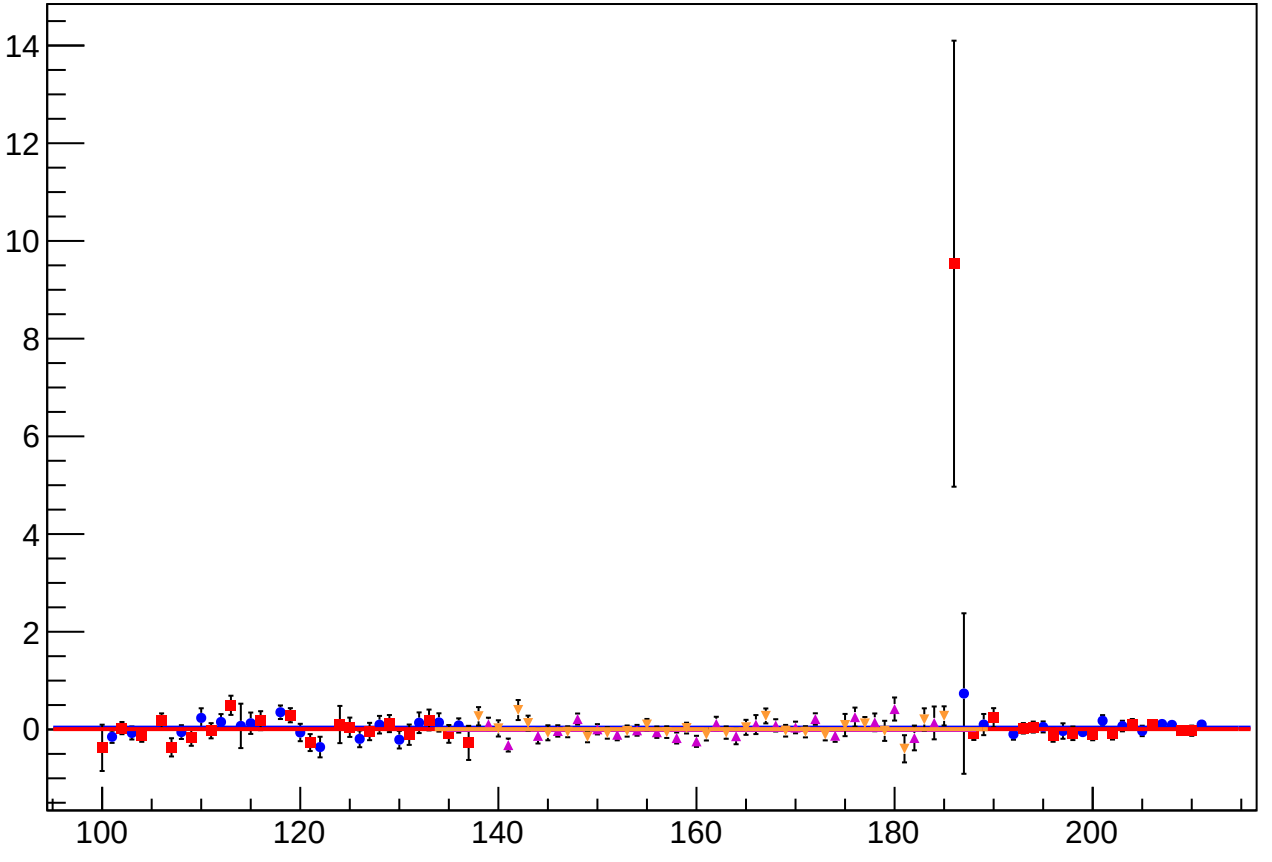
Left In: 82.891+/-0.015 χ^2/NDF:1573003.1/22

+ sign 80.304+/-0.010 χ^2/NDF: 3528842.3/52

All: 80.493+/-0.007 χ^2/NDF: 6291631.5/107

- sign 80.679+/-0.010 χ^2/NDF: 2762089.1/54

asym_usr_dit_vs_overload_cor_diff_mean vs Slug



Right In: 0.038+/-0.026 χ^2/NDF: 24.8/27

Left Out: 0.006+/-0.028 χ^2/NDF:21.3/24

Right Out: 0.007+/-0.025 χ^2/NDF: 35.8/31

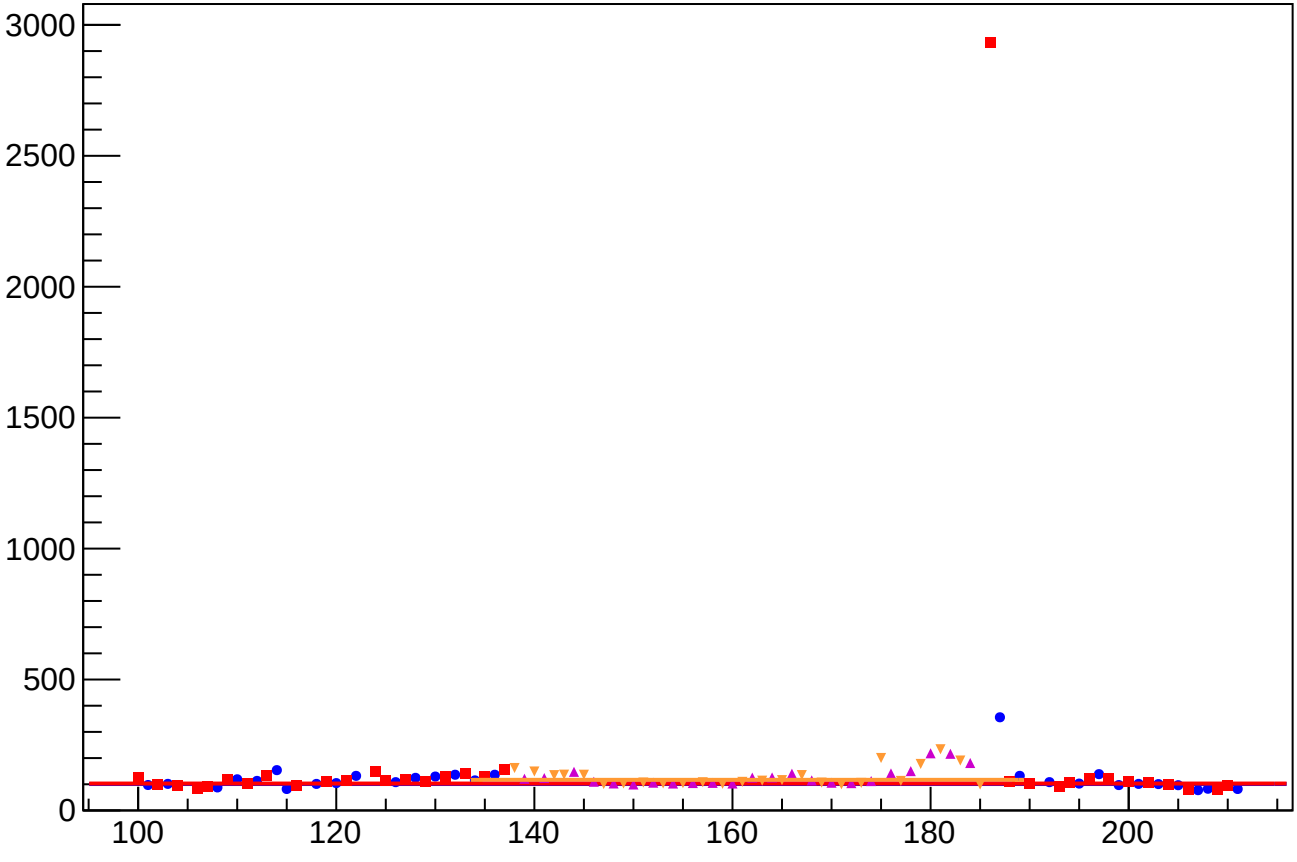
Left In: -0.010+/-0.028 χ^2/NDF:31.3/22

+ sign 0.023+/-0.019 χ^2/NDF: 46.8/52

All: 0.011+/-0.013 χ^2/NDF: 114.9/107

- sign -0.001+/-0.019 χ^2/NDF: 67.3/54

asym_usr_dit_vs_overload_cor_diff_rms vs Slug



Right In: 100.953+/-0.018 χ^2/NDF: 940436.0/27

Left Out: 116.880+/-0.020 χ^2/NDF:1596935.1/24

Right Out: 102.760+/-0.018 χ^2/NDF: 1559348.6/31

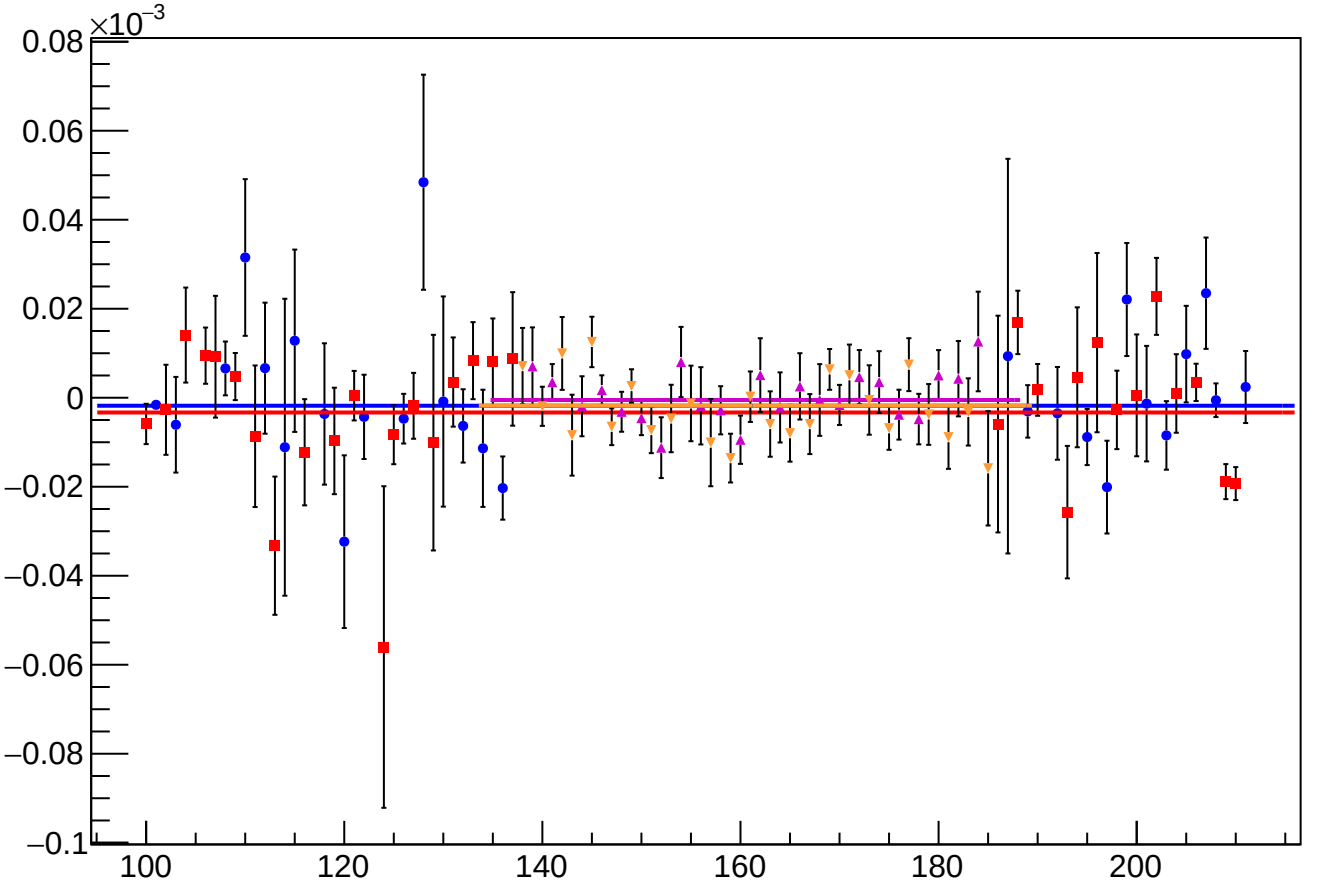
Left In: 115.858+/-0.020 χ^2/NDF:1231382.1/22

+ sign 108.348+/-0.013 χ^2/NDF: 2889990.0/52

All: 108.488+/-0.009 χ^2/NDF: 5919747.9/107

- sign 108.626+/-0.013 χ^2/NDF: 3029540.0/54

asym_usr_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 35.7/27

Left Out: -0.000+/-0.000 χ^2/NDF:31.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 80.6/31

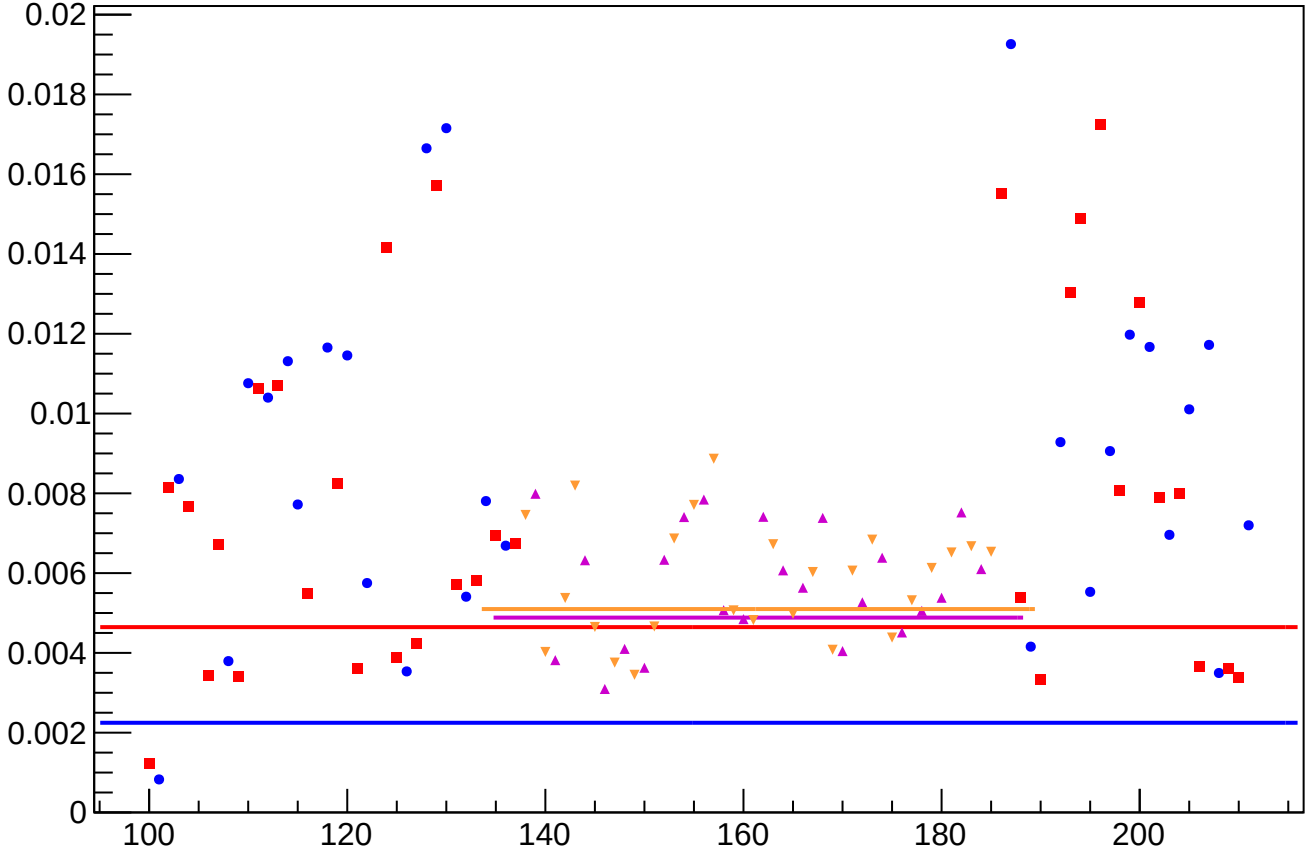
Left In: -0.000+/-0.000 χ^2/NDF:15.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 66.8/52

All: -0.000+/-0.000 χ^2/NDF: 165.5/107

- sign -0.000+/-0.000 χ^2/NDF: 98.7/54

asym_usr_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 19261753.9/27

Left Out: 0.005+/-0.000 χ^2/NDF:2378649.6/24

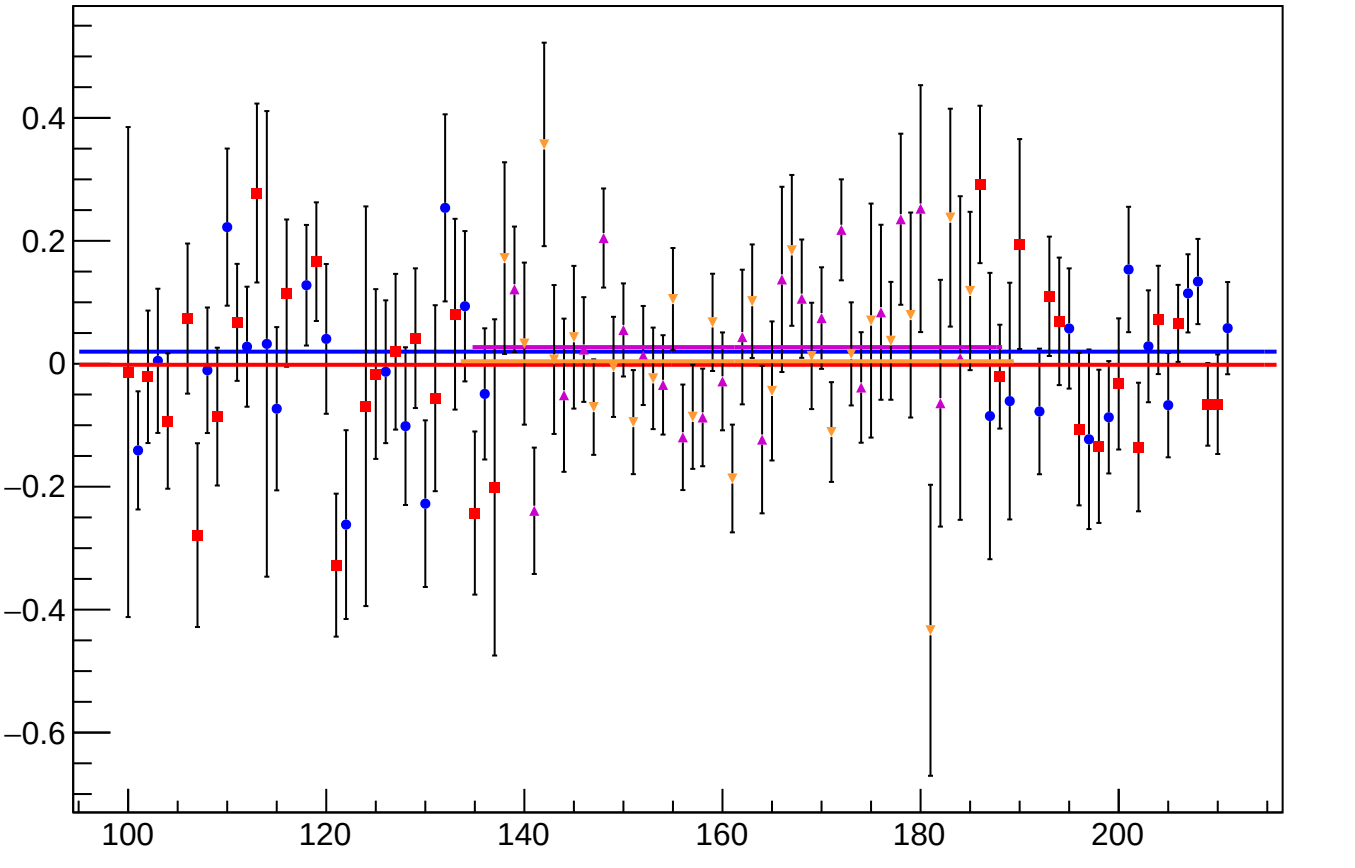
Right Out: 0.005+/-0.000 χ^2/NDF: 8268137.6/31

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

+ sign 0.003+/-0.000 χ^2/NDF: 28823043.0/52

All: 0.004+/-0.000 χ^2/NDF: 43438811.1/107

- sign 0.005+/-0.000 χ^2/NDF: 11029349.3/54



Right In: 0.020+/-0.020 χ^2/NDF: 29.7/27

Left Out: 0.004+/-0.020 χ^2/NDF:28.2/24

Right Out: -0.002+/-0.019 χ^2/NDF: 41.0/31

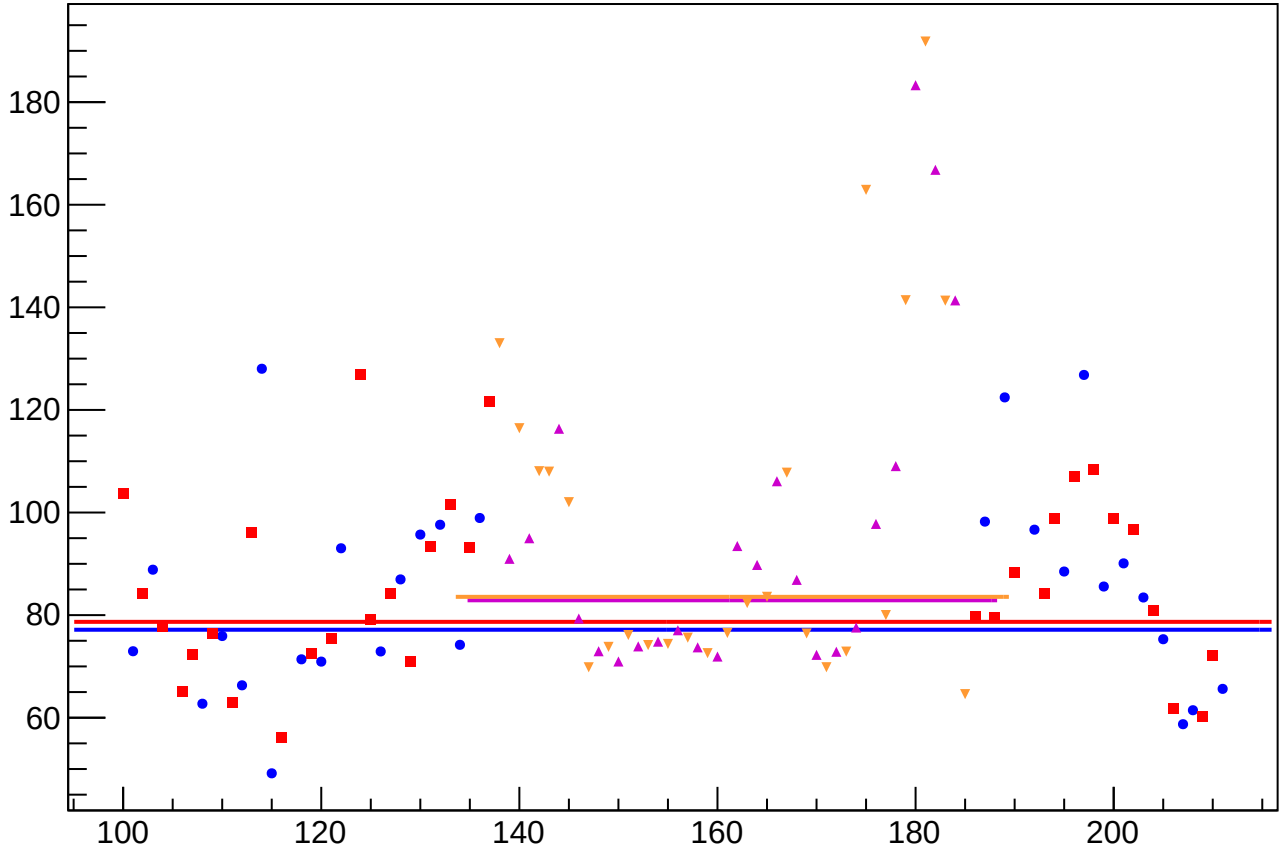
Left In: 0.027+/-0.021 χ^2/NDF:32.0/22

+ sign 0.012+/-0.014 χ^2/NDF: 58.1/52

All: 0.012+/-0.010 χ^2/NDF: 132.1/107

- sign 0.012+/-0.014 χ^2/NDF: 73.9/54

asym_usr_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 77.151+/-0.014 χ^2/NDF: 1254338.8/27

Left Out: 83.565+/-0.014 χ^2/NDF:2172921.0/24

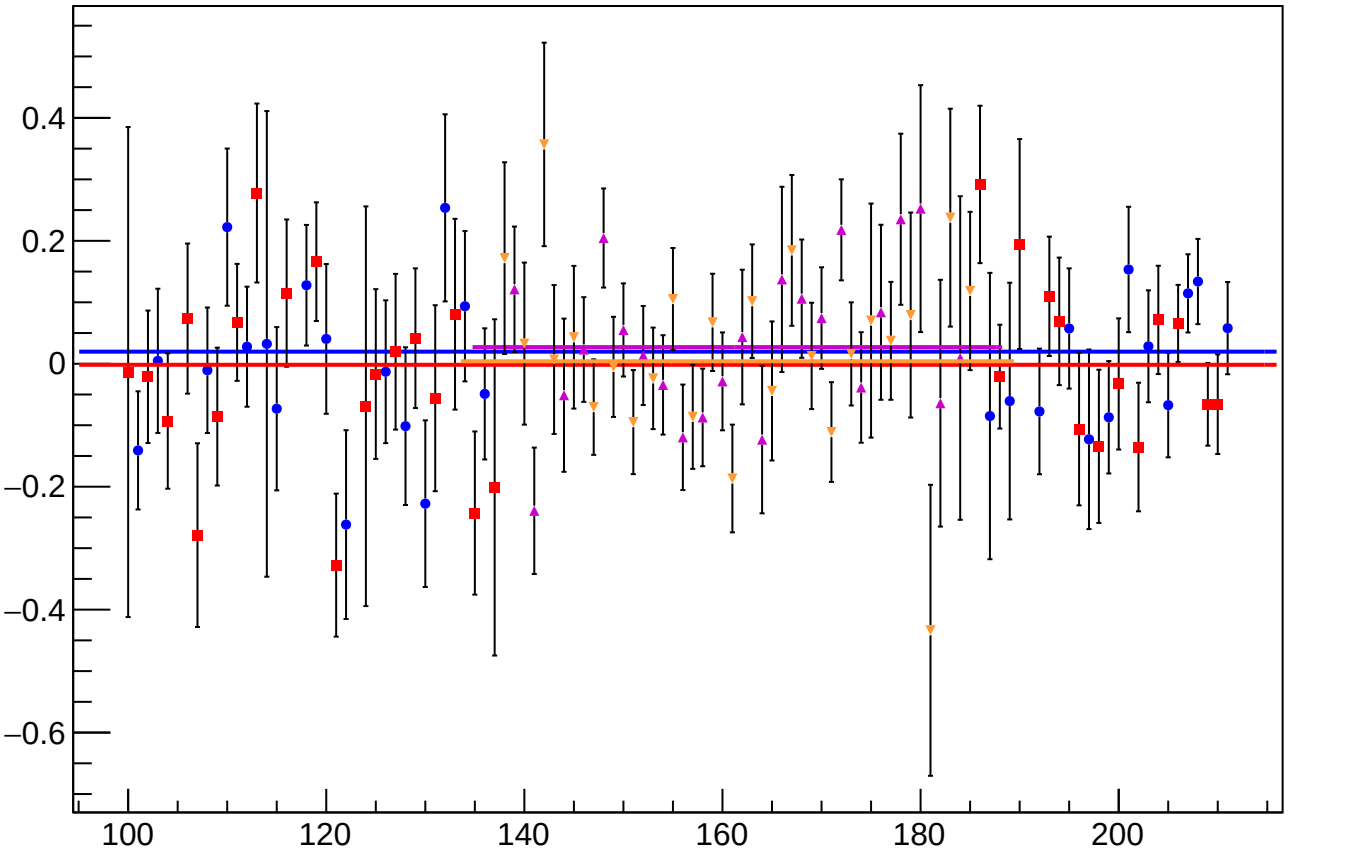
Right Out: 78.689+/-0.014 χ^2/NDF: 1145019.9/31

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

+ sign 80.304+/-0.010 χ^2/NDF: 3528733.0/52

All: 80.493+/-0.007 χ^2/NDF: 6291457.3/107

- sign 80.679+/-0.010 χ^2/NDF: 2762026.4/54



Right In: 0.020+/-0.020 χ^2/NDF: 29.7/27

Left Out: 0.004+/-0.020 χ^2/NDF:28.2/24

Right Out: -0.002+/-0.019 χ^2/NDF: 41.0/31

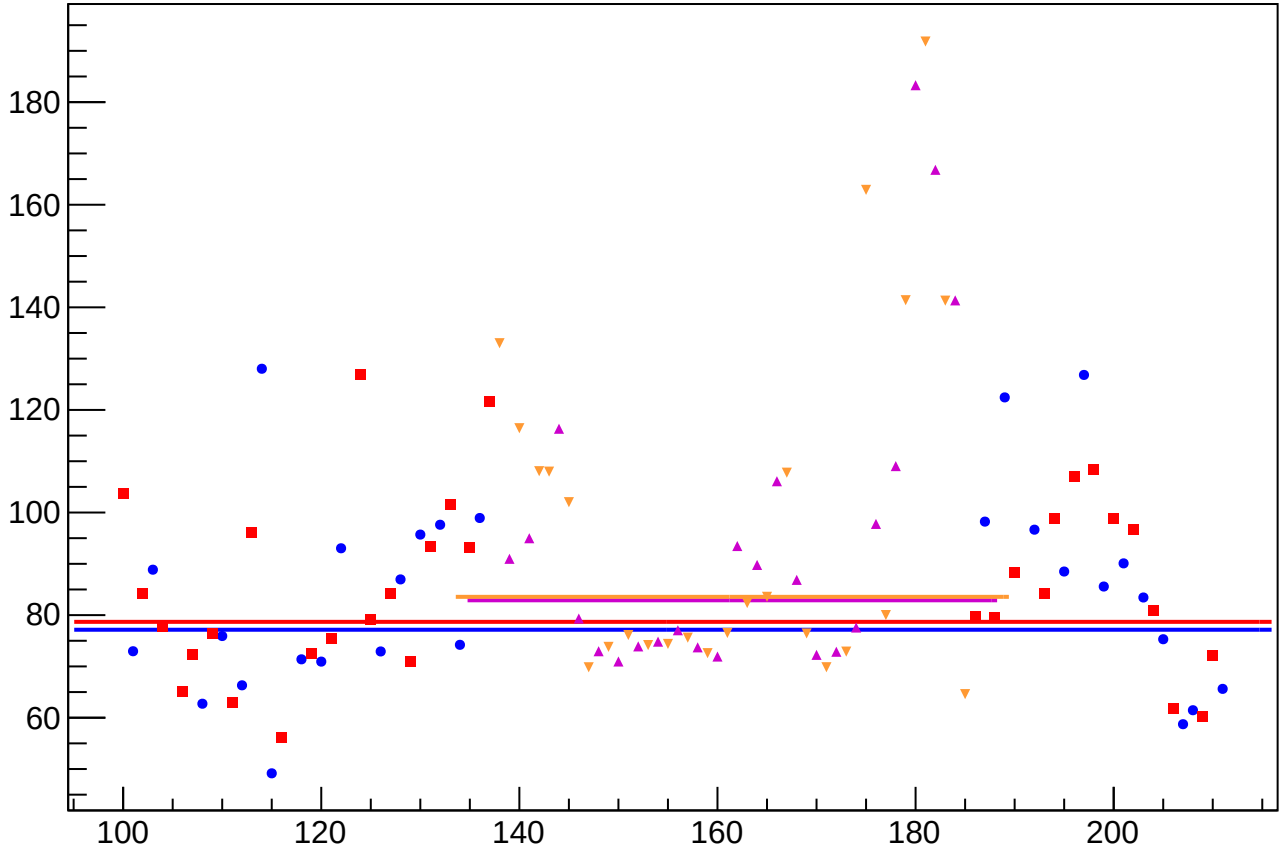
Left In: 0.027+/-0.021 χ^2/NDF:32.0/22

+ sign 0.012+/-0.014 χ^2/NDF: 58.1/52

All: 0.012+/-0.010 χ^2/NDF: 132.1/107

- sign 0.012+/-0.014 χ^2/NDF: 73.9/54

asym_usr_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 77.151+/-0.014 χ^2/NDF: 1254338.8/27

Left Out: 83.565+/-0.014 χ^2/NDF:2172921.0/24

Right Out: 78.689+/-0.014 χ^2/NDF: 1145019.9/31

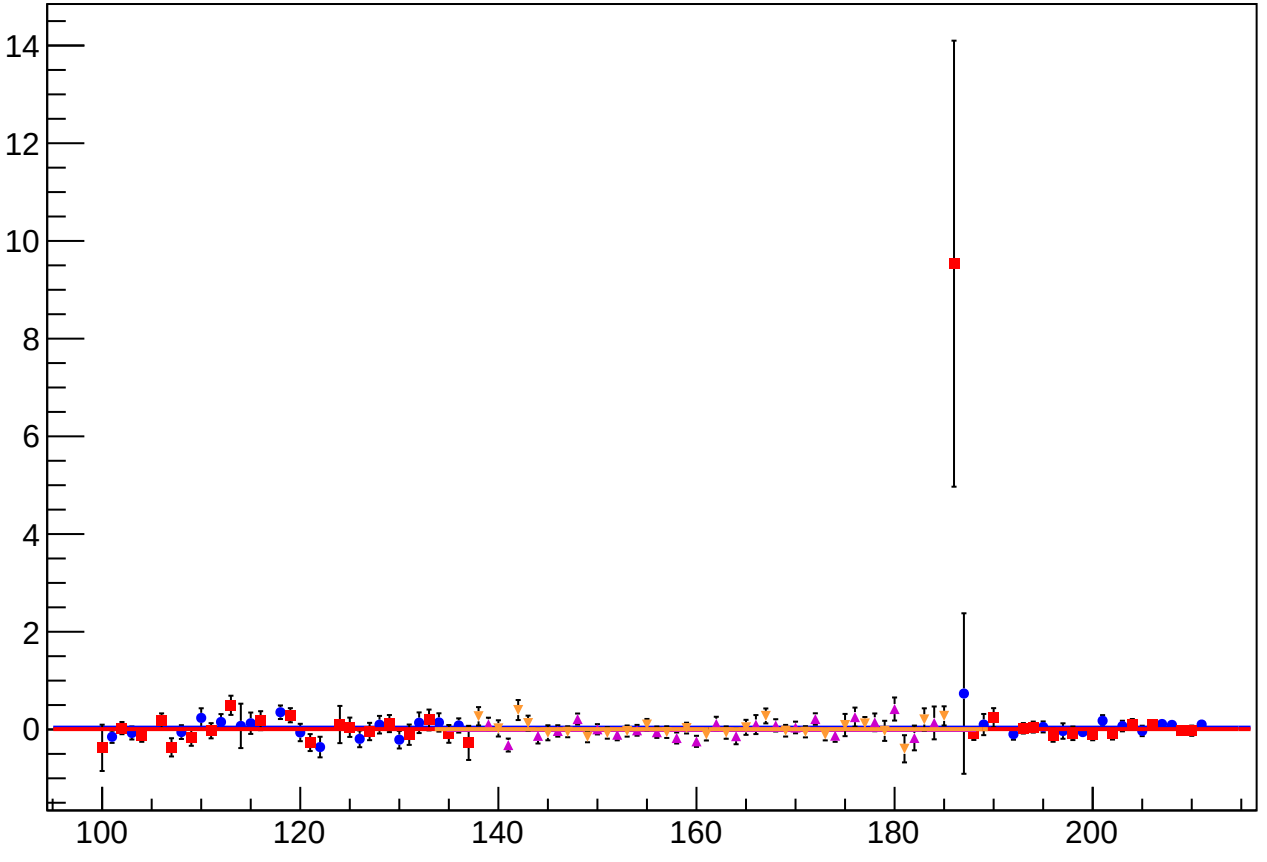
Left In: 82.891+/-0.015 χ^2/NDF:1572981.0/22

+ sign 80.304+/-0.010 χ^2/NDF: 3528733.0/52

All: 80.493+/-0.007 χ^2/NDF: 6291457.3/107

- sign 80.679+/-0.010 χ^2/NDF: 2762026.4/54

asym_usr_eigen_dit_vs_overload_cor_diff_mean vs Slug



Right In: 0.038+/-0.026 χ^2/NDF: 24.8/27

Left Out: 0.006+/-0.028 χ^2/NDF:21.3/24

Right Out: 0.007+/-0.025 χ^2/NDF: 35.8/31

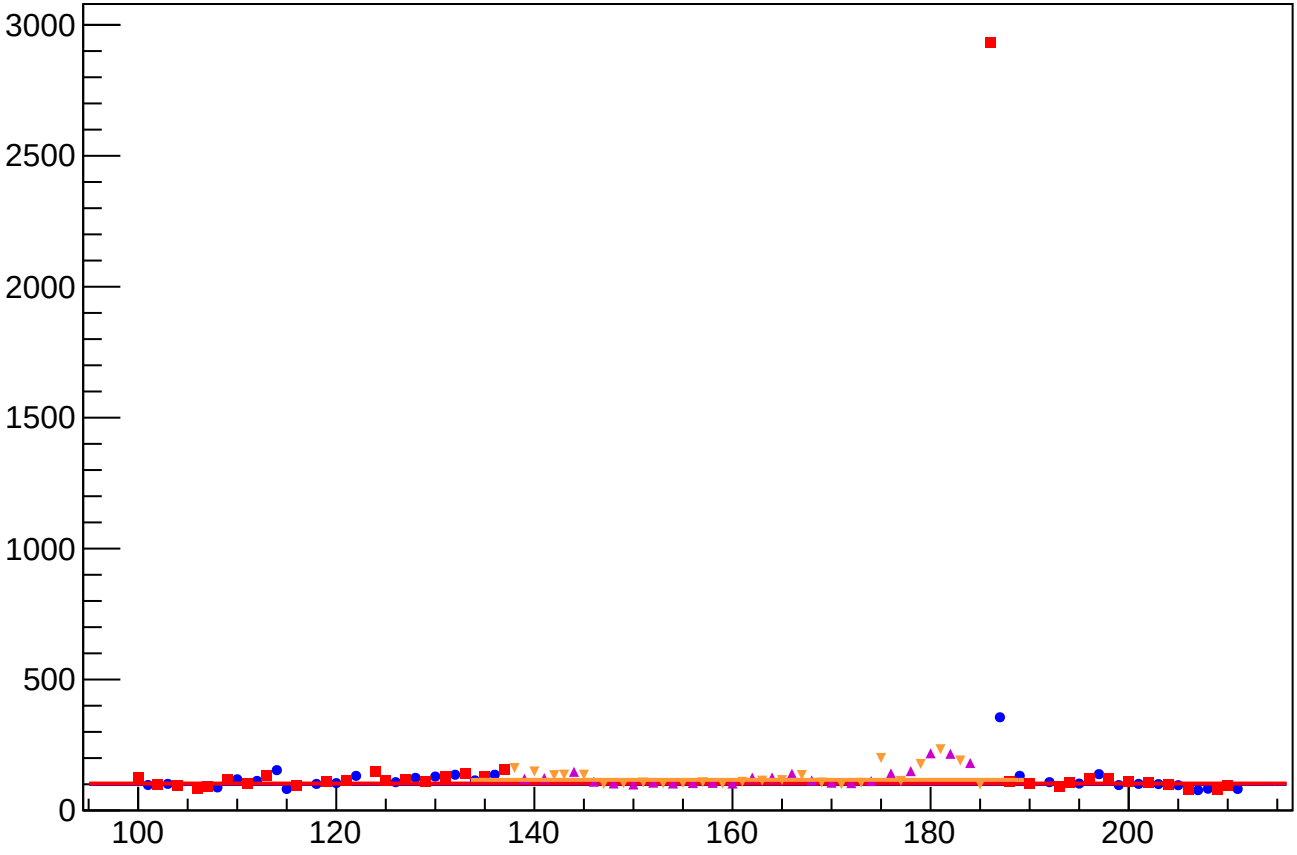
Left In: -0.010+/-0.028 χ^2/NDF:31.3/22

+ sign 0.023+/-0.019 χ^2/NDF: 46.8/52

All: 0.011+/-0.013 χ^2/NDF: 114.9/107

- sign -0.001+/-0.019 χ^2/NDF: 67.3/54

asym_usr_eigen_dit_vs_overload_cor_diff_rms vs Slug



Right In: 100.954+/-0.018 χ^2/NDF: 940313.4/27

Left Out: 116.880+/-0.020 χ^2/NDF:1596928.7/24

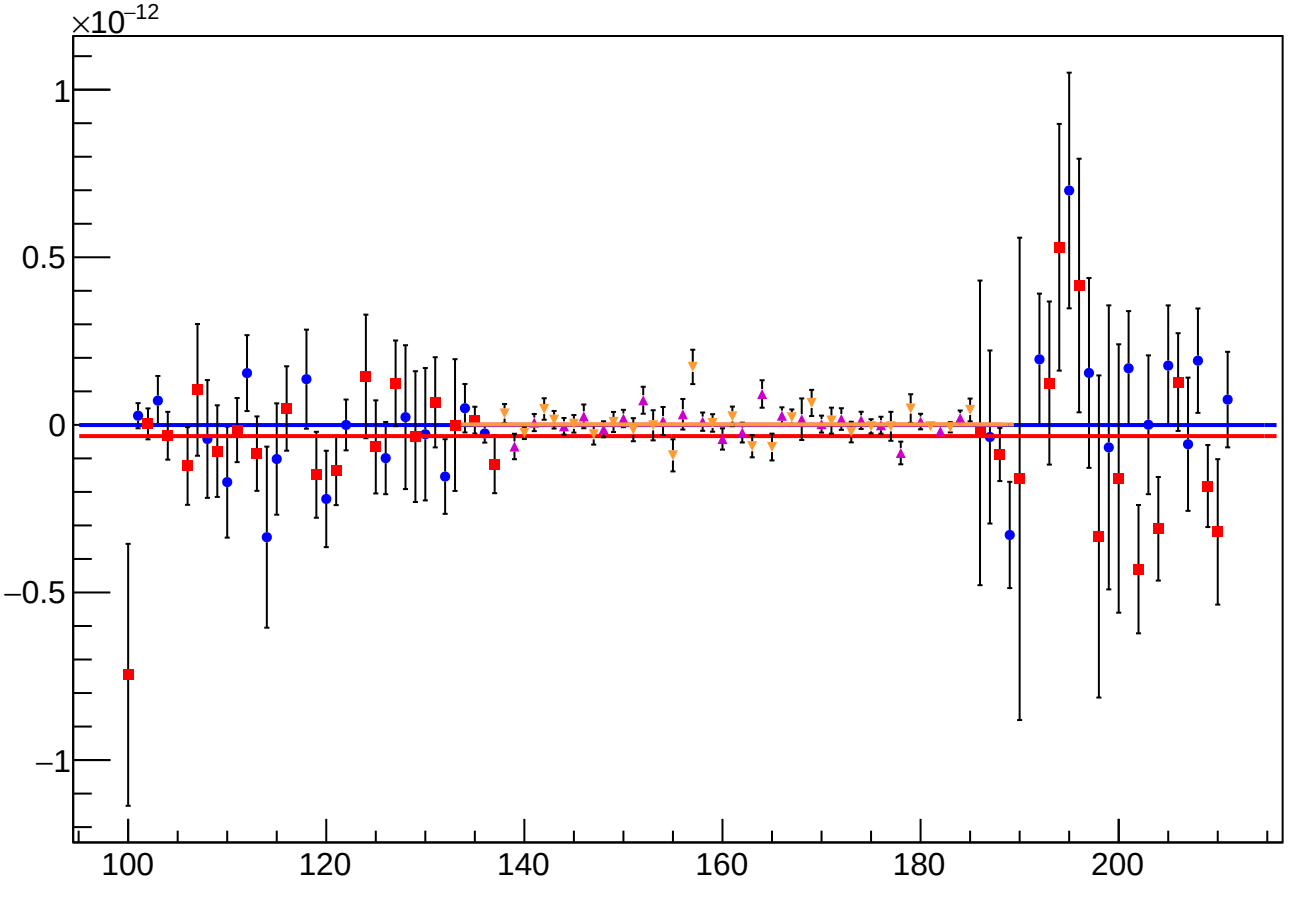
Right Out: 102.760+/-0.018 χ^2/NDF: 1559278.4/31

Left In: 115.858+/-0.020 χ^2/NDF:1231371.8/22

+ sign 108.348+/-0.013 χ^2/NDF: 2889861.5/52

All: 108.488+/-0.009 χ^2/NDF: 5919557.5/107

- sign 108.626+/-0.013 χ^2/NDF: 3029478.8/54



Right In: -0.000+/-0.000 χ^2/NDF: 27.2/27

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

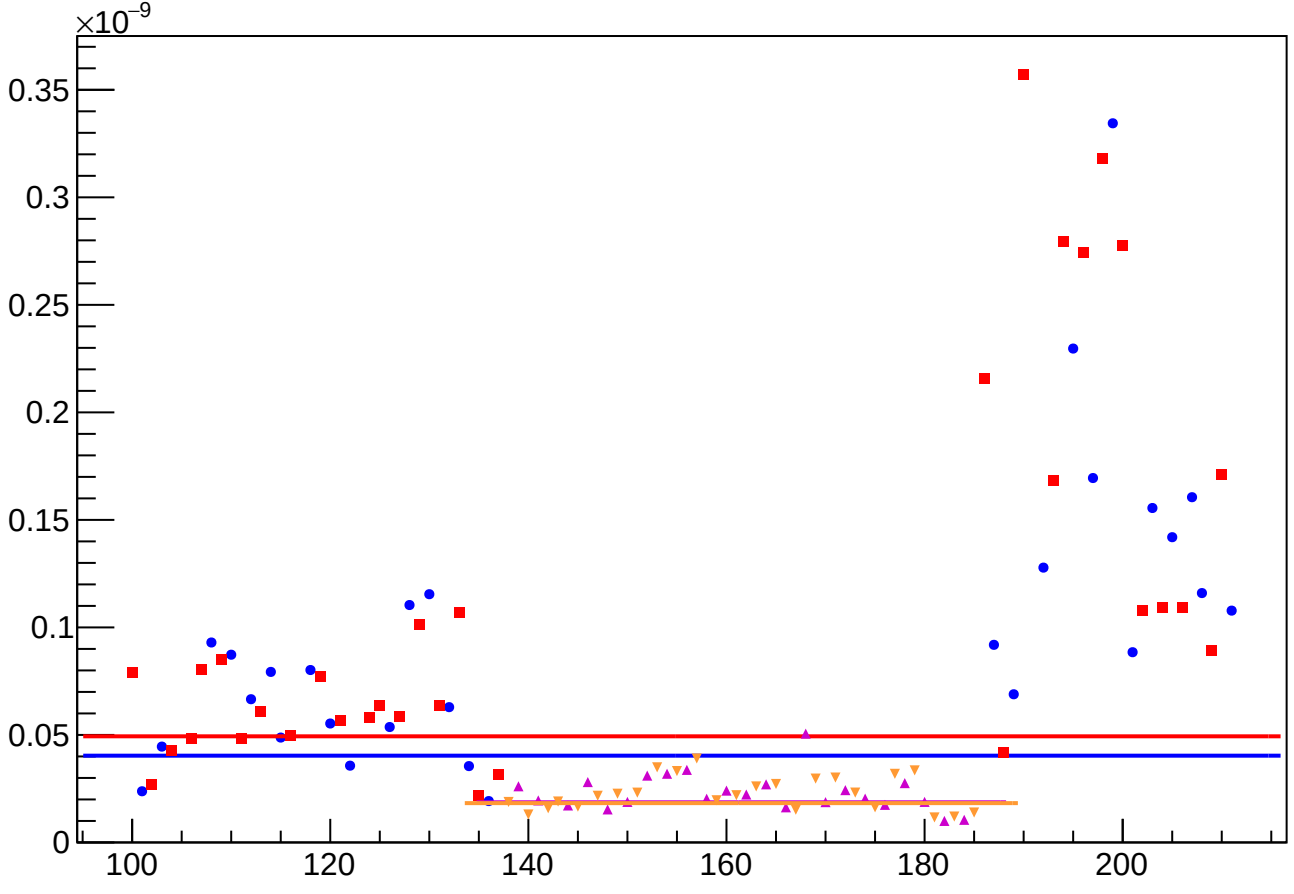
Right Out: -0.000+/-0.000 χ^2/NDF: 30.2/31

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

+ sign 0.000+/-0.000 χ^2/NDF: 63.8/52

All: -0.000+/-0.000 χ^2/NDF: 123.8/107

- sign -0.000+/-0.000 χ^2/NDF: 59.7/54



Right In: 0.000+/-0.000 χ^2/NDF: 8461913.2/27

Left Out: 0.000+/-0.000 χ^2/NDF:3029080.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7799370.3/31

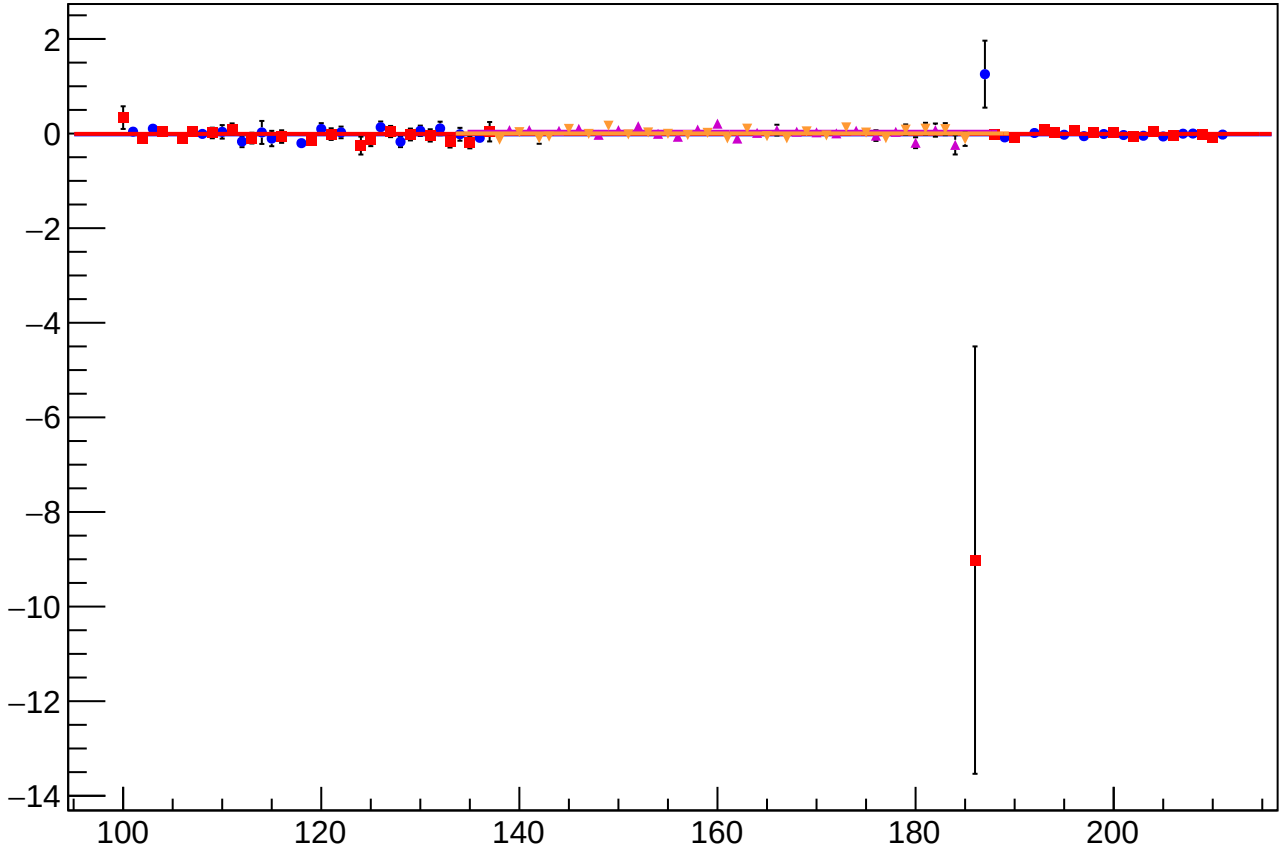
Left In: 0.000+/-0.000 χ^2/NDF:2908977.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 14522166.0/52

All: 0.000+/-0.000 χ^2/NDF: 29855779.6/107

- sign 0.000+/-0.000 χ^2/NDF: 15312542.5/54

asym_usr_overload_cor_vs_cor_diff_mean vs Slug



Right In: -0.017+/-0.013 χ^2/NDF: 24.0/27

Left Out: 0.003+/-0.017 χ^2/NDF:21.5/24

Right Out: -0.007+/-0.012 χ^2/NDF: 38.1/31

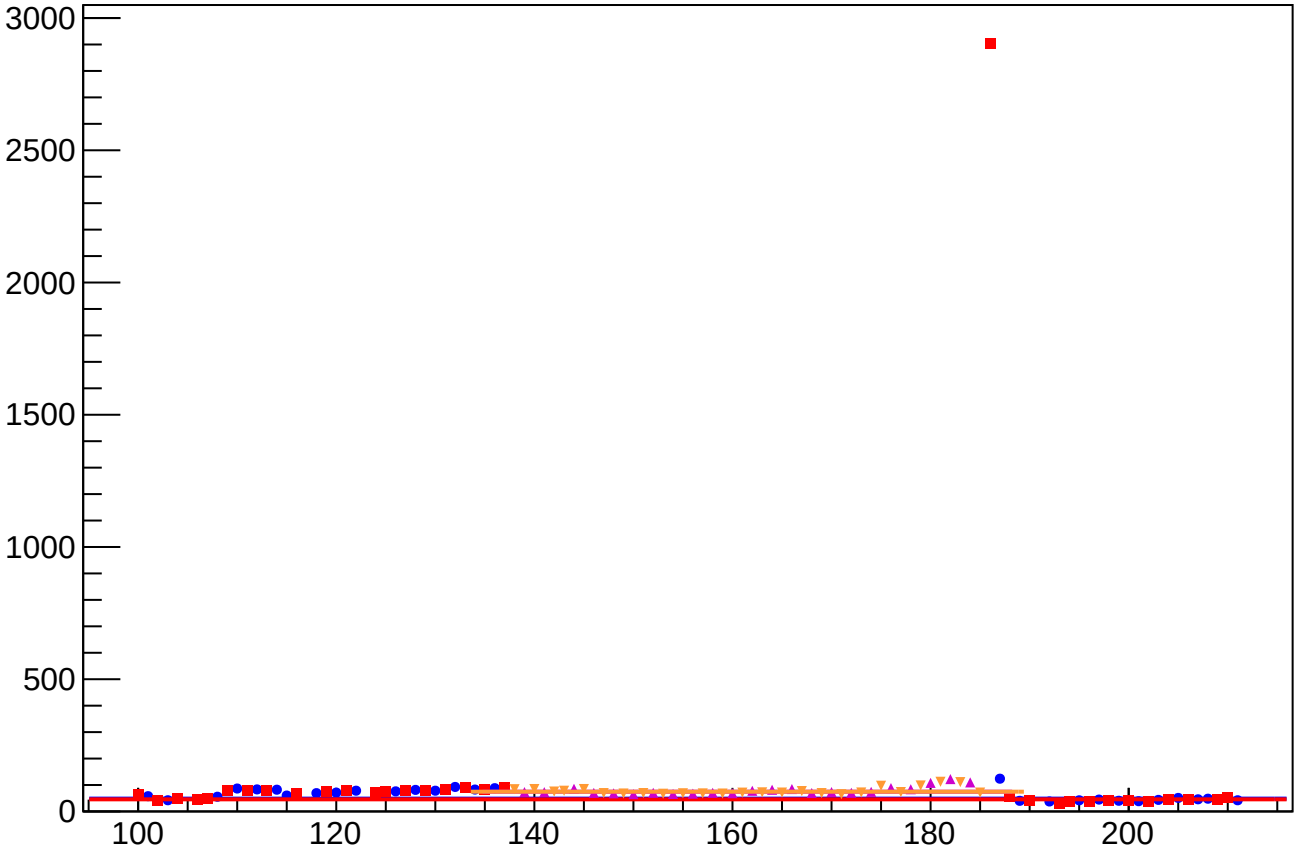
Left In: 0.038+/-0.018 χ^2/NDF:21.6/22

+ sign -0.010+/-0.010 χ^2/NDF: 46.4/52

All: -0.001+/-0.007 χ^2/NDF: 112.0/107

- sign 0.007+/-0.010 χ^2/NDF: 64.1/54

asym_usr_overload_cor_vs_cor_diff_rms vs Slug



Right In: 48.530+/-0.009 χ^2/NDF: 2282689.0/27

Left Out: 74.749+/-0.012 χ^2/NDF:744366.0/24

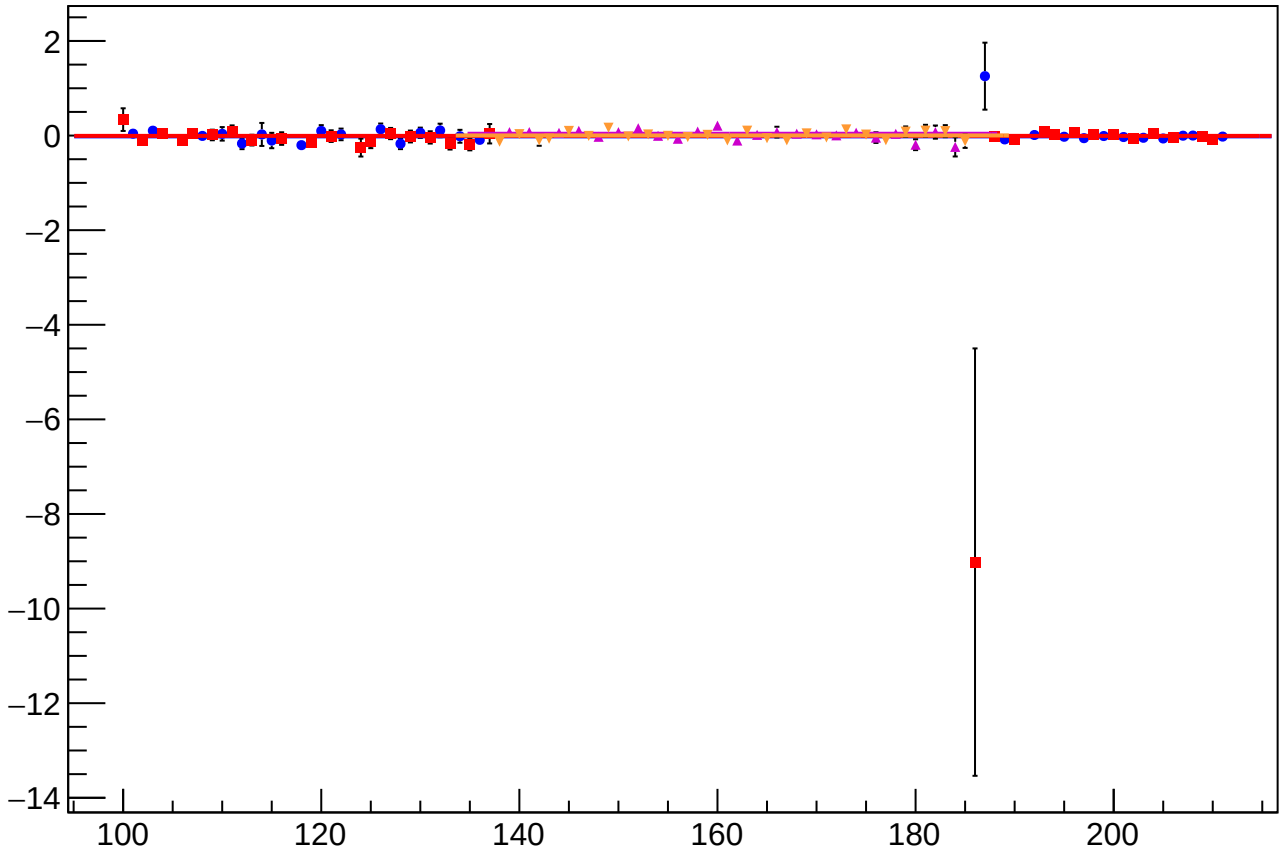
Right Out: 45.832+/-0.008 χ^2/NDF: 3629496.2/31

Left In: 74.601+/-0.013 χ^2/NDF:713751.1/22

+ sign 57.662+/-0.007 χ^2/NDF: 5977704.0/52

All: 56.083+/-0.005 χ^2/NDF: 14008397.5/107

- sign 54.626+/-0.007 χ^2/NDF: 7940056.5/54



Right In: -0.017+/-0.013 χ^2/NDF: 24.0/27

Left Out: 0.003+/-0.017 χ^2/NDF:21.5/24

Right Out: -0.007+/-0.012 χ^2/NDF: 38.1/31

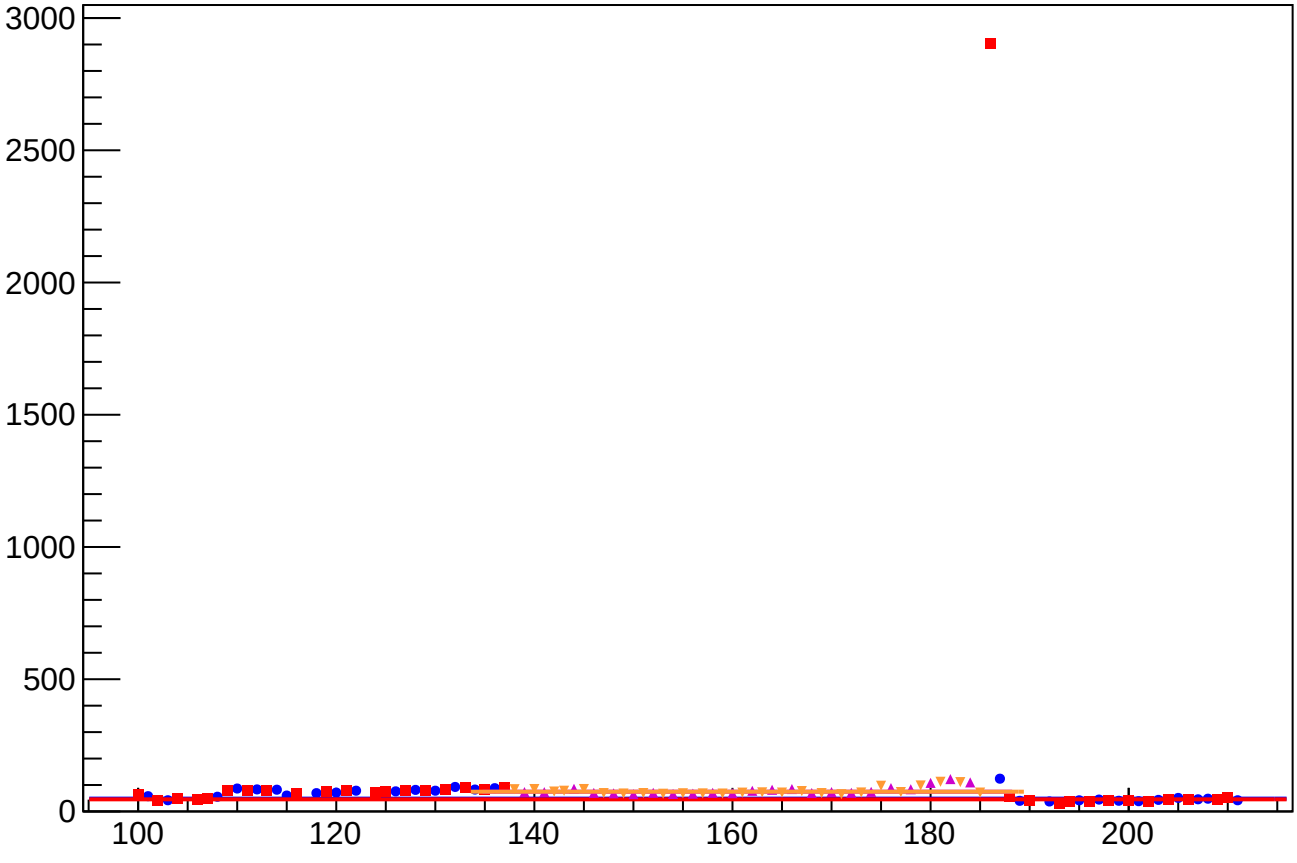
Left In: 0.038+/-0.018 χ^2/NDF:21.6/22

+ sign -0.010+/-0.010 χ^2/NDF: 46.4/52

All: -0.001+/-0.007 χ^2/NDF: 112.0/107

- sign 0.007+/-0.010 χ^2/NDF: 64.1/54

asym_usr_overload_cor_vs_eigen_cor_diff_rms vs Slug



Right In: 48.530+/-0.009 χ^2/NDF: 2282689.0/27

Left Out: 74.749+/-0.012 χ^2/NDF:744366.0/24

Right Out: 45.832+/-0.008 χ^2/NDF: 3629496.2/31

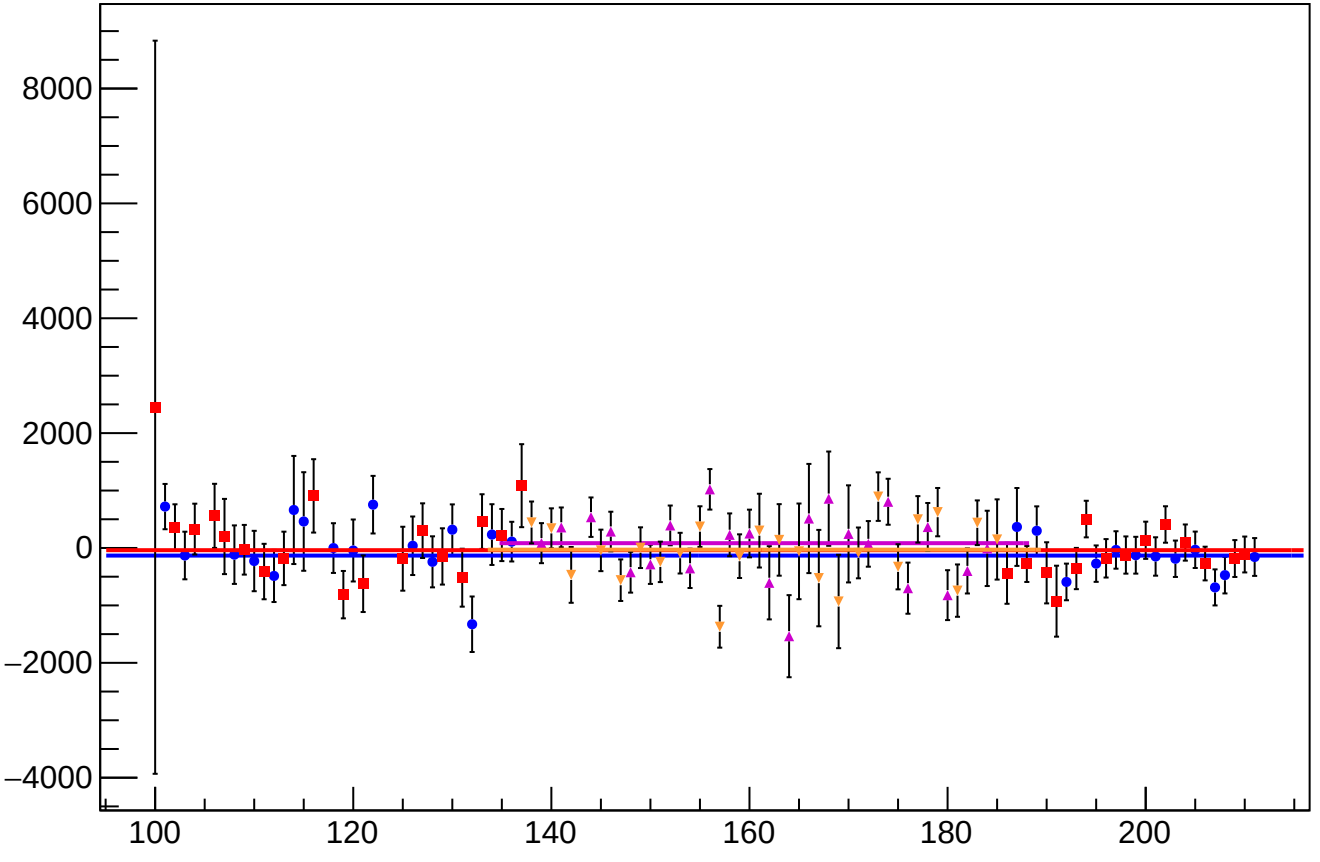
Left In: 74.601+/-0.013 χ^2/NDF:713751.1/22

+ sign 57.662+/-0.007 χ^2/NDF: 5977704.0/52

All: 56.083+/-0.005 χ^2/NDF: 14008397.5/107

- sign 54.626+/-0.007 χ^2/NDF: 7940056.5/54

asym_dsl_mean vs Slug



Right In: -132.325+/-75.637 χ^2/NDF: 26.4/27

Left Out: -29.346+/-86.530 χ^2/NDF:36.6/23

Right Out: -38.384+/-73.044 χ^2/NDF: 27.3/31

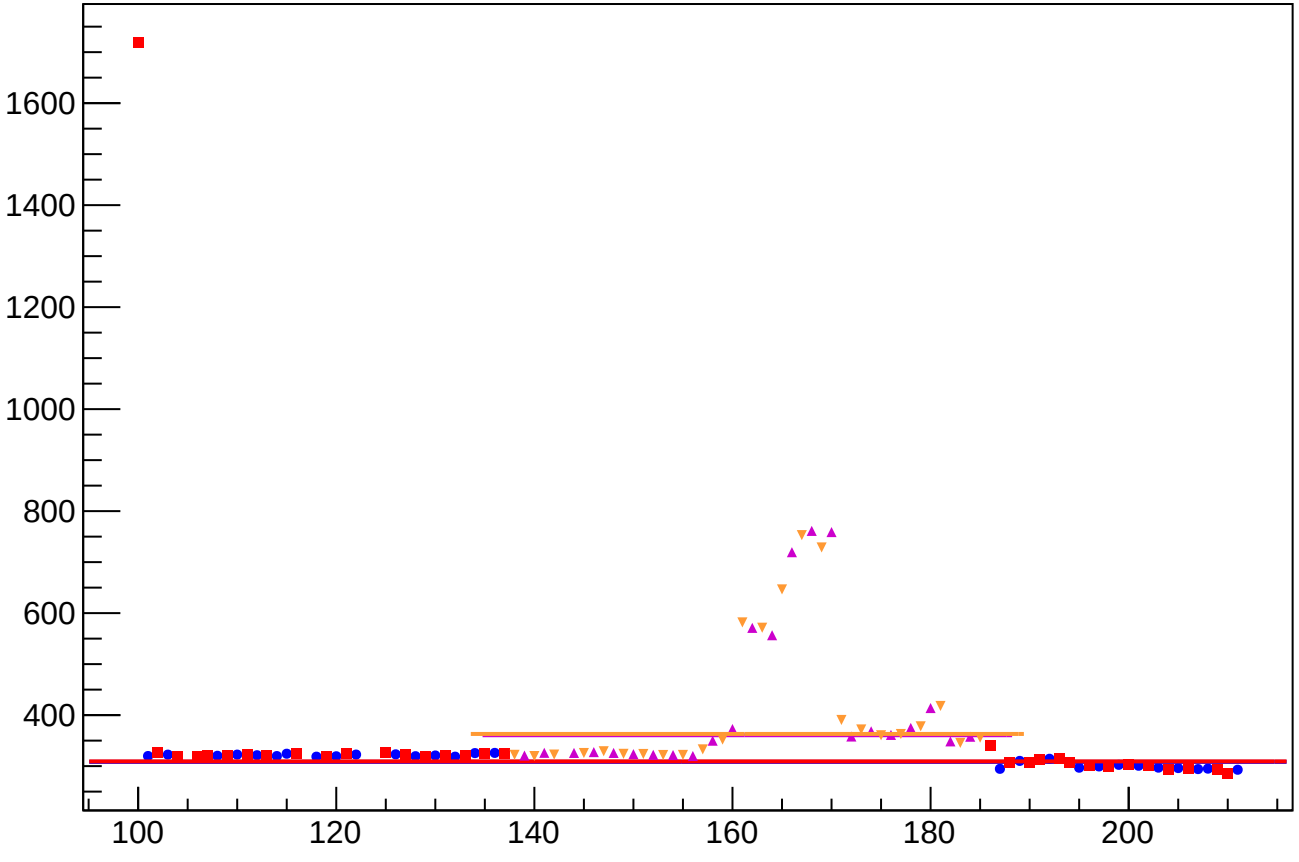
Left In: 83.719+/-86.476 χ^2/NDF:35.8/22

\+ sign -87.722+/-56.948 χ^2/NDF: 63.7/51

All: -36.613+/-39.857 χ^2/NDF: 129.6/106

\- sign 12.458+/-55.801 χ^2/NDF: 64.3/54

asym_dsl_rms vs Slug



Right In: 308.319+/-0.053 χ^2/NDF: 50298.0/27

Left Out: 363.079+/-0.061 χ^2/NDF:1795570.0/23

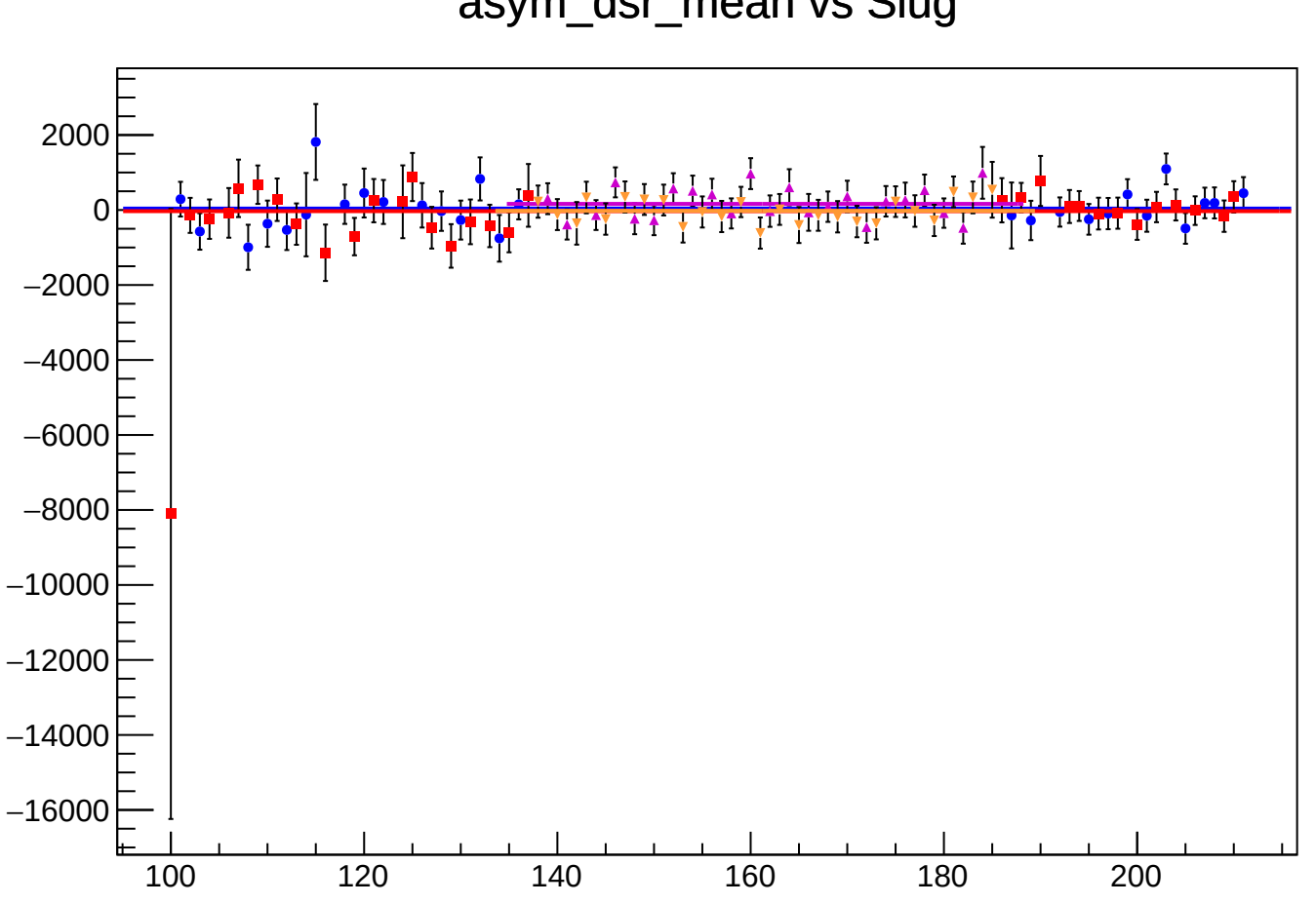
Right Out: 309.281+/-0.052 χ^2/NDF: 161166.3/31

Left In: 360.585+/-0.061 χ^2/NDF:1817691.0/22

+ sign 332.038+/-0.040 χ^2/NDF: 2299916.9/51

All: 331.326+/-0.028 χ^2/NDF: 4690228.2/106

- sign 330.643+/-0.039 χ^2/NDF: 2389699.8/54



Right In: 38.048+/-93.501 χ^2/NDF: 25.6/27

Left Out: -21.061+/-85.620 χ^2/NDF:12.6/24

Right Out: -30.646+/-90.374 χ^2/NDF: 20.7/31

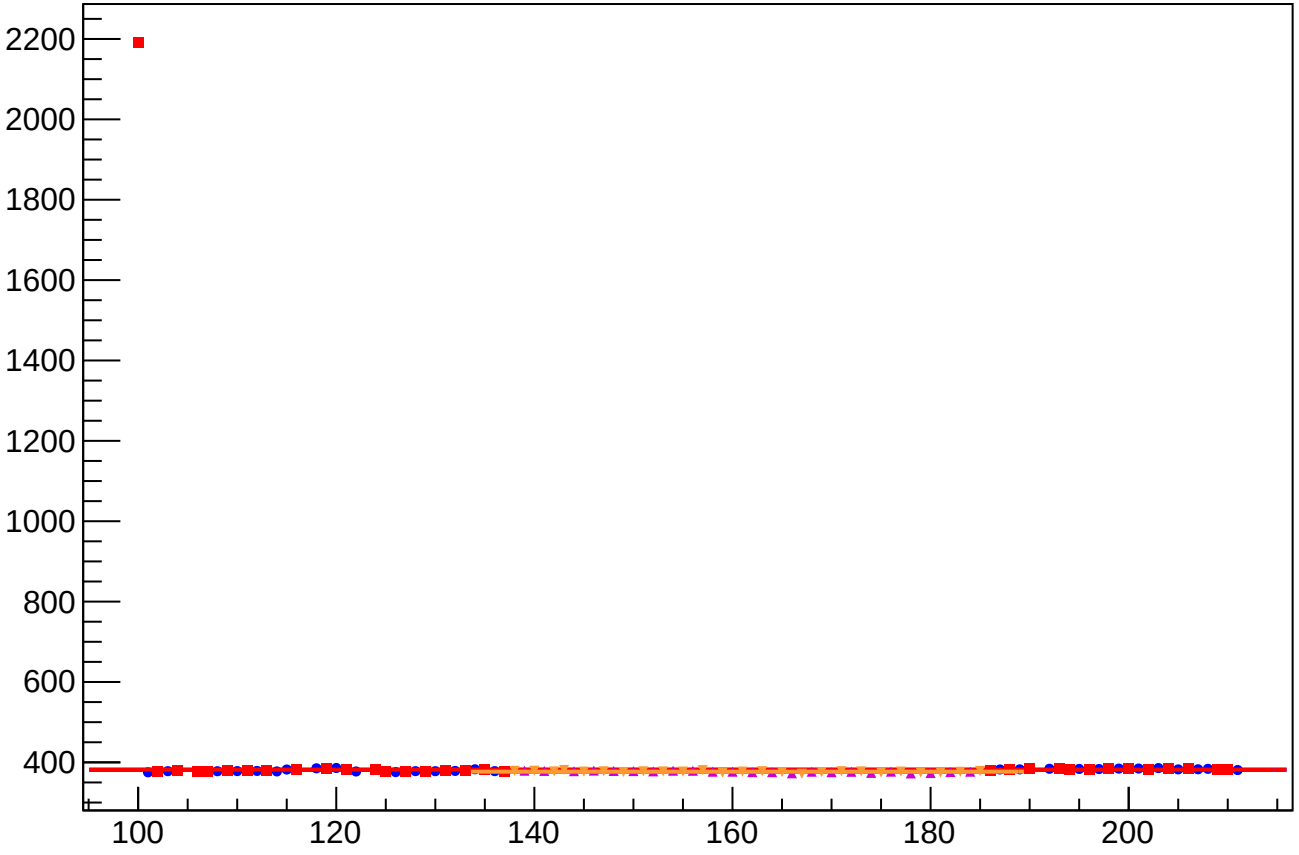
Left In: 162.992+/-87.991 χ^2/NDF:21.8/22

+ sign 5.898+/-63.145 χ^2/NDF: 38.4/52

All: 37.378+/-44.615 χ^2/NDF: 83.8/107

- sign 68.759+/-63.045 χ^2/NDF: 44.9/54

asym_dsr_rms vs Slug



Right In: 381.486+/-0.066 χ^2/NDF: 2244.6/27

Left Out: 376.906+/-0.061 χ^2/NDF:1058.3/24

Right Out: 381.993+/-0.064 χ^2/NDF: 100688.2/31

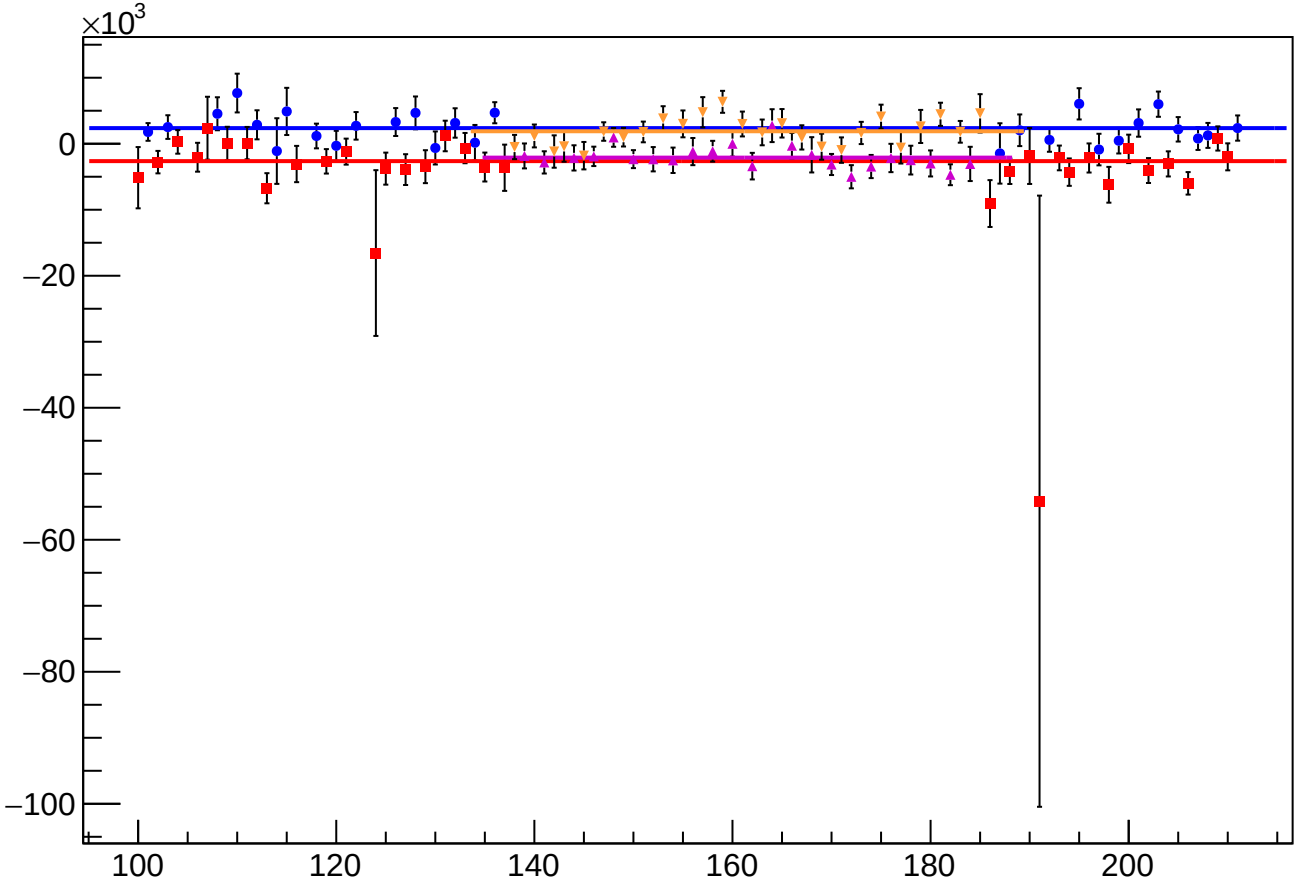
Left In: 376.846+/-0.062 χ^2/NDF:1074.1/22

+ sign 378.995+/-0.045 χ^2/NDF: 5913.4/52

All: 379.173+/-0.032 χ^2/NDF: 111038.3/107

- sign 379.351+/-0.045 χ^2/NDF: 105093.1/54

asym_us_agg_avg_mean vs Slug



Right In: 2366.088+/-398.683 χ^2/NDF: 24.4/27

Left Out: 1891.201+/-375.290 χ^2/NDF:28.4/24

Right Out: -2635.427+/-399.662 χ^2/NDF: 32.4/32

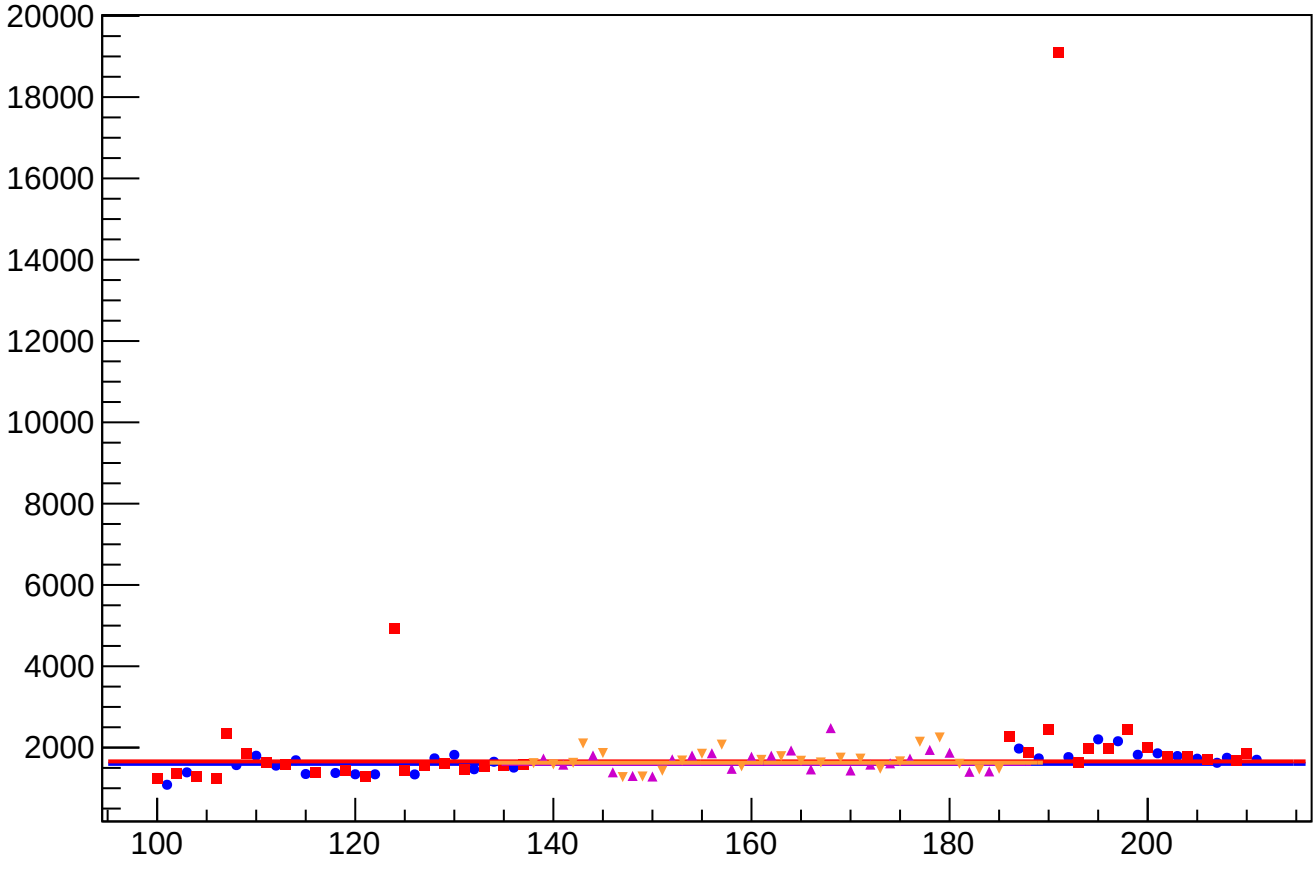
Left In: -2105.415+/-379.051 χ^2/NDF:18.6/22

+ sign 2114.304+/-273.266 χ^2/NDF: 53.5/52

All: -106.686+/-193.848 χ^2/NDF: 238.4/108

- sign -2356.402+/-275.028 χ^2/NDF: 51.9/55

asym_us_agg_avg_rms vs Slug



Right In: 1599.467+/-0.282 χ^2/NDF: 874369.5/27

Left Out: 1628.479+/-0.265 χ^2/NDF:779094.7/24

Right Out: 1660.272+/-0.283 χ^2/NDF: 1379899.7/32

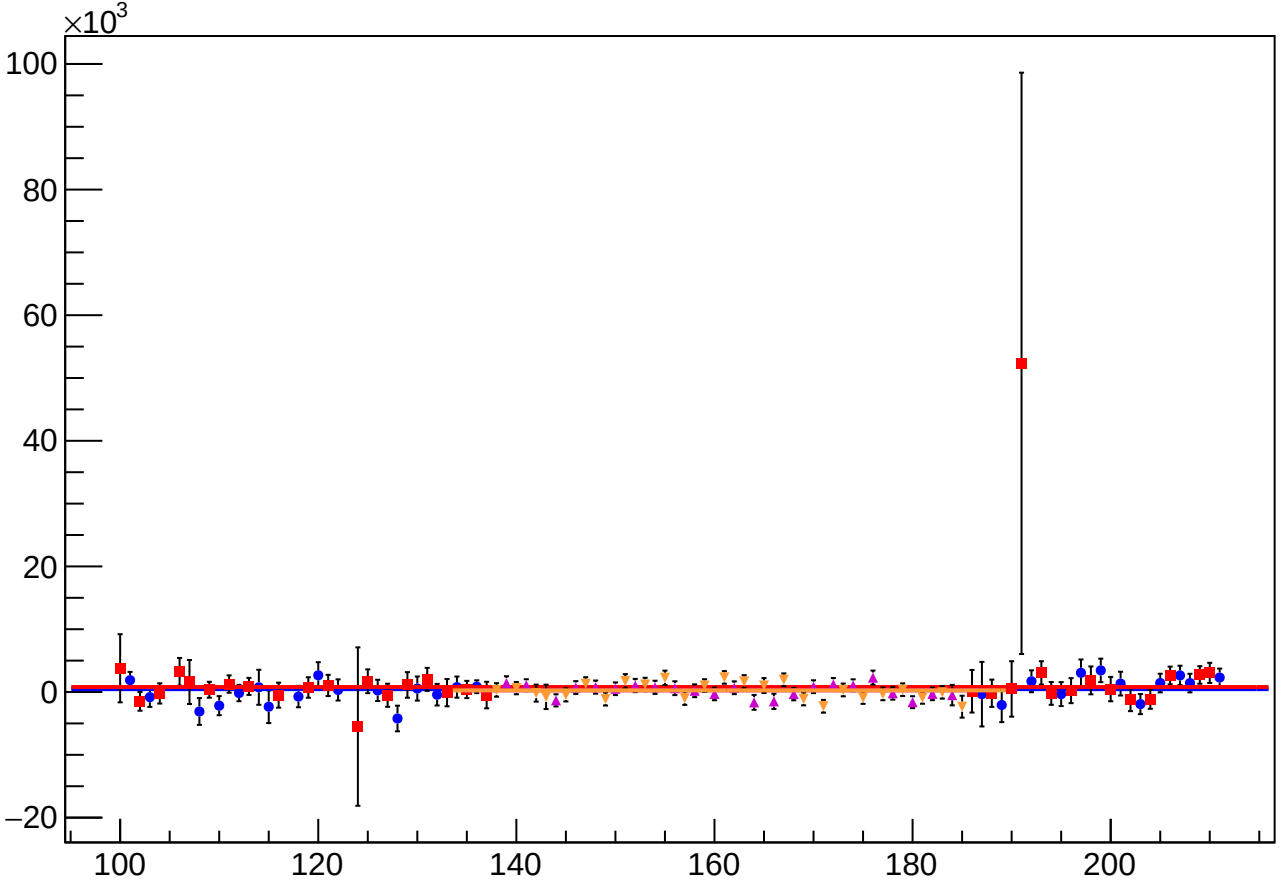
Left In: 1601.496+/-0.268 χ^2/NDF:793722.6/22

+ sign 1614.849+/-0.193 χ^2/NDF: 1659079.1/52

All: 1622.043+/-0.137 χ^2/NDF: 3858263.4/10

- sign 1629.330+/-0.194 χ^2/NDF: 2196394.3/55

asym_us_agg_dd_mean vs Slug



Right In: 460.495+/-320.620 χ^2/NDF: 28.9/27

Left Out: 262.383+/-214.962 χ^2/NDF:33.9/24

Right Out: 793.428+/-320.977 χ^2/NDF: 19.1/32

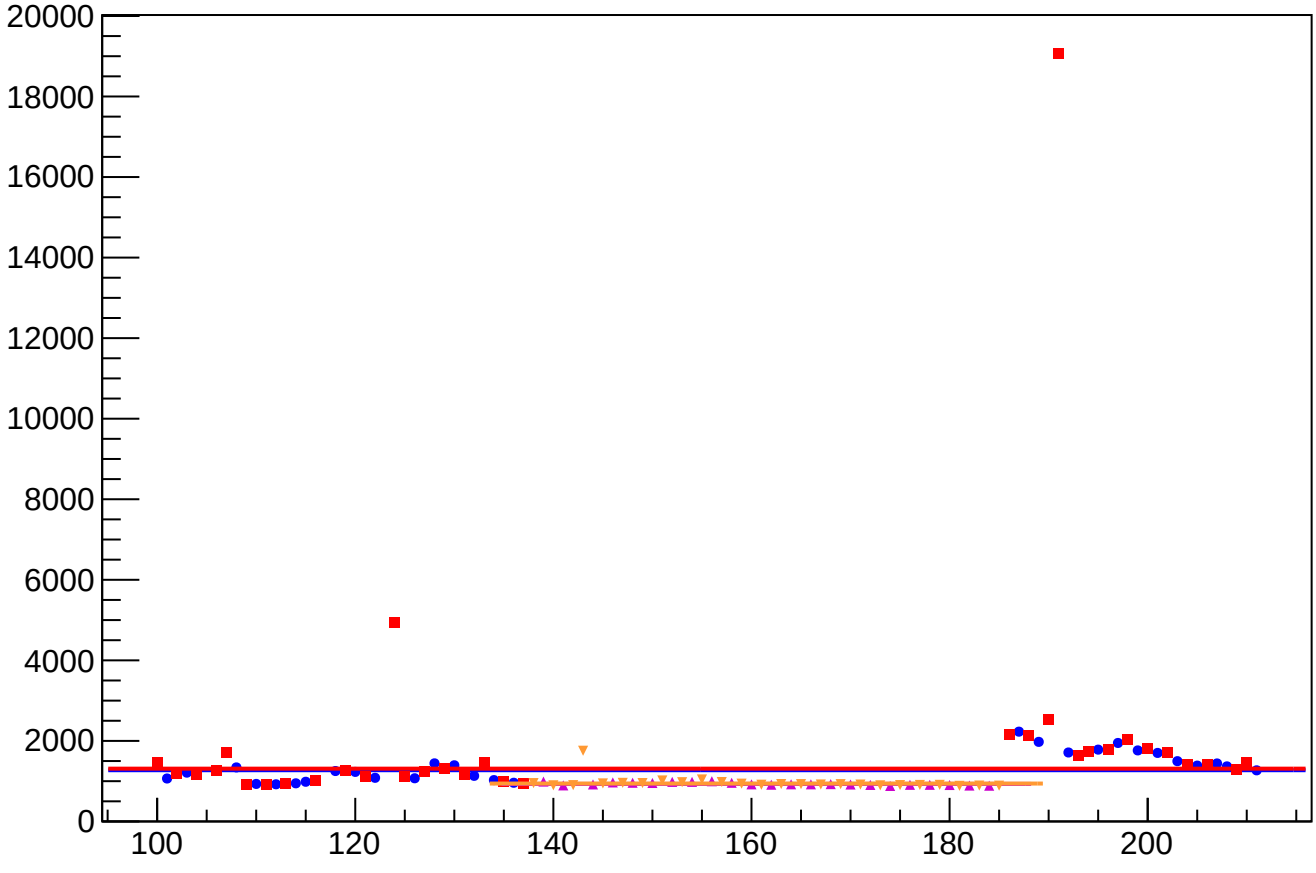
Left In: 267.059+/-217.685 χ^2/NDF:21.4/22

+ sign 323.820+/-178.546 χ^2/NDF: 63.1/52

All: 377.863+/-126.818 χ^2/NDF: 105.6/108

- sign 432.889+/-180.161 χ^2/NDF: 42.3/55

asym_us_agg_dd_rms vs Slug



Right In: 1272.280+/-0.227 χ^2/NDF: 1667991.9/27

Left Out: 941.013+/-0.152 χ^2/NDF:417710.2/24

Right Out: 1311.027+/-0.227 χ^2/NDF: 2652879.0/32

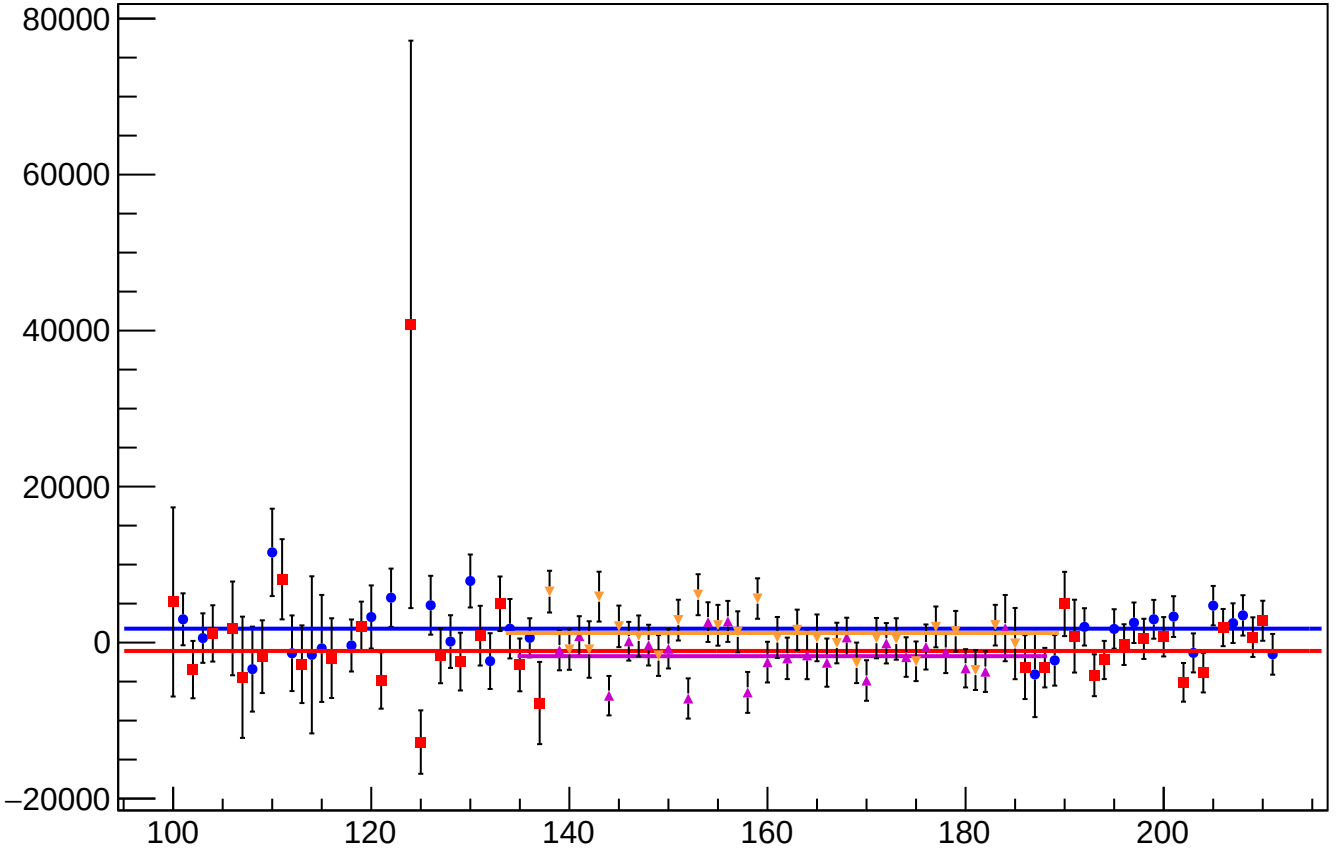
Left In: 931.562+/-0.154 χ^2/NDF:48916.1/22

+ sign 1043.744+/-0.126 χ^2/NDF: 3558630.4/52

All: 1047.394+/-0.090 χ^2/NDF: 8176756.7/10

- sign 1051.110+/-0.127 χ^2/NDF: 4616439.2/55

reg_asym_atl1_mean vs Slug



Right In: 1784.281+/-599.284 χ^2/NDF: 20.7/27

Left Out: 1234.728+/-541.289 χ^2/NDF:23.9/24

Right Out: -1071.173+/-585.890 χ^2/NDF: 35.9/32

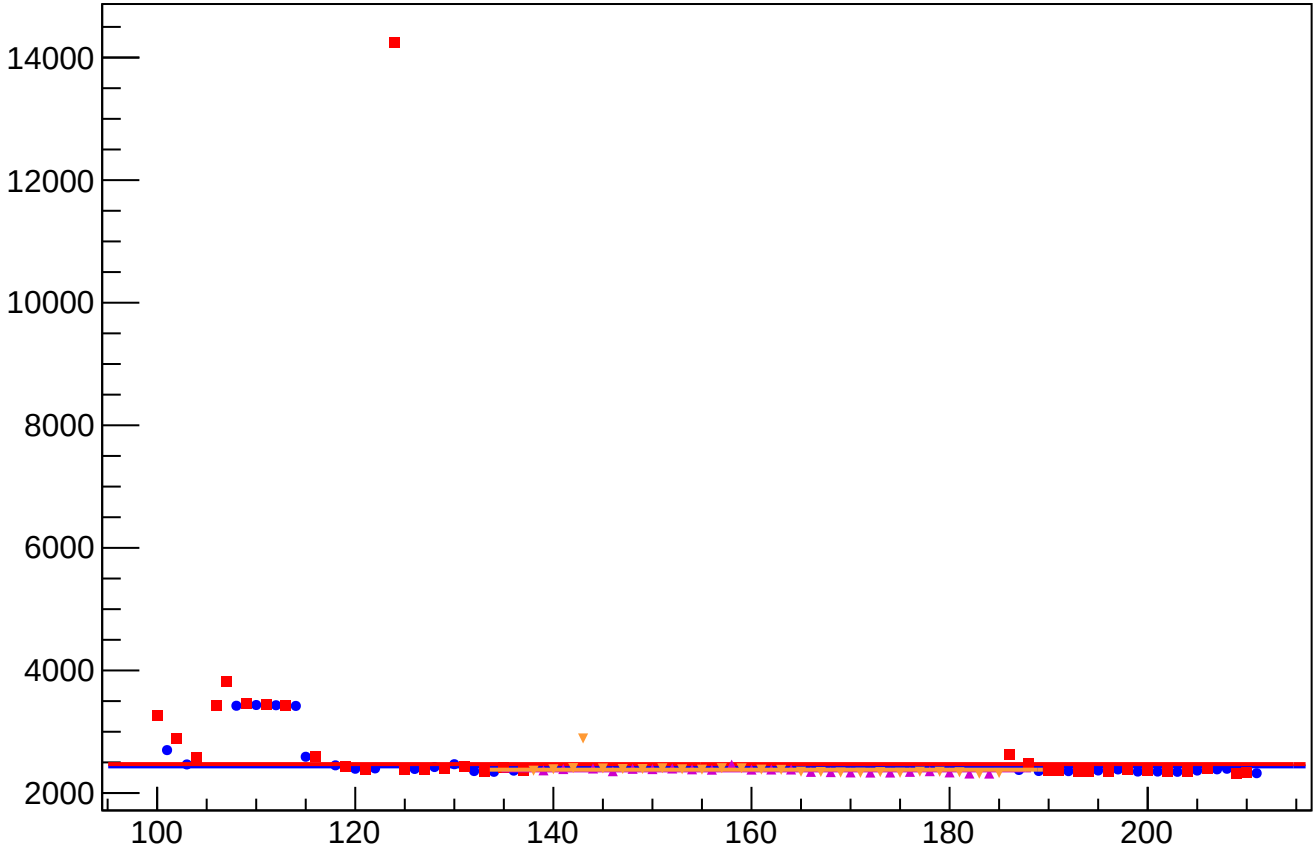
Left In: -1741.730+/-553.254 χ^2/NDF:24.4/22

+ sign 1481.634+/-401.692 χ^2/NDF: 45.0/52

All: 30.020+/-284.237 χ^2/NDF: 132.1/108

- sign -1425.647+/-402.253 χ^2/NDF: 61.0/55

reg_asym_atl1_rms vs Slug



Right In: 2434.871+/-0.424 χ^2/NDF: 270715.5/27

Left Out: 2381.235+/-0.383 χ^2/NDF:57623.2/24

Right Out: 2472.236+/-0.414 χ^2/NDF: 646651.3/32

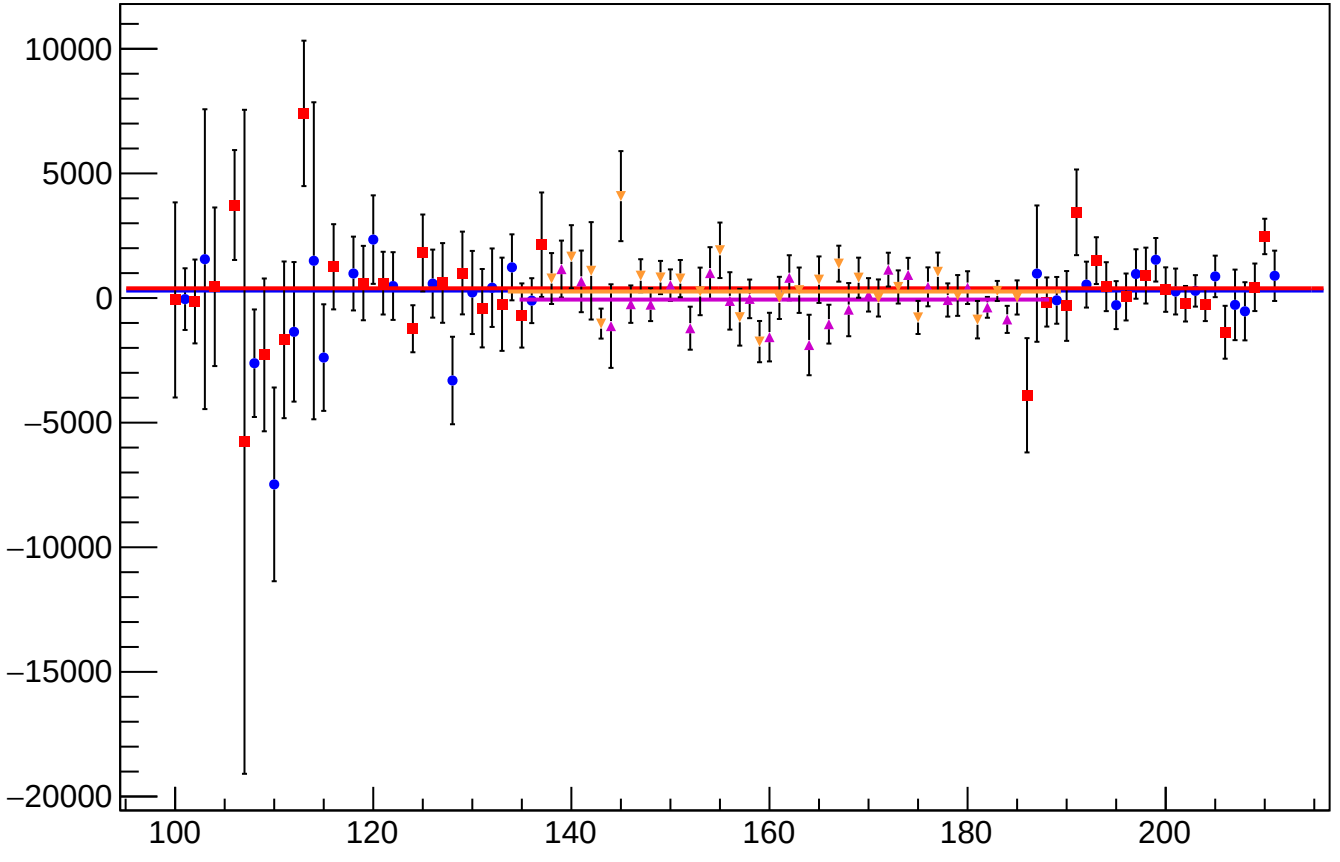
Left In: 2369.384+/-0.391 χ^2/NDF:7034.0/22

+ sign 2405.333+/-0.284 χ^2/NDF: 337161.4/52

All: 2411.591+/-0.201 χ^2/NDF: 1024400.1/10

- sign 2417.866+/-0.284 χ^2/NDF: 686266.6/55

asym_atl1_reg_correction_mean vs Slug



Right In: 300.078+/-227.788 χ^2/NDF: 19.0/27

Left Out: 261.877+/-154.009 χ^2/NDF:31.1/24

Right Out: 390.057+/-213.162 χ^2/NDF: 37.8/32

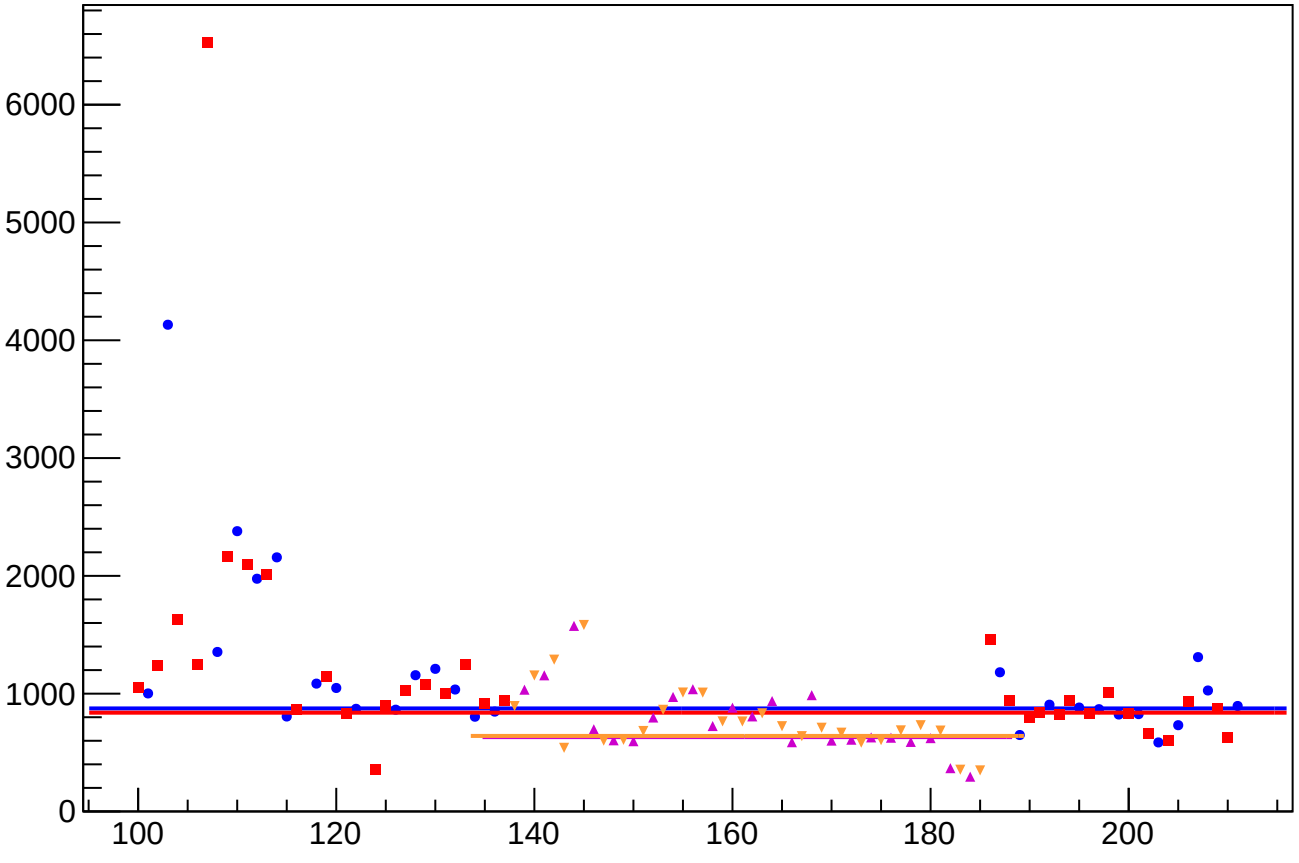
Left In: -61.960+/-157.394 χ^2/NDF:22.0/22

+ sign 273.861+/-127.585 χ^2/NDF: 50.2/52

All: 185.023+/-89.872 χ^2/NDF: 113.8/108

- sign 97.527+/-126.618 χ^2/NDF: 62.7/55

asym_atl1_reg_correction_rms vs Slug



Right In: 874.620+/-0.161 χ^2/NDF: 2476627.3/27

Left Out: 641.156+/-0.109 χ^2/NDF:3474860.7/24

Right Out: 838.519+/-0.151 χ^2/NDF: 3323412.3/32

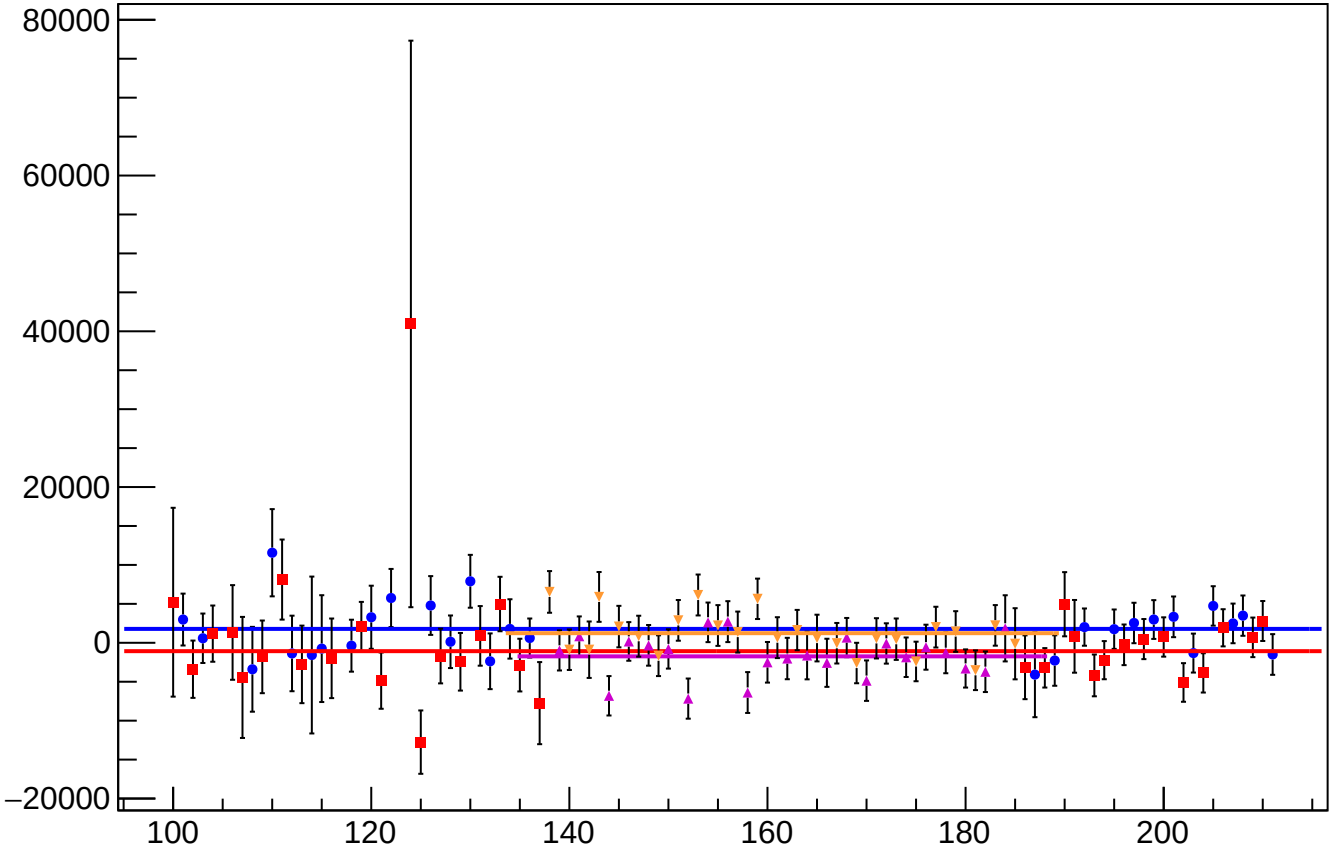
Left In: 631.199+/-0.111 χ^2/NDF:3975438.6/22

+ sign 714.397+/-0.090 χ^2/NDF: 7393307.2/52

All: 709.335+/-0.064 χ^2/NDF: 15922769.2/10

- sign 704.348+/-0.090 χ^2/NDF: 8523210.9/55

cor_asym_atl1_mean vs Slug



Right In: 1784.560+/-599.284 χ^2/NDF: 20.7/27

Left Out: 1234.706+/-541.289 χ^2/NDF:23.9/24

Right Out: -1074.545+/-585.953 χ^2/NDF: 35.8/32

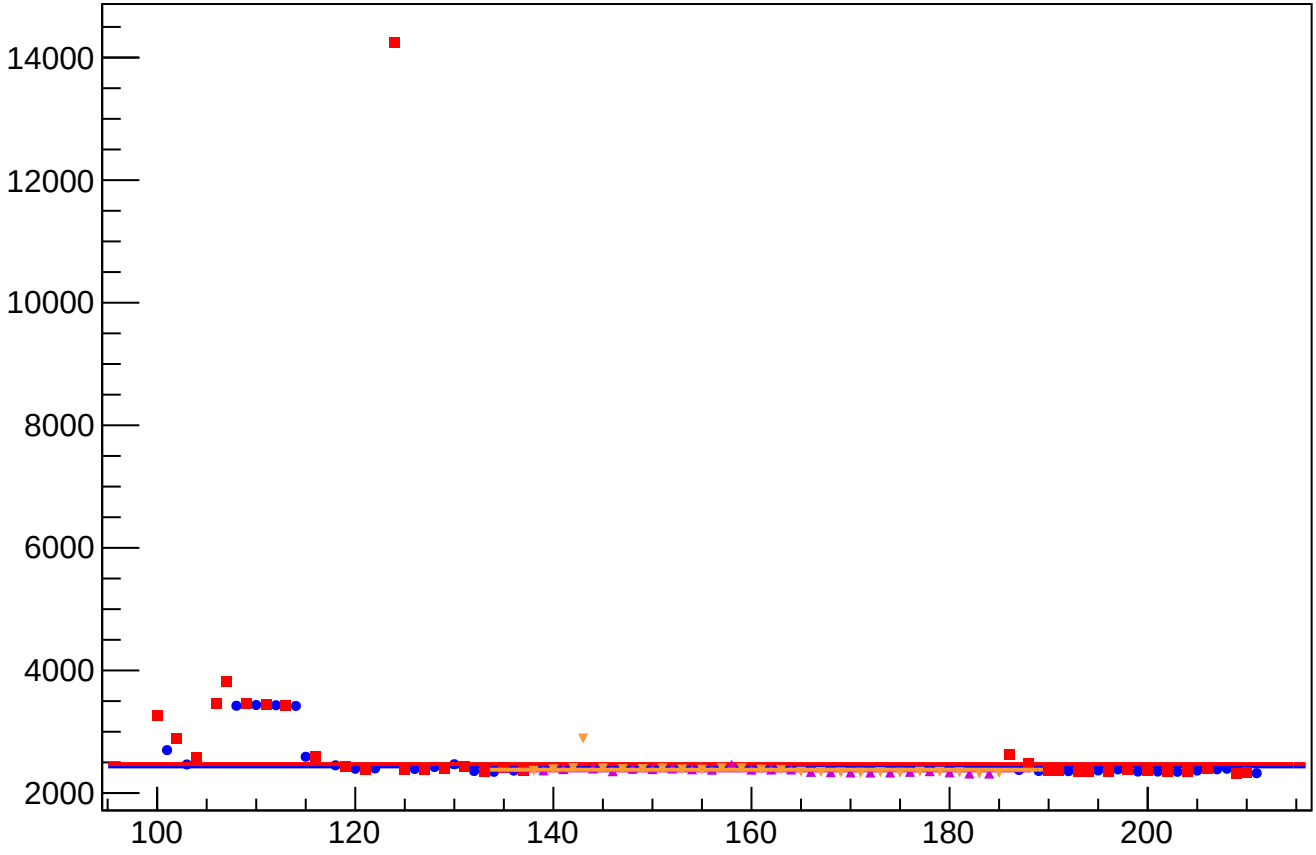
Left In: -1741.784+/-553.254 χ^2/NDF:24.4/22

+ sign 1481.746+/-401.692 χ^2/NDF: 45.0/52

All: 29.325+/-284.244 χ^2/NDF: 132.1/108

- sign -1427.301+/-402.273 χ^2/NDF: 60.9/55

cor_asym_atl1_rms vs Slug



Right In: 2434.871+/-0.424 χ^2/NDF: 270715.5/27

Left Out: 2381.235+/-0.383 χ^2/NDF:57623.2/24

Right Out: 2472.395+/-0.414 χ^2/NDF: 649592.9/32

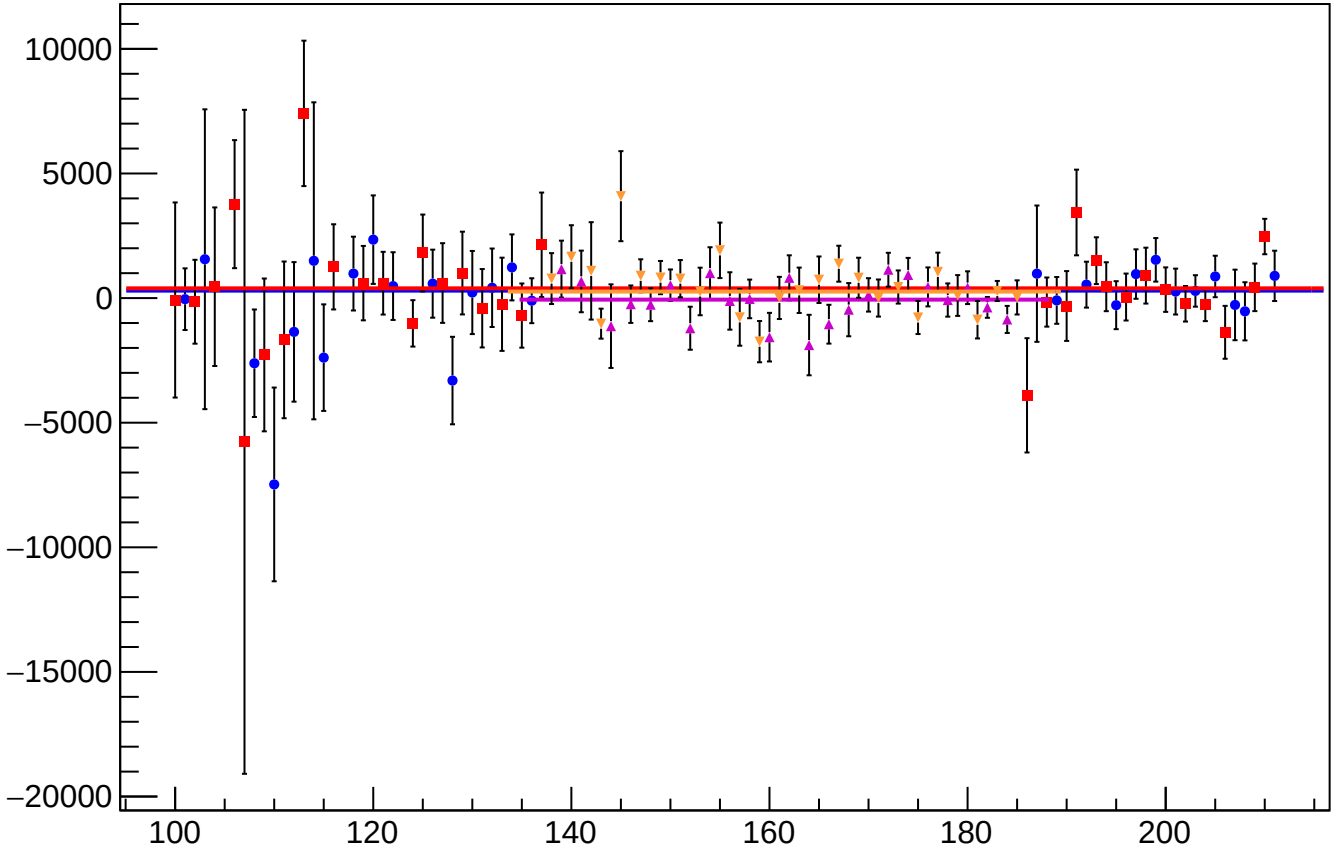
Left In: 2369.384+/-0.391 χ^2/NDF:7034.0/22

+ sign 2405.333+/-0.284 χ^2/NDF: 337161.4/52

All: 2411.625+/-0.201 χ^2/NDF: 1027449.8/10

- sign 2417.935+/-0.284 χ^2/NDF: 689305.5/55

asym_atl1_cor_correction_mean vs Slug



Right In: 300.002+/-227.788 χ^2/NDF: 19.0/27

Left Out: 262.160+/-154.012 χ^2/NDF:31.1/24

Right Out: 390.989+/-213.279 χ^2/NDF: 36.5/32

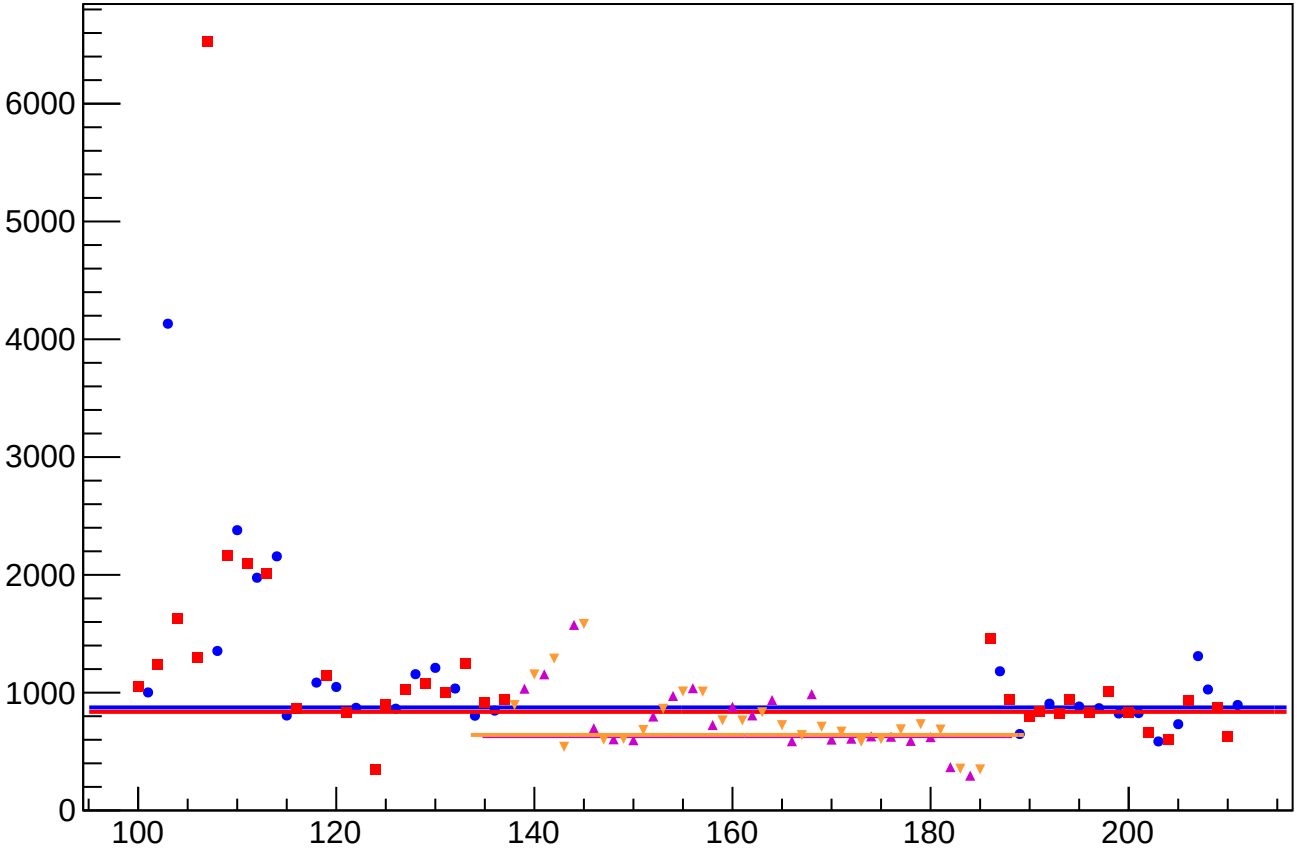
Left In: -61.976+/-157.393 χ^2/NDF:22.0/22

+ sign 274.032+/-127.586 χ^2/NDF: 50.2/52

All: 185.227+/-89.881 χ^2/NDF: 112.5/108

- sign 97.731+/-126.642 χ^2/NDF: 61.4/55

asym_atl1_cor_correction_rms vs Slug



Right In: 874.619+/-0.161 χ^2/NDF: 2476636.4/27

Left Out: 641.169+/-0.109 χ^2/NDF:3474589.1/24

Right Out: 836.942+/-0.151 χ^2/NDF: 3342126.1/32

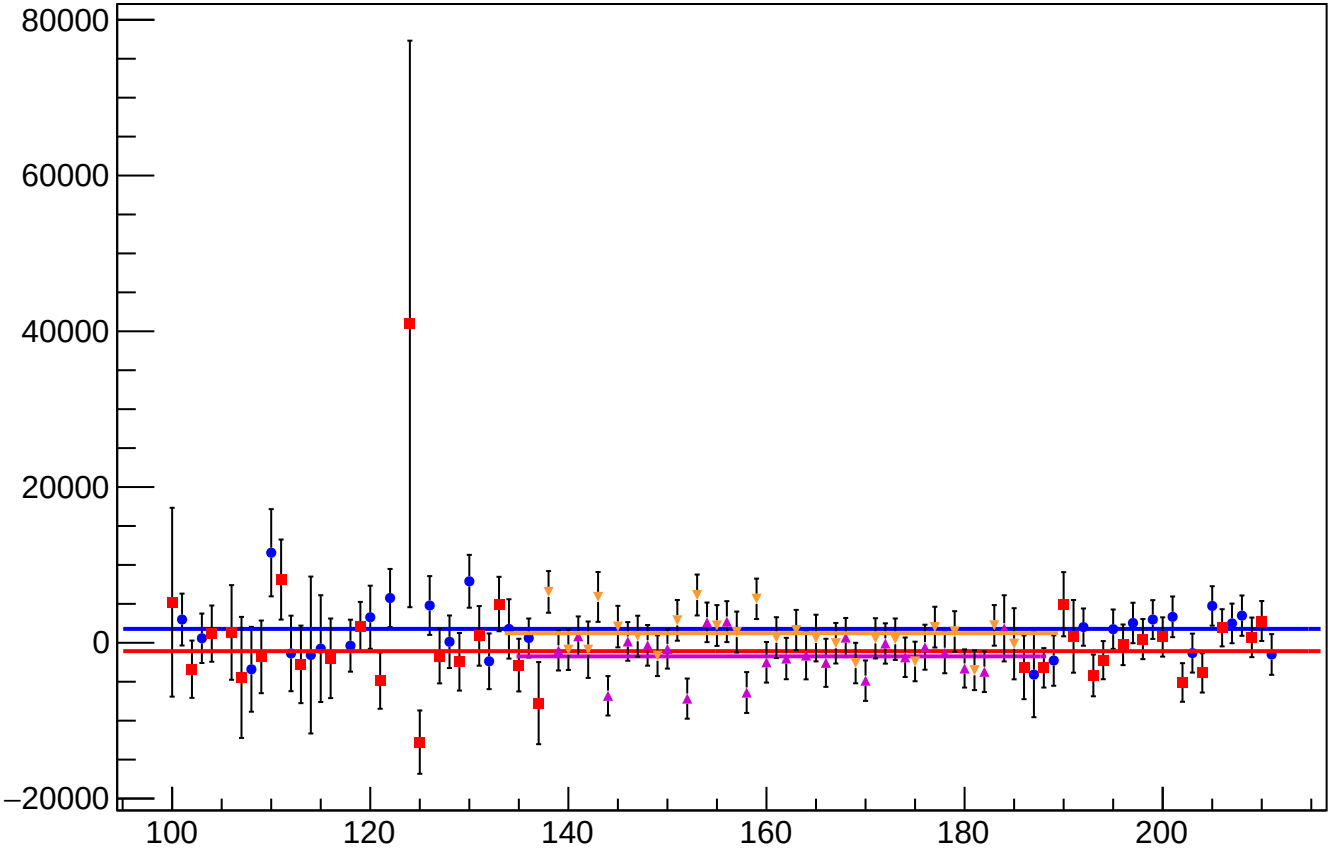
Left In: 631.196+/-0.111 χ^2/NDF:3975563.1/22

+ sign 714.408+/-0.090 χ^2/NDF: 7392856.2/52

All: 709.033+/-0.064 χ^2/NDF: 15922570.4/10

- sign 703.738+/-0.090 χ^2/NDF: 8522669.3/55

eigen_cor_asym_atl1_mean vs Slug



Right In: 1784.560+/-599.284 χ^2/NDF: 20.7/27

Left Out: 1234.706+/-541.289 χ^2/NDF:23.9/24

Right Out: -1074.545+/-585.953 χ^2/NDF: 35.8/32

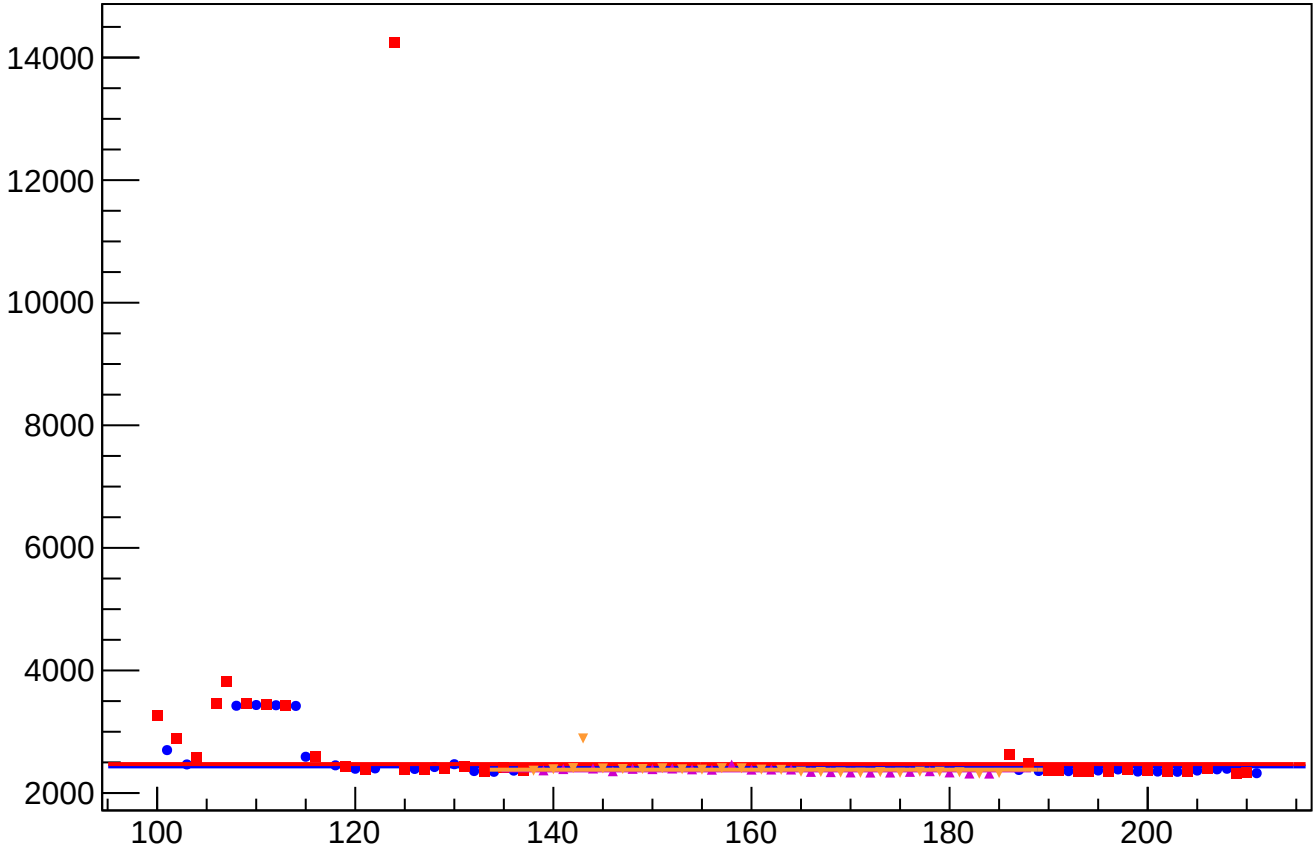
Left In: -1741.784+/-553.254 χ^2/NDF:24.4/22

+ sign 1481.746+/-401.692 χ^2/NDF: 45.0/52

All: 29.325+/-284.244 χ^2/NDF: 132.1/108

- sign -1427.301+/-402.273 χ^2/NDF: 60.9/55

eigen_cor_asym_atl1_rms vs Slug



Right In: 2434.871+/-0.424 χ^2/NDF: 270715.5/27

Left Out: 2381.235+/-0.383 χ^2/NDF:57623.2/24

Right Out: 2472.395+/-0.414 χ^2/NDF: 649592.9/32

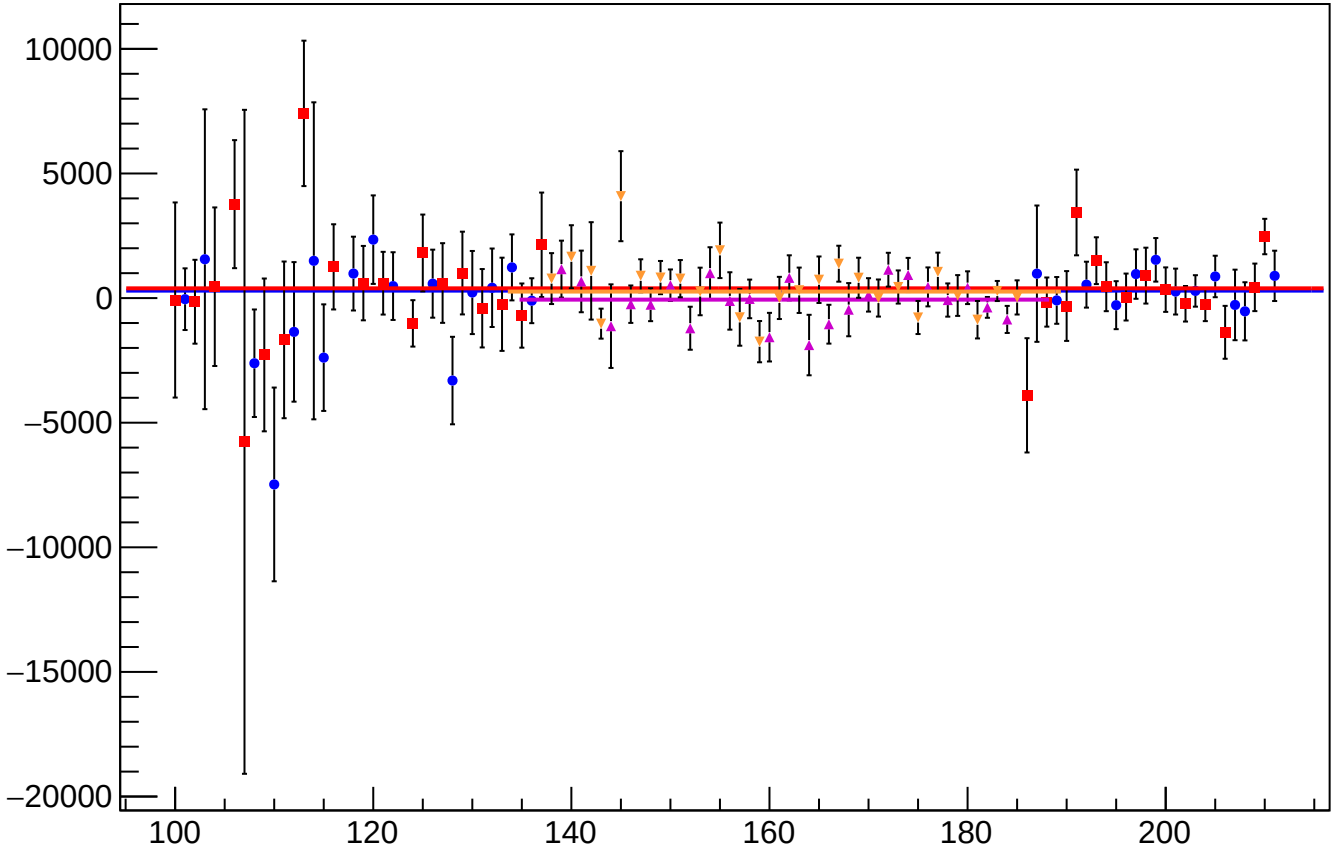
Left In: 2369.384+/-0.391 χ^2/NDF:7034.0/22

+ sign 2405.333+/-0.284 χ^2/NDF: 337161.4/52

All: 2411.625+/-0.201 χ^2/NDF: 1027449.8/10

- sign 2417.935+/-0.284 χ^2/NDF: 689305.5/55

asym_atl1_eigen_cor_correction_mean vs Slug



Right In: 300.002+/-227.788 χ^2/NDF: 19.0/27

Left Out: 262.160+/-154.012 χ^2/NDF:31.1/24

Right Out: 390.989+/-213.279 χ^2/NDF: 36.5/32

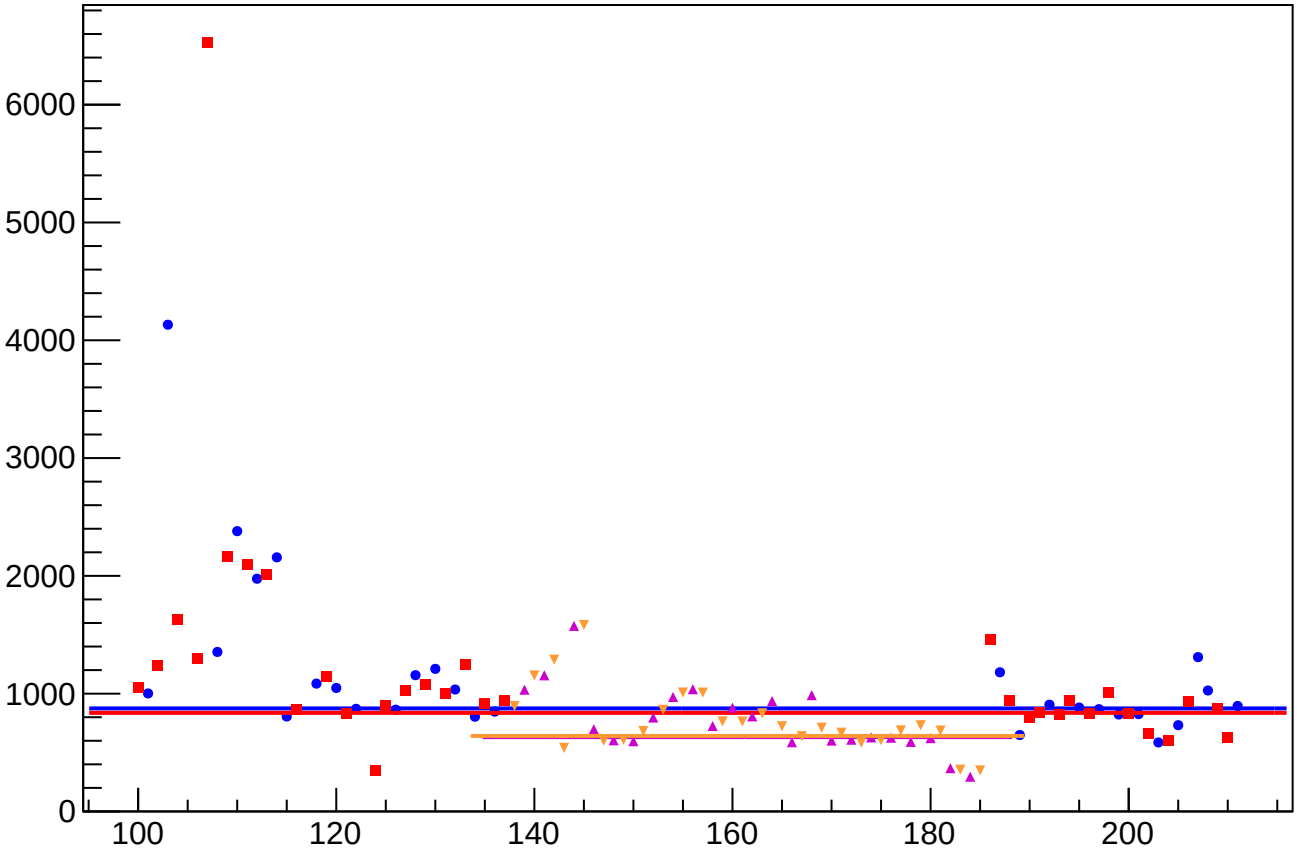
Left In: -61.976+/-157.393 χ^2/NDF:22.0/22

+ sign 274.032+/-127.586 χ^2/NDF: 50.2/52

All: 185.227+/-89.881 χ^2/NDF: 112.5/108

- sign 97.731+/-126.642 χ^2/NDF: 61.4/55

asym_atl1_eigen_cor_correction_rms vs Slug



Right In: 874.619+/-0.161 χ^2/NDF: 2476636.4/27

Left Out: 641.169+/-0.109 χ^2/NDF:3474589.1/24

Right Out: 836.942+/-0.151 χ^2/NDF: 3342126.1/32

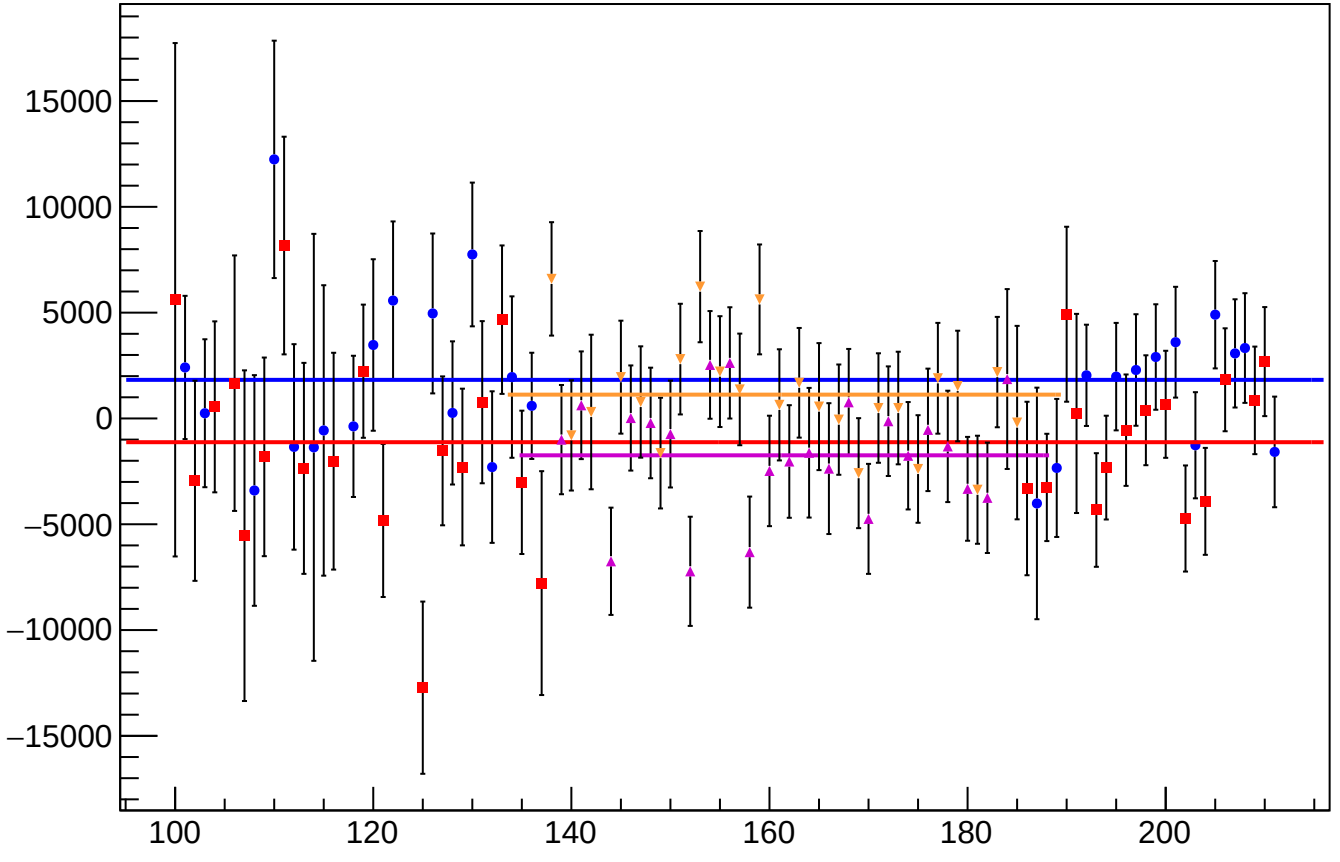
Left In: 631.196+/-0.111 χ^2/NDF:3975563.1/22

+ sign 714.408+/-0.090 χ^2/NDF: 7392856.2/52

All: 709.033+/-0.064 χ^2/NDF: 15922570.4/10

- sign 703.738+/-0.090 χ^2/NDF: 8522669.3/55

dit_asym_atl1_mean vs Slug



Right In: 1823.710+/-602.991 χ^2/NDF: 21.1/27

Left Out: 1125.562+/-549.834 χ^2/NDF:21.2/23

Right Out: -1122.280+/-592.878 χ^2/NDF: 33.2/31

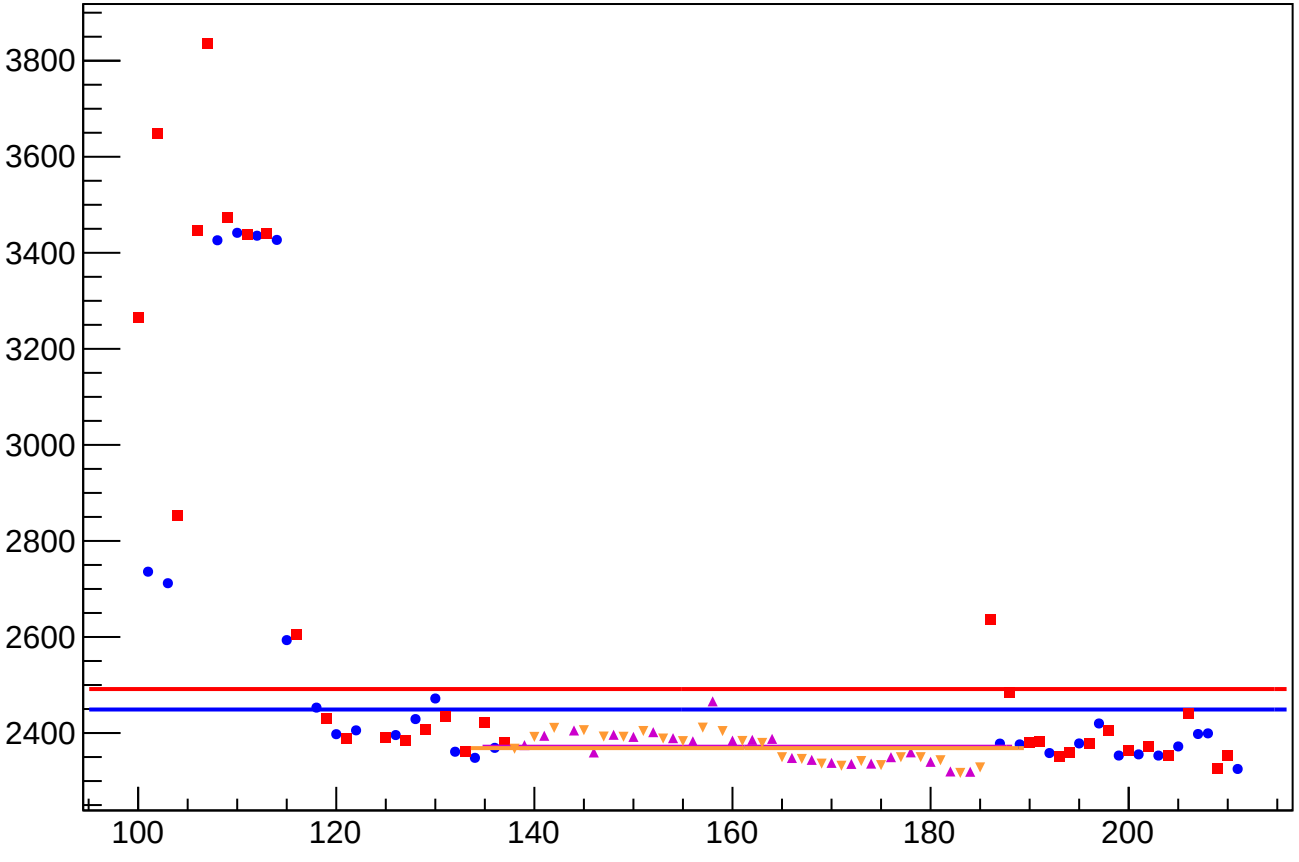
Left In: -1742.304+/-553.755 χ^2/NDF:23.8/22

+ sign 1442.512+/-406.287 χ^2/NDF: 43.0/51

All: -11.164+/-286.721 χ^2/NDF: 126.0/106

- sign -1453.423+/-404.688 χ^2/NDF: 57.5/54

dit_asym_atl1_rms vs Slug



Right In: 2448.970+/-0.426 χ^2/NDF: 282947.6/27

Left Out: 2368.569+/-0.389 χ^2/NDF:5571.3/23

Right Out: 2491.573+/-0.419 χ^2/NDF: 546381.0/31

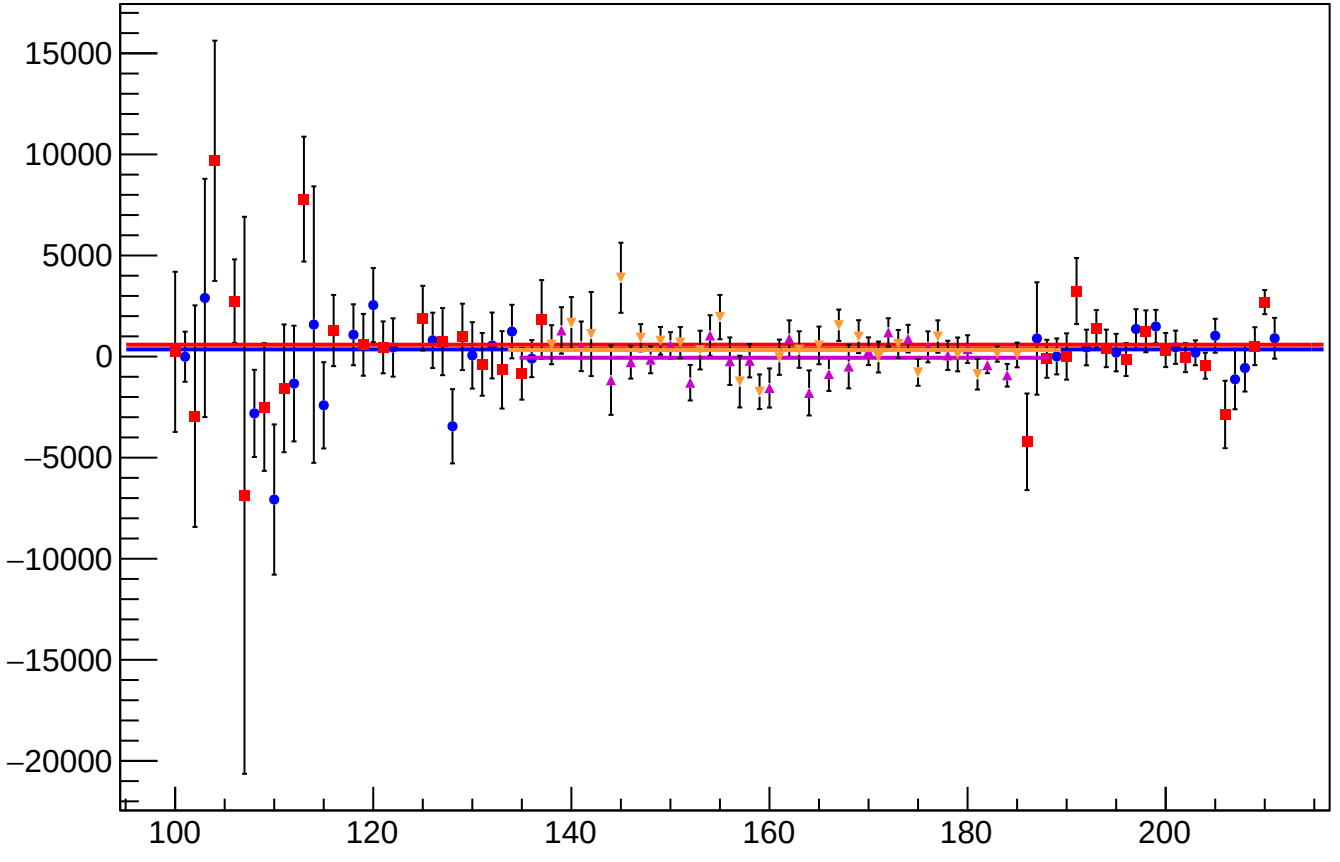
Left In: 2371.518+/-0.392 χ^2/NDF:7053.5/22

+ sign 2405.070+/-0.287 χ^2/NDF: 307933.9/51

All: 2416.306+/-0.203 χ^2/NDF: 908214.5/106

- sign 2427.454+/-0.286 χ^2/NDF: 597233.4/54

asym_atl1_dit_correction_mean vs Slug



Right In: 356.517+/-223.835 χ^2/NDF: 21.1/27

Left Out: 325.955+/-160.041 χ^2/NDF:26.8/23

Right Out: 587.793+/-213.139 χ^2/NDF: 44.2/31

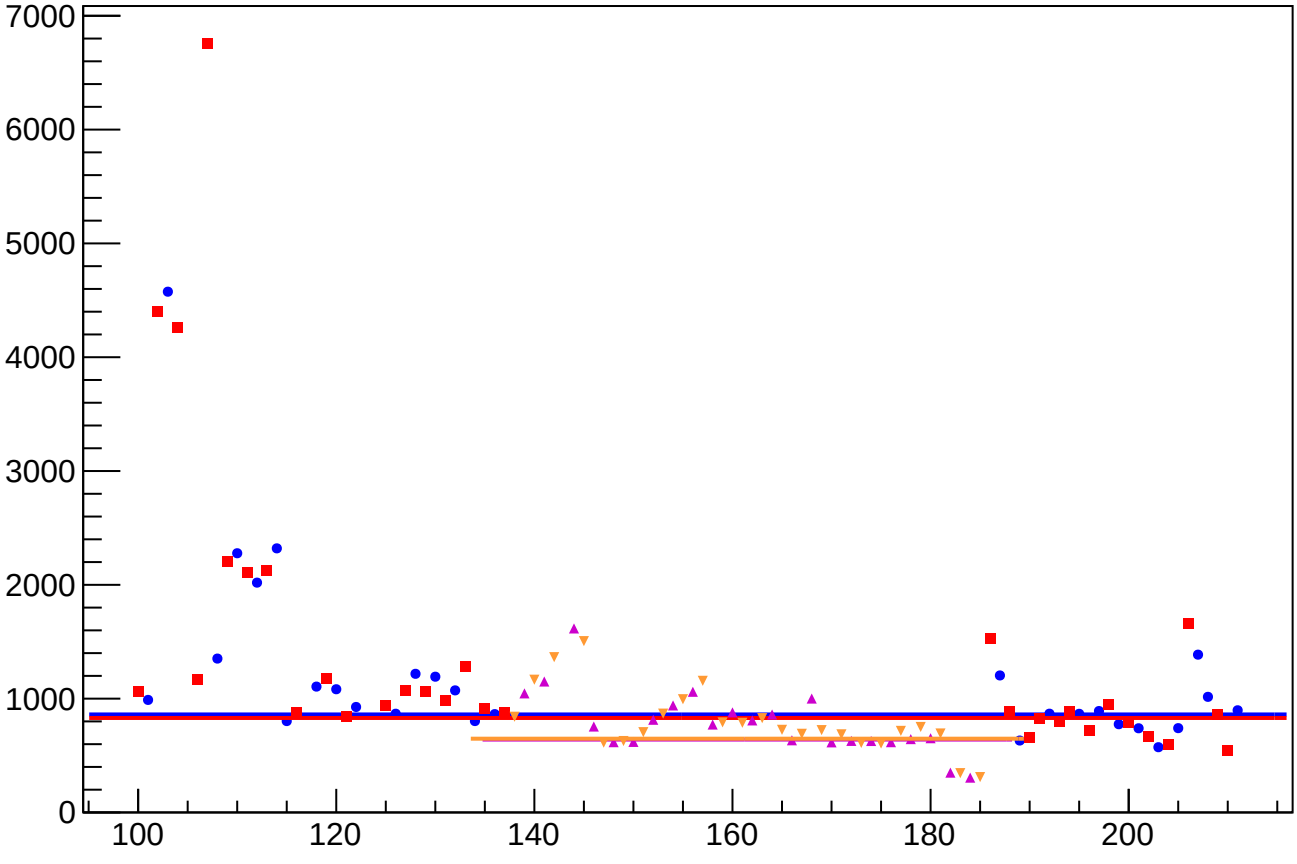
Left In: -59.619+/-159.669 χ^2/NDF:22.7/22

+ sign 336.293+/-130.187 χ^2/NDF: 47.9/51

All: 253.182+/-91.196 χ^2/NDF: 121.5/106

- sign 173.105+/-127.789 χ^2/NDF: 72.8/54

asym_atl1_dit_correction_rms vs Slug



Right In: 861.125+/-0.158 χ^2/NDF: 2909716.9/27

Left Out: 648.100+/-0.113 χ^2/NDF:3886991.8/23

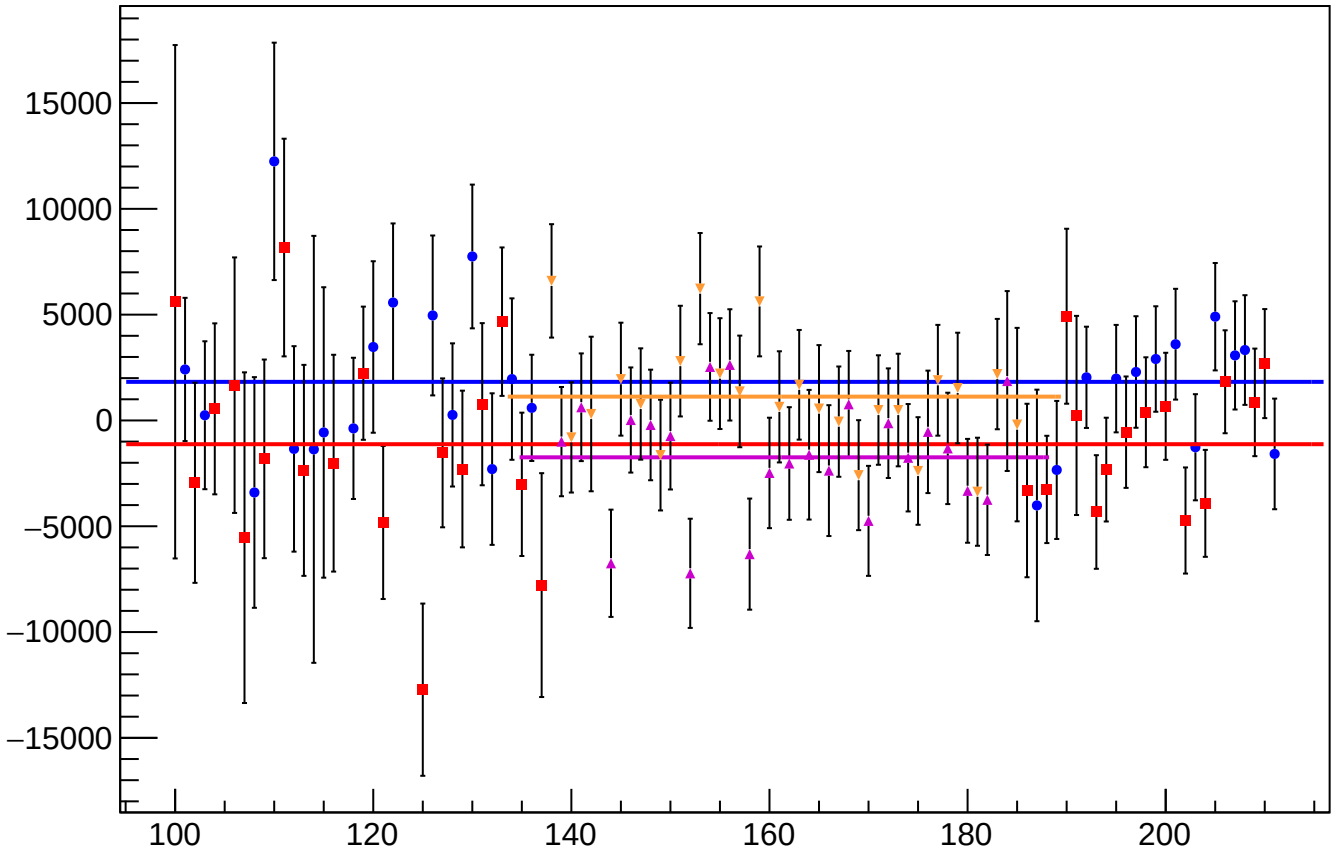
Right Out: 830.224+/-0.151 χ^2/NDF: 4984040.0/31

Left In: 640.422+/-0.113 χ^2/NDF:4128760.4/22

+ sign 720.163+/-0.092 χ^2/NDF: 7995390.2/51

All: 714.299+/-0.064 χ^2/NDF: 18132053.1/10

- sign 708.650+/-0.090 χ^2/NDF: 10128696.8/54



Right In: 1823.707+/-602.991 χ^2/NDF: 21.1/27

Left Out: 1125.562+/-549.834 χ^2/NDF:21.2/23

Right Out: -1122.280+/-592.878 χ^2/NDF: 33.2/31

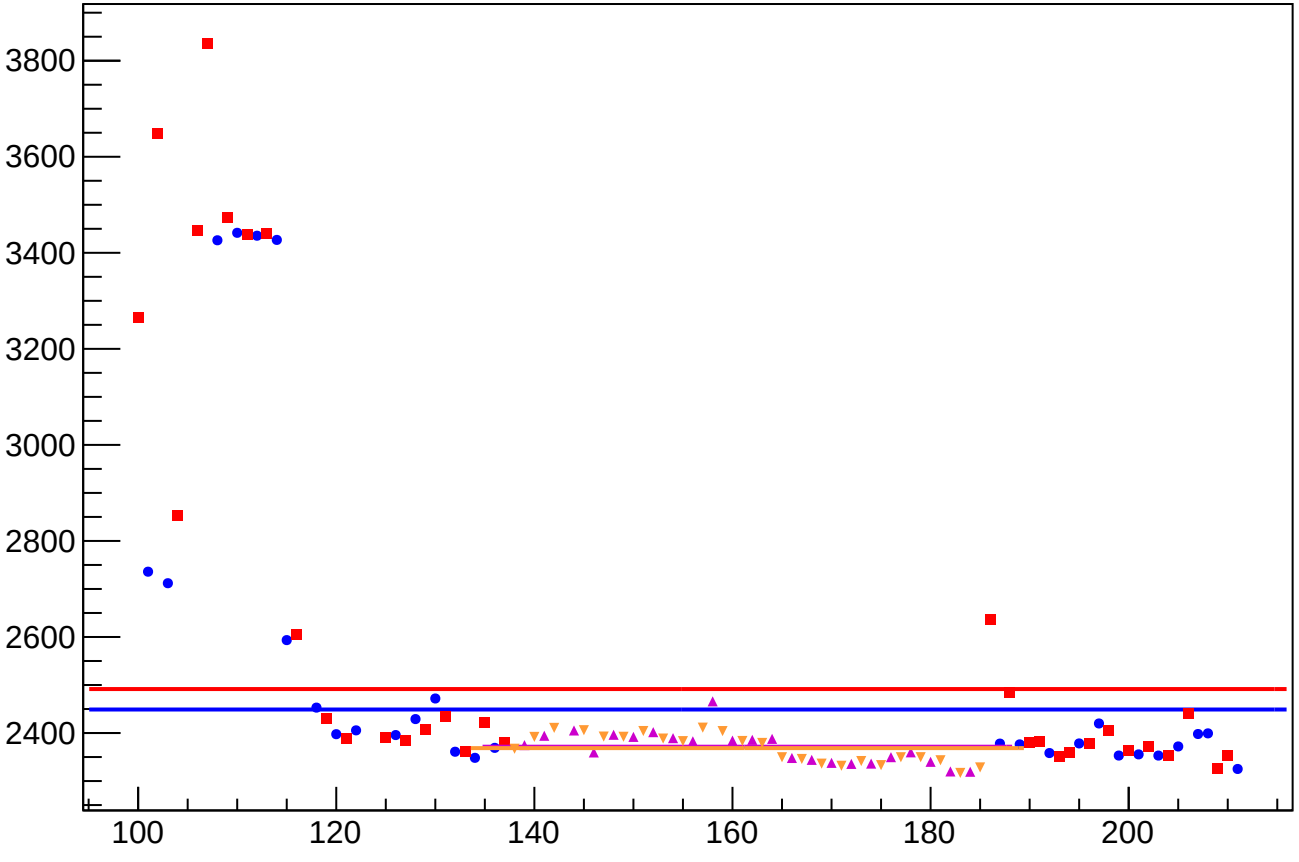
Left In: -1742.305+/-553.755 χ^2/NDF:23.8/22

+ sign 1442.511+/-406.287 χ^2/NDF: 43.0/51

All: -11.164+/-286.721 χ^2/NDF: 126.0/106

- sign -1453.423+/-404.688 χ^2/NDF: 57.5/54

eigen_dit_asym_atl1_rms vs Slug



Right In: 2448.970+/-0.426 χ^2/NDF: 282947.1/27

Left Out: 2368.569+/-0.389 χ^2/NDF:5571.3/23

Right Out: 2491.573+/-0.419 χ^2/NDF: 546380.0/31

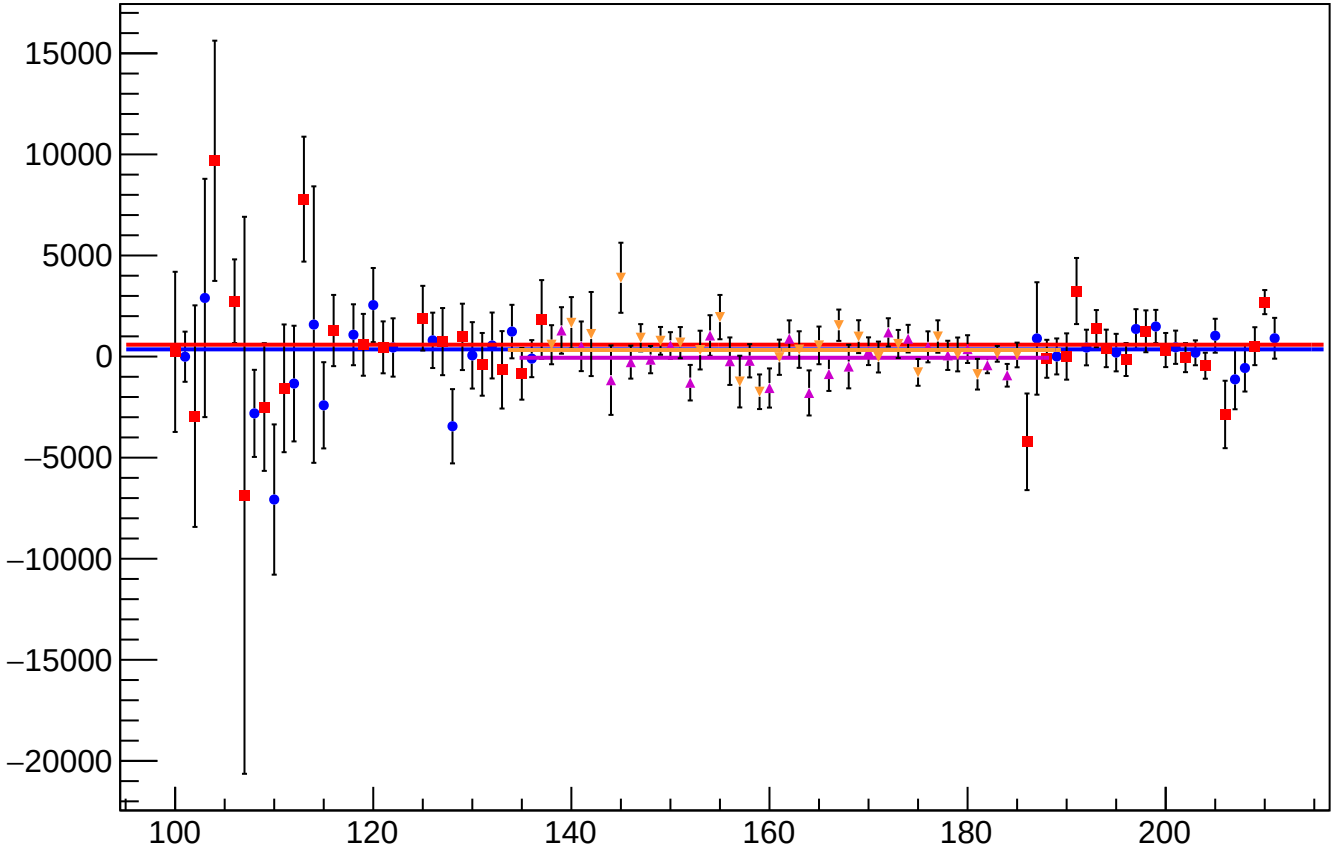
Left In: 2371.518+/-0.392 χ^2/NDF:7053.5/22

+ sign 2405.070+/-0.287 χ^2/NDF: 307933.4/51

All: 2416.306+/-0.203 χ^2/NDF: 908213.0/106

- sign 2427.454+/-0.286 χ^2/NDF: 597232.4/54

asym_atl1_eigen_dit_correction_mean vs Slug



Right In: 356.516+/-223.835 χ^2/NDF: 21.1/27

Left Out: 325.955+/-160.042 χ^2/NDF:26.8/23

Right Out: 587.794+/-213.139 χ^2/NDF: 44.2/31

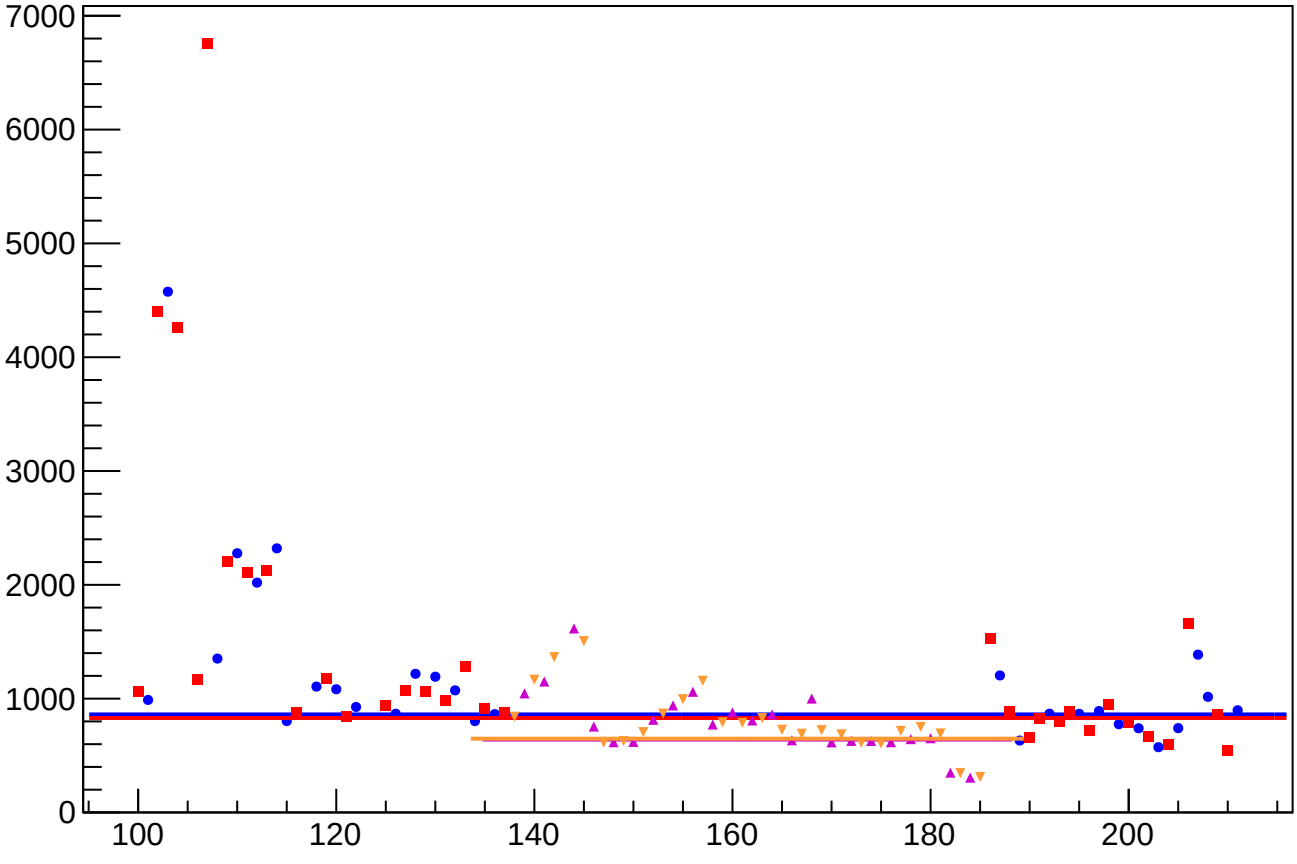
Left In: -59.619+/-159.670 χ^2/NDF:22.7/22

\+ sign 336.293+/-130.187 χ^2/NDF: 47.9/51

All: 253.182+/-91.196 χ^2/NDF: 121.5/106

\- sign 173.105+/-127.789 χ^2/NDF: 72.8/54

asym_atl1_eigen_dit_correction_rms vs Slug



Right In: 861.124+/-0.158 χ^2/NDF: 2909719.1/27

Left Out: 648.101+/-0.113 χ^2/NDF:3887001.9/23

Right Out: 830.224+/-0.151 χ^2/NDF: 4984047.5/31

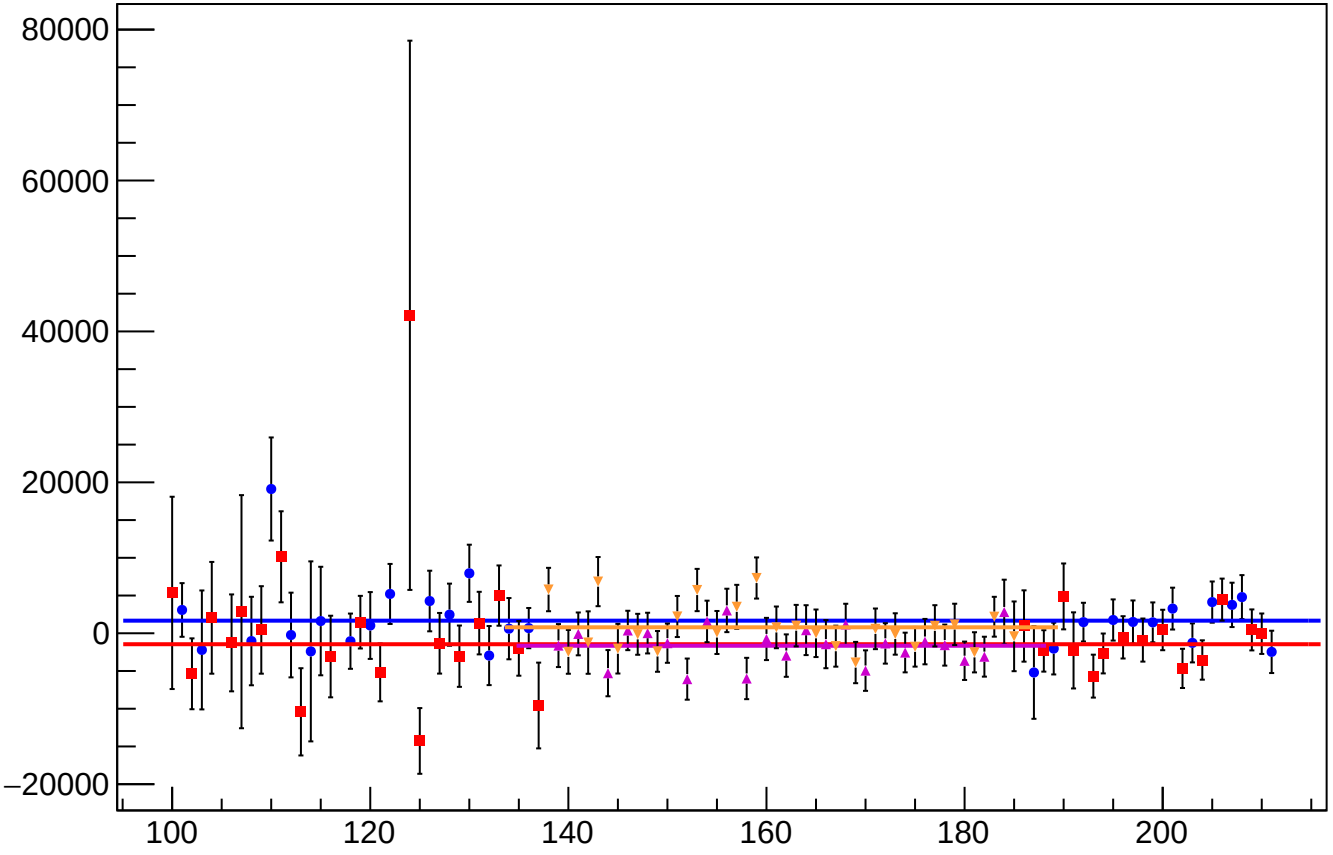
Left In: 640.423+/-0.113 χ^2/NDF:4128774.2/22

+ sign 720.163+/-0.092 χ^2/NDF: 7995388.0/51

All: 714.300+/-0.064 χ^2/NDF: 18132059.6/10

- sign 708.650+/-0.090 χ^2/NDF: 10128705.3/54

asym_atl1_mean vs Slug



Right In: 1669.453+/-660.934 χ^2/NDF: 22.3/27

Left Out: 791.438+/-573.266 χ^2/NDF:27.1/24

Right Out: -1451.851+/-645.757 χ^2/NDF: 37.6/32

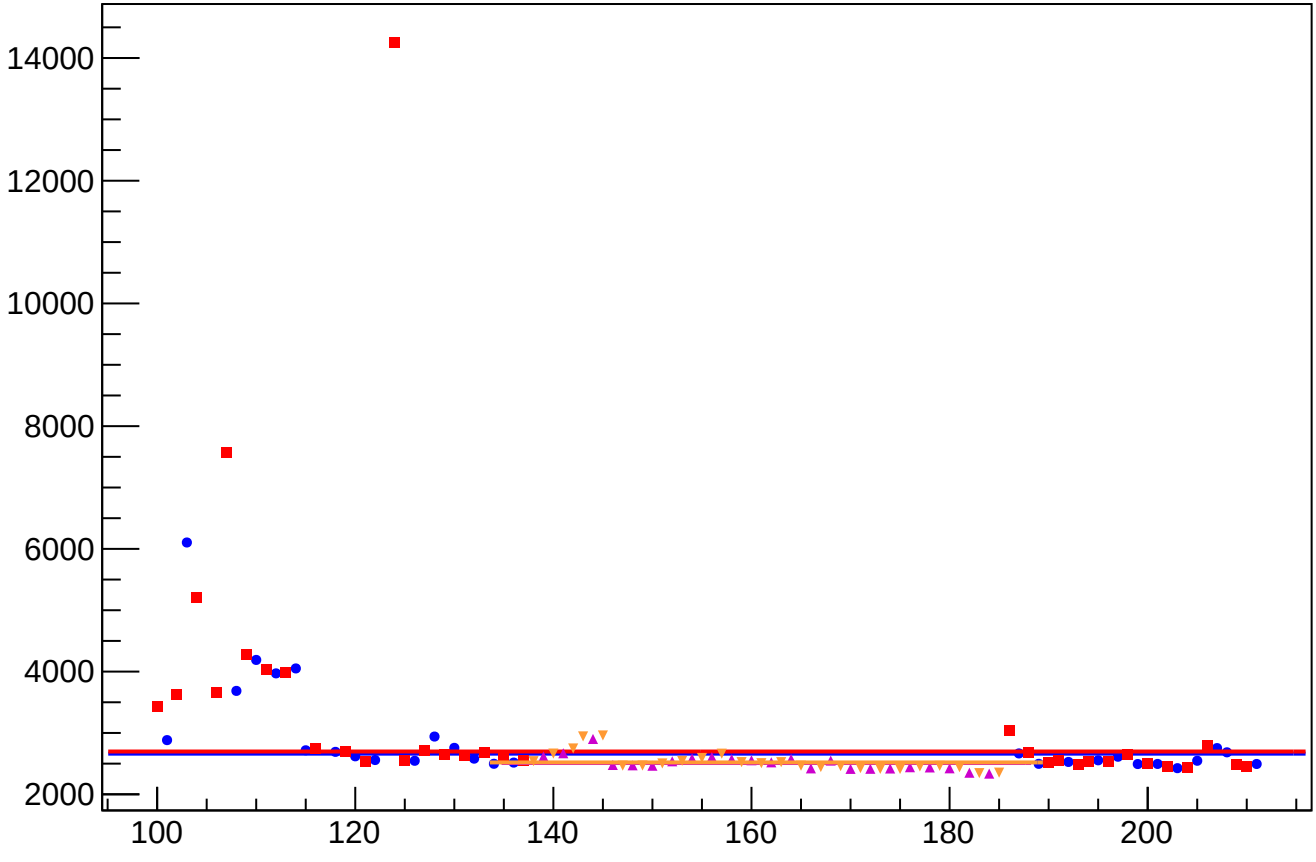
Left In: -1654.626+/-586.767 χ^2/NDF:17.3/22

+ sign 1168.391+/-433.063 χ^2/NDF: 50.4/52

All: -193.470+/-306.647 χ^2/NDF: 125.2/108

- sign -1562.921+/-434.268 χ^2/NDF: 55.0/55

asym_atl1_rms vs Slug



Right In: 2662.866+/-0.467 χ^2/NDF: 768862.3/27

Left Out: 2519.516+/-0.405 χ^2/NDF:115204.3/24

Right Out: 2697.467+/-0.457 χ^2/NDF: 1238357.4/32

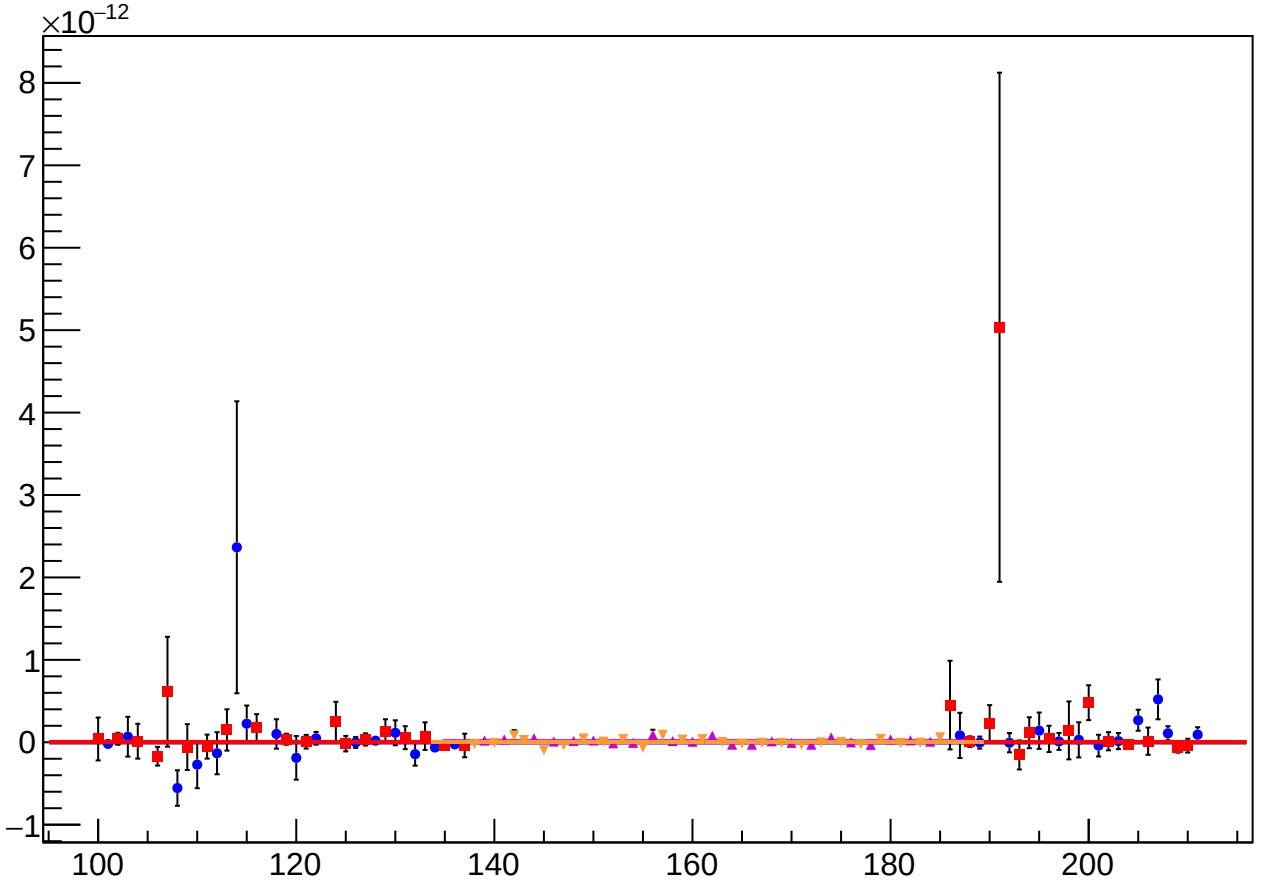
Left In: 2510.156+/-0.415 χ^2/NDF:73771.4/22

+ sign 2581.059+/-0.306 χ^2/NDF: 937757.5/52

All: 2587.944+/-0.217 χ^2/NDF: 2343072.4/10

- sign 2594.867+/-0.307 χ^2/NDF: 1404301.2/55

asym_atl1_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 29.0/27

Left Out: 0.000+/-0.000 χ^2/NDF:28.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 20.7/32

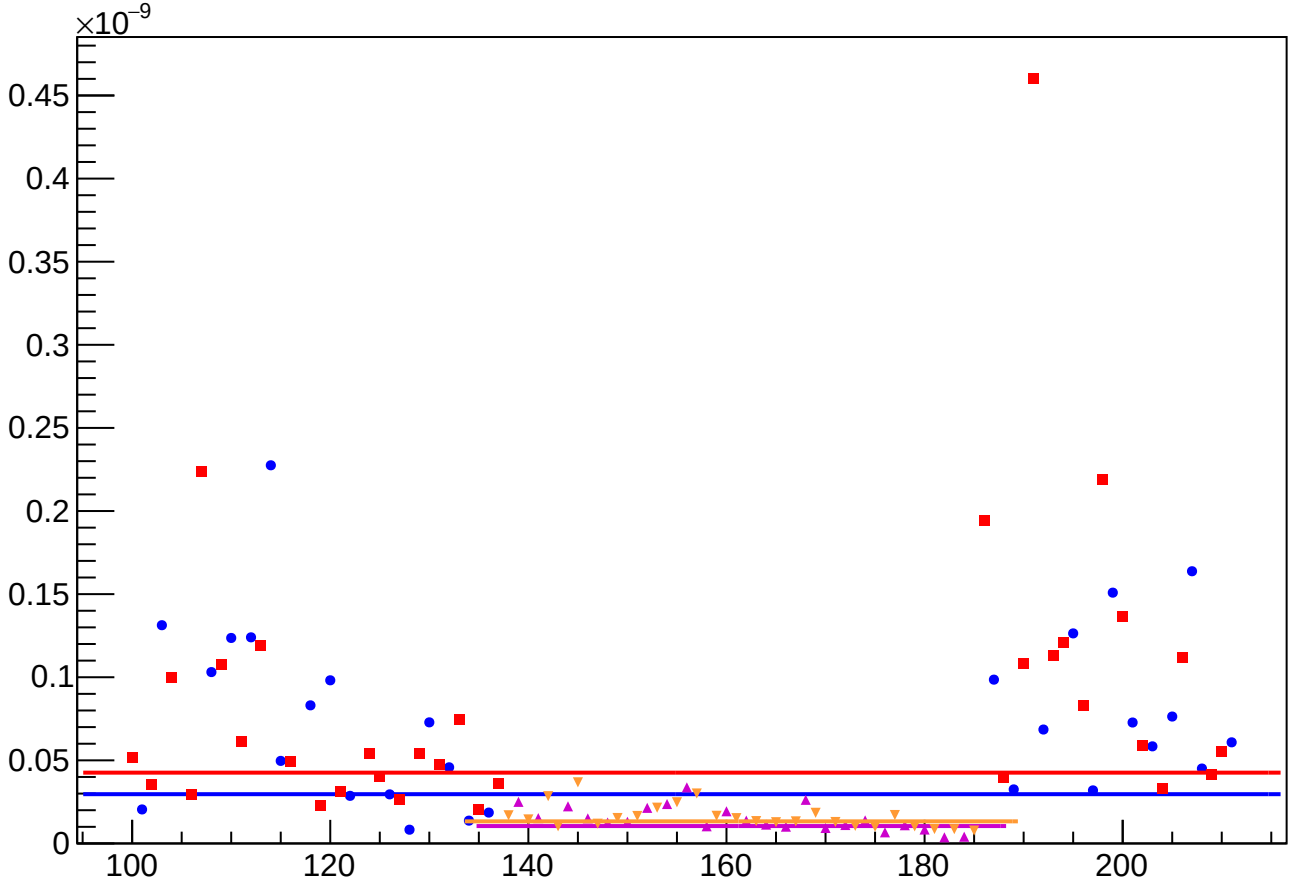
Left In: 0.000+/-0.000 χ^2/NDF:32.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 57.9/52

All: 0.000+/-0.000 χ^2/NDF: 113.2/108

- sign 0.000+/-0.000 χ^2/NDF: 53.2/55

asym_atl1_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 5692201.8/27

Left Out: 0.000+/-0.000 χ^2/NDF:1472019.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3996546.2/32

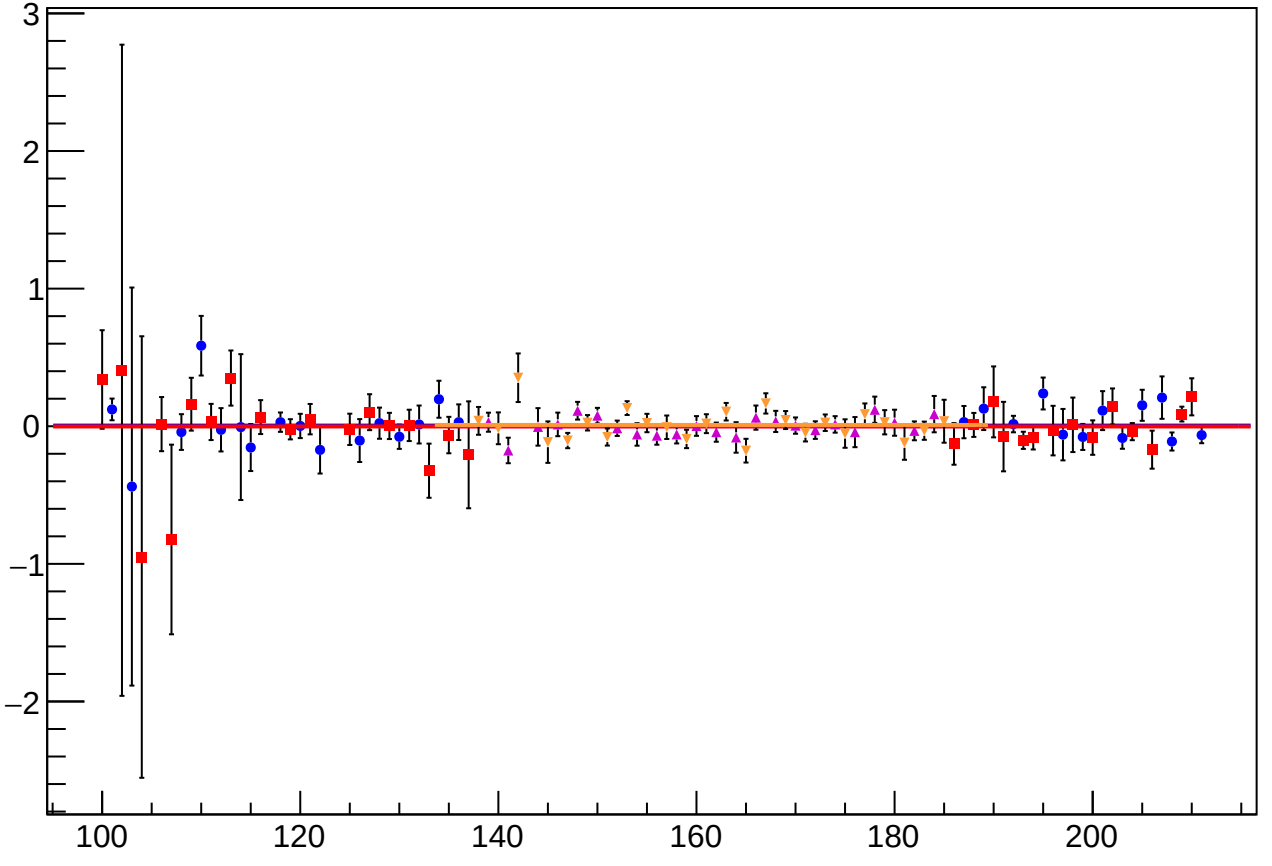
Left In: 0.000+/-0.000 χ^2/NDF:2813965.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 9223932.2/52

All: 0.000+/-0.000 χ^2/NDF: 21897446.9/108

- sign 0.000+/-0.000 χ^2/NDF: 12386130.6/55

asym_atl1_dit_vs_cor_diff_mean vs Slug



Right In: 0.005+/-0.020 χ^2/NDF: 30.6/27

Left Out: 0.009+/-0.015 χ^2/NDF:34.7/23

Right Out: -0.002+/-0.020 χ^2/NDF: 24.8/31

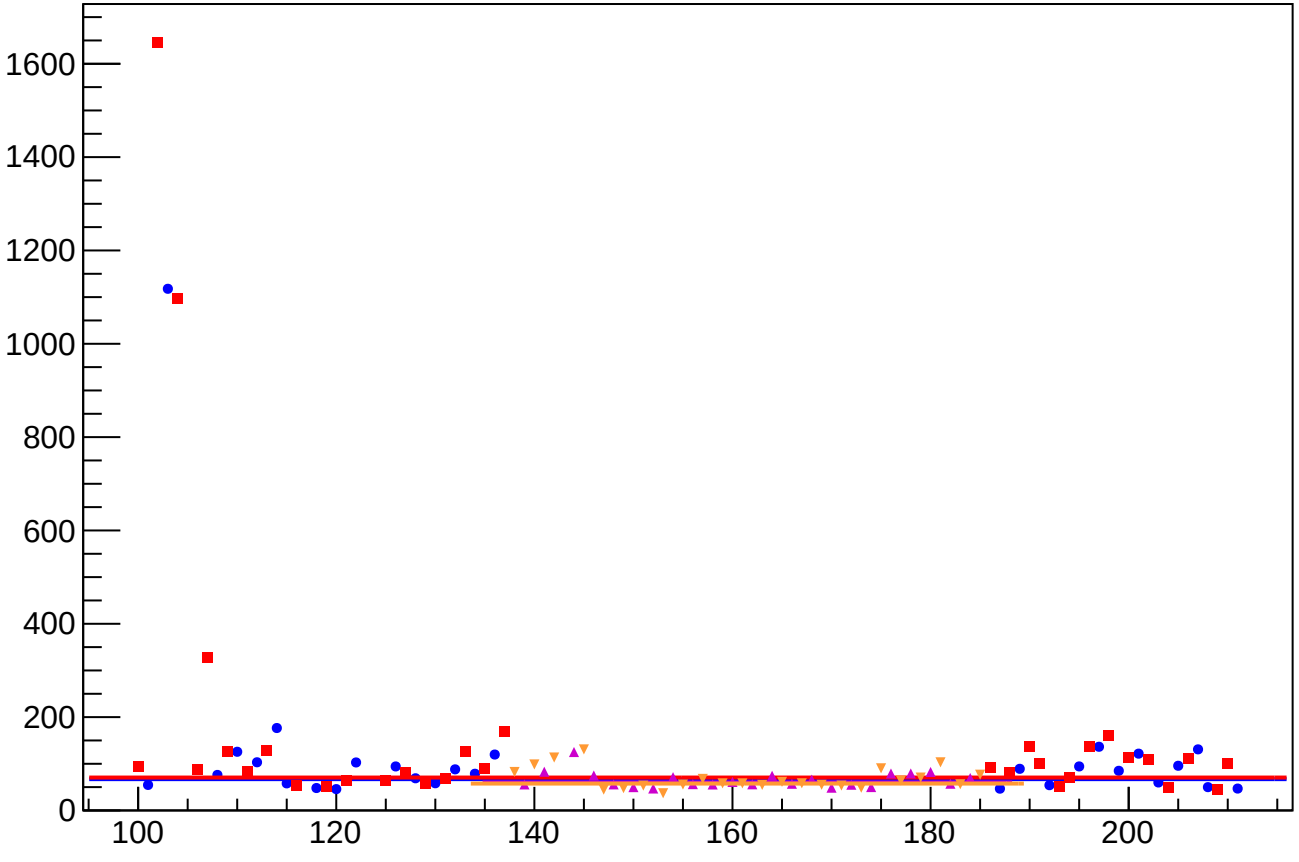
Left In: 0.001+/-0.015 χ^2/NDF:15.6/22

+ sign 0.008+/-0.012 χ^2/NDF: 65.3/51

All: 0.004+/-0.009 χ^2/NDF: 105.9/106

- sign -0.000+/-0.012 χ^2/NDF: 40.4/54

asym_atl1_dit_vs_cor_diff_rms vs Slug



Right In: 67.107+/-0.014 χ^2/NDF: 4091389.3/27

Left Out: 57.606+/-0.011 χ^2/NDF:2213142.2/23

Right Out: 70.519+/-0.014 χ^2/NDF: 5396604.1/31

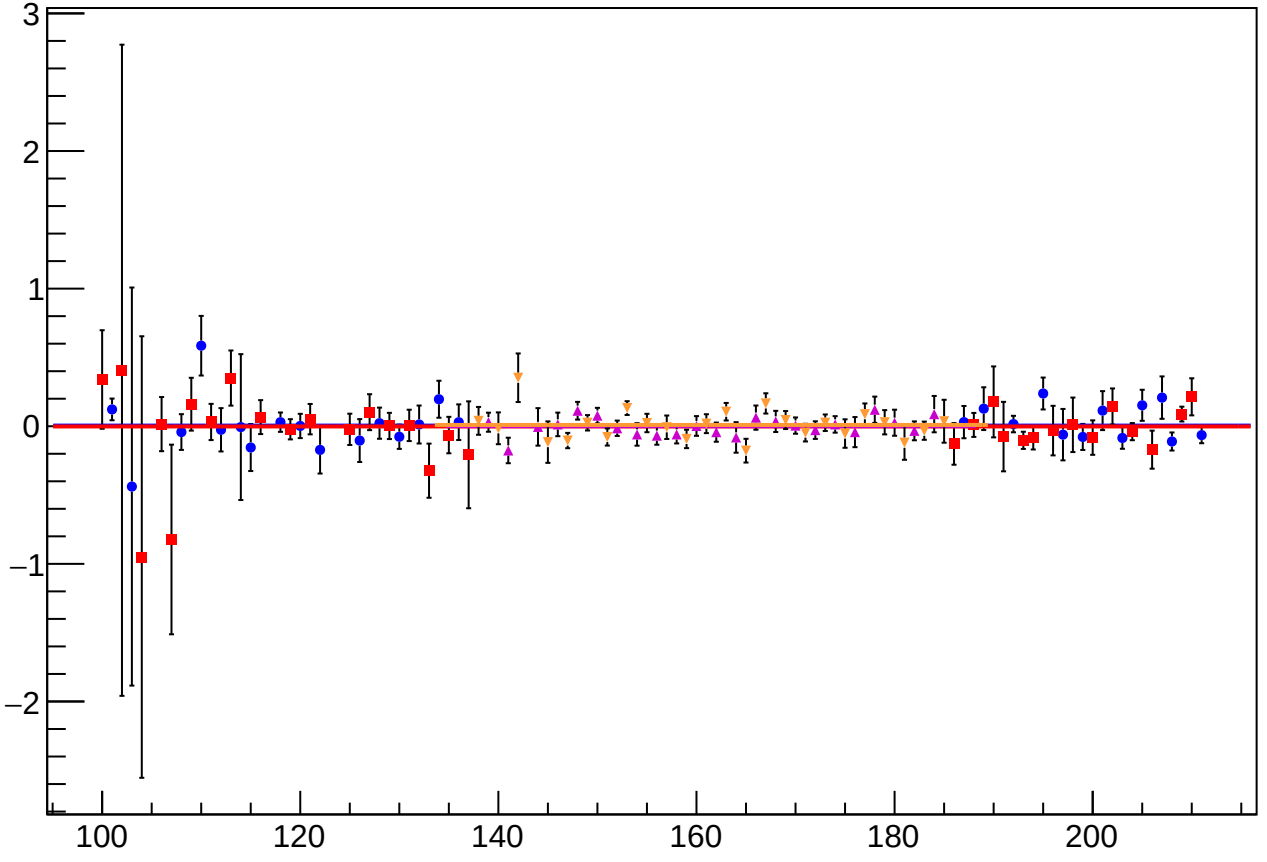
Left In: 59.828+/-0.011 χ^2/NDF:1340700.1/22

+ sign 61.110+/-0.008 χ^2/NDF: 6596287.2/51

All: 62.378+/-0.006 χ^2/NDF: 13726465.5/106

- sign 63.722+/-0.009 χ^2/NDF: 7084199.2/54

asym_atl1_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.005+/-0.020 χ^2/NDF: 30.6/27

Left Out: 0.009+/-0.015 χ^2/NDF:34.7/23

Right Out: -0.002+/-0.020 χ^2/NDF: 24.8/31

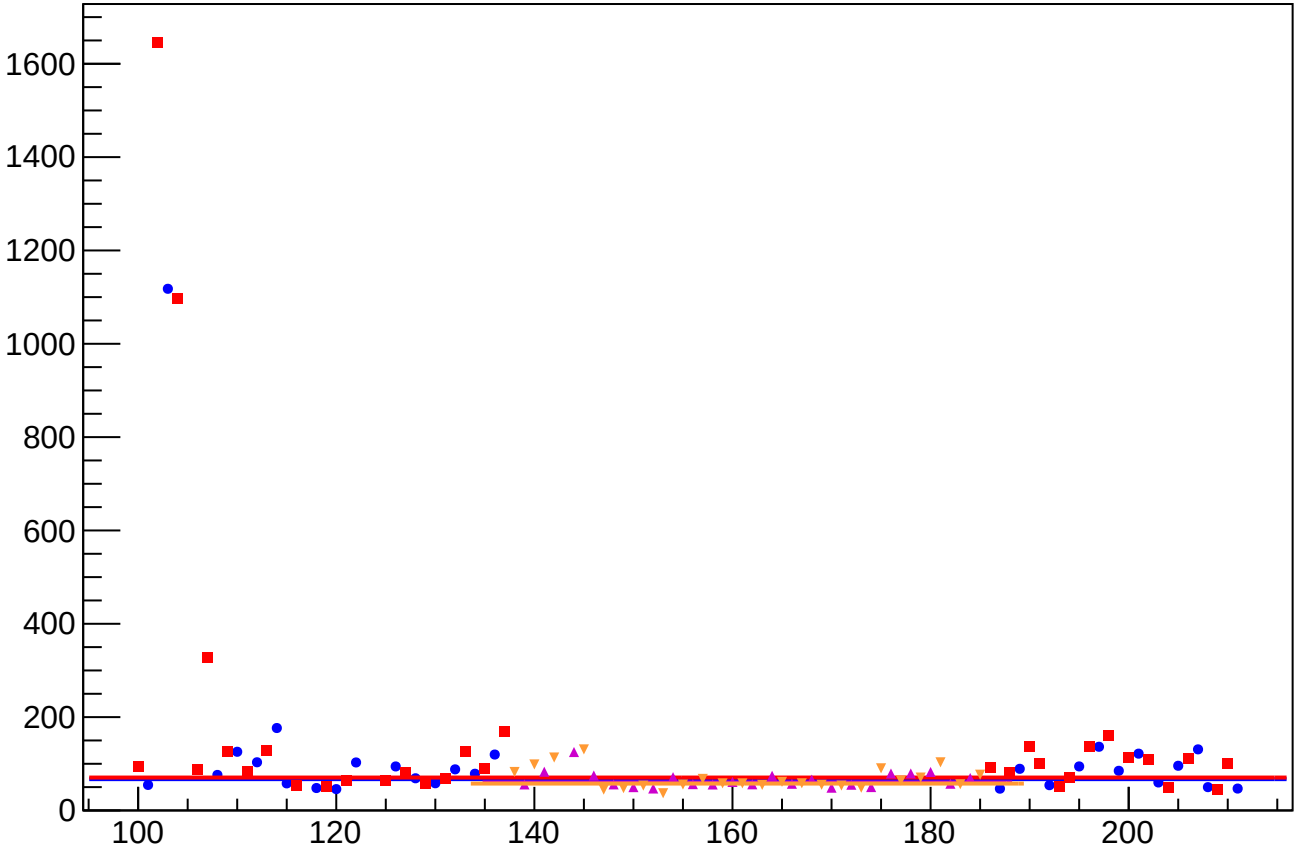
Left In: 0.001+/-0.015 χ^2/NDF:15.6/22

+ sign 0.008+/-0.012 χ^2/NDF: 65.3/51

All: 0.004+/-0.009 χ^2/NDF: 105.9/106

- sign -0.000+/-0.012 χ^2/NDF: 40.4/54

asym_atl1_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 67.107+/-0.014 χ^2/NDF: 4091389.3/27

Left Out: 57.606+/-0.011 χ^2/NDF:2213142.2/23

Right Out: 70.519+/-0.014 χ^2/NDF: 5396604.1/31

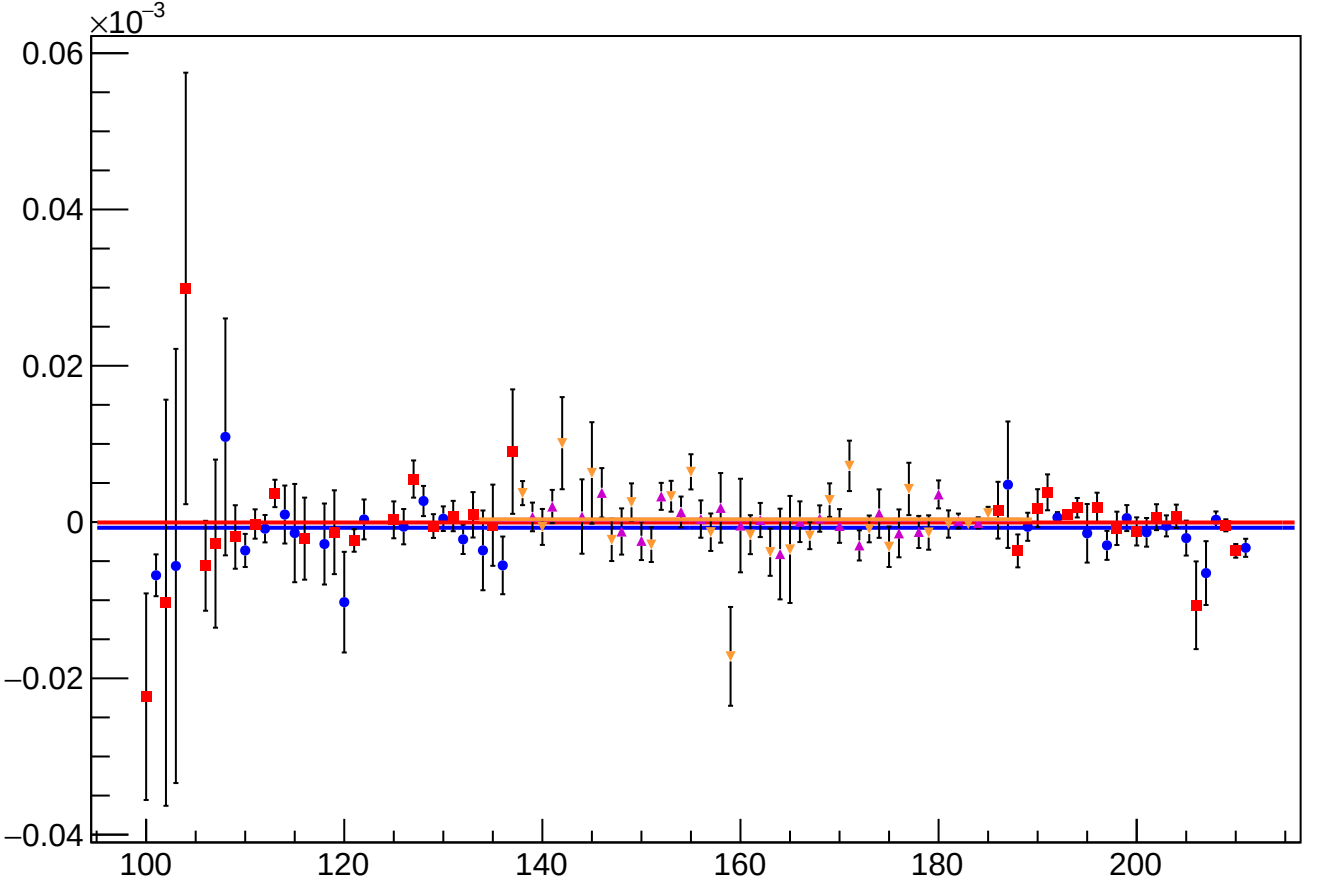
Left In: 59.828+/-0.011 χ^2/NDF:1340700.1/22

+ sign 61.110+/-0.008 χ^2/NDF: 6596287.2/51

All: 62.378+/-0.006 χ^2/NDF: 13726465.5/106

- sign 63.722+/-0.009 χ^2/NDF: 7084199.2/54

asym_atl1_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 31.3/27

Left Out: 0.000+/-0.000 χ^2/NDF:46.8/23

Right Out: -0.000+/-0.000 χ^2/NDF: 54.4/31

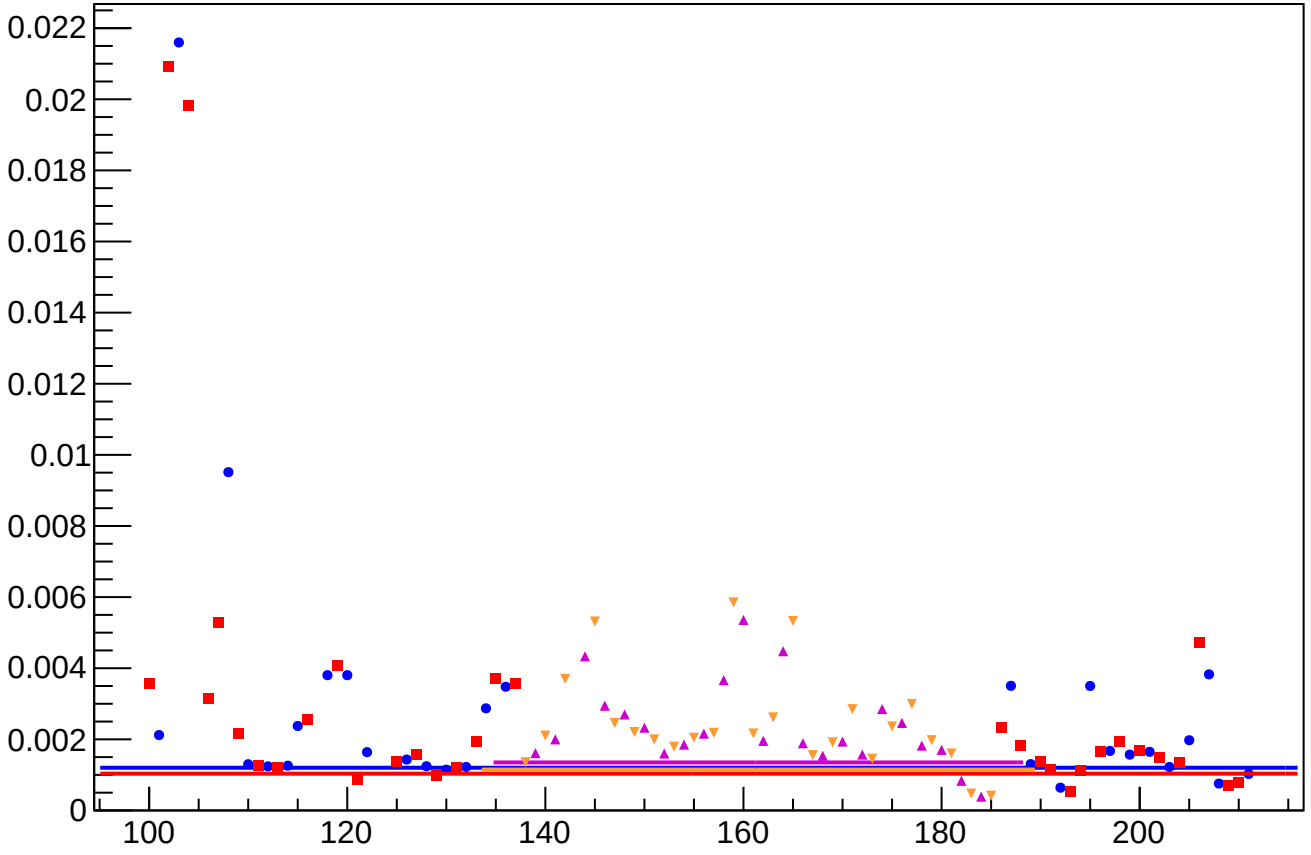
Left In: 0.000+/-0.000 χ^2/NDF:14.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 82.9/51

All: -0.000+/-0.000 χ^2/NDF: 153.3/106

- sign 0.000+/-0.000 χ^2/NDF: 69.8/54

asym_atl1_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 7949982.2/27

Left Out: 0.001+/-0.000 χ^2/NDF:13242273.9/23

Right Out: 0.001+/-0.000 χ^2/NDF: 9354845.8/31

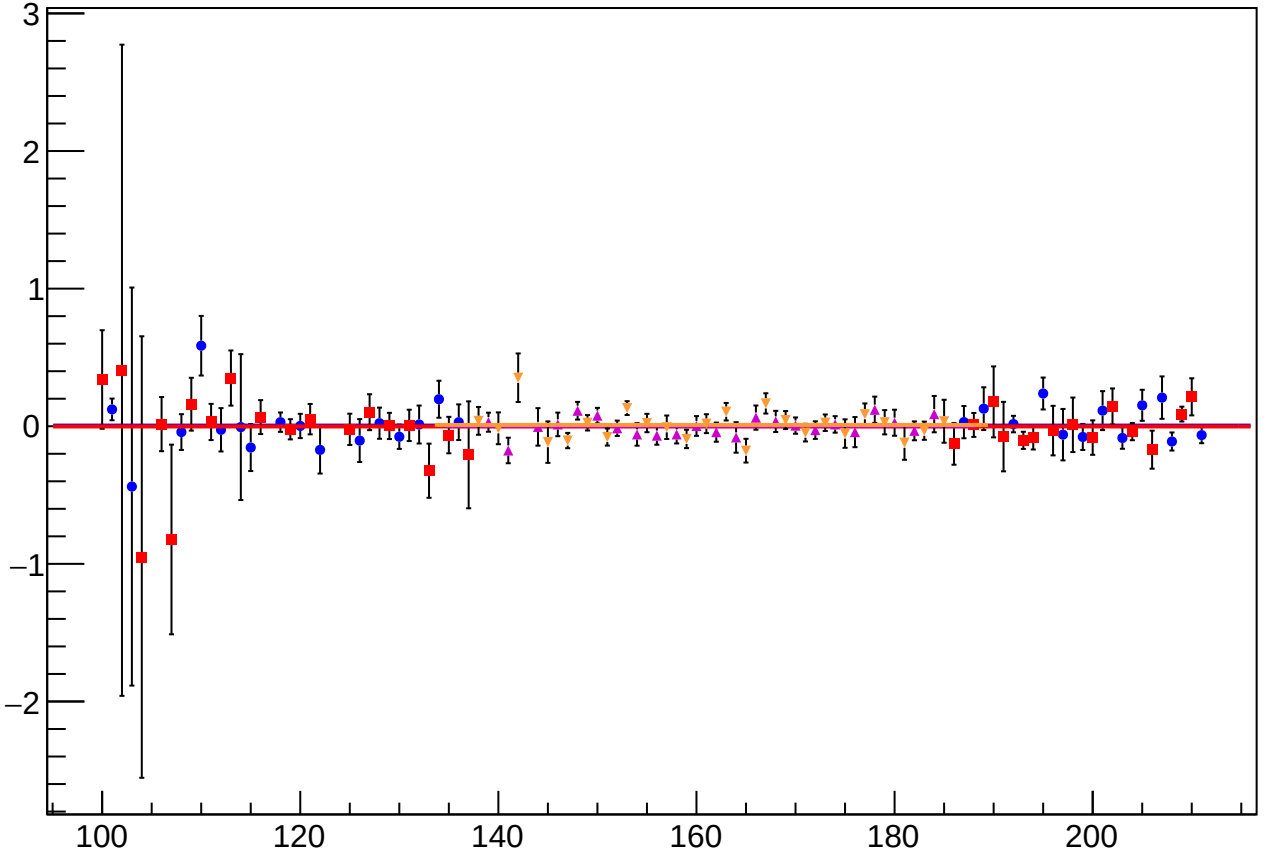
Left In: 0.001+/-0.000 χ^2/NDF:10247159.8/22

+ sign 0.001+/-0.000 χ^2/NDF: 21213862.0/51

All: 0.001+/-0.000 χ^2/NDF: 41668029.2/106

- sign 0.001+/-0.000 χ^2/NDF: 20446743.4/54

asym_atl1_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.005+/-0.020 χ^2/NDF: 30.6/27

Left Out: 0.009+/-0.015 χ^2/NDF:34.7/23

Right Out: -0.002+/-0.020 χ^2/NDF: 24.8/31

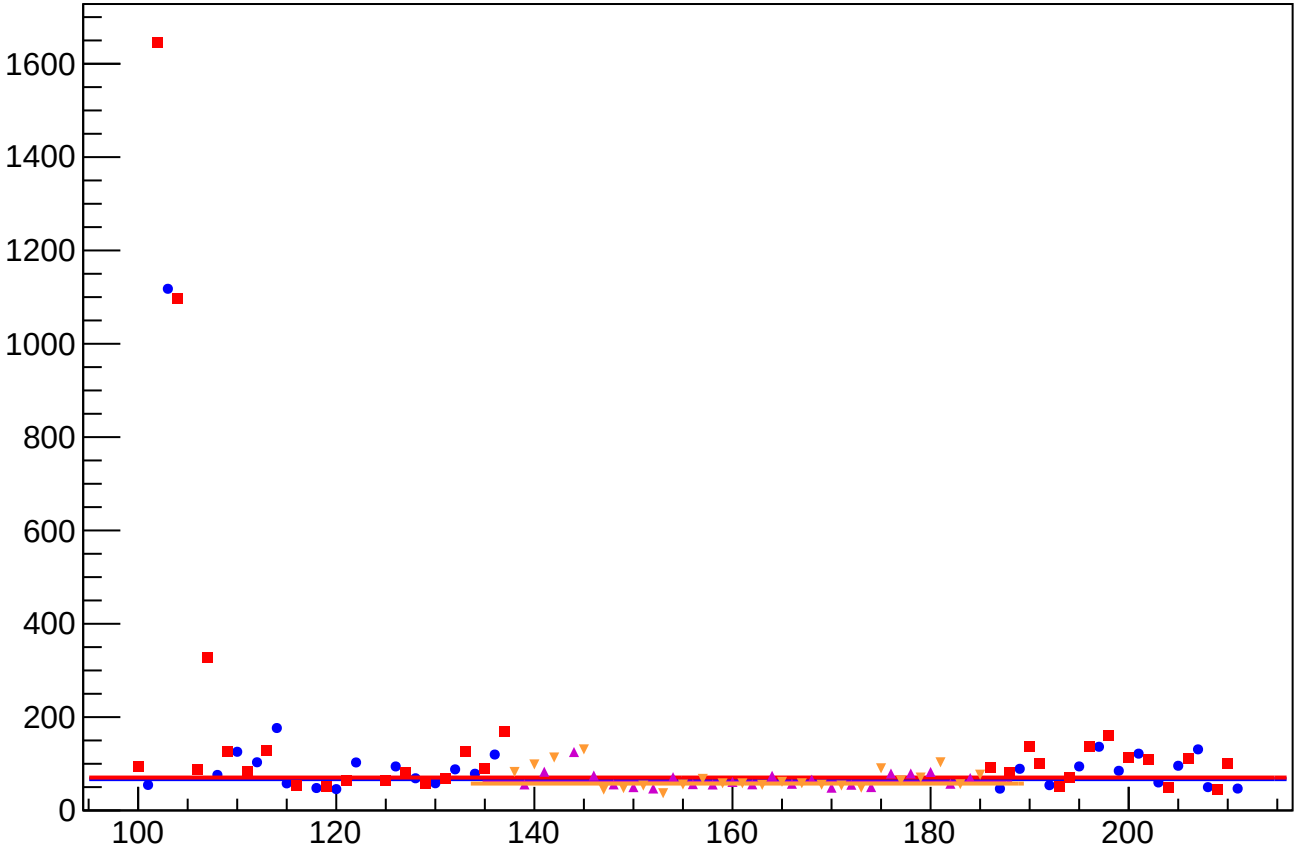
Left In: 0.001+/-0.015 χ^2/NDF:15.6/22

+ sign 0.008+/-0.012 χ^2/NDF: 65.3/51

All: 0.004+/-0.009 χ^2/NDF: 105.9/106

- sign -0.000+/-0.012 χ^2/NDF: 40.4/54

asym_atl1_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 67.106+/-0.014 χ^2/NDF: 4091528.8/27

Left Out: 57.606+/-0.011 χ^2/NDF:2213216.3/23

Right Out: 70.519+/-0.014 χ^2/NDF: 5396696.4/31

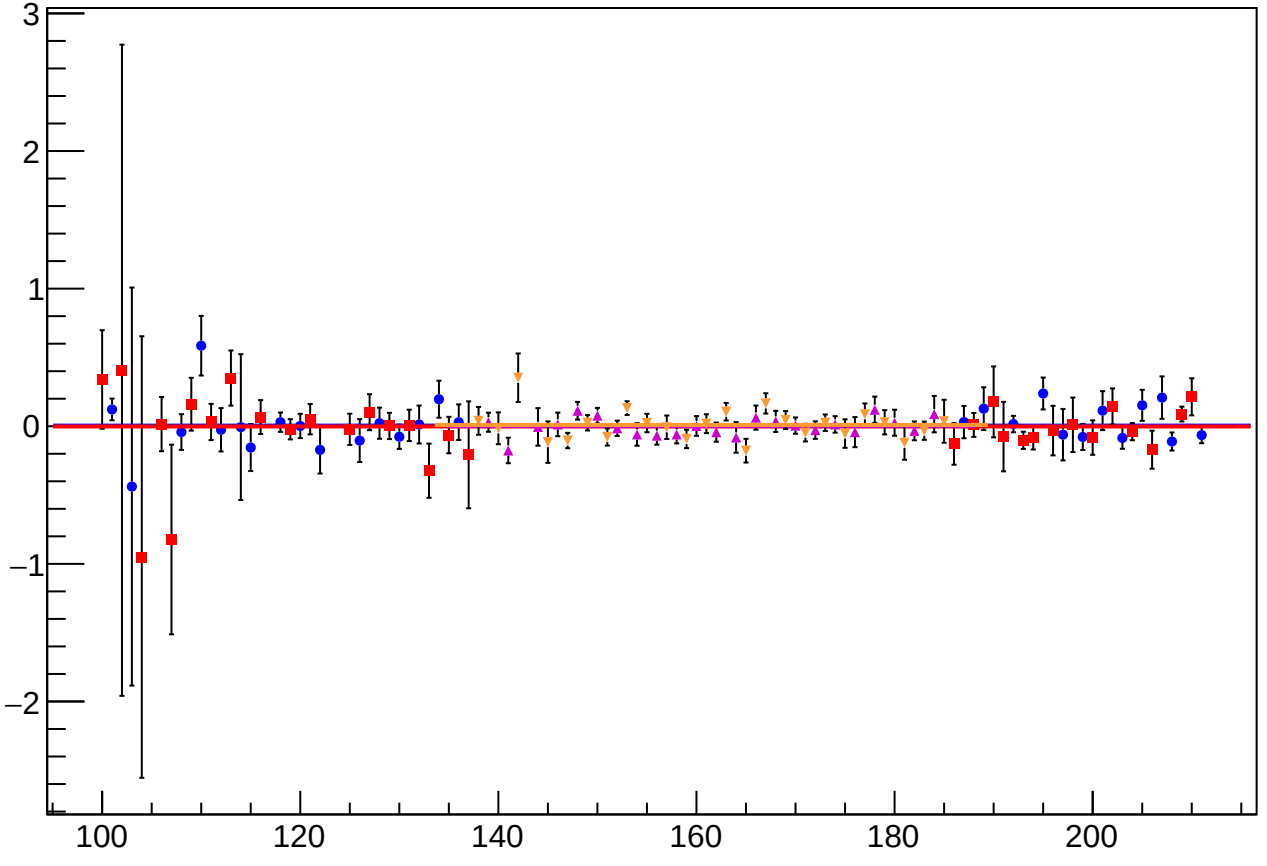
Left In: 59.828+/-0.011 χ^2/NDF:1340684.6/22

+ sign 61.110+/-0.008 χ^2/NDF: 6596471.4/51

All: 62.378+/-0.006 χ^2/NDF: 13726701.1/106

- sign 63.722+/-0.009 χ^2/NDF: 7084244.7/54

asym_atl1_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.005+/-0.020 χ^2/NDF: 30.6/27

Left Out: 0.009+/-0.015 χ^2/NDF:34.7/23

Right Out: -0.002+/-0.020 χ^2/NDF: 24.8/31

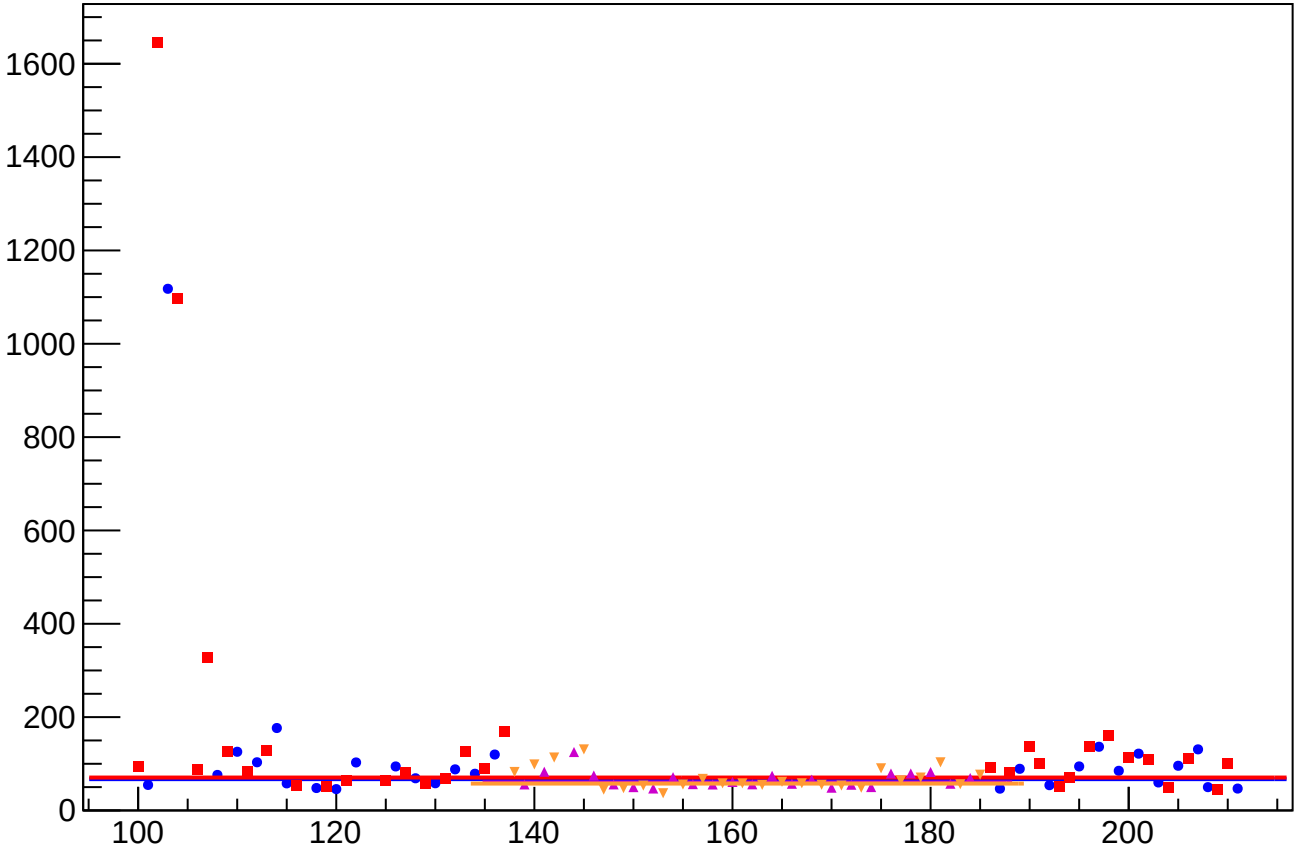
Left In: 0.001+/-0.015 χ^2/NDF:15.6/22

+ sign 0.008+/-0.012 χ^2/NDF: 65.3/51

All: 0.004+/-0.009 χ^2/NDF: 105.9/106

- sign -0.000+/-0.012 χ^2/NDF: 40.4/54

asym_atl1_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 67.106+/-0.014 χ^2/NDF: 4091528.8/27

Left Out: 57.606+/-0.011 χ^2/NDF:2213216.3/23

Right Out: 70.519+/-0.014 χ^2/NDF: 5396696.4/31

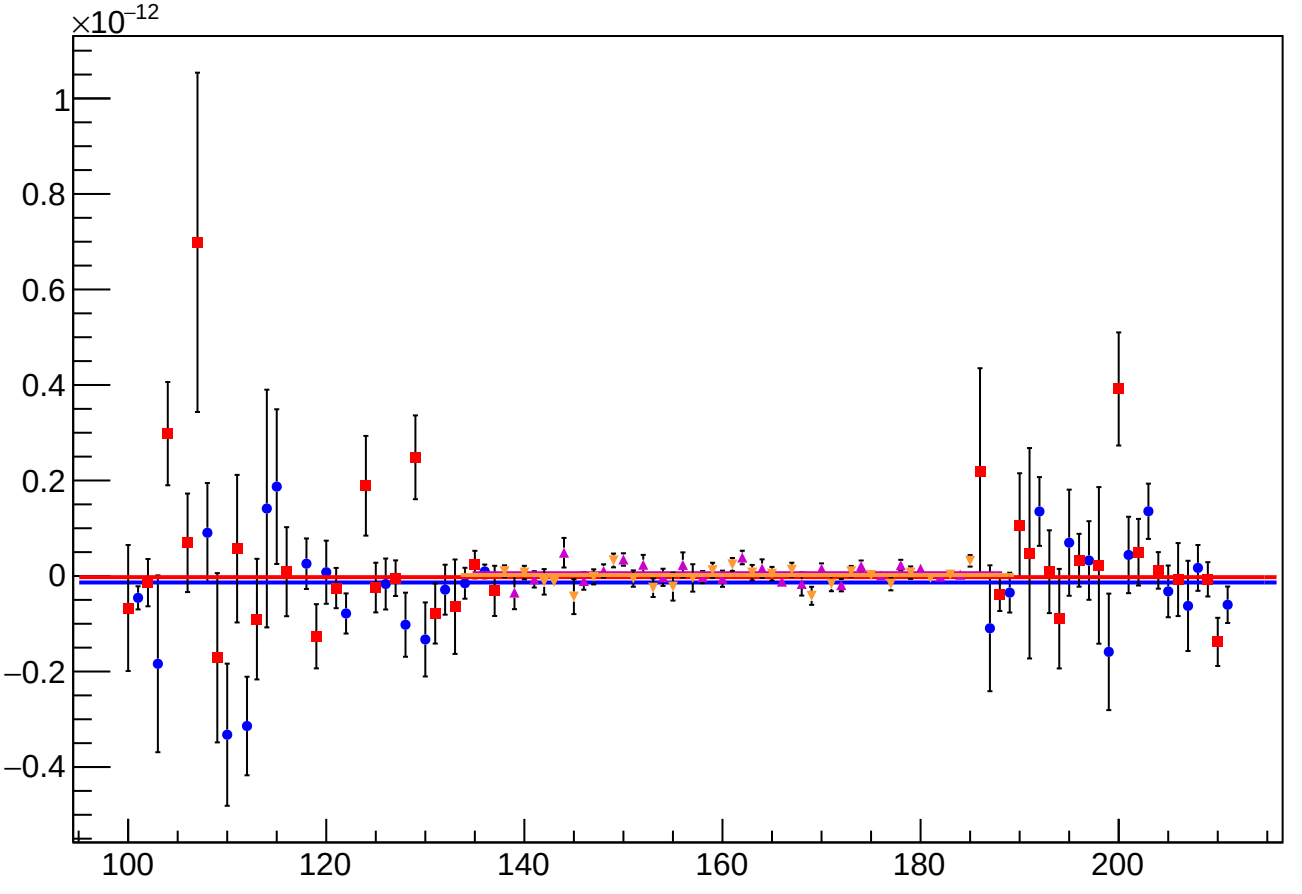
Left In: 59.828+/-0.011 χ^2/NDF:1340684.6/22

+ sign 61.110+/-0.008 χ^2/NDF: 6596471.4/51

All: 62.378+/-0.006 χ^2/NDF: 13726701.1/106

- sign 63.722+/-0.009 χ^2/NDF: 7084244.7/54

asym_atl1_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 45.2/27

Left Out: 0.000+/-0.000 χ^2/NDF:31.9/24

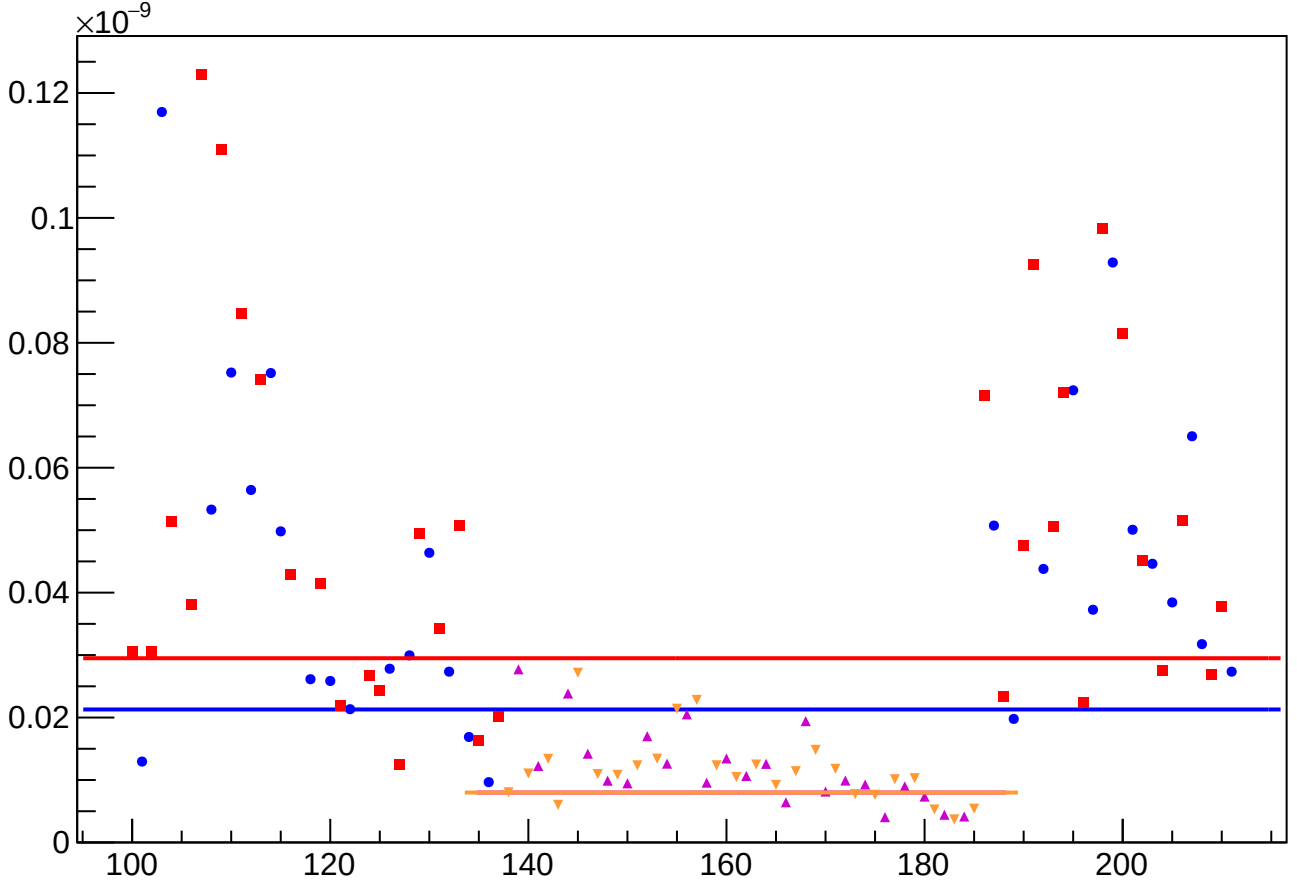
Right Out: -0.000+/-0.000 χ^2/NDF: 55.7/32

Left In: 0.000+/-0.000 χ^2/NDF:32.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 80.0/52

All: 0.000+/-0.000 χ^2/NDF: 170.7/108

- sign 0.000+/-0.000 χ^2/NDF: 88.9/55



Right In: 0.000+/-0.000 χ^2/NDF: 6114263.1/27

Left Out: 0.000+/-0.000 χ^2/NDF:4887759.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4373173.8/32

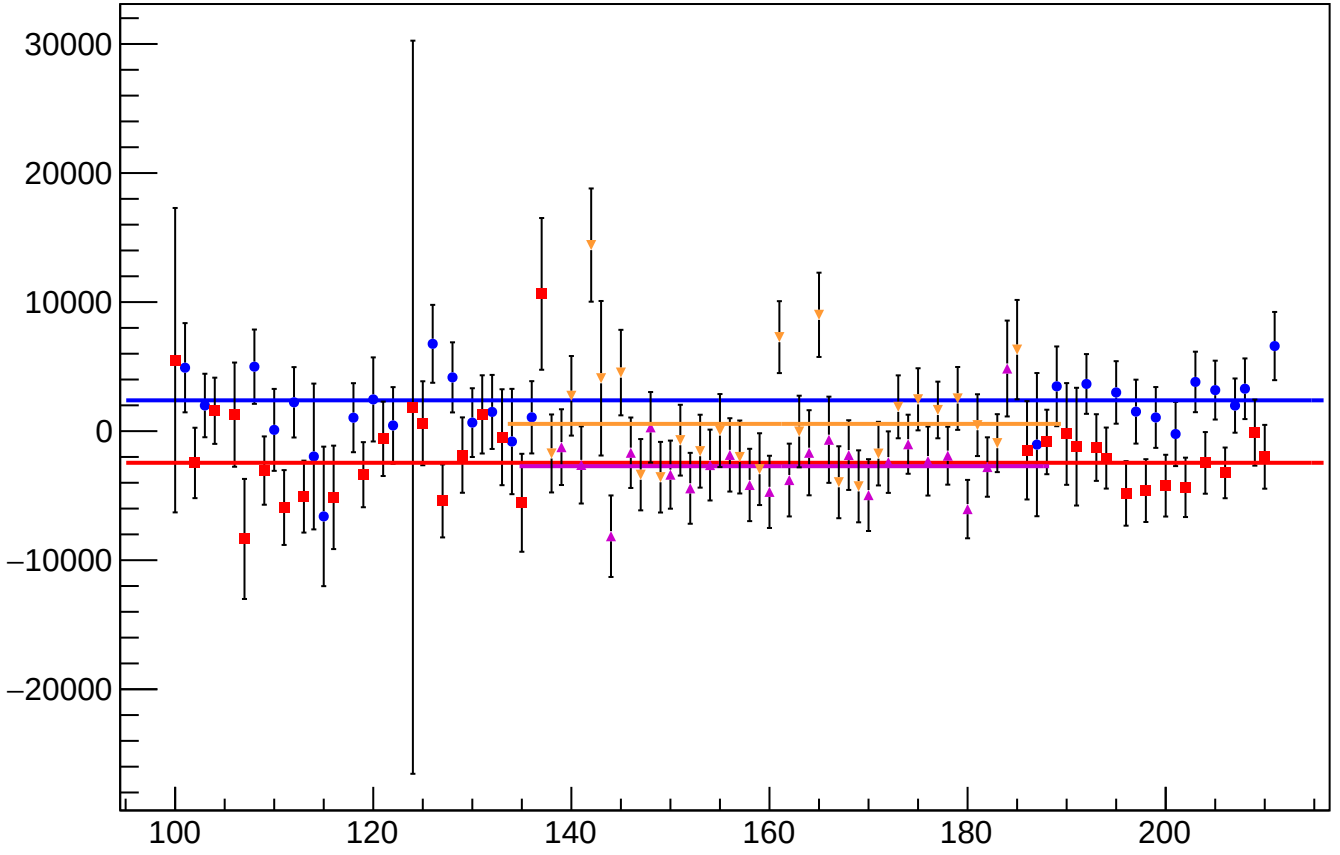
Left In: 0.000+/-0.000 χ^2/NDF:5188583.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 15319046.2/52

All: 0.000+/-0.000 χ^2/NDF: 32567746.9/108

- sign 0.000+/-0.000 χ^2/NDF: 17243788.4/55

reg_asym_atl2_mean vs Slug



Right In: 2387.239+/-524.462 χ^2/NDF: 15.5/27

Left Out: 562.390+/-557.316 χ^2/NDF:43.9/24

Right Out: -2452.249+/-508.835 χ^2/NDF: 23.3/32

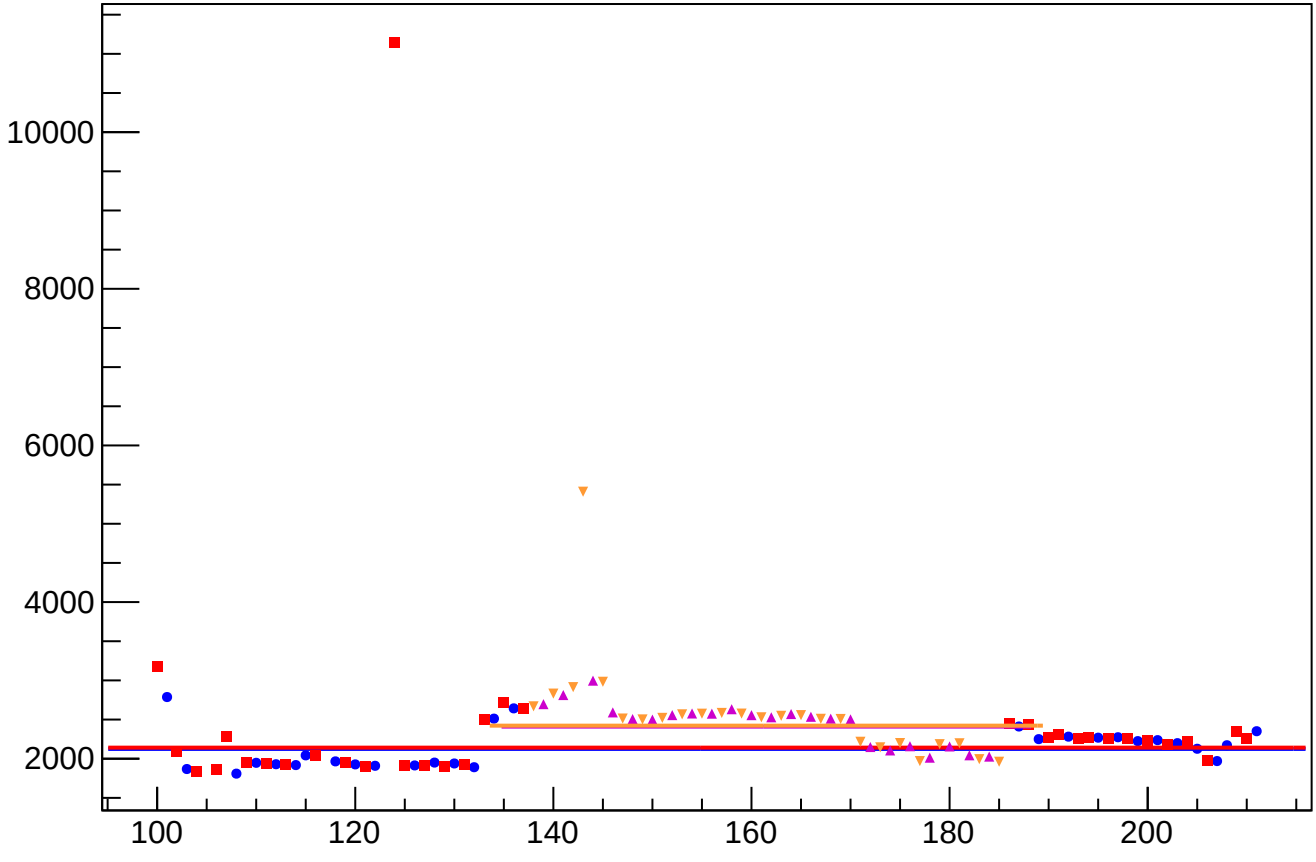
Left In: -2716.200+/-566.202 χ^2/NDF:14.3/22

+ sign 1530.185+/-381.938 χ^2/NDF: 65.1/52

All: -538.736+/-268.834 χ^2/NDF: 160.9/108

- sign -2570.180+/-378.462 χ^2/NDF: 37.7/55

reg_asym_atl2_rms vs Slug



Right In: 2125.194+/-0.371 χ^2/NDF: 359233.2/27

Left Out: 2422.152+/-0.394 χ^2/NDF:952857.9/24

Right Out: 2141.355+/-0.360 χ^2/NDF: 543956.0/32

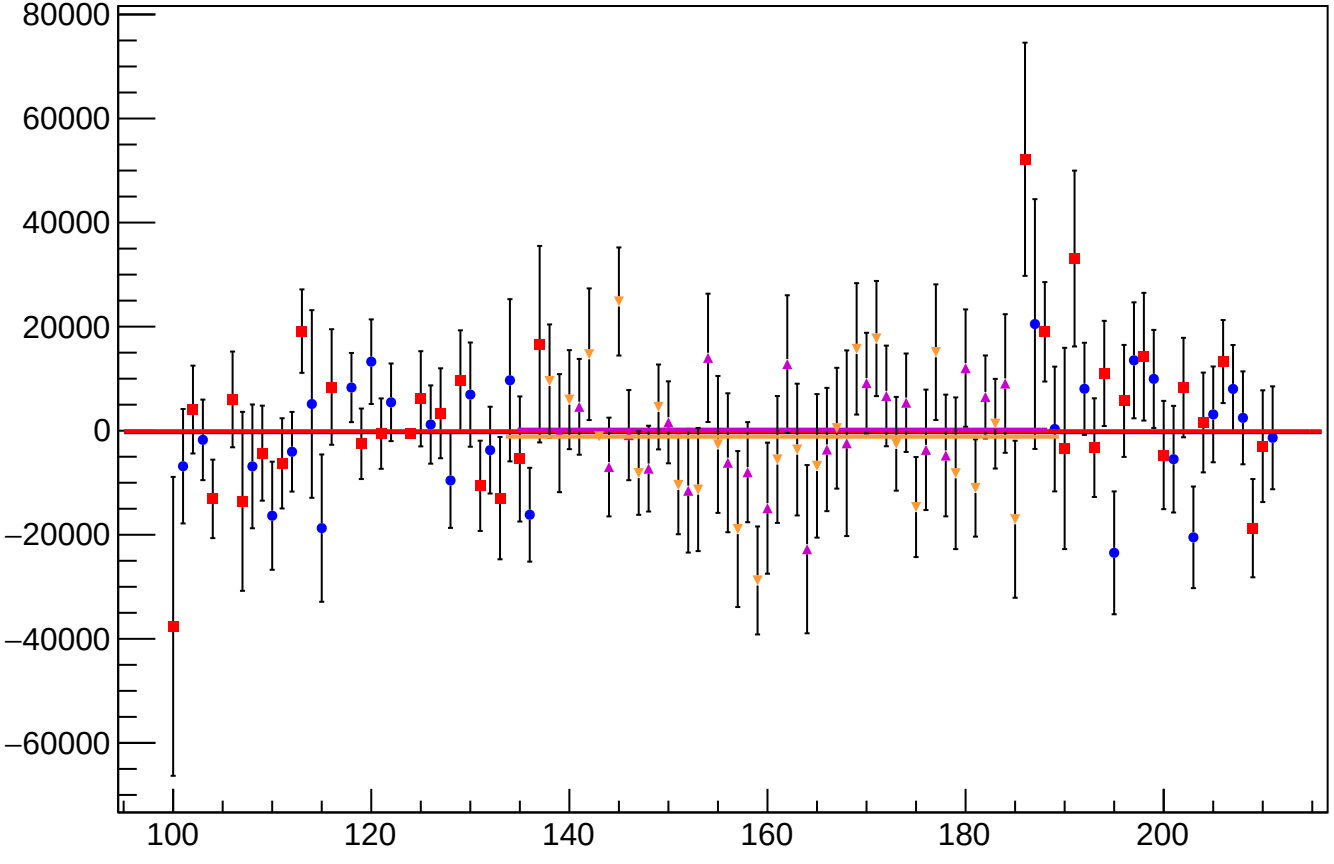
Left In: 2409.820+/-0.400 χ^2/NDF:428364.2/22

+ sign 2264.662+/-0.270 χ^2/NDF: 1613233.4/52

All: 2262.967+/-0.190 χ^2/NDF: 2834376.1/10

- sign 2261.302+/-0.268 χ^2/NDF: 1221064.6/55

asym_atl2_reg_correction_mean vs Slug



Right In: -291.513+/-1798.499 χ^2/NDF: 29.4/27

Left Out: -1158.214+/-757.797 χ^2/NDF:31.9/24

Right Out: -94.008+/-742.043 χ^2/NDF: 42.8/32

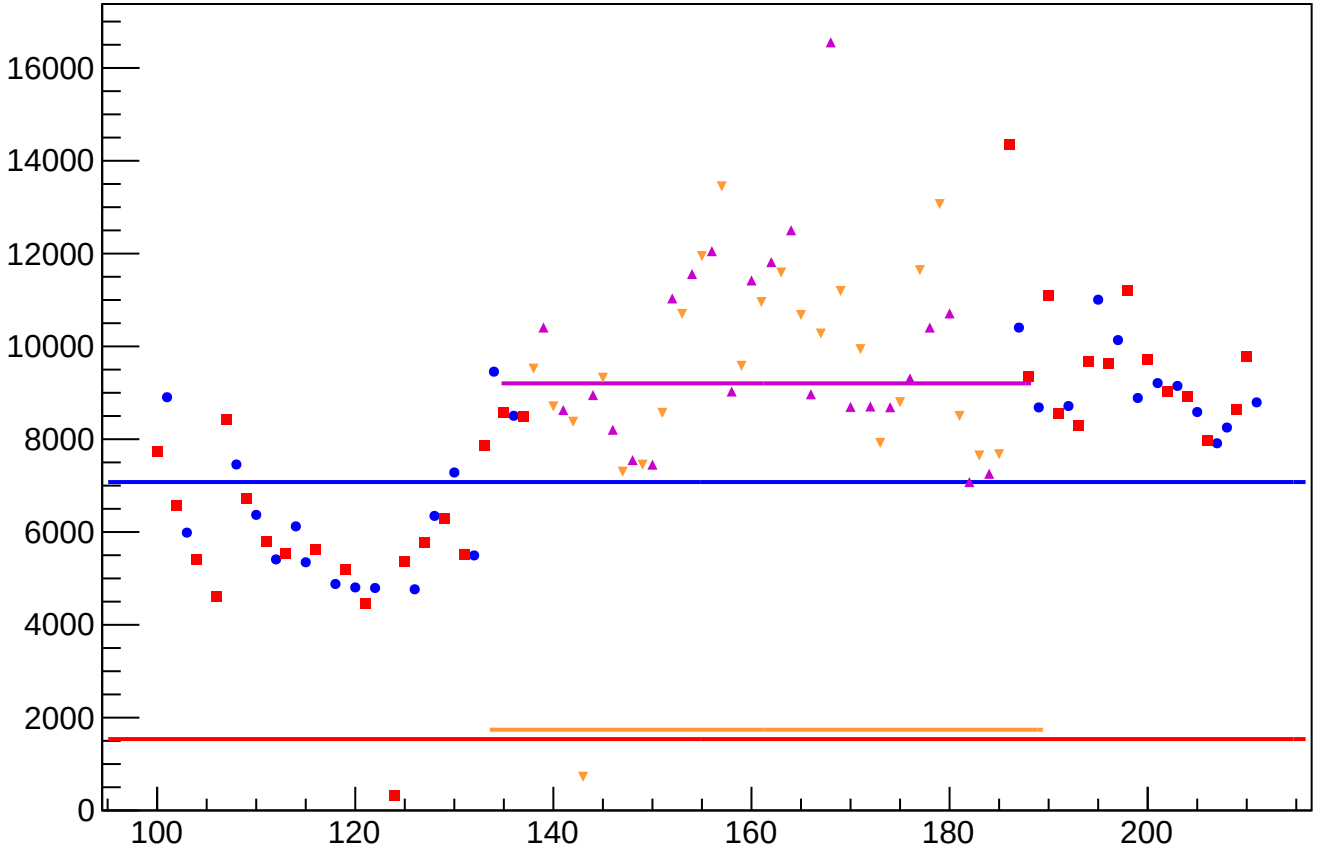
Left In: 209.655+/-2195.058 χ^2/NDF:13.4/22

+ sign -1027.542+/-698.338 χ^2/NDF: 61.5/52

All: -548.387+/-495.426 χ^2/NDF: 118.7/108

- sign -62.865+/-702.962 χ^2/NDF: 56.2/55

asym_atl2_reg_correction_rms vs Slug



Right In: 7076.817+/-1.272 χ^2/NDF: 2103174.0/27

Left Out: 1739.692+/-0.536 χ^2/NDF:27734045.9/24

Right Out: 1538.288+/-0.525 χ^2/NDF: 27230827.0/32

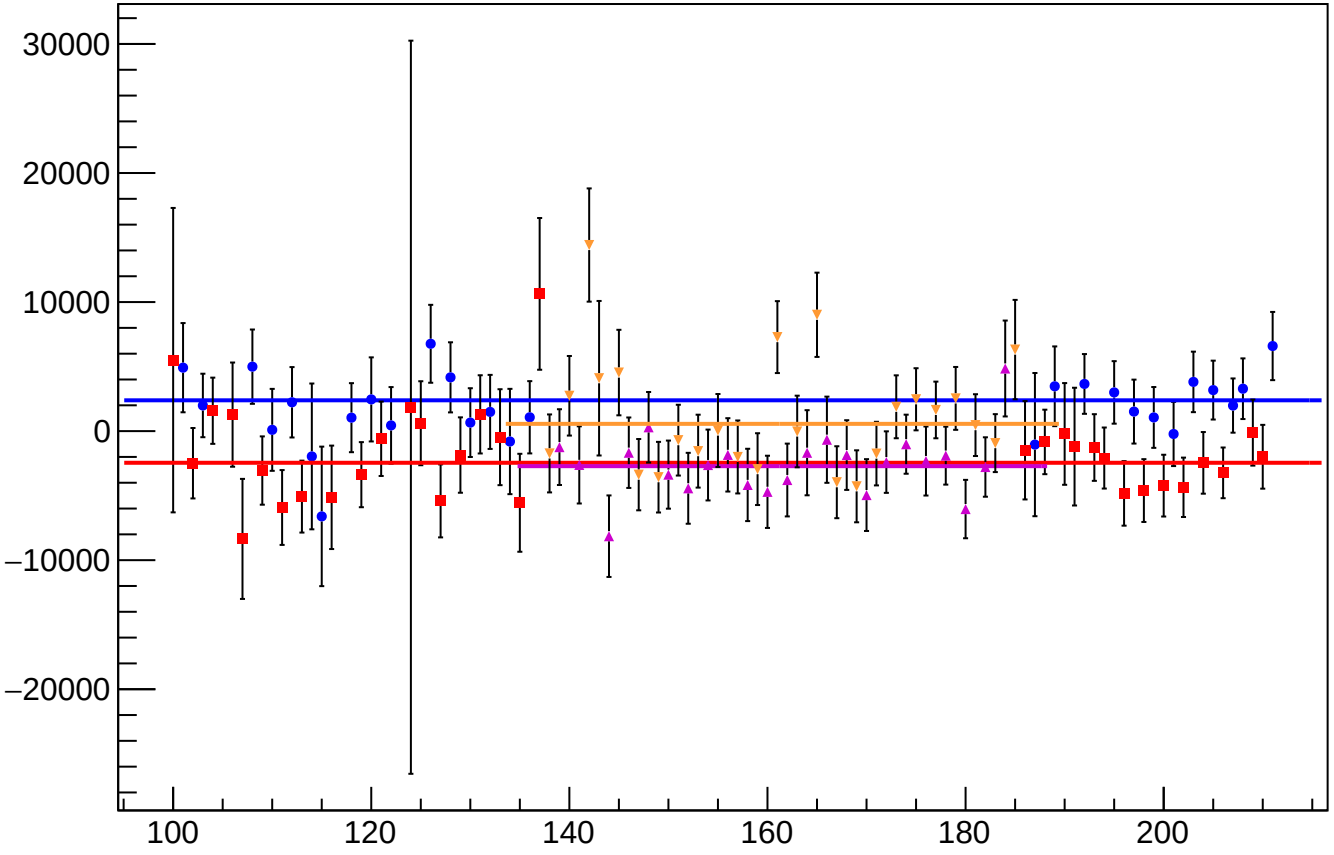
Left In: 9203.758+/-1.552 χ^2/NDF:1272066.5/22

+ sign 2544.363+/-0.494 χ^2/NDF: 44794417.8/52

All: 2435.131+/-0.350 χ^2/NDF: 95284612.2/1

- sign 2324.447+/-0.497 χ^2/NDF: 50391678.1/55

cor_asym_atl2_mean vs Slug



Right In: 2387.203+/-524.462 χ^2/NDF: 15.5/27

Left Out: 562.392+/-557.316 χ^2/NDF:43.9/24

Right Out: -2453.076+/-508.838 χ^2/NDF: 23.3/32

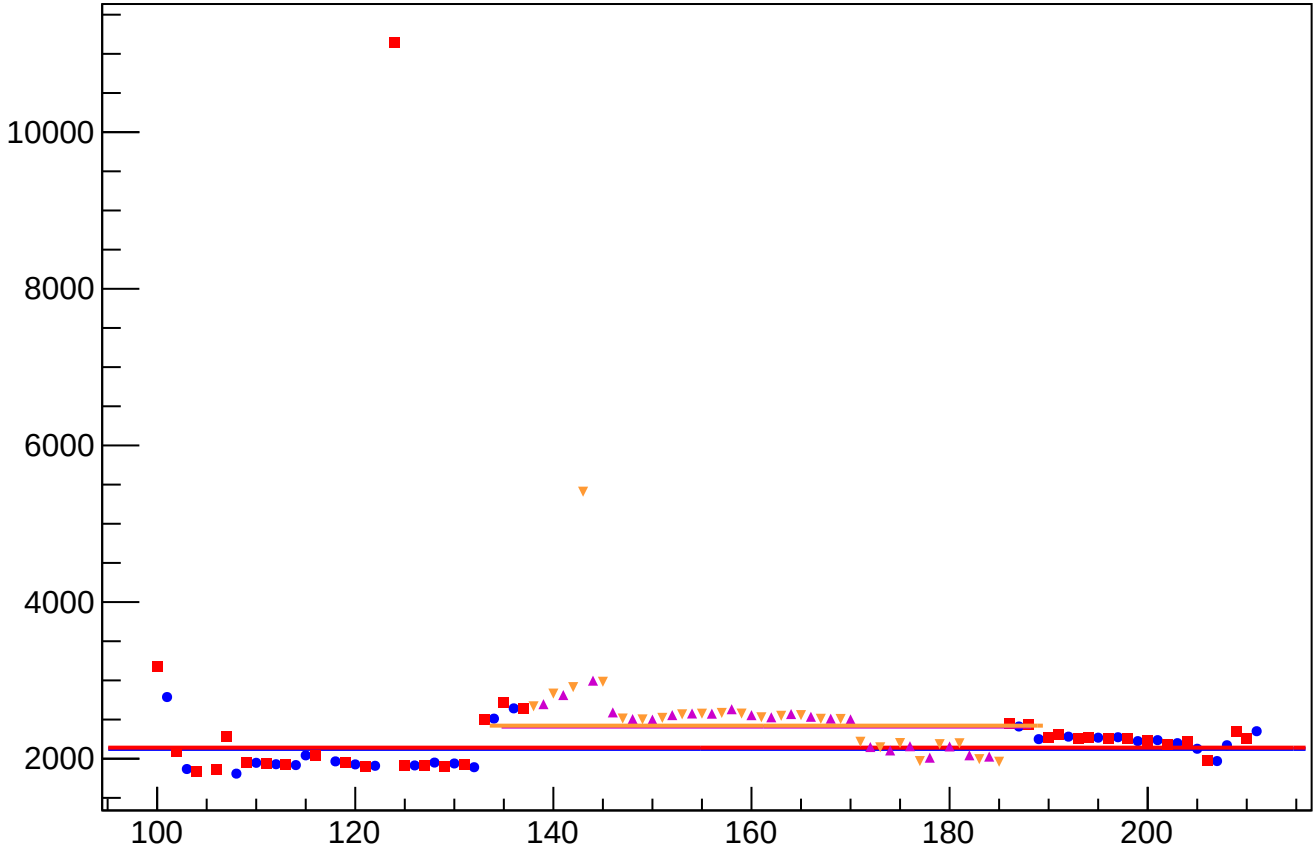
Left In: -2716.163+/-566.202 χ^2/NDF:14.3/22

+ sign 1530.167+/-381.938 χ^2/NDF: 65.1/52

All: -538.963+/-268.834 χ^2/NDF: 160.9/108

- sign -2570.621+/-378.463 χ^2/NDF: 37.7/55

cor_asym_atl2_rms vs Slug



Right In: 2125.194+/-0.371 χ^2/NDF: 359233.1/27

Left Out: 2422.152+/-0.394 χ^2/NDF:952857.9/24

Right Out: 2141.366+/-0.360 χ^2/NDF: 543948.6/32

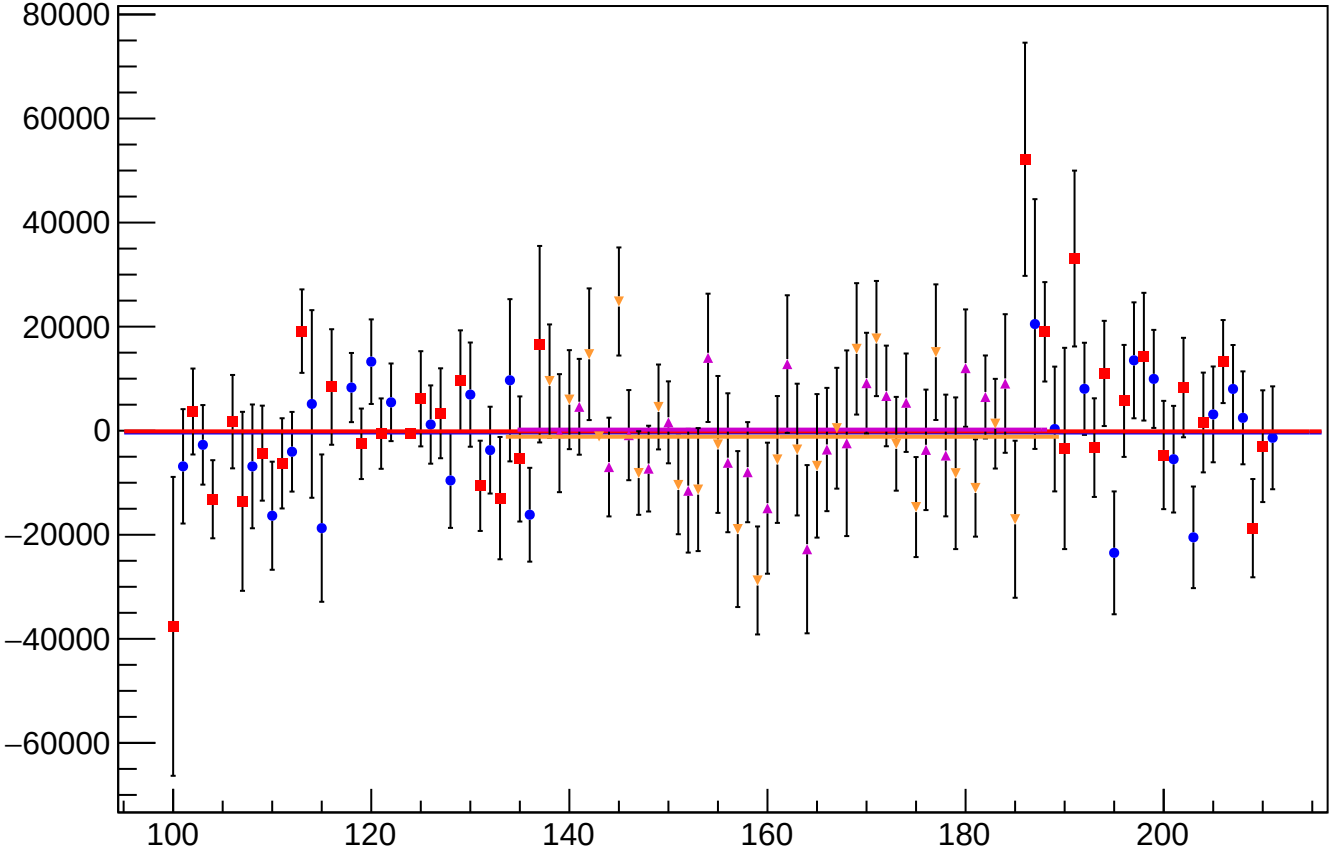
Left In: 2409.820+/-0.400 χ^2/NDF:428364.2/22

+ sign 2264.662+/-0.270 χ^2/NDF: 1613233.5/52

All: 2262.970+/-0.190 χ^2/NDF: 2834347.4/10

- sign 2261.308+/-0.268 χ^2/NDF: 1221036.2/55

asym_atl2_cor_correction_mean vs Slug



Right In: -346.922+/-1797.342 χ^2/NDF: 29.5/27

Left Out: -1157.974+/-757.732 χ^2/NDF:31.9/24

Right Out: -125.418+/-741.737 χ^2/NDF: 42.4/32

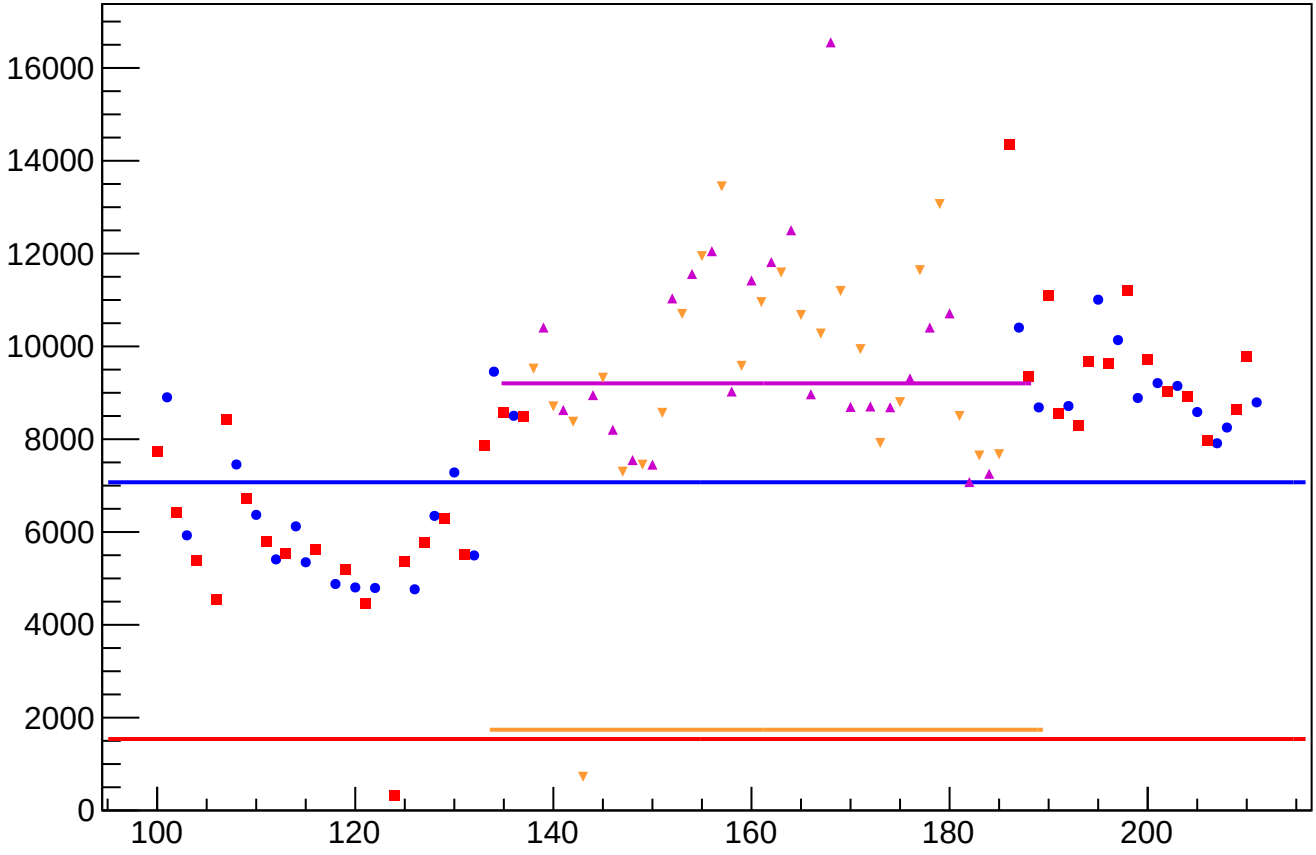
Left In: 209.500+/-2195.055 χ^2/NDF:13.4/22

+ sign -1035.577+/-698.220 χ^2/NDF: 61.6/52

All: -566.357+/-495.293 χ^2/NDF: 118.3/108

- sign -91.094+/-702.702 χ^2/NDF: 55.8/55

asym_atl2_cor_correction_rms vs Slug



Right In: 7072.161+/-1.271 χ^2/NDF: 2108484.8/27

Left Out: 1739.457+/-0.536 χ^2/NDF:27735092.1/24

Right Out: 1539.443+/-0.524 χ^2/NDF: 27221407.2/32

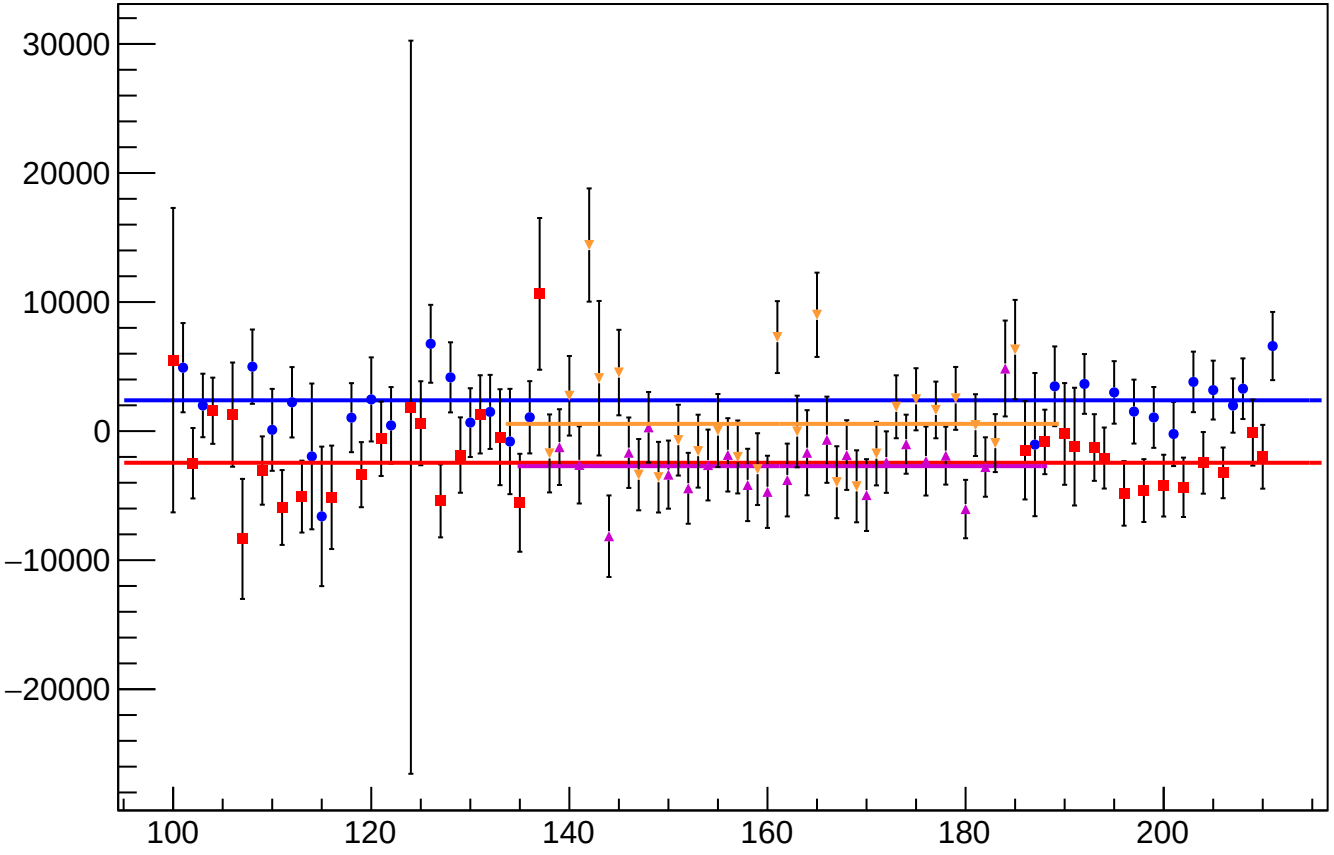
Left In: 9203.744+/-1.552 χ^2/NDF:1272079.0/22

+ sign 2544.225+/-0.494 χ^2/NDF: 44792720.3/52

All: 2435.265+/-0.350 χ^2/NDF: 95268256.6/1

- sign 2324.902+/-0.497 χ^2/NDF: 50377498.1/55

eigen_cor_asym_atl2_mean vs Slug



Right In: 2387.203+/-524.462 χ^2/NDF: 15.5/27

Left Out: 562.392+/-557.316 χ^2/NDF:43.9/24

Right Out: -2453.076+/-508.838 χ^2/NDF: 23.3/32

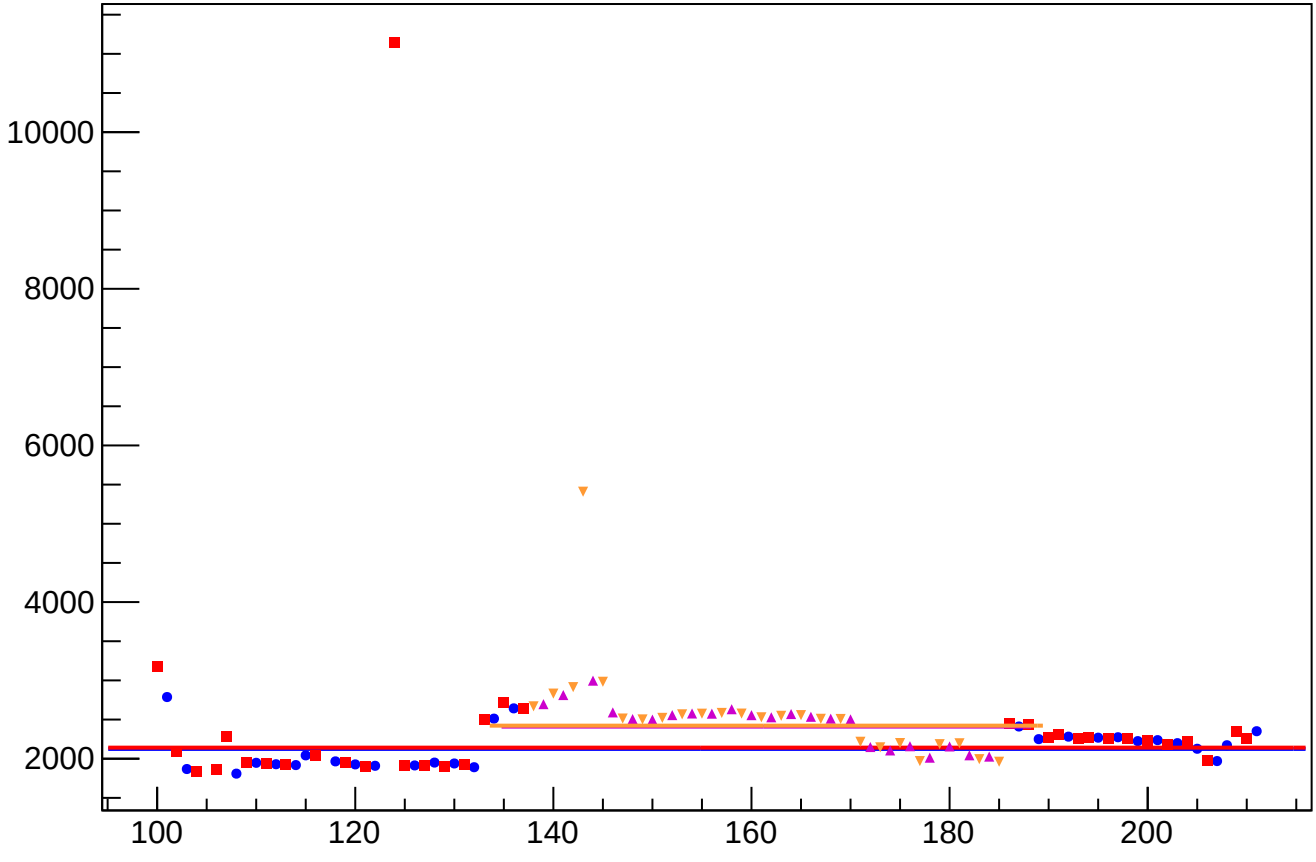
Left In: -2716.163+/-566.202 χ^2/NDF:14.3/22

+ sign 1530.167+/-381.938 χ^2/NDF: 65.1/52

All: -538.963+/-268.834 χ^2/NDF: 160.9/108

- sign -2570.621+/-378.463 χ^2/NDF: 37.7/55

eigen_cor_asym_atl2_rms vs Slug



Right In: 2125.194+/-0.371 χ^2/NDF: 359233.1/27

Left Out: 2422.152+/-0.394 χ^2/NDF:952857.9/24

Right Out: 2141.366+/-0.360 χ^2/NDF: 543948.6/32

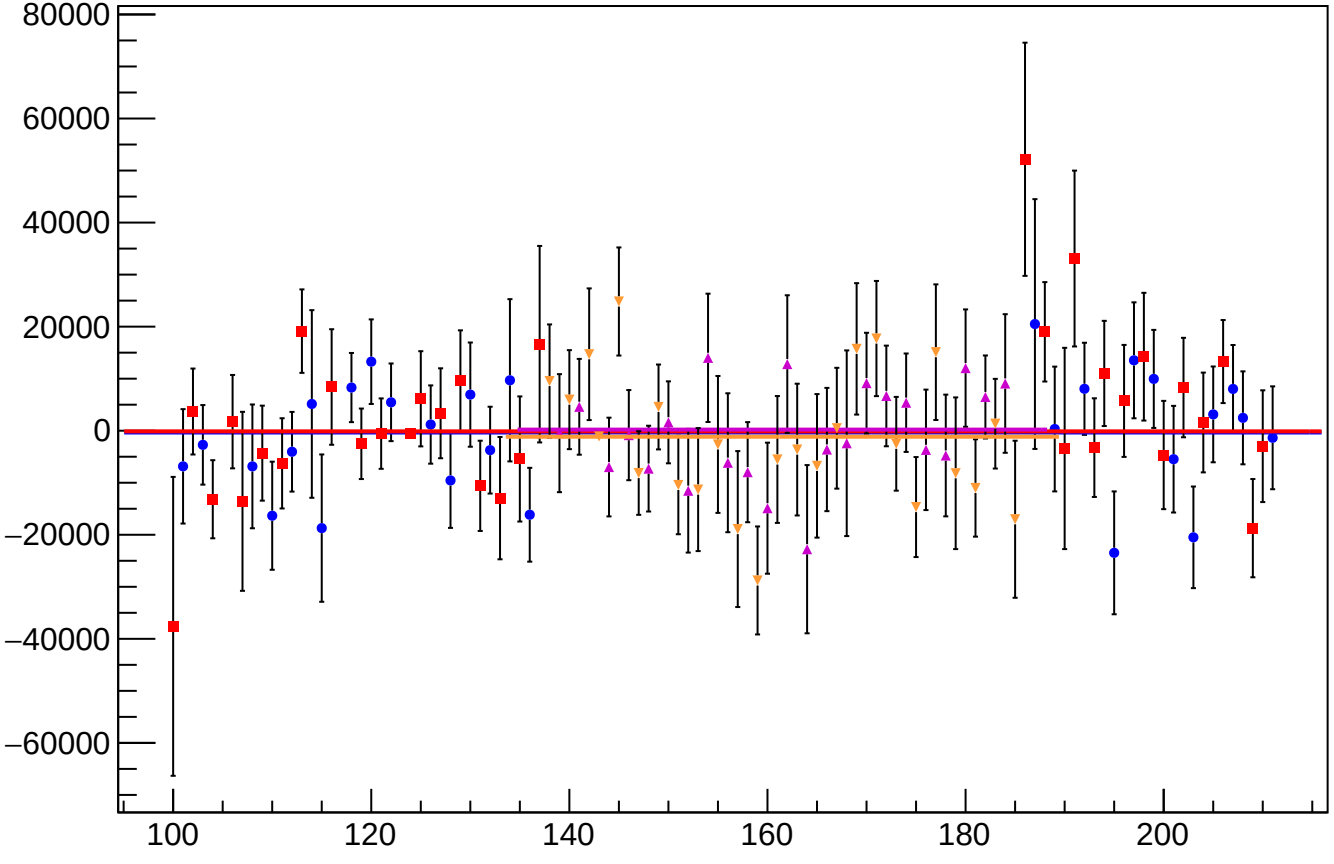
Left In: 2409.820+/-0.400 χ^2/NDF:428364.2/22

+ sign 2264.662+/-0.270 χ^2/NDF: 1613233.5/52

All: 2262.970+/-0.190 χ^2/NDF: 2834347.4/10

- sign 2261.308+/-0.268 χ^2/NDF: 1221036.2/55

asym_atl2_eigen_cor_correction_mean vs Slug



Right In: -346.922+/-1797.342 χ^2/NDF: 29.5/27

Left Out: -1157.974+/-757.732 χ^2/NDF:31.9/24

Right Out: -125.418+/-741.737 χ^2/NDF: 42.4/32

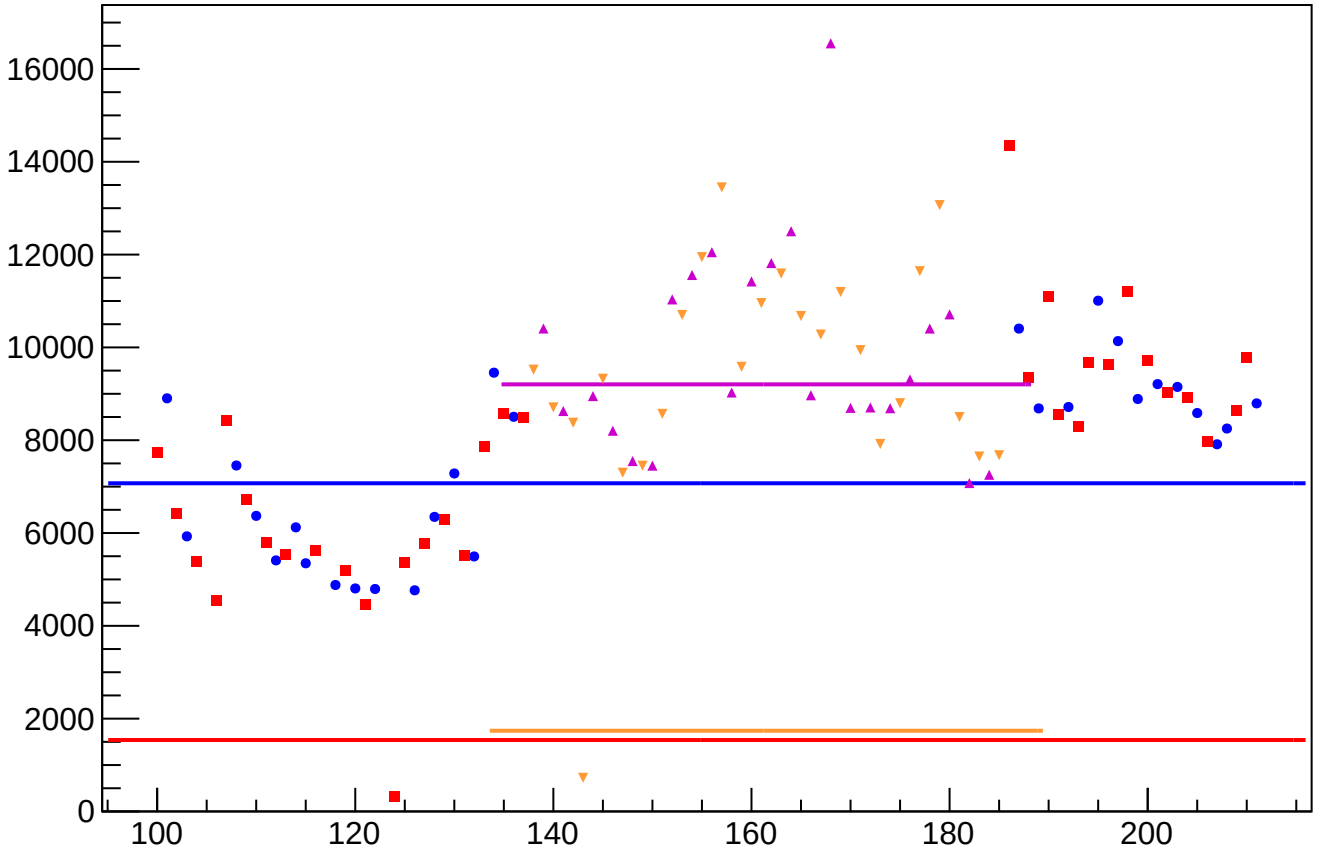
Left In: 209.500+/-2195.055 χ^2/NDF:13.4/22

+ sign -1035.577+/-698.220 χ^2/NDF: 61.6/52

All: -566.357+/-495.293 χ^2/NDF: 118.3/108

- sign -91.094+/-702.702 χ^2/NDF: 55.8/55

asym_atl2_eigen_cor_correction_rms vs Slug



Right In: 7072.161+/-1.271 χ^2/NDF: 2108484.8/27

Left Out: 1739.457+/-0.536 χ^2/NDF:27735092.1/24

Right Out: 1539.443+/-0.524 χ^2/NDF: 27221407.2/32

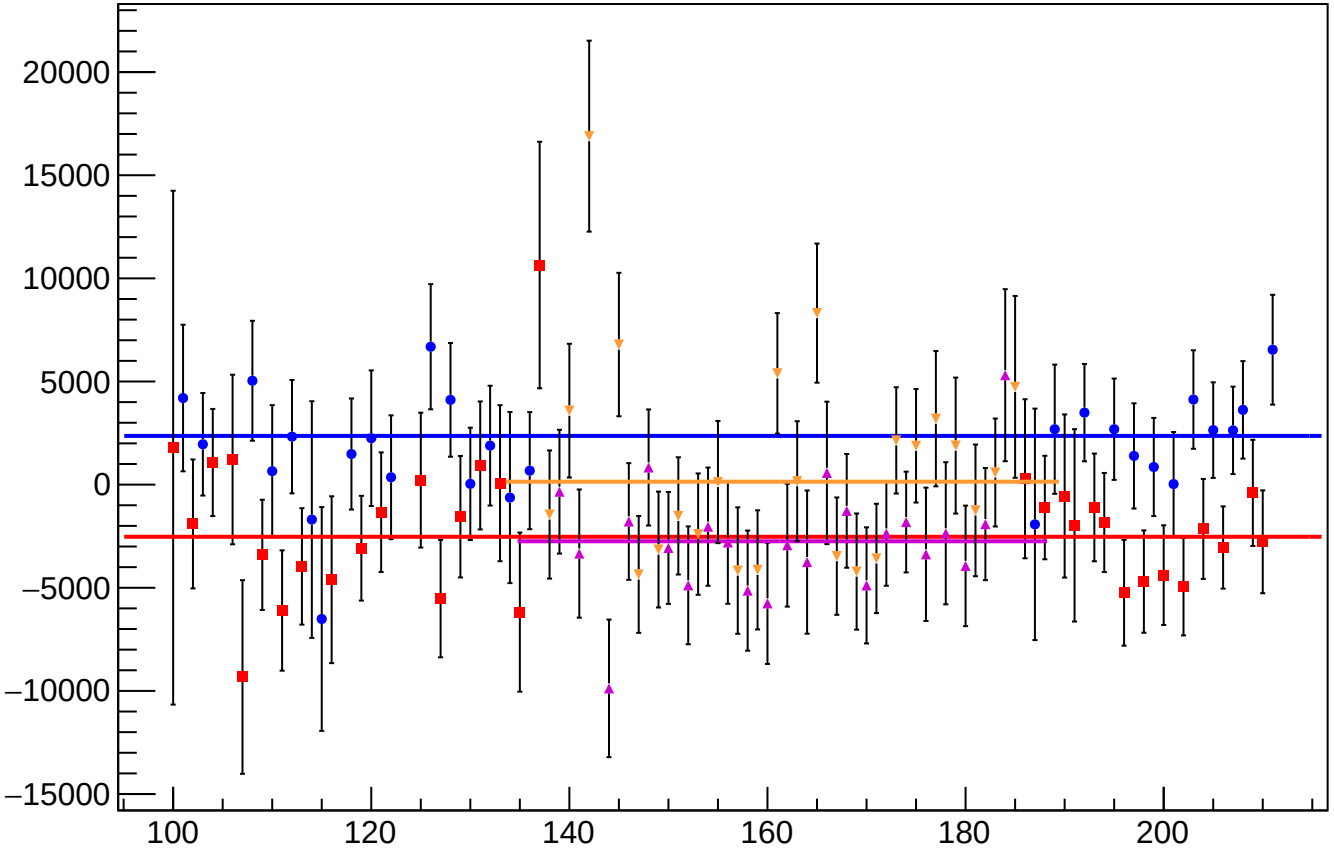
Left In: 9203.744+/-1.552 χ^2/NDF:1272079.0/22

+ sign 2544.225+/-0.494 χ^2/NDF: 44792720.3/52

All: 2435.265+/-0.350 χ^2/NDF: 95268256.6/1

- sign 2324.902+/-0.497 χ^2/NDF: 50377498.1/55

dit_asym_atl2_mean vs Slug



Right In: 2362.728+/-531.336 χ^2/NDF: 14.8/27

Left Out: 142.497+/-615.731 χ^2/NDF:45.8/23

Right Out: -2527.725+/-517.397 χ^2/NDF: 22.6/31

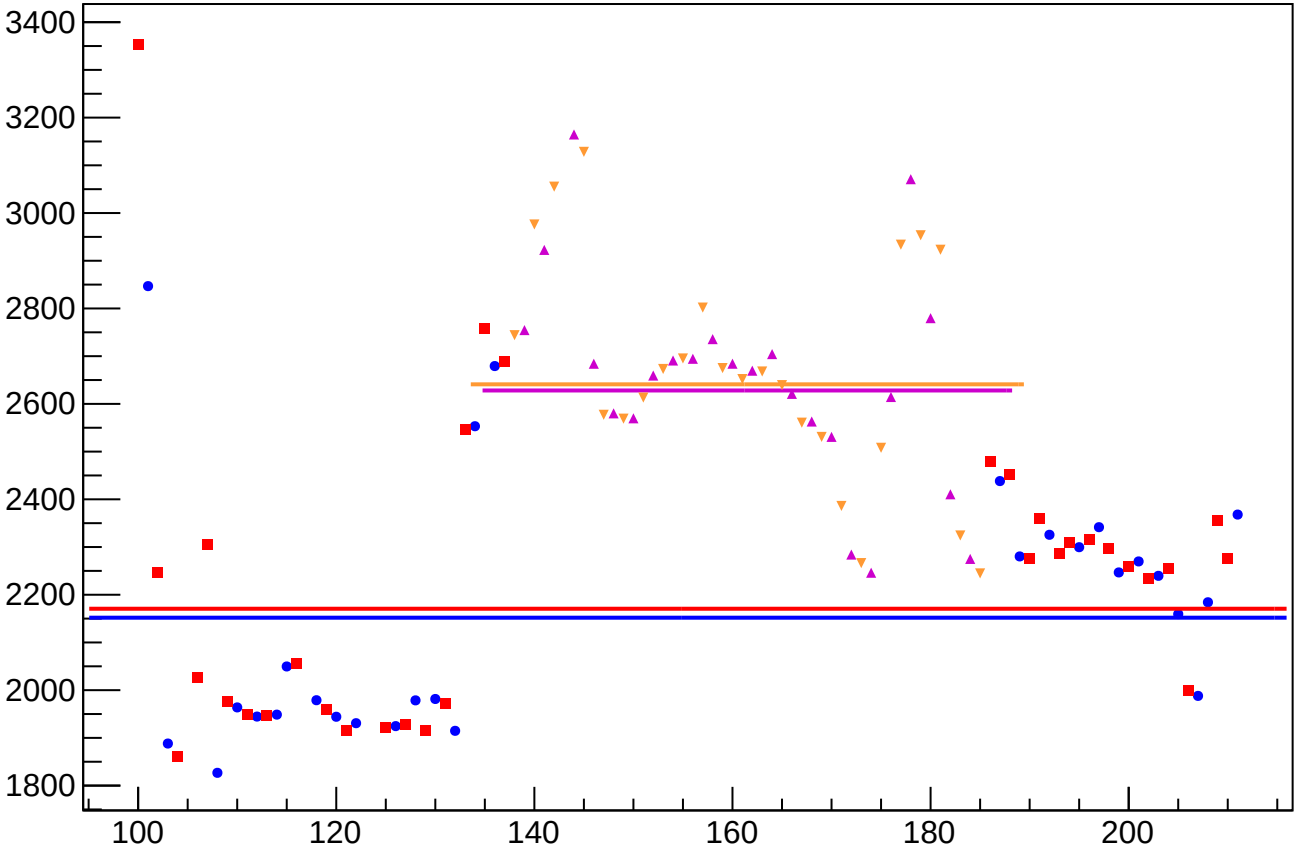
Left In: -2745.982+/-616.123 χ^2/NDF:15.4/22

+ sign 1415.085+/-402.267 χ^2/NDF: 68.0/51

All: -631.993+/-282.283 χ^2/NDF: 157.1/106

- sign -2617.987+/-396.220 χ^2/NDF: 38.1/54

dit_asym_atl2_rms vs Slug



Right In: 2151.904+/-0.376 χ^2/NDF: 374184.3/27

Left Out: 2640.990+/-0.435 χ^2/NDF:253402.6/23

Right Out: 2170.673+/-0.366 χ^2/NDF: 348125.7/31

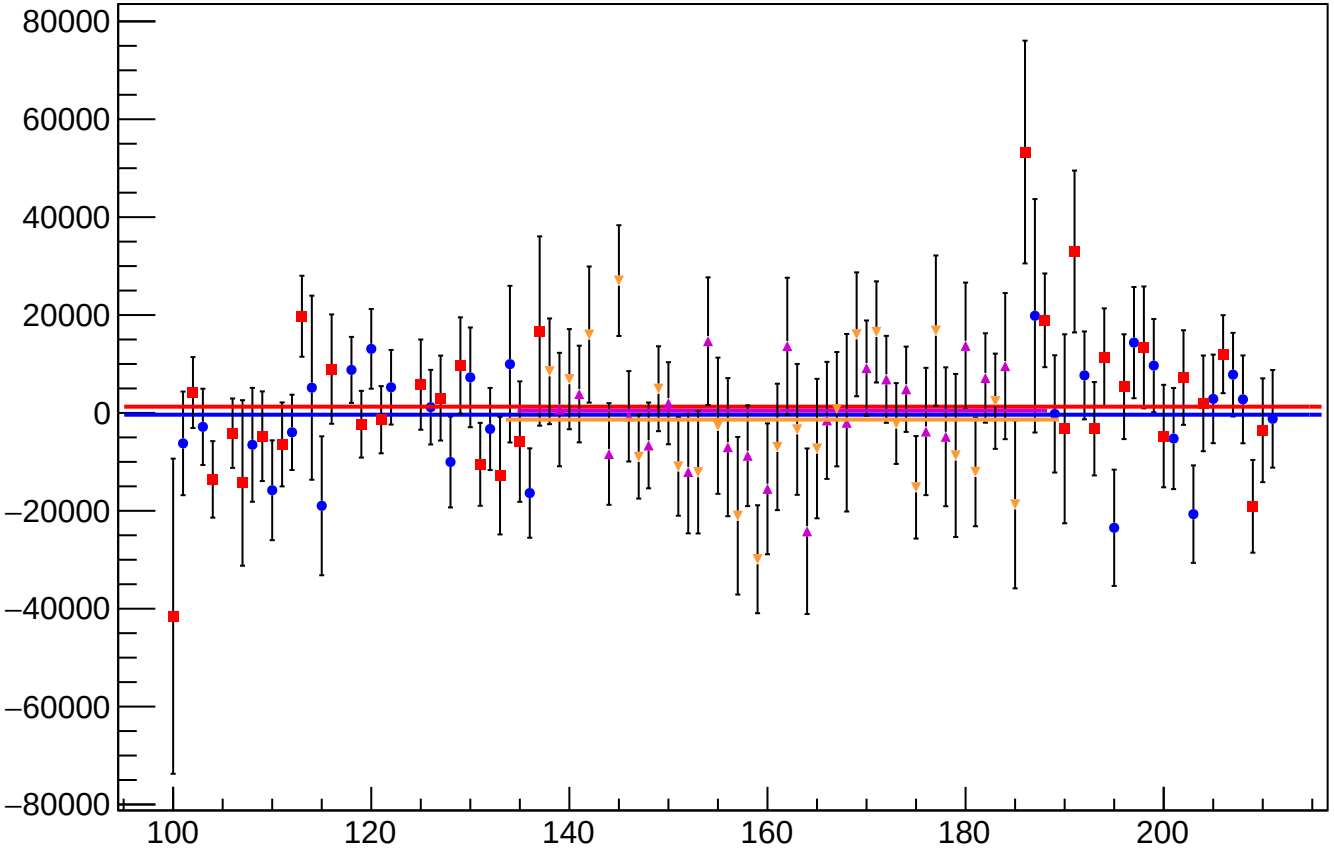
Left In: 2628.113+/-0.436 χ^2/NDF:237507.6/22

+ sign 2360.657+/-0.284 χ^2/NDF: 1350870.0/51

All: 2360.171+/-0.200 χ^2/NDF: 2583402.1/10

- sign 2359.701+/-0.280 χ^2/NDF: 1232526.3/54

asym_atl2_dit_correction_mean vs Slug



Right In: -364.392+/-1811.423 χ^2/NDF: 29.1/27

Left Out: -1366.840+/-2326.289 χ^2/NDF:31.3/23

Right Out: 1278.405+/-1721.454 χ^2/NDF: 41.4/31

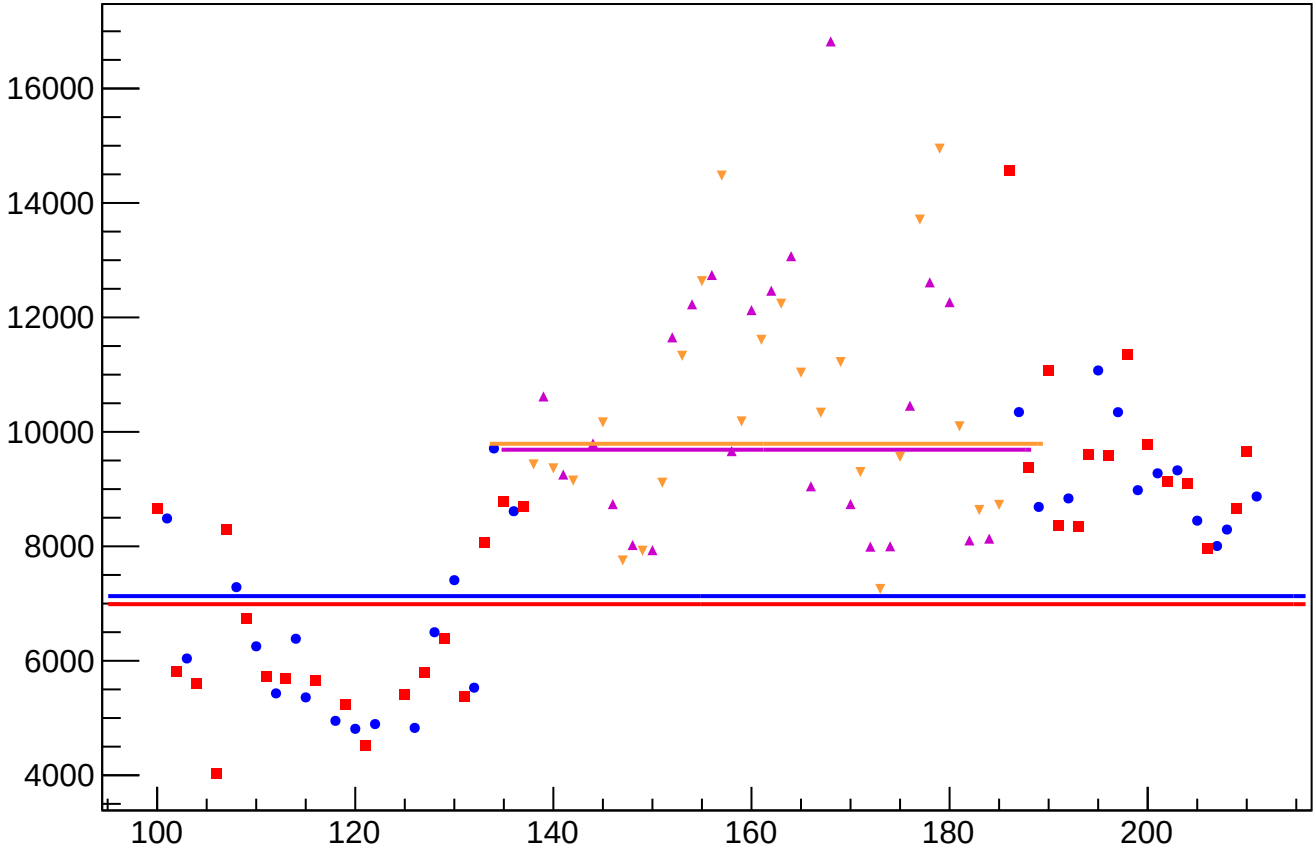
Left In: 463.775+/-2314.478 χ^2/NDF:13.1/22

\+ sign -742.781+/-1429.229 χ^2/NDF: 60.4/51

All: 152.264+/-993.231 χ^2/NDF: 115.8/106

\- sign 988.259+/-1381.279 χ^2/NDF: 54.6/54

asym_atl2_dit_correction_rms vs Slug



Right In: 7130.393+/-1.281 χ^2/NDF: 2073363.1/27

Left Out: 9792.234+/-1.645 χ^2/NDF:1219062.5/23

Right Out: 6989.304+/-1.217 χ^2/NDF: 2785243.8/31

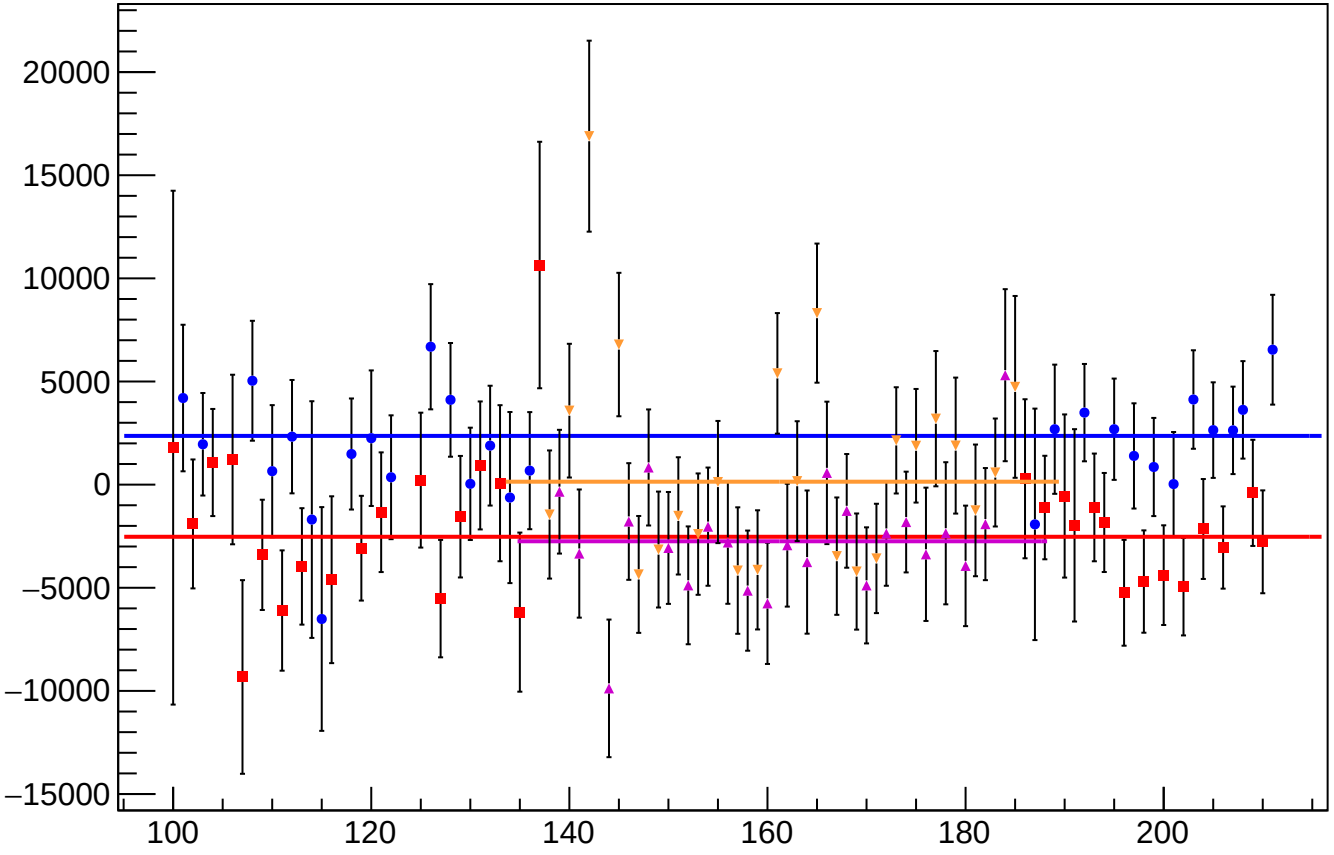
Left In: 9688.179+/-1.637 χ^2/NDF:1378173.6/22

+ sign 8135.144+/-1.011 χ^2/NDF: 4922587.9/51

All: 8039.704+/-0.702 χ^2/NDF: 10854152.8/1

- sign 7950.560+/-0.977 χ^2/NDF: 5914316.5/54

eigen_dit_asym_atl2_mean vs Slug



Right In: 2362.730+/-531.336 χ^2/NDF: 14.8/27

Left Out: 142.487+/-615.732 χ^2/NDF:45.8/23

Right Out: -2527.722+/-517.397 χ^2/NDF: 22.6/31

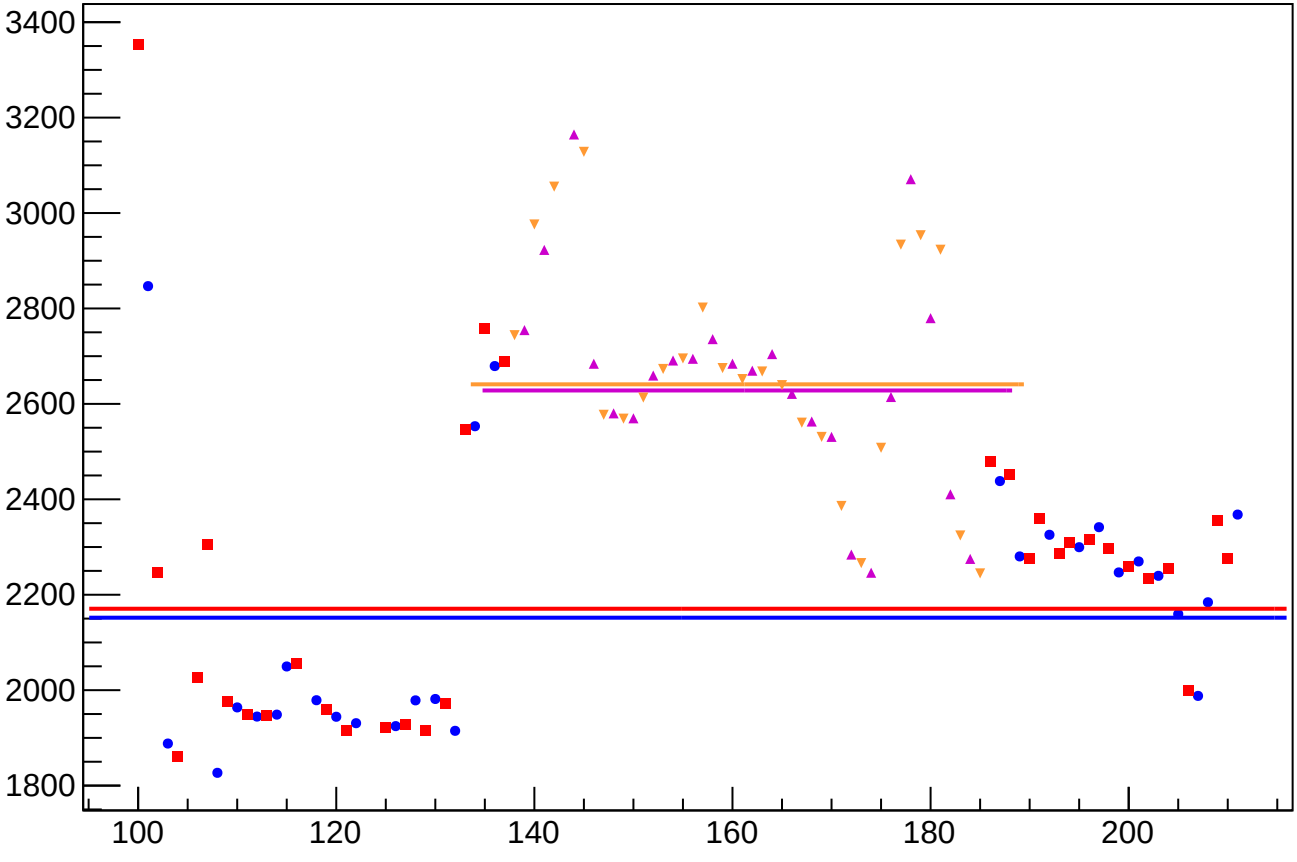
Left In: -2745.980+/-616.124 χ^2/NDF:15.4/22

+ sign 1415.083+/-402.267 χ^2/NDF: 68.0/51

All: -631.992+/-282.283 χ^2/NDF: 157.1/106

- sign -2617.984+/-396.220 χ^2/NDF: 38.1/54

eigen_dit_asym_atl2_rms vs Slug



Right In: 2151.905+/-0.376 χ^2/NDF: 374184.3/27

Left Out: 2640.993+/-0.435 χ^2/NDF:253411.8/23

Right Out: 2170.673+/-0.366 χ^2/NDF: 348126.3/31

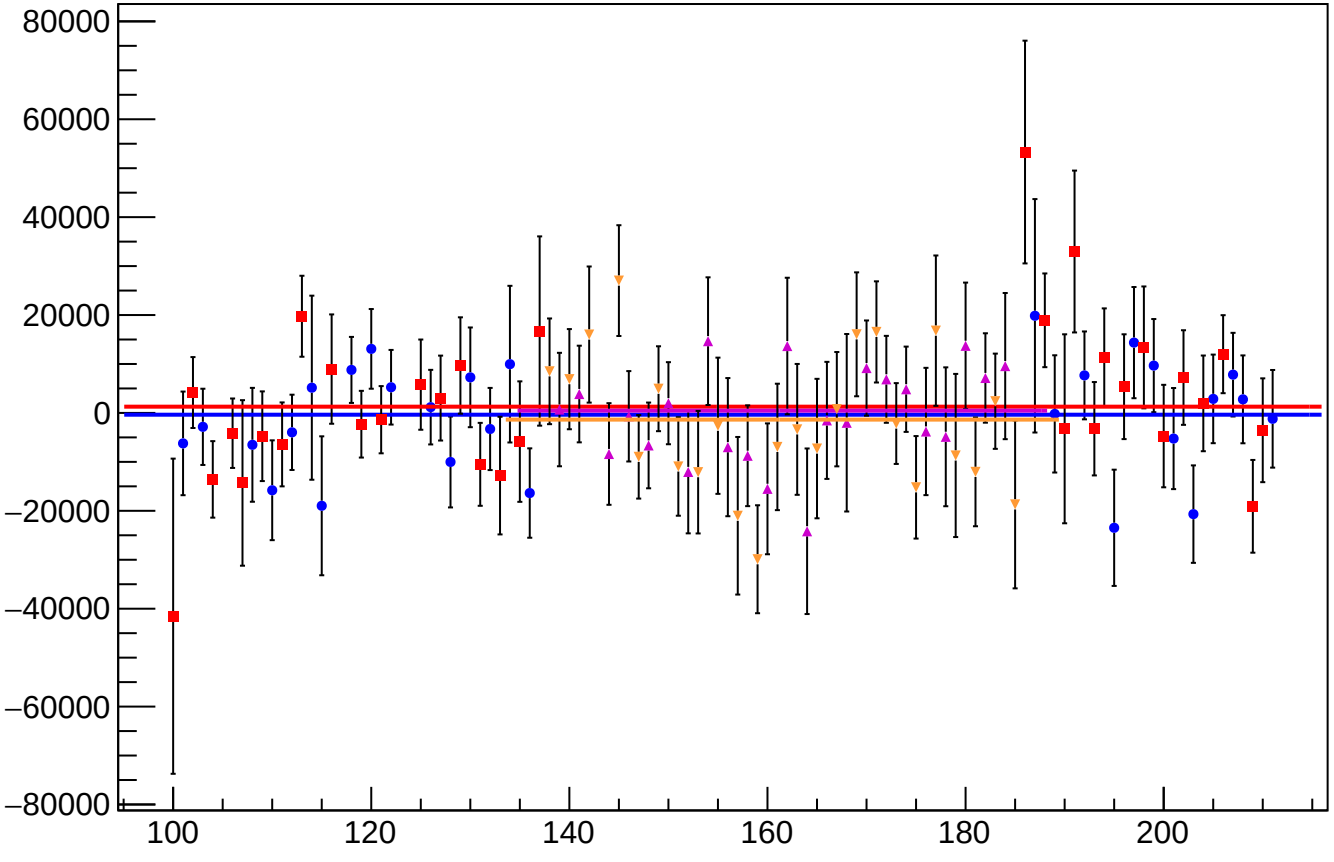
Left In: 2628.116+/-0.436 χ^2/NDF:237516.8/22

+ sign 2360.658+/-0.284 χ^2/NDF: 1350884.6/51

All: 2360.172+/-0.200 χ^2/NDF: 2583432.1/10

- sign 2359.701+/-0.280 χ^2/NDF: 1232541.9/54

asym_atl2_eigen_dit_correction_mean vs Slug



Right In: -364.386+/-1811.422 χ^2/NDF: 29.1/27

Left Out: -1366.849+/-2326.293 χ^2/NDF:31.3/23

Right Out: 1278.393+/-1721.452 χ^2/NDF: 41.4/31

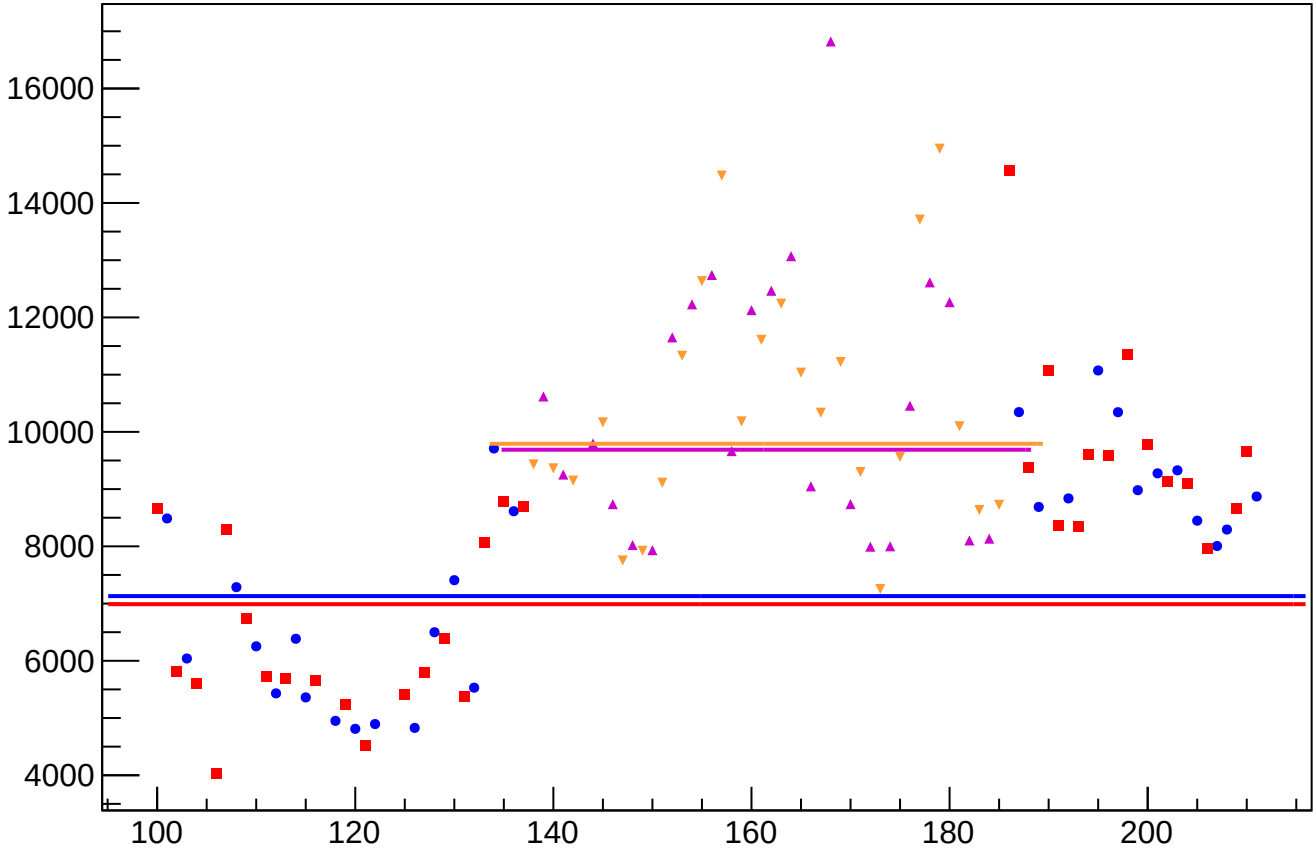
Left In: 463.777+/-2314.482 χ^2/NDF:13.1/22

+ sign -742.779+/-1429.229 χ^2/NDF: 60.4/51

All: 152.262+/-993.231 χ^2/NDF: 115.8/106

- sign 988.253+/-1381.279 χ^2/NDF: 54.6/54

asym_atl2_eigen_dit_correction_rms vs Slug



Right In: 7130.381+/-1.281 χ^2/NDF: 2073405.6/27

Left Out: 9792.251+/-1.645 χ^2/NDF:1219062.8/23

Right Out: 6989.291+/-1.217 χ^2/NDF: 2785280.6/31

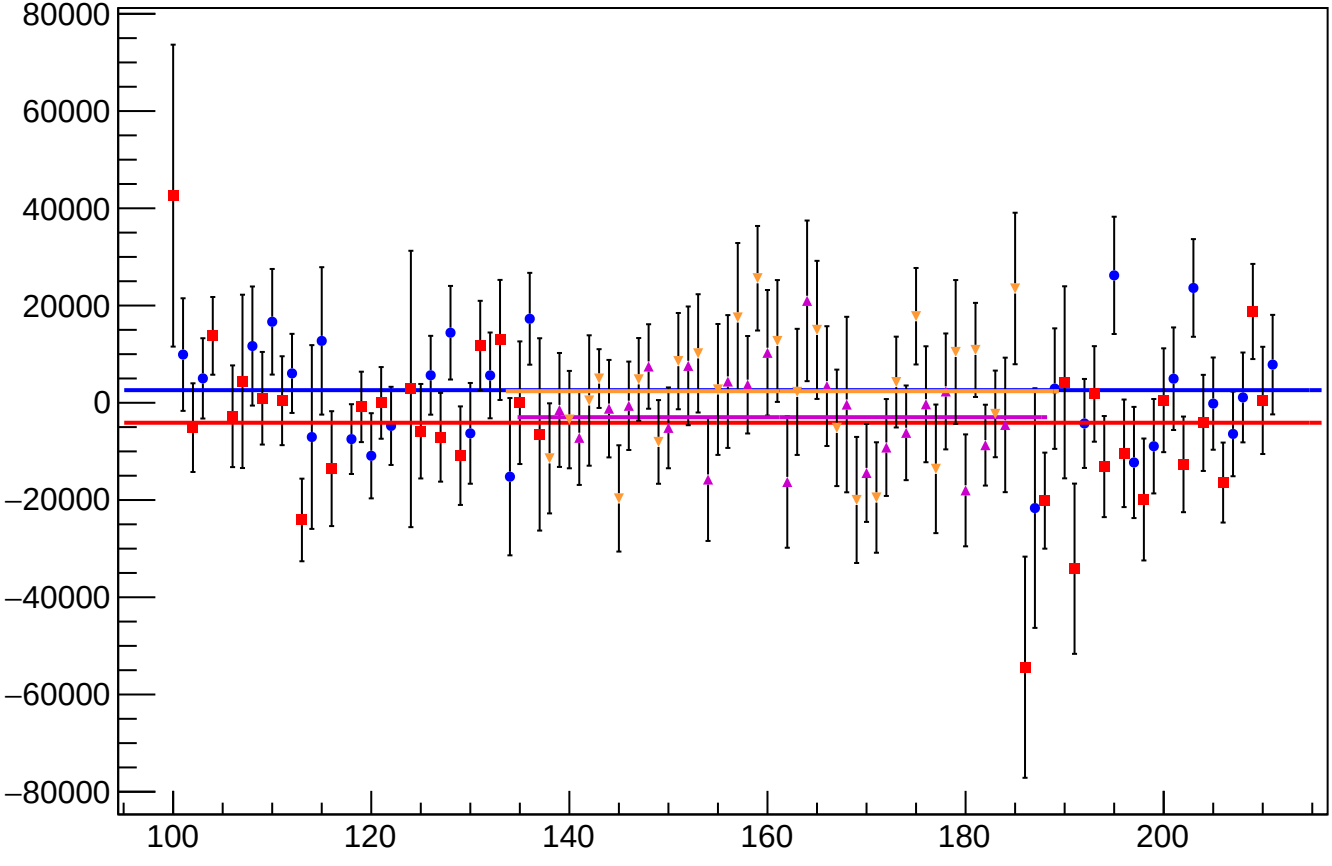
Left In: 9688.194+/-1.637 χ^2/NDF:1378175.1/22

+ sign 8135.140+/-1.011 χ^2/NDF: 4922662.6/51

All: 8039.699+/-0.702 χ^2/NDF: 10854300.0/1

- sign 7950.554+/-0.977 χ^2/NDF: 5914388.6/54

asym_atl2_mean vs Slug



Right In: 2596.705+/-1888.670 χ^2/NDF: 29.2/27

Left Out: 2387.857+/-2136.530 χ^2/NDF:29.7/24

Right Out: -4105.760+/-1831.177 χ^2/NDF: 42.9/32

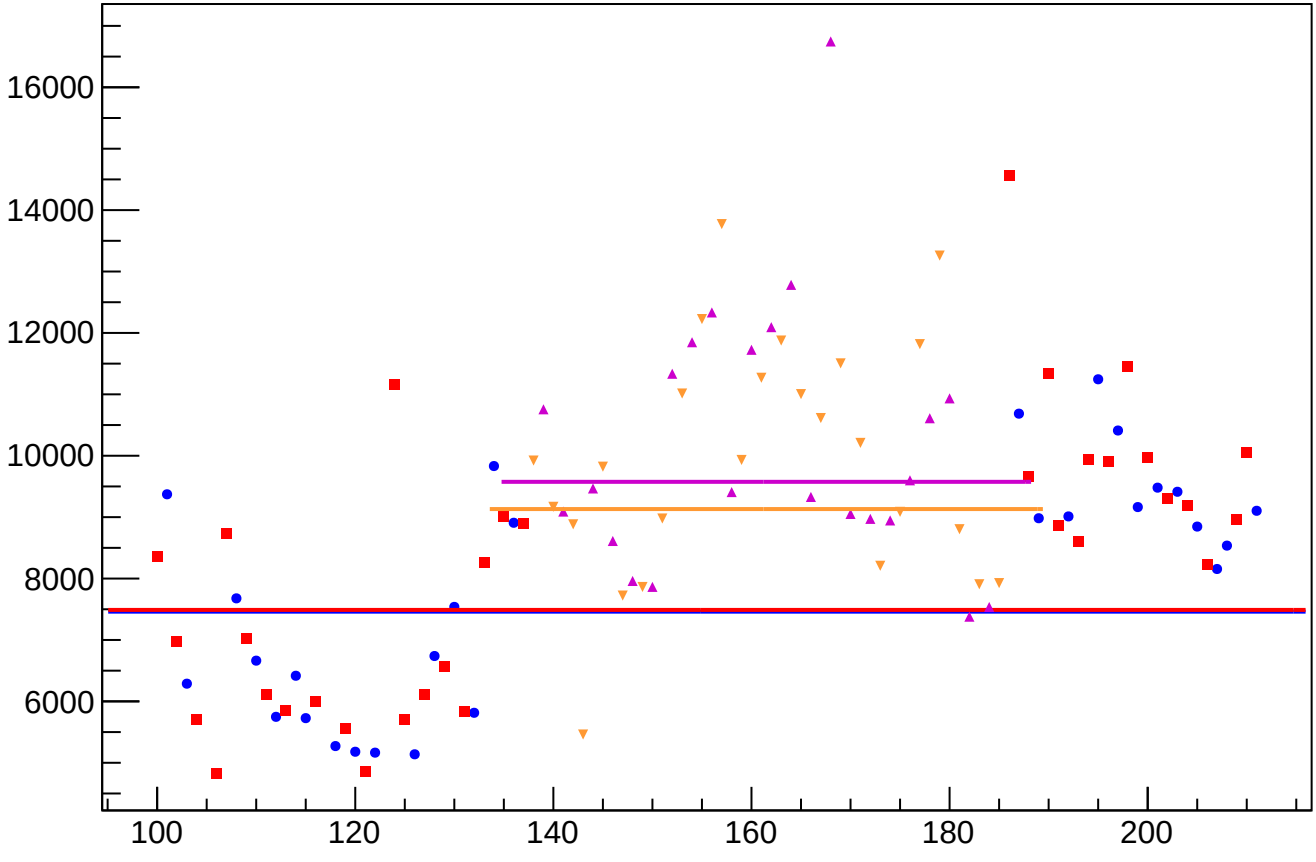
Left In: -2963.537+/-2278.927 χ^2/NDF:13.0/22

+ sign 2505.093+/-1415.047 χ^2/NDF: 59.0/52

All: -549.373+/-1004.946 χ^2/NDF: 124.4/108

- sign -3657.622+/-1427.451 χ^2/NDF: 56.0/55

asym_atl2_rms vs Slug



Right In: 7461.198+/-1.335 χ^2/NDF: 1843445.1/27

Left Out: 9131.714+/-1.511 χ^2/NDF:1811661.2/24

Right Out: 7489.347+/-1.295 χ^2/NDF: 2290005.5/32

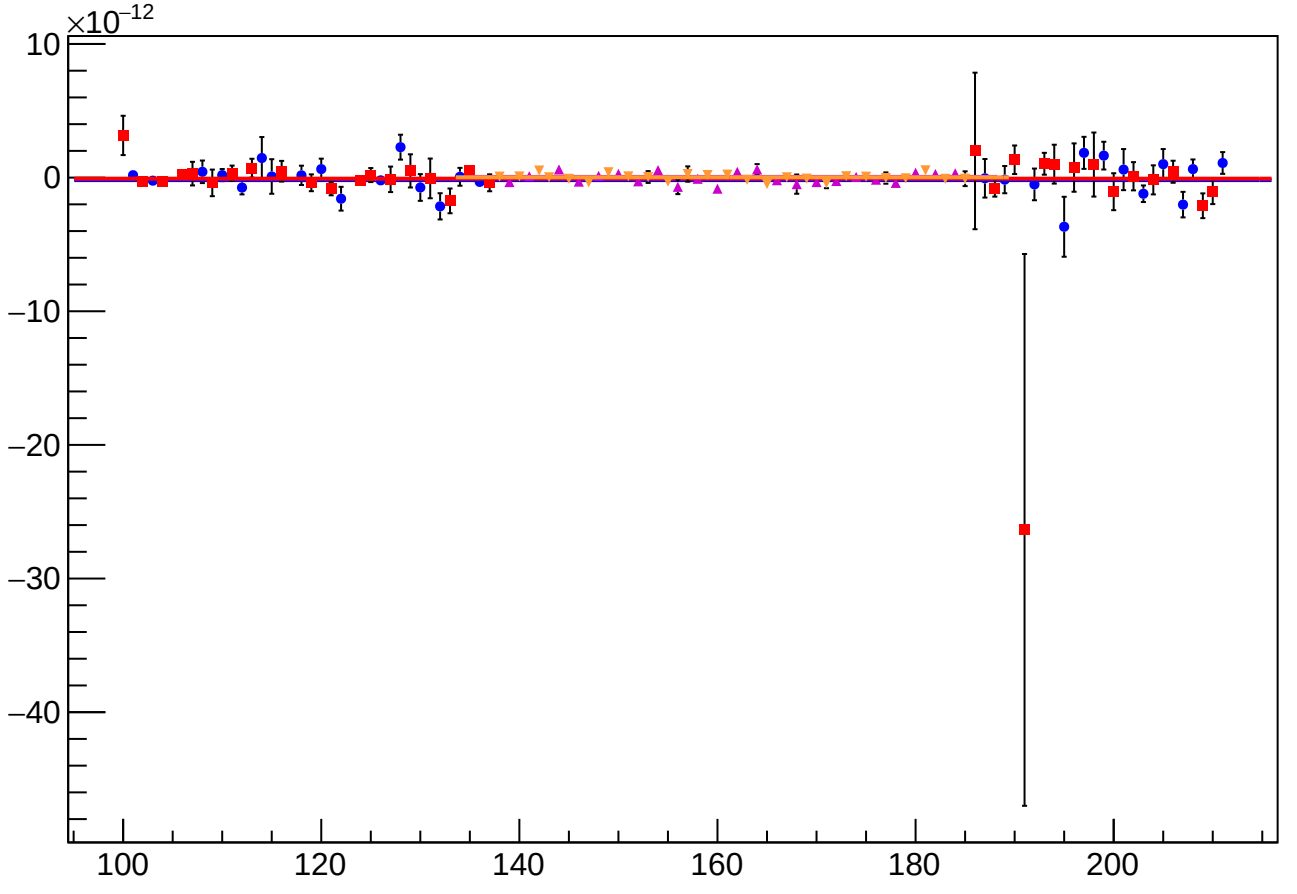
Left In: 9575.233+/-1.611 χ^2/NDF:1153802.3/22

+ sign 8193.979+/-1.001 χ^2/NDF: 4341452.3/52

All: 8250.353+/-0.711 χ^2/NDF: 8809815.8/10

- sign 8307.720+/-1.009 χ^2/NDF: 4461959.0/55

asym_atl2_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 41.0/27

Left Out: 0.000+/-0.000 χ^2/NDF:17.9/24

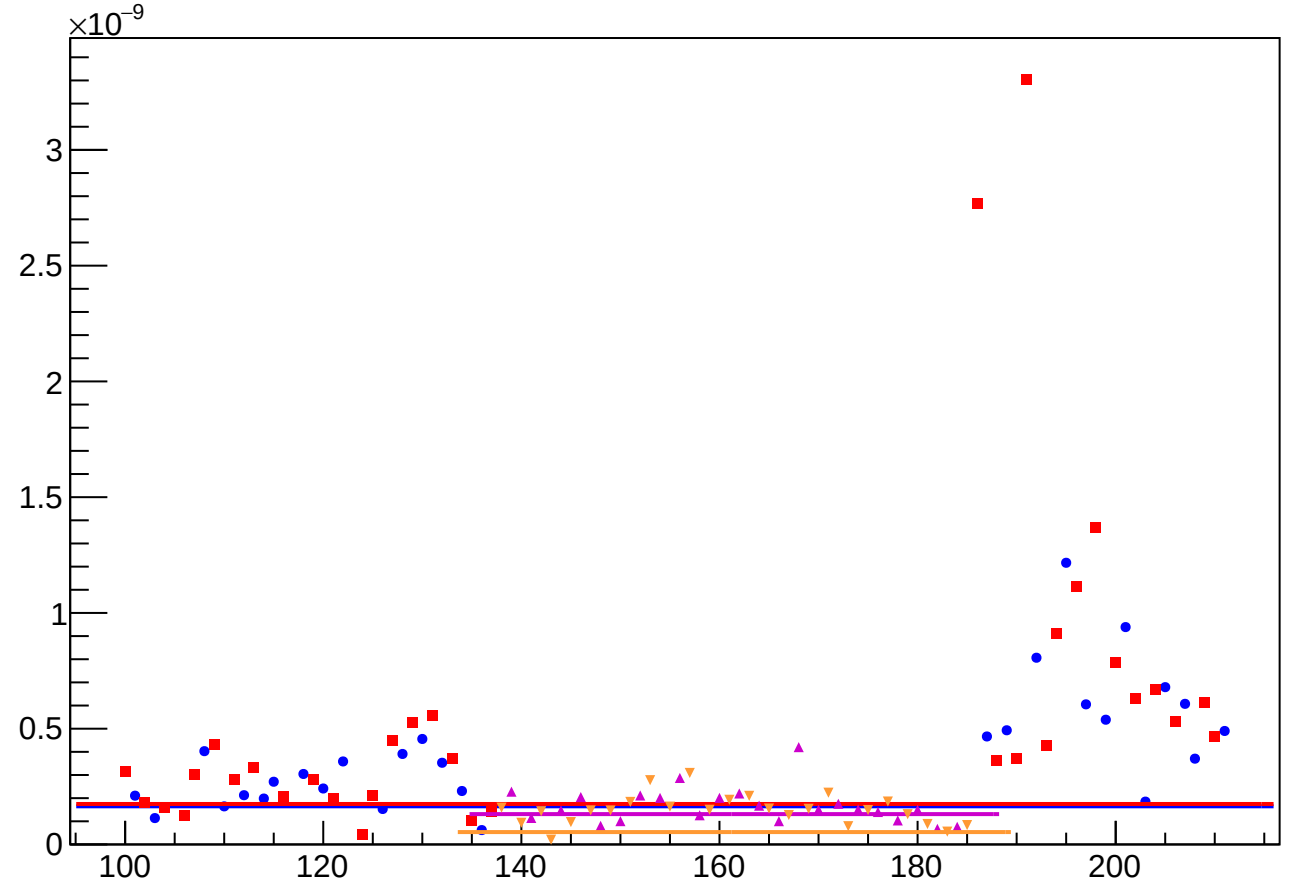
Right Out: -0.000+/-0.000 χ^2/NDF: 35.3/32

Left In: 0.000+/-0.000 χ^2/NDF:36.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 63.8/52

All: 0.000+/-0.000 χ^2/NDF: 137.4/108

- sign 0.000+/-0.000 χ^2/NDF: 73.6/55



Right In: 0.000+/-0.000 χ^2/NDF: 5688522.4/27

Left Out: 0.000+/-0.000 χ^2/NDF:7244510.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7287542.0/32

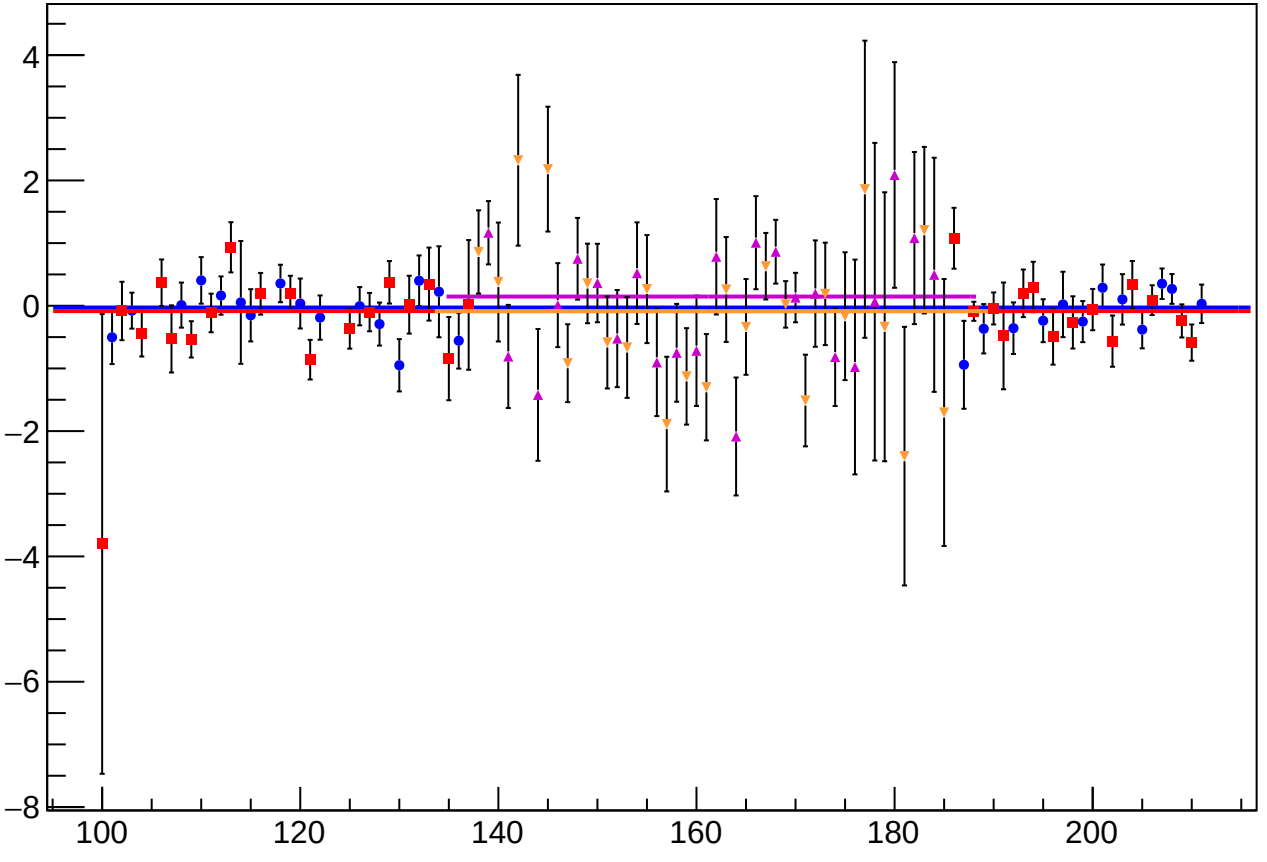
Left In: 0.000+/-0.000 χ^2/NDF:1904207.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 15672436.5/52

All: 0.000+/-0.000 χ^2/NDF: 29321705.5/108

- sign 0.000+/-0.000 χ^2/NDF: 9531406.2/55

asym_atl2_dit_vs_cor_diff_mean vs Slug



Right In: -0.028+/-0.067 χ^2/NDF: 23.3/27

Left Out: -0.085+/-0.161 χ^2/NDF:30.2/23

Right Out: -0.085+/-0.060 χ^2/NDF: 40.3/31

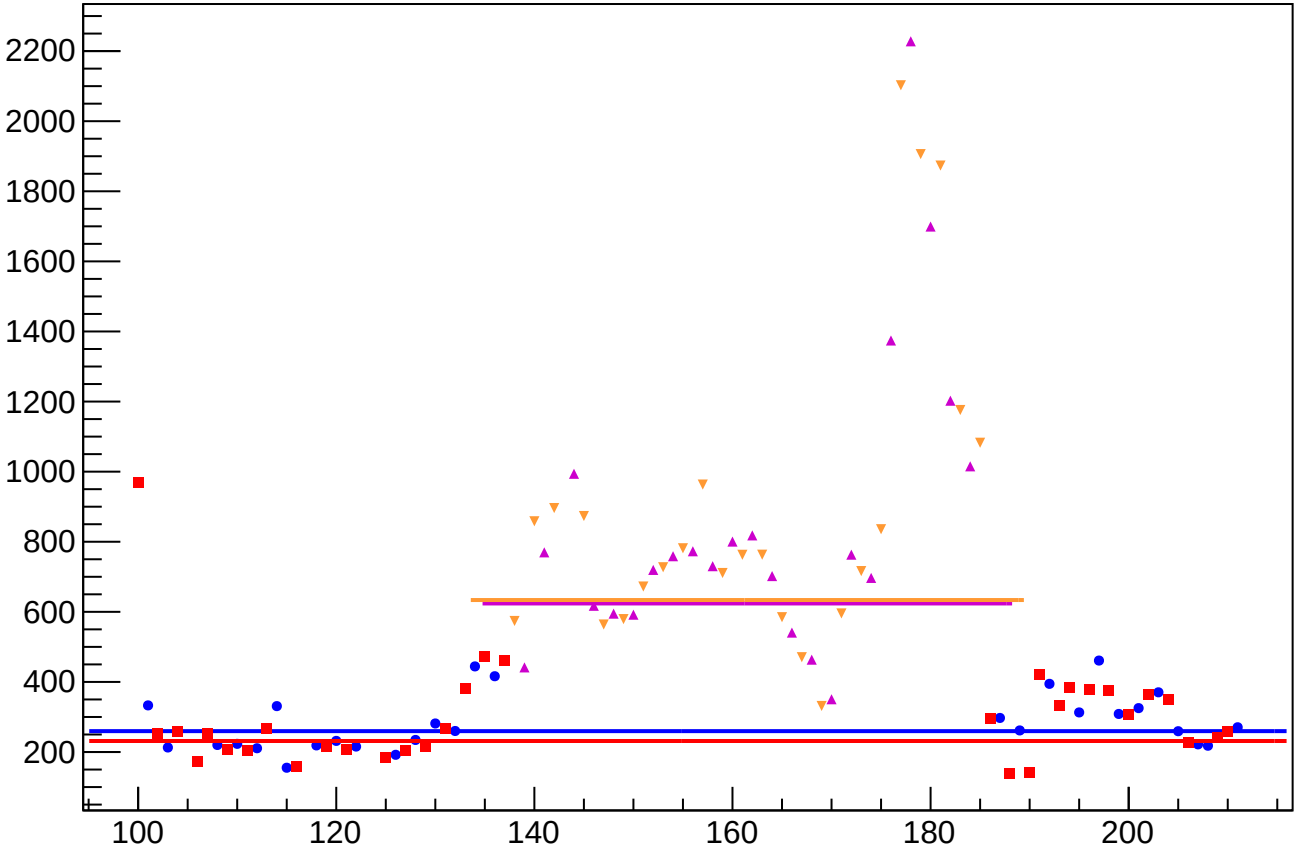
Left In: 0.147+/-0.158 χ^2/NDF:26.4/22

\+ sign -0.037+/-0.062 χ^2/NDF: 53.7/51

All: -0.047+/-0.042 χ^2/NDF: 122.3/106

\- sign -0.056+/-0.056 χ^2/NDF: 68.6/54

asym_atl2_dit_vs_cor_diff_rms vs Slug



Right In: 259.610+/-0.048 χ^2/NDF: 1850332.2/27

Left Out: 633.674+/-0.114 χ^2/NDF:4994105.8/23

Right Out: 231.469+/-0.042 χ^2/NDF: 3431318.2/31

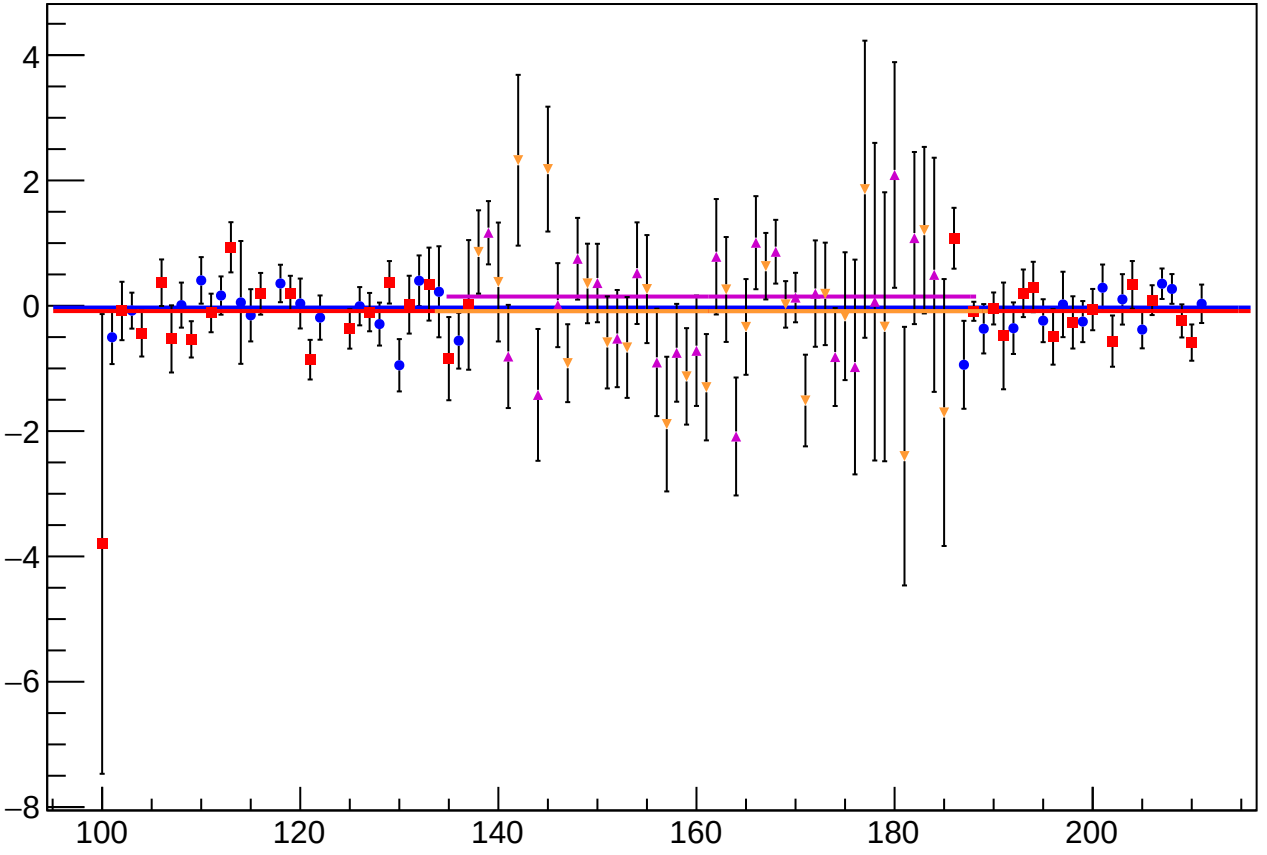
Left In: 623.916+/-0.112 χ^2/NDF:4541431.8/22

+ sign 315.275+/-0.044 χ^2/NDF: 15984961.8/51

All: 296.271+/-0.029 χ^2/NDF: 35053045.8/10

- sign 280.840+/-0.040 χ^2/NDF: 18730590.5/54

asym_atl2_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.028+/-0.067 χ^2/NDF: 23.3/27

Left Out: -0.085+/-0.161 χ^2/NDF:30.2/23

Right Out: -0.085+/-0.060 χ^2/NDF: 40.3/31

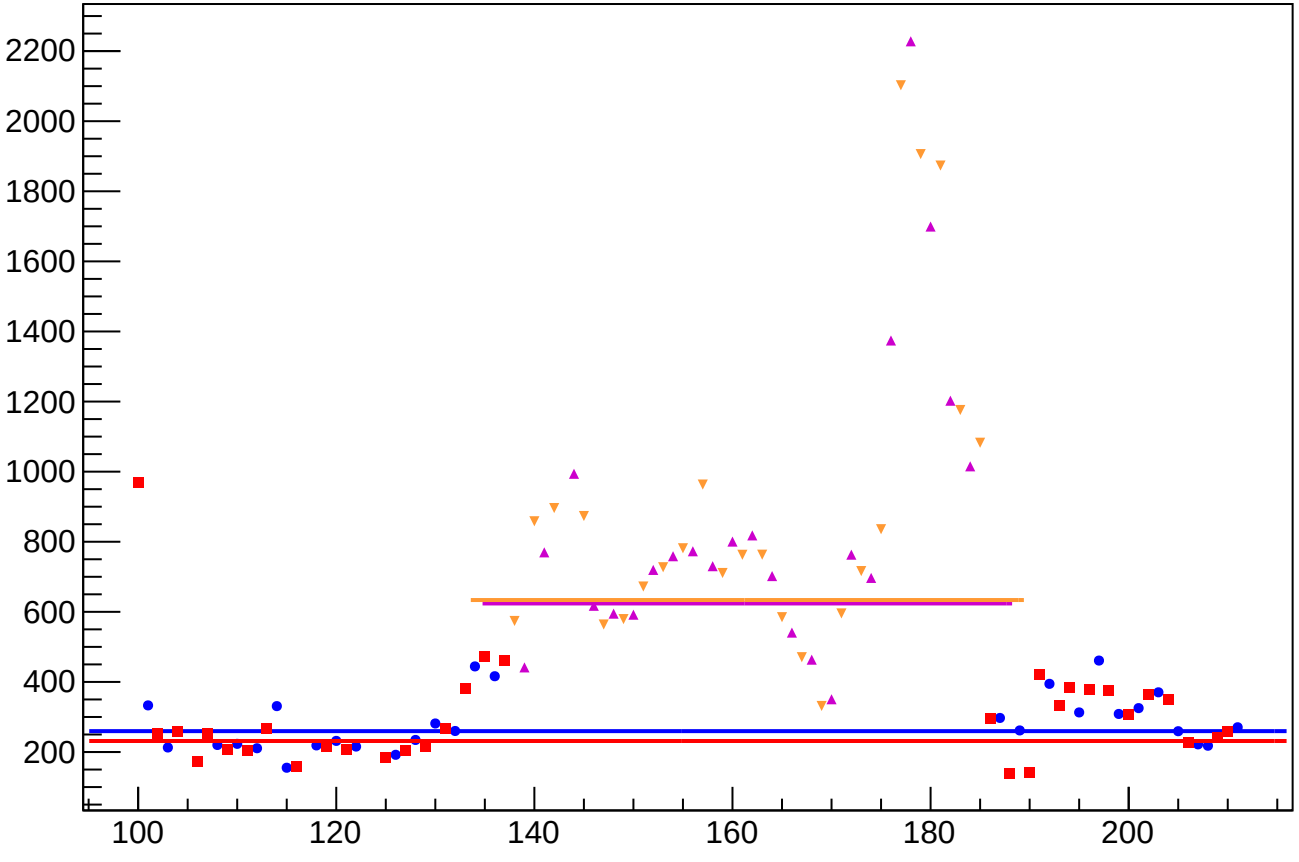
Left In: 0.147+/-0.158 χ^2/NDF:26.4/22

+ sign -0.037+/-0.062 χ^2/NDF: 53.7/51

All: -0.047+/-0.042 χ^2/NDF: 122.3/106

- sign -0.056+/-0.056 χ^2/NDF: 68.6/54

asym_atl2_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 259.610+/-0.048 χ^2/NDF: 1850332.2/27

Left Out: 633.674+/-0.114 χ^2/NDF:4994105.8/23

Right Out: 231.469+/-0.042 χ^2/NDF: 3431318.2/31

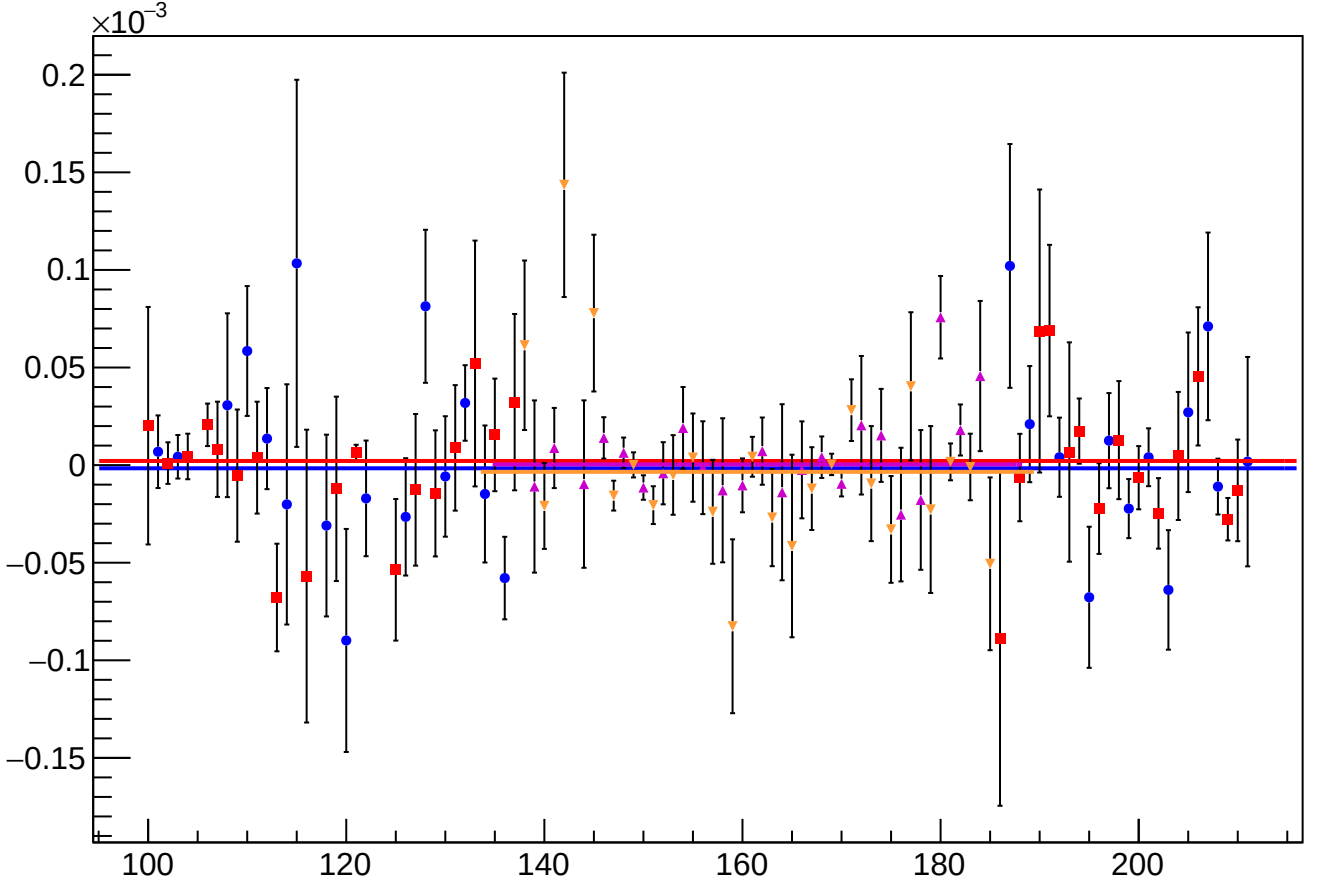
Left In: 623.916+/-0.112 χ^2/NDF:4541431.8/22

+ sign 315.275+/-0.044 χ^2/NDF: 15984961.8/51

All: 296.271+/-0.029 χ^2/NDF: 35053045.8/10

- sign 280.840+/-0.040 χ^2/NDF: 18730590.5/54

asym_atl2_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 40.8/27

Left Out: -0.000+/-0.000 χ^2/NDF:34.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 33.9/31

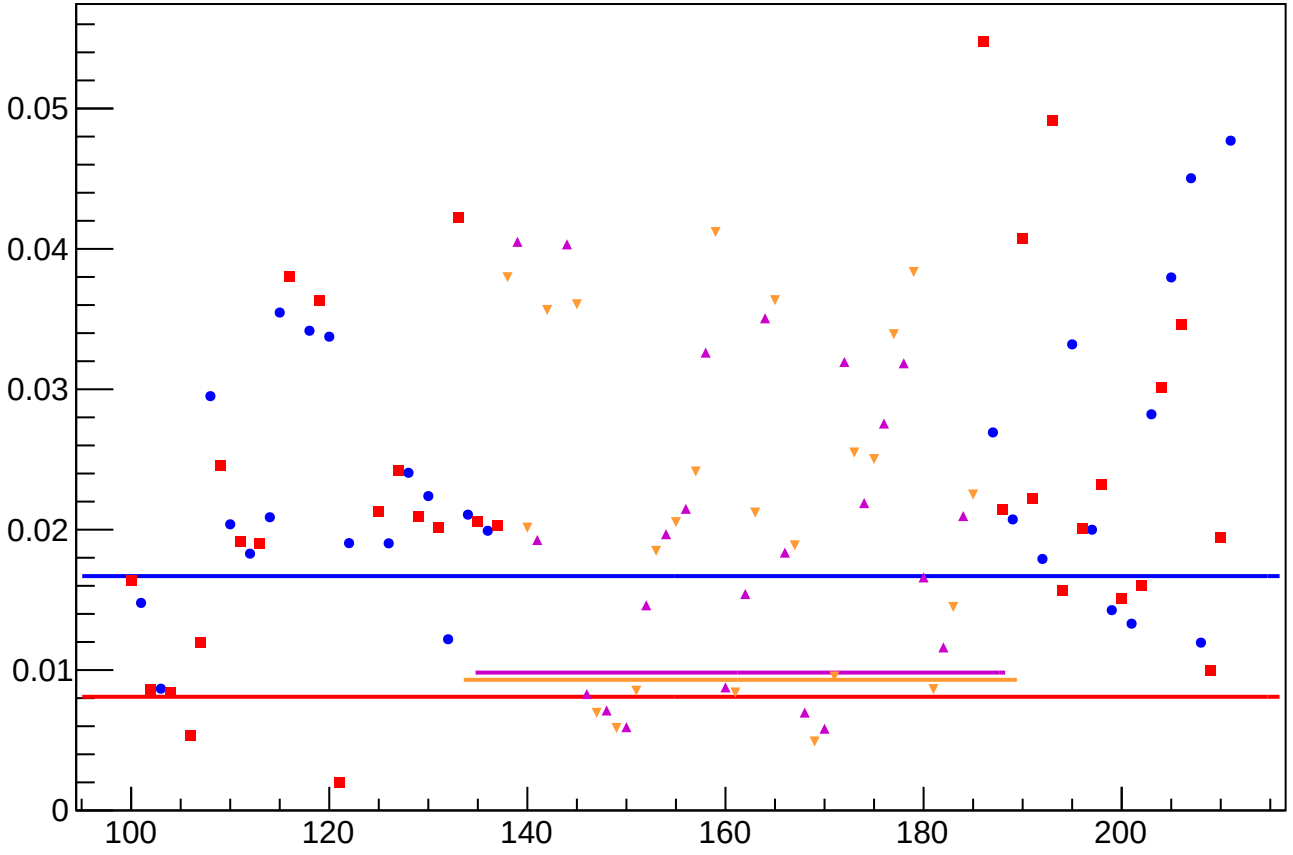
Left In: 0.000+/-0.000 χ^2/NDF:27.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 75.2/51

All: -0.000+/-0.000 χ^2/NDF: 139.0/106

- sign 0.000+/-0.000 χ^2/NDF: 62.0/54

asym_atl2_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.017+/-0.000 χ^2/NDF: 5250943.8/27

Left Out: 0.009+/-0.000 χ^2/NDF:12224529.3/23

Right Out: 0.008+/-0.000 χ^2/NDF: 16885877.3/31

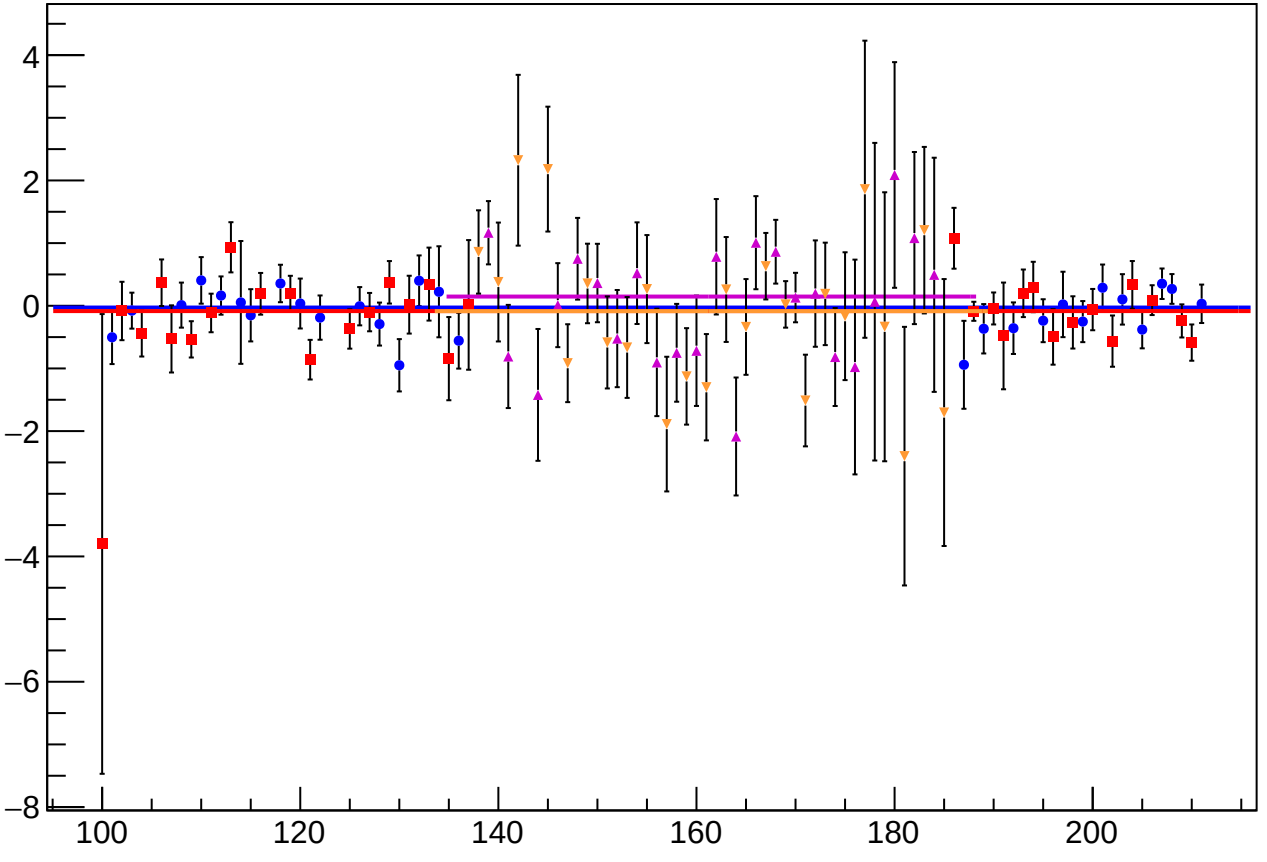
Left In: 0.010+/-0.000 χ^2/NDF:10307261.6/22

+ sign 0.011+/-0.000 χ^2/NDF: 21265413.9/51

All: 0.010+/-0.000 χ^2/NDF: 49930388.4/106

- sign 0.009+/-0.000 χ^2/NDF: 27557353.4/54

asym_atl2_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.028+/-0.067 χ^2/NDF: 23.3/27

Left Out: -0.085+/-0.161 χ^2/NDF:30.2/23

Right Out: -0.085+/-0.060 χ^2/NDF: 40.3/31

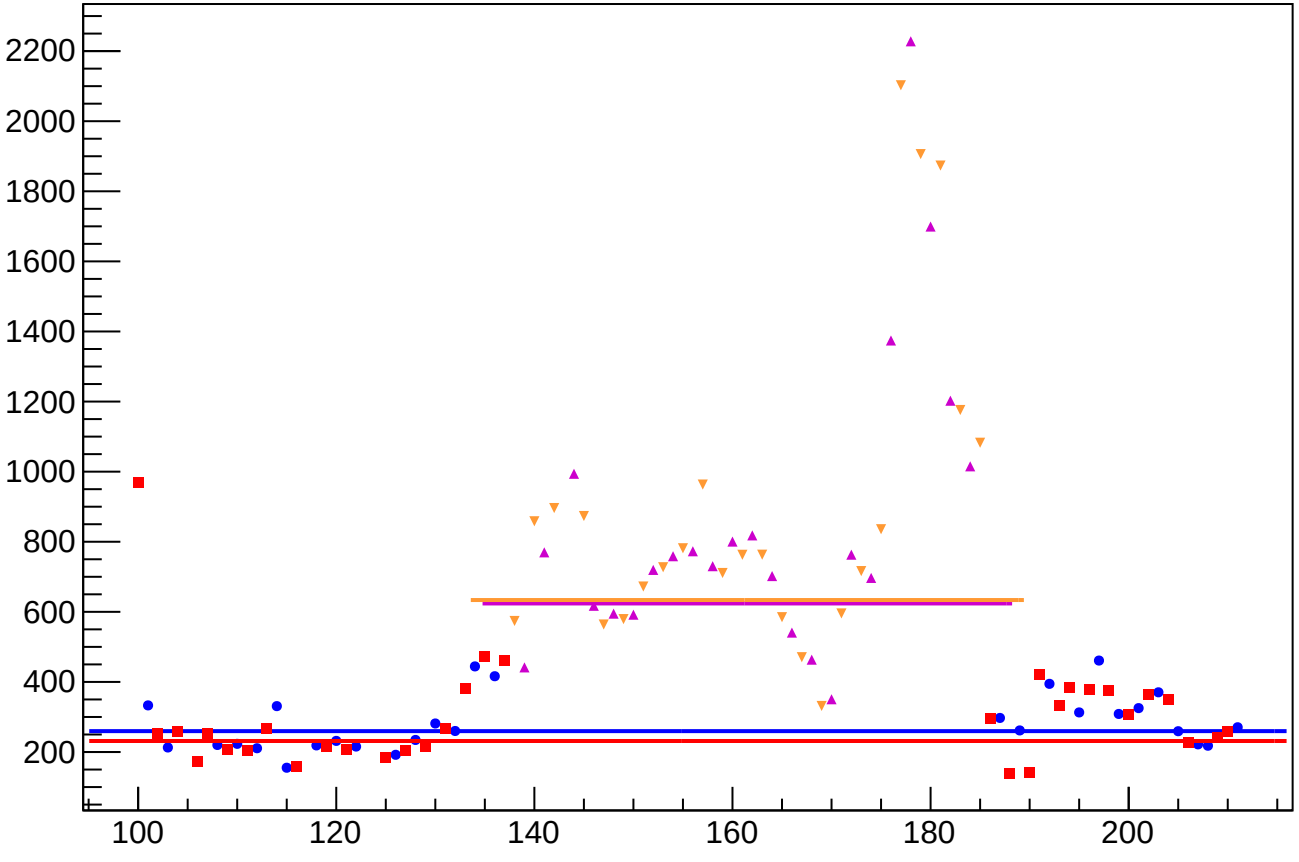
Left In: 0.147+/-0.158 χ^2/NDF:26.4/22

+ sign -0.037+/-0.062 χ^2/NDF: 53.7/51

All: -0.047+/-0.042 χ^2/NDF: 122.3/106

- sign -0.056+/-0.056 χ^2/NDF: 68.6/54

asym_atl2_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 259.612+/-0.048 χ^2/NDF: 1850310.7/27

Left Out: 633.678+/-0.114 χ^2/NDF:4994172.5/23

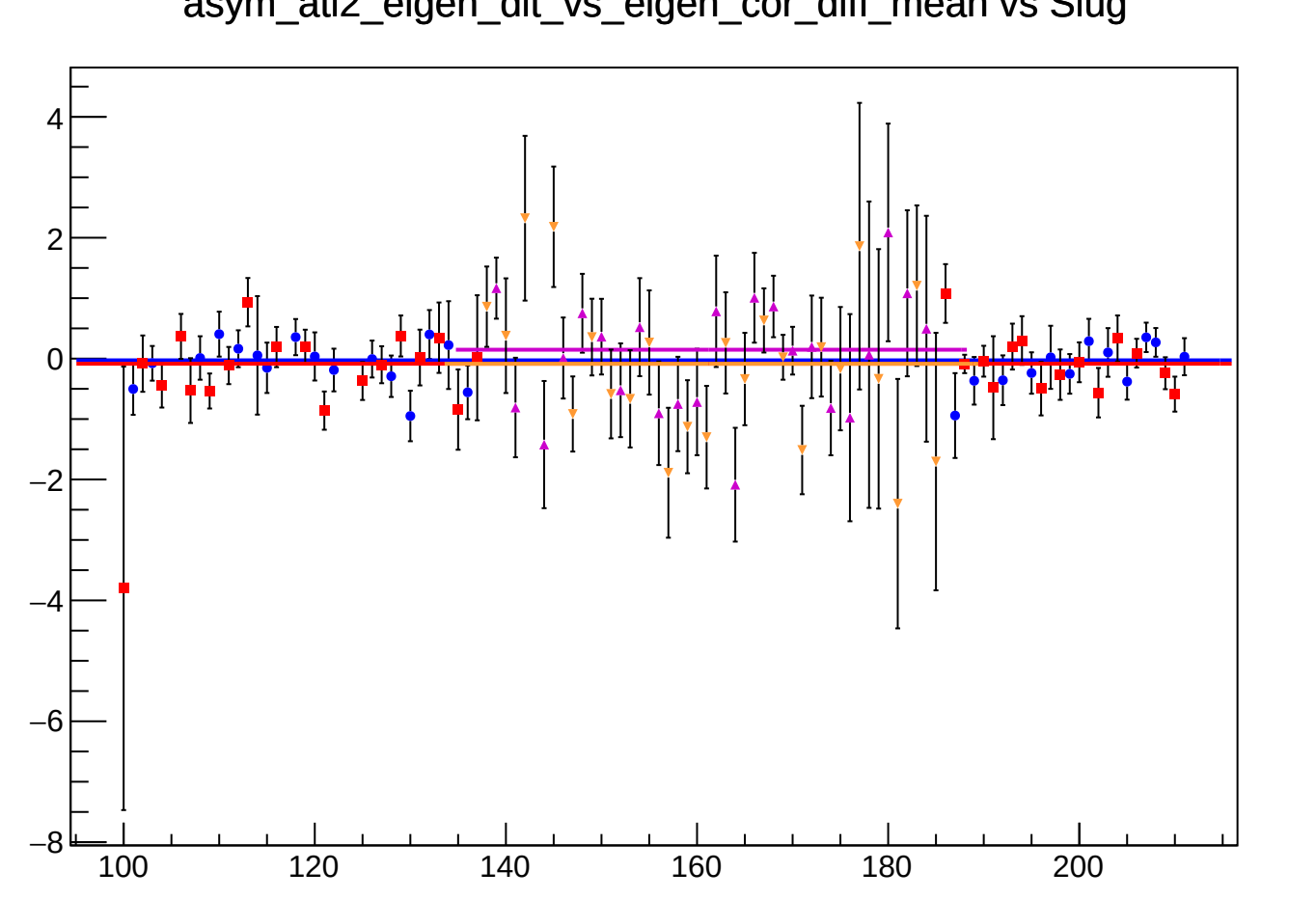
Right Out: 231.466+/-0.042 χ^2/NDF: 3431465.5/31

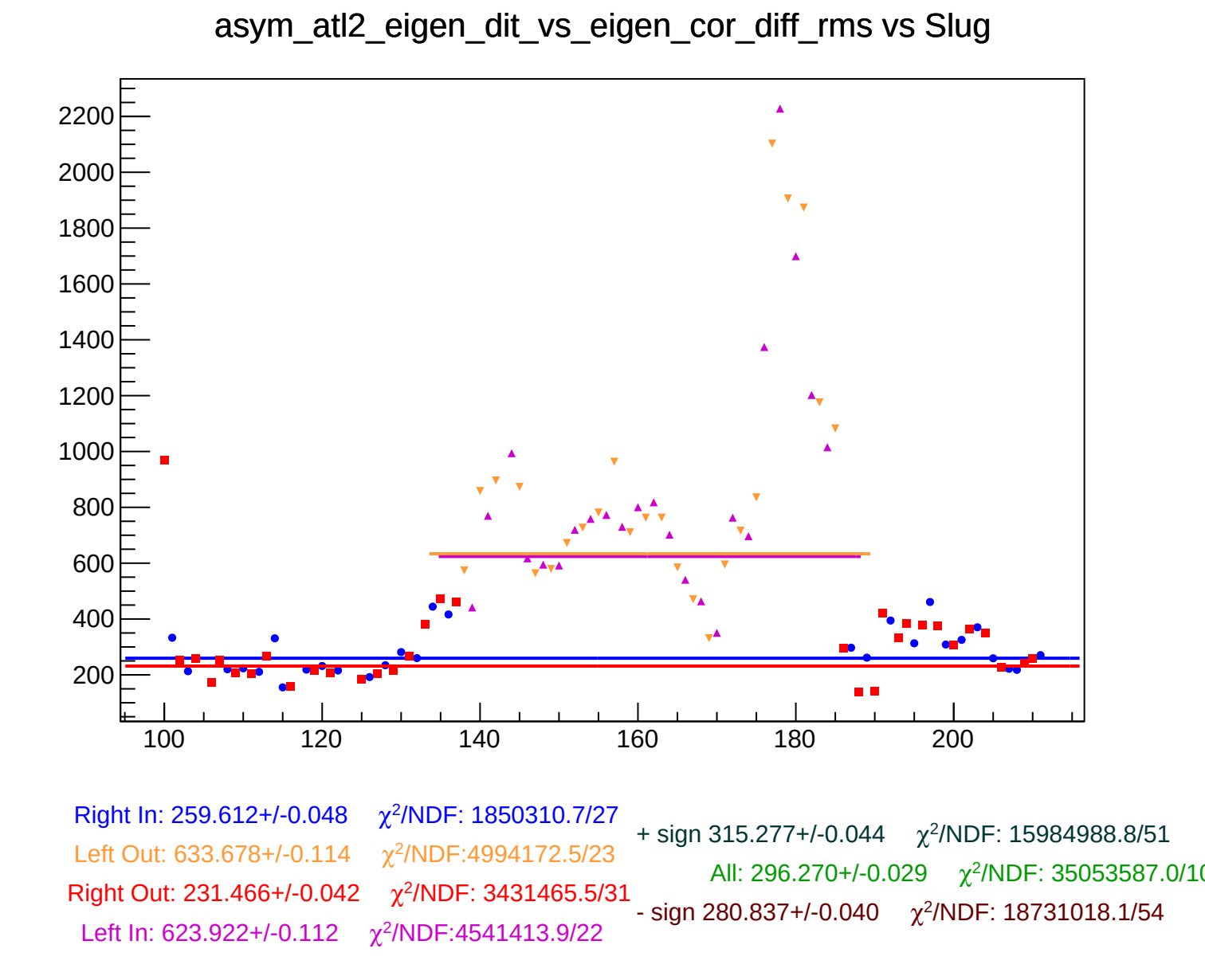
Left In: 623.922+/-0.112 χ^2/NDF:4541413.9/22

+ sign 315.277+/-0.044 χ^2/NDF: 15984988.8/51

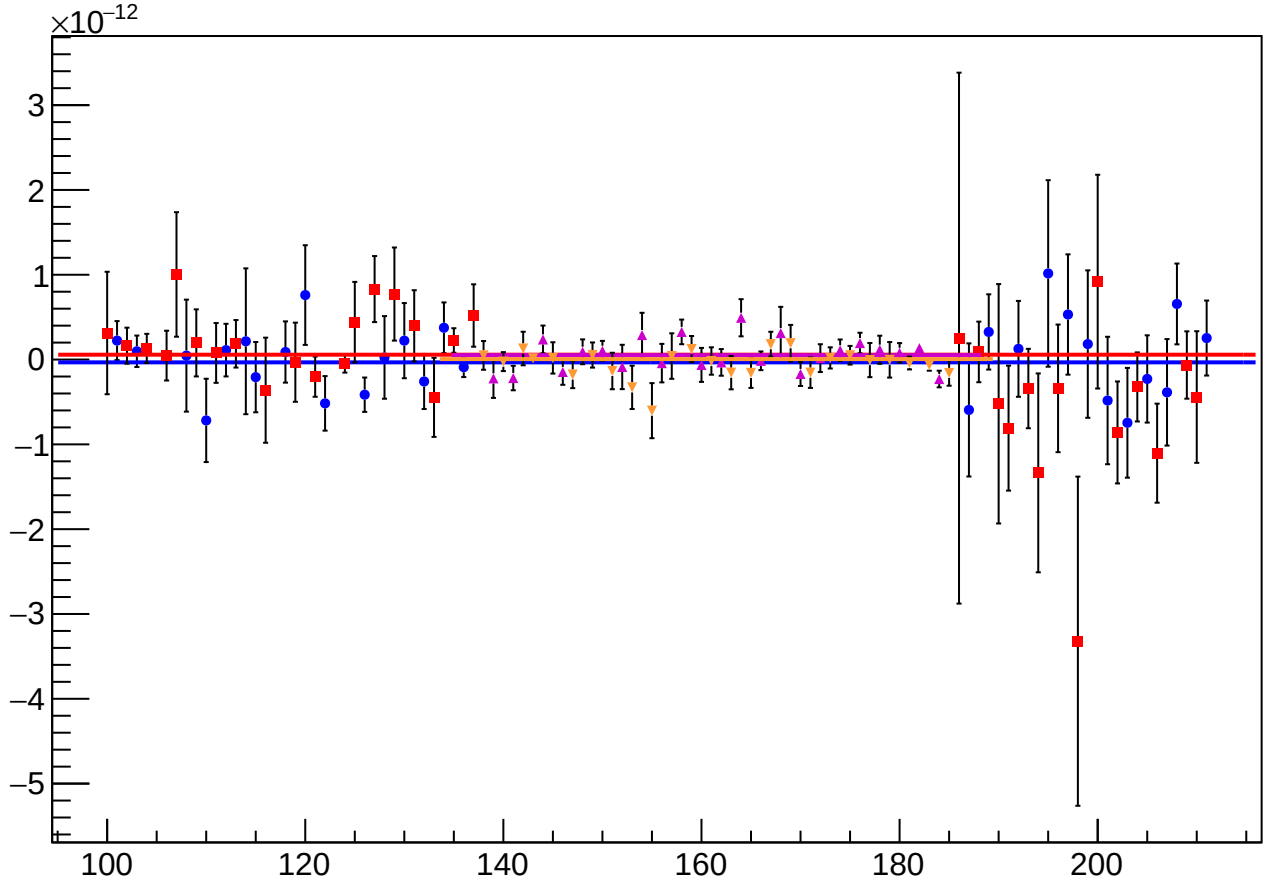
All: 296.270+/-0.029 χ^2/NDF: 35053587.0/10

- sign 280.837+/-0.040 χ^2/NDF: 18731018.1/54


asym_atl2_eigen_dit_vs_eigen_cor_diff_mean vs Slug
4
2
0
−2
−4
−6
−8
100
120
140
160
180
200
Right In: -0.028+/-0.067 χ²/NDF: 23.3/27
Left Out: -0.085+/-0.161 χ²/NDF:30.2/23
Right Out: -0.085+/-0.060 χ²/NDF: 40.3/31
Left In: 0.147+/-0.158 χ²/NDF:26.4/22
+ sign -0.037+/-0.062 χ²/NDF: 53.7/51
All: -0.047+/-0.042 χ²/NDF: 122.3/106
- sign -0.056+/-0.056 χ²/NDF: 68.6/54


asym_atl2_eigen_dit_vs_eigen_cor_diff_rms vs Slug
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
100
120
140
160
180
200
Right In: 259.612+/-0.048 χ²/NDF: 1850310.7/27
Left Out: 633.678+/-0.114 χ²/NDF:4994172.5/23
Right Out: 231.466+/-0.042 χ²/NDF: 3431465.5/31
Left In: 623.922+/-0.112 χ²/NDF:4541413.9/22
+ sign 315.277+/-0.044 χ²/NDF: 15984988.8/51
All: 296.270+/-0.029 χ²/NDF: 35053587.0/10
- sign 280.837+/-0.040 χ²/NDF: 18731018.1/54

asym_atl2_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 22.2/27

Left Out: 0.000+/-0.000 χ^2/NDF:15.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 31.3/32

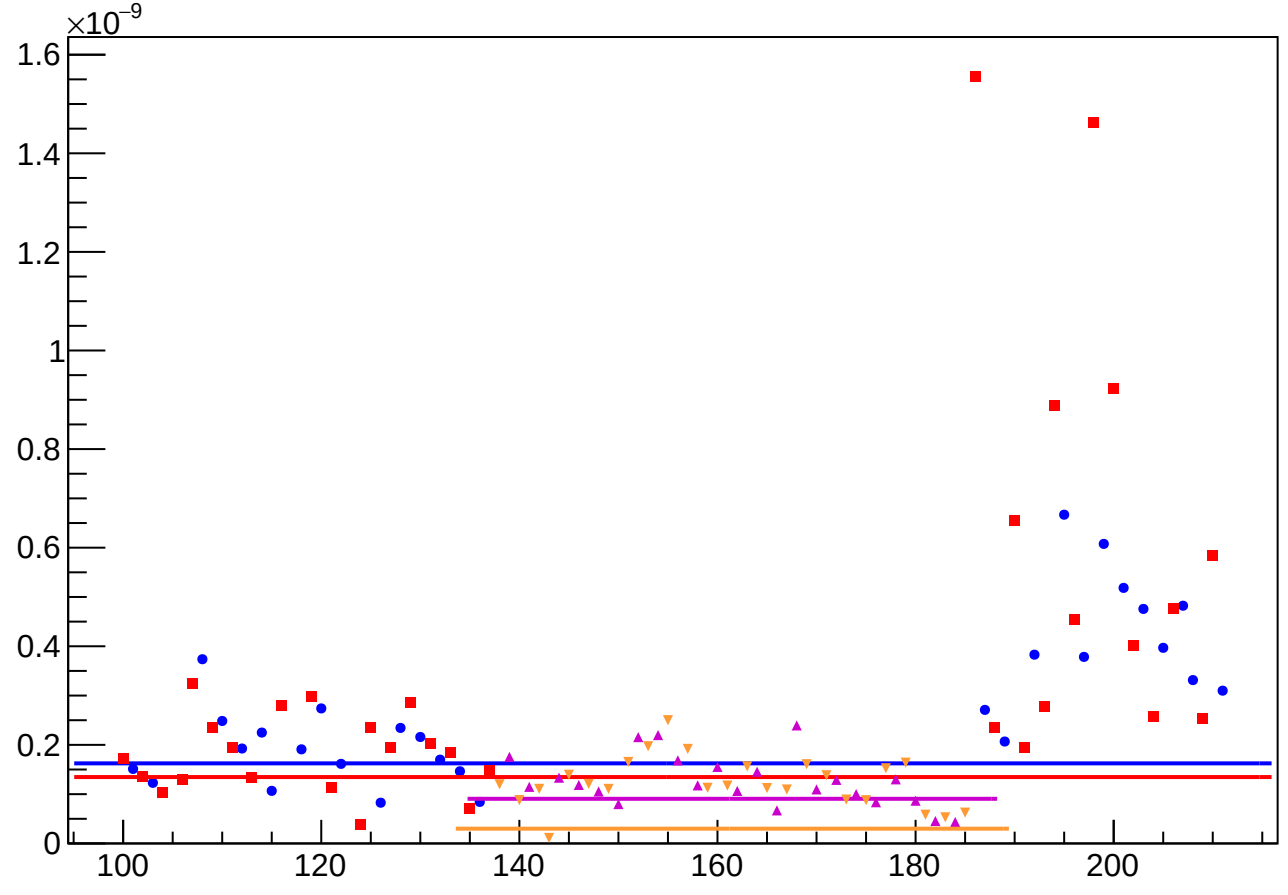
Left In: 0.000+/-0.000 χ^2/NDF:33.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 38.4/52

All: 0.000+/-0.000 χ^2/NDF: 106.1/108

- sign 0.000+/-0.000 χ^2/NDF: 64.7/55

asym_atl2_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 5611505.6/27

Left Out: 0.000+/-0.000 χ^2/NDF:17263498.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9156376.1/32

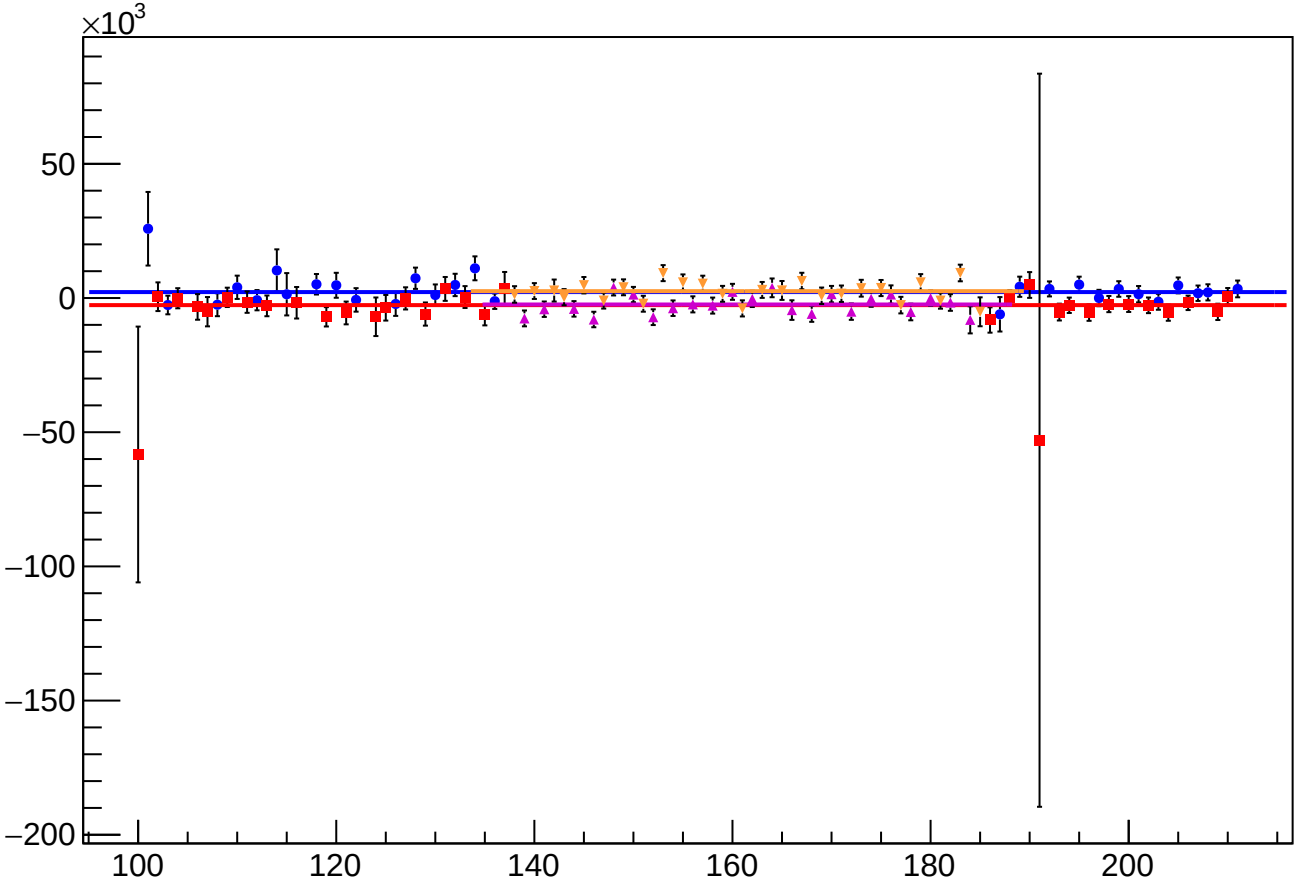
Left In: 0.000+/-0.000 χ^2/NDF:4716343.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 31379918.8/52

All: 0.000+/-0.000 χ^2/NDF: 56373591.0/108

- sign 0.000+/-0.000 χ^2/NDF: 14881108.4/55

reg_asym_atr1_mean vs Slug



Right In: 2219.539+/-689.209 χ^2/NDF: 23.9/27

Left Out: 2556.827+/-621.829 χ^2/NDF:31.6/24

Right Out: -2641.040+/-662.969 χ^2/NDF: 20.0/32

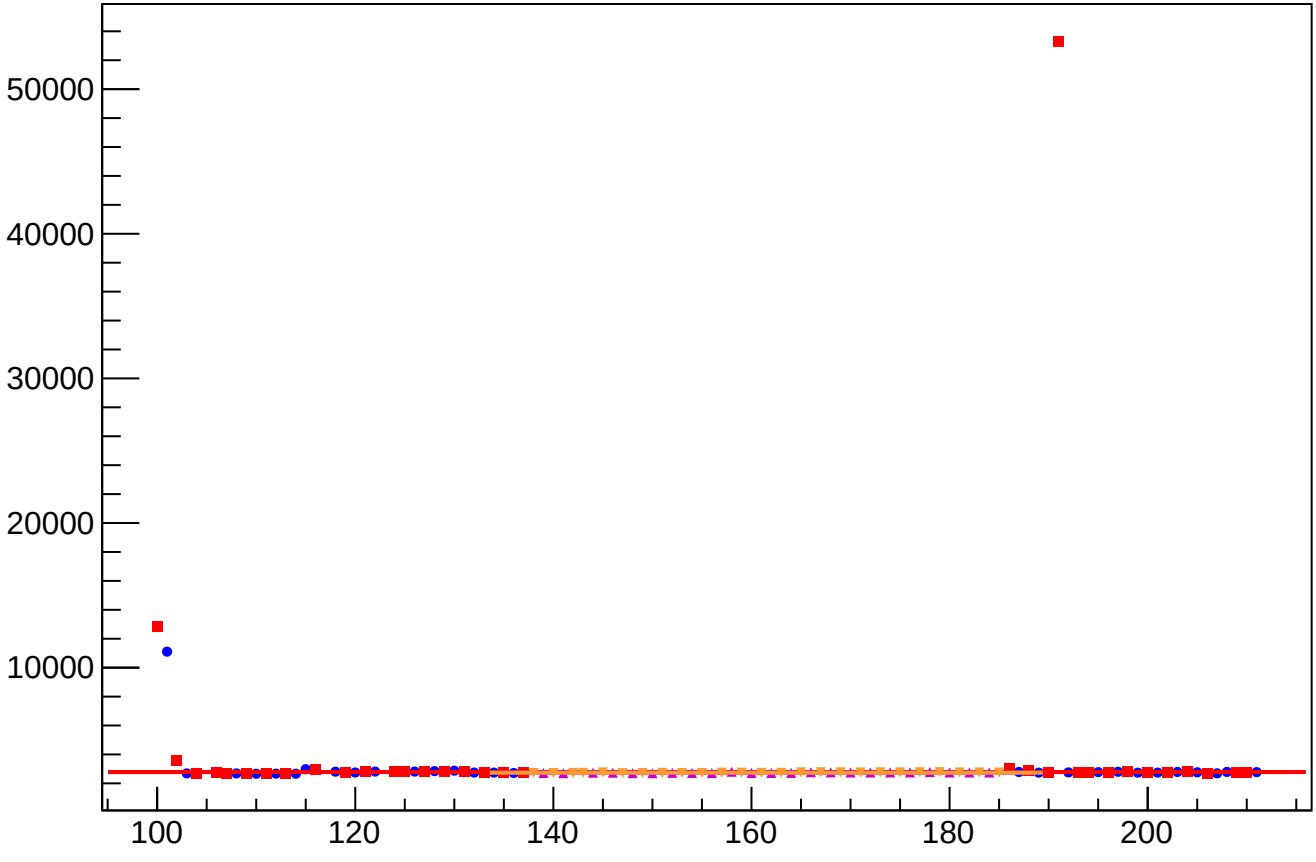
Left In: -2408.320+/-639.726 χ^2/NDF:31.4/22

+ sign 2405.472+/-461.688 χ^2/NDF: 55.6/52

All: -64.665+/-325.990 χ^2/NDF: 164.2/108

- sign -2520.529+/-460.353 χ^2/NDF: 51.5/55

reg_asym_atr1_rms vs Slug



Right In: 2779.463+/-0.487 χ^2/NDF: 750460.3/27

Left Out: 2737.519+/-0.440 χ^2/NDF:2317.5/24

Right Out: 2785.771+/-0.469 χ^2/NDF: 481492.7/32

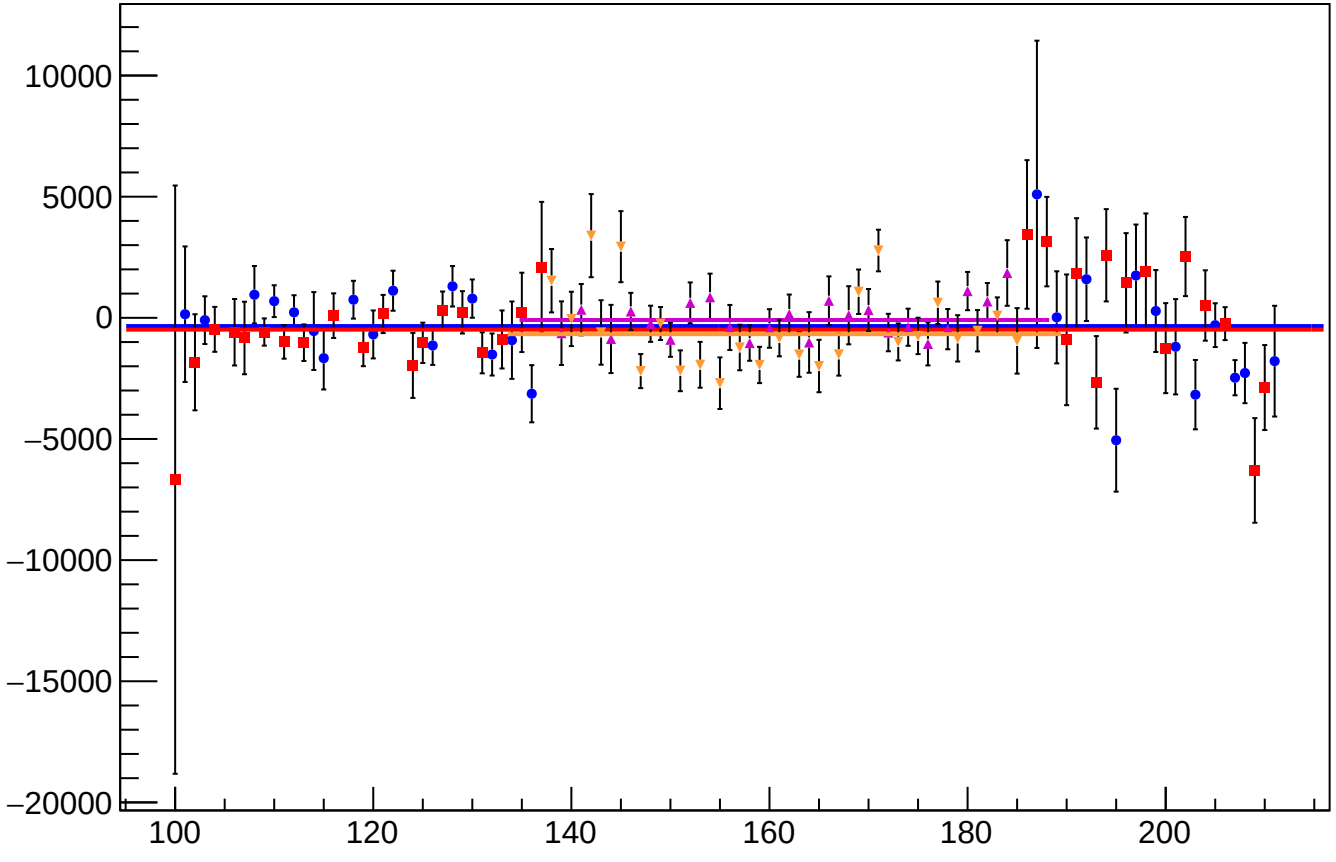
Left In: 2739.863+/-0.452 χ^2/NDF:3362.0/22

+ sign 2756.341+/-0.326 χ^2/NDF: 756861.3/52

All: 2759.178+/-0.231 χ^2/NDF: 1246832.5/10

- sign 2761.998+/-0.326 χ^2/NDF: 489820.6/55

asym_atr1_reg_correction_mean vs Slug



Right In: -340.547+/-202.100 χ^2/NDF: 48.7/27

Left Out: -673.693+/-181.230 χ^2/NDF:58.4/24

Right Out: -487.973+/-192.546 χ^2/NDF: 35.3/32

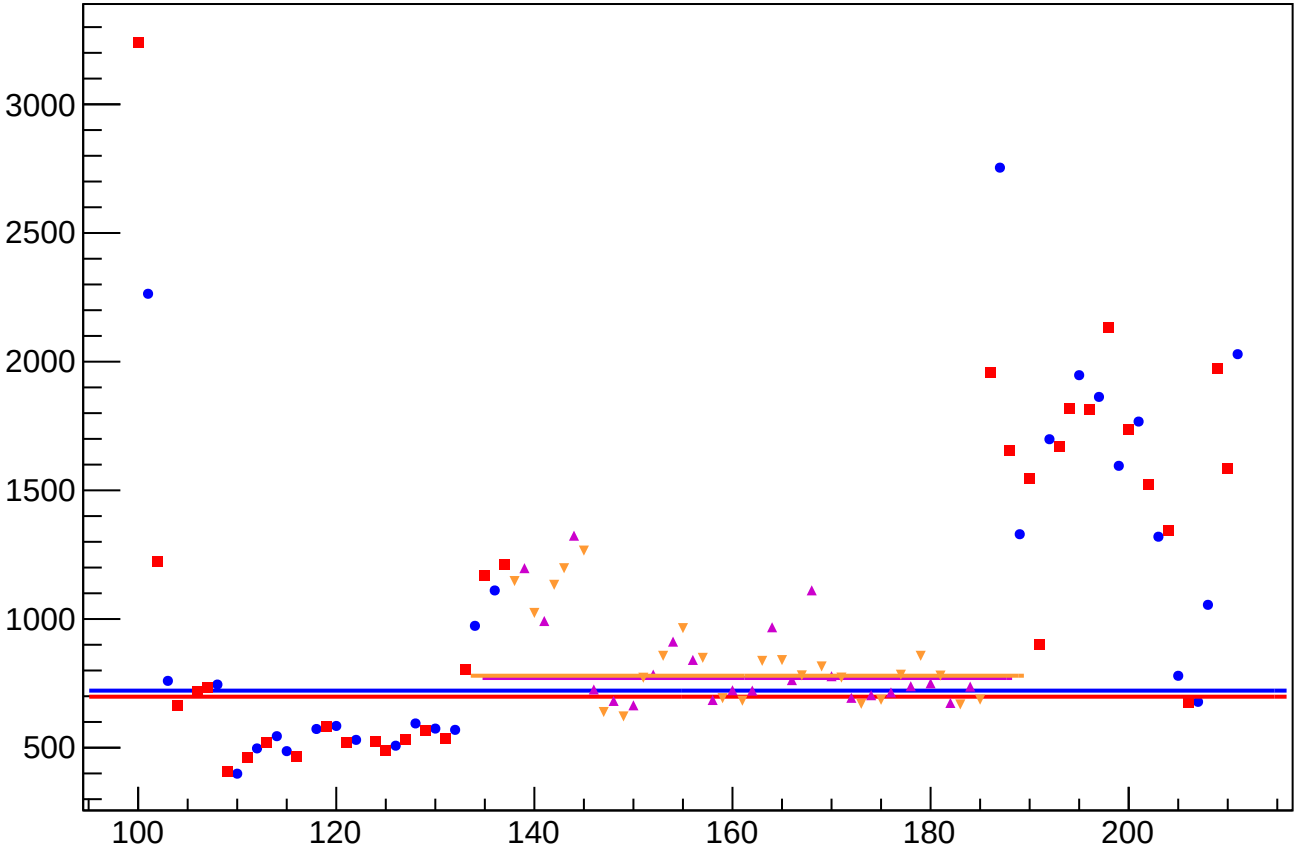
Left In: -89.519+/-183.491 χ^2/NDF:14.8/22

+ sign -525.204+/-134.926 χ^2/NDF: 108.6/52

All: -400.257+/-94.659 χ^2/NDF: 162.6/108

- sign -279.157+/-132.834 χ^2/NDF: 52.4/55

asym_atr1_reg_correction_rms vs Slug



Right In: 721.780+/-0.143 χ^2/NDF: 6762905.9/27

Left Out: 779.715+/-0.128 χ^2/NDF:1243743.5/24

Right Out: 698.174+/-0.136 χ^2/NDF: 8359797.9/32

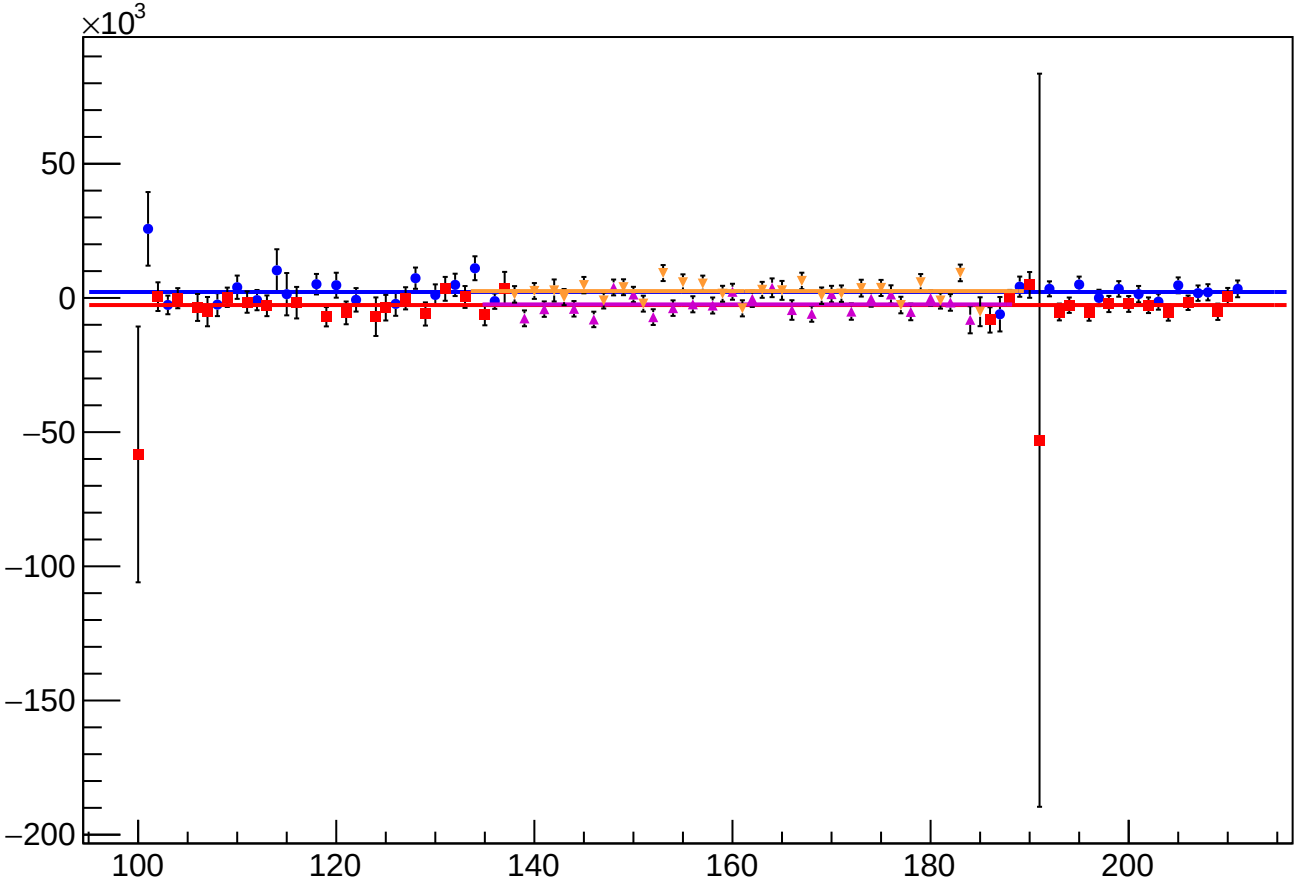
Left In: 770.795+/-0.130 χ^2/NDF:1076354.9/22

+ sign 753.892+/-0.095 χ^2/NDF: 8097748.2/52

All: 744.924+/-0.067 χ^2/NDF: 17700397.7/10

- sign 736.232+/-0.094 χ^2/NDF: 9585250.1/55

cor_asym_atr1_mean vs Slug



Right In: 2219.216+/-689.210 χ^2/NDF: 23.9/27

Left Out: 2556.787+/-621.829 χ^2/NDF:31.6/24

Right Out: -2643.919+/-663.594 χ^2/NDF: 20.0/32

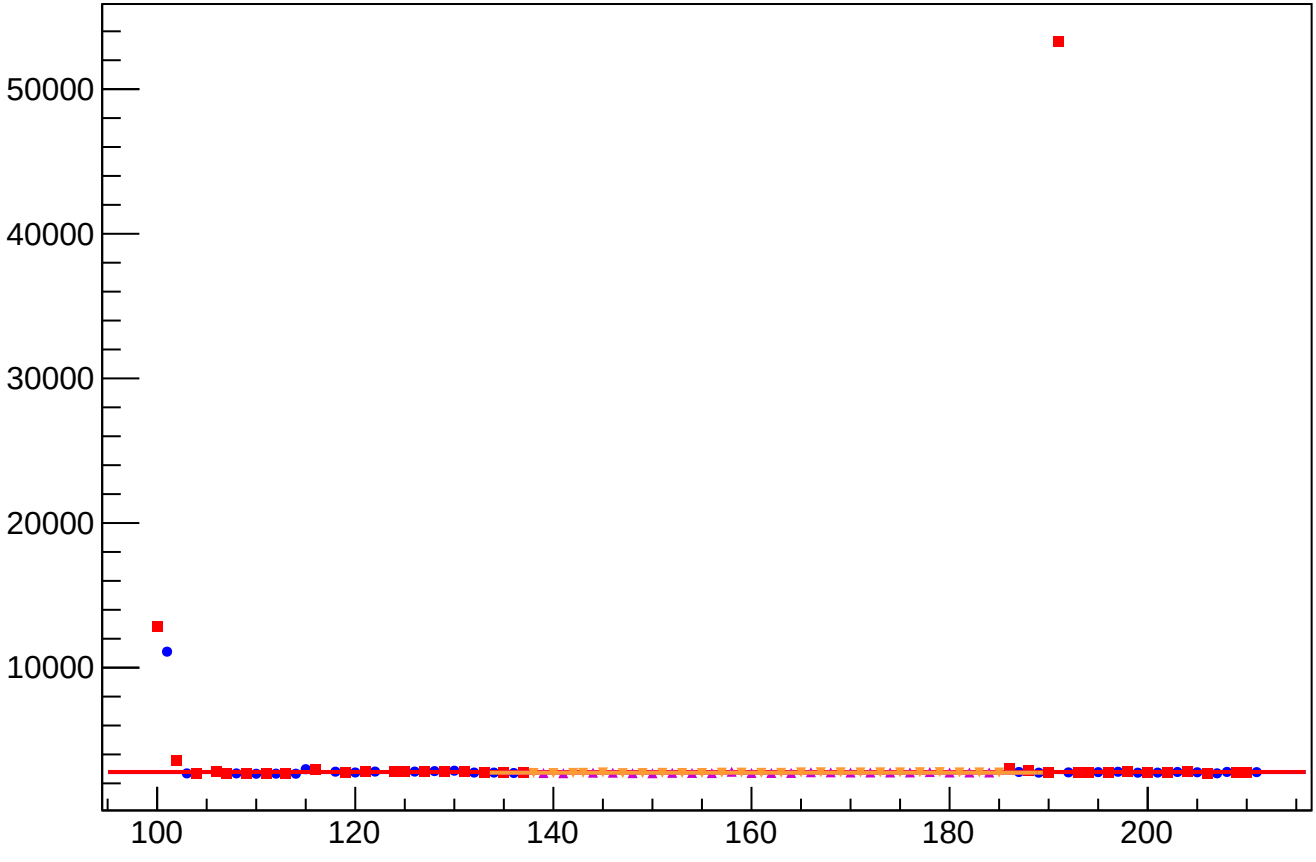
Left In: -2408.461+/-639.726 χ^2/NDF:31.4/22

+ sign 2405.305+/-461.688 χ^2/NDF: 55.6/52

All: -64.308+/-326.064 χ^2/NDF: 164.2/108

- sign -2521.880+/-460.562 χ^2/NDF: 51.5/55

cor_asym_atr1_rms vs Slug



Right In: 2779.463+/-0.487 χ^2/NDF: 750459.4/27

Left Out: 2737.519+/-0.440 χ^2/NDF:2317.5/24

Right Out: 2787.947+/-0.469 χ^2/NDF: 481330.4/32

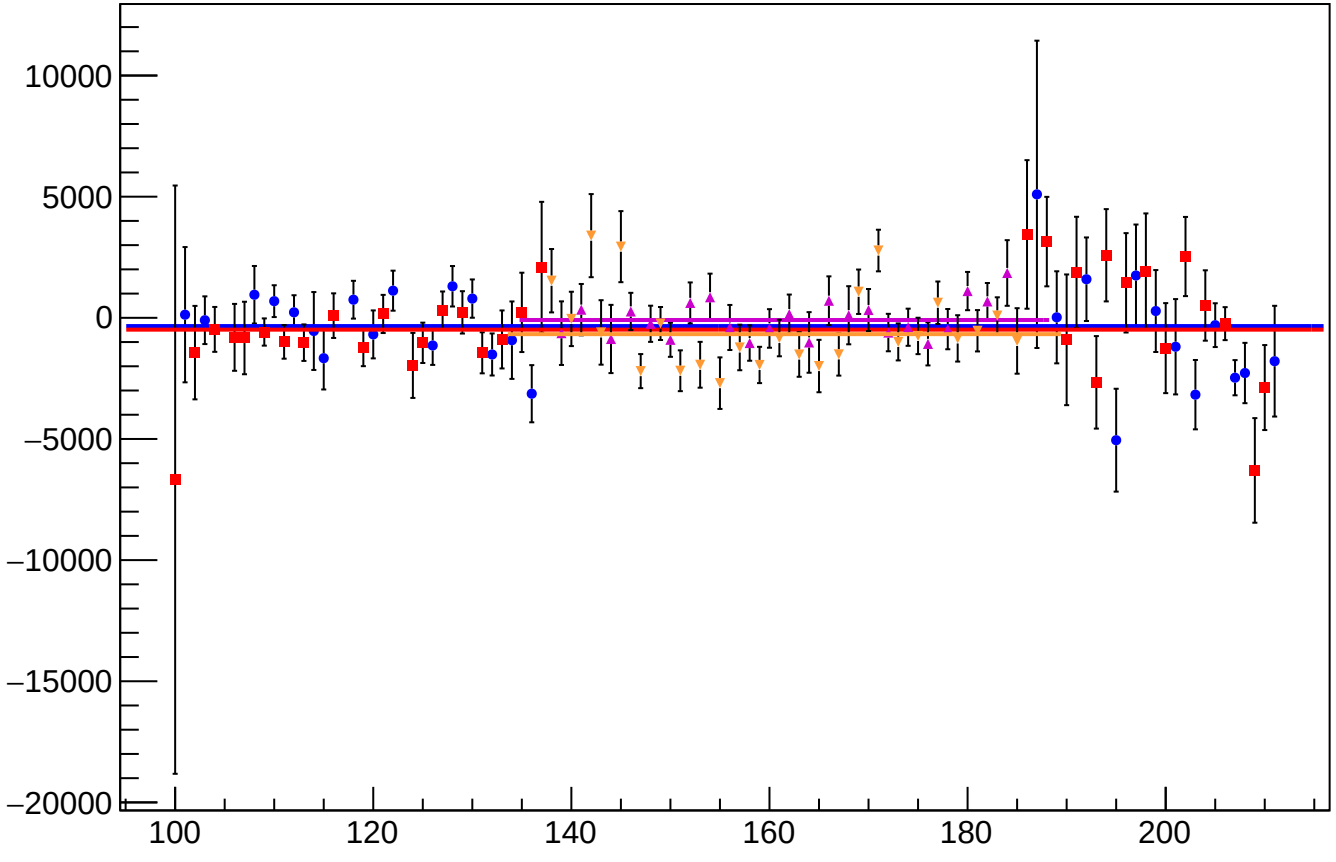
Left In: 2739.863+/-0.452 χ^2/NDF:3362.0/22

+ sign 2756.341+/-0.326 χ^2/NDF: 756860.4/52

All: 2759.691+/-0.231 χ^2/NDF: 1247205.5/10

- sign 2763.025+/-0.326 χ^2/NDF: 490135.0/55

asym_atr1_cor_correction_mean vs Slug



Right In: -340.525+/-202.092 χ^2/NDF: 48.7/27

Left Out: -673.608+/-181.230 χ^2/NDF:58.4/24

Right Out: -488.726+/-192.519 χ^2/NDF: 35.2/32

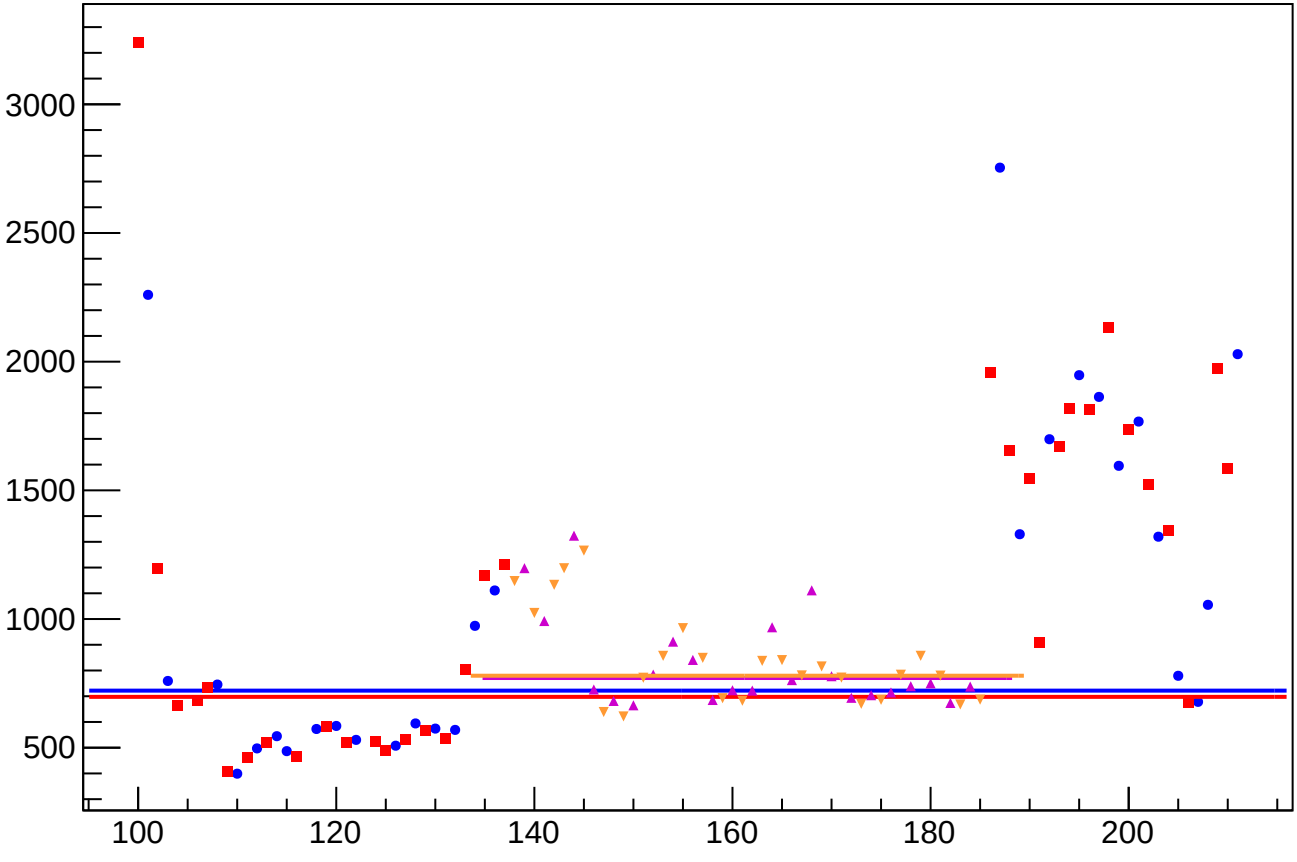
Left In: -89.643+/-183.492 χ^2/NDF:14.8/22

+ sign -525.141+/-134.924 χ^2/NDF: 108.6/52

All: -400.451+/-94.655 χ^2/NDF: 162.5/108

- sign -279.610+/-132.825 χ^2/NDF: 52.2/55

asym_atr1_cor_correction_rms vs Slug



Right In: 721.768+/-0.143 χ^2/NDF: 6762045.6/27

Left Out: 779.713+/-0.128 χ^2/NDF:1243769.6/24

Right Out: 697.571+/-0.136 χ^2/NDF: 8355176.3/32

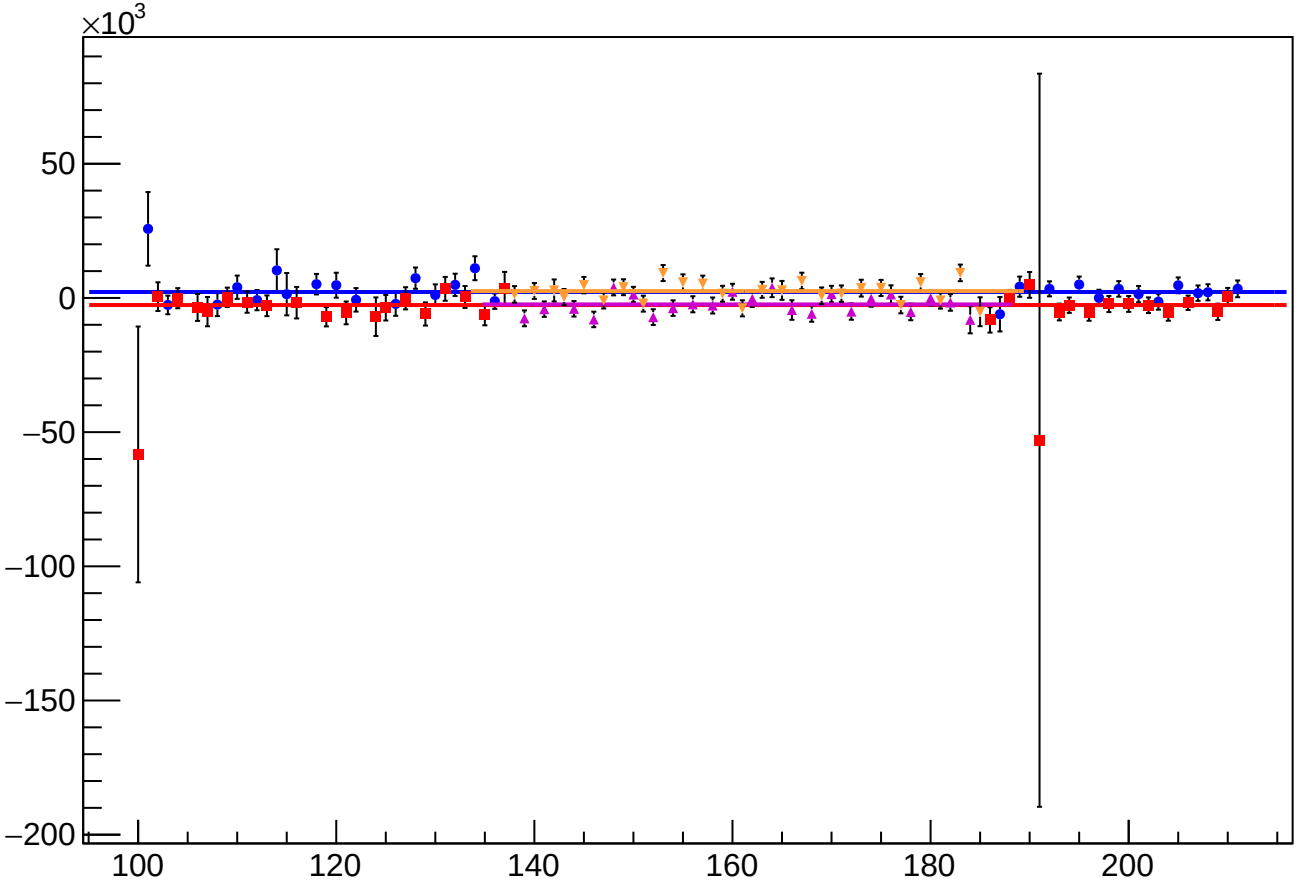
Left In: 770.799+/-0.130 χ^2/NDF:1076291.1/22

+ sign 753.885+/-0.095 χ^2/NDF: 8096948.1/52

All: 744.773+/-0.067 χ^2/NDF: 17698002.2/10

- sign 735.942+/-0.094 χ^2/NDF: 9583090.9/55

eigen_cor_asym_atr1_mean vs Slug



Right In: 2219.216+/-689.210 χ^2/NDF: 23.9/27

Left Out: 2556.787+/-621.829 χ^2/NDF:31.6/24

Right Out: -2643.919+/-663.594 χ^2/NDF: 20.0/32

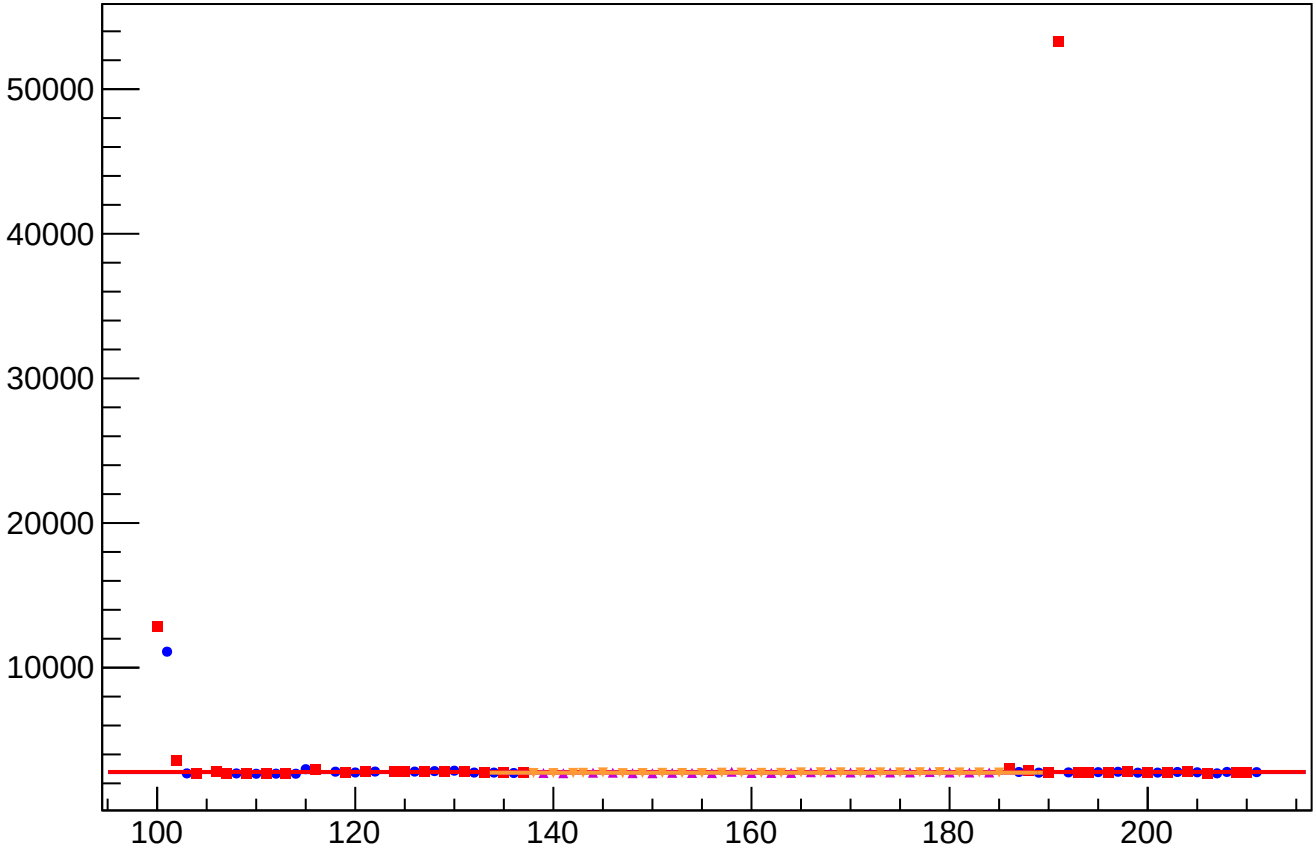
Left In: -2408.461+/-639.726 χ^2/NDF:31.4/22

+ sign 2405.305+/-461.688 χ^2/NDF: 55.6/52

All: -64.308+/-326.064 χ^2/NDF: 164.2/108

- sign -2521.880+/-460.562 χ^2/NDF: 51.5/55

eigen_cor_asym_atr1_rms vs Slug



Right In: 2779.463+/-0.487 χ^2/NDF: 750459.4/27

Left Out: 2737.519+/-0.440 χ^2/NDF:2317.5/24

Right Out: 2787.947+/-0.469 χ^2/NDF: 481330.4/32

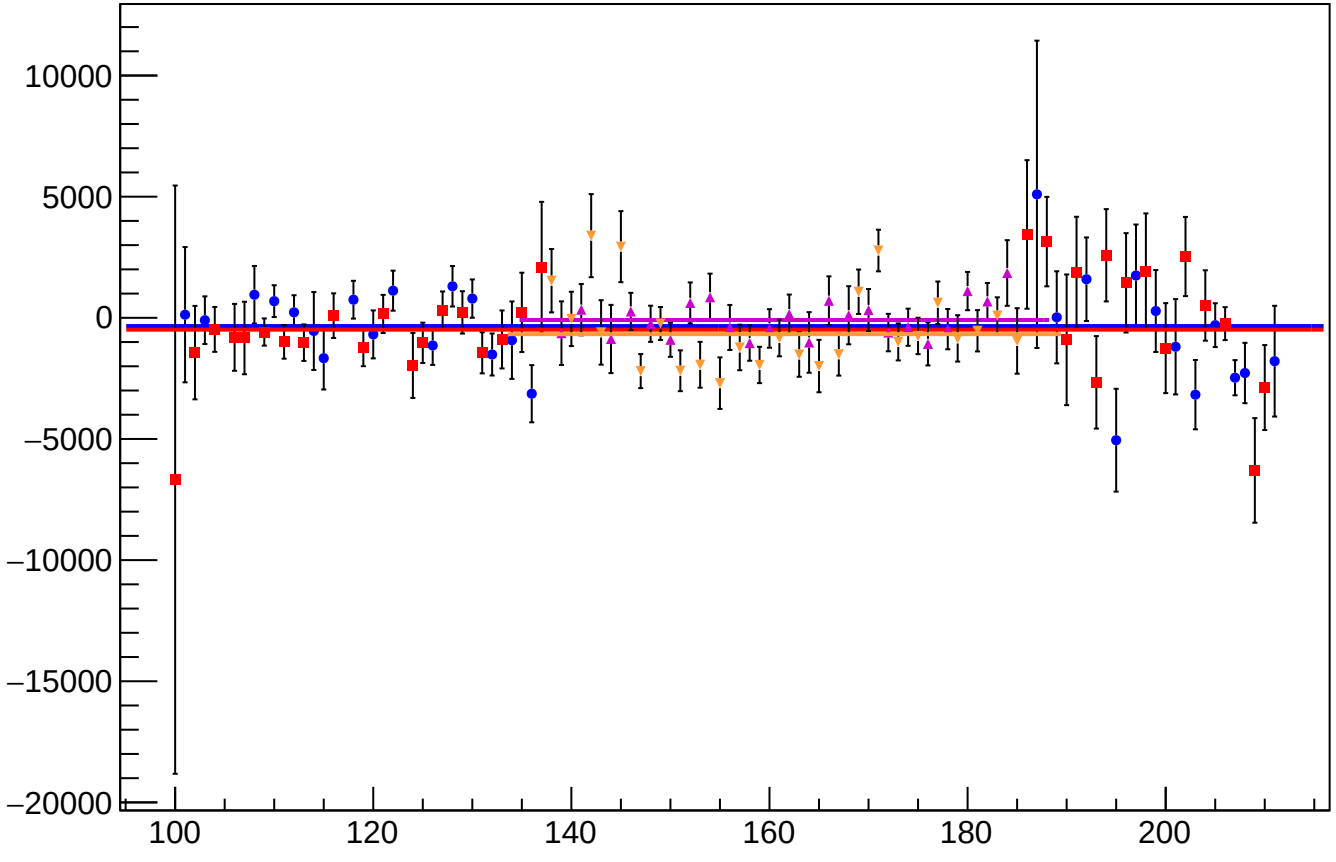
Left In: 2739.863+/-0.452 χ^2/NDF:3362.0/22

+ sign 2756.341+/-0.326 χ^2/NDF: 756860.4/52

All: 2759.691+/-0.231 χ^2/NDF: 1247205.5/10

- sign 2763.025+/-0.326 χ^2/NDF: 490135.0/55

asym_atr1_eigen_cor_correction_mean vs Slug



Right In: -340.525+/-202.092 χ^2/NDF: 48.7/27

Left Out: -673.608+/-181.230 χ^2/NDF:58.4/24

Right Out: -488.726+/-192.519 χ^2/NDF: 35.2/32

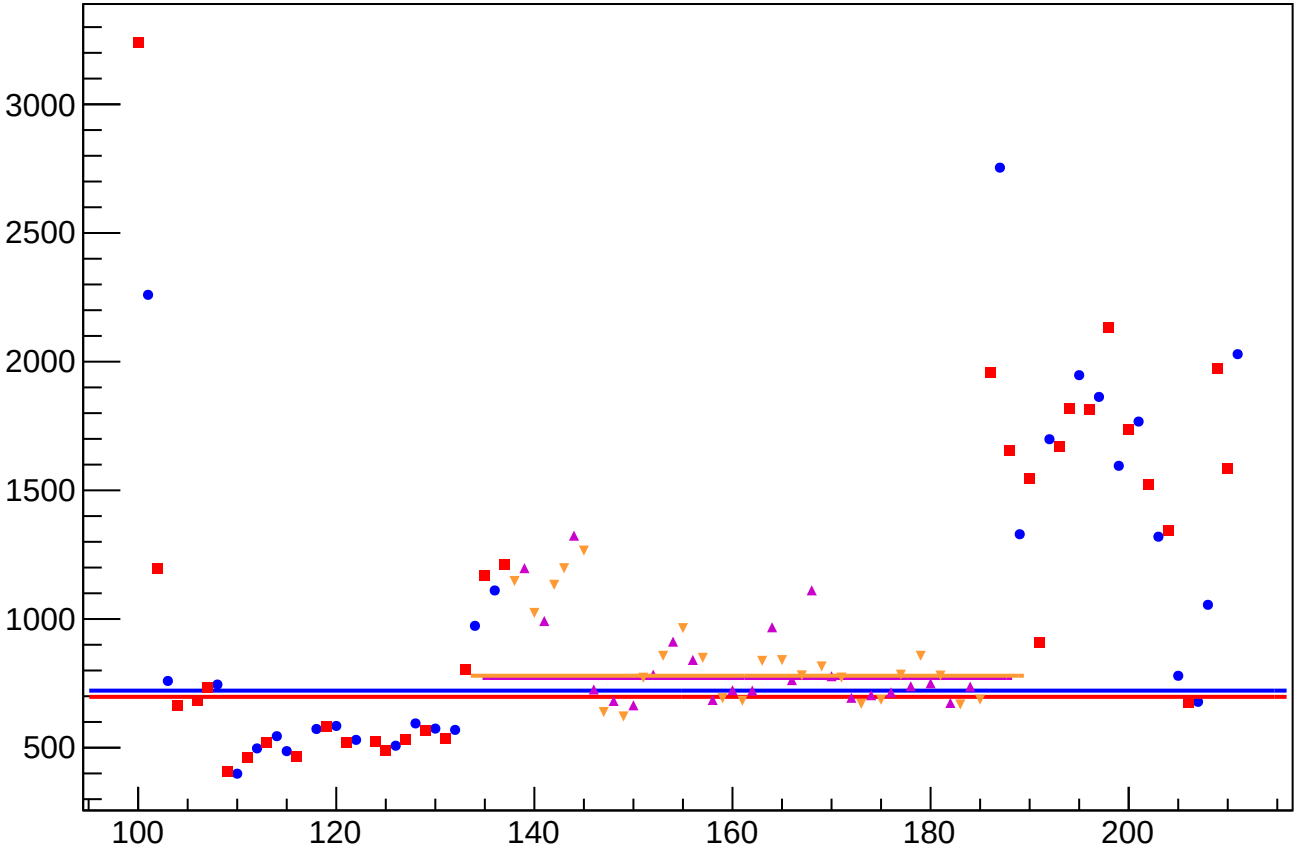
Left In: -89.643+/-183.492 χ^2/NDF:14.8/22

+ sign -525.141+/-134.924 χ^2/NDF: 108.6/52

All: -400.451+/-94.655 χ^2/NDF: 162.5/108

- sign -279.610+/-132.825 χ^2/NDF: 52.2/55

asym_atr1_eigen_cor_correction_rms vs Slug



Right In: 721.768+/-0.143 χ^2/NDF: 6762045.6/27

Left Out: 779.713+/-0.128 χ^2/NDF:1243769.6/24

Right Out: 697.571+/-0.136 χ^2/NDF: 8355176.3/32

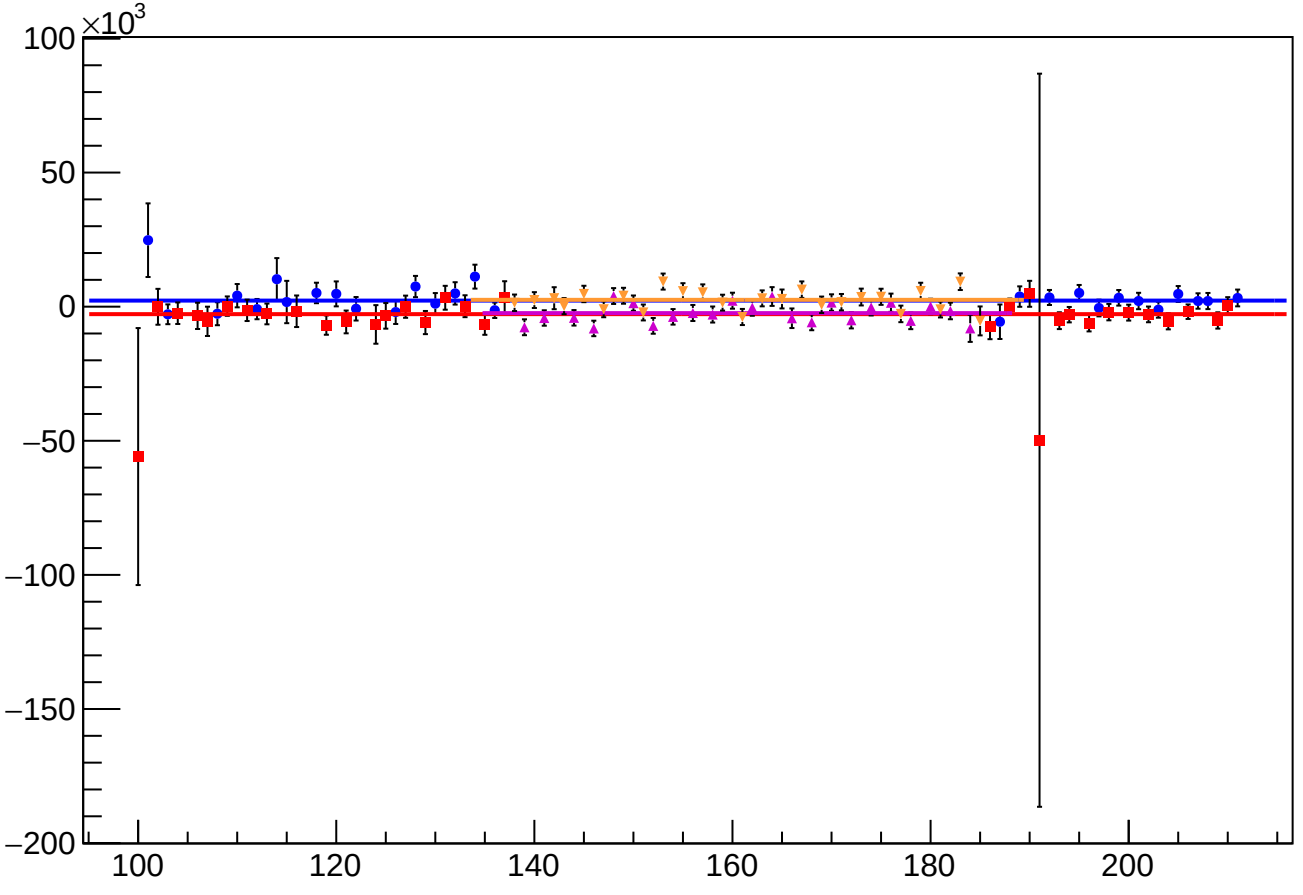
Left In: 770.799+/-0.130 χ^2/NDF:1076291.1/22

+ sign 753.885+/-0.095 χ^2/NDF: 8096948.1/52

All: 744.773+/-0.067 χ^2/NDF: 17698002.2/10

- sign 735.942+/-0.094 χ^2/NDF: 9583090.9/55

dit_asym_atr1_mean vs Slug



Right In: 2264.317+/-692.933 χ^2/NDF: 23.7/27

Left Out: 2545.043+/-622.236 χ^2/NDF:31.9/24

Right Out: -2786.431+/-668.833 χ^2/NDF: 18.9/32

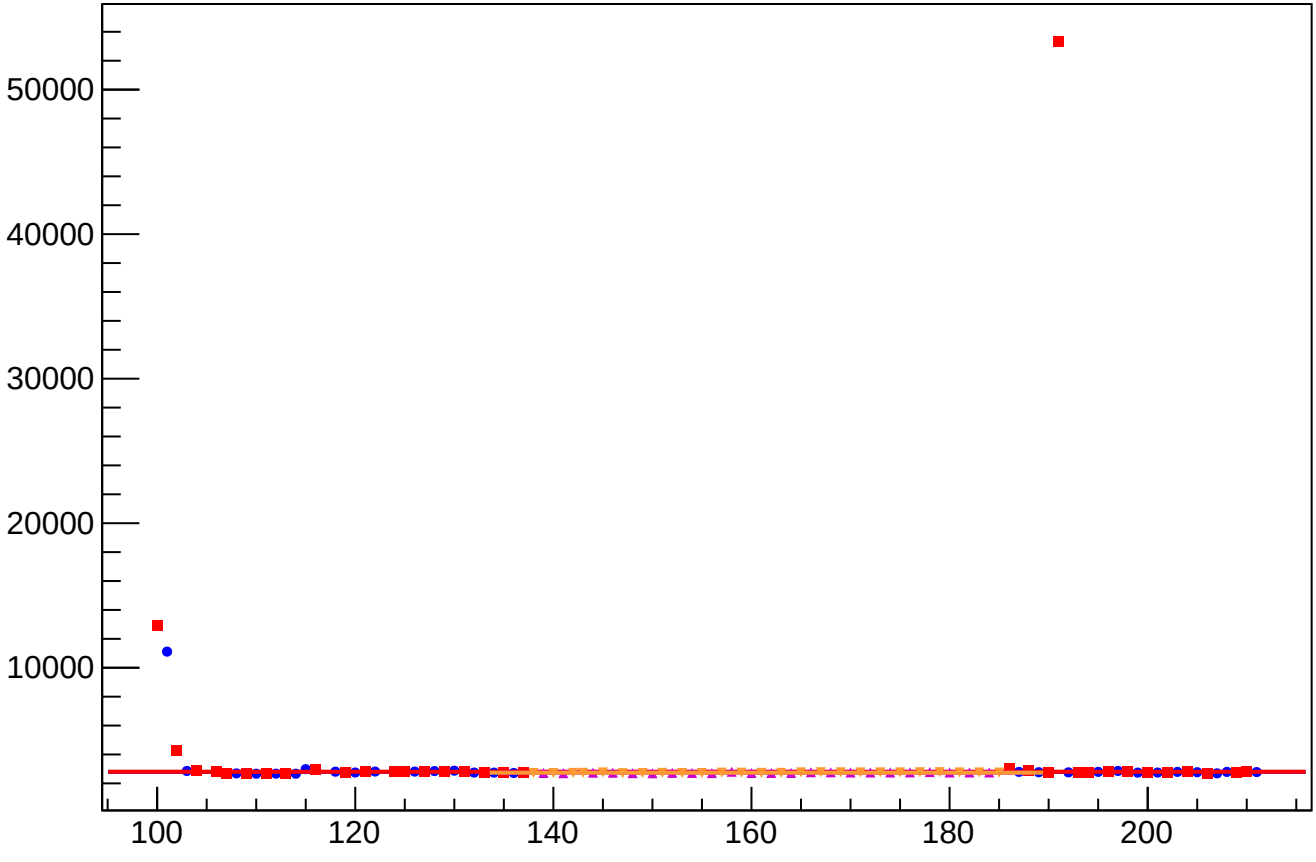
Left In: -2406.858+/-640.084 χ^2/NDF:31.8/22

+ sign 2419.727+/-462.970 χ^2/NDF: 55.6/52

All: -87.177+/-327.181 χ^2/NDF: 165.1/108

- sign -2588.312+/-462.437 χ^2/NDF: 50.9/55

dit_asym_atr1_rms vs Slug



Right In: 2794.322+/-0.490 χ^2/NDF: 750112.9/27

Left Out: 2739.304+/-0.440 χ^2/NDF:2322.3/24

Right Out: 2804.348+/-0.473 χ^2/NDF: 534946.1/32

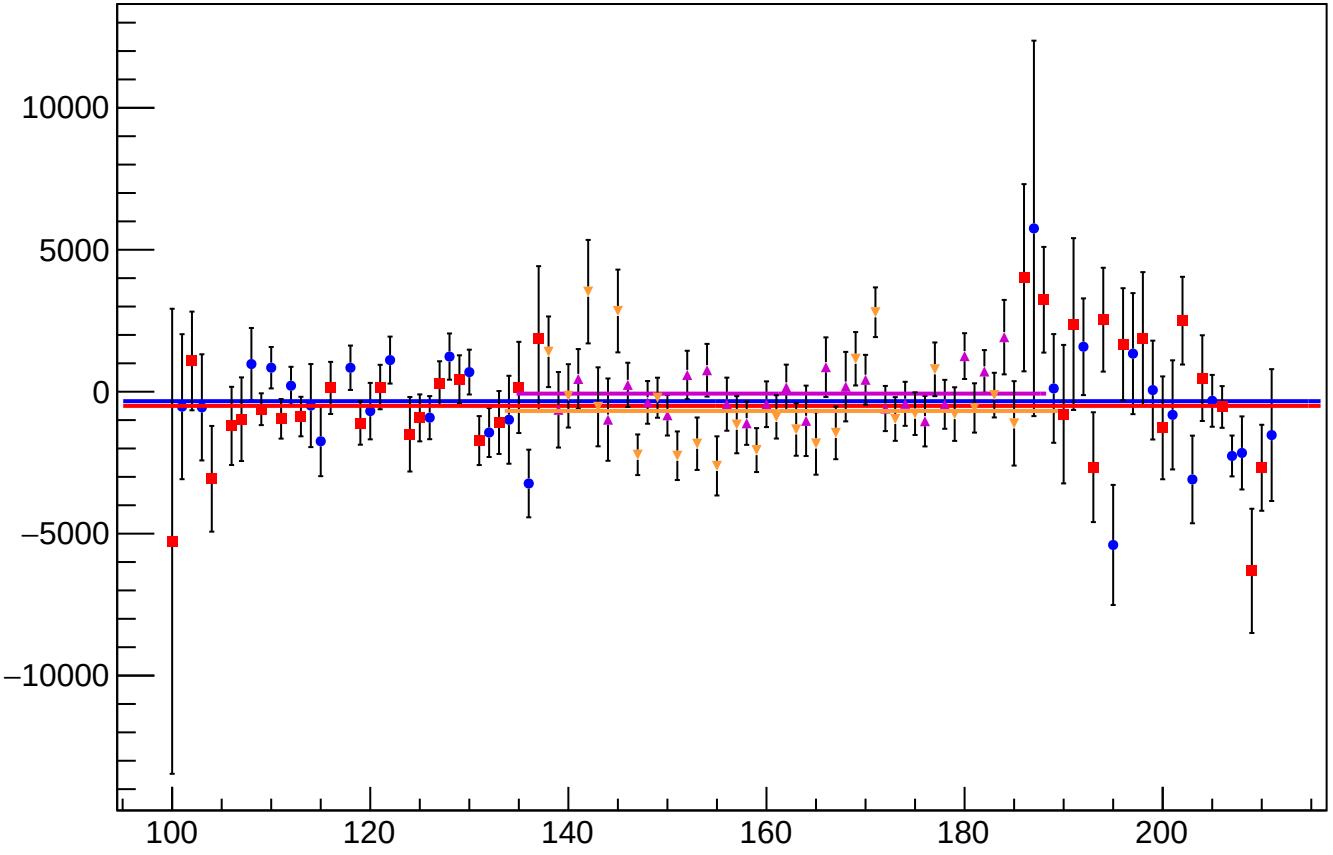
Left In: 2741.391+/-0.453 χ^2/NDF:3369.6/22

+ sign 2763.864+/-0.327 χ^2/NDF: 759415.1/52

All: 2767.680+/-0.231 χ^2/NDF: 1307251.9/10

- sign 2771.487+/-0.327 χ^2/NDF: 547565.3/55

asym_atr1_dit_correction_mean vs Slug



Right In: -333.352+/-205.153 χ^2/NDF: 46.2/27

Left Out: -678.226+/-185.004 χ^2/NDF:56.2/24

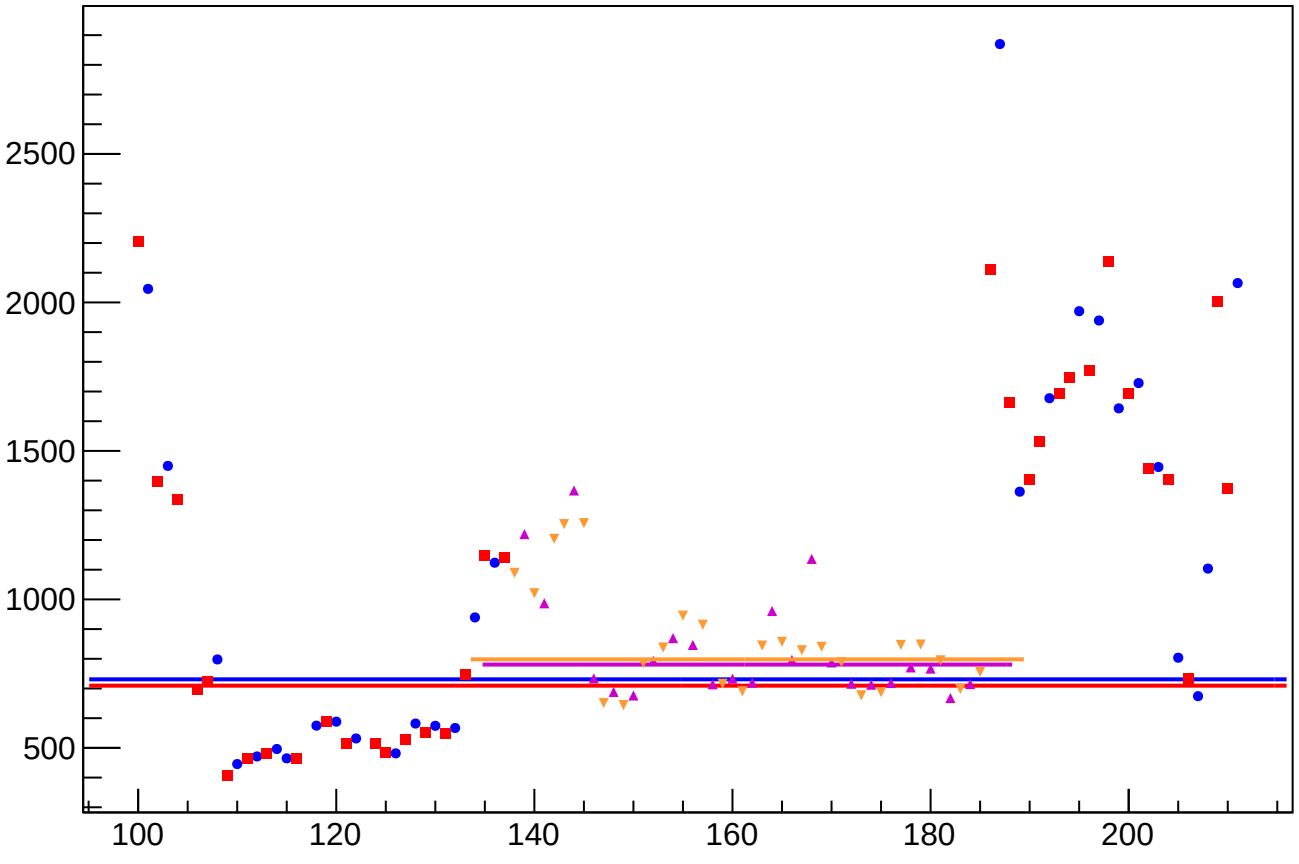
Right Out: -499.543+/-194.113 χ^2/NDF: 39.0/32

Left In: -67.156+/-185.436 χ^2/NDF:15.8/22

+ sign -523.552+/-137.391 χ^2/NDF: 103.9/52

All: -395.467+/-95.960 χ^2/NDF: 163.0/108

- sign -273.469+/-134.086 χ^2/NDF: 57.4/55



Right In: 730.852+/-0.145 χ^2/NDF: 7253432.0/27

Left Out: 798.091+/-0.131 χ^2/NDF:1168352.1/24

Right Out: 709.515+/-0.137 χ^2/NDF: 8832410.9/32

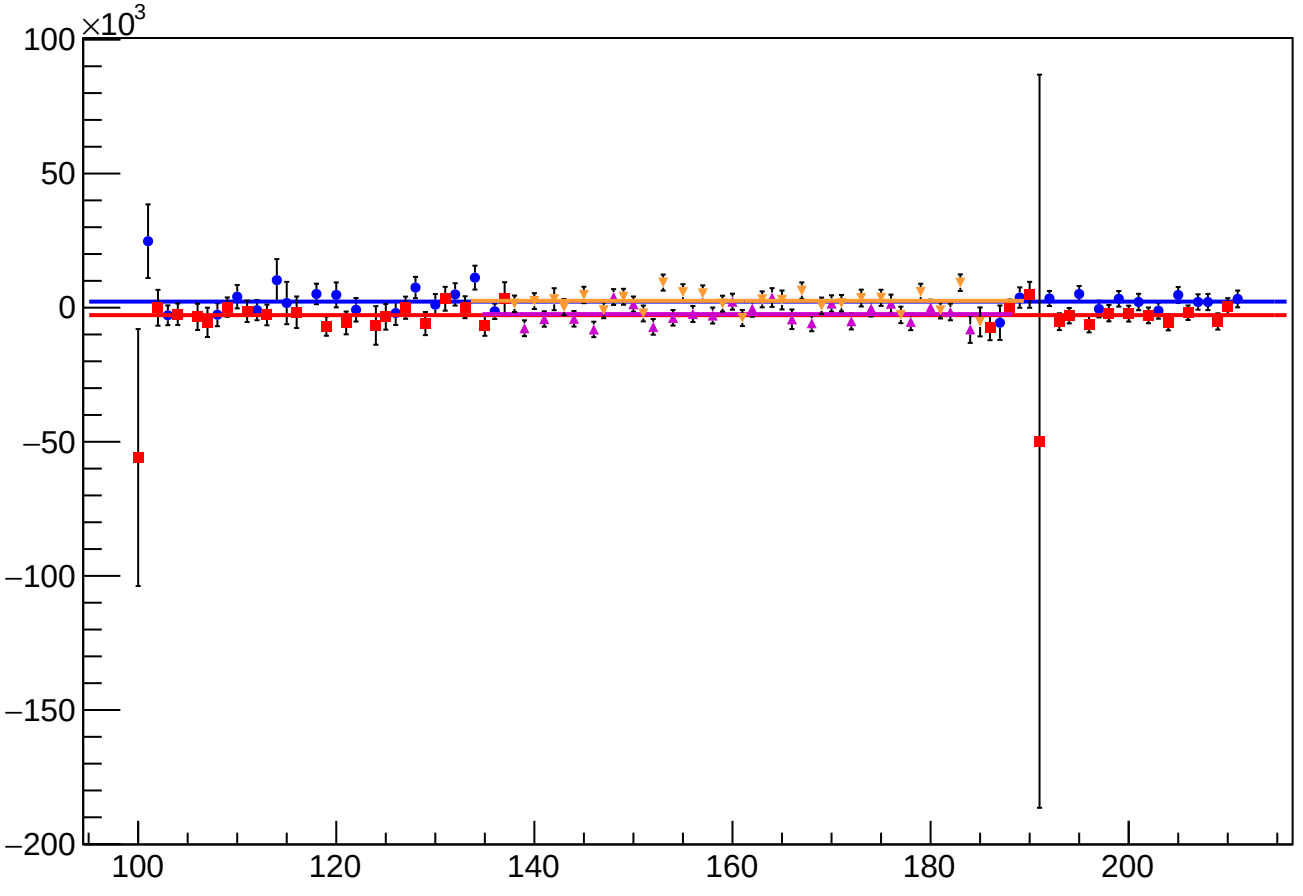
Left In: 780.525+/-0.131 χ^2/NDF:1064827.5/22

+ sign 767.935+/-0.097 χ^2/NDF: 8540272.5/52

All: 757.030+/-0.068 χ^2/NDF: 18602049.4/10

- sign 746.643+/-0.095 χ^2/NDF: 10037176.1/55

eigen_dit_asym_atr1_mean vs Slug



Right In: 2264.316+/-692.933 χ^2/NDF: 23.7/27

Left Out: 2545.044+/-622.236 χ^2/NDF:31.9/24

Right Out: -2786.428+/-668.833 χ^2/NDF: 18.9/32

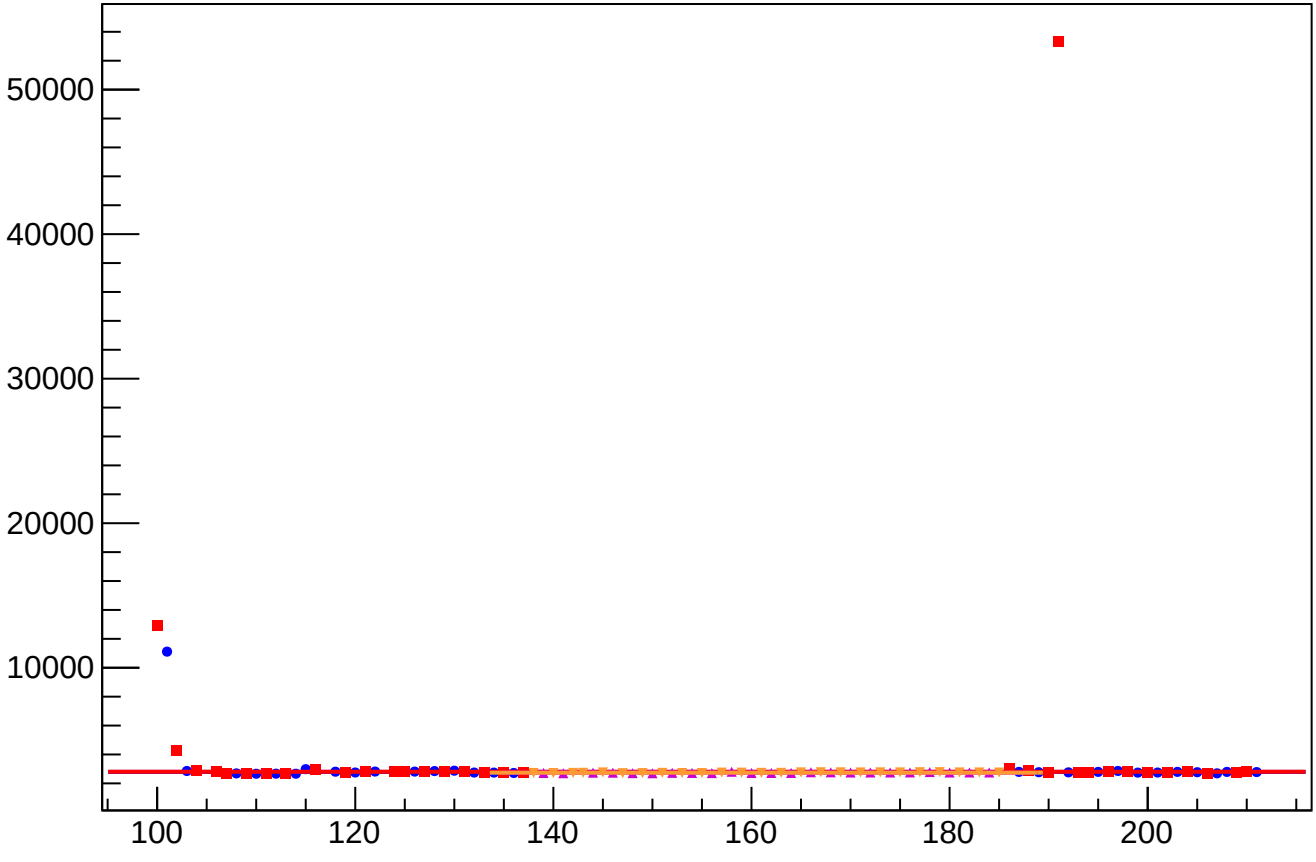
Left In: -2406.858+/-640.084 χ^2/NDF:31.8/22

+ sign 2419.727+/-462.970 χ^2/NDF: 55.6/52

All: -87.176+/-327.181 χ^2/NDF: 165.1/108

- sign -2588.310+/-462.437 χ^2/NDF: 50.9/55

eigen_dit_asym_atr1_rms vs Slug



Right In: 2794.322+/-0.490 χ^2/NDF: 750112.8/27

Left Out: 2739.304+/-0.440 χ^2/NDF:2322.3/24

Right Out: 2804.348+/-0.473 χ^2/NDF: 534945.9/32

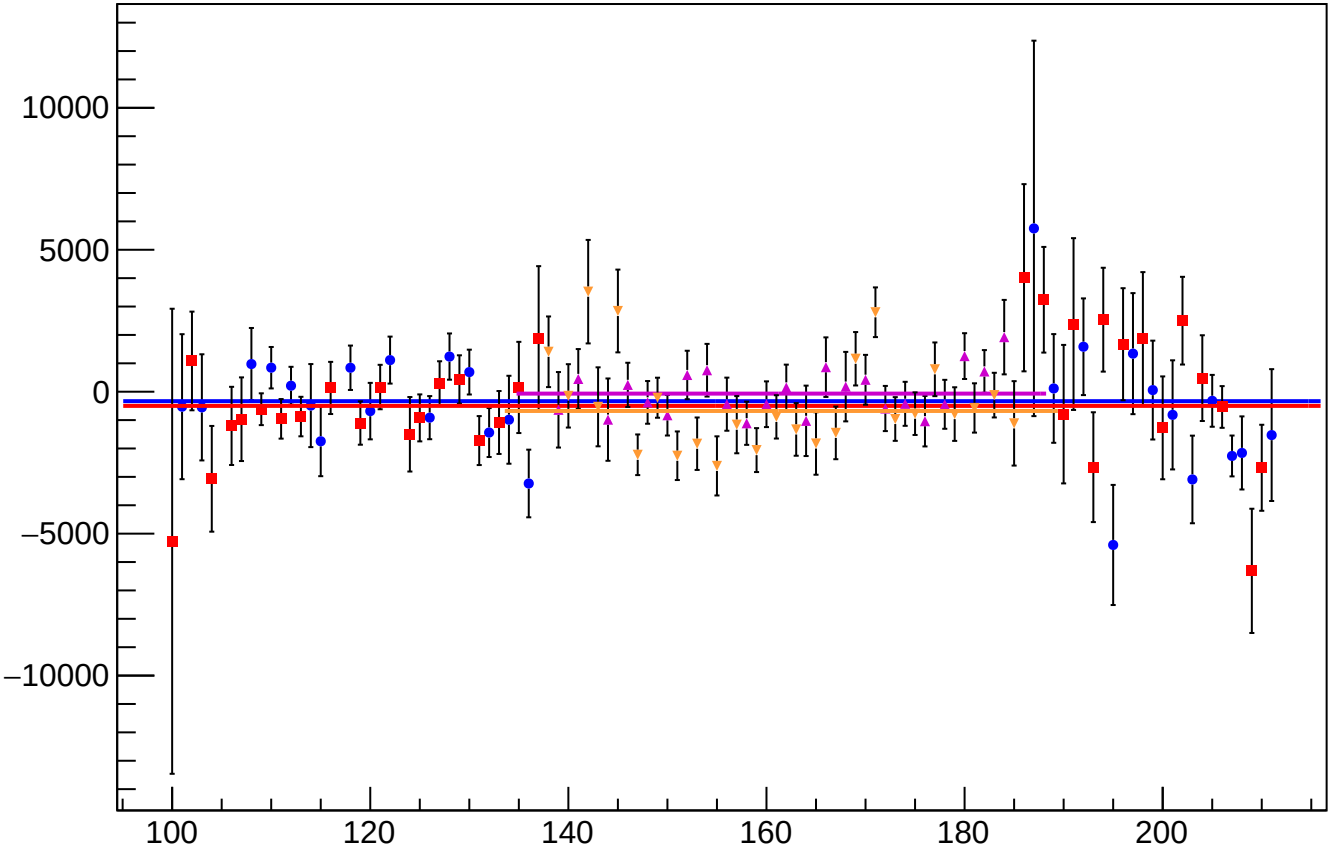
Left In: 2741.391+/-0.453 χ^2/NDF:3369.6/22

+ sign 2763.864+/-0.327 χ^2/NDF: 759415.1/52

All: 2767.680+/-0.231 χ^2/NDF: 1307251.6/10

- sign 2771.487+/-0.327 χ^2/NDF: 547565.1/55

asym_atr1_eigen_dit_correction_mean vs Slug



Right In: -333.352+/-205.153 χ^2/NDF: 46.2/27

Left Out: -678.227+/-185.004 χ^2/NDF:56.2/24

Right Out: -499.542+/-194.114 χ^2/NDF: 39.0/32

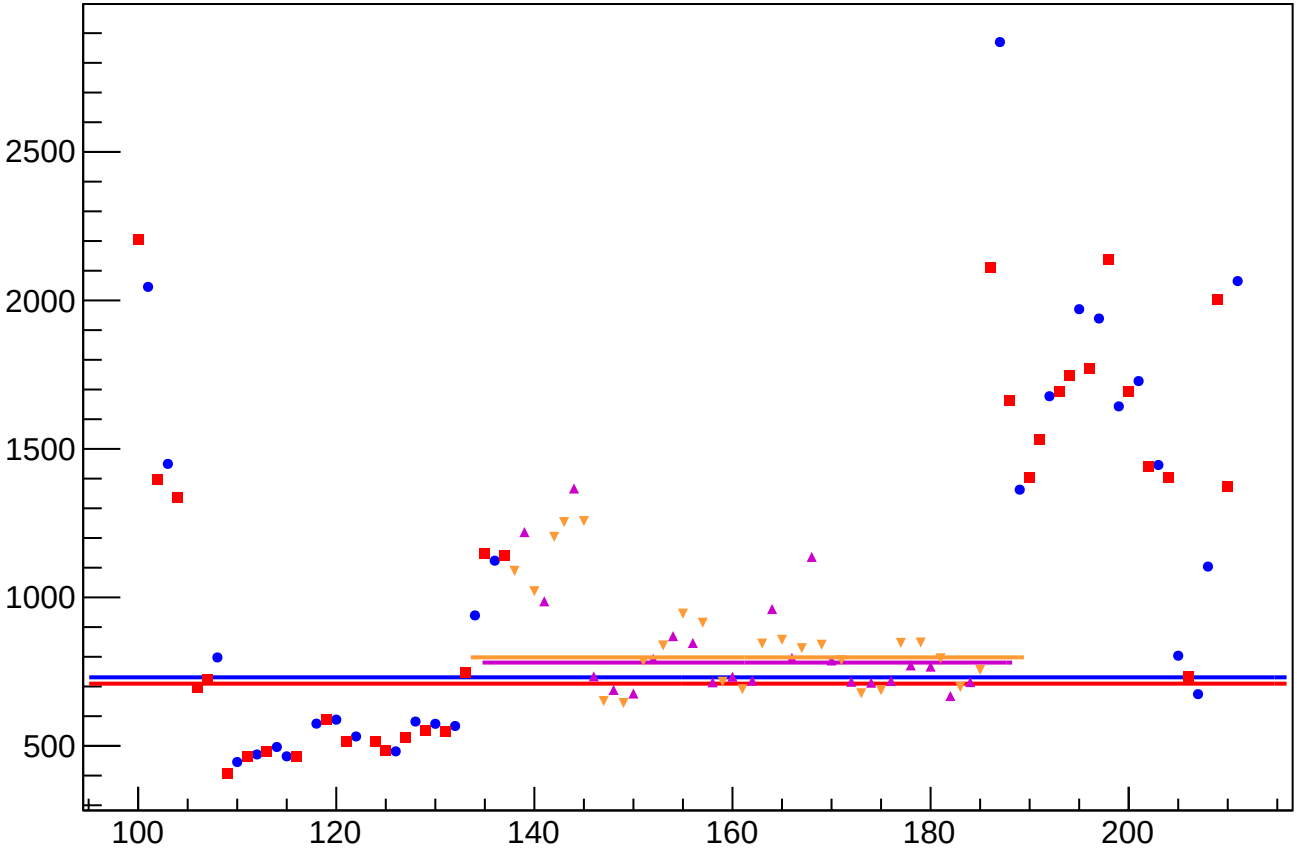
Left In: -67.157+/-185.436 χ^2/NDF:15.8/22

+ sign -523.553+/-137.391 χ^2/NDF: 103.9/52

All: -395.467+/-95.960 χ^2/NDF: 163.0/108

- sign -273.469+/-134.086 χ^2/NDF: 57.4/55

asym_atr1_eigen_dit_correction_rms vs Slug



Right In: 730.852+/-0.145 χ^2/NDF: 7253429.5/27

Left Out: 798.092+/-0.131 χ^2/NDF:1168353.9/24

Right Out: 709.516+/-0.137 χ^2/NDF: 8832419.1/32

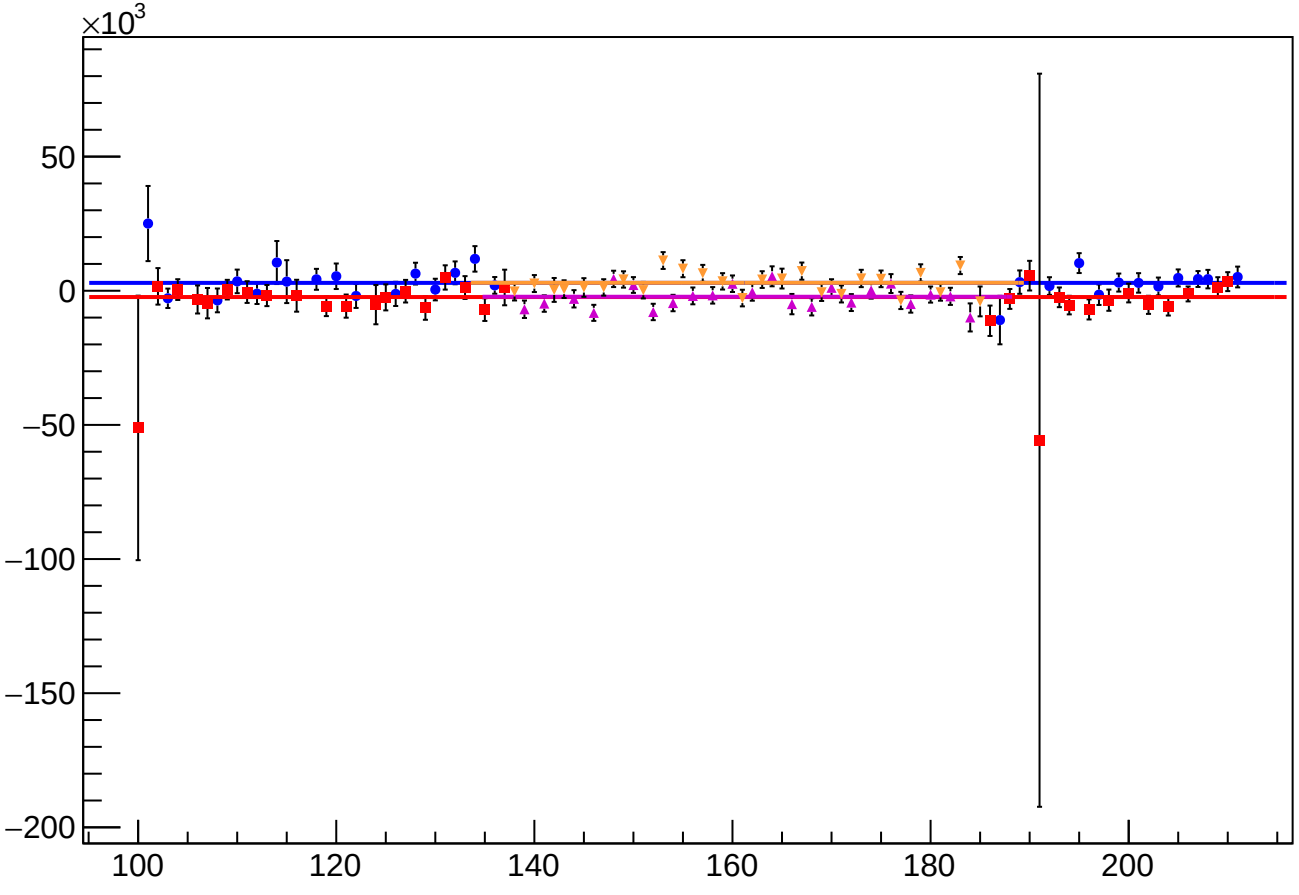
Left In: 780.525+/-0.131 χ^2/NDF:1064830.7/22

+ sign 767.935+/-0.097 χ^2/NDF: 8540270.2/52

All: 757.030+/-0.068 χ^2/NDF: 18602057.6/10

- sign 746.643+/-0.095 χ^2/NDF: 10037186.0/55

asym_atr1_mean vs Slug



Right In: 2937.656+/-759.409 χ^2/NDF: 26.1/27

Left Out: 2969.337+/-653.286 χ^2/NDF:35.7/24

Right Out: -2341.103+/-738.190 χ^2/NDF: 23.3/32

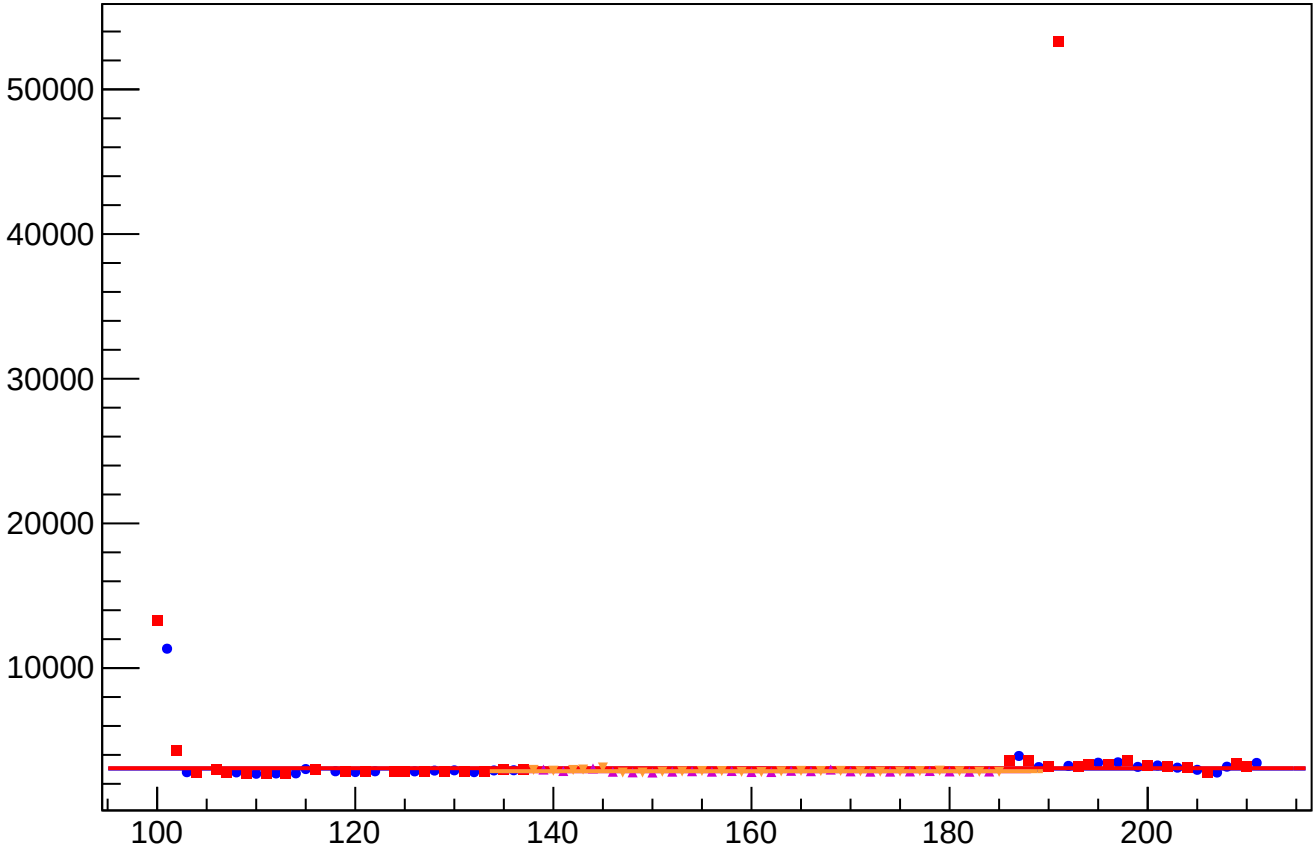
Left In: -2237.495+/-670.327 χ^2/NDF:33.8/22

+ sign 2955.863+/-495.249 χ^2/NDF: 61.8/52

All: 341.084+/-350.549 χ^2/NDF: 174.8/108

- sign -2284.319+/-496.254 χ^2/NDF: 57.1/55

asym_atr1_rms vs Slug



Right In: 3052.125+/-0.537 χ^2/NDF: 908735.6/27

Left Out: 2874.933+/-0.462 χ^2/NDF:21788.8/24

Right Out: 3080.688+/-0.522 χ^2/NDF: 754133.5/32

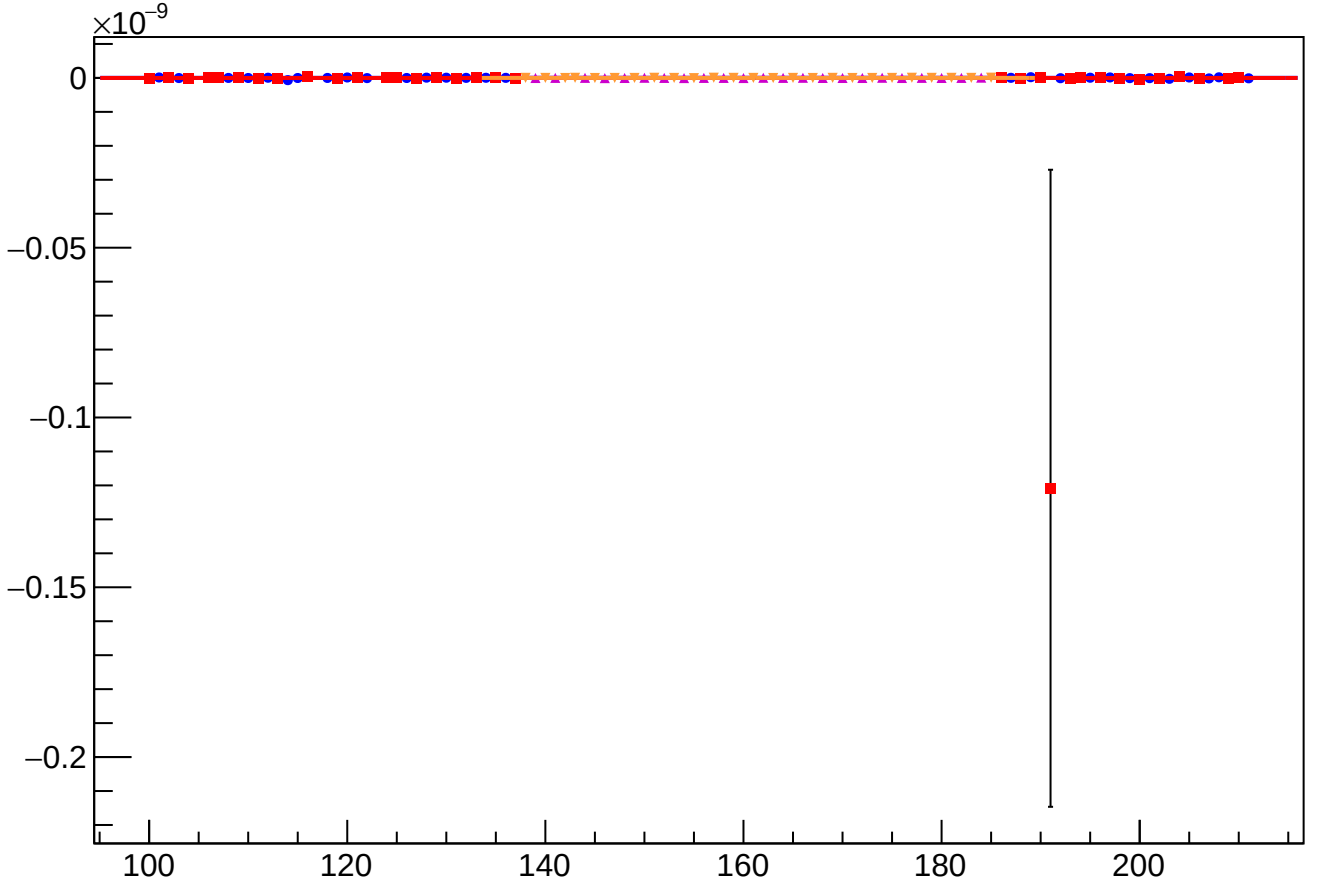
Left In: 2870.153+/-0.474 χ^2/NDF:17687.5/22

+ sign 2950.293+/-0.350 χ^2/NDF: 993100.5/52

All: 2957.782+/-0.248 χ^2/NDF: 1855000.2/10

- sign 2965.301+/-0.351 χ^2/NDF: 860983.3/55

asym_atr1_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 24.1/27

Left Out: 0.000+/-0.000 χ^2/NDF:14.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 41.5/32

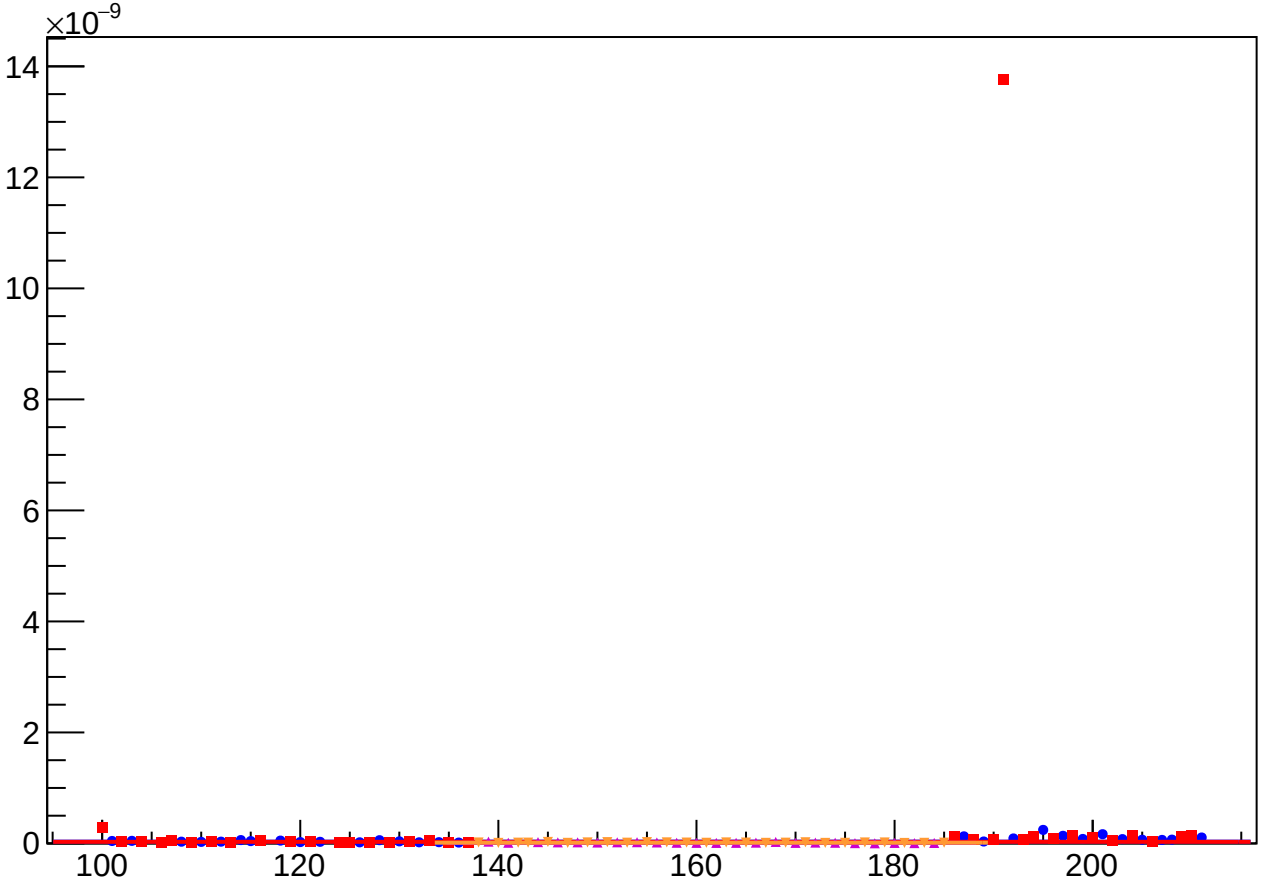
Left In: 0.000+/-0.000 χ^2/NDF:27.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 39.6/52

All: 0.000+/-0.000 χ^2/NDF: 110.5/108

- sign 0.000+/-0.000 χ^2/NDF: 70.8/55

asym_atr1_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 4346762.6/27

Left Out: 0.000+/-0.000 χ^2/NDF:1210269.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4519670.1/32

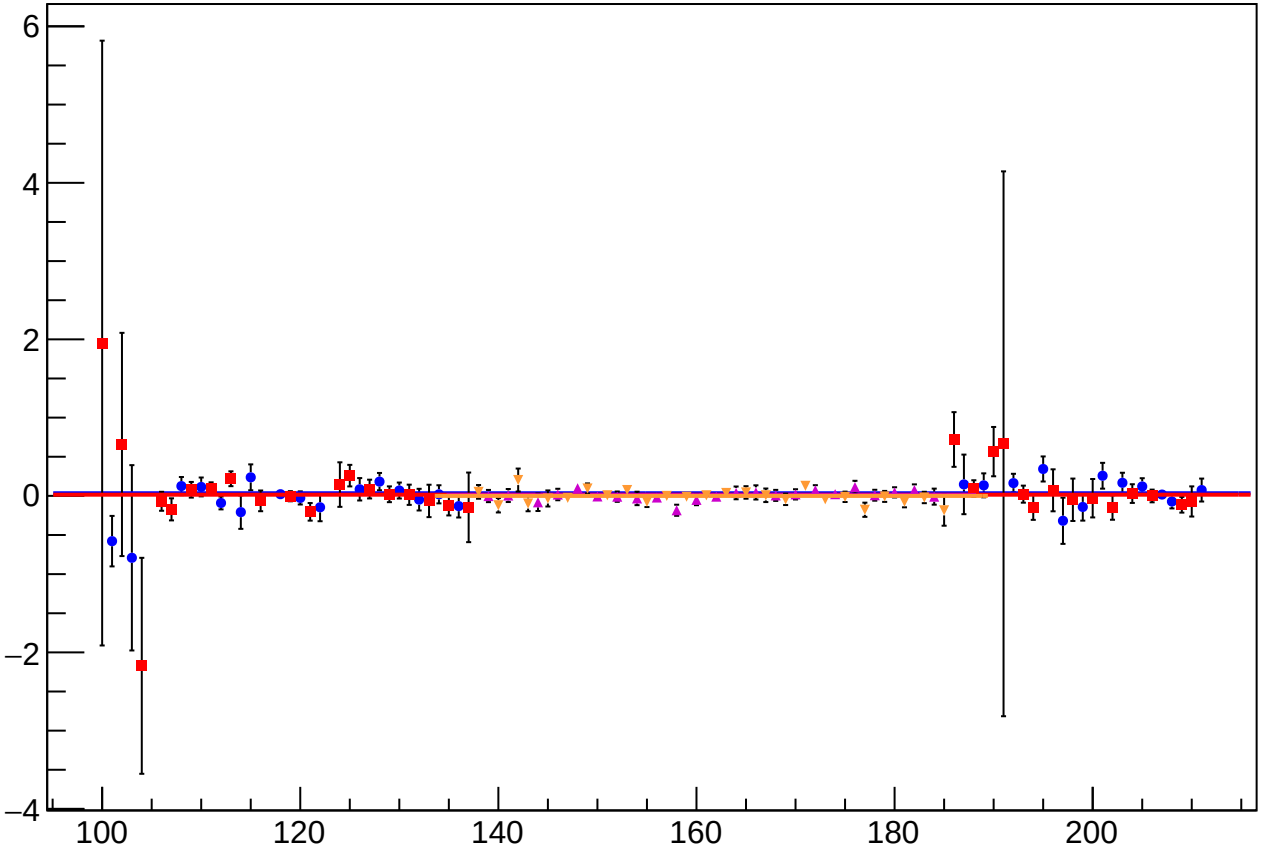
Left In: 0.000+/-0.000 χ^2/NDF:3166775.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 8151375.2/52

All: 0.000+/-0.000 χ^2/NDF: 18916952.3/108

- sign 0.000+/-0.000 χ^2/NDF: 10465477.3/55

asym_atr1_dit_vs_cor_diff_mean vs Slug



Right In: 0.033+/-0.021 χ^2/NDF: 28.6/27

Left Out: -0.000+/-0.014 χ^2/NDF:22.6/24

Right Out: 0.015+/-0.023 χ^2/NDF: 32.8/32

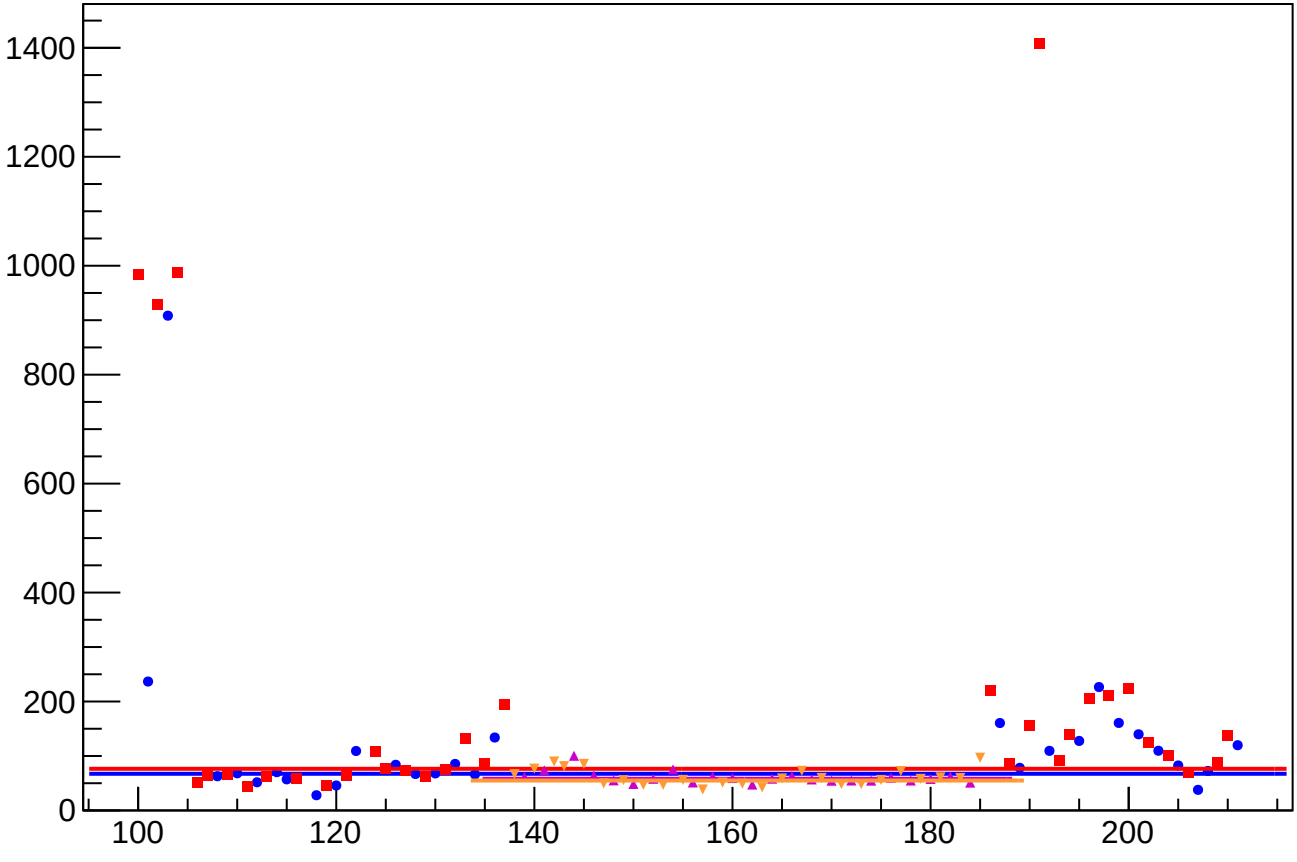
Left In: 0.008+/-0.015 χ^2/NDF:15.5/22

+ sign 0.010+/-0.012 χ^2/NDF: 52.9/52

All: 0.010+/-0.009 χ^2/NDF: 101.2/108

- sign 0.010+/-0.012 χ^2/NDF: 48.3/55

asym_atr1_dit_vs_cor_diff_rms vs Slug



Right In: 67.350+/-0.015 χ^2/NDF: 6746887.4/27

Left Out: 54.931+/-0.010 χ^2/NDF:1297647.2/24

Right Out: 76.499+/-0.016 χ^2/NDF: 6471535.2/32

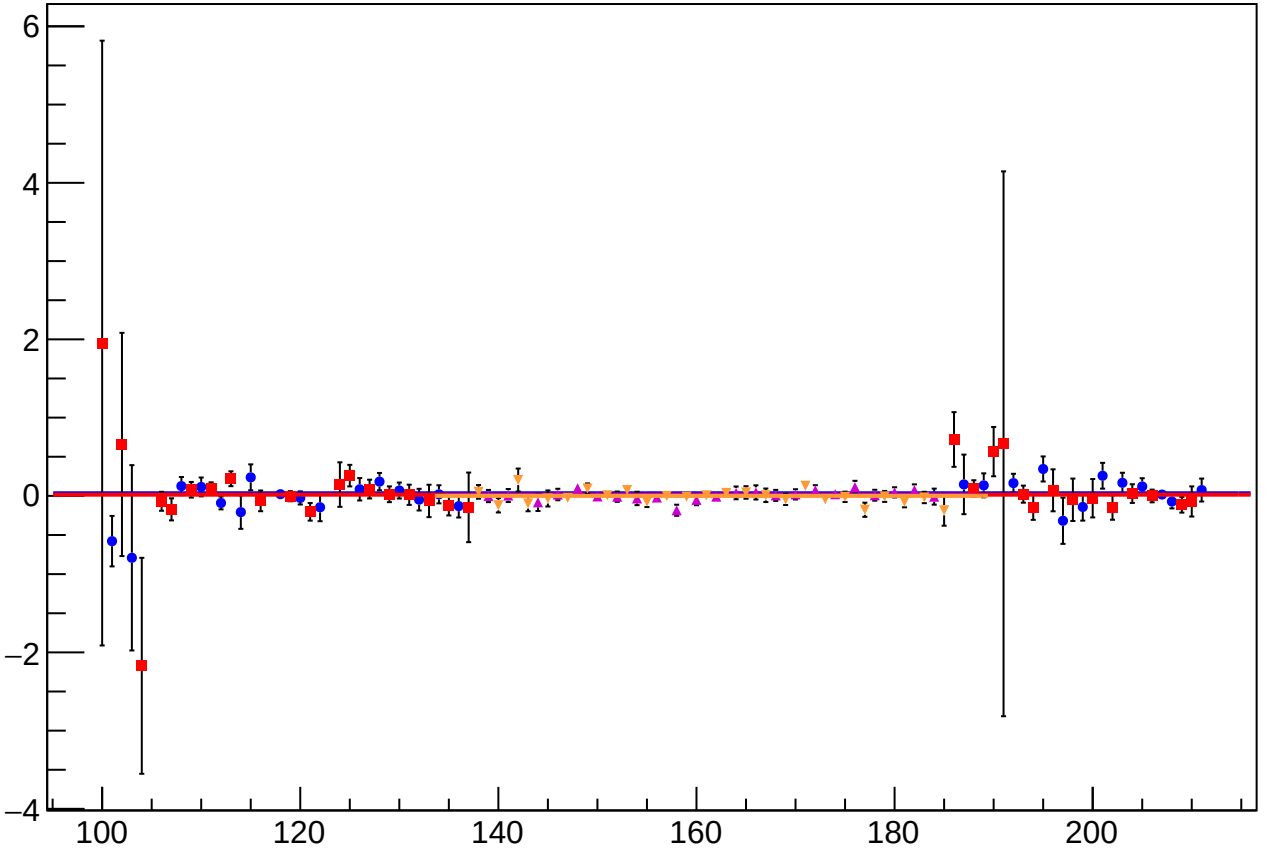
Left In: 58.138+/-0.010 χ^2/NDF:657436.9/22

+ sign 58.677+/-0.008 χ^2/NDF: 8512966.0/52

All: 61.019+/-0.006 χ^2/NDF: 16724178.8/108

- sign 63.624+/-0.009 χ^2/NDF: 8044231.9/55

asym_atr1_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.033+/-0.021 χ^2/NDF: 28.6/27

Left Out: -0.000+/-0.014 χ^2/NDF:22.6/24

Right Out: 0.015+/-0.023 χ^2/NDF: 32.8/32

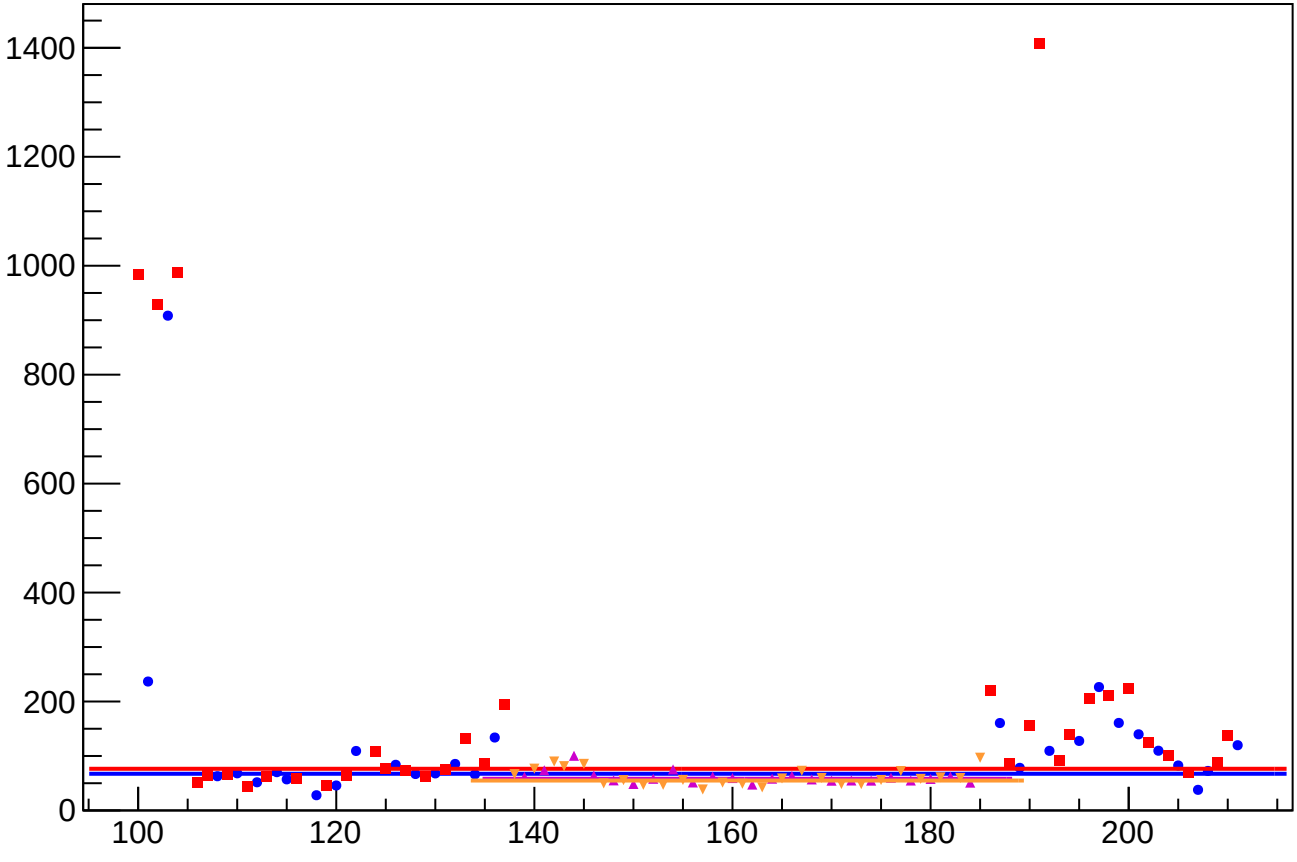
Left In: 0.008+/-0.015 χ^2/NDF:15.5/22

\+ sign 0.010+/-0.012 χ^2/NDF: 52.9/52

All: 0.010+/-0.009 χ^2/NDF: 101.2/108

\- sign 0.010+/-0.012 χ^2/NDF: 48.3/55

asym_atr1_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 67.350+/-0.015 χ^2/NDF: 6746887.4/27

Left Out: 54.931+/-0.010 χ^2/NDF:1297647.2/24

Right Out: 76.499+/-0.016 χ^2/NDF: 6471535.2/32

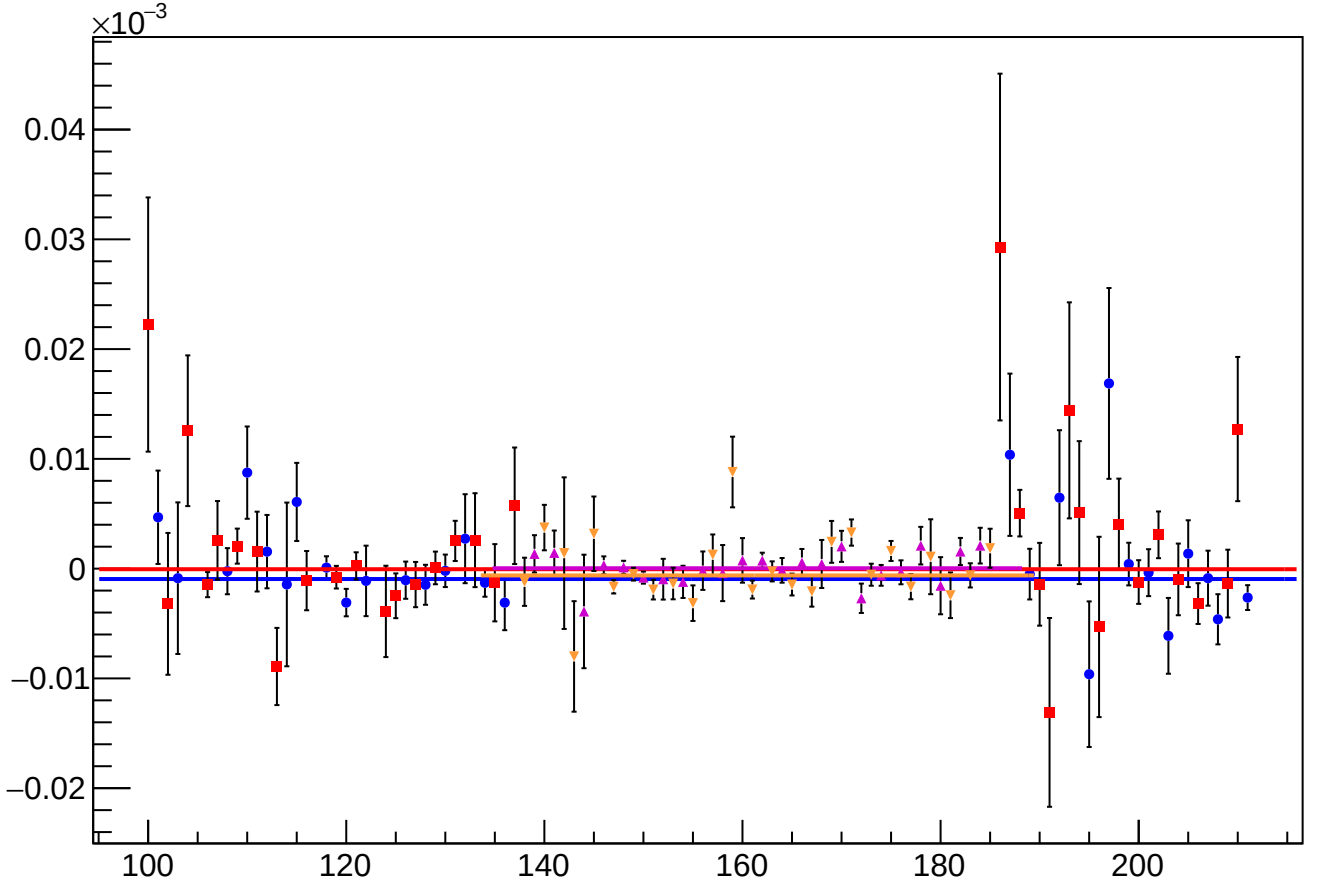
Left In: 58.138+/-0.010 χ^2/NDF:657436.9/22

+ sign 58.677+/-0.008 χ^2/NDF: 8512966.0/52

All: 61.019+/-0.006 χ^2/NDF: 16724178.8/108

- sign 63.624+/-0.009 χ^2/NDF: 8044231.9/55

asym_atr1_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 35.5/27

Left Out: -0.000+/-0.000 χ^2/NDF:52.8/24

Right Out: -0.000+/-0.000 χ^2/NDF: 50.0/32

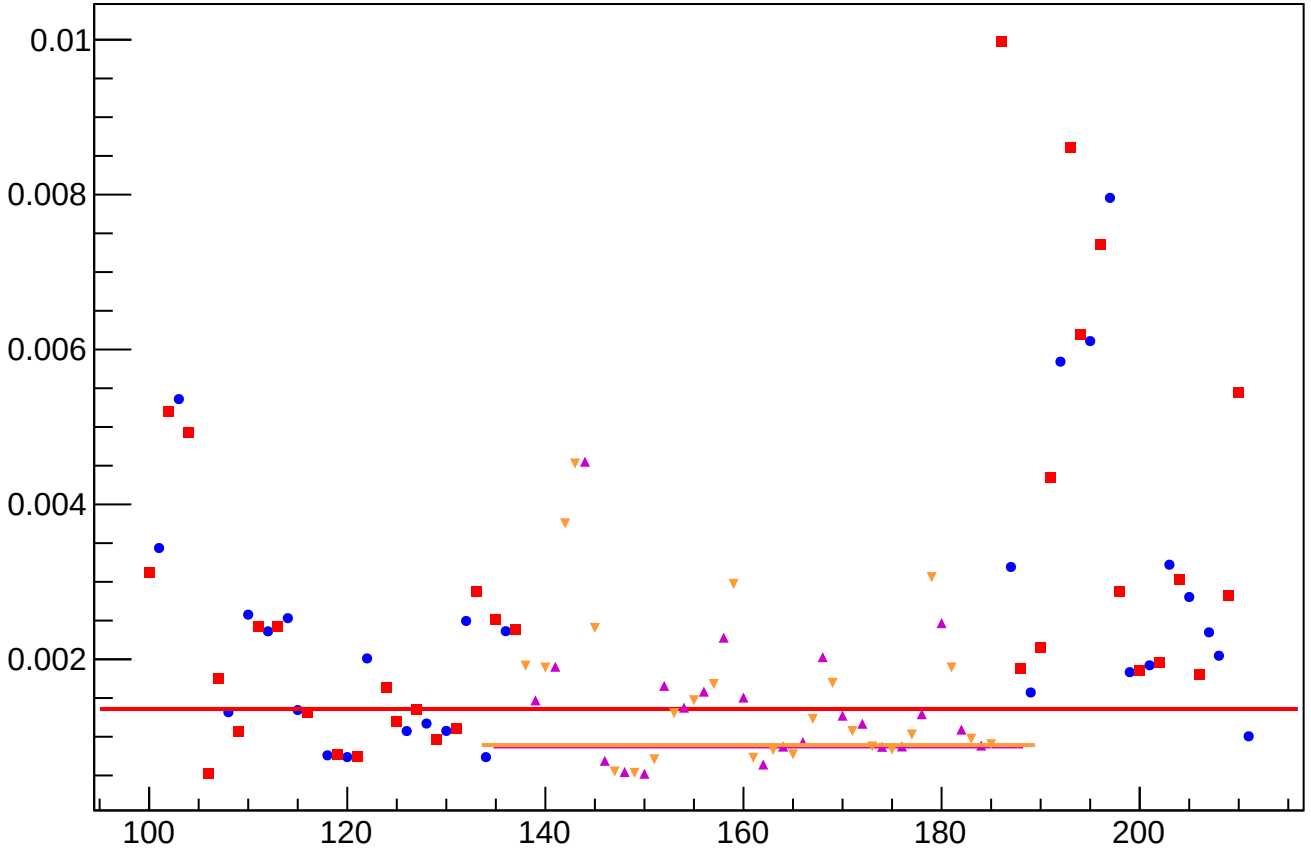
Left In: 0.000+/-0.000 χ^2/NDF:18.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 88.8/52

All: -0.000+/-0.000 χ^2/NDF: 163.2/108

- sign 0.000+/-0.000 χ^2/NDF: 68.3/55

asym_atr1_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 9264328.3/27

Left Out: 0.001+/-0.000 χ^2/NDF:7739119.9/24

Right Out: 0.001+/-0.000 χ^2/NDF: 11426042.0/32

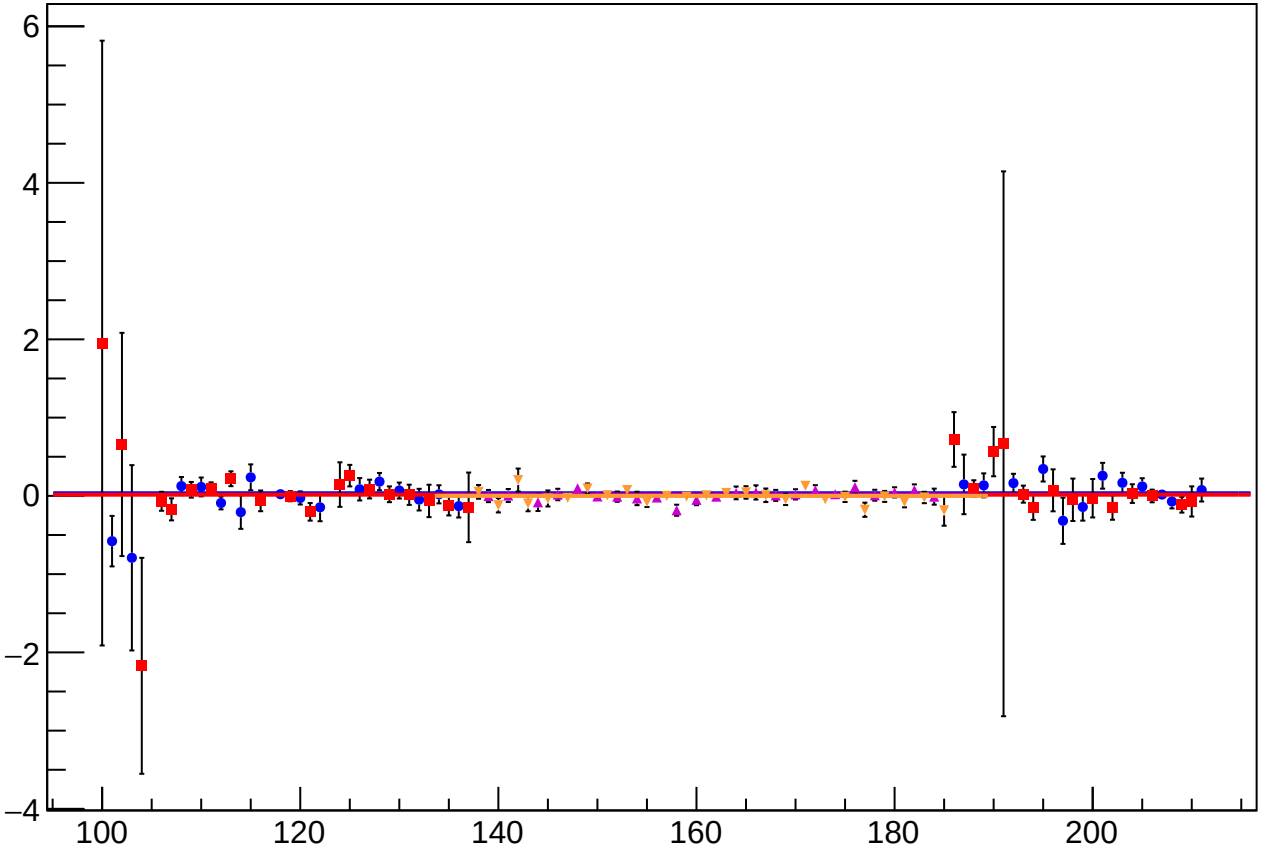
Left In: 0.001+/-0.000 χ^2/NDF:6963716.3/22

+ sign 0.001+/-0.000 χ^2/NDF: 19018136.7/52

All: 0.001+/-0.000 χ^2/NDF: 39528555.9/108

- sign 0.001+/-0.000 χ^2/NDF: 20505742.7/55

asym_atr1_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.033+/-0.021 χ^2/NDF: 28.6/27

Left Out: -0.000+/-0.014 χ^2/NDF:22.6/24

Right Out: 0.015+/-0.023 χ^2/NDF: 32.8/32

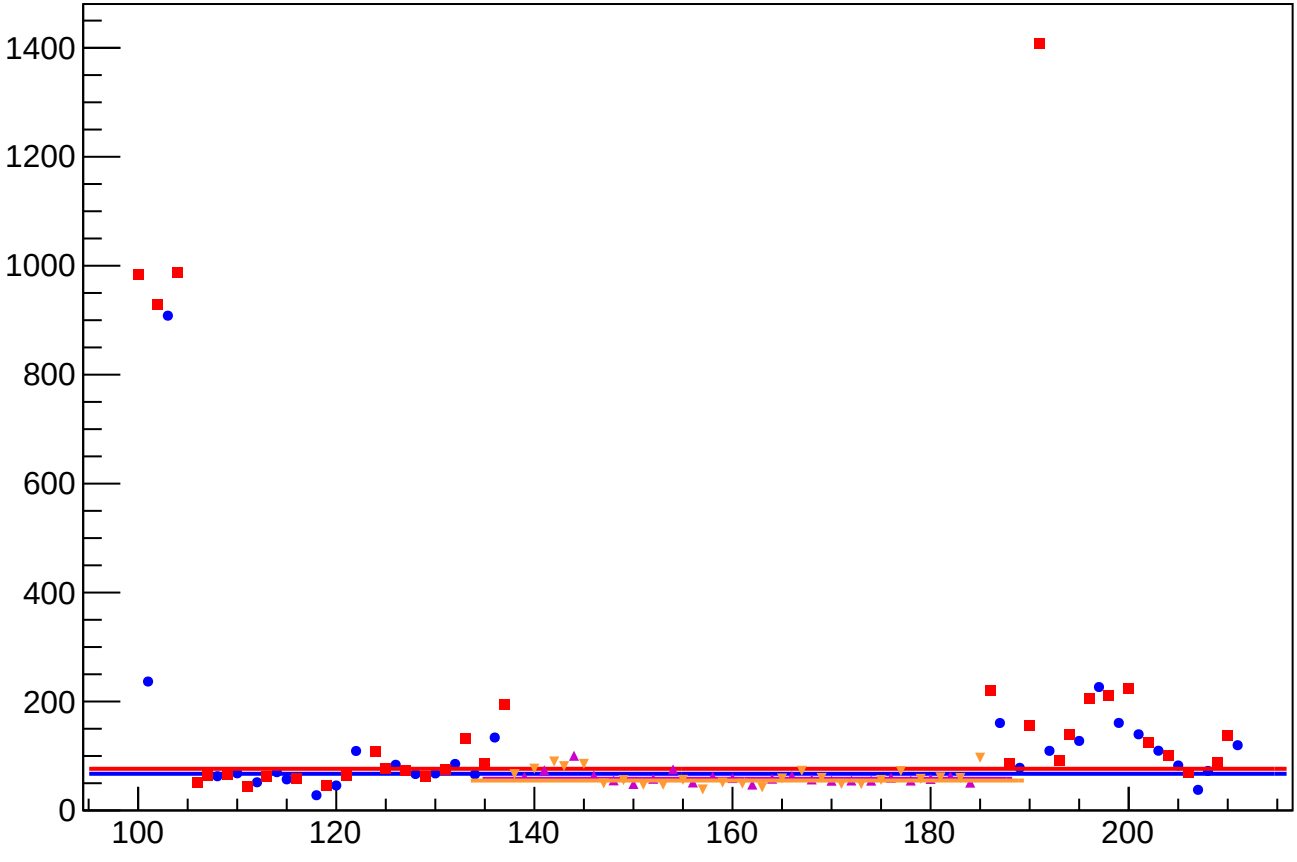
Left In: 0.008+/-0.015 χ^2/NDF:15.5/22

+ sign 0.010+/-0.012 χ^2/NDF: 52.9/52

All: 0.010+/-0.009 χ^2/NDF: 101.2/108

- sign 0.010+/-0.012 χ^2/NDF: 48.3/55

asym_atr1_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 67.349+/-0.015 χ^2/NDF: 6747145.6/27

Left Out: 54.930+/-0.010 χ^2/NDF:1297722.9/24

Right Out: 76.499+/-0.016 χ^2/NDF: 6471572.6/32

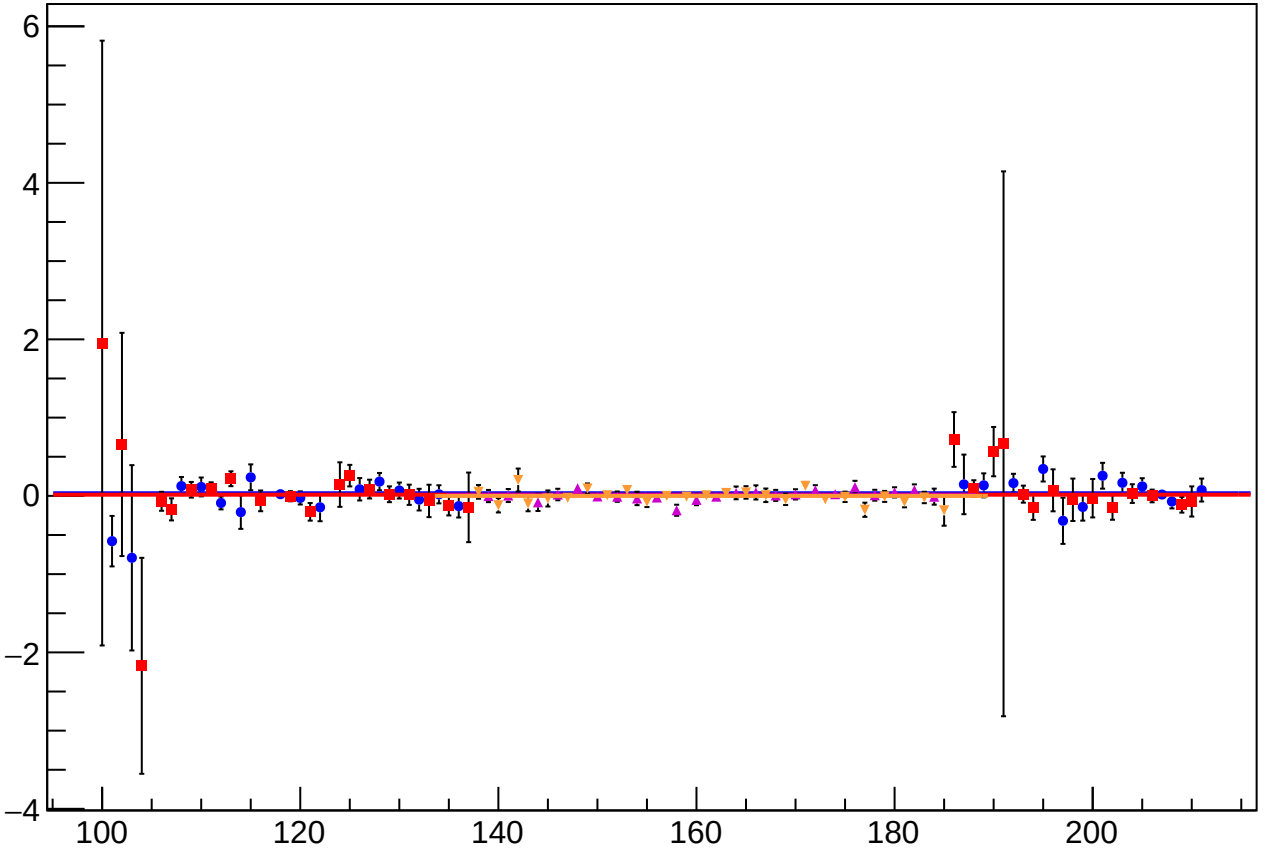
Left In: 58.138+/-0.010 χ^2/NDF:657460.3/22

+ sign 58.677+/-0.008 χ^2/NDF: 8513250.8/52

All: 61.018+/-0.006 χ^2/NDF: 16724548.2/108

- sign 63.624+/-0.009 χ^2/NDF: 8044274.0/55

asym_atr1_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.033+/-0.021 χ^2/NDF: 28.6/27

Left Out: -0.000+/-0.014 χ^2/NDF:22.6/24

Right Out: 0.015+/-0.023 χ^2/NDF: 32.8/32

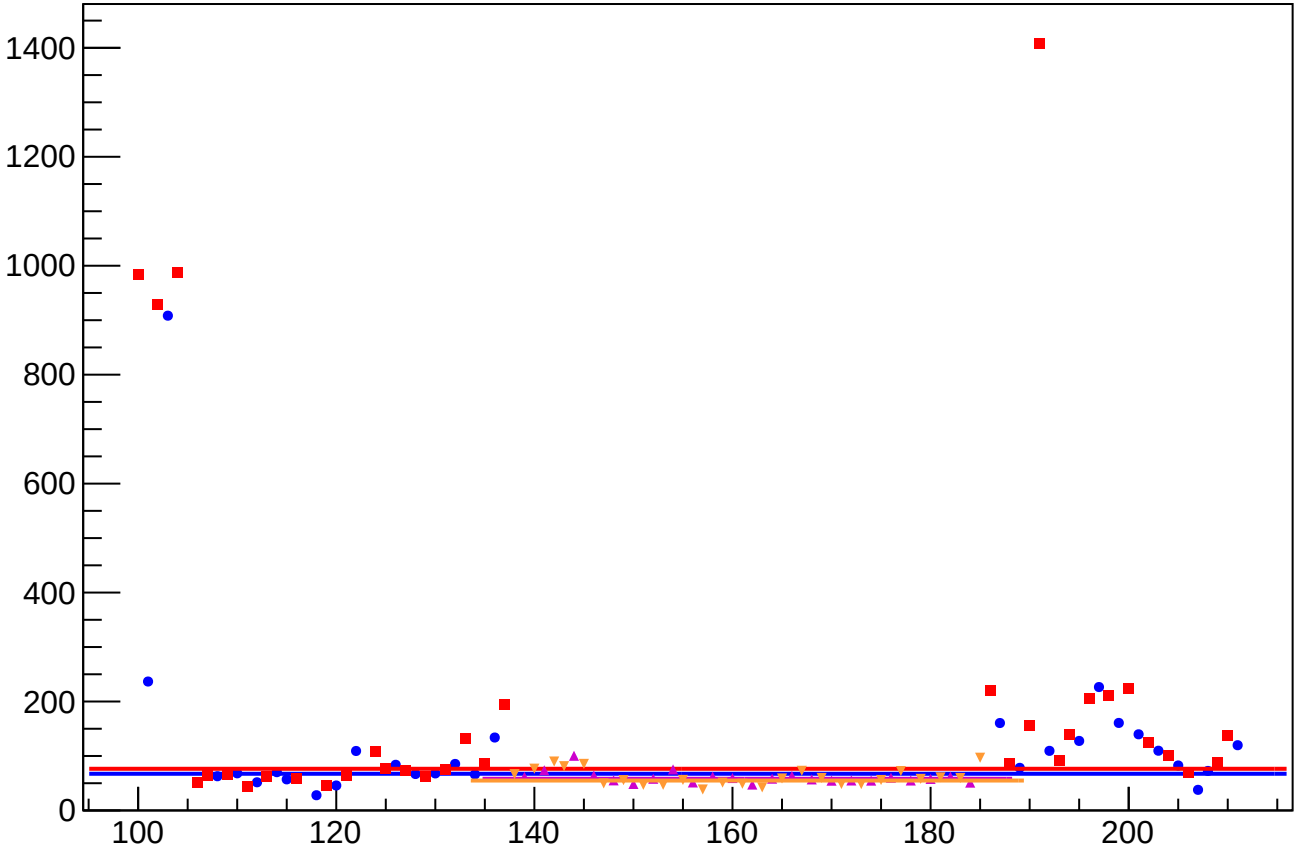
Left In: 0.008+/-0.015 χ^2/NDF:15.5/22

+ sign 0.010+/-0.012 χ^2/NDF: 52.9/52

All: 0.010+/-0.009 χ^2/NDF: 101.2/108

- sign 0.010+/-0.012 χ^2/NDF: 48.3/55

asym_atr1_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 67.349+/-0.015 χ^2/NDF: 6747145.6/27

Left Out: 54.930+/-0.010 χ^2/NDF:1297722.9/24

Right Out: 76.499+/-0.016 χ^2/NDF: 6471572.6/32

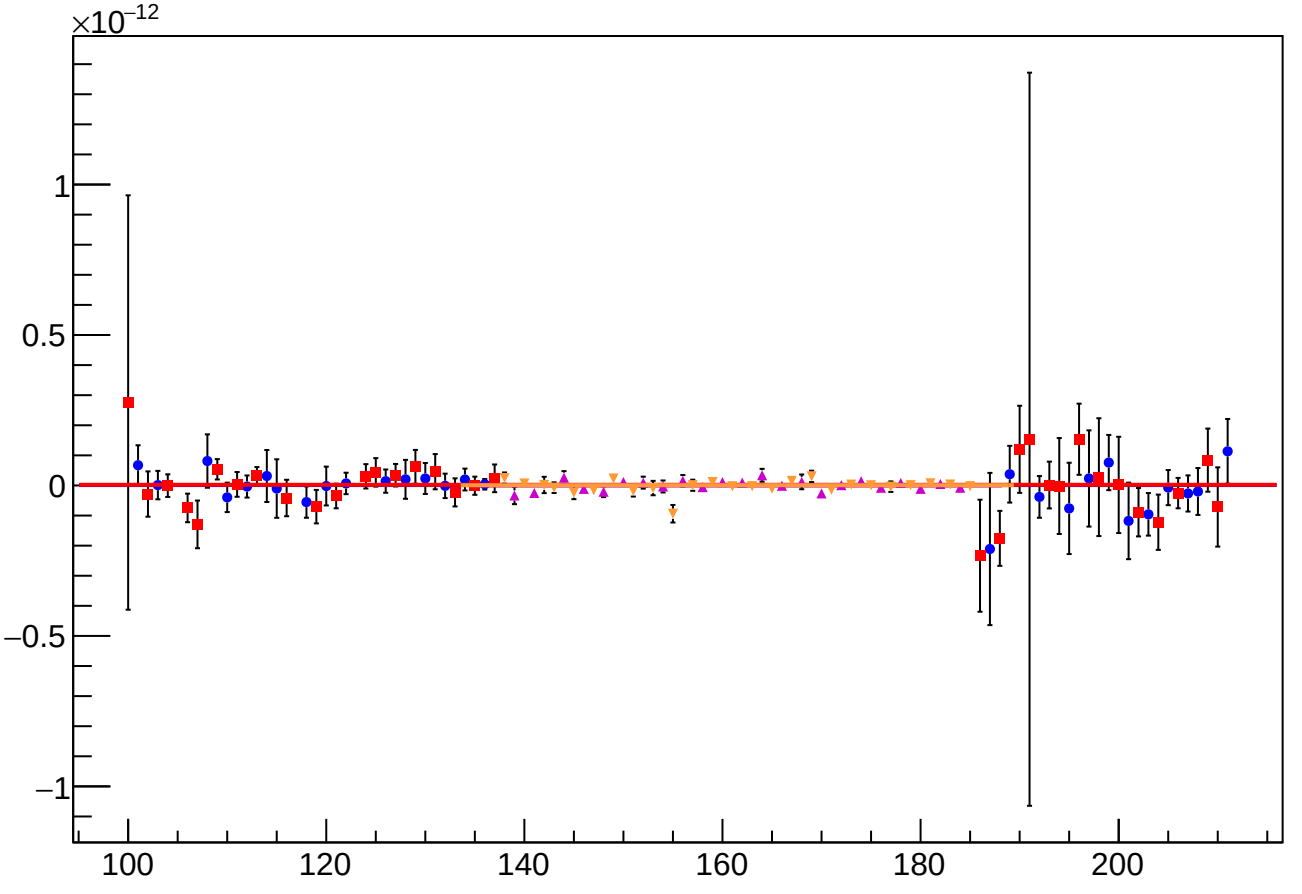
Left In: 58.138+/-0.010 χ^2/NDF:657460.3/22

+ sign 58.677+/-0.008 χ^2/NDF: 8513250.8/52

All: 61.018+/-0.006 χ^2/NDF: 16724548.2/108

- sign 63.624+/-0.009 χ^2/NDF: 8044274.0/55

asym_atr1_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 10.8/27

Left Out: 0.000+/-0.000 χ^2/NDF:25.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 28.4/32

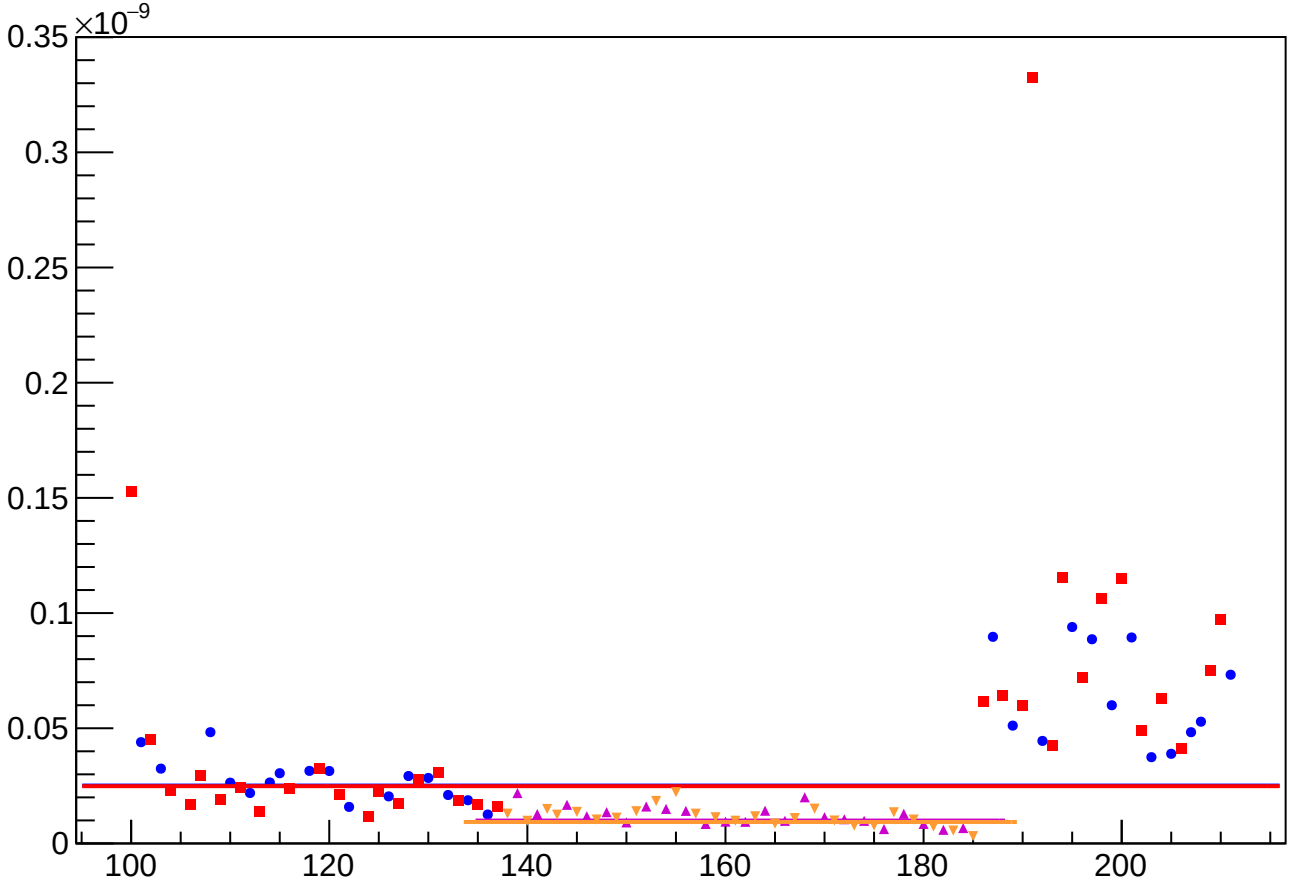
Left In: -0.000+/-0.000 χ^2/NDF:20.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 36.1/52

All: 0.000+/-0.000 χ^2/NDF: 84.9/108

- sign 0.000+/-0.000 χ^2/NDF: 48.7/55

asym_atr1_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 4802406.2/27

Left Out: 0.000+/-0.000 χ^2/NDF:3070809.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5792459.3/32

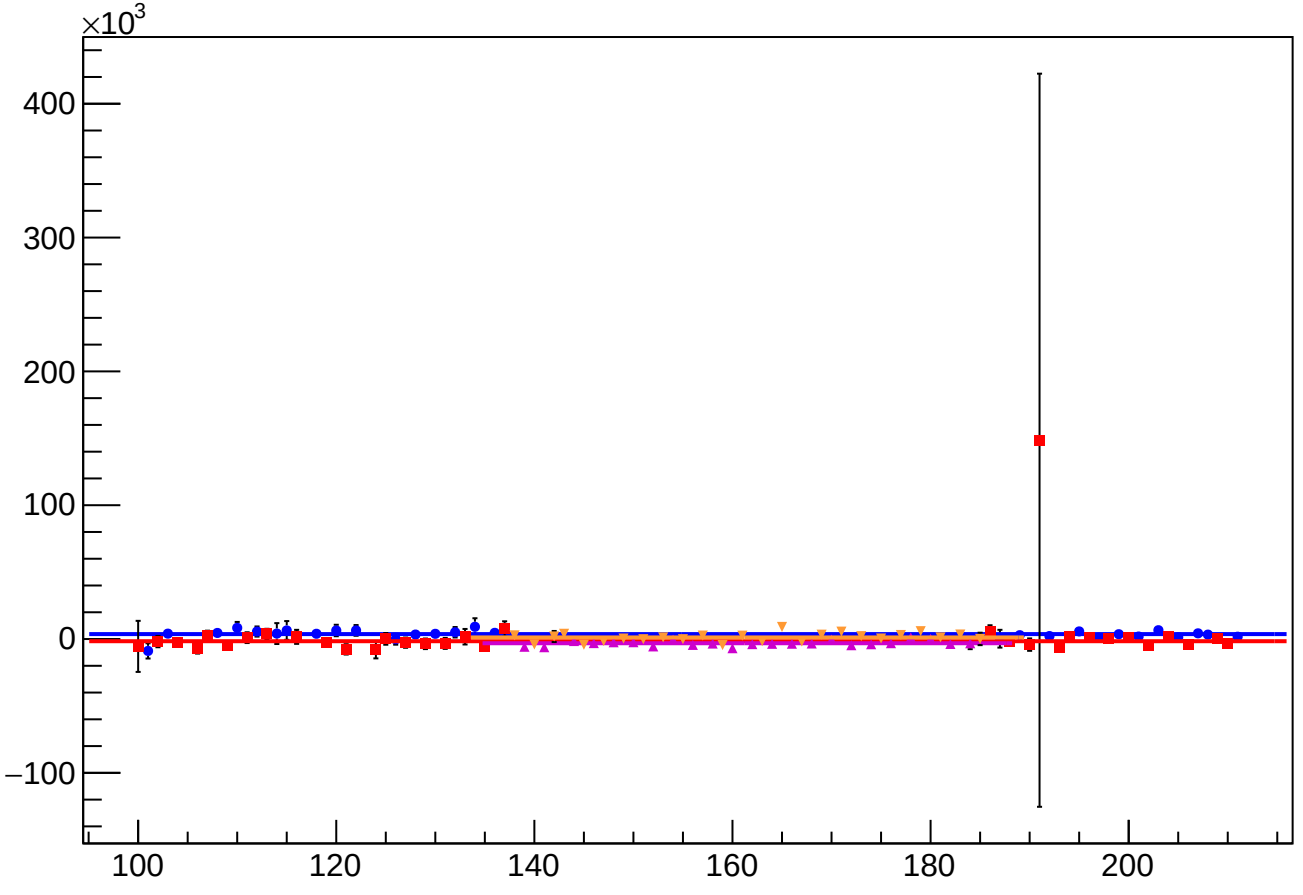
Left In: 0.000+/-0.000 χ^2/NDF:2573277.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 12997872.5/52

All: 0.000+/-0.000 χ^2/NDF: 25948493.6/108

- sign 0.000+/-0.000 χ^2/NDF: 12885466.6/55

reg_asym_atr2_mean vs Slug



Right In: 3688.355+/-652.200 χ^2/NDF: 13.3/27

Left Out: 1188.836+/-556.242 χ^2/NDF:31.1/24

Right Out: -1633.582+/-629.986 χ^2/NDF: 28.5/32

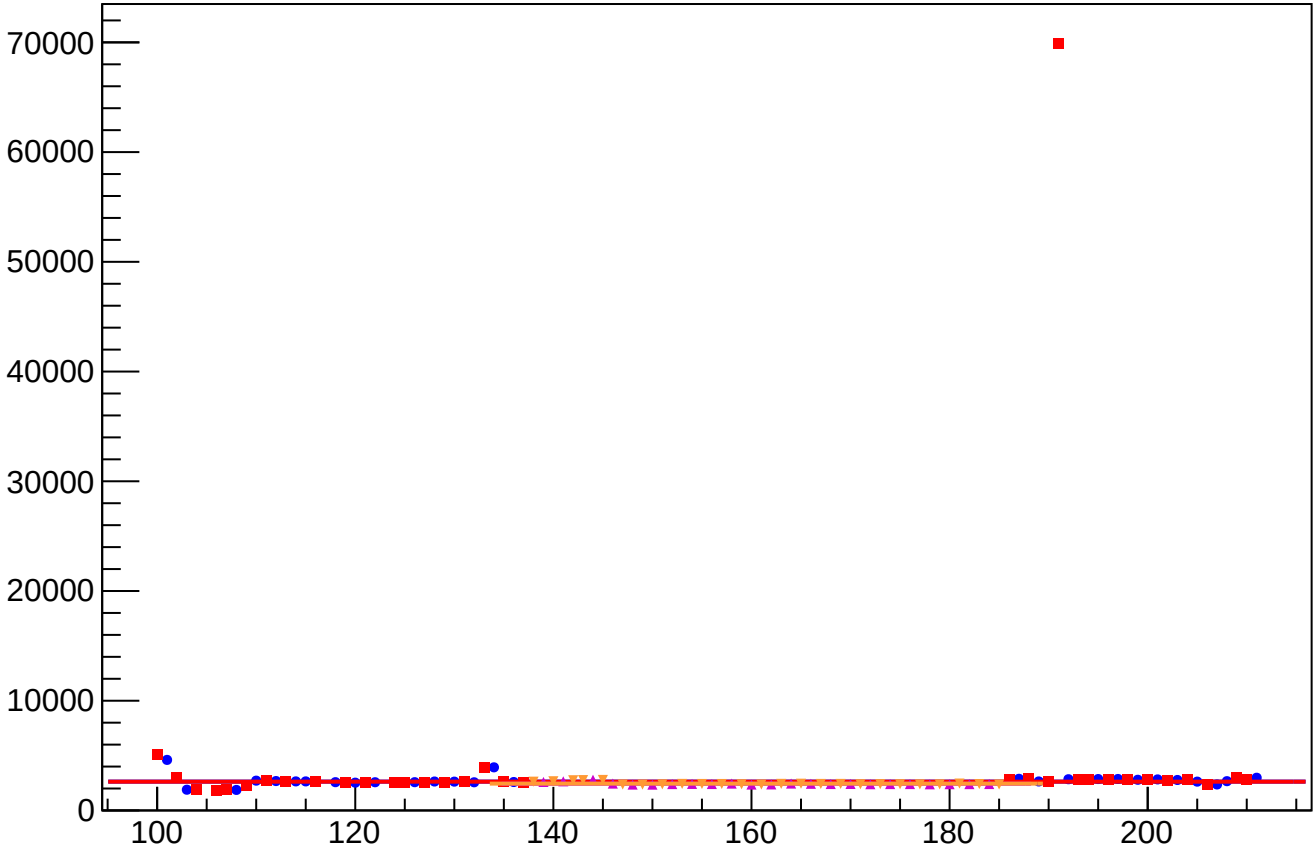
Left In: -3147.419+/-569.221 χ^2/NDF:12.7/22

+ sign 2241.361+/-423.222 χ^2/NDF: 53.0/52

All: -117.664+/-298.956 χ^2/NDF: 159.3/108

- sign -2467.012+/-422.353 χ^2/NDF: 44.4/55

reg_asym_atr2_rms vs Slug



Right In: 2629.411+/-0.461 χ^2/NDF: 744664.1/27

Left Out: 2445.826+/-0.393 χ^2/NDF:90014.8/24

Right Out: 2623.255+/-0.445 χ^2/NDF: 790231.4/32

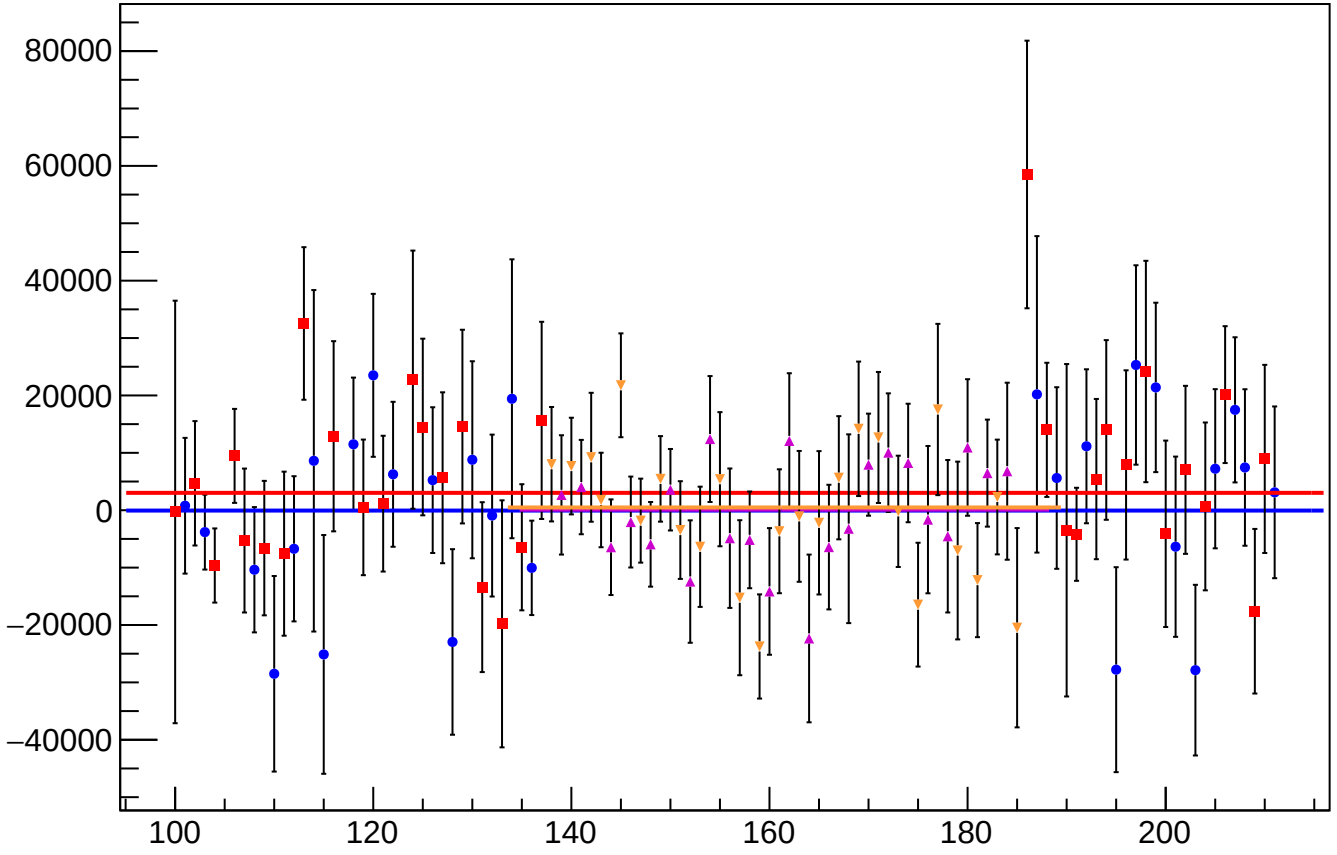
Left In: 2435.950+/-0.403 χ^2/NDF:59189.9/22

+ sign 2523.132+/-0.299 χ^2/NDF: 926418.5/52

All: 2521.631+/-0.211 χ^2/NDF: 1873222.3/10

- sign 2520.136+/-0.299 χ^2/NDF: 946753.6/55

asym_atr2_reg_correction_mean vs Slug



Right In: -59.810+/-2519.757 χ^2/NDF: 28.6/27

Left Out: 477.187+/-2035.969 χ^2/NDF:27.4/24

Right Out: 3027.572+/-2277.612 χ^2/NDF: 30.7/32

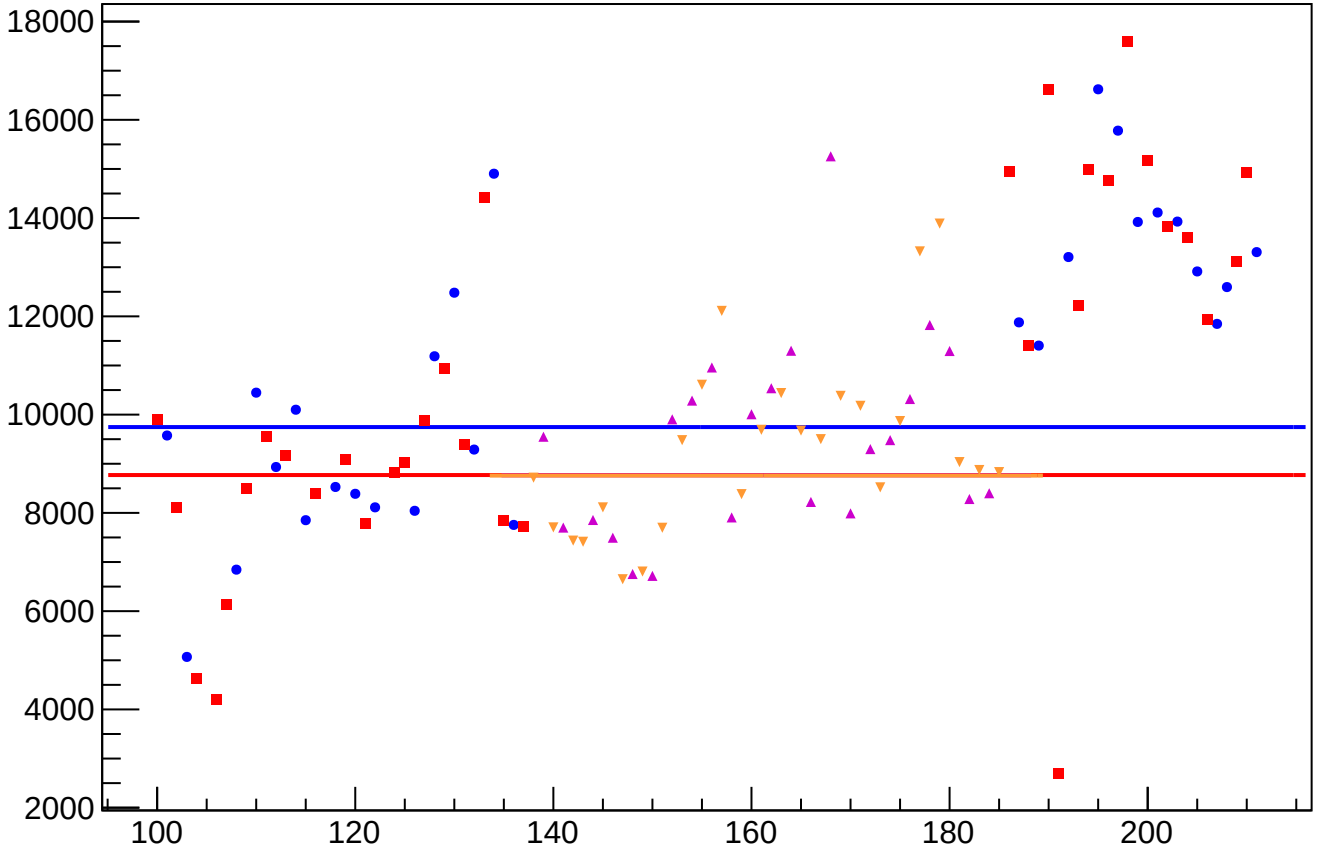
Left In: 104.954+/-2090.899 χ^2/NDF:14.5/22

+ sign 265.078+/-1583.624 χ^2/NDF: 56.0/52

All: 869.650+/-1104.146 χ^2/NDF: 102.4/108

- sign 1441.576+/-1540.274 χ^2/NDF: 46.1/55

asym_atr2_reg_correction_rms vs Slug



Right In: 9746.697+/-1.782 χ^2/NDF: 3120957.4/27

Left Out: 8759.635+/-1.440 χ^2/NDF:1222238.0/24

Right Out: 8770.244+/-1.611 χ^2/NDF: 5781840.5/32

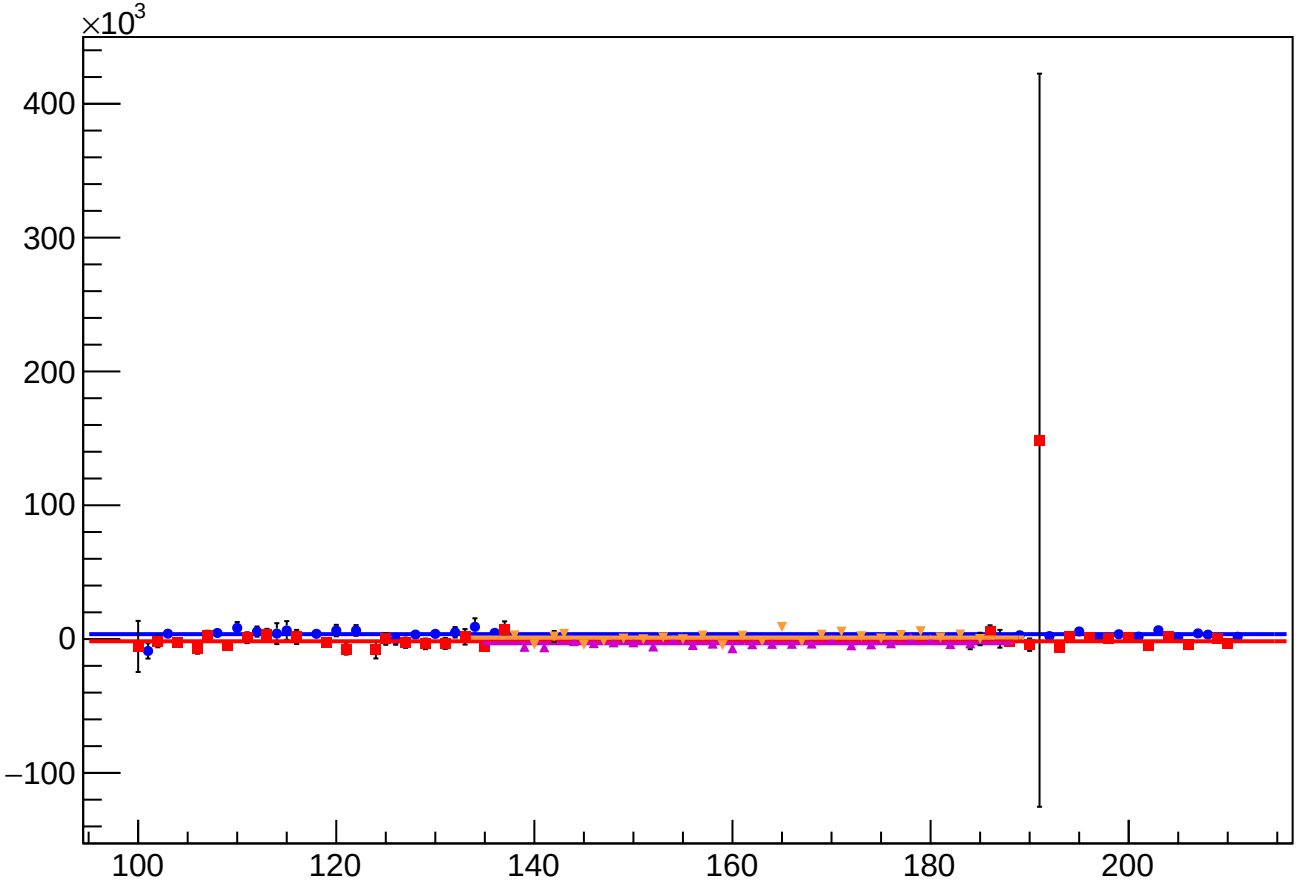
Left In: 8764.138+/-1.478 χ^2/NDF:1291698.9/22

+ sign 9149.515+/-1.120 χ^2/NDF: 4528874.7/52

All: 8952.915+/-0.781 χ^2/NDF: 11662406.4/1

- sign 8766.930+/-1.089 χ^2/NDF: 7073547.2/55

cor_asym_atr2_mean vs Slug



Right In: 3688.222+/-652.200 χ^2/NDF: 13.3/27

Left Out: 1188.666+/-556.242 χ^2/NDF:31.1/24

Right Out: -1633.918+/-629.989 χ^2/NDF: 28.5/32

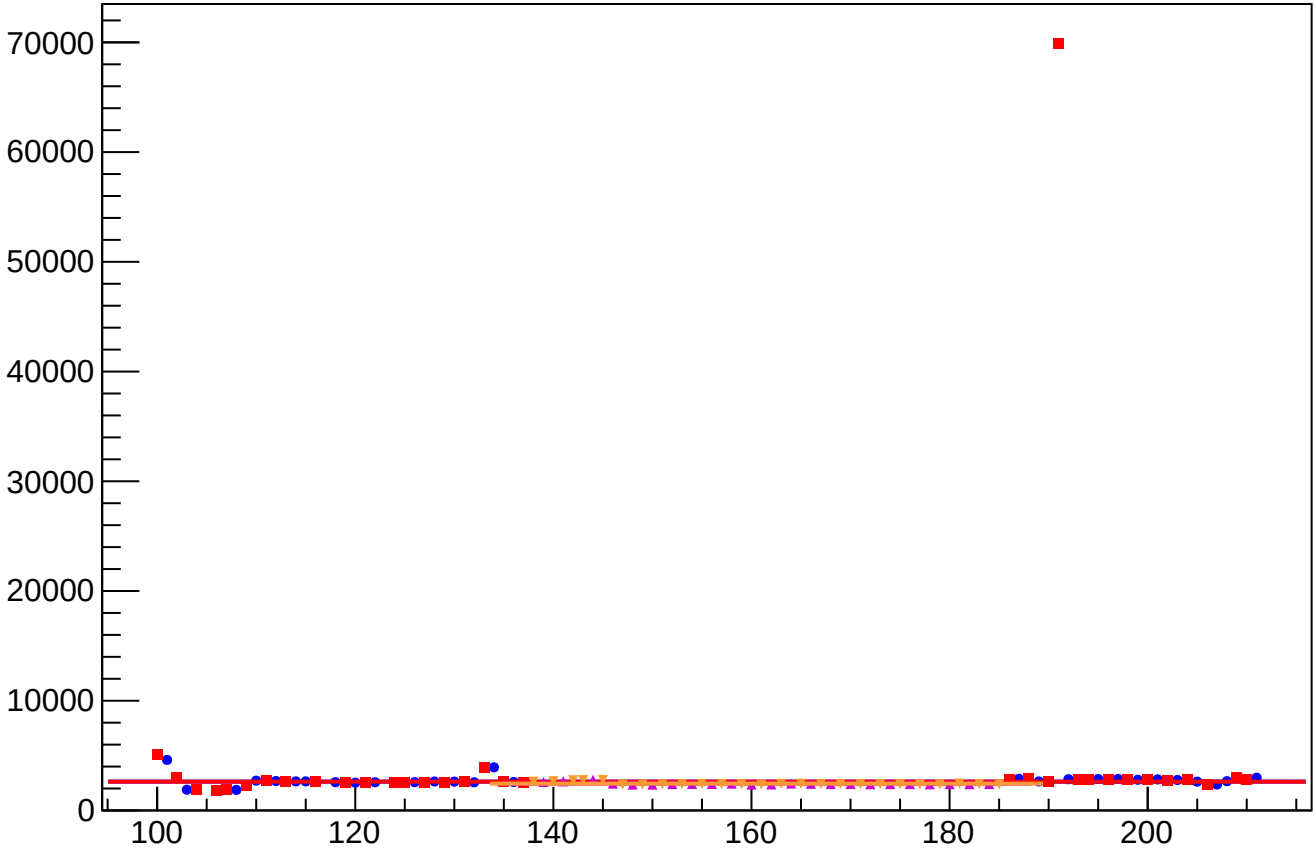
Left In: -3147.222+/-569.221 χ^2/NDF:12.7/22

+ sign 2241.207+/-423.222 χ^2/NDF: 53.0/52

All: -117.760+/-298.956 χ^2/NDF: 159.4/108

- sign -2467.057+/-422.354 χ^2/NDF: 44.4/55

cor_asym_atr2_rms vs Slug



Right In: 2629.412+/-0.461 χ^2/NDF: 744661.4/27

Left Out: 2445.826+/-0.393 χ^2/NDF:90014.8/24

Right Out: 2623.268+/-0.445 χ^2/NDF: 790156.0/32

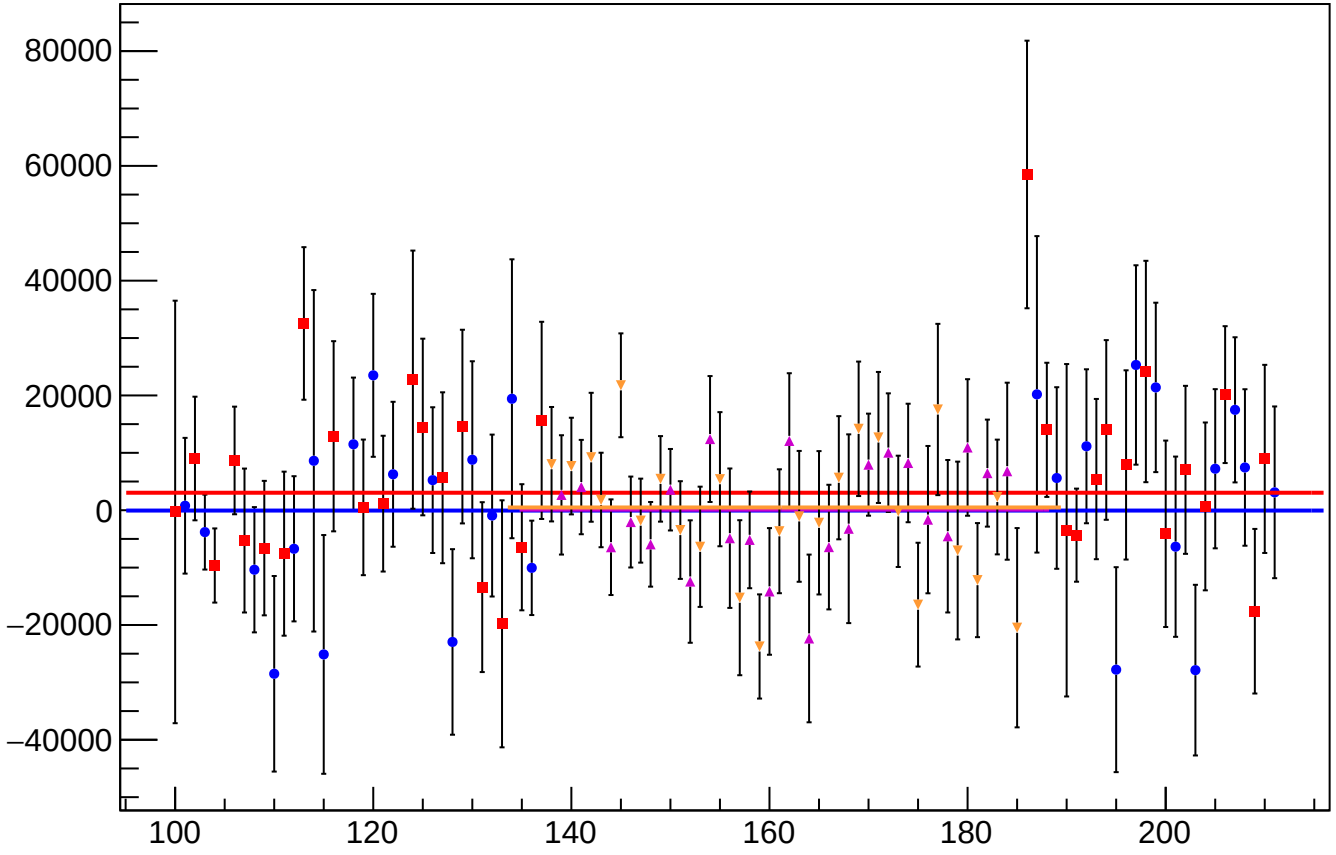
Left In: 2435.950+/-0.403 χ^2/NDF:59189.9/22

+ sign 2523.132+/-0.299 χ^2/NDF: 926416.2/52

All: 2521.634+/-0.211 χ^2/NDF: 1873157.2/10

- sign 2520.141+/-0.299 χ^2/NDF: 946691.0/55

asym_atr2_cor_correction_mean vs Slug



Right In: -59.454+/-2519.805 χ^2/NDF: 28.6/27

Left Out: 477.198+/-2035.967 χ^2/NDF:27.4/24

Right Out: 3045.652+/-2298.294 χ^2/NDF: 30.8/32

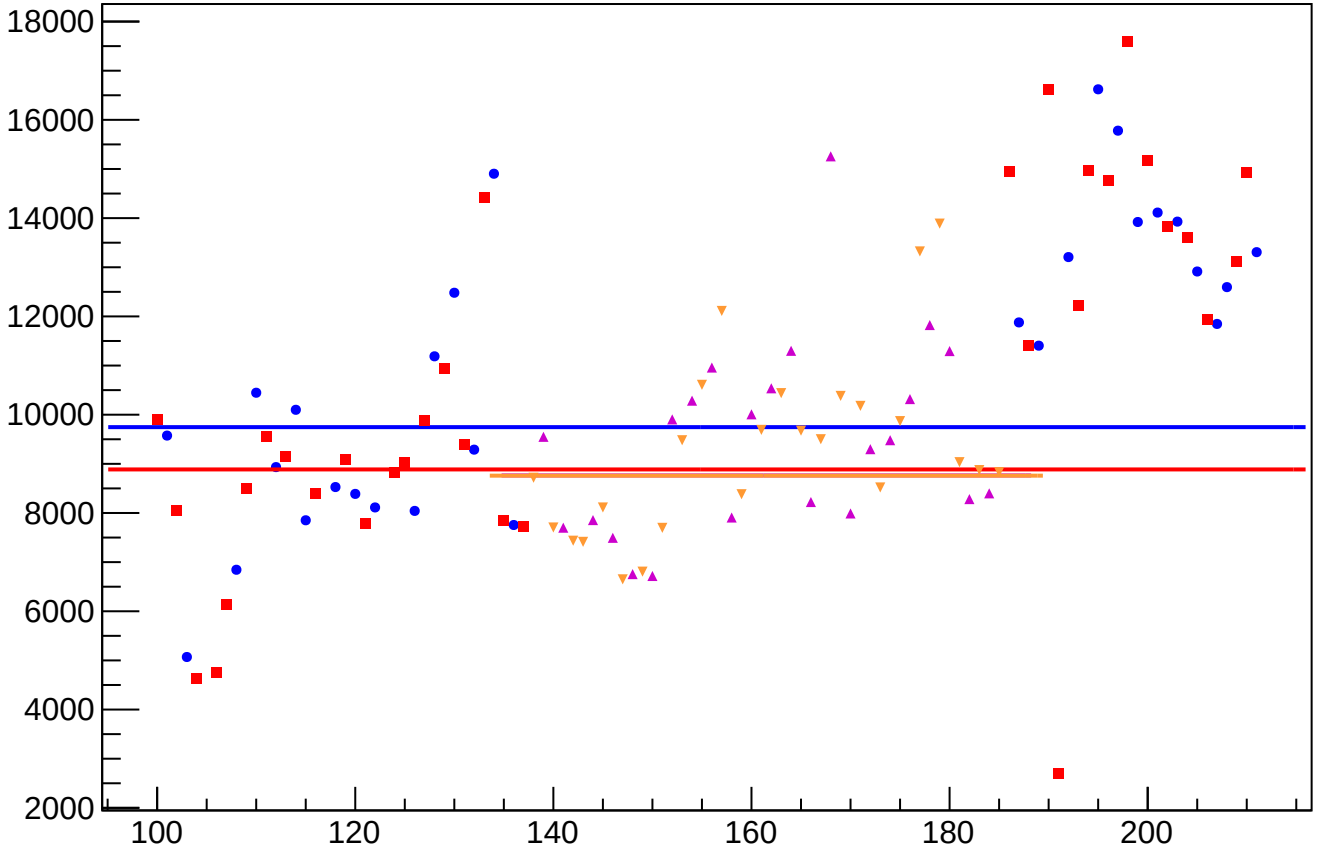
Left In: 105.025+/-2090.897 χ^2/NDF:14.5/22

+ sign 265.231+/-1583.635 χ^2/NDF: 56.0/52

All: 864.814+/-1106.481 χ^2/NDF: 102.5/108

- sign 1436.698+/-1546.623 χ^2/NDF: 46.2/55

asym_atr2_cor_correction_rms vs Slug



Right In: 9746.982+/-1.782 χ^2/NDF: 3120378.2/27

Left Out: 8759.625+/-1.440 χ^2/NDF:1222248.8/24

Right Out: 8886.224+/-1.625 χ^2/NDF: 5519333.9/32

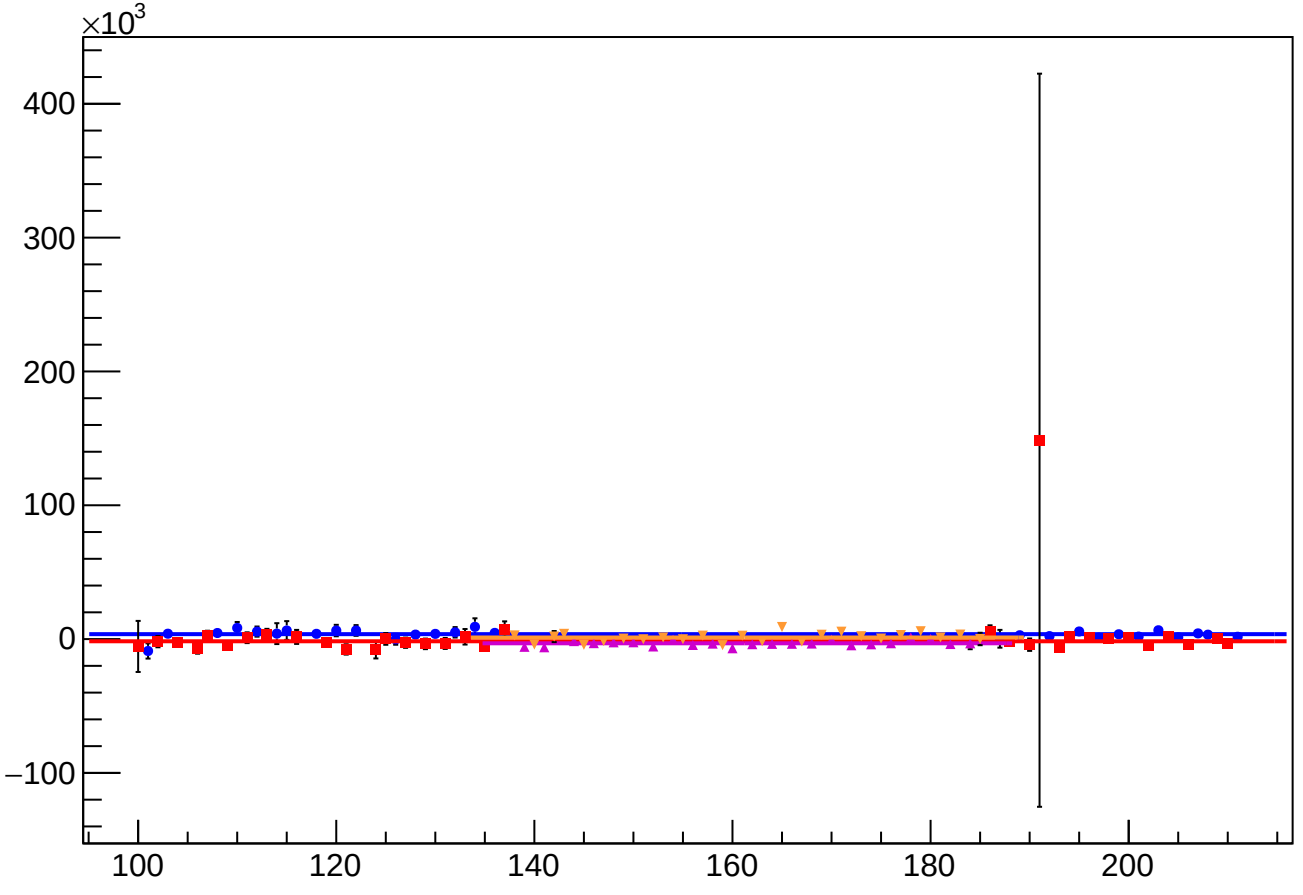
Left In: 8764.132+/-1.478 χ^2/NDF:1291700.3/22

+ sign 9149.612+/-1.120 χ^2/NDF: 4528413.1/52

All: 8980.614+/-0.782 χ^2/NDF: 11387036.3/1

- sign 8819.422+/-1.094 χ^2/NDF: 6814122.4/55

eigen_cor_asym_atr2_mean vs Slug



Right In: 3688.222+/-652.200 χ^2/NDF: 13.3/27

Left Out: 1188.666+/-556.242 χ^2/NDF:31.1/24

Right Out: -1633.918+/-629.989 χ^2/NDF: 28.5/32

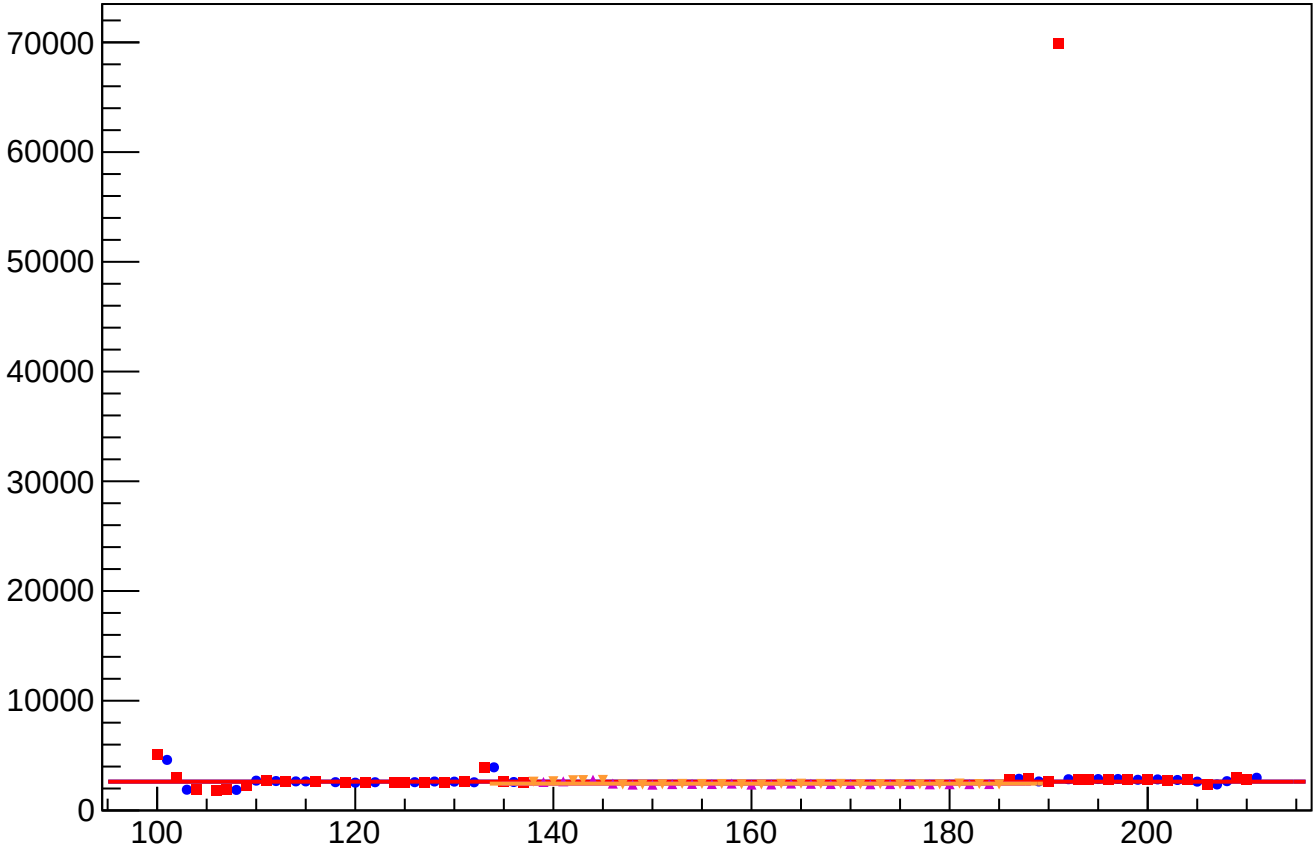
Left In: -3147.222+/-569.221 χ^2/NDF:12.7/22

+ sign 2241.207+/-423.222 χ^2/NDF: 53.0/52

All: -117.760+/-298.956 χ^2/NDF: 159.4/108

- sign -2467.057+/-422.354 χ^2/NDF: 44.4/55

eigen_cor_asym_atr2_rms vs Slug



Right In: 2629.412+/-0.461 χ^2/NDF: 744661.4/27

Left Out: 2445.826+/-0.393 χ^2/NDF:90014.8/24

Right Out: 2623.268+/-0.445 χ^2/NDF: 790156.0/32

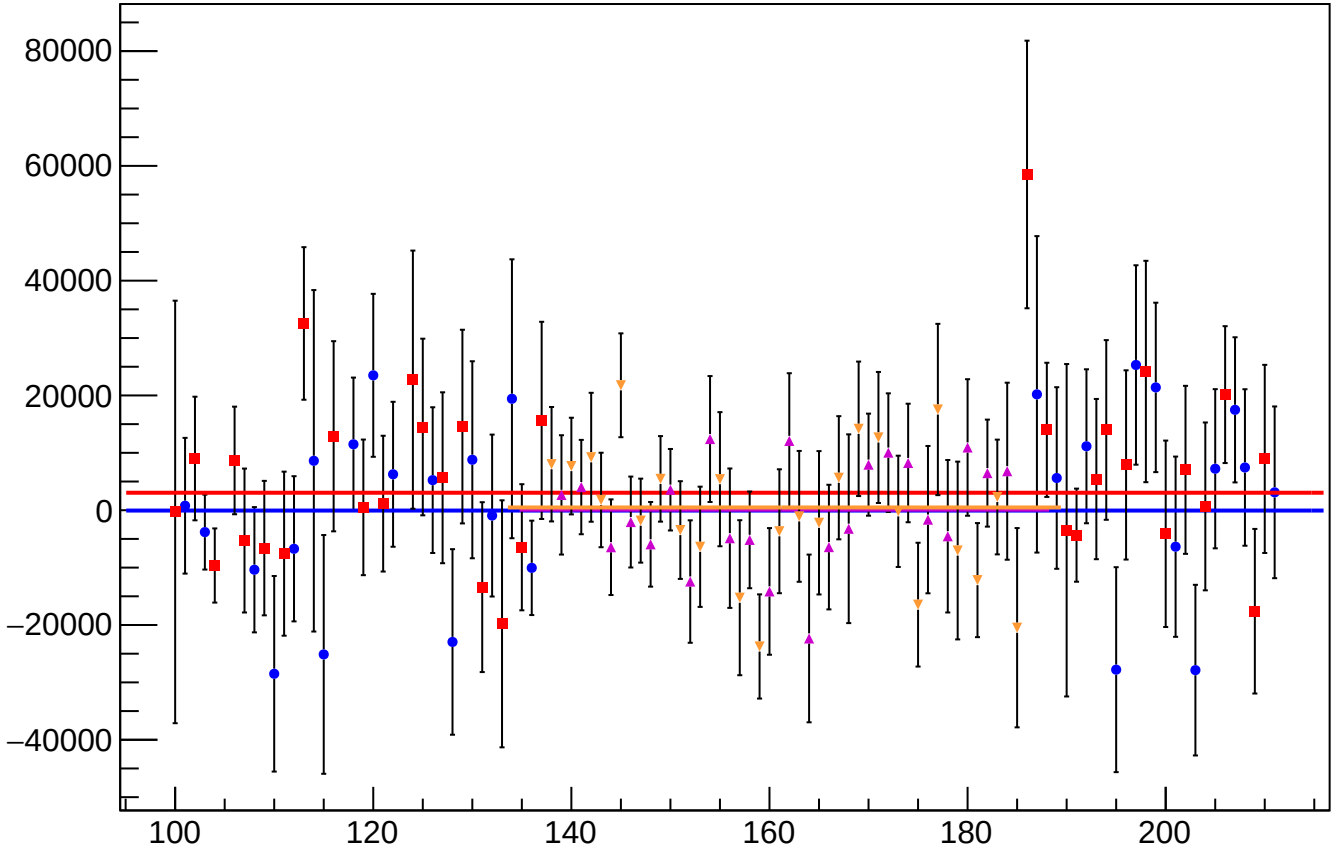
Left In: 2435.950+/-0.403 χ^2/NDF:59189.9/22

+ sign 2523.132+/-0.299 χ^2/NDF: 926416.2/52

All: 2521.634+/-0.211 χ^2/NDF: 1873157.2/10

- sign 2520.141+/-0.299 χ^2/NDF: 946691.0/55

asym_atr2_eigen_cor_correction_mean vs Slug



Right In: -59.454+/-2519.805 χ^2/NDF: 28.6/27

Left Out: 477.198+/-2035.967 χ^2/NDF:27.4/24

Right Out: 3045.652+/-2298.294 χ^2/NDF: 30.8/32

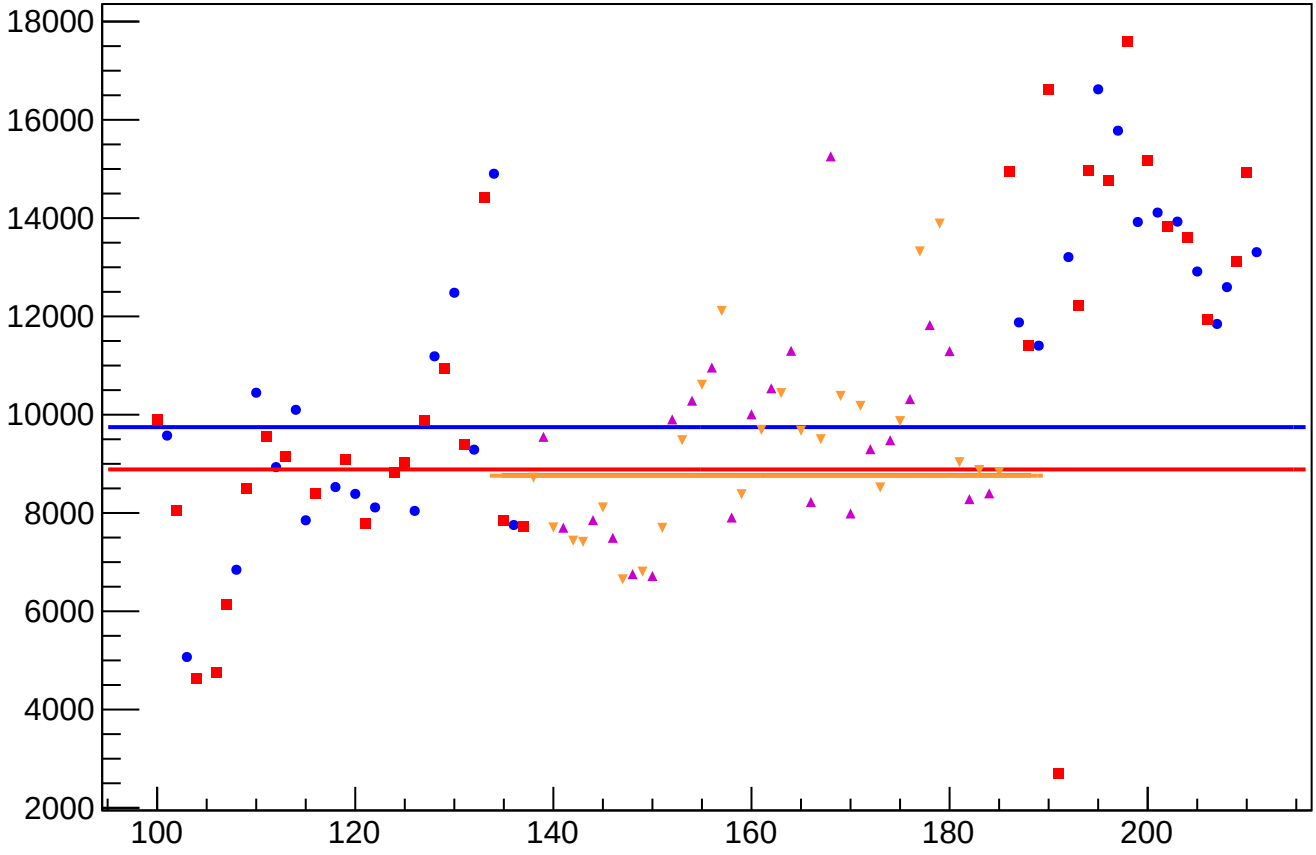
Left In: 105.025+/-2090.897 χ^2/NDF:14.5/22

+ sign 265.231+/-1583.635 χ^2/NDF: 56.0/52

All: 864.814+/-1106.481 χ^2/NDF: 102.5/108

- sign 1436.698+/-1546.623 χ^2/NDF: 46.2/55

asym_atr2_eigen_cor_correction_rms vs Slug



Right In: 9746.982+/-1.782 χ^2/NDF: 3120378.2/27

Left Out: 8759.625+/-1.440 χ^2/NDF:1222248.8/24

Right Out: 8886.224+/-1.625 χ^2/NDF: 5519333.9/32

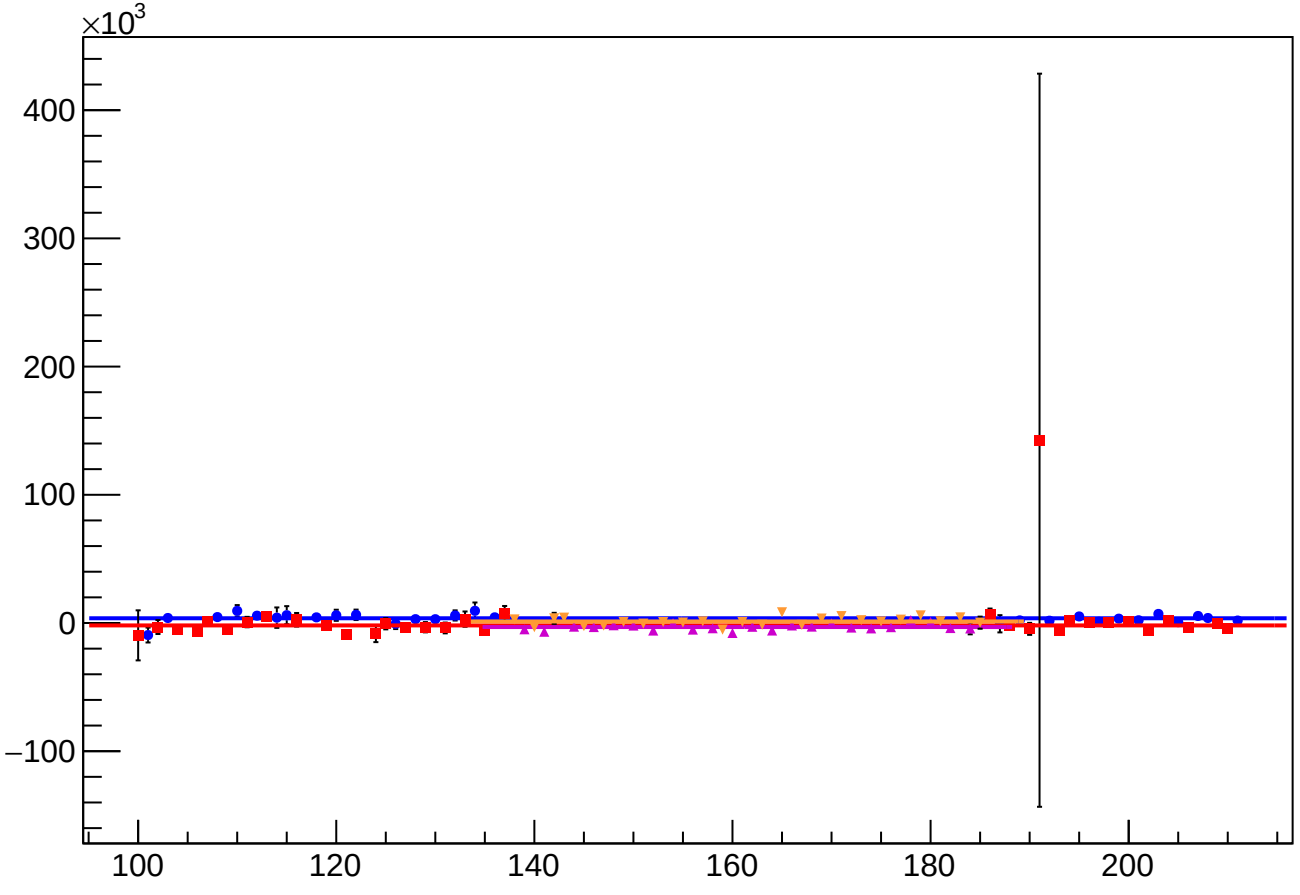
Left In: 8764.132+/-1.478 χ^2/NDF:1291700.3/22

+ sign 9149.612+/-1.120 χ^2/NDF: 4528413.1/52

All: 8980.614+/-0.782 χ^2/NDF: 11387036.3/1

- sign 8819.422+/-1.094 χ^2/NDF: 6814122.4/55

dit_asym_atr2_mean vs Slug



Right In: 3689.118+/-671.150 χ^2/NDF: 15.7/27

Left Out: 1213.875+/-579.693 χ^2/NDF:26.8/24

Right Out: -1890.054+/-650.266 χ^2/NDF: 32.6/32

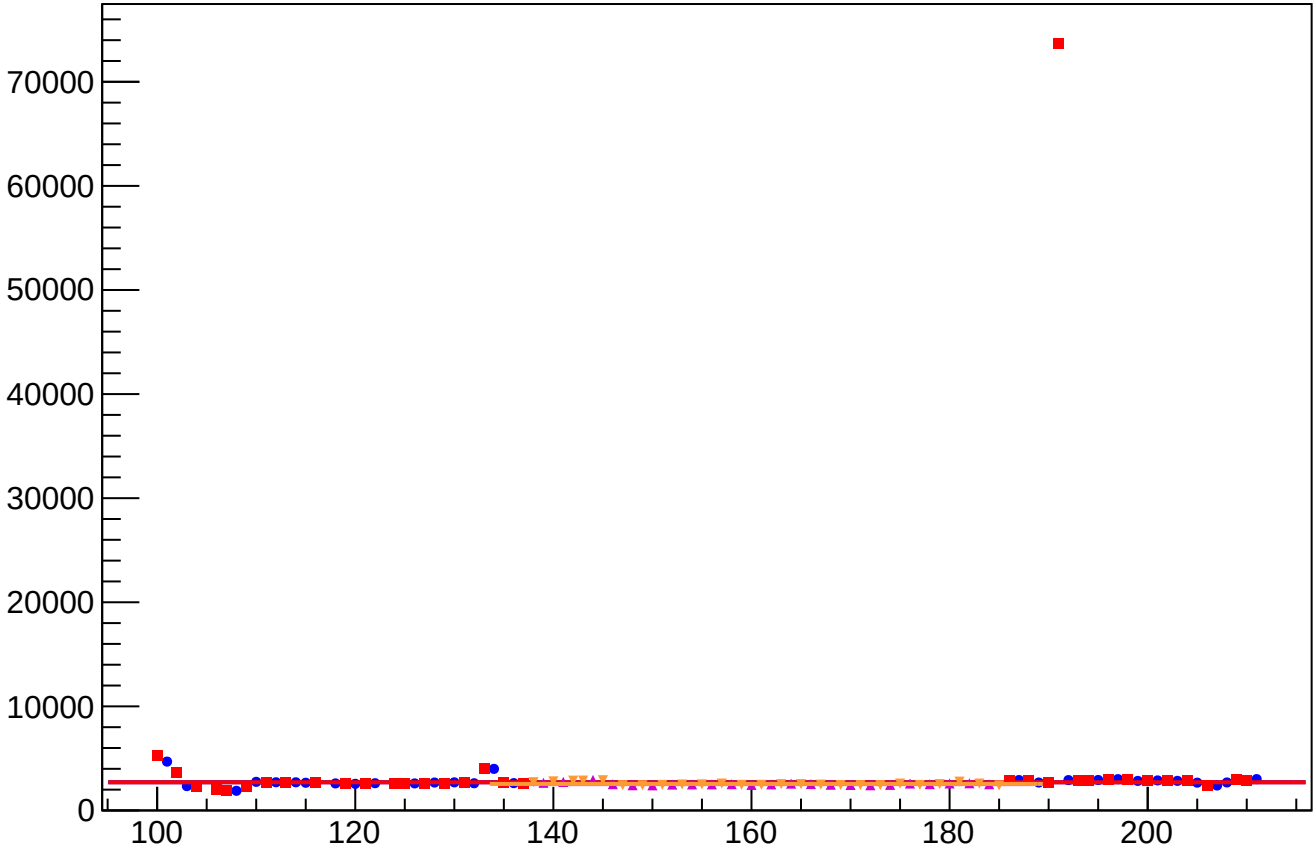
Left In: -3150.265+/-592.116 χ^2/NDF:16.5/22

+ sign 2271.478+/-438.705 χ^2/NDF: 50.3/52

All: -158.736+/-309.893 χ^2/NDF: 162.7/108

- sign -2579.015+/-437.807 χ^2/NDF: 51.1/55

dit_asym_atr2_rms vs Slug



Right In: 2711.274+/-0.475 χ^2/NDF: 599963.8/27

Left Out: 2547.154+/-0.410 χ^2/NDF:117298.5/24

Right Out: 2706.971+/-0.460 χ^2/NDF: 689473.5/32

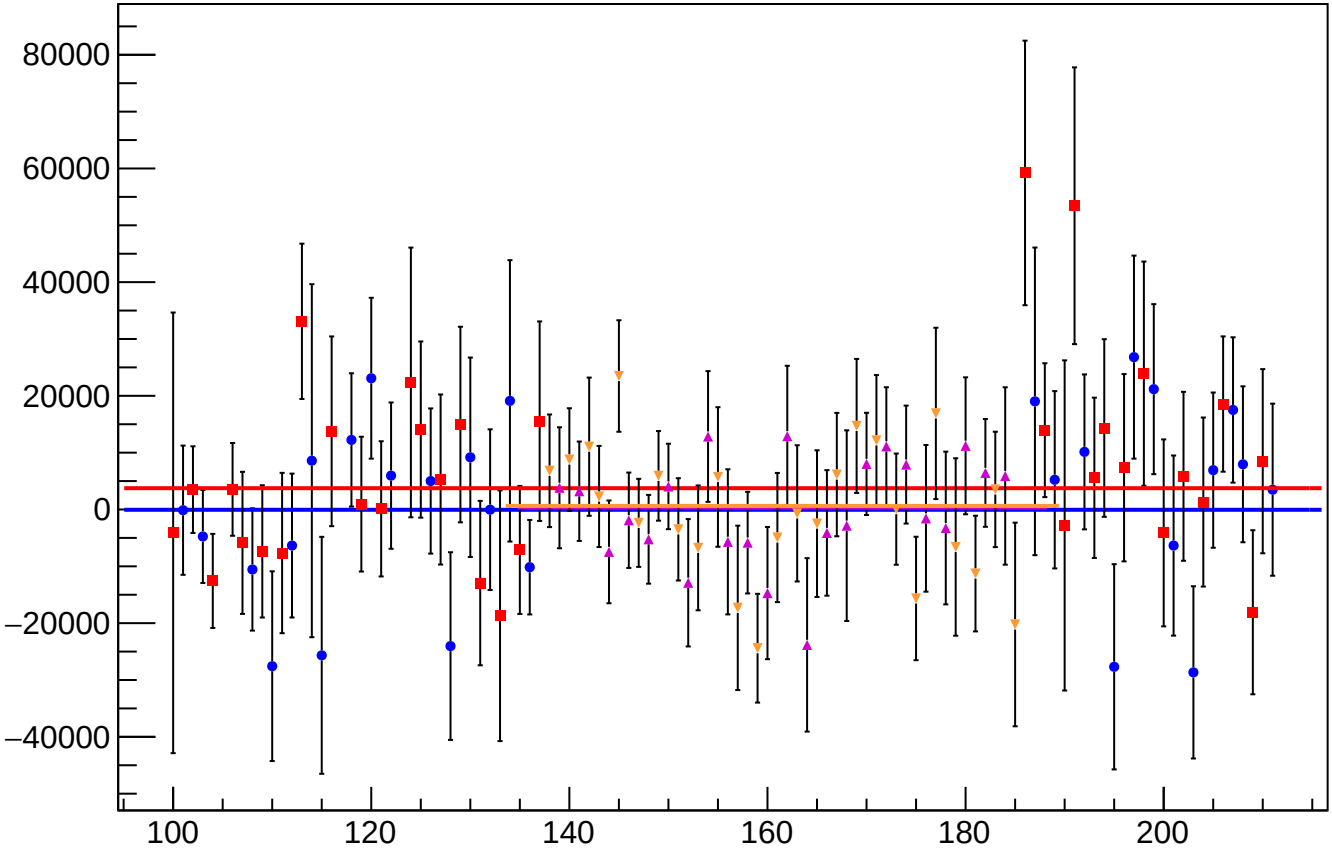
Left In: 2532.772+/-0.419 χ^2/NDF:68441.1/22

+ sign 2617.278+/-0.310 χ^2/NDF: 785757.5/52

All: 2614.513+/-0.219 χ^2/NDF: 1622321.3/10

- sign 2611.759+/-0.310 χ^2/NDF: 836405.2/55

asym_atr2_dit_correction_mean vs Slug



Right In: -52.642+/-2599.519 χ^2/NDF: 28.5/27

Left Out: 631.360+/-2123.101 χ^2/NDF:26.7/24

Right Out: 3747.976+/-2377.726 χ^2/NDF: 32.9/32

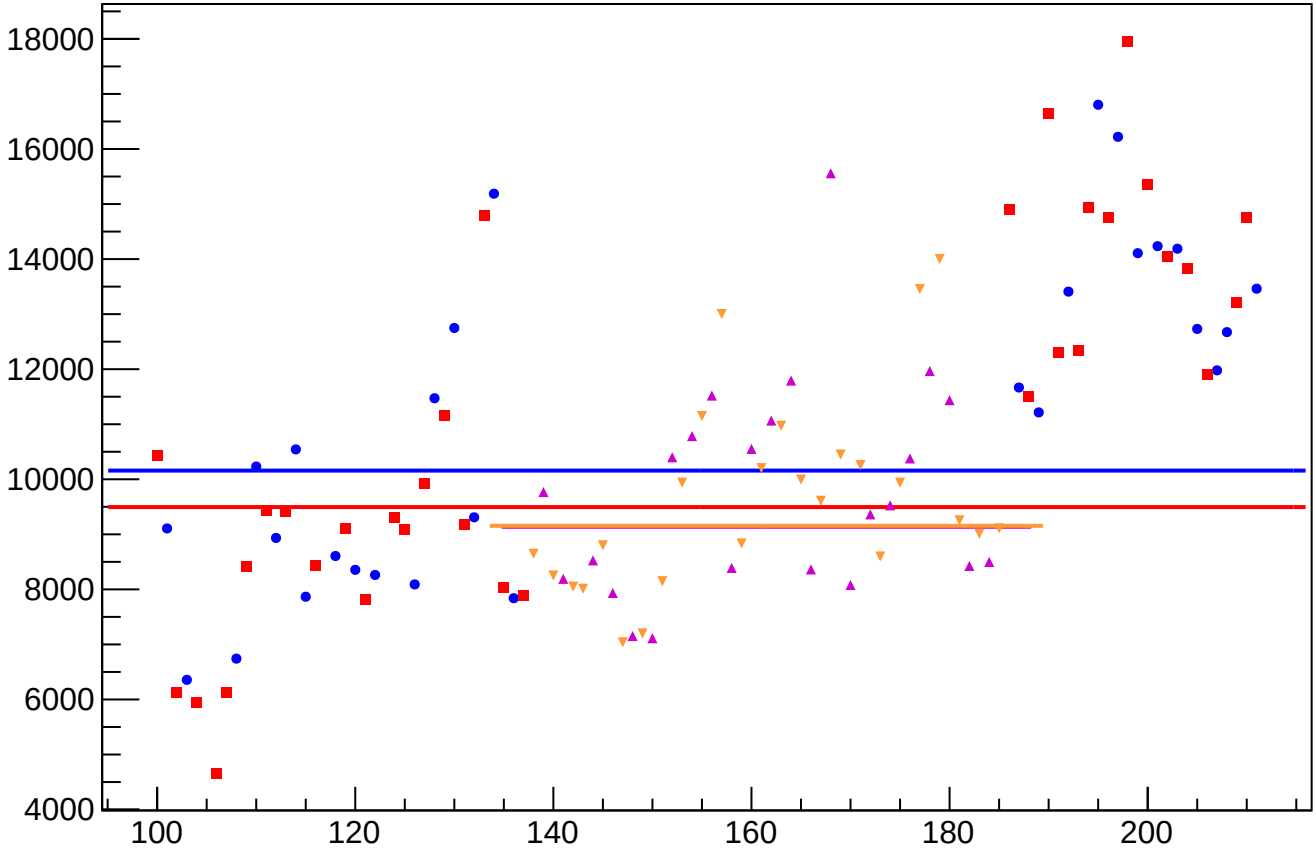
Left In: 377.922+/-2176.347 χ^2/NDF:14.2/22

+ sign 357.666+/-1644.360 χ^2/NDF: 55.2/52

All: 1154.604+/-1148.713 χ^2/NDF: 103.9/108

- sign 1914.217+/-1605.391 χ^2/NDF: 48.2/55

asym_atr2_dit_correction_rms vs Slug



Right In: 10157.996+/-1.838 χ^2/NDF: 2476926.3/27

Left Out: 9154.688+/-1.501 χ^2/NDF:1072073.9/24

Right Out: 9495.251+/-1.681 χ^2/NDF: 4110983.1/32

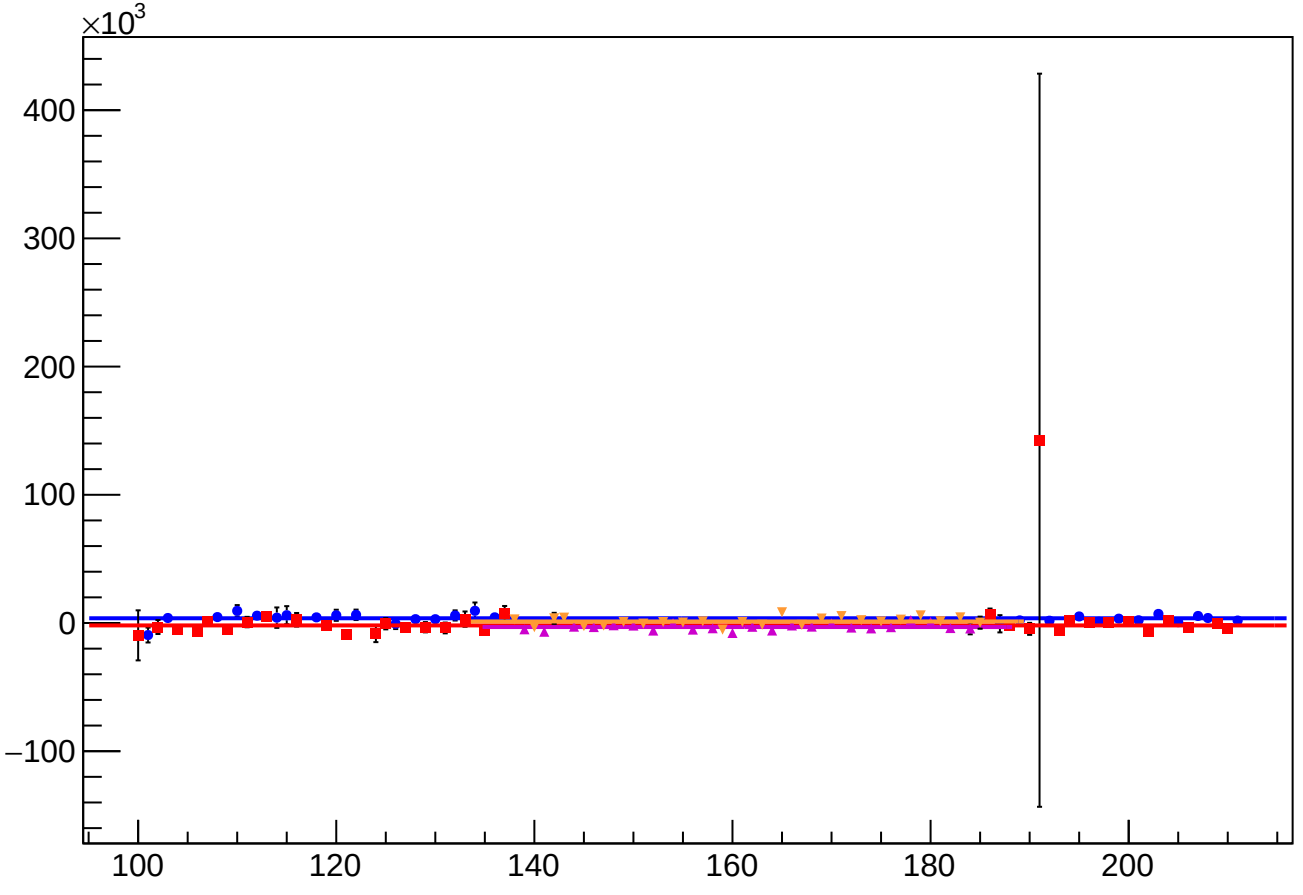
Left In: 9137.576+/-1.539 χ^2/NDF:1172792.2/22

+ sign 9556.148+/-1.163 χ^2/NDF: 3727716.8/52

All: 9425.324+/-0.812 χ^2/NDF: 9060843.4/10

- sign 9300.628+/-1.135 χ^2/NDF: 5308401.0/55

eigen_dit_asym_atr2_mean vs Slug



Right In: 3689.115+/-671.150 χ^2/NDF: 15.7/27

Left Out: 1213.864+/-579.693 χ^2/NDF:26.8/24

Right Out: -1890.056+/-650.266 χ^2/NDF: 32.6/32

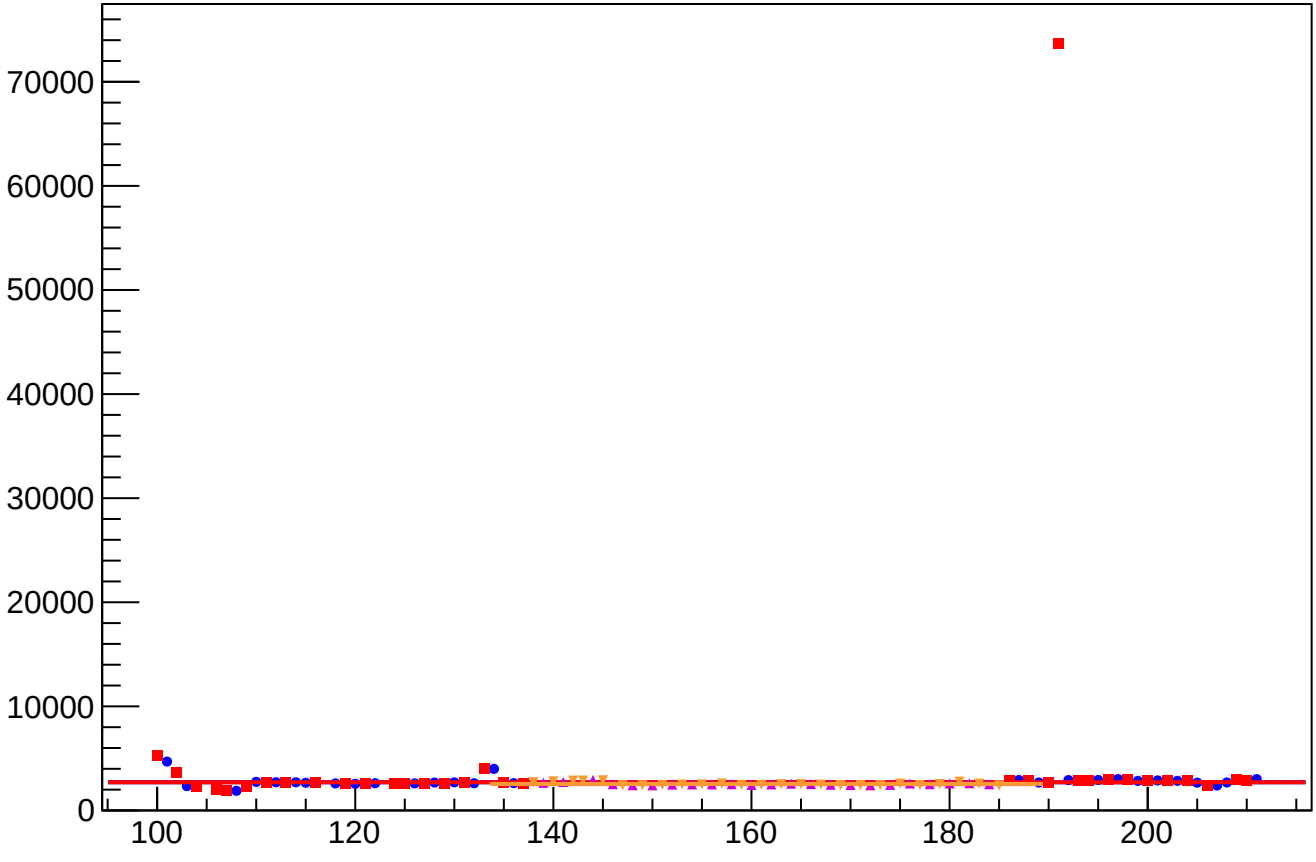
Left In: -3150.264+/-592.117 χ^2/NDF:16.5/22

+ sign 2271.471+/-438.705 χ^2/NDF: 50.3/52

All: -158.739+/-309.893 χ^2/NDF: 162.7/108

- sign -2579.015+/-437.807 χ^2/NDF: 51.1/55

eigen_dit_asym_atr2_rms vs Slug



Right In: 2711.274+/-0.475 χ^2/NDF: 599964.7/27

Left Out: 2547.156+/-0.410 χ^2/NDF:117298.5/24

Right Out: 2706.971+/-0.460 χ^2/NDF: 689473.4/32

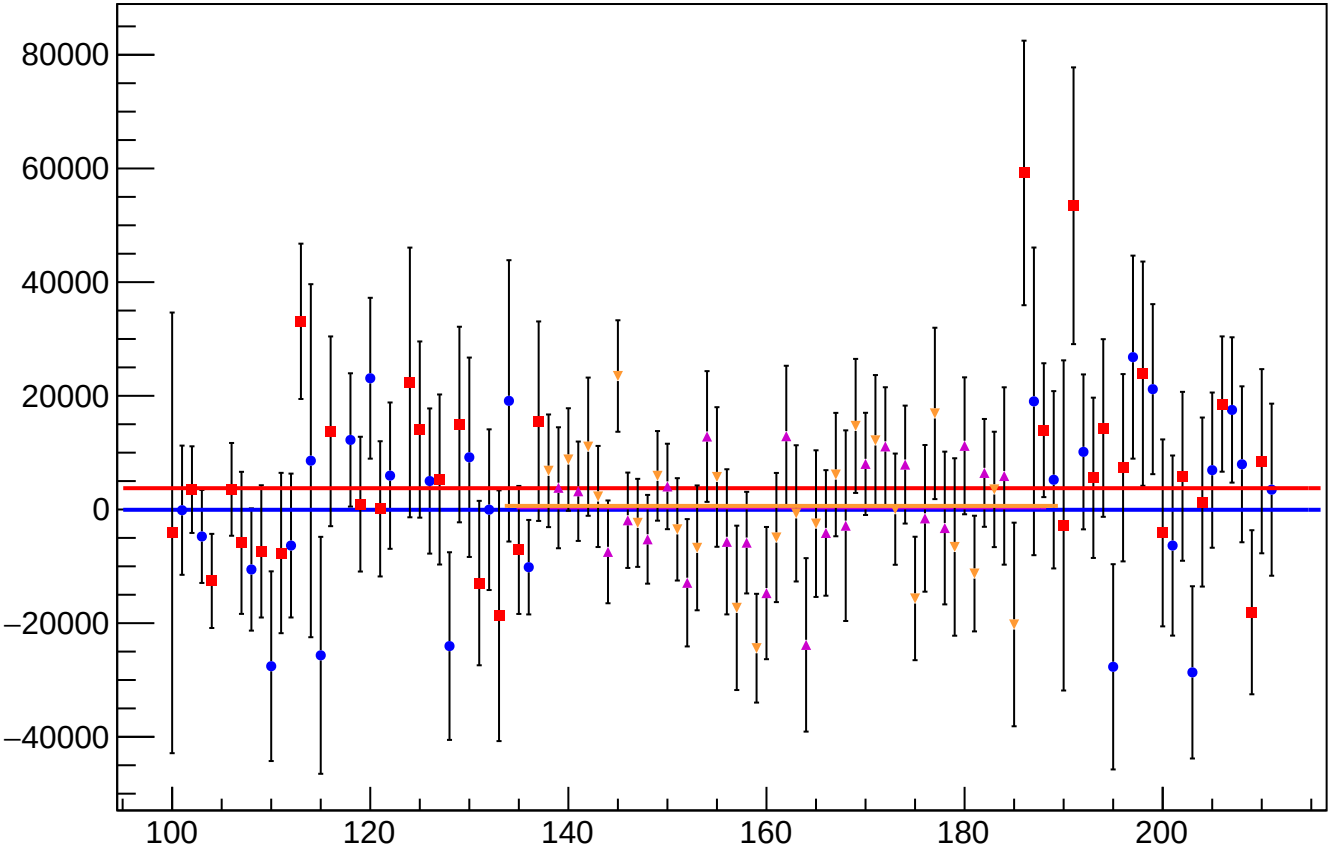
Left In: 2532.774+/-0.419 χ^2/NDF:68440.8/22

+ sign 2617.279+/-0.310 χ^2/NDF: 785756.6/52

All: 2614.513+/-0.219 χ^2/NDF: 1622318.4/10

- sign 2611.760+/-0.310 χ^2/NDF: 836403.2/55

asym_atr2_eigen_dit_correction_mean vs Slug



Right In: -52.627+/-2599.518 χ^2/NDF: 28.5/27

Left Out: 631.356+/-2123.104 χ^2/NDF:26.7/24

Right Out: 3747.967+/-2377.724 χ^2/NDF: 32.9/32

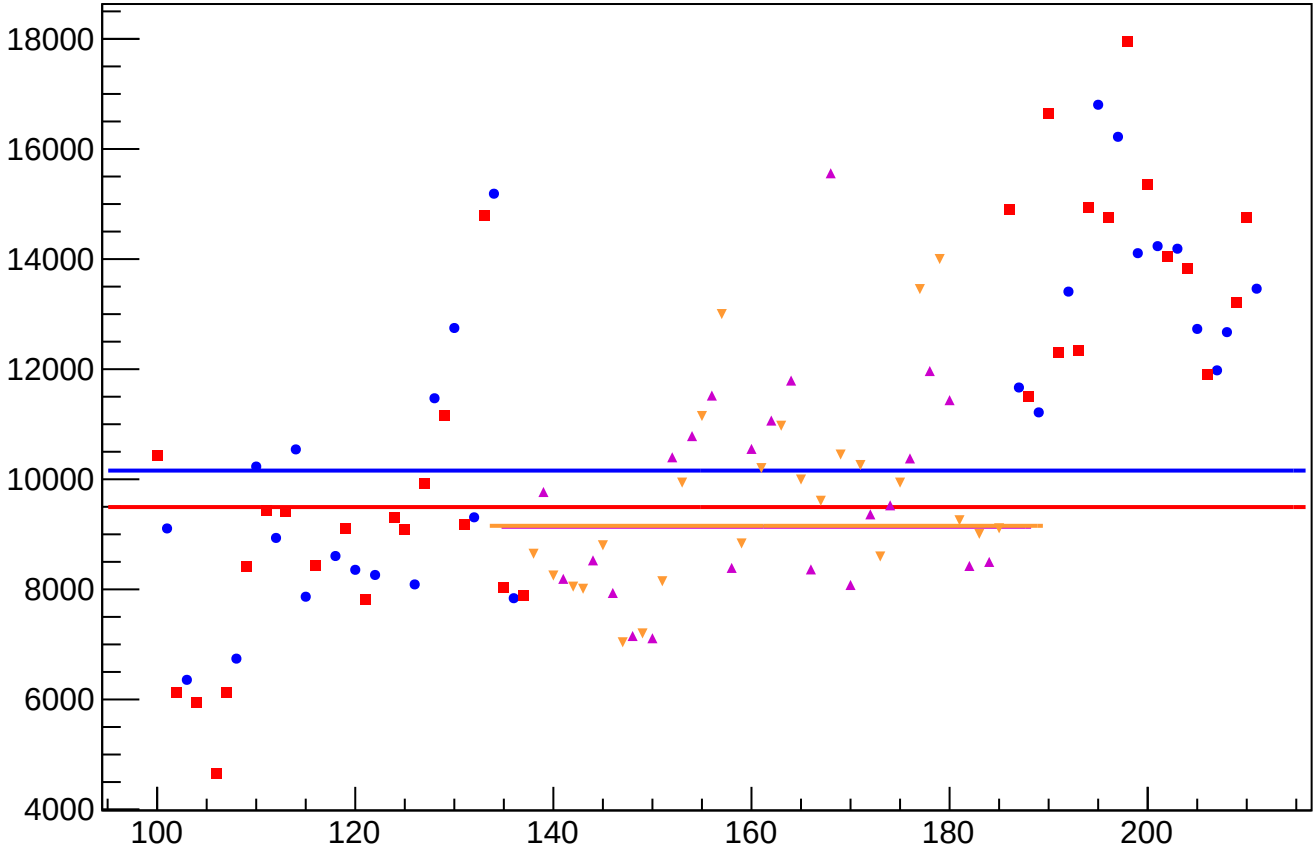
Left In: 377.927+/-2176.350 χ^2/NDF:14.2/22

+ sign 357.669+/-1644.361 χ^2/NDF: 55.2/52

All: 1154.607+/-1148.713 χ^2/NDF: 103.9/108

- sign 1914.220+/-1605.391 χ^2/NDF: 48.2/55

asym_atr2_eigen_dit_correction_rms vs Slug



Right In: 10157.990+/-1.838 χ^2/NDF: 2476940.9/27

Left Out: 9154.703+/-1.501 χ^2/NDF:1072075.9/24

Right Out: 9495.241+/-1.681 χ^2/NDF: 4111003.9/32

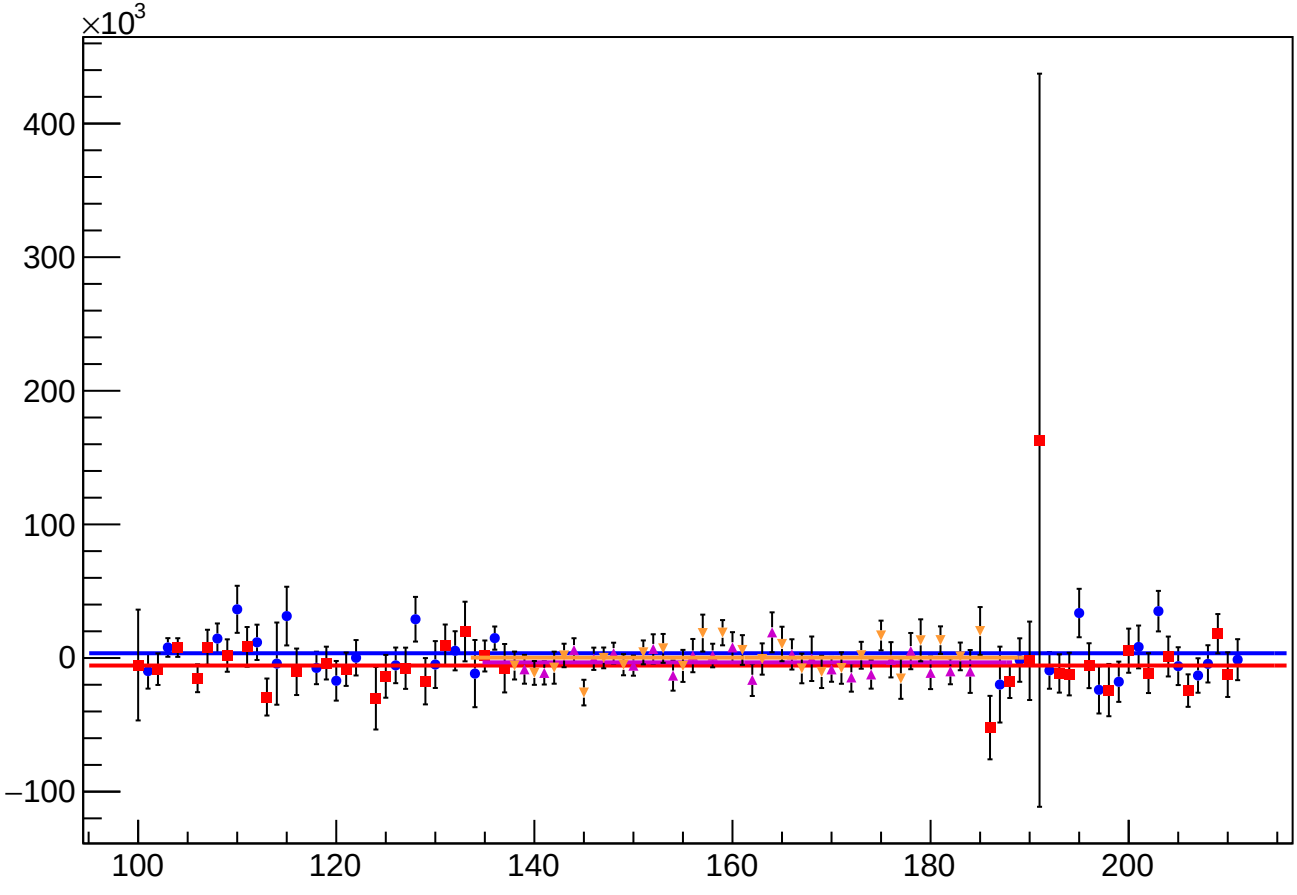
Left In: 9137.590+/-1.539 χ^2/NDF:1172796.0/22

+ sign 9556.155+/-1.163 χ^2/NDF: 3727726.0/52

All: 9425.330+/-0.812 χ^2/NDF: 9060874.6/10

- sign 9300.632+/-1.135 χ^2/NDF: 5308422.4/55

asym_atr2_mean vs Slug



Right In: 3569.930+/-2626.991 χ^2/NDF: 31.6/27

Left Out: 295.038+/-2125.383 χ^2/NDF:26.3/24

Right Out: -5616.734+/-2511.392 χ^2/NDF: 26.9/32

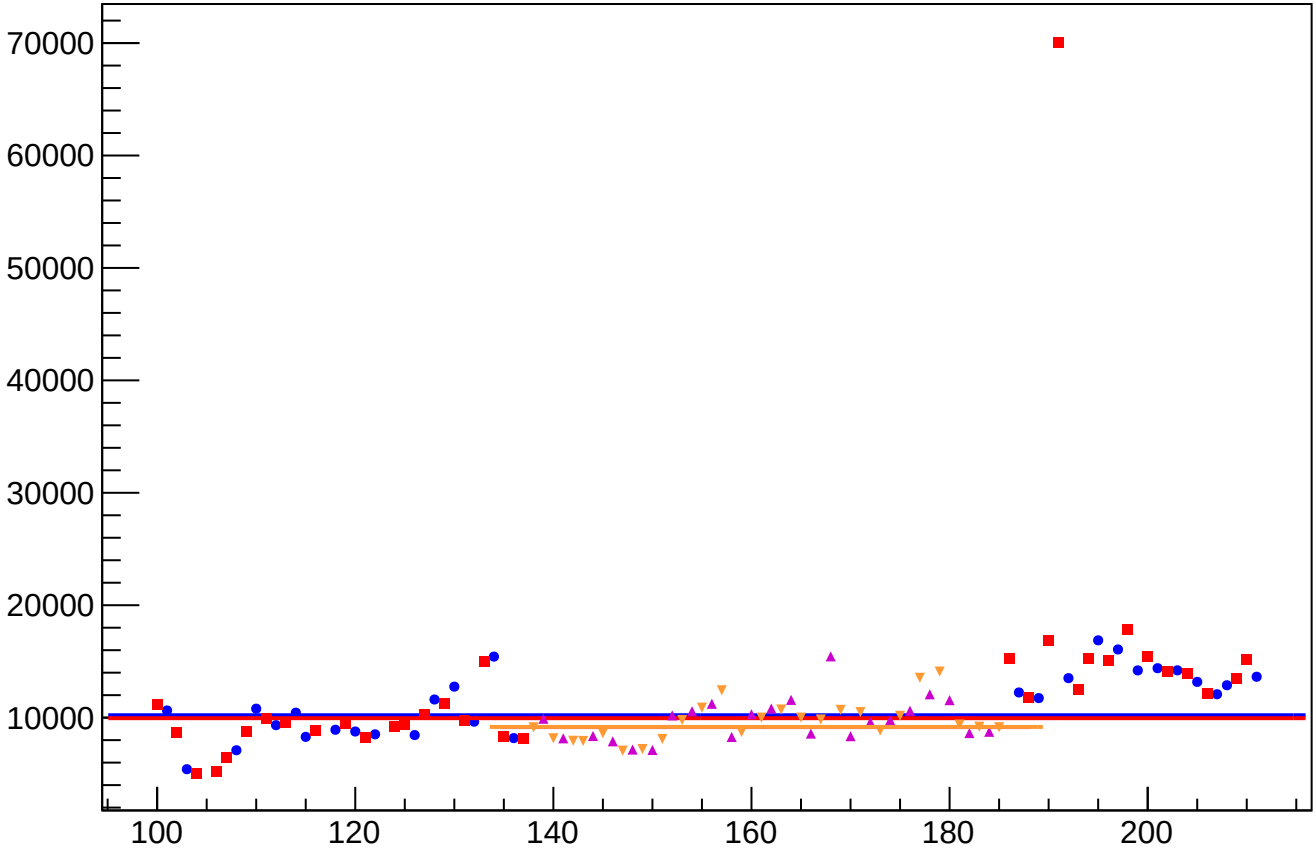
Left In: -3233.667+/-2179.845 χ^2/NDF:13.6/22

+ sign 1590.631+/-1652.321 χ^2/NDF: 58.9/52

All: -1344.324+/-1166.202 χ^2/NDF: 106.2/10

- sign -4257.617+/-1646.212 χ^2/NDF: 41.0/55

asym_atr2_rms vs Slug



Right In: 10212.039+/-1.858 χ^2/NDF: 2844207.3/27

Left Out: 9172.826+/-1.503 χ^2/NDF:1056946.9/24

Right Out: 9953.199+/-1.776 χ^2/NDF: 3905062.9/32

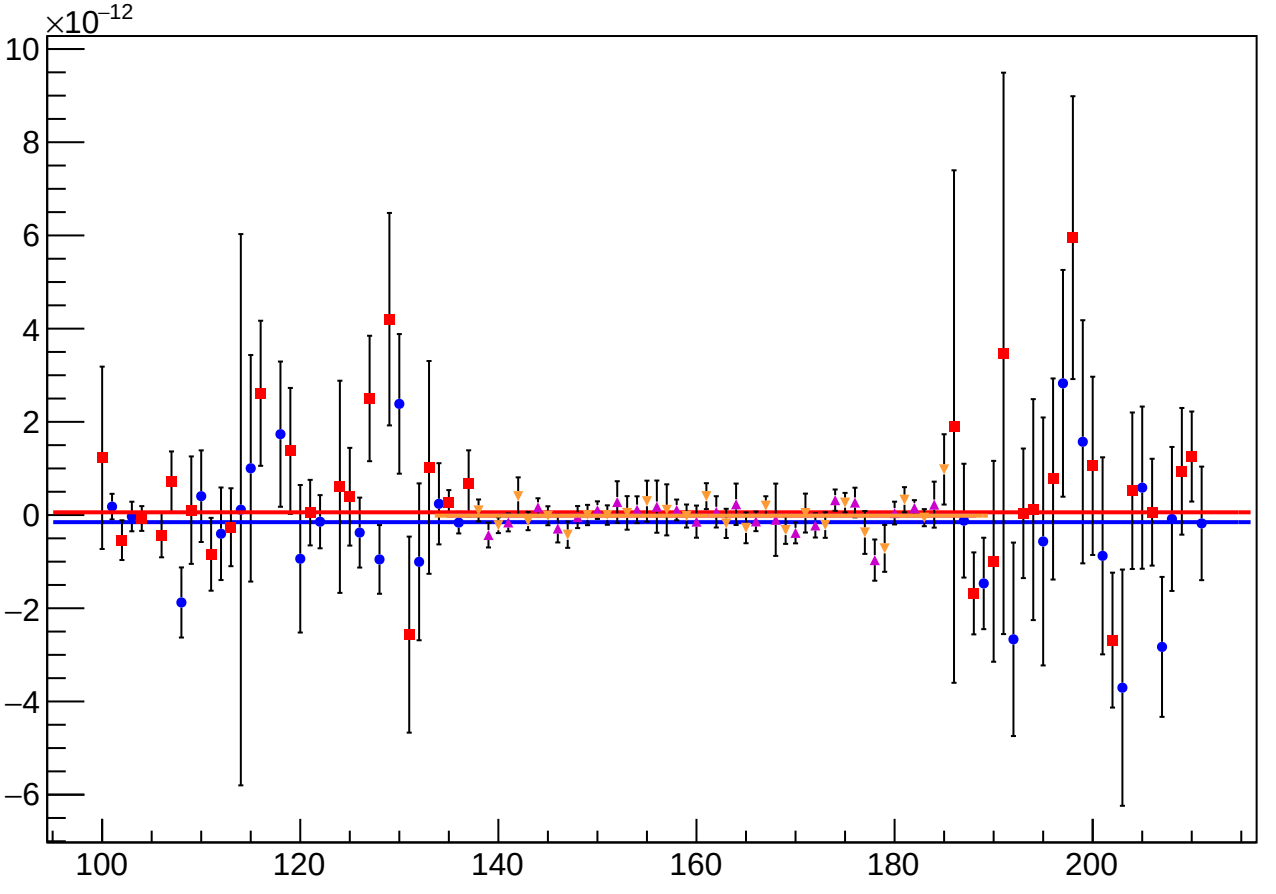
Left In: 9162.276+/-1.541 χ^2/NDF:1127533.4/22

+ sign 9583.953+/-1.168 χ^2/NDF: 4090317.1/52

All: 9542.888+/-0.825 χ^2/NDF: 9238510.8/10

- sign 9502.126+/-1.164 χ^2/NDF: 5145732.2/55

asym_atr2_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 24.5/27

Left Out: -0.000+/-0.000 χ^2/NDF:19.4/24

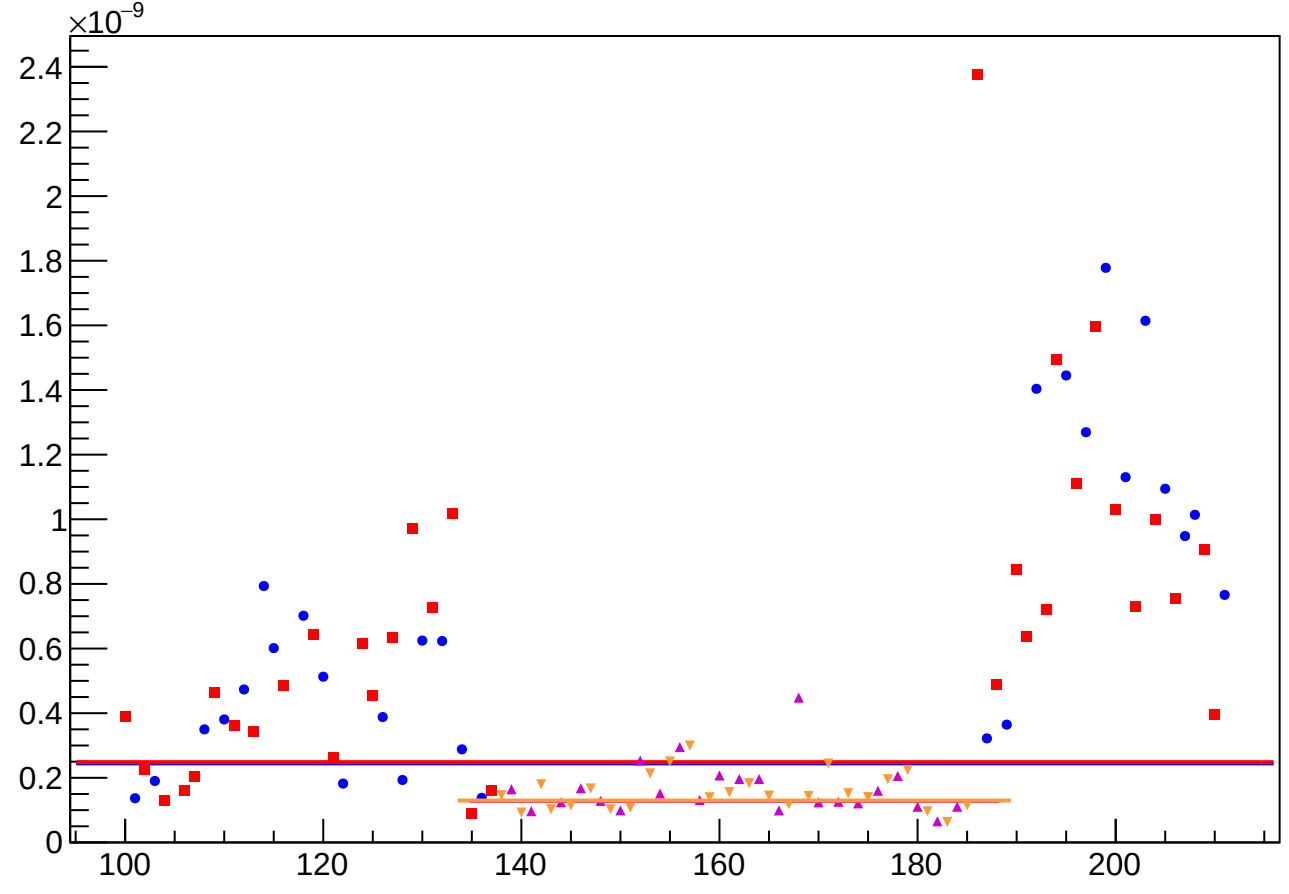
Right Out: 0.000+/-0.000 χ^2/NDF: 34.0/32

Left In: -0.000+/-0.000 χ^2/NDF:19.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 44.9/52

All: -0.000+/-0.000 χ^2/NDF: 98.4/108

- sign -0.000+/-0.000 χ^2/NDF: 53.4/55



Right In: 0.000+/-0.000 χ^2/NDF: 6431180.9/27

Left Out: 0.000+/-0.000 χ^2/NDF:1390522.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6365217.8/32

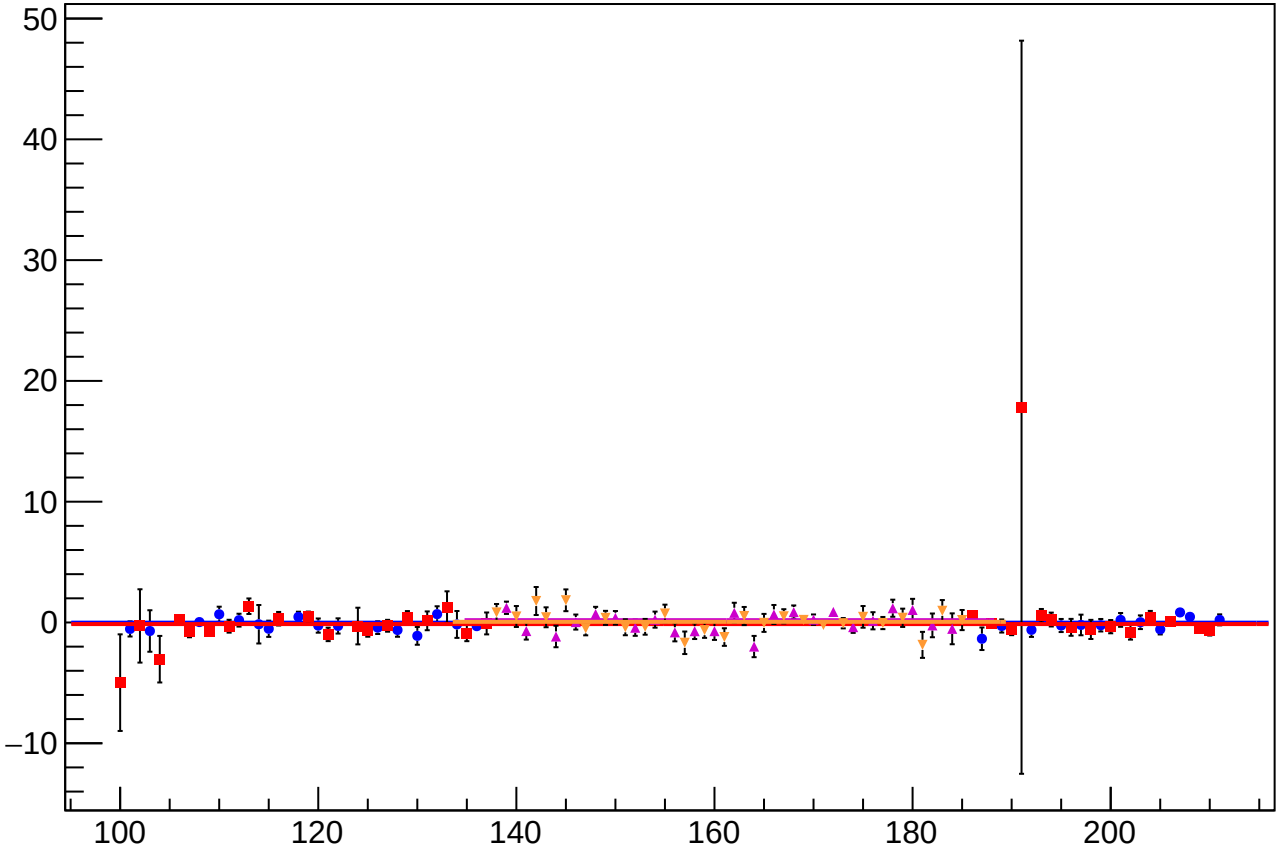
Left In: 0.000+/-0.000 χ^2/NDF:1516080.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 9182972.7/52

All: 0.000+/-0.000 χ^2/NDF: 18486132.1/108

- sign 0.000+/-0.000 χ^2/NDF: 9303125.9/55

asym_atr2_dit_vs_cor_diff_mean vs Slug



Right In: -0.015+/-0.101 χ^2/NDF: 24.3/27

Left Out: 0.054+/-0.130 χ^2/NDF:24.7/24

Right Out: -0.133+/-0.089 χ^2/NDF: 36.8/32

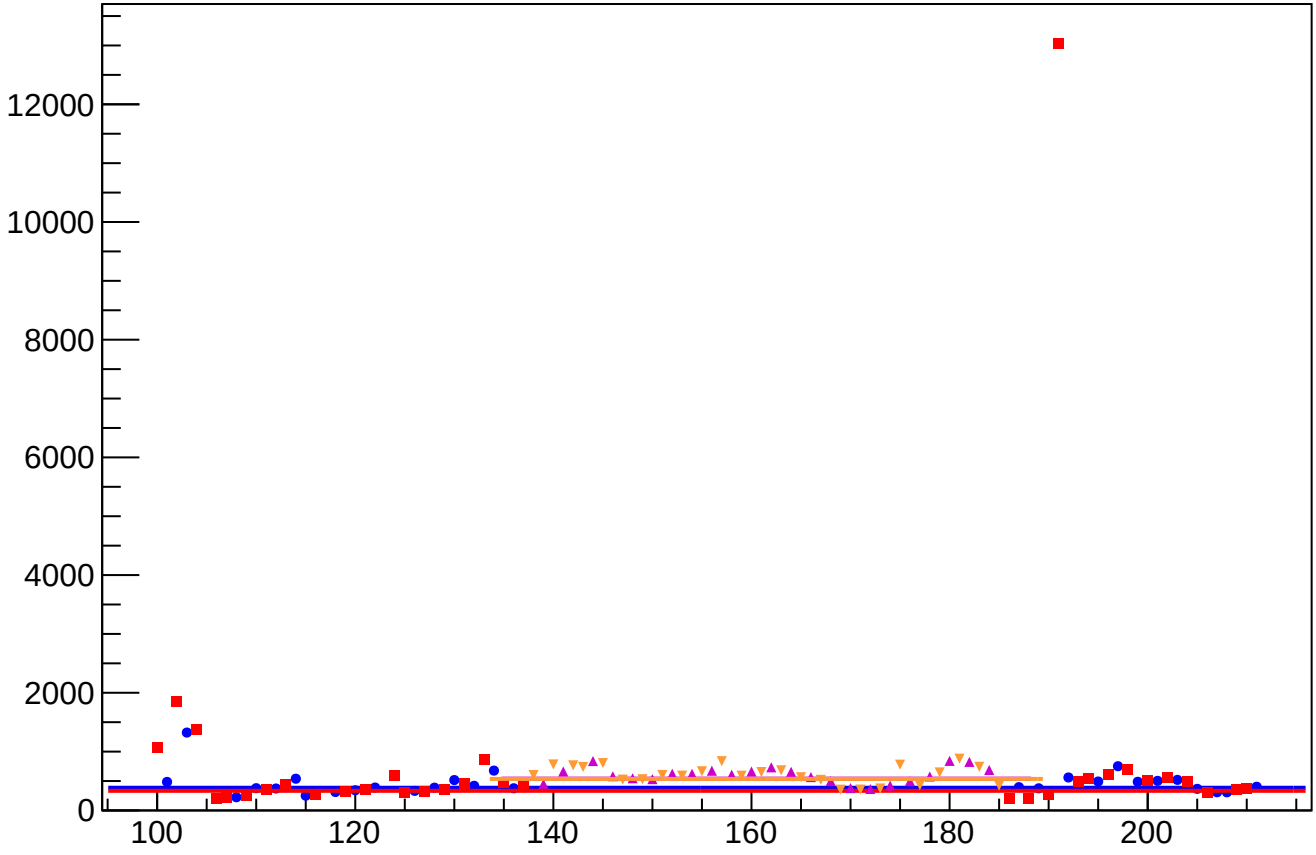
Left In: 0.191+/-0.133 χ^2/NDF:31.1/22

+ sign 0.011+/-0.080 χ^2/NDF: 49.2/52

All: -0.013+/-0.054 χ^2/NDF: 121.4/108

- sign -0.033+/-0.074 χ^2/NDF: 72.0/55

asym_atr2_dit_vs_cor_diff_rms vs Slug



Right In: 385.876+/-0.071 χ^2/NDF: 2541327.0/27

Left Out: 535.943+/-0.092 χ^2/NDF:2749736.4/24

Right Out: 333.699+/-0.063 χ^2/NDF: 5501601.5/32

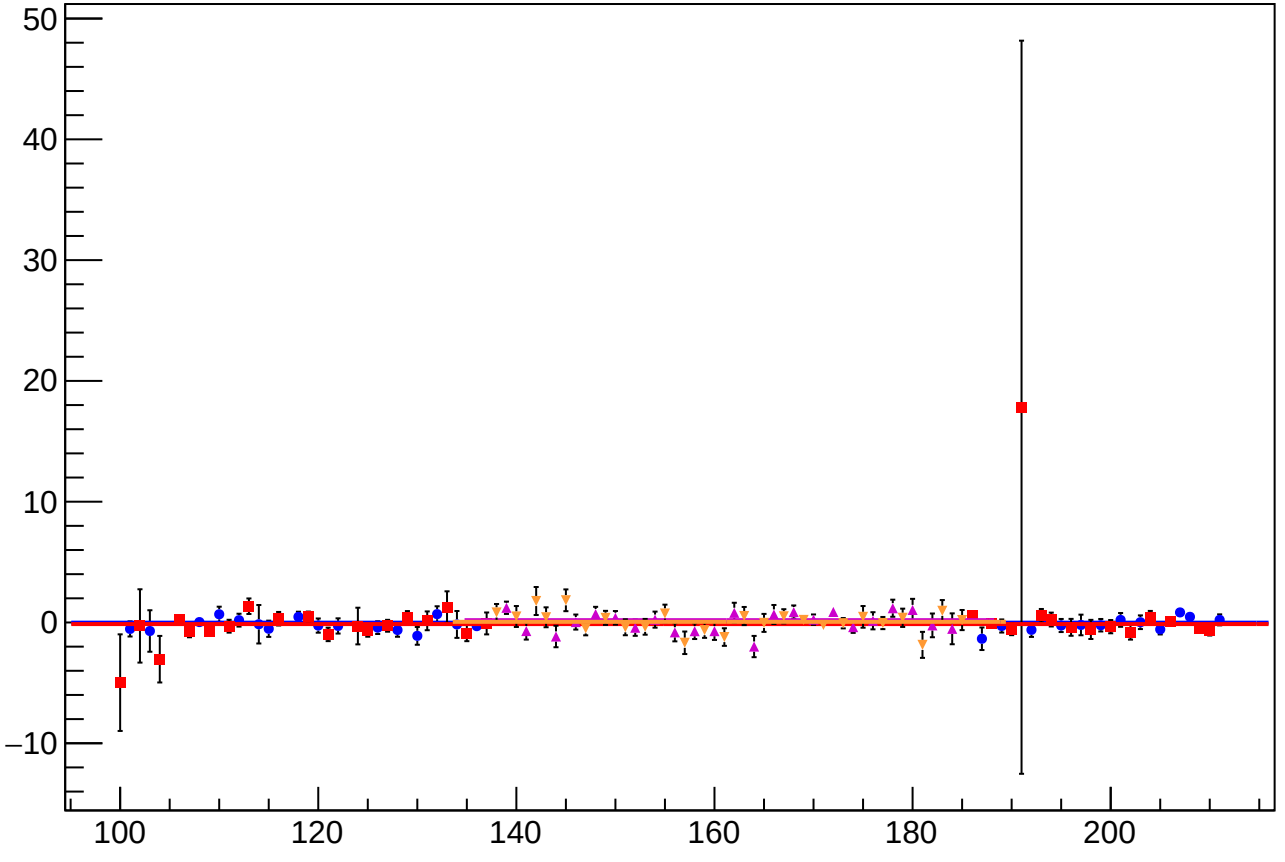
Left In: 540.804+/-0.094 χ^2/NDF:1904998.0/22

+ sign 442.647+/-0.056 χ^2/NDF: 6960766.9/52

All: 418.305+/-0.038 χ^2/NDF: 18066068.0/10

- sign 397.391+/-0.052 χ^2/NDF: 10758028.2/55

asym_atr2_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.015+/-0.101 χ^2/NDF: 24.3/27

Left Out: 0.054+/-0.130 χ^2/NDF:24.7/24

Right Out: -0.133+/-0.089 χ^2/NDF: 36.8/32

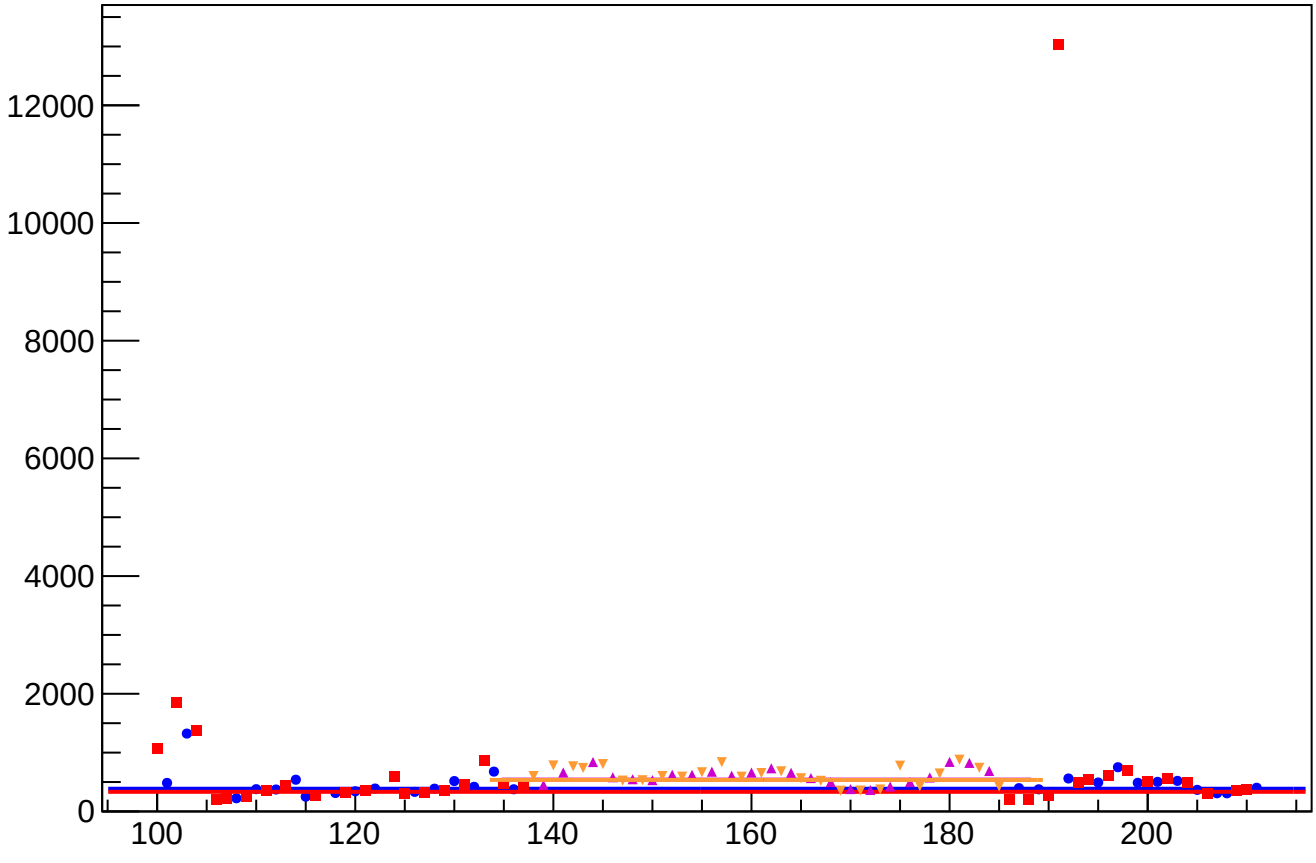
Left In: 0.191+/-0.133 χ^2/NDF:31.1/22

+ sign 0.011+/-0.080 χ^2/NDF: 49.2/52

All: -0.013+/-0.054 χ^2/NDF: 121.4/108

- sign -0.033+/-0.074 χ^2/NDF: 72.0/55

asym_atr2_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 385.876+/-0.071 χ^2/NDF: 2541327.0/27

Left Out: 535.943+/-0.092 χ^2/NDF:2749736.4/24

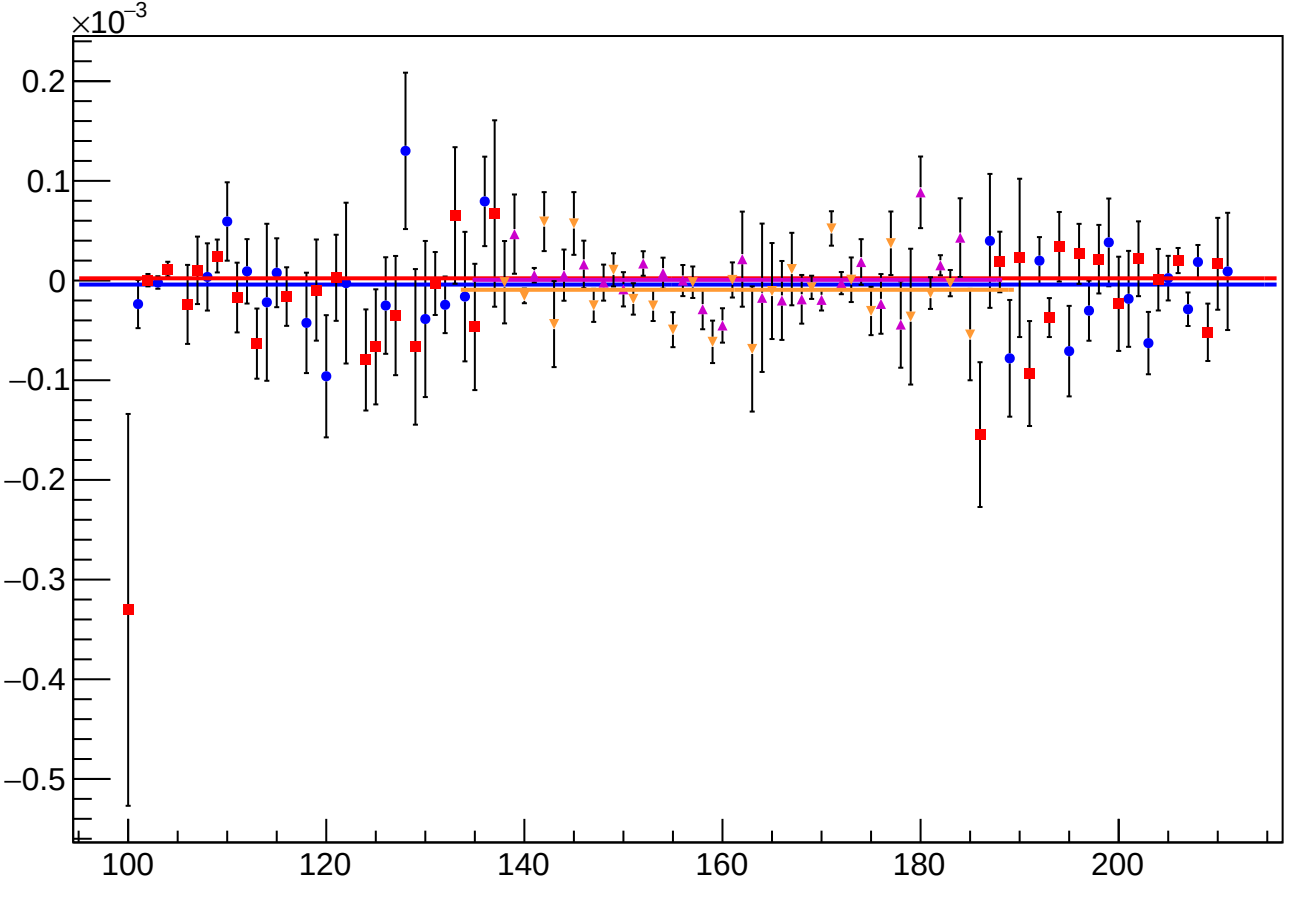
Right Out: 333.699+/-0.063 χ^2/NDF: 5501601.5/32

Left In: 540.804+/-0.094 χ^2/NDF:1904998.0/22

+ sign 442.647+/-0.056 χ^2/NDF: 6960766.9/52

All: 418.305+/-0.038 χ^2/NDF: 18066068.0/10

- sign 397.391+/-0.052 χ^2/NDF: 10758028.2/55



Right In: -0.000+/-0.000 χ^2/NDF: 28.4/27

Left Out: -0.000+/-0.000 χ^2/NDF:45.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 38.6/32

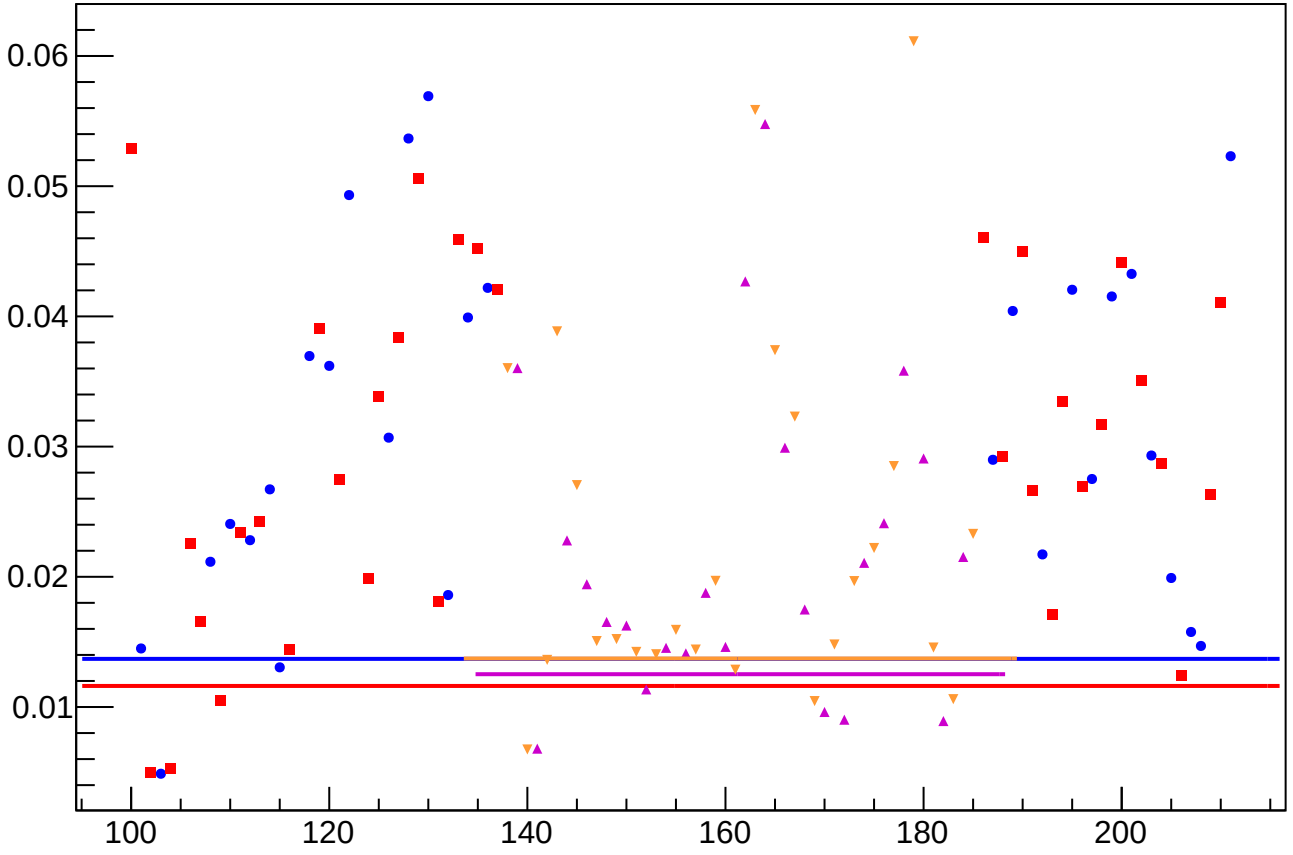
Left In: 0.000+/-0.000 χ^2/NDF:30.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 74.4/52

All: -0.000+/-0.000 χ^2/NDF: 148.4/108

- sign 0.000+/-0.000 χ^2/NDF: 68.7/55

asym_atr2_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF: 13123956.6/27

Left Out: 0.014+/-0.000 χ^2/NDF:7717157.8/24

Right Out: 0.012+/-0.000 χ^2/NDF: 15479768.6/32

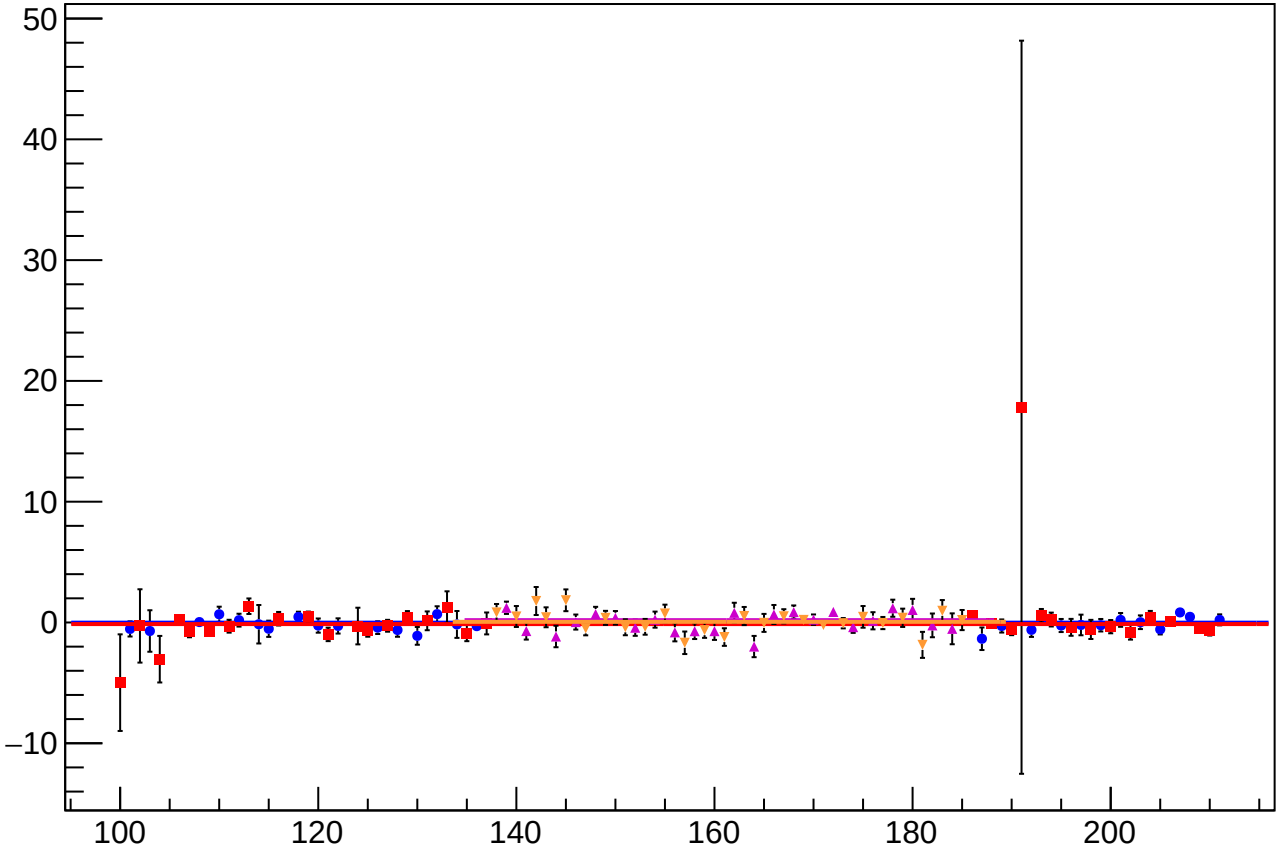
Left In: 0.013+/-0.000 χ^2/NDF:7121524.7/22

+ sign 0.014+/-0.000 χ^2/NDF: 20841160.6/52

All: 0.013+/-0.000 χ^2/NDF: 43872031.3/108

- sign 0.012+/-0.000 χ^2/NDF: 22665266.8/55

asym_atr2_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.015+/-0.101 χ^2/NDF: 24.3/27

Left Out: 0.054+/-0.130 χ^2/NDF:24.7/24

Right Out: -0.133+/-0.089 χ^2/NDF: 36.8/32

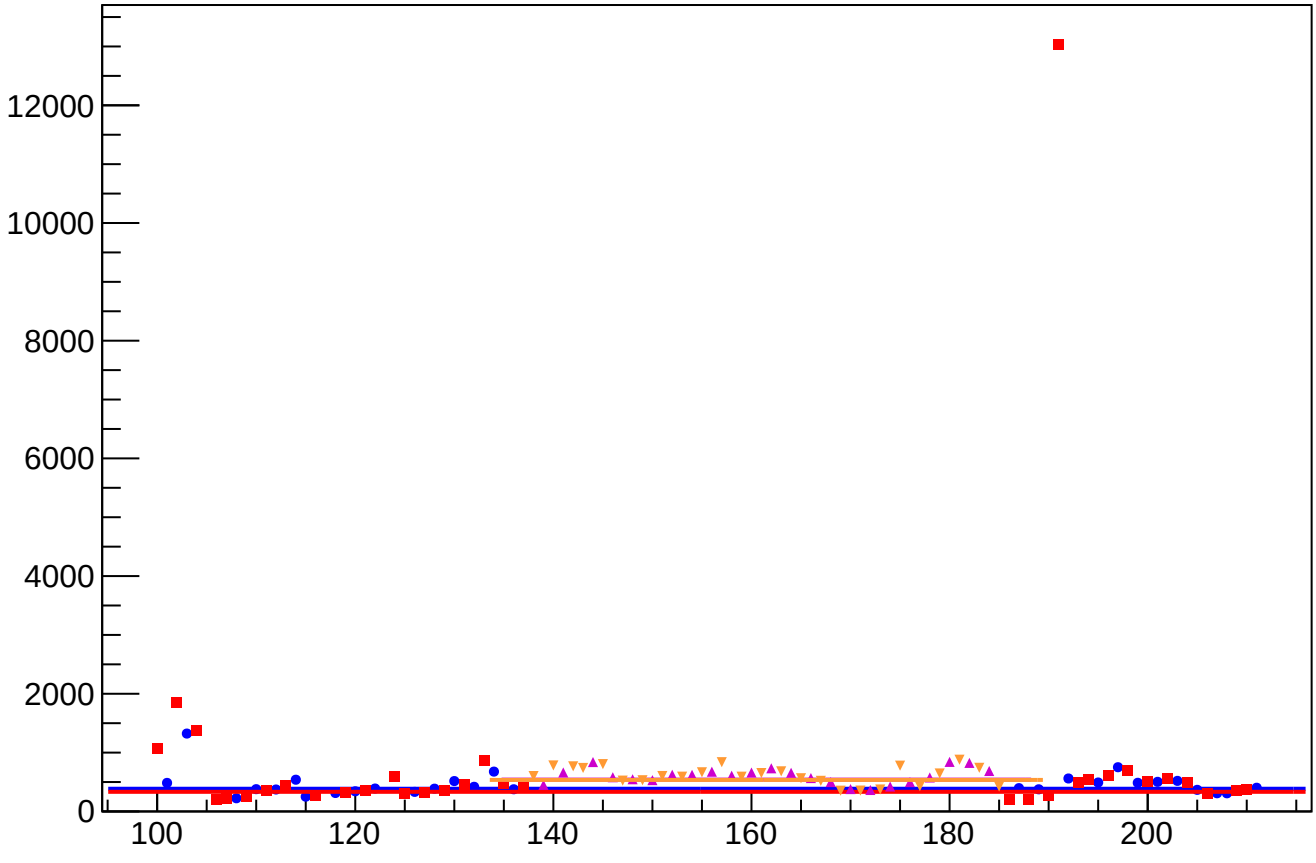
Left In: 0.191+/-0.133 χ^2/NDF:31.1/22

+ sign 0.011+/-0.080 χ^2/NDF: 49.2/52

All: -0.013+/-0.054 χ^2/NDF: 121.4/108

- sign -0.033+/-0.074 χ^2/NDF: 72.0/55

asym_atr2_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 385.875+/-0.071 χ^2/NDF: 2541354.8/27

Left Out: 535.948+/-0.092 χ^2/NDF:2749816.2/24

Right Out: 333.698+/-0.063 χ^2/NDF: 5501566.3/32

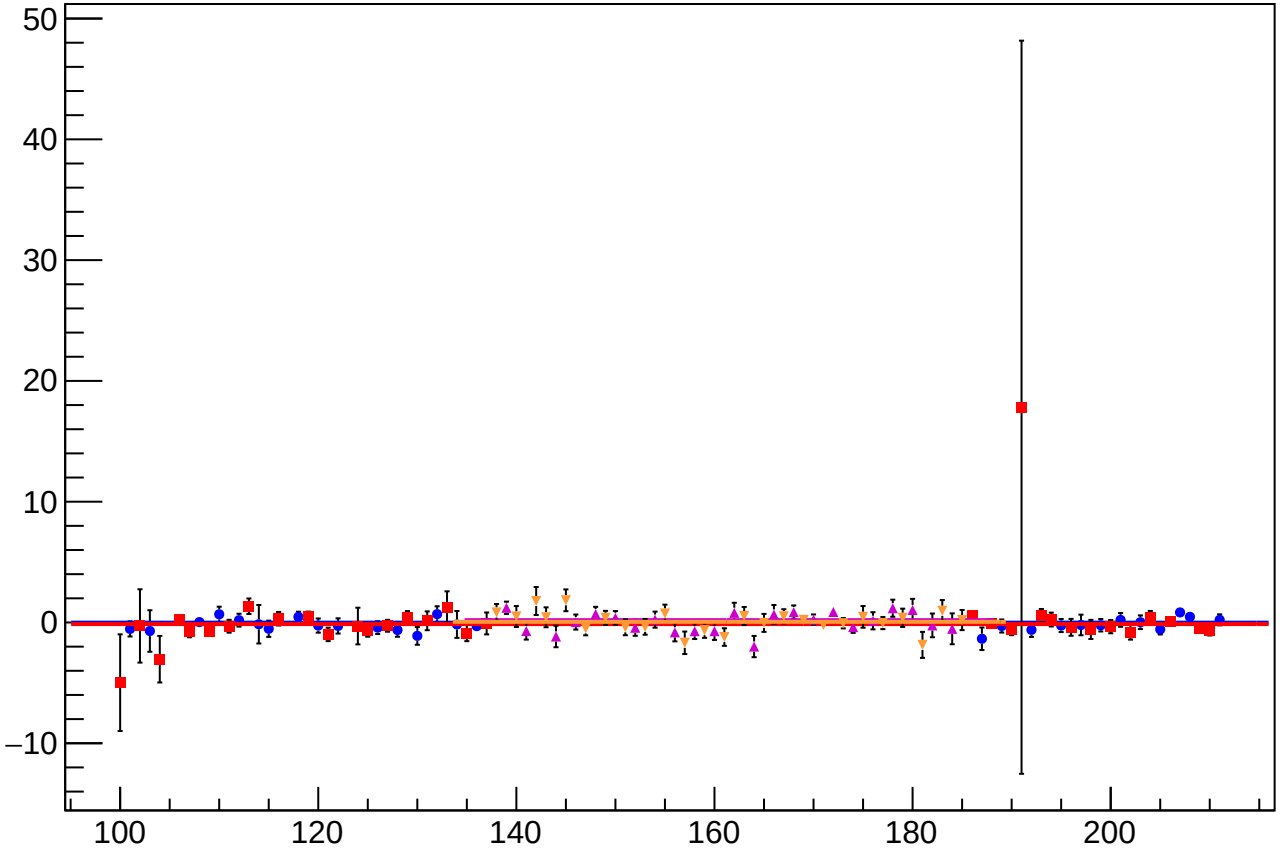
Left In: 540.809+/-0.094 χ^2/NDF:1905035.9/22

+ sign 442.647+/-0.056 χ^2/NDF: 6960992.8/52

All: 418.305+/-0.038 χ^2/NDF: 18066427.5/10

- sign 397.391+/-0.052 χ^2/NDF: 10758166.5/55

asym_atr2_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.015+/-0.101 χ^2/NDF: 24.3/27

Left Out: 0.054+/-0.130 χ^2/NDF:24.7/24

Right Out: -0.133+/-0.089 χ^2/NDF: 36.8/32

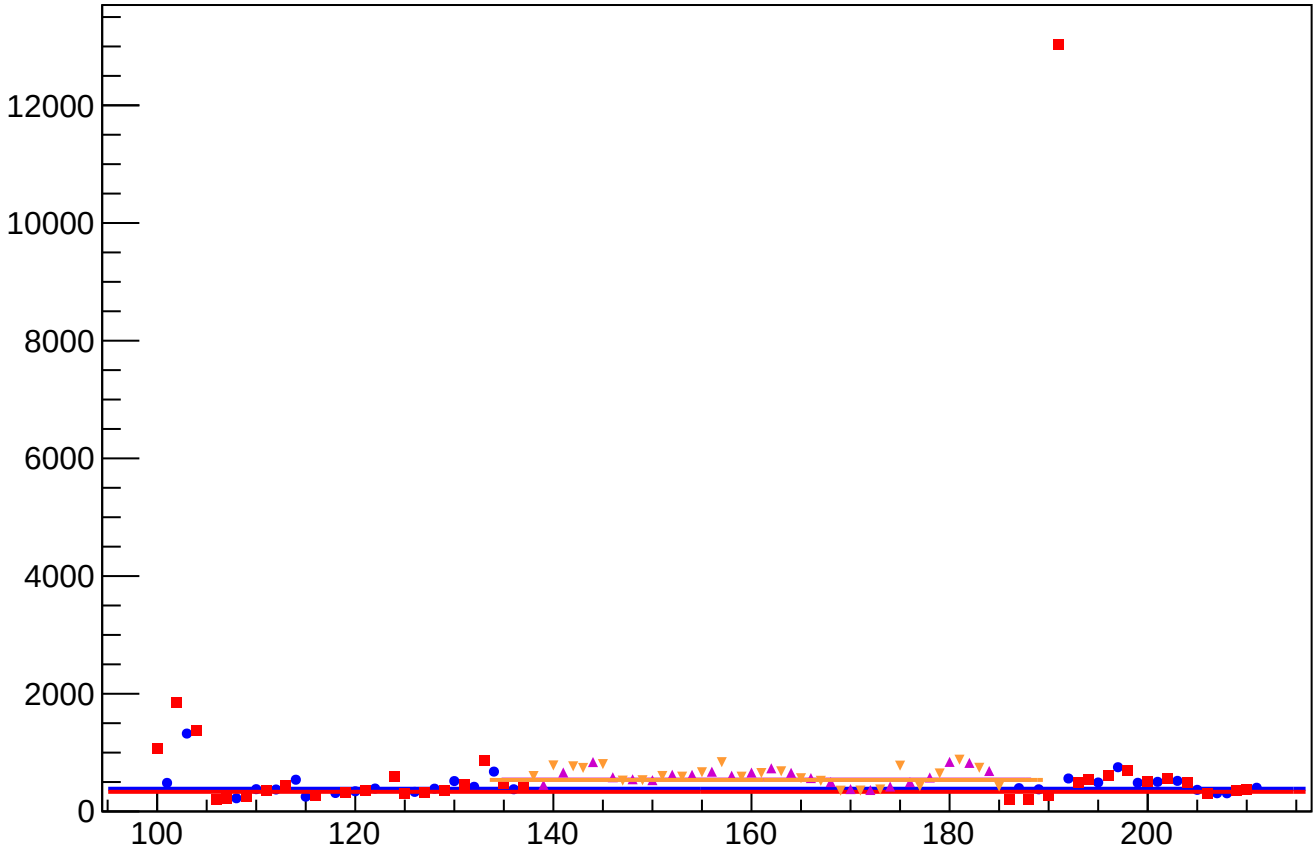
Left In: 0.191+/-0.133 χ^2/NDF:31.1/22

+ sign 0.011+/-0.080 χ^2/NDF: 49.2/52

All: -0.013+/-0.054 χ^2/NDF: 121.4/108

- sign -0.033+/-0.074 χ^2/NDF: 72.0/55

asym_atr2_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 385.875+/-0.071 χ^2/NDF: 2541354.8/27

Left Out: 535.948+/-0.092 χ^2/NDF:2749816.2/24

Right Out: 333.698+/-0.063 χ^2/NDF: 5501566.3/32

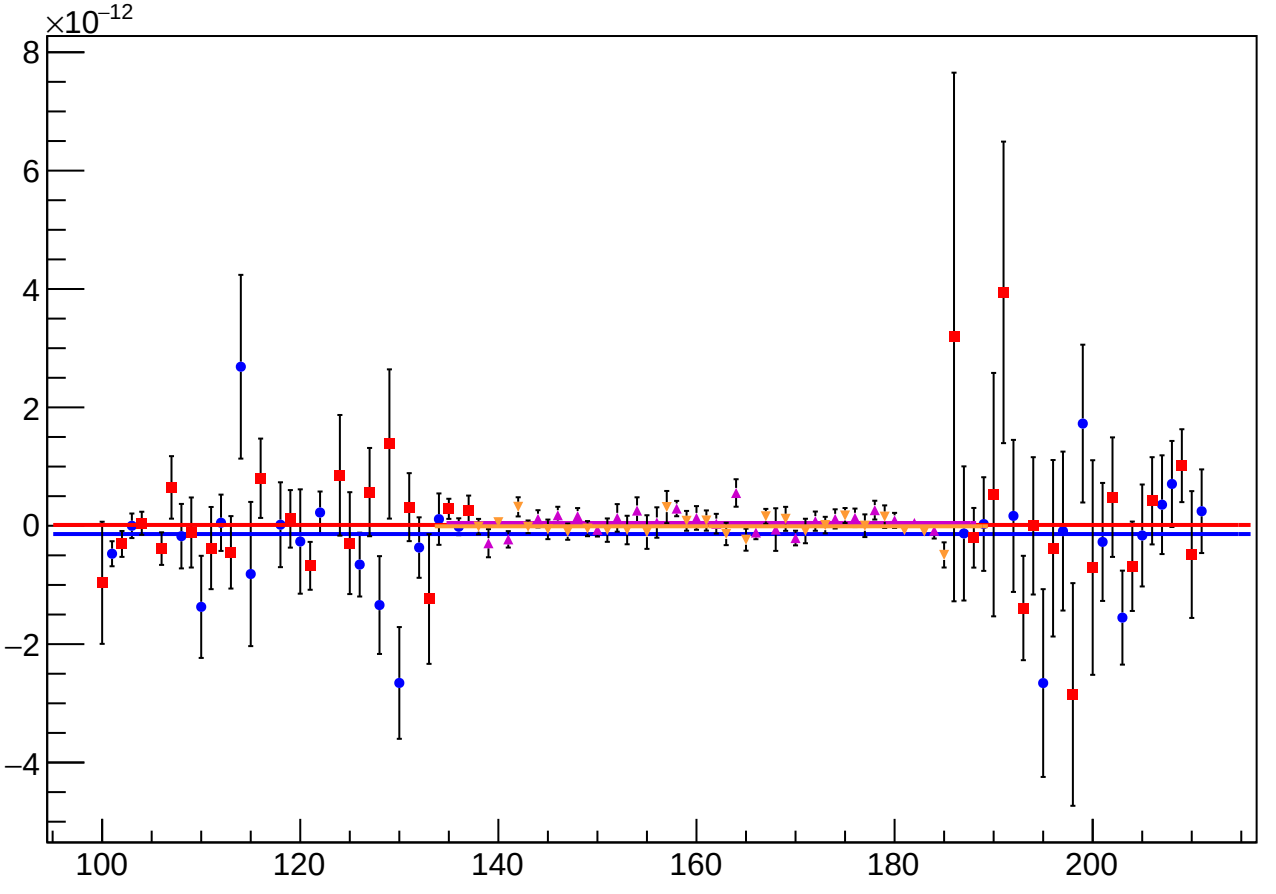
Left In: 540.809+/-0.094 χ^2/NDF:1905035.9/22

+ sign 442.647+/-0.056 χ^2/NDF: 6960992.8/52

All: 418.305+/-0.038 χ^2/NDF: 18066427.5/10

- sign 397.391+/-0.052 χ^2/NDF: 10758166.5/55

asym_atr2_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 31.0/27

Left Out: -0.000+/-0.000 χ^2/NDF:22.1/24

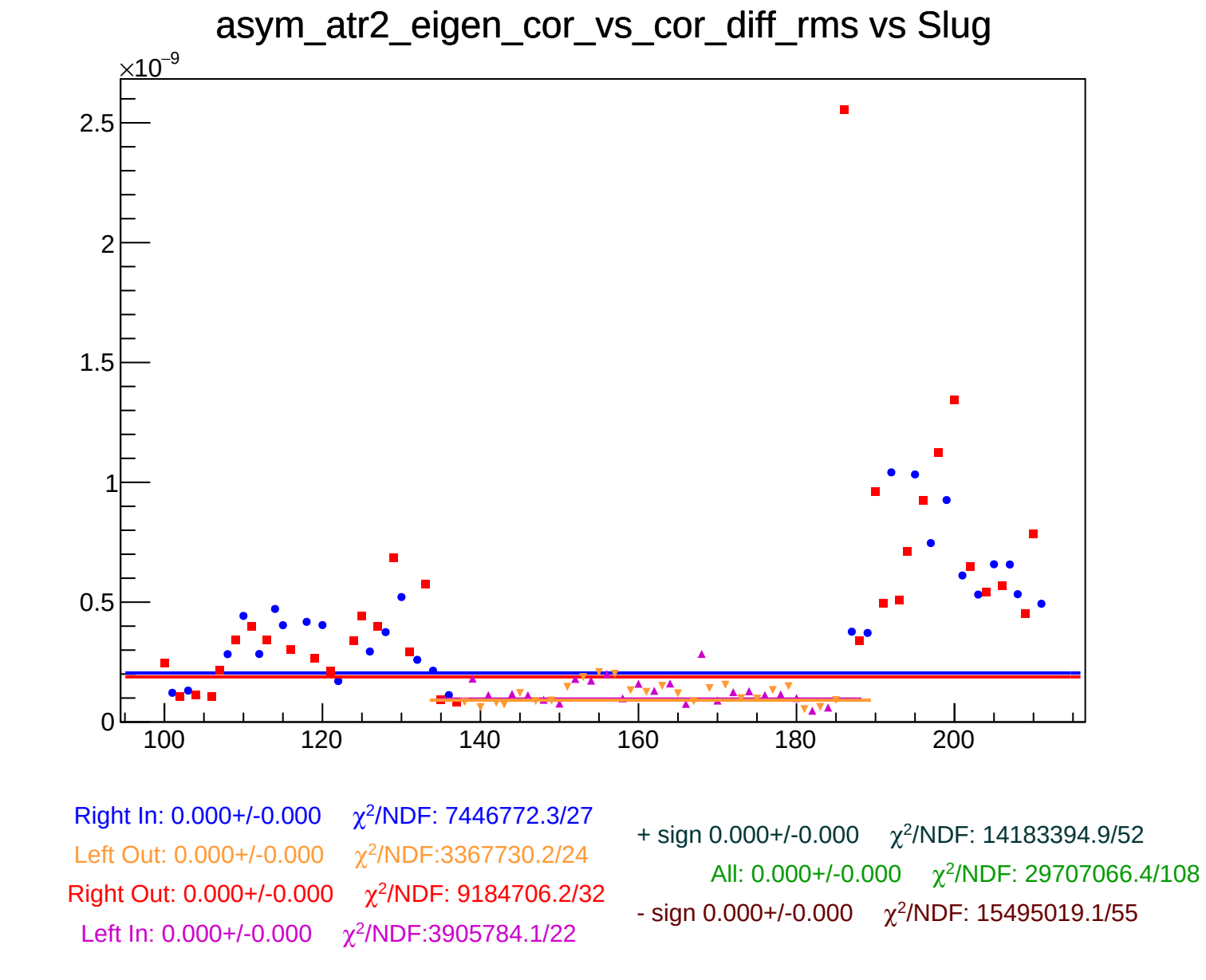
Right Out: 0.000+/-0.000 χ^2/NDF: 31.9/32

Left In: 0.000+/-0.000 χ^2/NDF:28.2/22

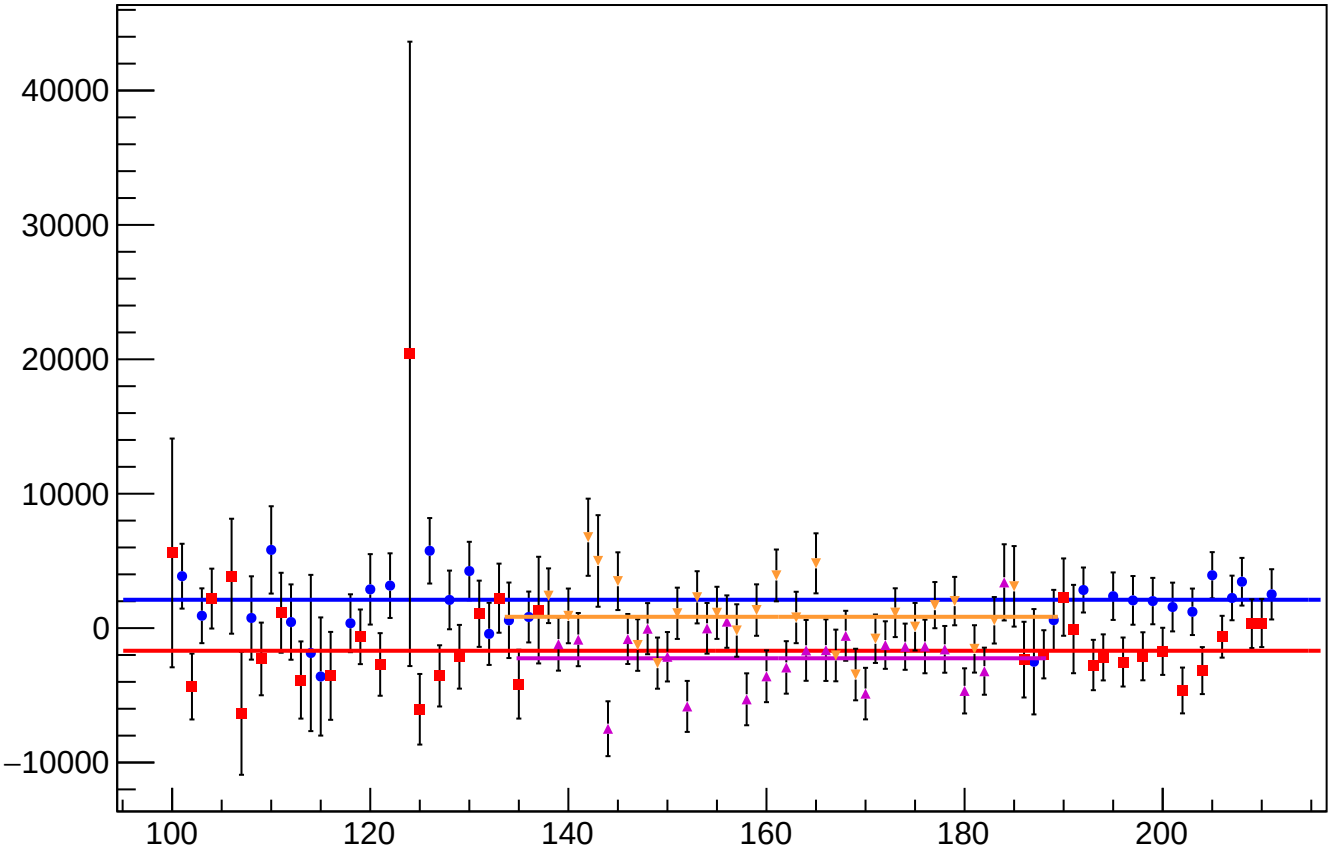
+ sign -0.000+/-0.000 χ^2/NDF: 55.4/52

All: 0.000+/-0.000 χ^2/NDF: 118.5/108

- sign 0.000+/-0.000 χ^2/NDF: 60.2/55


asym_atr2_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
2.5
2
1.5
1
0.5
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 7446772.3/27
Left Out: 0.000+/-0.000 χ²/NDF:3367730.2/24
Right Out: 0.000+/-0.000 χ²/NDF: 9184706.2/32
Left In: 0.000+/-0.000 χ²/NDF:3905784.1/22
+ sign 0.000+/-0.000 χ²/NDF: 14183394.9/52
All: 0.000+/-0.000 χ²/NDF: 29707066.4/108
- sign 0.000+/-0.000 χ²/NDF: 15495019.1/55

reg_asym_atl_avg_mean vs Slug



Right In: 2109.351+/-406.192 χ^2/NDF: 15.1/27

Left Out: 841.572+/-394.444 χ^2/NDF:30.4/24

Right Out: -1685.135+/-397.162 χ^2/NDF: 29.1/32

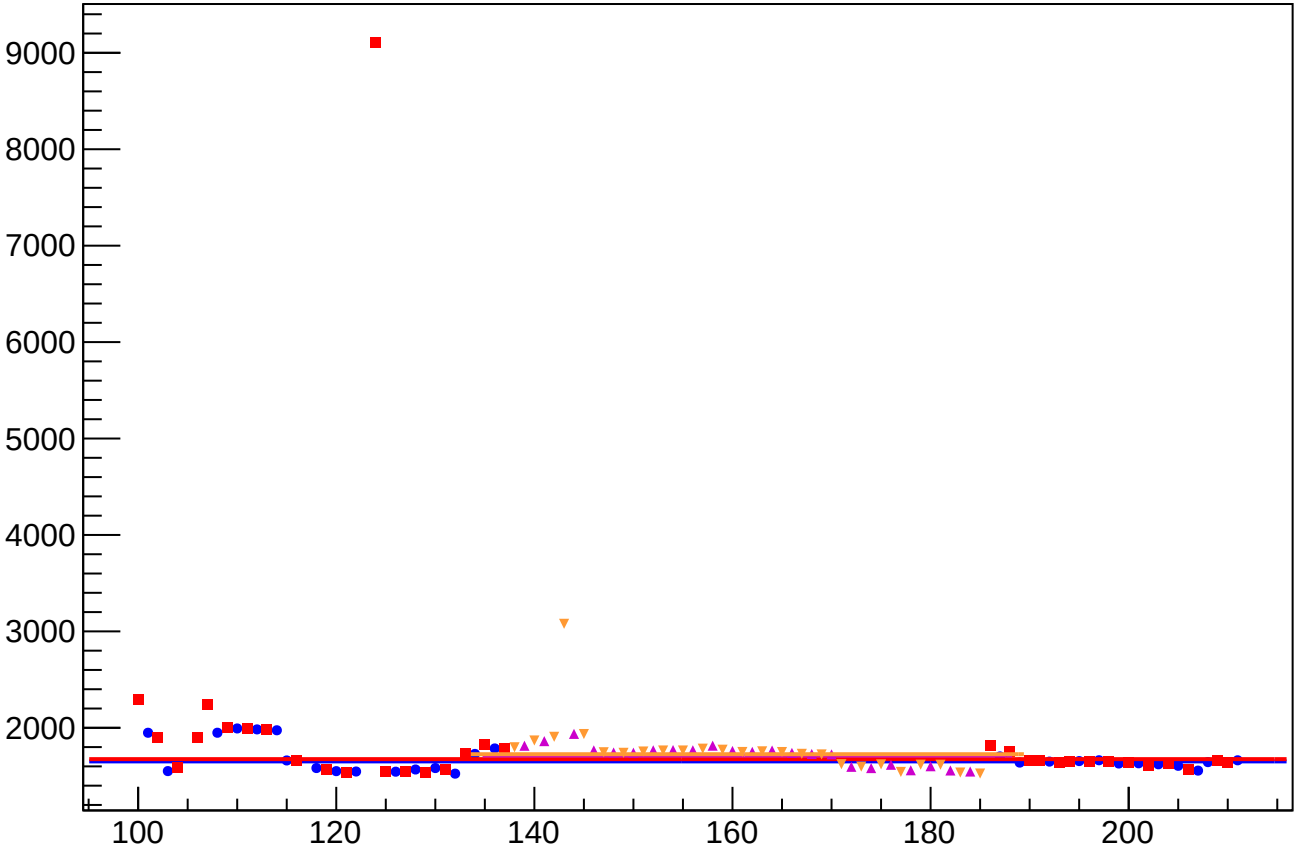
Left In: -2245.041+/-400.753 χ^2/NDF:29.4/22

+ sign 1456.863+/-282.976 χ^2/NDF: 50.5/52

All: -258.174+/-199.783 χ^2/NDF: 183.2/108

- sign -1962.568+/-282.097 χ^2/NDF: 59.5/55

reg_asym_atl_avg_rms vs Slug



Right In: 1651.734+/-0.287 χ^2/NDF: 154950.2/27

Left Out: 1726.058+/-0.279 χ^2/NDF:454930.8/24

Right Out: 1675.119+/-0.280 χ^2/NDF: 418942.1/32

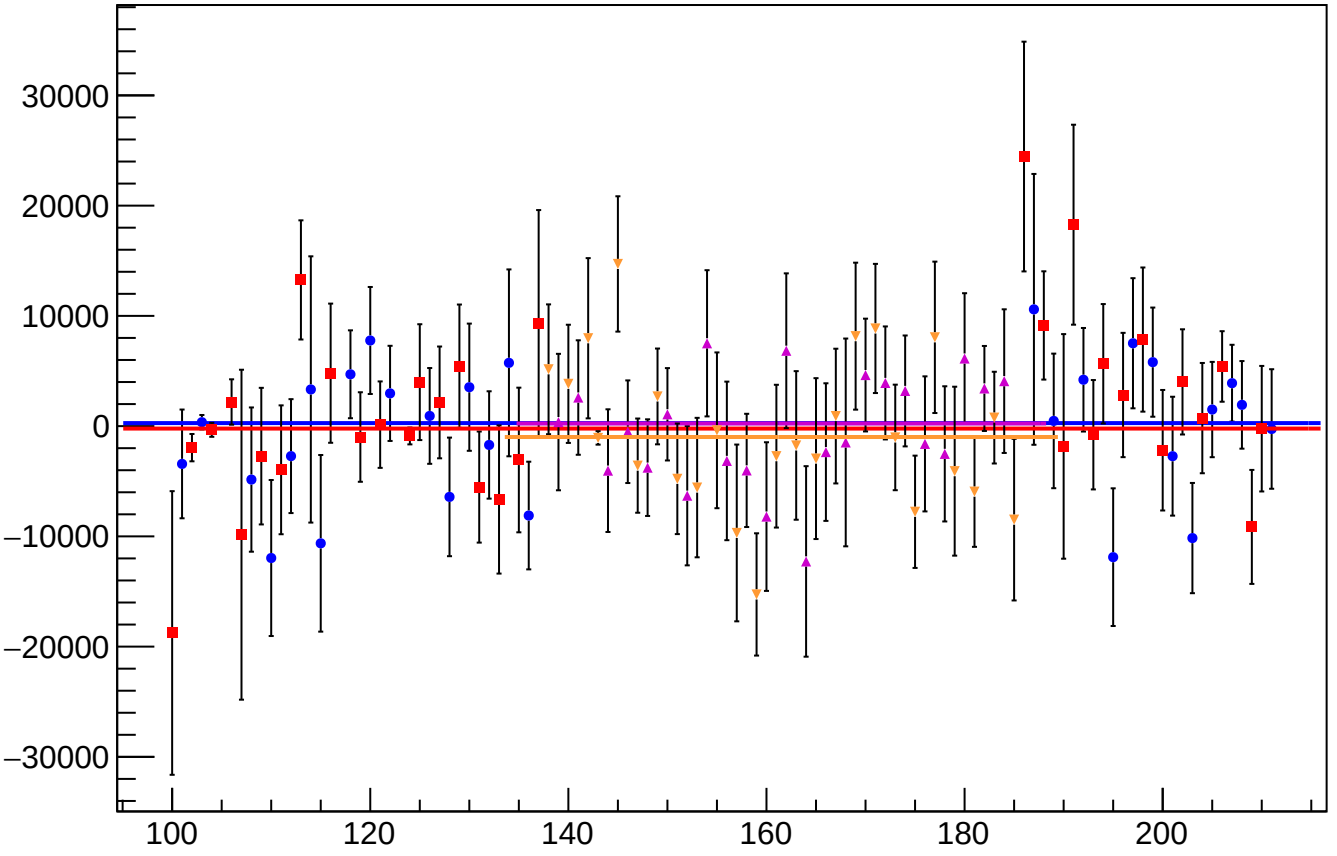
Left In: 1713.156+/-0.283 χ^2/NDF:129290.6/22

+ sign 1689.986+/-0.200 χ^2/NDF: 644344.4/52

All: 1691.967+/-0.141 χ^2/NDF: 1201878.3/10

- sign 1693.931+/-0.199 χ^2/NDF: 557338.8/55

asym_atl_avg_reg_correction_mean vs Slug



Right In: 274.824+/-547.265 χ^2/NDF: 29.8/27

Left Out: -987.621+/-541.250 χ^2/NDF:30.8/24

Right Out: -221.333+/-407.319 χ^2/NDF: 42.5/32

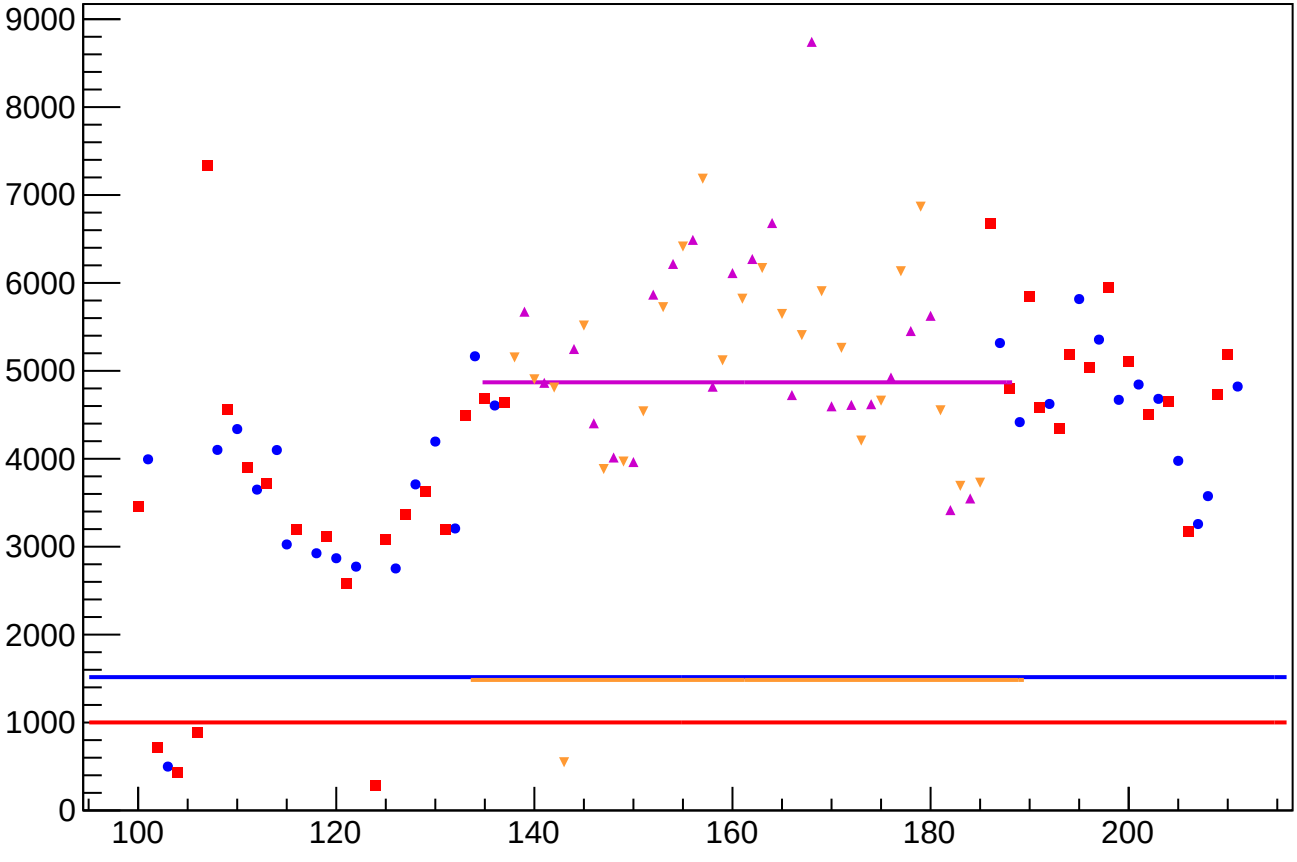
Left In: 239.582+/-1165.046 χ^2/NDF:13.5/22

+ sign -363.374+/-384.830 χ^2/NDF: 63.3/52

All: -267.169+/-271.998 χ^2/NDF: 119.6/108

- sign -171.131+/-384.497 χ^2/NDF: 56.2/55

asym_atl_avg_reg_correction_rms vs Slug



Right In: 1516.433+/-0.387 χ^2/NDF: 17508384.2/27

Left Out: 1484.563+/-0.383 χ^2/NDF:23224946.4/24

Right Out: 1001.106+/-0.288 χ^2/NDF: 22861230.2/32

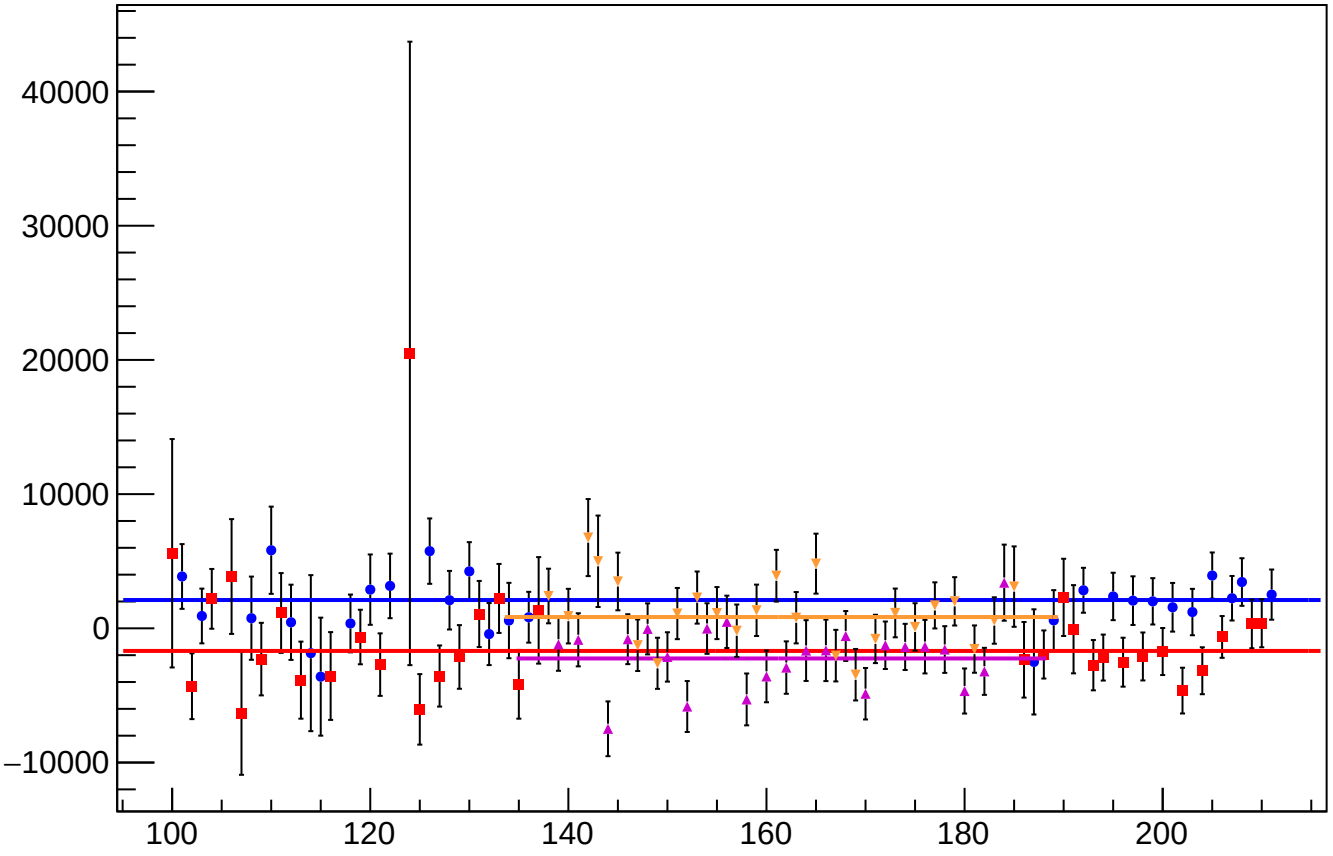
Left In: 4869.707+/-0.824 χ^2/NDF:1474225.9/22

+ sign 1500.322+/-0.272 χ^2/NDF: 40736759.3/52

All: 1461.360+/-0.192 χ^2/NDF: 84763473.6/1

- sign 1422.466+/-0.272 χ^2/NDF: 43985749.3/55

cor_asym_atl_avg_mean vs Slug



Right In: 2109.418+/-406.192 χ^2/NDF: 15.1/27

Left Out: 841.564+/-394.444 χ^2/NDF:30.4/24

Right Out: -1684.208+/-397.163 χ^2/NDF: 29.0/32

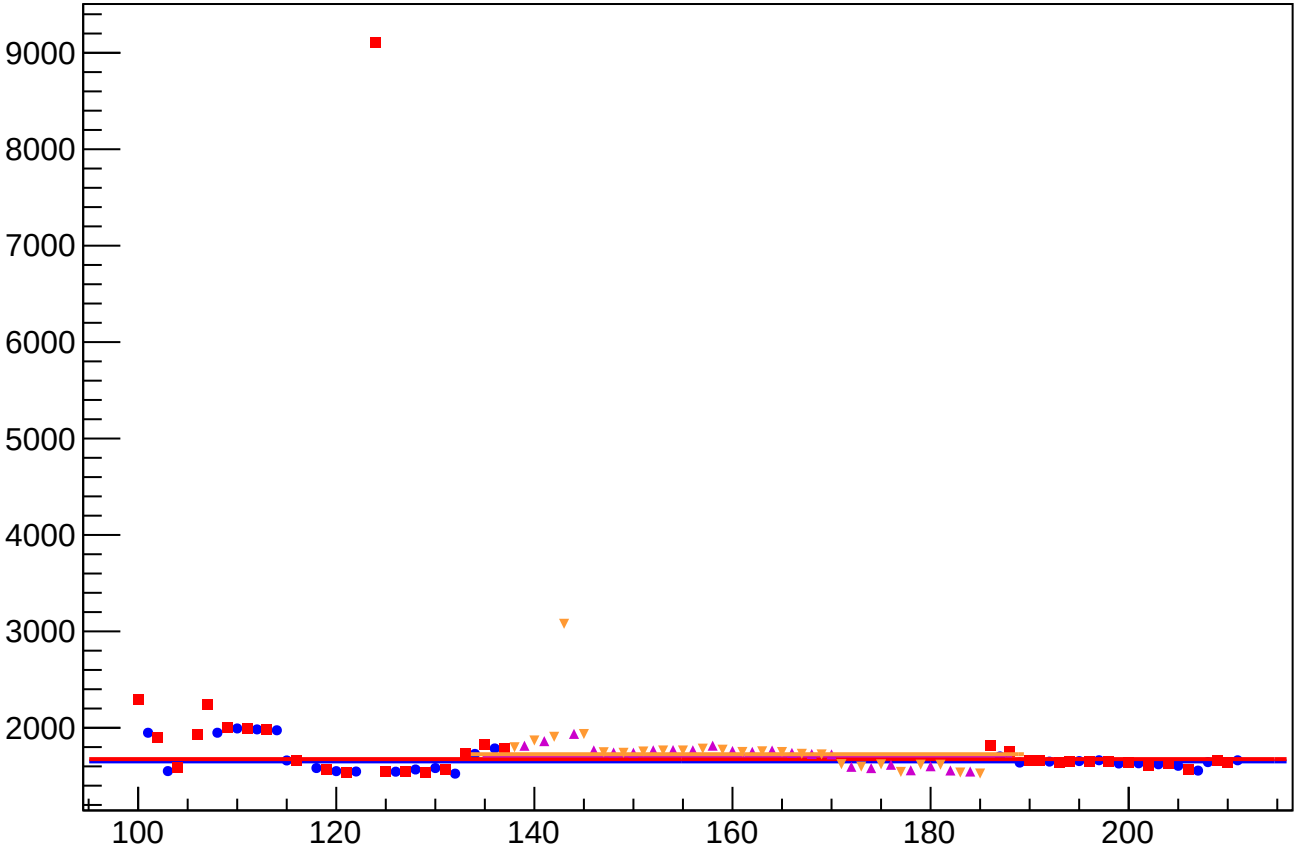
Left In: -2245.061+/-400.753 χ^2/NDF:29.4/22

+ sign 1456.891+/-282.977 χ^2/NDF: 50.5/52

All: -257.927+/-199.783 χ^2/NDF: 183.2/108

- sign -1962.111+/-282.098 χ^2/NDF: 59.4/55

cor_asym_atl_avg_rms vs Slug



Right In: 1651.734+/-0.287 χ^2/NDF: 154950.3/27

Left Out: 1726.058+/-0.279 χ^2/NDF:454930.8/24

Right Out: 1675.423+/-0.280 χ^2/NDF: 421030.7/32

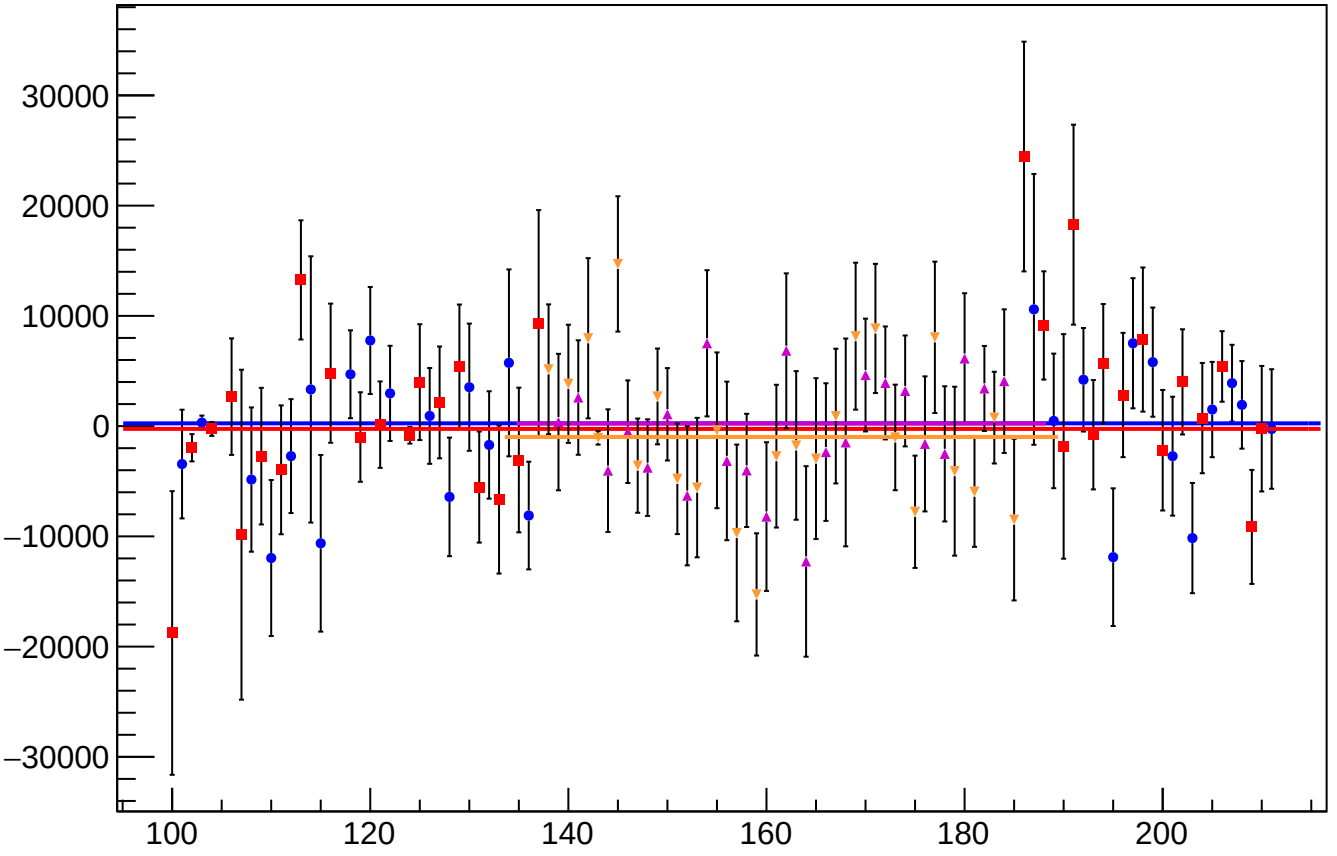
Left In: 1713.156+/-0.283 χ^2/NDF:129290.6/22

+ sign 1689.986+/-0.200 χ^2/NDF: 644344.4/52

All: 1692.046+/-0.141 χ^2/NDF: 1203836.0/10

- sign 1694.089+/-0.199 χ^2/NDF: 559280.6/55

asym_atl_avg_cor_correction_mean vs Slug



Right In: 252.357+/-537.524 χ^2/NDF: 29.8/27

Left Out: -987.291+/-541.232 χ^2/NDF:30.8/24

Right Out: -250.762+/-412.458 χ^2/NDF: 41.3/32

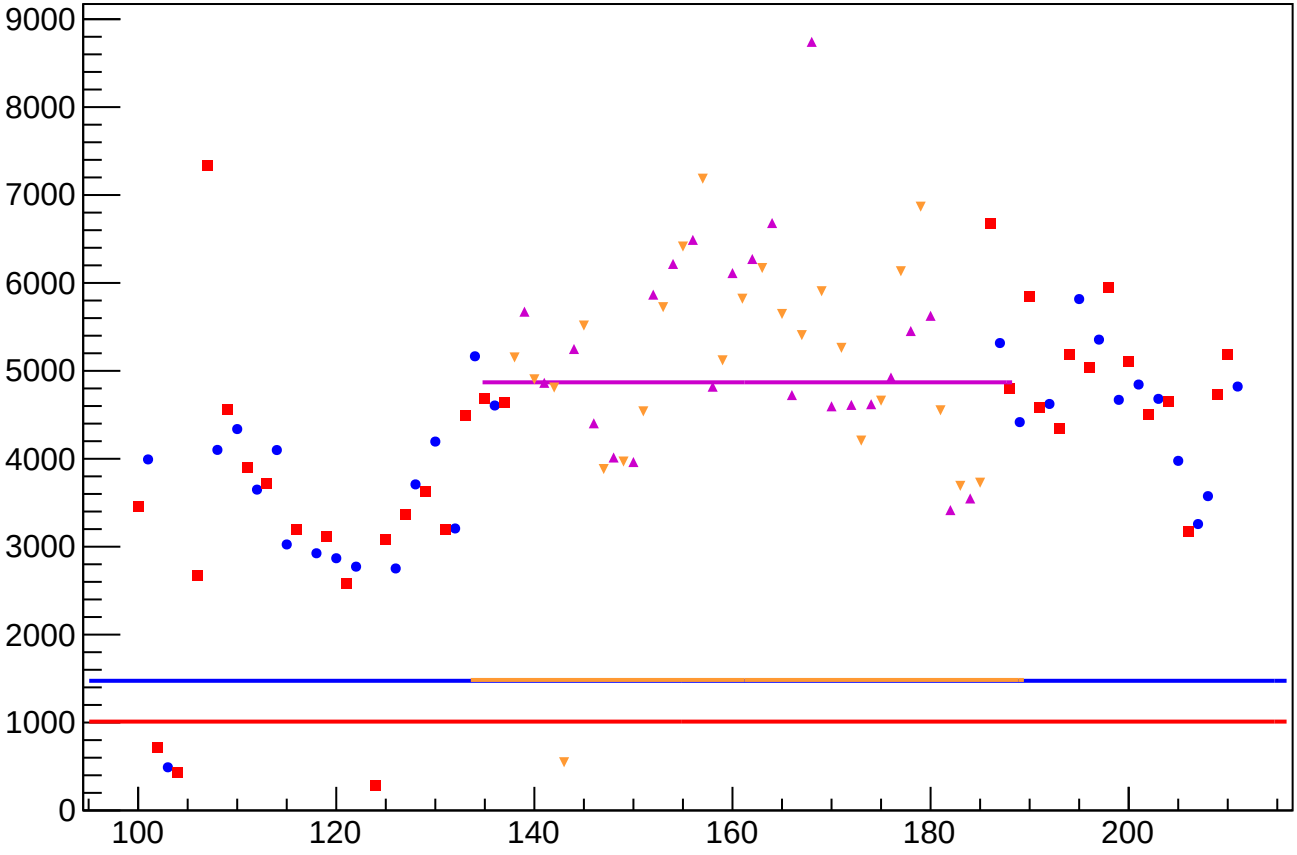
Left In: 239.478+/-1165.045 χ^2/NDF:13.5/22

+ sign -363.206+/-381.391 χ^2/NDF: 63.3/52

All: -281.292+/-272.270 χ^2/NDF: 118.3/108

- sign -196.161+/-388.811 χ^2/NDF: 55.0/55

asym_atl_avg_cor_correction_rms vs Slug



Right In: 1474.751+/-0.380 χ^2/NDF: 17830905.9/27

Left Out: 1484.485+/-0.383 χ^2/NDF:23225570.5/24

Right Out: 1010.657+/-0.292 χ^2/NDF: 23097965.1/32

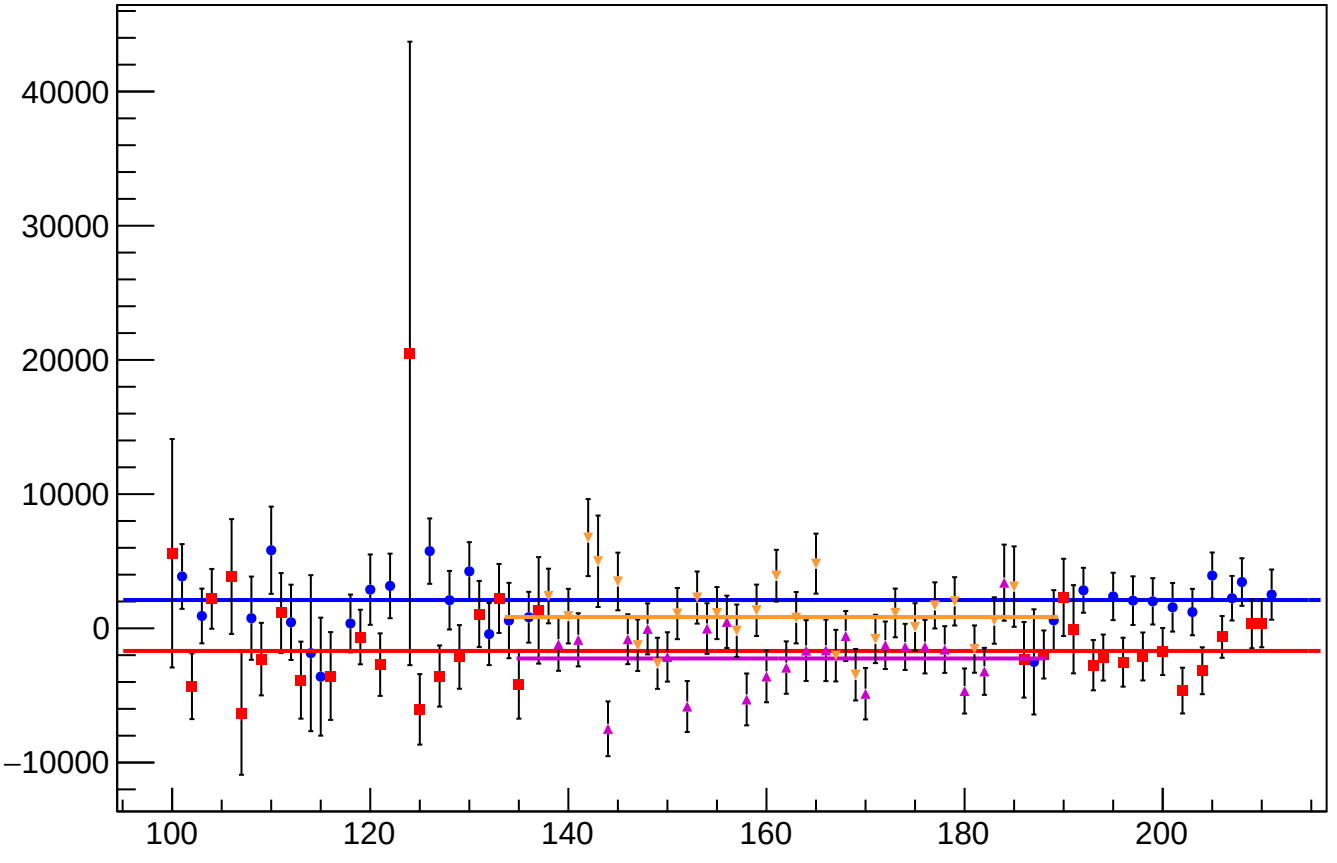
Left In: 4869.699+/-0.824 χ^2/NDF:1474252.6/22

+ sign 1479.584+/-0.270 χ^2/NDF: 41056802.1/52

All: 1460.400+/-0.193 χ^2/NDF: 85138765.4/1

- sign 1440.461+/-0.275 χ^2/NDF: 44071643.4/55

eigen_cor_asym_atl_avg_mean vs Slug



Right In: 2109.418+/-406.192 χ^2/NDF: 15.1/27

Left Out: 841.564+/-394.444 χ^2/NDF:30.4/24

Right Out: -1684.208+/-397.163 χ^2/NDF: 29.0/32

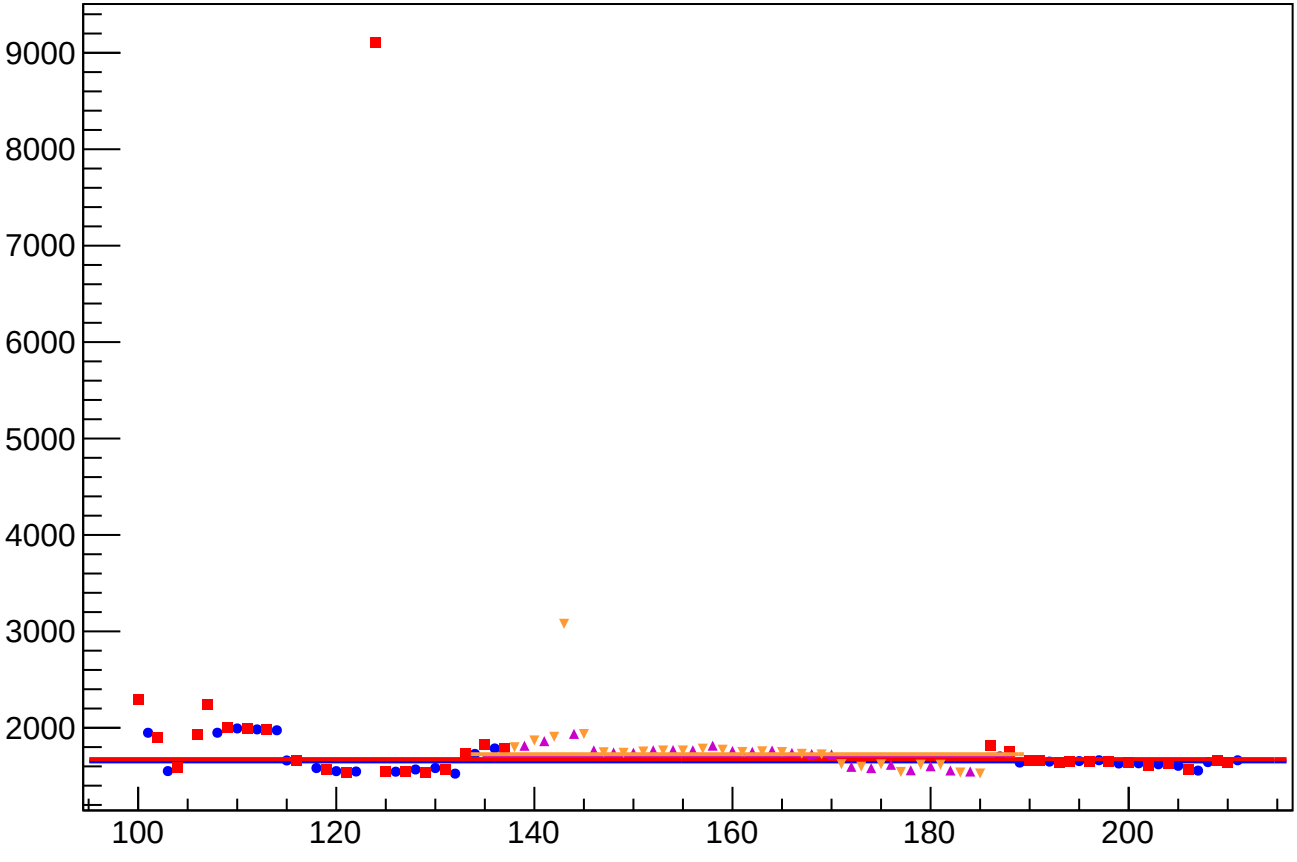
Left In: -2245.061+/-400.753 χ^2/NDF:29.4/22

+ sign 1456.891+/-282.977 χ^2/NDF: 50.5/52

All: -257.927+/-199.783 χ^2/NDF: 183.2/108

- sign -1962.111+/-282.098 χ^2/NDF: 59.4/55

eigen_cor_asym_atl_avg_rms vs Slug



Right In: 1651.734+/-0.287 χ^2/NDF: 154950.3/27

Left Out: 1726.058+/-0.279 χ^2/NDF:454930.8/24

Right Out: 1675.423+/-0.280 χ^2/NDF: 421030.7/32

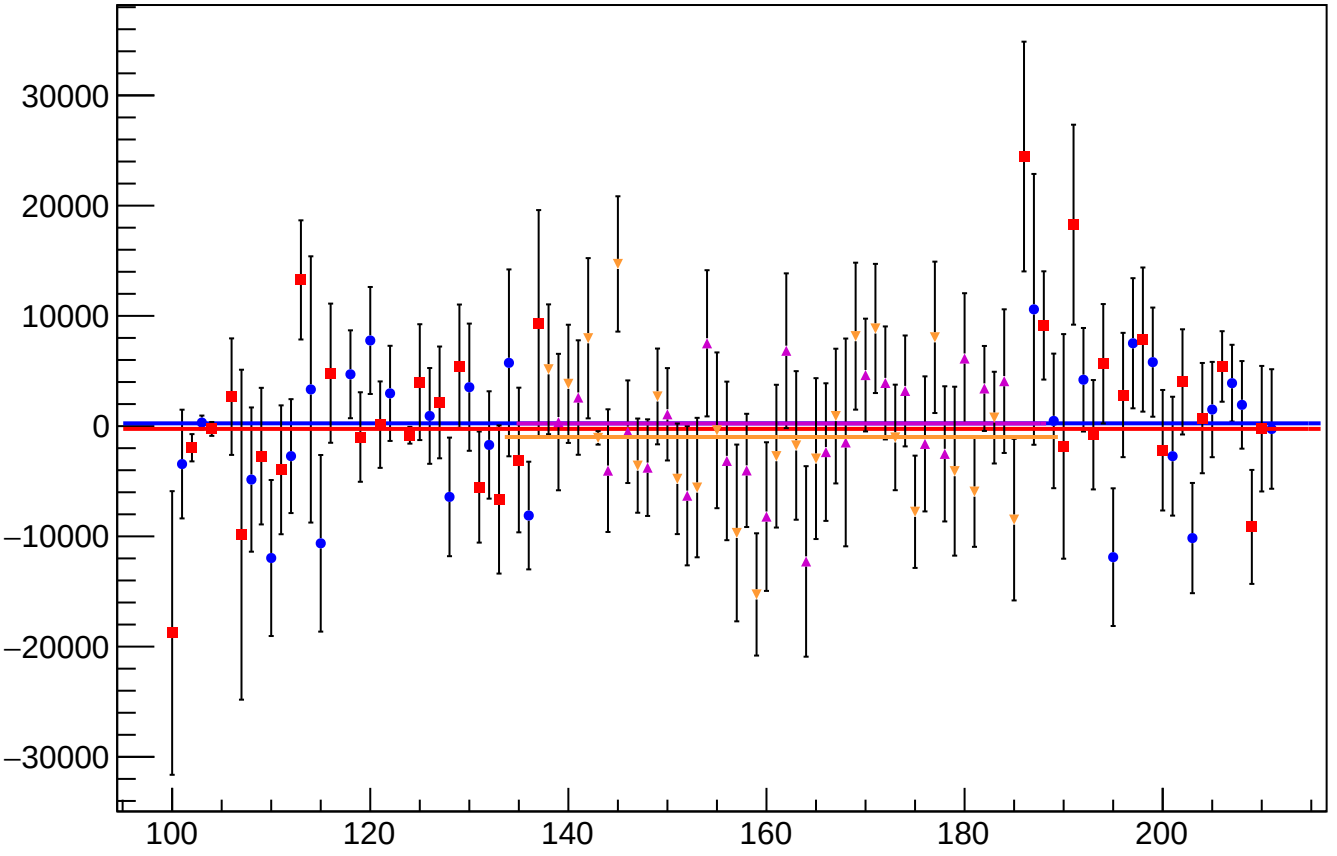
Left In: 1713.156+/-0.283 χ^2/NDF:129290.6/22

+ sign 1689.986+/-0.200 χ^2/NDF: 644344.4/52

All: 1692.046+/-0.141 χ^2/NDF: 1203836.0/10

- sign 1694.089+/-0.199 χ^2/NDF: 559280.6/55

asym_atl_avg_eigen_cor_correction_mean vs Slug



Right In: 252.357+/-537.524 χ^2/NDF: 29.8/27

Left Out: -987.291+/-541.232 χ^2/NDF:30.8/24

Right Out: -250.762+/-412.458 χ^2/NDF: 41.3/32

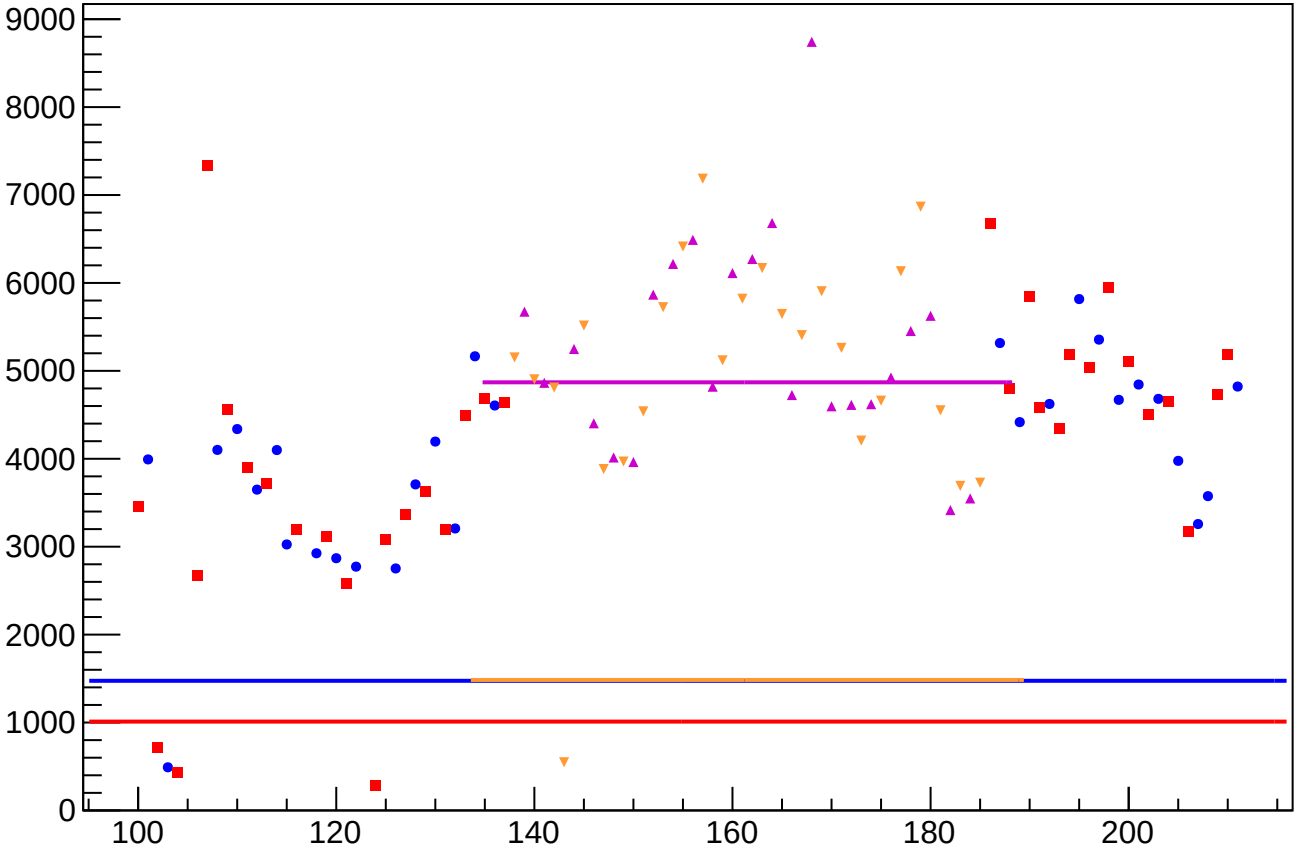
Left In: 239.478+/-1165.045 χ^2/NDF:13.5/22

+ sign -363.206+/-381.391 χ^2/NDF: 63.3/52

All: -281.292+/-272.270 χ^2/NDF: 118.3/108

- sign -196.161+/-388.811 χ^2/NDF: 55.0/55

asym_atl_avg_eigen_cor_correction_rms vs Slug



Right In: 1474.751+/-0.380 χ^2/NDF: 17830905.9/27

Left Out: 1484.485+/-0.383 χ^2/NDF:23225570.5/24

Right Out: 1010.657+/-0.292 χ^2/NDF: 23097965.1/32

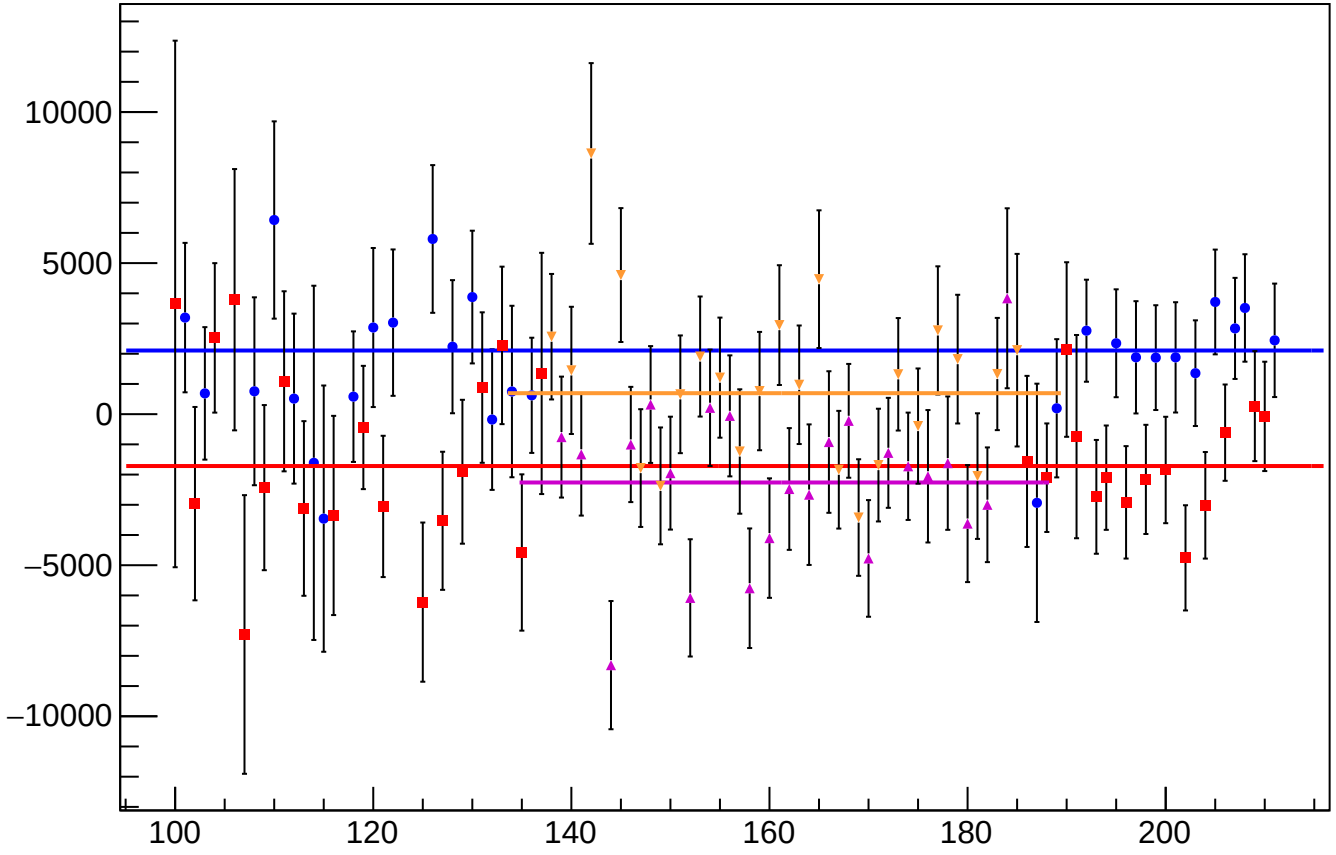
Left In: 4869.699+/-0.824 χ^2/NDF:1474252.6/22

+ sign 1479.584+/-0.270 χ^2/NDF: 41056802.1/52

All: 1460.400+/-0.193 χ^2/NDF: 85138765.4/1

- sign 1440.461+/-0.275 χ^2/NDF: 44071643.4/55

dit_asym_atl_avg_mean vs Slug



Right In: 2106.871+/-410.752 χ^2/NDF: 14.8/27

Left Out: 694.317+/-418.051 χ^2/NDF:32.2/23

Right Out: -1716.964+/-404.300 χ^2/NDF: 26.3/31

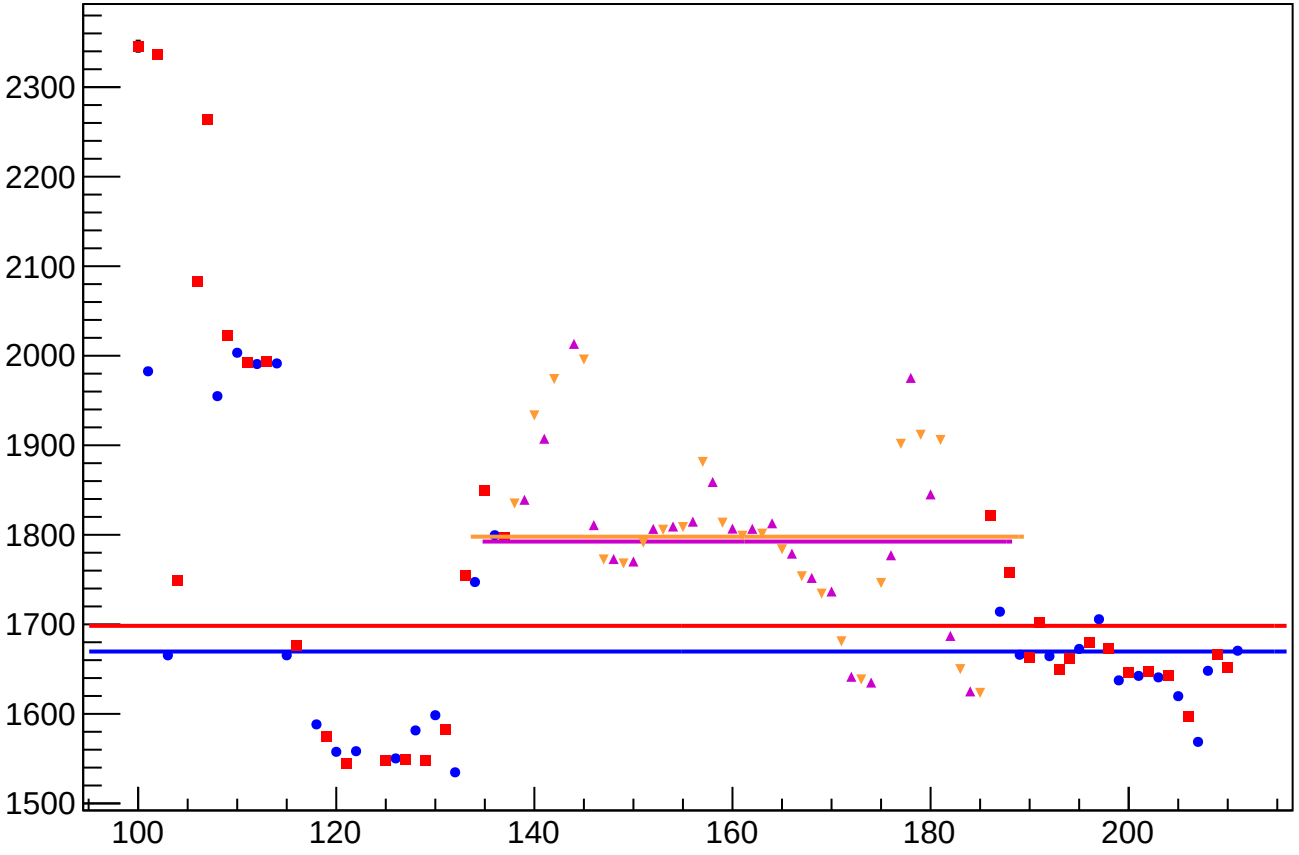
Left In: -2261.767+/-419.177 χ^2/NDF:30.4/22

+ sign 1413.032+/-292.992 χ^2/NDF: 52.8/51

All: -294.815+/-206.469 χ^2/NDF: 177.9/106

- sign -1979.527+/-291.001 χ^2/NDF: 57.6/54

dit_asym_atl_avg_rms vs Slug



Right In: 1669.647+/-0.290 χ^2/NDF: 152017.4/27

Left Out: 1797.909+/-0.296 χ^2/NDF:98002.1/23

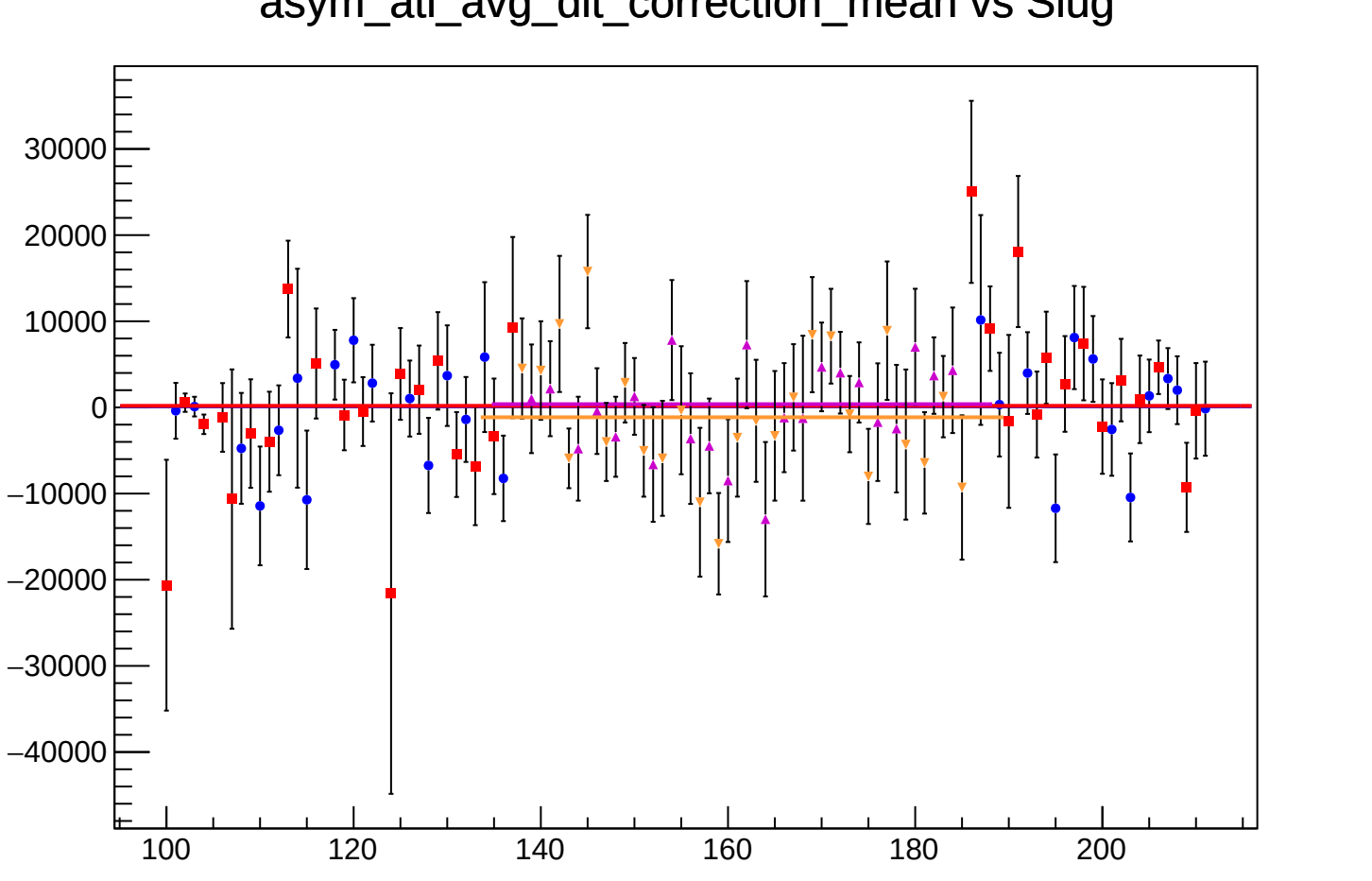
Right Out: 1698.325+/-0.286 χ^2/NDF: 285892.2/31

Left In: 1792.450+/-0.296 χ^2/NDF:92875.2/22

+ sign 1732.649+/-0.207 χ^2/NDF: 345810.4/51

All: 1738.188+/-0.146 χ^2/NDF: 778283.2/106

- sign 1743.648+/-0.206 χ^2/NDF: 431053.2/54



Right In: 121.164+/-743.653 χ^2/NDF: 28.8/27

Left Out: -1144.405+/-1164.458 χ^2/NDF:32.6/24

Right Out: 180.100+/-612.990 χ^2/NDF: 41.0/32

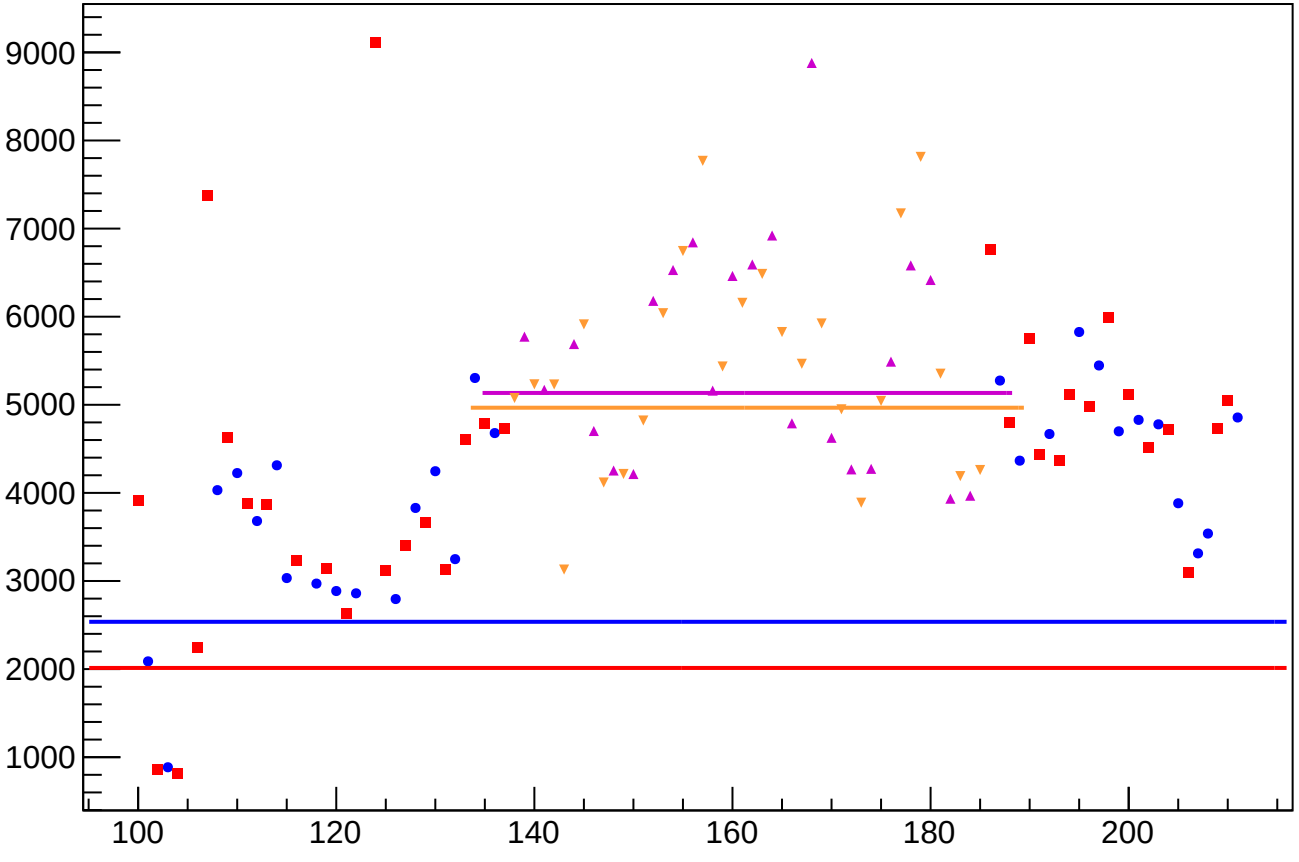
Left In: 374.927+/-1228.699 χ^2/NDF:13.3/22

\+ sign -245.463+/-626.748 χ^2/NDF: 62.2/52

All: 17.508+/-412.765 χ^2/NDF: 116.8/108

\- sign 218.928+/-548.518 χ^2/NDF: 54.3/55

asym_atl_avg_dit_correction_rms vs Slug



Right In: 2536.807+/-0.526 χ^2/NDF: 9176887.6/27

Left Out: 4966.879+/-0.823 χ^2/NDF:1917937.7/24

Right Out: 2012.993+/-0.433 χ^2/NDF: 14458559.3/32

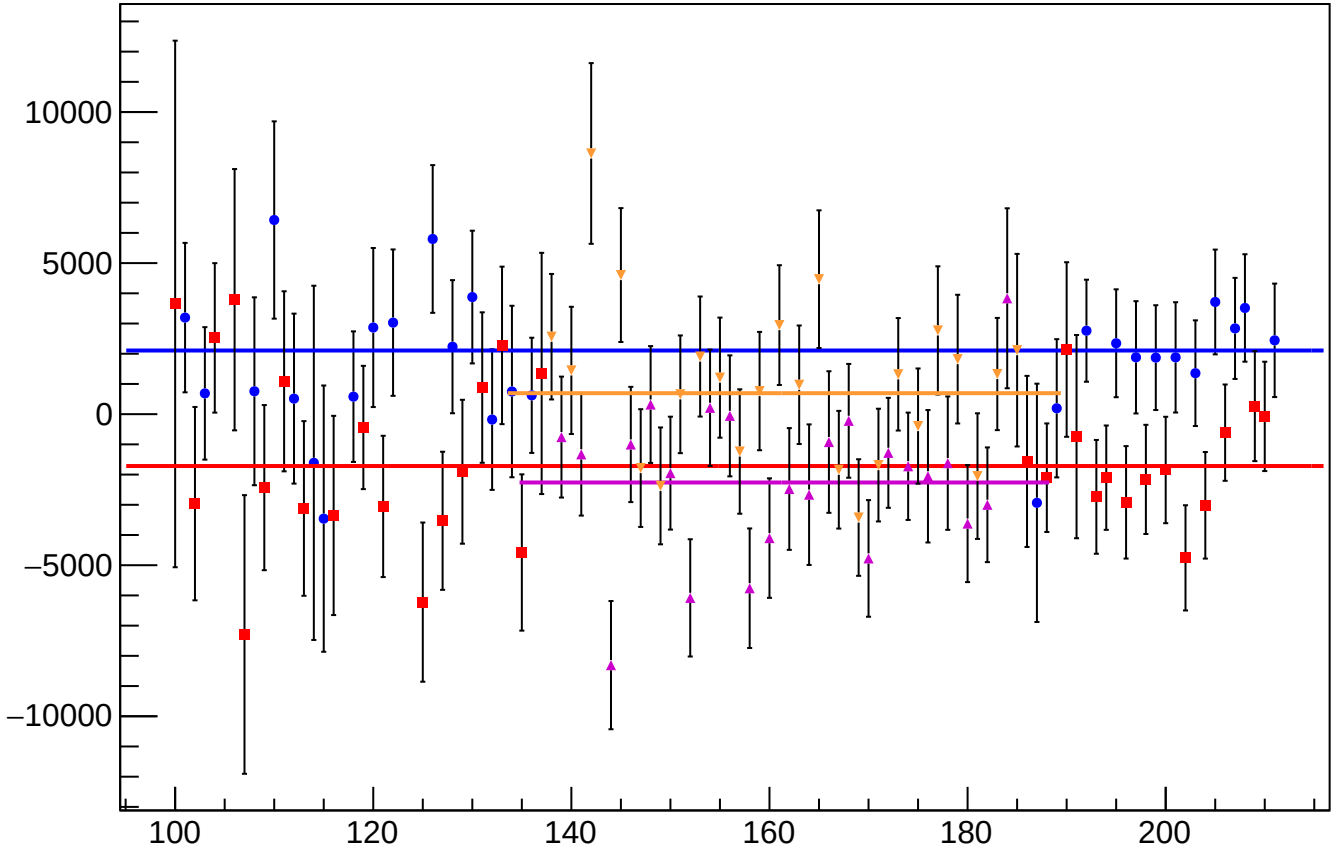
Left In: 5134.445+/-0.869 χ^2/NDF:1487075.9/22

+ sign 3240.783+/-0.443 χ^2/NDF: 17281629.7/52

All: 2897.787+/-0.292 χ^2/NDF: 44620420.7/1

- sign 2635.074+/-0.388 χ^2/NDF: 26281010.0/55

eigen_dit_asym_atl_avg_mean vs Slug



Right In: 2106.868+/-410.752 χ^2/NDF: 14.8/27

Left Out: 694.313+/-418.051 χ^2/NDF:32.2/23

Right Out: -1716.960+/-404.300 χ^2/NDF: 26.3/31

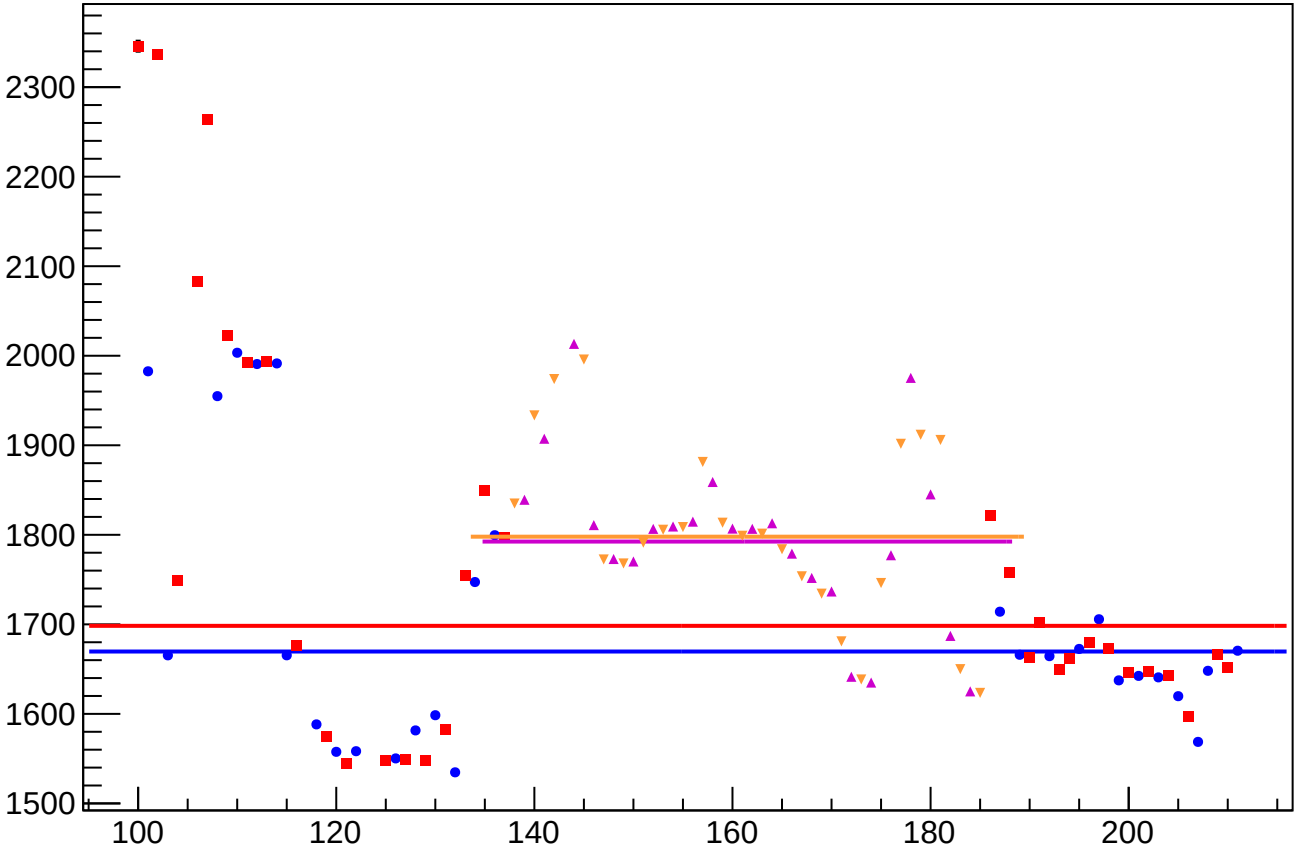
Left In: -2261.767+/-419.177 χ^2/NDF:30.4/22

+ sign 1413.029+/-292.992 χ^2/NDF: 52.8/51

All: -294.816+/-206.469 χ^2/NDF: 177.9/106

- sign -1979.524+/-291.001 χ^2/NDF: 57.6/54

eigen_dit_asym_atl_avg_rms vs Slug



Right In: 1669.647+/-0.290 χ^2/NDF: 152017.6/27

Left Out: 1797.911+/-0.296 χ^2/NDF:98005.5/23

Right Out: 1698.325+/-0.286 χ^2/NDF: 285891.6/31

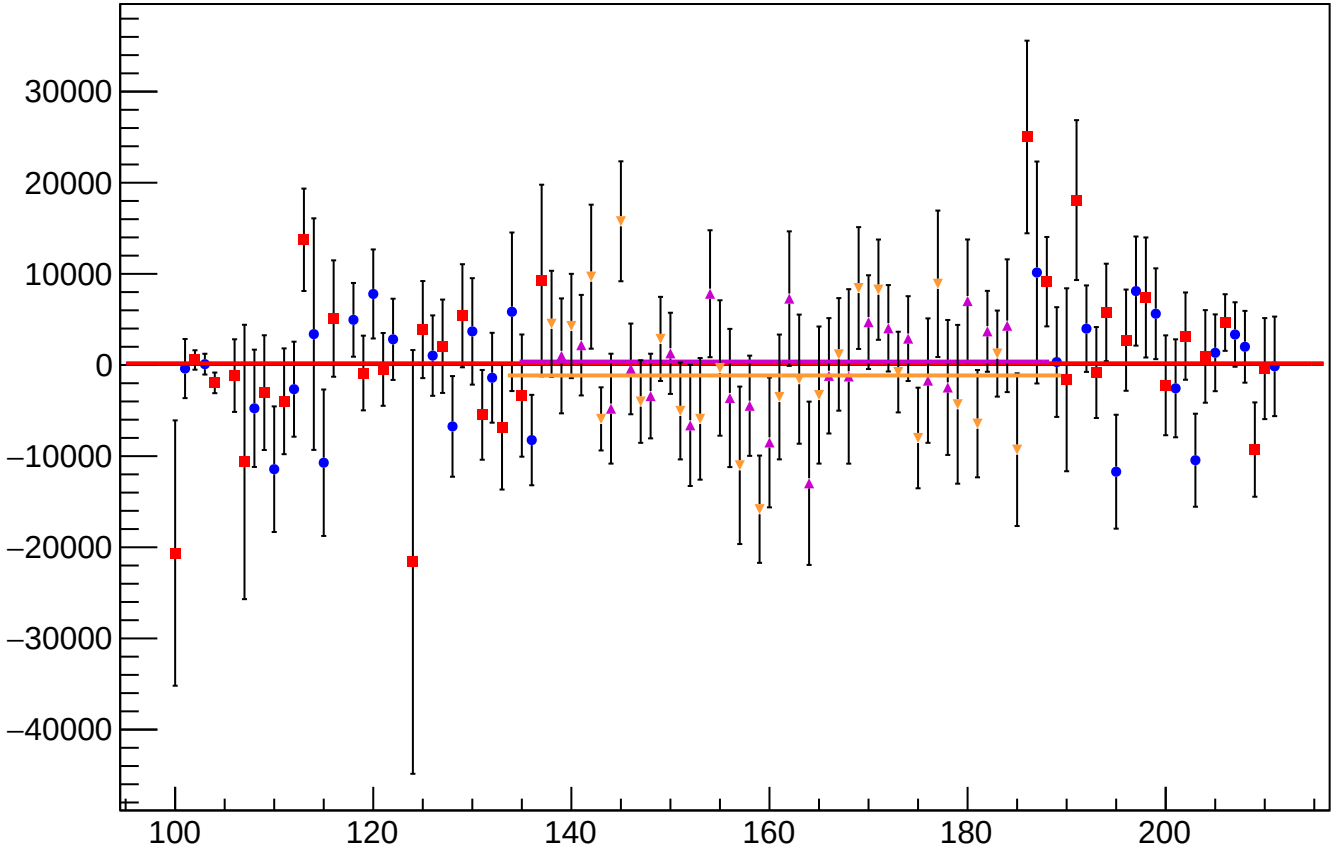
Left In: 1792.451+/-0.296 χ^2/NDF:92878.6/22

+ sign 1732.649+/-0.207 χ^2/NDF: 345816.1/51

All: 1738.189+/-0.146 χ^2/NDF: 778293.2/106

- sign 1743.648+/-0.206 χ^2/NDF: 431057.6/54

asym_atl_avg_eigen_dit_correction_mean vs Slug



Right In: 121.165+/-743.650 χ^2/NDF: 28.8/27

Left Out: -1144.411+/-1164.460 χ^2/NDF:32.6/24

Right Out: 180.093+/-612.987 χ^2/NDF: 41.0/32

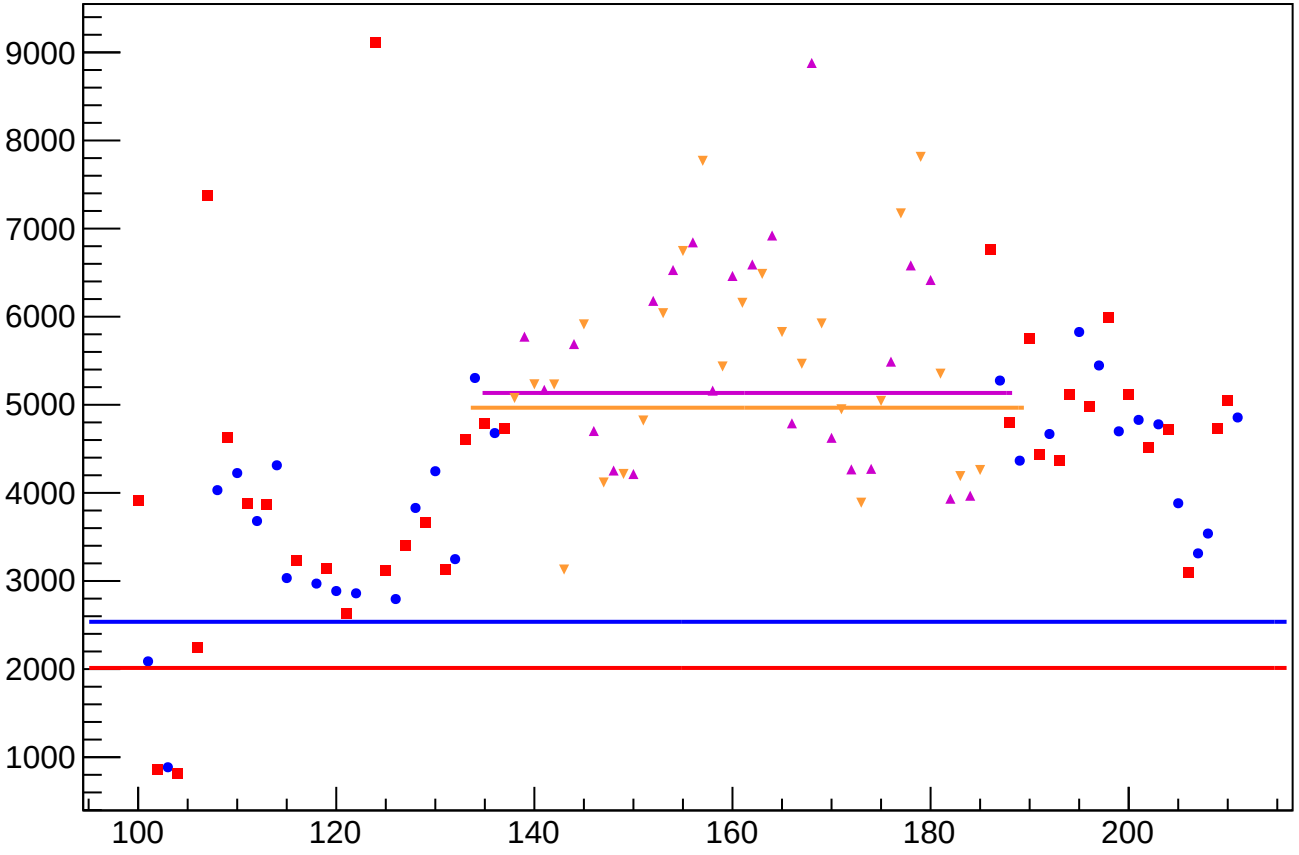
Left In: 374.928+/-1228.701 χ^2/NDF:13.3/22

\+ sign -245.461+/-626.747 χ^2/NDF: 62.2/52

All: 17.505+/-412.763 χ^2/NDF: 116.8/108

\- sign 218.921+/-548.515 χ^2/NDF: 54.3/55

asym_atl_avg_eigen_dit_correction_rms vs Slug



Right In: 2536.789+/-0.526 χ^2/NDF: 9177017.3/27

Left Out: 4966.886+/-0.823 χ^2/NDF:1917943.9/24

Right Out: 2012.975+/-0.433 χ^2/NDF: 14458697.6/32

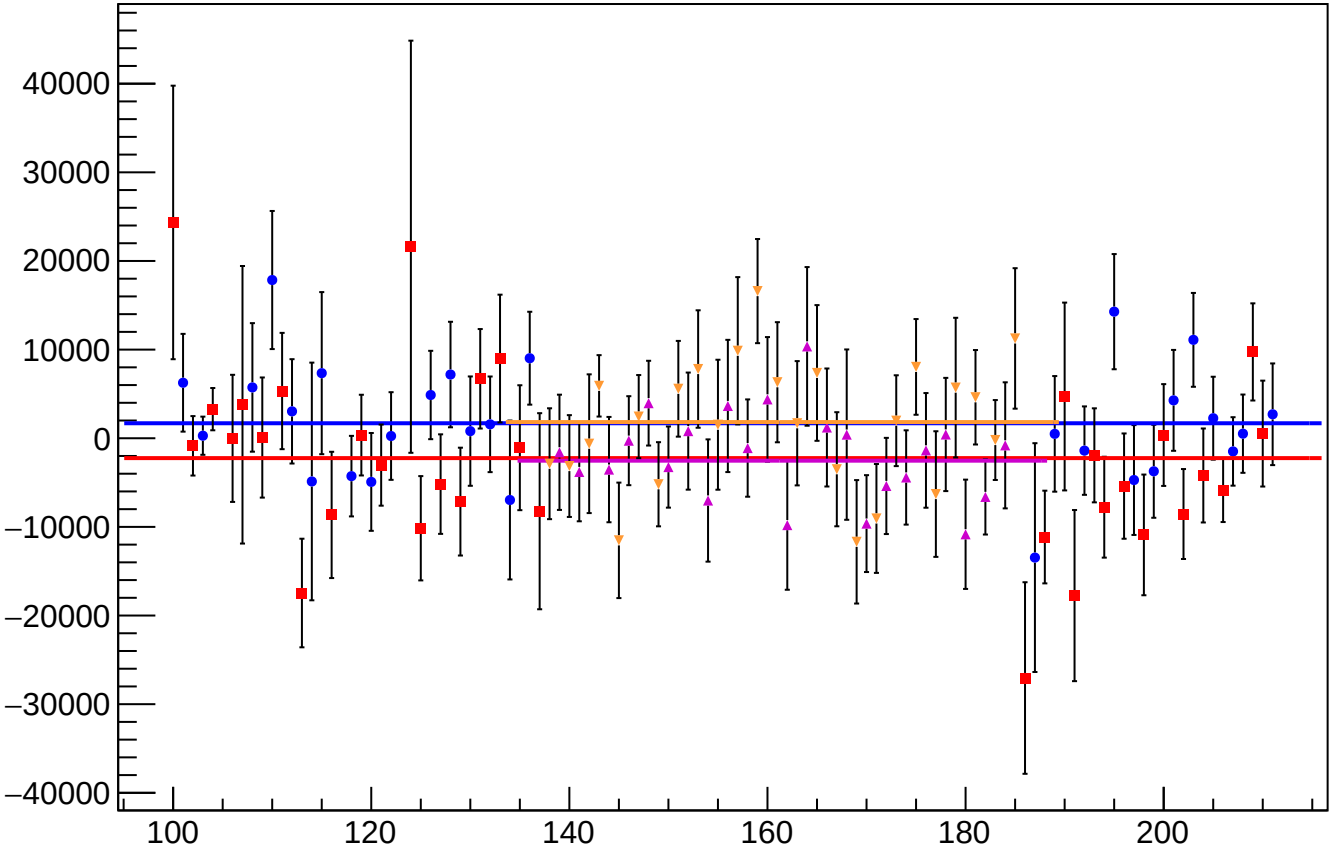
Left In: 5134.453+/-0.869 χ^2/NDF:1487077.8/22

+ sign 3240.767+/-0.443 χ^2/NDF: 17281892.8/52

All: 2897.769+/-0.292 χ^2/NDF: 44621016.9/1

- sign 2635.053+/-0.388 χ^2/NDF: 26281321.5/55

asym_atl_avg_mean vs Slug



Right In: 1692.046+/-977.051 χ^2/NDF: 25.7/27

Left Out: 1826.201+/-1172.478 χ^2/NDF:31.1/24

Right Out: -2240.093+/-965.013 χ^2/NDF: 48.5/32

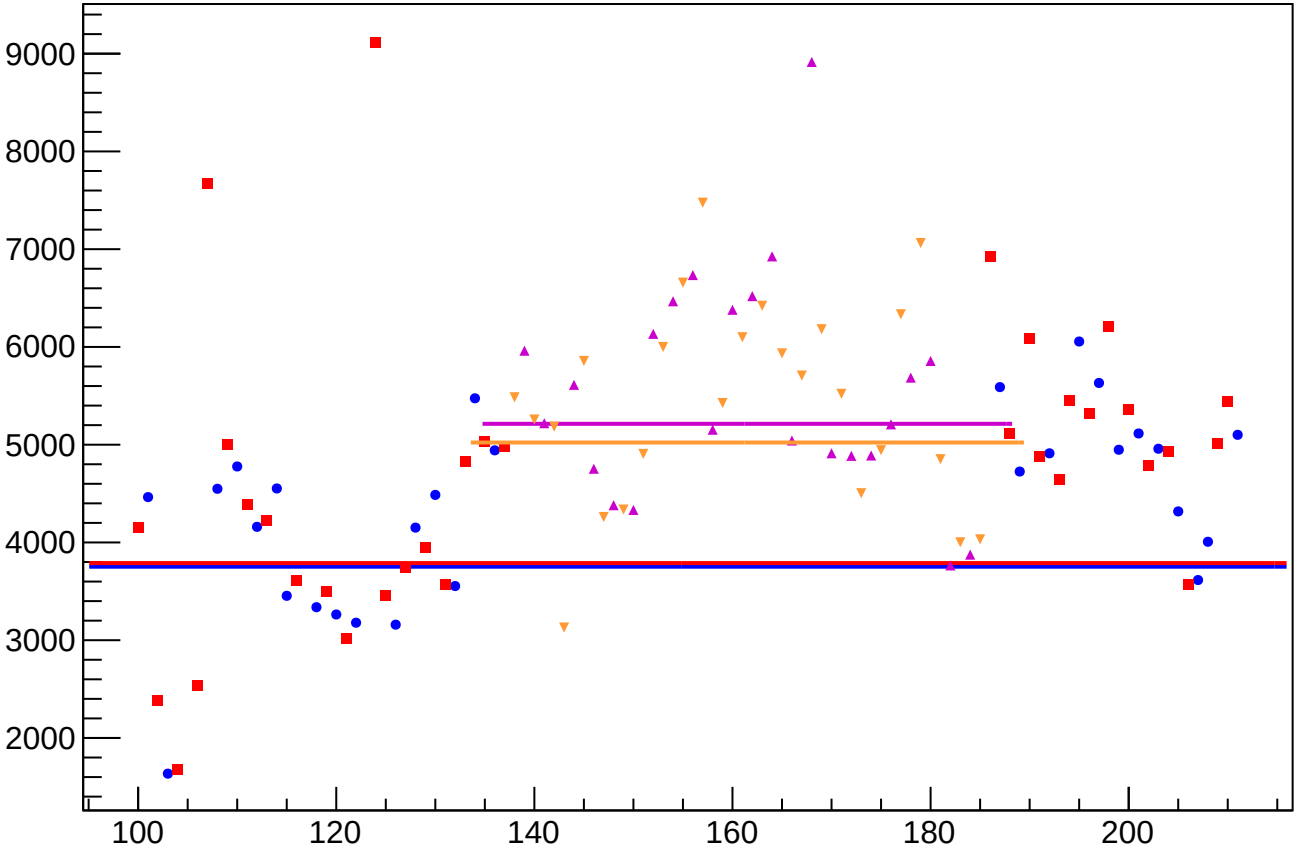
Left In: -2529.501+/-1242.040 χ^2/NDF:13.2/22

+ sign 1747.027+/-750.596 χ^2/NDF: 56.8/52

All: -270.022+/-534.751 χ^2/NDF: 133.2/108

- sign -2349.034+/-762.038 χ^2/NDF: 61.8/55

asym_atl_avg_rms vs Slug



Right In: 3752.085+/-0.691 χ^2/NDF: 3449557.3/27

Left Out: 5022.407+/-0.829 χ^2/NDF:1676611.8/24

Right Out: 3789.039+/-0.676 χ^2/NDF: 4182997.3/32

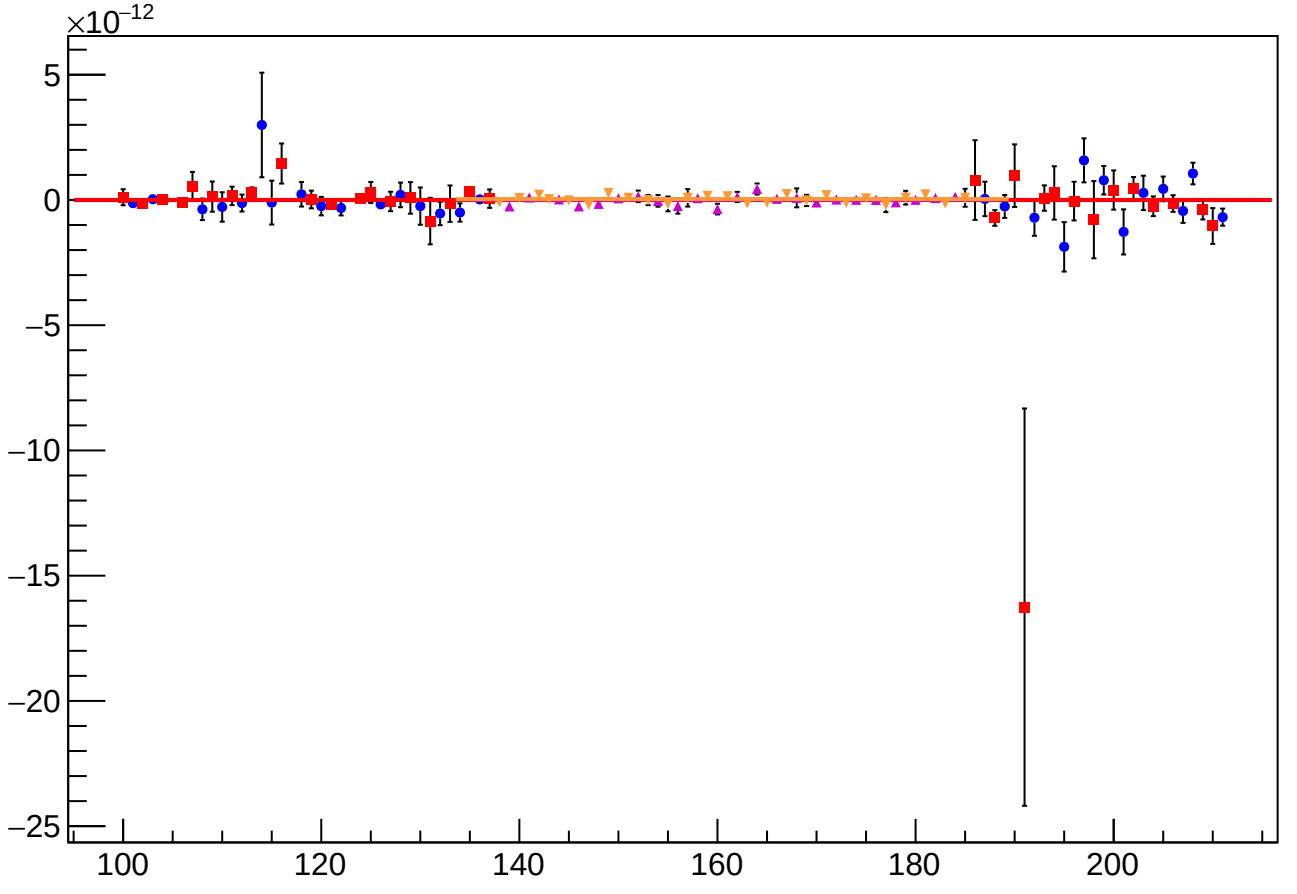
Left In: 5213.625+/-0.878 χ^2/NDF:1223192.9/22

+ sign 4272.699+/-0.531 χ^2/NDF: 6511733.7/52

All: 4295.600+/-0.377 χ^2/NDF: 13574121.9/1

- sign 4318.923+/-0.536 χ^2/NDF: 7058630.2/55

asym_atl_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 34.5/27

Left Out: 0.000+/-0.000 χ^2/NDF:25.0/24

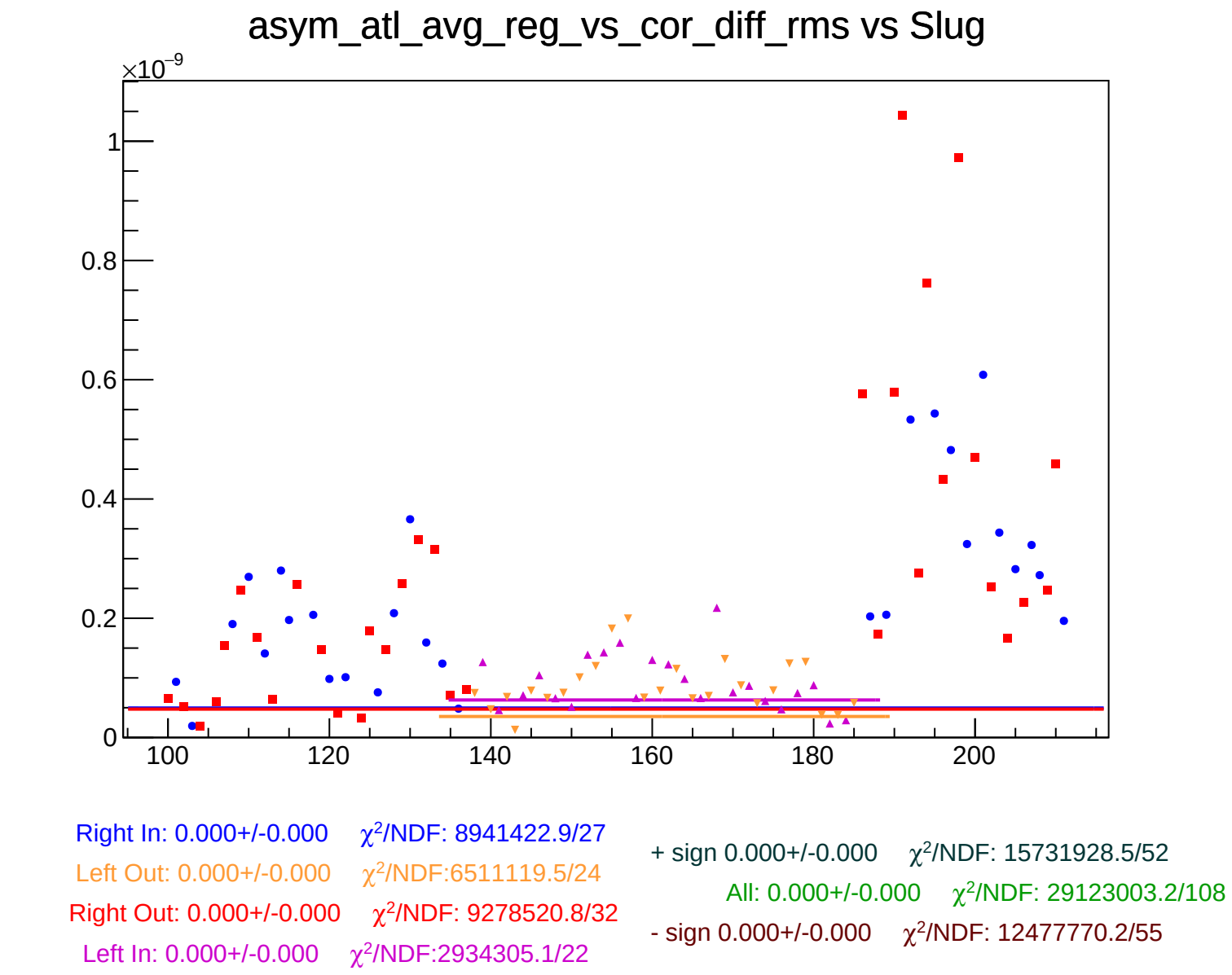
Right Out: 0.000+/-0.000 χ^2/NDF: 30.6/32

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

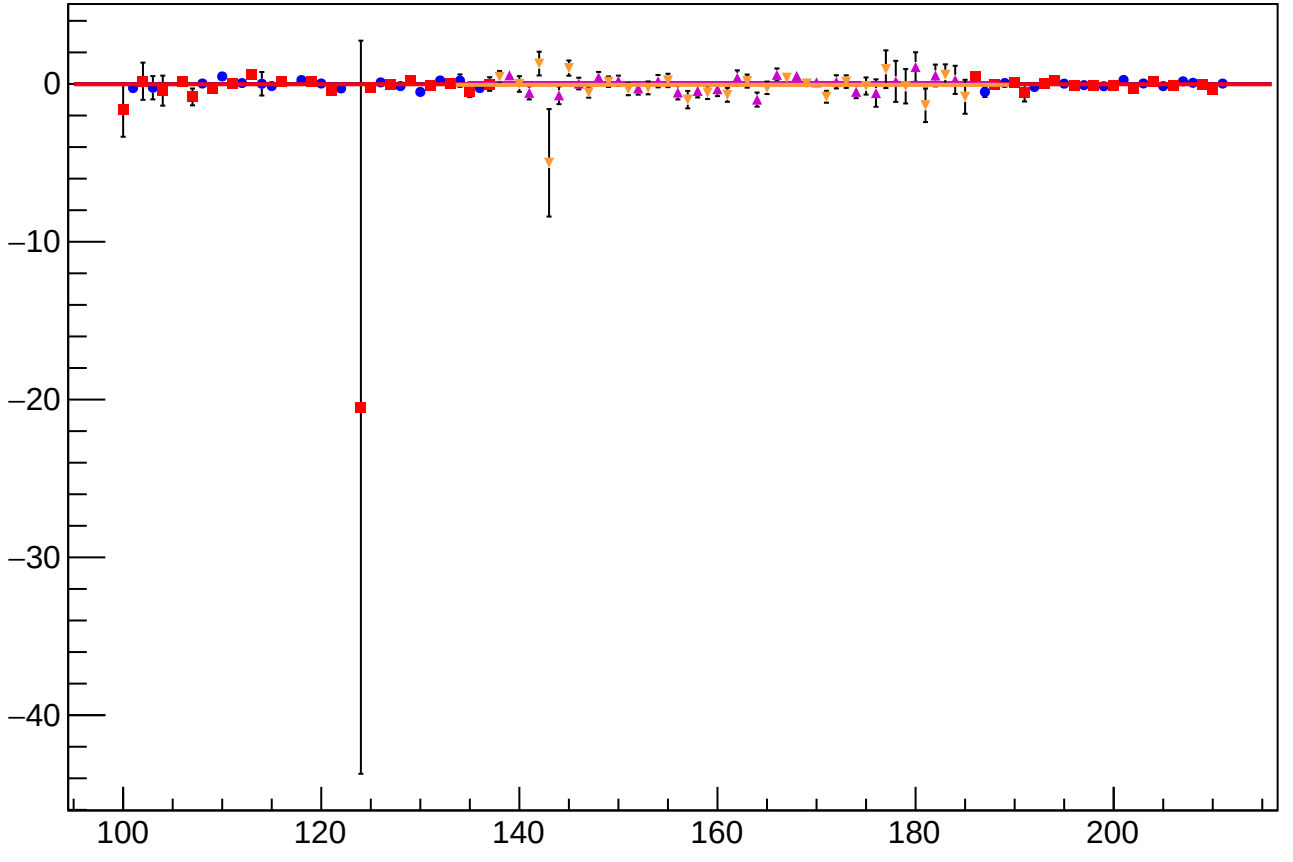
+ sign 0.000+/-0.000 χ^2/NDF: 60.4/52

All: 0.000+/-0.000 χ^2/NDF: 110.5/108

- sign 0.000+/-0.000 χ^2/NDF: 49.9/55


asym_atl_avg_reg_vs_cor_diff_rms vs Slug
×10^−9
1
0.8
0.6
0.4
0.2
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 8941422.9/27
Left Out: 0.000+/-0.000 χ²/NDF:6511119.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 9278520.8/32
Left In: 0.000+/-0.000 χ²/NDF:2934305.1/22
+ sign 0.000+/-0.000 χ²/NDF: 15731928.5/52
All: 0.000+/-0.000 χ²/NDF: 29123003.2/108
- sign 0.000+/-0.000 χ²/NDF: 12477770.2/55

asym_atl_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.003+/-0.037 χ^2/NDF: 26.8/27

Left Out: -0.054+/-0.085 χ^2/NDF:33.1/24

Right Out: -0.020+/-0.035 χ^2/NDF: 35.5/32

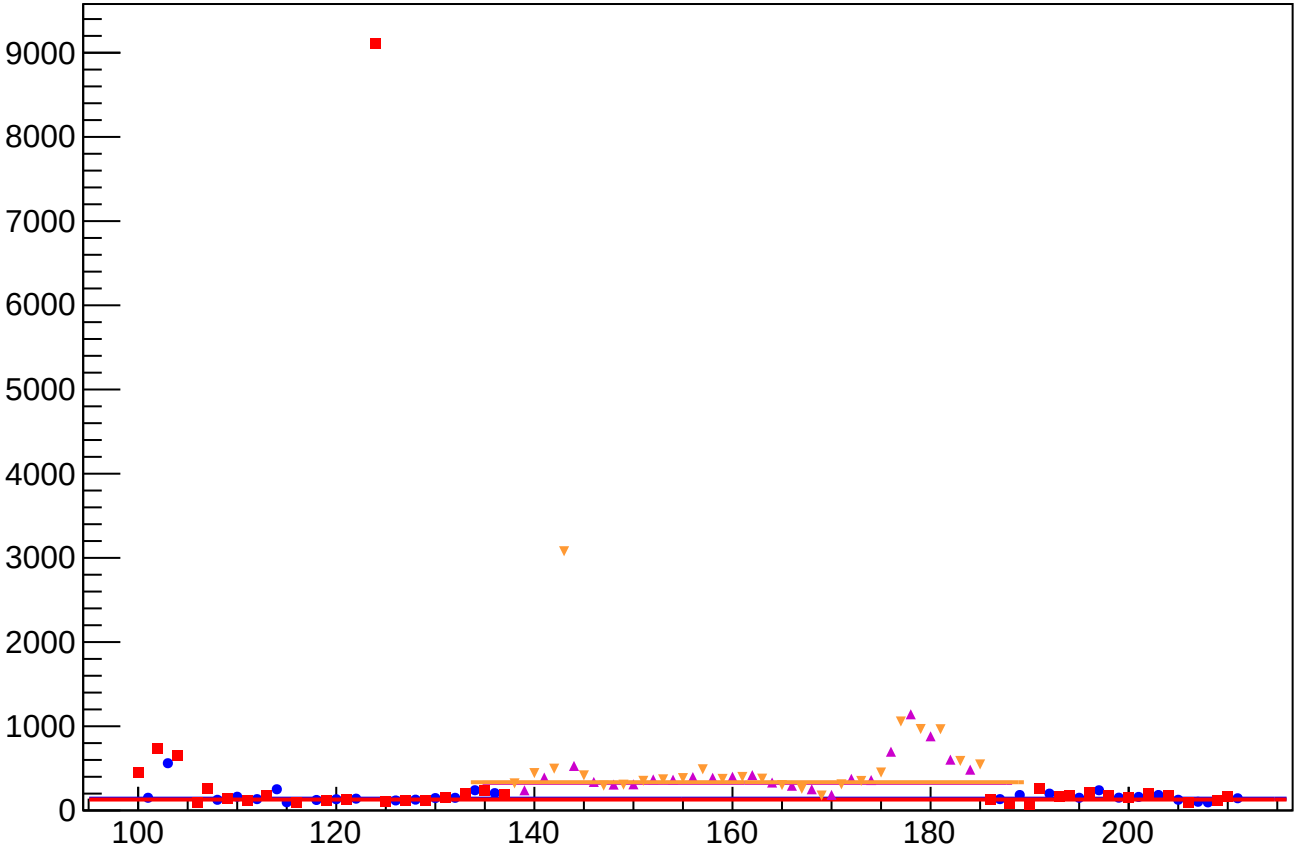
Left In: 0.063+/-0.083 χ^2/NDF:28.0/22

+ sign -0.011+/-0.034 χ^2/NDF: 60.3/52

All: -0.009+/-0.023 χ^2/NDF: 124.6/108

- sign -0.008+/-0.032 χ^2/NDF: 64.4/55

asym_atl_avg_dit_vs_cor_diff_rms vs Slug



Right In: 140.184+/-0.026 χ^2/NDF: 2277081.9/27

Left Out: 335.166+/-0.060 χ^2/NDF:5852083.8/24

Right Out: 129.709+/-0.024 χ^2/NDF: 4273317.5/32

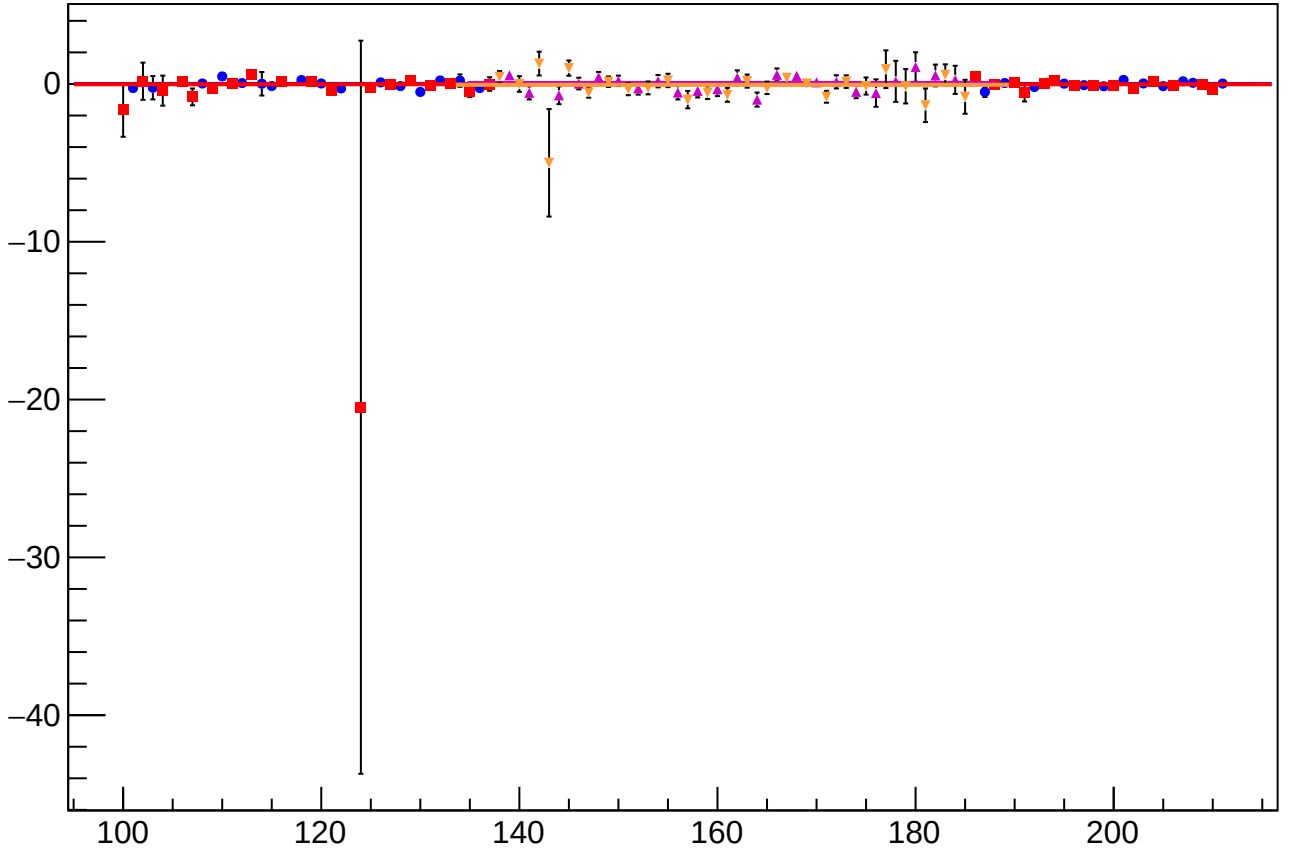
Left In: 327.572+/-0.059 χ^2/NDF:4153081.9/22

+ sign 171.919+/-0.024 χ^2/NDF: 17021735.4/52

All: 165.129+/-0.016 χ^2/NDF: 35330218.3/10

- sign 159.186+/-0.023 χ^2/NDF: 18160092.3/55

asym_atl_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.003+/-0.037 χ^2/NDF: 26.8/27

Left Out: -0.054+/-0.085 χ^2/NDF:33.1/24

Right Out: -0.020+/-0.035 χ^2/NDF: 35.5/32

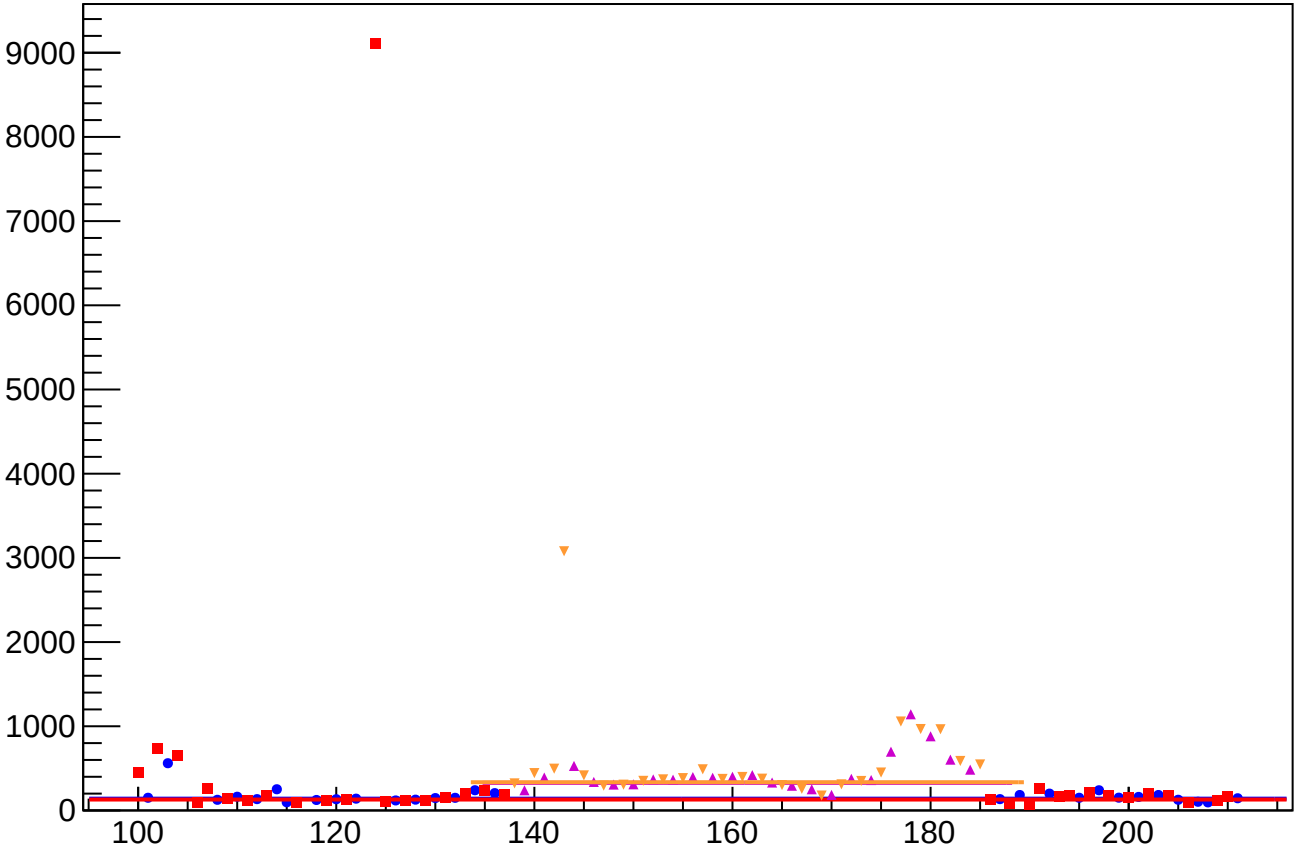
Left In: 0.063+/-0.083 χ^2/NDF:28.0/22

+ sign -0.011+/-0.034 χ^2/NDF: 60.3/52

All: -0.009+/-0.023 χ^2/NDF: 124.6/108

- sign -0.008+/-0.032 χ^2/NDF: 64.4/55

asym_atl_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 140.184+/-0.026 χ^2/NDF: 2277081.9/27

Left Out: 335.166+/-0.060 χ^2/NDF:5852083.8/24

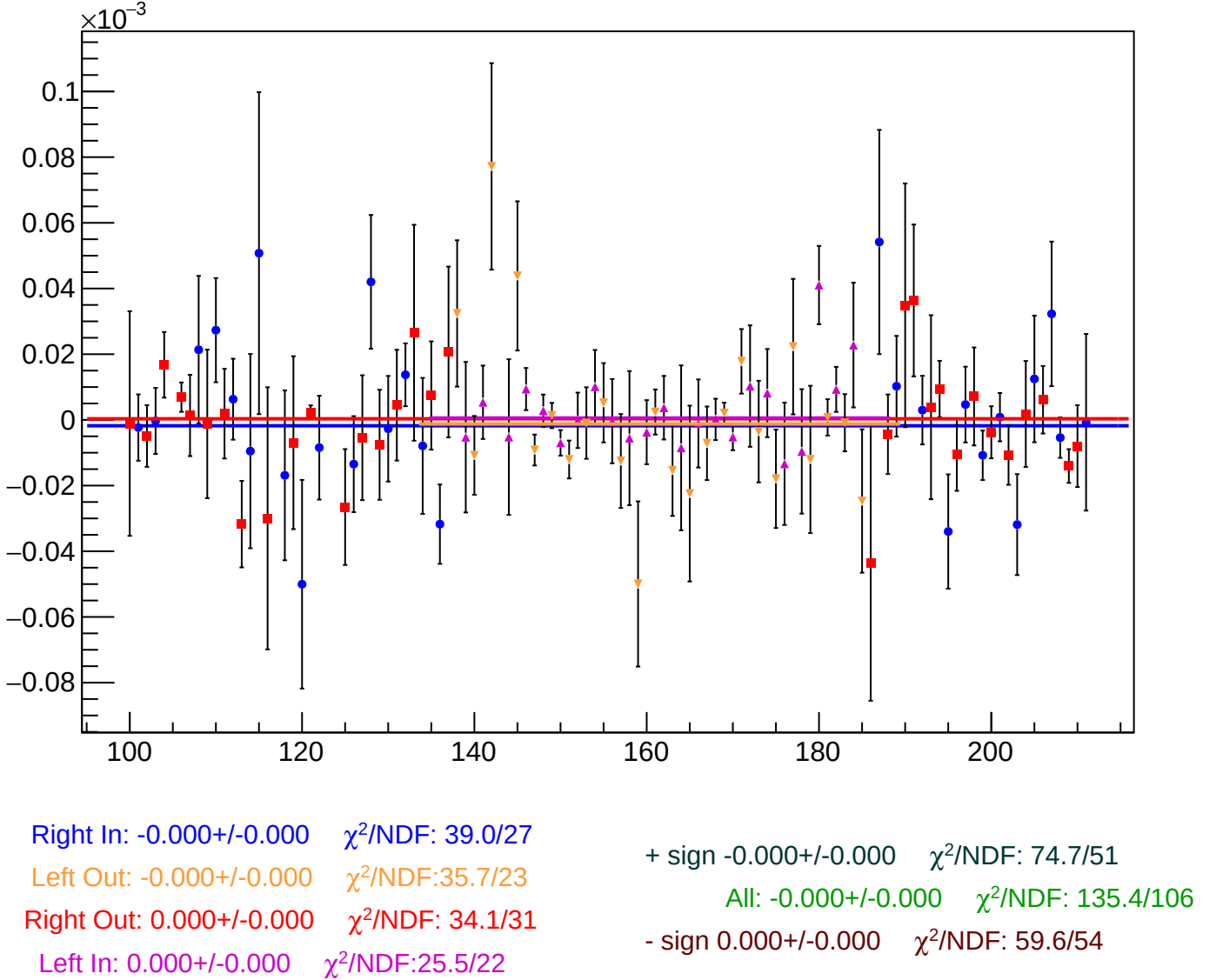
Right Out: 129.709+/-0.024 χ^2/NDF: 4273317.5/32

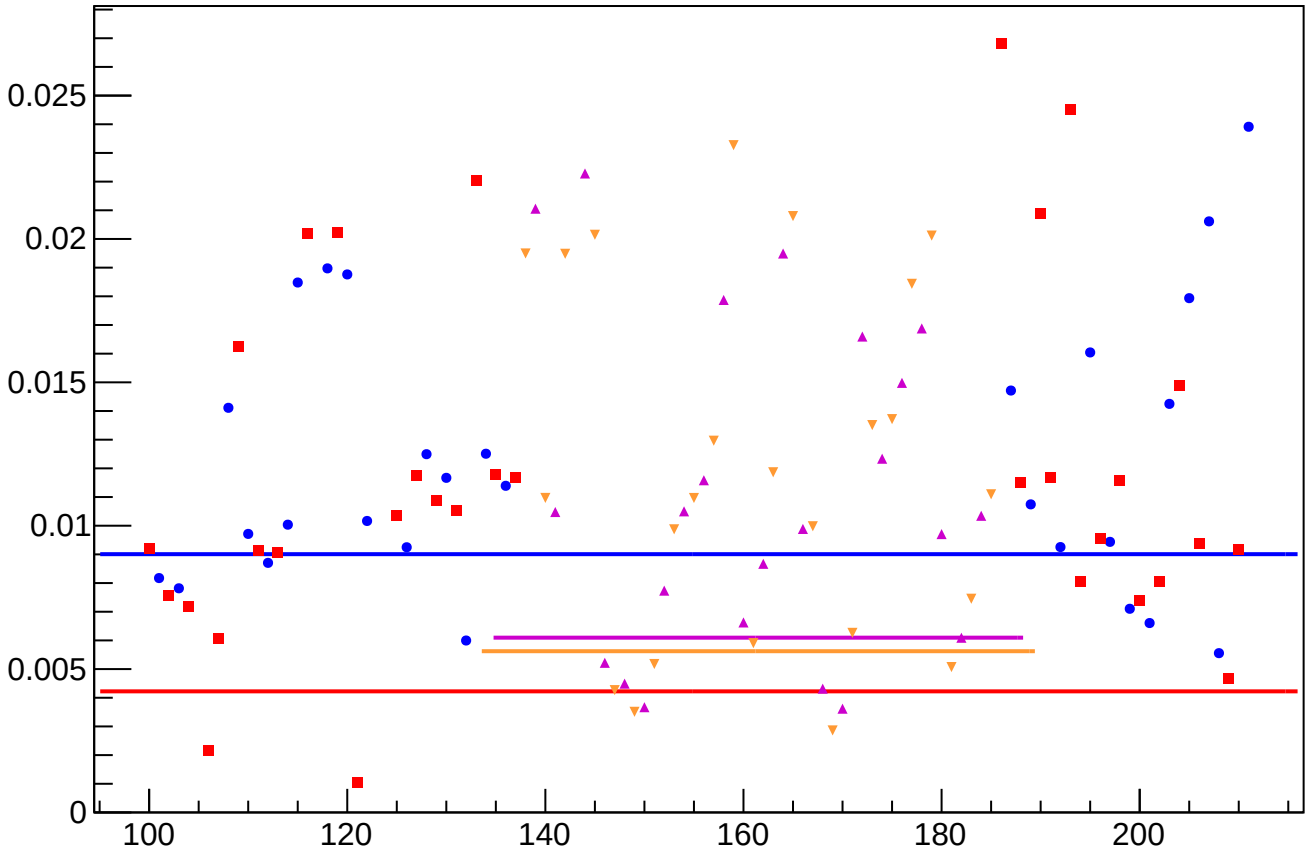
Left In: 327.572+/-0.059 χ^2/NDF:4153081.9/22

+ sign 171.919+/-0.024 χ^2/NDF: 17021735.4/52

All: 165.129+/-0.016 χ^2/NDF: 35330218.3/10

- sign 159.186+/-0.023 χ^2/NDF: 18160092.3/55


asym_atl_avg_eigen_dit_vs_dit_diff_mean vs Slug
×10⁻³
0.1
0.08
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 39.0/27
Left Out: -0.000+/-0.000 χ²/NDF:35.7/23
Right Out: 0.000+/-0.000 χ²/NDF: 34.1/31
Left In: 0.000+/-0.000 χ²/NDF:25.5/22
+ sign -0.000+/-0.000 χ²/NDF: 74.7/51
All: -0.000+/-0.000 χ²/NDF: 135.4/106
- sign 0.000+/-0.000 χ²/NDF: 59.6/54



Right In: 0.009+/-0.000 χ^2/NDF: 4382743.9/27

Left Out: 0.006+/-0.000 χ^2/NDF:11183743.0/23

Right Out: 0.004+/-0.000 χ^2/NDF: 16637601.2/31

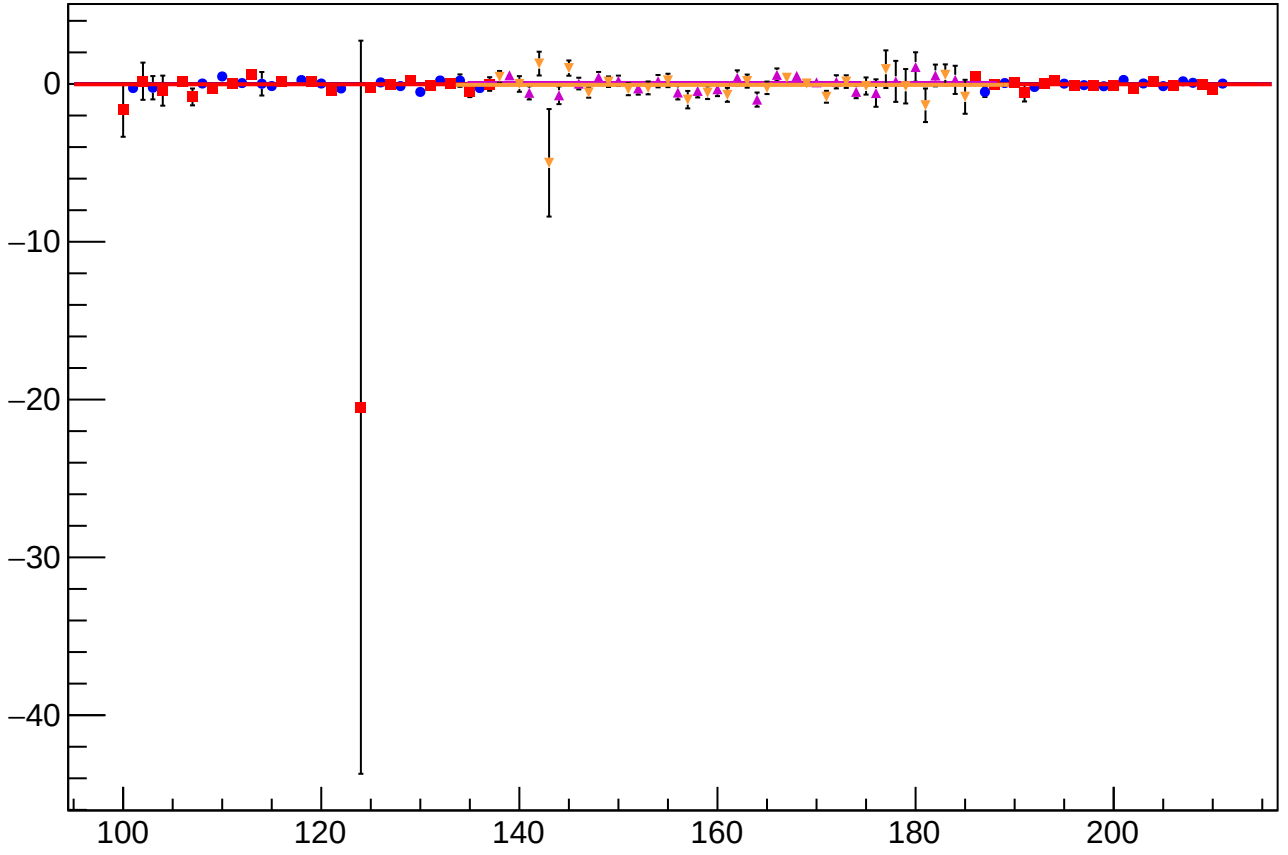
Left In: 0.006+/-0.000 χ^2/NDF:8798992.3/22

+ sign 0.007+/-0.000 χ^2/NDF: 18252026.4/51

All: 0.006+/-0.000 χ^2/NDF: 46825717.2/106

- sign 0.005+/-0.000 χ^2/NDF: 26796478.4/54

asym_atl_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.003+/-0.037 χ^2/NDF: 26.8/27

Left Out: -0.054+/-0.085 χ^2/NDF:33.1/24

Right Out: -0.020+/-0.035 χ^2/NDF: 35.5/32

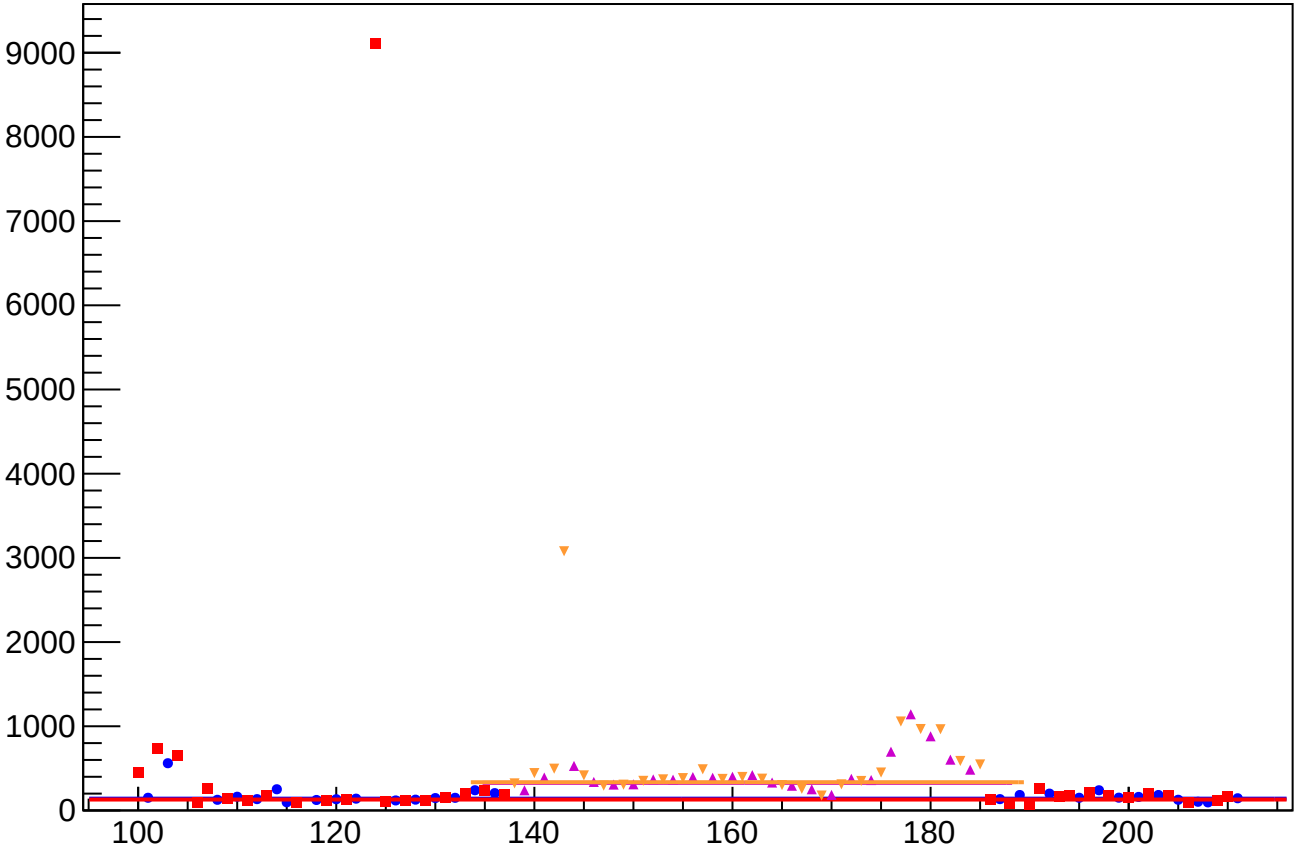
Left In: 0.063+/-0.083 χ^2/NDF:28.0/22

+ sign -0.011+/-0.034 χ^2/NDF: 60.3/52

All: -0.009+/-0.023 χ^2/NDF: 124.6/108

- sign -0.008+/-0.032 χ^2/NDF: 64.4/55

asym_atl_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 140.181+/-0.026 χ^2/NDF: 2277320.0/27

Left Out: 335.168+/-0.060 χ^2/NDF:5852151.8/24

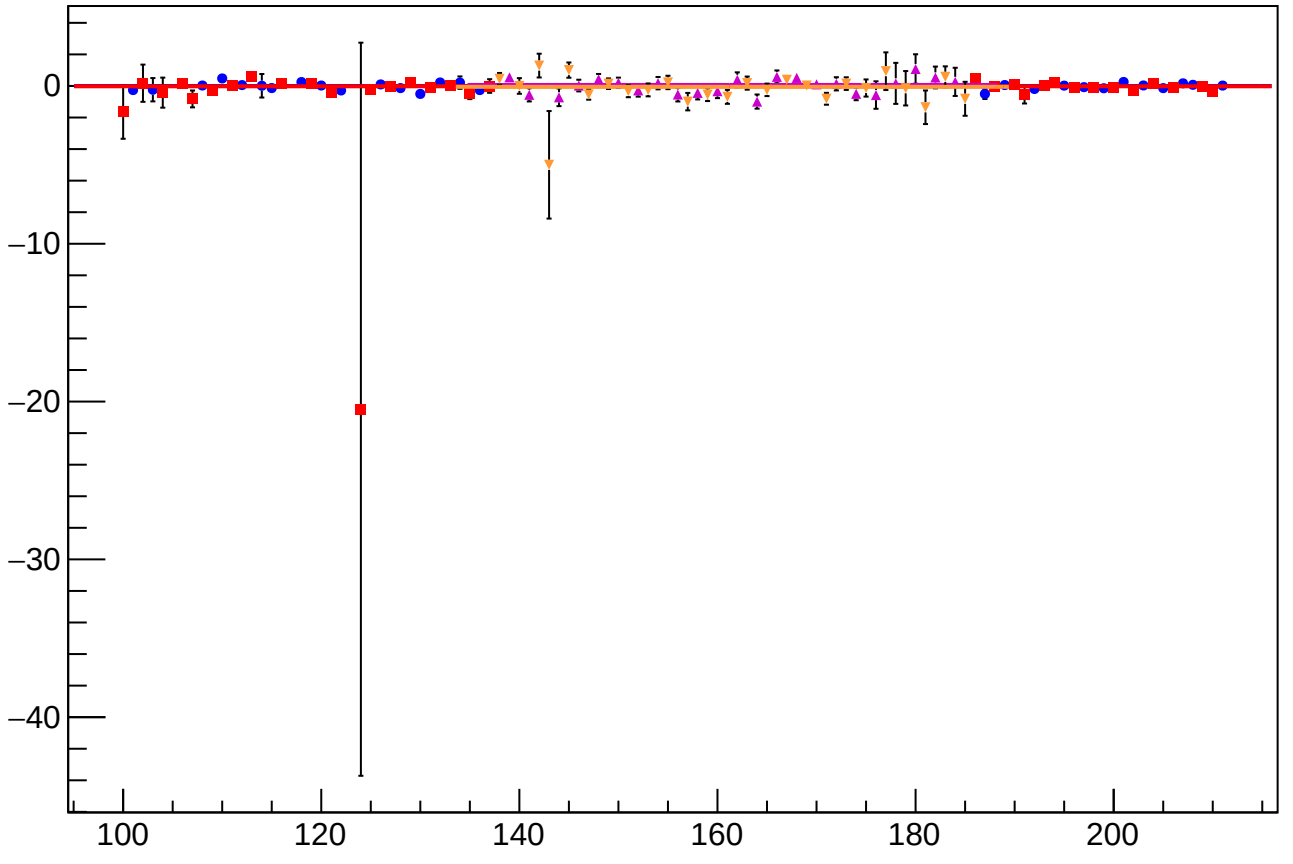
Right Out: 129.707+/-0.024 χ^2/NDF: 4273437.2/32

Left In: 327.575+/-0.059 χ^2/NDF:4153087.6/22

+ sign 171.916+/-0.024 χ^2/NDF: 17022431.3/52

All: 165.126+/-0.016 χ^2/NDF: 35331406.1/10

- sign 159.184+/-0.023 χ^2/NDF: 18160598.6/55



Right In: -0.003+/-0.037 χ^2/NDF: 26.8/27

Left Out: -0.054+/-0.085 χ^2/NDF:33.1/24

Right Out: -0.020+/-0.035 χ^2/NDF: 35.5/32

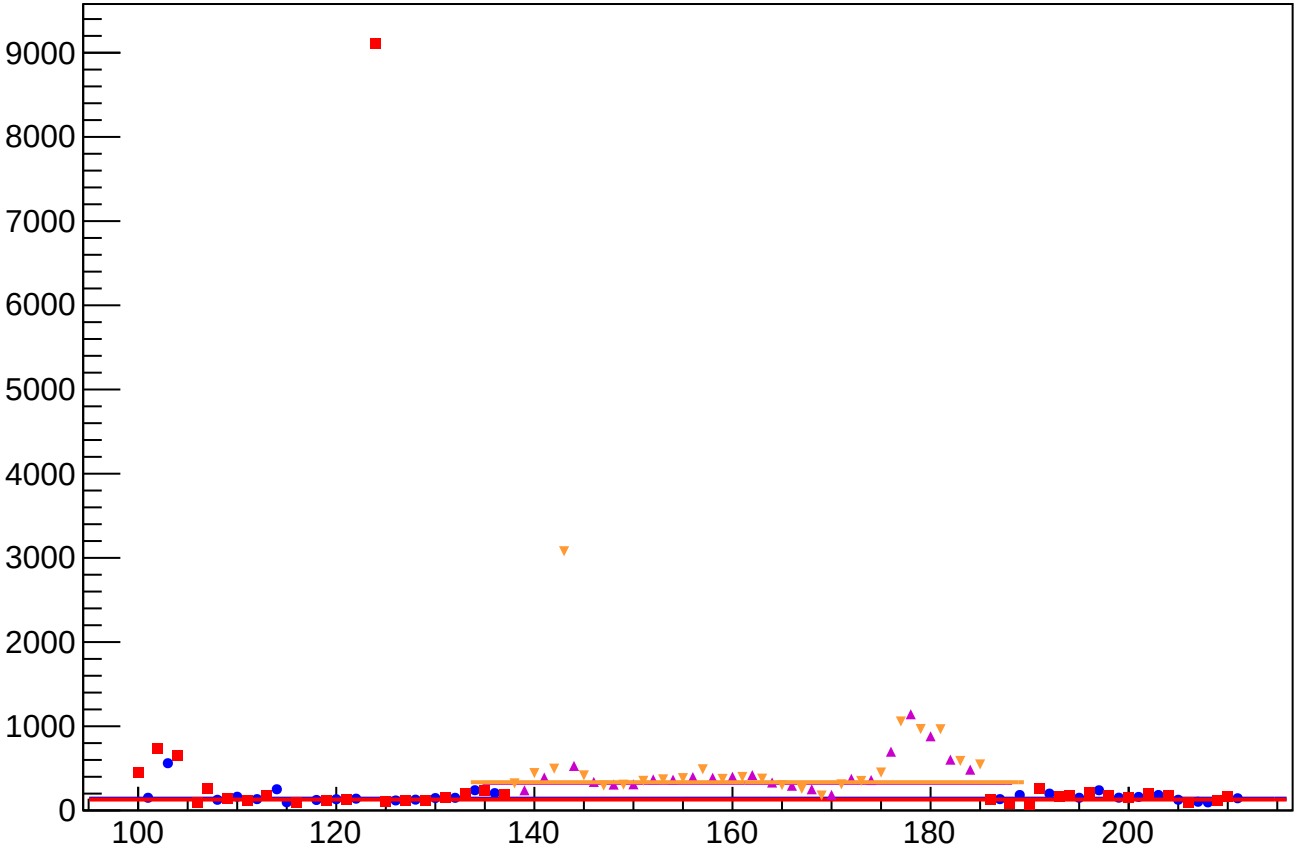
Left In: 0.063+/-0.083 χ^2/NDF:28.0/22

+ sign -0.011+/-0.034 χ^2/NDF: 60.3/52

All: -0.009+/-0.023 χ^2/NDF: 124.6/108

- sign -0.008+/-0.032 χ^2/NDF: 64.4/55

asym_atl_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 140.181+/-0.026 χ^2/NDF: 2277320.0/27

Left Out: 335.168+/-0.060 χ^2/NDF:5852151.8/24

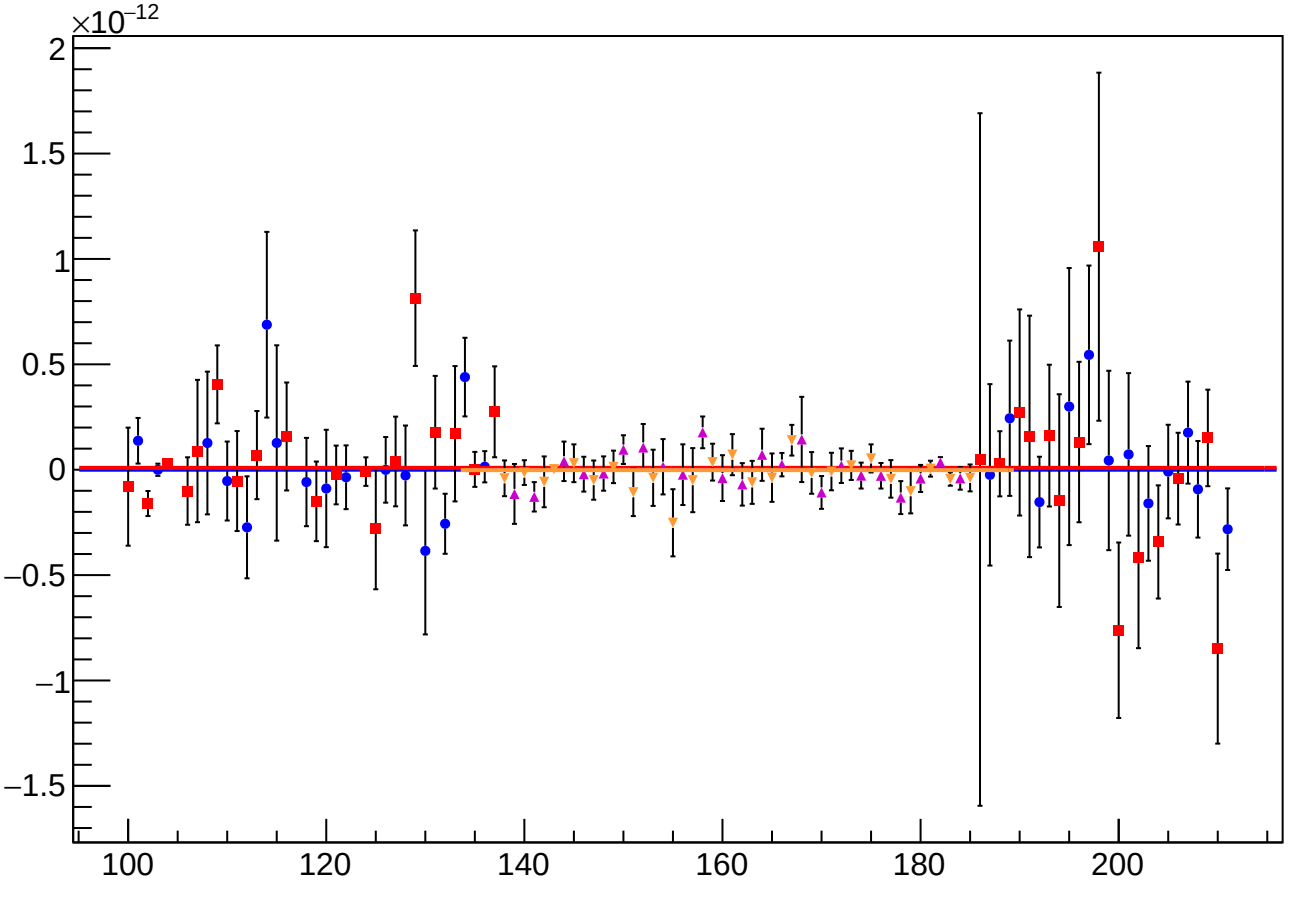
Right Out: 129.707+/-0.024 χ^2/NDF: 4273437.2/32

Left In: 327.575+/-0.059 χ^2/NDF:4153087.6/22

+ sign 171.916+/-0.024 χ^2/NDF: 17022431.3/52

All: 165.126+/-0.016 χ^2/NDF: 35331406.1/10

- sign 159.184+/-0.023 χ^2/NDF: 18160598.6/55



Right In: 0.000+/-0.000 χ^2/NDF: 21.7/27

Left Out: -0.000+/-0.000 χ^2/NDF:13.6/24

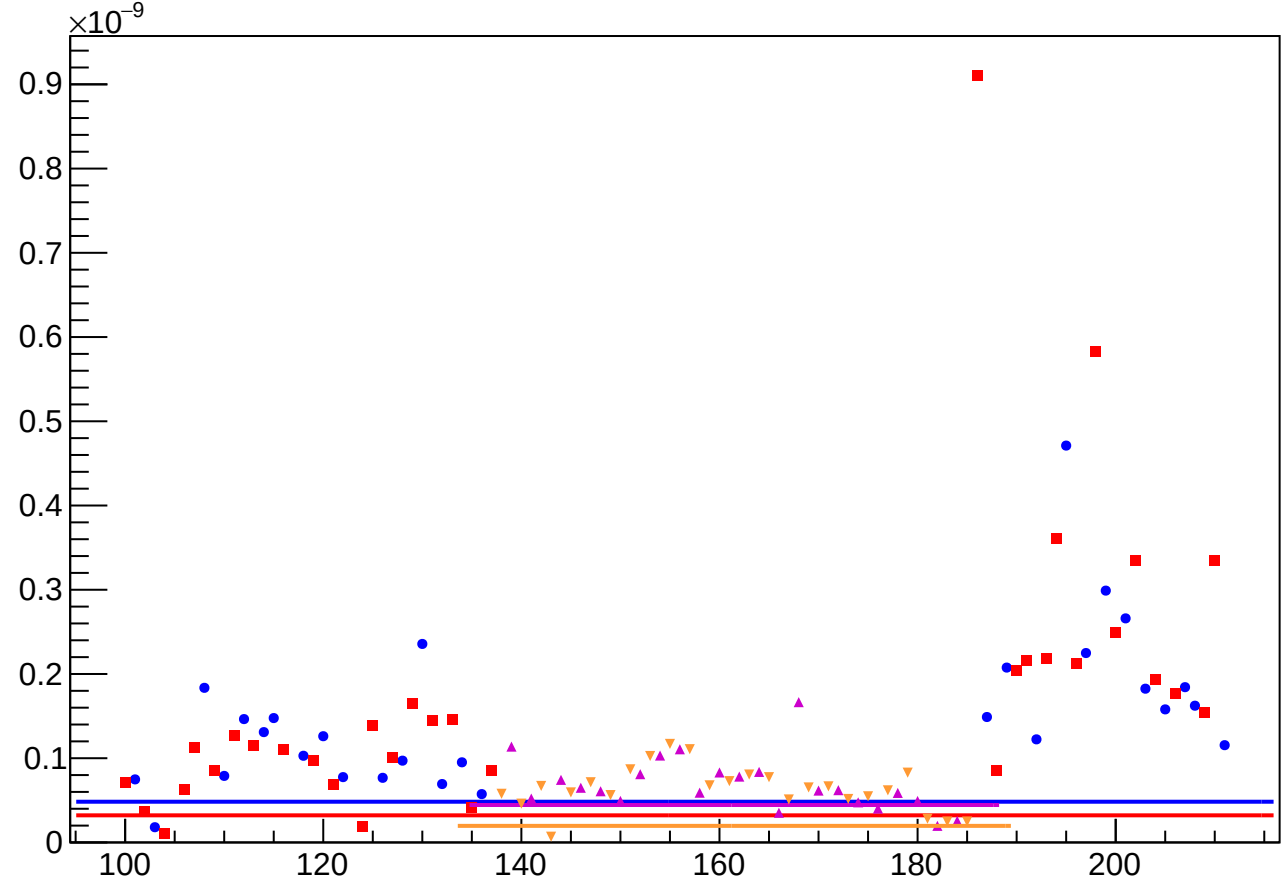
Right Out: 0.000+/-0.000 χ^2/NDF: 37.7/32

Left In: 0.000+/-0.000 χ^2/NDF:22.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 35.3/52

All: 0.000+/-0.000 χ^2/NDF: 95.8/108

- sign 0.000+/-0.000 χ^2/NDF: 60.3/55



Right In: 0.000+/-0.000 χ^2/NDF: 9898645.5/27

Left Out: 0.000+/-0.000 χ^2/NDF:14888228.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 13673481.2/32

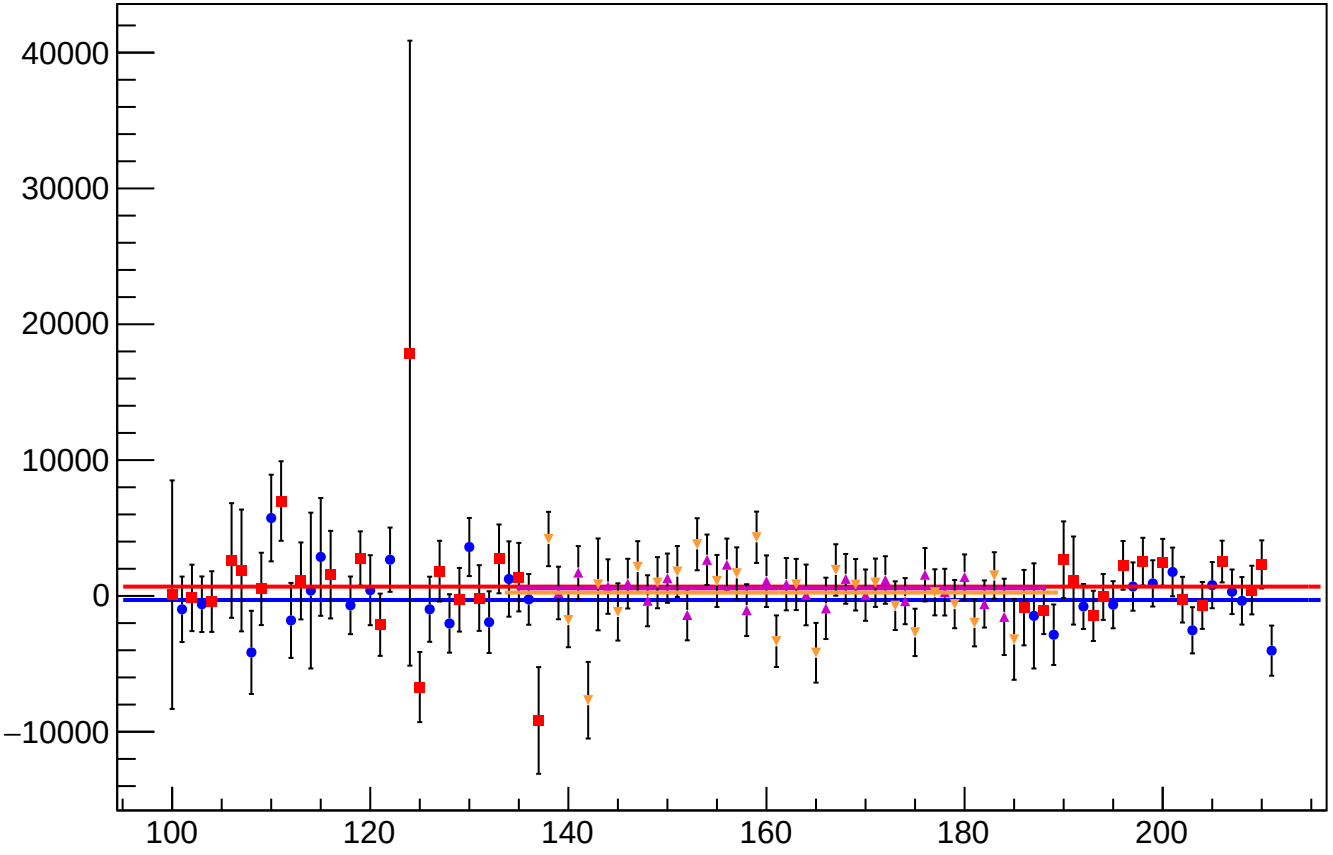
Left In: 0.000+/-0.000 χ^2/NDF:5919814.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 27544043.2/52

All: 0.000+/-0.000 χ^2/NDF: 50746164.4/108

- sign 0.000+/-0.000 χ^2/NDF: 20162954.9/55

reg_asym_atl_dd_mean vs Slug



Right In: -299.237+/-400.803 χ^2/NDF: 22.7/27

Left Out: 248.233+/-388.827 χ^2/NDF:39.6/24

Right Out: 685.489+/-391.702 χ^2/NDF: 33.8/32

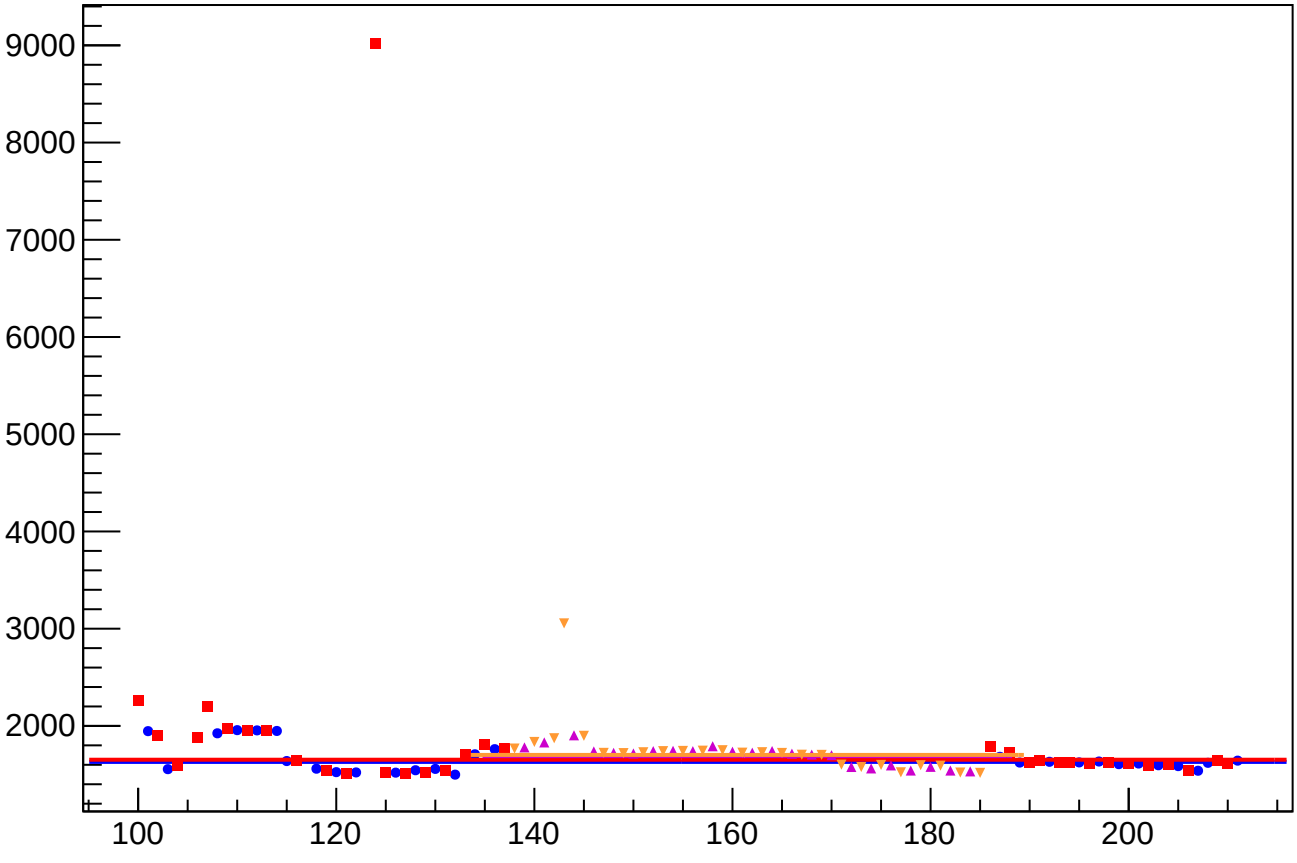
Left In: 559.995+/-395.112 χ^2/NDF:7.5/22

+ sign -17.201+/-279.080 χ^2/NDF: 63.3/52

All: 304.085+/-197.018 χ^2/NDF: 107.3/108

- sign 623.286+/-278.173 χ^2/NDF: 41.4/55

reg_asym_atl_dd_rms vs Slug



Right In: 1629.801+/-0.283 χ^2/NDF: 157230.1/27

Left Out: 1701.583+/-0.275 χ^2/NDF:452379.1/24

Right Out: 1652.156+/-0.276 χ^2/NDF: 422648.8/32

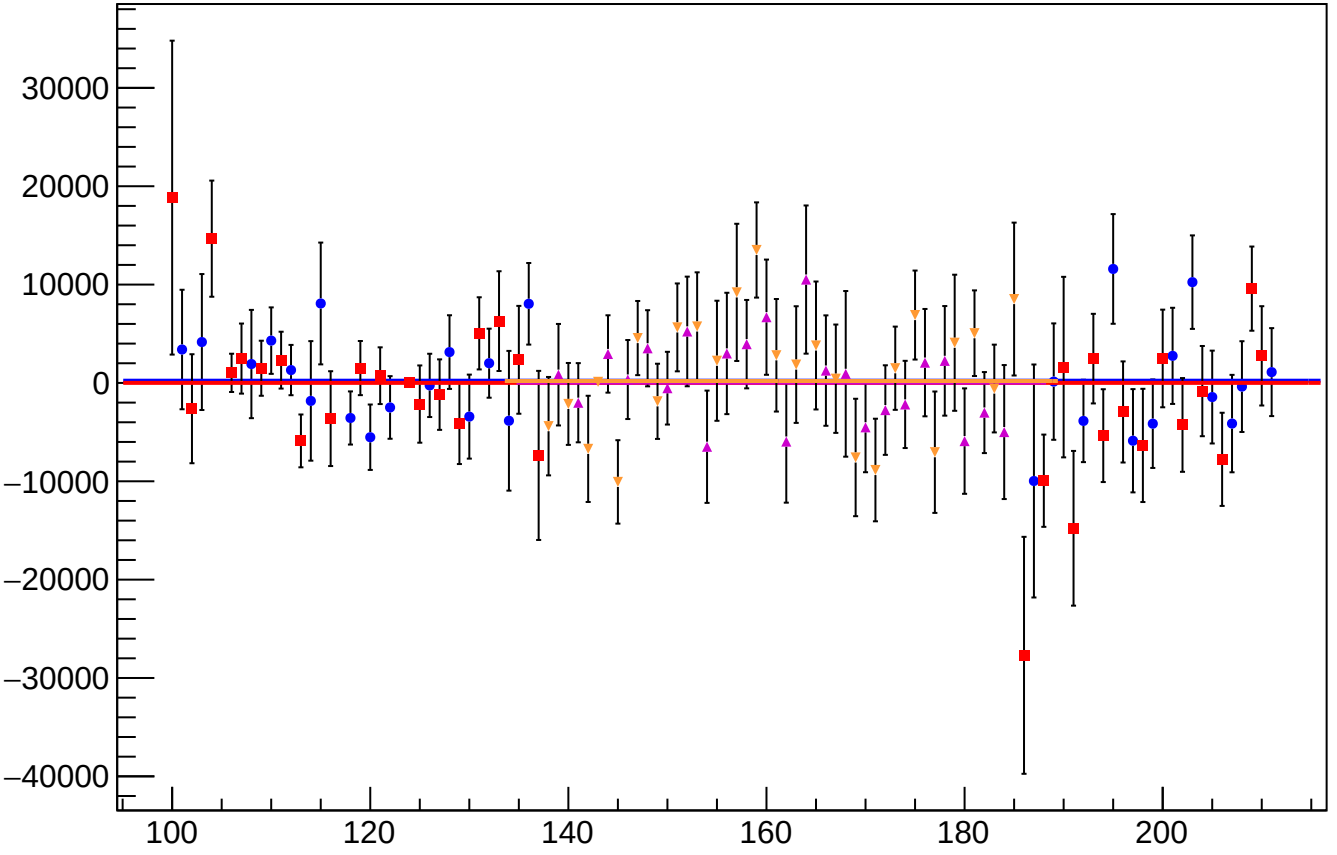
Left In: 1689.259+/-0.279 χ^2/NDF:122317.9/22

+ sign 1666.780+/-0.197 χ^2/NDF: 642656.4/52

All: 1668.655+/-0.139 χ^2/NDF: 1196712.8/10

- sign 1670.514+/-0.197 χ^2/NDF: 553876.7/55

asym_atl_dd_reg_correction_mean vs Slug



Right In: 226.502+/-800.151 χ^2/NDF: 29.0/27

Left Out: 193.503+/-343.131 χ^2/NDF:33.9/24

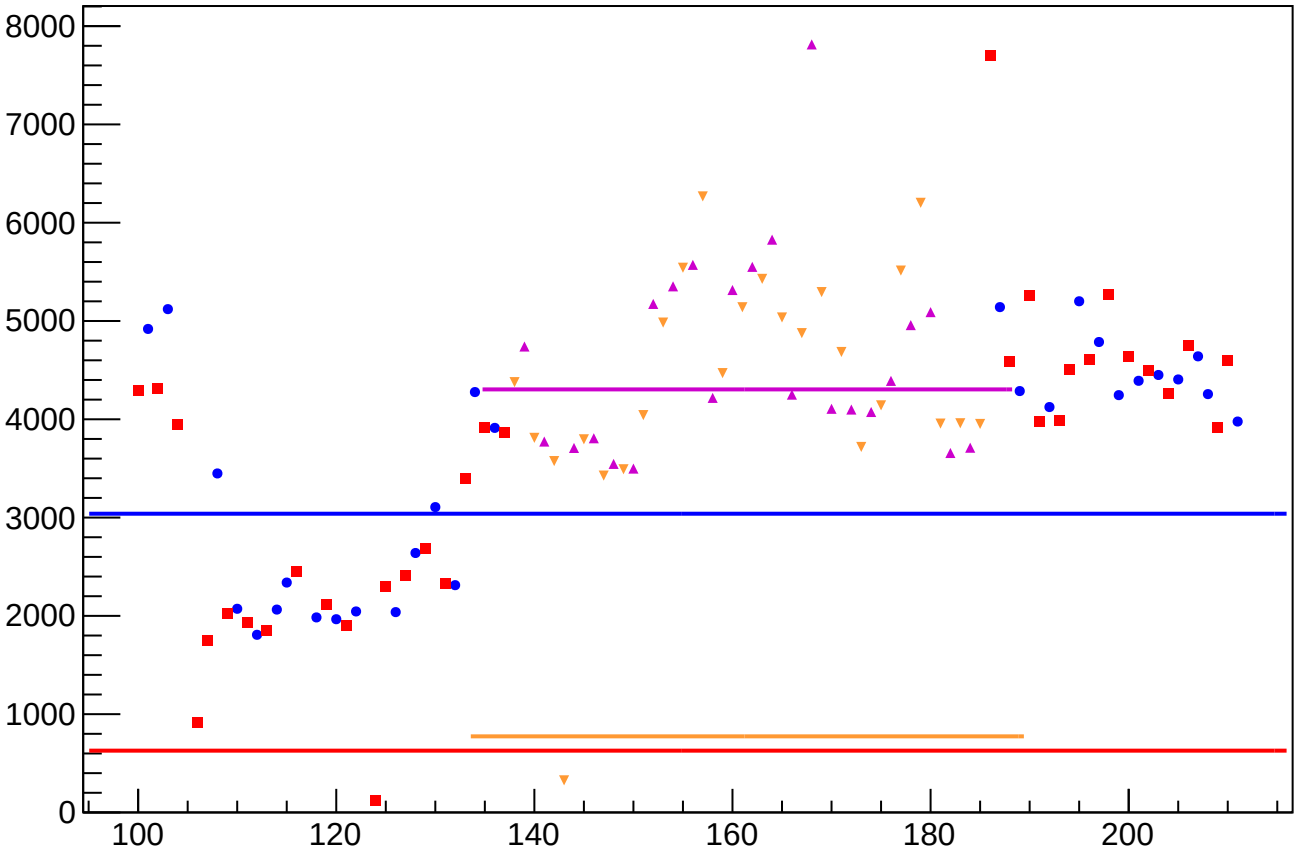
Right Out: 6.892+/-315.364 χ^2/NDF: 46.6/32

Left In: 28.728+/-1025.481 χ^2/NDF:13.3/22

+ sign 198.629+/-315.358 χ^2/NDF: 62.9/52

All: 99.420+/-217.901 χ^2/NDF: 123.0/108

- sign 8.779+/-301.432 χ^2/NDF: 59.8/55



Right In: 3039.288+/-0.566 χ^2/NDF: 4134436.4/27

Left Out: 774.232+/-0.243 χ^2/NDF:28085586.8/24

Right Out: 628.787+/-0.223 χ^2/NDF: 27631912.5/32

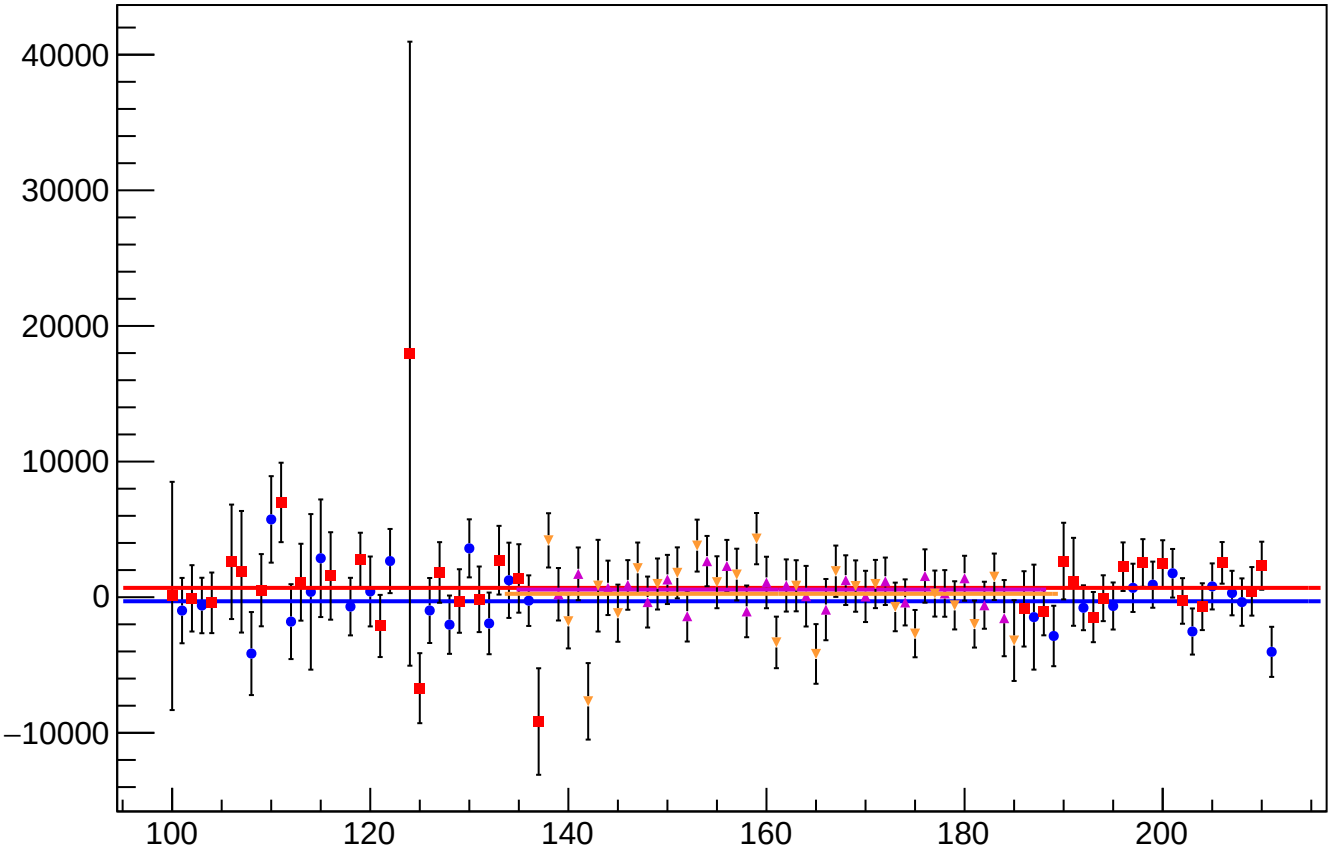
Left In: 4304.007+/-0.725 χ^2/NDF:1216578.1/22

+ sign 1126.069+/-0.223 χ^2/NDF: 45757242.7/52

All: 1032.146+/-0.154 χ^2/NDF: 98414324.8/1

- sign 946.334+/-0.213 χ^2/NDF: 52317588.7/55

cor_asym_atl_dd_mean vs Slug



Right In: -299.153+/-400.803 χ^2/NDF: 22.7/27

Left Out: 248.216+/-388.827 χ^2/NDF:39.6/24

Right Out: 687.123+/-391.703 χ^2/NDF: 33.8/32

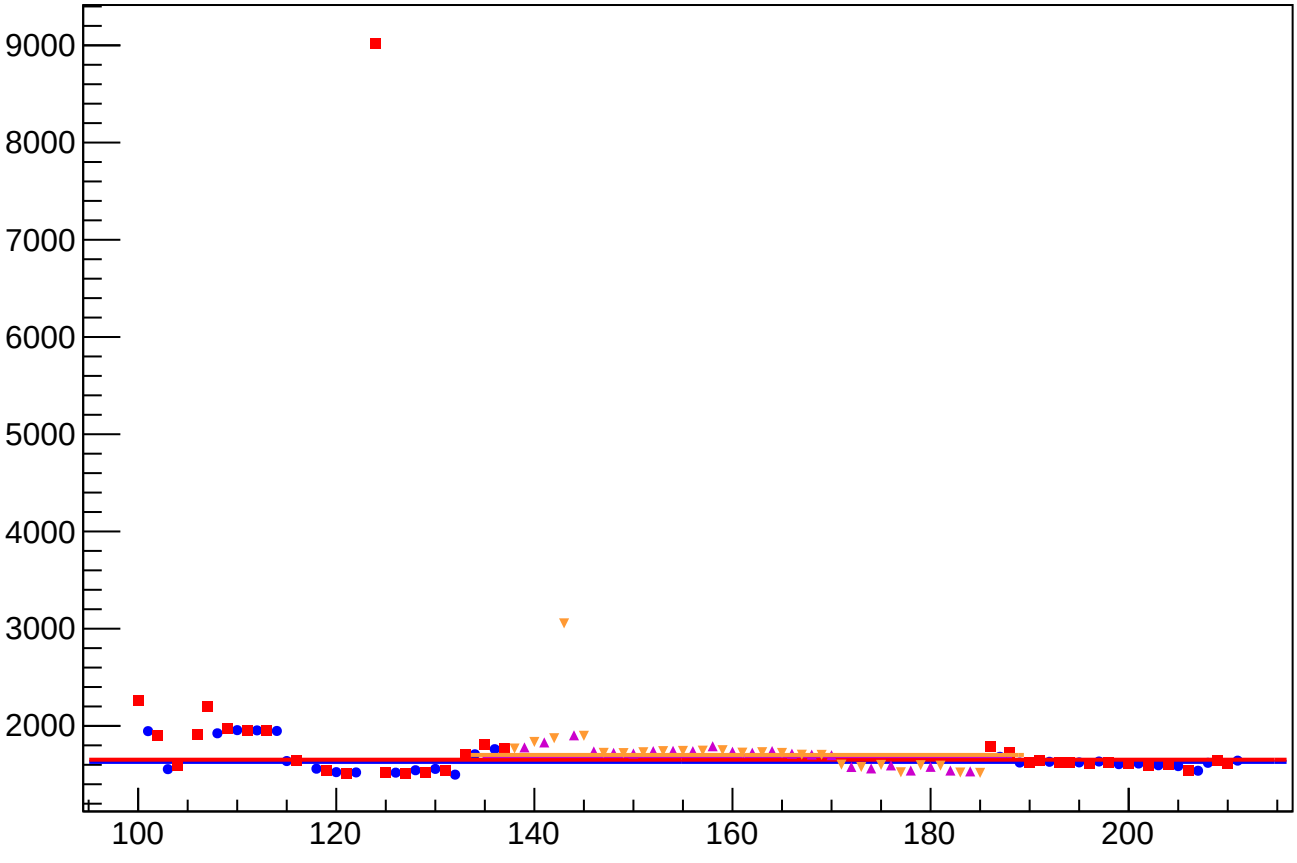
Left In: 559.960+/-395.112 χ^2/NDF:7.5/22

+ sign -17.169+/-279.080 χ^2/NDF: 63.3/52

All: 304.505+/-197.018 χ^2/NDF: 107.3/108

- sign 624.092+/-278.173 χ^2/NDF: 41.4/55

cor_asym_atl_dd_rms vs Slug



Right In: 1629.801+/-0.283 χ^2/NDF: 157230.1/27

Left Out: 1701.583+/-0.275 χ^2/NDF:452379.0/24

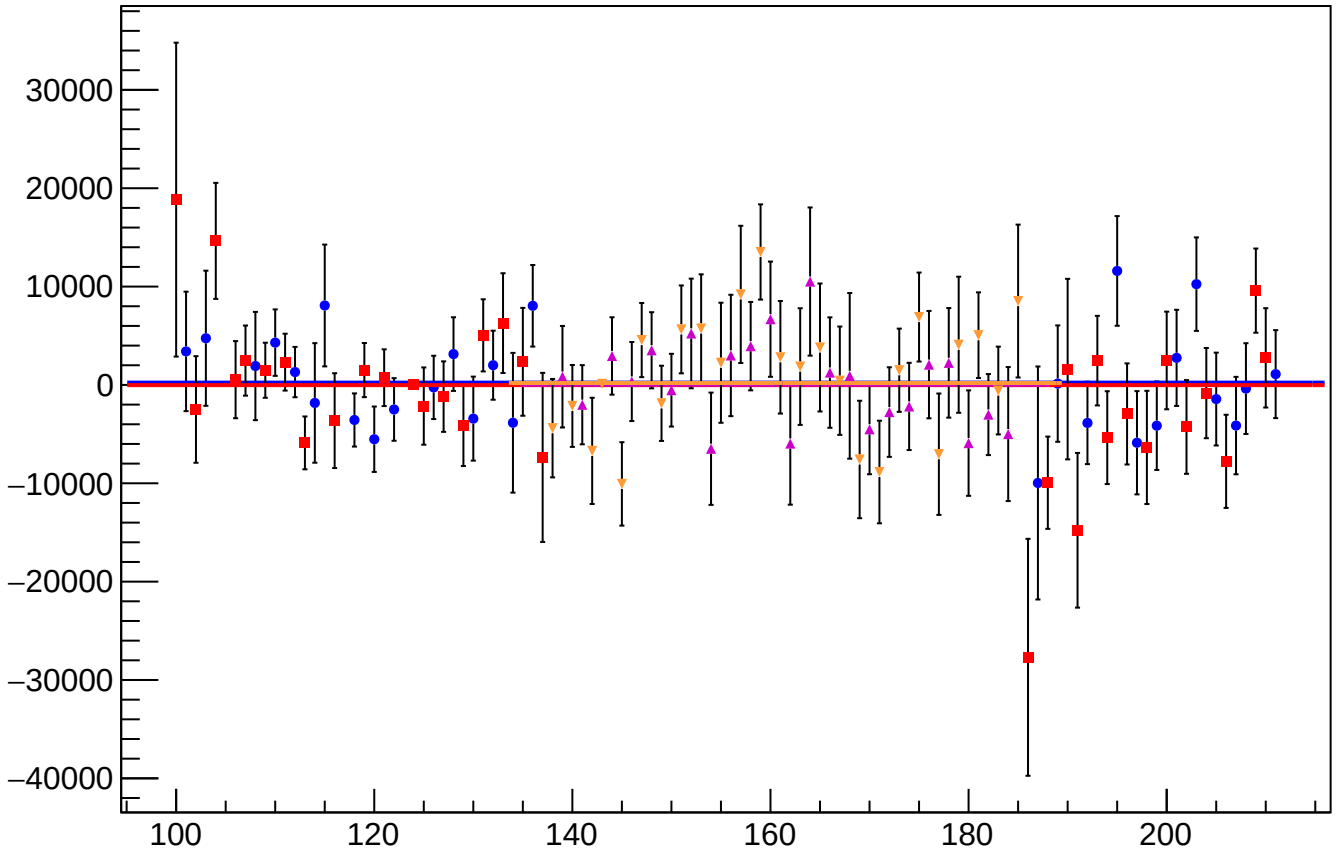
Right Out: 1652.445+/-0.277 χ^2/NDF: 424746.6/32

Left In: 1689.259+/-0.279 χ^2/NDF:122317.9/22

+ sign 1666.780+/-0.197 χ^2/NDF: 642656.5/52

All: 1668.730+/-0.139 χ^2/NDF: 1198685.5/10

- sign 1670.663+/-0.197 χ^2/NDF: 555834.7/55



Right In: 235.281+/-800.083 χ^2/NDF: 29.1/27

Left Out: 193.916+/-343.107 χ^2/NDF:33.9/24

Right Out: -19.349+/-307.993 χ^2/NDF: 46.3/32

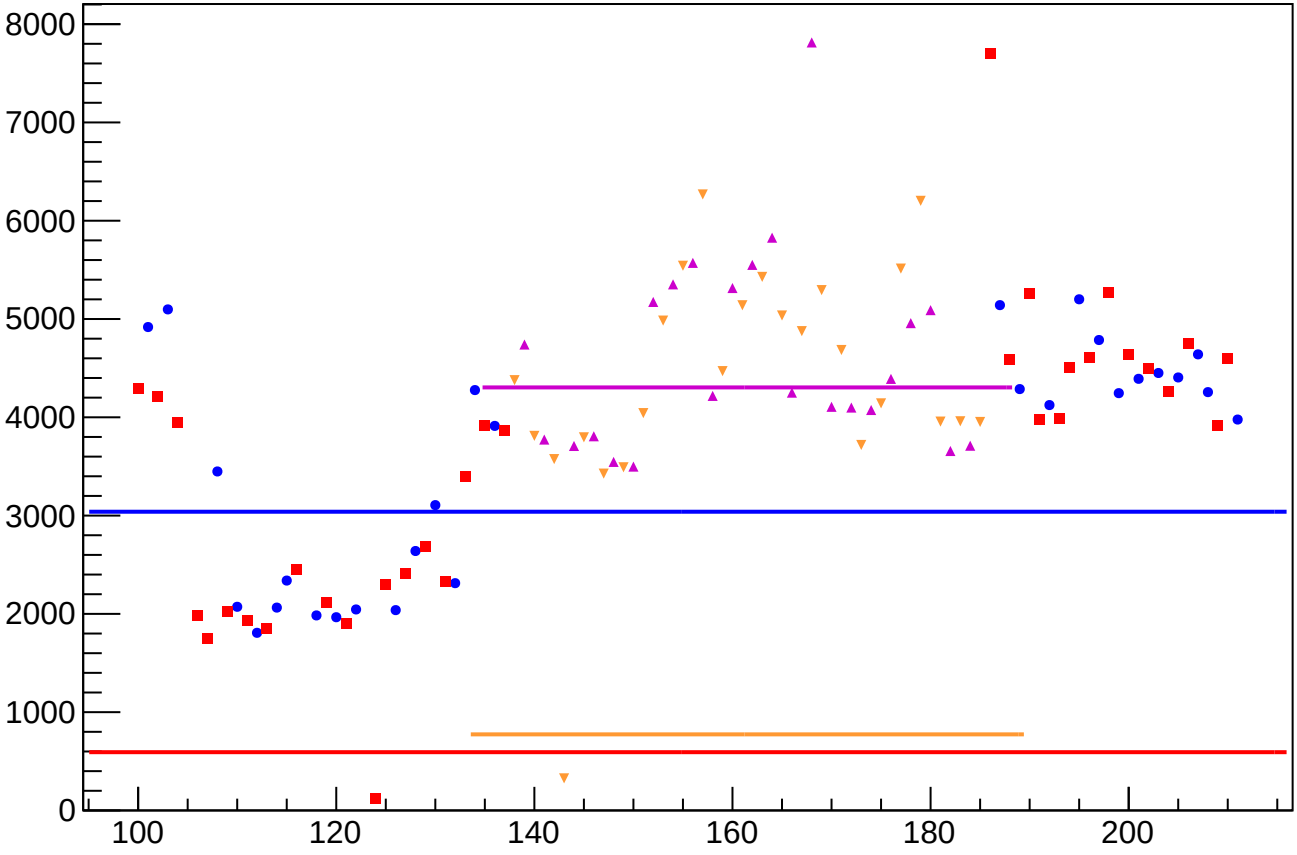
Left In: 28.766+/-1025.480 χ^2/NDF:13.3/22

+ sign 200.341+/-315.335 χ^2/NDF: 63.0/52

All: 85.299+/-215.418 χ^2/NDF: 122.9/108

- sign -15.368+/-294.976 χ^2/NDF: 59.6/55

asym_atl_dd_cor_correction_rms vs Slug



Right In: 3039.299+/-0.566 χ^2/NDF: 4132506.6/27

Left Out: 774.143+/-0.243 χ^2/NDF:28086455.1/24

Right Out: 592.870+/-0.218 χ^2/NDF: 28237485.8/32

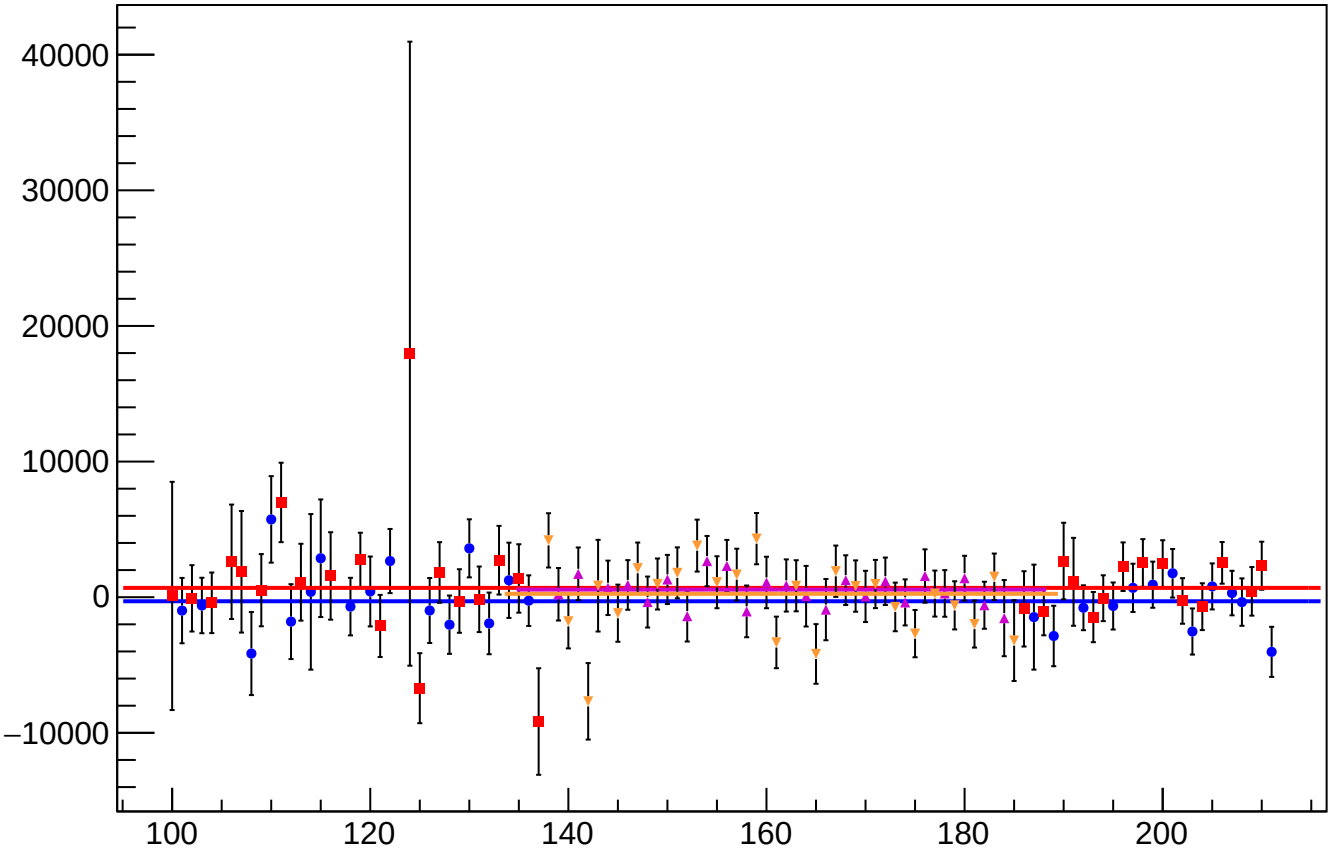
Left In: 4304.001+/-0.725 χ^2/NDF:1216572.3/22

+ sign 1126.005+/-0.223 χ^2/NDF: 45759627.4/52

All: 1005.435+/-0.152 χ^2/NDF: 99787875.9/1

- sign 899.932+/-0.209 χ^2/NDF: 53480007.1/55

eigen_cor_asym_atl_dd_mean vs Slug



Right In: -299.153+/-400.803 χ^2/NDF: 22.7/27

Left Out: 248.216+/-388.827 χ^2/NDF:39.6/24

Right Out: 687.123+/-391.703 χ^2/NDF: 33.8/32

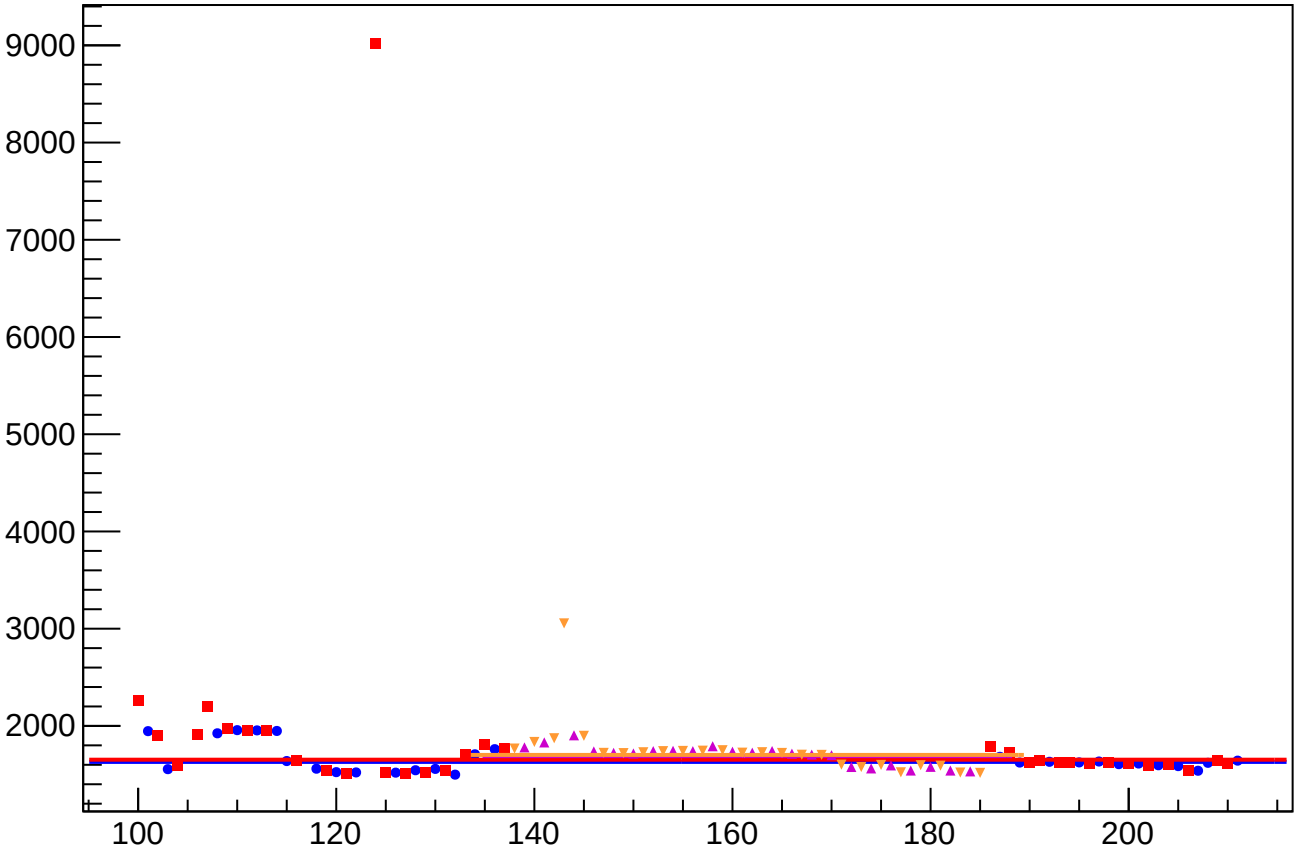
Left In: 559.960+/-395.112 χ^2/NDF:7.5/22

+ sign -17.169+/-279.080 χ^2/NDF: 63.3/52

All: 304.505+/-197.018 χ^2/NDF: 107.3/108

- sign 624.092+/-278.173 χ^2/NDF: 41.4/55

eigen_cor_asym_atl_dd_rms vs Slug



Right In: 1629.801+/-0.283 χ^2/NDF: 157230.1/27

Left Out: 1701.583+/-0.275 χ^2/NDF:452379.0/24

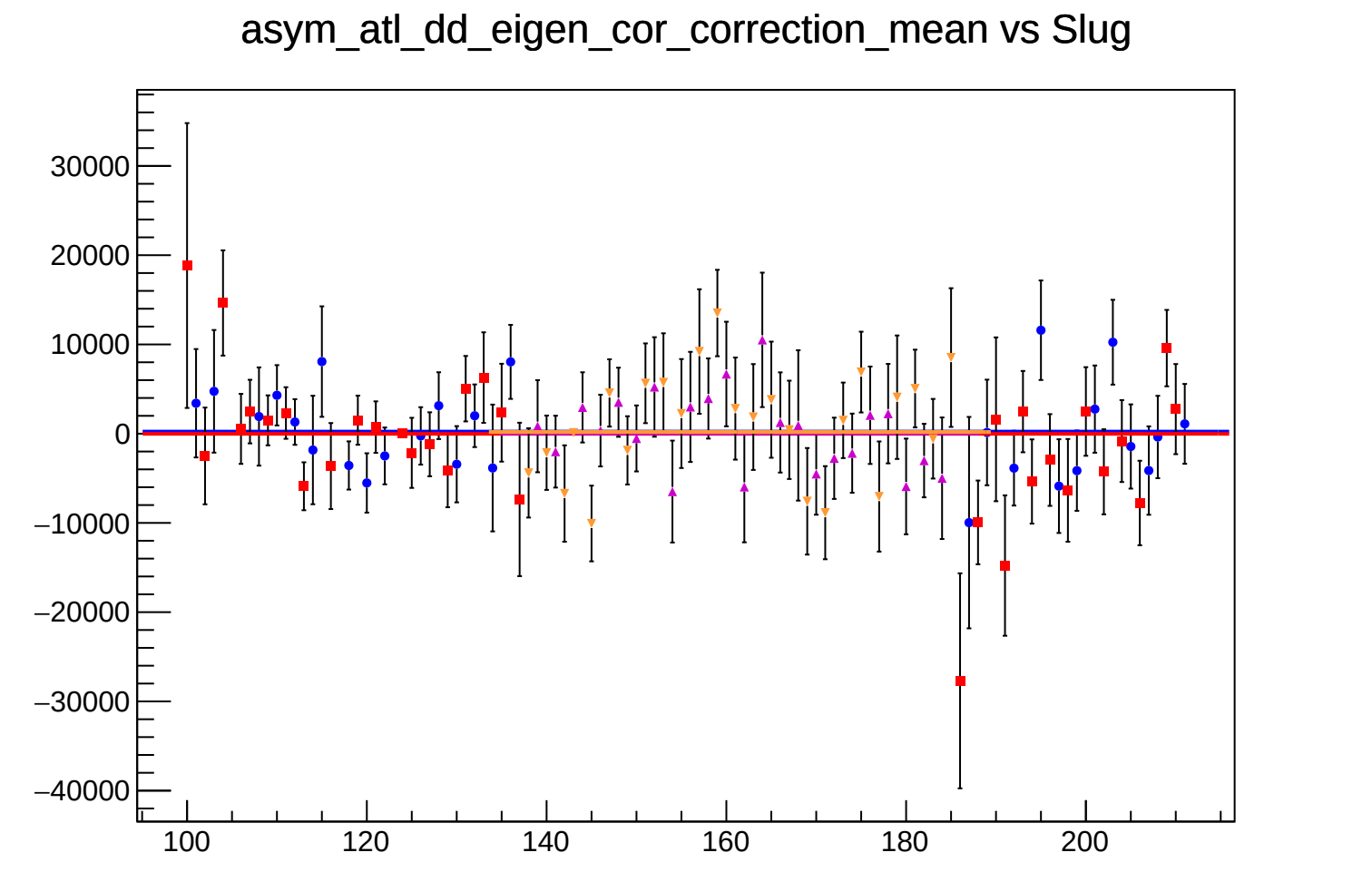
Right Out: 1652.445+/-0.277 χ^2/NDF: 424746.6/32

Left In: 1689.259+/-0.279 χ^2/NDF:122317.9/22

+ sign 1666.780+/-0.197 χ^2/NDF: 642656.5/52

All: 1668.730+/-0.139 χ^2/NDF: 1198685.5/10

- sign 1670.663+/-0.197 χ^2/NDF: 555834.7/55



Right In: 235.281+/-800.083 χ^2/NDF: 29.1/27

Left Out: 193.916+/-343.107 χ^2/NDF:33.9/24

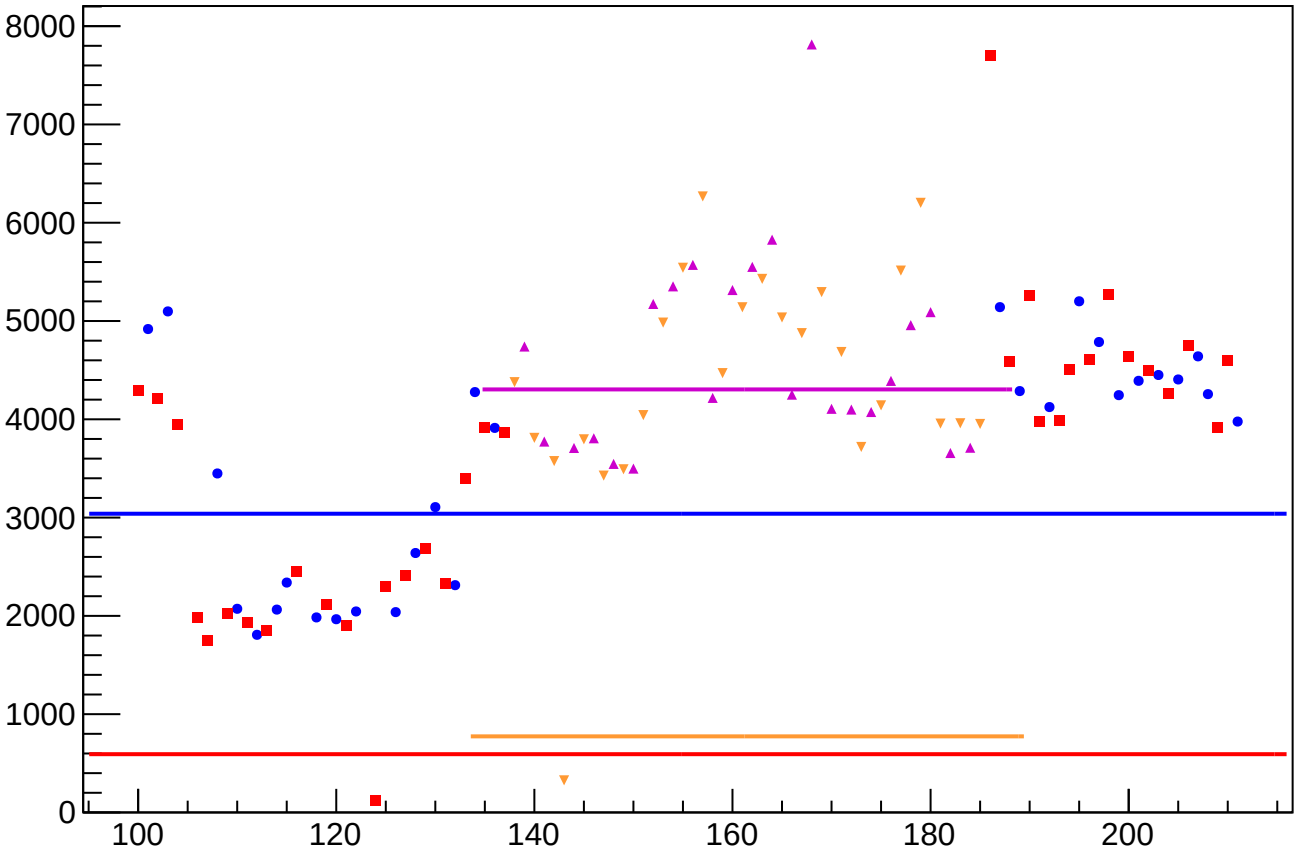
Right Out: -19.349+/-307.993 χ^2/NDF: 46.3/32

Left In: 28.766+/-1025.480 χ^2/NDF:13.3/22

+ sign 200.341+/-315.335 χ^2/NDF: 63.0/52

All: 85.299+/-215.418 χ^2/NDF: 122.9/108

- sign -15.368+/-294.976 χ^2/NDF: 59.6/55



Right In: 3039.299+/-0.566 χ^2/NDF: 4132506.6/27

Left Out: 774.143+/-0.243 χ^2/NDF:28086455.1/24

Right Out: 592.870+/-0.218 χ^2/NDF: 28237485.8/32

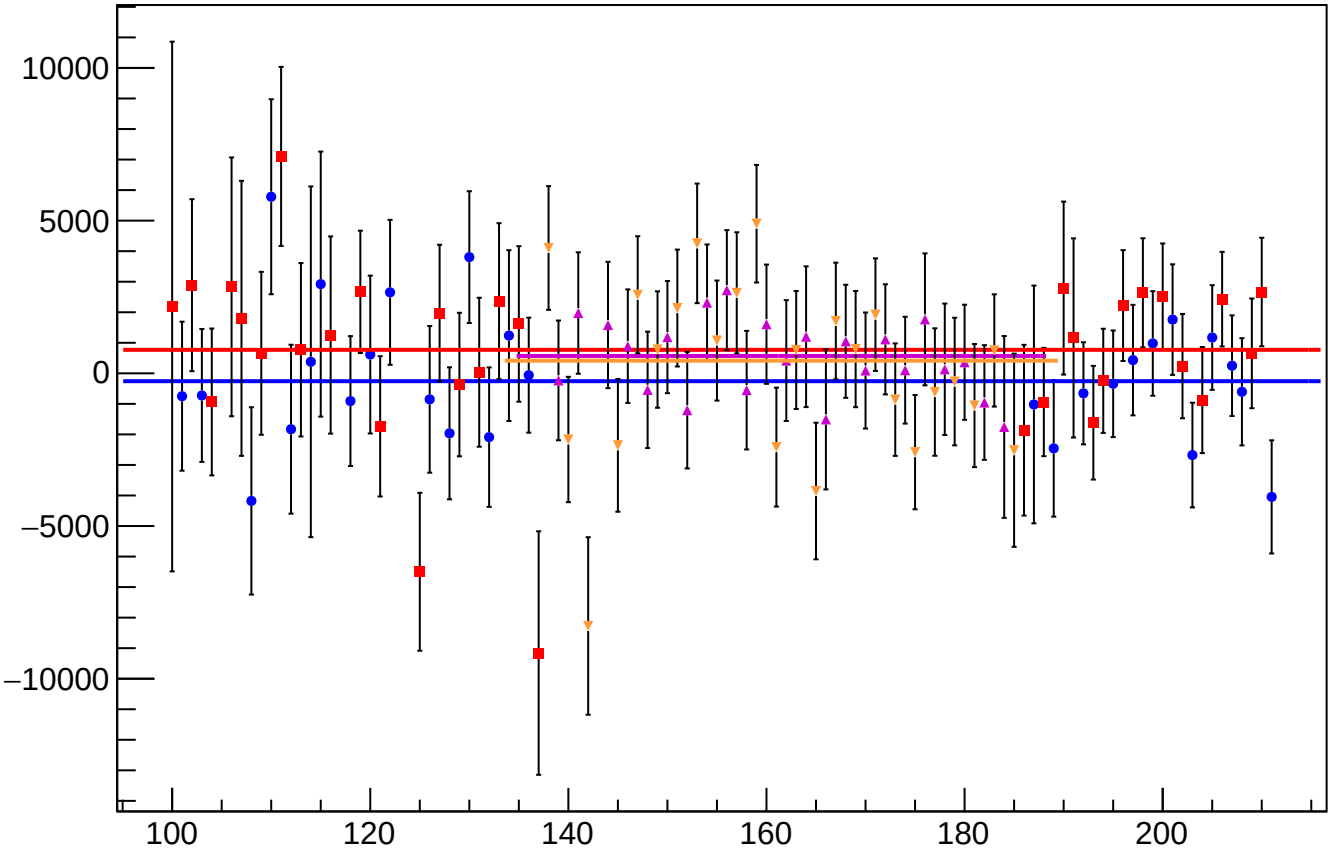
Left In: 4304.001+/-0.725 χ^2/NDF:1216572.3/22

+ sign 1126.005+/-0.223 χ^2/NDF: 45759627.4/52

All: 1005.435+/-0.152 χ^2/NDF: 99787875.9/1

- sign 899.932+/-0.209 χ^2/NDF: 53480007.1/55

dit_asym_atl_dd_mean vs Slug



Right In: -257.146+/-404.255 χ^2/NDF: 23.0/27

Left Out: 413.309+/-410.536 χ^2/NDF:40.0/23

Right Out: 769.444+/-396.350 χ^2/NDF: 33.7/31

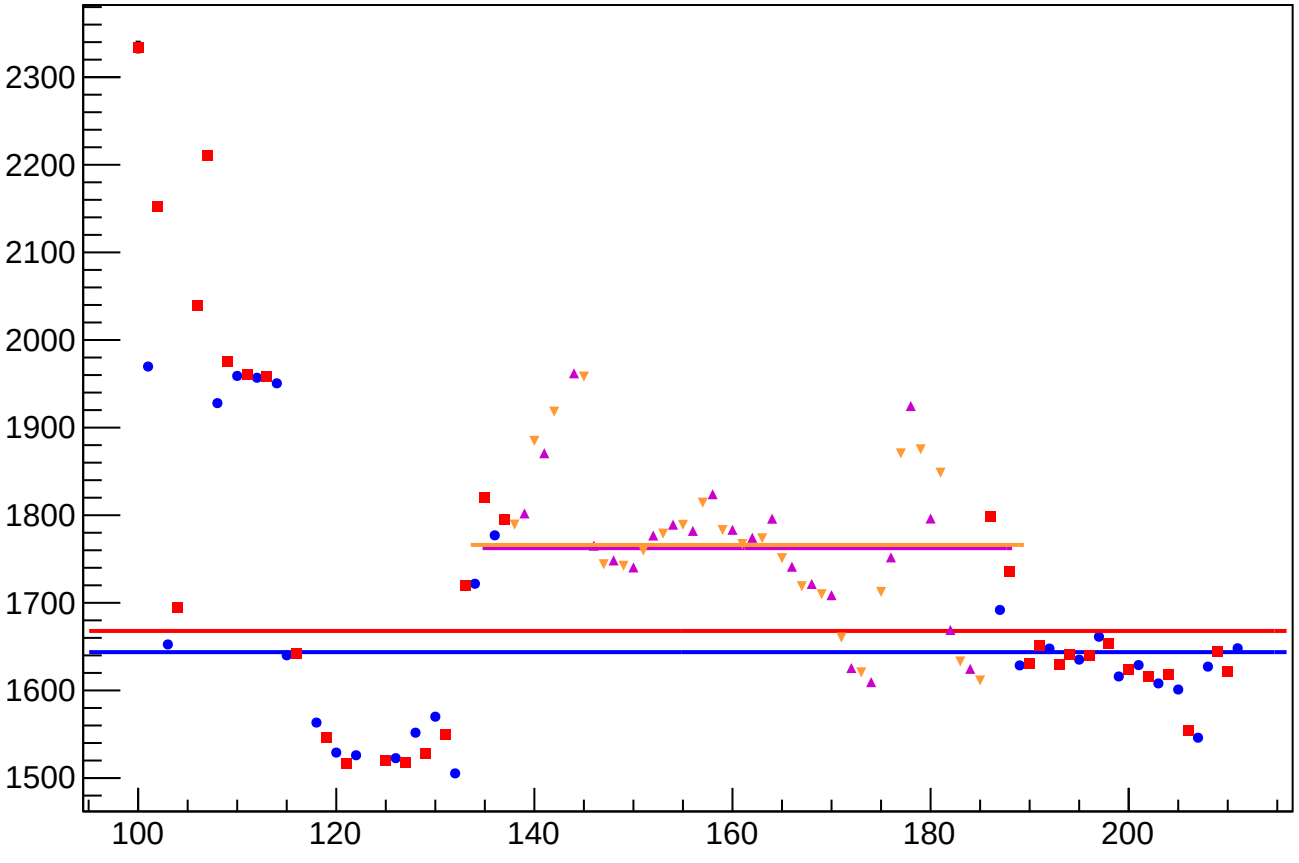
Left In: 568.823+/-412.052 χ^2/NDF:7.7/22

+ sign 72.914+/-288.046 χ^2/NDF: 64.4/51

All: 375.476+/-202.828 χ^2/NDF: 108.2/106

- sign 673.028+/-285.652 χ^2/NDF: 41.6/54

dit_asym_atl_dd_rms vs Slug



Right In: 1643.727+/-0.286 χ^2/NDF: 156086.9/27

Left Out: 1766.115+/-0.290 χ^2/NDF:83252.4/23

Right Out: 1667.909+/-0.280 χ^2/NDF: 266533.0/31

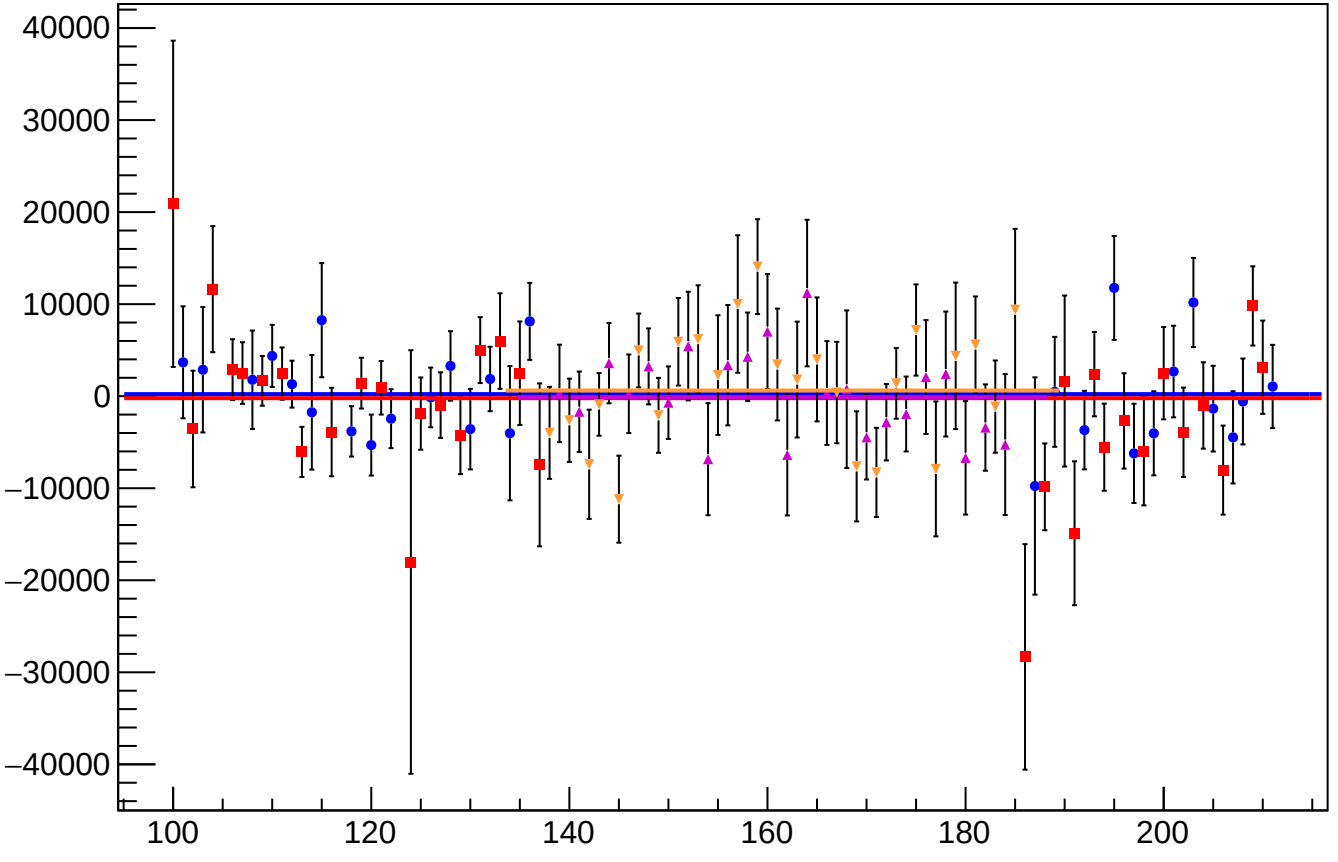
Left In: 1762.405+/-0.291 χ^2/NDF:80090.6/22

+ sign 1703.978+/-0.204 χ^2/NDF: 329583.1/51

All: 1708.670+/-0.143 χ^2/NDF: 731939.9/106

- sign 1713.281+/-0.202 χ^2/NDF: 401304.4/54

asym_atl_dd_dit_correction_mean vs Slug



Right In: 225.235+/-805.244 χ^2/NDF: 28.8/27

Left Out: 619.658+/-1034.658 χ^2/NDF:33.1/24

Right Out: -217.243+/-749.336 χ^2/NDF: 44.6/32

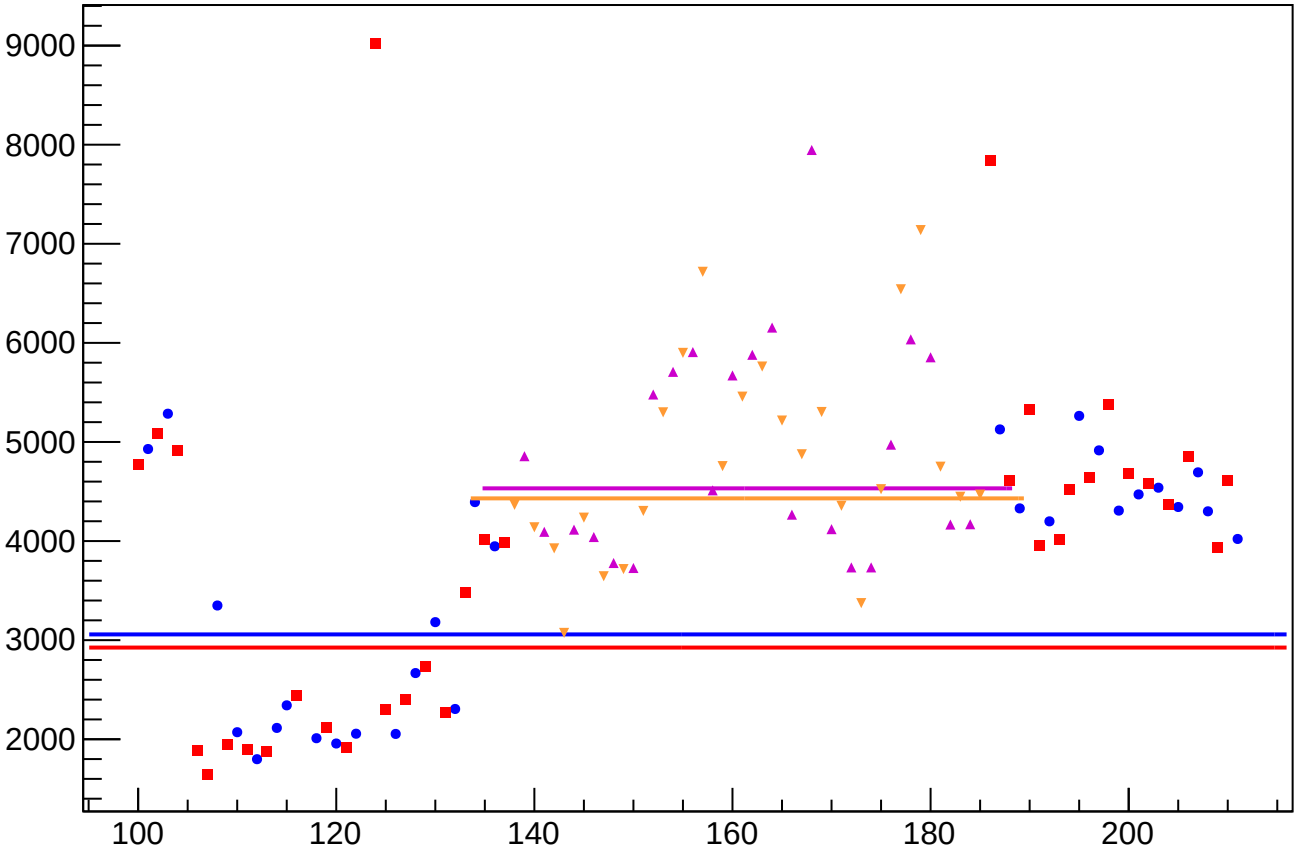
Left In: -85.511+/-1082.508 χ^2/NDF:12.9/22

+ sign 374.020+/-635.469 χ^2/NDF: 62.0/52

All: 91.248+/-442.346 χ^2/NDF: 119.9/108

- sign -174.569+/-616.123 χ^2/NDF: 57.5/55

asym_atl_dd_dit_correction_rms vs Slug



Right In: 3058.033+/-0.569 χ^2/NDF: 4249091.1/27

Left Out: 4430.796+/-0.732 χ^2/NDF:1613272.4/24

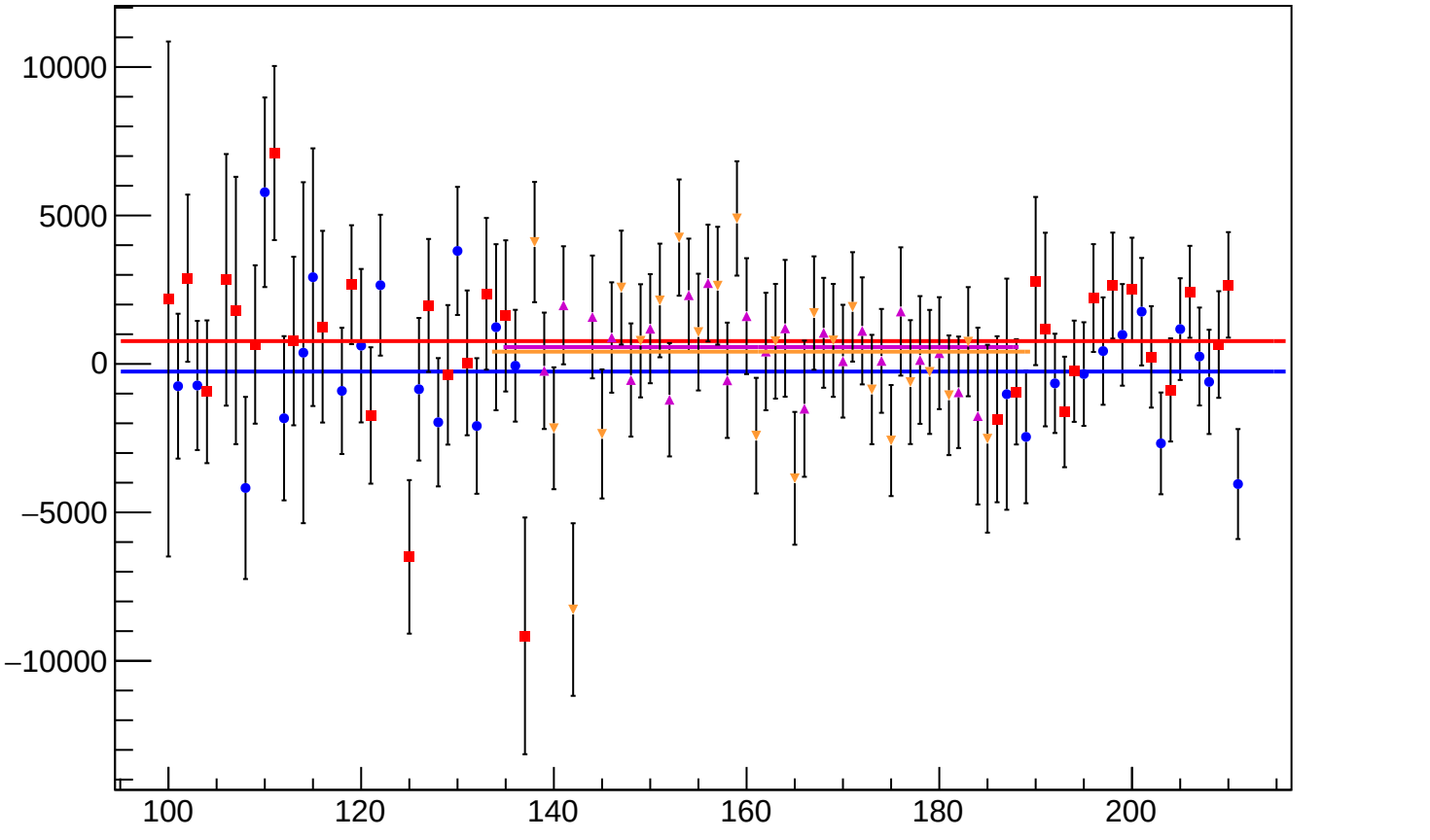
Right Out: 2925.237+/-0.530 χ^2/NDF: 5566284.1/32

Left In: 4531.944+/-0.765 χ^2/NDF:1376472.2/22

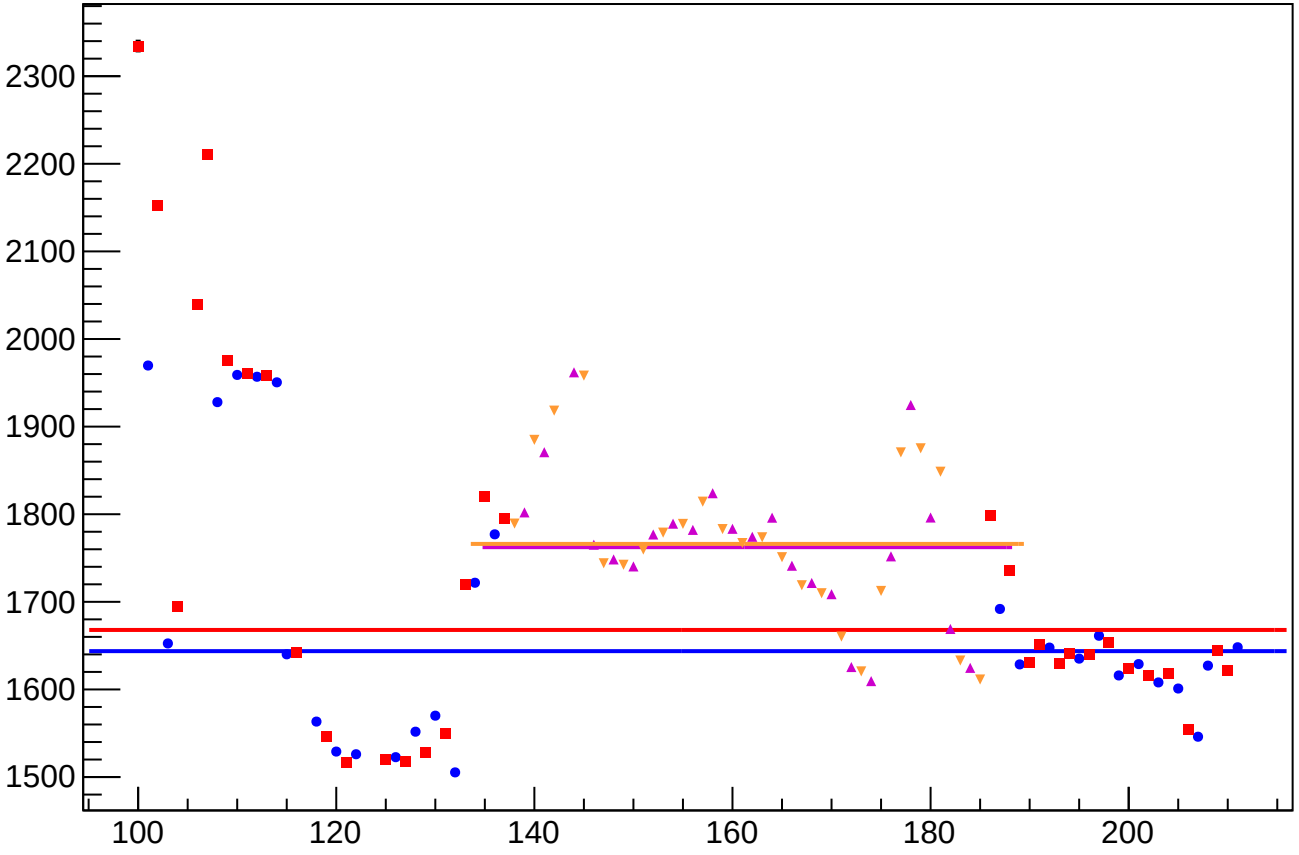
+ sign 3575.868+/-0.449 χ^2/NDF: 8054975.6/52

All: 3508.784+/-0.313 χ^2/NDF: 18019643.6/1

- sign 3445.723+/-0.436 χ^2/NDF: 9921428.0/55


eigen_dit_asym_atl_dd_mean vs Slug
10000
5000
0
−5000
−10000
100
120
140
160
180
200
Right In: -257.148+/-404.255 χ²/NDF: 23.0/27
Left Out: 413.311+/-410.536 χ²/NDF:40.0/23
Right Out: 769.441+/-396.350 χ²/NDF: 33.7/31
Left In: 568.821+/-412.052 χ²/NDF:7.7/22
+ sign 72.913+/-288.046 χ²/NDF: 64.4/51
All: 375.475+/-202.828 χ²/NDF: 108.2/106
- sign 673.026+/-285.652 χ²/NDF: 41.6/54

eigen_dit_asym_atl_dd_rms vs Slug



Right In: 1643.728+/-0.286 χ^2/NDF: 156086.8/27

Left Out: 1766.116+/-0.290 χ^2/NDF:83255.3/23

Right Out: 1667.909+/-0.280 χ^2/NDF: 266531.7/31

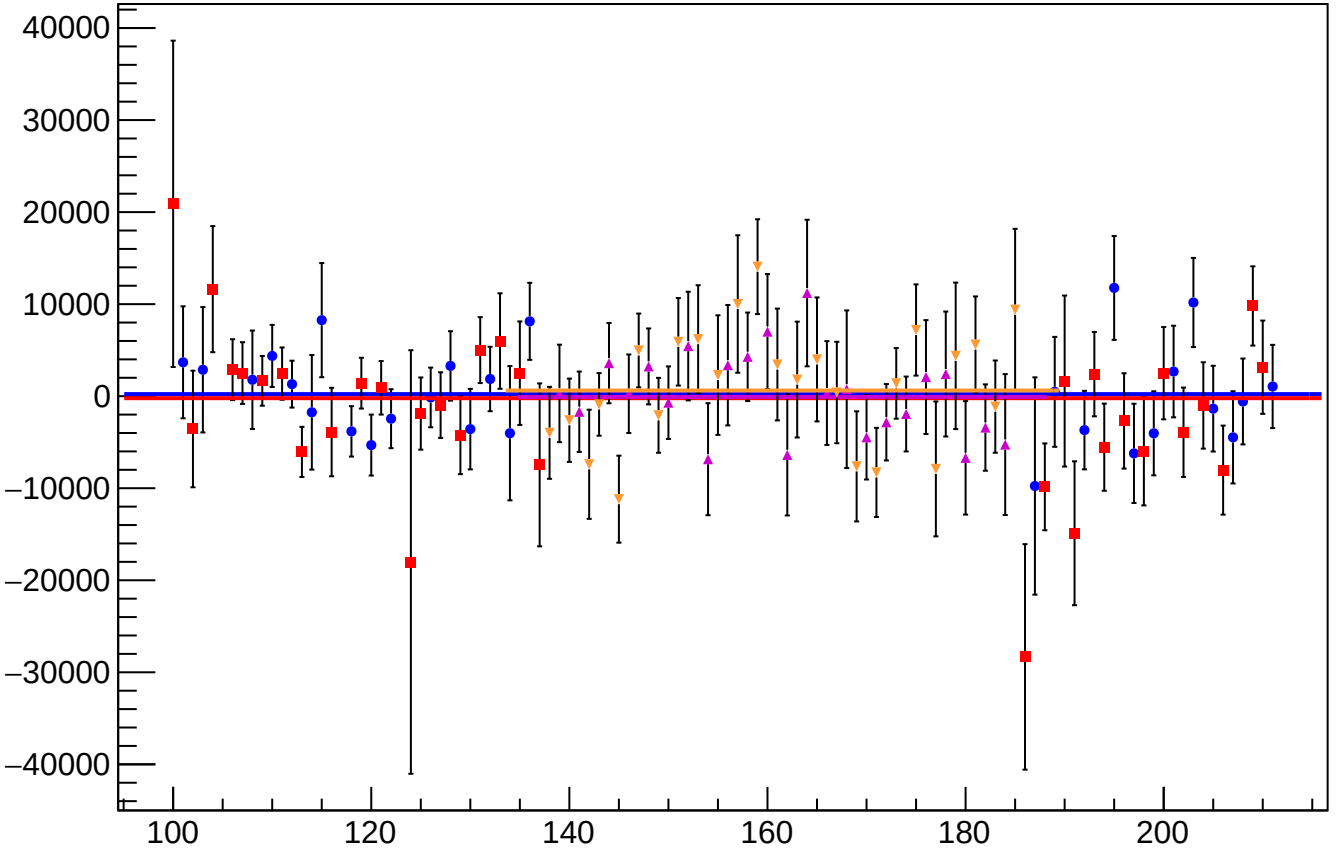
Left In: 1762.406+/-0.291 χ^2/NDF:80093.2/22

+ sign 1703.978+/-0.204 χ^2/NDF: 329587.4/51

All: 1708.671+/-0.143 χ^2/NDF: 731946.4/106

- sign 1713.282+/-0.202 χ^2/NDF: 401306.7/54

asym_atl_dd_eigen_dit_correction_mean vs Slug



Right In: 225.230+/-805.242 χ^2/NDF: 28.8/27

Left Out: 619.663+/-1034.659 χ^2/NDF:33.1/24

Right Out: -217.238+/-749.335 χ^2/NDF: 44.6/32

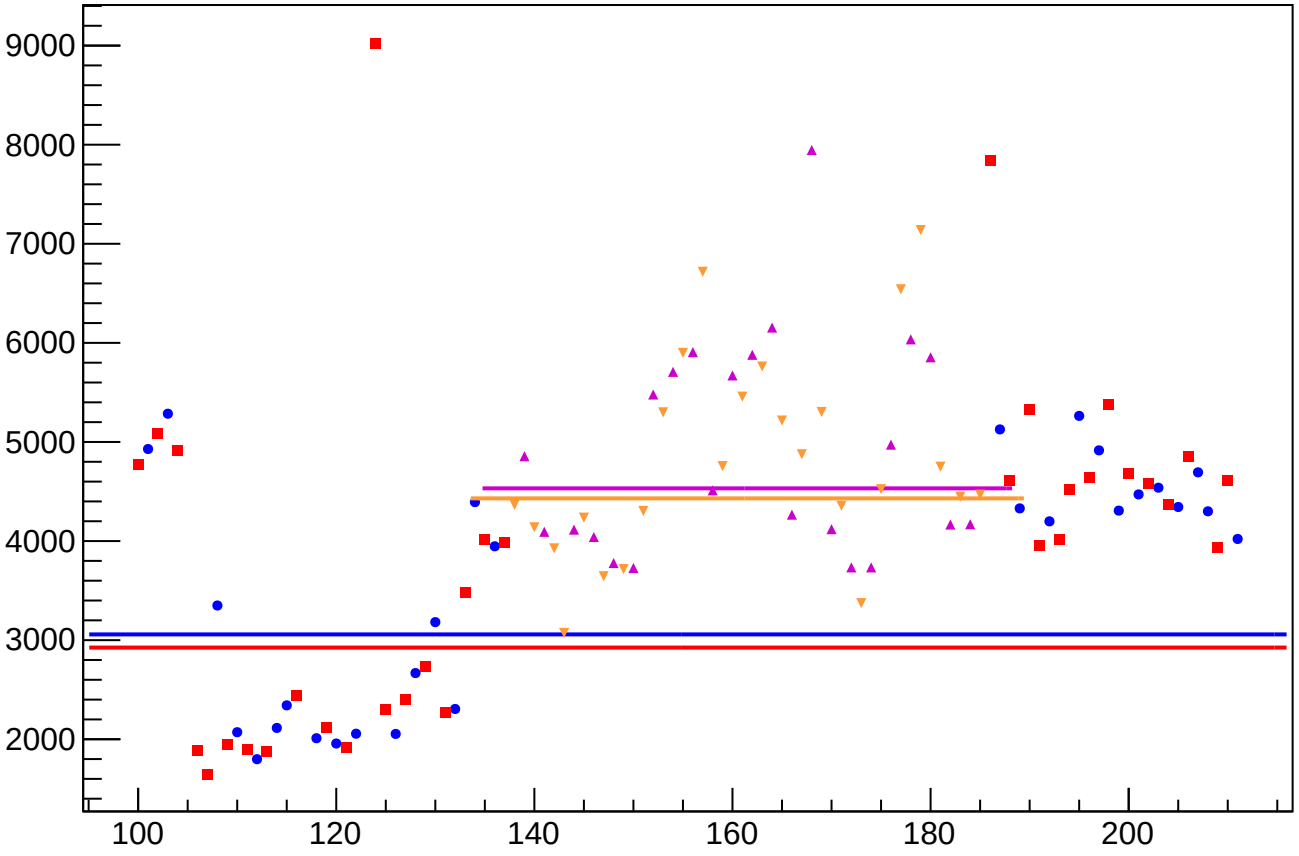
Left In: -85.511+/-1082.509 χ^2/NDF:12.9/22

+ sign 374.018+/-635.469 χ^2/NDF: 62.0/52

All: 91.248+/-442.346 χ^2/NDF: 119.9/108

- sign -174.566+/-616.122 χ^2/NDF: 57.5/55

asym_atl_dd_eigen_dit_correction_rms vs Slug



Right In: 3058.024+/-0.569 χ^2/NDF: 4249158.3/27

Left Out: 4430.803+/-0.732 χ^2/NDF:1613274.9/24

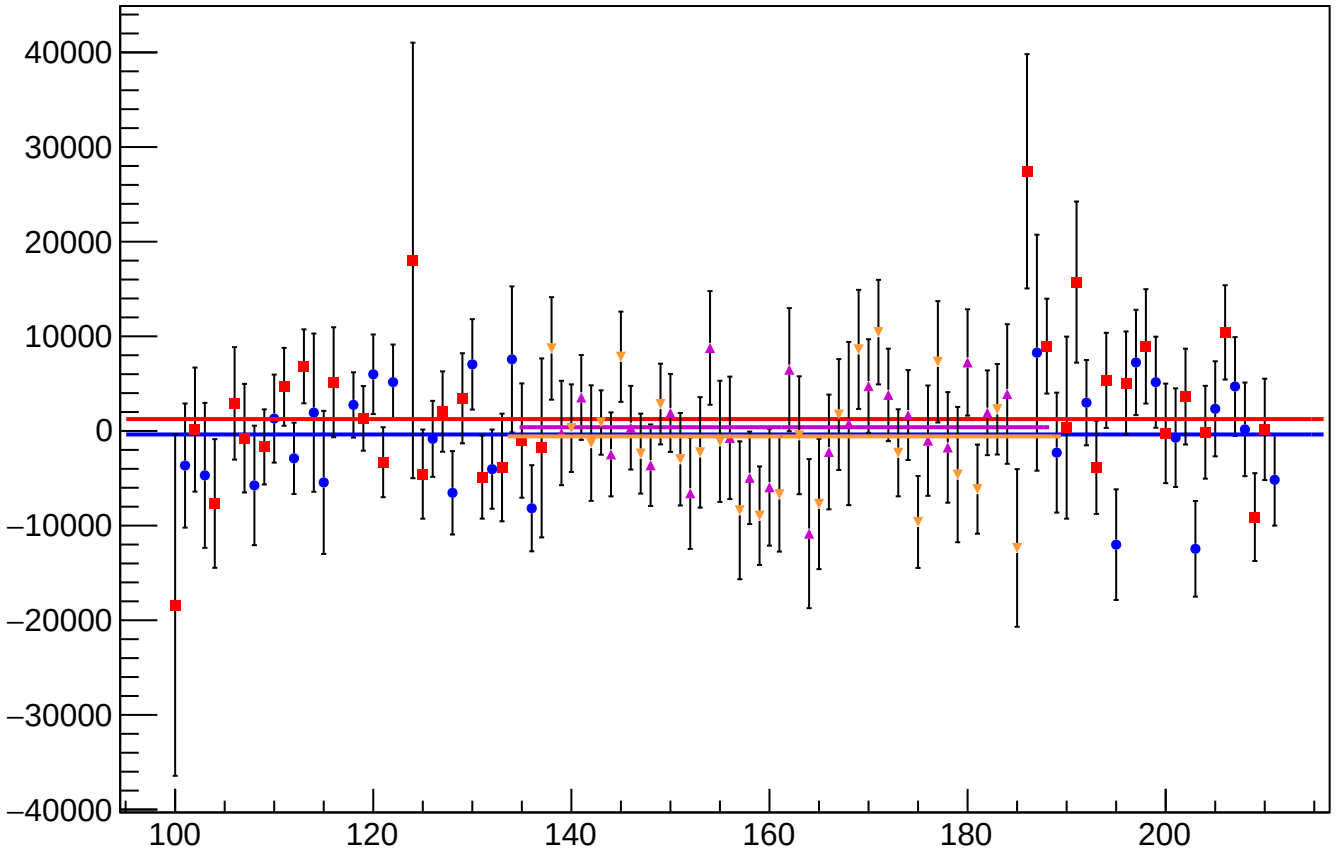
Right Out: 2925.228+/-0.530 χ^2/NDF: 5566343.2/32

Left In: 4531.951+/-0.765 χ^2/NDF:1376473.4/22

+ sign 3575.862+/-0.449 χ^2/NDF: 8055096.7/52

All: 3508.778+/-0.313 χ^2/NDF: 18019881.8/1

- sign 3445.717+/-0.436 χ^2/NDF: 9921544.7/55



Right In: -369.208+/-945.389 χ^2/NDF: 32.8/27

Left Out: -573.122+/-1054.836 χ^2/NDF:28.8/24

Right Out: 1256.952+/-911.937 χ^2/NDF: 36.0/32

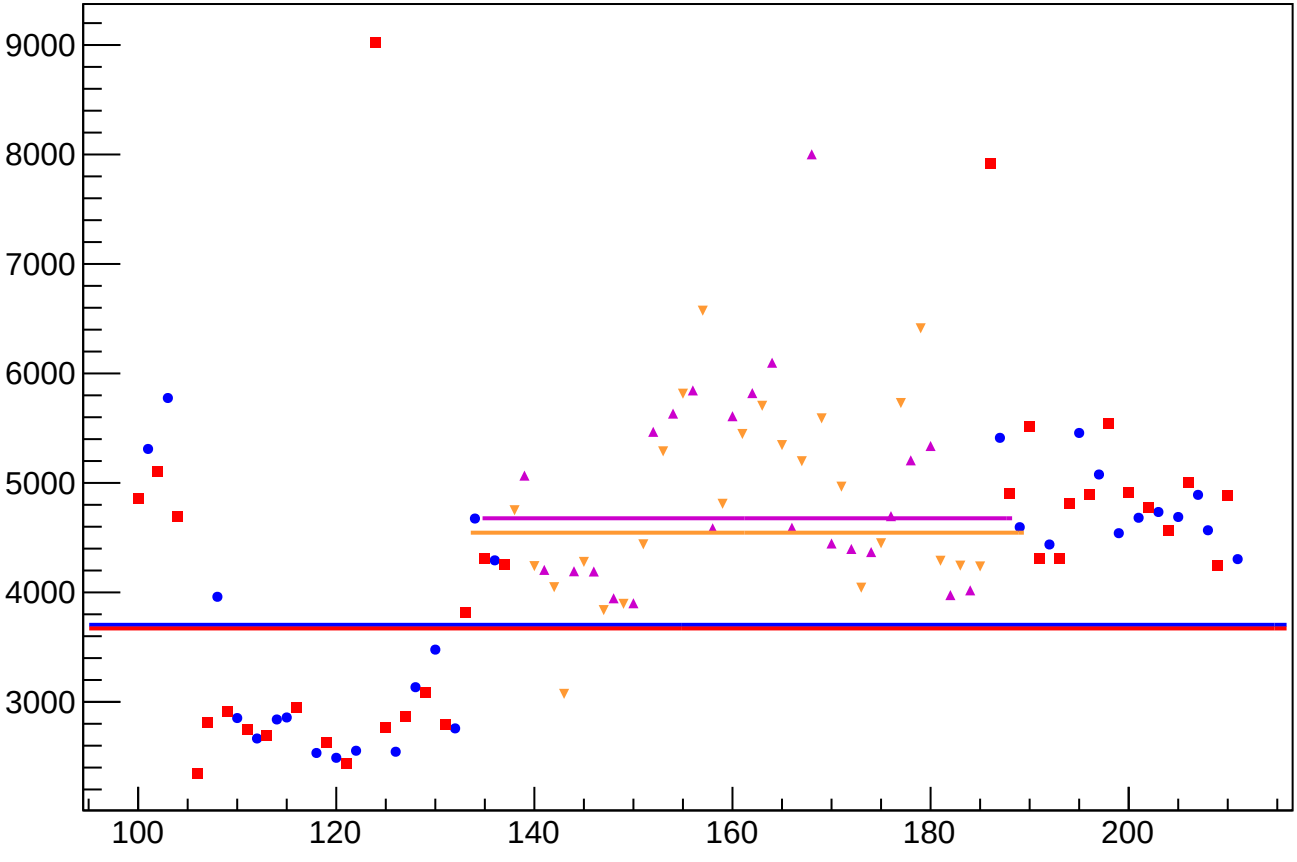
Left In: 398.404+/-1109.490 χ^2/NDF:14.0/22

+ sign -460.041+/-704.016 χ^2/NDF: 61.6/52

All: 224.903+/-497.985 χ^2/NDF: 113.9/108

- sign 910.789+/-704.500 χ^2/NDF: 50.4/55

asym_atl_dd_rms vs Slug



Right In: 3703.880+/-0.668 χ^2/NDF: 2390373.8/27

Left Out: 4545.493+/-0.746 χ^2/NDF:1258528.5/24

Right Out: 3670.764+/-0.639 χ^2/NDF: 2919838.3/32

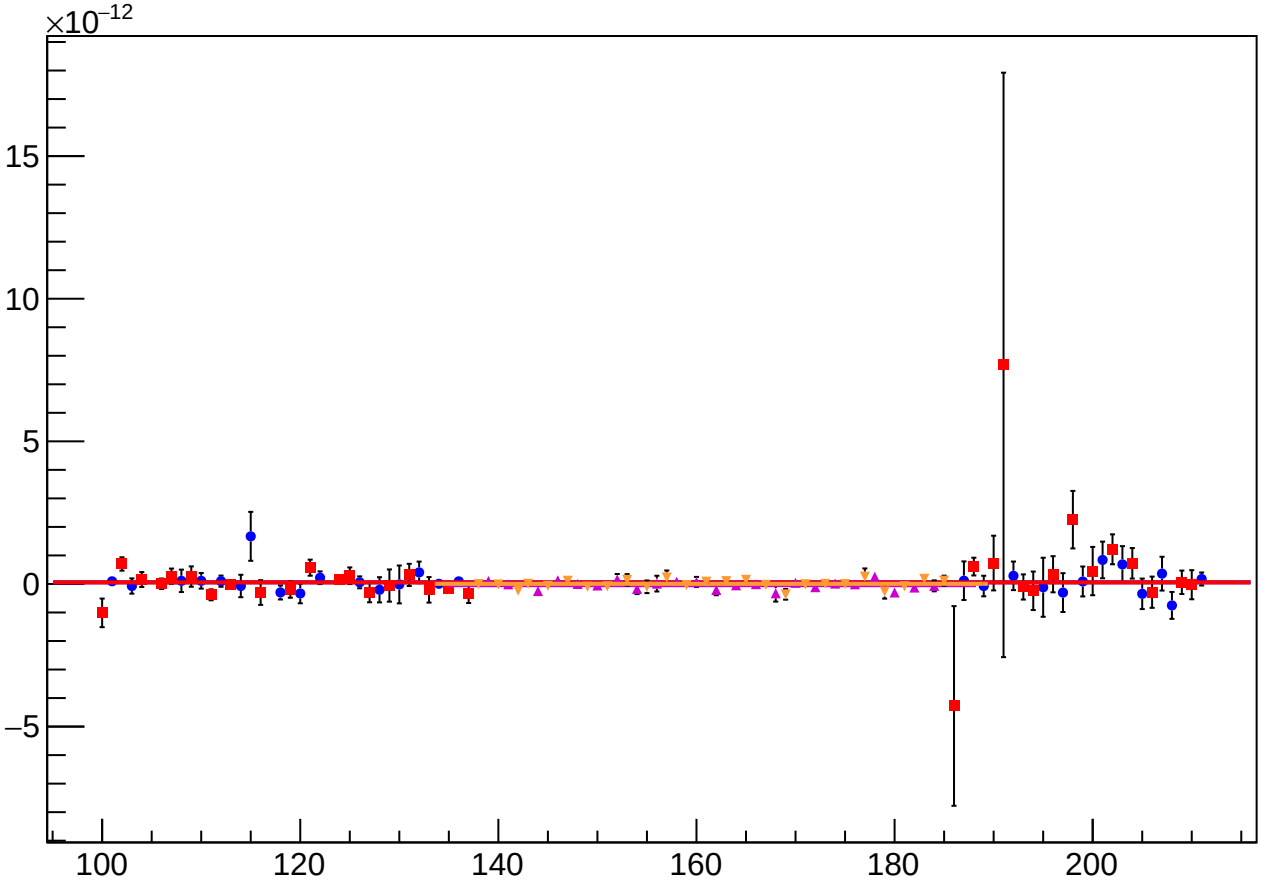
Left In: 4677.049+/-0.785 χ^2/NDF:959885.7/22

+ sign 4078.773+/-0.498 χ^2/NDF: 4354941.3/52

All: 4075.556+/-0.351 χ^2/NDF: 9223372.8/10

- sign 4072.367+/-0.496 χ^2/NDF: 4868348.4/55

asym_atl_dd_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 16.5/27

Left Out: 0.000+/-0.000 χ^2/NDF:18.2/24

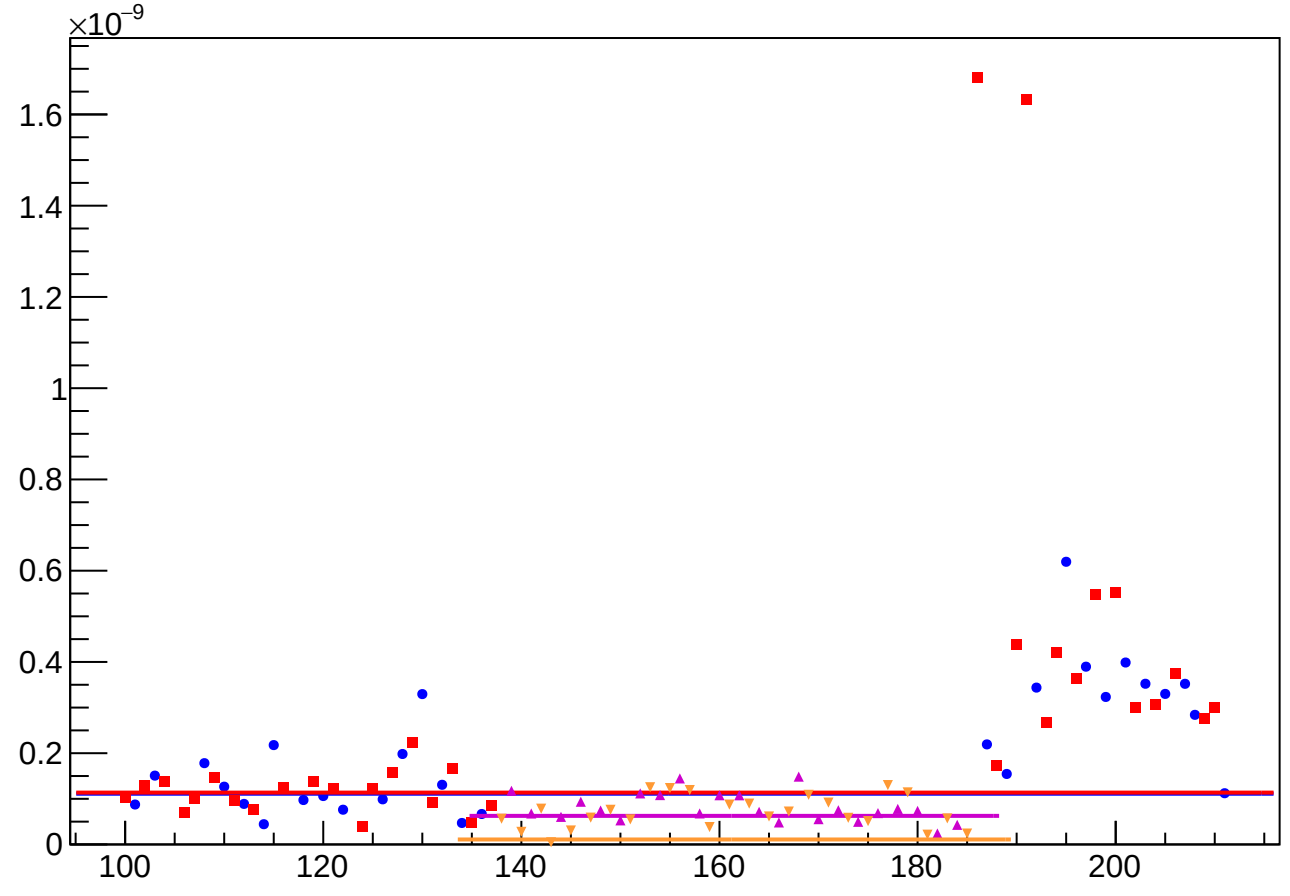
Right Out: 0.000+/-0.000 χ^2/NDF: 48.7/32

Left In: -0.000+/-0.000 χ^2/NDF:20.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 35.7/52

All: 0.000+/-0.000 χ^2/NDF: 109.3/108

- sign -0.000+/-0.000 χ^2/NDF: 72.2/55



Right In: 0.000+/-0.000 χ^2/NDF: 4523104.8/27

Left Out: 0.000+/-0.000 χ^2/NDF:9705530.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5595604.1/32

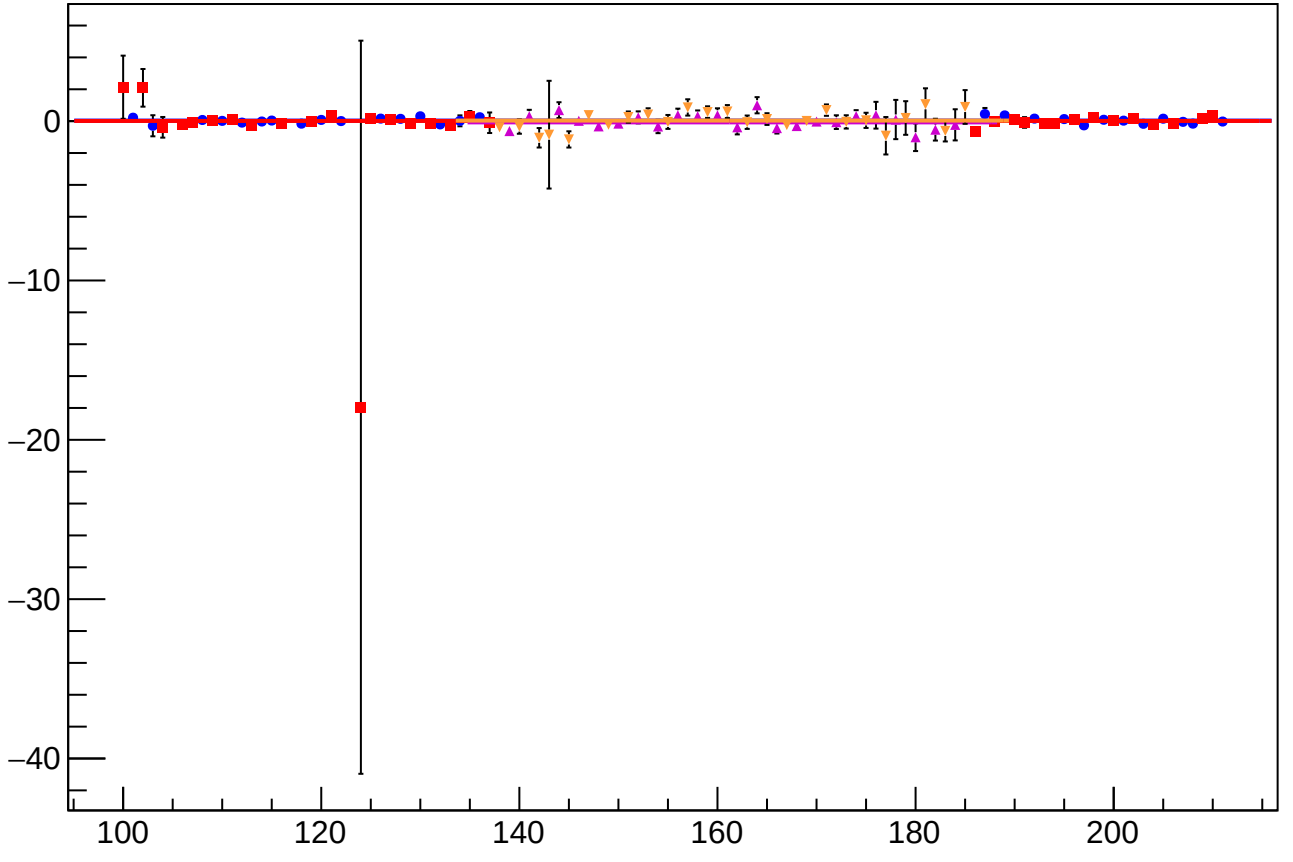
Left In: 0.000+/-0.000 χ^2/NDF:2092071.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 21467805.9/52

All: 0.000+/-0.000 χ^2/NDF: 42220326.8/108

- sign 0.000+/-0.000 χ^2/NDF: 9211115.1/55

asym_atl_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.034+/-0.034 χ^2/NDF: 19.7/27

Left Out: 0.036+/-0.077 χ^2/NDF:29.7/24

Right Out: 0.012+/-0.031 χ^2/NDF: 41.6/32

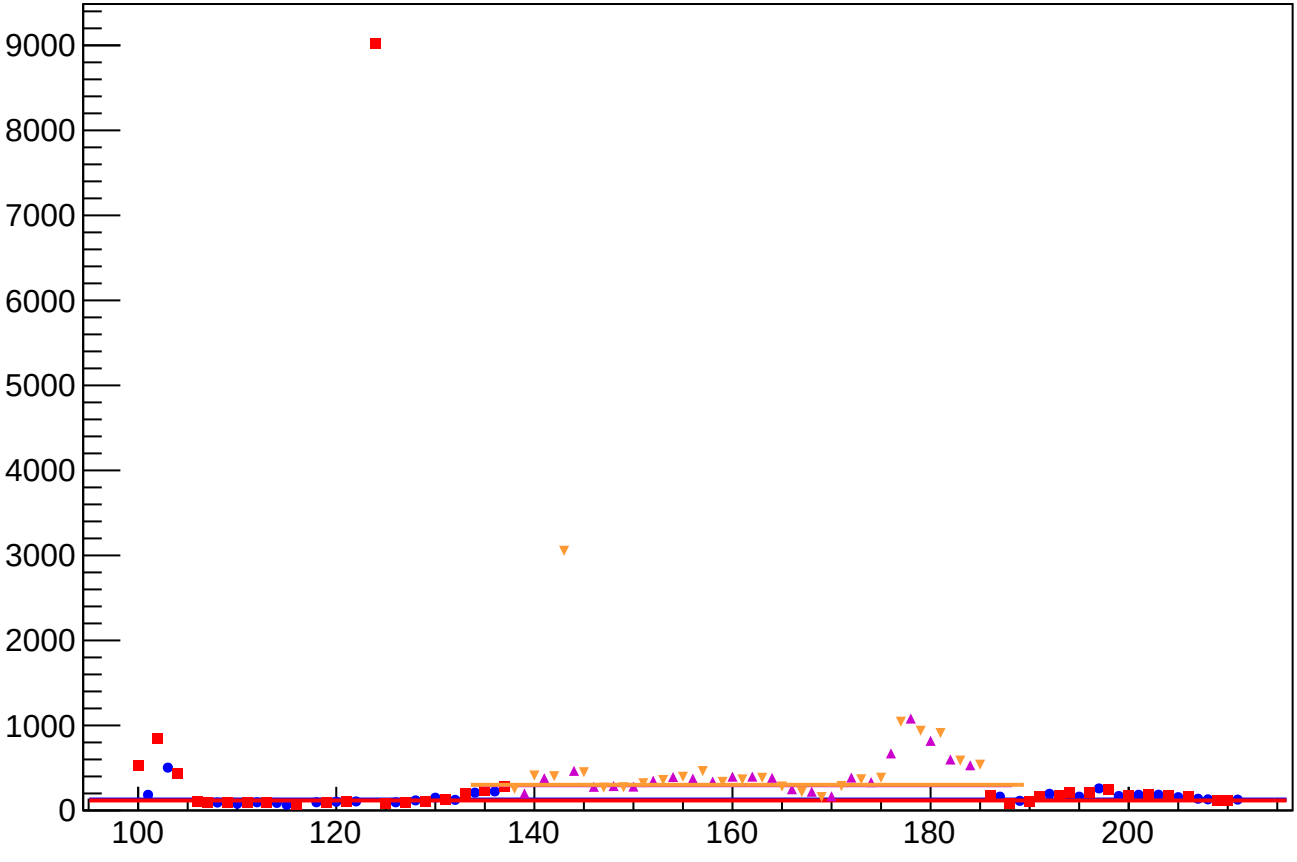
Left In: -0.078+/-0.076 χ^2/NDF:24.1/22

+ sign 0.034+/-0.031 χ^2/NDF: 49.3/52

All: 0.015+/-0.021 χ^2/NDF: 117.0/108

- sign -0.001+/-0.029 χ^2/NDF: 66.9/55

asym_atl_dd_dit_vs_cor_diff_rms vs Slug



Right In: 128.630+/-0.024 χ^2/NDF: 3446997.4/27

Left Out: 301.735+/-0.054 χ^2/NDF:6693517.2/24

Right Out: 117.665+/-0.022 χ^2/NDF: 5413587.8/32

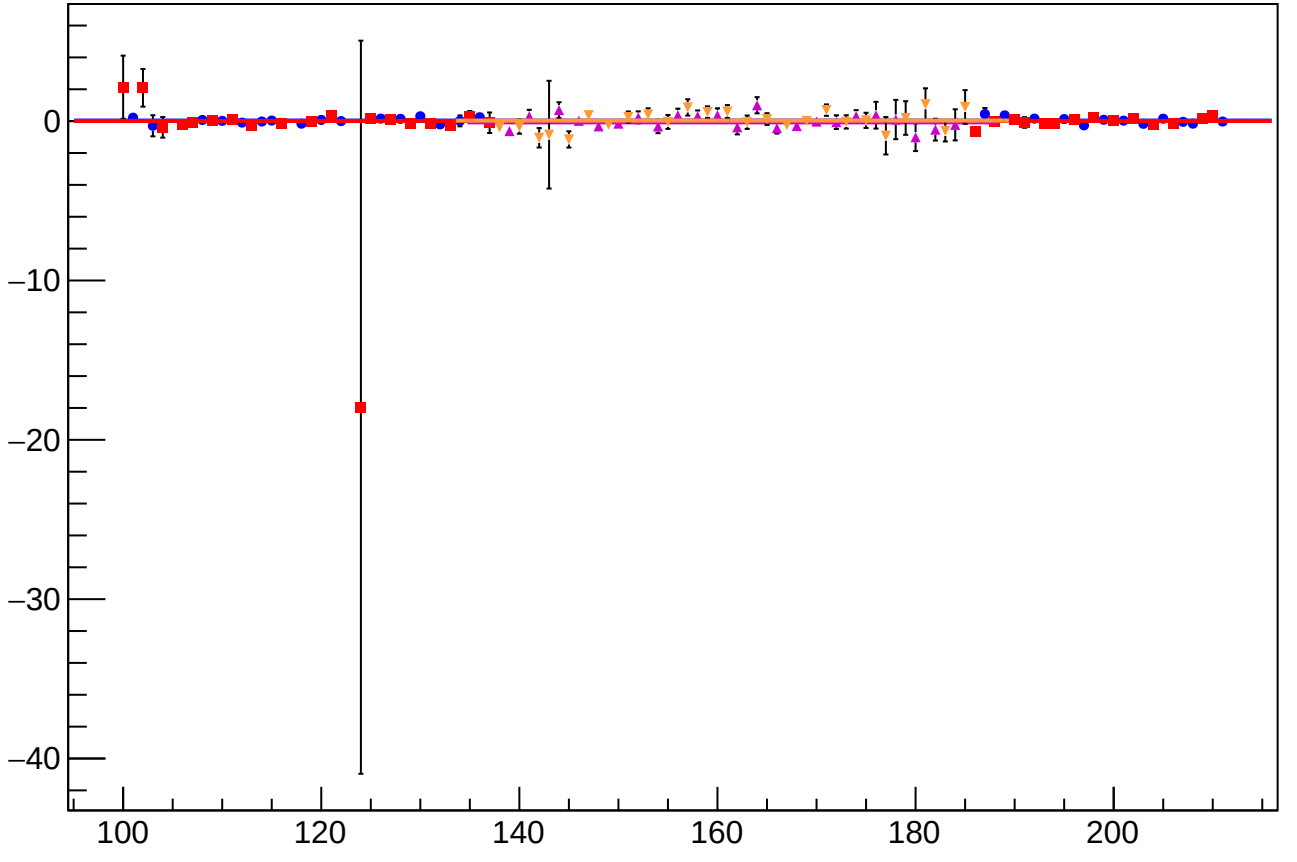
Left In: 296.875+/-0.054 χ^2/NDF:4917907.0/22

+ sign 157.287+/-0.022 χ^2/NDF: 18590041.3/52

All: 149.893+/-0.015 χ^2/NDF: 38703382.7/10

- sign 143.623+/-0.020 χ^2/NDF: 19907129.3/55

asym_atl_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.034+/-0.034 χ^2/NDF: 19.7/27

Left Out: 0.036+/-0.077 χ^2/NDF:29.7/24

Right Out: 0.012+/-0.031 χ^2/NDF: 41.6/32

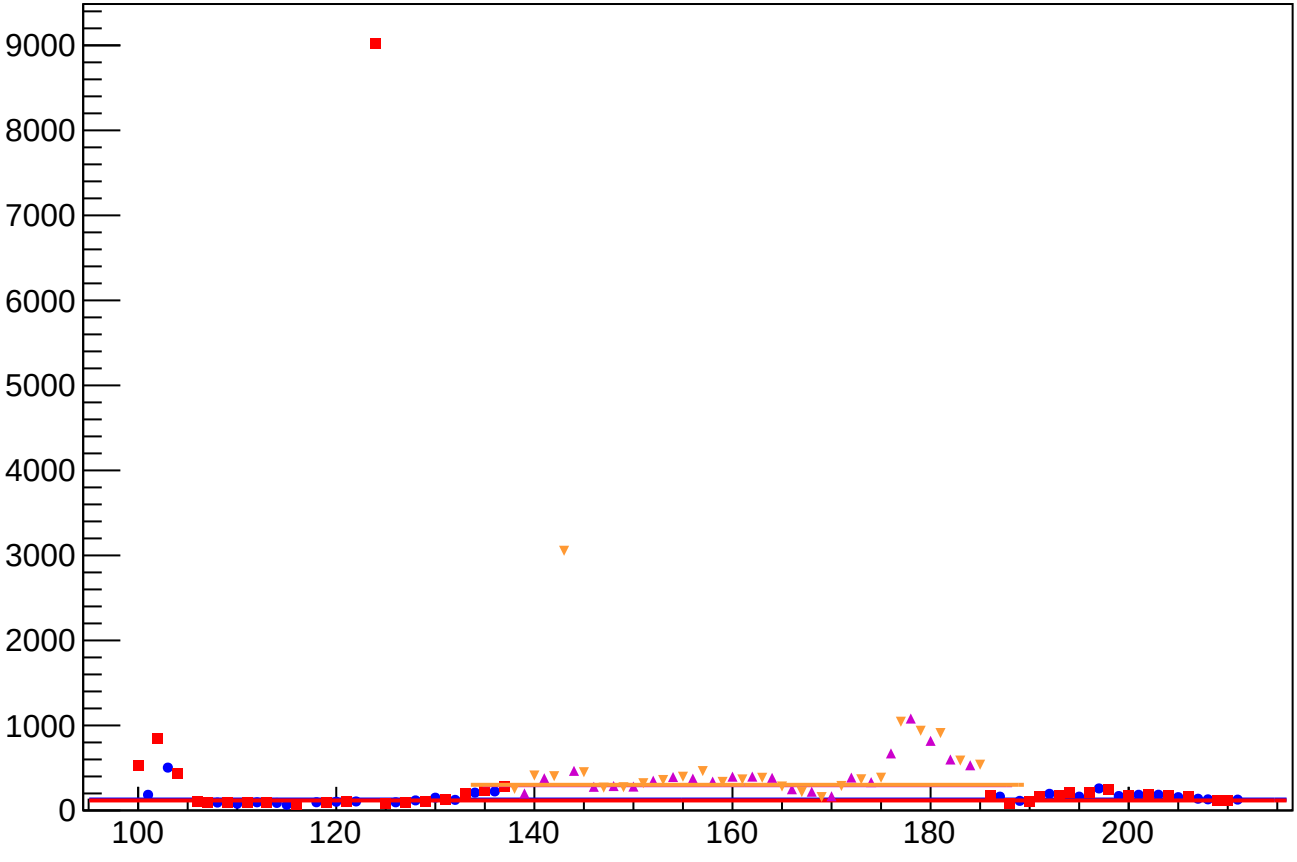
Left In: -0.078+/-0.076 χ^2/NDF:24.1/22

+ sign 0.034+/-0.031 χ^2/NDF: 49.3/52

All: 0.015+/-0.021 χ^2/NDF: 117.0/108

- sign -0.001+/-0.029 χ^2/NDF: 66.9/55

asym_atl_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 128.630+/-0.024 χ^2/NDF: 3446997.4/27

Left Out: 301.735+/-0.054 χ^2/NDF:6693517.2/24

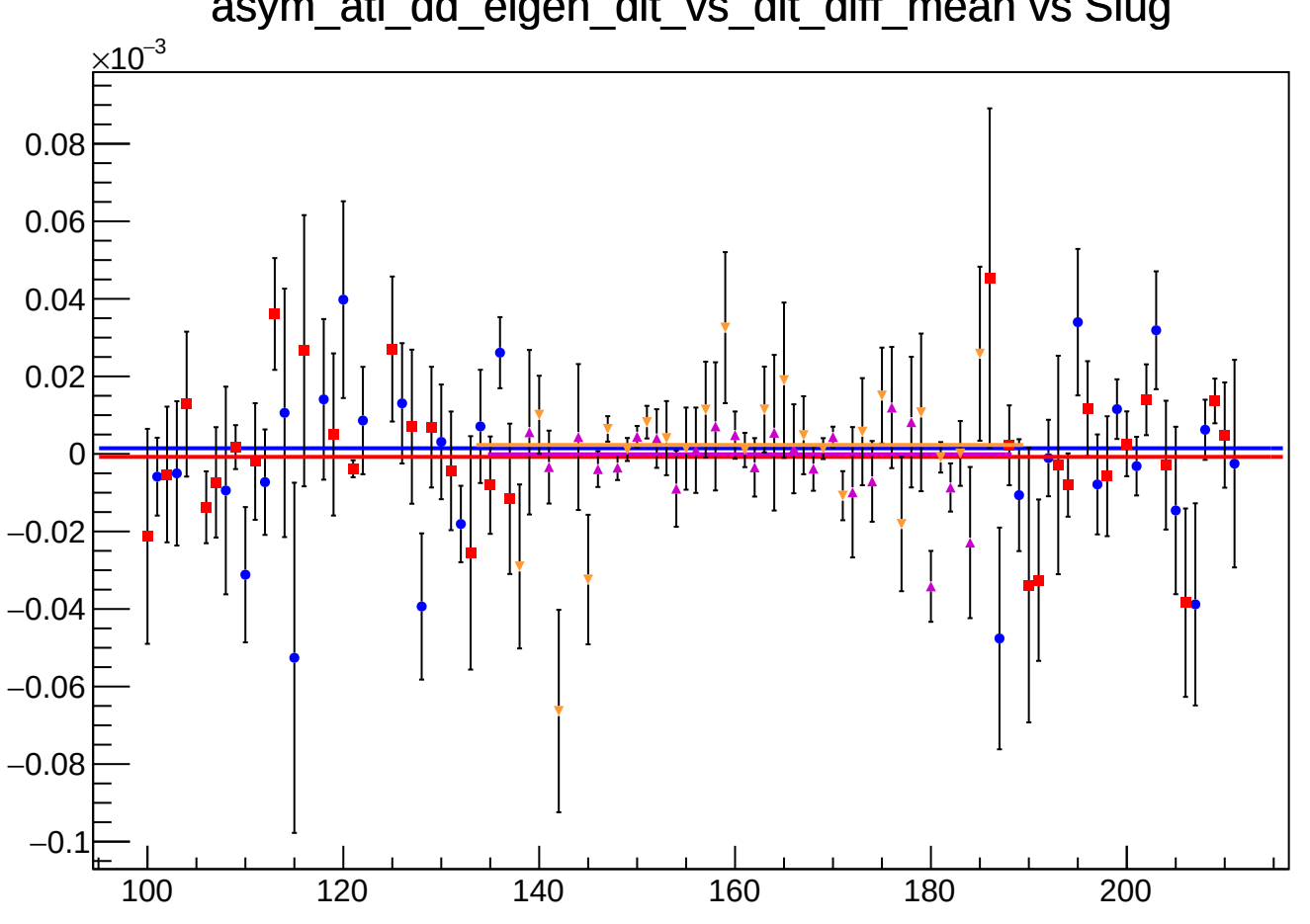
Right Out: 117.665+/-0.022 χ^2/NDF: 5413587.8/32

Left In: 296.875+/-0.054 χ^2/NDF:4917907.0/22

+ sign 157.287+/-0.022 χ^2/NDF: 18590041.3/52

All: 149.893+/-0.015 χ^2/NDF: 38703382.7/10

- sign 143.623+/-0.020 χ^2/NDF: 19907129.3/55



Right In: 0.000+/-0.000 χ^2/NDF: 42.4/27

Left Out: 0.000+/-0.000 χ^2/NDF:31.2/23

Right Out: -0.000+/-0.000 χ^2/NDF: 34.6/31

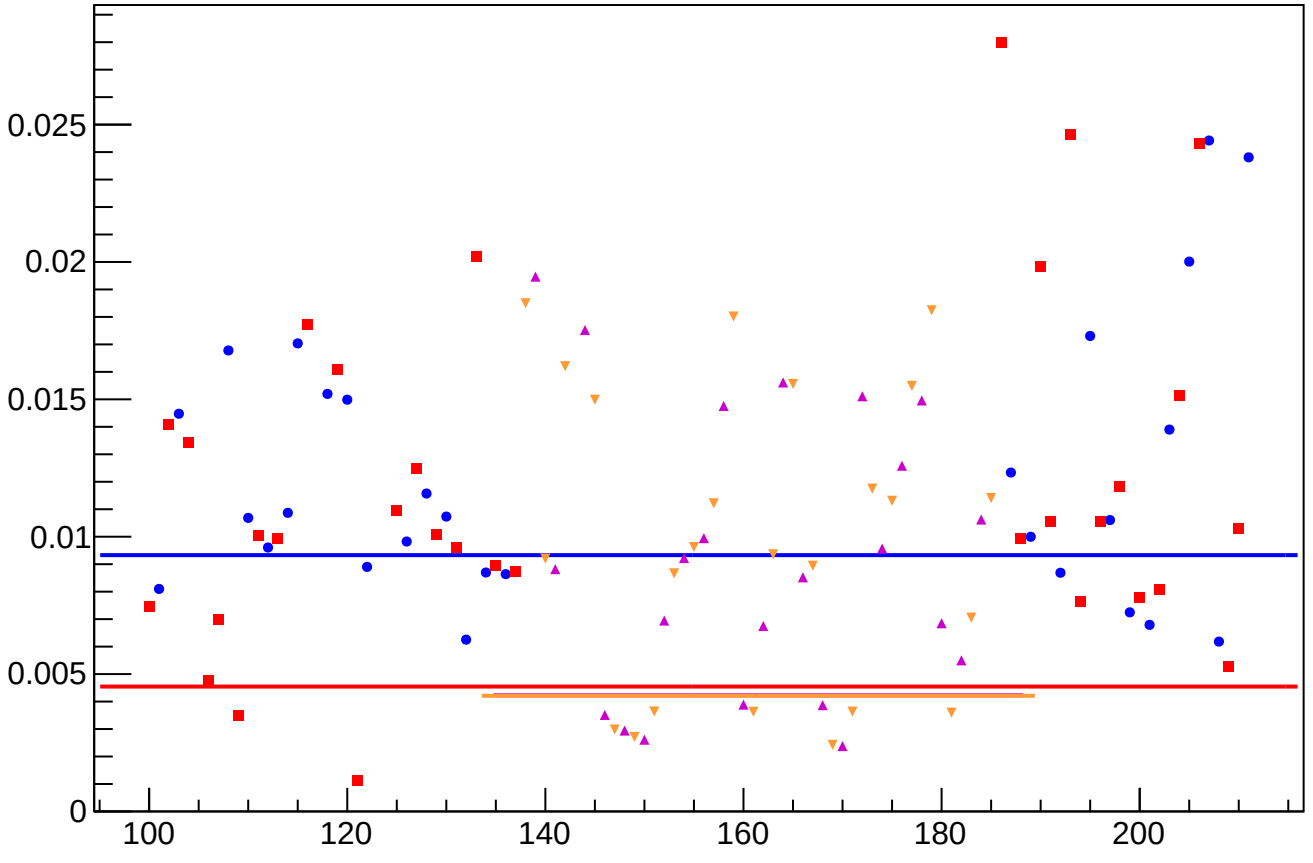
Left In: -0.000+/-0.000 χ^2/NDF:29.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 73.6/51

All: 0.000+/-0.000 χ^2/NDF: 140.2/106

- sign -0.000+/-0.000 χ^2/NDF: 63.8/54

asym_atl_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 3971550.1/27

Left Out: 0.004+/-0.000 χ^2/NDF:12078055.5/23

Right Out: 0.005+/-0.000 χ^2/NDF: 16461190.7/31

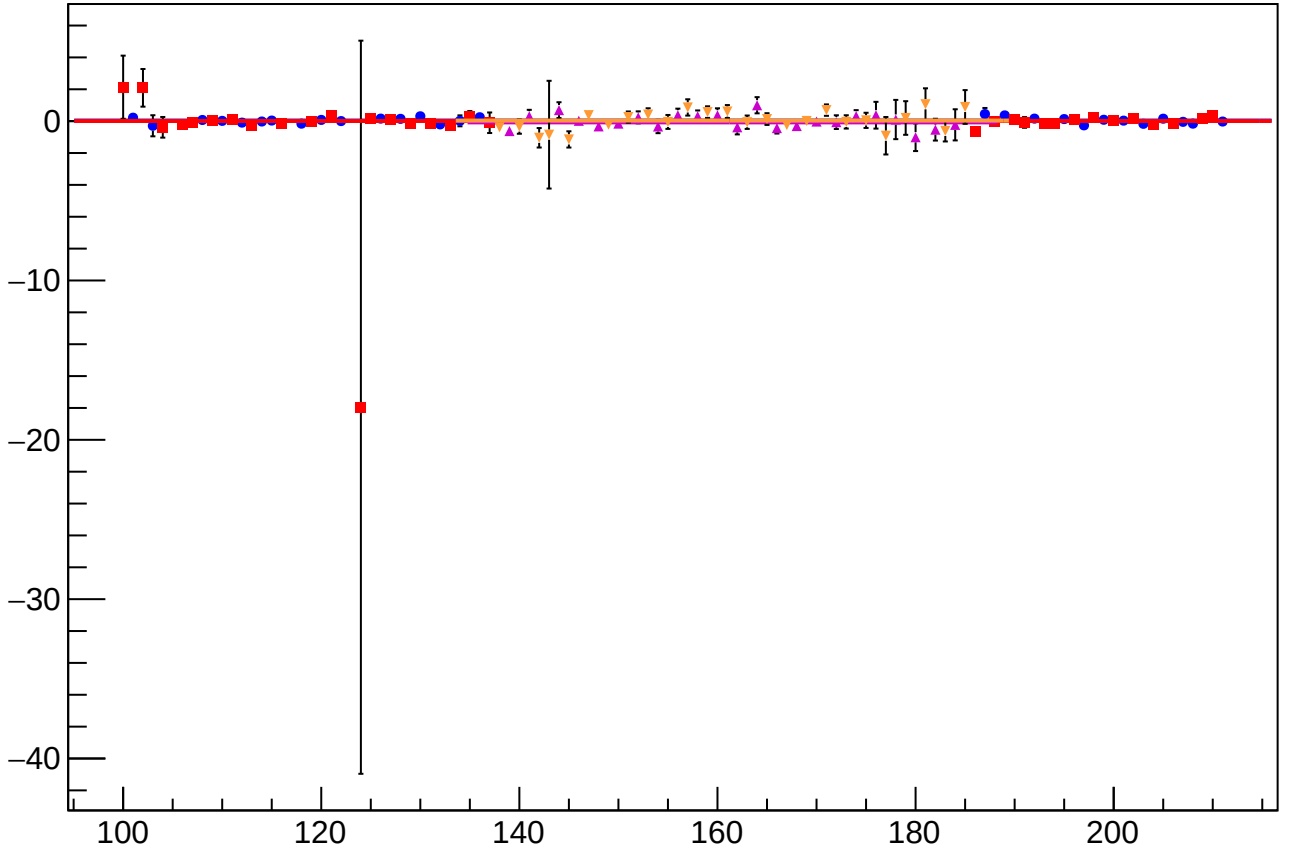
Left In: 0.004+/-0.000 χ^2/NDF:11034220.9/22

+ sign 0.005+/-0.000 χ^2/NDF: 22673577.2/51

All: 0.005+/-0.000 χ^2/NDF: 50888001.5/106

- sign 0.004+/-0.000 χ^2/NDF: 27544641.2/54

asym_atl_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.034+/-0.034 χ^2/NDF: 19.7/27

Left Out: 0.036+/-0.077 χ^2/NDF:29.7/24

Right Out: 0.012+/-0.031 χ^2/NDF: 41.6/32

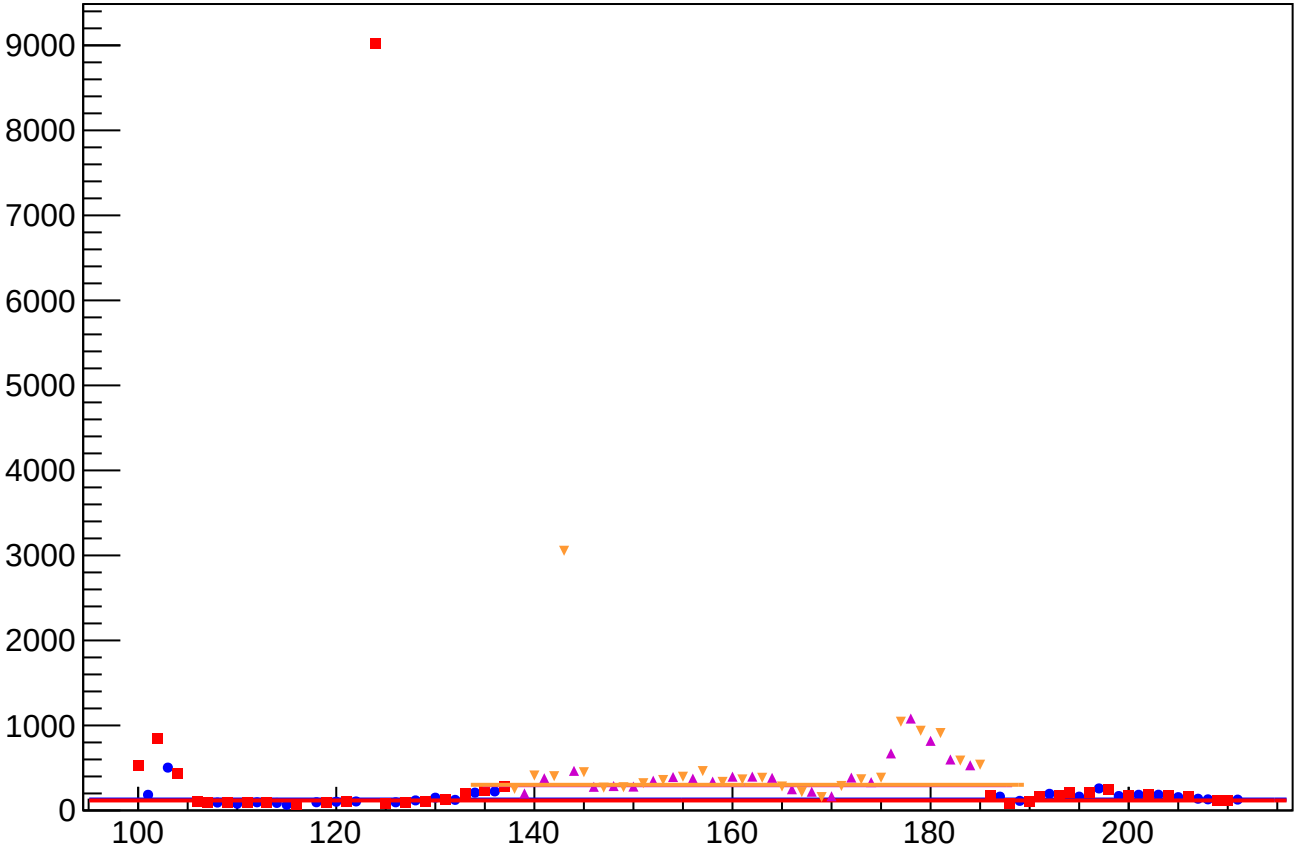
Left In: -0.078+/-0.076 χ^2/NDF:24.1/22

+ sign 0.034+/-0.031 χ^2/NDF: 49.3/52

All: 0.015+/-0.021 χ^2/NDF: 117.0/108

- sign -0.001+/-0.029 χ^2/NDF: 66.9/55

asym_atl_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 128.631+/-0.024 χ^2/NDF: 3446972.5/27

Left Out: 301.737+/-0.054 χ^2/NDF:6693577.7/24

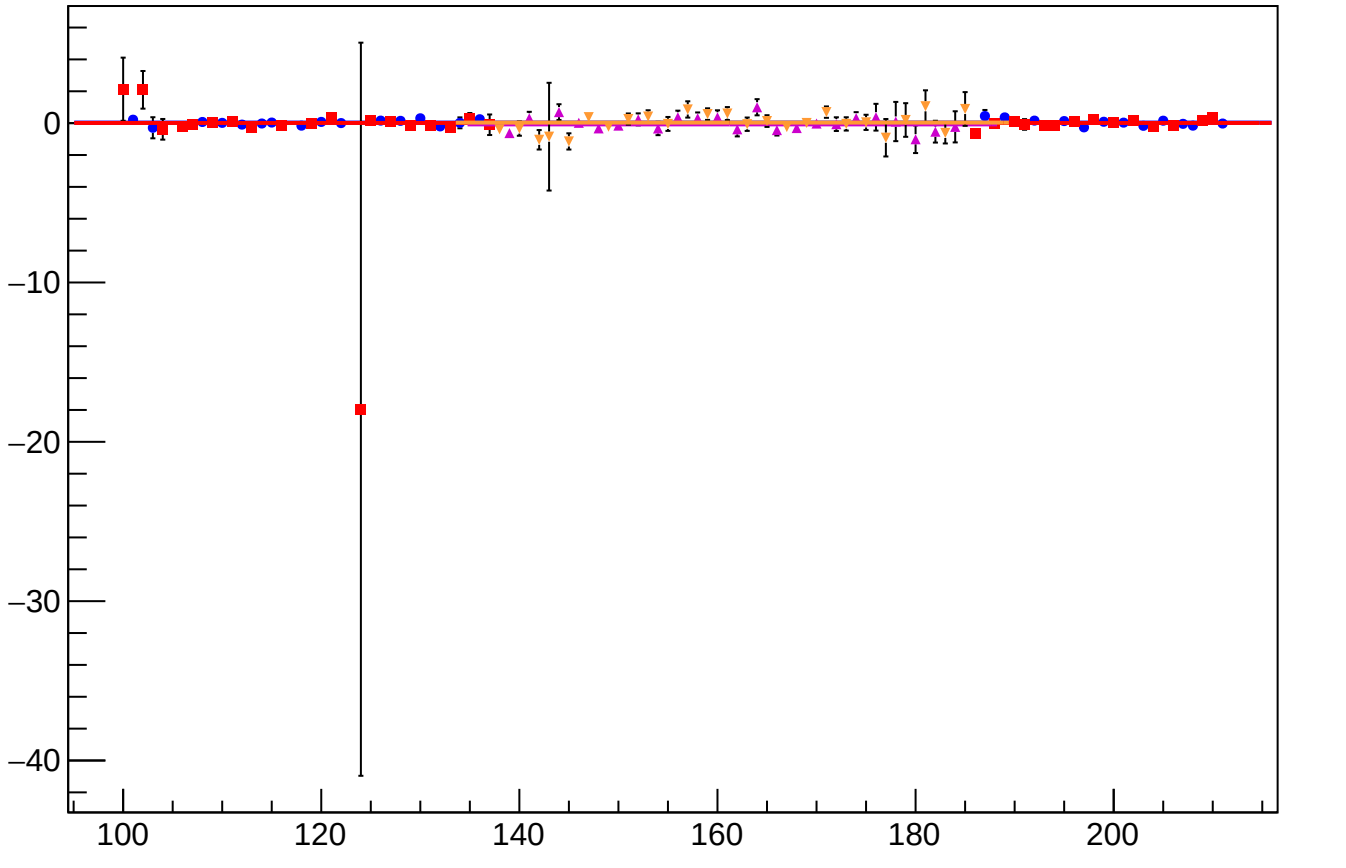
Right Out: 117.666+/-0.022 χ^2/NDF: 5413510.1/32

Left In: 296.878+/-0.054 χ^2/NDF:4917864.1/22

+ sign 157.288+/-0.022 χ^2/NDF: 18590036.5/52

All: 149.894+/-0.015 χ^2/NDF: 38703349.3/10

- sign 143.624+/-0.020 χ^2/NDF: 19907094.9/55



Right In: 0.034+/-0.034 χ^2/NDF: 19.7/27

Left Out: 0.036+/-0.077 χ^2/NDF:29.7/24

Right Out: 0.012+/-0.031 χ^2/NDF: 41.6/32

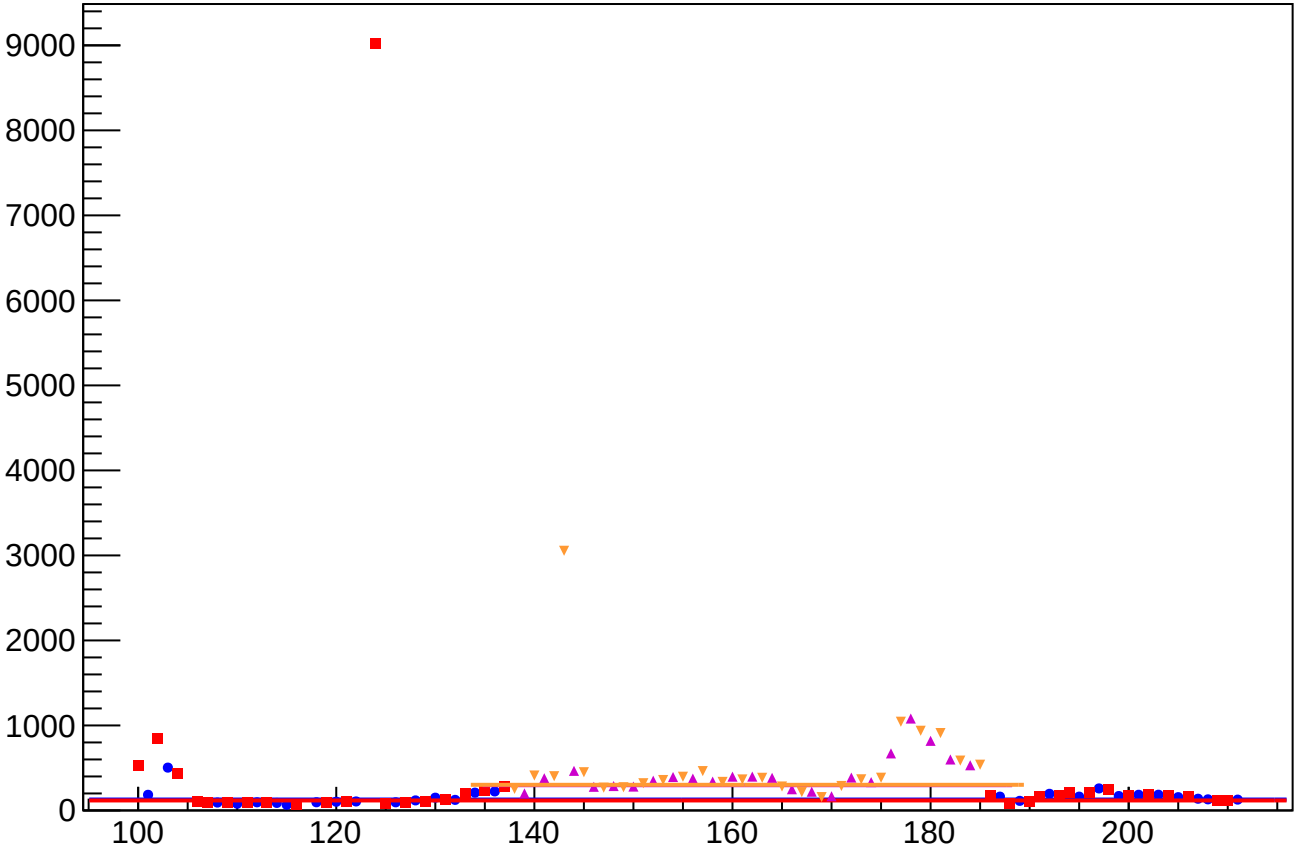
Left In: -0.078+/-0.076 χ^2/NDF:24.1/22

+ sign 0.034+/-0.031 χ^2/NDF: 49.3/52

All: 0.015+/-0.021 χ^2/NDF: 117.0/108

- sign -0.001+/-0.029 χ^2/NDF: 66.9/55

asym_atl_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 128.631+/-0.024 χ^2/NDF: 3446972.5/27

Left Out: 301.737+/-0.054 χ^2/NDF:6693577.7/24

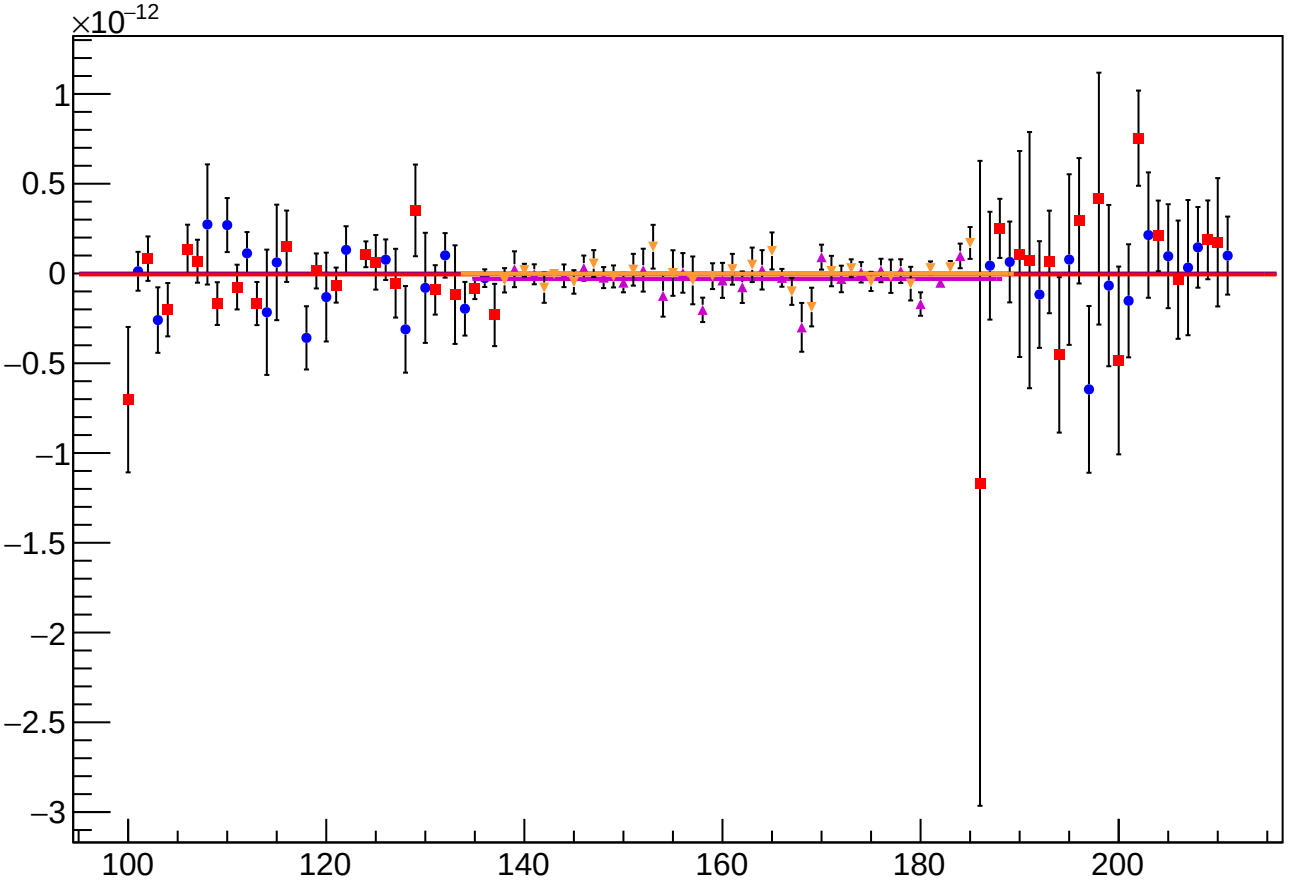
Right Out: 117.666+/-0.022 χ^2/NDF: 5413510.1/32

Left In: 296.878+/-0.054 χ^2/NDF:4917864.1/22

+ sign 157.288+/-0.022 χ^2/NDF: 18590036.5/52

All: 149.894+/-0.015 χ^2/NDF: 38703349.3/10

- sign 143.624+/-0.020 χ^2/NDF: 19907094.9/55



Right In: -0.000+/-0.000 χ^2/NDF: 21.1/27

Left Out: -0.000+/-0.000 χ^2/NDF:17.7/24

Right Out: -0.000+/-0.000 χ^2/NDF: 36.7/32

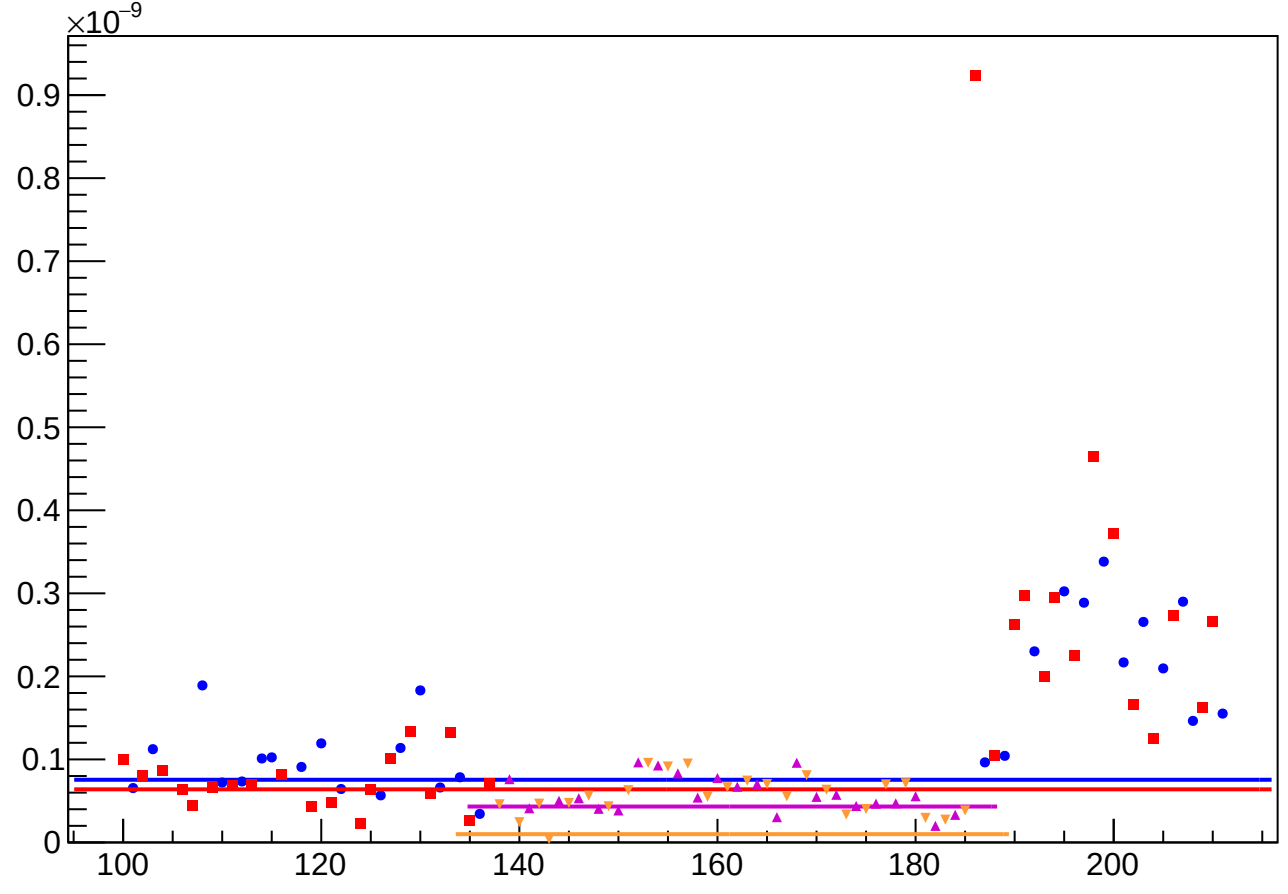
Left In: -0.000+/-0.000 χ^2/NDF:26.4/22

+ sign -0.000+/-0.000 χ^2/NDF: 38.8/52

All: -0.000+/-0.000 χ^2/NDF: 106.2/108

- sign -0.000+/-0.000 χ^2/NDF: 63.9/55

asym_atl_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 6889102.6/27

Left Out: 0.000+/-0.000 χ^2/NDF:18523402.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8304602.9/32

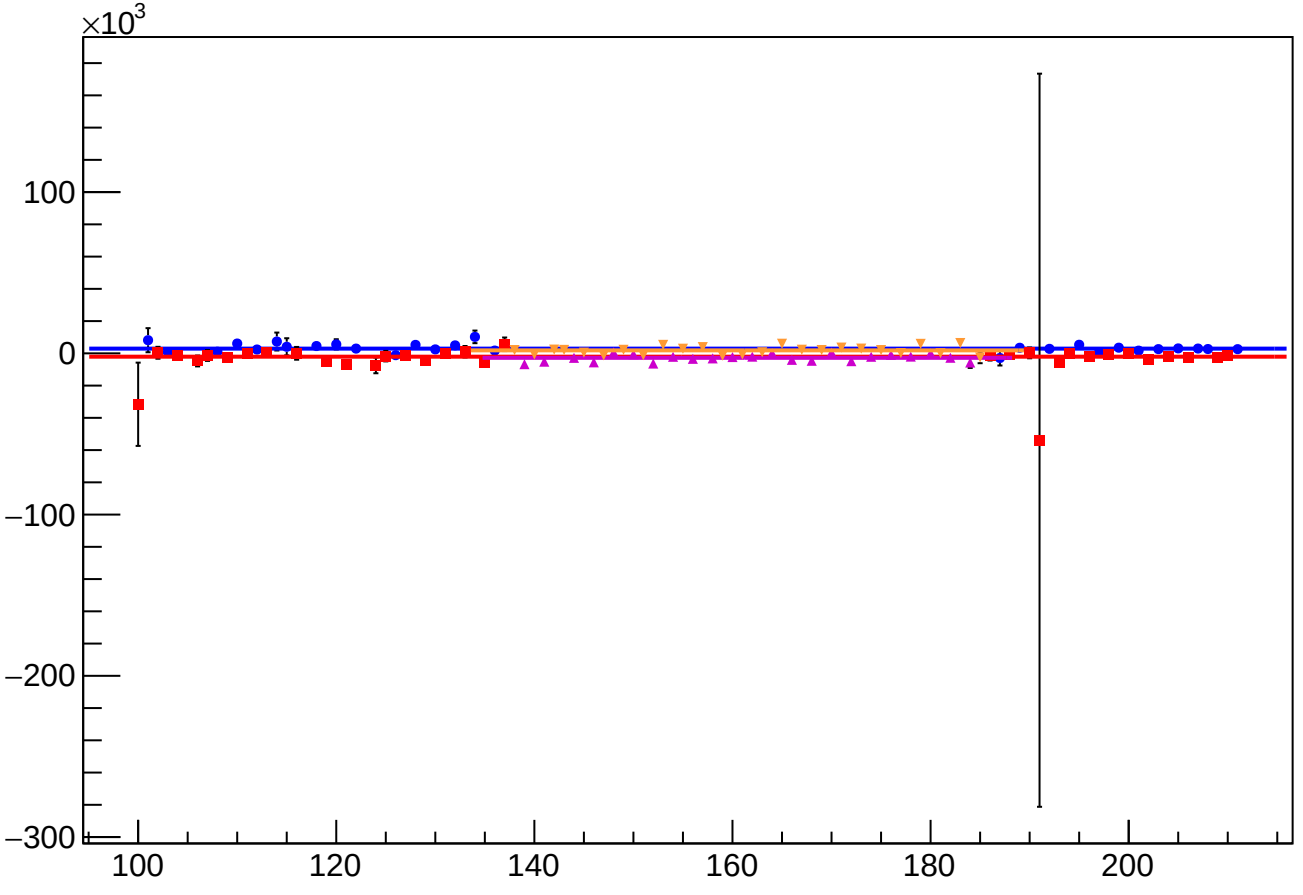
Left In: 0.000+/-0.000 χ^2/NDF:4049081.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 34794928.1/52

All: 0.000+/-0.000 χ^2/NDF: 63600626.0/108

- sign 0.000+/-0.000 χ^2/NDF: 13373351.8/55

reg_asym_atr_avg_mean vs Slug



Right In: 2929.784+/-481.793 χ^2/NDF: 16.4/27

Left Out: 1851.999+/-420.006 χ^2/NDF:31.5/24

Right Out: -2067.242+/-465.084 χ^2/NDF: 22.7/32

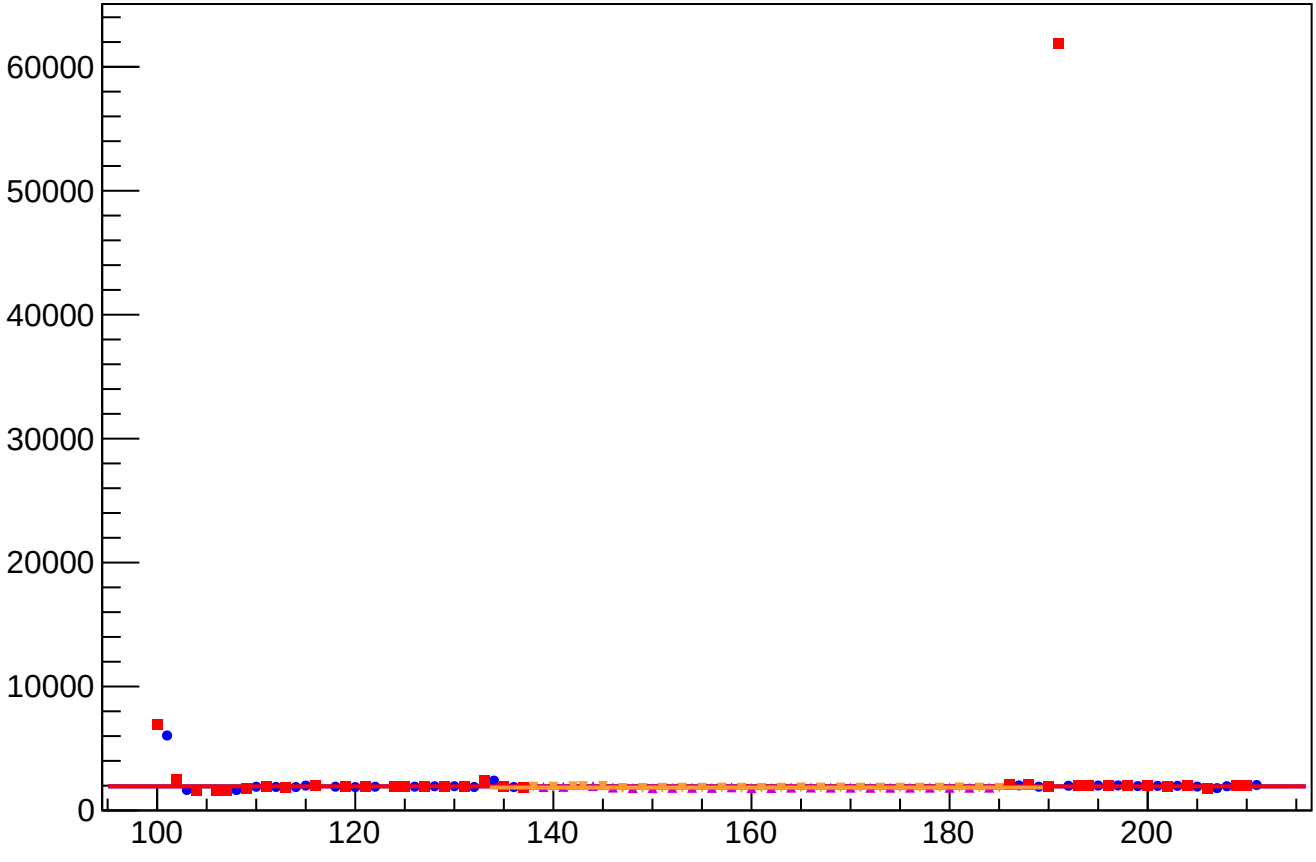
Left In: -2775.769+/-430.870 χ^2/NDF:25.4/22

+ sign 2317.392+/-316.595 χ^2/NDF: 50.7/52

All: -69.483+/-223.683 χ^2/NDF: 213.6/108

- sign -2448.523+/-316.075 χ^2/NDF: 49.4/55

reg_asym_atr_avg_rms vs Slug



Right In: 1943.517+/-0.341 χ^2/NDF: 722777.9/27

Left Out: 1848.522+/-0.297 χ^2/NDF:20886.6/24

Right Out: 1944.164+/-0.328 χ^2/NDF: 422045.5/32

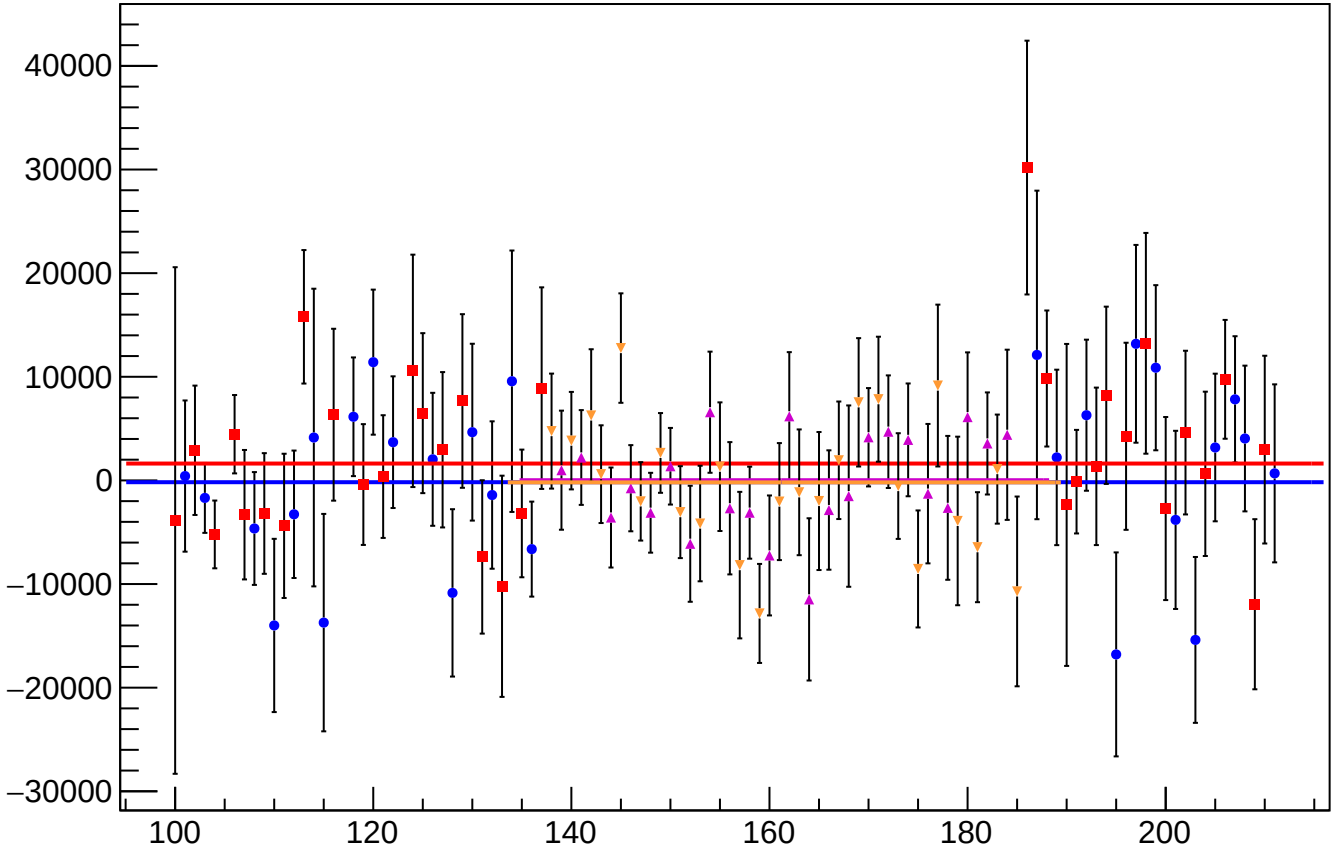
Left In: 1845.061+/-0.305 χ^2/NDF:14026.0/22

+ sign 1889.541+/-0.224 χ^2/NDF: 787842.8/52

All: 1890.226+/-0.158 χ^2/NDF: 1272880.4/10

- sign 1890.907+/-0.223 χ^2/NDF: 485019.0/55

asym_atr_avg_reg_correction_mean vs Slug



Right In: -172.836+/-1311.684 χ^2/NDF: 29.1/27

Left Out: -189.458+/-1088.618 χ^2/NDF:28.9/24

Right Out: 1627.385+/-1184.868 χ^2/NDF: 32.1/32

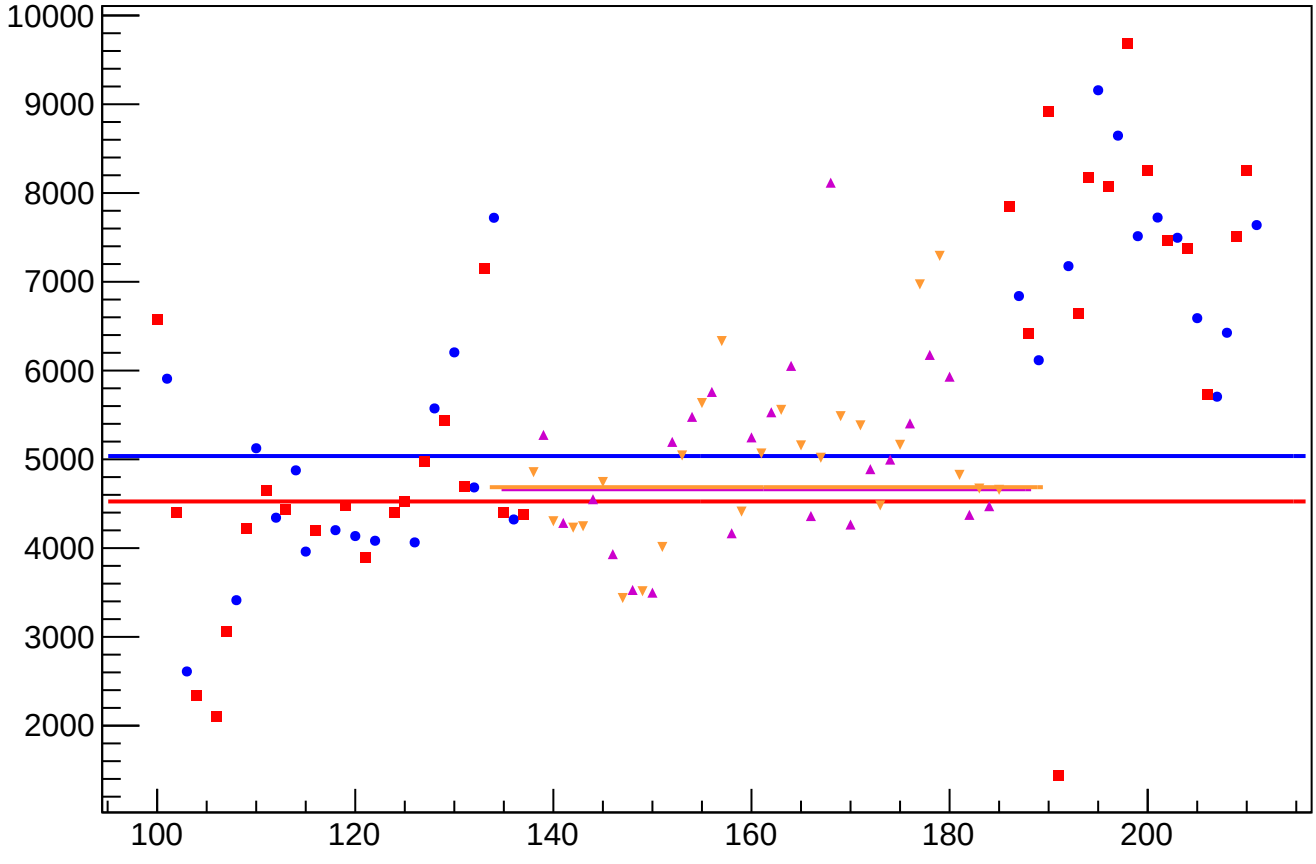
Left In: 19.391+/-1112.574 χ^2/NDF:13.7/22

+ sign -182.678+/-837.696 χ^2/NDF: 58.0/52

All: 310.512+/-582.696 χ^2/NDF: 105.5/108

- sign 772.839+/-811.063 χ^2/NDF: 46.8/55

asym_atr_avg_reg_correction_rms vs Slug



Right In: 5037.144+/-0.928 χ^2/NDF: 3471034.2/27

Left Out: 4686.353+/-0.770 χ^2/NDF:1185063.7/24

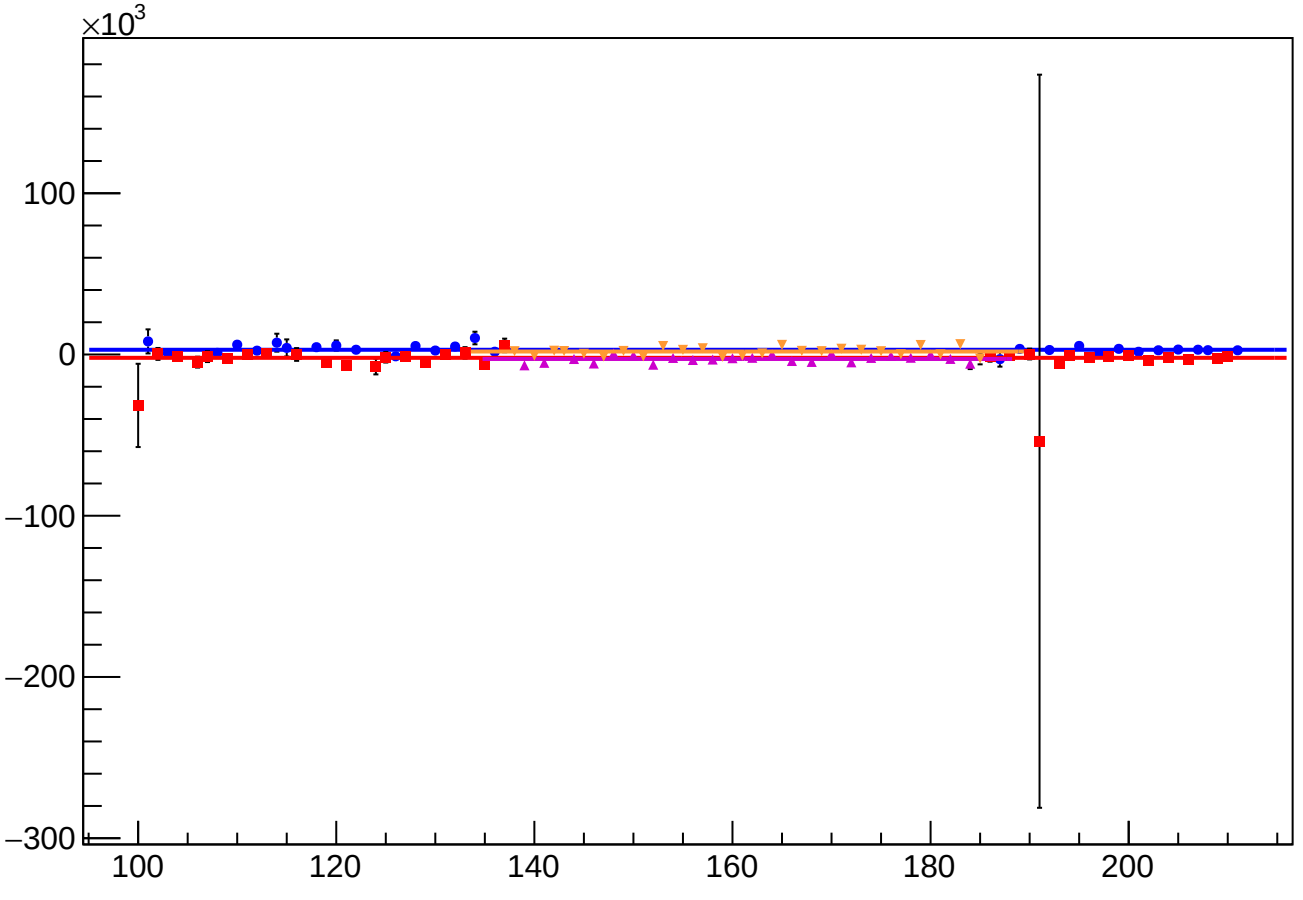
Right Out: 4525.537+/-0.838 χ^2/NDF: 6144205.8/32

Left In: 4663.272+/-0.787 χ^2/NDF:1286726.4/22

+ sign 4829.428+/-0.592 χ^2/NDF: 4740799.2/52

All: 4710.355+/-0.412 χ^2/NDF: 12264383.4/1

- sign 4598.734+/-0.574 χ^2/NDF: 7445294.5/55



Right In: 2929.520+/-481.793 χ^2/NDF: 16.3/27

Left Out: 1851.888+/-420.006 χ^2/NDF:31.5/24

Right Out: -2067.740+/-465.085 χ^2/NDF: 22.7/32

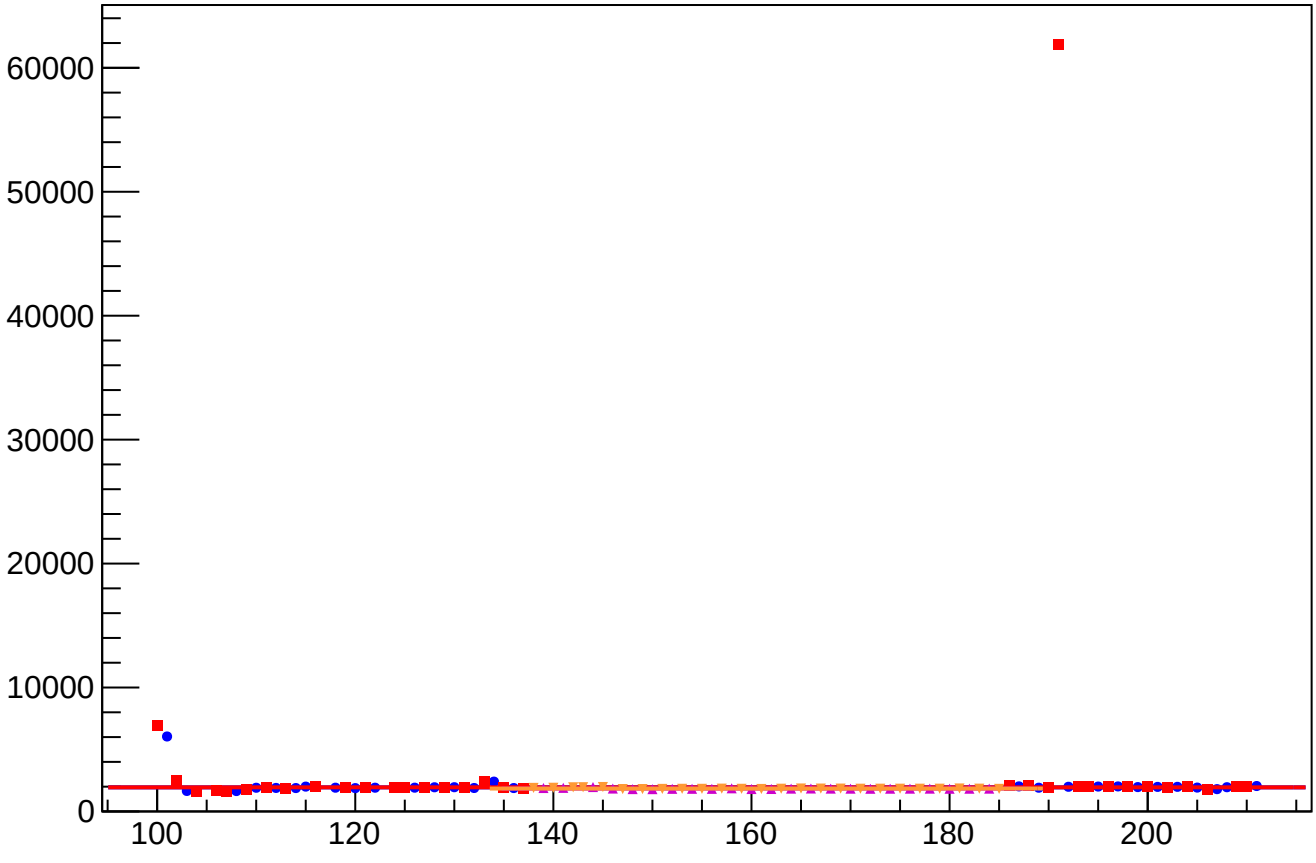
Left In: -2775.745+/-430.870 χ^2/NDF:25.4/22

+ sign 2317.215+/-316.595 χ^2/NDF: 50.7/52

All: -69.678+/-223.683 χ^2/NDF: 213.6/108

- sign -2448.741+/-316.076 χ^2/NDF: 49.4/55

cor_asym_atr_avg_rms vs Slug



Right In: 1943.517+/-0.341 χ^2/NDF: 722777.0/27

Left Out: 1848.522+/-0.297 χ^2/NDF:20886.6/24

Right Out: 1945.960+/-0.329 χ^2/NDF: 413872.7/32

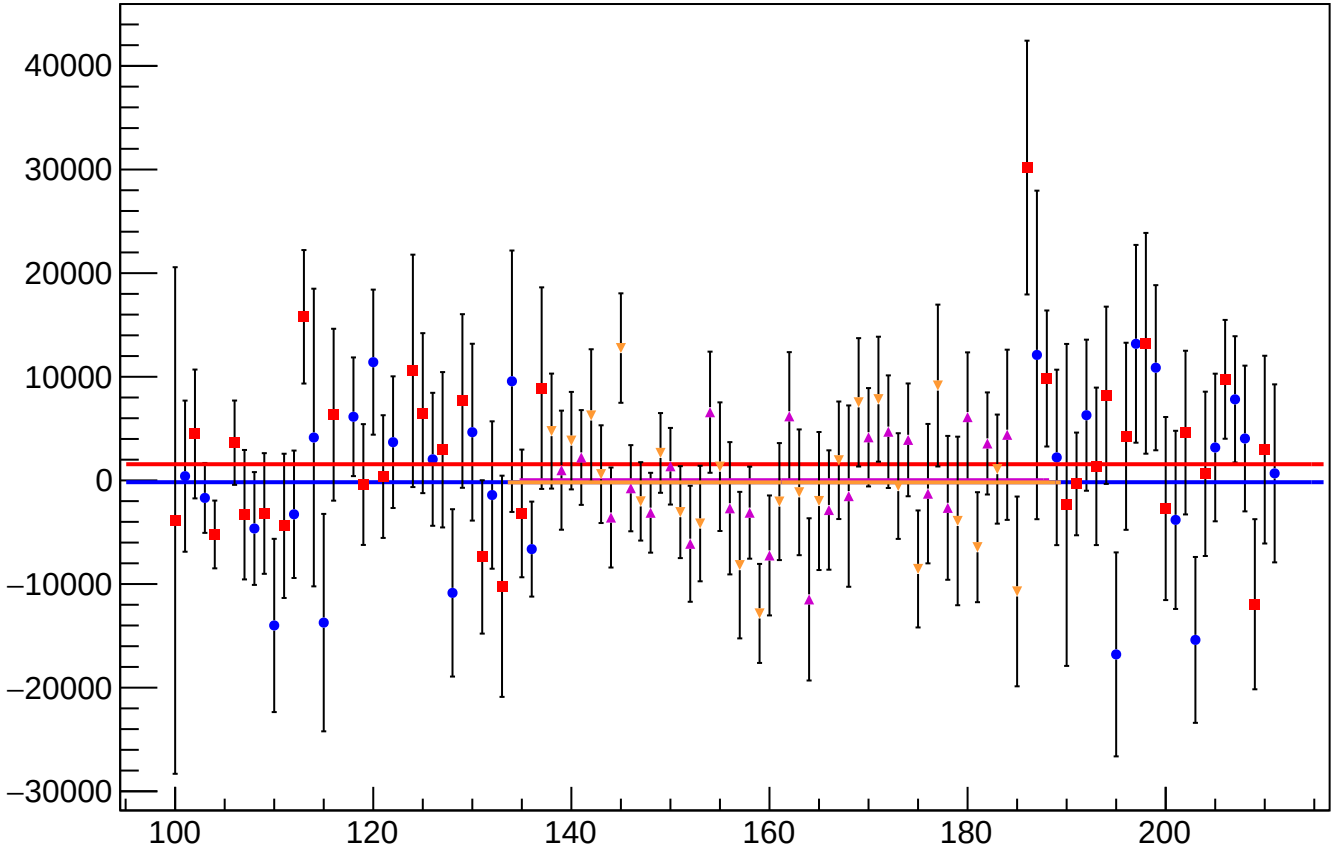
Left In: 1845.061+/-0.305 χ^2/NDF:14026.0/22

+ sign 1889.541+/-0.224 χ^2/NDF: 787842.0/52

All: 1890.621+/-0.158 χ^2/NDF: 1266480.0/10

- sign 1891.697+/-0.223 χ^2/NDF: 478591.5/55

asym_atr_avg_cor_correction_mean vs Slug



Right In: -173.039+/-1311.686 χ^2/NDF: 29.1/27

Left Out: -189.487+/-1088.617 χ^2/NDF:28.9/24

Right Out: 1562.431+/-1192.144 χ^2/NDF: 32.0/32

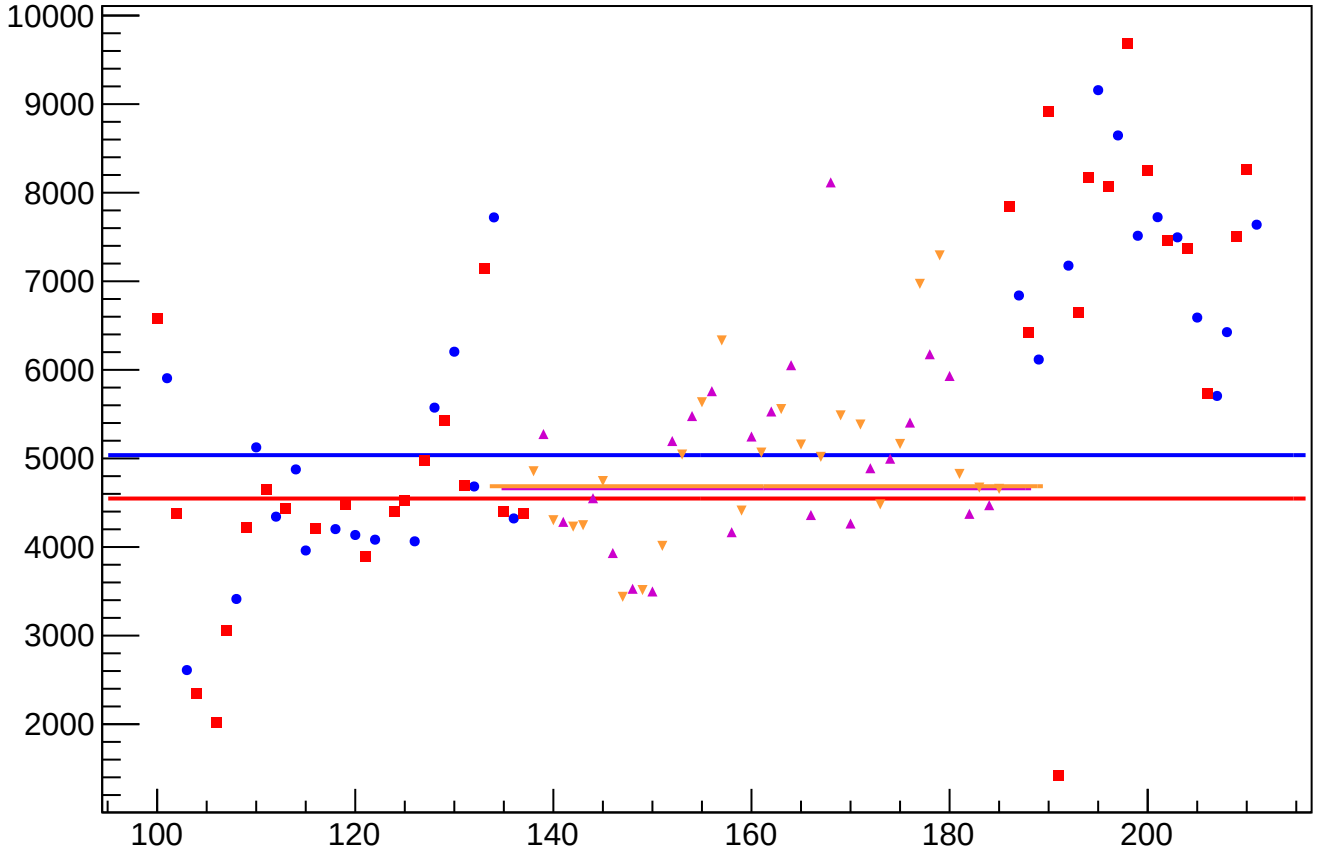
Left In: 19.431+/-1112.574 χ^2/NDF:13.7/22

+ sign -182.779+/-837.696 χ^2/NDF: 58.0/52

All: 291.023+/-583.556 χ^2/NDF: 105.2/108

- sign 737.722+/-813.385 χ^2/NDF: 46.6/55

asym_atr_avg_cor_correction_rms vs Slug



Right In: 5037.210+/-0.928 χ^2/NDF: 3470397.8/27

Left Out: 4686.346+/-0.770 χ^2/NDF:1185089.0/24

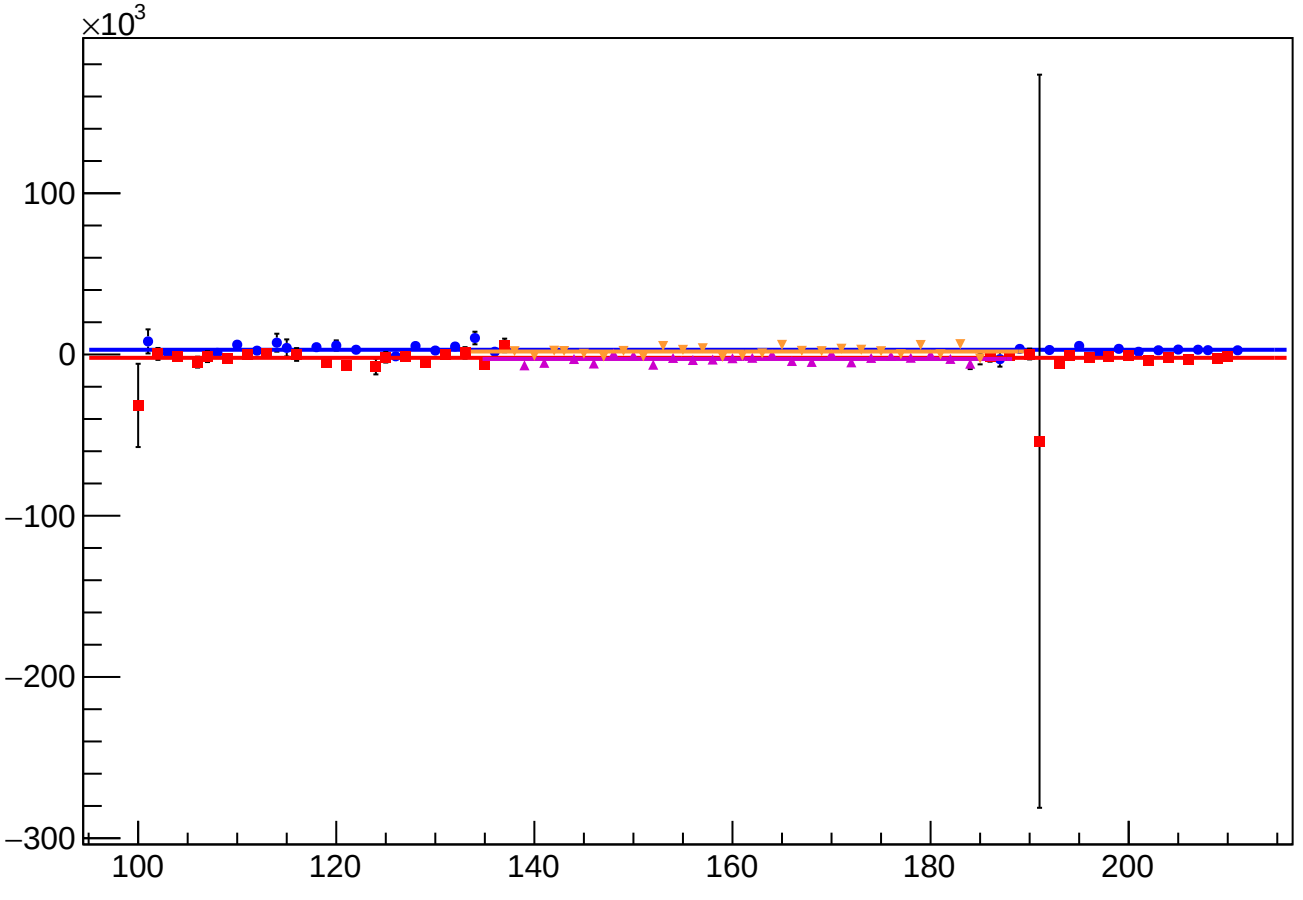
Right Out: 4547.416+/-0.843 χ^2/NDF: 6096594.1/32

Left In: 4663.273+/-0.787 χ^2/NDF:1286722.8/22

+ sign 4829.450+/-0.592 χ^2/NDF: 4740223.3/52

All: 4716.154+/-0.413 χ^2/NDF: 12204710.2/1

- sign 4609.340+/-0.575 χ^2/NDF: 7393413.1/55



Right In: 2929.520+/-481.793 χ^2/NDF: 16.3/27

Left Out: 1851.888+/-420.006 χ^2/NDF:31.5/24

Right Out: -2067.740+/-465.085 χ^2/NDF: 22.7/32

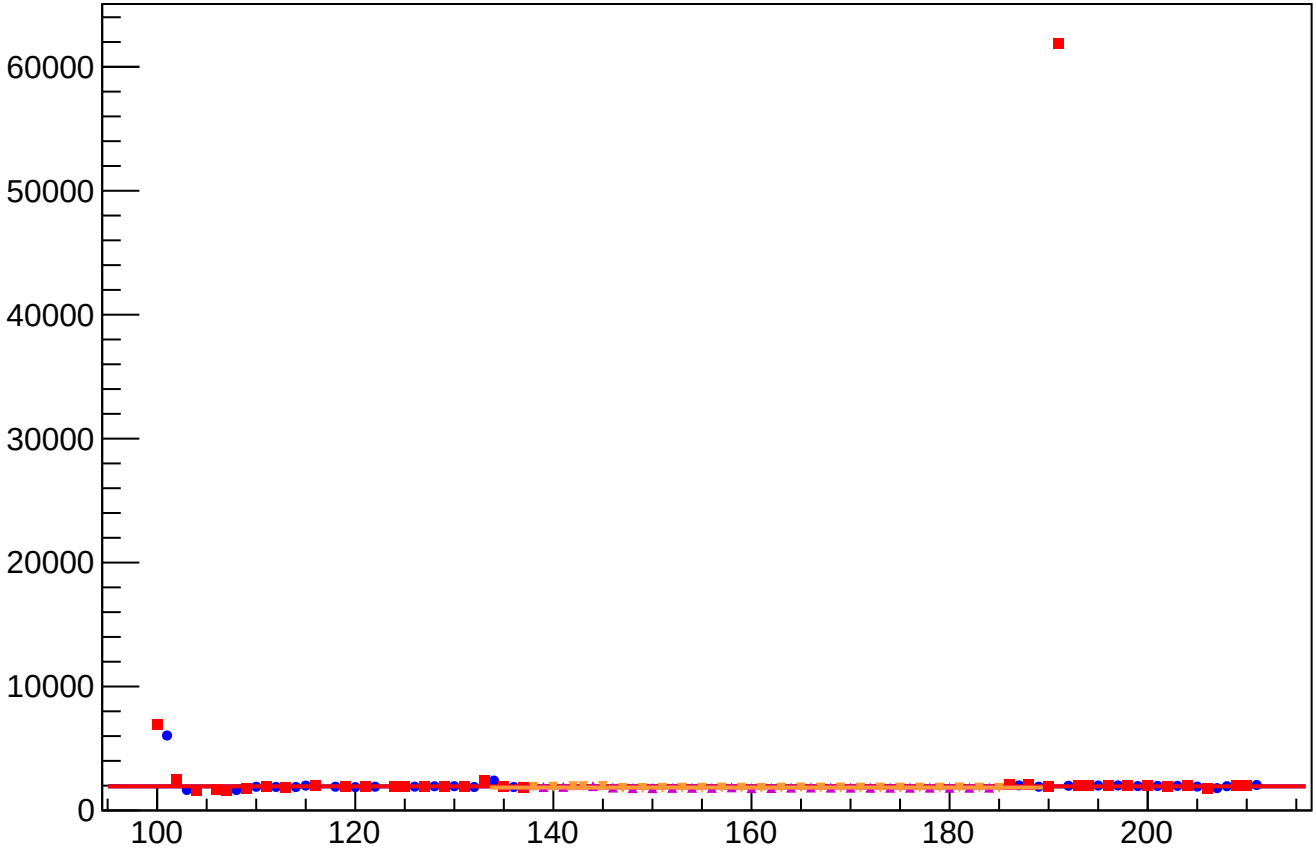
Left In: -2775.745+/-430.870 χ^2/NDF:25.4/22

+ sign 2317.215+/-316.595 χ^2/NDF: 50.7/52

All: -69.678+/-223.683 χ^2/NDF: 213.6/108

- sign -2448.741+/-316.076 χ^2/NDF: 49.4/55

eigen_cor_asym_atr_avg_rms vs Slug



Right In: 1943.517+/-0.341 χ^2/NDF: 722777.0/27

Left Out: 1848.522+/-0.297 χ^2/NDF:20886.6/24

Right Out: 1945.960+/-0.329 χ^2/NDF: 413872.7/32

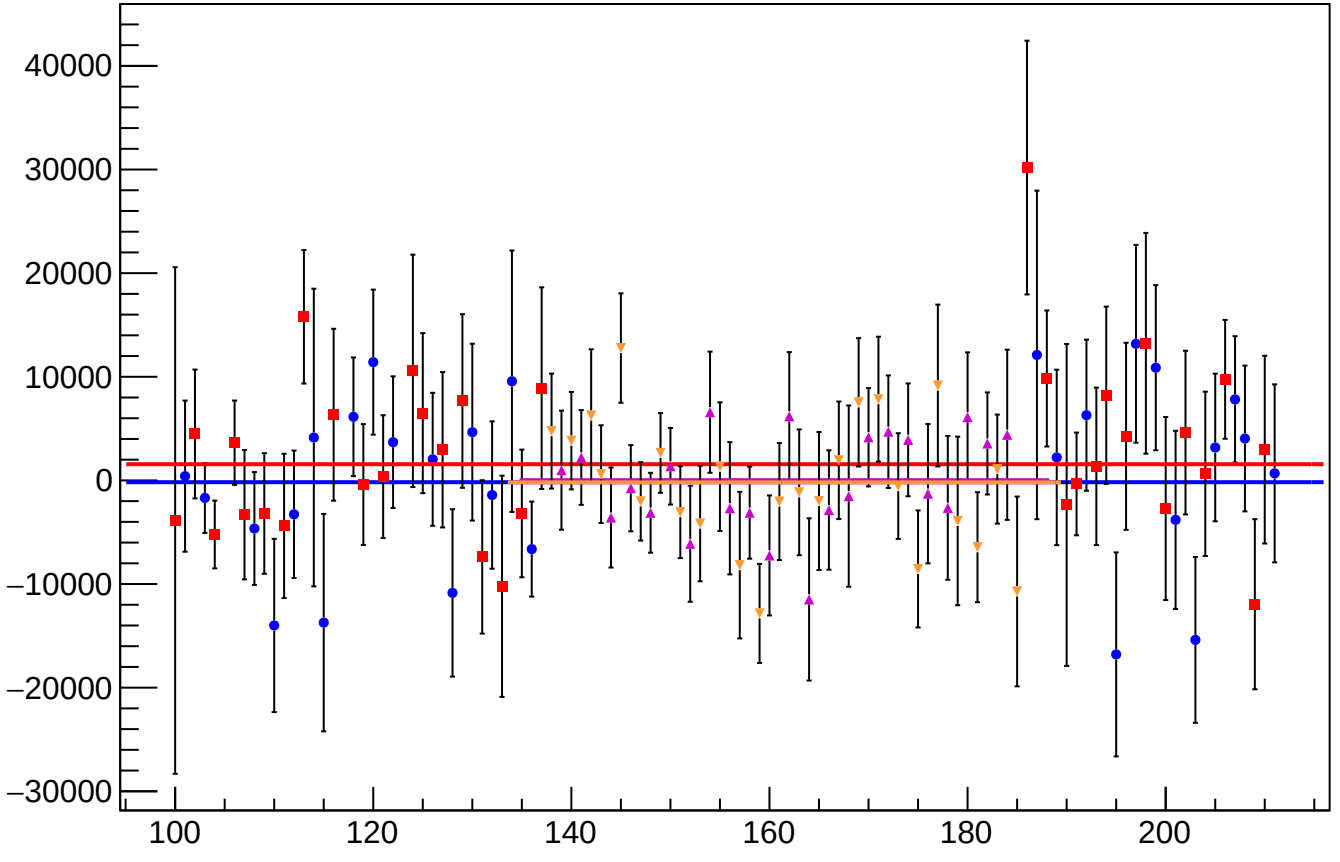
Left In: 1845.061+/-0.305 χ^2/NDF:14026.0/22

+ sign 1889.541+/-0.224 χ^2/NDF: 787842.0/52

All: 1890.621+/-0.158 χ^2/NDF: 1266480.0/10

- sign 1891.697+/-0.223 χ^2/NDF: 478591.5/55

asym_atr_avg_eigen_cor_correction_mean vs Slug



Right In: -173.039+/-1311.686 χ^2/NDF: 29.1/27

Left Out: -189.487+/-1088.617 χ^2/NDF:28.9/24

Right Out: 1562.431+/-1192.144 χ^2/NDF: 32.0/32

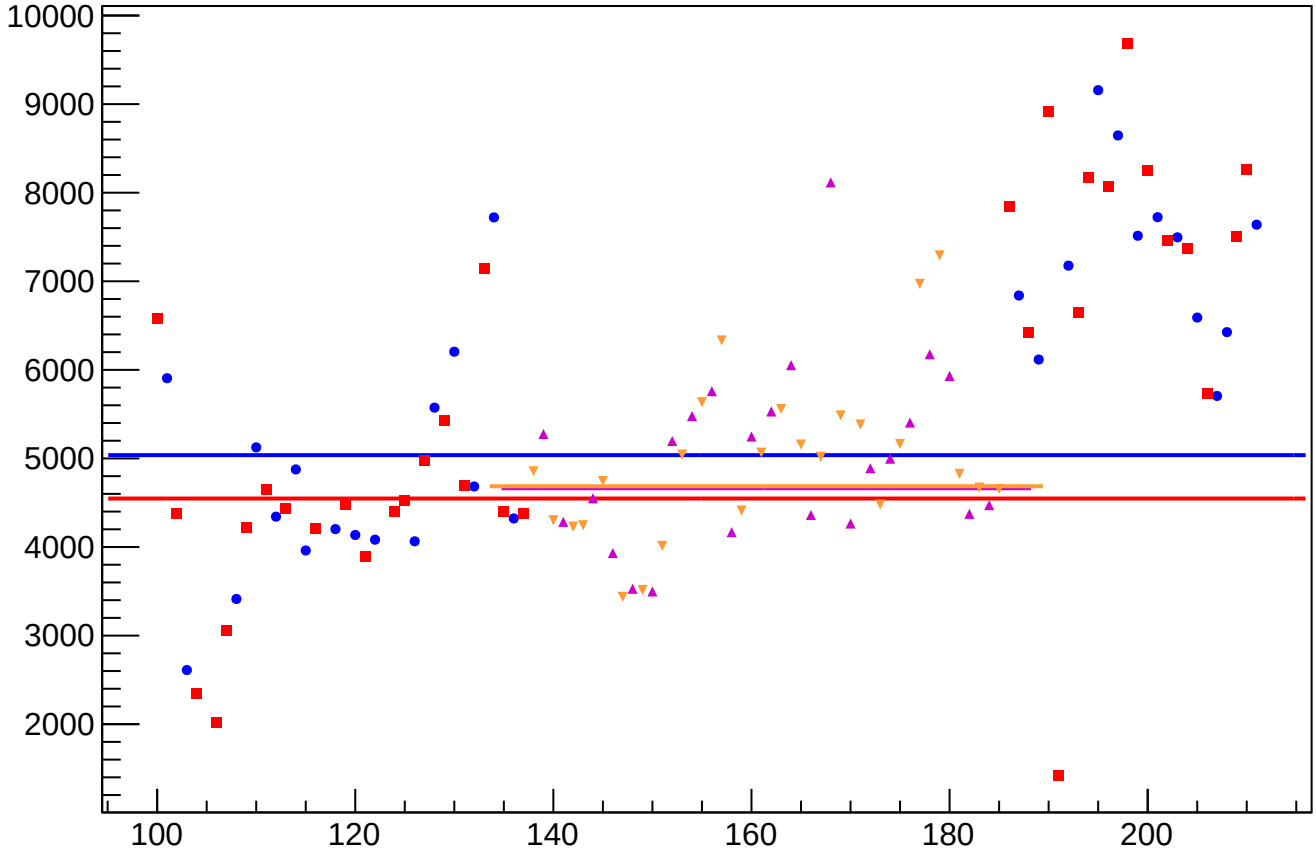
Left In: 19.431+/-1112.574 χ^2/NDF:13.7/22

+ sign -182.779+/-837.696 χ^2/NDF: 58.0/52

All: 291.023+/-583.556 χ^2/NDF: 105.2/108

- sign 737.722+/-813.385 χ^2/NDF: 46.6/55

asym_atr_avg_eigen_cor_correction_rms vs Slug



Right In: 5037.210+/-0.928 χ^2/NDF: 3470397.8/27

Left Out: 4686.346+/-0.770 χ^2/NDF:1185089.0/24

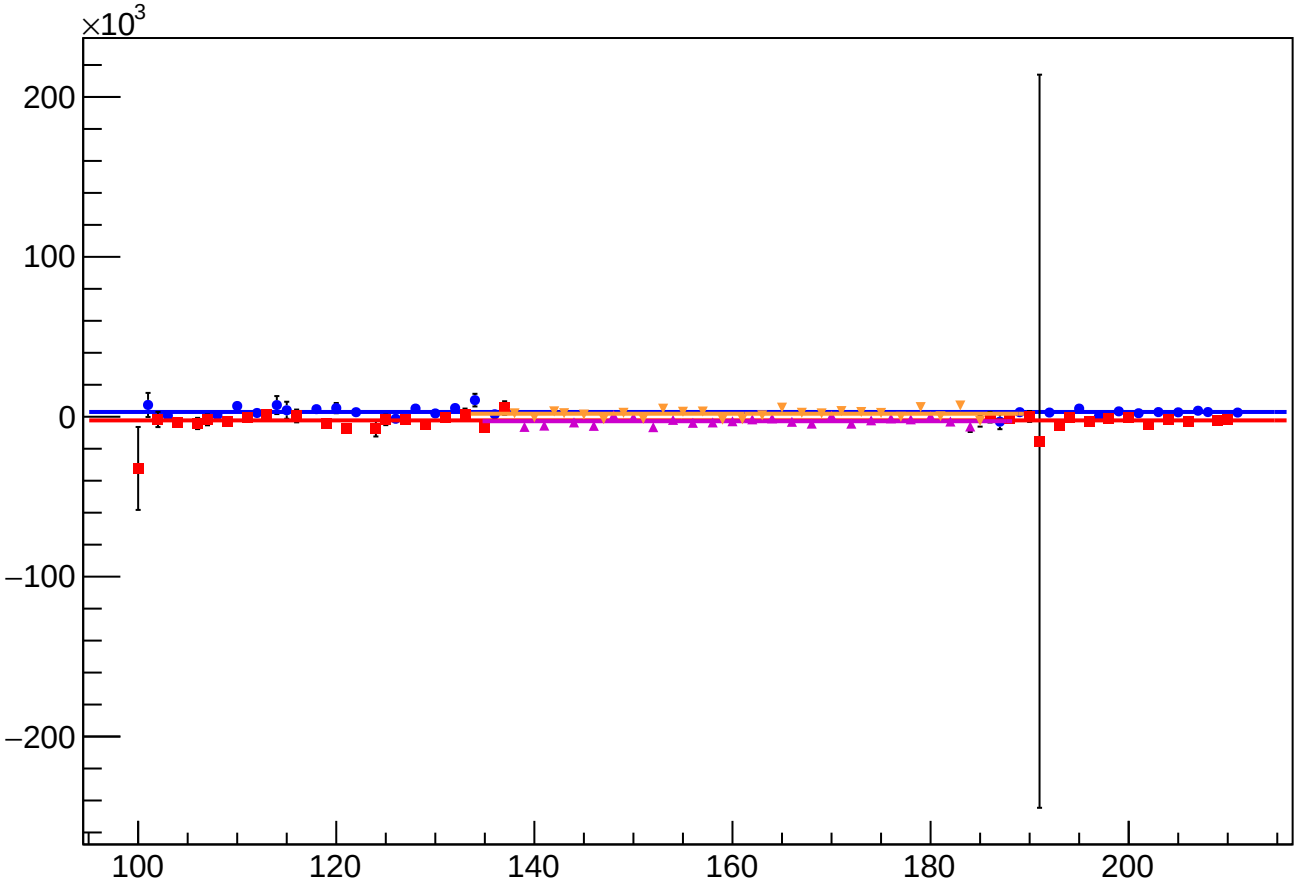
Right Out: 4547.416+/-0.843 χ^2/NDF: 6096594.1/32

Left In: 4663.273+/-0.787 χ^2/NDF:1286722.8/22

+ sign 4829.450+/-0.592 χ^2/NDF: 4740223.3/52

All: 4716.154+/-0.413 χ^2/NDF: 12204710.2/1

- sign 4609.340+/-0.575 χ^2/NDF: 7393413.1/55



Right In: 2991.764+/-491.455 χ^2/NDF: 16.7/27

Left Out: 1880.927+/-428.980 χ^2/NDF:32.9/24

Right Out: -2277.144+/-475.479 χ^2/NDF: 23.5/32

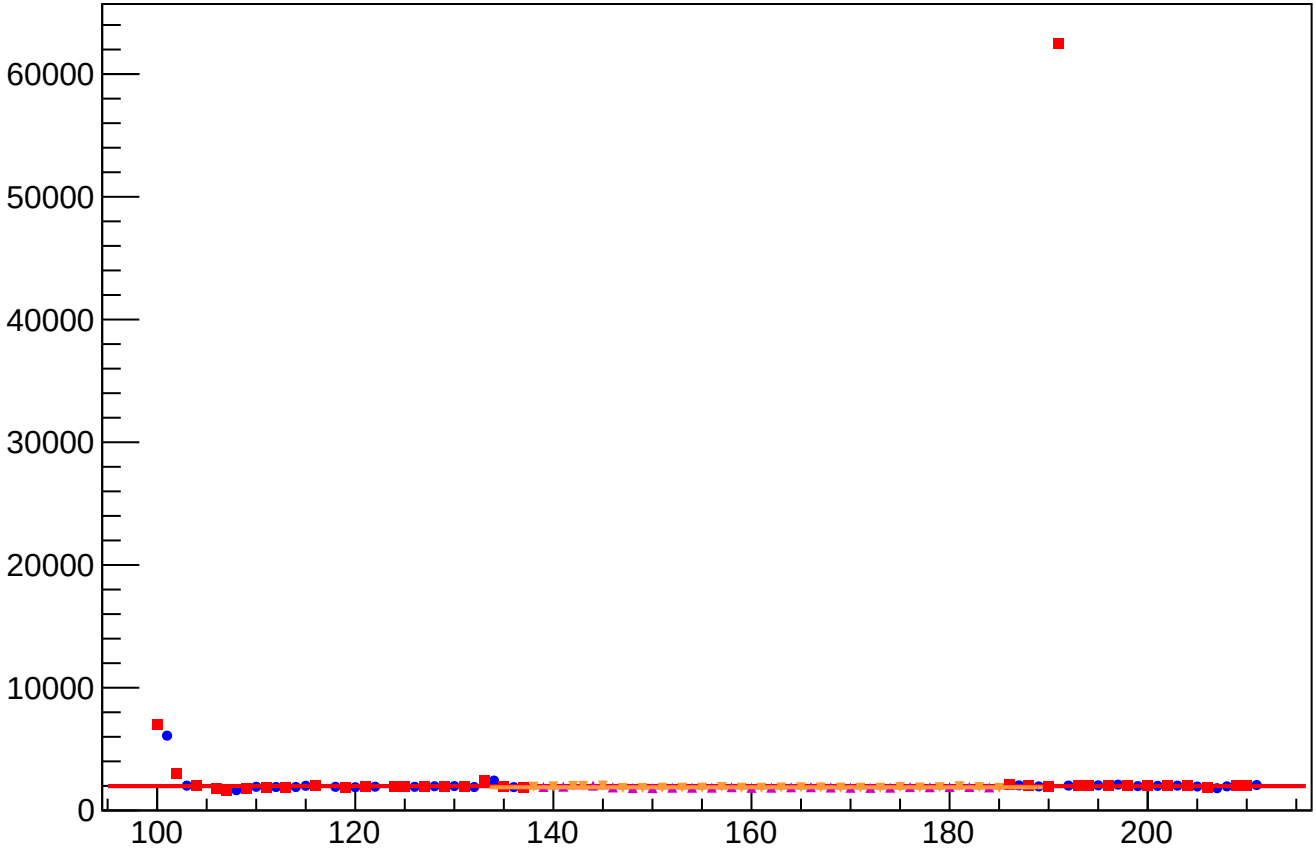
Left In: -2798.435+/-439.234 χ^2/NDF:25.4/22

+ sign 2361.293+/-323.180 χ^2/NDF: 52.6/52

All: -102.683+/-228.331 χ^2/NDF: 218.2/108

- sign -2558.413+/-322.639 χ^2/NDF: 49.6/55

dit_asym_atr_avg_rms vs Slug



Right In: 1983.118+/-0.348 χ^2/NDF: 693308.1/27

Left Out: 1887.545+/-0.303 χ^2/NDF:31955.7/24

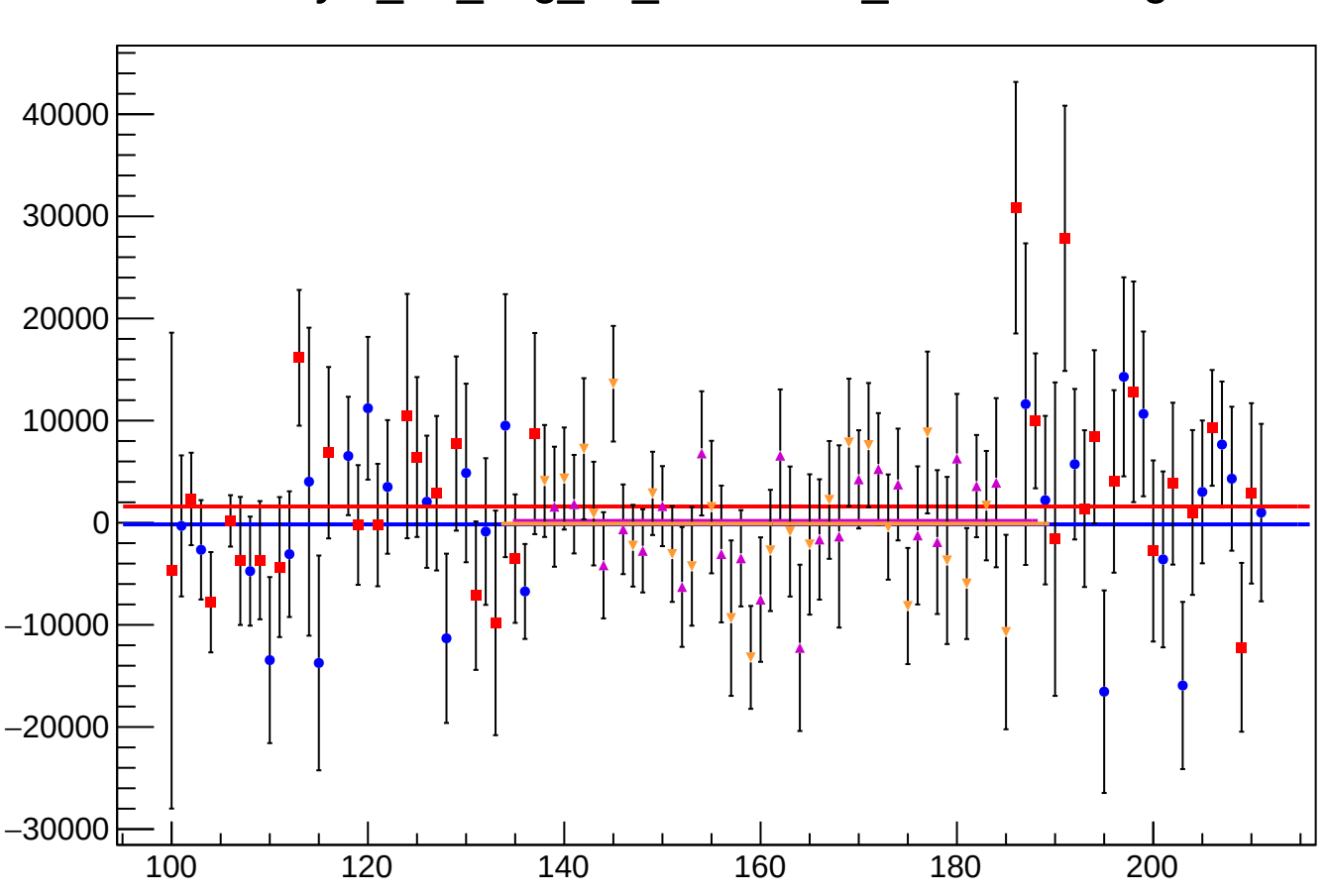
Right Out: 1985.632+/-0.336 χ^2/NDF: 435033.0/32

Left In: 1880.575+/-0.311 χ^2/NDF:19037.6/22

+ sign 1928.874+/-0.229 χ^2/NDF: 768192.1/52

All: 1928.920+/-0.161 χ^2/NDF: 1274965.3/10

- sign 1928.966+/-0.228 χ^2/NDF: 506773.1/55



Right In: -160.718+/-1371.225 χ^2/NDF: 28.9/27

Left Out: -91.889+/-1133.233 χ^2/NDF:28.1/24

Right Out: 1589.191+/-1168.783 χ^2/NDF: 35.1/32

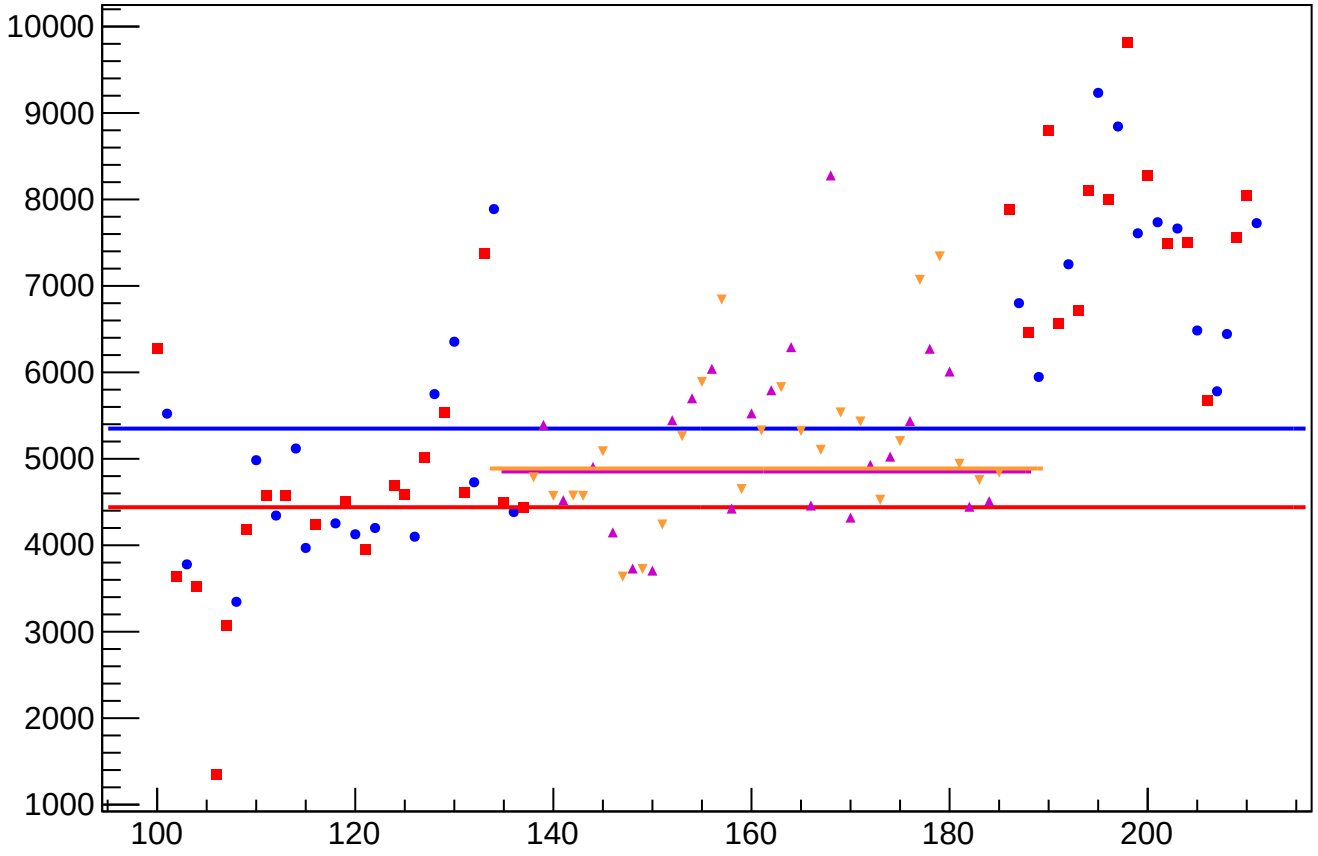
Left In: 177.137+/-1156.061 χ^2/NDF:13.5/22

+ sign -119.822+/-873.529 χ^2/NDF: 57.0/52

All: 408.075+/-598.599 χ^2/NDF: 107.0/108

- sign 875.437+/-821.919 χ^2/NDF: 49.4/55

asym_atr_avg_dit_correction_rms vs Slug



Right In: 5349.559+/-0.970 χ^2/NDF: 2518007.3/27

Left Out: 4887.823+/-0.801 χ^2/NDF:1063298.6/24

Right Out: 4440.008+/-0.826 χ^2/NDF: 7069771.7/32

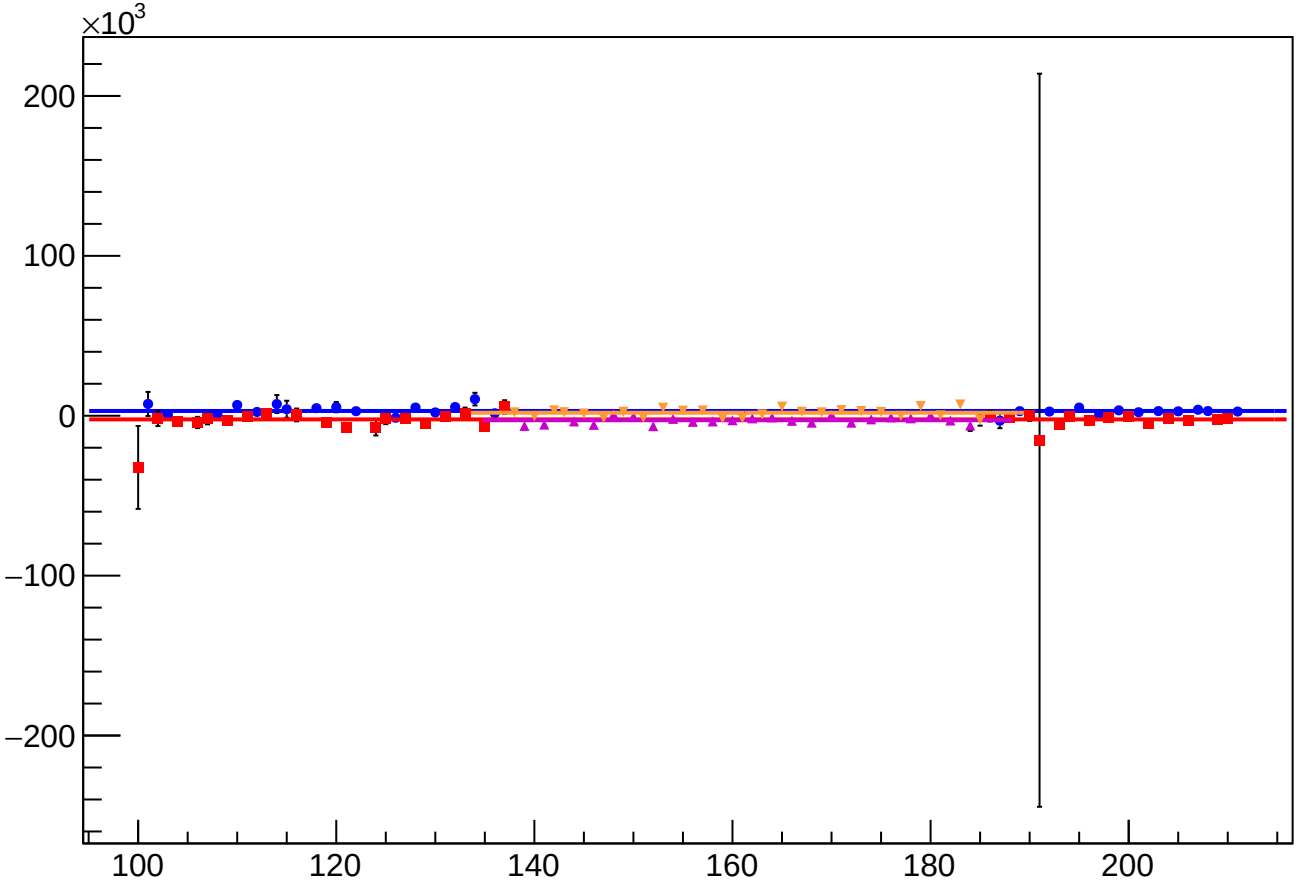
Left In: 4853.363+/-0.817 χ^2/NDF:1178636.9/22

+ sign 5075.206+/-0.618 χ^2/NDF: 3716051.9/52

All: 4849.114+/-0.423 χ^2/NDF: 12343507.7/1

- sign 4648.948+/-0.581 χ^2/NDF: 8374854.9/55

eigen_dit_asym_atr_avg_mean vs Slug



Right In: 2991.763+/-491.455 χ^2/NDF: 16.7/27

Left Out: 1880.922+/-428.981 χ^2/NDF:32.9/24

Right Out: -2277.144+/-475.479 χ^2/NDF: 23.5/32

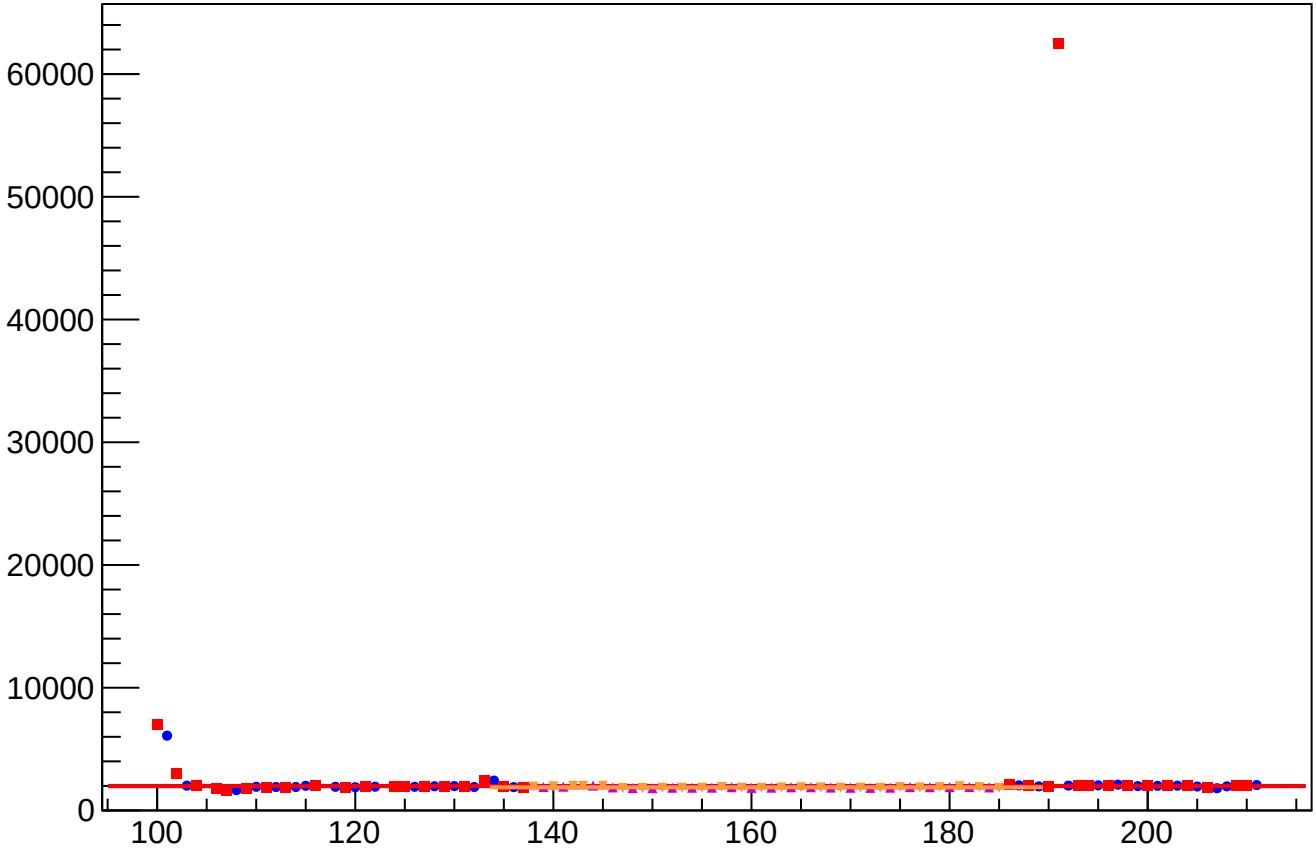
Left In: -2798.435+/-439.234 χ^2/NDF:25.4/22

+ sign 2361.290+/-323.180 χ^2/NDF: 52.6/52

All: -102.684+/-228.331 χ^2/NDF: 218.2/108

- sign -2558.413+/-322.639 χ^2/NDF: 49.6/55

eigen_dit_asym_atr_avg_rms vs Slug



Right In: 1983.117+/-0.348 χ^2/NDF: 693308.3/27

Left Out: 1887.546+/-0.303 χ^2/NDF:31955.8/24

Right Out: 1985.632+/-0.336 χ^2/NDF: 435032.5/32

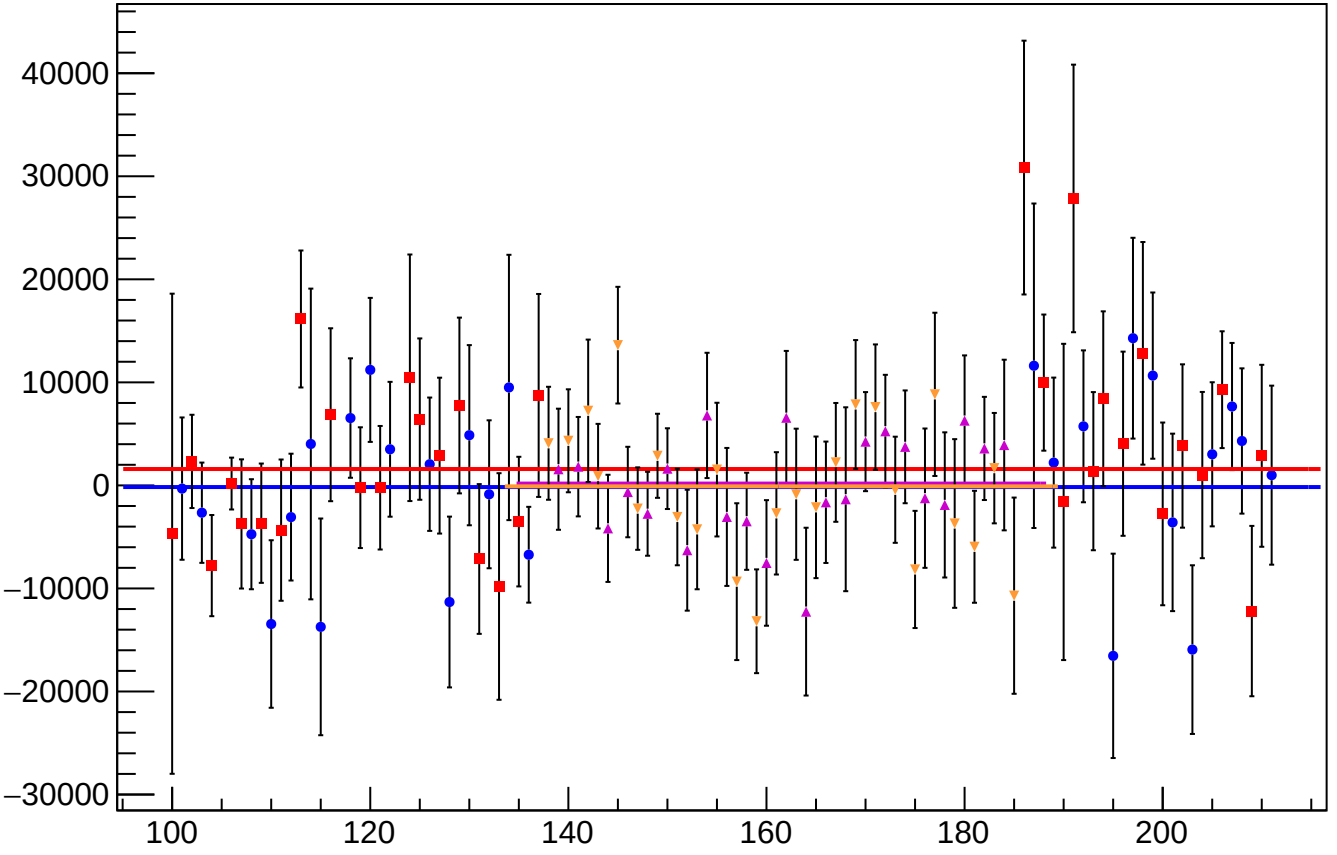
Left In: 1880.576+/-0.311 χ^2/NDF:19037.6/22

+ sign 1928.874+/-0.229 χ^2/NDF: 768191.5/52

All: 1928.921+/-0.161 χ^2/NDF: 1274963.4/10

- sign 1928.967+/-0.228 χ^2/NDF: 506771.8/55

asym_atr_avg_eigen_dit_correction_mean vs Slug



Right In: -160.710+/-1371.224 χ^2/NDF: 28.9/27

Left Out: -91.892+/-1133.235 χ^2/NDF:28.1/24

Right Out: 1589.188+/-1168.782 χ^2/NDF: 35.1/32

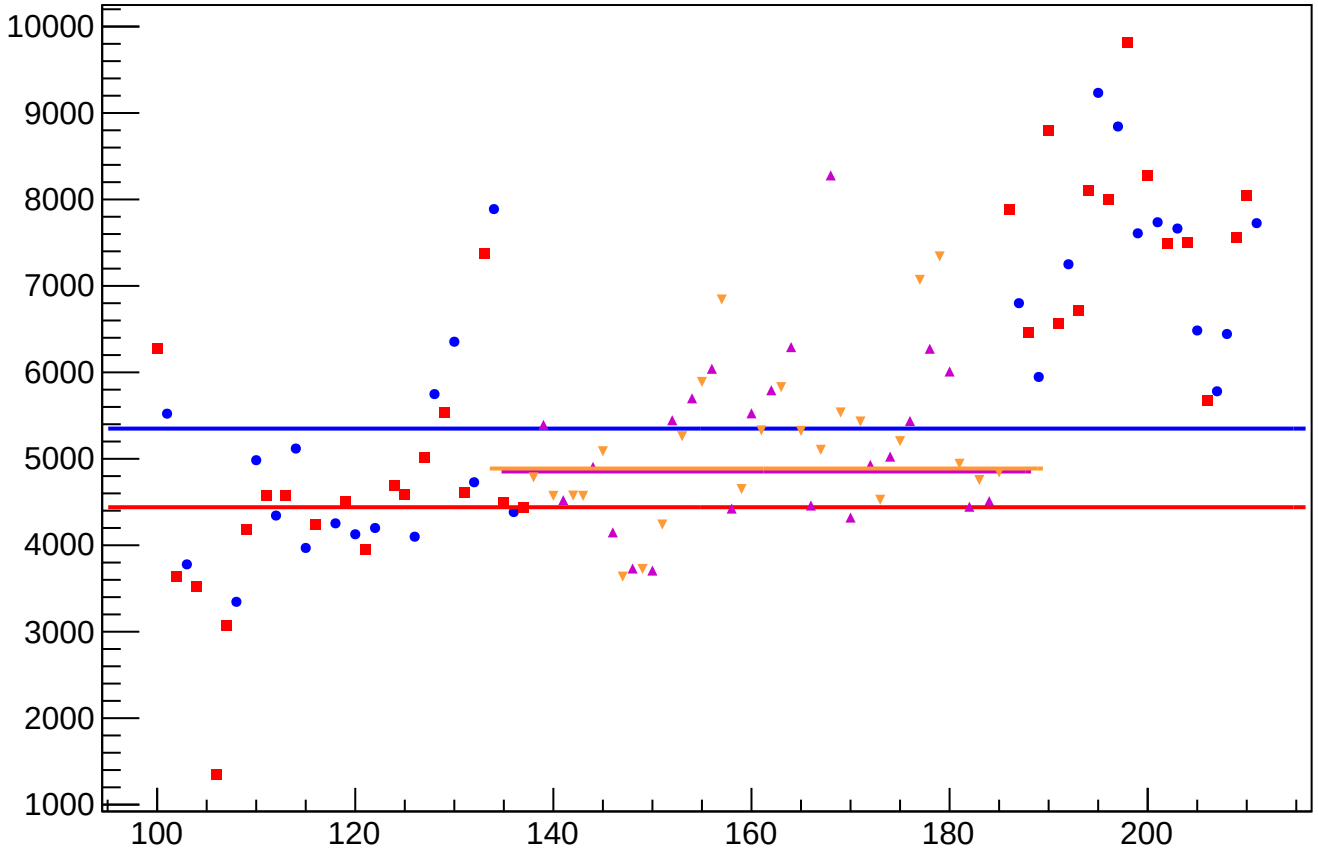
Left In: 177.140+/-1156.062 χ^2/NDF:13.5/22

+ sign -119.820+/-873.529 χ^2/NDF: 57.0/52

All: 408.077+/-598.599 χ^2/NDF: 107.0/108

- sign 875.439+/-821.920 χ^2/NDF: 49.4/55

asym_atr_avg_eigen_dit_correction_rms vs Slug



Right In: 5349.554+/-0.970 χ^2/NDF: 2518027.8/27

Left Out: 4887.830+/-0.801 χ^2/NDF:1063300.0/24

Right Out: 4439.999+/-0.826 χ^2/NDF: 7069812.3/32

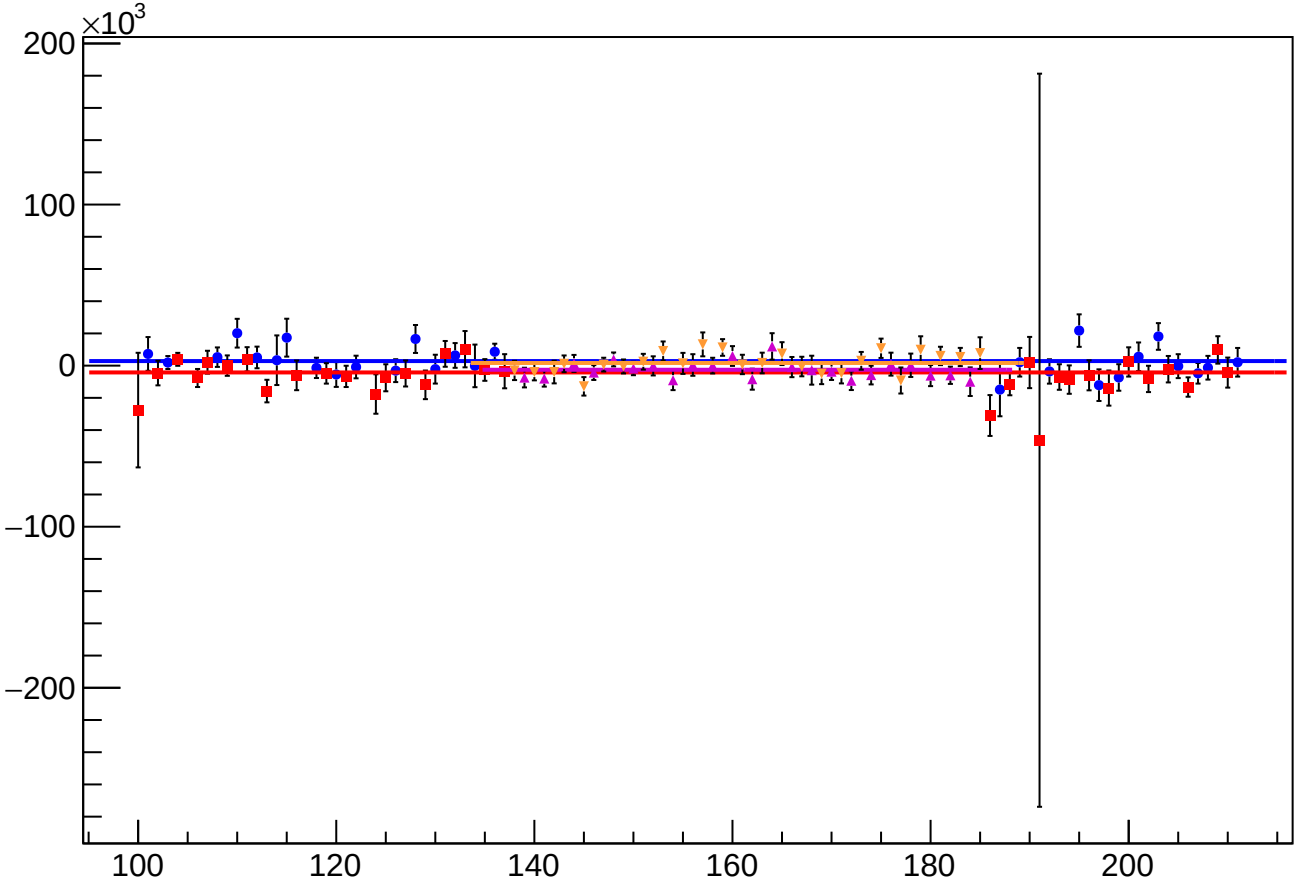
Left In: 4853.371+/-0.817 χ^2/NDF:1178639.4/22

+ sign 5075.209+/-0.618 χ^2/NDF: 3716066.5/52

All: 4849.114+/-0.423 χ^2/NDF: 12343580.2/1

- sign 4648.946+/-0.581 χ^2/NDF: 8374907.9/55

asym_atr_avg_mean vs Slug



Right In: 2835.514+/-1436.448 χ^2/NDF: 27.5/27

Left Out: 1654.615+/-1178.652 χ^2/NDF:26.0/24

Right Out: -4225.160+/-1370.359 χ^2/NDF: 28.9/32

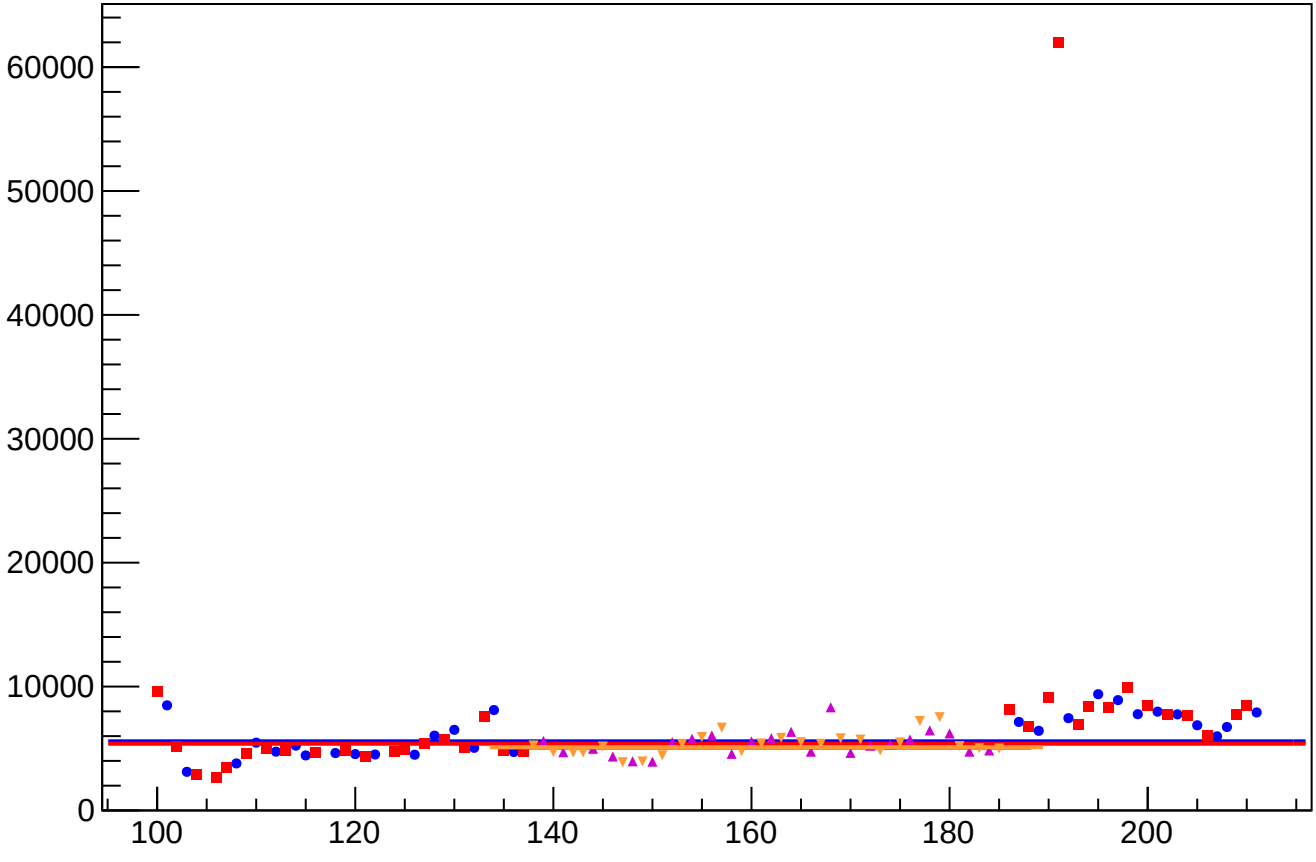
Left In: -2563.603+/-1204.450 χ^2/NDF:16.0/22

+ sign 2129.772+/-911.176 χ^2/NDF: 53.8/52

All: -598.385+/-641.988 χ^2/NDF: 117.3/108

- sign -3287.761+/-904.677 χ^2/NDF: 45.7/55

asym_atr_avg_rms vs Slug



Right In: 5581.183+/-1.016 χ^2/NDF: 2822323.1/27

Left Out: 5100.641+/-0.833 χ^2/NDF:909330.5/24

Right Out: 5384.071+/-0.963 χ^2/NDF: 3981181.8/32

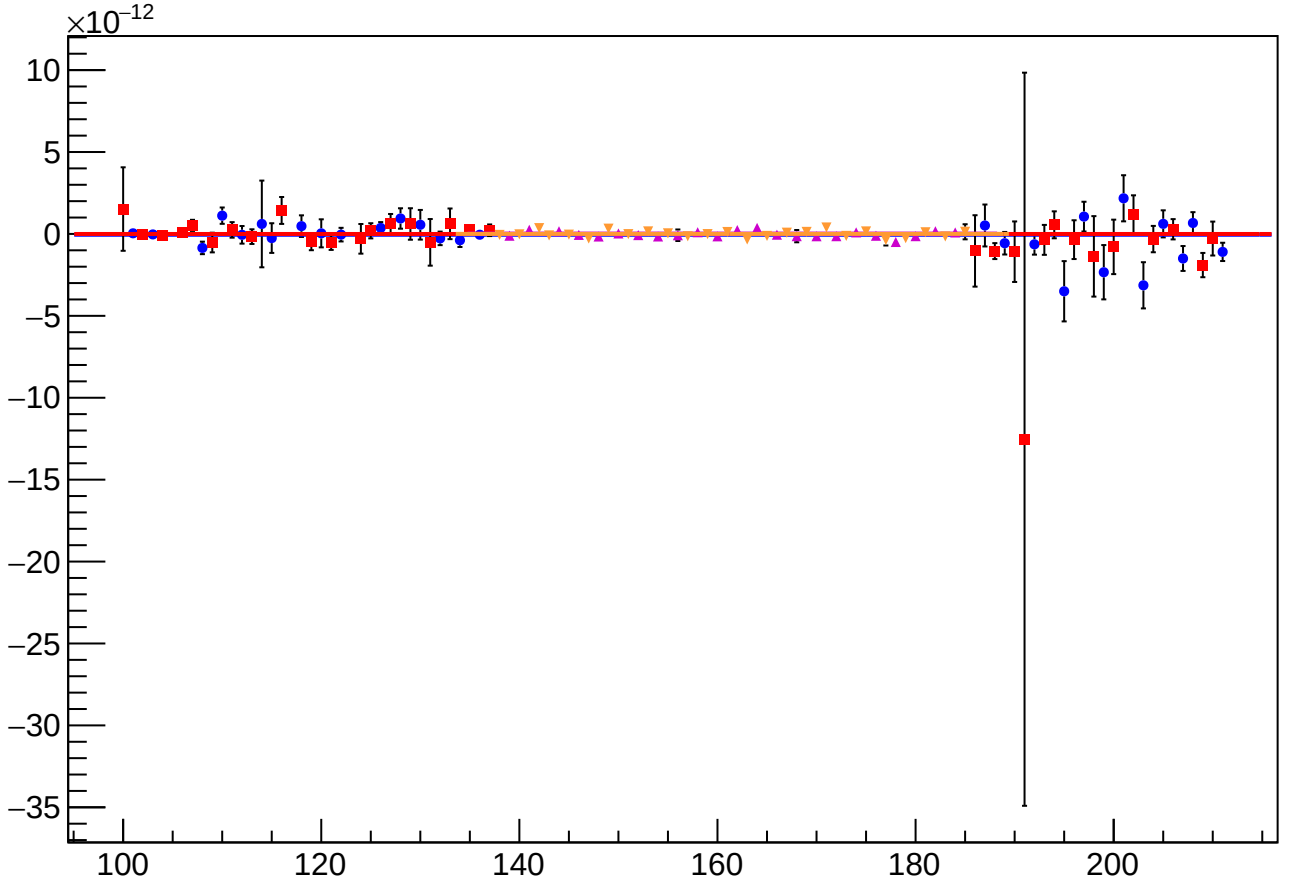
Left In: 5073.543+/-0.852 χ^2/NDF:991915.5/22

+ sign 5293.996+/-0.644 χ^2/NDF: 3865419.5/52

All: 5251.477+/-0.453 χ^2/NDF: 8905465.5/10

- sign 5209.776+/-0.638 χ^2/NDF: 5031419.6/55

asym_atr_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 41.0/27

Left Out: 0.000+/-0.000 χ^2/NDF:33.3/24

Right Out: -0.000+/-0.000 χ^2/NDF: 30.1/32

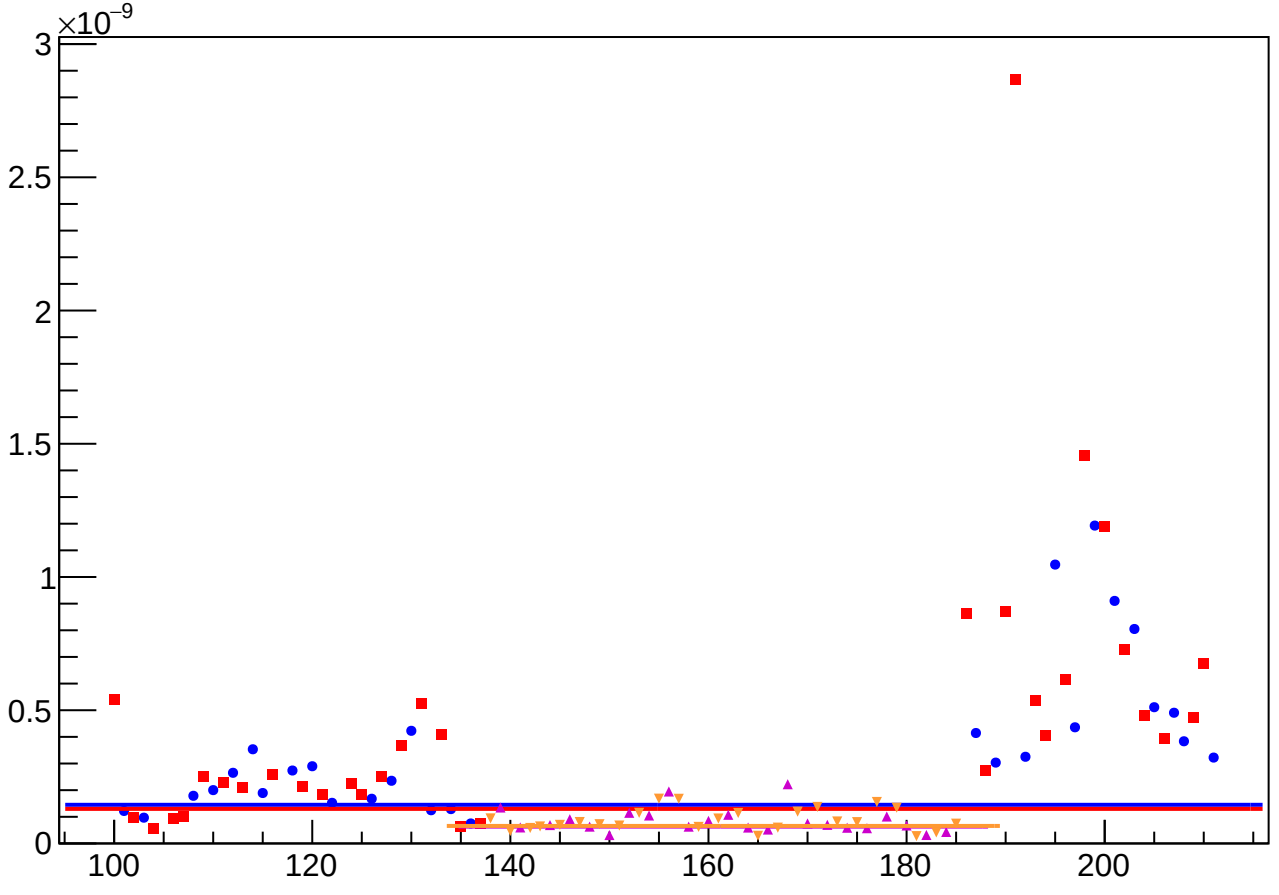
Left In: 0.000+/-0.000 χ^2/NDF:32.4/22

+ sign -0.000+/-0.000 χ^2/NDF: 74.6/52

All: 0.000+/-0.000 χ^2/NDF: 137.6/108

- sign 0.000+/-0.000 χ^2/NDF: 62.7/55

asym_atr_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 5517297.3/27

Left Out: 0.000+/-0.000 χ^2/NDF:2472657.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7548224.1/32

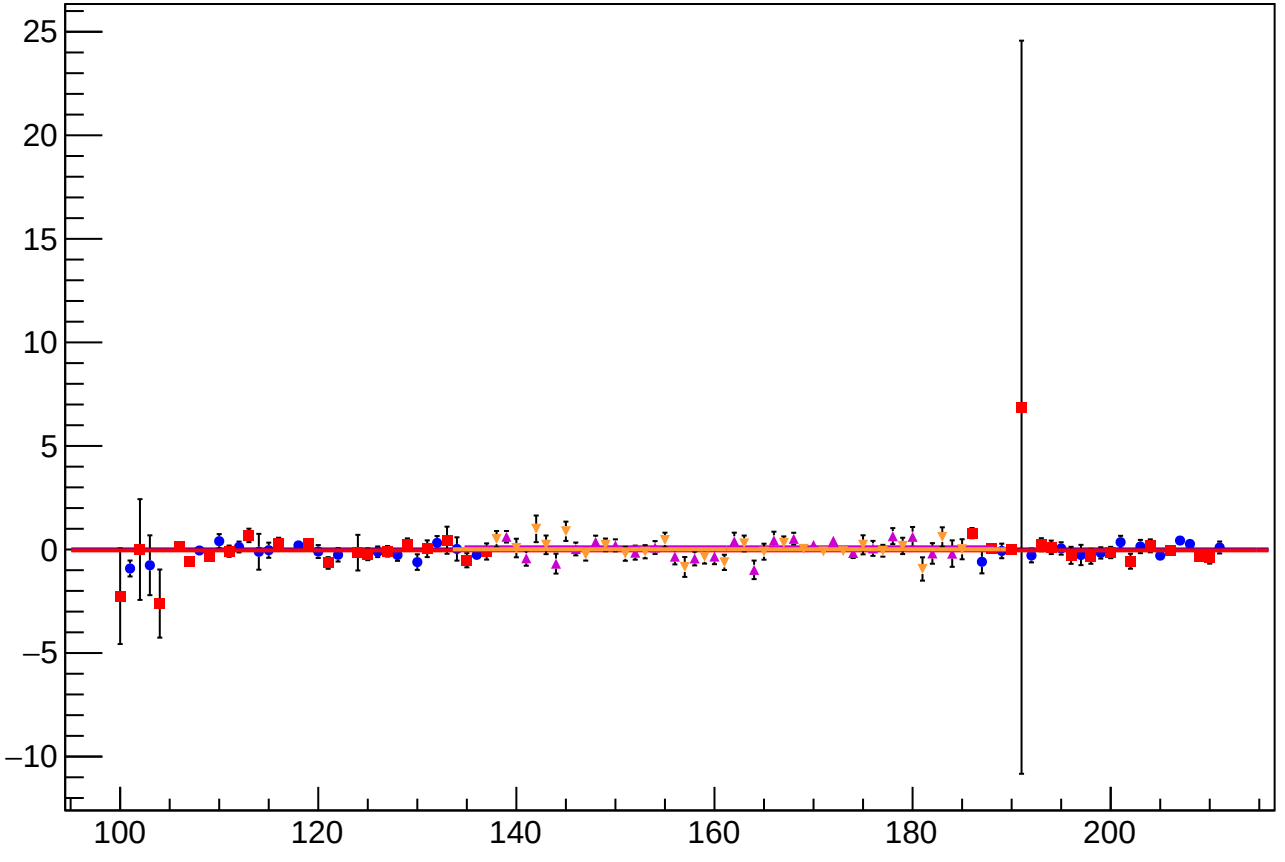
Left In: 0.000+/-0.000 χ^2/NDF:2196878.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 10104849.2/52

All: 0.000+/-0.000 χ^2/NDF: 21446725.4/108

- sign 0.000+/-0.000 χ^2/NDF: 11321119.3/55

asym_atr_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.002+/-0.055 χ^2/NDF: 29.6/27

Left Out: 0.012+/-0.068 χ^2/NDF:25.2/24

Right Out: -0.042+/-0.048 χ^2/NDF: 48.1/32

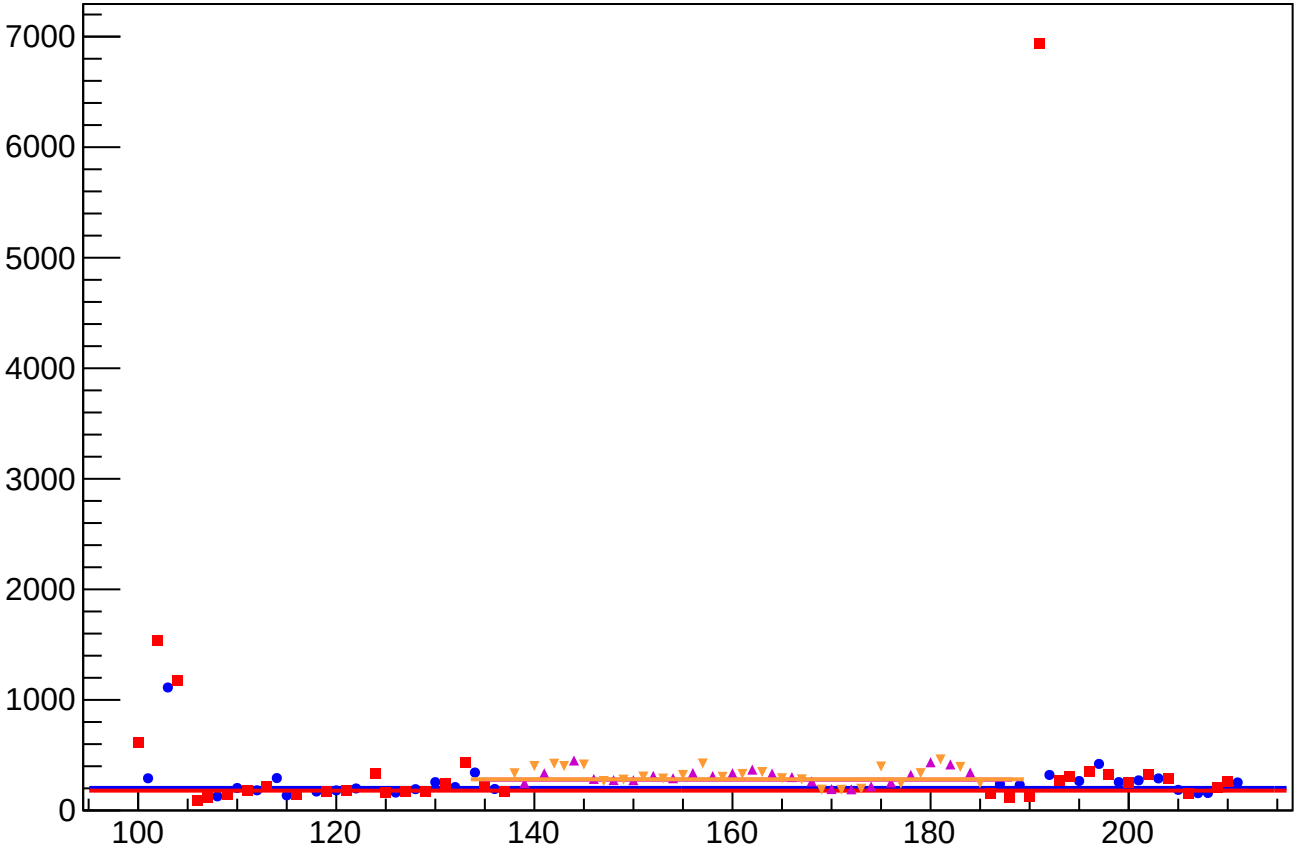
Left In: 0.105+/-0.069 χ^2/NDF:31.4/22

+ sign 0.005+/-0.043 χ^2/NDF: 54.8/52

All: 0.006+/-0.029 χ^2/NDF: 137.5/108

- sign 0.007+/-0.040 χ^2/NDF: 82.6/55

asym_atr_avg_dit_vs_cor_diff_rms vs Slug



Right In: 203.858+/-0.039 χ^2/NDF: 2949611.9/27

Left Out: 281.818+/-0.048 χ^2/NDF:2520824.2/24

Right Out: 179.423+/-0.034 χ^2/NDF: 5650497.4/32

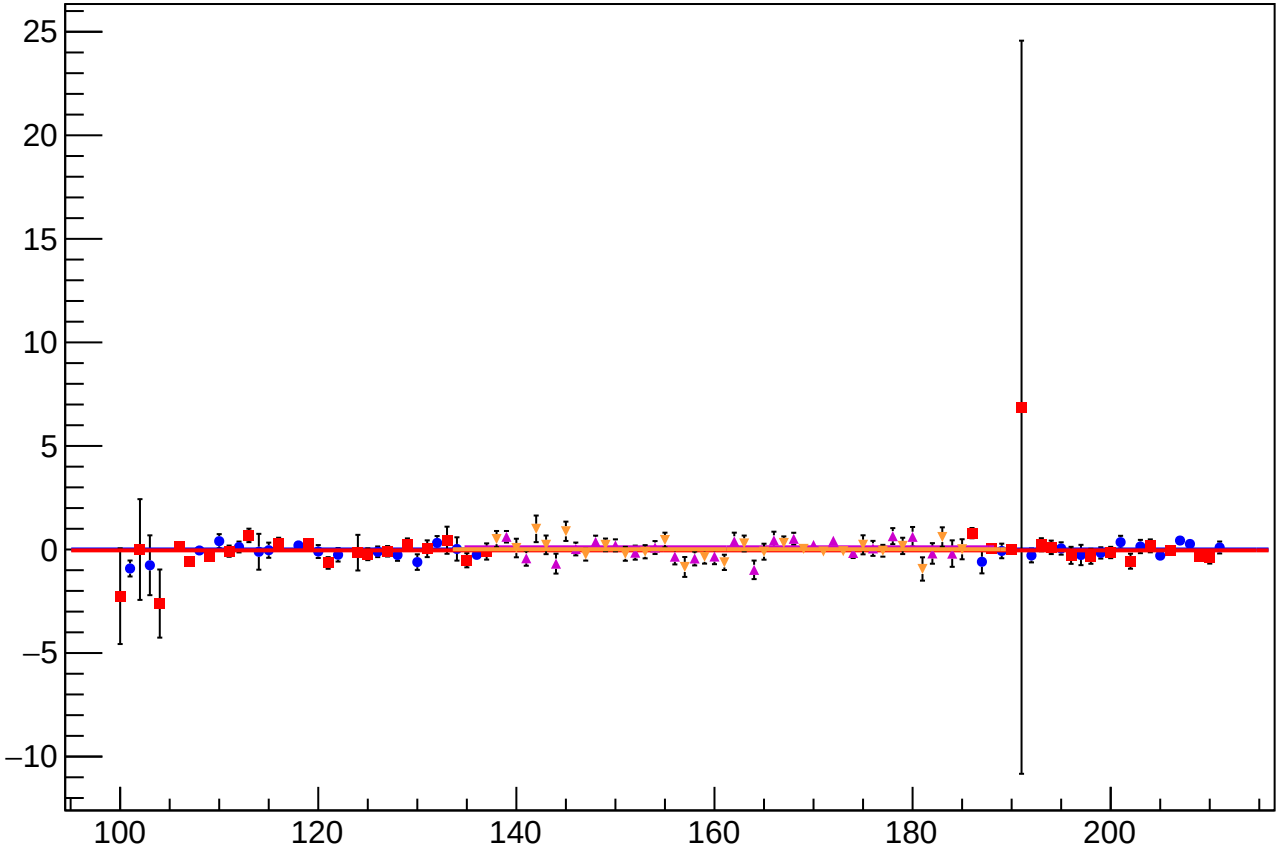
Left In: 278.409+/-0.049 χ^2/NDF:1799690.4/22

+ sign 234.326+/-0.030 χ^2/NDF: 7069665.9/52

All: 222.508+/-0.020 χ^2/NDF: 17588833.6/10

- sign 212.301+/-0.028 χ^2/NDF: 10231495.0/55

asym_atr_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.002+/-0.055 χ^2/NDF: 29.6/27

Left Out: 0.012+/-0.068 χ^2/NDF:25.2/24

Right Out: -0.042+/-0.048 χ^2/NDF: 48.1/32

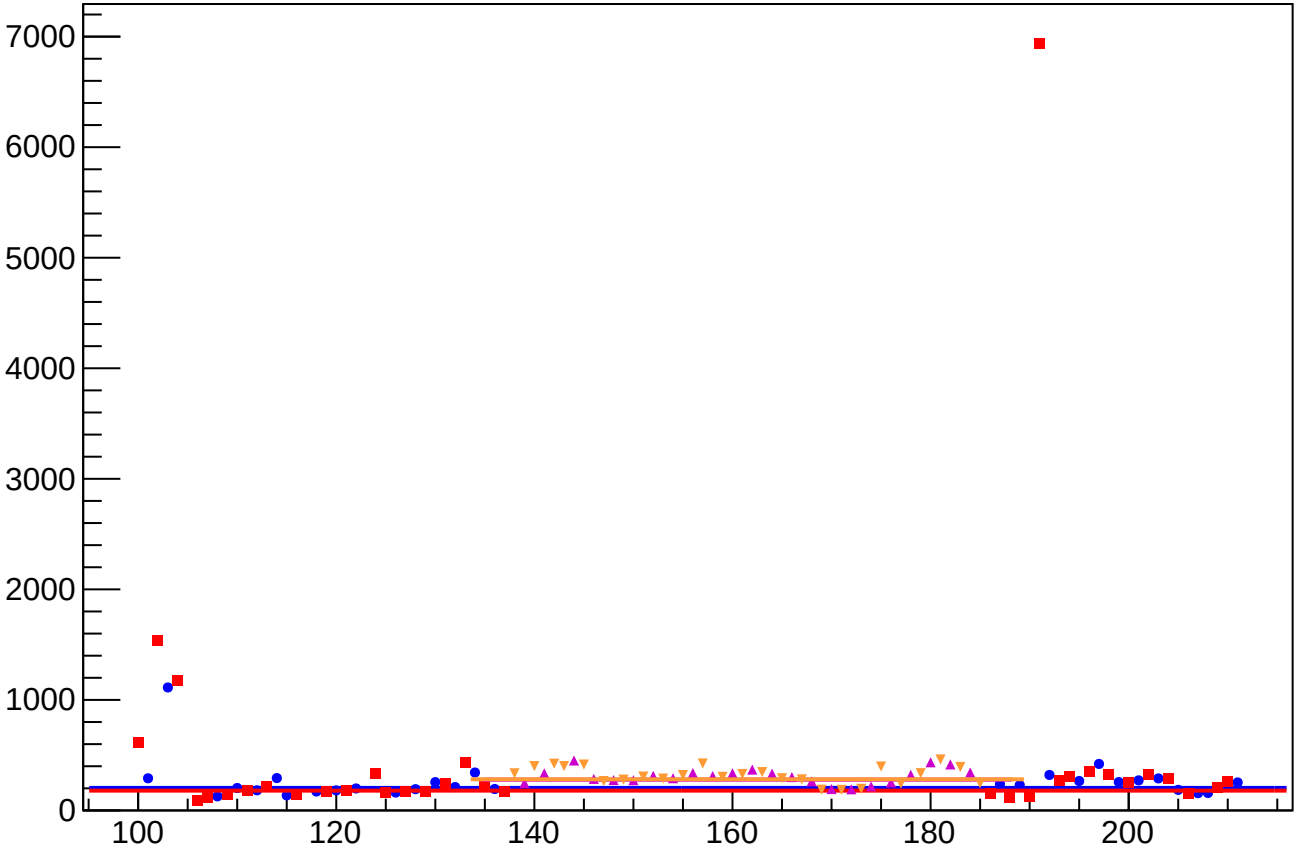
Left In: 0.105+/-0.069 χ^2/NDF:31.4/22

+ sign 0.005+/-0.043 χ^2/NDF: 54.8/52

All: 0.006+/-0.029 χ^2/NDF: 137.5/108

- sign 0.007+/-0.040 χ^2/NDF: 82.6/55

asym_atr_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 203.858+/-0.039 χ^2/NDF: 2949611.9/27

Left Out: 281.818+/-0.048 χ^2/NDF:2520824.2/24

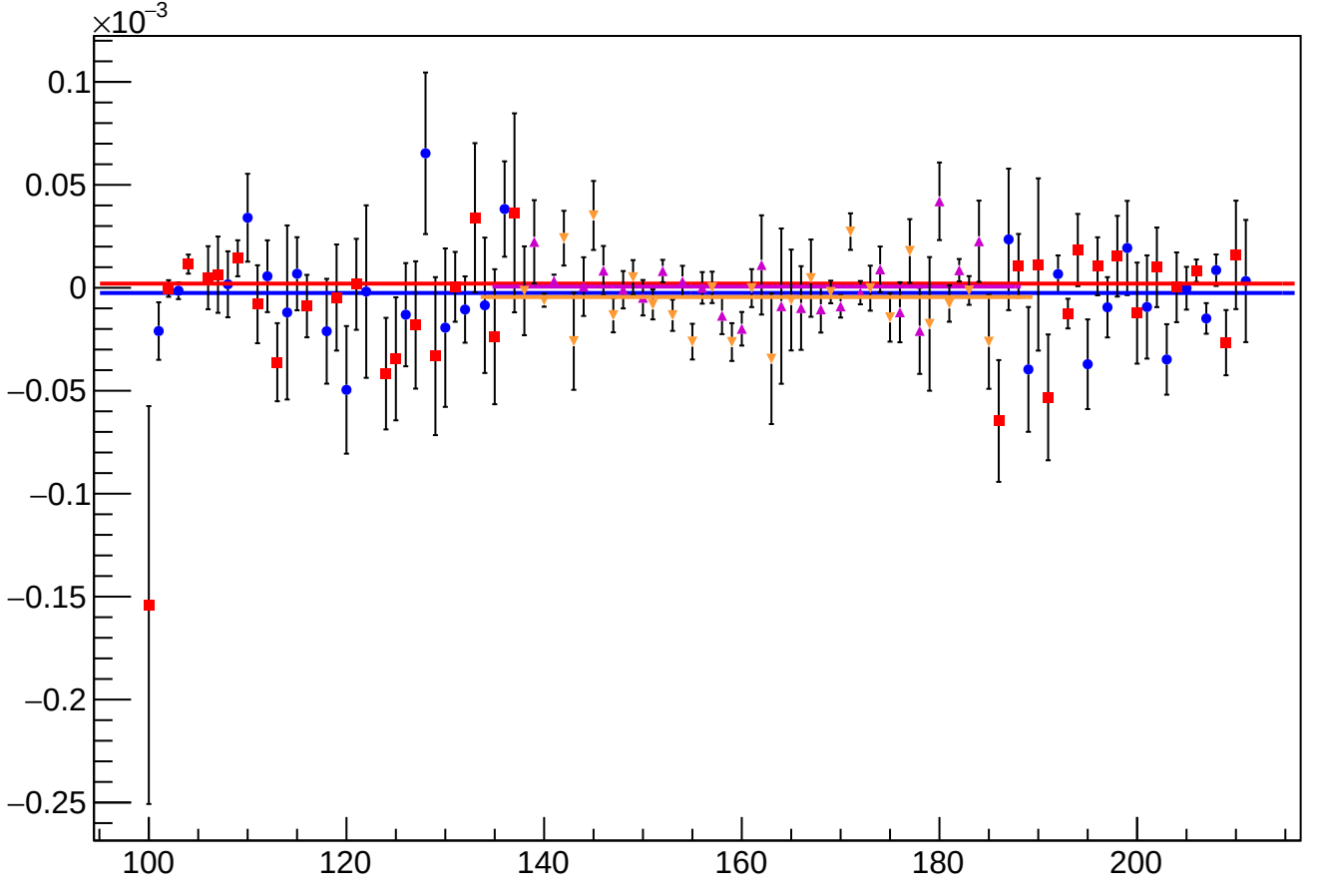
Right Out: 179.423+/-0.034 χ^2/NDF: 5650497.4/32

Left In: 278.409+/-0.049 χ^2/NDF:1799690.4/22

+ sign 234.326+/-0.030 χ^2/NDF: 7069665.9/52

All: 222.508+/-0.020 χ^2/NDF: 17588833.6/10

- sign 212.301+/-0.028 χ^2/NDF: 10231495.0/55



Right In: -0.000+/-0.000 χ^2/NDF: 30.3/27

Left Out: -0.000+/-0.000 χ^2/NDF:46.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 41.3/32

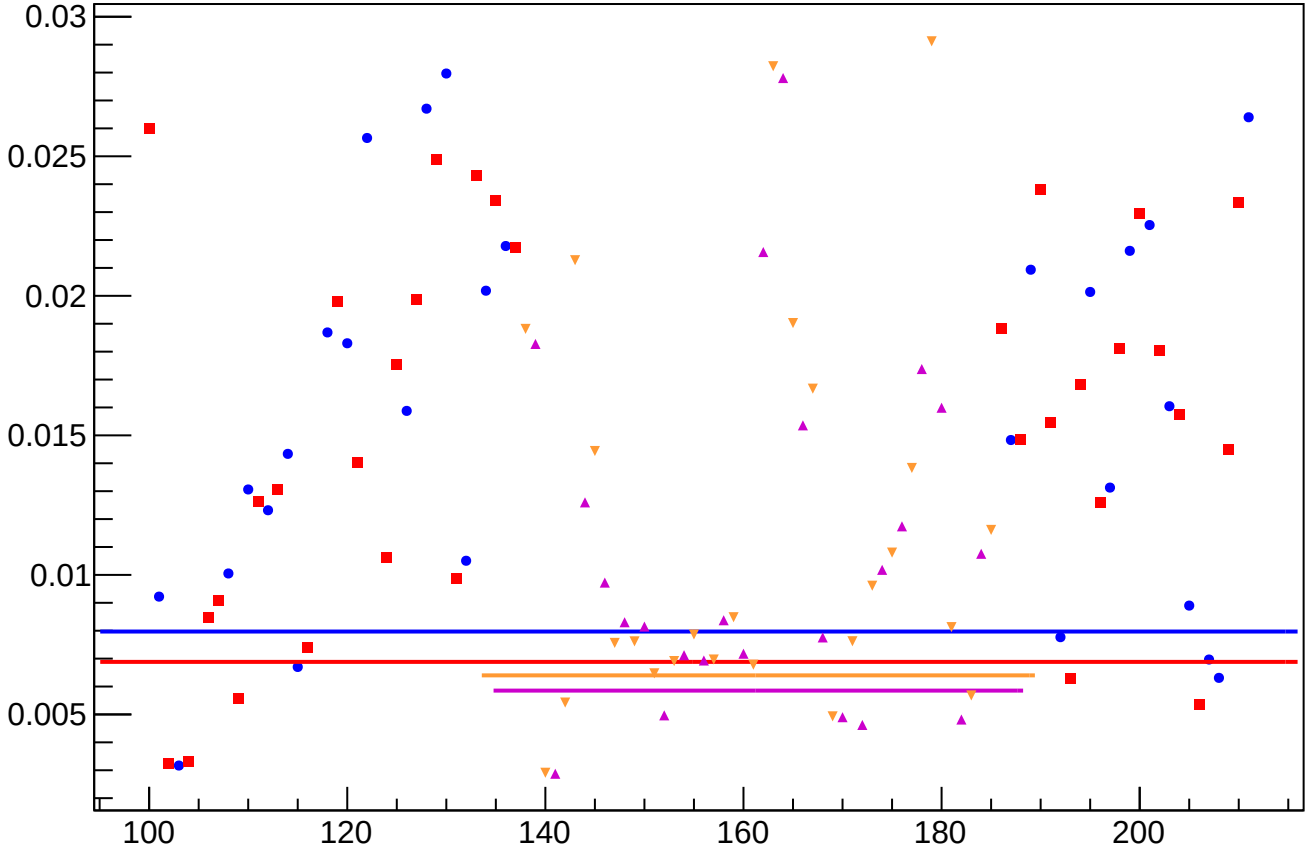
Left In: 0.000+/-0.000 χ^2/NDF:29.1/22

+ sign -0.000+/-0.000 χ^2/NDF: 77.1/52

All: -0.000+/-0.000 χ^2/NDF: 154.7/108

- sign 0.000+/-0.000 χ^2/NDF: 70.7/55

asym_atr_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF: 10348519.4/27

Left Out: 0.006+/-0.000 χ^2/NDF:8964265.3/24

Right Out: 0.007+/-0.000 χ^2/NDF: 12869025.9/32

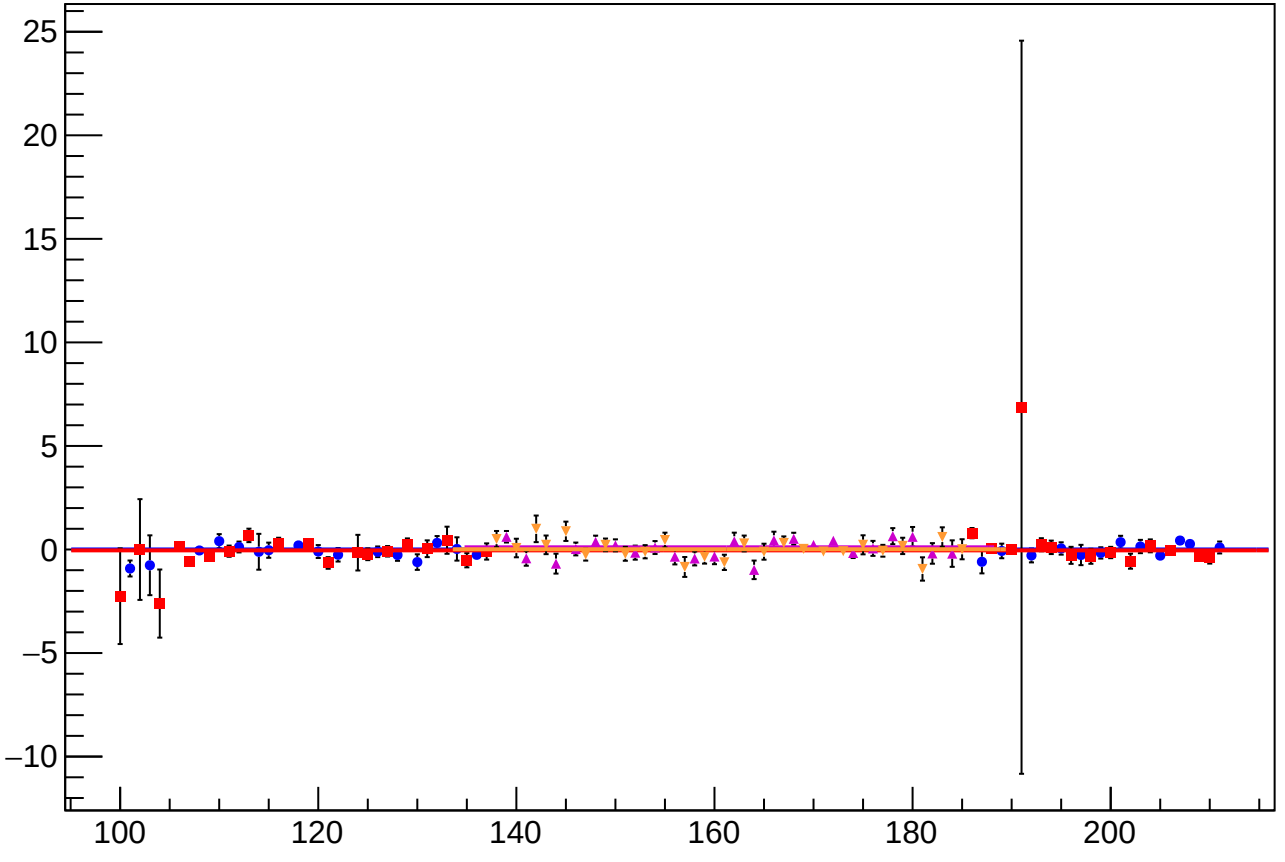
Left In: 0.006+/-0.000 χ^2/NDF:8144305.6/22

+ sign 0.007+/-0.000 χ^2/NDF: 19859344.4/52

All: 0.007+/-0.000 χ^2/NDF: 41420596.5/108

- sign 0.006+/-0.000 χ^2/NDF: 21320018.5/55

asym_atr_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.002+/-0.055 χ^2/NDF: 29.6/27

Left Out: 0.012+/-0.068 χ^2/NDF:25.2/24

Right Out: -0.042+/-0.048 χ^2/NDF: 48.1/32

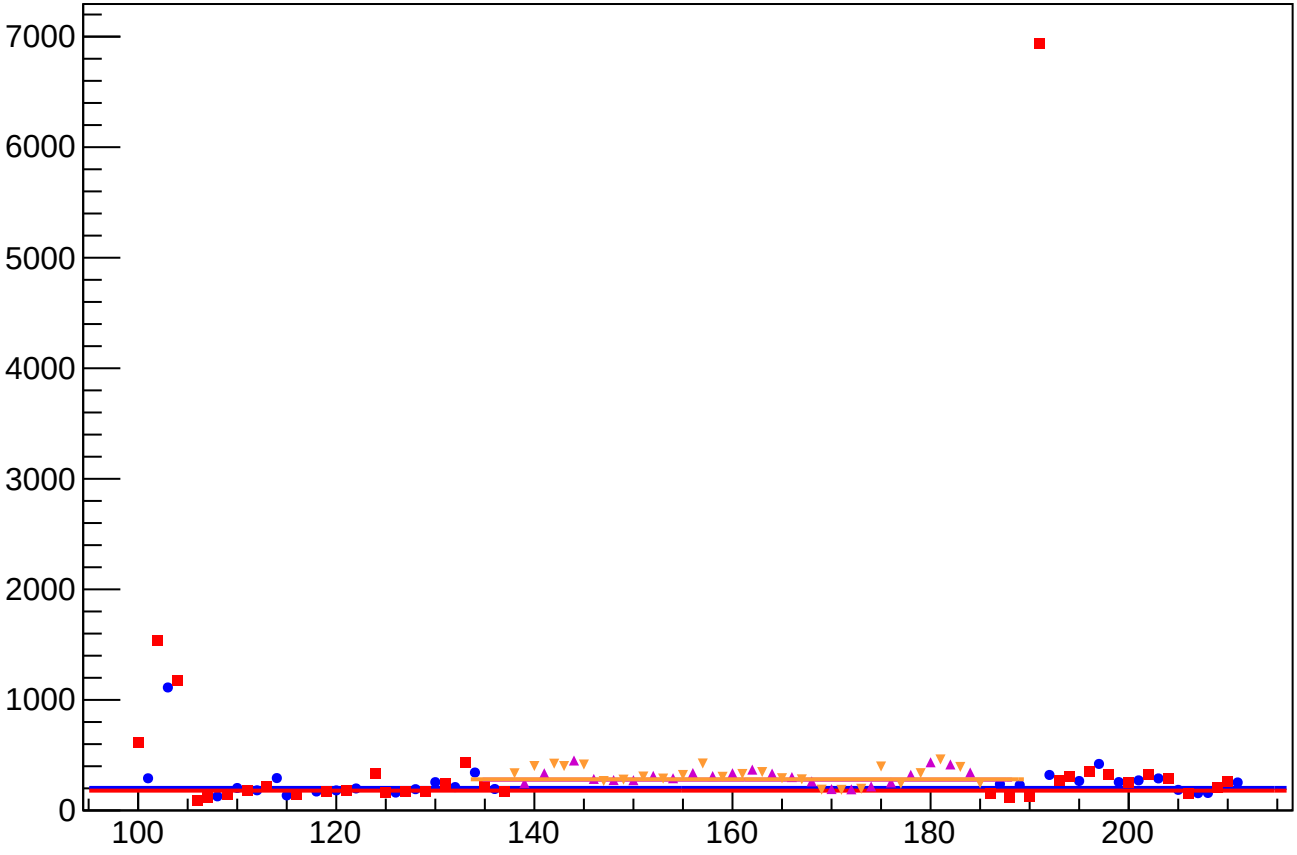
Left In: 0.105+/-0.069 χ^2/NDF:31.4/22

+ sign 0.005+/-0.043 χ^2/NDF: 54.8/52

All: 0.006+/-0.029 χ^2/NDF: 137.5/108

- sign 0.007+/-0.040 χ^2/NDF: 82.6/55

asym_atr_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 203.858+/-0.039 χ^2/NDF: 2949646.5/27

Left Out: 281.820+/-0.048 χ^2/NDF:2520889.0/24

Right Out: 179.420+/-0.034 χ^2/NDF: 5650646.9/32

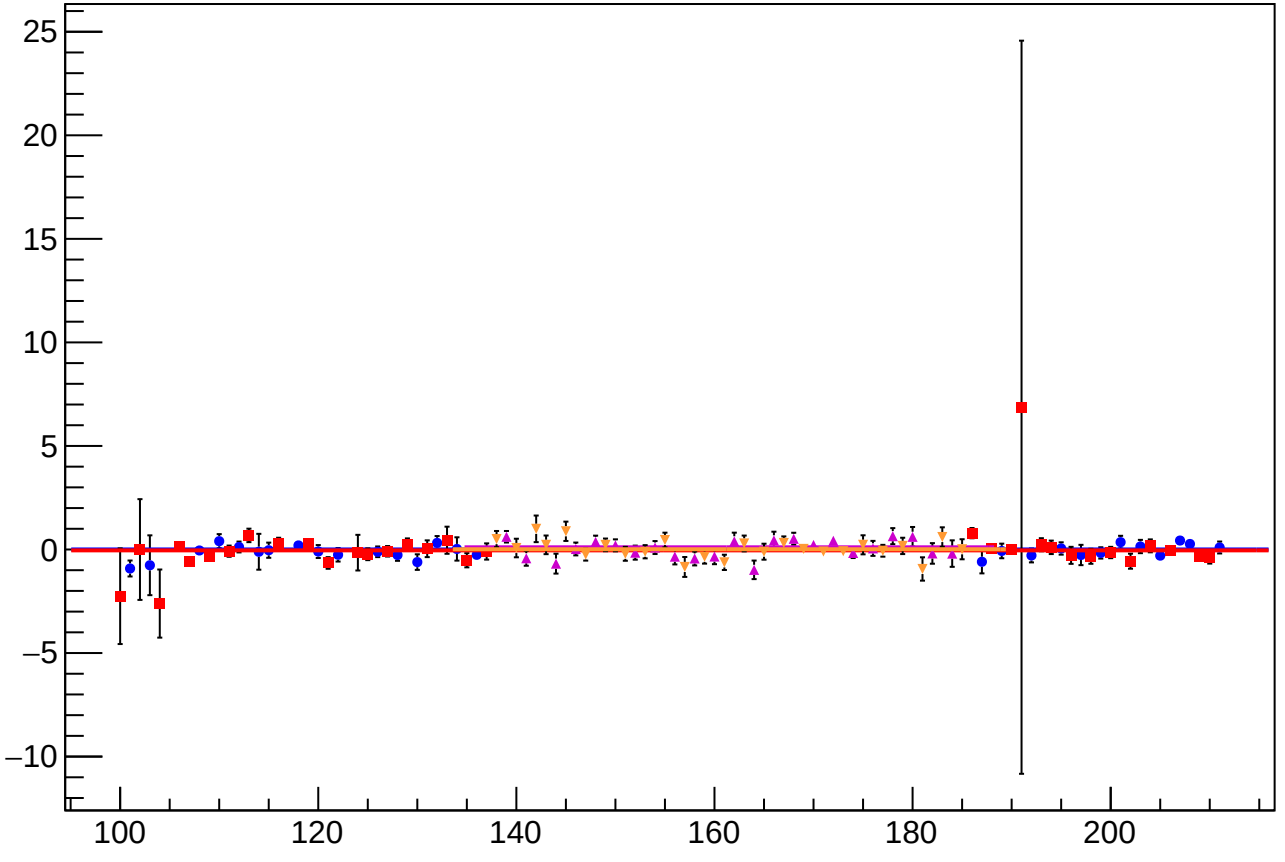
Left In: 278.412+/-0.049 χ^2/NDF:1799730.1/22

+ sign 234.326+/-0.030 χ^2/NDF: 7069860.3/52

All: 222.507+/-0.020 χ^2/NDF: 17589572.1/10

- sign 212.299+/-0.028 χ^2/NDF: 10231972.4/55

asym_atr_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.002+/-0.055 χ^2/NDF: 29.6/27

Left Out: 0.012+/-0.068 χ^2/NDF:25.2/24

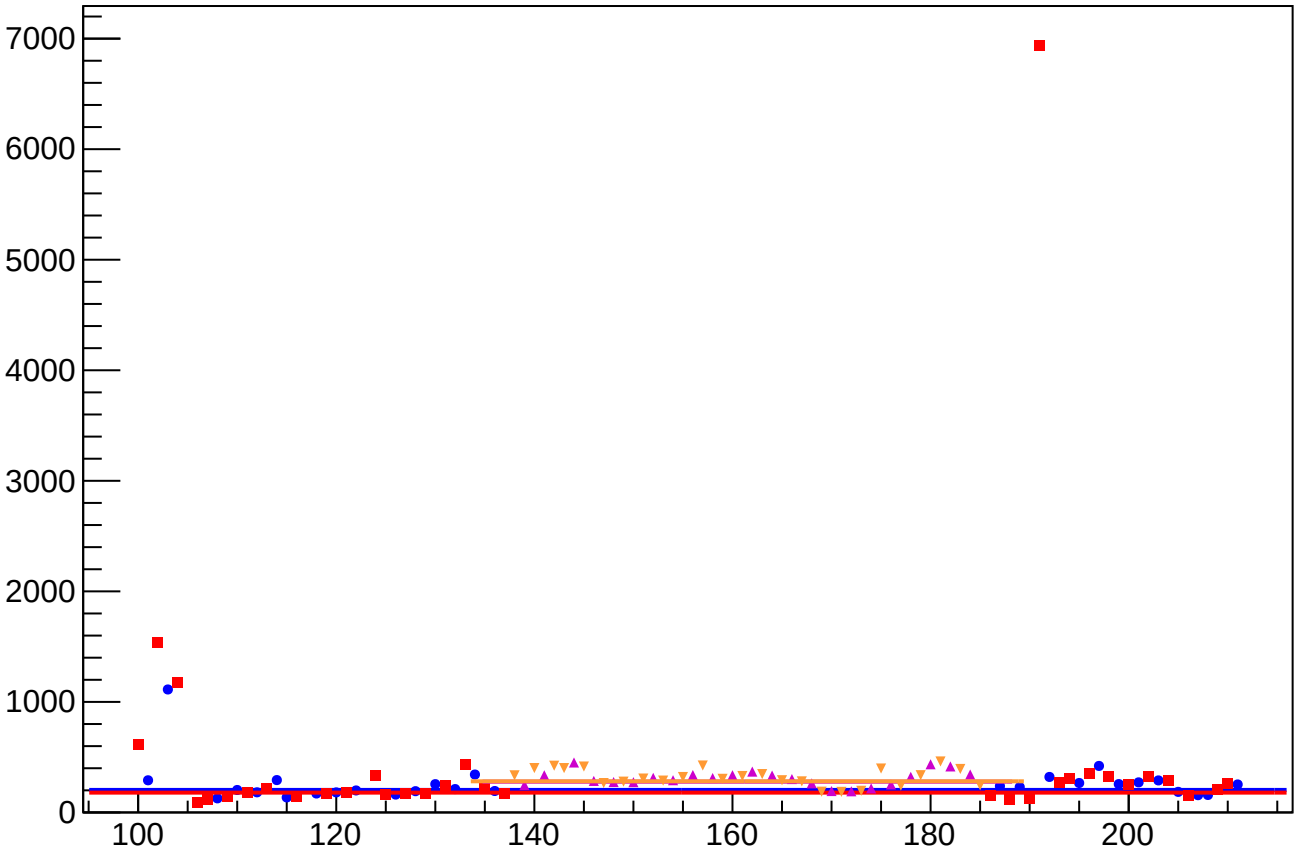
Right Out: -0.042+/-0.048 χ^2/NDF: 48.1/32

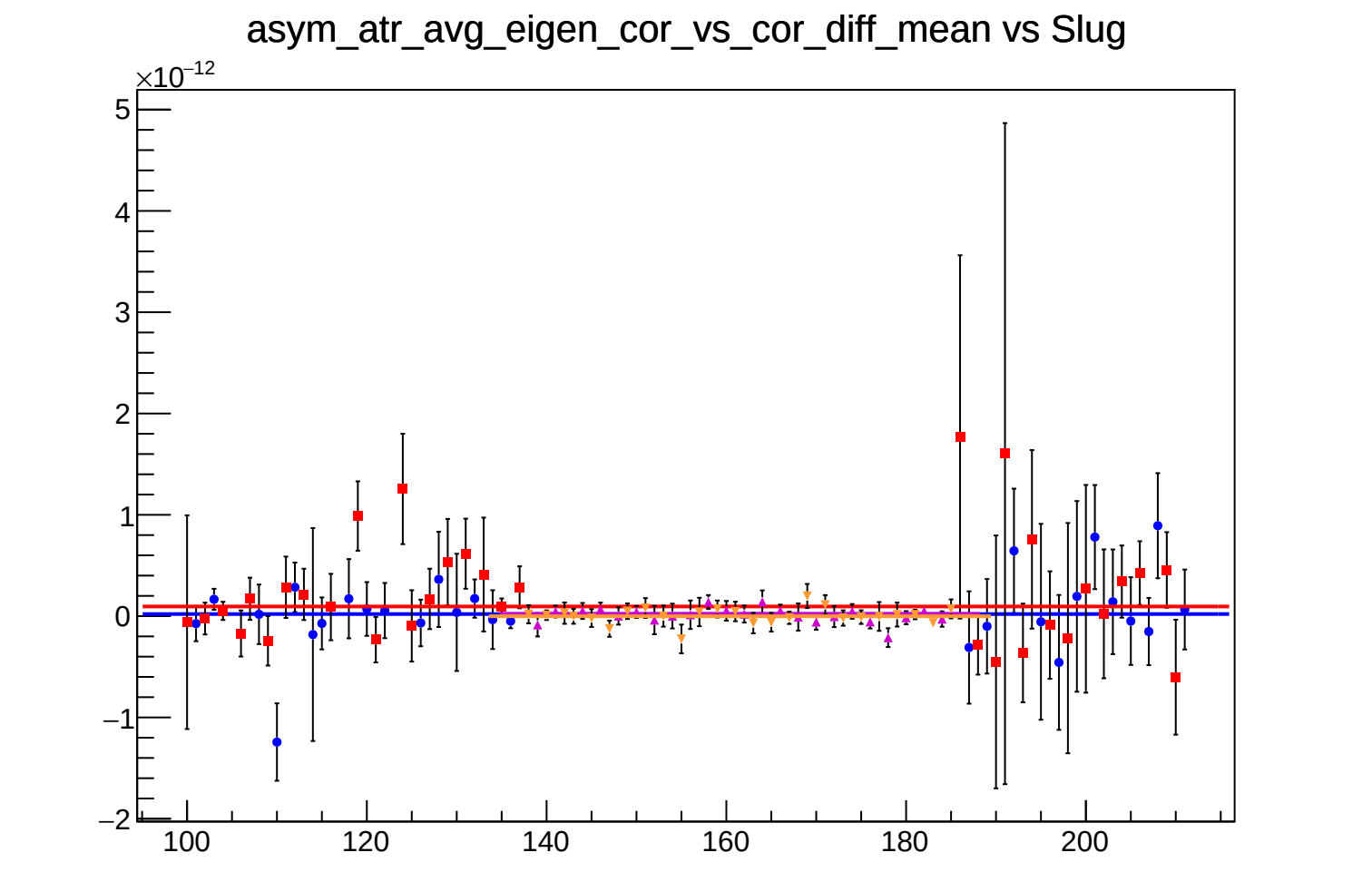
Left In: 0.105+/-0.069 χ^2/NDF:31.4/22

+ sign 0.005+/-0.043 χ^2/NDF: 54.8/52

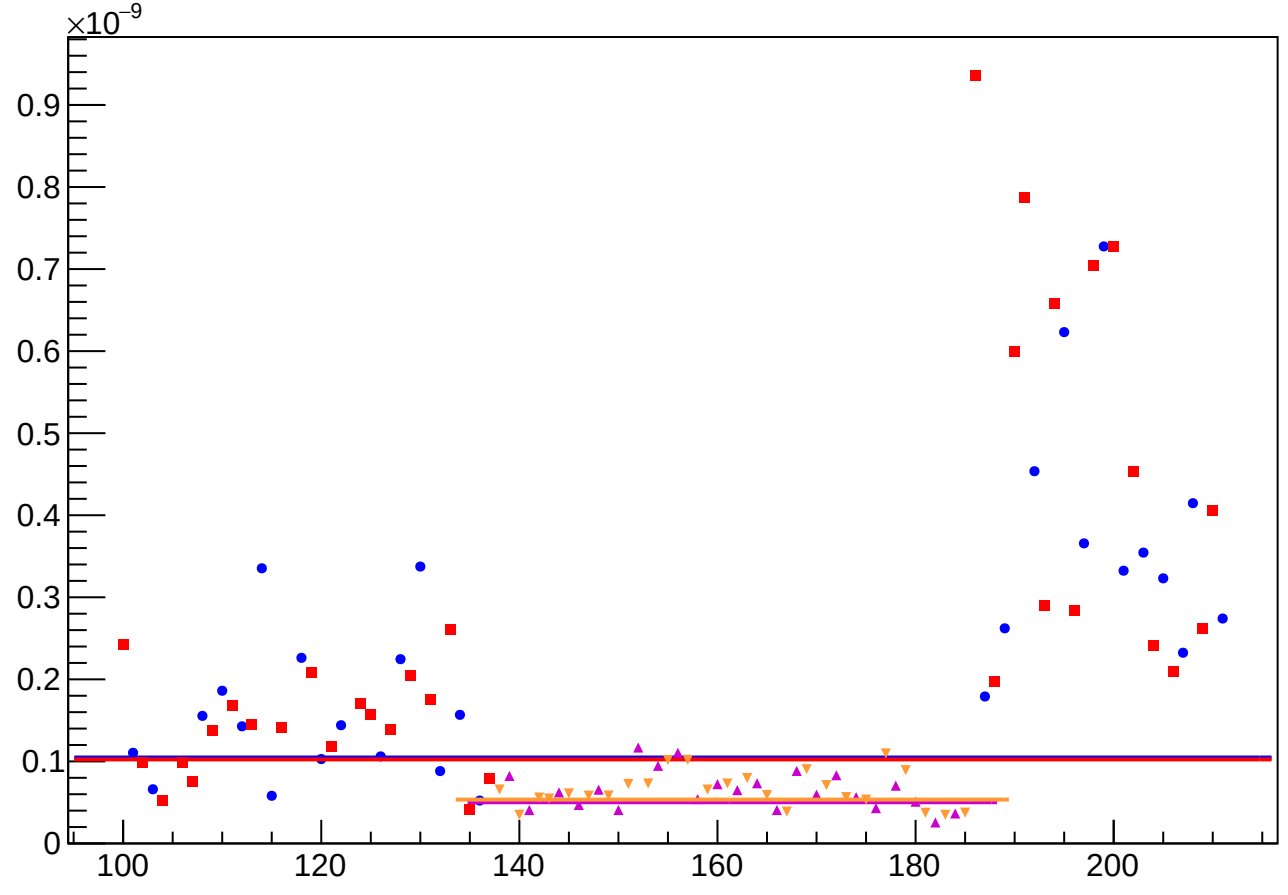
All: 0.006+/-0.029 χ^2/NDF: 137.5/108

- sign 0.007+/-0.040 χ^2/NDF: 82.6/55


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
Right In: 203.858+/-0.039 χ²/NDF: 2949646.5/27
Left Out: 281.820+/-0.048 χ²/NDF:2520889.0/24
Right Out: 179.420+/-0.034 χ²/NDF: 5650646.9/32
Left In: 278.412+/-0.049 χ²/NDF:1799730.1/22
+ sign 234.326+/-0.030 χ²/NDF: 7069860.3/52
All: 222.507+/-0.020 χ²/NDF: 17589572.1/10
- sign 212.299+/-0.028 χ²/NDF: 10231972.4/55


asym_atr_avg_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
5
4
3
2
1
0
−1
−2
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 24.5/27
Left Out: -0.000+/-0.000 χ²/NDF:15.4/24
Right Out: 0.000+/-0.000 χ²/NDF: 31.8/32
Left In: 0.000+/-0.000 χ²/NDF:16.8/22
+ sign 0.000+/-0.000 χ²/NDF: 40.1/52
All: 0.000+/-0.000 χ²/NDF: 93.4/108
- sign 0.000+/-0.000 χ²/NDF: 51.2/55

asym_atr_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 7948479.7/27

Left Out: 0.000+/-0.000 χ^2/NDF:2781376.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8443032.0/32

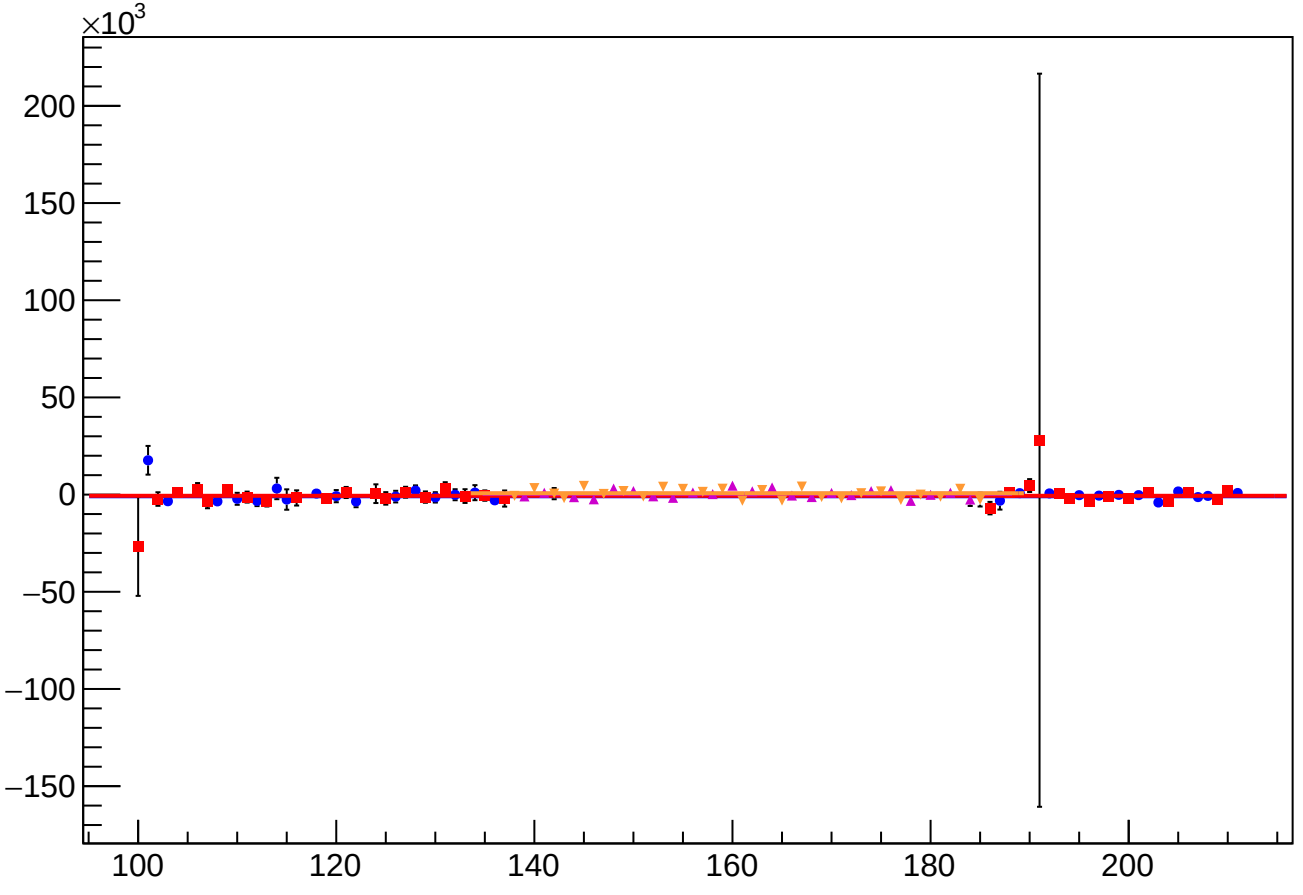
Left In: 0.000+/-0.000 χ^2/NDF:3367886.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 13191542.2/52

All: 0.000+/-0.000 χ^2/NDF: 27717540.1/108

- sign 0.000+/-0.000 χ^2/NDF: 14481340.1/55

reg_asym_atr_dd_mean vs Slug



Right In: -864.356+/-476.082 χ^2/NDF: 20.1/27

Left Out: 705.742+/-415.383 χ^2/NDF:31.9/24

Right Out: -611.539+/-459.485 χ^2/NDF: 25.9/32

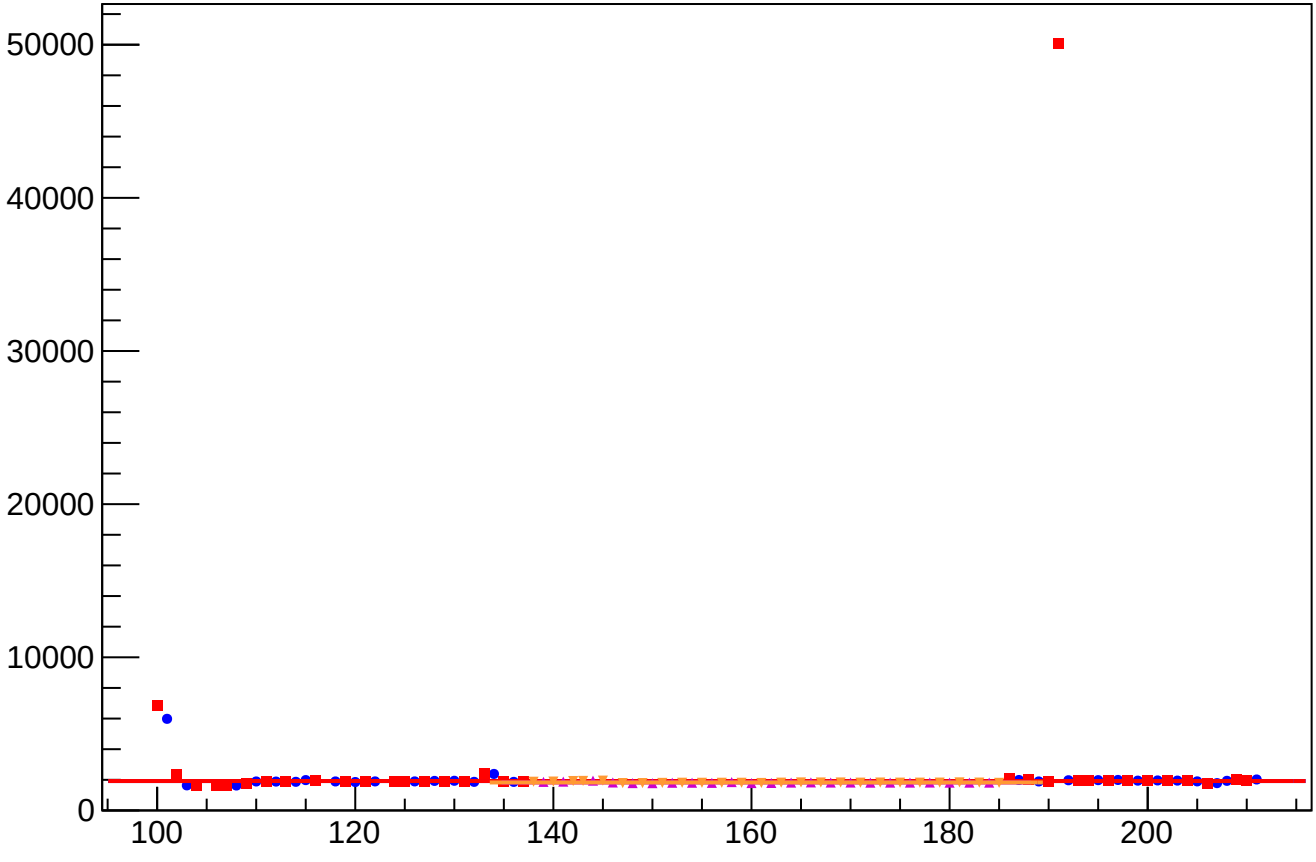
Left In: 403.144+/-426.215 χ^2/NDF:20.7/22

+ sign 27.106+/-312.995 χ^2/NDF: 58.2/52

All: -19.592+/-221.139 χ^2/NDF: 107.6/108

- sign -66.135+/-312.480 χ^2/NDF: 49.3/55

reg_asym_atr_dd_rms vs Slug



Right In: 1920.620+/-0.337 χ^2/NDF: 720747.4/27

Left Out: 1828.243+/-0.294 χ^2/NDF:19329.0/24

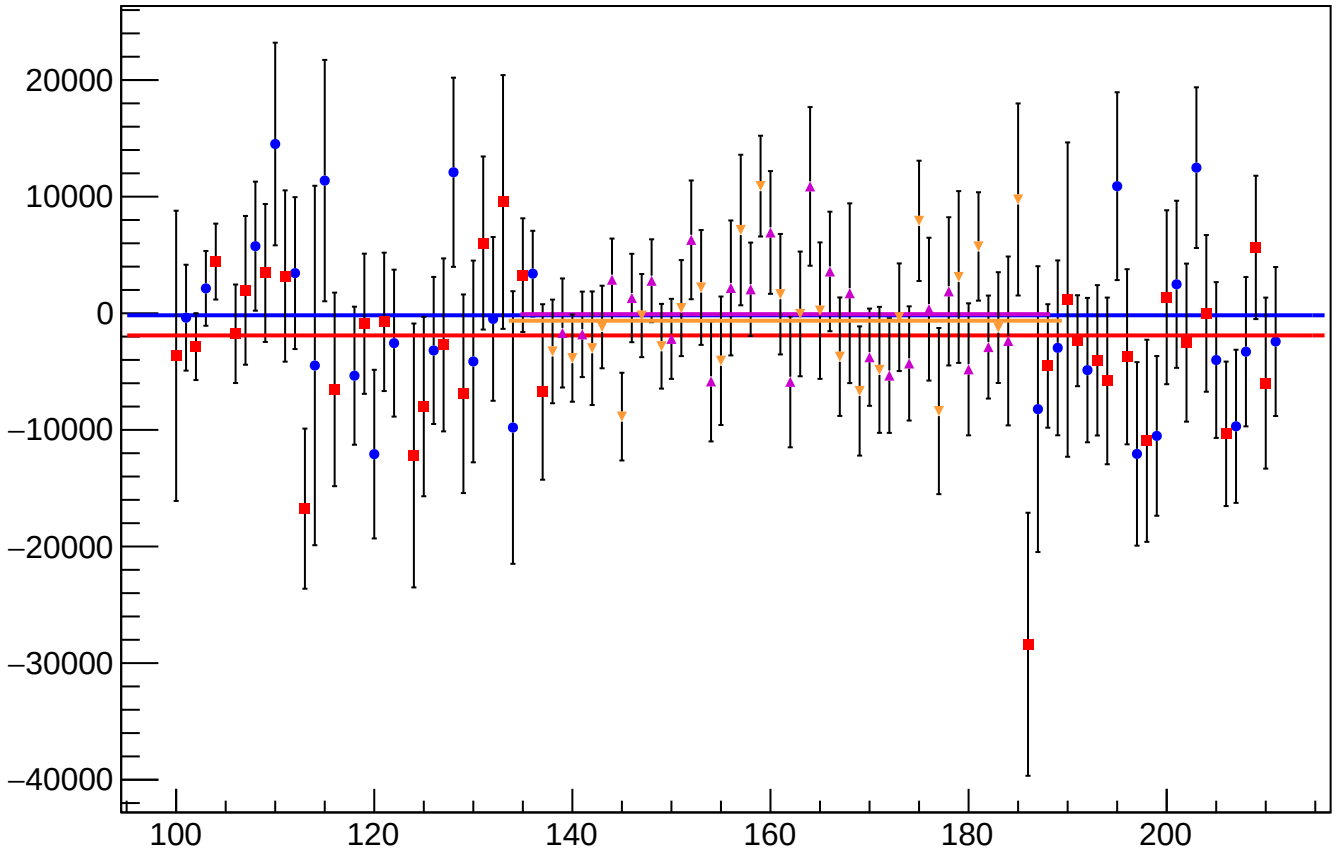
Right Out: 1921.312+/-0.324 χ^2/NDF: 391058.4/32

Left In: 1825.165+/-0.301 χ^2/NDF:13360.2/22

+ sign 1868.171+/-0.221 χ^2/NDF: 782830.5/52

All: 1868.938+/-0.156 χ^2/NDF: 1234417.5/10

- sign 1869.701+/-0.221 χ^2/NDF: 451563.0/55



Right In: -172.860+/-1199.101 χ^2/NDF: 28.0/27

Left Out: -637.703+/-946.866 χ^2/NDF:26.0/24

Right Out: -1899.159+/-1049.580 χ^2/NDF: 27.6/32

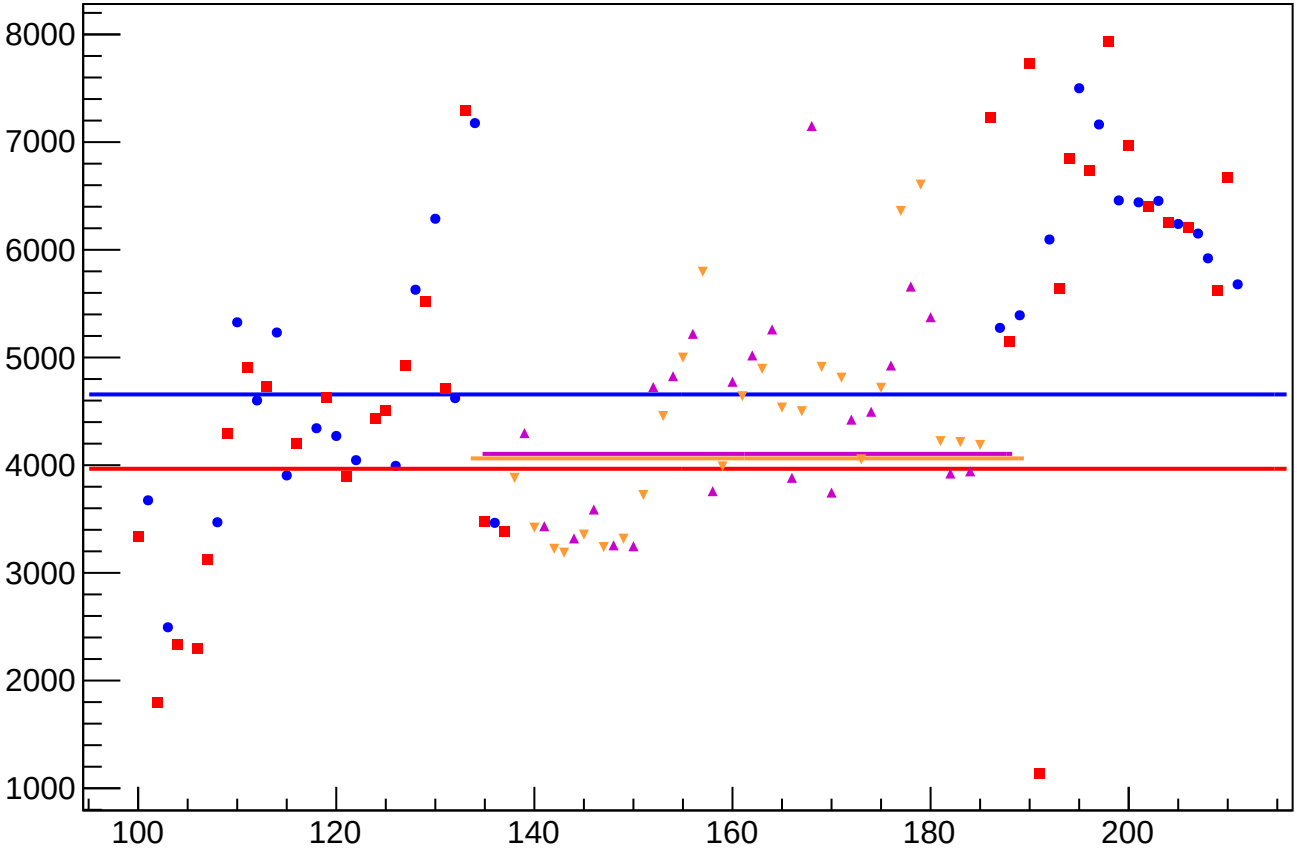
Left In: -75.764+/-980.243 χ^2/NDF:15.4/22

\+ sign -459.175+/-743.117 χ^2/NDF: 54.1/52

All: -700.742+/-515.756 χ^2/NDF: 98.9/108

\- sign -925.249+/-716.396 χ^2/NDF: 44.6/55

asym_atr_dd_reg_correction_rms vs Slug



Right In: 4657.106+/-0.848 χ^2/NDF: 2903678.2/27

Left Out: 4063.108+/-0.670 χ^2/NDF:1405036.2/24

Right Out: 3966.652+/-0.742 χ^2/NDF: 6561758.8/32

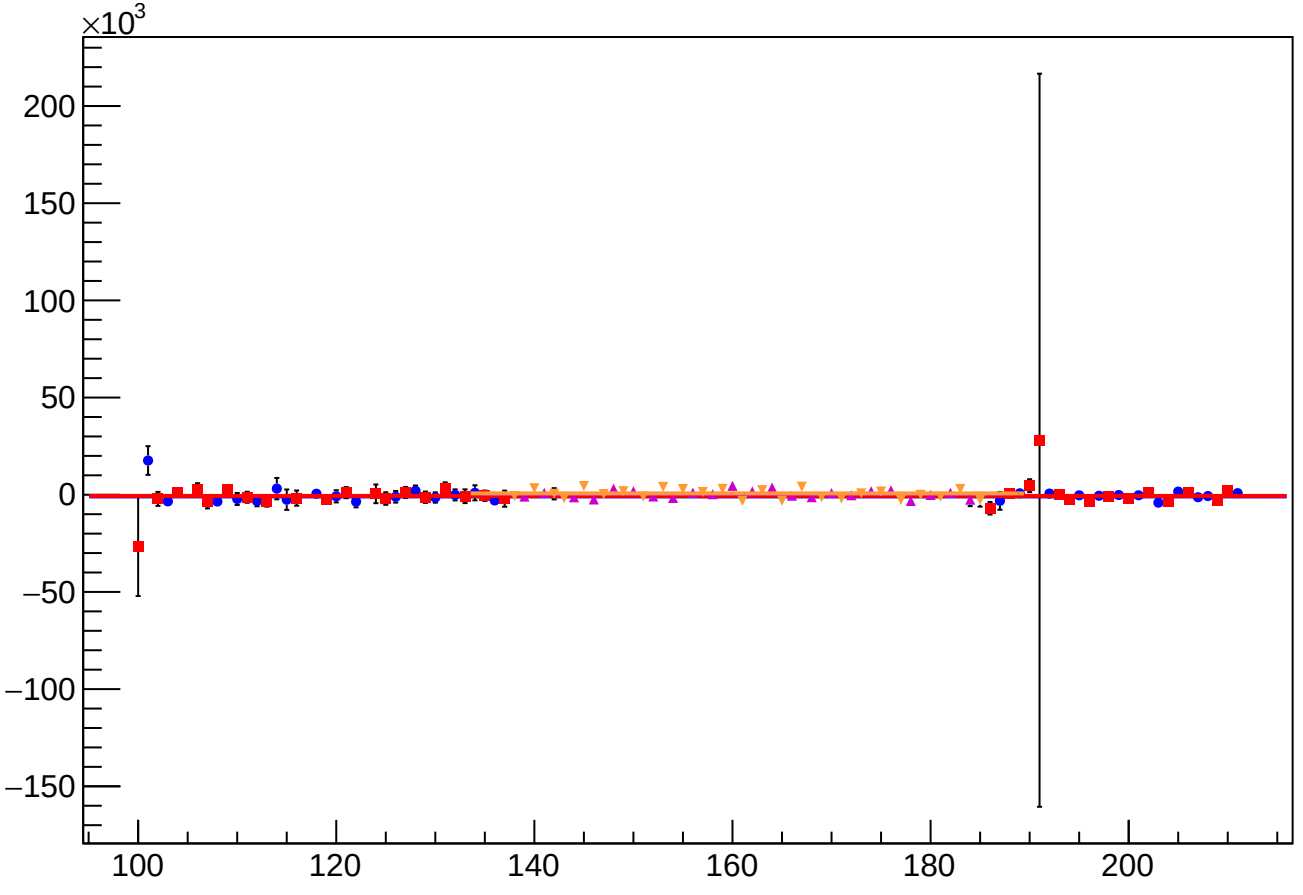
Left In: 4105.057+/-0.693 χ^2/NDF:1359493.1/22

+ sign 4291.241+/-0.525 χ^2/NDF: 4611004.8/52

All: 4161.321+/-0.365 χ^2/NDF: 12668778.2/1

- sign 4040.577+/-0.507 χ^2/NDF: 7939827.7/55

cor_asym_atr_dd_mean vs Slug



Right In: -864.570+/-476.082 χ^2/NDF: 20.1/27

Left Out: 705.801+/-415.383 χ^2/NDF:31.9/24

Right Out: -607.370+/-459.750 χ^2/NDF: 25.9/32

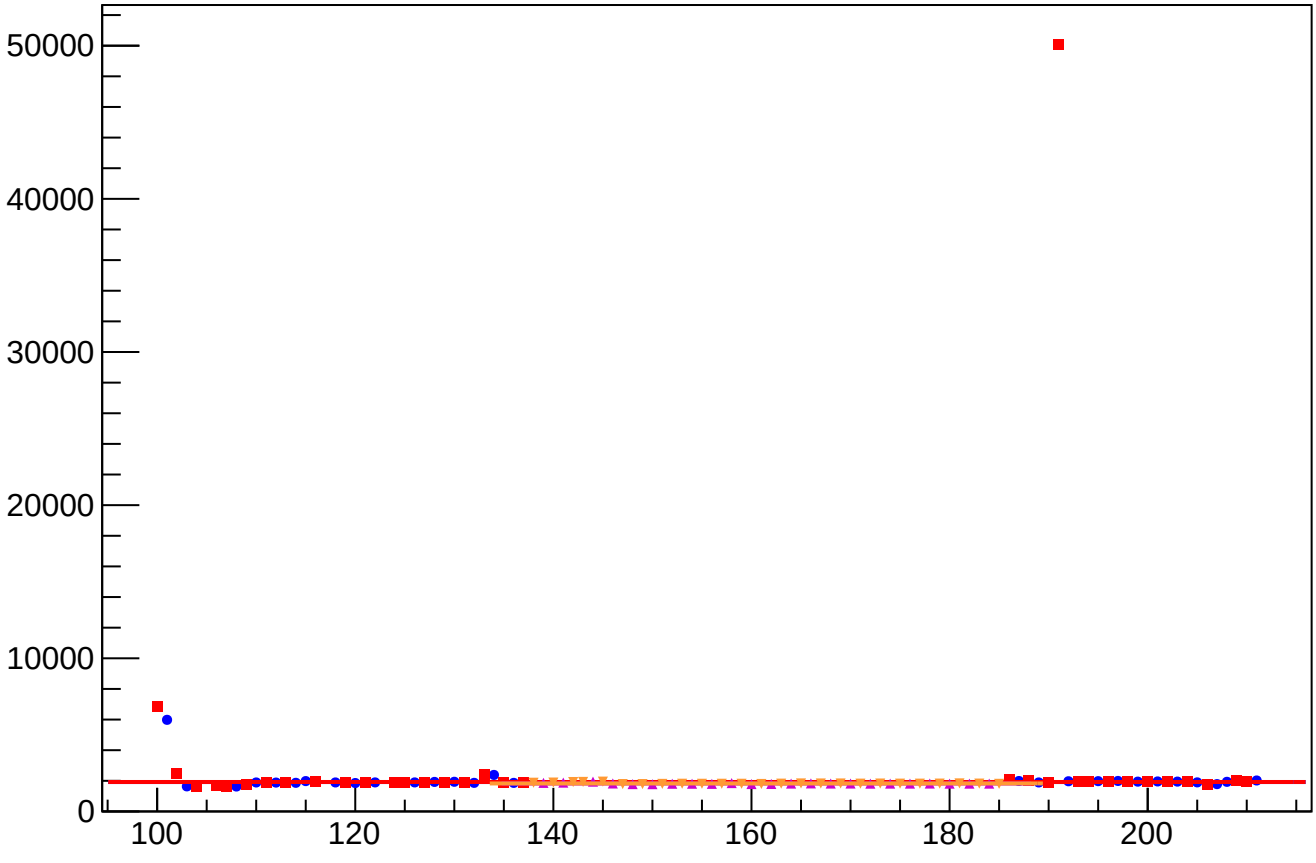
Left In: 402.981+/-426.215 χ^2/NDF:20.8/22

+ sign 27.047+/-312.995 χ^2/NDF: 58.2/52

All: -18.543+/-221.168 χ^2/NDF: 107.4/108

- sign -64.006+/-312.563 χ^2/NDF: 49.2/55

cor_asym_atr_dd_rms vs Slug



Right In: 1920.620+/-0.337 χ^2/NDF: 720747.6/27

Left Out: 1828.243+/-0.294 χ^2/NDF:19329.0/24

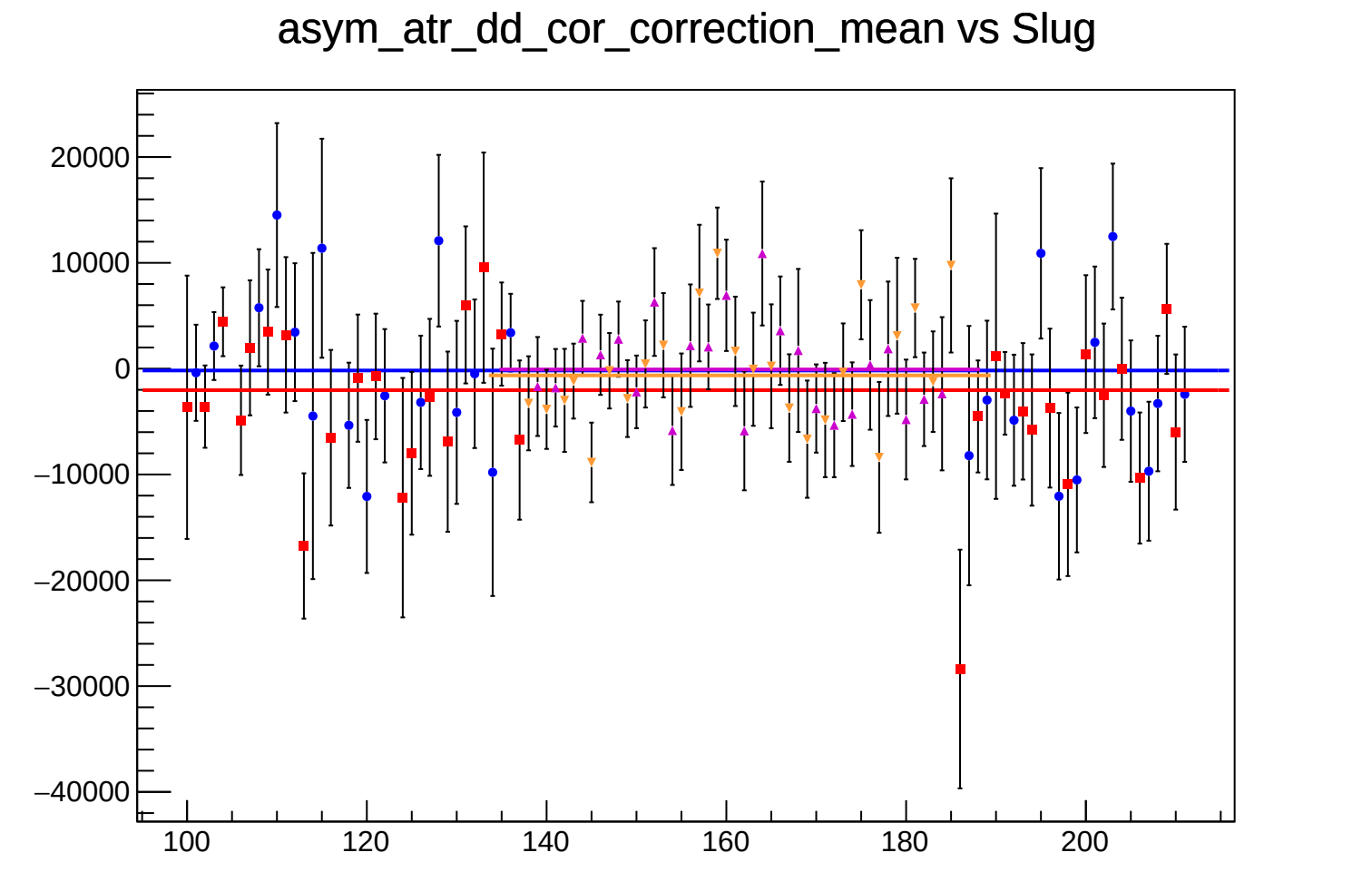
Right Out: 1924.331+/-0.325 χ^2/NDF: 397429.5/32

Left In: 1825.165+/-0.301 χ^2/NDF:13360.2/22

+ sign 1868.171+/-0.221 χ^2/NDF: 782830.6/52

All: 1869.604+/-0.156 χ^2/NDF: 1243781.2/10

- sign 1871.032+/-0.221 χ^2/NDF: 460866.9/55



Right In: -173.905+/-1199.193 χ^2/NDF: 28.0/27

Left Out: -637.720+/-946.866 χ^2/NDF:26.0/24

Right Out: -2034.317+/-1095.473 χ^2/NDF: 28.0/32

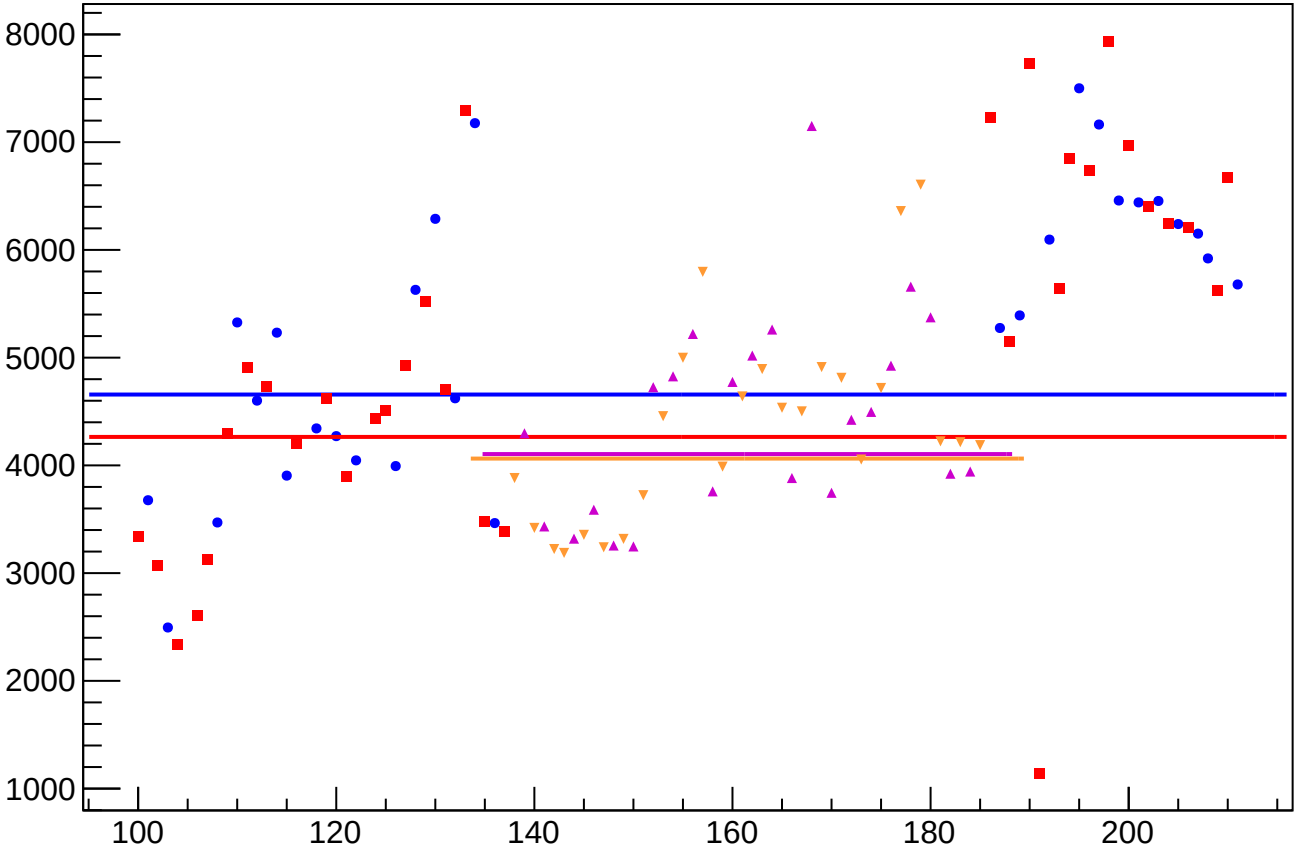
Left In: -75.789+/-980.241 χ^2/NDF:15.4/22

+ sign -459.603+/-743.138 χ^2/NDF: 54.1/52

All: -707.312+/-520.948 χ^2/NDF: 99.5/108

- sign -946.661+/-730.489 χ^2/NDF: 45.2/55

asym_atr_dd_cor_correction_rms vs Slug



Right In: 4657.578+/-0.848 χ^2/NDF: 2902274.8/27

Left Out: 4063.106+/-0.670 χ^2/NDF:1405030.5/24

Right Out: 4264.180+/-0.775 χ^2/NDF: 5196923.4/32

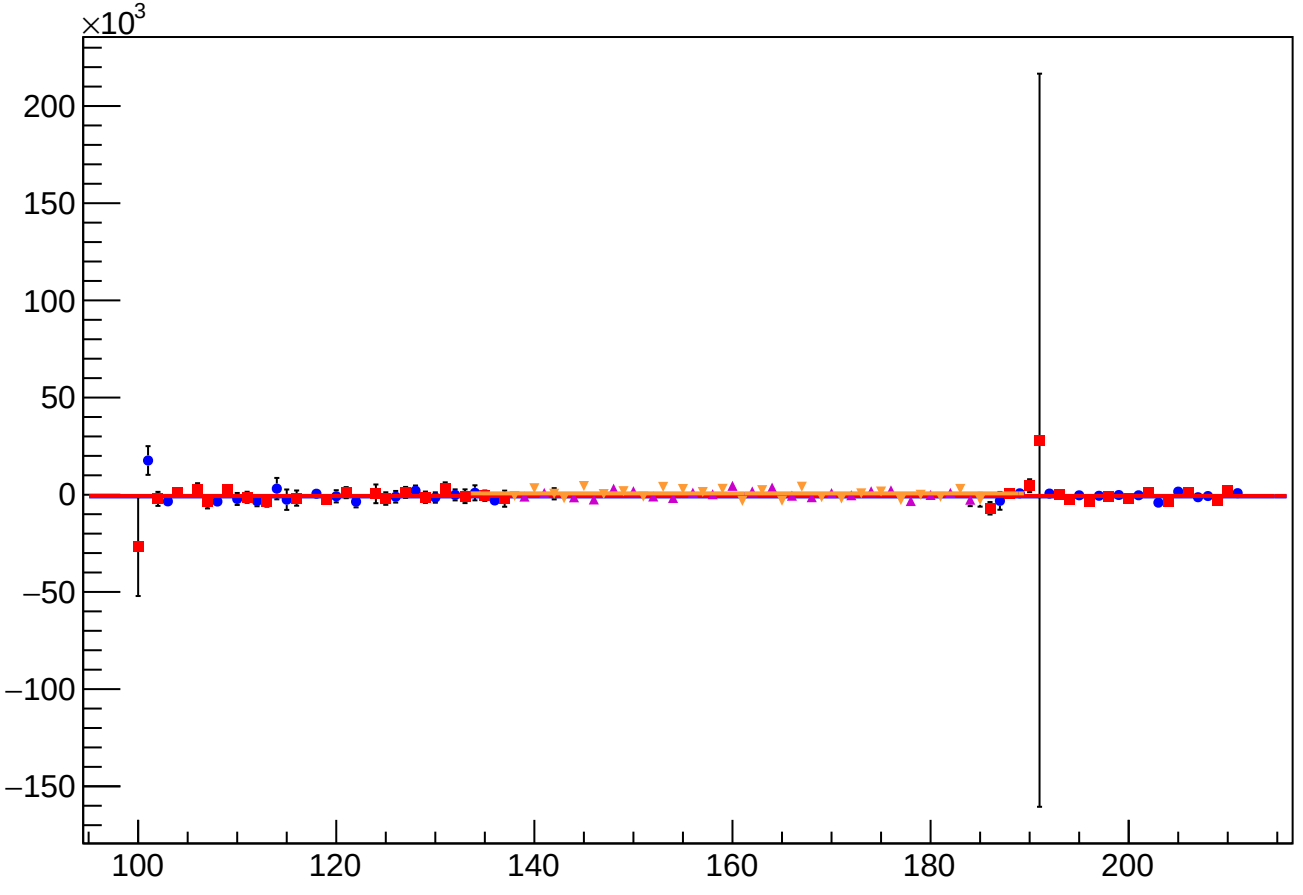
Left In: 4105.050+/-0.693 χ^2/NDF:1359501.9/22

+ sign 4291.398+/-0.525 χ^2/NDF: 4610050.2/52

All: 4232.611+/-0.368 χ^2/NDF: 11214521.2/1

- sign 4175.808+/-0.517 χ^2/NDF: 6579862.0/55

eigen_cor_asym_atr_dd_mean vs Slug



Right In: -864.570+/-476.082 χ^2/NDF: 20.1/27

Left Out: 705.801+/-415.383 χ^2/NDF:31.9/24

Right Out: -607.370+/-459.750 χ^2/NDF: 25.9/32

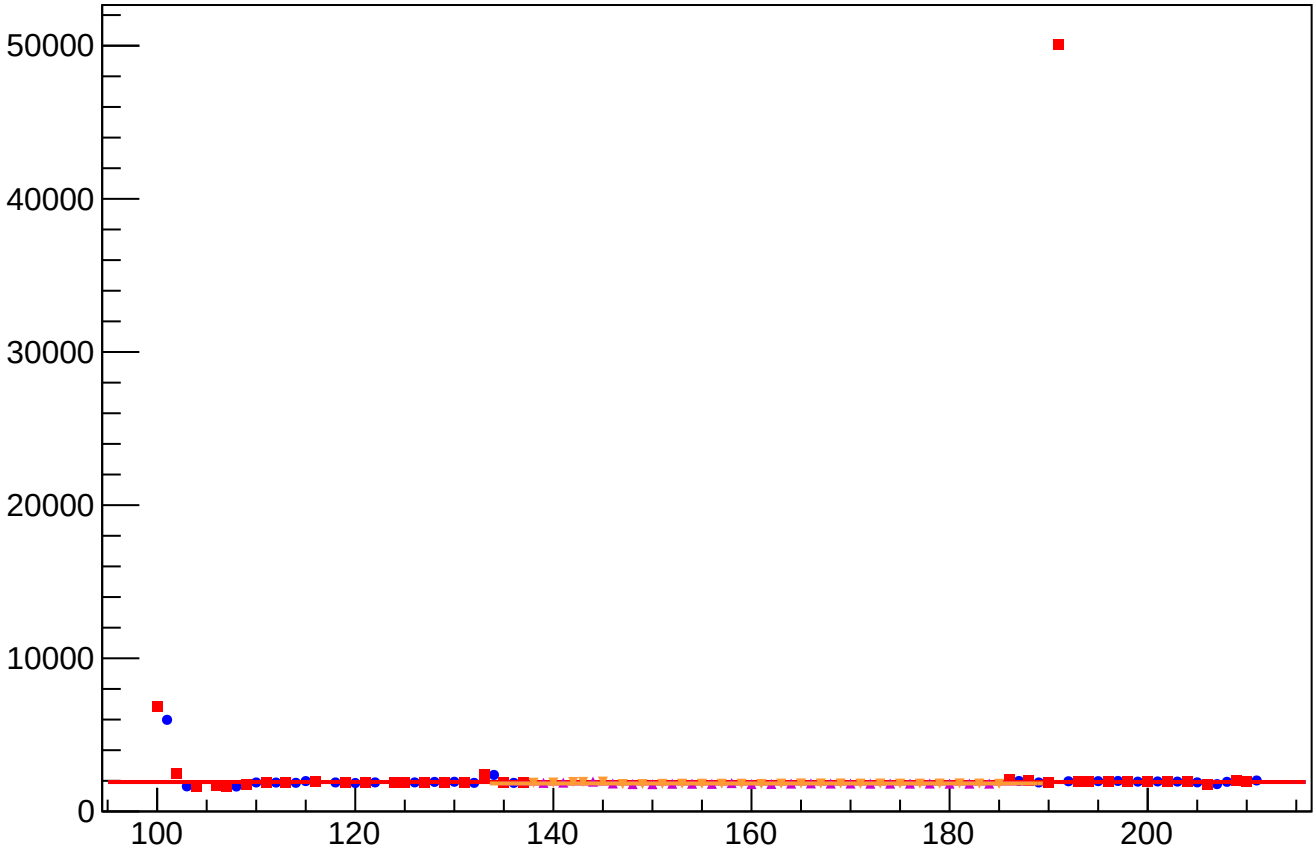
Left In: 402.981+/-426.215 χ^2/NDF:20.8/22

+ sign 27.047+/-312.995 χ^2/NDF: 58.2/52

All: -18.543+/-221.168 χ^2/NDF: 107.4/108

- sign -64.006+/-312.563 χ^2/NDF: 49.2/55

eigen_cor_asym_atr_dd_rms vs Slug



Right In: 1920.620+/-0.337 χ^2/NDF: 720747.6/27

Left Out: 1828.243+/-0.294 χ^2/NDF:19329.0/24

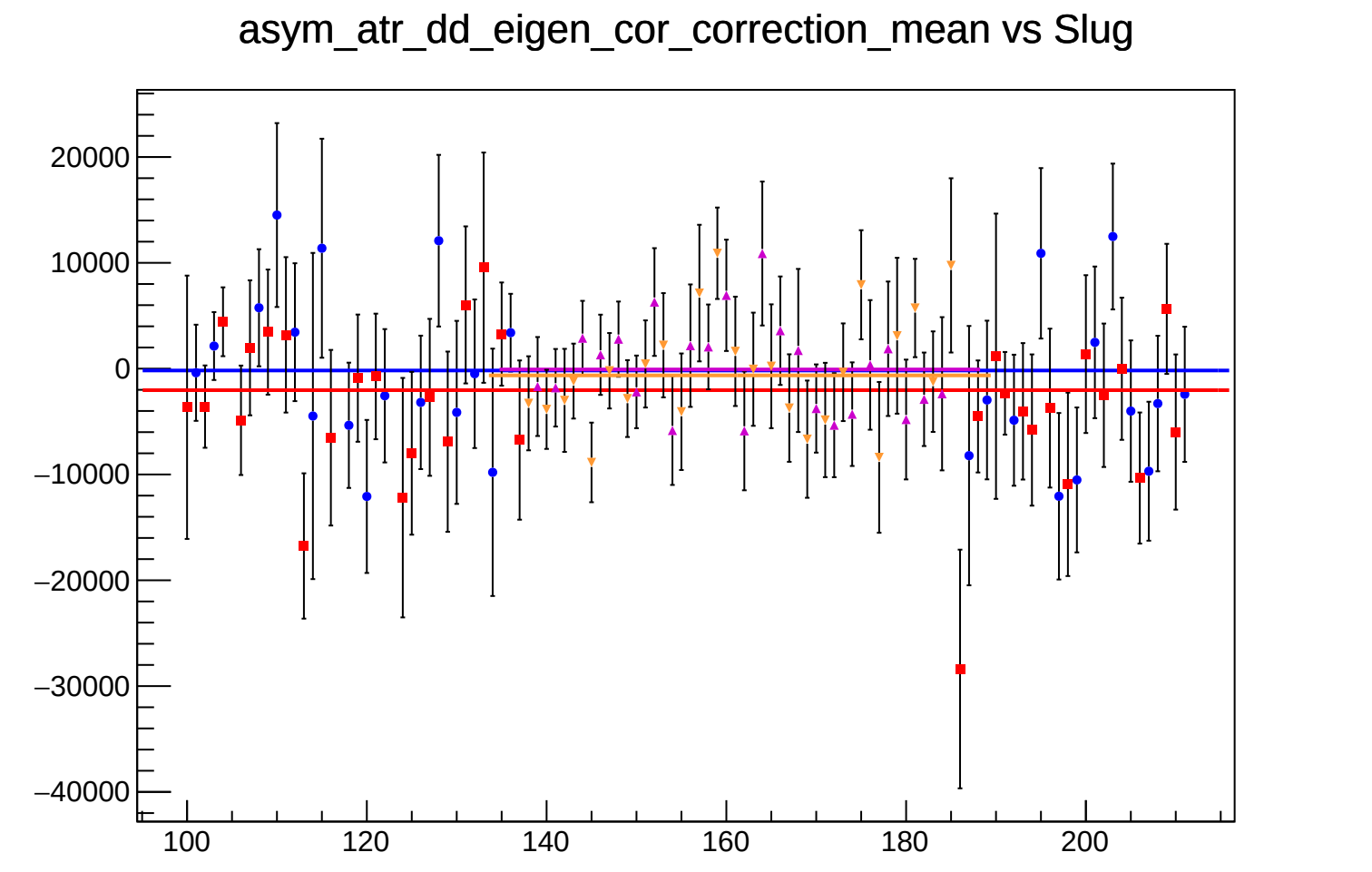
Right Out: 1924.331+/-0.325 χ^2/NDF: 397429.5/32

Left In: 1825.165+/-0.301 χ^2/NDF:13360.2/22

+ sign 1868.171+/-0.221 χ^2/NDF: 782830.6/52

All: 1869.604+/-0.156 χ^2/NDF: 1243781.2/10

- sign 1871.032+/-0.221 χ^2/NDF: 460866.9/55



Right In: -173.905+/-1199.193 χ^2/NDF: 28.0/27

Left Out: -637.720+/-946.866 χ^2/NDF:26.0/24

Right Out: -2034.317+/-1095.473 χ^2/NDF: 28.0/32

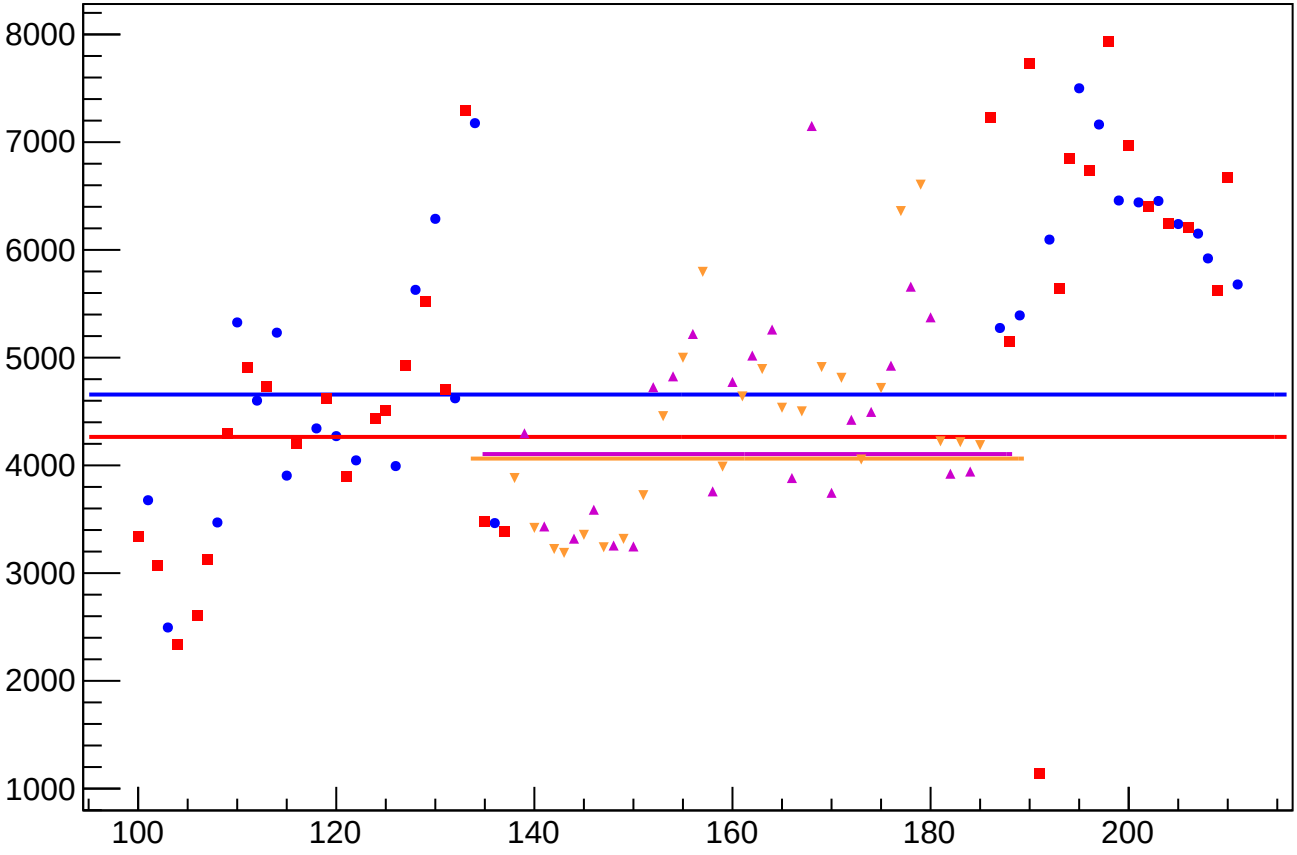
Left In: -75.789+/-980.241 χ^2/NDF:15.4/22

+ sign -459.603+/-743.138 χ^2/NDF: 54.1/52

All: -707.312+/-520.948 χ^2/NDF: 99.5/108

- sign -946.661+/-730.489 χ^2/NDF: 45.2/55

asym_atr_dd_eigen_cor_correction_rms vs Slug



Right In: 4657.578+/-0.848 χ^2/NDF: 2902274.8/27

Left Out: 4063.106+/-0.670 χ^2/NDF:1405030.5/24

Right Out: 4264.180+/-0.775 χ^2/NDF: 5196923.4/32

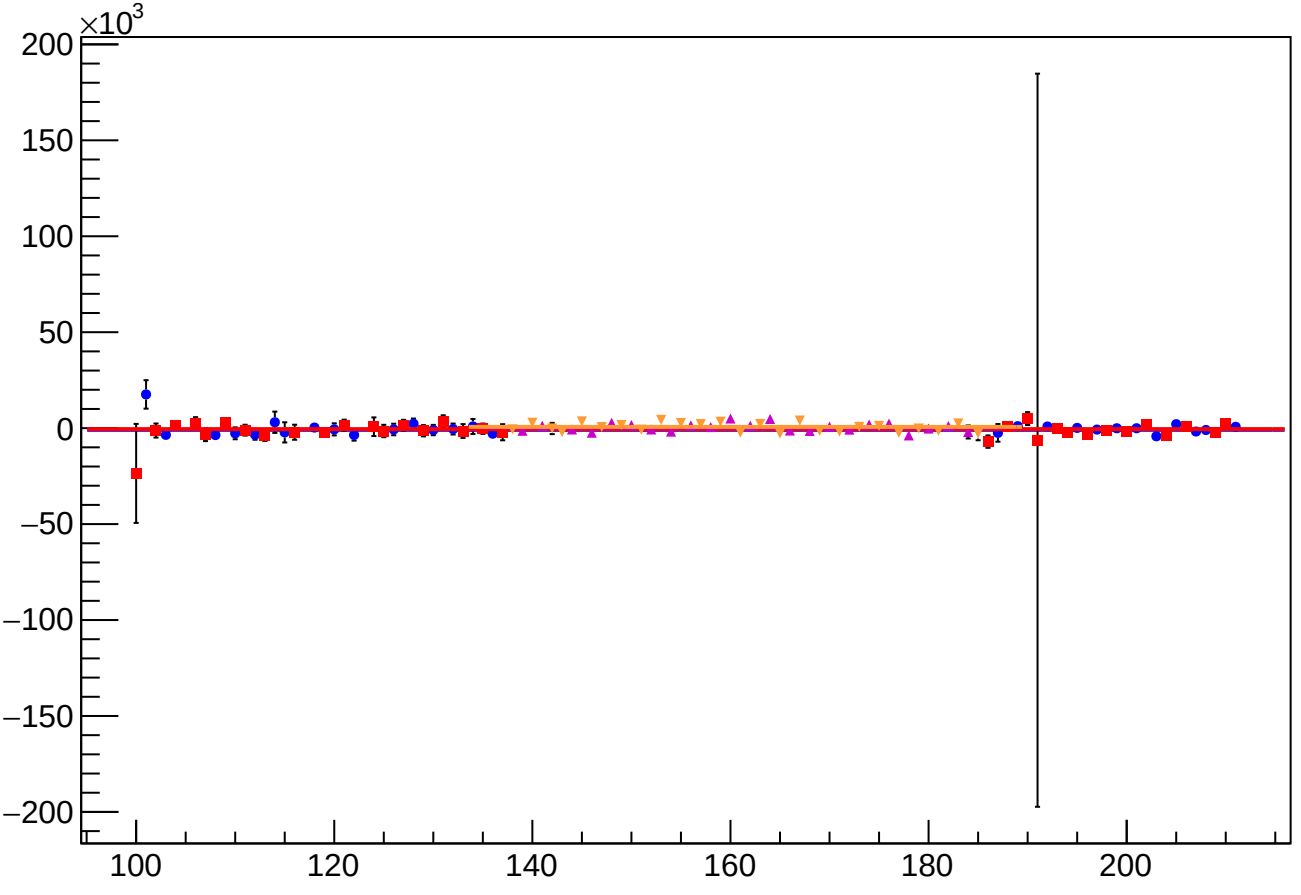
Left In: 4105.050+/-0.693 χ^2/NDF:1359501.9/22

+ sign 4291.398+/-0.525 χ^2/NDF: 4610050.2/52

All: 4232.611+/-0.368 χ^2/NDF: 11214521.2/1

- sign 4175.808+/-0.517 χ^2/NDF: 6579862.0/55

dit_asym_atr_dd_mean vs Slug



Right In: -851.496+/-480.006 χ^2/NDF: 21.4/27

Left Out: 657.616+/-423.063 χ^2/NDF:27.0/24

Right Out: -530.676+/-463.965 χ^2/NDF: 27.9/32

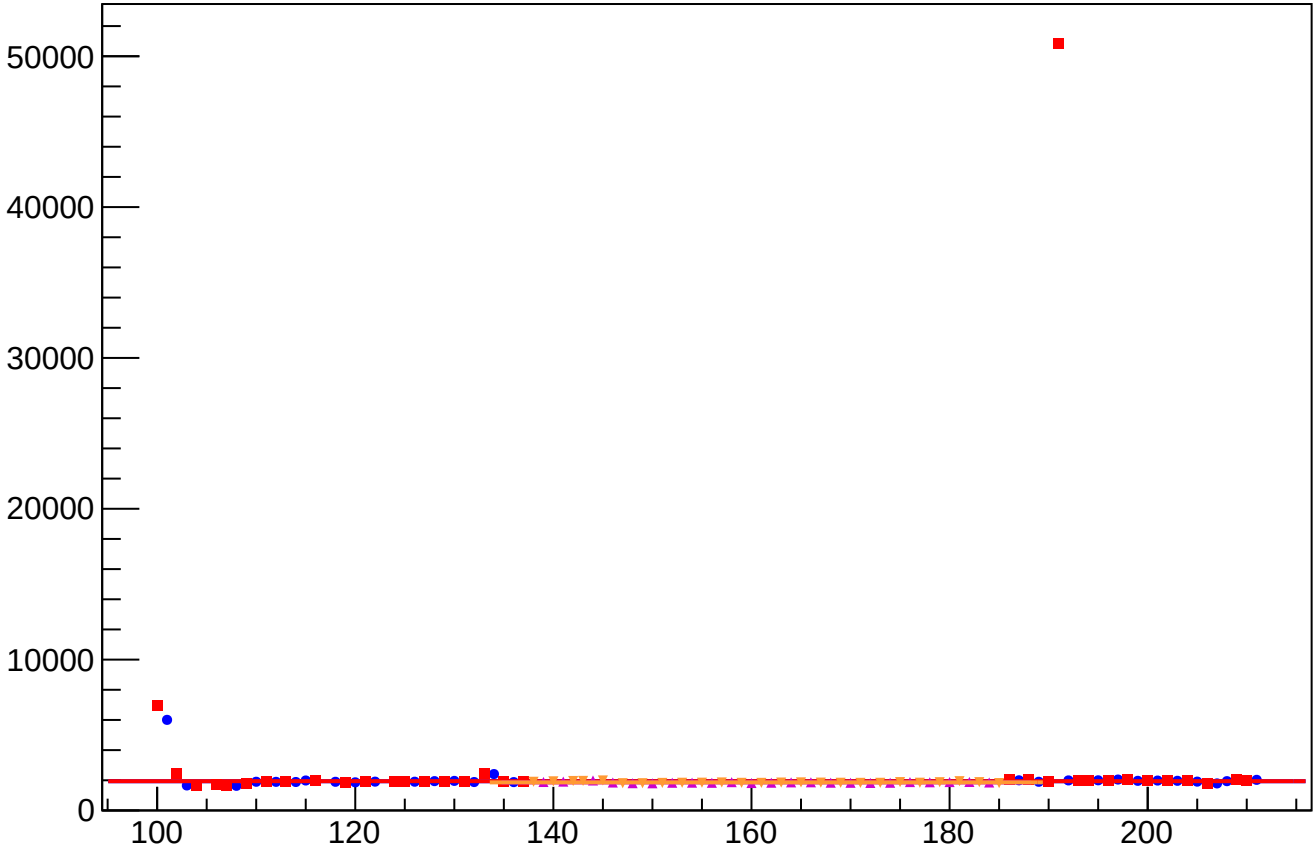
Left In: 410.869+/-433.856 χ^2/NDF:23.6/22

+ sign -2.160+/-317.383 χ^2/NDF: 54.0/52

All: -15.283+/-224.250 χ^2/NDF: 107.8/108

- sign -28.364+/-316.892 χ^2/NDF: 53.8/55

dit_asym_atr_dd_rms vs Slug



Right In: 1936.280+/-0.339 χ^2/NDF: 723990.7/27

Left Out: 1861.731+/-0.299 χ^2/NDF:26014.9/24

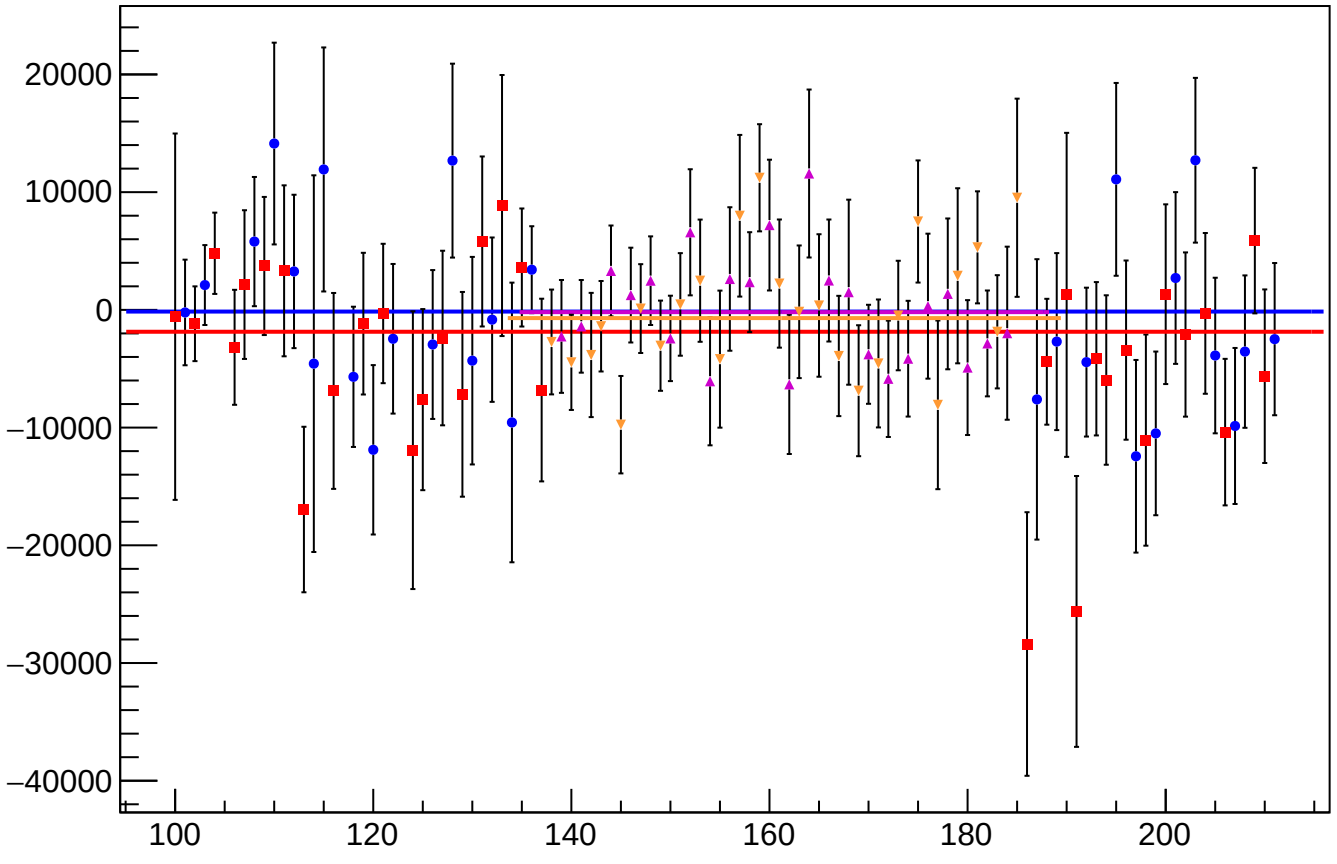
Right Out: 1941.427+/-0.328 χ^2/NDF: 406317.7/32

Left In: 1857.661+/-0.307 χ^2/NDF:16381.0/22

+ sign 1894.323+/-0.224 χ^2/NDF: 777156.1/52

All: 1895.542+/-0.159 χ^2/NDF: 1234710.8/10

- sign 1896.757+/-0.224 χ^2/NDF: 457495.7/55



Right In: -143.597+/-1213.777 χ^2/NDF: 27.9/27

Left Out: -698.287+/-990.035 χ^2/NDF:25.3/24

Right Out: -1858.496+/-1125.056 χ^2/NDF: 31.7/32

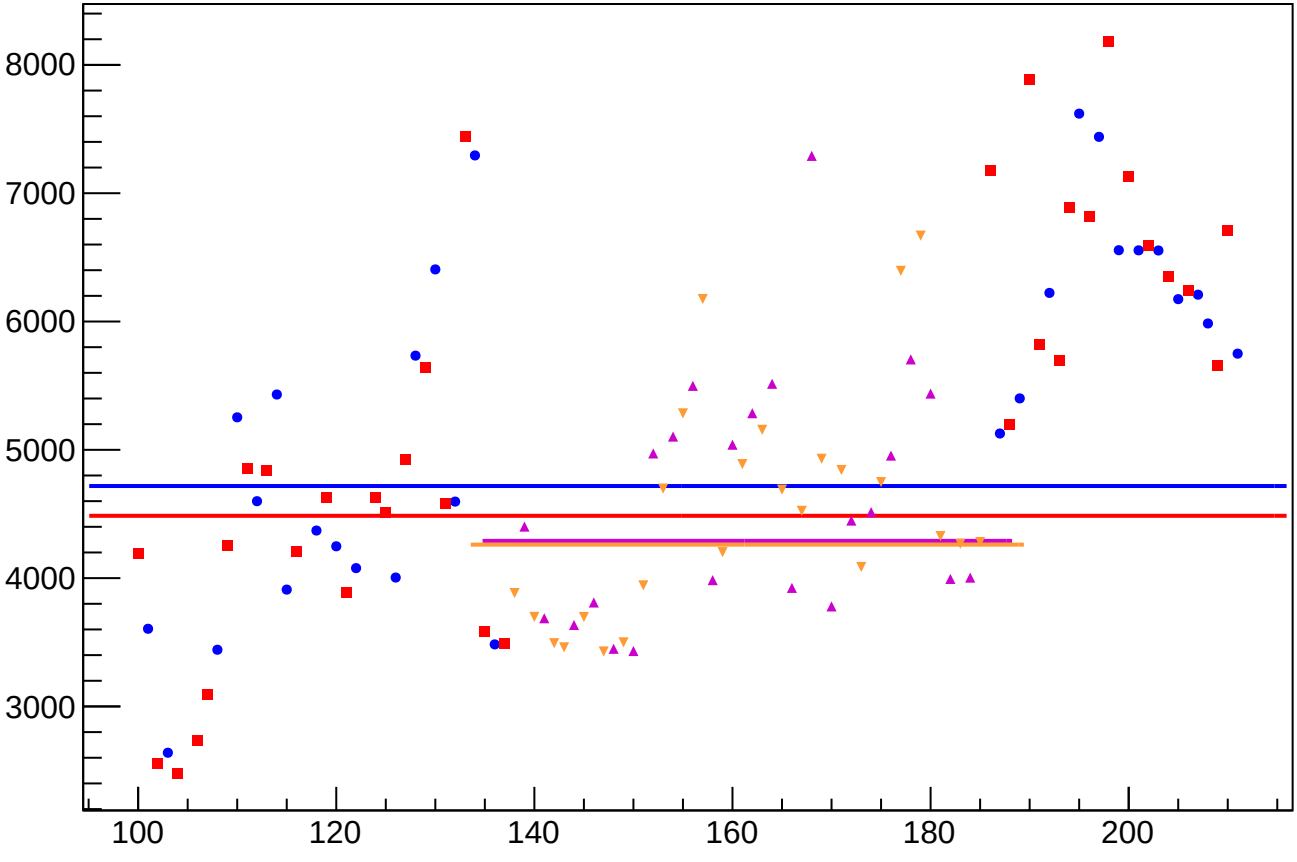
Left In: -192.486+/-1022.469 χ^2/NDF:15.2/22

+ sign -476.682+/-767.190 χ^2/NDF: 53.3/52

All: -714.626+/-538.727 χ^2/NDF: 101.6/108

- sign -946.088+/-756.669 χ^2/NDF: 48.1/55

asym_atr_dd_dit_correction_rms vs Slug



Right In: 4717.871+/-0.858 χ^2/NDF: 2823250.5/27

Left Out: 4261.124+/-0.700 χ^2/NDF:1190561.4/24

Right Out: 4485.882+/-0.796 χ^2/NDF: 4195864.7/32

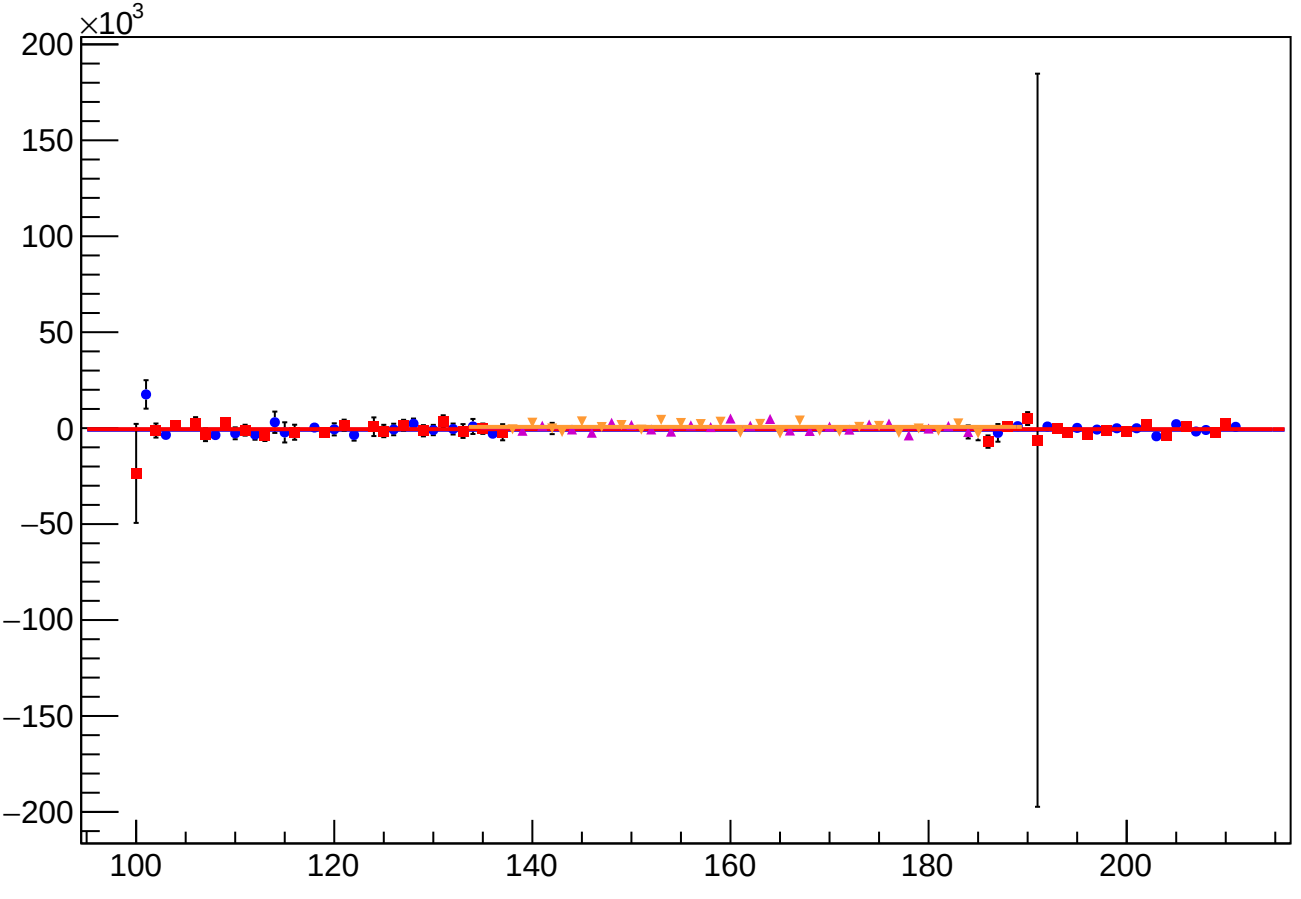
Left In: 4290.398+/-0.723 χ^2/NDF:1213964.7/22

\+ sign 4443.599+/-0.542 χ^2/NDF: 4183874.8/52

All: 4410.764+/-0.381 χ^2/NDF: 9634000.2/10

\- sign 4378.823+/-0.535 χ^2/NDF: 5442898.0/55

eigen_dit_asym_atr_dd_mean vs Slug



Right In: -851.497+/-480.006 χ^2/NDF: 21.4/27

Left Out: 657.622+/-423.063 χ^2/NDF:27.0/24

Right Out: -530.674+/-463.965 χ^2/NDF: 27.9/32

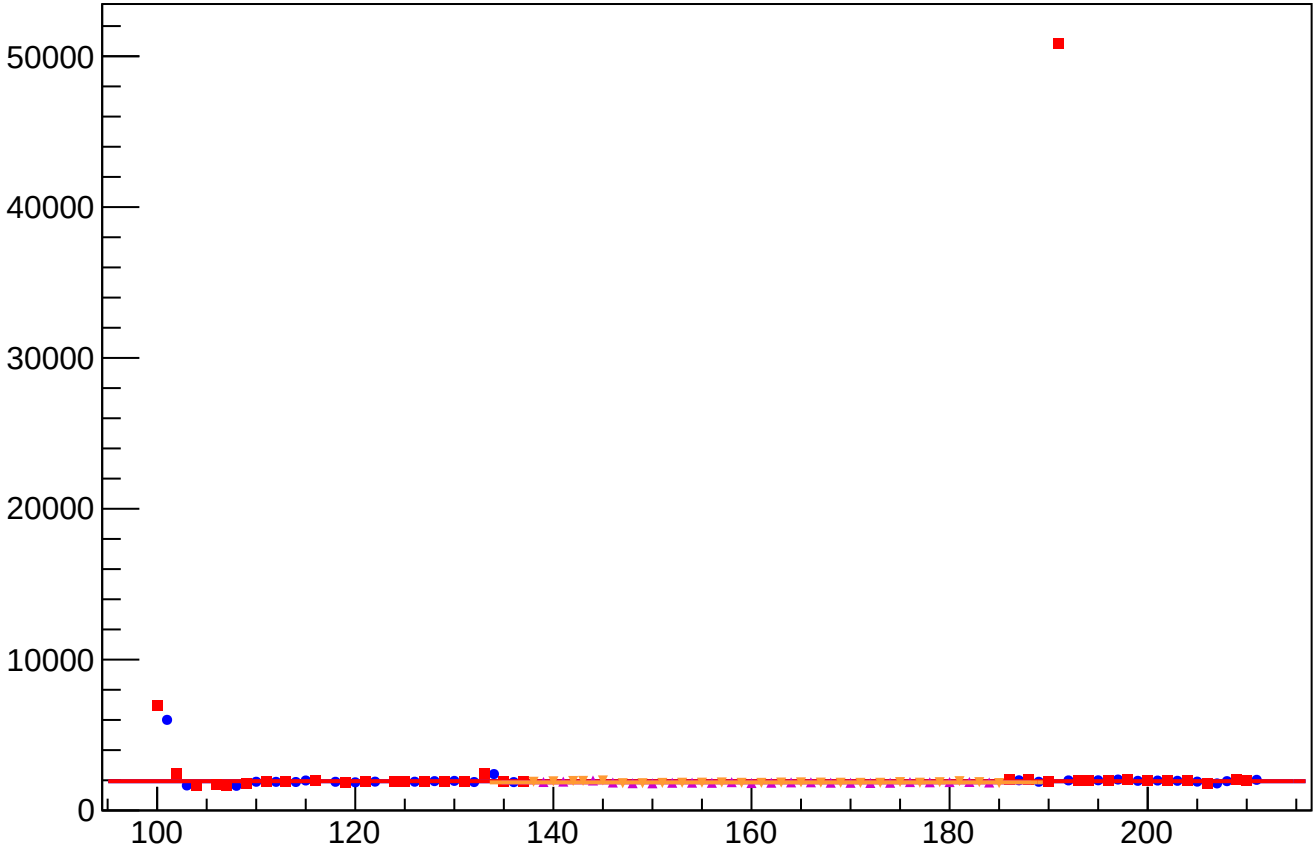
Left In: 410.869+/-433.856 χ^2/NDF:23.6/22

+ sign -2.158+/-317.383 χ^2/NDF: 54.0/52

All: -15.281+/-224.250 χ^2/NDF: 107.8/108

- sign -28.364+/-316.892 χ^2/NDF: 53.8/55

eigen_dit_asym_atr_dd_rms vs Slug



Right In: 1936.280+/-0.339 χ^2/NDF: 723990.6/27

Left Out: 1861.731+/-0.299 χ^2/NDF:26014.9/24

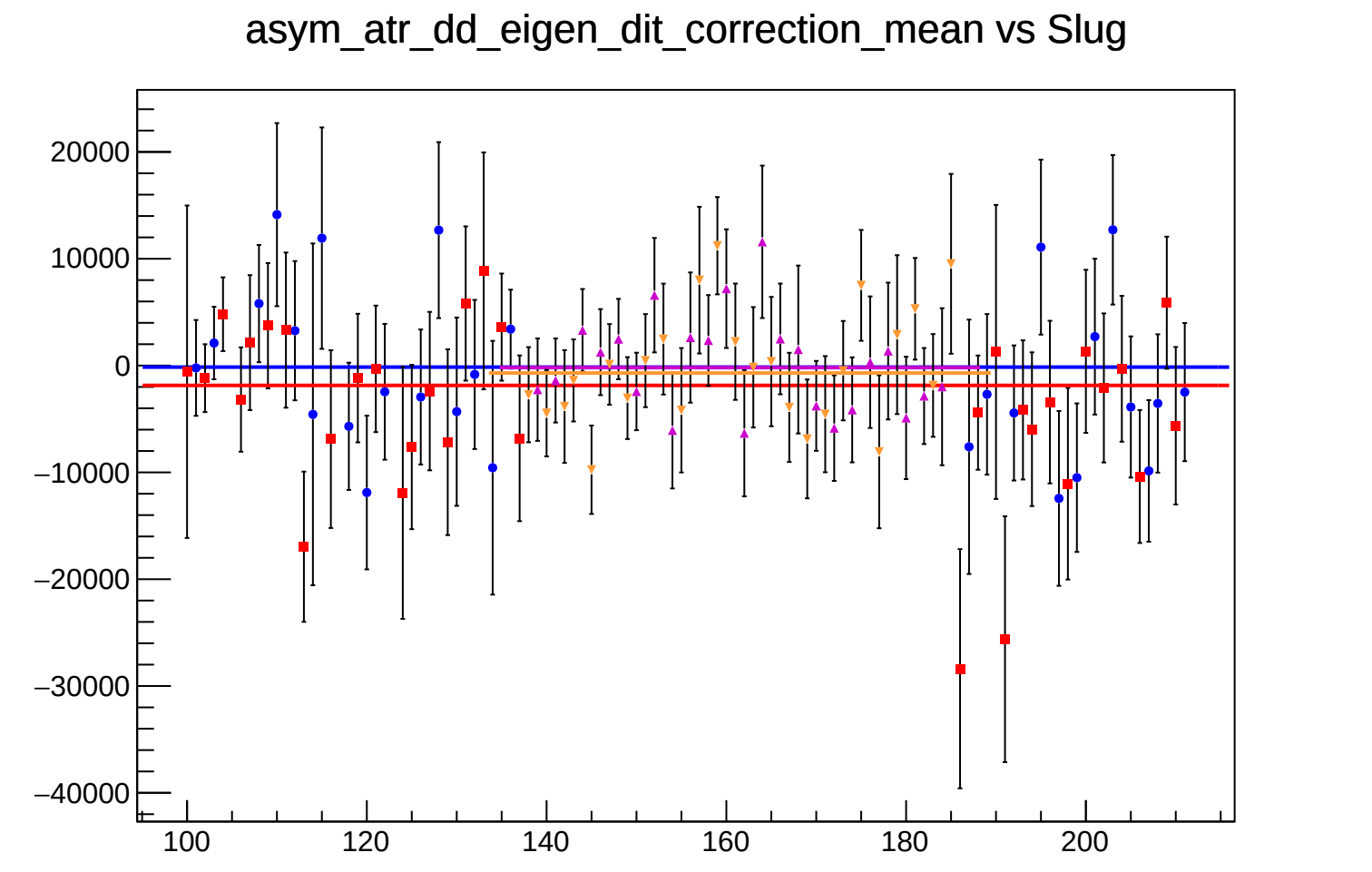
Right Out: 1941.427+/-0.328 χ^2/NDF: 406317.9/32

Left In: 1857.661+/-0.307 χ^2/NDF:16380.9/22

+ sign 1894.323+/-0.224 χ^2/NDF: 777155.6/52

All: 1895.543+/-0.159 χ^2/NDF: 1234709.9/10

- sign 1896.757+/-0.224 χ^2/NDF: 457495.4/55



Right In: -143.604+/-1213.777 χ^2/NDF: 27.9/27

Left Out: -698.285+/-990.036 χ^2/NDF:25.3/24

Right Out: -1858.494+/-1125.055 χ^2/NDF: 31.7/32

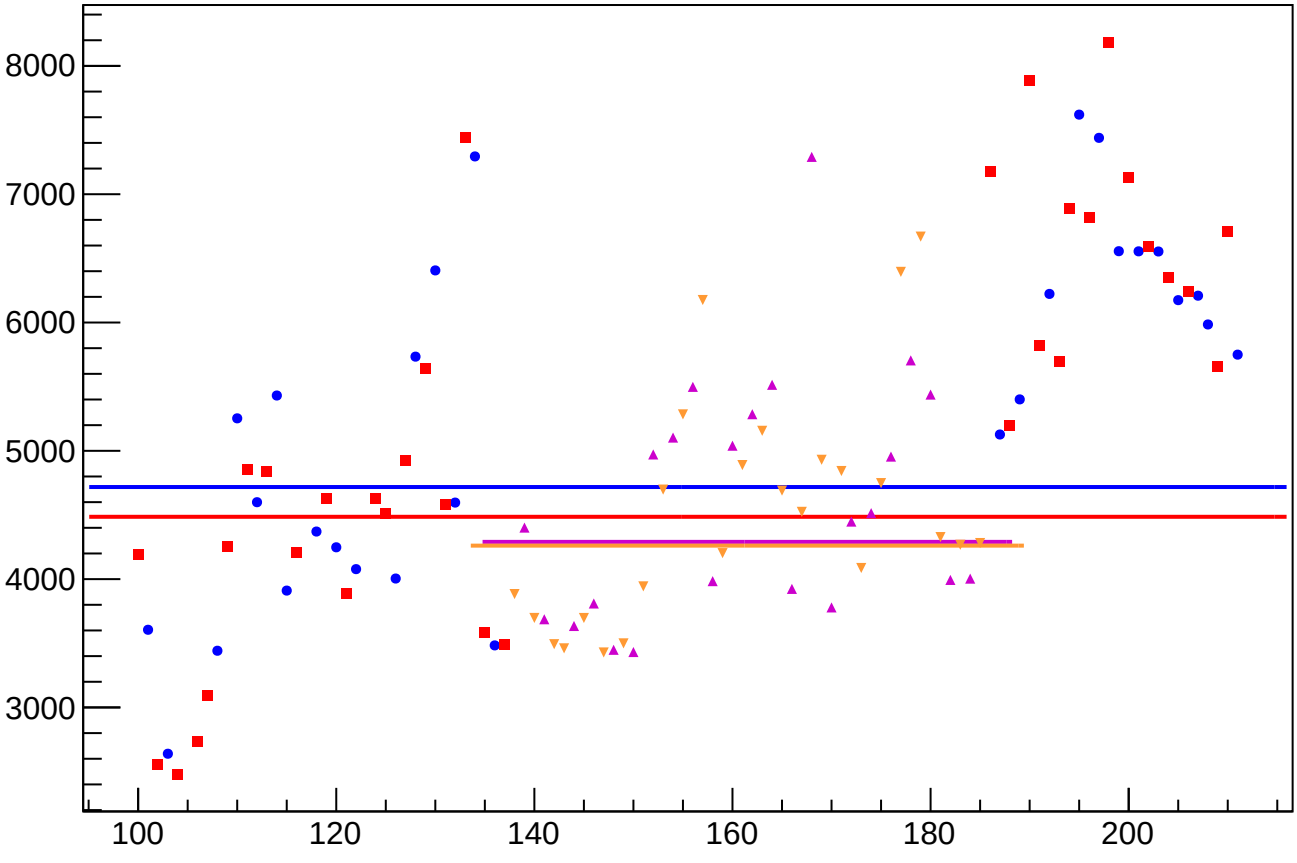
Left In: -192.488+/-1022.471 χ^2/NDF:15.2/22

+ sign -476.683+/-767.191 χ^2/NDF: 53.3/52

All: -714.627+/-538.728 χ^2/NDF: 101.6/108

- sign -946.089+/-756.670 χ^2/NDF: 48.1/55

asym_atr_dd_eigen_dit_correction_rms vs Slug



Right In: 4717.870+/-0.858 χ^2/NDF: 2823258.1/27

Left Out: 4261.131+/-0.700 χ^2/NDF:1190564.2/24

Right Out: 4485.880+/-0.796 χ^2/NDF: 4195872.7/32

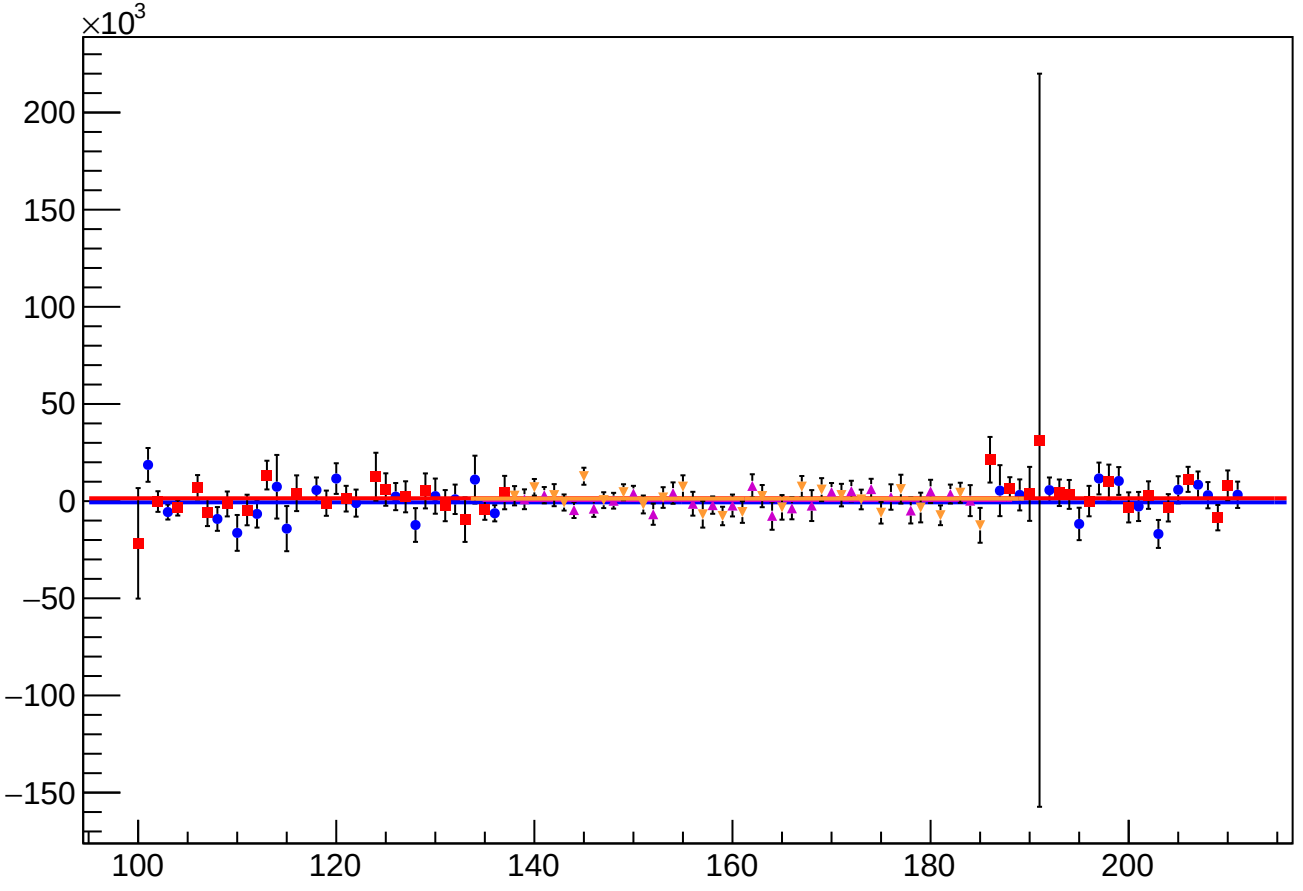
Left In: 4290.404+/-0.723 χ^2/NDF:1213970.5/22

+ sign 4443.603+/-0.542 χ^2/NDF: 4183879.3/52

All: 4410.767+/-0.381 χ^2/NDF: 9634015.8/10

- sign 4378.826+/-0.535 χ^2/NDF: 5442908.8/55

asym_atr_dd_mean vs Slug



Right In: -614.407+/-1342.511 χ^2/NDF: 38.2/27

Left Out: 1298.373+/-1049.555 χ^2/NDF:28.5/24

Right Out: 1476.002+/-1277.895 χ^2/NDF: 22.4/32

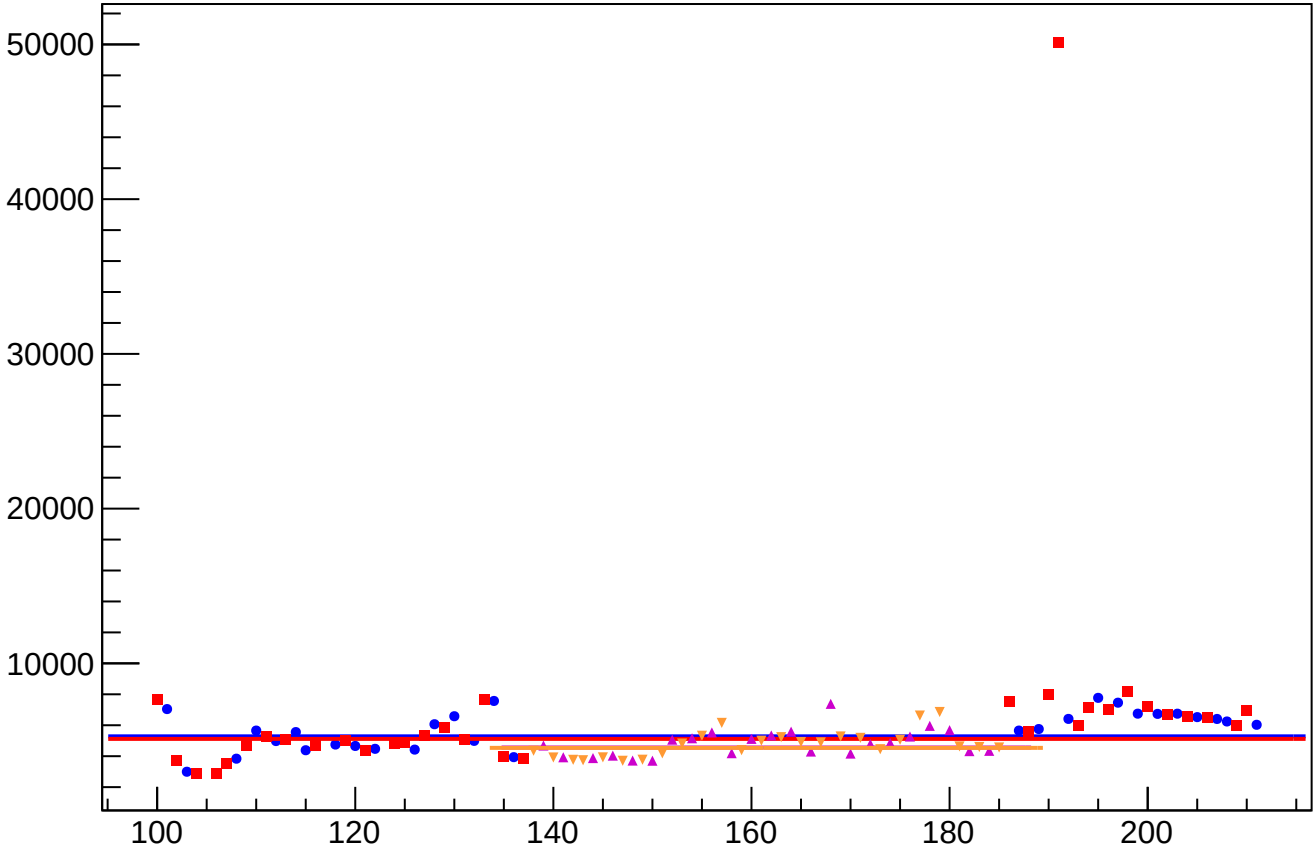
Left In: 576.442+/-1082.127 χ^2/NDF:14.4/22

+ sign 572.779+/-826.860 χ^2/NDF: 67.9/52

All: 762.685+/-584.309 χ^2/NDF: 105.1/108

- sign 952.112+/-825.816 χ^2/NDF: 37.1/55

asym_atr_dd_rms vs Slug



Right In: 5282.485+/-0.949 χ^2/NDF: 2148040.3/27

Left Out: 4537.934+/-0.742 χ^2/NDF:992905.4/24

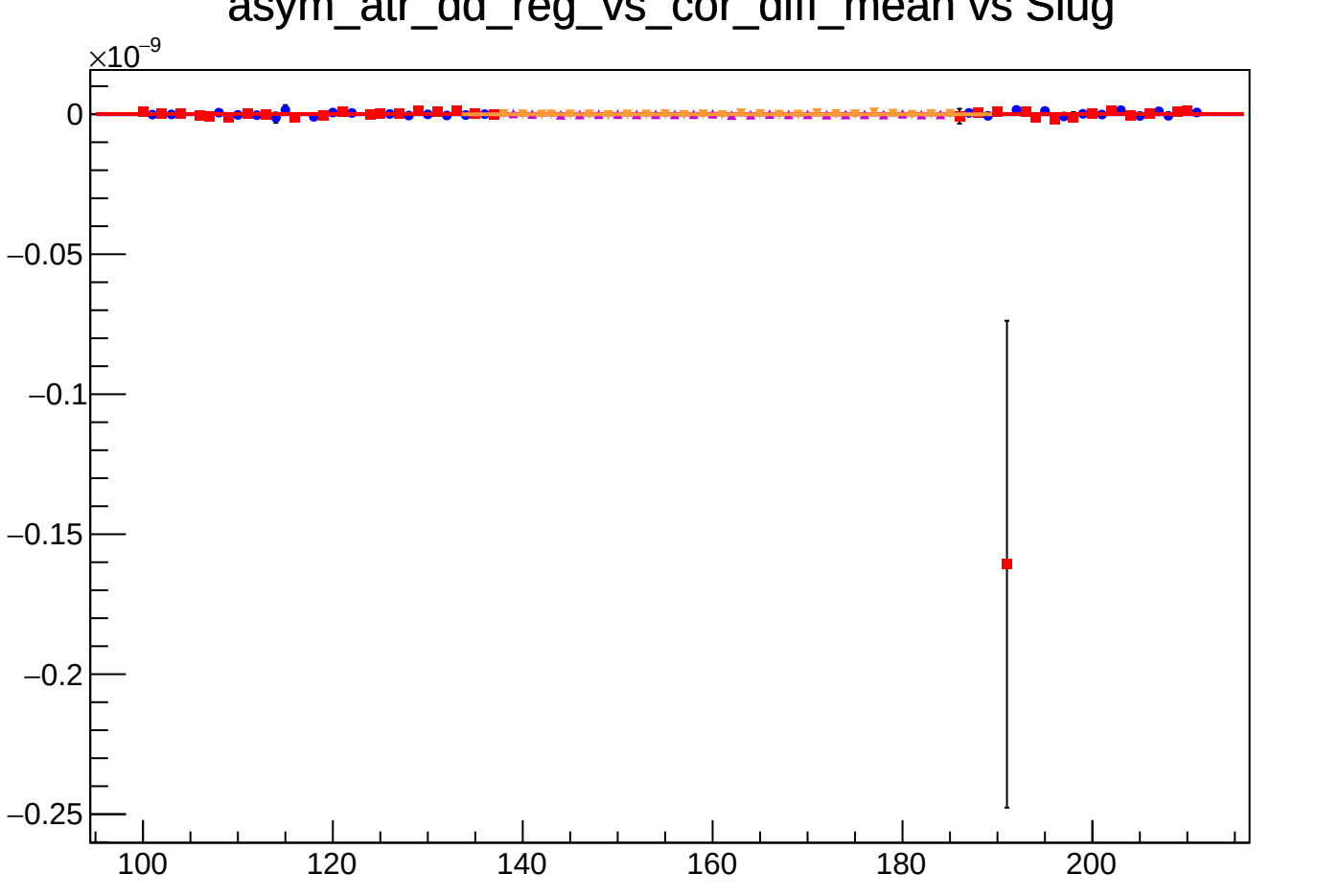
Right Out: 5118.626+/-0.899 χ^2/NDF: 2899609.8/32

Left In: 4560.506+/-0.765 χ^2/NDF:980201.3/22

+ sign 4820.372+/-0.585 χ^2/NDF: 3522747.1/52

All: 4807.628+/-0.413 χ^2/NDF: 7627005.5/10

- sign 4794.971+/-0.583 χ^2/NDF: 4103311.4/55



Right In: 0.000+/-0.000 χ^2/NDF: 26.3/27

Left Out: -0.000+/-0.000 χ^2/NDF:37.9/24

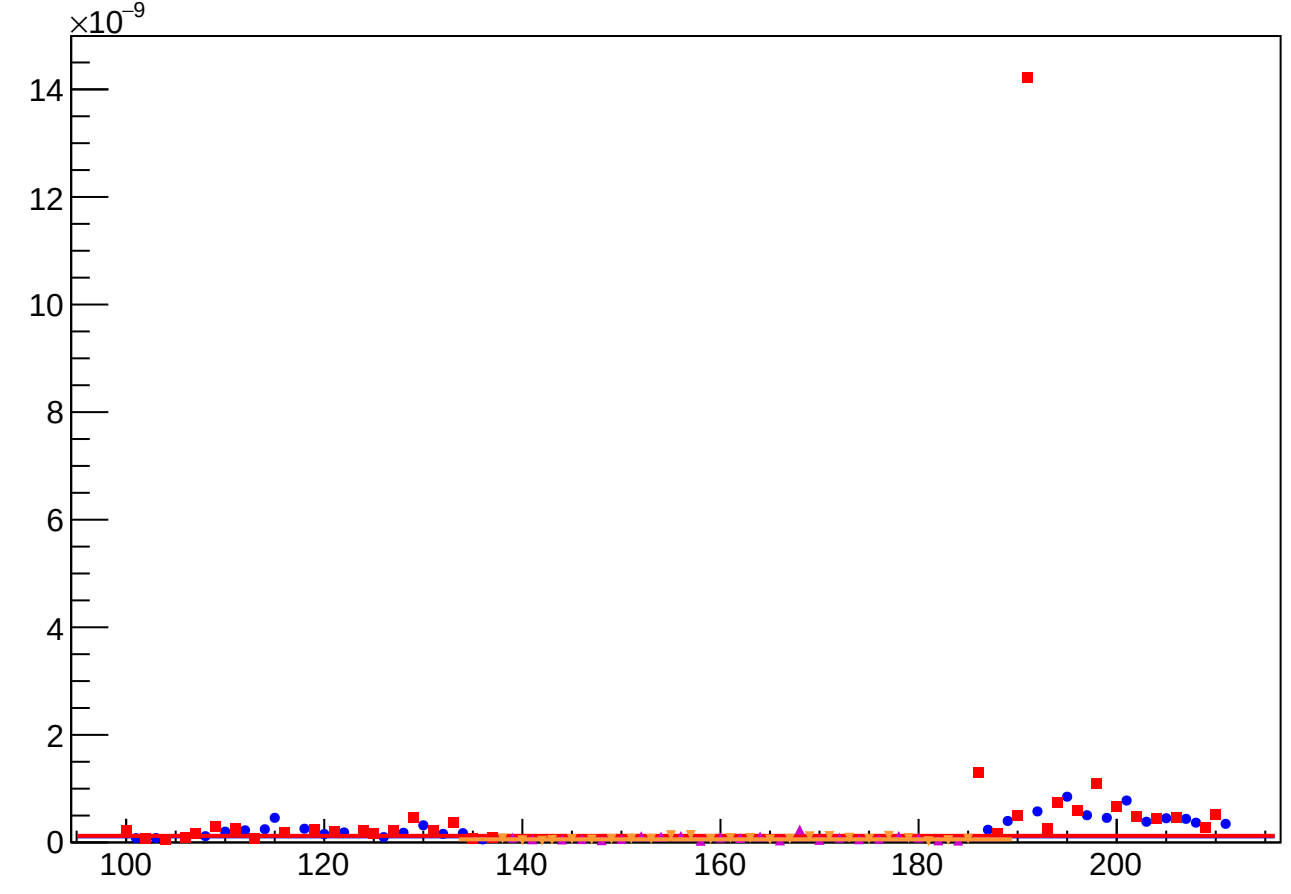
Right Out: 0.000+/-0.000 χ^2/NDF: 42.6/32

Left In: -0.000+/-0.000 χ^2/NDF:20.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 64.4/52

All: -0.000+/-0.000 χ^2/NDF: 130.9/108

- sign 0.000+/-0.000 χ^2/NDF: 65.7/55



Right In: 0.000+/-0.000 χ^2/NDF: 6021874.0/27

Left Out: 0.000+/-0.000 χ^2/NDF:1934390.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6842169.7/32

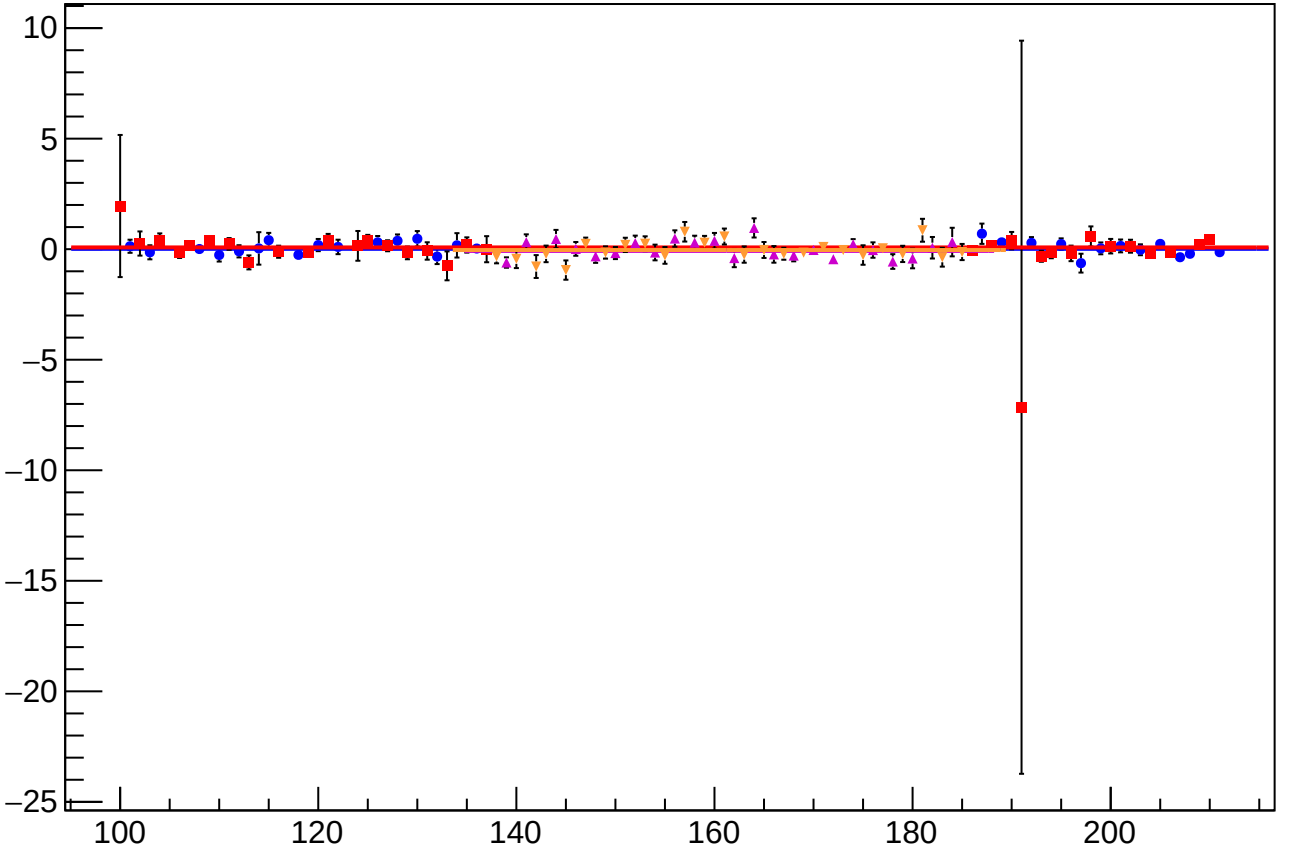
Left In: 0.000+/-0.000 χ^2/NDF:2104577.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 9376495.9/52

All: 0.000+/-0.000 χ^2/NDF: 20040958.2/108

- sign 0.000+/-0.000 χ^2/NDF: 10659001.6/55

asym_atr_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.016+/-0.048 χ^2/NDF: 28.3/27

Left Out: -0.038+/-0.062 χ^2/NDF:24.4/24

Right Out: 0.079+/-0.045 χ^2/NDF: 33.1/32

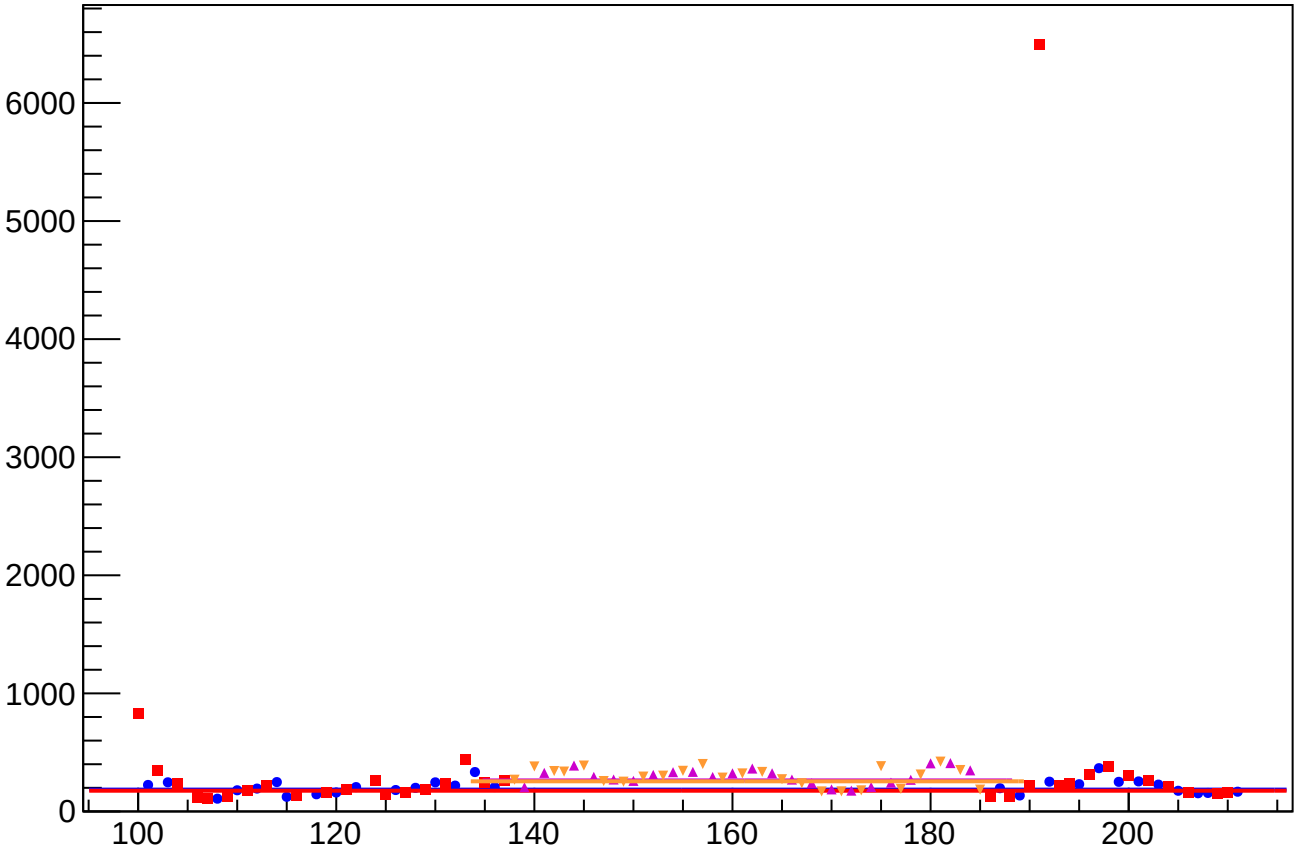
Left In: -0.078+/-0.065 χ^2/NDF:31.1/22

+ sign -0.004+/-0.038 χ^2/NDF: 53.2/52

All: 0.012+/-0.027 χ^2/NDF: 121.7/108

- sign 0.028+/-0.037 χ^2/NDF: 68.1/55

asym_atr_dd_dit_vs_cor_diff_rms vs Slug



Right In: 184.996+/-0.034 χ^2/NDF: 2058805.9/27

Left Out: 255.355+/-0.044 χ^2/NDF:2935324.6/24

Right Out: 175.661+/-0.032 χ^2/NDF: 3592025.6/32

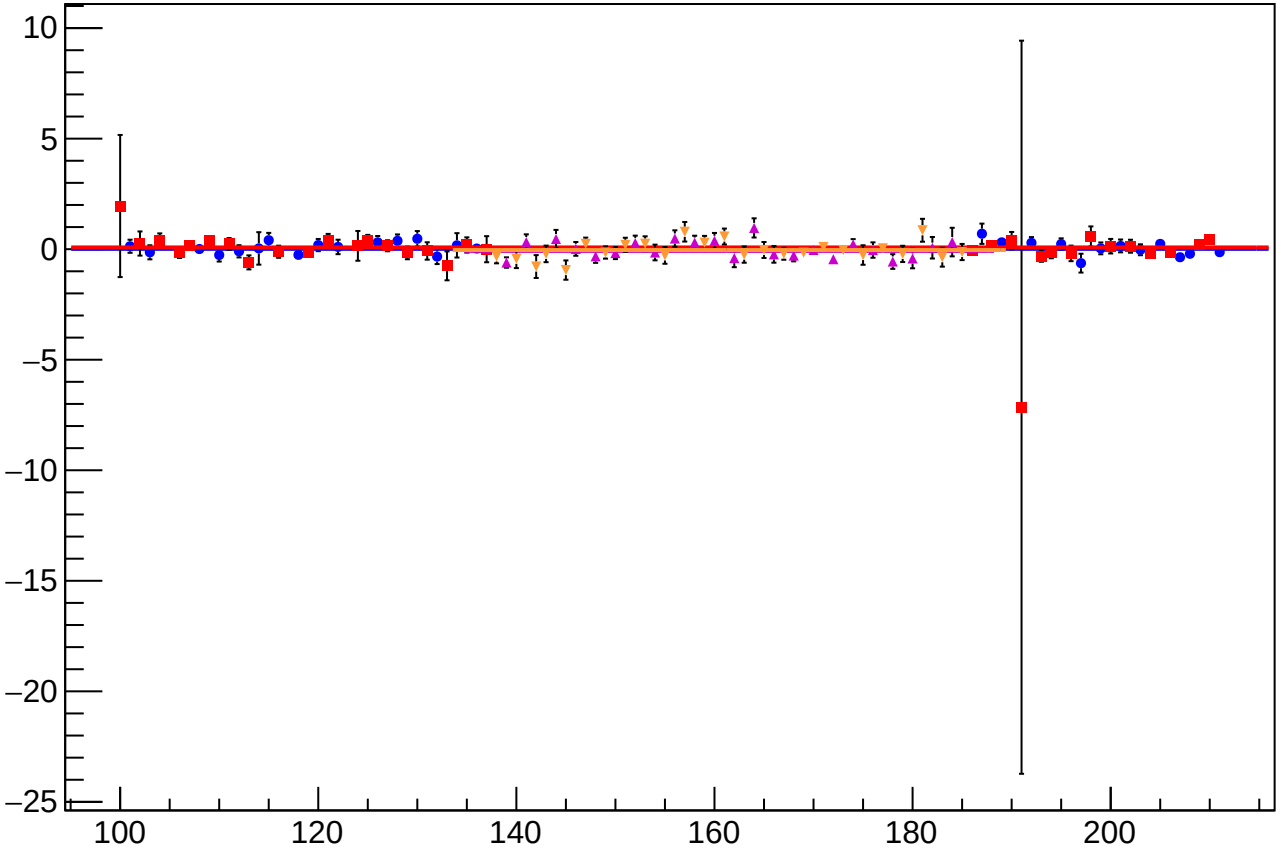
Left In: 262.788+/-0.046 χ^2/NDF:2025363.4/22

+ sign 211.442+/-0.027 χ^2/NDF: 6605709.8/52

All: 207.704+/-0.019 χ^2/NDF: 14688581.6/10

- sign 204.135+/-0.026 χ^2/NDF: 8044972.6/55

asym_atr_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.016+/-0.048 χ^2/NDF: 28.3/27

Left Out: -0.038+/-0.062 χ^2/NDF:24.4/24

Right Out: 0.079+/-0.045 χ^2/NDF: 33.1/32

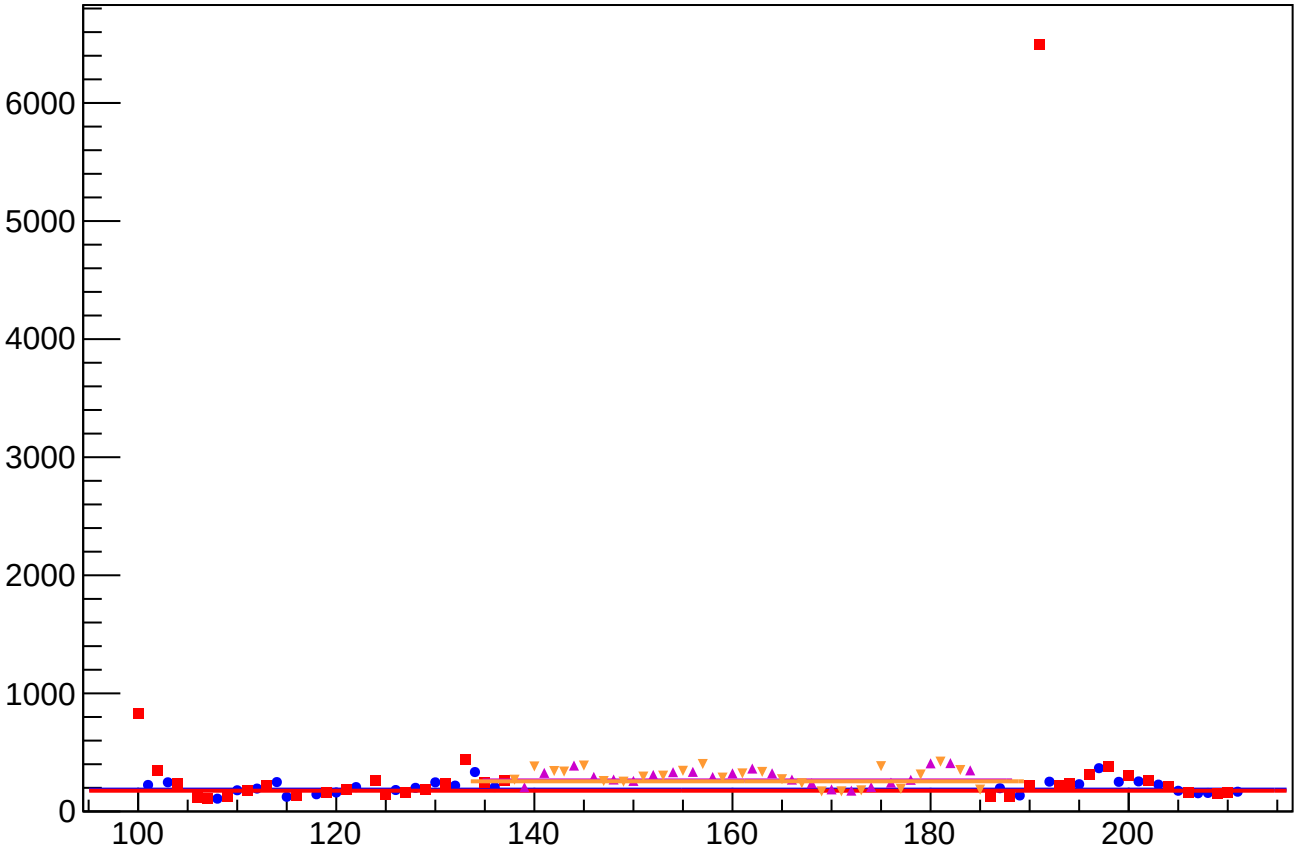
Left In: -0.078+/-0.065 χ^2/NDF:31.1/22

+ sign -0.004+/-0.038 χ^2/NDF: 53.2/52

All: 0.012+/-0.027 χ^2/NDF: 121.7/108

- sign 0.028+/-0.037 χ^2/NDF: 68.1/55

asym_atr_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 184.996+/-0.034 χ^2/NDF: 2058805.9/27

Left Out: 255.355+/-0.044 χ^2/NDF:2935324.6/24

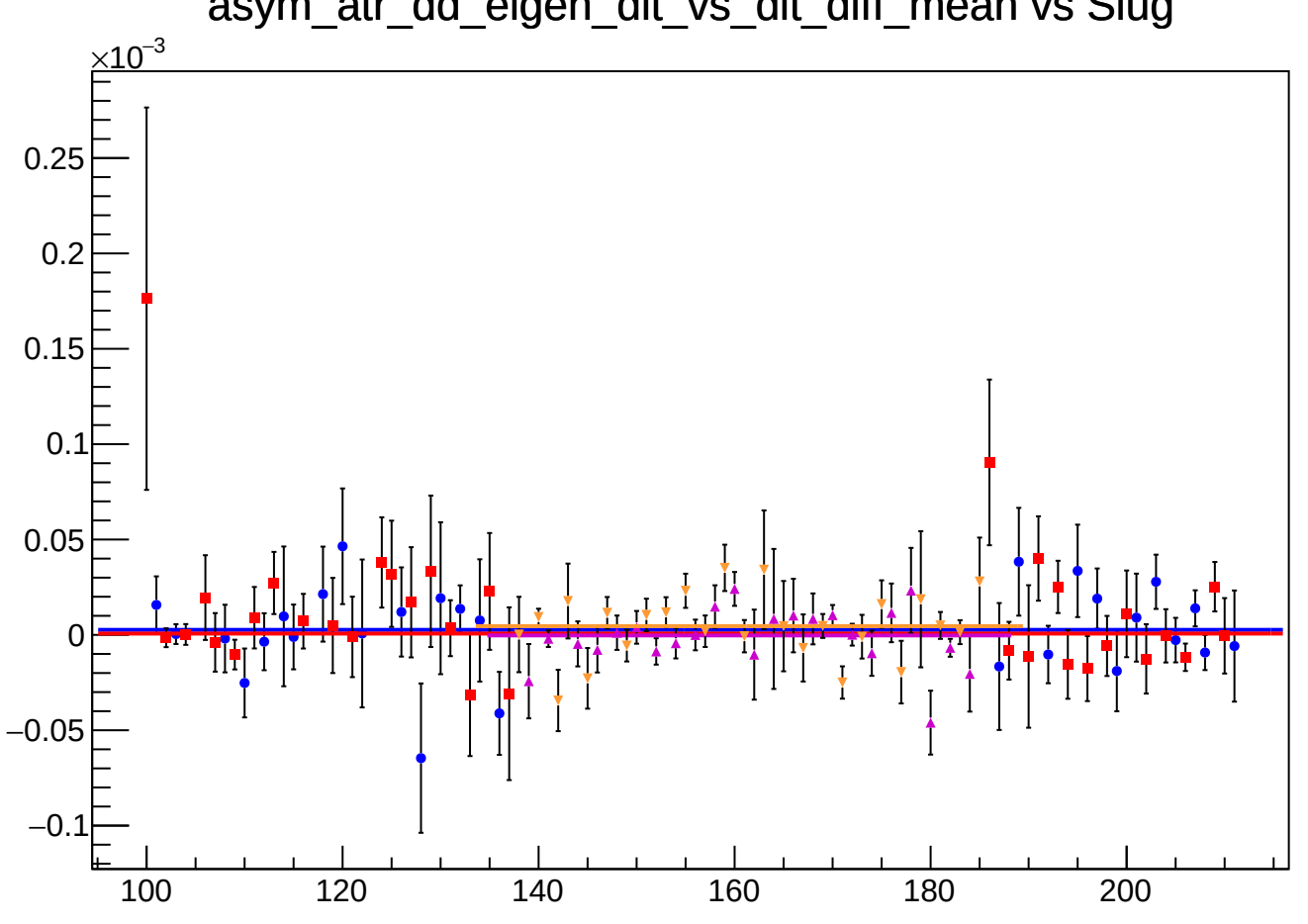
Right Out: 175.661+/-0.032 χ^2/NDF: 3592025.6/32

Left In: 262.788+/-0.046 χ^2/NDF:2025363.4/22

+ sign 211.442+/-0.027 χ^2/NDF: 6605709.8/52

All: 207.704+/-0.019 χ^2/NDF: 14688581.6/10

- sign 204.135+/-0.026 χ^2/NDF: 8044972.6/55



Right In: 0.000+/-0.000 χ^2/NDF: 27.5/27

Left Out: 0.000+/-0.000 χ^2/NDF:43.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 36.6/32

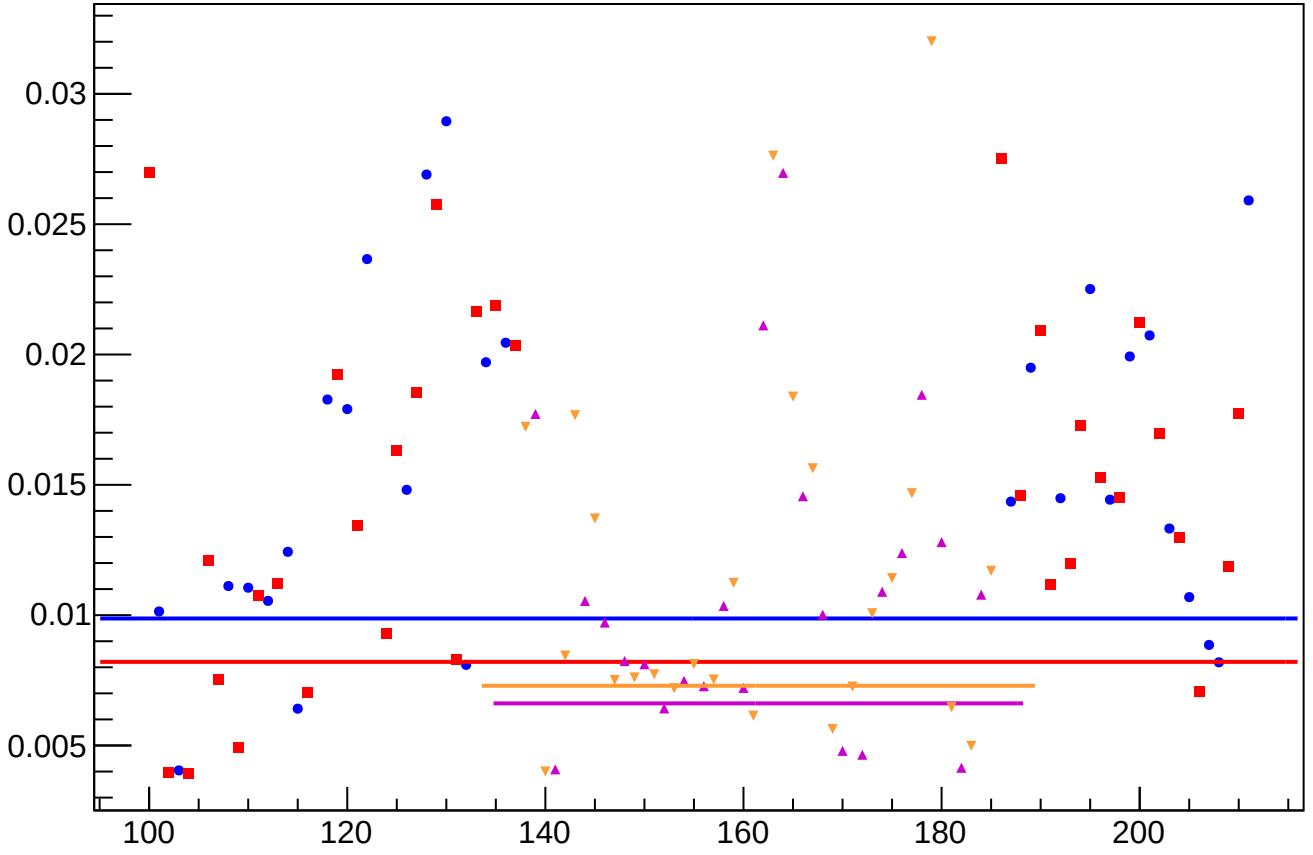
Left In: -0.000+/-0.000 χ^2/NDF:31.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 71.2/52

All: 0.000+/-0.000 χ^2/NDF: 142.5/108

- sign 0.000+/-0.000 χ^2/NDF: 67.9/55

asym_atr_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.010+/-0.000 χ^2/NDF: 7766690.8/27

Left Out: 0.007+/-0.000 χ^2/NDF:6772003.6/24

Right Out: 0.008+/-0.000 χ^2/NDF: 9937425.1/32

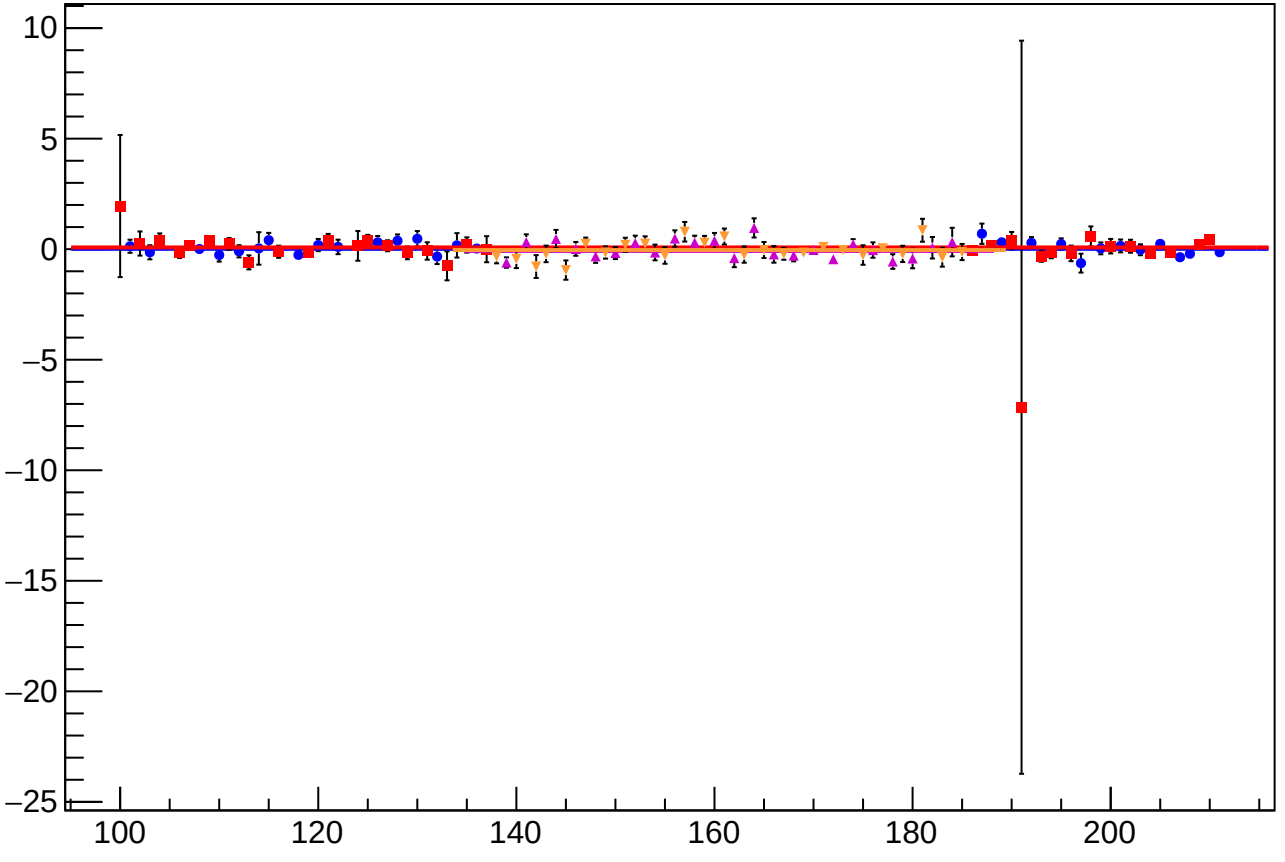
Left In: 0.007+/-0.000 χ^2/NDF:6410135.0/22

+ sign 0.008+/-0.000 χ^2/NDF: 15696971.4/52

All: 0.008+/-0.000 χ^2/NDF: 32975504.1/108

- sign 0.007+/-0.000 χ^2/NDF: 16940679.1/55

asym_atr_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.016+/-0.048 χ^2/NDF: 28.3/27

Left Out: -0.038+/-0.062 χ^2/NDF:24.4/24

Right Out: 0.079+/-0.045 χ^2/NDF: 33.1/32

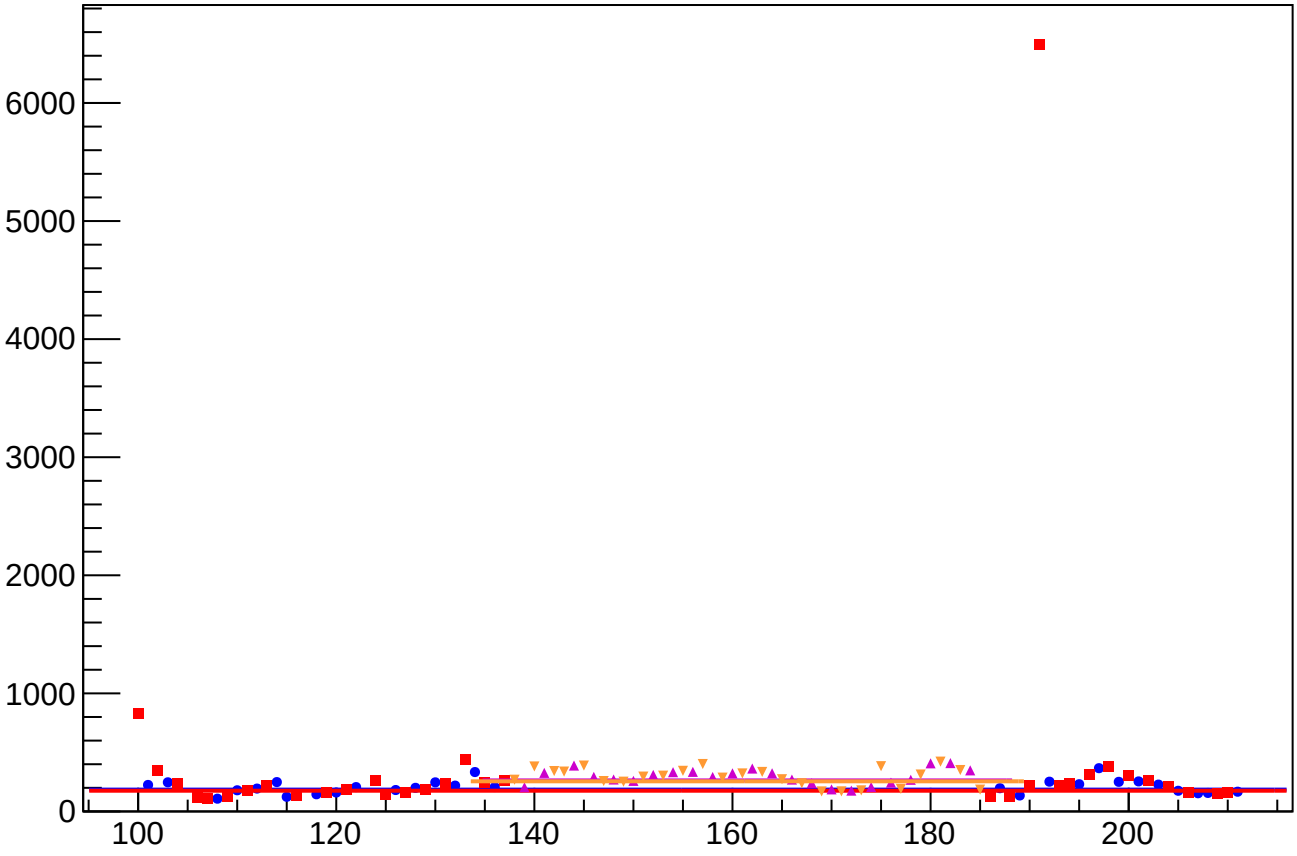
Left In: -0.078+/-0.065 χ^2/NDF:31.1/22

+ sign -0.004+/-0.038 χ^2/NDF: 53.2/52

All: 0.012+/-0.027 χ^2/NDF: 121.7/108

- sign 0.028+/-0.037 χ^2/NDF: 68.1/55

asym_atr_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 184.997+/-0.034 χ^2/NDF: 2058782.9/27

Left Out: 255.357+/-0.044 χ^2/NDF:2935428.4/24

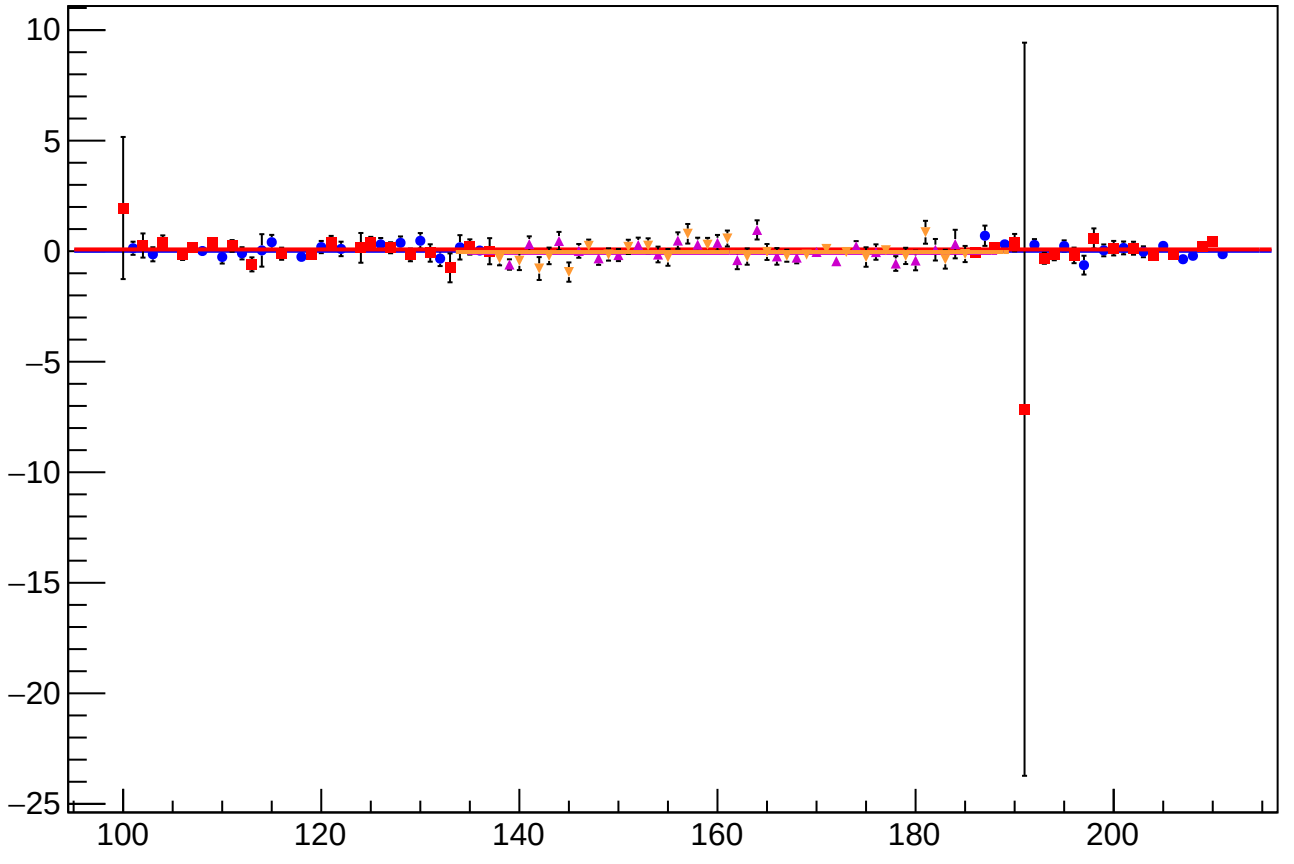
Right Out: 175.662+/-0.032 χ^2/NDF: 3591992.4/32

Left In: 262.790+/-0.046 χ^2/NDF:2025402.0/22

+ sign 211.443+/-0.027 χ^2/NDF: 6605818.3/52

All: 207.705+/-0.019 χ^2/NDF: 14688717.8/10

- sign 204.137+/-0.026 χ^2/NDF: 8045005.2/55



Right In: 0.016+/-0.048 χ^2/NDF: 28.3/27

Left Out: -0.038+/-0.062 χ^2/NDF:24.4/24

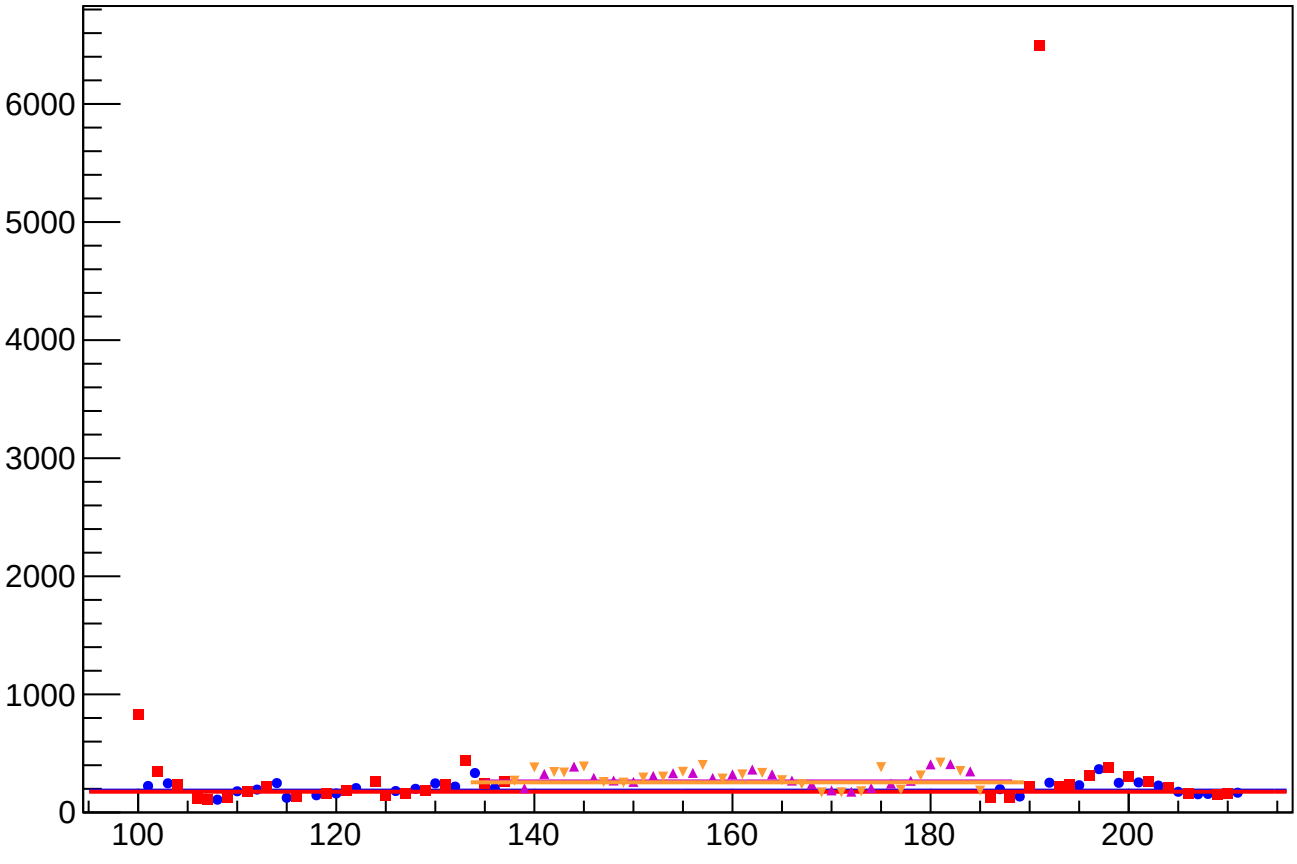
Right Out: 0.079+/-0.045 χ^2/NDF: 33.1/32

Left In: -0.078+/-0.065 χ^2/NDF:31.1/22

+ sign -0.004+/-0.038 χ^2/NDF: 53.2/52

All: 0.012+/-0.027 χ^2/NDF: 121.7/108

- sign 0.028+/-0.037 χ^2/NDF: 68.1/55



Right In: 184.997+/-0.034 χ^2/NDF: 2058782.9/27

Left Out: 255.357+/-0.044 χ^2/NDF:2935428.4/24

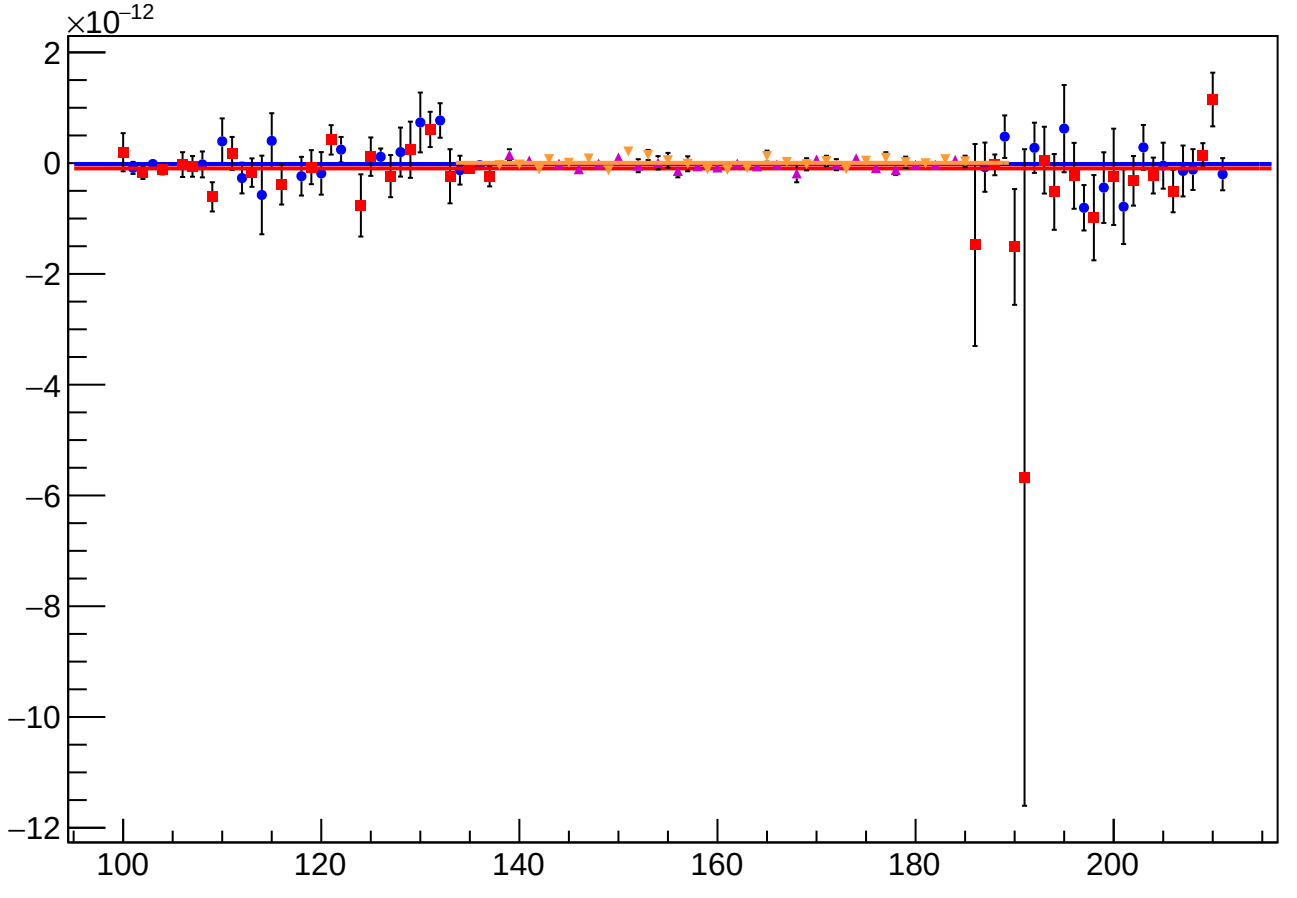
Right Out: 175.662+/-0.032 χ^2/NDF: 3591992.4/32

Left In: 262.790+/-0.046 χ^2/NDF:2025402.0/22

+ sign 211.443+/-0.027 χ^2/NDF: 6605818.3/52

All: 207.705+/-0.019 χ^2/NDF: 14688717.8/10

- sign 204.137+/-0.026 χ^2/NDF: 8045005.2/55



Right In: -0.000+/-0.000 χ^2/NDF: 24.4/27

Left Out: 0.000+/-0.000 χ^2/NDF:30.5/24

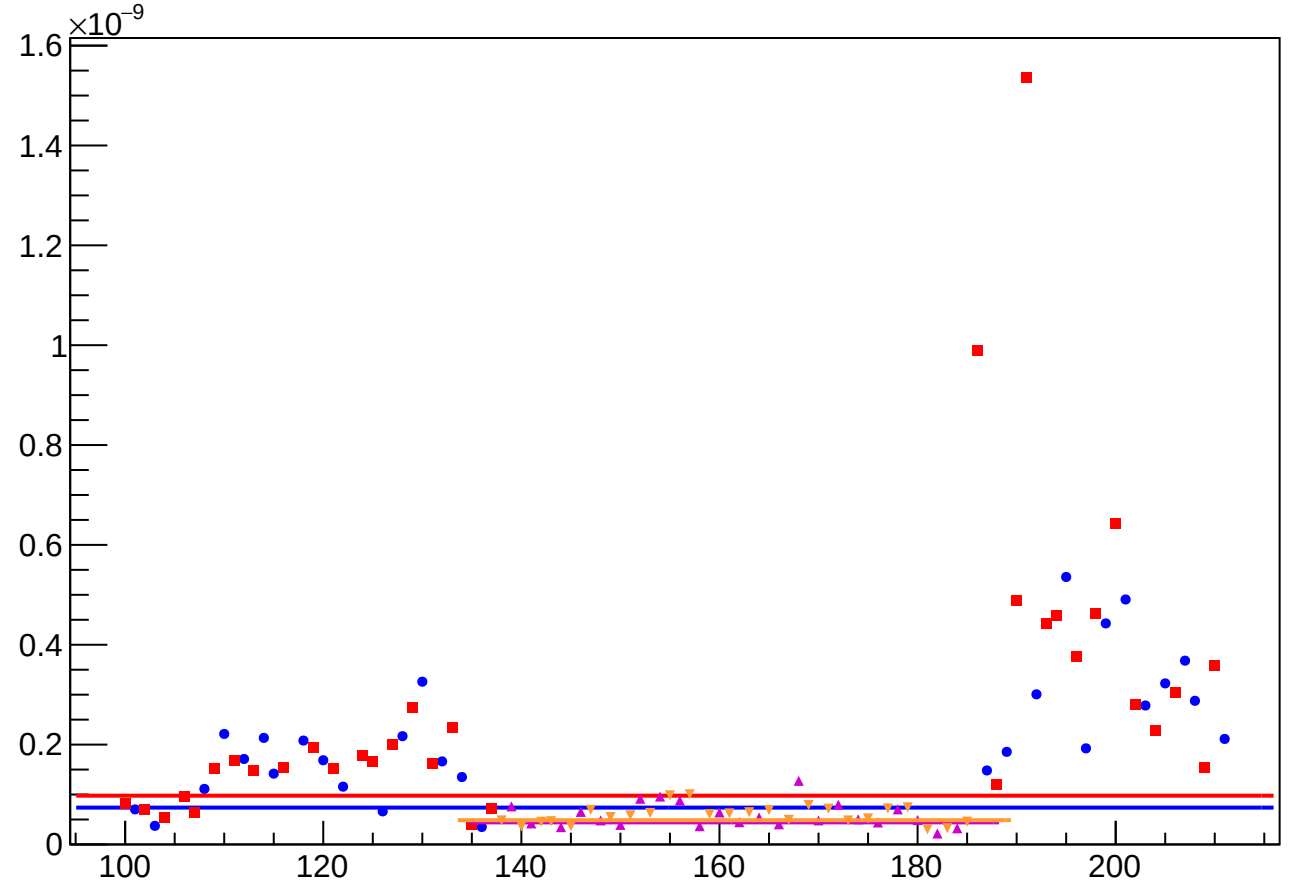
Right Out: -0.000+/-0.000 χ^2/NDF: 33.0/32

Left In: -0.000+/-0.000 χ^2/NDF:21.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 55.2/52

All: -0.000+/-0.000 χ^2/NDF: 115.1/108

- sign -0.000+/-0.000 χ^2/NDF: 58.6/55



Right In: 0.000+/-0.000 χ^2/NDF: 9918887.6/27

Left Out: 0.000+/-0.000 χ^2/NDF:2493290.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8894242.5/32

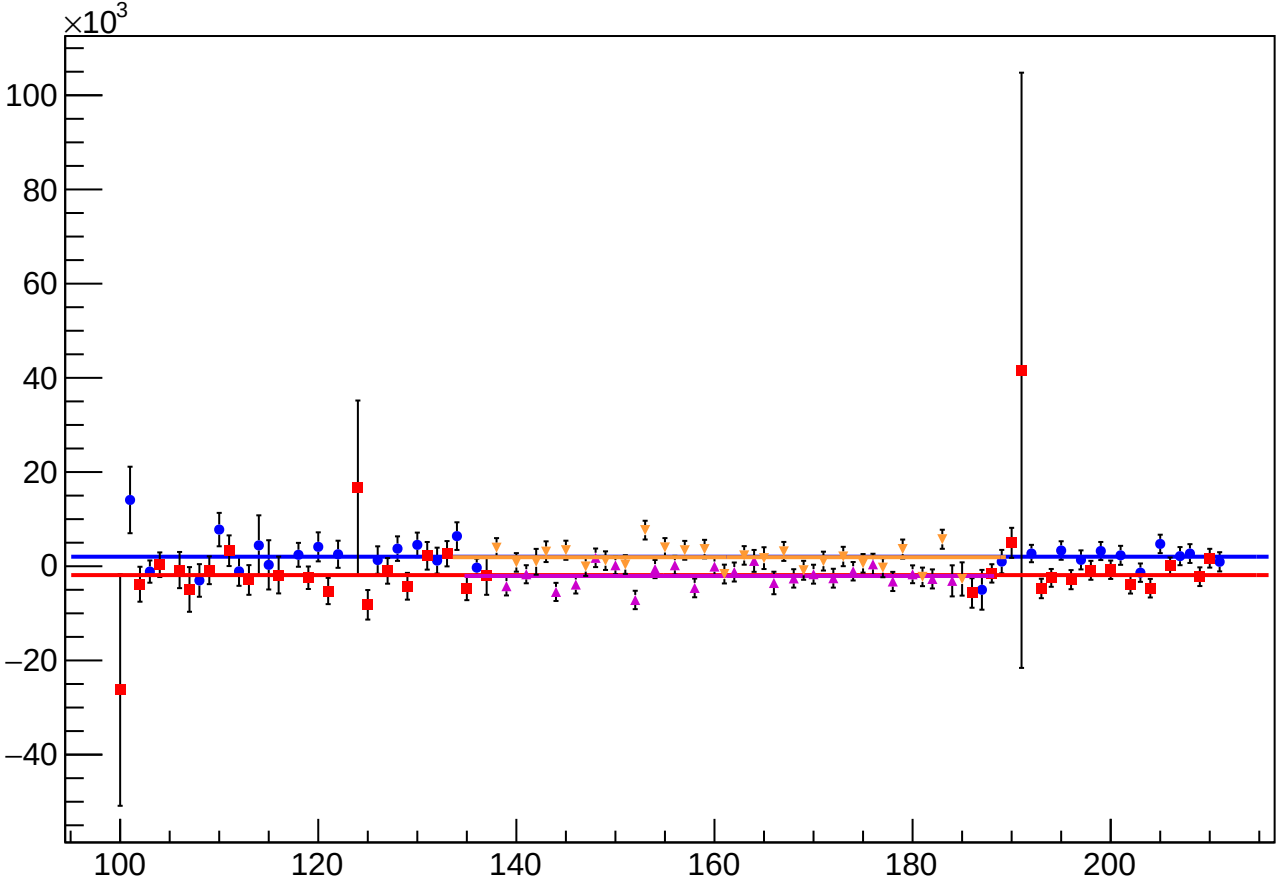
Left In: 0.000+/-0.000 χ^2/NDF:3624474.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 13355981.5/52

All: 0.000+/-0.000 χ^2/NDF: 29220661.3/108

- sign 0.000+/-0.000 χ^2/NDF: 15835944.6/55

reg_asym_at1_avg_mean vs Slug



Right In: 2023.846+/-463.134 χ^2/NDF: 25.8/27

Left Out: 1920.623+/-412.915 χ^2/NDF:32.5/24

Right Out: -1879.229+/-451.187 χ^2/NDF: 35.4/32

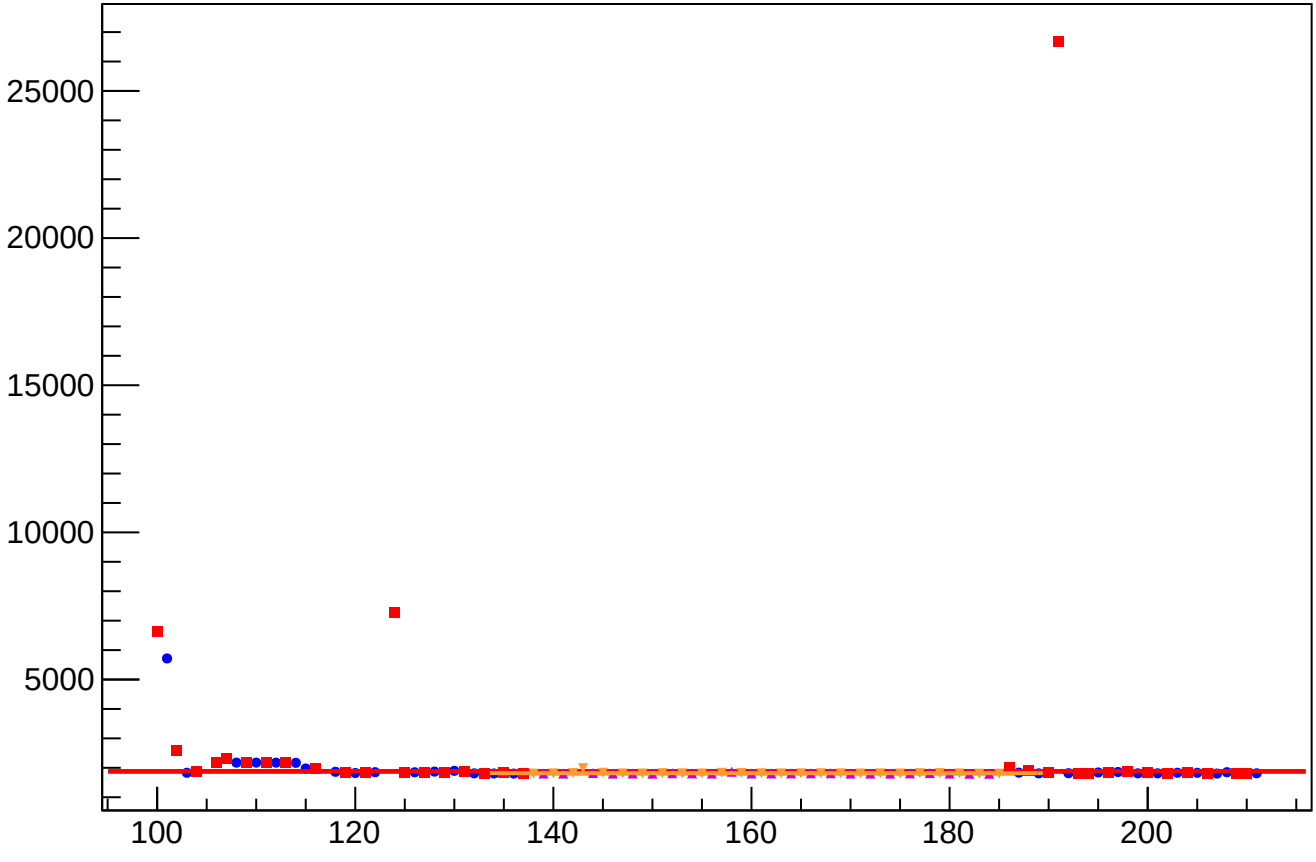
Left In: -2074.205+/-423.203 χ^2/NDF:26.5/22

+ sign 1966.337+/-308.206 χ^2/NDF: 58.4/52

All: -5.346+/-218.098 χ^2/NDF: 202.4/108

- sign -1982.951+/-308.669 χ^2/NDF: 62.0/55

reg_asym_at1_avg_rms vs Slug



Right In: 1870.123+/-0.327 χ^2/NDF: 667160.1/27

Left Out: 1817.524+/-0.292 χ^2/NDF:12955.2/24

Right Out: 1890.586+/-0.319 χ^2/NDF: 740053.4/32

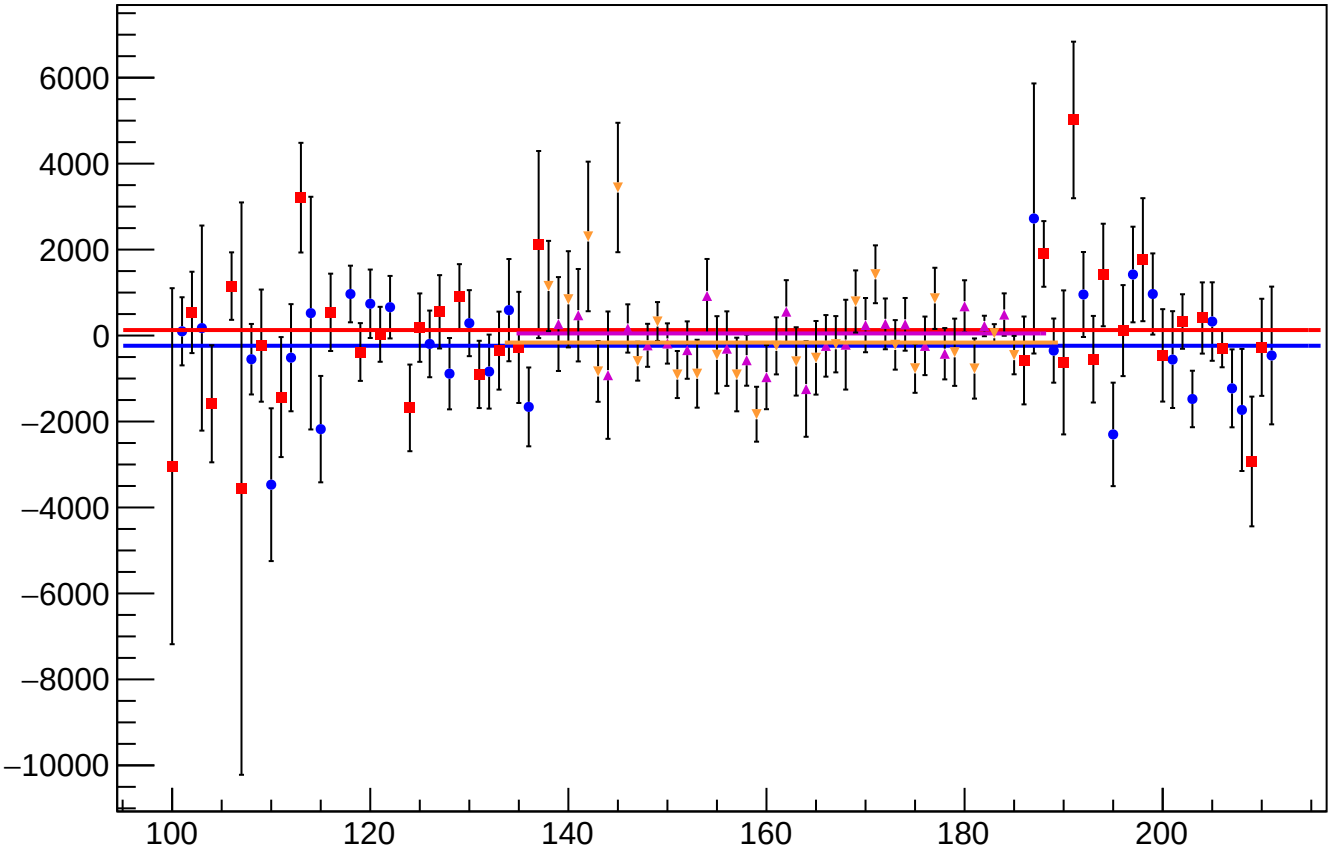
Left In: 1812.545+/-0.299 χ^2/NDF:2013.0/22

+ sign 1840.818+/-0.218 χ^2/NDF: 694487.8/52

All: 1844.938+/-0.154 χ^2/NDF: 1469101.0/10

- sign 1849.070+/-0.218 χ^2/NDF: 773897.4/55

asym_at1_avg_reg_correction_mean vs Slug



Right In: -237.342+/-180.255 χ^2/NDF: 32.6/27

Left Out: -162.996+/-115.295 χ^2/NDF:36.8/24

Right Out: 128.025+/-161.858 χ^2/NDF: 41.8/32

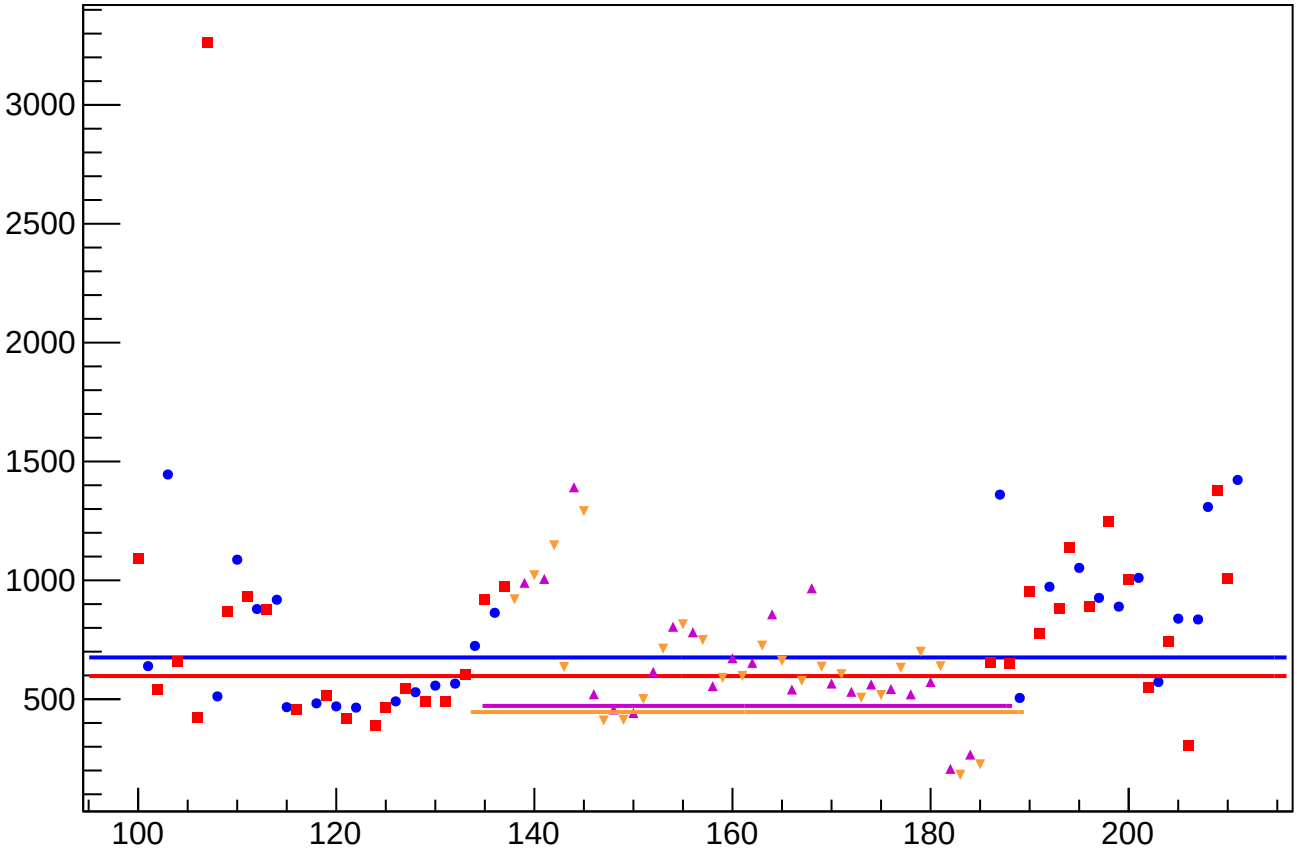
Left In: 49.290+/-122.691 χ^2/NDF:11.3/22

+ sign -184.581+/-97.127 χ^2/NDF: 69.5/52

All: -54.154+/-68.907 χ^2/NDF: 126.4/108

- sign 78.022+/-97.775 χ^2/NDF: 53.3/55

asym_at1_avg_reg_correction_rms vs Slug



Right In: 675.625+/-0.127 χ^2/NDF: 3307022.9/27

Left Out: 445.893+/-0.082 χ^2/NDF:7982455.6/24

Right Out: 597.358+/-0.114 χ^2/NDF: 4733451.9/32

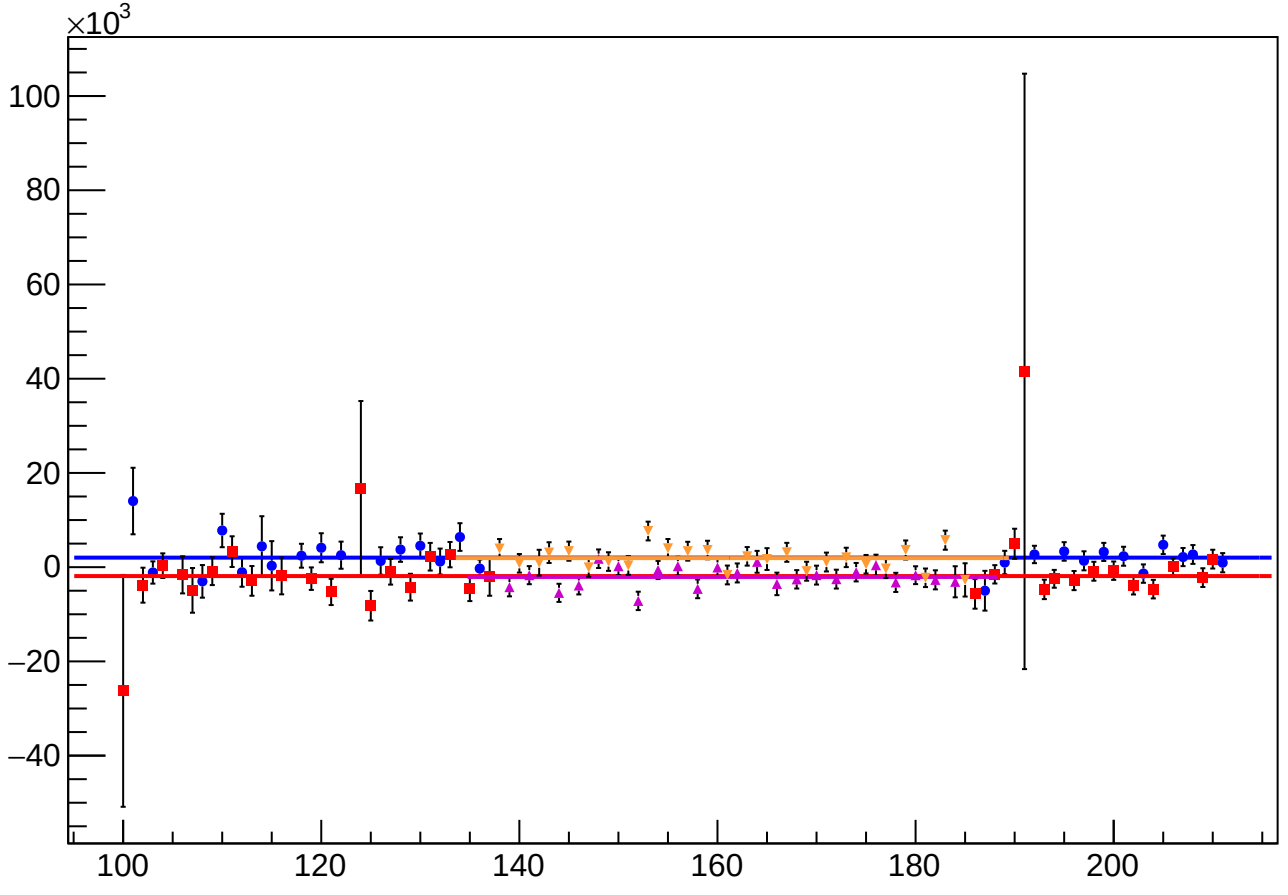
Left In: 471.746+/-0.087 χ^2/NDF:6413905.5/22

+ sign 512.592+/-0.069 χ^2/NDF: 13594903.4/52

All: 515.071+/-0.049 χ^2/NDF: 25509882.3/10

- sign 517.584+/-0.069 χ^2/NDF: 11912355.8/55

cor_asym_at1_avg_mean vs Slug



Right In: 2023.775+/-463.134 χ^2/NDF: 25.8/27

Left Out: 1920.588+/-412.915 χ^2/NDF:32.5/24

Right Out: -1890.855+/-451.336 χ^2/NDF: 35.3/32

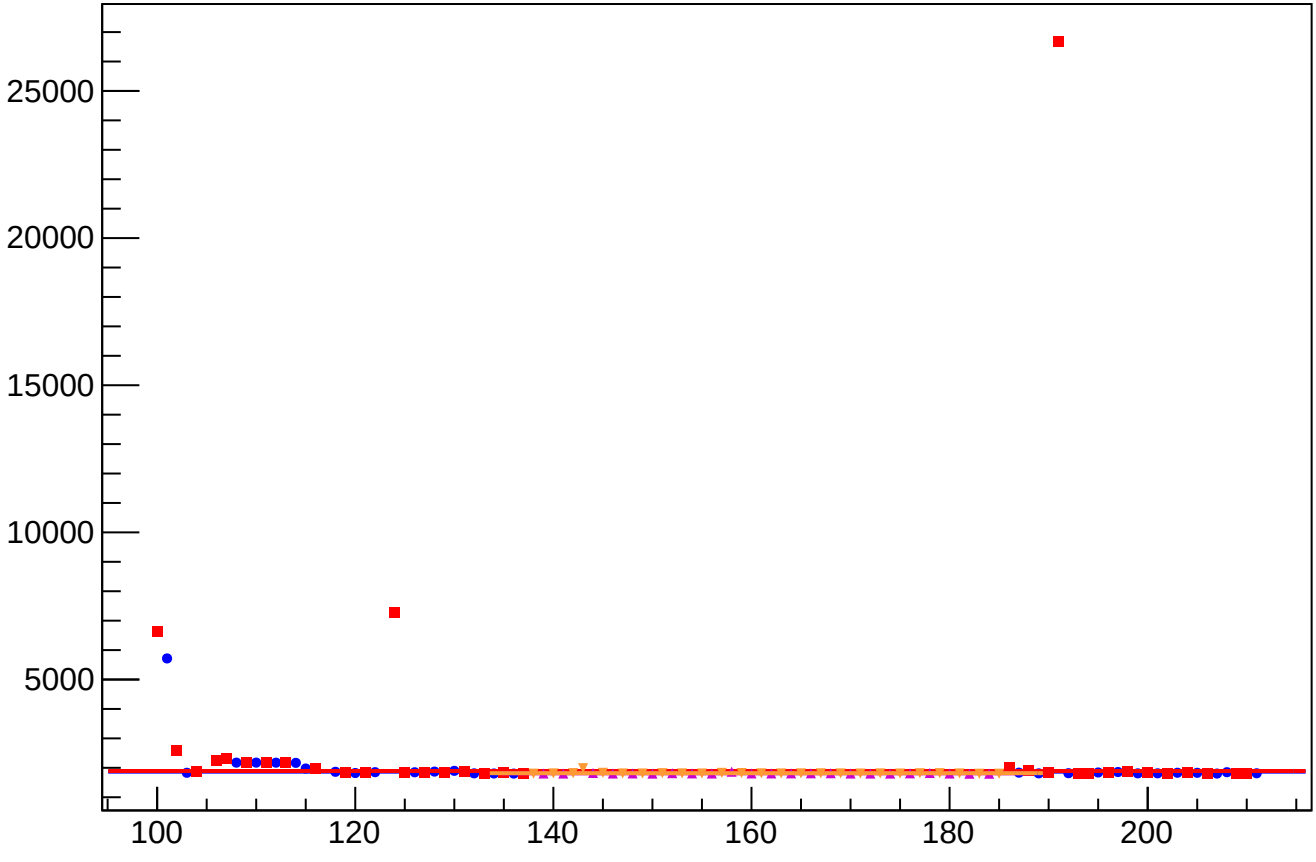
Left In: -2074.306+/-423.203 χ^2/NDF:26.5/22

+ sign 1966.286+/-308.206 χ^2/NDF: 58.4/52

All: -7.825+/-218.115 χ^2/NDF: 202.5/108

- sign -1988.476+/-308.716 χ^2/NDF: 62.0/55

cor_asym_at1_avg_rms vs Slug



Right In: 1870.123+/-0.327 χ^2/NDF: 667160.1/27

Left Out: 1817.524+/-0.292 χ^2/NDF:12955.2/24

Right Out: 1891.054+/-0.319 χ^2/NDF: 743751.3/32

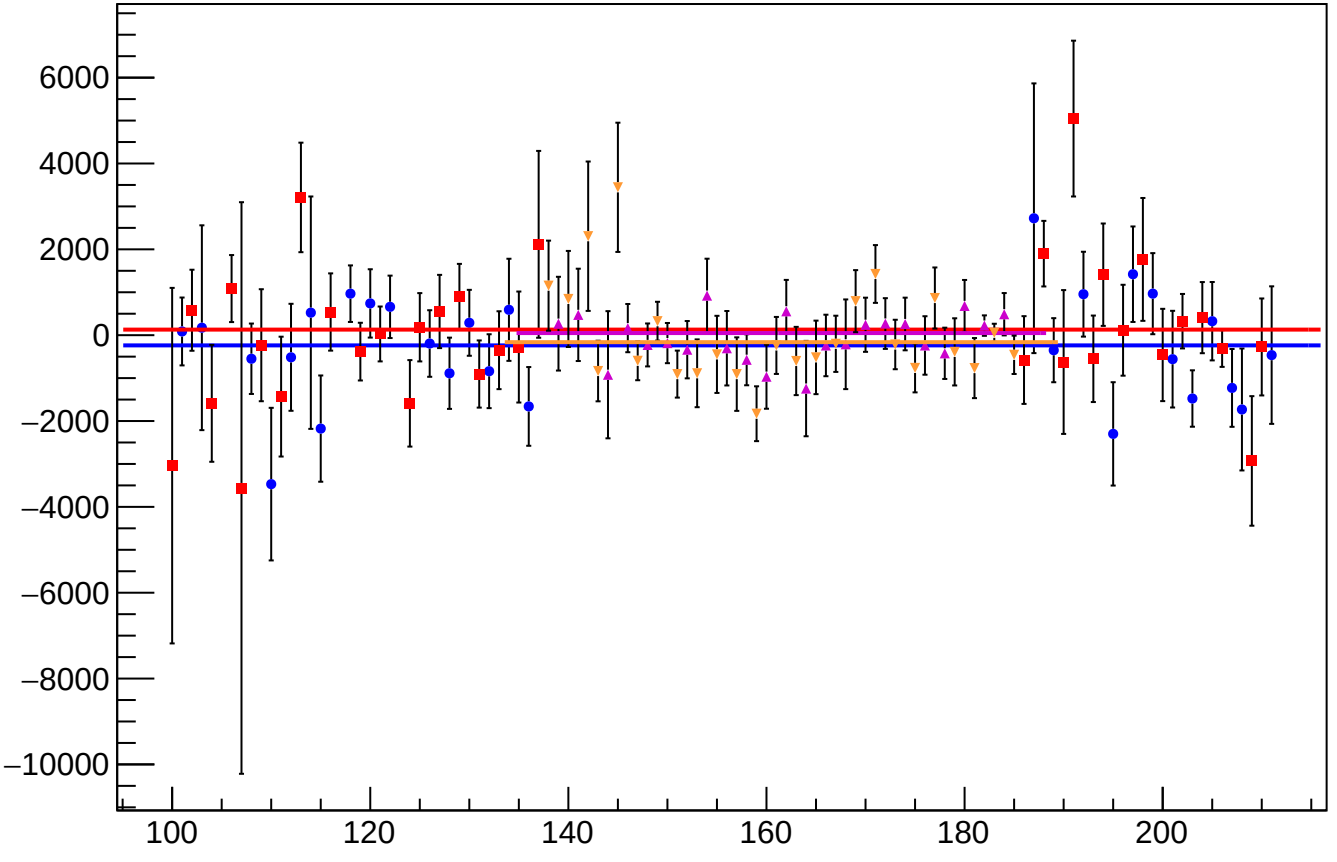
Left In: 1812.545+/-0.299 χ^2/NDF:2013.0/22

+ sign 1840.818+/-0.218 χ^2/NDF: 694487.7/52

All: 1845.040+/-0.154 χ^2/NDF: 1473206.7/10

- sign 1849.276+/-0.218 χ^2/NDF: 777967.1/55

asym_at1_avg_cor_correction_mean vs Slug



Right In: -237.803+/-180.232 χ^2/NDF: 32.6/27

Left Out: -162.911+/-115.291 χ^2/NDF:36.9/24

Right Out: 129.822+/-161.798 χ^2/NDF: 41.4/32

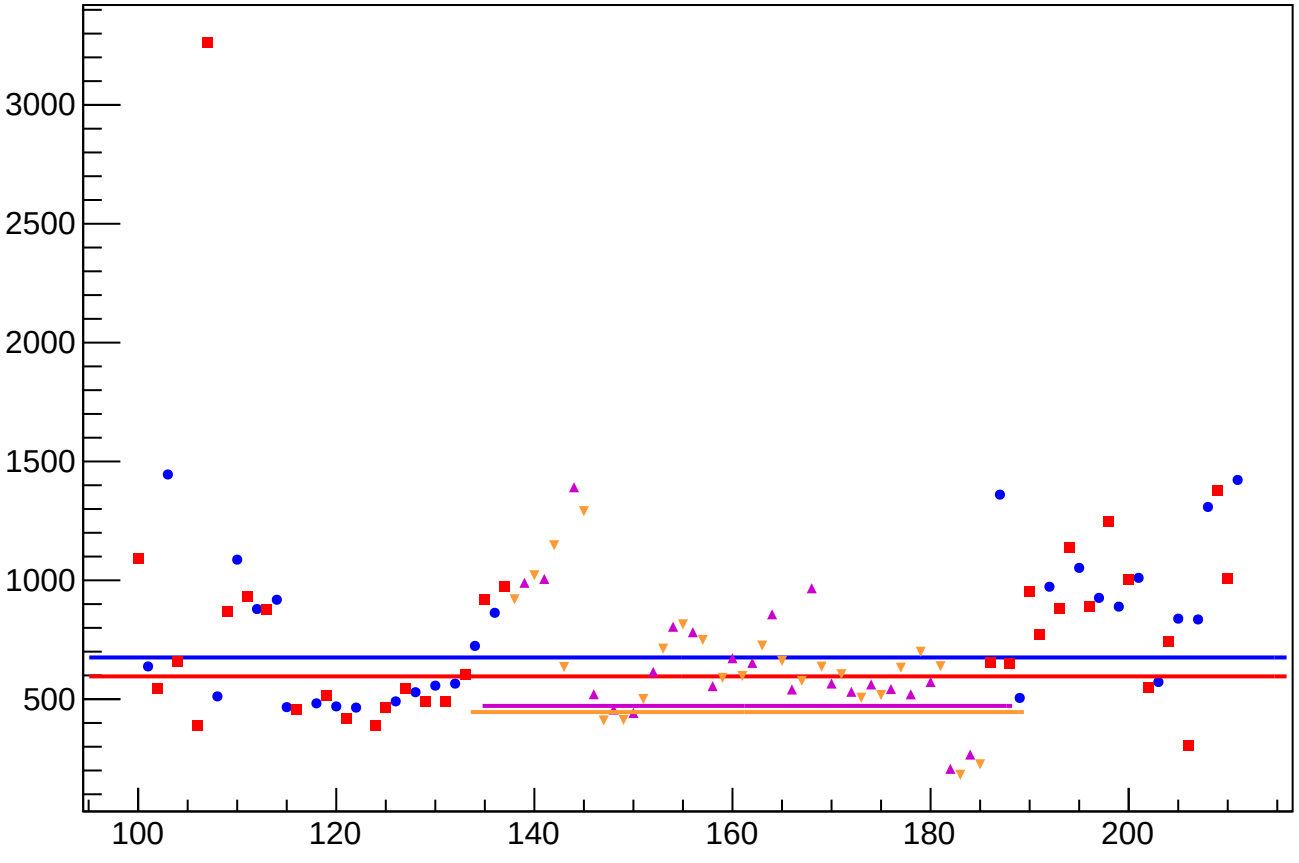
Left In: 49.310+/-122.694 χ^2/NDF:11.3/22

+ sign -184.658+/-97.121 χ^2/NDF: 69.5/52

All: -53.845+/-68.901 χ^2/NDF: 126.1/108

- sign 78.704+/-97.763 χ^2/NDF: 52.9/55

asym_at1_avg_cor_correction_rms vs Slug



Right In: 675.546+/-0.127 χ^2/NDF: 3307436.4/27

Left Out: 445.867+/-0.082 χ^2/NDF:7983869.6/24

Right Out: 595.918+/-0.114 χ^2/NDF: 4776058.8/32

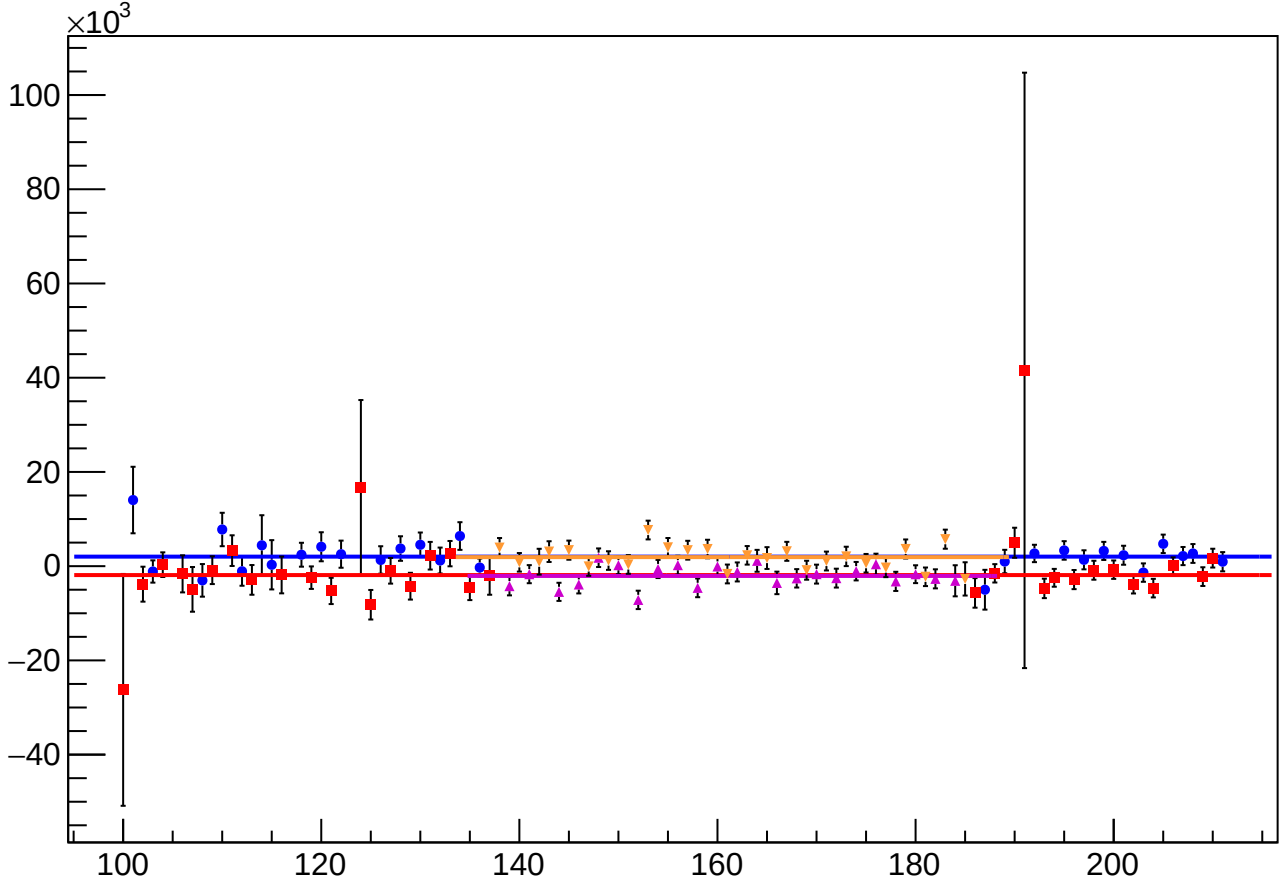
Left In: 471.757+/-0.087 χ^2/NDF:6413685.0/22

+ sign 512.560+/-0.069 χ^2/NDF: 13596118.1/52

All: 514.809+/-0.049 χ^2/NDF: 25535786.9/10

- sign 517.088+/-0.069 χ^2/NDF: 11937509.3/55

eigen_cor_asym_at1_avg_mean vs Slug



Right In: 2023.775+/-463.134 χ^2/NDF: 25.8/27

Left Out: 1920.588+/-412.915 χ^2/NDF:32.5/24

Right Out: -1890.855+/-451.336 χ^2/NDF: 35.3/32

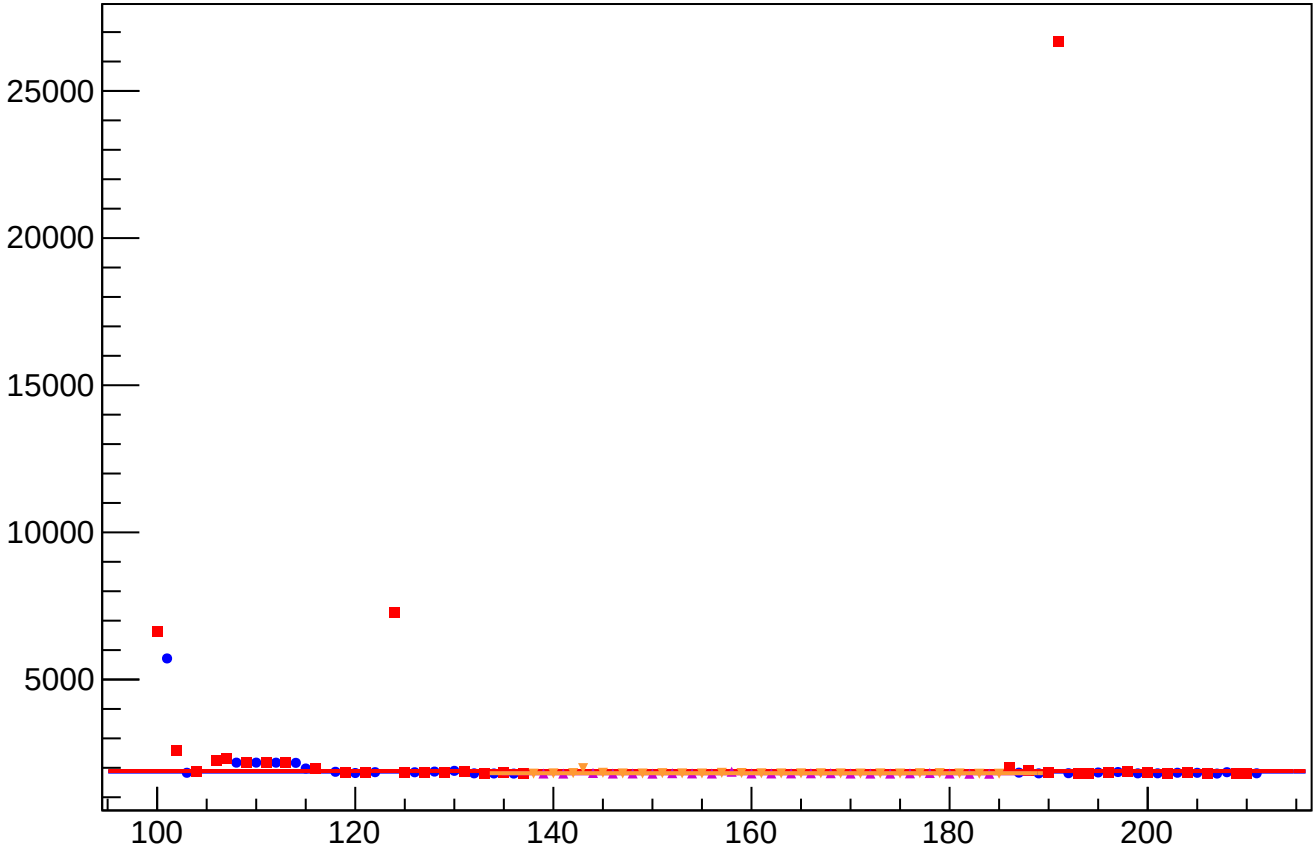
Left In: -2074.306+/-423.203 χ^2/NDF:26.5/22

+ sign 1966.286+/-308.206 χ^2/NDF: 58.4/52

All: -7.825+/-218.115 χ^2/NDF: 202.5/108

- sign -1988.476+/-308.716 χ^2/NDF: 62.0/55

eigen_cor_asym_at1_avg_rms vs Slug



Right In: 1870.123+/-0.327 χ^2/NDF: 667160.1/27

Left Out: 1817.524+/-0.292 χ^2/NDF:12955.2/24

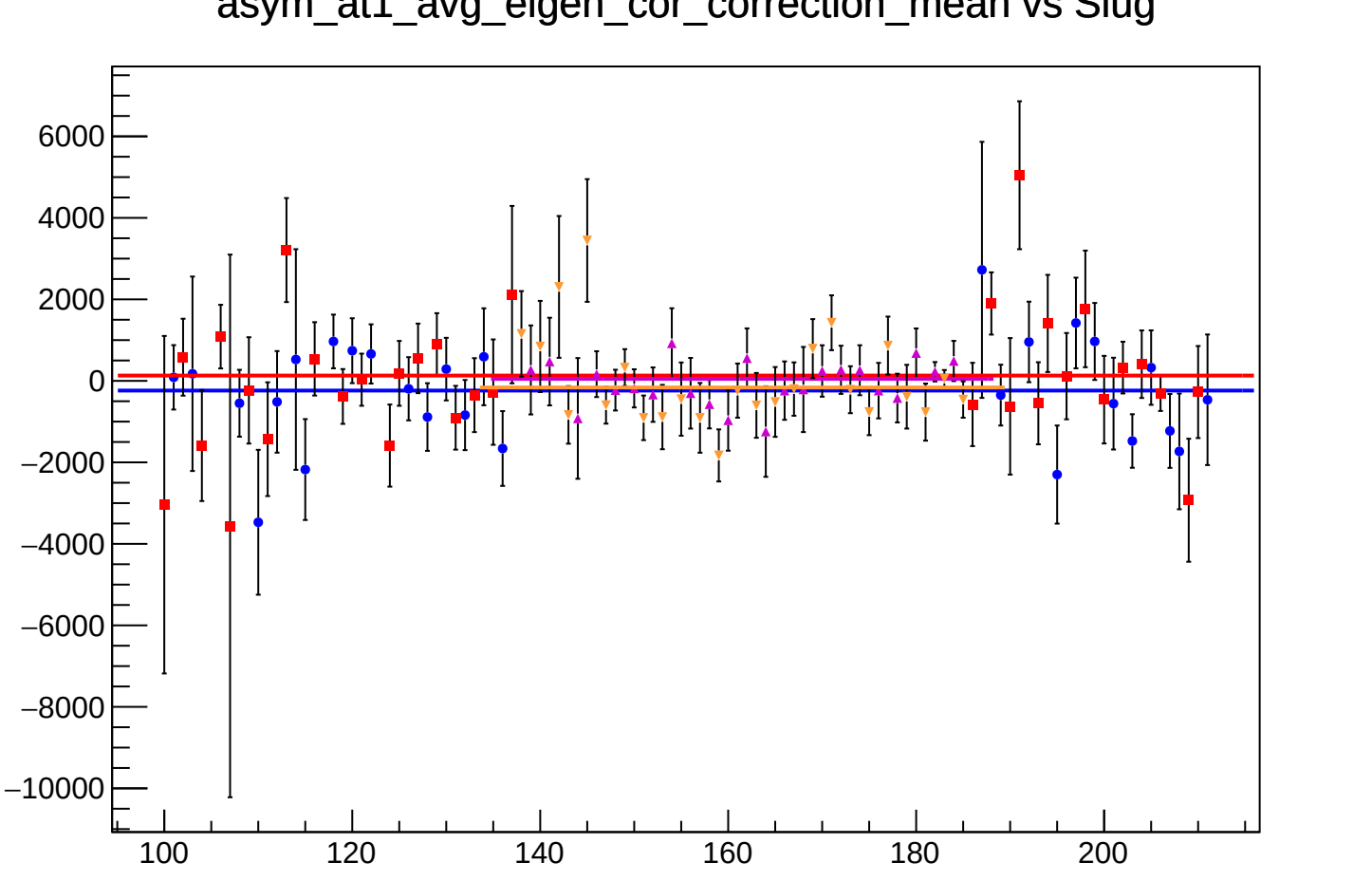
Right Out: 1891.054+/-0.319 χ^2/NDF: 743751.3/32

Left In: 1812.545+/-0.299 χ^2/NDF:2013.0/22

+ sign 1840.818+/-0.218 χ^2/NDF: 694487.7/52

All: 1845.040+/-0.154 χ^2/NDF: 1473206.7/10

- sign 1849.276+/-0.218 χ^2/NDF: 777967.1/55



Right In: -237.803+/-180.232 χ^2/NDF: 32.6/27

Left Out: -162.911+/-115.291 χ^2/NDF:36.9/24

Right Out: 129.822+/-161.798 χ^2/NDF: 41.4/32

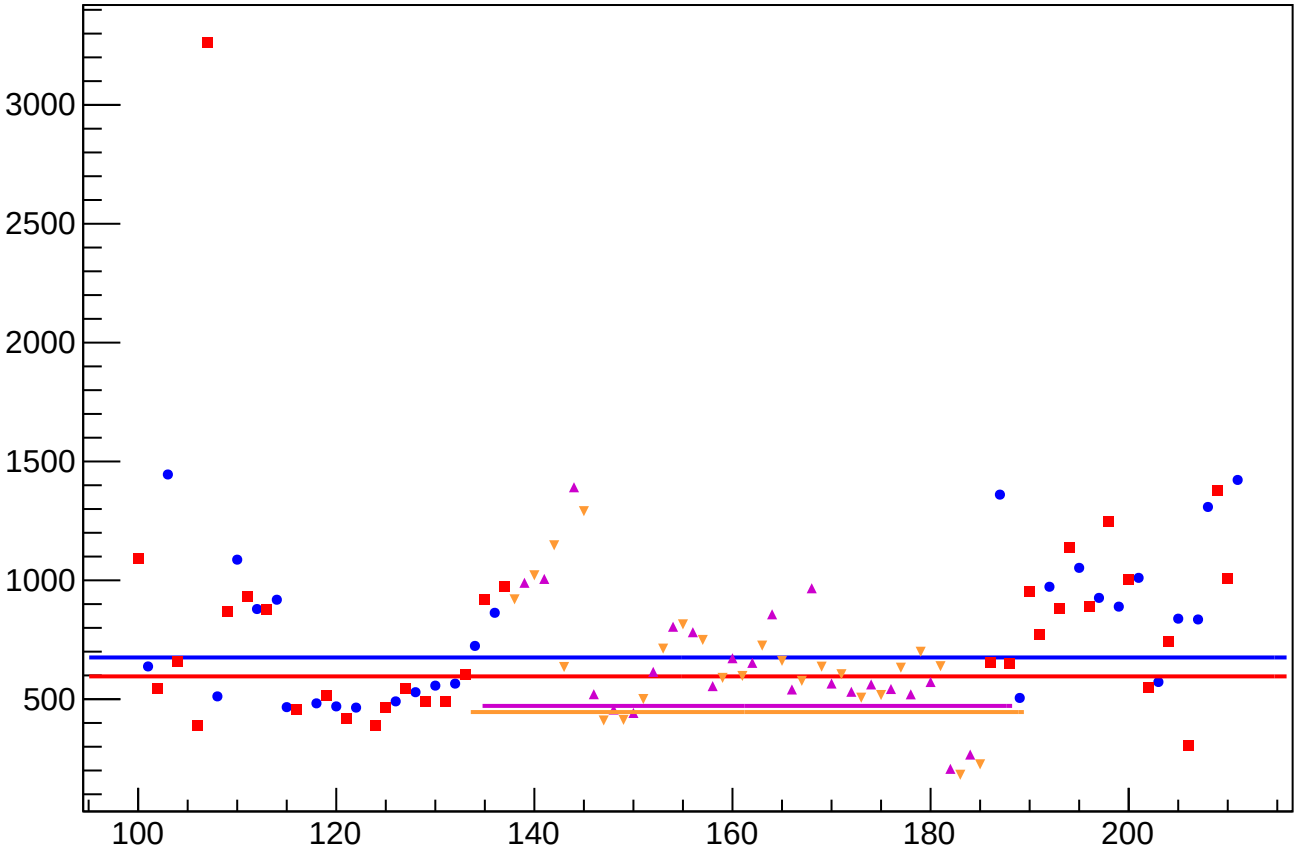
Left In: 49.310+/-122.694 χ^2/NDF:11.3/22

+ sign -184.658+/-97.121 χ^2/NDF: 69.5/52

All: -53.845+/-68.901 χ^2/NDF: 126.1/108

- sign 78.704+/-97.763 χ^2/NDF: 52.9/55

asym_at1_avg_eigen_cor_correction_rms vs Slug



Right In: 675.546+/-0.127 χ^2/NDF: 3307436.4/27

Left Out: 445.867+/-0.082 χ^2/NDF:7983869.6/24

Right Out: 595.918+/-0.114 χ^2/NDF: 4776058.8/32

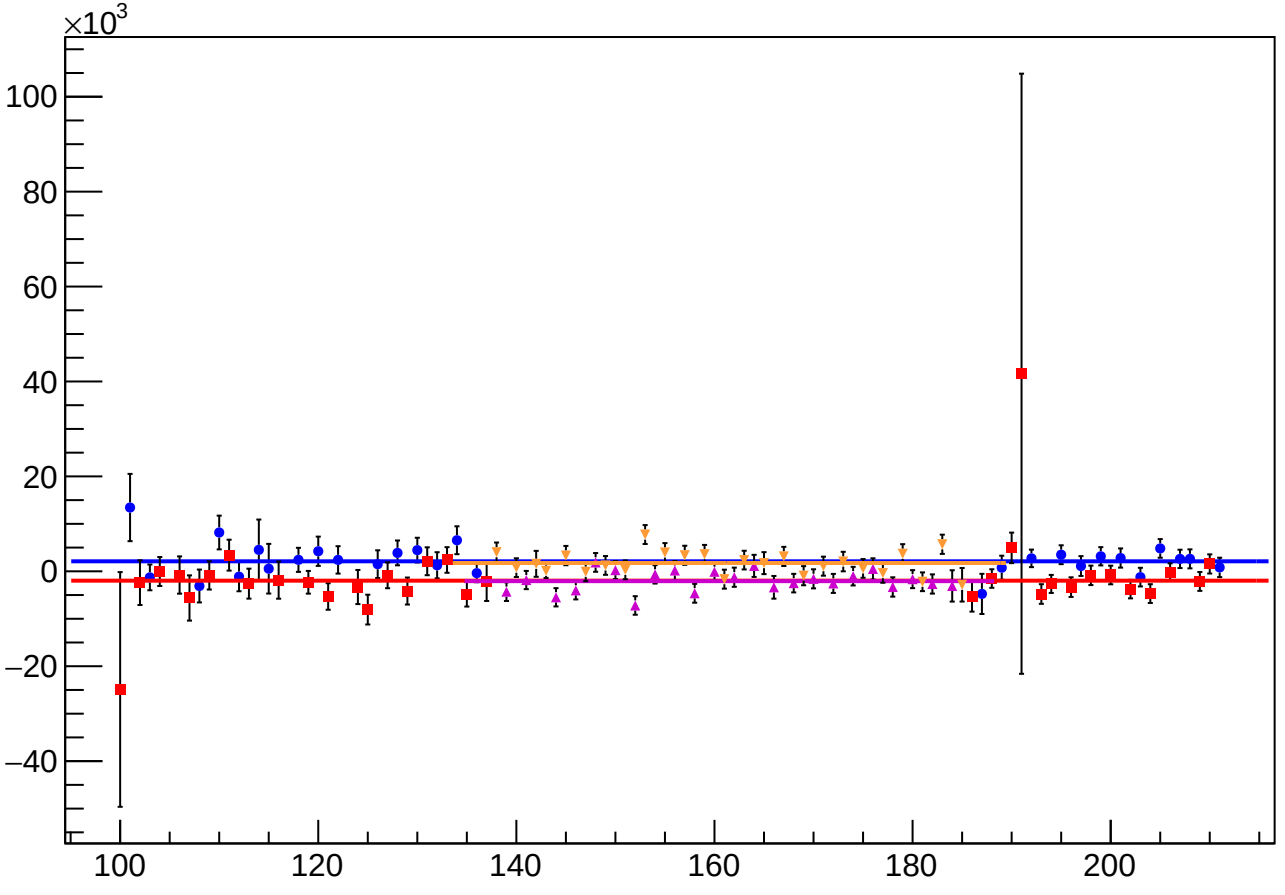
Left In: 471.757+/-0.087 χ^2/NDF:6413685.0/22

+ sign 512.560+/-0.069 χ^2/NDF: 13596118.1/52

All: 514.809+/-0.049 χ^2/NDF: 25535786.9/10

- sign 517.088+/-0.069 χ^2/NDF: 11937509.3/55

dit_asym_at1_avg_mean vs Slug



Right In: 2107.531+/-467.587 χ^2/NDF: 26.0/27

Left Out: 1755.493+/-405.401 χ^2/NDF:33.8/24

Right Out: -1971.322+/-453.785 χ^2/NDF: 32.9/32

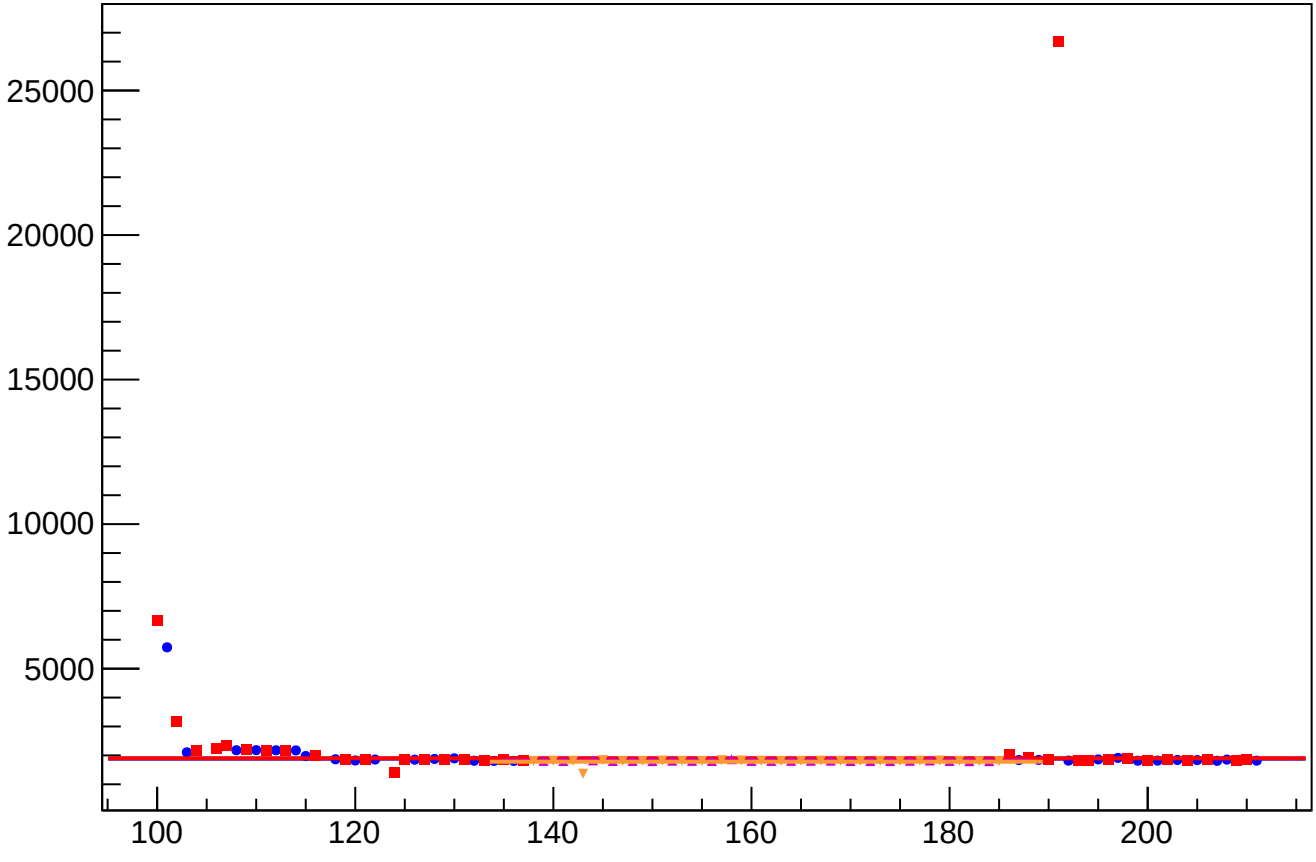
Left In: -2073.441+/-423.648 χ^2/NDF:27.0/22

+ sign 1906.562+/-306.306 χ^2/NDF: 60.1/52

All: -38.178+/-217.771 χ^2/NDF: 201.5/108

- sign -2025.885+/-309.671 χ^2/NDF: 59.9/55

dit_asym_at1_avg_rms vs Slug



Right In: 1887.534+/-0.331 χ^2/NDF: 678444.8/27

Left Out: 1780.913+/-0.287 χ^2/NDF:164936.9/24

Right Out: 1899.960+/-0.321 χ^2/NDF: 696810.4/32

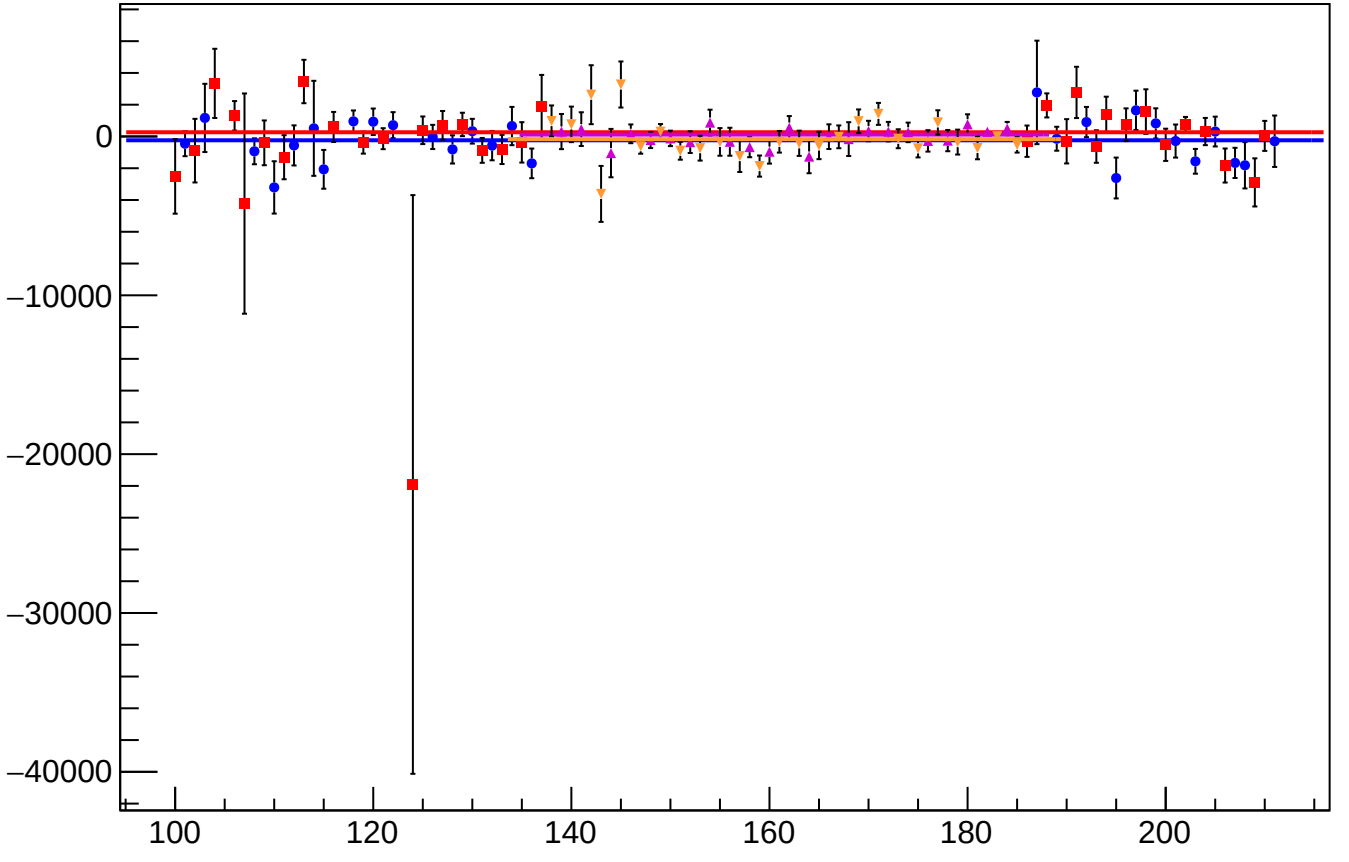
Left In: 1814.434+/-0.300 χ^2/NDF:2094.6/22

+ sign 1826.667+/-0.217 χ^2/NDF: 902747.1/52

All: 1840.314+/-0.154 χ^2/NDF: 1647639.2/10

- sign 1854.263+/-0.219 χ^2/NDF: 736864.1/55

asym_at1_avg_dit_correction_mean vs Slug



Right In: -240.177+/-186.348 χ^2/NDF: 33.3/27

Left Out: -167.909+/-121.628 χ^2/NDF:38.3/24

Right Out: 265.088+/-174.866 χ^2/NDF: 40.9/32

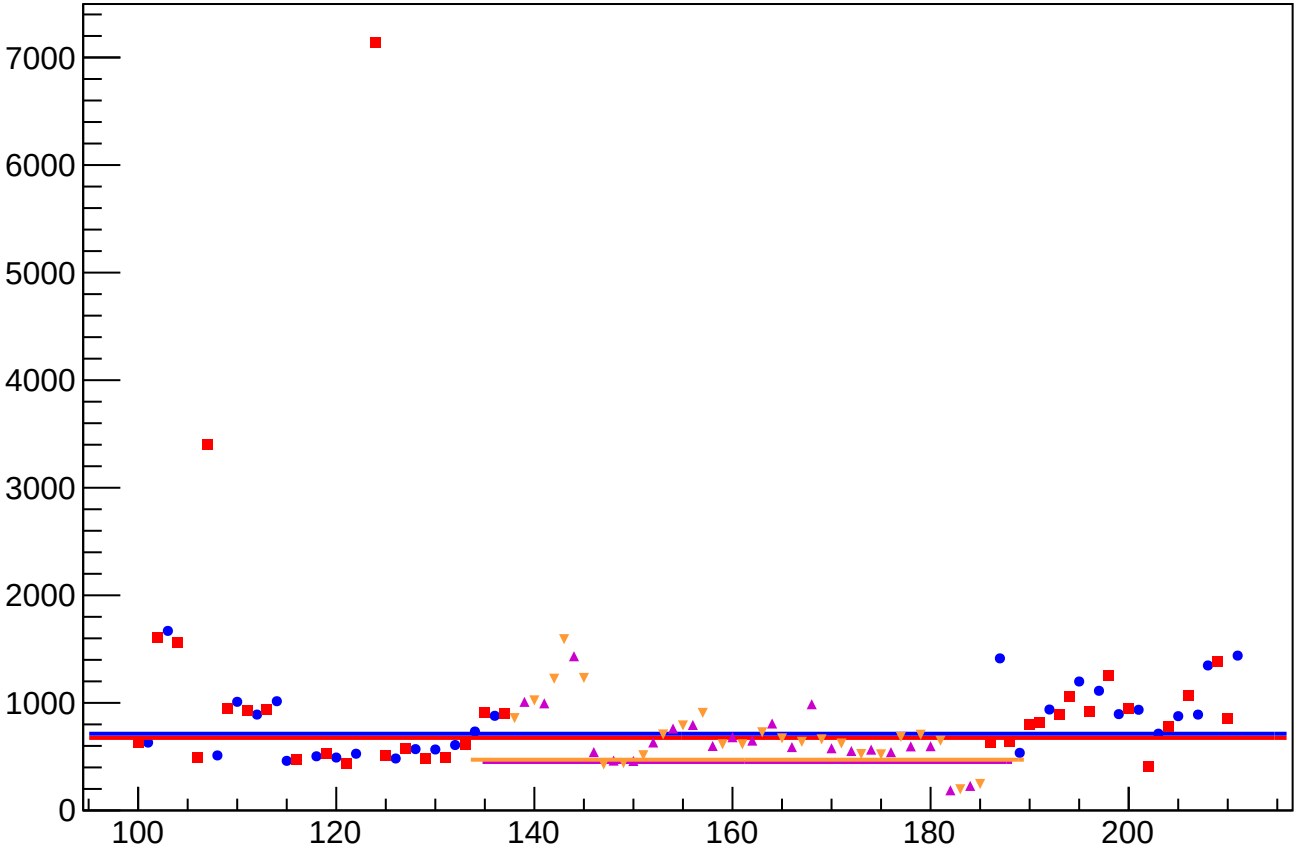
Left In: 117.211+/-119.772 χ^2/NDF:12.3/22

+ sign -189.498+/-101.853 χ^2/NDF: 71.7/52

All: -7.176+/-70.922 χ^2/NDF: 131.6/108

- sign 164.432+/-98.815 χ^2/NDF: 53.6/55

asym_at1_avg_dit_correction_rms vs Slug



Right In: 713.265+/-0.132 χ^2/NDF: 3463089.1/27

Left Out: 471.777+/-0.086 χ^2/NDF:8112666.9/24

Right Out: 674.365+/-0.124 χ^2/NDF: 4879634.0/32

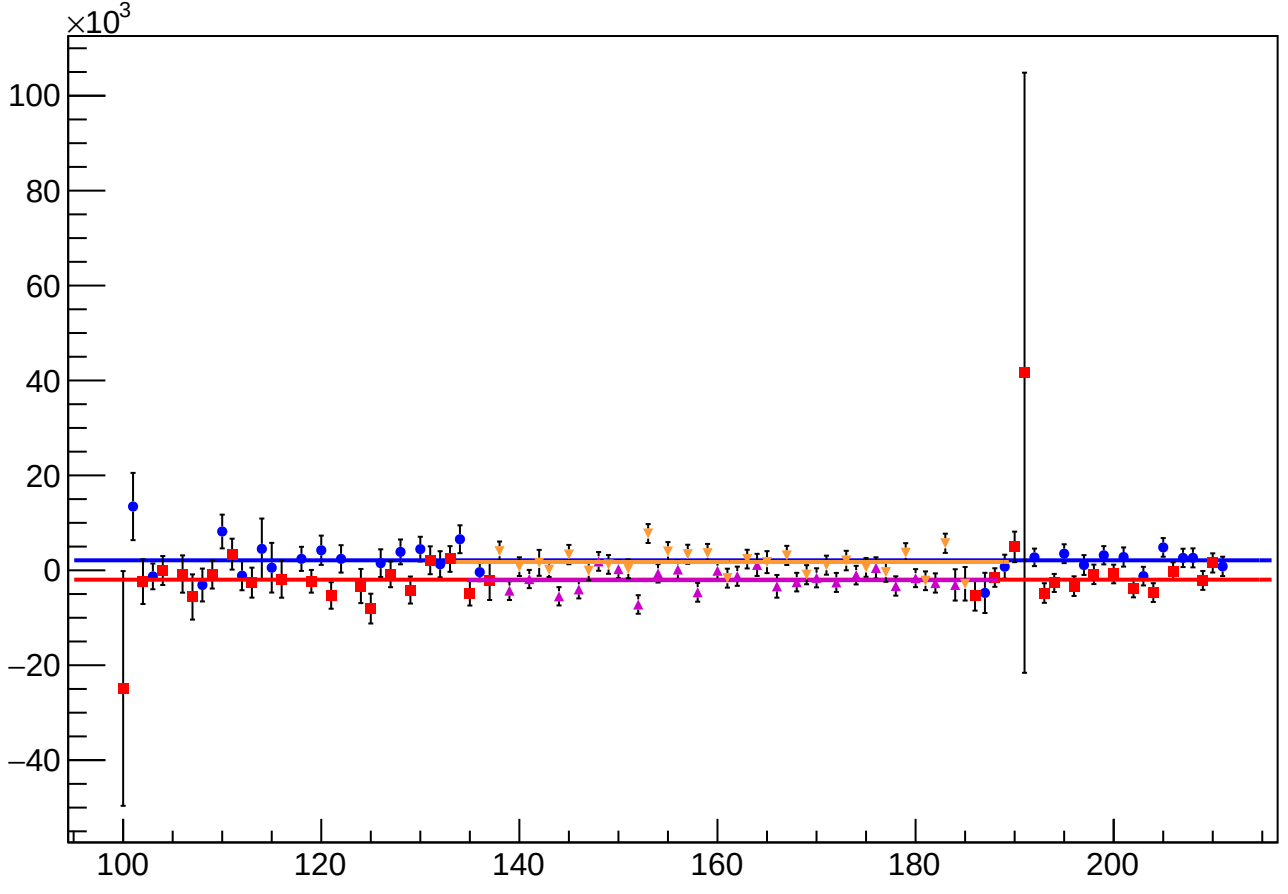
Left In: 450.652+/-0.085 χ^2/NDF:7928332.5/22

+ sign 543.920+/-0.072 χ^2/NDF: 13931071.6/52

All: 532.674+/-0.050 χ^2/NDF: 29014497.7/10

- sign 522.090+/-0.070 χ^2/NDF: 15036098.9/55

eigen_dit_asym_at1_avg_mean vs Slug



Right In: 2107.529+/-467.587 χ^2/NDF: 26.0/27

Left Out: 1755.493+/-405.401 χ^2/NDF:33.8/24

Right Out: -1971.321+/-453.785 χ^2/NDF: 32.9/32

Left In: -2073.441+/-423.648 χ^2/NDF:27.0/22

\+ sign 1906.561+/-306.306 χ^2/NDF: 60.1/52

All: -38.178+/-217.771 χ^2/NDF: 201.5/108

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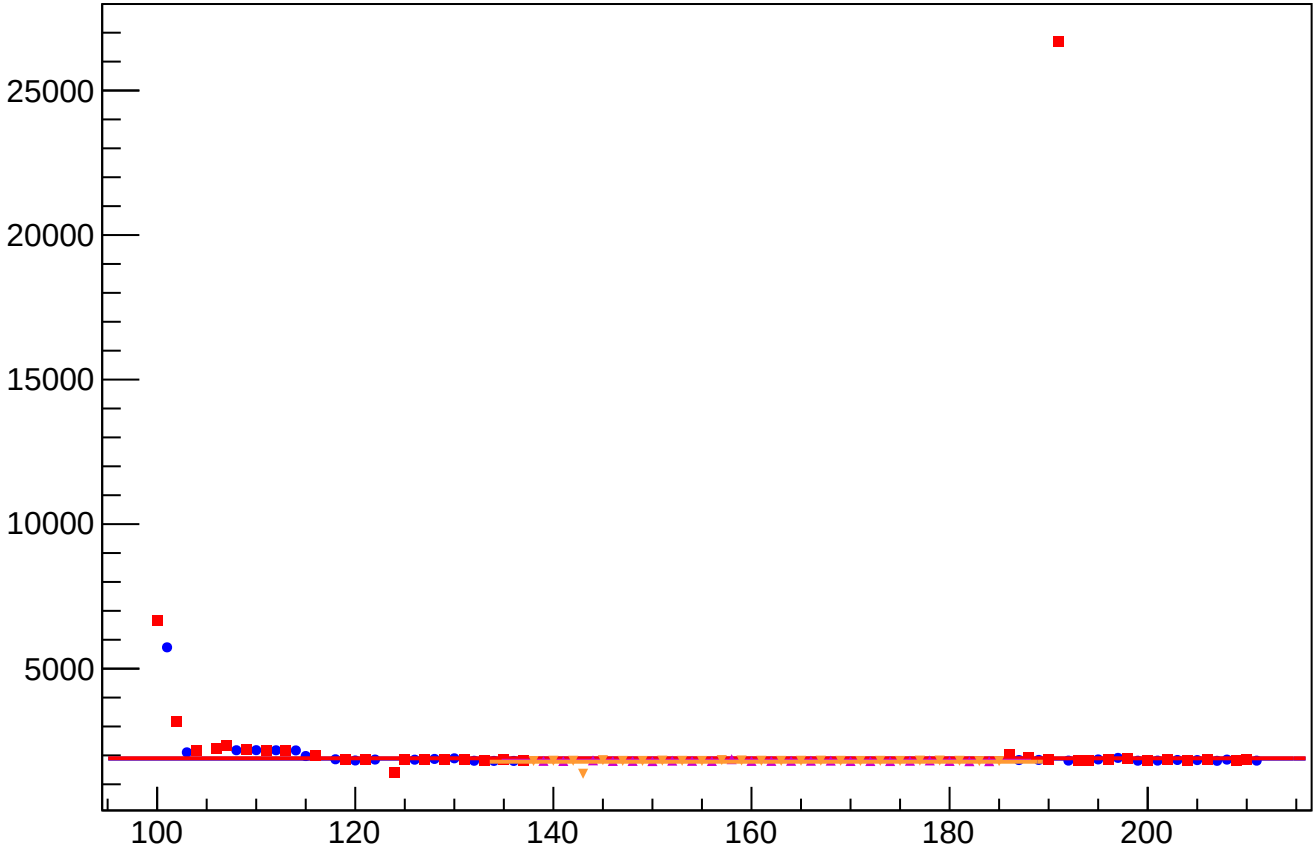
eigen_dit_asym_at1_avg_rms vs Slug



Right In: 1887.534+/-0.331 χ^2/NDF: 678444.4/27

Left Out: 1780.913+/-0.287 χ^2/NDF:164936.9/24

Right Out: 1899.960+/-0.321 χ^2/NDF: 696809.0/32

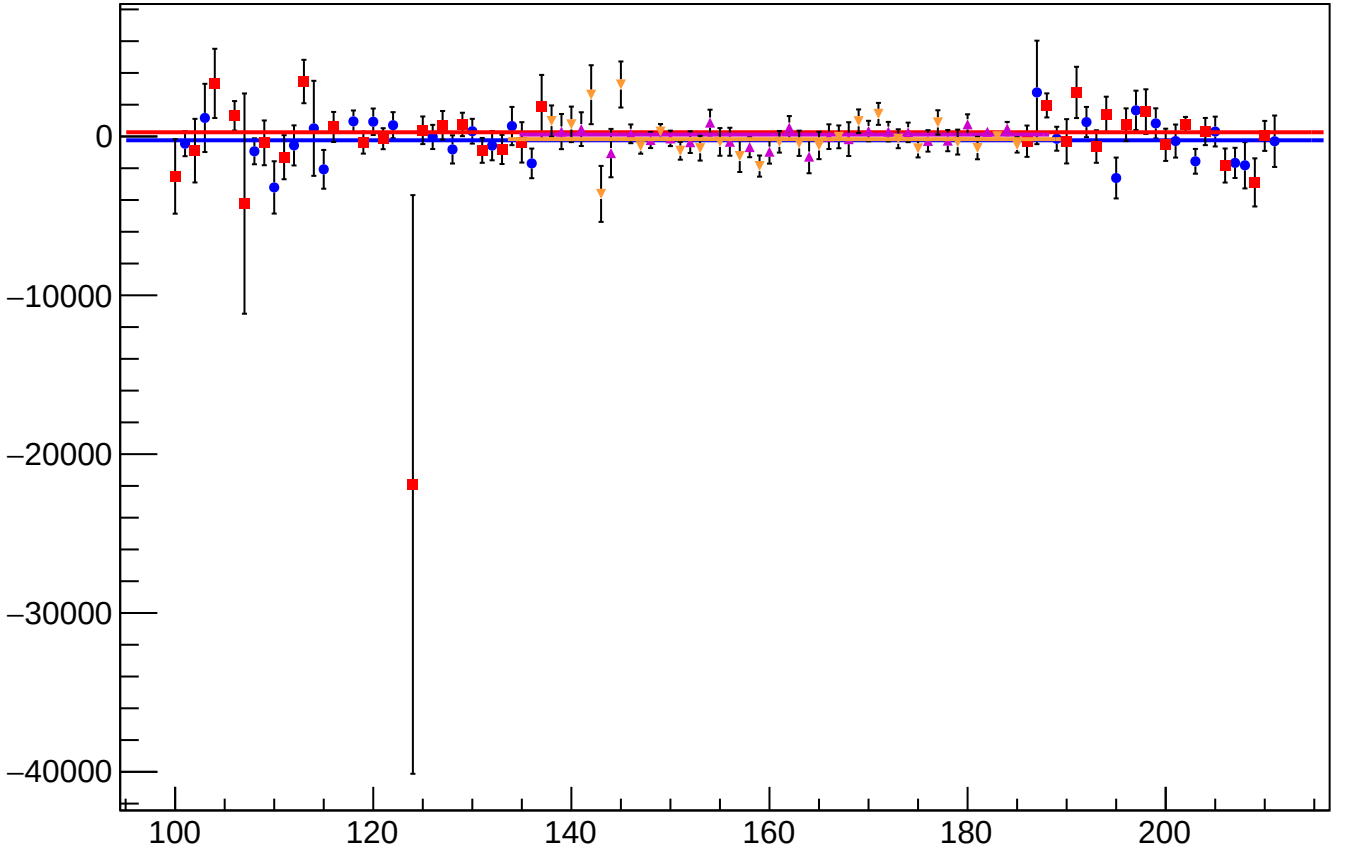
Left In: 1814.434+/-0.300 χ^2/NDF:2094.6/22

+ sign 1826.667+/-0.217 χ^2/NDF: 902746.6/52

All: 1840.314+/-0.154 χ^2/NDF: 1647637.1/10

- sign 1854.263+/-0.219 χ^2/NDF: 736862.6/55

asym_at1_avg_eigen_dit_correction_mean vs Slug



Right In: -240.176+/-186.348 χ^2/NDF: 33.3/27

Left Out: -167.909+/-121.629 χ^2/NDF:38.3/24

Right Out: 265.088+/-174.866 χ^2/NDF: 40.9/32

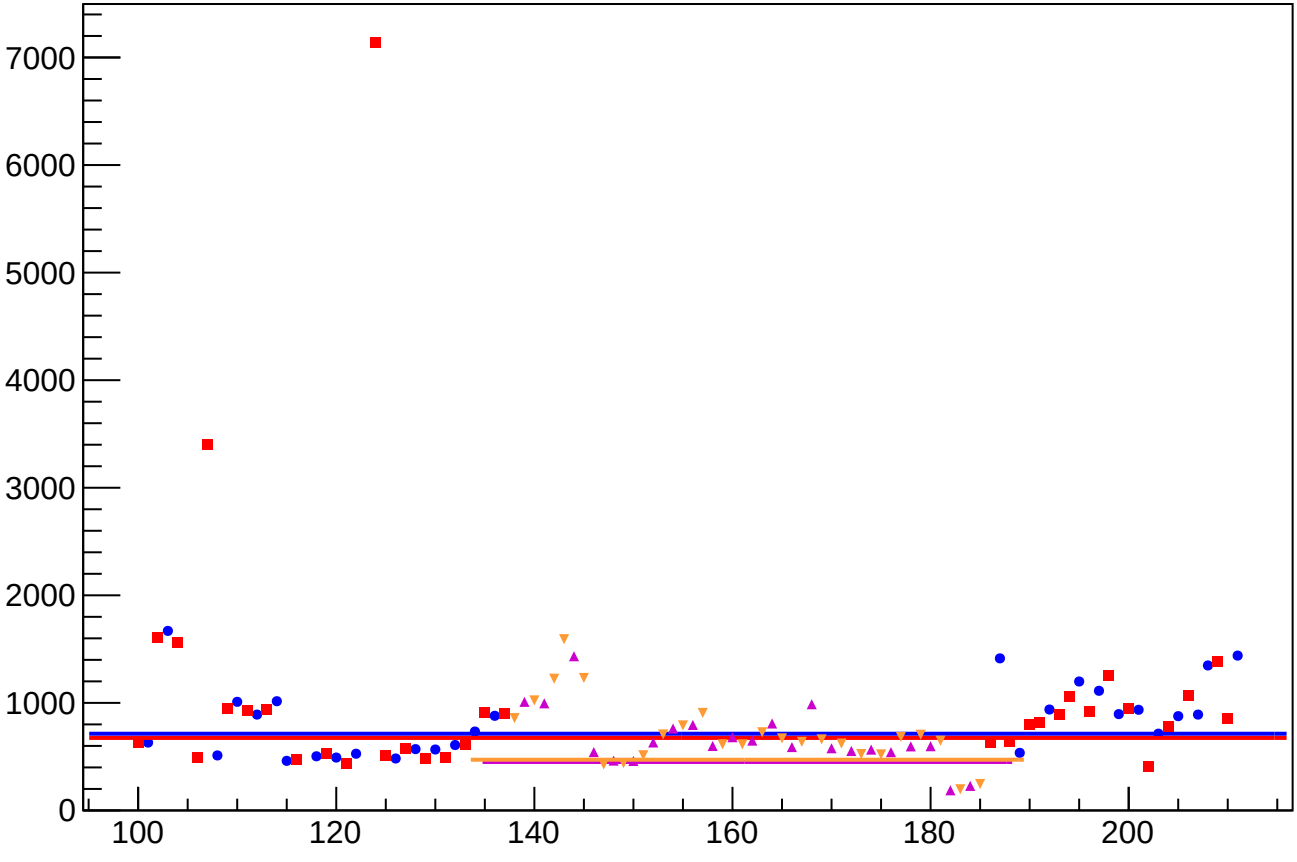
Left In: 117.211+/-119.772 χ^2/NDF:12.3/22

+ sign -189.499+/-101.853 χ^2/NDF: 71.7/52

All: -7.176+/-70.923 χ^2/NDF: 131.6/108

- sign 164.433+/-98.815 χ^2/NDF: 53.6/55

asym_at1_avg_eigen_dit_correction_rms vs Slug



Right In: 713.265+/-0.132 χ^2/NDF: 3463116.0/27

Left Out: 471.778+/-0.086 χ^2/NDF:8112665.9/24

Right Out: 674.365+/-0.124 χ^2/NDF: 4879648.0/32

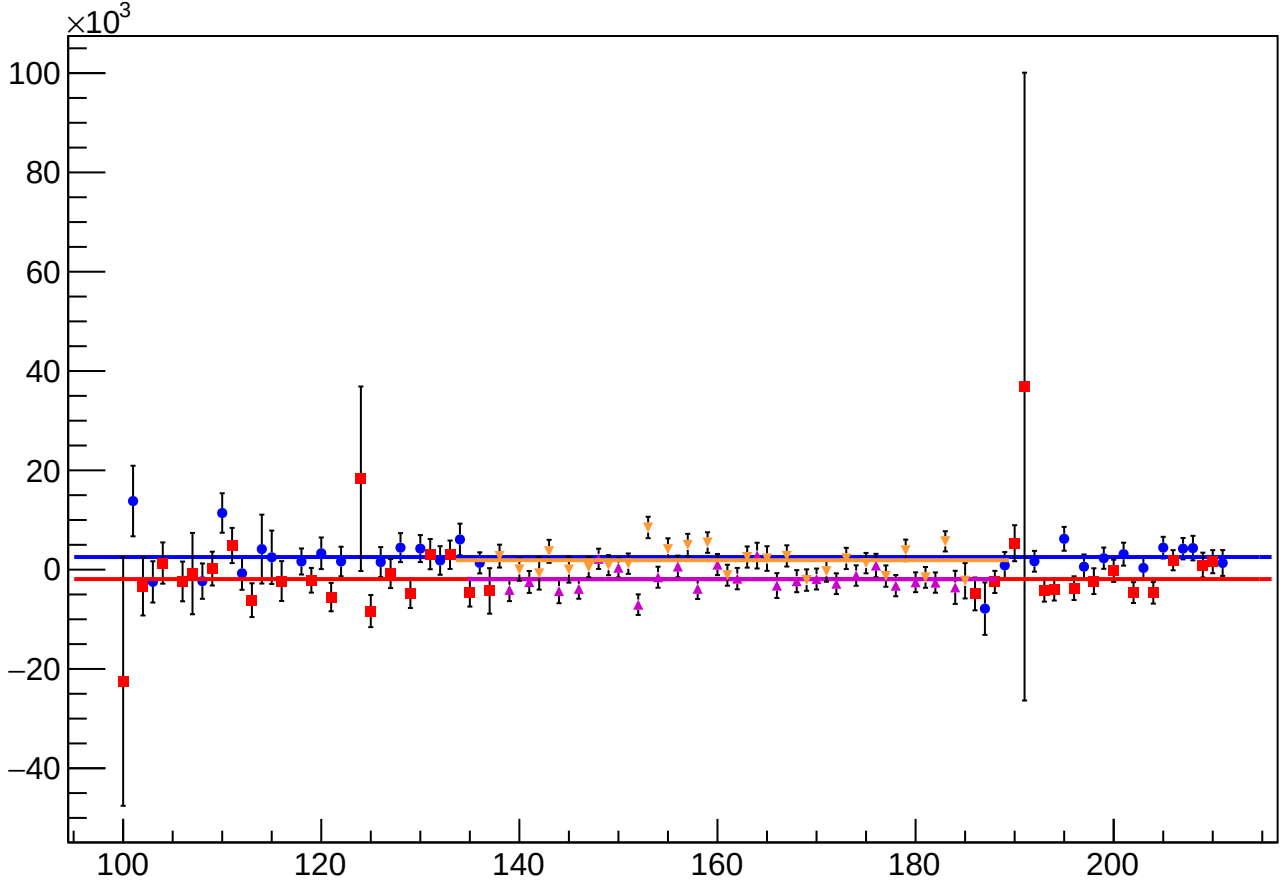
Left In: 450.653+/-0.085 χ^2/NDF:7928317.5/22

+ sign 543.920+/-0.072 χ^2/NDF: 13931074.5/52

All: 532.675+/-0.050 χ^2/NDF: 29014479.3/10

- sign 522.091+/-0.070 χ^2/NDF: 15036079.1/55

asym_at1_avg_mean vs Slug



Right In: 2537.972+/-524.703 χ^2/NDF: 25.3/27

Left Out: 1907.369+/-443.523 χ^2/NDF:36.3/24

Right Out: -1899.926+/-513.111 χ^2/NDF: 40.1/32

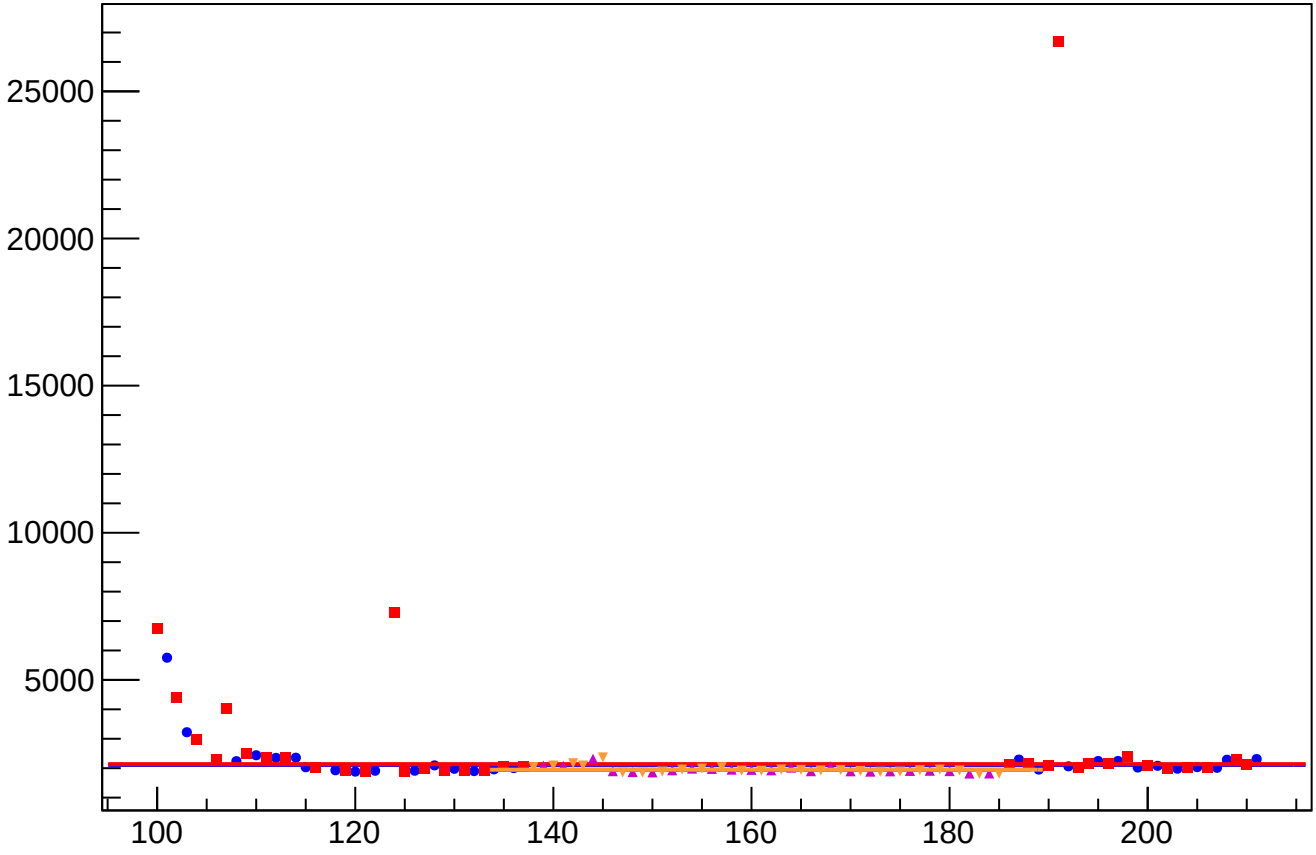
Left In: -1926.570+/-454.880 χ^2/NDF:24.8/22

+ sign 2170.168+/-338.725 χ^2/NDF: 62.4/52

All: 137.635+/-240.098 χ^2/NDF: 199.6/108

- sign -1914.845+/-340.383 χ^2/NDF: 64.9/55

asym_at1_avg_rms vs Slug



Right In: 2111.568+/-0.371 χ^2/NDF: 821968.7/27

Left Out: 1949.001+/-0.314 χ^2/NDF:108523.9/24

Right Out: 2137.395+/-0.363 χ^2/NDF: 1186215.5/32

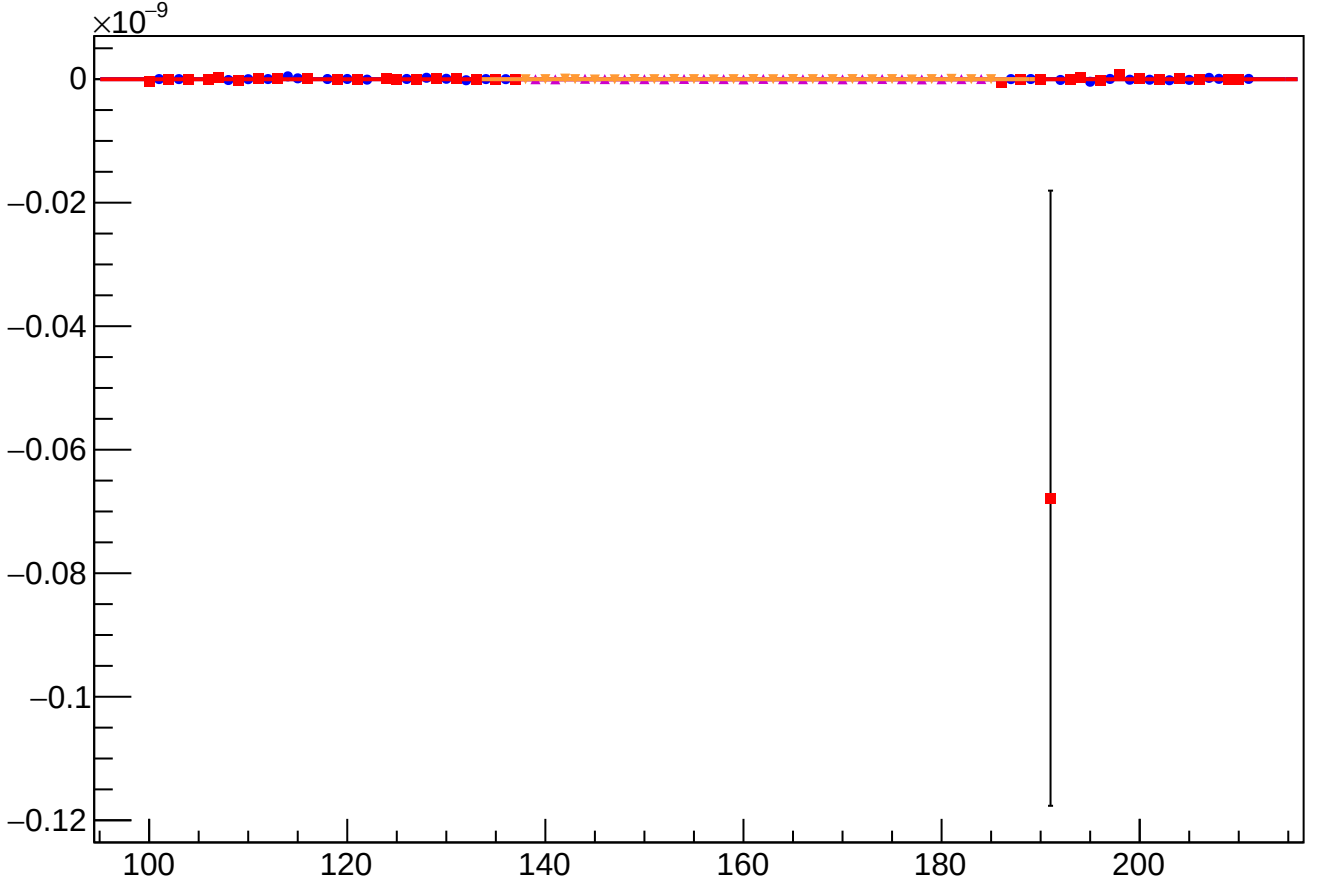
Left In: 1945.132+/-0.322 χ^2/NDF:95954.5/22

+ sign 2016.749+/-0.240 χ^2/NDF: 1042468.7/52

All: 2023.213+/-0.170 χ^2/NDF: 2483334.6/10

- sign 2029.740+/-0.241 χ^2/NDF: 1439402.3/55

asym_at1_avg_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 33.6/27

Left Out: 0.000+/-0.000 χ^2/NDF:28.7/24

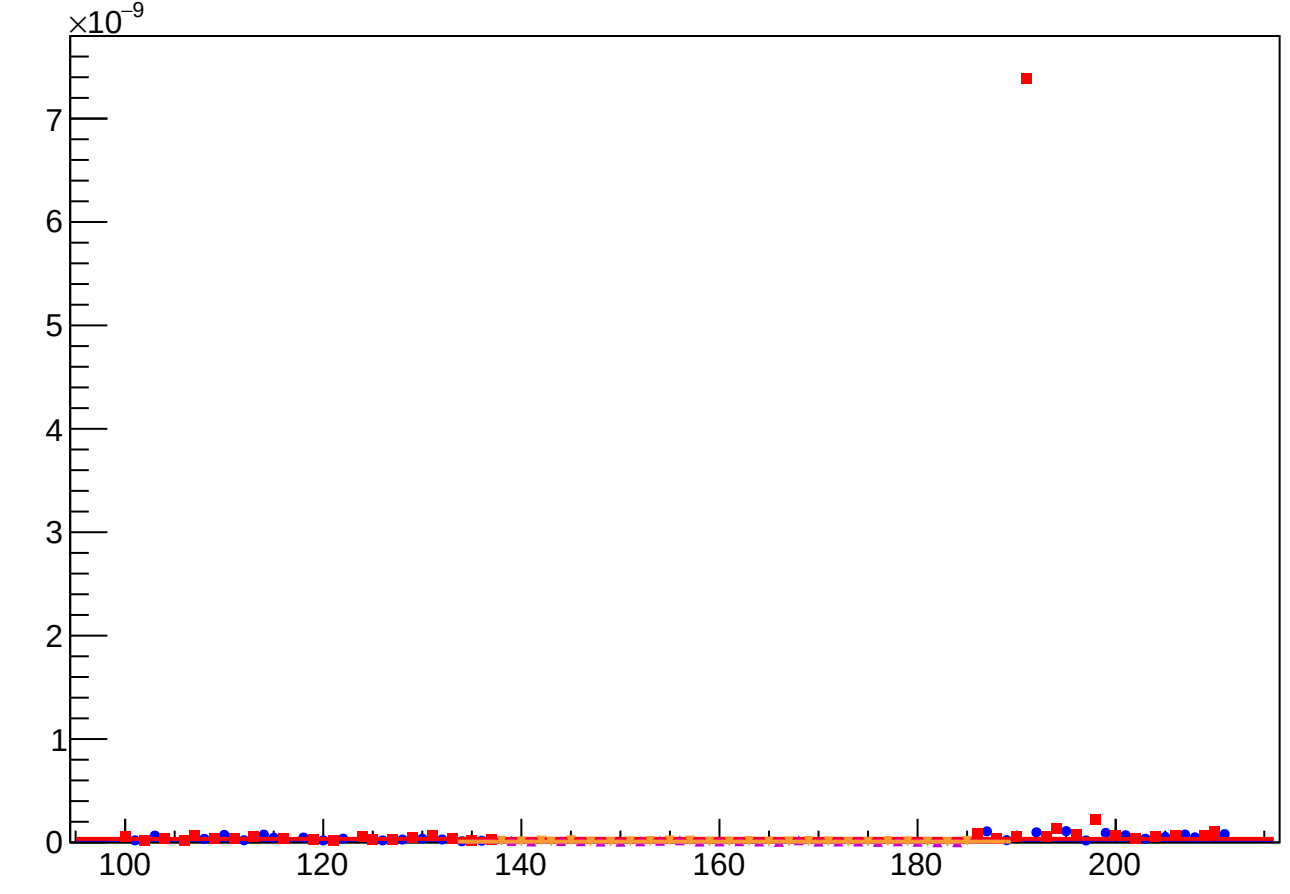
Right Out: -0.000+/-0.000 χ^2/NDF: 30.9/32

Left In: 0.000+/-0.000 χ^2/NDF:31.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 62.4/52

All: 0.000+/-0.000 χ^2/NDF: 126.1/108

- sign 0.000+/-0.000 χ^2/NDF: 63.4/55



Right In: 0.000+/-0.000 χ^2/NDF: 3834126.9/27

Left Out: 0.000+/-0.000 χ^2/NDF:2160933.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3635029.0/32

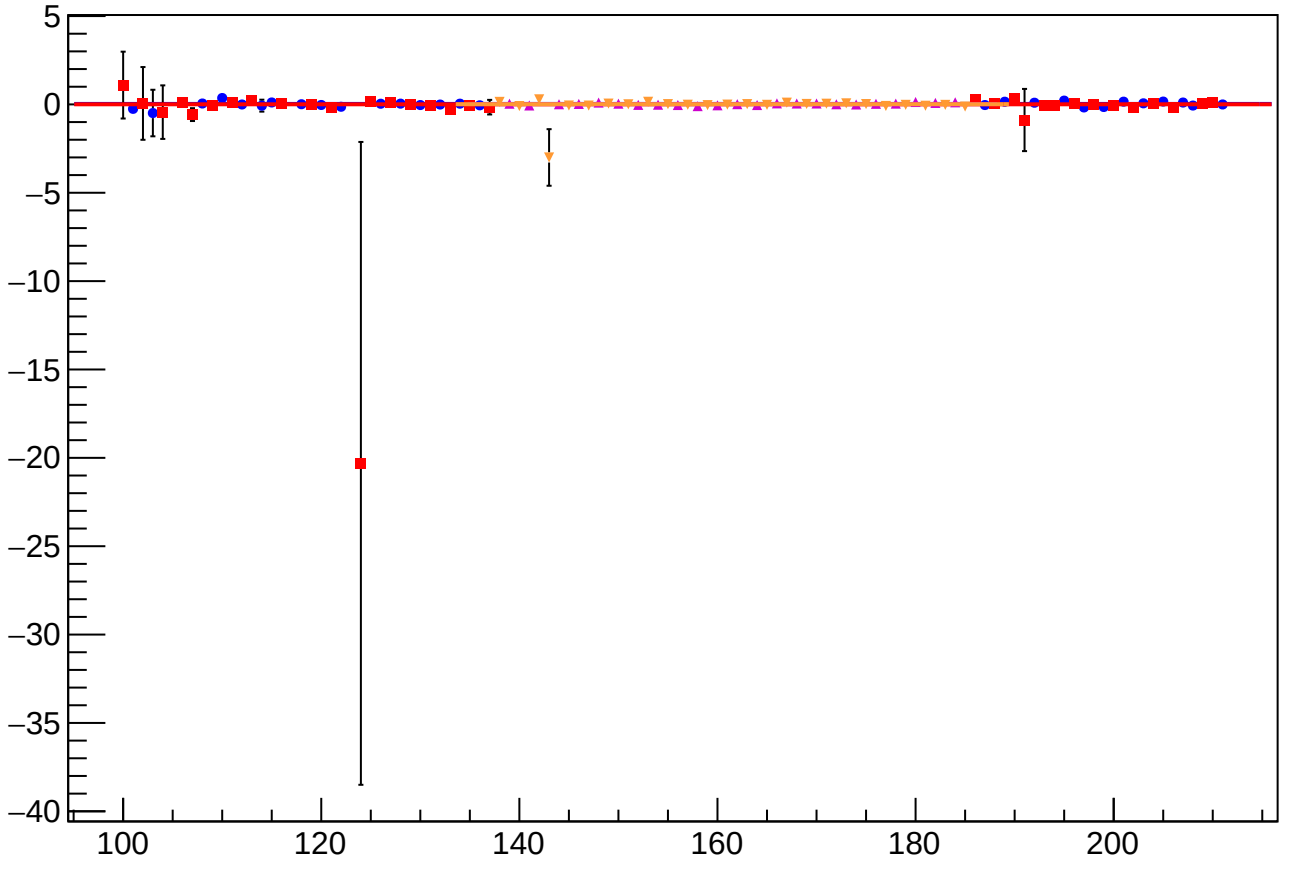
Left In: 0.000+/-0.000 χ^2/NDF:2613869.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 10038723.3/52

All: 0.000+/-0.000 χ^2/NDF: 21819126.7/108

- sign 0.000+/-0.000 χ^2/NDF: 11778059.8/55

asym_at1_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.026+/-0.020 χ^2/NDF: 23.6/27

Left Out: 0.011+/-0.012 χ^2/NDF:29.6/24

Right Out: 0.006+/-0.019 χ^2/NDF: 30.5/32

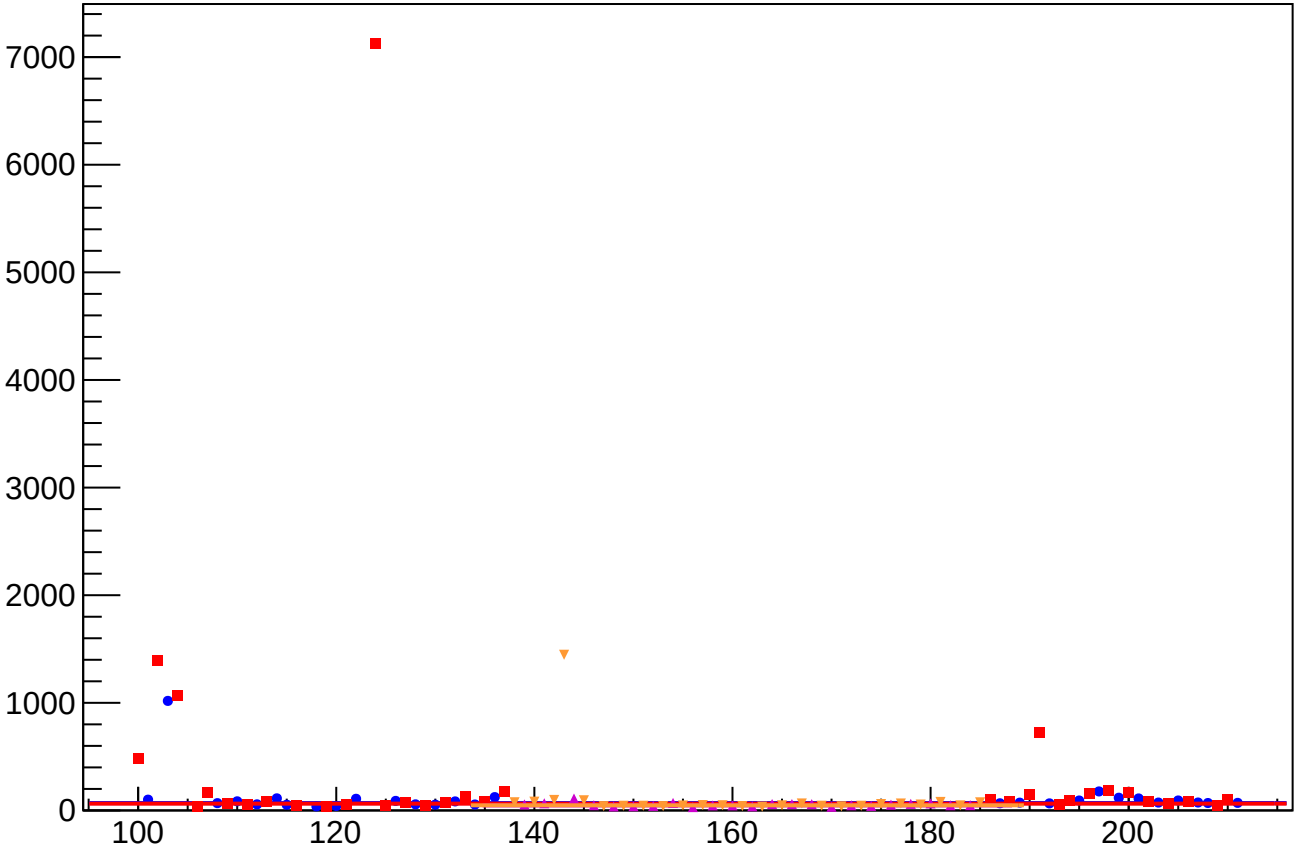
Left In: 0.018+/-0.012 χ^2/NDF:20.3/22

+ sign 0.015+/-0.011 χ^2/NDF: 53.6/52

All: 0.015+/-0.007 χ^2/NDF: 104.7/108

- sign 0.015+/-0.010 χ^2/NDF: 51.1/55

asym_at1_avg_dit_vs_cor_diff_rms vs Slug



Right In: 68.537+/-0.014 χ^2/NDF: 3884408.9/27

Left Out: 47.901+/-0.009 χ^2/NDF:3496596.6/24

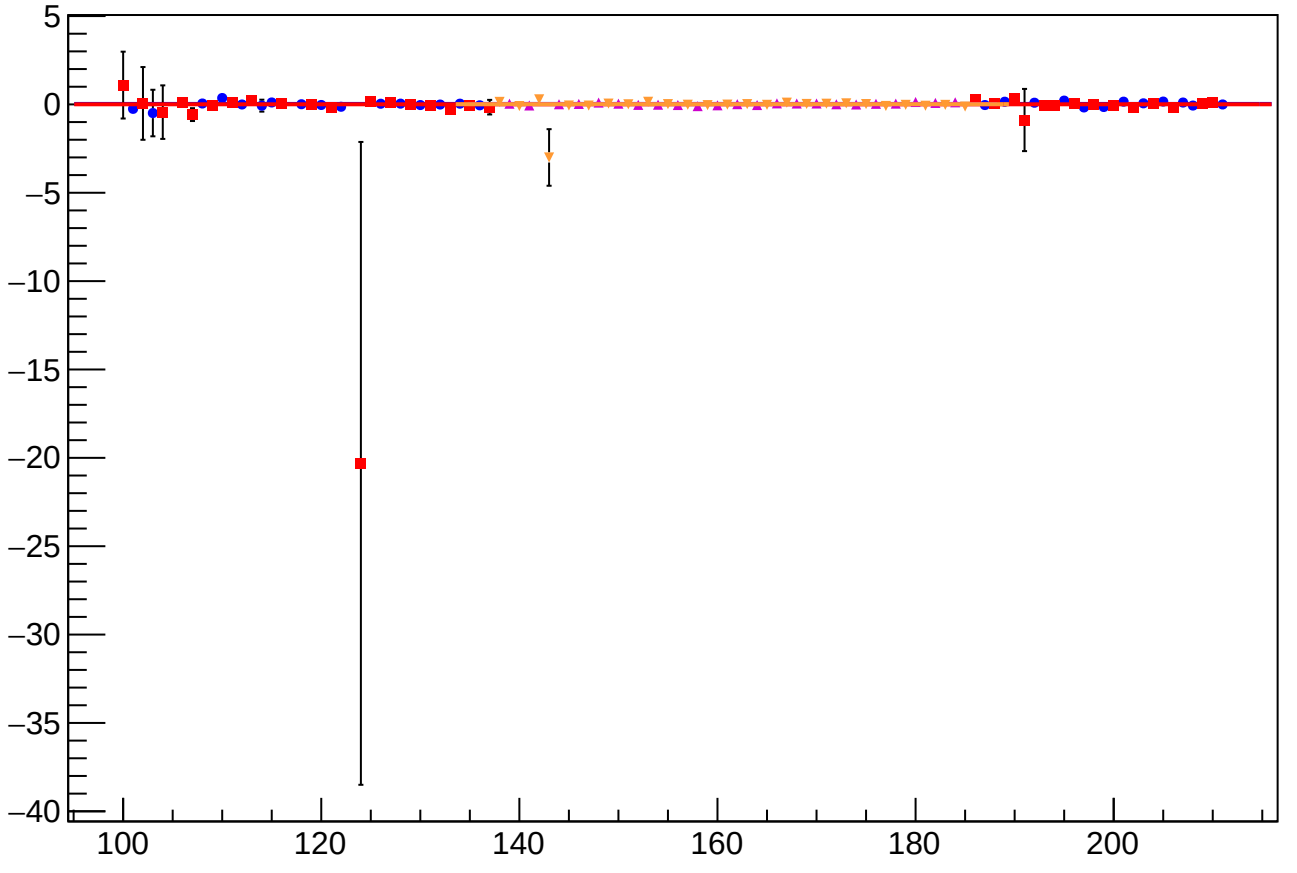
Right Out: 63.238+/-0.013 χ^2/NDF: 6573490.3/32

Left In: 46.786+/-0.009 χ^2/NDF:1949486.1/22

+ sign 53.640+/-0.007 χ^2/NDF: 8911141.8/52

All: 52.588+/-0.005 χ^2/NDF: 18524894.9/108

- sign 51.587+/-0.007 χ^2/NDF: 9575097.8/55



Right In: 0.026+/-0.020 χ^2/NDF: 23.6/27

Left Out: 0.011+/-0.012 χ^2/NDF:29.6/24

Right Out: 0.006+/-0.019 χ^2/NDF: 30.5/32

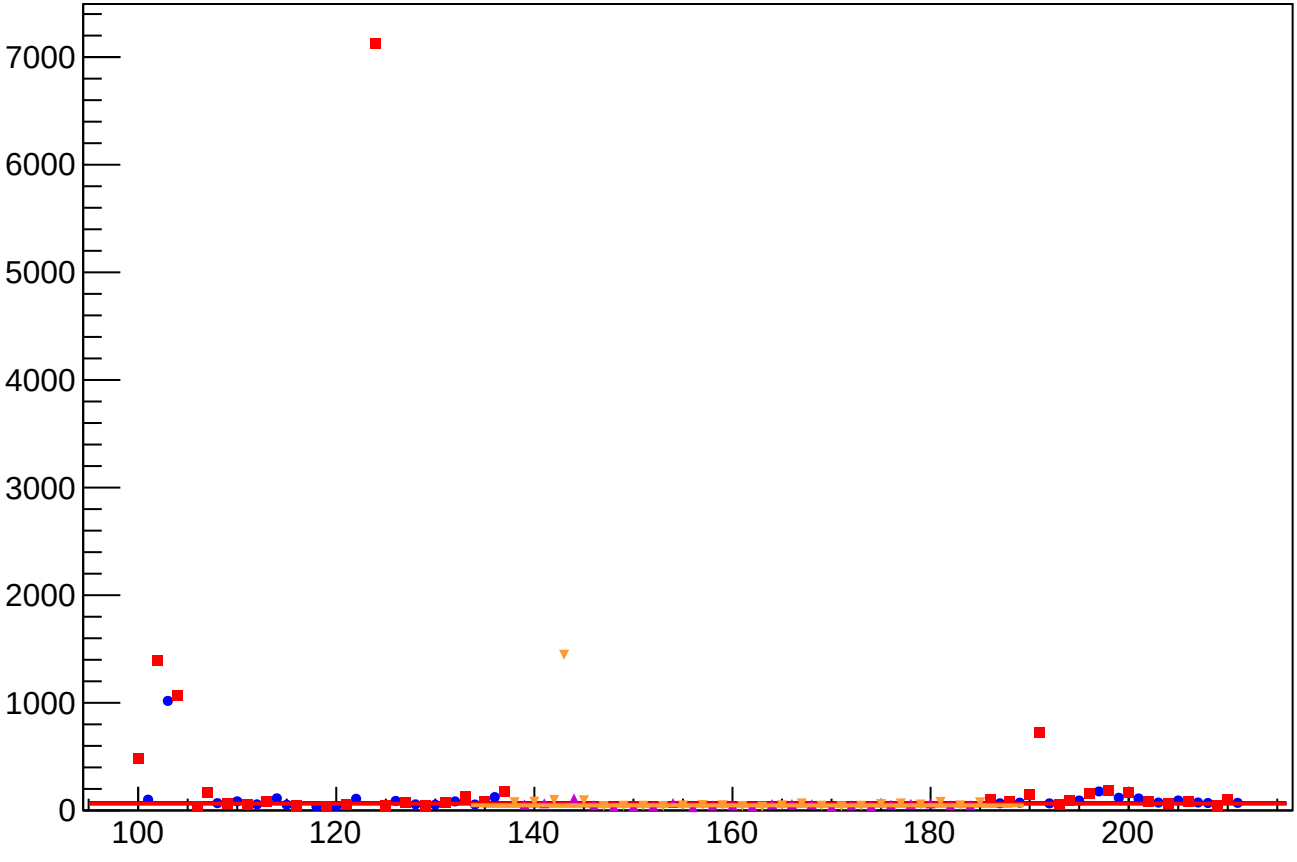
Left In: 0.018+/-0.012 χ^2/NDF:20.3/22

+ sign 0.015+/-0.011 χ^2/NDF: 53.6/52

All: 0.015+/-0.007 χ^2/NDF: 104.7/108

- sign 0.015+/-0.010 χ^2/NDF: 51.1/55

asym_at1_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 68.537+/-0.014 χ^2/NDF: 3884408.9/27

Left Out: 47.901+/-0.009 χ^2/NDF:3496596.6/24

Right Out: 63.238+/-0.013 χ^2/NDF: 6573490.3/32

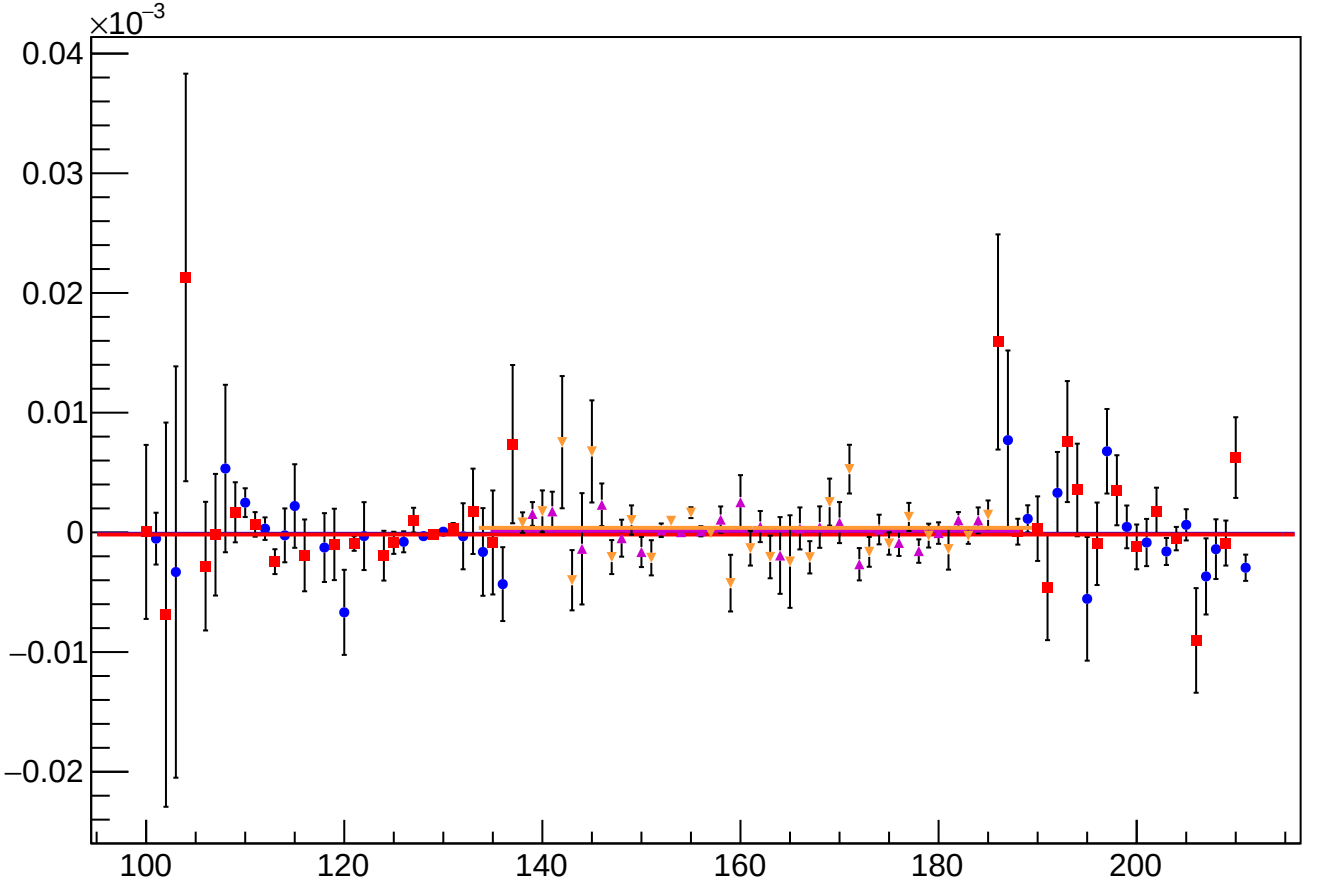
Left In: 46.786+/-0.009 χ^2/NDF:1949486.1/22

+ sign 53.640+/-0.007 χ^2/NDF: 8911141.8/52

All: 52.588+/-0.005 χ^2/NDF: 18524894.9/108

- sign 51.587+/-0.007 χ^2/NDF: 9575097.8/55

asym_at1_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 31.7/27

Left Out: 0.000+/-0.000 χ^2/NDF:51.7/24

Right Out: -0.000+/-0.000 χ^2/NDF: 34.1/32

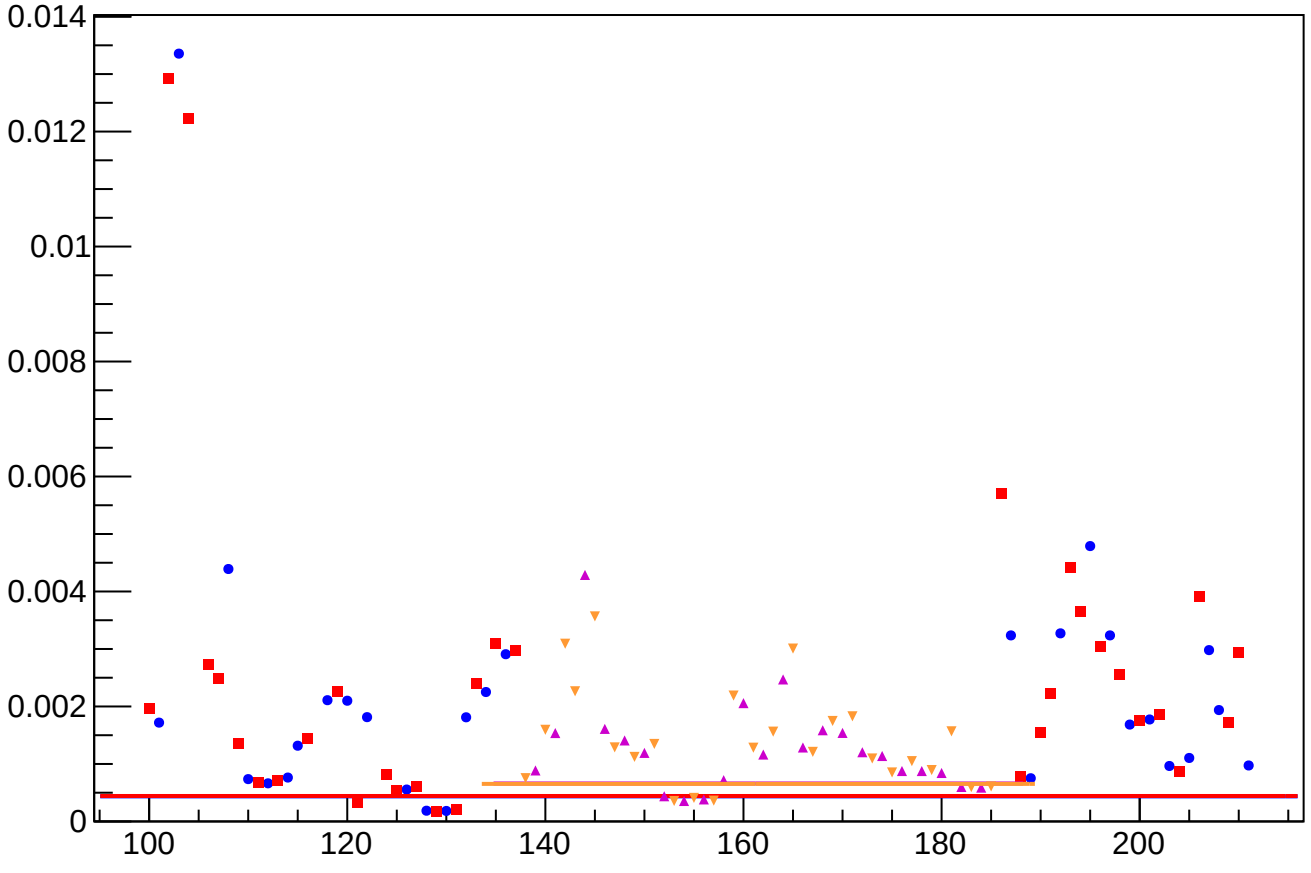
Left In: 0.000+/-0.000 χ^2/NDF:19.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 87.2/52

All: 0.000+/-0.000 χ^2/NDF: 143.3/108

- sign -0.000+/-0.000 χ^2/NDF: 55.5/55

asym_at1_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 19465493.3/27

Left Out: 0.001+/-0.000 χ^2/NDF:12083891.4/24

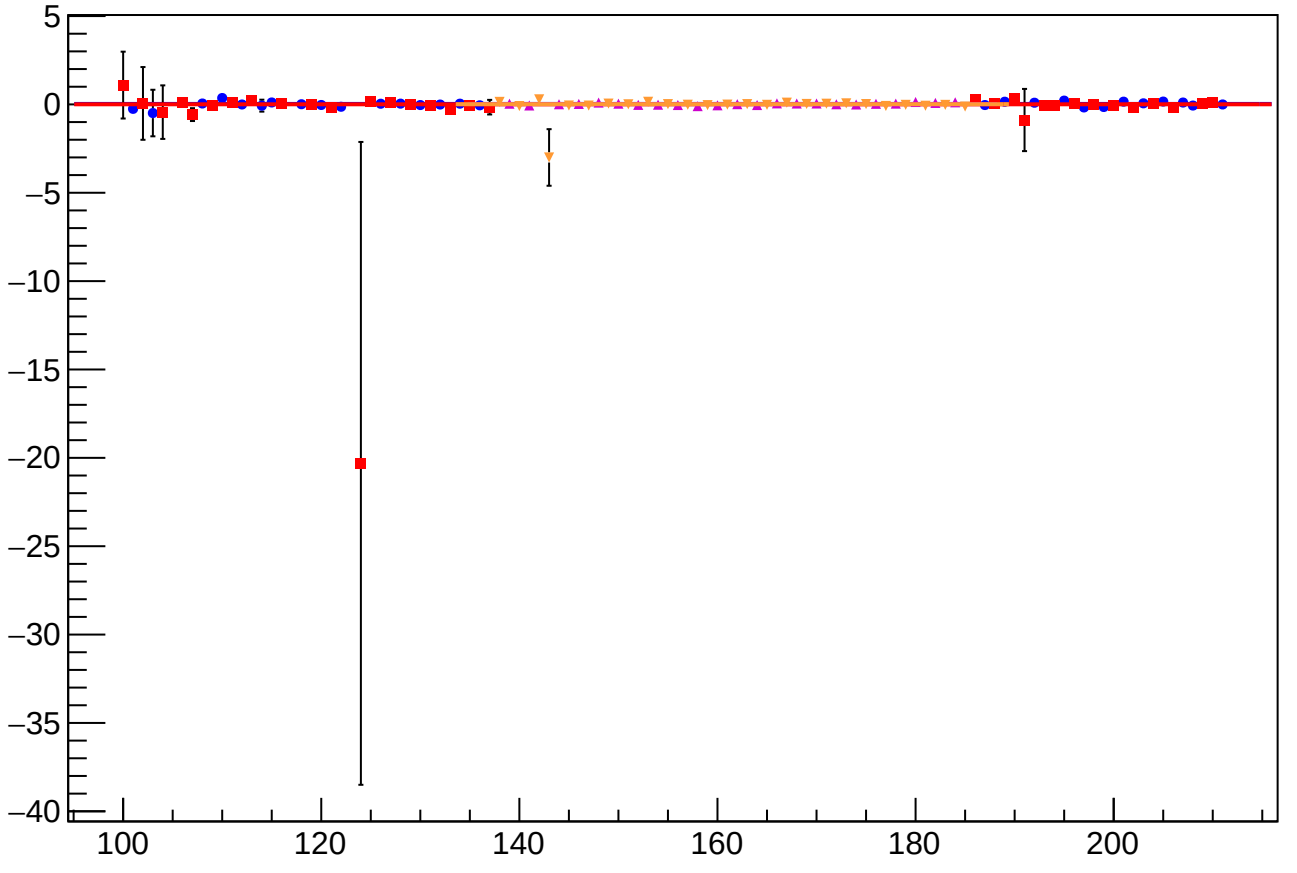
Right Out: 0.000+/-0.000 χ^2/NDF: 20854472.9/32

Left In: 0.001+/-0.000 χ^2/NDF:9695095.3/22

+ sign 0.001+/-0.000 χ^2/NDF: 32987230.4/52

All: 0.001+/-0.000 χ^2/NDF: 64928568.2/108

- sign 0.001+/-0.000 χ^2/NDF: 31940128.3/55



Right In: 0.026+/-0.020 χ^2/NDF: 23.6/27

Left Out: 0.011+/-0.012 χ^2/NDF:29.6/24

Right Out: 0.006+/-0.019 χ^2/NDF: 30.5/32

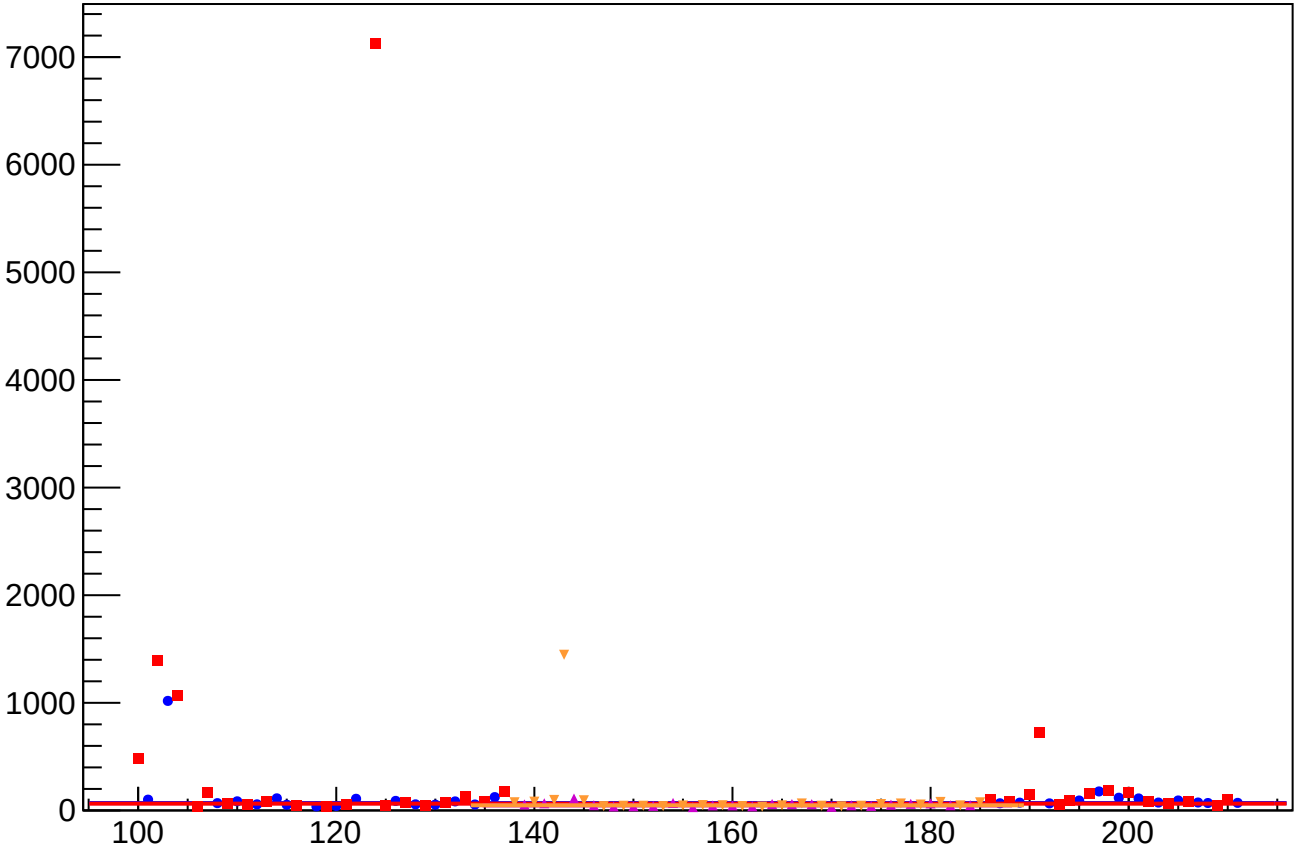
Left In: 0.018+/-0.012 χ^2/NDF:20.3/22

+ sign 0.015+/-0.011 χ^2/NDF: 53.6/52

All: 0.015+/-0.007 χ^2/NDF: 104.7/108

- sign 0.015+/-0.010 χ^2/NDF: 51.1/55

asym_at1_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 68.537+/-0.014 χ^2/NDF: 3884465.6/27

Left Out: 47.902+/-0.009 χ^2/NDF:3496571.8/24

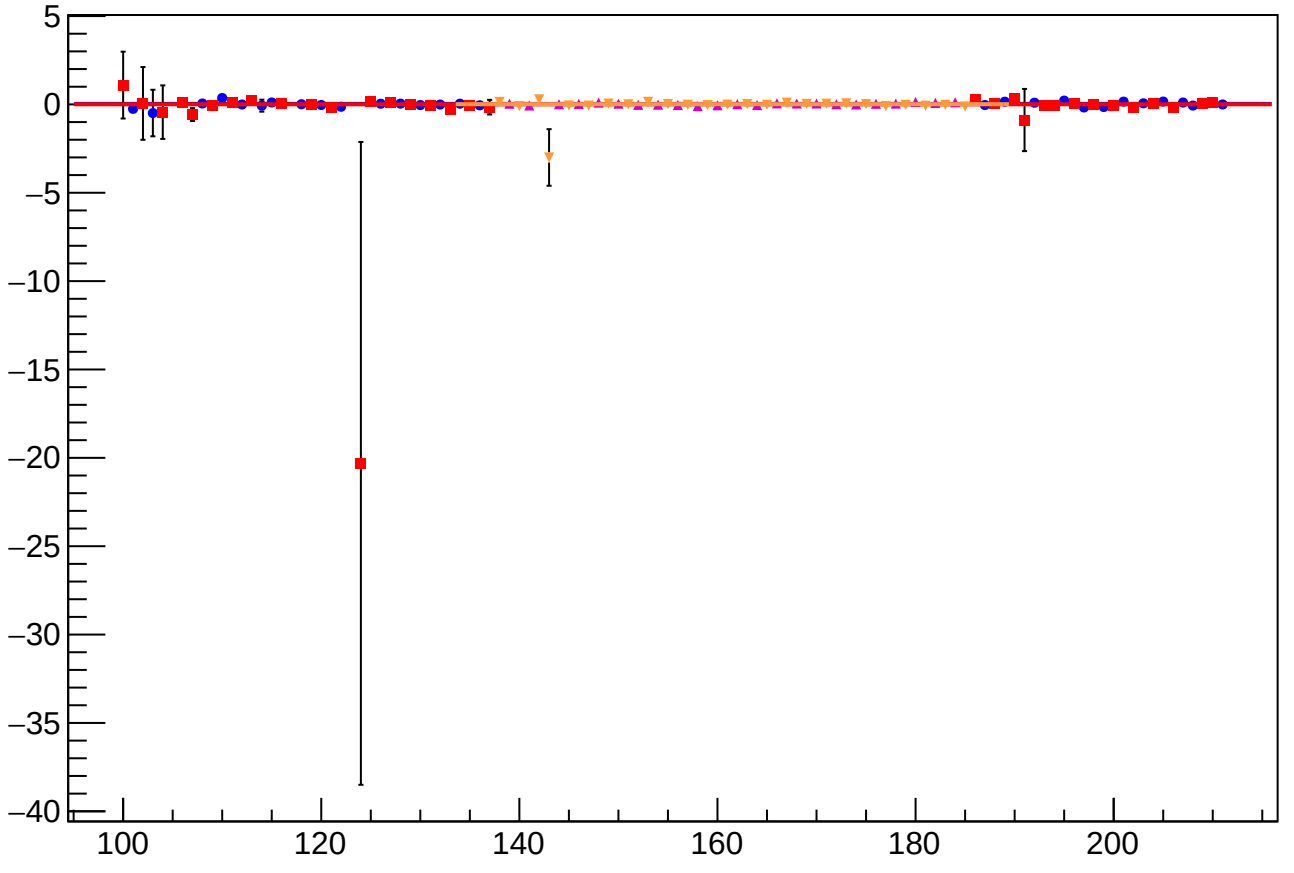
Right Out: 63.238+/-0.013 χ^2/NDF: 6573701.0/32

Left In: 46.786+/-0.009 χ^2/NDF:1949480.3/22

+ sign 53.641+/-0.007 χ^2/NDF: 8911157.5/52

All: 52.588+/-0.005 χ^2/NDF: 18525035.4/108

- sign 51.587+/-0.007 χ^2/NDF: 9575207.1/55



Right In: 0.026+/-0.020 χ^2/NDF: 23.6/27

Left Out: 0.011+/-0.012 χ^2/NDF:29.6/24

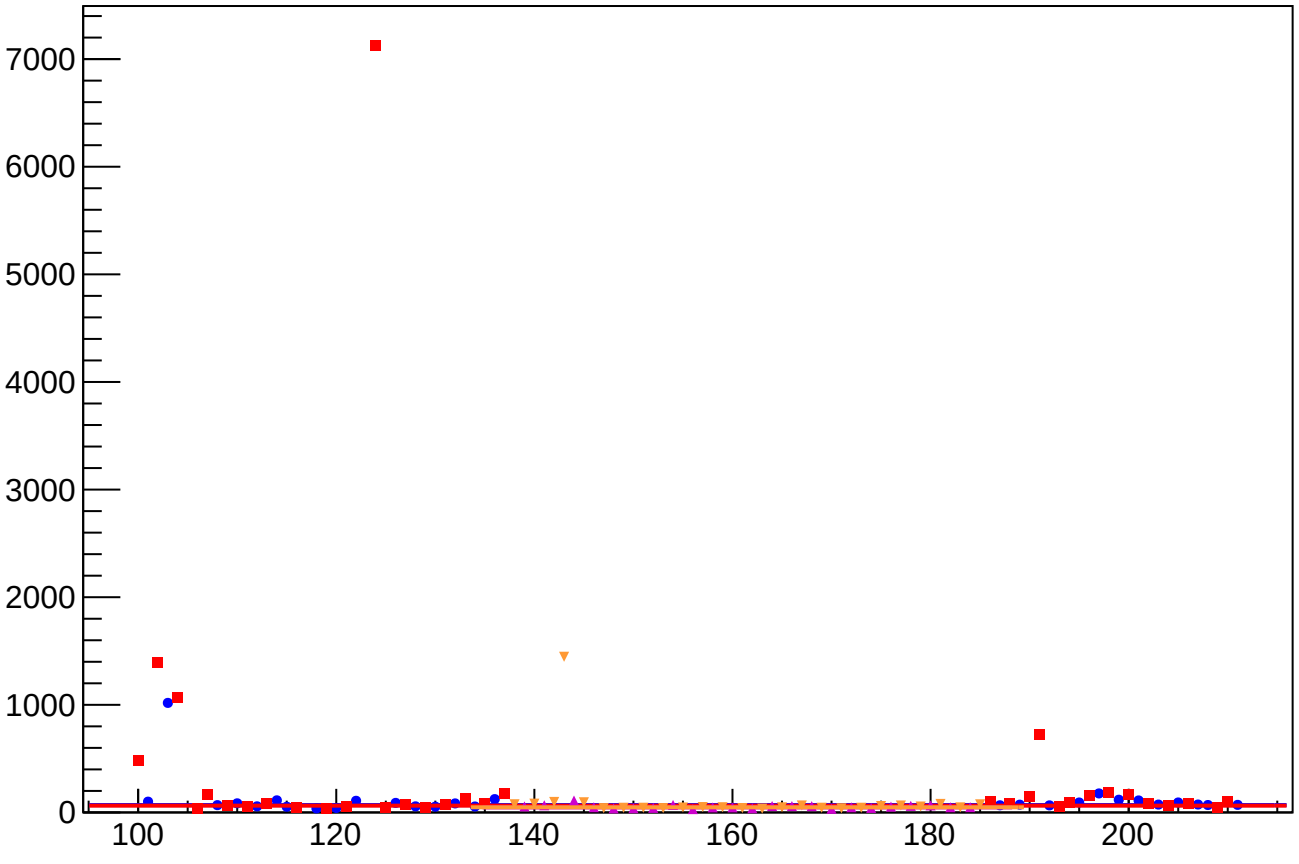
Right Out: 0.006+/-0.019 χ^2/NDF: 30.5/32

Left In: 0.018+/-0.012 χ^2/NDF:20.3/22

+ sign 0.015+/-0.011 χ^2/NDF: 53.6/52

All: 0.015+/-0.007 χ^2/NDF: 104.7/108

- sign 0.015+/-0.010 χ^2/NDF: 51.1/55



Right In: 68.537+/-0.014 χ^2/NDF: 3884465.6/27

Left Out: 47.902+/-0.009 χ^2/NDF:3496571.8/24

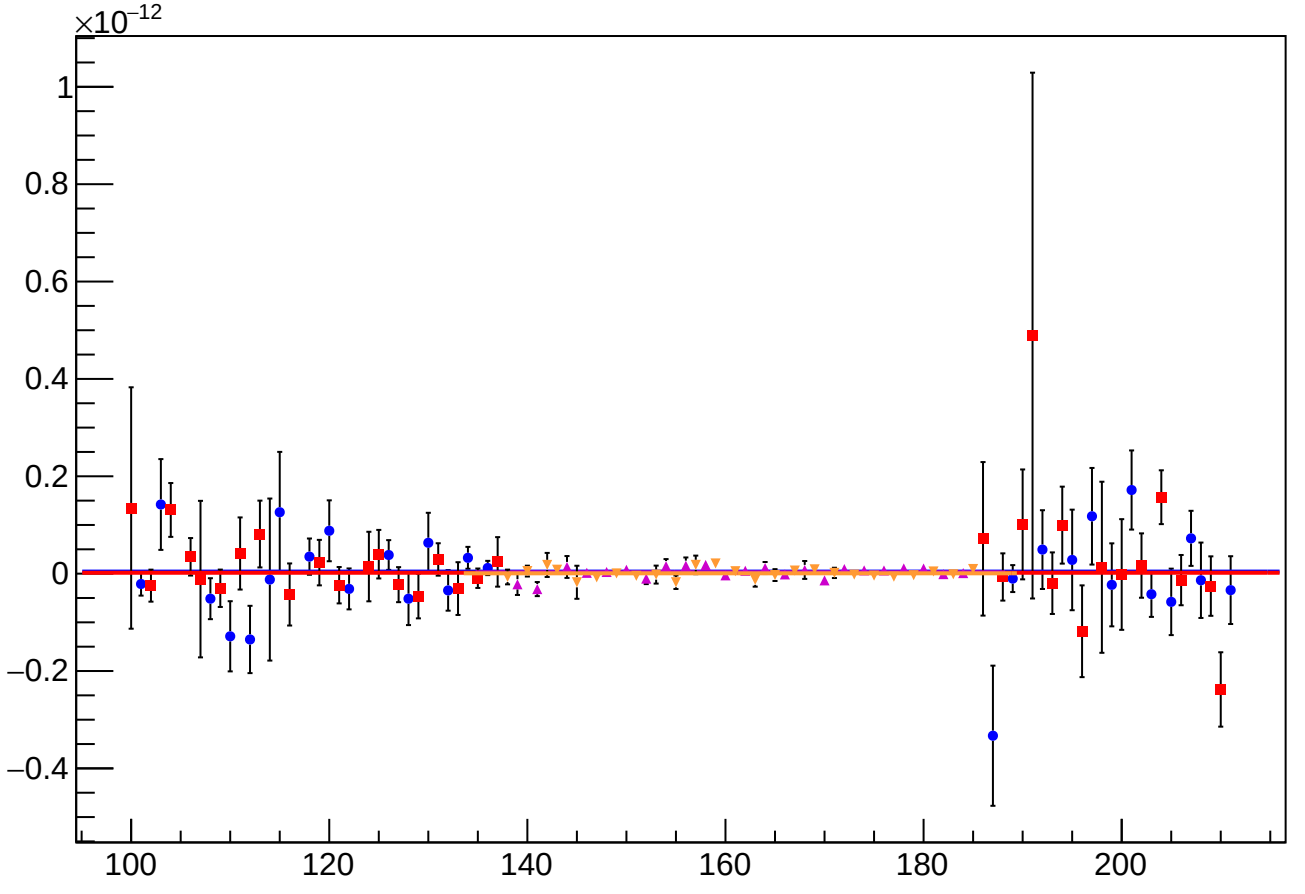
Right Out: 63.238+/-0.013 χ^2/NDF: 6573701.0/32

Left In: 46.786+/-0.009 χ^2/NDF:1949480.3/22

+ sign 53.641+/-0.007 χ^2/NDF: 8911157.5/52

All: 52.588+/-0.005 χ^2/NDF: 18525035.4/108

- sign 51.587+/-0.007 χ^2/NDF: 9575207.1/55



Right In: 0.000+/-0.000 χ^2/NDF: 38.1/27

Left Out: 0.000+/-0.000 χ^2/NDF:15.1/24

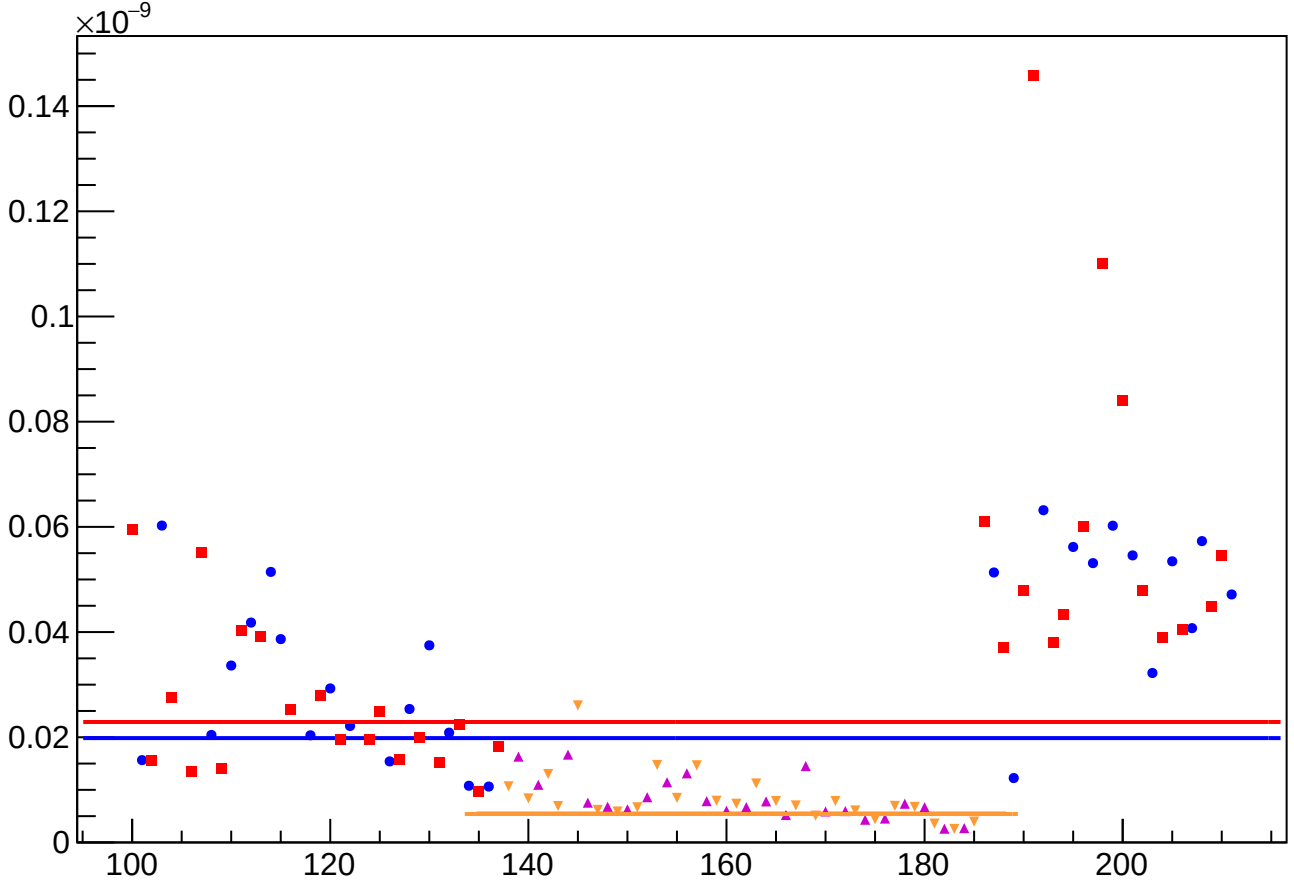
Right Out: 0.000+/-0.000 χ^2/NDF: 37.4/32

Left In: 0.000+/-0.000 χ^2/NDF:21.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 53.4/52

All: 0.000+/-0.000 χ^2/NDF: 113.1/108

- sign 0.000+/-0.000 χ^2/NDF: 59.2/55



Right In: 0.000+/-0.000 χ^2/NDF: 6008967.0/27

Left Out: 0.000+/-0.000 χ^2/NDF:5134602.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5230342.2/32

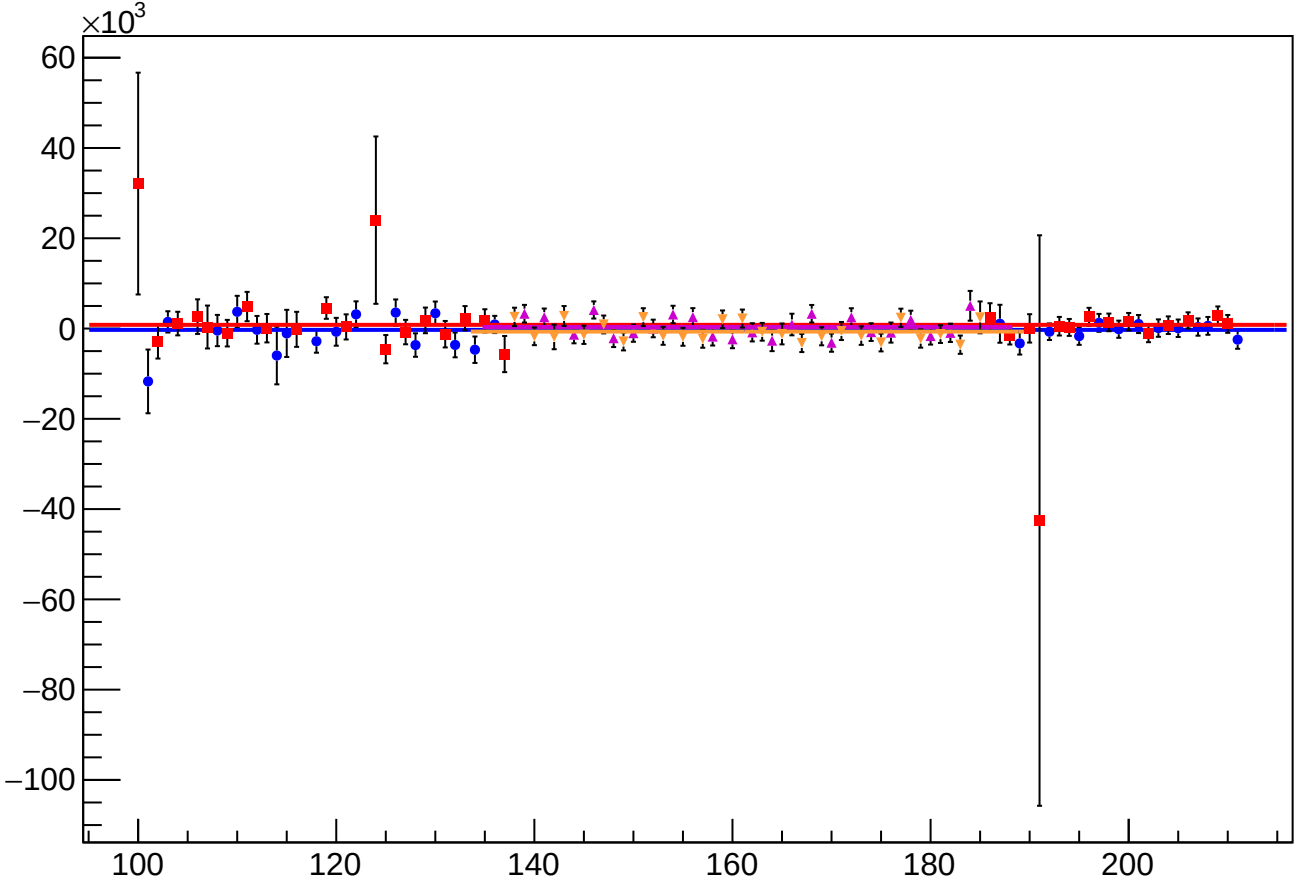
Left In: 0.000+/-0.000 χ^2/NDF:4905821.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 17791089.8/52

All: 0.000+/-0.000 χ^2/NDF: 35537705.4/108

- sign 0.000+/-0.000 χ^2/NDF: 17744926.1/55

reg_asym_at1_dd_mean vs Slug



Right In: -292.853+/-460.163 χ^2/NDF: 21.9/27

Left Out: -670.041+/-412.206 χ^2/NDF:24.7/24

Right Out: 817.947+/-447.944 χ^2/NDF: 21.9/32

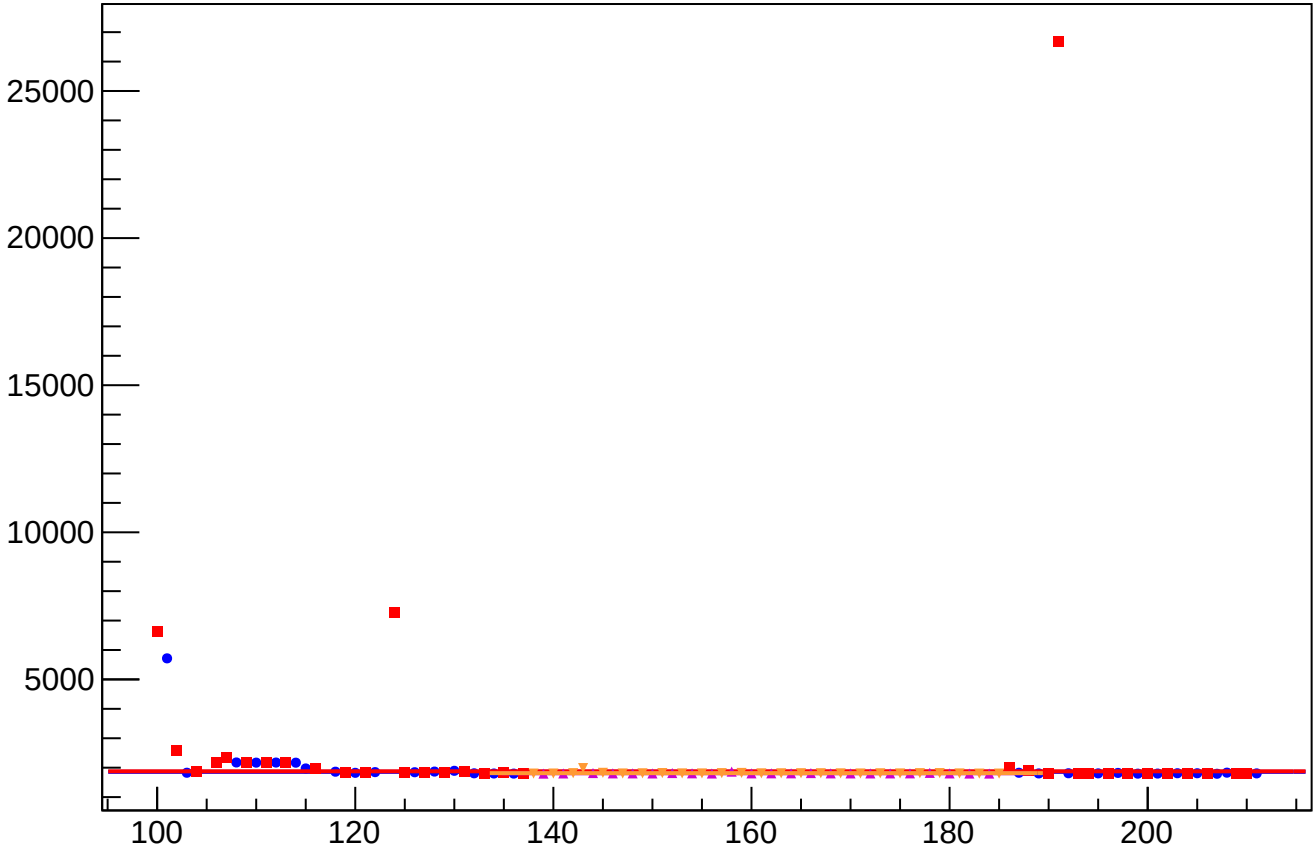
Left In: 342.945+/-422.712 χ^2/NDF:30.1/22

+ sign -502.120+/-307.033 χ^2/NDF: 47.1/52

All: 31.586+/-217.247 χ^2/NDF: 105.7/108

- sign 566.692+/-307.436 χ^2/NDF: 52.6/55

reg_asym_at1_dd_rms vs Slug



Right In: 1857.939+/-0.325 χ^2/NDF: 675958.7/27

Left Out: 1814.435+/-0.291 χ^2/NDF:13102.1/24

Right Out: 1876.689+/-0.317 χ^2/NDF: 752951.5/32

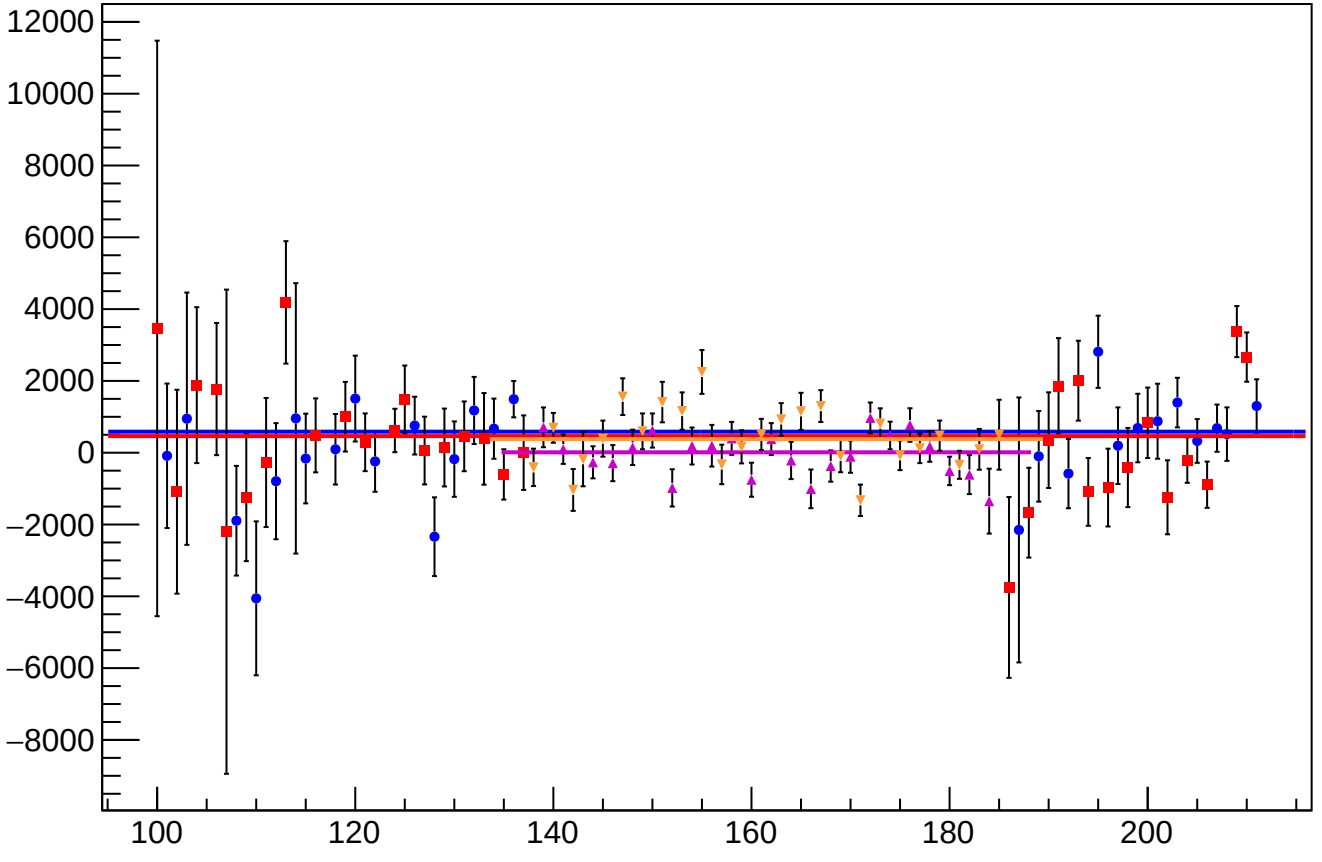
Left In: 1810.457+/-0.299 χ^2/NDF:1967.2/22

+ sign 1833.802+/-0.217 χ^2/NDF: 698978.4/52

All: 1837.724+/-0.154 χ^2/NDF: 1477678.0/10

- sign 1841.655+/-0.217 χ^2/NDF: 778046.2/55

asym_at1_dd_reg_correction_mean vs Slug



Right In: 586.110+/-178.674 χ^2/NDF: 31.6/27

Left Out: 379.353+/-97.013 χ^2/NDF:62.3/24

Right Out: 462.912+/-176.390 χ^2/NDF: 61.0/32

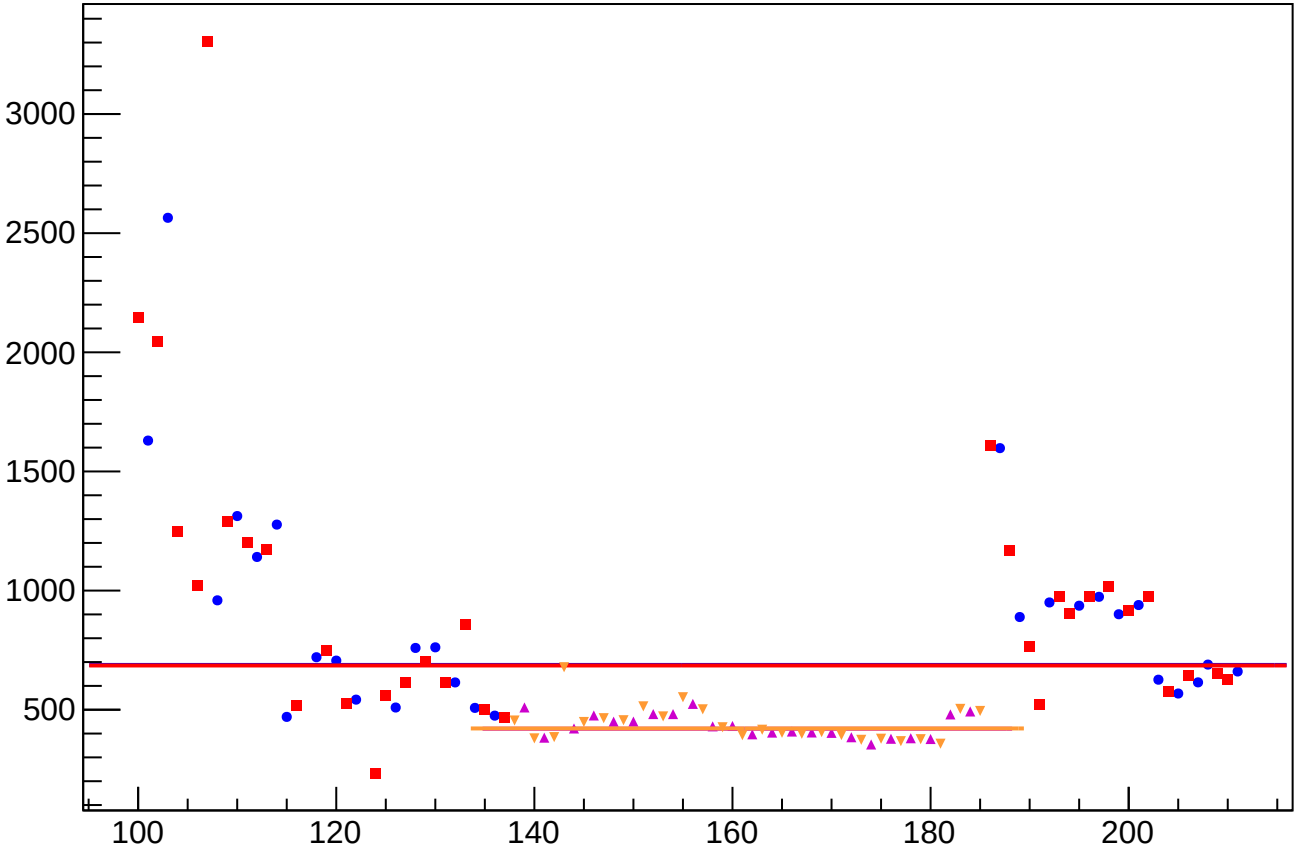
Left In: 11.527+/-98.976 χ^2/NDF:31.1/22

+ sign 426.428+/-85.257 χ^2/NDF: 94.9/52

All: 274.916+/-60.657 χ^2/NDF: 198.4/108

- sign 119.617+/-86.316 χ^2/NDF: 97.0/55

asym_at1_dd_reg_correction_rms vs Slug



Right In: 687.963+/-0.126 χ^2/NDF: 3067525.1/27

Left Out: 421.417+/-0.069 χ^2/NDF:743048.1/24

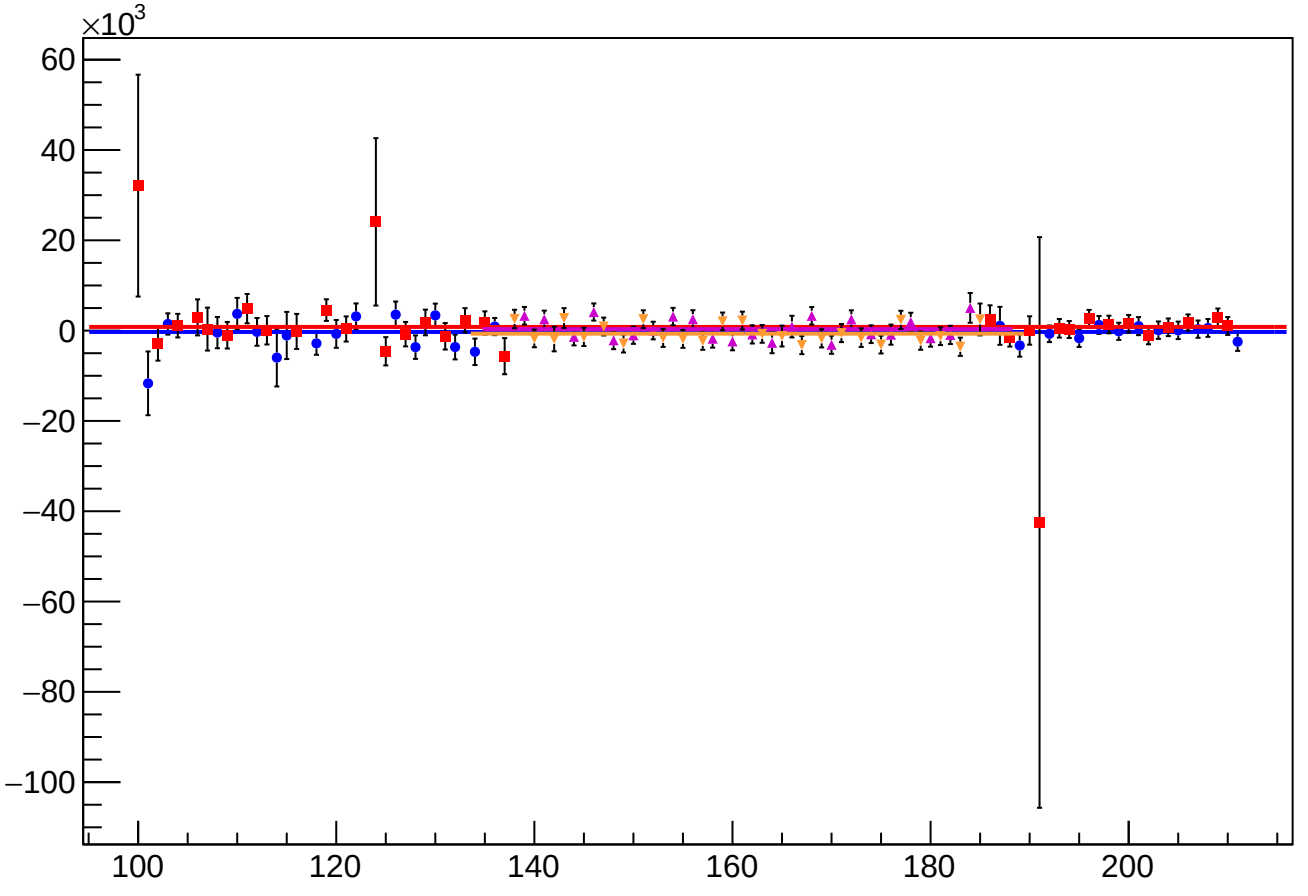
Right Out: 685.711+/-0.125 χ^2/NDF: 4697800.3/32

Left In: 420.222+/-0.070 χ^2/NDF:413129.7/22

+ sign 482.105+/-0.060 χ^2/NDF: 7248108.1/52

All: 482.940+/-0.043 χ^2/NDF: 15805295.9/10

- sign 483.797+/-0.061 χ^2/NDF: 8556798.8/55



Right In: -292.471+/-460.163 χ^2/NDF: 21.9/27

Left Out: -670.031+/-412.206 χ^2/NDF:24.7/24

Right Out: 819.876+/-448.186 χ^2/NDF: 22.0/32

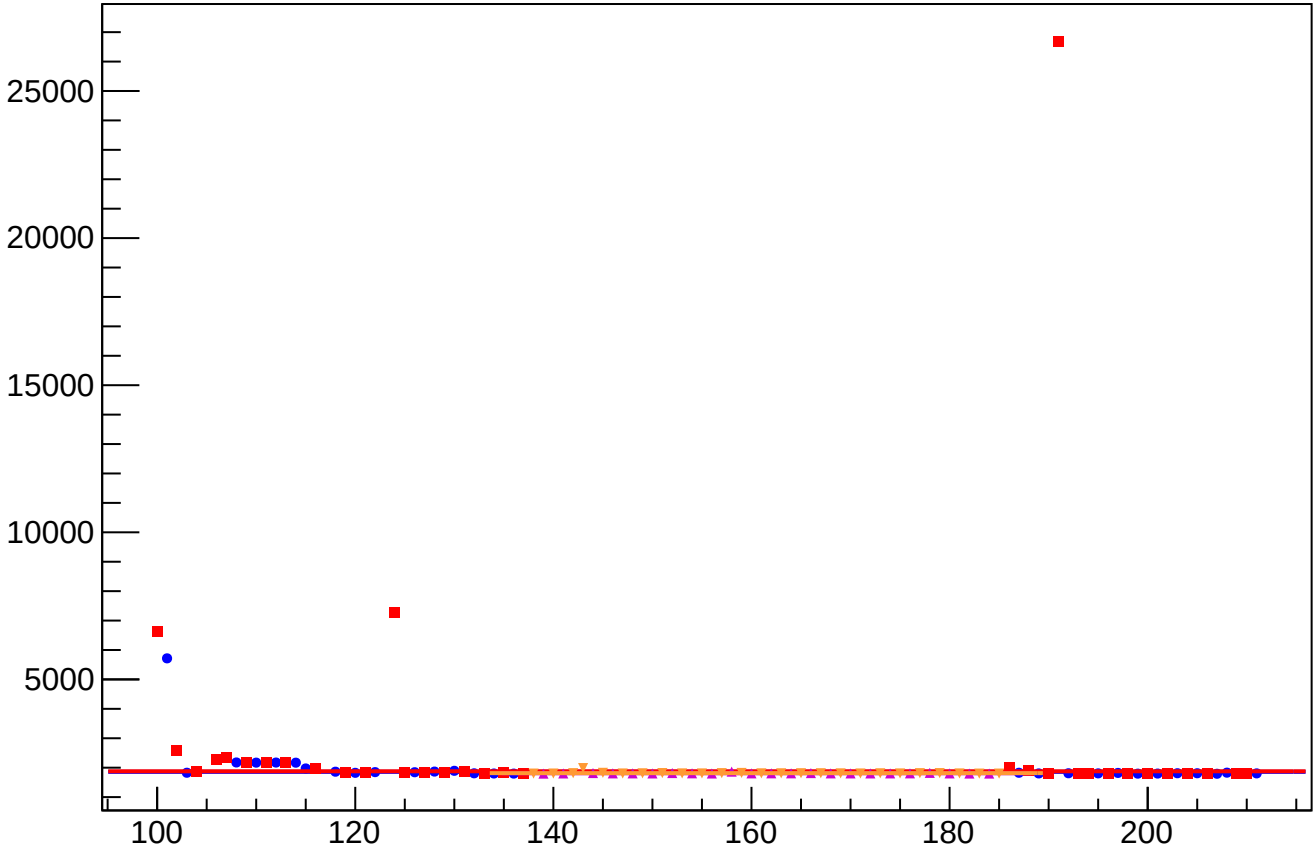
Left In: 342.989+/-422.712 χ^2/NDF:30.1/22

+ sign -501.944+/-307.033 χ^2/NDF: 47.0/52

All: 31.939+/-217.275 χ^2/NDF: 105.8/108

- sign 567.495+/-307.514 χ^2/NDF: 52.7/55

cor_asym_at1_dd_rms vs Slug



Right In: 1857.939+/-0.325 χ^2/NDF: 675958.6/27

Left Out: 1814.435+/-0.291 χ^2/NDF:13102.1/24

Right Out: 1877.386+/-0.317 χ^2/NDF: 759138.0/32

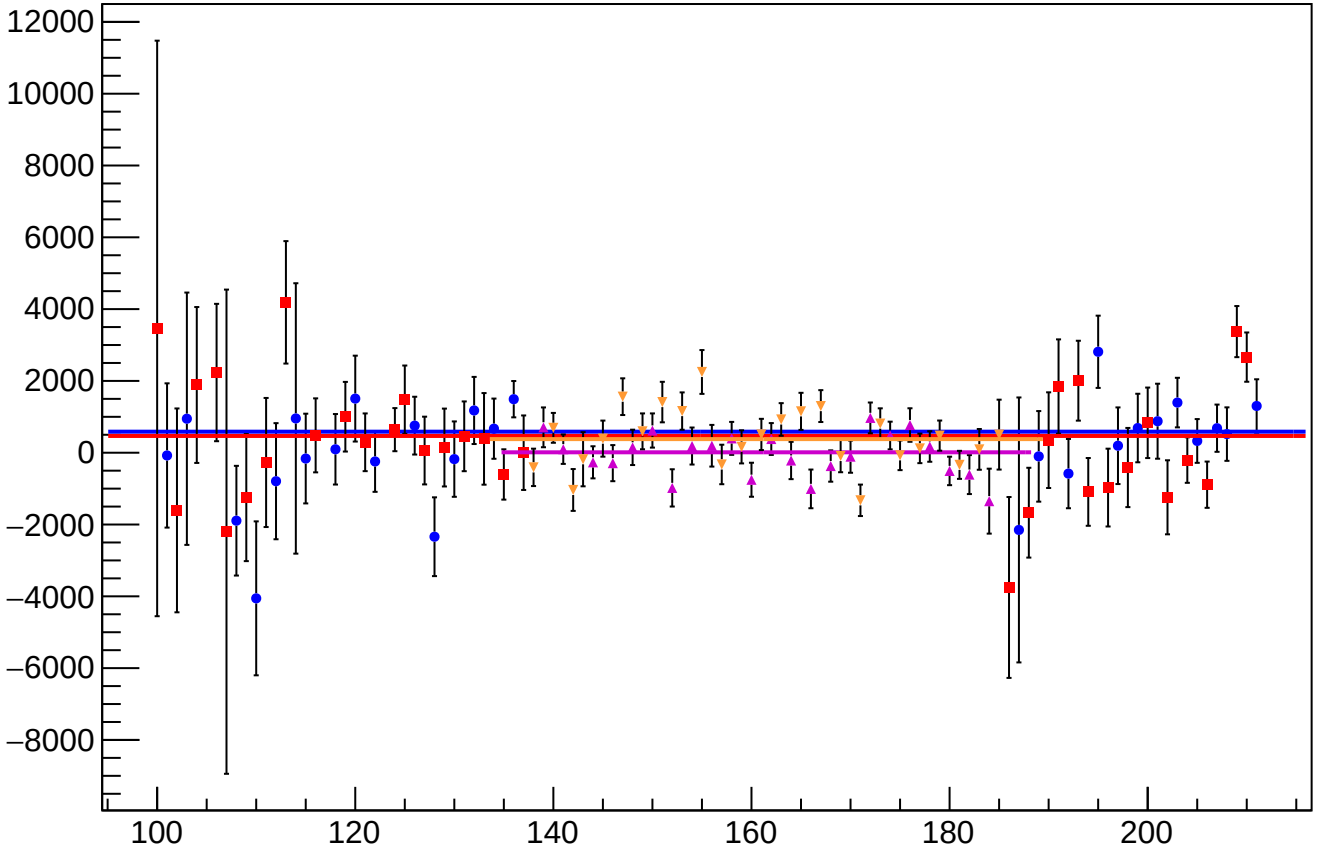
Left In: 1810.457+/-0.299 χ^2/NDF:1967.2/22

+ sign 1833.802+/-0.217 χ^2/NDF: 698978.3/52

All: 1837.878+/-0.154 χ^2/NDF: 1484392.8/10

- sign 1841.966+/-0.217 χ^2/NDF: 784708.6/55

asym_at1_dd_cor_correction_mean vs Slug



Right In: 586.177+/-178.672 χ^2/NDF: 31.6/27

Left Out: 379.343+/-97.014 χ^2/NDF:62.3/24

Right Out: 467.003+/-176.273 χ^2/NDF: 61.6/32

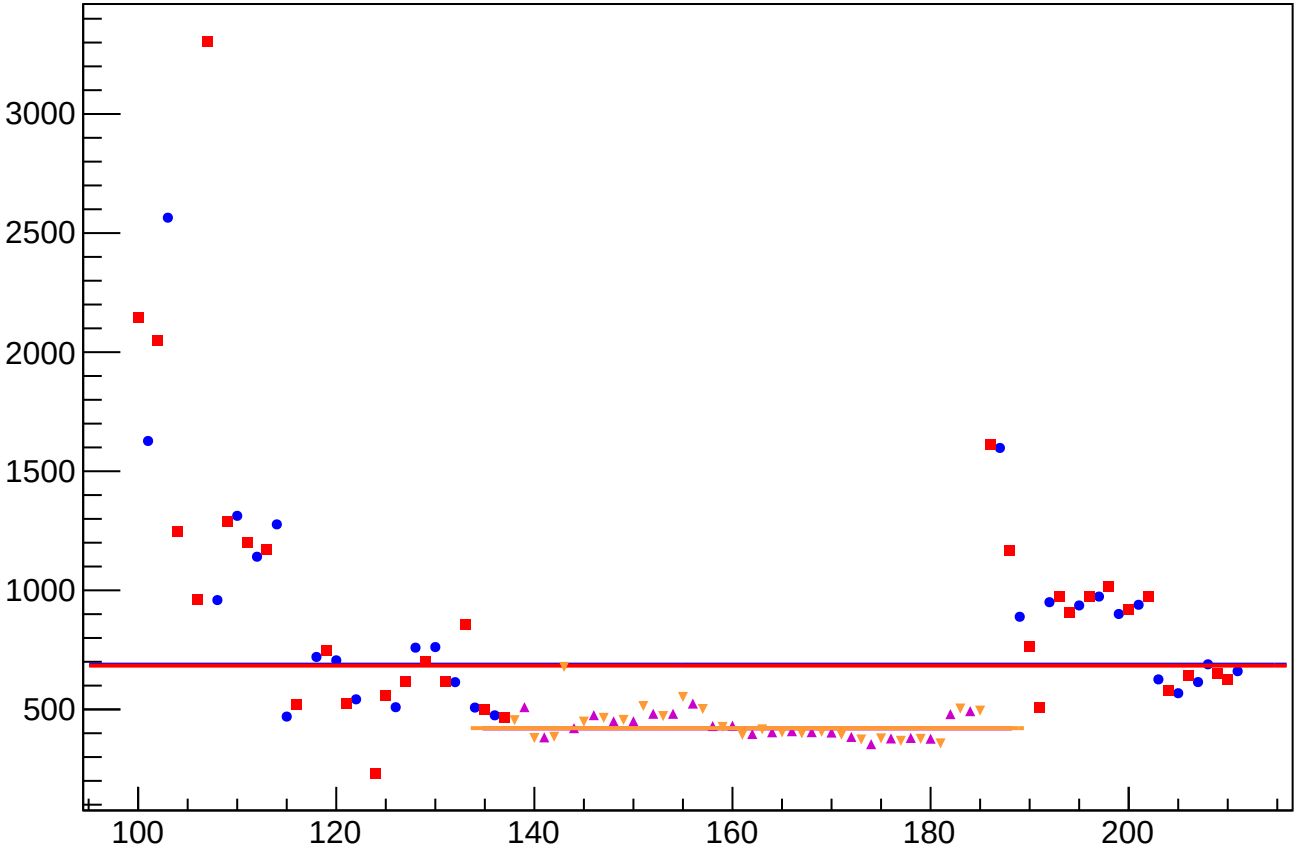
Left In: 11.539+/-98.975 χ^2/NDF:31.1/22

+ sign 426.438+/-85.257 χ^2/NDF: 94.9/52

All: 275.437+/-60.652 χ^2/NDF: 199.1/108

- sign 120.713+/-86.302 χ^2/NDF: 97.8/55

asym_at1_dd_cor_correction_rms vs Slug



Right In: 687.963+/-0.126 χ^2/NDF: 3066691.4/27

Left Out: 421.420+/-0.069 χ^2/NDF:742987.6/24

Right Out: 683.926+/-0.125 χ^2/NDF: 4706584.0/32

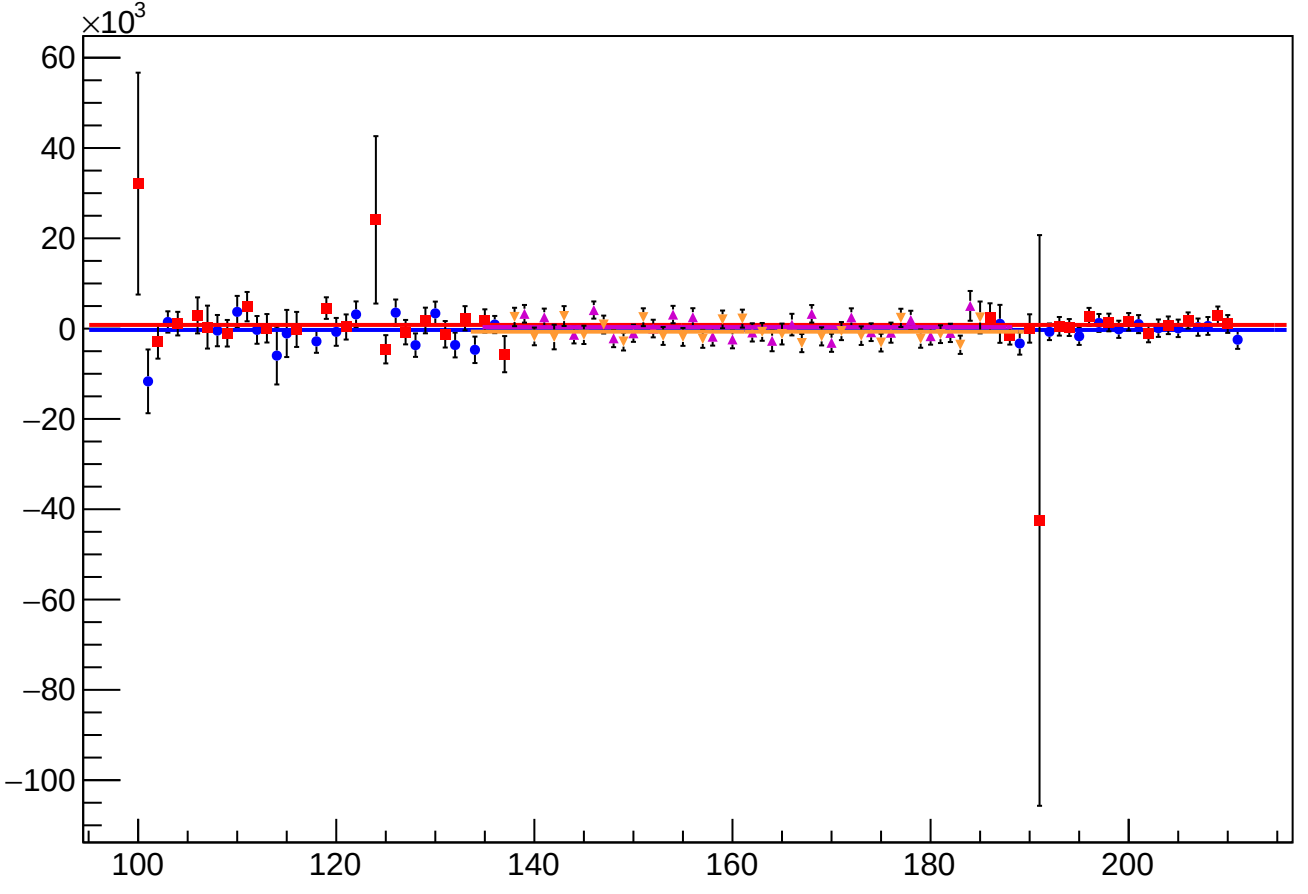
Left In: 420.218+/-0.070 χ^2/NDF:413172.4/22

+ sign 482.109+/-0.060 χ^2/NDF: 7247205.7/52

All: 482.761+/-0.043 χ^2/NDF: 15770394.5/10

- sign 483.429+/-0.061 χ^2/NDF: 8522952.3/55

eigen_cor_asym_at1_dd_mean vs Slug



Right In: -292.471+/-460.163 χ^2/NDF: 21.9/27

Left Out: -670.031+/-412.206 χ^2/NDF:24.7/24

Right Out: 819.876+/-448.186 χ^2/NDF: 22.0/32

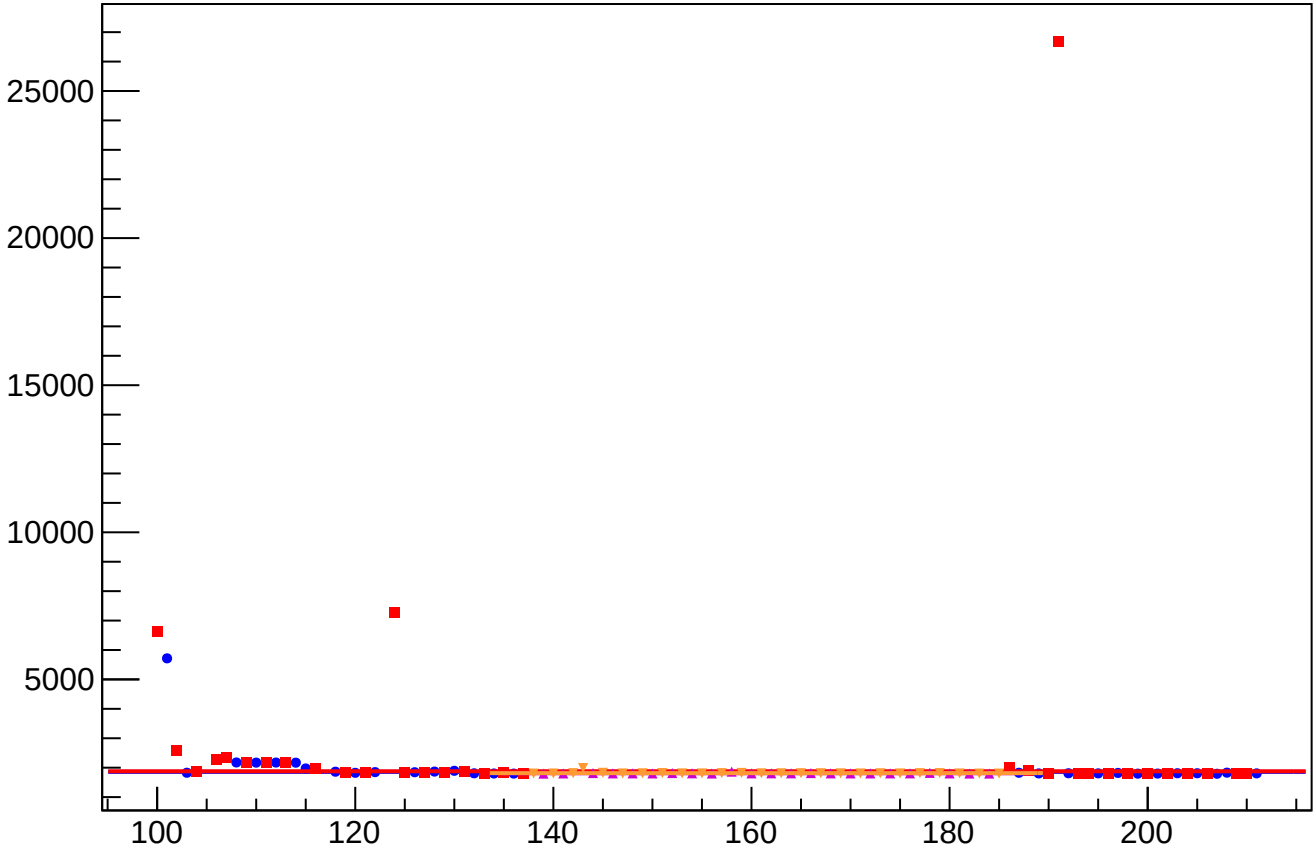
Left In: 342.989+/-422.712 χ^2/NDF:30.1/22

+ sign -501.944+/-307.033 χ^2/NDF: 47.0/52

All: 31.939+/-217.275 χ^2/NDF: 105.8/108

- sign 567.495+/-307.514 χ^2/NDF: 52.7/55

eigen_cor_asym_at1_dd_rms vs Slug



Right In: 1857.939+/-0.325 χ^2/NDF: 675958.6/27

Left Out: 1814.435+/-0.291 χ^2/NDF:13102.1/24

Right Out: 1877.386+/-0.317 χ^2/NDF: 759138.0/32

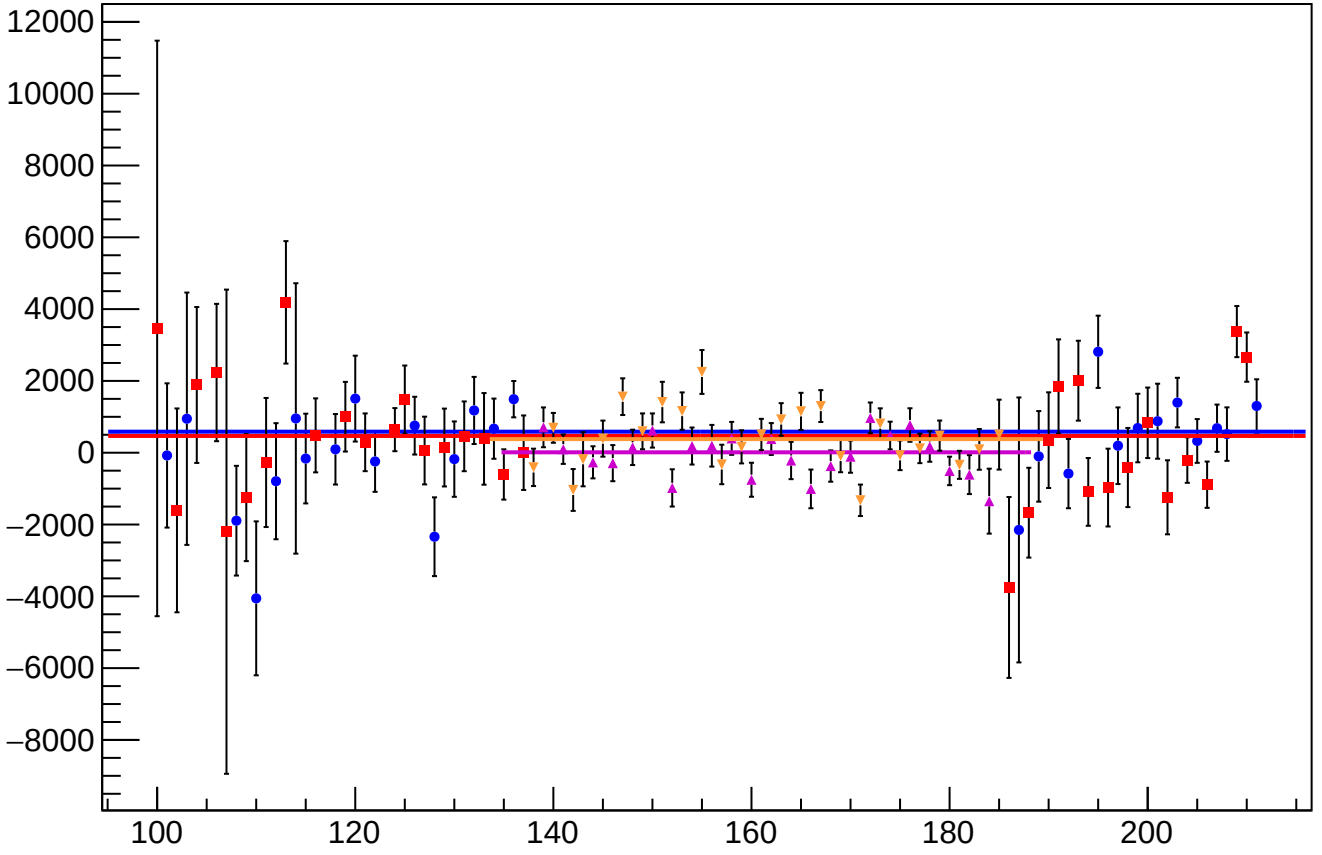
Left In: 1810.457+/-0.299 χ^2/NDF:1967.2/22

+ sign 1833.802+/-0.217 χ^2/NDF: 698978.3/52

All: 1837.878+/-0.154 χ^2/NDF: 1484392.8/10

- sign 1841.966+/-0.217 χ^2/NDF: 784708.6/55

asym_at1_dd_eigen_cor_correction_mean vs Slug



Right In: 586.177+/-178.672 χ^2/NDF: 31.6/27

Left Out: 379.343+/-97.014 χ^2/NDF:62.3/24

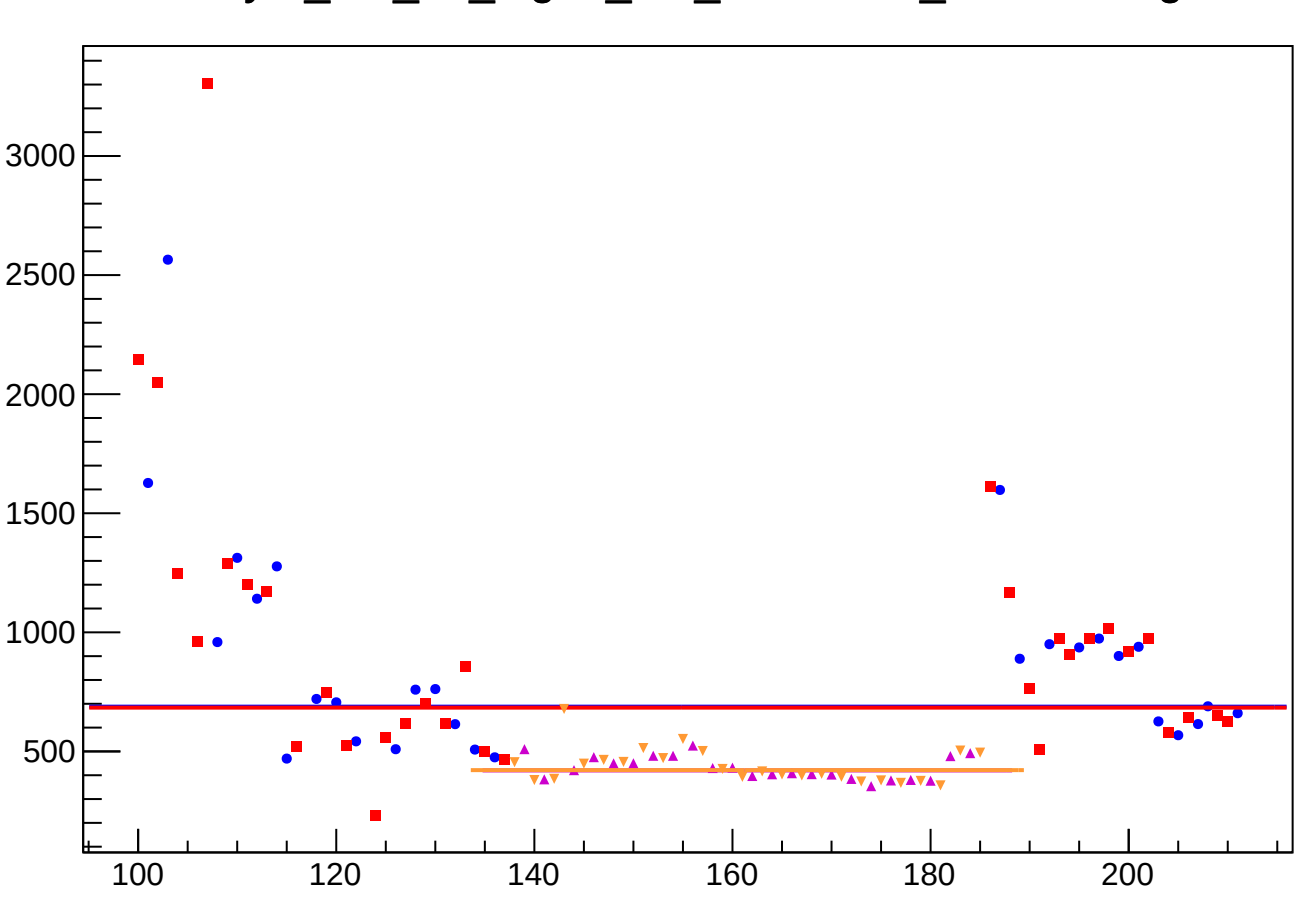
Right Out: 467.003+/-176.273 χ^2/NDF: 61.6/32

Left In: 11.539+/-98.975 χ^2/NDF:31.1/22

+ sign 426.438+/-85.257 χ^2/NDF: 94.9/52

All: 275.437+/-60.652 χ^2/NDF: 199.1/108

- sign 120.713+/-86.302 χ^2/NDF: 97.8/55



Right In: 687.963+/-0.126 χ^2/NDF: 3066691.4/27

Left Out: 421.420+/-0.069 χ^2/NDF:742987.6/24

Right Out: 683.926+/-0.125 χ^2/NDF: 4706584.0/32

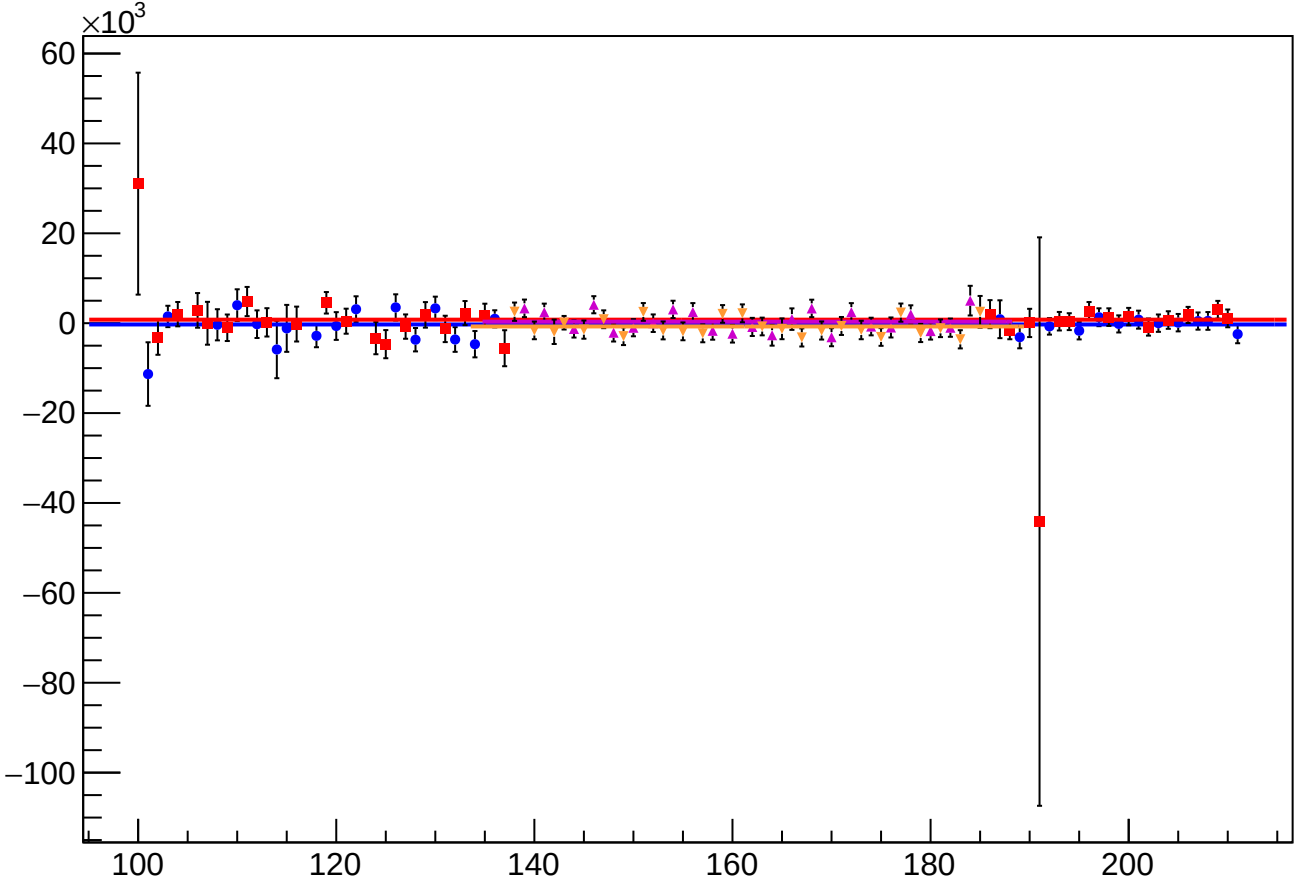
Left In: 420.218+/-0.070 χ^2/NDF:413172.4/22

+ sign 482.109+/-0.060 χ^2/NDF: 7247205.7/52

All: 482.761+/-0.043 χ^2/NDF: 15770394.5/10

- sign 483.429+/-0.061 χ^2/NDF: 8522952.3/55

dit_asym_at1_dd_mean vs Slug



Right In: -282.568+/-460.653 χ^2/NDF: 21.5/27

Left Out: -724.527+/-404.417 χ^2/NDF:22.2/24

Right Out: 784.713+/-445.937 χ^2/NDF: 21.6/32

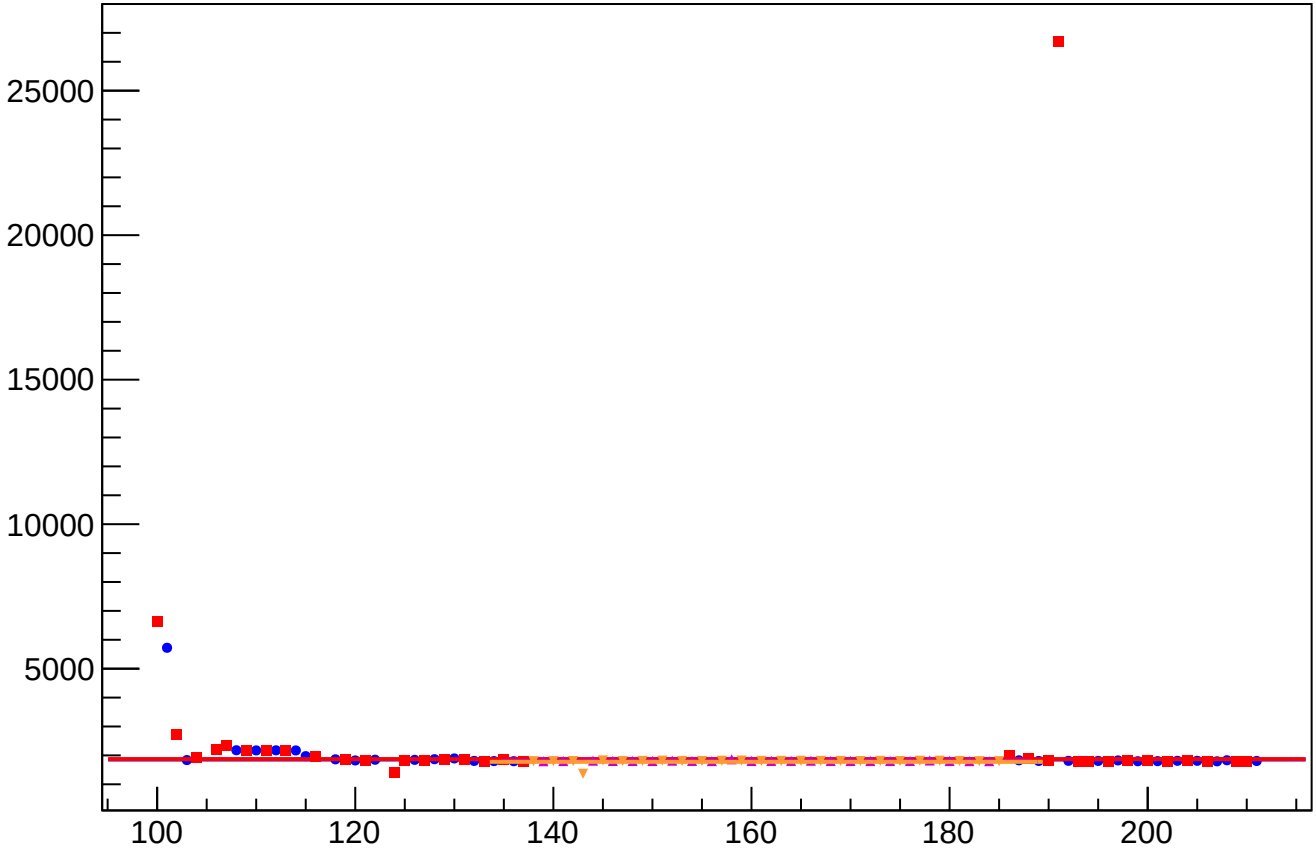
Left In: 341.223+/-422.858 χ^2/NDF:29.6/22

+ sign -532.157+/-303.915 χ^2/NDF: 44.2/52

All: 4.330+/-215.927 χ^2/NDF: 102.2/108

- sign 551.195+/-306.840 χ^2/NDF: 51.7/55

dit_asym_at1_dd_rms vs Slug



Right In: 1859.804+/-0.326 χ^2/NDF: 675707.4/27

Left Out: 1776.721+/-0.286 χ^2/NDF:161294.8/24

Right Out: 1869.808+/-0.315 χ^2/NDF: 634735.3/32

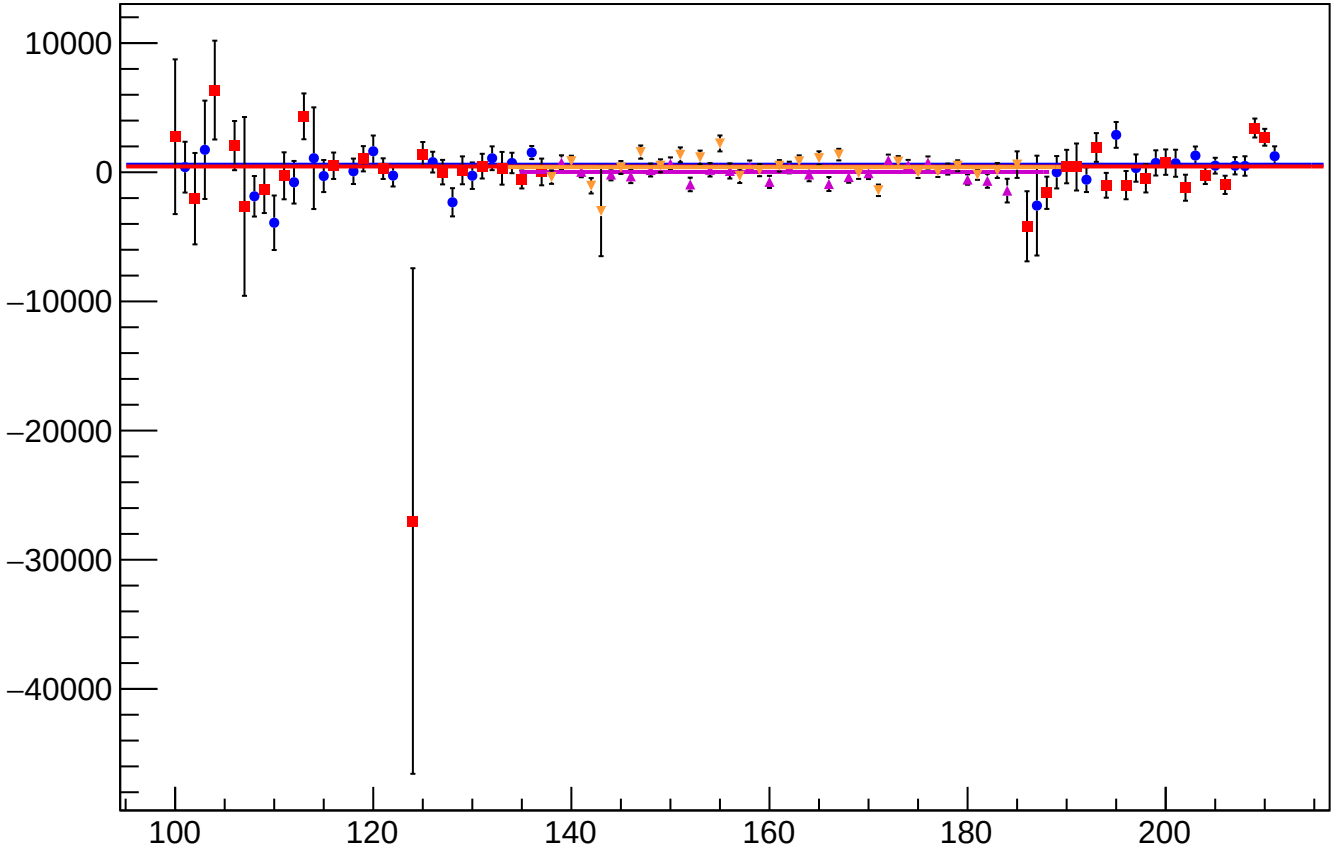
Left In: 1811.084+/-0.299 χ^2/NDF:1965.1/22

+ sign 1812.884+/-0.215 χ^2/NDF: 873743.4/52

All: 1825.761+/-0.153 χ^2/NDF: 1535956.1/10

- sign 1838.887+/-0.217 χ^2/NDF: 654962.7/55

asym_at1_dd_dit_correction_mean vs Slug



Right In: 584.181+/-179.020 χ^2/NDF: 31.5/27

Left Out: 398.269+/-99.165 χ^2/NDF:60.5/24

Right Out: 448.177+/-186.811 χ^2/NDF: 64.5/32

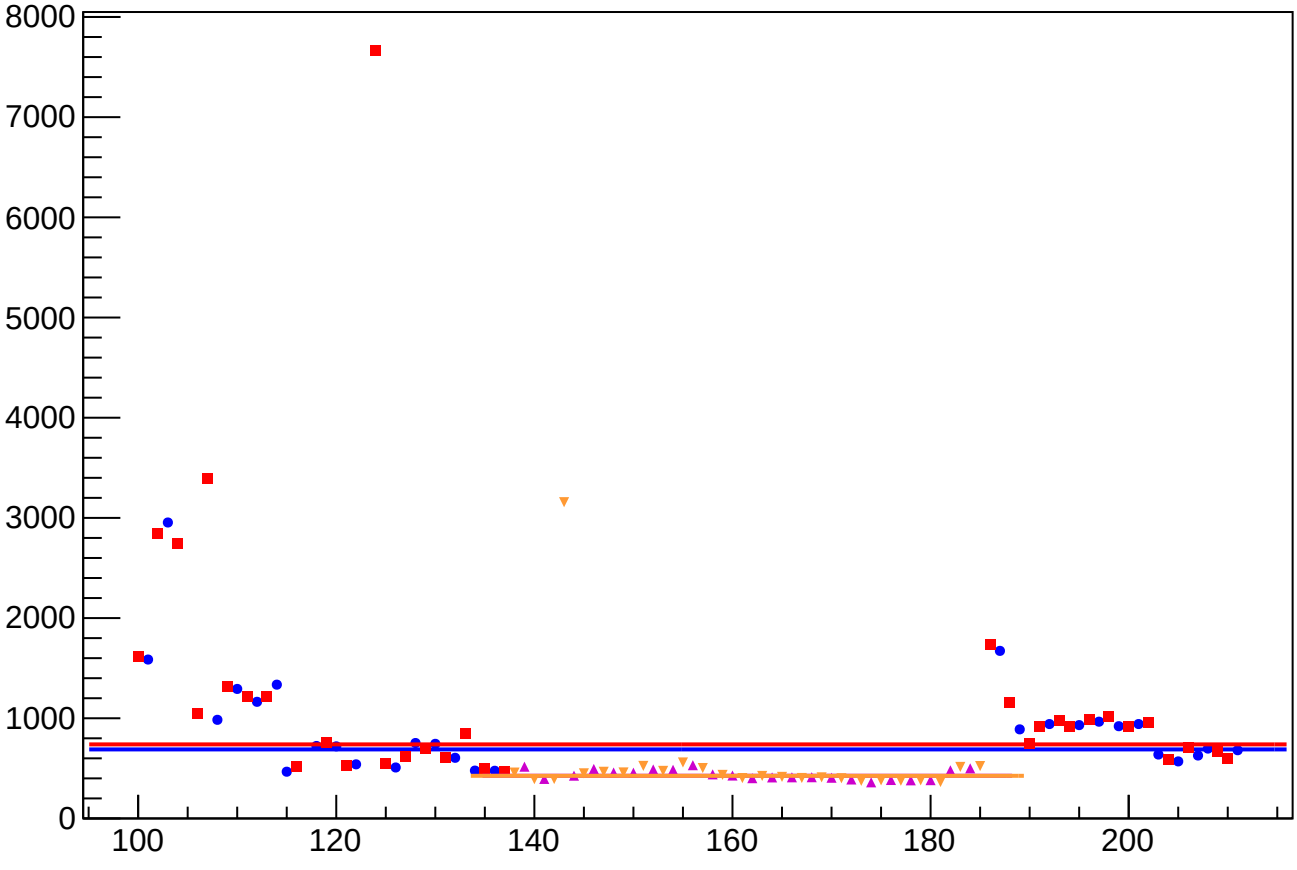
Left In: 21.453+/-100.264 χ^2/NDF:30.8/22

+ sign 441.920+/-86.745 χ^2/NDF: 92.8/52

All: 282.370+/-61.896 χ^2/NDF: 199.1/108

- sign 116.886+/-88.344 χ^2/NDF: 99.4/55

asym_at1_dd_dit_correction_rms vs Slug



Right In: 689.084+/-0.127 χ^2/NDF: 3245807.0/27

Left Out: 425.697+/-0.070 χ^2/NDF:1718145.2/24

Right Out: 739.287+/-0.132 χ^2/NDF: 4459818.2/32

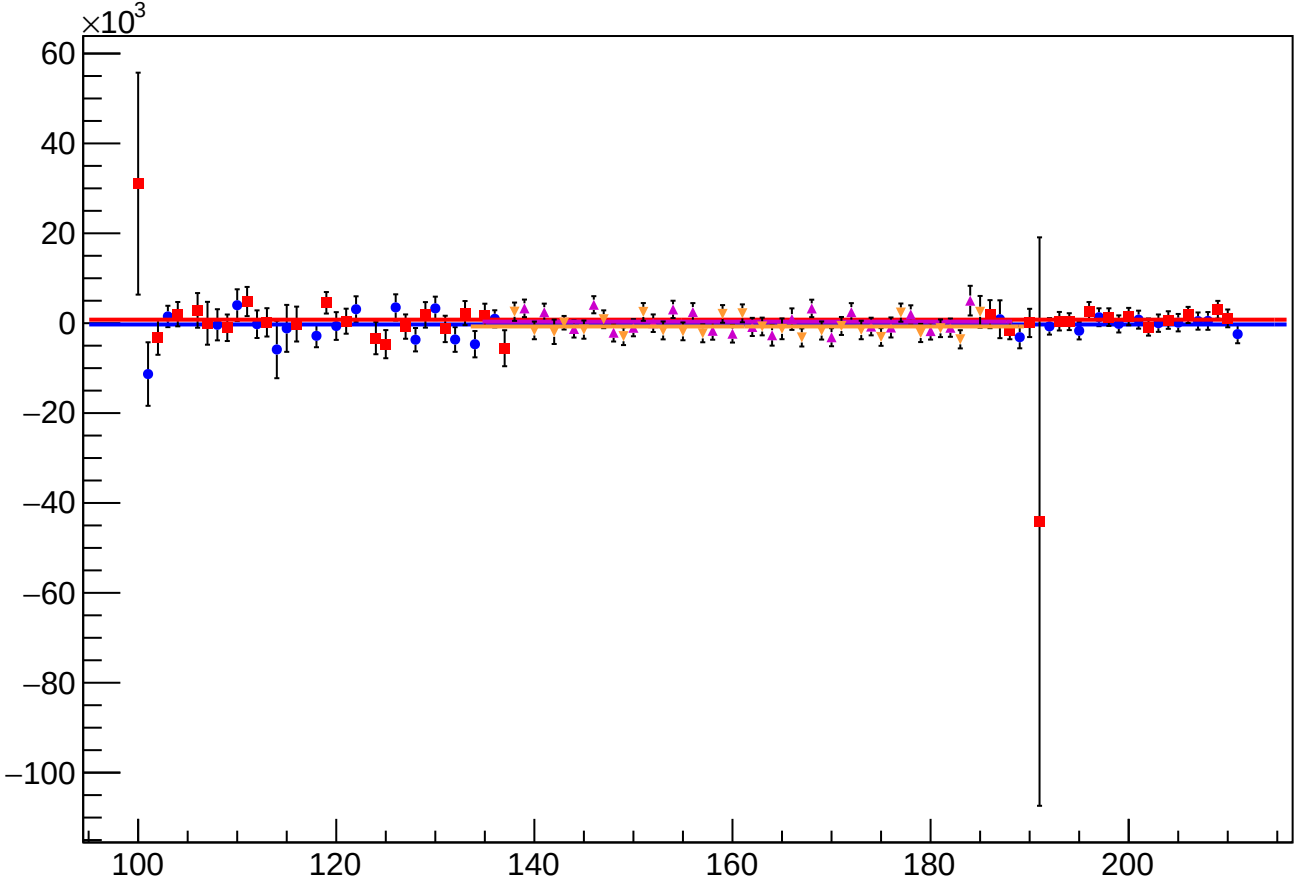
Left In: 426.144+/-0.071 χ^2/NDF:415411.7/22

+ sign 487.539+/-0.061 χ^2/NDF: 8276759.8/52

All: 491.778+/-0.044 χ^2/NDF: 17524598.3/10

- sign 496.176+/-0.062 χ^2/NDF: 9238106.7/55

eigen_dit_asym_at1_dd_mean vs Slug



Right In: -282.569+/-460.653 χ^2/NDF: 21.5/27

Left Out: -724.528+/-404.417 χ^2/NDF:22.2/24

Right Out: 784.711+/-445.937 χ^2/NDF: 21.6/32

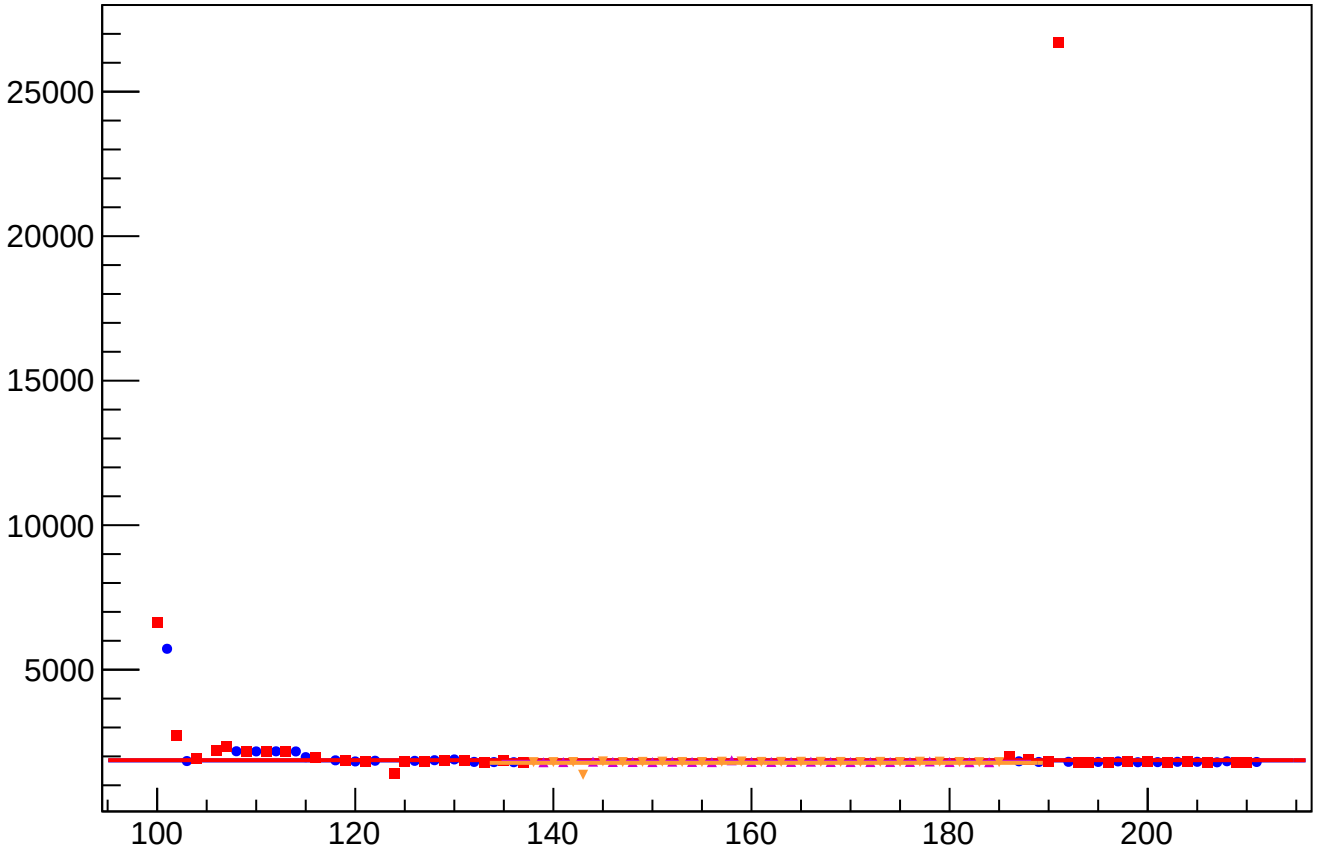
Left In: 341.223+/-422.858 χ^2/NDF:29.6/22

+ sign -532.158+/-303.915 χ^2/NDF: 44.2/52

All: 4.329+/-215.927 χ^2/NDF: 102.2/108

- sign 551.195+/-306.840 χ^2/NDF: 51.7/55

eigen_dit_asym_at1_dd_rms vs Slug



Right In: 1859.804+/-0.326 χ^2/NDF: 675707.4/27

Left Out: 1776.721+/-0.286 χ^2/NDF:161294.8/24

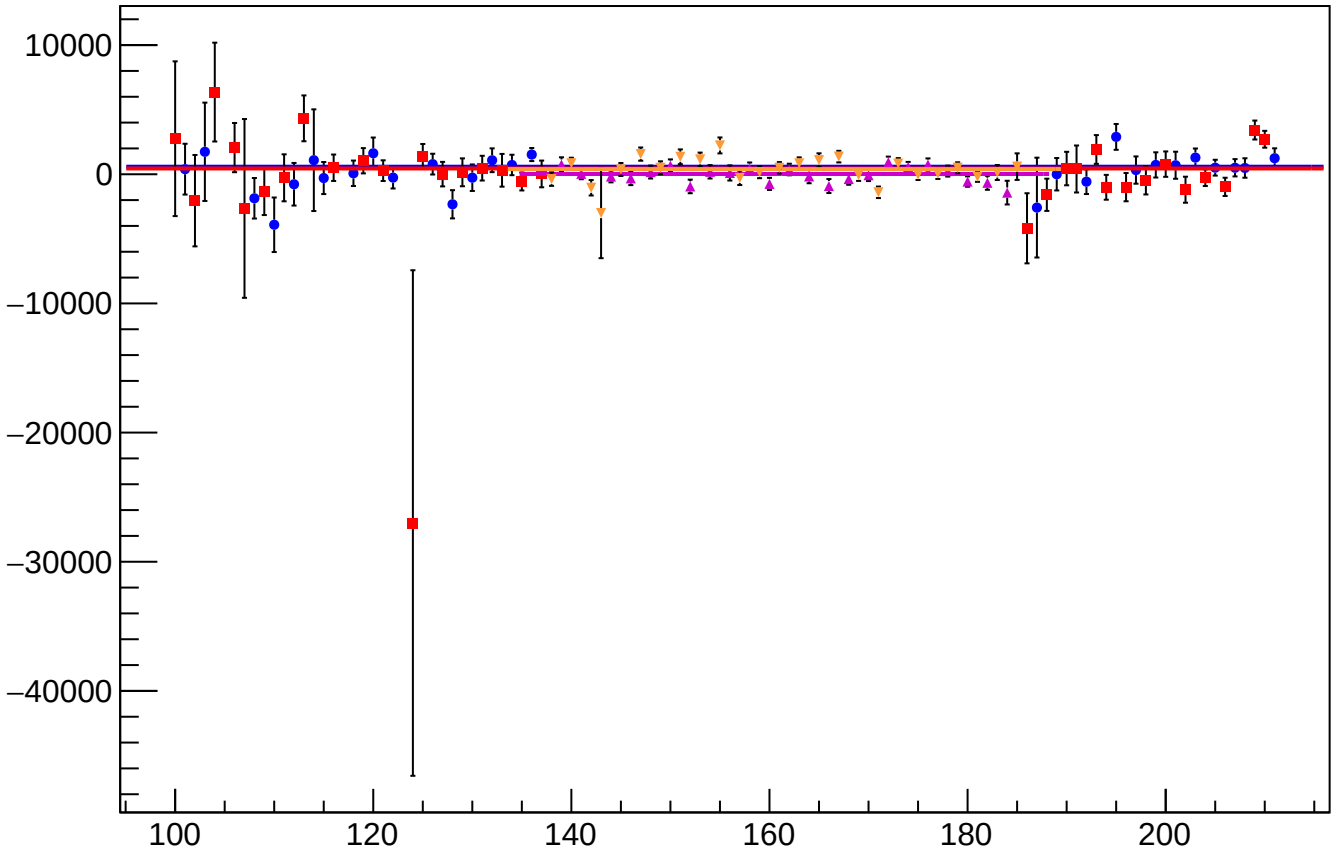
Right Out: 1869.808+/-0.315 χ^2/NDF: 634735.1/32

Left In: 1811.084+/-0.299 χ^2/NDF:1965.1/22

+ sign 1812.884+/-0.215 χ^2/NDF: 873743.3/52

All: 1825.761+/-0.153 χ^2/NDF: 1535955.9/10

- sign 1838.887+/-0.217 χ^2/NDF: 654962.5/55



Right In: 584.180+/-179.020 χ^2/NDF: 31.5/27

Left Out: 398.268+/-99.165 χ^2/NDF:60.5/24

Right Out: 448.175+/-186.811 χ^2/NDF: 64.5/32

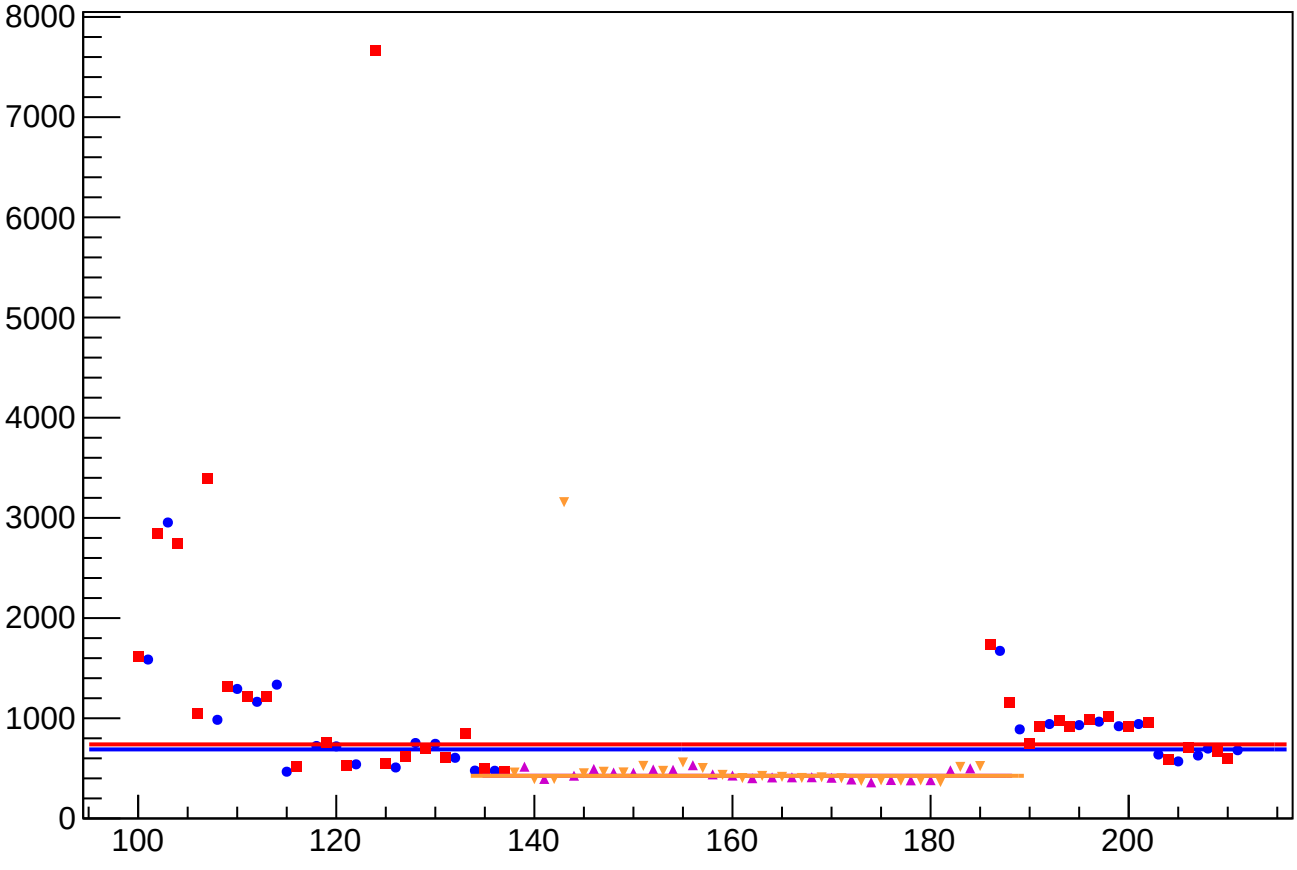
Left In: 21.452+/-100.264 χ^2/NDF:30.8/22

+ sign 441.919+/-86.745 χ^2/NDF: 92.8/52

All: 282.369+/-61.896 χ^2/NDF: 199.1/108

- sign 116.885+/-88.344 χ^2/NDF: 99.4/55

asym_at1_dd_eigen_dit_correction_rms vs Slug



Right In: 689.085+/-0.127 χ^2/NDF: 3245807.0/27

Left Out: 425.696+/-0.070 χ^2/NDF:1718147.9/24

Right Out: 739.287+/-0.132 χ^2/NDF: 4459816.0/32

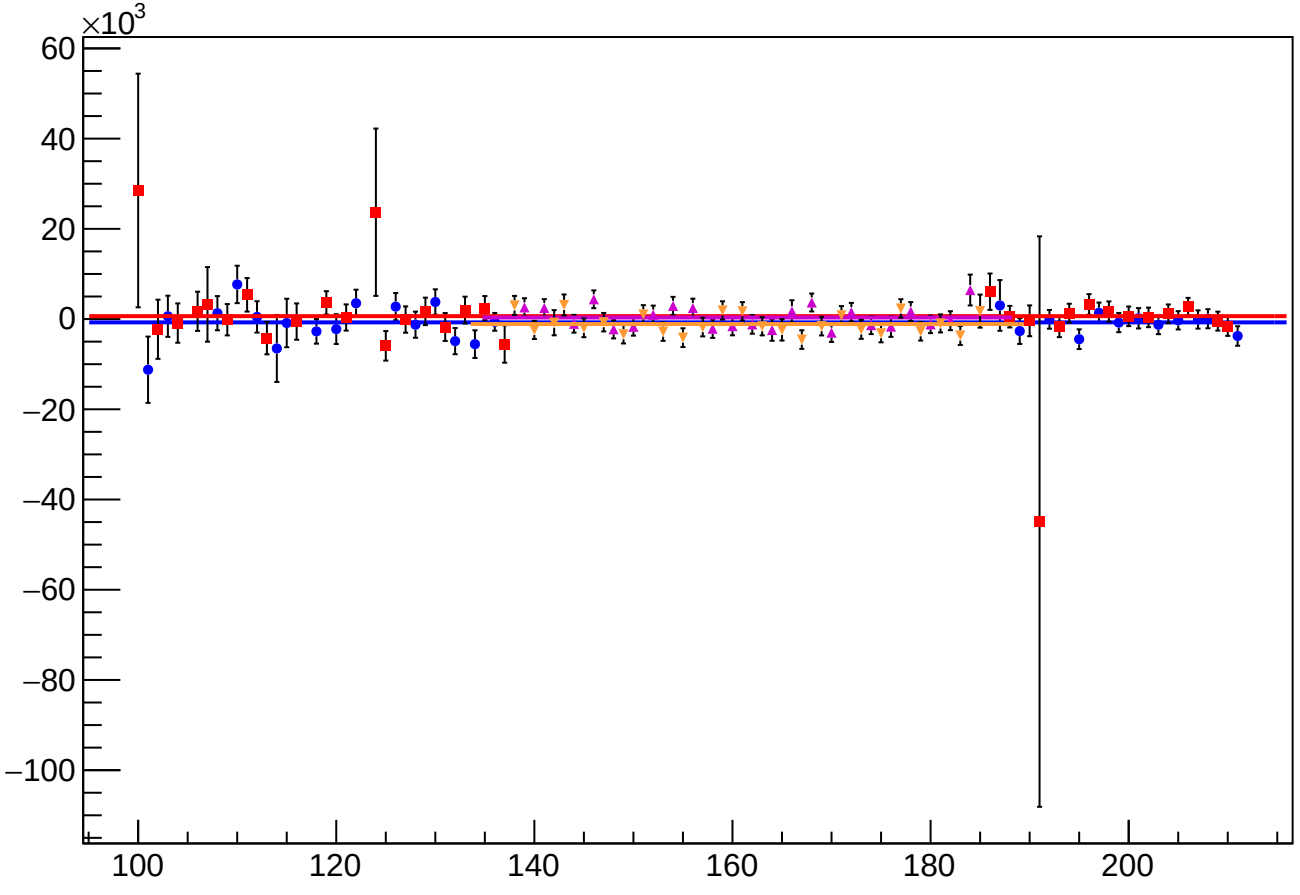
Left In: 426.144+/-0.071 χ^2/NDF:415415.2/22

+ sign 487.539+/-0.061 χ^2/NDF: 8276773.4/52

All: 491.778+/-0.044 χ^2/NDF: 17524628.4/10

- sign 496.175+/-0.062 χ^2/NDF: 9238122.9/55

asym_at1_dd_mean vs Slug



Right In: -732.030+/-508.670 χ^2/NDF: 25.8/27

Left Out: -1105.791+/-424.648 χ^2/NDF:28.0/24

Right Out: 648.782+/-502.759 χ^2/NDF: 23.6/32

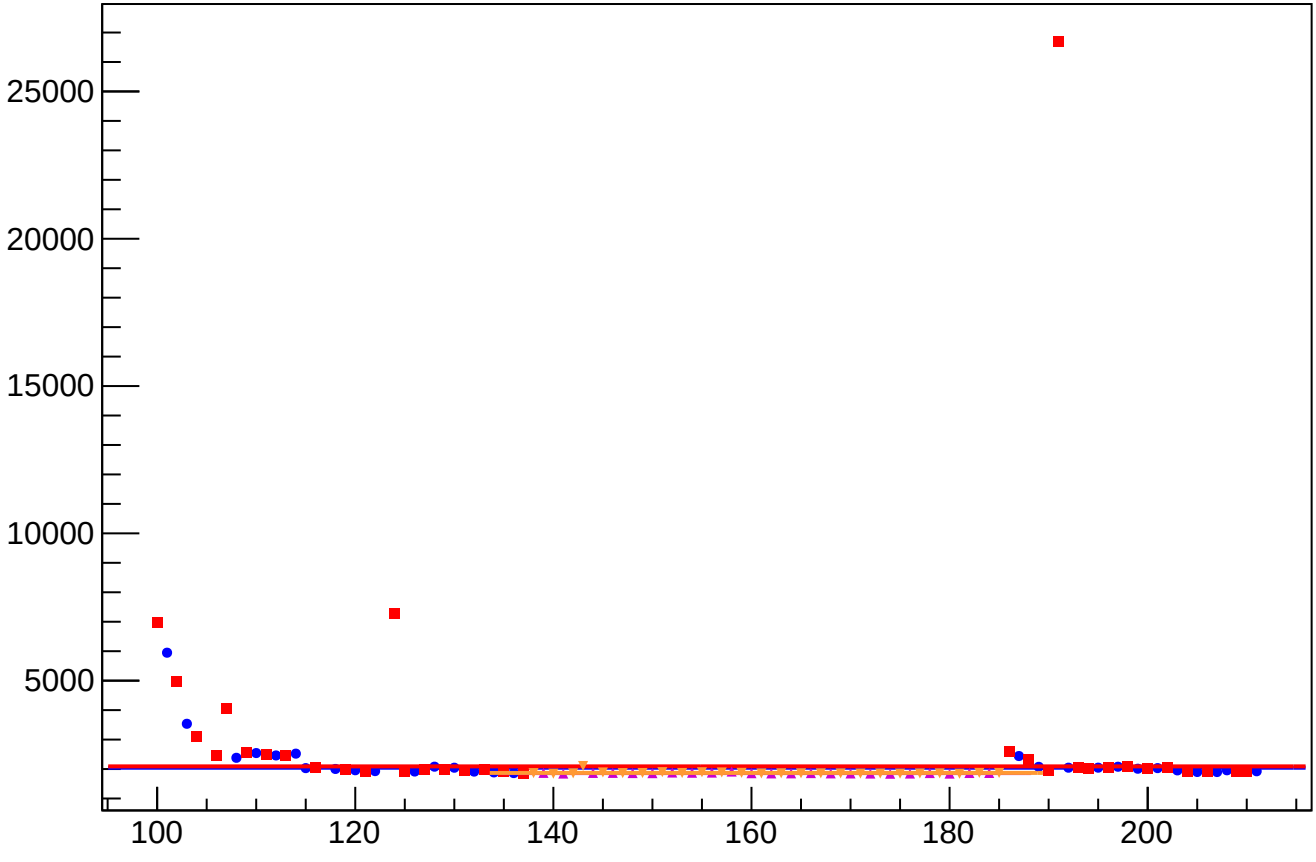
Left In: 346.936+/-434.947 χ^2/NDF:28.8/22

+ sign -952.288+/-325.985 χ^2/NDF: 54.1/52

All: -244.509+/-231.543 χ^2/NDF: 116.2/108

- sign 476.144+/-328.936 χ^2/NDF: 52.6/55

asym_at1_dd_rms vs Slug



Right In: 2044.914+/-0.360 χ^2/NDF: 940402.0/27

Left Out: 1868.941+/-0.300 χ^2/NDF:23314.7/24

Right Out: 2090.437+/-0.356 χ^2/NDF: 1394266.8/32

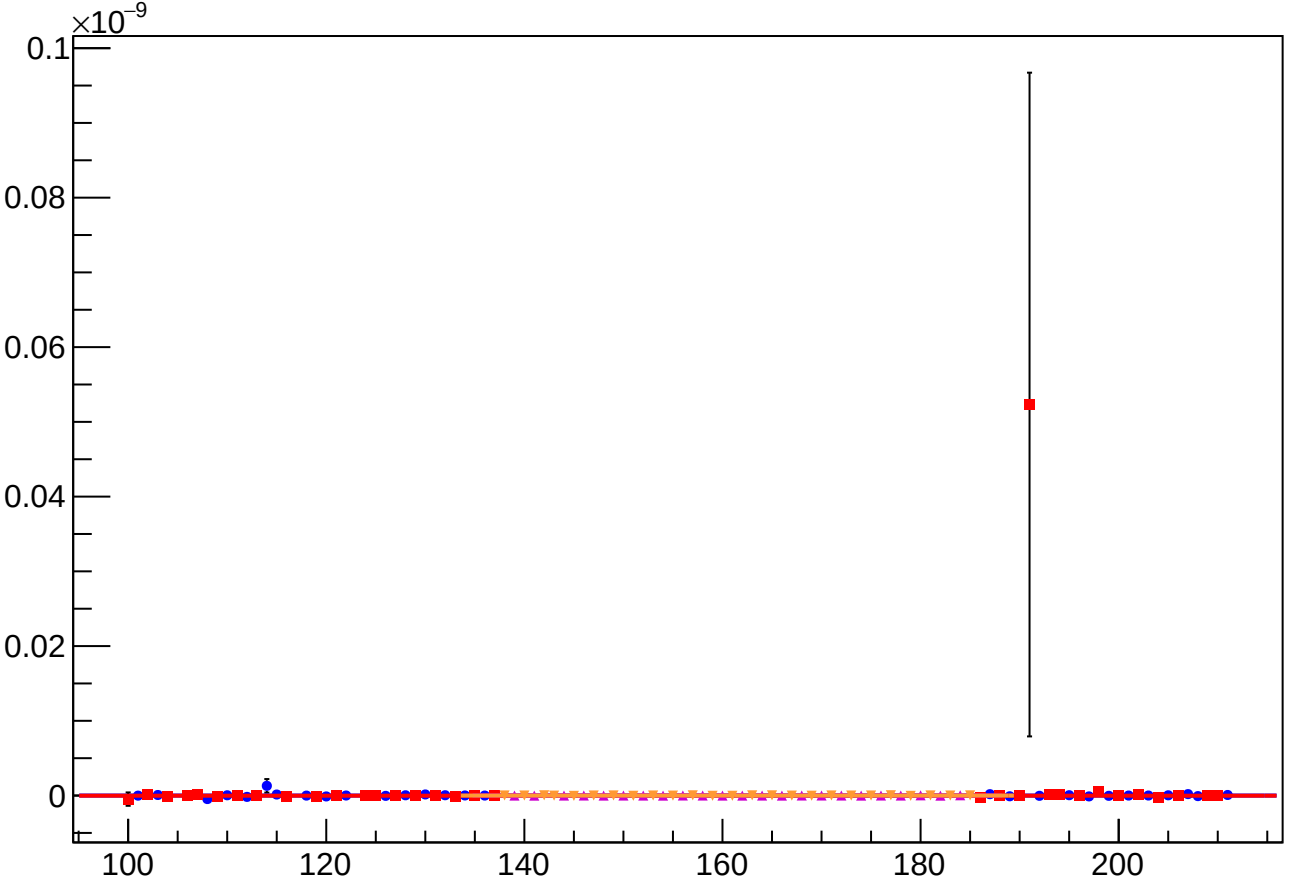
Left In: 1862.828+/-0.308 χ^2/NDF:2714.5/22

+ sign 1941.213+/-0.231 χ^2/NDF: 1104771.6/52

All: 1950.650+/-0.164 χ^2/NDF: 2739580.7/10

- sign 1960.259+/-0.233 χ^2/NDF: 1631426.4/55

asym_at1_dd_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 28.9/27

Left Out: 0.000+/-0.000 χ^2/NDF:42.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 32.8/32

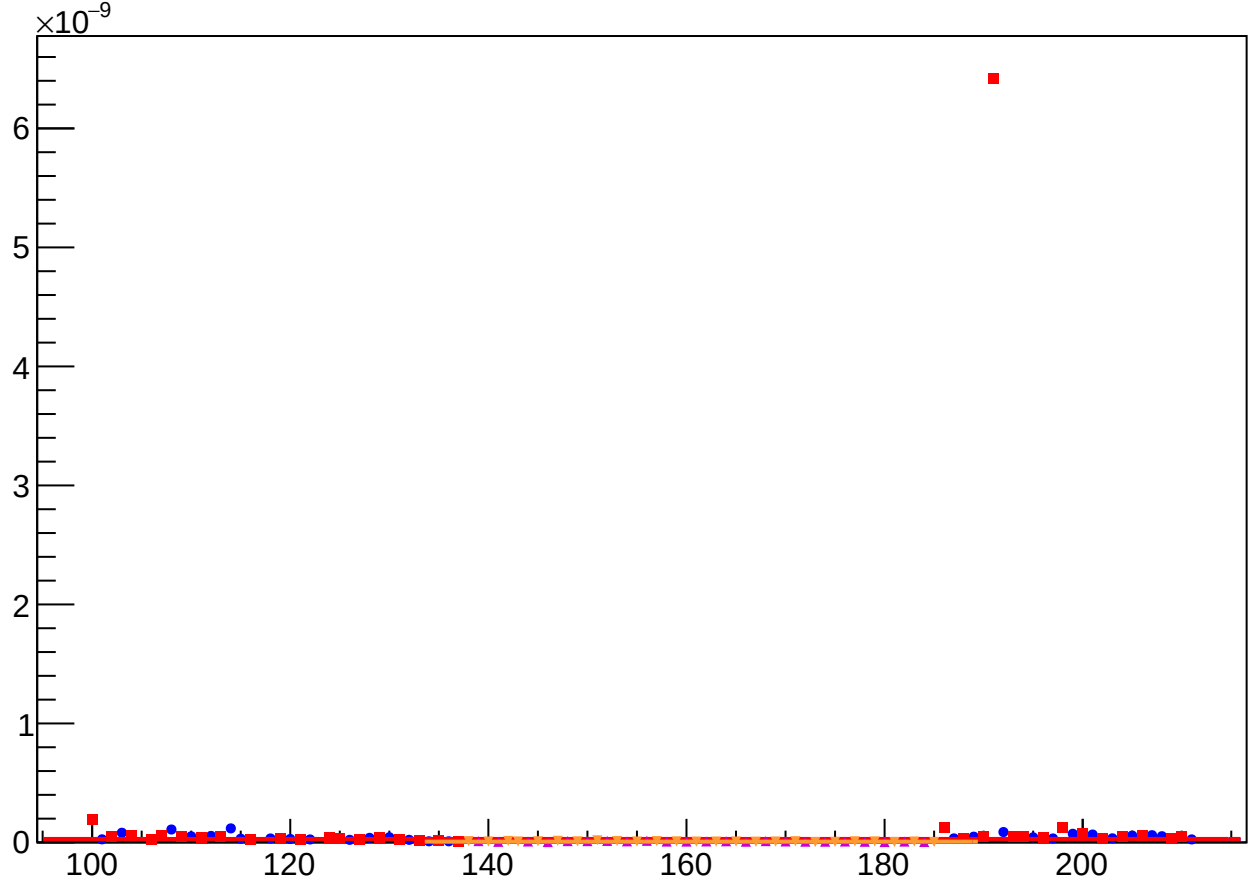
Left In: 0.000+/-0.000 χ^2/NDF:17.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 71.0/52

All: 0.000+/-0.000 χ^2/NDF: 124.7/108

- sign 0.000+/-0.000 χ^2/NDF: 53.1/55

asym_at1_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 5115115.2/27

Left Out: 0.000+/-0.000 χ^2/NDF:1843010.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3474029.6/32

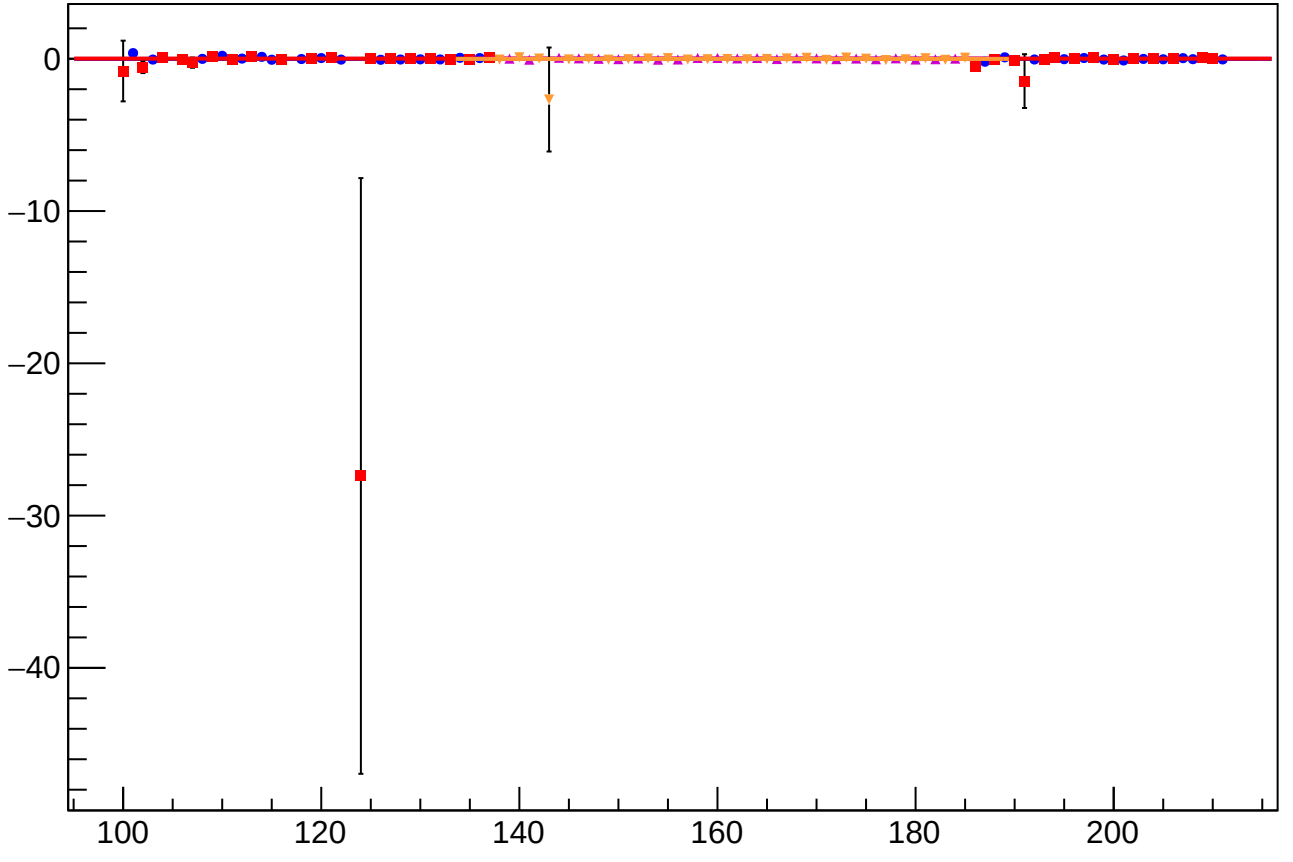
Left In: 0.000+/-0.000 χ^2/NDF:1477997.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 10235604.6/52

All: 0.000+/-0.000 χ^2/NDF: 20686338.3/108

- sign 0.000+/-0.000 χ^2/NDF: 10447002.0/55

asym_at1_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.009+/-0.012 χ^2/NDF: 28.8/27

Left Out: -0.010+/-0.008 χ^2/NDF:39.5/24

Right Out: 0.010+/-0.011 χ^2/NDF: 27.6/32

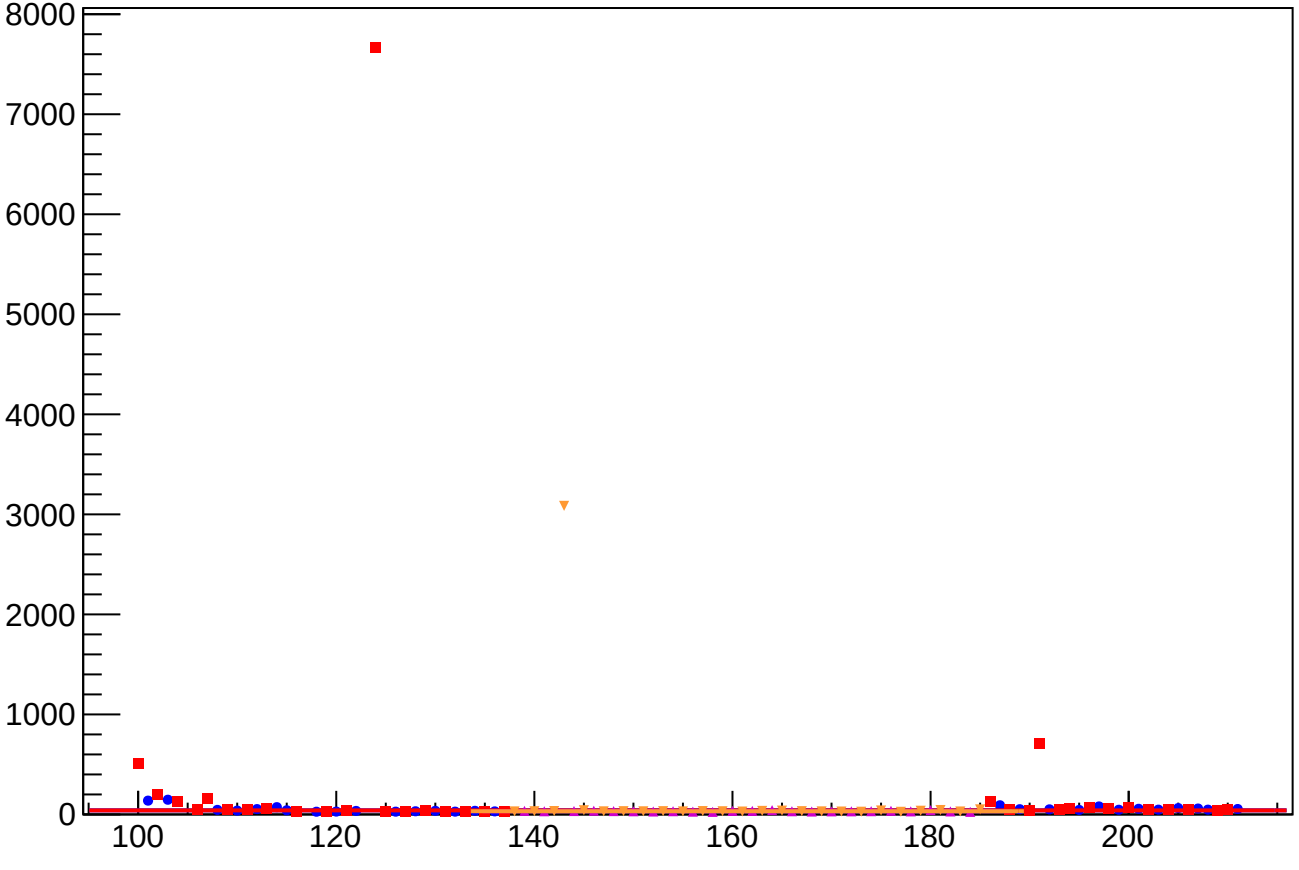
Left In: 0.004+/-0.008 χ^2/NDF:20.8/22

+ sign -0.009+/-0.007 χ^2/NDF: 68.3/52

All: -0.002+/-0.005 χ^2/NDF: 119.6/108

- sign 0.006+/-0.007 χ^2/NDF: 48.6/55

asym_at1_dd_dit_vs_cor_diff_rms vs Slug



Right In: 41.203+/-0.008 χ^2/NDF: 3355652.2/27

Left Out: 32.277+/-0.006 χ^2/NDF:2120929.6/24

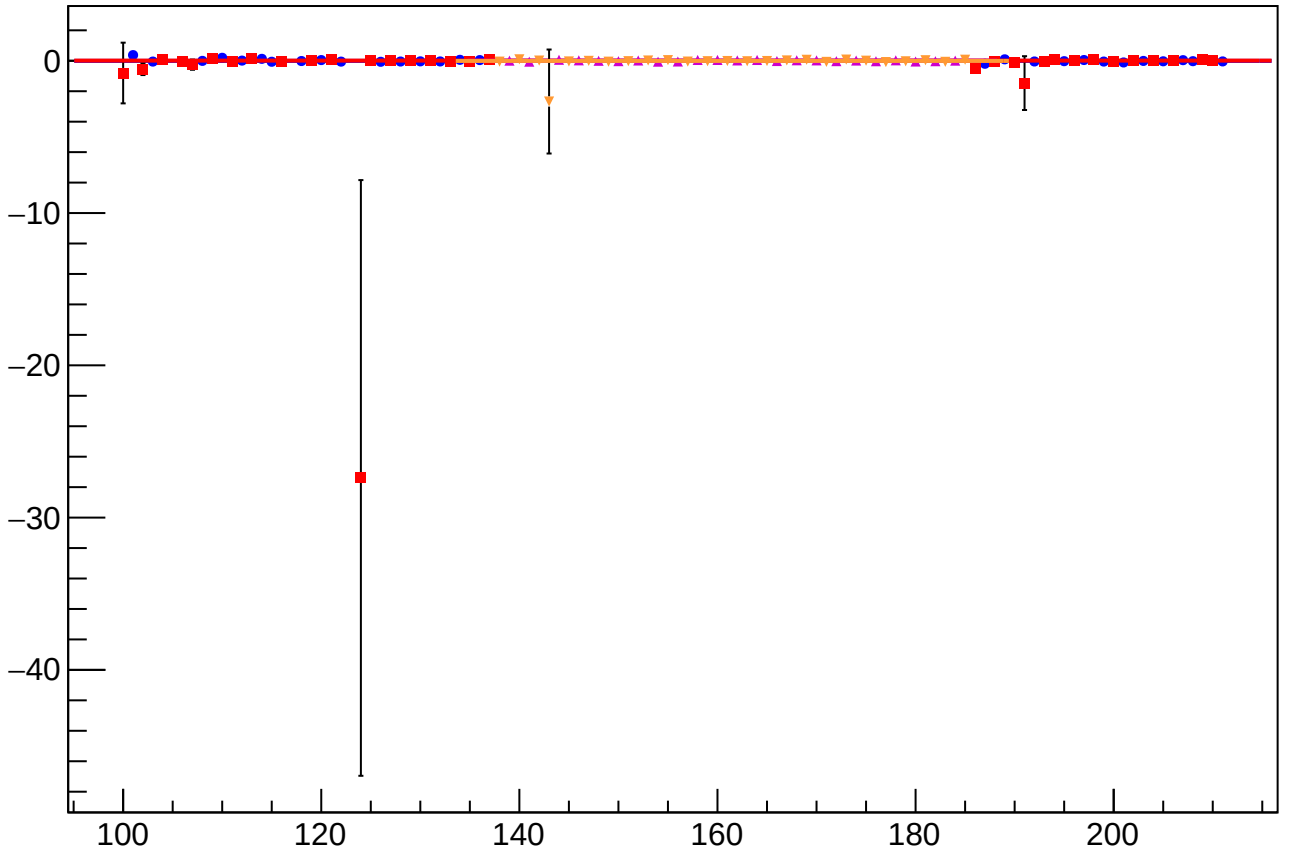
Right Out: 40.729+/-0.008 χ^2/NDF: 4346814.1/32

Left In: 32.421+/-0.006 χ^2/NDF:426084.8/22

+ sign 35.260+/-0.005 χ^2/NDF: 6262237.1/52

All: 35.280+/-0.003 χ^2/NDF: 11731612.1/108

- sign 35.300+/-0.005 χ^2/NDF: 5469338.8/55



Right In: -0.009+/-0.012 χ^2/NDF: 28.8/27

Left Out: -0.010+/-0.008 χ^2/NDF:39.5/24

Right Out: 0.010+/-0.011 χ^2/NDF: 27.6/32

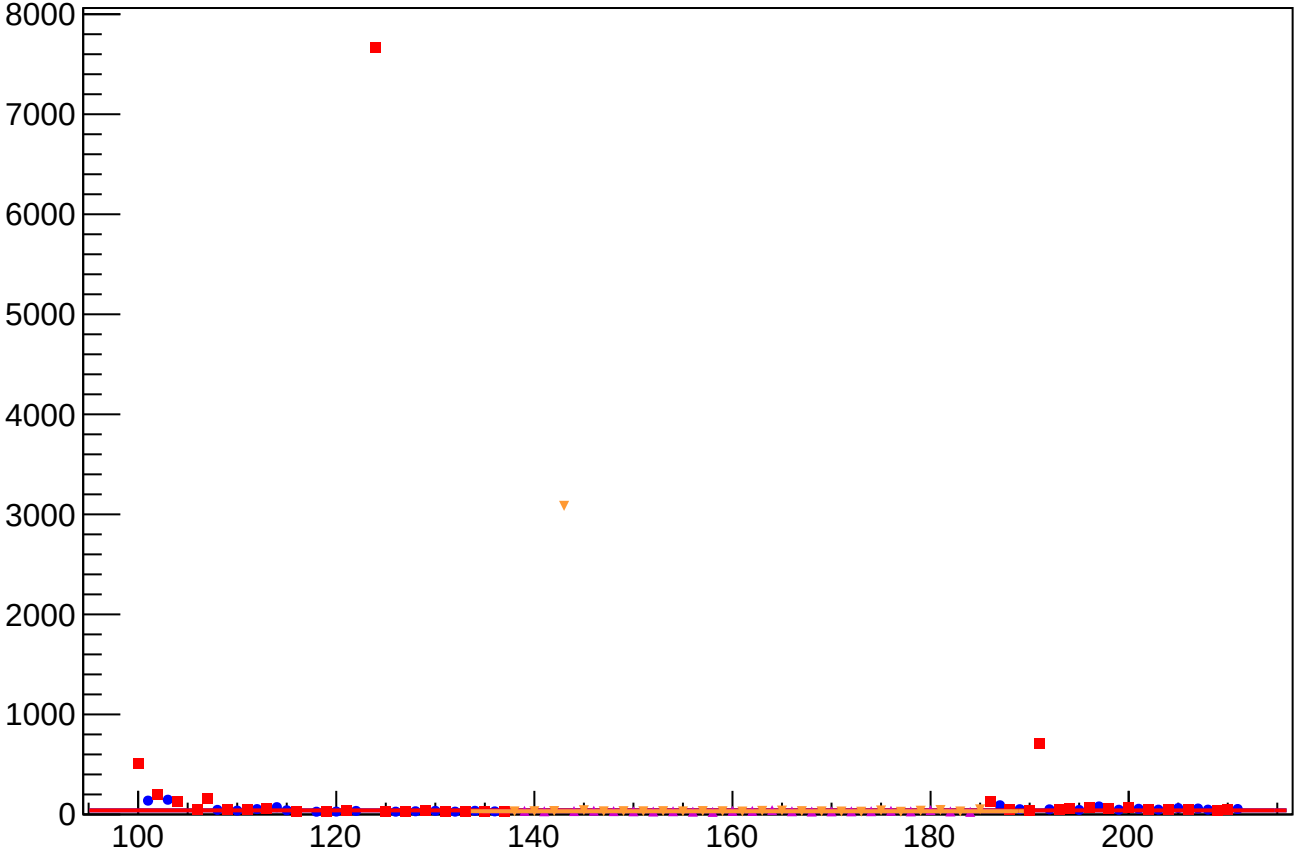
Left In: 0.004+/-0.008 χ^2/NDF:20.8/22

+ sign -0.009+/-0.007 χ^2/NDF: 68.3/52

All: -0.002+/-0.005 χ^2/NDF: 119.6/108

- sign 0.006+/-0.007 χ^2/NDF: 48.6/55

asym_at1_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 41.203+/-0.008 χ^2/NDF: 3355652.2/27

Left Out: 32.277+/-0.006 χ^2/NDF:2120929.6/24

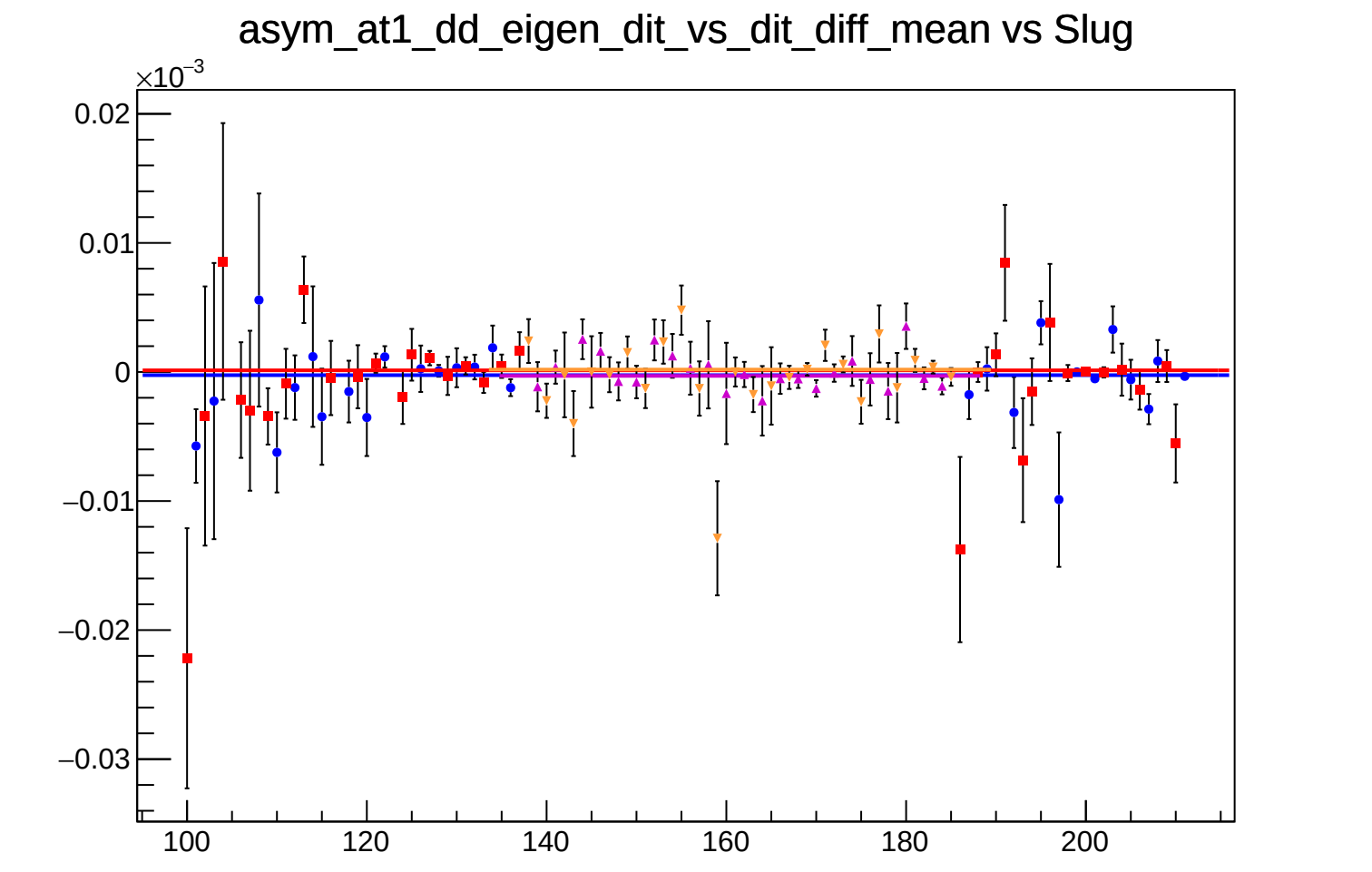
Right Out: 40.729+/-0.008 χ^2/NDF: 4346814.1/32

Left In: 32.421+/-0.006 χ^2/NDF:426084.8/22

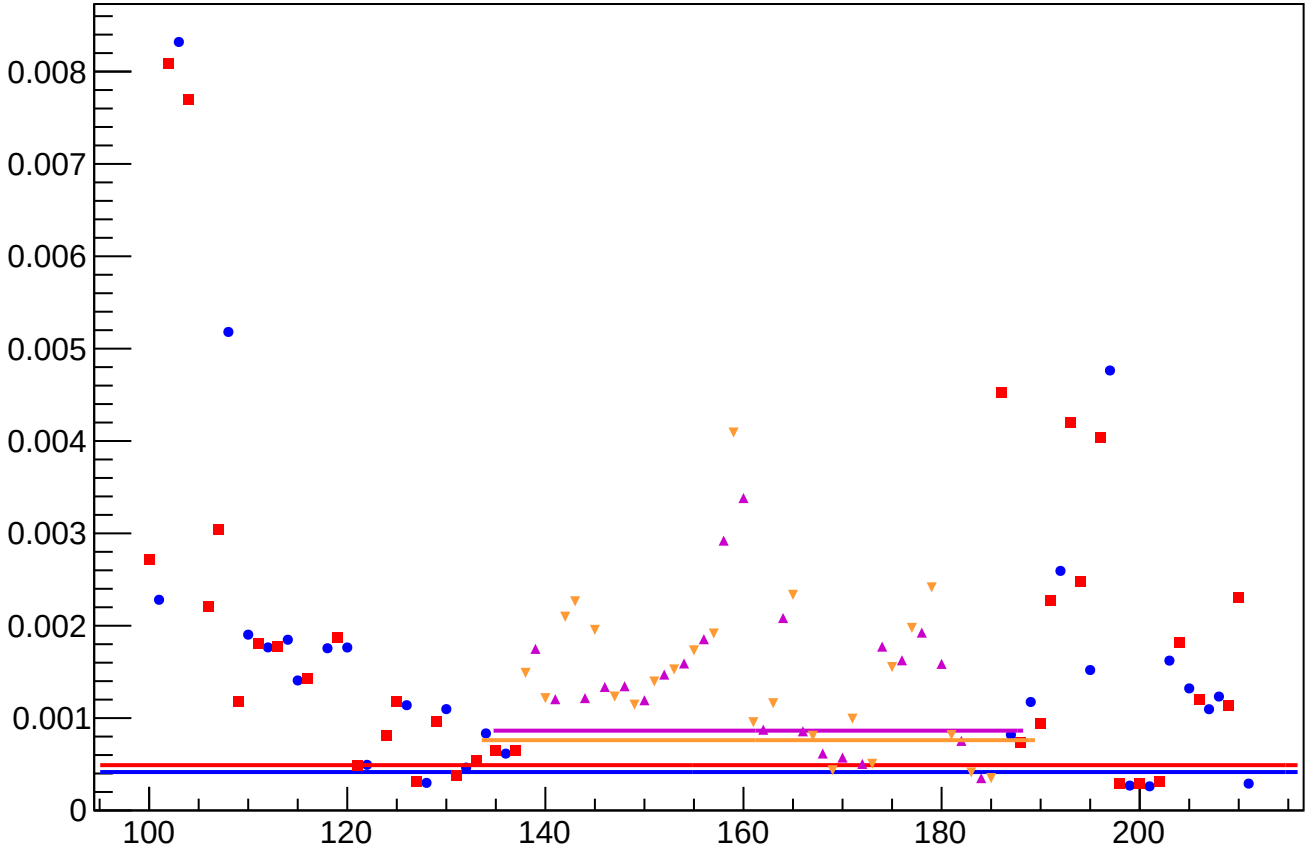
\+ sign 35.260+/-0.005 χ^2/NDF: 6262237.1/52

All: 35.280+/-0.003 χ^2/NDF: 11731612.1/108

\- sign 35.300+/-0.005 χ^2/NDF: 5469338.8/55


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
Right In: -0.000+/-0.000 χ²/NDF: 40.6/27
Left Out: 0.000+/-0.000 χ²/NDF:37.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 38.5/32
Left In: -0.000+/-0.000 χ²/NDF:20.2/22
+ sign -0.000+/-0.000 χ²/NDF: 81.0/52
All: -0.000+/-0.000 χ²/NDF: 142.2/108
- sign -0.000+/-0.000 χ²/NDF: 60.9/55

asym_at1_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 14328718.5/27

Left Out: 0.001+/-0.000 χ^2/NDF:11085699.1/24

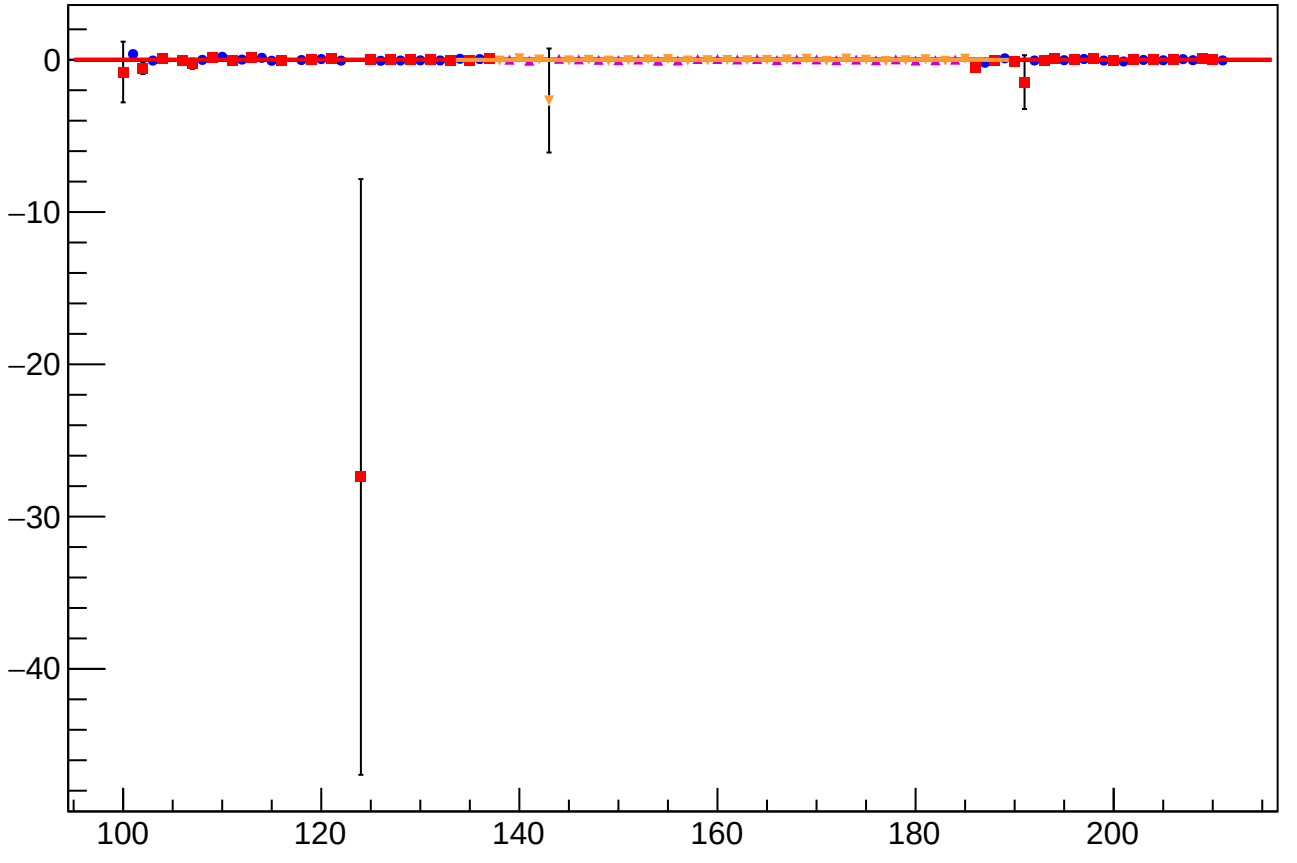
Right Out: 0.000+/-0.000 χ^2/NDF: 14579524.5/32

Left In: 0.001+/-0.000 χ^2/NDF:8440059.8/22

+ sign 0.001+/-0.000 χ^2/NDF: 29026510.6/52

All: 0.001+/-0.000 χ^2/NDF: 55782355.5/108

- sign 0.001+/-0.000 χ^2/NDF: 26284114.0/55



Right In: -0.009+/-0.012 χ^2/NDF: 28.8/27

Left Out: -0.010+/-0.008 χ^2/NDF:39.5/24

Right Out: 0.010+/-0.011 χ^2/NDF: 27.6/32

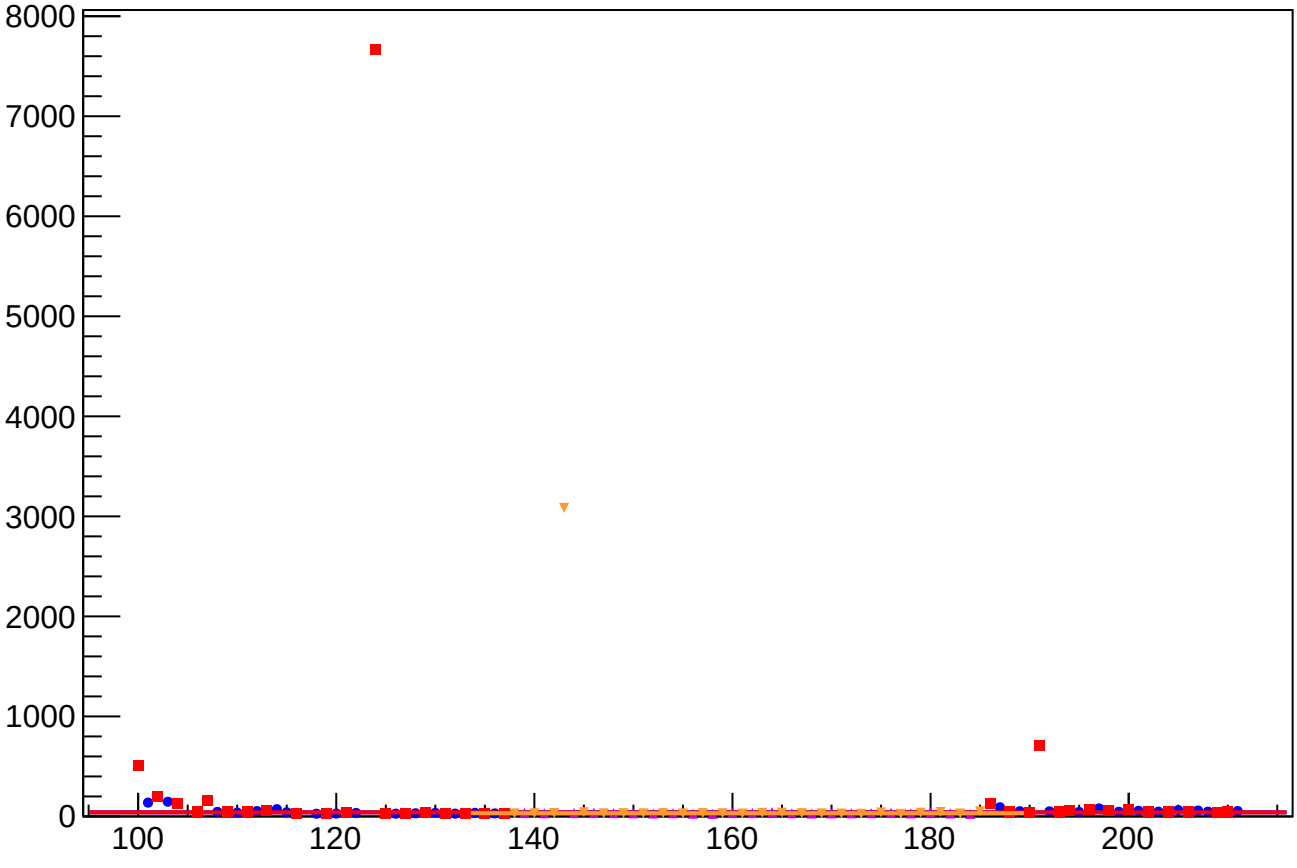
Left In: 0.004+/-0.008 χ^2/NDF:20.8/22

+ sign -0.009+/-0.007 χ^2/NDF: 68.3/52

All: -0.002+/-0.005 χ^2/NDF: 119.6/108

- sign 0.006+/-0.007 χ^2/NDF: 48.6/55

asym_at1_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 41.203+/-0.008 χ^2/NDF: 3355646.0/27

Left Out: 32.277+/-0.006 χ^2/NDF:2120971.9/24

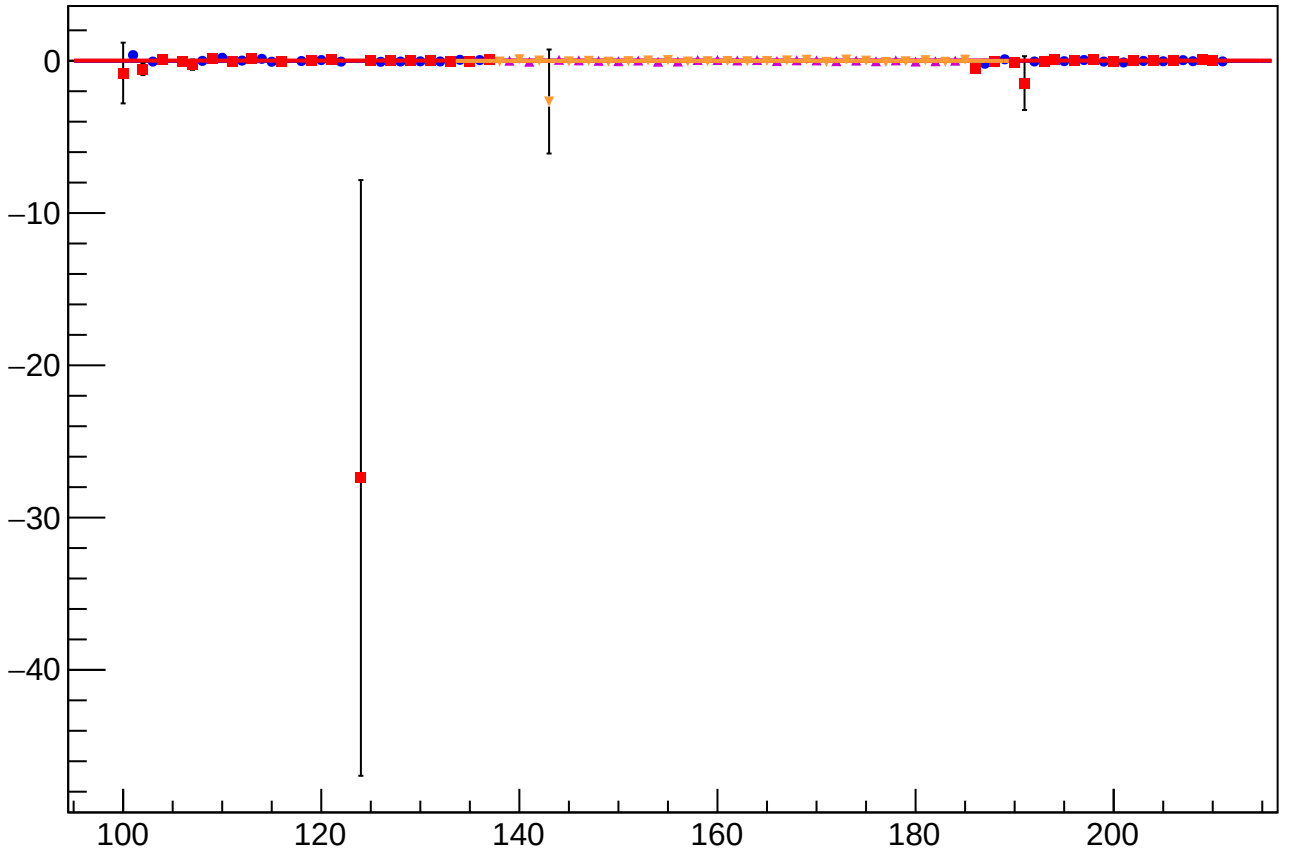
Right Out: 40.729+/-0.008 χ^2/NDF: 4346827.7/32

Left In: 32.422+/-0.006 χ^2/NDF:426001.5/22

+ sign 35.260+/-0.005 χ^2/NDF: 6262288.9/52

All: 35.280+/-0.003 χ^2/NDF: 11731556.8/108

- sign 35.300+/-0.005 χ^2/NDF: 5469231.3/55



Right In: -0.009+/-0.012 χ^2/NDF: 28.8/27

Left Out: -0.010+/-0.008 χ^2/NDF:39.5/24

Right Out: 0.010+/-0.011 χ^2/NDF: 27.6/32

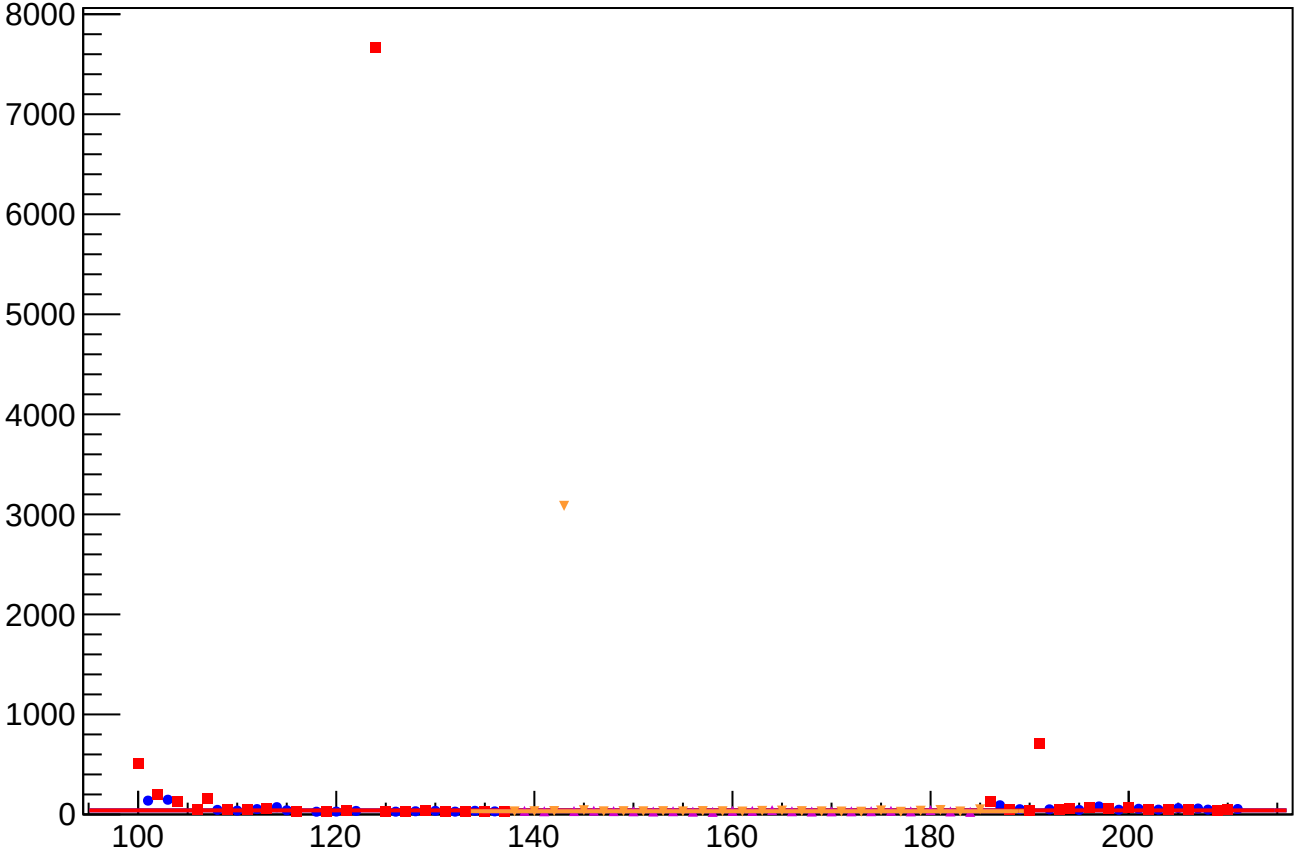
Left In: 0.004+/-0.008 χ^2/NDF:20.8/22

+ sign -0.009+/-0.007 χ^2/NDF: 68.3/52

All: -0.002+/-0.005 χ^2/NDF: 119.6/108

- sign 0.006+/-0.007 χ^2/NDF: 48.6/55

asym_at1_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 41.203+/-0.008 χ^2/NDF: 3355646.0/27

Left Out: 32.277+/-0.006 χ^2/NDF:2120971.9/24

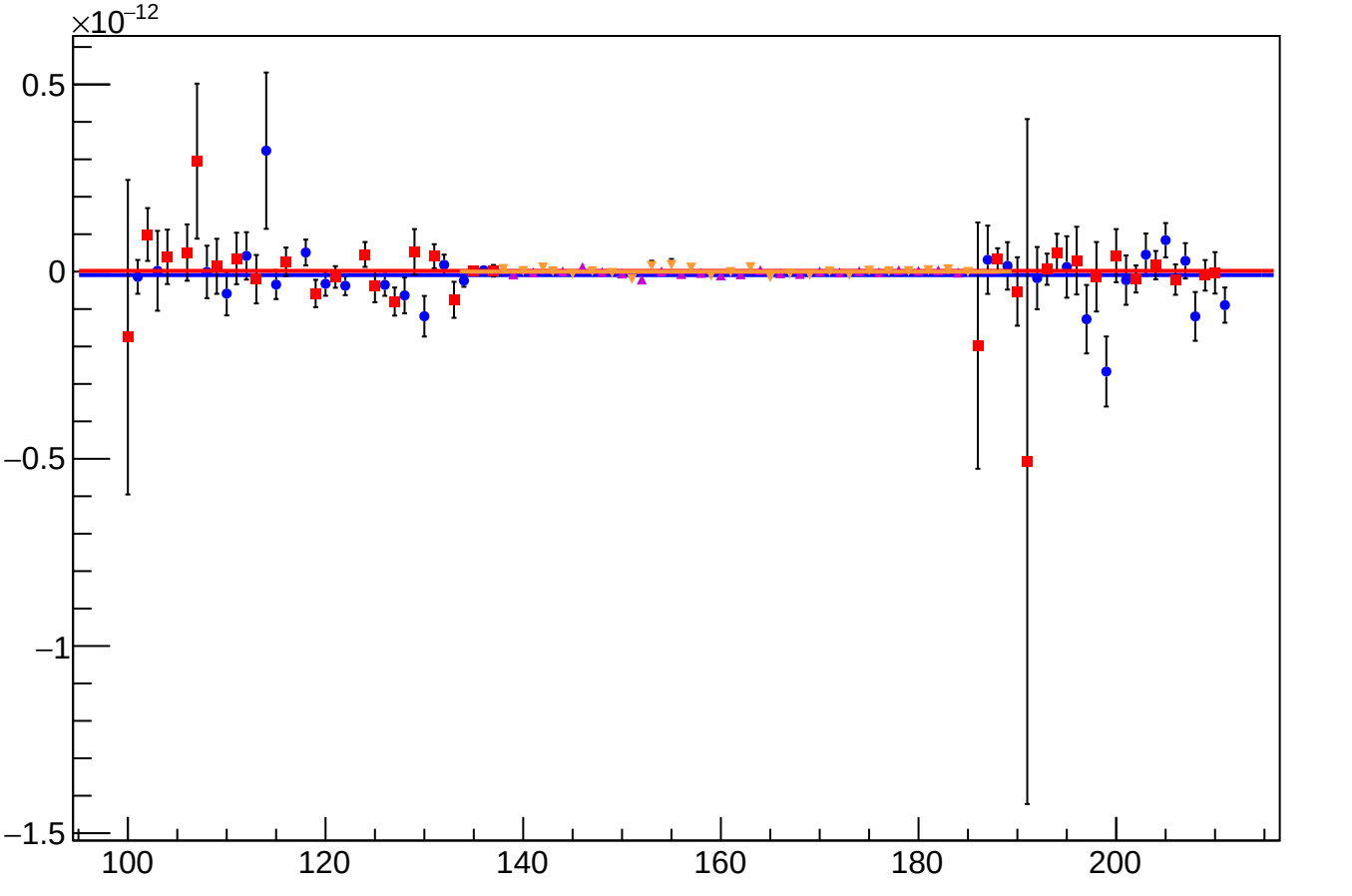
Right Out: 40.729+/-0.008 χ^2/NDF: 4346827.7/32

Left In: 32.422+/-0.006 χ^2/NDF:426001.5/22

+ sign 35.260+/-0.005 χ^2/NDF: 6262288.9/52

All: 35.280+/-0.003 χ^2/NDF: 11731556.8/108

- sign 35.300+/-0.005 χ^2/NDF: 5469231.3/55



Right In: -0.000+/-0.000 χ^2/NDF: 40.5/27

Left Out: 0.000+/-0.000 χ^2/NDF:21.1/24

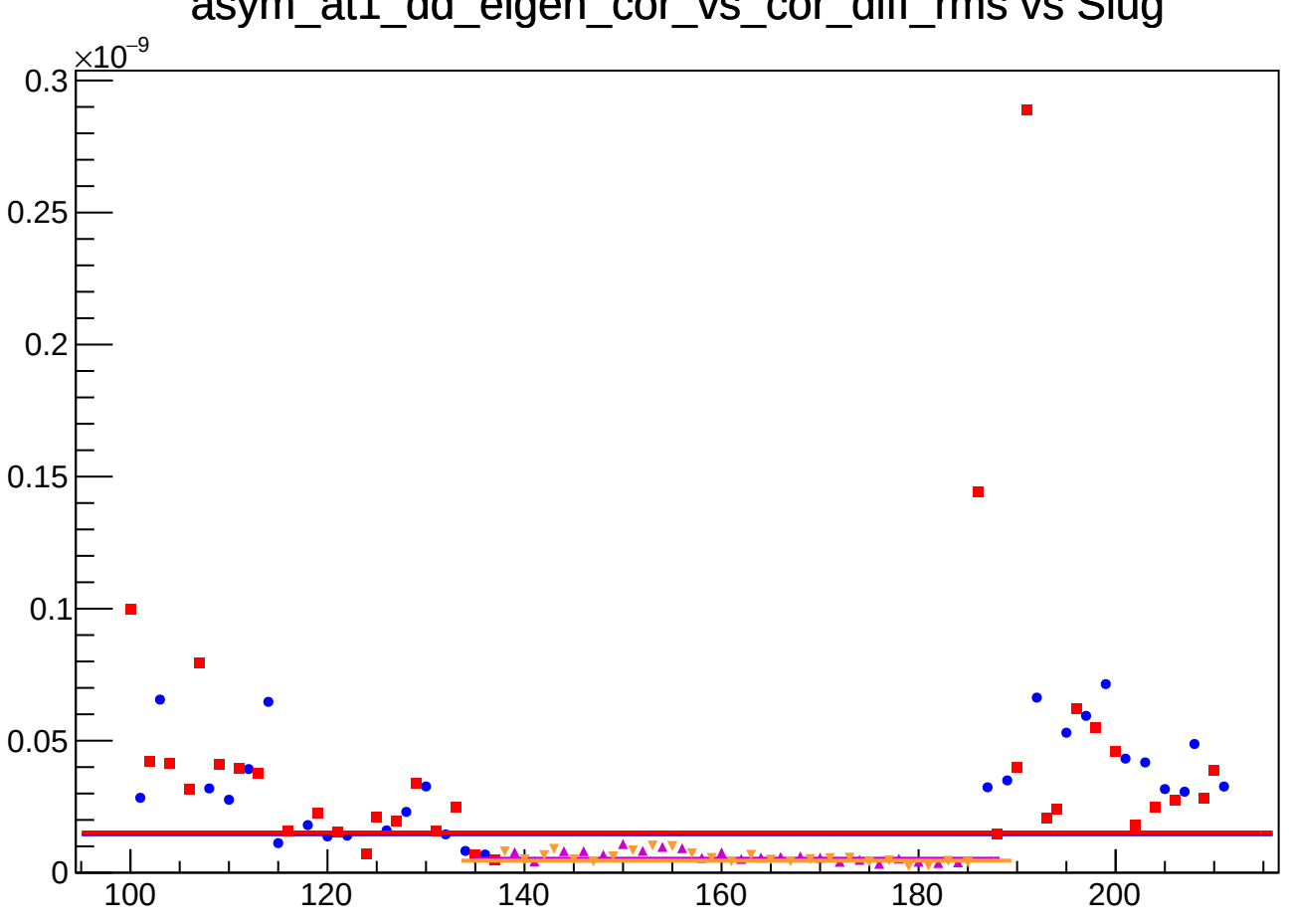
Right Out: 0.000+/-0.000 χ^2/NDF: 25.3/32

Left In: -0.000+/-0.000 χ^2/NDF:9.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 63.8/52

All: -0.000+/-0.000 χ^2/NDF: 98.6/108

- sign -0.000+/-0.000 χ^2/NDF: 34.7/55



Right In: 0.000+/-0.000 χ^2/NDF: 8239808.0/27

Left Out: 0.000+/-0.000 χ^2/NDF:2796753.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7005841.5/32

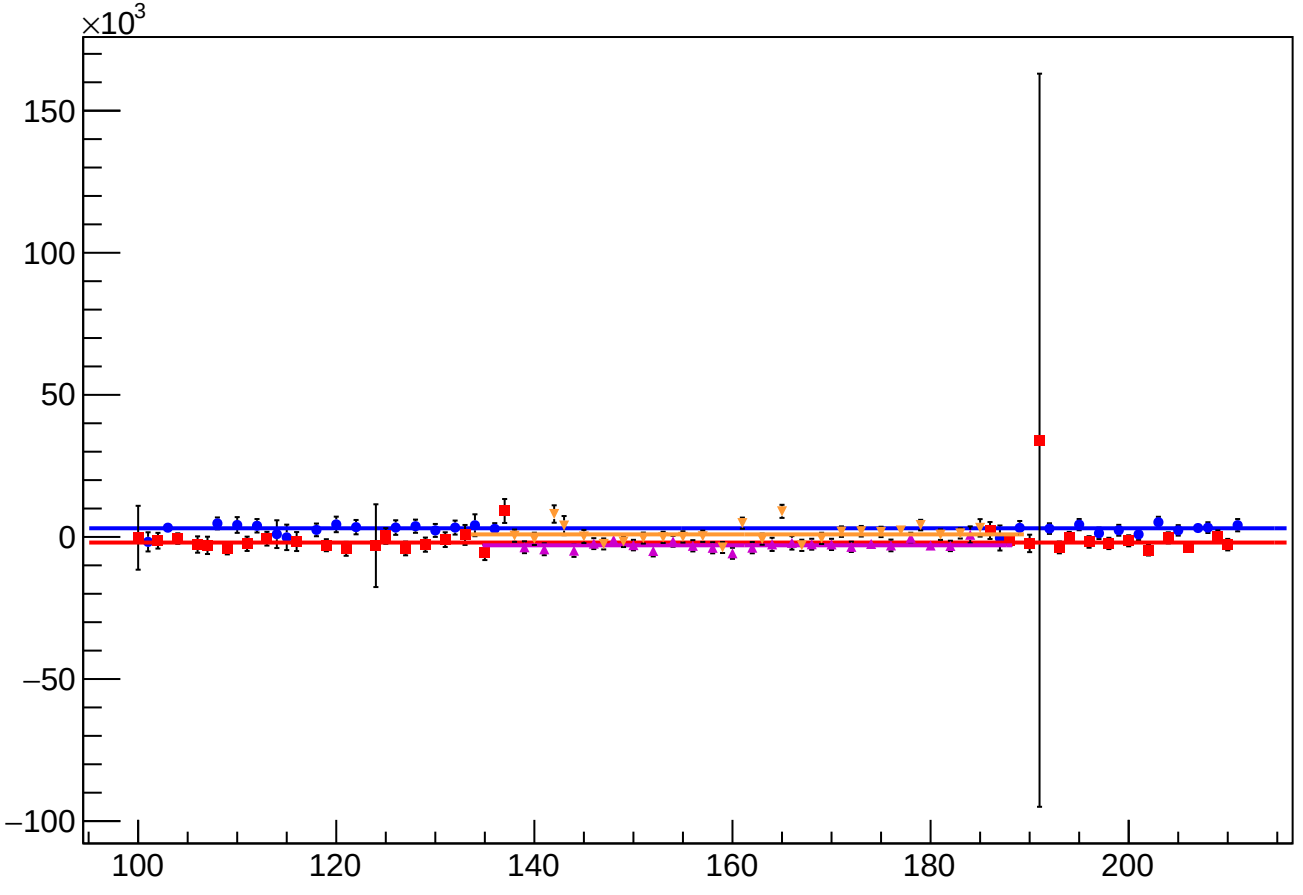
Left In: 0.000+/-0.000 χ^2/NDF:2230717.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 16226064.1/52

All: 0.000+/-0.000 χ^2/NDF: 30319389.3/108

- sign 0.000+/-0.000 χ^2/NDF: 13822940.8/55

reg_asym_at2_avg_mean vs Slug



Right In: 3051.506+/-426.996 χ^2/NDF: 9.1/27

Left Out: 898.921+/-405.540 χ^2/NDF:45.3/24

Right Out: -1972.469+/-416.679 χ^2/NDF: 23.1/32

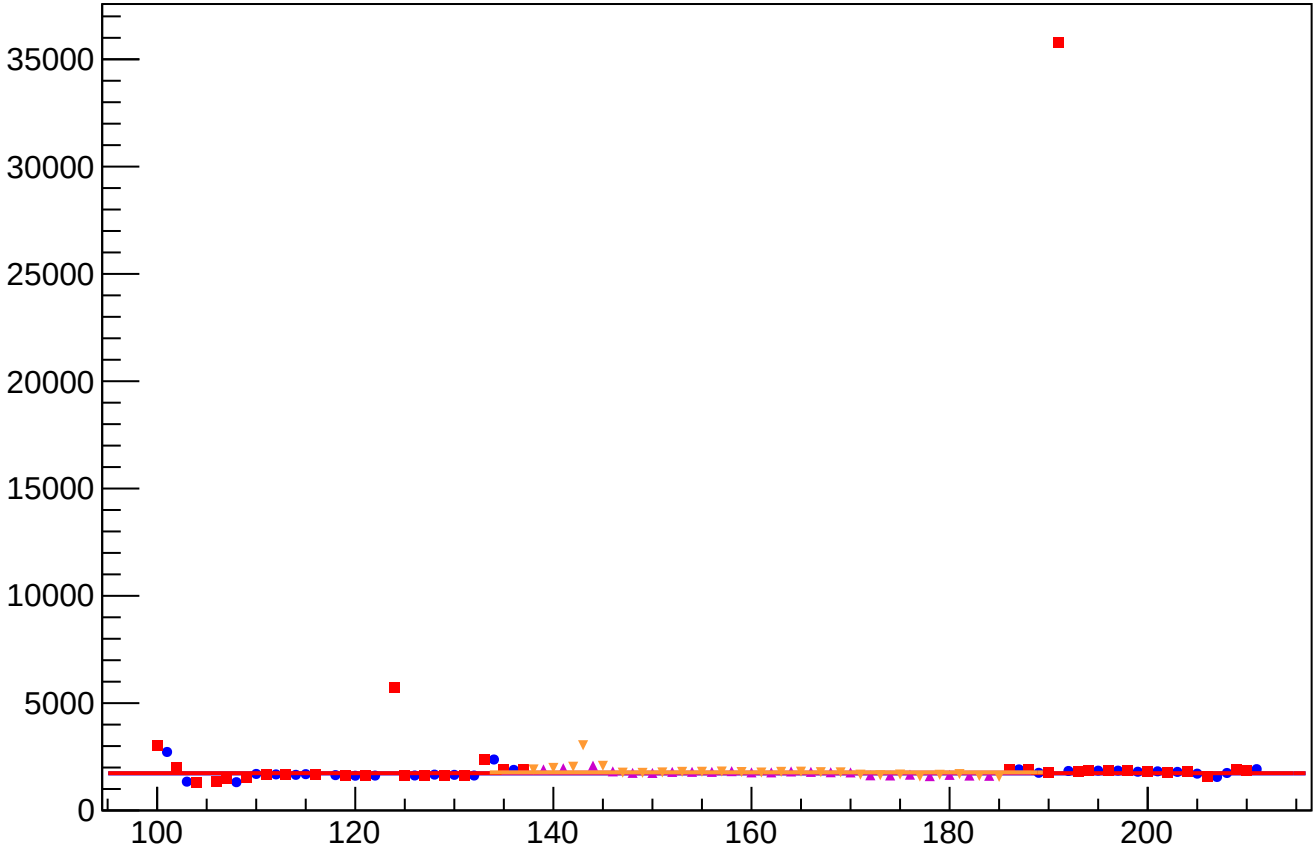
Left In: -2943.285+/-412.069 χ^2/NDF:10.6/22

+ sign 1919.777+/-294.053 χ^2/NDF: 67.7/52

All: -279.662+/-207.551 χ^2/NDF: 215.6/108

- sign -2463.278+/-292.993 χ^2/NDF: 36.4/55

reg_asym_at2_avg_rms vs Slug



Right In: 1726.204+/-0.302 χ^2/NDF: 511239.5/27

Left Out: 1774.731+/-0.287 χ^2/NDF:446895.8/24

Right Out: 1737.087+/-0.295 χ^2/NDF: 715474.1/32

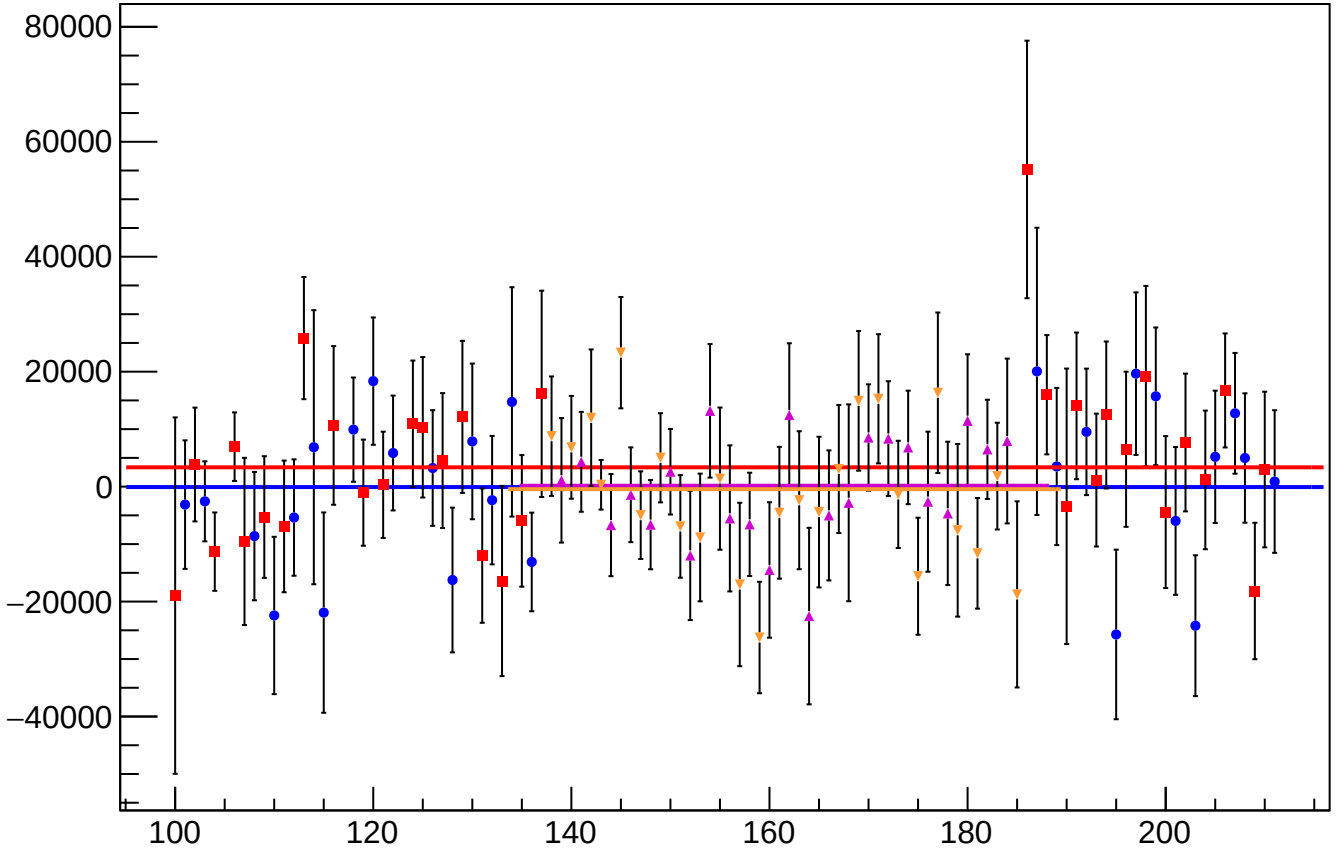
Left In: 1761.089+/-0.291 χ^2/NDF:146266.6/22

+ sign 1751.717+/-0.208 χ^2/NDF: 971716.3/52

All: 1750.465+/-0.147 χ^2/NDF: 1836884.1/10

- sign 1749.221+/-0.207 χ^2/NDF: 865095.6/55

asym_at2_avg_reg_correction_mean vs Slug



Right In: -77.694+/-2190.891 χ^2/NDF: 28.9/27

Left Out: -443.346+/-1925.604 χ^2/NDF:29.5/24

Right Out: 3356.486+/-1984.432 χ^2/NDF: 33.3/32

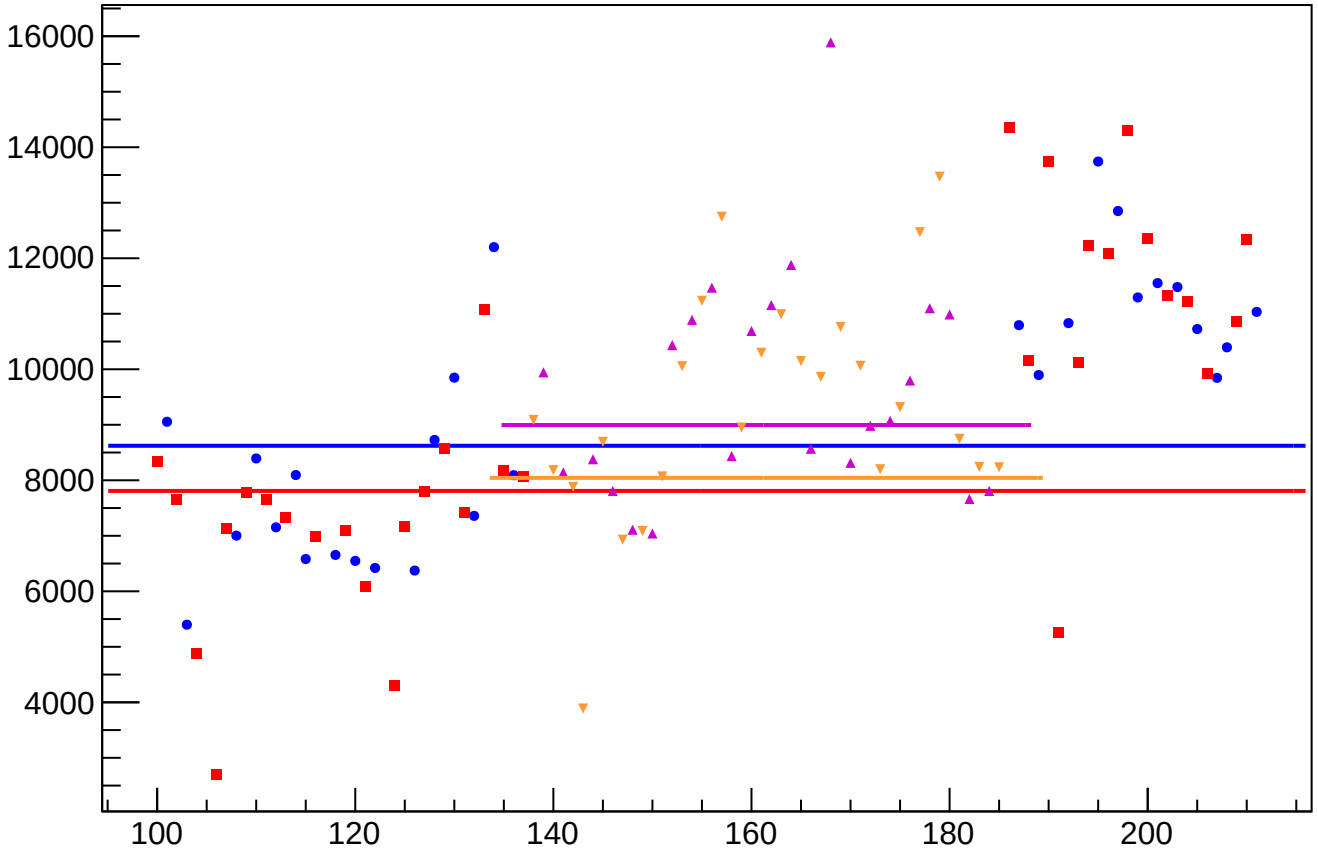
Left In: 155.268+/-2143.489 χ^2/NDF:13.8/22

+ sign -283.987+/-1446.356 χ^2/NDF: 58.4/52

All: 790.198+/-1026.188 χ^2/NDF: 107.8/108

- sign 1879.044+/-1456.193 χ^2/NDF: 48.3/55

asym_at2_avg_reg_correction_rms vs Slug



Right In: 8621.975+/-1.549 χ^2/NDF: 2084189.7/27

Left Out: 8043.834+/-1.362 χ^2/NDF:3362838.6/24

Right Out: 7808.580+/-1.403 χ^2/NDF: 4584166.9/32

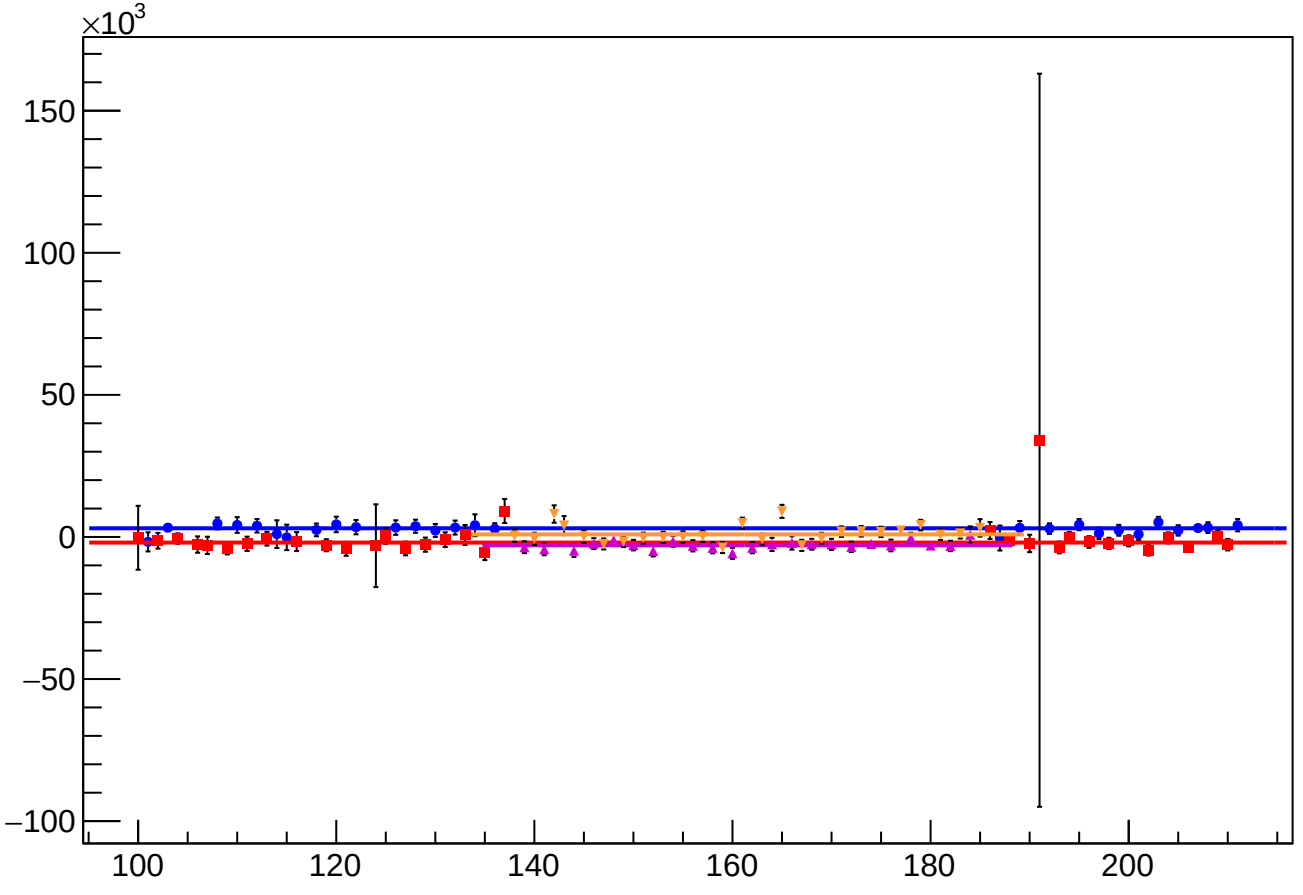
Left In: 8995.626+/-1.516 χ^2/NDF:1207133.5/22

+ sign 8295.800+/-1.023 χ^2/NDF: 5525601.2/52

All: 8325.910+/-0.726 χ^2/NDF: 11648931.6/1

- sign 8356.431+/-1.030 χ^2/NDF: 6121585.0/55

cor_asym_at2_avg_mean vs Slug



Right In: 3051.549+/-426.996 χ^2/NDF: 9.1/27

Left Out: 898.842+/-405.540 χ^2/NDF:45.3/24

Right Out: -1972.409+/-416.679 χ^2/NDF: 23.1/32

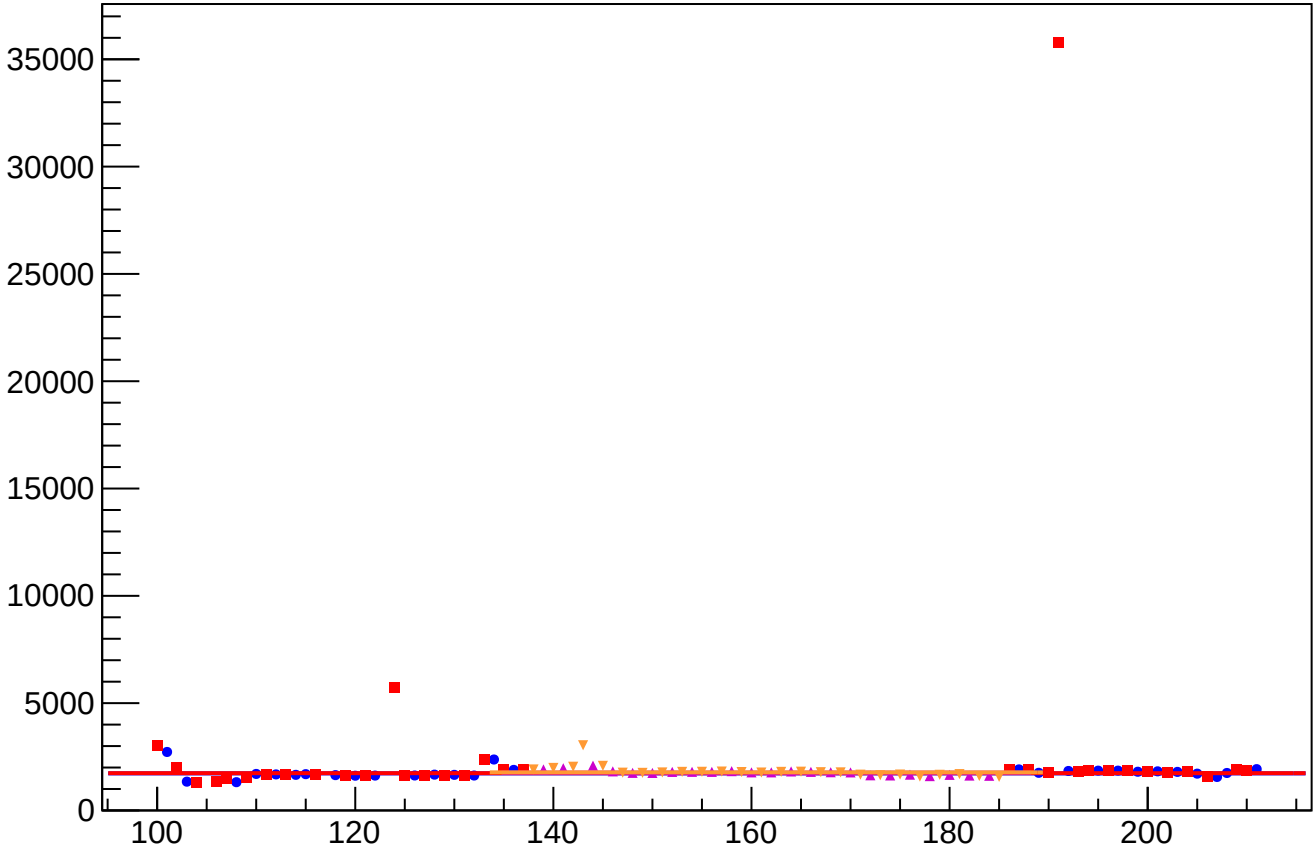
Left In: -2943.173+/-412.069 χ^2/NDF:10.6/22

+ sign 1919.755+/-294.053 χ^2/NDF: 67.7/52

All: -279.629+/-207.551 χ^2/NDF: 215.6/108

- sign -2463.191+/-292.993 χ^2/NDF: 36.4/55

cor_asym_at2_avg_rms vs Slug



Right In: 1726.204+/-0.302 χ^2/NDF: 511239.9/27

Left Out: 1774.731+/-0.287 χ^2/NDF:446895.7/24

Right Out: 1737.087+/-0.295 χ^2/NDF: 715474.3/32

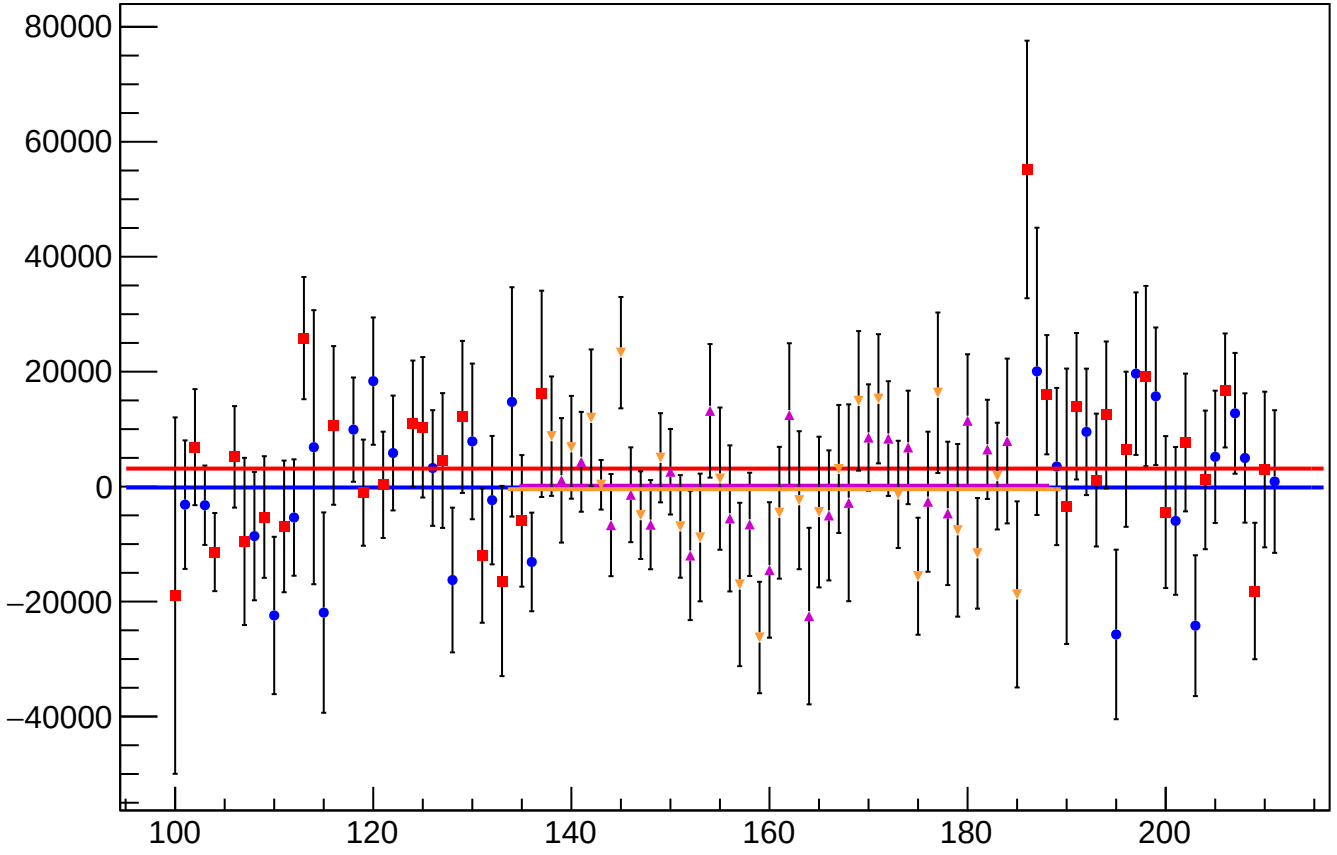
Left In: 1761.089+/-0.291 χ^2/NDF:146266.6/22

+ sign 1751.717+/-0.208 χ^2/NDF: 971716.7/52

All: 1750.465+/-0.147 χ^2/NDF: 1836884.8/10

- sign 1749.221+/-0.207 χ^2/NDF: 865095.8/55

asym_at2_avg_cor_correction_mean vs Slug



Right In: -150.208+/-2189.024 χ^2/NDF: 29.0/27

Left Out: -443.387+/-1925.600 χ^2/NDF:29.5/24

Right Out: 3138.558+/-2048.055 χ^2/NDF: 33.2/32

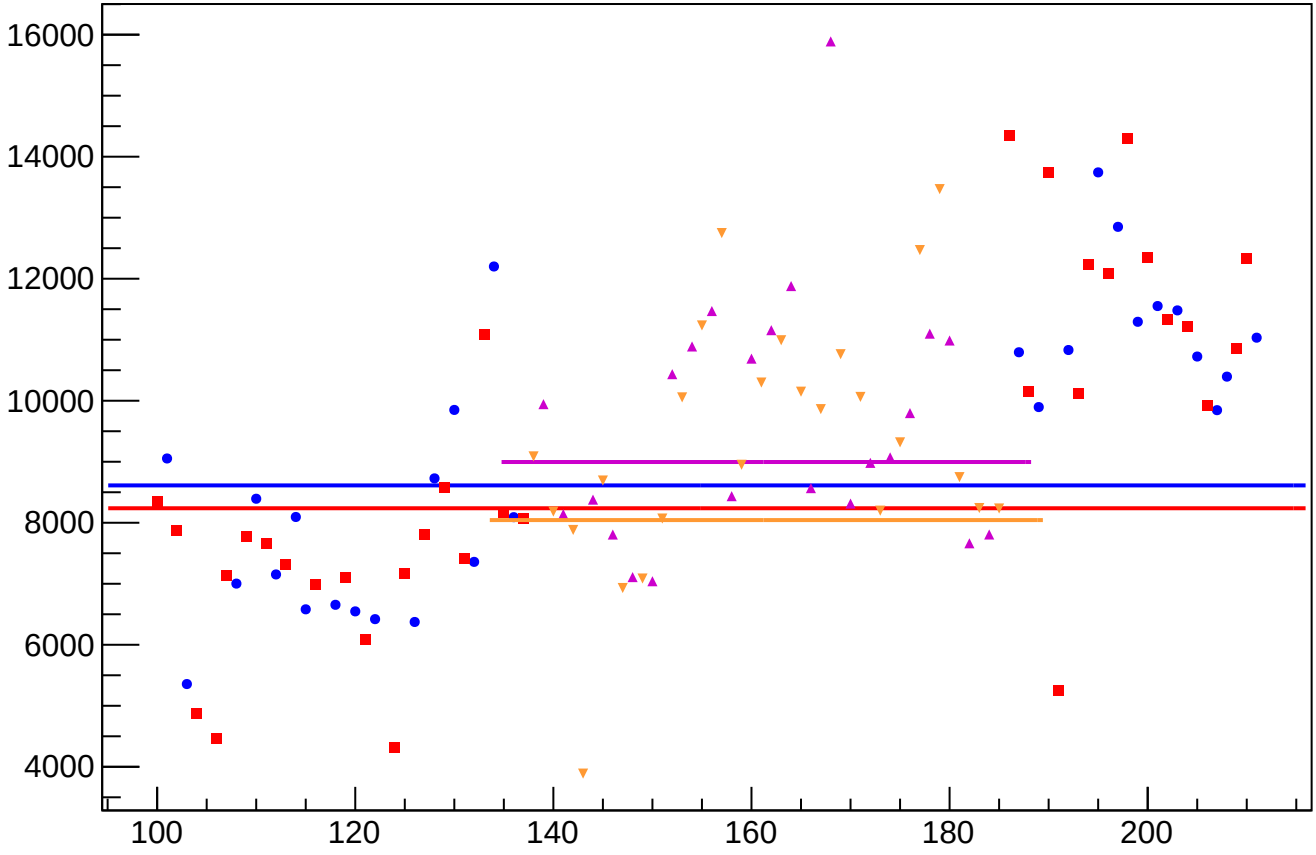
Left In: 155.239+/-2143.487 χ^2/NDF:13.8/22

+ sign -315.491+/-1445.817 χ^2/NDF: 58.5/52

All: 675.395+/-1034.487 χ^2/NDF: 107.4/108

- sign 1714.786+/-1480.782 χ^2/NDF: 48.0/55

asym_at2_avg_cor_correction_rms vs Slug



Right In: 8612.220+/-1.548 χ^2/NDF: 2103021.6/27

Left Out: 8043.808+/-1.362 χ^2/NDF:3362915.7/24

Right Out: 8237.612+/-1.448 χ^2/NDF: 3320336.7/32

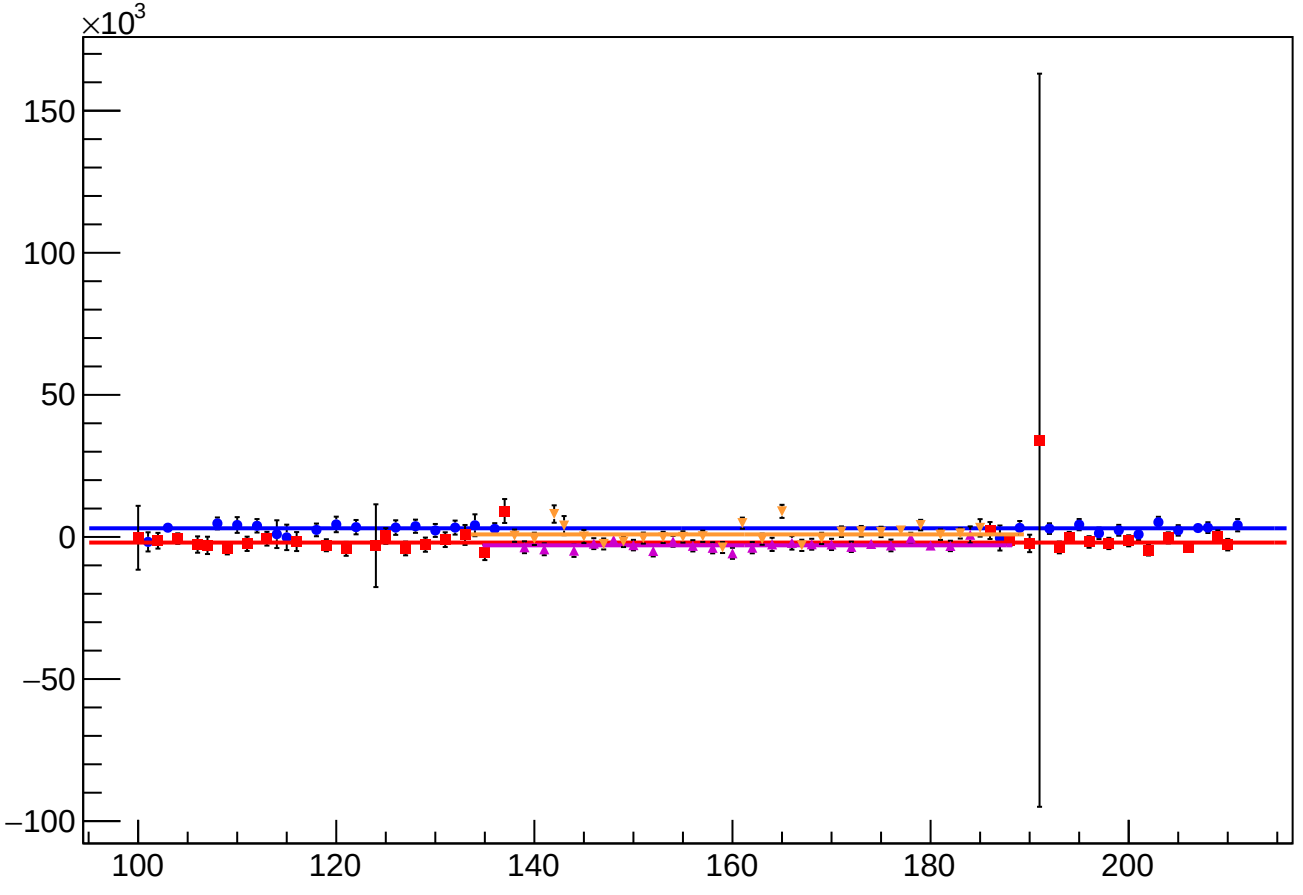
Left In: 8995.616+/-1.516 χ^2/NDF:1207139.1/22

+ sign 8291.772+/-1.022 χ^2/NDF: 5541961.1/52

All: 8441.894+/-0.731 χ^2/NDF: 10244363.4/1

- sign 8599.364+/-1.047 χ^2/NDF: 4658222.6/55

eigen_cor_asym_at2_avg_mean vs Slug



Right In: 3051.549+/-426.996 χ^2/NDF: 9.1/27

Left Out: 898.842+/-405.540 χ^2/NDF:45.3/24

Right Out: -1972.409+/-416.679 χ^2/NDF: 23.1/32

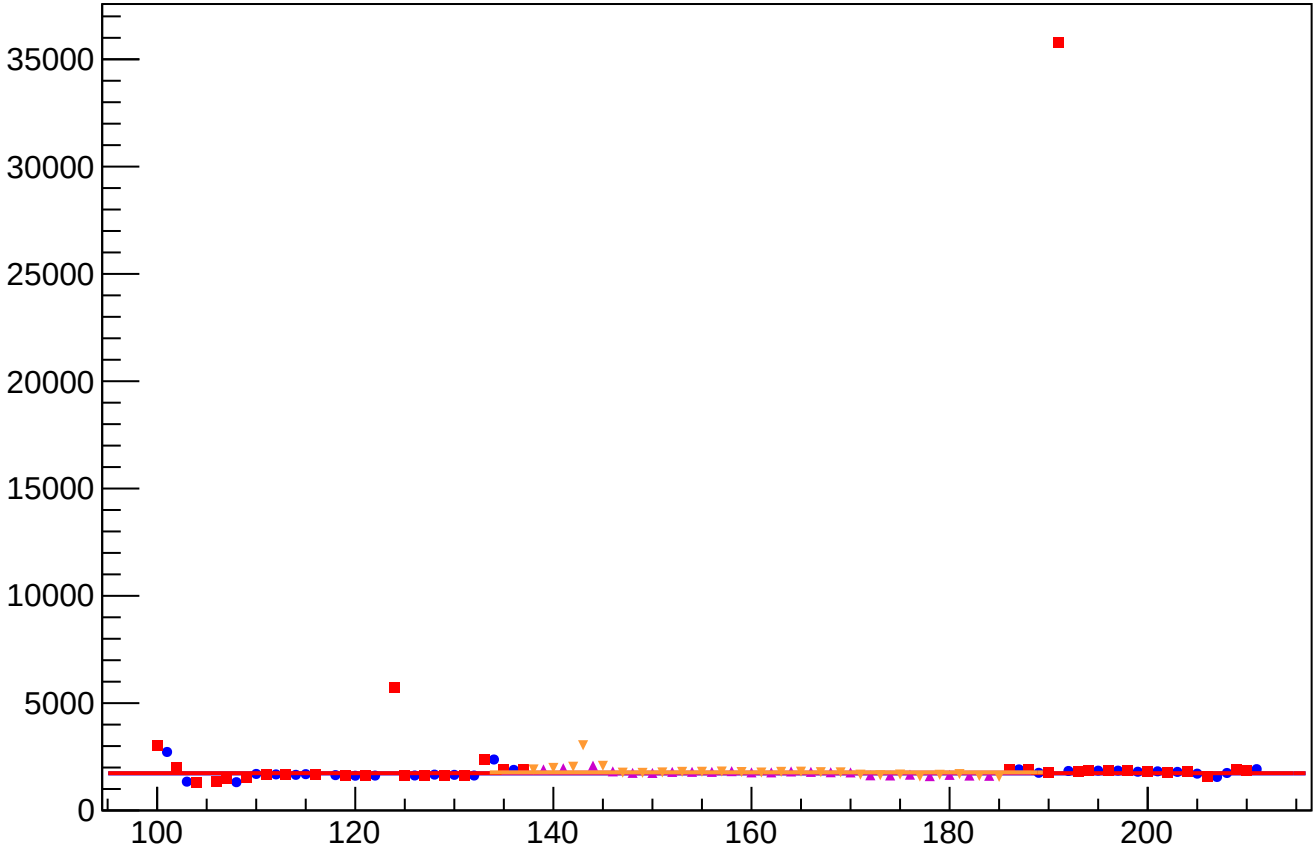
Left In: -2943.173+/-412.069 χ^2/NDF:10.6/22

+ sign 1919.755+/-294.053 χ^2/NDF: 67.7/52

All: -279.629+/-207.551 χ^2/NDF: 215.6/108

- sign -2463.191+/-292.993 χ^2/NDF: 36.4/55

eigen_cor_asym_at2_avg_rms vs Slug



Right In: 1726.204+/-0.302 χ^2/NDF: 511239.9/27

Left Out: 1774.731+/-0.287 χ^2/NDF:446895.7/24

Right Out: 1737.087+/-0.295 χ^2/NDF: 715474.3/32

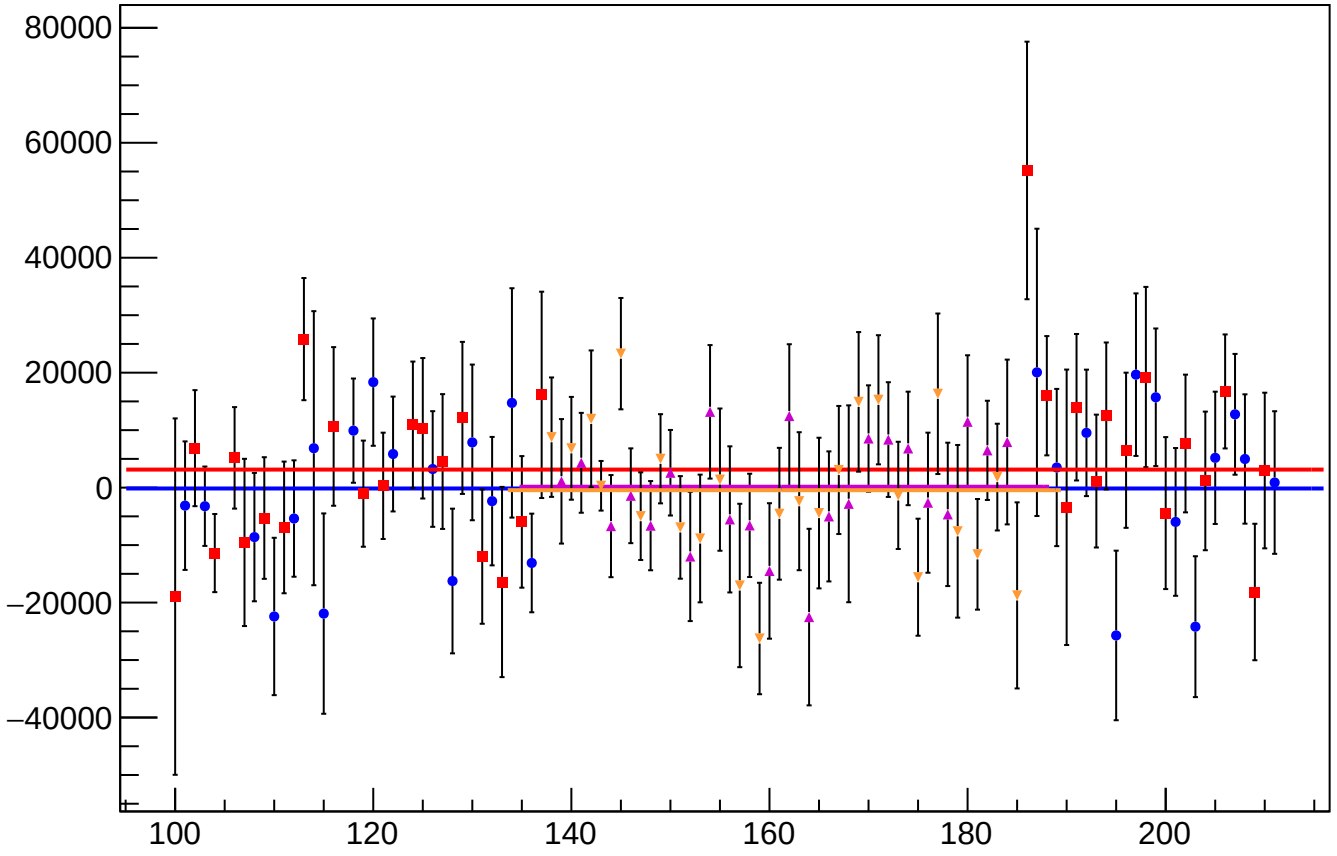
Left In: 1761.089+/-0.291 χ^2/NDF:146266.6/22

+ sign 1751.717+/-0.208 χ^2/NDF: 971716.7/52

All: 1750.465+/-0.147 χ^2/NDF: 1836884.8/10

- sign 1749.221+/-0.207 χ^2/NDF: 865095.8/55

asym_at2_avg_eigen_cor_correction_mean vs Slug



Right In: -150.208+/-2189.024 χ^2/NDF: 29.0/27

Left Out: -443.387+/-1925.600 χ^2/NDF:29.5/24

Right Out: 3138.558+/-2048.055 χ^2/NDF: 33.2/32

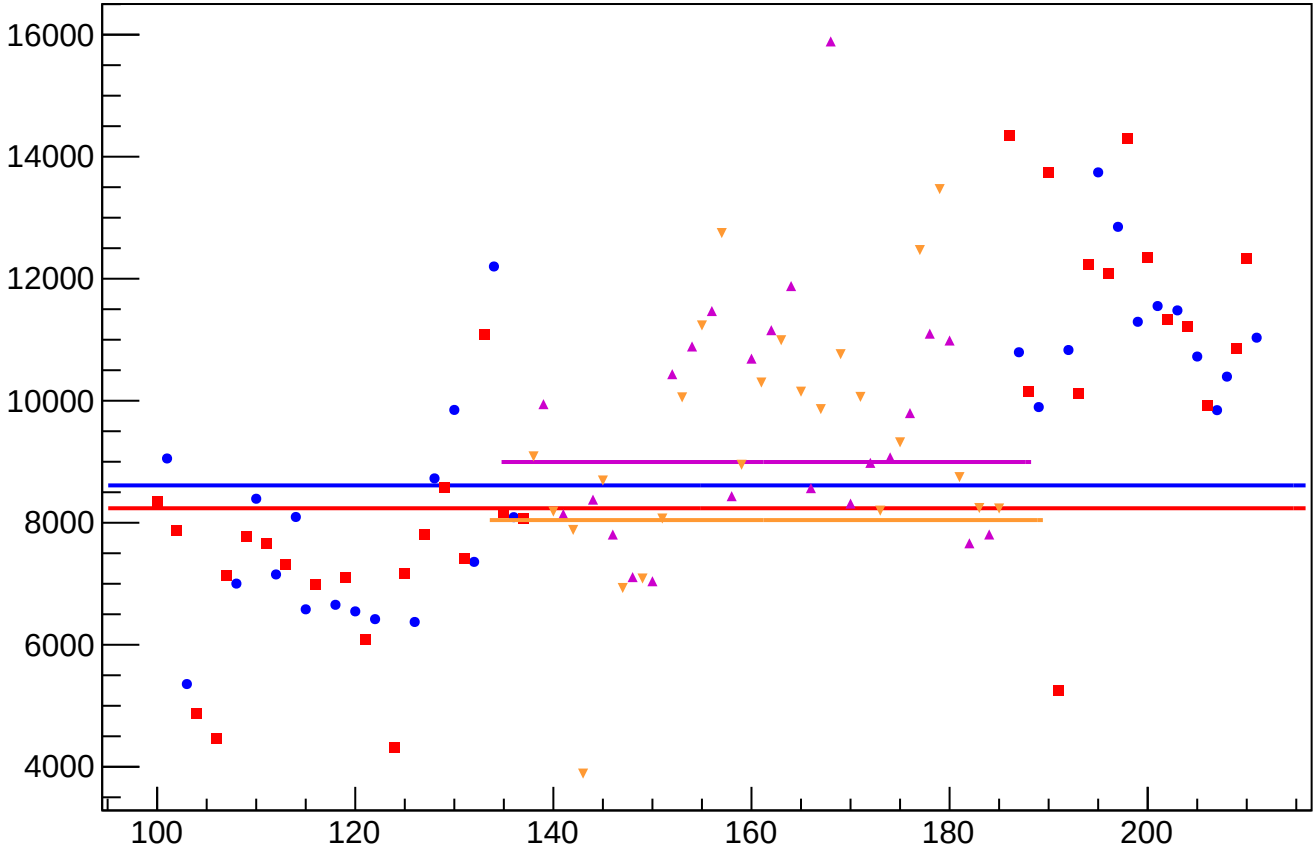
Left In: 155.239+/-2143.487 χ^2/NDF:13.8/22

+ sign -315.491+/-1445.817 χ^2/NDF: 58.5/52

All: 675.395+/-1034.487 χ^2/NDF: 107.4/108

- sign 1714.786+/-1480.782 χ^2/NDF: 48.0/55

asym_at2_avg_eigen_cor_correction_rms vs Slug



Right In: 8612.220+/-1.548 χ^2/NDF: 2103021.6/27

Left Out: 8043.808+/-1.362 χ^2/NDF:3362915.7/24

Right Out: 8237.612+/-1.448 χ^2/NDF: 3320336.7/32

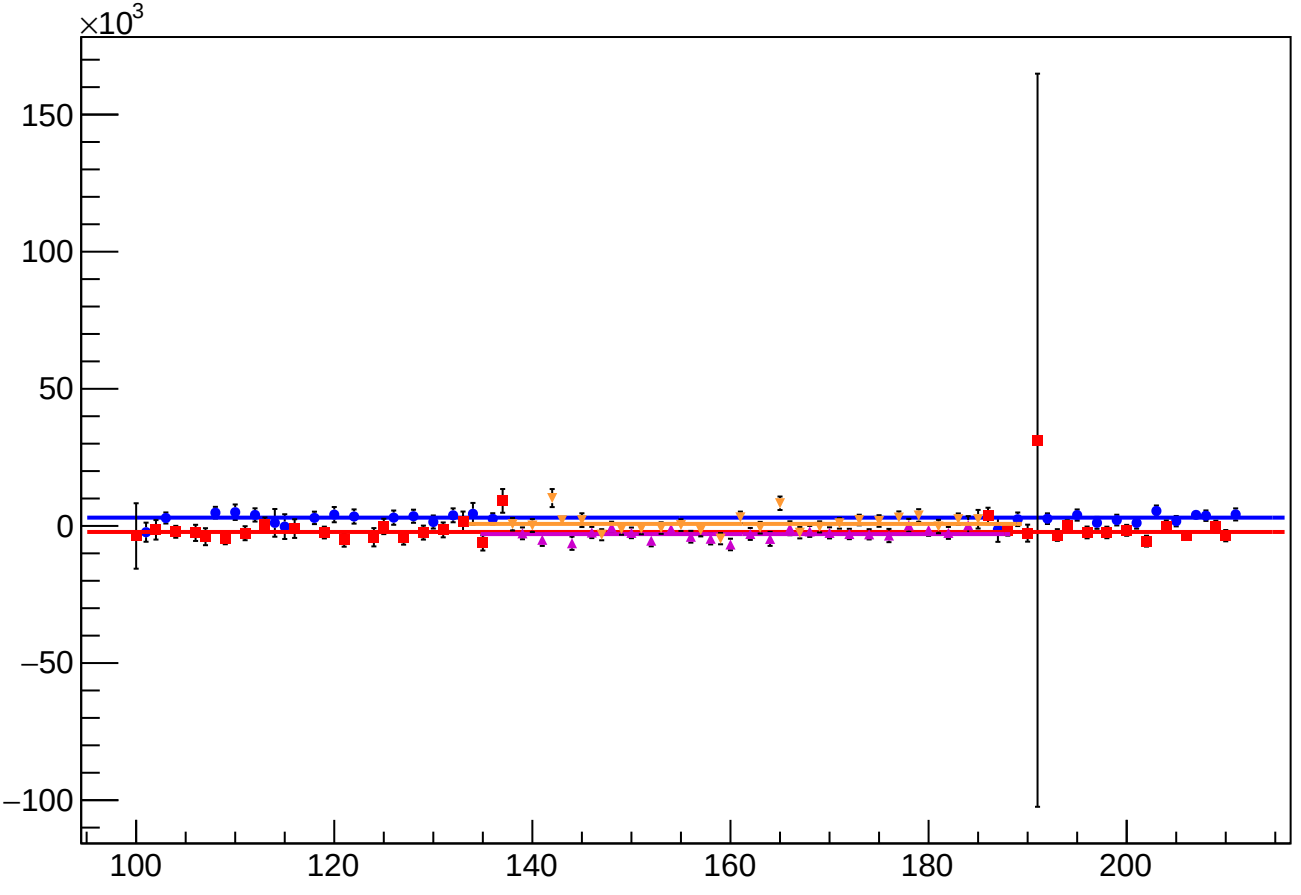
Left In: 8995.616+/-1.516 χ^2/NDF:1207139.1/22

+ sign 8291.772+/-1.022 χ^2/NDF: 5541961.1/52

All: 8441.894+/-0.731 χ^2/NDF: 10244363.4/1

- sign 8599.364+/-1.047 χ^2/NDF: 4658222.6/55

dit_asym_at2_avg_mean vs Slug



Right In: 3024.627+/-441.359 χ^2/NDF: 11.1/27

Left Out: 739.029+/-432.878 χ^2/NDF:41.6/24

Right Out: -2200.293+/-428.898 χ^2/NDF: 27.6/32

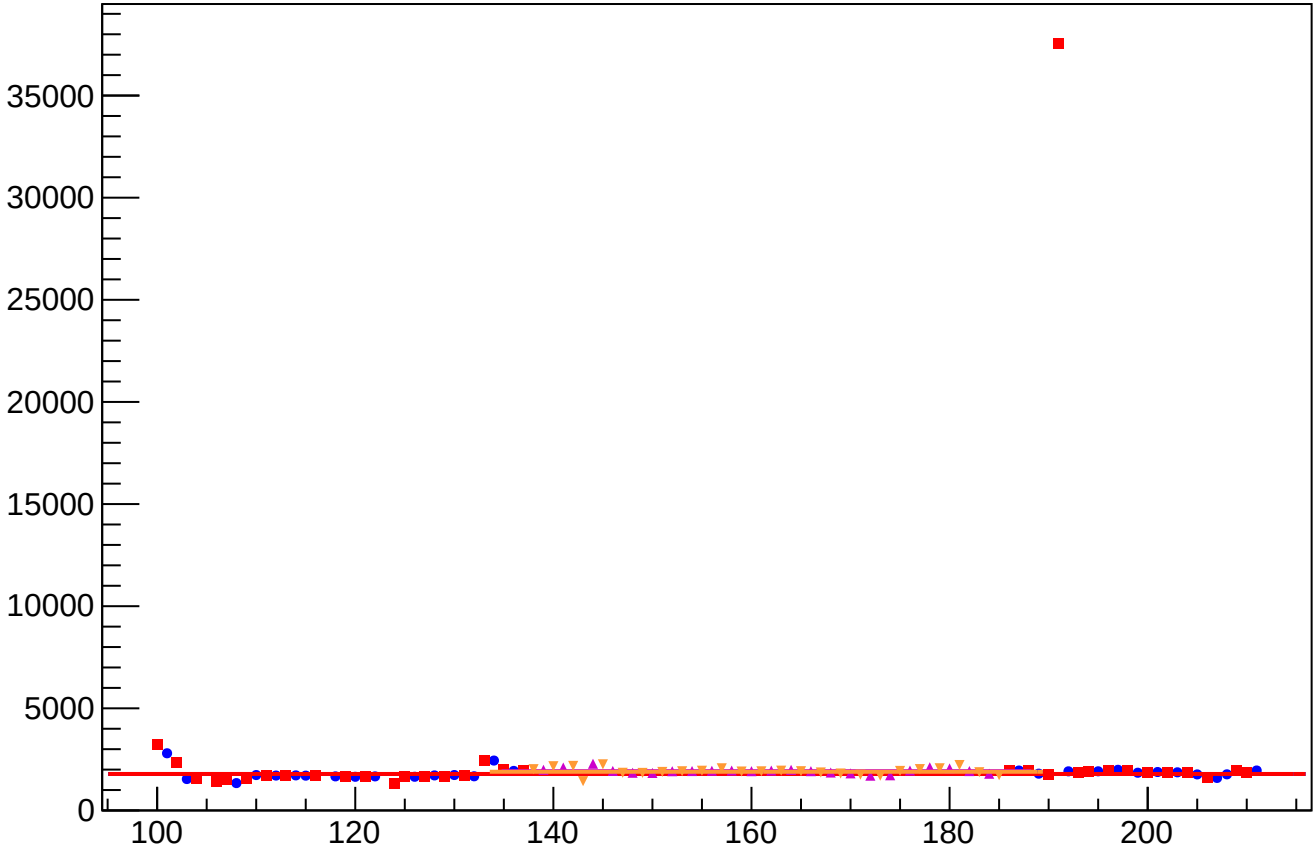
Left In: -2979.225+/-450.334 χ^2/NDF:15.6/22

+ sign 1859.659+/-309.046 χ^2/NDF: 66.4/52

All: -344.600+/-219.068 χ^2/NDF: 213.4/108

- sign -2570.779+/-310.579 χ^2/NDF: 44.8/55

dit_asym_at2_avg_rms vs Slug



Right In: 1784.637+/-0.312 χ^2/NDF: 468019.4/27

Left Out: 1894.684+/-0.306 χ^2/NDF:368587.1/24

Right Out: 1786.328+/-0.303 χ^2/NDF: 578992.4/32

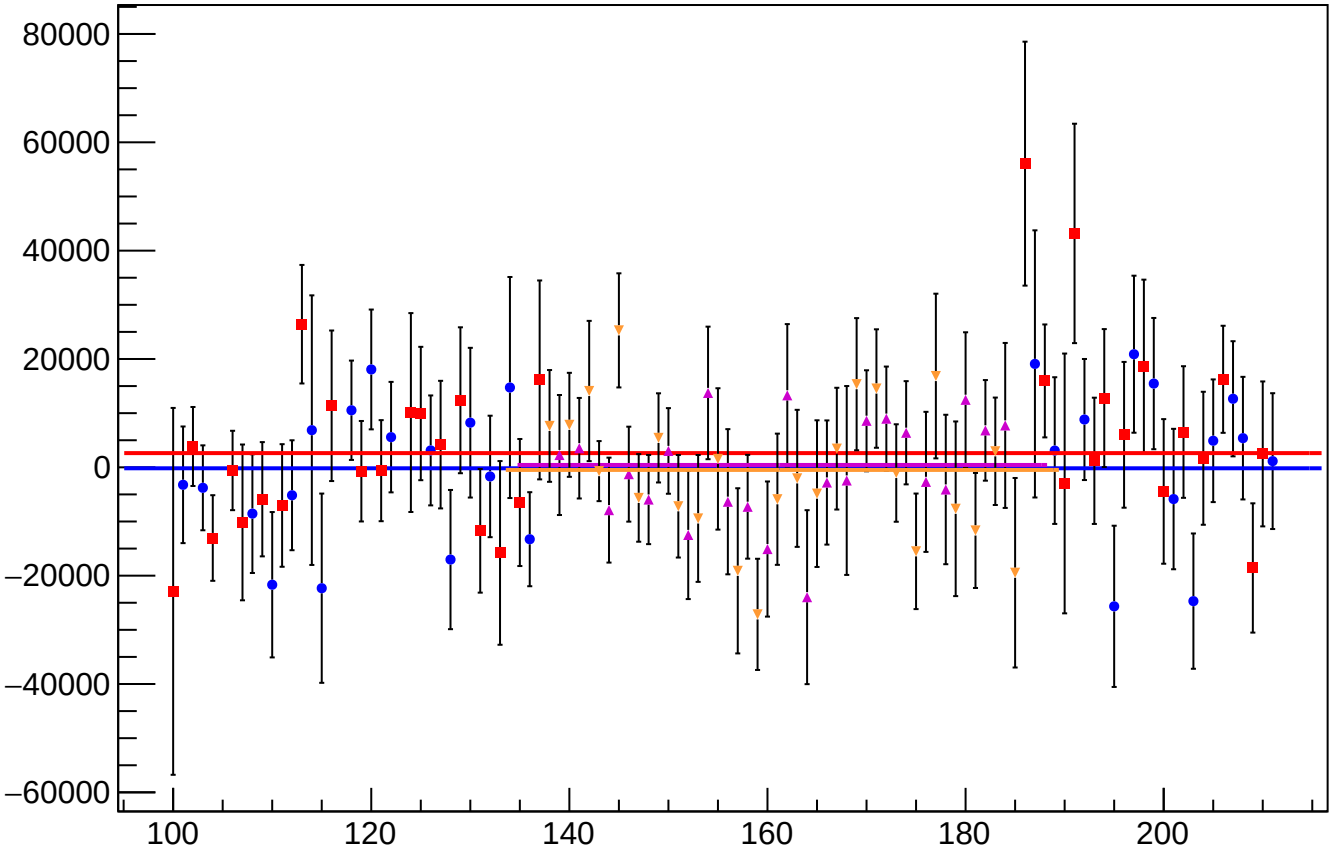
Left In: 1923.038+/-0.318 χ^2/NDF:150977.3/22

+ sign 1840.728+/-0.219 χ^2/NDF: 899982.0/52

All: 1846.009+/-0.155 χ^2/NDF: 1727789.4/10

- sign 1851.341+/-0.220 χ^2/NDF: 826633.8/55

asym_at2_avg_dit_correction_mean vs Slug



Right In: -177.566+/-2224.509 χ^2/NDF: 28.8/27

Left Out: -479.338+/-2089.235 χ^2/NDF:28.8/24

Right Out: 2624.911+/-2056.395 χ^2/NDF: 35.7/32

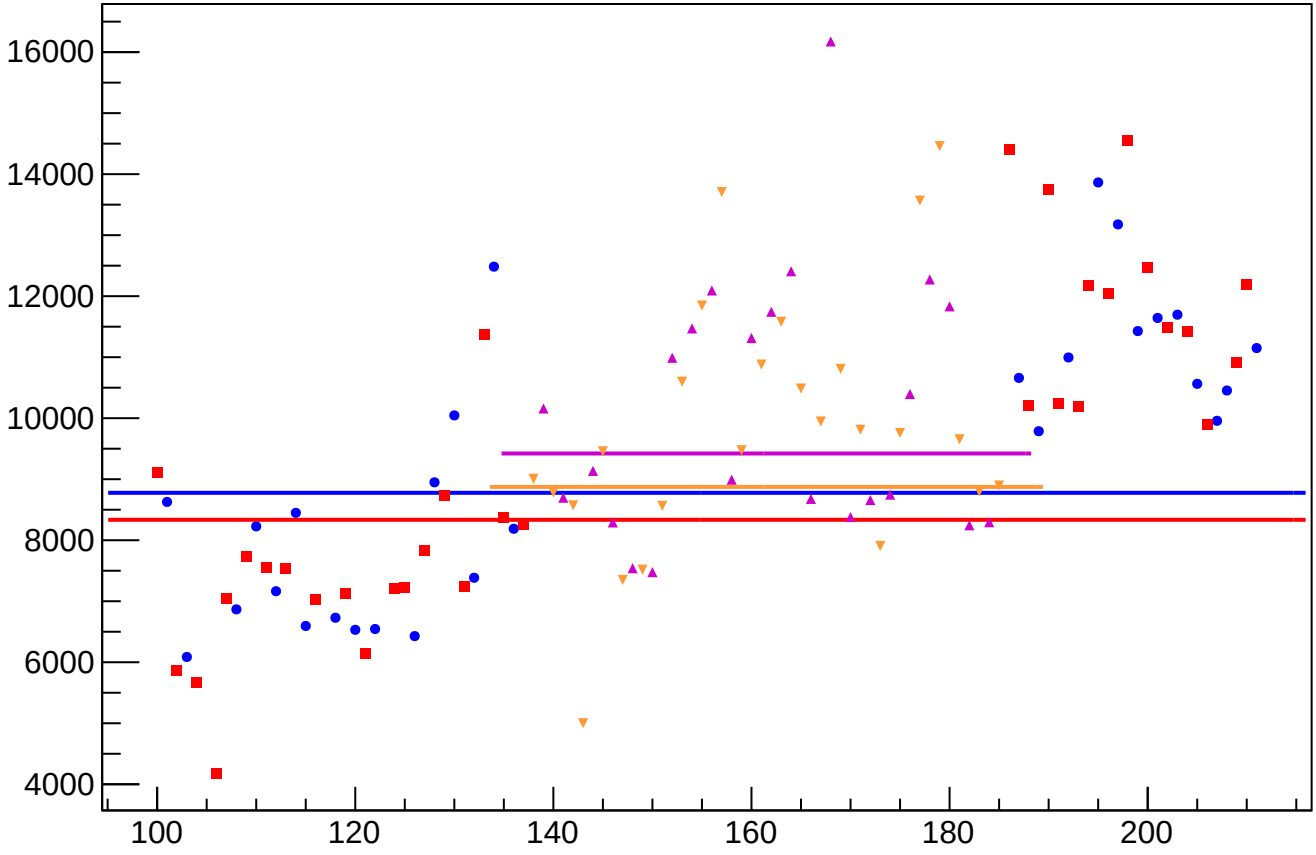
Left In: 436.717+/-2245.180 χ^2/NDF:13.6/22

+ sign -337.906+/-1522.890 χ^2/NDF: 57.6/52

All: 648.544+/-1074.561 χ^2/NDF: 108.3/108

- sign 1626.664+/-1516.447 χ^2/NDF: 49.8/55

asym_at2_avg_dit_correction_rms vs Slug



Right In: 8777.103+/-1.573 χ^2/NDF: 1902997.9/27

Left Out: 8873.592+/-1.477 χ^2/NDF:2203249.6/24

Right Out: 8334.803+/-1.454 χ^2/NDF: 3199381.9/32

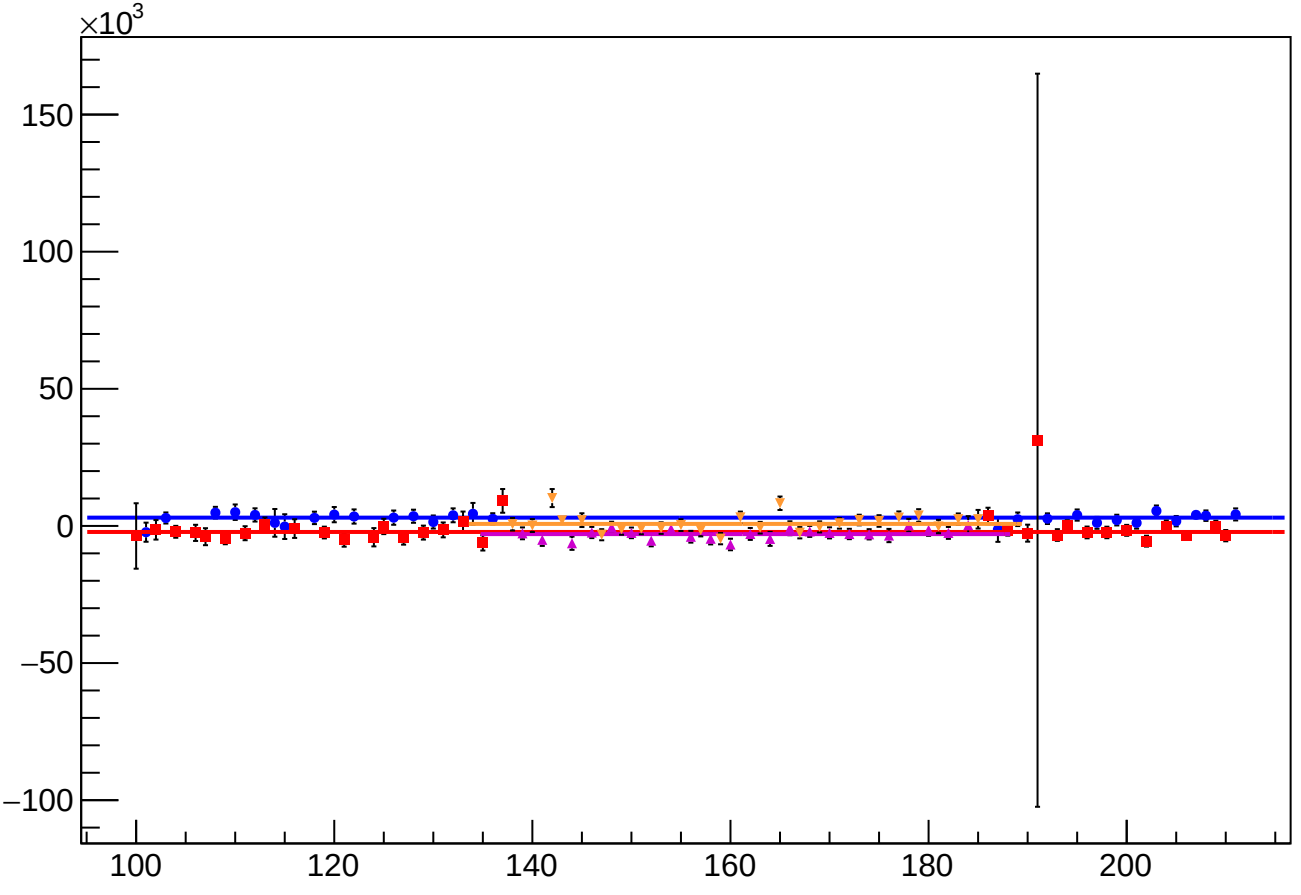
Left In: 9421.708+/-1.588 χ^2/NDF:1204848.0/22

+ sign 8828.370+/-1.077 χ^2/NDF: 4108246.9/52

All: 8829.513+/-0.760 χ^2/NDF: 8767368.9/10

- sign 8830.645+/-1.072 χ^2/NDF: 4659119.8/55

eigen_dit_asym_at2_avg_mean vs Slug



Right In: 3024.624+/-441.359 χ^2/NDF: 11.1/27

Left Out: 739.018+/-432.879 χ^2/NDF:41.6/24

Right Out: -2200.292+/-428.898 χ^2/NDF: 27.6/32

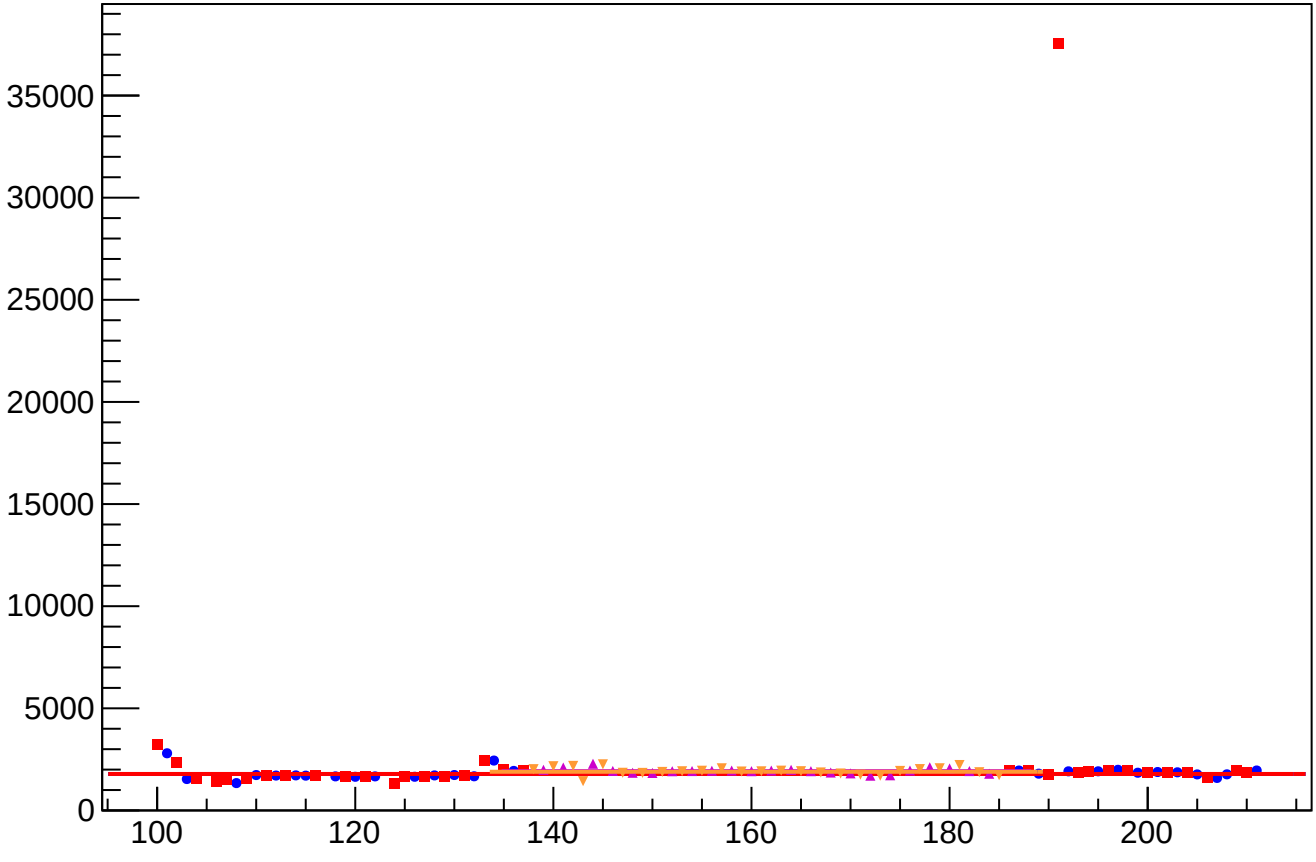
Left In: -2979.226+/-450.335 χ^2/NDF:15.6/22

+ sign 1859.654+/-309.046 χ^2/NDF: 66.4/52

All: -344.603+/-219.068 χ^2/NDF: 213.4/108

- sign -2570.778+/-310.579 χ^2/NDF: 44.8/55

eigen_dit_asym_at2_avg_rms vs Slug



Right In: 1784.637+/-0.312 χ^2/NDF: 468020.1/27

Left Out: 1894.687+/-0.306 χ^2/NDF:368594.6/24

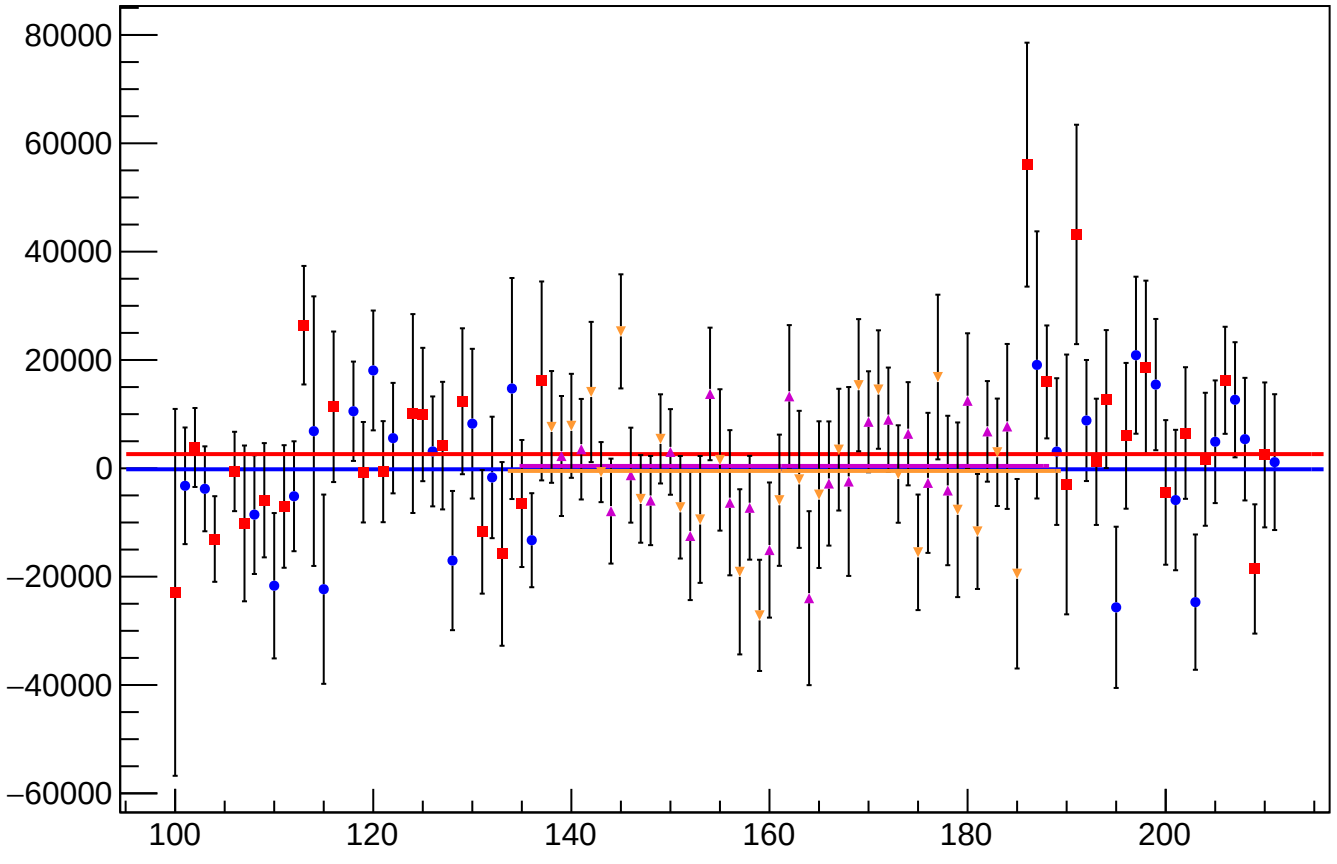
Right Out: 1786.328+/-0.303 χ^2/NDF: 578993.8/32

Left In: 1923.042+/-0.318 χ^2/NDF:150984.8/22

+ sign 1840.729+/-0.219 χ^2/NDF: 899993.7/52

All: 1846.010+/-0.155 χ^2/NDF: 1727814.5/10

- sign 1851.342+/-0.220 χ^2/NDF: 826647.3/55



Right In: -177.559+/-2224.507 χ^2/NDF: 28.8/27

Left Out: -479.345+/-2089.238 χ^2/NDF:28.8/24

Right Out: 2624.899+/-2056.393 χ^2/NDF: 35.7/32

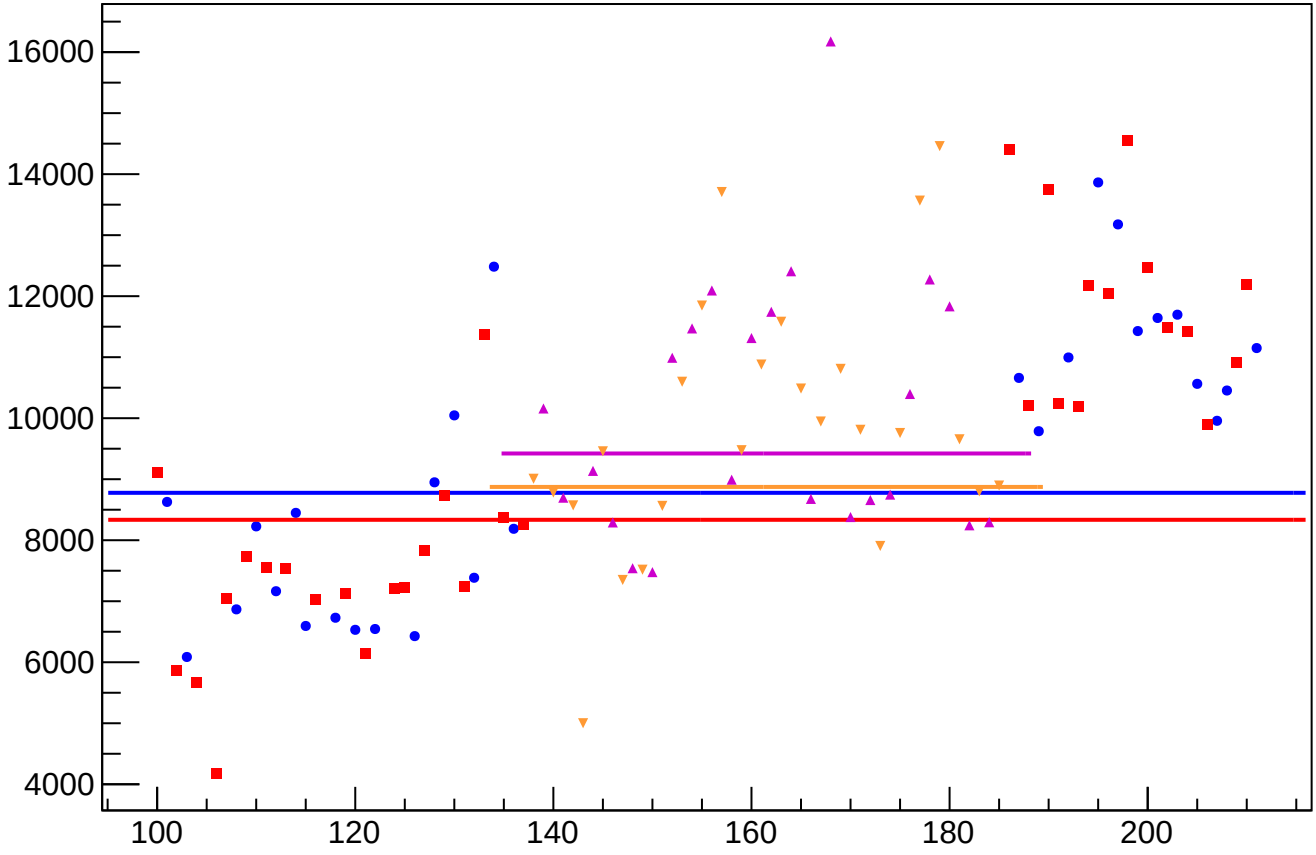
Left In: 436.720+/-2245.183 χ^2/NDF:13.6/22

+ sign -337.906+/-1522.891 χ^2/NDF: 57.6/52

All: 648.543+/-1074.561 χ^2/NDF: 108.3/108

- sign 1626.661+/-1516.448 χ^2/NDF: 49.8/55

asym_at2_avg_eigen_dit_correction_rms vs Slug



Right In: 8777.093+/-1.573 χ^2/NDF: 1903027.7/27

Left Out: 8873.607+/-1.477 χ^2/NDF:2203251.2/24

Right Out: 8334.792+/-1.454 χ^2/NDF: 3199409.0/32

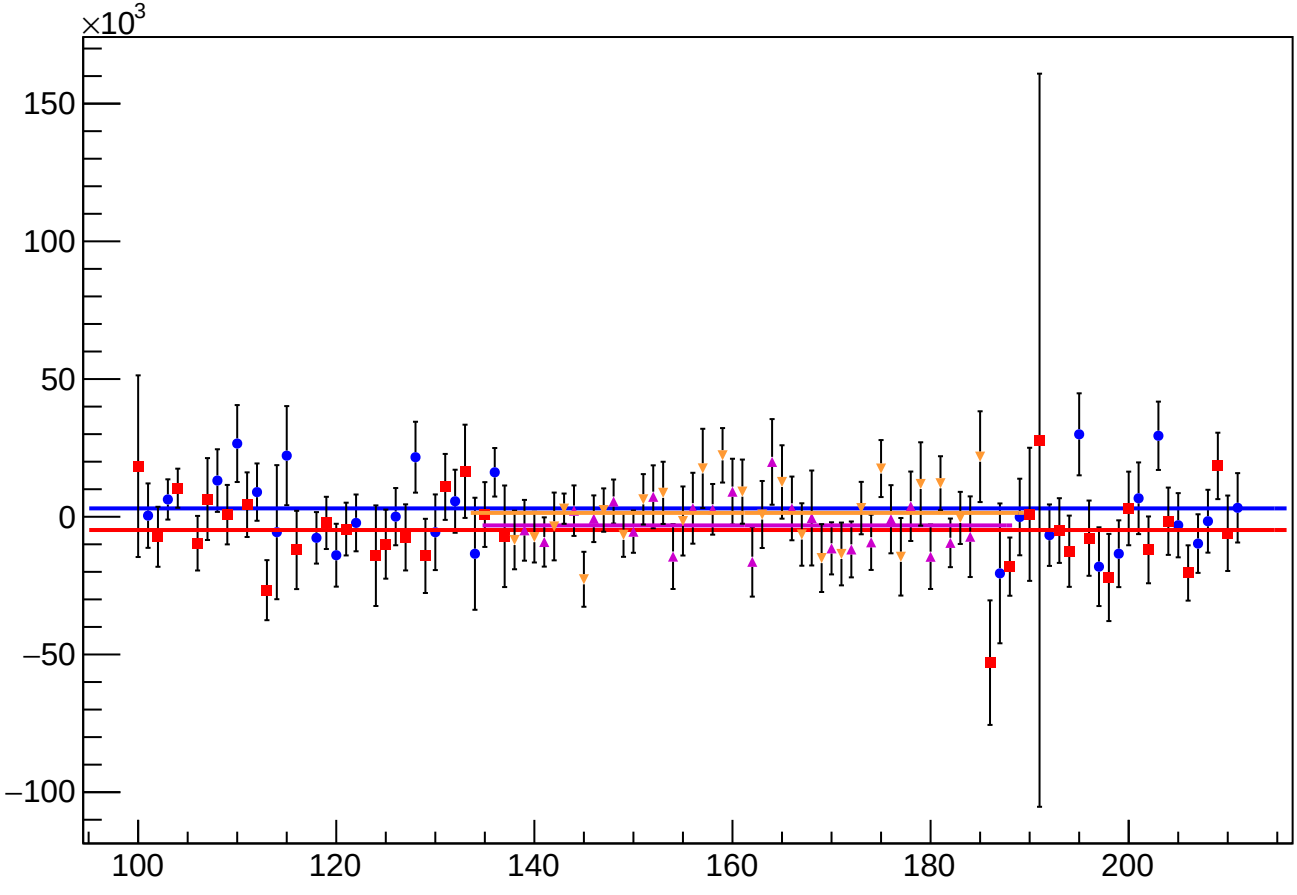
Left In: 9421.722+/-1.588 χ^2/NDF:1204851.9/22

+ sign 8828.373+/-1.077 χ^2/NDF: 4108279.2/52

All: 8829.514+/-0.760 χ^2/NDF: 8767443.9/10

- sign 8830.644+/-1.072 χ^2/NDF: 4659162.4/55

asym_at2_avg_mean vs Slug



Right In: 3042.697+/-2244.552 χ^2/NDF: 30.2/27

Left Out: 1408.316+/-2039.907 χ^2/NDF:27.4/24

Right Out: -4809.350+/-2161.128 χ^2/NDF: 30.4/32

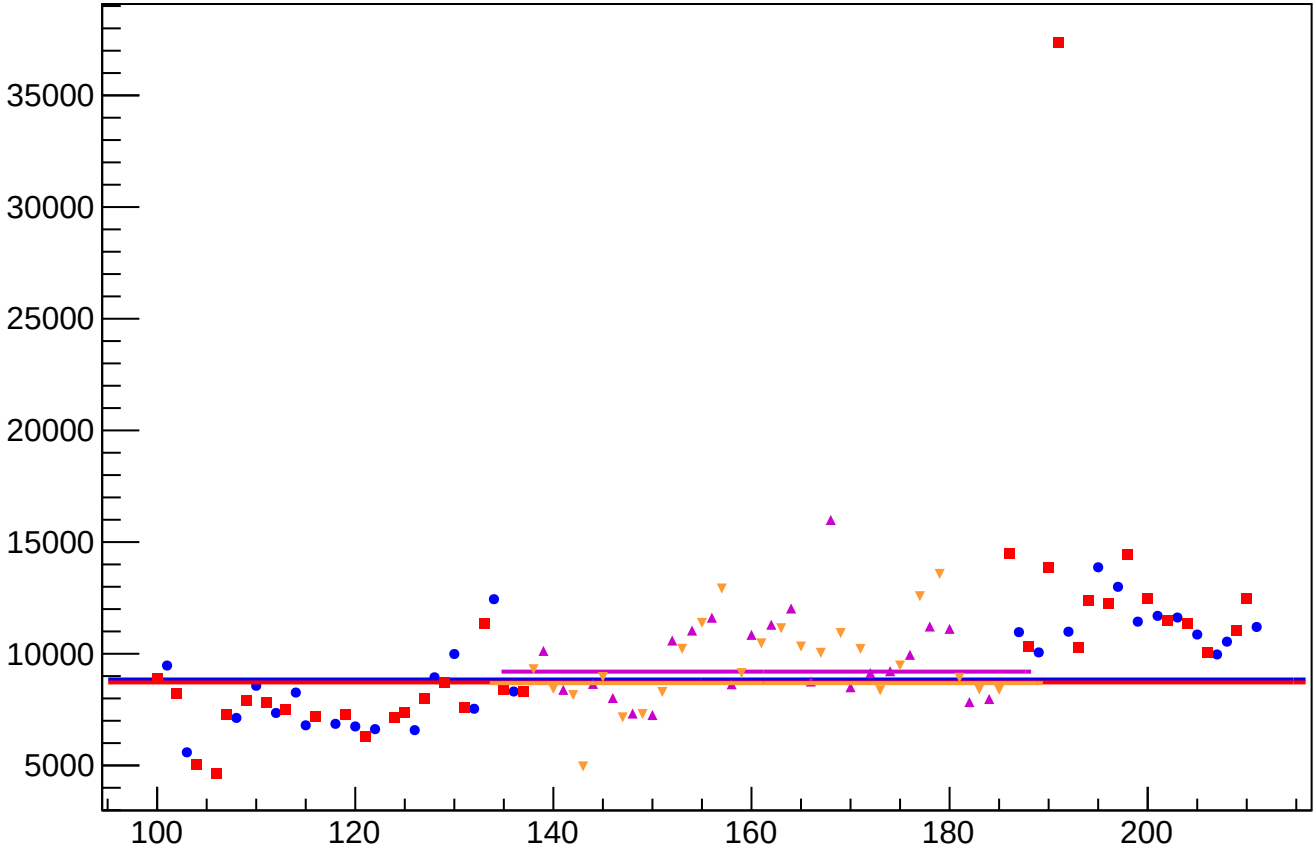
Left In: -3139.264+/-2189.465 χ^2/NDF:13.0/22

+ sign 2147.619+/-1509.608 χ^2/NDF: 57.9/52

All: -861.517+/-1077.376 χ^2/NDF: 109.7/108

- sign -3985.184+/-1538.069 χ^2/NDF: 43.7/55

asym_at2_avg_rms vs Slug



Right In: 8848.208+/-1.587 χ^2/NDF: 1956614.6/27

Left Out: 8684.549+/-1.442 χ^2/NDF:2051622.3/24

Right Out: 8716.835+/-1.528 χ^2/NDF: 2819083.8/32

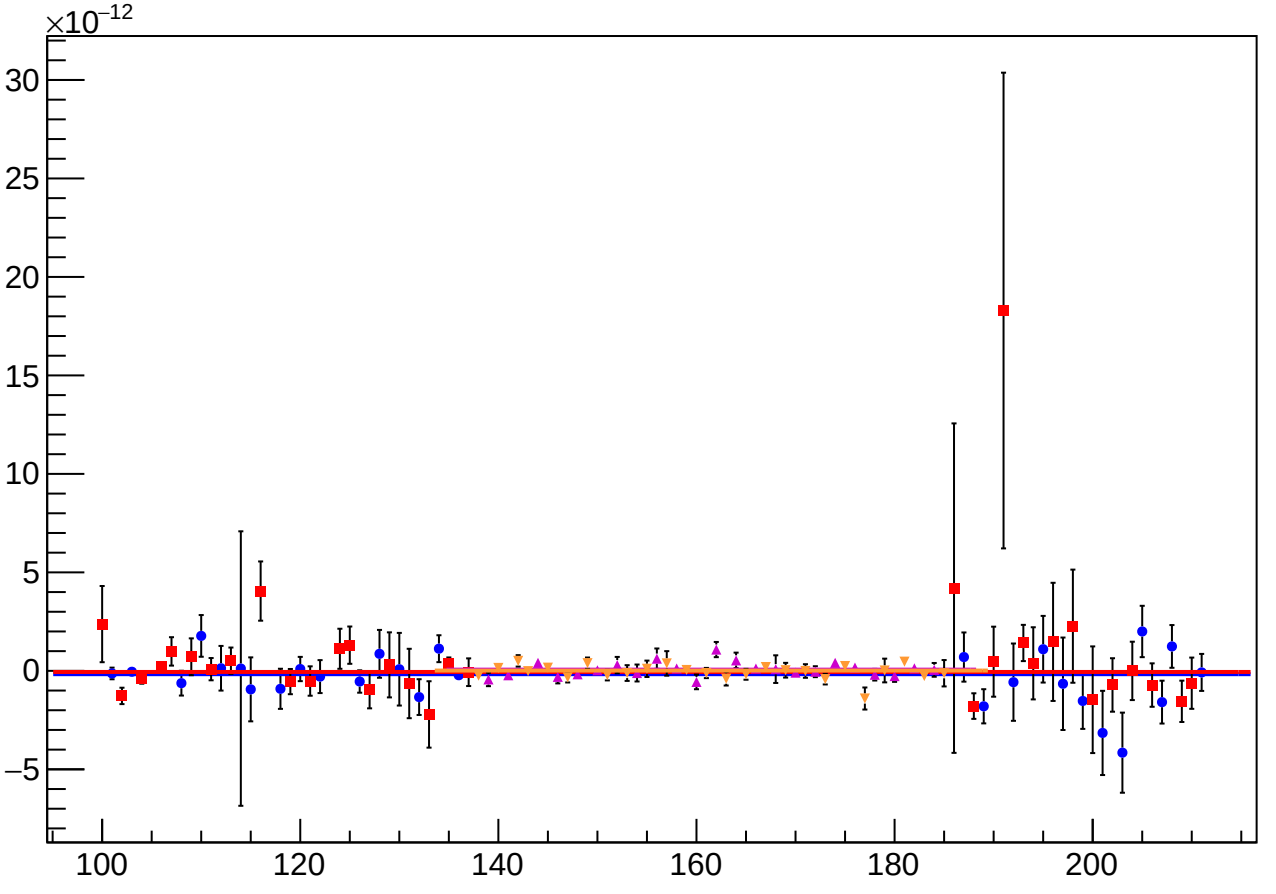
Left In: 9200.796+/-1.548 χ^2/NDF:1129421.3/22

+ sign 8758.580+/-1.067 χ^2/NDF: 4014060.1/52

All: 8855.277+/-0.762 χ^2/NDF: 8028787.3/10

- sign 8955.651+/-1.088 χ^2/NDF: 3998003.1/55

asym_at2_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 29.2/27

Left Out: 0.000+/-0.000 χ^2/NDF:28.8/24

Right Out: -0.000+/-0.000 χ^2/NDF: 49.4/32

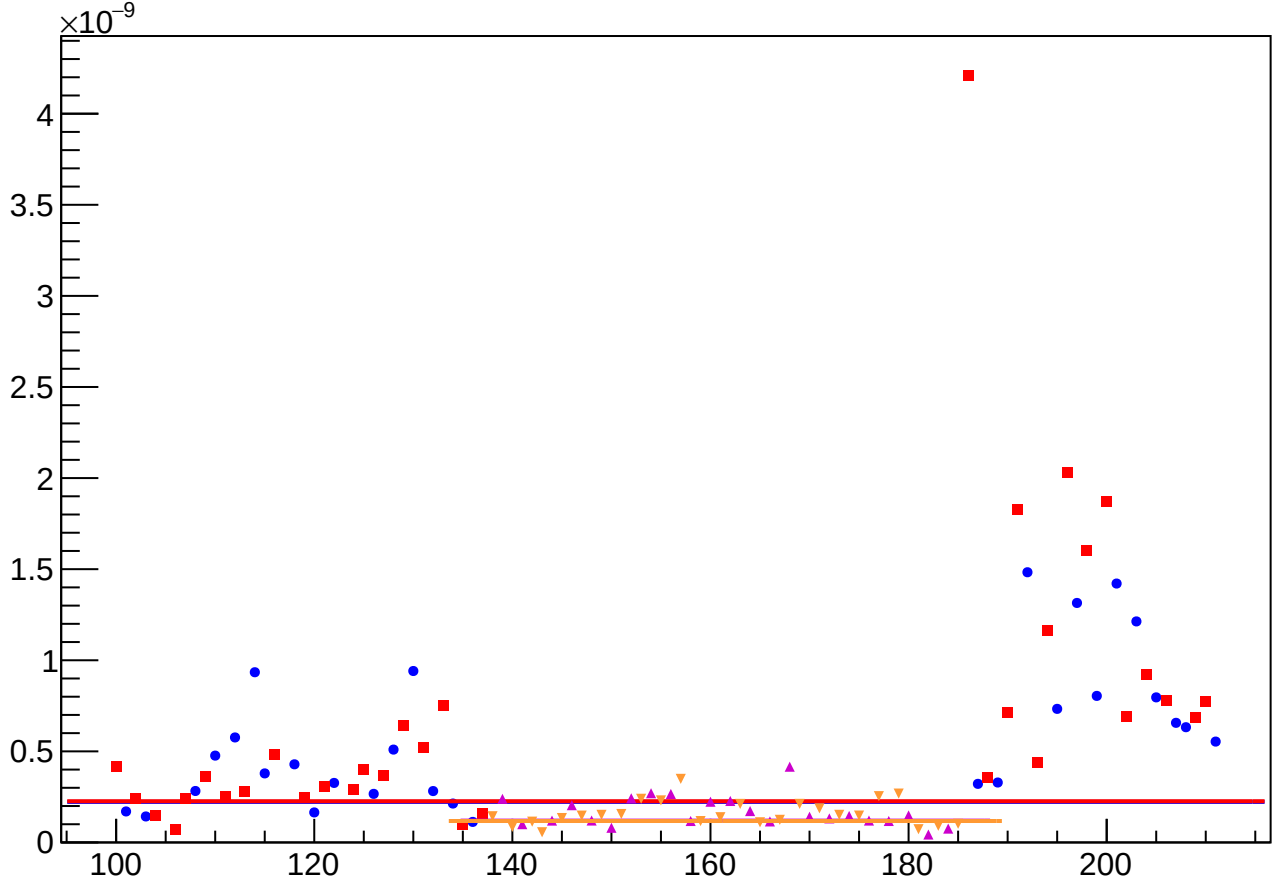
Left In: 0.000+/-0.000 χ^2/NDF:27.8/22

+ sign -0.000+/-0.000 χ^2/NDF: 60.2/52

All: 0.000+/-0.000 χ^2/NDF: 139.0/108

- sign 0.000+/-0.000 χ^2/NDF: 78.0/55

asym_at2_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 5974362.0/27

Left Out: 0.000+/-0.000 χ^2/NDF:2335885.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7191013.3/32

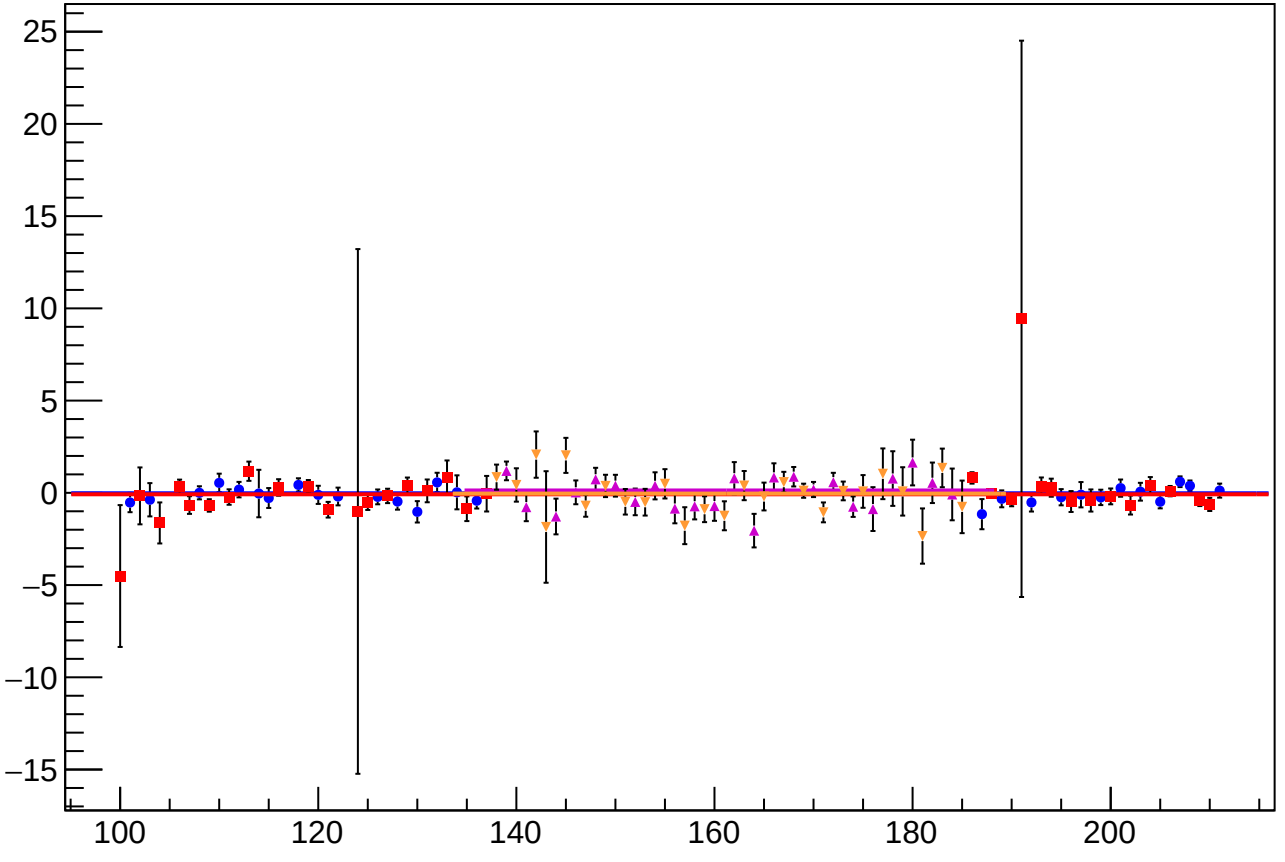
Left In: 0.000+/-0.000 χ^2/NDF:2660632.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 9735686.9/52

All: 0.000+/-0.000 χ^2/NDF: 20989626.0/108

- sign 0.000+/-0.000 χ^2/NDF: 11247821.9/55

asym_at2_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.024+/-0.085 χ^2/NDF: 23.8/27

Left Out: -0.041+/-0.148 χ^2/NDF:30.1/24

Right Out: -0.080+/-0.074 χ^2/NDF: 43.3/32

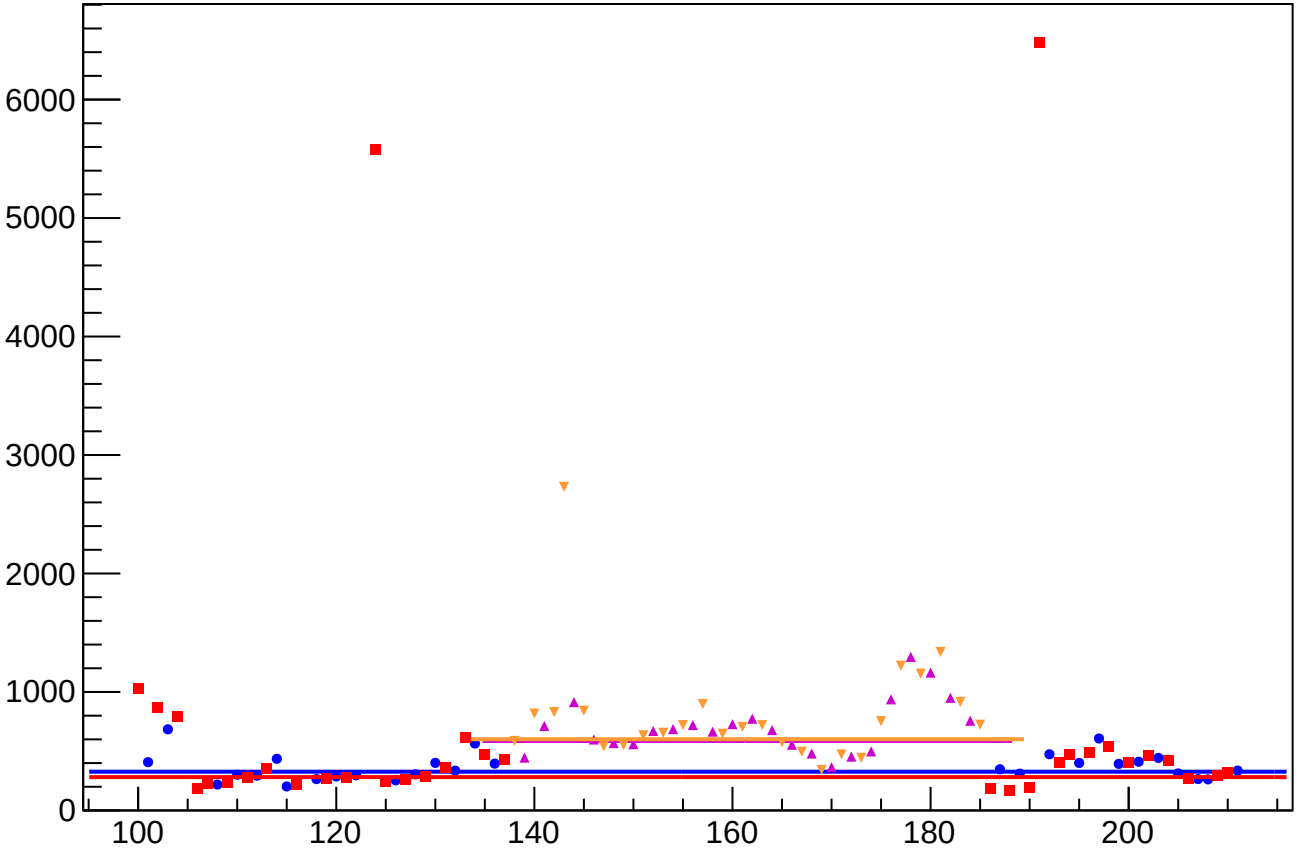
Left In: 0.128+/-0.145 χ^2/NDF:29.0/22

+ sign -0.028+/-0.074 χ^2/NDF: 53.9/52

All: -0.033+/-0.049 χ^2/NDF: 127.8/108

- sign -0.036+/-0.066 χ^2/NDF: 73.9/55

asym_at2_avg_dit_vs_cor_diff_rms vs Slug



Right In: 327.141+/-0.060 χ^2/NDF: 2060791.6/27

Left Out: 601.214+/-0.104 χ^2/NDF:4460456.7/24

Right Out: 281.405+/-0.053 χ^2/NDF: 5013437.7/32

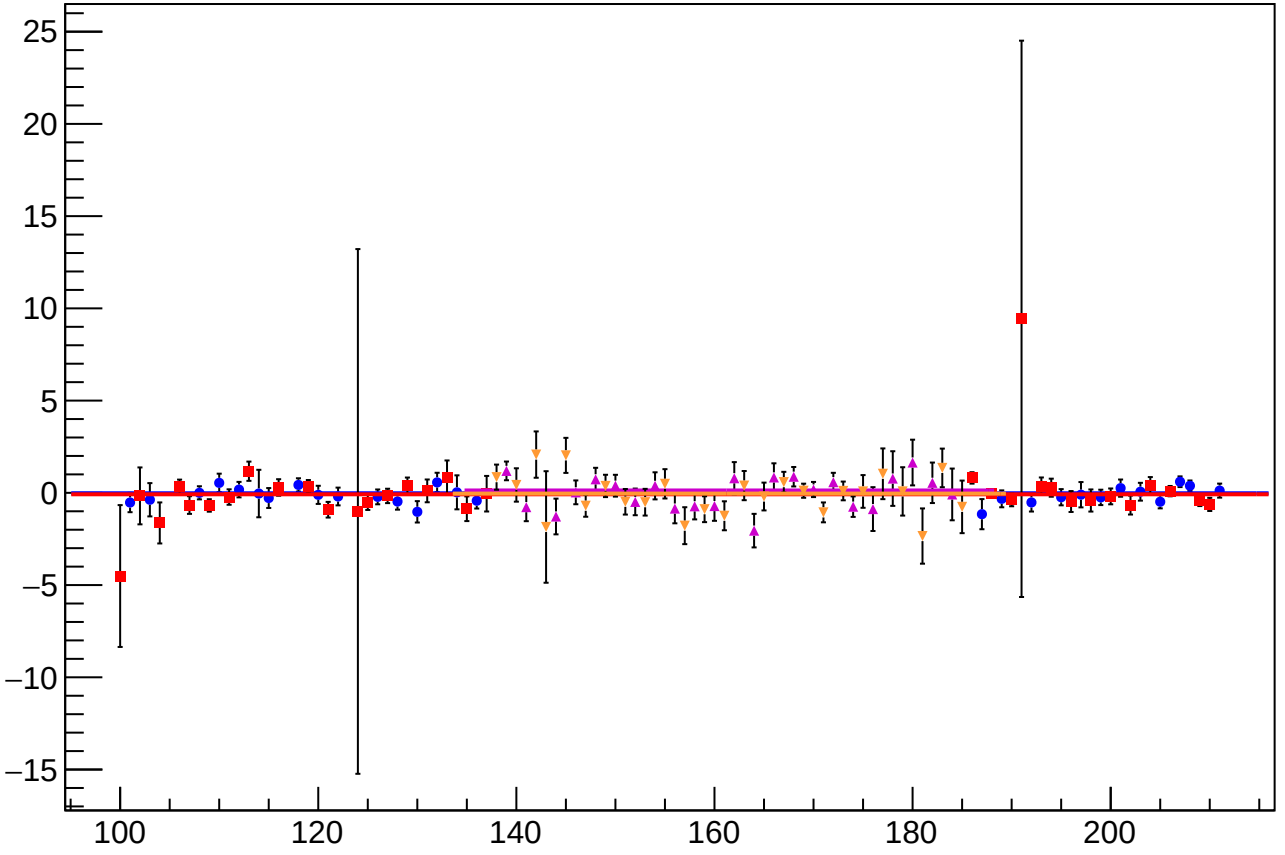
Left In: 586.817+/-0.103 χ^2/NDF:2934488.2/22

+ sign 395.403+/-0.052 χ^2/NDF: 11705468.1/52

All: 367.432+/-0.035 χ^2/NDF: 27186235.1/10

- sign 344.835+/-0.047 χ^2/NDF: 14958827.0/55

asym_at2_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.024+/-0.085 χ^2/NDF: 23.8/27

Left Out: -0.041+/-0.148 χ^2/NDF:30.1/24

Right Out: -0.080+/-0.074 χ^2/NDF: 43.3/32

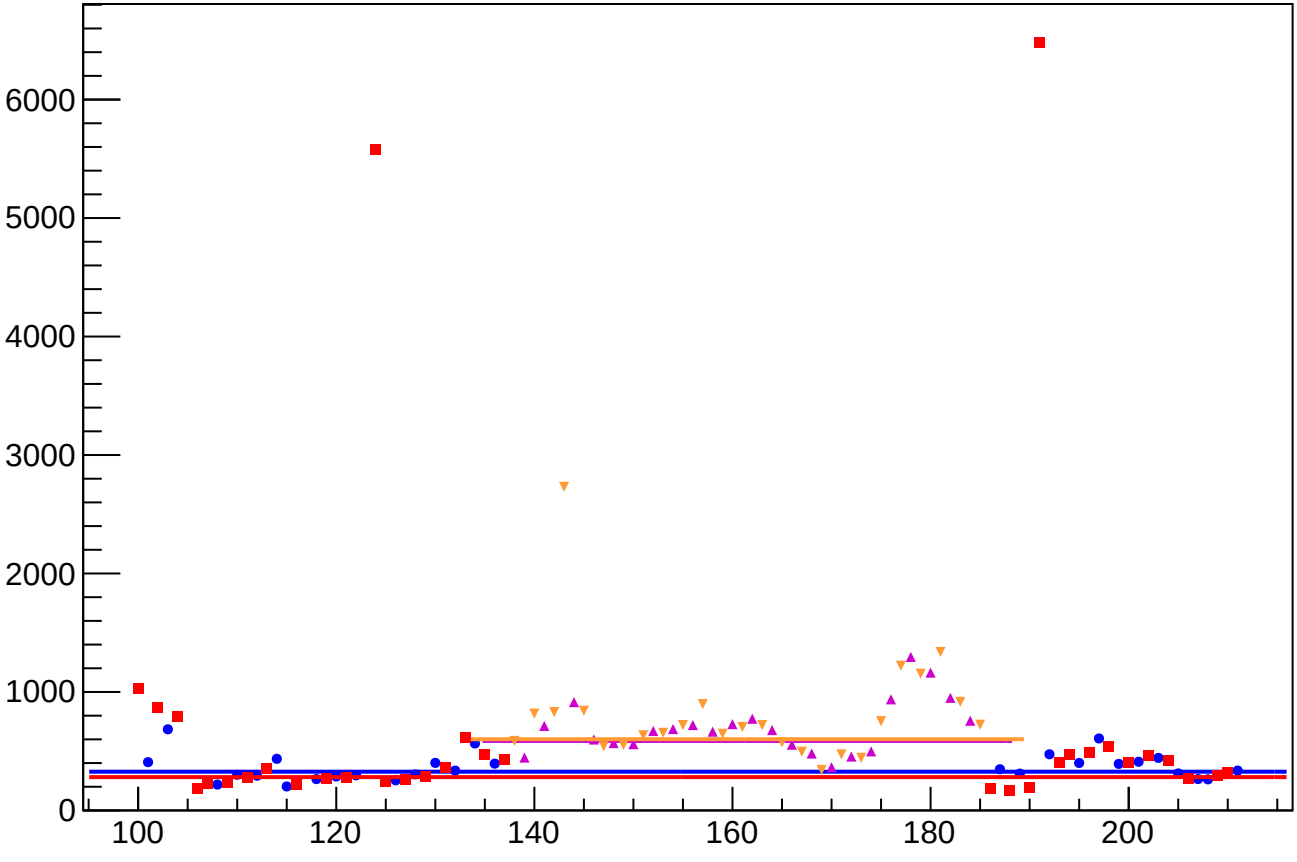
Left In: 0.128+/-0.145 χ^2/NDF:29.0/22

\+ sign -0.028+/-0.074 χ^2/NDF: 53.9/52

All: -0.033+/-0.049 χ^2/NDF: 127.8/108

\- sign -0.036+/-0.066 χ^2/NDF: 73.9/55

asym_at2_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 327.141+/-0.060 χ^2/NDF: 2060791.6/27

Left Out: 601.214+/-0.104 χ^2/NDF:4460456.7/24

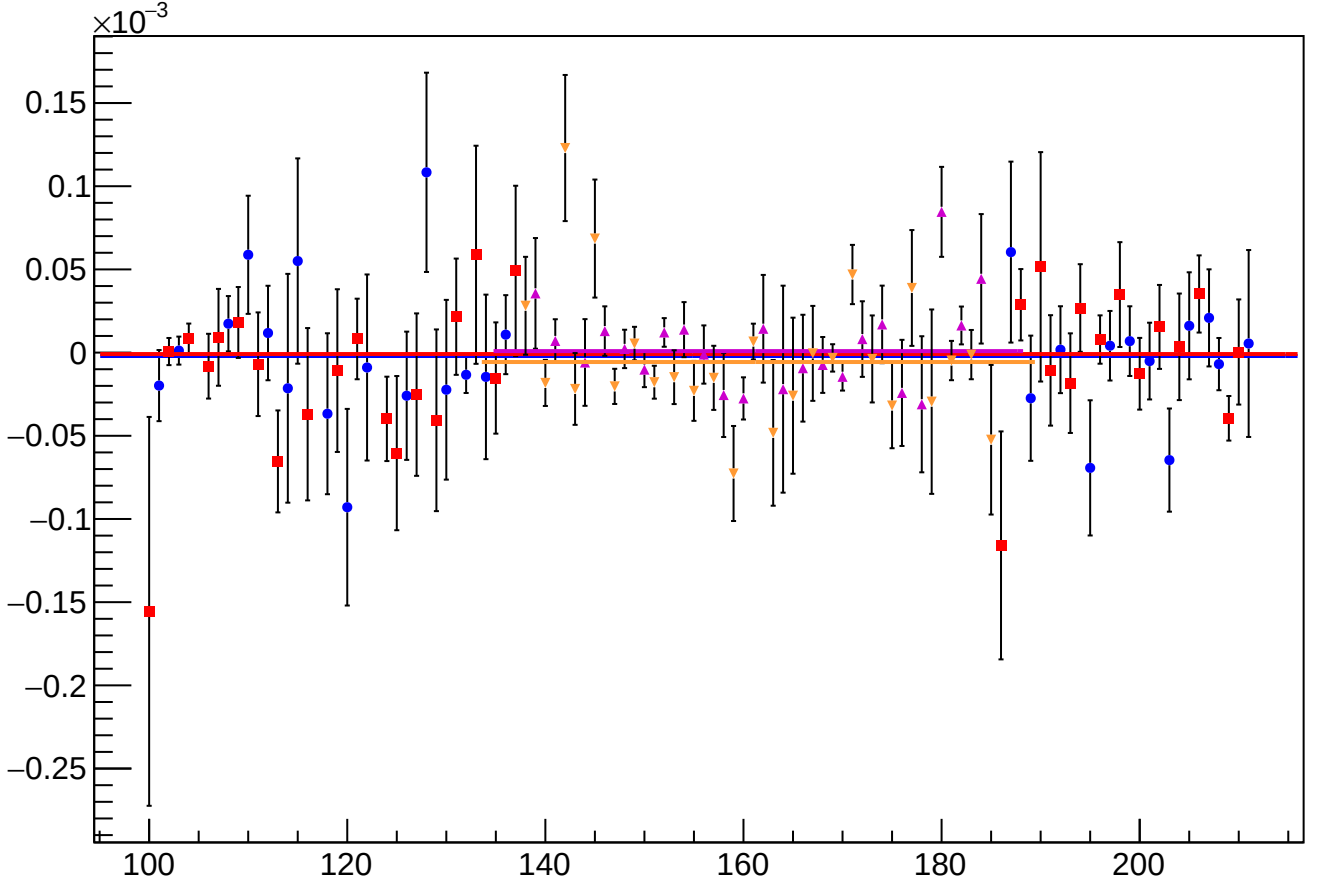
Right Out: 281.405+/-0.053 χ^2/NDF: 5013437.7/32

Left In: 586.817+/-0.103 χ^2/NDF:2934488.2/22

+ sign 395.403+/-0.052 χ^2/NDF: 11705468.1/52

All: 367.432+/-0.035 χ^2/NDF: 27186235.1/10

- sign 344.835+/-0.047 χ^2/NDF: 14958827.0/55



Right In: -0.000+/-0.000 χ^2/NDF: 24.5/27

Left Out: -0.000+/-0.000 χ^2/NDF:42.6/24

Right Out: -0.000+/-0.000 χ^2/NDF: 36.1/32

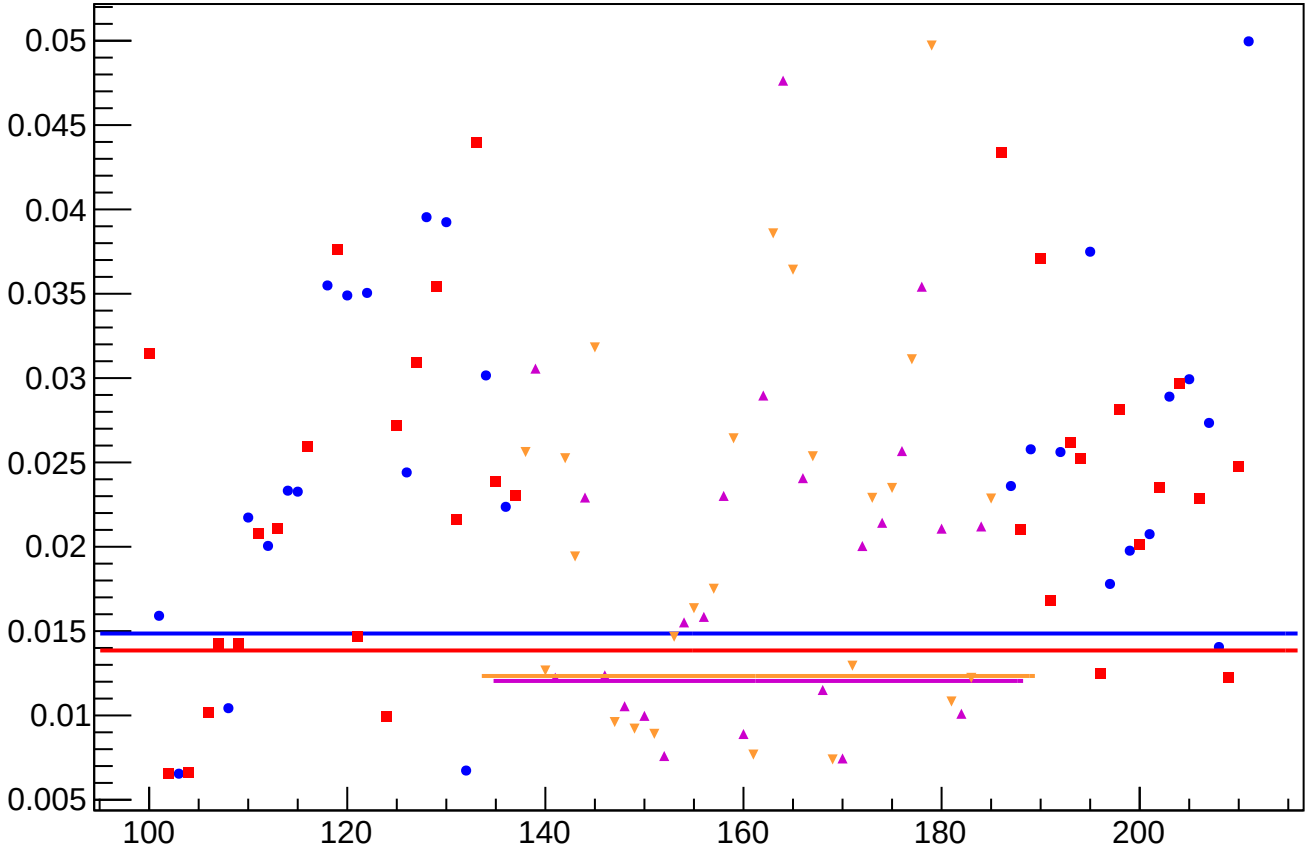
Left In: 0.000+/-0.000 χ^2/NDF:30.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 67.5/52

All: -0.000+/-0.000 χ^2/NDF: 135.5/108

- sign 0.000+/-0.000 χ^2/NDF: 66.4/55

asym_at2_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.015+/-0.000 χ^2/NDF: 8989684.5/27

Left Out: 0.012+/-0.000 χ^2/NDF:7839123.8/24

Right Out: 0.014+/-0.000 χ^2/NDF: 8774150.0/32

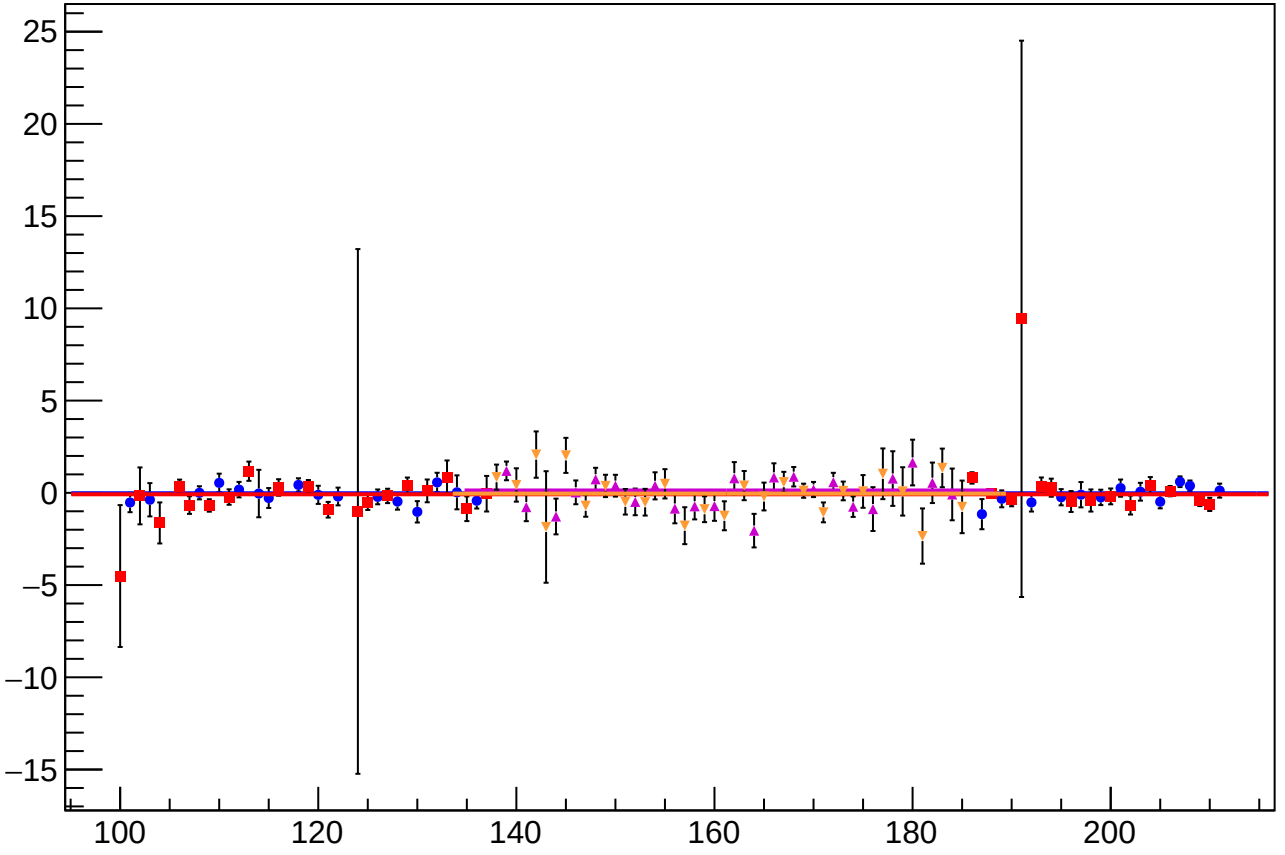
Left In: 0.012+/-0.000 χ^2/NDF:6379401.9/22

+ sign 0.013+/-0.000 χ^2/NDF: 17256659.0/52

All: 0.013+/-0.000 χ^2/NDF: 32694048.0/108

- sign 0.013+/-0.000 χ^2/NDF: 15408908.2/55

asym_at2_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.024+/-0.085 χ^2/NDF: 23.8/27

Left Out: -0.041+/-0.148 χ^2/NDF:30.1/24

Right Out: -0.080+/-0.074 χ^2/NDF: 43.3/32

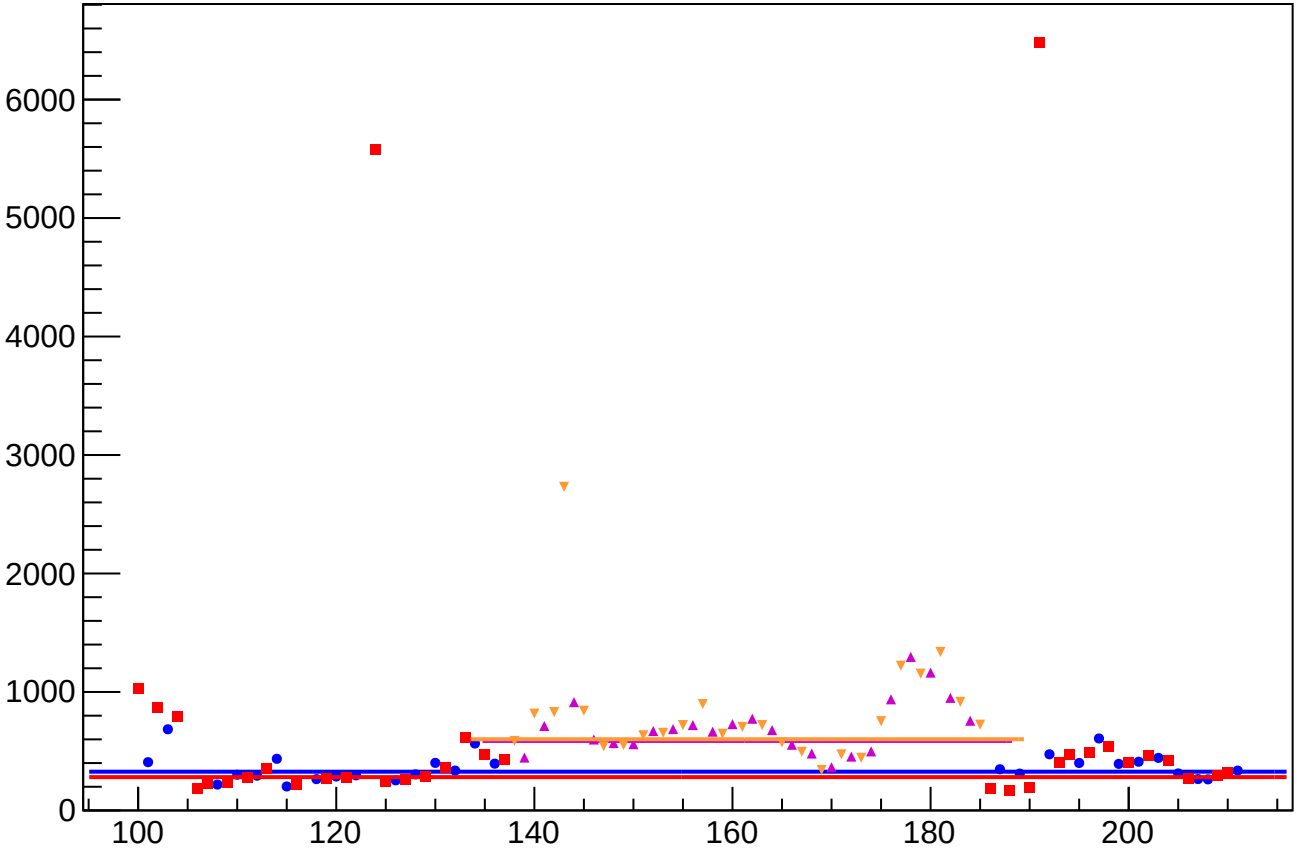
Left In: 0.128+/-0.145 χ^2/NDF:29.0/22

+ sign -0.028+/-0.074 χ^2/NDF: 53.9/52

All: -0.033+/-0.049 χ^2/NDF: 127.8/108

- sign -0.036+/-0.066 χ^2/NDF: 73.9/55

asym_at2_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 327.141+/-0.060 χ^2/NDF: 2060773.5/27

Left Out: 601.214+/-0.104 χ^2/NDF:4460662.1/24

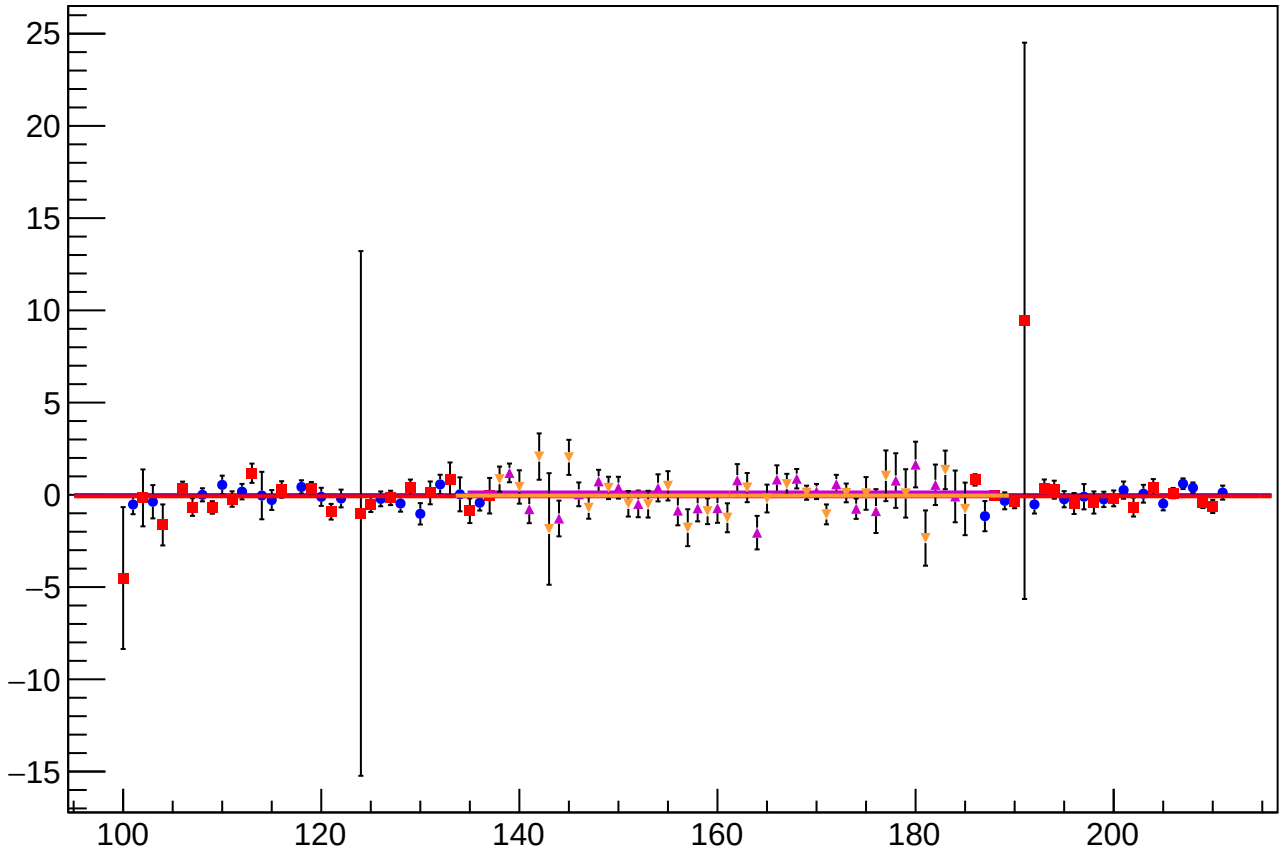
Right Out: 281.399+/-0.053 χ^2/NDF: 5013756.8/32

Left In: 586.820+/-0.103 χ^2/NDF:2934613.3/22

+ sign 395.403+/-0.052 χ^2/NDF: 11705631.6/52

All: 367.428+/-0.035 χ^2/NDF: 27187365.0/10

- sign 344.829+/-0.047 χ^2/NDF: 14959655.4/55



Right In: -0.024+/-0.085 χ^2/NDF: 23.8/27

Left Out: -0.041+/-0.148 χ^2/NDF:30.1/24

Right Out: -0.080+/-0.074 χ^2/NDF: 43.3/32

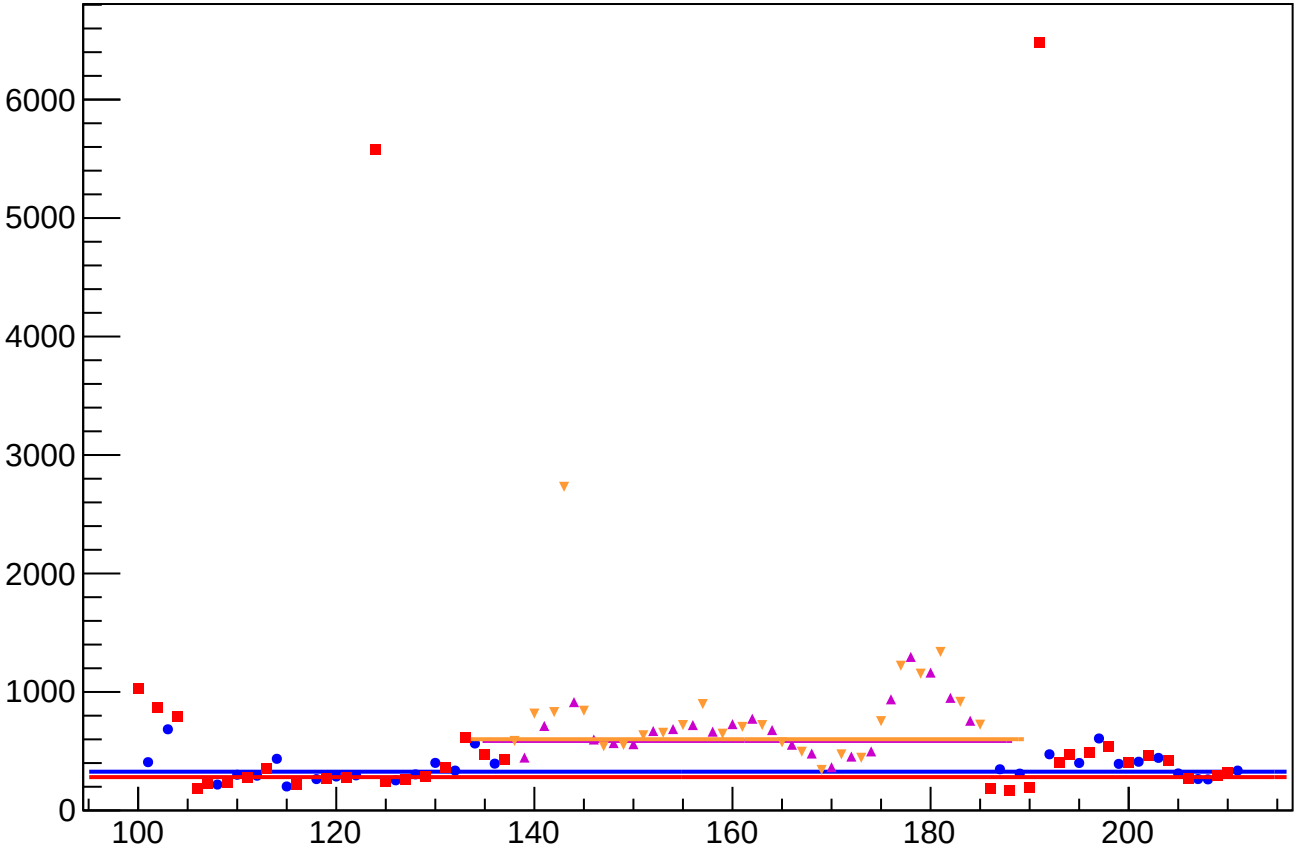
Left In: 0.128+/-0.145 χ^2/NDF:29.0/22

+ sign -0.028+/-0.074 χ^2/NDF: 53.9/52

All: -0.033+/-0.049 χ^2/NDF: 127.8/108

- sign -0.036+/-0.066 χ^2/NDF: 73.9/55

asym_at2_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 327.141+/-0.060 χ^2/NDF: 2060773.5/27

Left Out: 601.214+/-0.104 χ^2/NDF:4460662.1/24

Right Out: 281.399+/-0.053 χ^2/NDF: 5013756.8/32

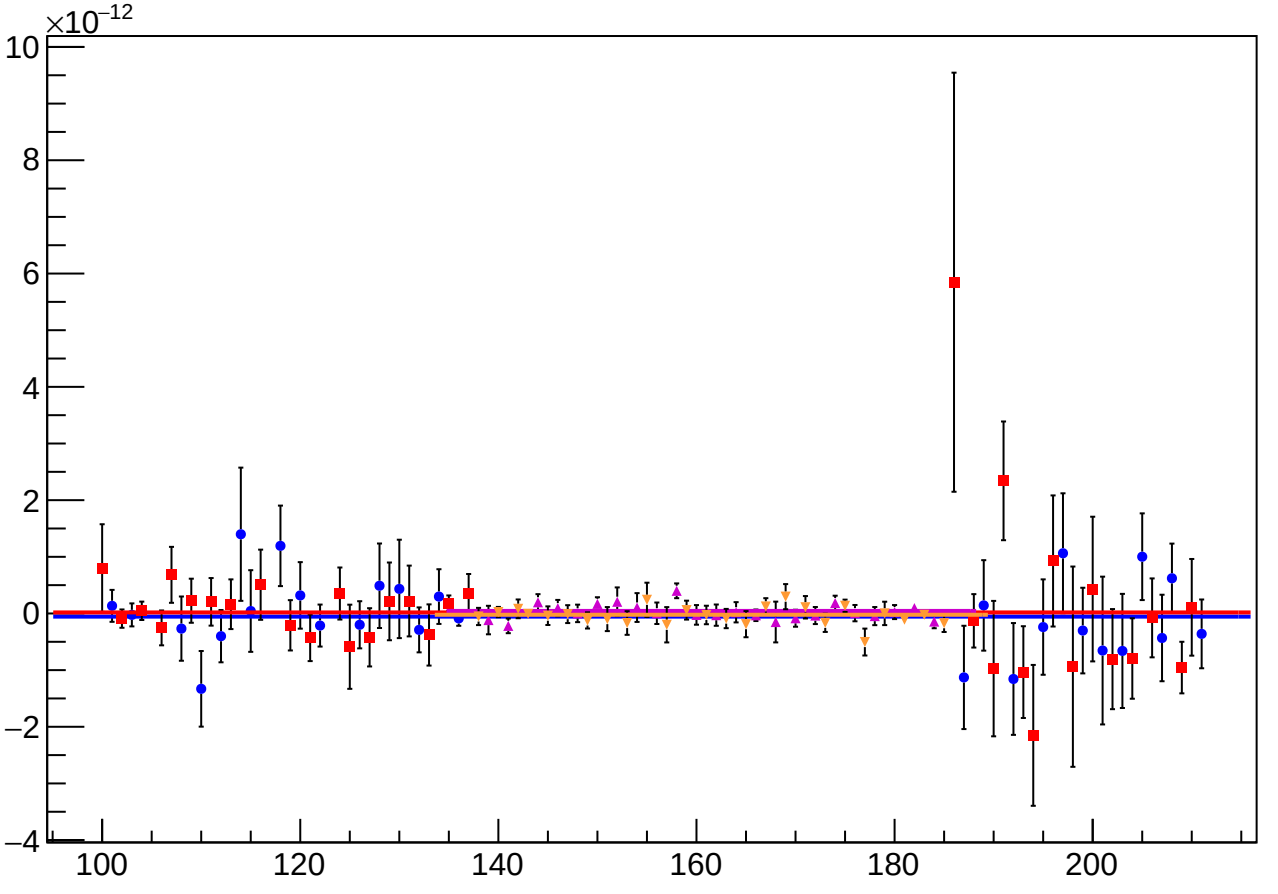
Left In: 586.820+/-0.103 χ^2/NDF:2934613.3/22

+ sign 395.403+/-0.052 χ^2/NDF: 11705631.6/52

All: 367.428+/-0.035 χ^2/NDF: 27187365.0/10

- sign 344.829+/-0.047 χ^2/NDF: 14959655.4/55

asym_at2_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 20.1/27

Left Out: -0.000+/-0.000 χ^2/NDF:16.4/24

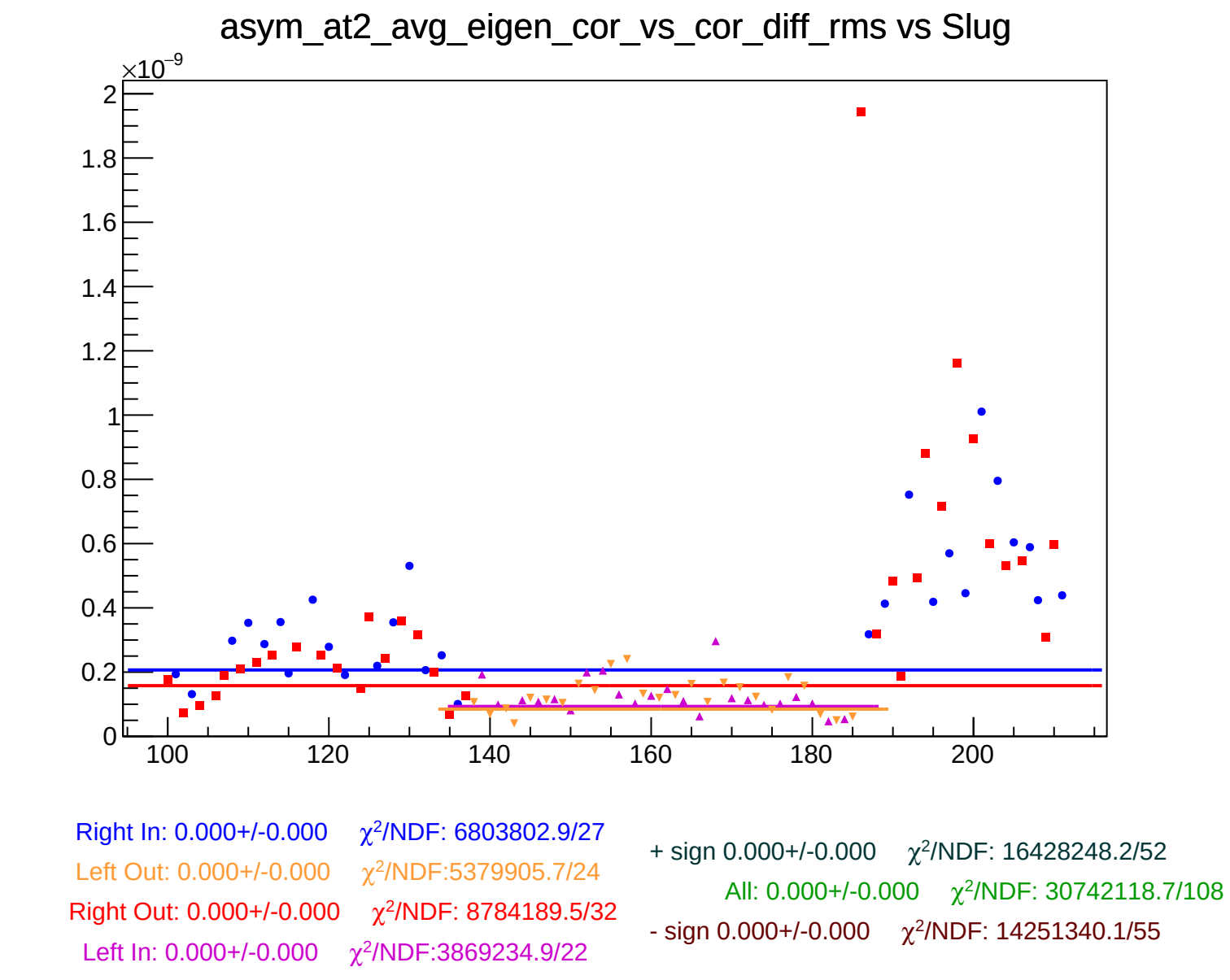
Right Out: 0.000+/-0.000 χ^2/NDF: 32.5/32

Left In: 0.000+/-0.000 χ^2/NDF:22.0/22

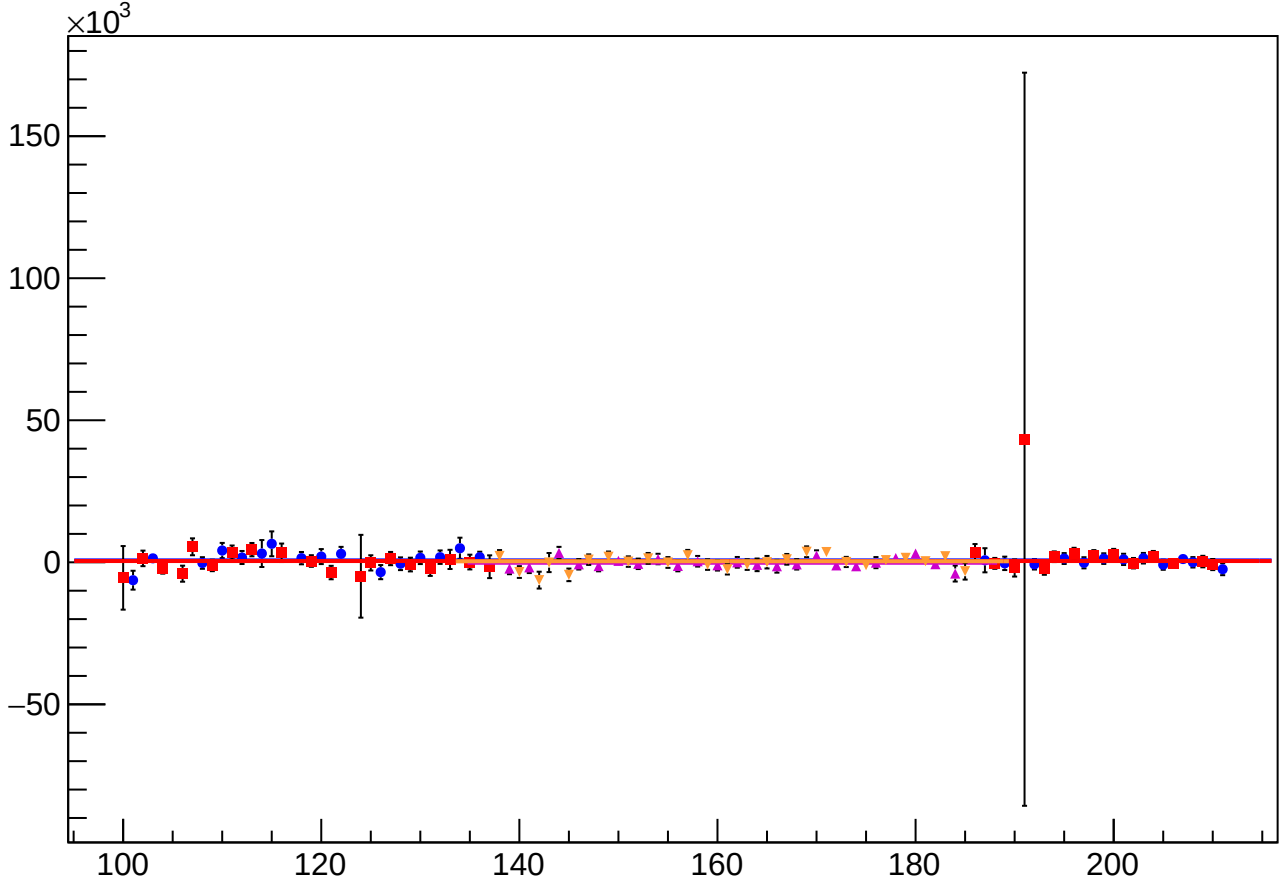
+ sign -0.000+/-0.000 χ^2/NDF: 36.6/52

All: 0.000+/-0.000 χ^2/NDF: 94.7/108

- sign 0.000+/-0.000 χ^2/NDF: 54.6/55


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
Right In: 0.000+/-0.000 χ²/NDF: 6803802.9/27
Left Out: 0.000+/-0.000 χ²/NDF:5379905.7/24
Right Out: 0.000+/-0.000 χ²/NDF: 8784189.5/32
Left In: 0.000+/-0.000 χ²/NDF:3869234.9/22
+ sign 0.000+/-0.000 χ²/NDF: 16428248.2/52
All: 0.000+/-0.000 χ²/NDF: 30742118.7/108
- sign 0.000+/-0.000 χ²/NDF: 14251340.1/55

reg_asym_at2_dd_mean vs Slug



Right In: 671.030+/-415.205 χ^2/NDF: 19.6/27

Left Out: 361.645+/-388.131 χ^2/NDF:29.6/24

Right Out: 445.497+/-405.264 χ^2/NDF: 29.3/32

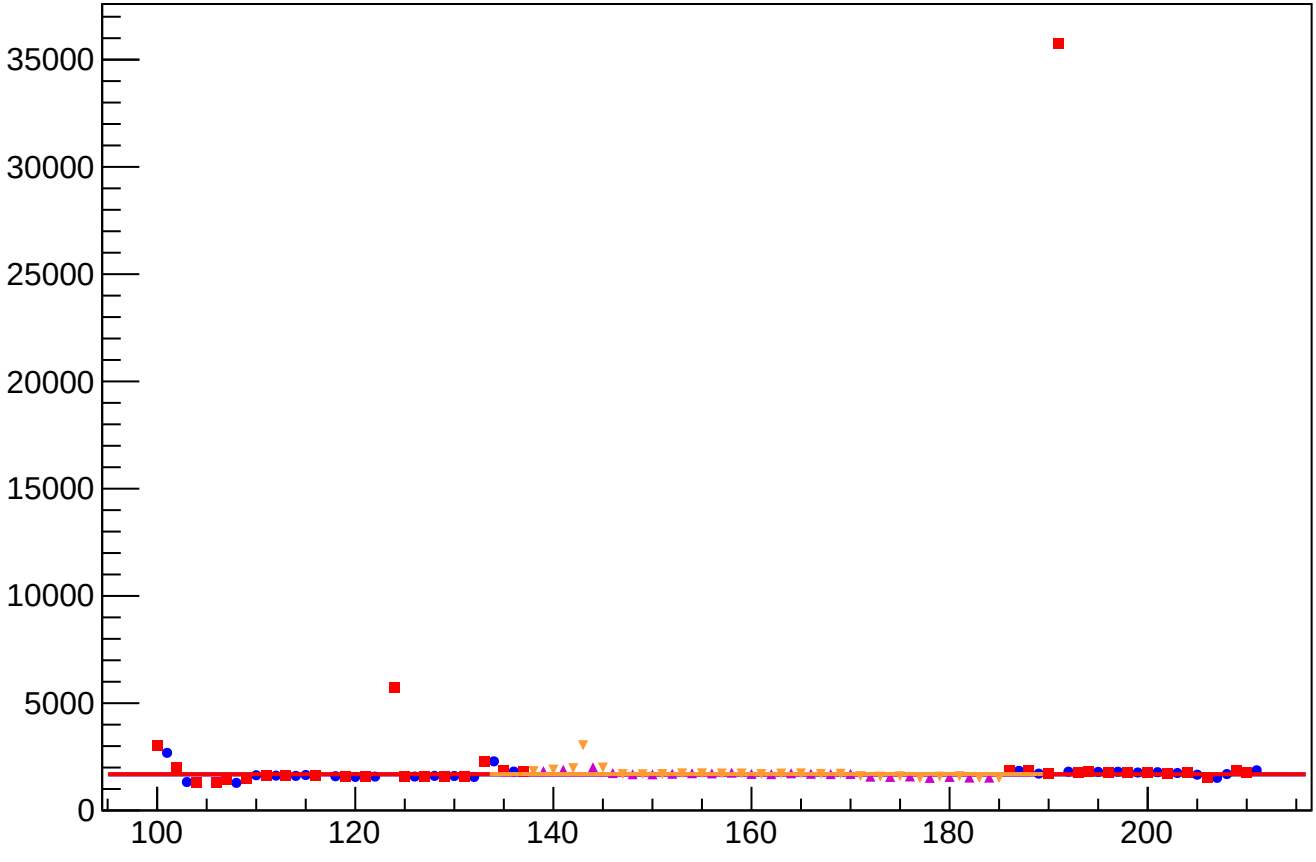
Left In: -157.028+/-394.257 χ^2/NDF:16.0/22

+ sign 505.923+/-283.539 χ^2/NDF: 49.5/52

All: 320.314+/-200.157 χ^2/NDF: 96.8/108

- sign 135.941+/-282.593 χ^2/NDF: 46.5/55

reg_asym_at2_dd_rms vs Slug



Right In: 1678.792+/-0.294 χ^2/NDF: 506136.2/27

Left Out: 1697.496+/-0.274 χ^2/NDF:495397.9/24

Right Out: 1689.632+/-0.287 χ^2/NDF: 714323.1/32

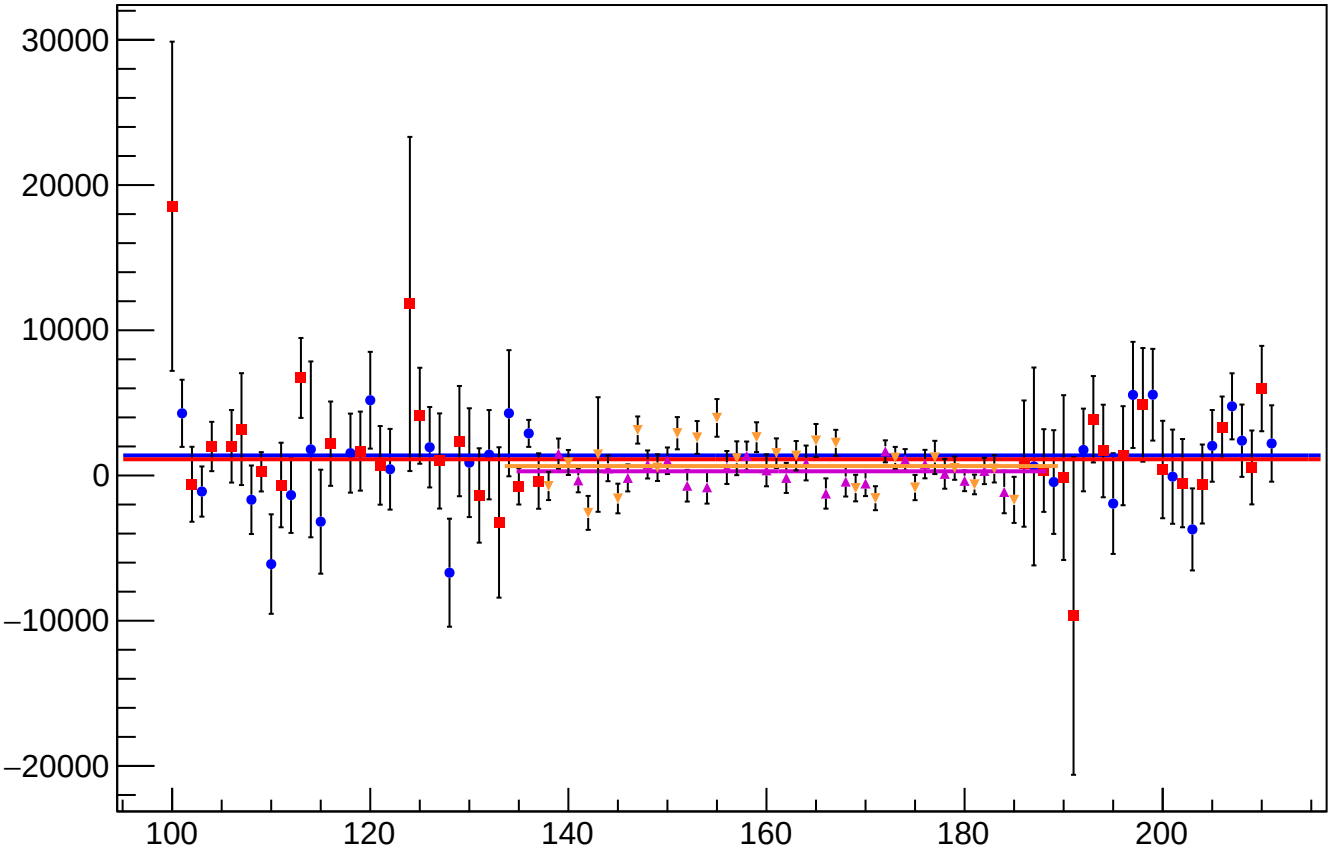
Left In: 1684.577+/-0.279 χ^2/NDF:165355.7/22

+ sign 1688.773+/-0.200 χ^2/NDF: 1003699.9/52

All: 1687.901+/-0.142 χ^2/NDF: 1883576.3/10

- sign 1687.035+/-0.200 χ^2/NDF: 879838.7/55

asym_at2_dd_reg_correction_mean vs Slug



Right In: 1380.231+/-479.602 χ^2/NDF: 32.4/27

Left Out: 649.165+/-195.671 χ^2/NDF:65.5/24

Right Out: 1116.761+/-465.315 χ^2/NDF: 22.0/32

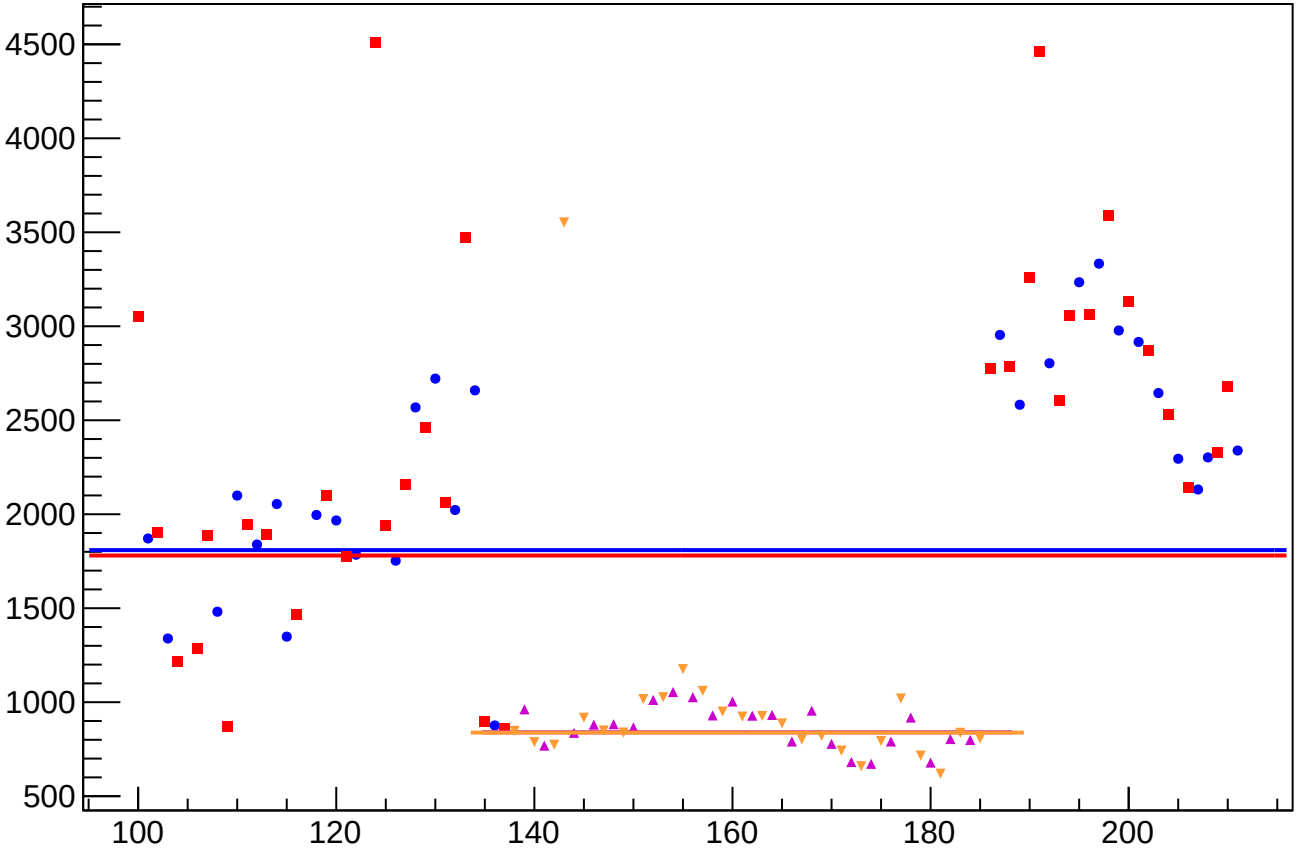
Left In: 288.616+/-198.494 χ^2/NDF:16.6/22

+ sign 753.488+/-181.172 χ^2/NDF: 99.9/52

All: 586.102+/-128.602 χ^2/NDF: 142.8/108

- sign 416.113+/-182.576 χ^2/NDF: 41.2/55

asym_at2_dd_reg_correction_rms vs Slug



Right In: 1809.085+/-0.339 χ^2/NDF: 4592202.6/27

Left Out: 838.243+/-0.138 χ^2/NDF:1800245.5/24

Right Out: 1780.368+/-0.329 χ^2/NDF: 6049904.3/32

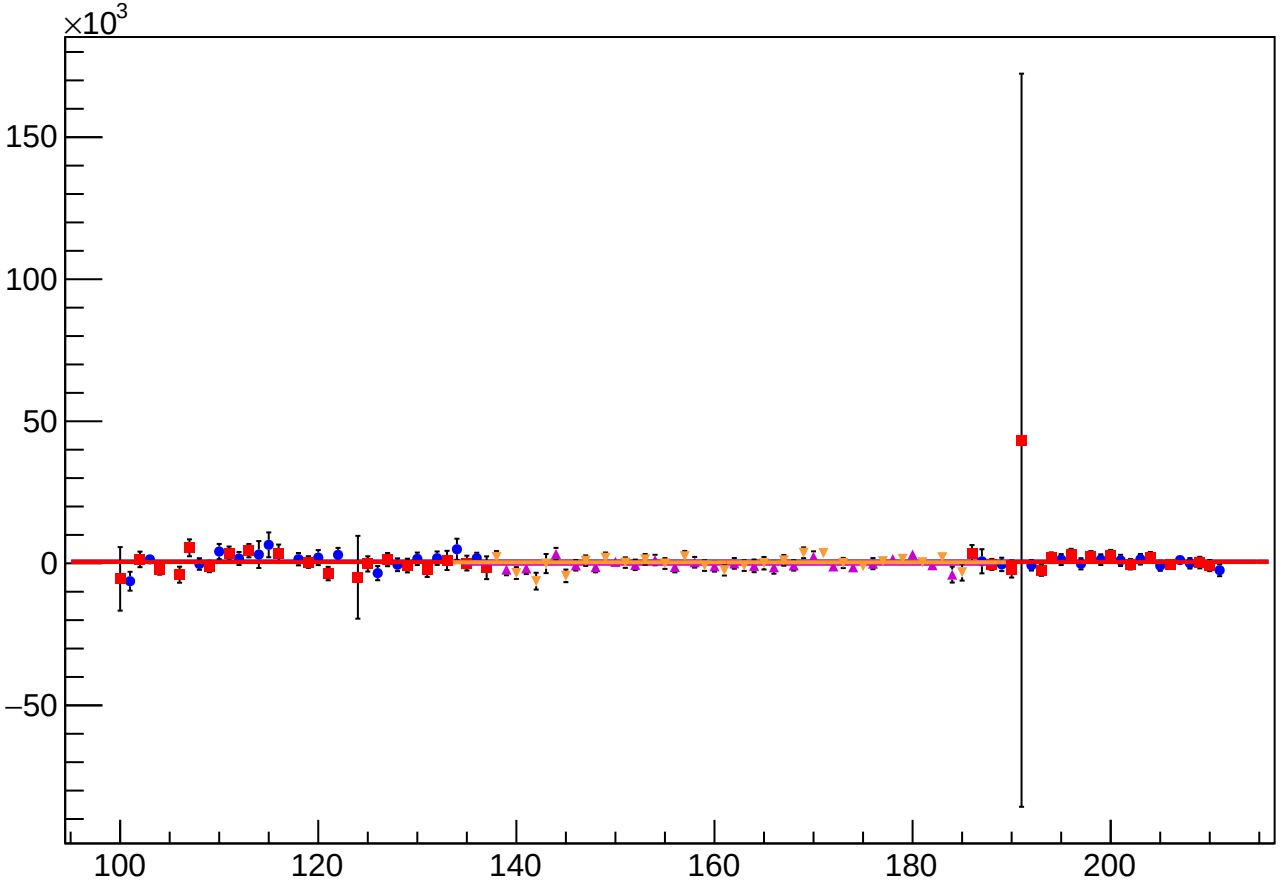
Left In: 839.976+/-0.140 χ^2/NDF:669341.7/22

+ sign 976.781+/-0.128 χ^2/NDF: 13418287.5/52

All: 980.737+/-0.091 χ^2/NDF: 27050563.8/10

- sign 984.754+/-0.129 χ^2/NDF: 13630354.4/55

cor_asym_at2_dd_mean vs Slug



Right In: 671.083+/-415.205 χ^2/NDF: 19.6/27

Left Out: 361.560+/-388.131 χ^2/NDF:29.6/24

Right Out: 445.617+/-405.264 χ^2/NDF: 29.3/32

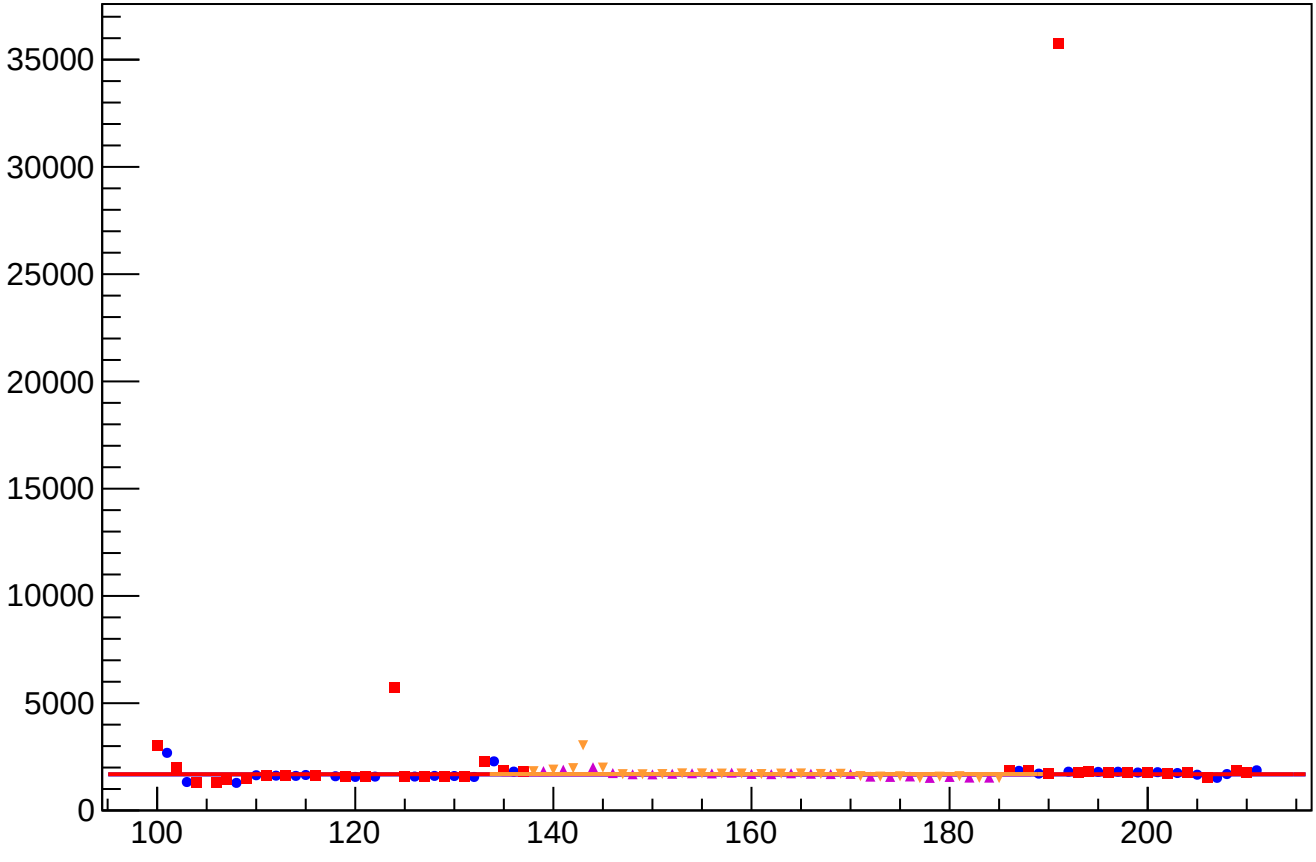
Left In: -156.934+/-394.258 χ^2/NDF:16.0/22

+ sign 505.902+/-283.539 χ^2/NDF: 49.5/52

All: 320.357+/-200.157 χ^2/NDF: 96.8/108

- sign 136.048+/-282.593 χ^2/NDF: 46.5/55

cor_asym_at2_dd_rms vs Slug



Right In: 1678.792+/-0.294 χ^2/NDF: 506136.5/27

Left Out: 1697.496+/-0.274 χ^2/NDF:495397.9/24

Right Out: 1689.632+/-0.287 χ^2/NDF: 714323.2/32

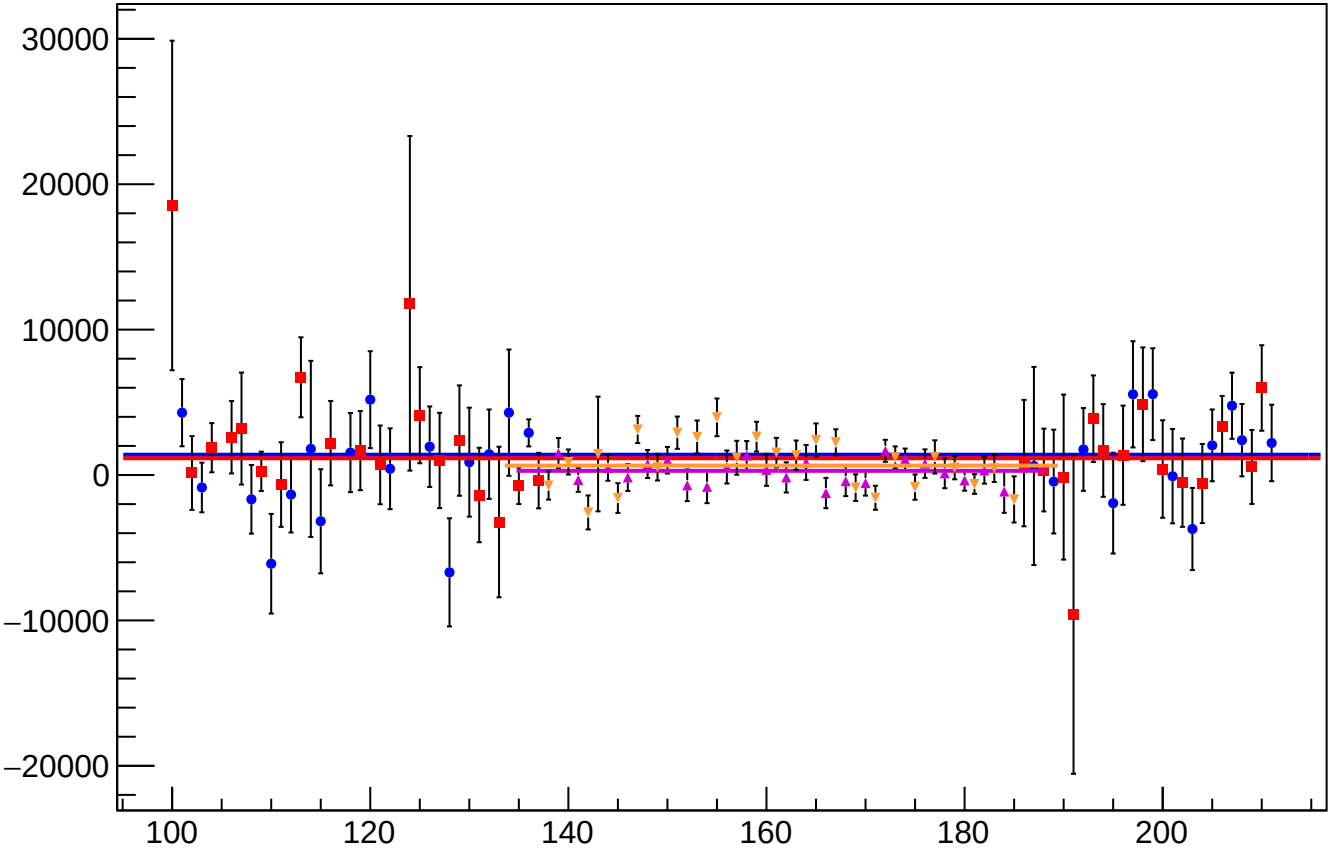
Left In: 1684.577+/-0.279 χ^2/NDF:165355.7/22

+ sign 1688.773+/-0.200 χ^2/NDF: 1003700.3/52

All: 1687.901+/-0.142 χ^2/NDF: 1883576.7/10

- sign 1687.035+/-0.200 χ^2/NDF: 879838.8/55

asym_at2_dd_cor_correction_mean vs Slug



Right In: 1395.590+/-479.135 χ^2/NDF: 32.0/27

Left Out: 649.165+/-195.673 χ^2/NDF:65.5/24

Right Out: 1152.375+/-464.866 χ^2/NDF: 21.8/32

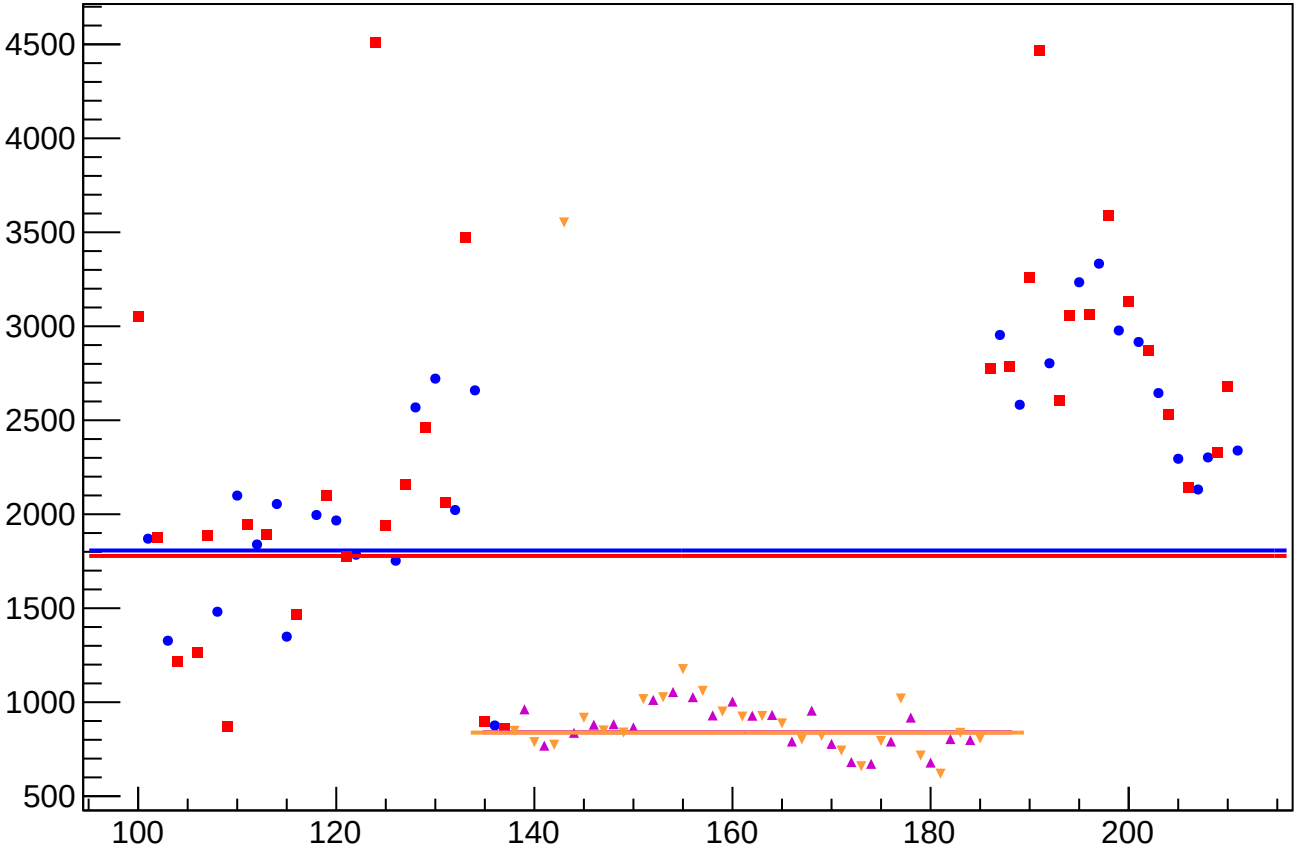
Left In: 288.602+/-198.495 χ^2/NDF:16.6/22

\+ sign 755.860+/-181.149 χ^2/NDF: 99.6/52

All: 590.117+/-128.584 χ^2/NDF: 142.6/108

\- sign 421.802+/-182.549 χ^2/NDF: 41.3/55

asym_at2_dd_cor_correction_rms vs Slug



Right In: 1807.226+/-0.339 χ^2/NDF: 4603424.2/27

Left Out: 838.254+/-0.138 χ^2/NDF:1800138.0/24

Right Out: 1778.171+/-0.329 χ^2/NDF: 6059282.4/32

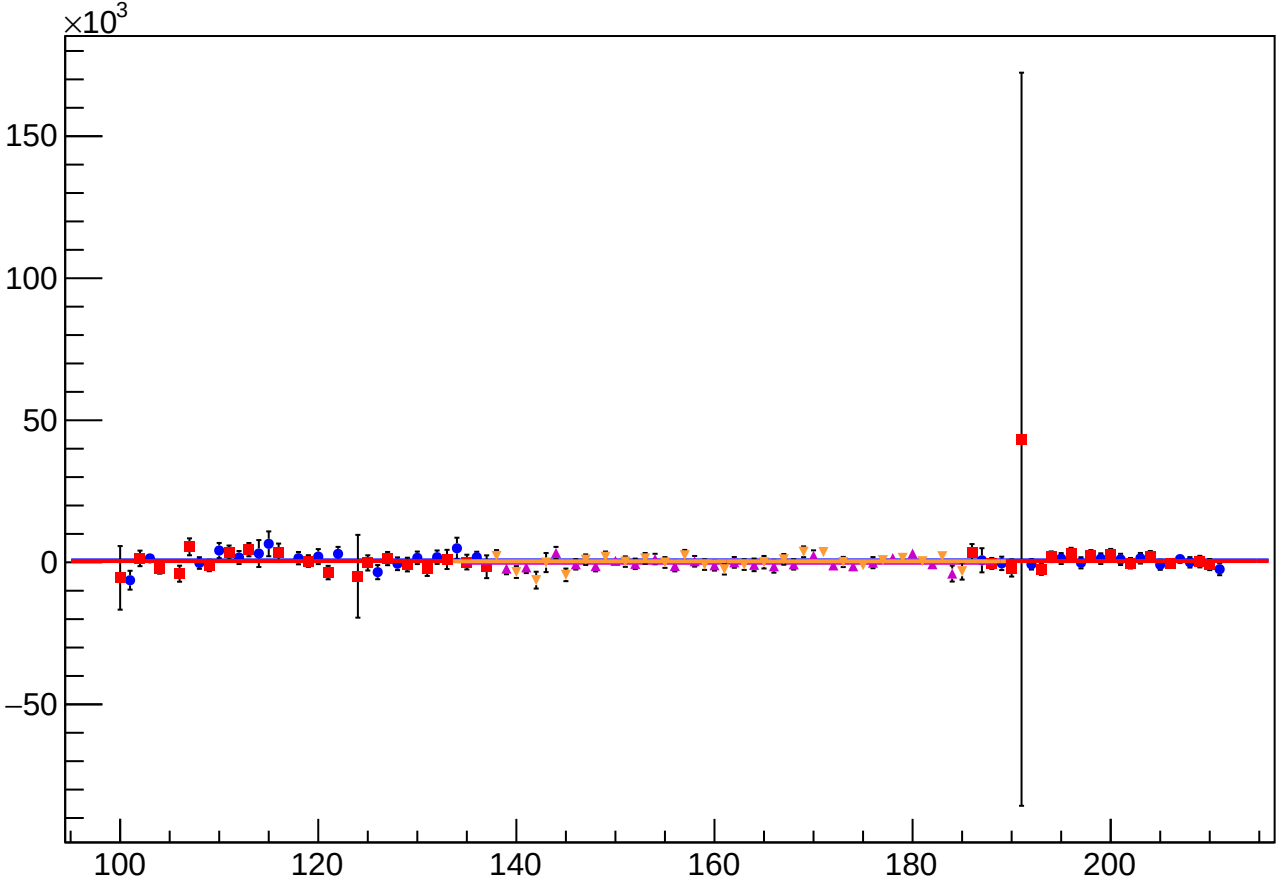
Left In: 839.978+/-0.140 χ^2/NDF:669338.3/22

+ sign 976.760+/-0.128 χ^2/NDF: 13414046.8/52

All: 980.677+/-0.091 χ^2/NDF: 27034597.0/10

- sign 984.655+/-0.129 χ^2/NDF: 13618665.5/55

eigen_cor_asym_at2_dd_mean vs Slug



Right In: 671.083+/-415.205 χ^2/NDF: 19.6/27

Left Out: 361.560+/-388.131 χ^2/NDF:29.6/24

Right Out: 445.617+/-405.264 χ^2/NDF: 29.3/32

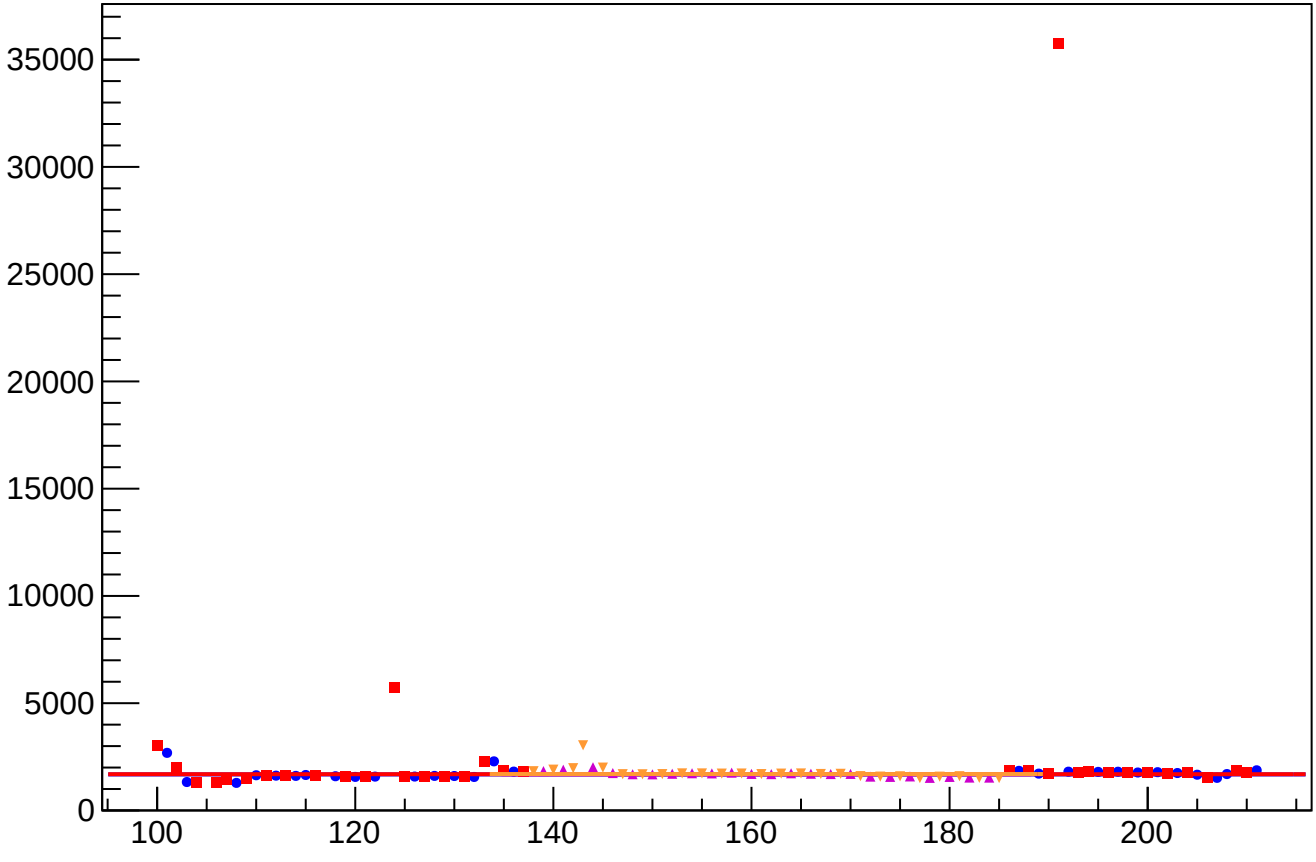
Left In: -156.934+/-394.258 χ^2/NDF:16.0/22

+ sign 505.902+/-283.539 χ^2/NDF: 49.5/52

All: 320.357+/-200.157 χ^2/NDF: 96.8/108

- sign 136.048+/-282.593 χ^2/NDF: 46.5/55

eigen_cor_asym_at2_dd_rms vs Slug



Right In: 1678.792+/-0.294 χ^2/NDF: 506136.5/27

Left Out: 1697.496+/-0.274 χ^2/NDF:495397.9/24

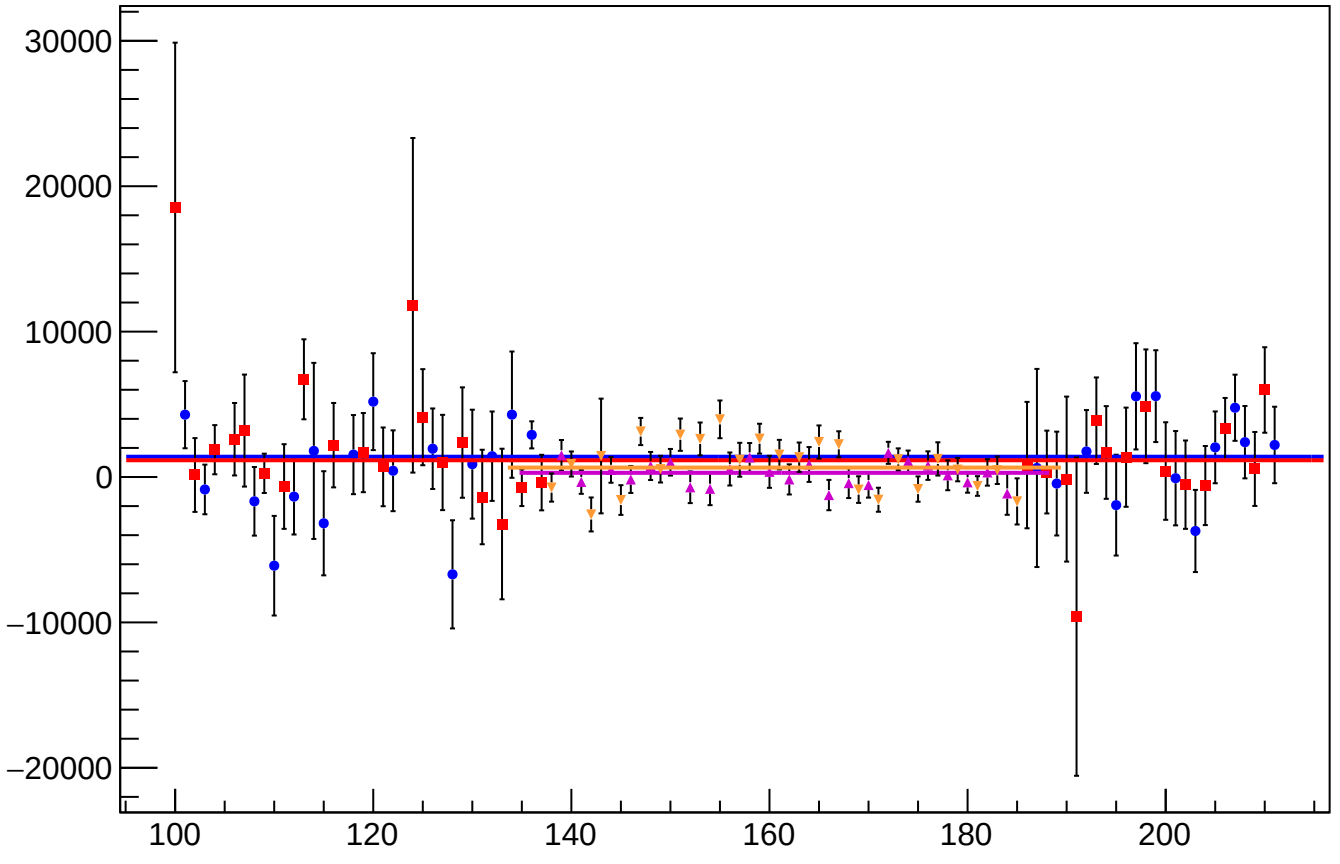
Right Out: 1689.632+/-0.287 χ^2/NDF: 714323.2/32

Left In: 1684.577+/-0.279 χ^2/NDF:165355.7/22

+ sign 1688.773+/-0.200 χ^2/NDF: 1003700.3/52

All: 1687.901+/-0.142 χ^2/NDF: 1883576.7/10

- sign 1687.035+/-0.200 χ^2/NDF: 879838.8/55



Right In: 1395.590+/-479.135 χ^2/NDF: 32.0/27

Left Out: 649.165+/-195.673 χ^2/NDF:65.5/24

Right Out: 1152.375+/-464.866 χ^2/NDF: 21.8/32

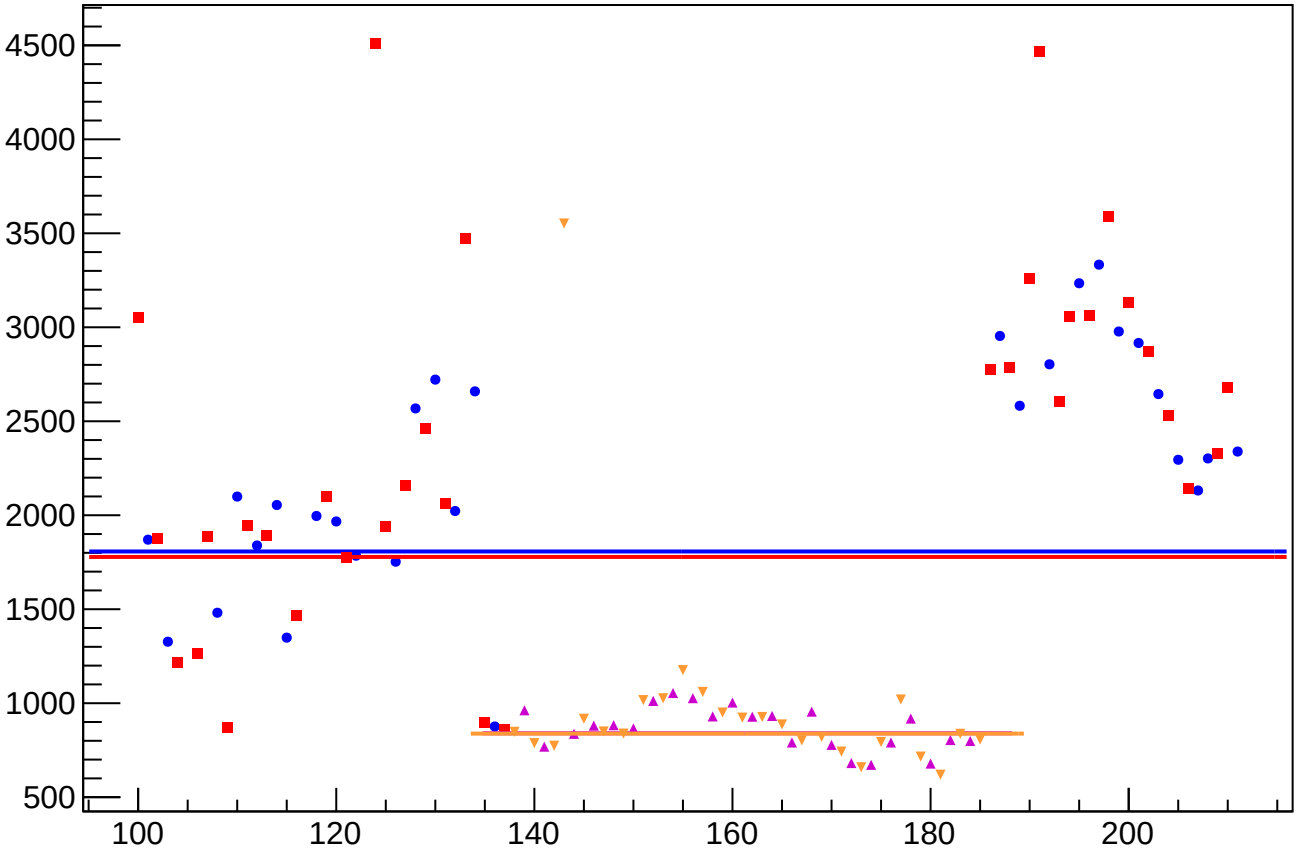
Left In: 288.602+/-198.495 χ^2/NDF:16.6/22

+ sign 755.860+/-181.149 χ^2/NDF: 99.6/52

All: 590.117+/-128.584 χ^2/NDF: 142.6/108

- sign 421.802+/-182.549 χ^2/NDF: 41.3/55

asym_at2_dd_eigen_cor_correction_rms vs Slug



Right In: 1807.226+/-0.339 χ^2/NDF: 4603424.2/27

Left Out: 838.254+/-0.138 χ^2/NDF:1800138.0/24

Right Out: 1778.171+/-0.329 χ^2/NDF: 6059282.4/32

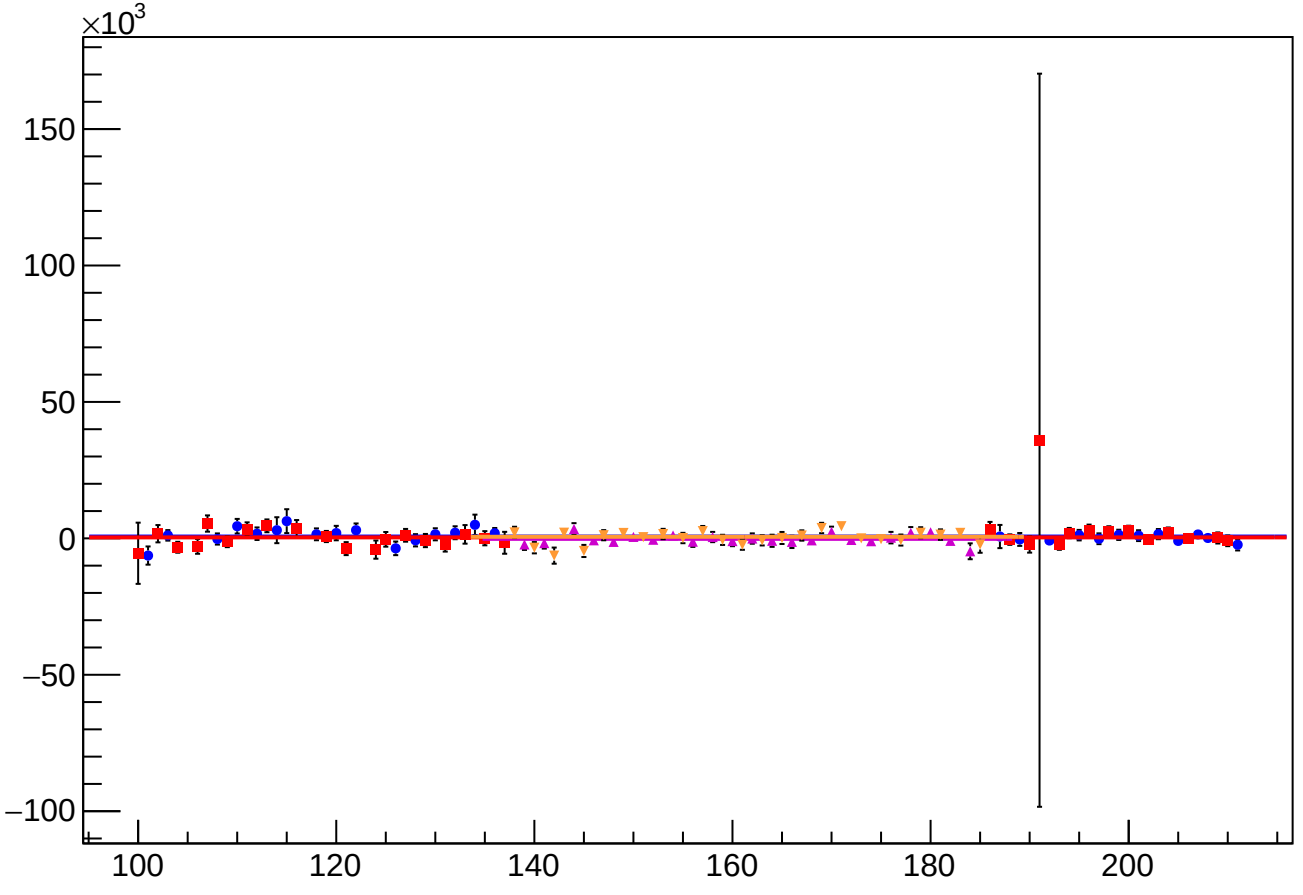
Left In: 839.978+/-0.140 χ^2/NDF:669338.3/22

+ sign 976.760+/-0.128 χ^2/NDF: 13414046.8/52

All: 980.677+/-0.091 χ^2/NDF: 27034597.0/10

- sign 984.655+/-0.129 χ^2/NDF: 13618665.5/55

dit_asym_at2_dd_mean vs Slug



Right In: 665.144+/-418.209 χ^2/NDF: 20.1/27

Left Out: 580.299+/-389.769 χ^2/NDF:31.9/24

Right Out: 352.818+/-405.785 χ^2/NDF: 31.5/32

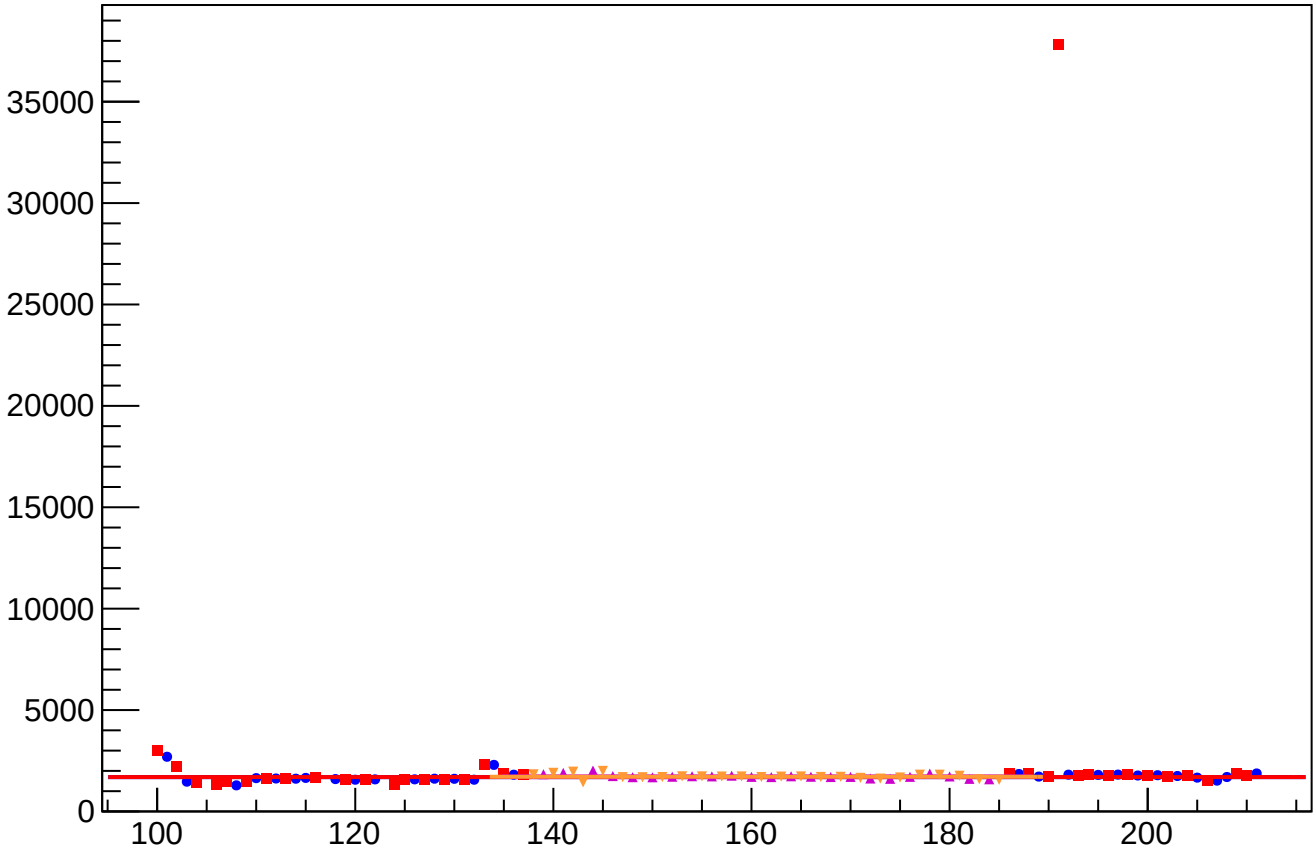
Left In: -185.836+/-404.094 χ^2/NDF:14.4/22

+ sign 619.739+/-285.133 χ^2/NDF: 52.1/52

All: 352.182+/-202.042 χ^2/NDF: 100.7/108

- sign 82.366+/-286.334 χ^2/NDF: 46.9/55

dit_asym_at2_dd_rms vs Slug



Right In: 1692.380+/-0.296 χ^2/NDF: 450921.3/27

Left Out: 1711.712+/-0.276 χ^2/NDF:168006.4/24

Right Out: 1694.772+/-0.287 χ^2/NDF: 574286.1/32

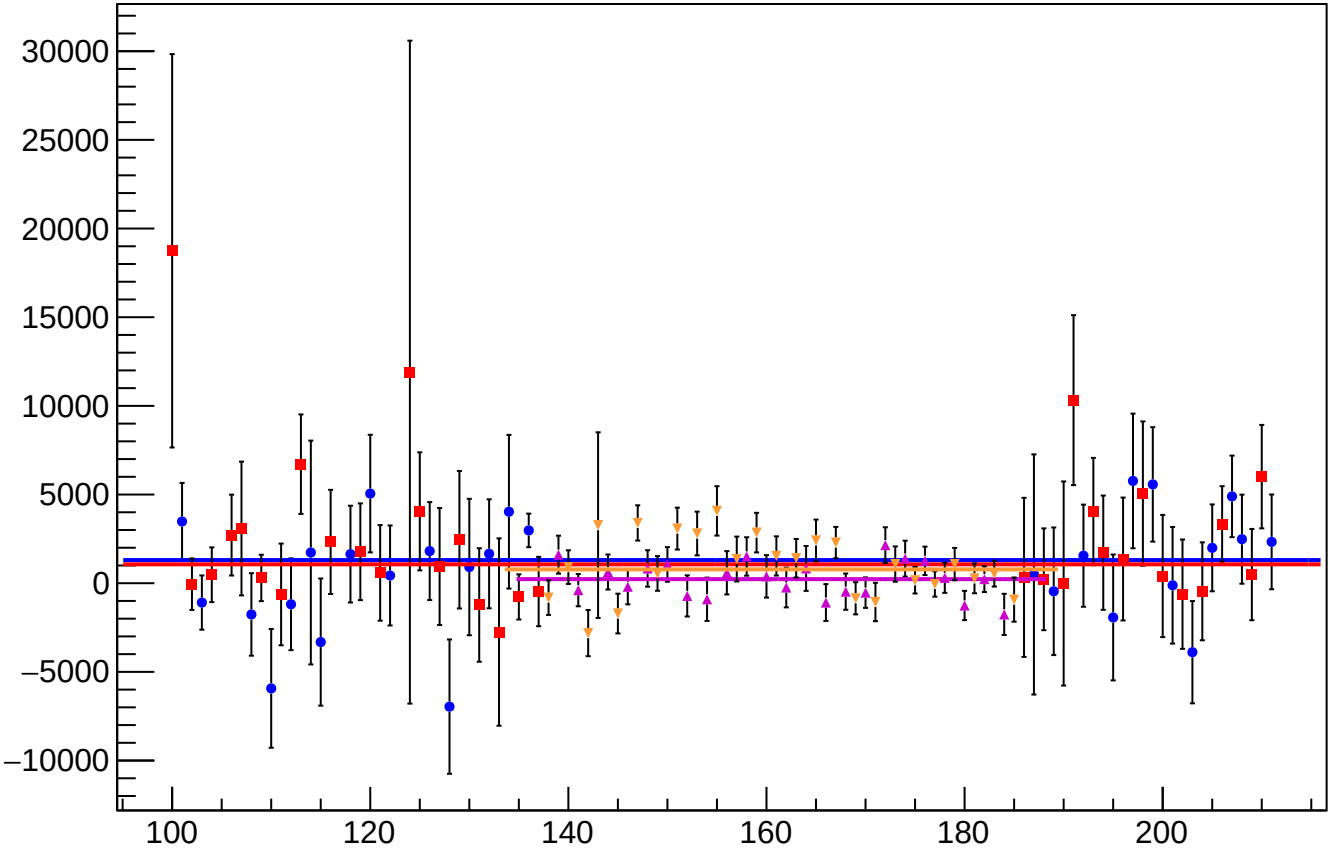
Left In: 1727.912+/-0.286 χ^2/NDF:100226.8/22

+ sign 1702.725+/-0.202 χ^2/NDF: 621214.6/52

All: 1707.050+/-0.143 χ^2/NDF: 1303349.4/10

- sign 1711.411+/-0.202 χ^2/NDF: 681210.6/55

asym_at2_dd_dit_correction_mean vs Slug



Right In: 1304.719+/-477.147 χ^2/NDF: 32.7/27

Left Out: 778.974+/-201.641 χ^2/NDF:54.5/24

Right Out: 1064.542+/-444.902 χ^2/NDF: 24.7/32

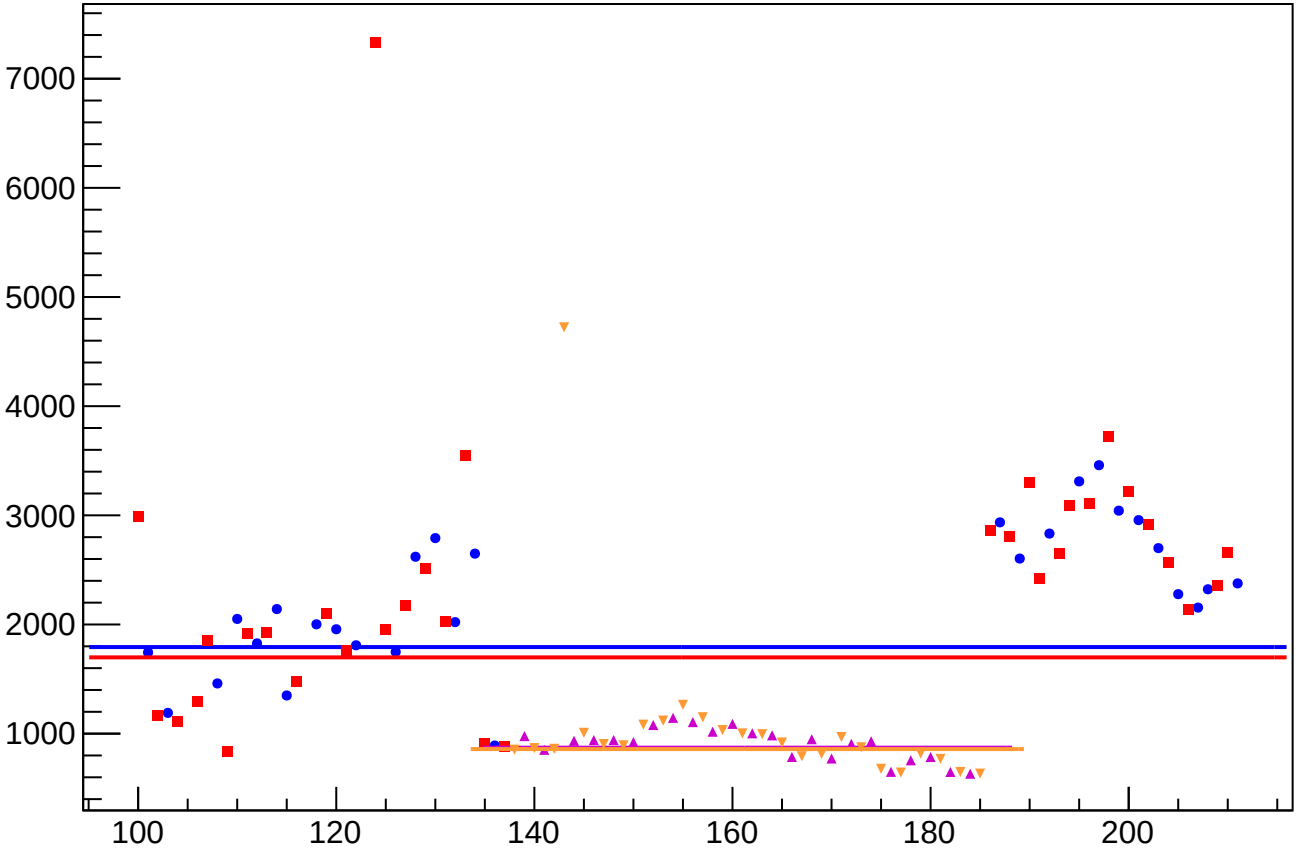
Left In: 228.879+/-206.703 χ^2/NDF:22.6/22

+ sign 858.638+/-185.737 χ^2/NDF: 88.3/52

All: 620.160+/-131.940 χ^2/NDF: 141.8/108

- sign 377.238+/-187.459 χ^2/NDF: 50.2/55

asym_at2_dd_dit_correction_rms vs Slug



Right In: 1793.083+/-0.337 χ^2/NDF: 4785370.2/27

Left Out: 858.593+/-0.143 χ^2/NDF:2279775.0/24

Right Out: 1698.616+/-0.315 χ^2/NDF: 6668620.5/32

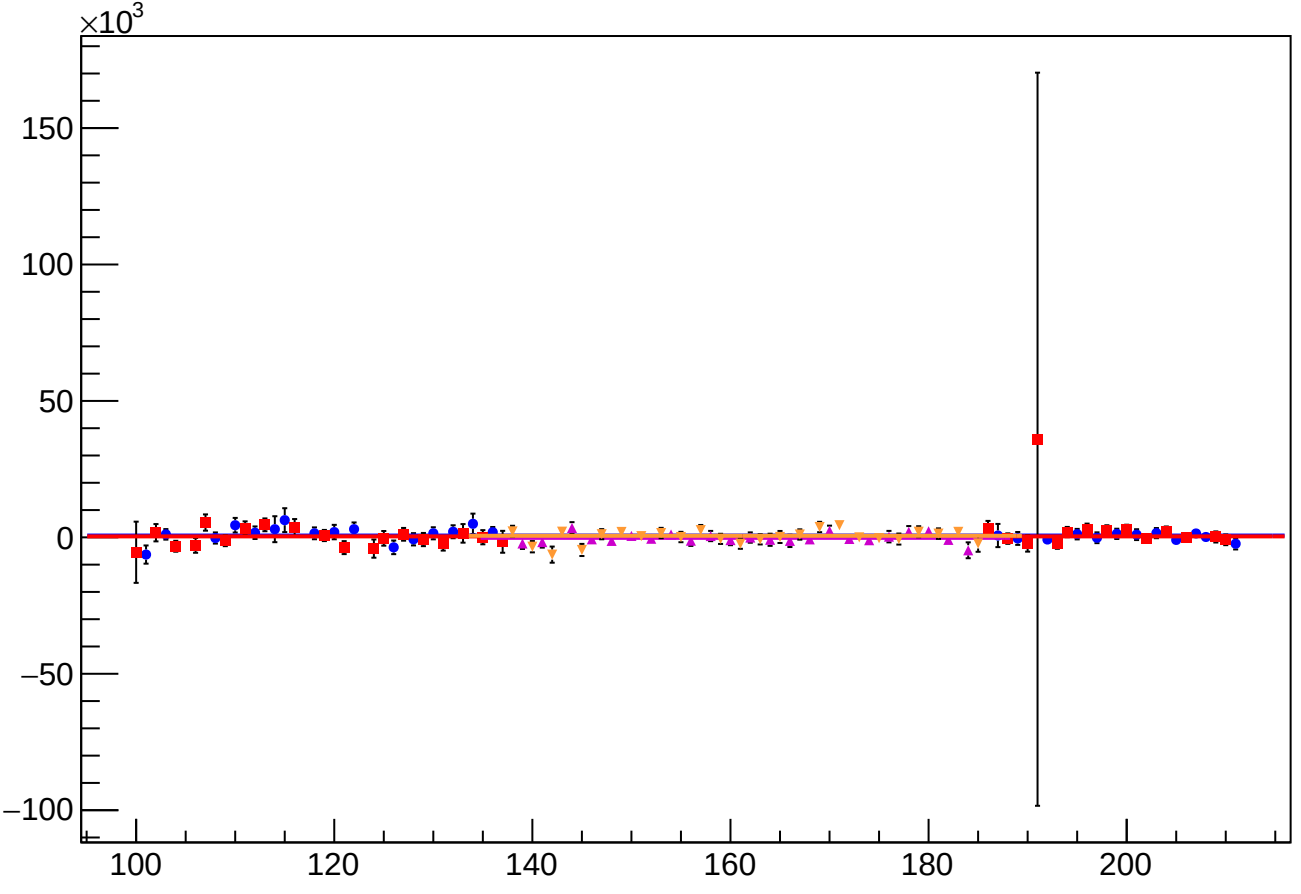
Left In: 871.527+/-0.146 χ^2/NDF:979356.2/22

+ sign 1000.193+/-0.131 χ^2/NDF: 13574117.8/52

All: 1009.195+/-0.093 χ^2/NDF: 26916478.0/1

- sign 1018.364+/-0.133 χ^2/NDF: 13332878.3/55

eigen_dit_asym_at2_dd_mean vs Slug



Right In: 665.141+/-418.209 χ^2/NDF: 20.1/27

Left Out: 580.295+/-389.769 χ^2/NDF:31.9/24

Right Out: 352.815+/-405.785 χ^2/NDF: 31.5/32

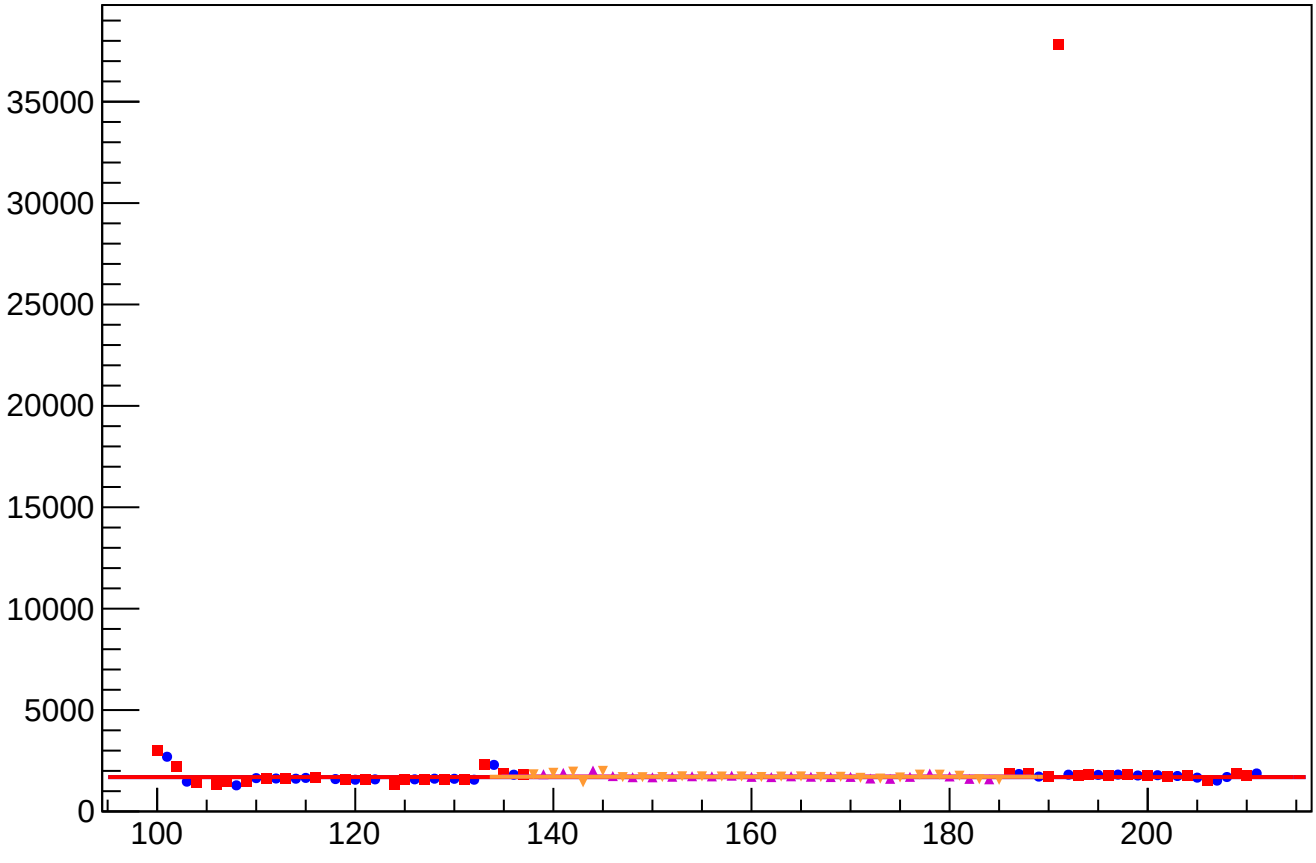
Left In: -185.837+/-404.094 χ^2/NDF:14.4/22

+ sign 619.735+/-285.133 χ^2/NDF: 52.1/52

All: 352.179+/-202.042 χ^2/NDF: 100.7/108

- sign 82.365+/-286.333 χ^2/NDF: 46.9/55

eigen_dit_asym_at2_dd_rms vs Slug



Right In: 1692.380+/-0.296 χ^2/NDF: 450921.2/27

Left Out: 1711.711+/-0.276 χ^2/NDF:168005.1/24

Right Out: 1694.772+/-0.287 χ^2/NDF: 574286.2/32

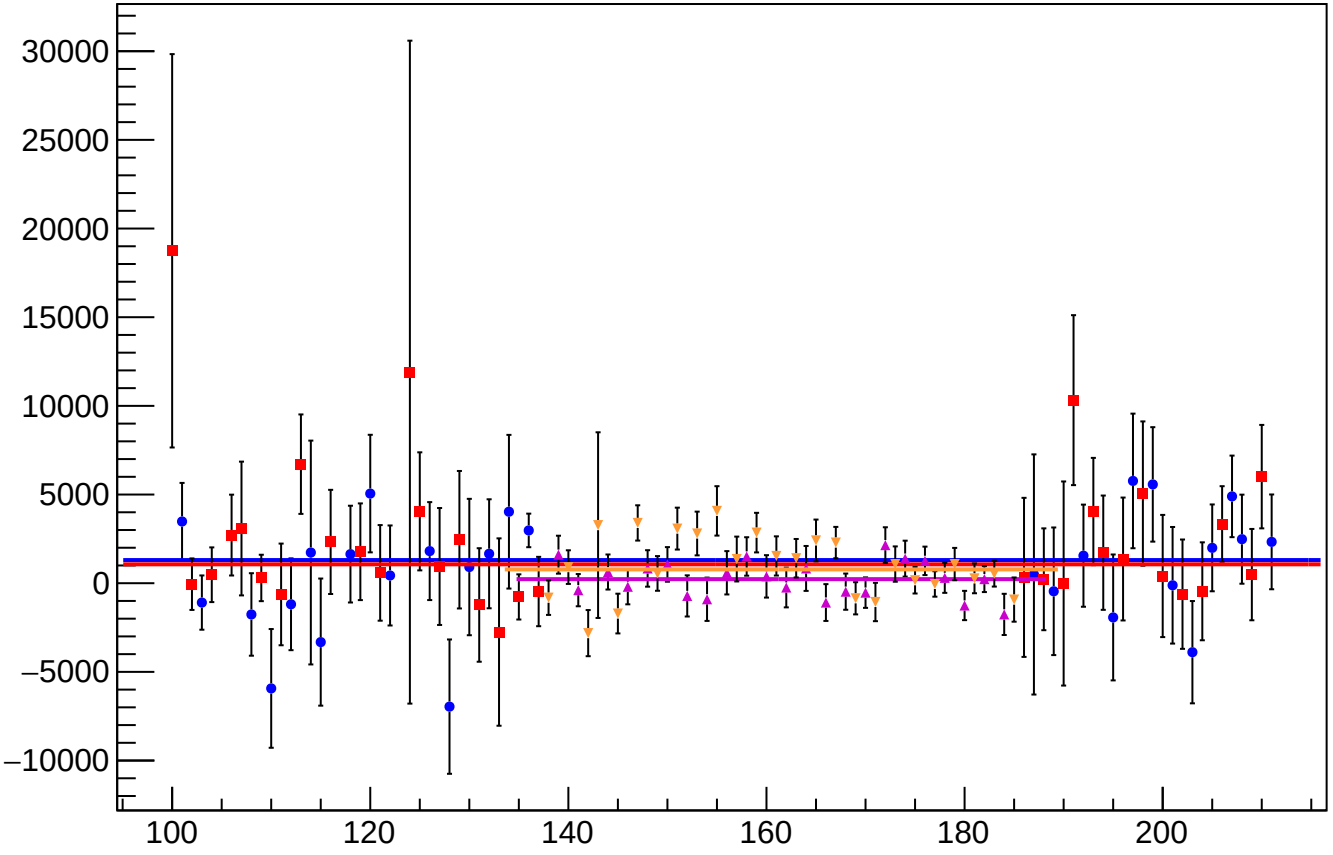
Left In: 1727.912+/-0.286 χ^2/NDF:100226.8/22

+ sign 1702.725+/-0.202 χ^2/NDF: 621213.3/52

All: 1707.050+/-0.143 χ^2/NDF: 1303348.0/10

- sign 1711.411+/-0.202 χ^2/NDF: 681210.6/55

asym_at2_dd_eigen_dit_correction_mean vs Slug



Right In: 1304.715+/-477.149 χ^2/NDF: 32.7/27

Left Out: 778.977+/-201.641 χ^2/NDF:54.5/24

Right Out: 1064.556+/-444.905 χ^2/NDF: 24.7/32

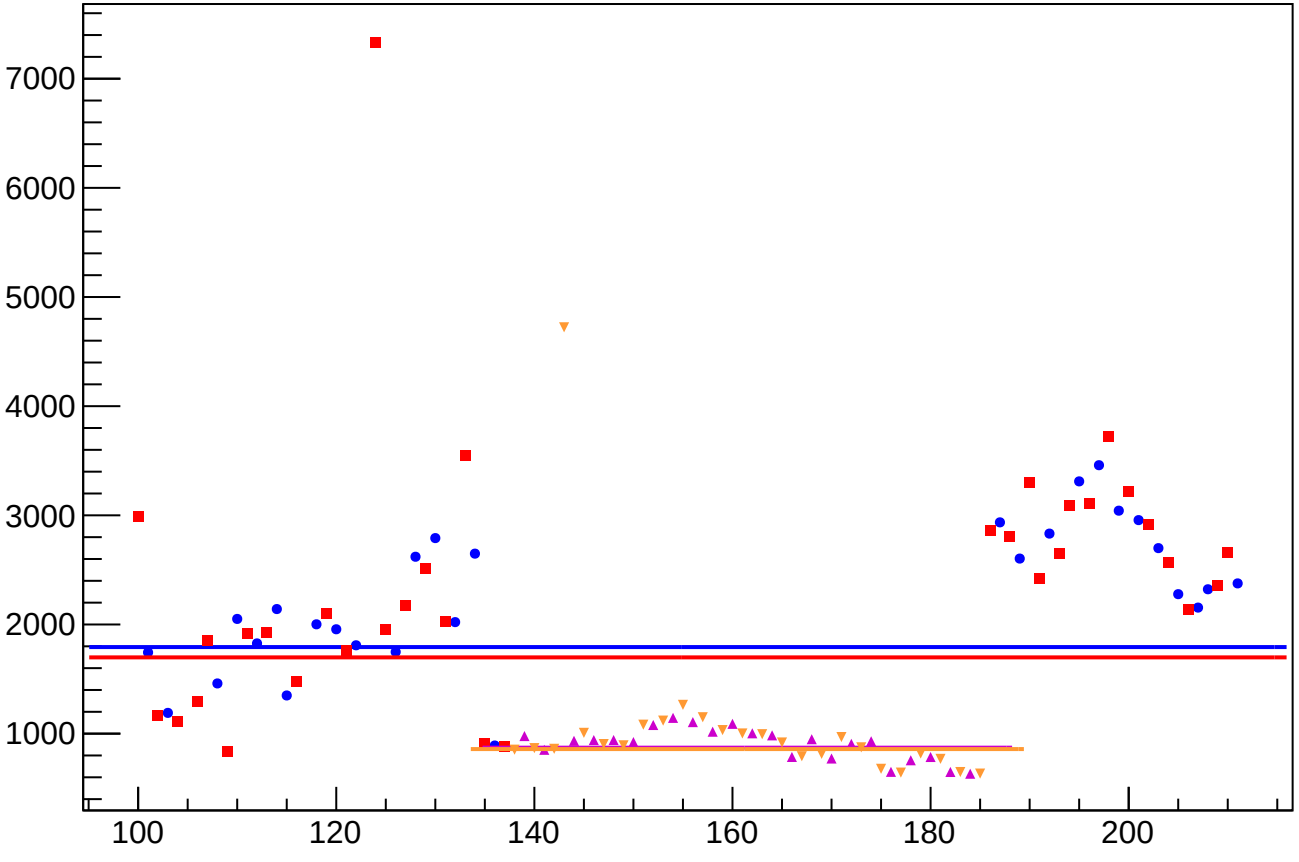
Left In: 228.876+/-206.703 χ^2/NDF:22.6/22

+ sign 858.640+/-185.737 χ^2/NDF: 88.3/52

All: 620.160+/-131.940 χ^2/NDF: 141.8/108

- sign 377.237+/-187.459 χ^2/NDF: 50.2/55

asym_at2_dd_eigen_dit_correction_rms vs Slug



Right In: 1793.096+/-0.337 χ^2/NDF: 4785196.7/27

Left Out: 858.593+/-0.143 χ^2/NDF:2279765.6/24

Right Out: 1698.629+/-0.315 χ^2/NDF: 6668466.0/32

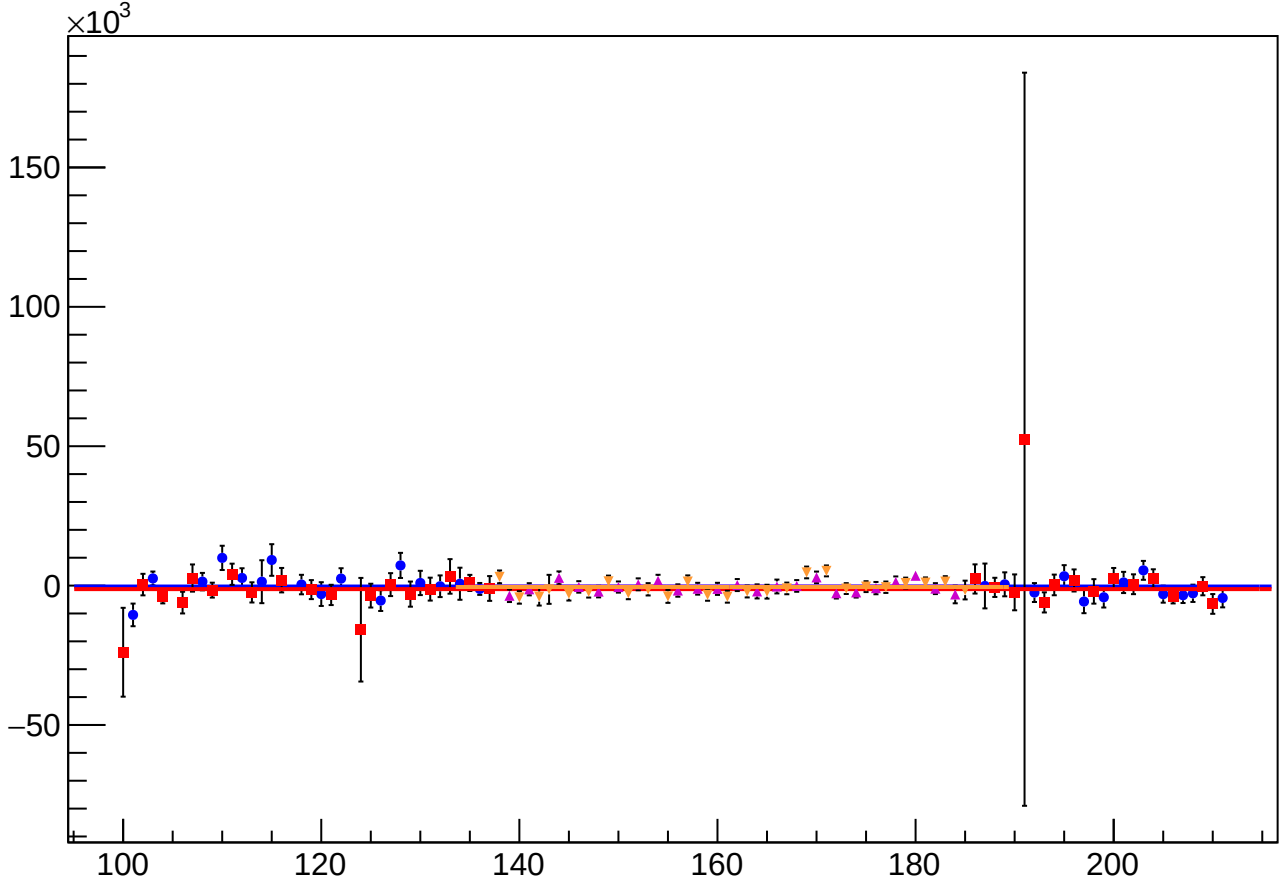
Left In: 871.525+/-0.146 χ^2/NDF:979360.3/22

+ sign 1000.194+/-0.131 χ^2/NDF: 13574071.9/52

All: 1009.195+/-0.093 χ^2/NDF: 26916433.5/1

- sign 1018.364+/-0.133 χ^2/NDF: 13332880.8/55

asym_at2_dd_mean vs Slug



Right In: -336.379+/-683.016 χ^2/NDF: 34.5/27

Left Out: -501.517+/-439.916 χ^2/NDF:35.9/24

Right Out: -1262.513+/-669.957 χ^2/NDF: 19.9/32

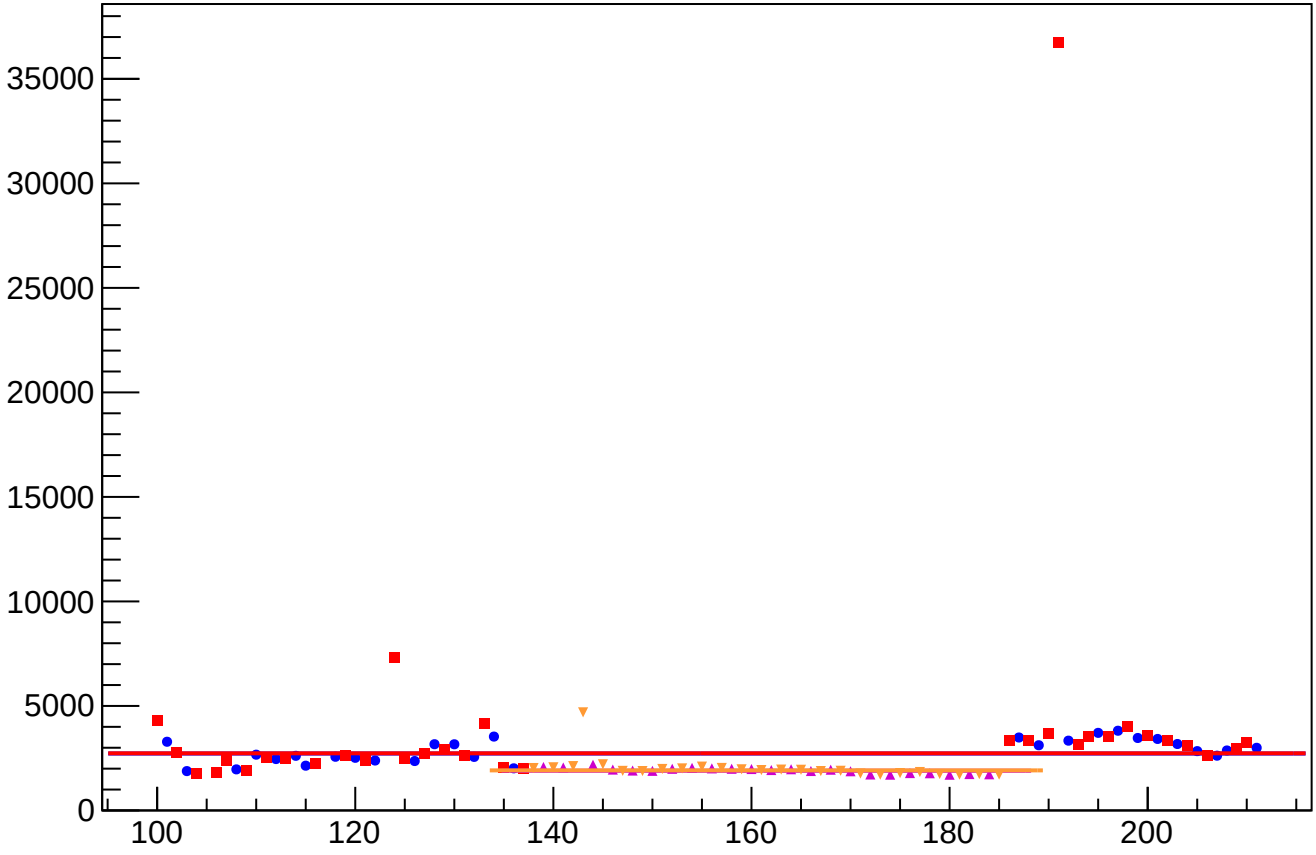
Left In: -411.323+/-444.573 χ^2/NDF:18.9/22

+ sign -453.098+/-369.842 χ^2/NDF: 70.4/52

All: -562.150+/-261.727 χ^2/NDF: 110.5/108

- sign -671.550+/-370.433 χ^2/NDF: 39.8/55

asym_at2_dd_rms vs Slug



Right In: 2722.556+/-0.483 χ^2/NDF: 1336792.7/27

Left Out: 1917.157+/-0.311 χ^2/NDF:756385.6/24

Right Out: 2733.907+/-0.474 χ^2/NDF: 1999787.4/32

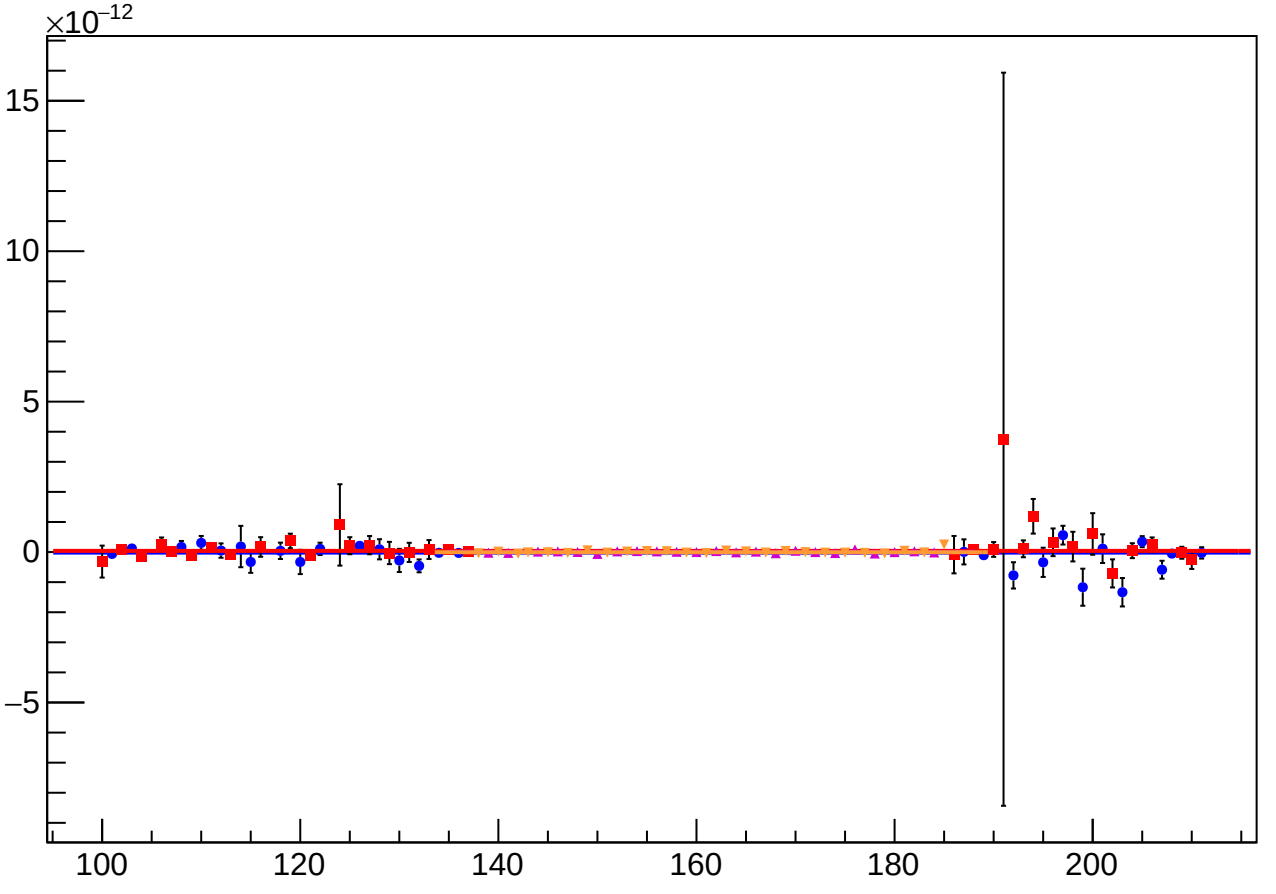
Left In: 1899.245+/-0.314 χ^2/NDF:173376.4/22

+ sign 2153.305+/-0.262 χ^2/NDF: 4058727.1/52

All: 2153.862+/-0.185 χ^2/NDF: 8387132.1/10

- sign 2154.421+/-0.262 χ^2/NDF: 4328395.9/55

asym_at2_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 41.2/27

Left Out: -0.000+/-0.000 χ^2/NDF:28.5/24

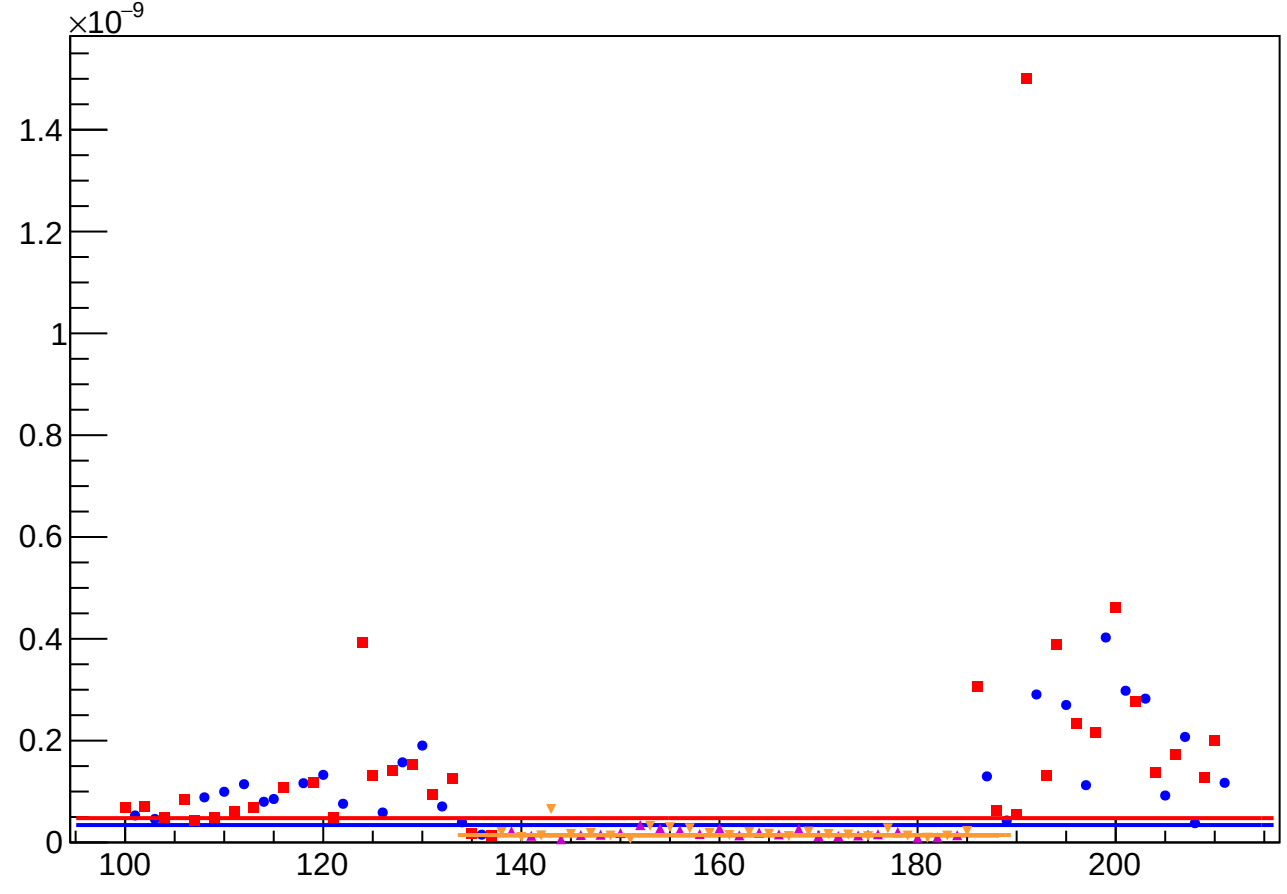
Right Out: 0.000+/-0.000 χ^2/NDF: 25.1/32

Left In: 0.000+/-0.000 χ^2/NDF:25.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 70.0/52

All: 0.000+/-0.000 χ^2/NDF: 125.2/108

- sign 0.000+/-0.000 χ^2/NDF: 51.5/55



Right In: 0.000+/-0.000 χ^2/NDF: 7462475.2/27

Left Out: 0.000+/-0.000 χ^2/NDF:1874636.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7392519.6/32

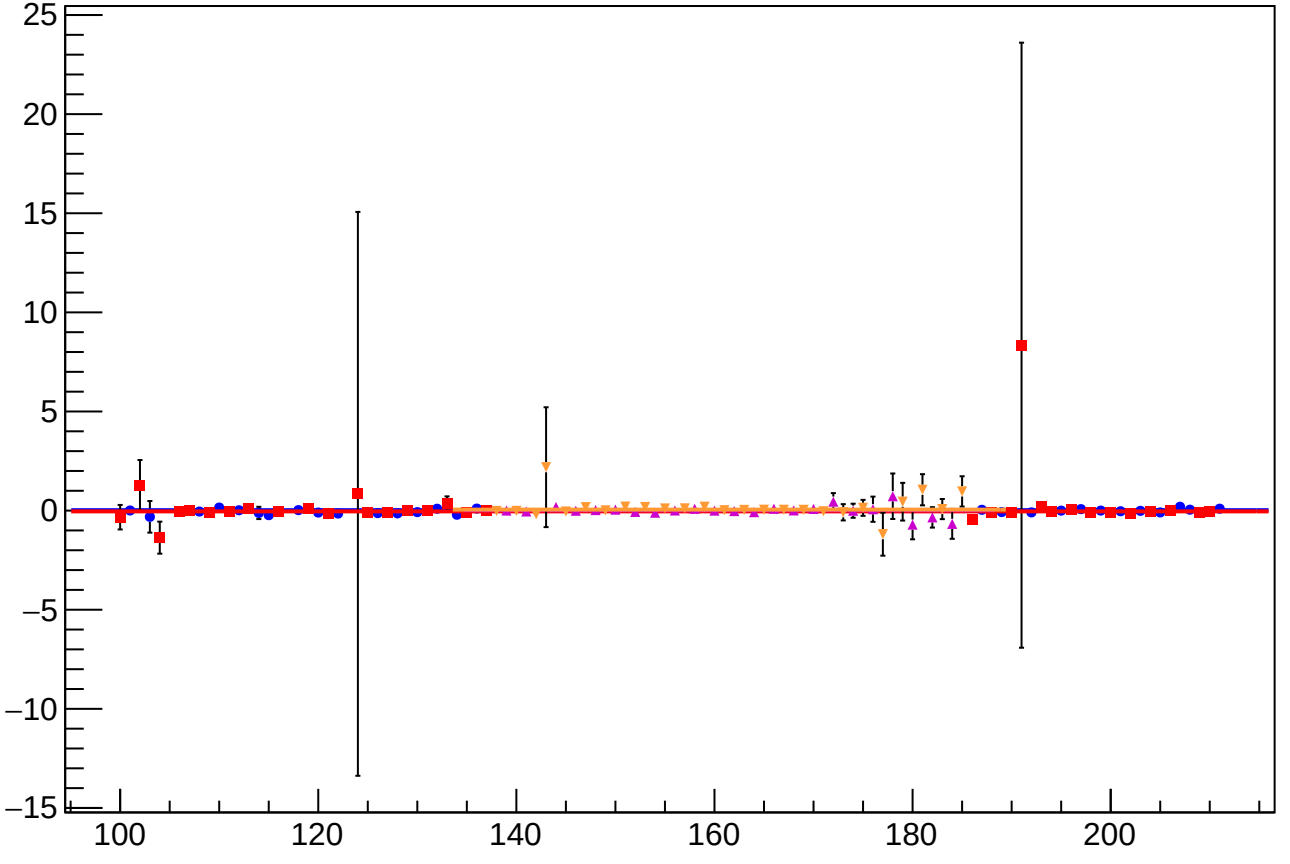
Left In: 0.000+/-0.000 χ^2/NDF:1944578.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 10960208.1/52

All: 0.000+/-0.000 χ^2/NDF: 23484256.1/108

- sign 0.000+/-0.000 χ^2/NDF: 12517936.8/55

asym_at2_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.022+/-0.018 χ^2/NDF: 30.0/27

Left Out: 0.050+/-0.017 χ^2/NDF:24.5/24

Right Out: -0.039+/-0.018 χ^2/NDF: 25.5/32

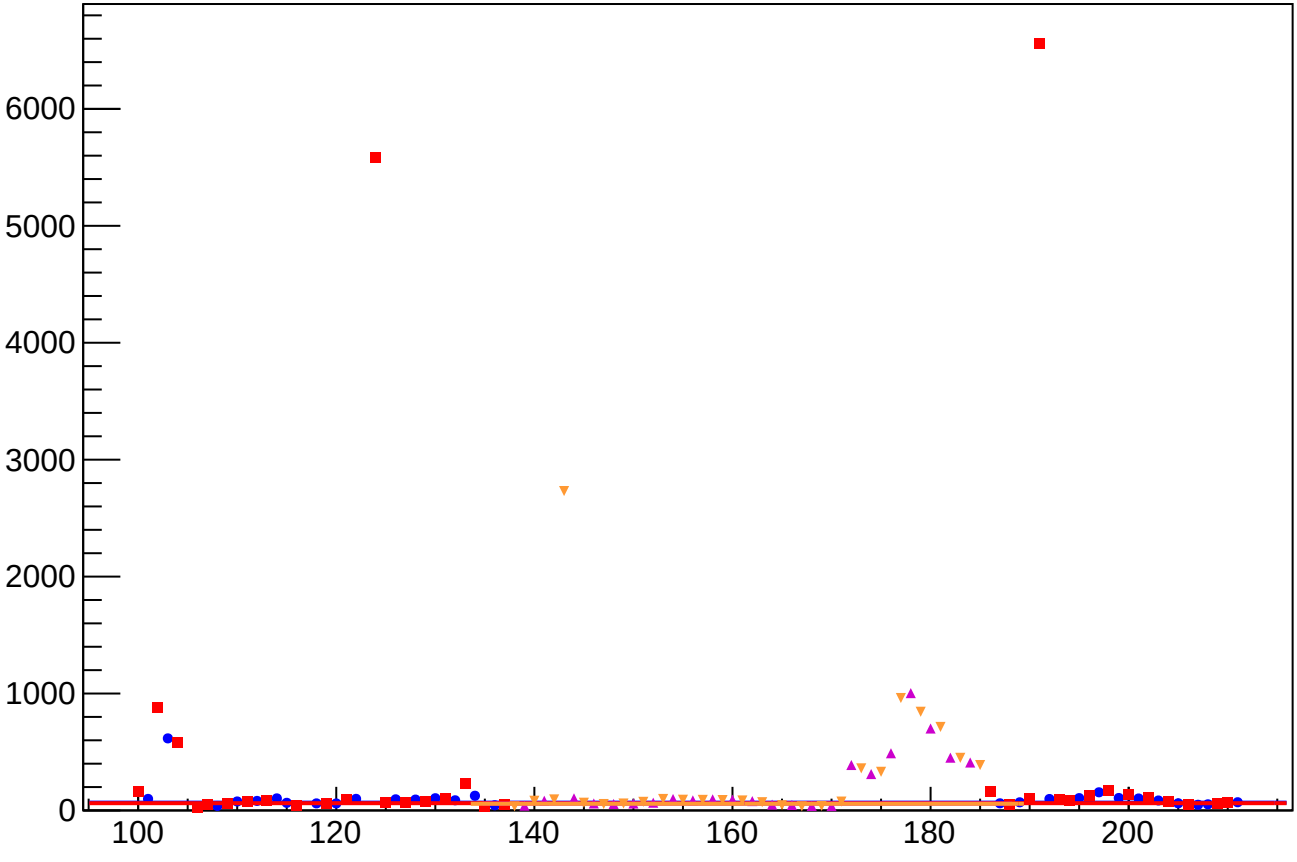
Left In: 0.019+/-0.017 χ^2/NDF:15.4/22

+ sign 0.037+/-0.013 χ^2/NDF: 55.8/52

All: 0.013+/-0.009 χ^2/NDF: 109.3/108

- sign -0.009+/-0.012 χ^2/NDF: 46.6/55

asym_at2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 66.969+/-0.013 χ^2/NDF: 4207147.9/27

Left Out: 57.259+/-0.012 χ^2/NDF:12322019.7/24

Right Out: 62.171+/-0.012 χ^2/NDF: 7280845.2/32

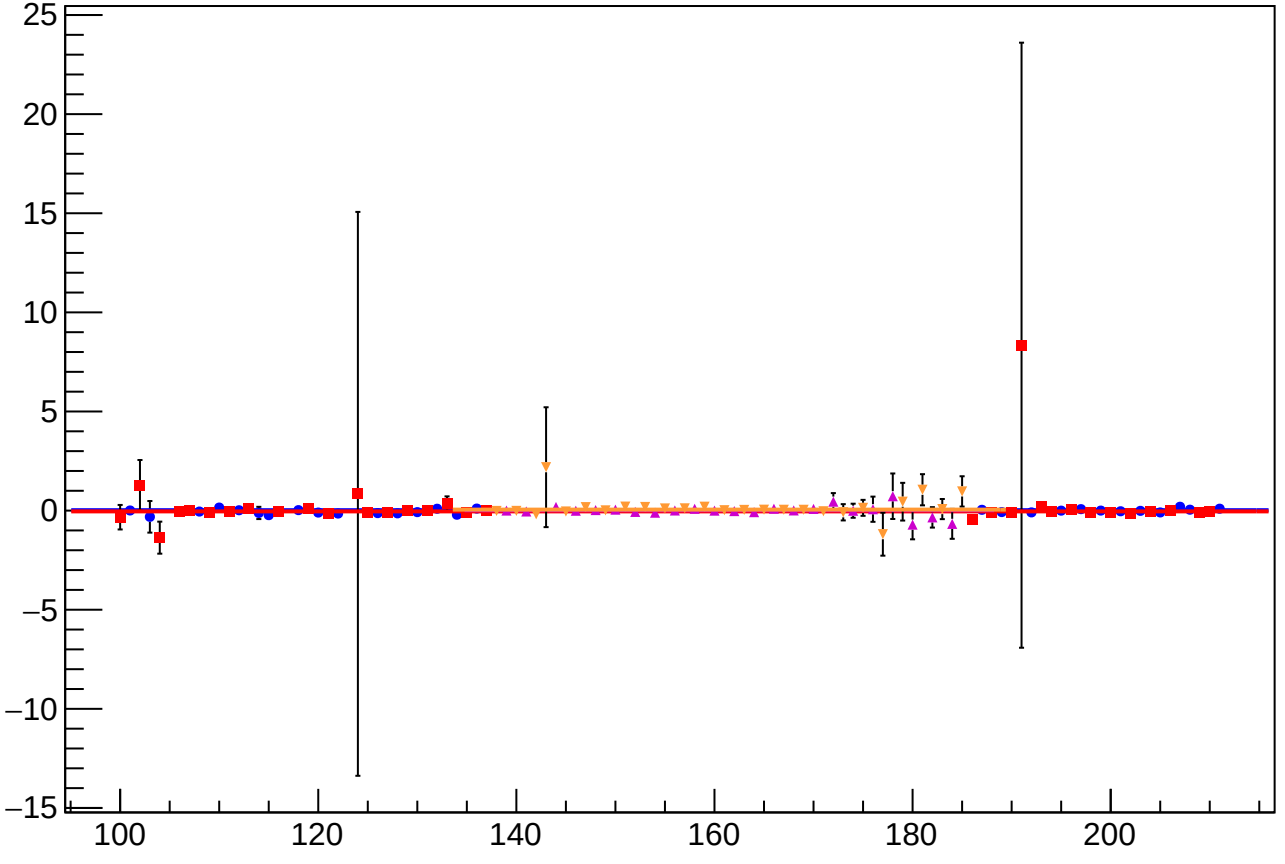
Left In: 58.580+/-0.012 χ^2/NDF:10247660.0/22

+ sign 61.720+/-0.009 χ^2/NDF: 16827956.9/52

All: 61.012+/-0.006 χ^2/NDF: 34411926.8/108

- sign 60.334+/-0.009 χ^2/NDF: 17571444.6/55

asym_at2_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.022+/-0.018 χ^2/NDF: 30.0/27

Left Out: 0.050+/-0.017 χ^2/NDF:24.5/24

Right Out: -0.039+/-0.018 χ^2/NDF: 25.5/32

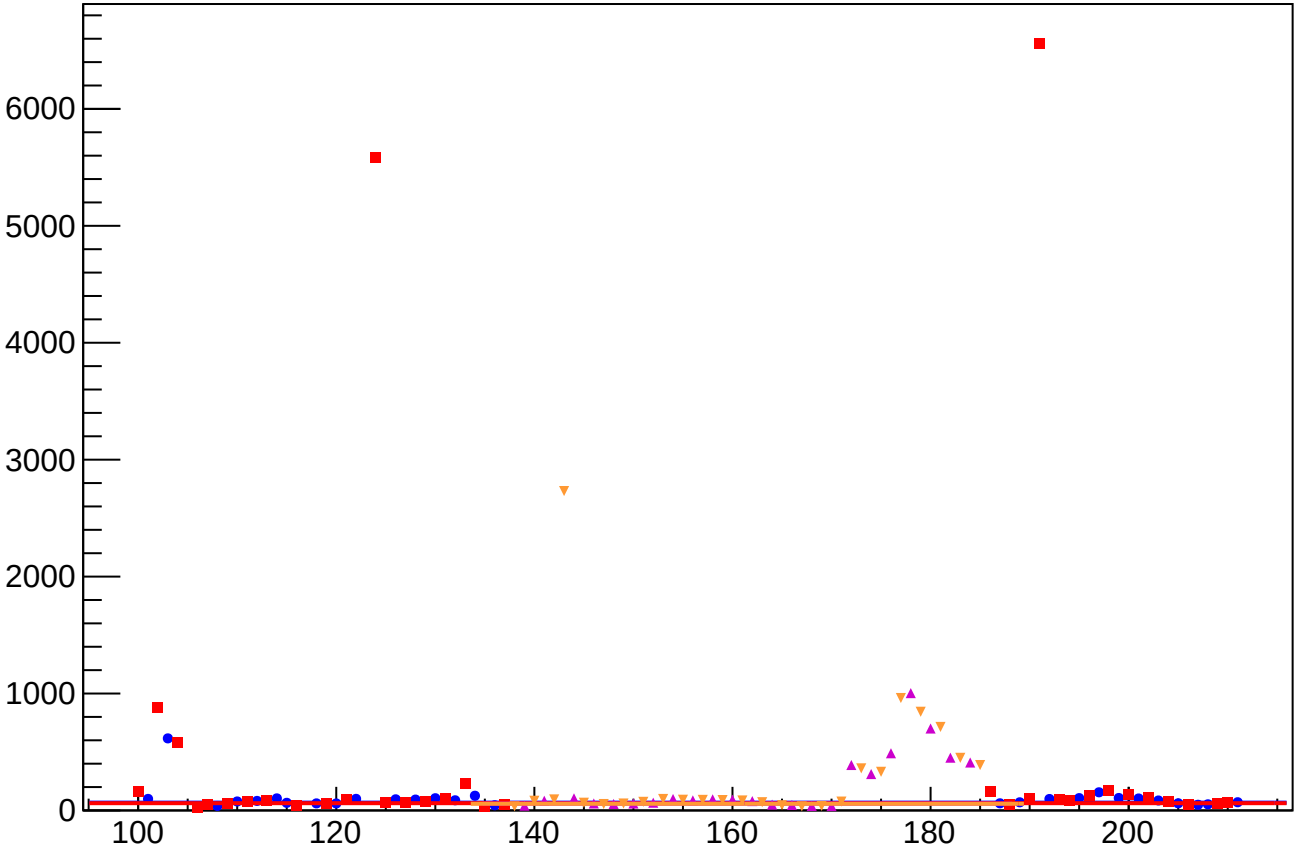
Left In: 0.019+/-0.017 χ^2/NDF:15.4/22

+ sign 0.037+/-0.013 χ^2/NDF: 55.8/52

All: 0.013+/-0.009 χ^2/NDF: 109.3/108

- sign -0.009+/-0.012 χ^2/NDF: 46.6/55

asym_at2_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 66.969+/-0.013 χ^2/NDF: 4207147.9/27

Left Out: 57.259+/-0.012 χ^2/NDF:12322019.7/24

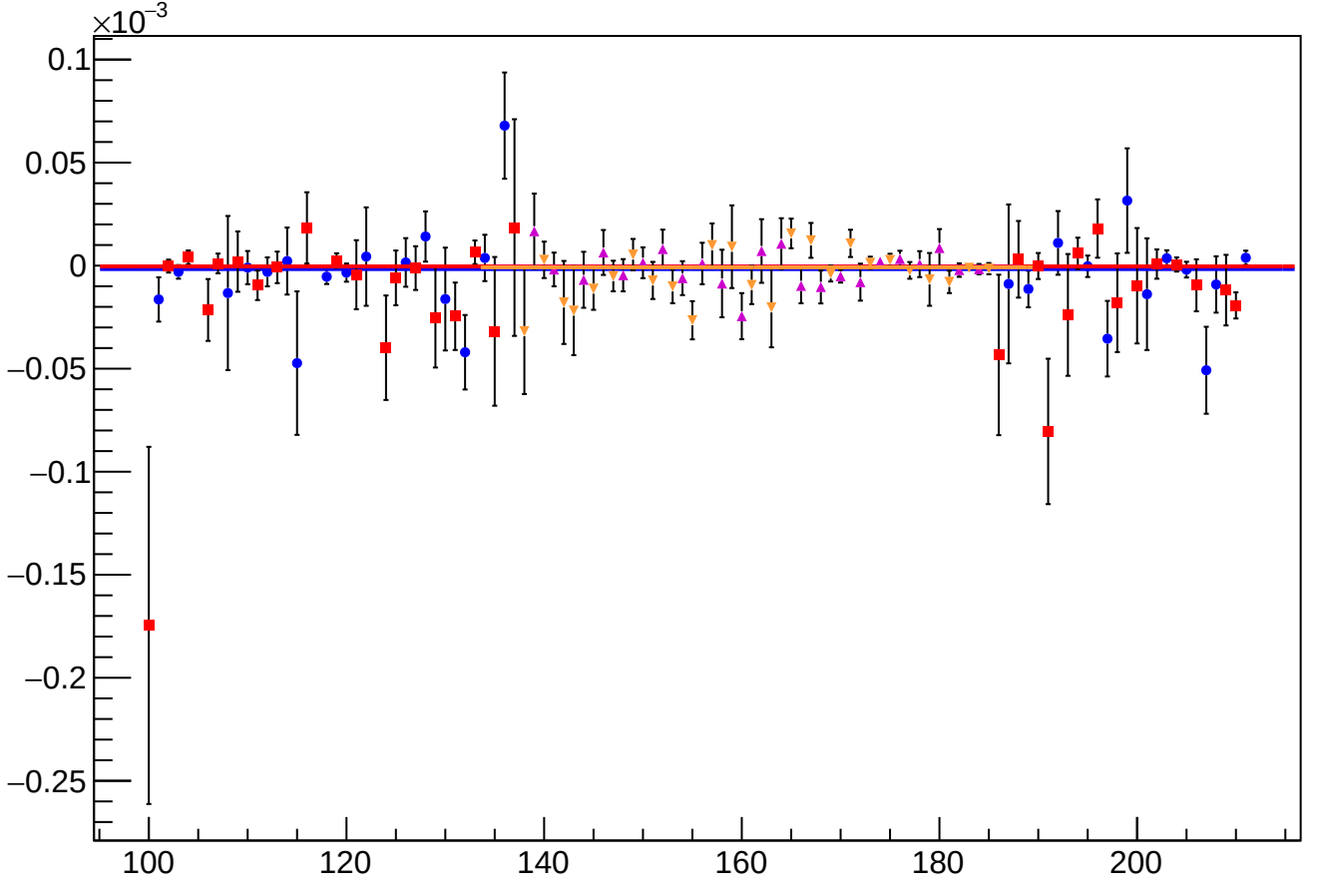
Right Out: 62.171+/-0.012 χ^2/NDF: 7280845.2/32

Left In: 58.580+/-0.012 χ^2/NDF:10247660.0/22

+ sign 61.720+/-0.009 χ^2/NDF: 16827956.9/52

All: 61.012+/-0.006 χ^2/NDF: 34411926.8/108

- sign 60.334+/-0.009 χ^2/NDF: 17571444.6/55



Right In: -0.000+/-0.000 χ^2/NDF: 37.2/27

Left Out: -0.000+/-0.000 χ^2/NDF:32.8/24

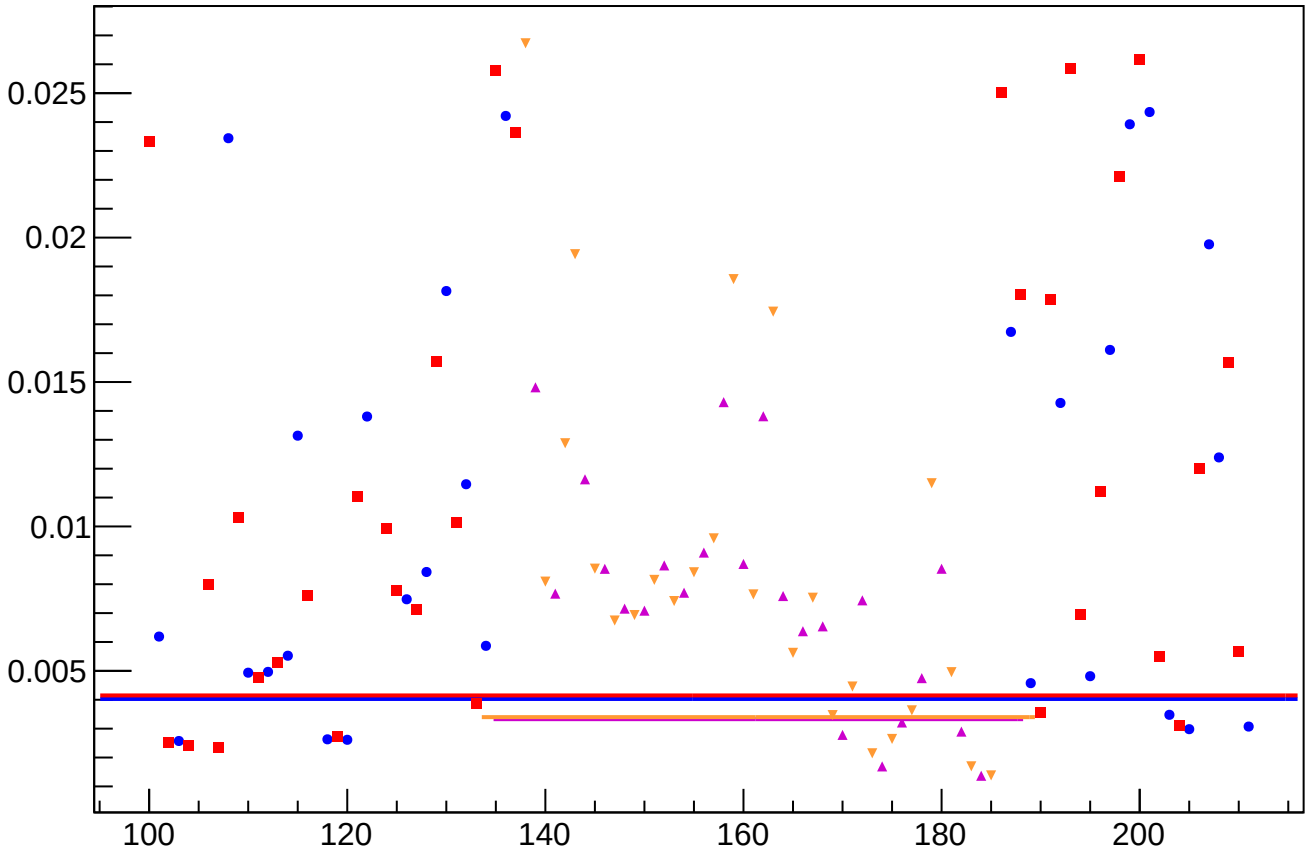
Right Out: -0.000+/-0.000 χ^2/NDF: 39.6/32

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

+ sign -0.000+/-0.000 χ^2/NDF: 70.2/52

All: -0.000+/-0.000 χ^2/NDF: 128.9/108

- sign -0.000+/-0.000 χ^2/NDF: 58.4/55



Right In: 0.004+/-0.000 χ^2/NDF: 11334328.4/27

Left Out: 0.003+/-0.000 χ^2/NDF:14248948.0/24

Right Out: 0.004+/-0.000 χ^2/NDF: 13142469.3/32

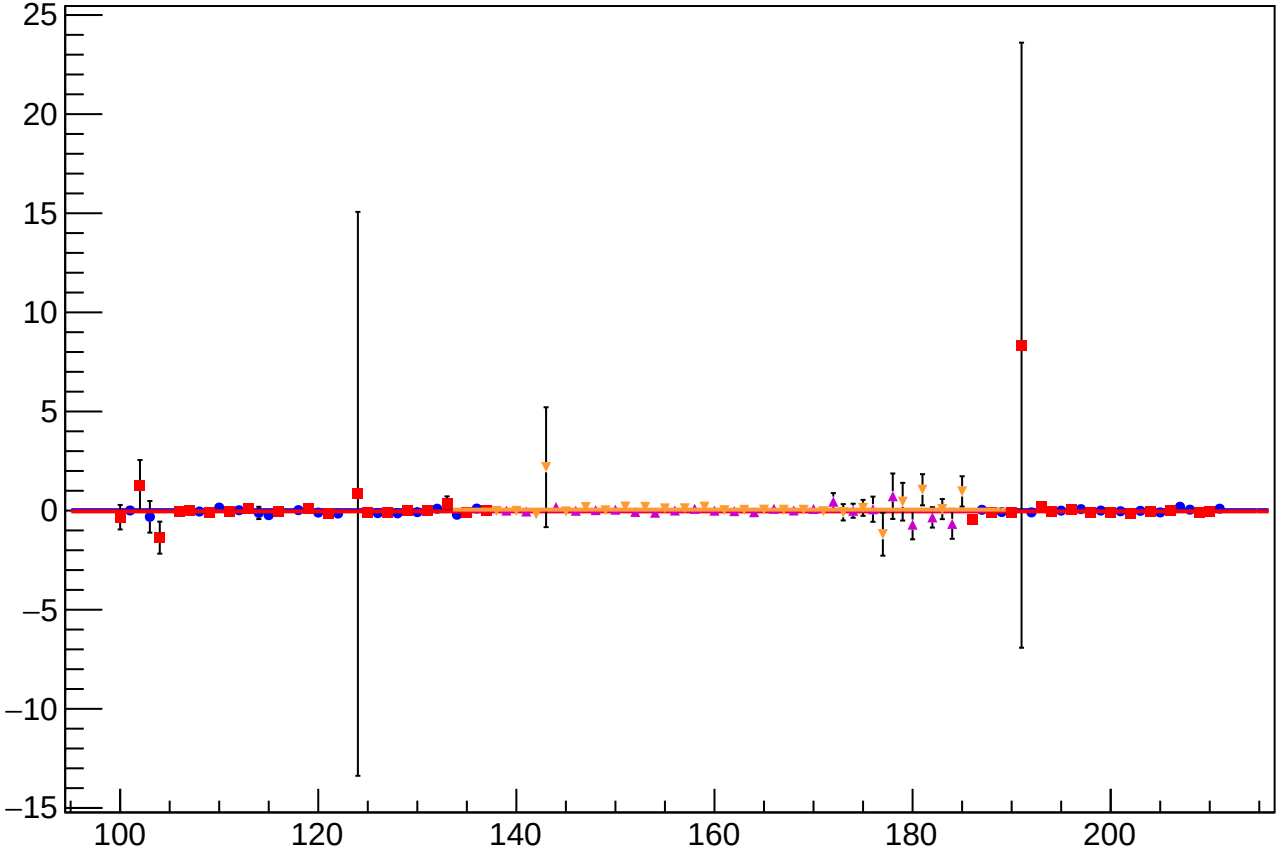
Left In: 0.003+/-0.000 χ^2/NDF:12566501.1/22

+ sign 0.004+/-0.000 χ^2/NDF: 25871097.2/52

All: 0.004+/-0.000 χ^2/NDF: 52076993.4/108

- sign 0.004+/-0.000 χ^2/NDF: 26205281.9/55

asym_at2_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.022+/-0.018 χ^2/NDF: 30.0/27

Left Out: 0.050+/-0.017 χ^2/NDF:24.5/24

Right Out: -0.039+/-0.018 χ^2/NDF: 25.5/32

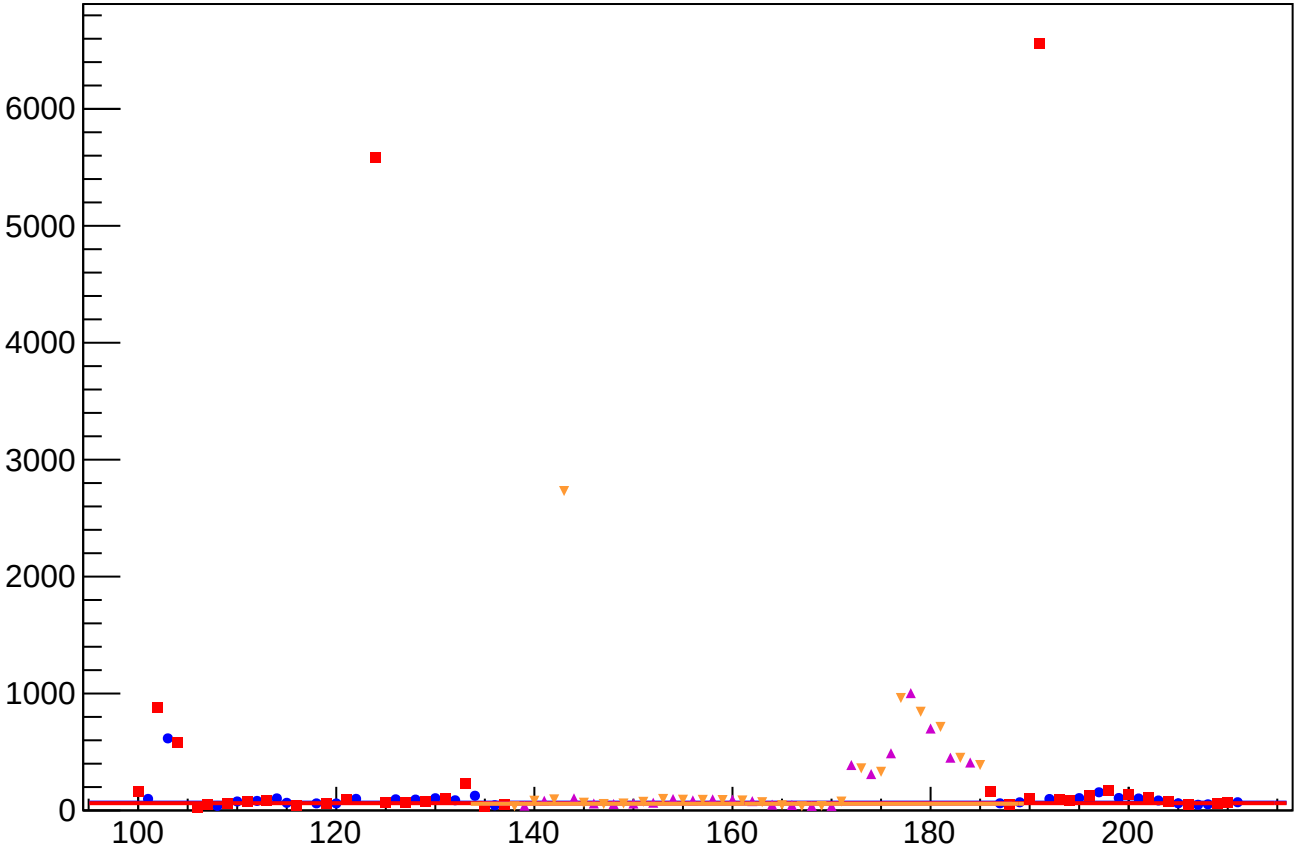
Left In: 0.019+/-0.017 χ^2/NDF:15.4/22

+ sign 0.037+/-0.013 χ^2/NDF: 55.8/52

All: 0.013+/-0.009 χ^2/NDF: 109.3/108

- sign -0.009+/-0.012 χ^2/NDF: 46.6/55

asym_at2_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 66.973+/-0.013 χ^2/NDF: 4206175.3/27

Left Out: 57.258+/-0.012 χ^2/NDF:12321763.3/24

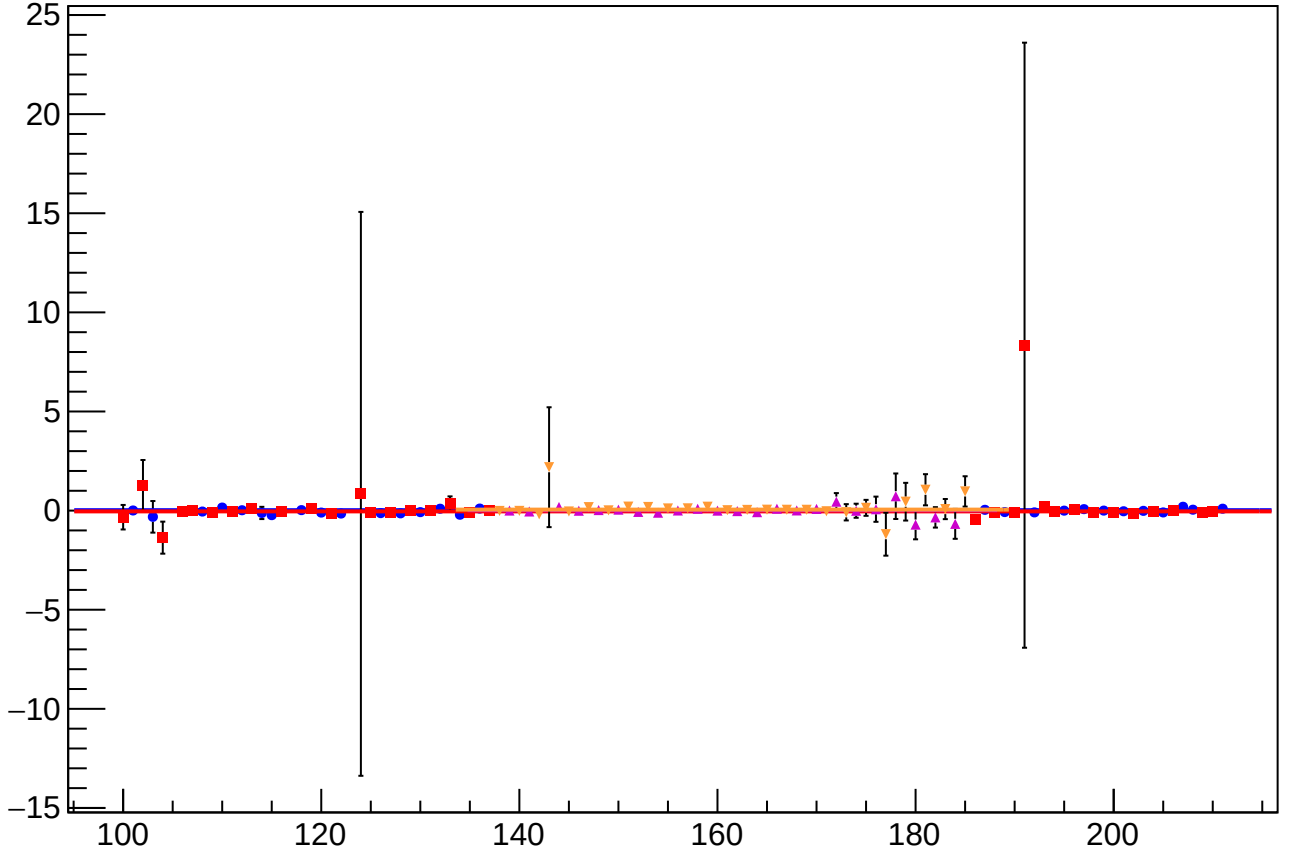
Right Out: 62.168+/-0.012 χ^2/NDF: 7281794.3/32

Left In: 58.582+/-0.012 χ^2/NDF:10247153.8/22

+ sign 61.721+/-0.009 χ^2/NDF: 16827006.6/52

All: 61.012+/-0.006 χ^2/NDF: 34411305.7/108

- sign 60.334+/-0.009 χ^2/NDF: 17571755.9/55



Right In: 0.022+/-0.018 χ^2/NDF: 30.0/27

Left Out: 0.050+/-0.017 χ^2/NDF:24.5/24

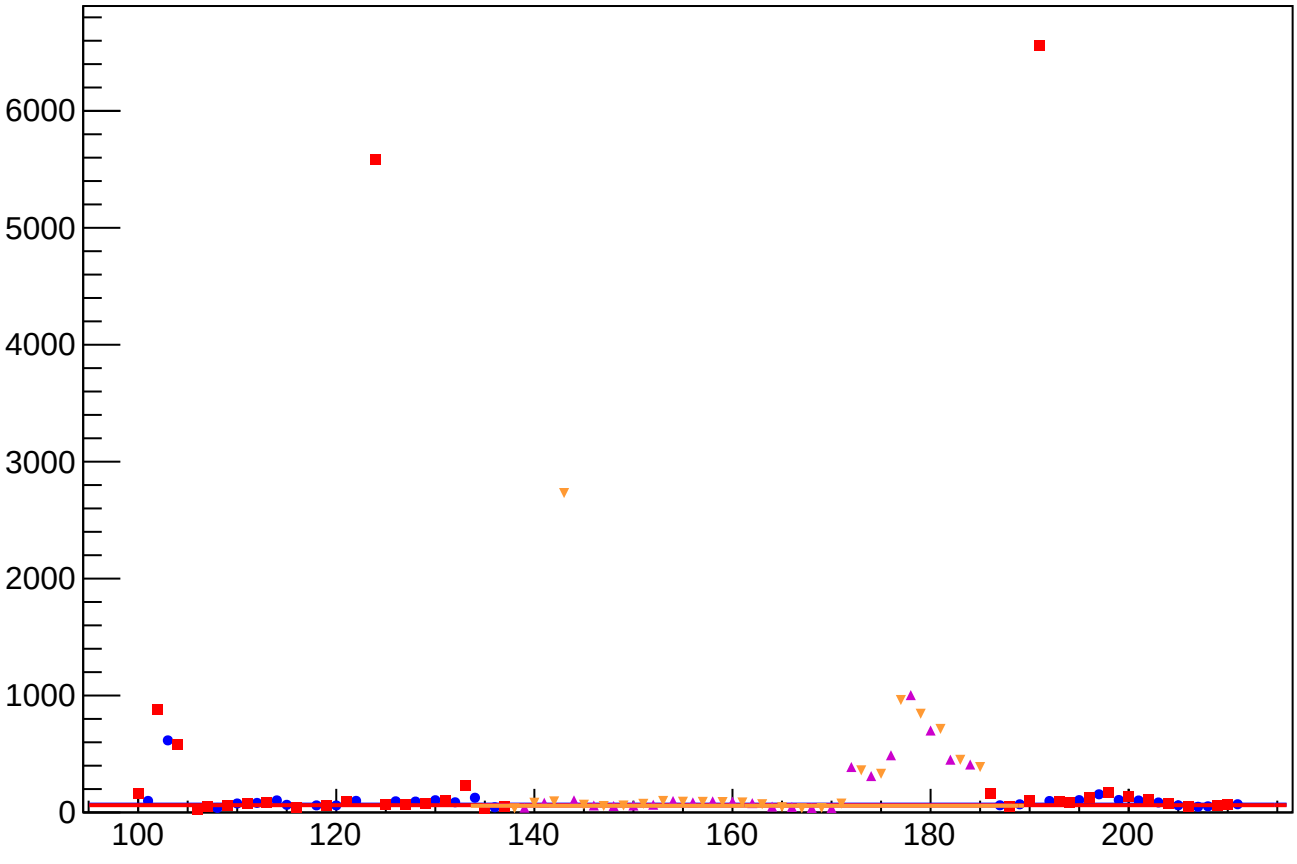
Right Out: -0.039+/-0.018 χ^2/NDF: 25.5/32

Left In: 0.019+/-0.017 χ^2/NDF:15.4/22

+ sign 0.037+/-0.013 χ^2/NDF: 55.8/52

All: 0.013+/-0.009 χ^2/NDF: 109.3/108

- sign -0.009+/-0.012 χ^2/NDF: 46.6/55



Right In: 66.973+/-0.013 χ^2/NDF: 4206175.3/27

Left Out: 57.258+/-0.012 χ^2/NDF:12321763.3/24

Right Out: 62.168+/-0.012 χ^2/NDF: 7281794.3/32

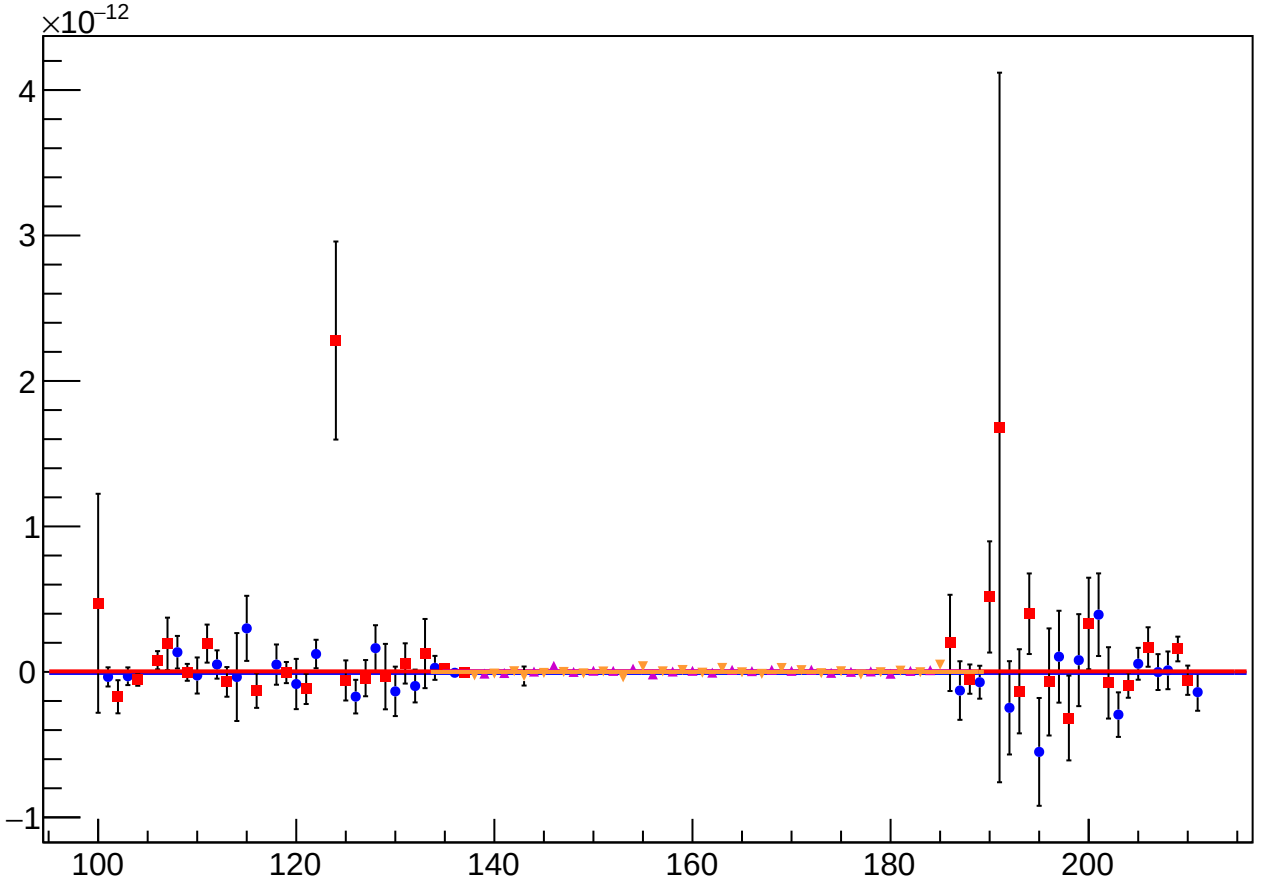
Left In: 58.582+/-0.012 χ^2/NDF:10247153.8/22

+ sign 61.721+/-0.009 χ^2/NDF: 16827006.6/52

All: 61.012+/-0.006 χ^2/NDF: 34411305.7/108

- sign 60.334+/-0.009 χ^2/NDF: 17571755.9/55

asym_at2_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 21.3/27

Left Out: -0.000+/-0.000 χ^2/NDF:18.8/24

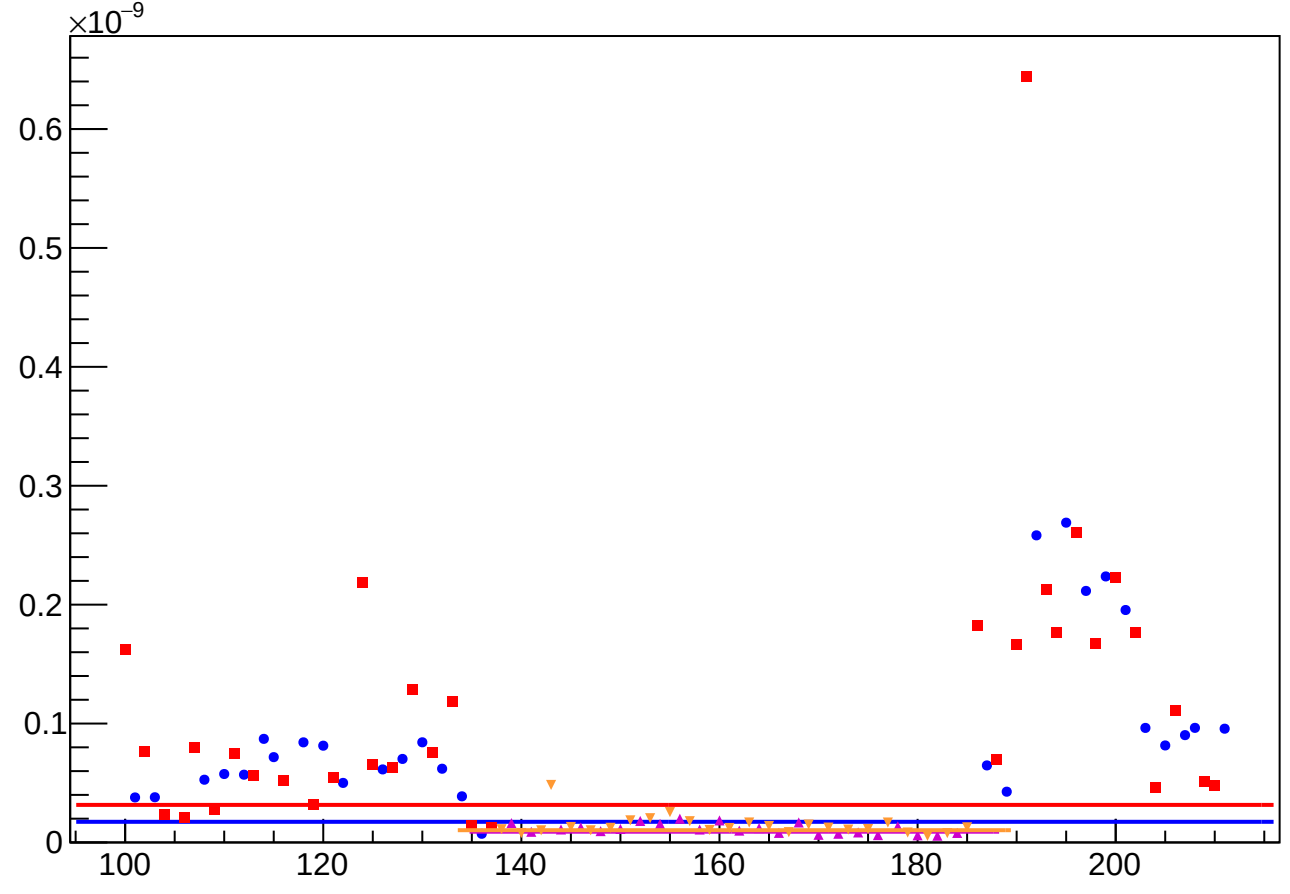
Right Out: 0.000+/-0.000 χ^2/NDF: 39.1/32

Left In: 0.000+/-0.000 χ^2/NDF:15.4/22

+ sign -0.000+/-0.000 χ^2/NDF: 40.5/52

All: 0.000+/-0.000 χ^2/NDF: 96.1/108

- sign 0.000+/-0.000 χ^2/NDF: 54.5/55



Right In: 0.000+/-0.000 χ^2/NDF: 13339512.0/27

Left Out: 0.000+/-0.000 χ^2/NDF:3643428.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9918144.7/32

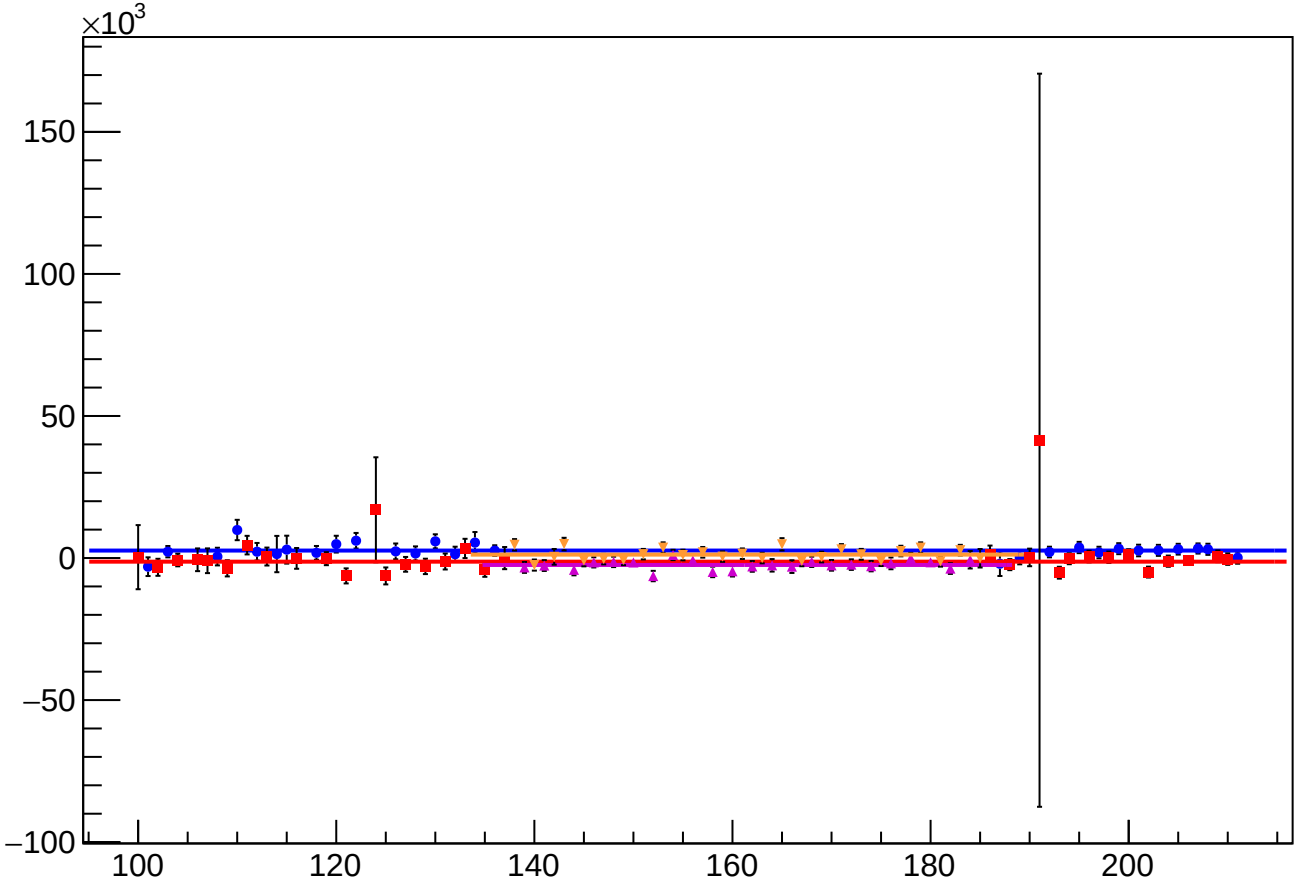
Left In: 0.000+/-0.000 χ^2/NDF:3047861.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 17889029.7/52

All: 0.000+/-0.000 χ^2/NDF: 35889008.9/108

- sign 0.000+/-0.000 χ^2/NDF: 17878517.6/55

reg_asym_atl1r2_avg_mean vs Slug



Right In: 2630.079+/-450.989 χ^2/NDF: 17.0/27

Left Out: 1202.401+/-389.137 χ^2/NDF:26.3/24

Right Out: -1279.500+/-443.197 χ^2/NDF: 28.9/32

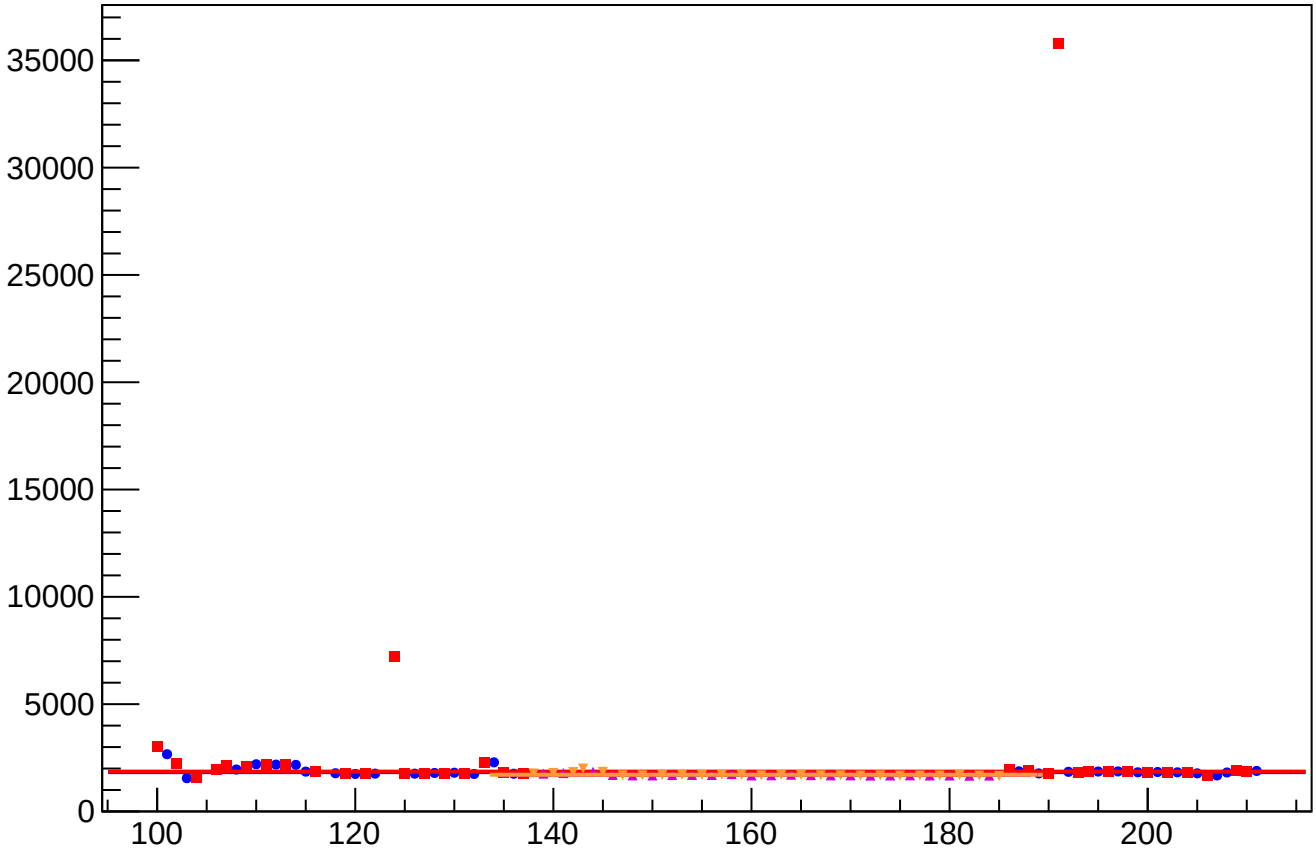
Left In: -2439.008+/-397.969 χ^2/NDF:17.5/22

+ sign 1811.697+/-294.622 χ^2/NDF: 49.1/52

All: -45.460+/-208.853 χ^2/NDF: 179.1/108

- sign -1921.419+/-296.110 χ^2/NDF: 50.2/55

reg_asym_atl1r2_avg_rms vs Slug



Right In: 1831.805+/-0.319 χ^2/NDF: 285897.2/27

Left Out: 1711.777+/-0.275 χ^2/NDF:60068.7/24

Right Out: 1856.127+/-0.313 χ^2/NDF: 543224.7/32

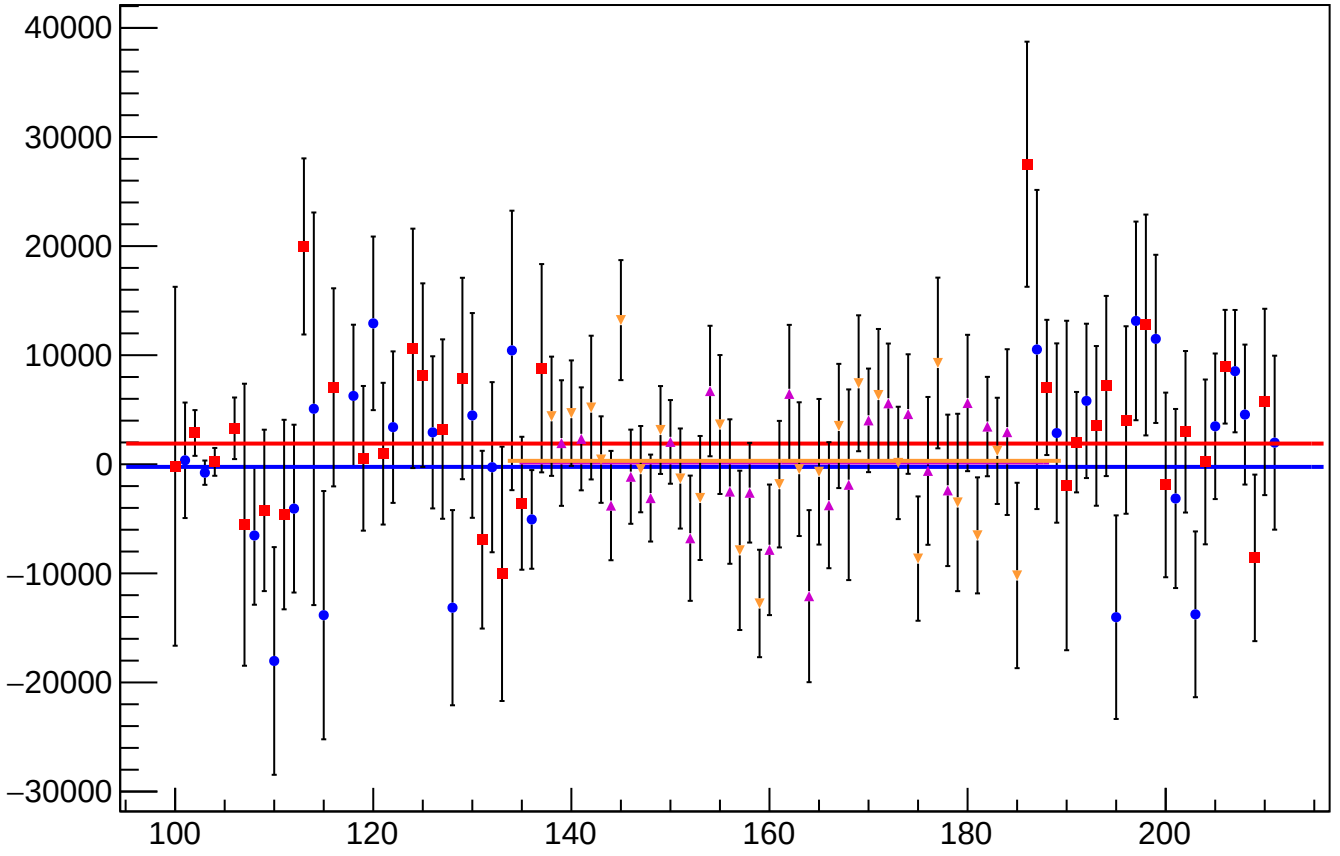
Left In: 1703.969+/-0.281 χ^2/NDF:22568.8/22

\+ sign 1763.002+/-0.208 χ^2/NDF: 427172.8/52

All: 1767.460+/-0.148 χ^2/NDF: 1124525.0/10

\- sign 1771.959+/-0.209 χ^2/NDF: 696432.1/55

asym_atl1r2_avg_reg_correction_mean vs Slug



Right In: -240.545+/-882.241 χ^2/NDF: 29.0/27

Left Out: 314.051+/-1091.976 χ^2/NDF:27.0/24

Right Out: 1897.160+/-830.000 χ^2/NDF: 26.2/32

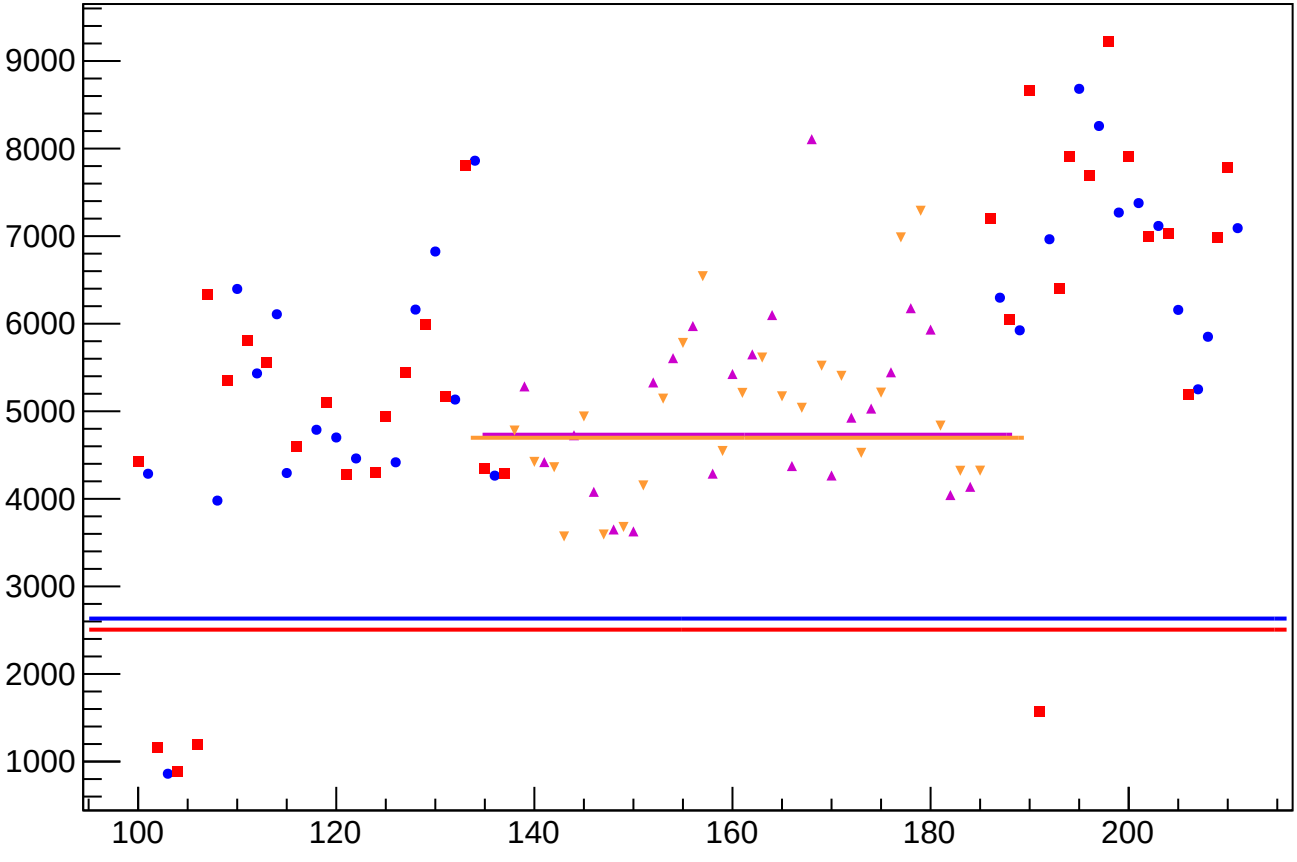
Left In: 157.968+/-1128.443 χ^2/NDF:14.7/22

\+ sign -21.508+/-686.252 χ^2/NDF: 56.2/52

All: 649.560+/-478.896 χ^2/NDF: 100.5/108

\- sign 1286.581+/-668.616 χ^2/NDF: 42.4/55

asym_atl1r2_avg_reg_correction_rms vs Slug



Right In: 2632.778+/-0.624 χ^2/NDF: 15126948.4/27

Left Out: 4697.622+/-0.772 χ^2/NDF:1239373.0/24

Right Out: 2506.137+/-0.587 χ^2/NDF: 16443486.1/32

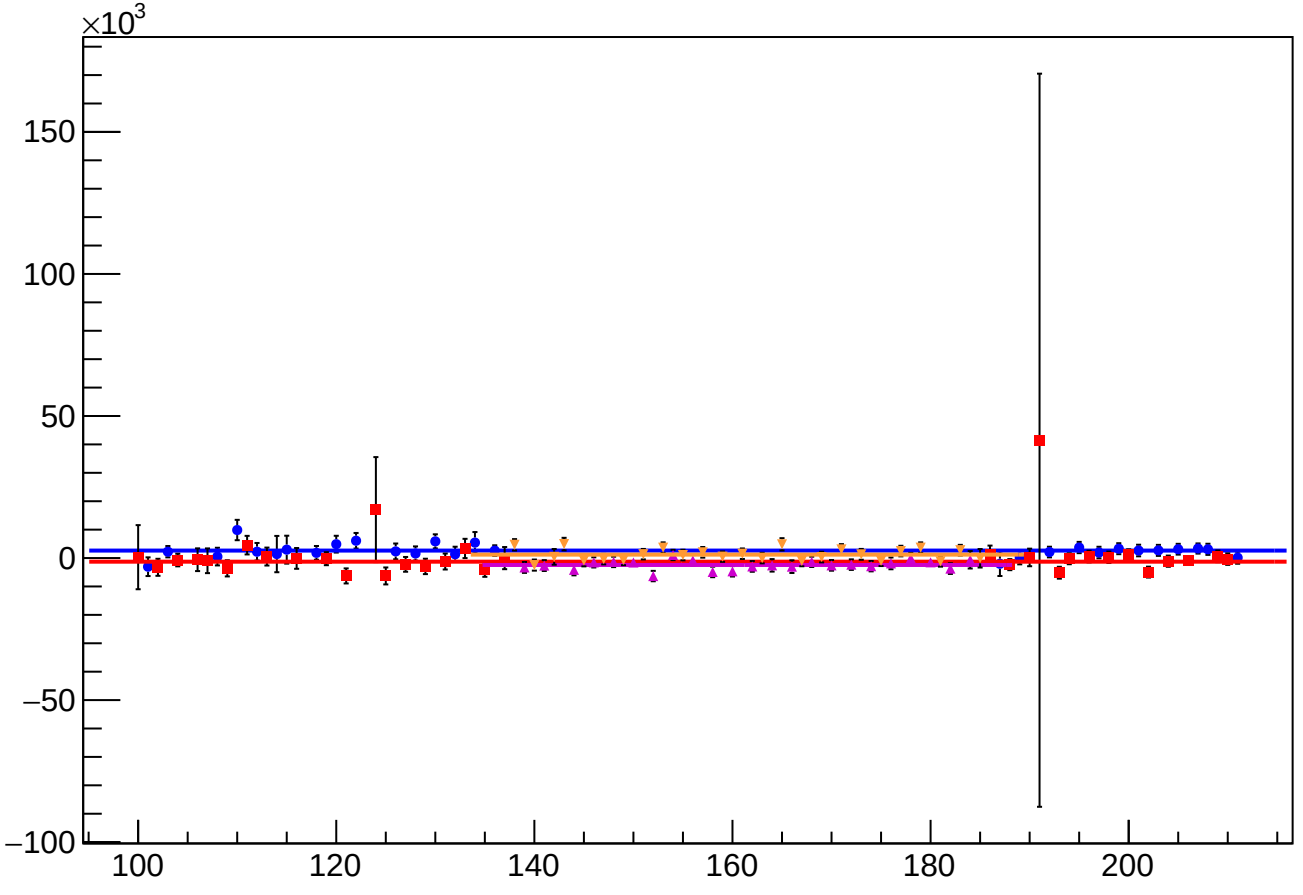
Left In: 4732.424+/-0.798 χ^2/NDF:1242793.9/22

+ sign 3448.286+/-0.485 χ^2/NDF: 20693158.3/52

All: 3365.913+/-0.339 χ^2/NDF: 43487227.4/1

- sign 3287.720+/-0.473 χ^2/NDF: 22737899.8/55

cor_asym_atl1r2_avg_mean vs Slug



Right In: 2630.240+/-450.989 χ^2/NDF: 17.0/27

Left Out: 1202.304+/-389.137 χ^2/NDF:26.3/24

Right Out: -1279.009+/-443.198 χ^2/NDF: 28.9/32

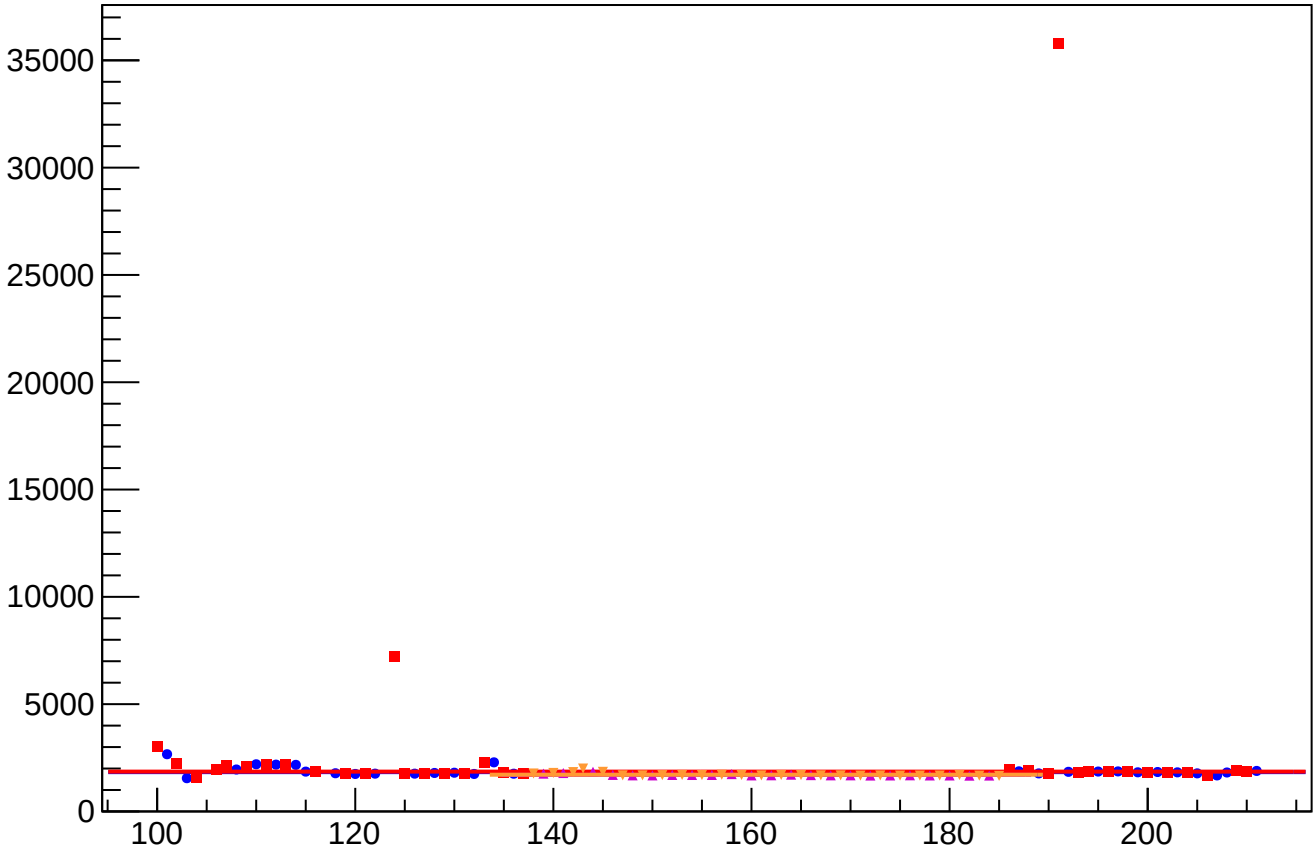
Left In: -2438.940+/-397.969 χ^2/NDF:17.5/22

+ sign 1811.710+/-294.622 χ^2/NDF: 49.1/52

All: -45.325+/-208.853 χ^2/NDF: 179.1/108

- sign -1921.163+/-296.110 χ^2/NDF: 50.2/55

cor_asym_atl1r2_avg_rms vs Slug



Right In: 1831.805+/-0.319 χ^2/NDF: 285897.1/27

Left Out: 1711.777+/-0.275 χ^2/NDF:60068.7/24

Right Out: 1856.301+/-0.313 χ^2/NDF: 543594.7/32

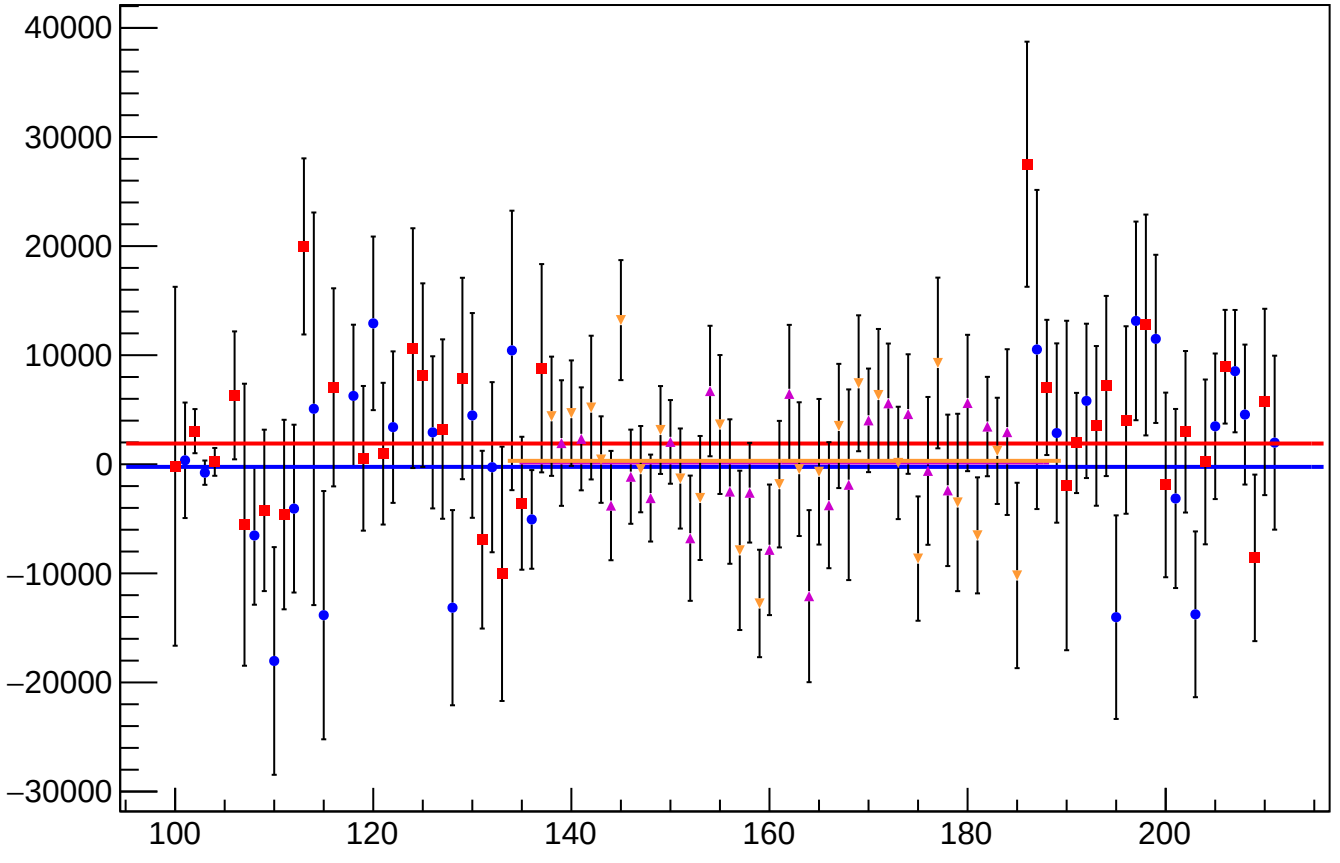
Left In: 1703.969+/-0.281 χ^2/NDF:22568.8/22

+ sign 1763.002+/-0.208 χ^2/NDF: 427172.7/52

All: 1767.495+/-0.148 χ^2/NDF: 1125196.1/10

- sign 1772.030+/-0.209 χ^2/NDF: 697088.7/55

asym_atl1r2_avg_cor_correction_mean vs Slug



Right In: -240.169+/-882.200 χ^2/NDF: 29.0/27

Left Out: 314.084+/-1091.975 χ^2/NDF:27.0/24

Right Out: 1901.234+/-853.687 χ^2/NDF: 26.6/32

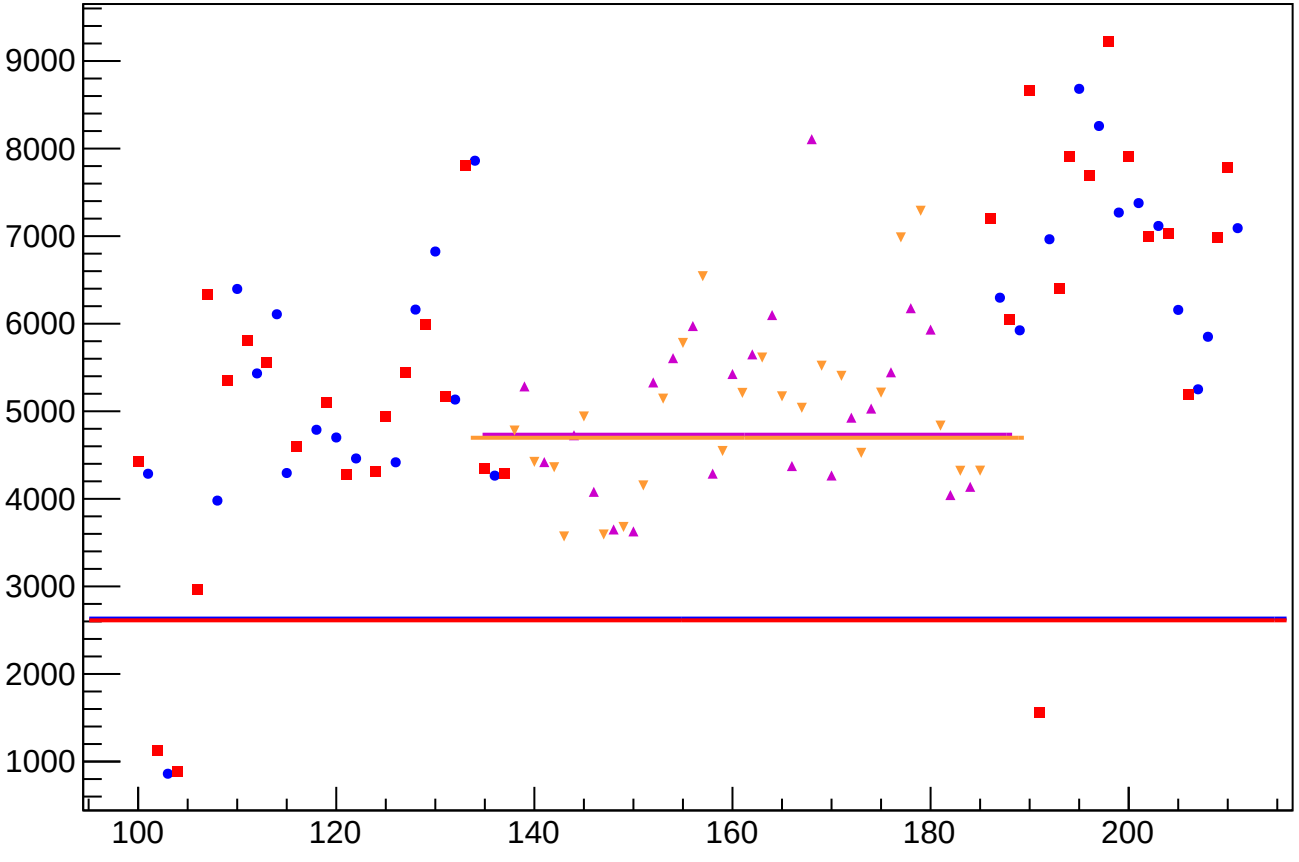
Left In: 157.977+/-1128.443 χ^2/NDF:14.7/22

\+ sign -21.280+/-686.232 χ^2/NDF: 56.2/52

All: 627.812+/-483.312 χ^2/NDF: 100.8/108

\- sign 1266.695+/-680.814 χ^2/NDF: 42.8/55

asym_atl1r2_avg_cor_correction_rms vs Slug



Right In: 2632.578+/-0.624 χ^2/NDF: 15128014.8/27

Left Out: 4697.618+/-0.772 χ^2/NDF:1239387.1/24

Right Out: 2612.583+/-0.604 χ^2/NDF: 16104022.9/32

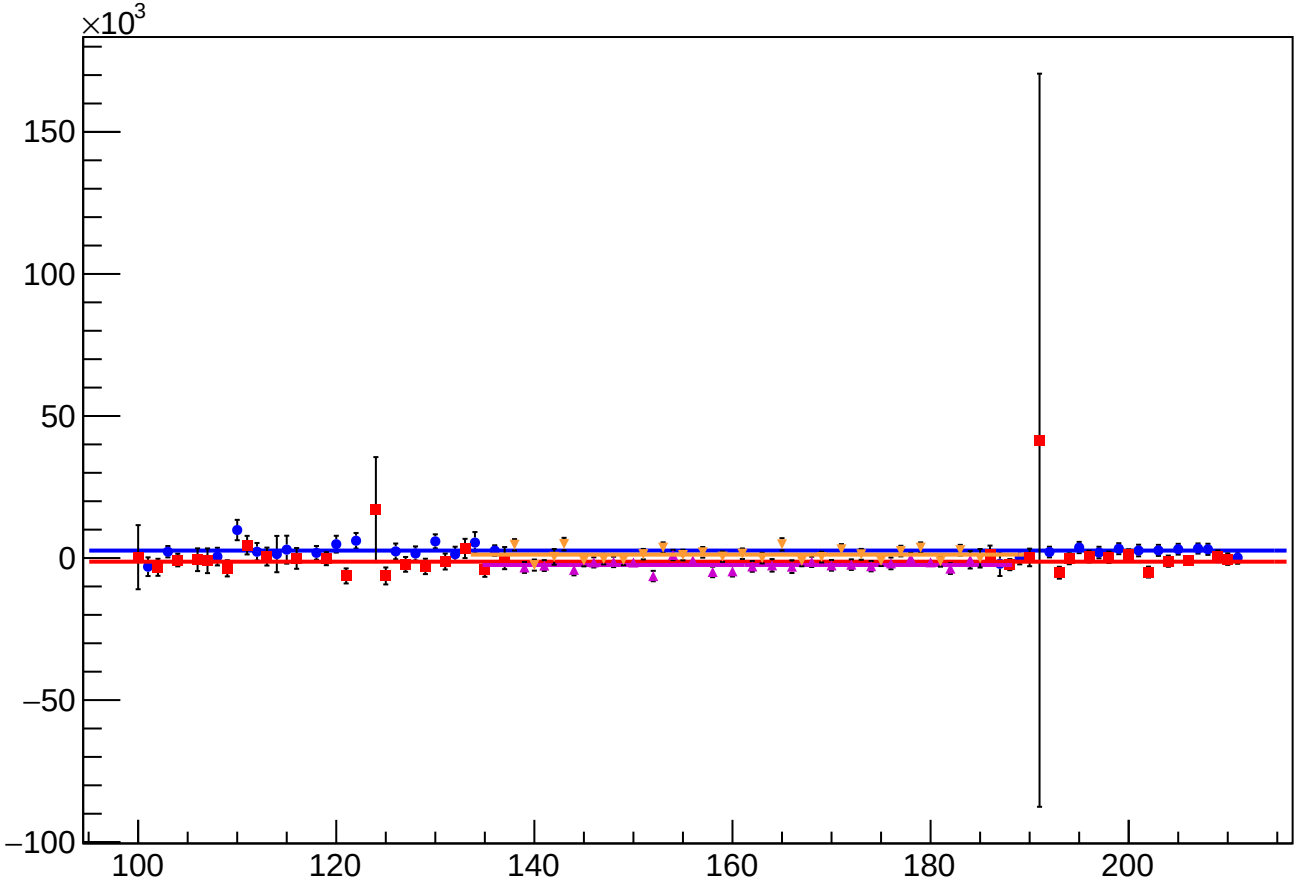
Left In: 4732.421+/-0.798 χ^2/NDF:1242809.3/22

+ sign 3448.118+/-0.485 χ^2/NDF: 20695223.2/52

All: 3415.904+/-0.342 χ^2/NDF: 42539656.0/1

- sign 3384.197+/-0.481 χ^2/NDF: 21835687.5/55

eigen_cor_asym_atl1r2_avg_mean vs Slug



Right In: 2630.240+/-450.989 χ^2/NDF: 17.0/27

Left Out: 1202.304+/-389.137 χ^2/NDF:26.3/24

Right Out: -1279.009+/-443.198 χ^2/NDF: 28.9/32

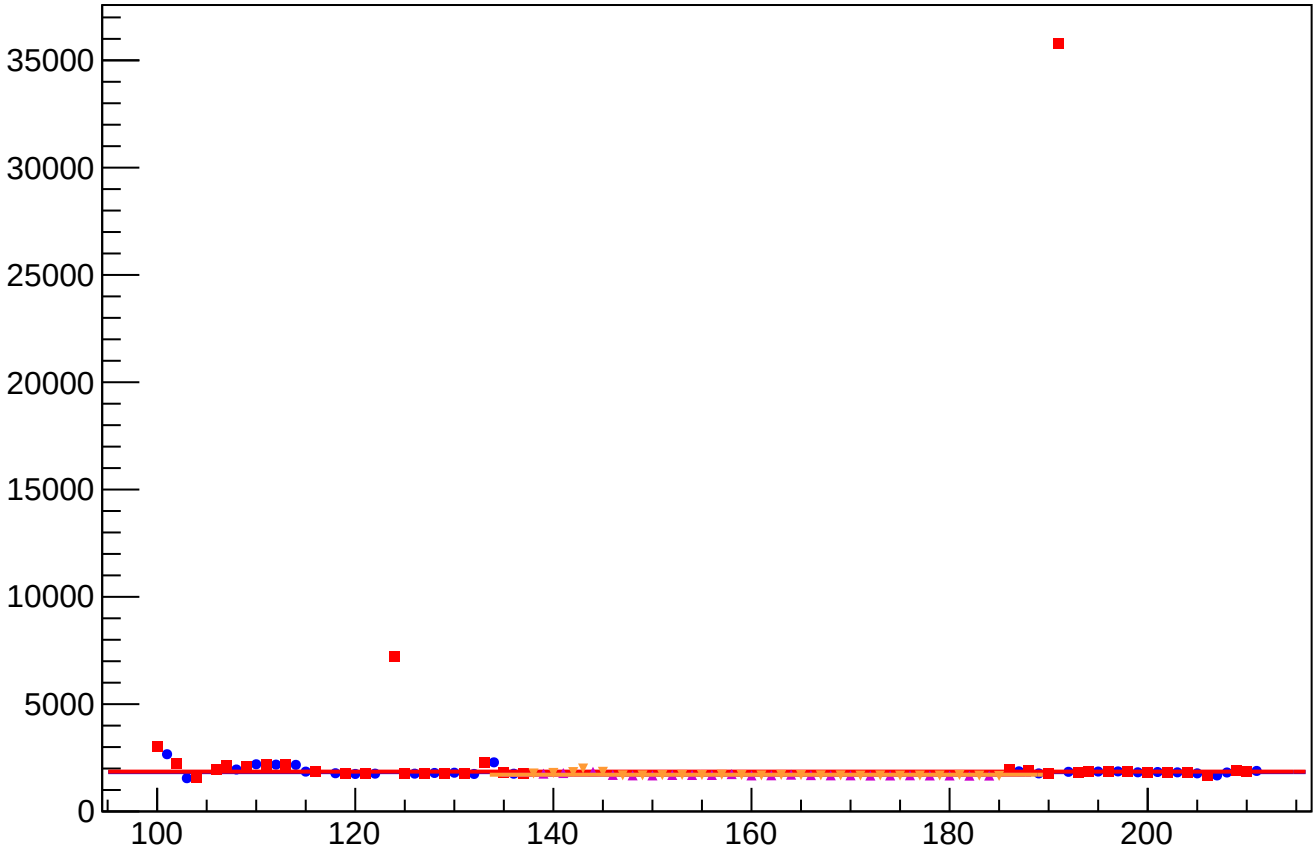
Left In: -2438.940+/-397.969 χ^2/NDF:17.5/22

+ sign 1811.710+/-294.622 χ^2/NDF: 49.1/52

All: -45.325+/-208.853 χ^2/NDF: 179.1/108

- sign -1921.163+/-296.110 χ^2/NDF: 50.2/55

eigen_cor_asym_atl1r2_avg_rms vs Slug



Right In: 1831.805+/-0.319 χ^2/NDF: 285897.1/27

Left Out: 1711.777+/-0.275 χ^2/NDF:60068.7/24

Right Out: 1856.301+/-0.313 χ^2/NDF: 543594.7/32

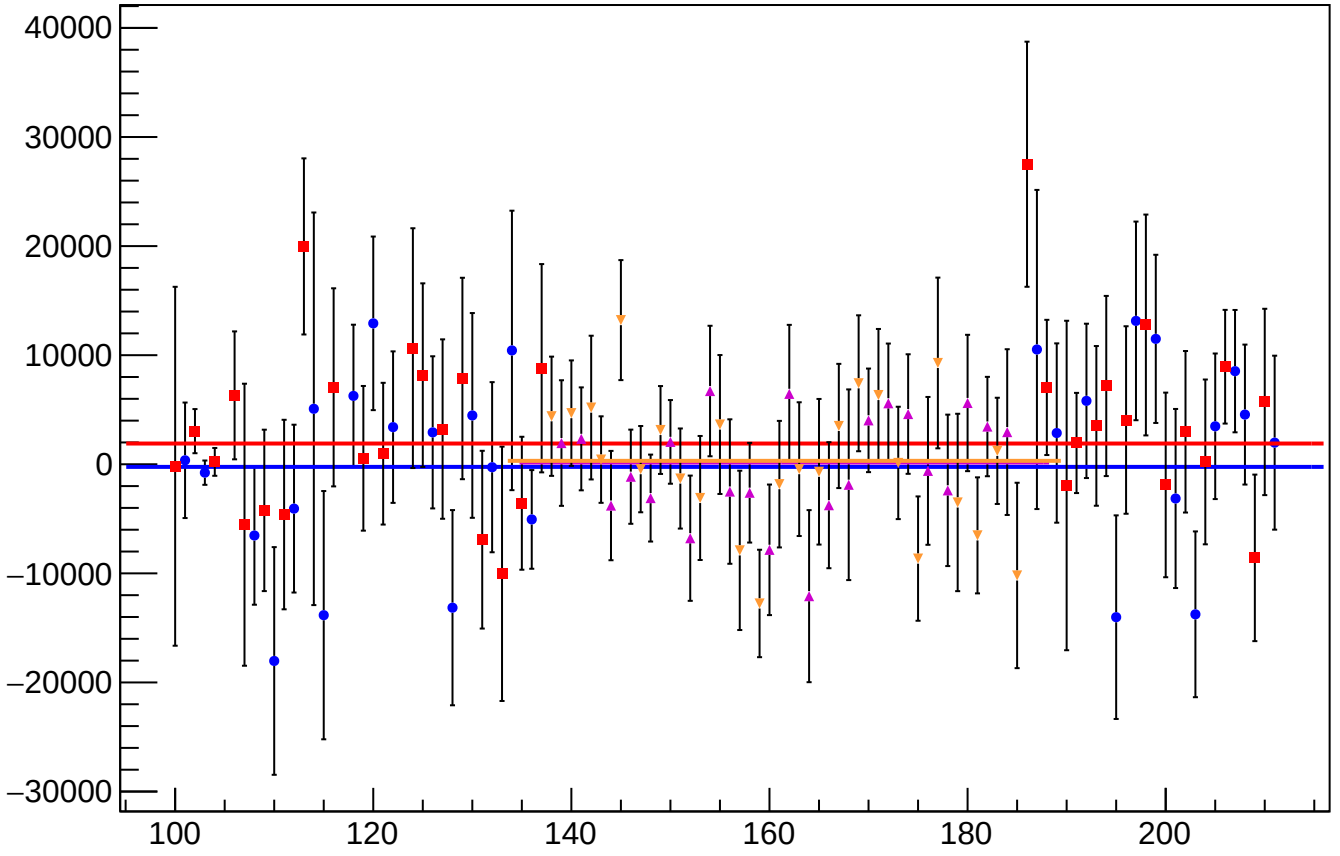
Left In: 1703.969+/-0.281 χ^2/NDF:22568.8/22

+ sign 1763.002+/-0.208 χ^2/NDF: 427172.7/52

All: 1767.495+/-0.148 χ^2/NDF: 1125196.1/10

- sign 1772.030+/-0.209 χ^2/NDF: 697088.7/55

asym_atl1r2_avg_eigen_cor_correction_mean vs Slug



Right In: -240.169+/-882.200 χ^2/NDF: 29.0/27

Left Out: 314.084+/-1091.975 χ^2/NDF:27.0/24

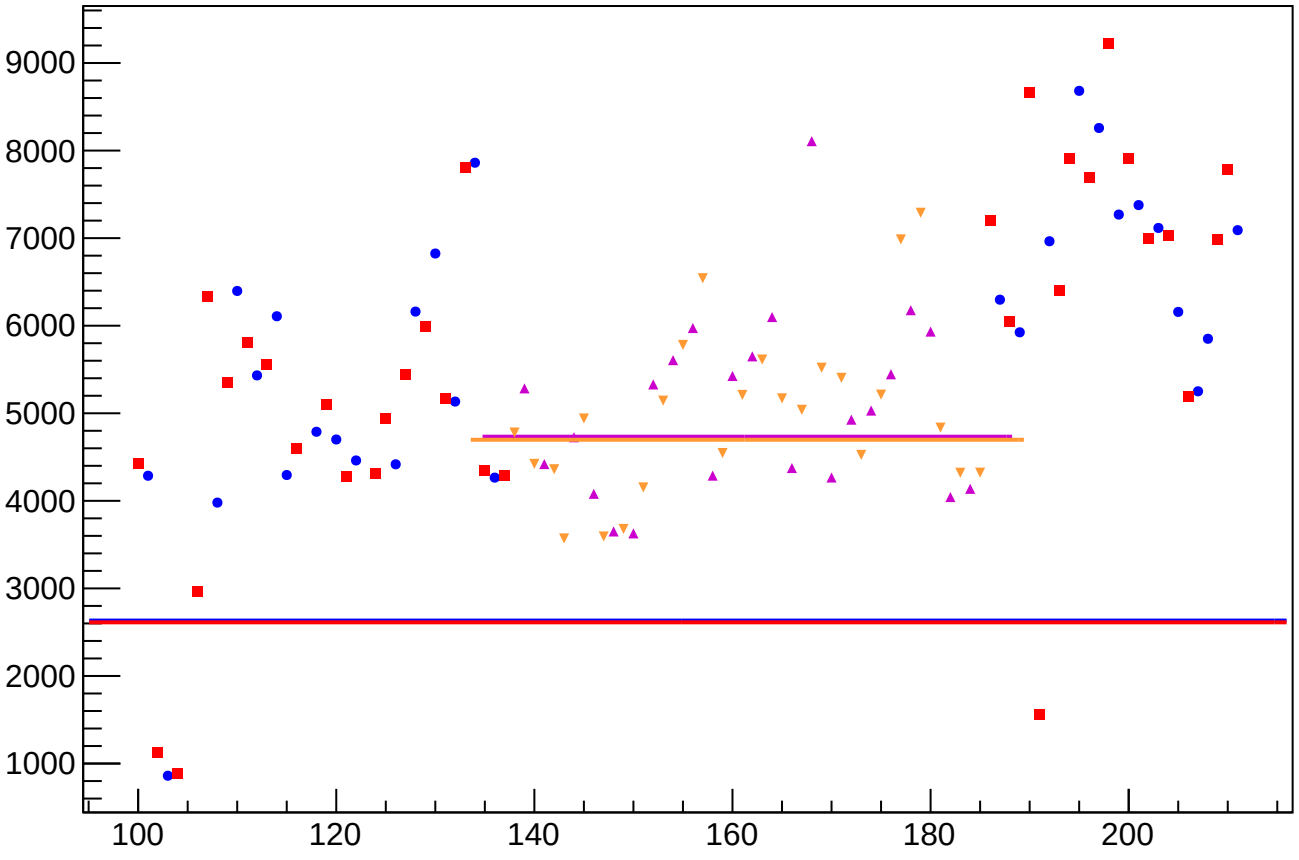
Right Out: 1901.234+/-853.687 χ^2/NDF: 26.6/32

Left In: 157.977+/-1128.443 χ^2/NDF:14.7/22

\+ sign -21.280+/-686.232 χ^2/NDF: 56.2/52

All: 627.812+/-483.312 χ^2/NDF: 100.8/108

\- sign 1266.695+/-680.814 χ^2/NDF: 42.8/55



Right In: 2632.578+/-0.624 χ^2/NDF: 15128014.8/27

Left Out: 4697.618+/-0.772 χ^2/NDF:1239387.1/24

Right Out: 2612.583+/-0.604 χ^2/NDF: 16104022.9/32

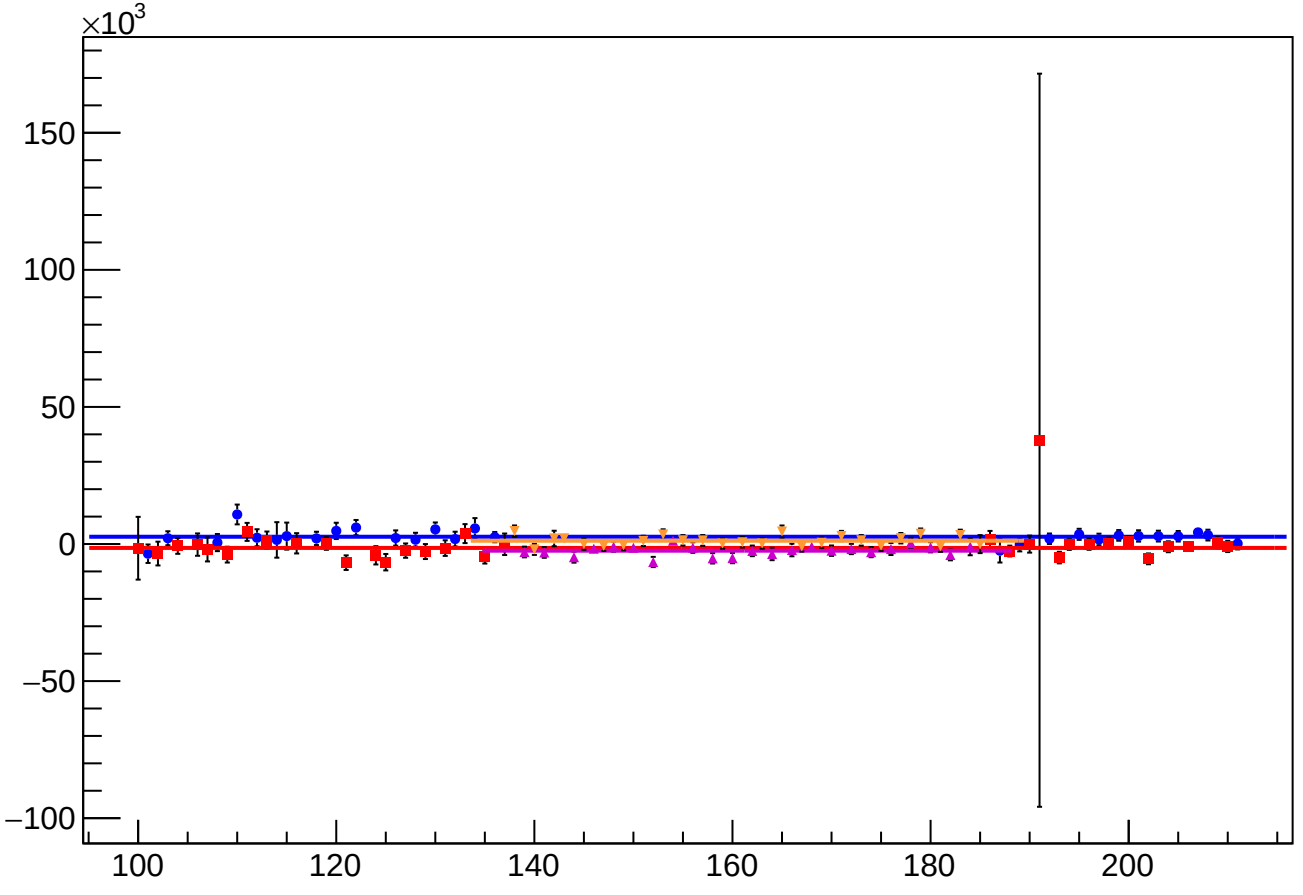
Left In: 4732.421+/-0.798 χ^2/NDF:1242809.3/22

+ sign 3448.118+/-0.485 χ^2/NDF: 20695223.2/52

All: 3415.904+/-0.342 χ^2/NDF: 42539656.0/1

- sign 3384.197+/-0.481 χ^2/NDF: 21835687.5/55

dit_asym_atl1r2_avg_mean vs Slug



Right In: 2652.992+/-460.792 χ^2/NDF: 18.7/27

Left Out: 1197.362+/-392.981 χ^2/NDF:19.5/24

Right Out: -1425.865+/-450.794 χ^2/NDF: 30.3/32

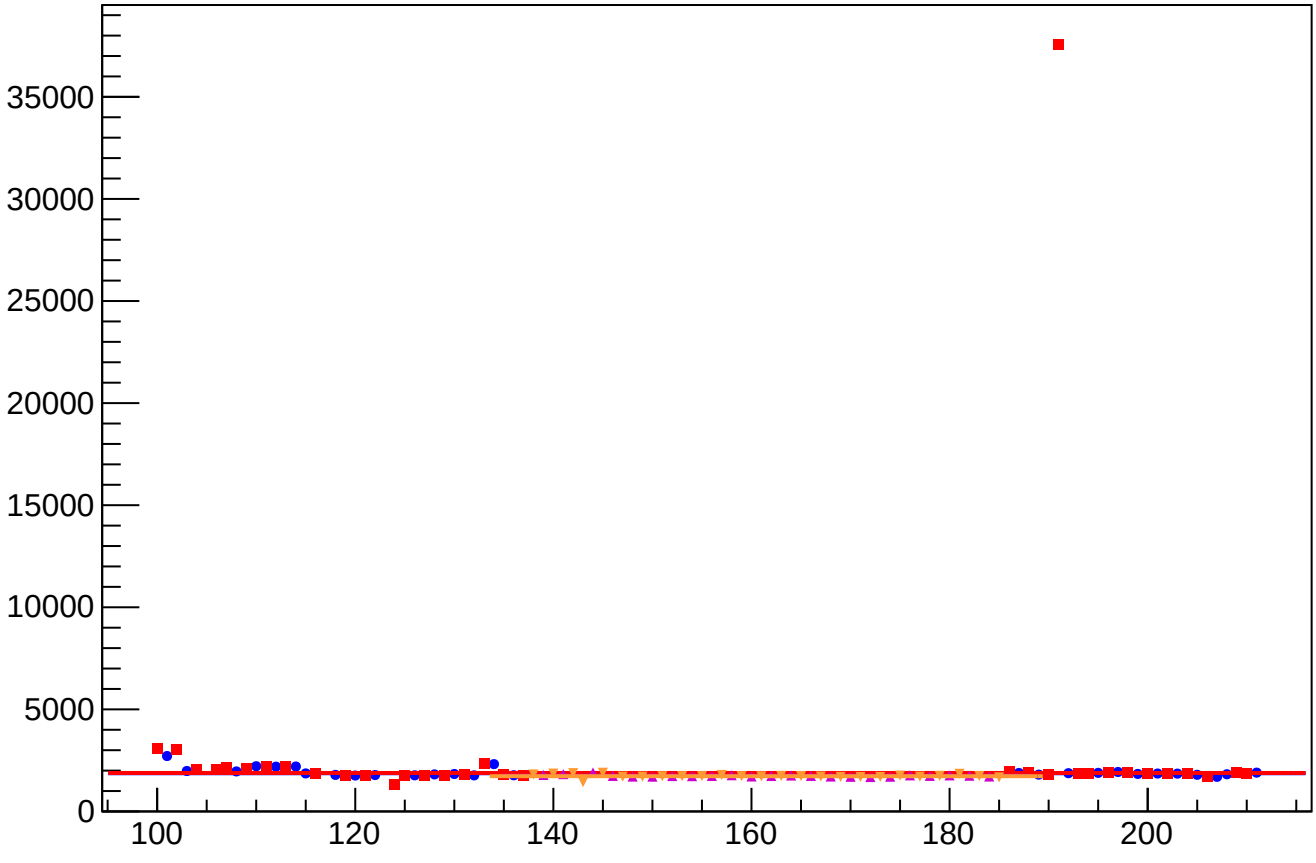
Left In: -2438.062+/-407.551 χ^2/NDF:20.6/22

+ sign 1810.289+/-299.009 χ^2/NDF: 44.0/52

All: -65.400+/-212.591 χ^2/NDF: 177.3/108

- sign -1982.827+/-302.317 χ^2/NDF: 53.7/55

dit_asym_atl1r2_avg_rms vs Slug



Right In: 1871.966+/-0.326 χ^2/NDF: 252022.7/27

Left Out: 1727.235+/-0.278 χ^2/NDF:110270.9/24

Right Out: 1884.840+/-0.319 χ^2/NDF: 520954.7/32

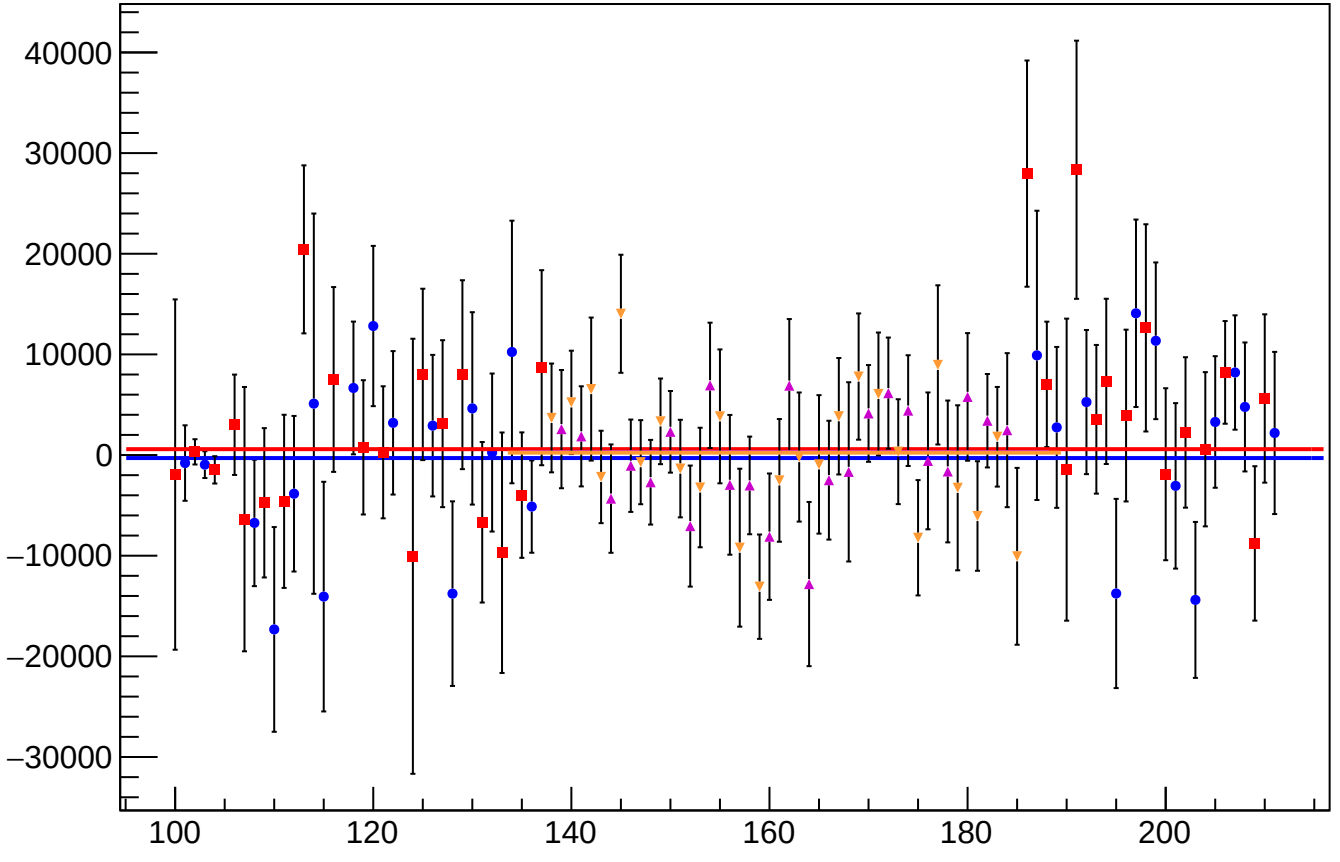
Left In: 1744.633+/-0.288 χ^2/NDF:26798.0/22

+ sign 1788.177+/-0.211 χ^2/NDF: 476519.6/52

All: 1797.839+/-0.150 χ^2/NDF: 1134989.1/10

- sign 1807.713+/-0.214 χ^2/NDF: 654247.2/55

asym_atl1r2_avg_dit_correction_mean vs Slug



Right In: -299.816+/-964.714 χ^2/NDF: 28.9/27

Left Out: 241.131+/-1140.961 χ^2/NDF:26.7/24

Right Out: 585.066+/-778.275 χ^2/NDF: 32.8/32

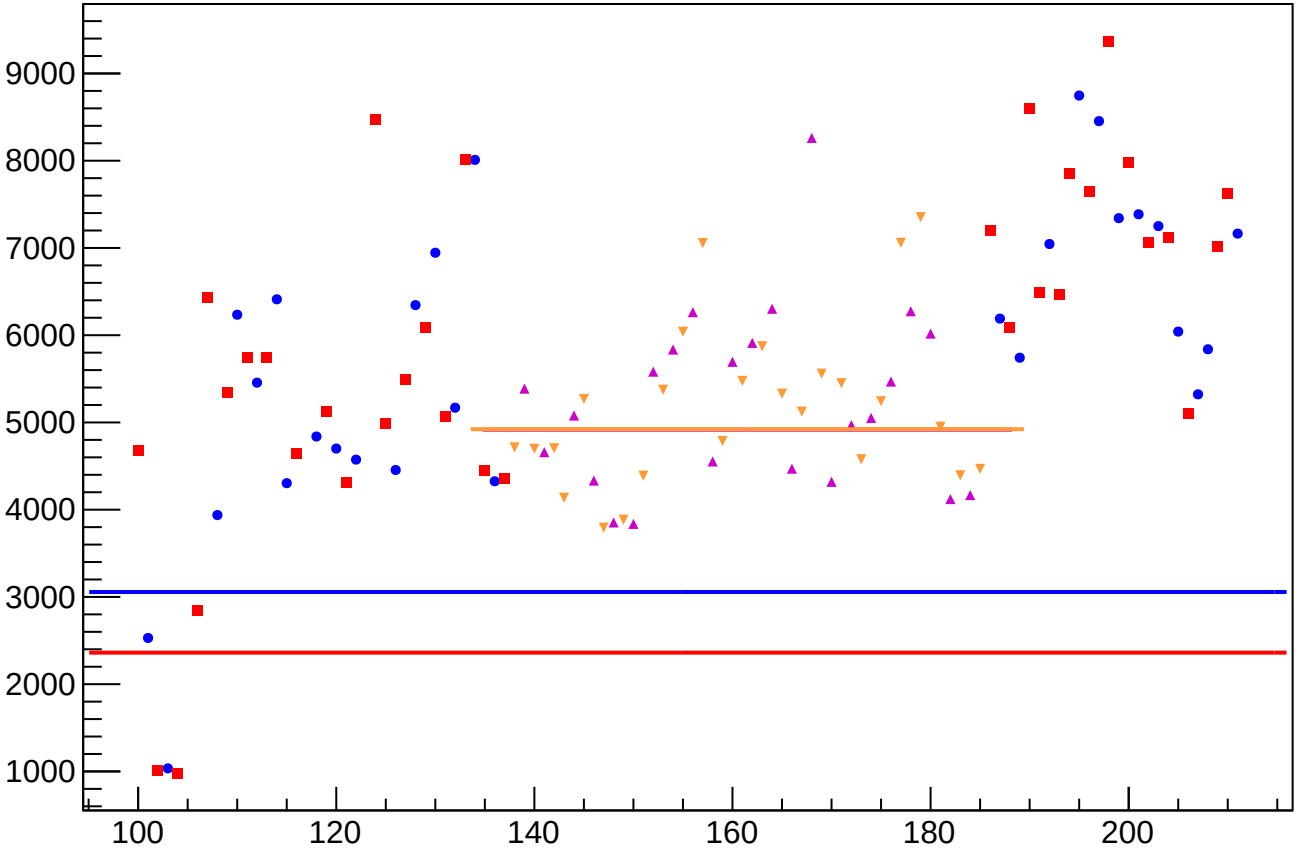
Left In: 306.106+/-1171.019 χ^2/NDF:14.5/22

+ sign -74.305+/-736.677 χ^2/NDF: 55.8/52

All: 249.173+/-486.628 χ^2/NDF: 103.4/108

- sign 499.599+/-648.178 χ^2/NDF: 47.3/55

asym_atl1r2_avg_dit_correction_rms vs Slug



Right In: 3056.922+/-0.682 χ^2/NDF: 12474025.7/27

Left Out: 4922.380+/-0.807 χ^2/NDF:1050408.0/24

Right Out: 2361.551+/-0.550 χ^2/NDF: 17583239.7/32

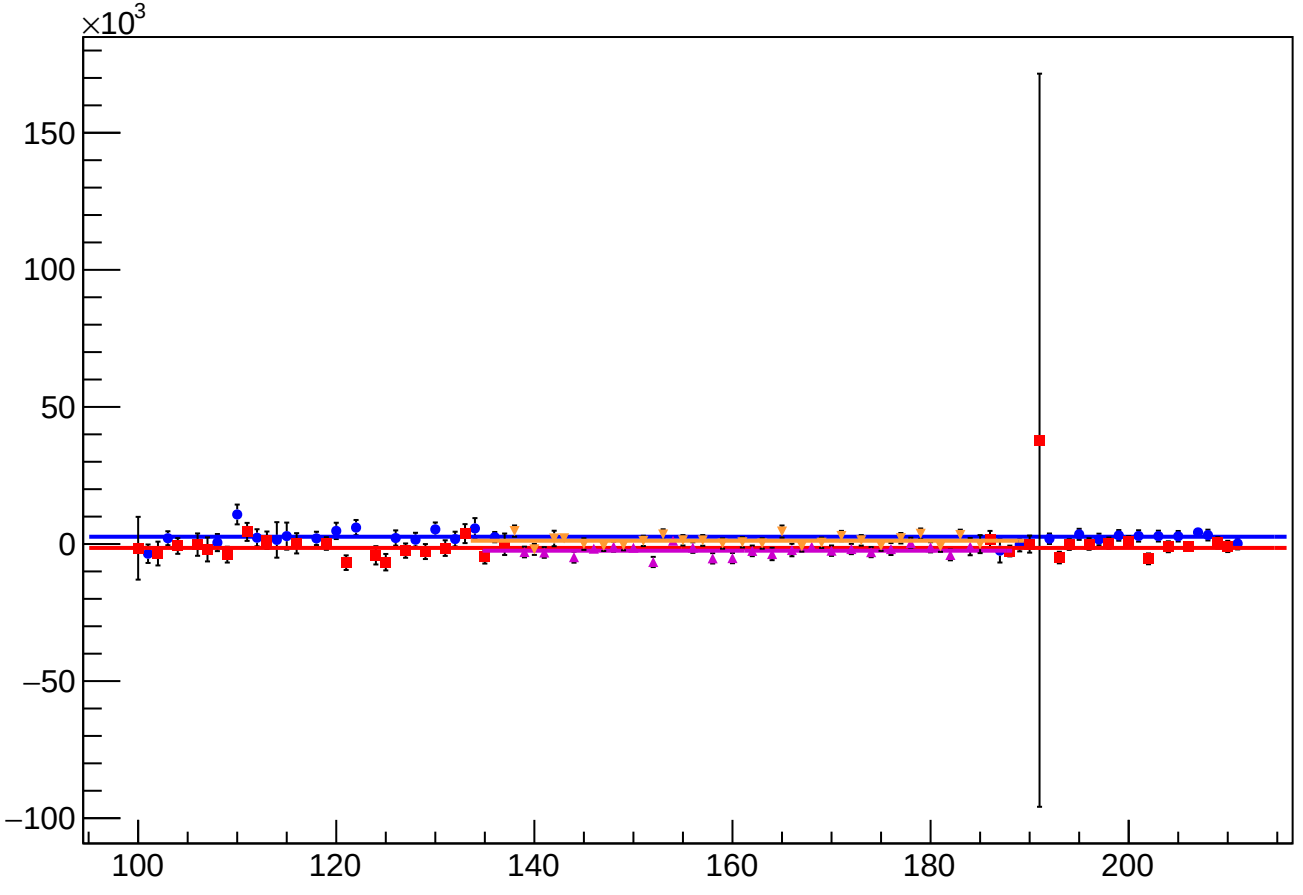
Left In: 4916.964+/-0.828 χ^2/NDF:1161642.5/22

+ sign 3834.597+/-0.521 χ^2/NDF: 16642005.6/52

All: 3445.615+/-0.344 χ^2/NDF: 42982302.3/1

- sign 3144.479+/-0.458 χ^2/NDF: 25350995.4/55

eigen_dit_asym_atl1r2_avg_mean vs Slug



Right In: 2652.989+/-460.792 χ^2/NDF: 18.7/27

Left Out: 1197.356+/-392.981 χ^2/NDF:19.5/24

Right Out: -1425.865+/-450.794 χ^2/NDF: 30.3/32

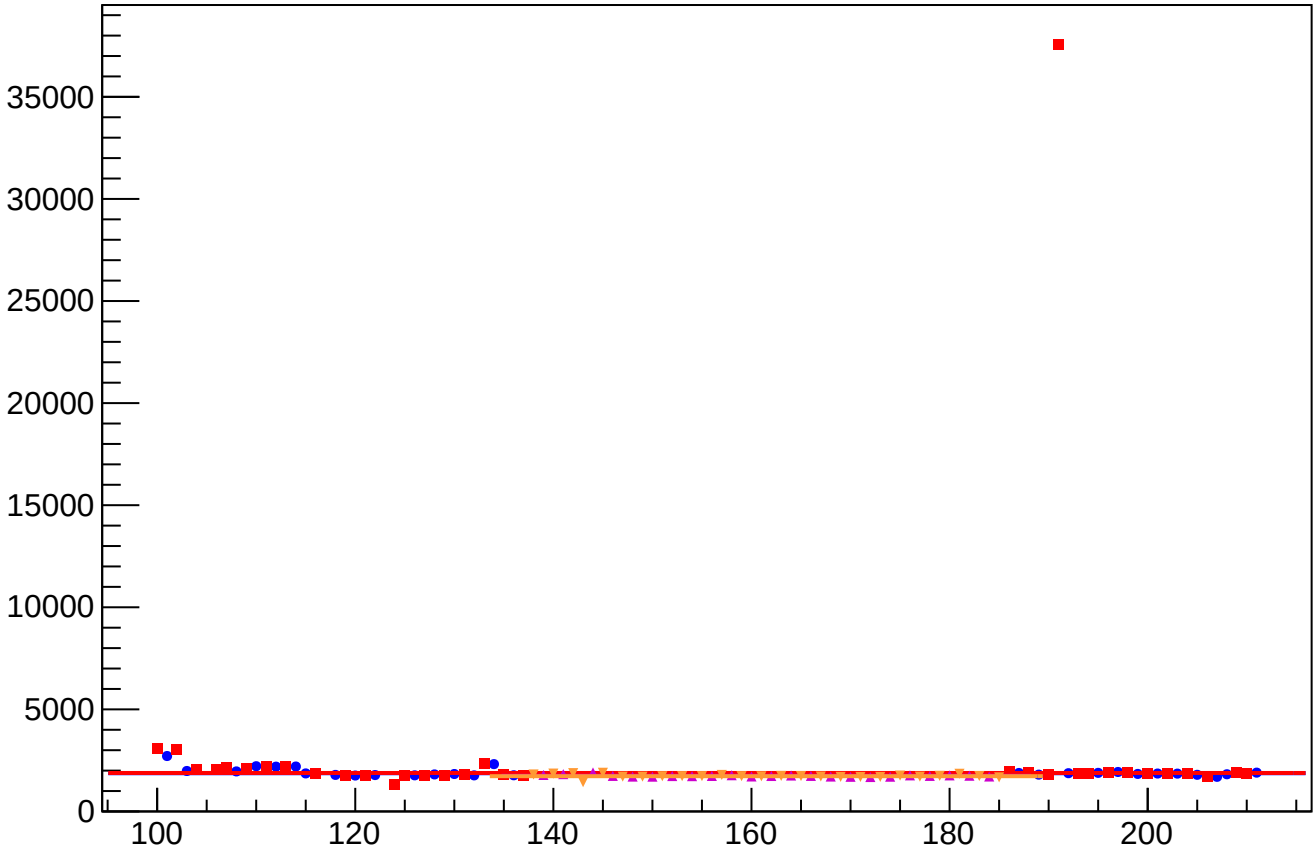
Left In: -2438.062+/-407.552 χ^2/NDF:20.6/22

+ sign 1810.284+/-299.009 χ^2/NDF: 44.0/52

All: -65.402+/-212.591 χ^2/NDF: 177.3/108

- sign -1982.828+/-302.317 χ^2/NDF: 53.7/55

eigen_dit_asym_atl1r2_avg_rms vs Slug



Right In: 1871.965+/-0.326 χ^2/NDF: 252022.6/27

Left Out: 1727.236+/-0.278 χ^2/NDF:110269.9/24

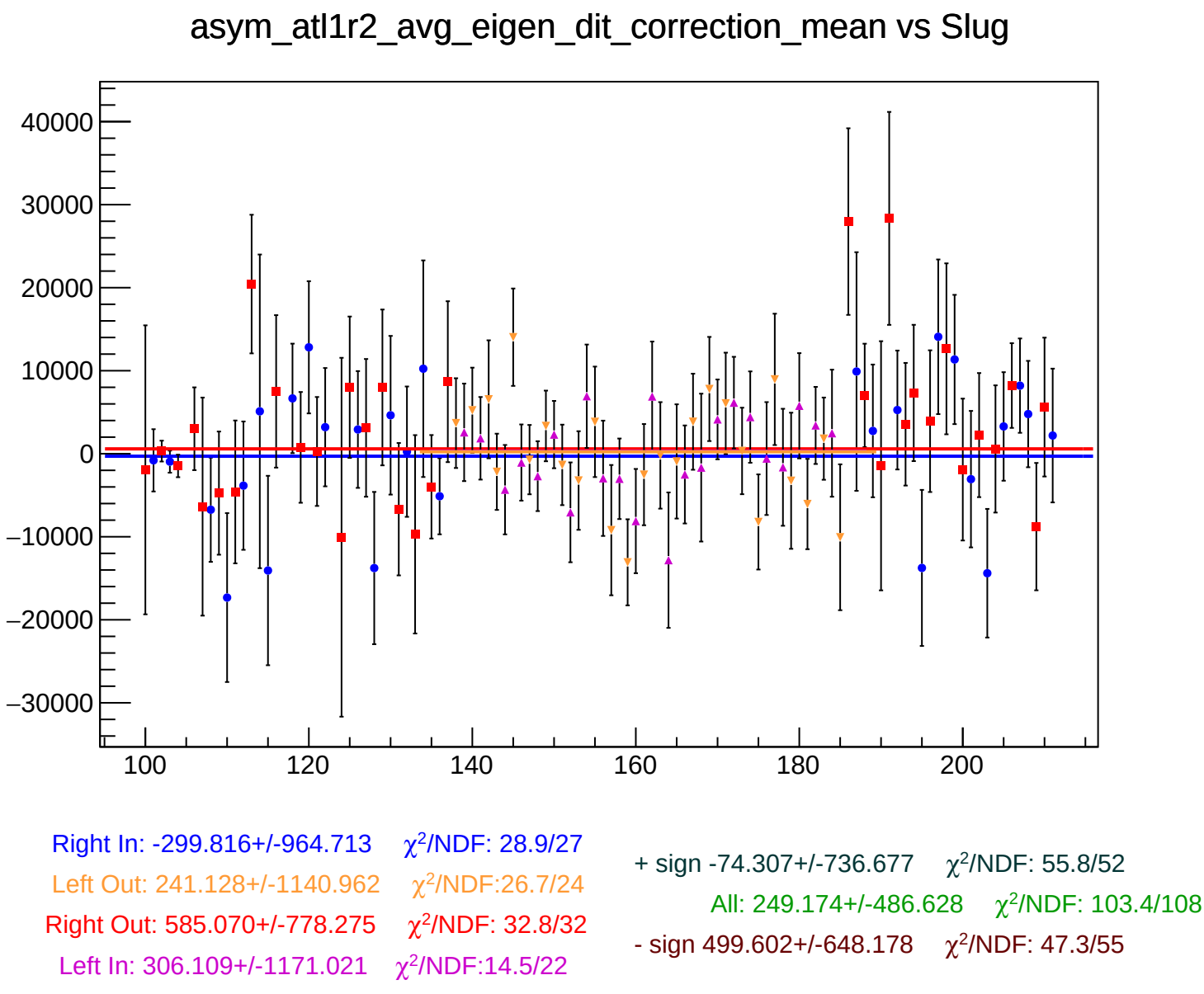
Right Out: 1884.839+/-0.319 χ^2/NDF: 520953.5/32

Left In: 1744.633+/-0.288 χ^2/NDF:26798.0/22

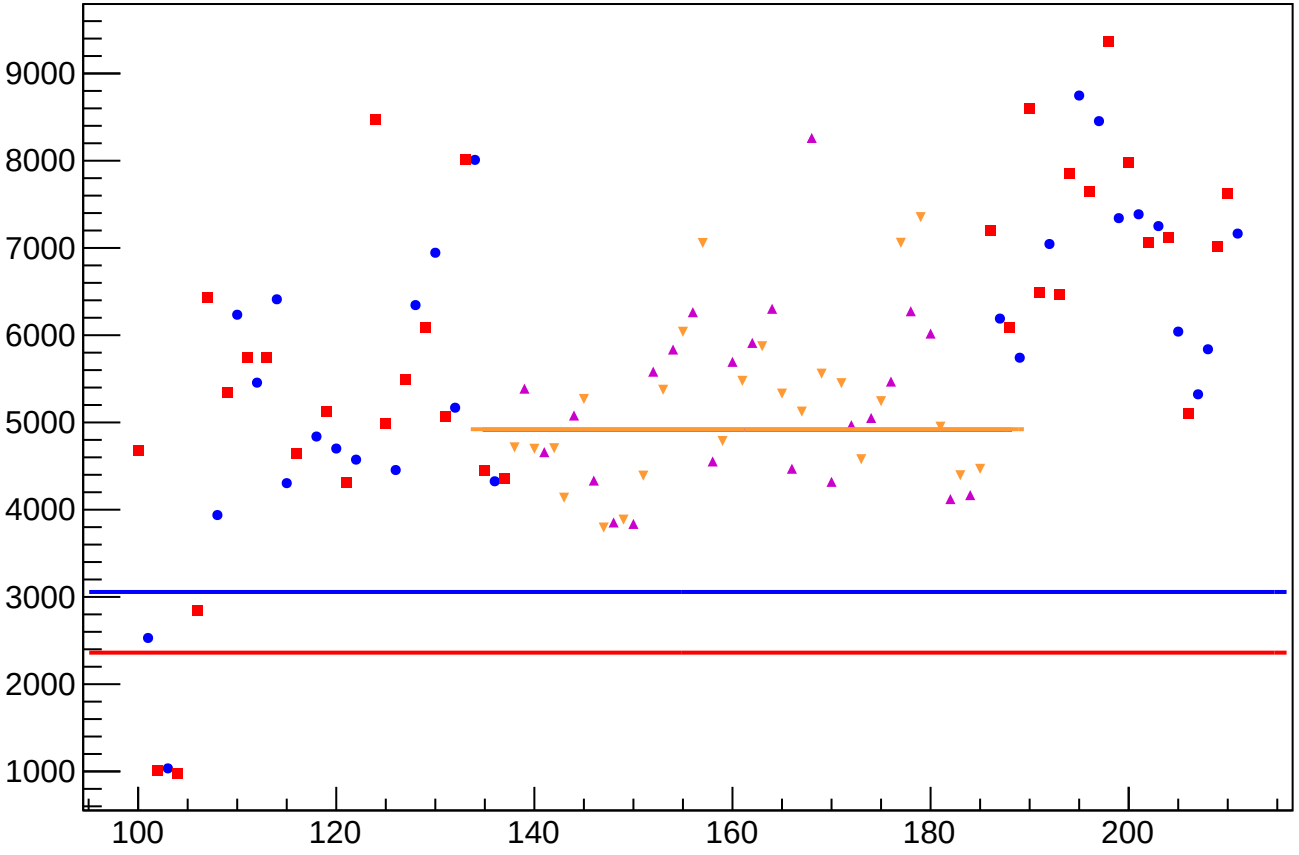
+ sign 1788.178+/-0.211 χ^2/NDF: 476516.8/52

All: 1797.839+/-0.150 χ^2/NDF: 1134983.7/10

- sign 1807.713+/-0.214 χ^2/NDF: 654244.6/55


asym_atl1r2_avg_eigen_dit_correction_mean vs Slug
40000
30000
20000
10000
0
−10000
−20000
−30000
100
120
140
160
180
200
Right In: -299.816+/-964.713 χ²/NDF: 28.9/27
Left Out: 241.128+/-1140.962 χ²/NDF:26.7/24
Right Out: 585.070+/-778.275 χ²/NDF: 32.8/32
Left In: 306.109+/-1171.021 χ²/NDF:14.5/22
+ sign -74.307+/-736.677 χ²/NDF: 55.8/52
All: 249.174+/-486.628 χ²/NDF: 103.4/108
- sign 499.602+/-648.178 χ²/NDF: 47.3/55

asym_atl1r2_avg_eigen_dit_correction_rms vs Slug



Right In: 3056.920+/-0.682 χ^2/NDF: 12474035.4/27

Left Out: 4922.388+/-0.807 χ^2/NDF:1050409.4/24

Right Out: 2361.550+/-0.550 χ^2/NDF: 17583243.8/32

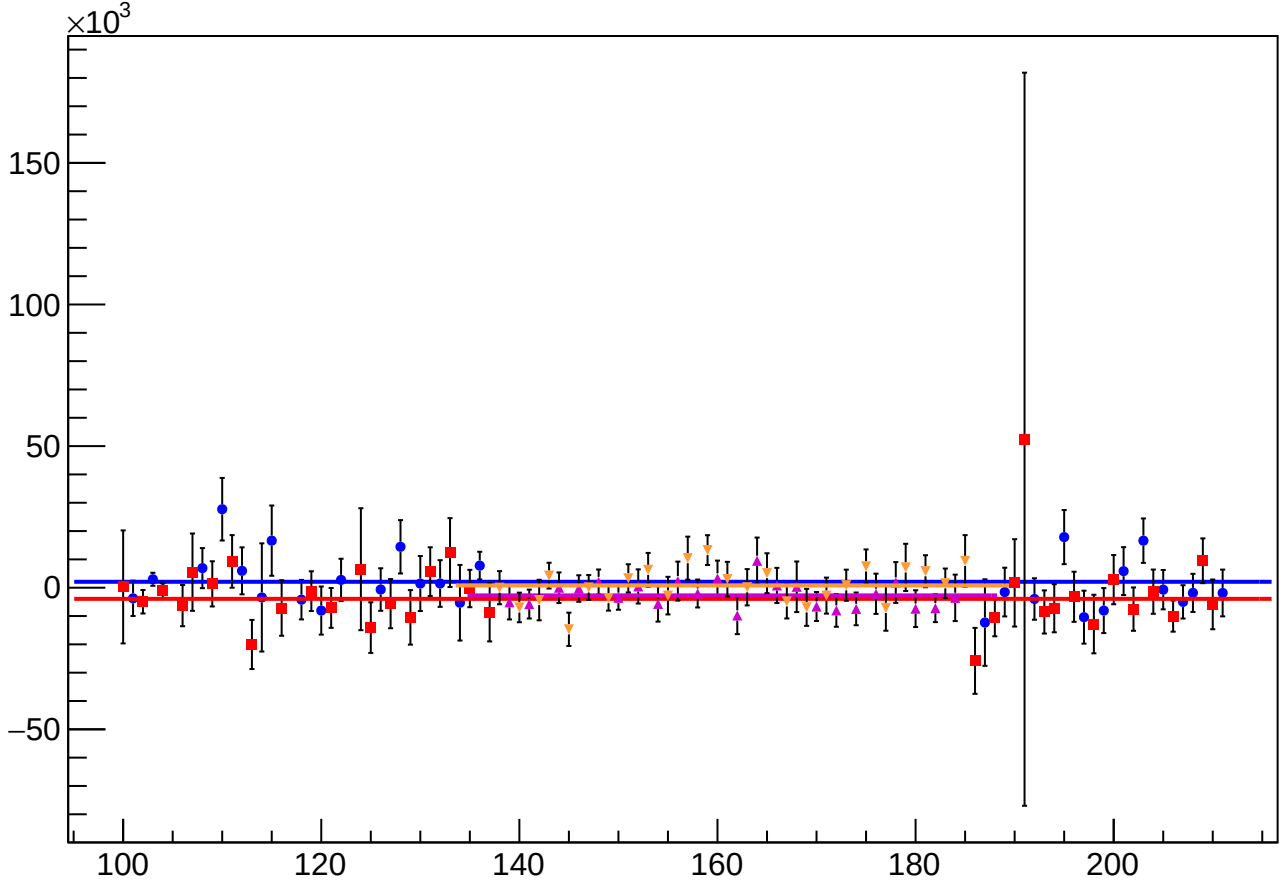
Left In: 4916.972+/-0.828 χ^2/NDF:1161645.9/22

+ sign 3834.597+/-0.521 χ^2/NDF: 16642045.3/52

All: 3445.615+/-0.344 χ^2/NDF: 42982385.3/1

- sign 3144.478+/-0.458 χ^2/NDF: 25351036.0/55

asym_atl1r2_avg_mean vs Slug



Right In: 2093.865+/-1276.947 χ^2/NDF: 28.1/27

Left Out: 787.965+/-1171.964 χ^2/NDF:27.6/24

Right Out: -3932.585+/-1277.795 χ^2/NDF: 25.1/32

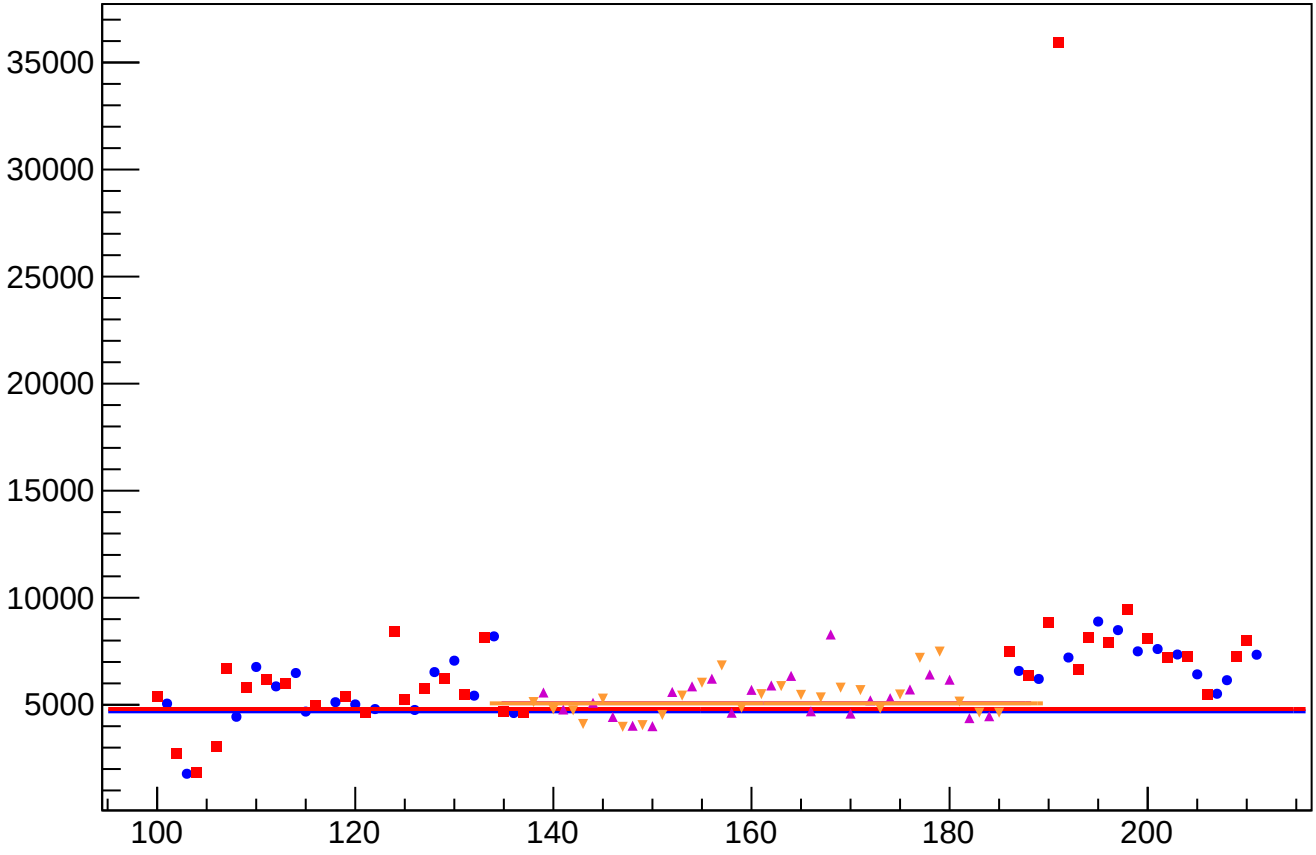
Left In: -2705.532+/-1206.281 χ^2/NDF:11.9/22

+ sign 1385.035+/-863.437 χ^2/NDF: 56.2/52

All: -912.551+/-615.337 χ^2/NDF: 108.1/108

- sign -3283.762+/-877.162 χ^2/NDF: 37.5/55

asym_atl1r2_avg_rms vs Slug



Right In: 4695.523+/-0.903 χ^2/NDF: 5951663.4/27

Left Out: 5067.898+/-0.829 χ^2/NDF:954253.8/24

Right Out: 4804.054+/-0.897 χ^2/NDF: 6435571.8/32

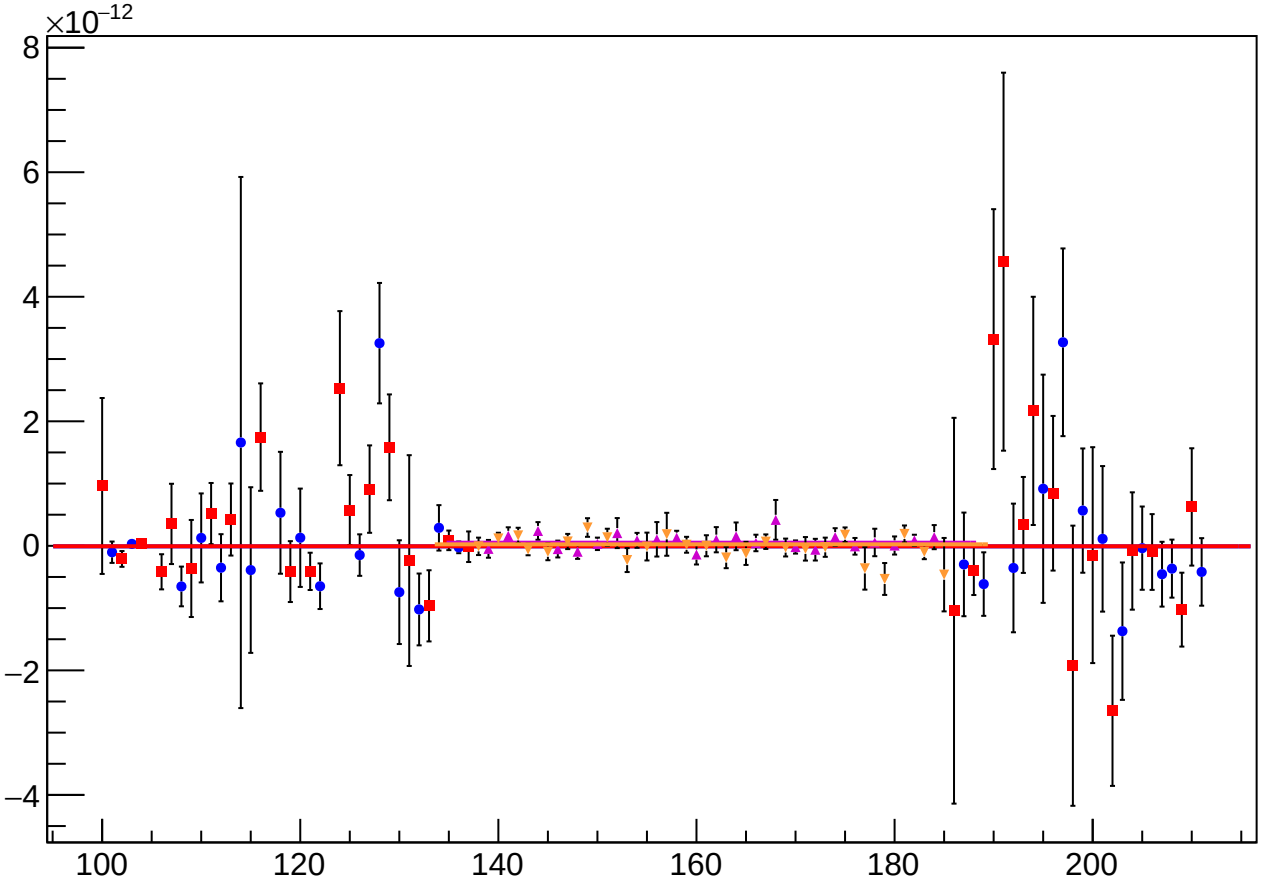
Left In: 5079.715+/-0.853 χ^2/NDF:1001241.5/22

+ sign 4897.644+/-0.611 χ^2/NDF: 6998233.2/52

All: 4922.939+/-0.434 χ^2/NDF: 14488095.8/1

- sign 4948.876+/-0.618 χ^2/NDF: 7486386.2/55

asym_atl1r2_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 35.8/27

Left Out: 0.000+/-0.000 χ^2/NDF:23.6/24

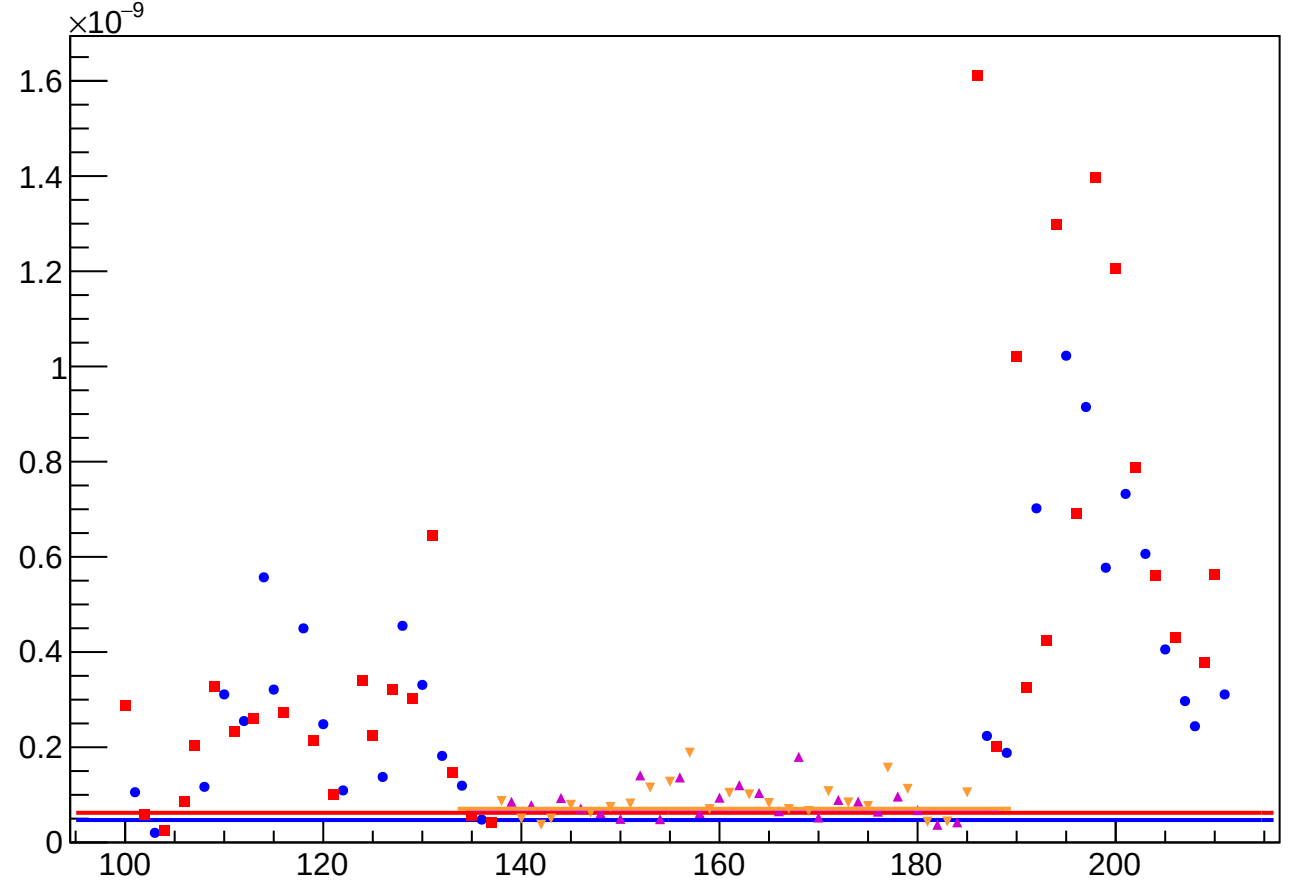
Right Out: -0.000+/-0.000 χ^2/NDF: 45.2/32

Left In: 0.000+/-0.000 χ^2/NDF:11.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 60.0/52

All: 0.000+/-0.000 χ^2/NDF: 117.8/108

- sign 0.000+/-0.000 χ^2/NDF: 57.4/55



Right In: 0.000+/-0.000 χ^2/NDF: 9183899.1/27

Left Out: 0.000+/-0.000 χ^2/NDF:1489228.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10853678.2/32

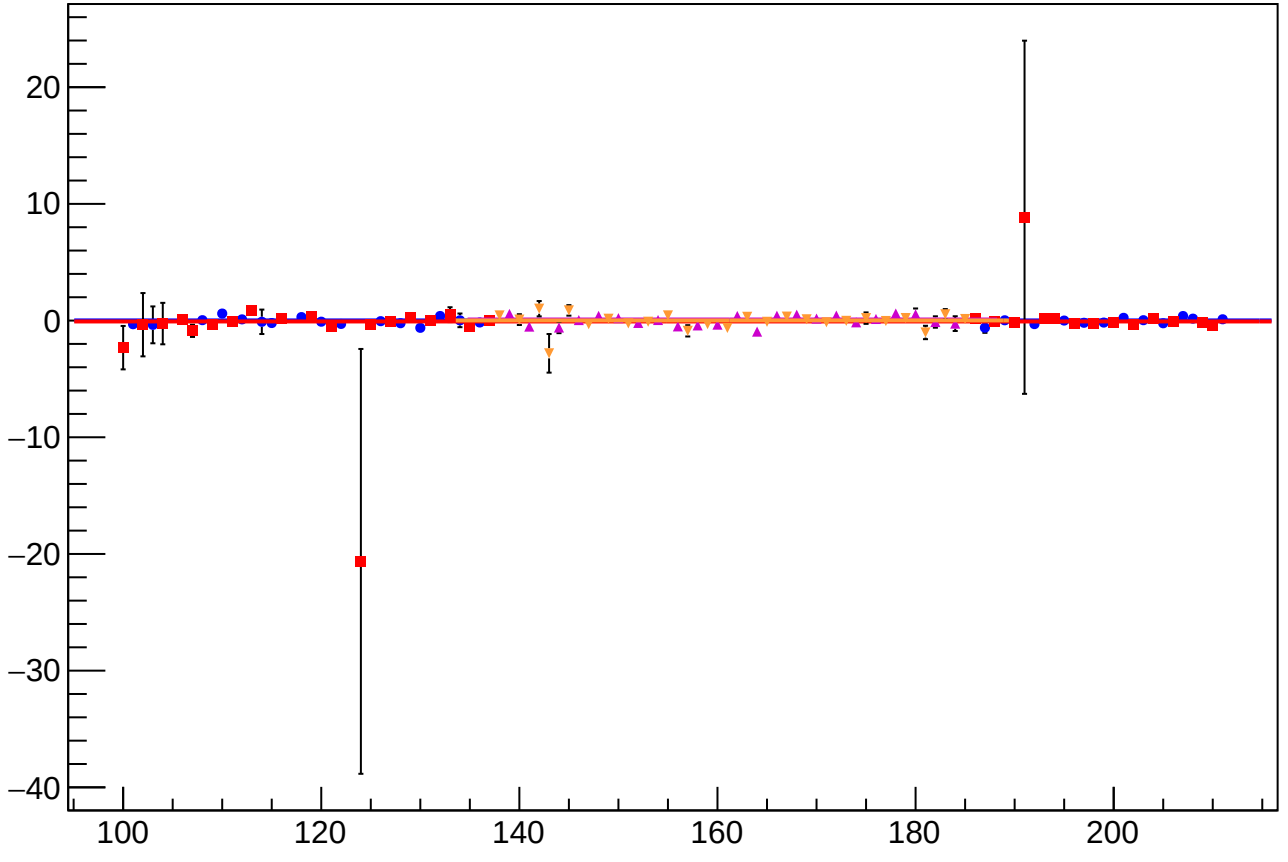
Left In: 0.000+/-0.000 χ^2/NDF:1432116.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 11206878.1/52

All: 0.000+/-0.000 χ^2/NDF: 23576060.5/108

- sign 0.000+/-0.000 χ^2/NDF: 12316696.2/55

asym_atl1r2_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.014+/-0.051 χ^2/NDF: 24.9/27

Left Out: 0.014+/-0.070 χ^2/NDF:28.3/24

Right Out: -0.075+/-0.047 χ^2/NDF: 31.8/32

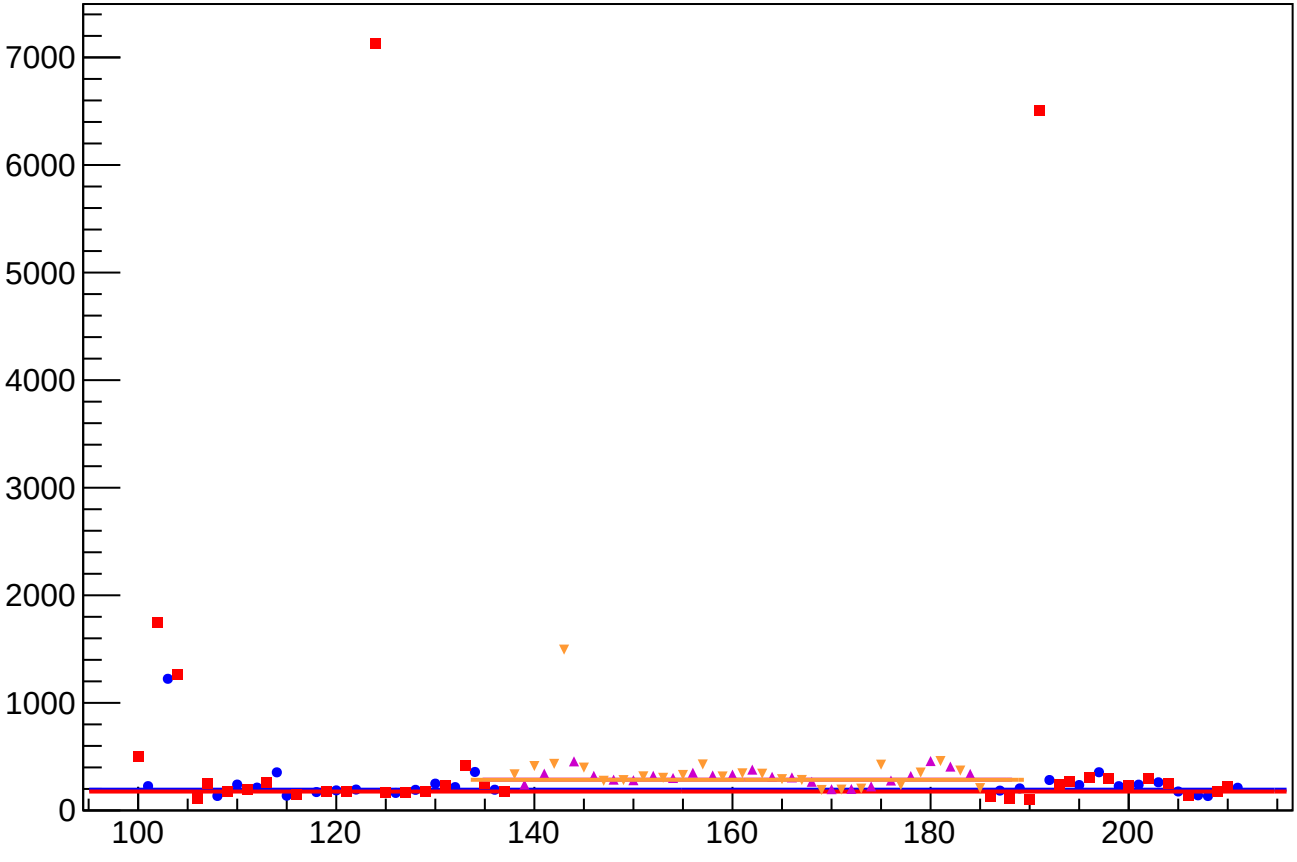
Left In: 0.091+/-0.070 χ^2/NDF:30.9/22

+ sign 0.014+/-0.041 χ^2/NDF: 53.1/52

All: -0.006+/-0.028 χ^2/NDF: 120.1/108

- sign -0.024+/-0.039 χ^2/NDF: 66.5/55

asym_atl1r2_avg_dit_vs_cor_diff_rms vs Slug



Right In: 193.064+/-0.036 χ^2/NDF: 2712243.7/27

Left Out: 285.036+/-0.049 χ^2/NDF:3407001.6/24

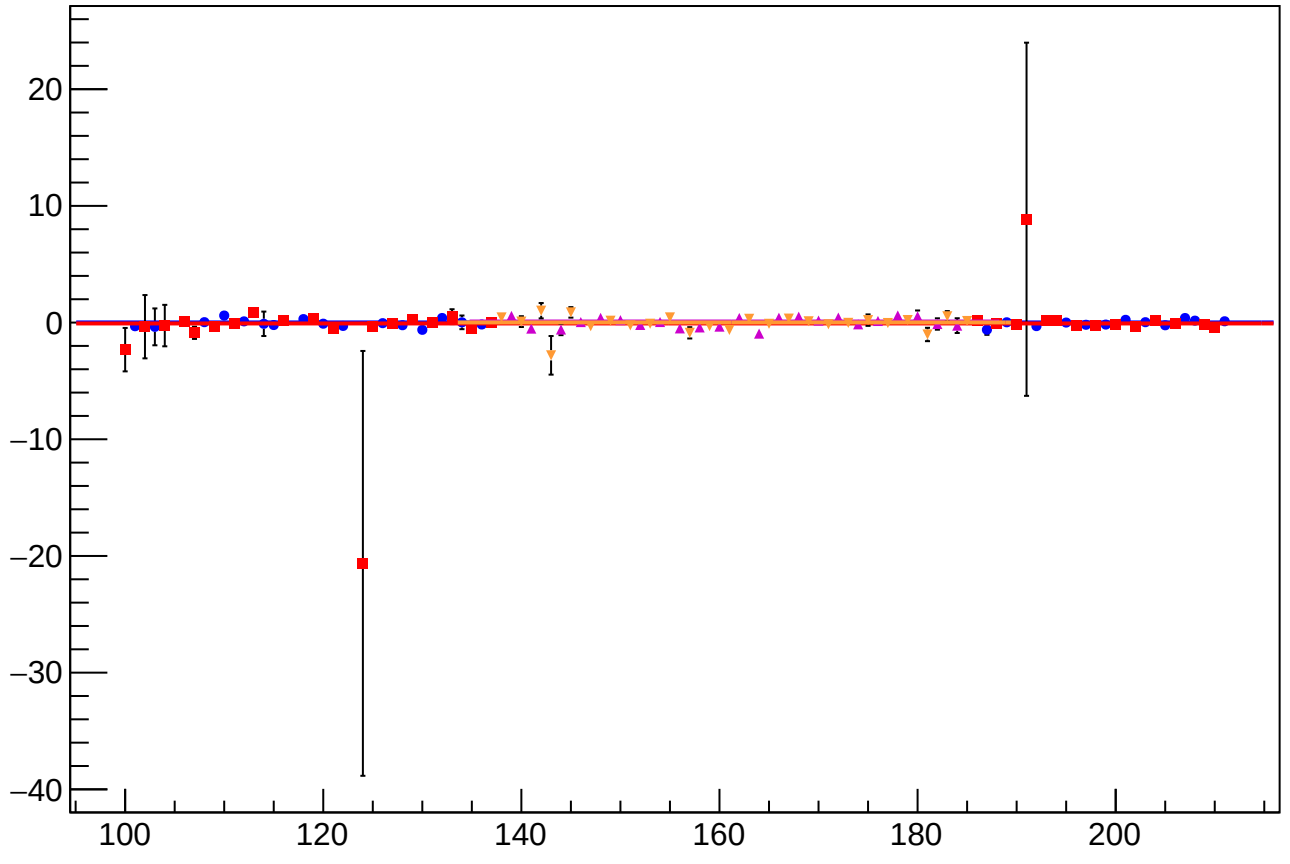
Right Out: 175.724+/-0.033 χ^2/NDF: 5438449.0/32

Left In: 285.869+/-0.050 χ^2/NDF:1744706.1/22

+ sign 225.326+/-0.029 χ^2/NDF: 8372275.9/52

All: 217.187+/-0.020 χ^2/NDF: 19078829.0/10

- sign 209.871+/-0.028 χ^2/NDF: 10559426.3/55



Right In: 0.014+/-0.051 χ^2/NDF: 24.9/27

Left Out: 0.014+/-0.070 χ^2/NDF:28.3/24

Right Out: -0.075+/-0.047 χ^2/NDF: 31.8/32

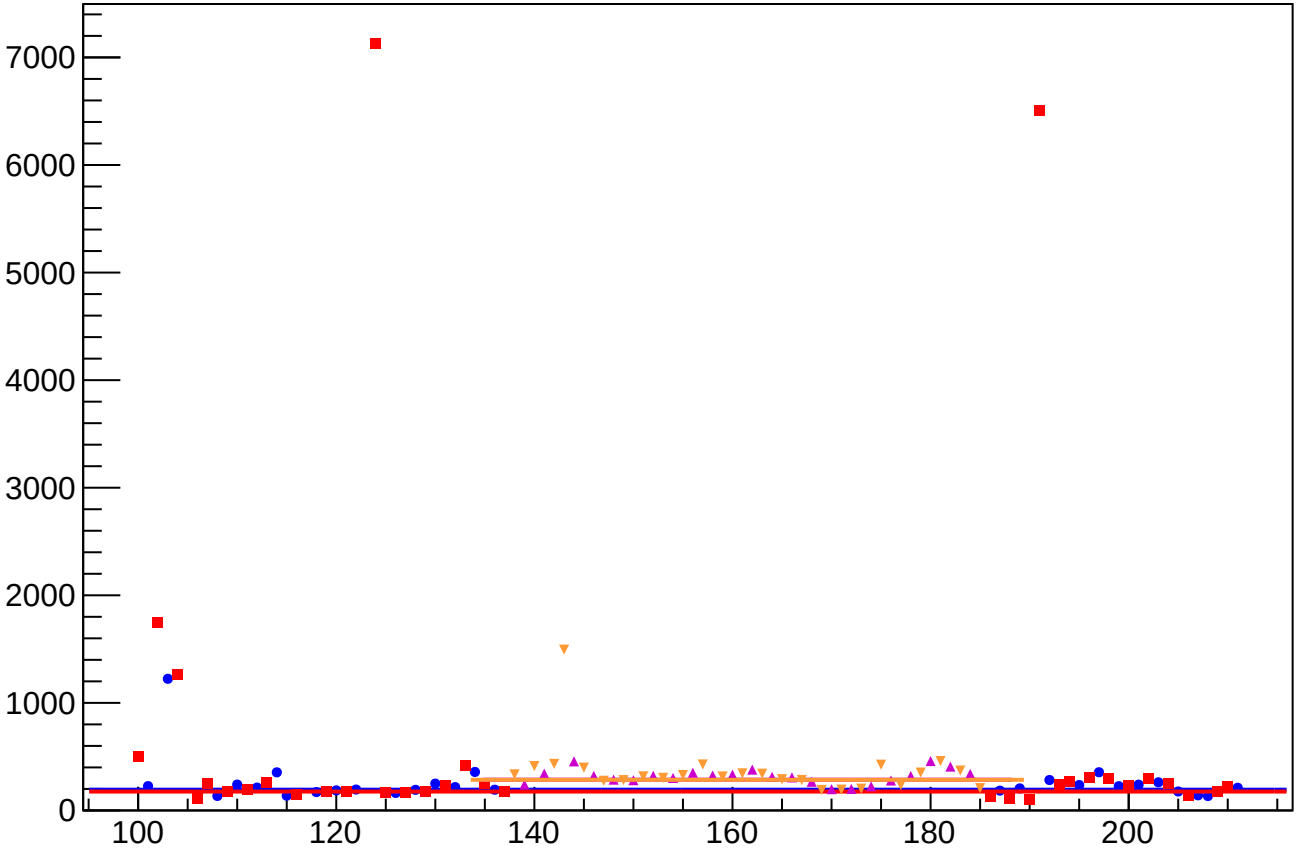
Left In: 0.091+/-0.070 χ^2/NDF:30.9/22

+ sign 0.014+/-0.041 χ^2/NDF: 53.1/52

All: -0.006+/-0.028 χ^2/NDF: 120.1/108

- sign -0.024+/-0.039 χ^2/NDF: 66.5/55

asym_atl1r2_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 193.064+/-0.036 χ^2/NDF: 2712243.7/27

Left Out: 285.036+/-0.049 χ^2/NDF:3407001.6/24

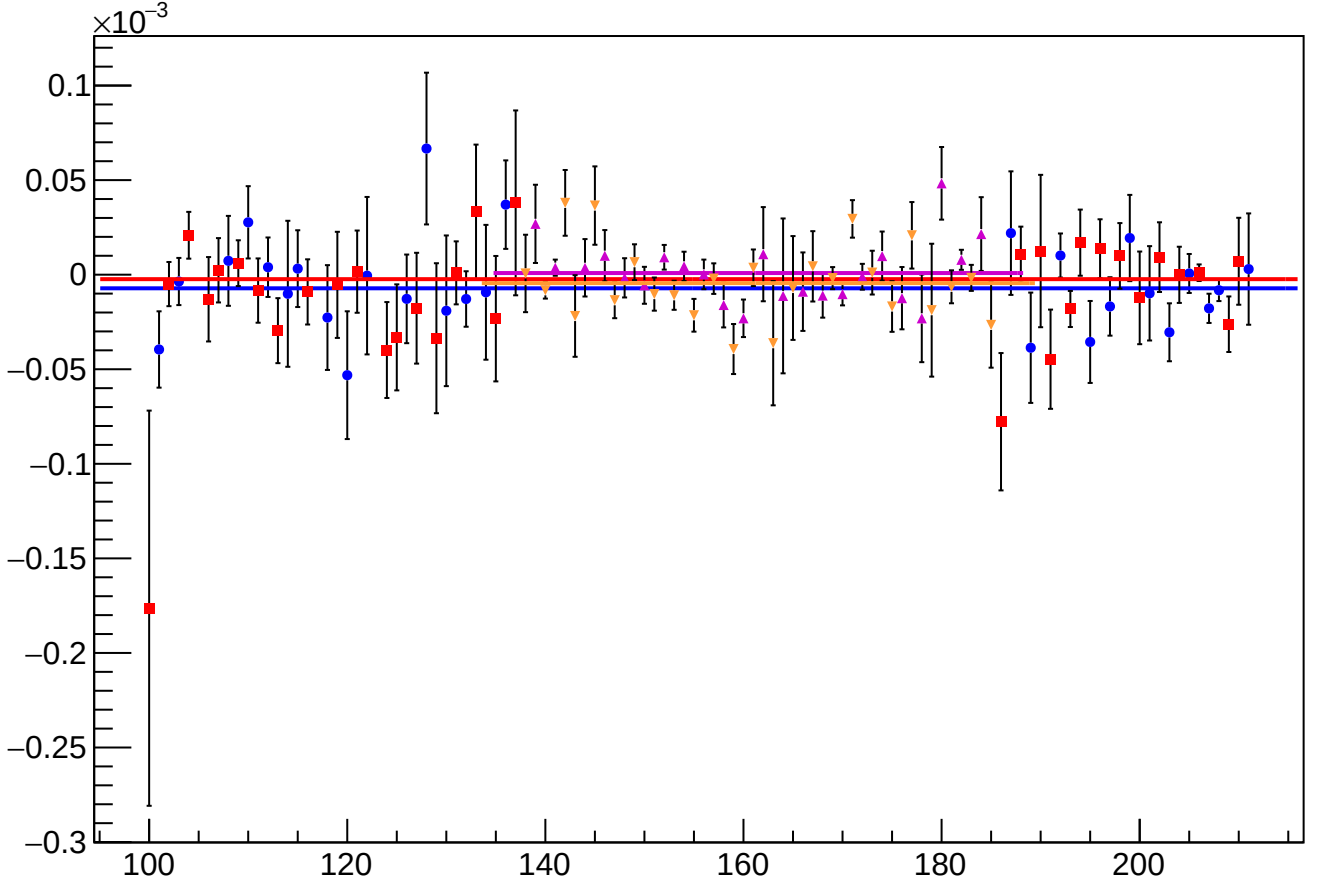
Right Out: 175.724+/-0.033 χ^2/NDF: 5438449.0/32

Left In: 285.869+/-0.050 χ^2/NDF:1744706.1/22

+ sign 225.326+/-0.029 χ^2/NDF: 8372275.9/52

All: 217.187+/-0.020 χ^2/NDF: 19078829.0/10

- sign 209.871+/-0.028 χ^2/NDF: 10559426.3/55



Right In: -0.000+/-0.000 χ^2/NDF: 29.1/27

Left Out: -0.000+/-0.000 χ^2/NDF:43.9/24

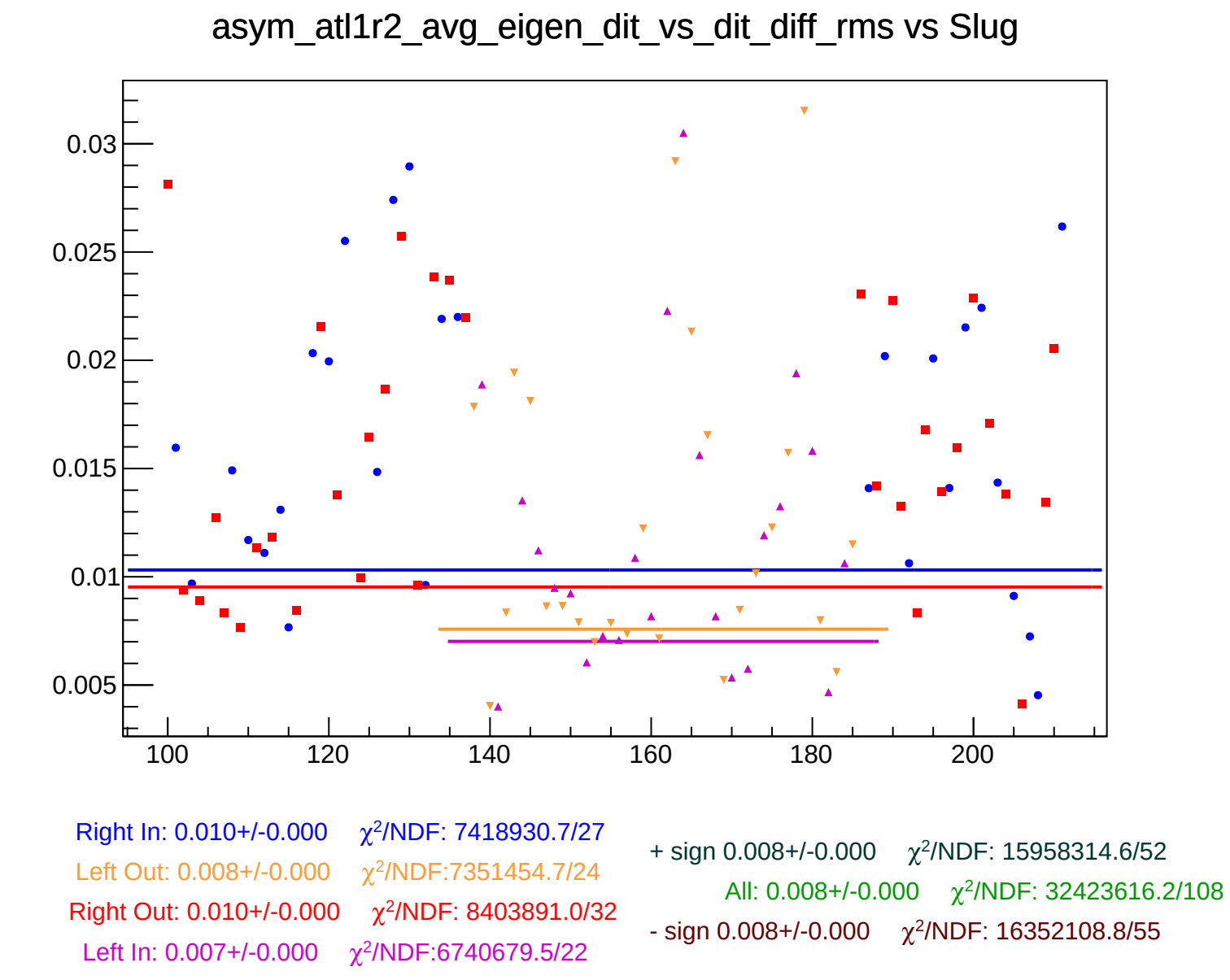
Right Out: -0.000+/-0.000 χ^2/NDF: 33.7/32

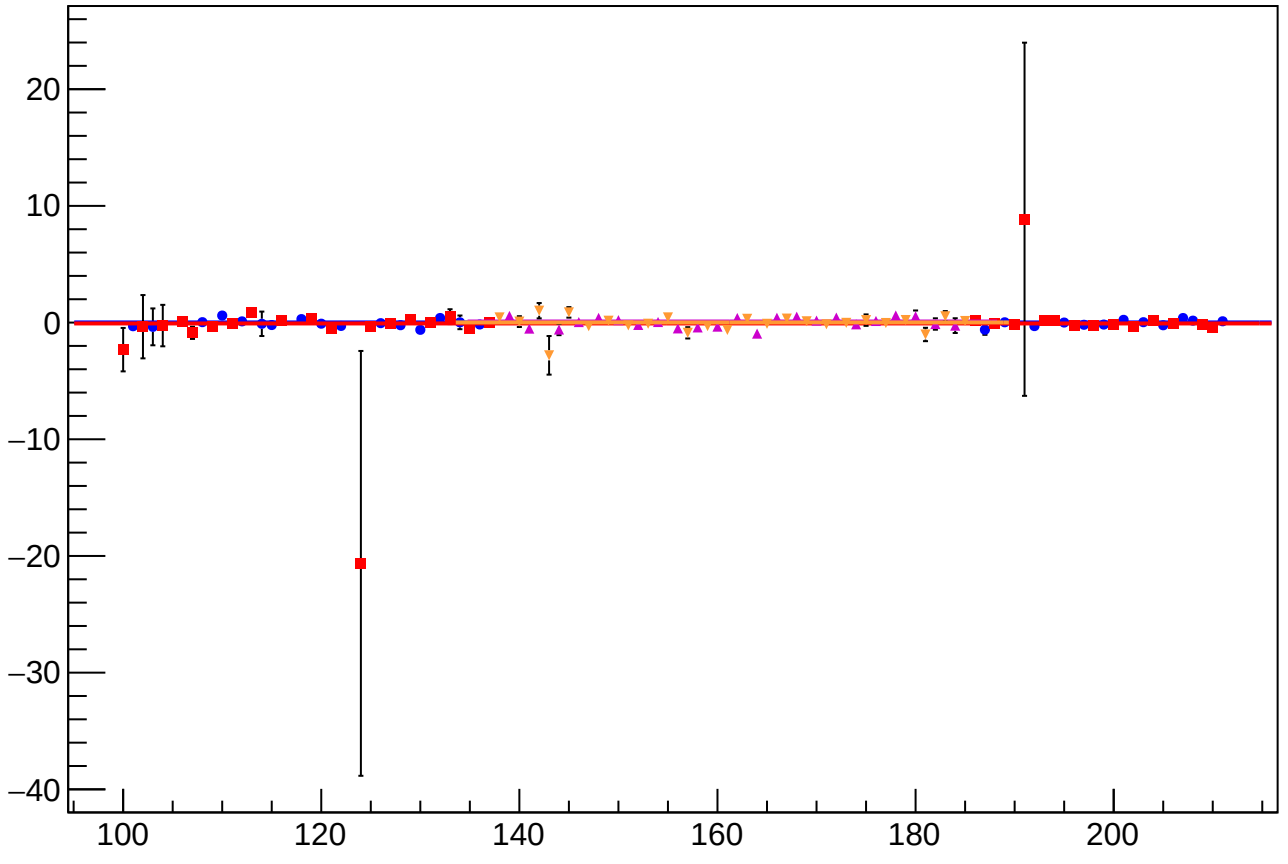
Left In: 0.000+/-0.000 χ^2/NDF:29.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 73.6/52

All: -0.000+/-0.000 χ^2/NDF: 142.4/108

- sign -0.000+/-0.000 χ^2/NDF: 63.7/55


asym_atl1r2_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.03
0.025
0.02
0.015
0.01
0.005
100
120
140
160
180
200
Right In: 0.010+/-0.000 χ²/NDF: 7418930.7/27
Left Out: 0.008+/-0.000 χ²/NDF:7351454.7/24
Right Out: 0.010+/-0.000 χ²/NDF: 8403891.0/32
Left In: 0.007+/-0.000 χ²/NDF:6740679.5/22
+ sign 0.008+/-0.000 χ²/NDF: 15958314.6/52
All: 0.008+/-0.000 χ²/NDF: 32423616.2/108
- sign 0.008+/-0.000 χ²/NDF: 16352108.8/55



Right In: 0.014+/-0.051 χ^2/NDF: 24.9/27

Left Out: 0.014+/-0.070 χ^2/NDF:28.3/24

Right Out: -0.075+/-0.047 χ^2/NDF: 31.8/32

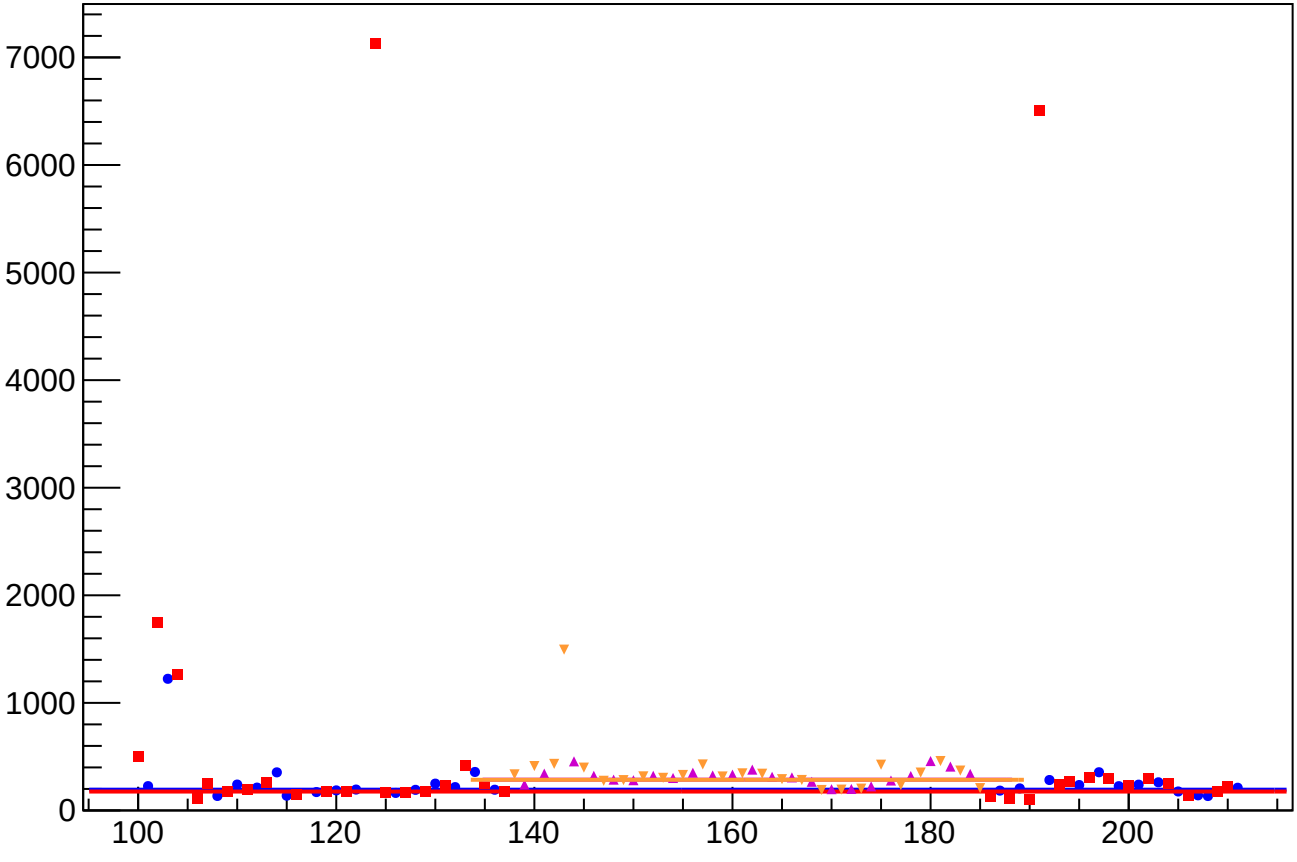
Left In: 0.091+/-0.070 χ^2/NDF:30.9/22

+ sign 0.014+/-0.041 χ^2/NDF: 53.1/52

All: -0.006+/-0.028 χ^2/NDF: 120.1/108

- sign -0.024+/-0.039 χ^2/NDF: 66.5/55

asym_atl1r2_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 193.063+/-0.036 χ^2/NDF: 2712265.1/27

Left Out: 285.039+/-0.049 χ^2/NDF:3407037.3/24

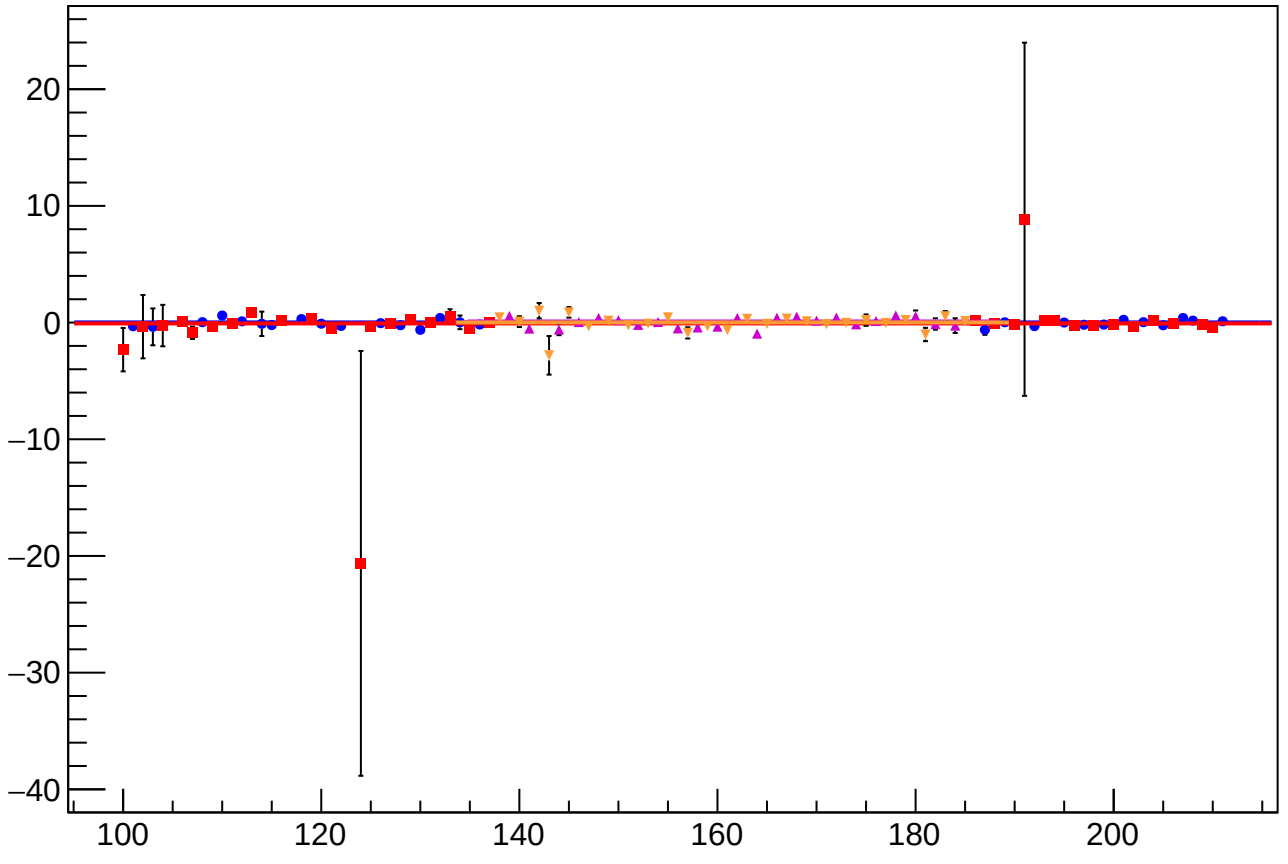
Right Out: 175.722+/-0.033 χ^2/NDF: 5438594.1/32

Left In: 285.871+/-0.050 χ^2/NDF:1744743.9/22

+ sign 225.326+/-0.029 χ^2/NDF: 8372477.6/52

All: 217.186+/-0.020 χ^2/NDF: 19079520.7/10

- sign 209.869+/-0.028 χ^2/NDF: 10559884.3/55



Right In: 0.014+/-0.051 χ^2/NDF: 24.9/27

Left Out: 0.014+/-0.070 χ^2/NDF:28.3/24

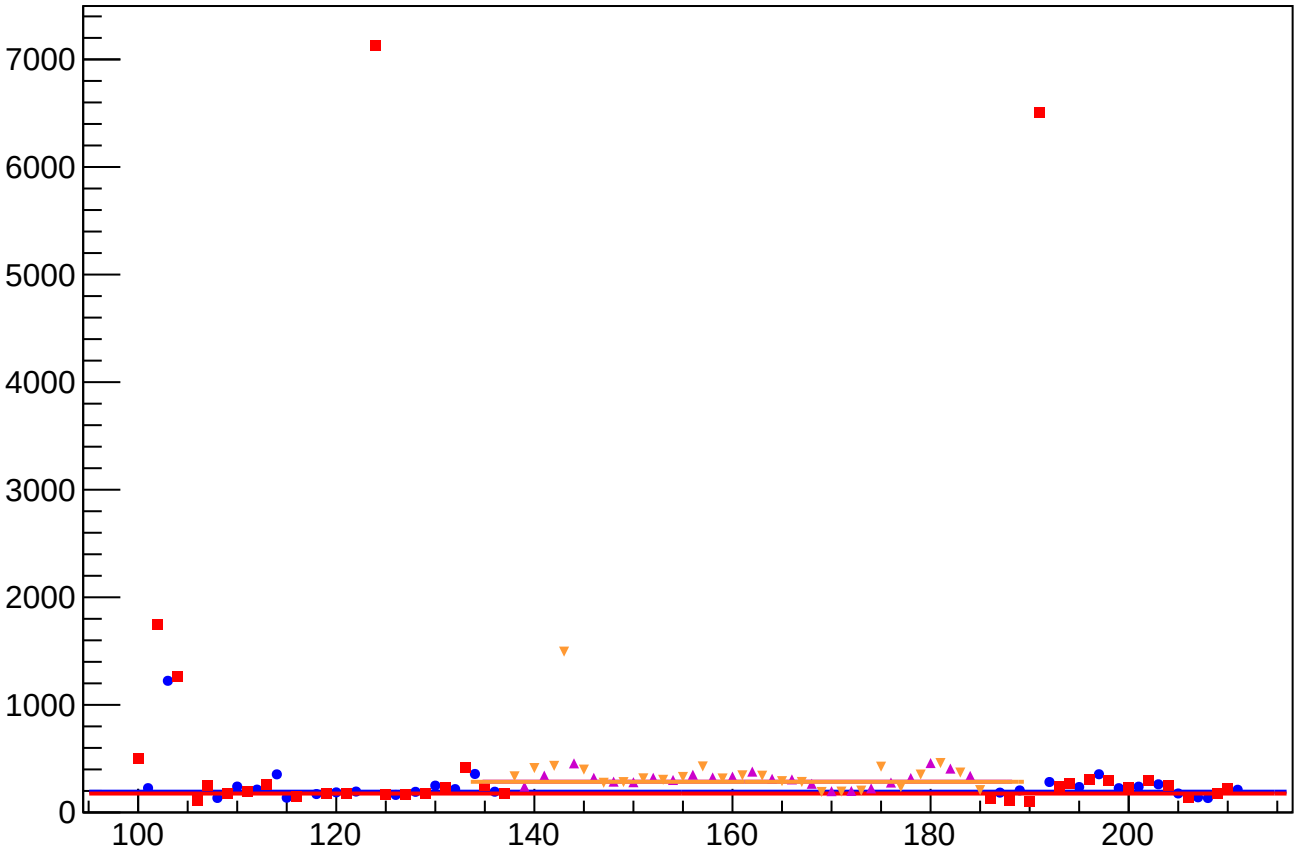
Right Out: -0.075+/-0.047 χ^2/NDF: 31.8/32

Left In: 0.091+/-0.070 χ^2/NDF:30.9/22

+ sign 0.014+/-0.041 χ^2/NDF: 53.1/52

All: -0.006+/-0.028 χ^2/NDF: 120.1/108

- sign -0.024+/-0.039 χ^2/NDF: 66.5/55



Right In: 193.063+/-0.036 χ^2/NDF: 2712265.1/27

Left Out: 285.039+/-0.049 χ^2/NDF:3407037.3/24

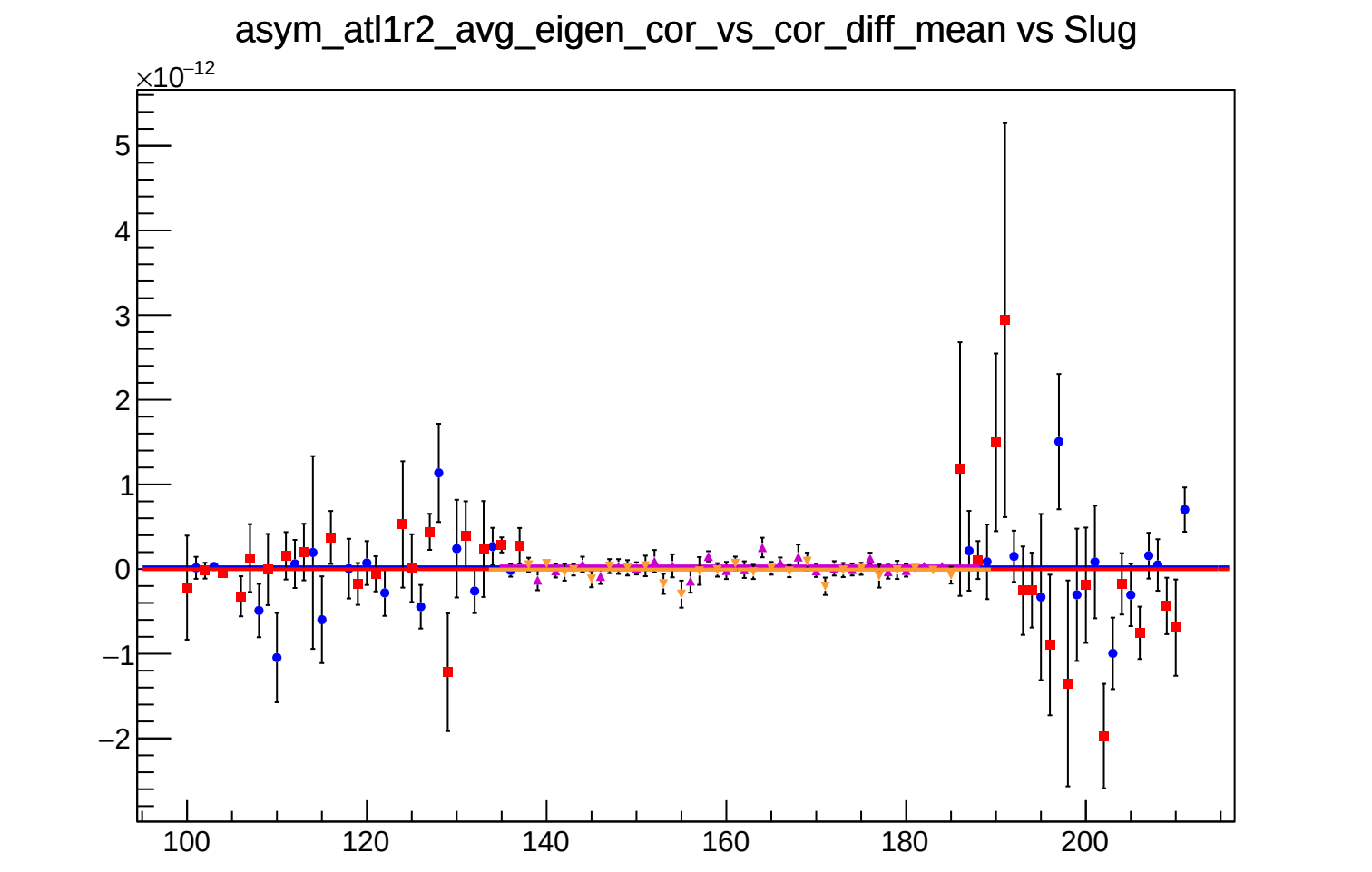
Right Out: 175.722+/-0.033 χ^2/NDF: 5438594.1/32

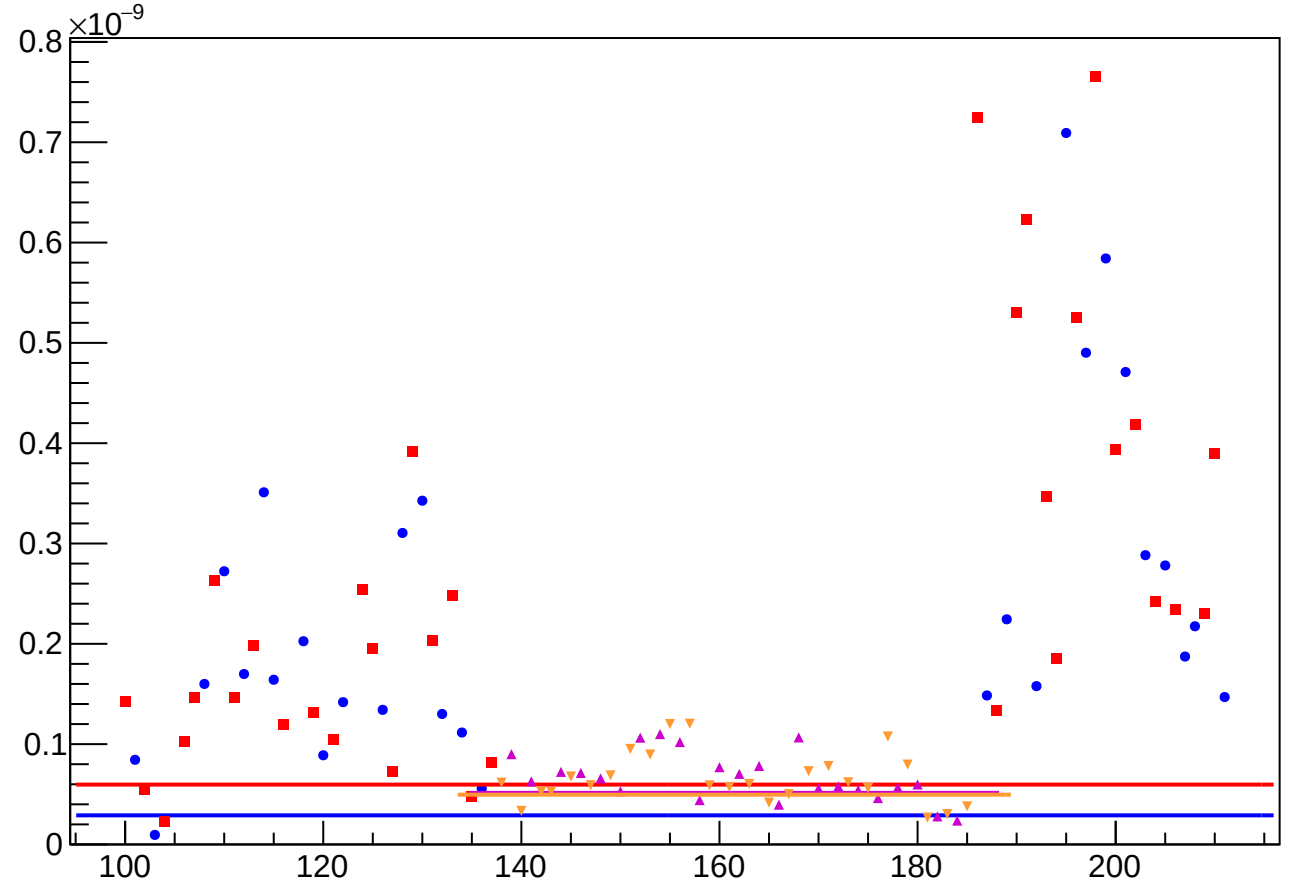
Left In: 285.871+/-0.050 χ^2/NDF:1744743.9/22

+ sign 225.326+/-0.029 χ^2/NDF: 8372477.6/52

All: 217.186+/-0.020 χ^2/NDF: 19079520.7/10

- sign 209.869+/-0.028 χ^2/NDF: 10559884.3/55


asym_atl1r2_avg_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
5
4
3
2
1
0
−1
−2
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 37.2/27
Left Out: -0.000+/-0.000 χ²/NDF:16.6/24
Right Out: -0.000+/-0.000 χ²/NDF: 54.5/32
Left In: 0.000+/-0.000 χ²/NDF:18.7/22
+ sign 0.000+/-0.000 χ²/NDF: 54.9/52
All: 0.000+/-0.000 χ²/NDF: 130.4/108
- sign 0.000+/-0.000 χ²/NDF: 74.3/55



Right In: 0.000+/-0.000 χ^2/NDF: 14540248.7/27

Left Out: 0.000+/-0.000 χ^2/NDF:3882649.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 11246476.9/32

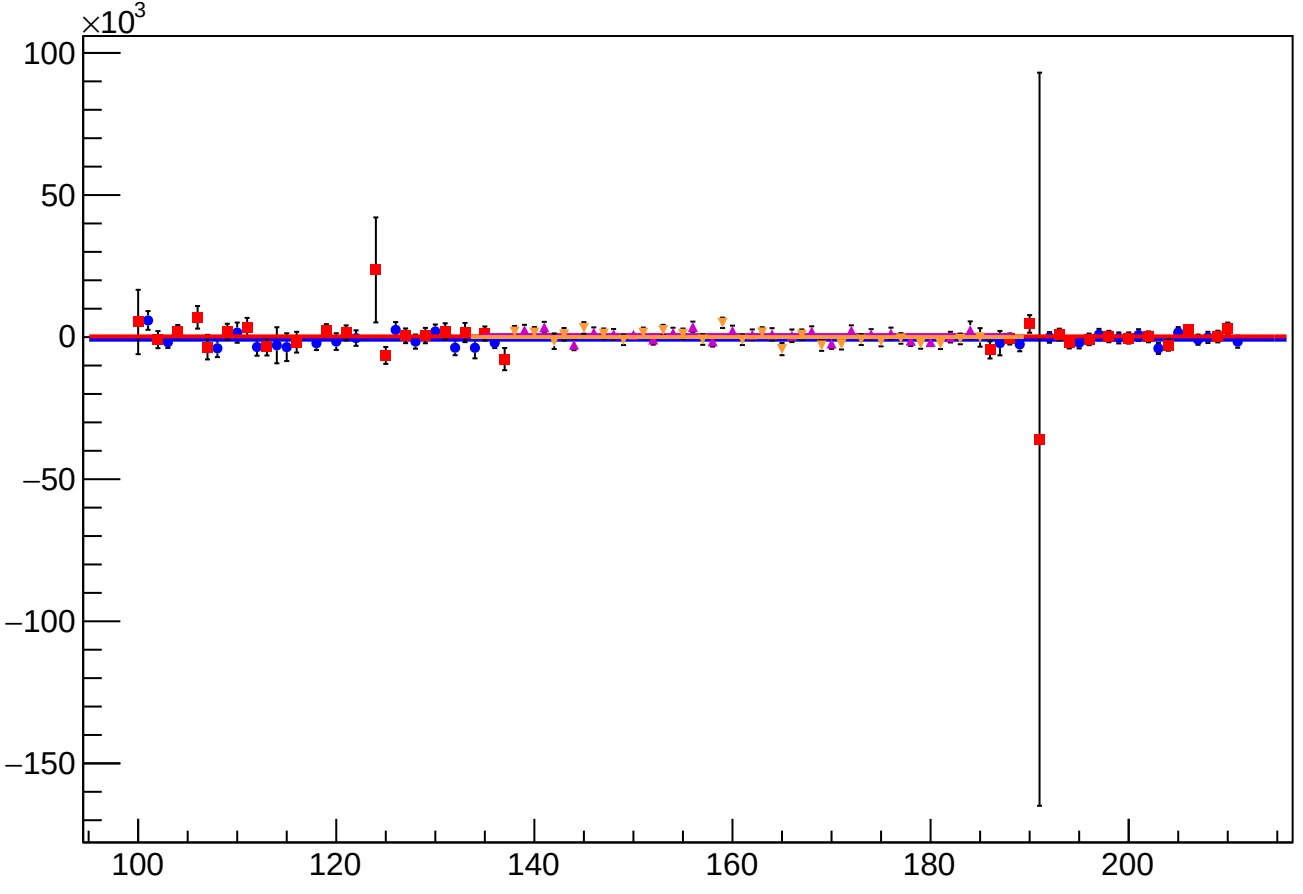
Left In: 0.000+/-0.000 χ^2/NDF:3659712.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 19754898.2/52

All: 0.000+/-0.000 χ^2/NDF: 35471810.8/108

- sign 0.000+/-0.000 χ^2/NDF: 15023219.3/55

reg_asym_atl1r2_dd_mean vs Slug



Right In: -894.104+/-450.926 χ^2/NDF: 19.4/27

Left Out: 23.114+/-387.732 χ^2/NDF:29.5/24

Right Out: 252.033+/-443.094 χ^2/NDF: 33.6/32

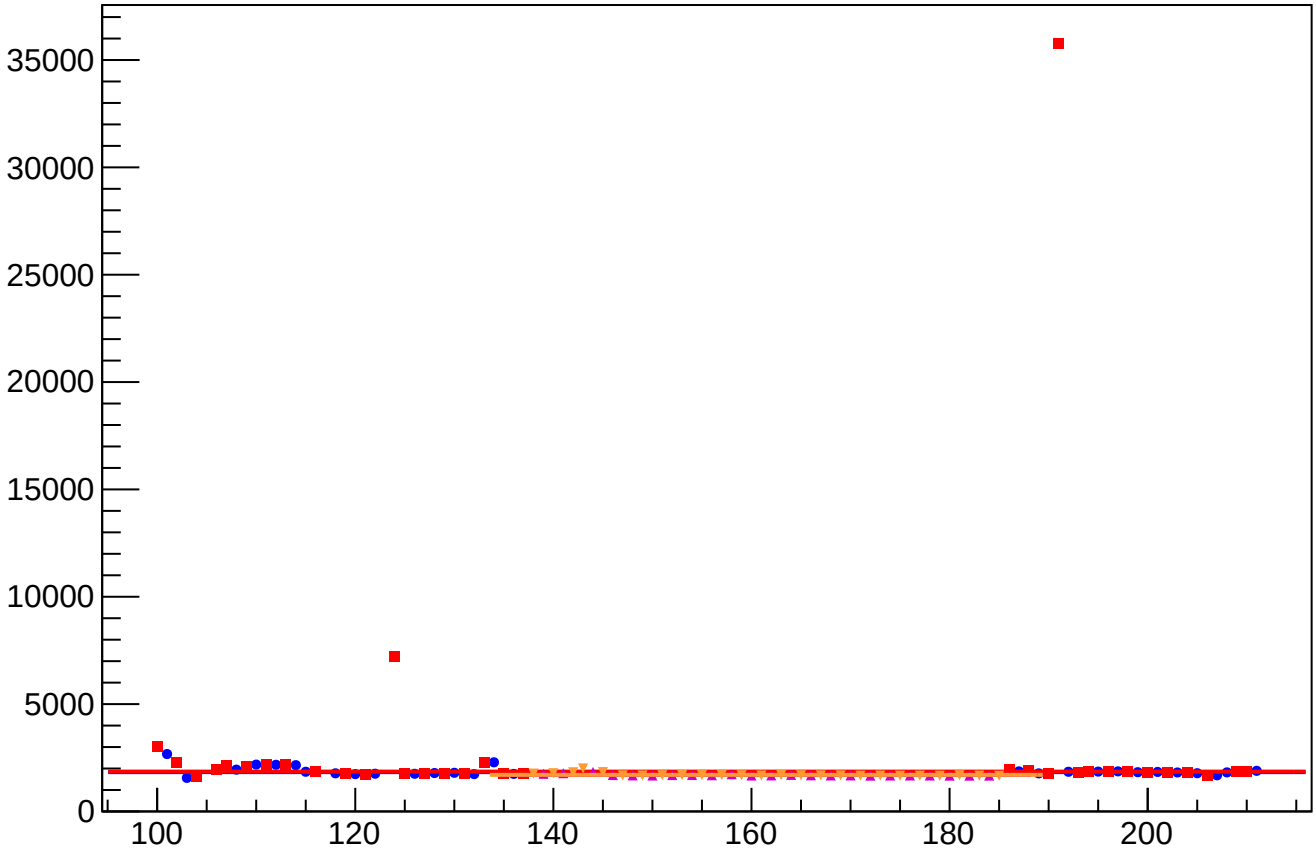
Left In: 719.504+/-396.449 χ^2/NDF:19.1/22

+ sign -366.772+/-293.994 χ^2/NDF: 51.3/52

All: 70.272+/-208.398 χ^2/NDF: 109.0/108

- sign 511.661+/-295.452 χ^2/NDF: 53.3/55

reg_asym_atl1r2_dd_rms vs Slug



Right In: 1831.752+/-0.319 χ^2/NDF: 280622.6/27

Left Out: 1705.634+/-0.274 χ^2/NDF:59928.6/24

Right Out: 1856.039+/-0.313 χ^2/NDF: 535898.8/32

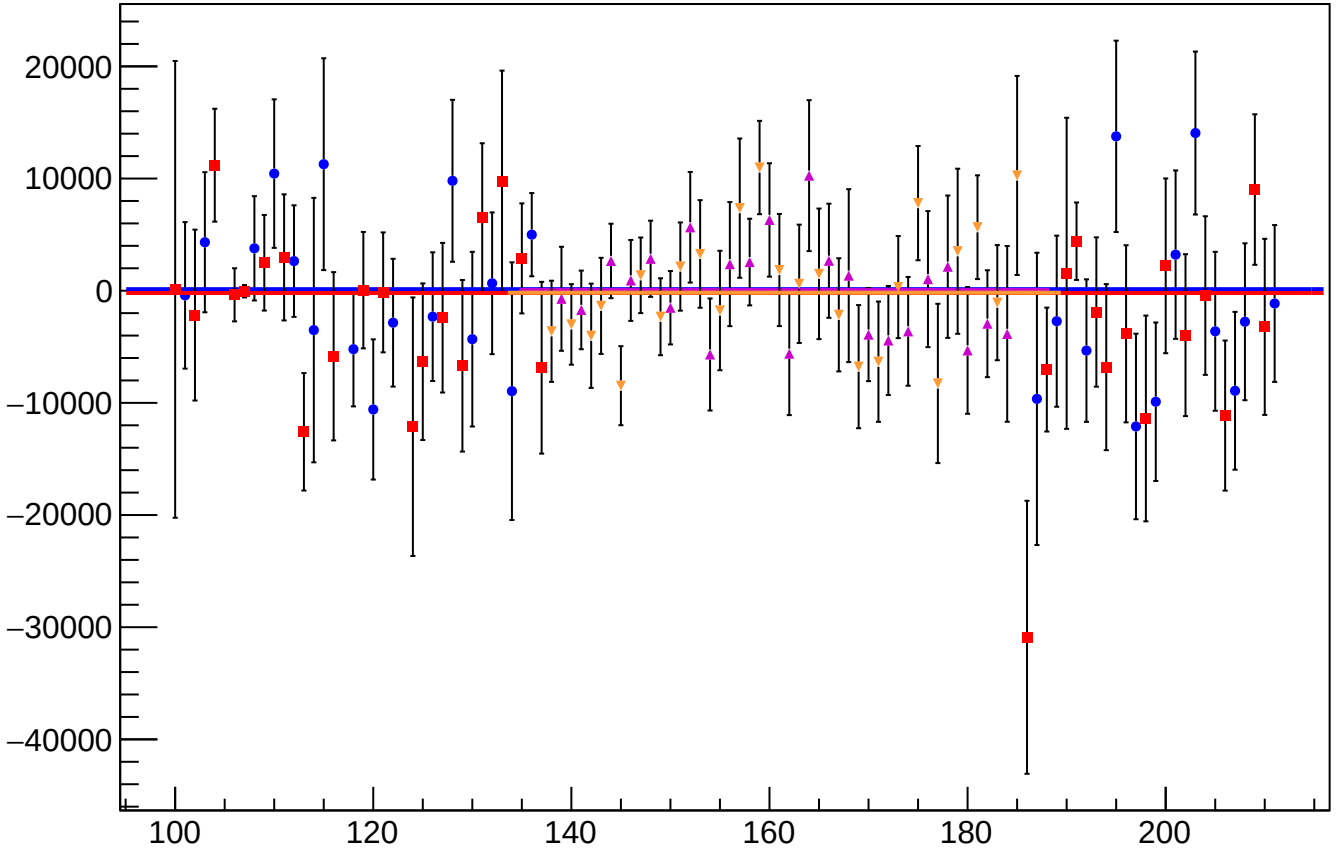
Left In: 1697.514+/-0.280 χ^2/NDF:21146.9/22

+ sign 1759.244+/-0.208 χ^2/NDF: 430497.5/52

All: 1763.636+/-0.147 χ^2/NDF: 1130760.3/10

- sign 1768.067+/-0.209 χ^2/NDF: 699366.2/55

asym_atl1r2_dd_reg_correction_mean vs Slug



Right In: 136.913+/-1233.586 χ^2/NDF: 28.4/27

Left Out: -175.777+/-935.141 χ^2/NDF:27.9/24

Right Out: -203.058+/-486.544 χ^2/NDF: 35.3/32

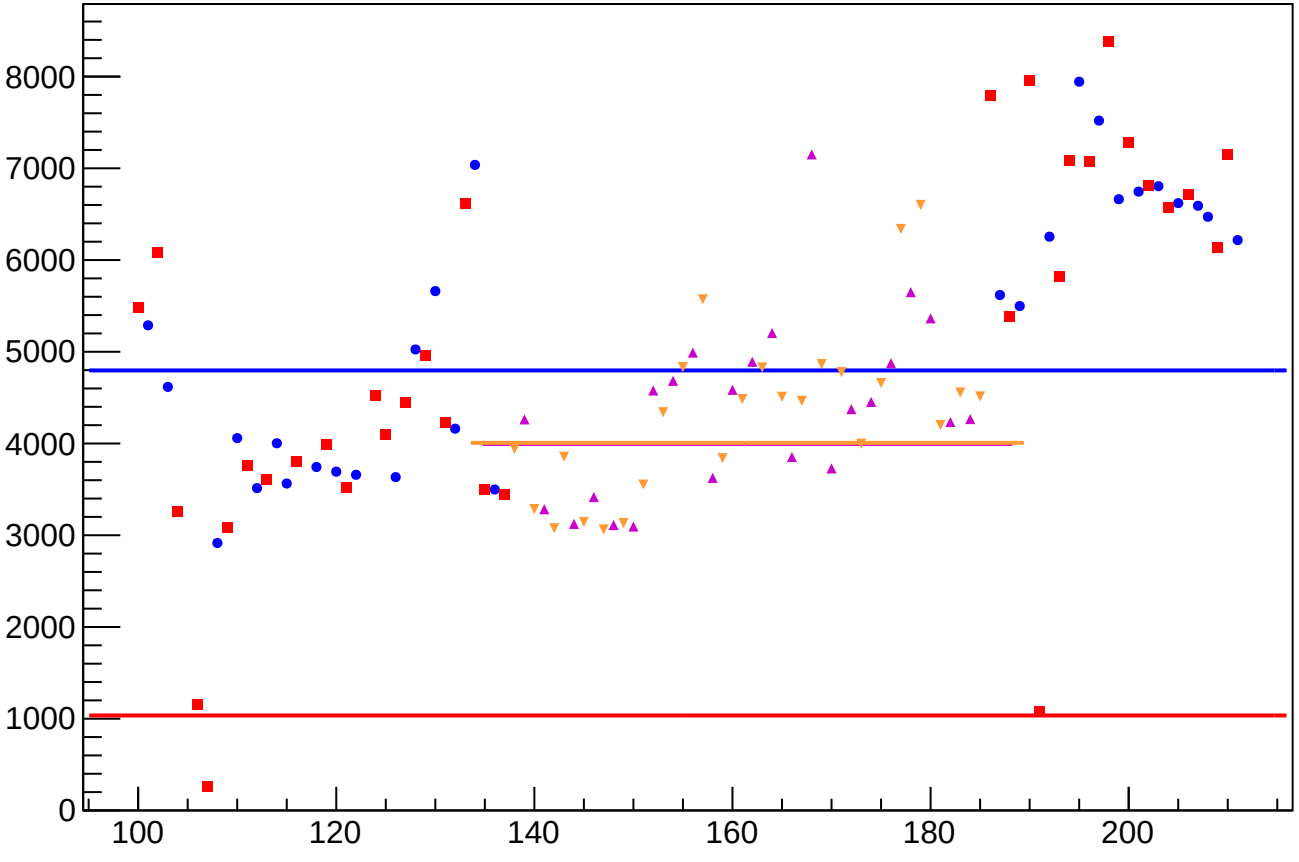
Left In: 56.448+/-956.389 χ^2/NDF:14.3/22

+ sign -61.663+/-745.217 χ^2/NDF: 56.4/52

All: -127.433+/-374.811 χ^2/NDF: 106.1/108

- sign -149.704+/-433.653 χ^2/NDF: 49.7/55

asym_atl1r2_dd_reg_correction_rms vs Slug



Right In: 4796.696+/-0.872 χ^2/NDF: 2725263.4/27

Left Out: 4006.998+/-0.661 χ^2/NDF:1503677.6/24

Right Out: 1035.332+/-0.344 χ^2/NDF: 26258412.8/32

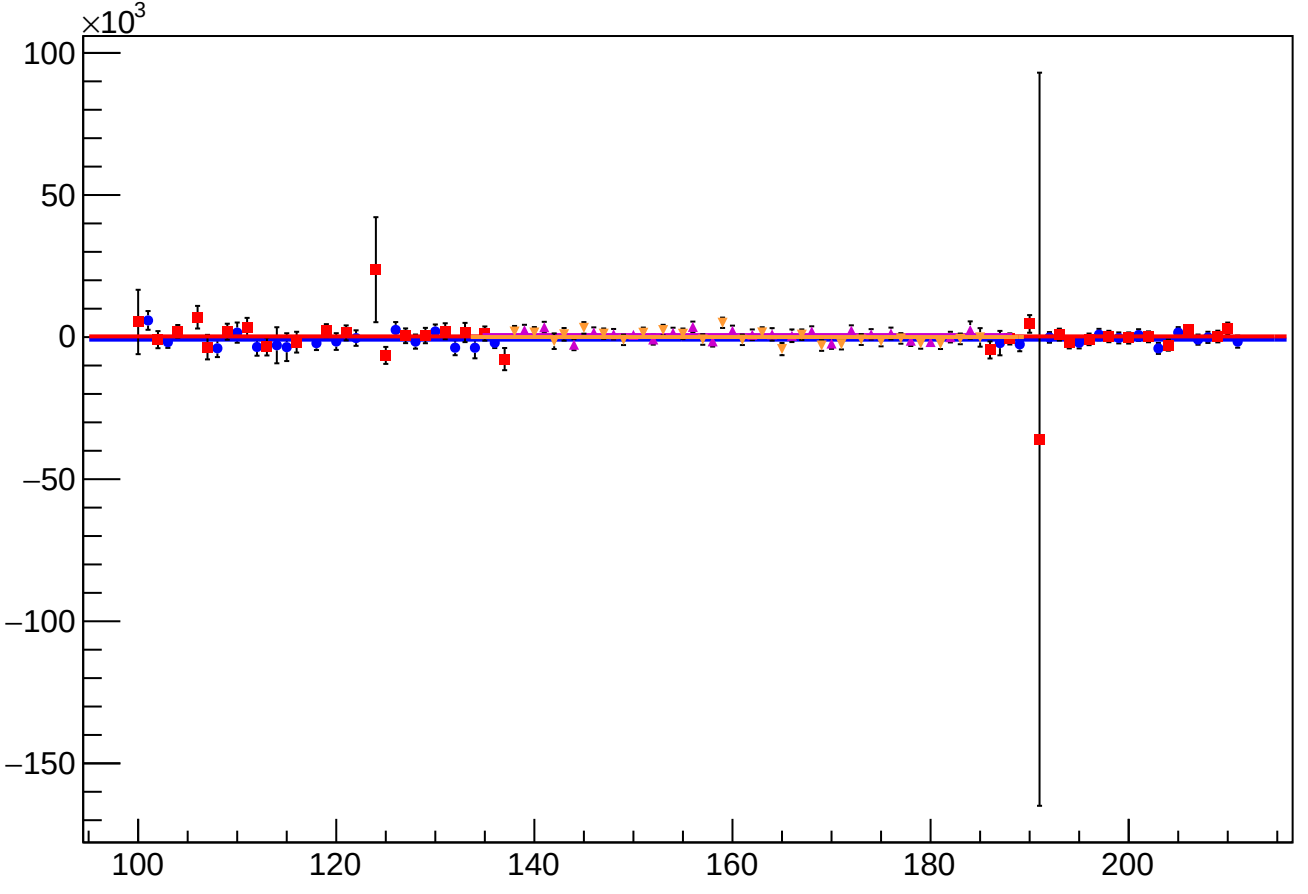
Left In: 3994.974+/-0.676 χ^2/NDF:1538115.4/22

+ sign 4295.194+/-0.527 χ^2/NDF: 4749446.2/52

All: 2314.527+/-0.265 χ^2/NDF: 66673644.9/1

- sign 1643.824+/-0.307 χ^2/NDF: 43011833.3/55

cor_asym_atl1r2_dd_mean vs Slug



Right In: -893.906+/-450.926 χ^2/NDF: 19.4/27

Left Out: 23.186+/-387.732 χ^2/NDF:29.5/24

Right Out: 252.182+/-443.095 χ^2/NDF: 33.6/32

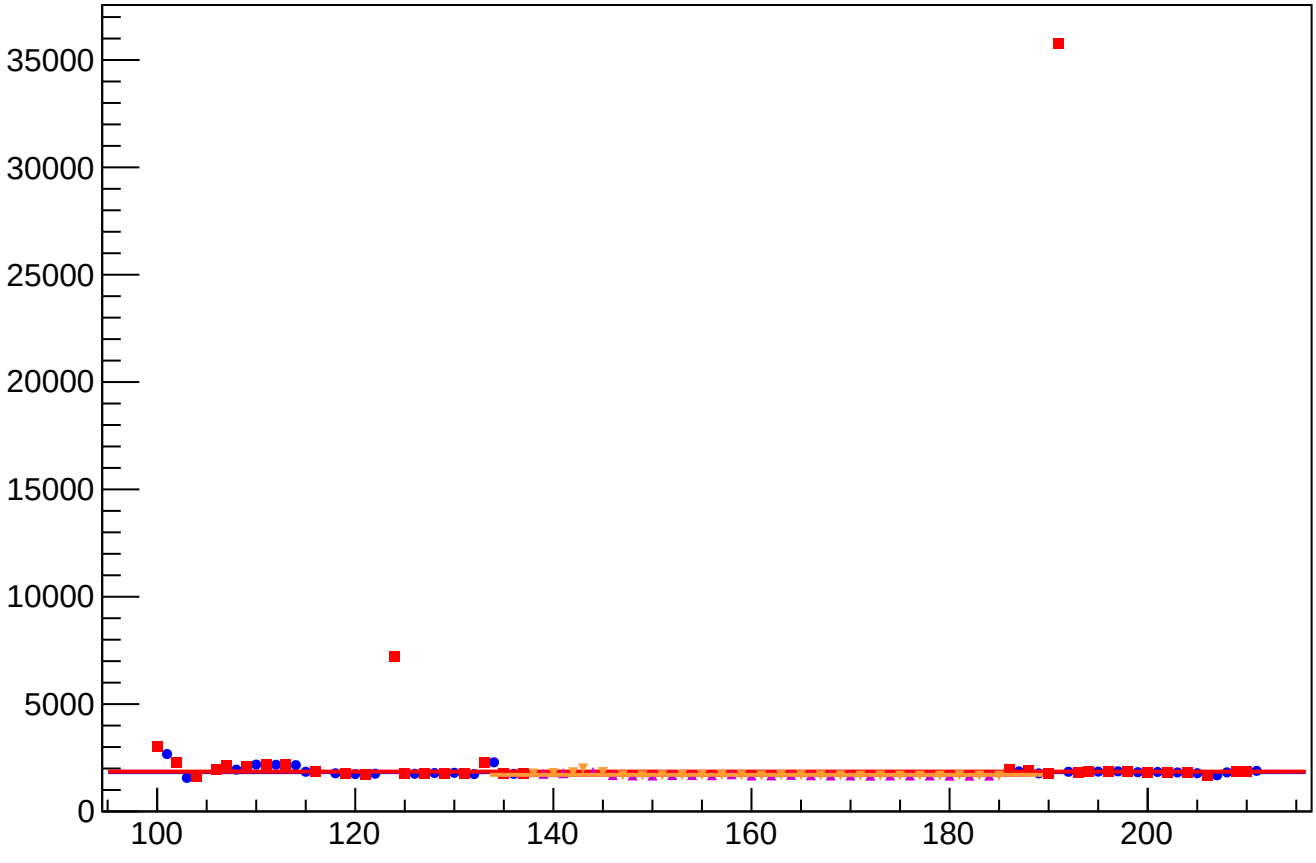
Left In: 719.380+/-396.449 χ^2/NDF:19.1/22

+ sign -366.646+/-293.994 χ^2/NDF: 51.3/52

All: 70.334+/-208.398 χ^2/NDF: 109.0/108

- sign 511.659+/-295.452 χ^2/NDF: 53.3/55

cor_asym_atl1r2_dd_rms vs Slug



Right In: 1831.752+/-0.319 χ^2/NDF: 280621.8/27

Left Out: 1705.635+/-0.274 χ^2/NDF:59928.6/24

Right Out: 1856.214+/-0.313 χ^2/NDF: 536240.6/32

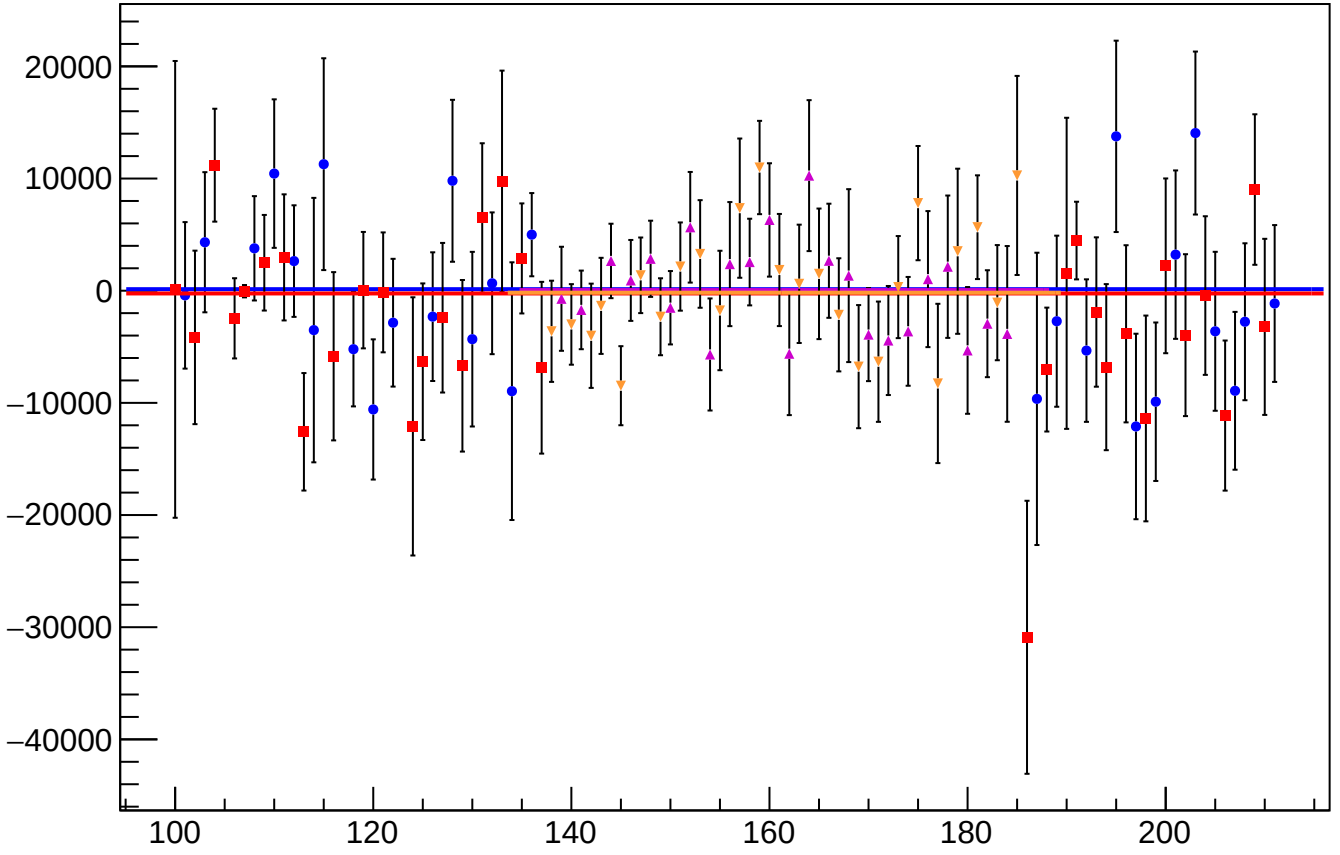
Left In: 1697.514+/-0.280 χ^2/NDF:21146.9/22

+ sign 1759.244+/-0.208 χ^2/NDF: 430496.9/52

All: 1763.671+/-0.147 χ^2/NDF: 1131416.2/10

- sign 1768.138+/-0.209 χ^2/NDF: 700008.2/55

asym_atl1r2_dd_cor_correction_mean vs Slug



Right In: 136.857+/-1233.590 χ^2/NDF: 28.4/27

Left Out: -175.755+/-935.140 χ^2/NDF:27.9/24

Right Out: -245.603+/-492.440 χ^2/NDF: 35.9/32

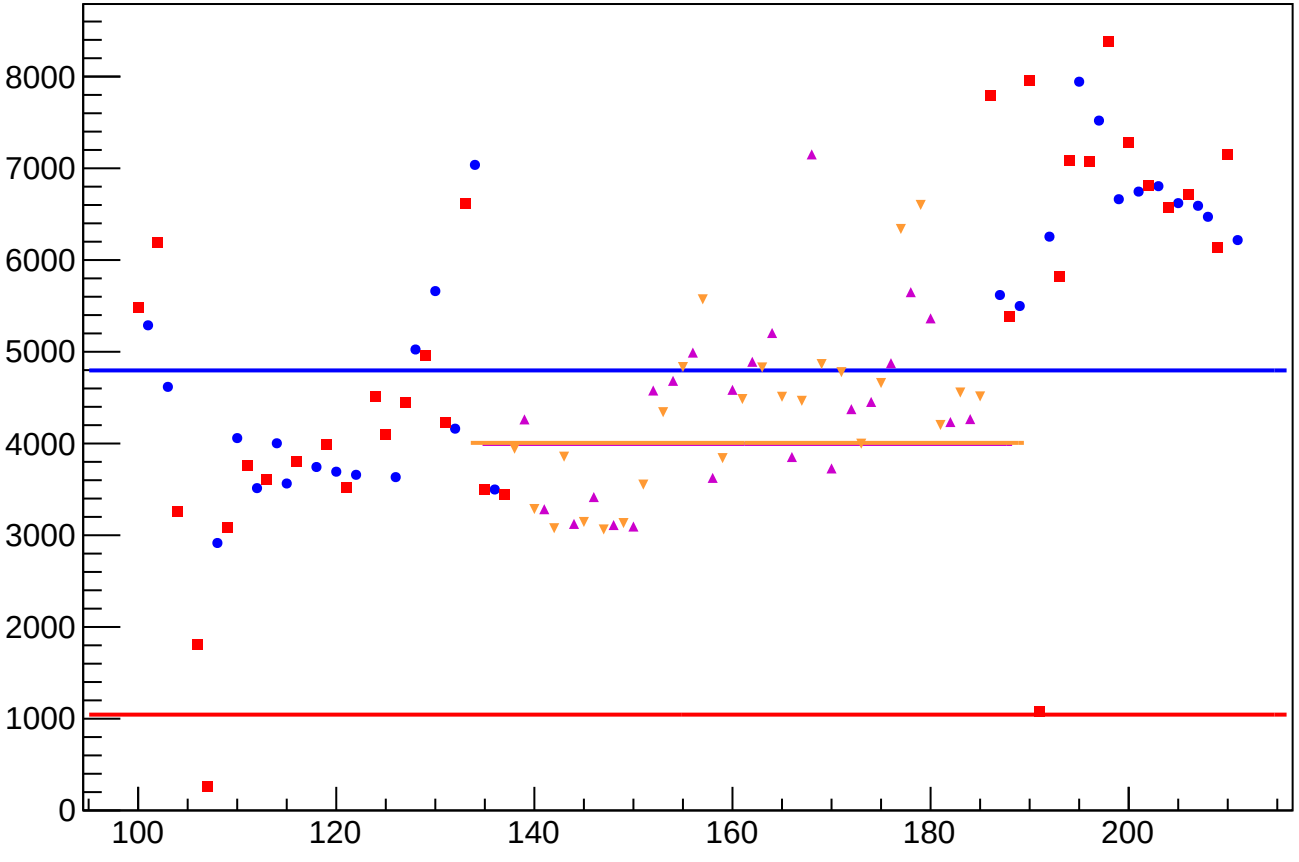
Left In: 56.377+/-956.388 χ^2/NDF:14.3/22

+ sign -61.670+/-745.217 χ^2/NDF: 56.4/52

All: -151.362+/-377.487 χ^2/NDF: 106.7/108

- sign -182.320+/-437.812 χ^2/NDF: 50.3/55

asym_atl1r2_dd_cor_correction_rms vs Slug



Right In: 4796.707+/-0.872 χ^2/NDF: 2725271.0/27

Left Out: 4006.990+/-0.661 χ^2/NDF:1503698.2/24

Right Out: 1044.585+/-0.348 χ^2/NDF: 26358195.2/32

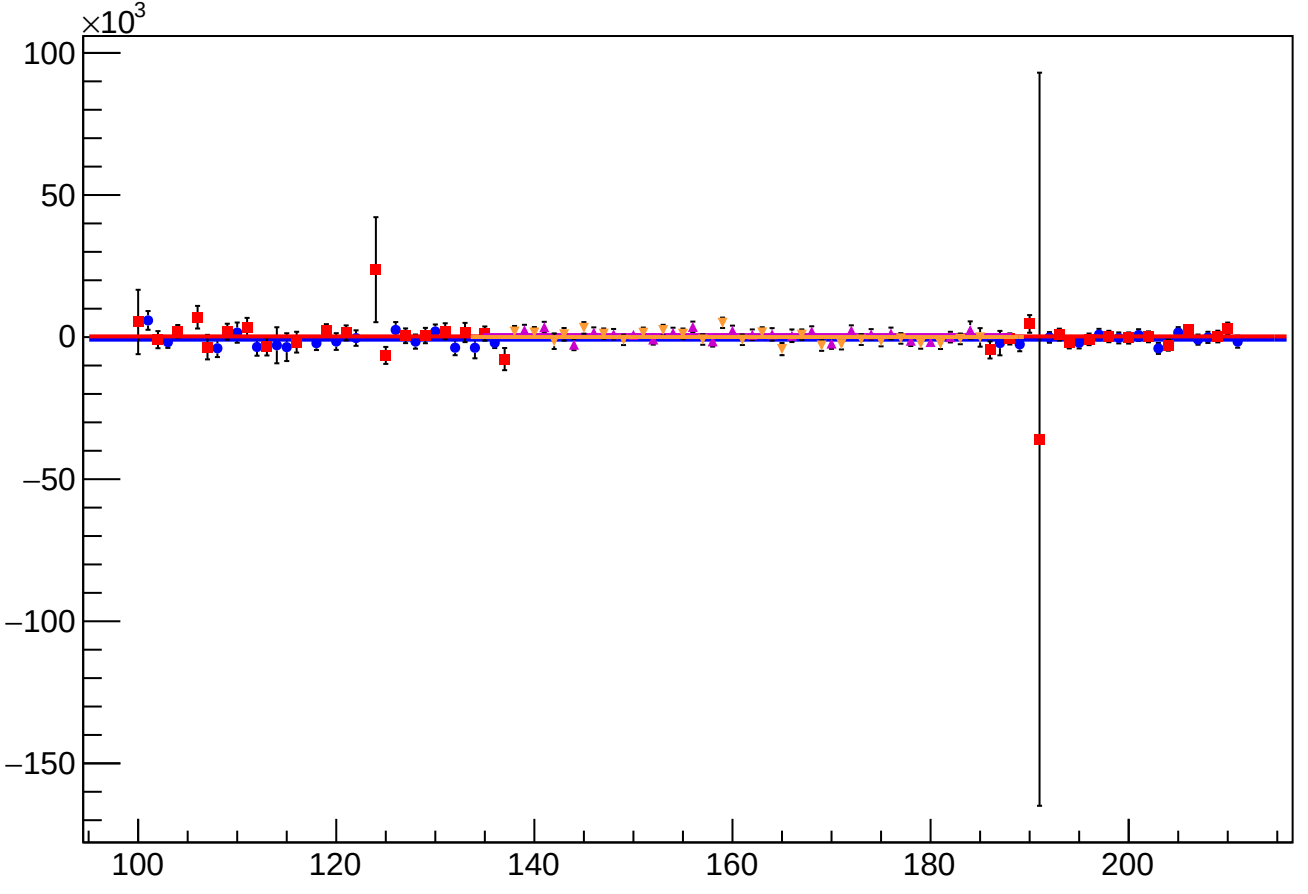
Left In: 3994.972+/-0.676 χ^2/NDF:1538098.4/22

+ sign 4295.192+/-0.527 χ^2/NDF: 4749497.7/52

All: 2338.293+/-0.267 χ^2/NDF: 66241870.1/1

- sign 1662.867+/-0.310 χ^2/NDF: 42941182.3/55

eigen_cor_asym_atl1r2_dd_mean vs Slug



Right In: -893.906+/-450.926 χ^2/NDF: 19.4/27

Left Out: 23.186+/-387.732 χ^2/NDF:29.5/24

Right Out: 252.182+/-443.095 χ^2/NDF: 33.6/32

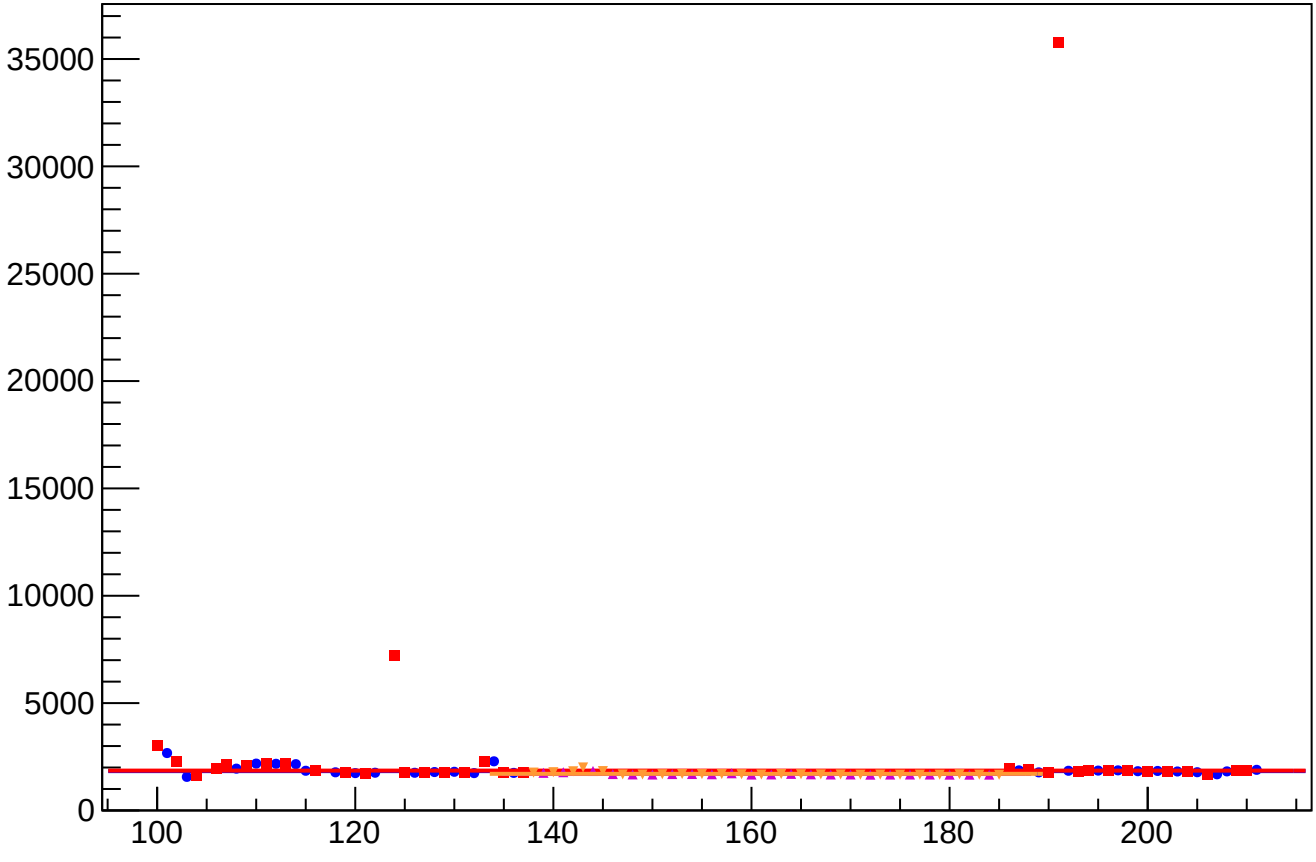
Left In: 719.380+/-396.449 χ^2/NDF:19.1/22

+ sign -366.646+/-293.994 χ^2/NDF: 51.3/52

All: 70.334+/-208.398 χ^2/NDF: 109.0/108

- sign 511.659+/-295.452 χ^2/NDF: 53.3/55

eigen_cor_asym_atl1r2_dd_rms vs Slug



Right In: 1831.752+/-0.319 χ^2/NDF: 280621.8/27

Left Out: 1705.635+/-0.274 χ^2/NDF:59928.6/24

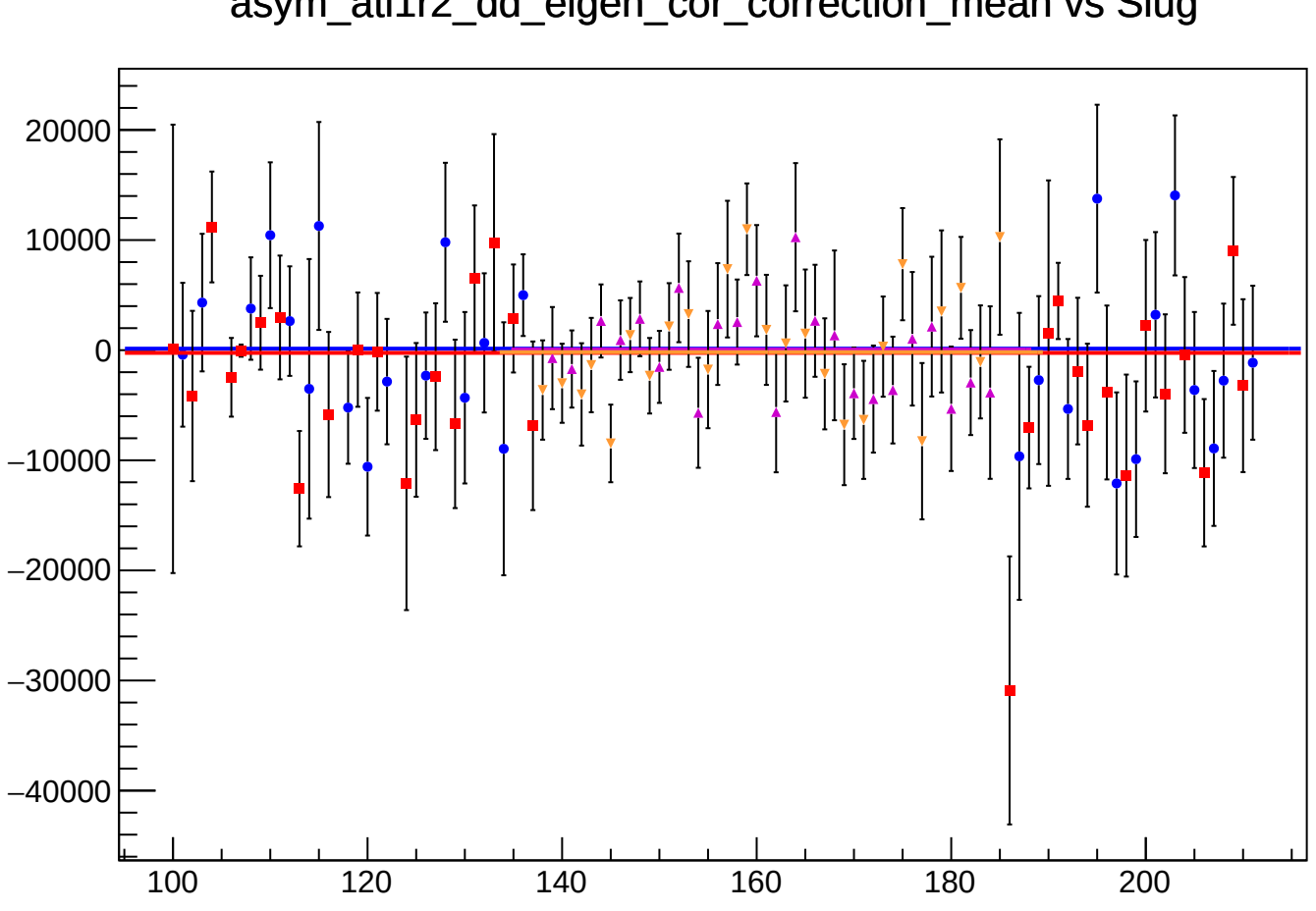
Right Out: 1856.214+/-0.313 χ^2/NDF: 536240.6/32

Left In: 1697.514+/-0.280 χ^2/NDF:21146.9/22

+ sign 1759.244+/-0.208 χ^2/NDF: 430496.9/52

All: 1763.671+/-0.147 χ^2/NDF: 1131416.2/10

- sign 1768.138+/-0.209 χ^2/NDF: 700008.2/55



Right In: 136.857+/-1233.590 χ^2/NDF: 28.4/27

Left Out: -175.755+/-935.140 χ^2/NDF:27.9/24

Right Out: -245.603+/-492.440 χ^2/NDF: 35.9/32

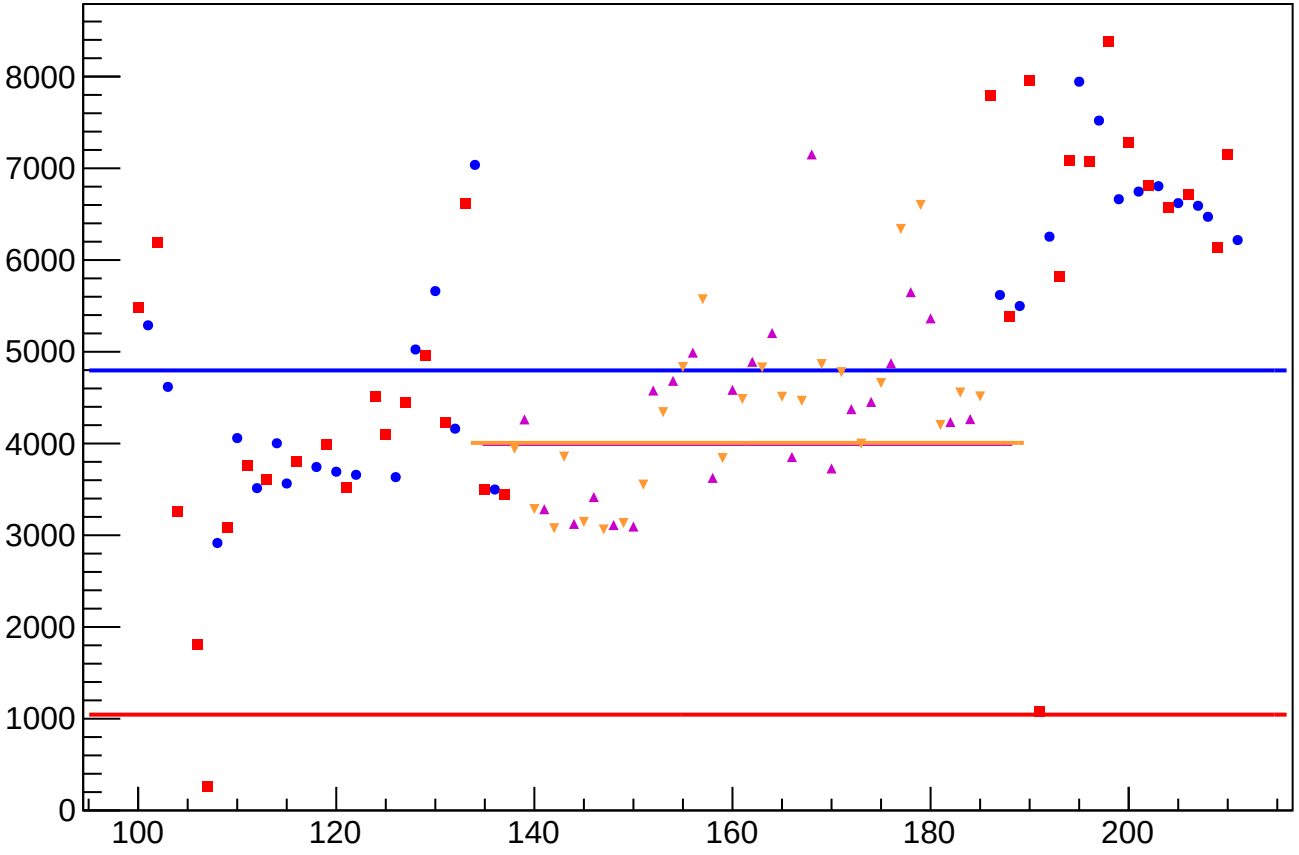
Left In: 56.377+/-956.388 χ^2/NDF:14.3/22

+ sign -61.670+/-745.217 χ^2/NDF: 56.4/52

All: -151.362+/-377.487 χ^2/NDF: 106.7/108

- sign -182.320+/-437.812 χ^2/NDF: 50.3/55

asym_atl1r2_dd_eigen_cor_correction_rms vs Slug



Right In: 4796.707+/-0.872 χ^2/NDF: 2725271.0/27

Left Out: 4006.990+/-0.661 χ^2/NDF:1503698.2/24

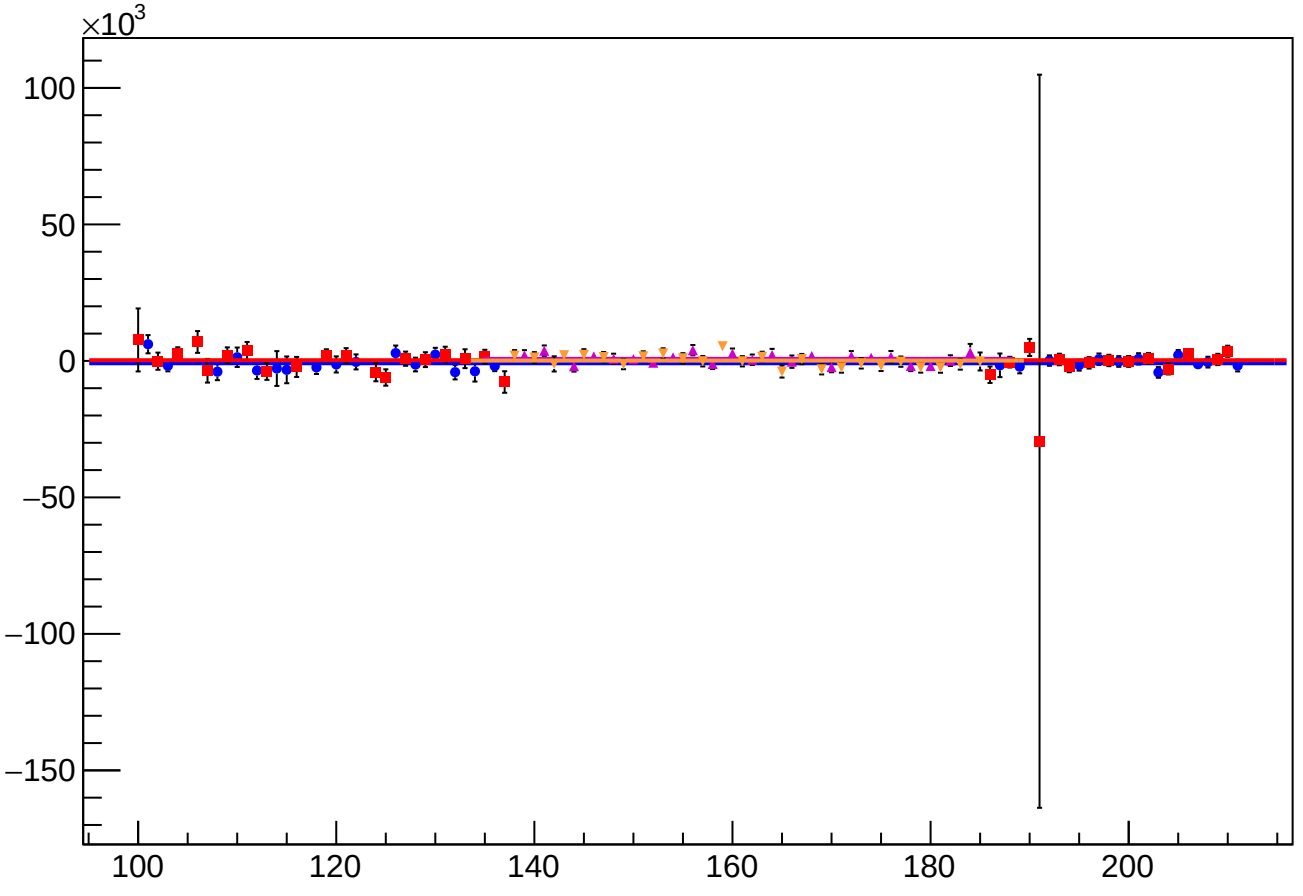
Right Out: 1044.585+/-0.348 χ^2/NDF: 26358195.2/32

Left In: 3994.972+/-0.676 χ^2/NDF:1538098.4/22

+ sign 4295.192+/-0.527 χ^2/NDF: 4749497.7/52

All: 2338.293+/-0.267 χ^2/NDF: 66241870.1/1

- sign 1662.867+/-0.310 χ^2/NDF: 42941182.3/55



Right In: -862.772+/-455.666 χ^2/NDF: 20.7/27

Left Out: 119.959+/-389.458 χ^2/NDF:29.7/24

Right Out: 254.290+/-444.840 χ^2/NDF: 35.5/32

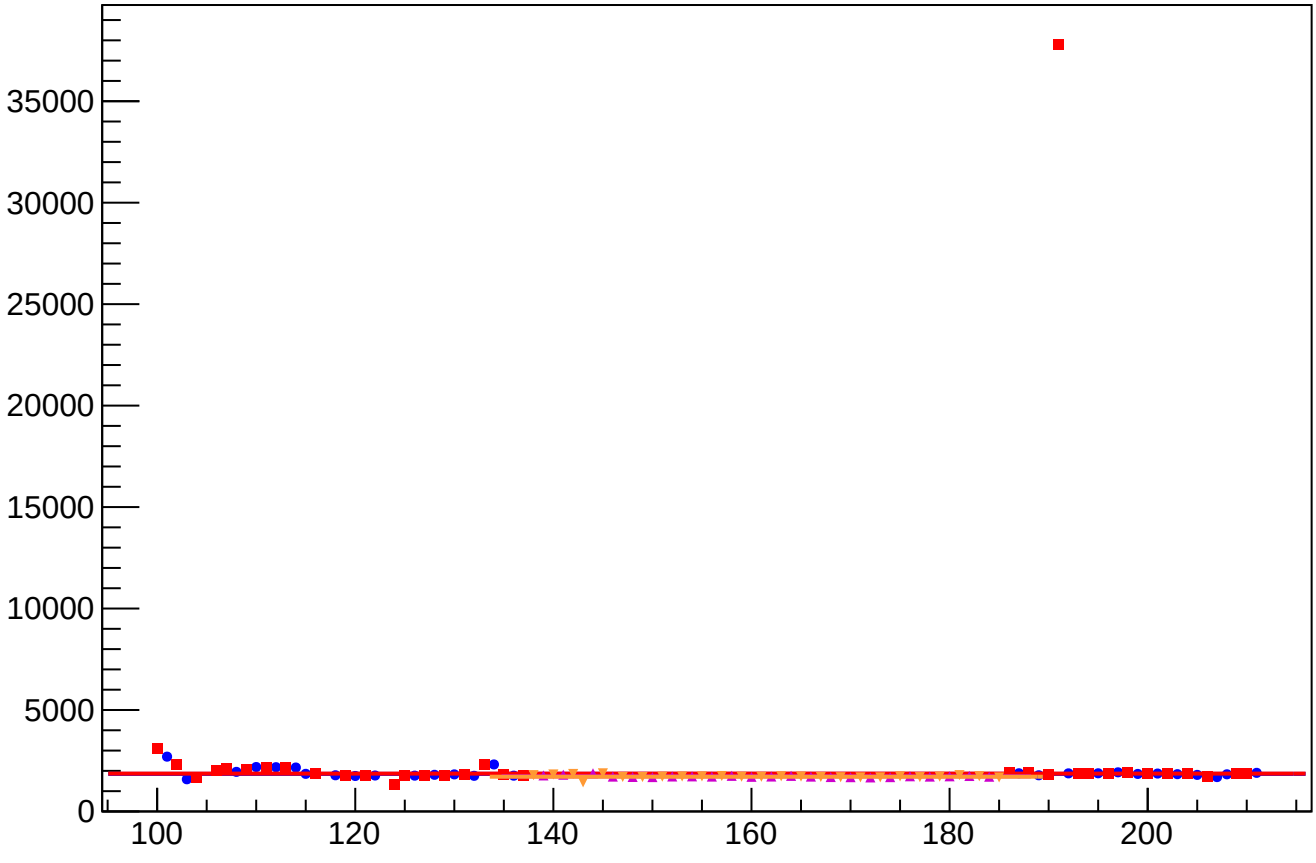
Left In: 741.191+/-404.161 χ^2/NDF:19.0/22

+ sign -294.888+/-296.056 χ^2/NDF: 53.1/52

All: 108.843+/-210.423 χ^2/NDF: 112.0/108

- sign 521.017+/-299.135 χ^2/NDF: 55.2/55

dit_asym_atl1r2_dd_rms vs Slug



Right In: 1850.798+/-0.322 χ^2/NDF: 280302.0/27

Left Out: 1712.310+/-0.275 χ^2/NDF:94399.0/24

Right Out: 1865.122+/-0.314 χ^2/NDF: 430575.0/32

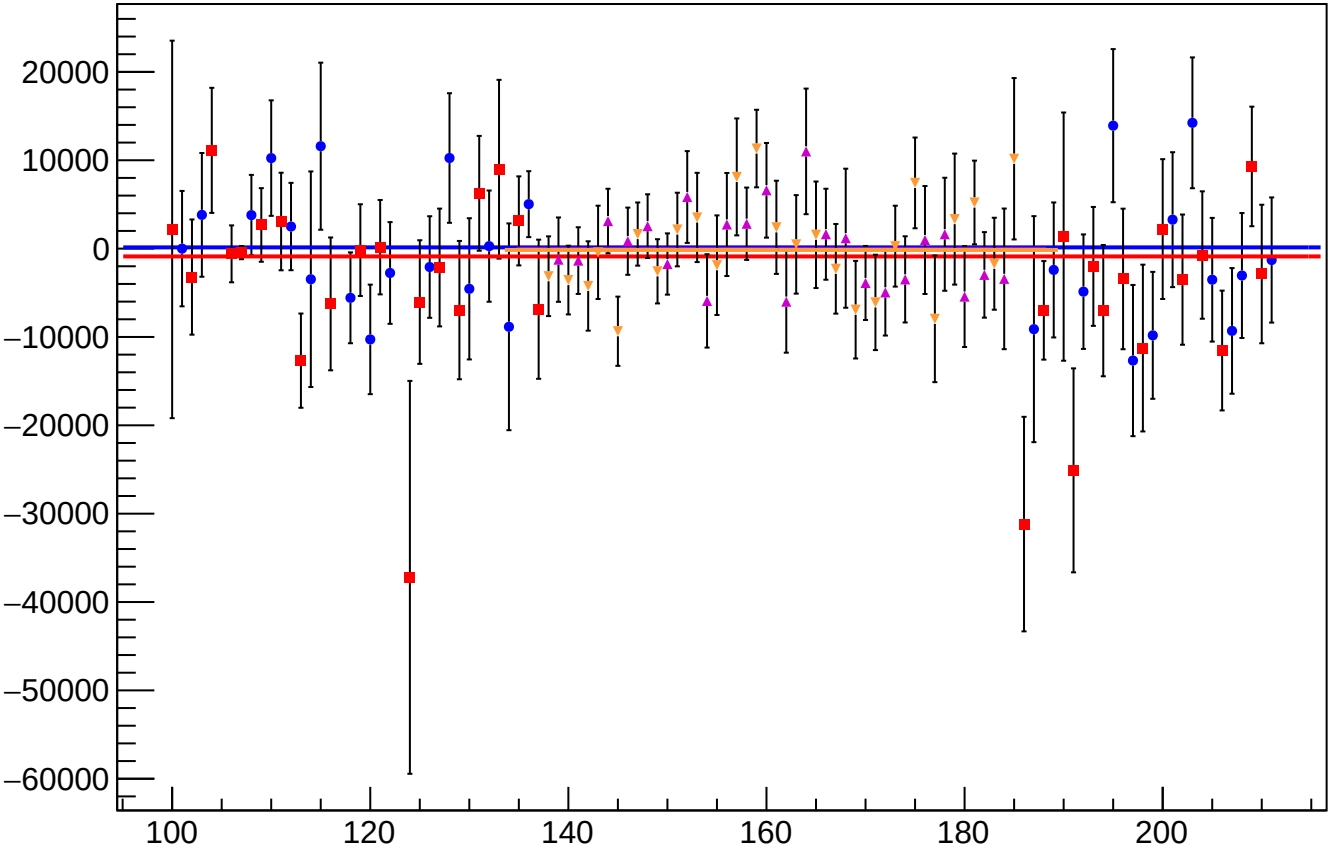
Left In: 1730.342+/-0.286 χ^2/NDF:23075.7/22

+ sign 1770.771+/-0.209 χ^2/NDF: 481455.6/52

All: 1780.936+/-0.149 χ^2/NDF: 1040485.3/10

- sign 1791.311+/-0.211 χ^2/NDF: 554265.0/55

asym_atl1r2_dd_dit_correction_mean vs Slug



Right In: 138.753+/-1243.968 χ^2/NDF: 28.1/27

Left Out: -150.169+/-984.984 χ^2/NDF:26.9/24

Right Out: -884.330+/-627.663 χ^2/NDF: 36.2/32

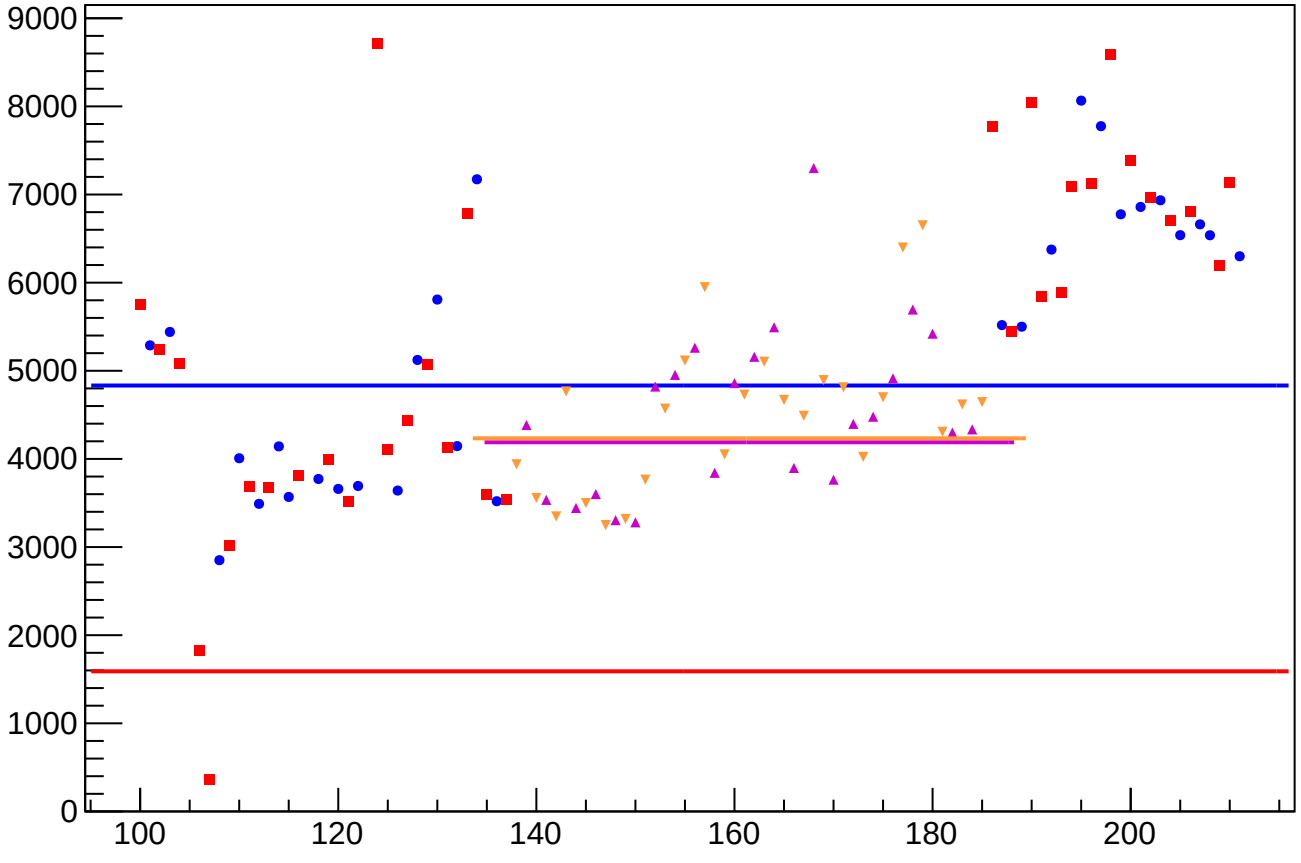
Left In: -65.169+/-1000.106 χ^2/NDF:14.0/22

+ sign -38.831+/-772.219 χ^2/NDF: 55.0/52

All: -455.410+/-437.895 χ^2/NDF: 106.2/108

- sign -652.854+/-531.636 χ^2/NDF: 50.7/55

asym_atl1r2_dd_dit_correction_rms vs Slug



Right In: 4832.892+/-0.880 χ^2/NDF: 2881710.3/27

Left Out: 4233.905+/-0.696 χ^2/NDF:1284783.2/24

Right Out: 1589.966+/-0.444 χ^2/NDF: 23179565.1/32

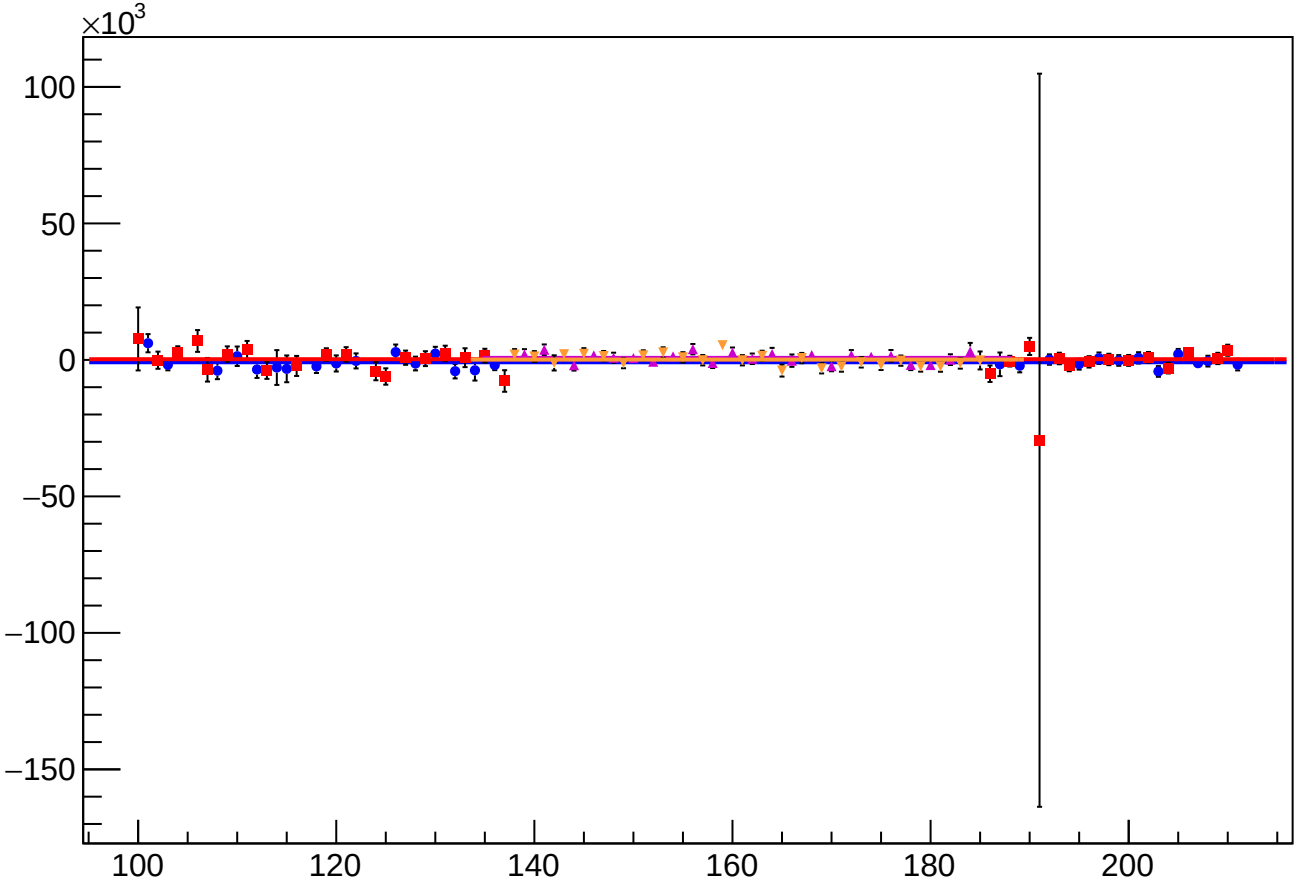
Left In: 4188.874+/-0.707 χ^2/NDF:1344602.0/22

+ sign 4464.729+/-0.546 χ^2/NDF: 4451509.8/52

All: 3012.610+/-0.310 χ^2/NDF: 49089180.9/1

- sign 2324.356+/-0.376 χ^2/NDF: 34213529.0/55

eigen_dit_asym_atl1r2_dd_mean vs Slug



Right In: -862.773+/-455.666 χ^2/NDF: 20.7/27

Left Out: 119.962+/-389.458 χ^2/NDF:29.7/24

Right Out: 254.290+/-444.841 χ^2/NDF: 35.5/32

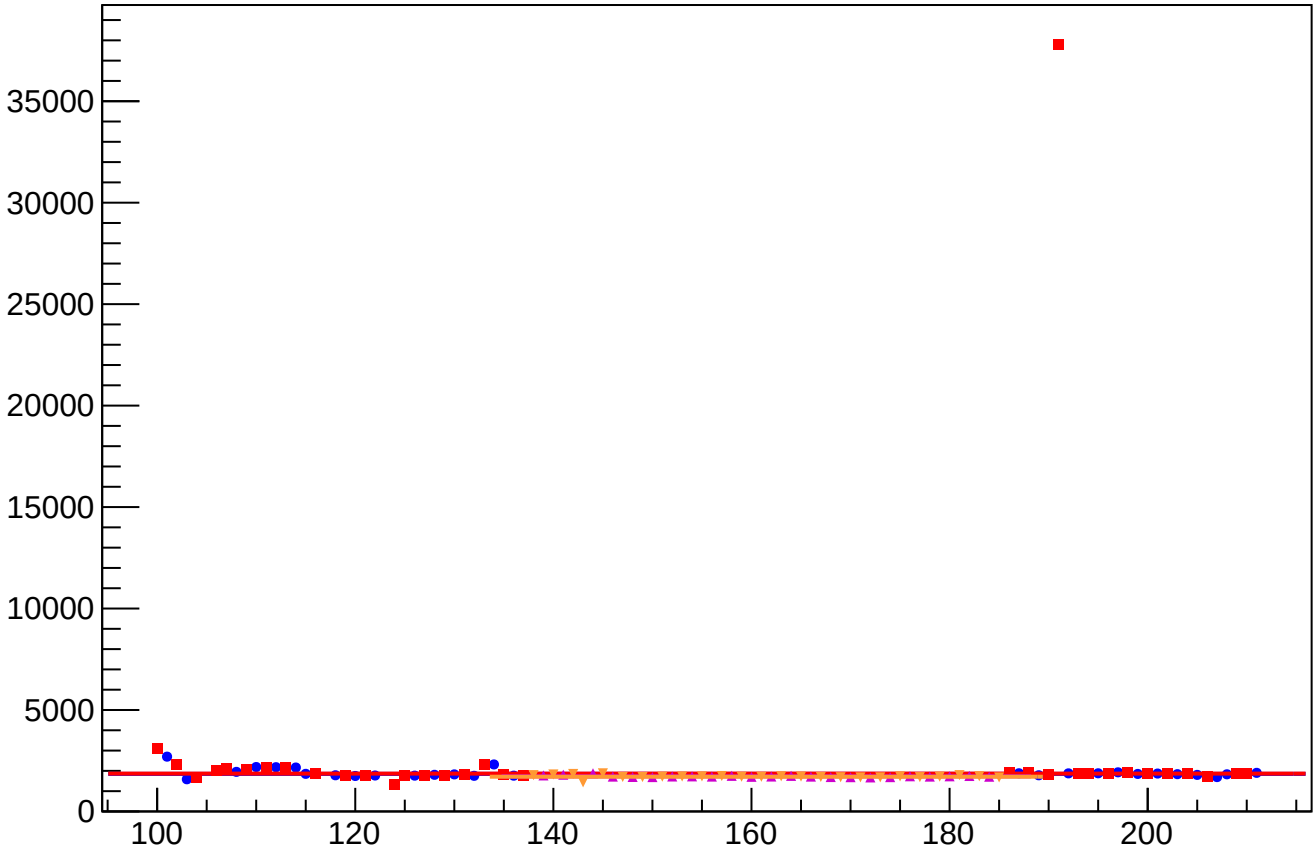
Left In: 741.189+/-404.161 χ^2/NDF:19.0/22

+ sign -294.887+/-296.056 χ^2/NDF: 53.1/52

All: 108.843+/-210.423 χ^2/NDF: 112.0/108

- sign 521.016+/-299.135 χ^2/NDF: 55.2/55

eigen_dit_asym_atl1r2_dd_rms vs Slug



Right In: 1850.798+/-0.322 χ^2/NDF: 280301.9/27

Left Out: 1712.310+/-0.275 χ^2/NDF:94398.1/24

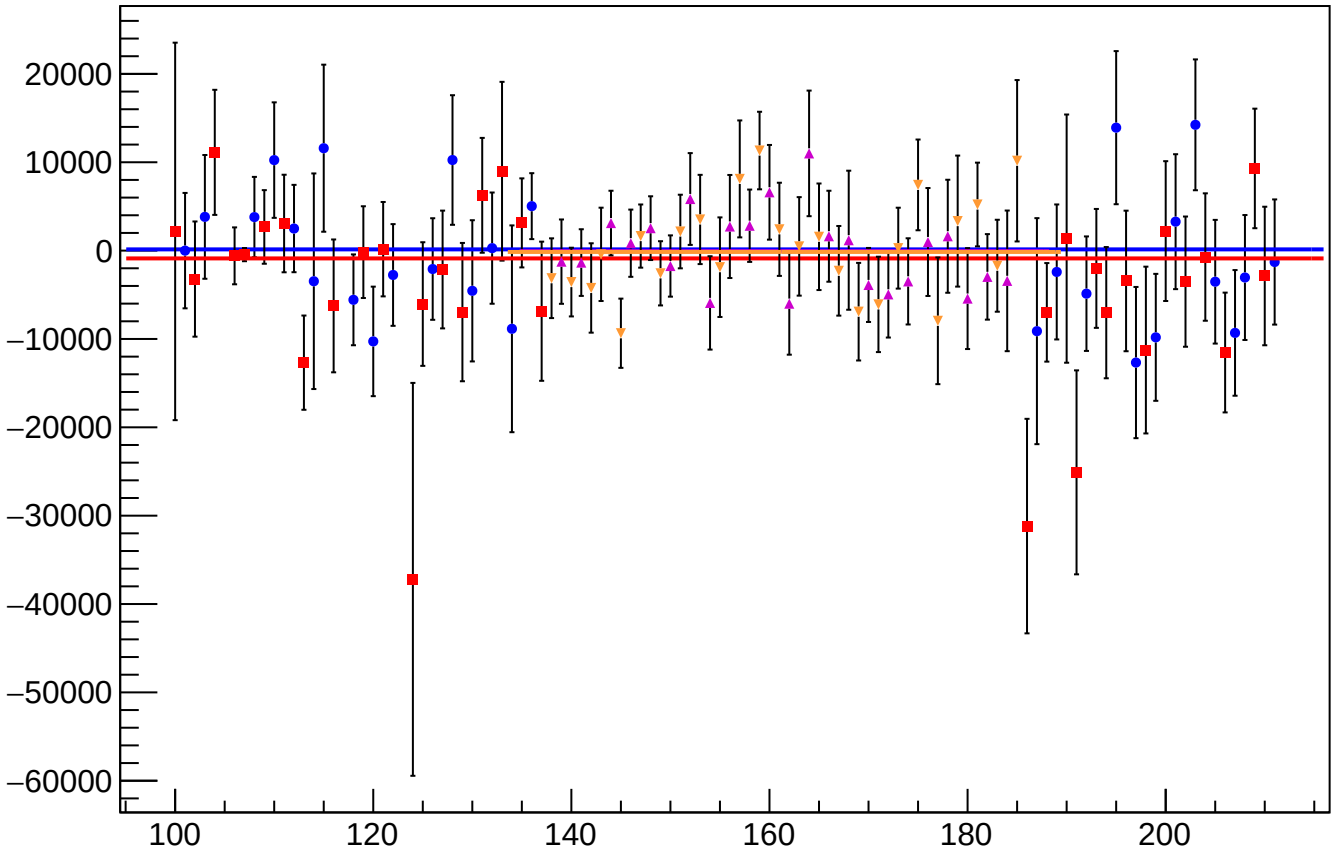
Right Out: 1865.122+/-0.314 χ^2/NDF: 430575.3/32

Left In: 1730.342+/-0.286 χ^2/NDF:23075.7/22

+ sign 1770.771+/-0.209 χ^2/NDF: 481453.7/52

All: 1780.937+/-0.149 χ^2/NDF: 1040483.0/10

- sign 1791.312+/-0.211 χ^2/NDF: 554264.7/55



Right In: 138.743+/-1243.967 χ^2/NDF: 28.1/27

Left Out: -150.169+/-984.986 χ^2/NDF:26.9/24

Right Out: -884.348+/-627.672 χ^2/NDF: 36.2/32

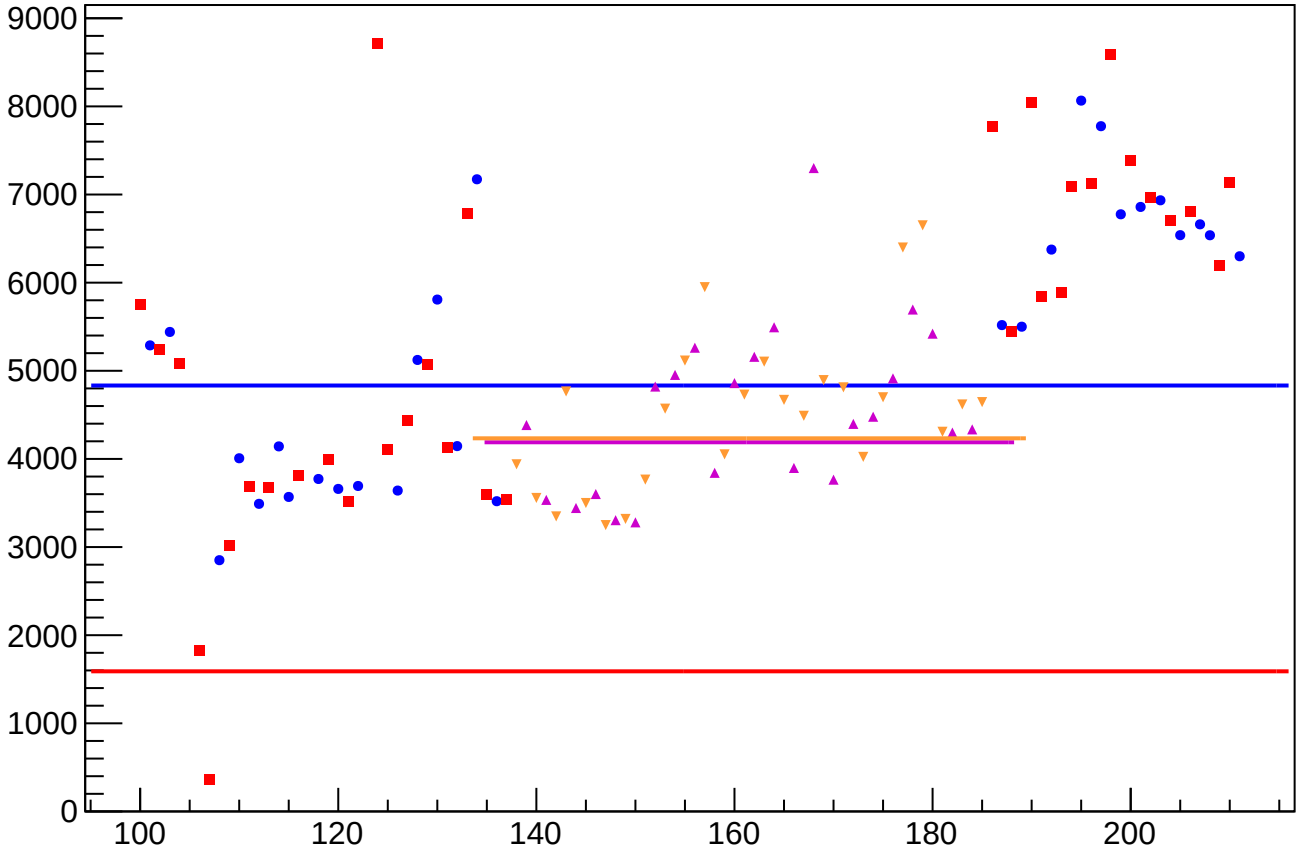
Left In: -65.171+/-1000.108 χ^2/NDF:14.0/22

+ sign -38.834+/-772.220 χ^2/NDF: 55.0/52

All: -455.415+/-437.899 χ^2/NDF: 106.2/108

- sign -652.863+/-531.642 χ^2/NDF: 50.7/55

asym_atl1r2_dd_eigen_dit_correction_rms vs Slug



Right In: 4832.888+/-0.880 χ^2/NDF: 2881732.8/27

Left Out: 4233.911+/-0.696 χ^2/NDF:1284785.6/24

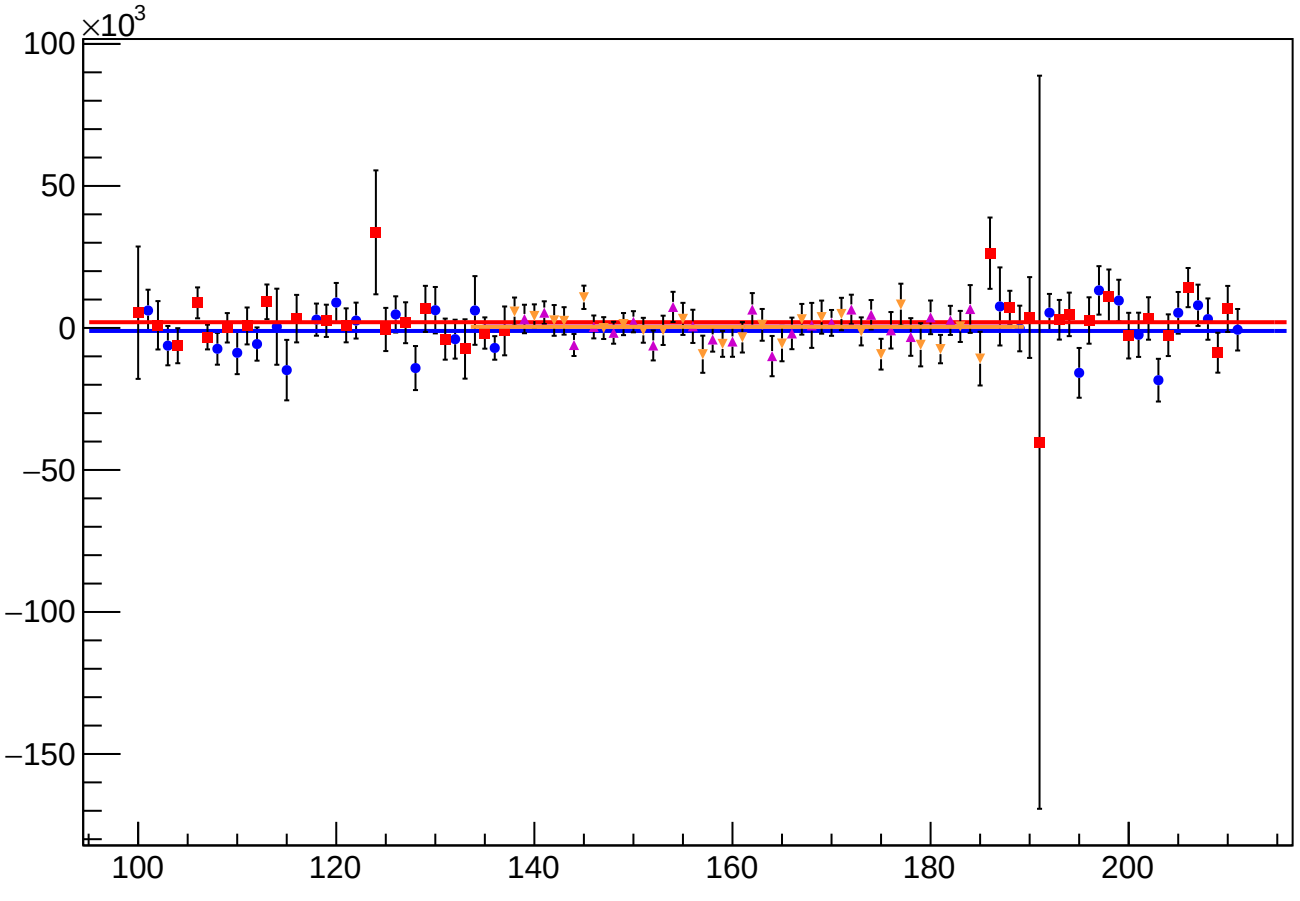
Right Out: 1590.009+/-0.444 χ^2/NDF: 23179260.3/32

Left In: 4188.880+/-0.707 χ^2/NDF:1344607.0/22

+ sign 4464.731+/-0.546 χ^2/NDF: 4451525.0/52

All: 3012.652+/-0.310 χ^2/NDF: 49088003.0/1

- sign 2324.402+/-0.376 χ^2/NDF: 34212851.3/55



Right In: -1057.867+/-1347.740 χ^2/NDF: 33.2/27

Left Out: 398.336+/-1028.431 χ^2/NDF:24.7/24

Right Out: 2025.707+/-1259.440 χ^2/NDF: 23.4/32

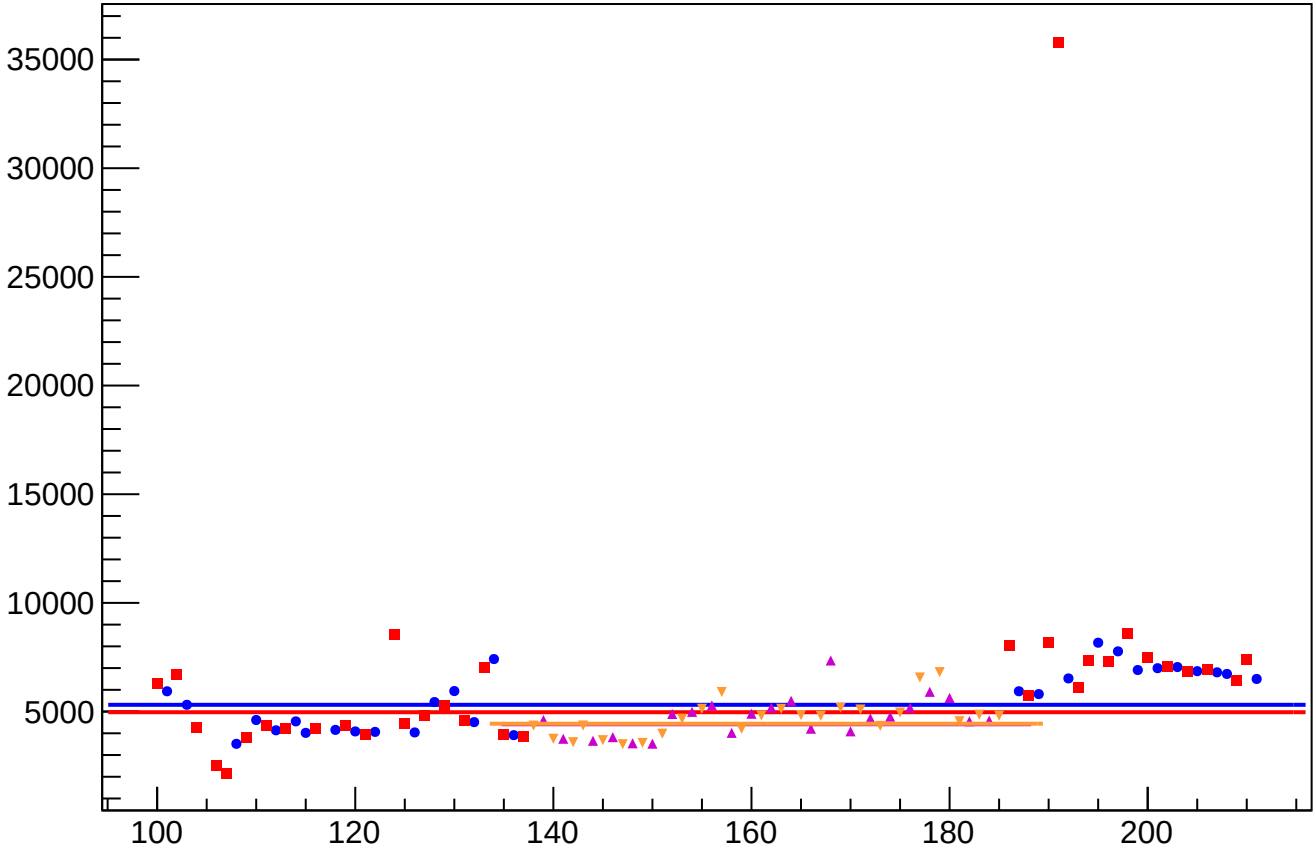
Left In: 502.999+/-1049.682 χ^2/NDF:17.3/22

+ sign -137.553+/-817.584 χ^2/NDF: 58.7/52

All: 503.561+/-574.103 χ^2/NDF: 101.5/108

- sign 1127.164+/-806.341 χ^2/NDF: 41.6/55

asym_atl1r2_dd_rms vs Slug



Right In: 5310.451+/-0.953 χ^2/NDF: 2039114.6/27

Left Out: 4440.810+/-0.727 χ^2/NDF:1073119.1/24

Right Out: 4969.403+/-0.885 χ^2/NDF: 3958442.5/32

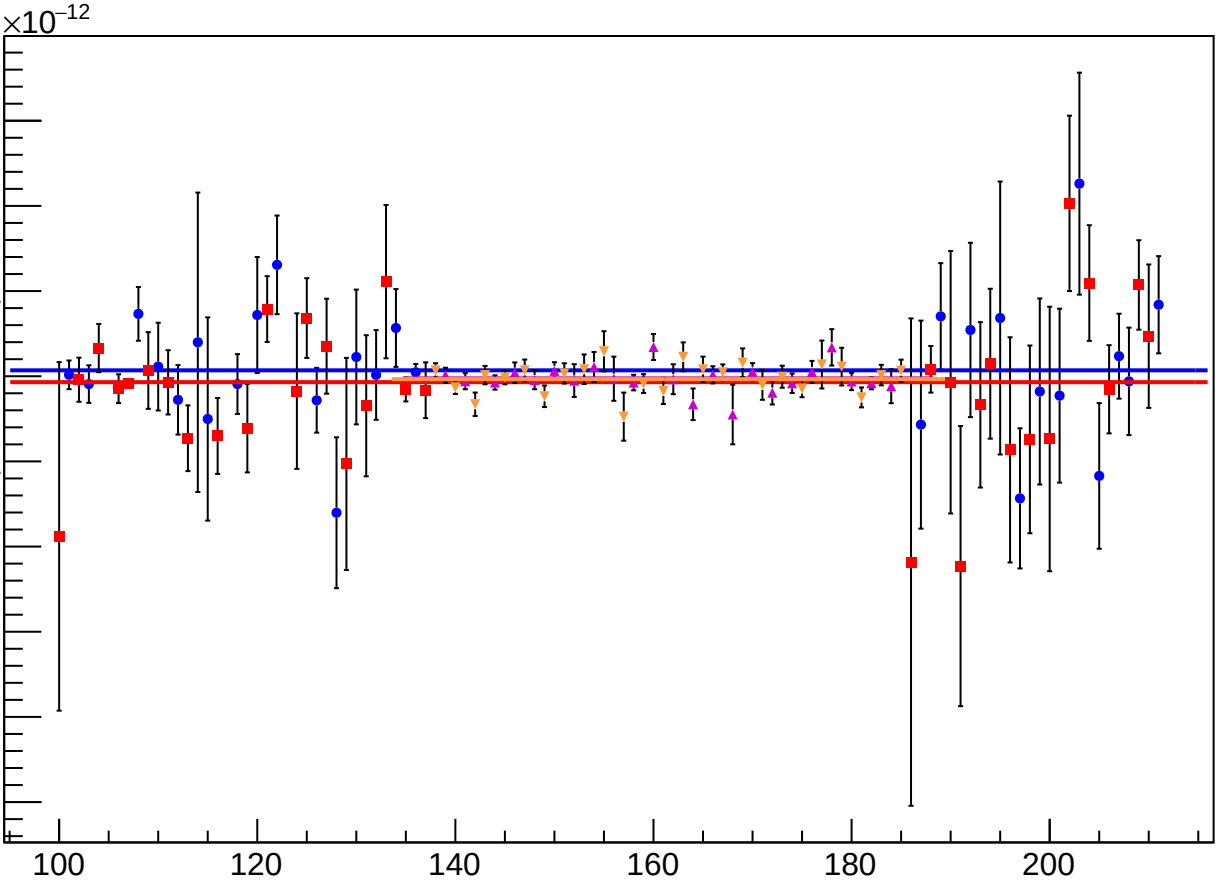
Left In: 4415.366+/-0.742 χ^2/NDF:1111411.1/22

+ sign 4760.841+/-0.578 χ^2/NDF: 3638508.4/52

All: 4701.578+/-0.405 χ^2/NDF: 8959213.9/10

- sign 4644.248+/-0.569 χ^2/NDF: 5300031.6/55

asym_atl1r2_dd_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 29.5/27

Left Out: -0.000+/-0.000 χ^2/NDF:28.5/24

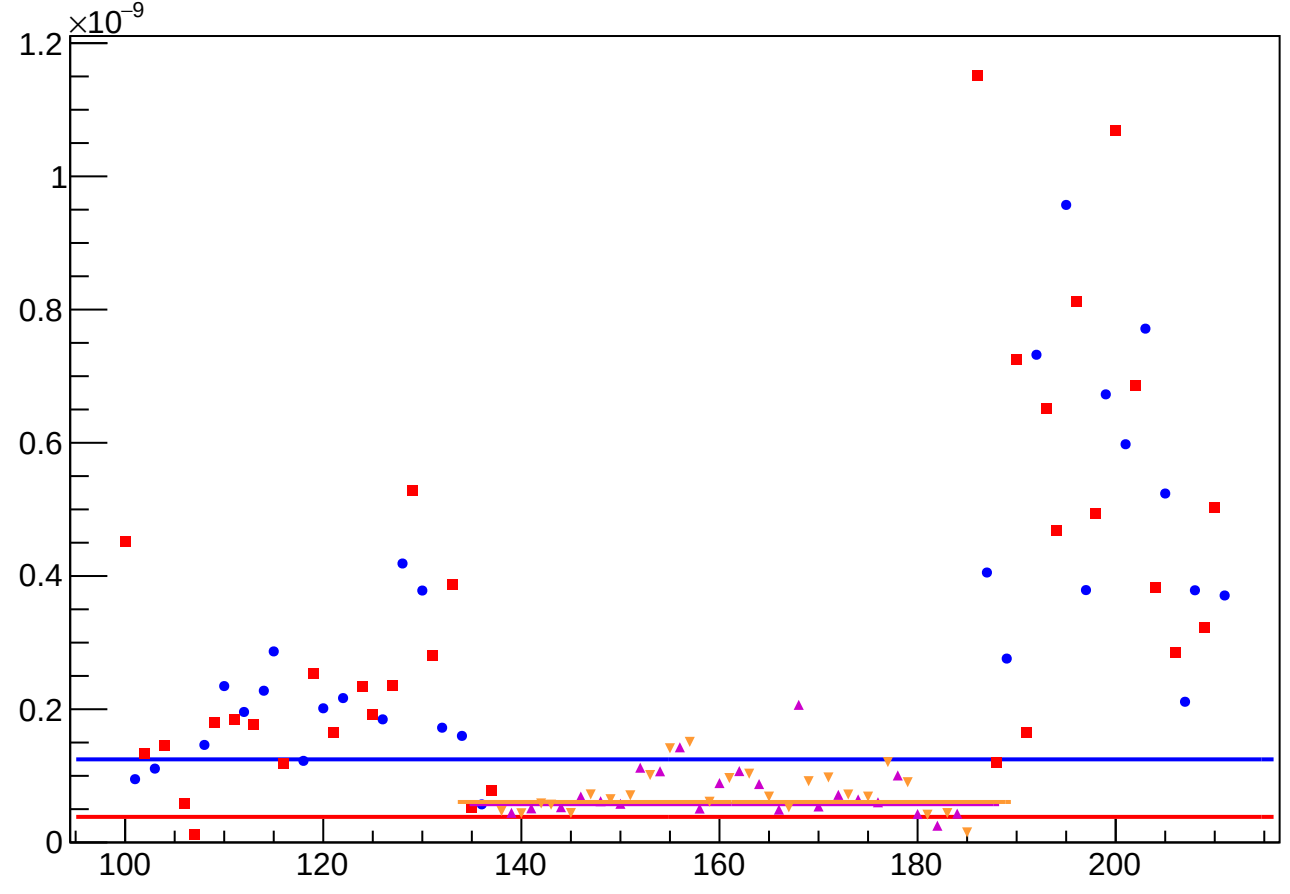
Right Out: -0.000+/-0.000 χ^2/NDF: 36.0/32

Left In: -0.000+/-0.000 χ^2/NDF:19.3/22

+ sign -0.000+/-0.000 χ^2/NDF: 60.1/52

All: -0.000+/-0.000 χ^2/NDF: 117.1/108

- sign -0.000+/-0.000 χ^2/NDF: 56.5/55



Right In: 0.000+/-0.000 χ^2/NDF: 6111224.6/27

Left Out: 0.000+/-0.000 χ^2/NDF:1723737.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 11532751.3/32

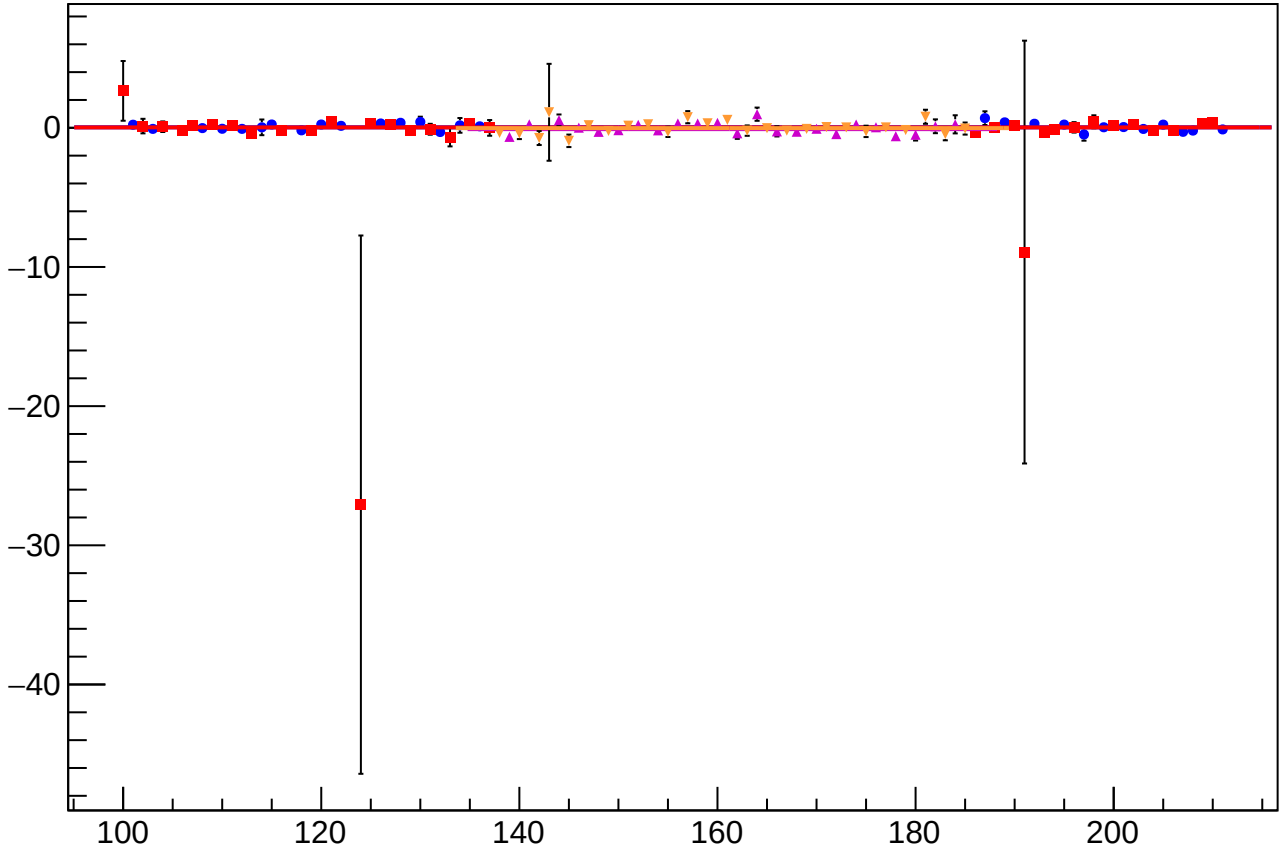
Left In: 0.000+/-0.000 χ^2/NDF:1878360.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 9518118.1/52

All: 0.000+/-0.000 χ^2/NDF: 24084135.6/108

- sign 0.000+/-0.000 χ^2/NDF: 13845220.8/55

asym_atl1r2_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.035+/-0.049 χ^2/NDF: 20.4/27

Left Out: -0.024+/-0.062 χ^2/NDF:23.5/24

Right Out: 0.029+/-0.044 χ^2/NDF: 35.2/32

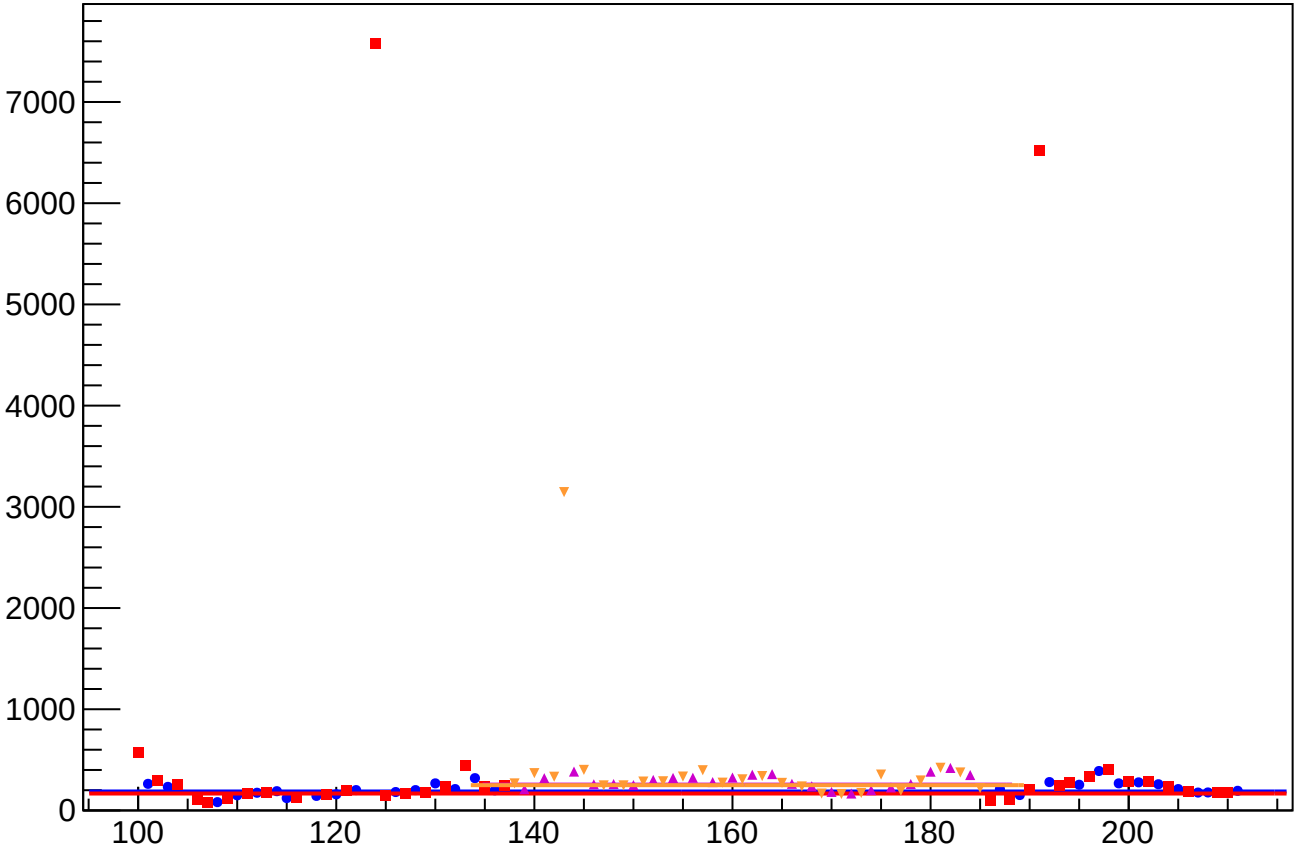
Left In: -0.095+/-0.063 χ^2/NDF:31.5/22

+ sign 0.012+/-0.039 χ^2/NDF: 44.5/52

All: -0.001+/-0.026 χ^2/NDF: 114.1/108

- sign -0.013+/-0.036 χ^2/NDF: 69.3/55

asym_atl1r2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 187.413+/-0.035 χ^2/NDF: 2969654.2/27

Left Out: 249.848+/-0.044 χ^2/NDF:4234507.4/24

Right Out: 167.309+/-0.031 χ^2/NDF: 5314259.5/32

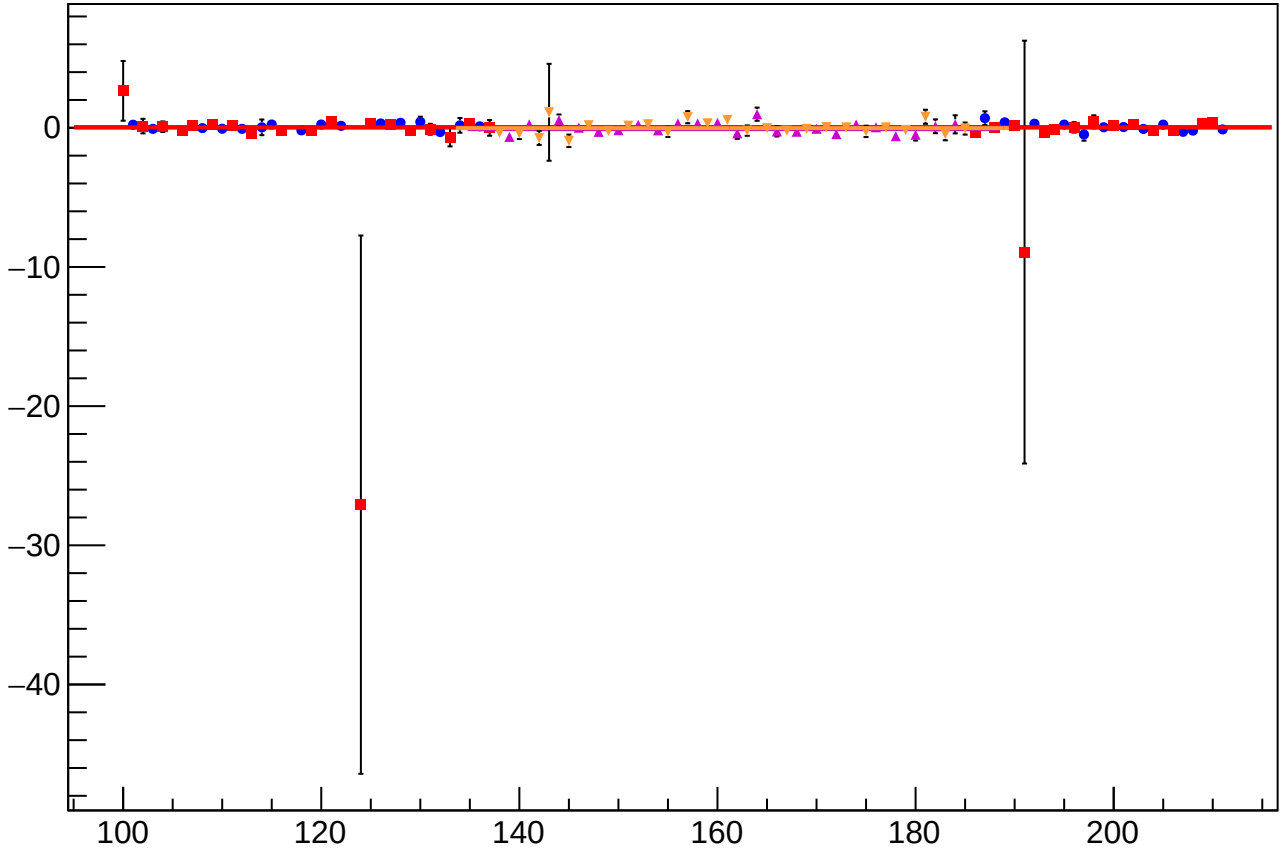
Left In: 255.299+/-0.045 χ^2/NDF:2111552.0/22

+ sign 211.859+/-0.027 χ^2/NDF: 8453525.3/52

All: 203.770+/-0.019 χ^2/NDF: 18648831.8/10

- sign 196.584+/-0.026 χ^2/NDF: 10029073.8/55

asym_atl1r2_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.035+/-0.049 χ^2/NDF: 20.4/27

Left Out: -0.024+/-0.062 χ^2/NDF:23.5/24

Right Out: 0.029+/-0.044 χ^2/NDF: 35.2/32

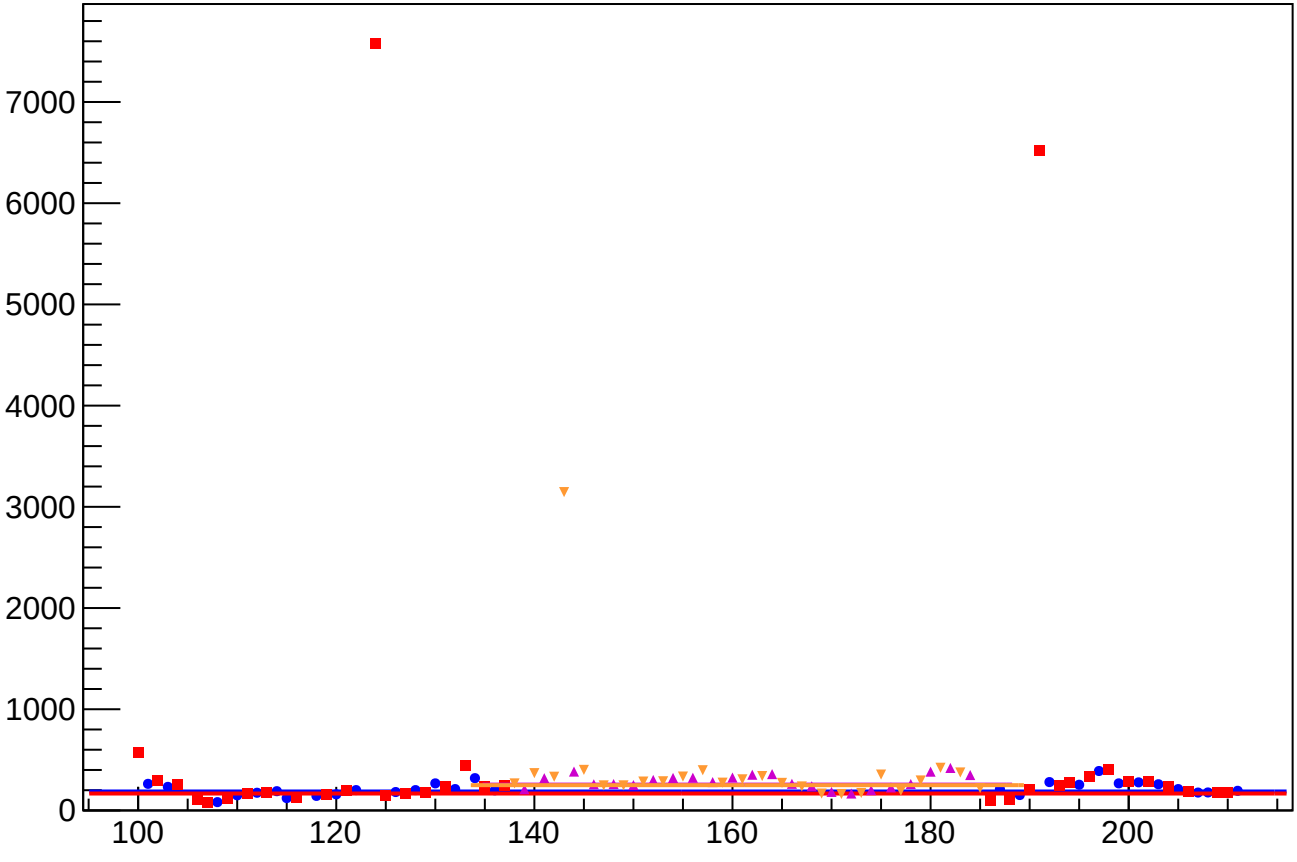
Left In: -0.095+/-0.063 χ^2/NDF:31.5/22

+ sign 0.012+/-0.039 χ^2/NDF: 44.5/52

All: -0.001+/-0.026 χ^2/NDF: 114.1/108

- sign -0.013+/-0.036 χ^2/NDF: 69.3/55

asym_atl1r2_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 187.413+/-0.035 χ^2/NDF: 2969654.2/27

Left Out: 249.848+/-0.044 χ^2/NDF:4234507.4/24

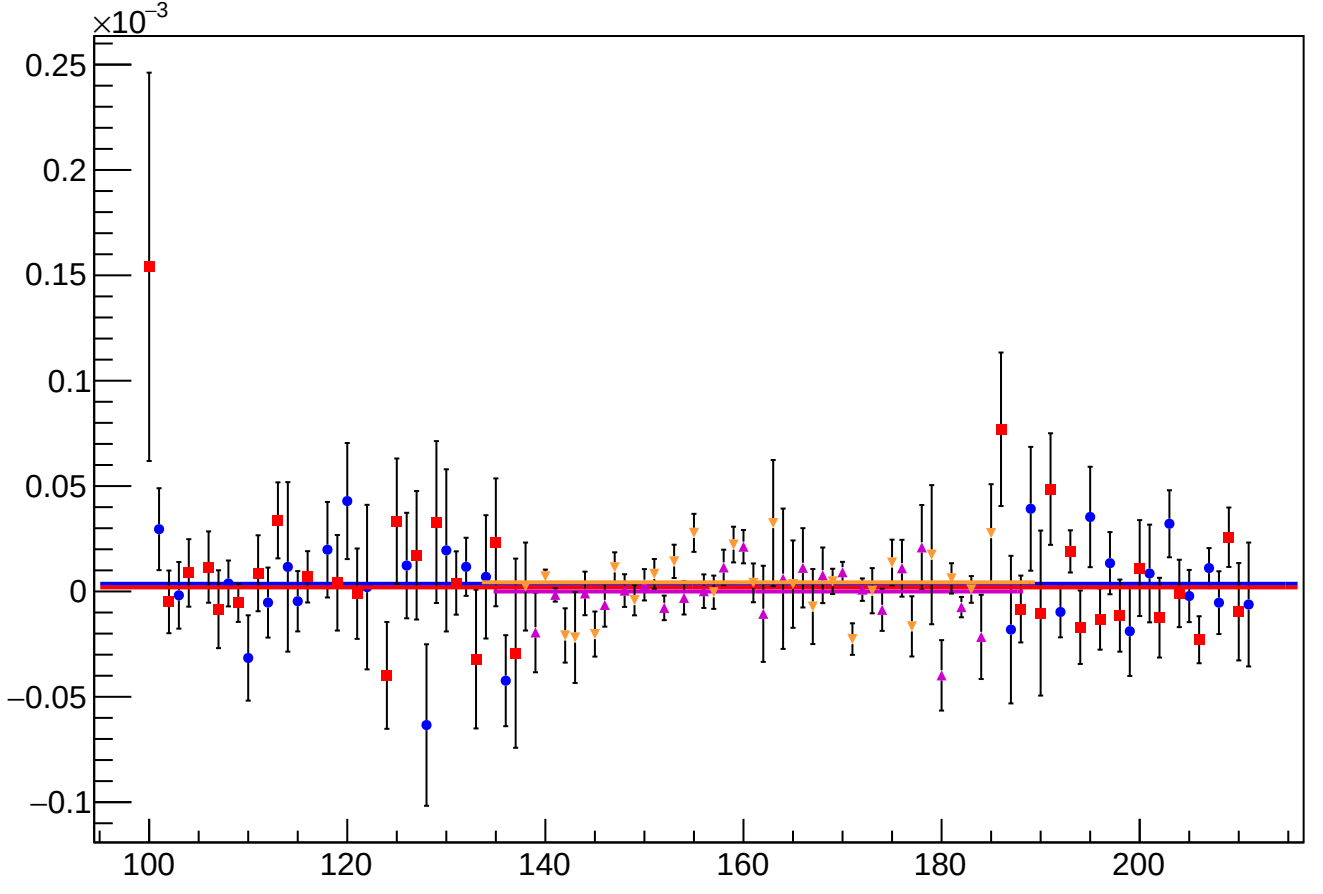
Right Out: 167.309+/-0.031 χ^2/NDF: 5314259.5/32

Left In: 255.299+/-0.045 χ^2/NDF:2111552.0/22

+ sign 211.859+/-0.027 χ^2/NDF: 8453525.3/52

All: 203.770+/-0.019 χ^2/NDF: 18648831.8/10

- sign 196.584+/-0.026 χ^2/NDF: 10029073.8/55



Right In: 0.000+/-0.000 χ^2/NDF: 27.4/27

Left Out: 0.000+/-0.000 χ^2/NDF:46.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 37.1/32

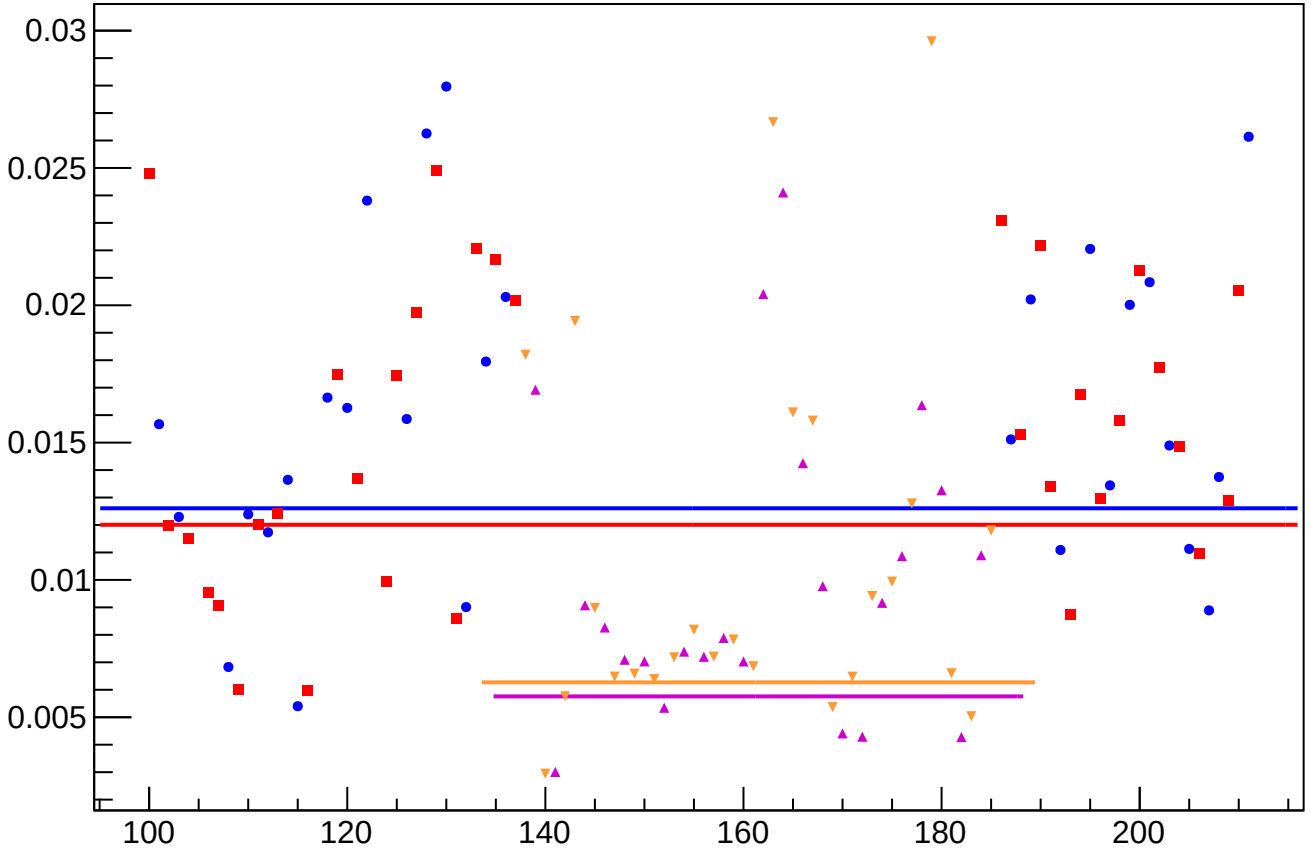
Left In: -0.000+/-0.000 χ^2/NDF:29.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 73.4/52

All: 0.000+/-0.000 χ^2/NDF: 143.4/108

- sign 0.000+/-0.000 χ^2/NDF: 66.5/55

asym_atl1r2_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF: 4259642.9/27

Left Out: 0.006+/-0.000 χ^2/NDF:7909965.6/24

Right Out: 0.012+/-0.000 χ^2/NDF: 4386111.6/32

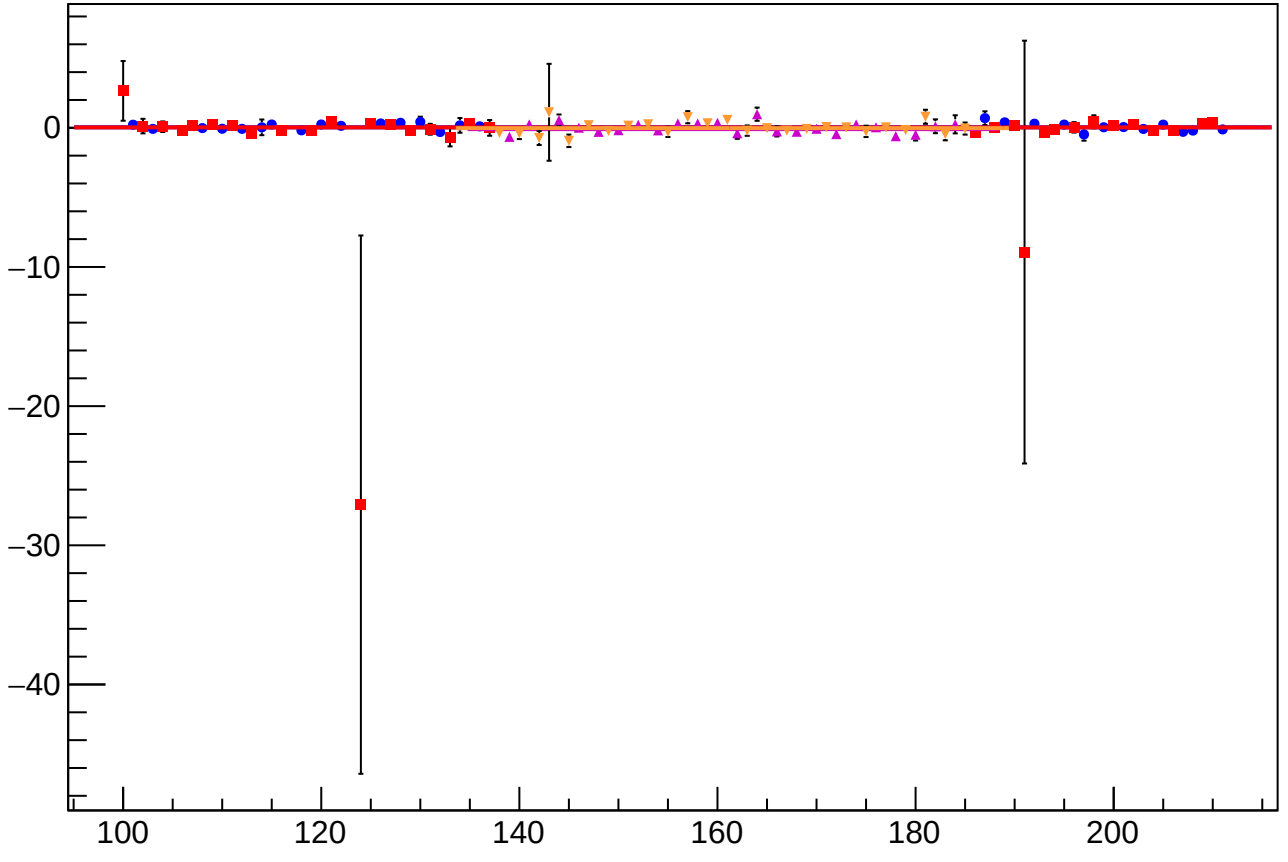
Left In: 0.006+/-0.000 χ^2/NDF:7081814.9/22

+ sign 0.008+/-0.000 χ^2/NDF: 17906811.8/52

All: 0.007+/-0.000 χ^2/NDF: 36074741.7/108

- sign 0.007+/-0.000 χ^2/NDF: 18082594.5/55

asym_atl1r2_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.035+/-0.049 χ^2/NDF: 20.4/27

Left Out: -0.024+/-0.062 χ^2/NDF:23.5/24

Right Out: 0.029+/-0.044 χ^2/NDF: 35.2/32

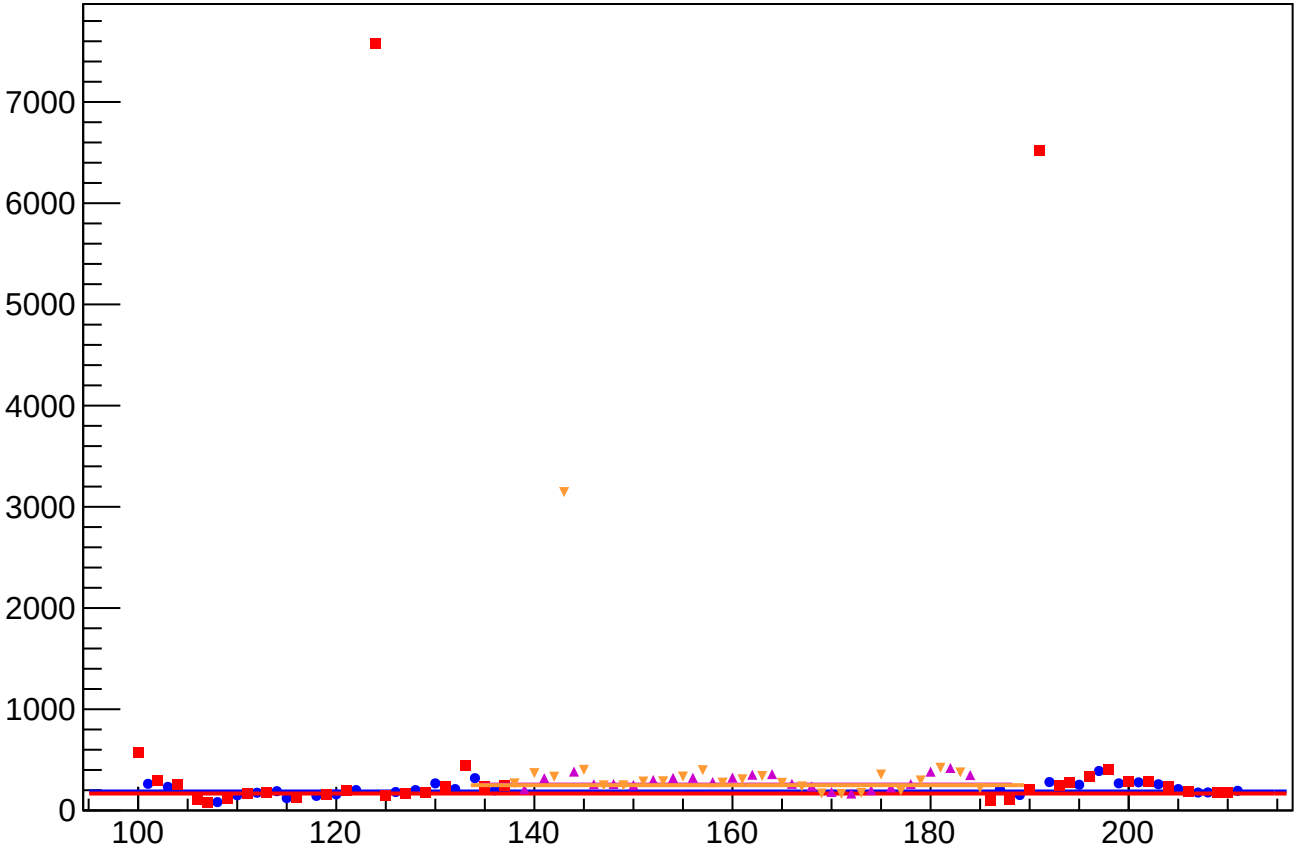
Left In: -0.095+/-0.063 χ^2/NDF:31.5/22

+ sign 0.012+/-0.039 χ^2/NDF: 44.5/52

All: -0.001+/-0.026 χ^2/NDF: 114.1/108

- sign -0.013+/-0.036 χ^2/NDF: 69.3/55

asym_atl1r2_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 187.412+/-0.035 χ^2/NDF: 2969730.0/27

Left Out: 249.850+/-0.044 χ^2/NDF:4234600.7/24

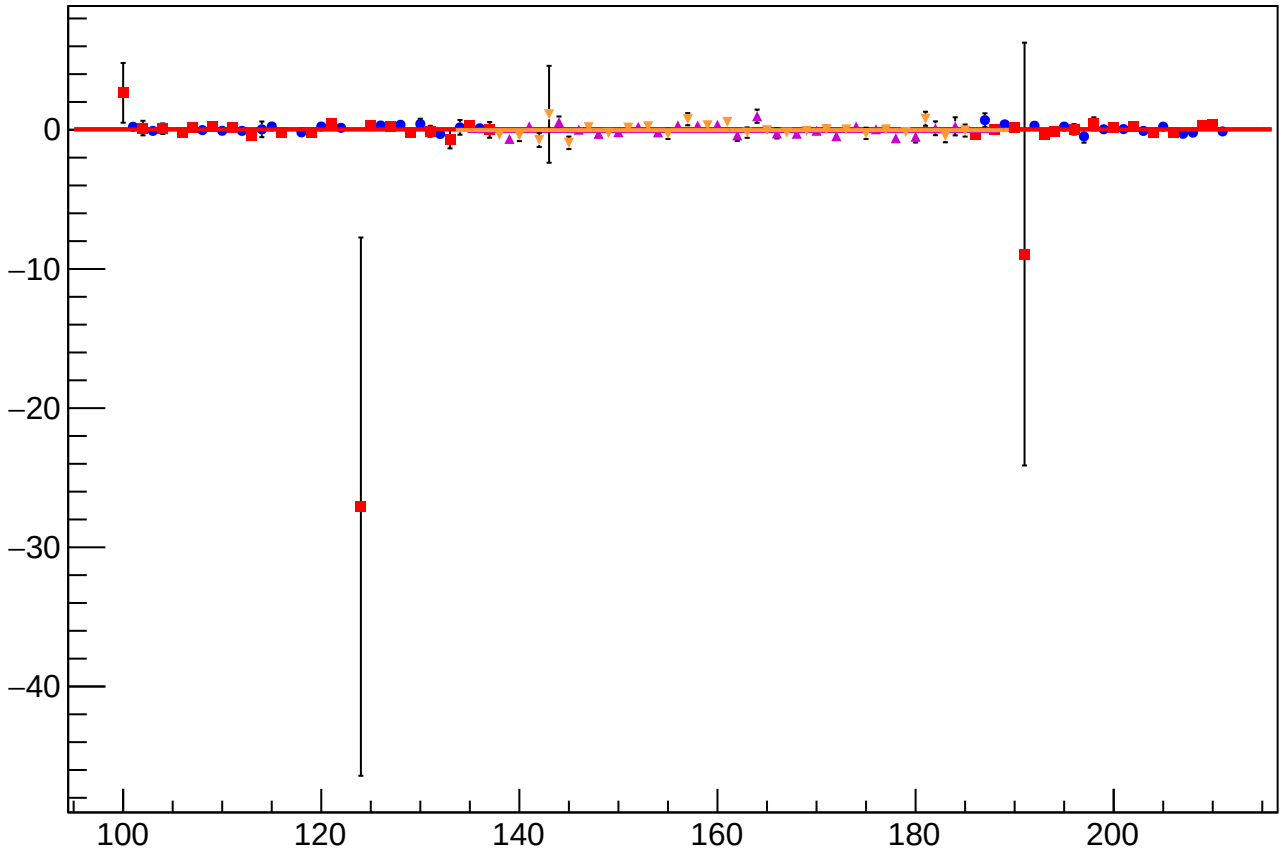
Right Out: 167.311+/-0.031 χ^2/NDF: 5314134.3/32

Left In: 255.302+/-0.045 χ^2/NDF:2111585.0/22

+ sign 211.859+/-0.027 χ^2/NDF: 8453782.5/52

All: 203.771+/-0.019 χ^2/NDF: 18648912.2/10

- sign 196.586+/-0.026 χ^2/NDF: 10028948.8/55



Right In: 0.035+/-0.049 χ^2/NDF: 20.4/27

Left Out: -0.024+/-0.062 χ^2/NDF:23.5/24

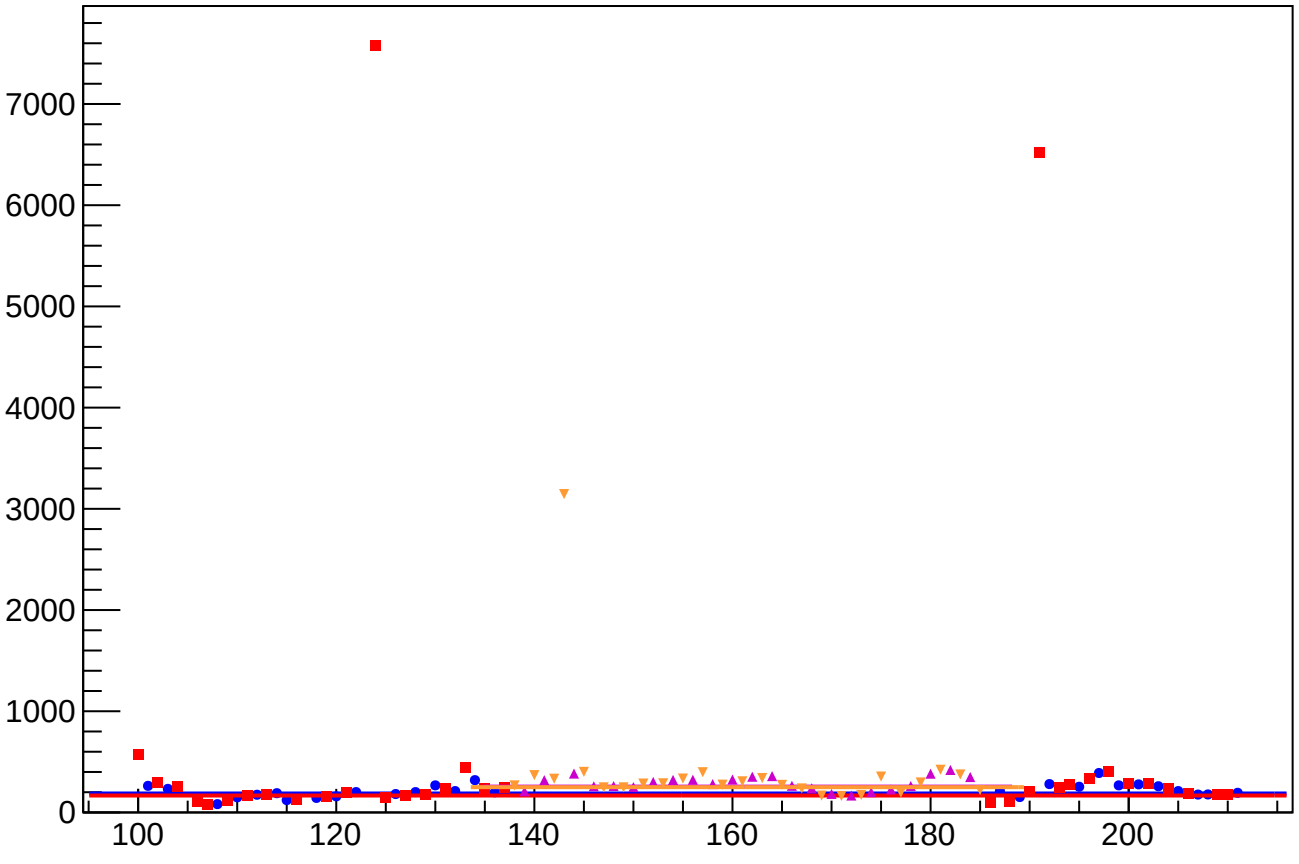
Right Out: 0.029+/-0.044 χ^2/NDF: 35.2/32

Left In: -0.095+/-0.063 χ^2/NDF:31.5/22

+ sign 0.012+/-0.039 χ^2/NDF: 44.5/52

All: -0.001+/-0.026 χ^2/NDF: 114.1/108

- sign -0.013+/-0.036 χ^2/NDF: 69.3/55



Right In: 187.412+/-0.035 χ^2/NDF: 2969730.0/27

Left Out: 249.850+/-0.044 χ^2/NDF:4234600.7/24

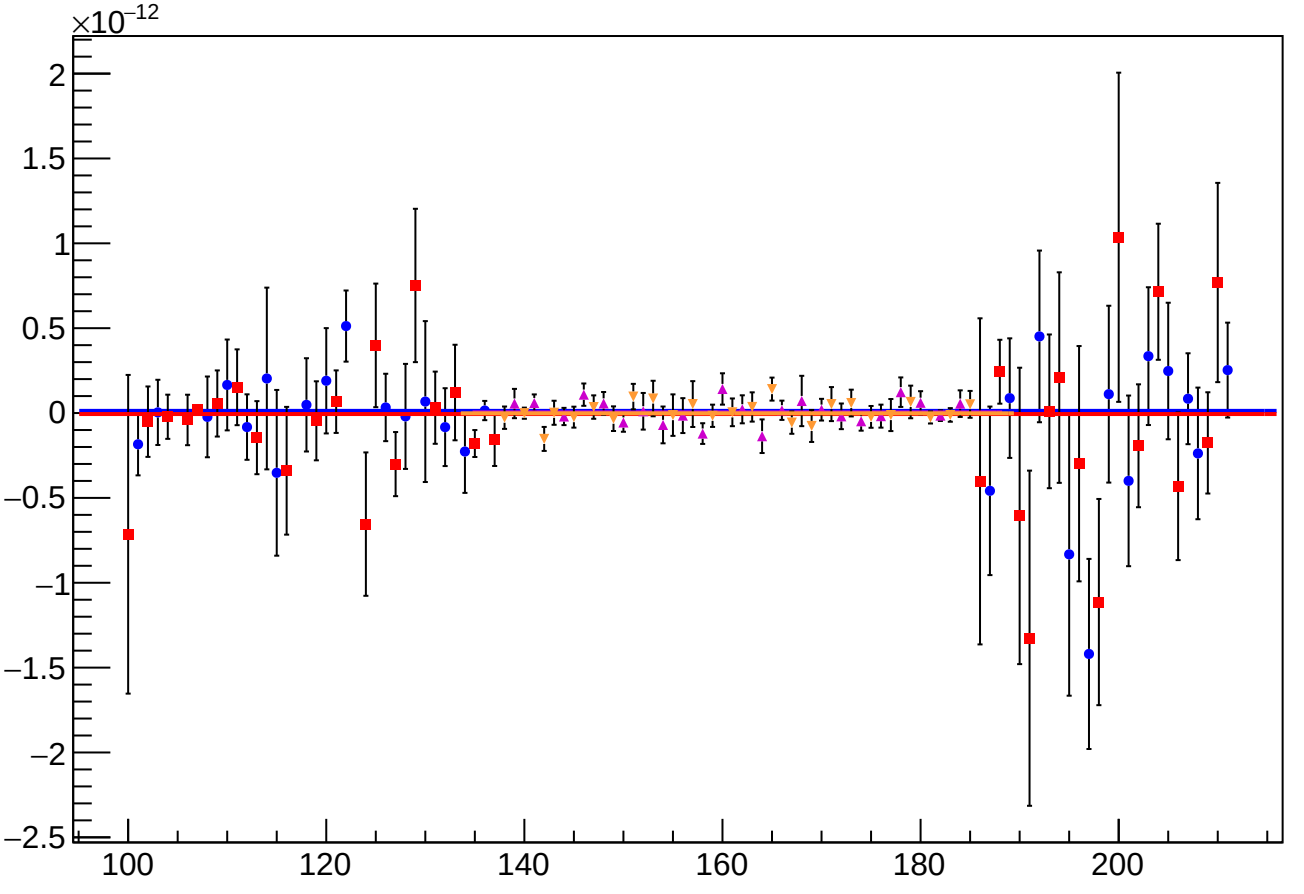
Right Out: 167.311+/-0.031 χ^2/NDF: 5314134.3/32

Left In: 255.302+/-0.045 χ^2/NDF:2111585.0/22

+ sign 211.859+/-0.027 χ^2/NDF: 8453782.5/52

All: 203.771+/-0.019 χ^2/NDF: 18648912.2/10

- sign 196.586+/-0.026 χ^2/NDF: 10028948.8/55



Right In: 0.000+/-0.000 χ^2/NDF: 21.8/27

Left Out: -0.000+/-0.000 χ^2/NDF:16.4/24

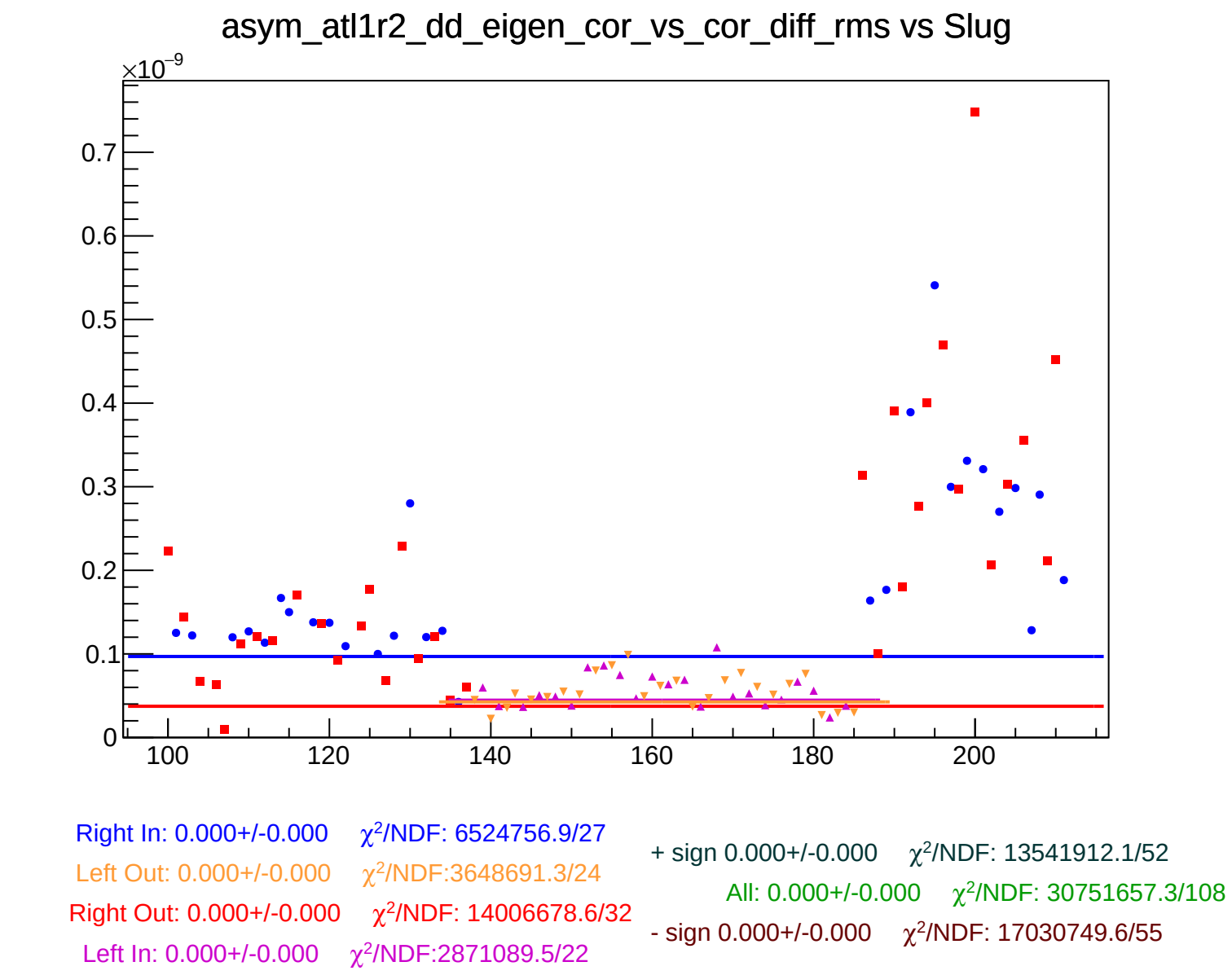
Right Out: -0.000+/-0.000 χ^2/NDF: 33.9/32

Left In: 0.000+/-0.000 χ^2/NDF:19.9/22

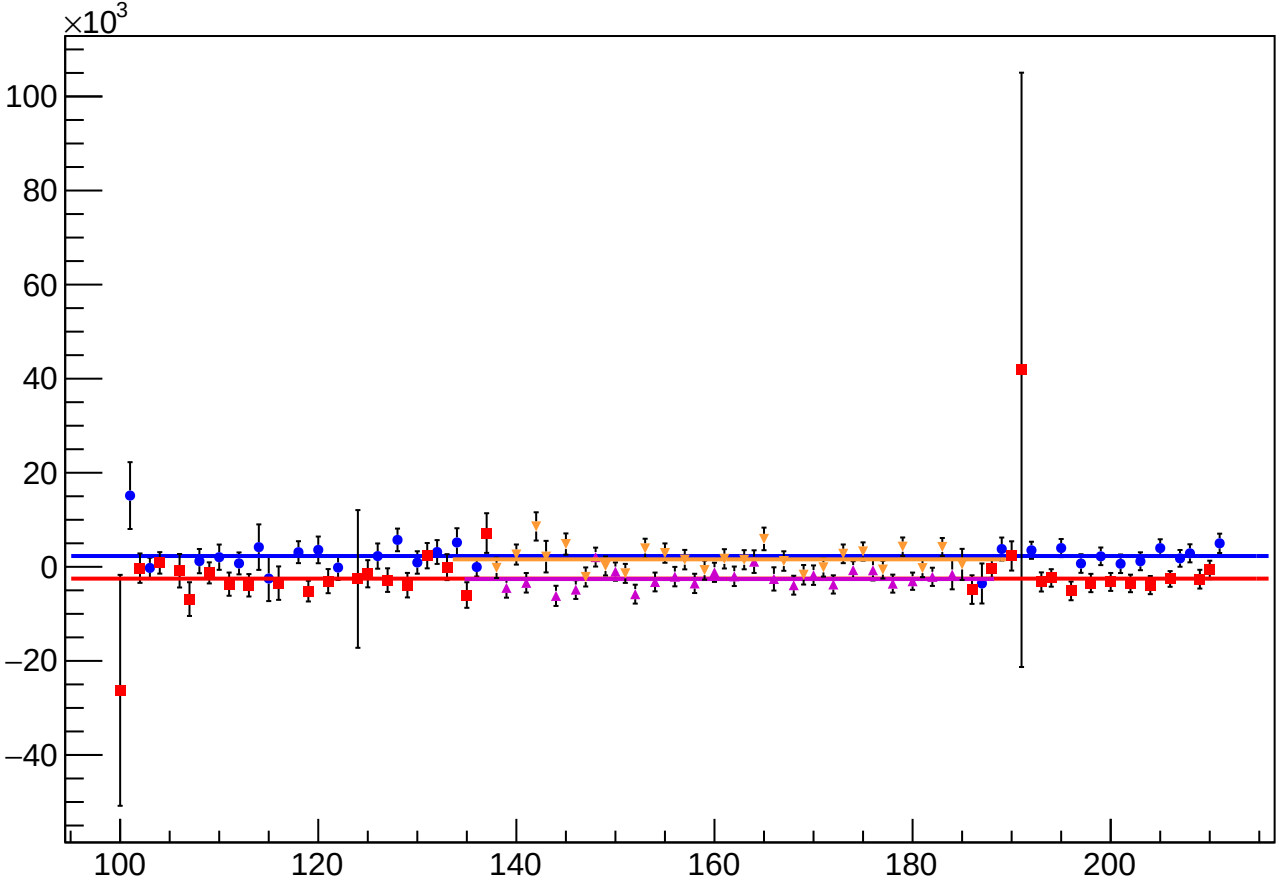
+ sign -0.000+/-0.000 χ^2/NDF: 38.3/52

All: 0.000+/-0.000 χ^2/NDF: 92.2/108

- sign 0.000+/-0.000 χ^2/NDF: 53.9/55


asym_atl1r2_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 6524756.9/27
Left Out: 0.000+/-0.000 χ²/NDF:3648691.3/24
Right Out: 0.000+/-0.000 χ²/NDF: 14006678.6/32
Left In: 0.000+/-0.000 χ²/NDF:2871089.5/22
+ sign 0.000+/-0.000 χ²/NDF: 13541912.1/52
All: 0.000+/-0.000 χ²/NDF: 30751657.3/108
- sign 0.000+/-0.000 χ²/NDF: 17030749.6/55

reg_asym_atr1l2_avg_mean vs Slug



Right In: 2295.973+/-437.622 χ^2/NDF: 20.2/27

Left Out: 1592.464+/-423.298 χ^2/NDF:31.3/24

Right Out: -2508.051+/-424.472 χ^2/NDF: 27.7/32

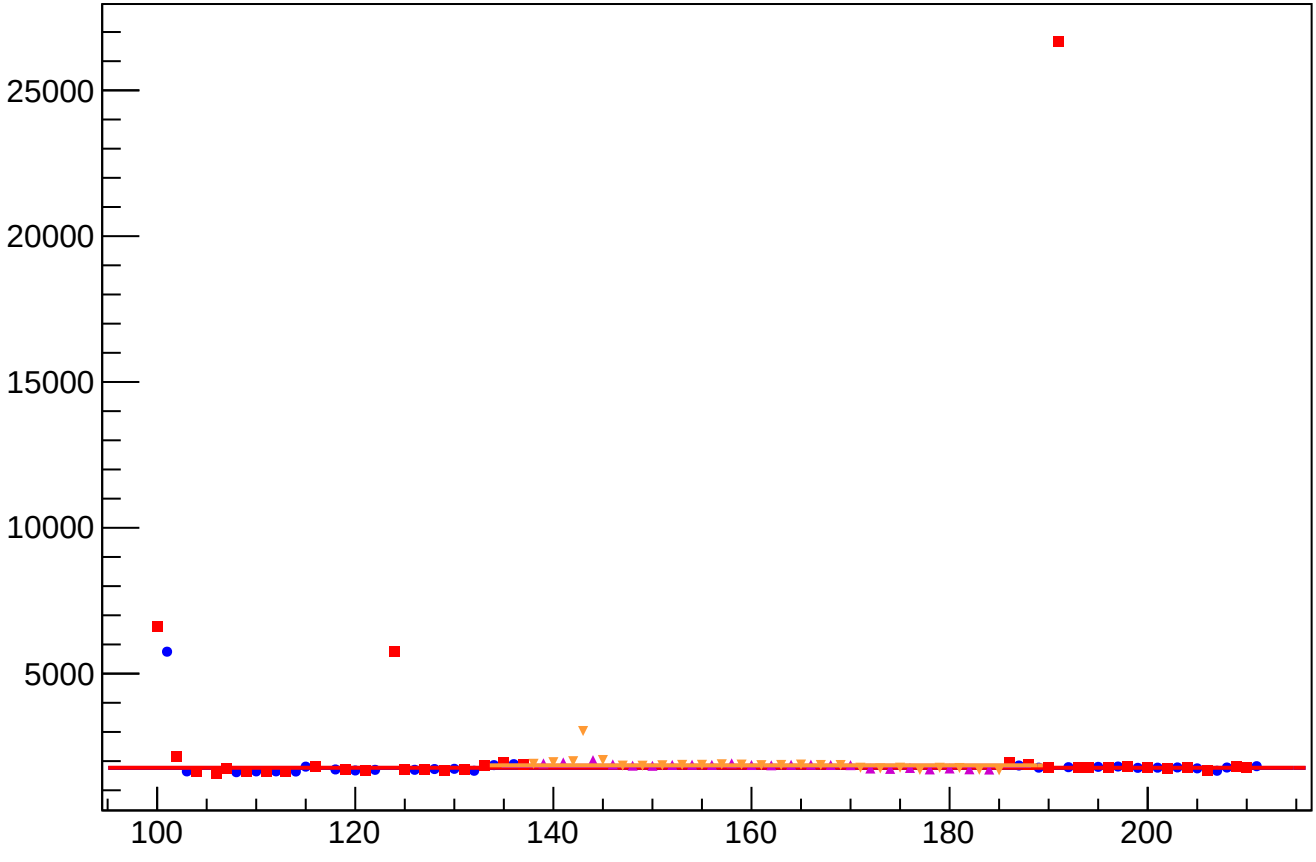
Left In: -2597.740+/-430.293 χ^2/NDF:20.1/22

+ sign 1932.517+/-304.255 χ^2/NDF: 52.8/52

All: -325.196+/-214.405 χ^2/NDF: 210.1/108

- sign -2552.285+/-302.184 χ^2/NDF: 47.8/55

reg_asym_atr1l2_avg_rms vs Slug



Right In: 1765.170+/-0.309 χ^2/NDF: 682741.5/27

Left Out: 1855.560+/-0.299 χ^2/NDF:324267.7/24

Right Out: 1772.135+/-0.299 χ^2/NDF: 647906.3/32

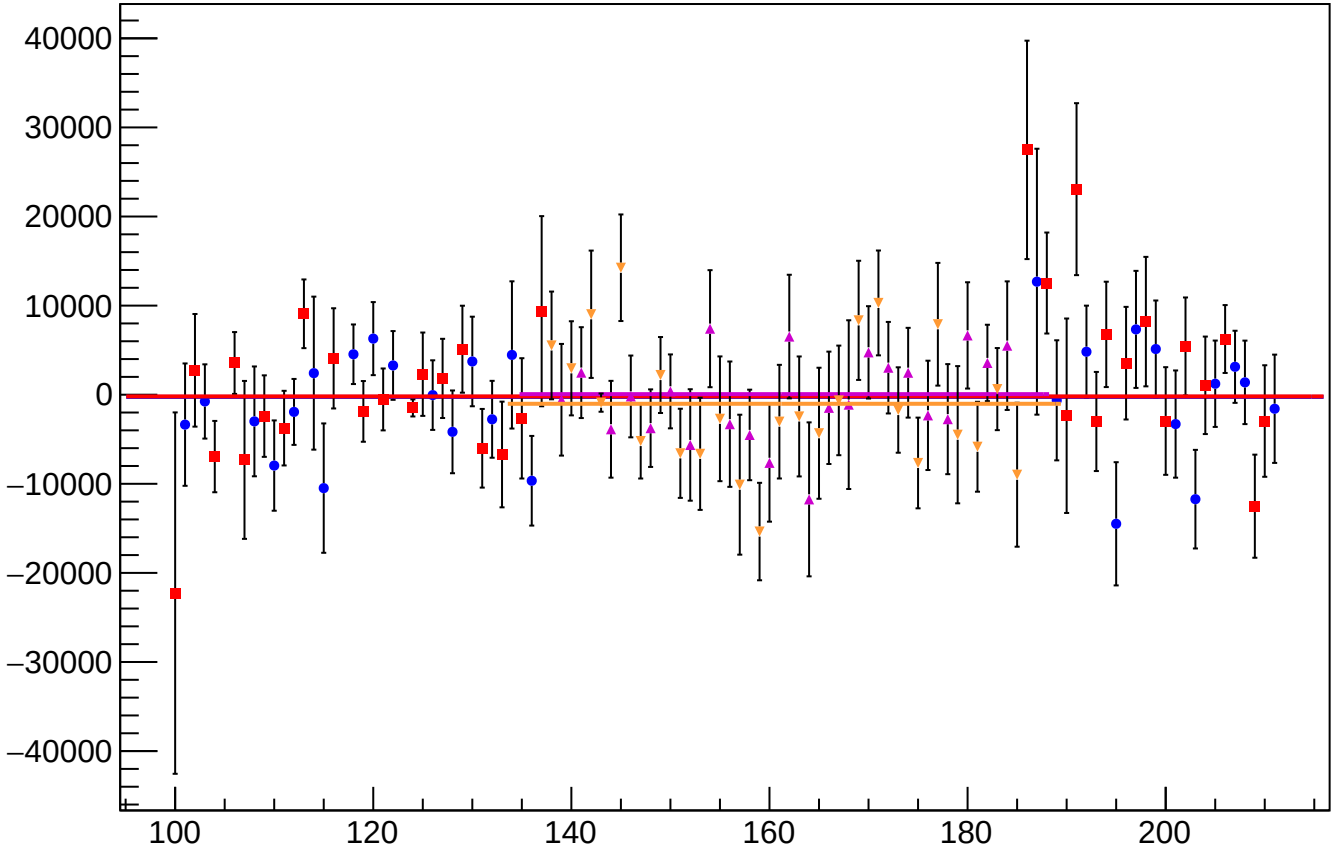
Left In: 1840.981+/-0.304 χ^2/NDF:70985.8/22

+ sign 1811.868+/-0.215 χ^2/NDF: 1051090.2/52

All: 1808.901+/-0.151 χ^2/NDF: 1796387.5/10

- sign 1805.982+/-0.213 χ^2/NDF: 744919.9/55

asym_atr1l2_avg_reg_correction_mean vs Slug



Right In: -244.011+/-952.081 χ^2/NDF: 29.7/27

Left Out: -1018.861+/-771.816 χ^2/NDF:33.7/24

Right Out: -192.048+/-662.468 χ^2/NDF: 49.2/32

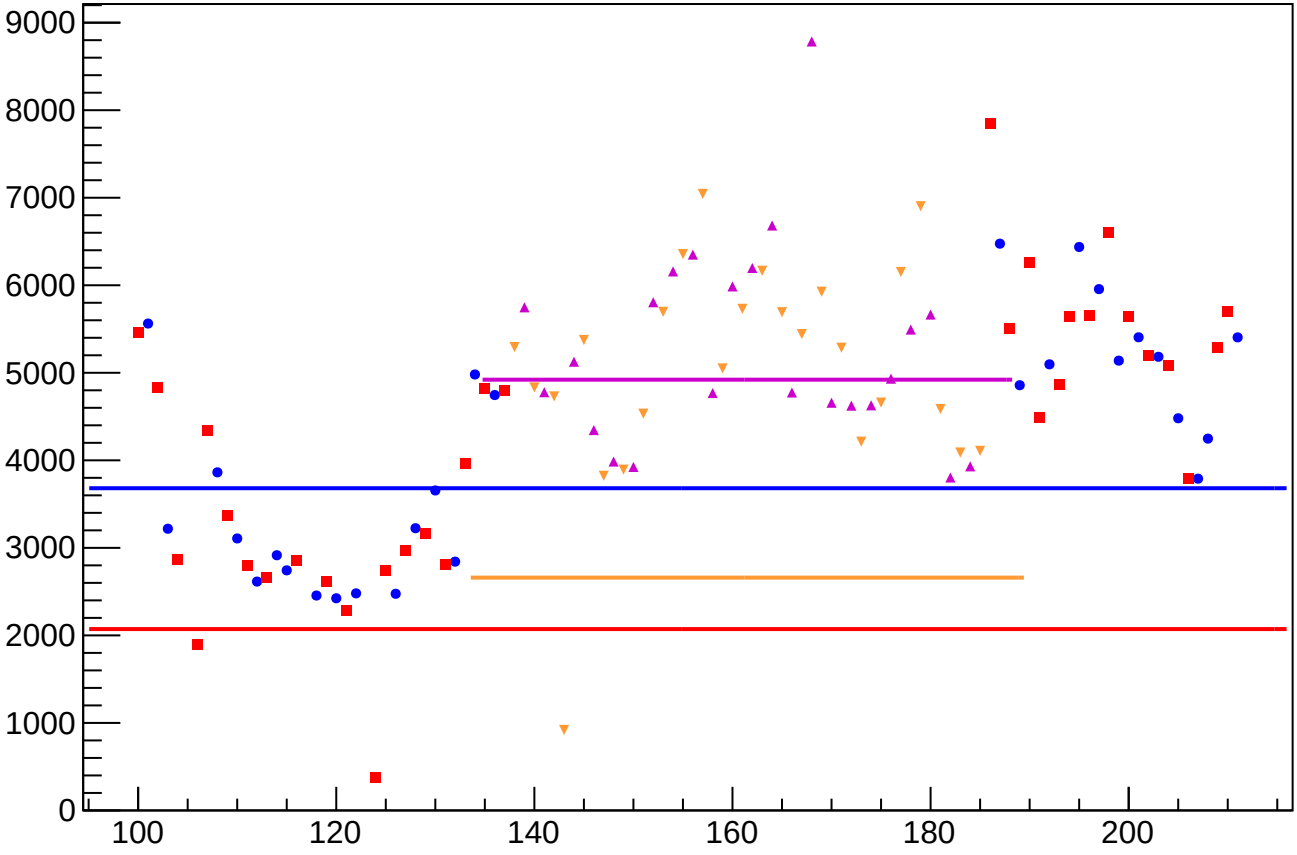
Left In: 62.369+/-1173.429 χ^2/NDF:13.0/22

+ sign -711.584+/-599.556 χ^2/NDF: 63.9/52

All: -409.877+/-415.702 χ^2/NDF: 126.6/108

- sign -130.558+/-576.883 χ^2/NDF: 62.3/55

asym_atr1l2_avg_reg_correction_rms vs Slug



Right In: 3681.272+/-0.673 χ^2/NDF: 3031623.9/27

Left Out: 2660.009+/-0.546 χ^2/NDF:14536074.6/24

Right Out: 2072.259+/-0.468 χ^2/NDF: 16175026.6/32

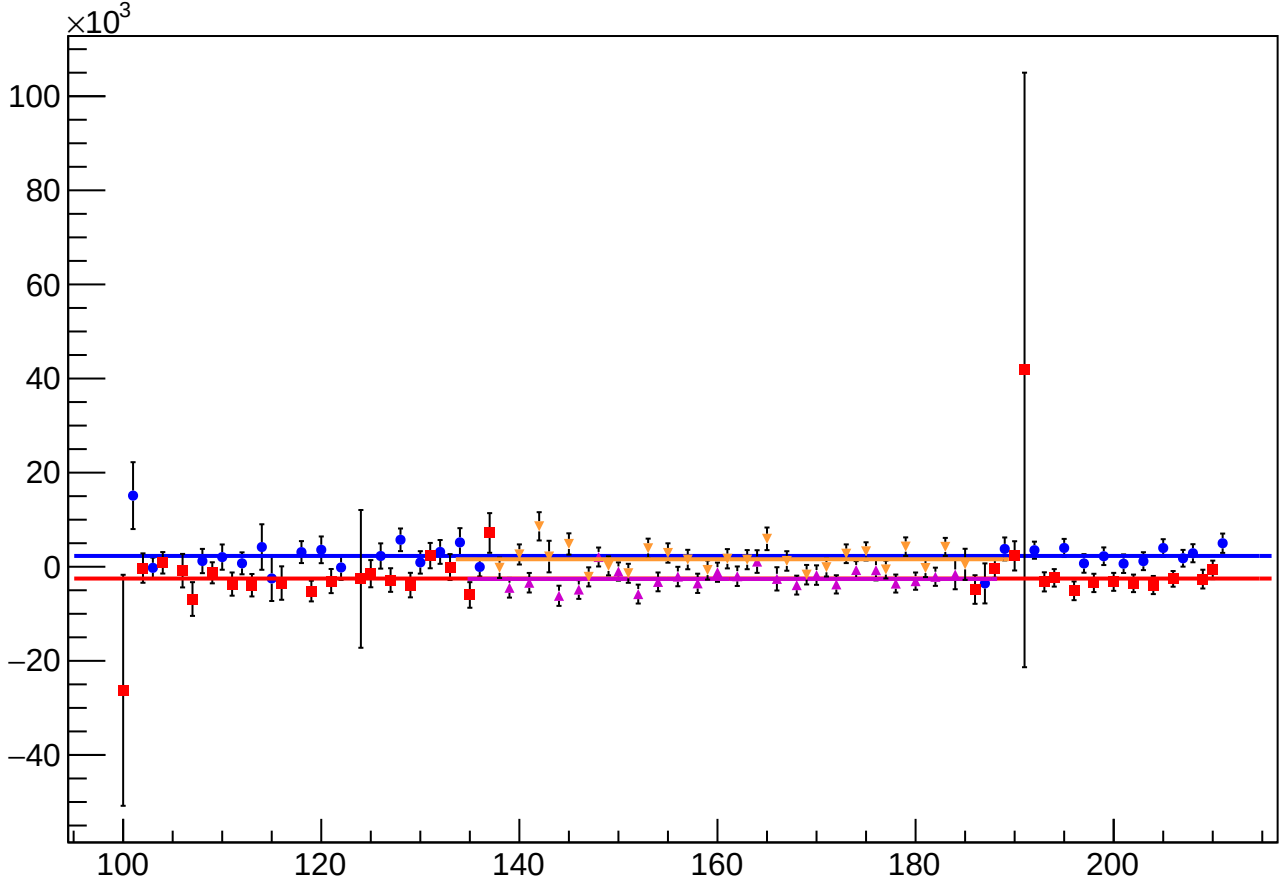
Left In: 4921.319+/-0.830 χ^2/NDF:1251123.1/22

+ sign 3065.004+/-0.424 χ^2/NDF: 18956337.2/52

All: 2907.069+/-0.294 χ^2/NDF: 45590314.2/1

- sign 2760.853+/-0.408 χ^2/NDF: 26366714.1/55

cor_asym_atr1l2_avg_mean vs Slug



Right In: 2295.776+/-437.622 χ^2/NDF: 20.2/27

Left Out: 1592.431+/-423.298 χ^2/NDF:31.3/24

Right Out: -2508.085+/-424.472 χ^2/NDF: 27.7/32

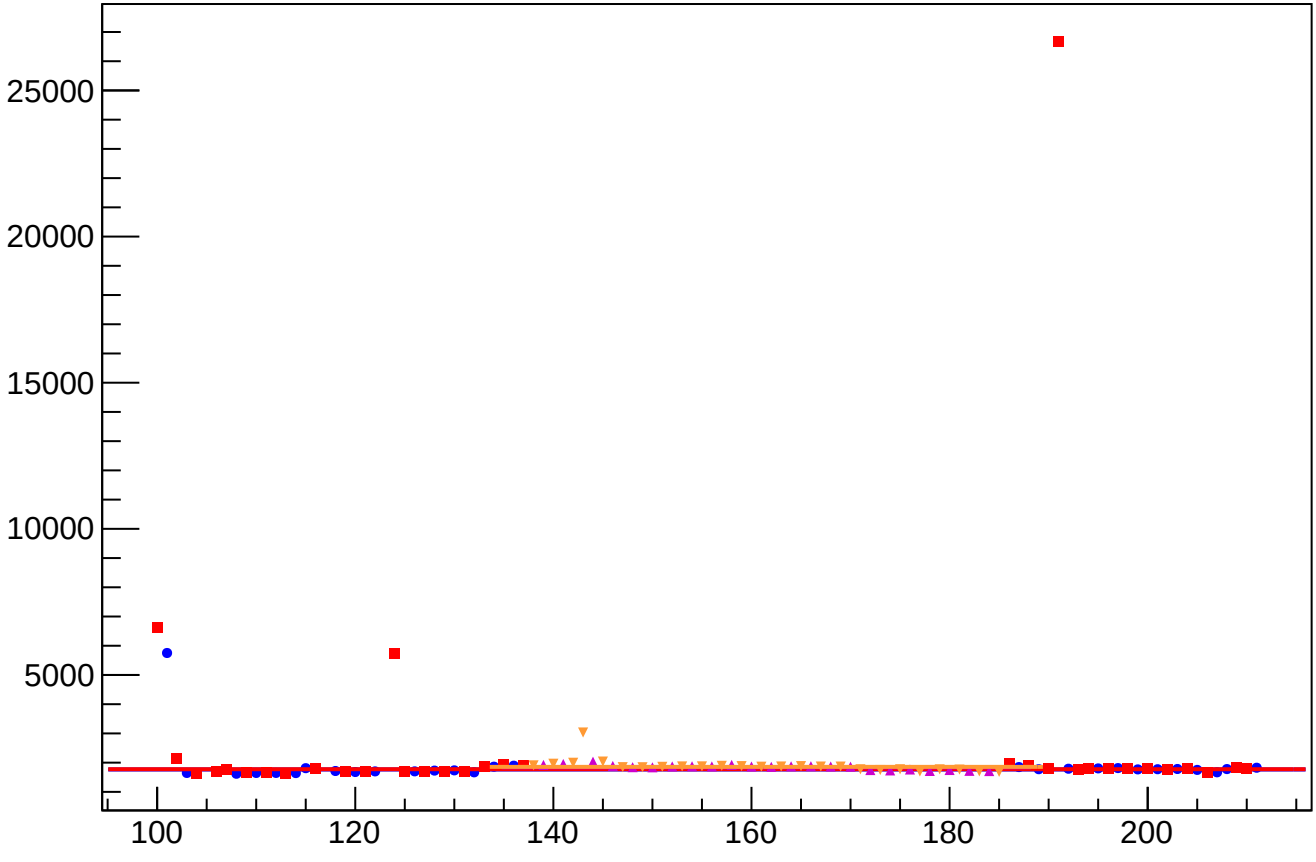
Left In: -2597.812+/-430.293 χ^2/NDF:20.1/22

+ sign 1932.405+/-304.255 χ^2/NDF: 52.8/52

All: -325.278+/-214.405 χ^2/NDF: 210.0/108

- sign -2552.337+/-302.184 χ^2/NDF: 47.8/55

cor_asym_atr1l2_avg_rms vs Slug



Right In: 1765.170+/-0.309 χ^2/NDF: 682741.7/27

Left Out: 1855.560+/-0.299 χ^2/NDF:324267.7/24

Right Out: 1775.059+/-0.300 χ^2/NDF: 639294.3/32

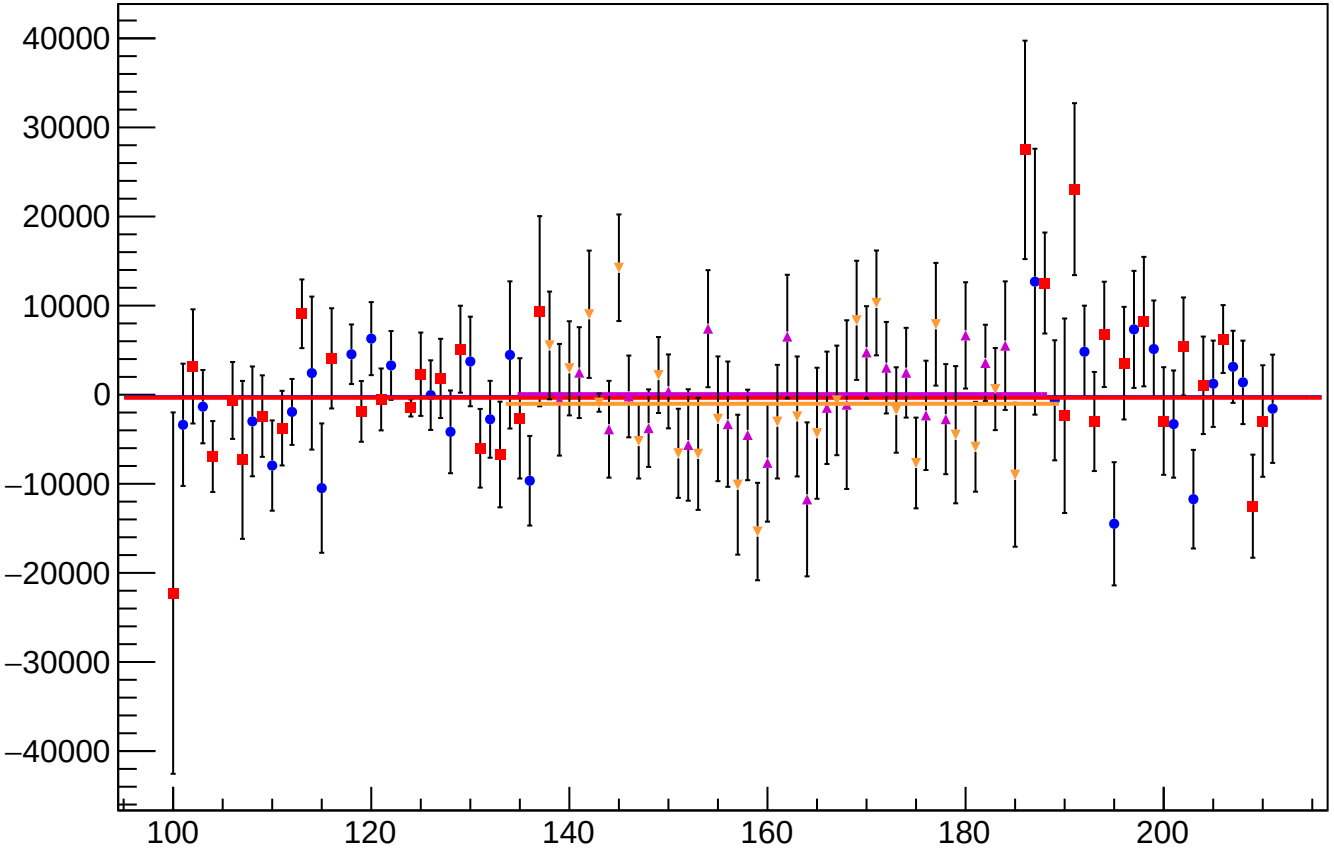
Left In: 1840.981+/-0.304 χ^2/NDF:70985.8/22

+ sign 1811.868+/-0.215 χ^2/NDF: 1051090.6/52

All: 1809.677+/-0.152 χ^2/NDF: 1785404.2/10

- sign 1807.519+/-0.214 χ^2/NDF: 734107.7/55

asym_atr1l2_avg_cor_correction_mean vs Slug



Right In: -276.304+/-951.436 χ^2/NDF: 29.8/27

Left Out: -1018.712+/-771.798 χ^2/NDF:33.7/24

Right Out: -339.623+/-666.811 χ^2/NDF: 48.1/32

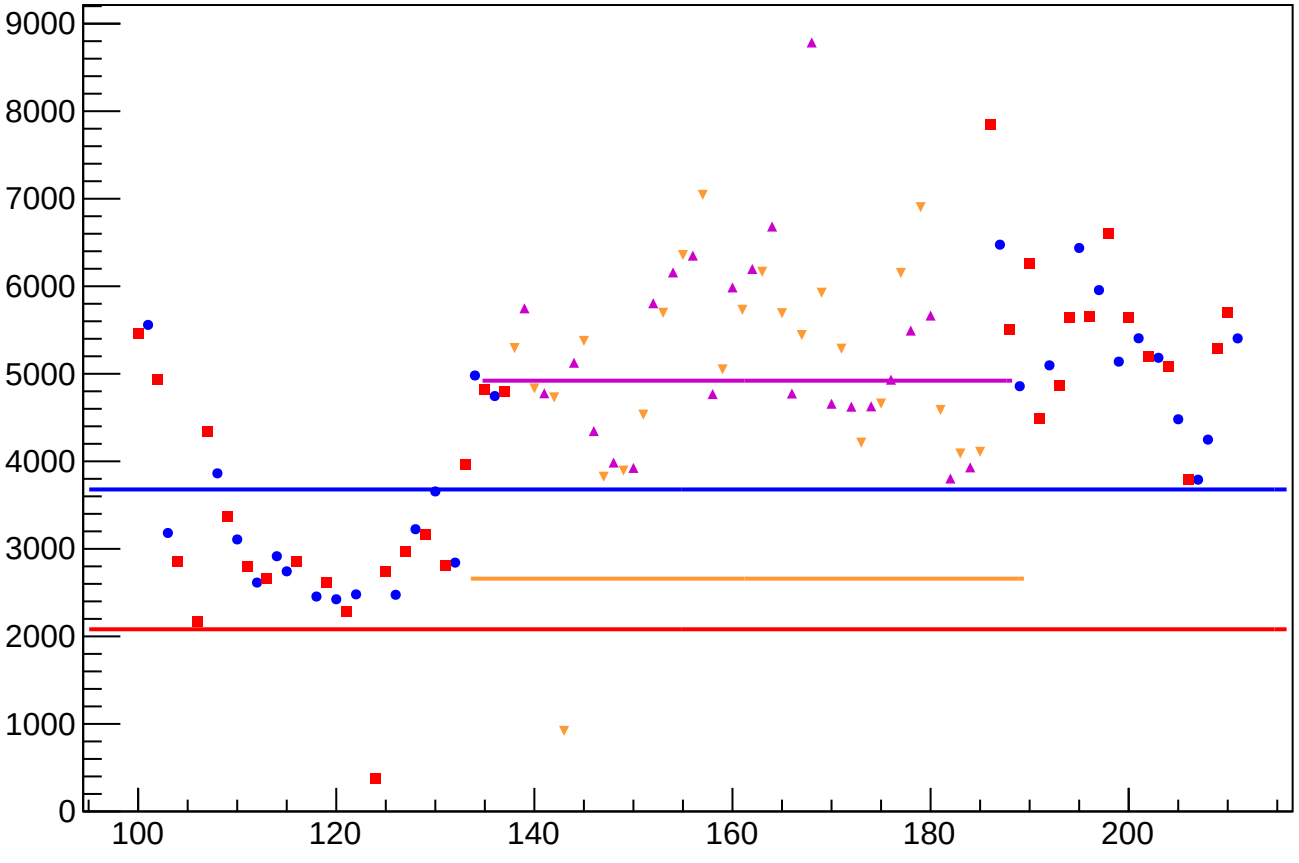
Left In: 62.286+/-1173.429 χ^2/NDF:13.0/22

+ sign -724.068+/-599.387 χ^2/NDF: 63.9/52

All: -474.757+/-416.712 χ^2/NDF: 125.5/108

- sign -241.519+/-579.744 χ^2/NDF: 61.2/55

asym_atr1l2_avg_cor_correction_rms vs Slug



Right In: 3678.670+/-0.673 χ^2/NDF: 3035993.3/27

Left Out: 2659.907+/-0.546 χ^2/NDF:14536813.3/24

Right Out: 2081.294+/-0.472 χ^2/NDF: 16185825.7/32

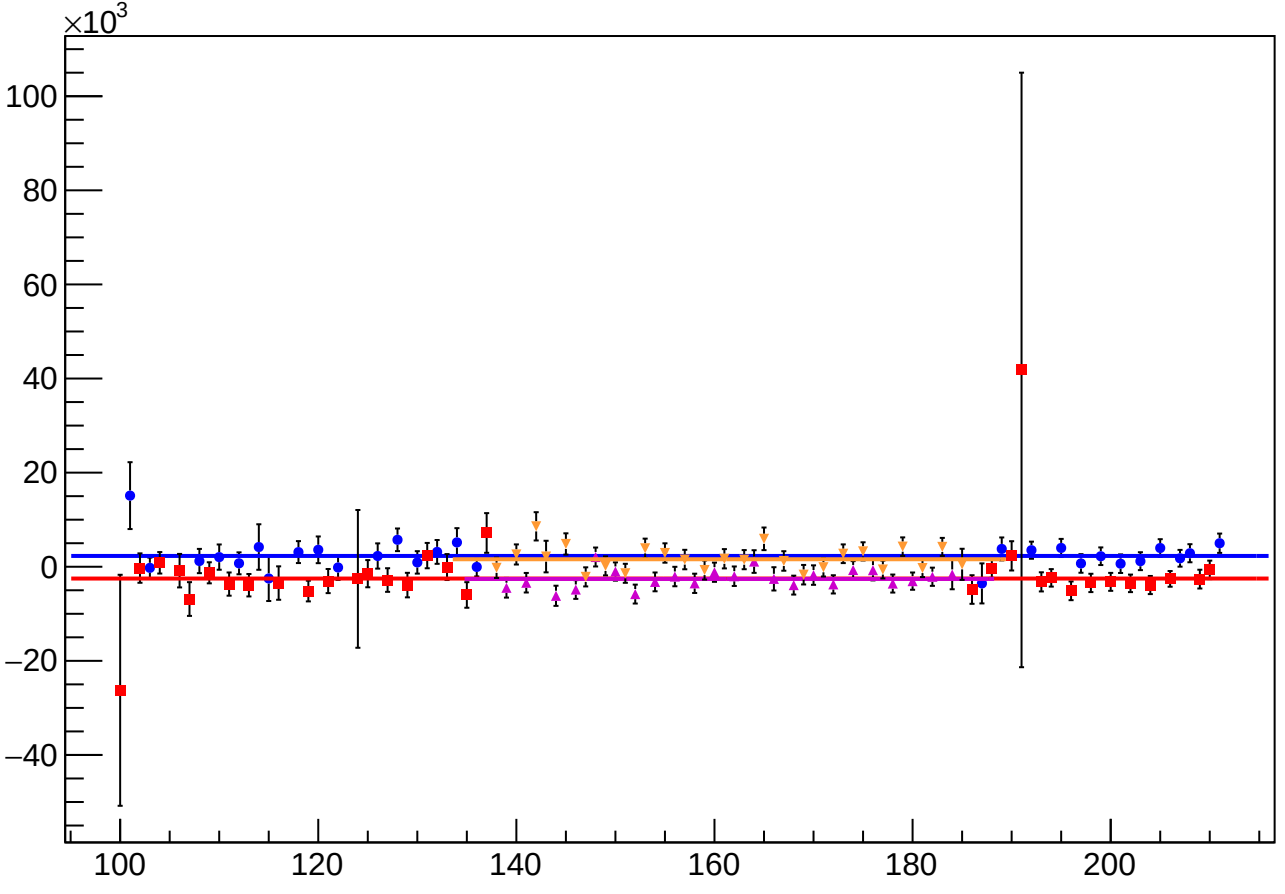
Left In: 4921.316+/-0.830 χ^2/NDF:1251131.6/22

+ sign 3064.230+/-0.424 χ^2/NDF: 18955812.8/52

All: 2914.555+/-0.295 χ^2/NDF: 45489938.0/1

- sign 2774.530+/-0.410 χ^2/NDF: 26292738.2/55

eigen_cor_asym_atr1l2_avg_mean vs Slug



Right In: 2295.776+/-437.622 χ^2/NDF: 20.2/27

Left Out: 1592.431+/-423.298 χ^2/NDF:31.3/24

Right Out: -2508.085+/-424.472 χ^2/NDF: 27.7/32

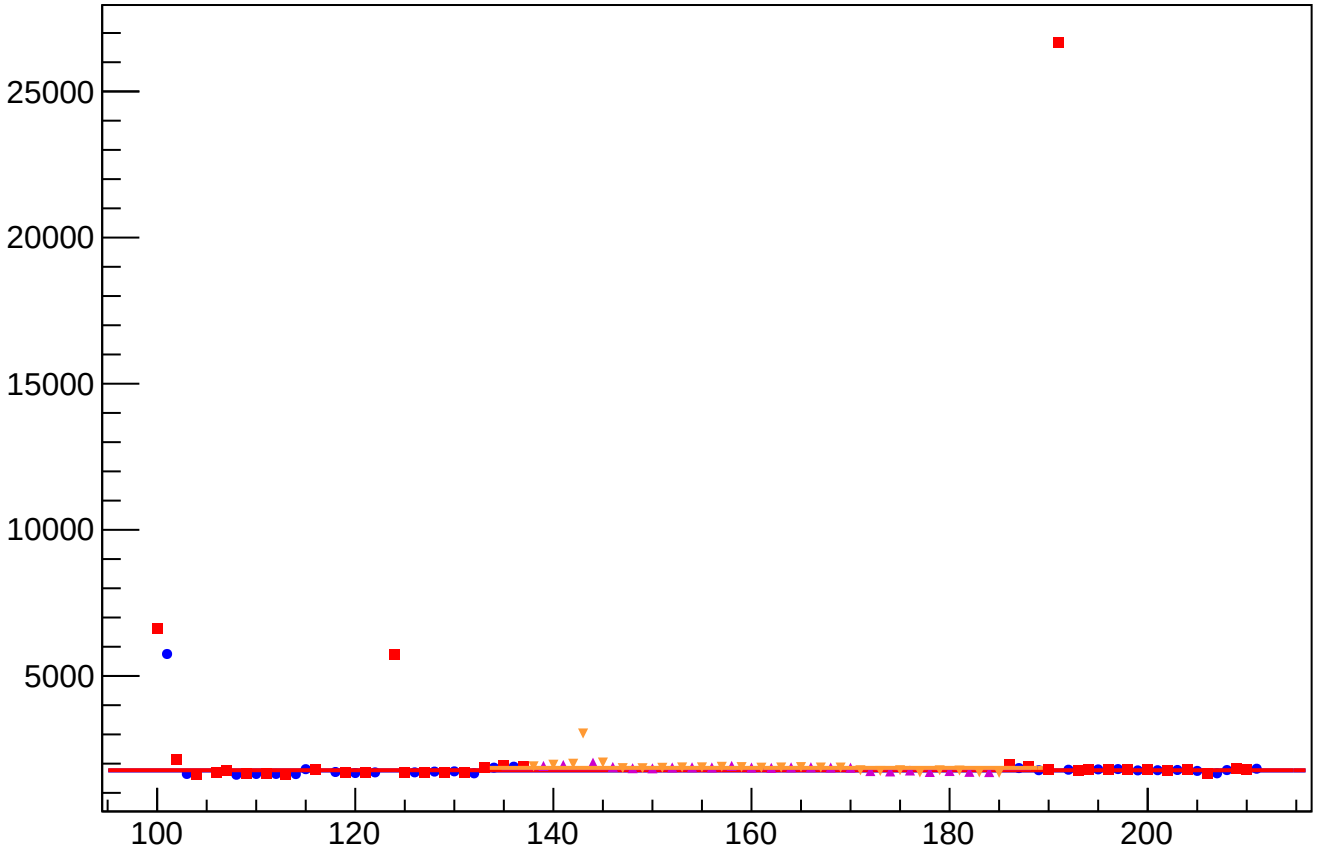
Left In: -2597.812+/-430.293 χ^2/NDF:20.1/22

+ sign 1932.405+/-304.255 χ^2/NDF: 52.8/52

All: -325.278+/-214.405 χ^2/NDF: 210.0/108

- sign -2552.337+/-302.184 χ^2/NDF: 47.8/55

eigen_cor_asym_atr1l2_avg_rms vs Slug



Right In: 1765.170+/-0.309 χ^2/NDF: 682741.7/27

Left Out: 1855.560+/-0.299 χ^2/NDF:324267.7/24

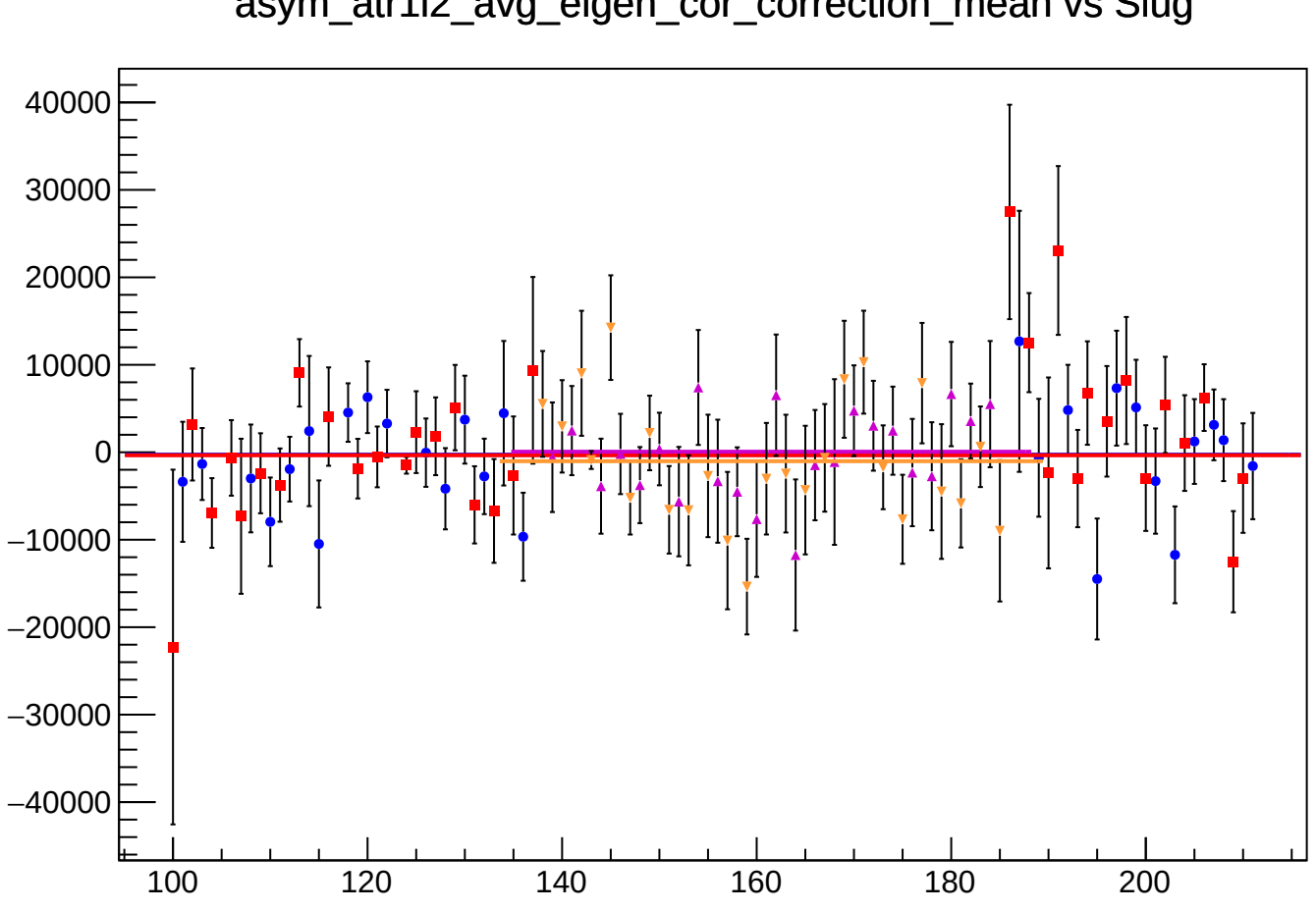
Right Out: 1775.059+/-0.300 χ^2/NDF: 639294.3/32

Left In: 1840.981+/-0.304 χ^2/NDF:70985.8/22

+ sign 1811.868+/-0.215 χ^2/NDF: 1051090.6/52

All: 1809.677+/-0.152 χ^2/NDF: 1785404.2/10

- sign 1807.519+/-0.214 χ^2/NDF: 734107.7/55



Right In: -276.304+/-951.436 χ^2/NDF: 29.8/27

Left Out: -1018.712+/-771.798 χ^2/NDF:33.7/24

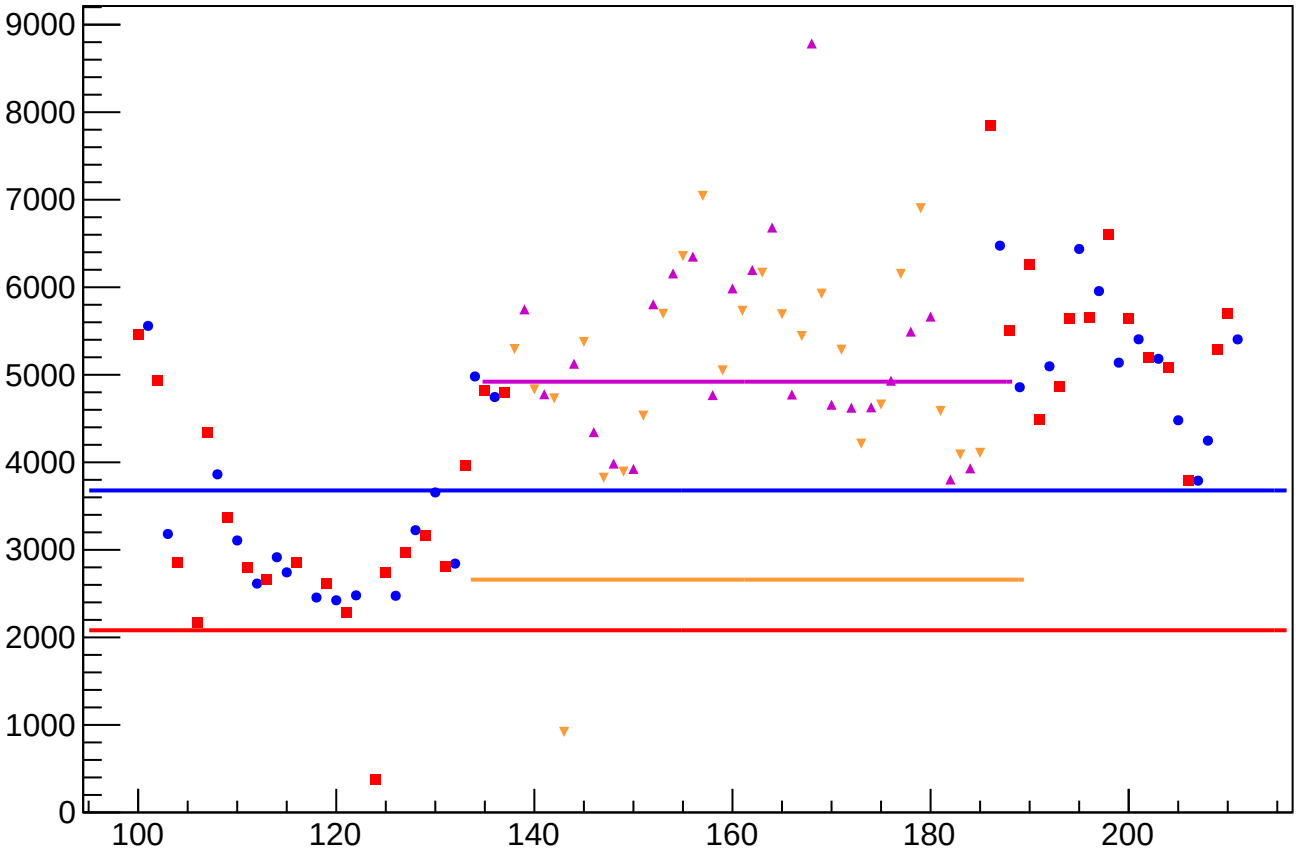
Right Out: -339.623+/-666.811 χ^2/NDF: 48.1/32

Left In: 62.286+/-1173.429 χ^2/NDF:13.0/22

+ sign -724.068+/-599.387 χ^2/NDF: 63.9/52

All: -474.757+/-416.712 χ^2/NDF: 125.5/108

- sign -241.519+/-579.744 χ^2/NDF: 61.2/55



Right In: 3678.670+/-0.673 χ^2/NDF: 3035993.3/27

Left Out: 2659.907+/-0.546 χ^2/NDF:14536813.3/24

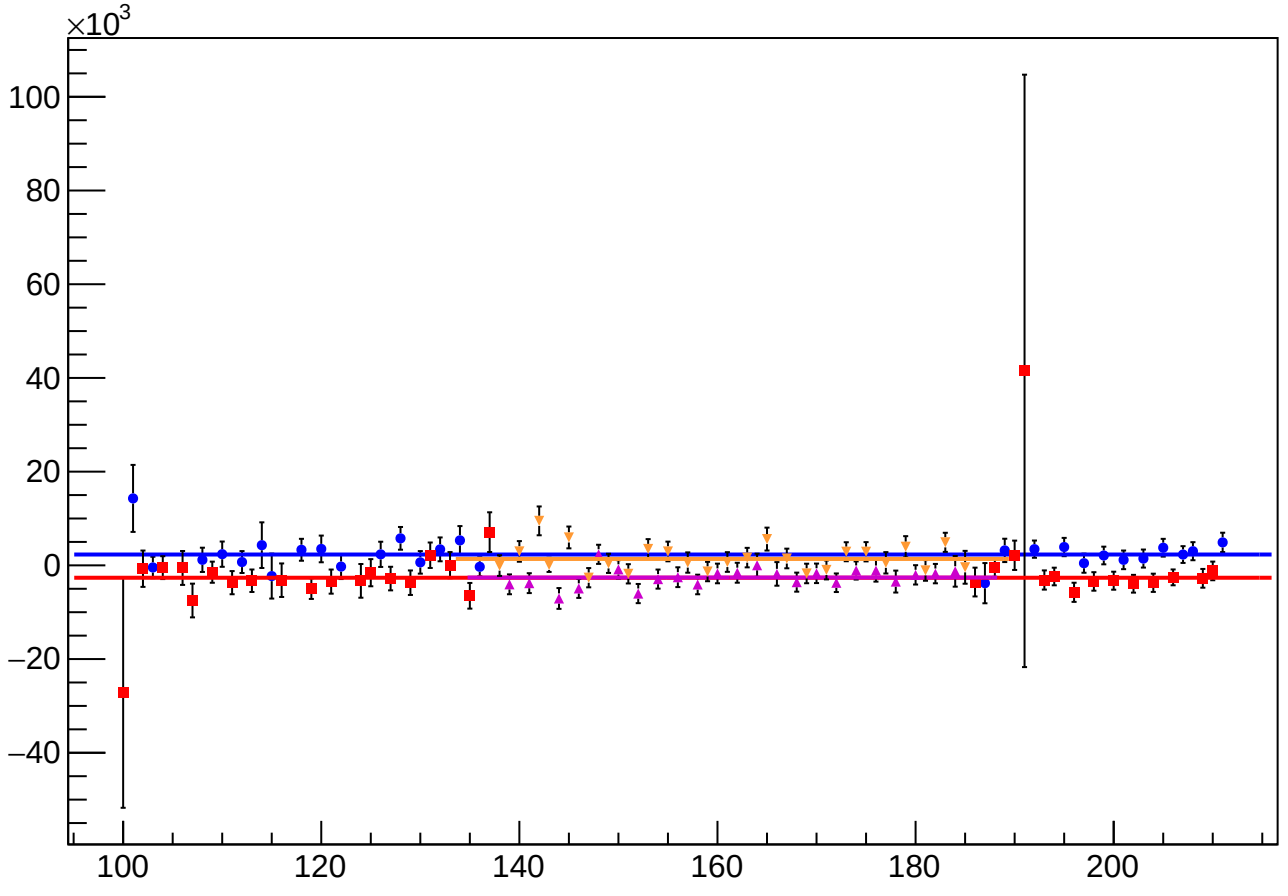
Right Out: 2081.294+/-0.472 χ^2/NDF: 16185825.7/32

Left In: 4921.316+/-0.830 χ^2/NDF:1251131.6/22

+ sign 3064.230+/-0.424 χ^2/NDF: 18955812.8/52

All: 2914.555+/-0.295 χ^2/NDF: 45489938.0/1

- sign 2774.530+/-0.410 χ^2/NDF: 26292738.2/55



Right In: 2312.733+/-442.276 χ^2/NDF: 19.5/27

Left Out: 1363.887+/-427.332 χ^2/NDF:36.1/24

Right Out: -2645.345+/-427.695 χ^2/NDF: 25.7/32

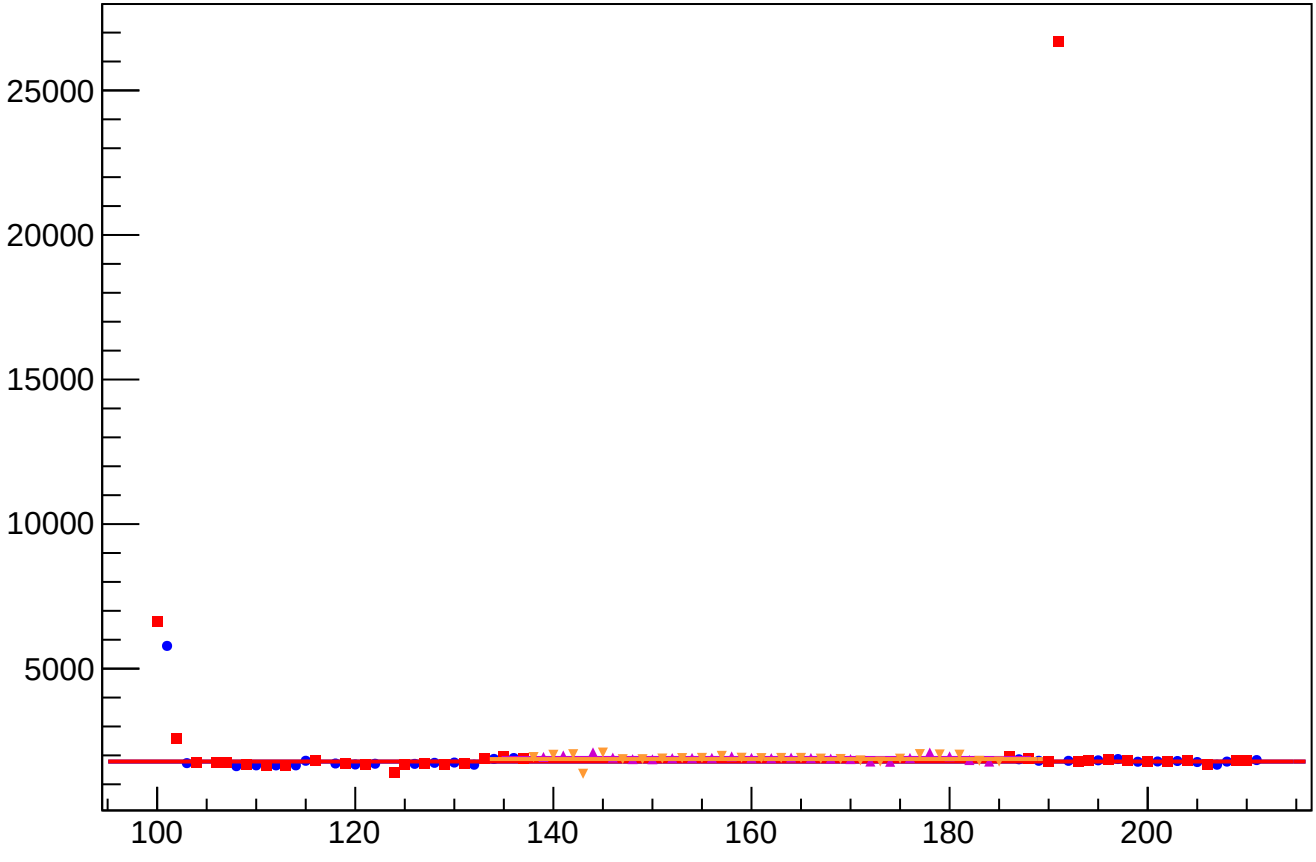
Left In: -2602.835+/-446.741 χ^2/NDF:20.0/22

+ sign 1822.009+/-307.317 χ^2/NDF: 58.0/52

All: -389.791+/-217.877 χ^2/NDF: 207.9/108

- sign -2625.016+/-308.940 χ^2/NDF: 45.7/55

dit_asym_atr1l2_avg_rms vs Slug



Right In: 1783.722+/-0.313 χ^2/NDF: 683630.6/27

Left Out: 1873.177+/-0.302 χ^2/NDF:309733.7/24

Right Out: 1788.919+/-0.302 χ^2/NDF: 562605.0/32

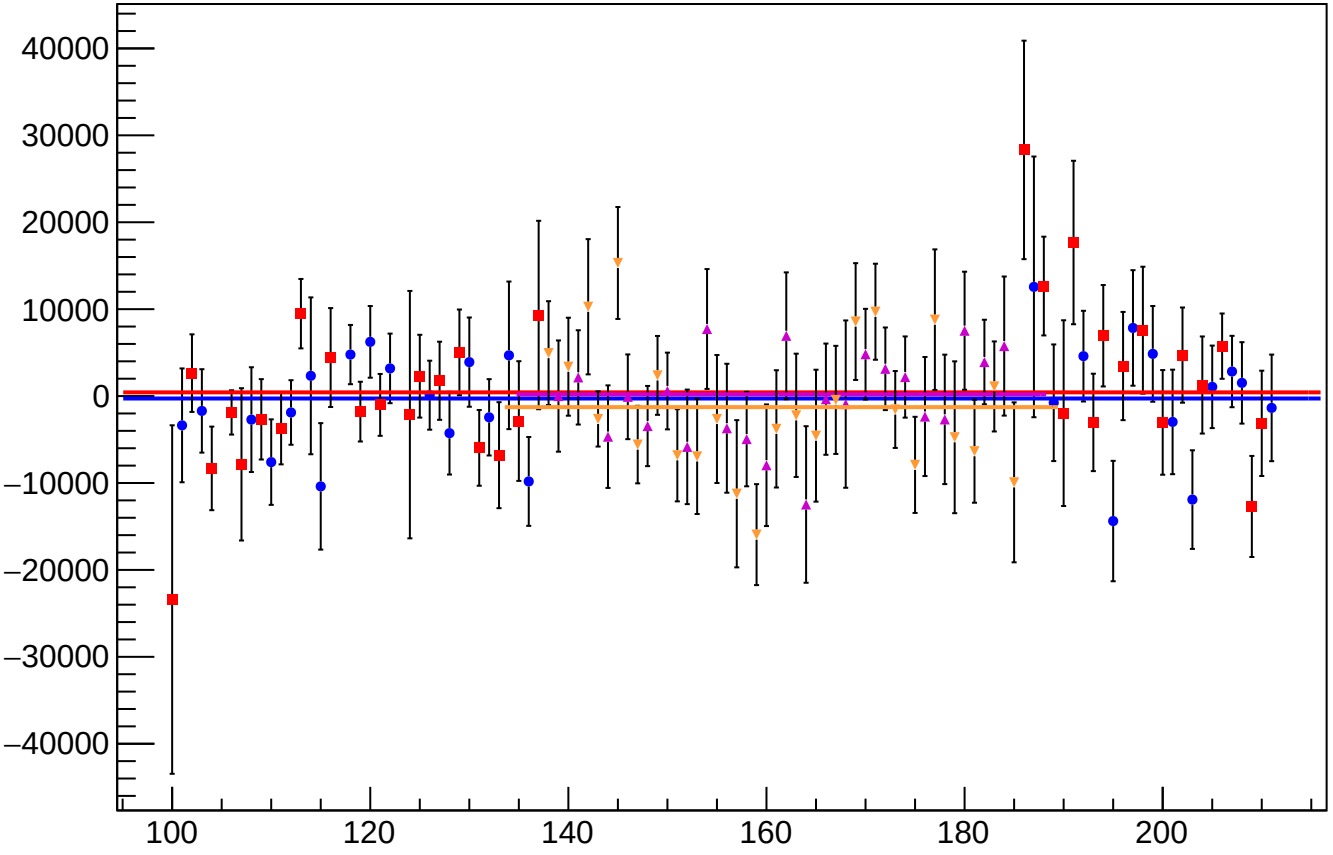
Left In: 1911.423+/-0.316 χ^2/NDF:59139.8/22

+ sign 1829.986+/-0.217 χ^2/NDF: 1035680.0/52

All: 1838.670+/-0.154 χ^2/NDF: 1739187.2/10

- sign 1847.436+/-0.218 χ^2/NDF: 700298.5/55

asym_atr1l2_avg_dit_correction_mean vs Slug



Right In: -278.752+/-966.441 χ^2/NDF: 29.1/27

Left Out: -1269.760+/-1156.132 χ^2/NDF:33.4/24

Right Out: 428.011+/-891.535 χ^2/NDF: 44.2/32

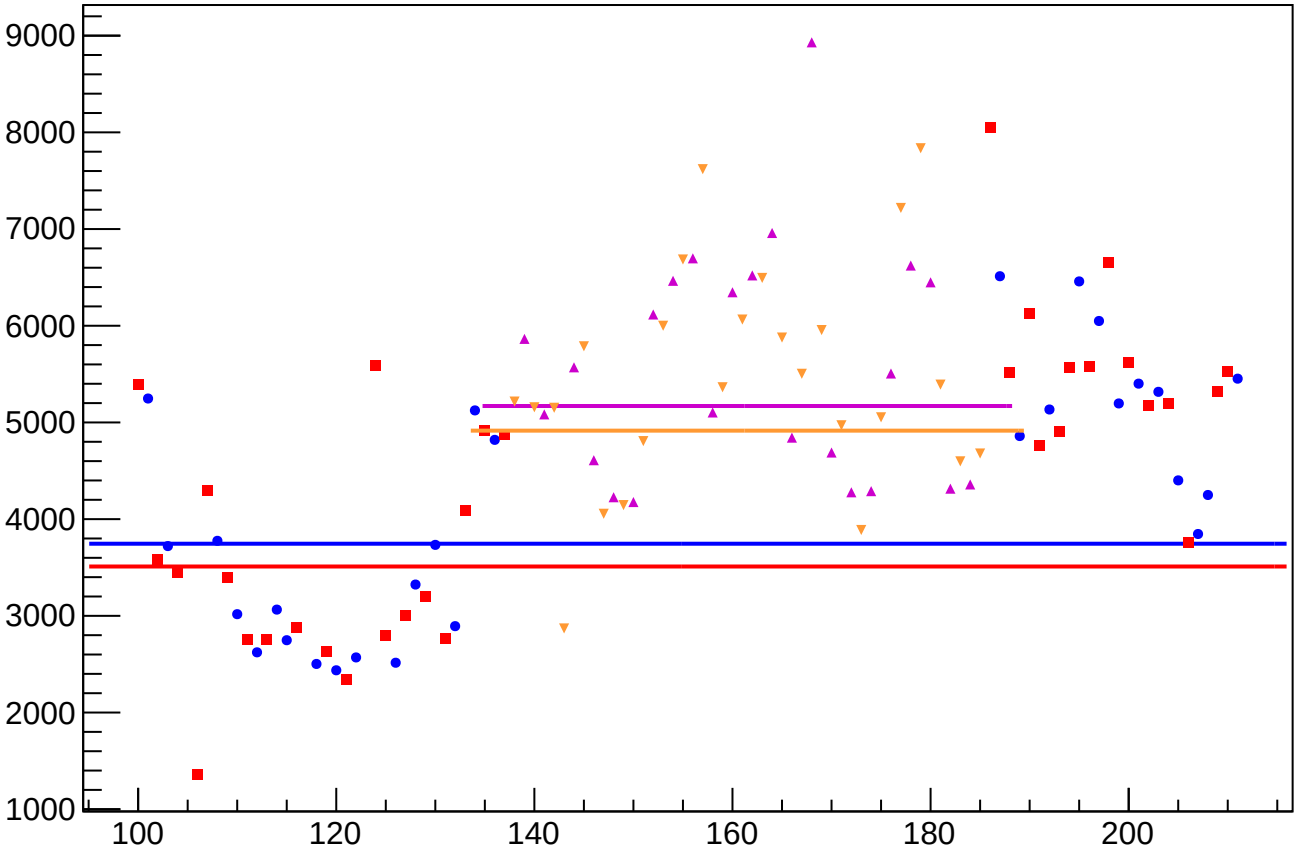
Left In: 196.917+/-1234.538 χ^2/NDF:12.7/22

+ sign -686.393+/-741.494 χ^2/NDF: 63.0/52

All: -155.561+/-517.569 χ^2/NDF: 120.9/108

- sign 348.801+/-722.770 χ^2/NDF: 56.9/55

asym_atr1l2_avg_dit_correction_rms vs Slug



Right In: 3745.835+/-0.683 χ^2/NDF: 2918783.3/27

Left Out: 4915.244+/-0.818 χ^2/NDF:2166229.1/24

Right Out: 3510.256+/-0.630 χ^2/NDF: 4947636.3/32

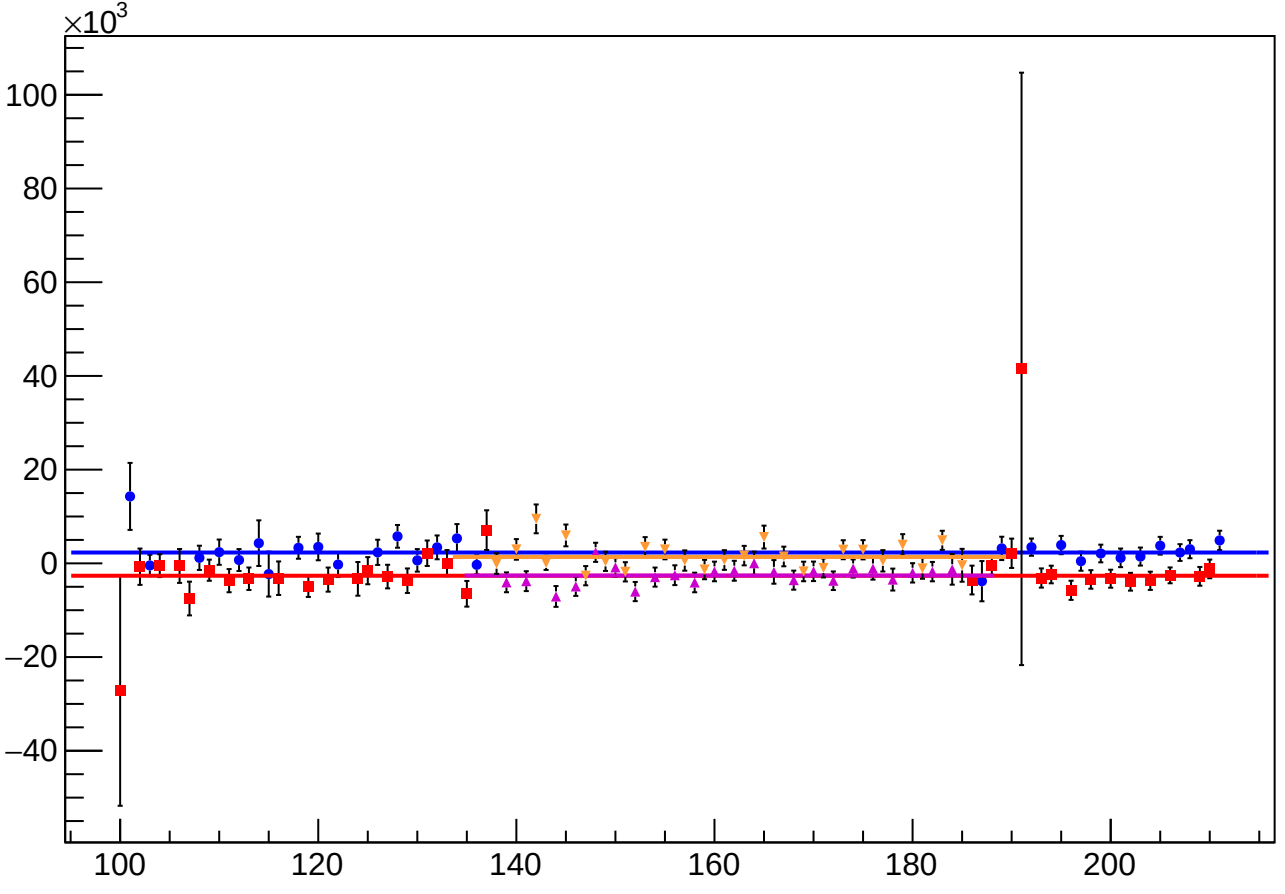
Left In: 5170.028+/-0.873 χ^2/NDF:1348711.3/22

+ sign 4226.859+/-0.524 χ^2/NDF: 6289529.6/52

All: 4151.122+/-0.366 χ^2/NDF: 15002538.6/1

- sign 4079.161+/-0.511 χ^2/NDF: 8672317.8/55

eigen_dit_asym_atr1l2_avg_mean vs Slug



Right In: 2312.734+/-442.276 χ^2/NDF: 19.5/27

Left Out: 1363.884+/-427.333 χ^2/NDF:36.1/24

Right Out: -2645.341+/-427.695 χ^2/NDF: 25.7/32

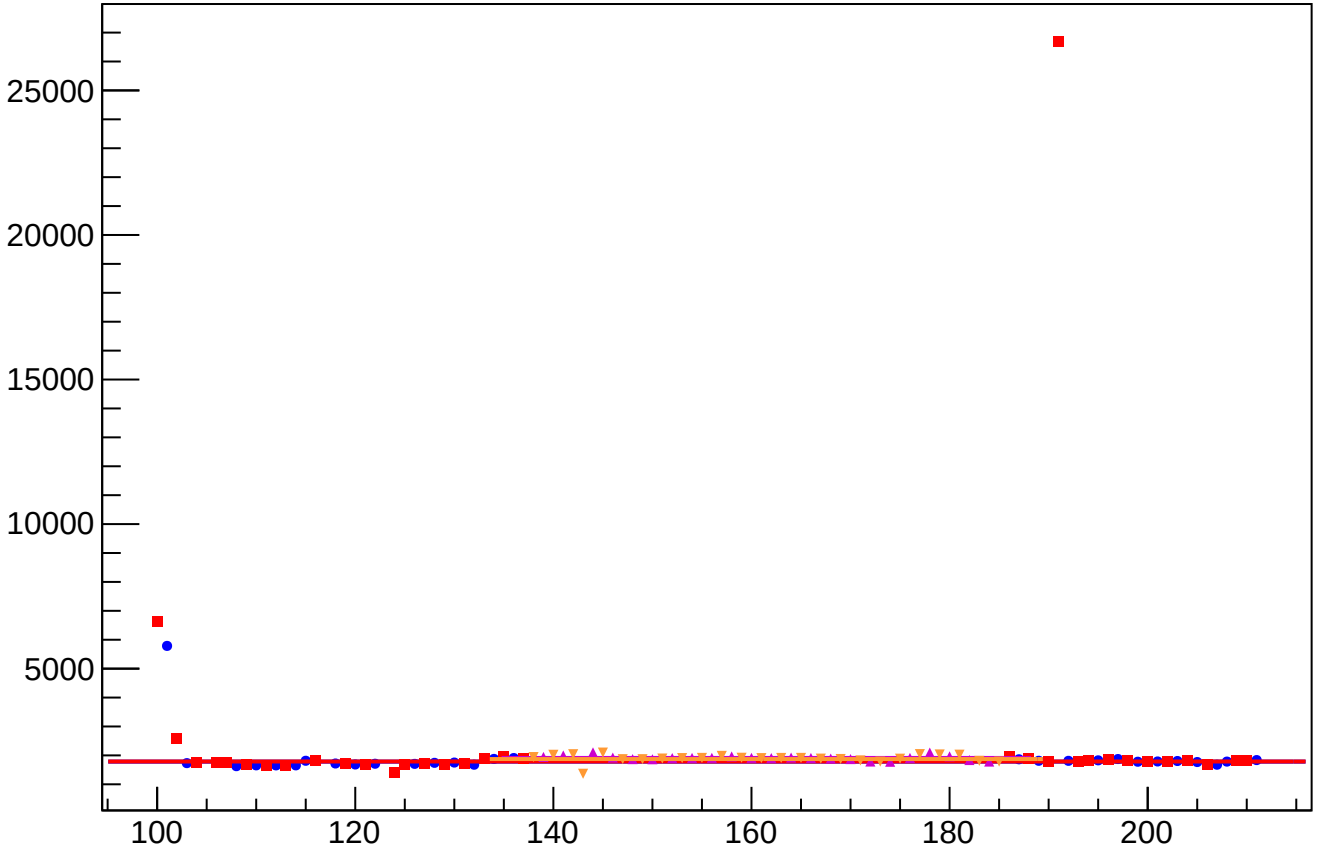
Left In: -2602.834+/-446.742 χ^2/NDF:20.0/22

+ sign 1822.009+/-307.317 χ^2/NDF: 58.0/52

All: -389.791+/-217.877 χ^2/NDF: 207.9/108

- sign -2625.013+/-308.940 χ^2/NDF: 45.7/55

eigen_dit_asym_atr1l2_avg_rms vs Slug



Right In: 1783.722+/-0.313 χ^2/NDF: 683630.7/27

Left Out: 1873.178+/-0.302 χ^2/NDF:309737.2/24

Right Out: 1788.919+/-0.302 χ^2/NDF: 562605.1/32

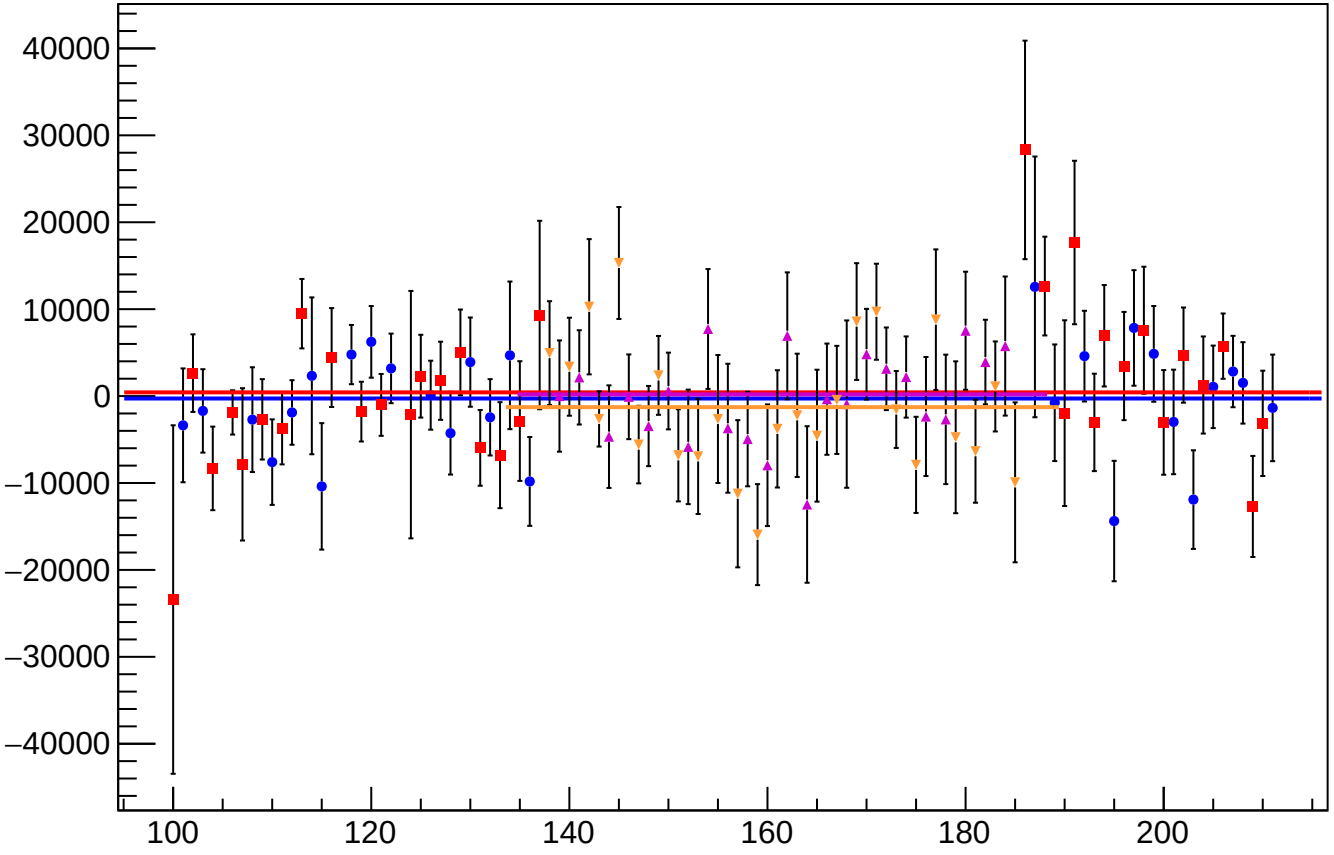
Left In: 1911.425+/-0.316 χ^2/NDF:59142.0/22

+ sign 1829.987+/-0.217 χ^2/NDF: 1035684.4/52

All: 1838.671+/-0.154 χ^2/NDF: 1739195.4/10

- sign 1847.436+/-0.218 χ^2/NDF: 700302.3/55

asym_atr1l2_avg_eigen_dit_correction_mean vs Slug



Right In: -278.748+/-966.439 χ^2/NDF: 29.1/27

Left Out: -1269.765+/-1156.133 χ^2/NDF:33.4/24

Right Out: 428.003+/-891.533 χ^2/NDF: 44.2/32

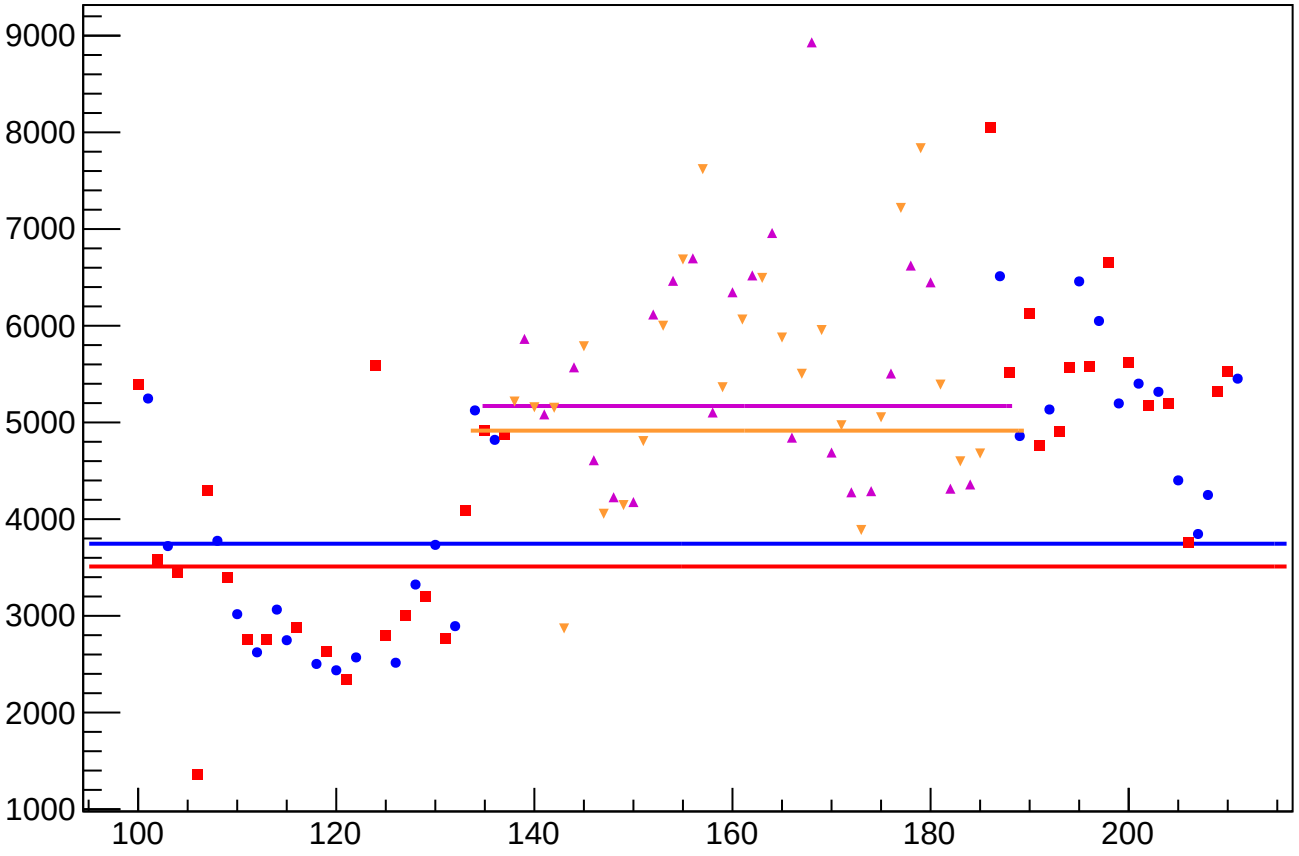
Left In: 196.918+/-1234.540 χ^2/NDF:12.7/22

+ sign -686.391+/-741.494 χ^2/NDF: 63.0/52

All: -155.562+/-517.568 χ^2/NDF: 120.9/108

- sign 348.797+/-722.770 χ^2/NDF: 56.9/55

asym_atr1l2_avg_eigen_dit_correction_rms vs Slug



Right In: 3745.828+/-0.683 χ^2/NDF: 2918831.1/27

Left Out: 4915.251+/-0.818 χ^2/NDF:2166236.2/24

Right Out: 3510.245+/-0.630 χ^2/NDF: 4947707.9/32

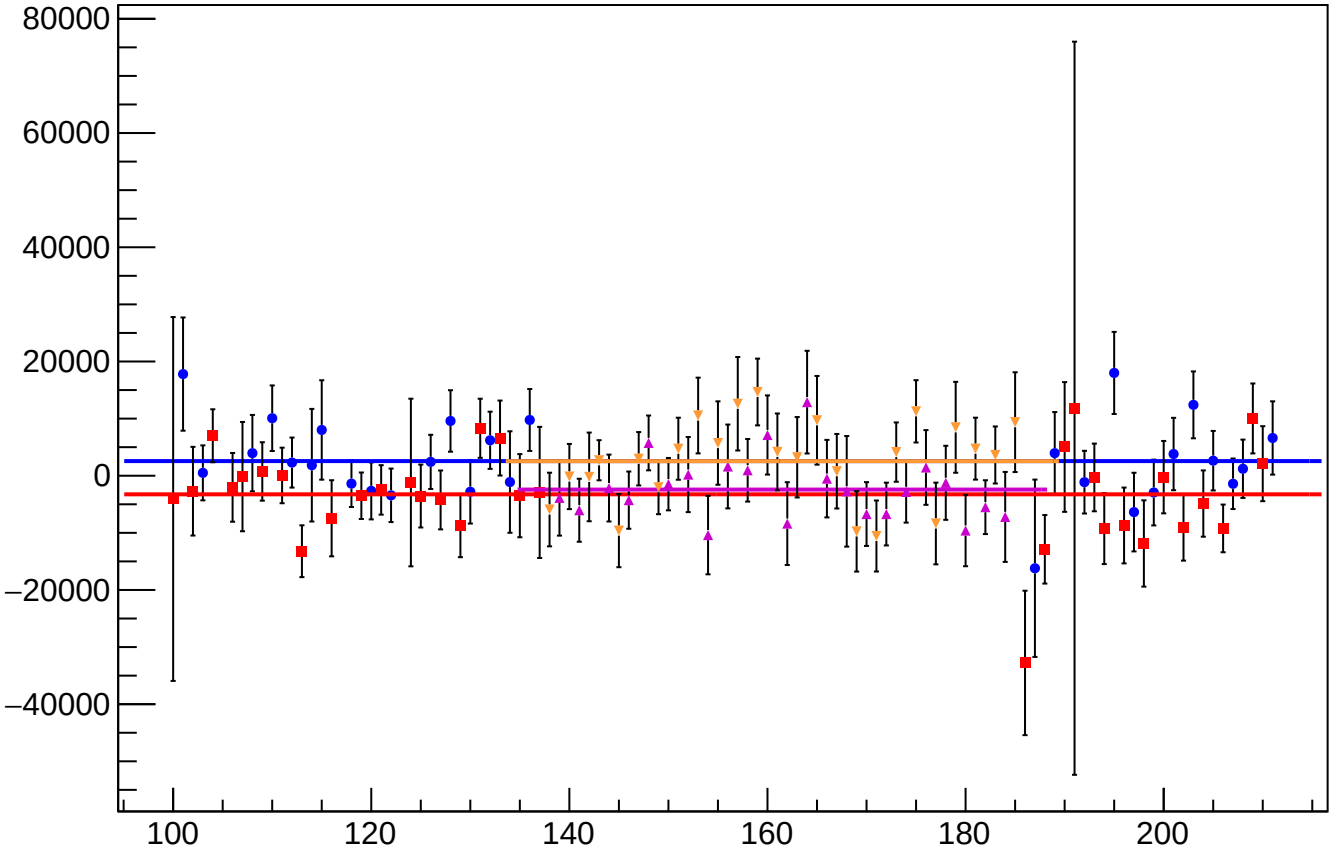
Left In: 5170.035+/-0.873 χ^2/NDF:1348713.2/22

+ sign 4226.856+/-0.524 χ^2/NDF: 6289611.7/52

All: 4151.116+/-0.366 χ^2/NDF: 15002750.3/1

- sign 4079.153+/-0.511 χ^2/NDF: 8672444.7/55

asym_atr1l2_avg_mean vs Slug



Right In: 2563.139+/-1080.117 χ^2/NDF: 26.8/27

Left Out: 2547.072+/-1187.668 χ^2/NDF:29.1/24

Right Out: -3257.025+/-1059.445 χ^2/NDF: 40.2/32

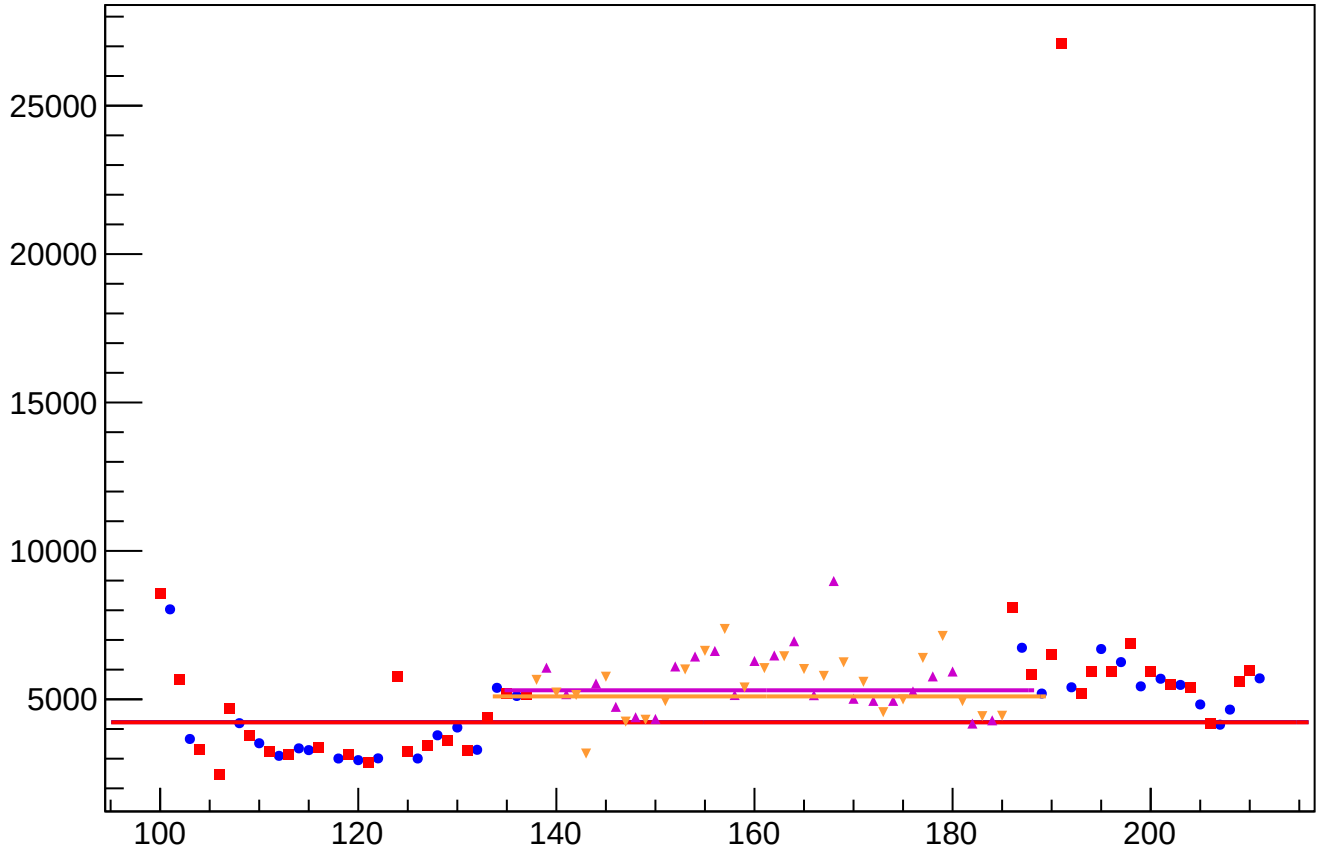
Left In: -2423.016+/-1259.653 χ^2/NDF:15.0/22

+ sign 2555.866+/-799.082 χ^2/NDF: 55.8/52

All: -138.023+/-569.133 χ^2/NDF: 134.3/108

- sign -2911.488+/-810.798 χ^2/NDF: 55.4/55

asym_atr1l2_avg_rms vs Slug



Right In: 4230.770+/-0.764 χ^2/NDF: 2298187.9/27

Left Out: 5097.995+/-0.840 χ^2/NDF:1544385.5/24

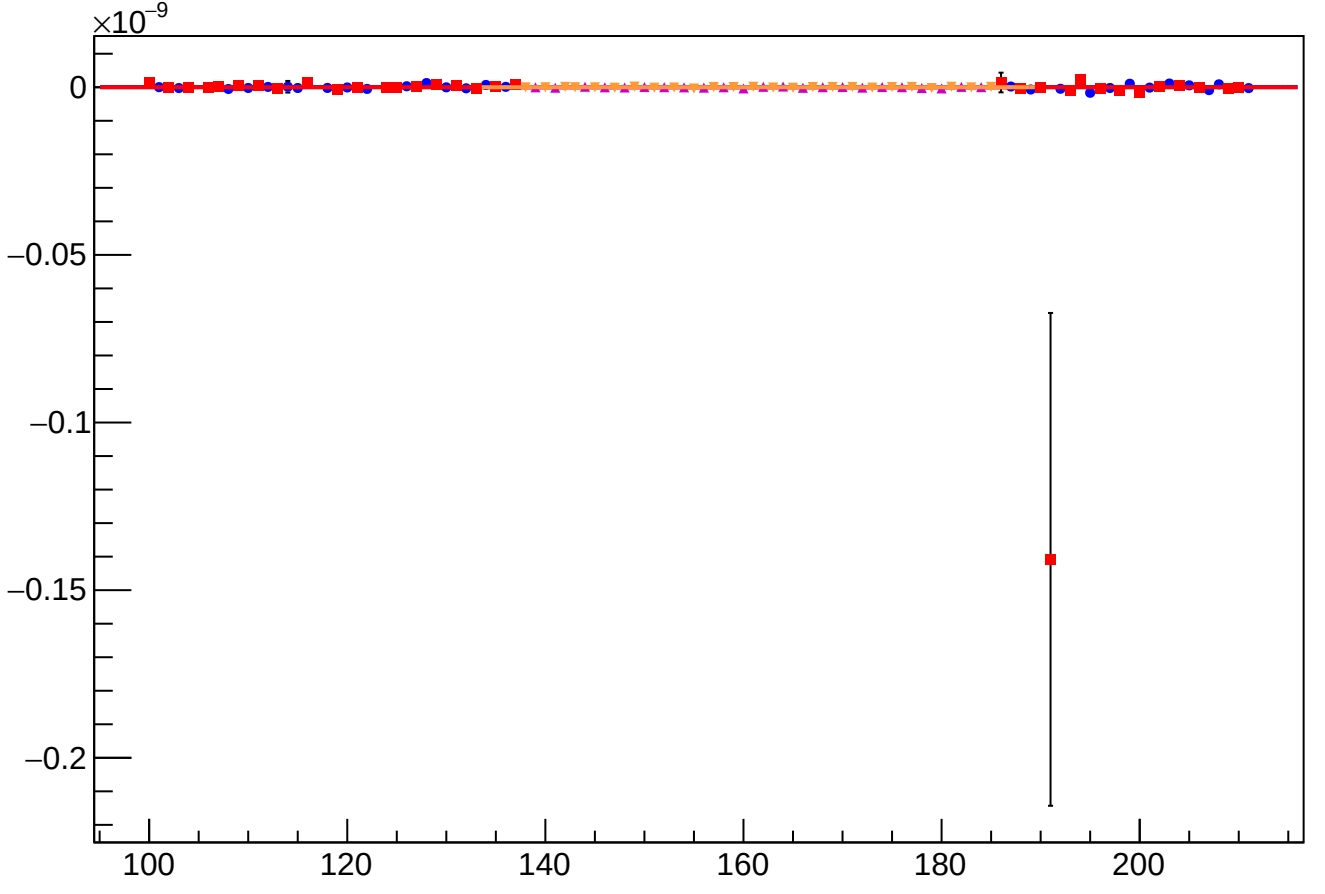
Right Out: 4224.868+/-0.742 χ^2/NDF: 3153618.2/32

Left In: 5304.171+/-0.891 χ^2/NDF:1017974.6/22

+ sign 4623.346+/-0.565 χ^2/NDF: 4426213.0/52

All: 4644.954+/-0.401 χ^2/NDF: 9467643.4/10

- sign 4666.949+/-0.570 χ^2/NDF: 5038479.3/55



Right In: 0.000+/-0.000 χ^2/NDF: 36.6/27

Left Out: 0.000+/-0.000 χ^2/NDF:15.2/24

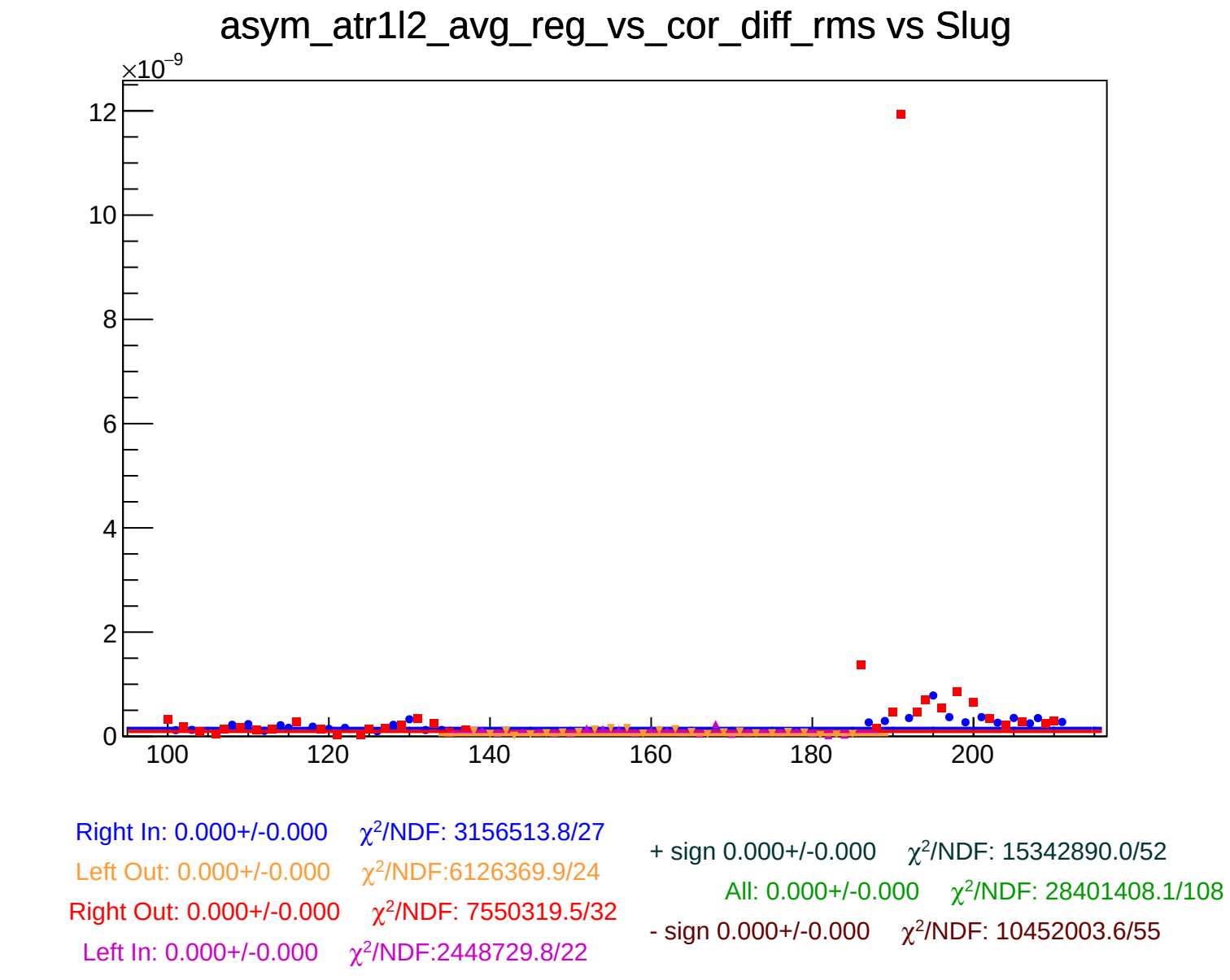
Right Out: 0.000+/-0.000 χ^2/NDF: 41.2/32

Left In: 0.000+/-0.000 χ^2/NDF:22.9/22

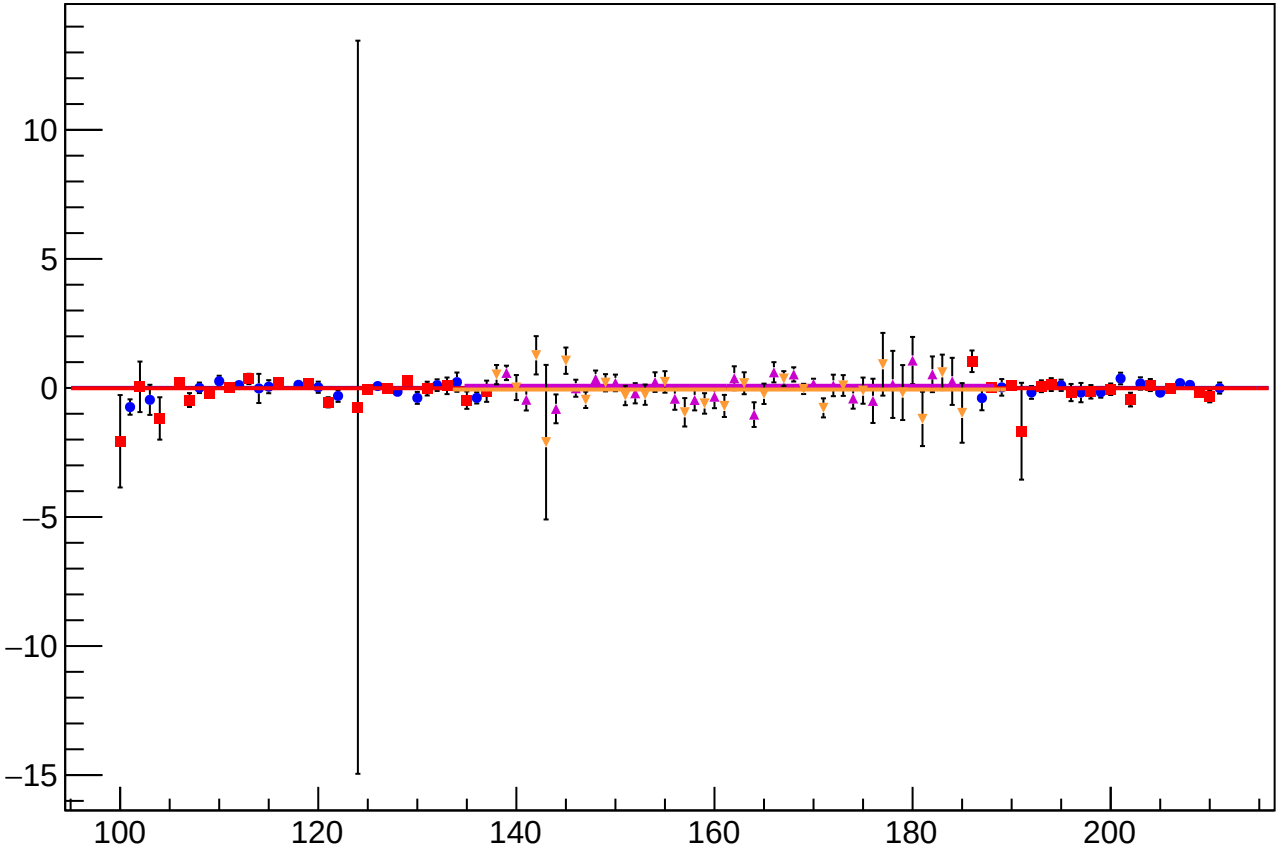
+ sign 0.000+/-0.000 χ^2/NDF: 52.3/52

All: 0.000+/-0.000 χ^2/NDF: 116.4/108

- sign 0.000+/-0.000 χ^2/NDF: 64.1/55


asym_atr1l2_avg_reg_vs_cor_diff_rms vs Slug
×10^−9
12
10
8
6
4
2
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 3156513.8/27
Left Out: 0.000+/-0.000 χ²/NDF:6126369.9/24
Right Out: 0.000+/-0.000 χ²/NDF: 7550319.5/32
Left In: 0.000+/-0.000 χ²/NDF:2448729.8/22
+ sign 0.000+/-0.000 χ²/NDF: 15342890.0/52
All: 0.000+/-0.000 χ²/NDF: 28401408.1/108
- sign 0.000+/-0.000 χ²/NDF: 10452003.6/55

asym_atr1l2_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.002+/-0.040 χ^2/NDF: 28.1/27

Left Out: -0.061+/-0.084 χ^2/NDF:30.8/24

Right Out: -0.012+/-0.037 χ^2/NDF: 43.0/32

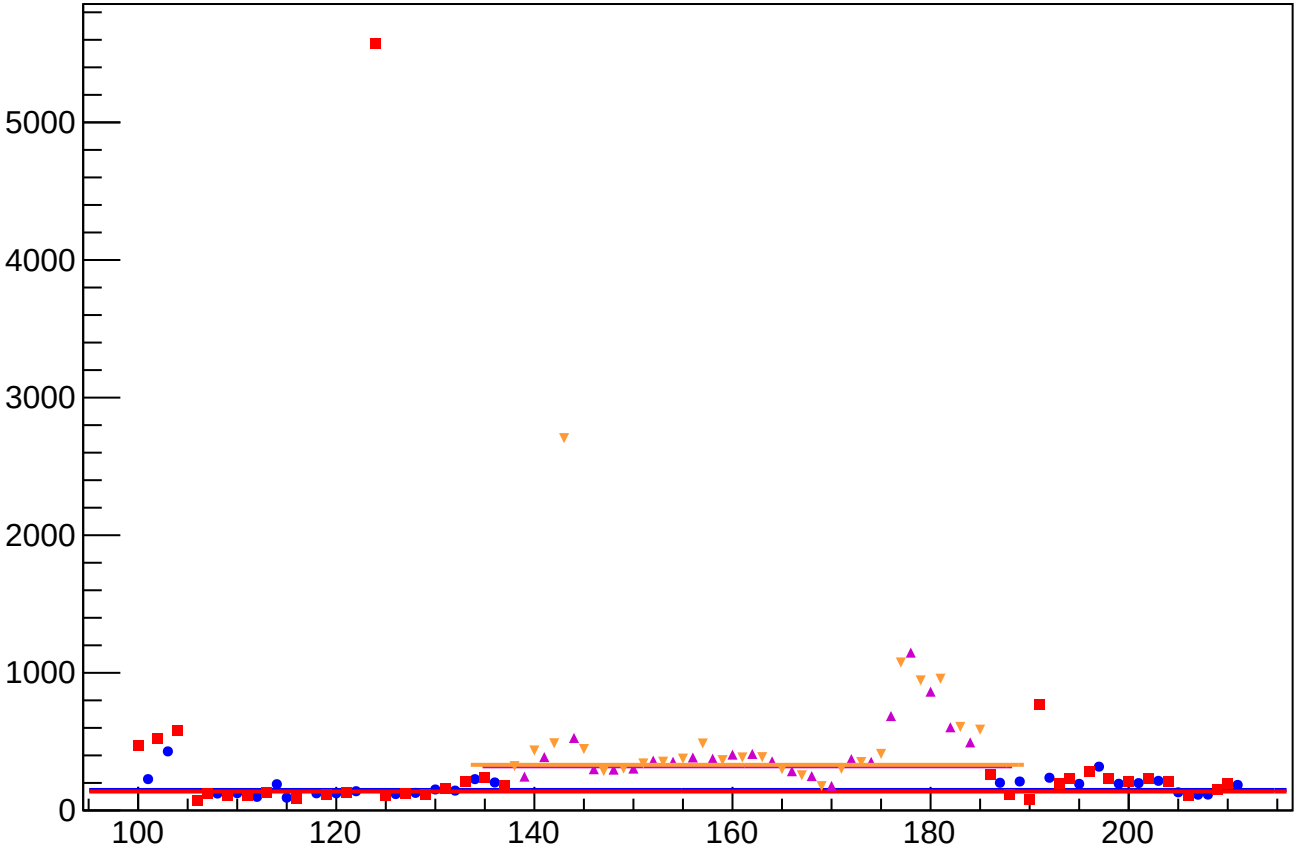
Left In: 0.084+/-0.081 χ^2/NDF:27.0/22

+ sign -0.010+/-0.036 χ^2/NDF: 59.3/52

All: -0.002+/-0.025 χ^2/NDF: 130.5/108

- sign 0.005+/-0.034 χ^2/NDF: 71.1/55

asym_atr1l2_avg_dit_vs_cor_diff_rms vs Slug



Right In: 148.859+/-0.028 χ^2/NDF: 2906479.2/27

Left Out: 331.651+/-0.059 χ^2/NDF:5838206.4/24

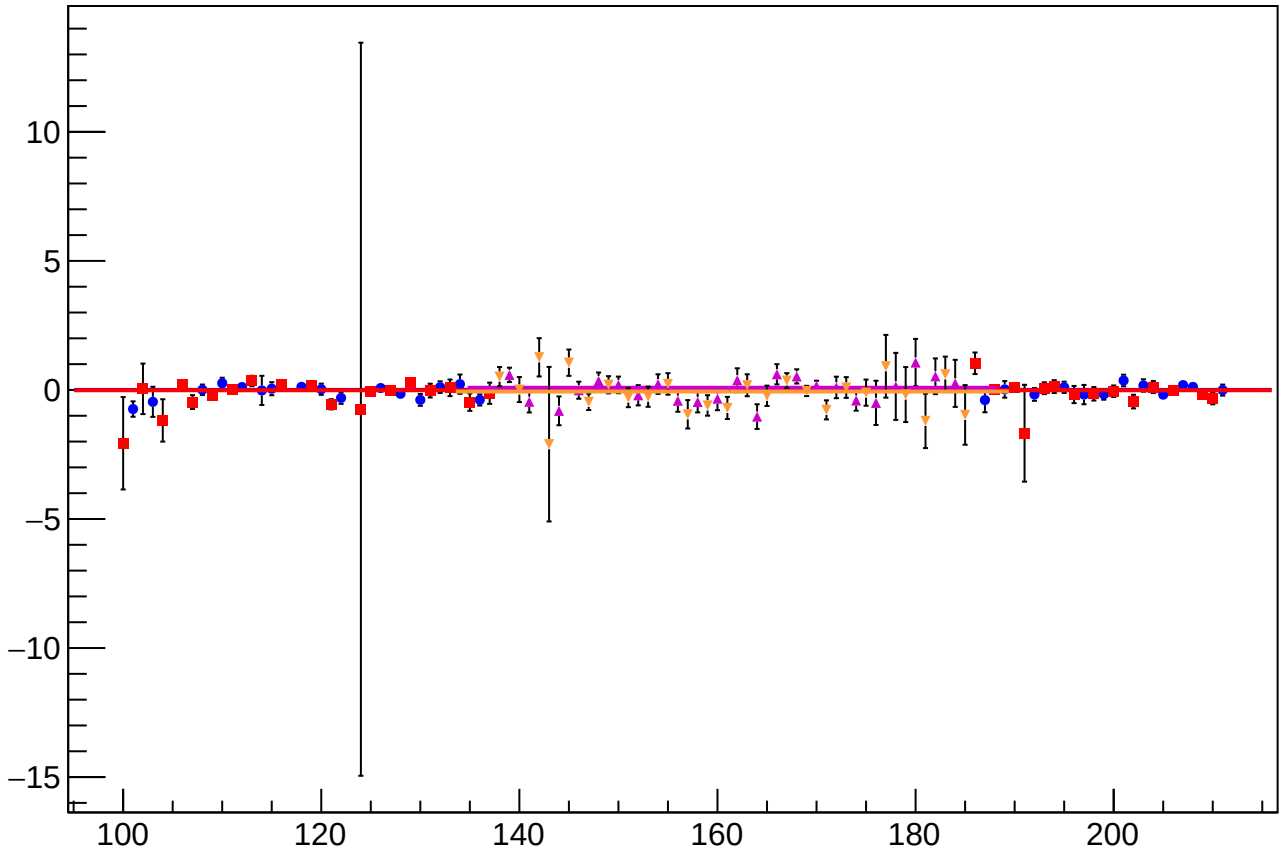
Right Out: 137.461+/-0.026 χ^2/NDF: 5062499.4/32

Left In: 320.746+/-0.057 χ^2/NDF:4248172.2/22

+ sign 183.037+/-0.026 χ^2/NDF: 16501299.7/52

All: 175.648+/-0.017 χ^2/NDF: 34403741.6/10

- sign 169.213+/-0.024 χ^2/NDF: 17746464.9/55



Right In: 0.002+/-0.040 χ^2/NDF: 28.1/27

Left Out: -0.061+/-0.084 χ^2/NDF:30.8/24

Right Out: -0.012+/-0.037 χ^2/NDF: 43.0/32

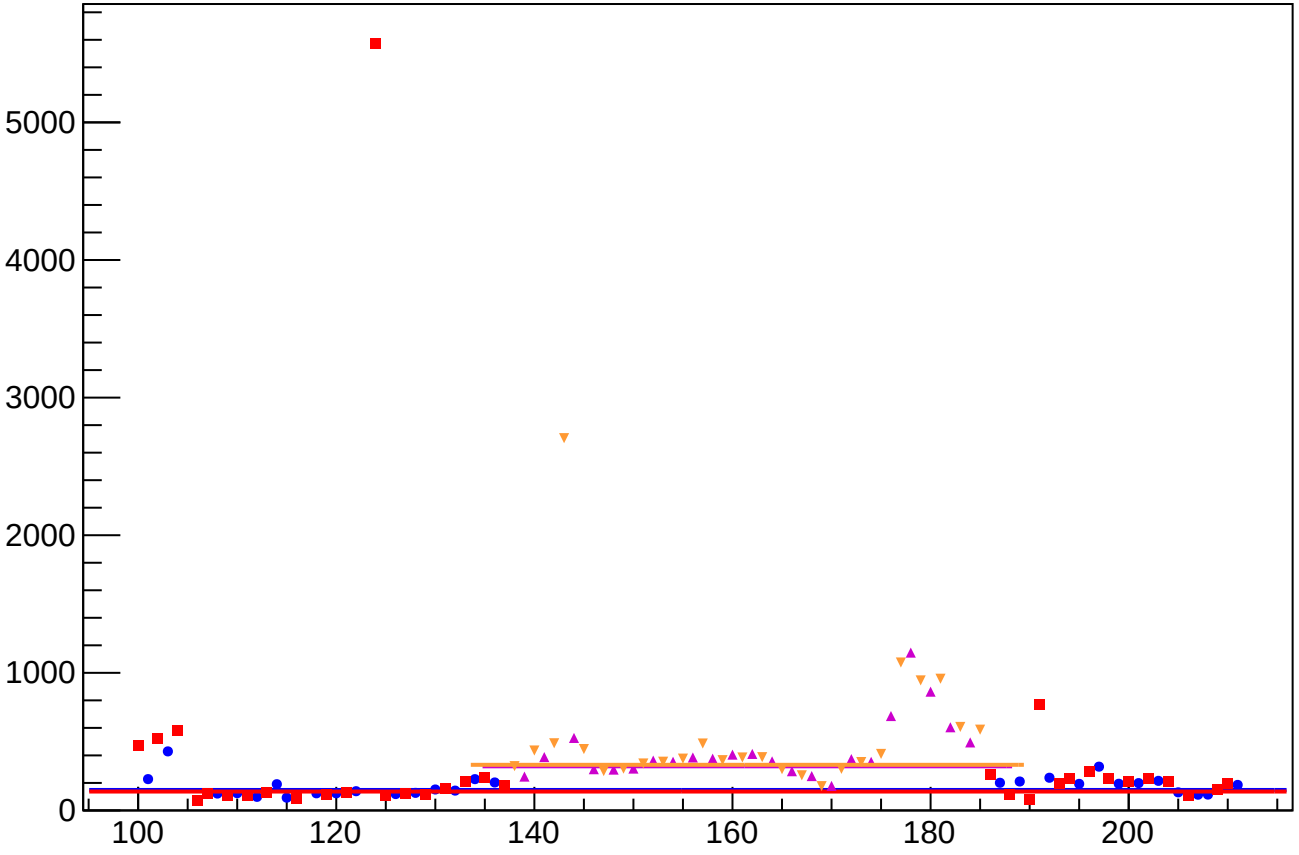
Left In: 0.084+/-0.081 χ^2/NDF:27.0/22

\+ sign -0.010+/-0.036 χ^2/NDF: 59.3/52

All: -0.002+/-0.025 χ^2/NDF: 130.5/108

\- sign 0.005+/-0.034 χ^2/NDF: 71.1/55

asym_atr1l2_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 148.859+/-0.028 χ^2/NDF: 2906479.2/27

Left Out: 331.651+/-0.059 χ^2/NDF:5838206.4/24

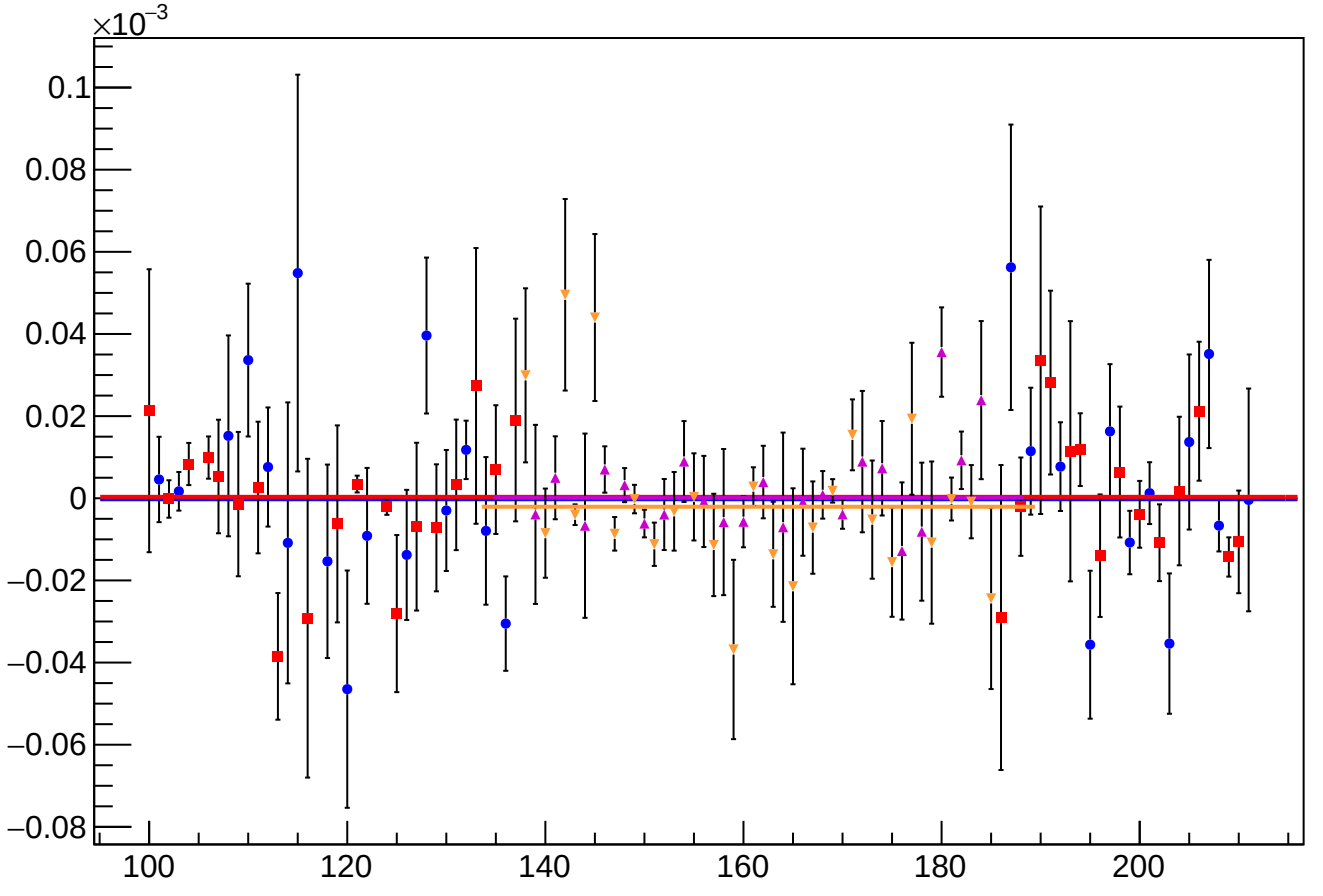
Right Out: 137.461+/-0.026 χ^2/NDF: 5062499.4/32

Left In: 320.746+/-0.057 χ^2/NDF:4248172.2/22

+ sign 183.037+/-0.026 χ^2/NDF: 16501299.7/52

All: 175.648+/-0.017 χ^2/NDF: 34403741.6/10

- sign 169.213+/-0.024 χ^2/NDF: 17746464.9/55



Right In: -0.000+/-0.000 χ^2/NDF: 42.8/27

Left Out: -0.000+/-0.000 χ^2/NDF:34.8/24

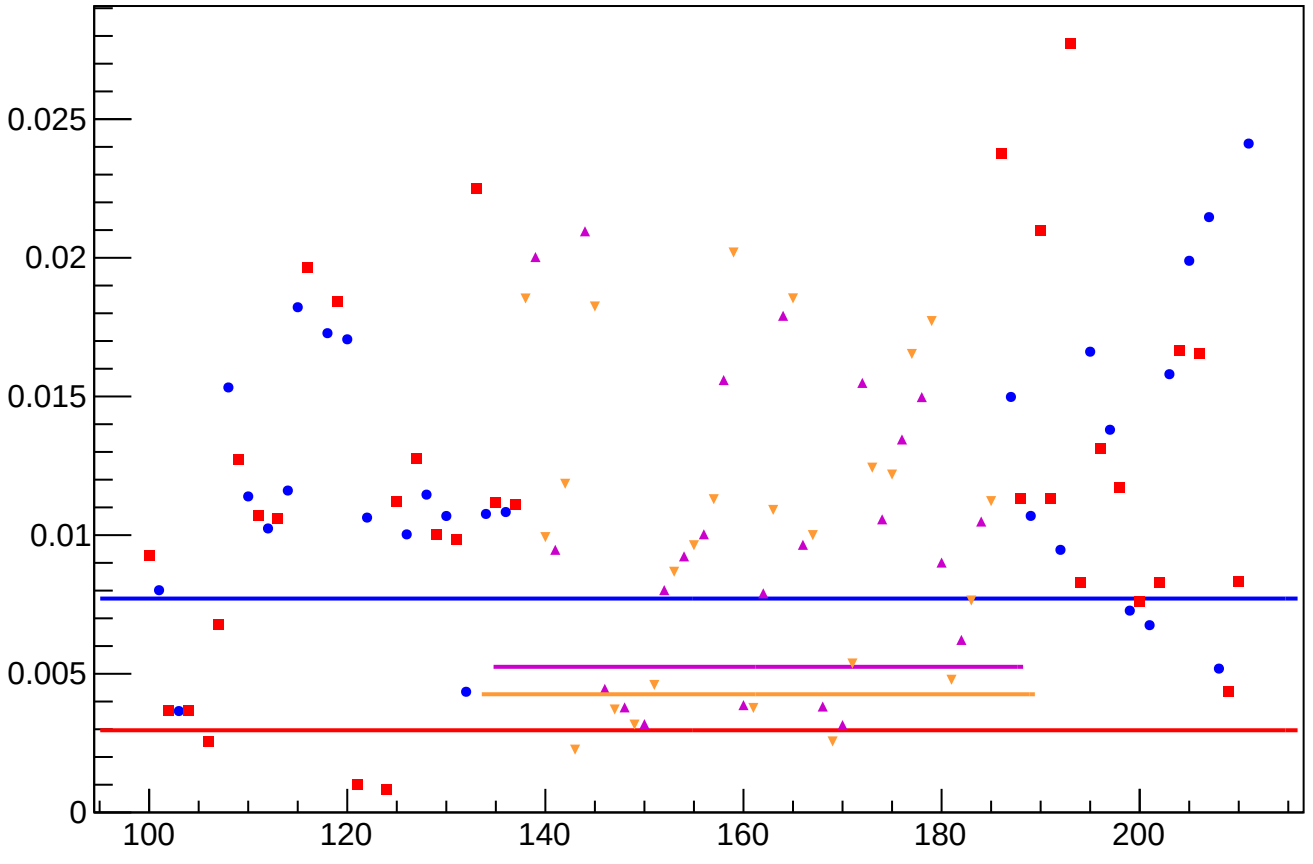
Right Out: 0.000+/-0.000 χ^2/NDF: 40.2/32

Left In: 0.000+/-0.000 χ^2/NDF:24.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 78.2/52

All: -0.000+/-0.000 χ^2/NDF: 145.1/108

- sign 0.000+/-0.000 χ^2/NDF: 65.1/55



Right In: 0.008+/-0.000 χ^2/NDF: 7297299.1/27

Left Out: 0.004+/-0.000 χ^2/NDF:12968514.8/24

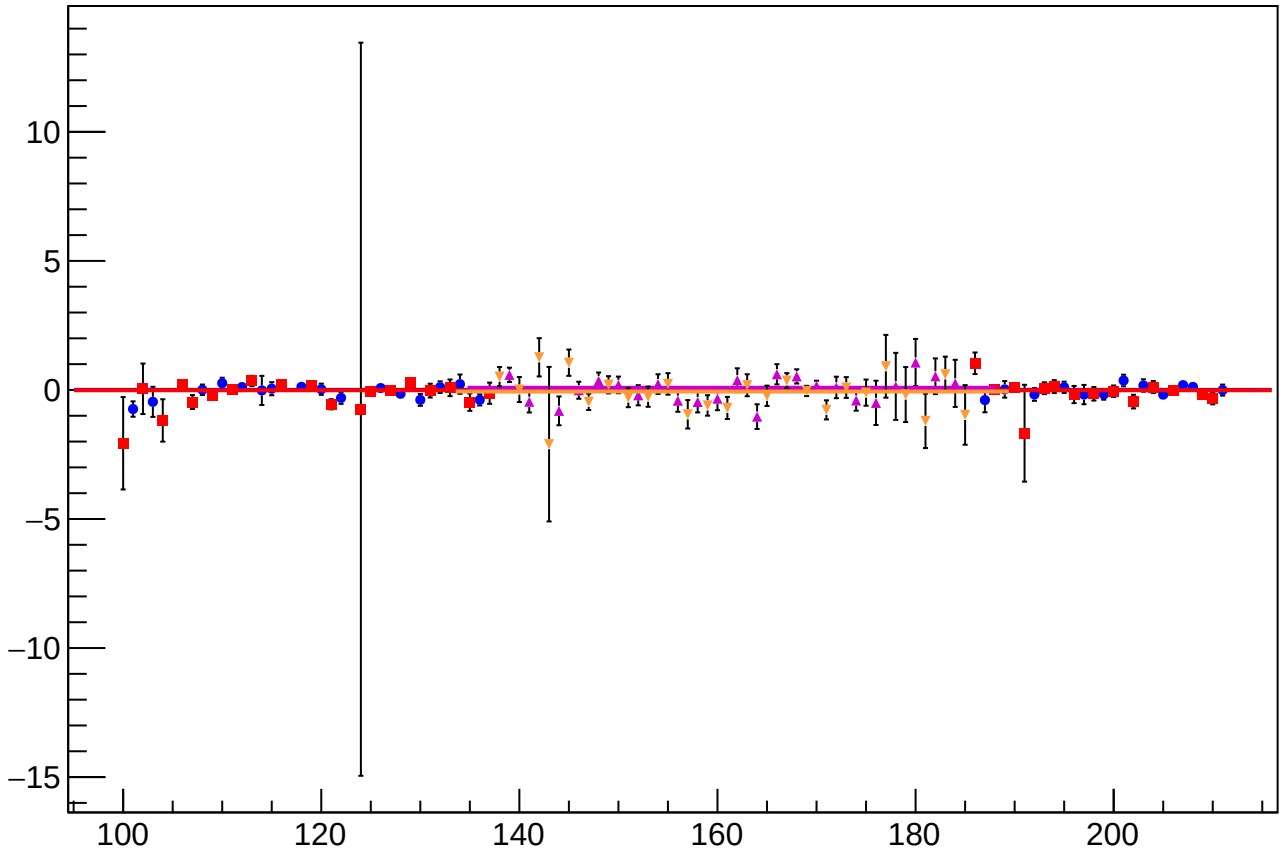
Right Out: 0.003+/-0.000 χ^2/NDF: 20213987.8/32

Left In: 0.005+/-0.000 χ^2/NDF:9531217.7/22

+ sign 0.005+/-0.000 χ^2/NDF: 23938574.4/52

All: 0.004+/-0.000 χ^2/NDF: 58190843.8/108

- sign 0.004+/-0.000 χ^2/NDF: 32622144.2/55



Right In: 0.002+/-0.040 χ^2/NDF: 28.1/27

Left Out: -0.061+/-0.084 χ^2/NDF:30.8/24

Right Out: -0.012+/-0.037 χ^2/NDF: 43.0/32

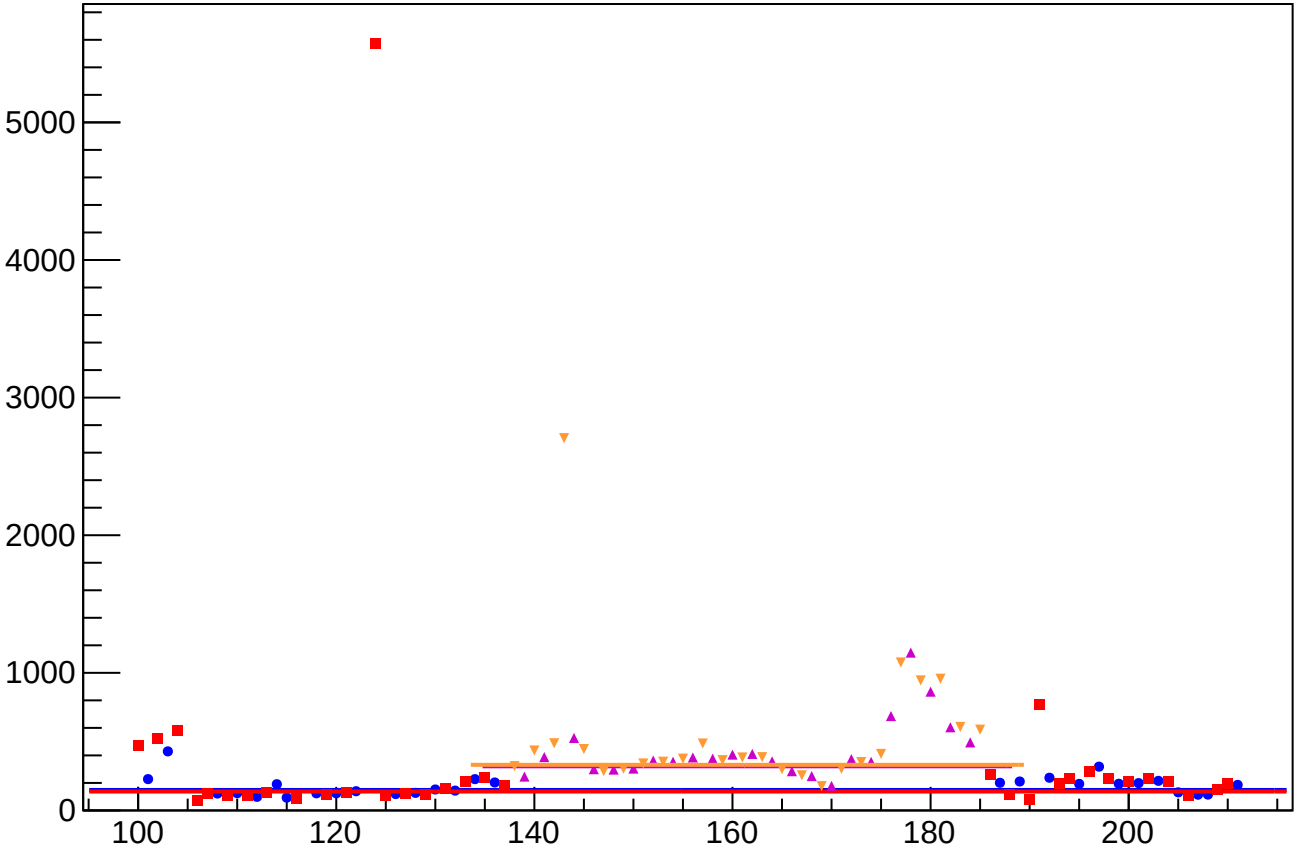
Left In: 0.084+/-0.081 χ^2/NDF:27.0/22

+ sign -0.010+/-0.036 χ^2/NDF: 59.3/52

All: -0.002+/-0.025 χ^2/NDF: 130.5/108

- sign 0.005+/-0.034 χ^2/NDF: 71.1/55

asym_atr1l2_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 148.859+/-0.028 χ^2/NDF: 2906478.0/27

Left Out: 331.653+/-0.059 χ^2/NDF:5838264.0/24

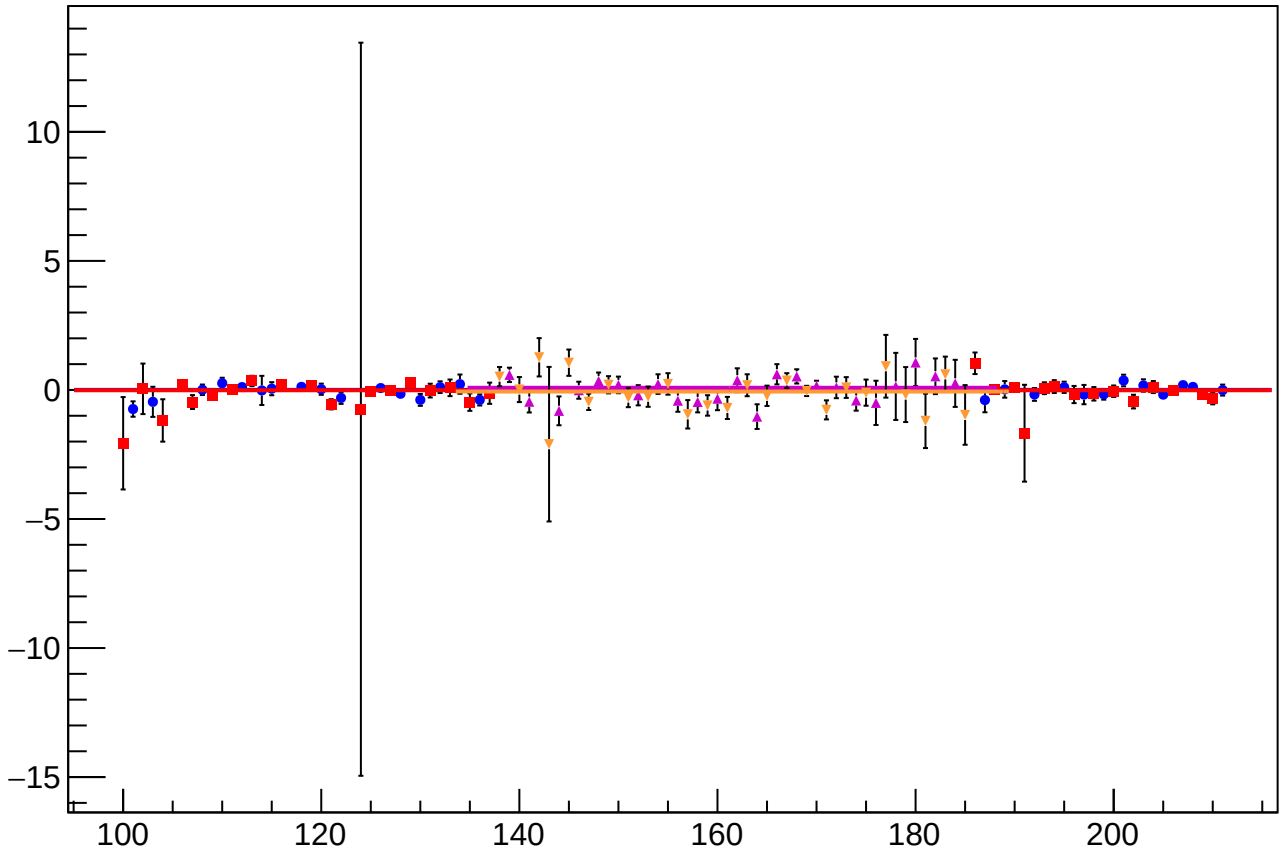
Right Out: 137.461+/-0.026 χ^2/NDF: 5062525.9/32

Left In: 320.749+/-0.057 χ^2/NDF:4248171.3/22

+ sign 183.037+/-0.026 χ^2/NDF: 16501401.3/52

All: 175.648+/-0.017 χ^2/NDF: 34404113.2/10

- sign 169.212+/-0.024 χ^2/NDF: 17746707.8/55



Right In: 0.002+/-0.040 χ^2/NDF: 28.1/27

Left Out: -0.061+/-0.084 χ^2/NDF:30.8/24

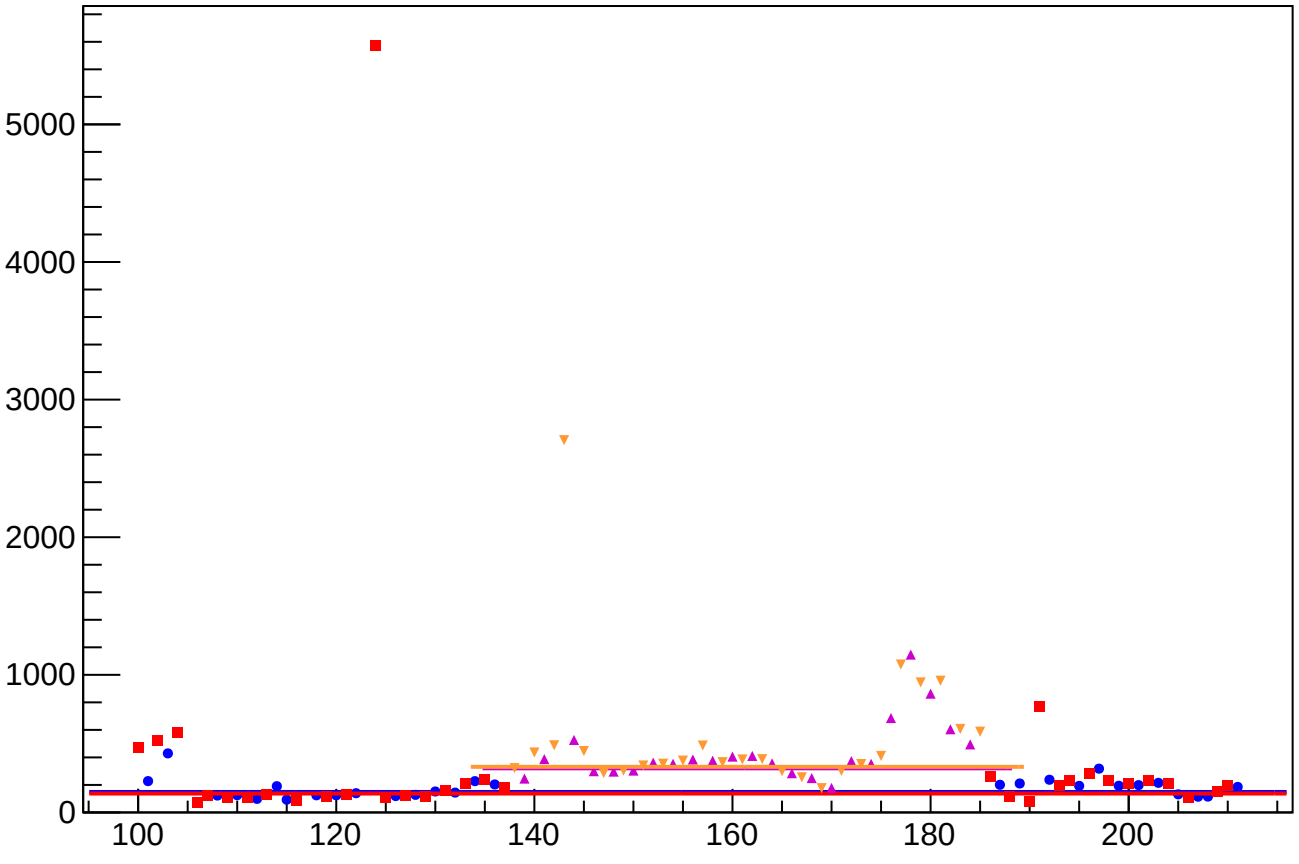
Right Out: -0.012+/-0.037 χ^2/NDF: 43.0/32

Left In: 0.084+/-0.081 χ^2/NDF:27.0/22

+ sign -0.010+/-0.036 χ^2/NDF: 59.3/52

All: -0.002+/-0.025 χ^2/NDF: 130.5/108

- sign 0.005+/-0.034 χ^2/NDF: 71.1/55



Right In: 148.859+/-0.028 χ^2/NDF: 2906478.0/27

Left Out: 331.653+/-0.059 χ^2/NDF:5838264.0/24

Right Out: 137.461+/-0.026 χ^2/NDF: 5062525.9/32

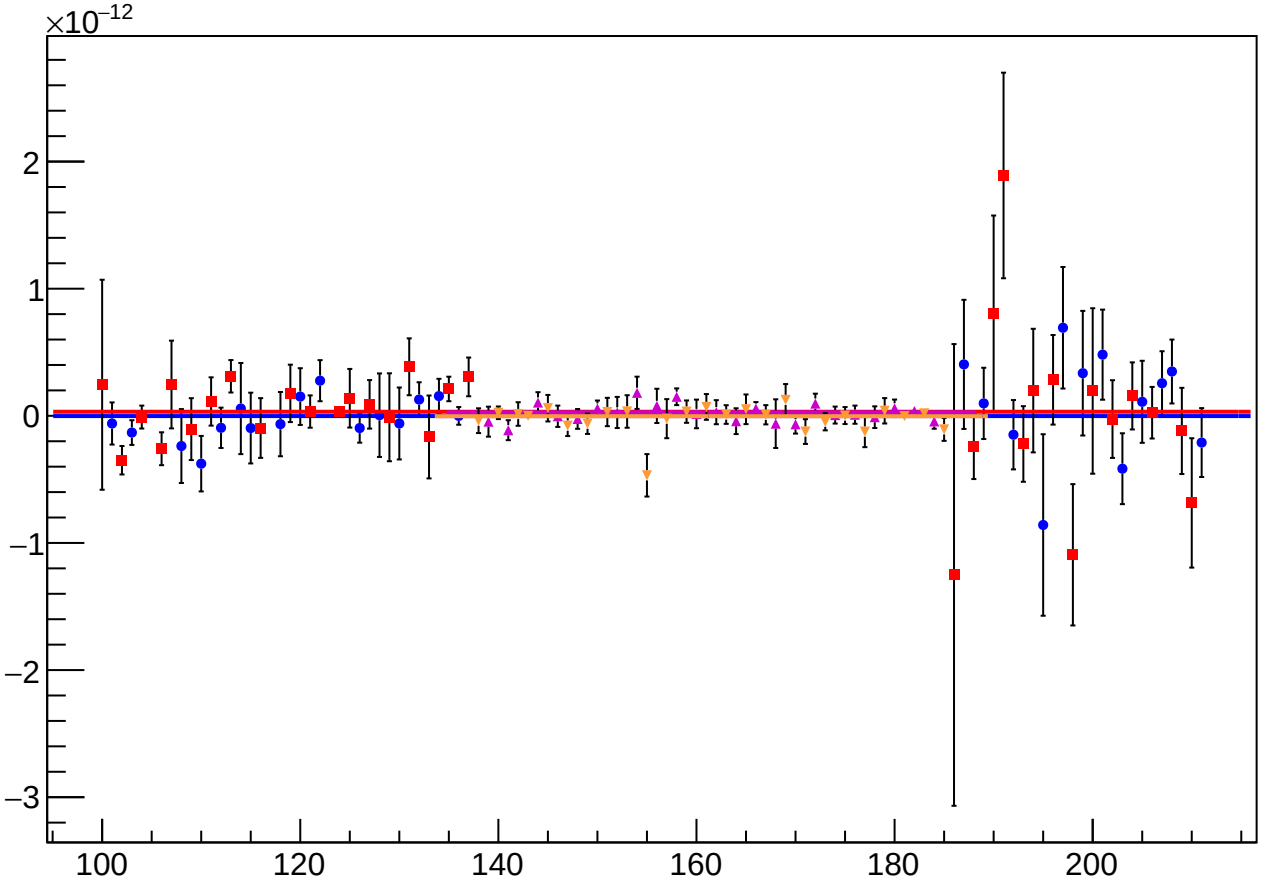
Left In: 320.749+/-0.057 χ^2/NDF:4248171.3/22

+ sign 183.037+/-0.026 χ^2/NDF: 16501401.3/52

All: 175.648+/-0.017 χ^2/NDF: 34404113.2/10

- sign 169.212+/-0.024 χ^2/NDF: 17746707.8/55

asym_atr1l2_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 25.3/27

Left Out: -0.000+/-0.000 χ^2/NDF:17.0/24

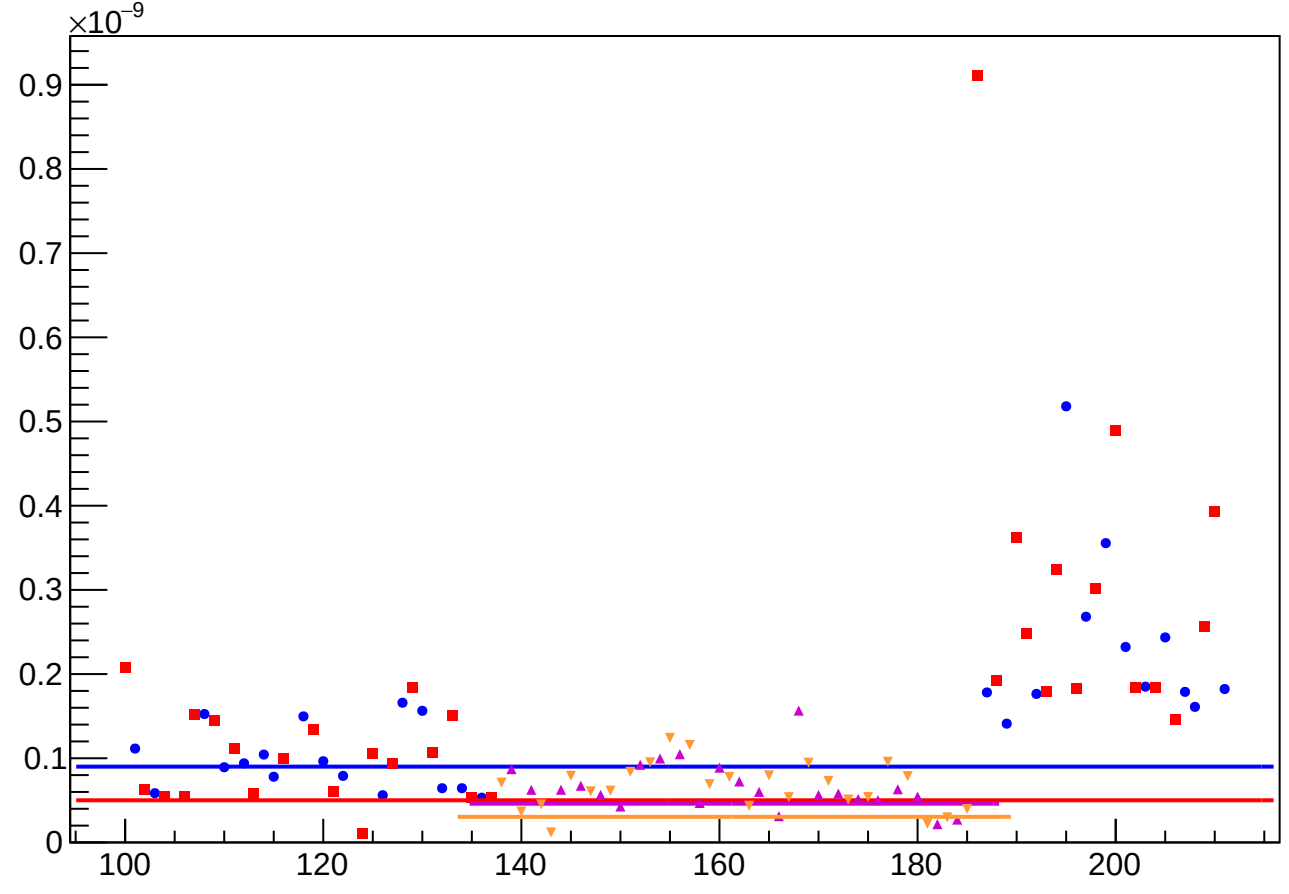
Right Out: 0.000+/-0.000 χ^2/NDF: 49.0/32

Left In: 0.000+/-0.000 χ^2/NDF:16.1/22

+ sign -0.000+/-0.000 χ^2/NDF: 42.3/52

All: 0.000+/-0.000 χ^2/NDF: 111.2/108

- sign 0.000+/-0.000 χ^2/NDF: 65.2/55



Right In: 0.000+/-0.000 χ^2/NDF: 5118576.9/27

Left Out: 0.000+/-0.000 χ^2/NDF:10517831.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 11793554.3/32

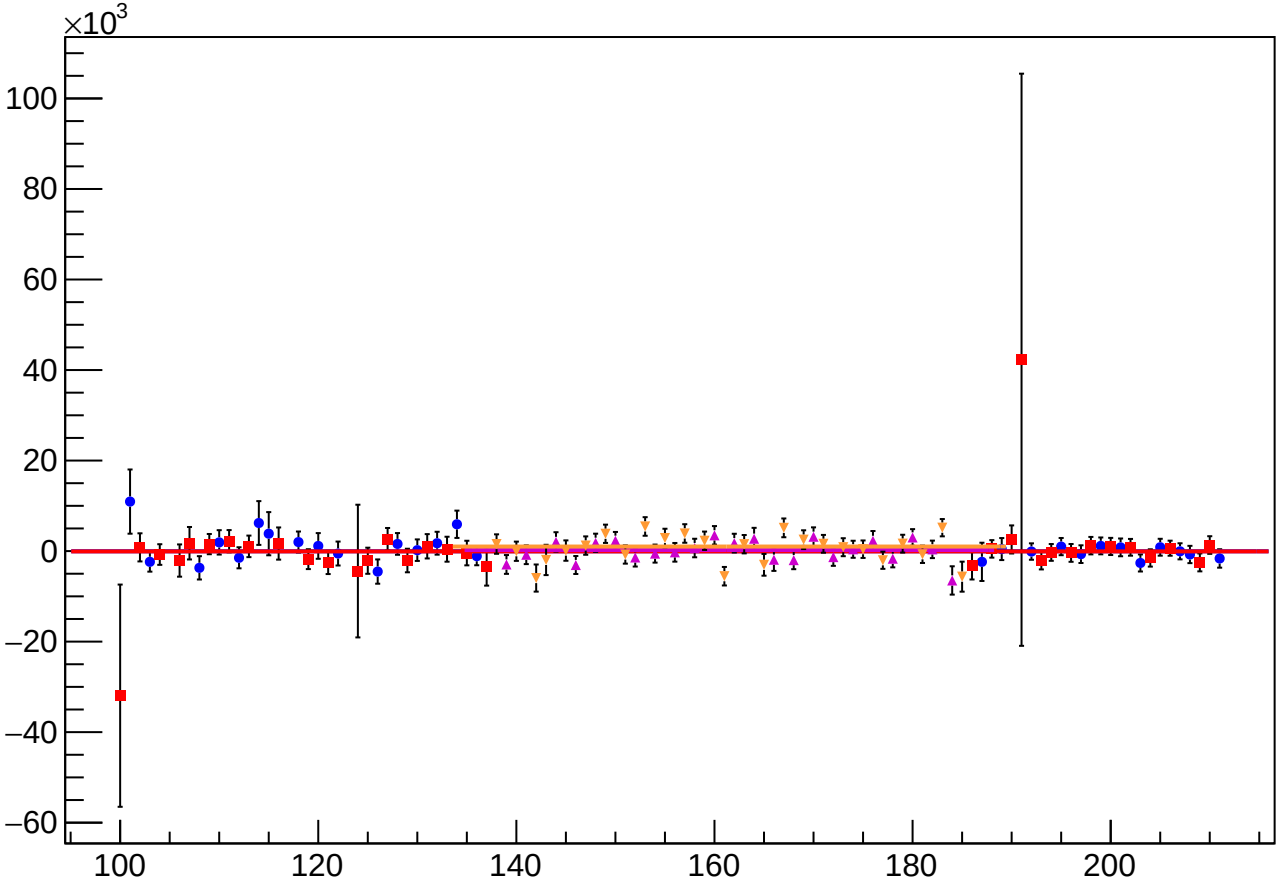
Left In: 0.000+/-0.000 χ^2/NDF:4899715.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 21065580.7/52

All: 0.000+/-0.000 χ^2/NDF: 38788198.9/108

- sign 0.000+/-0.000 χ^2/NDF: 16734227.7/55

reg_asym_atr1l2_dd_mean vs Slug



Right In: -41.381+/-435.849 χ^2/NDF: 21.9/27

Left Out: 1004.165+/-422.582 χ^2/NDF:47.4/24

Right Out: -67.356+/-422.627 χ^2/NDF: 16.1/32

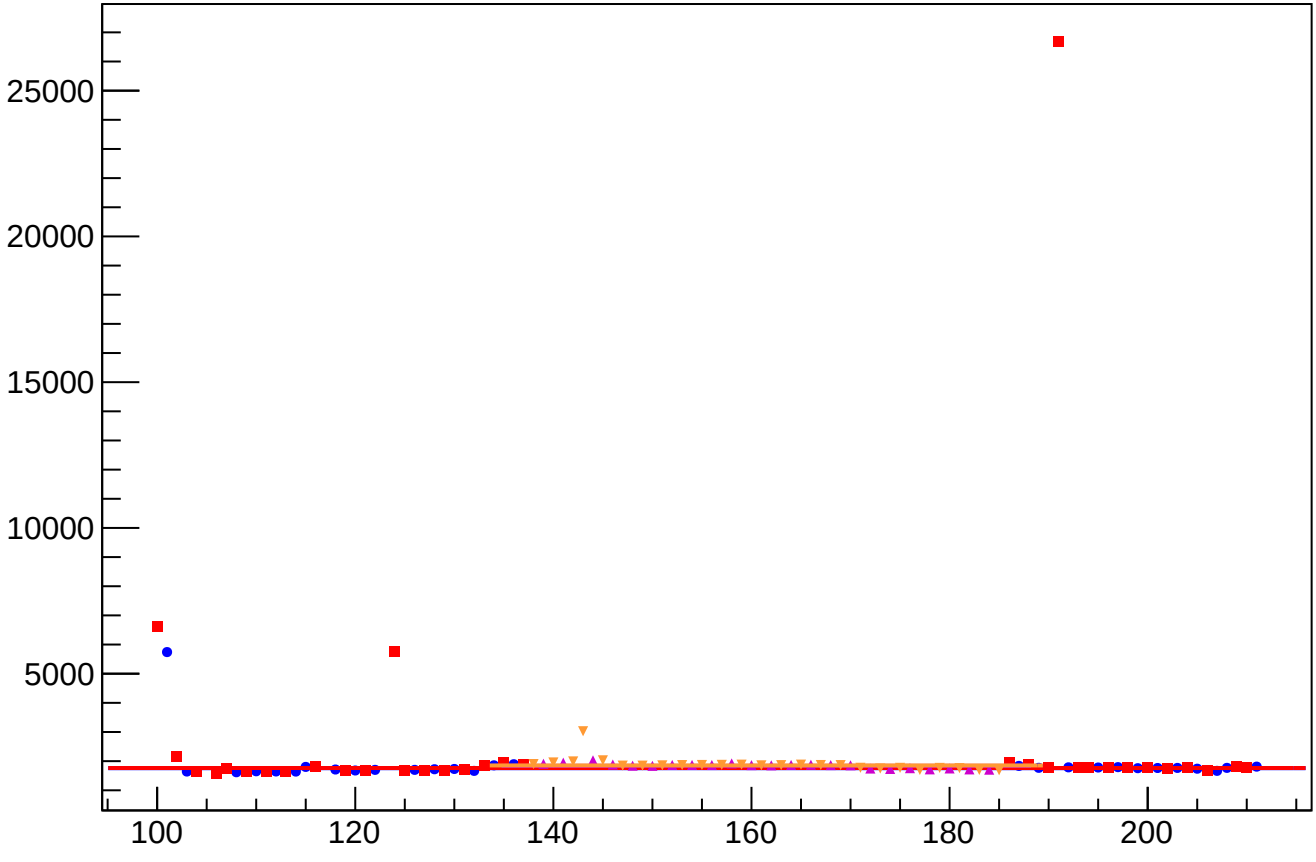
Left In: 229.321+/-429.699 χ^2/NDF:26.4/22

+ sign 497.547+/-303.393 χ^2/NDF: 72.3/52

All: 286.592+/-213.791 χ^2/NDF: 115.9/108

- sign 78.522+/-301.312 χ^2/NDF: 42.7/55

reg_asym_atr1l2_dd_rms vs Slug



Right In: 1758.167+/-0.308 χ^2/NDF: 679091.2/27

Left Out: 1852.534+/-0.299 χ^2/NDF:321038.9/24

Right Out: 1764.616+/-0.298 χ^2/NDF: 645839.4/32

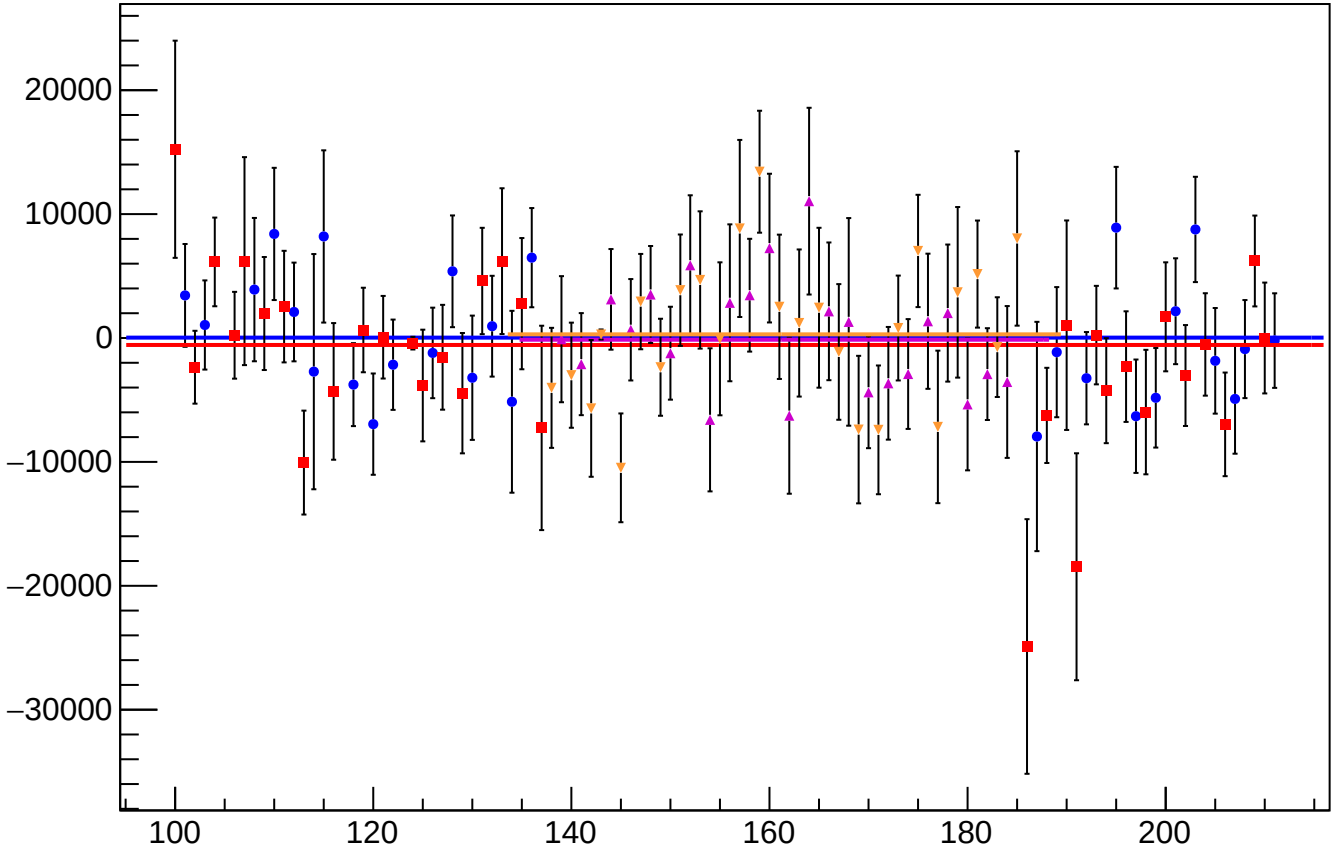
Left In: 1838.528+/-0.304 χ^2/NDF:68478.0/22

+ sign 1806.809+/-0.215 χ^2/NDF: 1048456.2/52

All: 1803.802+/-0.151 χ^2/NDF: 1793331.8/10

- sign 1800.845+/-0.213 χ^2/NDF: 744486.0/55

asym_atr1l2_dd_reg_correction_mean vs Slug



Right In: 30.492+/-831.930 χ^2/NDF: 29.2/27

Left Out: 294.407+/-379.922 χ^2/NDF:30.0/24

Right Out: -561.982+/-429.045 χ^2/NDF: 39.7/32

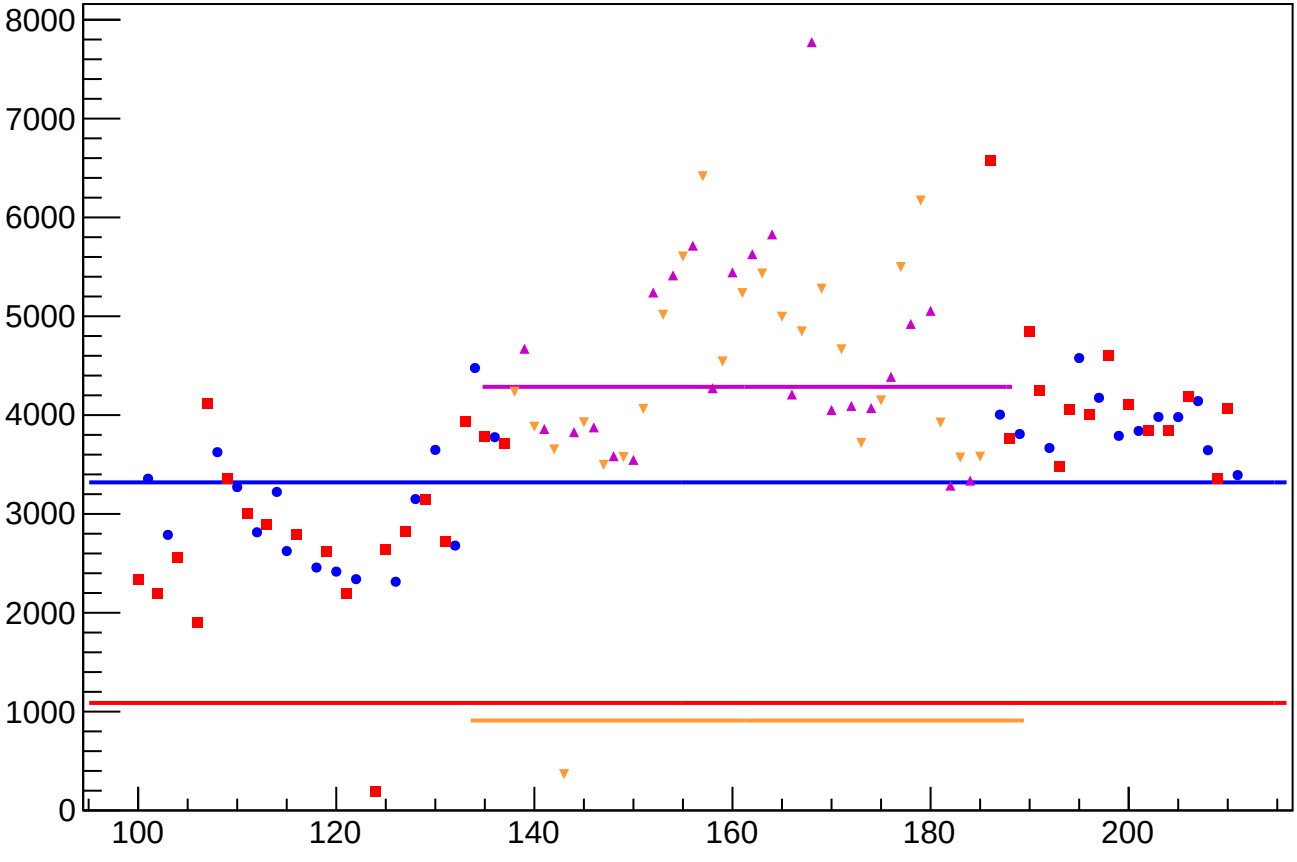
Left In: -138.350+/-1022.943 χ^2/NDF:13.9/22

\+ sign 248.865+/-345.590 χ^2/NDF: 59.4/52

All: -74.617+/-260.281 χ^2/NDF: 115.1/108

\- sign -498.608+/-395.654 χ^2/NDF: 53.7/55

asym_atr1l2_dd_reg_correction_rms vs Slug



Right In: 3319.401+/-0.588 χ^2/NDF: 1248597.9/27

Left Out: 910.135+/-0.269 χ^2/NDF:26774123.9/24

Right Out: 1087.763+/-0.303 χ^2/NDF: 22885660.0/32

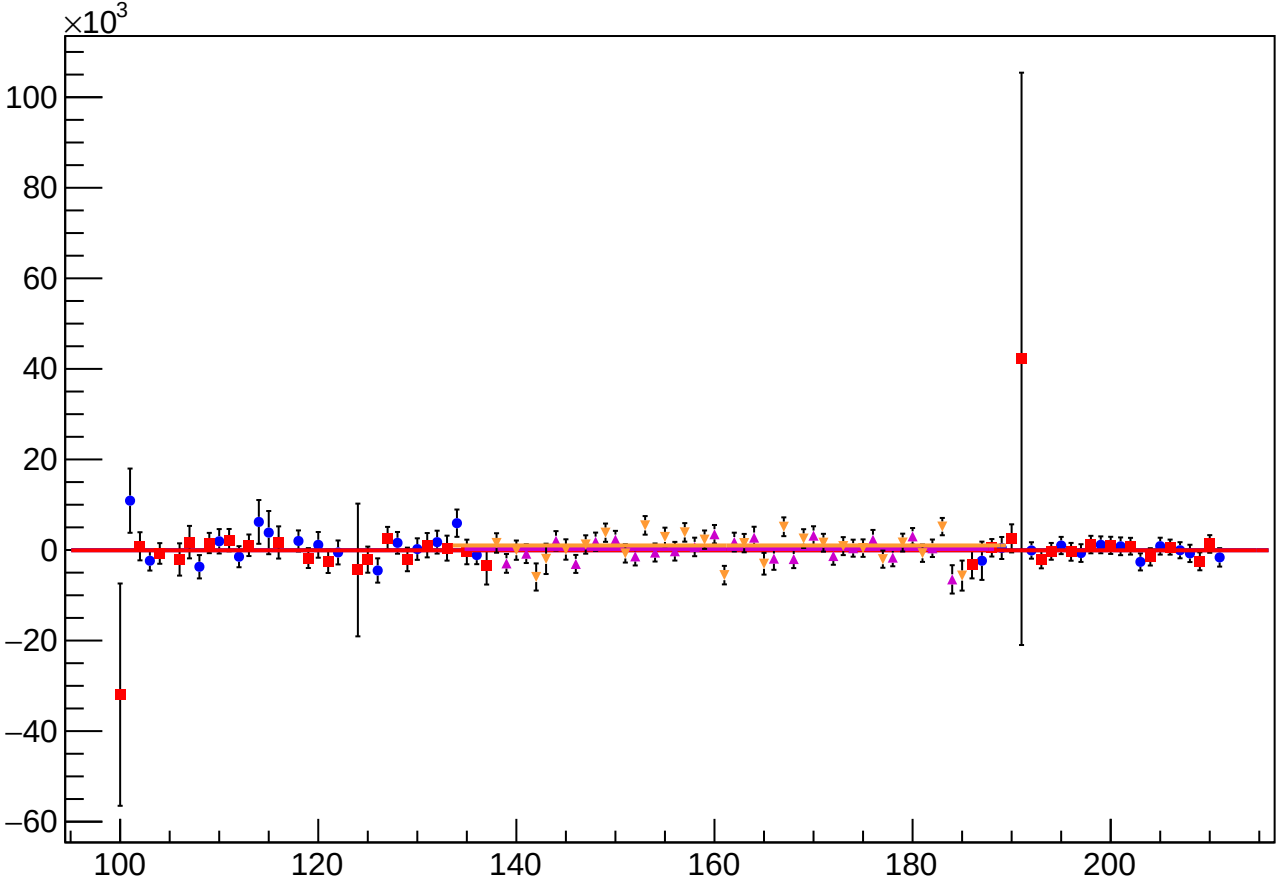
Left In: 4285.839+/-0.723 χ^2/NDF:1327947.9/22

+ sign 1325.887+/-0.244 χ^2/NDF: 41901791.9/52

All: 1429.882+/-0.184 χ^2/NDF: 83157625.3/1

- sign 1566.190+/-0.280 χ^2/NDF: 40837346.7/55

cor_asym_atr1l2_dd_mean vs Slug



Right In: -41.526+/-435.849 χ^2/NDF: 21.9/27

Left Out: 1004.123+/-422.582 χ^2/NDF:47.4/24

Right Out: -67.364+/-422.627 χ^2/NDF: 16.1/32

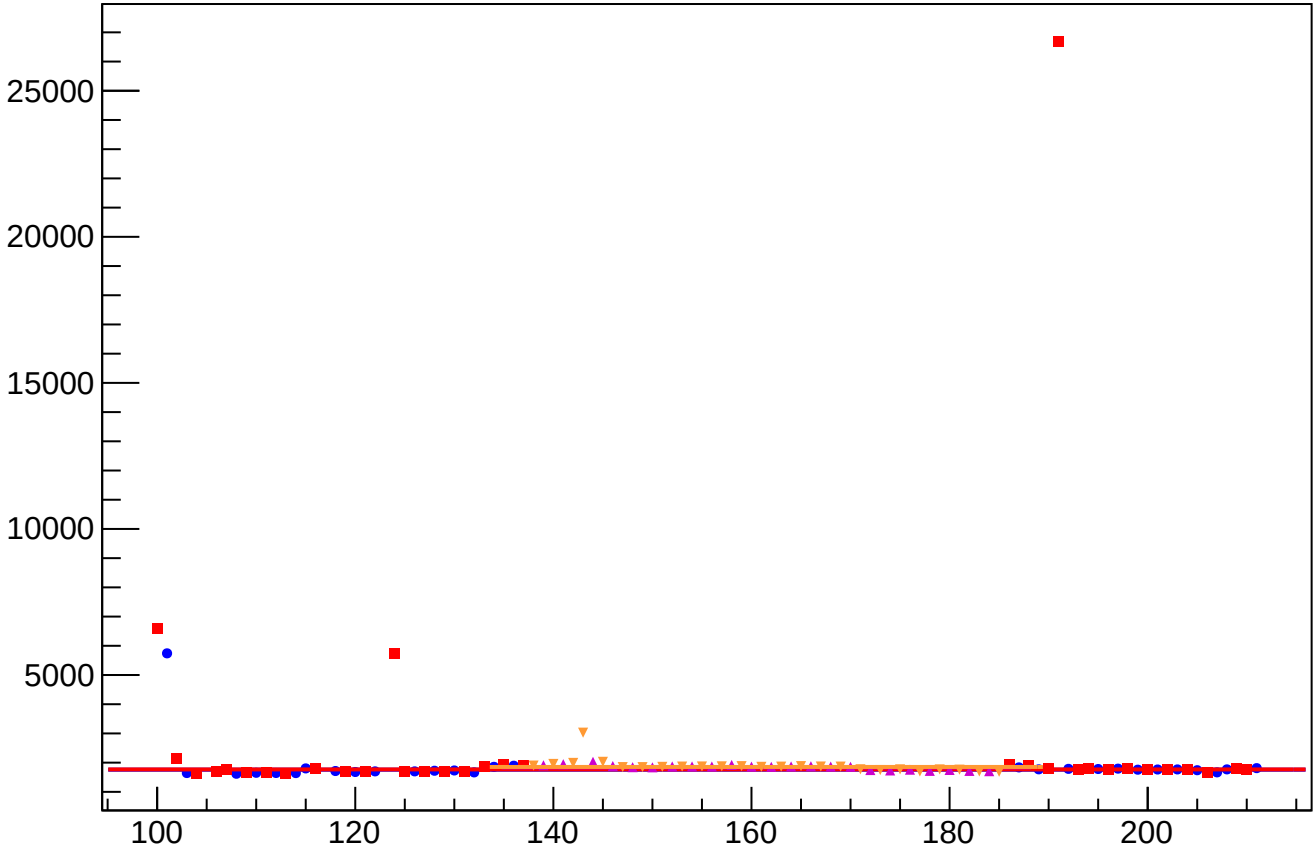
Left In: 229.236+/-429.699 χ^2/NDF:26.4/22

+ sign 497.456+/-303.393 χ^2/NDF: 72.3/52

All: 286.524+/-213.791 χ^2/NDF: 115.9/108

- sign 78.476+/-301.312 χ^2/NDF: 42.7/55

cor_asym_atr1l2_dd_rms vs Slug



Right In: 1758.167+/-0.308 χ^2/NDF: 679091.4/27

Left Out: 1852.534+/-0.299 χ^2/NDF:321038.9/24

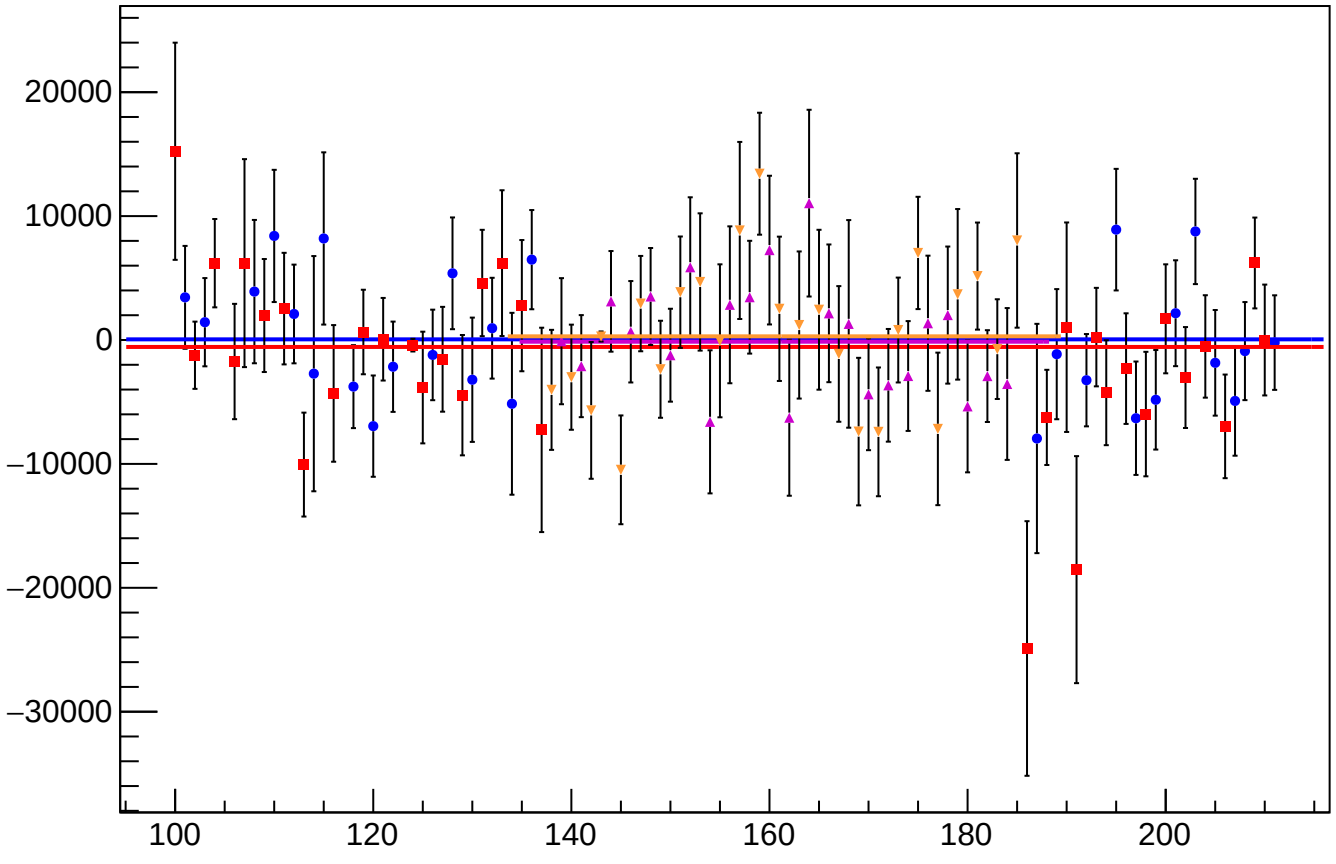
Right Out: 1767.493+/-0.298 χ^2/NDF: 637777.7/32

Left In: 1838.528+/-0.304 χ^2/NDF:68478.0/22

+ sign 1806.809+/-0.215 χ^2/NDF: 1048456.6/52

All: 1804.570+/-0.151 χ^2/NDF: 1782753.1/10

- sign 1802.366+/-0.213 χ^2/NDF: 734080.5/55



Right In: 52.690+/-831.482 χ^2/NDF: 29.3/27

Left Out: 295.308+/-379.951 χ^2/NDF:30.0/24

Right Out: -560.838+/-429.797 χ^2/NDF: 39.5/32

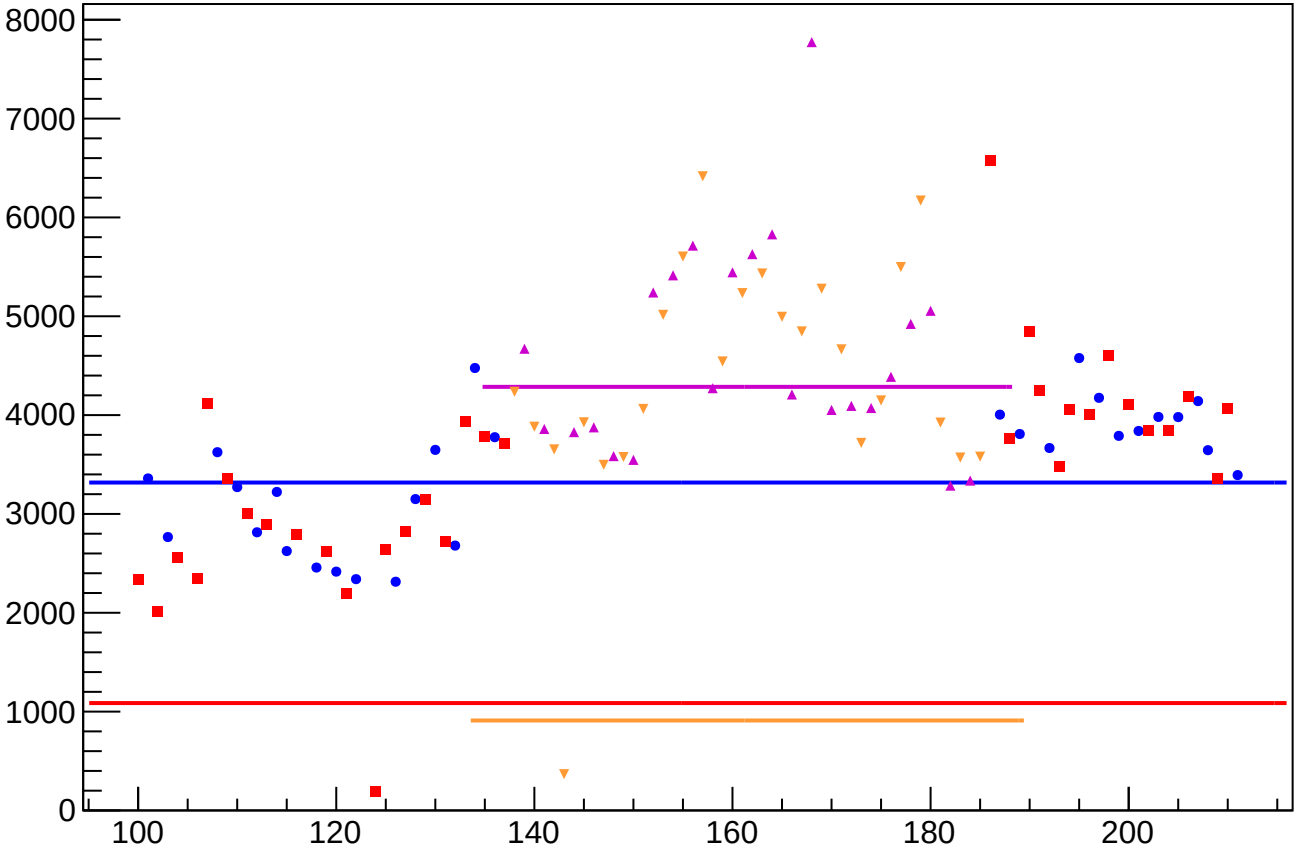
Left In: -138.272+/-1022.940 χ^2/NDF:13.9/22

+ sign 253.398+/-345.580 χ^2/NDF: 59.4/52

All: -70.978+/-260.444 χ^2/NDF: 115.0/108

- sign -497.434+/-396.243 χ^2/NDF: 53.5/55

asym_atr1l2_dd_cor_correction_rms vs Slug



Right In: 3317.697+/-0.588 χ^2/NDF: 1253307.7/27

Left Out: 910.253+/-0.269 χ^2/NDF:26772969.1/24

Right Out: 1086.476+/-0.304 χ^2/NDF: 22859828.5/32

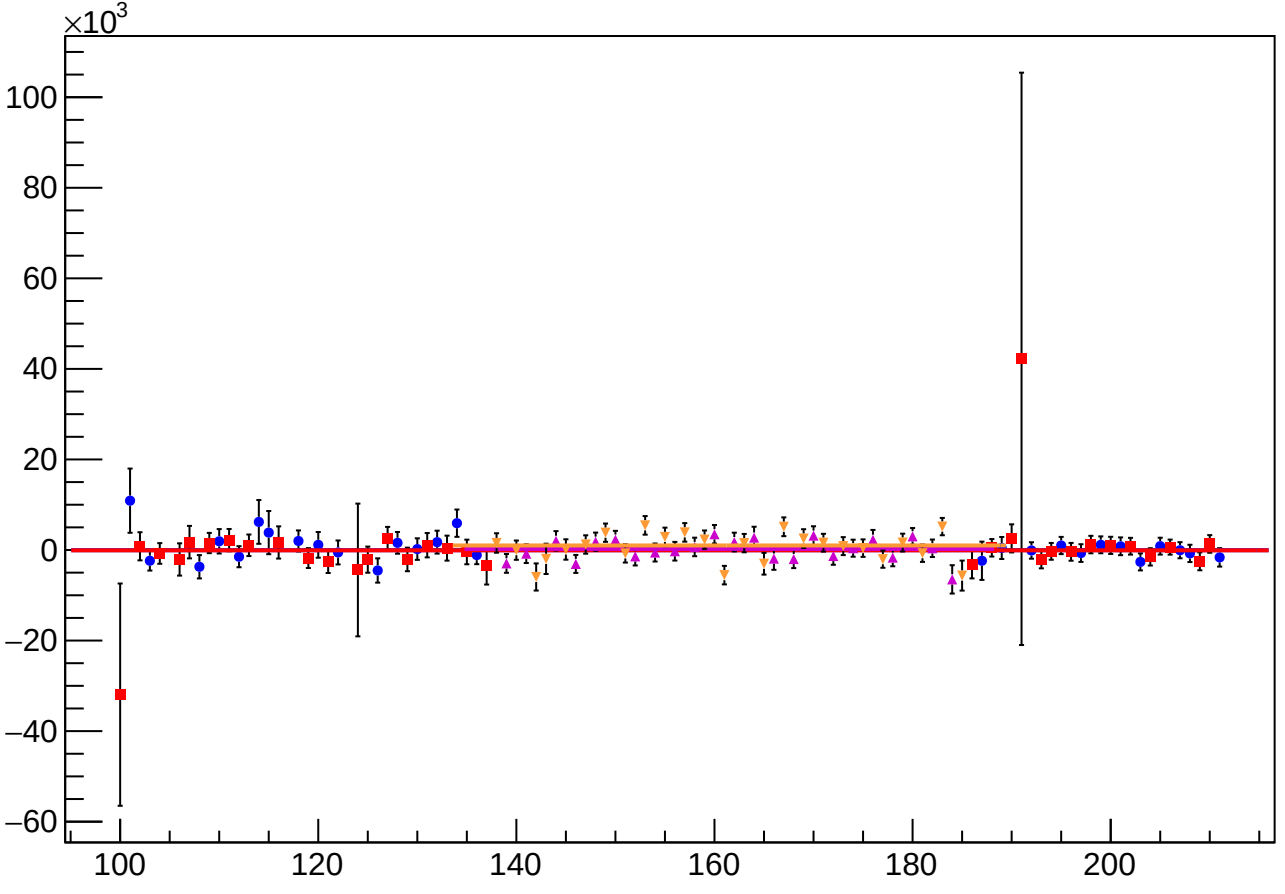
Left In: 4285.828+/-0.723 χ^2/NDF:1327963.4/22

+ sign 1326.114+/-0.244 χ^2/NDF: 41896346.7/52

All: 1429.976+/-0.184 χ^2/NDF: 83130643.8/1

- sign 1566.523+/-0.280 χ^2/NDF: 40816139.0/55

eigen_cor_asym_atr1l2_dd_mean vs Slug



Right In: -41.526+/-435.849 χ^2/NDF: 21.9/27

Left Out: 1004.123+/-422.582 χ^2/NDF:47.4/24

Right Out: -67.364+/-422.627 χ^2/NDF: 16.1/32

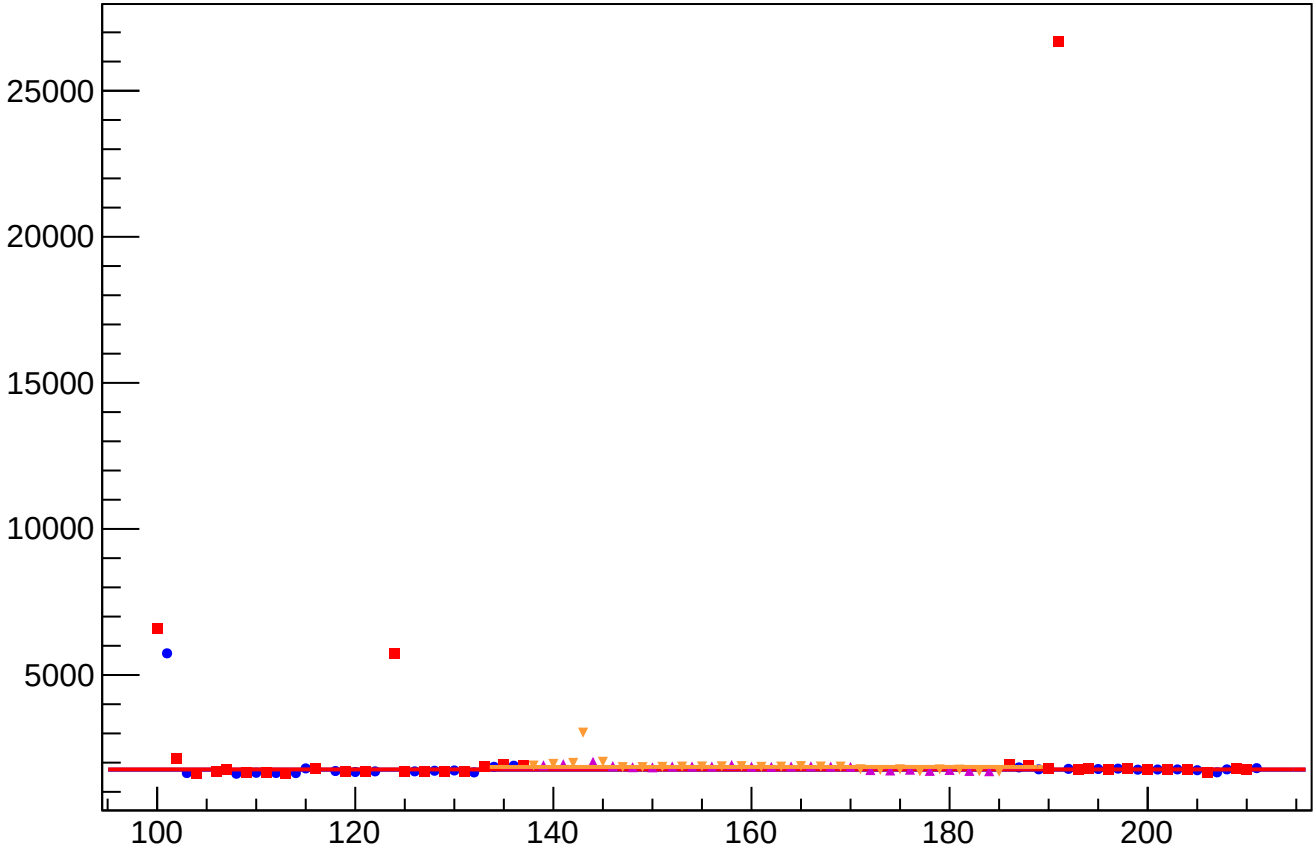
Left In: 229.236+/-429.699 χ^2/NDF:26.4/22

+ sign 497.456+/-303.393 χ^2/NDF: 72.3/52

All: 286.524+/-213.791 χ^2/NDF: 115.9/108

- sign 78.476+/-301.312 χ^2/NDF: 42.7/55

eigen_cor_asym_atr1l2_dd_rms vs Slug



Right In: 1758.167+/-0.308 χ^2/NDF: 679091.4/27

Left Out: 1852.534+/-0.299 χ^2/NDF:321038.9/24

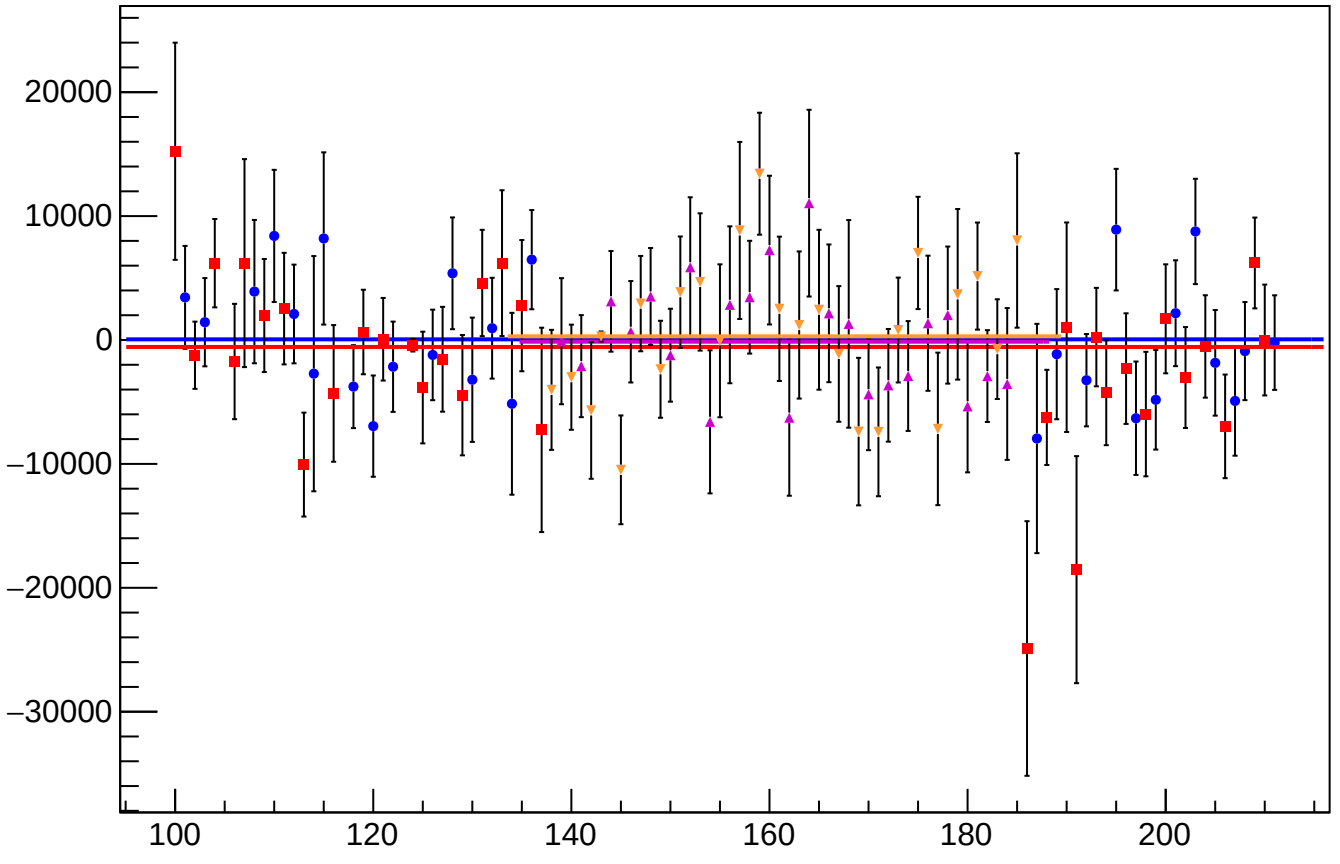
Right Out: 1767.493+/-0.298 χ^2/NDF: 637777.7/32

Left In: 1838.528+/-0.304 χ^2/NDF:68478.0/22

+ sign 1806.809+/-0.215 χ^2/NDF: 1048456.6/52

All: 1804.570+/-0.151 χ^2/NDF: 1782753.1/10

- sign 1802.366+/-0.213 χ^2/NDF: 734080.5/55



Right In: 52.690+/-831.482 χ^2/NDF: 29.3/27

Left Out: 295.308+/-379.951 χ^2/NDF:30.0/24

Right Out: -560.838+/-429.797 χ^2/NDF: 39.5/32

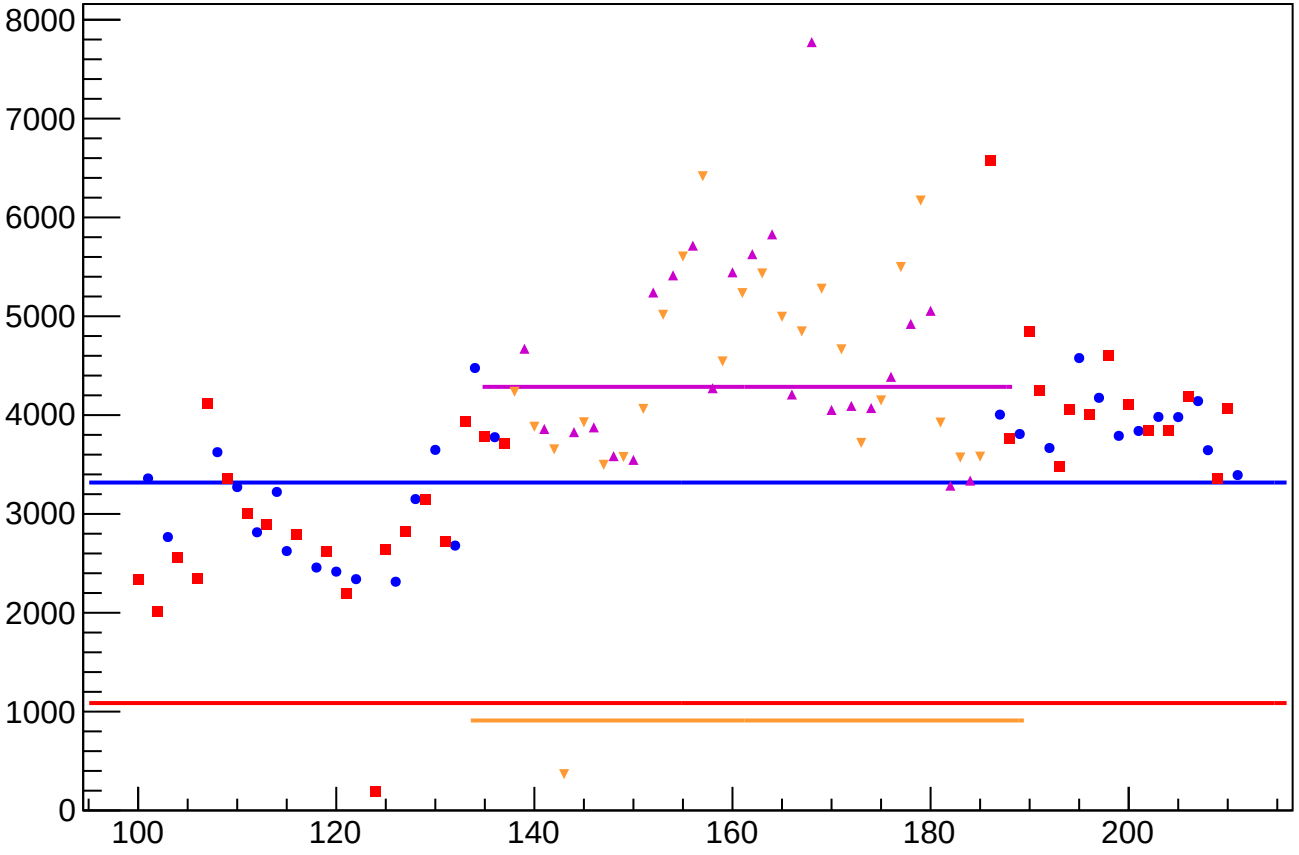
Left In: -138.272+/-1022.940 χ^2/NDF:13.9/22

+ sign 253.398+/-345.580 χ^2/NDF: 59.4/52

All: -70.978+/-260.444 χ^2/NDF: 115.0/108

- sign -497.434+/-396.243 χ^2/NDF: 53.5/55

asym_atr1l2_dd_eigen_cor_correction_rms vs Slug



Right In: 3317.697+/-0.588 χ^2/NDF: 1253307.7/27

Left Out: 910.253+/-0.269 χ^2/NDF:26772969.1/24

Right Out: 1086.476+/-0.304 χ^2/NDF: 22859828.5/32

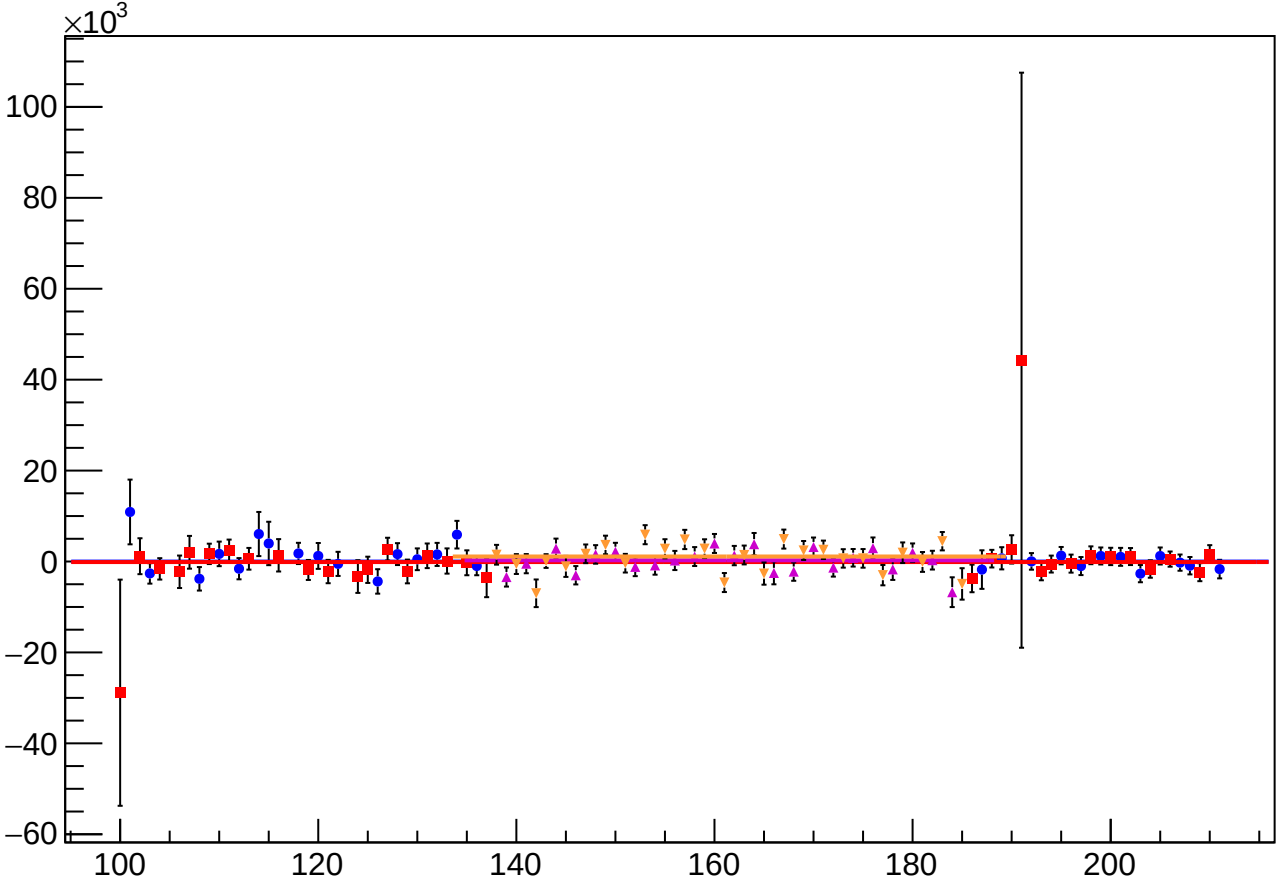
Left In: 4285.828+/-0.723 χ^2/NDF:1327963.4/22

+ sign 1326.114+/-0.244 χ^2/NDF: 41896346.7/52

All: 1429.976+/-0.184 χ^2/NDF: 83130643.8/1

- sign 1566.523+/-0.280 χ^2/NDF: 40816139.0/55

dit_asym_atr1l2_dd_mean vs Slug



Right In: -18.715+/-438.421 χ^2/NDF: 22.3/27

Left Out: 1103.308+/-425.320 χ^2/NDF:44.8/24

Right Out: -121.002+/-423.826 χ^2/NDF: 17.9/32

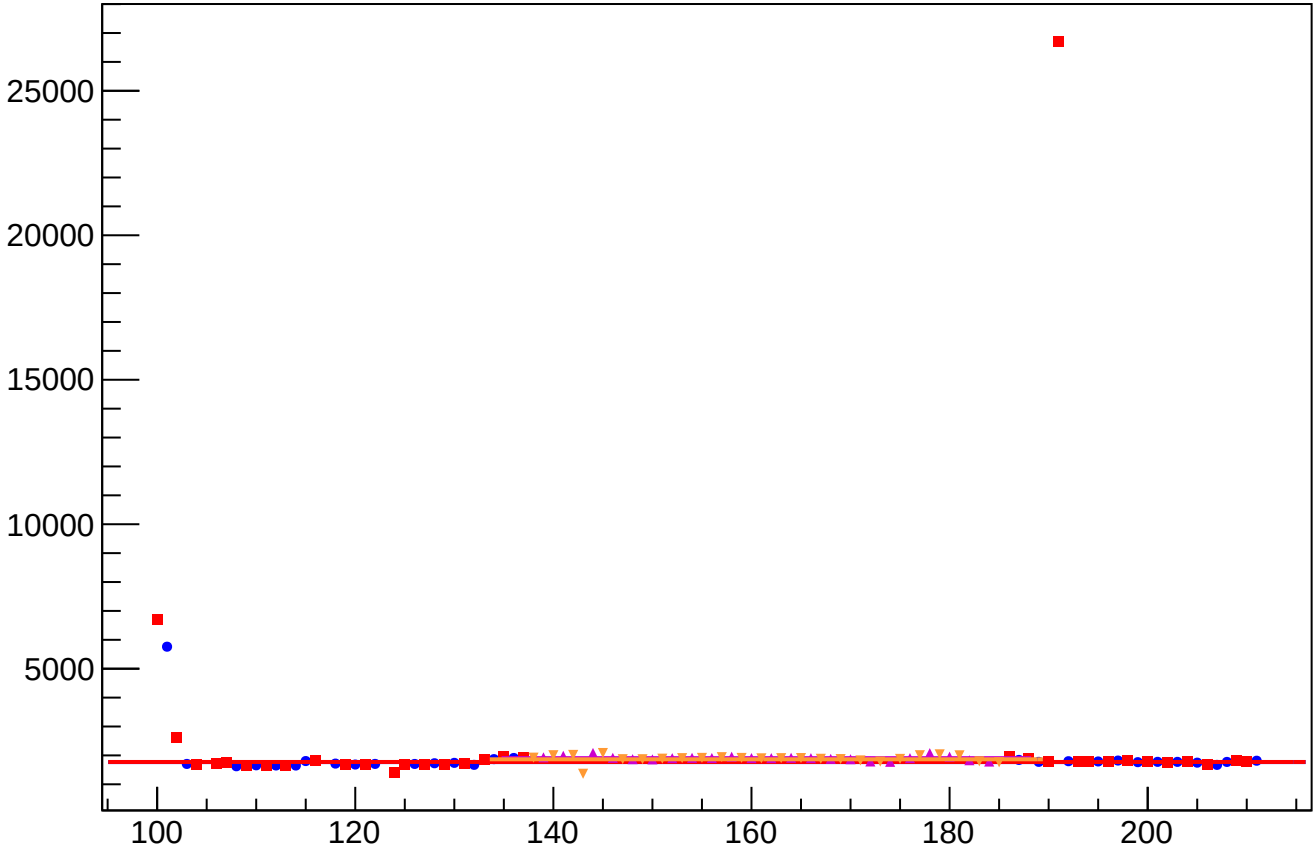
Left In: 264.609+/-445.353 χ^2/NDF:27.7/22

+ sign 559.310+/-305.273 χ^2/NDF: 70.5/52

All: 312.201+/-216.475 χ^2/NDF: 117.8/108

- sign 62.259+/-307.019 χ^2/NDF: 46.0/55

dit_asym_atr1l2_dd_rms vs Slug



Right In: 1768.539+/-0.310 χ^2/NDF: 678074.4/27

Left Out: 1864.841+/-0.301 χ^2/NDF:294712.1/24

Right Out: 1772.507+/-0.299 χ^2/NDF: 569523.1/32

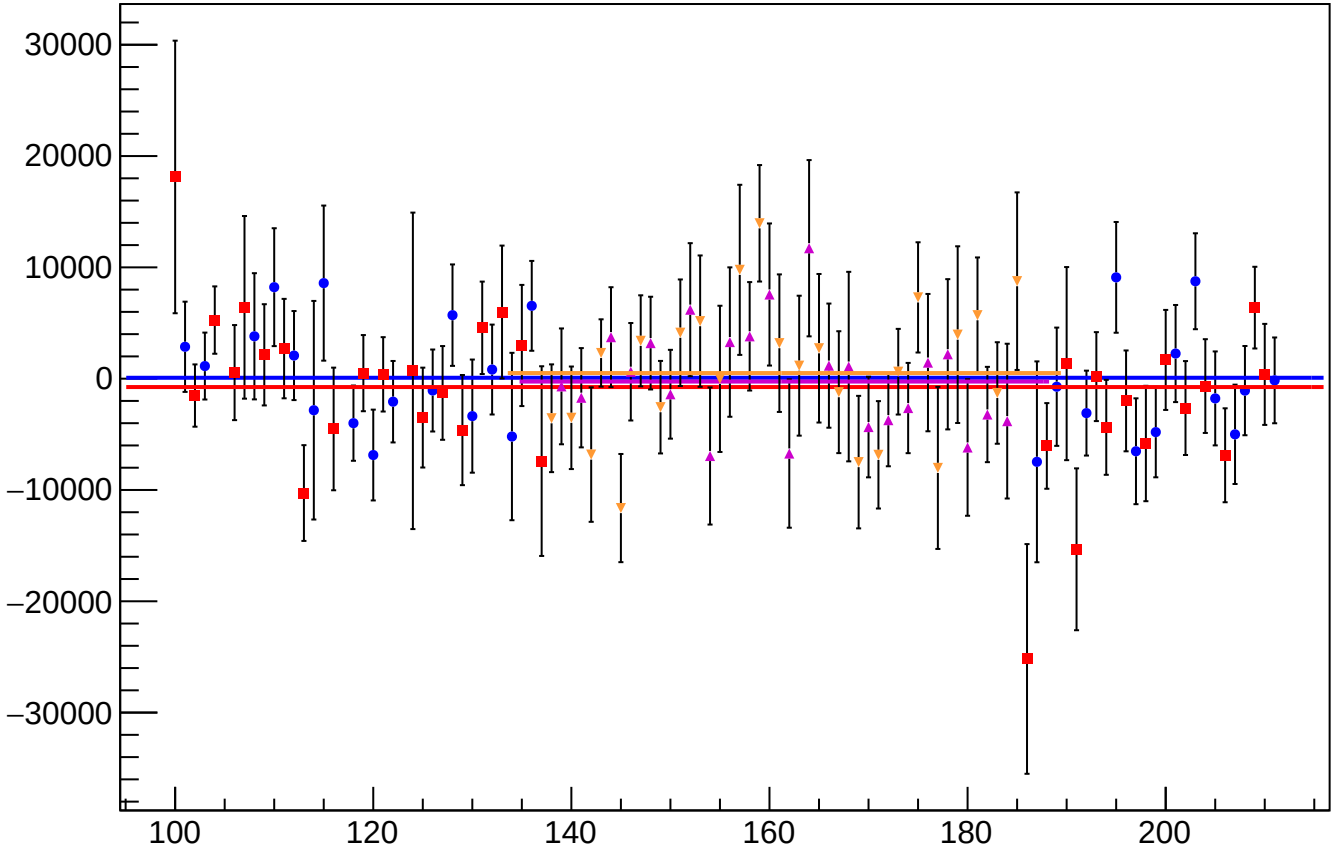
Left In: 1905.628+/-0.315 χ^2/NDF:52781.7/22

+ sign 1818.150+/-0.216 χ^2/NDF: 1022498.2/52

All: 1826.877+/-0.153 χ^2/NDF: 1741965.9/10

- sign 1835.692+/-0.217 χ^2/NDF: 716182.5/55

asym_atr1l2_dd_dit_correction_mean vs Slug



Right In: 80.906+/-827.895 χ^2/NDF: 29.0/27

Left Out: 504.261+/-1021.684 χ^2/NDF:30.1/24

Right Out: -753.847+/-787.389 χ^2/NDF: 38.7/32

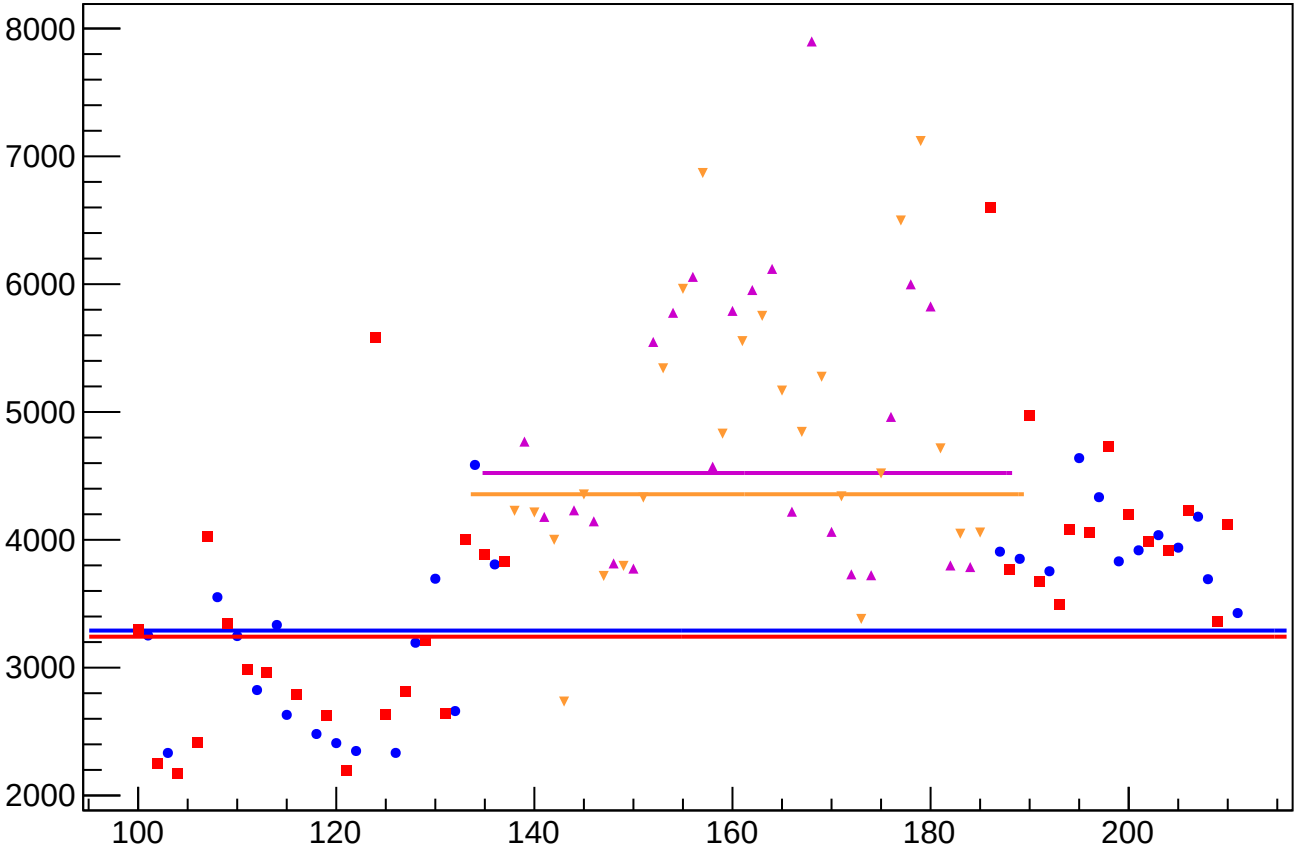
Left In: -261.050+/-1081.402 χ^2/NDF:13.6/22

+ sign 248.708+/-643.225 χ^2/NDF: 59.2/52

All: -171.548+/-452.445 χ^2/NDF: 112.5/108

- sign -583.107+/-636.534 χ^2/NDF: 52.4/55

asym_atr1l2_dd_dit_correction_rms vs Slug



Right In: 3290.177+/-0.585 χ^2/NDF: 1473260.8/27

Left Out: 4356.643+/-0.722 χ^2/NDF:1912322.9/24

Right Out: 3242.224+/-0.557 χ^2/NDF: 2152750.1/32

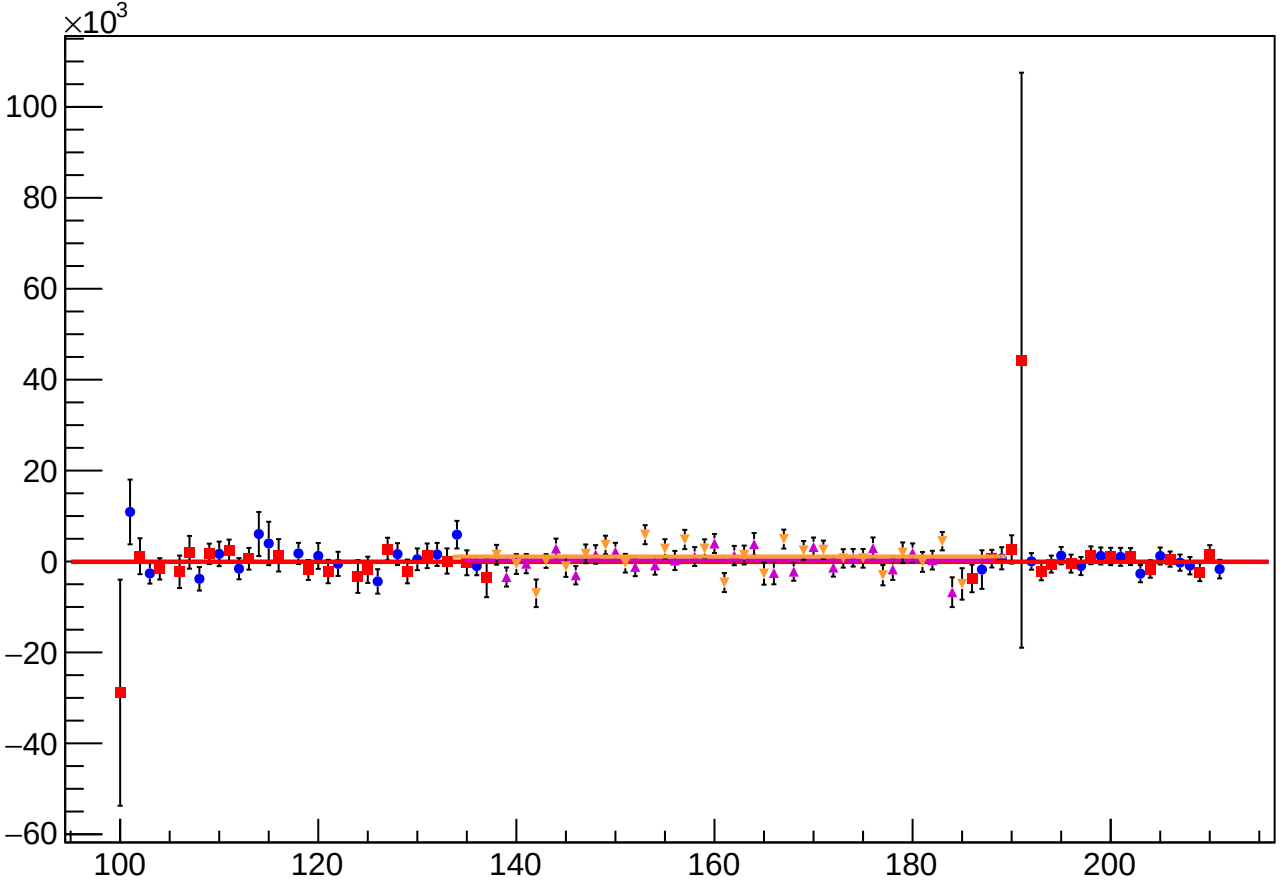
Left In: 4522.787+/-0.765 χ^2/NDF:1434008.9/22

+ sign 3712.885+/-0.455 χ^2/NDF: 4701012.3/52

All: 3699.253+/-0.320 χ^2/NDF: 10122376.1/1

- sign 3685.904+/-0.450 χ^2/NDF: 5419585.9/55

eigen_dit_asym_atr1l2_dd_mean vs Slug



Right In: -18.716+/-438.421 χ^2/NDF: 22.3/27

Left Out: 1103.310+/-425.321 χ^2/NDF:44.8/24

Right Out: -121.002+/-423.826 χ^2/NDF: 17.9/32

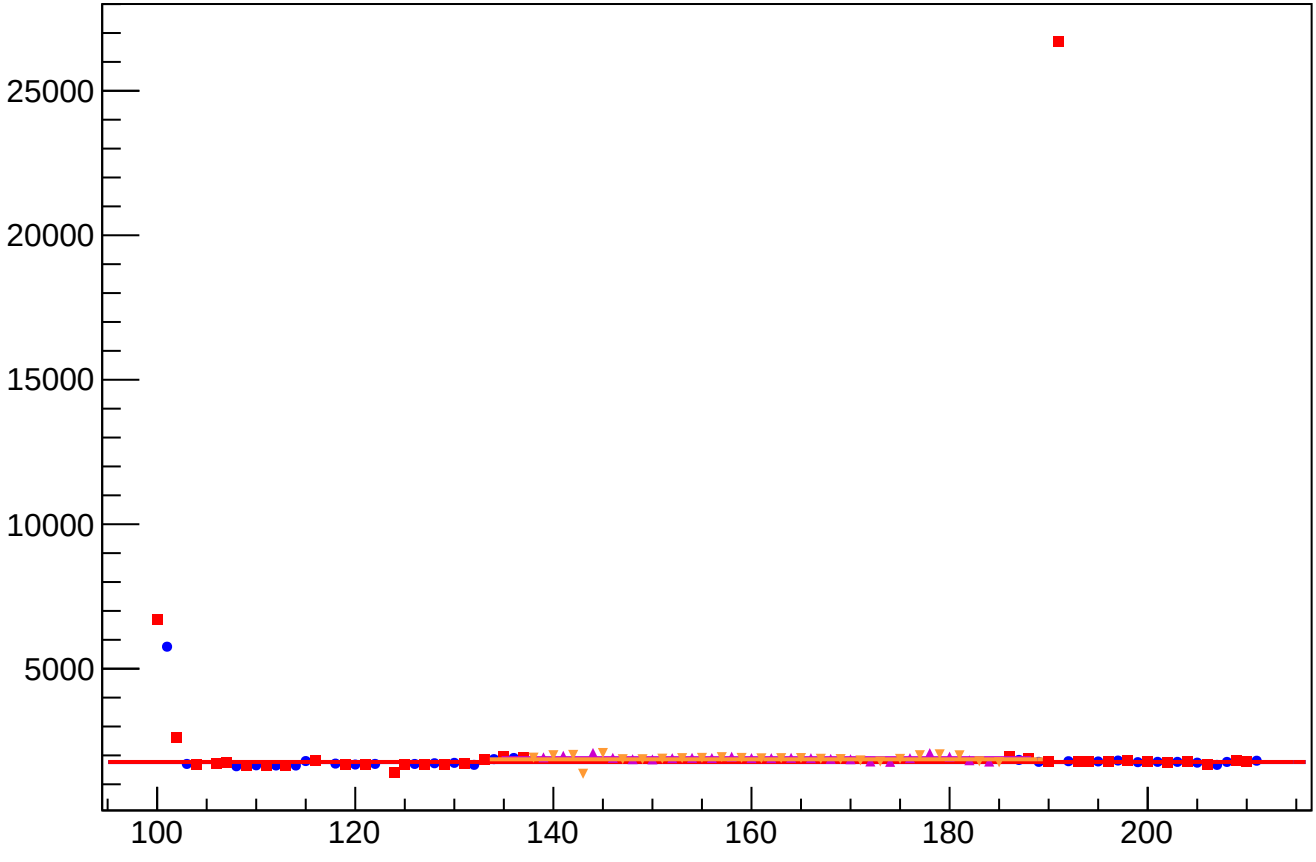
Left In: 264.609+/-445.354 χ^2/NDF:27.7/22

+ sign 559.311+/-305.273 χ^2/NDF: 70.5/52

All: 312.201+/-216.475 χ^2/NDF: 117.8/108

- sign 62.259+/-307.019 χ^2/NDF: 46.0/55

eigen_dit_asym_atr1l2_dd_rms vs Slug



Right In: 1768.539+/-0.310 χ^2/NDF: 678074.4/27

Left Out: 1864.842+/-0.301 χ^2/NDF:294715.4/24

Right Out: 1772.508+/-0.299 χ^2/NDF: 569523.1/32

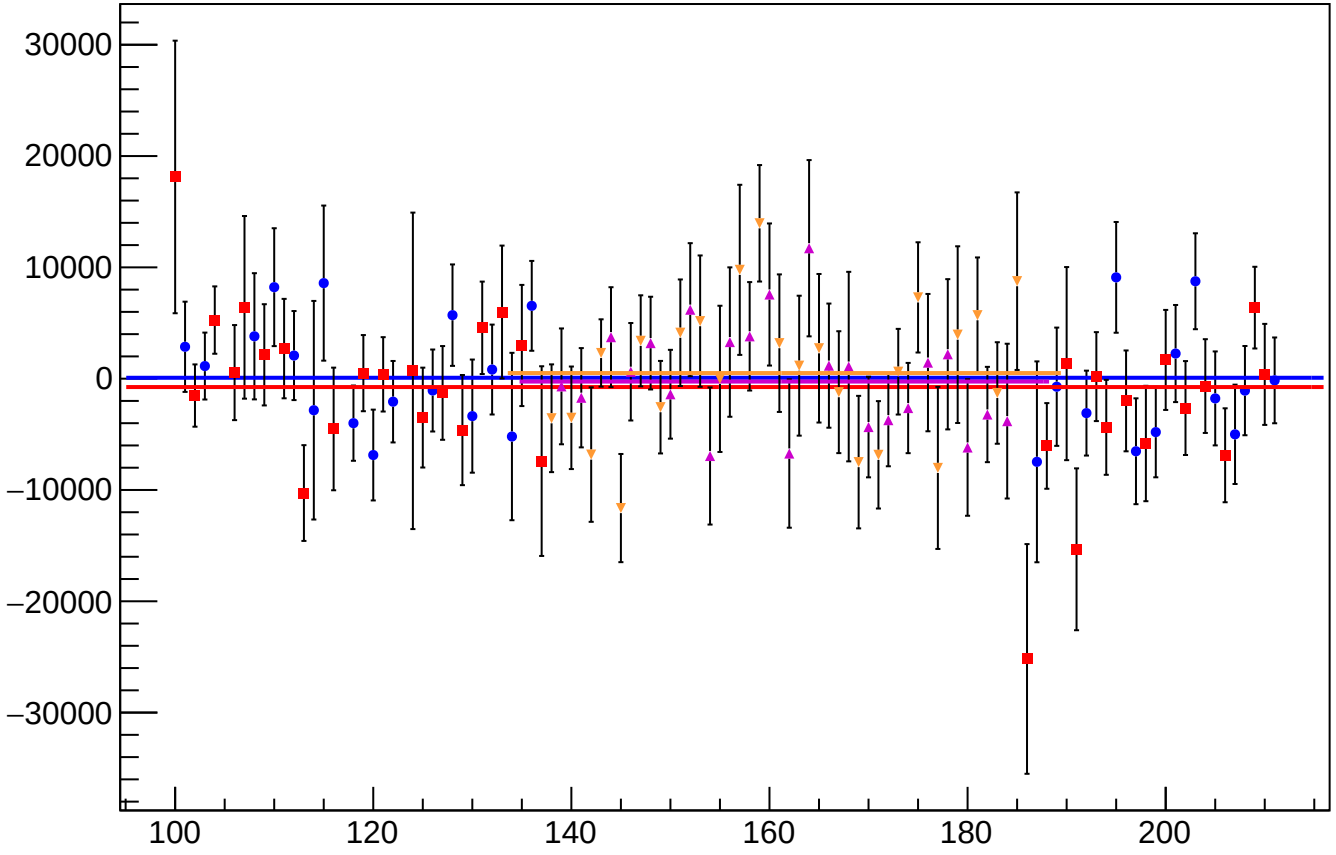
Left In: 1905.629+/-0.315 χ^2/NDF:52783.9/22

+ sign 1818.151+/-0.216 χ^2/NDF: 1022502.5/52

All: 1826.877+/-0.153 χ^2/NDF: 1741973.8/10

- sign 1835.692+/-0.217 χ^2/NDF: 716186.1/55

asym_atr1l2_dd_eigen_dit_correction_mean vs Slug



Right In: 80.904+/-827.894 χ^2/NDF: 29.0/27

Left Out: 504.265+/-1021.686 χ^2/NDF:30.1/24

Right Out: -753.843+/-787.389 χ^2/NDF: 38.7/32

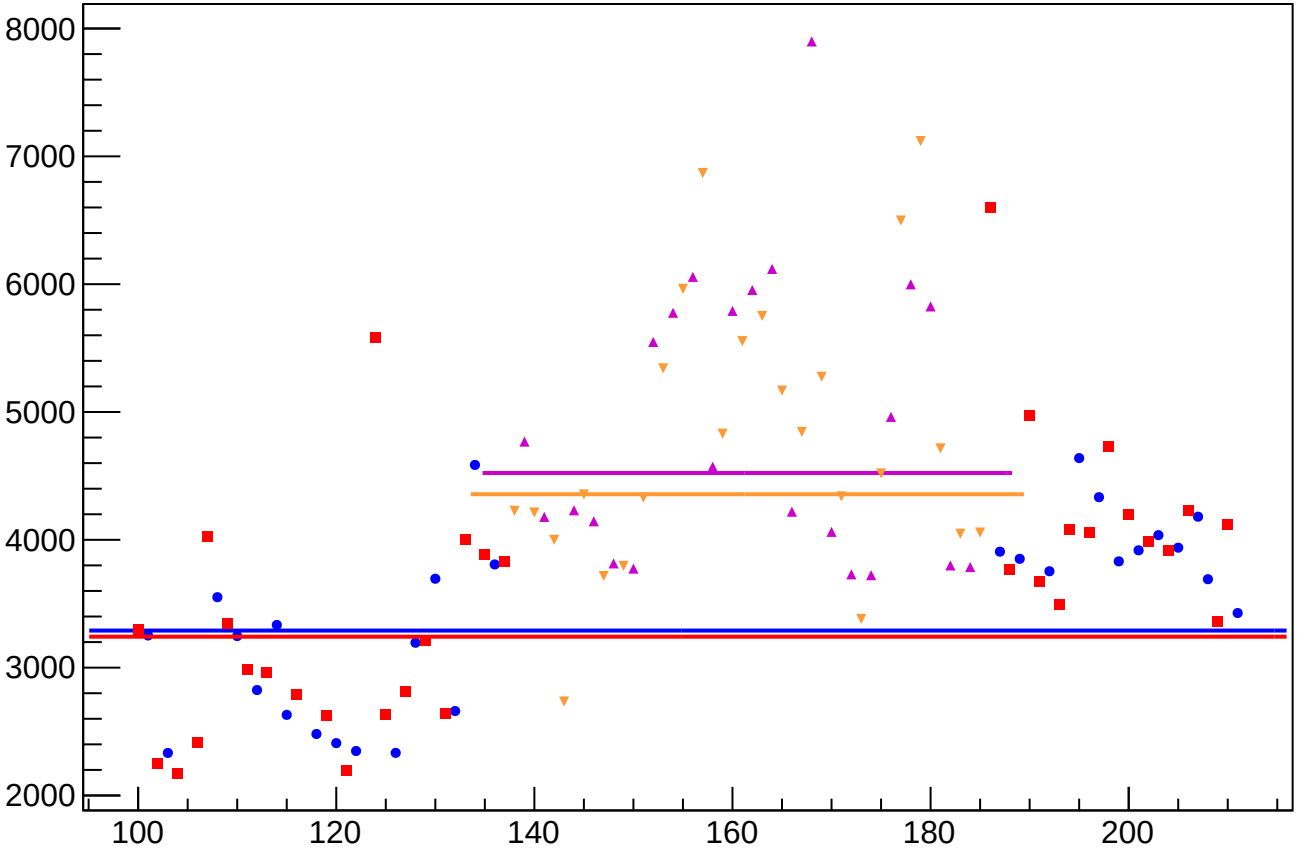
Left In: -261.051+/-1081.404 χ^2/NDF:13.6/22

+ sign 248.708+/-643.225 χ^2/NDF: 59.2/52

All: -171.548+/-452.445 χ^2/NDF: 112.5/108

- sign -583.105+/-636.534 χ^2/NDF: 52.4/55

asym_atr1l2_dd_eigen_dit_correction_rms vs Slug



Right In: 3290.174+/-0.585 χ^2/NDF: 1473289.9/27

Left Out: 4356.650+/-0.722 χ^2/NDF:1912327.4/24

Right Out: 3242.221+/-0.557 χ^2/NDF: 2152768.5/32

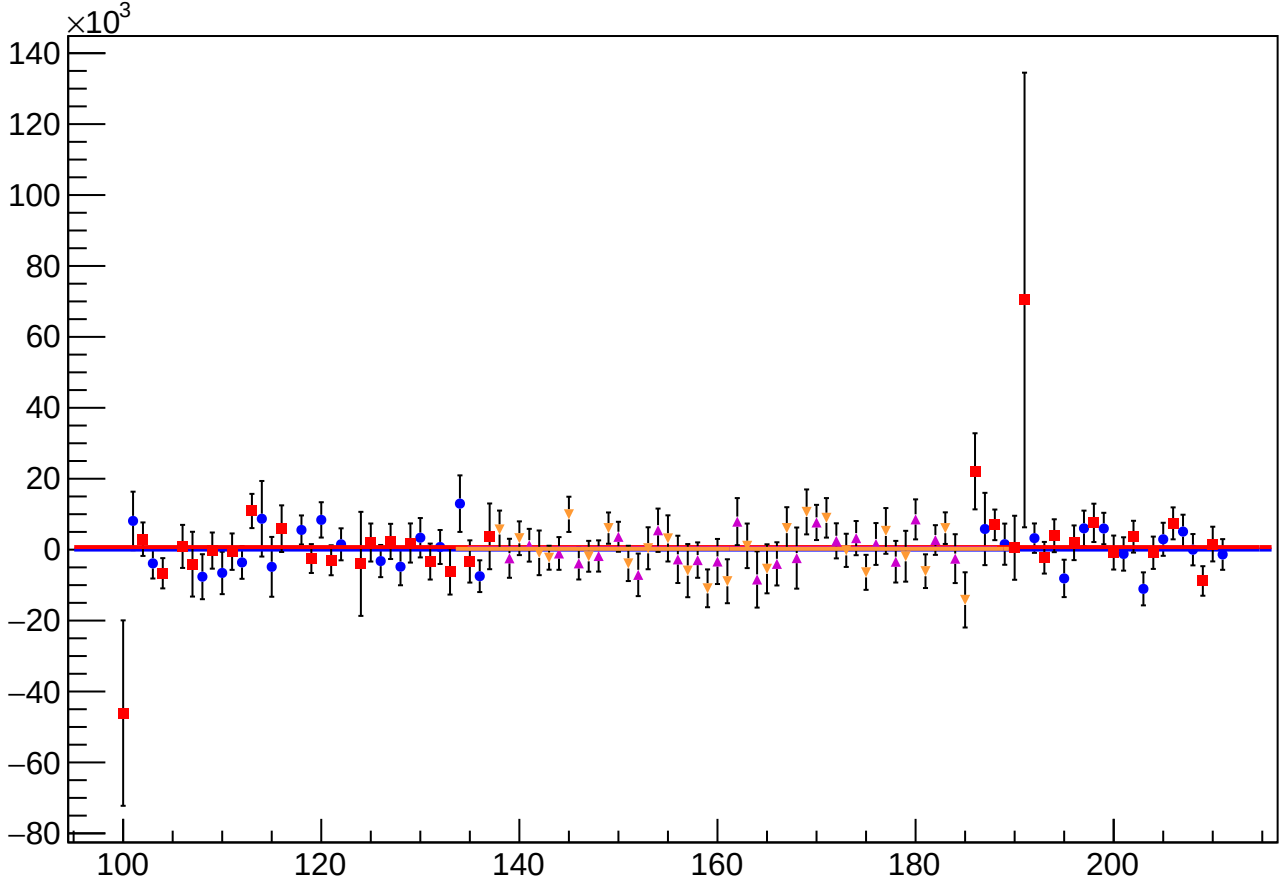
Left In: 4522.795+/-0.765 χ^2/NDF:1434009.9/22

+ sign 3712.884+/-0.455 χ^2/NDF: 4701068.7/52

All: 3699.253+/-0.320 χ^2/NDF: 10122479.7/1

- sign 3685.903+/-0.450 χ^2/NDF: 5419633.1/55

asym_atr1l2_dd_mean vs Slug



Right In: 21.444+/-963.036 χ^2/NDF: 32.0/27

Left Out: 239.929+/-1064.647 χ^2/NDF:32.2/24

Right Out: 726.325+/-931.595 χ^2/NDF: 33.9/32

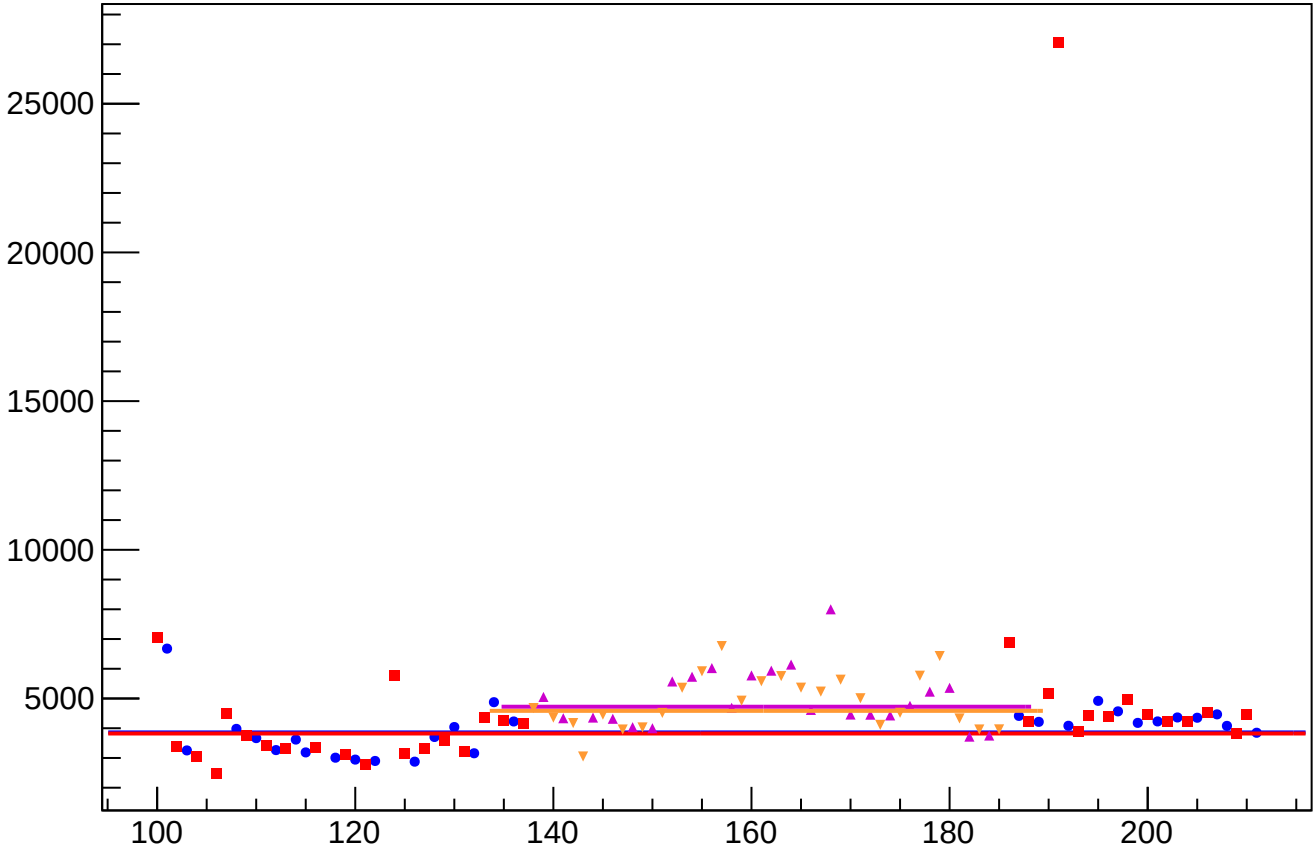
Left In: 397.881+/-1121.323 χ^2/NDF:14.2/22

\+ sign 119.765+/-714.198 χ^2/NDF: 64.2/52

All: 355.202+/-505.848 χ^2/NDF: 112.6/108

\- sign 592.201+/-716.563 χ^2/NDF: 48.2/55

asym_atr1l2_dd_rms vs Slug



Right In: 3859.429+/-0.681 χ^2/NDF: 1000597.8/27

Left Out: 4584.664+/-0.753 χ^2/NDF:1311720.7/24

Right Out: 3822.931+/-0.654 χ^2/NDF: 1449858.3/32

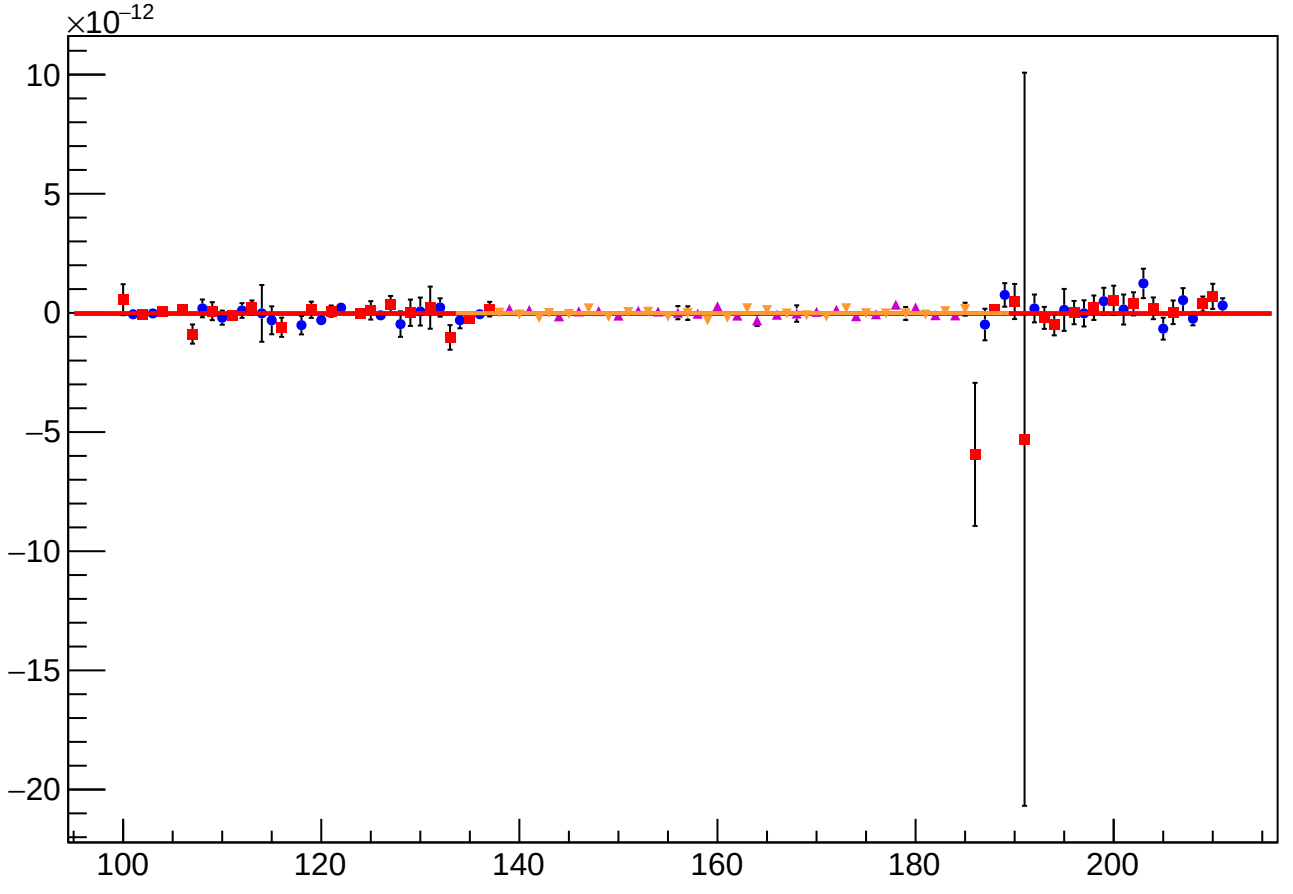
Left In: 4723.014+/-0.793 χ^2/NDF:1016613.0/22

\+ sign 4185.794+/-0.505 χ^2/NDF: 2822739.1/52

All: 4186.507+/-0.357 χ^2/NDF: 6056311.3/10

\- sign 4187.219+/-0.504 χ^2/NDF: 3233568.2/55

asym_atr1l2_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 22.1/27

Left Out: -0.000+/-0.000 χ^2/NDF:22.8/24

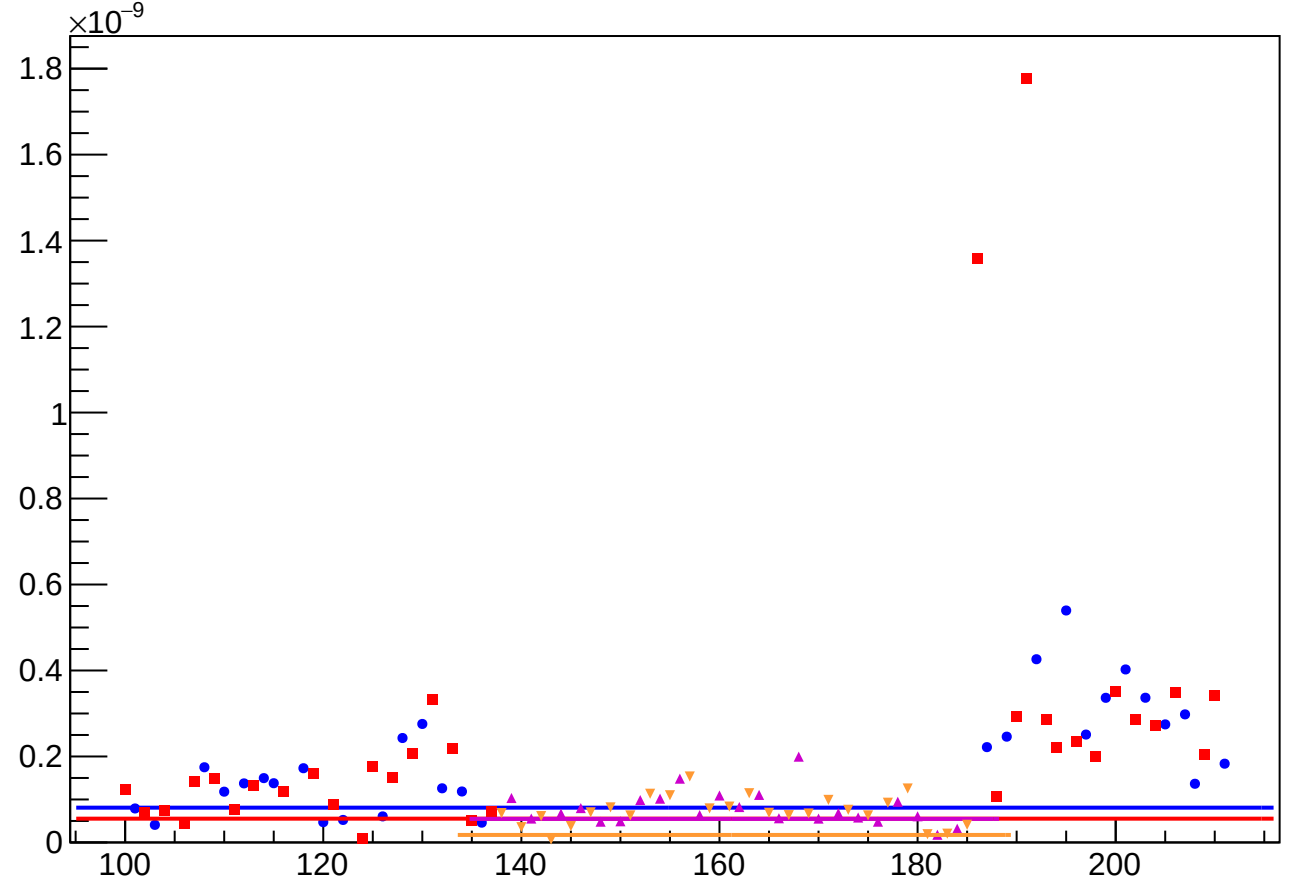
Right Out: -0.000+/-0.000 χ^2/NDF: 30.1/32

Left In: -0.000+/-0.000 χ^2/NDF:26.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 45.3/52

All: -0.000+/-0.000 χ^2/NDF: 101.4/108

- sign -0.000+/-0.000 χ^2/NDF: 56.1/55



Right In: 0.000+/-0.000 χ^2/NDF: 5805344.6/27

Left Out: 0.000+/-0.000 χ^2/NDF:8870606.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8559926.3/32

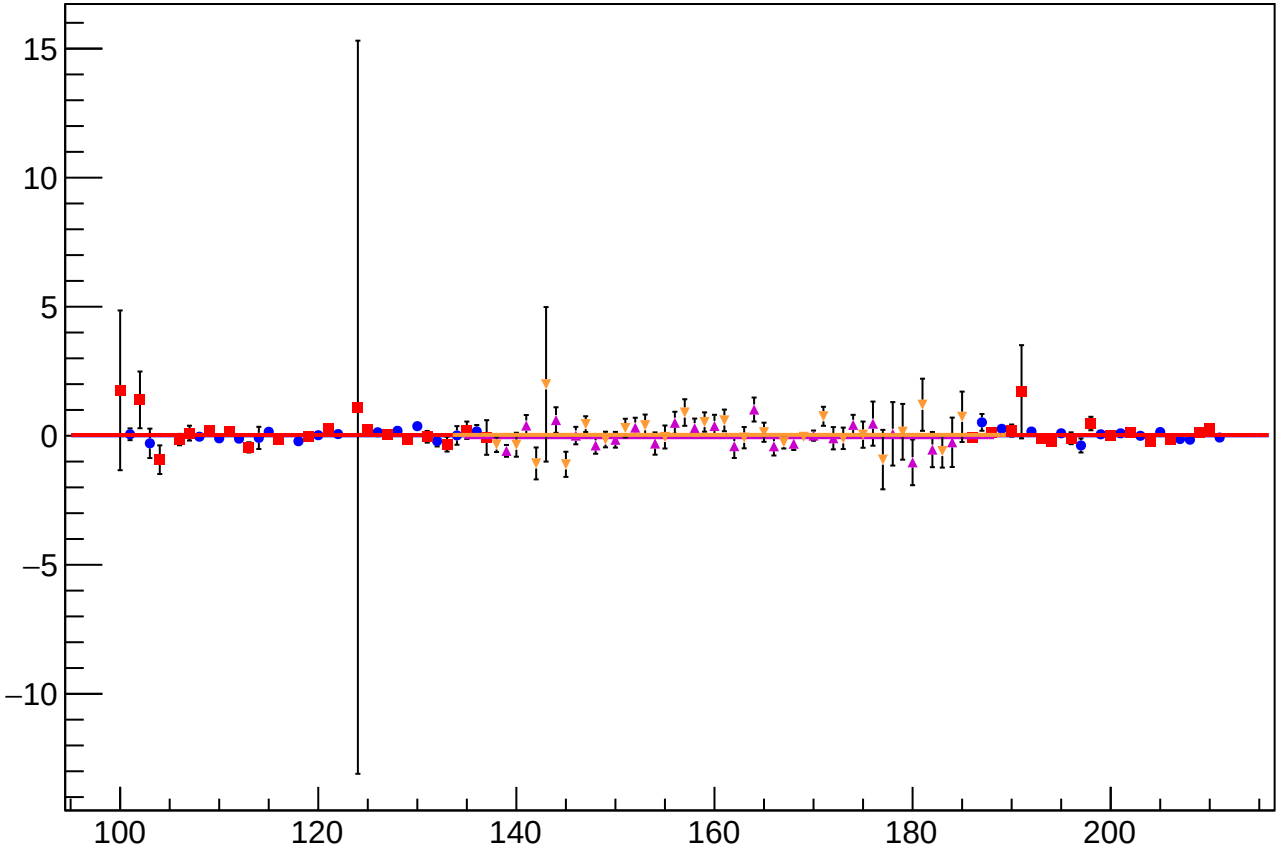
Left In: 0.000+/-0.000 χ^2/NDF:2798764.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 18885061.3/52

All: 0.000+/-0.000 χ^2/NDF: 34637746.3/108

- sign 0.000+/-0.000 χ^2/NDF: 11359043.9/55

asym_atr1l2_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.016+/-0.033 χ^2/NDF: 24.5/27

Left Out: 0.034+/-0.078 χ^2/NDF:30.5/24

Right Out: 0.030+/-0.030 χ^2/NDF: 40.8/32

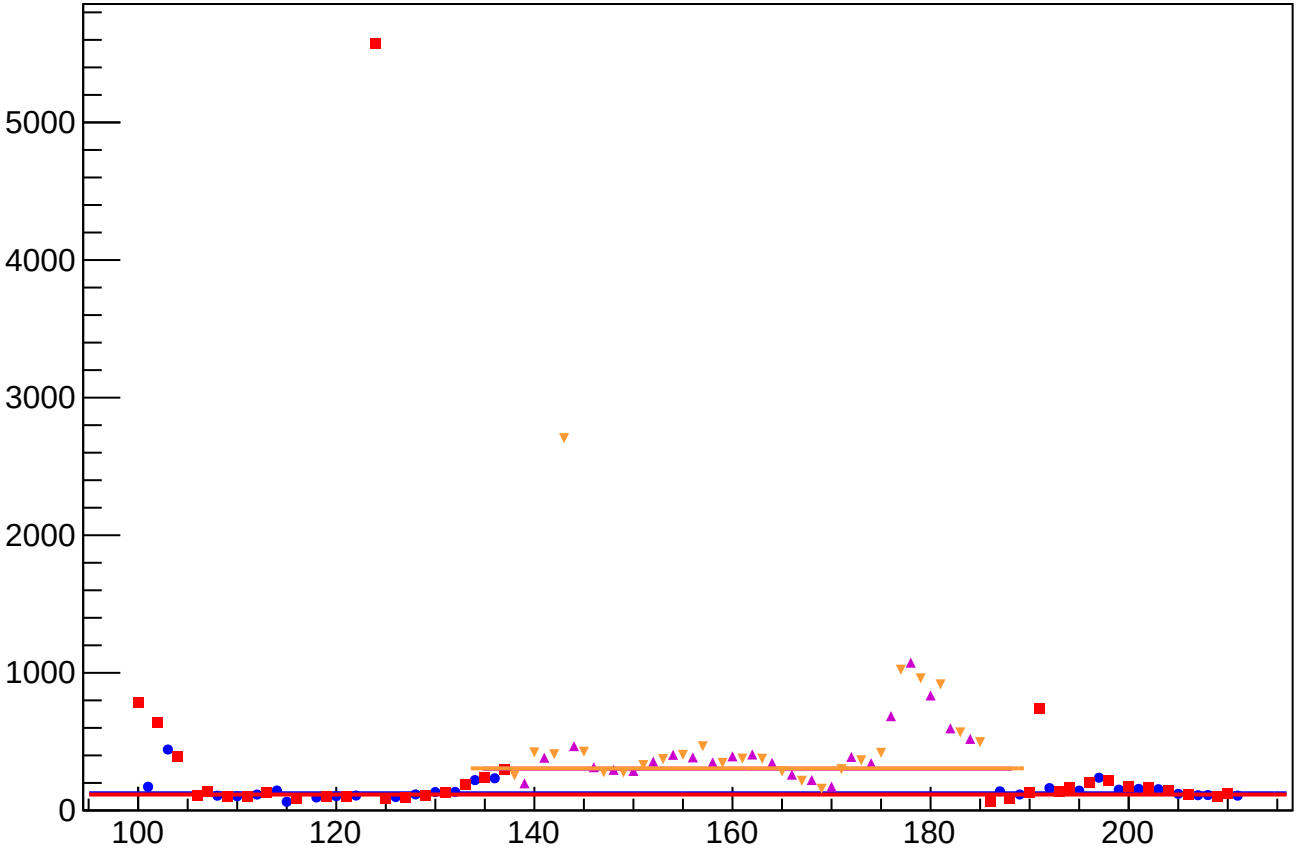
Left In: -0.056+/-0.077 χ^2/NDF:26.1/22

+ sign 0.019+/-0.030 χ^2/NDF: 55.0/52

All: 0.019+/-0.021 χ^2/NDF: 123.0/108

- sign 0.018+/-0.028 χ^2/NDF: 67.9/55

asym_atr1l2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 124.943+/-0.023 χ^2/NDF: 2511300.3/27

Left Out: 305.950+/-0.055 χ^2/NDF:6634928.0/24

Right Out: 115.737+/-0.022 χ^2/NDF: 4409547.9/32

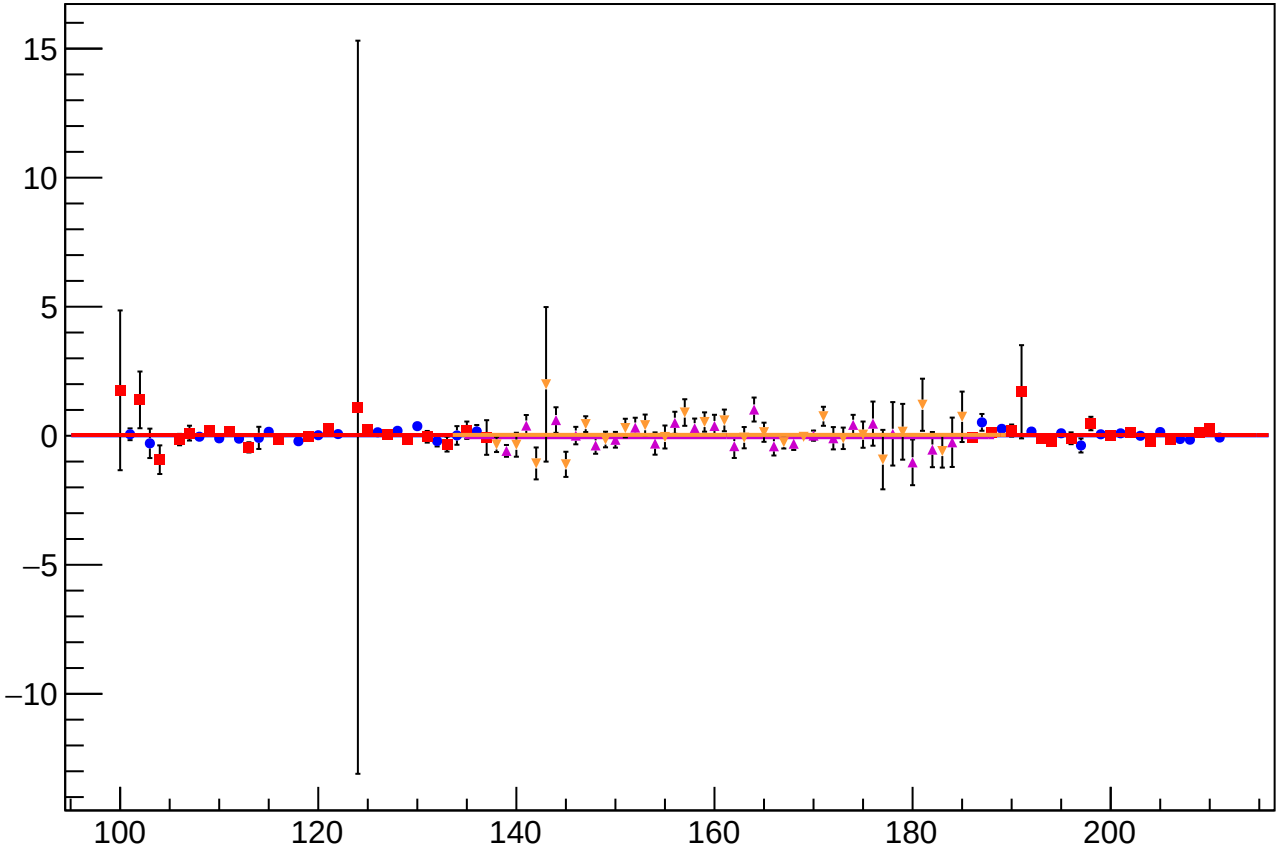
Left In: 303.278+/-0.055 χ^2/NDF:4813442.3/22

+ sign 152.201+/-0.021 χ^2/NDF: 18309483.1/52

All: 146.199+/-0.015 χ^2/NDF: 37869657.2/10

- sign 140.932+/-0.020 χ^2/NDF: 19412288.7/55

asym_atr1l2_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.016+/-0.033 χ^2/NDF: 24.5/27

Left Out: 0.034+/-0.078 χ^2/NDF:30.5/24

Right Out: 0.030+/-0.030 χ^2/NDF: 40.8/32

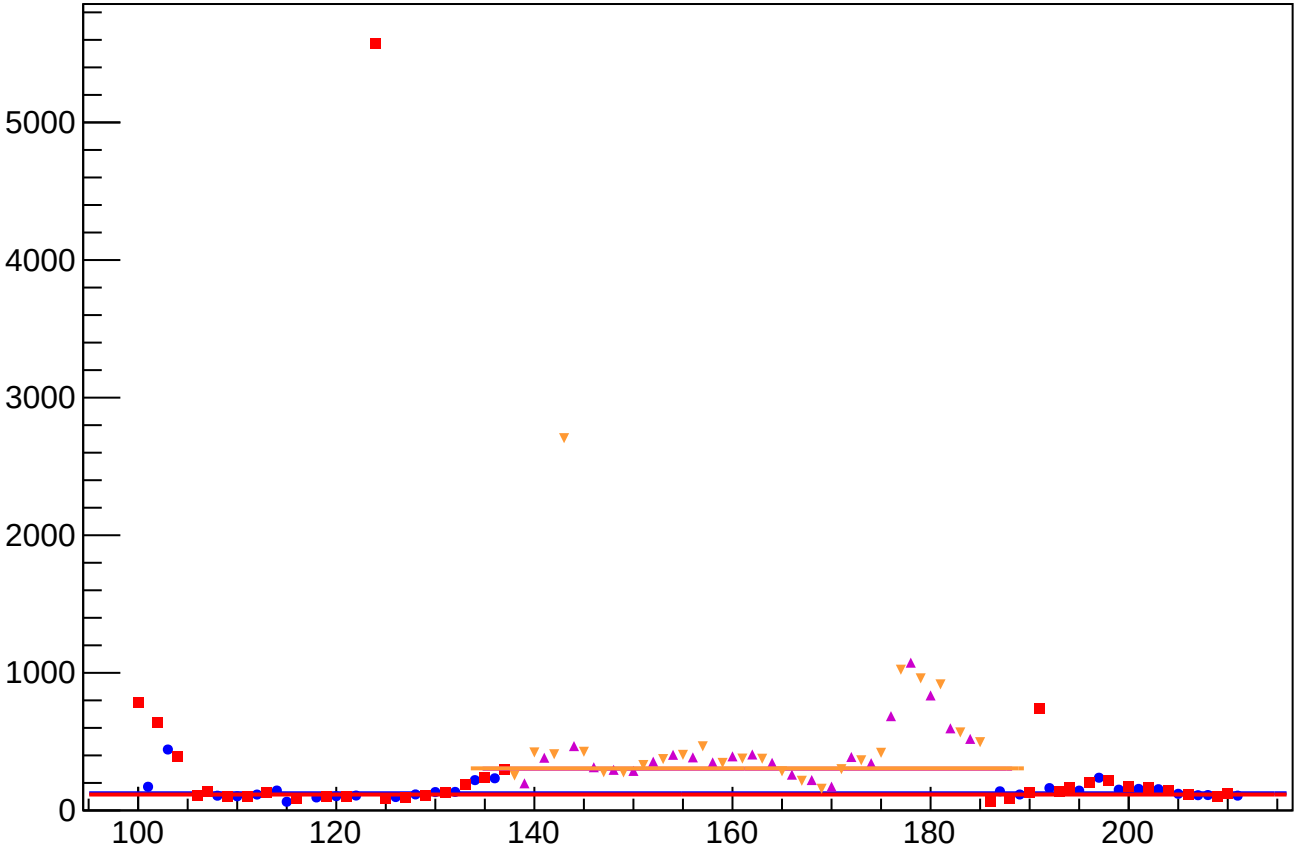
Left In: -0.056+/-0.077 χ^2/NDF:26.1/22

+ sign 0.019+/-0.030 χ^2/NDF: 55.0/52

All: 0.019+/-0.021 χ^2/NDF: 123.0/108

- sign 0.018+/-0.028 χ^2/NDF: 67.9/55

asym_atr1l2_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 124.943+/-0.023 χ^2/NDF: 2511300.3/27

Left Out: 305.950+/-0.055 χ^2/NDF:6634928.0/24

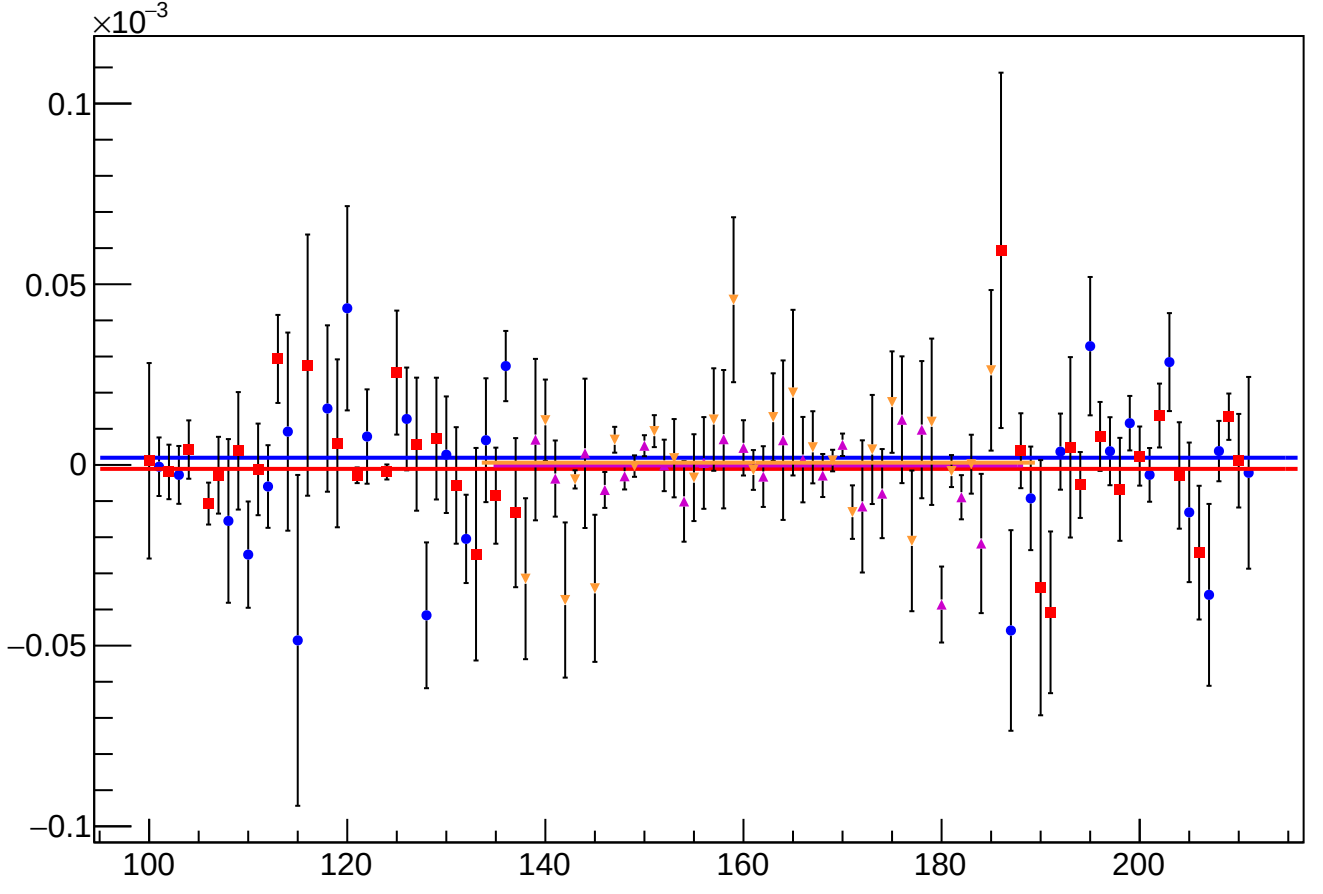
Right Out: 115.737+/-0.022 χ^2/NDF: 4409547.9/32

Left In: 303.278+/-0.055 χ^2/NDF:4813442.3/22

+ sign 152.201+/-0.021 χ^2/NDF: 18309483.1/52

All: 146.199+/-0.015 χ^2/NDF: 37869657.2/10

- sign 140.932+/-0.020 χ^2/NDF: 19412288.7/55



Right In: 0.000+/-0.000 χ^2/NDF: 39.4/27

Left Out: 0.000+/-0.000 χ^2/NDF:34.6/24

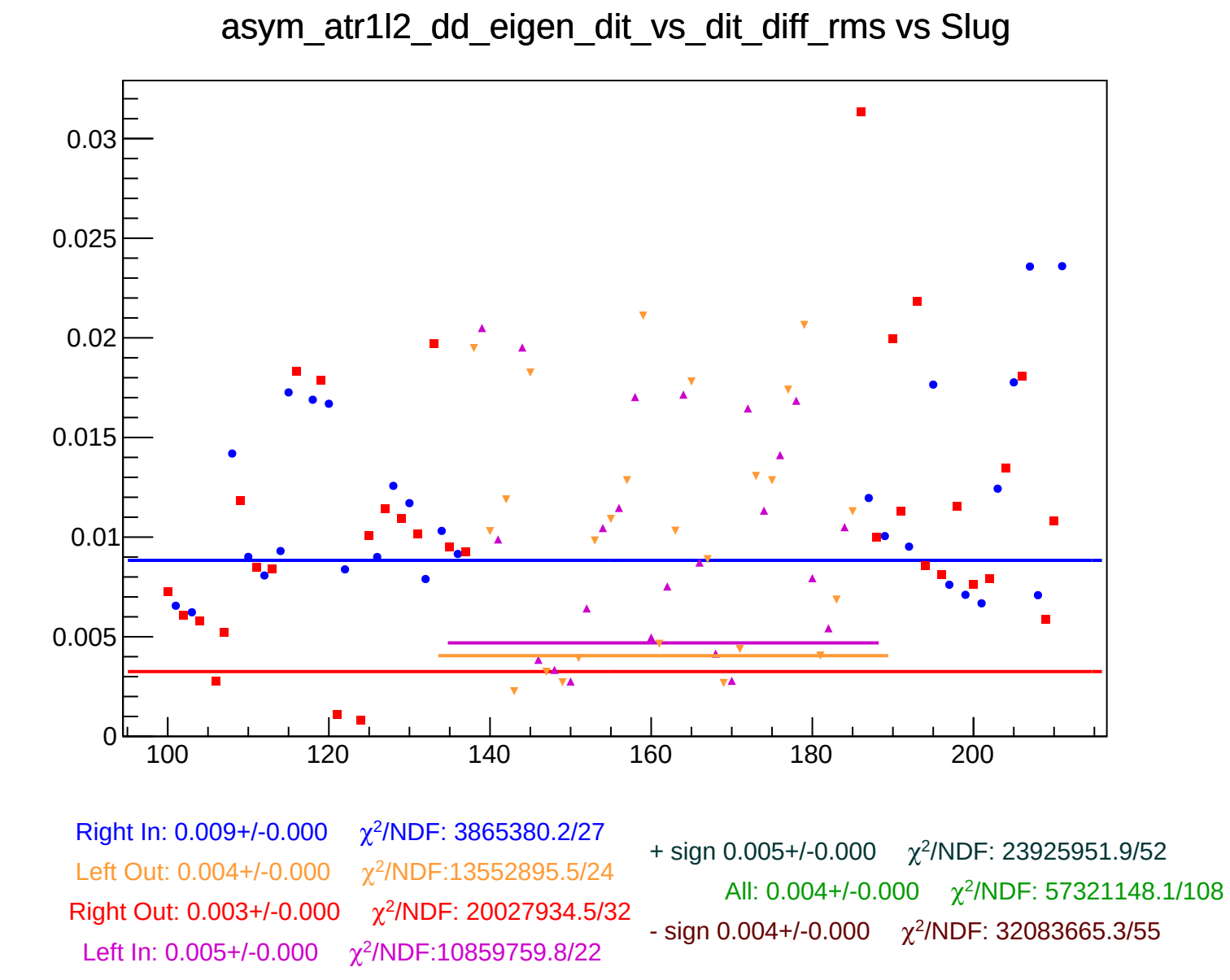
Right Out: -0.000+/-0.000 χ^2/NDF: 32.1/32

Left In: -0.000+/-0.000 χ^2/NDF:29.8/22

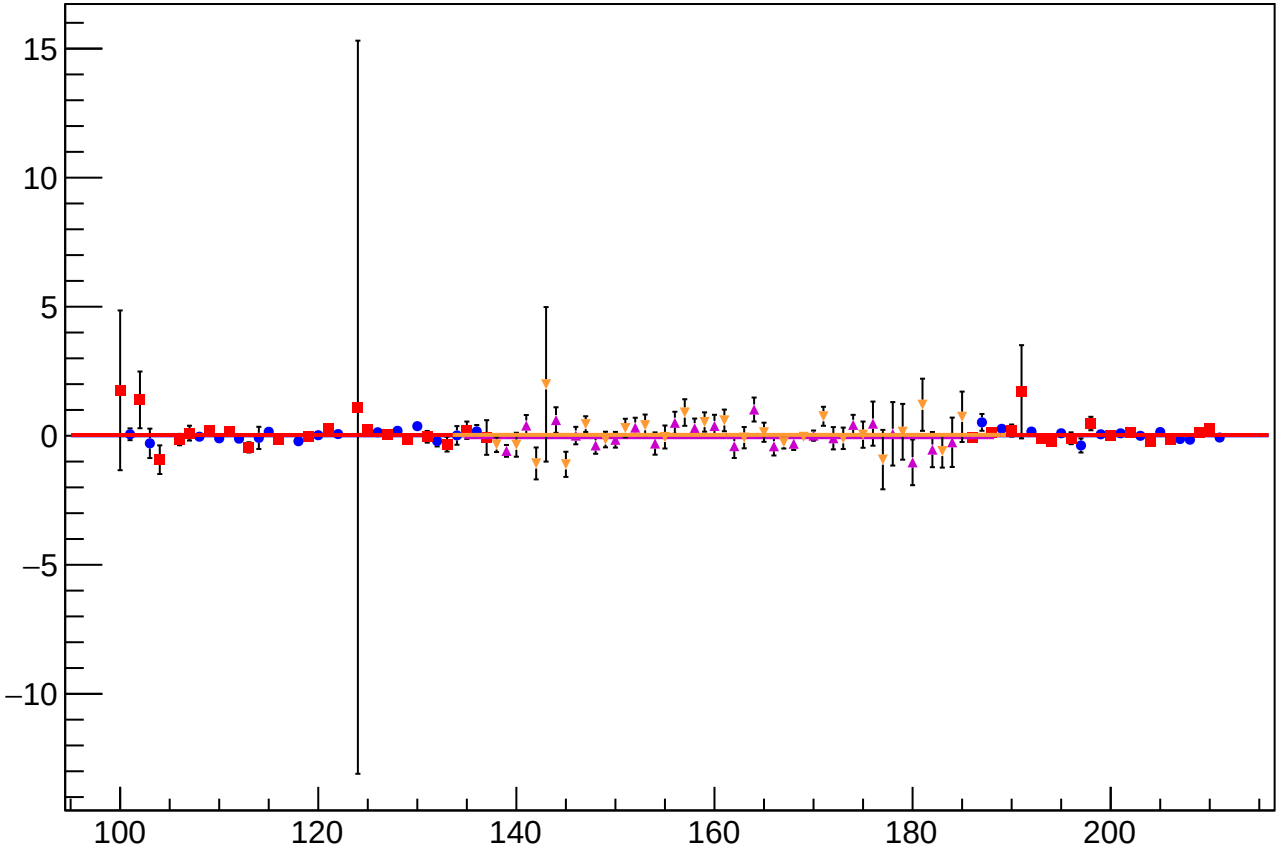
+ sign 0.000+/-0.000 χ^2/NDF: 74.3/52

All: -0.000+/-0.000 χ^2/NDF: 137.7/108

- sign -0.000+/-0.000 χ^2/NDF: 62.2/55


asym_atr1l2_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.03
0.025
0.02
0.015
0.01
0.005
0
100
120
140
160
180
200
Right In: 0.009+/-0.000 χ²/NDF: 3865380.2/27
Left Out: 0.004+/-0.000 χ²/NDF:13552895.5/24
Right Out: 0.003+/-0.000 χ²/NDF: 20027934.5/32
Left In: 0.005+/-0.000 χ²/NDF:10859759.8/22
+ sign 0.005+/-0.000 χ²/NDF: 23925951.9/52
All: 0.004+/-0.000 χ²/NDF: 57321148.1/108
- sign 0.004+/-0.000 χ²/NDF: 32083665.3/55

asym_atr1l2_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.016+/-0.033 χ^2/NDF: 24.5/27

Left Out: 0.034+/-0.078 χ^2/NDF:30.5/24

Right Out: 0.030+/-0.030 χ^2/NDF: 40.8/32

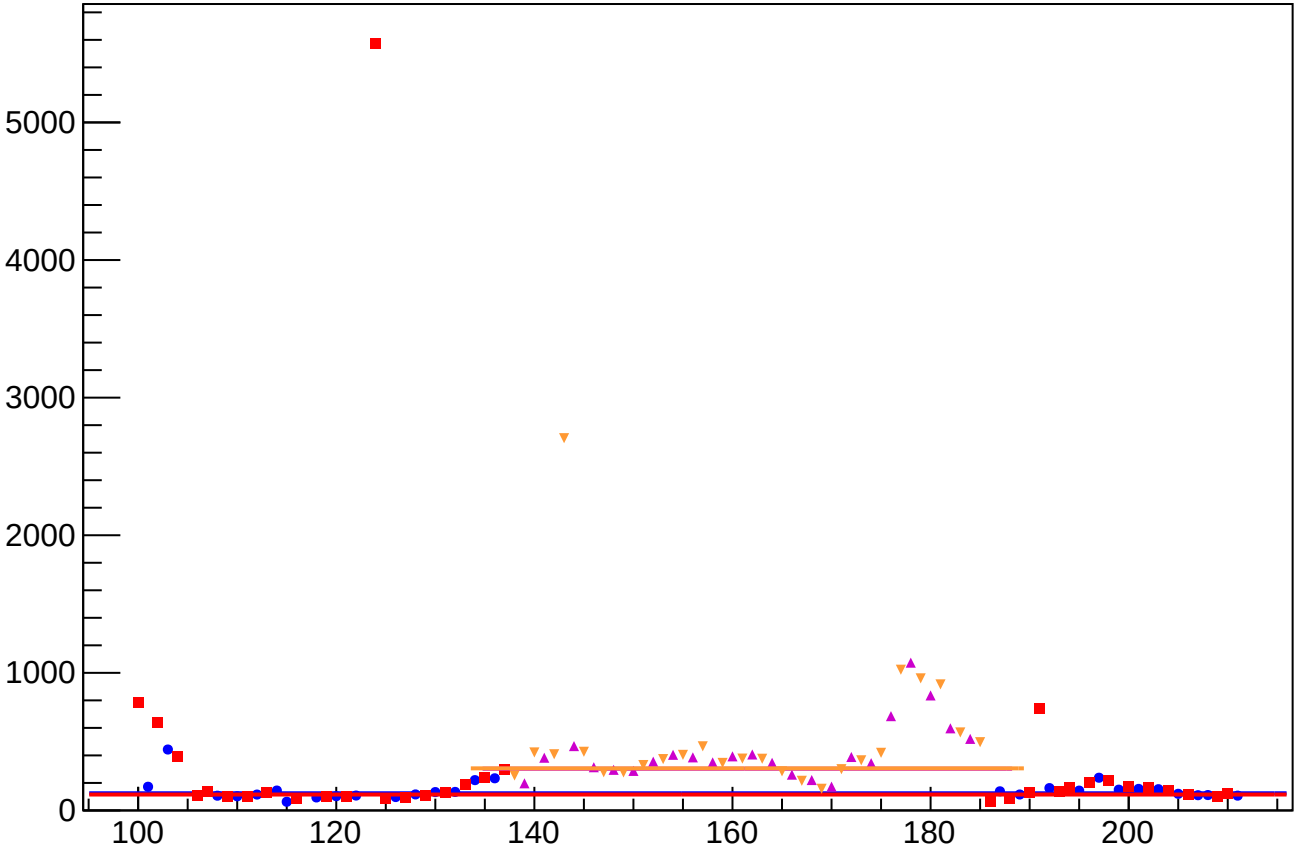
Left In: -0.056+/-0.077 χ^2/NDF:26.0/22

+ sign 0.019+/-0.030 χ^2/NDF: 55.0/52

All: 0.019+/-0.021 χ^2/NDF: 123.0/108

- sign 0.018+/-0.028 χ^2/NDF: 67.9/55

asym_atr1l2_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 124.944+/-0.023 χ^2/NDF: 2511252.1/27

Left Out: 305.951+/-0.055 χ^2/NDF:6634999.6/24

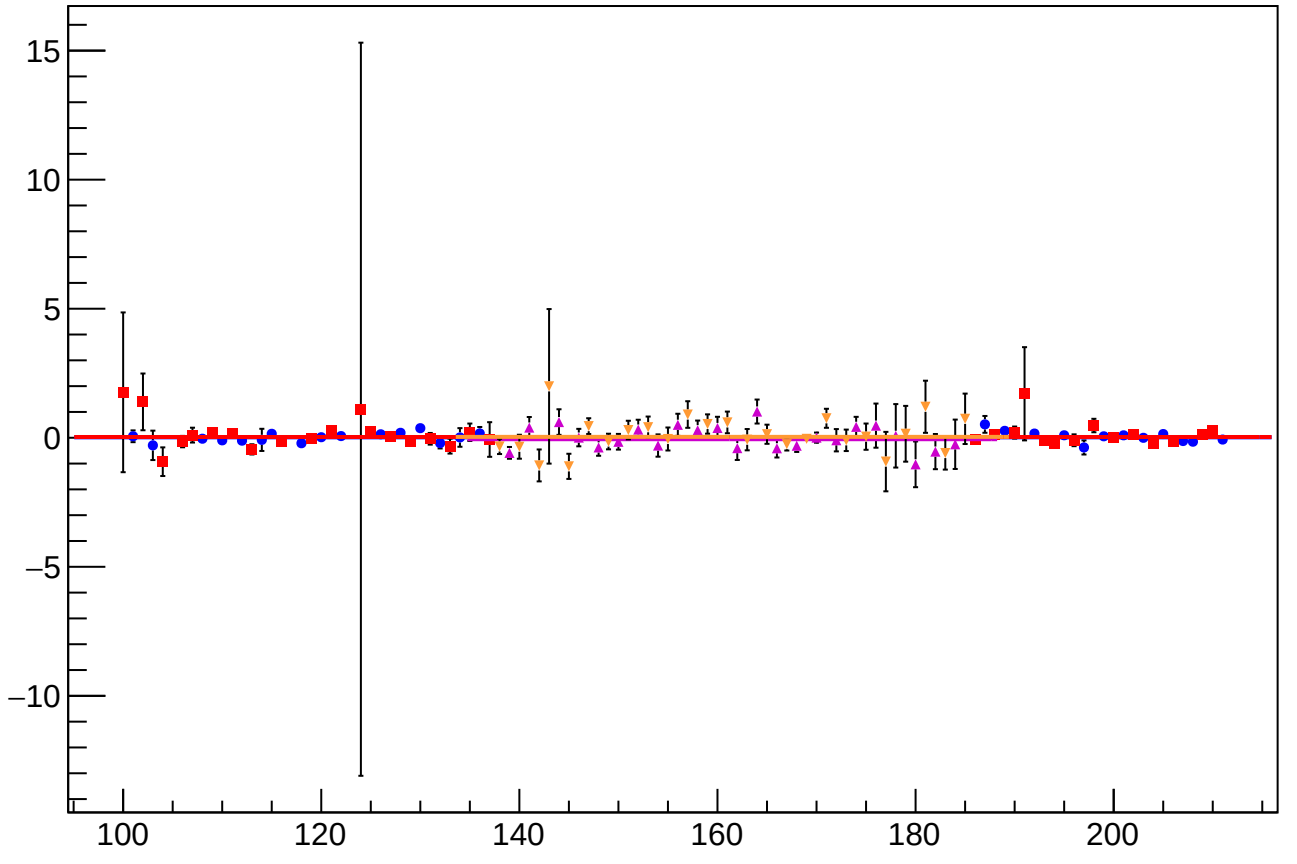
Right Out: 115.738+/-0.022 χ^2/NDF: 4409380.2/32

Left In: 303.281+/-0.055 χ^2/NDF:4813426.5/22

+ sign 152.202+/-0.021 χ^2/NDF: 18309442.0/52

All: 146.201+/-0.015 χ^2/NDF: 37869461.1/10

- sign 140.933+/-0.020 χ^2/NDF: 19412130.4/55



Right In: 0.016+/-0.033 χ^2/NDF: 24.5/27

Left Out: 0.034+/-0.078 χ^2/NDF:30.5/24

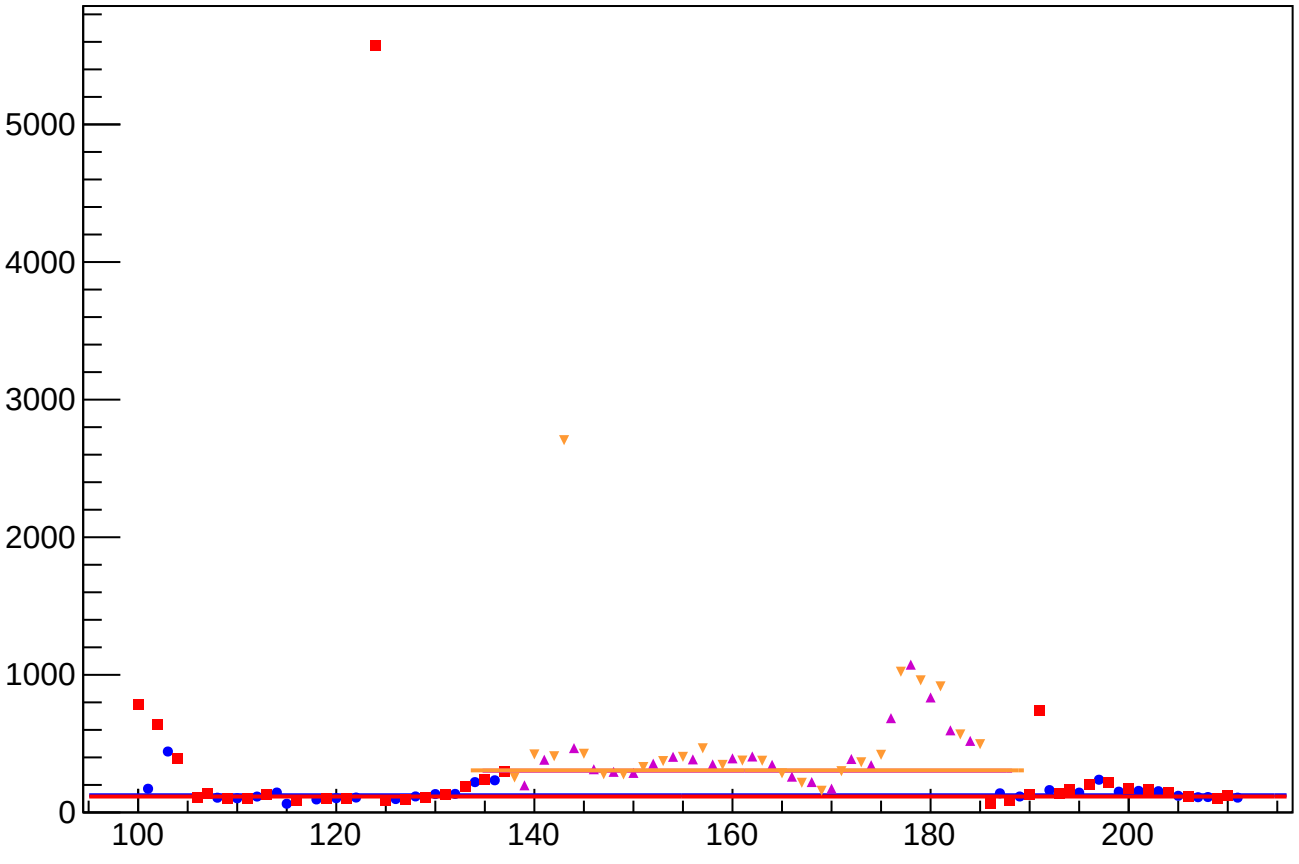
Right Out: 0.030+/-0.030 χ^2/NDF: 40.8/32

Left In: -0.056+/-0.077 χ^2/NDF:26.0/22

+ sign 0.019+/-0.030 χ^2/NDF: 55.0/52

All: 0.019+/-0.021 χ^2/NDF: 123.0/108

- sign 0.018+/-0.028 χ^2/NDF: 67.9/55



Right In: 124.944+/-0.023 χ^2/NDF: 2511252.1/27

Left Out: 305.951+/-0.055 χ^2/NDF:6634999.6/24

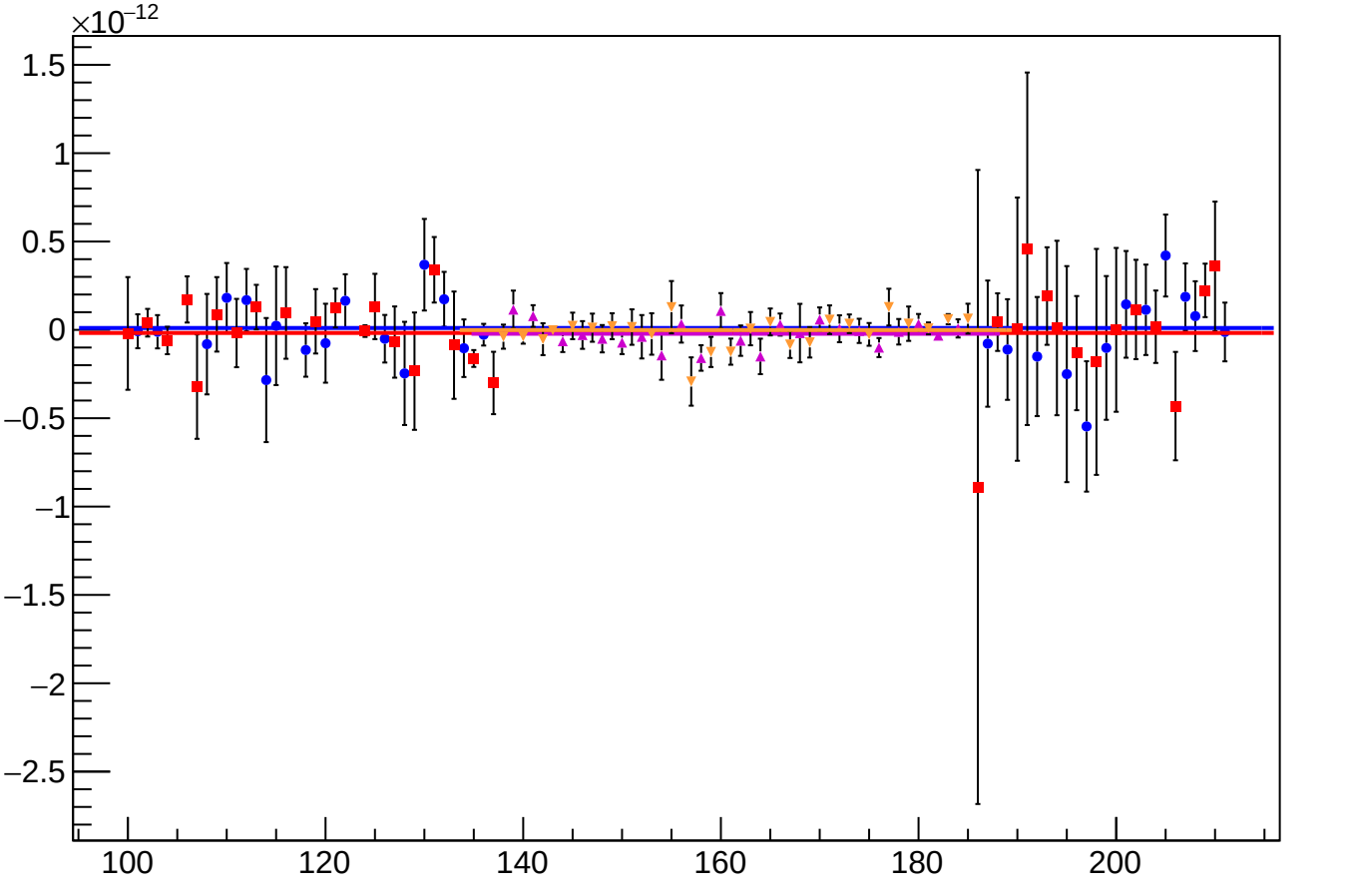
Right Out: 115.738+/-0.022 χ^2/NDF: 4409380.2/32

Left In: 303.281+/-0.055 χ^2/NDF:4813426.5/22

+ sign 152.202+/-0.021 χ^2/NDF: 18309442.0/52

All: 146.201+/-0.015 χ^2/NDF: 37869461.1/10

- sign 140.933+/-0.020 χ^2/NDF: 19412130.4/55



Right In: 0.000+/-0.000 χ^2/NDF: 16.7/27

Left Out: -0.000+/-0.000 χ^2/NDF:22.0/24

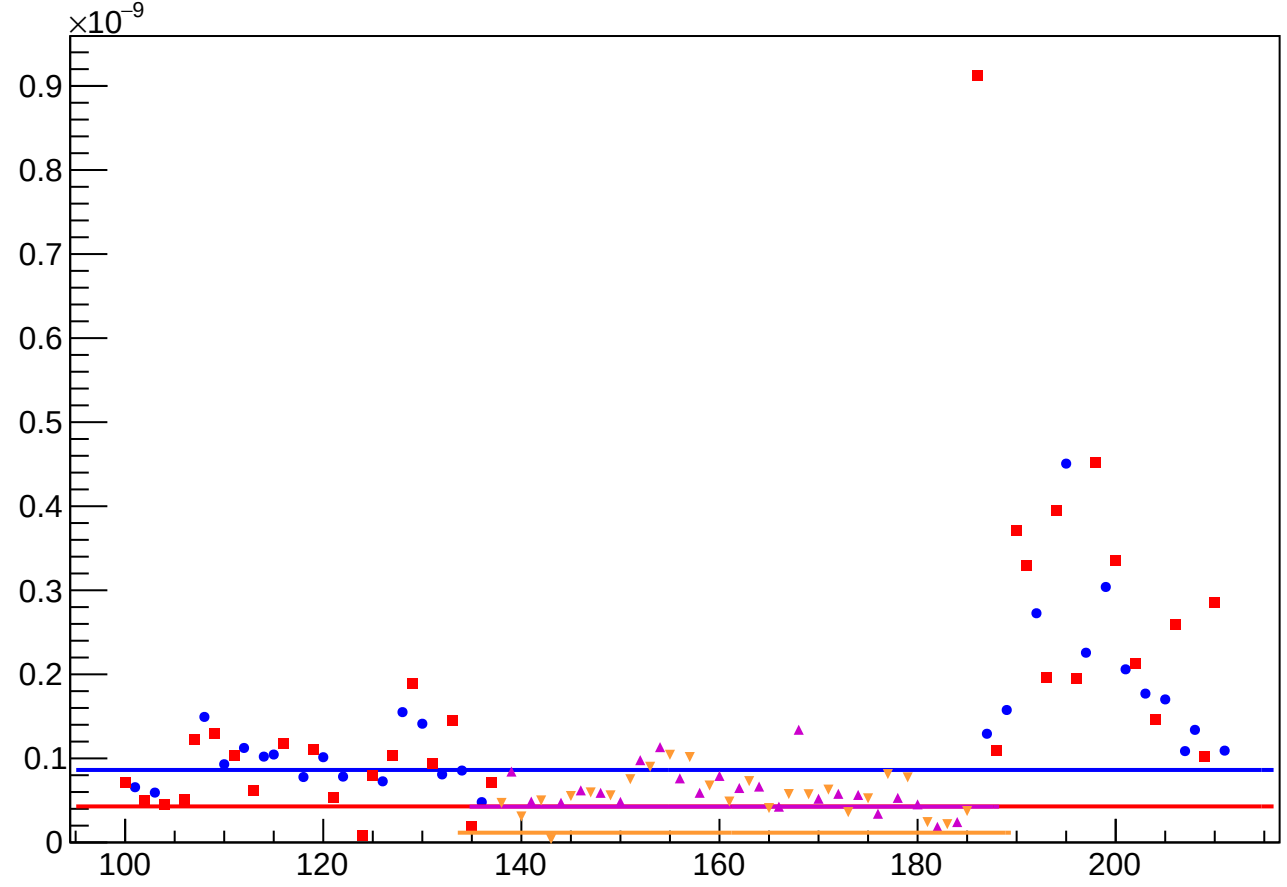
Right Out: -0.000+/-0.000 χ^2/NDF: 31.4/32

Left In: -0.000+/-0.000 χ^2/NDF:19.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 38.8/52

All: -0.000+/-0.000 χ^2/NDF: 92.4/108

- sign -0.000+/-0.000 χ^2/NDF: 50.9/55



Right In: 0.000+/-0.000 χ^2/NDF: 4779879.3/27

Left Out: 0.000+/-0.000 χ^2/NDF:17863822.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 13394322.9/32

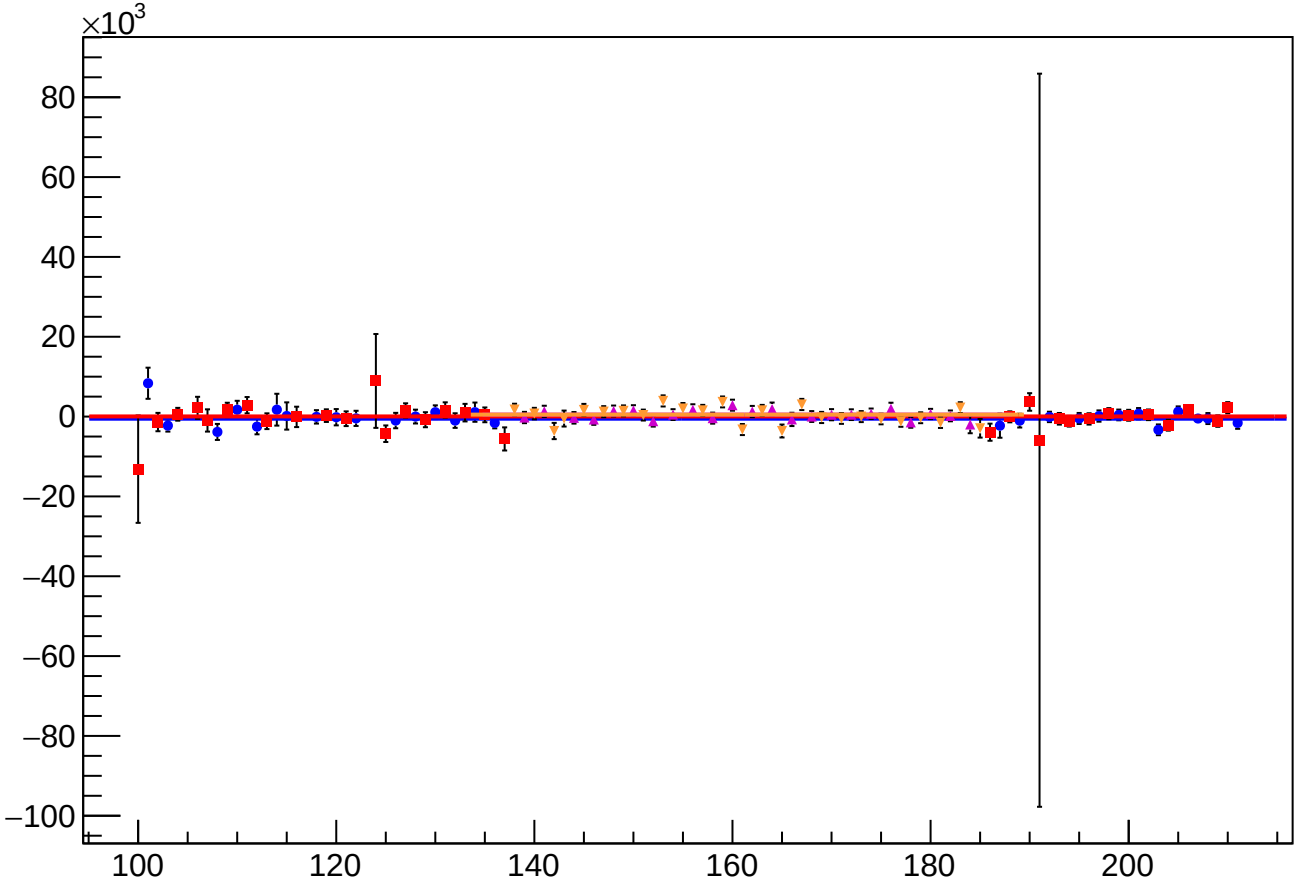
Left In: 0.000+/-0.000 χ^2/NDF:5419961.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 33641528.3/52

All: 0.000+/-0.000 χ^2/NDF: 62688360.3/108

- sign 0.000+/-0.000 χ^2/NDF: 18814618.3/55

reg_asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -529.989+/-316.031 χ^2/NDF: 22.4/27

Left Out: 492.062+/-288.495 χ^2/NDF:46.9/24

Right Out: 37.024+/-308.298 χ^2/NDF: 31.1/32

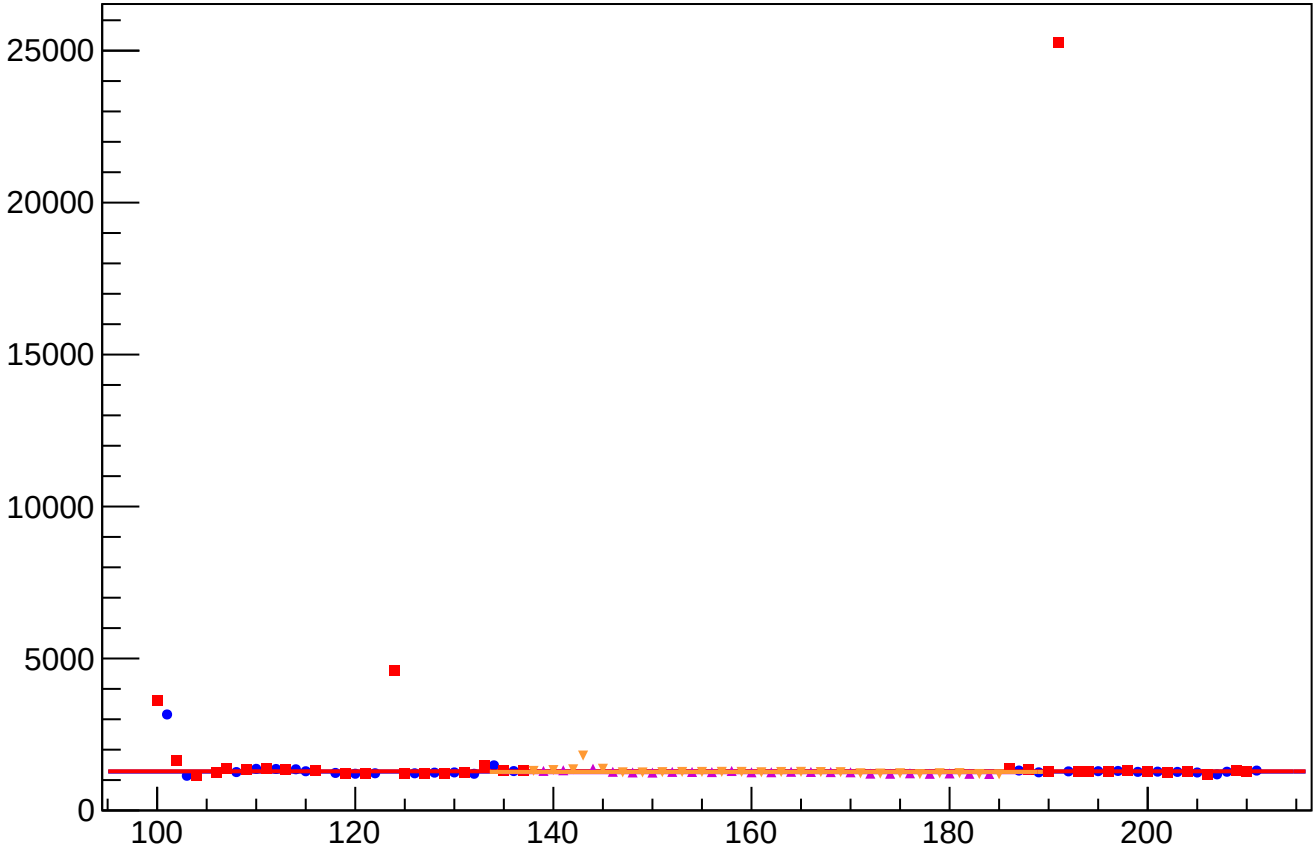
Left In: 486.821+/-293.769 χ^2/NDF:14.4/22

+ sign 27.494+/-213.068 χ^2/NDF: 75.0/52

All: 150.358+/-150.523 χ^2/NDF: 122.4/108

- sign 272.771+/-212.677 χ^2/NDF: 46.7/55

reg_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1277.847+/-0.223 χ^2/NDF: 529453.2/27

Left Out: 1266.967+/-0.204 χ^2/NDF:187545.6/24

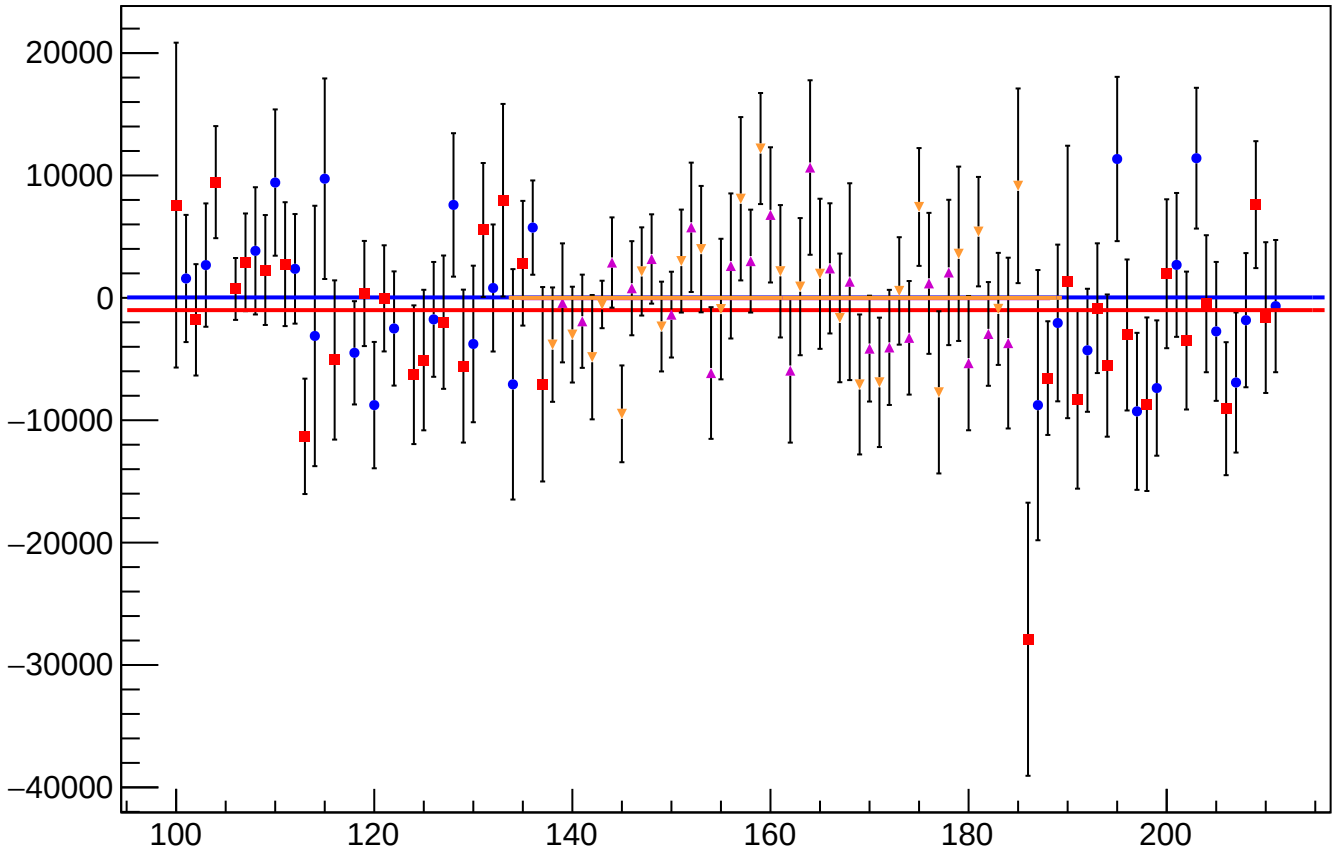
Right Out: 1288.715+/-0.218 χ^2/NDF: 482663.4/32

Left In: 1257.551+/-0.208 χ^2/NDF:36816.4/22

+ sign 1271.913+/-0.151 χ^2/NDF: 718291.7/52

All: 1272.156+/-0.106 χ^2/NDF: 1248499.2/10

- sign 1272.398+/-0.150 χ^2/NDF: 530202.3/55



Right In: 35.422+/-1048.859 χ^2/NDF: 28.6/27

Left Out: -0.604+/-886.488 χ^2/NDF:29.1/24

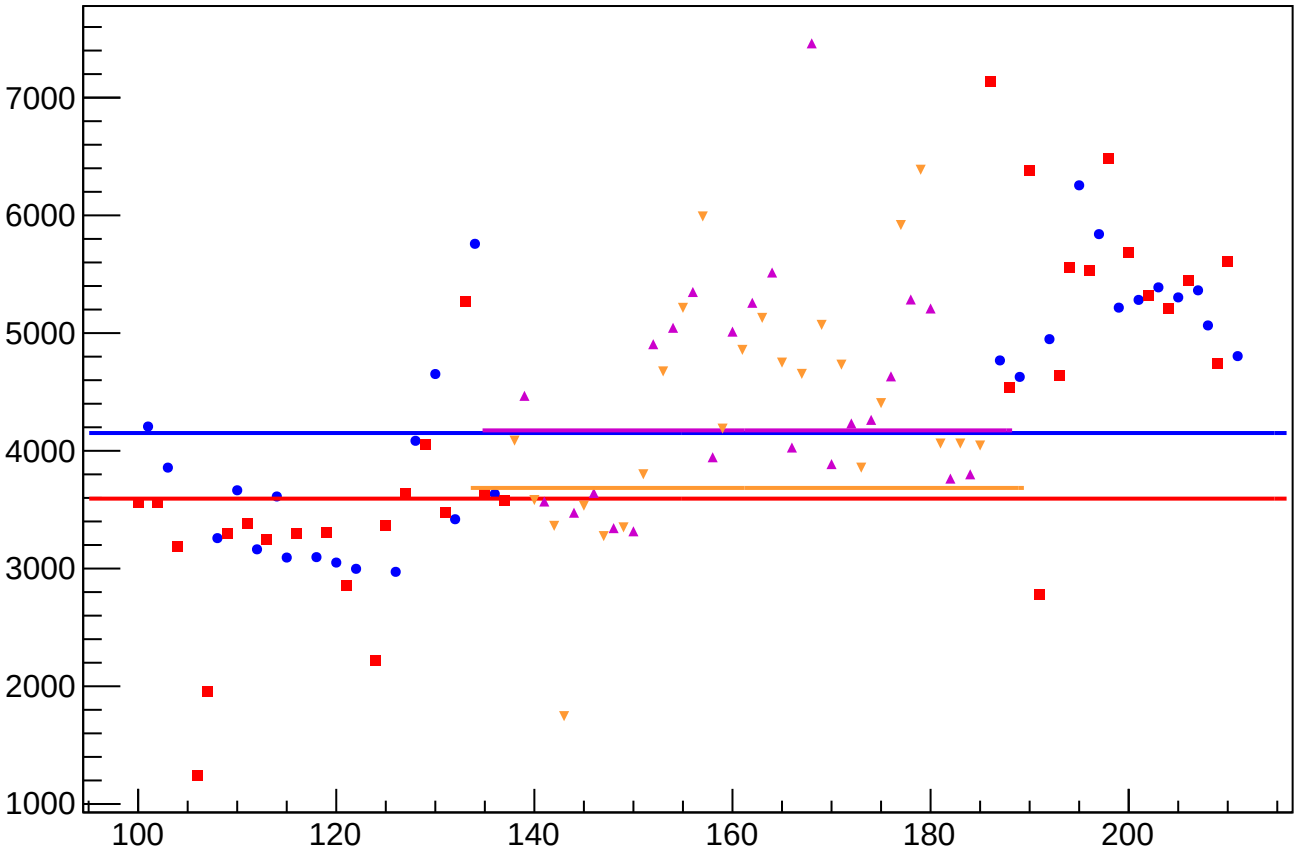
Right Out: -1004.039+/-916.512 χ^2/NDF: 34.9/32

Left In: -31.593+/-995.348 χ^2/NDF:14.0/22

+ sign 14.408+/-677.054 χ^2/NDF: 57.7/52

All: -272.919+/-477.745 χ^2/NDF: 107.5/108

- sign -557.847+/-674.222 χ^2/NDF: 49.5/55



Right In: 4151.149+/-0.742 χ^2/NDF: 1726521.5/27

Left Out: 3684.769+/-0.627 χ^2/NDF:3693646.6/24

Right Out: 3593.907+/-0.648 χ^2/NDF: 4807343.5/32

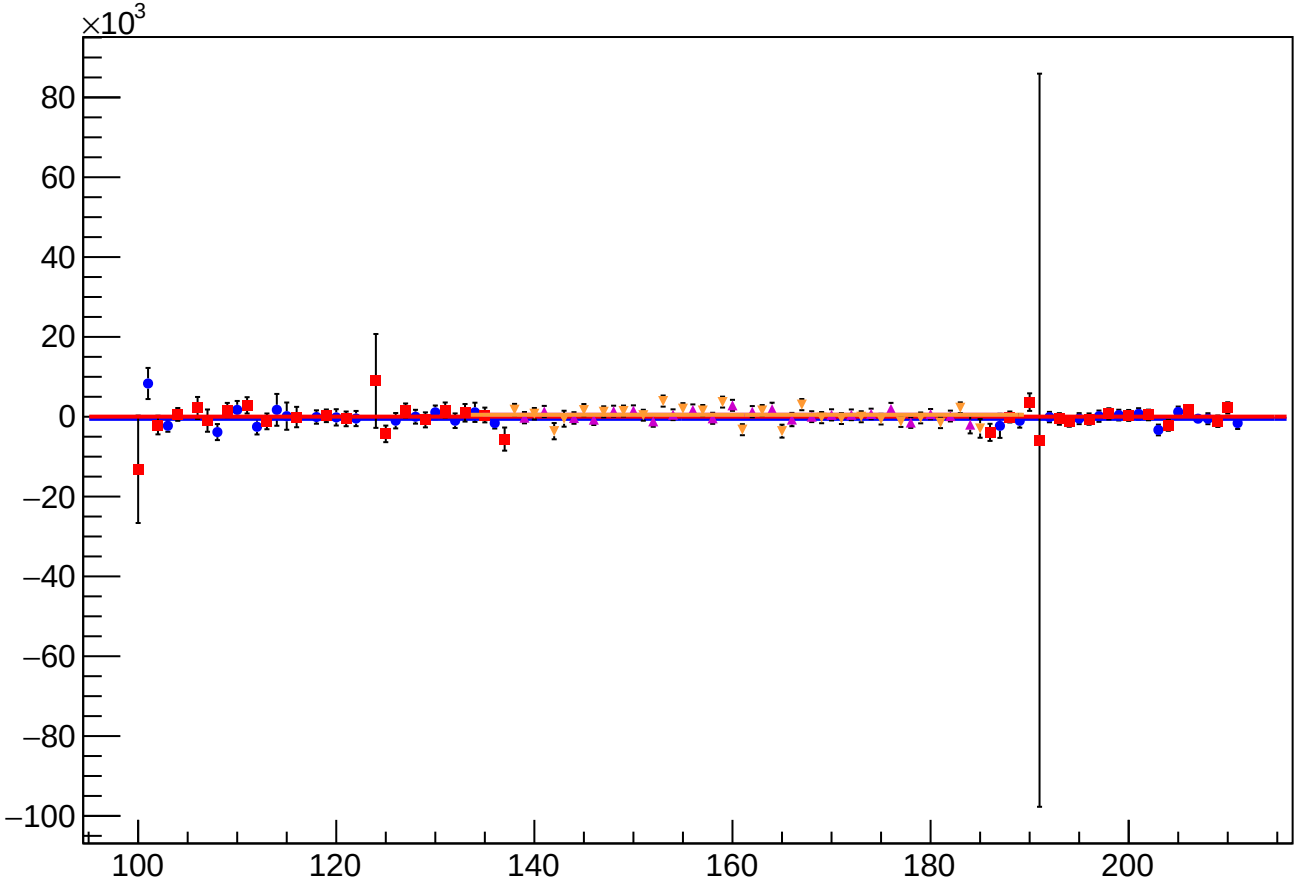
Left In: 4173.556+/-0.704 χ^2/NDF:1274968.4/22

+ sign 3879.104+/-0.479 χ^2/NDF: 5650830.3/52

All: 3869.447+/-0.338 χ^2/NDF: 12101015.9/1

- sign 3859.870+/-0.477 χ^2/NDF: 6449375.1/55

cor_asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -530.114+/-316.031 χ^2/NDF: 22.4/27

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: 25.432+/-308.380 χ^2/NDF: 31.6/32

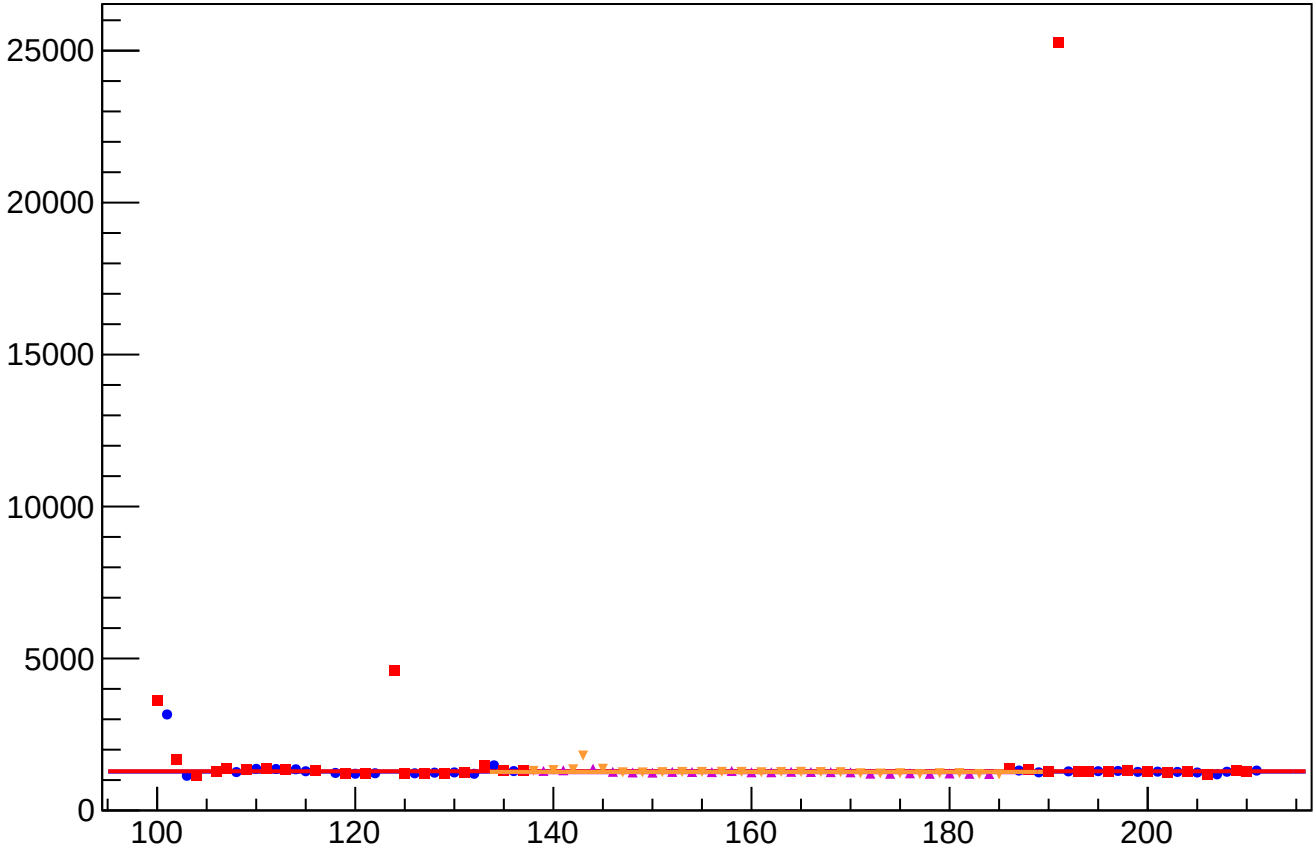
Left In: 486.720+/-293.769 χ^2/NDF:14.4/22

+ sign 27.446+/-213.068 χ^2/NDF: 75.0/52

All: 147.560+/-150.533 χ^2/NDF: 122.8/108

- sign 267.263+/-212.704 χ^2/NDF: 47.2/55

cor_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1277.847+/-0.223 χ^2/NDF: 529454.6/27

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

Right Out: 1289.515+/-0.218 χ^2/NDF: 489554.9/32

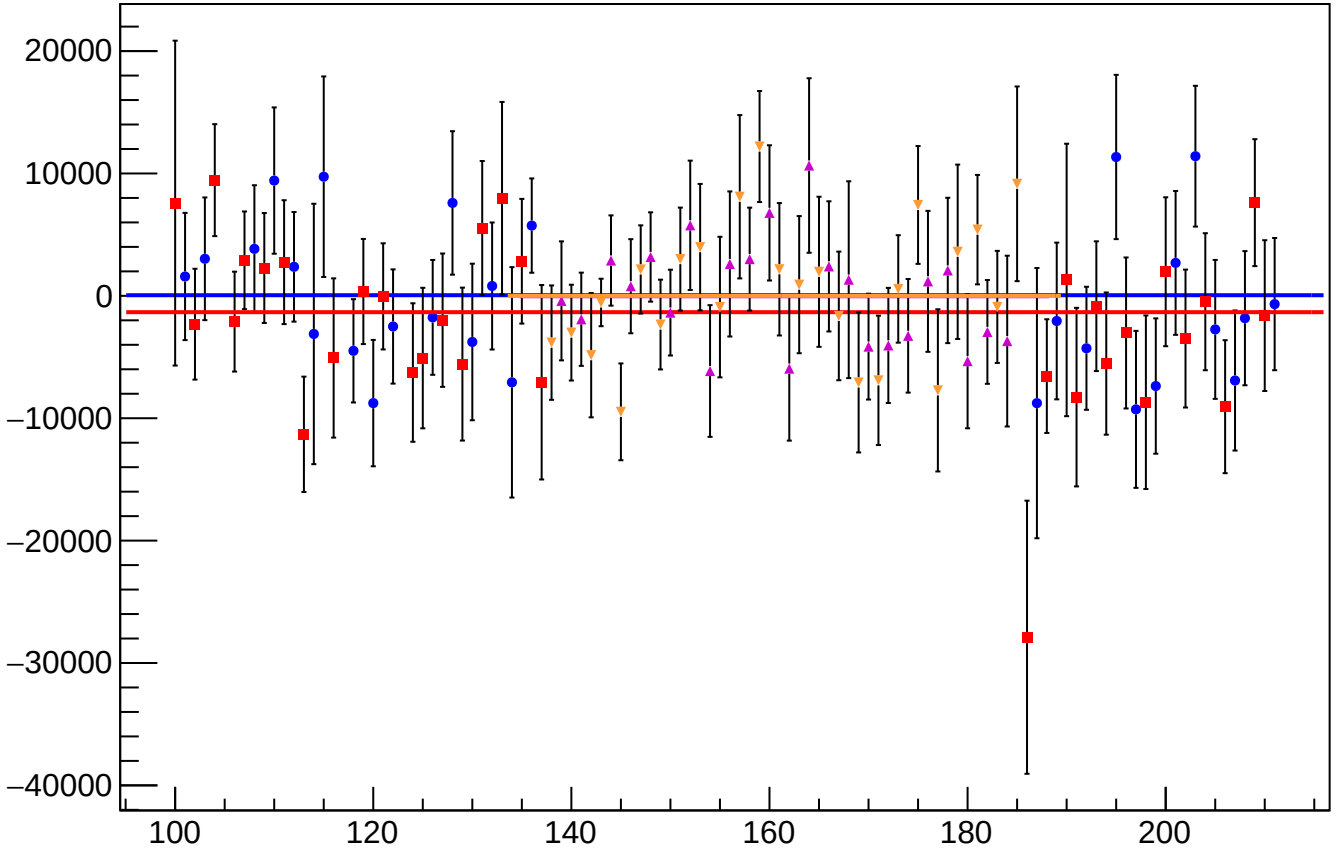
Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

+ sign 1271.913+/-0.151 χ^2/NDF: 718293.0/52

All: 1272.342+/-0.106 χ^2/NDF: 1255953.9/10

- sign 1272.770+/-0.150 χ^2/NDF: 537644.6/55

asym_atl_dd_atr_dd_avg_cor_correction_mean vs Slug



Right In: 51.879+/-1048.633 χ^2/NDF: 28.7/27

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

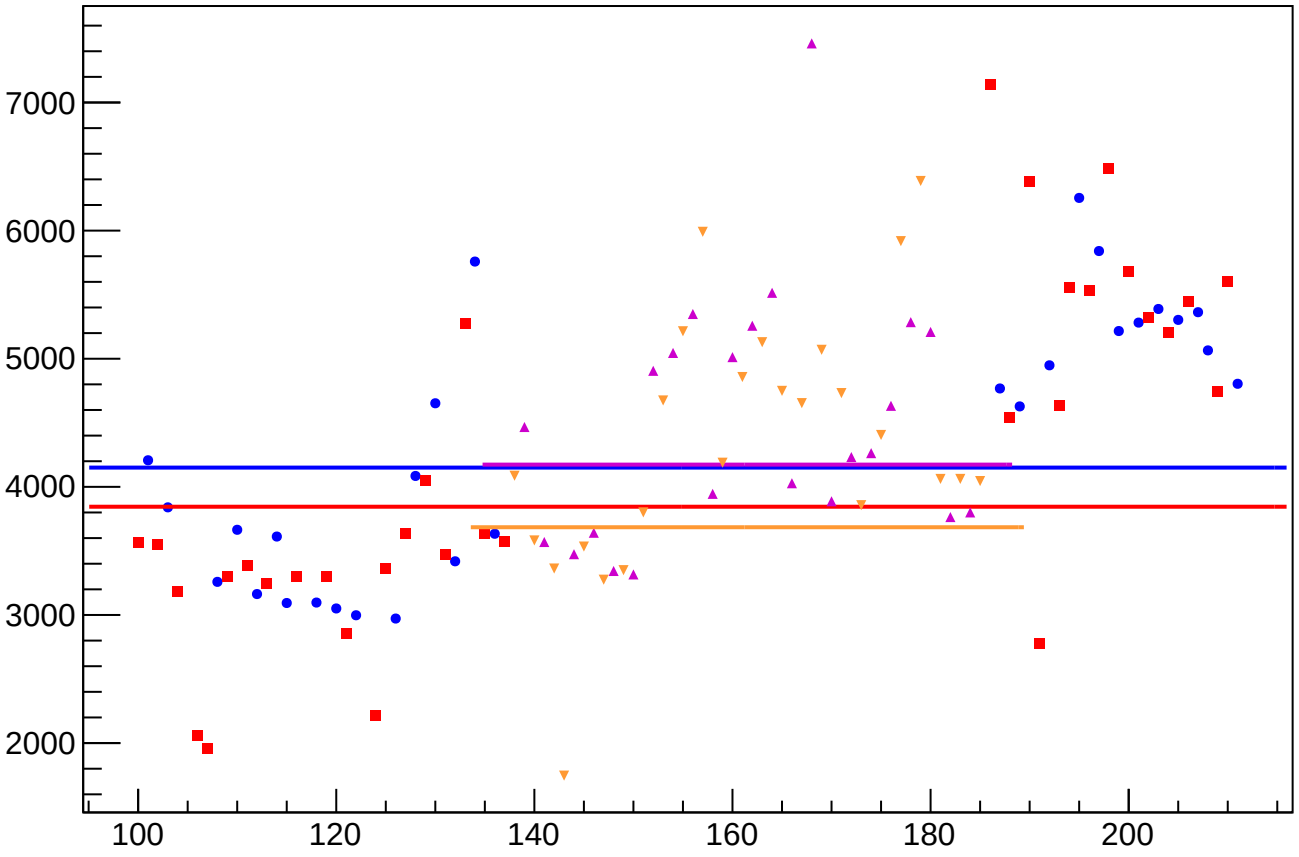
Right Out: -1334.126+/-955.729 χ^2/NDF: 34.4/32

Left In: -31.597+/-995.347 χ^2/NDF:14.0/22

+ sign 21.307+/-676.992 χ^2/NDF: 57.7/52

All: -337.371+/-483.027 χ^2/NDF: 107.7/108

- sign -709.299+/-689.383 χ^2/NDF: 49.4/55



Right In: 4150.300+/-0.741 χ^2/NDF: 1727441.7/27

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

Right Out: 3844.885+/-0.676 χ^2/NDF: 3222064.1/32

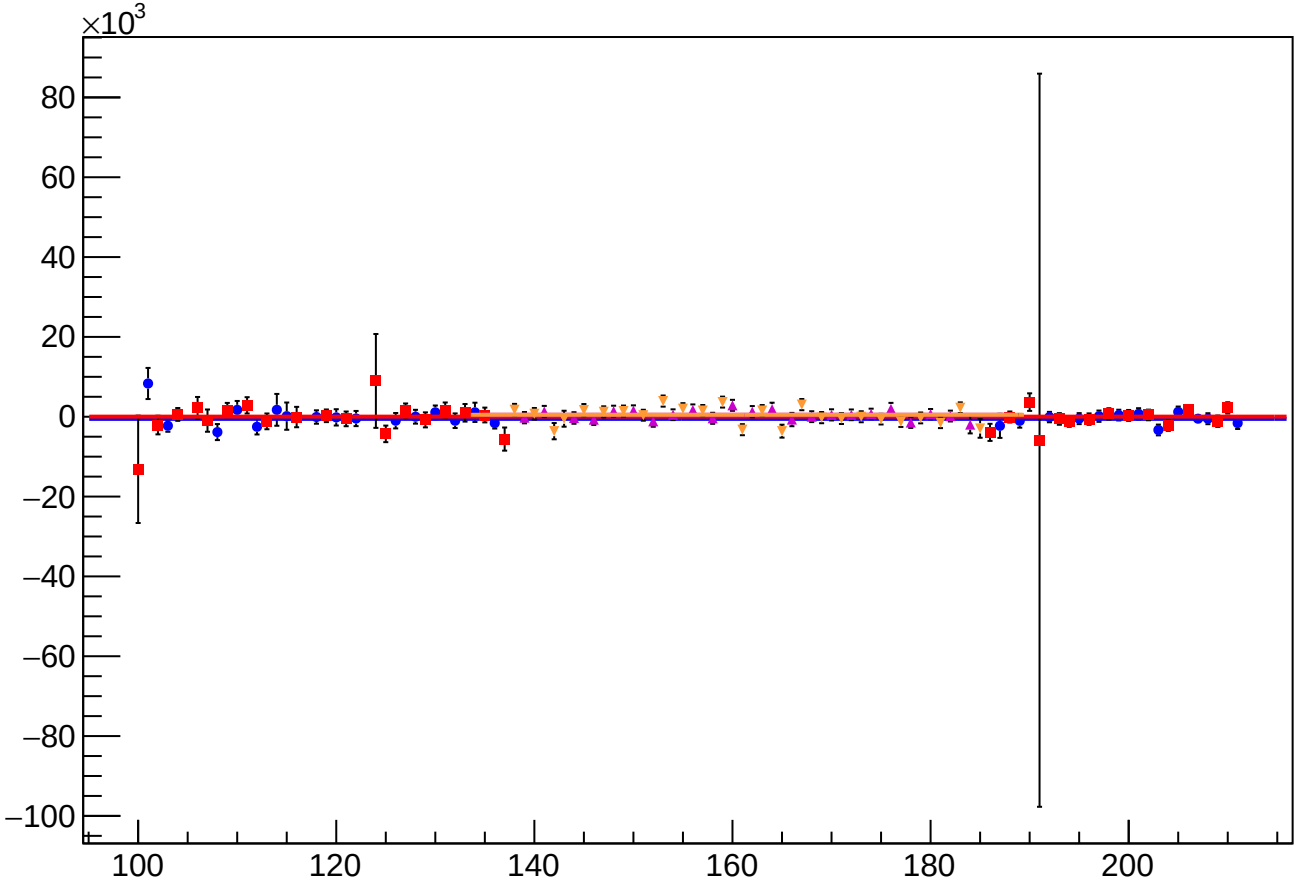
Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

+ sign 3878.795+/-0.479 χ^2/NDF: 5651016.4/52

All: 3939.548+/-0.342 χ^2/NDF: 10294316.0/1

- sign 4002.546+/-0.487 χ^2/NDF: 4610491.0/55

eigen_cor_asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -530.114+/-316.031 χ^2/NDF: 22.4/27

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: 25.432+/-308.380 χ^2/NDF: 31.6/32

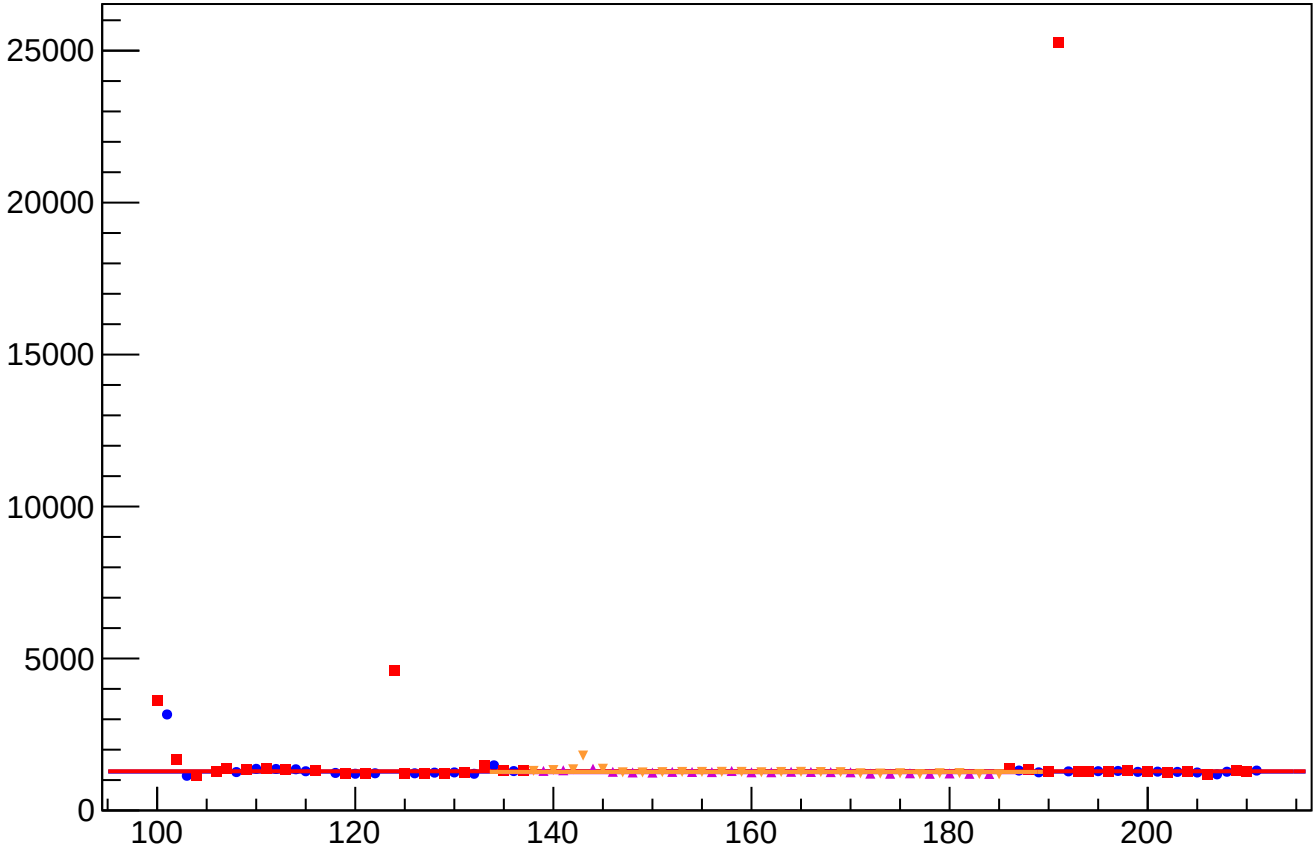
Left In: 486.720+/-293.769 χ^2/NDF:14.4/22

+ sign 27.446+/-213.068 χ^2/NDF: 75.0/52

All: 147.560+/-150.533 χ^2/NDF: 122.8/108

- sign 267.263+/-212.704 χ^2/NDF: 47.2/55

eigen_cor_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1277.847+/-0.223 χ^2/NDF: 529454.6/27

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

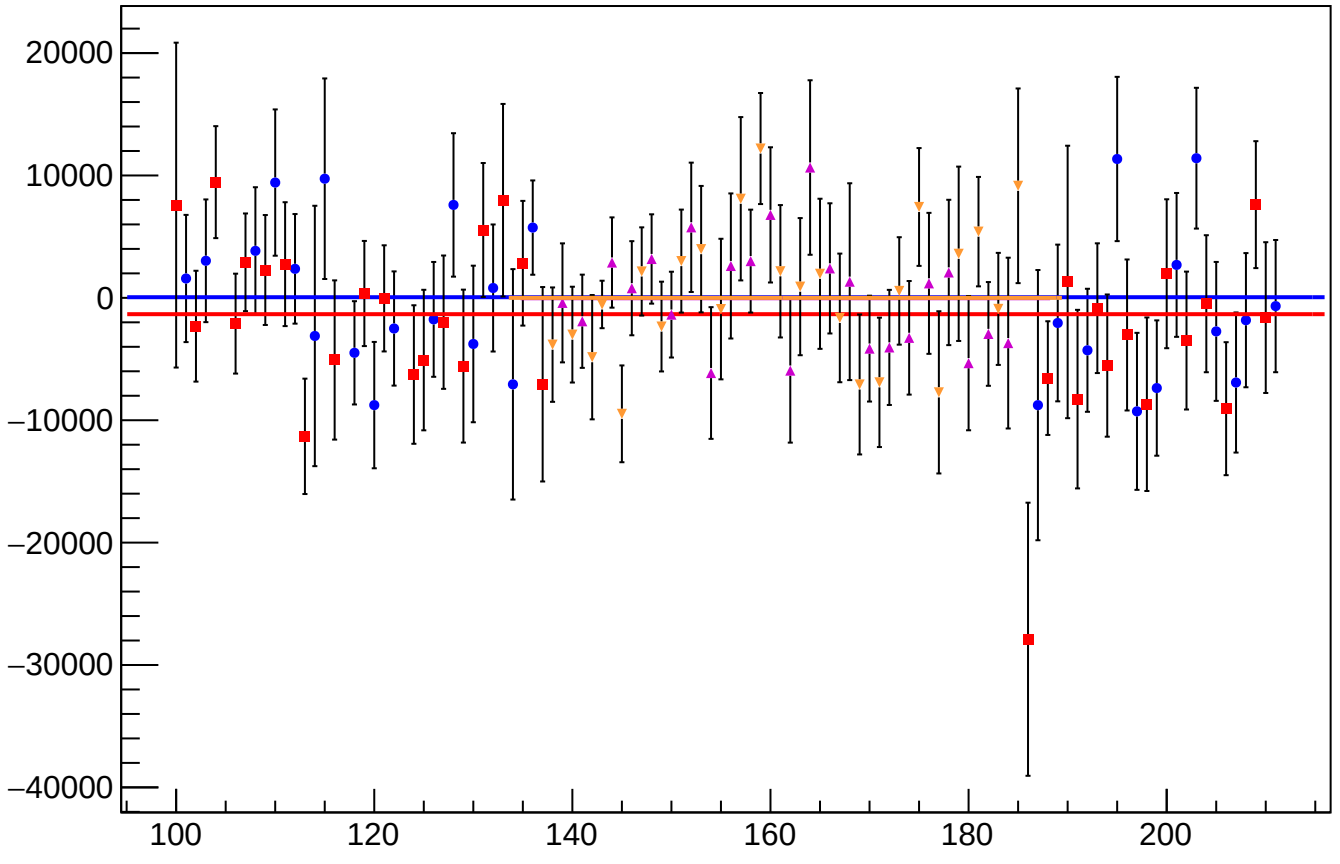
Right Out: 1289.515+/-0.218 χ^2/NDF: 489554.9/32

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

+ sign 1271.913+/-0.151 χ^2/NDF: 718293.0/52

All: 1272.342+/-0.106 χ^2/NDF: 1255953.9/10

- sign 1272.770+/-0.150 χ^2/NDF: 537644.6/55



Right In: 51.879+/-1048.633 χ^2/NDF: 28.7/27

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

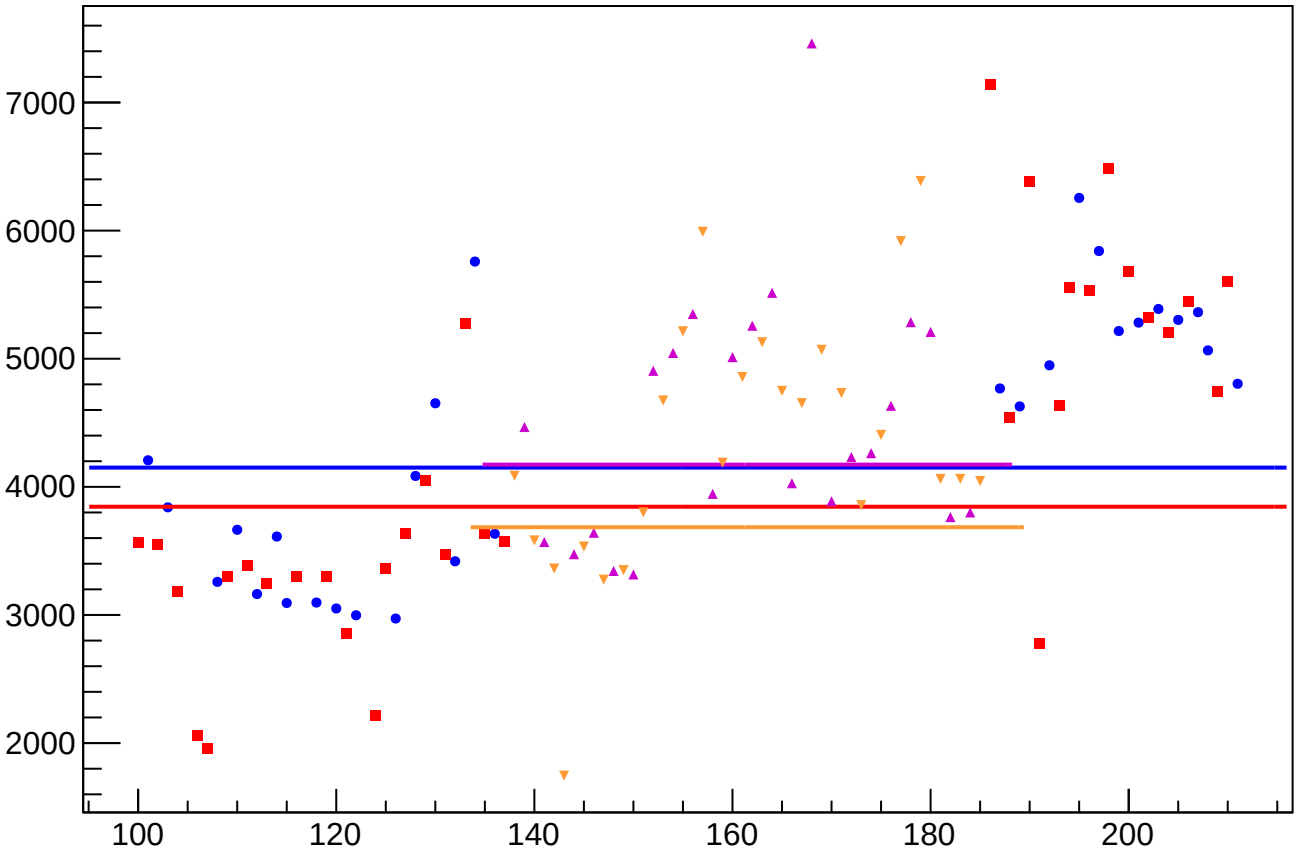
Right Out: -1334.126+/-955.729 χ^2/NDF: 34.4/32

Left In: -31.597+/-995.347 χ^2/NDF:14.0/22

+ sign 21.307+/-676.992 χ^2/NDF: 57.7/52

All: -337.371+/-483.027 χ^2/NDF: 107.7/108

- sign -709.299+/-689.383 χ^2/NDF: 49.4/55



Right In: 4150.300+/-0.741 χ^2/NDF: 1727441.7/27

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

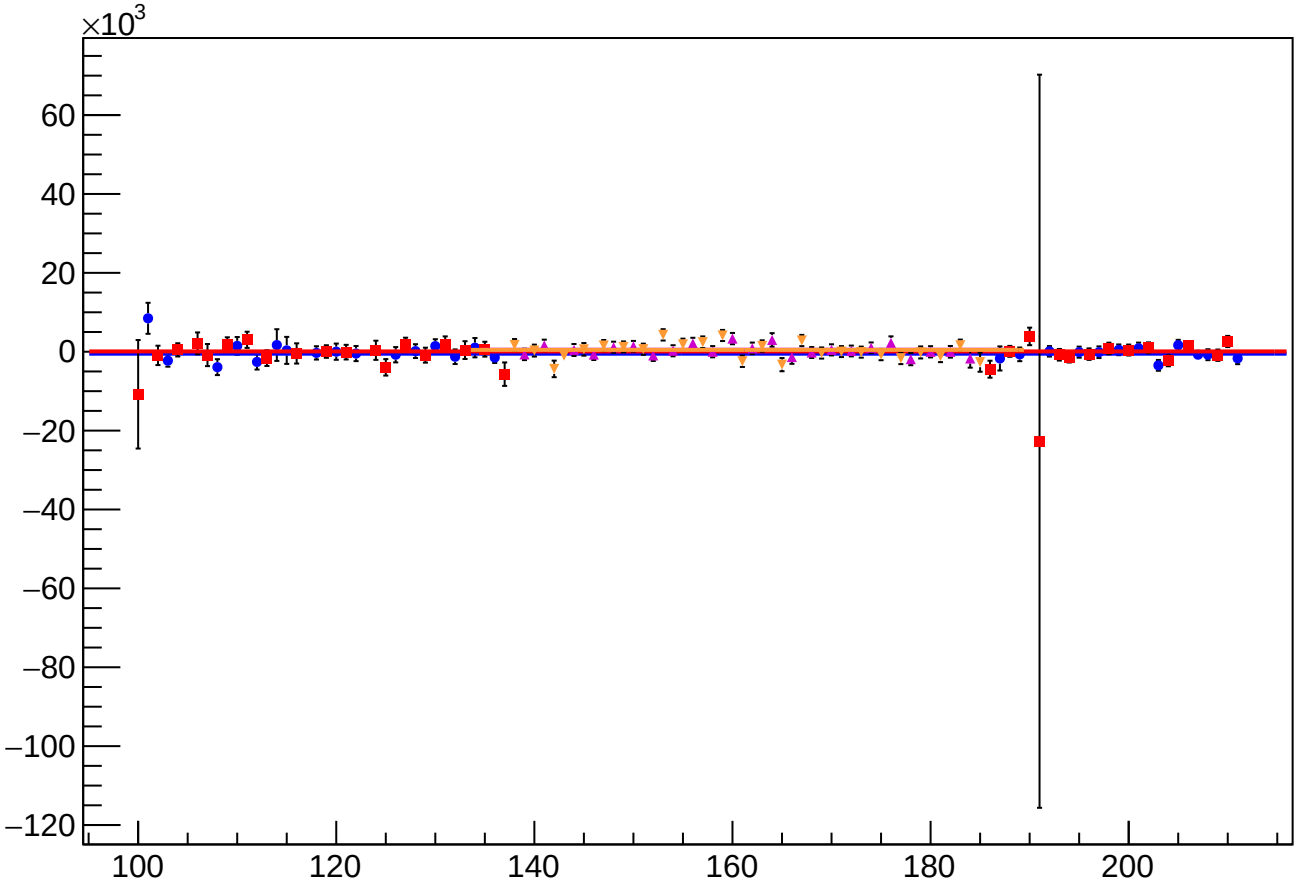
Right Out: 3844.885+/-0.676 χ^2/NDF: 3222064.1/32

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

+ sign 3878.795+/-0.479 χ^2/NDF: 5651016.4/52

All: 3939.548+/-0.342 χ^2/NDF: 10294316.0/1

- sign 4002.546+/-0.487 χ^2/NDF: 4610491.0/55



Right In: -494.200+/-320.342 χ^2/NDF: 23.9/27

Left Out: 467.929+/-294.257 χ^2/NDF:44.1/24

Right Out: 78.986+/-310.702 χ^2/NDF: 32.7/32

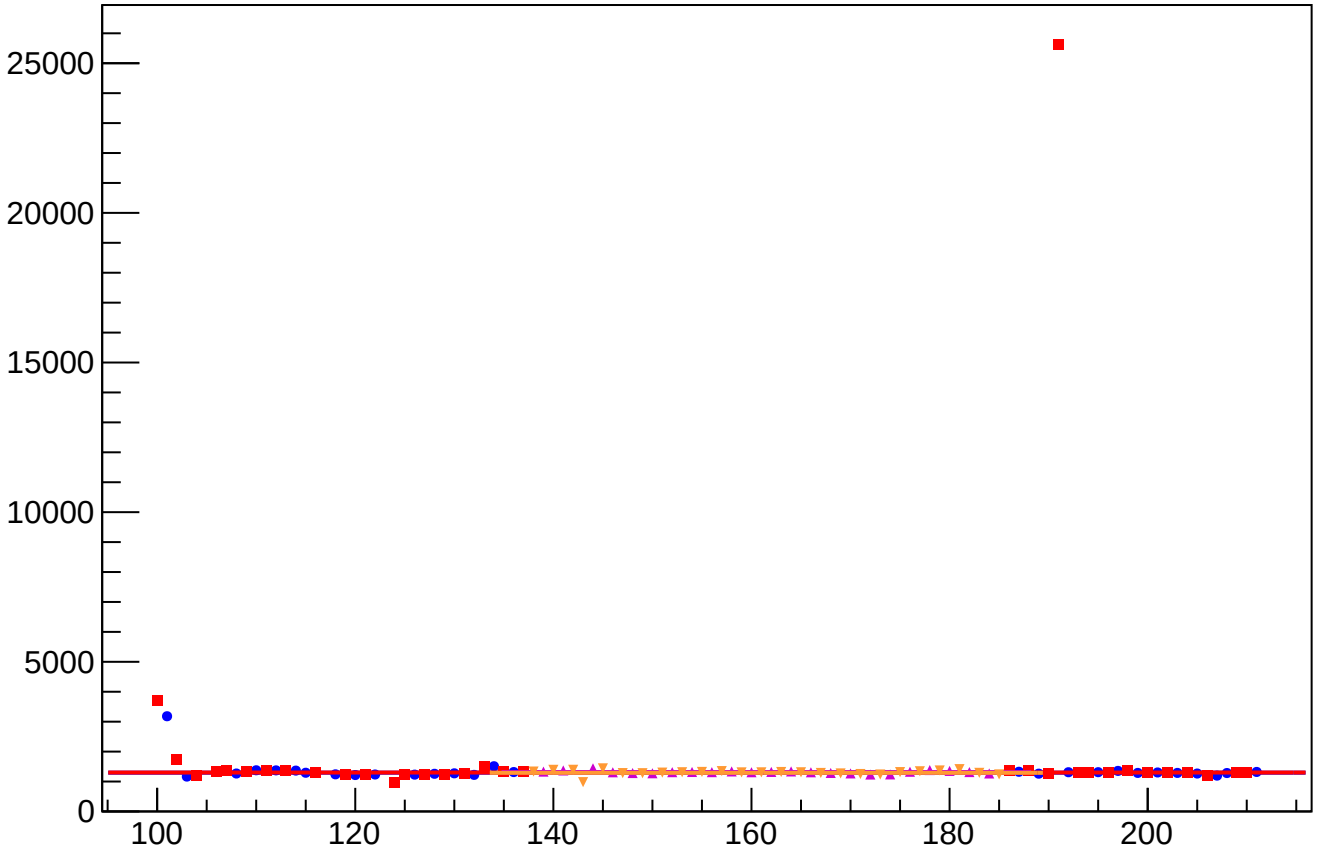
Left In: 503.558+/-307.055 χ^2/NDF:17.4/22

+ sign 27.626+/-216.707 χ^2/NDF: 72.9/52

All: 159.667+/-153.830 χ^2/NDF: 124.7/108

- sign 293.778+/-218.399 χ^2/NDF: 51.0/55

dit_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1295.148+/-0.227 χ^2/NDF: 529543.3/27

Left Out: 1291.211+/-0.208 χ^2/NDF:230735.1/24

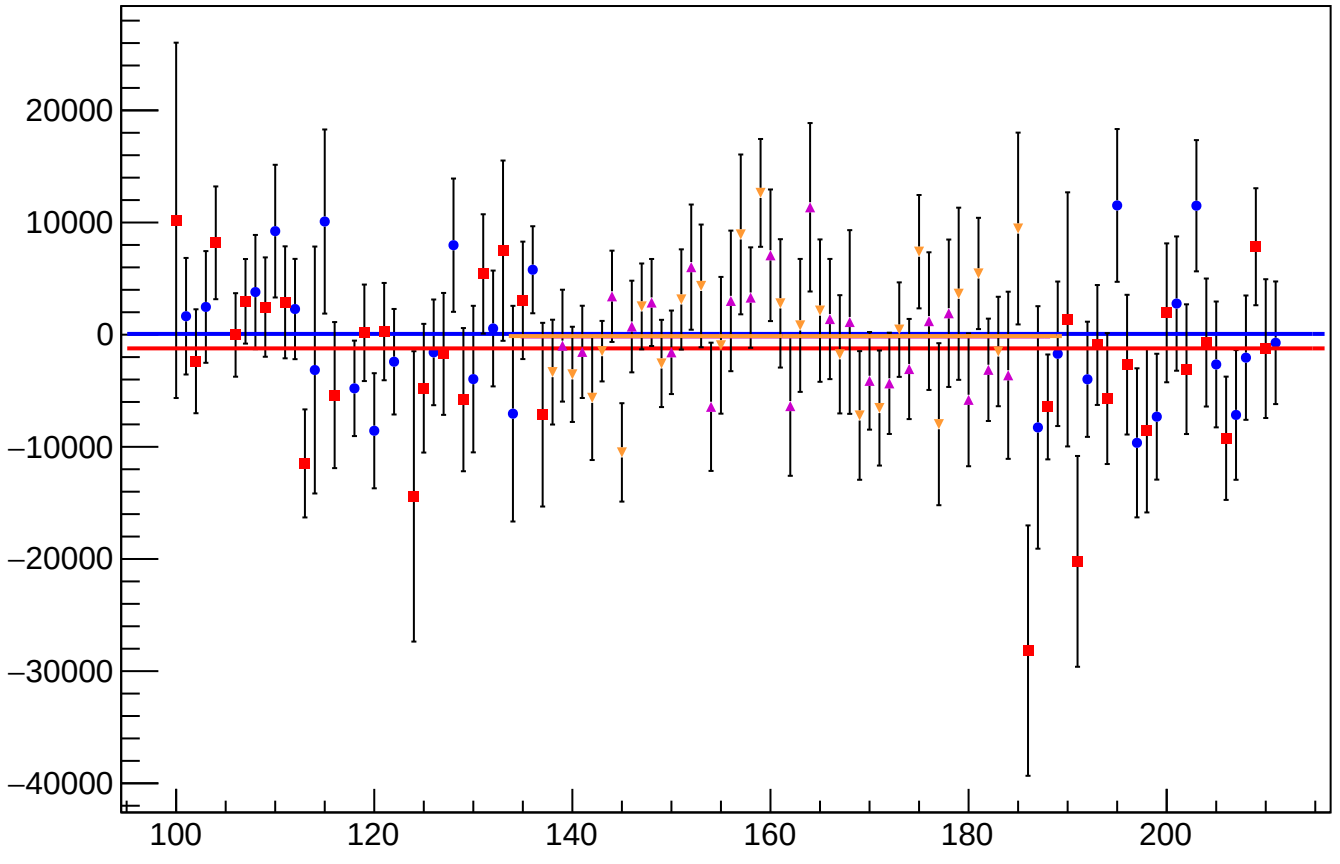
Right Out: 1300.541+/-0.220 χ^2/NDF: 378271.1/32

Left In: 1314.006+/-0.217 χ^2/NDF:43044.7/22

+ sign 1293.013+/-0.153 χ^2/NDF: 760442.3/52

All: 1300.127+/-0.109 χ^2/NDF: 1188003.1/10

- sign 1307.351+/-0.154 χ^2/NDF: 423216.7/55



Right In: 67.732+/-1054.754 χ^2/NDF: 28.5/27

Left Out: -127.273+/-977.231 χ^2/NDF:28.6/24

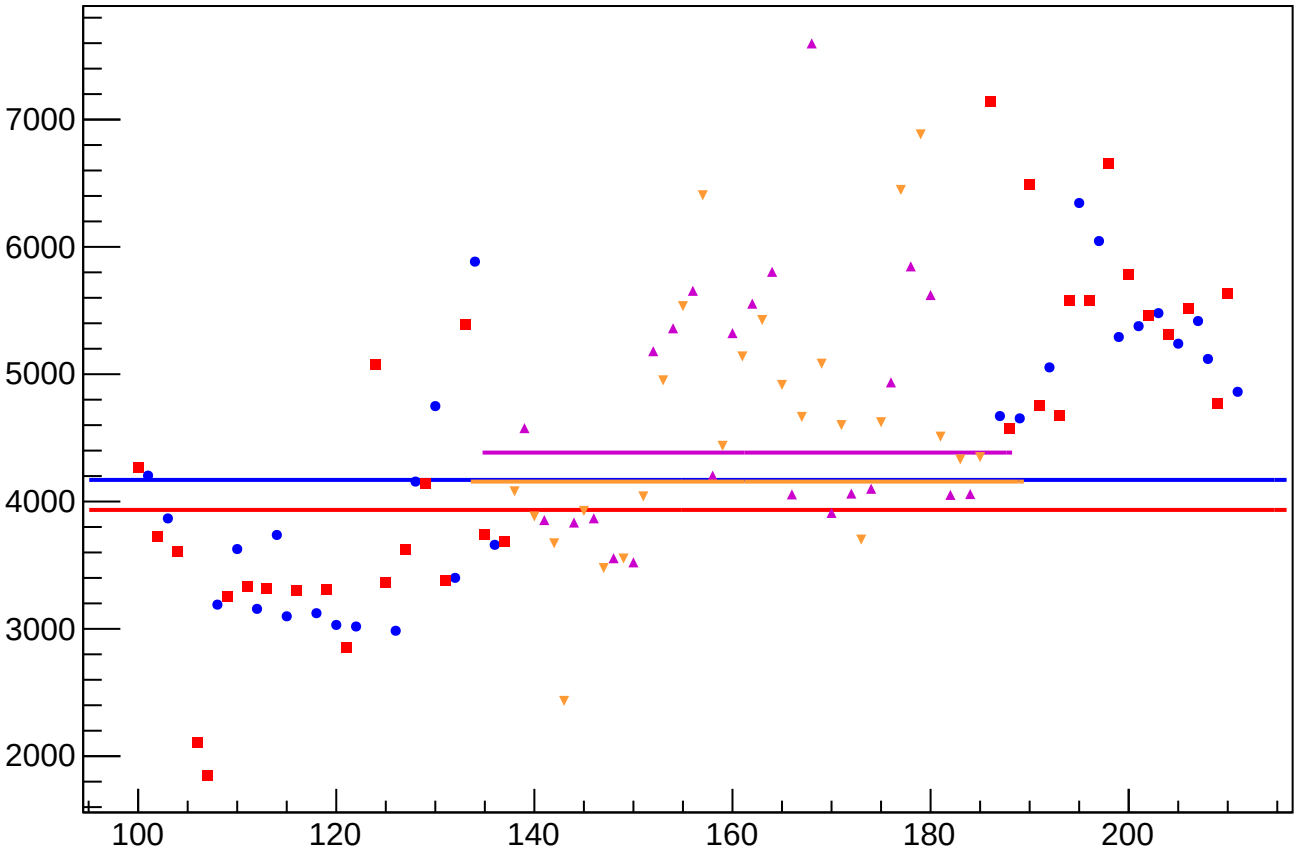
Right Out: -1222.828+/-971.813 χ^2/NDF: 36.2/32

Left In: -159.452+/-1045.510 χ^2/NDF:13.8/22

+ sign -37.200+/-716.848 χ^2/NDF: 57.1/52

All: -386.013+/-505.095 χ^2/NDF: 108.1/108

- sign -729.936+/-711.804 χ^2/NDF: 50.5/55



Right In: 4169.835+/-0.746 χ^2/NDF: 1818523.2/27

Left Out: 4156.582+/-0.691 χ^2/NDF:2080766.1/24

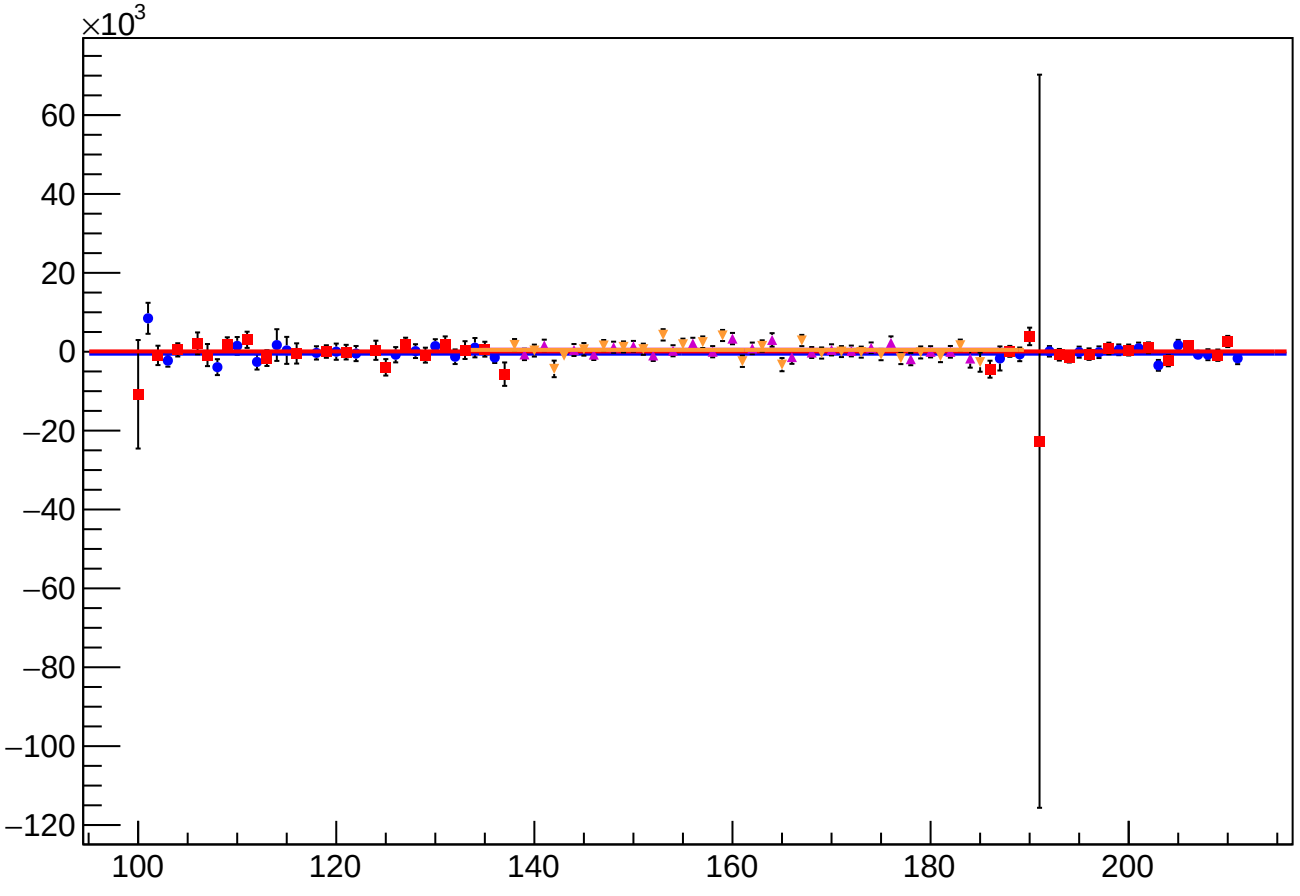
Right Out: 3934.090+/-0.687 χ^2/NDF: 3271126.2/32

Left In: 4384.323+/-0.739 χ^2/NDF:1255470.8/22

+ sign 4162.703+/-0.507 χ^2/NDF: 3899459.3/52

All: 4152.671+/-0.357 χ^2/NDF: 8625811.9/10

- sign 4142.780+/-0.503 χ^2/NDF: 4725574.8/55



Right In: -494.201+/-320.342 χ^2/NDF: 23.9/27

Left Out: 467.933+/-294.257 χ^2/NDF:44.1/24

Right Out: 78.987+/-310.702 χ^2/NDF: 32.7/32

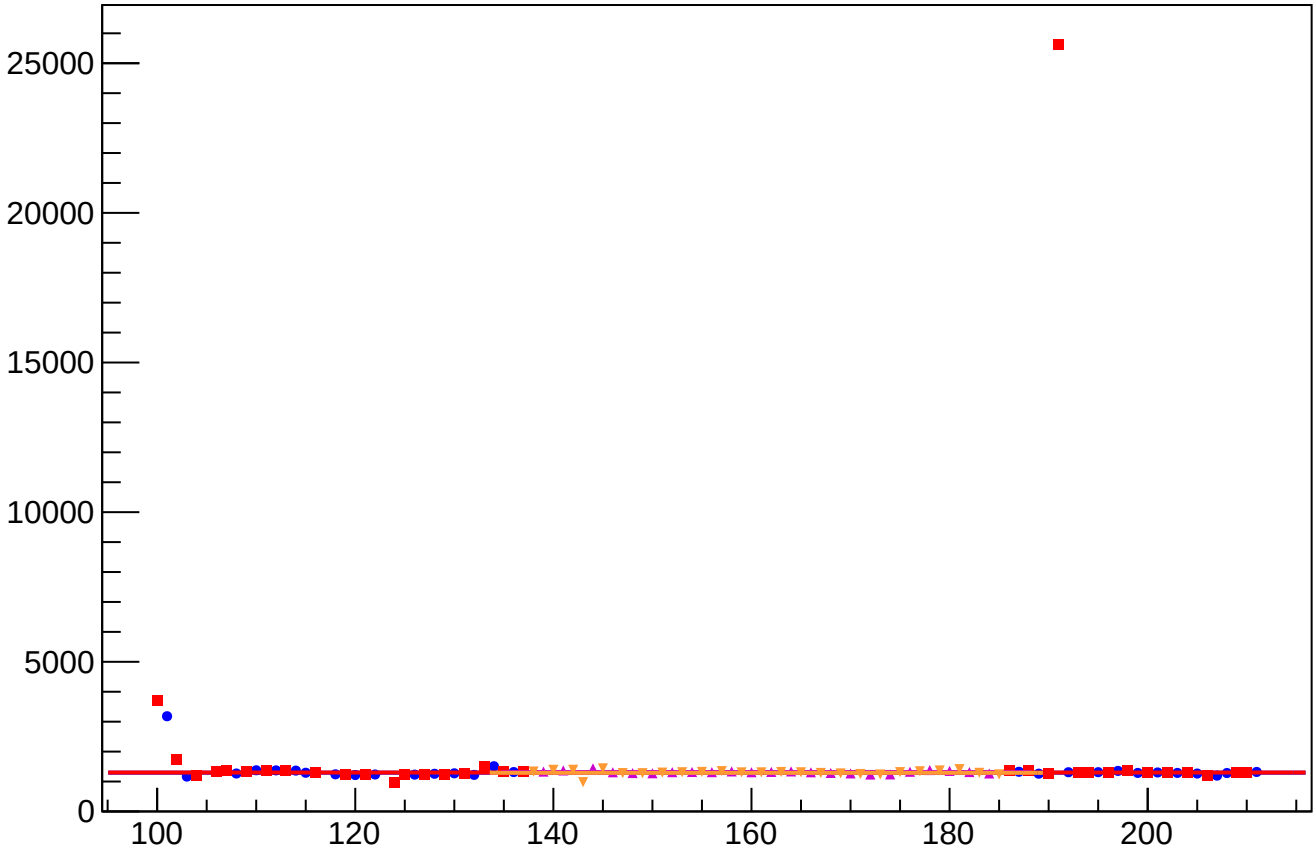
Left In: 503.558+/-307.056 χ^2/NDF:17.4/22

+ sign 27.627+/-216.707 χ^2/NDF: 72.9/52

All: 159.668+/-153.830 χ^2/NDF: 124.7/108

- sign 293.779+/-218.399 χ^2/NDF: 51.0/55

eigen_dit_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1295.148+/-0.227 χ^2/NDF: 529543.4/27

Left Out: 1291.212+/-0.208 χ^2/NDF:230737.6/24

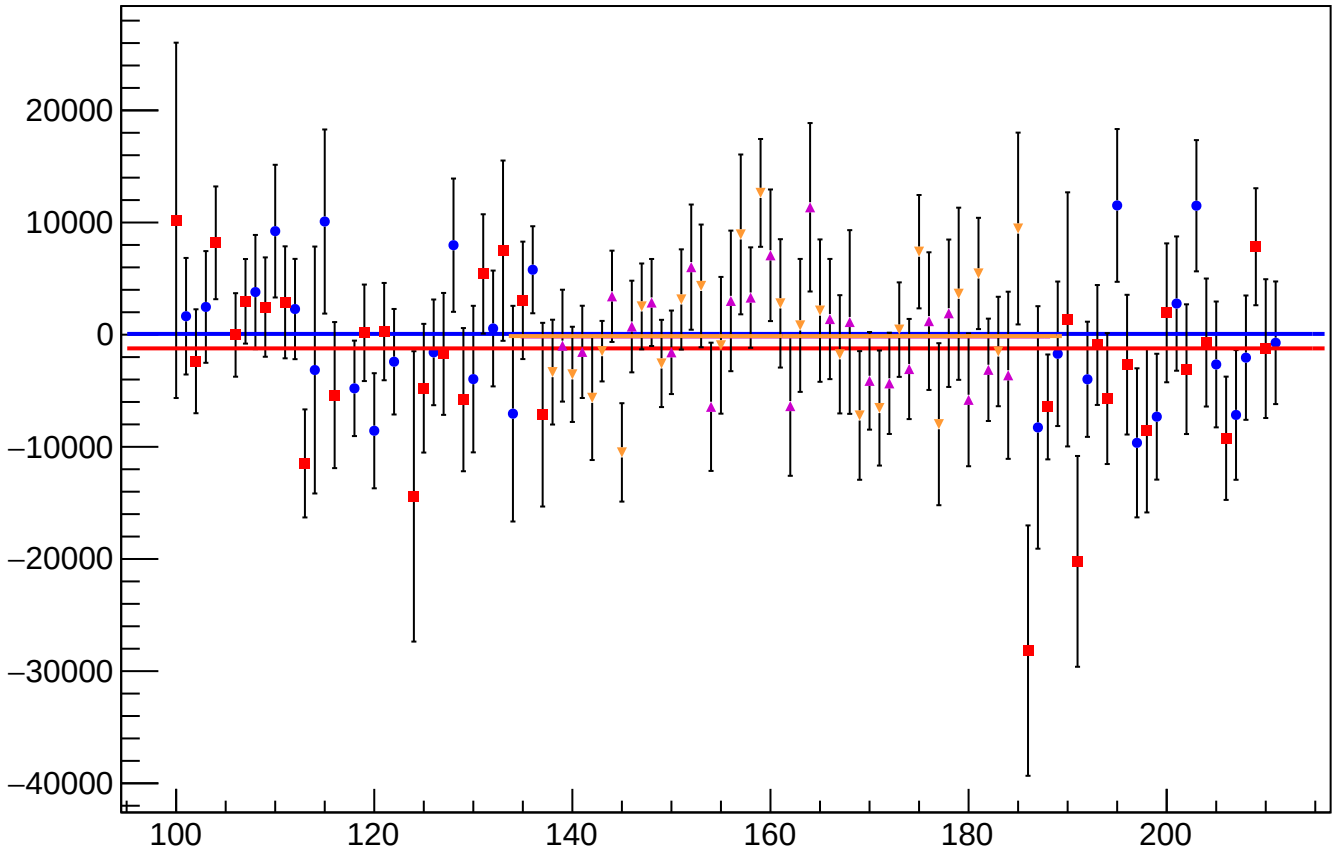
Right Out: 1300.541+/-0.220 χ^2/NDF: 378271.2/32

Left In: 1314.007+/-0.217 χ^2/NDF:43046.8/22

+ sign 1293.013+/-0.153 χ^2/NDF: 760444.8/52

All: 1300.128+/-0.109 χ^2/NDF: 1188008.2/10

- sign 1307.351+/-0.154 χ^2/NDF: 423219.3/55



Right In: 67.728+/-1054.754 χ^2/NDF: 28.5/27

Left Out: -127.271+/-977.232 χ^2/NDF:28.6/24

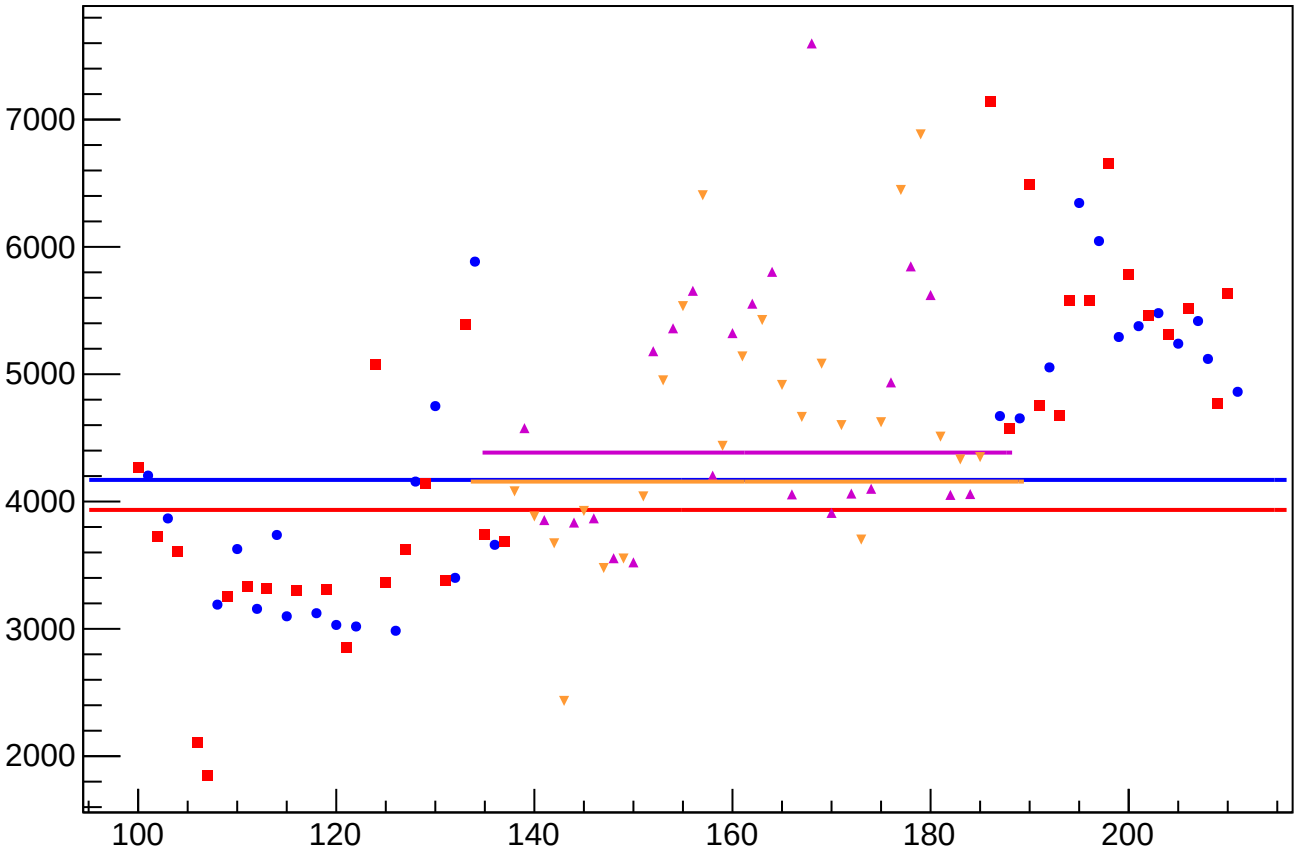
Right Out: -1222.822+/-971.812 χ^2/NDF: 36.2/32

Left In: -159.454+/-1045.511 χ^2/NDF:13.8/22

\+ sign -37.200+/-716.848 χ^2/NDF: 57.1/52

All: -386.013+/-505.096 χ^2/NDF: 108.1/108

\- sign -729.934+/-711.805 χ^2/NDF: 50.5/55



Right In: 4169.829+/-0.746 χ^2/NDF: 1818556.6/27

Left Out: 4156.588+/-0.691 χ^2/NDF:2080769.0/24

Right Out: 3934.084+/-0.687 χ^2/NDF: 3271158.9/32

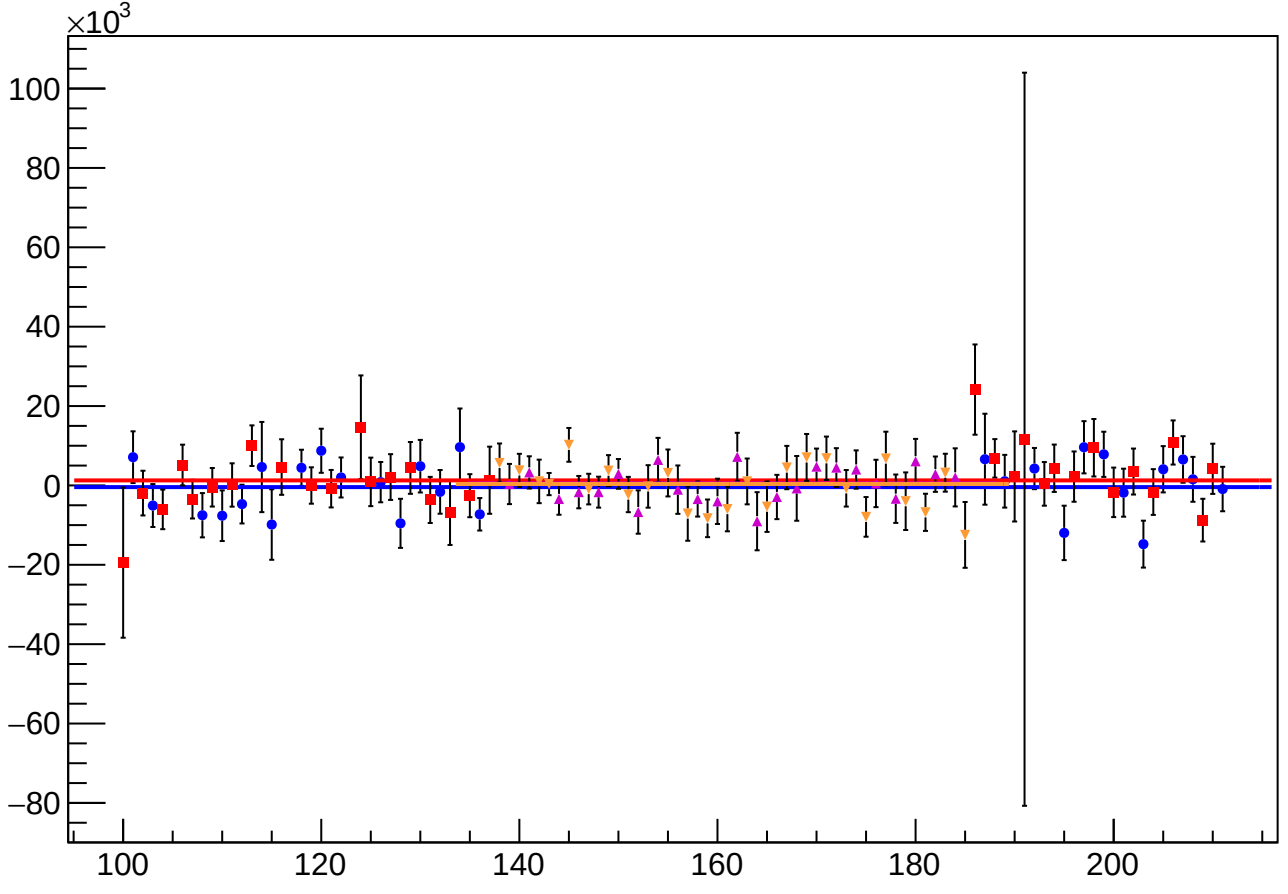
Left In: 4384.329+/-0.739 χ^2/NDF:1255475.0/22

+ sign 4162.704+/-0.507 χ^2/NDF: 3899495.2/52

All: 4152.672+/-0.357 χ^2/NDF: 8625896.0/10

- sign 4142.780+/-0.503 χ^2/NDF: 4725622.8/55

asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -423.478+/-1112.469 χ^2/NDF: 34.6/27

Left Out: 362.528+/-979.860 χ^2/NDF:27.7/24

Right Out: 1265.657+/-1053.627 χ^2/NDF: 26.5/32

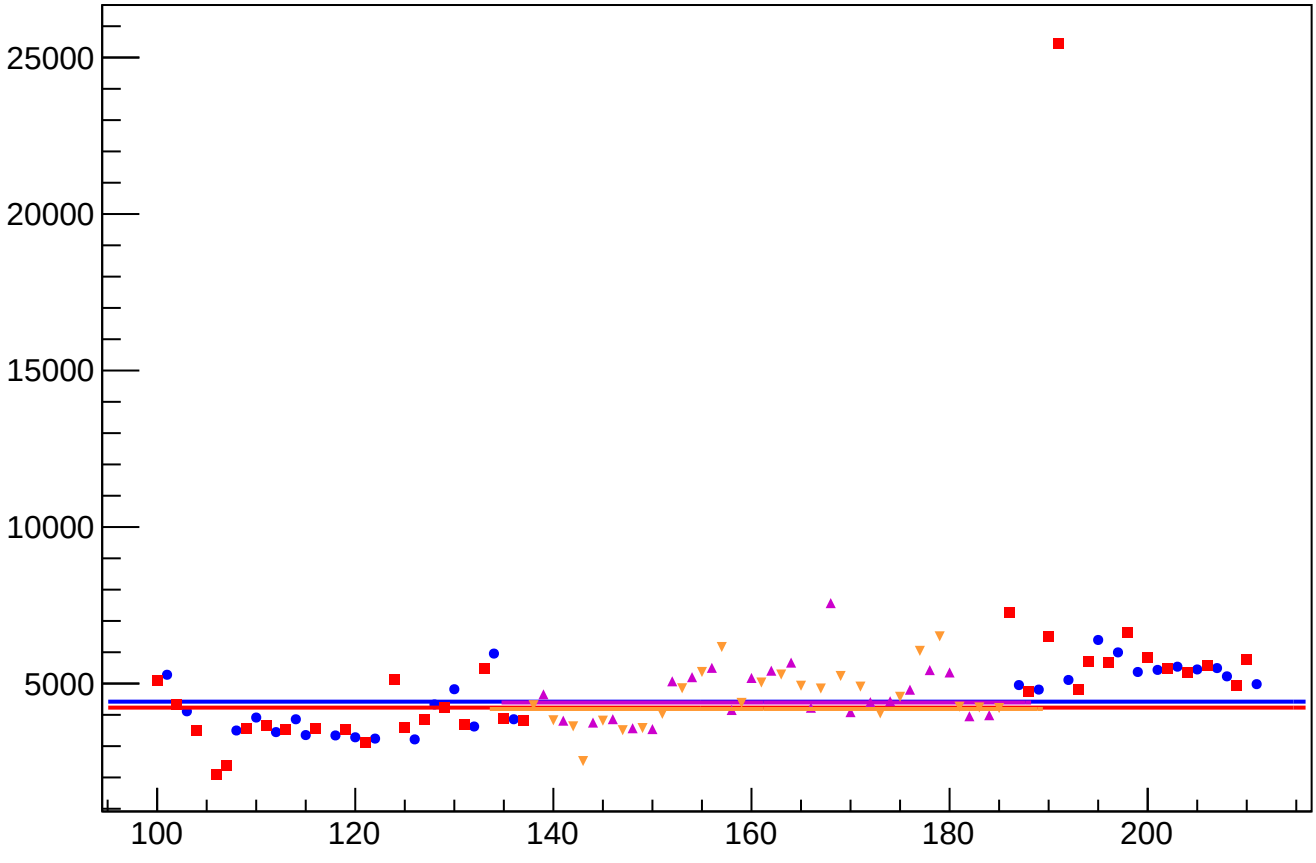
Left In: 497.522+/-1044.707 χ^2/NDF:13.9/22

+ sign 19.141+/-735.303 χ^2/NDF: 62.5/52

All: 444.923+/-522.238 χ^2/NDF: 103.8/108

- sign 878.324+/-741.853 χ^2/NDF: 40.7/55

asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 4421.544+/-0.787 χ^2/NDF: 1476776.7/27

Left Out: 4187.848+/-0.693 χ^2/NDF:1796345.9/24

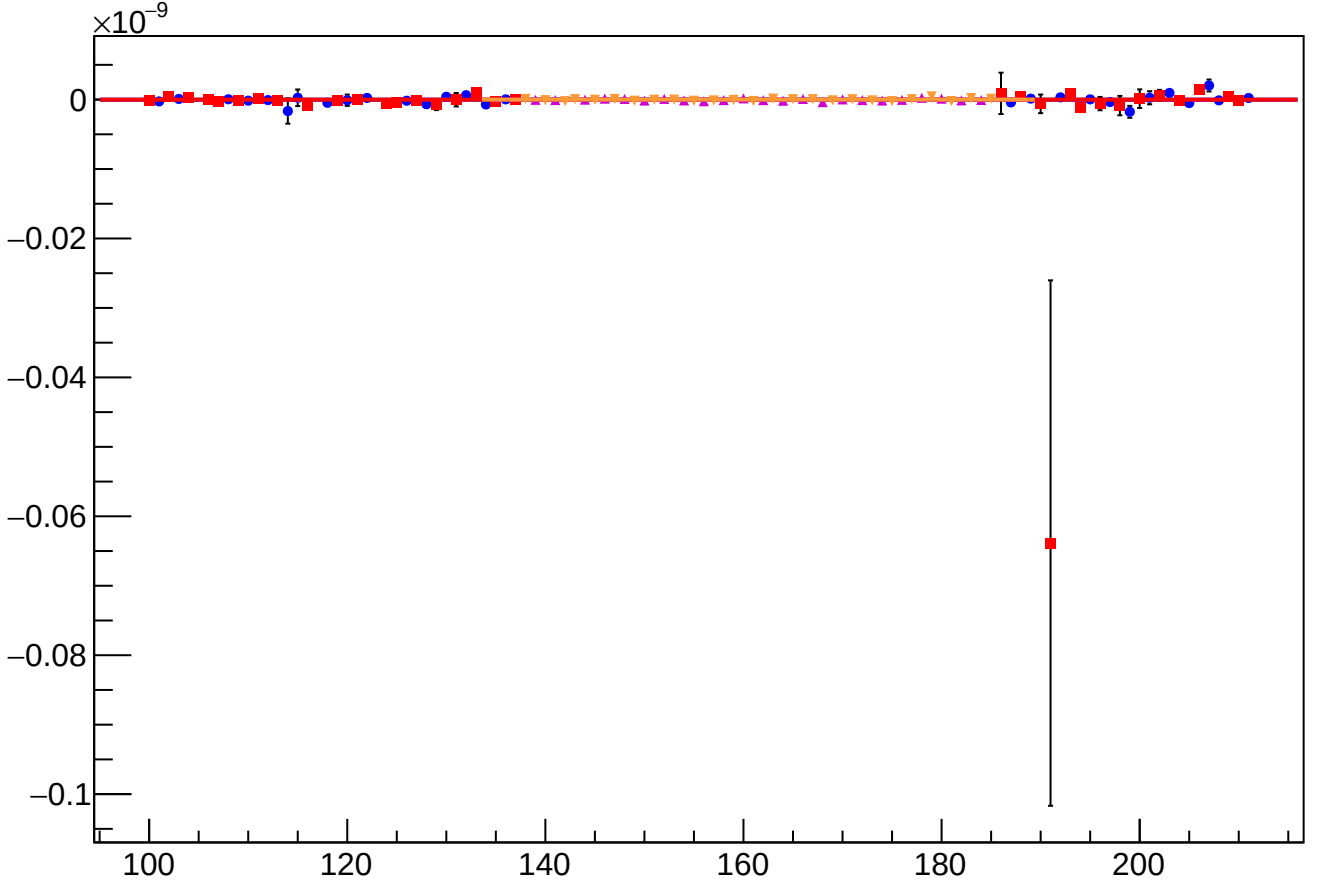
Right Out: 4230.980+/-0.739 χ^2/NDF: 2610927.4/32

Left In: 4394.324+/-0.739 χ^2/NDF:1088394.9/22

+ sign 4289.945+/-0.520 χ^2/NDF: 3322823.5/52

All: 4301.243+/-0.368 χ^2/NDF: 7047543.0/10

- sign 4312.646+/-0.522 χ^2/NDF: 3723770.7/55



Right In: -0.000+/-0.000 χ^2/NDF: 34.8/27

Left Out: -0.000+/-0.000 χ^2/NDF:30.5/24

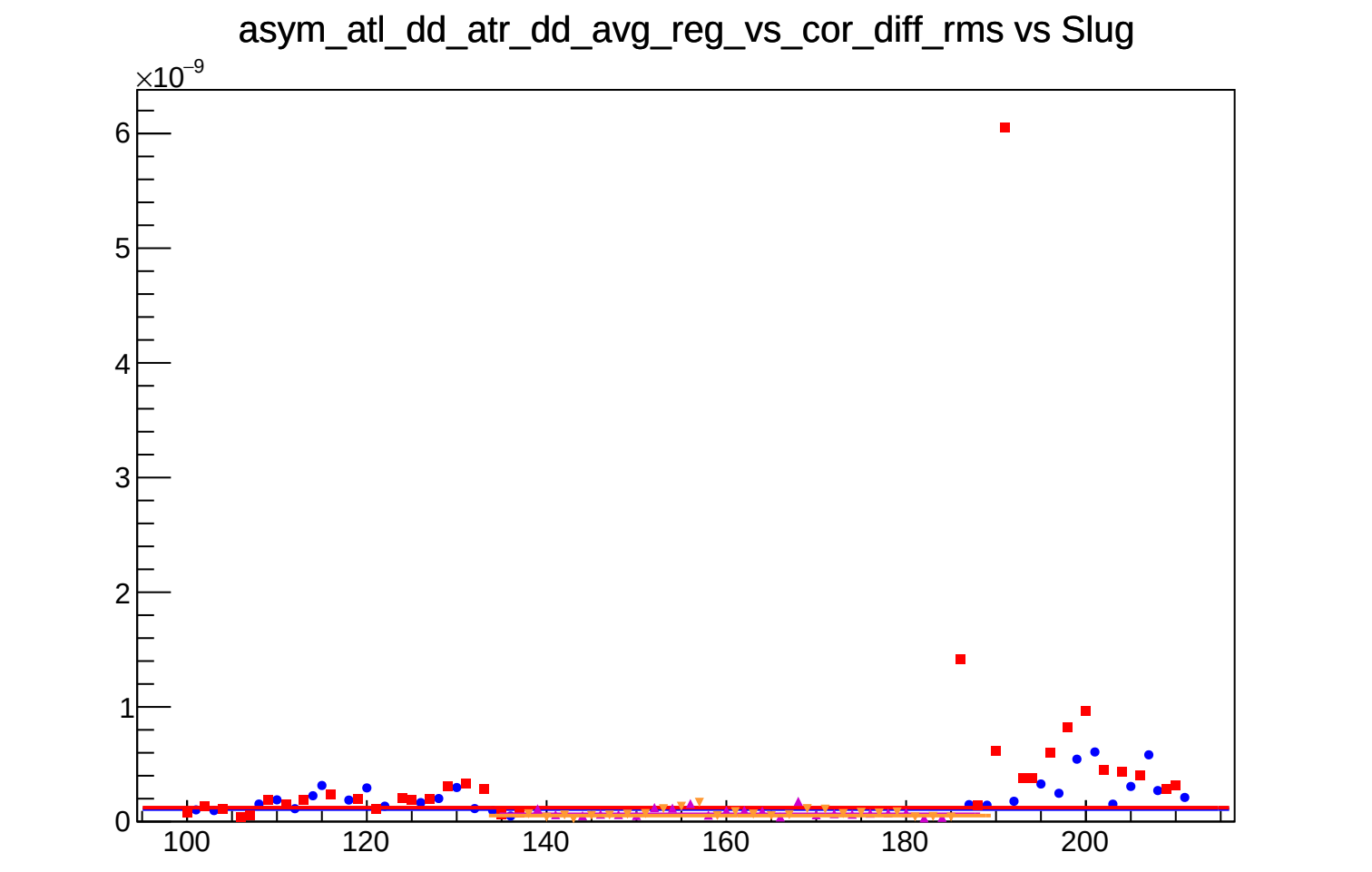
Right Out: -0.000+/-0.000 χ^2/NDF: 34.0/32

Left In: -0.000+/-0.000 χ^2/NDF:17.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 65.3/52

All: -0.000+/-0.000 χ^2/NDF: 116.5/108

- sign -0.000+/-0.000 χ^2/NDF: 51.0/55



Right In: 0.000+/-0.000 χ^2/NDF: 4440393.0/27

Left Out: 0.000+/-0.000 χ^2/NDF:2628519.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6903744.1/32

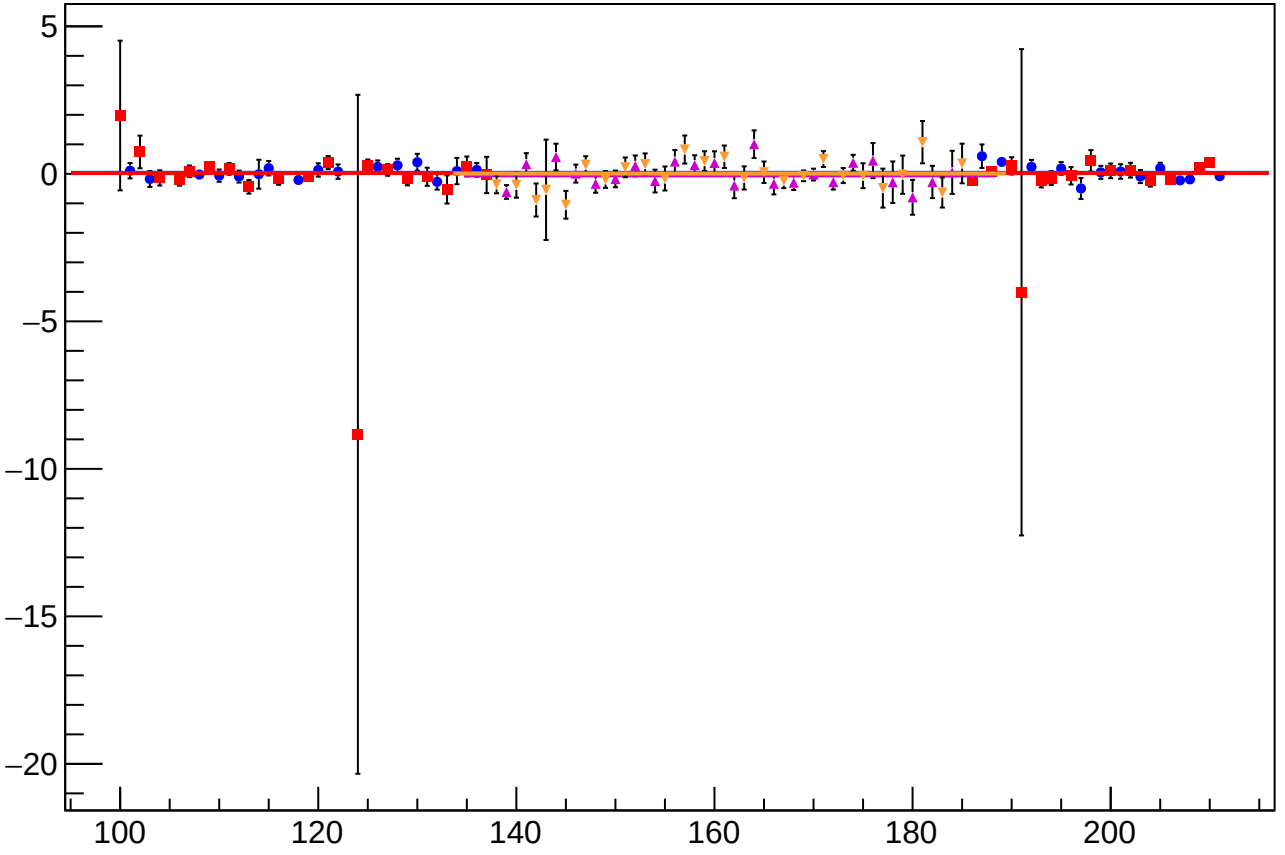
Left In: 0.000+/-0.000 χ^2/NDF:1788279.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 8911867.4/52

All: 0.000+/-0.000 χ^2/NDF: 19502618.3/108

- sign 0.000+/-0.000 χ^2/NDF: 10291343.2/55

asym_atl_dd_atr_dd_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.034+/-0.041 χ^2/NDF: 27.2/27

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: 0.028+/-0.037 χ^2/NDF: 39.8/32

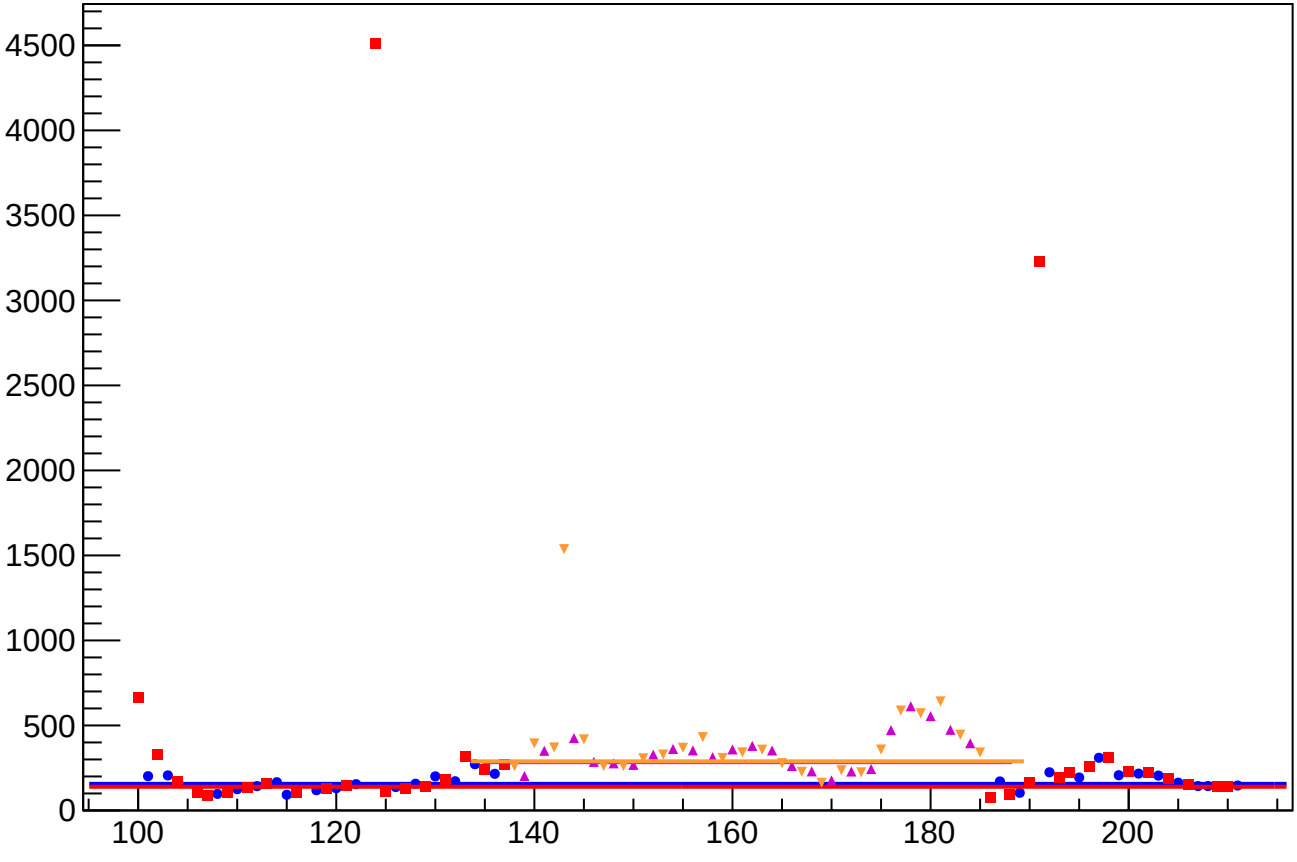
Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.028+/-0.035 χ^2/NDF: 56.2/52

All: 0.019+/-0.024 χ^2/NDF: 125.0/108

- sign 0.011+/-0.032 χ^2/NDF: 68.6/55

asym_atl_dd_atr_dd_avg_dit_vs_cor_diff_rms vs Slug



Right In: 156.412+/-0.029 χ^2/NDF: 2259628.0/27

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

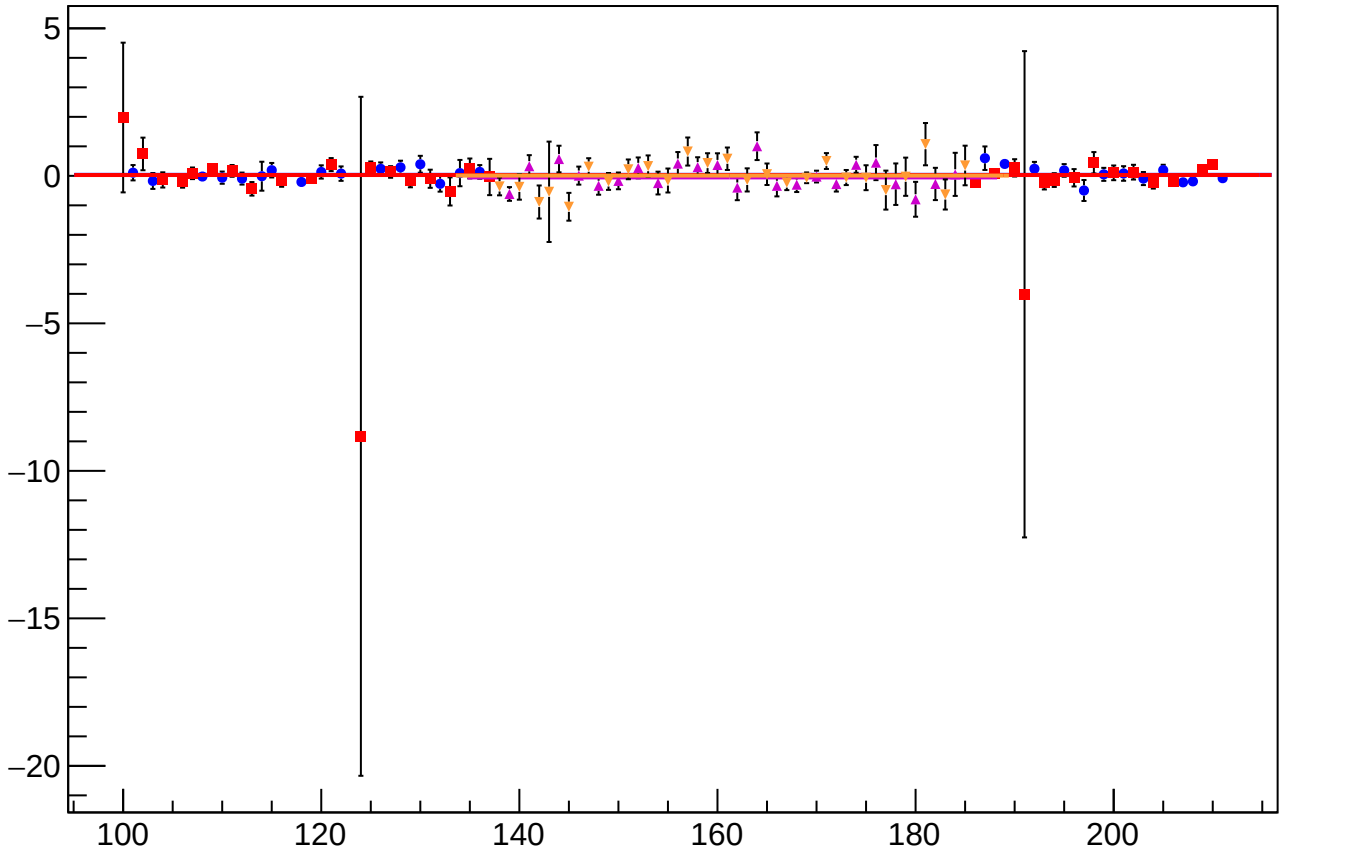
Right Out: 139.371+/-0.026 χ^2/NDF: 4675066.3/32

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

+ sign 189.126+/-0.025 χ^2/NDF: 12151654.7/52

All: 178.796+/-0.017 χ^2/NDF: 26885972.5/10

- sign 170.076+/-0.023 χ^2/NDF: 14418235.8/55



Right In: 0.034+/-0.041 χ^2/NDF: 27.2/27

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

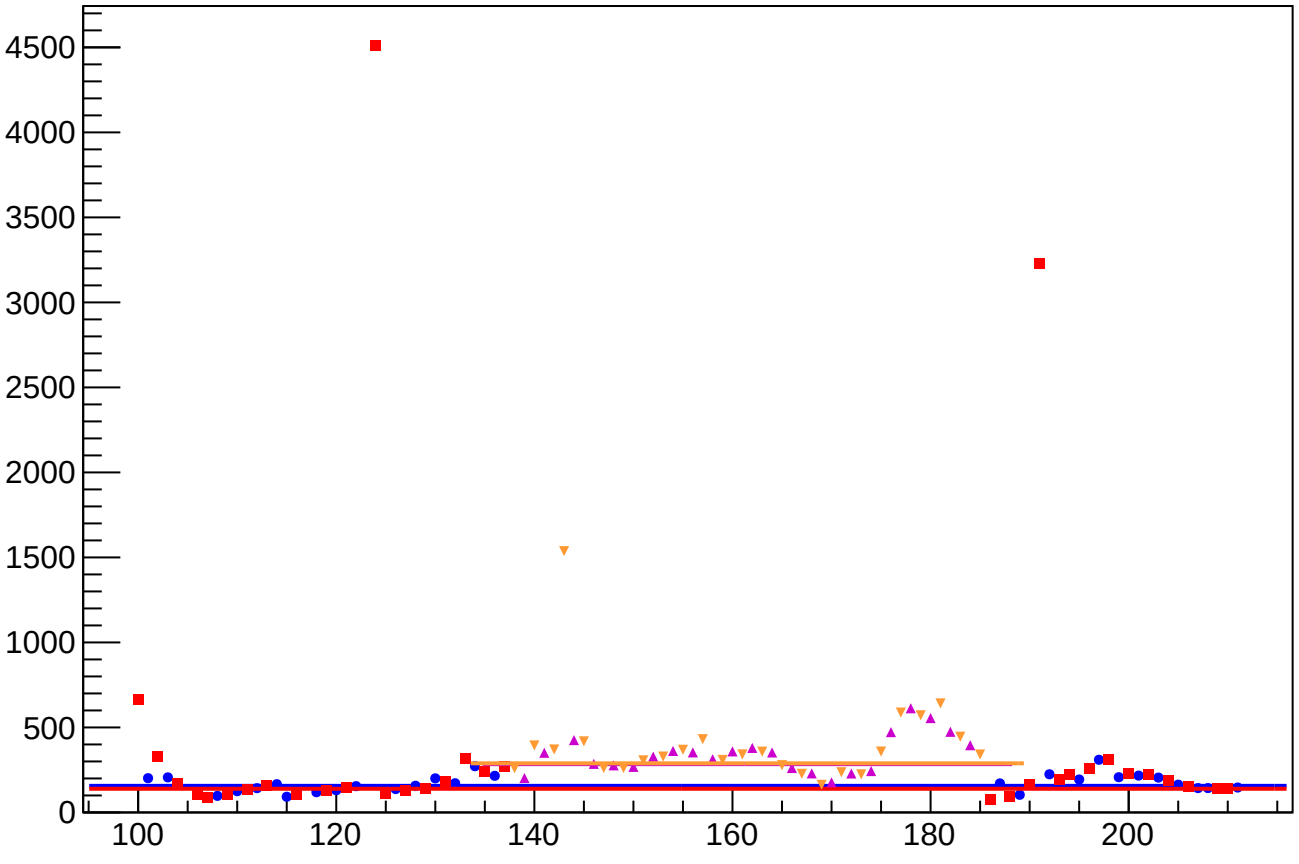
Right Out: 0.028+/-0.037 χ^2/NDF: 39.8/32

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.028+/-0.035 χ^2/NDF: 56.2/52

All: 0.019+/-0.024 χ^2/NDF: 125.0/108

- sign 0.011+/-0.032 χ^2/NDF: 68.6/55



Right In: 156.412+/-0.029 χ^2/NDF: 2259628.0/27

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

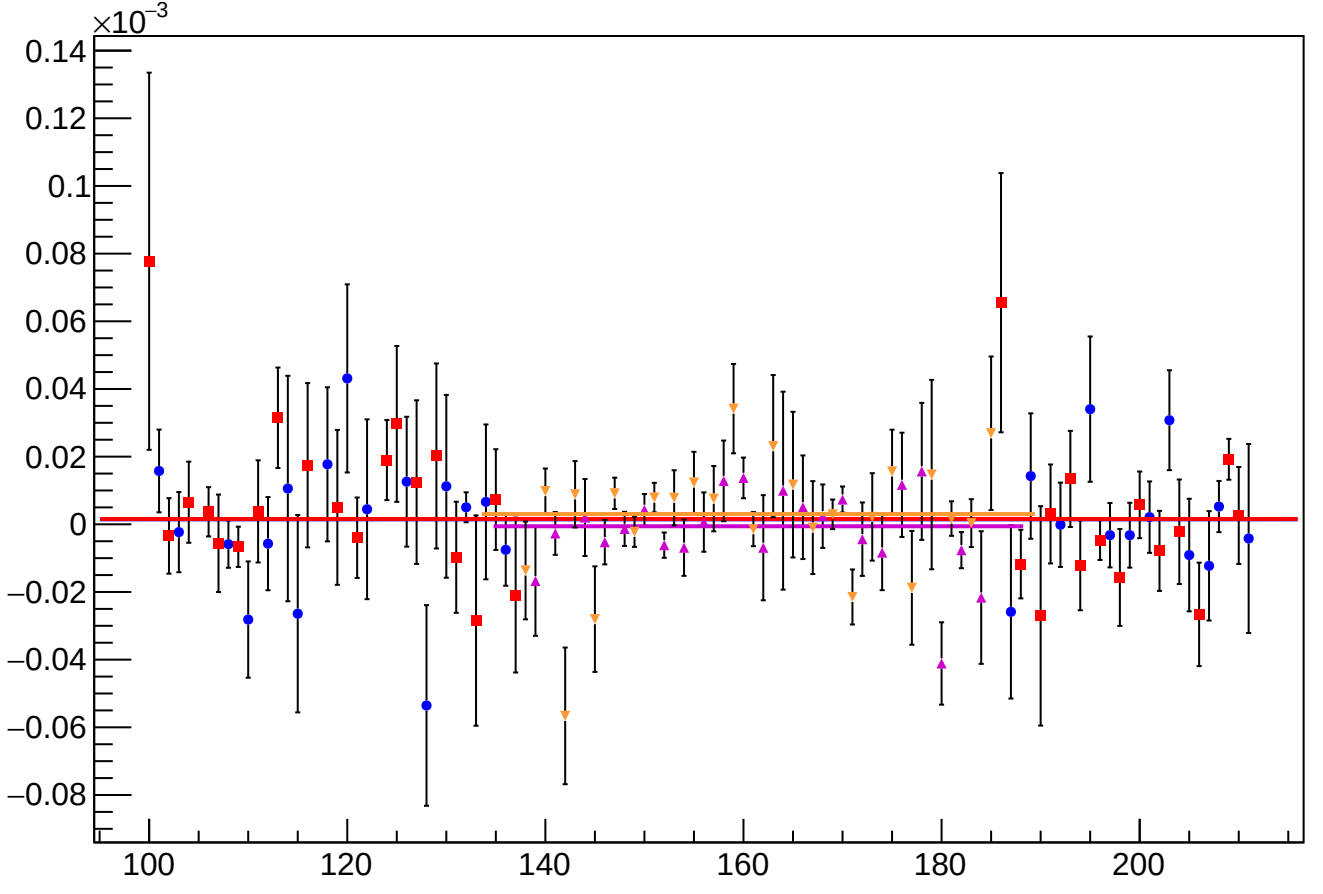
Right Out: 139.371+/-0.026 χ^2/NDF: 4675066.3/32

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

+ sign 189.126+/-0.025 χ^2/NDF: 12151654.7/52

All: 178.796+/-0.017 χ^2/NDF: 26885972.5/10

- sign 170.076+/-0.023 χ^2/NDF: 14418235.8/55



Right In: 0.000+/-0.000 χ^2/NDF: 24.7/27

Left Out: 0.000+/-0.000 χ^2/NDF:42.2/24

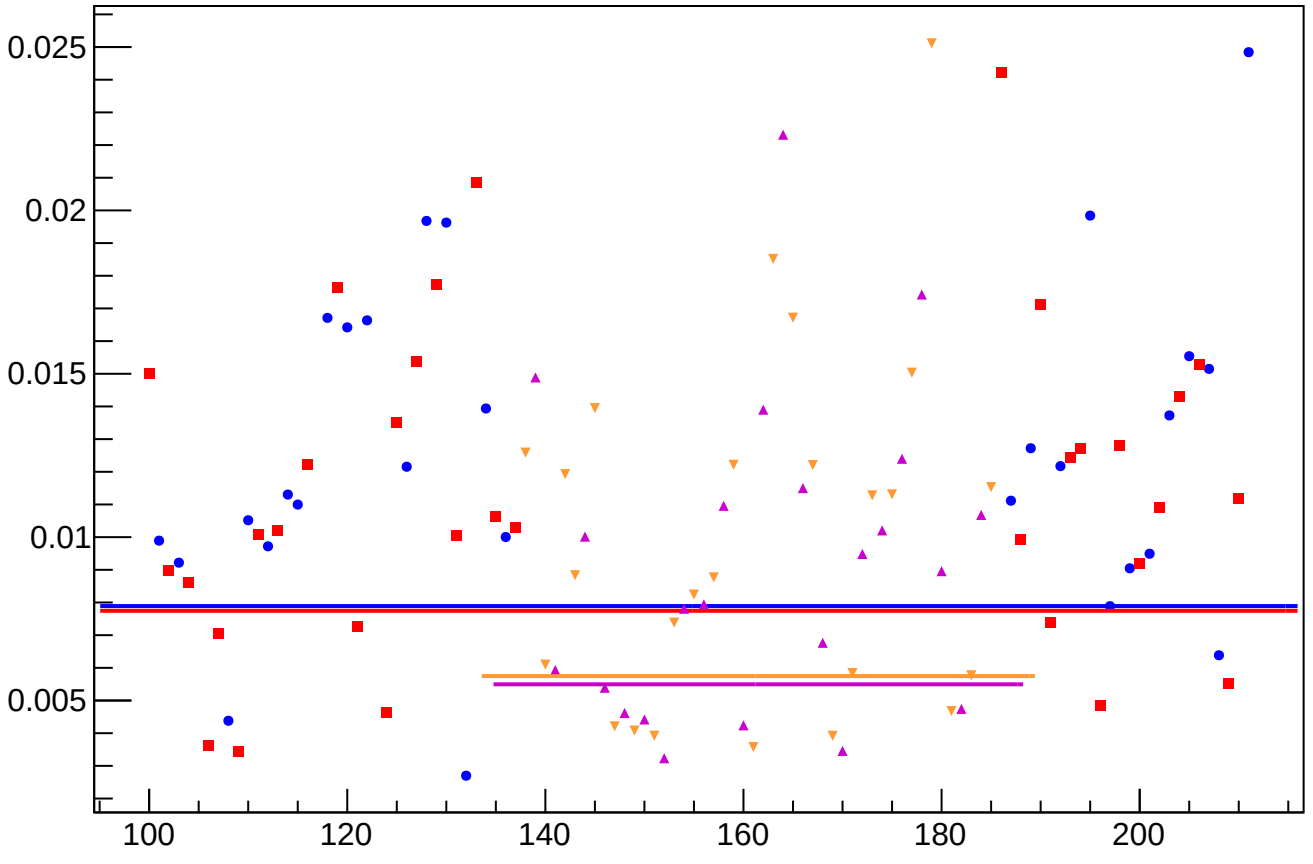
Right Out: 0.000+/-0.000 χ^2/NDF: 38.5/32

Left In: -0.000+/-0.000 χ^2/NDF:33.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 67.2/52

All: 0.000+/-0.000 χ^2/NDF: 141.5/108

- sign 0.000+/-0.000 χ^2/NDF: 72.4/55



Right In: 0.008+/-0.000 χ^2/NDF: 8228884.2/27

Left Out: 0.006+/-0.000 χ^2/NDF:8128513.8/24

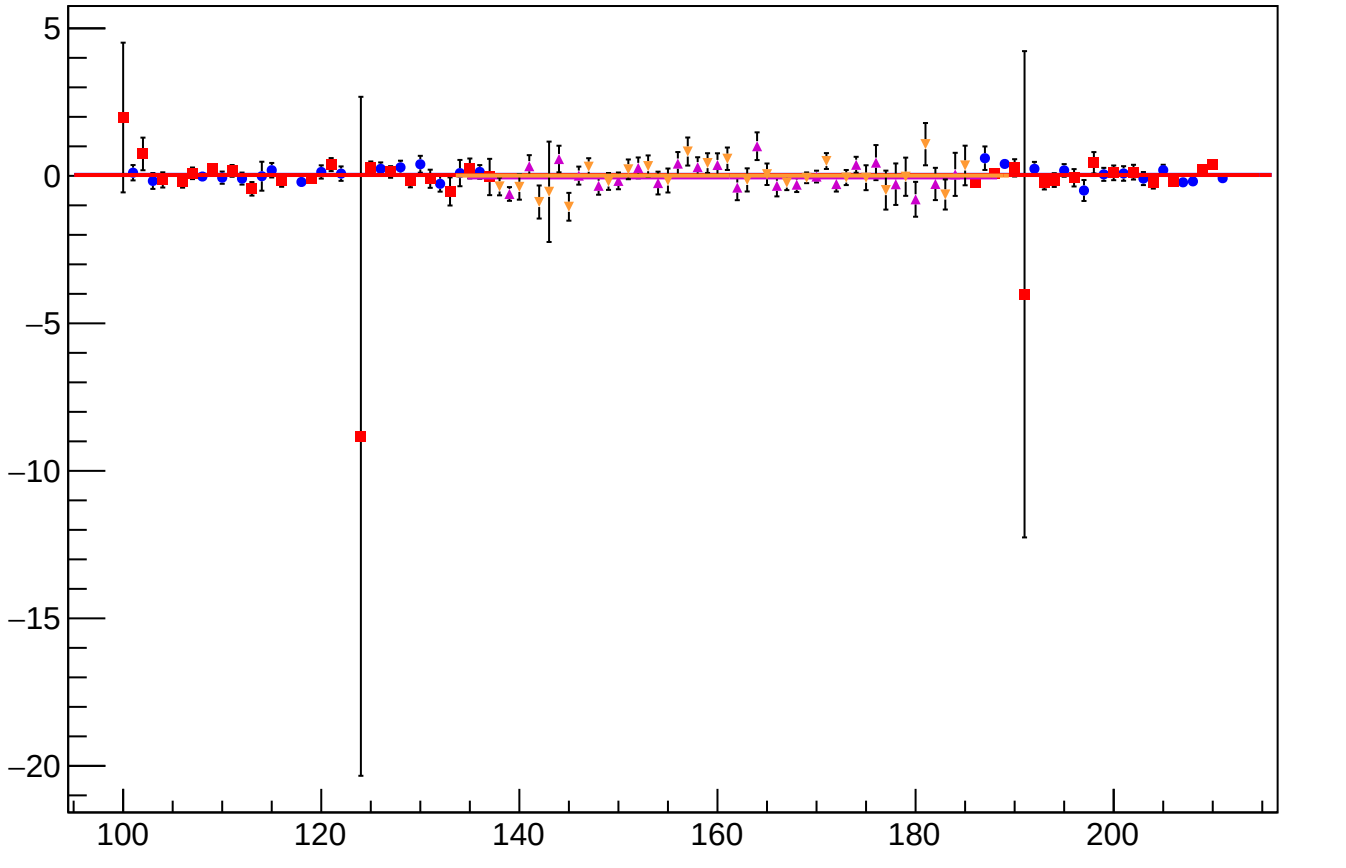
Right Out: 0.008+/-0.000 χ^2/NDF: 6826417.1/32

Left In: 0.005+/-0.000 χ^2/NDF:6937299.0/22

\+ sign 0.006+/-0.000 χ^2/NDF: 17576058.8/52

All: 0.006+/-0.000 χ^2/NDF: 32870249.2/108

\- sign 0.006+/-0.000 χ^2/NDF: 15282559.7/55



Right In: 0.034+/-0.041 χ^2/NDF: 27.2/27

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: 0.028+/-0.037 χ^2/NDF: 39.8/32

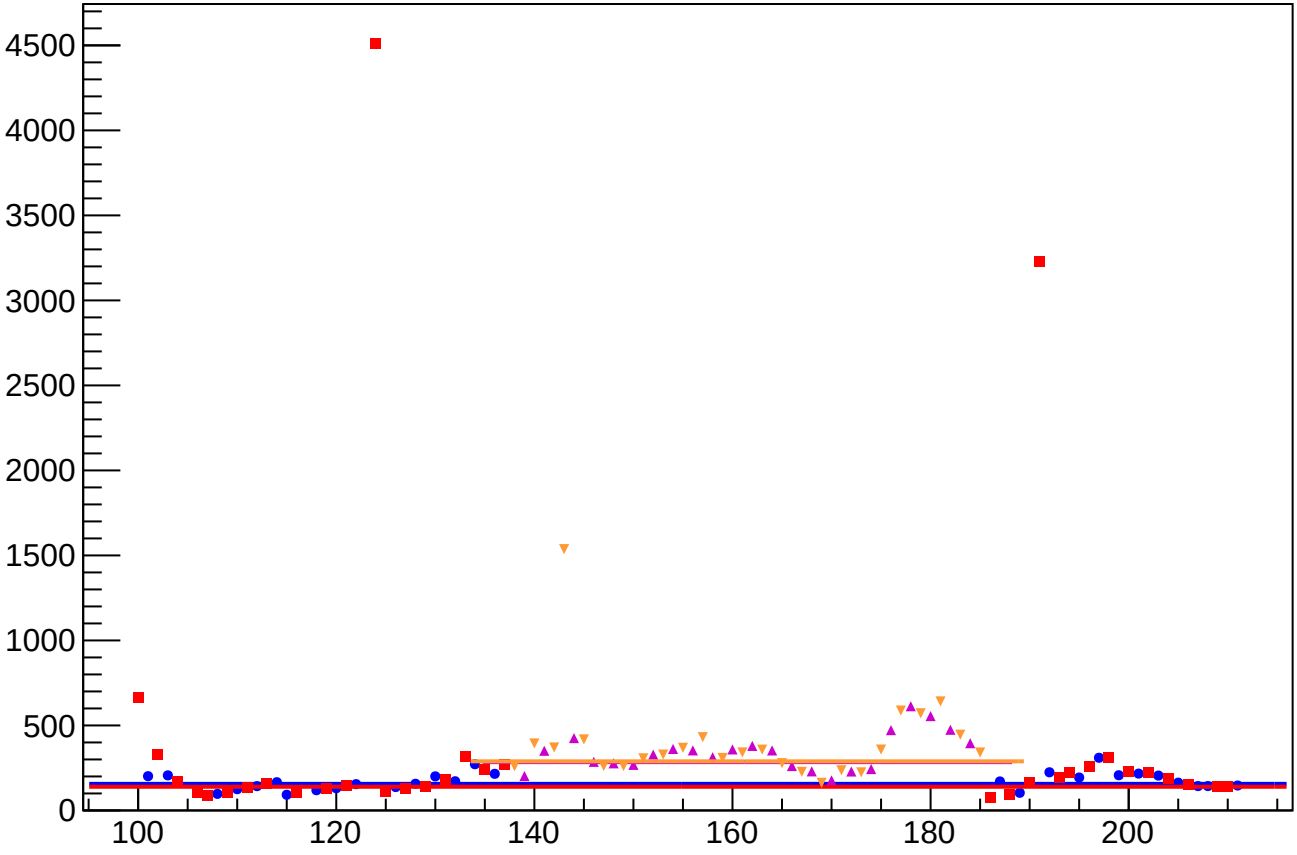
Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.028+/-0.035 χ^2/NDF: 56.2/52

All: 0.019+/-0.024 χ^2/NDF: 125.0/108

- sign 0.011+/-0.032 χ^2/NDF: 68.6/55

asym_atl_dd_atr_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 156.413+/-0.029 χ^2/NDF: 2259606.2/27

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

Right Out: 139.373+/-0.026 χ^2/NDF: 4674905.7/32

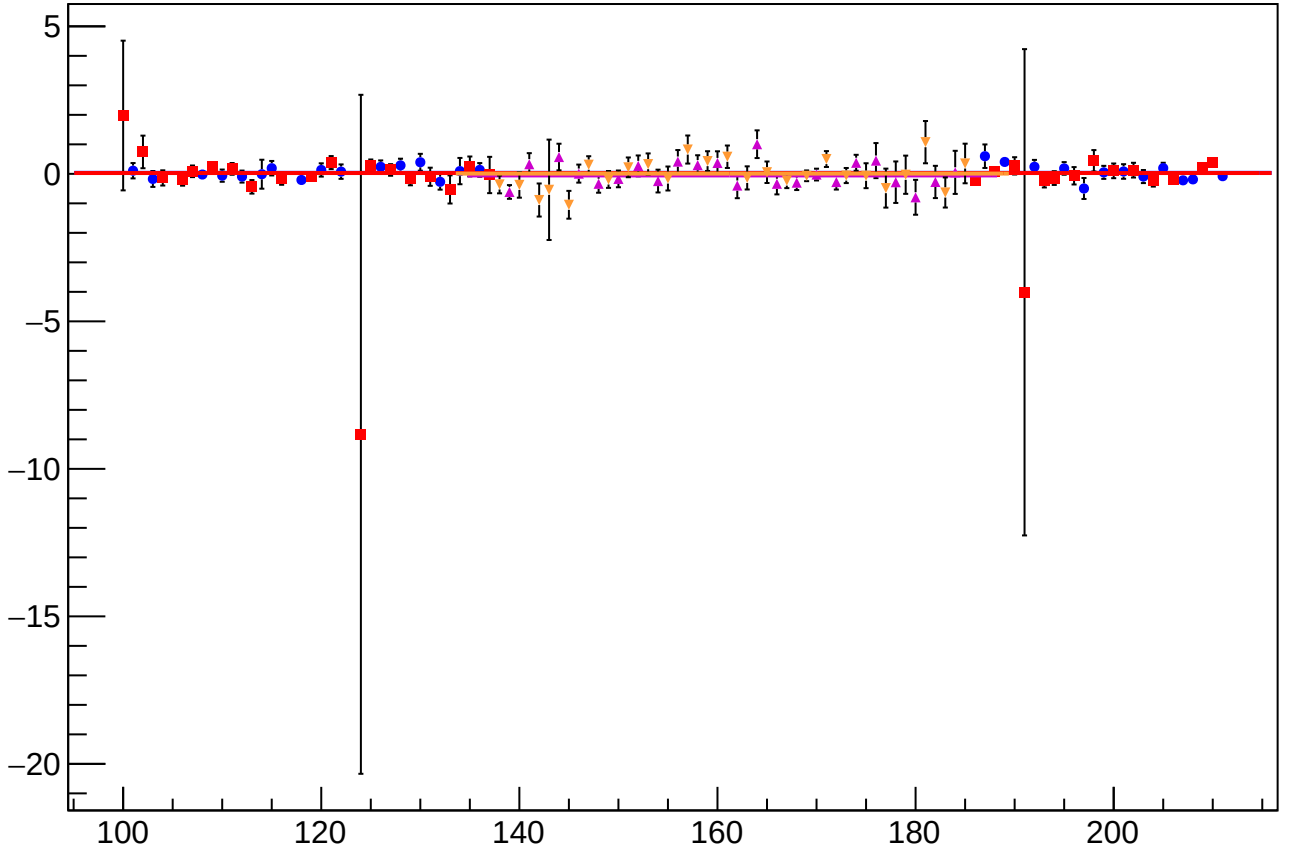
Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

+ sign 189.127+/-0.025 χ^2/NDF: 12151749.8/52

All: 178.797+/-0.017 χ^2/NDF: 26885847.4/10

- sign 170.078+/-0.023 χ^2/NDF: 14418060.8/55

asym_atl_dd_atr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.034+/-0.041 χ^2/NDF: 27.2/27

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

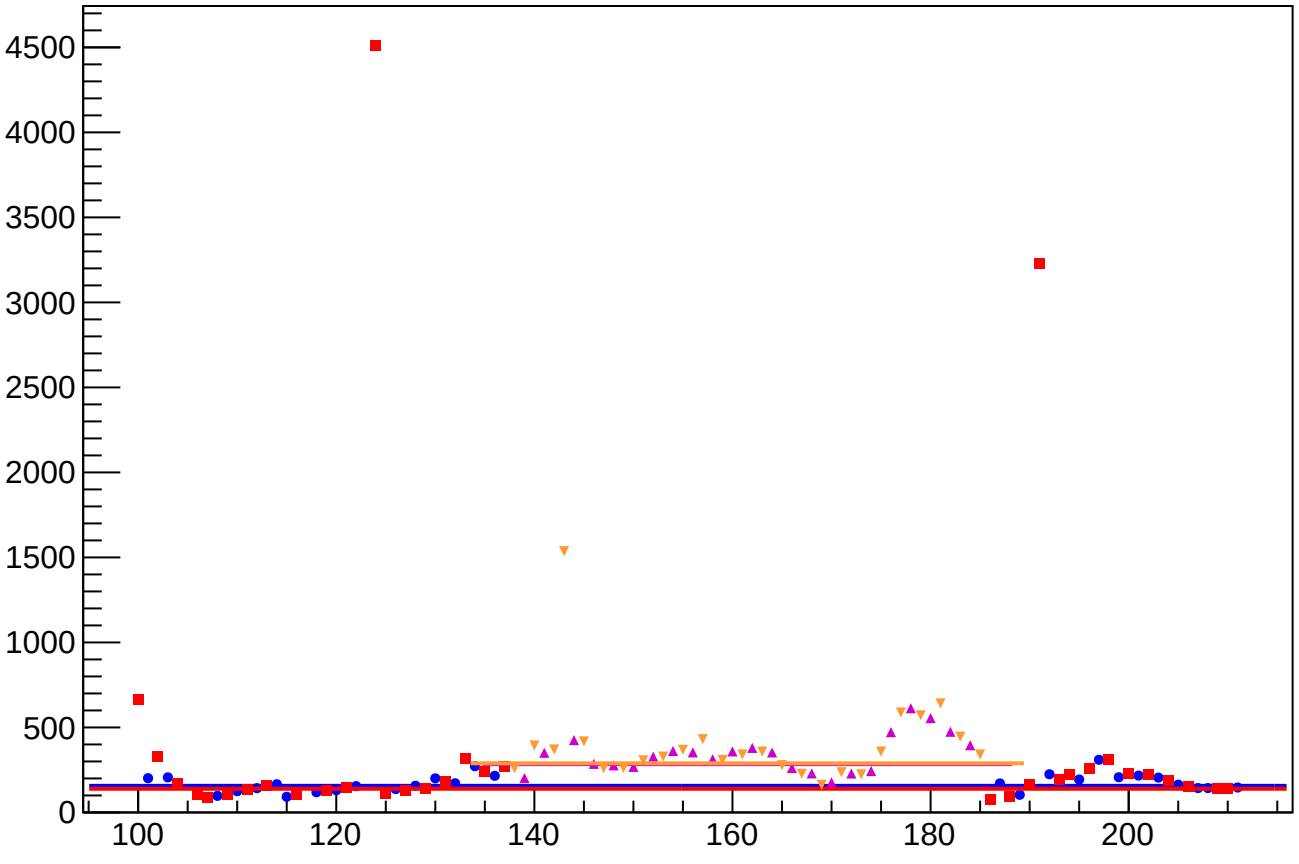
Right Out: 0.028+/-0.037 χ^2/NDF: 39.8/32

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.028+/-0.035 χ^2/NDF: 56.2/52

All: 0.019+/-0.024 χ^2/NDF: 125.0/108

- sign 0.011+/-0.032 χ^2/NDF: 68.6/55



Right In: 156.413+/-0.029 χ^2/NDF: 2259606.2/27

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

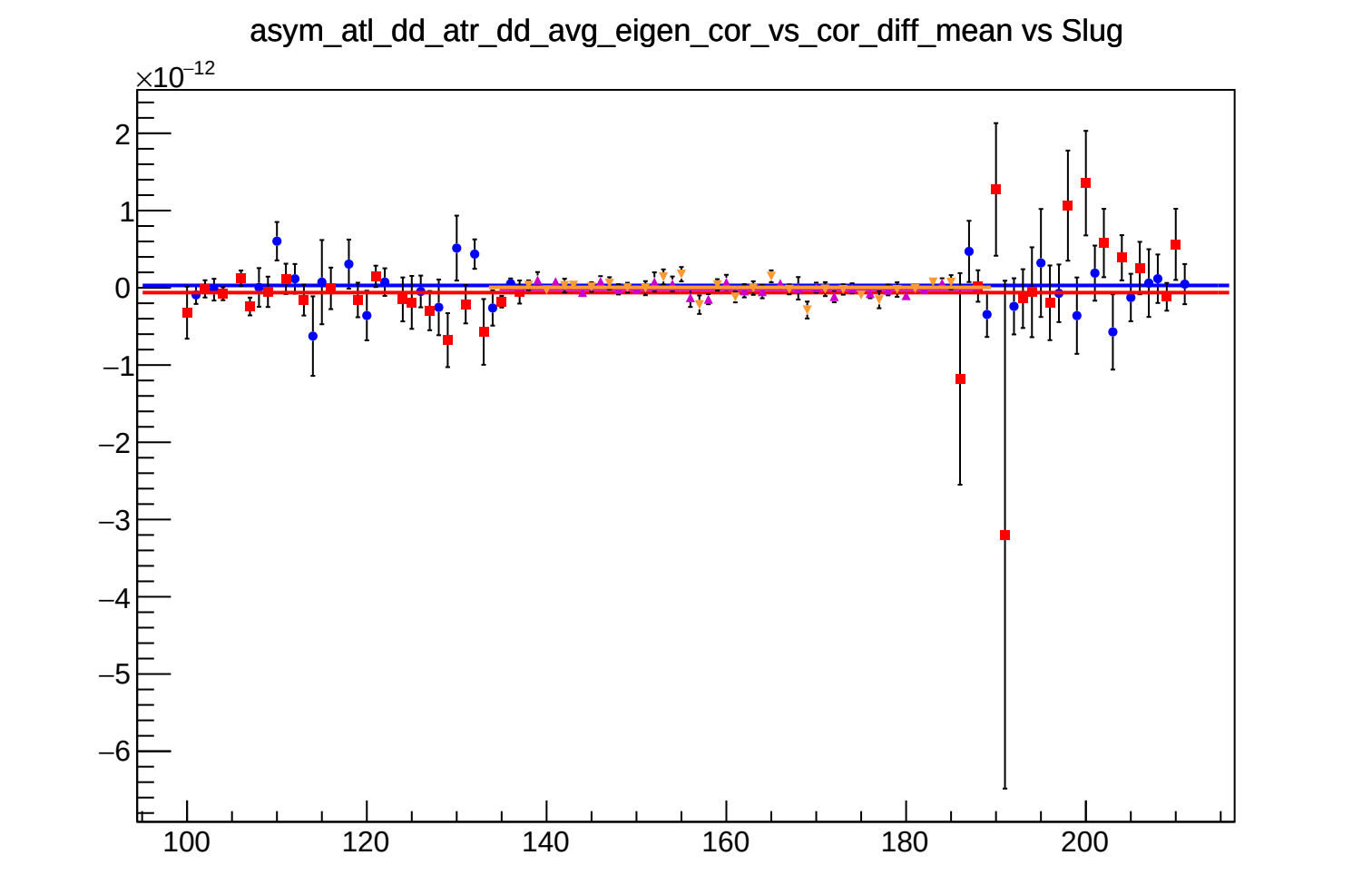
Right Out: 139.373+/-0.026 χ^2/NDF: 4674905.7/32

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

+ sign 189.127+/-0.025 χ^2/NDF: 12151749.8/52

All: 178.797+/-0.017 χ^2/NDF: 26885847.4/10

- sign 170.078+/-0.023 χ^2/NDF: 14418060.8/55



Right In: 0.000+/-0.000 χ^2/NDF: 25.5/27

Left Out: 0.000+/-0.000 χ^2/NDF:34.1/24

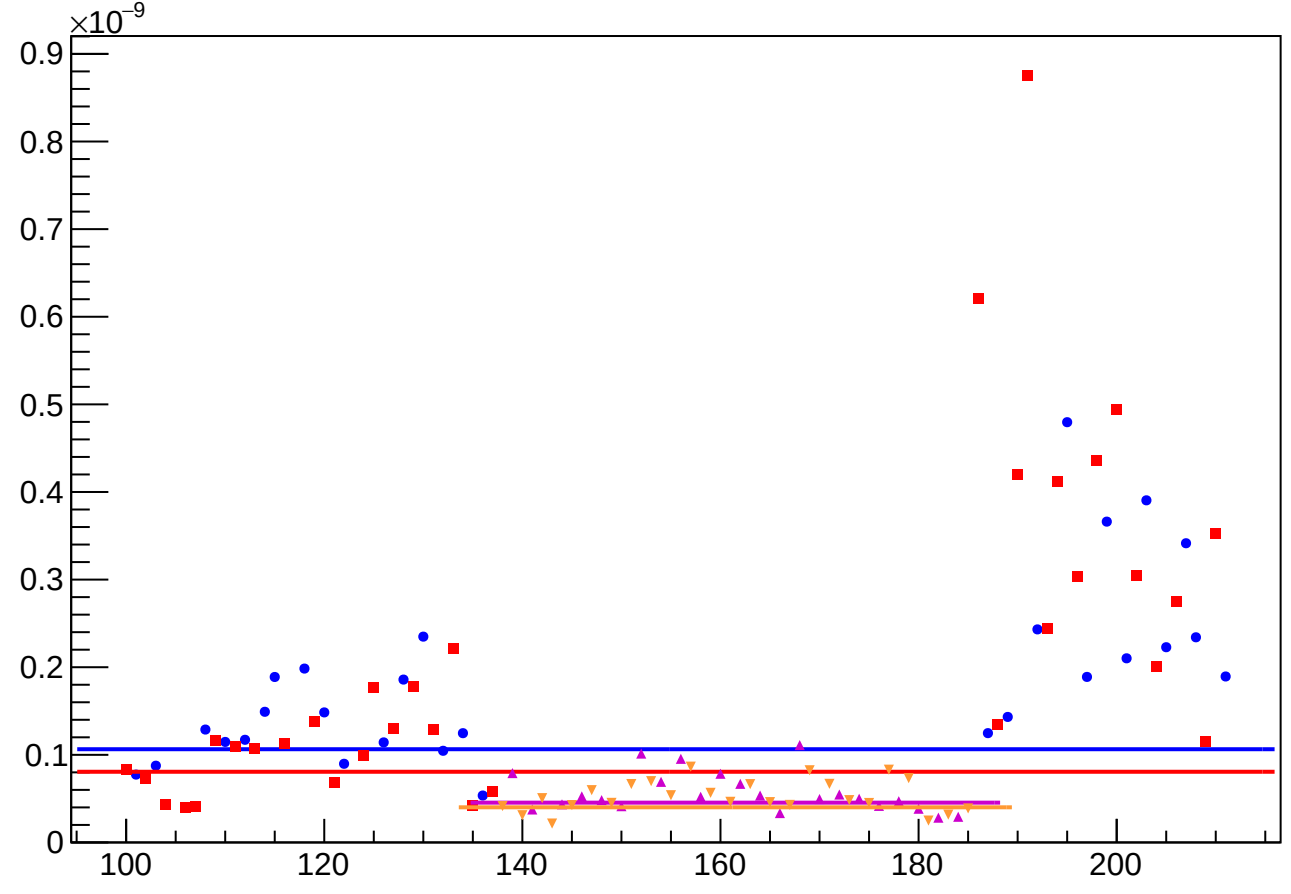
Right Out: -0.000+/-0.000 χ^2/NDF: 37.1/32

Left In: -0.000+/-0.000 χ^2/NDF:23.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 60.0/52

All: -0.000+/-0.000 χ^2/NDF: 125.1/108

- sign -0.000+/-0.000 χ^2/NDF: 62.2/55



Right In: 0.000+/-0.000 χ^2/NDF: 5790765.8/27

Left Out: 0.000+/-0.000 χ^2/NDF:3609934.1/24

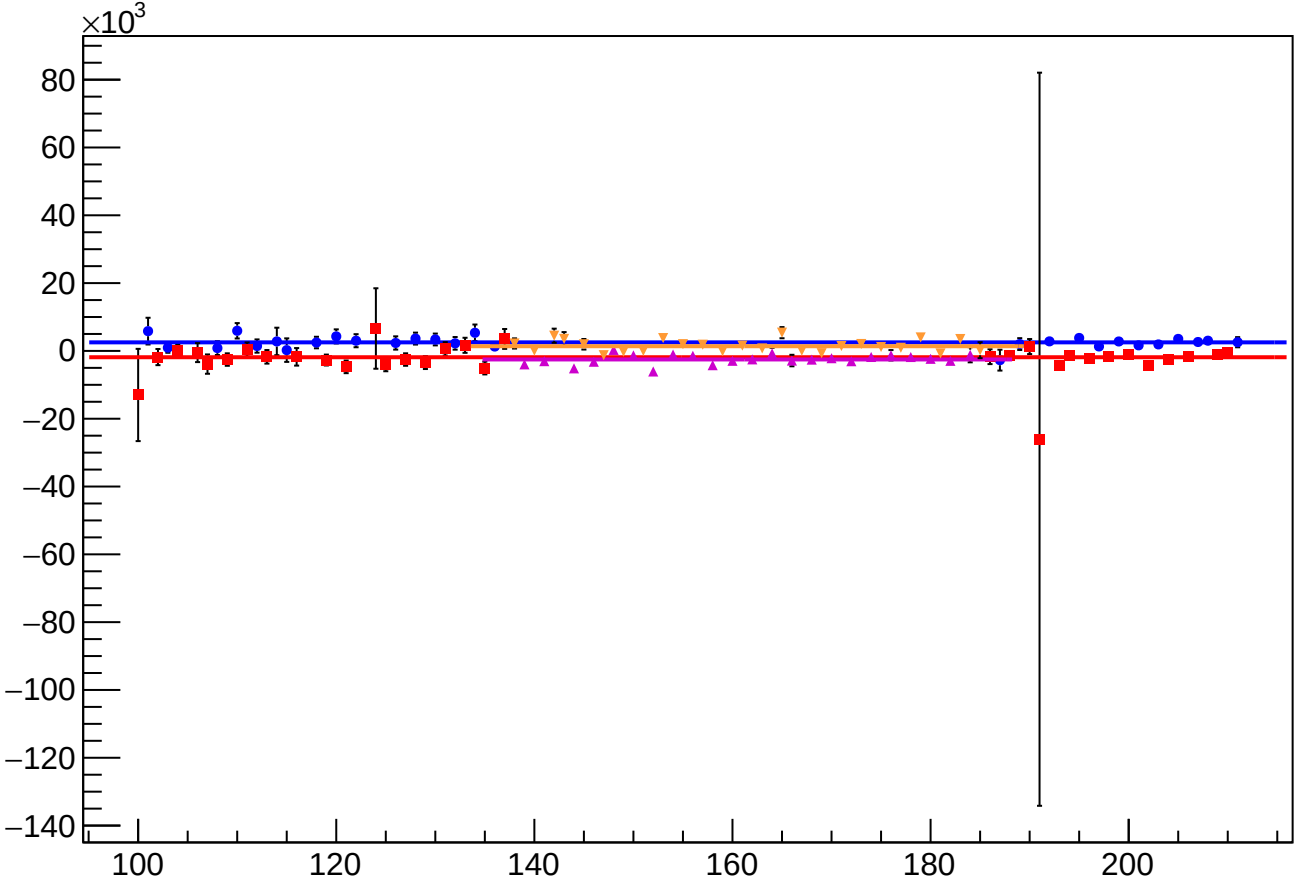
Right Out: 0.000+/-0.000 χ^2/NDF: 8402337.2/32

Left In: 0.000+/-0.000 χ^2/NDF:2780344.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 14529045.3/52

All: 0.000+/-0.000 χ^2/NDF: 27893985.3/108

- sign 0.000+/-0.000 χ^2/NDF: 13207014.5/55



Right In: 2522.392+/-320.659 χ^2/NDF: 14.9/27

Left Out: 1383.252+/-292.777 χ^2/NDF:32.9/24

Right Out: -1864.212+/-312.948 χ^2/NDF: 29.5/32

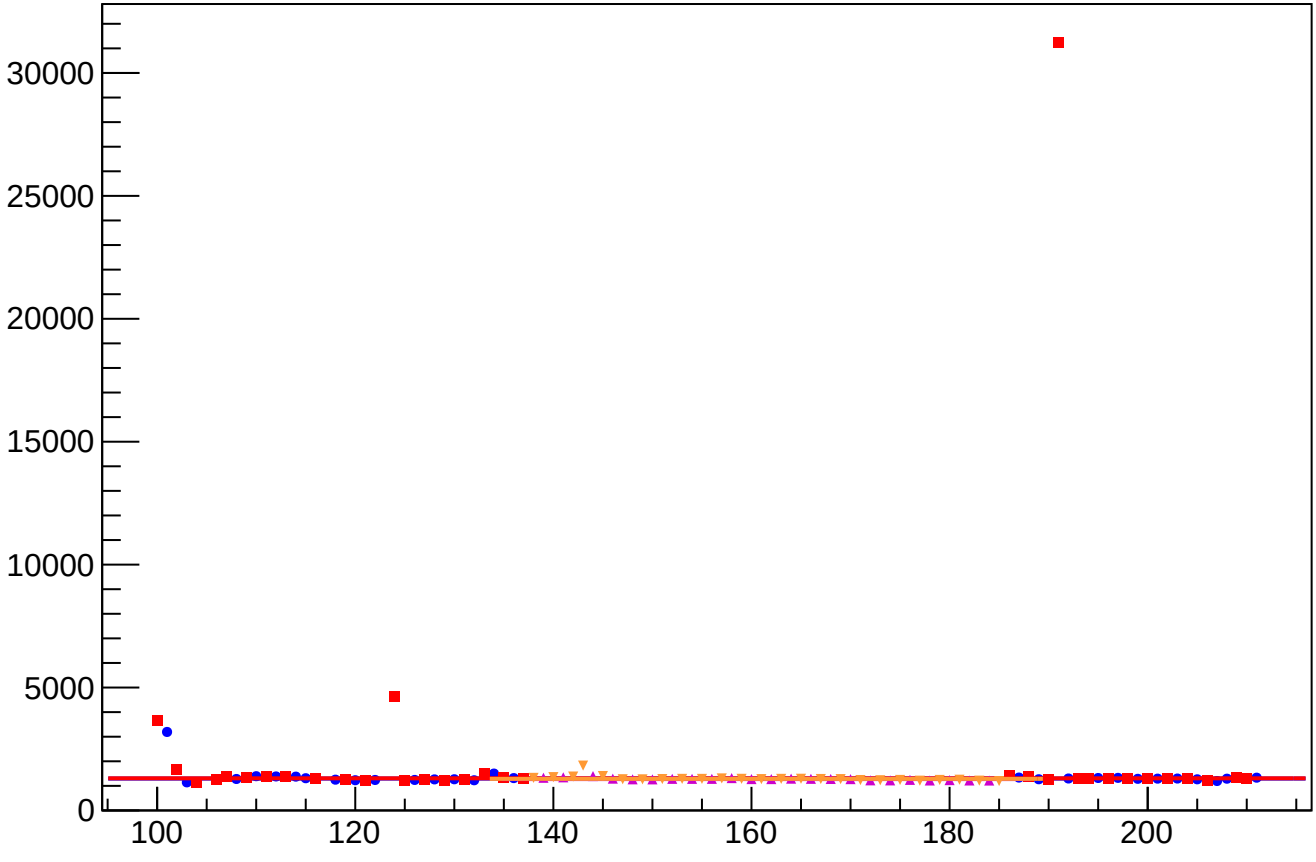
Left In: -2519.365+/-298.095 χ^2/NDF:22.5/22

+ sign 1901.151+/-216.211 χ^2/NDF: 54.7/52

All: -156.756+/-152.755 χ^2/NDF: 289.9/108

- sign -2207.704+/-215.845 χ^2/NDF: 54.3/55

reg_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1296.379+/-0.227 χ^2/NDF: 533514.0/27

Left Out: 1285.649+/-0.207 χ^2/NDF:191027.3/24

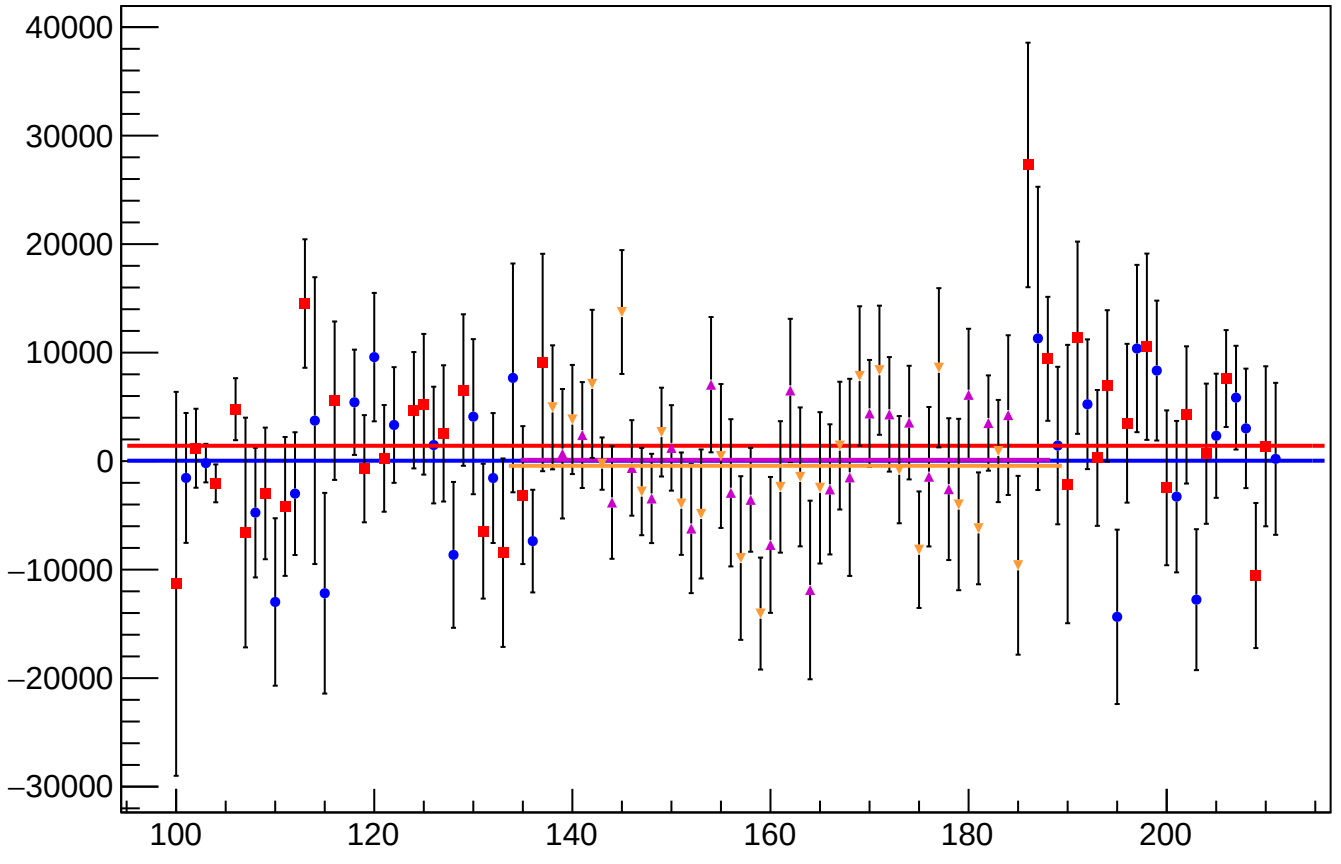
Right Out: 1307.513+/-0.221 χ^2/NDF: 505904.4/32

Left In: 1275.941+/-0.211 χ^2/NDF:41399.0/22

+ sign 1290.528+/-0.153 χ^2/NDF: 725762.6/52

All: 1290.753+/-0.108 χ^2/NDF: 1283755.3/10

- sign 1290.977+/-0.153 χ^2/NDF: 557988.3/55



Right In: 37.984+/-1008.551 χ^2/NDF: 29.2/27

Left Out: -428.530+/-1038.038 χ^2/NDF:29.8/24

Right Out: 1415.868+/-915.597 χ^2/NDF: 34.5/32

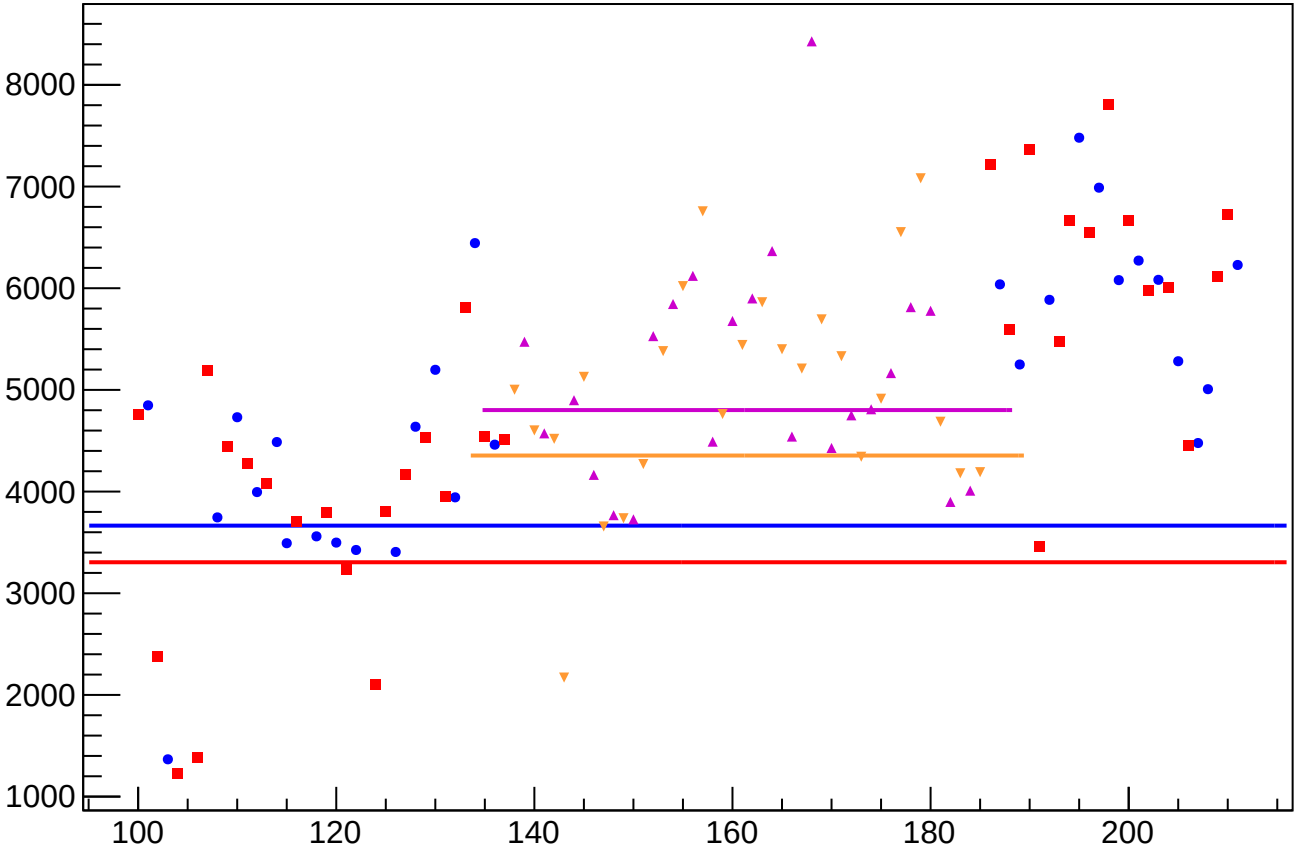
Left In: 119.335+/-1144.695 χ^2/NDF:13.6/22

+ sign -188.553+/-723.353 χ^2/NDF: 59.1/52

All: 367.101+/-508.512 χ^2/NDF: 109.2/108

- sign 910.011+/-715.010 χ^2/NDF: 48.9/55

asym_atl_avg_atr_avg_avg_reg_correction_rms vs Slug



Right In: 3665.003+/-0.713 χ^2/NDF: 6521101.9/27

Left Out: 4354.526+/-0.734 χ^2/NDF:3071436.3/24

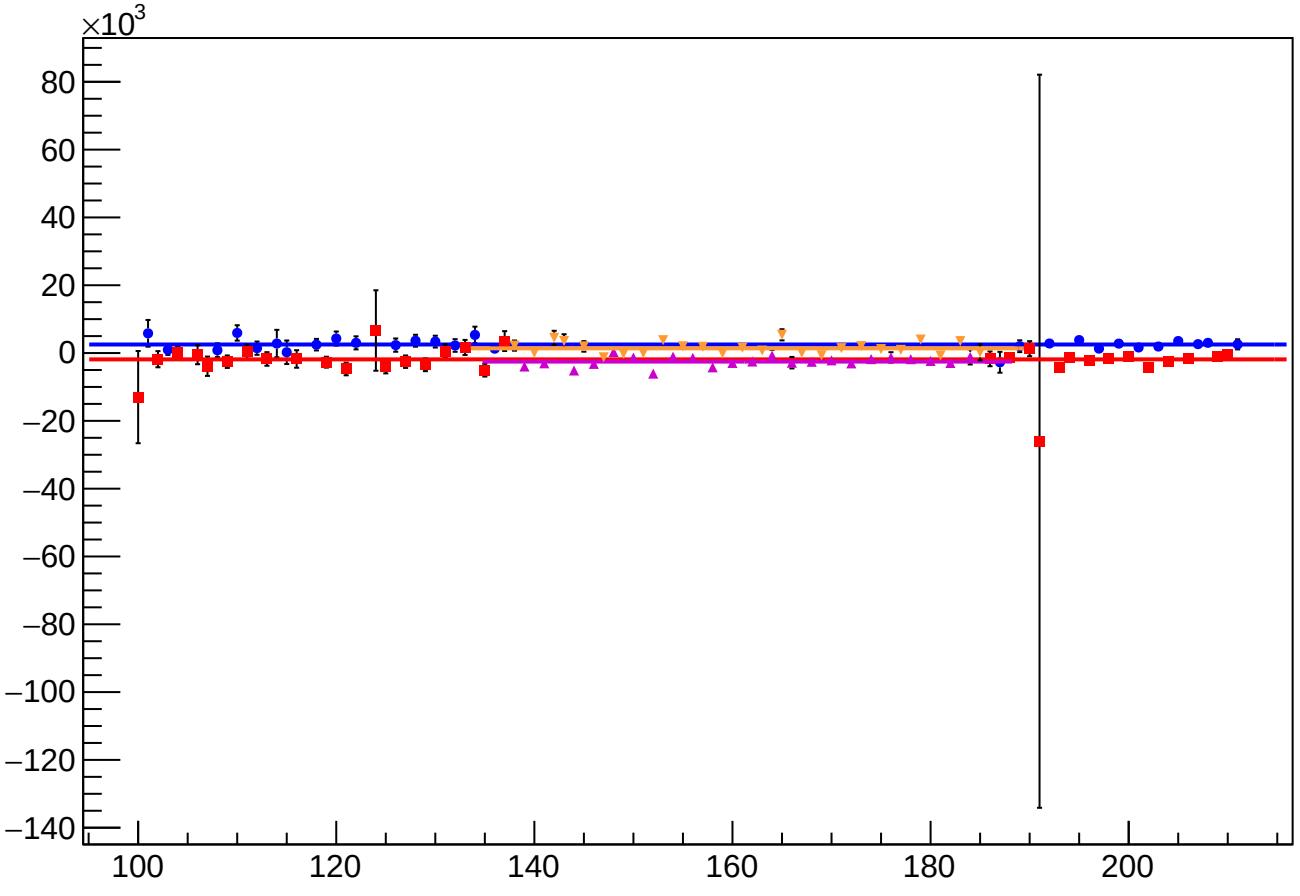
Right Out: 3304.837+/-0.647 χ^2/NDF: 9098588.4/32

Left In: 4801.573+/-0.809 χ^2/NDF:1231883.2/22

\+ sign 3999.832+/-0.511 χ^2/NDF: 10046486.3/52

All: 3943.674+/-0.360 χ^2/NDF: 22486030.1/1

\- sign 3888.805+/-0.506 χ^2/NDF: 12415711.3/55



Right In: 2522.311+/-320.659 χ^2/NDF: 14.9/27

Left Out: 1383.188+/-292.777 χ^2/NDF:32.9/24

Right Out: -1864.130+/-312.948 χ^2/NDF: 29.5/32

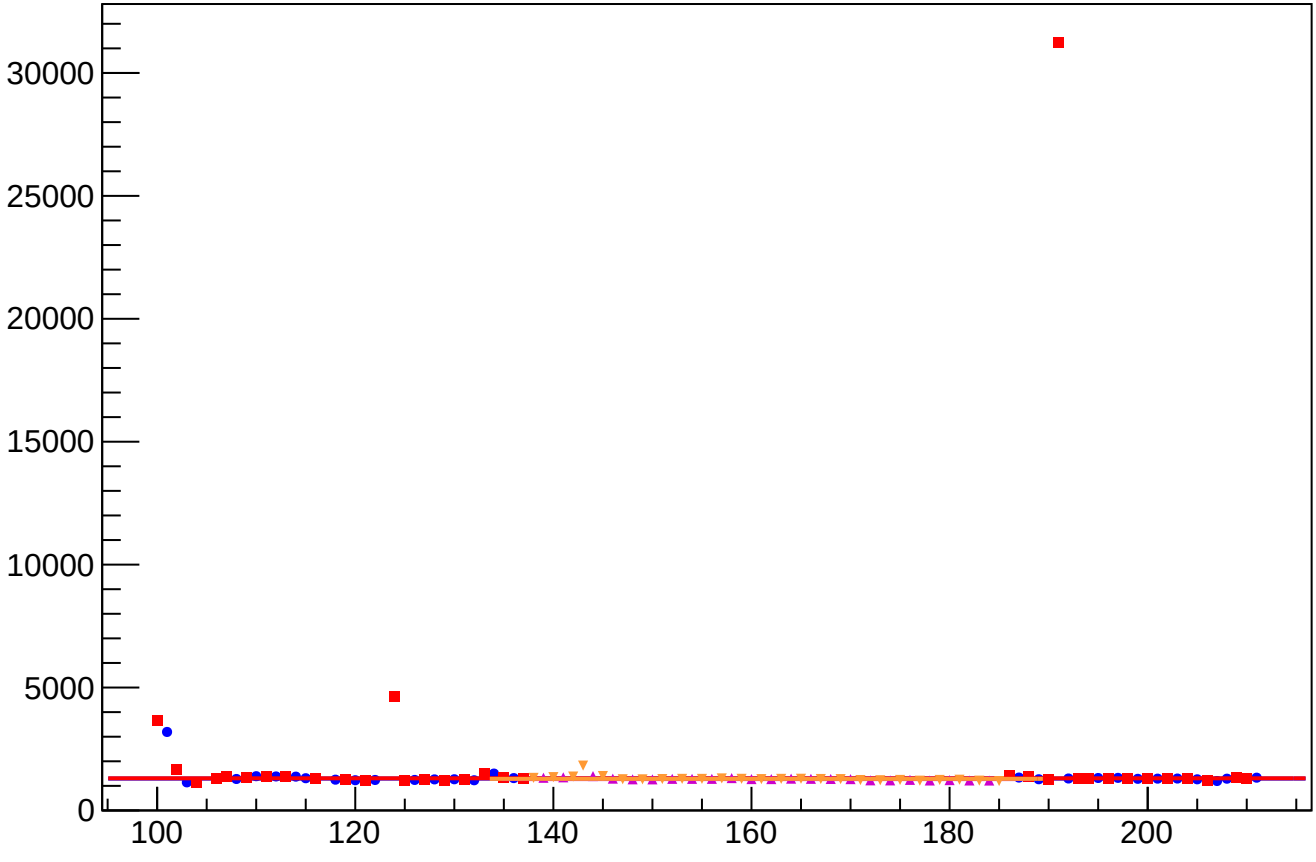
Left In: -2519.366+/-298.095 χ^2/NDF:22.5/22

+ sign 1901.079+/-216.211 χ^2/NDF: 54.7/52

All: -156.773+/-152.755 χ^2/NDF: 289.9/108

- sign -2207.665+/-215.845 χ^2/NDF: 54.3/55

cor_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1296.379+/-0.227 χ^2/NDF: 533515.4/27

Left Out: 1285.649+/-0.207 χ^2/NDF:191027.3/24

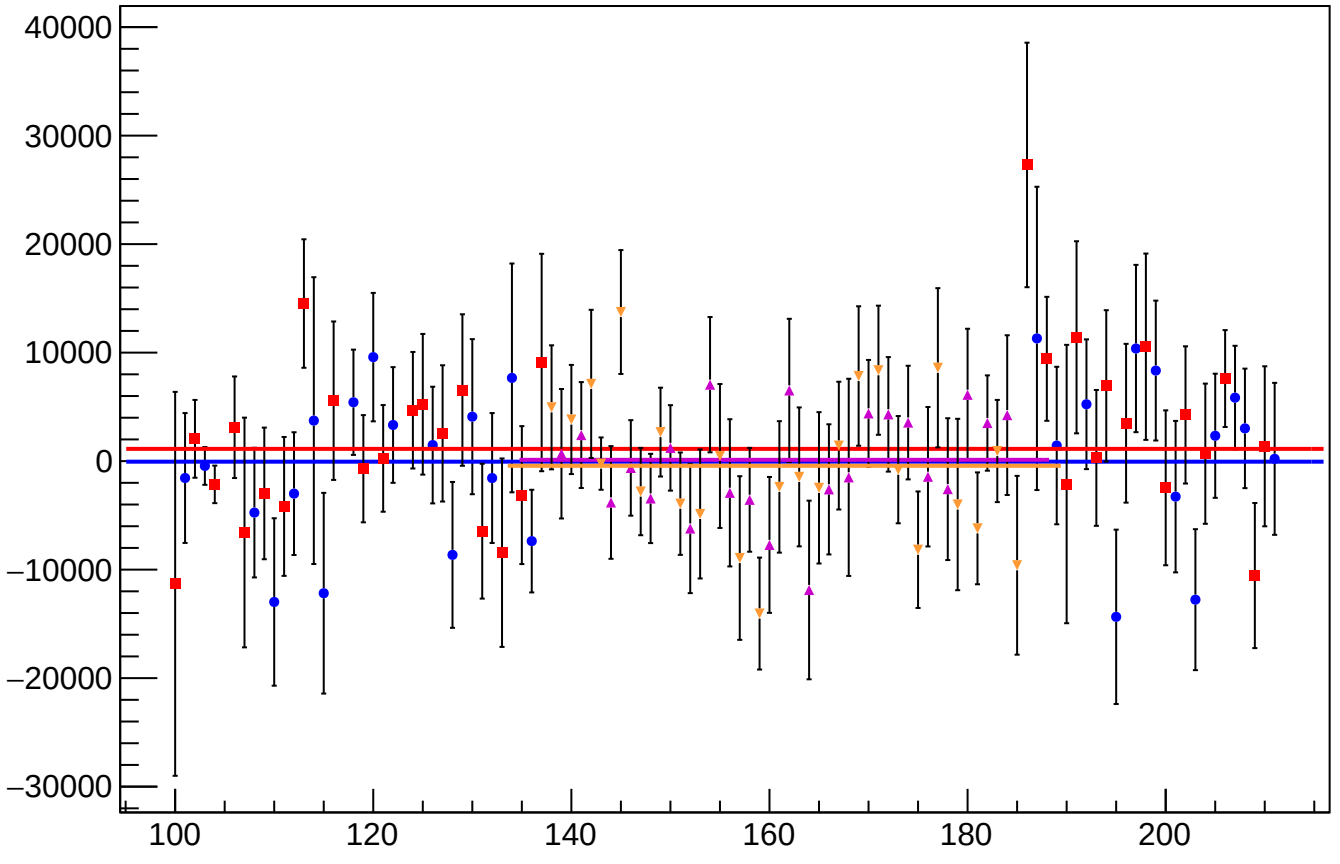
Right Out: 1307.961+/-0.221 χ^2/NDF: 505573.8/32

Left In: 1275.941+/-0.211 χ^2/NDF:41399.0/22

+ sign 1290.527+/-0.153 χ^2/NDF: 725764.1/52

All: 1290.857+/-0.108 χ^2/NDF: 1283732.4/10

- sign 1291.185+/-0.153 χ^2/NDF: 557959.1/55



Right In: -51.258+/-1002.224 χ^2/NDF: 29.2/27

Left Out: -428.525+/-1038.036 χ^2/NDF:29.8/24

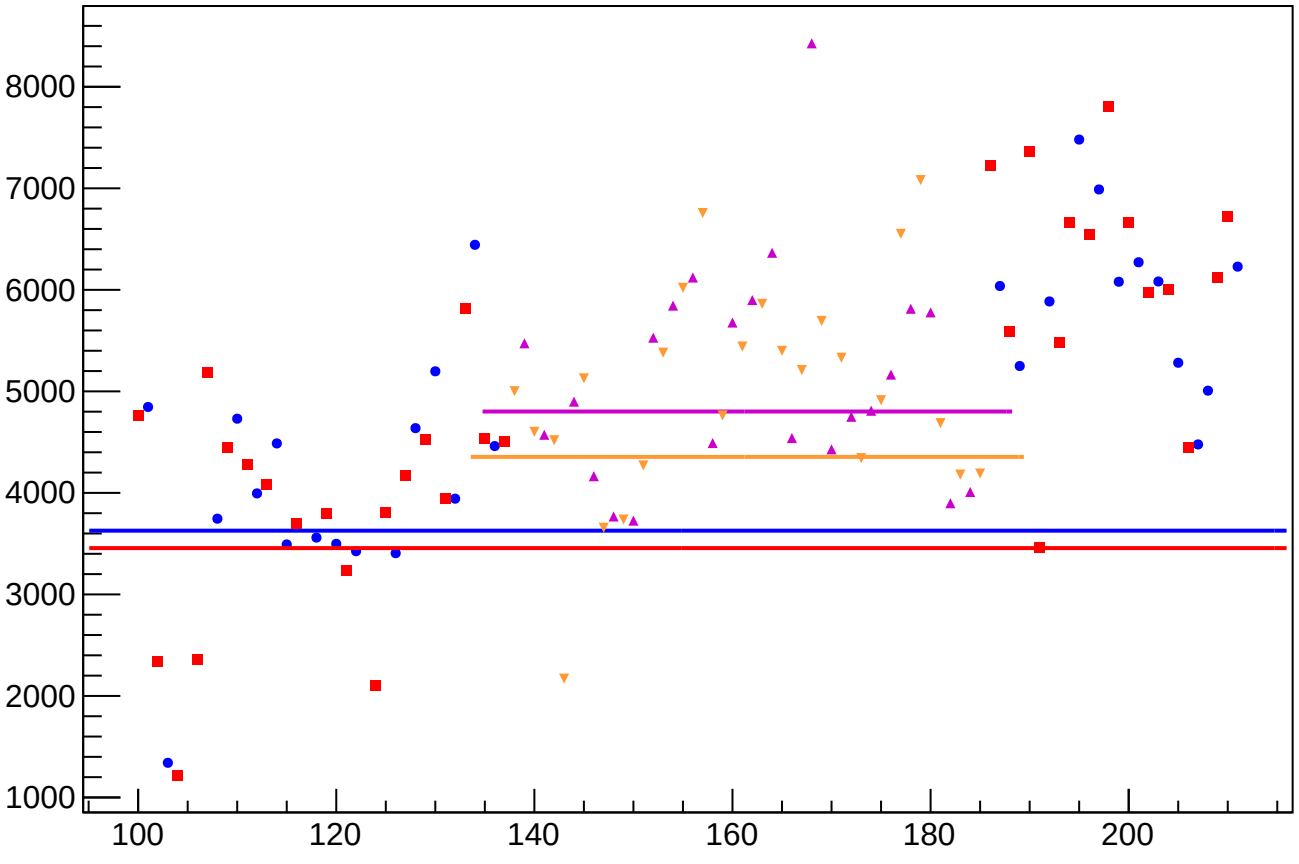
Right Out: 1130.144+/-943.094 χ^2/NDF: 33.5/32

Left In: 119.307+/-1144.695 χ^2/NDF:13.6/22

+ sign -233.271+/-721.007 χ^2/NDF: 59.1/52

All: 239.554+/-512.241 χ^2/NDF: 107.6/108

- sign 721.432+/-727.877 χ^2/NDF: 47.6/55



Right In: 3627.911+/-0.709 χ^2/NDF: 6726504.3/27

Left Out: 4354.511+/-0.734 χ^2/NDF:3071528.5/24

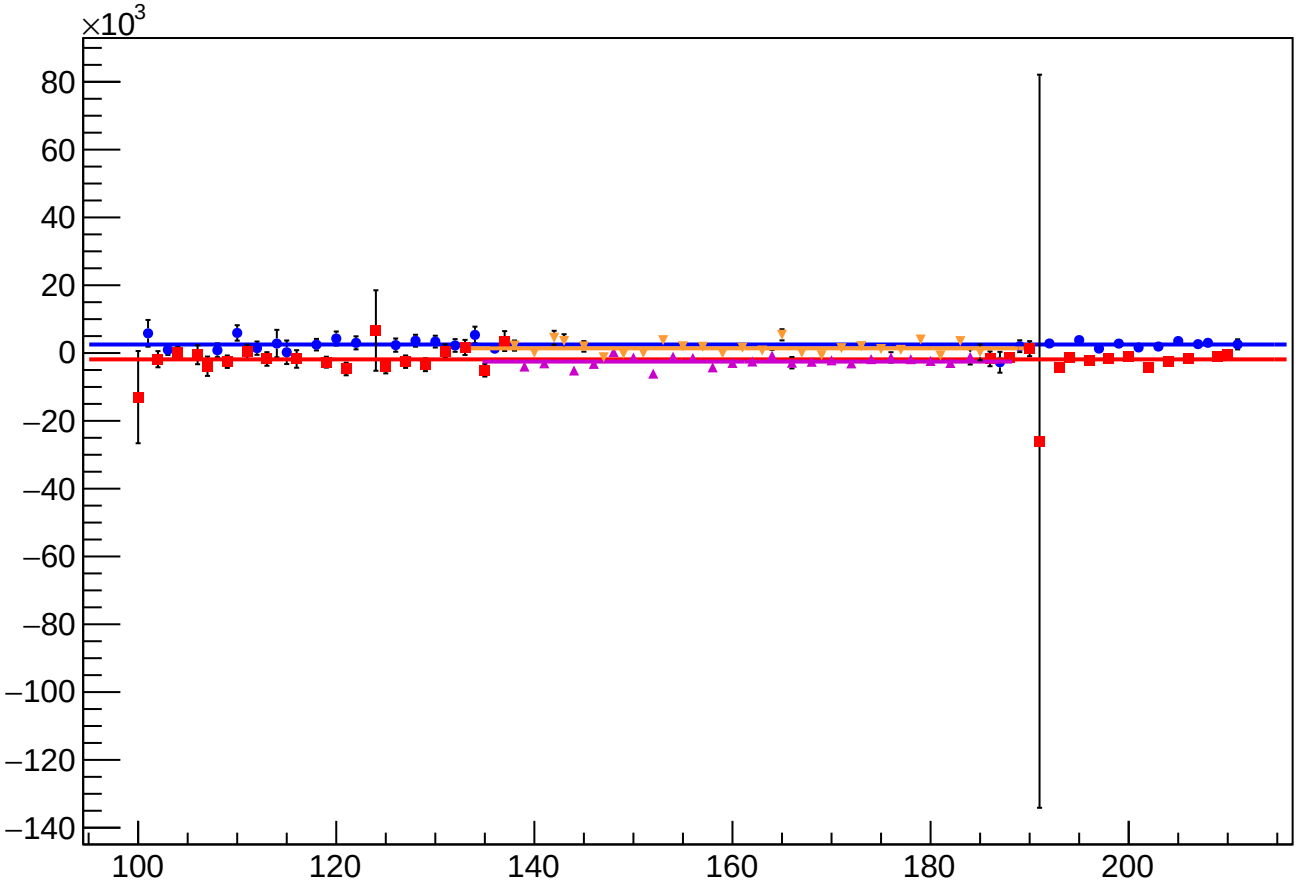
Right Out: 3456.286+/-0.667 χ^2/NDF: 8326836.7/32

Left In: 4801.570+/-0.809 χ^2/NDF:1231894.6/22

\+ sign 3978.461+/-0.510 χ^2/NDF: 10305193.9/52

All: 3989.240+/-0.362 χ^2/NDF: 21510277.2/1

\- sign 4000.225+/-0.515 χ^2/NDF: 11204180.8/55



Right In: 2522.311+/-320.659 χ^2/NDF: 14.9/27

Left Out: 1383.188+/-292.777 χ^2/NDF:32.9/24

Right Out: -1864.130+/-312.948 χ^2/NDF: 29.5/32

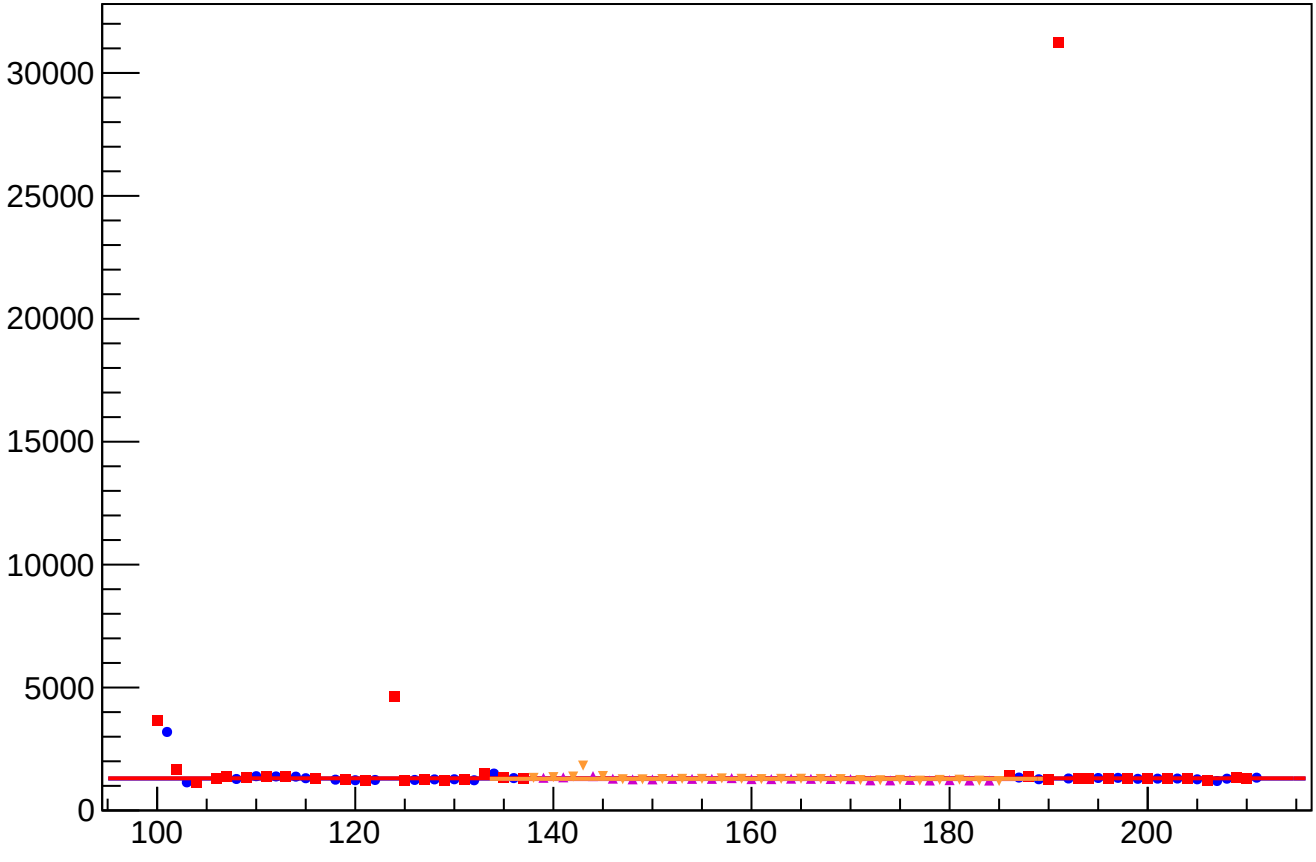
Left In: -2519.366+/-298.095 χ^2/NDF:22.5/22

+ sign 1901.079+/-216.211 χ^2/NDF: 54.7/52

All: -156.773+/-152.755 χ^2/NDF: 289.9/108

- sign -2207.665+/-215.845 χ^2/NDF: 54.3/55

eigen_cor_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1296.379+/-0.227 χ^2/NDF: 533515.4/27

Left Out: 1285.649+/-0.207 χ^2/NDF:191027.3/24

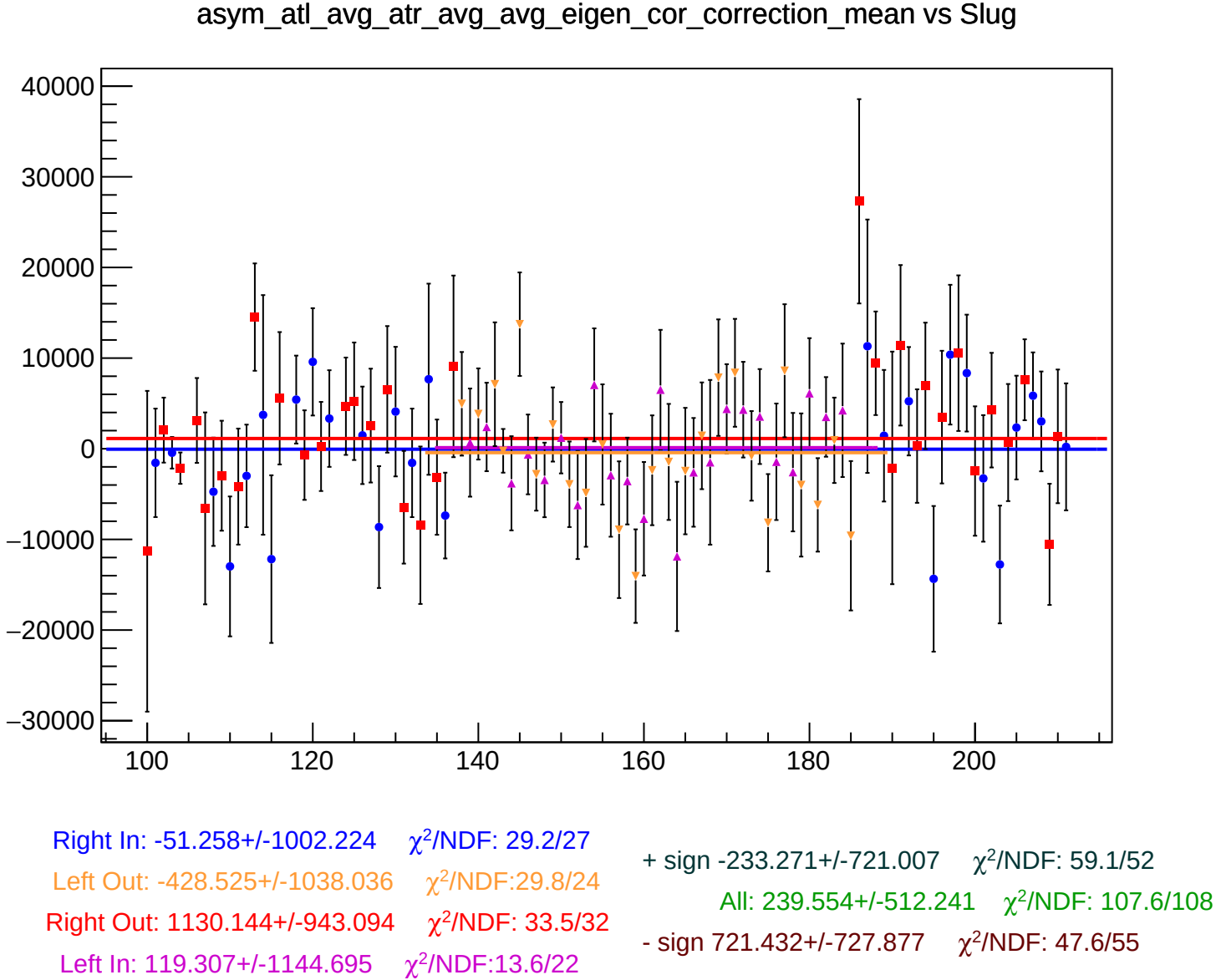
Right Out: 1307.961+/-0.221 χ^2/NDF: 505573.8/32

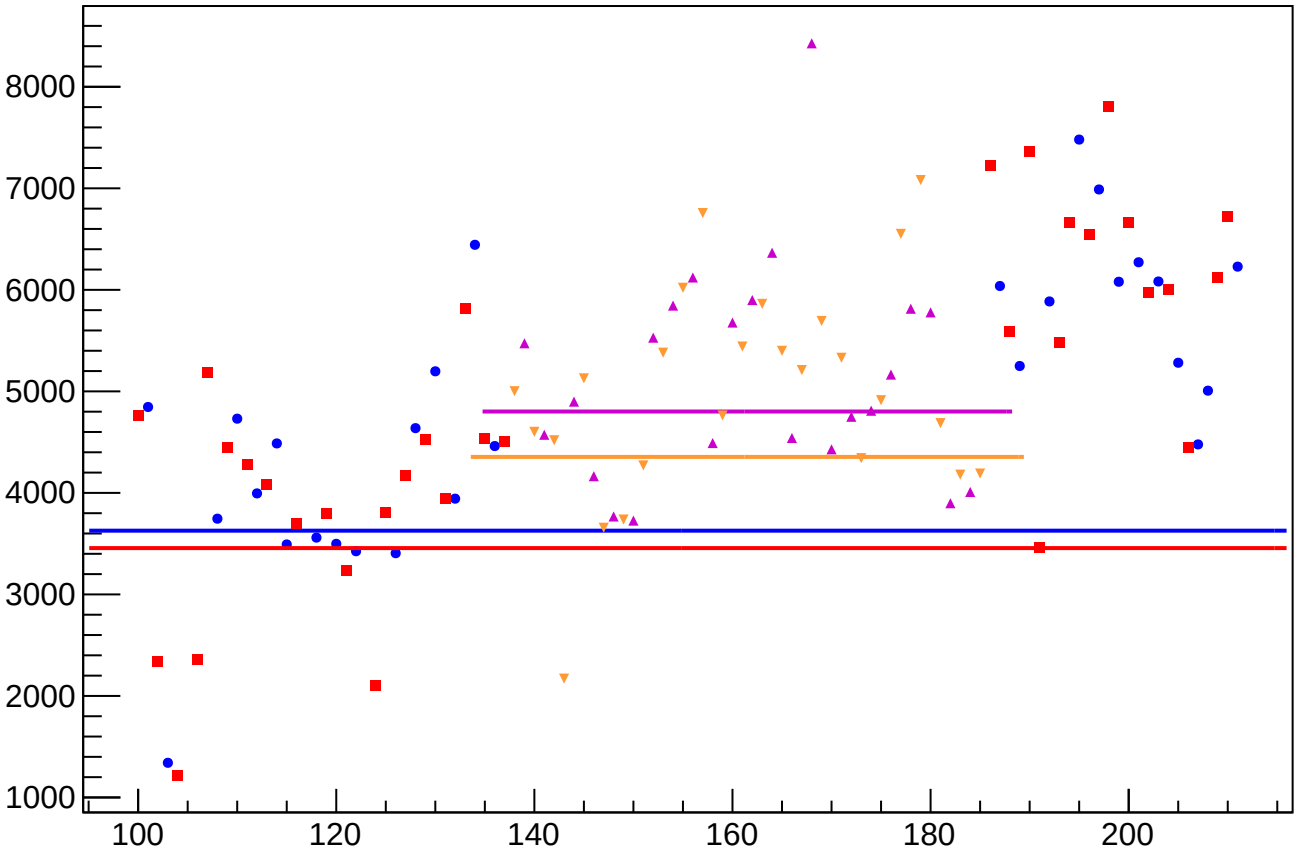
Left In: 1275.941+/-0.211 χ^2/NDF:41399.0/22

+ sign 1290.527+/-0.153 χ^2/NDF: 725764.1/52

All: 1290.857+/-0.108 χ^2/NDF: 1283732.4/10

- sign 1291.185+/-0.153 χ^2/NDF: 557959.1/55


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
Right In: -51.258+/-1002.224 χ²/NDF: 29.2/27
Left Out: -428.525+/-1038.036 χ²/NDF:29.8/24
Right Out: 1130.144+/-943.094 χ²/NDF: 33.5/32
Left In: 119.307+/-1144.695 χ²/NDF:13.6/22
+ sign -233.271+/-721.007 χ²/NDF: 59.1/52
All: 239.554+/-512.241 χ²/NDF: 107.6/108
- sign 721.432+/-727.877 χ²/NDF: 47.6/55



Right In: 3627.911+/-0.709 χ^2/NDF: 6726504.3/27

Left Out: 4354.511+/-0.734 χ^2/NDF:3071528.5/24

Right Out: 3456.286+/-0.667 χ^2/NDF: 8326836.7/32

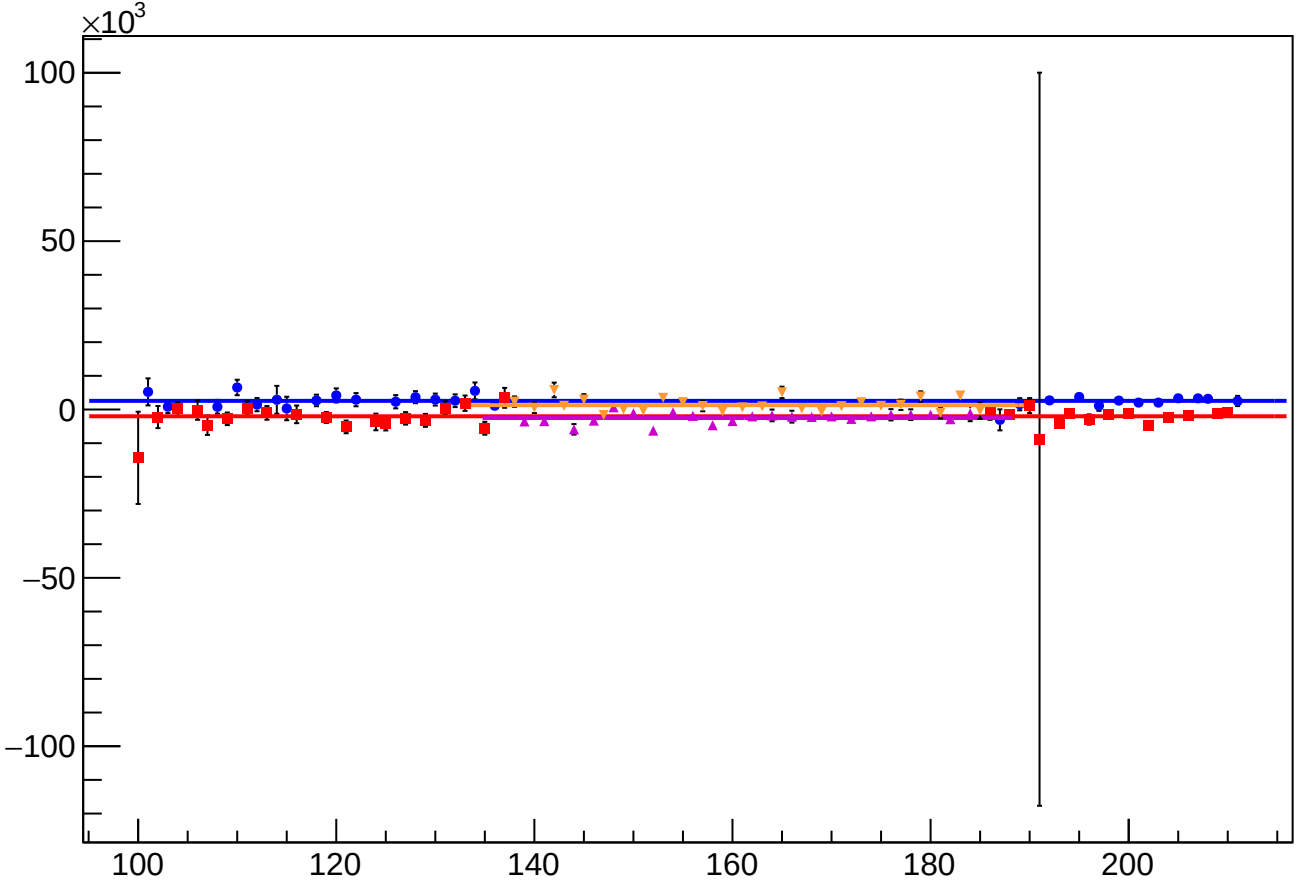
Left In: 4801.570+/-0.809 χ^2/NDF:1231894.6/22

\+ sign 3978.461+/-0.510 χ^2/NDF: 10305193.9/52

All: 3989.240+/-0.362 χ^2/NDF: 21510277.2/1

\- sign 4000.225+/-0.515 χ^2/NDF: 11204180.8/55

dit_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2568.789+/-329.175 χ^2/NDF: 15.5/27

Left Out: 1284.422+/-300.530 χ^2/NDF:33.4/24

Right Out: -2012.009+/-319.712 χ^2/NDF: 30.6/32

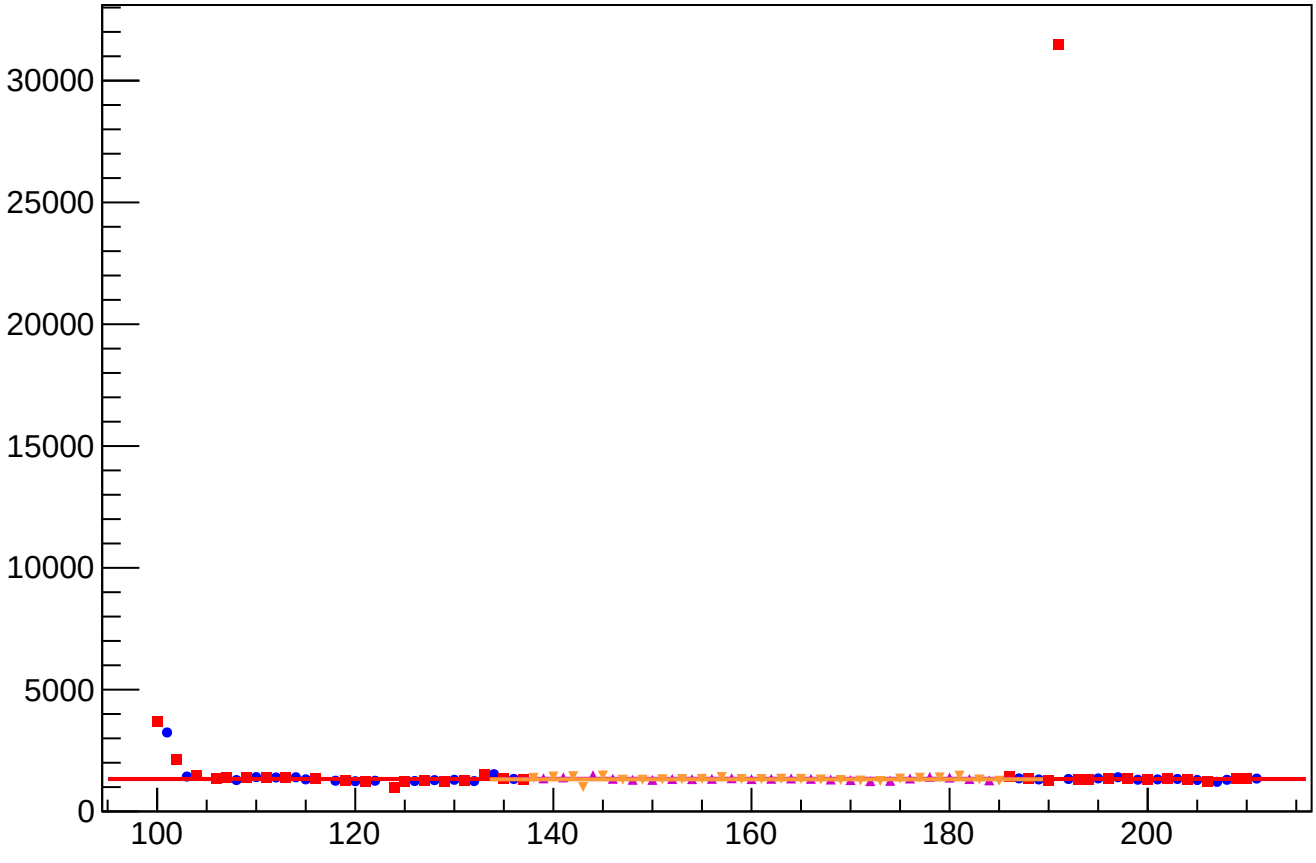
Left In: -2531.791+/-312.886 χ^2/NDF:25.0/22

+ sign 1868.301+/-221.944 χ^2/NDF: 57.2/52

All: -189.023+/-157.527 χ^2/NDF: 287.4/108

- sign -2277.508+/-223.618 χ^2/NDF: 57.0/55

dit_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1330.602+/-0.233 χ^2/NDF: 522549.9/27

Left Out: 1318.174+/-0.213 χ^2/NDF:248547.7/24

Right Out: 1334.316+/-0.226 χ^2/NDF: 447761.6/32

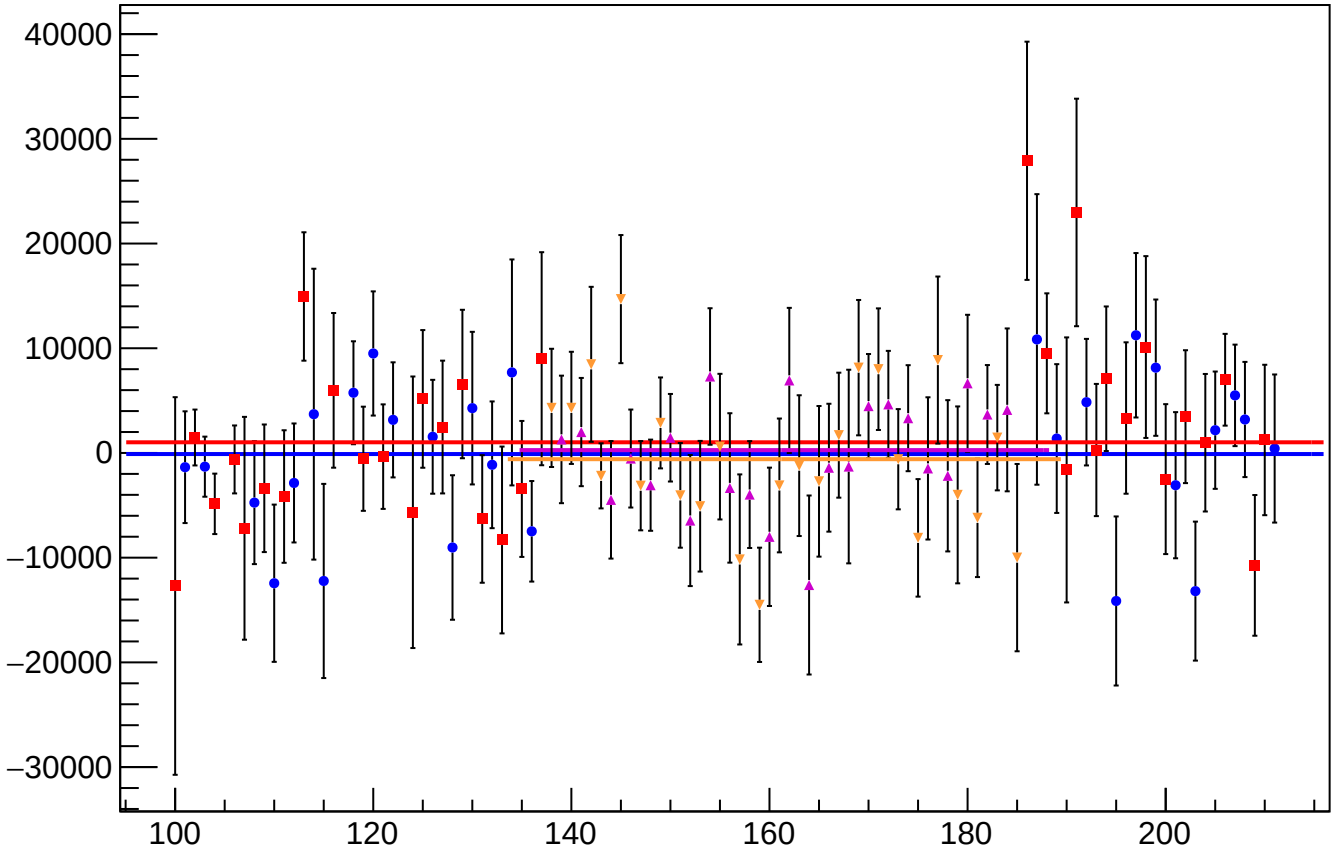
Left In: 1338.602+/-0.221 χ^2/NDF:54248.5/22

+ sign 1323.824+/-0.157 χ^2/NDF: 772652.5/52

All: 1330.118+/-0.111 χ^2/NDF: 1278086.5/10

- sign 1336.505+/-0.158 χ^2/NDF: 502193.8/55

asym_atl_avg_atr_avg_avg_dit_correction_mean vs Slug



Right In: -103.839+/-1128.490 χ^2/NDF: 29.0/27

Left Out: -594.916+/-1122.287 χ^2/NDF:29.5/24

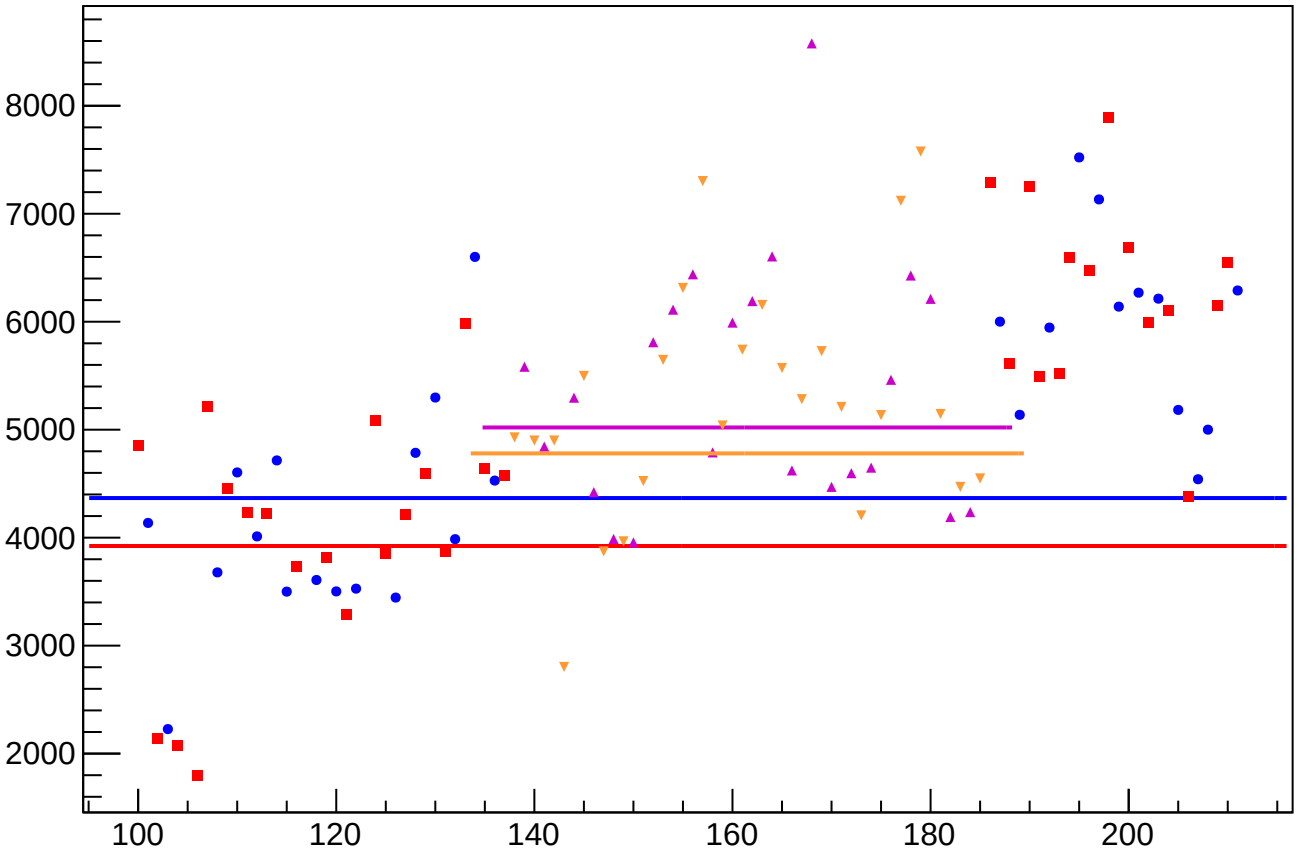
Right Out: 1018.115+/-1008.057 χ^2/NDF: 36.7/32

Left In: 272.915+/-1196.804 χ^2/NDF:13.4/22

+ sign -350.731+/-795.761 χ^2/NDF: 58.6/52

All: 195.795+/-553.727 χ^2/NDF: 109.9/108

- sign 708.844+/-771.004 χ^2/NDF: 50.4/55



Right In: 4366.924+/-0.798 χ^2/NDF: 2914732.2/27

Left Out: 4780.396+/-0.794 χ^2/NDF:2006245.3/24

Right Out: 3922.813+/-0.713 χ^2/NDF: 5709987.5/32

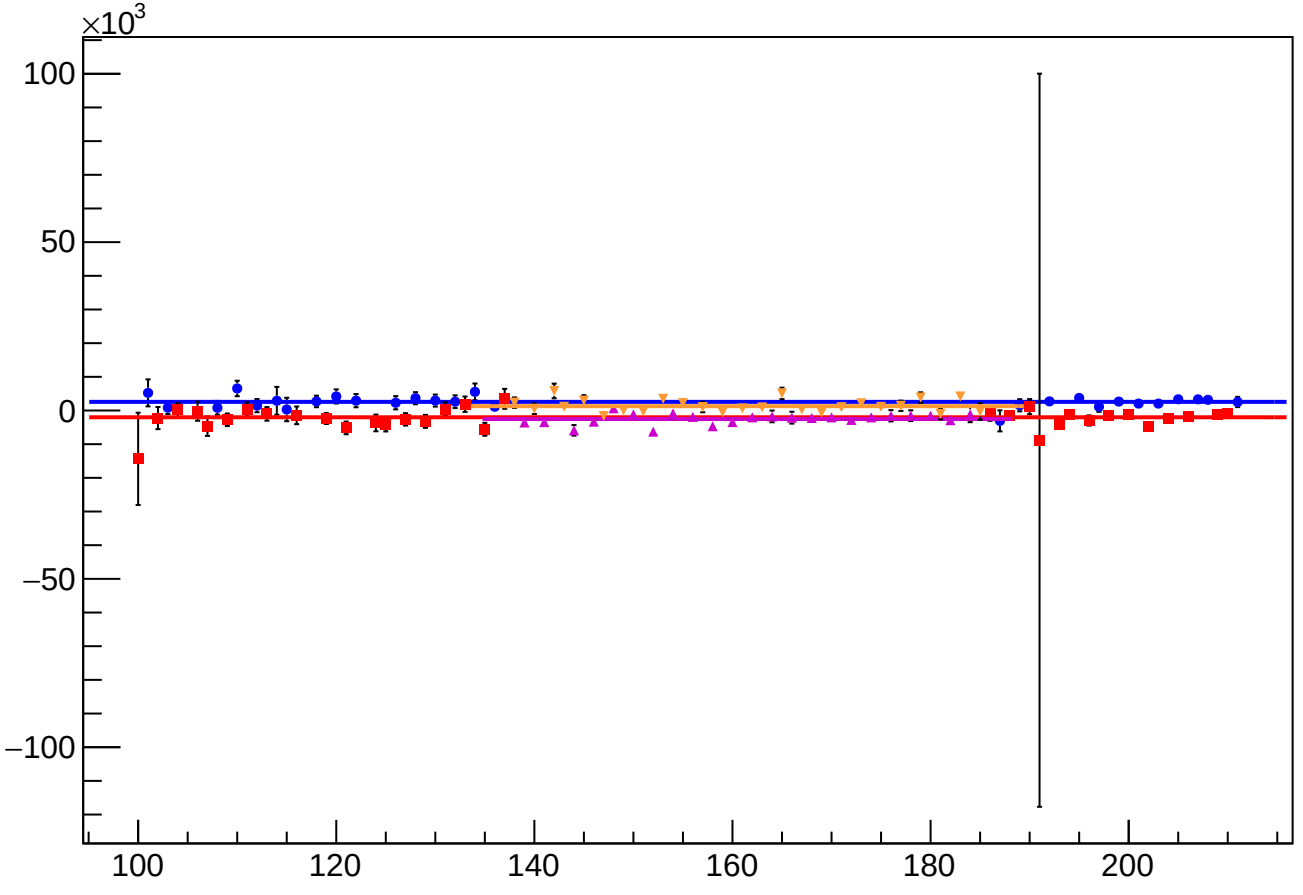
Left In: 5020.560+/-0.846 χ^2/NDF:1225091.9/22

+ sign 4574.800+/-0.563 χ^2/NDF: 5055961.8/52

All: 4473.496+/-0.392 χ^2/NDF: 13038187.9/1

- sign 4378.398+/-0.545 χ^2/NDF: 7919386.1/55

eigen_dit_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2568.787+/-329.175 χ^2/NDF: 15.5/27

Left Out: 1284.416+/-300.530 χ^2/NDF:33.4/24

Right Out: -2012.007+/-319.712 χ^2/NDF: 30.6/32

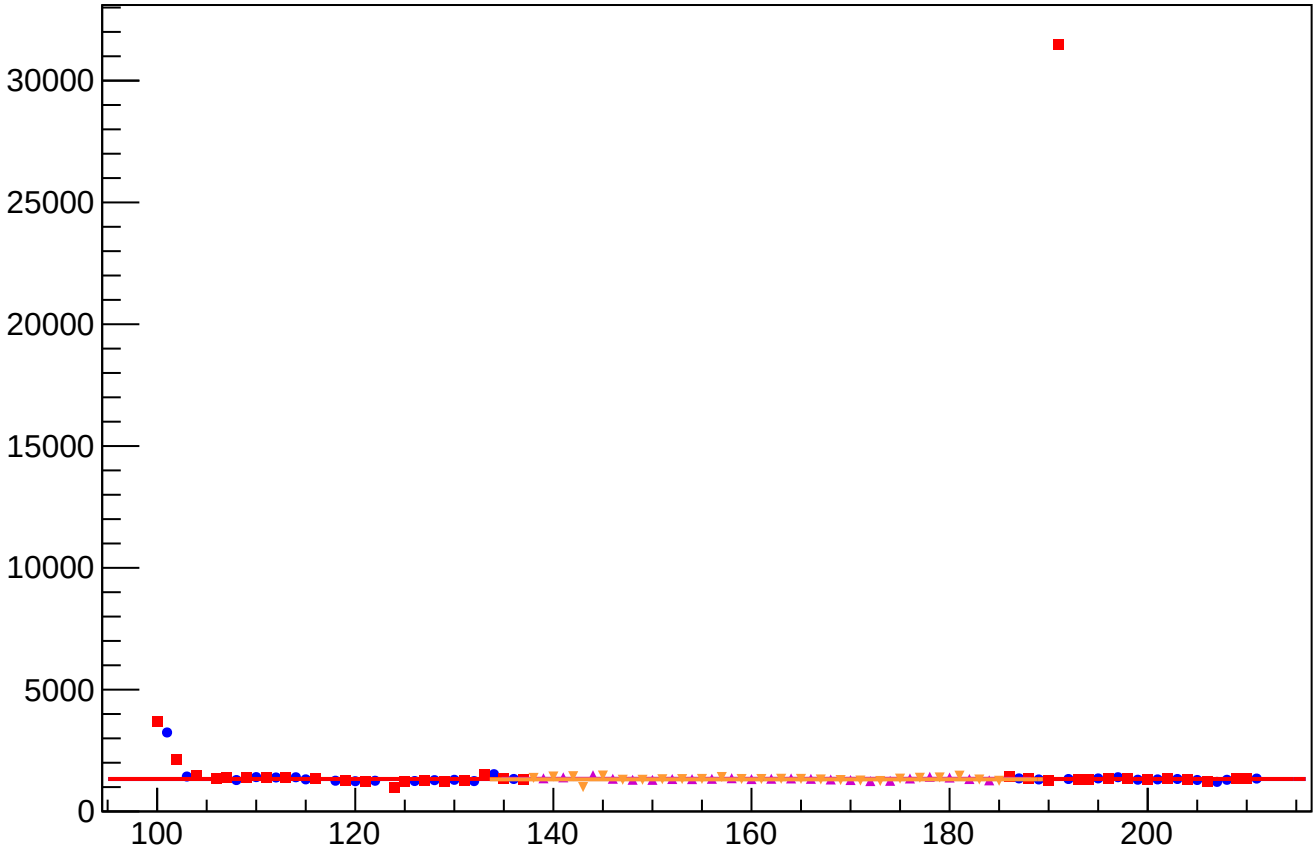
Left In: -2531.791+/-312.887 χ^2/NDF:25.0/22

+ sign 1868.297+/-221.944 χ^2/NDF: 57.2/52

All: -189.024+/-157.527 χ^2/NDF: 287.4/108

- sign -2277.506+/-223.618 χ^2/NDF: 57.0/55

eigen_dit_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1330.602+/-0.233 χ^2/NDF: 522550.1/27

Left Out: 1318.176+/-0.213 χ^2/NDF:248550.2/24

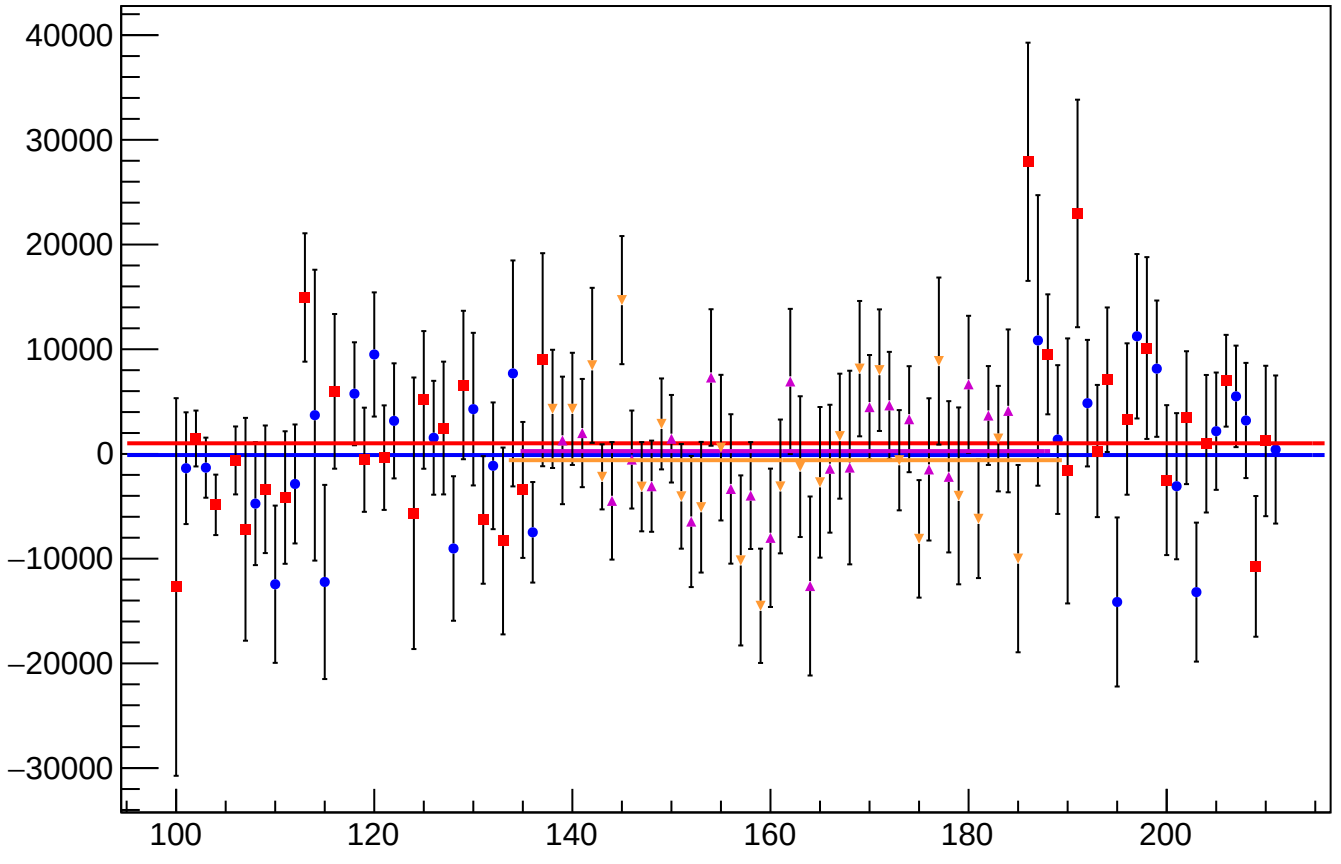
Right Out: 1334.316+/-0.226 χ^2/NDF: 447760.6/32

Left In: 1338.604+/-0.221 χ^2/NDF:54251.0/22

+ sign 1323.825+/-0.157 χ^2/NDF: 772654.8/52

All: 1330.118+/-0.111 χ^2/NDF: 1278090.5/10

- sign 1336.505+/-0.158 χ^2/NDF: 502195.5/55



Right In: -103.837+/-1128.490 χ^2/NDF: 29.0/27

Left Out: -594.920+/-1122.288 χ^2/NDF:29.5/24

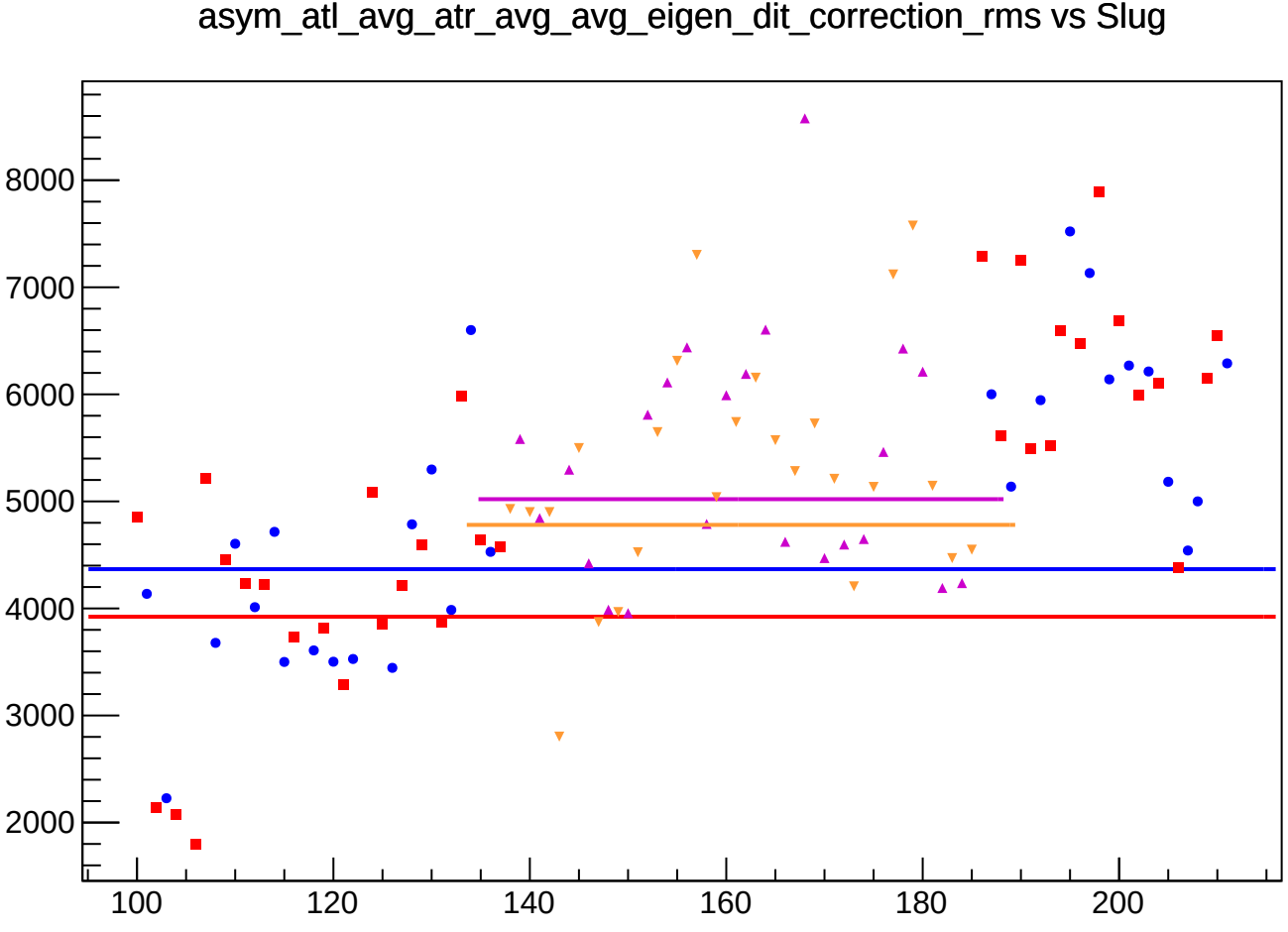
Right Out: 1018.109+/-1008.056 χ^2/NDF: 36.7/32

Left In: 272.917+/-1196.806 χ^2/NDF:13.4/22

+ sign -350.731+/-795.761 χ^2/NDF: 58.6/52

All: 195.794+/-553.728 χ^2/NDF: 109.9/108

- sign 708.842+/-771.004 χ^2/NDF: 50.4/55



Right In: 4366.918+/-0.798 χ^2/NDF: 2914763.6/27

Left Out: 4780.404+/-0.794 χ^2/NDF:2006246.8/24

Right Out: 3922.805+/-0.713 χ^2/NDF: 5710028.5/32

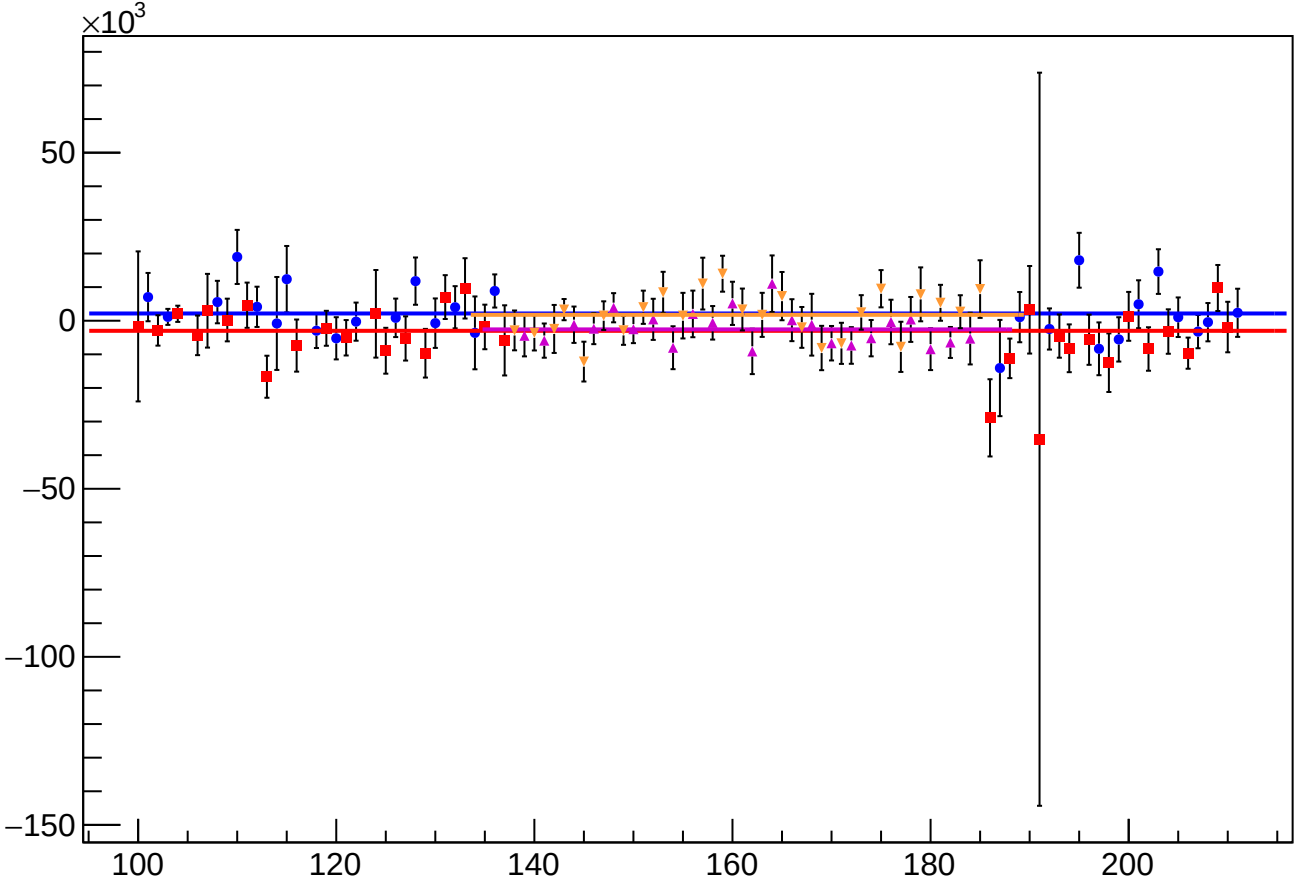
Left In: 5020.567+/-0.846 χ^2/NDF:1225095.5/22

+ sign 4574.800+/-0.563 χ^2/NDF: 5056003.5/52

All: 4473.494+/-0.392 χ^2/NDF: 13038304.1/1

- sign 4378.394+/-0.545 χ^2/NDF: 7919458.3/55

asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2156.509+/-1129.408 χ^2/NDF: 27.3/27

Left Out: 1761.683+/-1116.232 χ^2/NDF:27.7/24

Right Out: -3001.944+/-1098.800 χ^2/NDF: 33.7/32

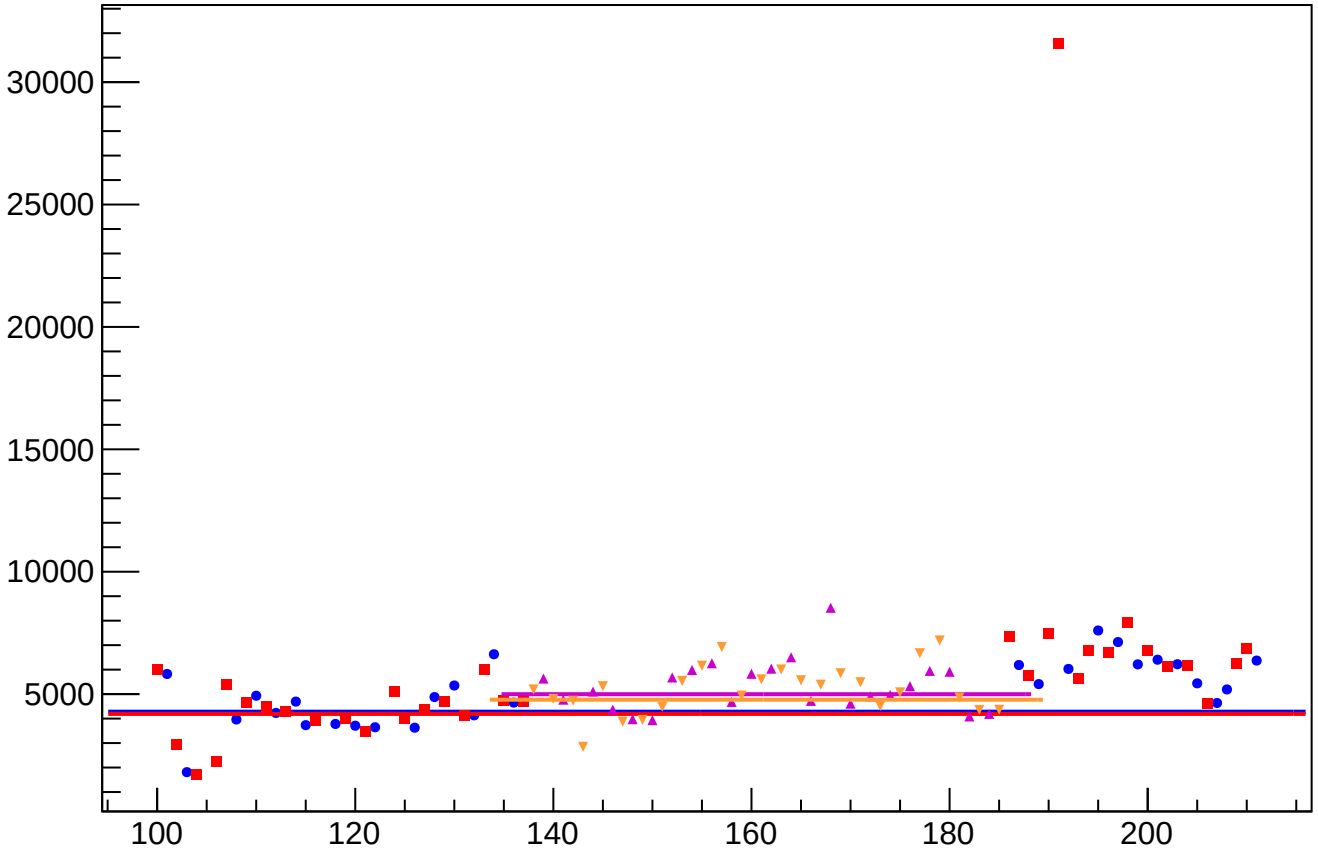
Left In: -2579.960+/-1188.448 χ^2/NDF:13.3/22

+ sign 1956.780+/-793.913 χ^2/NDF: 55.0/52

All: -386.982+/-565.883 χ^2/NDF: 119.8/108

- sign -2807.466+/-806.802 χ^2/NDF: 47.1/55

asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 4282.274+/-0.799 χ^2/NDF: 4185621.5/27

Left Out: 4771.181+/-0.789 χ^2/NDF:1787082.6/24

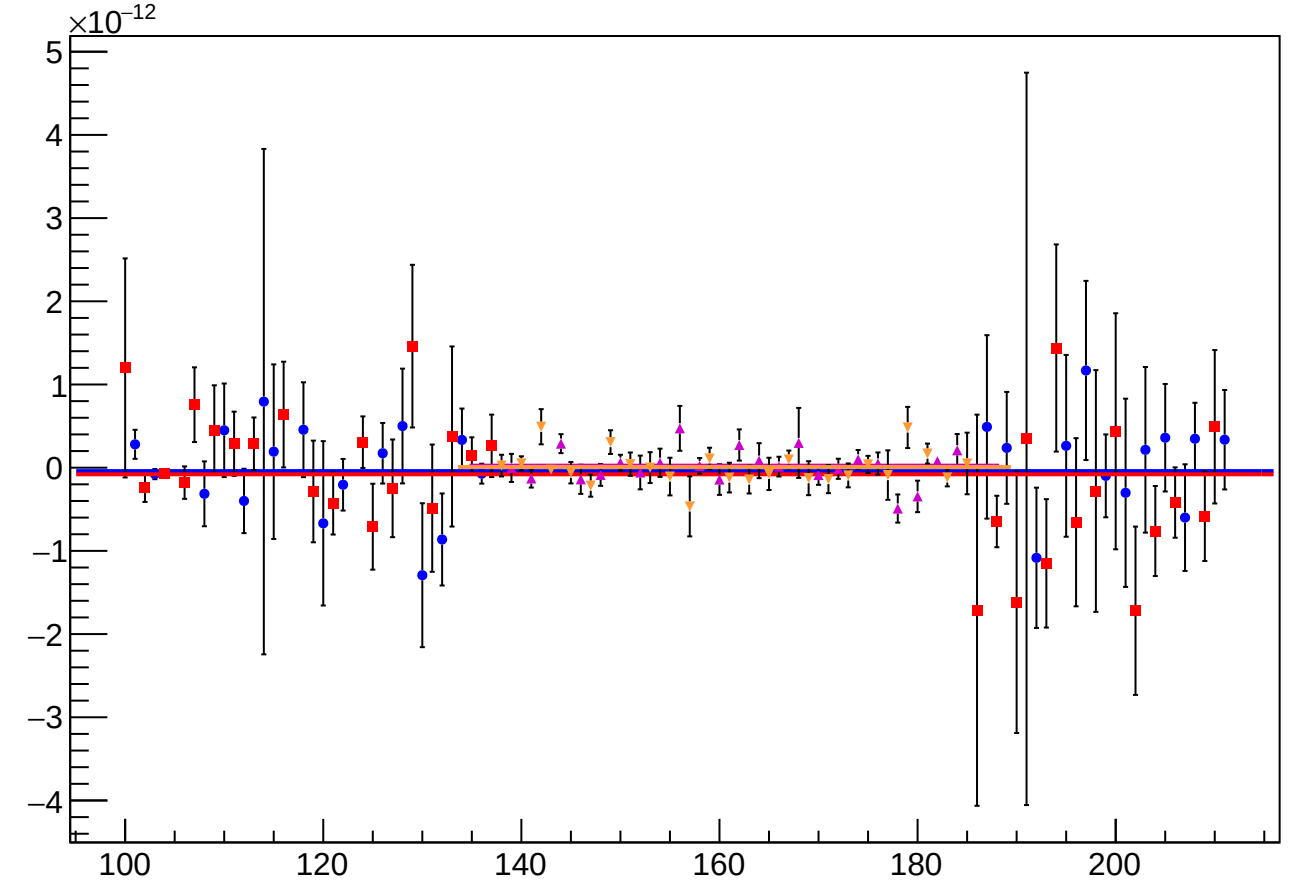
Right Out: 4190.376+/-0.770 χ^2/NDF: 5395753.2/32

Left In: 4996.720+/-0.840 χ^2/NDF:1095876.8/22

+ sign 4529.595+/-0.561 χ^2/NDF: 6162295.3/52

All: 4543.766+/-0.399 χ^2/NDF: 13155854.4/1

- sign 4558.254+/-0.568 χ^2/NDF: 6992270.4/55



Right In: -0.000+/-0.000 χ^2/NDF: 19.5/27

Left Out: 0.000+/-0.000 χ^2/NDF:27.1/24

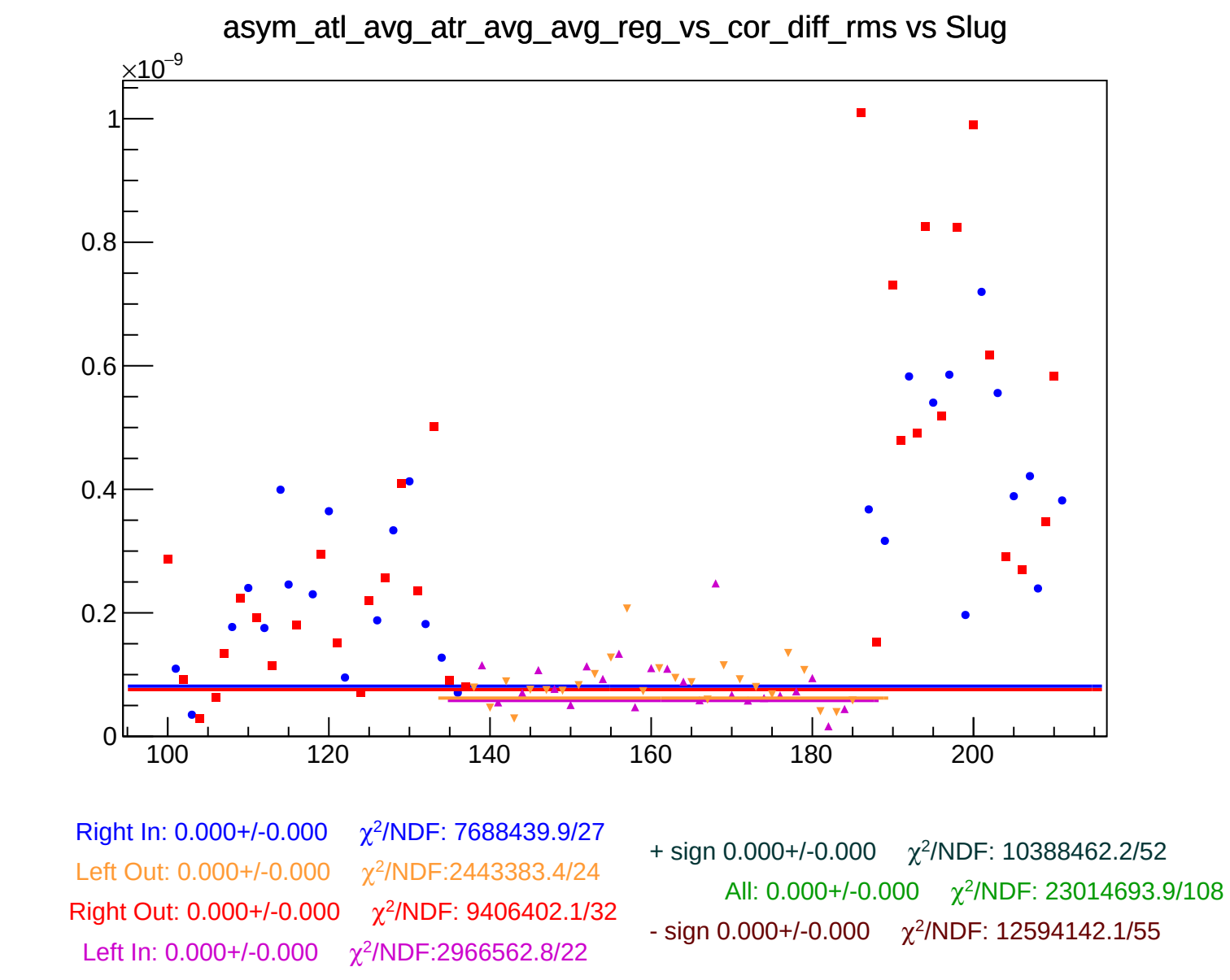
Right Out: -0.000+/-0.000 χ^2/NDF: 33.9/32

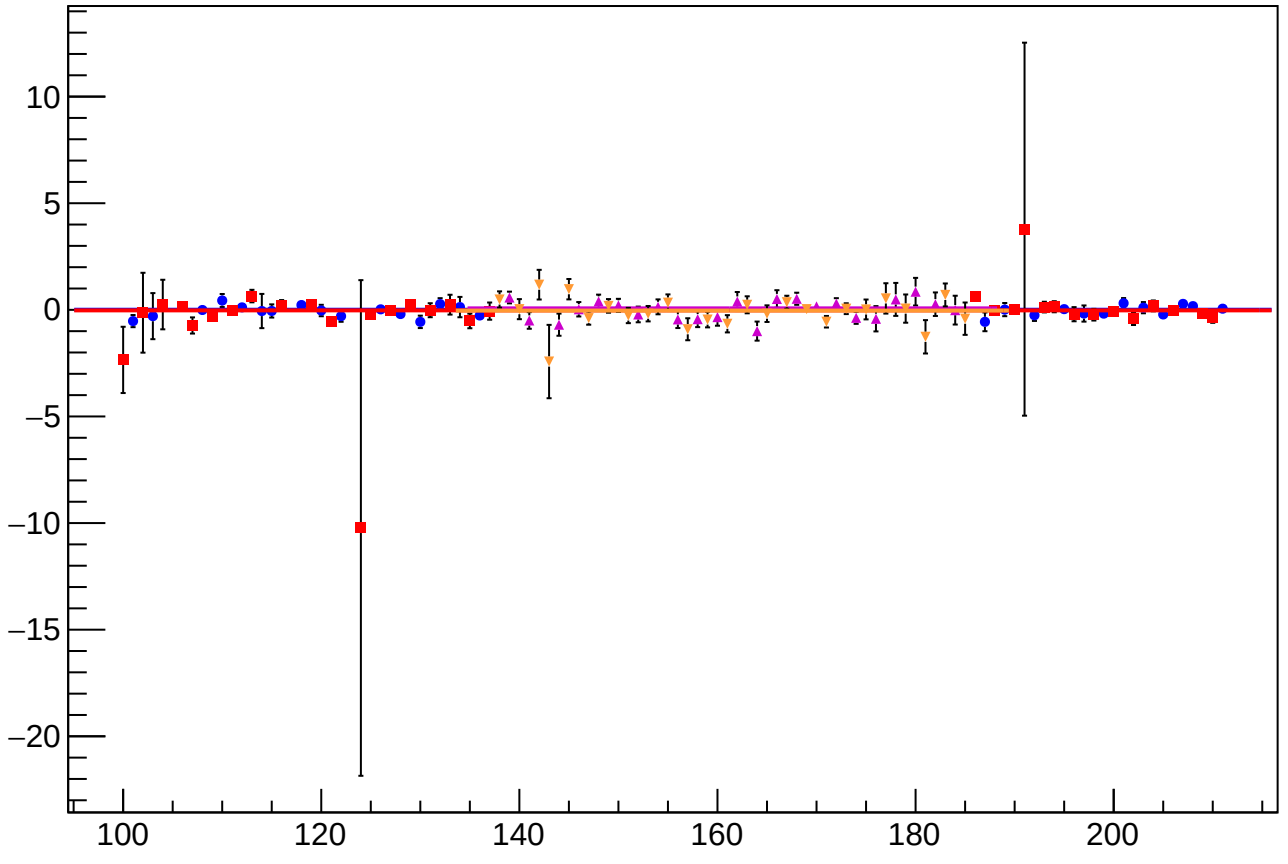
Left In: 0.000+/-0.000 χ^2/NDF:31.7/22

+ sign -0.000+/-0.000 χ^2/NDF: 47.4/52

All: -0.000+/-0.000 χ^2/NDF: 116.8/108

- sign -0.000+/-0.000 χ^2/NDF: 69.4/55


asym_atl_avg_atr_avg_avg_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
1
0.8
0.6
0.4
0.2
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 7688439.9/27
Left Out: 0.000+/-0.000 χ²/NDF:2443383.4/24
Right Out: 0.000+/-0.000 χ²/NDF: 9406402.1/32
Left In: 0.000+/-0.000 χ²/NDF:2966562.8/22
+ sign 0.000+/-0.000 χ²/NDF: 10388462.2/52
All: 0.000+/-0.000 χ²/NDF: 23014693.9/108
- sign 0.000+/-0.000 χ²/NDF: 12594142.1/55



Right In: 0.005+/-0.045 χ^2/NDF: 27.6/27

Left Out: -0.035+/-0.077 χ^2/NDF:32.5/24

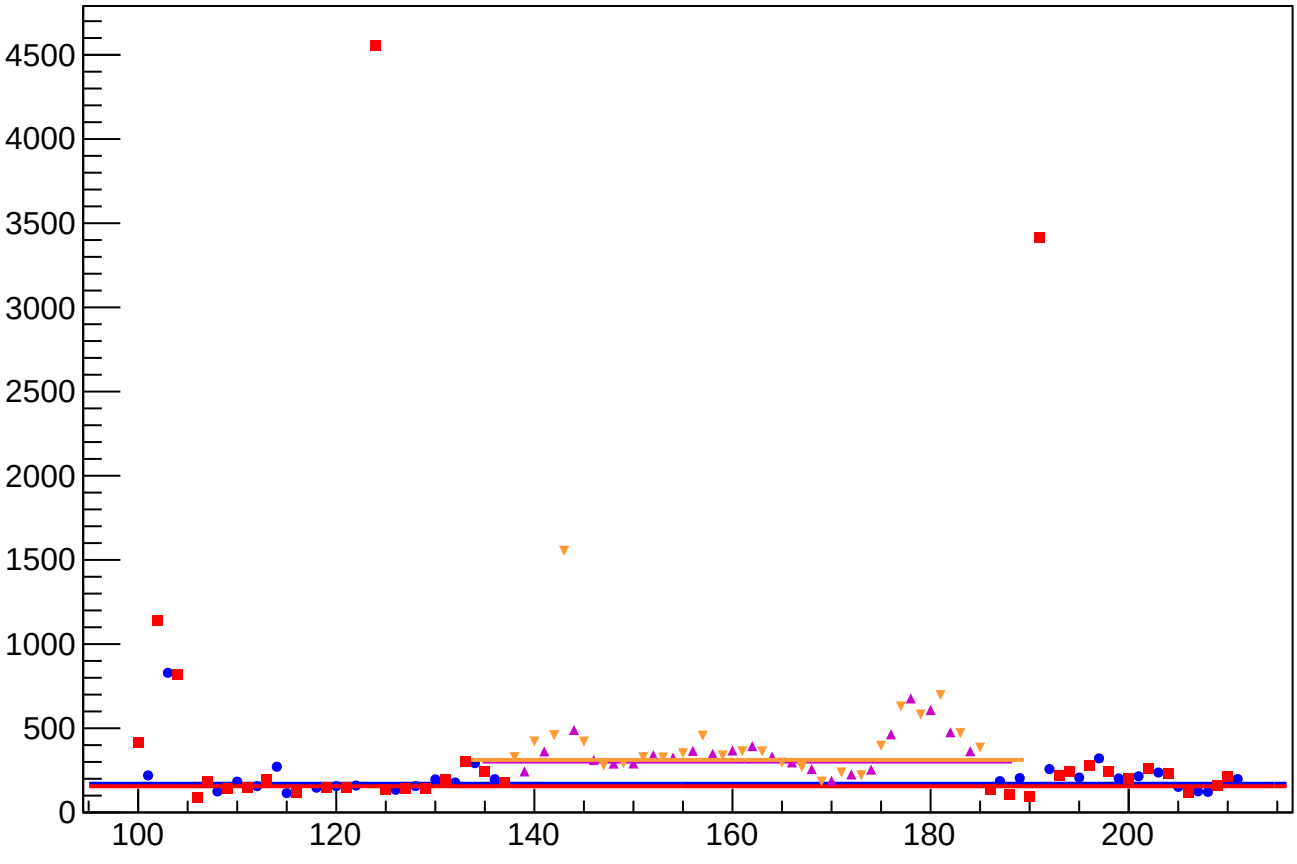
Right Out: -0.025+/-0.042 χ^2/NDF: 42.9/32

Left In: 0.069+/-0.075 χ^2/NDF:29.9/22

+ sign -0.006+/-0.039 χ^2/NDF: 60.3/52

All: -0.004+/-0.027 χ^2/NDF: 134.4/108

- sign -0.003+/-0.036 χ^2/NDF: 74.0/55



Right In: 170.506+/-0.032 χ^2/NDF: 2634565.4/27

Left Out: 311.961+/-0.054 χ^2/NDF:4350162.2/24

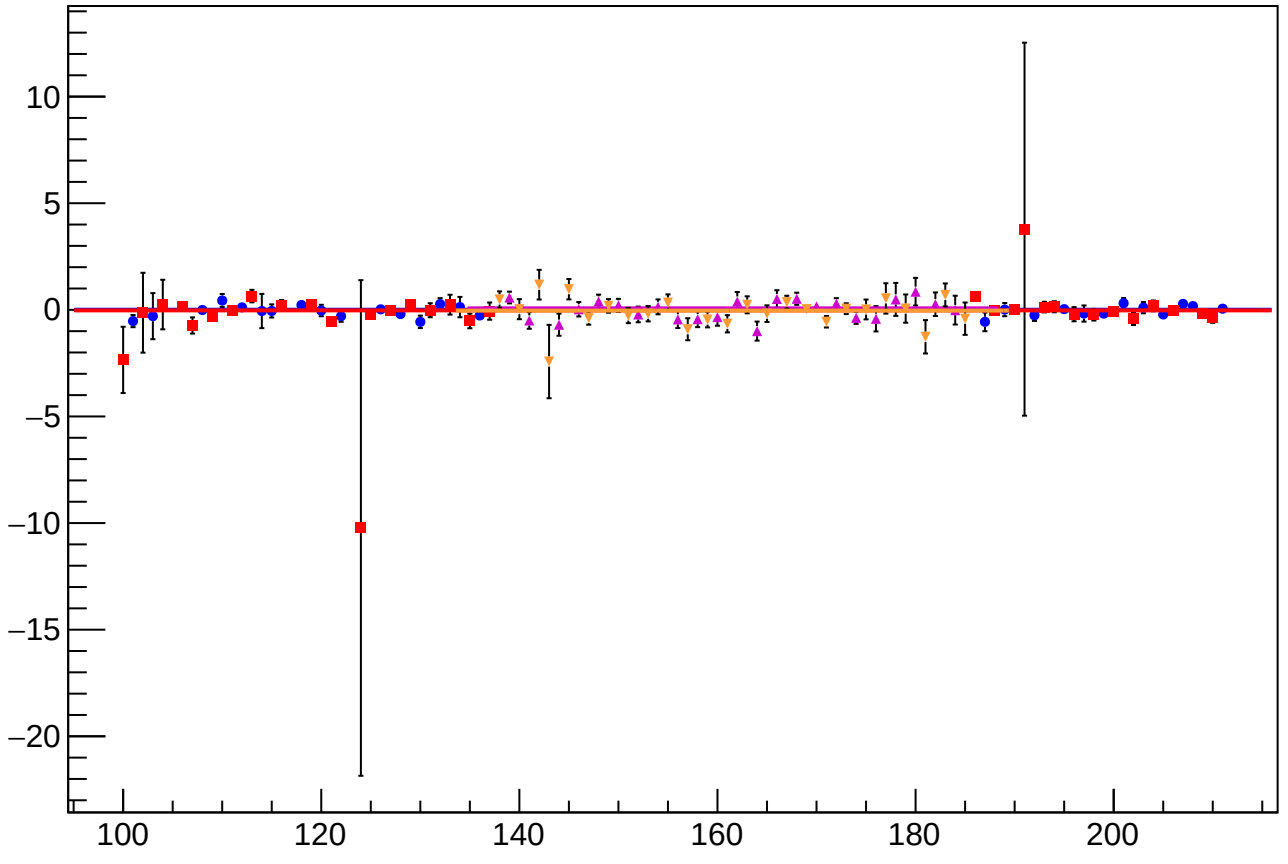
Right Out: 155.616+/-0.029 χ^2/NDF: 4879712.2/32

Left In: 302.375+/-0.053 χ^2/NDF:2808730.8/22

+ sign 207.172+/-0.028 χ^2/NDF: 12027494.9/52

All: 198.063+/-0.019 χ^2/NDF: 25790585.5/10

- sign 190.169+/-0.026 χ^2/NDF: 13559825.0/55



Right In: 0.005+/-0.045 χ^2/NDF: 27.6/27

Left Out: -0.035+/-0.077 χ^2/NDF:32.5/24

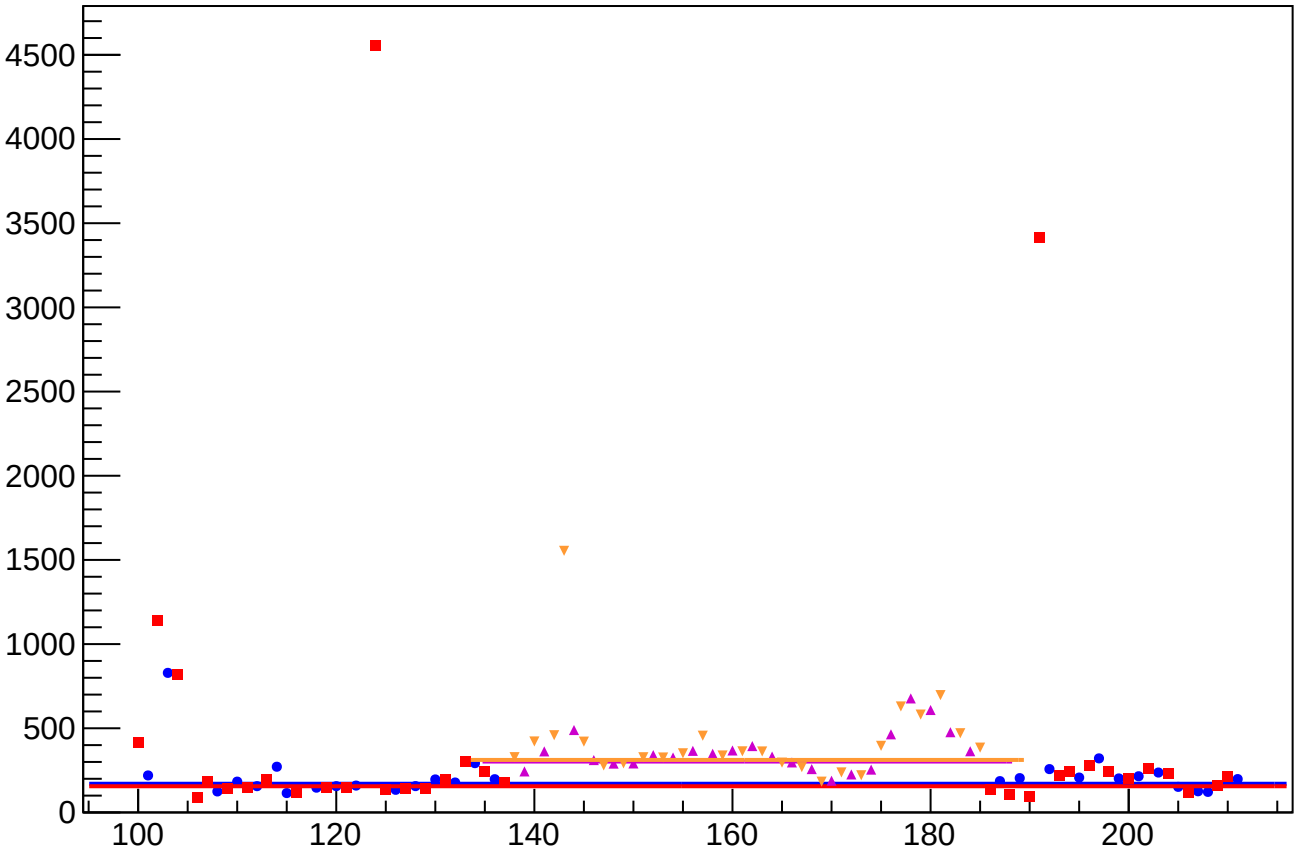
Right Out: -0.025+/-0.042 χ^2/NDF: 42.9/32

Left In: 0.069+/-0.075 χ^2/NDF:29.9/22

+ sign -0.006+/-0.039 χ^2/NDF: 60.3/52

All: -0.004+/-0.027 χ^2/NDF: 134.4/108

- sign -0.003+/-0.036 χ^2/NDF: 74.0/55



Right In: 170.506+/-0.032 χ^2/NDF: 2634565.4/27

Left Out: 311.961+/-0.054 χ^2/NDF:4350162.2/24

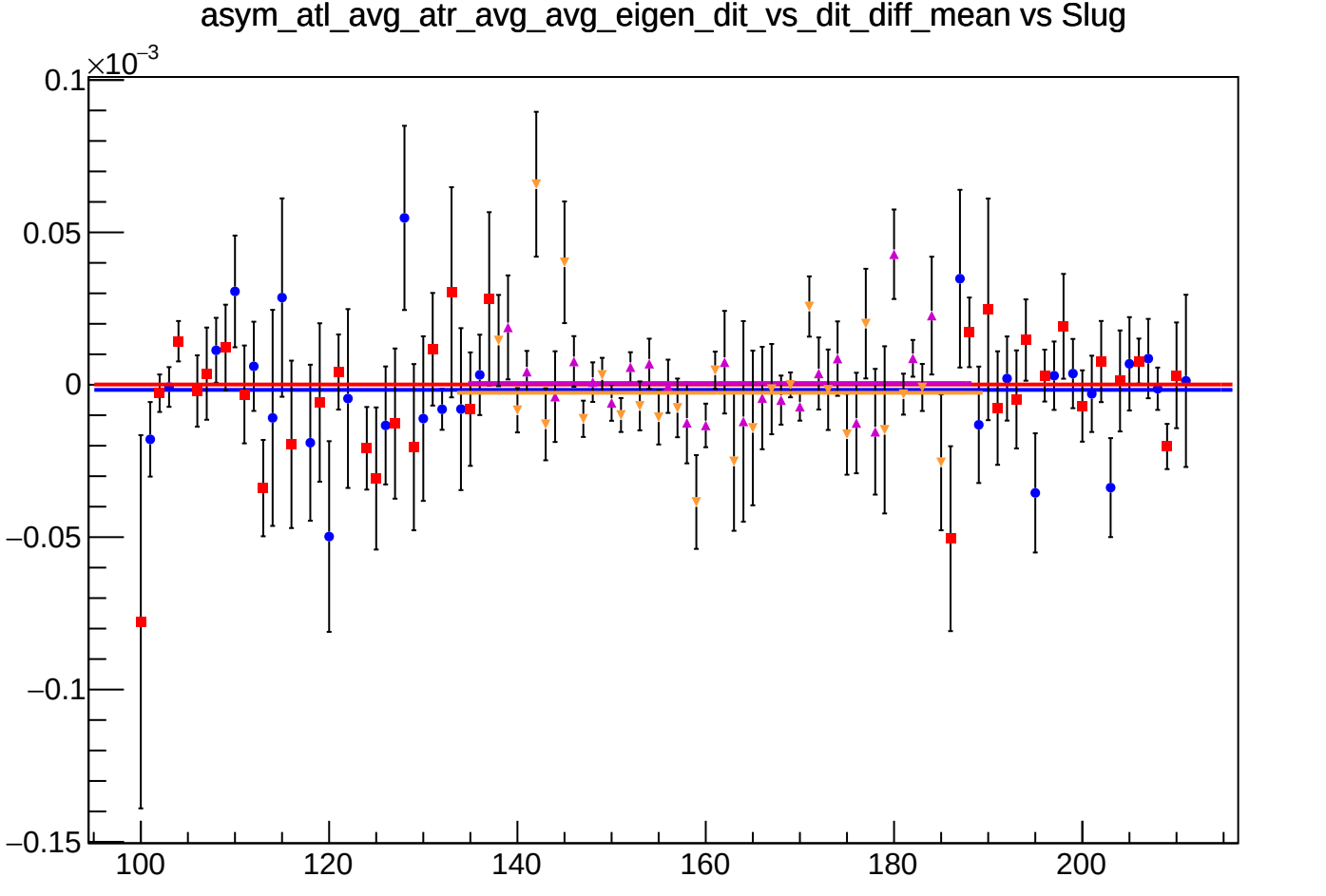
Right Out: 155.616+/-0.029 χ^2/NDF: 4879712.2/32

Left In: 302.375+/-0.053 χ^2/NDF:2808730.8/22

+ sign 207.172+/-0.028 χ^2/NDF: 12027494.9/52

All: 198.063+/-0.019 χ^2/NDF: 25790585.5/10

- sign 190.169+/-0.026 χ^2/NDF: 13559825.0/55



Right In: -0.000+/-0.000 χ^2/NDF: 25.7/27

Left Out: -0.000+/-0.000 χ^2/NDF:42.4/24

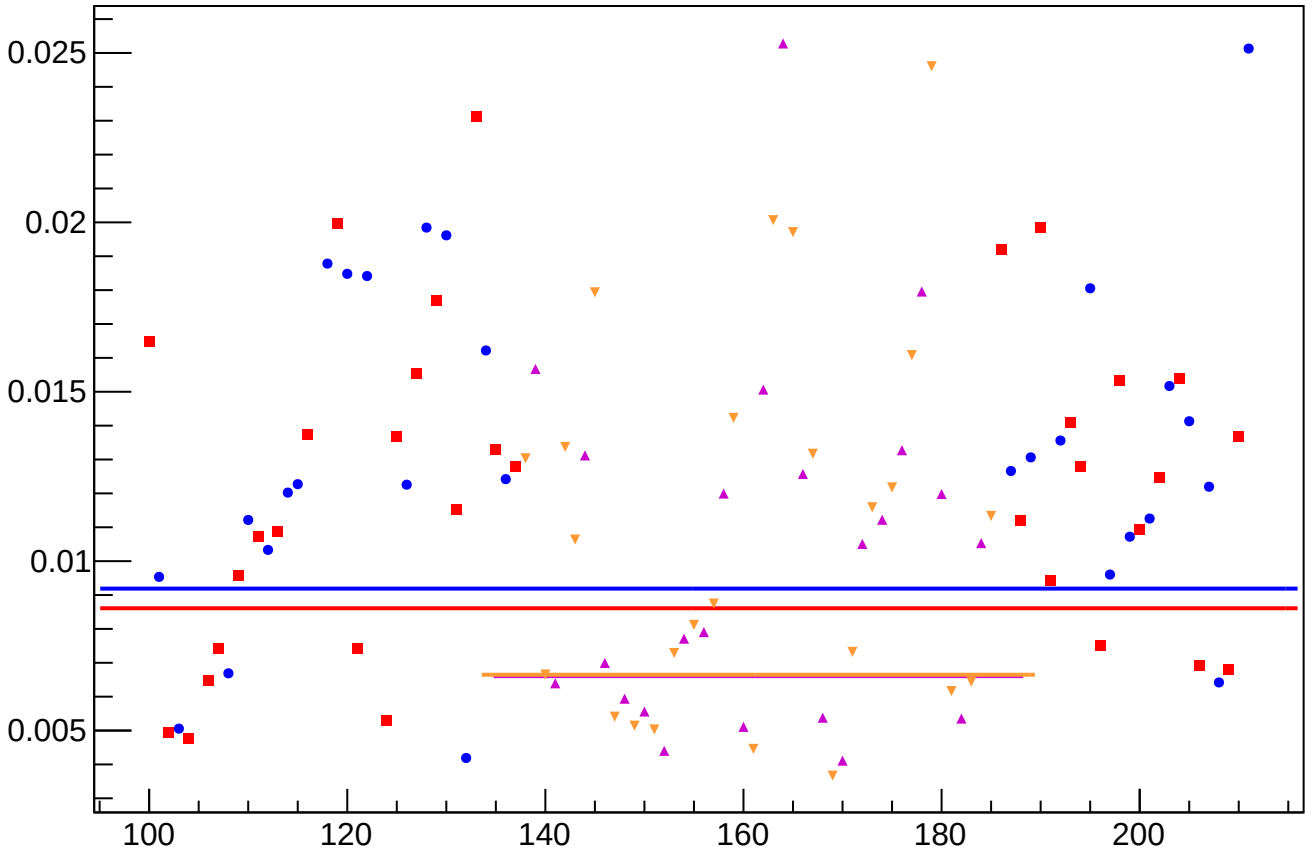
Right Out: 0.000+/-0.000 χ^2/NDF: 37.5/32

Left In: 0.000+/-0.000 χ^2/NDF:26.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 68.2/52

All: -0.000+/-0.000 χ^2/NDF: 134.5/108

- sign 0.000+/-0.000 χ^2/NDF: 64.4/55



Right In: 0.009+/-0.000 χ^2/NDF: 5954981.8/27

Left Out: 0.007+/-0.000 χ^2/NDF:7513935.6/24

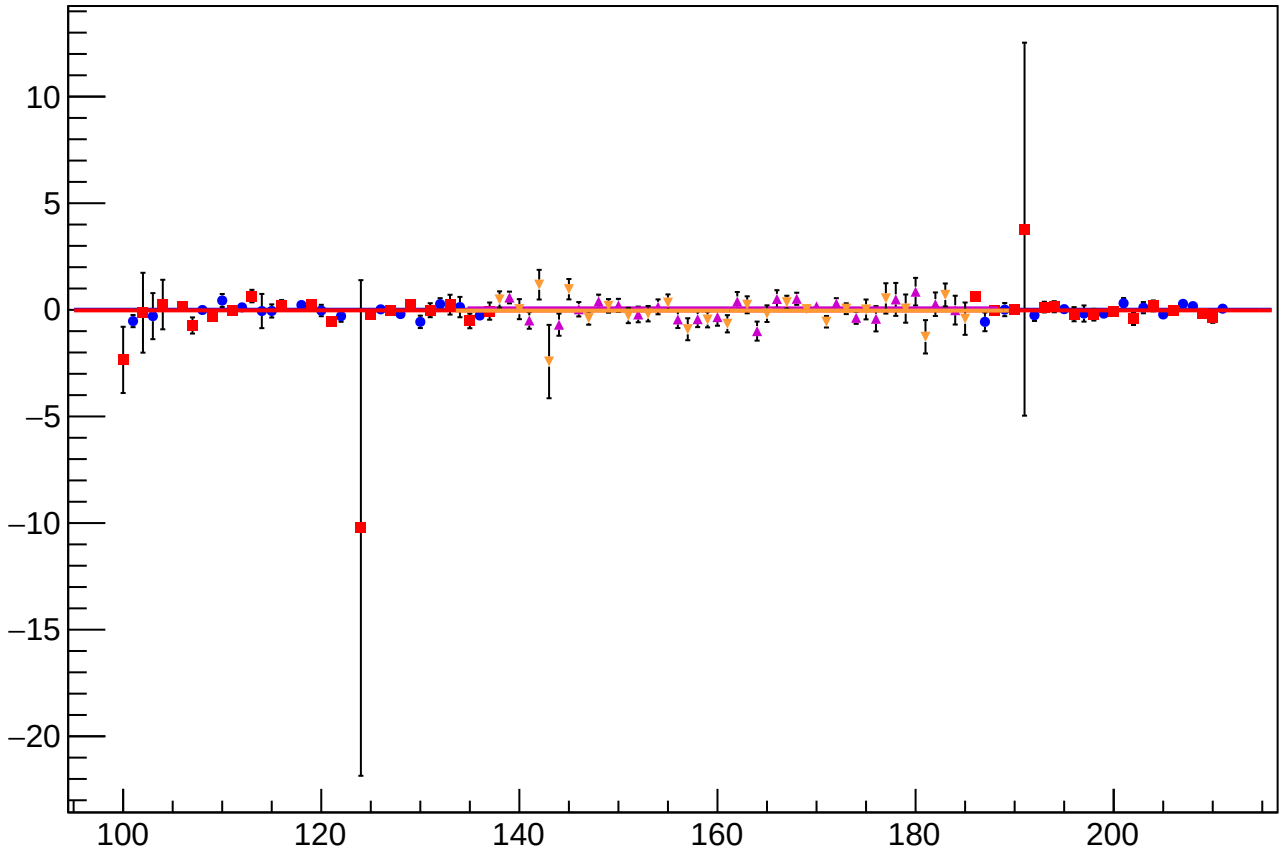
Right Out: 0.009+/-0.000 χ^2/NDF: 5504598.4/32

Left In: 0.007+/-0.000 χ^2/NDF:5855747.2/22

+ sign 0.007+/-0.000 χ^2/NDF: 14841779.0/52

All: 0.007+/-0.000 χ^2/NDF: 27181996.0/108

- sign 0.007+/-0.000 χ^2/NDF: 12336307.5/55



Right In: 0.005+/-0.045 χ^2/NDF: 27.6/27

Left Out: -0.035+/-0.077 χ^2/NDF:32.5/24

Right Out: -0.025+/-0.042 χ^2/NDF: 42.9/32

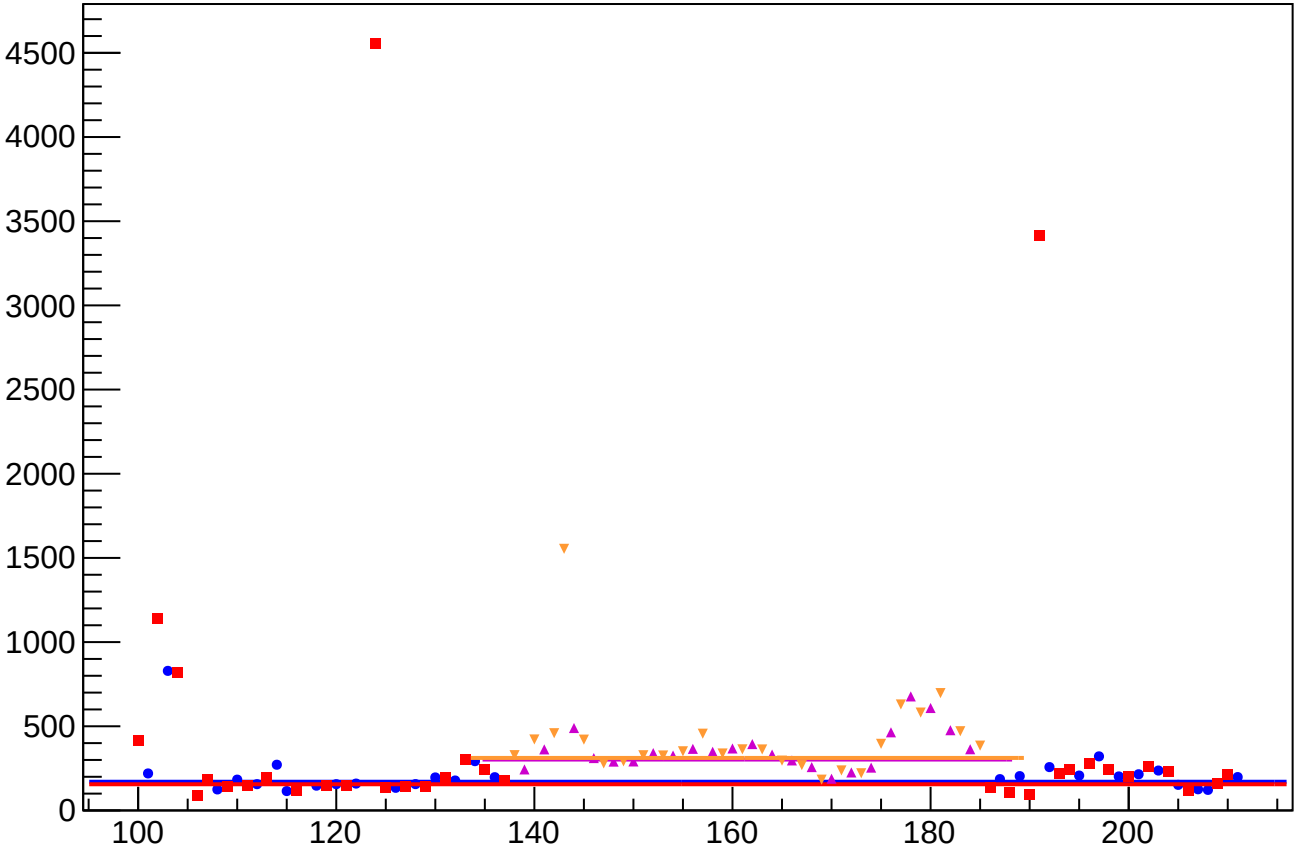
Left In: 0.069+/-0.075 χ^2/NDF:29.9/22

\+ sign -0.006+/-0.039 χ^2/NDF: 60.3/52

All: -0.004+/-0.027 χ^2/NDF: 134.4/108

\- sign -0.003+/-0.036 χ^2/NDF: 74.0/55

asym_atl_avg_atr_avg_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 170.505+/-0.032 χ^2/NDF: 2634647.8/27

Left Out: 311.961+/-0.054 χ^2/NDF:4350376.6/24

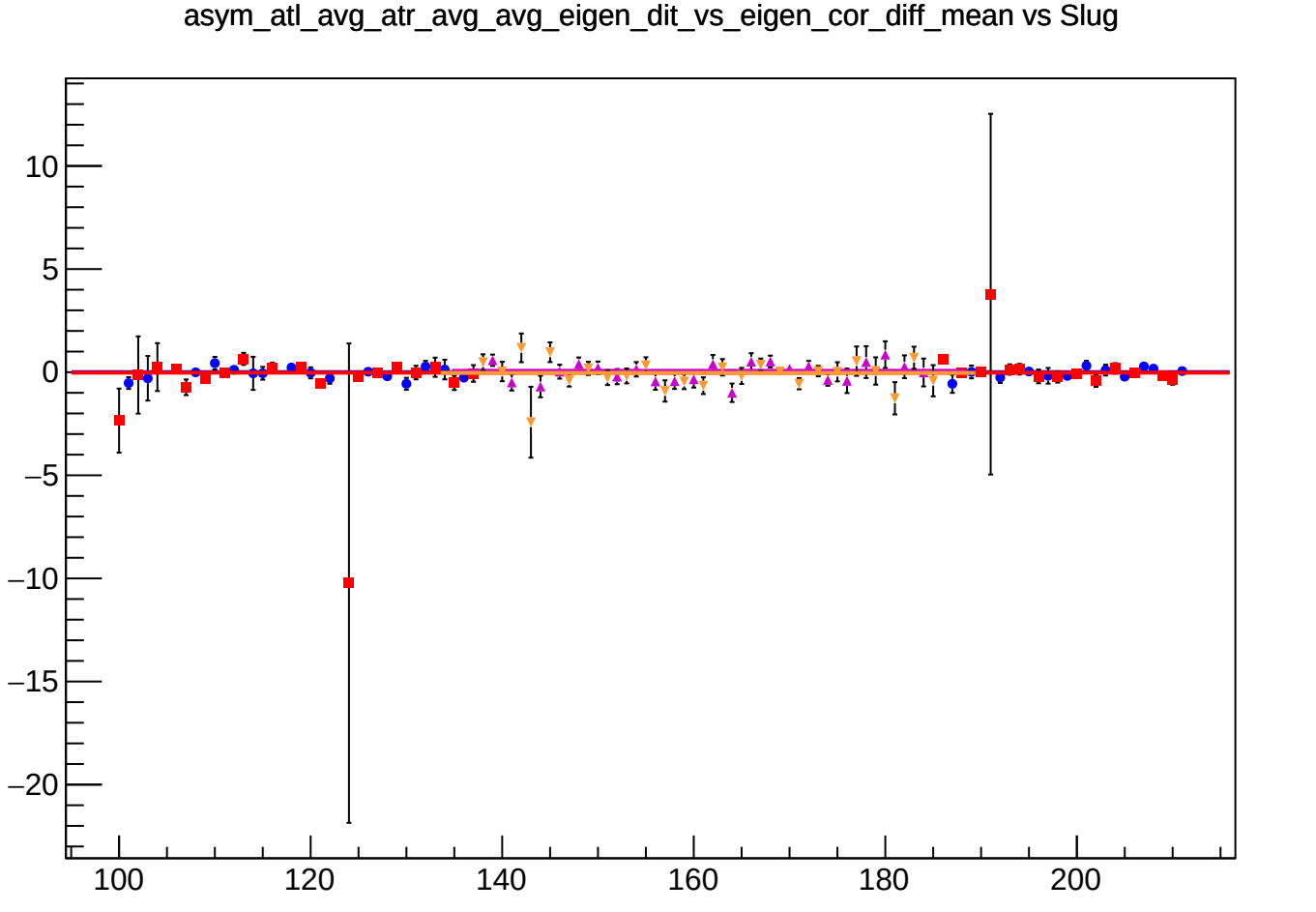
Right Out: 155.613+/-0.029 χ^2/NDF: 4879930.6/32

Left In: 302.377+/-0.053 χ^2/NDF:2808874.8/22

+ sign 207.171+/-0.028 χ^2/NDF: 12027847.8/52

All: 198.061+/-0.019 χ^2/NDF: 25791684.1/10

- sign 190.166+/-0.026 χ^2/NDF: 13560517.4/55



Right In: 0.005+/-0.045 χ^2/NDF: 27.6/27

Left Out: -0.035+/-0.077 χ^2/NDF:32.5/24

Right Out: -0.025+/-0.042 χ^2/NDF: 42.9/32

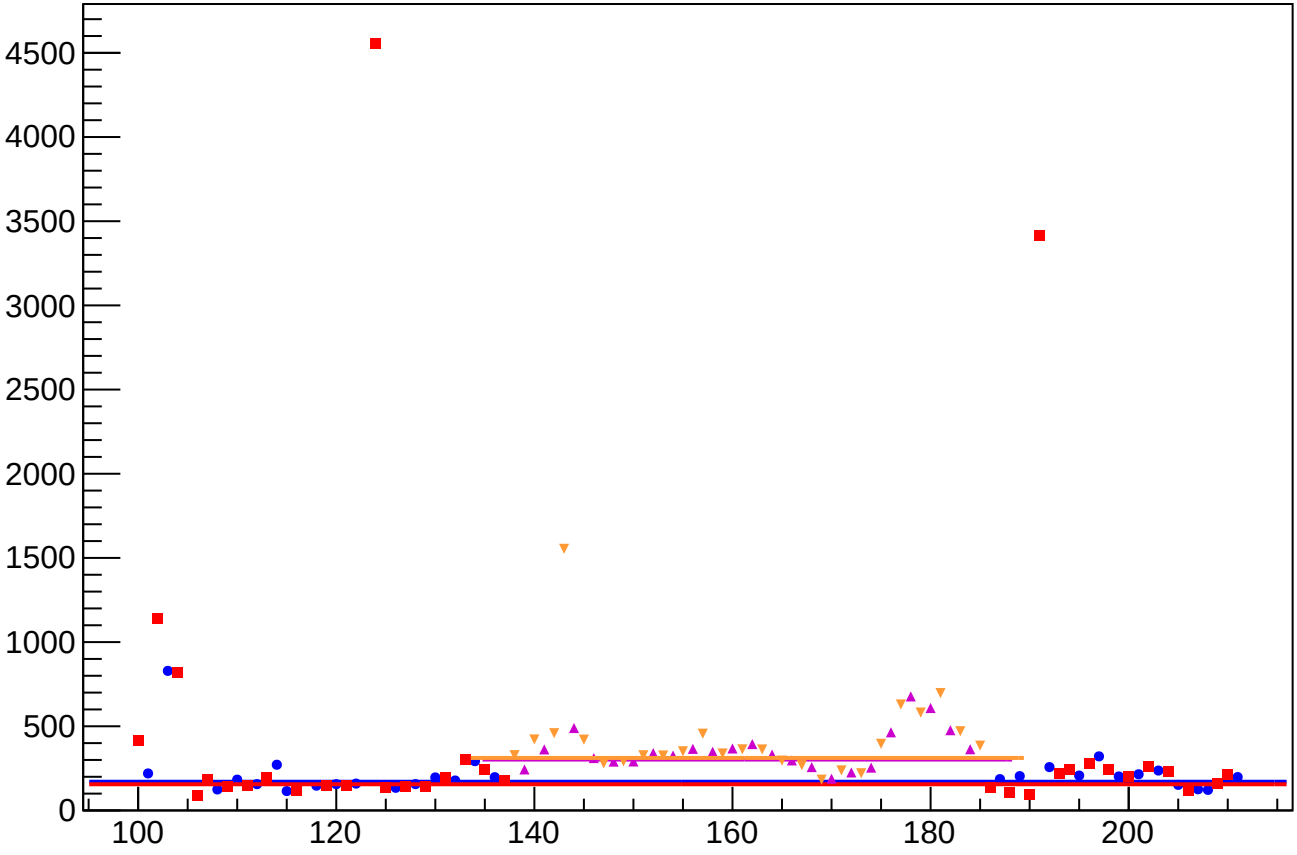
Left In: 0.069+/-0.075 χ^2/NDF:29.9/22

+ sign -0.006+/-0.039 χ^2/NDF: 60.3/52

All: -0.004+/-0.027 χ^2/NDF: 134.4/108

- sign -0.003+/-0.036 χ^2/NDF: 74.0/55

asym_atl_avg_atr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 170.505+/-0.032 χ^2/NDF: 2634647.8/27

Left Out: 311.961+/-0.054 χ^2/NDF:4350376.6/24

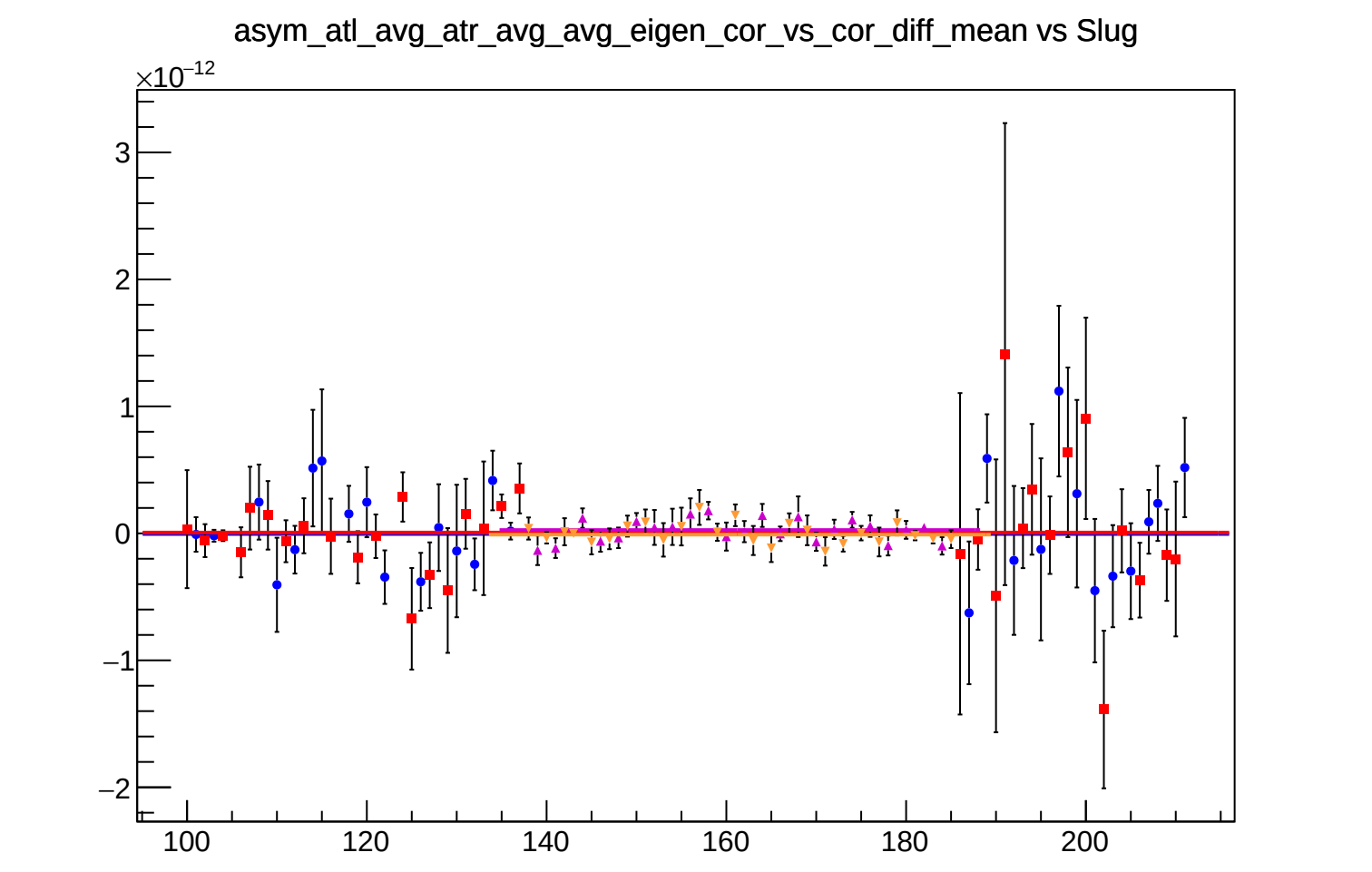
Right Out: 155.613+/-0.029 χ^2/NDF: 4879930.6/32

Left In: 302.377+/-0.053 χ^2/NDF:2808874.8/22

+ sign 207.171+/-0.028 χ^2/NDF: 12027847.8/52

All: 198.061+/-0.019 χ^2/NDF: 25791684.1/10

- sign 190.166+/-0.026 χ^2/NDF: 13560517.4/55



Right In: -0.000+/-0.000 χ^2/NDF: 28.0/27

Left Out: -0.000+/-0.000 χ^2/NDF:16.2/24

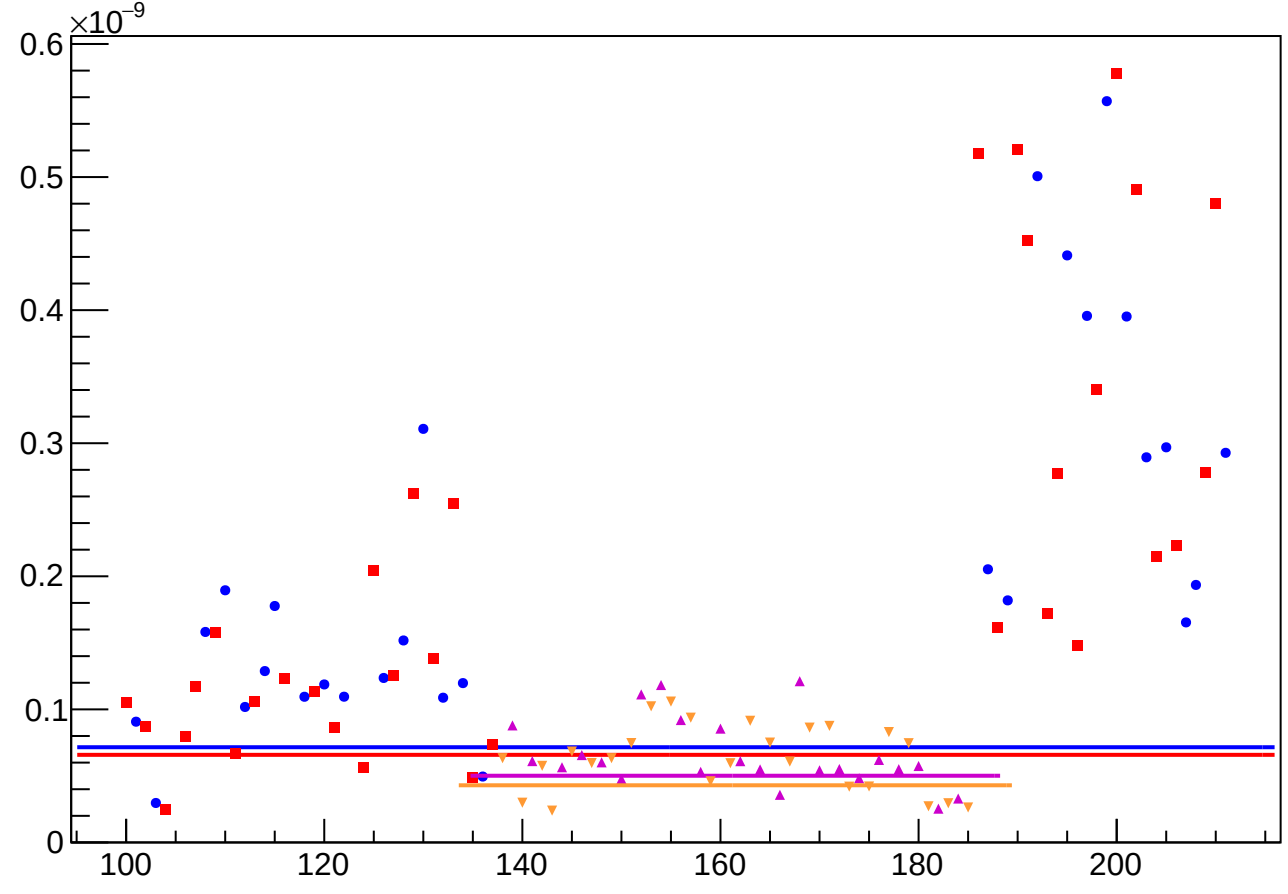
Right Out: 0.000+/-0.000 χ^2/NDF: 29.5/32

Left In: 0.000+/-0.000 χ^2/NDF:27.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 44.2/52

All: 0.000+/-0.000 χ^2/NDF: 104.5/108

- sign 0.000+/-0.000 χ^2/NDF: 57.4/55



Right In: 0.000+/-0.000 χ^2/NDF: 9824425.7/27

Left Out: 0.000+/-0.000 χ^2/NDF:5074676.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10115012.0/32

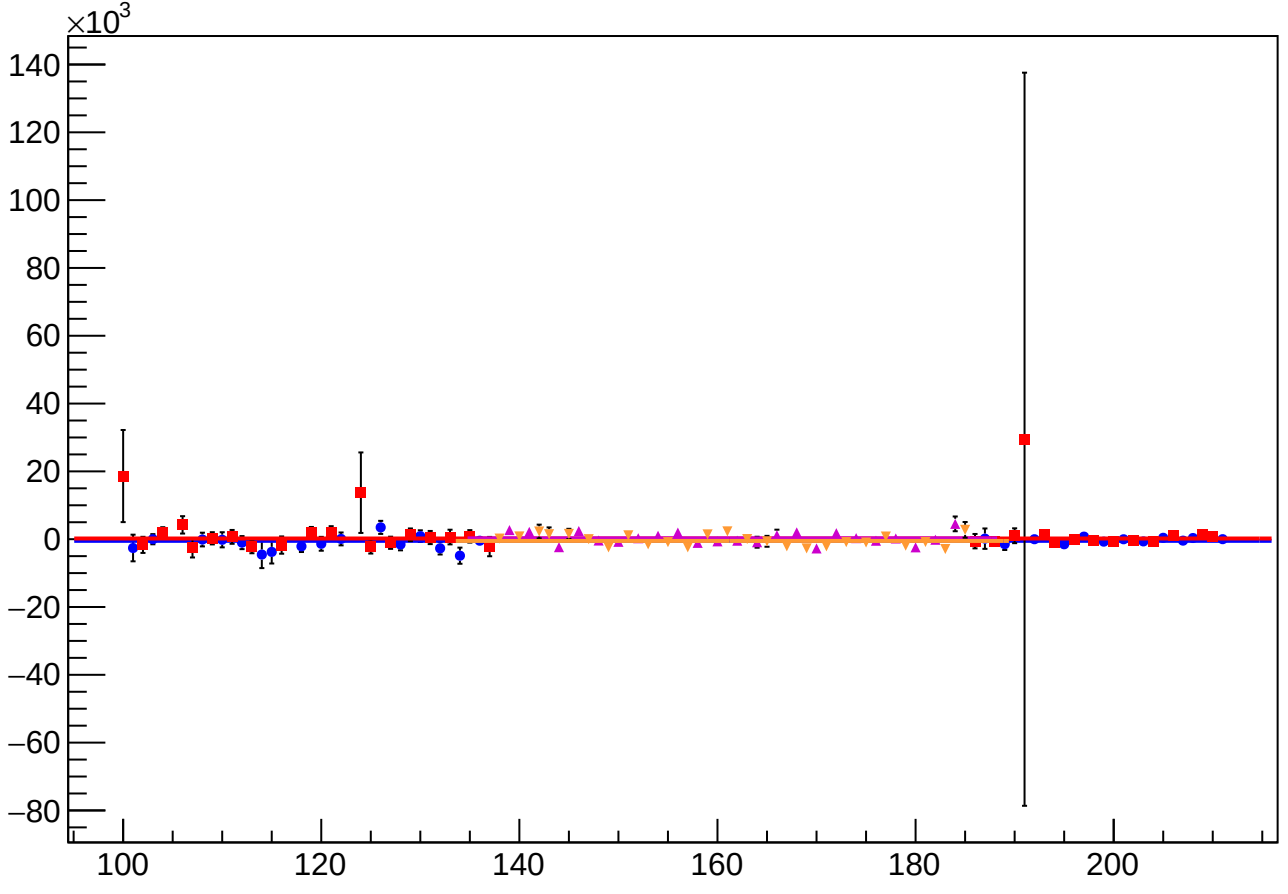
Left In: 0.000+/-0.000 χ^2/NDF:3611362.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 16276393.4/52

All: 0.000+/-0.000 χ^2/NDF: 30643938.9/108

- sign 0.000+/-0.000 χ^2/NDF: 14155401.6/55

reg_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -483.997+/-314.887 χ^2/NDF: 16.8/27

Left Out: -514.484+/-285.945 χ^2/NDF:30.9/24

Right Out: 201.580+/-306.871 χ^2/NDF: 20.6/32

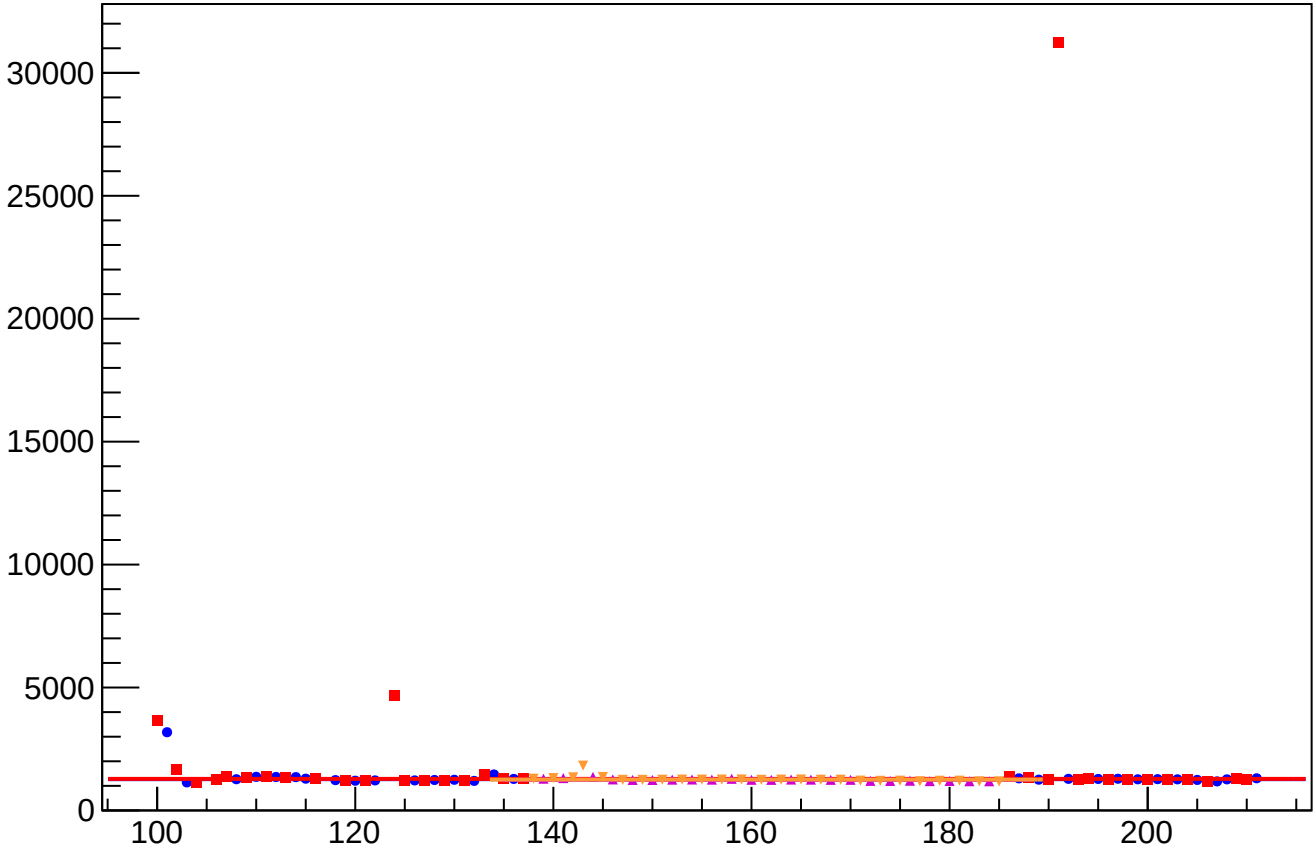
Left In: 242.686+/-291.166 χ^2/NDF:32.0/22

+ sign -500.706+/-211.688 χ^2/NDF: 47.7/52

All: -137.945+/-149.520 χ^2/NDF: 106.2/108

- sign 223.211+/-211.219 χ^2/NDF: 52.6/55

reg_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1273.158+/-0.223 χ^2/NDF: 533469.2/27

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.1/24

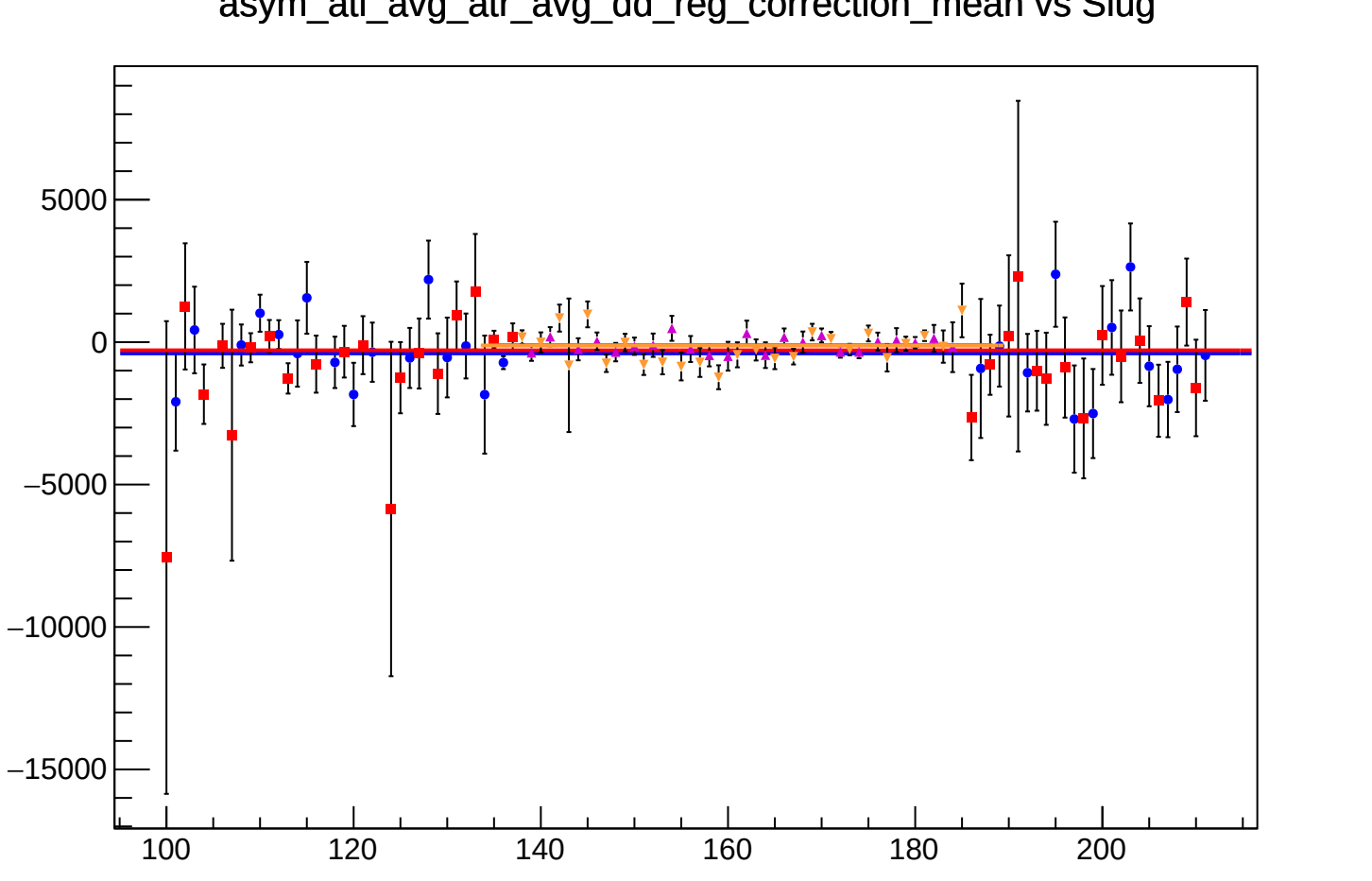
Right Out: 1283.681+/-0.217 χ^2/NDF: 507647.8/32

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

+ sign 1263.488+/-0.150 χ^2/NDF: 740034.8/52

All: 1263.764+/-0.106 χ^2/NDF: 1303118.1/10

- sign 1264.038+/-0.149 χ^2/NDF: 563076.6/55



Right In: -395.659+/-157.642 χ^2/NDF: 30.1/27

Left Out: -117.028+/-65.059 χ^2/NDF:48.4/24

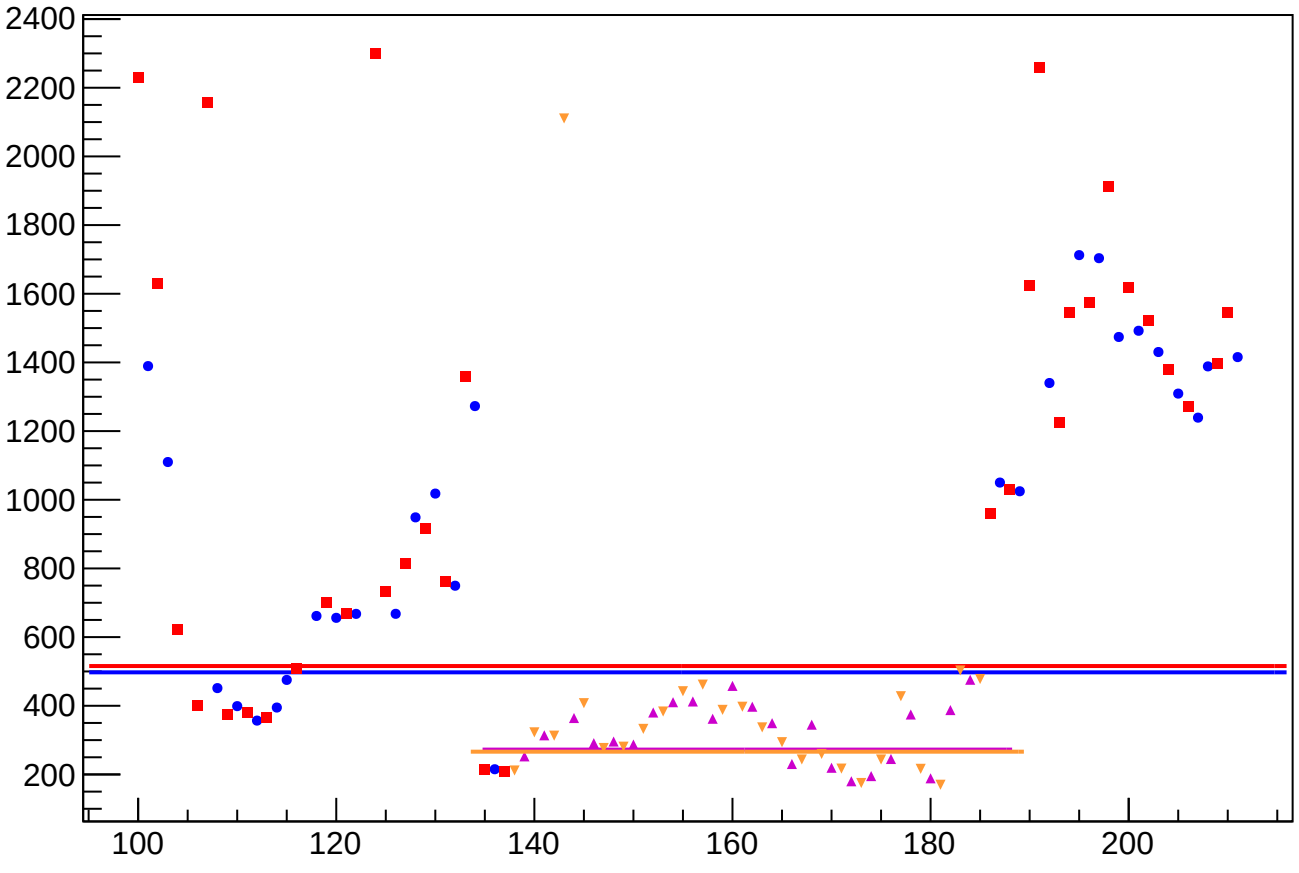
Right Out: -288.112+/-157.550 χ^2/NDF: 23.9/32

Left In: -107.341+/-67.001 χ^2/NDF:13.7/22

\+ sign -157.578+/-60.139 χ^2/NDF: 81.2/52

All: -146.584+/-43.051 χ^2/NDF: 120.0/108

\- sign -135.027+/-61.657 χ^2/NDF: 38.8/55


asym_atl_avg_atr_avg_dd_reg_correction_rms vs Slug
2400
2200
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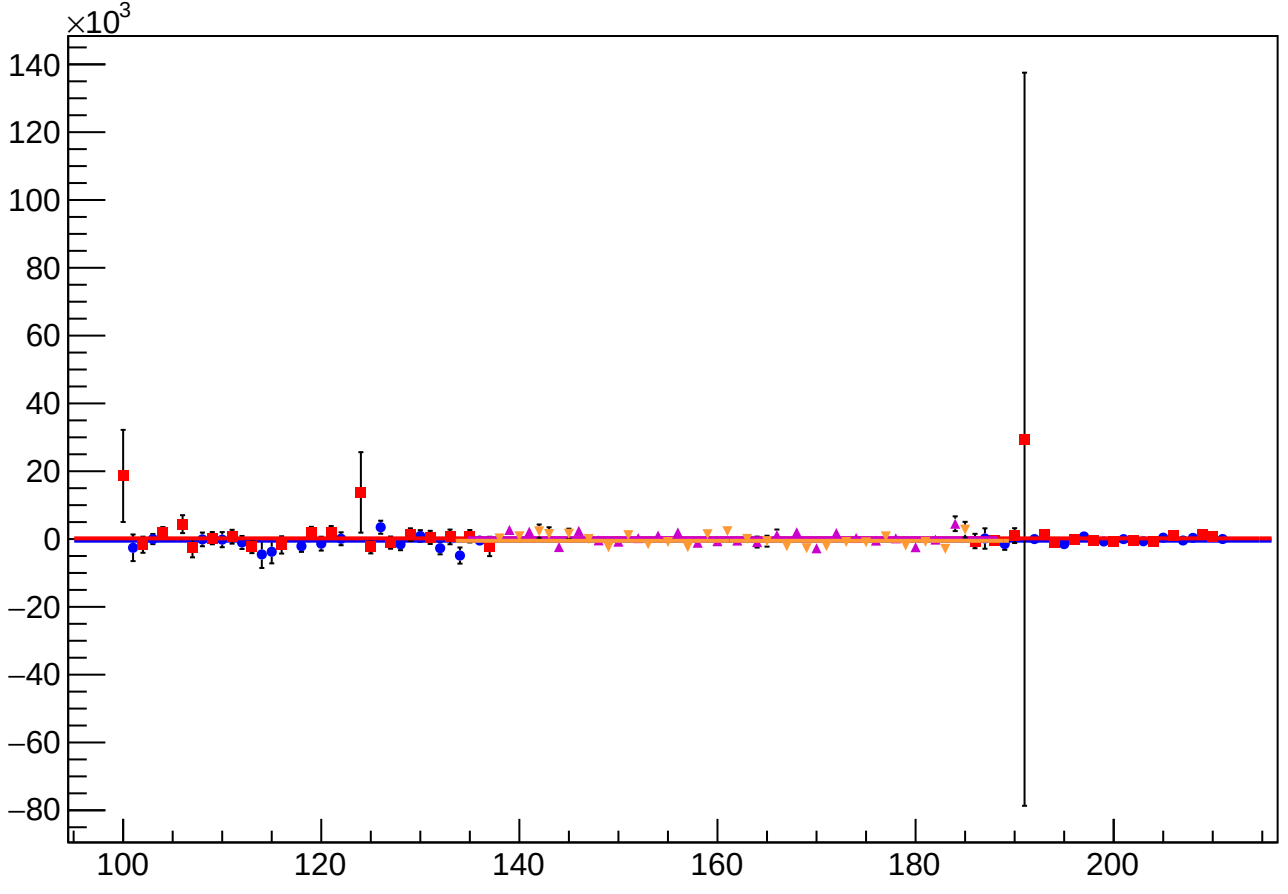
Right In: 497.382+/-0.111 χ²/NDF: 12960427.3/27
Left Out: 266.321+/-0.046 χ²/NDF:4630130.4/24
Right Out: 515.728+/-0.111 χ²/NDF: 13710459.9/32
Left In: 272.368+/-0.047 χ²/NDF:2887823.5/22
+ sign 299.948+/-0.043 χ²/NDF: 21261977.0/52
All: 304.673+/-0.030 χ²/NDF: 41926649.3/10
- sign 309.639+/-0.044 χ²/NDF: 20639350.2/55

cor_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -483.847+/-314.888 χ^2/NDF: 16.7/27

Left Out: -514.430+/-285.945 χ^2/NDF:30.9/24

Right Out: 200.417+/-307.003 χ^2/NDF: 20.6/32

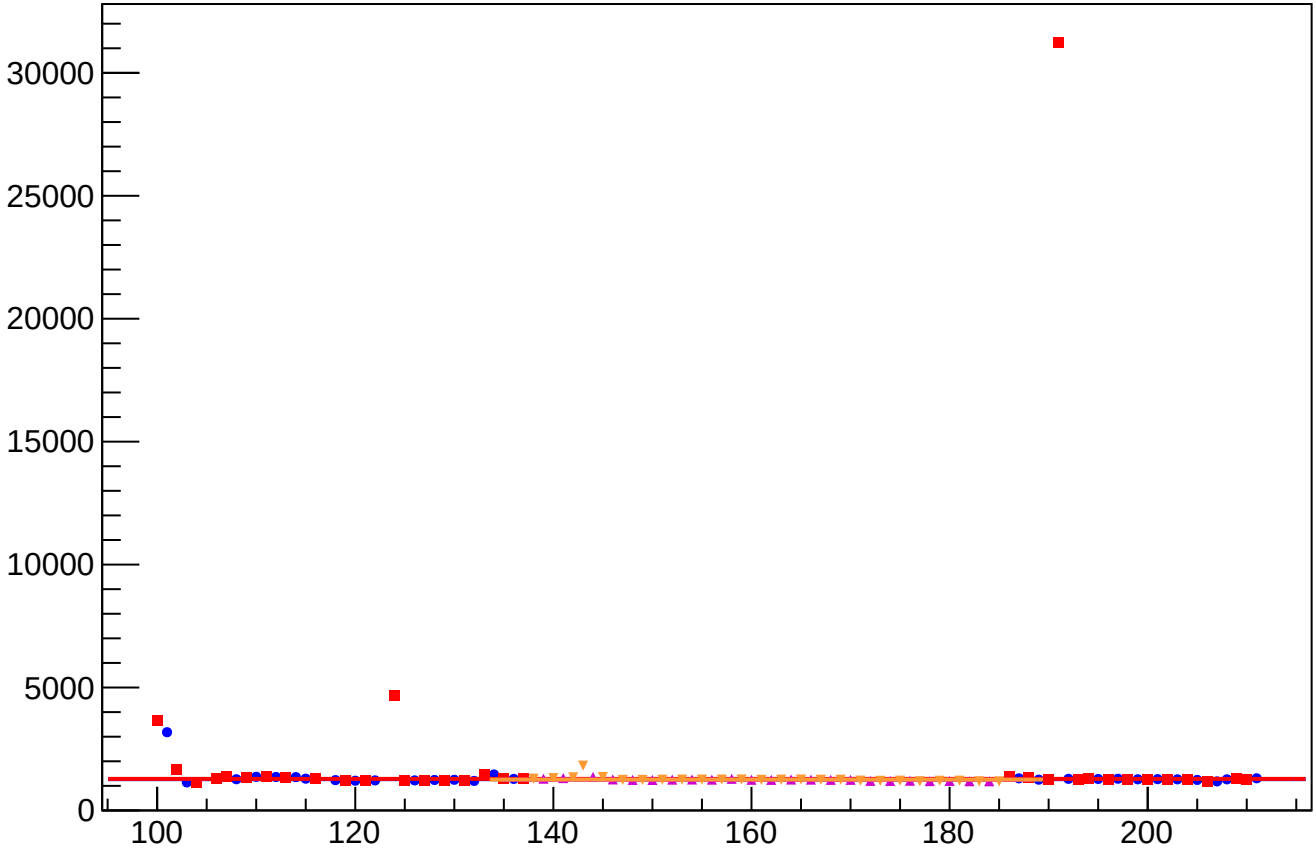
Left In: 242.663+/-291.166 χ^2/NDF:32.0/22

+ sign -500.608+/-211.688 χ^2/NDF: 47.7/52

All: -138.248+/-149.535 χ^2/NDF: 106.2/108

- sign 222.657+/-211.262 χ^2/NDF: 52.7/55

cor_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1273.158+/-0.223 χ^2/NDF: 533470.6/27

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.0/24

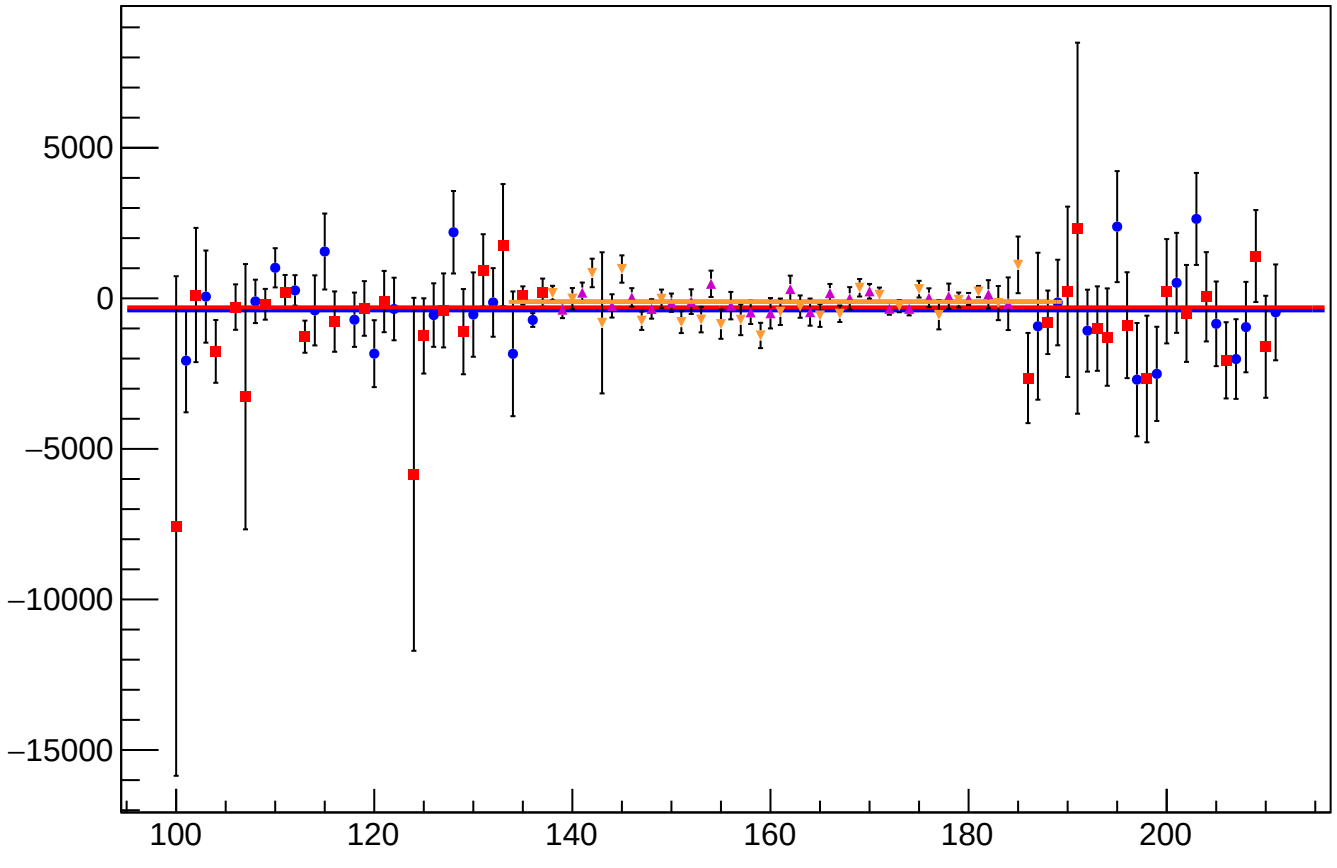
Right Out: 1284.249+/-0.217 χ^2/NDF: 507628.7/32

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

+ sign 1263.488+/-0.150 χ^2/NDF: 740036.1/52

All: 1263.894+/-0.106 χ^2/NDF: 1303578.3/10

- sign 1264.299+/-0.149 χ^2/NDF: 563527.5/55



Right In: -399.578+/-157.658 χ^2/NDF: 29.9/27

Left Out: -117.002+/-65.060 χ^2/NDF:48.4/24

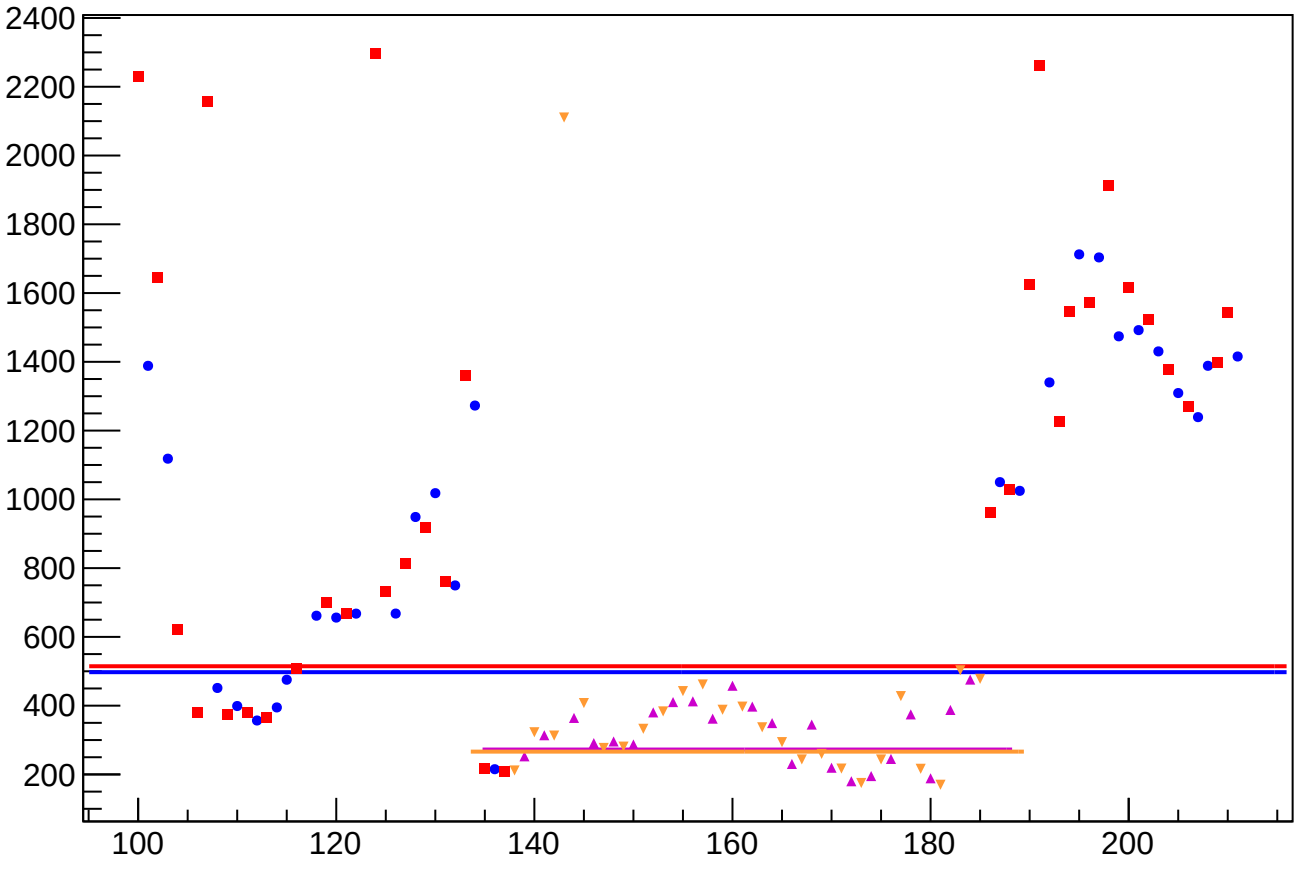
Right Out: -299.308+/-157.392 χ^2/NDF: 23.2/32

Left In: -107.459+/-67.003 χ^2/NDF:13.7/22

+ sign -158.121+/-60.141 χ^2/NDF: 81.0/52

All: -147.770+/-43.049 χ^2/NDF: 119.3/108

- sign -136.893+/-61.649 χ^2/NDF: 38.2/55


asym_atl_avg_atr_avg_dd_cor_correction_rms vs Slug
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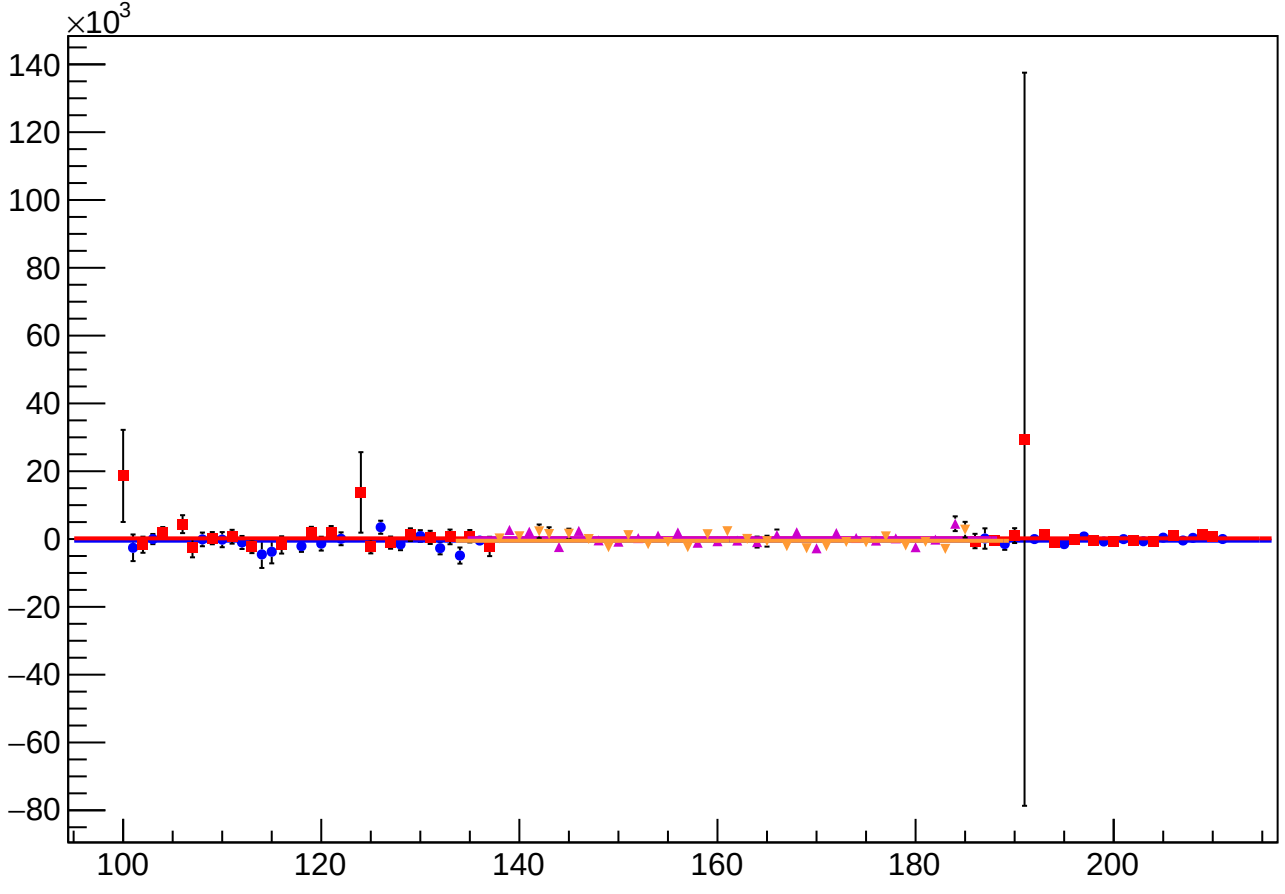
Right In: 497.399+/-0.111 χ²/NDF: 12963488.0/27
Left Out: 266.326+/-0.046 χ²/NDF:4630167.4/24
Right Out: 514.650+/-0.111 χ²/NDF: 13736257.1/32
Left In: 272.378+/-0.047 χ²/NDF:2887597.1/22
+ sign 299.951+/-0.043 χ²/NDF: 21264770.6/52
All: 304.630+/-0.030 χ²/NDF: 41925289.6/10
- sign 309.548+/-0.044 χ²/NDF: 20635684.7/55



Right In: -483.847+/-314.888 χ^2/NDF: 16.7/27

Left Out: -514.430+/-285.945 χ^2/NDF:30.9/24

Right Out: 200.417+/-307.003 χ^2/NDF: 20.6/32

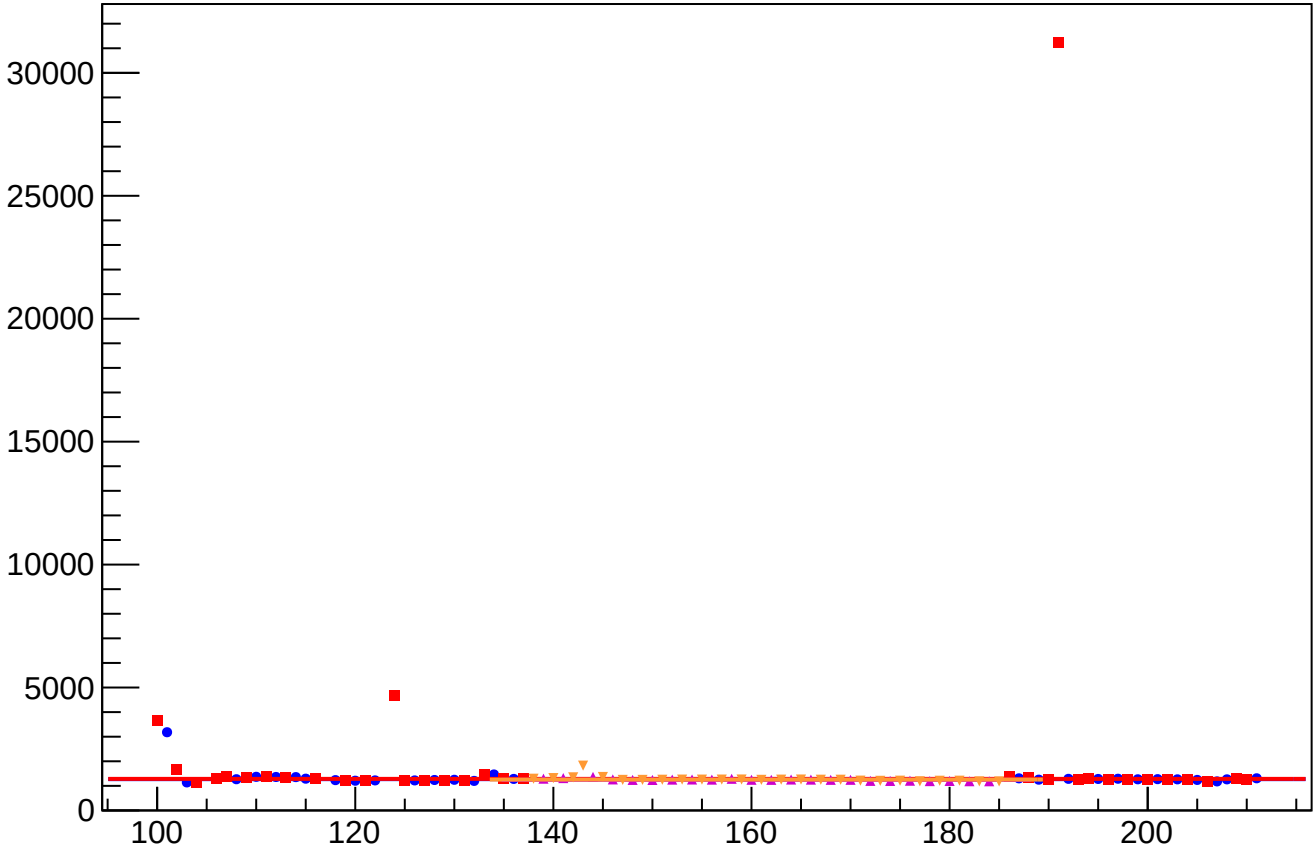
Left In: 242.663+/-291.166 χ^2/NDF:32.0/22

+ sign -500.608+/-211.688 χ^2/NDF: 47.7/52

All: -138.248+/-149.535 χ^2/NDF: 106.2/108

- sign 222.657+/-211.262 χ^2/NDF: 52.7/55

eigen_cor_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1273.158+/-0.223 χ^2/NDF: 533470.6/27

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.0/24

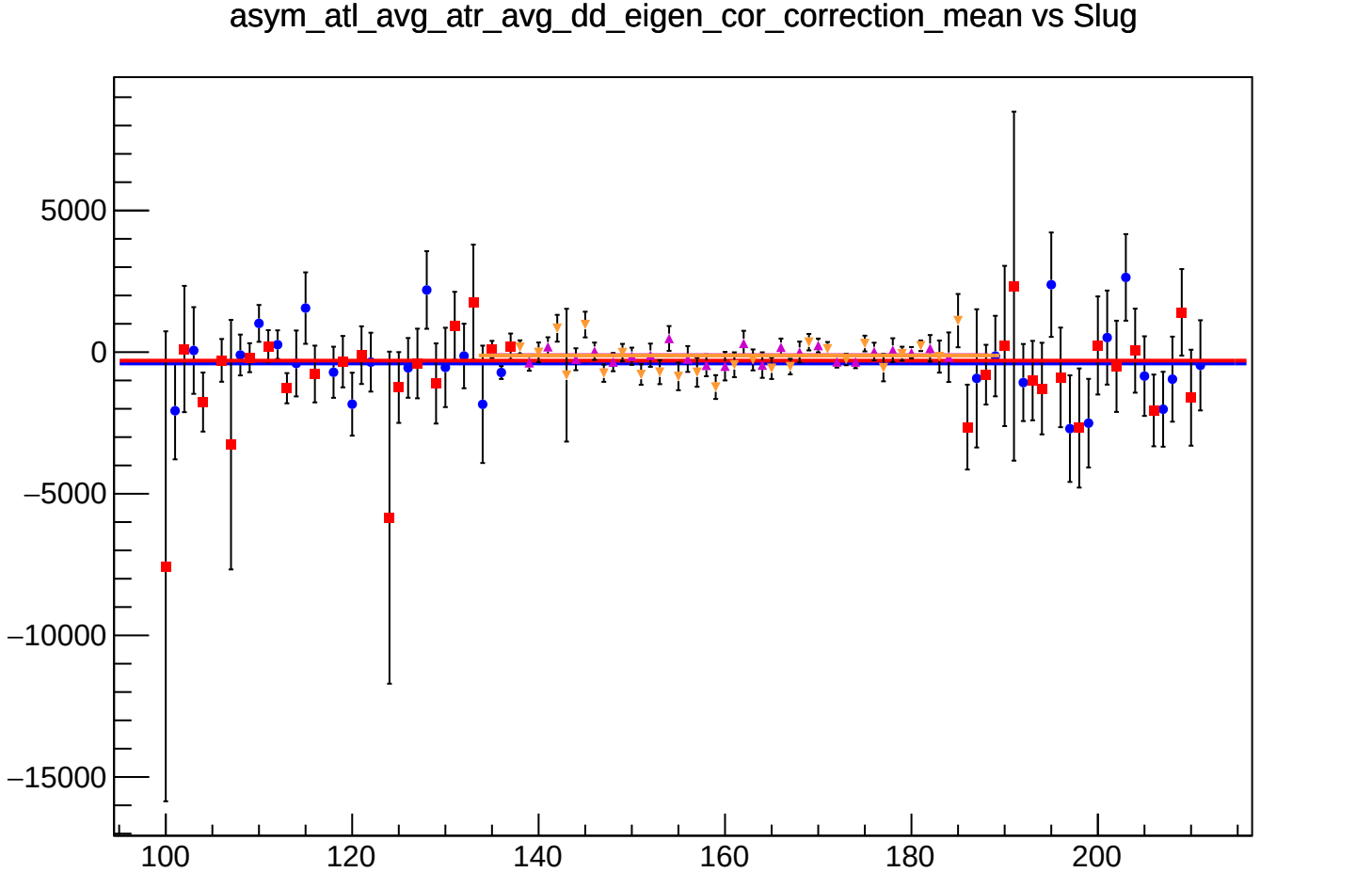
Right Out: 1284.249+/-0.217 χ^2/NDF: 507628.7/32

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

+ sign 1263.488+/-0.150 χ^2/NDF: 740036.1/52

All: 1263.894+/-0.106 χ^2/NDF: 1303578.3/10

- sign 1264.299+/-0.149 χ^2/NDF: 563527.5/55



Right In: -399.578+/-157.658 χ^2/NDF: 29.9/27

Left Out: -117.002+/-65.060 χ^2/NDF:48.4/24

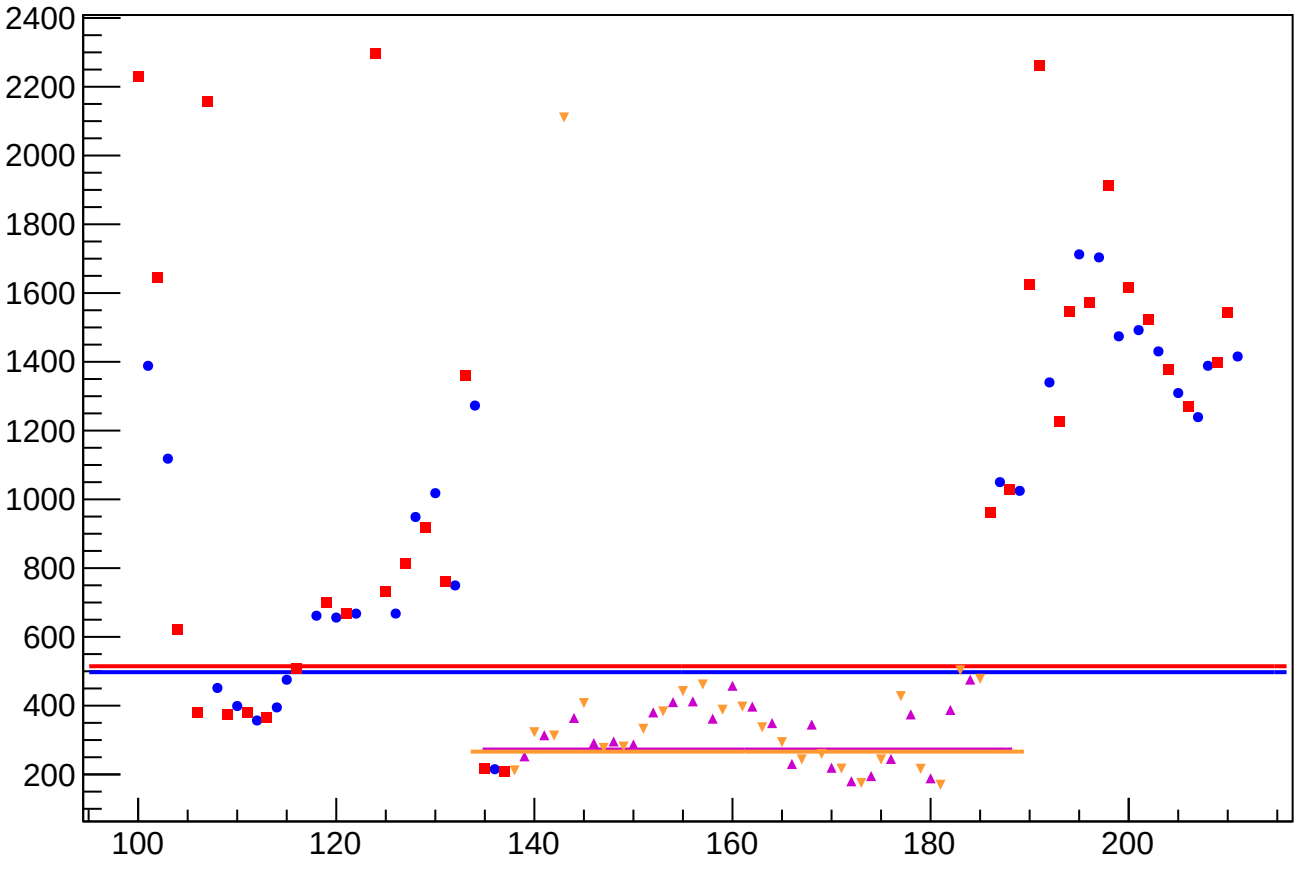
Right Out: -299.308+/-157.392 χ^2/NDF: 23.2/32

Left In: -107.459+/-67.003 χ^2/NDF:13.7/22

+ sign -158.121+/-60.141 χ^2/NDF: 81.0/52

All: -147.770+/-43.049 χ^2/NDF: 119.3/108

- sign -136.893+/-61.649 χ^2/NDF: 38.2/55


asym_atl_avg_atr_avg_dd_eigen_cor_correction_rms vs Slug
2400
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160
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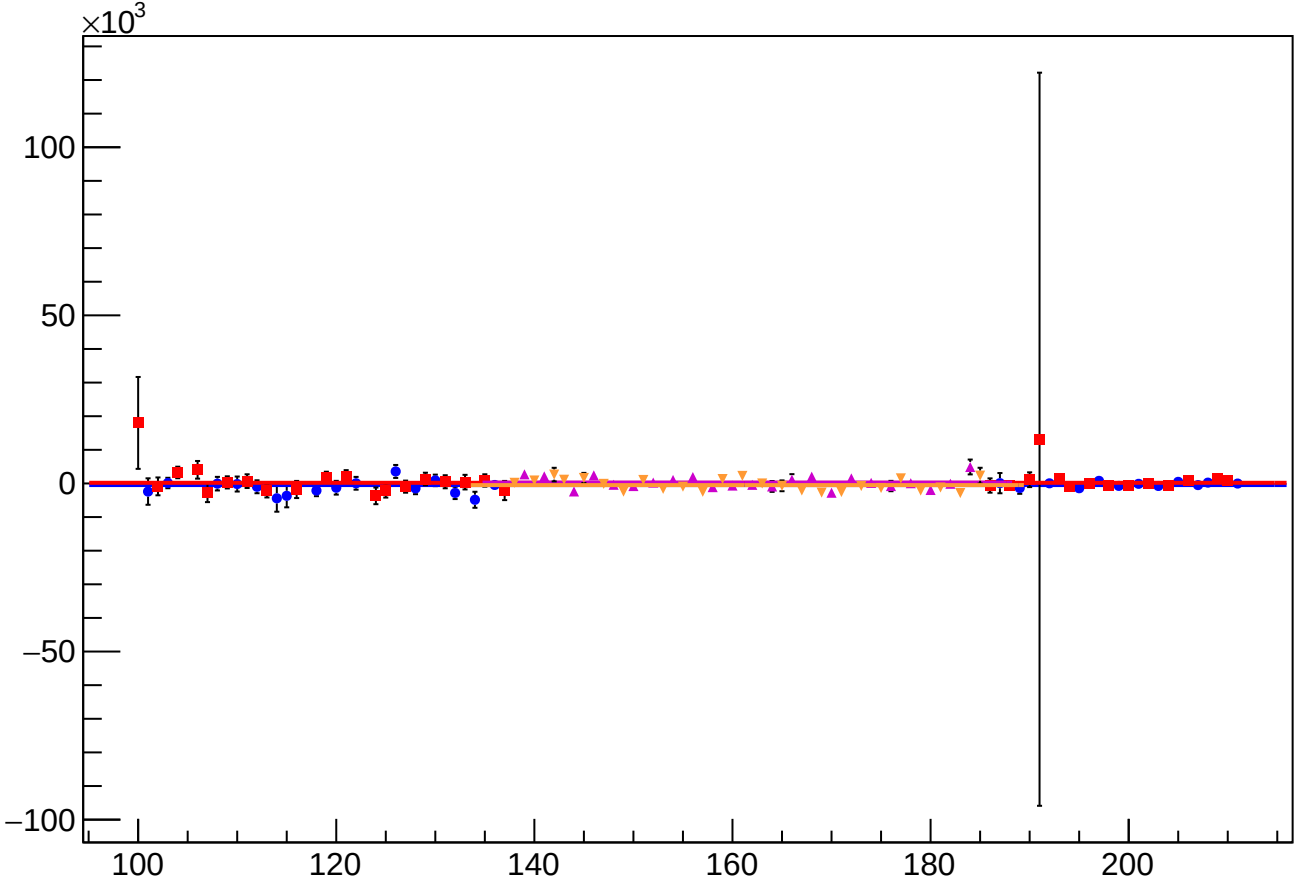
Right In: 497.399+/-0.111 χ²/NDF: 12963488.0/27
Left Out: 266.326+/-0.046 χ²/NDF:4630167.4/24
Right Out: 514.650+/-0.111 χ²/NDF: 13736257.1/32
Left In: 272.378+/-0.047 χ²/NDF:2887597.1/22
+ sign 299.951+/-0.043 χ²/NDF: 21264770.6/52
All: 304.630+/-0.030 χ²/NDF: 41925289.6/10
- sign 309.548+/-0.044 χ²/NDF: 20635684.7/55

dit_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -479.458+/-315.819 χ^2/NDF: 16.7/27

Left Out: -493.436+/-282.734 χ^2/NDF:34.2/24

Right Out: 194.371+/-306.419 χ^2/NDF: 22.5/32

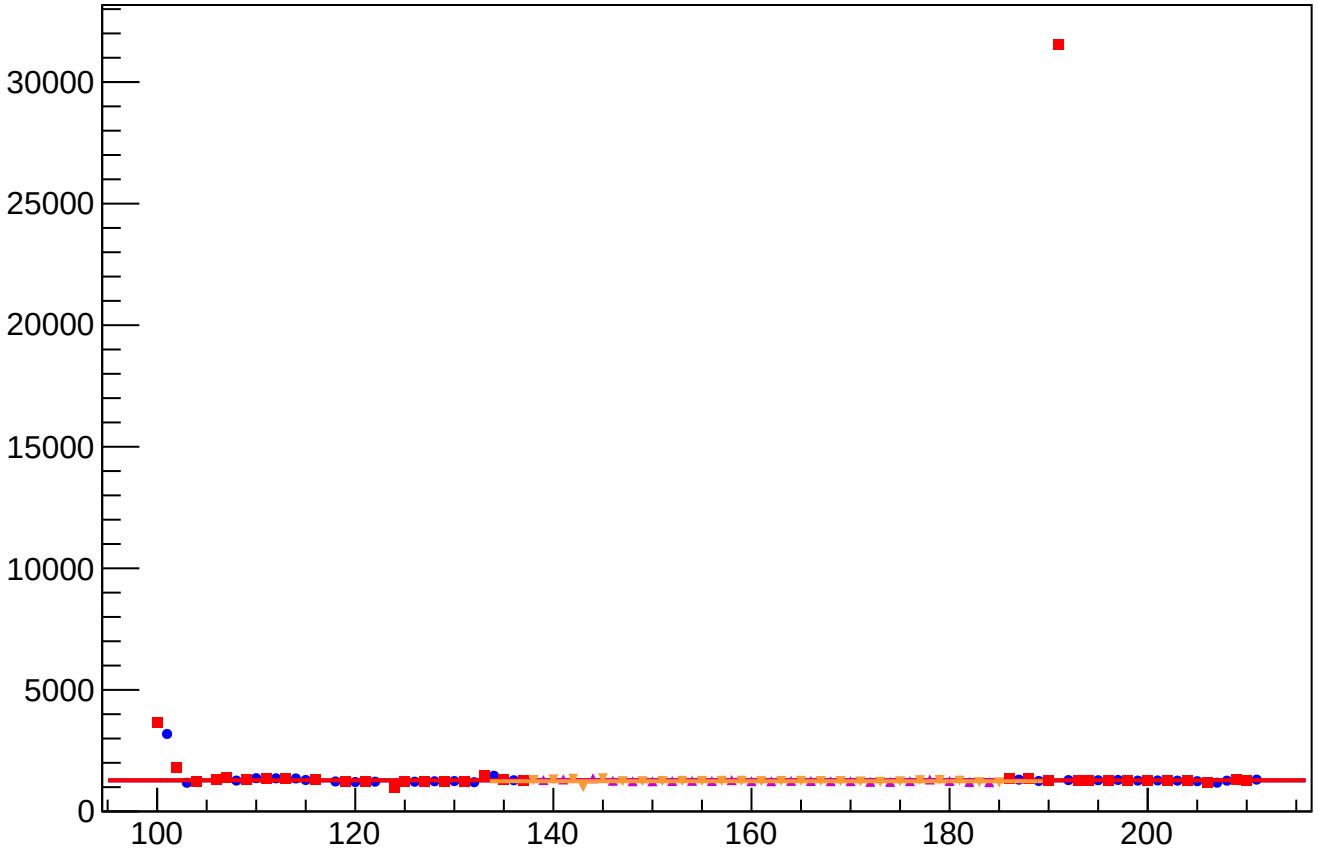
Left In: 242.004+/-294.339 χ^2/NDF:30.7/22

+ sign -487.217+/-210.652 χ^2/NDF: 50.9/52

All: -136.740+/-149.523 χ^2/NDF: 109.7/108

- sign 219.145+/-212.271 χ^2/NDF: 53.2/55

dit_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1277.011+/-0.223 χ^2/NDF: 526070.9/27

Left Out: 1242.539+/-0.200 χ^2/NDF:130023.1/24

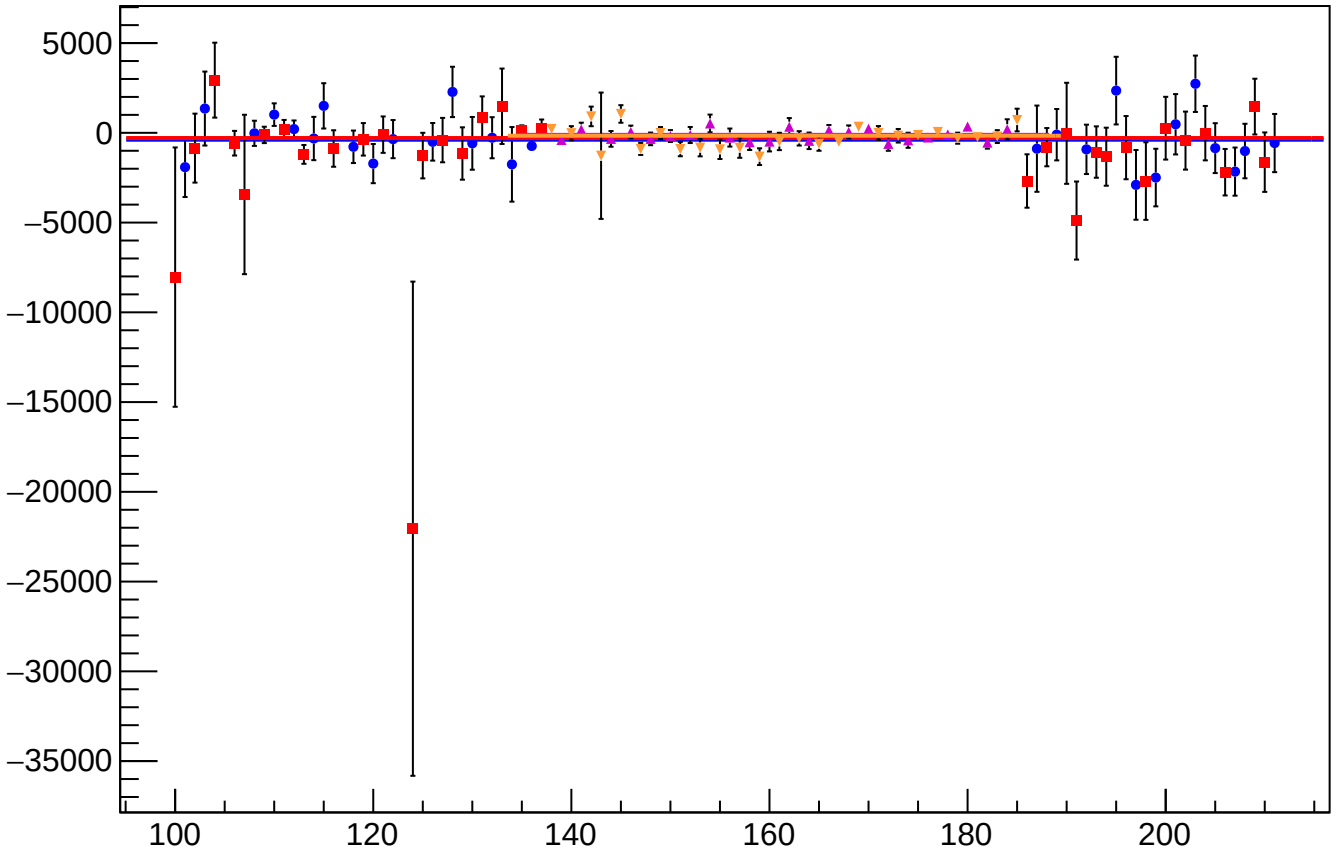
Right Out: 1281.875+/-0.217 χ^2/NDF: 388022.5/32

Left In: 1260.094+/-0.208 χ^2/NDF:27932.1/22

+ sign 1257.876+/-0.149 χ^2/NDF: 669321.2/52

All: 1264.163+/-0.106 χ^2/NDF: 1094122.5/10

- sign 1270.547+/-0.150 χ^2/NDF: 421210.7/55



Right In: -382.989+/-159.340 χ^2/NDF: 30.5/27

Left Out: -160.930+/-64.133 χ^2/NDF:43.8/24

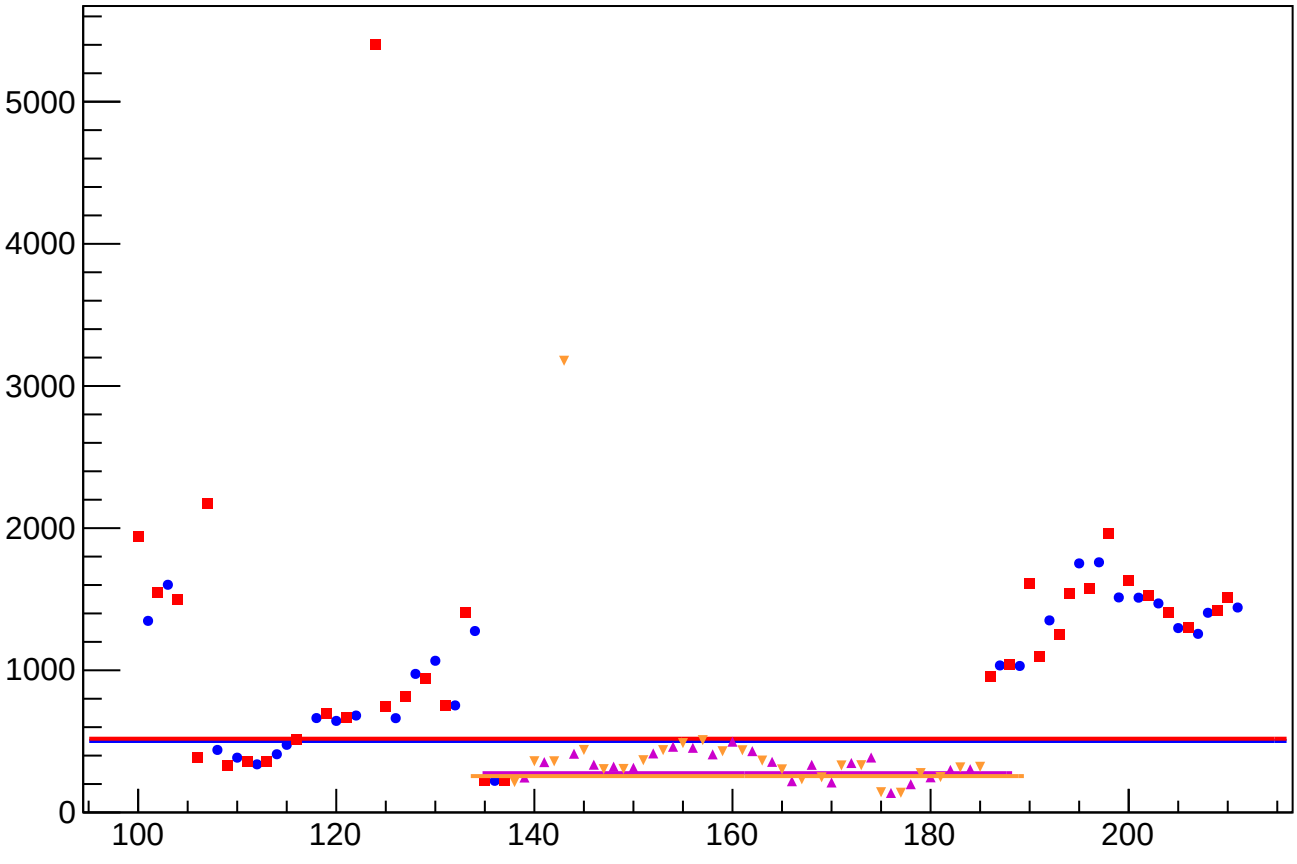
Right Out: -290.097+/-157.449 χ^2/NDF: 30.0/32

Left In: -113.722+/-68.841 χ^2/NDF:18.2/22

+ sign -191.888+/-59.494 χ^2/NDF: 75.9/52

All: -168.413+/-43.279 χ^2/NDF: 125.5/108

- sign -142.027+/-63.075 χ^2/NDF: 49.3/55



Right In: 502.779+/-0.113 χ^2/NDF: 13117690.3/27

Left Out: 255.768+/-0.045 χ^2/NDF:6373929.4/24

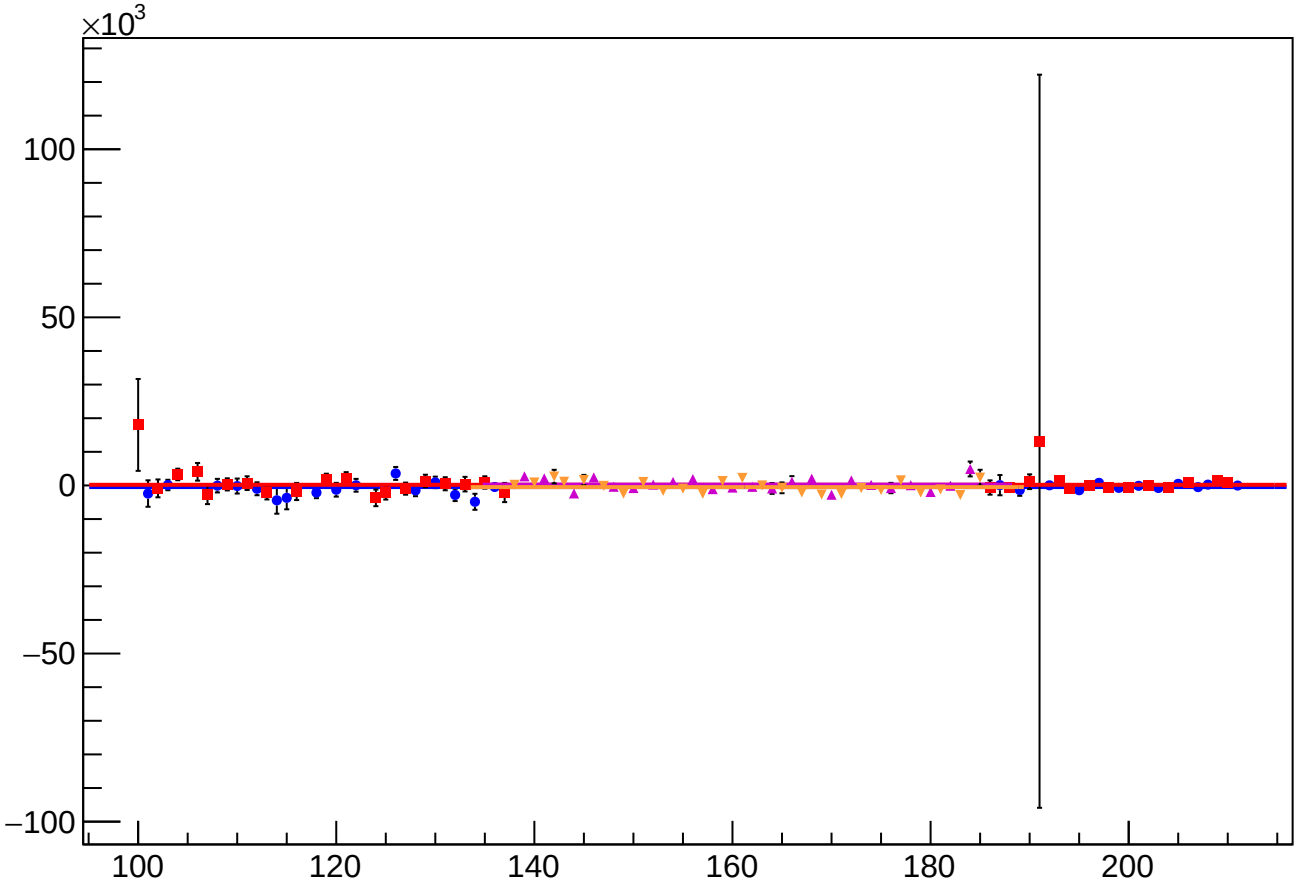
Right Out: 518.749+/-0.111 χ^2/NDF: 14250349.1/32

Left In: 276.298+/-0.049 χ^2/NDF:4027410.5/22

+ sign 290.205+/-0.042 χ^2/NDF: 23627870.9/52

All: 301.977+/-0.031 χ^2/NDF: 46053253.8/10

- sign 315.208+/-0.045 χ^2/NDF: 22259067.7/55



Right In: -479.458+/-315.819 χ^2/NDF: 16.7/27

Left Out: -493.435+/-282.734 χ^2/NDF:34.2/24

Right Out: 194.371+/-306.419 χ^2/NDF: 22.5/32

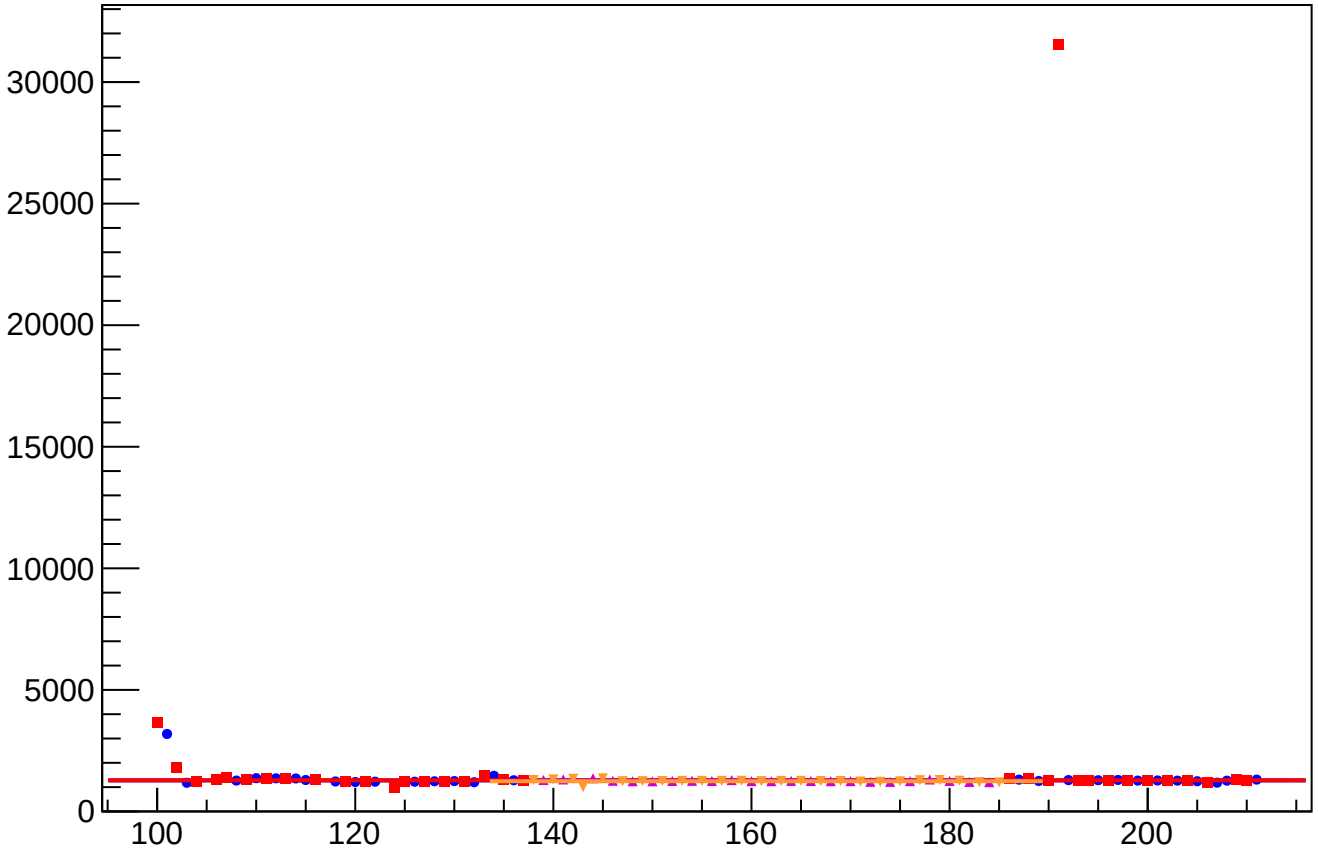
Left In: 242.004+/-294.339 χ^2/NDF:30.7/22

+ sign -487.217+/-210.652 χ^2/NDF: 50.9/52

All: -136.740+/-149.523 χ^2/NDF: 109.7/108

- sign 219.145+/-212.271 χ^2/NDF: 53.2/55

eigen_dit_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1277.011+/-0.223 χ^2/NDF: 526071.0/27

Left Out: 1242.539+/-0.200 χ^2/NDF:130022.2/24

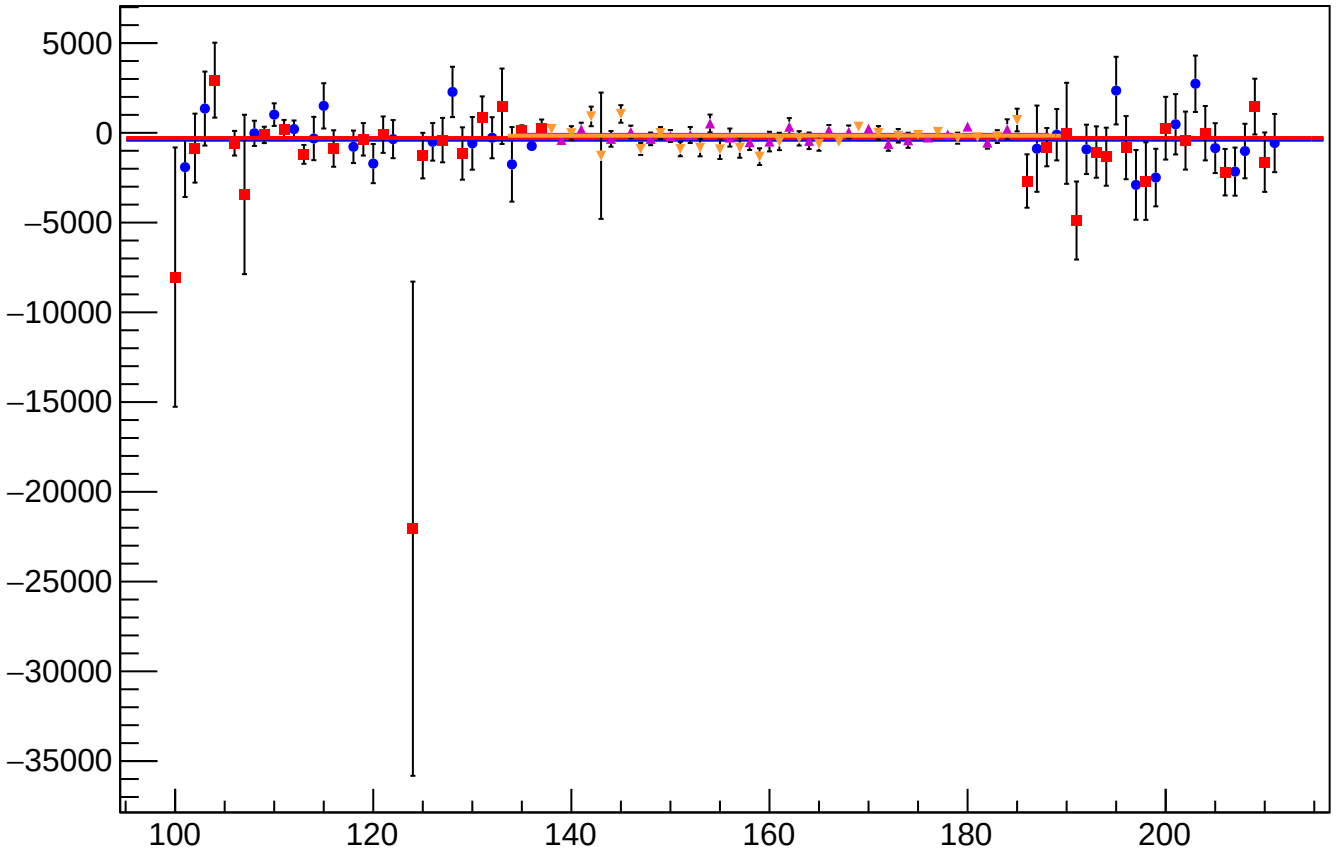
Right Out: 1281.875+/-0.217 χ^2/NDF: 388022.8/32

Left In: 1260.094+/-0.208 χ^2/NDF:27932.2/22

+ sign 1257.876+/-0.149 χ^2/NDF: 669320.3/52

All: 1264.163+/-0.106 χ^2/NDF: 1094121.9/10

- sign 1270.547+/-0.150 χ^2/NDF: 421211.1/55



Right In: -382.990+/-159.343 χ^2/NDF: 30.5/27

Left Out: -160.933+/-64.133 χ^2/NDF:43.8/24

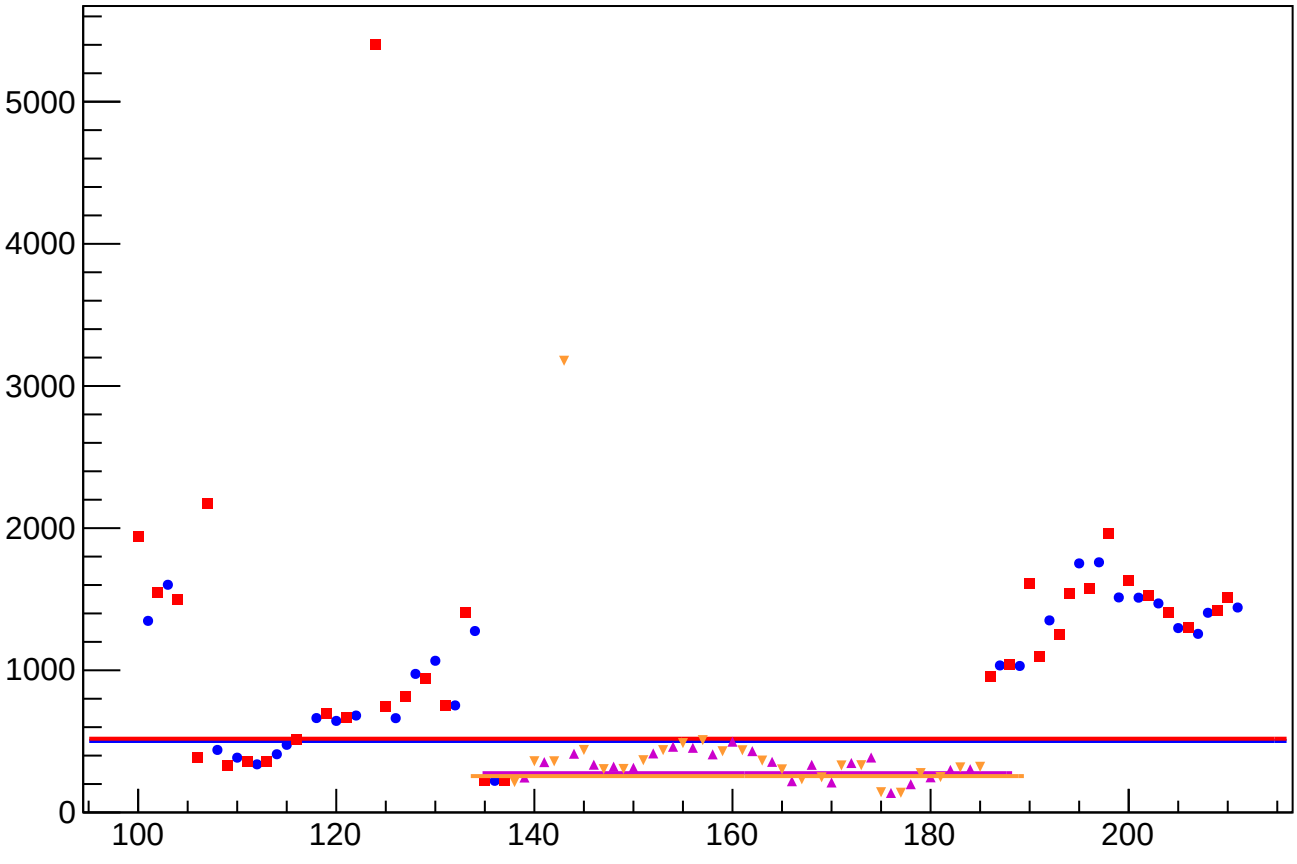
Right Out: -290.105+/-157.451 χ^2/NDF: 30.0/32

Left In: -113.720+/-68.841 χ^2/NDF:18.2/22

+ sign -191.890+/-59.495 χ^2/NDF: 75.9/52

All: -168.414+/-43.280 χ^2/NDF: 125.5/108

- sign -142.027+/-63.075 χ^2/NDF: 49.3/55



Right In: 502.792+/-0.113 χ^2/NDF: 13117305.3/27

Left Out: 255.770+/-0.045 χ^2/NDF:6373829.7/24

Right Out: 518.759+/-0.111 χ^2/NDF: 14250040.9/32

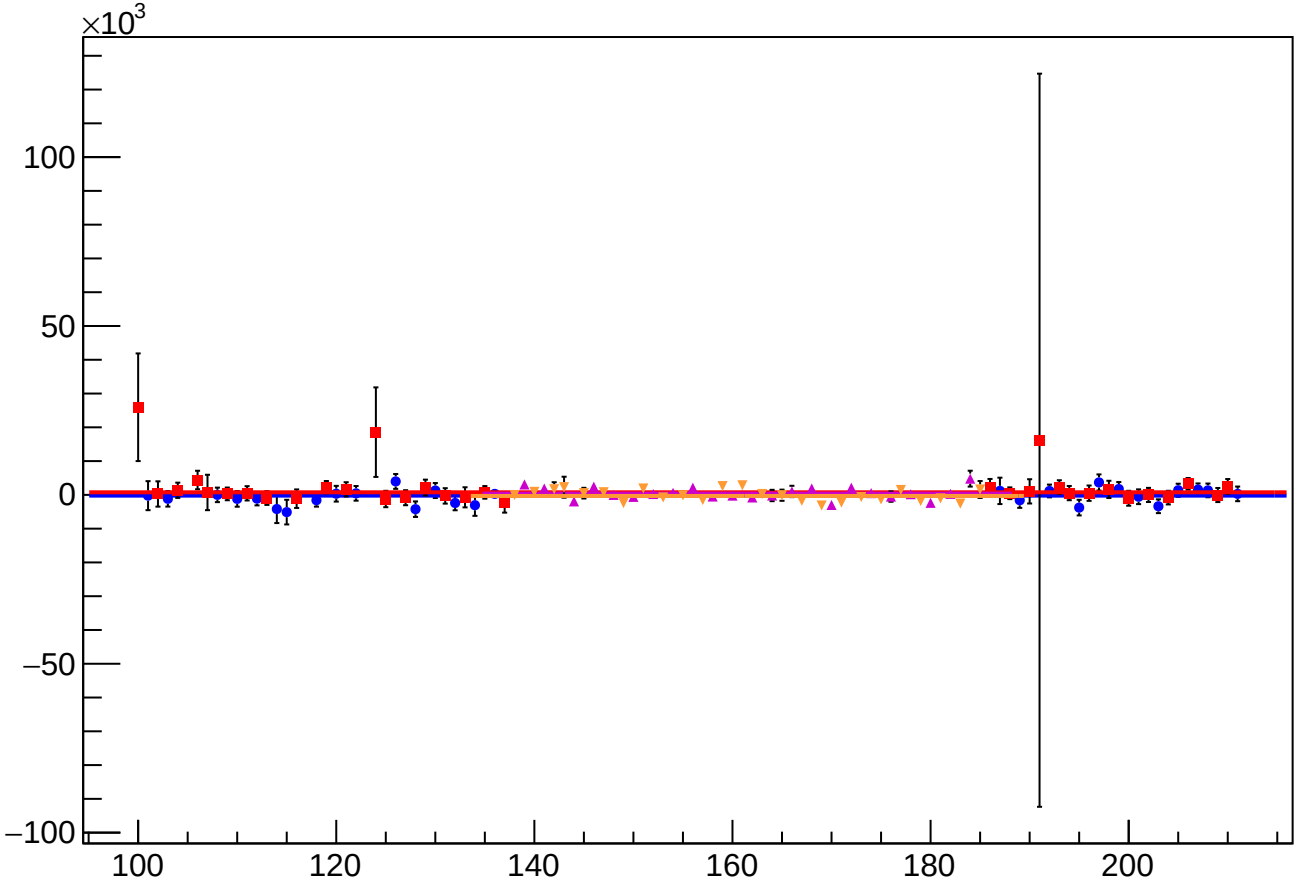
Left In: 276.299+/-0.049 χ^2/NDF:4027371.0/22

+ sign 290.207+/-0.042 χ^2/NDF: 23627648.4/52

All: 301.979+/-0.031 χ^2/NDF: 46052898.1/10

- sign 315.210+/-0.045 χ^2/NDF: 22258947.4/55

asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -222.335+/-417.031 χ^2/NDF: 24.6/27

Left Out: -319.744+/-298.271 χ^2/NDF:31.6/24

Right Out: 762.763+/-410.638 χ^2/NDF: 16.7/32

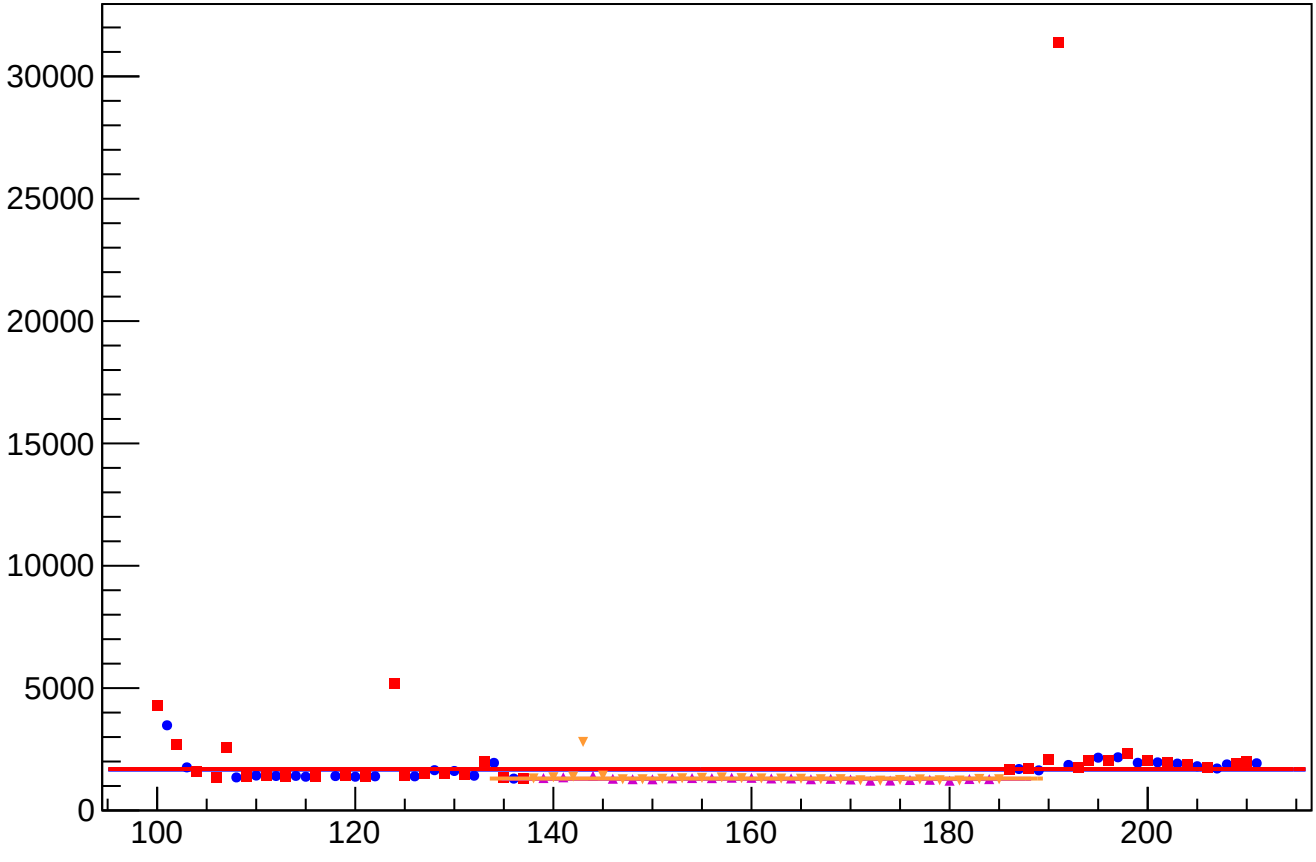
Left In: 356.387+/-301.902 χ^2/NDF:29.7/22

+ sign -286.778+/-242.605 χ^2/NDF: 56.2/52

All: 105.072+/-171.771 χ^2/NDF: 108.5/108

- sign 498.972+/-243.239 χ^2/NDF: 47.0/55

asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1668.386+/-0.295 χ^2/NDF: 1159771.1/27

Left Out: 1304.156+/-0.211 χ^2/NDF:519609.1/24

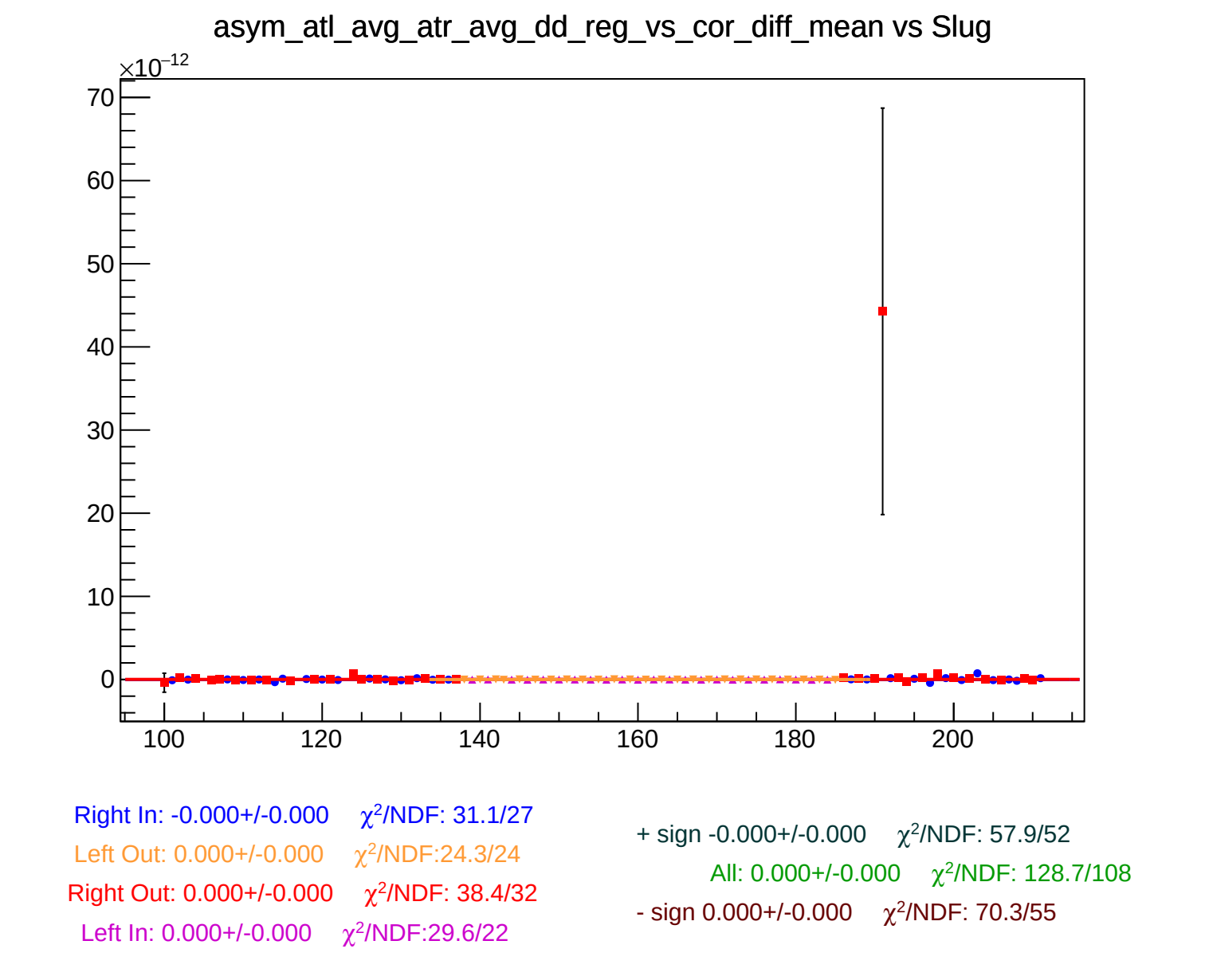
Right Out: 1693.505+/-0.290 χ^2/NDF: 1441660.0/32

Left In: 1292.123+/-0.213 χ^2/NDF:48343.1/22

+ sign 1427.421+/-0.172 χ^2/NDF: 2688689.6/52

All: 1430.181+/-0.121 χ^2/NDF: 5419606.7/10

- sign 1432.956+/-0.172 χ^2/NDF: 2730398.0/55


asym_atl_avg_atr_avg_dd_reg_vs_cor_diff_mean vs Slug
×10^−12
70
60
50
40
30
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100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 31.1/27
Left Out: 0.000+/-0.000 χ²/NDF:24.3/24
Right Out: 0.000+/-0.000 χ²/NDF: 38.4/32
Left In: 0.000+/-0.000 χ²/NDF:29.6/22
+ sign -0.000+/-0.000 χ²/NDF: 57.9/52
All: 0.000+/-0.000 χ²/NDF: 128.7/108
- sign 0.000+/-0.000 χ²/NDF: 70.3/55

Right In: 0.000+/-0.000 χ^2/NDF: 7955524.5/27

Left Out: 0.000+/-0.000 χ^2/NDF:2715297.7/24

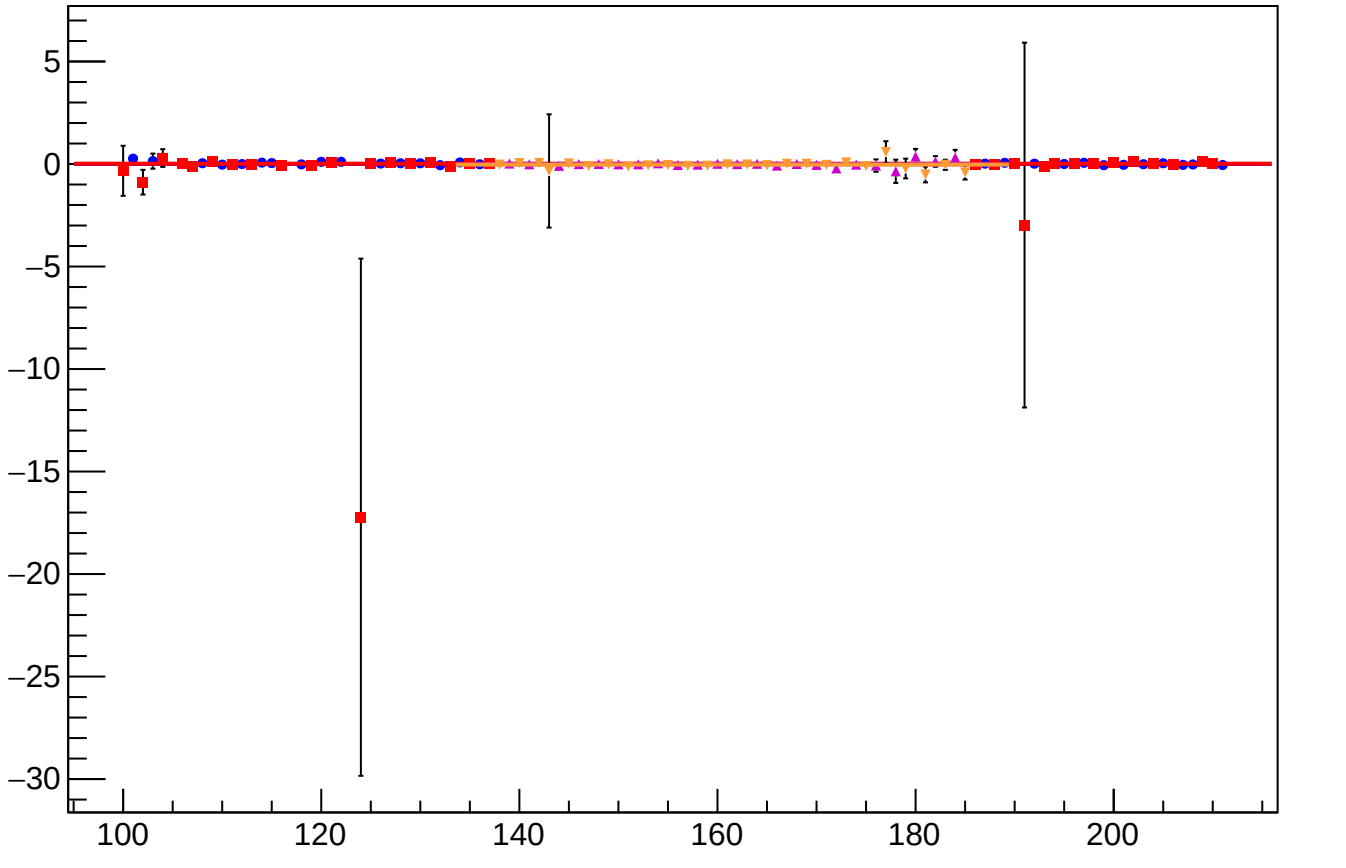
Right Out: 0.000+/-0.000 χ^2/NDF: 10597782.0/32

Left In: 0.000+/-0.000 χ^2/NDF:1884808.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 11775462.7/52

All: 0.000+/-0.000 χ^2/NDF: 25387237.5/108

- sign 0.000+/-0.000 χ^2/NDF: 13586026.1/55



Right In: 0.004+/-0.012 χ^2/NDF: 16.9/27

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

Right Out: 0.014+/-0.011 χ^2/NDF: 26.8/32

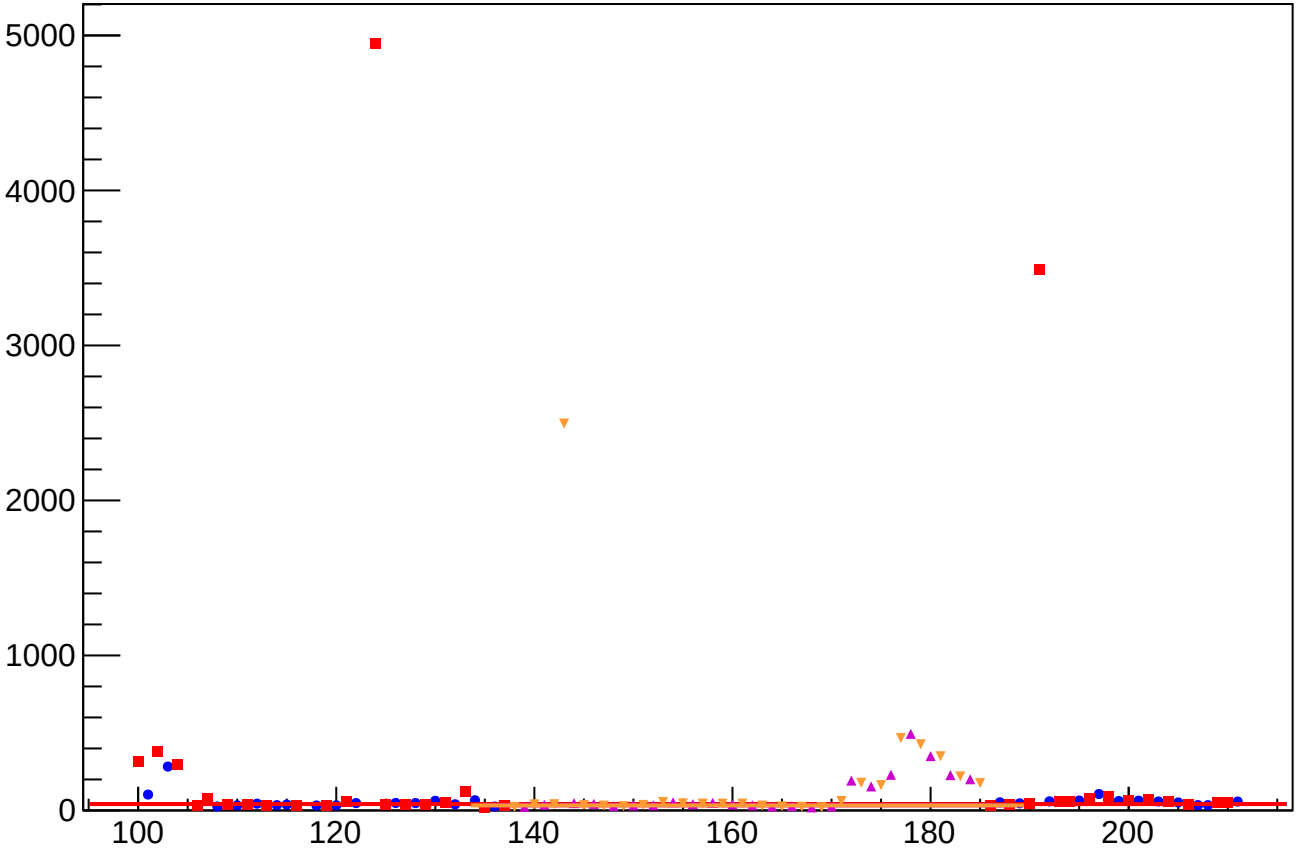
Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

+ sign -0.015+/-0.007 χ^2/NDF: 49.4/52

All: -0.008+/-0.005 χ^2/NDF: 94.1/108

- sign -0.001+/-0.007 χ^2/NDF: 42.7/55

asym_atl_avg_atr_avg_dd_dit_vs_cor_diff_rms vs Slug



Right In: 41.542+/-0.008 χ^2/NDF: 4250736.0/27

Left Out: 32.551+/-0.007 χ^2/NDF:10871758.1/24

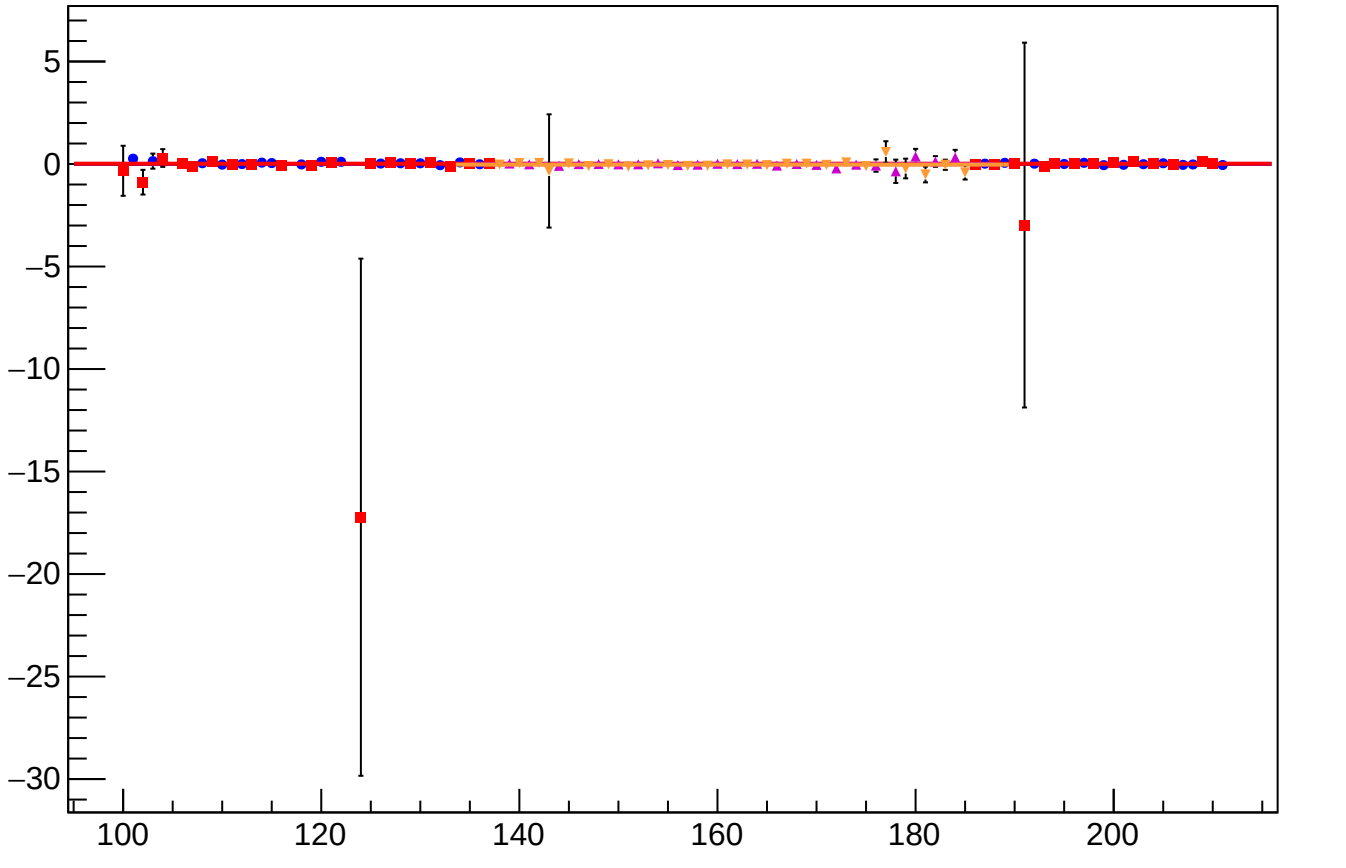
Right Out: 41.097+/-0.008 χ^2/NDF: 5513174.4/32

Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

+ sign 36.136+/-0.005 χ^2/NDF: 15834485.9/52

All: 36.165+/-0.004 χ^2/NDF: 30951086.2/108

- sign 36.194+/-0.005 χ^2/NDF: 15116539.4/55



Right In: 0.004+/-0.012 χ^2/NDF: 16.9/27

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

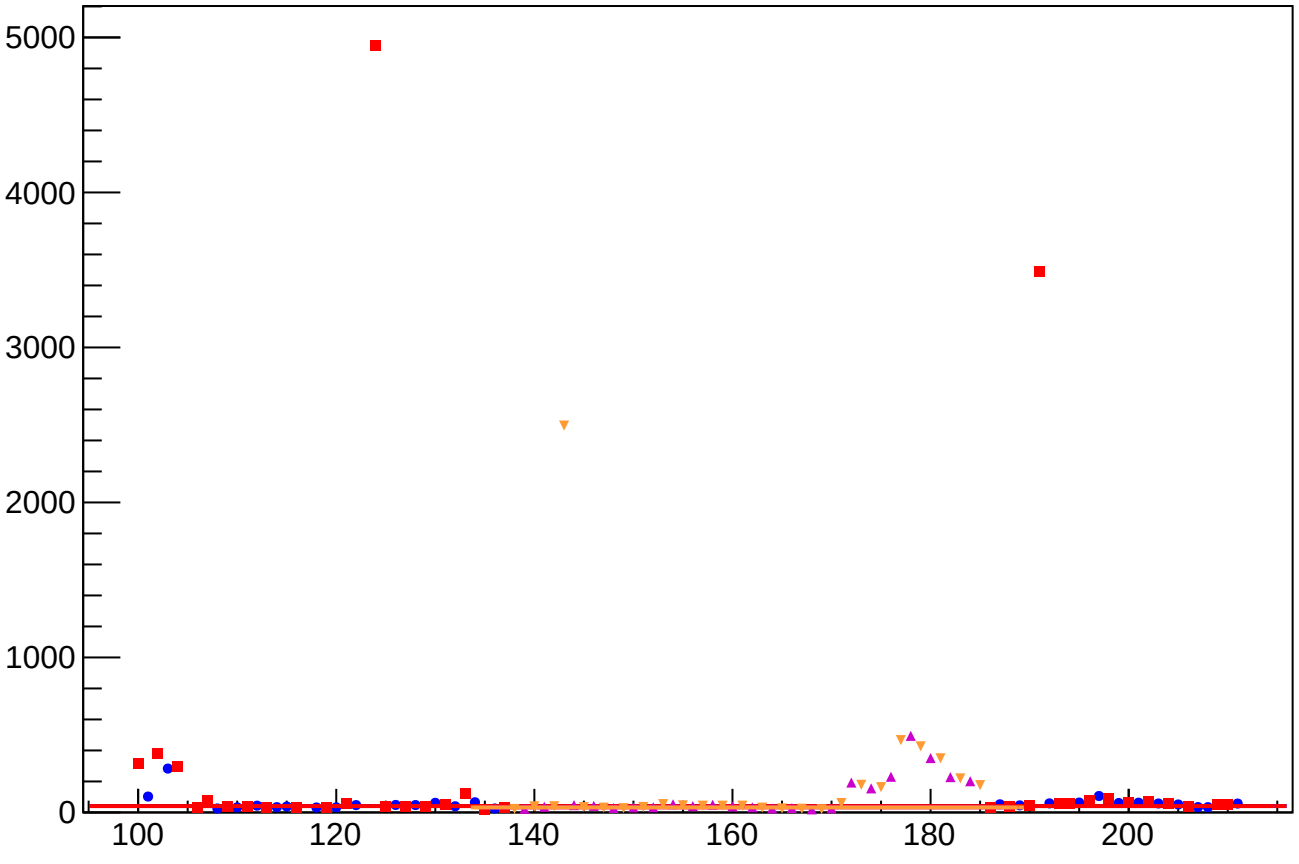
Right Out: 0.014+/-0.011 χ^2/NDF: 26.8/32

Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

\+ sign -0.015+/-0.007 χ^2/NDF: 49.4/52

All: -0.008+/-0.005 χ^2/NDF: 94.1/108

\- sign -0.001+/-0.007 χ^2/NDF: 42.7/55



Right In: 41.542+/-0.008 χ^2/NDF: 4250736.0/27

Left Out: 32.551+/-0.007 χ^2/NDF:10871758.1/24

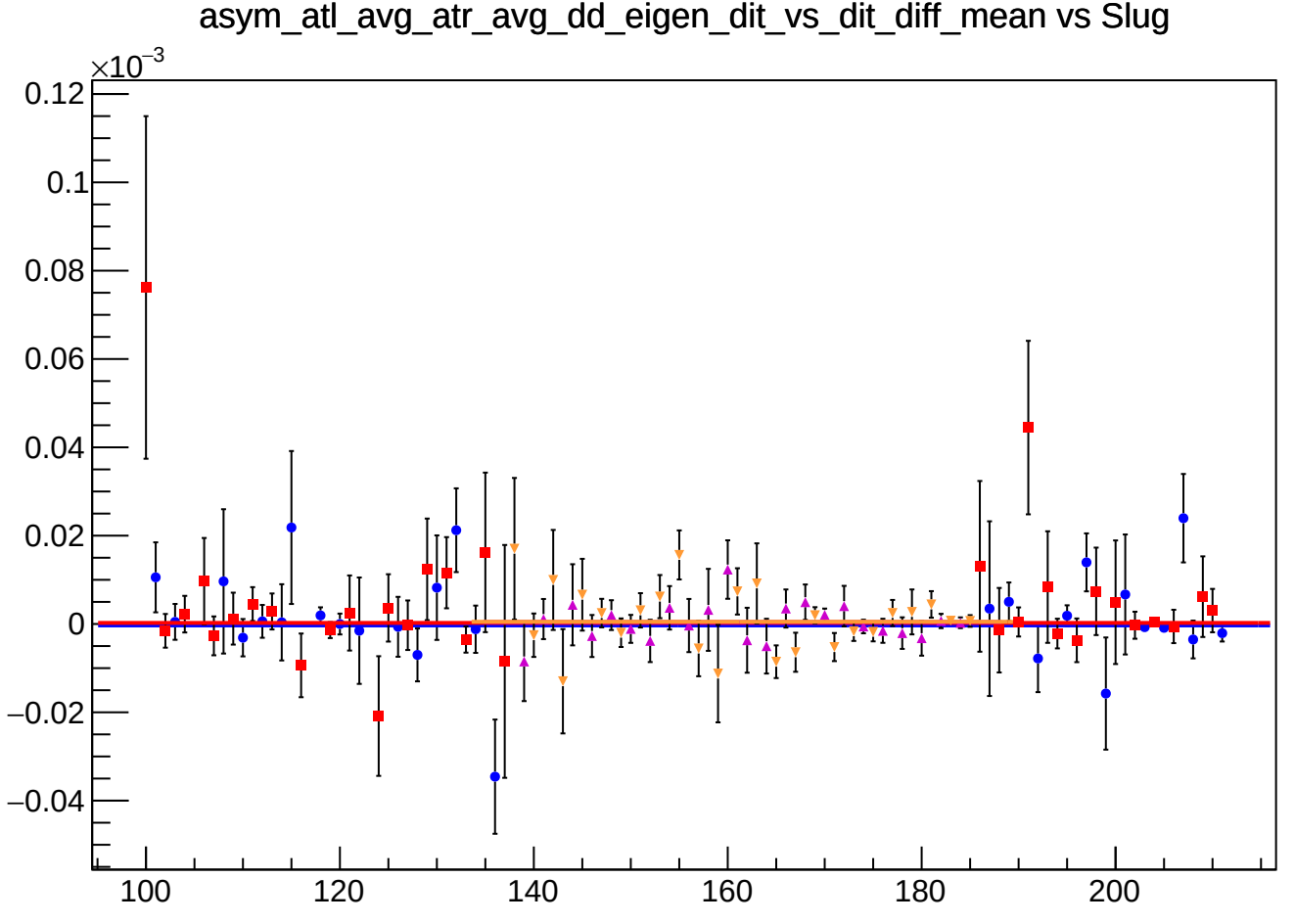
Right Out: 41.097+/-0.008 χ^2/NDF: 5513174.4/32

Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

+ sign 36.136+/-0.005 χ^2/NDF: 15834485.9/52

All: 36.165+/-0.004 χ^2/NDF: 30951086.2/108

- sign 36.194+/-0.005 χ^2/NDF: 15116539.4/55



Right In: -0.000+/-0.000 χ^2/NDF: 37.7/27

Left Out: 0.000+/-0.000 χ^2/NDF:35.7/24

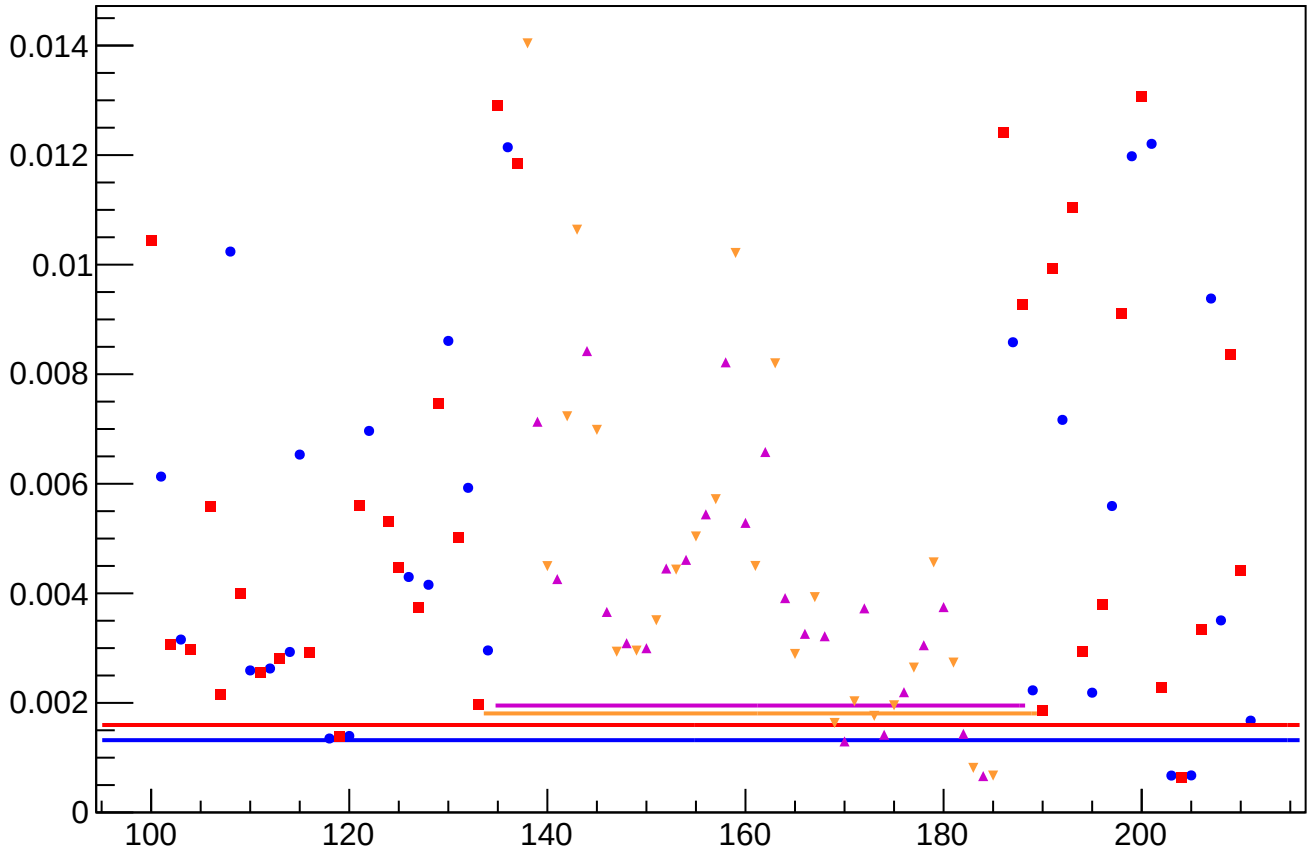
Right Out: 0.000+/-0.000 χ^2/NDF: 26.9/32

Left In: 0.000+/-0.000 χ^2/NDF:13.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 74.7/52

All: 0.000+/-0.000 χ^2/NDF: 115.6/108

- sign 0.000+/-0.000 χ^2/NDF: 40.7/55



Right In: 0.001+/-0.000 χ^2/NDF: 15949446.5/27

Left Out: 0.002+/-0.000 χ^2/NDF:14941257.4/24

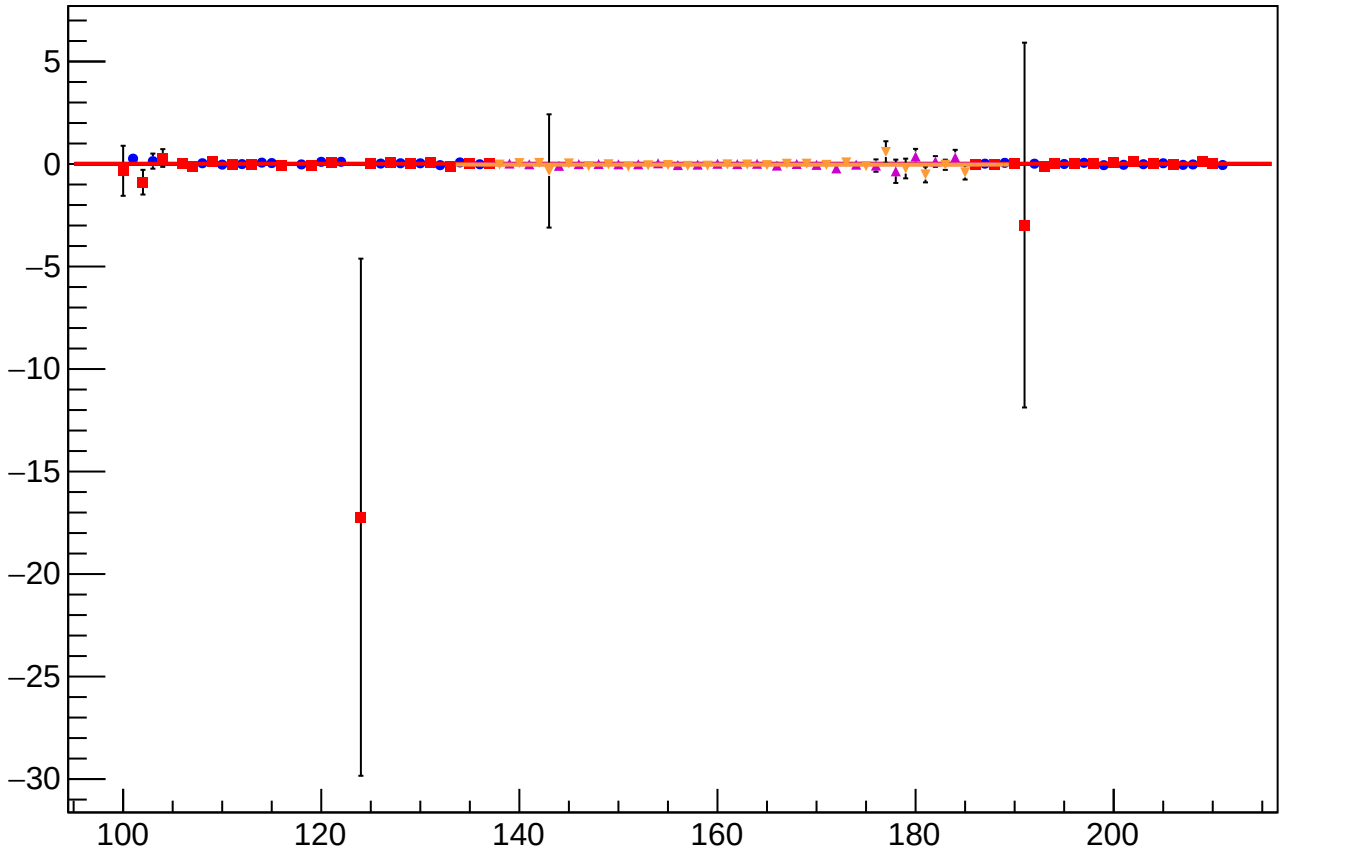
Right Out: 0.002+/-0.000 χ^2/NDF: 17195668.7/32

Left In: 0.002+/-0.000 χ^2/NDF:11478607.0/22

+ sign 0.002+/-0.000 χ^2/NDF: 31766101.1/52

All: 0.002+/-0.000 χ^2/NDF: 61165156.4/108

- sign 0.002+/-0.000 χ^2/NDF: 29057858.7/55



Right In: 0.004+/-0.012 χ^2/NDF: 16.9/27

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

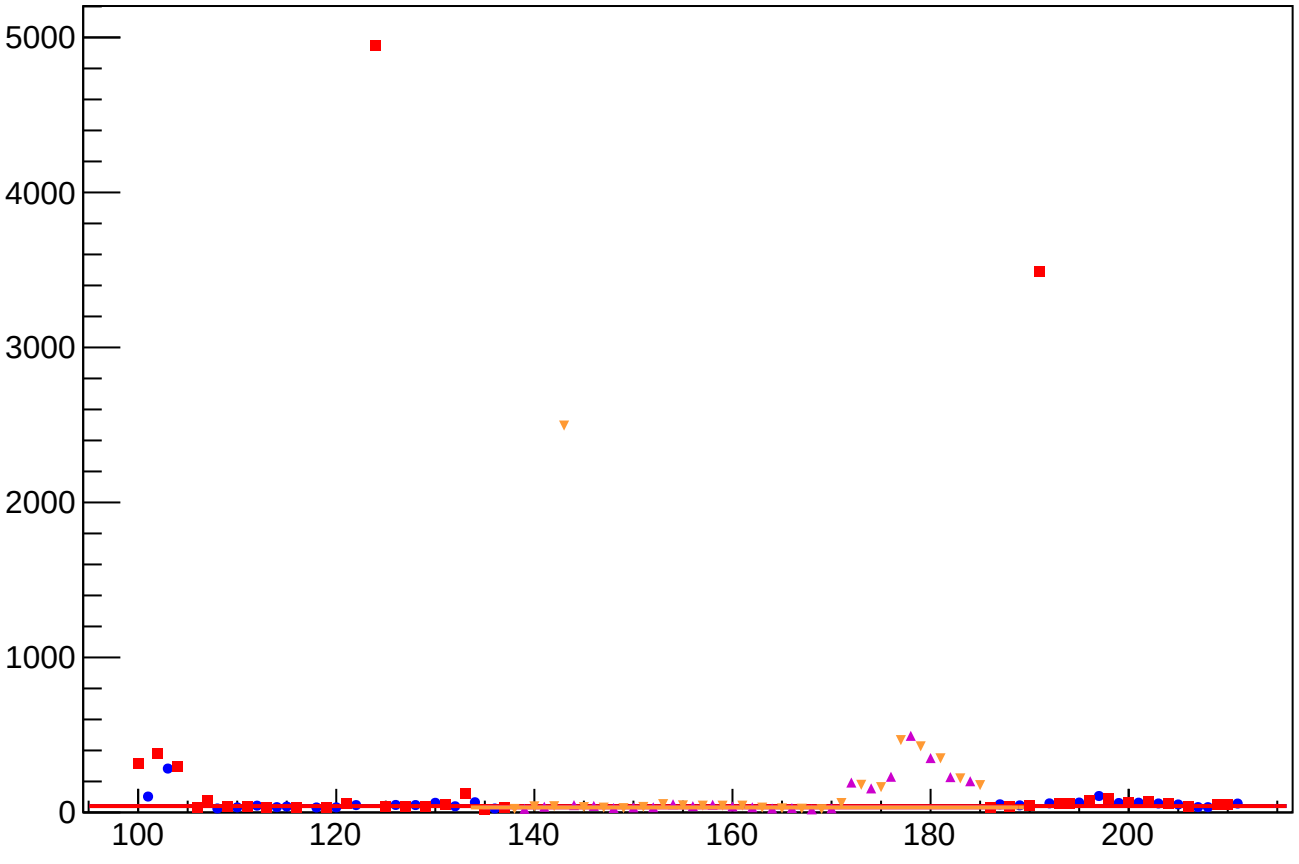
Right Out: 0.014+/-0.011 χ^2/NDF: 26.8/32

Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

+ sign -0.015+/-0.007 χ^2/NDF: 49.4/52

All: -0.008+/-0.005 χ^2/NDF: 94.1/108

- sign -0.001+/-0.007 χ^2/NDF: 42.7/55



Right In: 41.542+/-0.008 χ^2/NDF: 4250390.8/27

Left Out: 32.551+/-0.007 χ^2/NDF:10872015.8/24

Right Out: 41.097+/-0.008 χ^2/NDF: 5512968.5/32

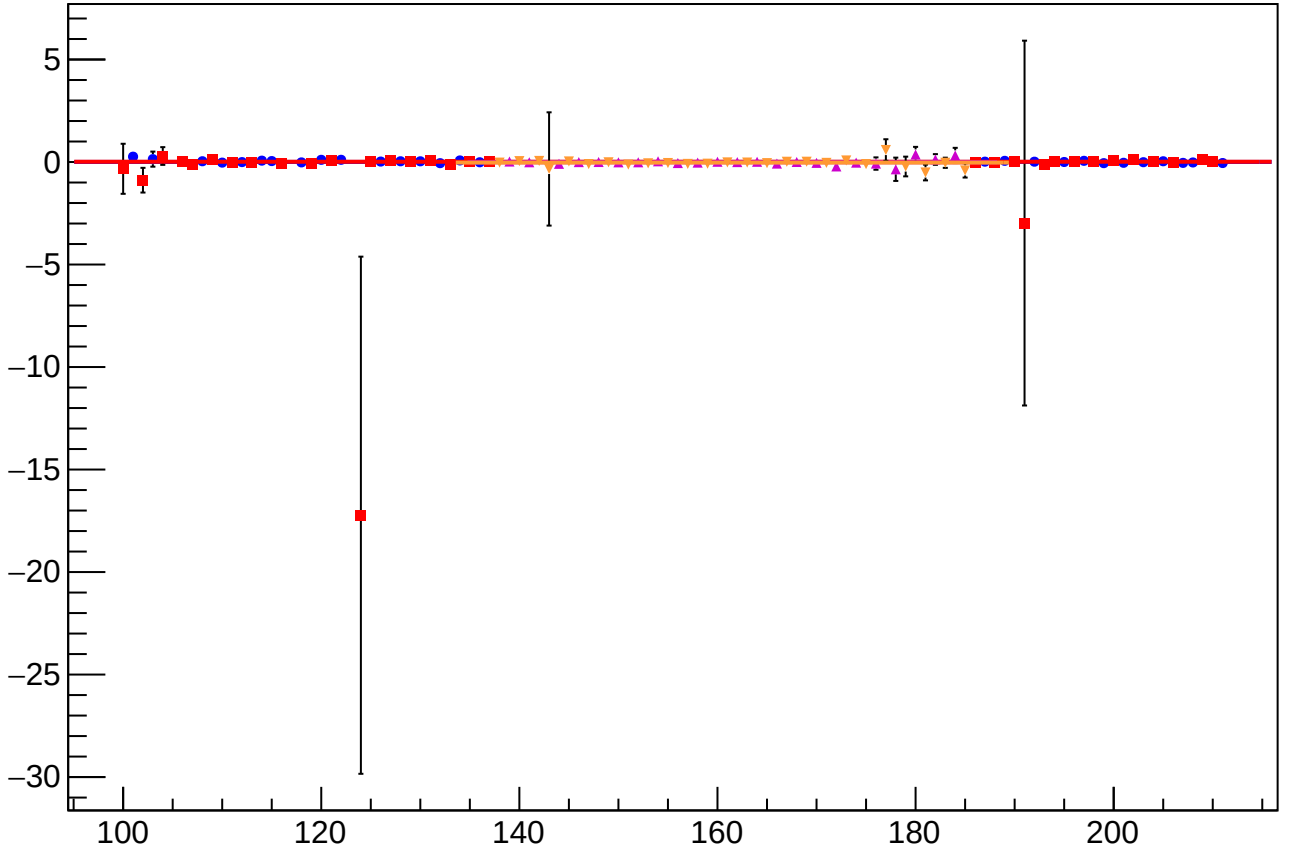
Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

+ sign 36.136+/-0.005 χ^2/NDF: 15834446.1/52

All: 36.165+/-0.004 χ^2/NDF: 30951692.8/108

- sign 36.193+/-0.005 χ^2/NDF: 15117187.4/55

asym_atl_avg_atr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.004+/-0.012 χ^2/NDF: 16.9/27

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

Right Out: 0.014+/-0.011 χ^2/NDF: 26.8/32

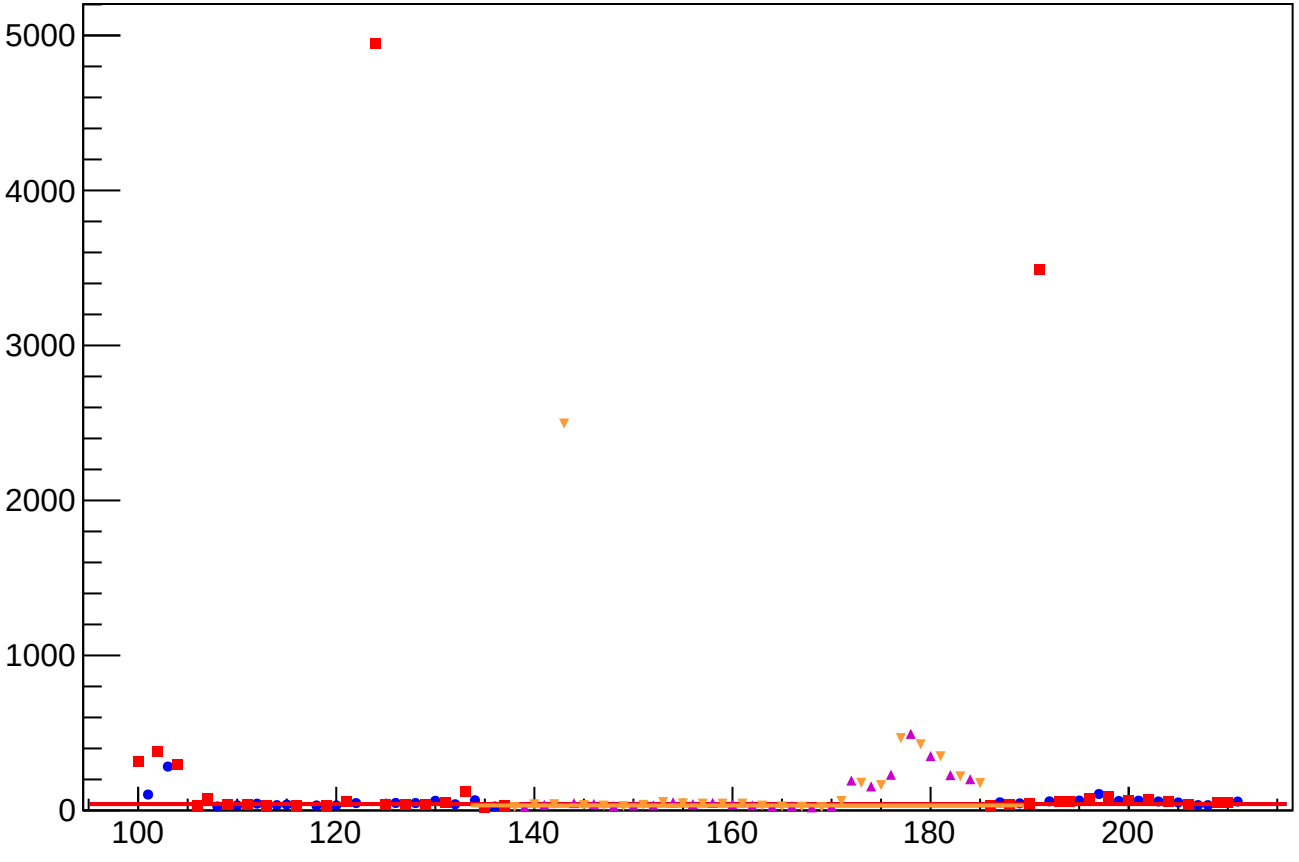
Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

+ sign -0.015+/-0.007 χ^2/NDF: 49.4/52

All: -0.008+/-0.005 χ^2/NDF: 94.1/108

- sign -0.001+/-0.007 χ^2/NDF: 42.7/55

asym_atl_avg_atr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 41.542+/-0.008 χ^2/NDF: 4250390.8/27

Left Out: 32.551+/-0.007 χ^2/NDF:10872015.8/24

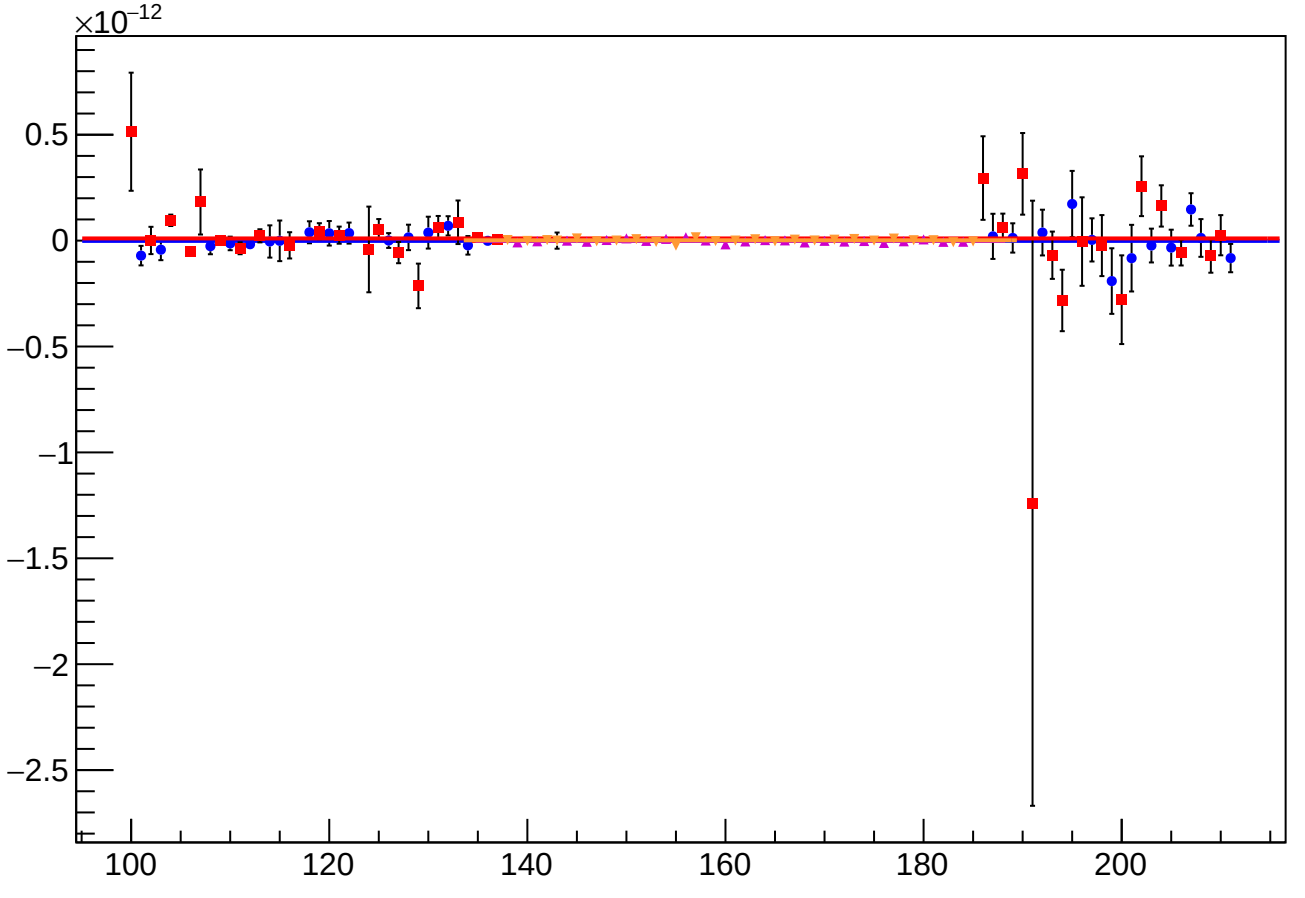
Right Out: 41.097+/-0.008 χ^2/NDF: 5512968.5/32

Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

+ sign 36.136+/-0.005 χ^2/NDF: 15834446.1/52

All: 36.165+/-0.004 χ^2/NDF: 30951692.8/108

- sign 36.193+/-0.005 χ^2/NDF: 15117187.4/55



Right In: -0.000+/-0.000 χ^2/NDF: 17.3/27

Left Out: 0.000+/-0.000 χ^2/NDF:18.1/24

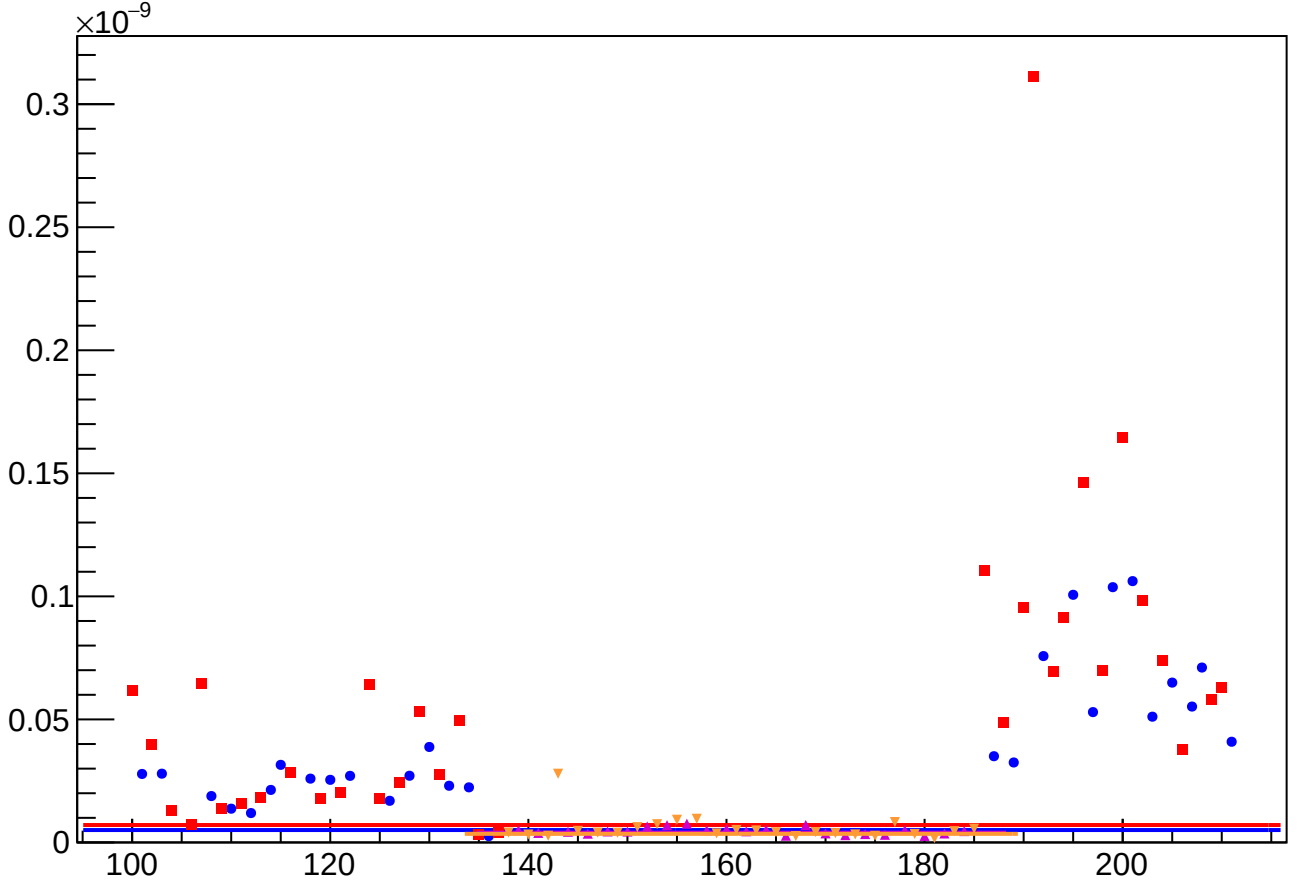
Right Out: 0.000+/-0.000 χ^2/NDF: 60.3/32

Left In: -0.000+/-0.000 χ^2/NDF:28.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 36.0/52

All: 0.000+/-0.000 χ^2/NDF: 133.3/108

- sign -0.000+/-0.000 χ^2/NDF: 96.2/55



Right In: 0.000+/-0.000 χ^2/NDF: 13558924.1/27

Left Out: 0.000+/-0.000 χ^2/NDF:4688121.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 14430721.4/32

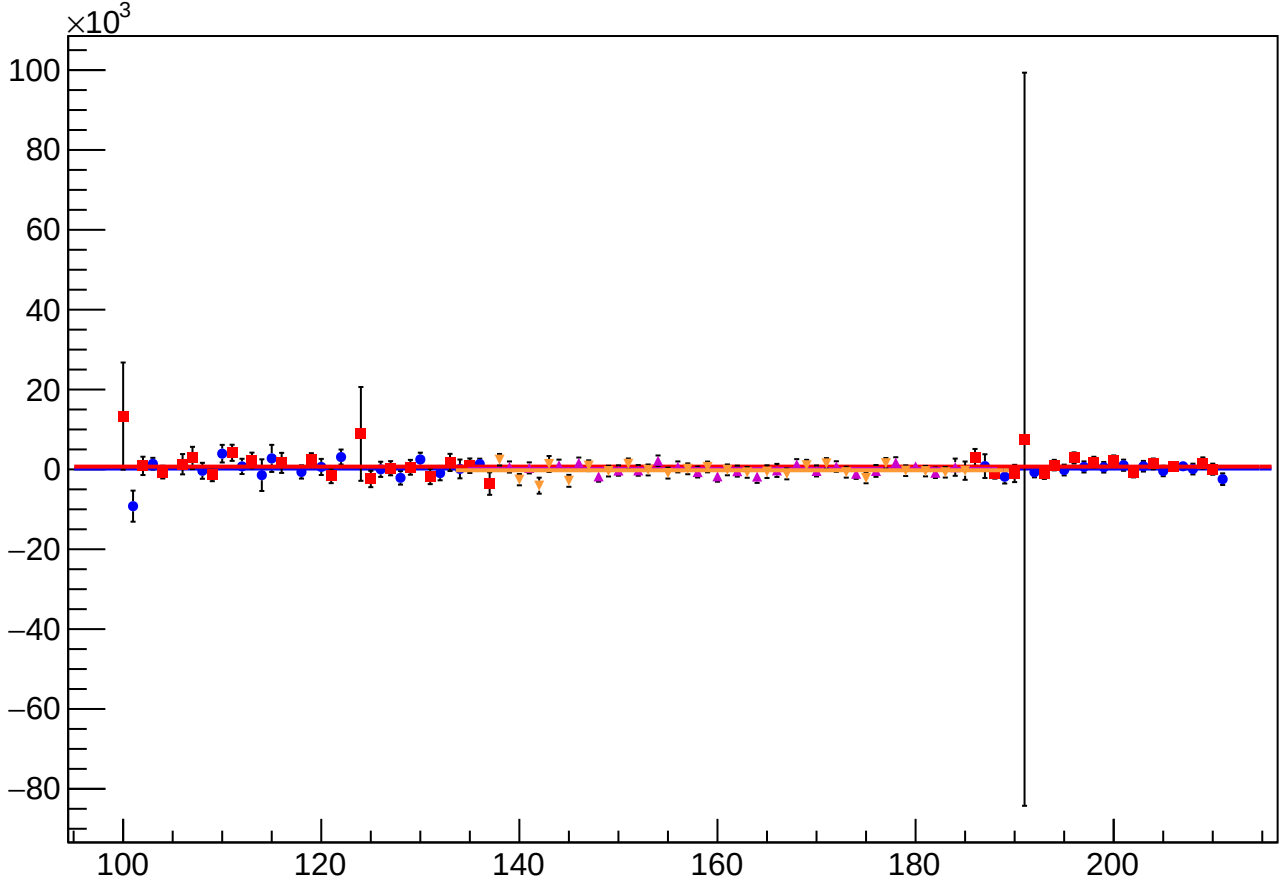
Left In: 0.000+/-0.000 χ^2/NDF:2073078.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 18625782.8/52

All: 0.000+/-0.000 χ^2/NDF: 36465183.0/108

- sign 0.000+/-0.000 χ^2/NDF: 17554122.1/55

reg_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 216.543+/-311.550 χ^2/NDF: 24.2/27

Left Out: -220.721+/-283.055 χ^2/NDF:23.9/24

Right Out: 694.102+/-303.603 χ^2/NDF: 28.0/32

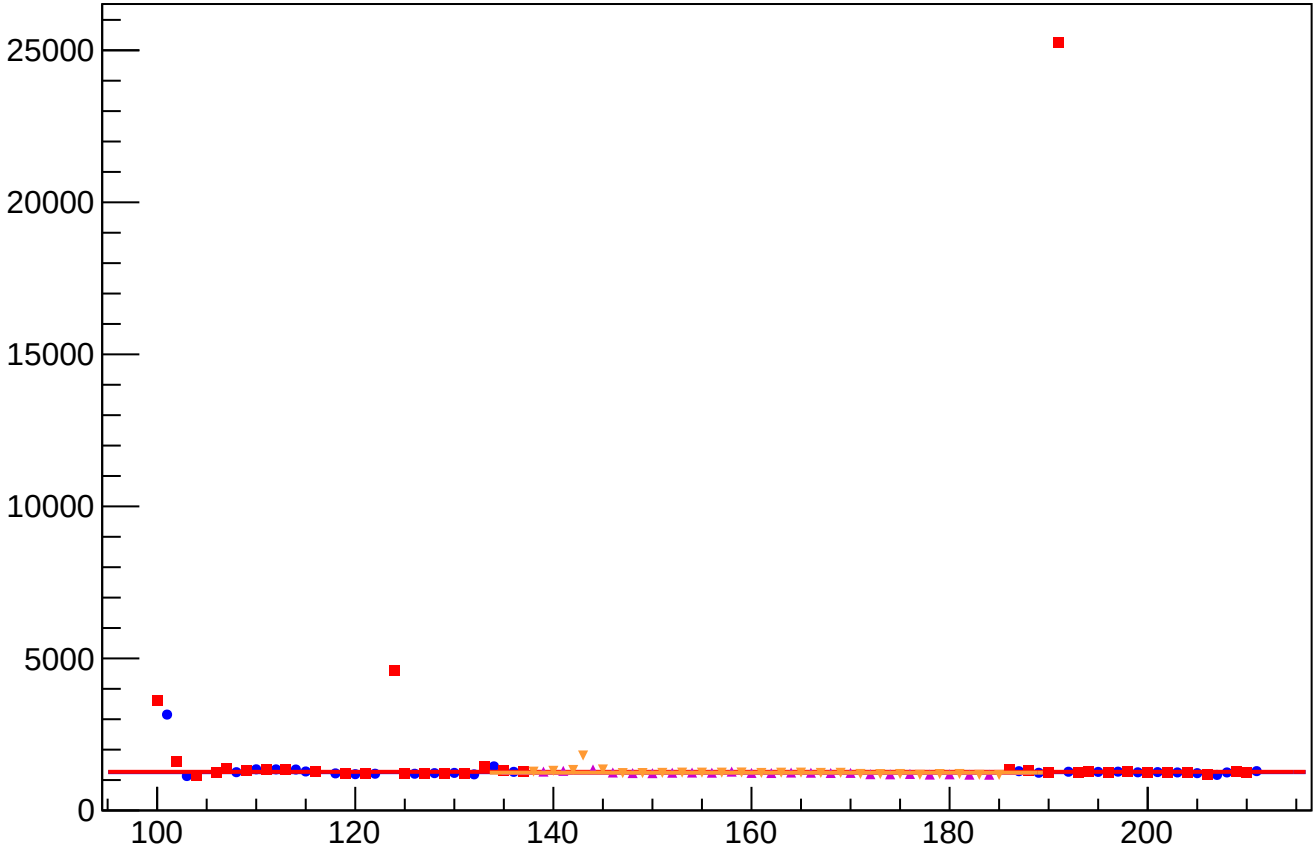
Left In: 92.402+/-288.217 χ^2/NDF:14.7/22

+ sign -22.996+/-209.501 χ^2/NDF: 49.2/52

All: 177.765+/-147.972 χ^2/NDF: 95.8/108

- sign 377.620+/-209.028 χ^2/NDF: 44.7/55

reg_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1259.630+/-0.220 χ^2/NDF: 535029.5/27

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

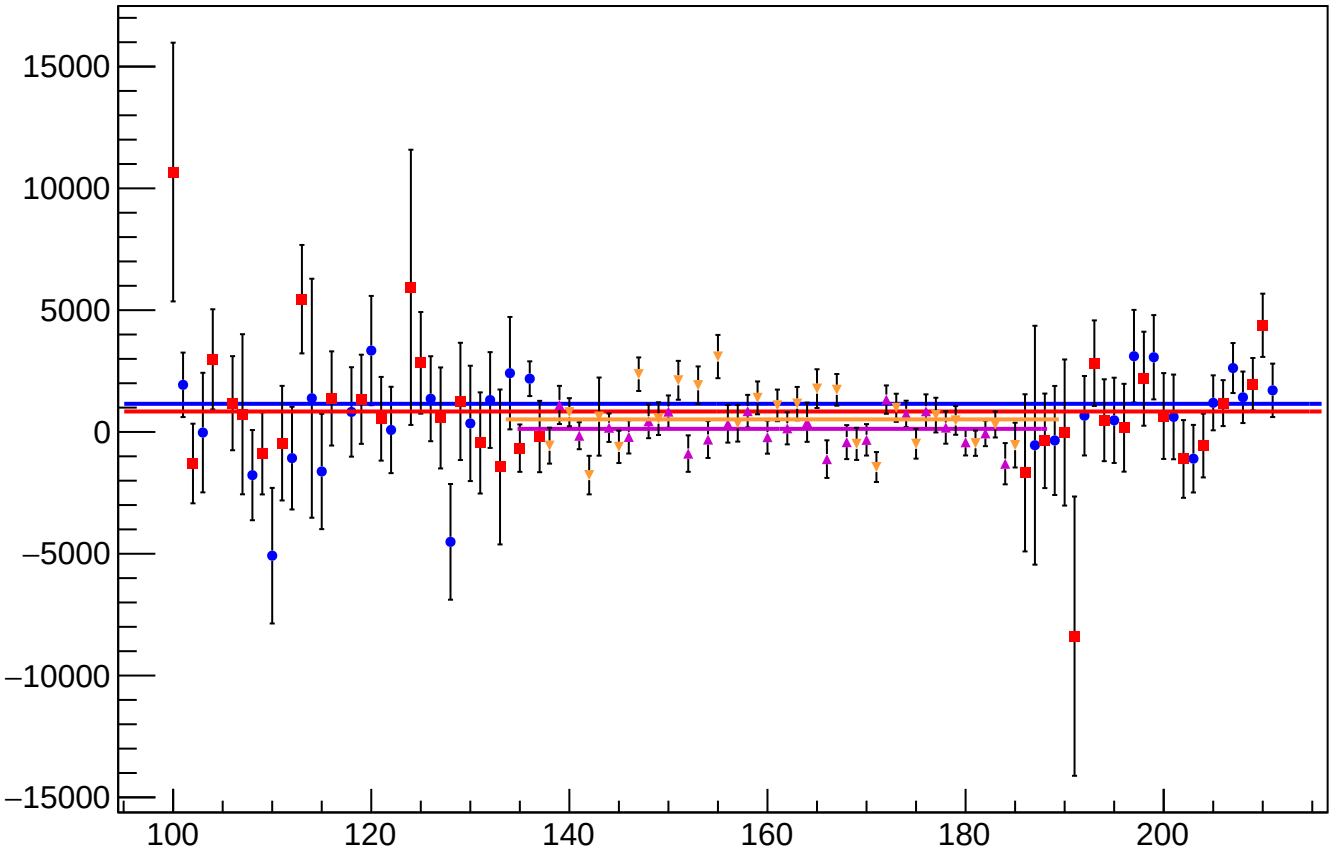
Right Out: 1270.260+/-0.215 χ^2/NDF: 486678.6/32

Left In: 1233.752+/-0.204 χ^2/NDF:39281.8/22

+ sign 1250.424+/-0.148 χ^2/NDF: 741516.5/52

All: 1250.742+/-0.105 χ^2/NDF: 1282697.0/10

- sign 1251.058+/-0.148 χ^2/NDF: 541171.4/55



Right In: 1155.637+/-296.418 χ^2/NDF: 28.4/27

Left Out: 516.792+/-135.746 χ^2/NDF:67.0/24

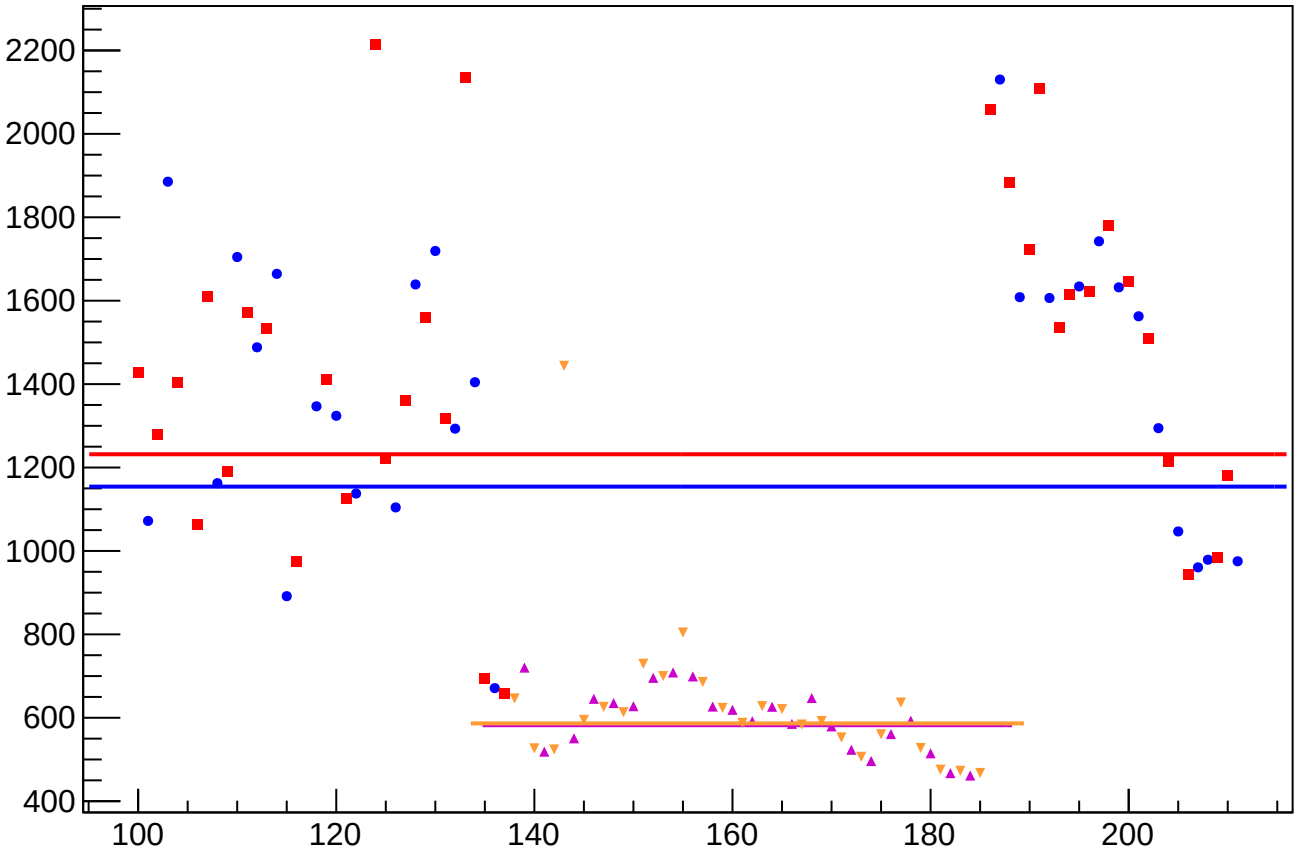
Right Out: 840.628+/-304.190 χ^2/NDF: 34.5/32

Left In: 126.569+/-137.266 χ^2/NDF:21.6/22

+ sign 627.545+/-123.420 χ^2/NDF: 99.2/52

All: 440.056+/-87.865 χ^2/NDF: 164.6/108

- sign 247.373+/-125.117 χ^2/NDF: 60.7/55



Right In: 1154.239+/-0.210 χ^2/NDF: 2682578.8/27

Left Out: 586.557+/-0.096 χ^2/NDF:1202915.7/24

Right Out: 1231.803+/-0.215 χ^2/NDF: 2734025.8/32

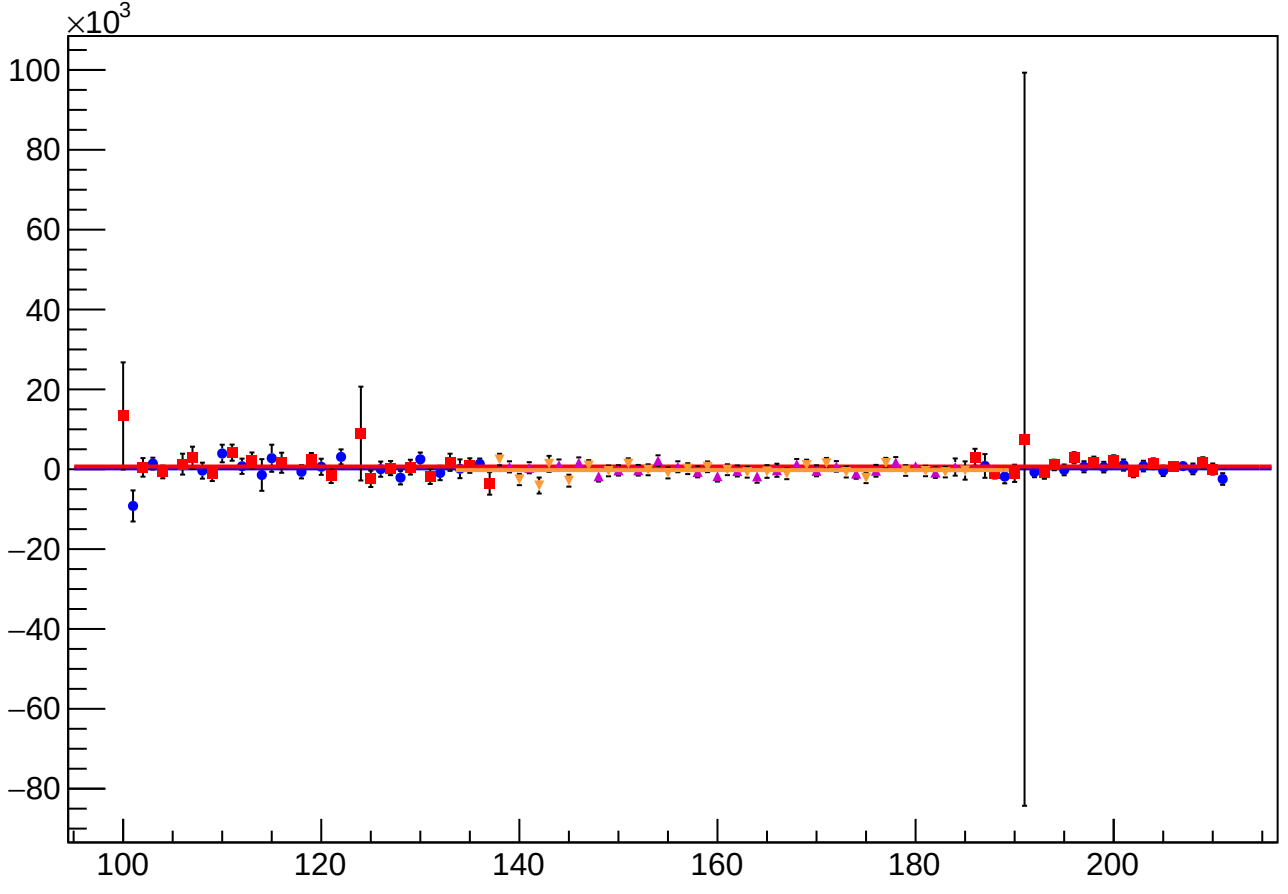
Left In: 582.190+/-0.097 χ^2/NDF:559261.3/22

+ sign 684.973+/-0.087 χ^2/NDF: 9949294.0/52

All: 688.483+/-0.062 χ^2/NDF: 20823911.8/10

- sign 692.091+/-0.088 χ^2/NDF: 10871337.0/55

cor_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 216.759+/-311.550 χ^2/NDF: 24.2/27

Left Out: -220.755+/-283.055 χ^2/NDF:23.9/24

Right Out: 686.170+/-303.809 χ^2/NDF: 28.0/32

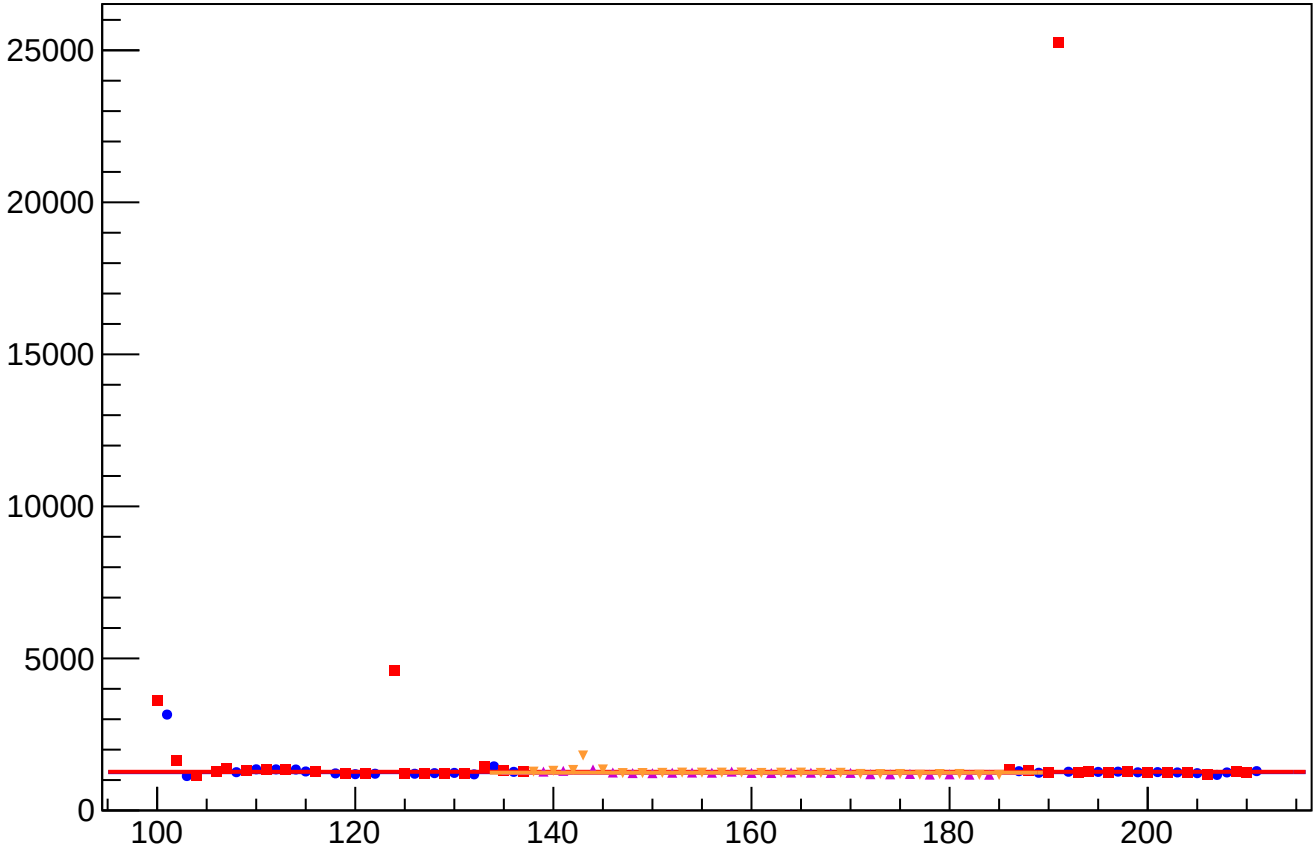
Left In: 92.472+/-288.217 χ^2/NDF:14.7/22

+ sign -22.917+/-209.501 χ^2/NDF: 49.2/52

All: 175.774+/-147.996 χ^2/NDF: 95.6/108

- sign 373.696+/-209.095 χ^2/NDF: 44.7/55

cor_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1259.630+/-0.220 χ^2/NDF: 535030.9/27

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

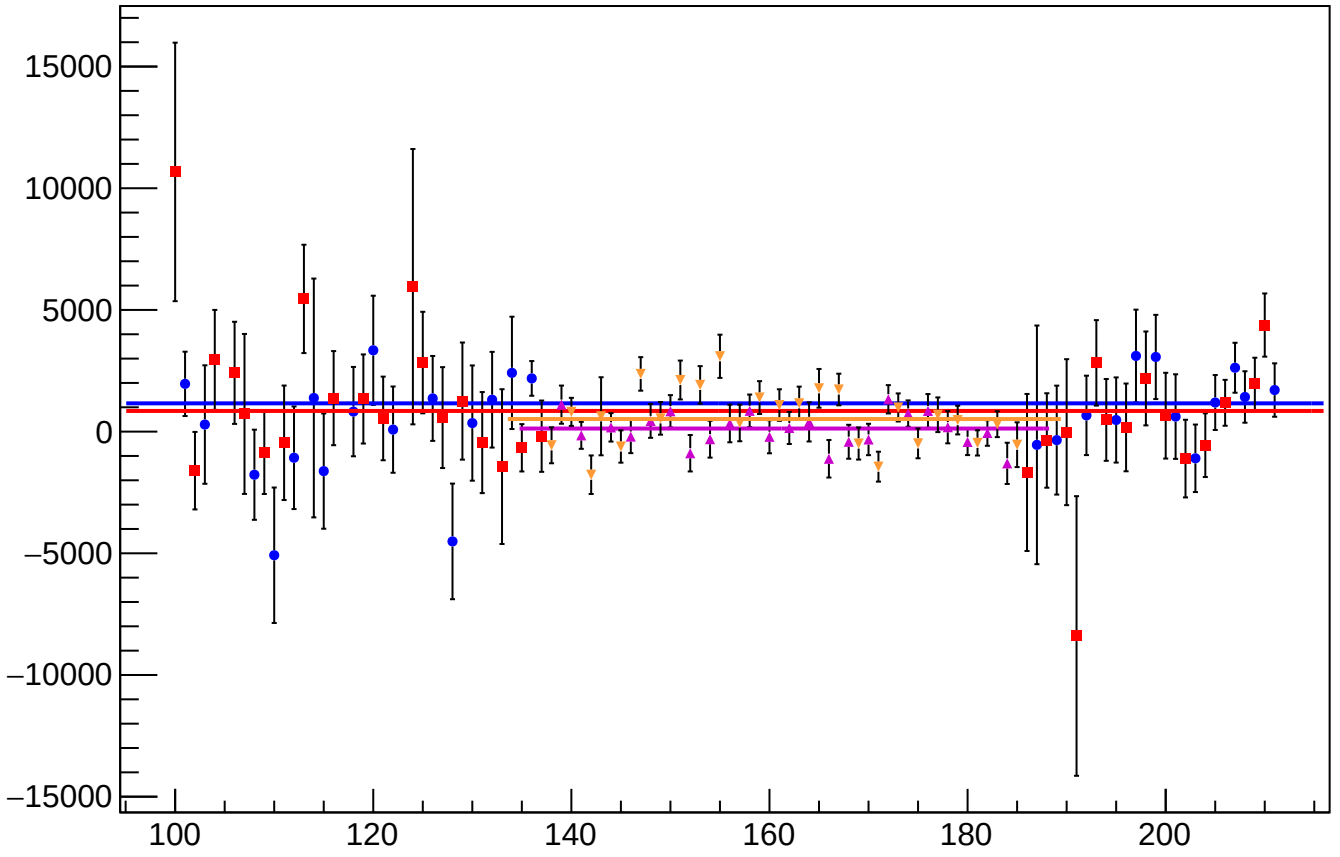
Right Out: 1271.156+/-0.215 χ^2/NDF: 493837.0/32

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

+ sign 1250.424+/-0.148 χ^2/NDF: 741517.8/52

All: 1250.948+/-0.105 χ^2/NDF: 1290616.5/10

- sign 1251.470+/-0.148 χ^2/NDF: 549073.8/55



Right In: 1161.604+/-296.358 χ^2/NDF: 28.3/27

Left Out: 516.811+/-135.747 χ^2/NDF:67.0/24

Right Out: 849.482+/-304.473 χ^2/NDF: 35.7/32

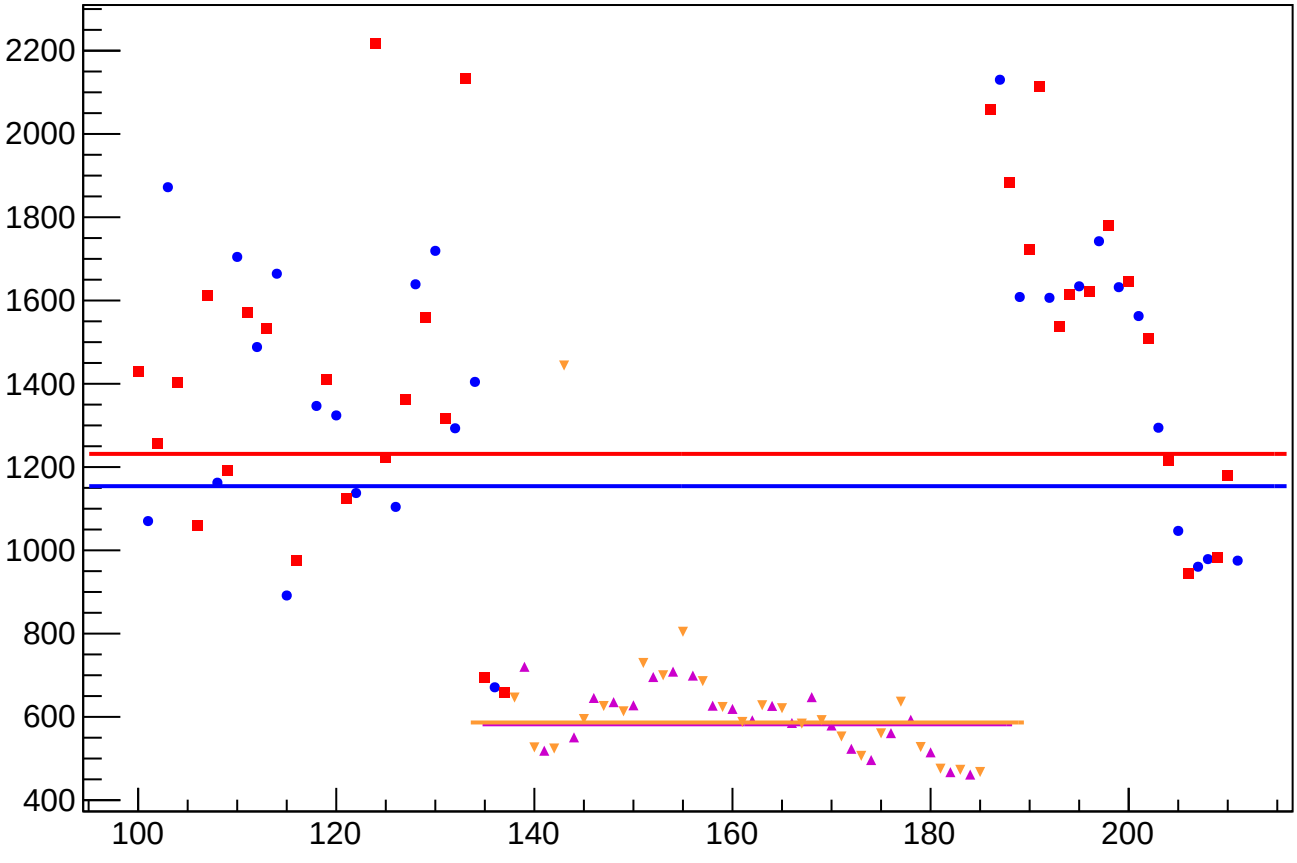
Left In: 126.549+/-137.266 χ^2/NDF:21.6/22

+ sign 628.634+/-123.416 χ^2/NDF: 99.2/52

All: 441.280+/-87.870 χ^2/NDF: 165.8/108

- sign 248.665+/-125.137 χ^2/NDF: 61.9/55

asym_atl_dd_atr_dd_dd_cor_correction_rms vs Slug



Right In: 1154.116+/-0.210 χ^2/NDF: 2679443.6/27

Left Out: 586.562+/-0.096 χ^2/NDF:1202822.0/24

Right Out: 1231.638+/-0.215 χ^2/NDF: 2731360.8/32

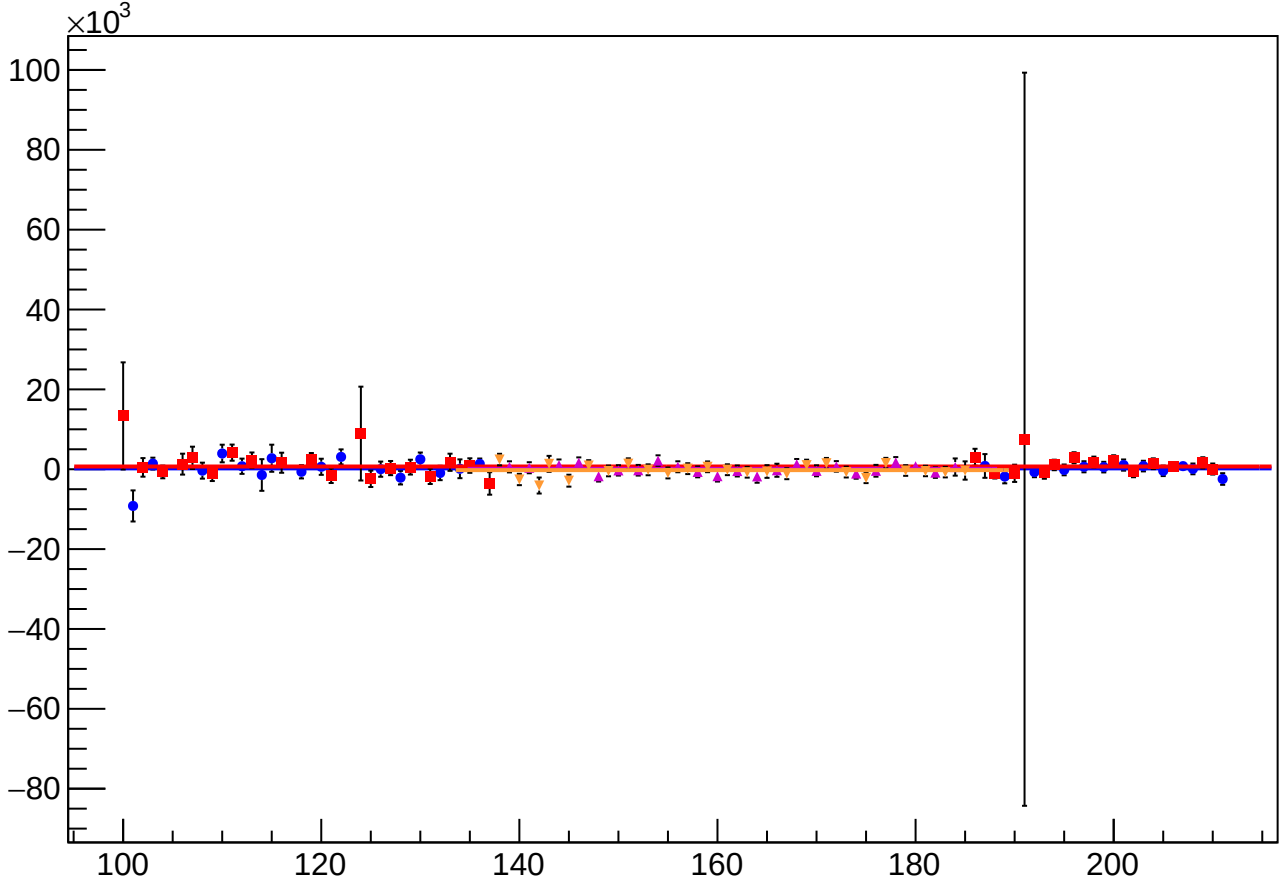
Left In: 582.189+/-0.097 χ^2/NDF:559258.0/22

+ sign 684.989+/-0.087 χ^2/NDF: 9945350.2/52

All: 688.393+/-0.062 χ^2/NDF: 20801591.5/10

- sign 691.891+/-0.088 χ^2/NDF: 10853157.3/55

eigen_cor_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 216.759+/-311.550 χ^2/NDF: 24.2/27

Left Out: -220.755+/-283.055 χ^2/NDF:23.9/24

Right Out: 686.170+/-303.809 χ^2/NDF: 28.0/32

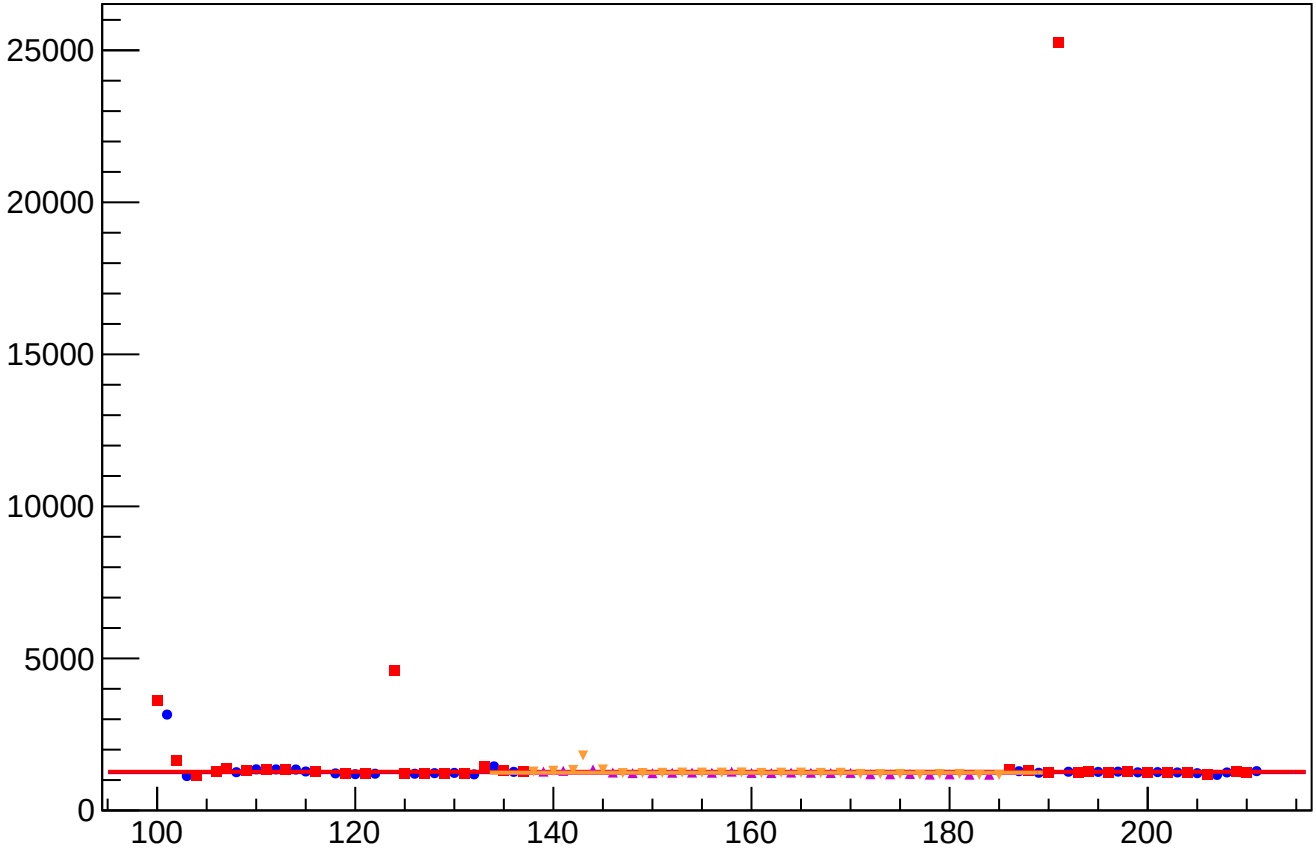
Left In: 92.472+/-288.217 χ^2/NDF:14.7/22

+ sign -22.917+/-209.501 χ^2/NDF: 49.2/52

All: 175.774+/-147.996 χ^2/NDF: 95.6/108

- sign 373.696+/-209.095 χ^2/NDF: 44.7/55

eigen_cor_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1259.630+/-0.220 χ^2/NDF: 535030.9/27

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

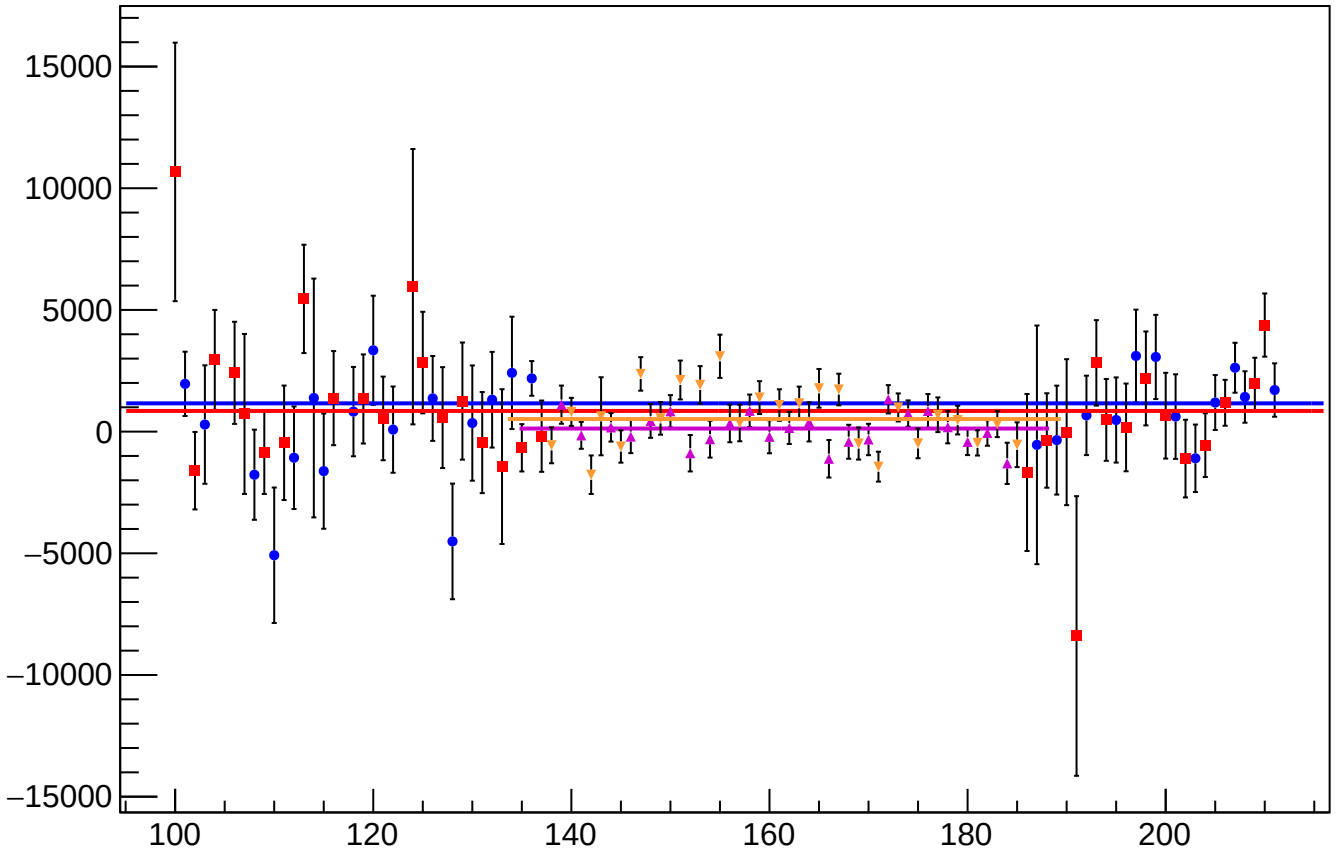
Right Out: 1271.156+/-0.215 χ^2/NDF: 493837.0/32

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

+ sign 1250.424+/-0.148 χ^2/NDF: 741517.8/52

All: 1250.948+/-0.105 χ^2/NDF: 1290616.5/10

- sign 1251.470+/-0.148 χ^2/NDF: 549073.8/55



Right In: 1161.604+/-296.358 χ^2/NDF: 28.3/27

Left Out: 516.811+/-135.747 χ^2/NDF:67.0/24

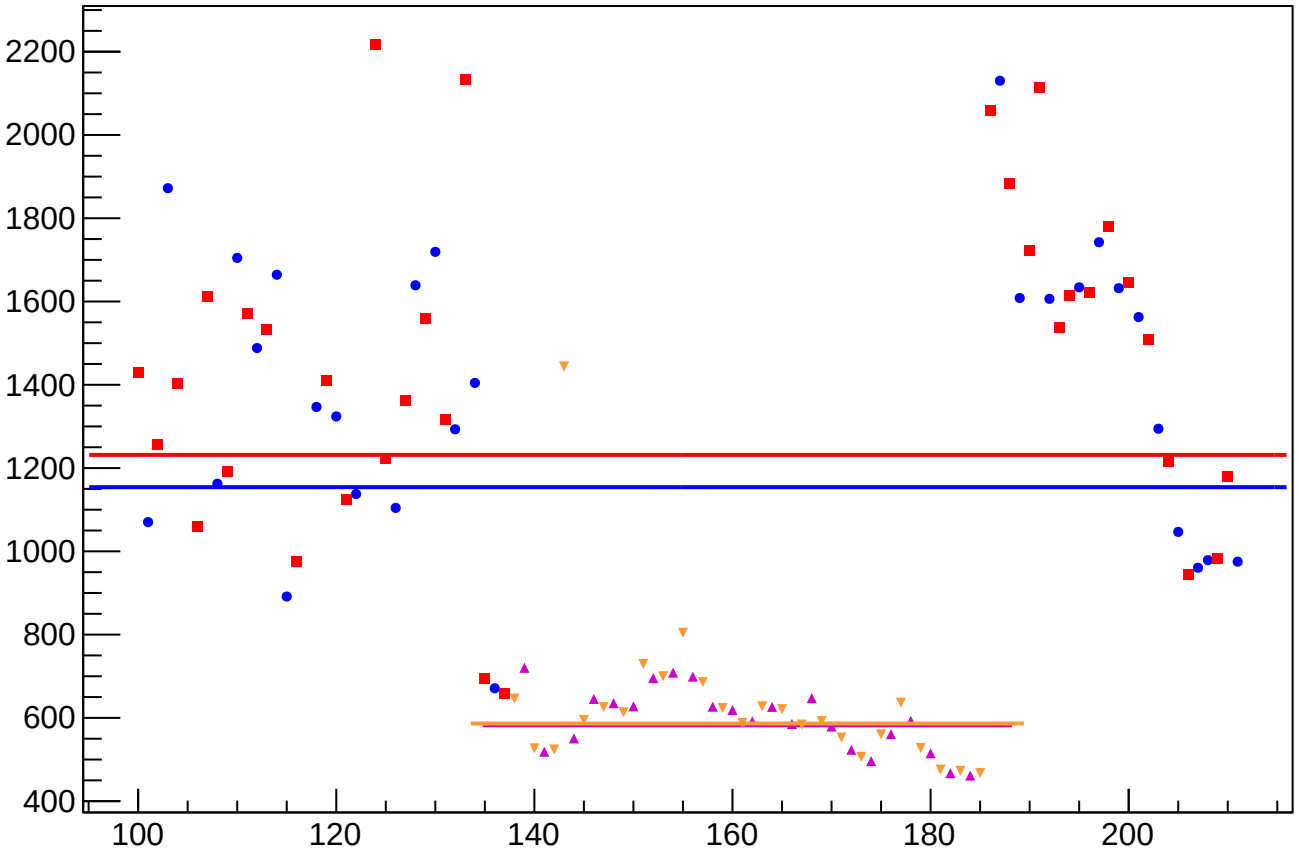
Right Out: 849.482+/-304.473 χ^2/NDF: 35.7/32

Left In: 126.549+/-137.266 χ^2/NDF:21.6/22

+ sign 628.634+/-123.416 χ^2/NDF: 99.2/52

All: 441.280+/-87.870 χ^2/NDF: 165.8/108

- sign 248.665+/-125.137 χ^2/NDF: 61.9/55



Right In: 1154.116+/-0.210 χ^2/NDF: 2679443.6/27

Left Out: 586.562+/-0.096 χ^2/NDF:1202822.0/24

Right Out: 1231.638+/-0.215 χ^2/NDF: 2731360.8/32

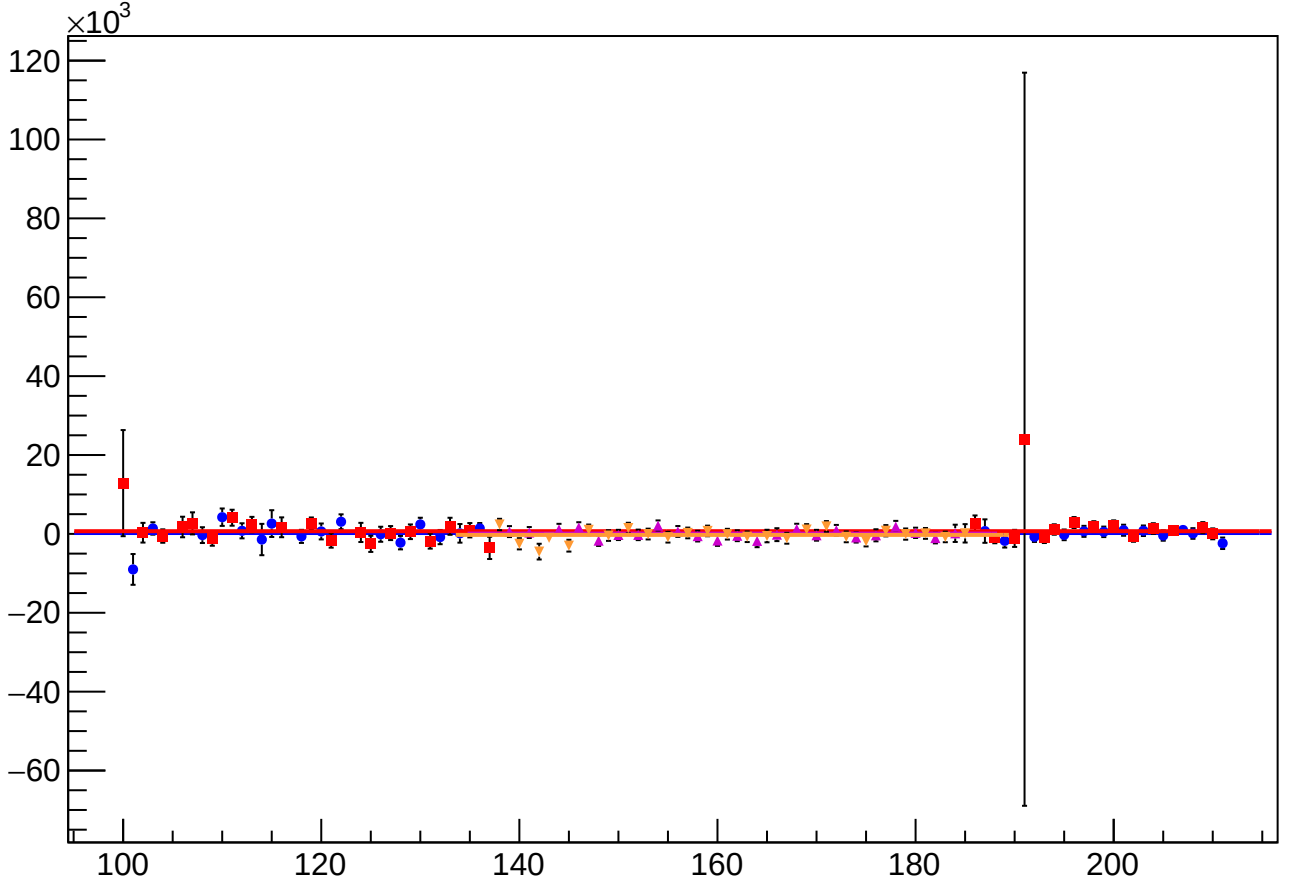
Left In: 582.189+/-0.097 χ^2/NDF:559258.0/22

+ sign 684.989+/-0.087 χ^2/NDF: 9945350.2/52

All: 688.393+/-0.062 χ^2/NDF: 20801591.5/10

- sign 691.891+/-0.088 χ^2/NDF: 10853157.3/55

dit_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 222.479+/-312.596 χ^2/NDF: 24.1/27

Left Out: -250.849+/-279.923 χ^2/NDF:24.0/24

Right Out: 682.822+/-303.062 χ^2/NDF: 27.5/32

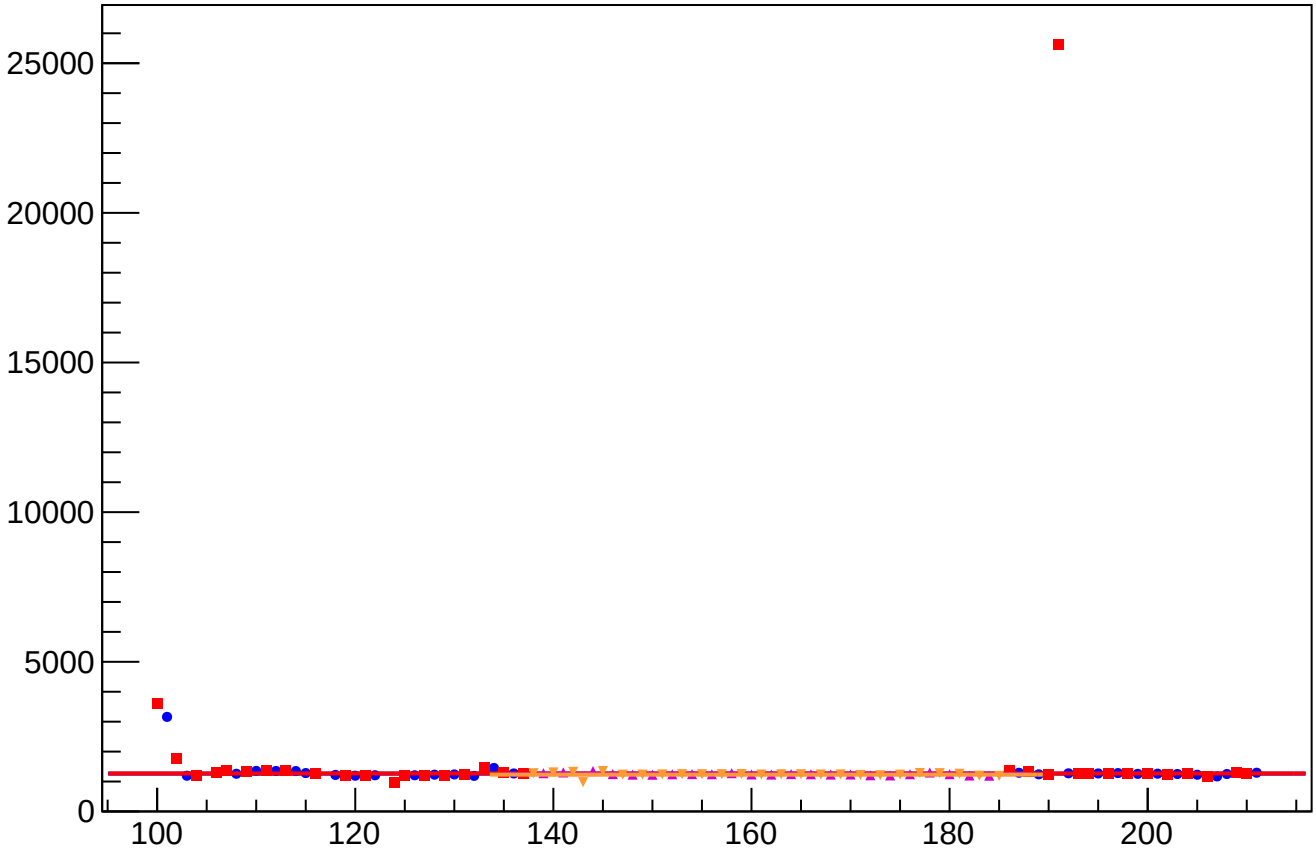
Left In: 74.881+/-291.458 χ^2/NDF:14.0/22

+ sign -40.206+/-208.533 χ^2/NDF: 49.5/52

All: 161.893+/-147.997 χ^2/NDF: 94.9/108

- sign 366.991+/-210.074 χ^2/NDF: 43.6/55

dit_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1264.037+/-0.221 χ^2/NDF: 524853.3/27

Left Out: 1229.986+/-0.198 χ^2/NDF:141607.5/24

Right Out: 1269.647+/-0.214 χ^2/NDF: 385088.2/32

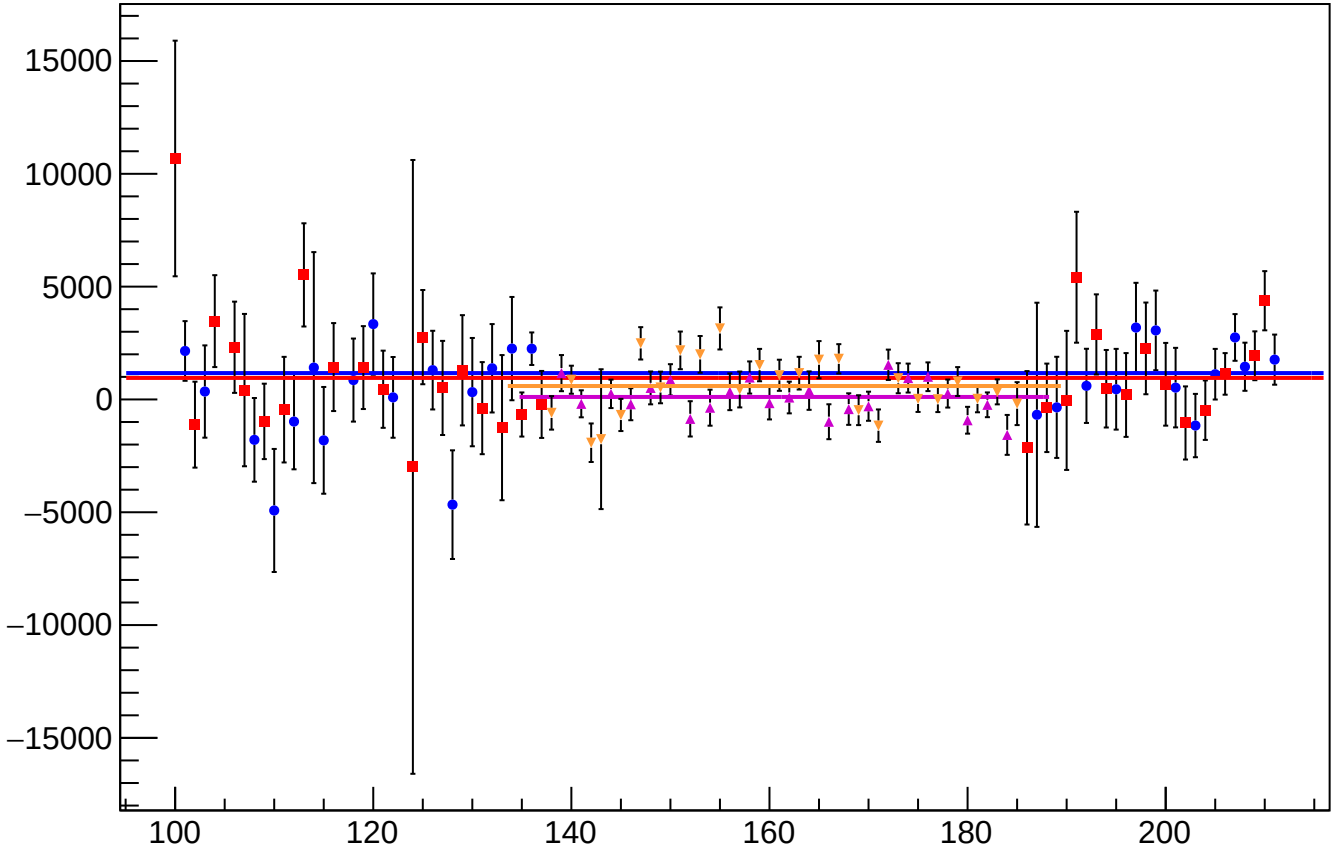
Left In: 1247.785+/-0.206 χ^2/NDF:27340.8/22

+ sign 1245.140+/-0.147 χ^2/NDF: 679630.9/52

All: 1251.666+/-0.105 χ^2/NDF: 1101413.8/10

- sign 1258.290+/-0.149 χ^2/NDF: 417835.7/55

asym_atl_dd_atr_dd_dd_dit_correction_mean vs Slug



Right In: 1168.618+/-297.808 χ^2/NDF: 29.3/27

Left Out: 595.000+/-142.130 χ^2/NDF:57.3/24

Right Out: 954.200+/-306.970 χ^2/NDF: 33.7/32

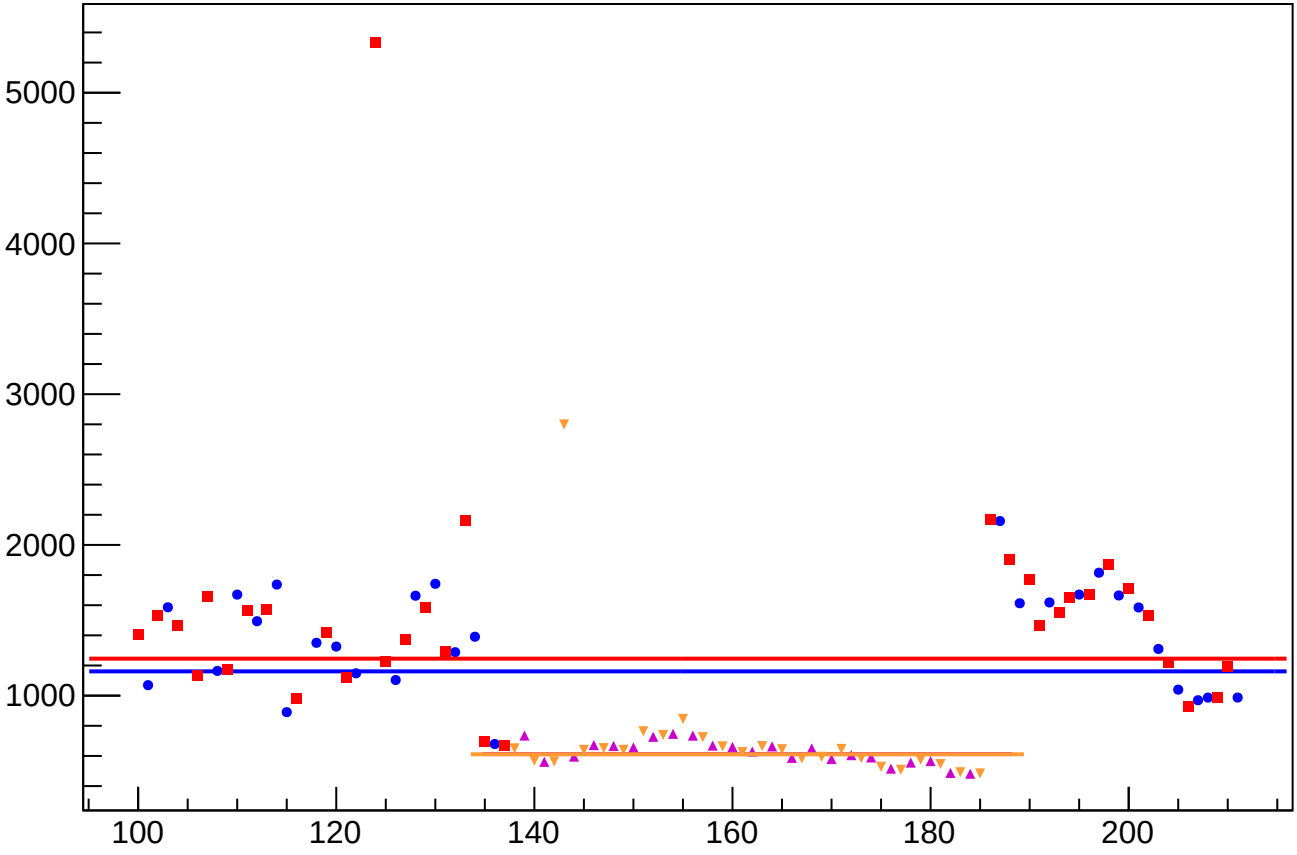
Left In: 110.252+/-144.232 χ^2/NDF:25.7/22

+ sign 701.416+/-128.271 χ^2/NDF: 89.6/52

All: 485.991+/-91.493 χ^2/NDF: 161.0/108

- sign 262.874+/-130.541 χ^2/NDF: 65.6/55

asym_atl_dd_atr_dd_dd_dit_correction_rms vs Slug



Right In: 1161.056+/-0.211 χ^2/NDF: 2618532.2/27

Left Out: 611.087+/-0.101 χ^2/NDF:1619322.3/24

Right Out: 1245.422+/-0.217 χ^2/NDF: 3027563.7/32

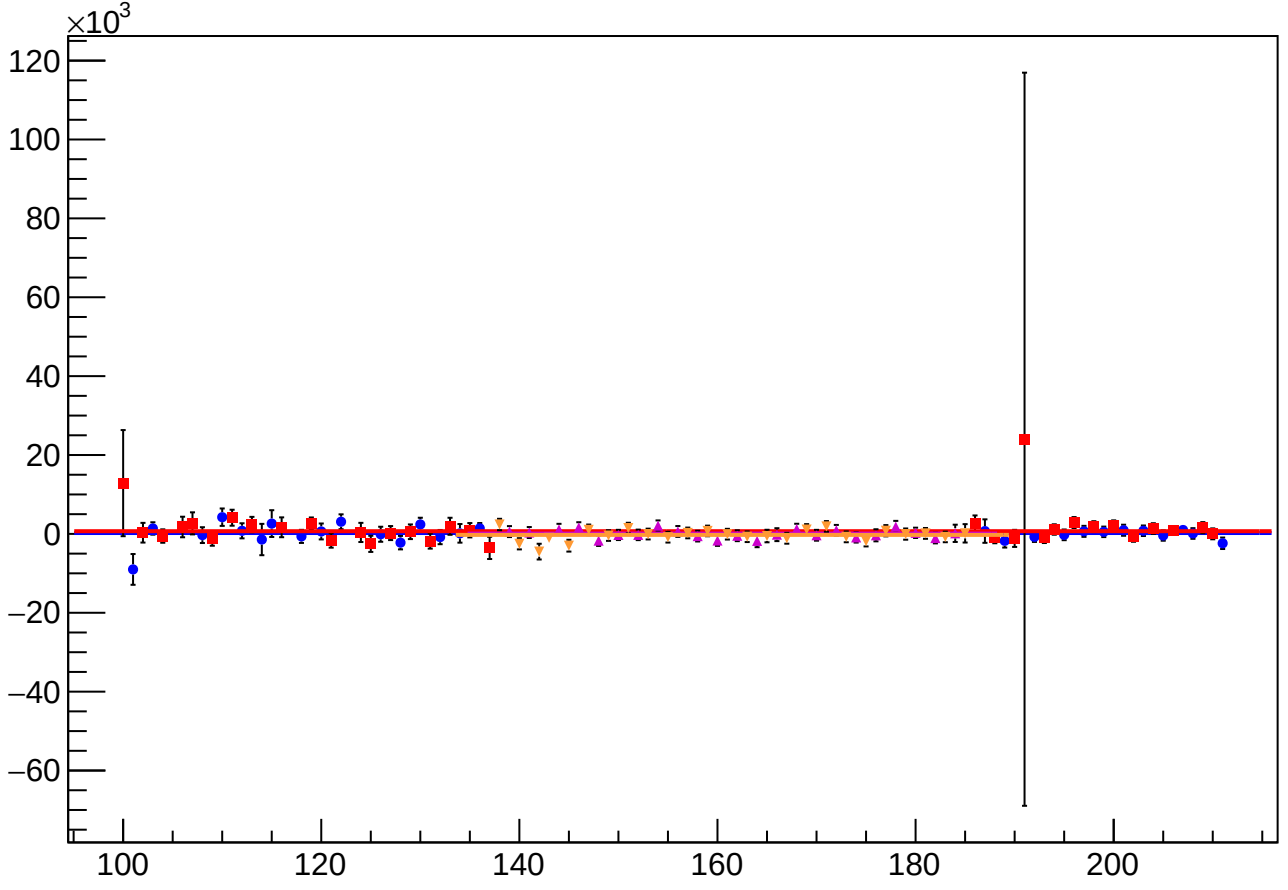
Left In: 612.399+/-0.102 χ^2/NDF:508595.4/22

+ sign 713.115+/-0.091 χ^2/NDF: 9793256.2/52

All: 719.875+/-0.065 χ^2/NDF: 20307701.9/10

- sign 726.876+/-0.092 χ^2/NDF: 10503137.8/55

eigen_dit_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 222.478+/-312.596 χ^2/NDF: 24.1/27

Left Out: -250.851+/-279.923 χ^2/NDF:24.0/24

Right Out: 682.821+/-303.062 χ^2/NDF: 27.5/32

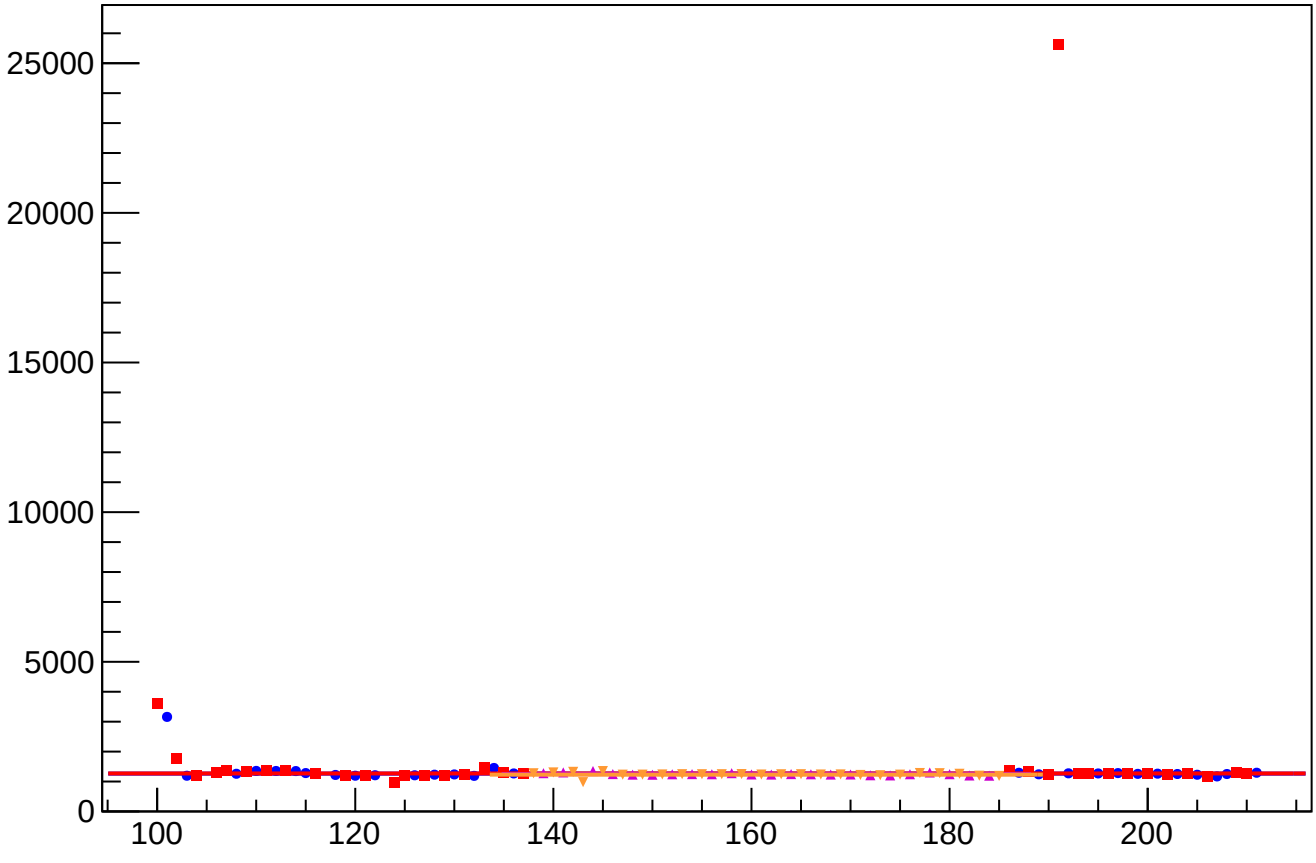
Left In: 74.881+/-291.458 χ^2/NDF:14.0/22

\+ sign -40.208+/-208.533 χ^2/NDF: 49.5/52

All: 161.892+/-147.997 χ^2/NDF: 94.9/108

\- sign 366.990+/-210.074 χ^2/NDF: 43.6/55

eigen_dit_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1264.037+/-0.221 χ^2/NDF: 524853.4/27

Left Out: 1229.986+/-0.198 χ^2/NDF:141606.6/24

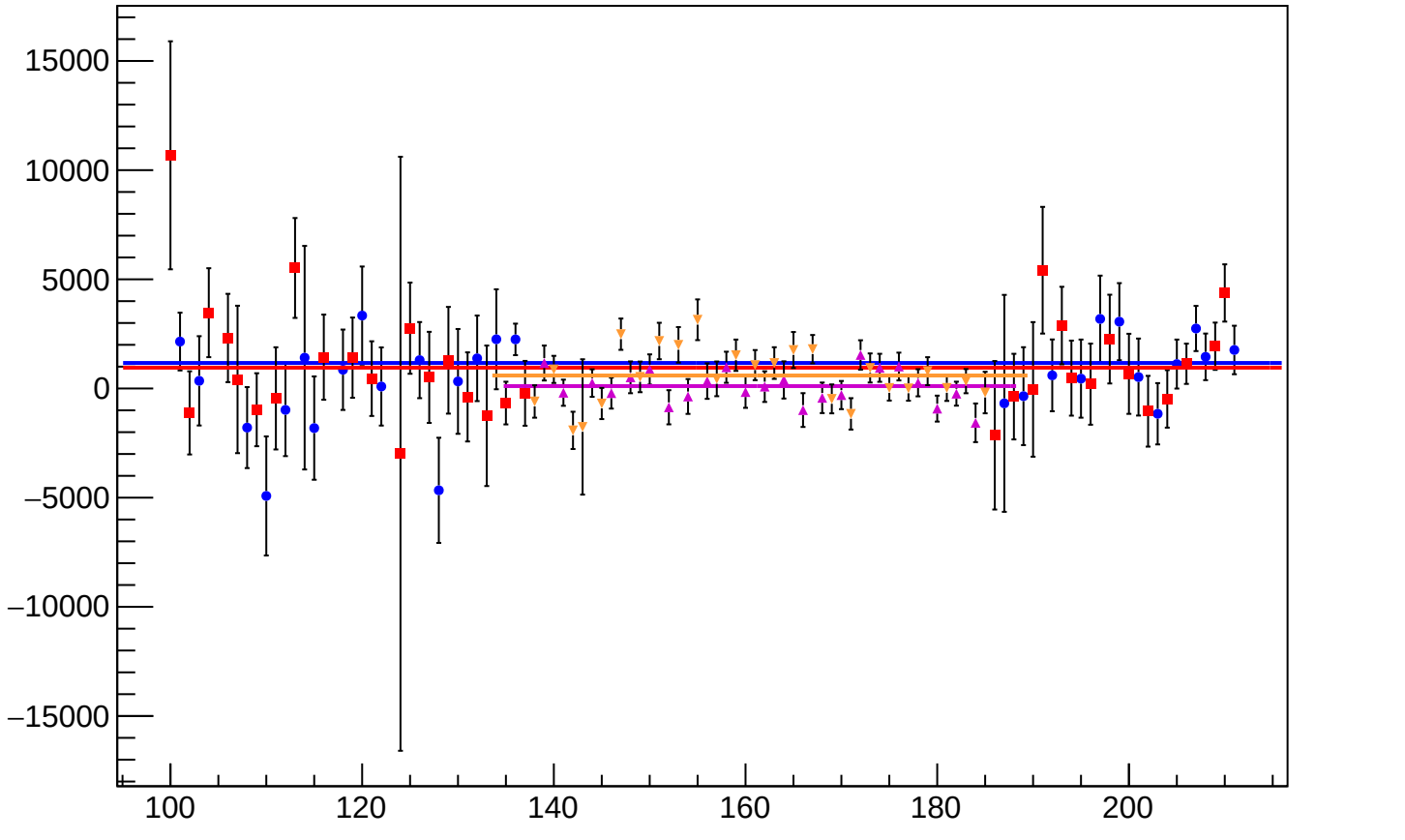
Right Out: 1269.647+/-0.214 χ^2/NDF: 385088.0/32

Left In: 1247.785+/-0.206 χ^2/NDF:27340.7/22

+ sign 1245.139+/-0.147 χ^2/NDF: 679630.0/52

All: 1251.666+/-0.105 χ^2/NDF: 1101412.8/10

- sign 1258.289+/-0.149 χ^2/NDF: 417835.5/55



Right In: 1168.616+/-297.808 χ^2/NDF: 29.3/27

Left Out: 595.000+/-142.130 χ^2/NDF:57.3/24

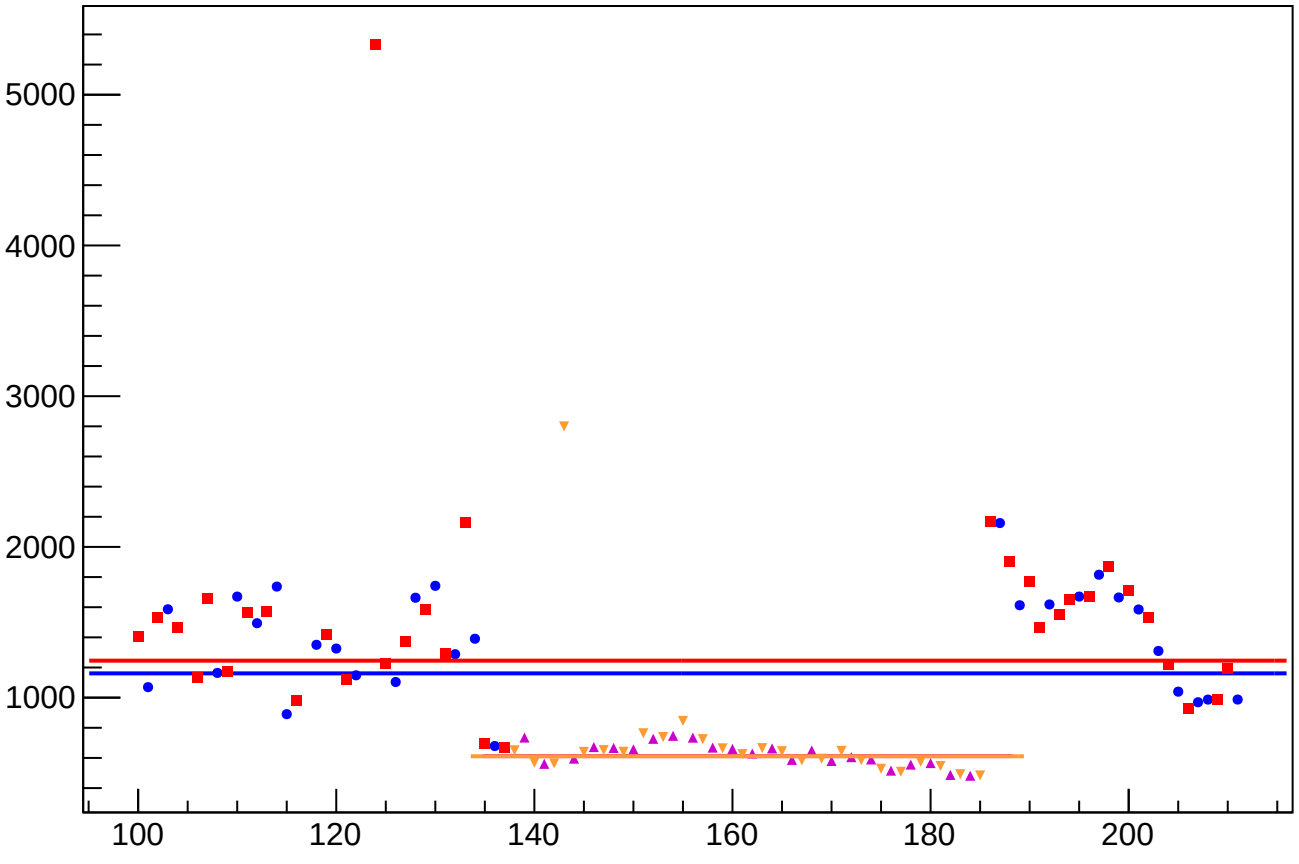
Right Out: 954.204+/-306.970 χ^2/NDF: 33.7/32

Left In: 110.251+/-144.232 χ^2/NDF:25.7/22

+ sign 701.415+/-128.271 χ^2/NDF: 89.6/52

All: 485.990+/-91.493 χ^2/NDF: 161.0/108

- sign 262.873+/-130.541 χ^2/NDF: 65.6/55



Right In: 1161.057+/-0.211 χ^2/NDF: 2618475.3/27

Left Out: 611.086+/-0.101 χ^2/NDF:1619319.5/24

Right Out: 1245.425+/-0.217 χ^2/NDF: 3027508.0/32

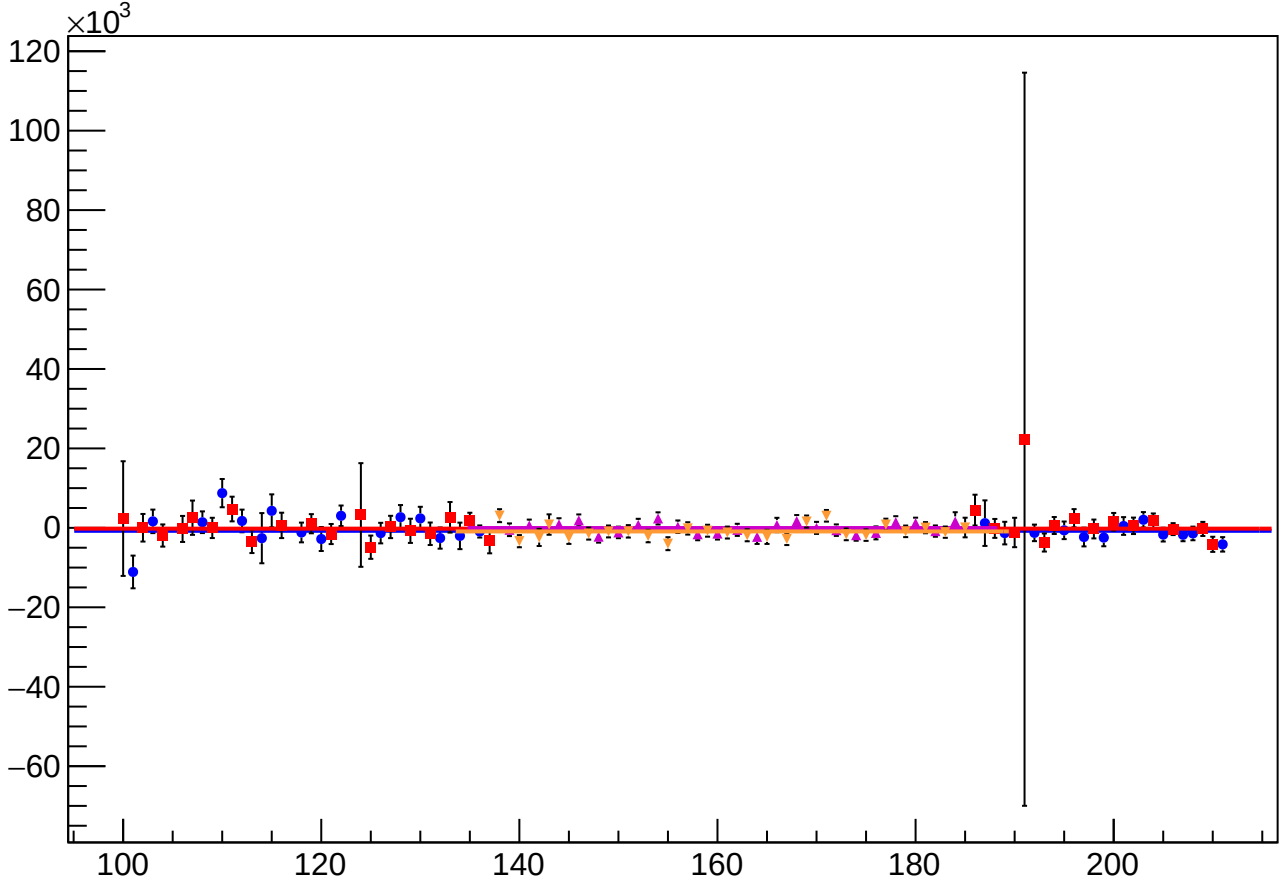
Left In: 612.398+/-0.102 χ^2/NDF:508597.7/22

+ sign 713.115+/-0.091 χ^2/NDF: 9793231.1/52

All: 719.875+/-0.065 χ^2/NDF: 20307688.5/10

- sign 726.876+/-0.092 χ^2/NDF: 10503150.4/55

asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: -741.565+/-454.286 χ^2/NDF: 30.7/27

Left Out: -899.894+/-316.449 χ^2/NDF:29.8/24

Right Out: -198.111+/-452.190 χ^2/NDF: 21.8/32

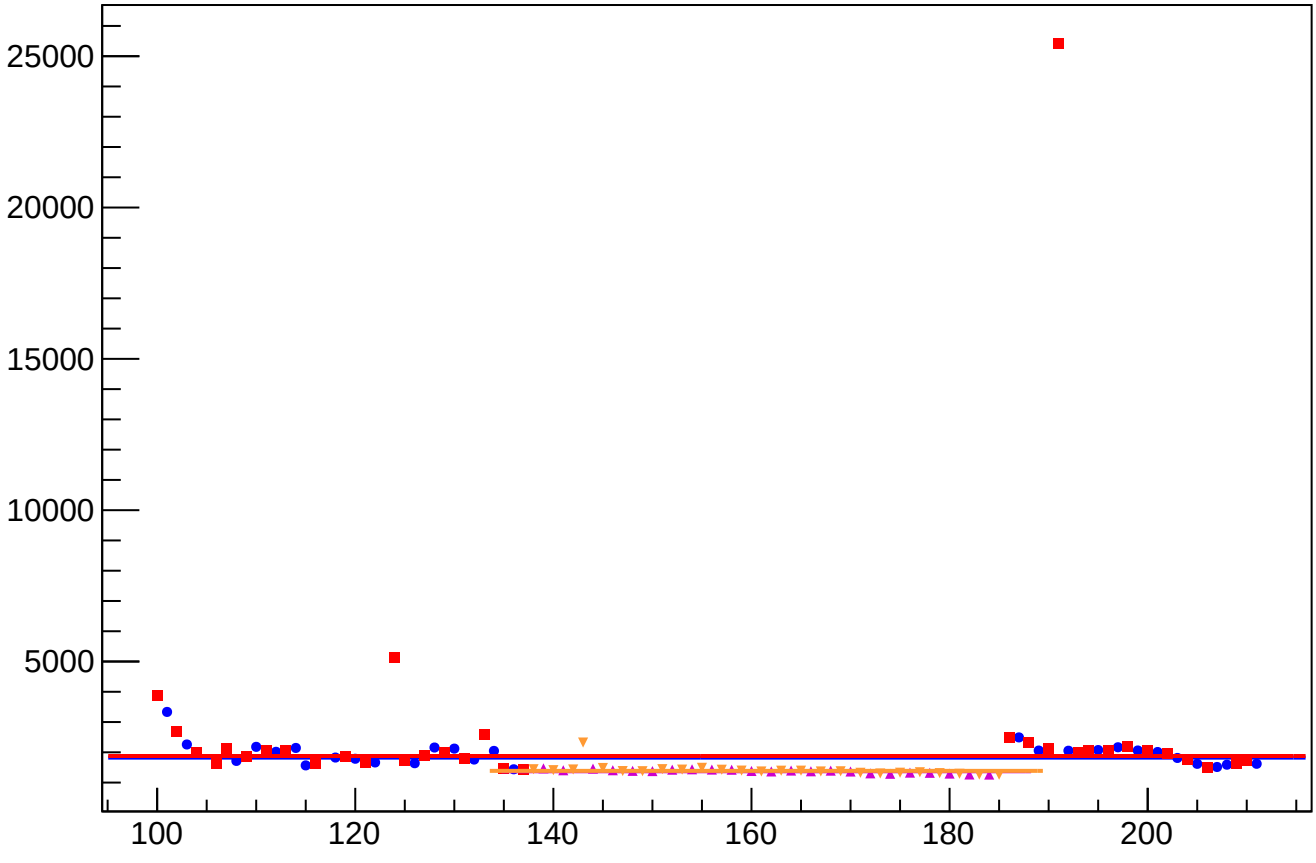
Left In: -48.178+/-320.929 χ^2/NDF:17.9/22

+ sign -848.168+/-259.661 χ^2/NDF: 60.6/52

All: -476.238+/-184.330 χ^2/NDF: 104.5/108

- sign -98.402+/-261.714 χ^2/NDF: 39.8/55

asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1824.636+/-0.321 χ^2/NDF: 889974.7/27

Left Out: 1386.845+/-0.224 χ^2/NDF:339794.5/24

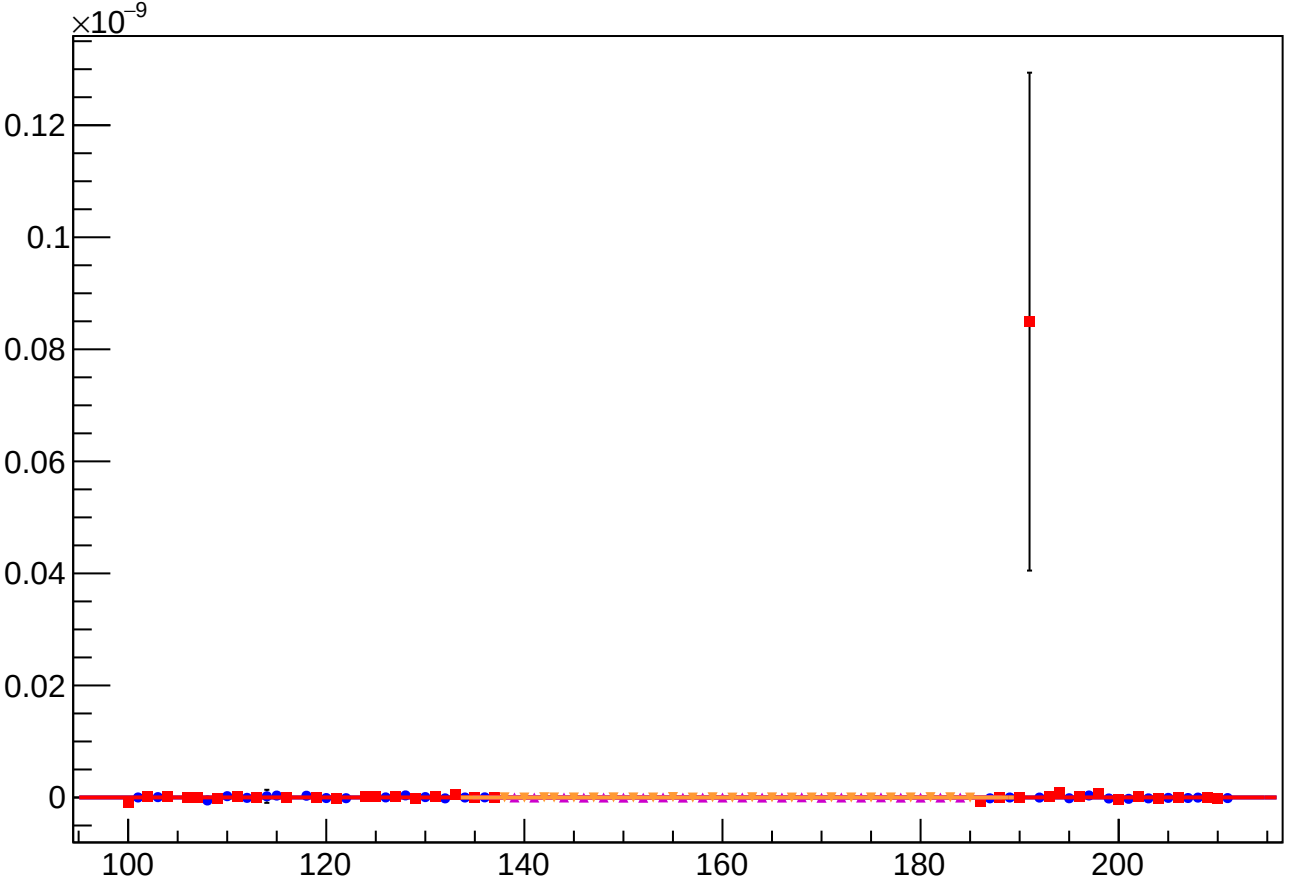
Right Out: 1878.055+/-0.320 χ^2/NDF: 1049827.5/32

Left In: 1373.217+/-0.227 χ^2/NDF:64467.6/22

+ sign 1529.873+/-0.184 χ^2/NDF: 2480352.5/52

All: 1536.051+/-0.130 χ^2/NDF: 5254735.1/10

- sign 1542.326+/-0.185 χ^2/NDF: 2772100.6/55



Right In: 0.000+/-0.000 χ^2/NDF: 24.6/27

Left Out: 0.000+/-0.000 χ^2/NDF:24.8/24

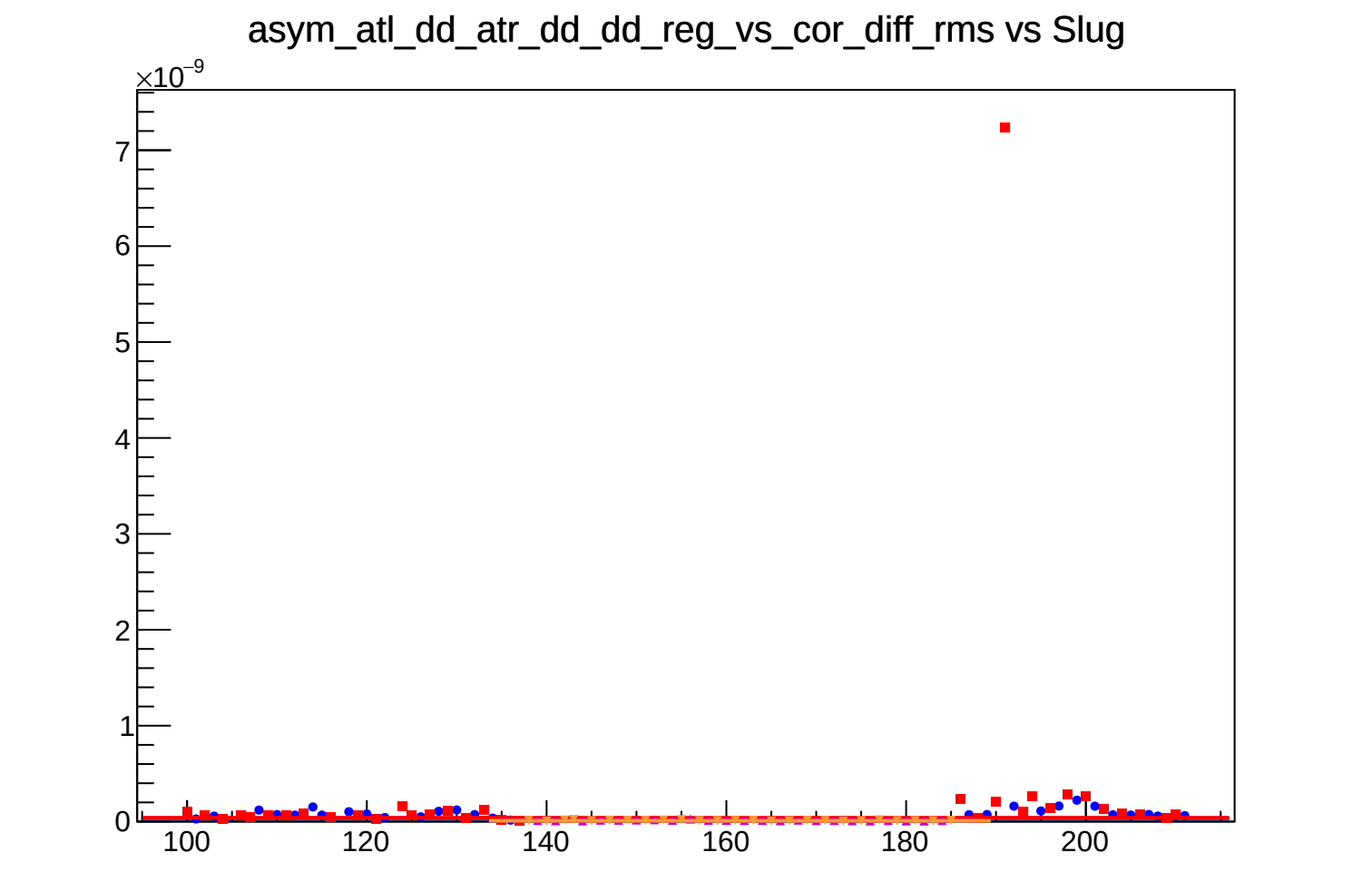
Right Out: 0.000+/-0.000 χ^2/NDF: 48.4/32

Left In: -0.000+/-0.000 χ^2/NDF:13.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 49.3/52

All: 0.000+/-0.000 χ^2/NDF: 112.4/108

- sign -0.000+/-0.000 χ^2/NDF: 62.4/55



Right In: 0.000+/-0.000 χ^2/NDF: 6180920.0/27

Left Out: 0.000+/-0.000 χ^2/NDF:2148494.6/24

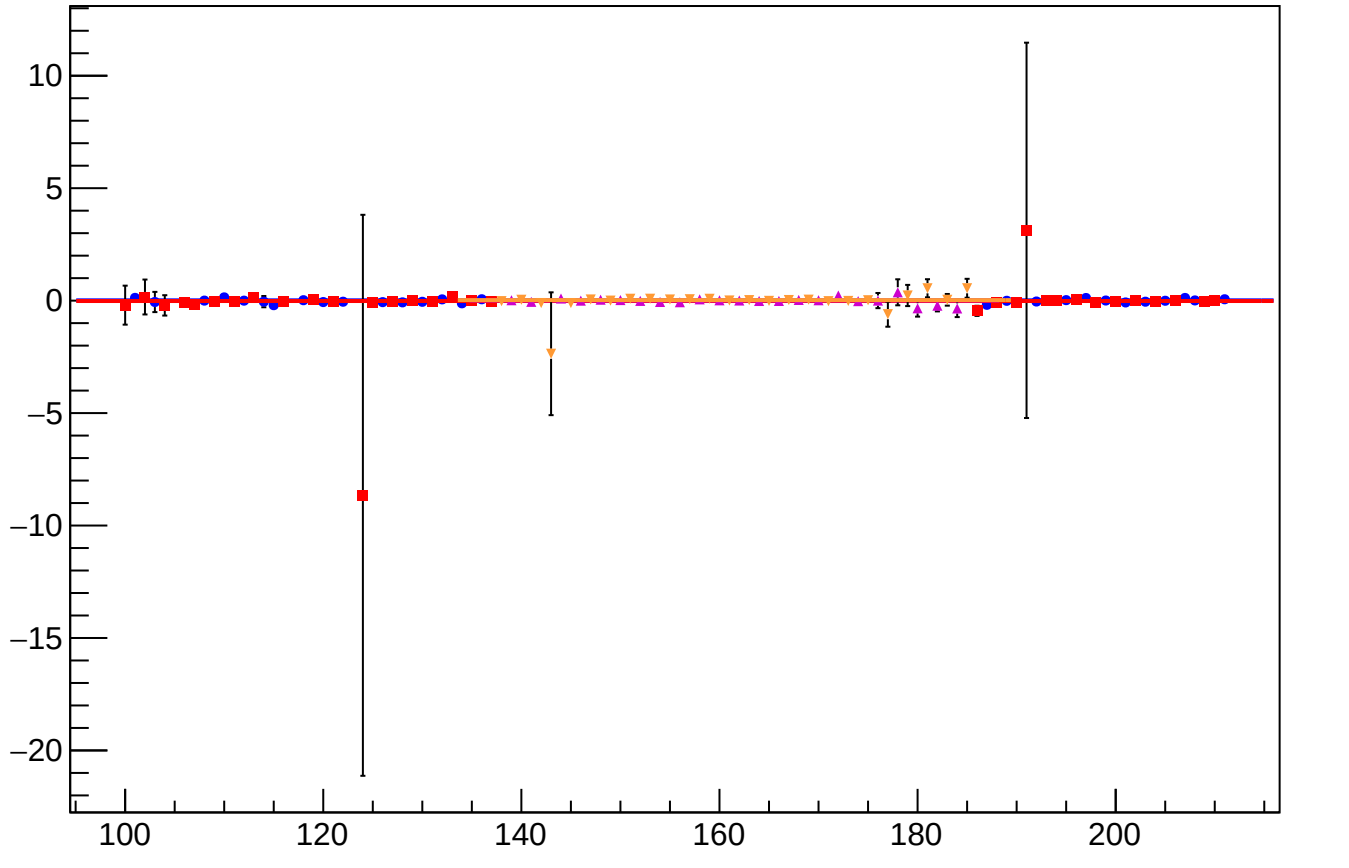
Right Out: 0.000+/-0.000 χ^2/NDF: 6612571.9/32

Left In: 0.000+/-0.000 χ^2/NDF:1232395.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 12903630.9/52

All: 0.000+/-0.000 χ^2/NDF: 25569771.8/108

- sign 0.000+/-0.000 χ^2/NDF: 12381756.6/55



Right In: 0.013+/-0.010 χ^2/NDF: 44.1/27

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: -0.017+/-0.010 χ^2/NDF: 22.6/32

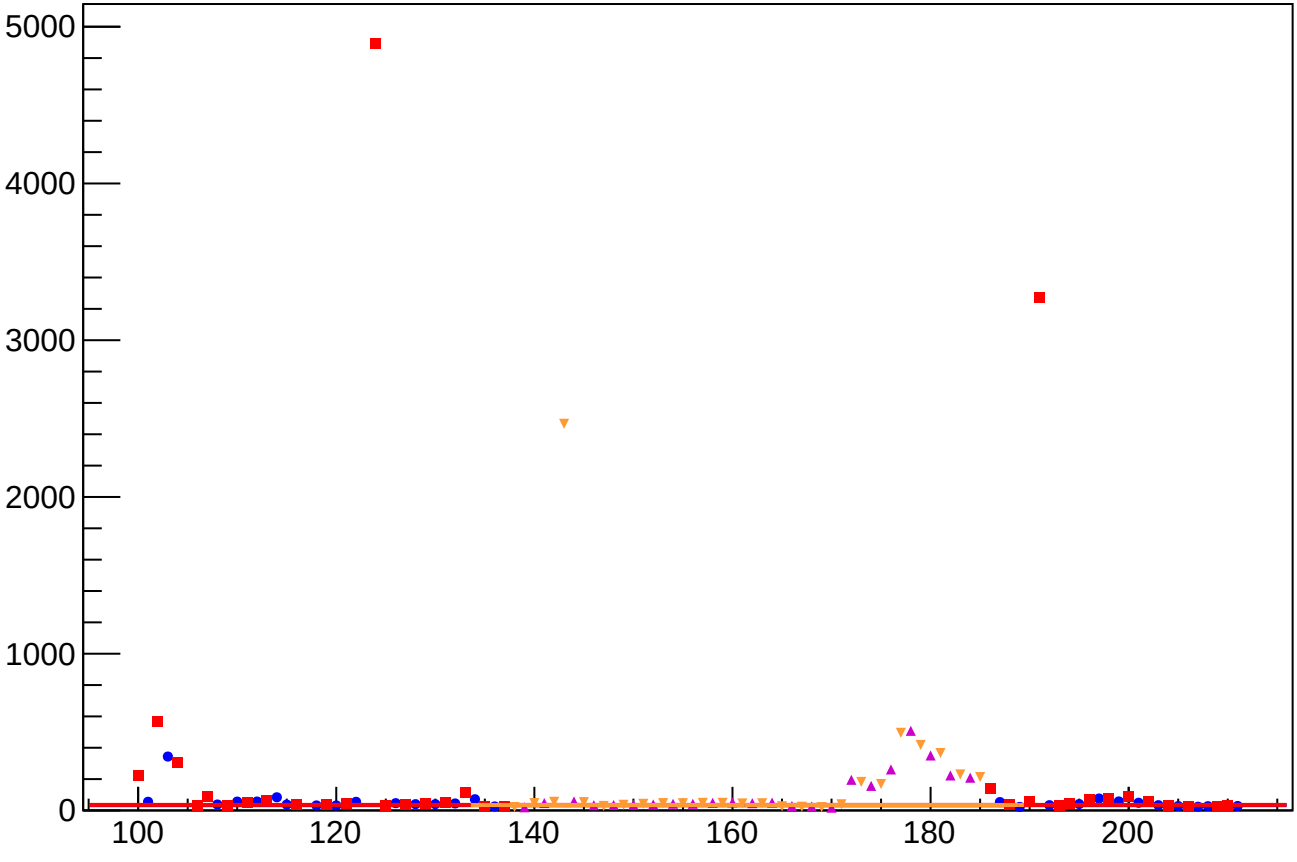
Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

+ sign 0.018+/-0.007 χ^2/NDF: 67.6/52

All: 0.007+/-0.005 χ^2/NDF: 112.9/108

- sign -0.003+/-0.007 χ^2/NDF: 40.9/55

asym_atl_dd_atr_dd_dd_dit_vs_cor_diff_rms vs Slug



Right In: 33.823+/-0.007 χ^2/NDF: 3610297.3/27

Left Out: 34.624+/-0.007 χ^2/NDF:11402451.4/24

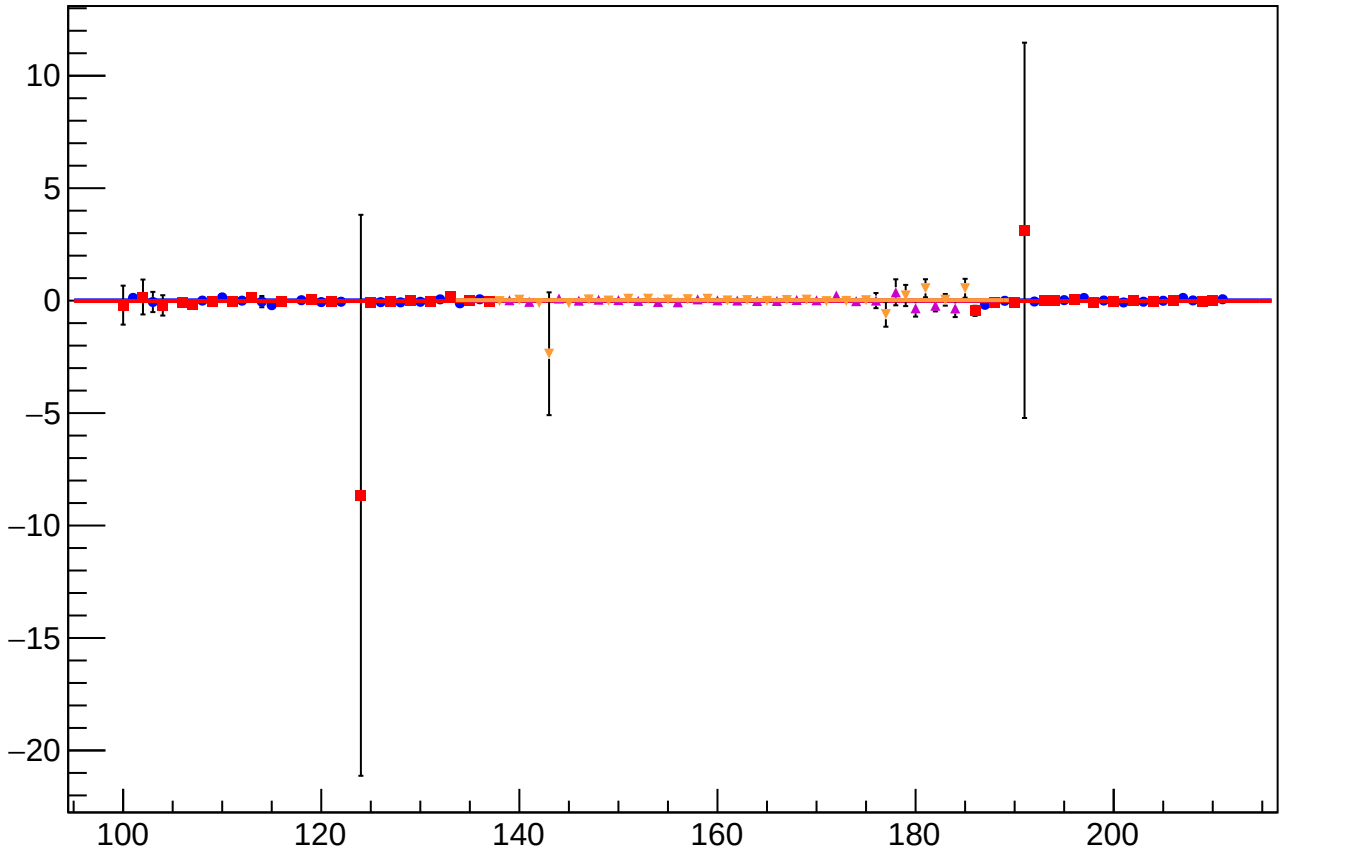
Right Out: 35.499+/-0.007 χ^2/NDF: 6386702.3/32

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

+ sign 34.200+/-0.005 χ^2/NDF: 15019255.2/52

All: 34.364+/-0.004 χ^2/NDF: 31511855.7/108

- sign 34.531+/-0.005 χ^2/NDF: 16490392.9/55



Right In: 0.013+/-0.010 χ^2/NDF: 44.1/27

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

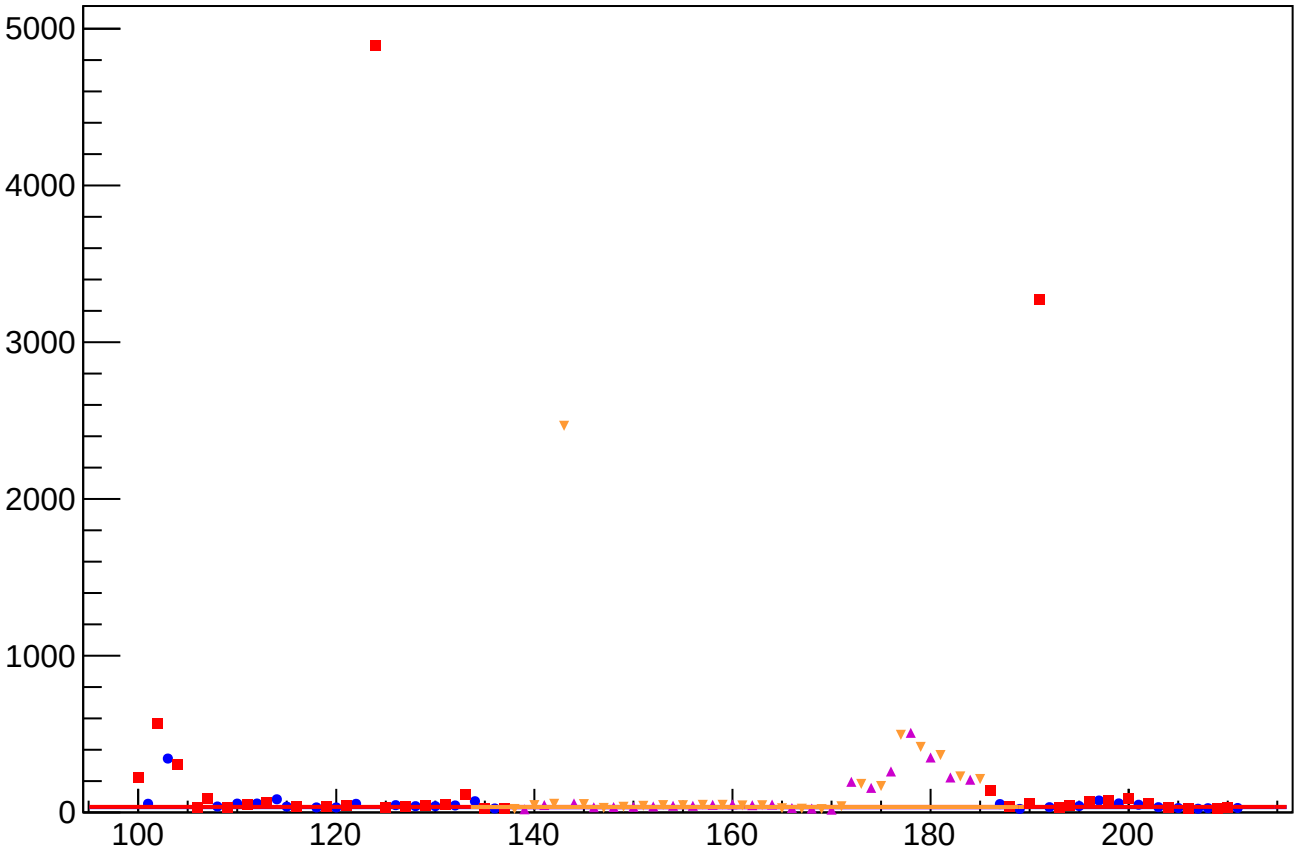
Right Out: -0.017+/-0.010 χ^2/NDF: 22.6/32

Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

+ sign 0.018+/-0.007 χ^2/NDF: 67.6/52

All: 0.007+/-0.005 χ^2/NDF: 112.9/108

- sign -0.003+/-0.007 χ^2/NDF: 40.9/55



Right In: 33.823+/-0.007 χ^2/NDF: 3610297.3/27

Left Out: 34.624+/-0.007 χ^2/NDF:11402451.4/24

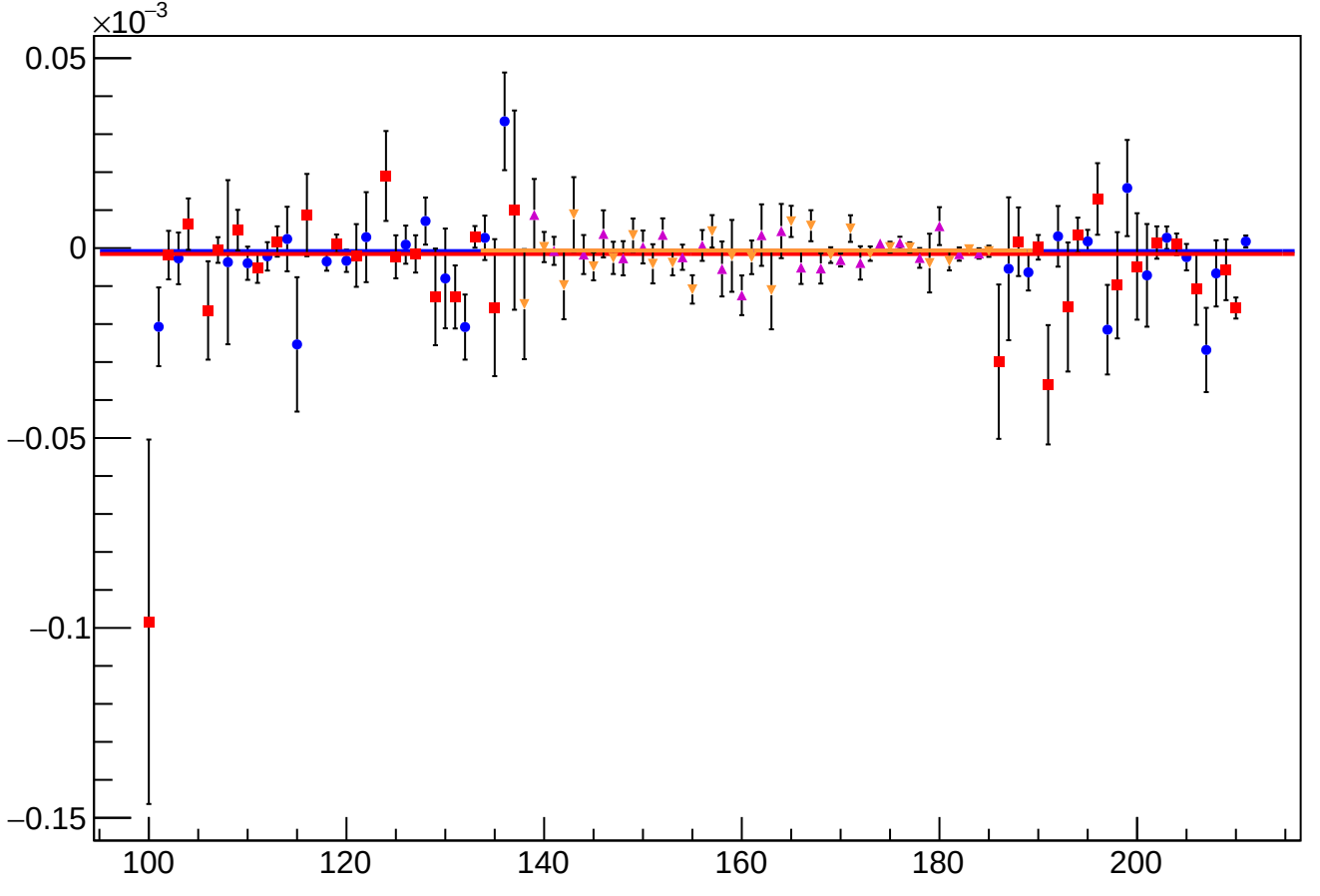
Right Out: 35.499+/-0.007 χ^2/NDF: 6386702.3/32

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

+ sign 34.200+/-0.005 χ^2/NDF: 15019255.2/52

All: 34.364+/-0.004 χ^2/NDF: 31511855.7/108

- sign 34.531+/-0.005 χ^2/NDF: 16490392.9/55



Right In: -0.000+/-0.000 χ^2/NDF: 41.1/27

Left Out: -0.000+/-0.000 χ^2/NDF:28.4/24

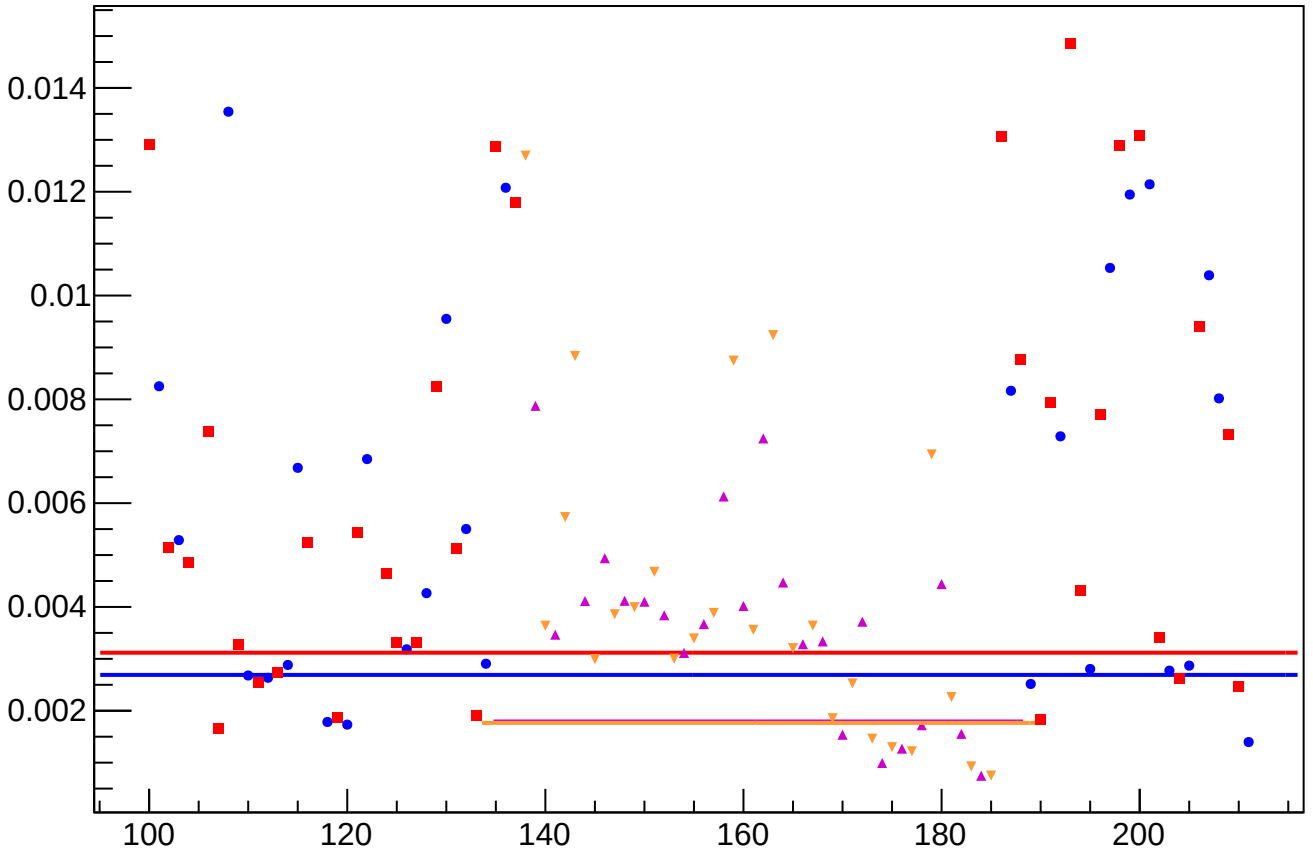
Right Out: -0.000+/-0.000 χ^2/NDF: 61.6/32

Left In: -0.000+/-0.000 χ^2/NDF:21.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 69.6/52

All: -0.000+/-0.000 χ^2/NDF: 154.0/108

- sign -0.000+/-0.000 χ^2/NDF: 84.3/55



Right In: 0.003+/-0.000 χ^2/NDF: 11033732.3/27

Left Out: 0.002+/-0.000 χ^2/NDF:12926339.2/24

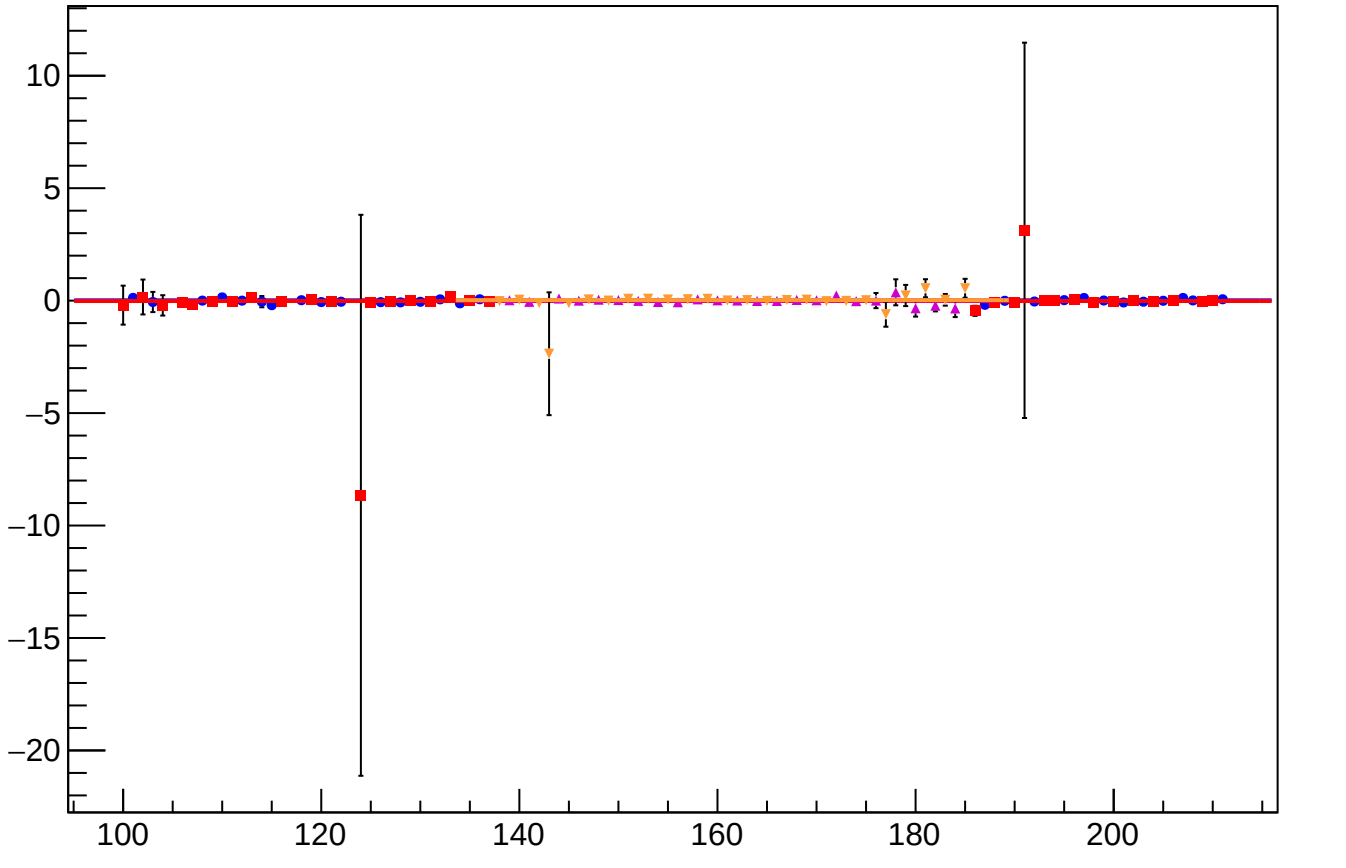
Right Out: 0.003+/-0.000 χ^2/NDF: 10419511.6/32

Left In: 0.002+/-0.000 χ^2/NDF:10766932.4/22

+ sign 0.002+/-0.000 χ^2/NDF: 25706971.3/52

All: 0.002+/-0.000 χ^2/NDF: 50185242.6/108

- sign 0.002+/-0.000 χ^2/NDF: 24385774.9/55



Right In: 0.013+/-0.010 χ^2/NDF: 44.1/27

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

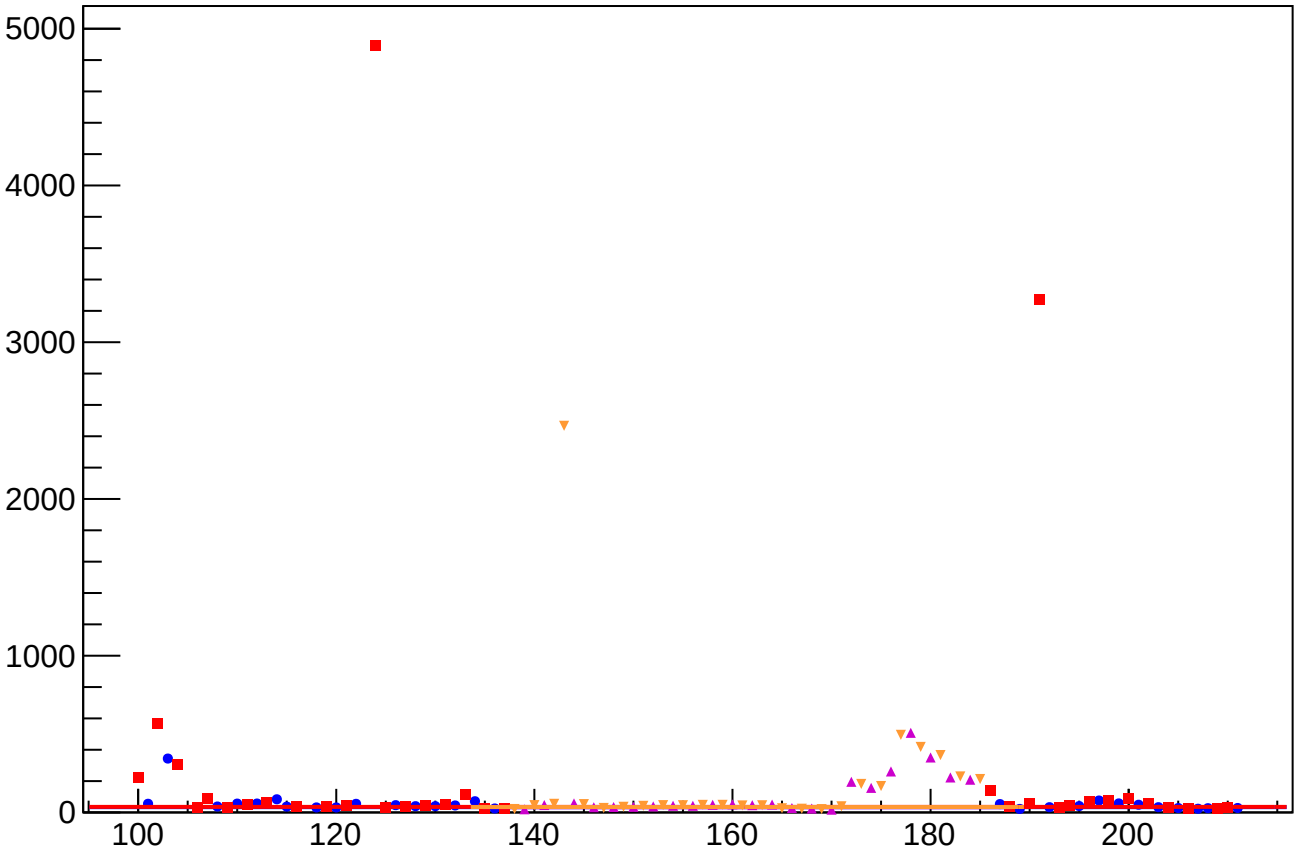
Right Out: -0.017+/-0.010 χ^2/NDF: 22.6/32

Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

+ sign 0.018+/-0.007 χ^2/NDF: 67.6/52

All: 0.007+/-0.005 χ^2/NDF: 112.9/108

- sign -0.003+/-0.007 χ^2/NDF: 40.9/55



Right In: 33.827+/-0.007 χ^2/NDF: 3608946.4/27

Left Out: 34.623+/-0.007 χ^2/NDF:11402566.2/24

Right Out: 35.499+/-0.007 χ^2/NDF: 6386655.0/32

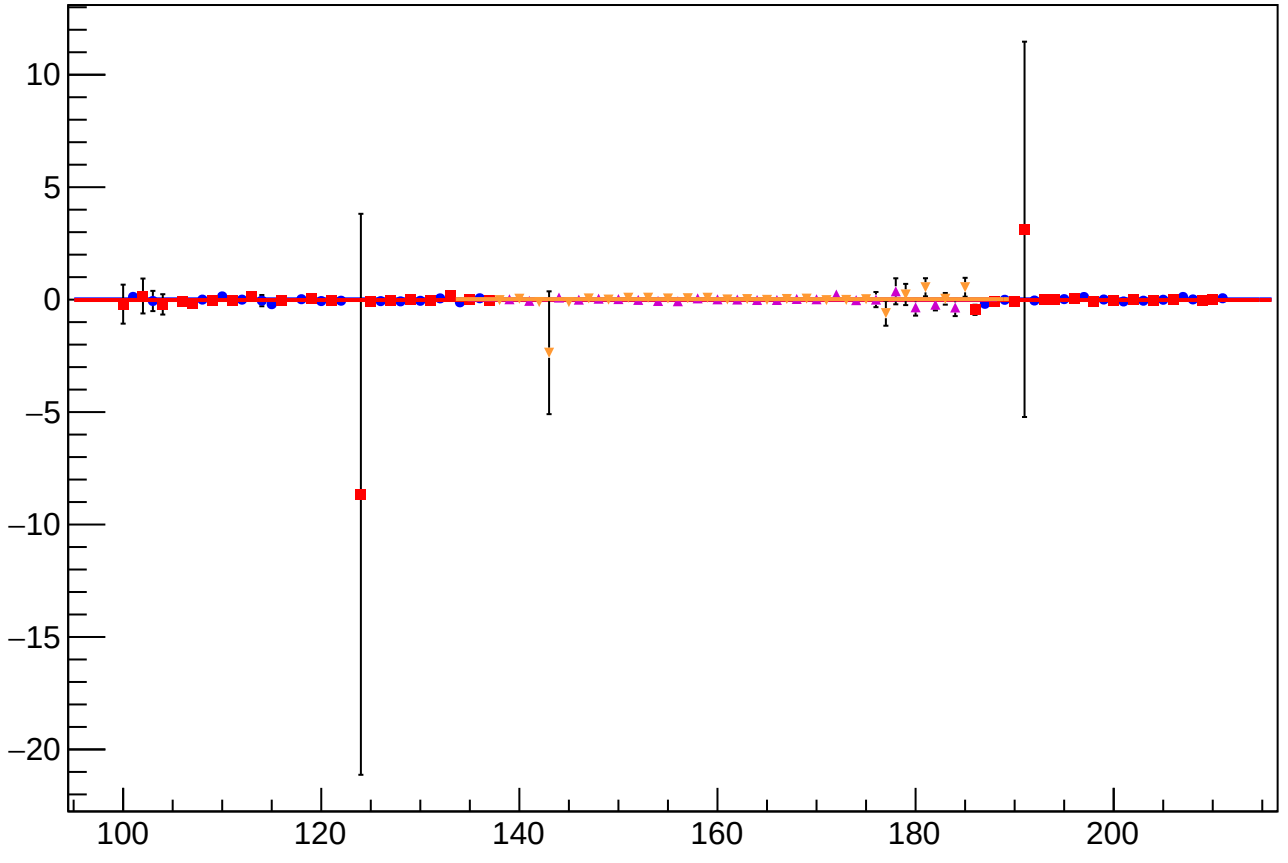
Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

+ sign 34.201+/-0.005 χ^2/NDF: 15017951.5/52

All: 34.365+/-0.004 χ^2/NDF: 31509159.7/108

- sign 34.532+/-0.005 χ^2/NDF: 16488999.5/55

asym_atl_dd_atr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.013+/-0.010 χ^2/NDF: 44.1/27

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

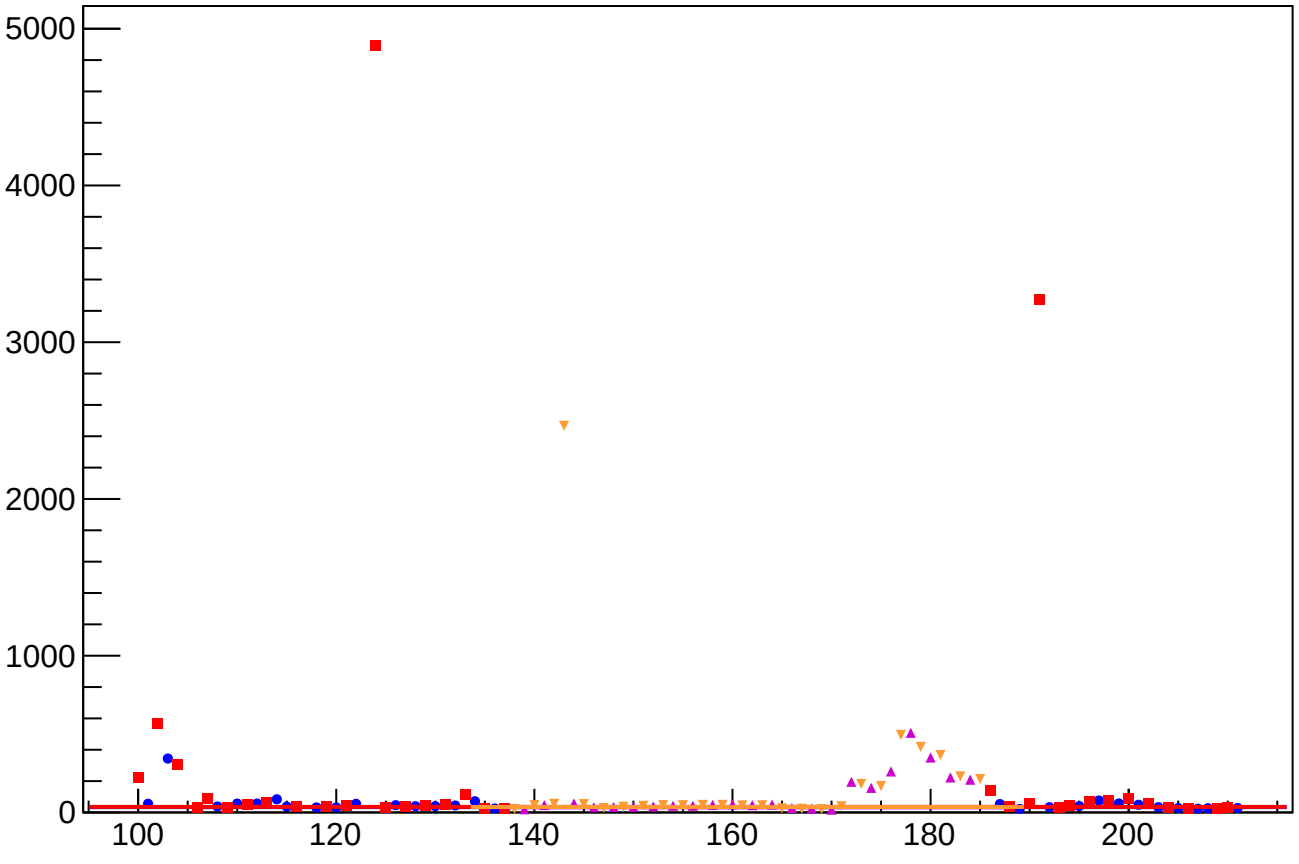
Right Out: -0.017+/-0.010 χ^2/NDF: 22.6/32

Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

+ sign 0.018+/-0.007 χ^2/NDF: 67.6/52

All: 0.007+/-0.005 χ^2/NDF: 112.9/108

- sign -0.003+/-0.007 χ^2/NDF: 40.9/55



Right In: 33.827+/-0.007 χ^2/NDF: 3608946.4/27

Left Out: 34.623+/-0.007 χ^2/NDF:11402566.2/24

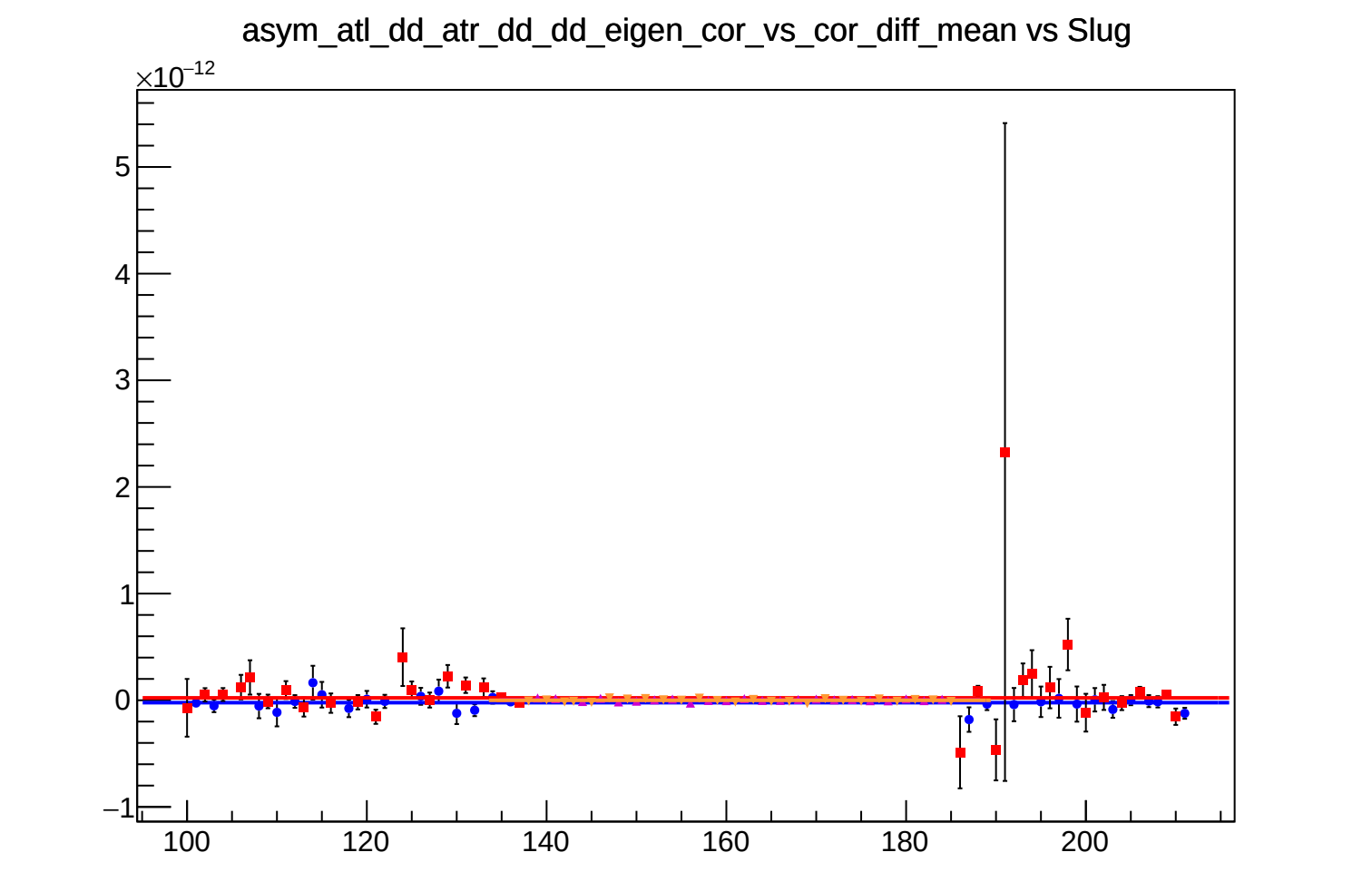
Right Out: 35.499+/-0.007 χ^2/NDF: 6386655.0/32

Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

+ sign 34.201+/-0.005 χ^2/NDF: 15017951.5/52

All: 34.365+/-0.004 χ^2/NDF: 31509159.7/108

- sign 34.532+/-0.005 χ^2/NDF: 16488999.5/55



Right In: -0.000+/-0.000 χ^2/NDF: 15.4/27

Left Out: -0.000+/-0.000 χ^2/NDF:26.0/24

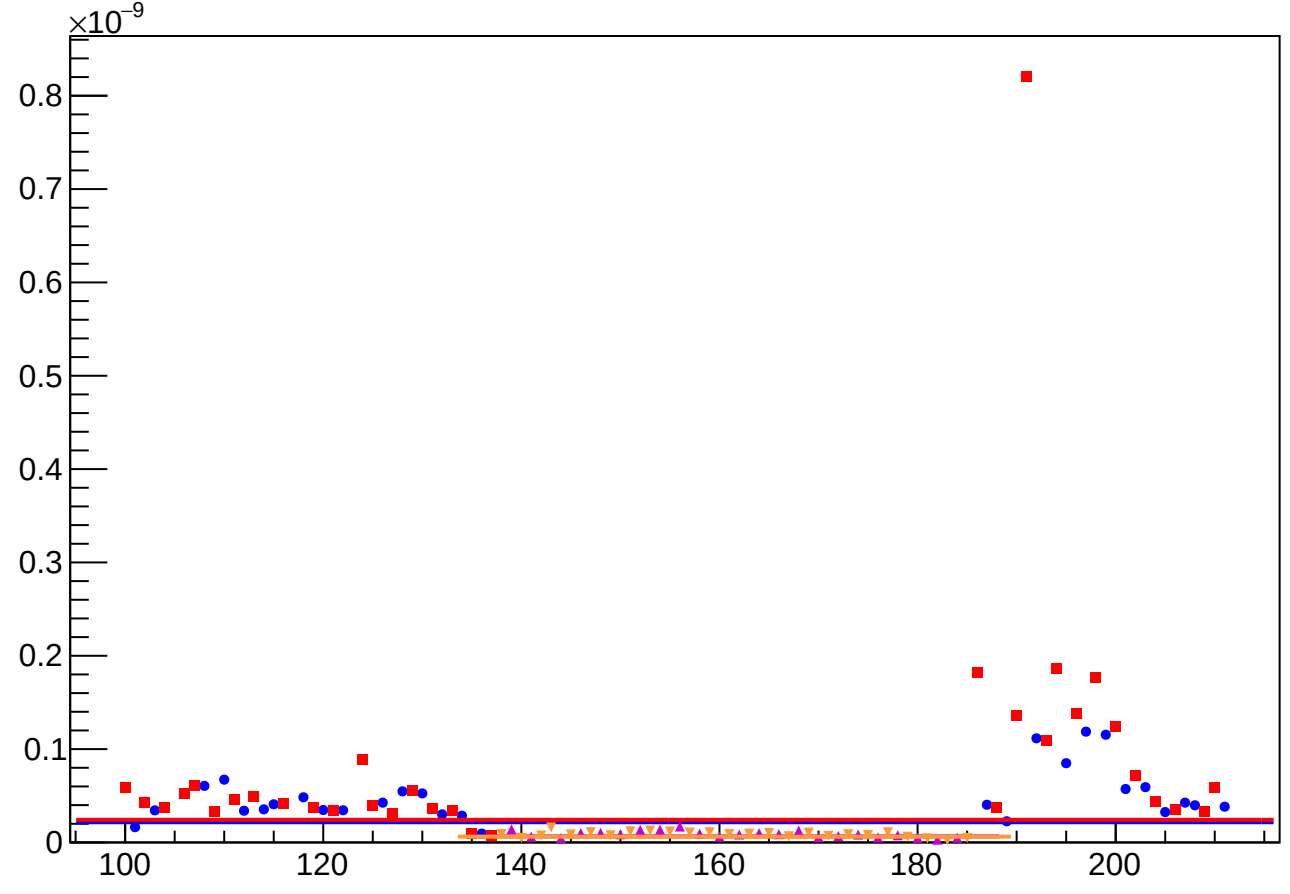
Right Out: 0.000+/-0.000 χ^2/NDF: 50.1/32

Left In: 0.000+/-0.000 χ^2/NDF:20.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 47.3/52

All: 0.000+/-0.000 χ^2/NDF: 123.8/108

- sign 0.000+/-0.000 χ^2/NDF: 74.2/55



Right In: 0.000+/-0.000 χ^2/NDF: 7484915.3/27

Left Out: 0.000+/-0.000 χ^2/NDF:5077918.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10116426.2/32

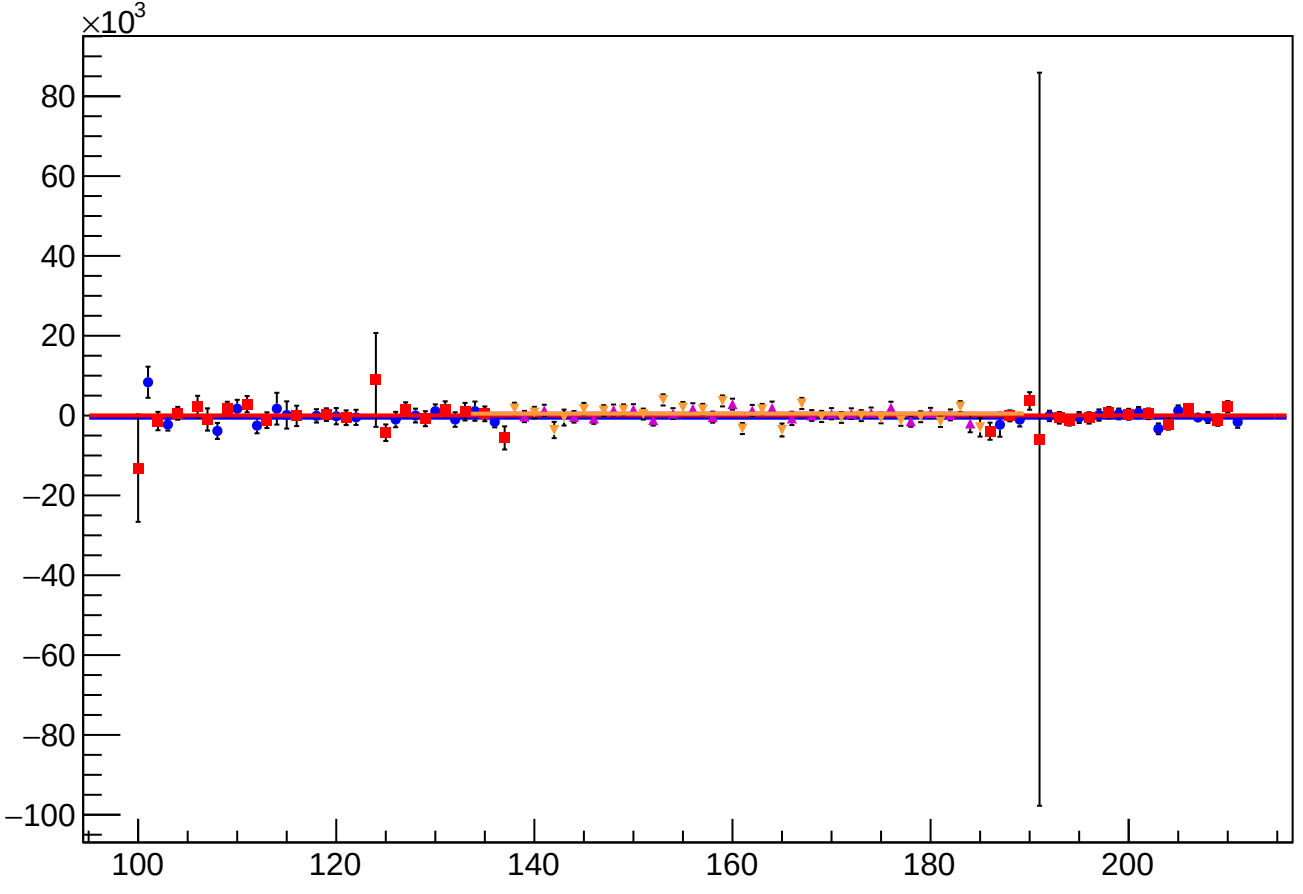
Left In: 0.000+/-0.000 χ^2/NDF:3998320.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 18251603.7/52

All: 0.000+/-0.000 χ^2/NDF: 38587830.3/108

- sign 0.000+/-0.000 χ^2/NDF: 20310834.9/55

reg_asym_at1_avg_at2_avg_dd_mean vs Slug



Right In: -529.989+/-316.031 χ^2/NDF: 22.4/27

Left Out: 492.062+/-288.495 χ^2/NDF:46.9/24

Right Out: 37.024+/-308.298 χ^2/NDF: 31.1/32

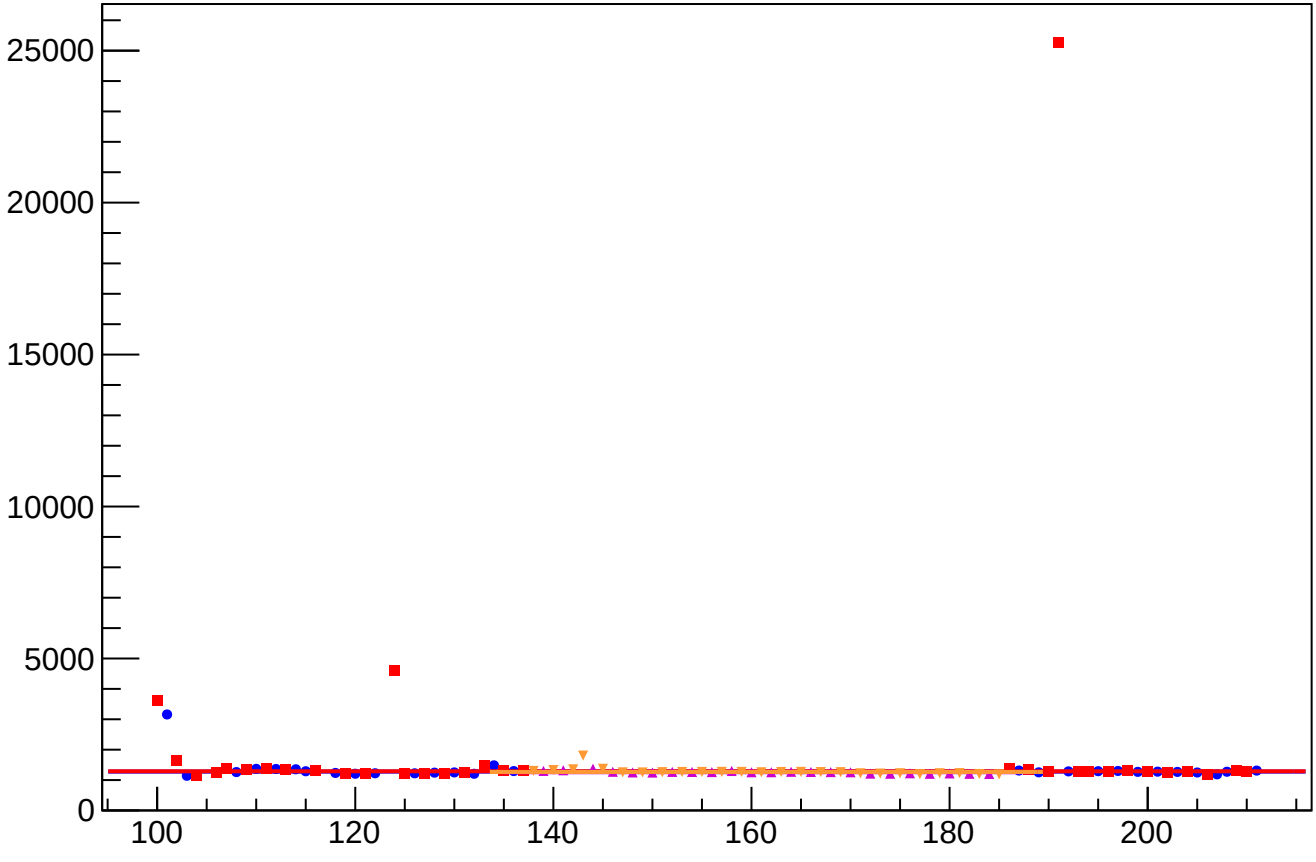
Left In: 486.821+/-293.769 χ^2/NDF:14.4/22

+ sign 27.494+/-213.068 χ^2/NDF: 75.0/52

All: 150.358+/-150.523 χ^2/NDF: 122.4/108

- sign 272.771+/-212.677 χ^2/NDF: 46.7/55

reg_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1277.847+/-0.223 χ^2/NDF: 529453.2/27

Left Out: 1266.967+/-0.204 χ^2/NDF:187545.6/24

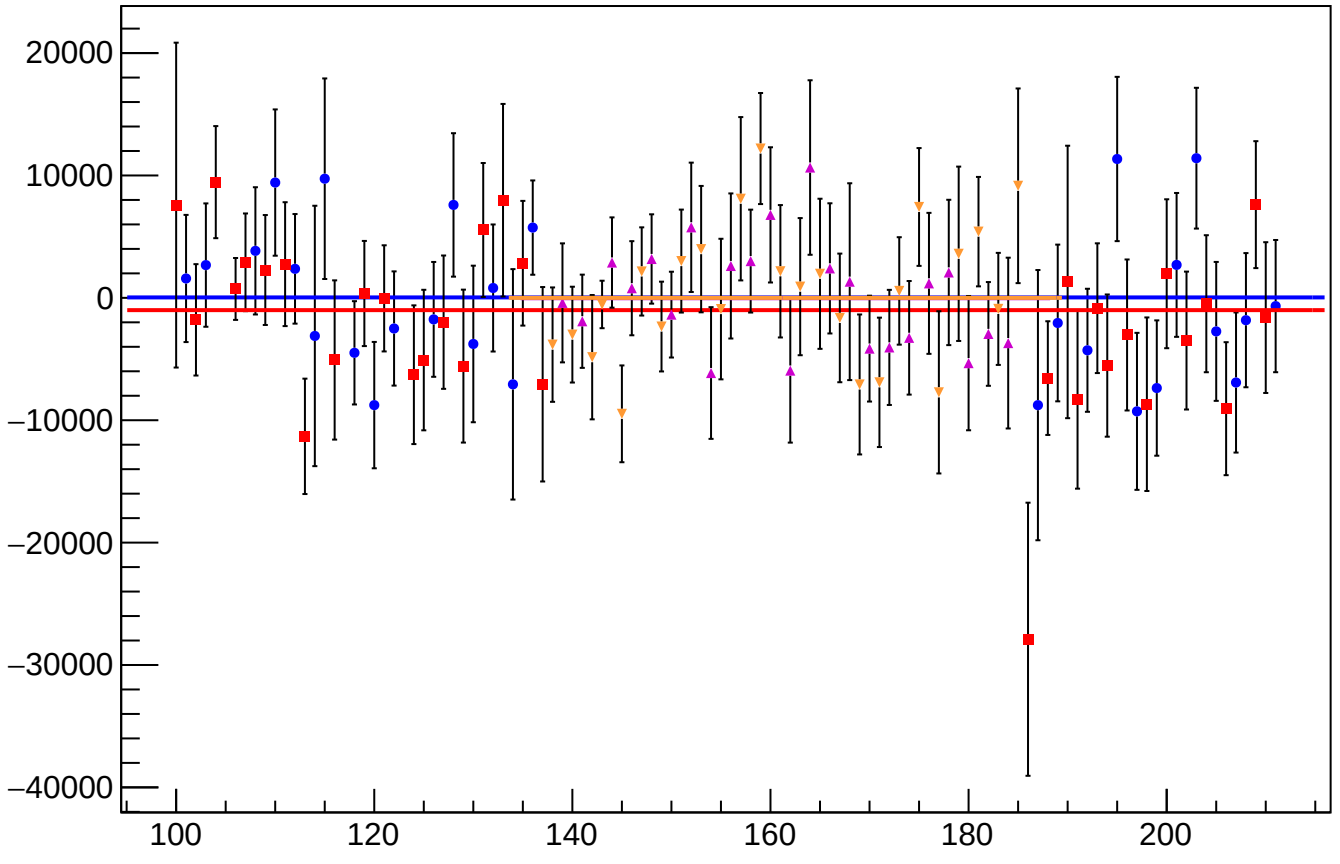
Right Out: 1288.715+/-0.218 χ^2/NDF: 482663.4/32

Left In: 1257.551+/-0.208 χ^2/NDF:36816.4/22

+ sign 1271.913+/-0.151 χ^2/NDF: 718291.7/52

All: 1272.156+/-0.106 χ^2/NDF: 1248499.2/10

- sign 1272.398+/-0.150 χ^2/NDF: 530202.3/55



Right In: 35.422+/-1048.859 χ^2/NDF: 28.6/27

Left Out: -0.604+/-886.488 χ^2/NDF:29.1/24

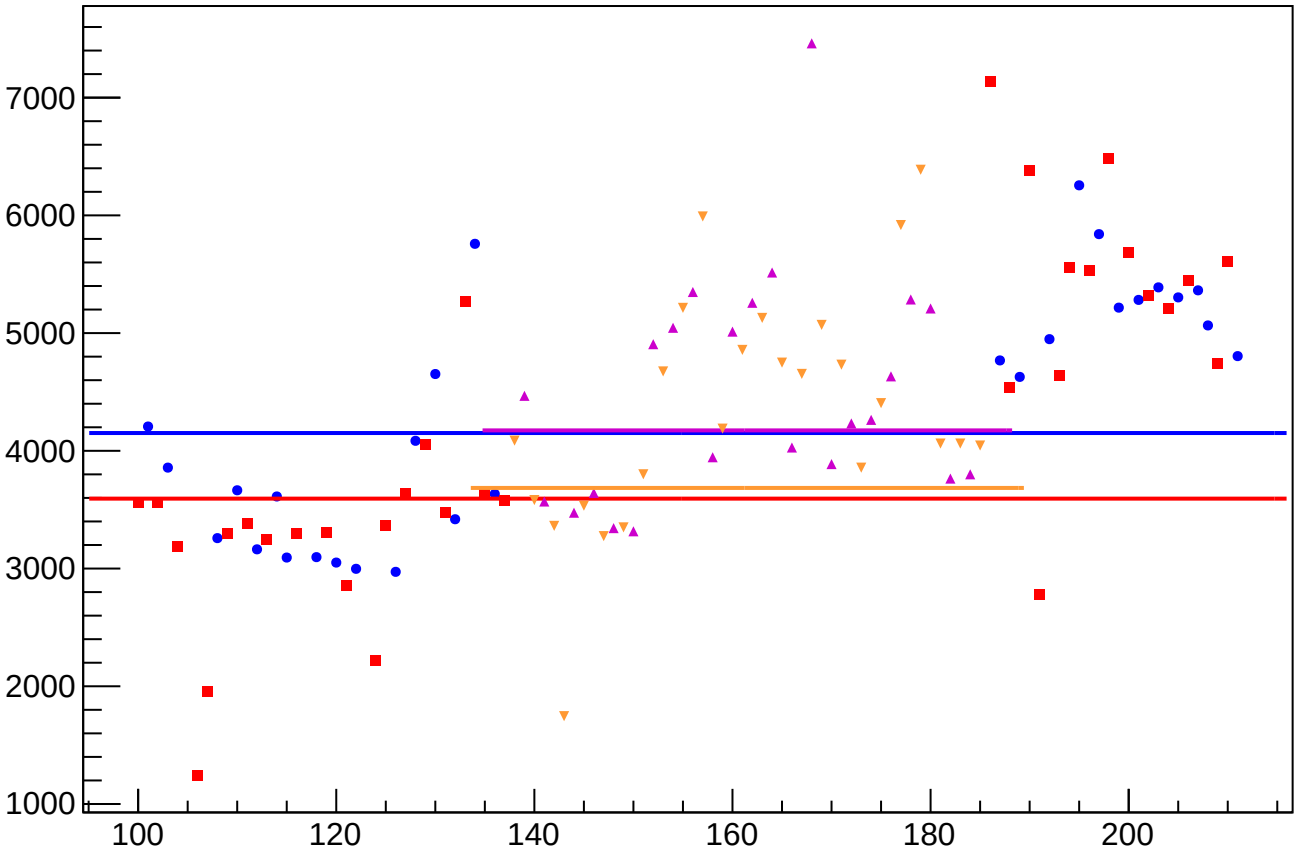
Right Out: -1004.039+/-916.512 χ^2/NDF: 34.9/32

Left In: -31.593+/-995.348 χ^2/NDF:14.0/22

+ sign 14.408+/-677.054 χ^2/NDF: 57.7/52

All: -272.919+/-477.745 χ^2/NDF: 107.5/108

- sign -557.847+/-674.222 χ^2/NDF: 49.5/55



Right In: 4151.149+/-0.742 χ^2/NDF: 1726521.5/27

Left Out: 3684.769+/-0.627 χ^2/NDF:3693646.6/24

Right Out: 3593.907+/-0.648 χ^2/NDF: 4807343.5/32

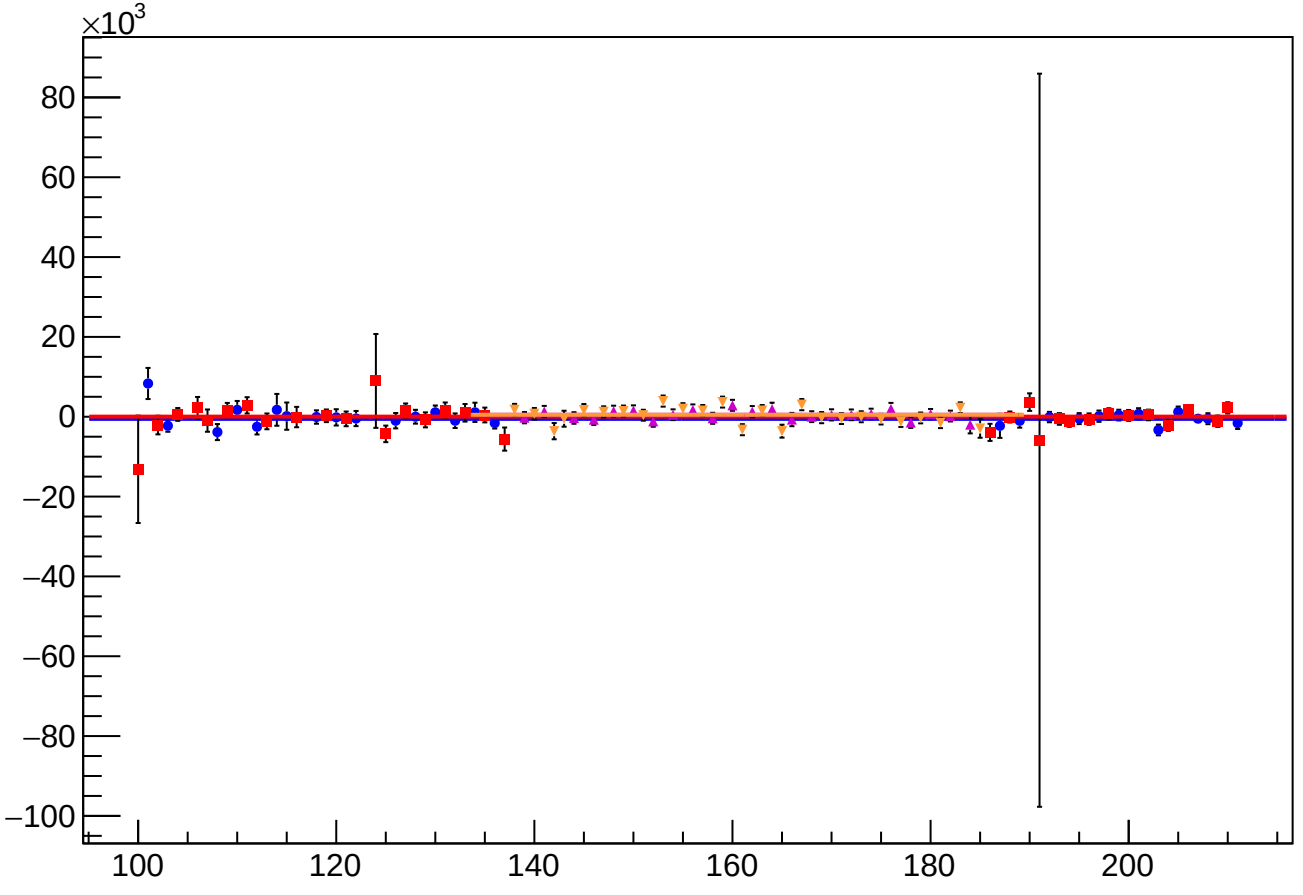
Left In: 4173.556+/-0.704 χ^2/NDF:1274968.4/22

+ sign 3879.104+/-0.479 χ^2/NDF: 5650830.3/52

All: 3869.447+/-0.338 χ^2/NDF: 12101015.9/1

- sign 3859.870+/-0.477 χ^2/NDF: 6449375.1/55

cor_asym_at1_avg_at2_avg_dd_mean vs Slug



Right In: -530.114+/-316.031 χ^2/NDF: 22.4/27

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: 25.432+/-308.380 χ^2/NDF: 31.6/32

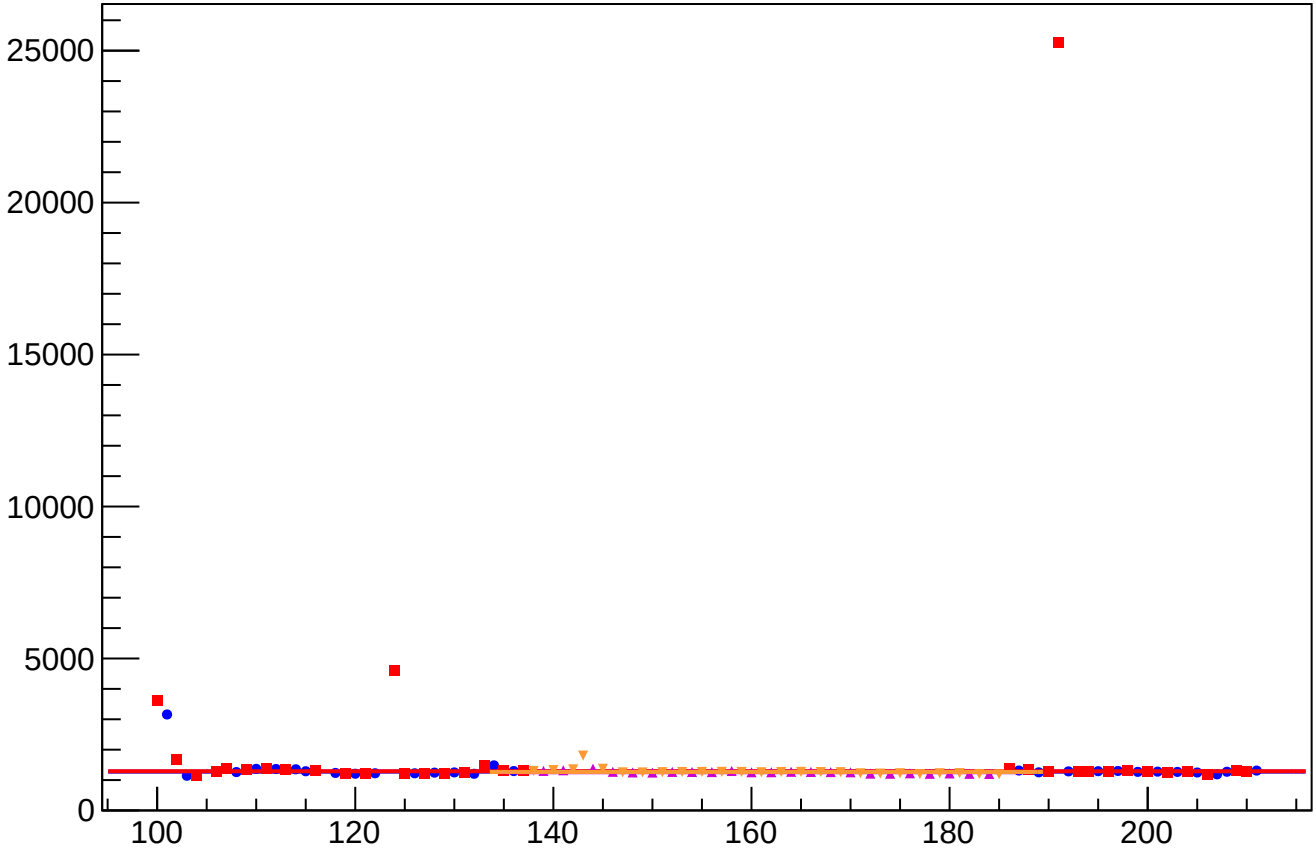
Left In: 486.720+/-293.769 χ^2/NDF:14.4/22

+ sign 27.446+/-213.068 χ^2/NDF: 75.0/52

All: 147.560+/-150.533 χ^2/NDF: 122.8/108

- sign 267.263+/-212.704 χ^2/NDF: 47.2/55

cor_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1277.847+/-0.223 χ^2/NDF: 529454.6/27

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

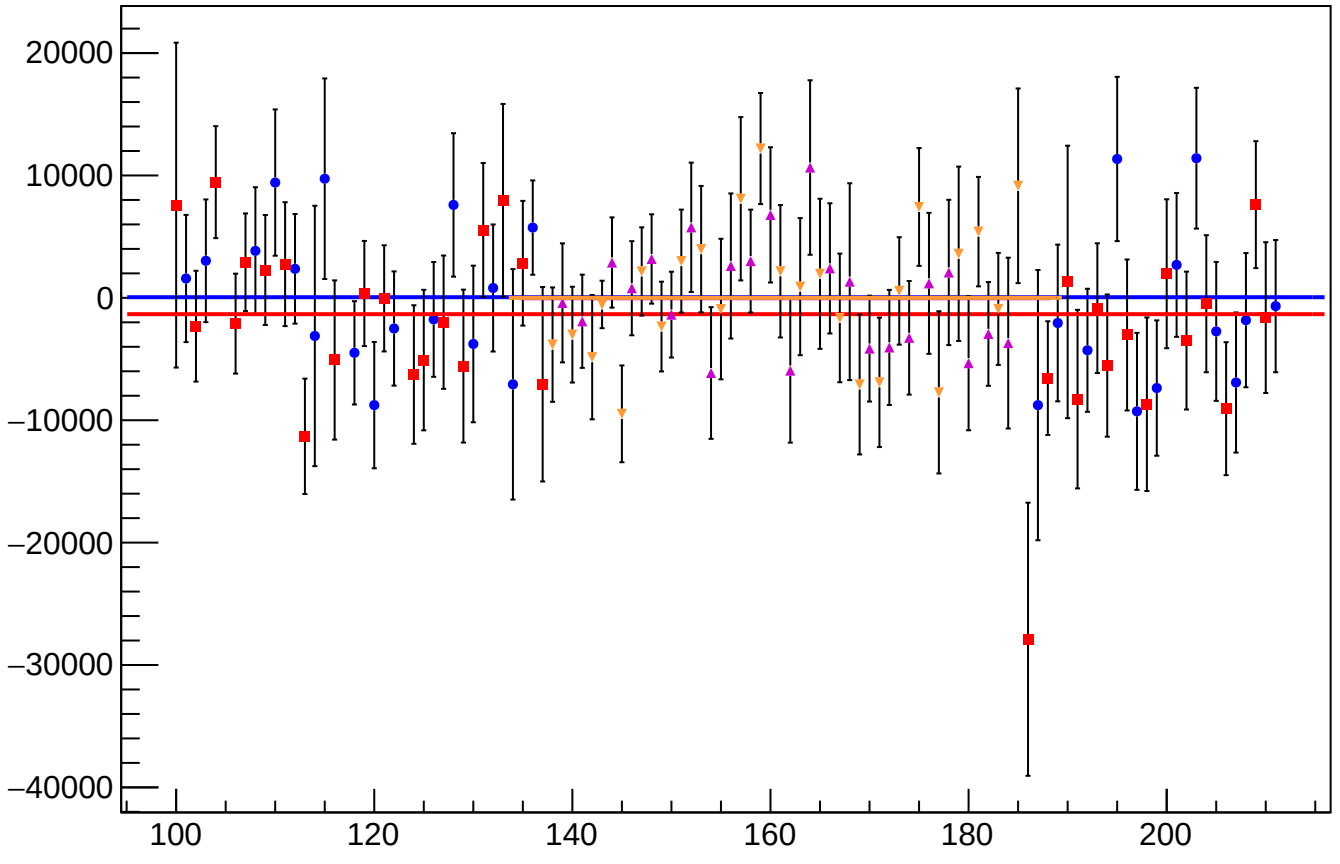
Right Out: 1289.515+/-0.218 χ^2/NDF: 489554.9/32

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

+ sign 1271.913+/-0.151 χ^2/NDF: 718293.0/52

All: 1272.342+/-0.106 χ^2/NDF: 1255953.9/10

- sign 1272.770+/-0.150 χ^2/NDF: 537644.6/55



Right In: 51.879+/-1048.633 χ^2/NDF: 28.7/27

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

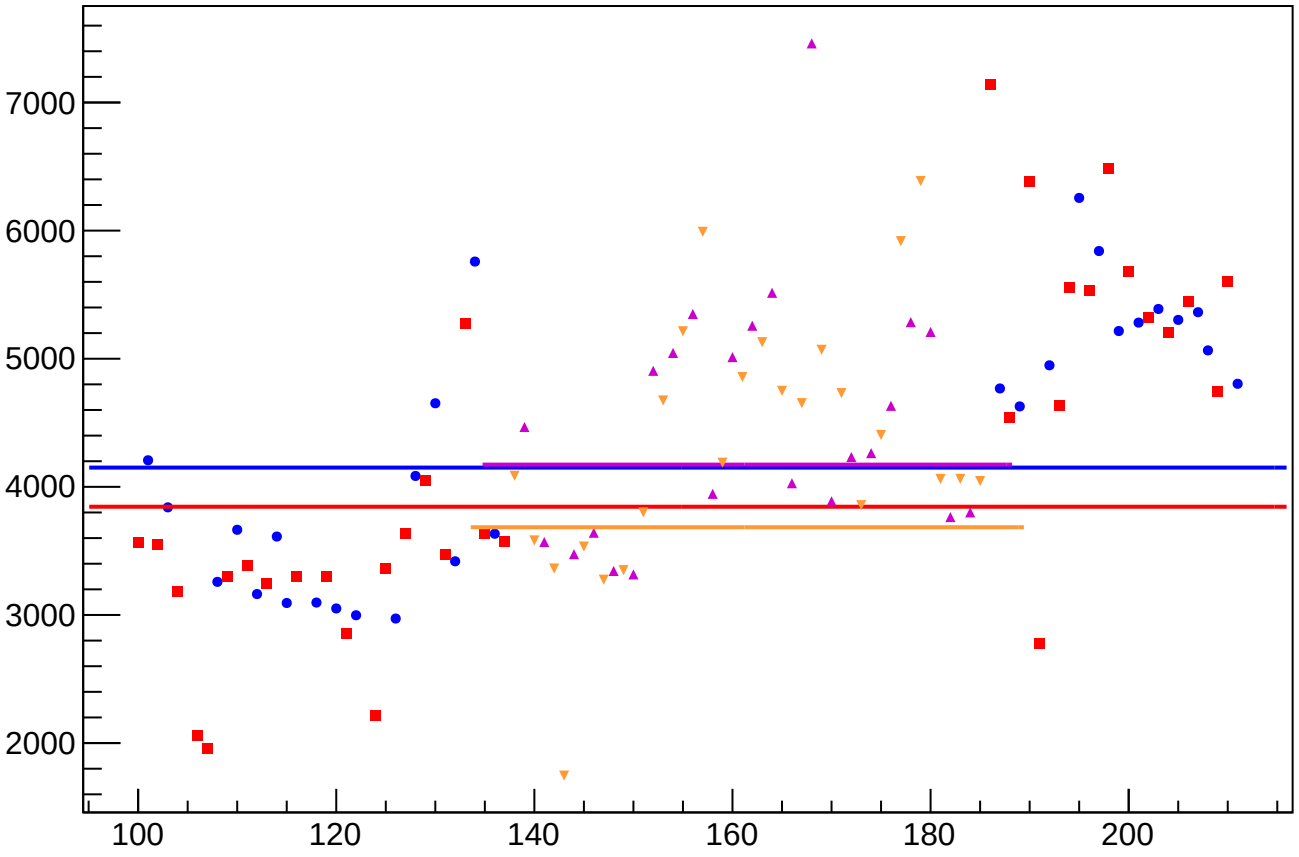
Right Out: -1334.126+/-955.729 χ^2/NDF: 34.4/32

Left In: -31.597+/-995.347 χ^2/NDF:14.0/22

+ sign 21.307+/-676.992 χ^2/NDF: 57.7/52

All: -337.371+/-483.027 χ^2/NDF: 107.7/108

- sign -709.299+/-689.383 χ^2/NDF: 49.4/55



Right In: 4150.300+/-0.741 χ^2/NDF: 1727441.7/27

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

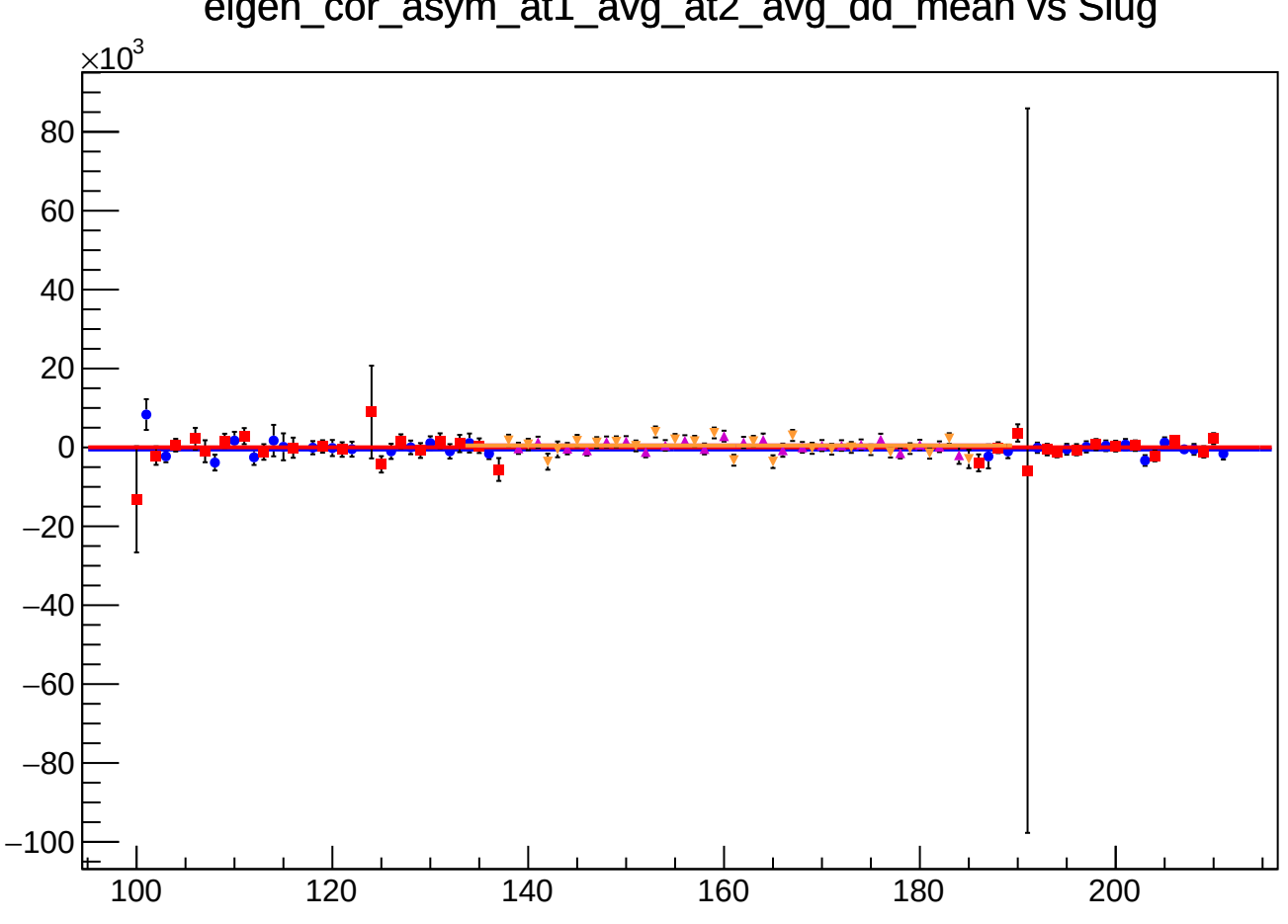
Right Out: 3844.885+/-0.676 χ^2/NDF: 3222064.1/32

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

+ sign 3878.795+/-0.479 χ^2/NDF: 5651016.4/52

All: 3939.548+/-0.342 χ^2/NDF: 10294316.0/1

- sign 4002.546+/-0.487 χ^2/NDF: 4610491.0/55



Right In: -530.114+/-316.031 χ^2/NDF: 22.4/27

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: 25.432+/-308.380 χ^2/NDF: 31.6/32

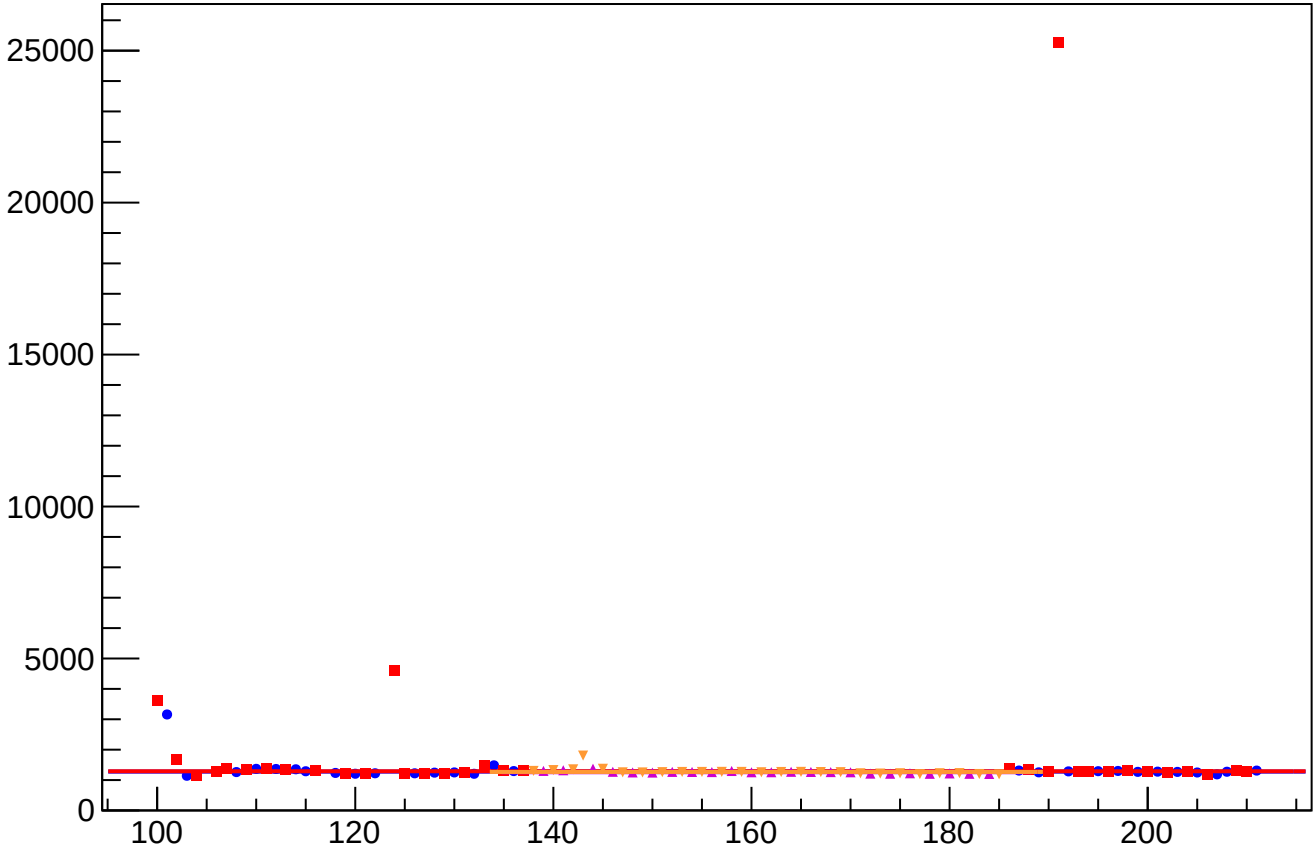
Left In: 486.720+/-293.769 χ^2/NDF:14.4/22

+ sign 27.446+/-213.068 χ^2/NDF: 75.0/52

All: 147.560+/-150.533 χ^2/NDF: 122.8/108

- sign 267.263+/-212.704 χ^2/NDF: 47.2/55

eigen_cor_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1277.847+/-0.223 χ^2/NDF: 529454.6/27

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

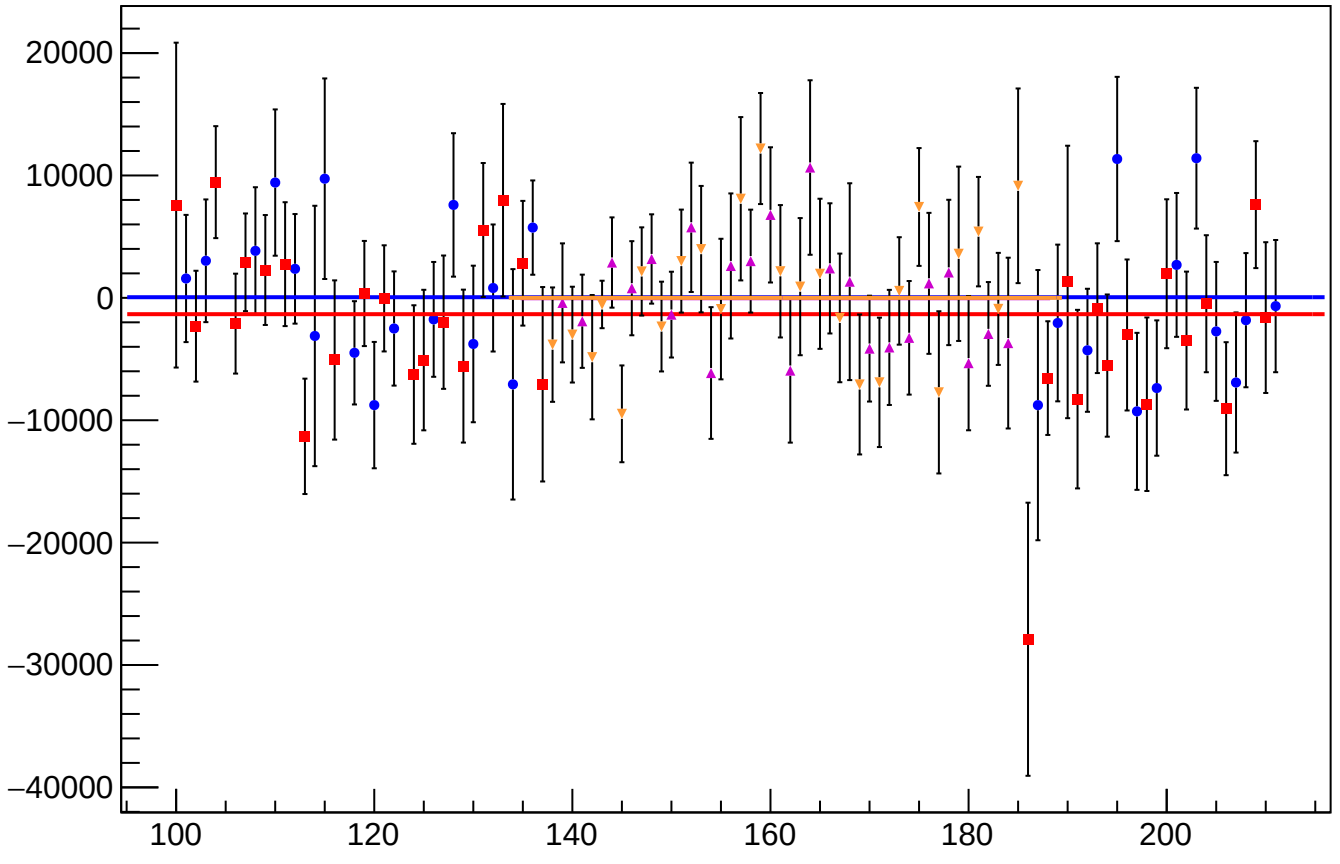
Right Out: 1289.515+/-0.218 χ^2/NDF: 489554.9/32

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

+ sign 1271.913+/-0.151 χ^2/NDF: 718293.0/52

All: 1272.342+/-0.106 χ^2/NDF: 1255953.9/10

- sign 1272.770+/-0.150 χ^2/NDF: 537644.6/55



Right In: 51.879+/-1048.633 χ^2/NDF: 28.7/27

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

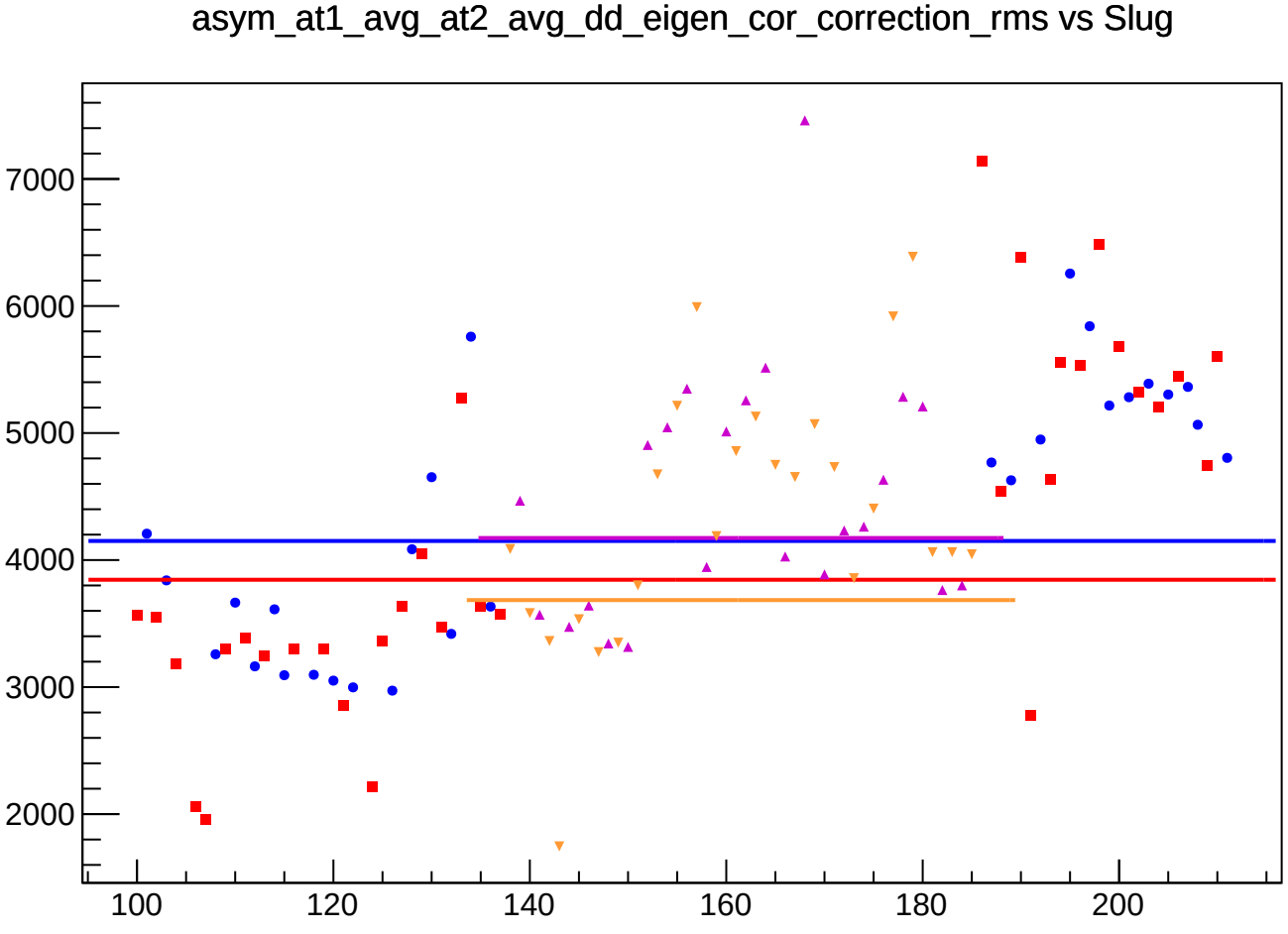
Right Out: -1334.126+/-955.729 χ^2/NDF: 34.4/32

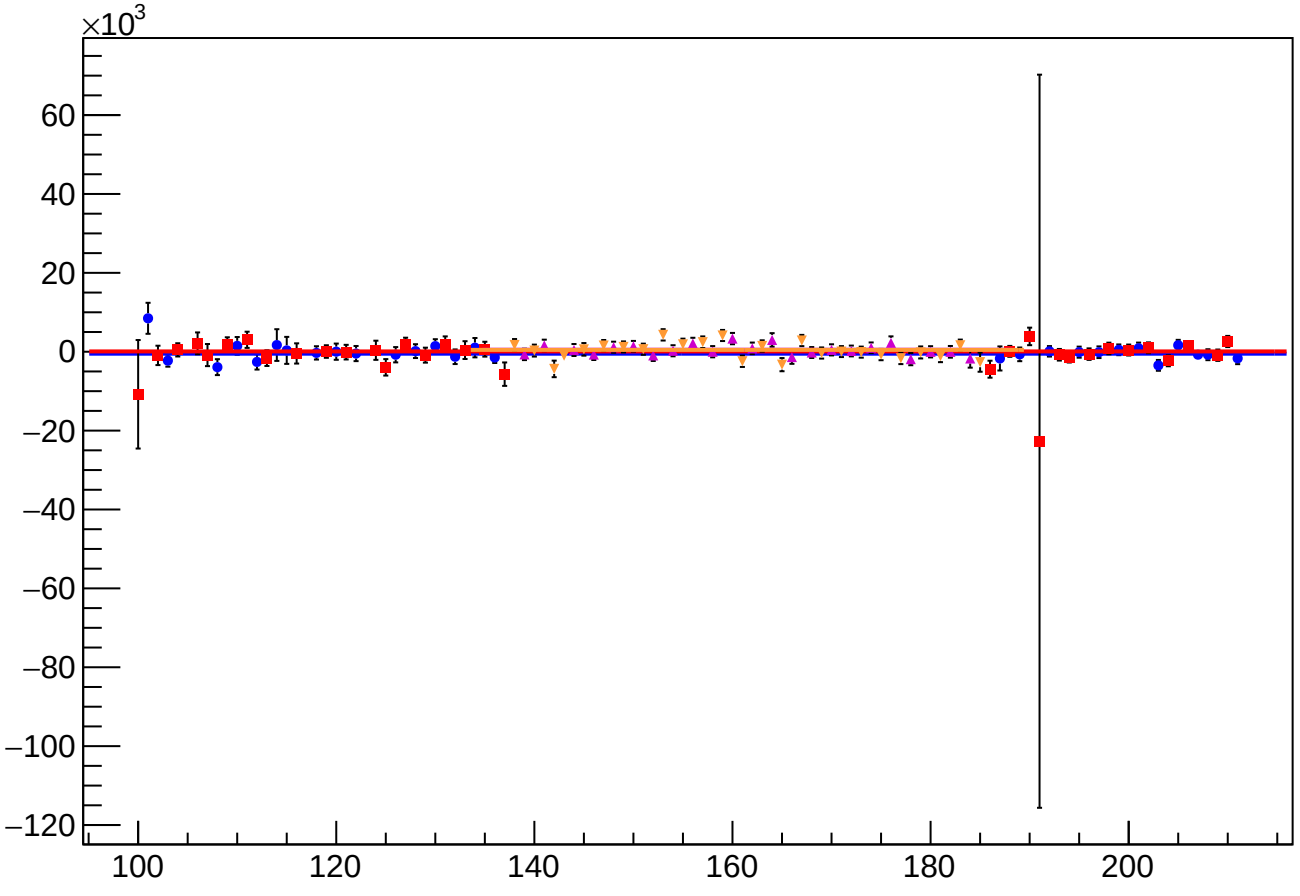
Left In: -31.597+/-995.347 χ^2/NDF:14.0/22

+ sign 21.307+/-676.992 χ^2/NDF: 57.7/52

All: -337.371+/-483.027 χ^2/NDF: 107.7/108

- sign -709.299+/-689.383 χ^2/NDF: 49.4/55


asym_at1_avg_at2_avg_dd_eigen_cor_correction_rms vs Slug
7000
6000
5000
4000
3000
2000
100
120
140
160
180
200
Right In: 4150.300+/-0.741 χ²/NDF: 1727441.7/27
Left Out: 3684.762+/-0.627 χ²/NDF:3693687.2/24
Right Out: 3844.885+/-0.676 χ²/NDF: 3222064.1/32
Left In: 4173.550+/-0.704 χ²/NDF:1274967.5/22
+ sign 3878.795+/-0.479 χ²/NDF: 5651016.4/52
All: 3939.548+/-0.342 χ²/NDF: 10294316.0/1
- sign 4002.546+/-0.487 χ²/NDF: 4610491.0/55



Right In: -494.200+/-320.342 χ^2/NDF: 23.9/27

Left Out: 467.929+/-294.257 χ^2/NDF:44.1/24

Right Out: 78.986+/-310.702 χ^2/NDF: 32.7/32

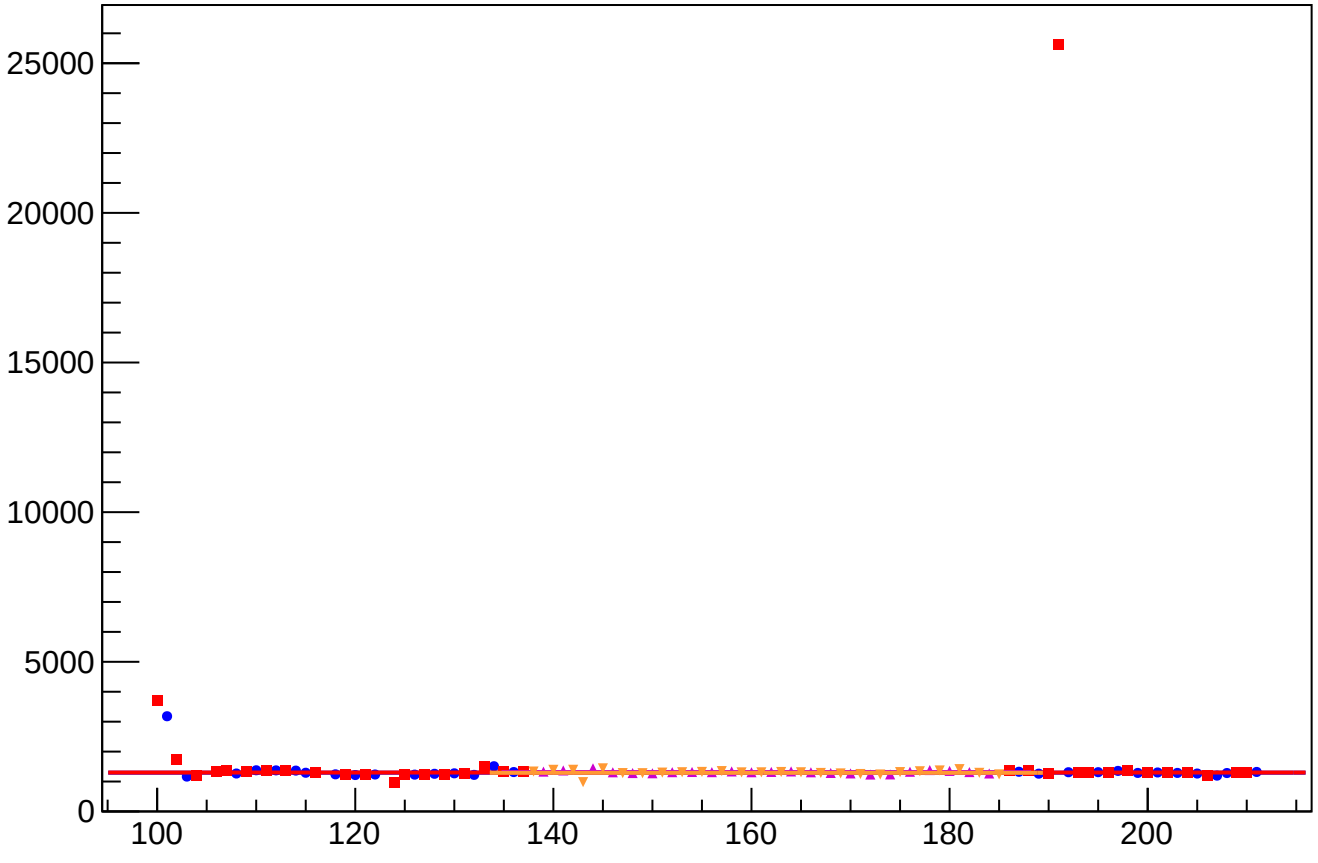
Left In: 503.558+/-307.055 χ^2/NDF:17.4/22

+ sign 27.626+/-216.707 χ^2/NDF: 72.9/52

All: 159.667+/-153.830 χ^2/NDF: 124.7/108

- sign 293.778+/-218.399 χ^2/NDF: 51.0/55

dit_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1295.148+/-0.227 χ^2/NDF: 529543.3/27

Left Out: 1291.211+/-0.208 χ^2/NDF:230735.1/24

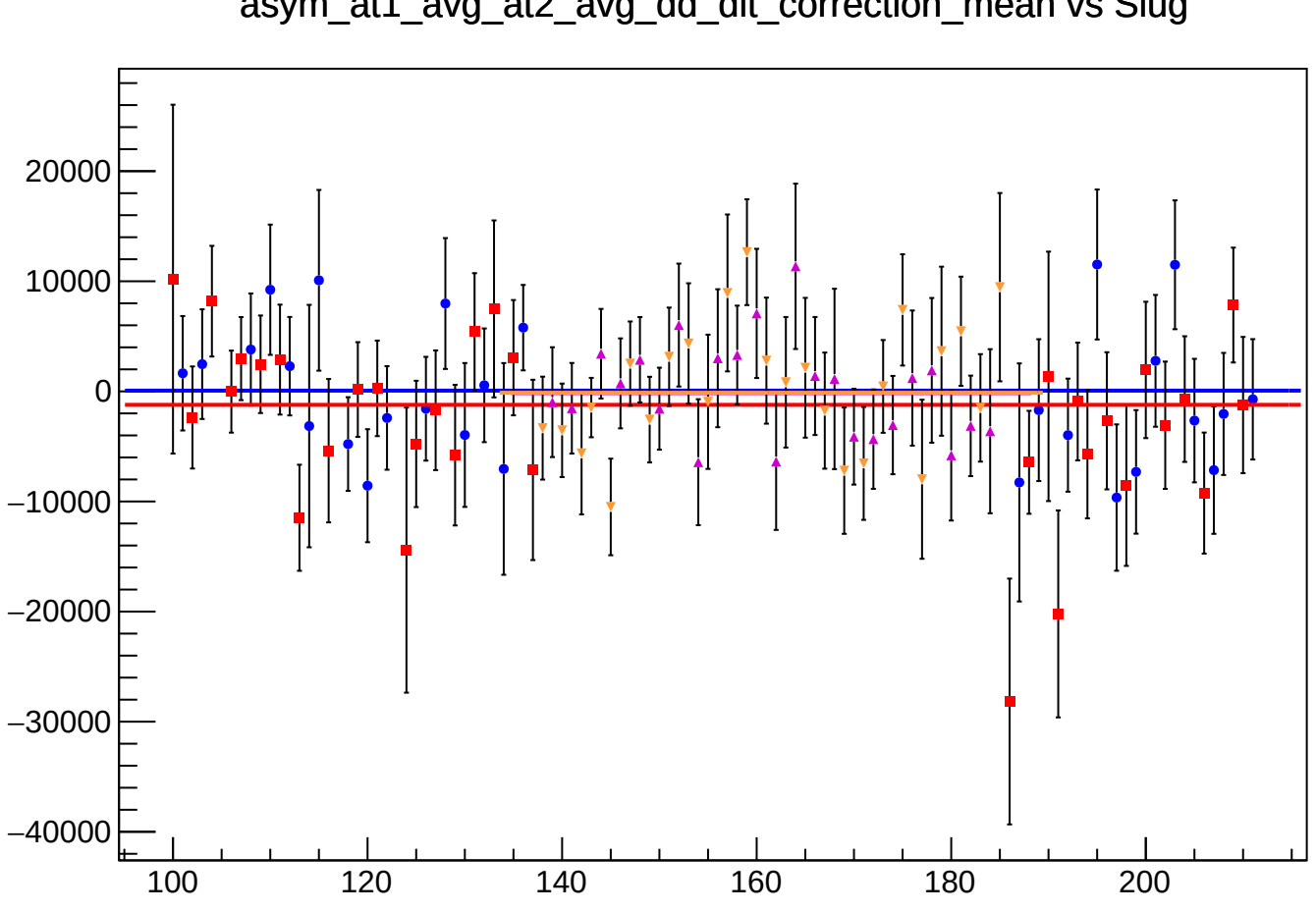
Right Out: 1300.541+/-0.220 χ^2/NDF: 378271.1/32

Left In: 1314.006+/-0.217 χ^2/NDF:43044.7/22

+ sign 1293.013+/-0.153 χ^2/NDF: 760442.3/52

All: 1300.127+/-0.109 χ^2/NDF: 1188003.1/10

- sign 1307.351+/-0.154 χ^2/NDF: 423216.7/55



Right In: 67.732+/-1054.754 χ^2/NDF: 28.5/27

Left Out: -127.273+/-977.231 χ^2/NDF:28.6/24

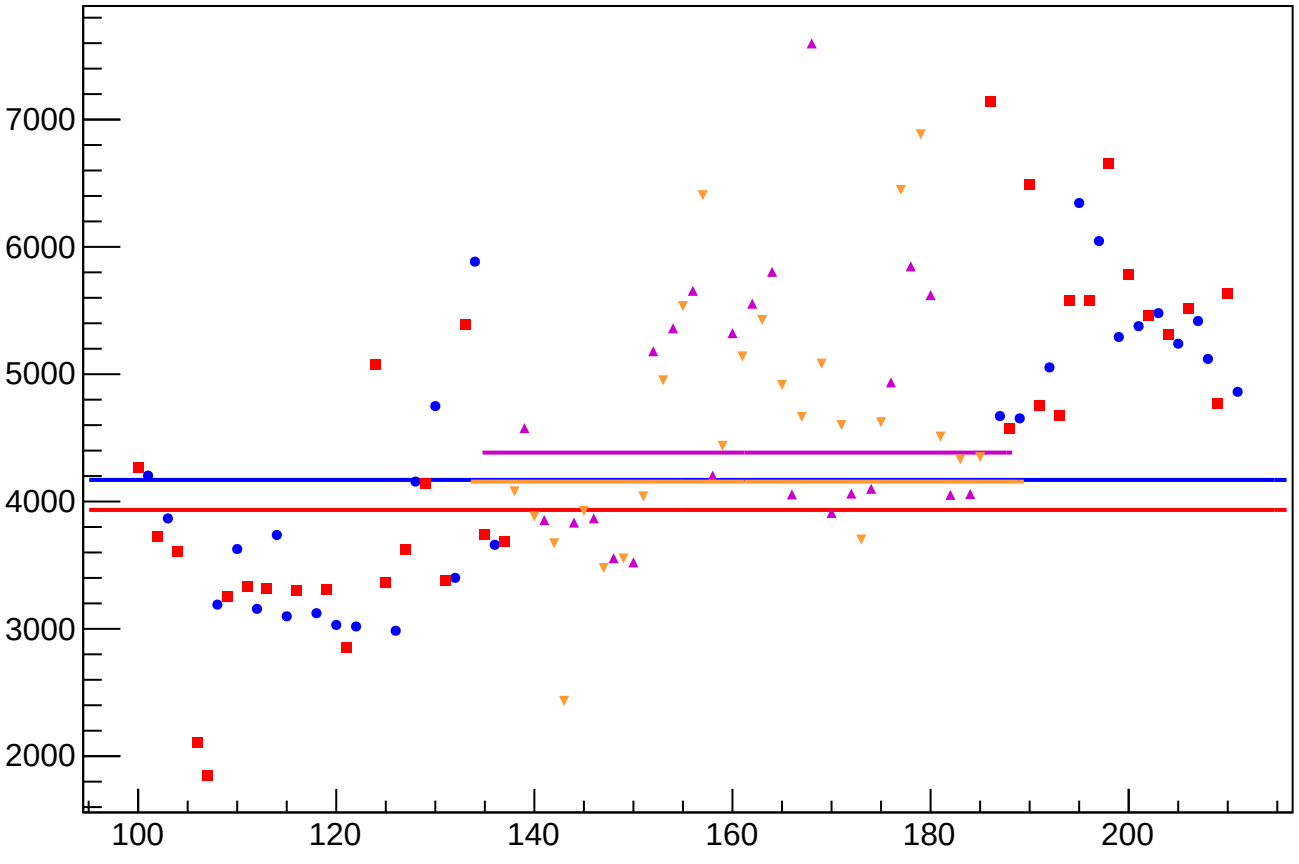
Right Out: -1222.828+/-971.813 χ^2/NDF: 36.2/32

Left In: -159.452+/-1045.510 χ^2/NDF:13.8/22

\+ sign -37.200+/-716.848 χ^2/NDF: 57.1/52

All: -386.013+/-505.095 χ^2/NDF: 108.1/108

\- sign -729.936+/-711.804 χ^2/NDF: 50.5/55



Right In: 4169.835+/-0.746 χ^2/NDF: 1818523.2/27

Left Out: 4156.582+/-0.691 χ^2/NDF:2080766.1/24

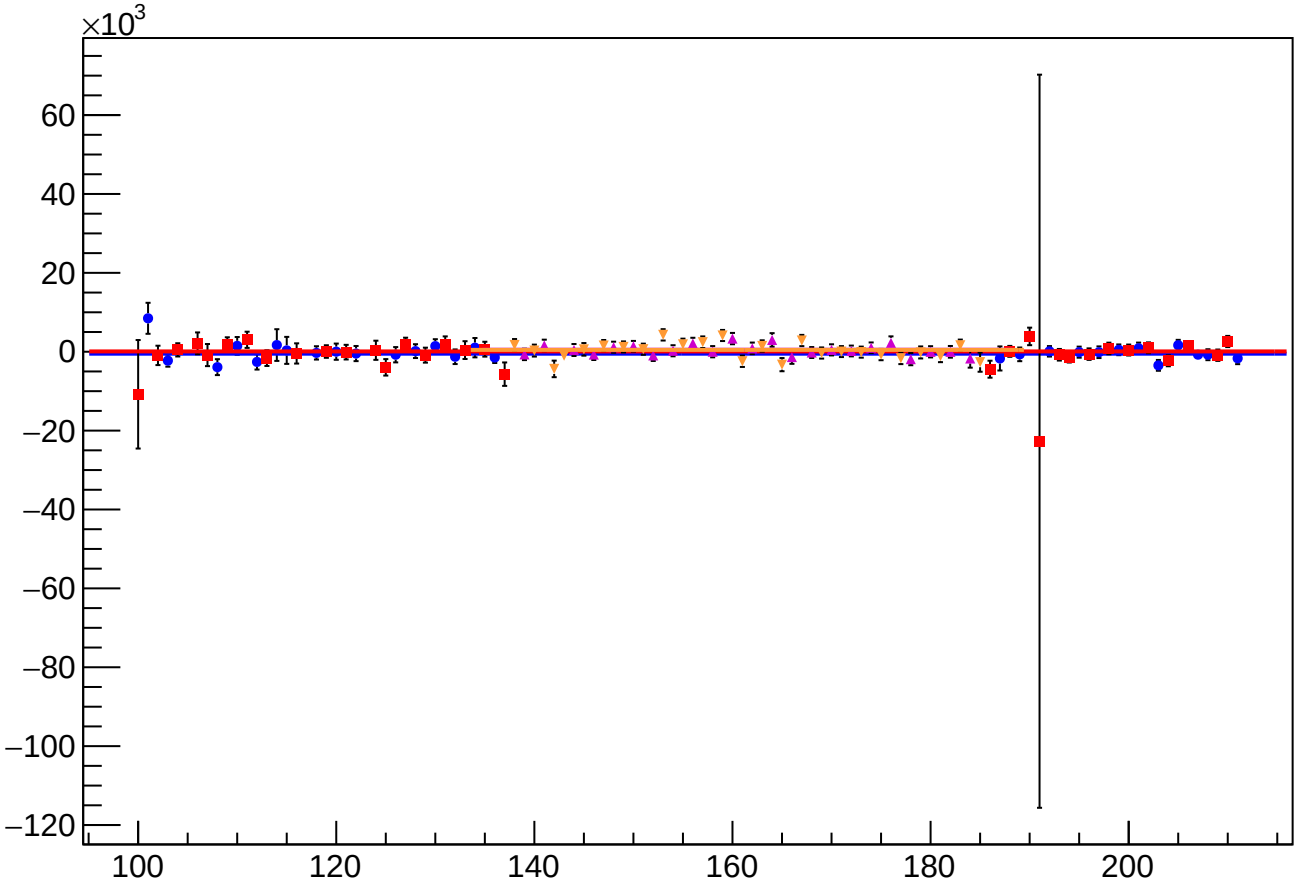
Right Out: 3934.090+/-0.687 χ^2/NDF: 3271126.2/32

Left In: 4384.323+/-0.739 χ^2/NDF:1255470.8/22

+ sign 4162.703+/-0.507 χ^2/NDF: 3899459.3/52

All: 4152.671+/-0.357 χ^2/NDF: 8625811.9/10

- sign 4142.780+/-0.503 χ^2/NDF: 4725574.8/55



Right In: -494.201+/-320.342 χ^2/NDF: 23.9/27

Left Out: 467.933+/-294.257 χ^2/NDF:44.1/24

Right Out: 78.987+/-310.702 χ^2/NDF: 32.7/32

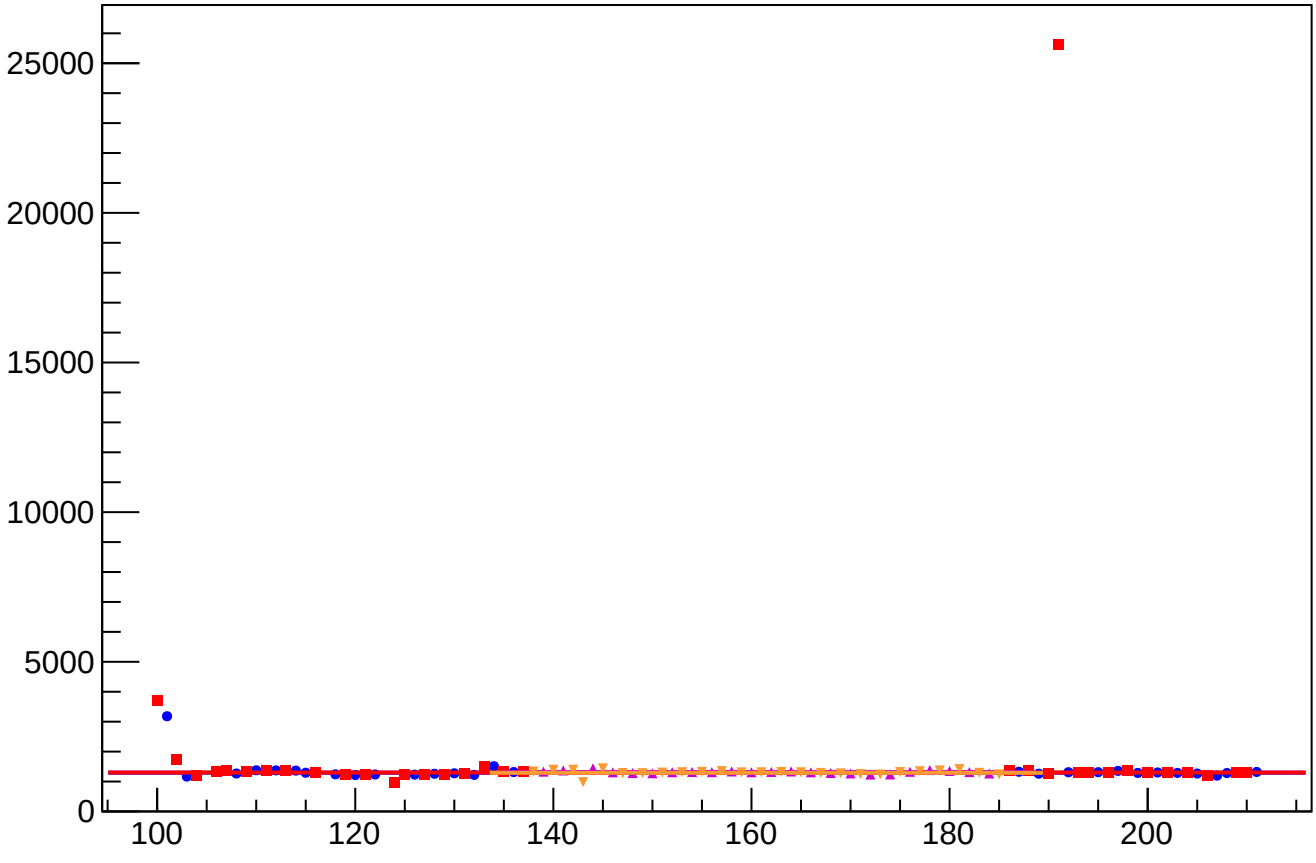
Left In: 503.558+/-307.056 χ^2/NDF:17.4/22

+ sign 27.627+/-216.707 χ^2/NDF: 72.9/52

All: 159.668+/-153.830 χ^2/NDF: 124.7/108

- sign 293.779+/-218.399 χ^2/NDF: 51.0/55

eigen_dit_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1295.148+/-0.227 χ^2/NDF: 529543.4/27

Left Out: 1291.212+/-0.208 χ^2/NDF:230737.6/24

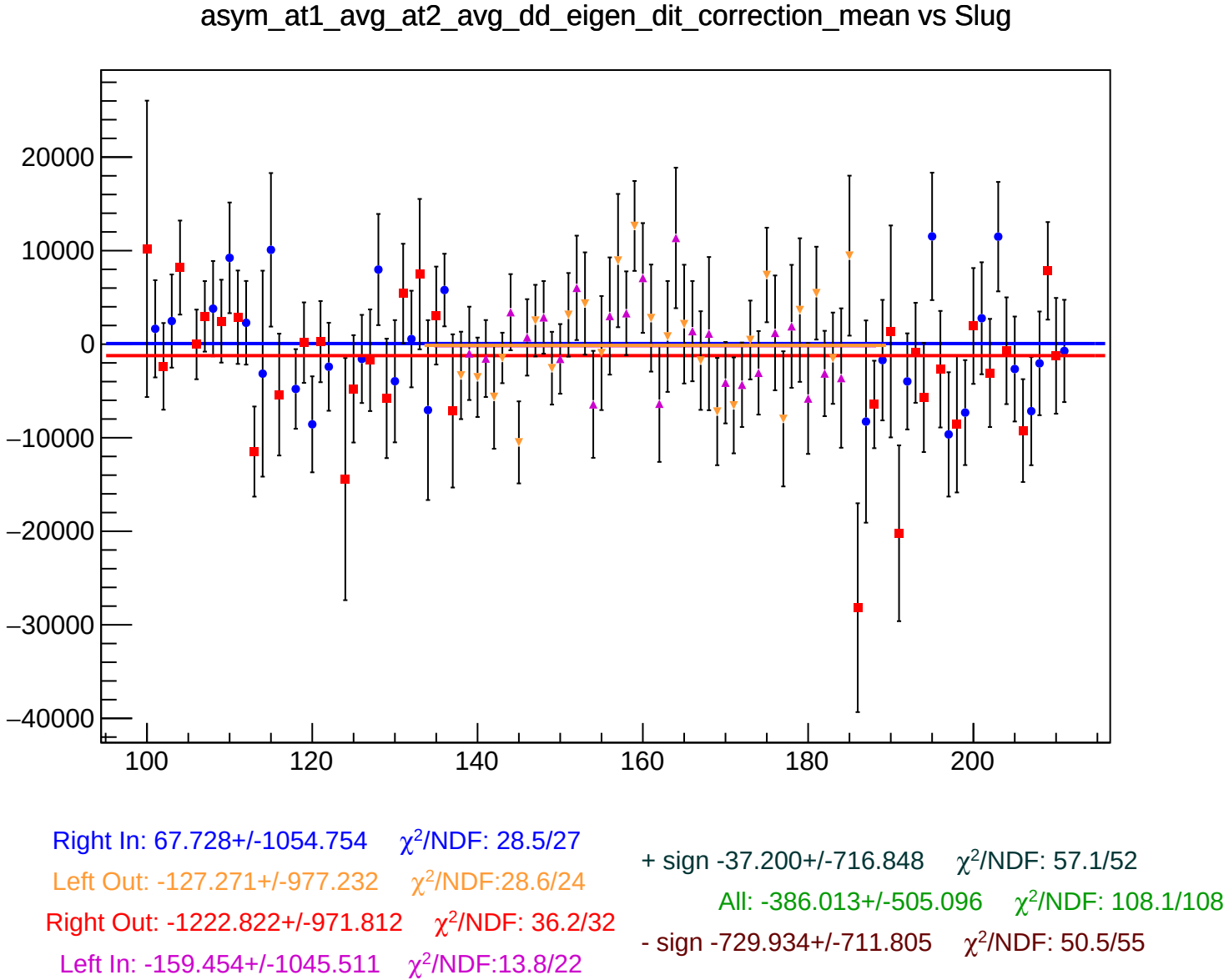
Right Out: 1300.541+/-0.220 χ^2/NDF: 378271.2/32

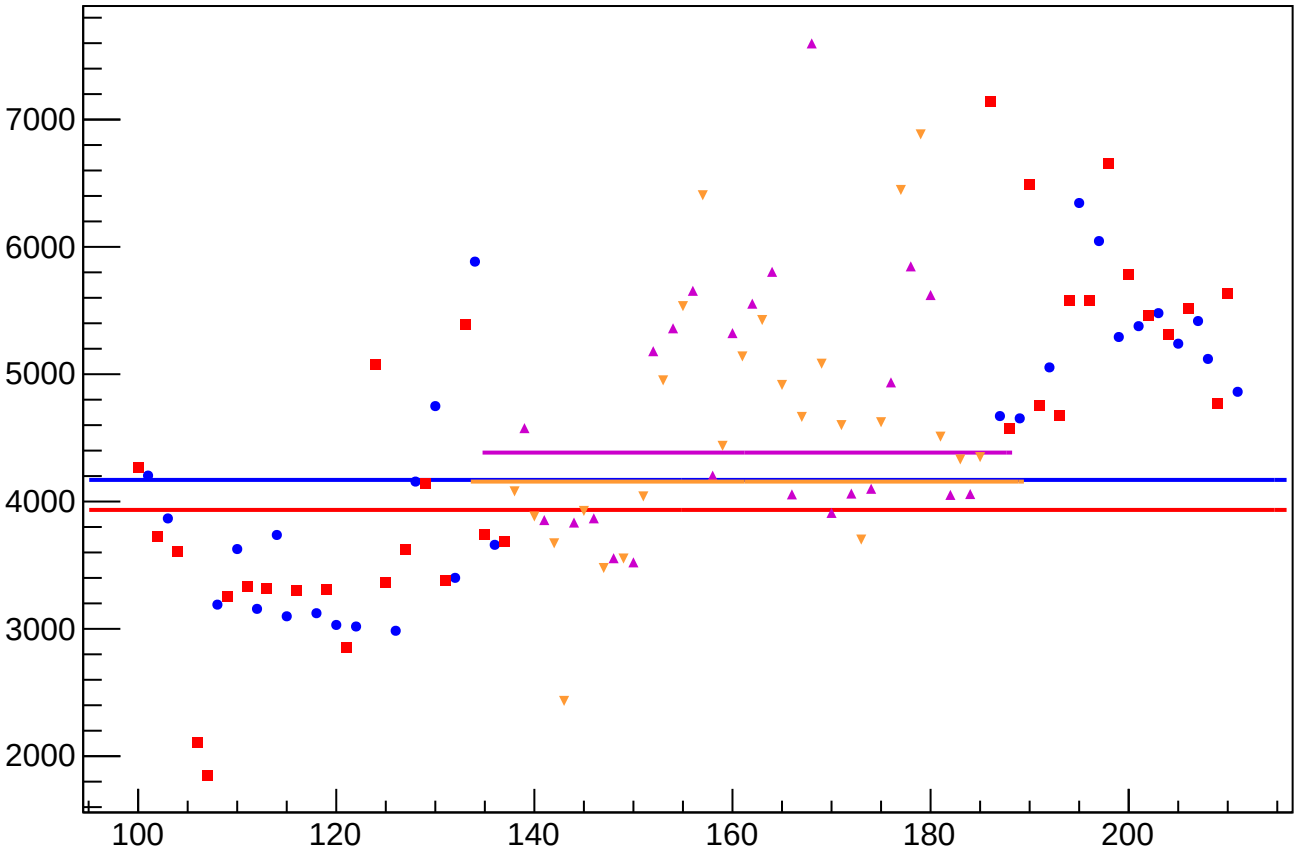
Left In: 1314.007+/-0.217 χ^2/NDF:43046.8/22

+ sign 1293.013+/-0.153 χ^2/NDF: 760444.8/52

All: 1300.128+/-0.109 χ^2/NDF: 1188008.2/10

- sign 1307.351+/-0.154 χ^2/NDF: 423219.3/55


asym_at1_avg_at2_avg_dd_eigen_dit_correction_mean vs Slug
20000
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
Right In: 67.728+/-1054.754 χ²/NDF: 28.5/27
Left Out: -127.271+/-977.232 χ²/NDF:28.6/24
Right Out: -1222.822+/-971.812 χ²/NDF: 36.2/32
Left In: -159.454+/-1045.511 χ²/NDF:13.8/22
+ sign -37.200+/-716.848 χ²/NDF: 57.1/52
All: -386.013+/-505.096 χ²/NDF: 108.1/108
- sign -729.934+/-711.805 χ²/NDF: 50.5/55



Right In: 4169.829+/-0.746 χ^2/NDF: 1818556.6/27

Left Out: 4156.588+/-0.691 χ^2/NDF:2080769.0/24

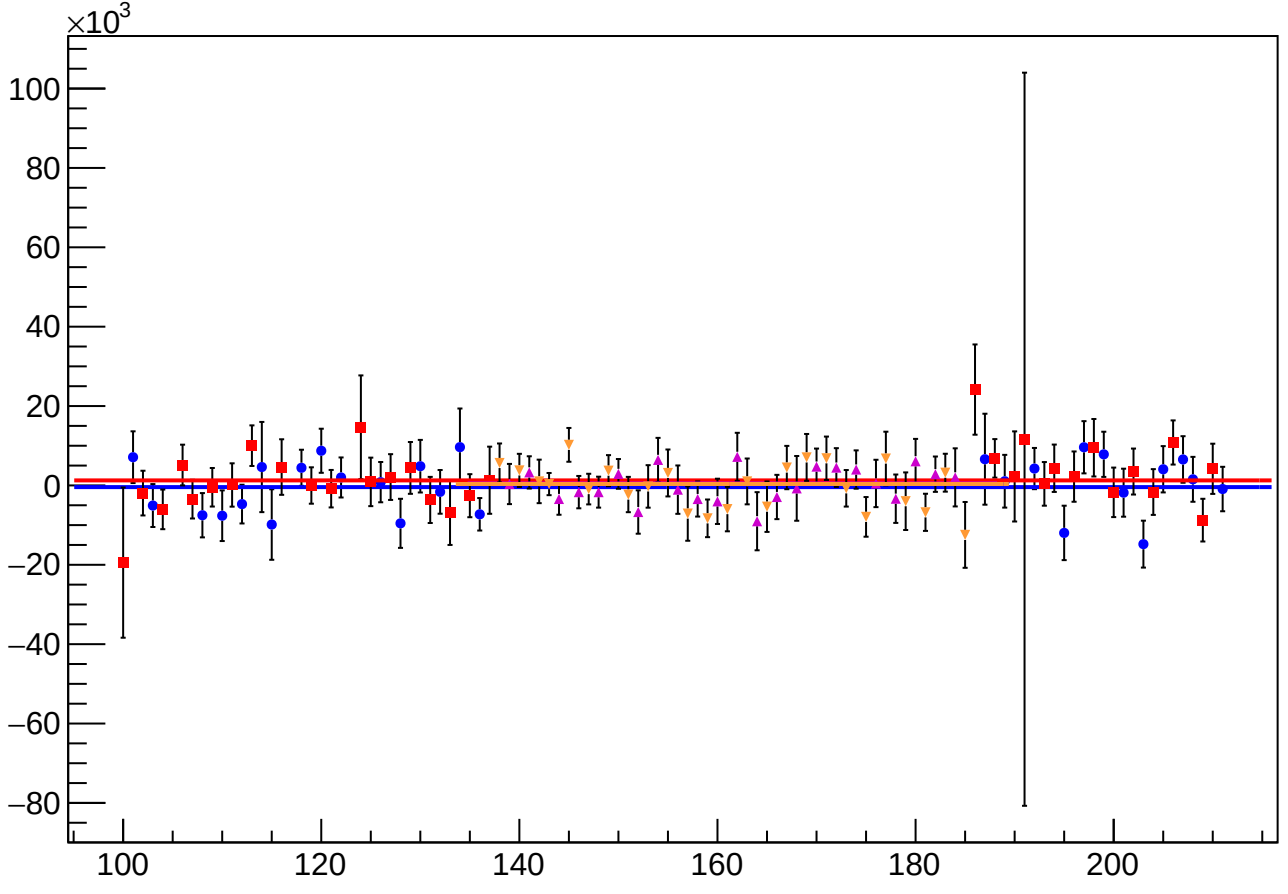
Right Out: 3934.084+/-0.687 χ^2/NDF: 3271158.9/32

Left In: 4384.329+/-0.739 χ^2/NDF:1255475.0/22

+ sign 4162.704+/-0.507 χ^2/NDF: 3899495.2/52

All: 4152.672+/-0.357 χ^2/NDF: 8625896.0/10

- sign 4142.780+/-0.503 χ^2/NDF: 4725622.8/55



Right In: -423.478+/-1112.469 χ^2/NDF: 34.6/27

Left Out: 362.528+/-979.860 χ^2/NDF:27.7/24

Right Out: 1265.657+/-1053.627 χ^2/NDF: 26.5/32

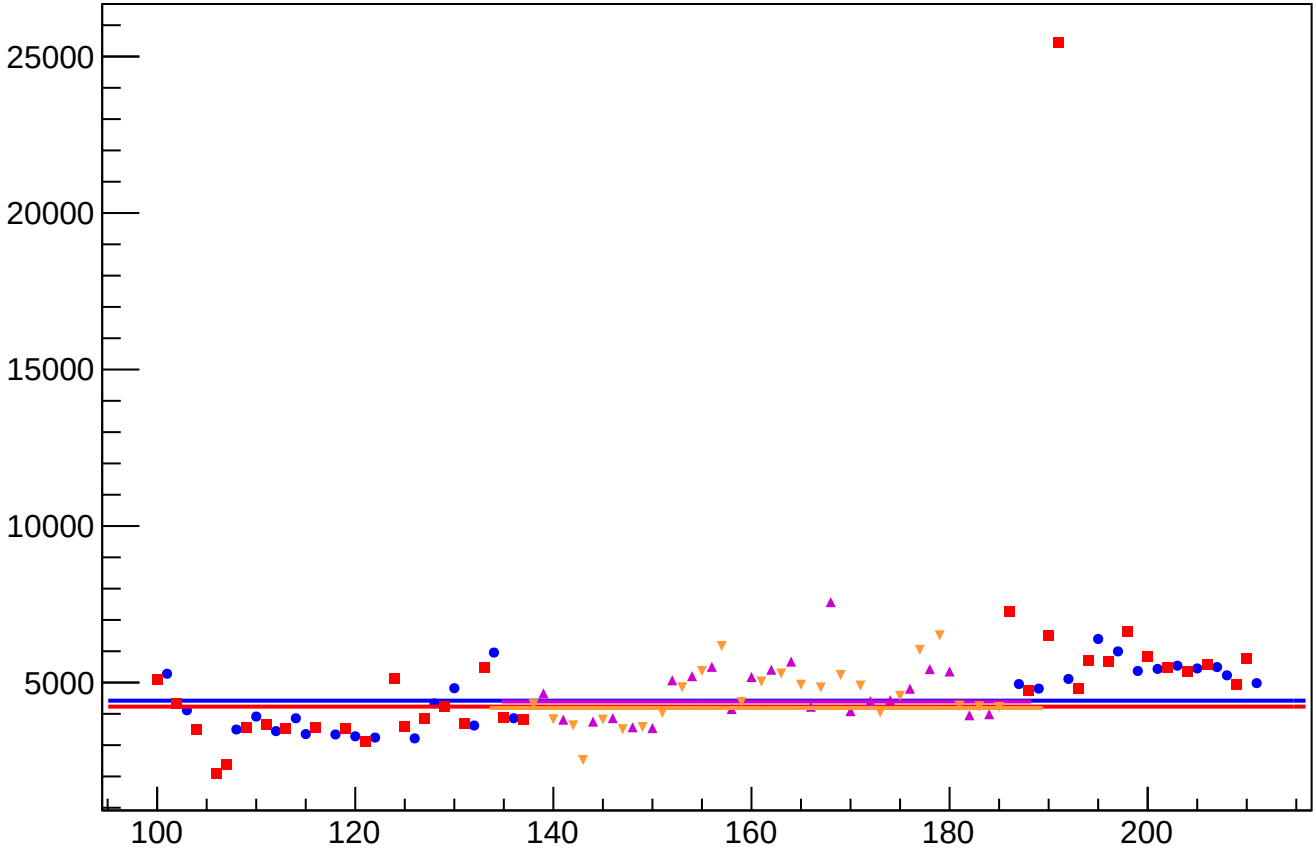
Left In: 497.522+/-1044.707 χ^2/NDF:13.9/22

+ sign 19.141+/-735.303 χ^2/NDF: 62.5/52

All: 444.923+/-522.238 χ^2/NDF: 103.8/108

- sign 878.324+/-741.853 χ^2/NDF: 40.7/55

asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 4421.544+/-0.787 χ^2/NDF: 1476776.7/27

Left Out: 4187.848+/-0.693 χ^2/NDF:1796345.9/24

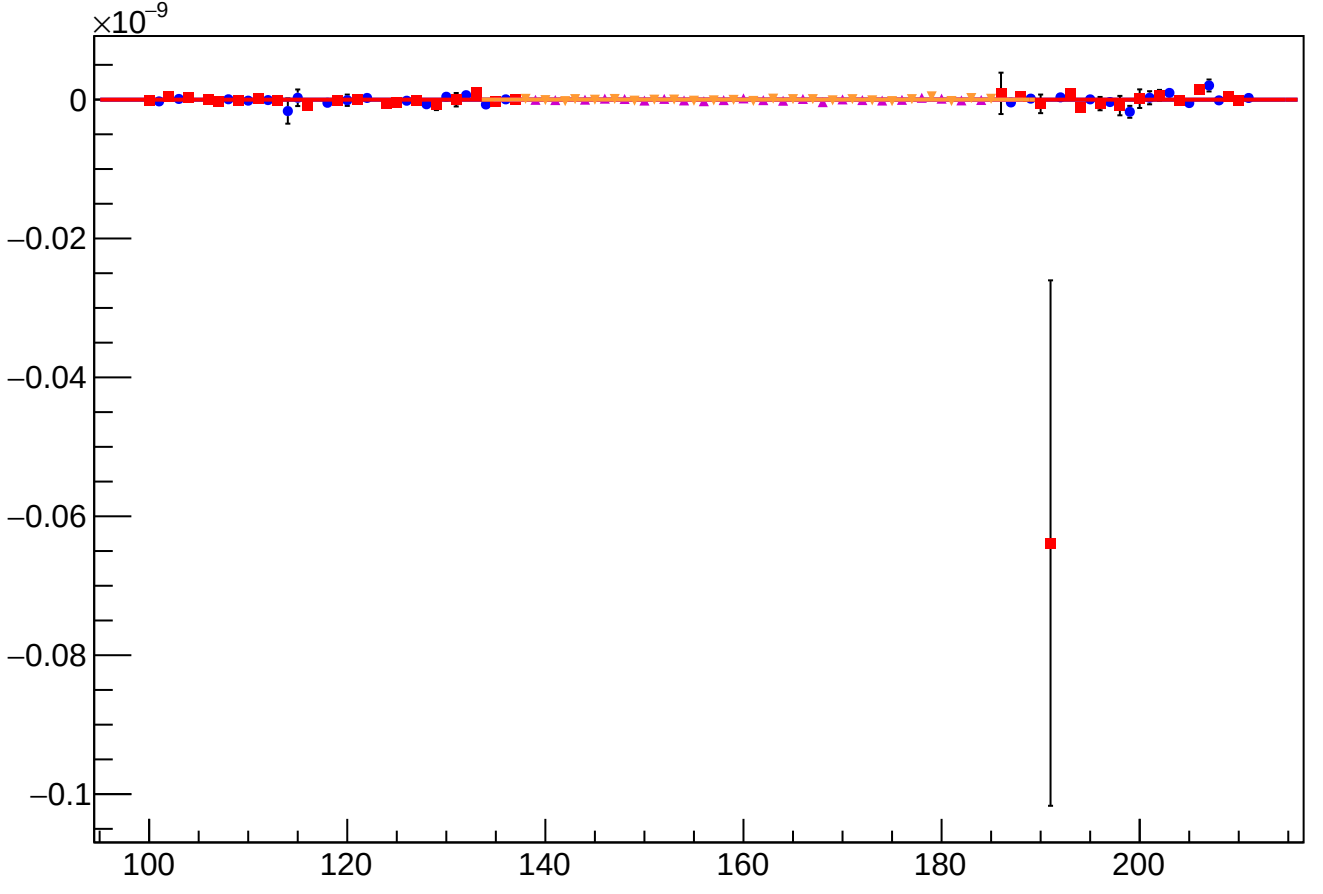
Right Out: 4230.980+/-0.739 χ^2/NDF: 2610927.4/32

Left In: 4394.324+/-0.739 χ^2/NDF:1088394.9/22

+ sign 4289.945+/-0.520 χ^2/NDF: 3322823.5/52

All: 4301.243+/-0.368 χ^2/NDF: 7047543.0/10

- sign 4312.646+/-0.522 χ^2/NDF: 3723770.7/55



Right In: -0.000+/-0.000 χ^2/NDF: 34.8/27

Left Out: -0.000+/-0.000 χ^2/NDF:30.5/24

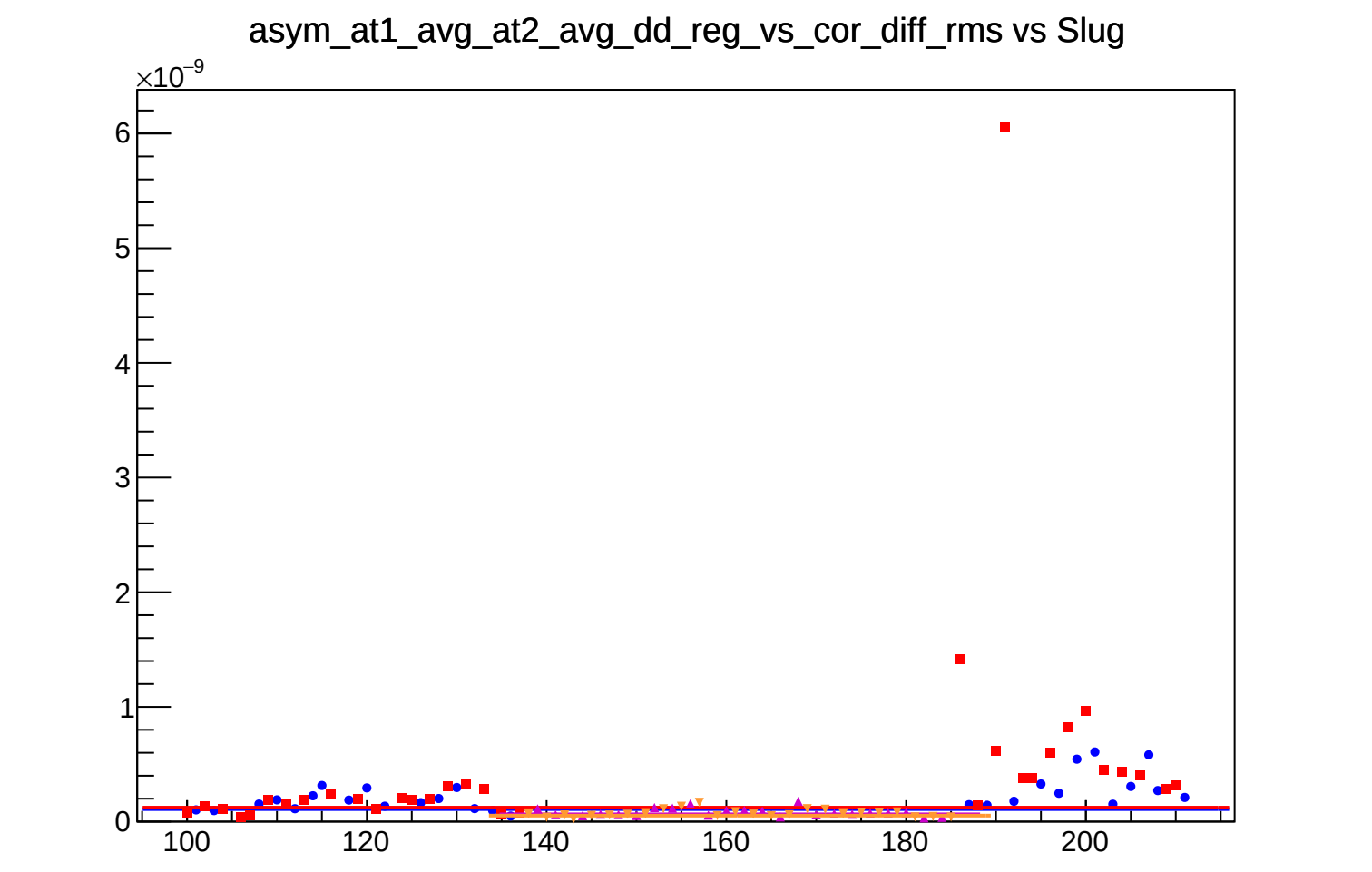
Right Out: -0.000+/-0.000 χ^2/NDF: 34.0/32

Left In: -0.000+/-0.000 χ^2/NDF:17.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 65.3/52

All: -0.000+/-0.000 χ^2/NDF: 116.5/108

- sign -0.000+/-0.000 χ^2/NDF: 51.0/55



Right In: 0.000+/-0.000 χ^2/NDF: 4440393.0/27

Left Out: 0.000+/-0.000 χ^2/NDF:2628519.8/24

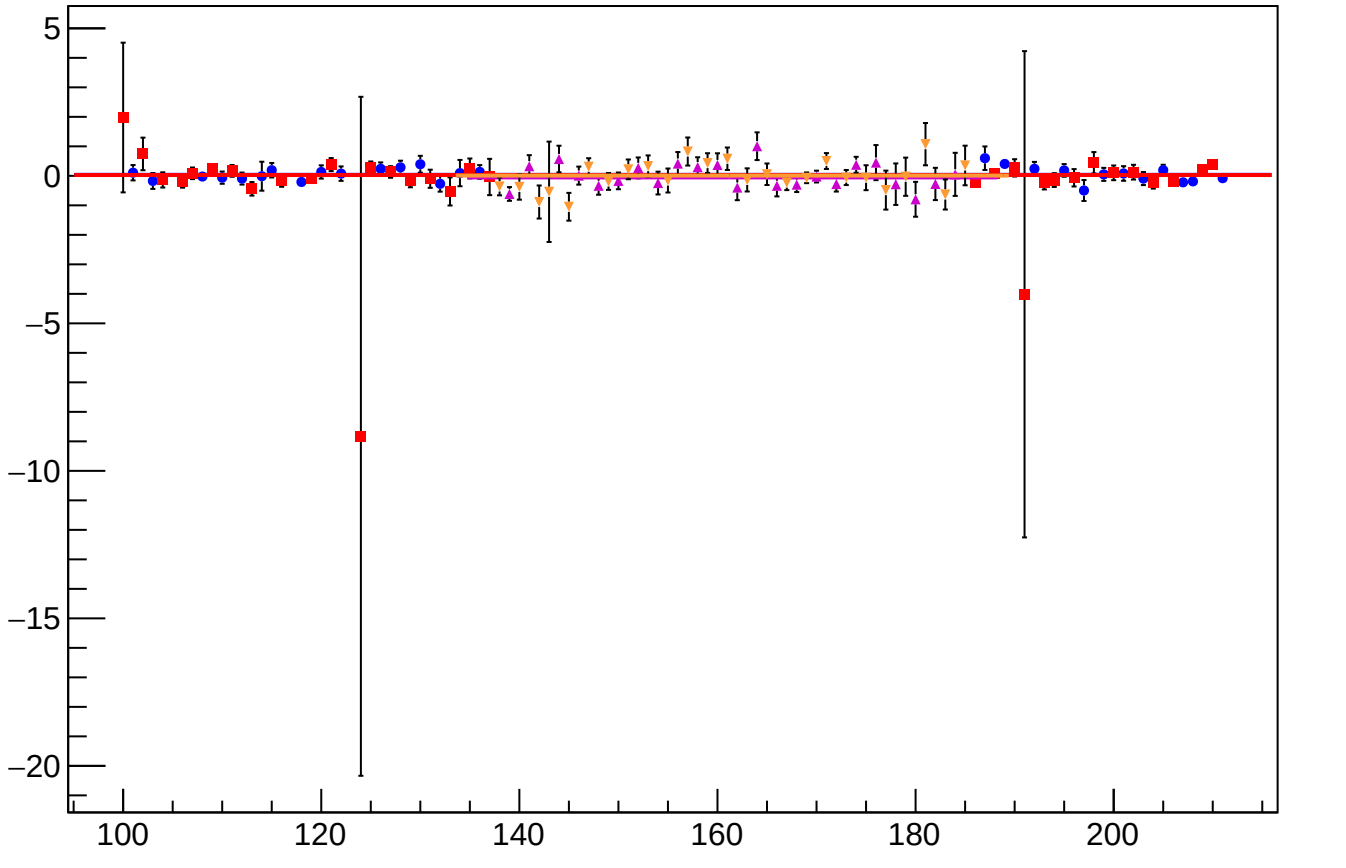
Right Out: 0.000+/-0.000 χ^2/NDF: 6903744.1/32

Left In: 0.000+/-0.000 χ^2/NDF:1788279.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 8911867.4/52

All: 0.000+/-0.000 χ^2/NDF: 19502618.3/108

- sign 0.000+/-0.000 χ^2/NDF: 10291343.2/55



Right In: 0.034+/-0.041 χ^2/NDF: 27.2/27

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: 0.028+/-0.037 χ^2/NDF: 39.8/32

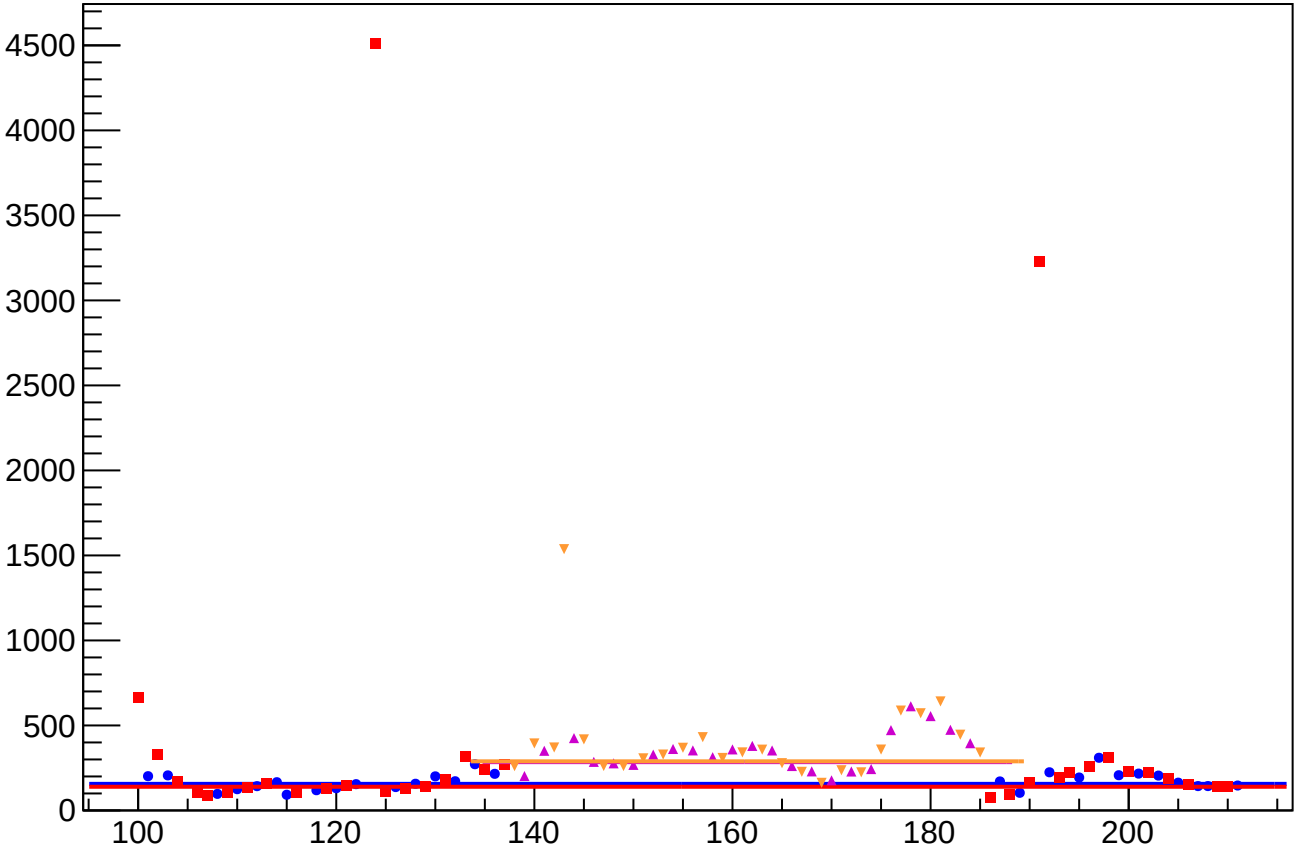
Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.028+/-0.035 χ^2/NDF: 56.2/52

All: 0.019+/-0.024 χ^2/NDF: 125.0/108

- sign 0.011+/-0.032 χ^2/NDF: 68.6/55

asym_at1_avg_at2_avg_dd_dit_vs_cor_diff_rms vs Slug



Right In: 156.412+/-0.029 χ^2/NDF: 2259628.0/27

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

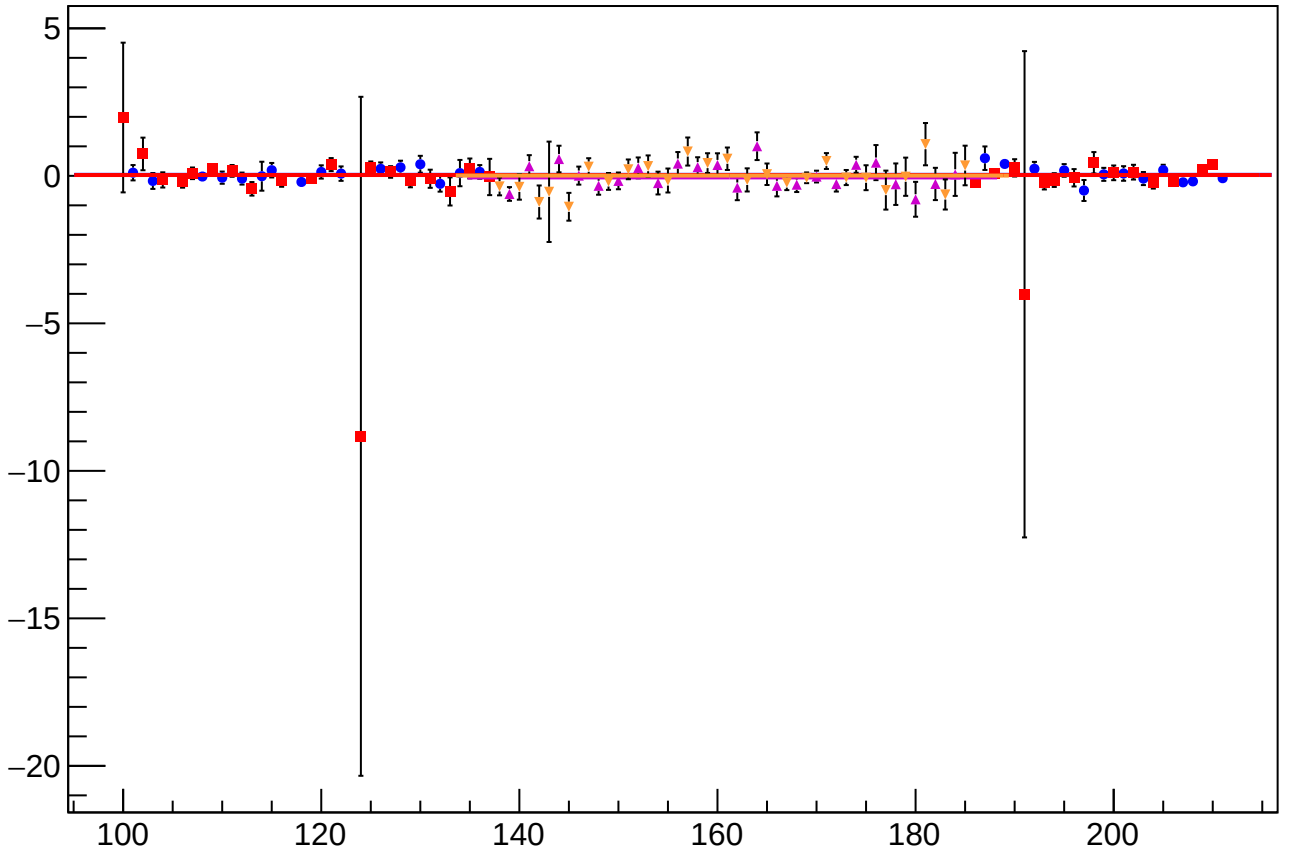
Right Out: 139.371+/-0.026 χ^2/NDF: 4675066.3/32

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

+ sign 189.126+/-0.025 χ^2/NDF: 12151654.7/52

All: 178.796+/-0.017 χ^2/NDF: 26885972.5/10

- sign 170.076+/-0.023 χ^2/NDF: 14418235.8/55



Right In: 0.034+/-0.041 χ^2/NDF: 27.2/27

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

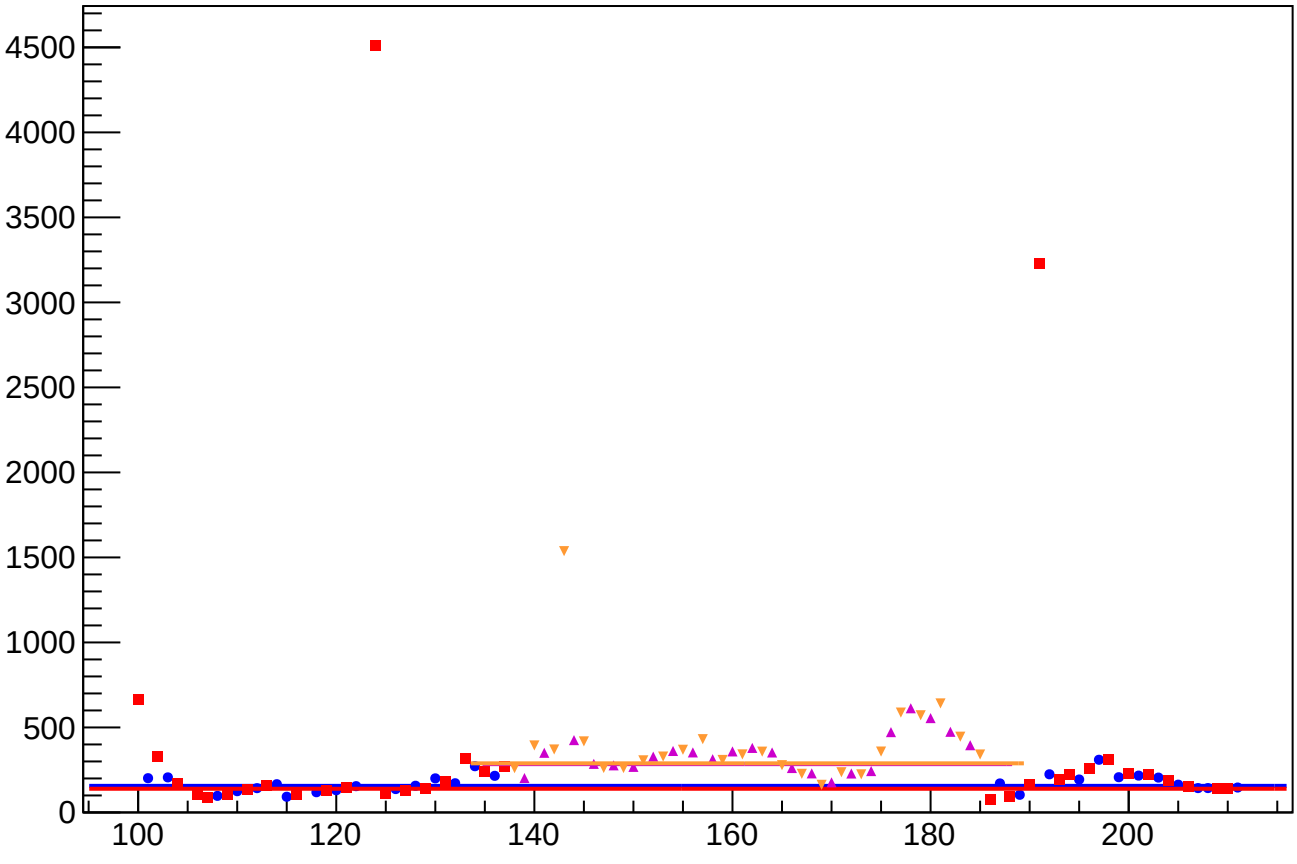
Right Out: 0.028+/-0.037 χ^2/NDF: 39.8/32

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.028+/-0.035 χ^2/NDF: 56.2/52

All: 0.019+/-0.024 χ^2/NDF: 125.0/108

- sign 0.011+/-0.032 χ^2/NDF: 68.6/55



Right In: 156.412+/-0.029 χ^2/NDF: 2259628.0/27

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

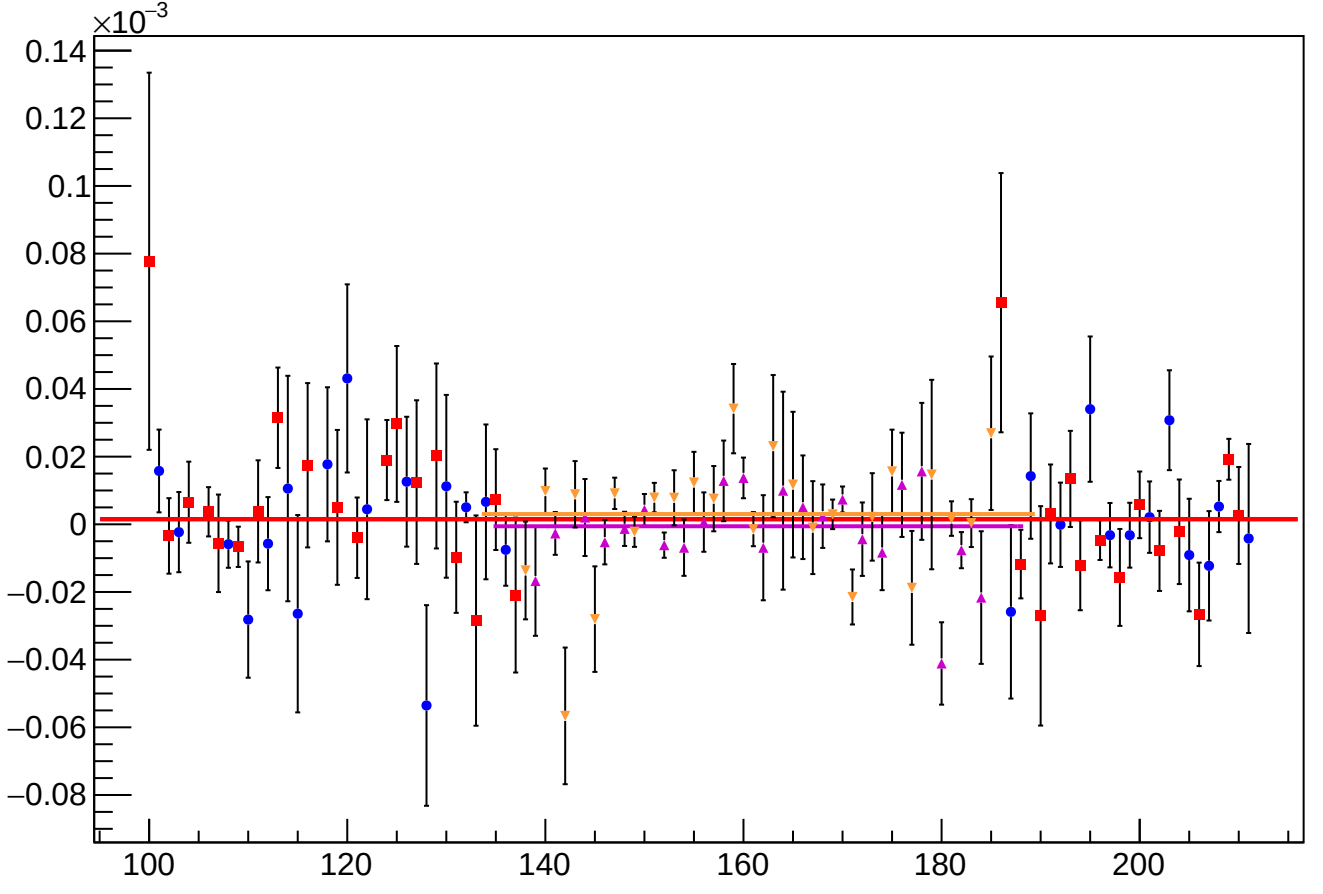
Right Out: 139.371+/-0.026 χ^2/NDF: 4675066.3/32

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

+ sign 189.126+/-0.025 χ^2/NDF: 12151654.7/52

All: 178.796+/-0.017 χ^2/NDF: 26885972.5/10

- sign 170.076+/-0.023 χ^2/NDF: 14418235.8/55



Right In: 0.000+/-0.000 χ^2/NDF: 24.7/27

Left Out: 0.000+/-0.000 χ^2/NDF:42.2/24

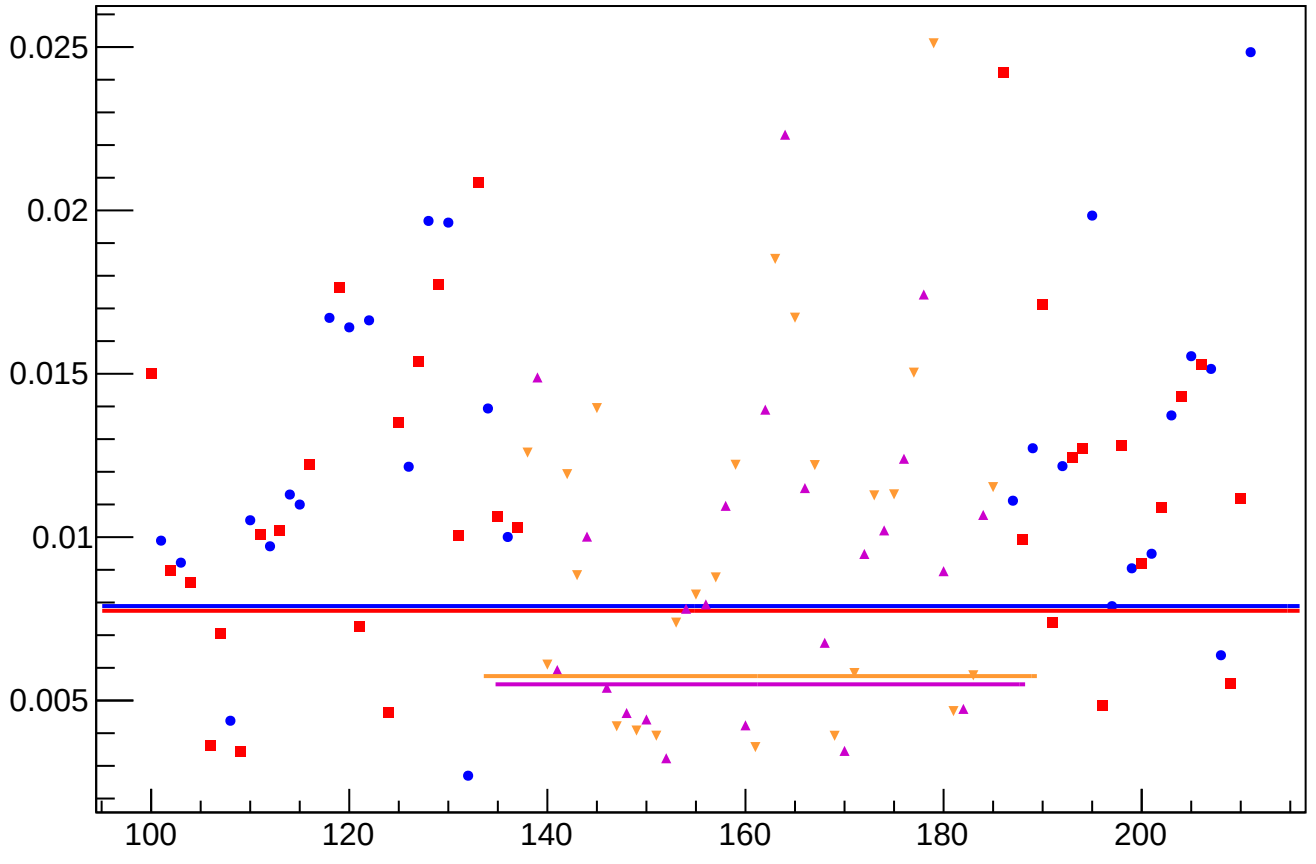
Right Out: 0.000+/-0.000 χ^2/NDF: 38.5/32

Left In: -0.000+/-0.000 χ^2/NDF:33.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 67.2/52

All: 0.000+/-0.000 χ^2/NDF: 141.5/108

- sign 0.000+/-0.000 χ^2/NDF: 72.4/55



Right In: 0.008+/-0.000 χ^2/NDF: 8228884.2/27

Left Out: 0.006+/-0.000 χ^2/NDF:8128513.8/24

Right Out: 0.008+/-0.000 χ^2/NDF: 6826417.1/32

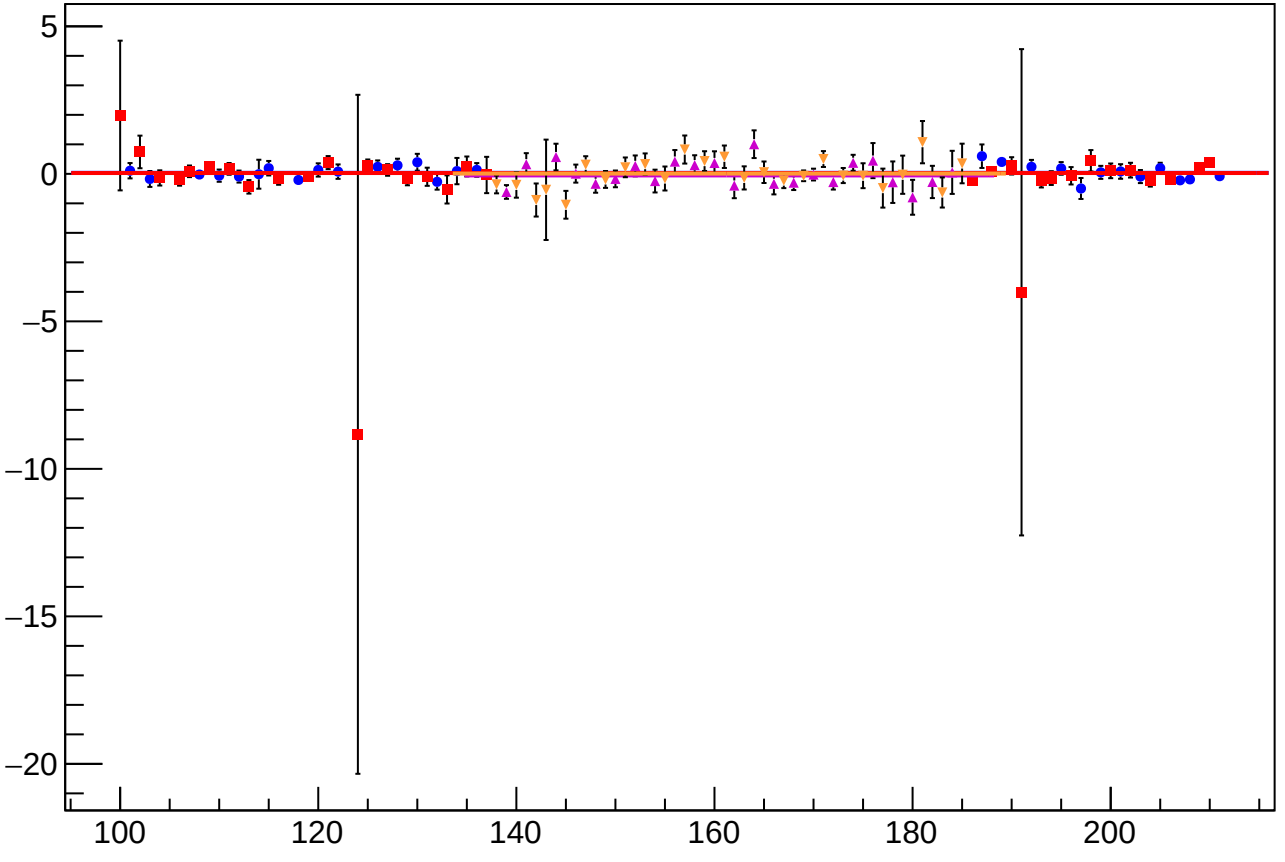
Left In: 0.005+/-0.000 χ^2/NDF:6937299.0/22

+ sign 0.006+/-0.000 χ^2/NDF: 17576058.8/52

All: 0.006+/-0.000 χ^2/NDF: 32870249.2/108

- sign 0.006+/-0.000 χ^2/NDF: 15282559.7/55

asym_at1_avg_at2_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.034+/-0.041 χ^2/NDF: 27.2/27

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

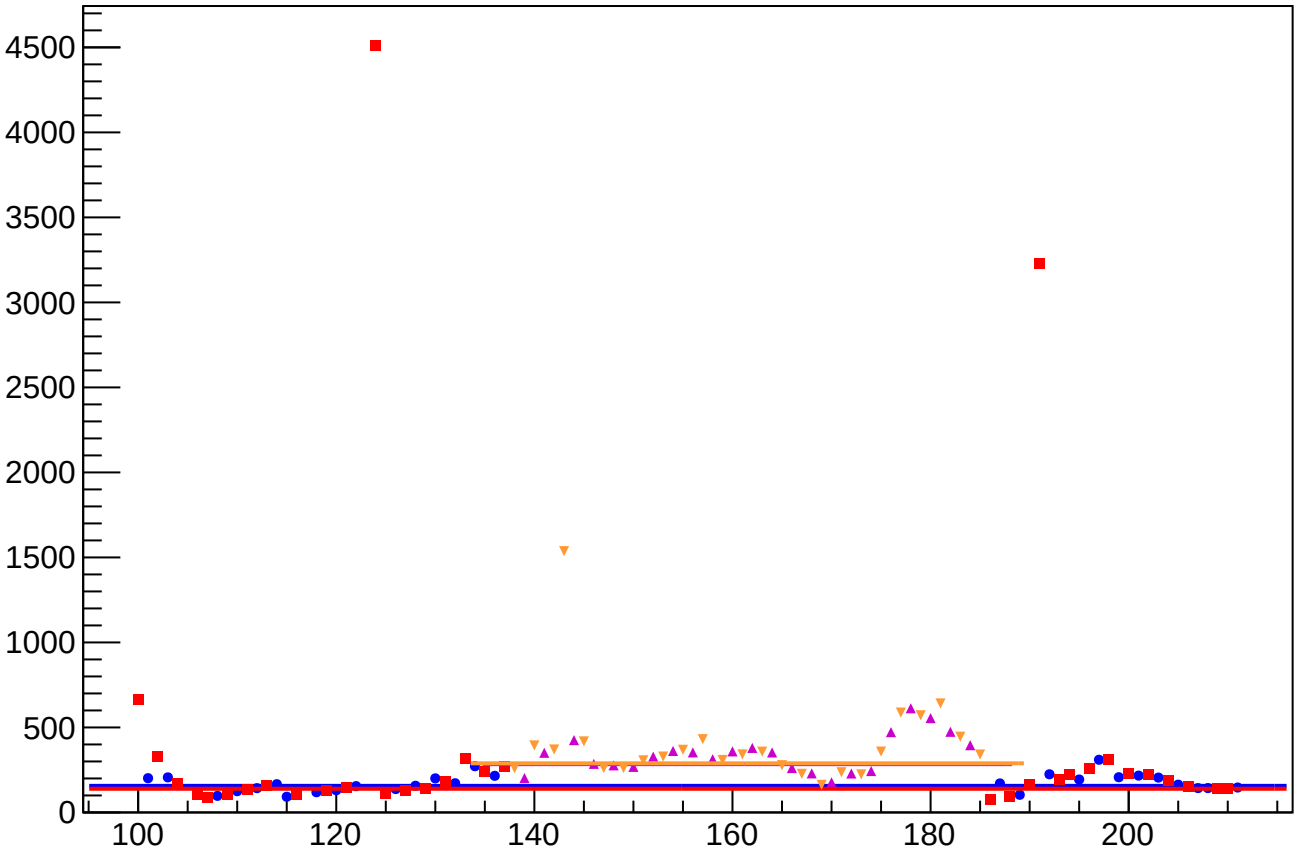
Right Out: 0.028+/-0.037 χ^2/NDF: 39.8/32

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.028+/-0.035 χ^2/NDF: 56.2/52

All: 0.019+/-0.024 χ^2/NDF: 125.0/108

- sign 0.011+/-0.032 χ^2/NDF: 68.6/55



Right In: 156.413+/-0.029 χ^2/NDF: 2259606.2/27

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

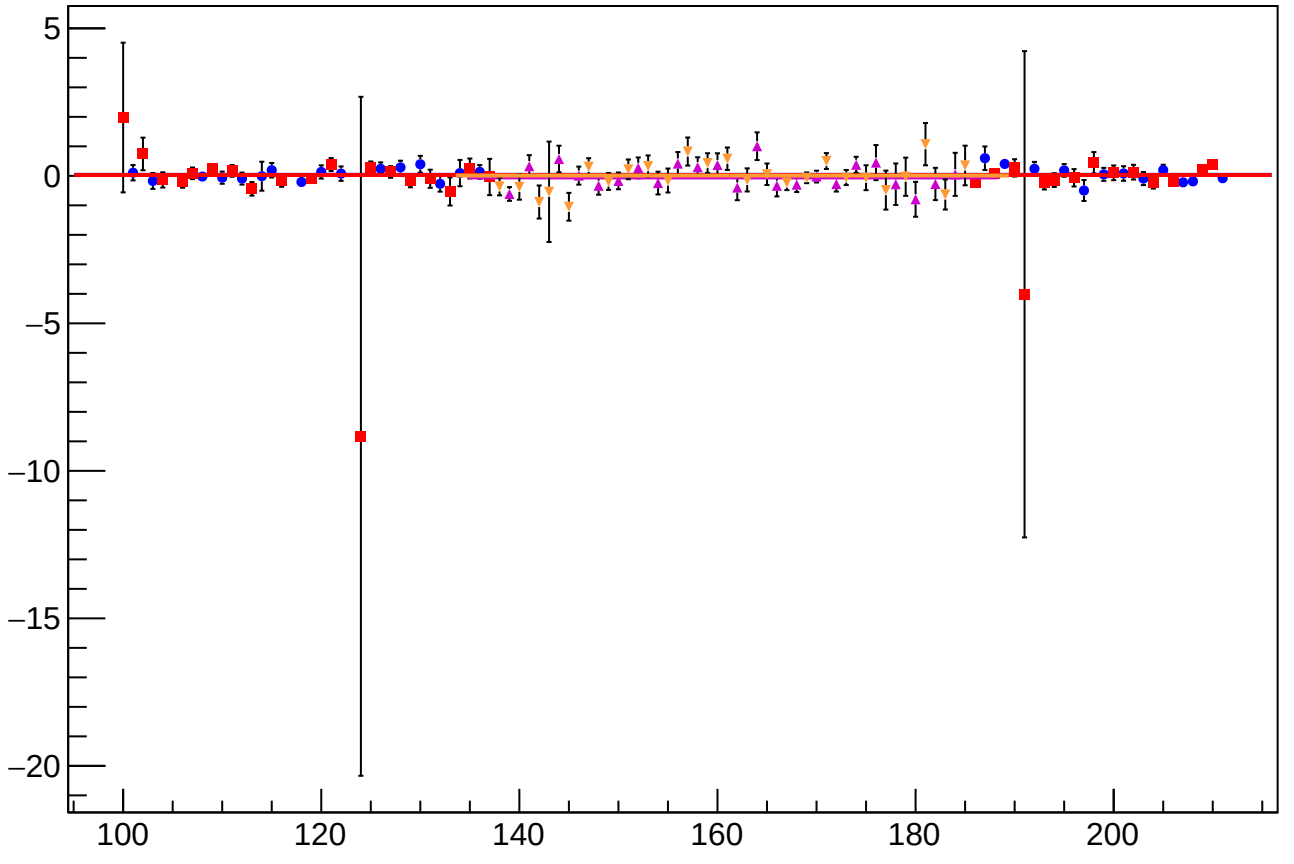
Right Out: 139.373+/-0.026 χ^2/NDF: 4674905.7/32

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

+ sign 189.127+/-0.025 χ^2/NDF: 12151749.8/52

All: 178.797+/-0.017 χ^2/NDF: 26885847.4/10

- sign 170.078+/-0.023 χ^2/NDF: 14418060.8/55



Right In: 0.034+/-0.041 χ^2/NDF: 27.2/27

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

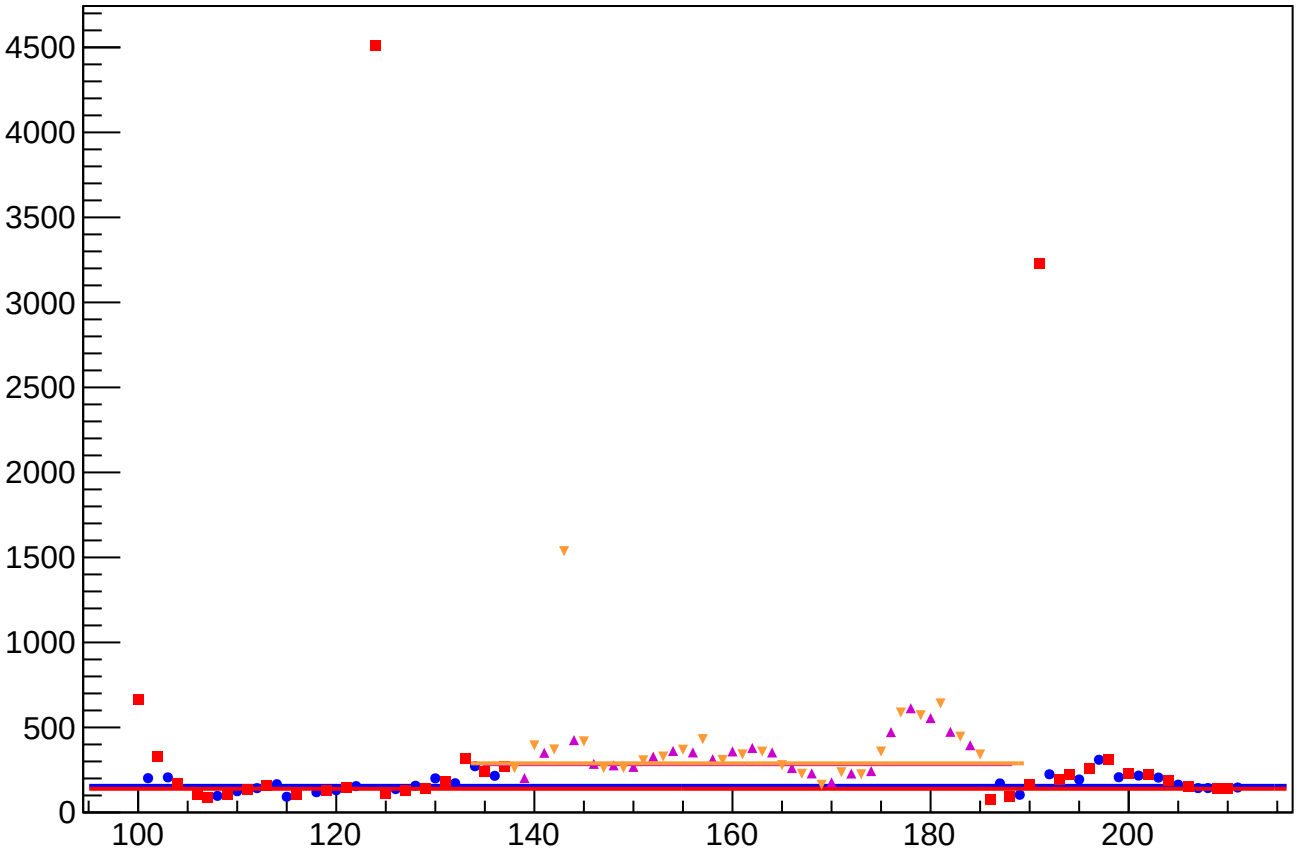
Right Out: 0.028+/-0.037 χ^2/NDF: 39.8/32

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.028+/-0.035 χ^2/NDF: 56.2/52

All: 0.019+/-0.024 χ^2/NDF: 125.0/108

- sign 0.011+/-0.032 χ^2/NDF: 68.6/55



Right In: 156.413+/-0.029 χ^2/NDF: 2259606.2/27

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

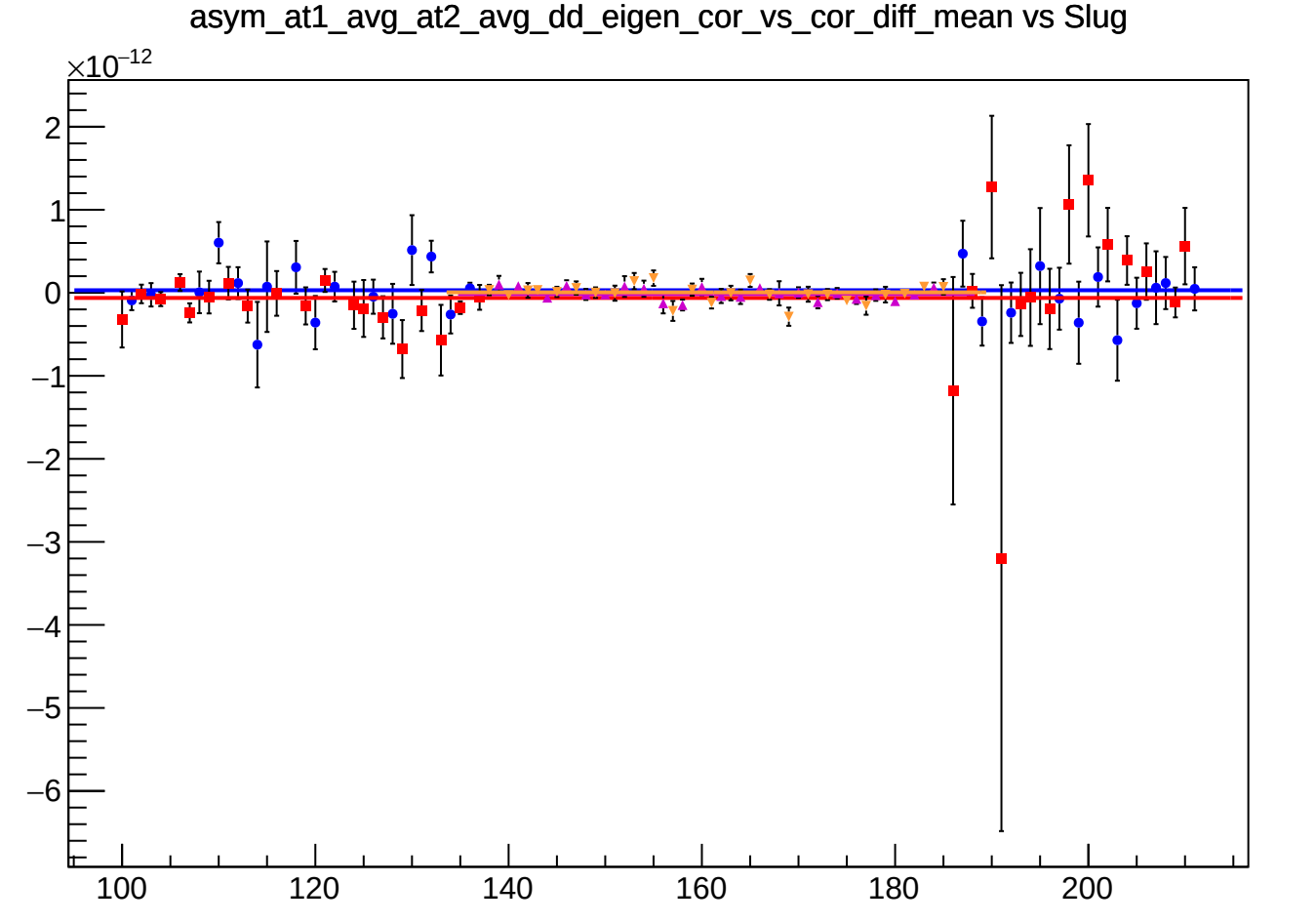
Right Out: 139.373+/-0.026 χ^2/NDF: 4674905.7/32

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

+ sign 189.127+/-0.025 χ^2/NDF: 12151749.8/52

All: 178.797+/-0.017 χ^2/NDF: 26885847.4/10

- sign 170.078+/-0.023 χ^2/NDF: 14418060.8/55



Right In: 0.000+/-0.000 χ^2/NDF: 25.5/27

Left Out: 0.000+/-0.000 χ^2/NDF:34.1/24

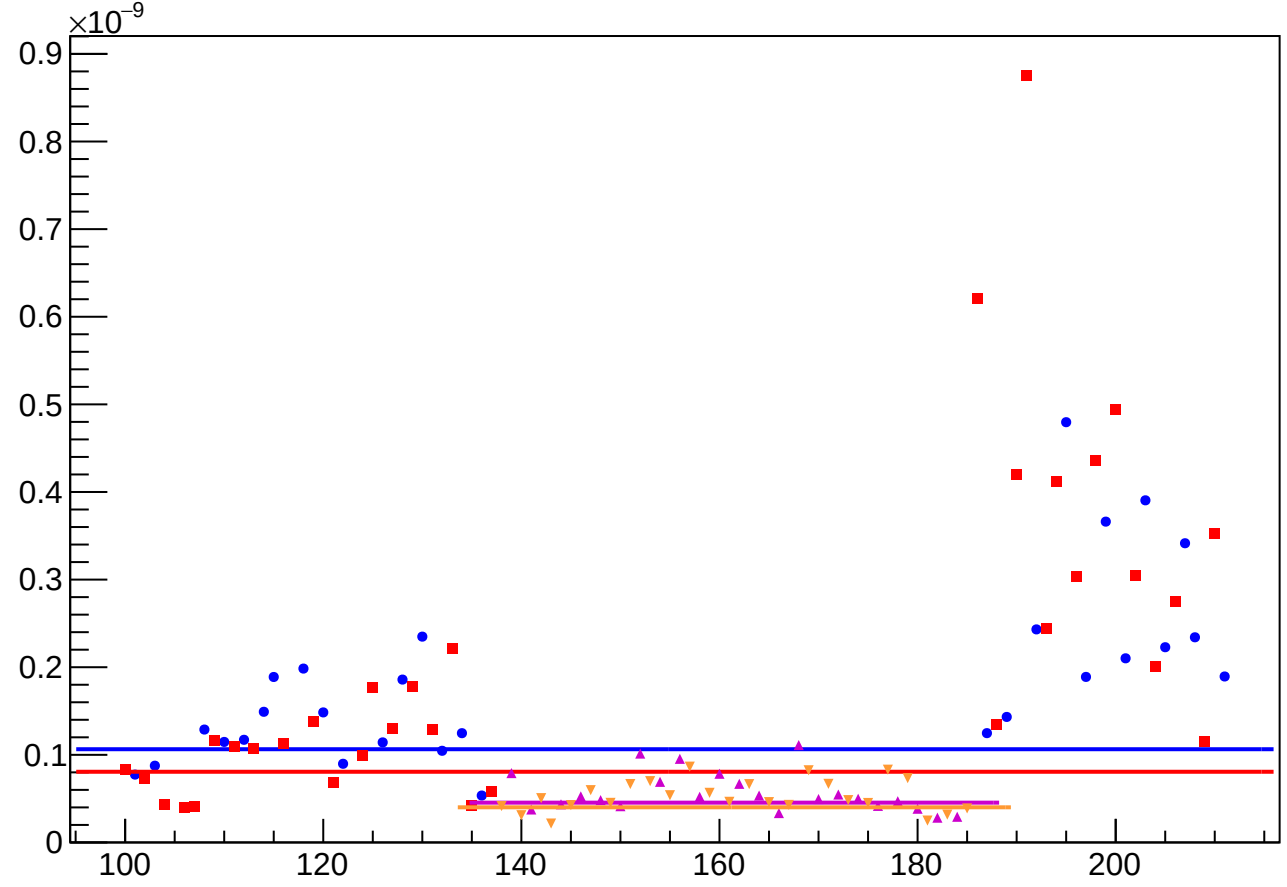
Right Out: -0.000+/-0.000 χ^2/NDF: 37.1/32

Left In: -0.000+/-0.000 χ^2/NDF:23.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 60.0/52

All: -0.000+/-0.000 χ^2/NDF: 125.1/108

- sign -0.000+/-0.000 χ^2/NDF: 62.2/55



Right In: 0.000+/-0.000 χ^2/NDF: 5790765.8/27

Left Out: 0.000+/-0.000 χ^2/NDF:3609934.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8402337.2/32

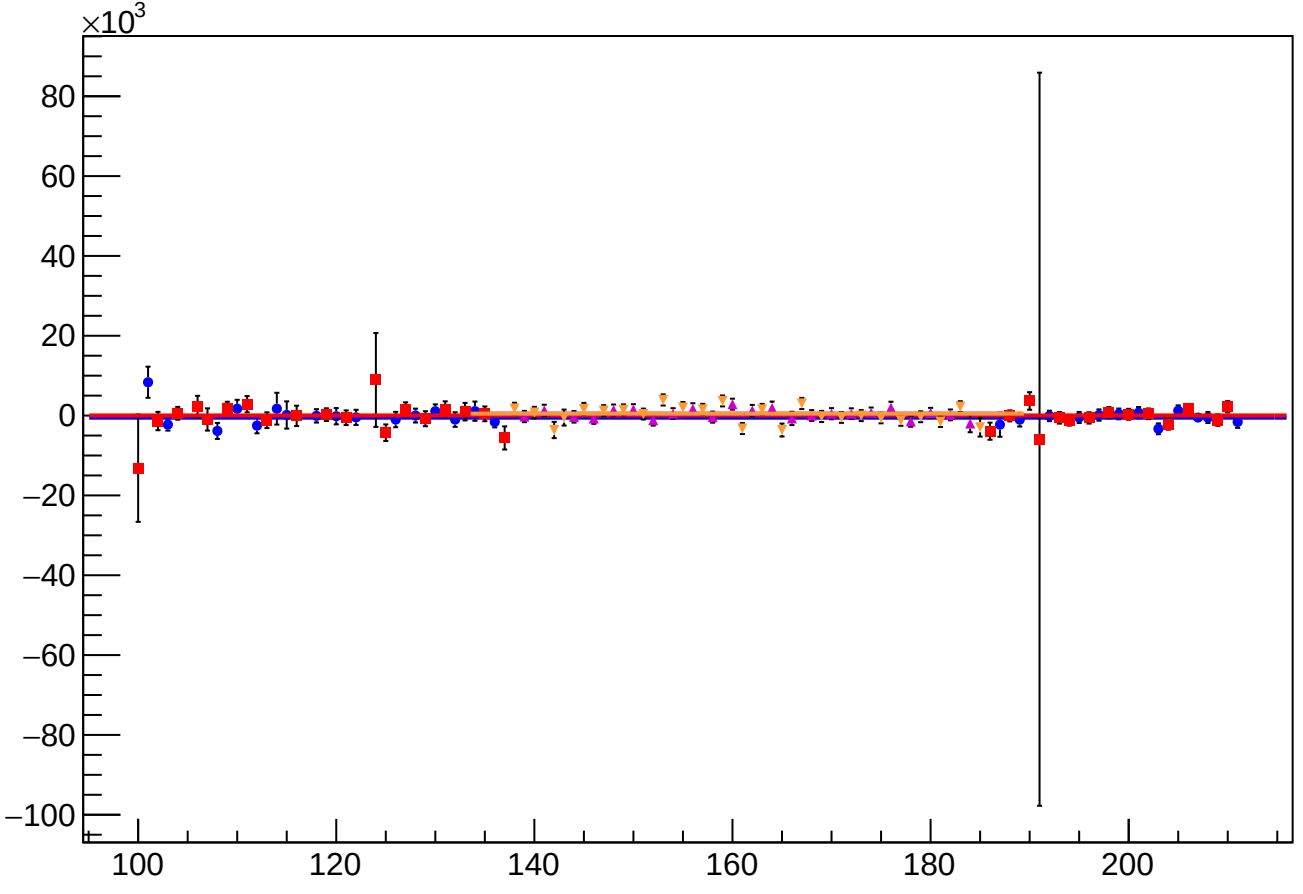
Left In: 0.000+/-0.000 χ^2/NDF:2780344.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 14529045.3/52

All: 0.000+/-0.000 χ^2/NDF: 27893985.3/108

- sign 0.000+/-0.000 χ^2/NDF: 13207014.5/55

reg_asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug



Right In: -529.989+/-316.031 χ^2/NDF: 22.4/27

Left Out: 492.062+/-288.495 χ^2/NDF:46.9/24

Right Out: 37.024+/-308.298 χ^2/NDF: 31.1/32

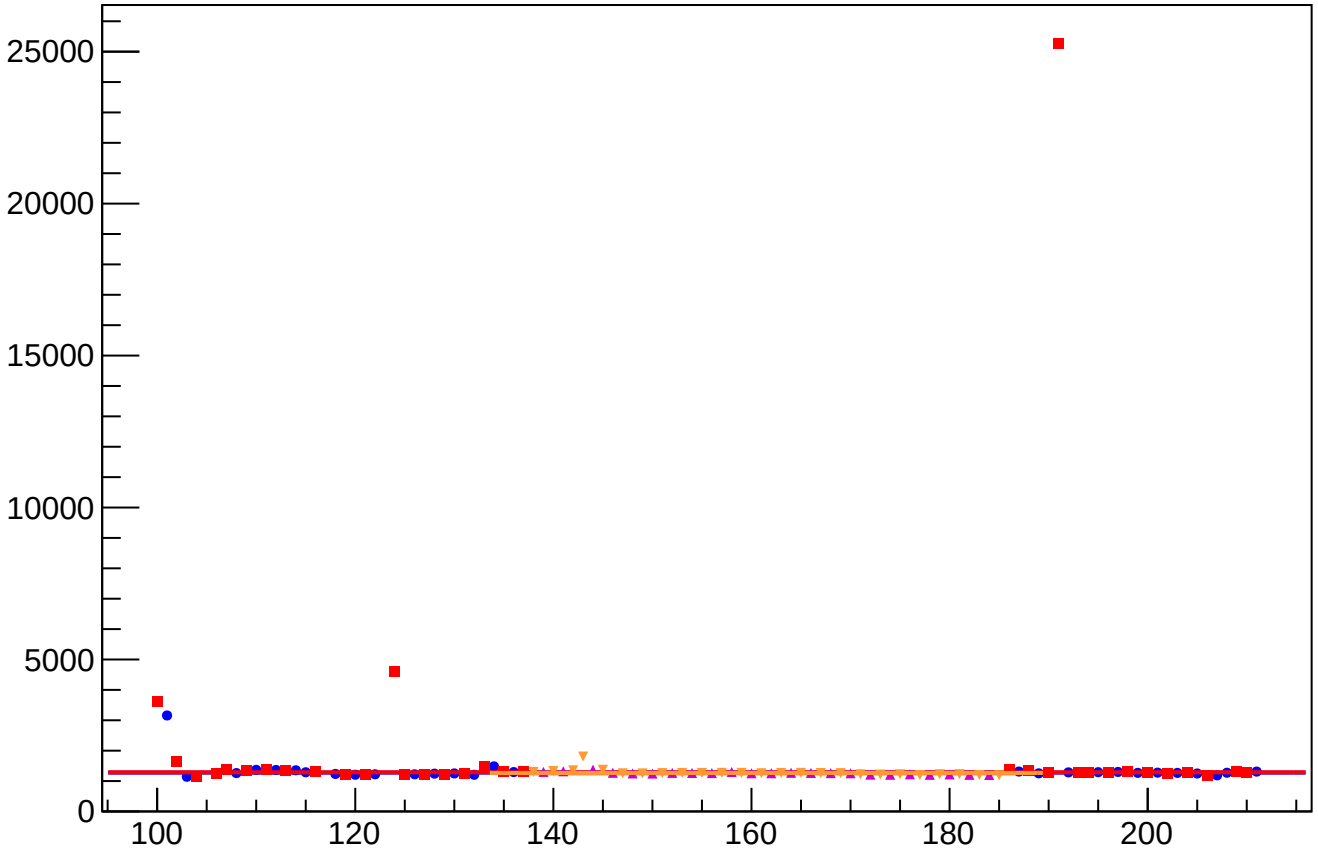
Left In: 486.821+/-293.769 χ^2/NDF:14.4/22

+ sign 27.494+/-213.068 χ^2/NDF: 75.0/52

All: 150.358+/-150.523 χ^2/NDF: 122.4/108

- sign 272.771+/-212.677 χ^2/NDF: 46.7/55

reg_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 1277.847+/-0.223 χ^2/NDF: 529453.2/27

Left Out: 1266.967+/-0.204 χ^2/NDF:187545.6/24

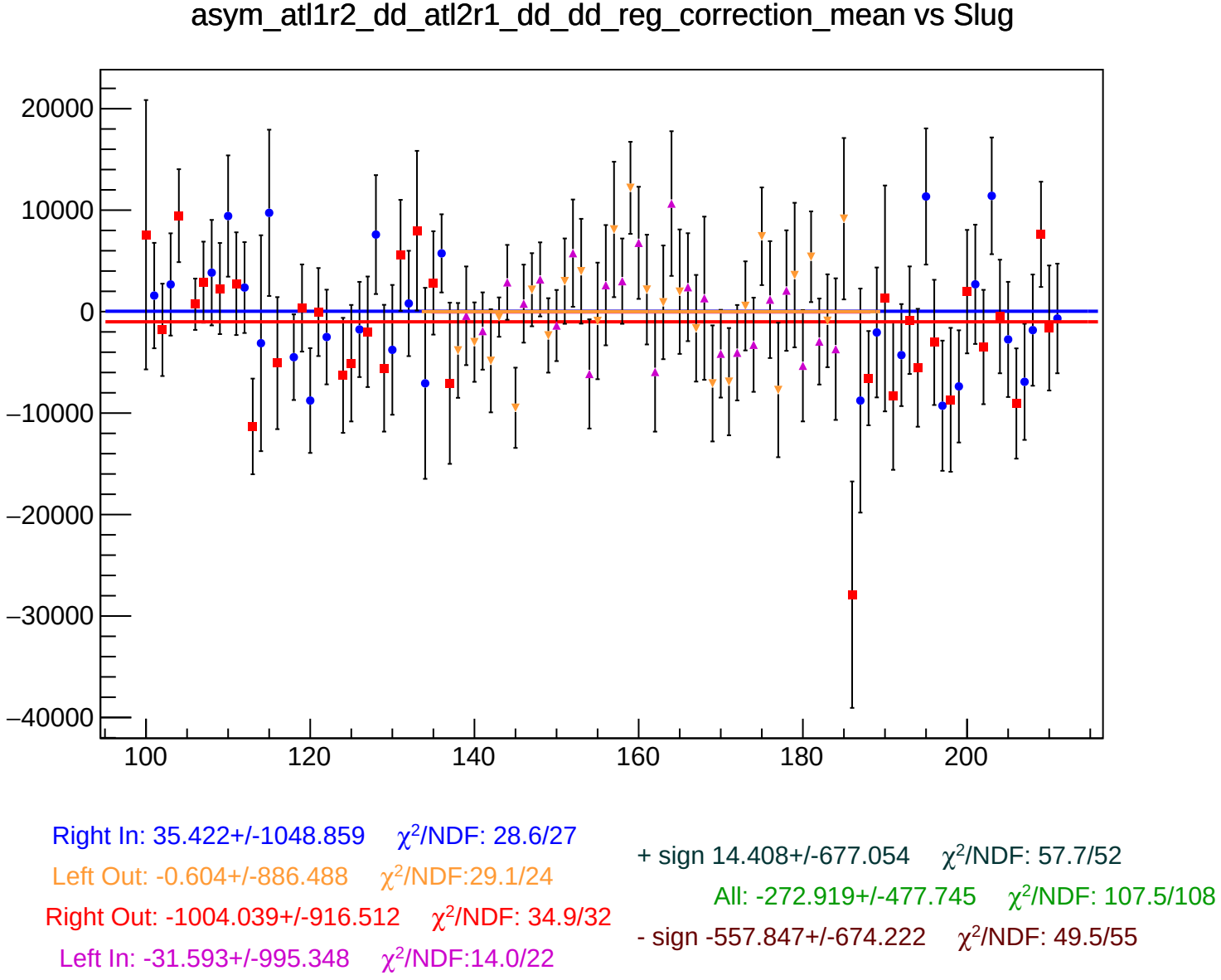
Right Out: 1288.715+/-0.218 χ^2/NDF: 482663.4/32

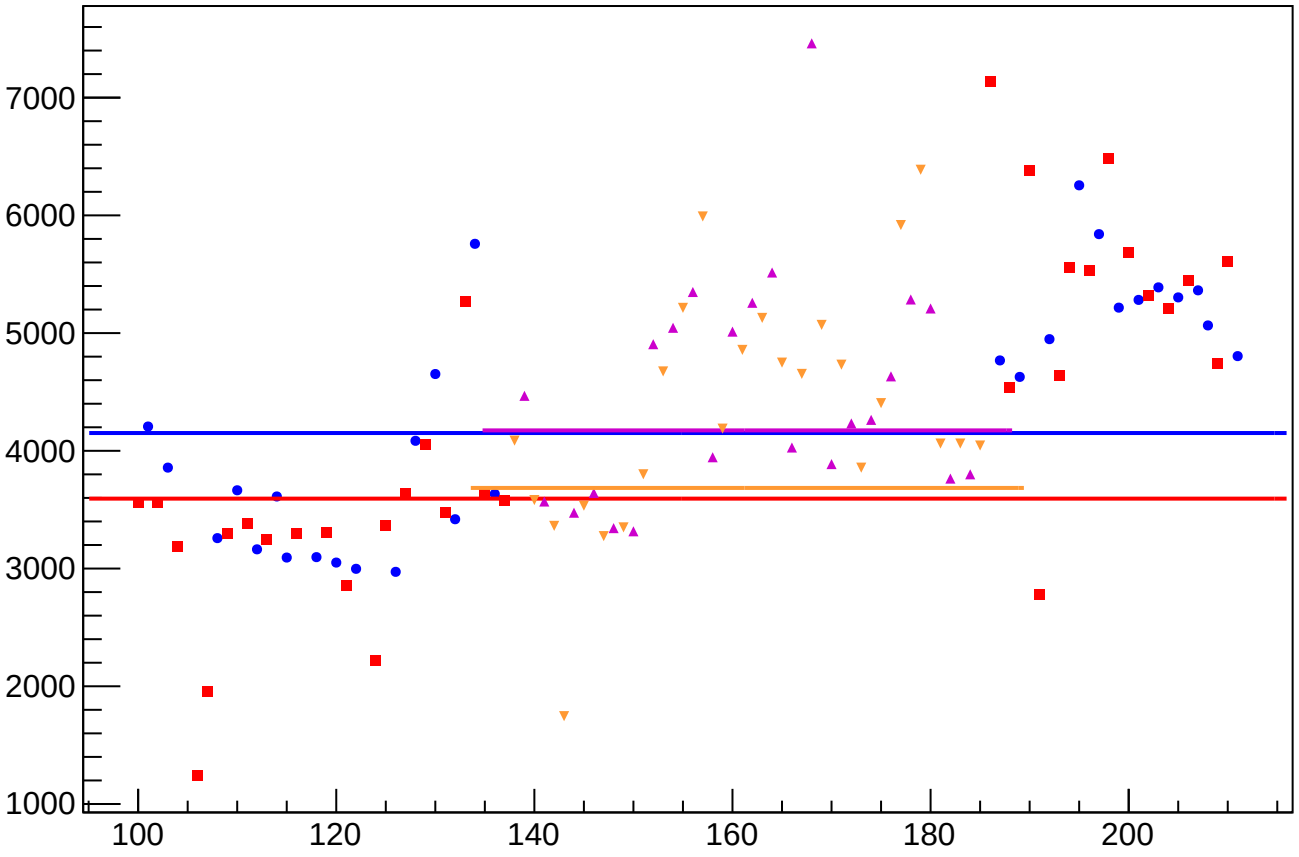
Left In: 1257.551+/-0.208 χ^2/NDF:36816.4/22

\+ sign 1271.913+/-0.151 χ^2/NDF: 718291.7/52

All: 1272.156+/-0.106 χ^2/NDF: 1248499.2/10

\- sign 1272.398+/-0.150 χ^2/NDF: 530202.3/55


asym_atl1r2_dd_atl2r1_dd_dd_reg_correction_mean vs Slug
20000
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
Right In: 35.422+/-1048.859 χ²/NDF: 28.6/27
Left Out: -0.604+/-886.488 χ²/NDF:29.1/24
Right Out: -1004.039+/-916.512 χ²/NDF: 34.9/32
Left In: -31.593+/-995.348 χ²/NDF:14.0/22
+ sign 14.408+/-677.054 χ²/NDF: 57.7/52
All: -272.919+/-477.745 χ²/NDF: 107.5/108
- sign -557.847+/-674.222 χ²/NDF: 49.5/55



Right In: 4151.149+/-0.742 χ^2/NDF: 1726521.5/27

Left Out: 3684.769+/-0.627 χ^2/NDF:3693646.6/24

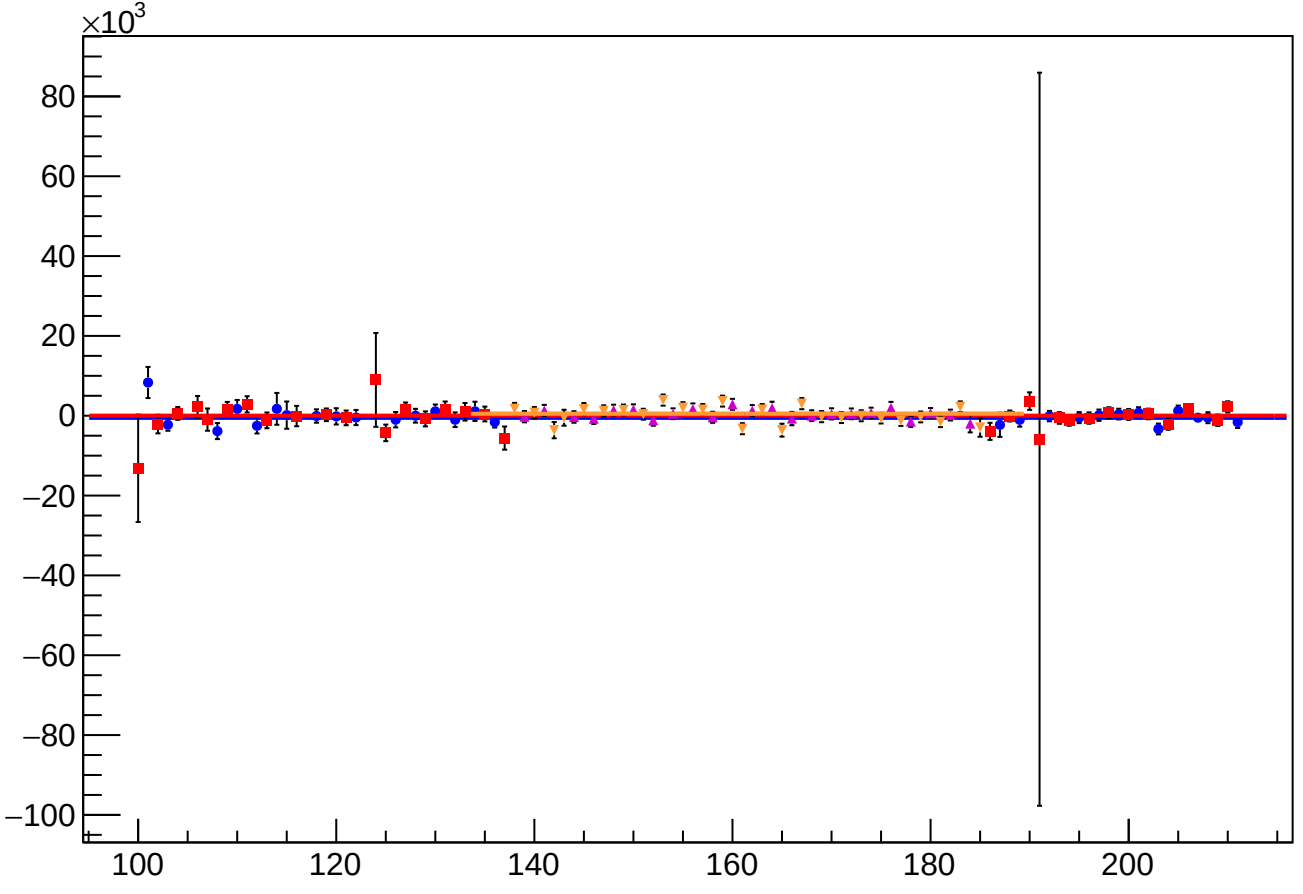
Right Out: 3593.907+/-0.648 χ^2/NDF: 4807343.5/32

Left In: 4173.556+/-0.704 χ^2/NDF:1274968.4/22

\+ sign 3879.104+/-0.479 χ^2/NDF: 5650830.3/52

All: 3869.447+/-0.338 χ^2/NDF: 12101015.9/1

\- sign 3859.870+/-0.477 χ^2/NDF: 6449375.1/55



Right In: -530.114+/-316.031 χ^2/NDF: 22.4/27

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: 25.432+/-308.380 χ^2/NDF: 31.6/32

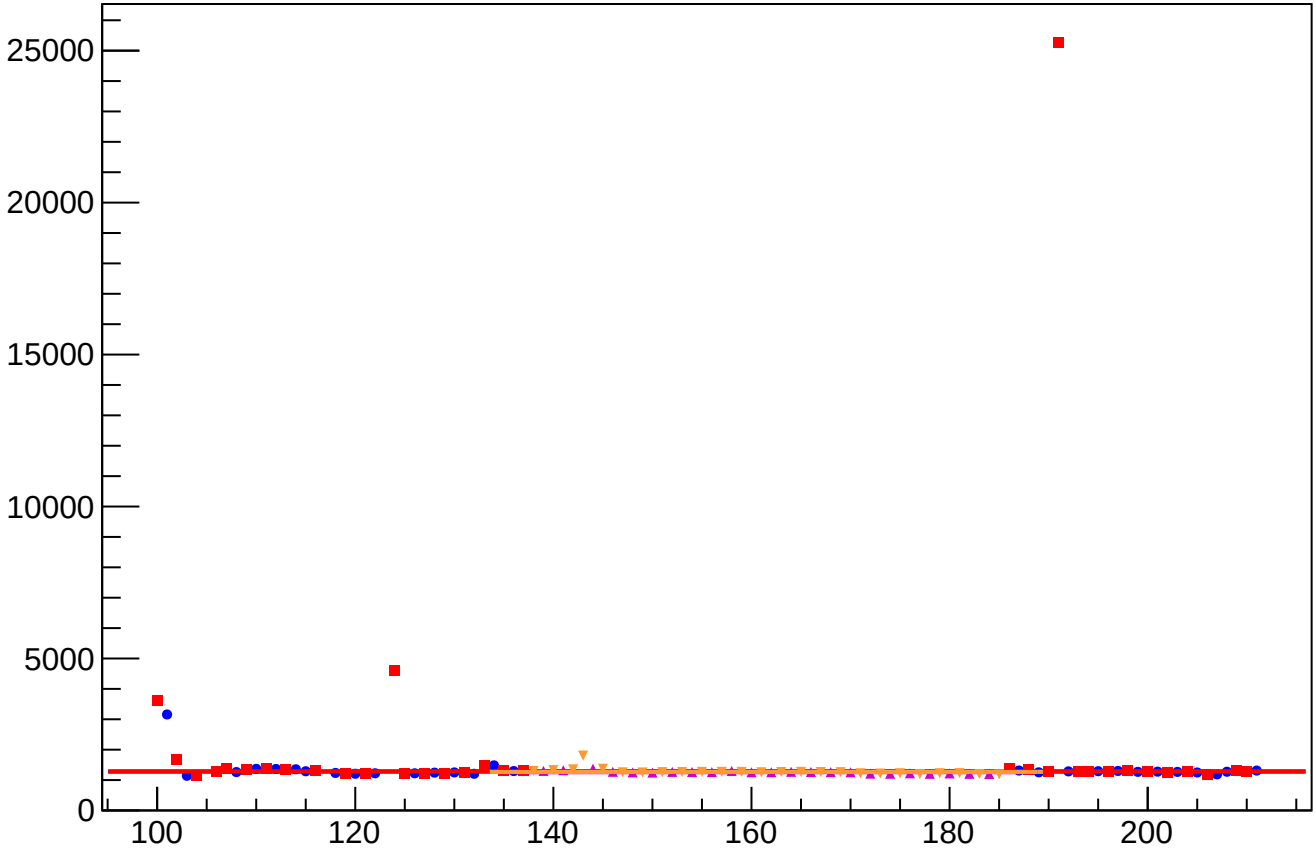
Left In: 486.720+/-293.769 χ^2/NDF:14.4/22

\+ sign 27.446+/-213.068 χ^2/NDF: 75.0/52

All: 147.560+/-150.533 χ^2/NDF: 122.8/108

\- sign 267.263+/-212.704 χ^2/NDF: 47.2/55

cor_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 1277.847+/-0.223 χ^2/NDF: 529454.6/27

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

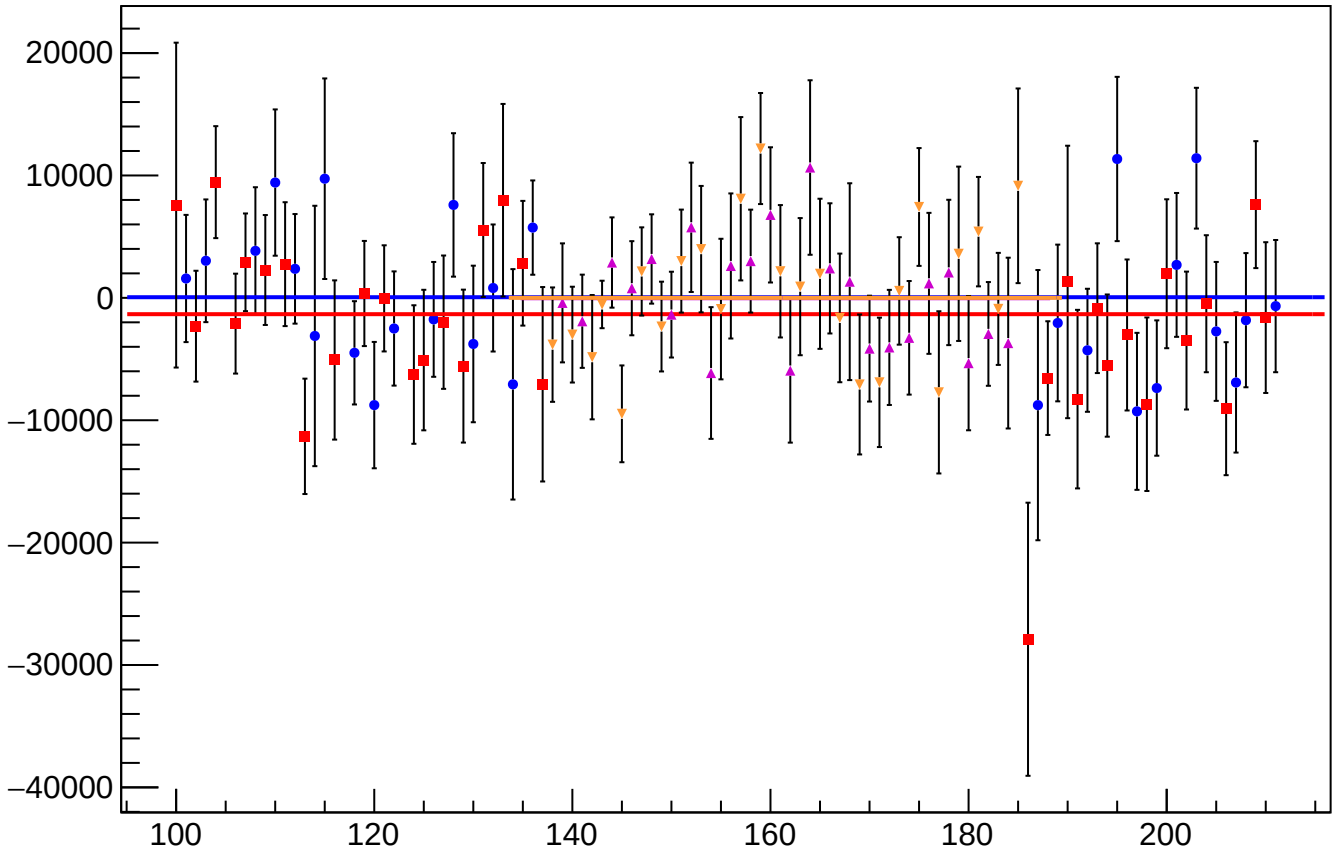
Right Out: 1289.515+/-0.218 χ^2/NDF: 489554.9/32

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

+ sign 1271.913+/-0.151 χ^2/NDF: 718293.0/52

All: 1272.342+/-0.106 χ^2/NDF: 1255953.9/10

- sign 1272.770+/-0.150 χ^2/NDF: 537644.6/55



Right In: 51.879+/-1048.633 χ^2/NDF: 28.7/27

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

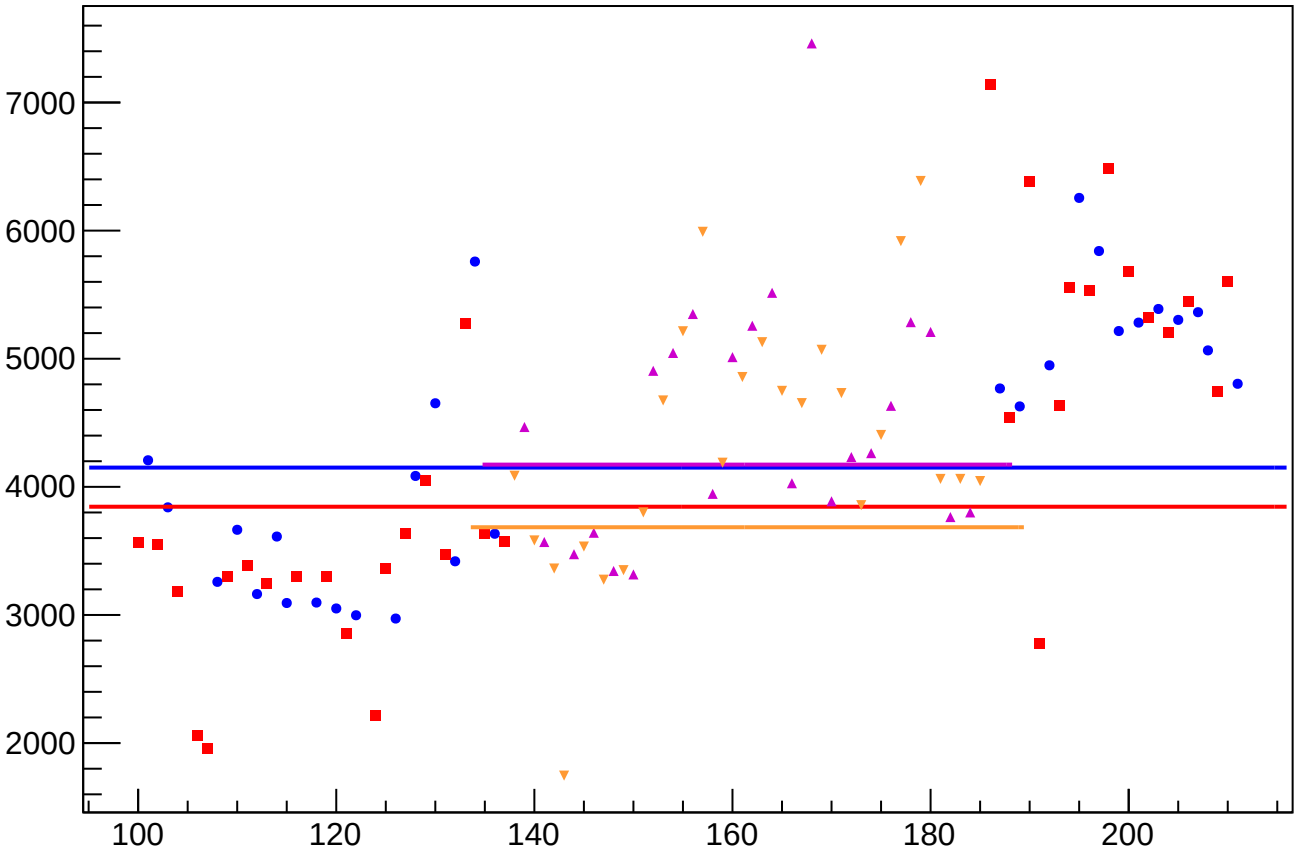
Right Out: -1334.126+/-955.729 χ^2/NDF: 34.4/32

Left In: -31.597+/-995.347 χ^2/NDF:14.0/22

+ sign 21.307+/-676.992 χ^2/NDF: 57.7/52

All: -337.371+/-483.027 χ^2/NDF: 107.7/108

- sign -709.299+/-689.383 χ^2/NDF: 49.4/55



Right In: 4150.300+/-0.741 χ^2/NDF: 1727441.7/27

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

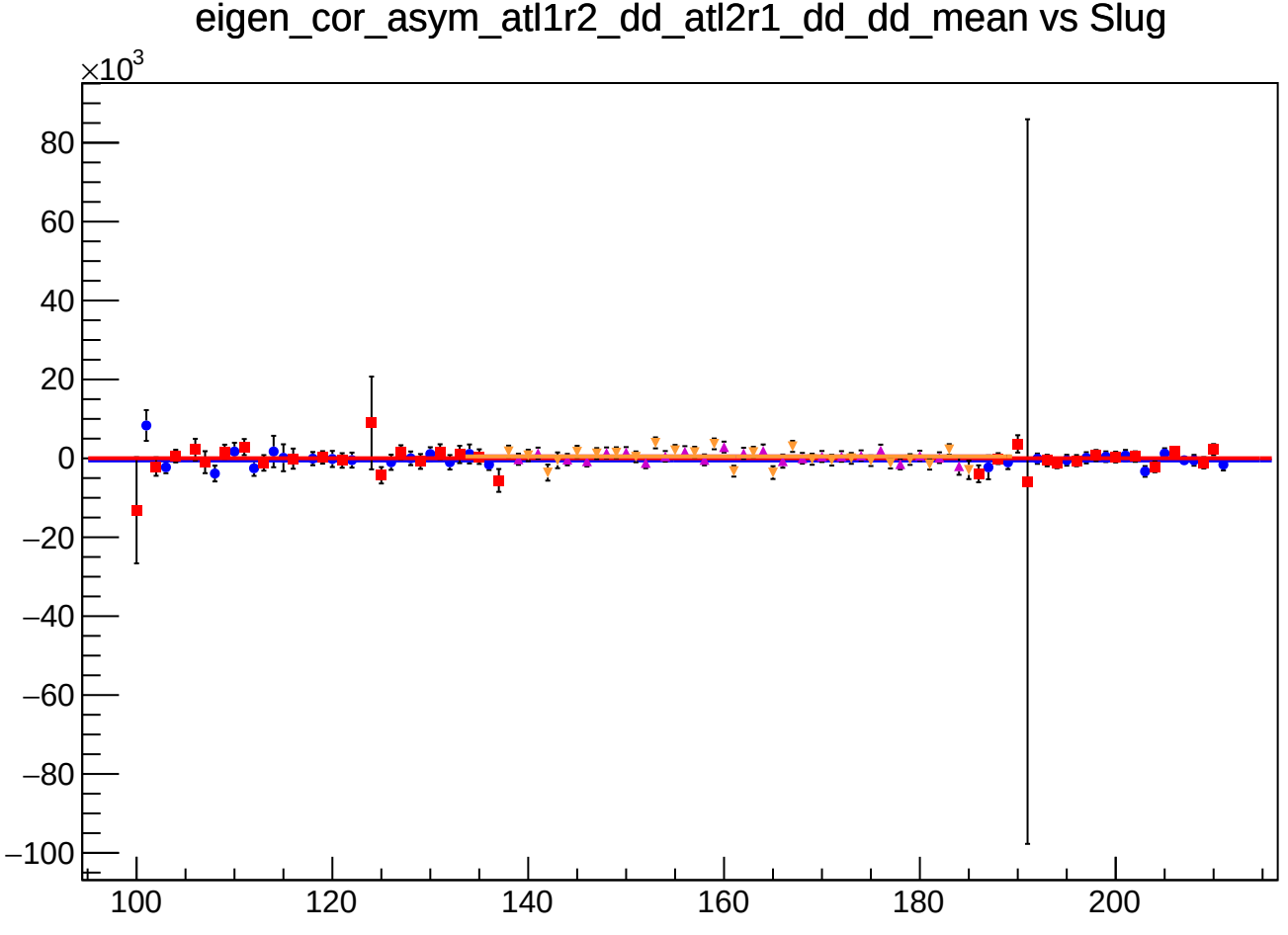
Right Out: 3844.885+/-0.676 χ^2/NDF: 3222064.1/32

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

+ sign 3878.795+/-0.479 χ^2/NDF: 5651016.4/52

All: 3939.548+/-0.342 χ^2/NDF: 10294316.0/1

- sign 4002.546+/-0.487 χ^2/NDF: 4610491.0/55



Right In: -530.114+/-316.031 χ^2/NDF: 22.4/27

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

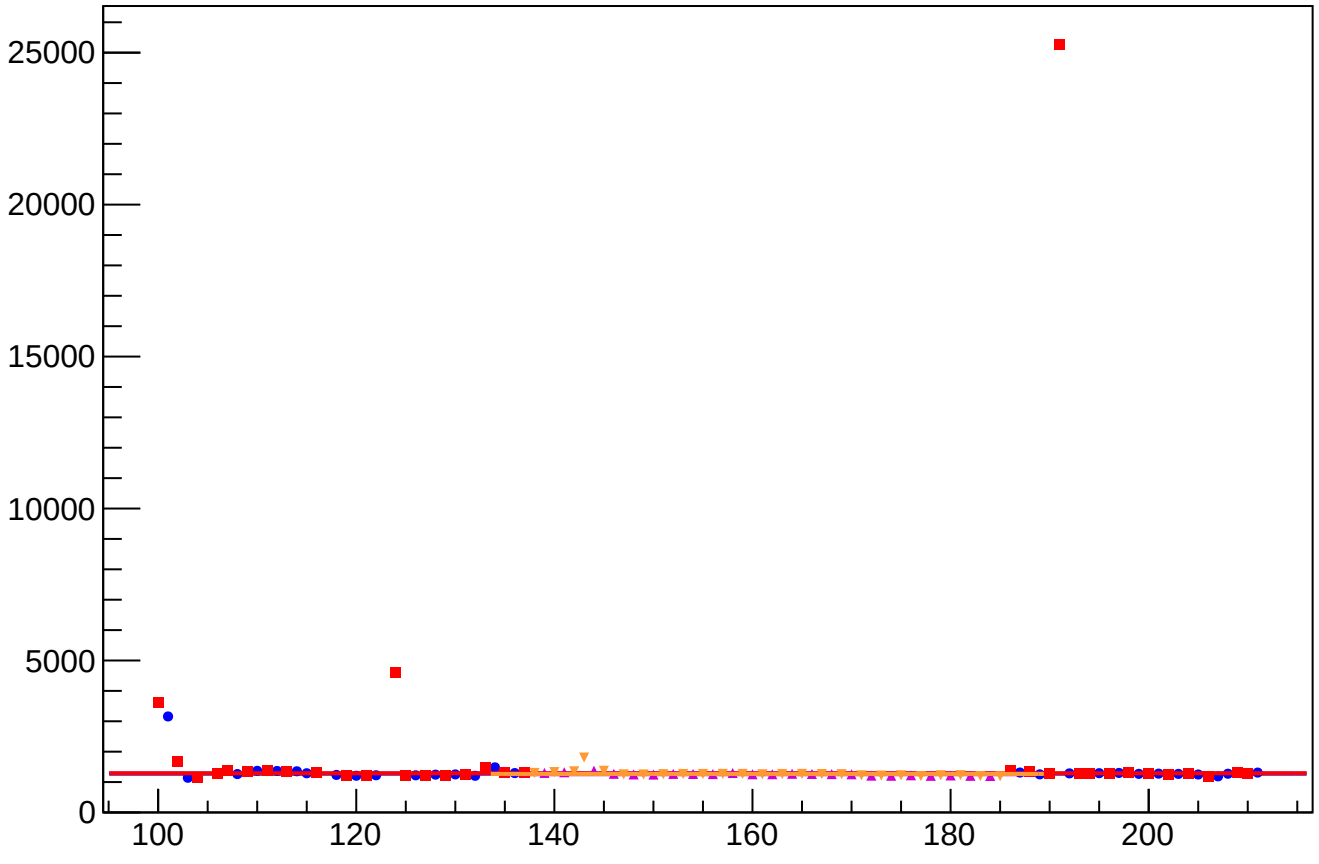
Right Out: 25.432+/-308.380 χ^2/NDF: 31.6/32

Left In: 486.720+/-293.769 χ^2/NDF:14.4/22

\+ sign 27.446+/-213.068 χ^2/NDF: 75.0/52

All: 147.560+/-150.533 χ^2/NDF: 122.8/108

\- sign 267.263+/-212.704 χ^2/NDF: 47.2/55



Right In: 1277.847+/-0.223 χ^2/NDF: 529454.6/27

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

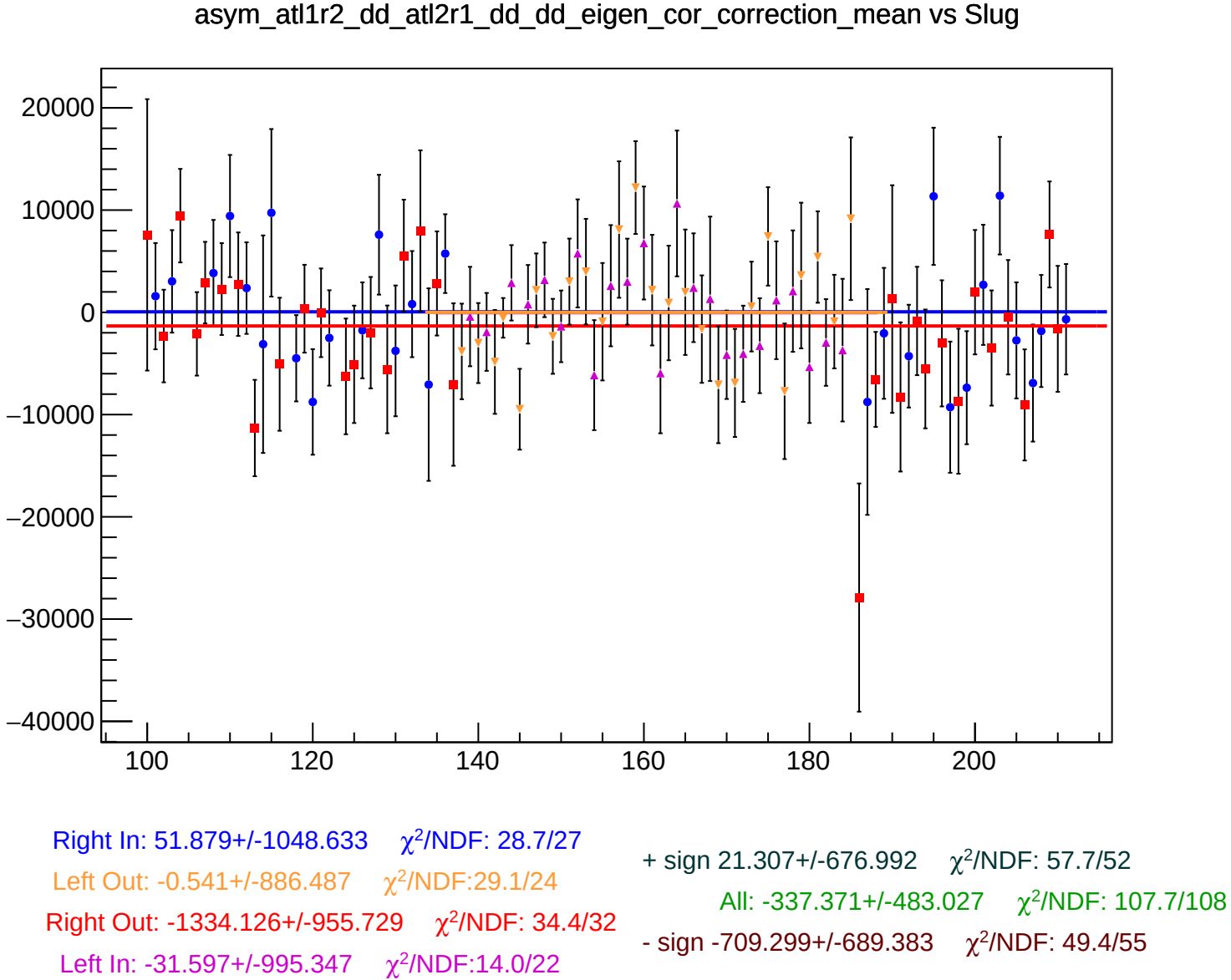
Right Out: 1289.515+/-0.218 χ^2/NDF: 489554.9/32

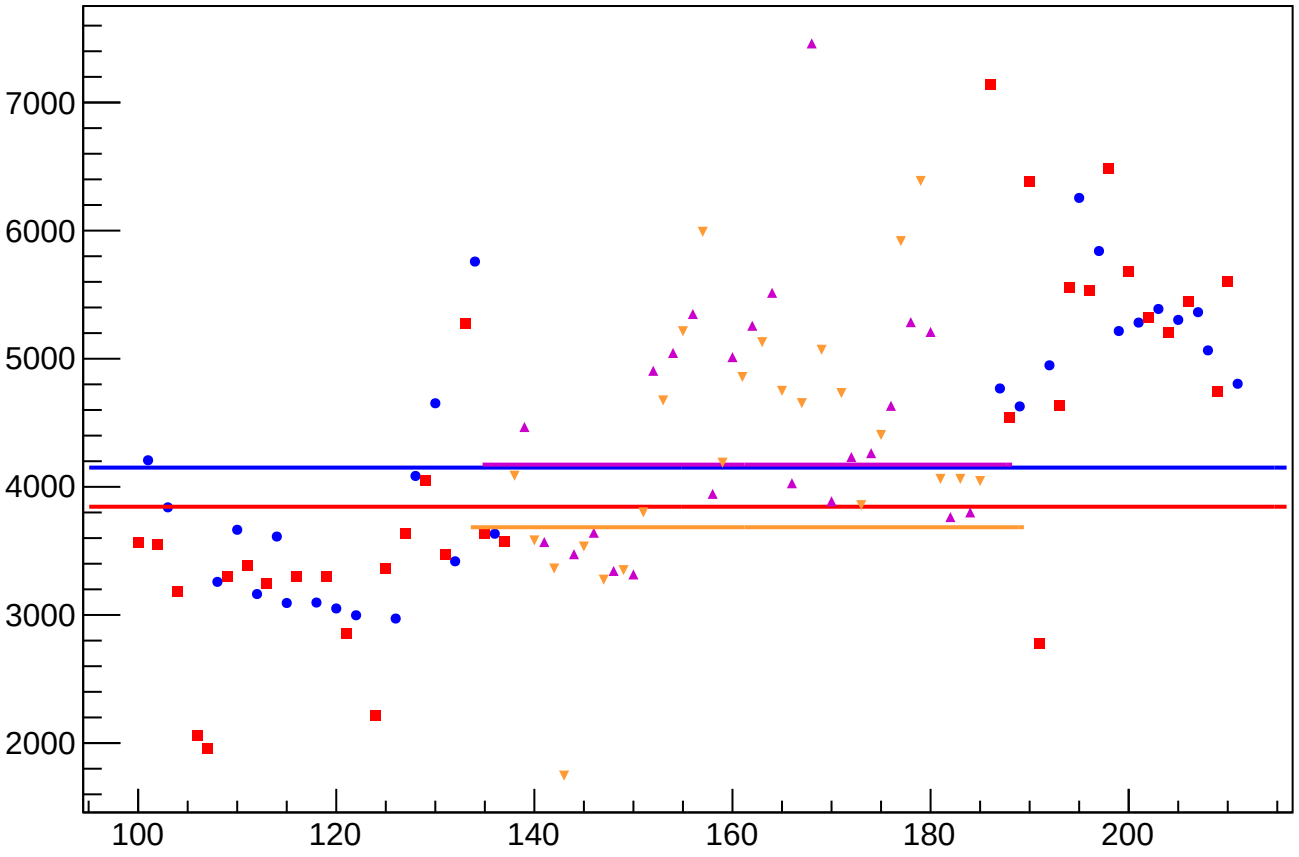
Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

+ sign 1271.913+/-0.151 χ^2/NDF: 718293.0/52

All: 1272.342+/-0.106 χ^2/NDF: 1255953.9/10

- sign 1272.770+/-0.150 χ^2/NDF: 537644.6/55


asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_correction_mean vs Slug
20000
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
Right In: 51.879+/-1048.633 χ²/NDF: 28.7/27
Left Out: -0.541+/-886.487 χ²/NDF:29.1/24
Right Out: -1334.126+/-955.729 χ²/NDF: 34.4/32
Left In: -31.597+/-995.347 χ²/NDF:14.0/22
+ sign 21.307+/-676.992 χ²/NDF: 57.7/52
All: -337.371+/-483.027 χ²/NDF: 107.7/108
- sign -709.299+/-689.383 χ²/NDF: 49.4/55



Right In: 4150.300+/-0.741 χ^2/NDF: 1727441.7/27

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

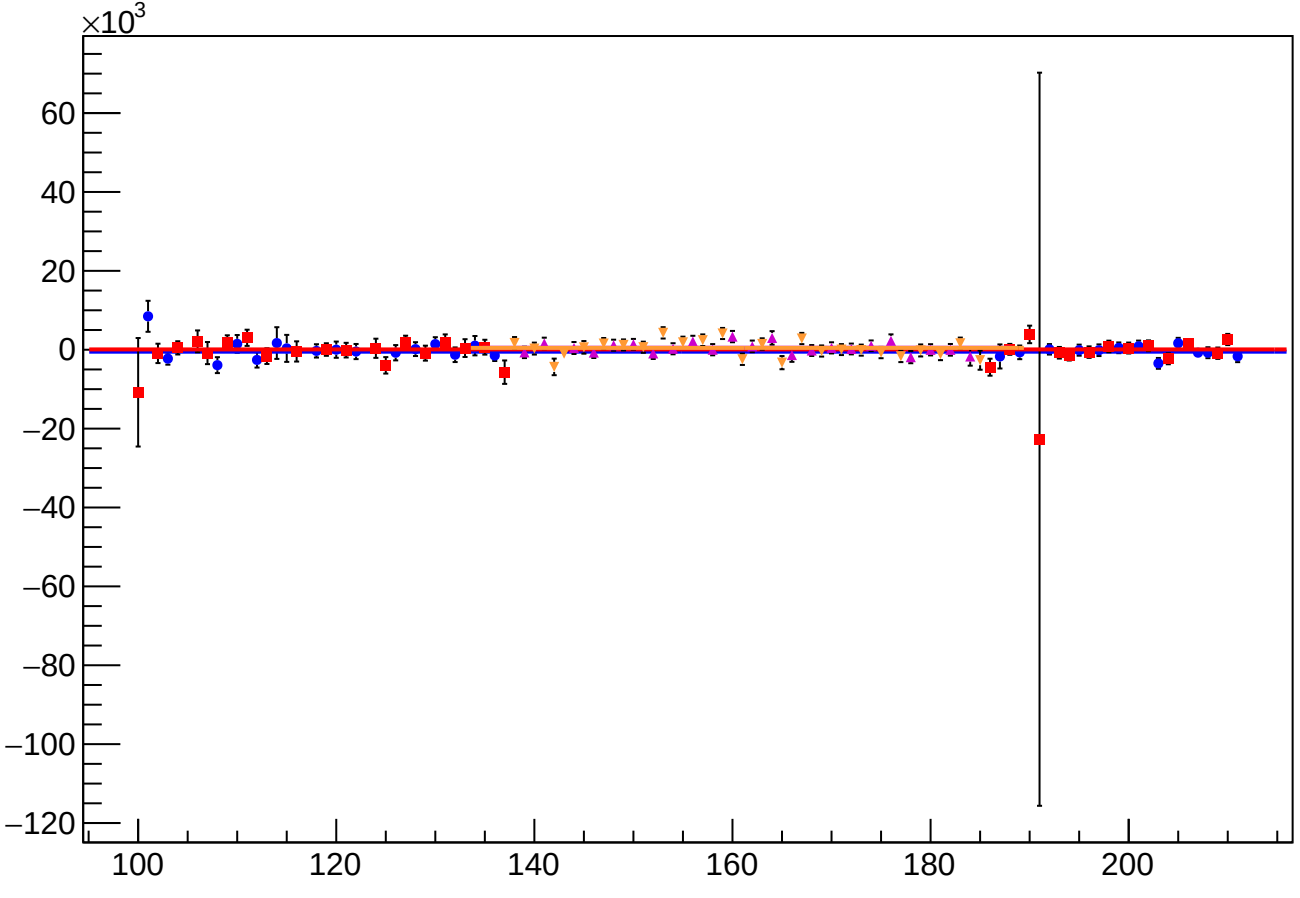
Right Out: 3844.885+/-0.676 χ^2/NDF: 3222064.1/32

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

+ sign 3878.795+/-0.479 χ^2/NDF: 5651016.4/52

All: 3939.548+/-0.342 χ^2/NDF: 10294316.0/1

- sign 4002.546+/-0.487 χ^2/NDF: 4610491.0/55



Right In: -494.200+/-320.342 χ^2/NDF: 23.9/27

Left Out: 467.929+/-294.257 χ^2/NDF:44.1/24

Right Out: 78.986+/-310.702 χ^2/NDF: 32.7/32

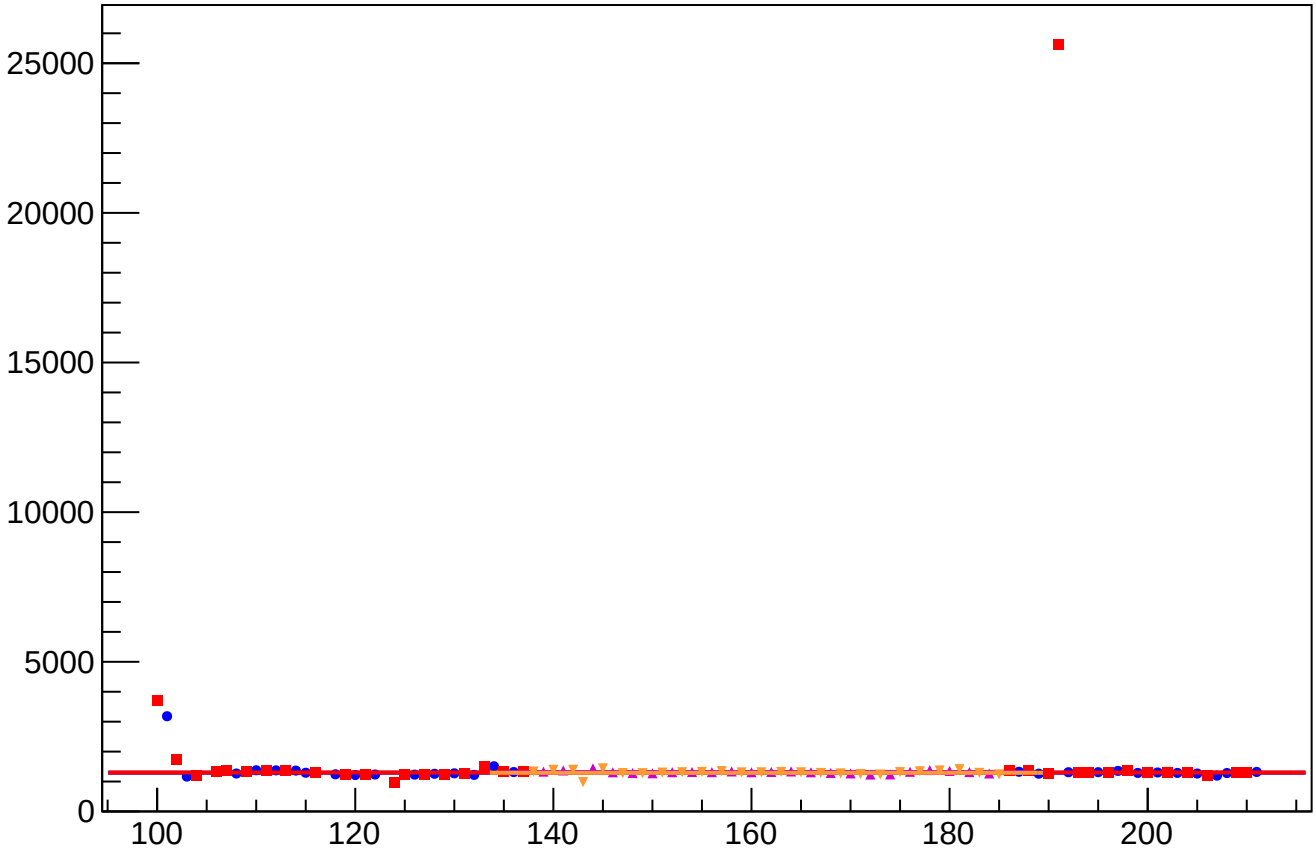
Left In: 503.558+/-307.055 χ^2/NDF:17.4/22

+ sign 27.626+/-216.707 χ^2/NDF: 72.9/52

All: 159.667+/-153.830 χ^2/NDF: 124.7/108

- sign 293.778+/-218.399 χ^2/NDF: 51.0/55

dit_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 1295.148+/-0.227 χ^2/NDF: 529543.3/27

Left Out: 1291.211+/-0.208 χ^2/NDF:230735.1/24

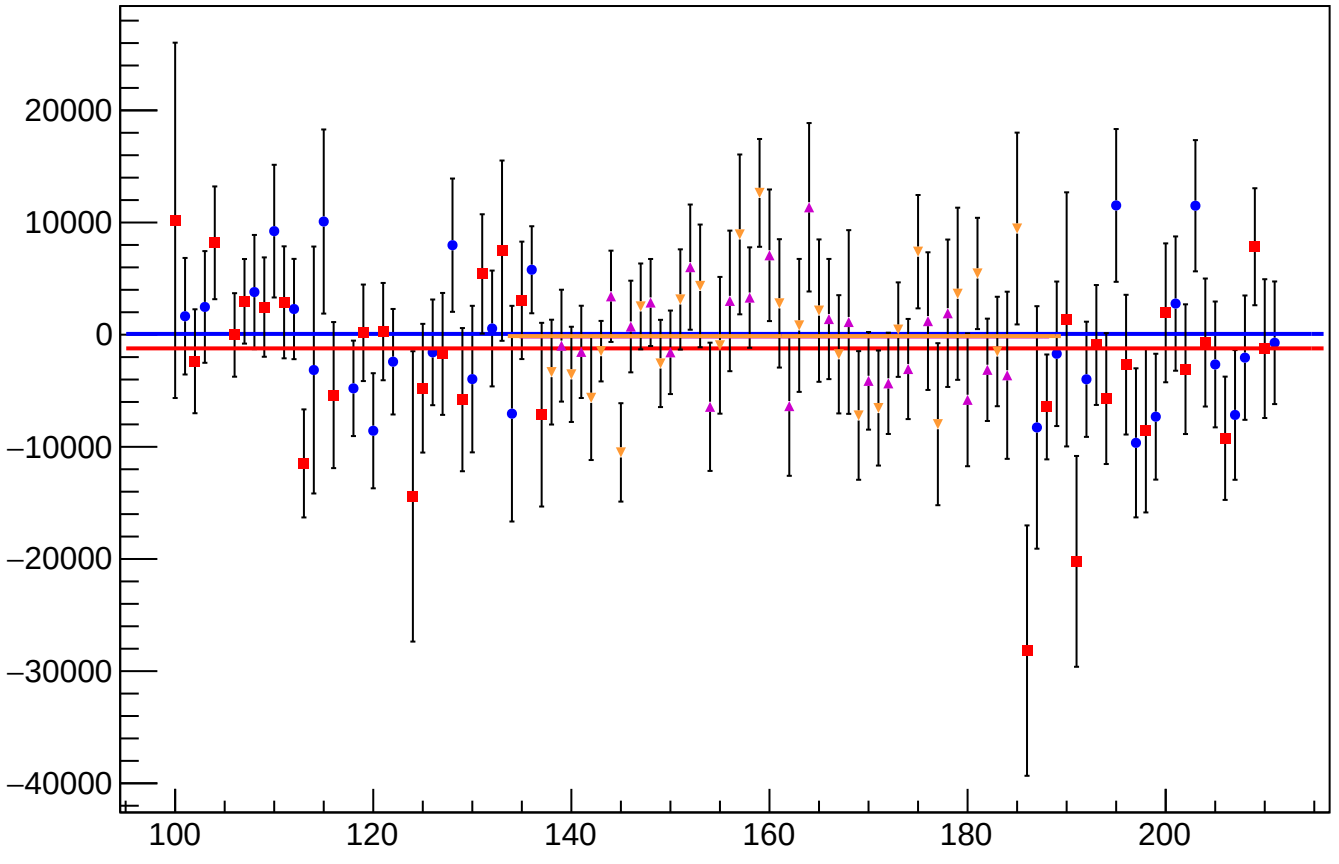
Right Out: 1300.541+/-0.220 χ^2/NDF: 378271.1/32

Left In: 1314.006+/-0.217 χ^2/NDF:43044.7/22

+ sign 1293.013+/-0.153 χ^2/NDF: 760442.3/52

All: 1300.127+/-0.109 χ^2/NDF: 1188003.1/10

- sign 1307.351+/-0.154 χ^2/NDF: 423216.7/55



Right In: 67.732+/-1054.754 χ^2/NDF: 28.5/27

Left Out: -127.273+/-977.231 χ^2/NDF:28.6/24

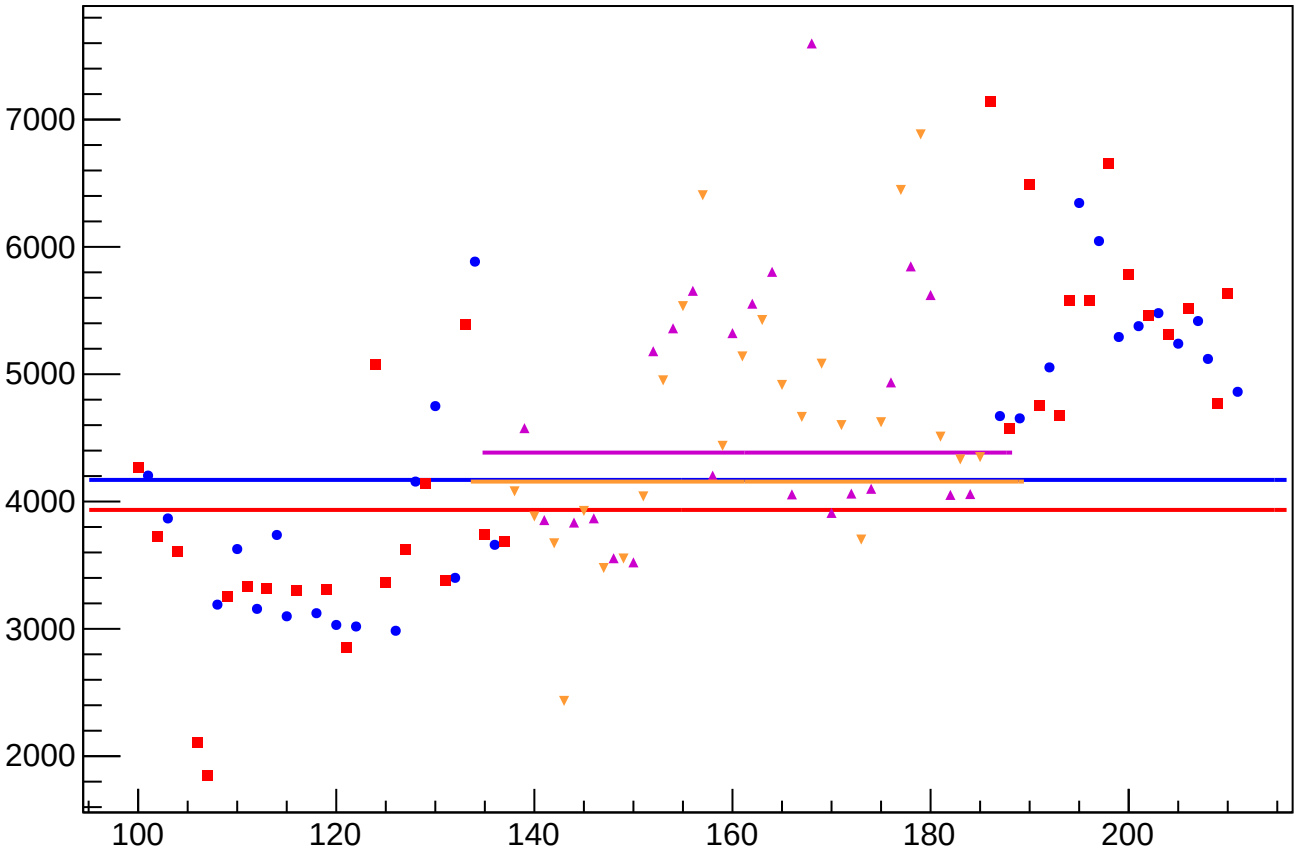
Right Out: -1222.828+/-971.813 χ^2/NDF: 36.2/32

Left In: -159.452+/-1045.510 χ^2/NDF:13.8/22

\+ sign -37.200+/-716.848 χ^2/NDF: 57.1/52

All: -386.013+/-505.095 χ^2/NDF: 108.1/108

\- sign -729.936+/-711.804 χ^2/NDF: 50.5/55



Right In: 4169.835+/-0.746 χ^2/NDF: 1818523.2/27

Left Out: 4156.582+/-0.691 χ^2/NDF:2080766.1/24

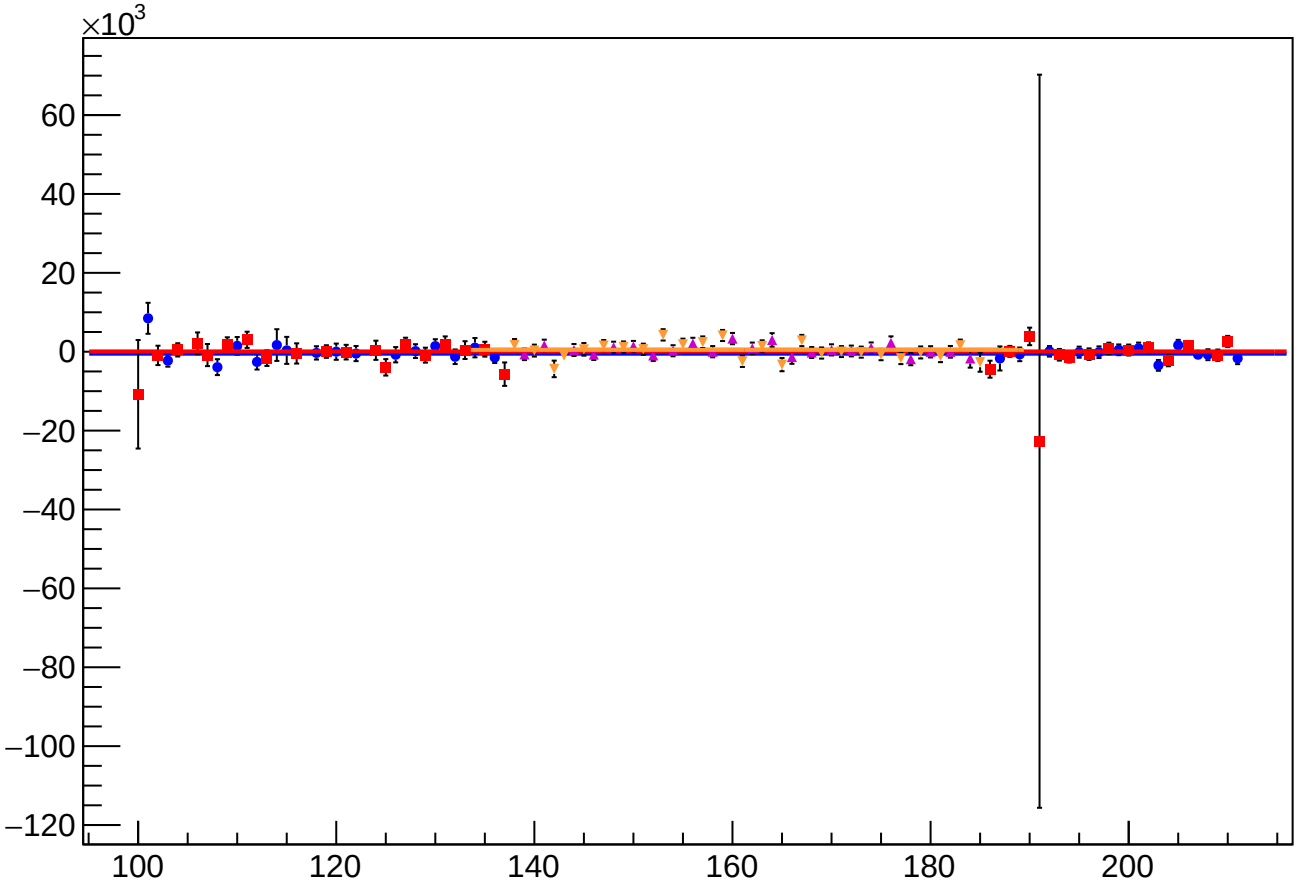
Right Out: 3934.090+/-0.687 χ^2/NDF: 3271126.2/32

Left In: 4384.323+/-0.739 χ^2/NDF:1255470.8/22

+ sign 4162.703+/-0.507 χ^2/NDF: 3899459.3/52

All: 4152.671+/-0.357 χ^2/NDF: 8625811.9/10

- sign 4142.780+/-0.503 χ^2/NDF: 4725574.8/55



Right In: -494.201+/-320.342 χ^2/NDF: 23.9/27

Left Out: 467.933+/-294.257 χ^2/NDF:44.1/24

Right Out: 78.987+/-310.702 χ^2/NDF: 32.7/32

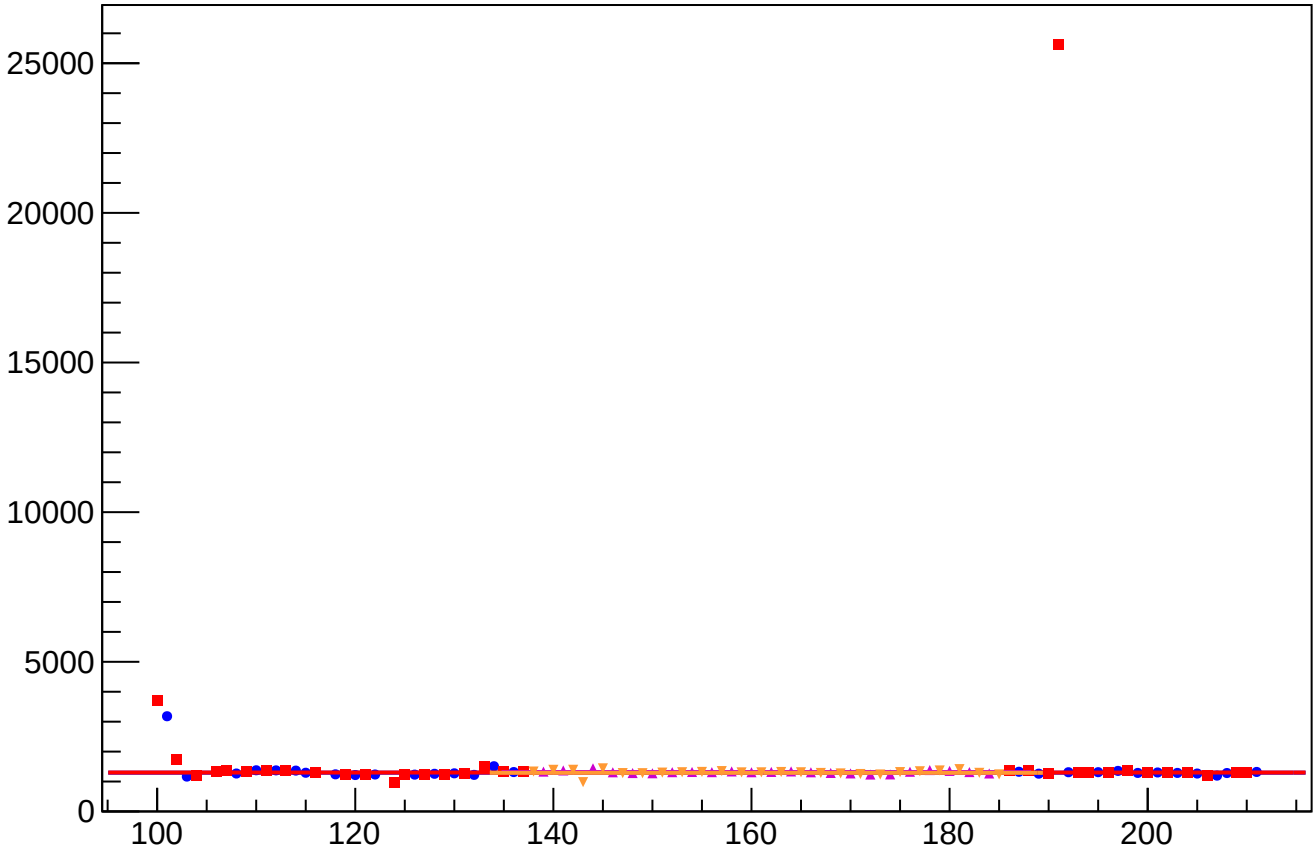
Left In: 503.558+/-307.056 χ^2/NDF:17.4/22

\+ sign 27.627+/-216.707 χ^2/NDF: 72.9/52

All: 159.668+/-153.830 χ^2/NDF: 124.7/108

\- sign 293.779+/-218.399 χ^2/NDF: 51.0/55

eigen_dit_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 1295.148+/-0.227 χ^2/NDF: 529543.4/27

Left Out: 1291.212+/-0.208 χ^2/NDF:230737.6/24

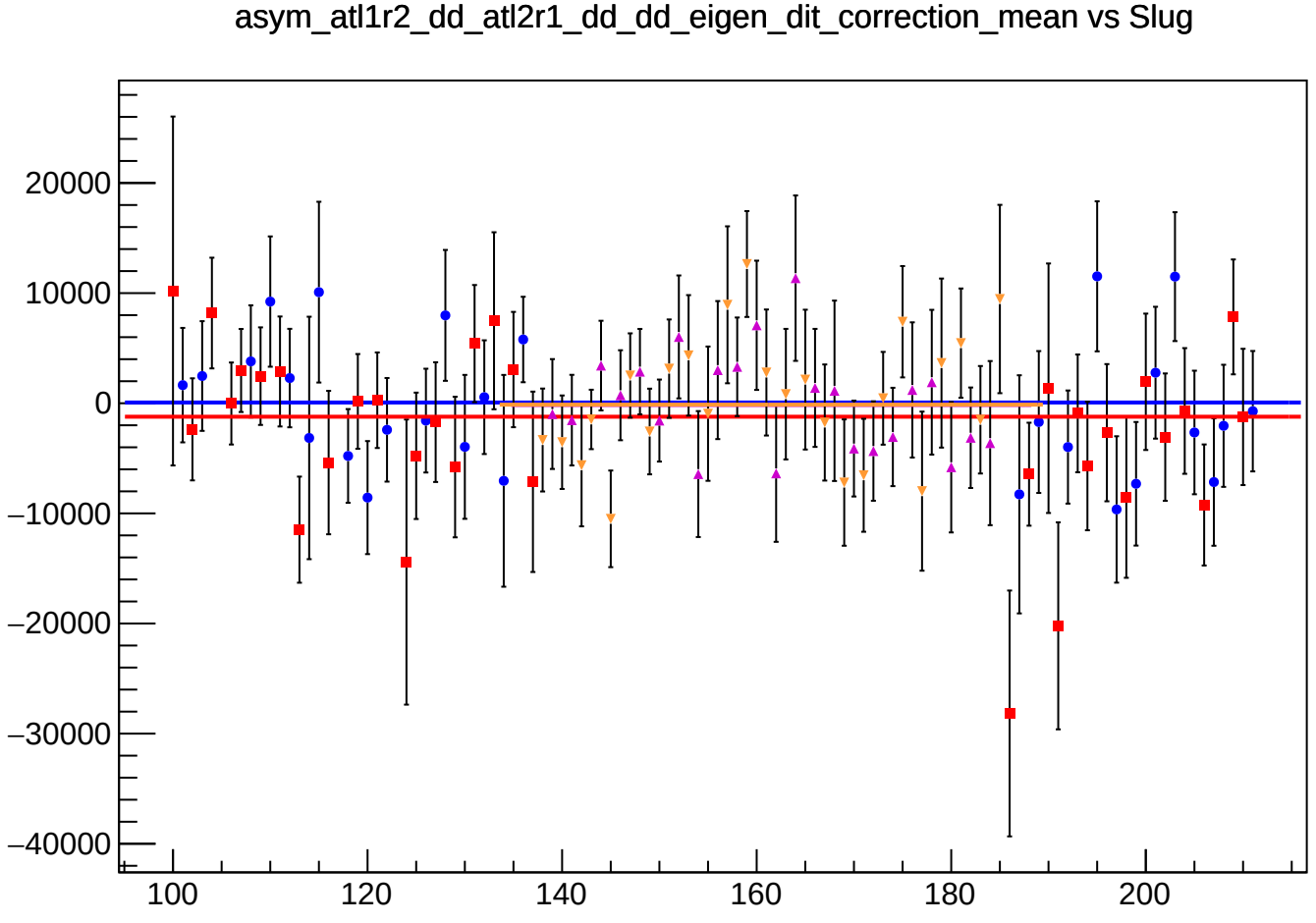
Right Out: 1300.541+/-0.220 χ^2/NDF: 378271.2/32

Left In: 1314.007+/-0.217 χ^2/NDF:43046.8/22

+ sign 1293.013+/-0.153 χ^2/NDF: 760444.8/52

All: 1300.128+/-0.109 χ^2/NDF: 1188008.2/10

- sign 1307.351+/-0.154 χ^2/NDF: 423219.3/55



Right In: 67.728+/-1054.754 χ^2/NDF: 28.5/27

Left Out: -127.271+/-977.232 χ^2/NDF:28.6/24

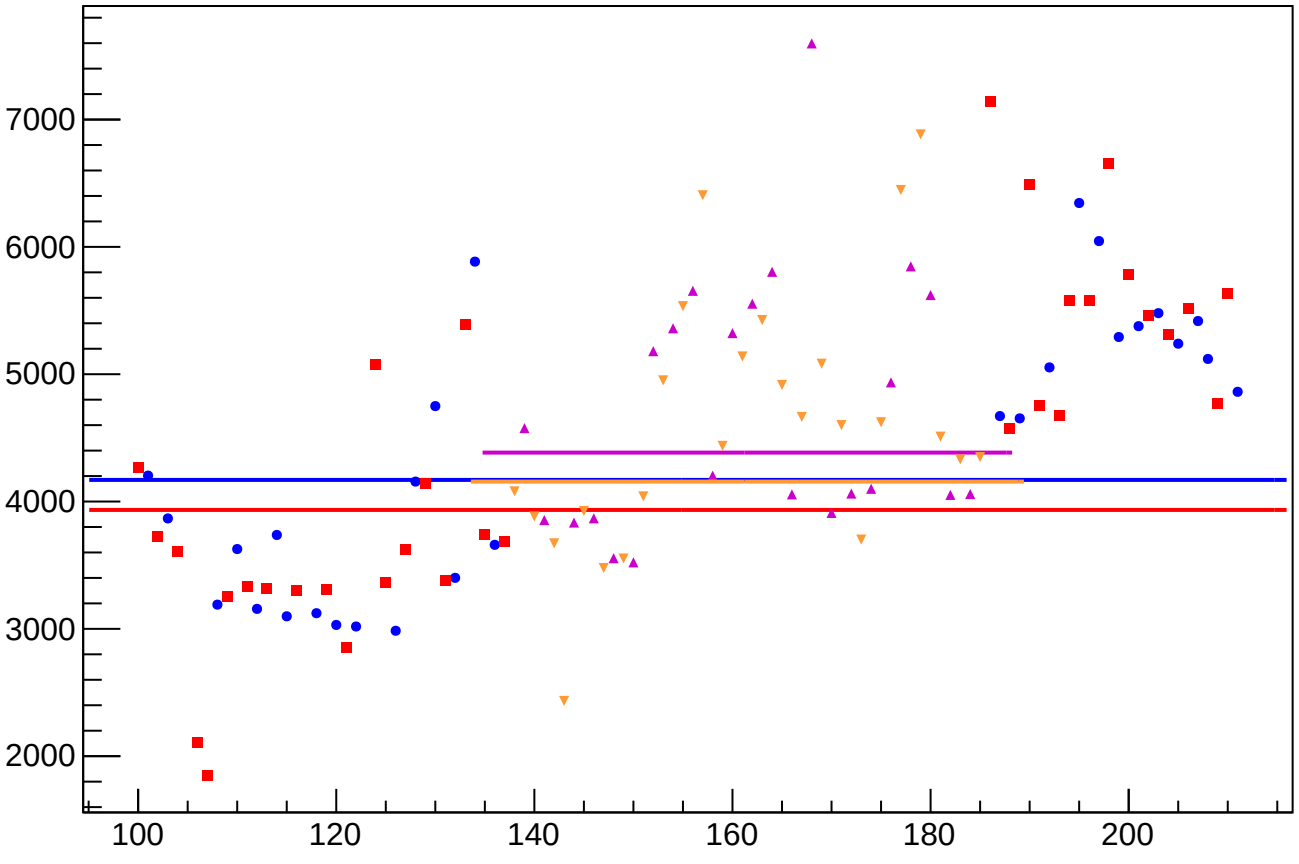
Right Out: -1222.822+/-971.812 χ^2/NDF: 36.2/32

Left In: -159.454+/-1045.511 χ^2/NDF:13.8/22

\+ sign -37.200+/-716.848 χ^2/NDF: 57.1/52

All: -386.013+/-505.096 χ^2/NDF: 108.1/108

\- sign -729.934+/-711.805 χ^2/NDF: 50.5/55



Right In: 4169.829+/-0.746 χ^2/NDF: 1818556.6/27

Left Out: 4156.588+/-0.691 χ^2/NDF:2080769.0/24

Right Out: 3934.084+/-0.687 χ^2/NDF: 3271158.9/32

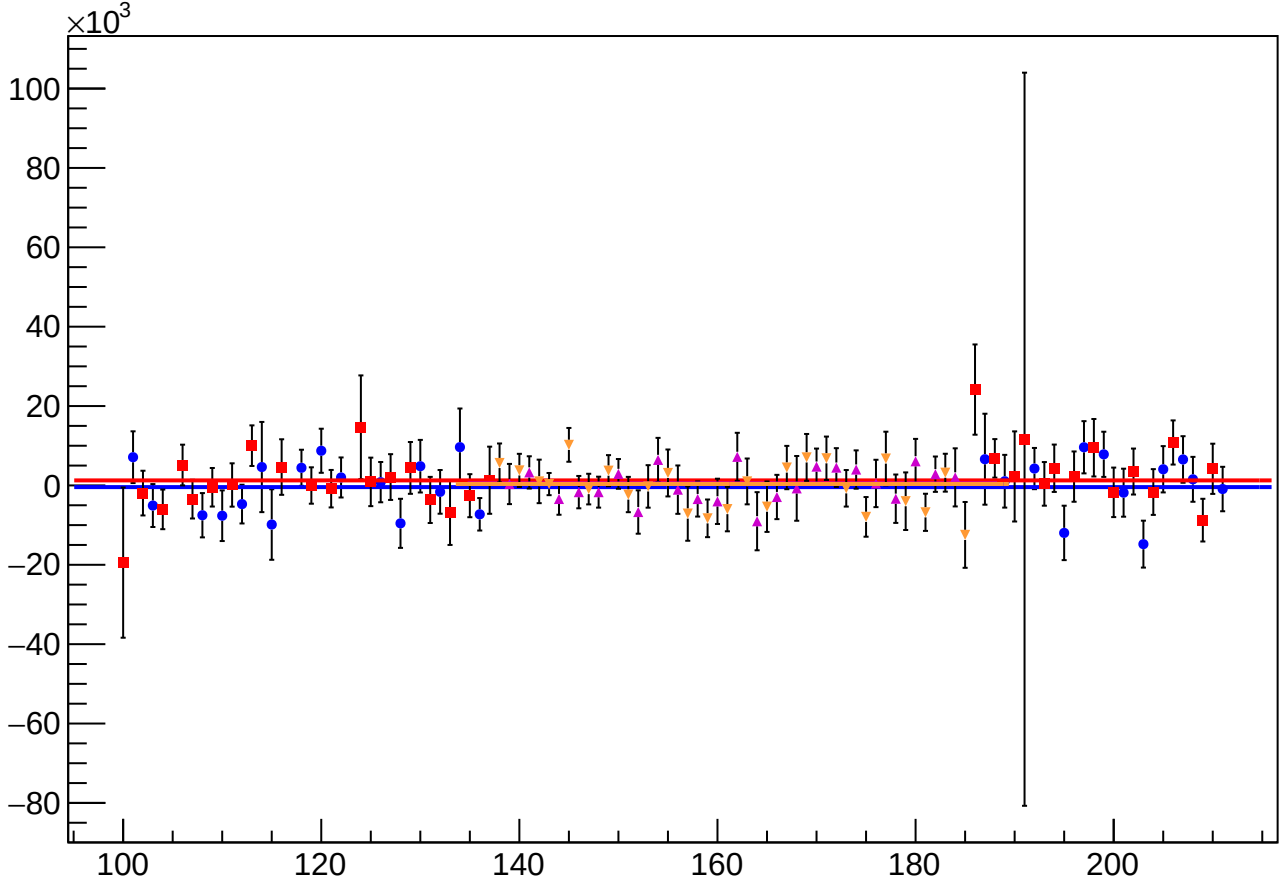
Left In: 4384.329+/-0.739 χ^2/NDF:1255475.0/22

+ sign 4162.704+/-0.507 χ^2/NDF: 3899495.2/52

All: 4152.672+/-0.357 χ^2/NDF: 8625896.0/10

- sign 4142.780+/-0.503 χ^2/NDF: 4725622.8/55

asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug



Right In: -423.478+/-1112.469 χ^2/NDF: 34.6/27

Left Out: 362.528+/-979.860 χ^2/NDF:27.7/24

Right Out: 1265.657+/-1053.627 χ^2/NDF: 26.5/32

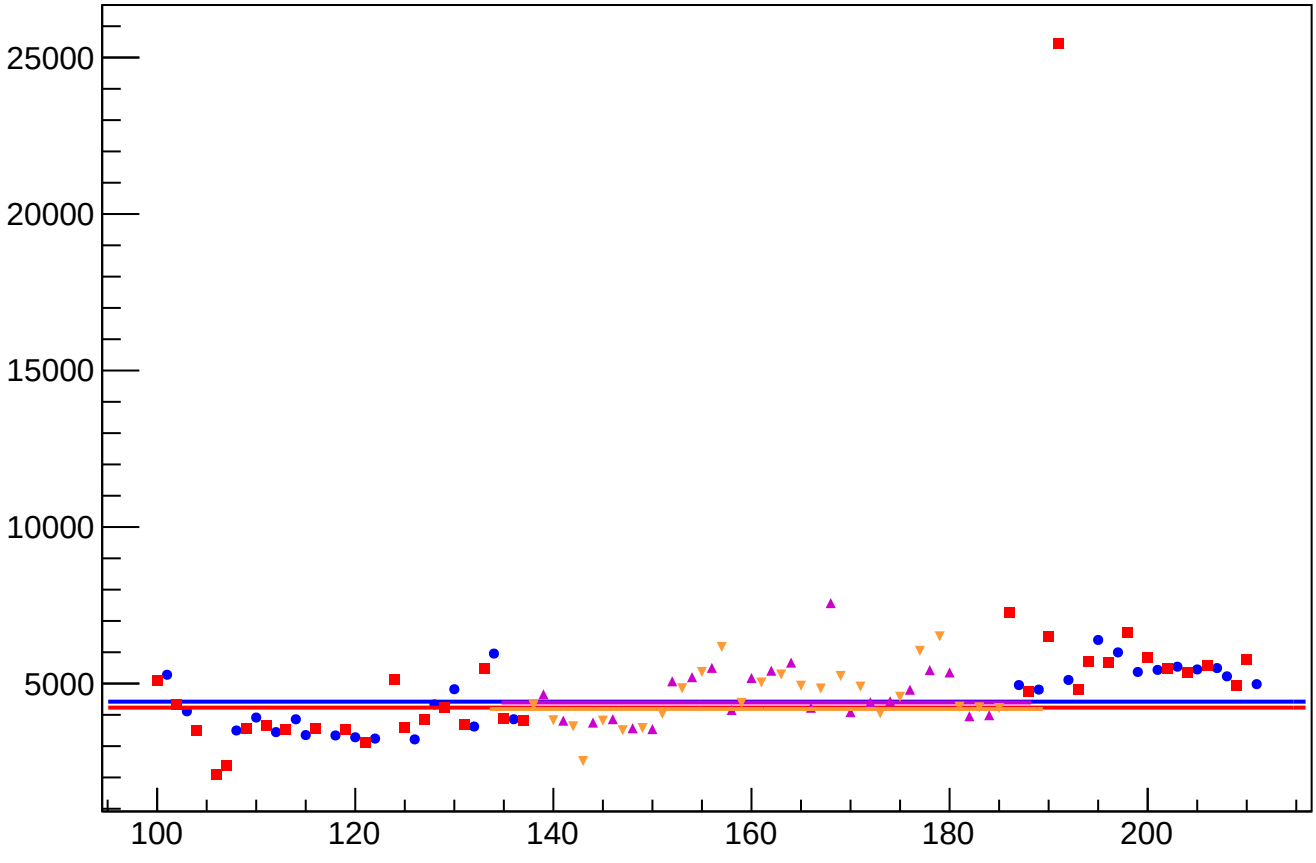
Left In: 497.522+/-1044.707 χ^2/NDF:13.9/22

+ sign 19.141+/-735.303 χ^2/NDF: 62.5/52

All: 444.923+/-522.238 χ^2/NDF: 103.8/108

- sign 878.324+/-741.853 χ^2/NDF: 40.7/55

asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 4421.544+/-0.787 χ^2/NDF: 1476776.7/27

Left Out: 4187.848+/-0.693 χ^2/NDF:1796345.9/24

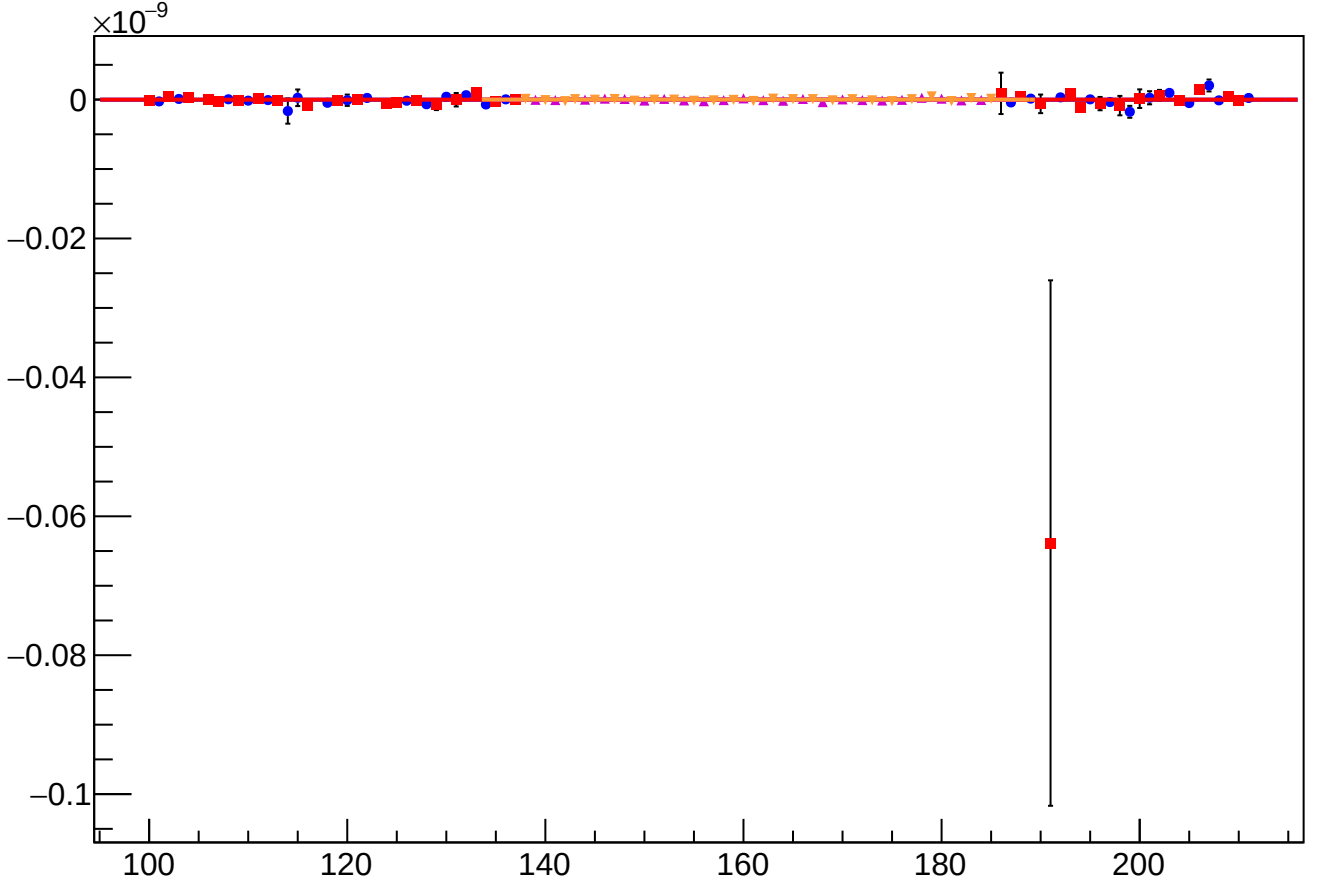
Right Out: 4230.980+/-0.739 χ^2/NDF: 2610927.4/32

Left In: 4394.324+/-0.739 χ^2/NDF:1088394.9/22

+ sign 4289.945+/-0.520 χ^2/NDF: 3322823.5/52

All: 4301.243+/-0.368 χ^2/NDF: 7047543.0/10

- sign 4312.646+/-0.522 χ^2/NDF: 3723770.7/55



Right In: -0.000+/-0.000 χ^2/NDF: 34.8/27

Left Out: -0.000+/-0.000 χ^2/NDF:30.5/24

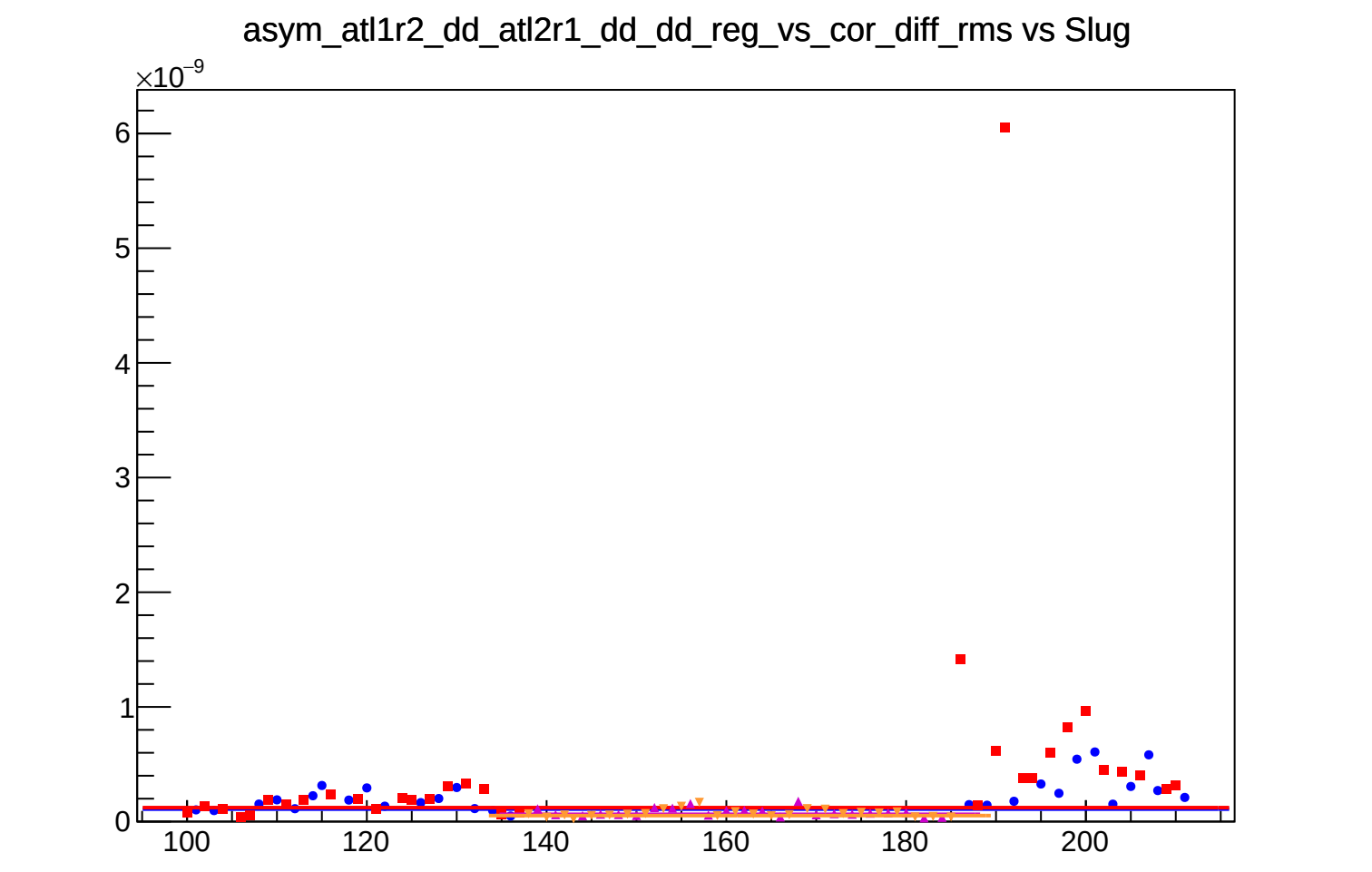
Right Out: -0.000+/-0.000 χ^2/NDF: 34.0/32

Left In: -0.000+/-0.000 χ^2/NDF:17.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 65.3/52

All: -0.000+/-0.000 χ^2/NDF: 116.5/108

- sign -0.000+/-0.000 χ^2/NDF: 51.0/55



Right In: 0.000+/-0.000 χ^2/NDF: 4440393.0/27

Left Out: 0.000+/-0.000 χ^2/NDF:2628519.8/24

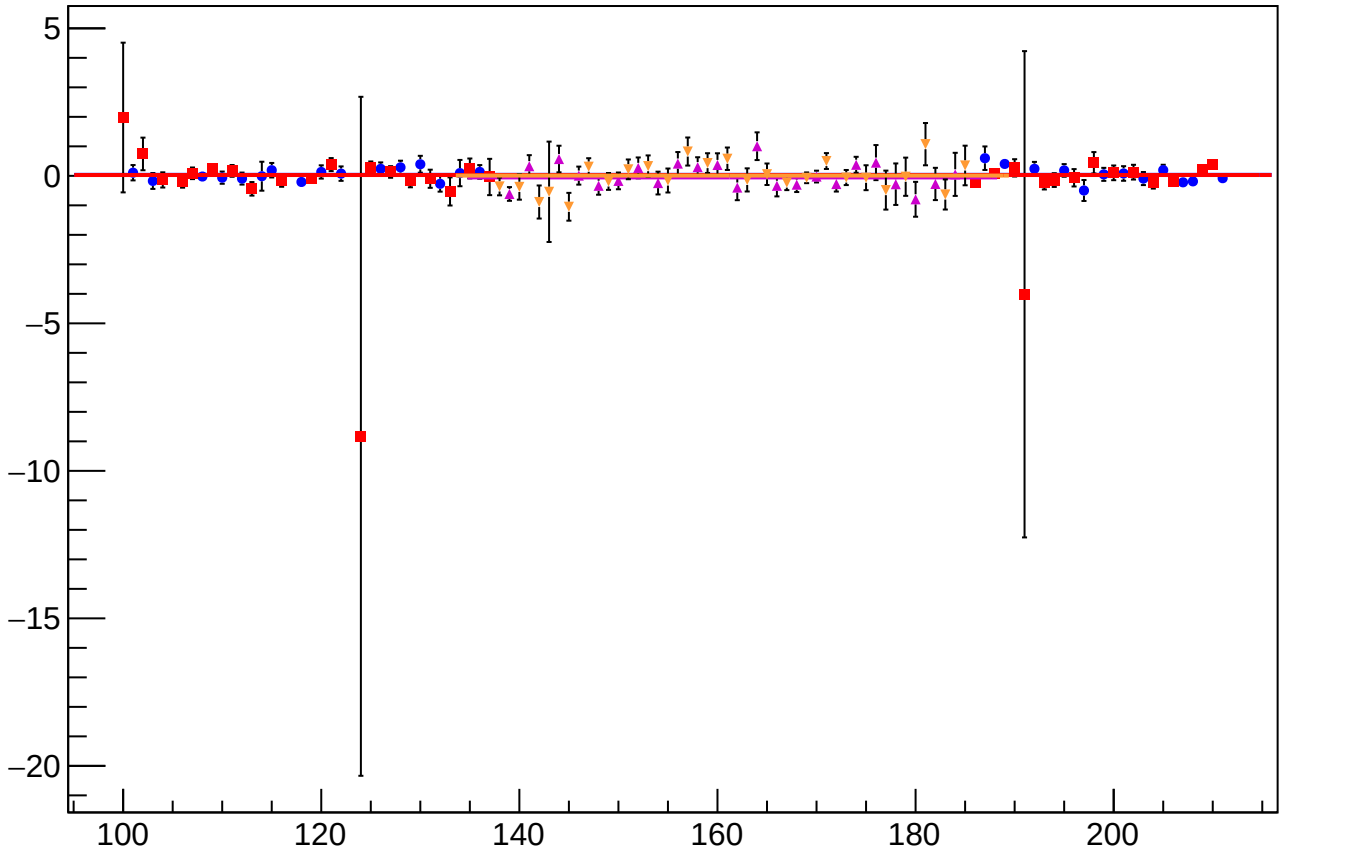
Right Out: 0.000+/-0.000 χ^2/NDF: 6903744.1/32

Left In: 0.000+/-0.000 χ^2/NDF:1788279.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 8911867.4/52

All: 0.000+/-0.000 χ^2/NDF: 19502618.3/108

- sign 0.000+/-0.000 χ^2/NDF: 10291343.2/55



Right In: 0.034+/-0.041 χ^2/NDF: 27.2/27

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

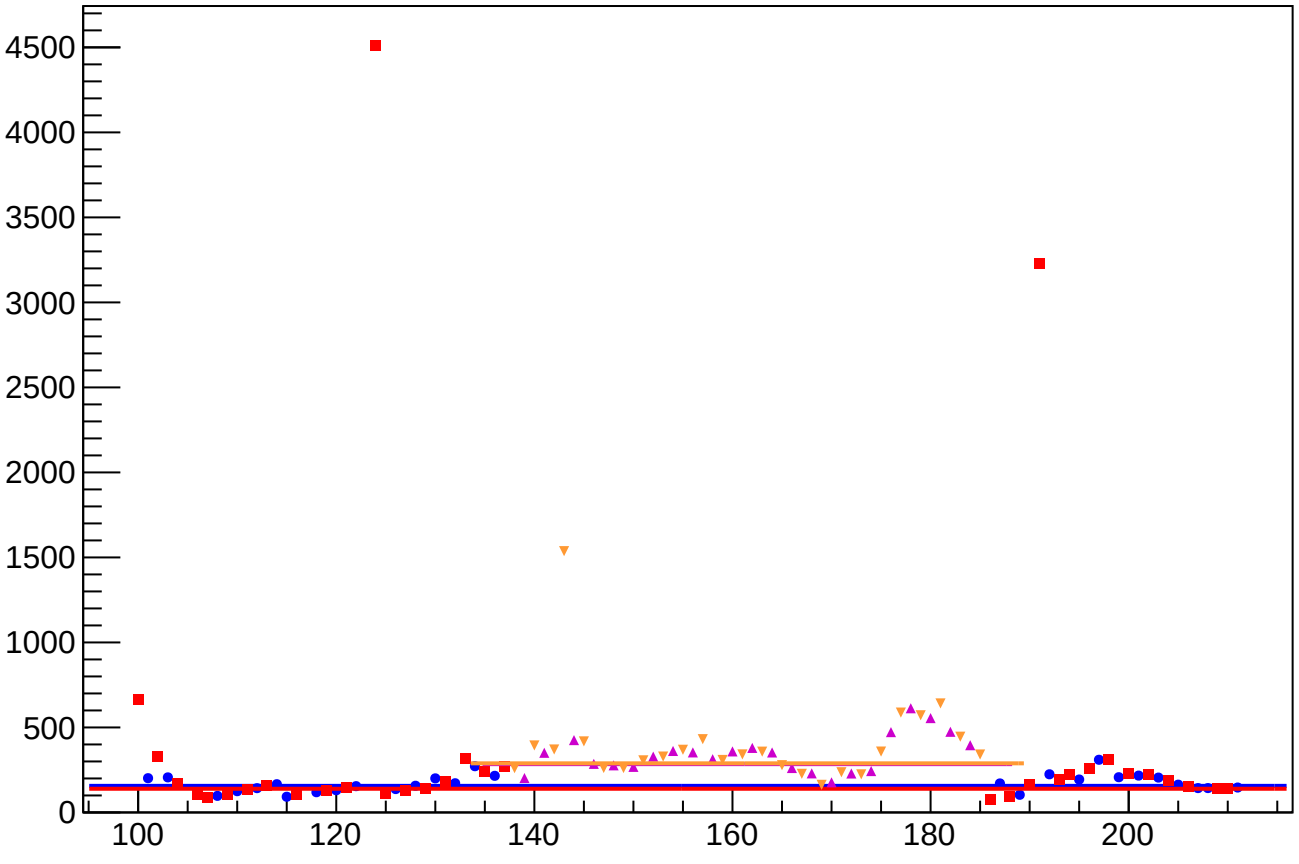
Right Out: 0.028+/-0.037 χ^2/NDF: 39.8/32

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.028+/-0.035 χ^2/NDF: 56.2/52

All: 0.019+/-0.024 χ^2/NDF: 125.0/108

- sign 0.011+/-0.032 χ^2/NDF: 68.6/55



Right In: 156.412+/-0.029 χ^2/NDF: 2259628.0/27

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

Right Out: 139.371+/-0.026 χ^2/NDF: 4675066.3/32

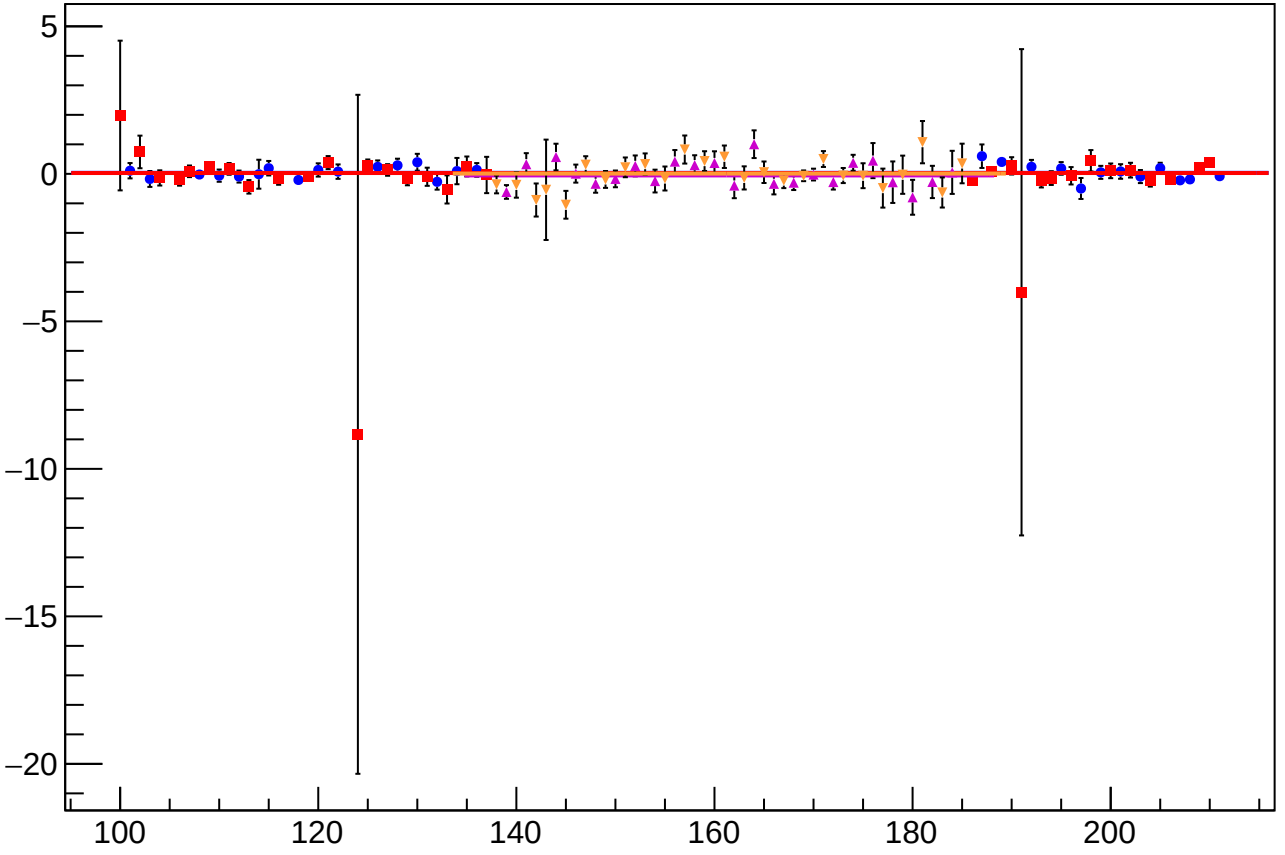
Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

+ sign 189.126+/-0.025 χ^2/NDF: 12151654.7/52

All: 178.796+/-0.017 χ^2/NDF: 26885972.5/10

- sign 170.076+/-0.023 χ^2/NDF: 14418235.8/55

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.034+/-0.041 χ^2/NDF: 27.2/27

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

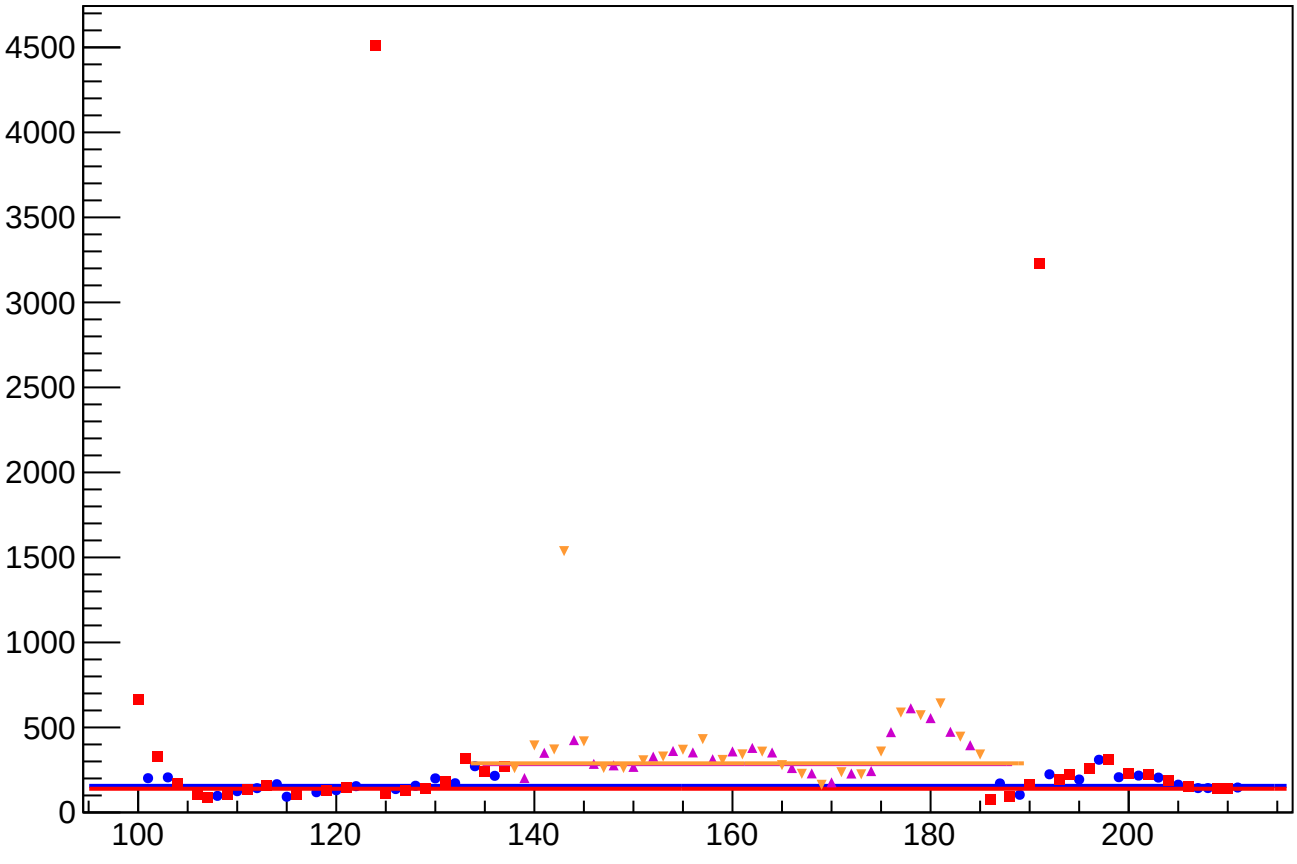
Right Out: 0.028+/-0.037 χ^2/NDF: 39.8/32

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.028+/-0.035 χ^2/NDF: 56.2/52

All: 0.019+/-0.024 χ^2/NDF: 125.0/108

- sign 0.011+/-0.032 χ^2/NDF: 68.6/55



Right In: 156.412+/-0.029 χ^2/NDF: 2259628.0/27

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

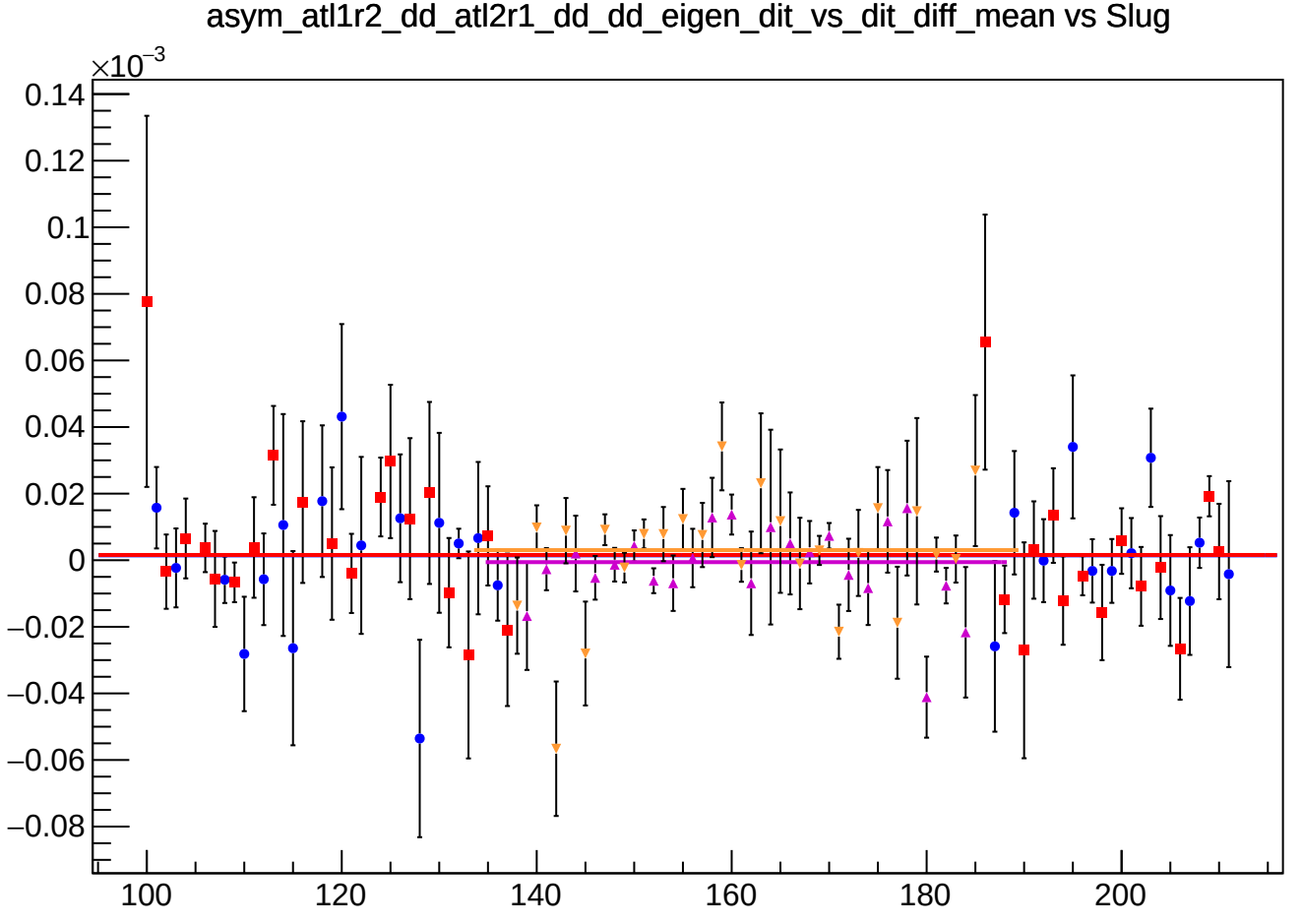
Right Out: 139.371+/-0.026 χ^2/NDF: 4675066.3/32

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

+ sign 189.126+/-0.025 χ^2/NDF: 12151654.7/52

All: 178.796+/-0.017 χ^2/NDF: 26885972.5/10

- sign 170.076+/-0.023 χ^2/NDF: 14418235.8/55



Right In: 0.000+/-0.000 χ^2/NDF: 24.7/27

Left Out: 0.000+/-0.000 χ^2/NDF:42.2/24

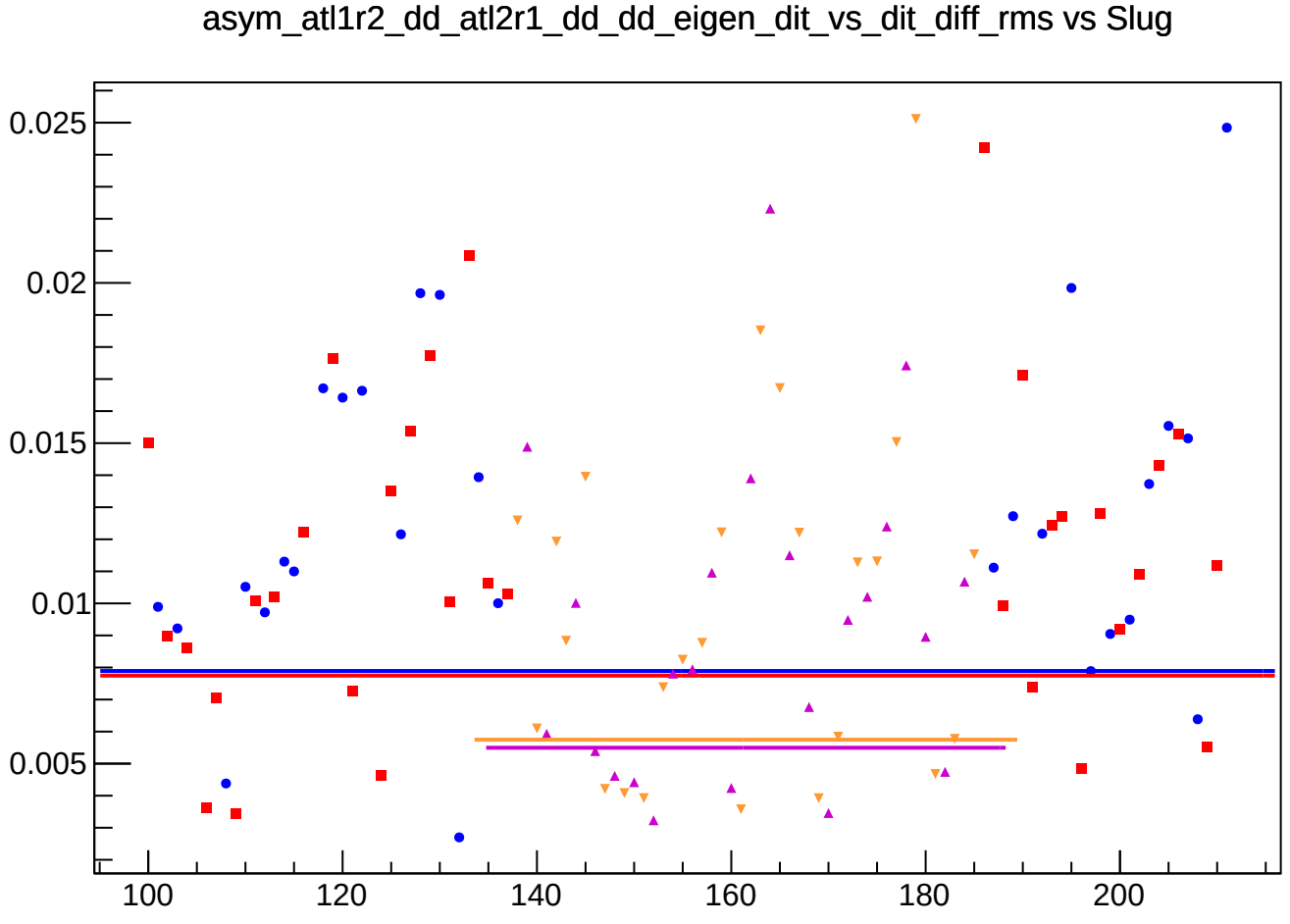
Right Out: 0.000+/-0.000 χ^2/NDF: 38.5/32

Left In: -0.000+/-0.000 χ^2/NDF:33.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 67.2/52

All: 0.000+/-0.000 χ^2/NDF: 141.5/108

- sign 0.000+/-0.000 χ^2/NDF: 72.4/55



Right In: 0.008+/-0.000 χ^2/NDF: 8228884.2/27

Left Out: 0.006+/-0.000 χ^2/NDF:8128513.8/24

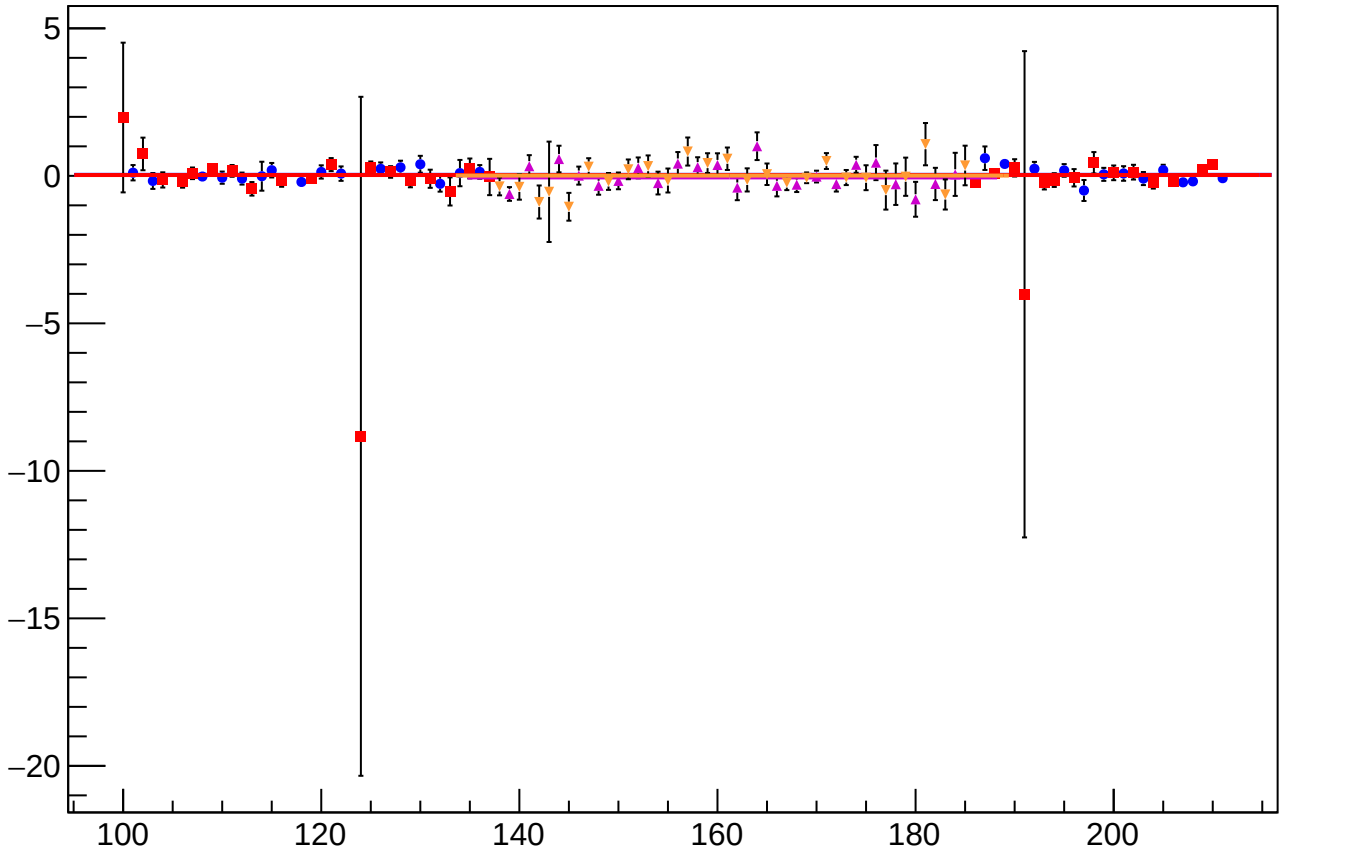
Right Out: 0.008+/-0.000 χ^2/NDF: 6826417.1/32

Left In: 0.005+/-0.000 χ^2/NDF:6937299.0/22

+ sign 0.006+/-0.000 χ^2/NDF: 17576058.8/52

All: 0.006+/-0.000 χ^2/NDF: 32870249.2/108

- sign 0.006+/-0.000 χ^2/NDF: 15282559.7/55



Right In: 0.034+/-0.041 χ^2/NDF: 27.2/27

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: 0.028+/-0.037 χ^2/NDF: 39.8/32

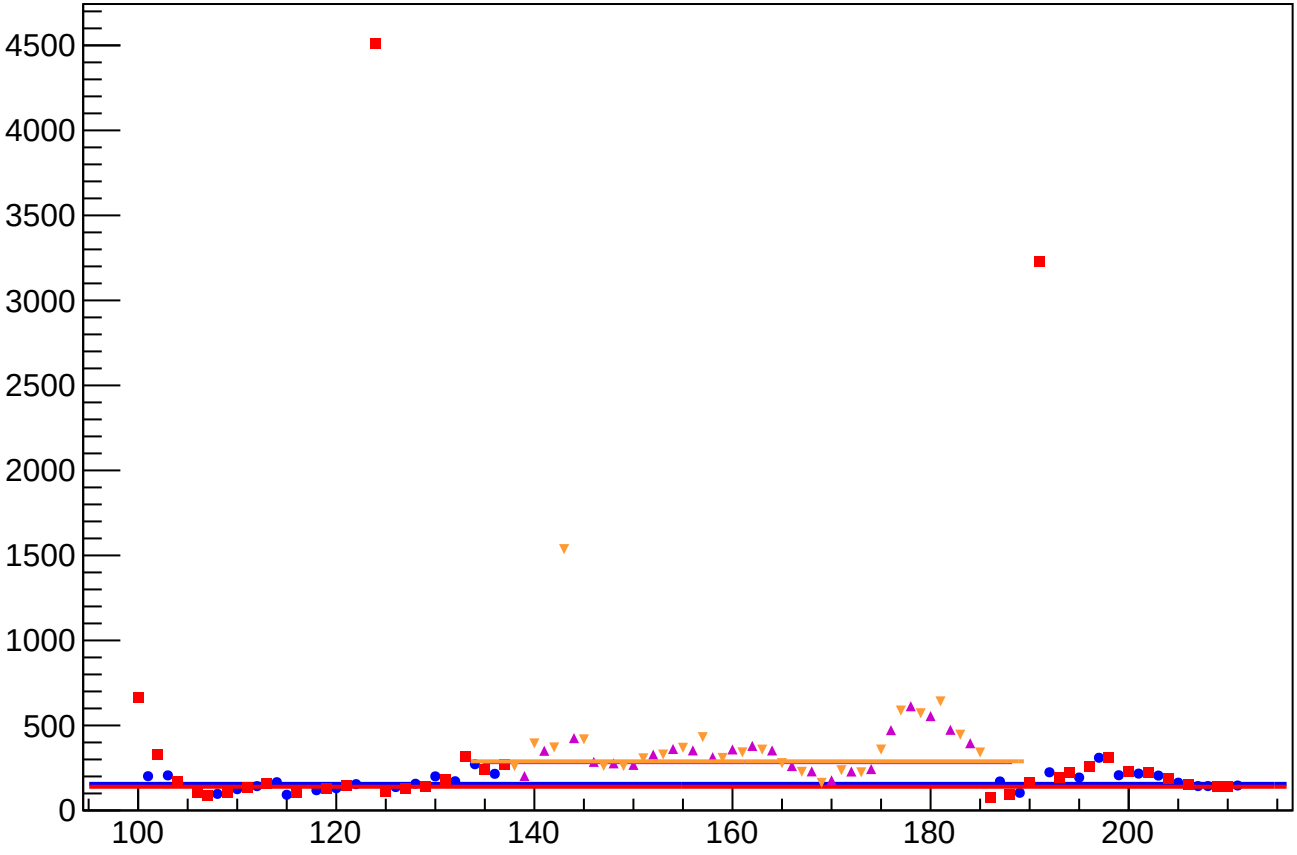
Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.028+/-0.035 χ^2/NDF: 56.2/52

All: 0.019+/-0.024 χ^2/NDF: 125.0/108

- sign 0.011+/-0.032 χ^2/NDF: 68.6/55

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 156.413+/-0.029 χ^2/NDF: 2259606.2/27

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

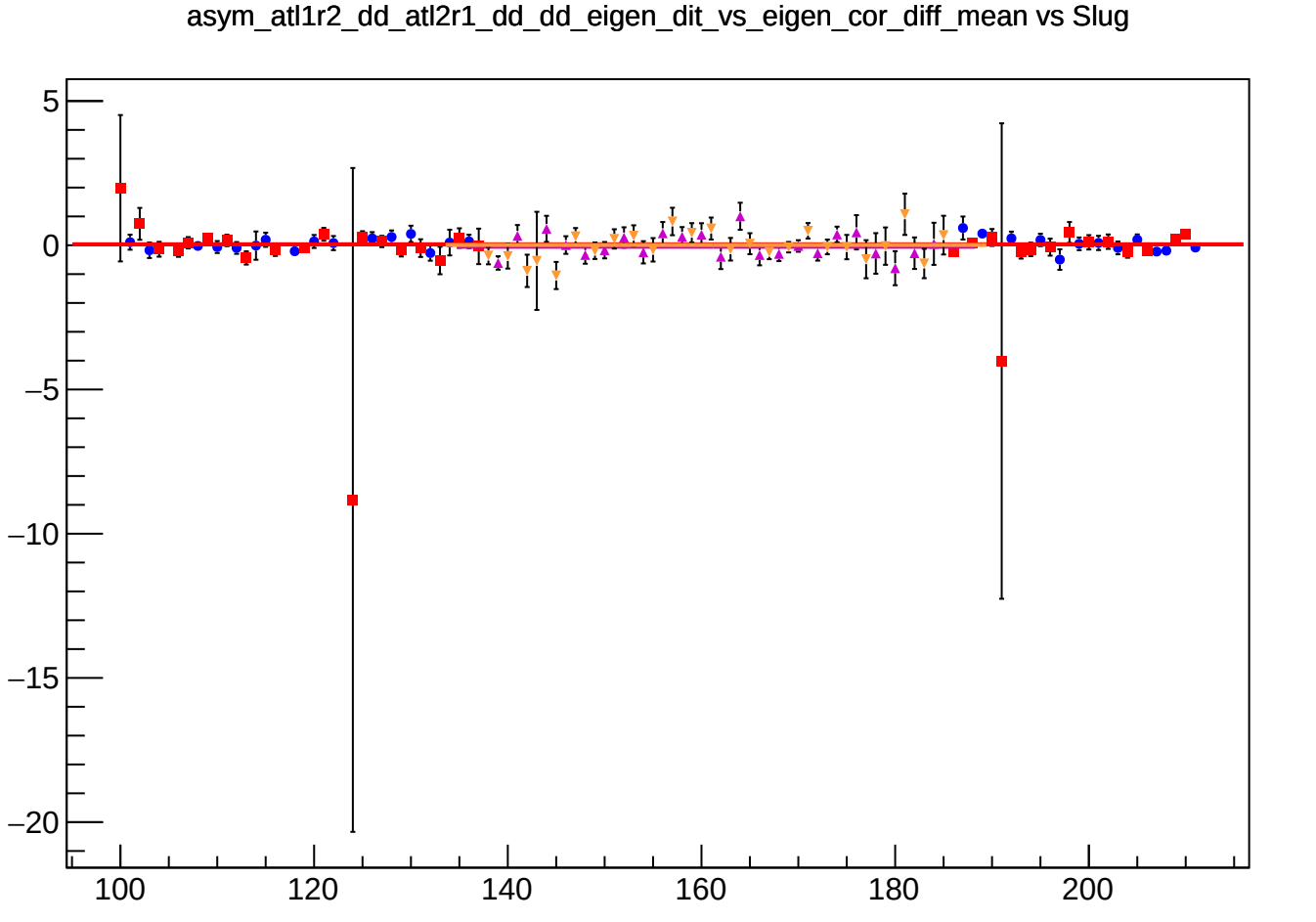
Right Out: 139.373+/-0.026 χ^2/NDF: 4674905.7/32

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

+ sign 189.127+/-0.025 χ^2/NDF: 12151749.8/52

All: 178.797+/-0.017 χ^2/NDF: 26885847.4/10

- sign 170.078+/-0.023 χ^2/NDF: 14418060.8/55



Right In: 0.034+/-0.041 χ^2/NDF: 27.2/27

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: 0.028+/-0.037 χ^2/NDF: 39.8/32

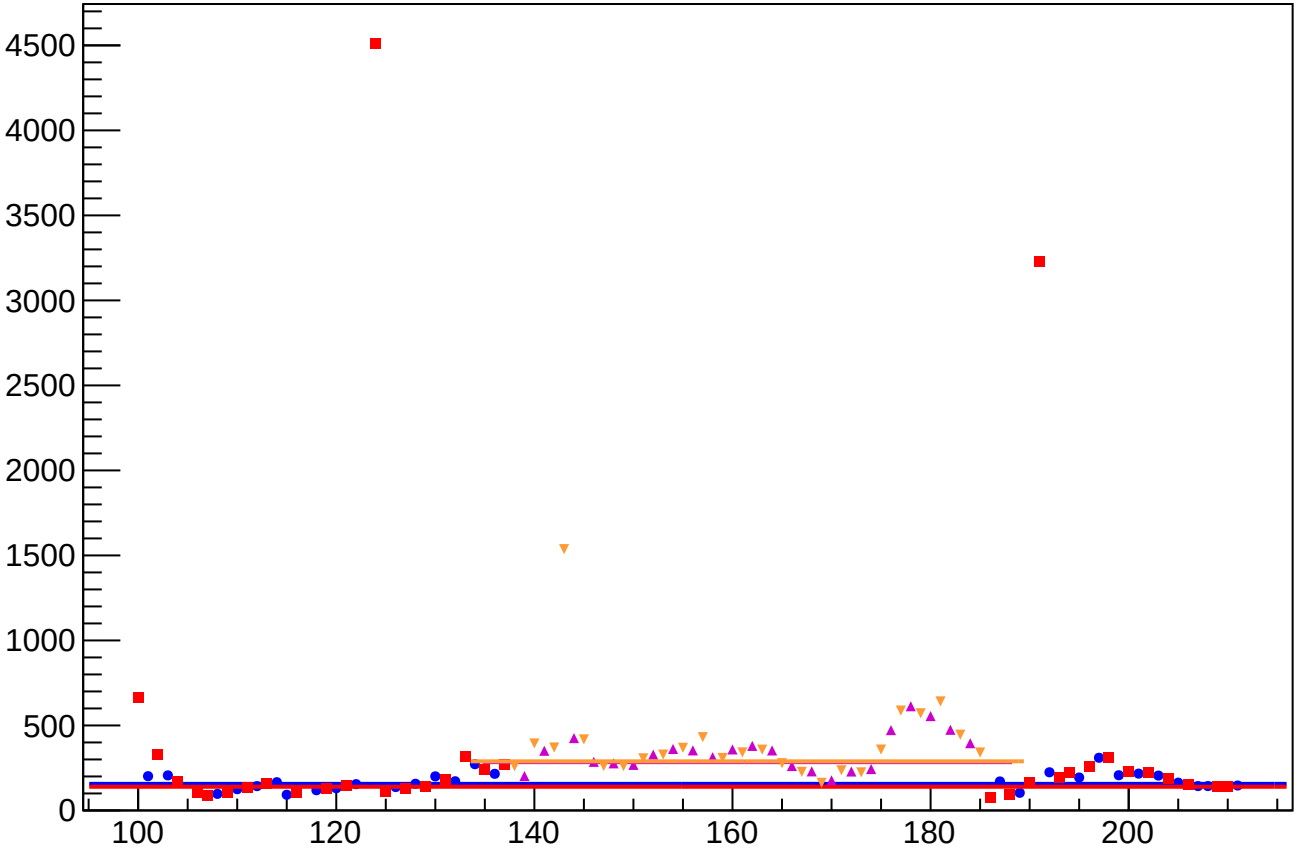
Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.028+/-0.035 χ^2/NDF: 56.2/52

All: 0.019+/-0.024 χ^2/NDF: 125.0/108

- sign 0.011+/-0.032 χ^2/NDF: 68.6/55

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 156.413+/-0.029 χ^2/NDF: 2259606.2/27

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

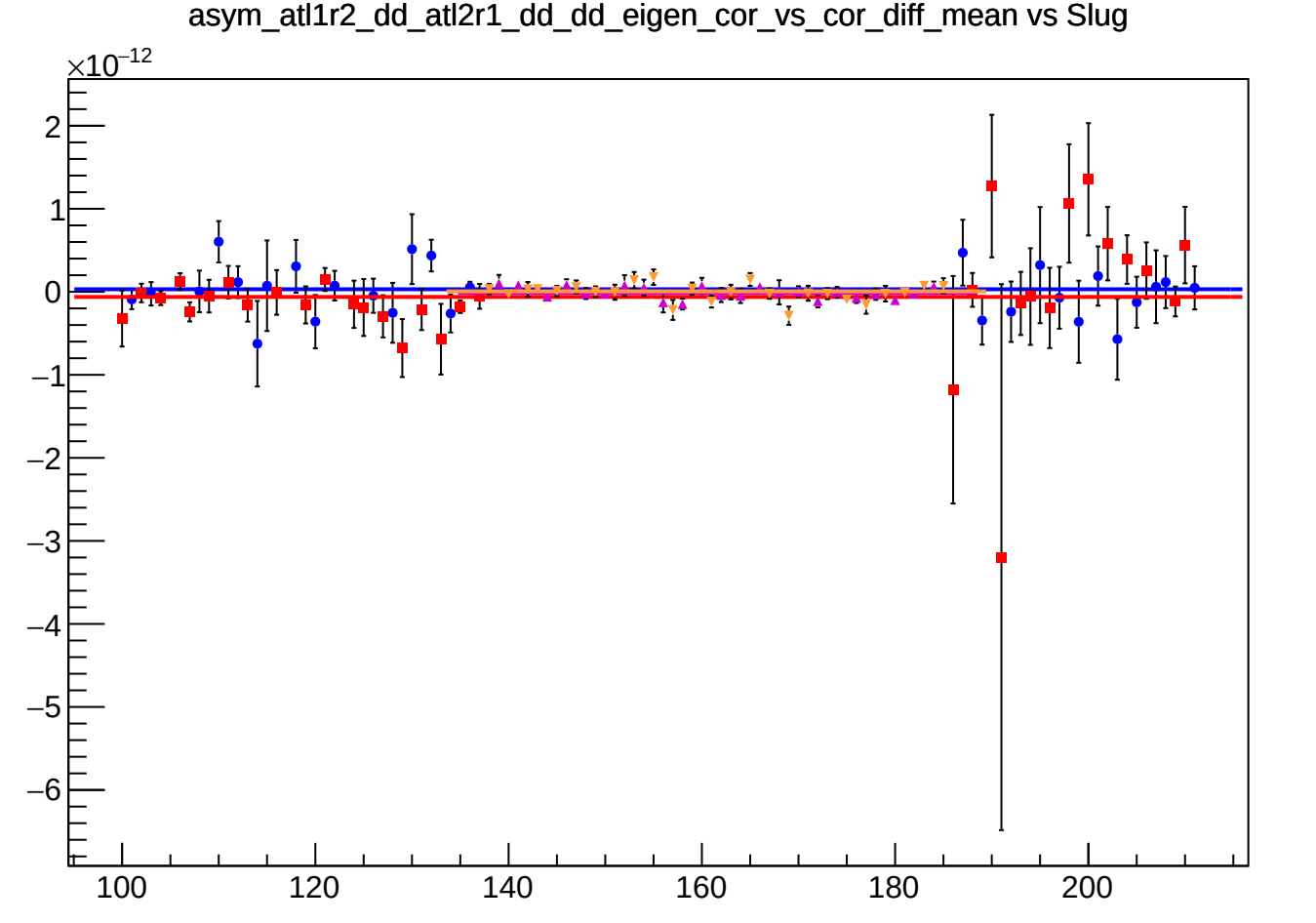
Right Out: 139.373+/-0.026 χ^2/NDF: 4674905.7/32

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

+ sign 189.127+/-0.025 χ^2/NDF: 12151749.8/52

All: 178.797+/-0.017 χ^2/NDF: 26885847.4/10

- sign 170.078+/-0.023 χ^2/NDF: 14418060.8/55



Right In: 0.000+/-0.000 χ^2/NDF: 25.5/27

Left Out: 0.000+/-0.000 χ^2/NDF:34.1/24

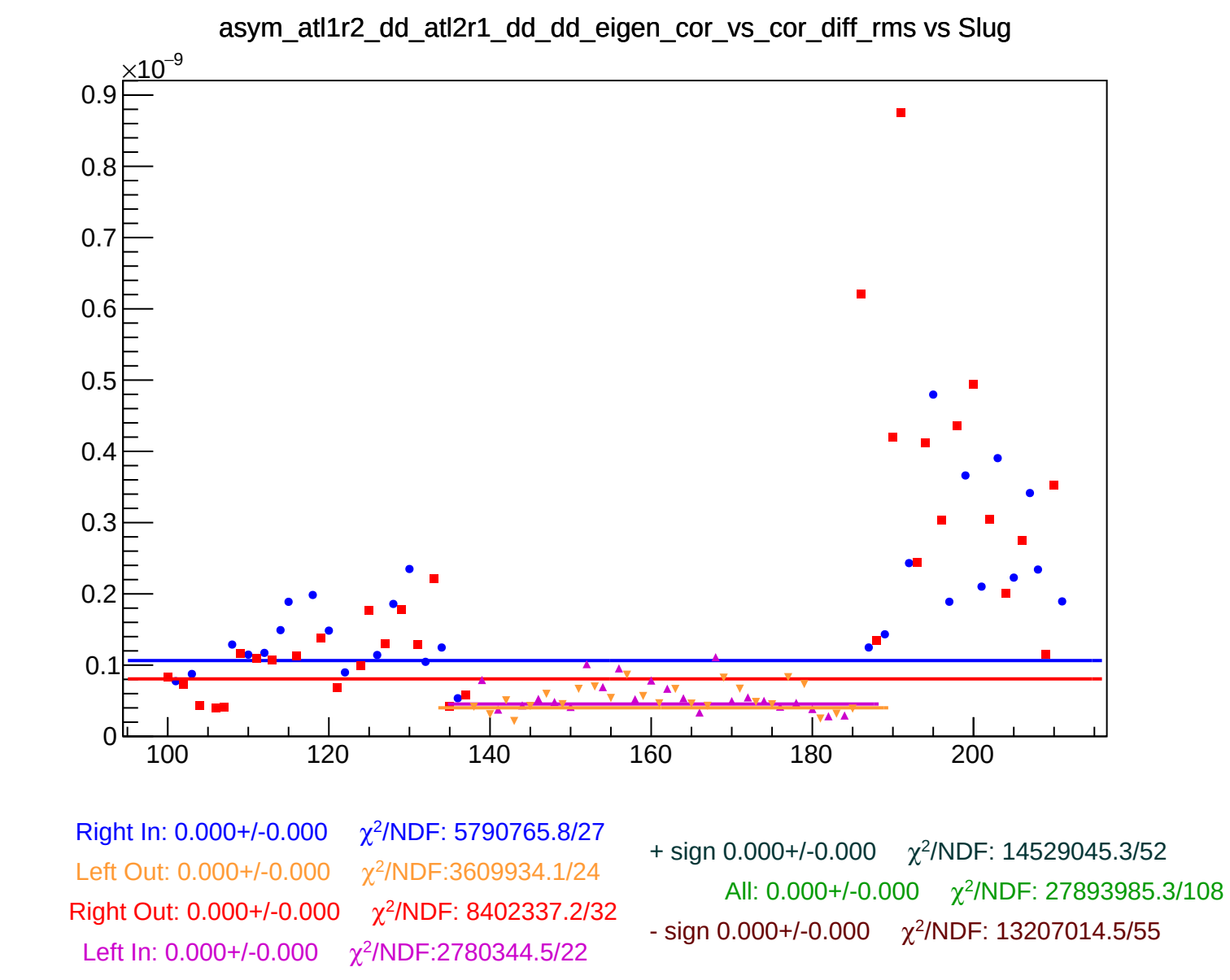
Right Out: -0.000+/-0.000 χ^2/NDF: 37.1/32

Left In: -0.000+/-0.000 χ^2/NDF:23.2/22

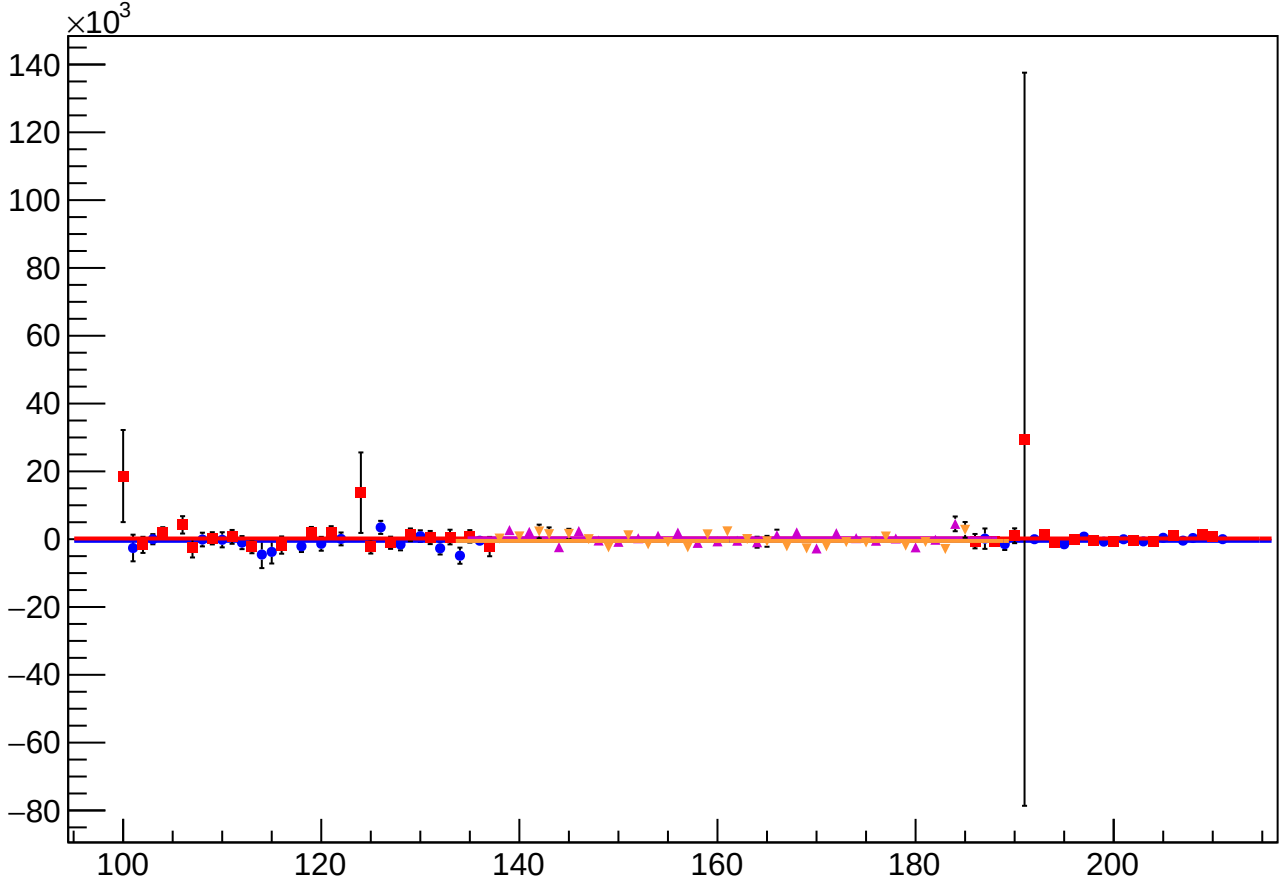
+ sign 0.000+/-0.000 χ^2/NDF: 60.0/52

All: -0.000+/-0.000 χ^2/NDF: 125.1/108

- sign -0.000+/-0.000 χ^2/NDF: 62.2/55


asym_atl1r2_dd_atl2r1_dd_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
Right In: 0.000+/-0.000 χ²/NDF: 5790765.8/27
Left Out: 0.000+/-0.000 χ²/NDF:3609934.1/24
Right Out: 0.000+/-0.000 χ²/NDF: 8402337.2/32
Left In: 0.000+/-0.000 χ²/NDF:2780344.5/22
+ sign 0.000+/-0.000 χ²/NDF: 14529045.3/52
All: 0.000+/-0.000 χ²/NDF: 27893985.3/108
- sign 0.000+/-0.000 χ²/NDF: 13207014.5/55

reg_asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug



Right In: -483.997+/-314.887 χ^2/NDF: 16.8/27

Left Out: -514.484+/-285.945 χ^2/NDF:30.9/24

Right Out: 201.580+/-306.871 χ^2/NDF: 20.6/32

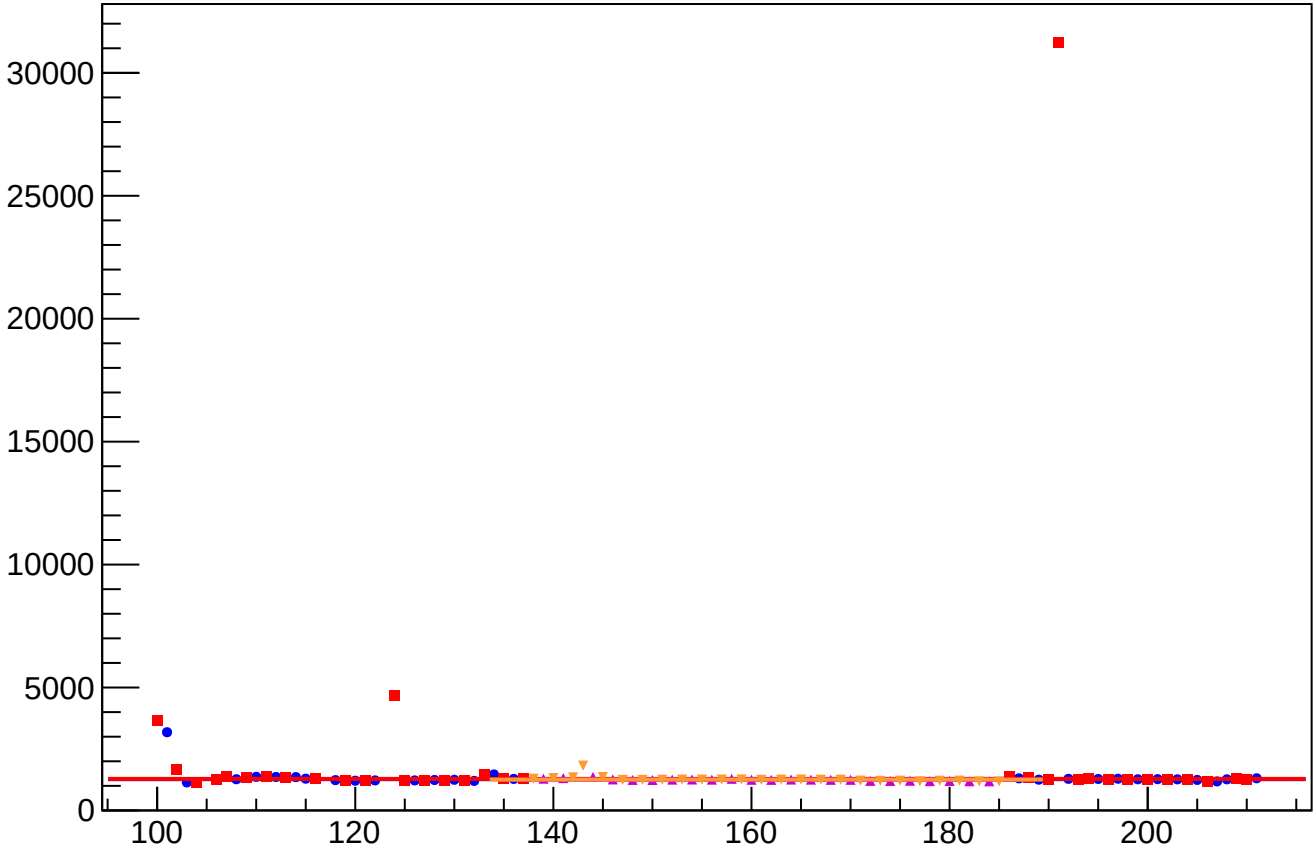
Left In: 242.686+/-291.166 χ^2/NDF:32.0/22

+ sign -500.706+/-211.688 χ^2/NDF: 47.7/52

All: -137.945+/-149.520 χ^2/NDF: 106.2/108

- sign 223.211+/-211.219 χ^2/NDF: 52.6/55

reg_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1273.158+/-0.223 χ^2/NDF: 533469.2/27

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.1/24

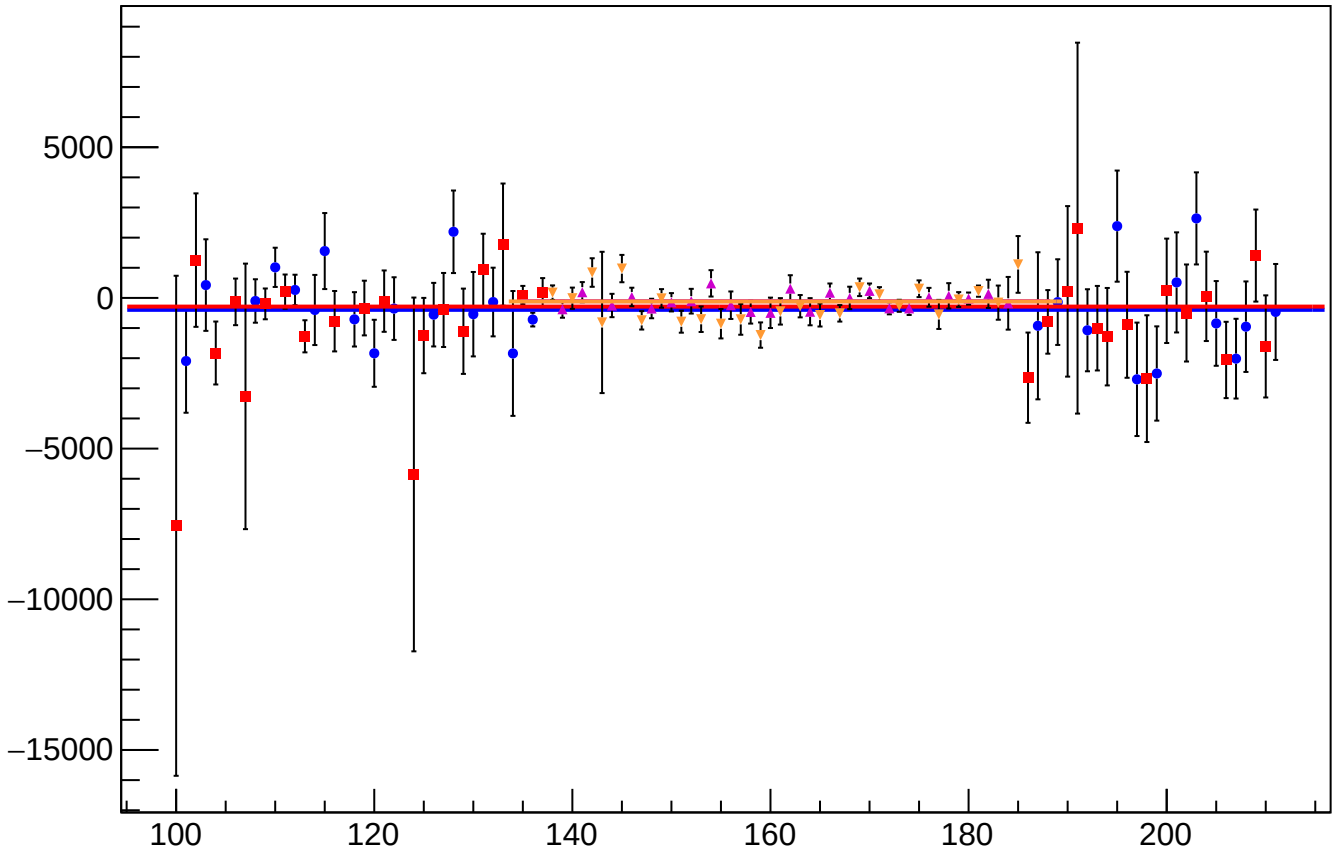
Right Out: 1283.681+/-0.217 χ^2/NDF: 507647.8/32

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

+ sign 1263.488+/-0.150 χ^2/NDF: 740034.8/52

All: 1263.764+/-0.106 χ^2/NDF: 1303118.1/10

- sign 1264.038+/-0.149 χ^2/NDF: 563076.6/55



Right In: -395.659+/-157.642 χ^2/NDF: 30.1/27

Left Out: -117.028+/-65.059 χ^2/NDF:48.4/24

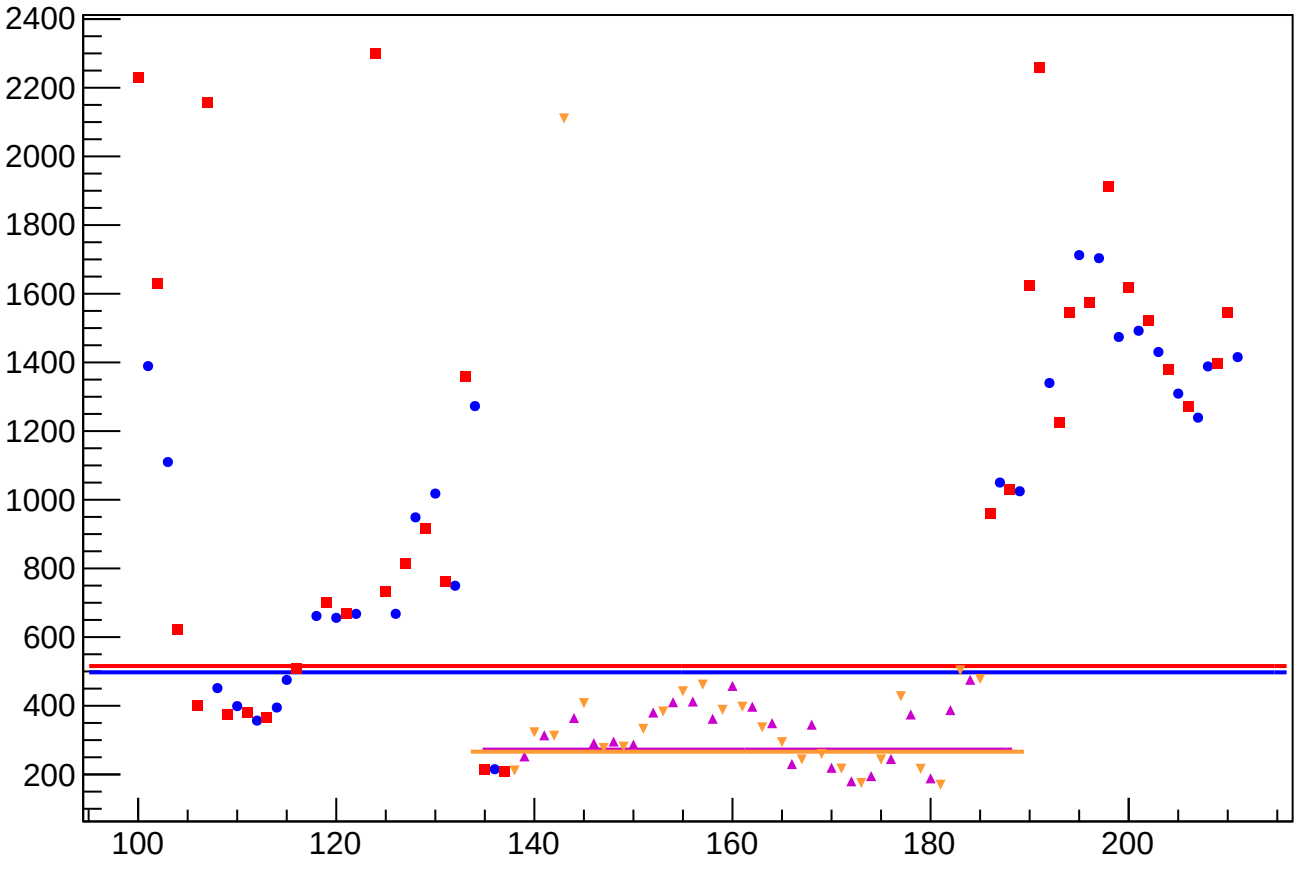
Right Out: -288.112+/-157.550 χ^2/NDF: 23.9/32

Left In: -107.341+/-67.001 χ^2/NDF:13.7/22

\+ sign -157.578+/-60.139 χ^2/NDF: 81.2/52

All: -146.584+/-43.051 χ^2/NDF: 120.0/108

\- sign -135.027+/-61.657 χ^2/NDF: 38.8/55



Right In: 497.382+/-0.111 χ^2/NDF: 12960427.3/27

Left Out: 266.321+/-0.046 χ^2/NDF:4630130.4/24

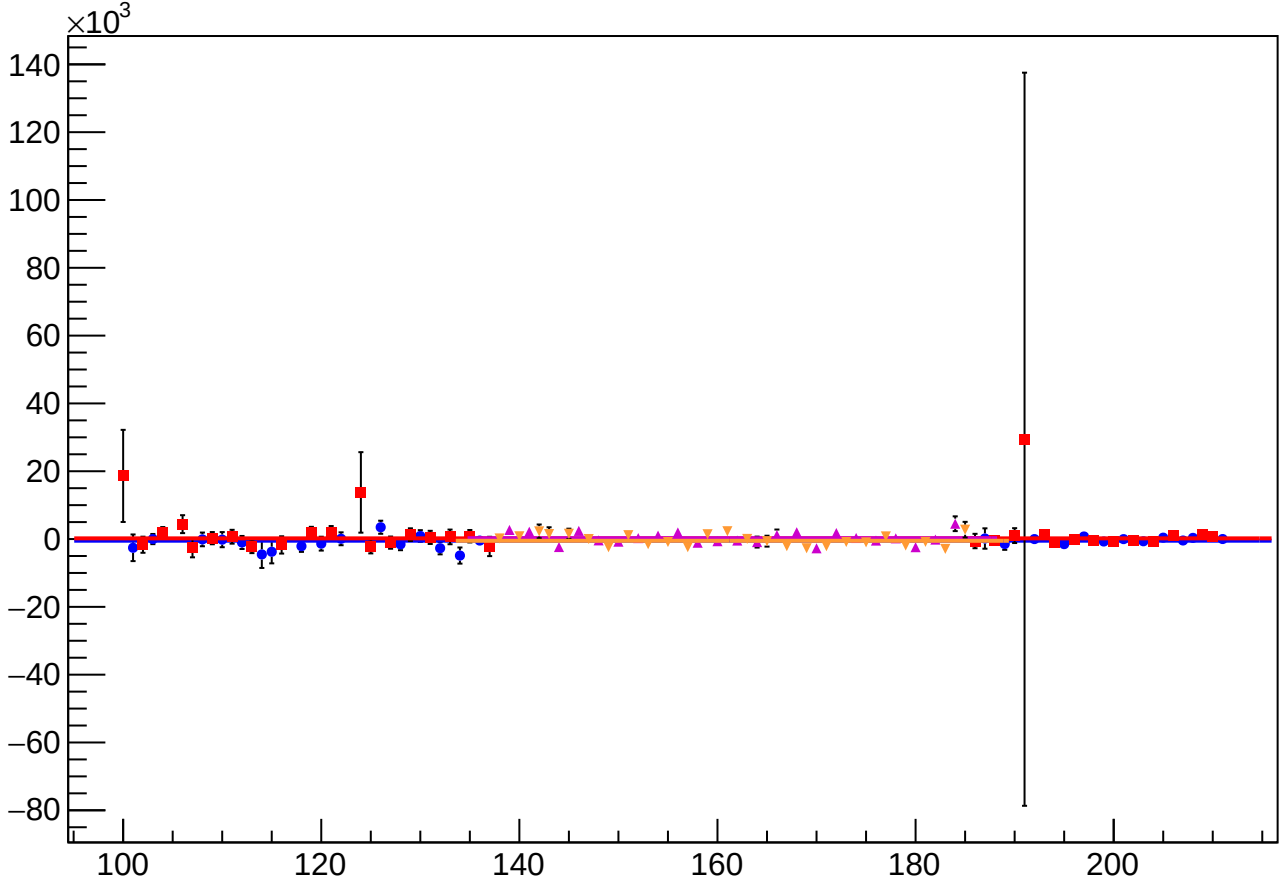
Right Out: 515.728+/-0.111 χ^2/NDF: 13710459.9/32

Left In: 272.368+/-0.047 χ^2/NDF:2887823.5/22

+ sign 299.948+/-0.043 χ^2/NDF: 21261977.0/52

All: 304.673+/-0.030 χ^2/NDF: 41926649.3/10

- sign 309.639+/-0.044 χ^2/NDF: 20639350.2/55



Right In: -483.847+/-314.888 χ^2/NDF: 16.7/27

Left Out: -514.430+/-285.945 χ^2/NDF:30.9/24

Right Out: 200.417+/-307.003 χ^2/NDF: 20.6/32

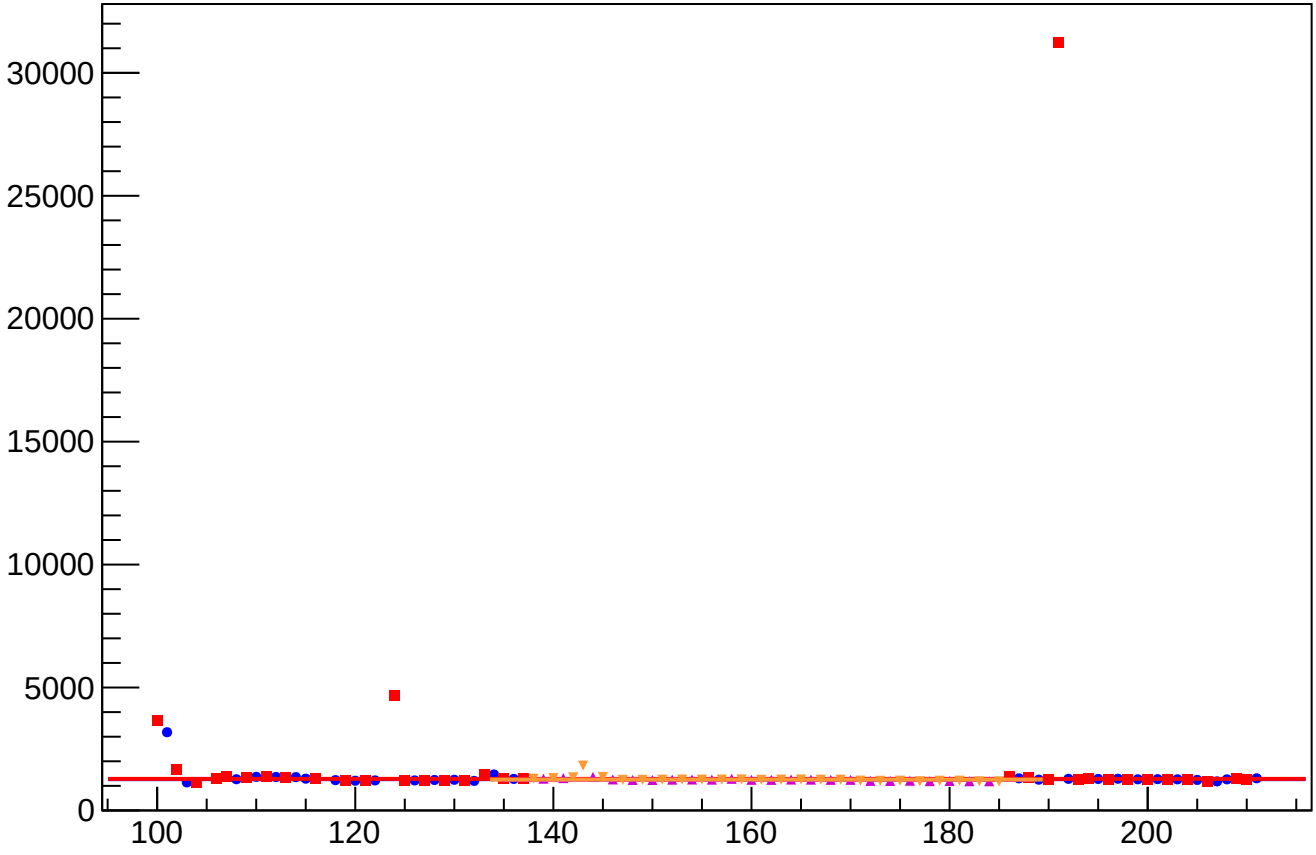
Left In: 242.663+/-291.166 χ^2/NDF:32.0/22

+ sign -500.608+/-211.688 χ^2/NDF: 47.7/52

All: -138.248+/-149.535 χ^2/NDF: 106.2/108

- sign 222.657+/-211.262 χ^2/NDF: 52.7/55

cor_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1273.158+/-0.223 χ^2/NDF: 533470.6/27

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.0/24

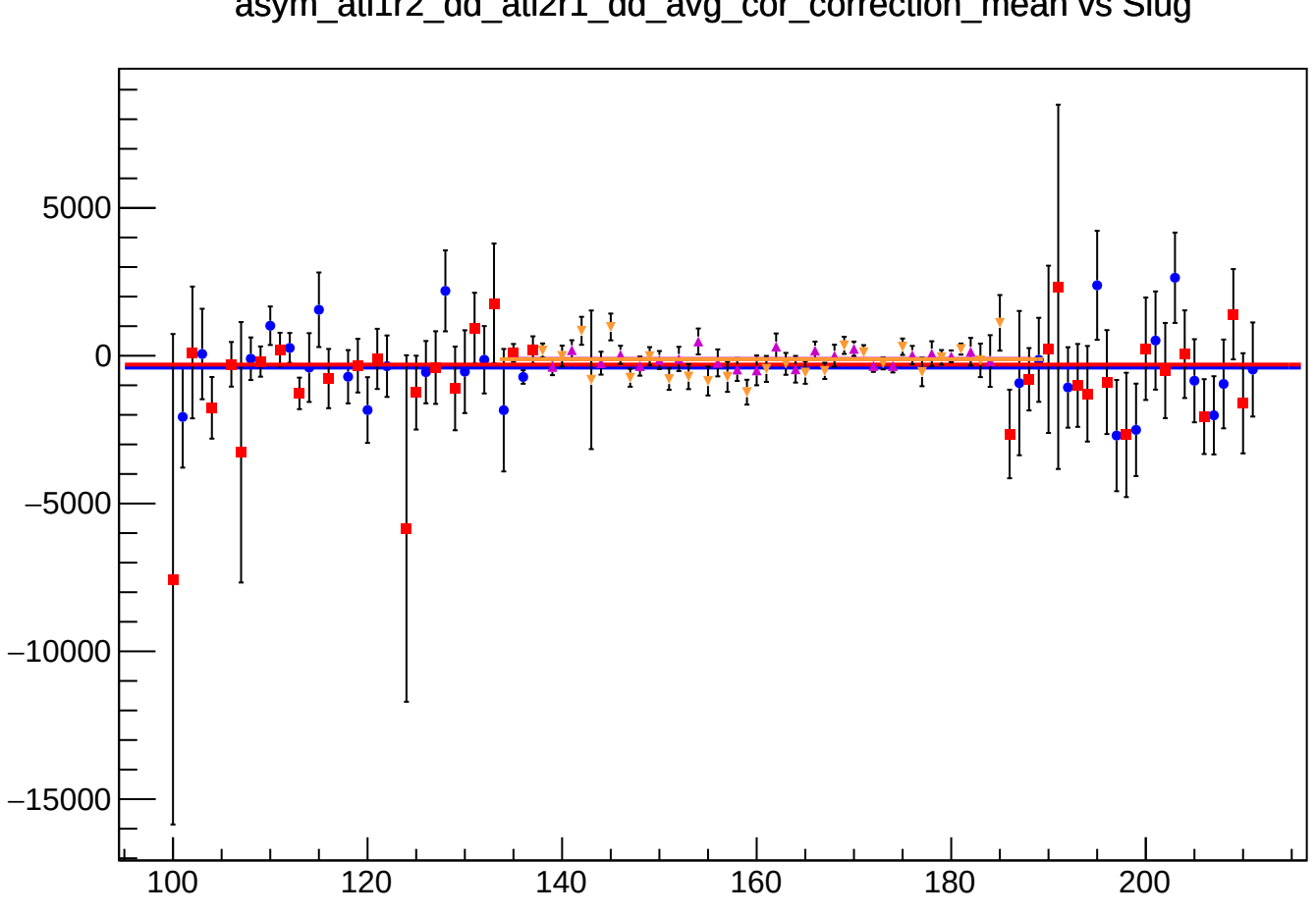
Right Out: 1284.249+/-0.217 χ^2/NDF: 507628.7/32

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

+ sign 1263.488+/-0.150 χ^2/NDF: 740036.1/52

All: 1263.894+/-0.106 χ^2/NDF: 1303578.3/10

- sign 1264.299+/-0.149 χ^2/NDF: 563527.5/55



Right In: -399.578+/-157.658 χ^2/NDF: 29.9/27

Left Out: -117.002+/-65.060 χ^2/NDF:48.4/24

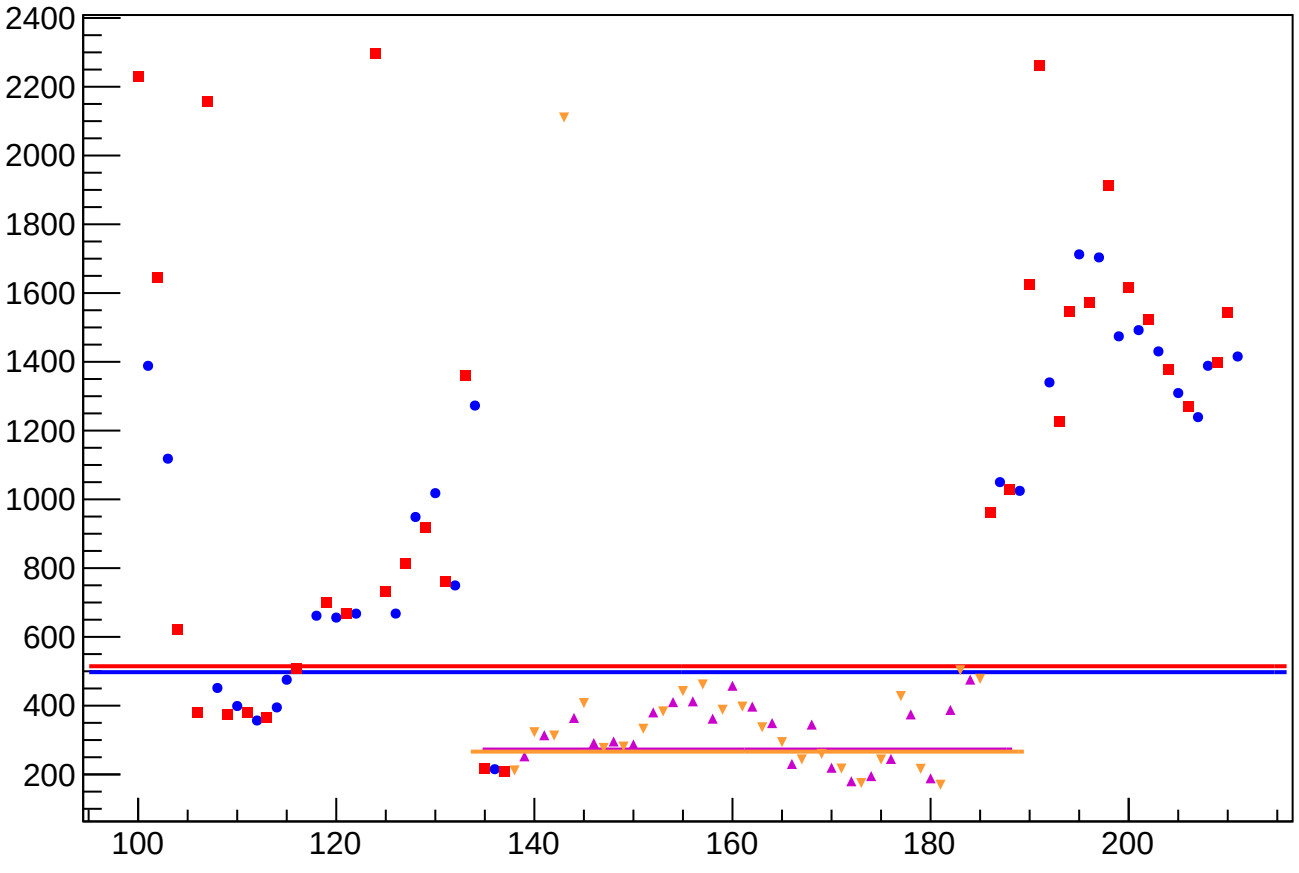
Right Out: -299.308+/-157.392 χ^2/NDF: 23.2/32

Left In: -107.459+/-67.003 χ^2/NDF:13.7/22

+ sign -158.121+/-60.141 χ^2/NDF: 81.0/52

All: -147.770+/-43.049 χ^2/NDF: 119.3/108

- sign -136.893+/-61.649 χ^2/NDF: 38.2/55


asym_atl1r2_dd_atl2r1_dd_avg_cor_correction_rms vs Slug
2400
2200
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1400
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1000
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600
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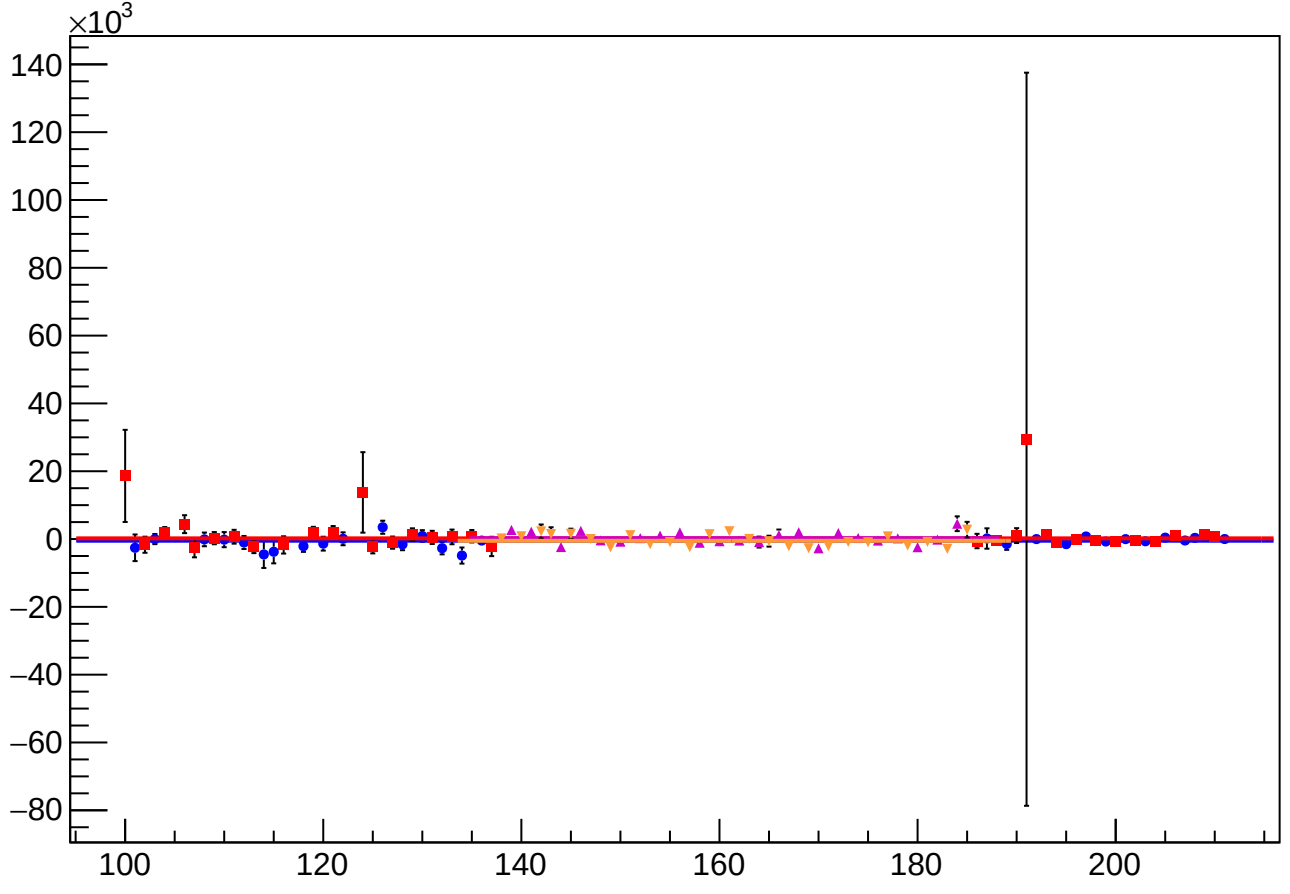
200
100
120
140
160
180
200
Right In: 497.399+/-0.111 χ²/NDF: 12963488.0/27
Left Out: 266.326+/-0.046 χ²/NDF:4630167.4/24
Right Out: 514.650+/-0.111 χ²/NDF: 13736257.1/32
Left In: 272.378+/-0.047 χ²/NDF:2887597.1/22
+ sign 299.951+/-0.043 χ²/NDF: 21264770.6/52
All: 304.630+/-0.030 χ²/NDF: 41925289.6/10
- sign 309.548+/-0.044 χ²/NDF: 20635684.7/55



Right In: -483.847+/-314.888 χ^2/NDF: 16.7/27

Left Out: -514.430+/-285.945 χ^2/NDF:30.9/24

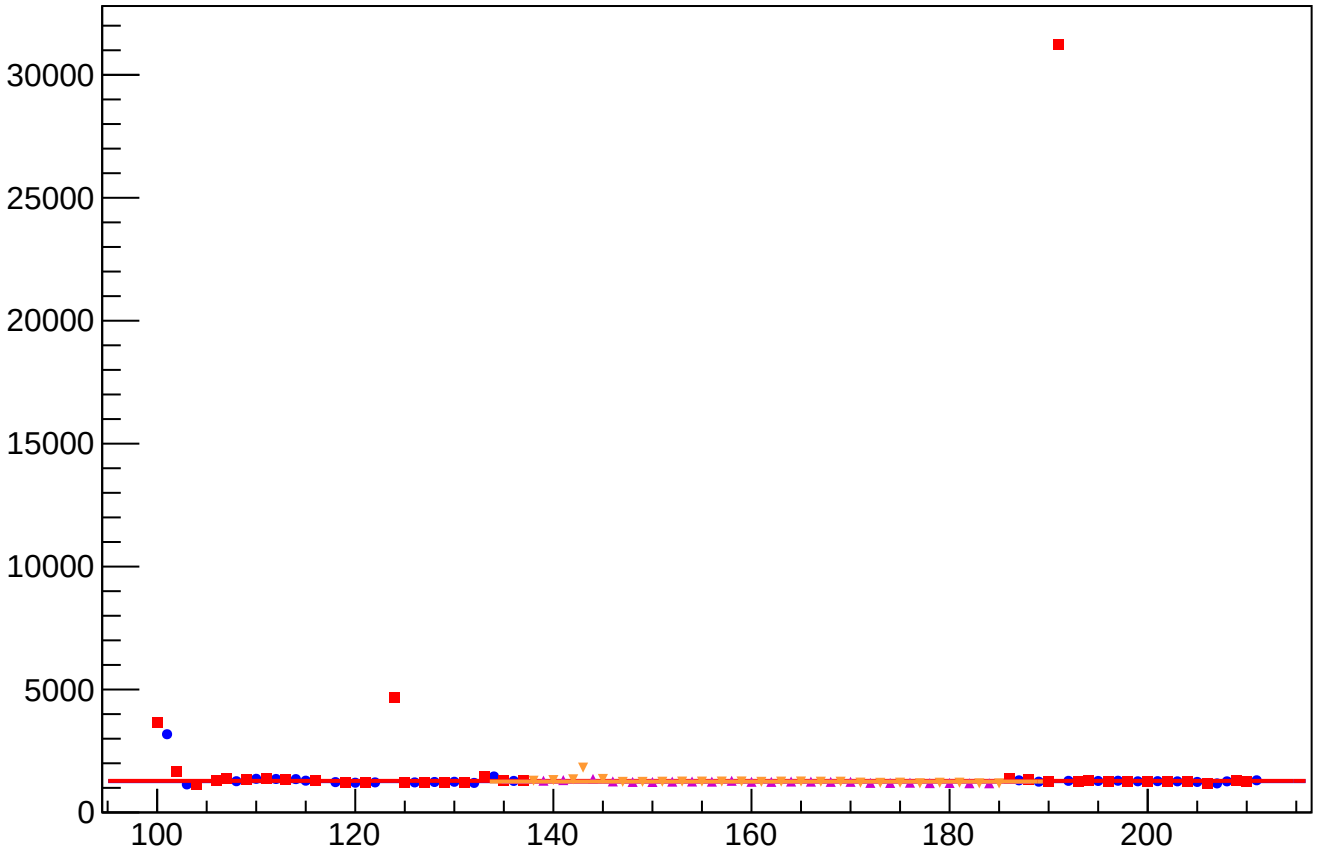
Right Out: 200.417+/-307.003 χ^2/NDF: 20.6/32

Left In: 242.663+/-291.166 χ^2/NDF:32.0/22

+ sign -500.608+/-211.688 χ^2/NDF: 47.7/52

All: -138.248+/-149.535 χ^2/NDF: 106.2/108

- sign 222.657+/-211.262 χ^2/NDF: 52.7/55



Right In: 1273.158+/-0.223 χ^2/NDF: 533470.6/27

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.0/24

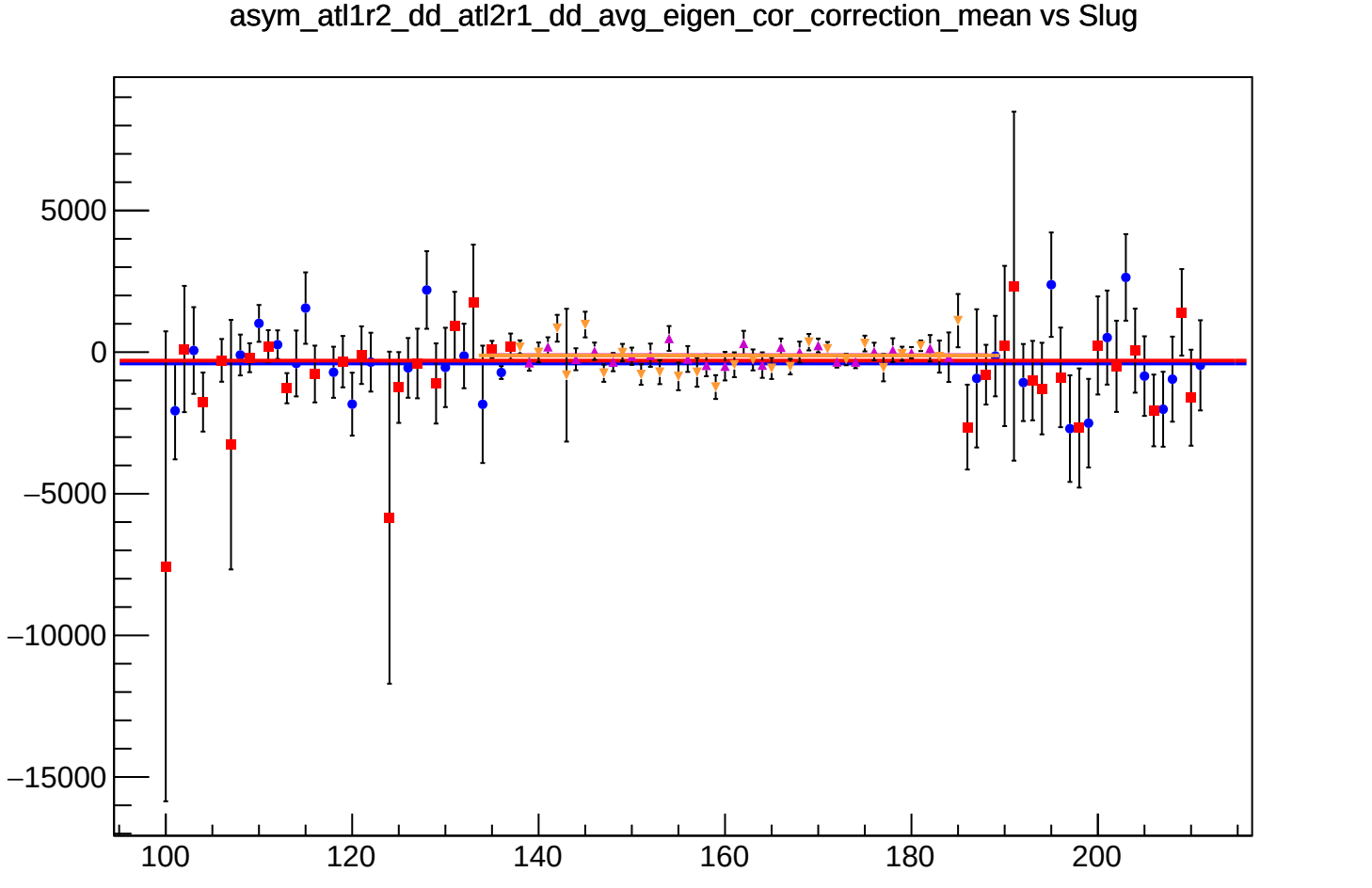
Right Out: 1284.249+/-0.217 χ^2/NDF: 507628.7/32

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

+ sign 1263.488+/-0.150 χ^2/NDF: 740036.1/52

All: 1263.894+/-0.106 χ^2/NDF: 1303578.3/10

- sign 1264.299+/-0.149 χ^2/NDF: 563527.5/55



Right In: -399.578+/-157.658 χ^2/NDF: 29.9/27

Left Out: -117.002+/-65.060 χ^2/NDF:48.4/24

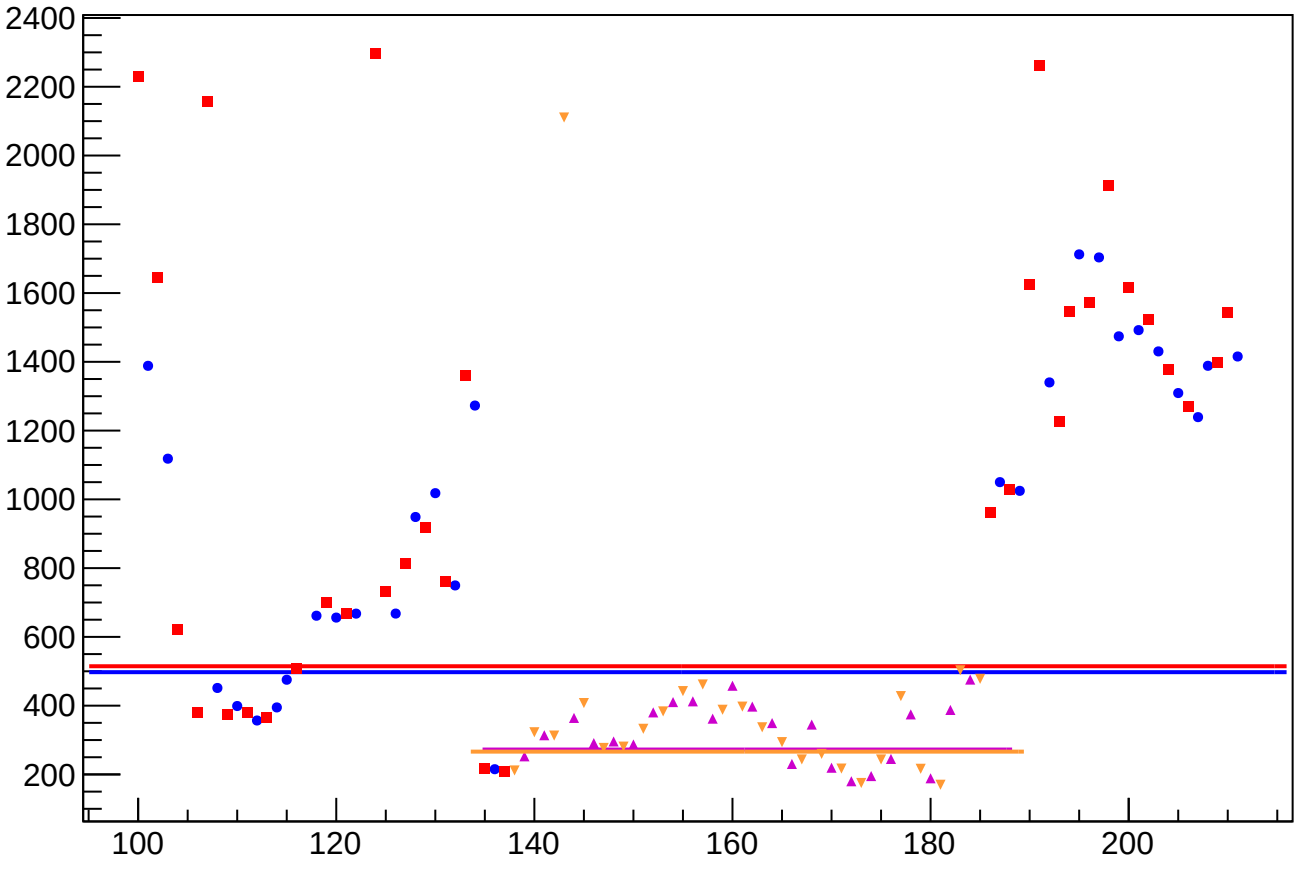
Right Out: -299.308+/-157.392 χ^2/NDF: 23.2/32

Left In: -107.459+/-67.003 χ^2/NDF:13.7/22

+ sign -158.121+/-60.141 χ^2/NDF: 81.0/52

All: -147.770+/-43.049 χ^2/NDF: 119.3/108

- sign -136.893+/-61.649 χ^2/NDF: 38.2/55


asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_correction_rms vs Slug
2400
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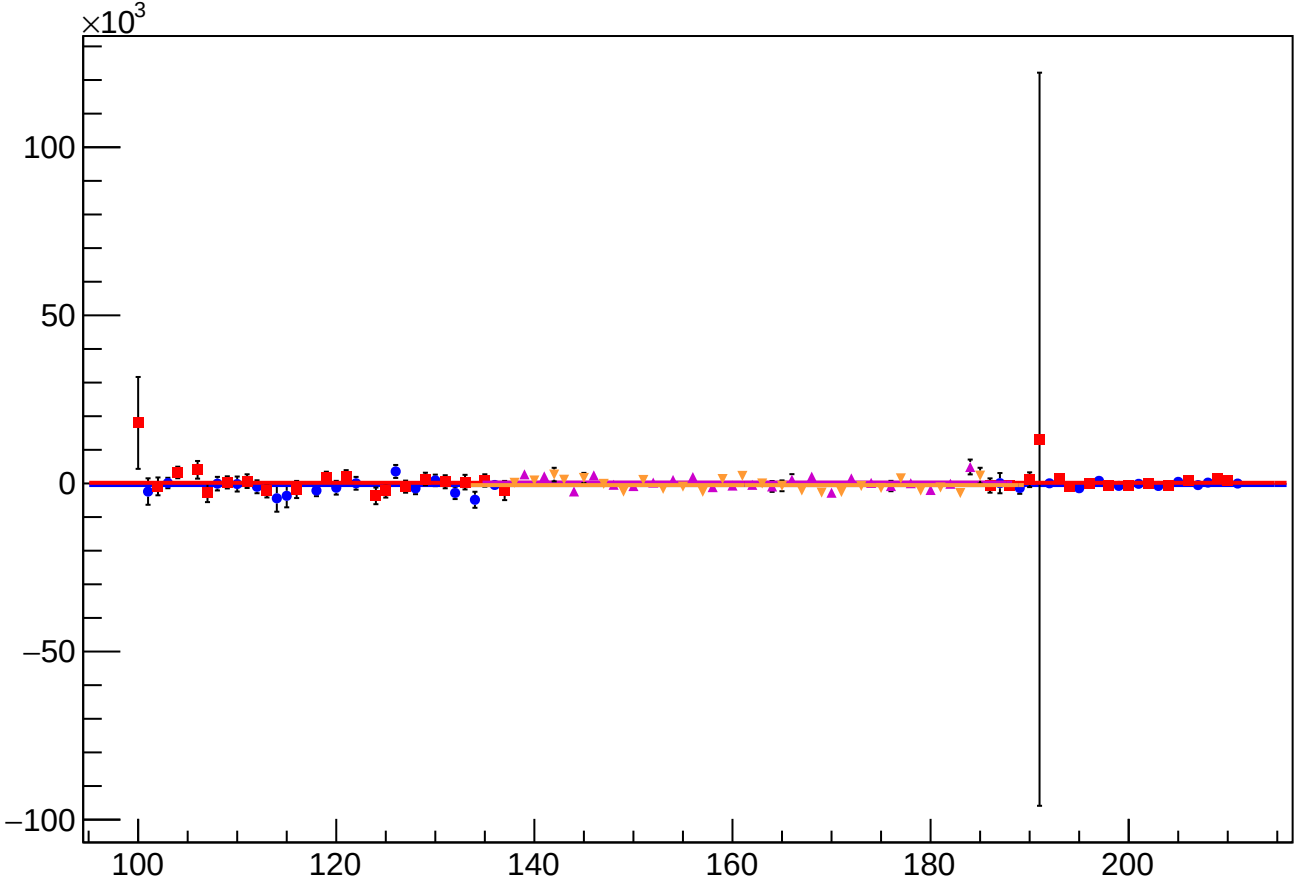
180
200
Right In: 497.399+/-0.111 χ²/NDF: 12963488.0/27
Left Out: 266.326+/-0.046 χ²/NDF:4630167.4/24
Right Out: 514.650+/-0.111 χ²/NDF: 13736257.1/32
Left In: 272.378+/-0.047 χ²/NDF:2887597.1/22
+ sign 299.951+/-0.043 χ²/NDF: 21264770.6/52
All: 304.630+/-0.030 χ²/NDF: 41925289.6/10
- sign 309.548+/-0.044 χ²/NDF: 20635684.7/55

dit_asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug



Right In: -479.458+/-315.819 χ^2/NDF: 16.7/27

Left Out: -493.436+/-282.734 χ^2/NDF:34.2/24

Right Out: 194.371+/-306.419 χ^2/NDF: 22.5/32

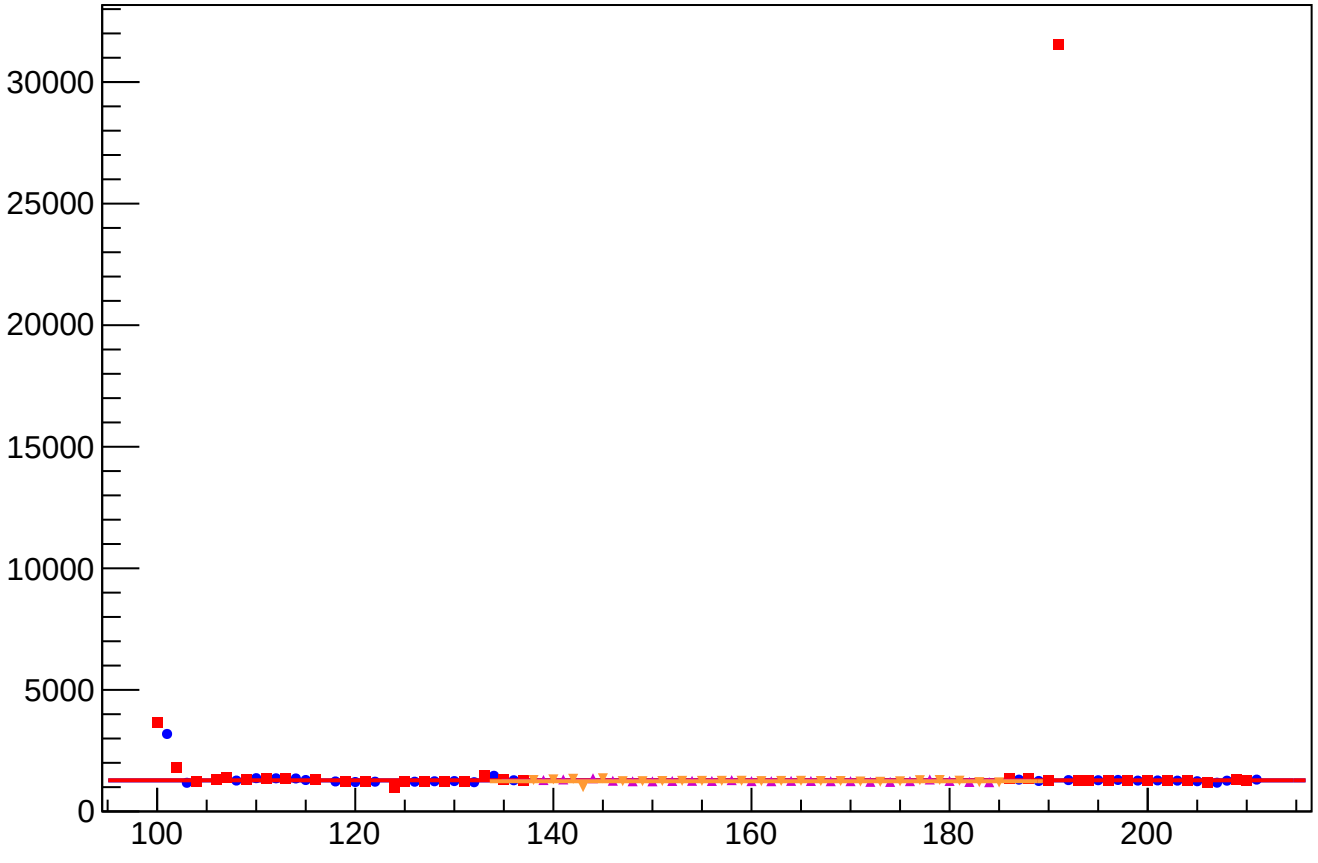
Left In: 242.004+/-294.339 χ^2/NDF:30.7/22

+ sign -487.217+/-210.652 χ^2/NDF: 50.9/52

All: -136.740+/-149.523 χ^2/NDF: 109.7/108

- sign 219.145+/-212.271 χ^2/NDF: 53.2/55

dit_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1277.011+/-0.223 χ^2/NDF: 526070.9/27

Left Out: 1242.539+/-0.200 χ^2/NDF:130023.1/24

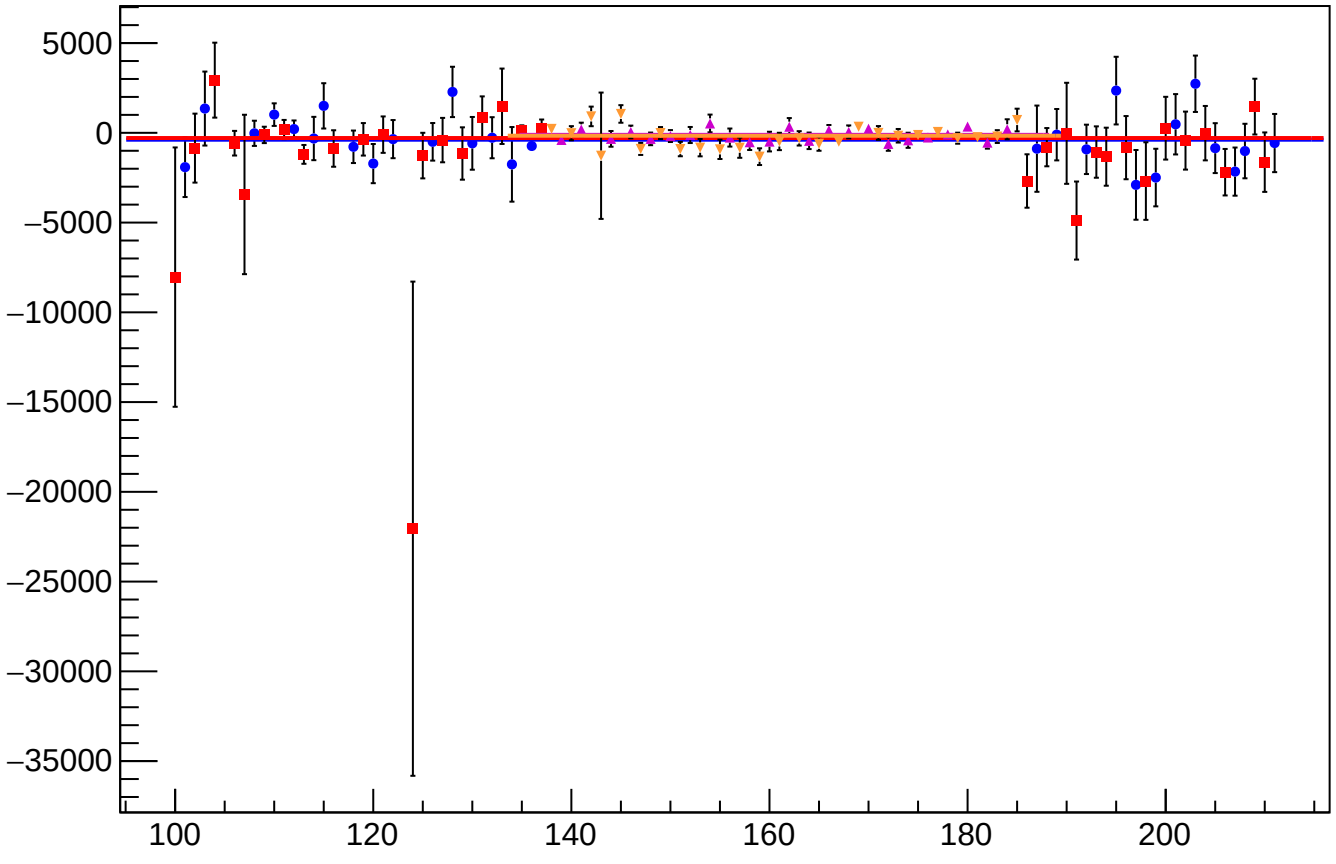
Right Out: 1281.875+/-0.217 χ^2/NDF: 388022.5/32

Left In: 1260.094+/-0.208 χ^2/NDF:27932.1/22

+ sign 1257.876+/-0.149 χ^2/NDF: 669321.2/52

All: 1264.163+/-0.106 χ^2/NDF: 1094122.5/10

- sign 1270.547+/-0.150 χ^2/NDF: 421210.7/55



Right In: -382.989+/-159.340 χ^2/NDF: 30.5/27

Left Out: -160.930+/-64.133 χ^2/NDF:43.8/24

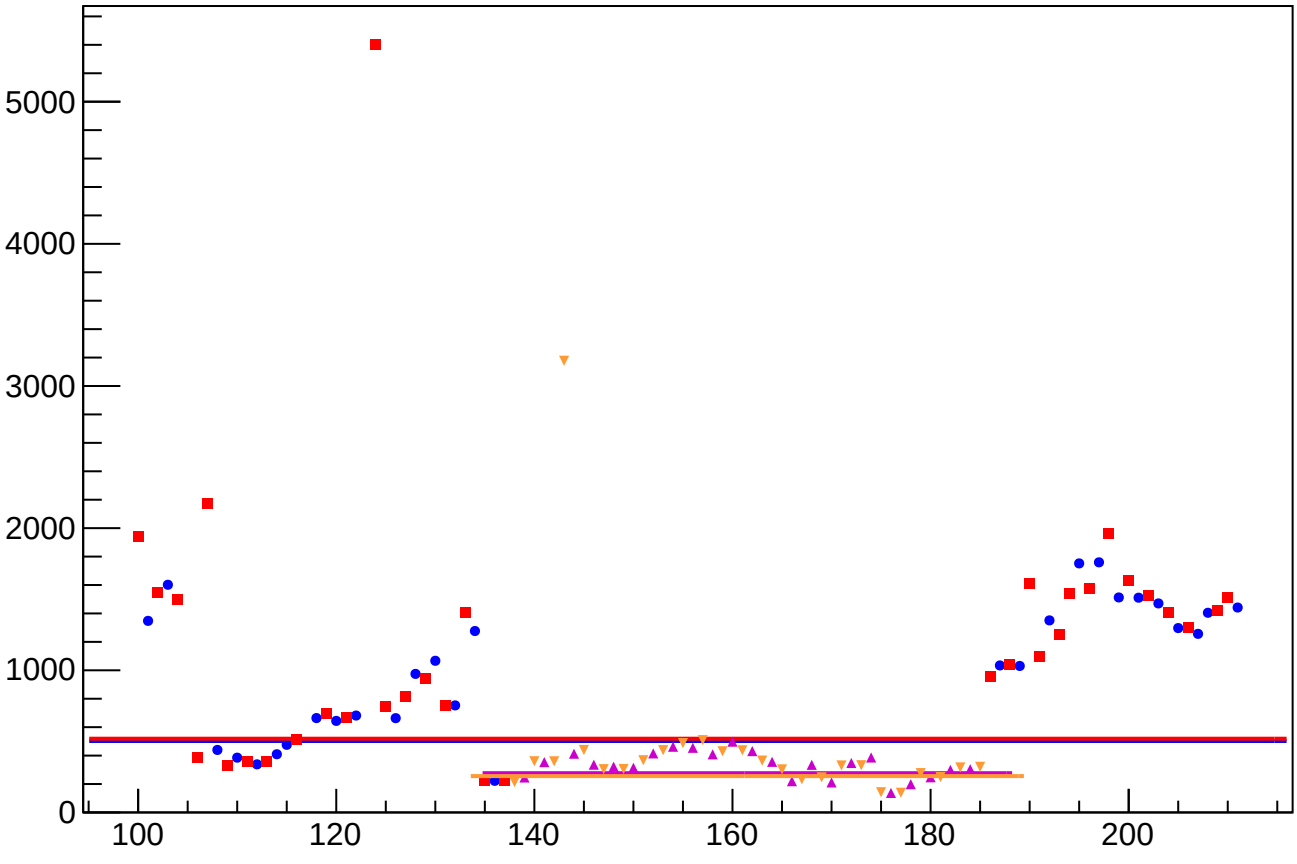
Right Out: -290.097+/-157.449 χ^2/NDF: 30.0/32

Left In: -113.722+/-68.841 χ^2/NDF:18.2/22

+ sign -191.888+/-59.494 χ^2/NDF: 75.9/52

All: -168.413+/-43.279 χ^2/NDF: 125.5/108

- sign -142.027+/-63.075 χ^2/NDF: 49.3/55



Right In: 502.779+/-0.113 χ^2/NDF: 13117690.3/27

Left Out: 255.768+/-0.045 χ^2/NDF:6373929.4/24

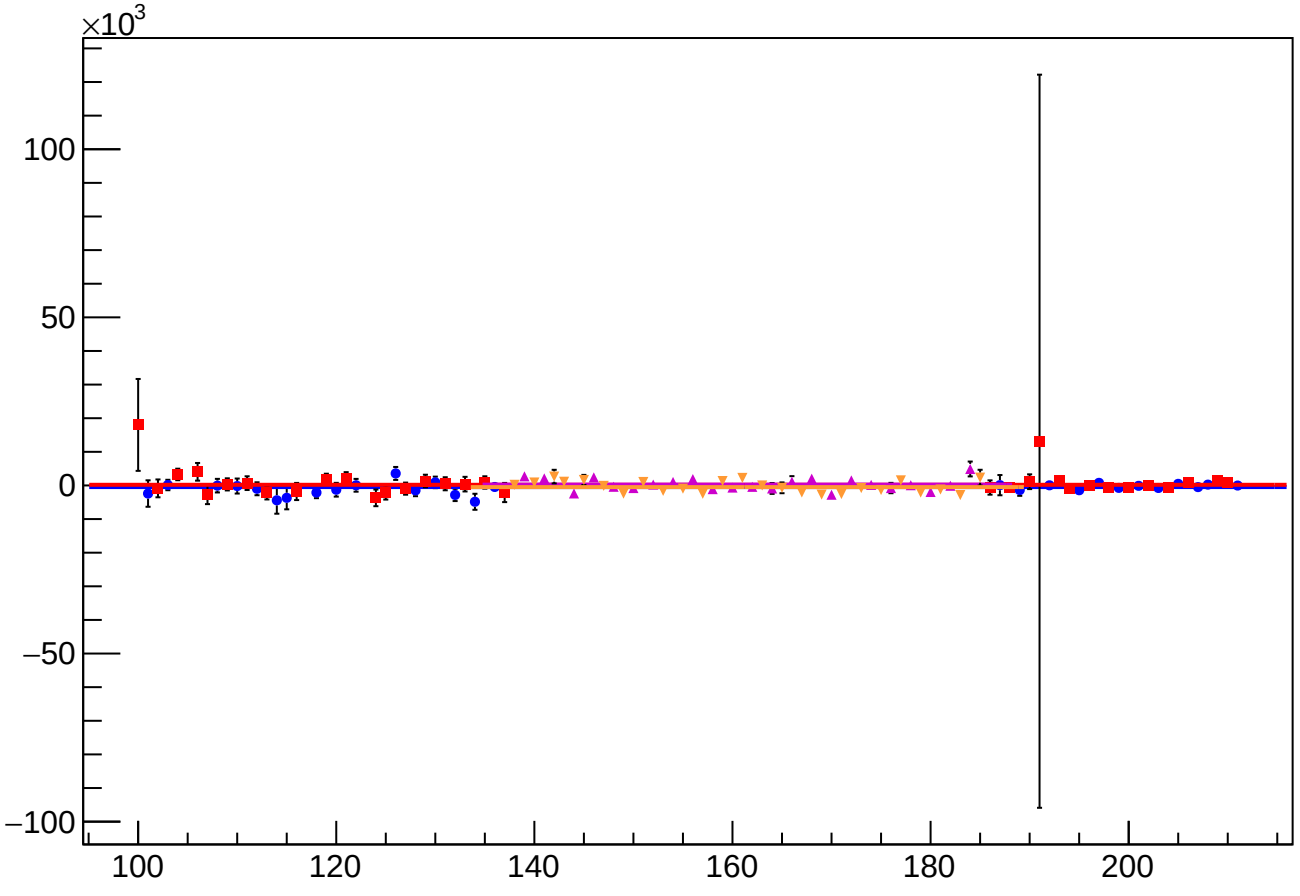
Right Out: 518.749+/-0.111 χ^2/NDF: 14250349.1/32

Left In: 276.298+/-0.049 χ^2/NDF:4027410.5/22

+ sign 290.205+/-0.042 χ^2/NDF: 23627870.9/52

All: 301.977+/-0.031 χ^2/NDF: 46053253.8/10

- sign 315.208+/-0.045 χ^2/NDF: 22259067.7/55



Right In: -479.458+/-315.819 χ^2/NDF: 16.7/27

Left Out: -493.435+/-282.734 χ^2/NDF:34.2/24

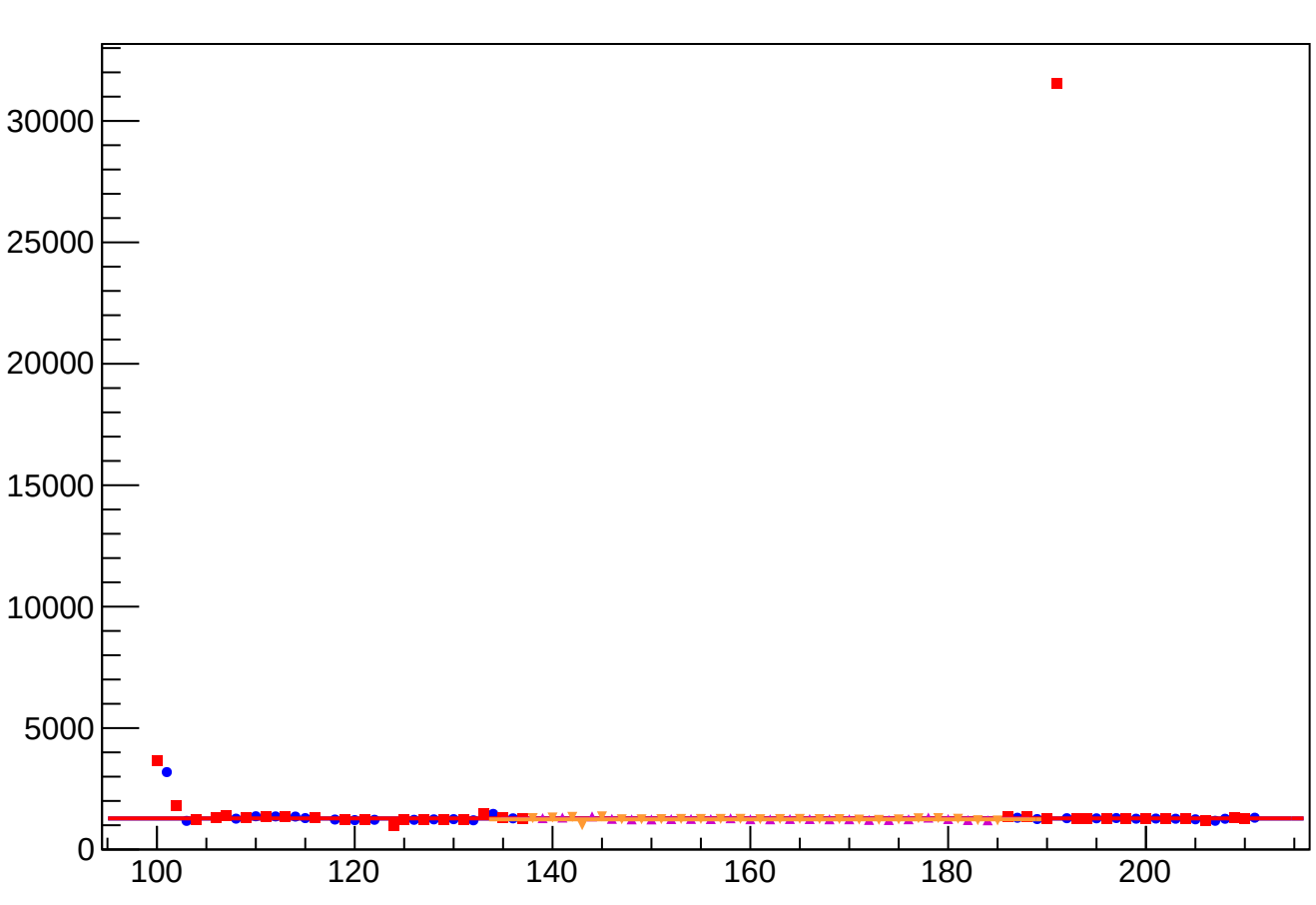
Right Out: 194.371+/-306.419 χ^2/NDF: 22.5/32

Left In: 242.004+/-294.339 χ^2/NDF:30.7/22

+ sign -487.217+/-210.652 χ^2/NDF: 50.9/52

All: -136.740+/-149.523 χ^2/NDF: 109.7/108

- sign 219.145+/-212.271 χ^2/NDF: 53.2/55



Right In: 1277.011+/-0.223 χ^2/NDF: 526071.0/27

Left Out: 1242.539+/-0.200 χ^2/NDF:130022.2/24

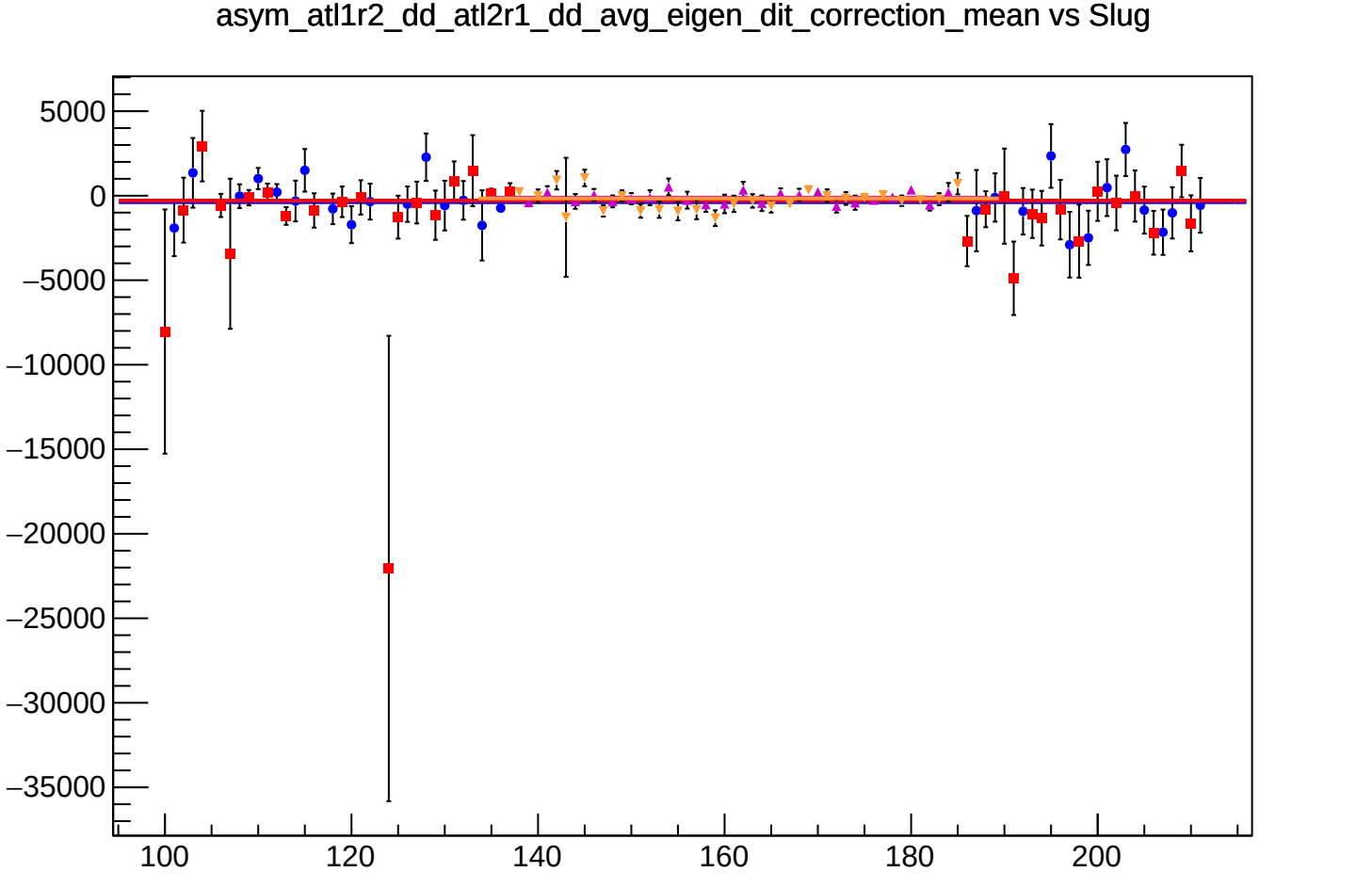
Right Out: 1281.875+/-0.217 χ^2/NDF: 388022.8/32

Left In: 1260.094+/-0.208 χ^2/NDF:27932.2/22

+ sign 1257.876+/-0.149 χ^2/NDF: 669320.3/52

All: 1264.163+/-0.106 χ^2/NDF: 1094121.9/10

- sign 1270.547+/-0.150 χ^2/NDF: 421211.1/55



Right In: -382.990+/-159.343 χ^2/NDF: 30.5/27

Left Out: -160.933+/-64.133 χ^2/NDF:43.8/24

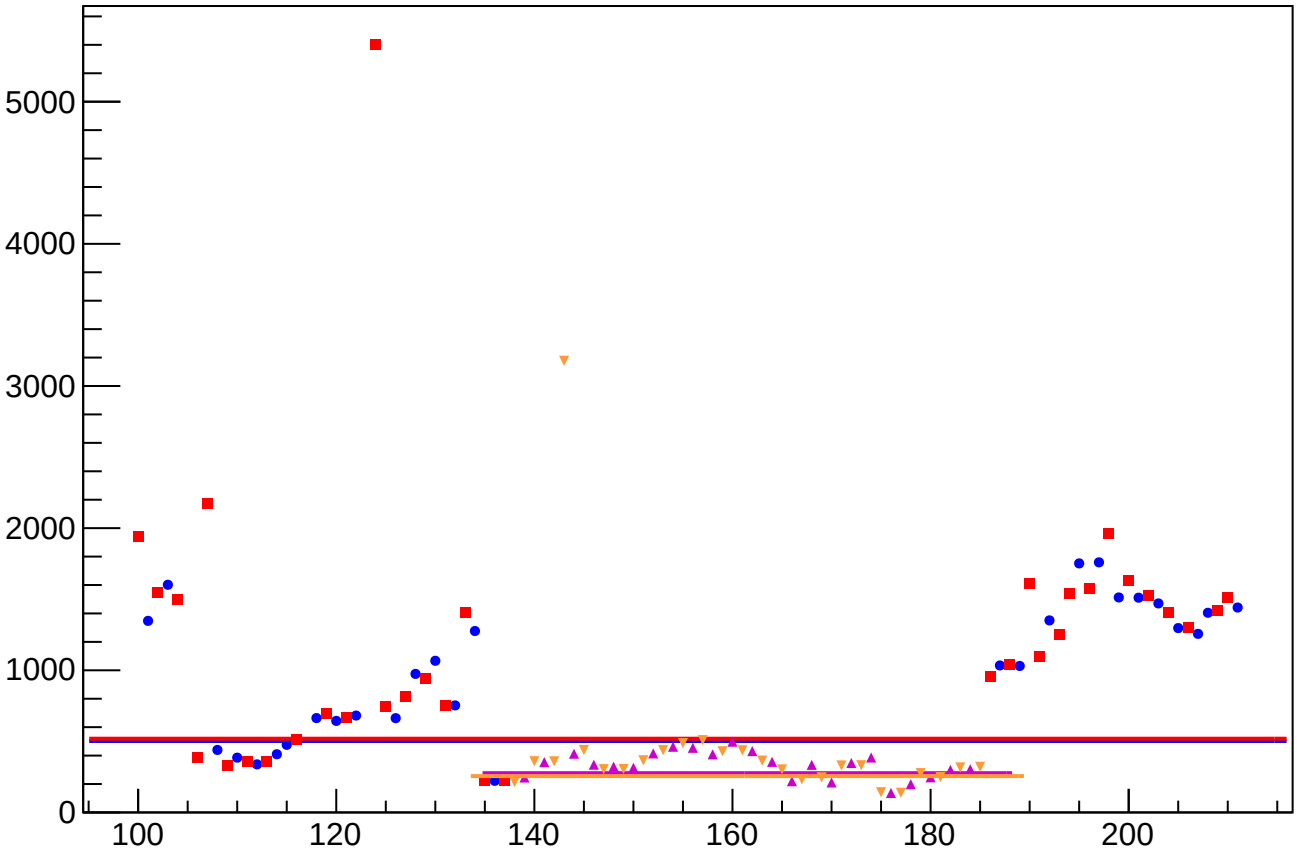
Right Out: -290.105+/-157.451 χ^2/NDF: 30.0/32

Left In: -113.720+/-68.841 χ^2/NDF:18.2/22

+ sign -191.890+/-59.495 χ^2/NDF: 75.9/52

All: -168.414+/-43.280 χ^2/NDF: 125.5/108

- sign -142.027+/-63.075 χ^2/NDF: 49.3/55



Right In: 502.792+/-0.113 χ^2/NDF: 13117305.3/27

Left Out: 255.770+/-0.045 χ^2/NDF:6373829.7/24

Right Out: 518.759+/-0.111 χ^2/NDF: 14250040.9/32

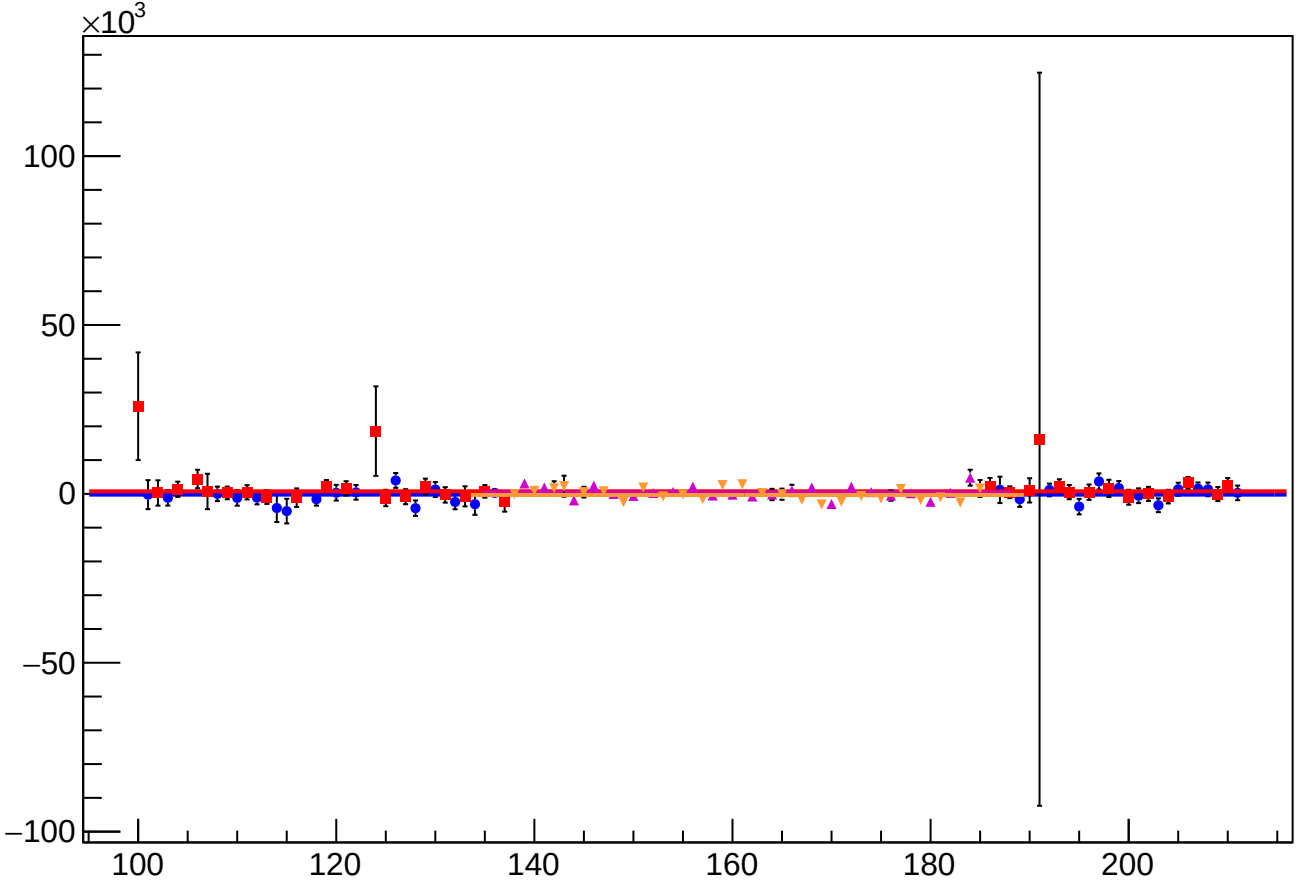
Left In: 276.299+/-0.049 χ^2/NDF:4027371.0/22

+ sign 290.207+/-0.042 χ^2/NDF: 23627648.4/52

All: 301.979+/-0.031 χ^2/NDF: 46052898.1/10

- sign 315.210+/-0.045 χ^2/NDF: 22258947.4/55

asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug



Right In: -222.335+/-417.031 χ^2/NDF: 24.6/27

Left Out: -319.744+/-298.271 χ^2/NDF:31.6/24

Right Out: 762.763+/-410.638 χ^2/NDF: 16.7/32

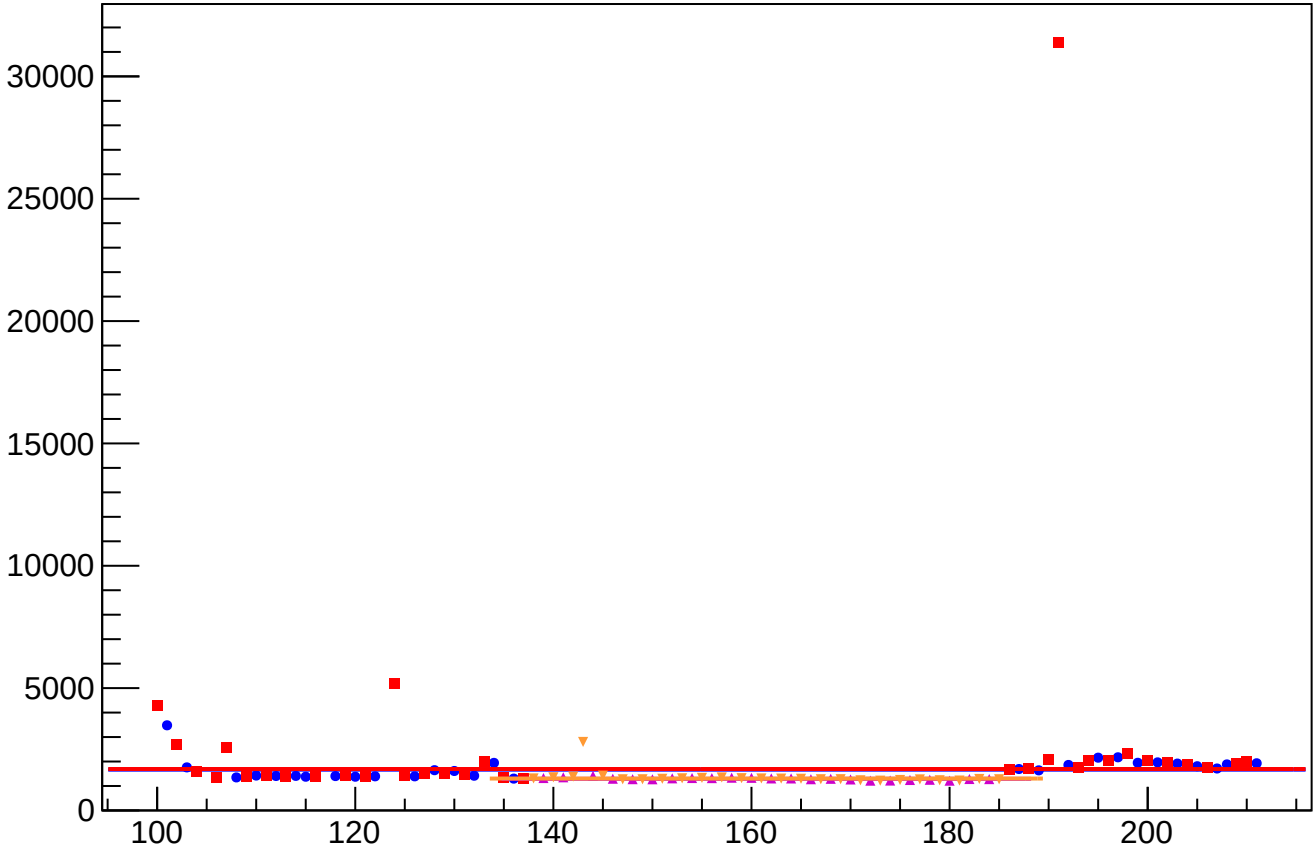
Left In: 356.387+/-301.902 χ^2/NDF:29.7/22

+ sign -286.778+/-242.605 χ^2/NDF: 56.2/52

All: 105.072+/-171.771 χ^2/NDF: 108.5/108

- sign 498.972+/-243.239 χ^2/NDF: 47.0/55

asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1668.386+/-0.295 χ^2/NDF: 1159771.1/27

Left Out: 1304.156+/-0.211 χ^2/NDF:519609.1/24

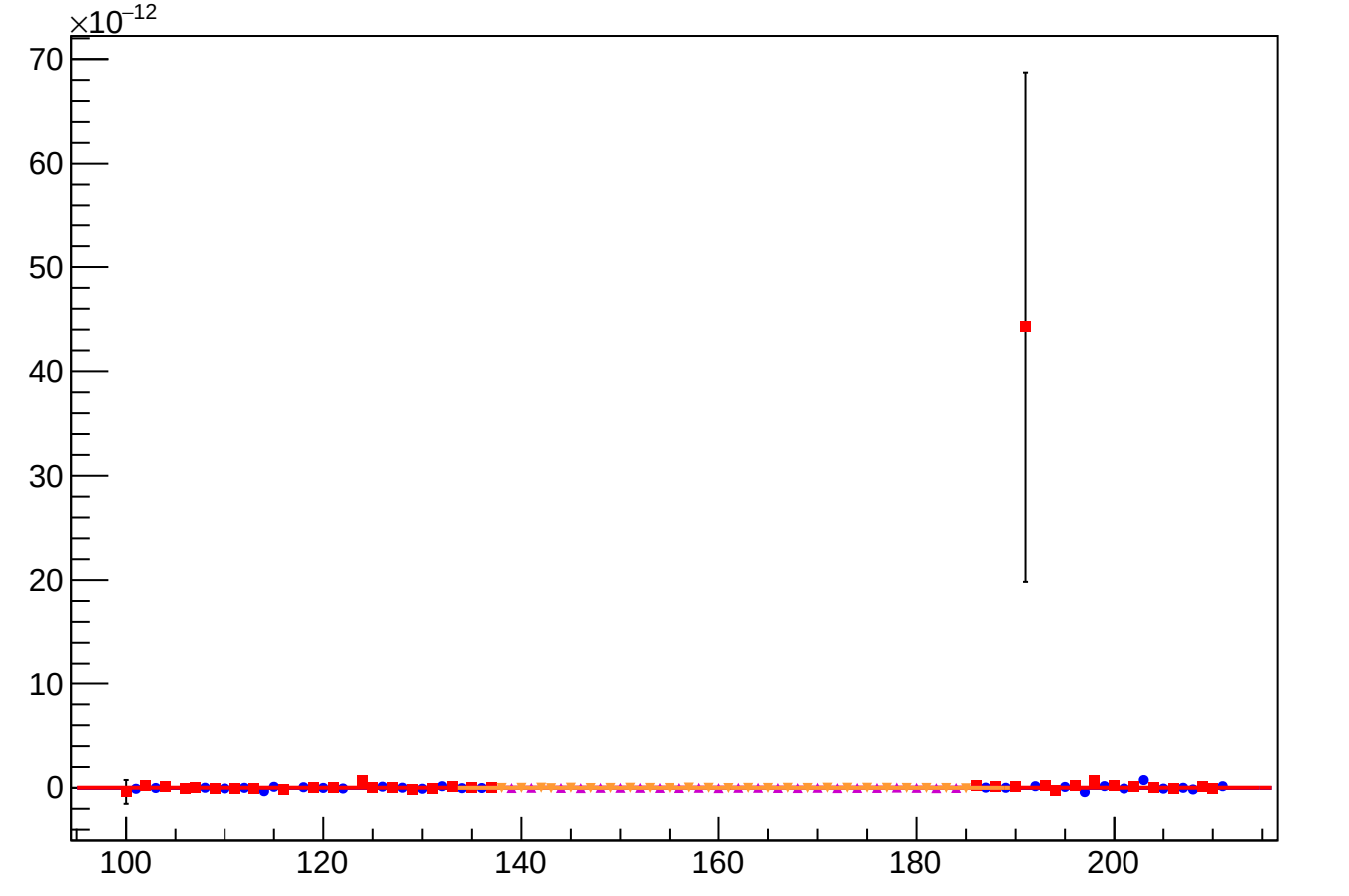
Right Out: 1693.505+/-0.290 χ^2/NDF: 1441660.0/32

Left In: 1292.123+/-0.213 χ^2/NDF:48343.1/22

+ sign 1427.421+/-0.172 χ^2/NDF: 2688689.6/52

All: 1430.181+/-0.121 χ^2/NDF: 5419606.7/10

- sign 1432.956+/-0.172 χ^2/NDF: 2730398.0/55



Right In: -0.000+/-0.000 χ^2/NDF: 31.1/27

Left Out: 0.000+/-0.000 χ^2/NDF:24.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 38.4/32

Left In: 0.000+/-0.000 χ^2/NDF:29.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 57.9/52

All: 0.000+/-0.000 χ^2/NDF: 128.7/108

- sign 0.000+/-0.000 χ^2/NDF: 70.3/55

Right In: 0.000+/-0.000 χ^2/NDF: 7955524.5/27

Left Out: 0.000+/-0.000 χ^2/NDF:2715297.7/24

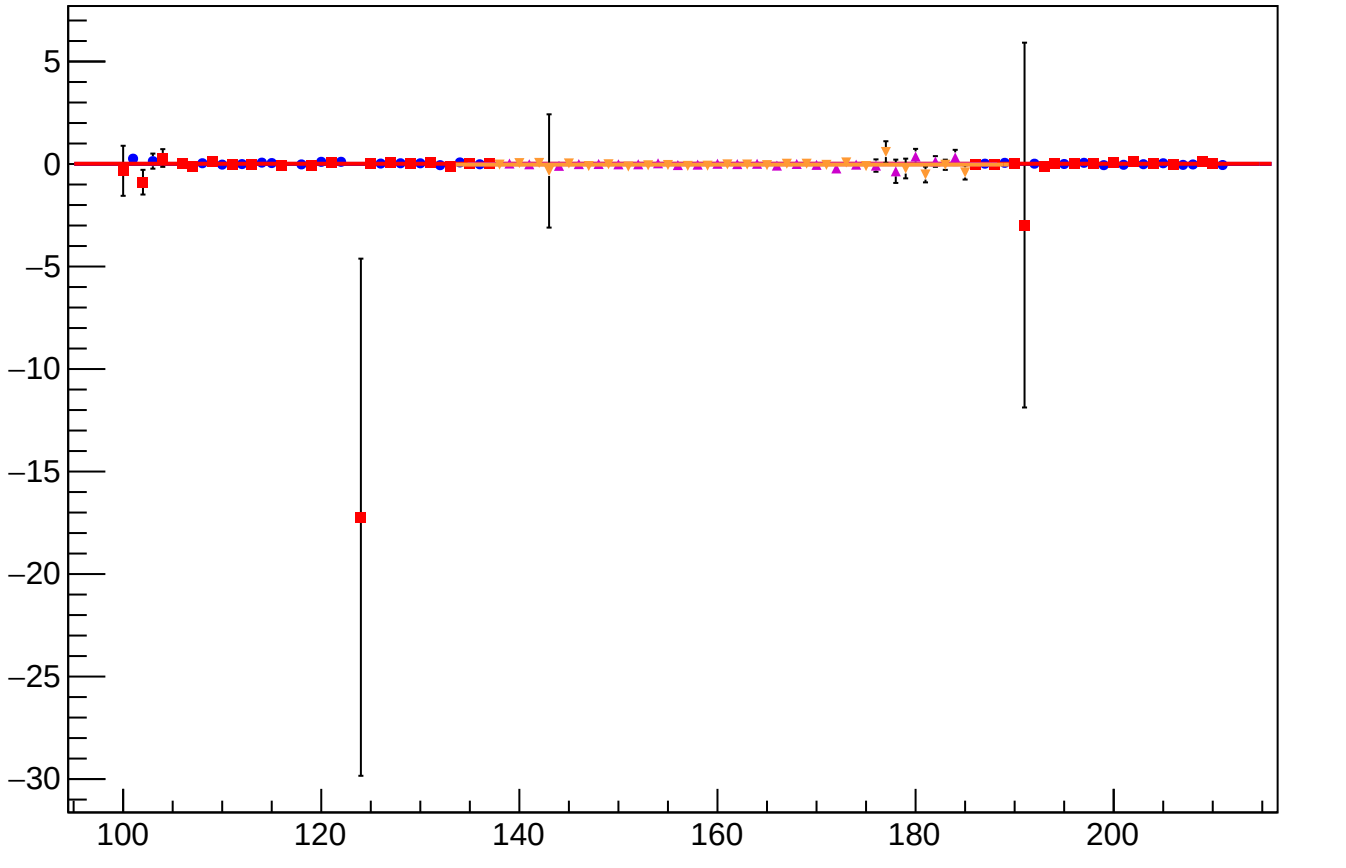
Right Out: 0.000+/-0.000 χ^2/NDF: 10597782.0/32

Left In: 0.000+/-0.000 χ^2/NDF:1884808.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 11775462.7/52

All: 0.000+/-0.000 χ^2/NDF: 25387237.5/108

- sign 0.000+/-0.000 χ^2/NDF: 13586026.1/55



Right In: 0.004+/-0.012 χ^2/NDF: 16.9/27

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

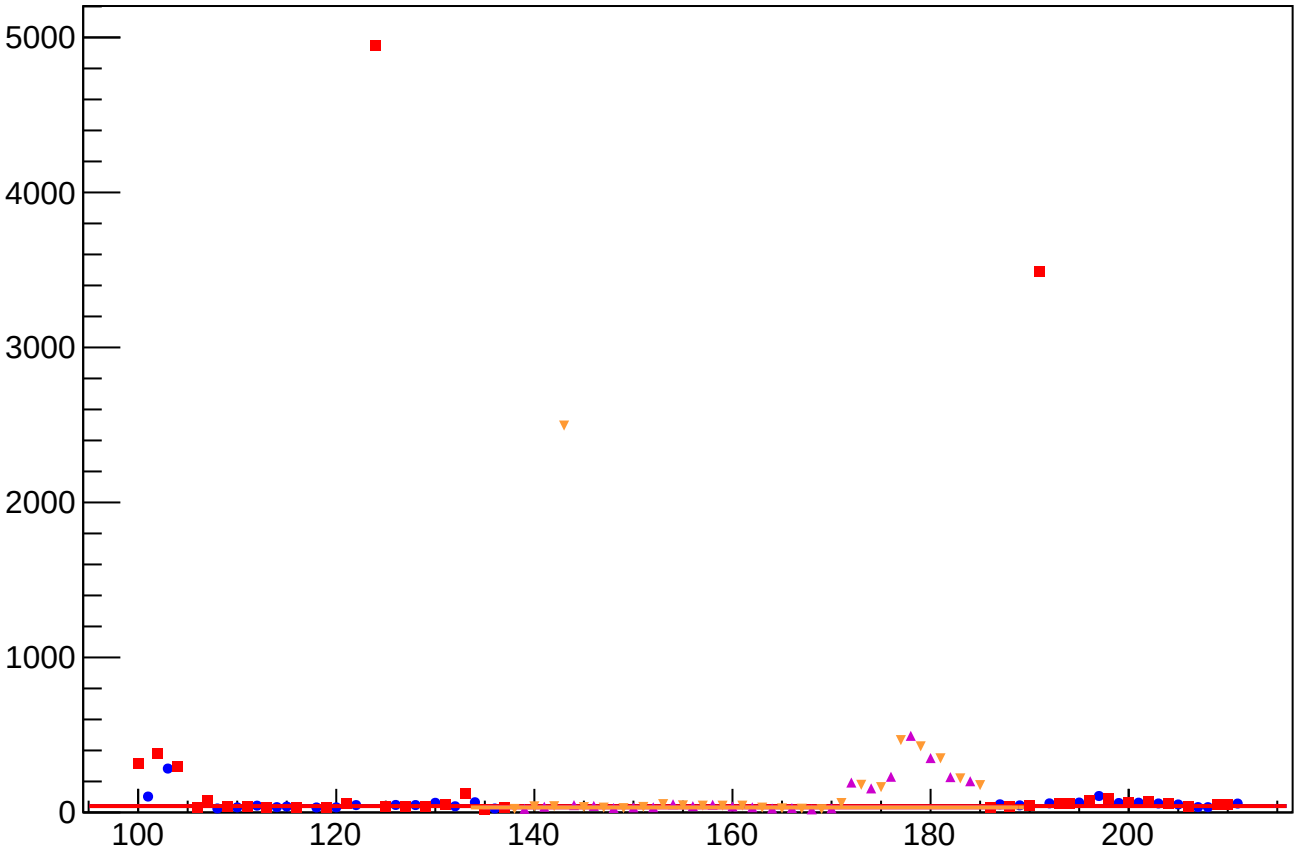
Right Out: 0.014+/-0.011 χ^2/NDF: 26.8/32

Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

+ sign -0.015+/-0.007 χ^2/NDF: 49.4/52

All: -0.008+/-0.005 χ^2/NDF: 94.1/108

- sign -0.001+/-0.007 χ^2/NDF: 42.7/55



Right In: 41.542+/-0.008 χ^2/NDF: 4250736.0/27

Left Out: 32.551+/-0.007 χ^2/NDF:10871758.1/24

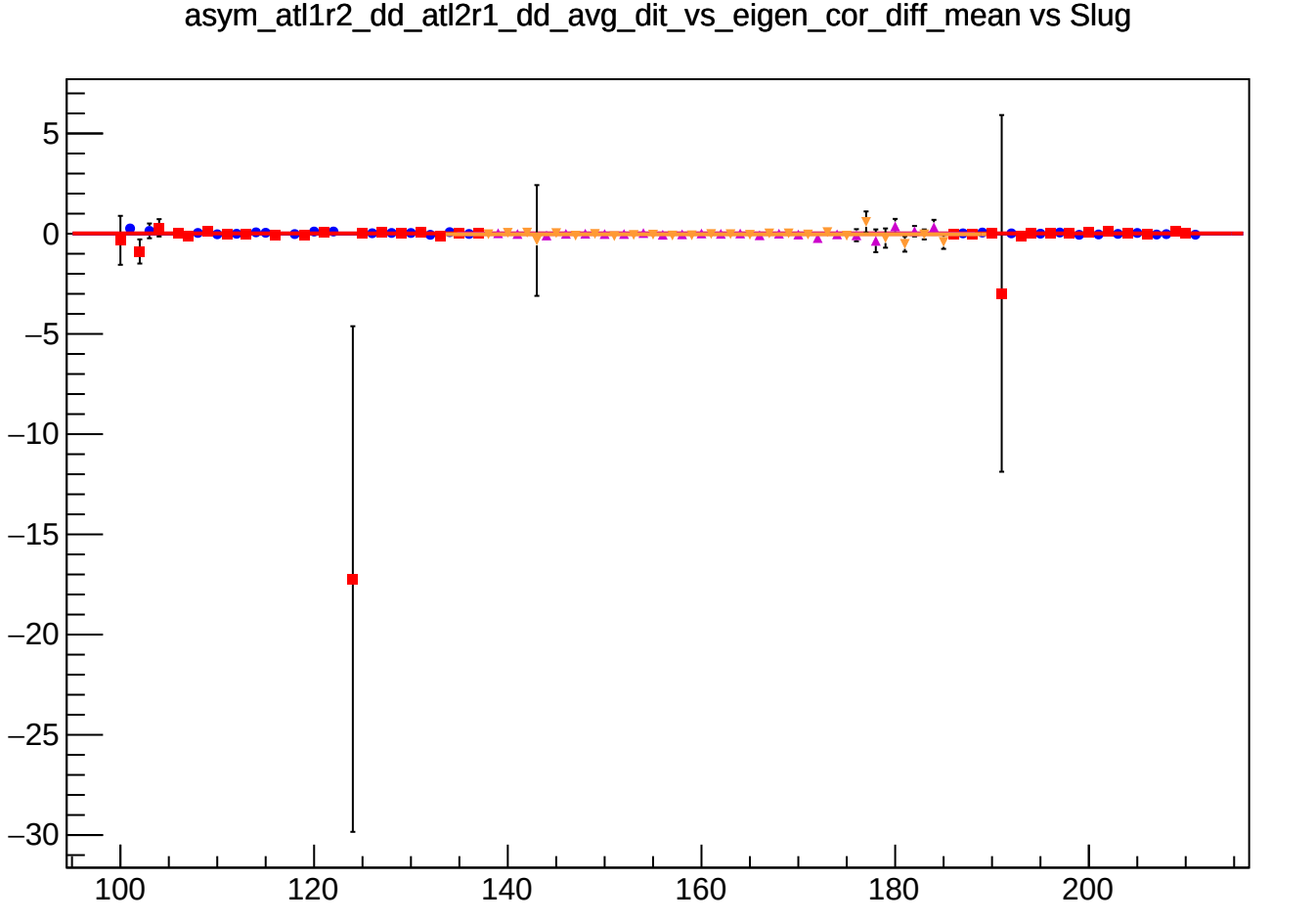
Right Out: 41.097+/-0.008 χ^2/NDF: 5513174.4/32

Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

+ sign 36.136+/-0.005 χ^2/NDF: 15834485.9/52

All: 36.165+/-0.004 χ^2/NDF: 30951086.2/108

- sign 36.194+/-0.005 χ^2/NDF: 15116539.4/55



Right In: 0.004+/-0.012 χ^2/NDF: 16.9/27

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

Right Out: 0.014+/-0.011 χ^2/NDF: 26.8/32

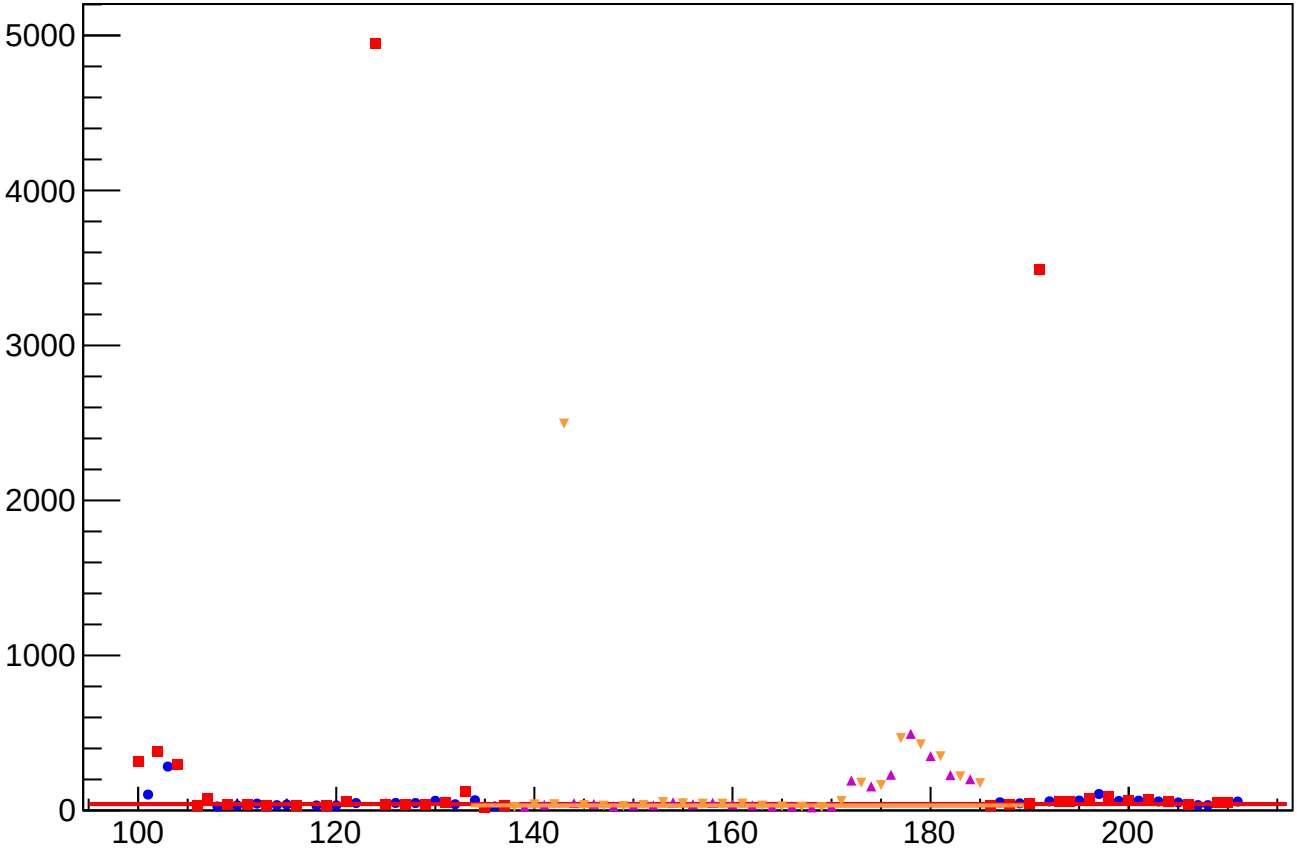
Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

+ sign -0.015+/-0.007 χ^2/NDF: 49.4/52

All: -0.008+/-0.005 χ^2/NDF: 94.1/108

- sign -0.001+/-0.007 χ^2/NDF: 42.7/55

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 41.542+/-0.008 χ^2/NDF: 4250736.0/27

Left Out: 32.551+/-0.007 χ^2/NDF:10871758.1/24

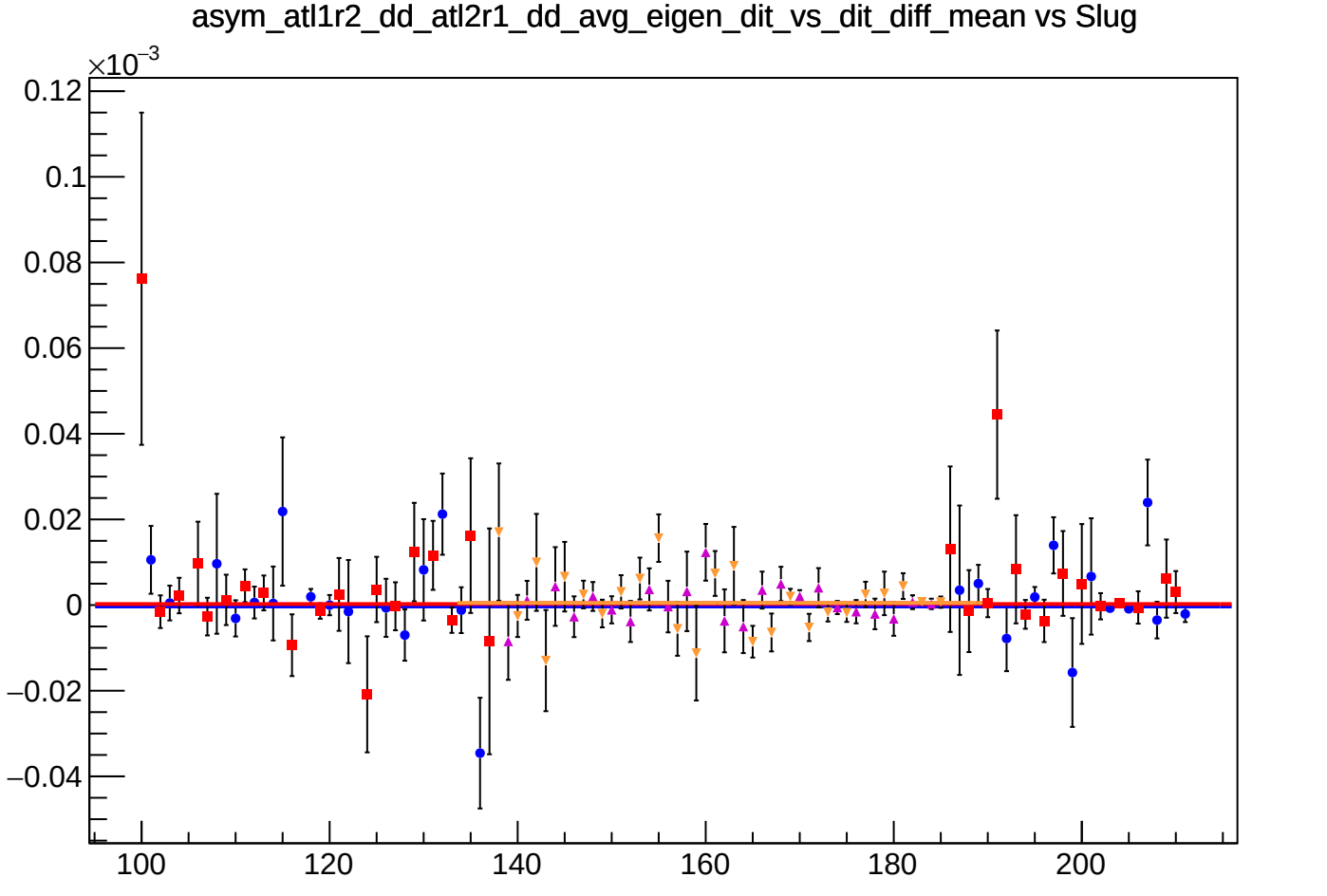
Right Out: 41.097+/-0.008 χ^2/NDF: 5513174.4/32

Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

+ sign 36.136+/-0.005 χ^2/NDF: 15834485.9/52

All: 36.165+/-0.004 χ^2/NDF: 30951086.2/108

- sign 36.194+/-0.005 χ^2/NDF: 15116539.4/55



Right In: -0.000+/-0.000 χ^2/NDF: 37.7/27

Left Out: 0.000+/-0.000 χ^2/NDF:35.7/24

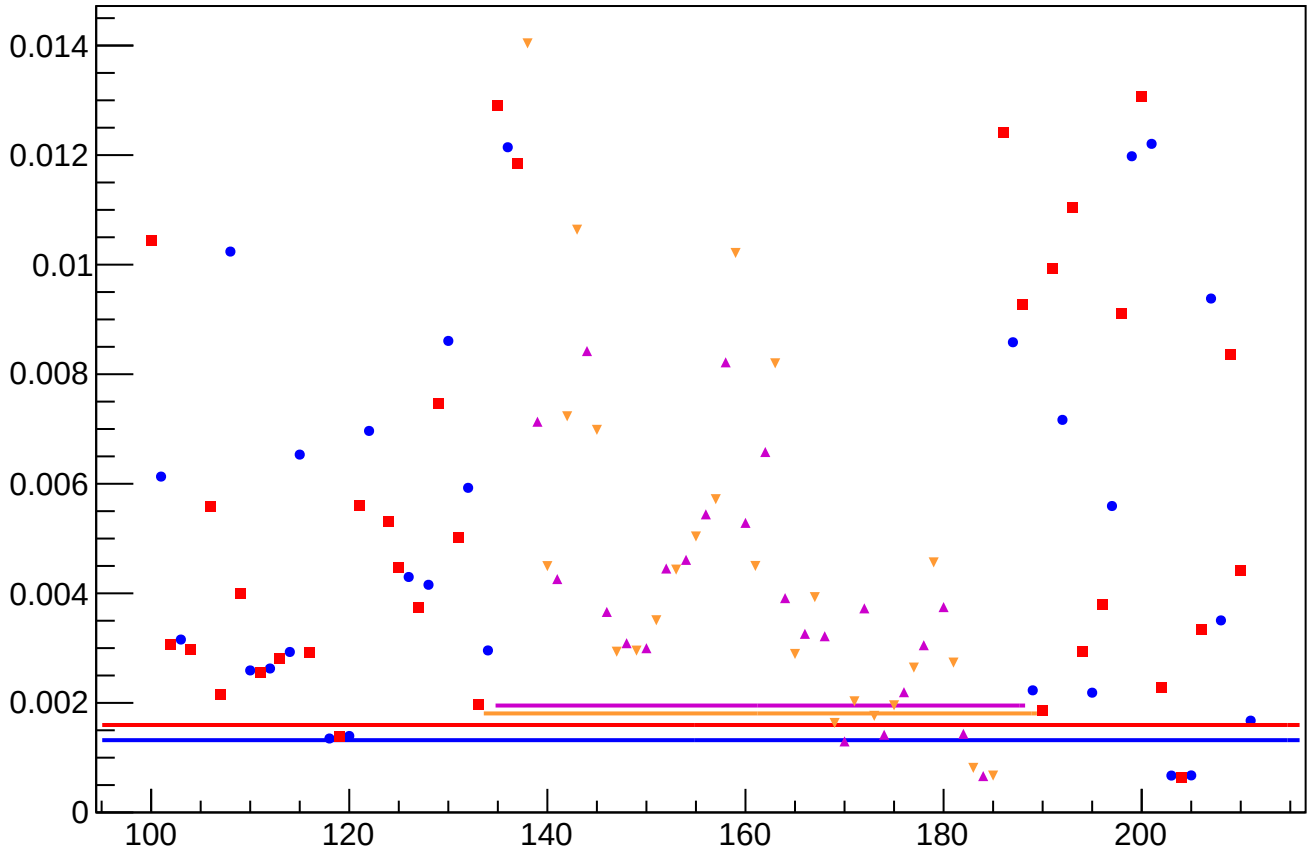
Right Out: 0.000+/-0.000 χ^2/NDF: 26.9/32

Left In: 0.000+/-0.000 χ^2/NDF:13.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 74.7/52

All: 0.000+/-0.000 χ^2/NDF: 115.6/108

- sign 0.000+/-0.000 χ^2/NDF: 40.7/55



Right In: 0.001+/-0.000 χ^2/NDF: 15949446.5/27

Left Out: 0.002+/-0.000 χ^2/NDF:14941257.4/24

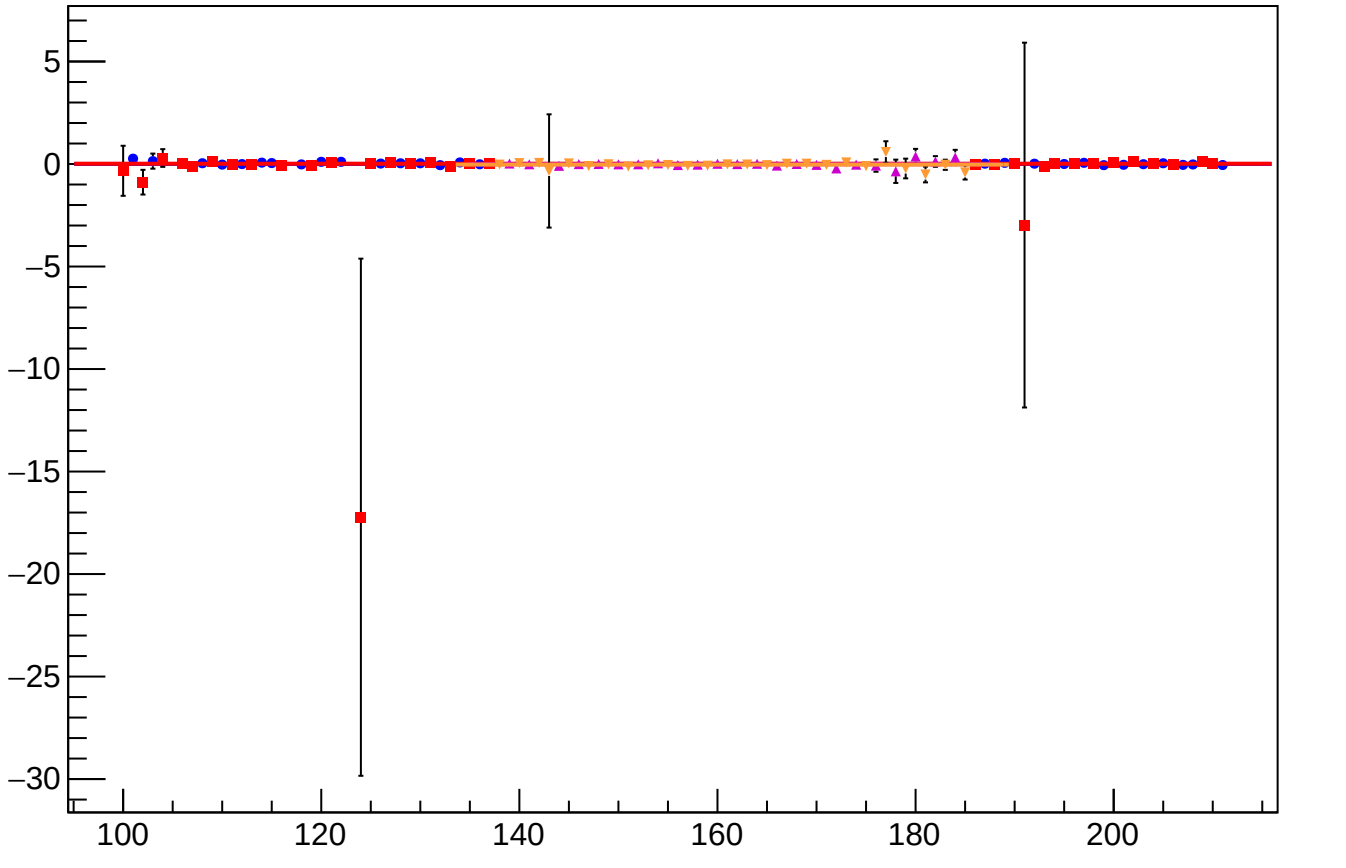
Right Out: 0.002+/-0.000 χ^2/NDF: 17195668.7/32

Left In: 0.002+/-0.000 χ^2/NDF:11478607.0/22

+ sign 0.002+/-0.000 χ^2/NDF: 31766101.1/52

All: 0.002+/-0.000 χ^2/NDF: 61165156.4/108

- sign 0.002+/-0.000 χ^2/NDF: 29057858.7/55



Right In: 0.004+/-0.012 χ^2/NDF: 16.9/27

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

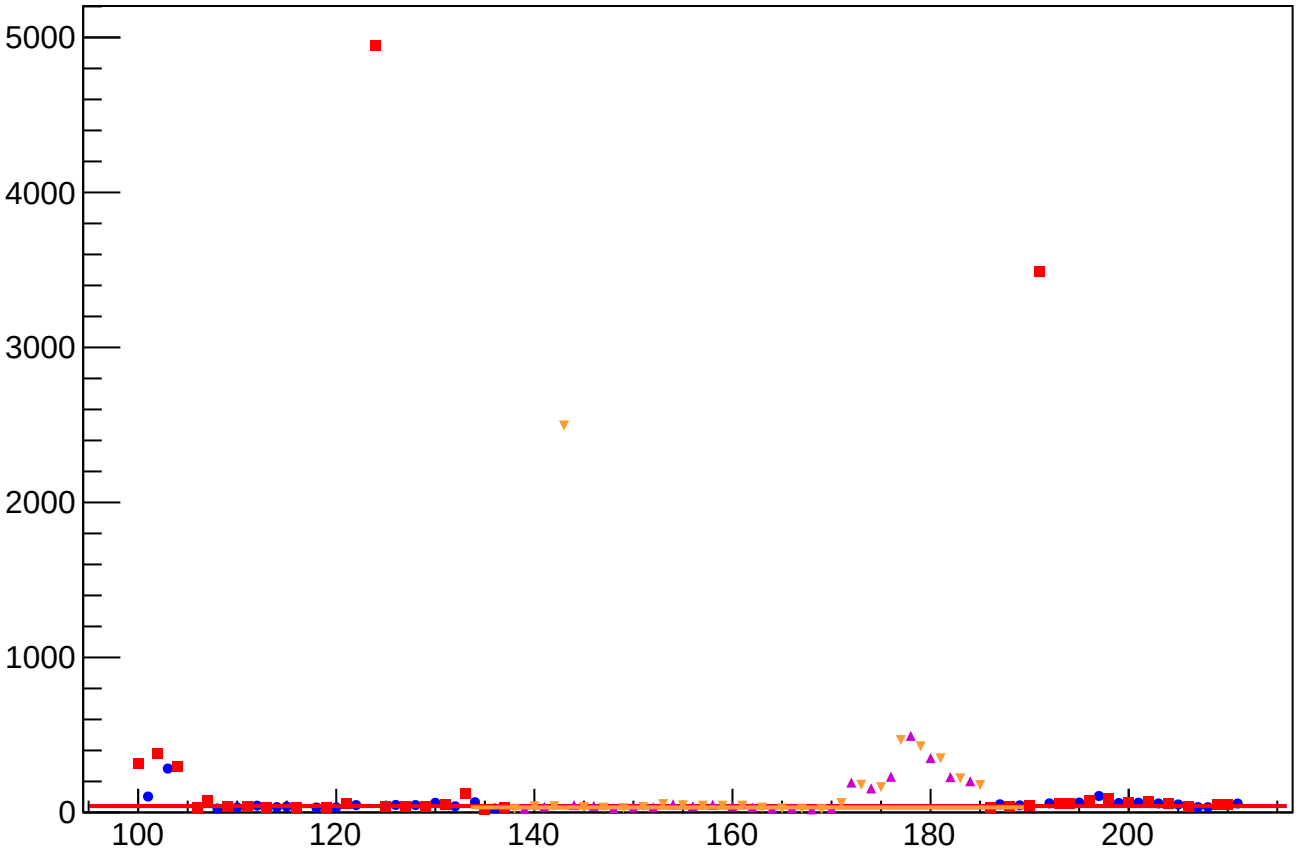
Right Out: 0.014+/-0.011 χ^2/NDF: 26.8/32

Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

+ sign -0.015+/-0.007 χ^2/NDF: 49.4/52

All: -0.008+/-0.005 χ^2/NDF: 94.1/108

- sign -0.001+/-0.007 χ^2/NDF: 42.7/55



Right In: 41.542+/-0.008 χ^2/NDF: 4250390.8/27

Left Out: 32.551+/-0.007 χ^2/NDF:10872015.8/24

Right Out: 41.097+/-0.008 χ^2/NDF: 5512968.5/32

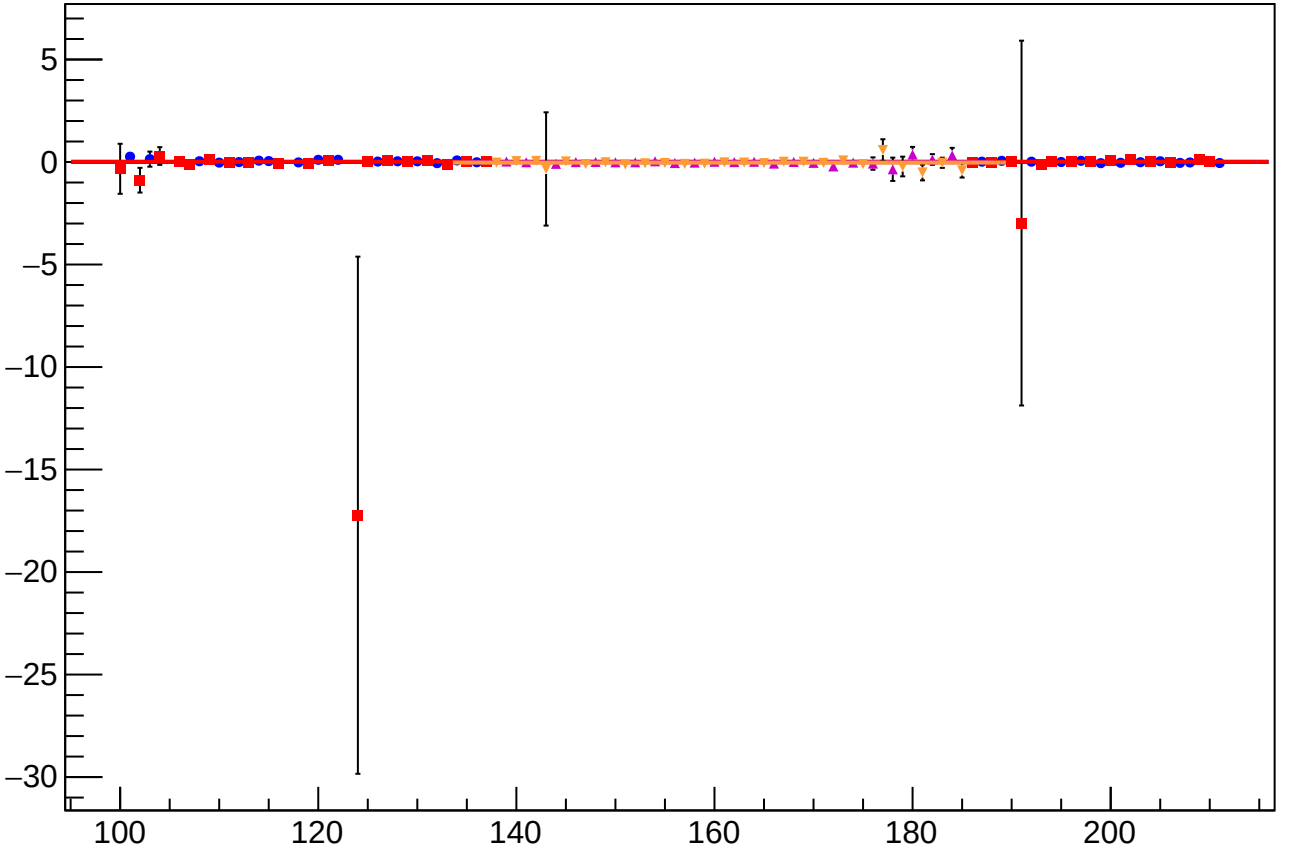
Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

+ sign 36.136+/-0.005 χ^2/NDF: 15834446.1/52

All: 36.165+/-0.004 χ^2/NDF: 30951692.8/108

- sign 36.193+/-0.005 χ^2/NDF: 15117187.4/55

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.004+/-0.012 χ^2/NDF: 16.9/27

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

Right Out: 0.014+/-0.011 χ^2/NDF: 26.8/32

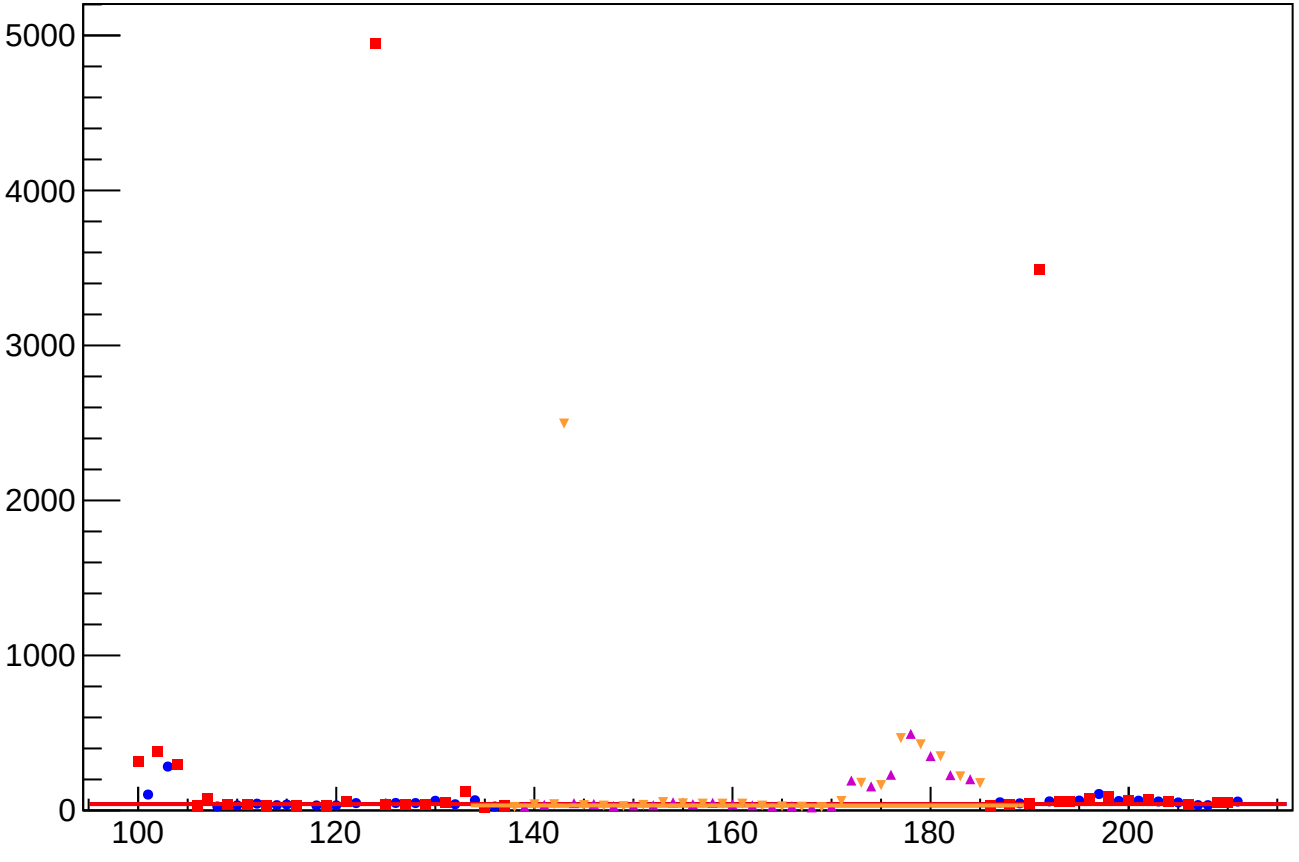
Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

+ sign -0.015+/-0.007 χ^2/NDF: 49.4/52

All: -0.008+/-0.005 χ^2/NDF: 94.1/108

- sign -0.001+/-0.007 χ^2/NDF: 42.7/55

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 41.542+/-0.008 χ^2/NDF: 4250390.8/27

Left Out: 32.551+/-0.007 χ^2/NDF:10872015.8/24

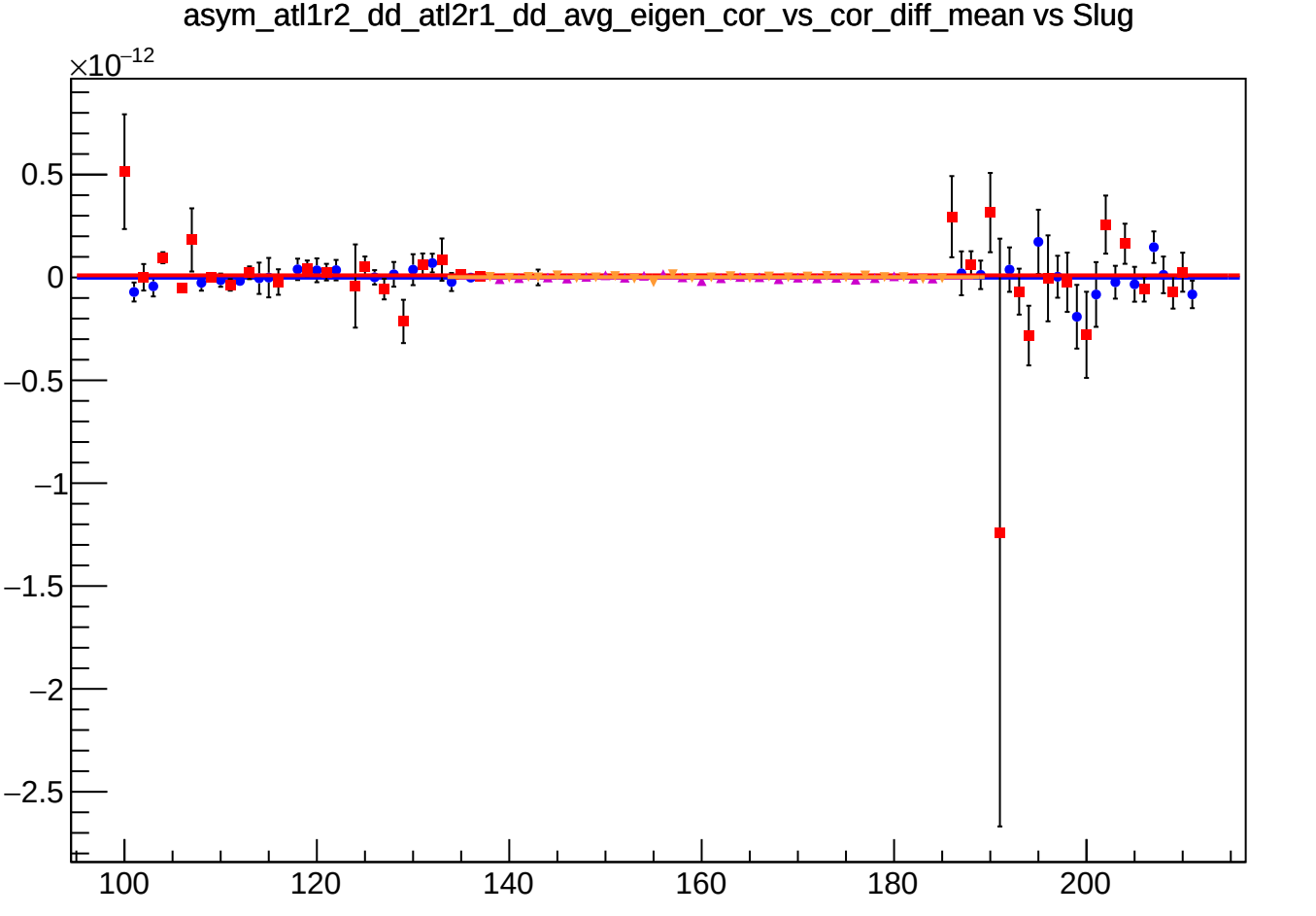
Right Out: 41.097+/-0.008 χ^2/NDF: 5512968.5/32

Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

+ sign 36.136+/-0.005 χ^2/NDF: 15834446.1/52

All: 36.165+/-0.004 χ^2/NDF: 30951692.8/108

- sign 36.193+/-0.005 χ^2/NDF: 15117187.4/55



Right In: -0.000+/-0.000 χ^2/NDF: 17.3/27

Left Out: 0.000+/-0.000 χ^2/NDF:18.1/24

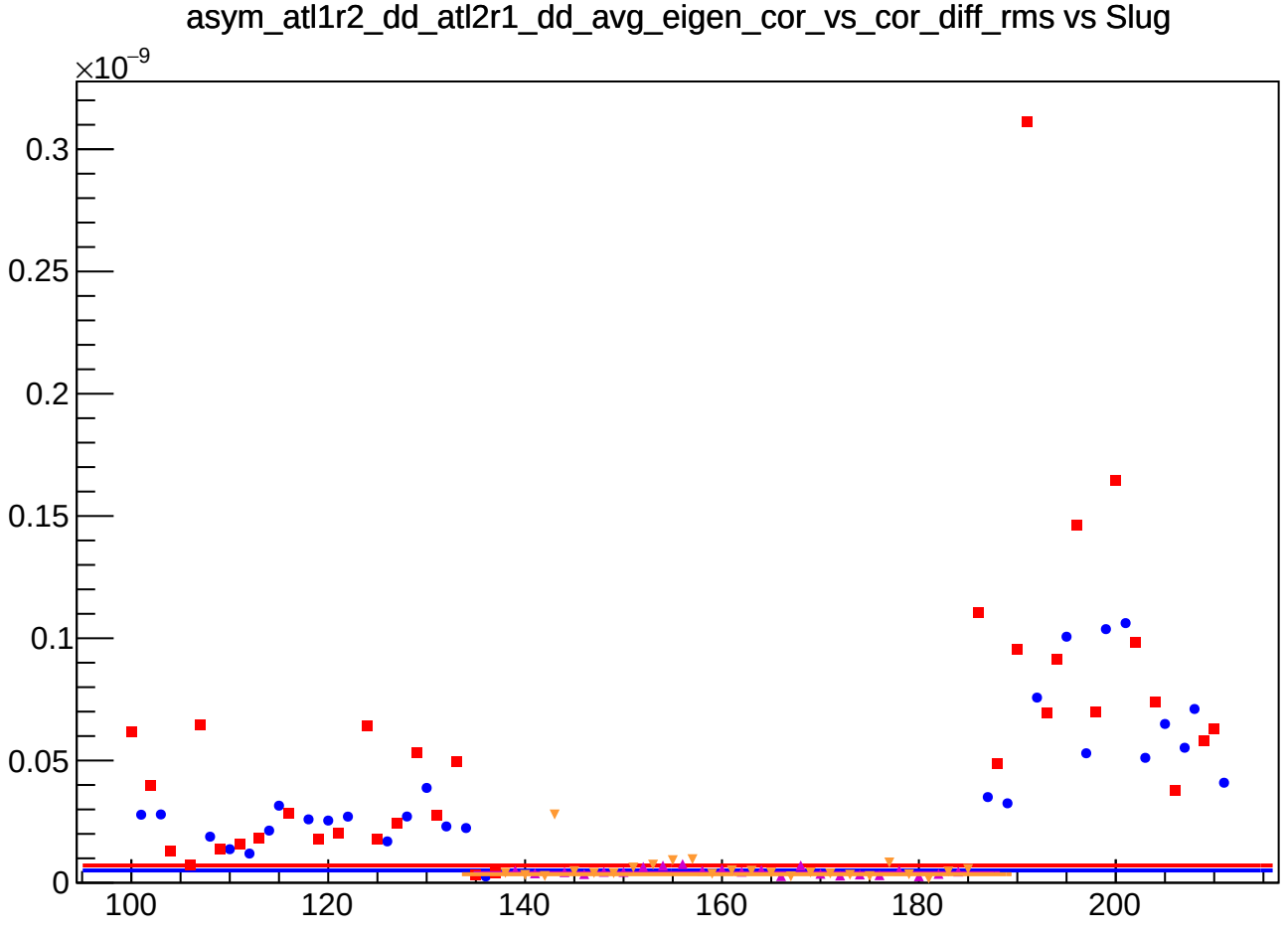
Right Out: 0.000+/-0.000 χ^2/NDF: 60.3/32

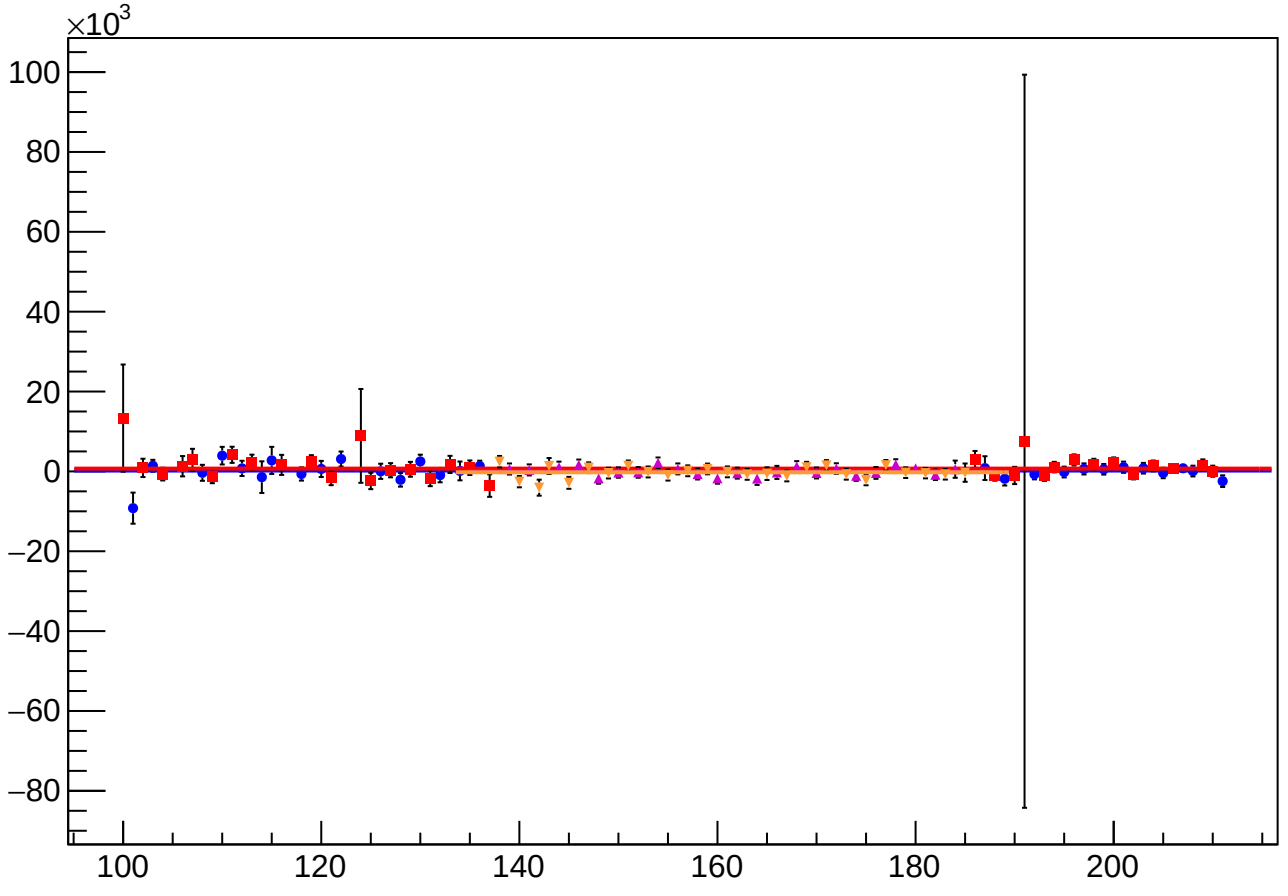
Left In: -0.000+/-0.000 χ^2/NDF:28.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 36.0/52

All: 0.000+/-0.000 χ^2/NDF: 133.3/108

- sign -0.000+/-0.000 χ^2/NDF: 96.2/55


asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10^−9
0.3
0.25
0.2
0.15
0.1
0.05
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 13558924.1/27
Left Out: 0.000+/-0.000 χ²/NDF:4688121.0/24
Right Out: 0.000+/-0.000 χ²/NDF: 14430721.4/32
Left In: 0.000+/-0.000 χ²/NDF:2073078.0/22
+ sign 0.000+/-0.000 χ²/NDF: 18625782.8/52
All: 0.000+/-0.000 χ²/NDF: 36465183.0/108
- sign 0.000+/-0.000 χ²/NDF: 17554122.1/55



Right In: 216.543+/-311.550 χ^2/NDF: 24.2/27

Left Out: -220.721+/-283.055 χ^2/NDF:23.9/24

Right Out: 694.102+/-303.603 χ^2/NDF: 28.0/32

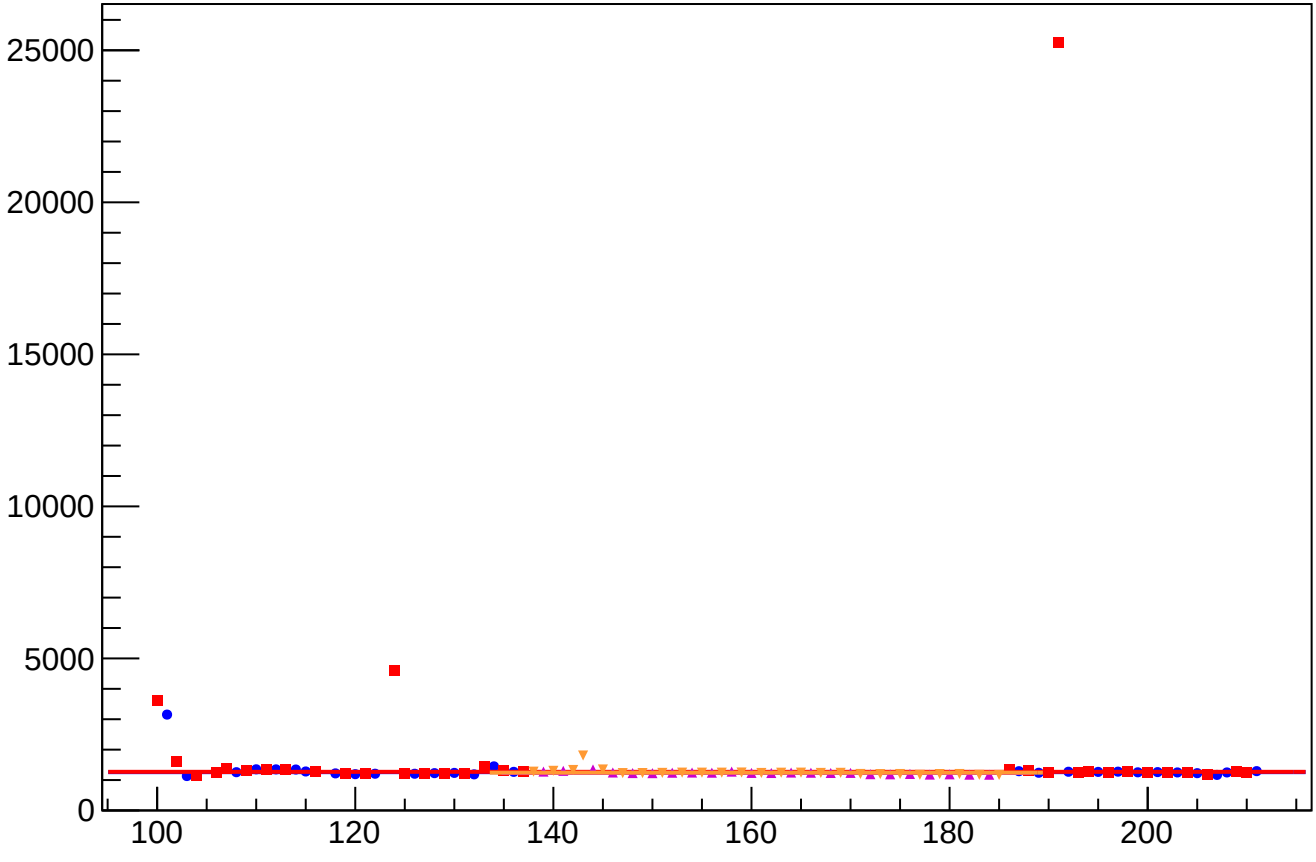
Left In: 92.402+/-288.217 χ^2/NDF:14.7/22

+ sign -22.996+/-209.501 χ^2/NDF: 49.2/52

All: 177.765+/-147.972 χ^2/NDF: 95.8/108

- sign 377.620+/-209.028 χ^2/NDF: 44.7/55

reg_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1259.630+/-0.220 χ^2/NDF: 535029.5/27

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

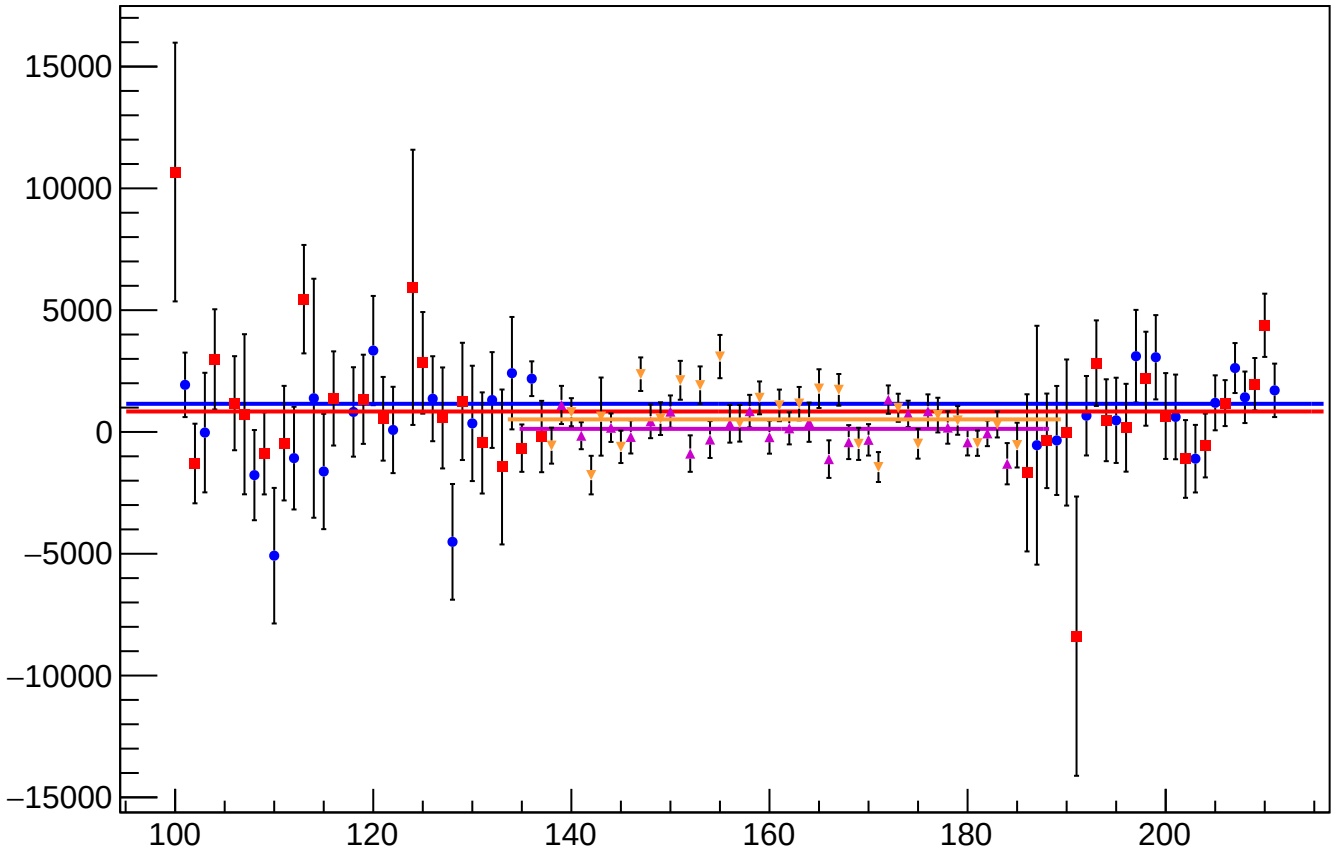
Right Out: 1270.260+/-0.215 χ^2/NDF: 486678.6/32

Left In: 1233.752+/-0.204 χ^2/NDF:39281.8/22

+ sign 1250.424+/-0.148 χ^2/NDF: 741516.5/52

All: 1250.742+/-0.105 χ^2/NDF: 1282697.0/10

- sign 1251.058+/-0.148 χ^2/NDF: 541171.4/55



Right In: 1155.637+/-296.418 χ^2/NDF: 28.4/27

Left Out: 516.792+/-135.746 χ^2/NDF:67.0/24

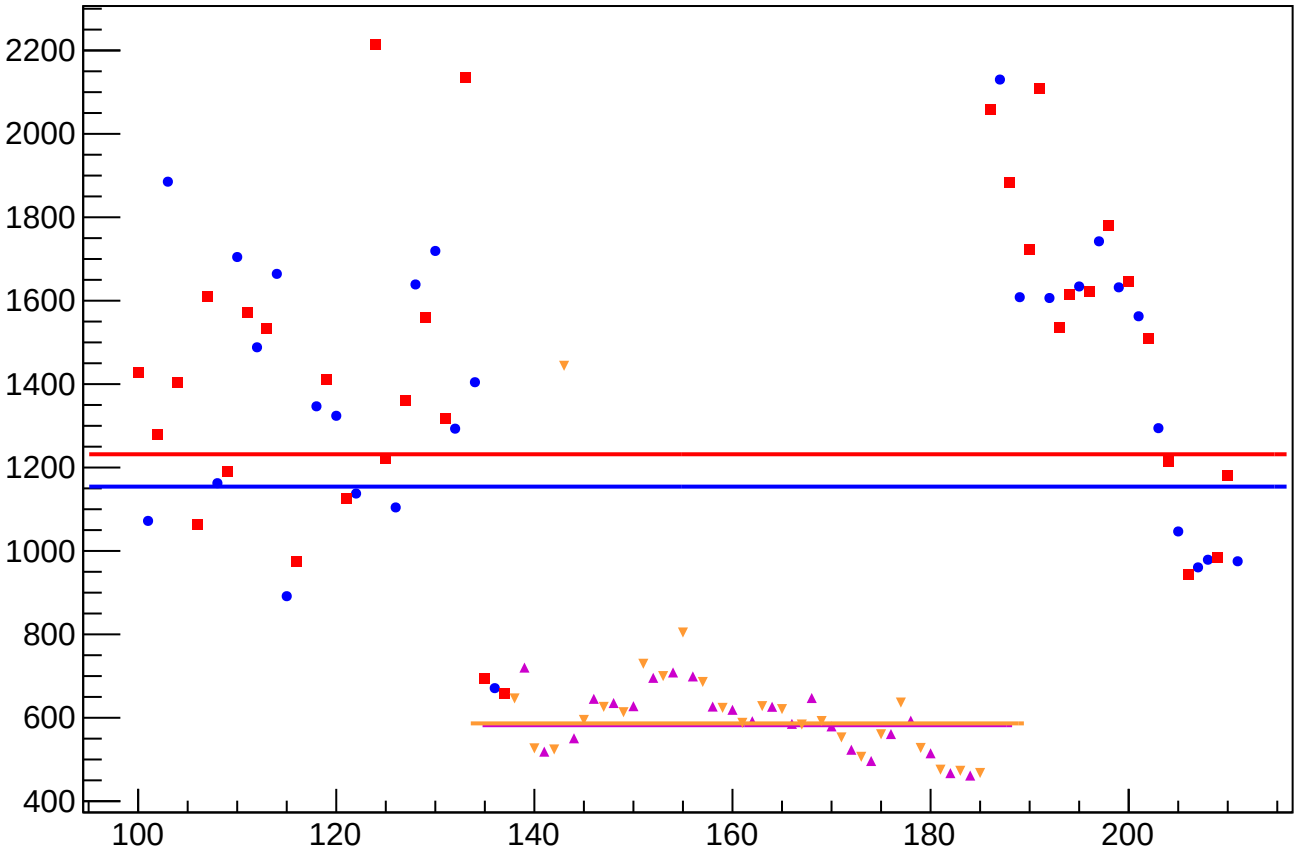
Right Out: 840.628+/-304.190 χ^2/NDF: 34.5/32

Left In: 126.569+/-137.266 χ^2/NDF:21.6/22

+ sign 627.545+/-123.420 χ^2/NDF: 99.2/52

All: 440.056+/-87.865 χ^2/NDF: 164.6/108

- sign 247.373+/-125.117 χ^2/NDF: 60.7/55



Right In: 1154.239+/-0.210 χ^2/NDF: 2682578.8/27

Left Out: 586.557+/-0.096 χ^2/NDF:1202915.7/24

Right Out: 1231.803+/-0.215 χ^2/NDF: 2734025.8/32

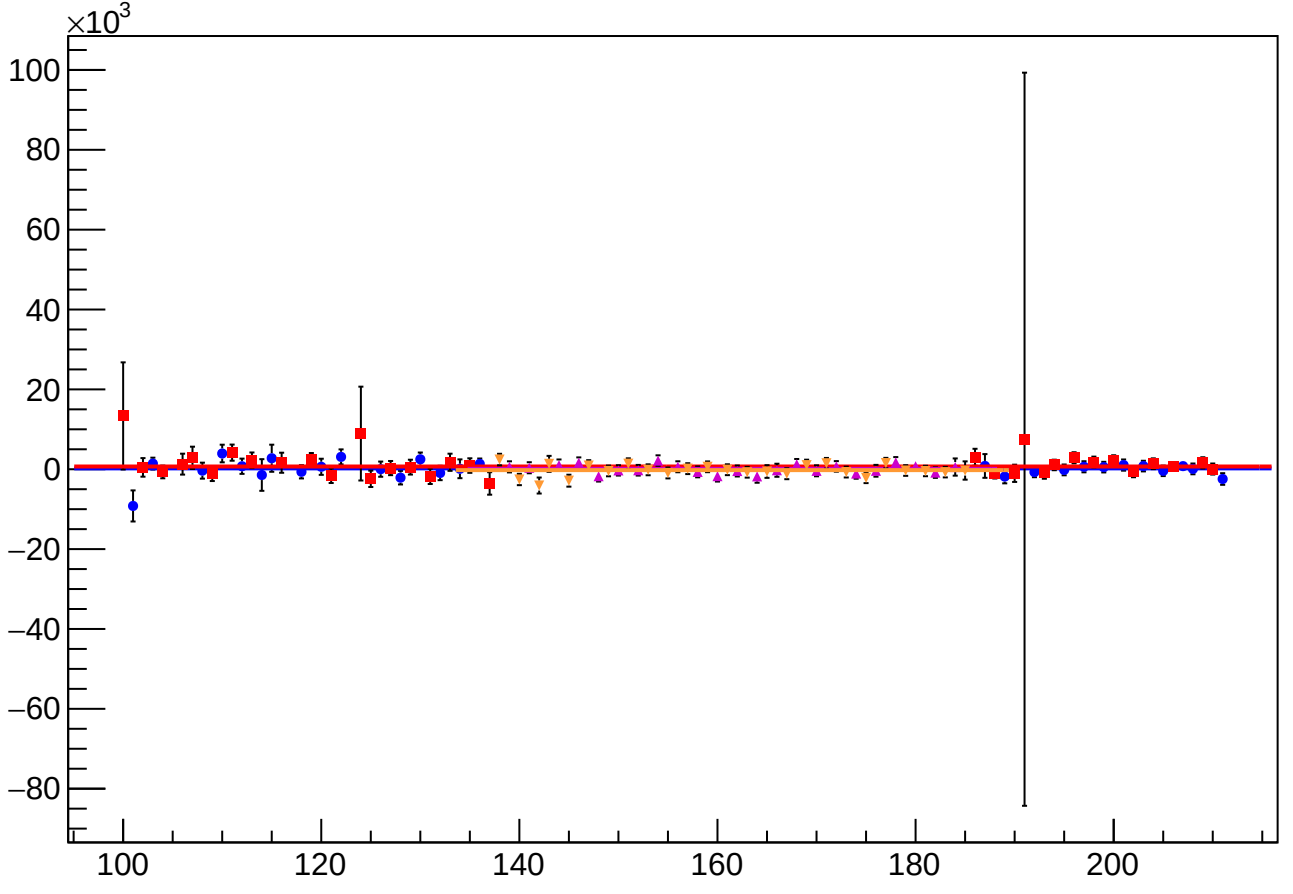
Left In: 582.190+/-0.097 χ^2/NDF:559261.3/22

+ sign 684.973+/-0.087 χ^2/NDF: 9949294.0/52

All: 688.483+/-0.062 χ^2/NDF: 20823911.8/10

- sign 692.091+/-0.088 χ^2/NDF: 10871337.0/55

cor_asym_at1_dd_at2_dd_avg_mean vs Slug



Right In: 216.759+/-311.550 χ^2/NDF: 24.2/27

Left Out: -220.755+/-283.055 χ^2/NDF:23.9/24

Right Out: 686.170+/-303.809 χ^2/NDF: 28.0/32

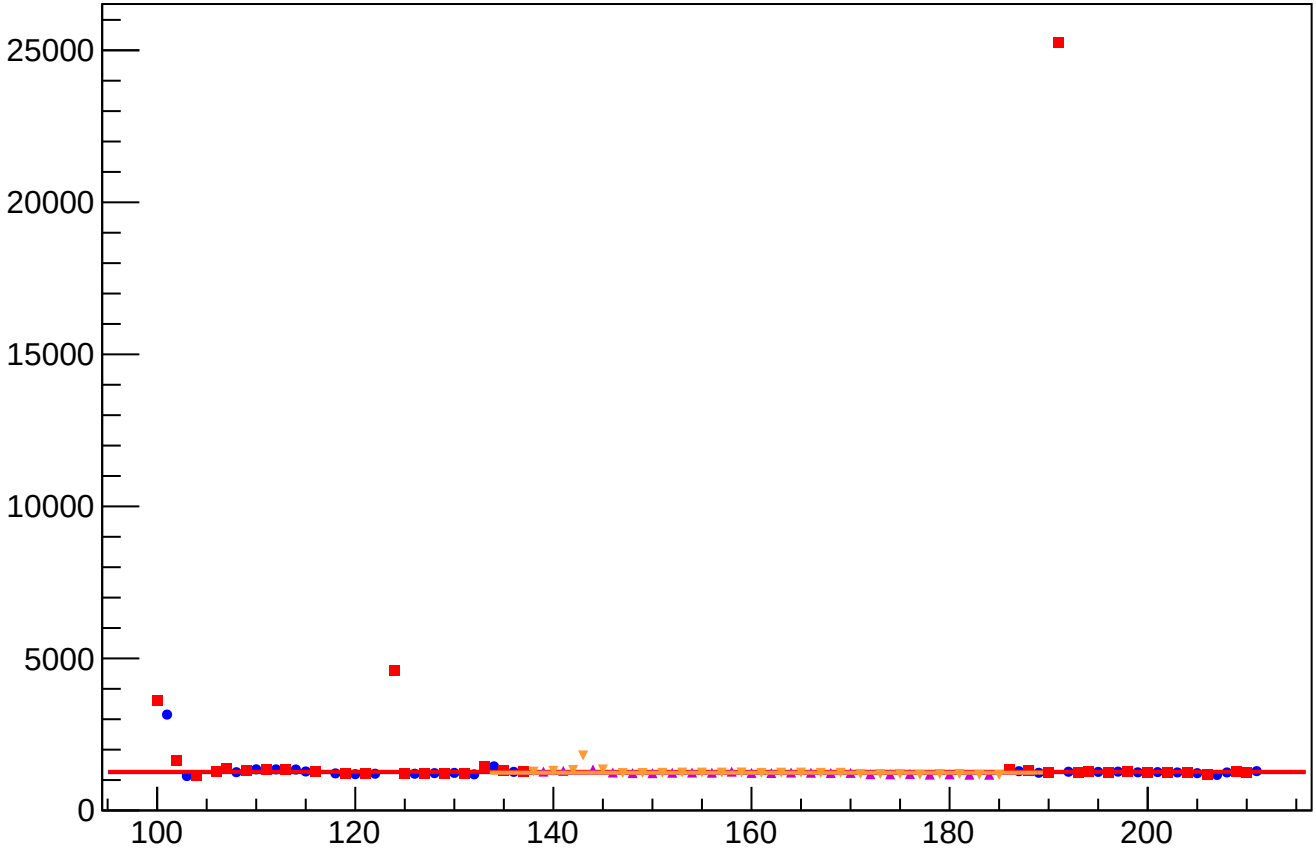
Left In: 92.472+/-288.217 χ^2/NDF:14.7/22

+ sign -22.917+/-209.501 χ^2/NDF: 49.2/52

All: 175.774+/-147.996 χ^2/NDF: 95.6/108

- sign 373.696+/-209.095 χ^2/NDF: 44.7/55

cor_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1259.630+/-0.220 χ^2/NDF: 535030.9/27

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

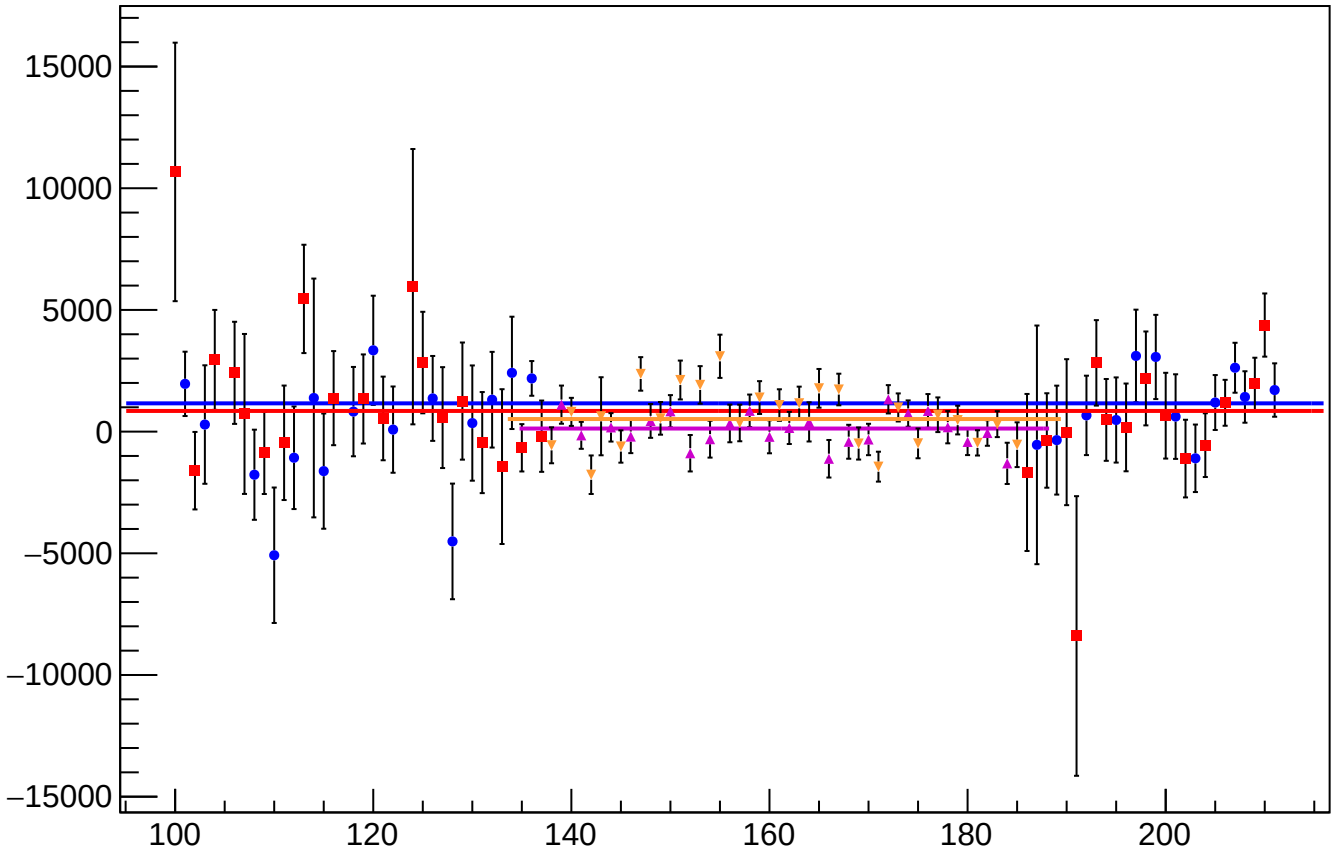
Right Out: 1271.156+/-0.215 χ^2/NDF: 493837.0/32

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

+ sign 1250.424+/-0.148 χ^2/NDF: 741517.8/52

All: 1250.948+/-0.105 χ^2/NDF: 1290616.5/10

- sign 1251.470+/-0.148 χ^2/NDF: 549073.8/55



Right In: 1161.604+/-296.358 χ^2/NDF: 28.3/27

Left Out: 516.811+/-135.747 χ^2/NDF:67.0/24

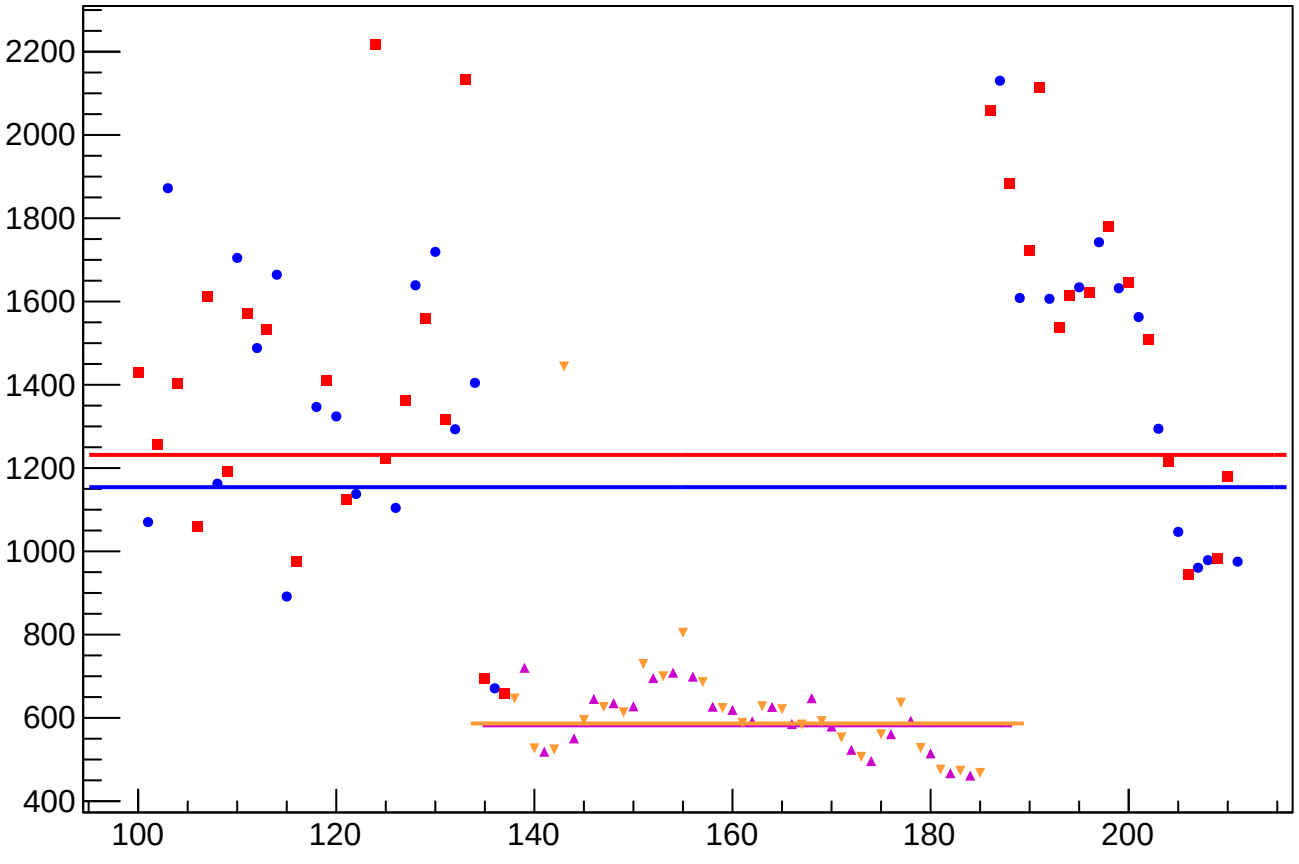
Right Out: 849.482+/-304.473 χ^2/NDF: 35.7/32

Left In: 126.549+/-137.266 χ^2/NDF:21.6/22

+ sign 628.634+/-123.416 χ^2/NDF: 99.2/52

All: 441.280+/-87.870 χ^2/NDF: 165.8/108

- sign 248.665+/-125.137 χ^2/NDF: 61.9/55



Right In: 1154.116+/-0.210 χ^2/NDF: 2679443.6/27

Left Out: 586.562+/-0.096 χ^2/NDF:1202822.0/24

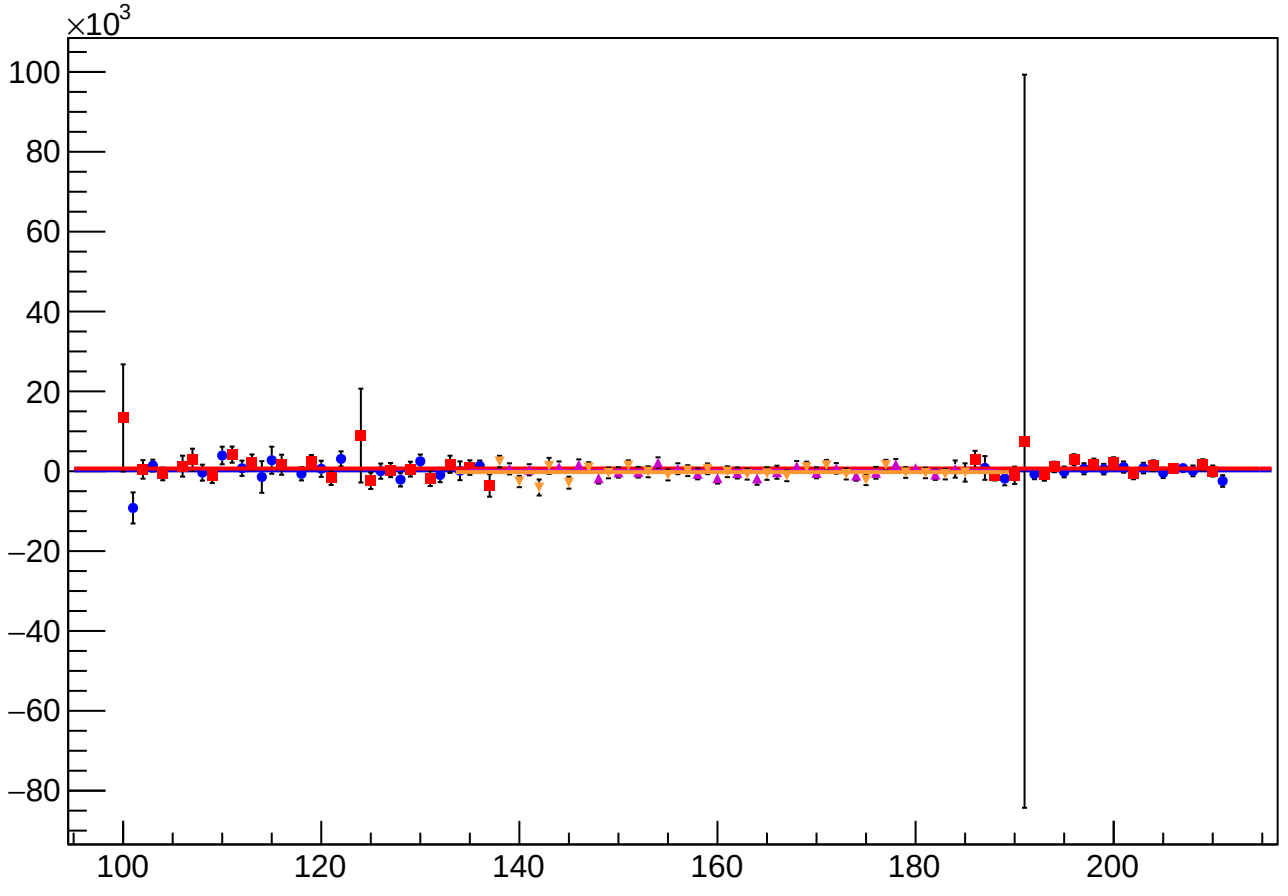
Right Out: 1231.638+/-0.215 χ^2/NDF: 2731360.8/32

Left In: 582.189+/-0.097 χ^2/NDF:559258.0/22

+ sign 684.989+/-0.087 χ^2/NDF: 9945350.2/52

All: 688.393+/-0.062 χ^2/NDF: 20801591.5/10

- sign 691.891+/-0.088 χ^2/NDF: 10853157.3/55



Right In: 216.759+/-311.550 χ^2/NDF: 24.2/27

Left Out: -220.755+/-283.055 χ^2/NDF:23.9/24

Right Out: 686.170+/-303.809 χ^2/NDF: 28.0/32

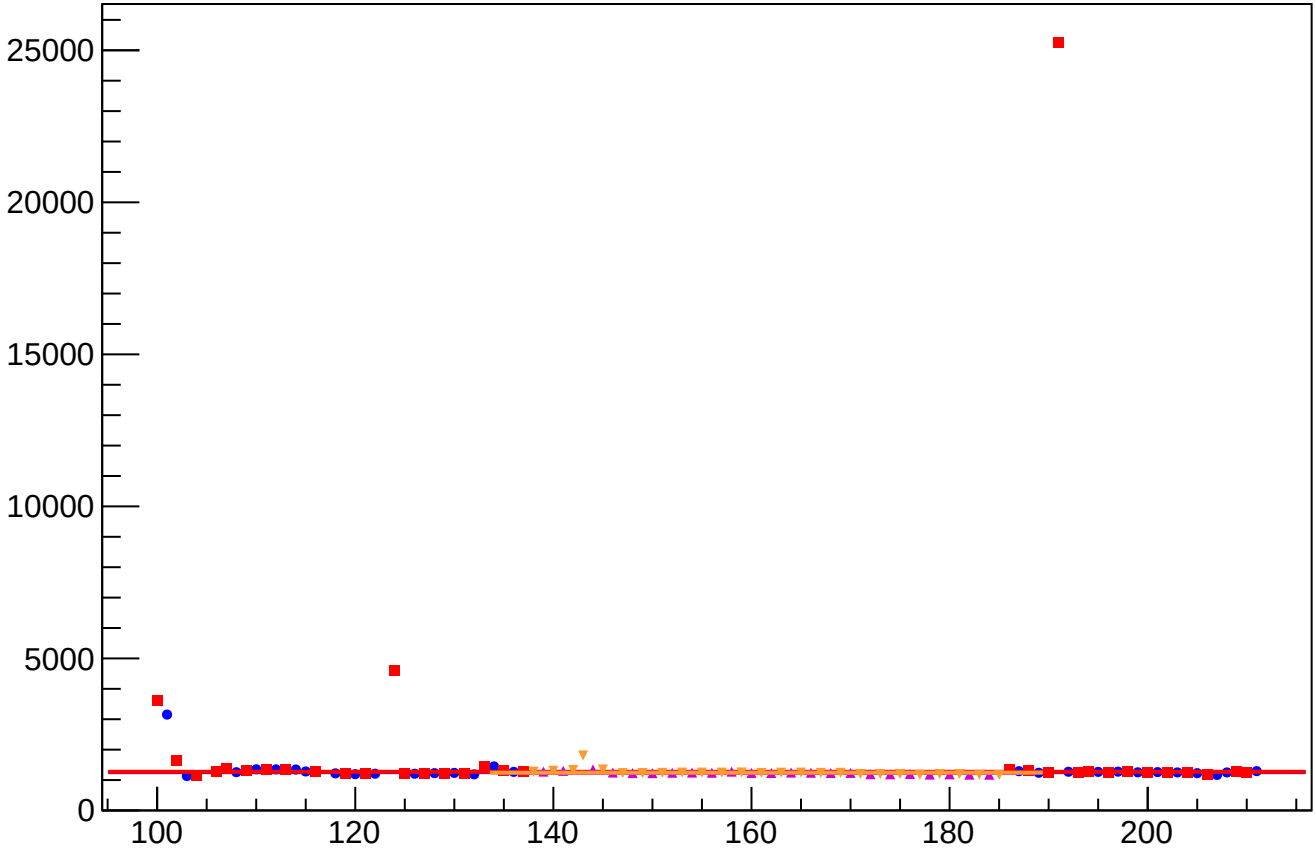
Left In: 92.472+/-288.217 χ^2/NDF:14.7/22

\+ sign -22.917+/-209.501 χ^2/NDF: 49.2/52

All: 175.774+/-147.996 χ^2/NDF: 95.6/108

\- sign 373.696+/-209.095 χ^2/NDF: 44.7/55

eigen_cor_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1259.630+/-0.220 χ^2/NDF: 535030.9/27

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

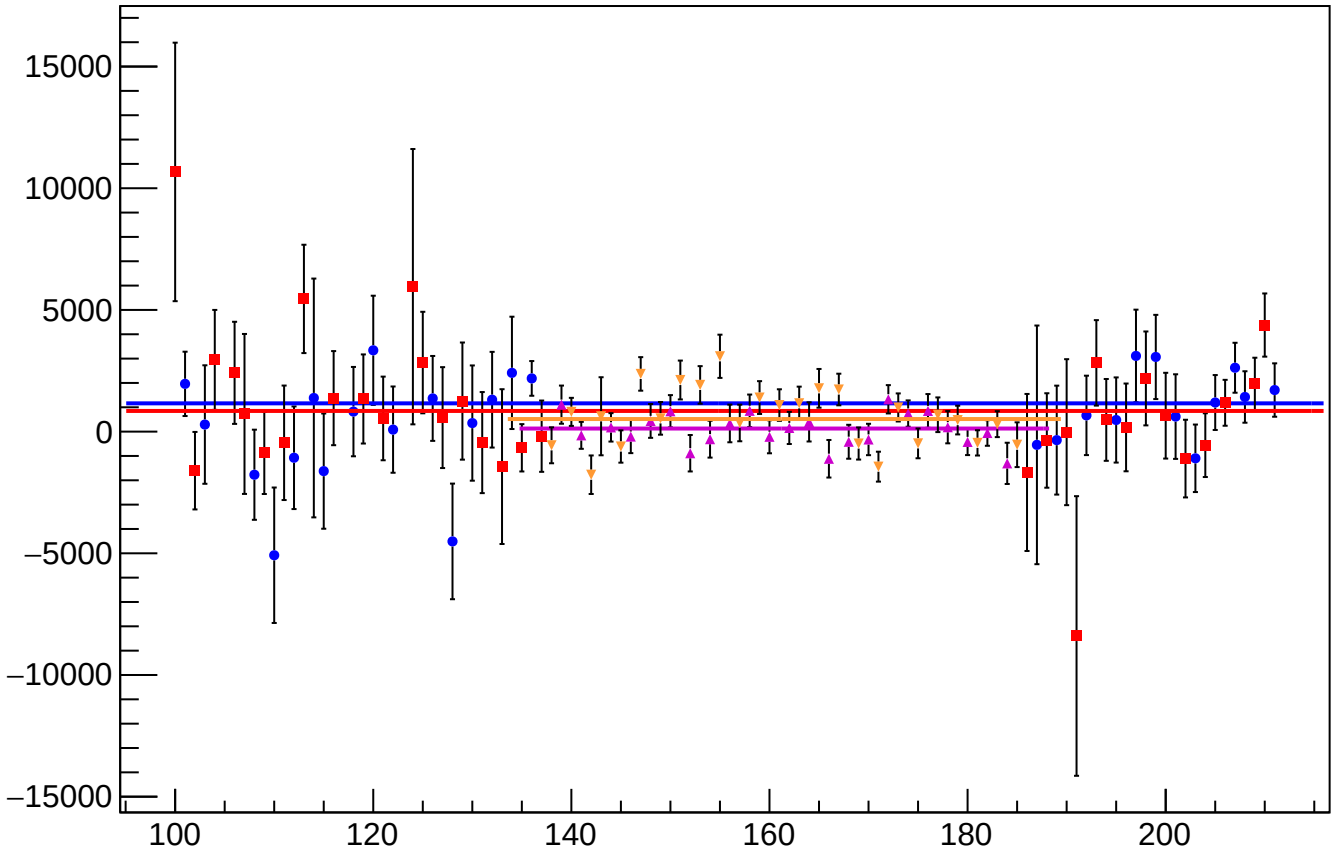
Right Out: 1271.156+/-0.215 χ^2/NDF: 493837.0/32

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

+ sign 1250.424+/-0.148 χ^2/NDF: 741517.8/52

All: 1250.948+/-0.105 χ^2/NDF: 1290616.5/10

- sign 1251.470+/-0.148 χ^2/NDF: 549073.8/55



Right In: 1161.604+/-296.358 χ^2/NDF: 28.3/27

Left Out: 516.811+/-135.747 χ^2/NDF:67.0/24

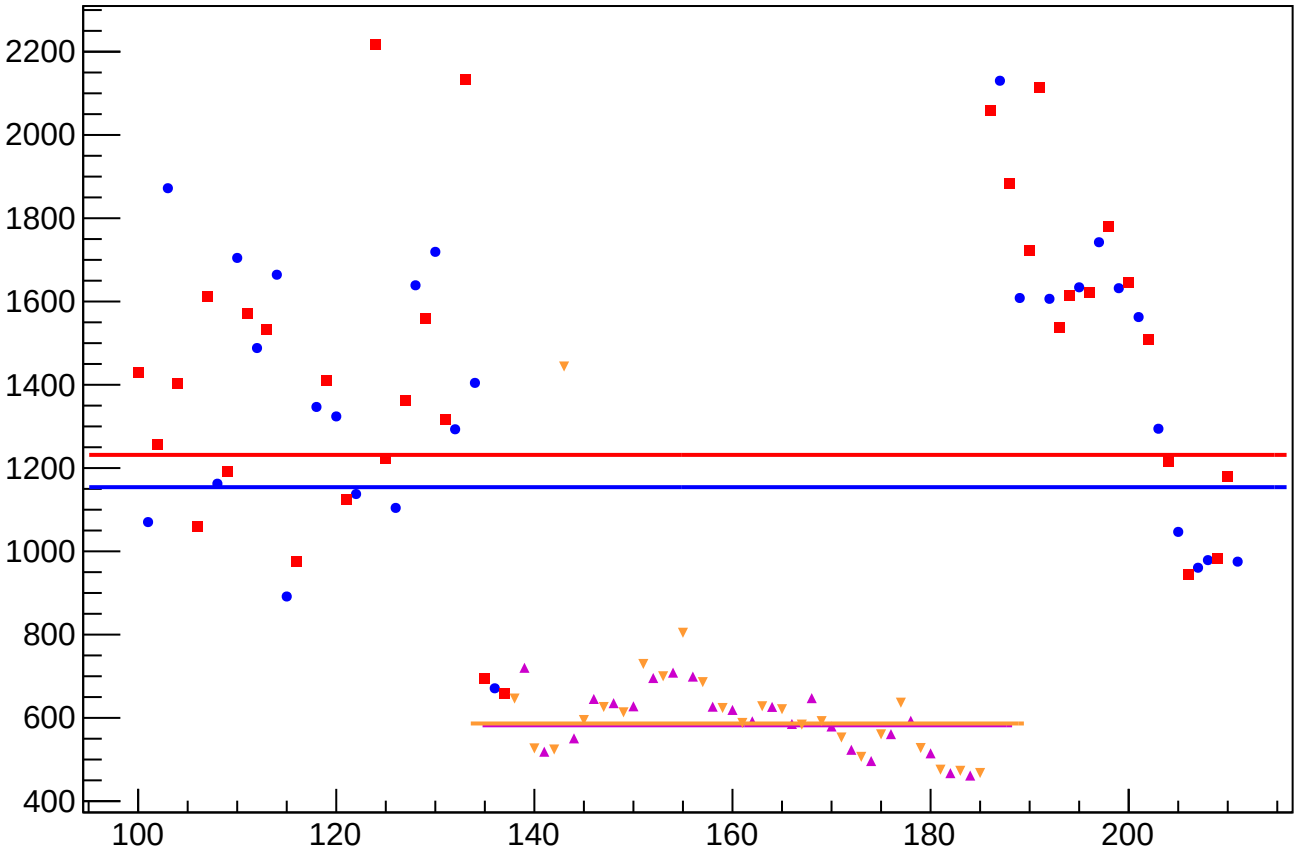
Right Out: 849.482+/-304.473 χ^2/NDF: 35.7/32

Left In: 126.549+/-137.266 χ^2/NDF:21.6/22

+ sign 628.634+/-123.416 χ^2/NDF: 99.2/52

All: 441.280+/-87.870 χ^2/NDF: 165.8/108

- sign 248.665+/-125.137 χ^2/NDF: 61.9/55



Right In: 1154.116+/-0.210 χ^2/NDF: 2679443.6/27

Left Out: 586.562+/-0.096 χ^2/NDF:1202822.0/24

Right Out: 1231.638+/-0.215 χ^2/NDF: 2731360.8/32

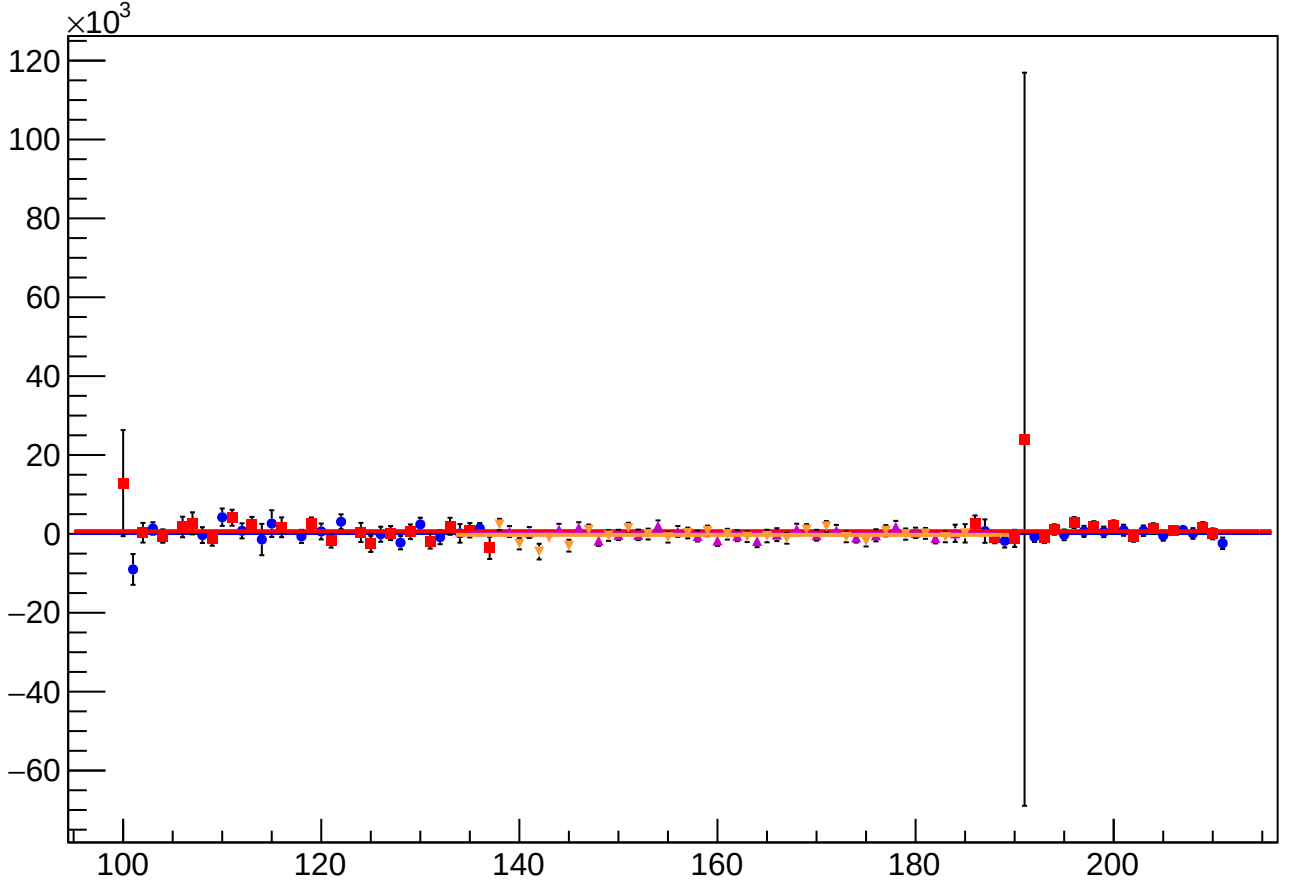
Left In: 582.189+/-0.097 χ^2/NDF:559258.0/22

+ sign 684.989+/-0.087 χ^2/NDF: 9945350.2/52

All: 688.393+/-0.062 χ^2/NDF: 20801591.5/10

- sign 691.891+/-0.088 χ^2/NDF: 10853157.3/55

dit_asym_at1_dd_at2_dd_avg_mean vs Slug



Right In: 222.479+/-312.596 χ^2/NDF: 24.1/27

Left Out: -250.849+/-279.923 χ^2/NDF:24.0/24

Right Out: 682.822+/-303.062 χ^2/NDF: 27.5/32

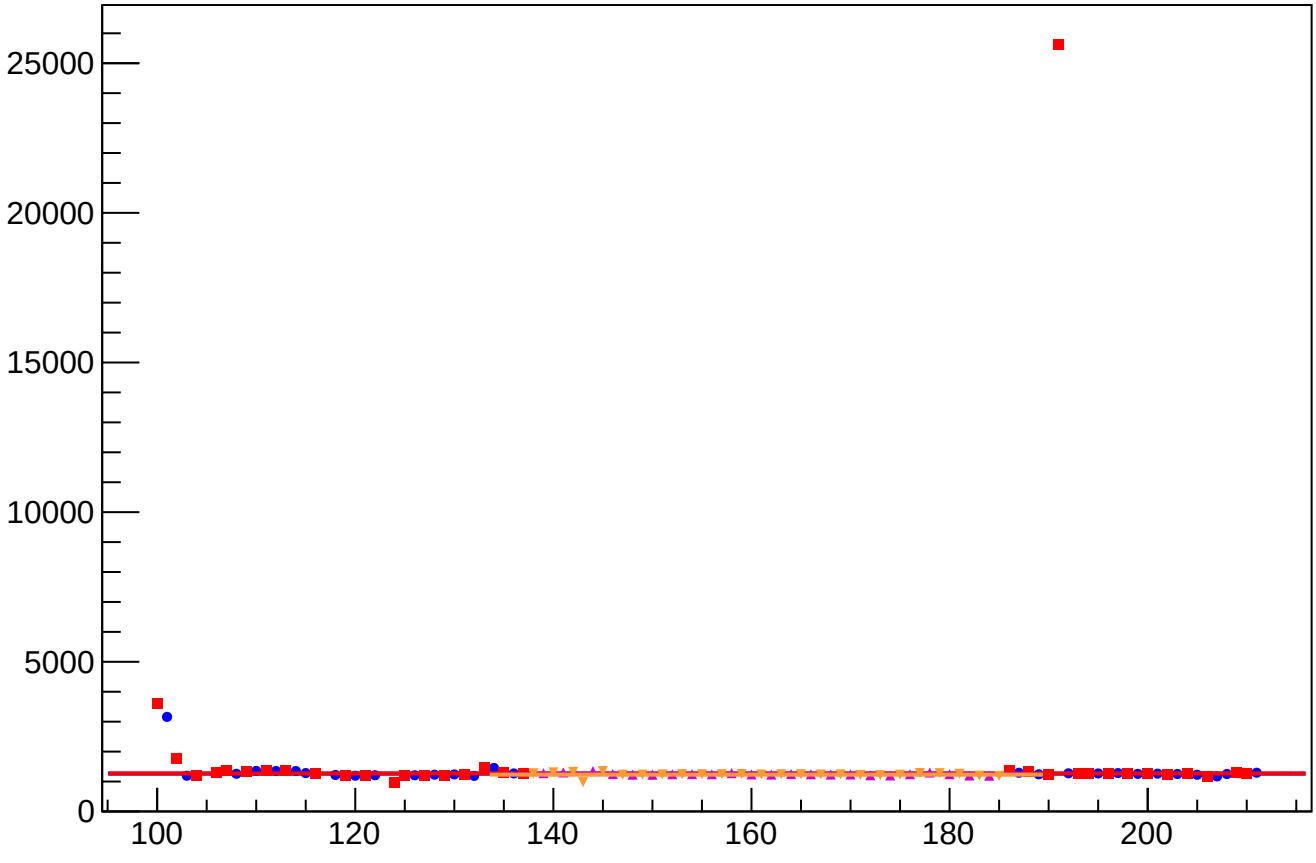
Left In: 74.881+/-291.458 χ^2/NDF:14.0/22

\+ sign -40.206+/-208.533 χ^2/NDF: 49.5/52

All: 161.893+/-147.997 χ^2/NDF: 94.9/108

\- sign 366.991+/-210.074 χ^2/NDF: 43.6/55

dit_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1264.037+/-0.221 χ^2/NDF: 524853.3/27

Left Out: 1229.986+/-0.198 χ^2/NDF:141607.5/24

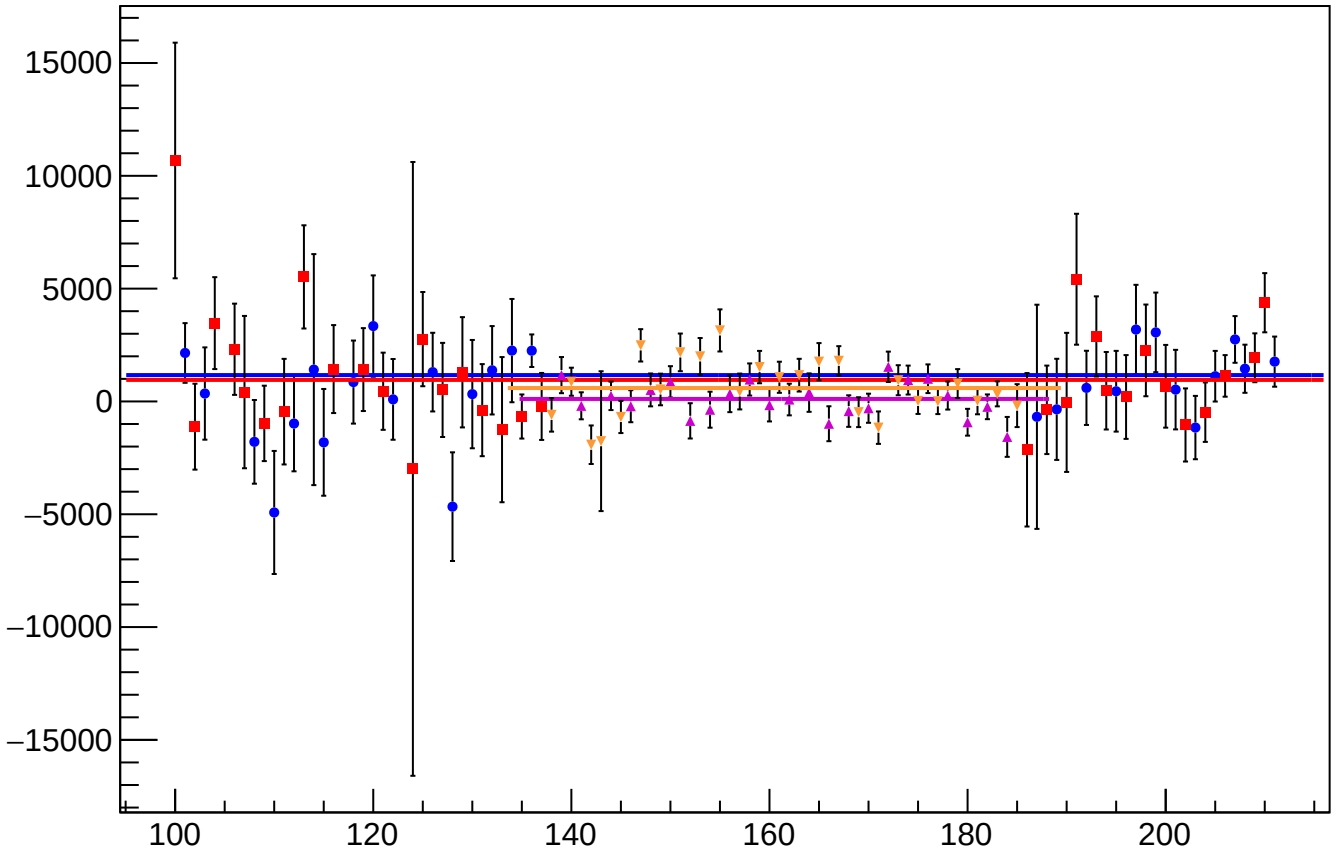
Right Out: 1269.647+/-0.214 χ^2/NDF: 385088.2/32

Left In: 1247.785+/-0.206 χ^2/NDF:27340.8/22

+ sign 1245.140+/-0.147 χ^2/NDF: 679630.9/52

All: 1251.666+/-0.105 χ^2/NDF: 1101413.8/10

- sign 1258.290+/-0.149 χ^2/NDF: 417835.7/55



Right In: 1168.618+/-297.808 χ^2/NDF: 29.3/27

Left Out: 595.000+/-142.130 χ^2/NDF:57.3/24

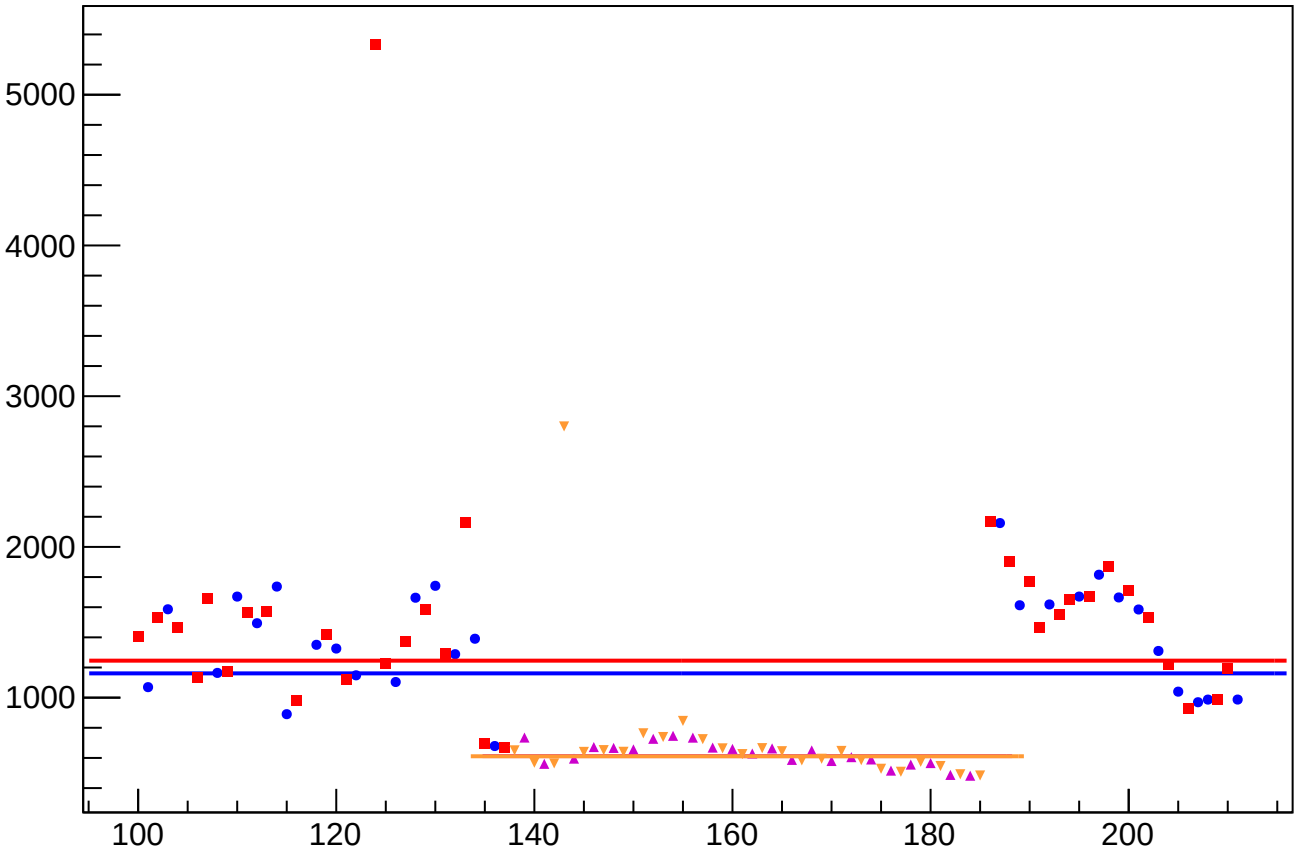
Right Out: 954.200+/-306.970 χ^2/NDF: 33.7/32

Left In: 110.252+/-144.232 χ^2/NDF:25.7/22

+ sign 701.416+/-128.271 χ^2/NDF: 89.6/52

All: 485.991+/-91.493 χ^2/NDF: 161.0/108

- sign 262.874+/-130.541 χ^2/NDF: 65.6/55



Right In: 1161.056+/-0.211 χ^2/NDF: 2618532.2/27

Left Out: 611.087+/-0.101 χ^2/NDF:1619322.3/24

Right Out: 1245.422+/-0.217 χ^2/NDF: 3027563.7/32

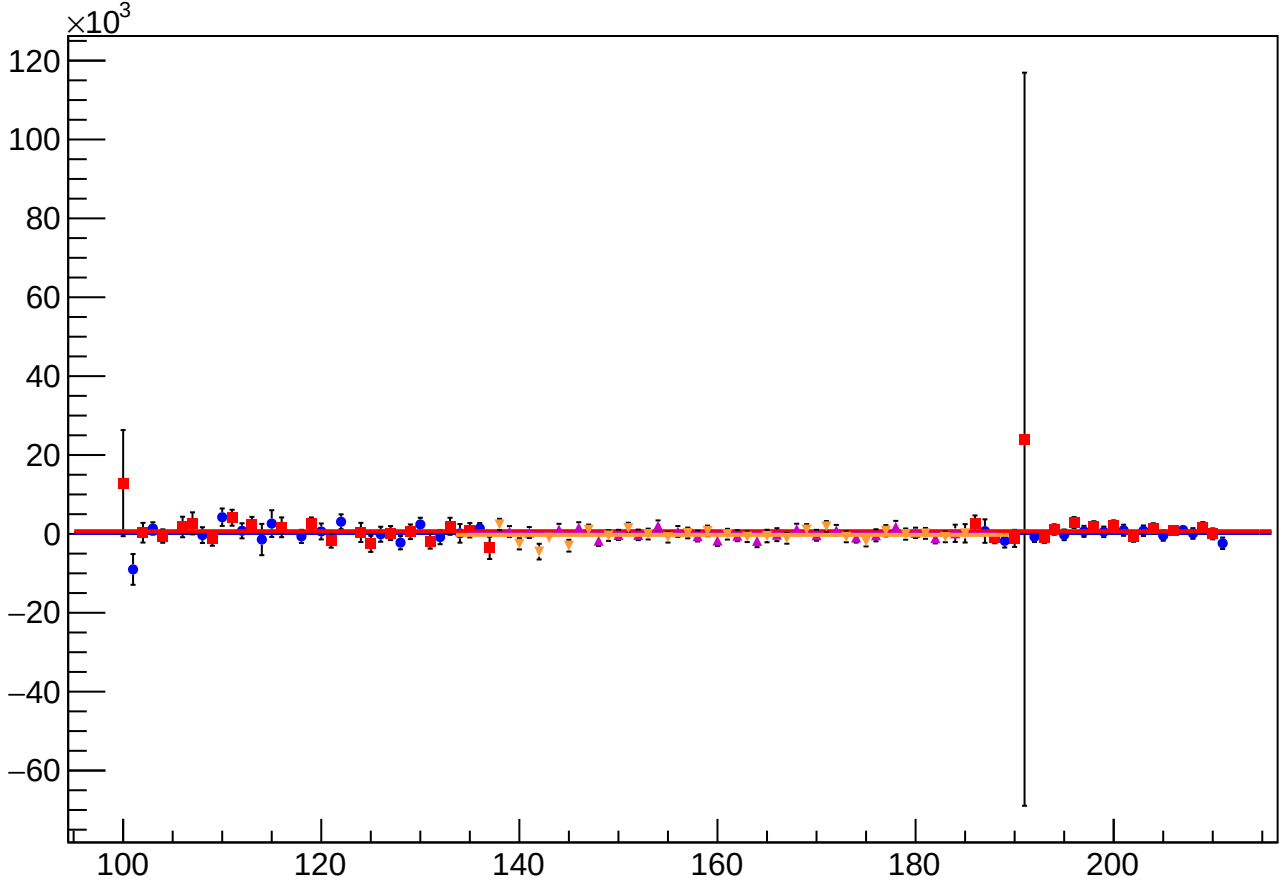
Left In: 612.399+/-0.102 χ^2/NDF:508595.4/22

+ sign 713.115+/-0.091 χ^2/NDF: 9793256.2/52

All: 719.875+/-0.065 χ^2/NDF: 20307701.9/10

- sign 726.876+/-0.092 χ^2/NDF: 10503137.8/55

eigen_dit_asym_at1_dd_at2_dd_avg_mean vs Slug



Right In: 222.478+/-312.596 χ^2/NDF: 24.1/27

Left Out: -250.851+/-279.923 χ^2/NDF:24.0/24

Right Out: 682.821+/-303.062 χ^2/NDF: 27.5/32

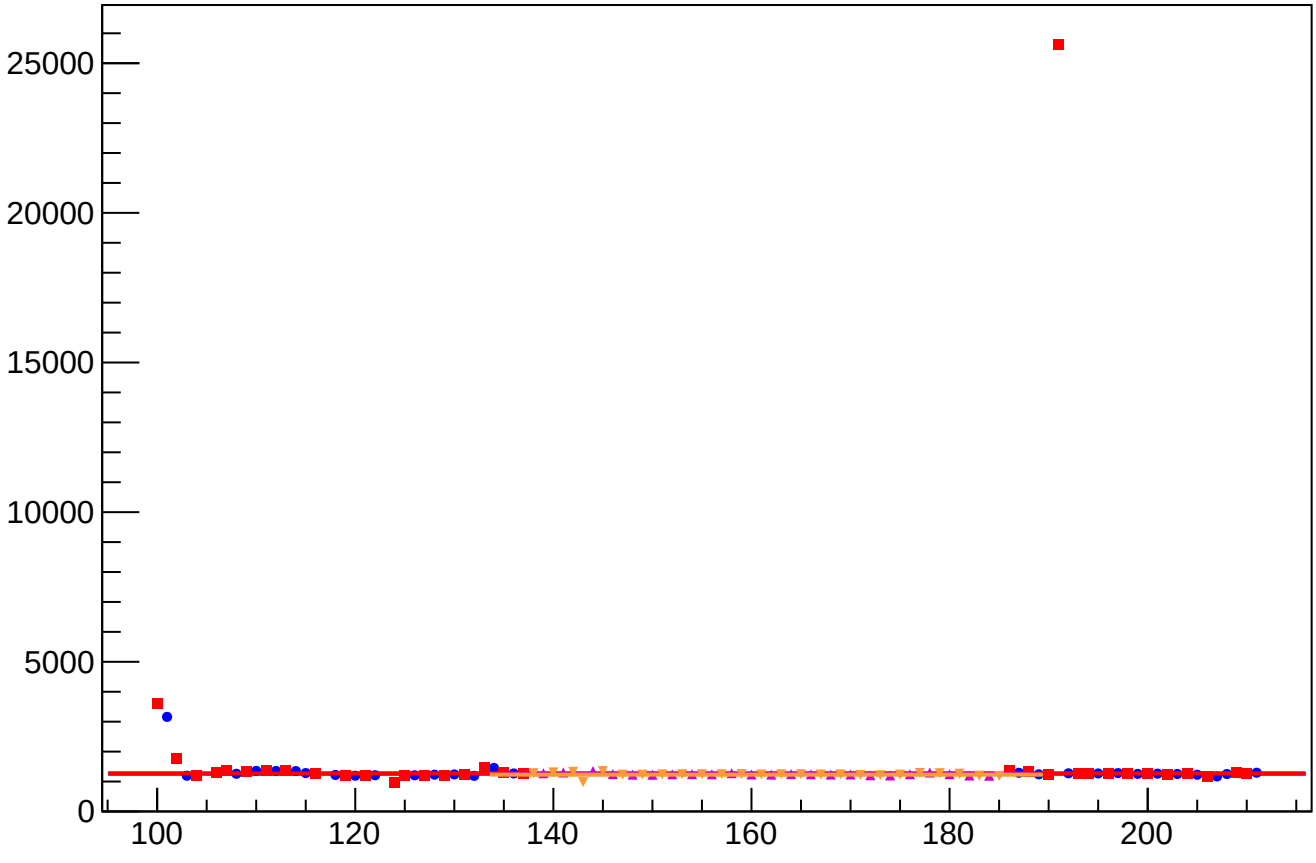
Left In: 74.881+/-291.458 χ^2/NDF:14.0/22

+ sign -40.208+/-208.533 χ^2/NDF: 49.5/52

All: 161.892+/-147.997 χ^2/NDF: 94.9/108

- sign 366.990+/-210.074 χ^2/NDF: 43.6/55

eigen_dit_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1264.037+/-0.221 χ^2/NDF: 524853.4/27

Left Out: 1229.986+/-0.198 χ^2/NDF:141606.6/24

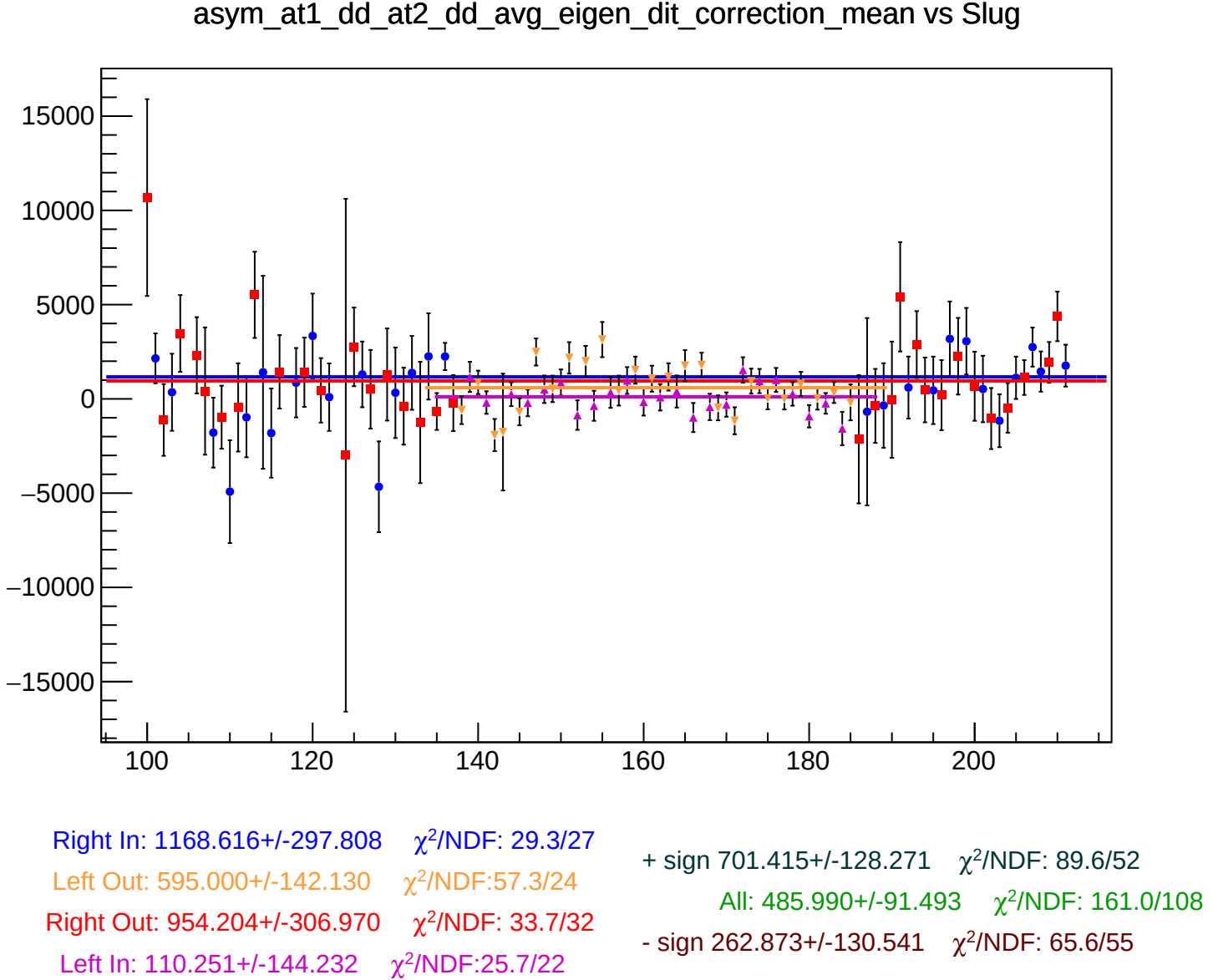
Right Out: 1269.647+/-0.214 χ^2/NDF: 385088.0/32

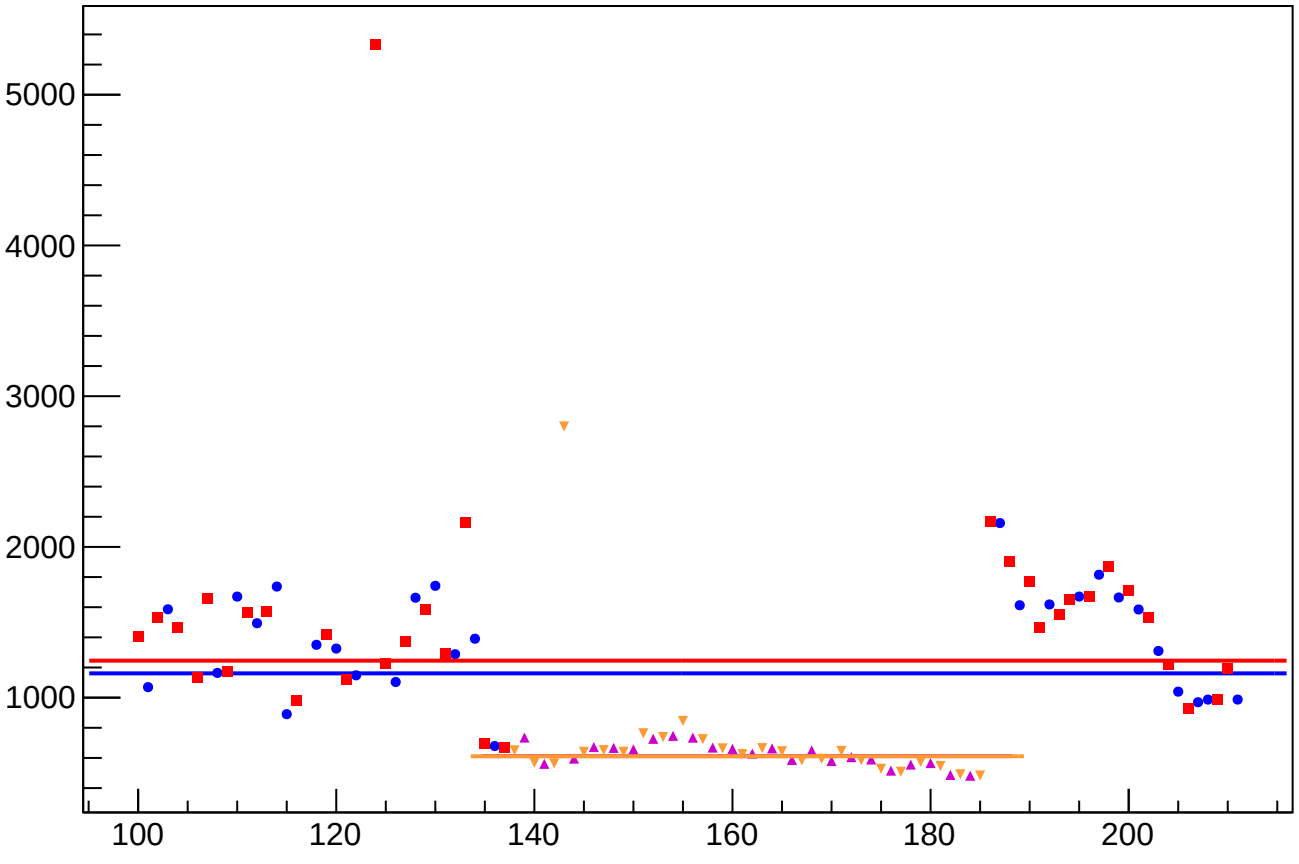
Left In: 1247.785+/-0.206 χ^2/NDF:27340.7/22

+ sign 1245.139+/-0.147 χ^2/NDF: 679630.0/52

All: 1251.666+/-0.105 χ^2/NDF: 1101412.8/10

- sign 1258.289+/-0.149 χ^2/NDF: 417835.5/55


asym_at1_dd_at2_dd_avg_eigen_dit_correction_mean vs Slug
15000
10000
5000
0
−5000
−10000
−15000
100
120
140
160
180
200
Right In: 1168.616+/-297.808 χ²/NDF: 29.3/27
Left Out: 595.000+/-142.130 χ²/NDF:57.3/24
Right Out: 954.204+/-306.970 χ²/NDF: 33.7/32
Left In: 110.251+/-144.232 χ²/NDF:25.7/22
+ sign 701.415+/-128.271 χ²/NDF: 89.6/52
All: 485.990+/-91.493 χ²/NDF: 161.0/108
- sign 262.873+/-130.541 χ²/NDF: 65.6/55



Right In: 1161.057+/-0.211 χ^2/NDF: 2618475.3/27

Left Out: 611.086+/-0.101 χ^2/NDF:1619319.5/24

Right Out: 1245.425+/-0.217 χ^2/NDF: 3027508.0/32

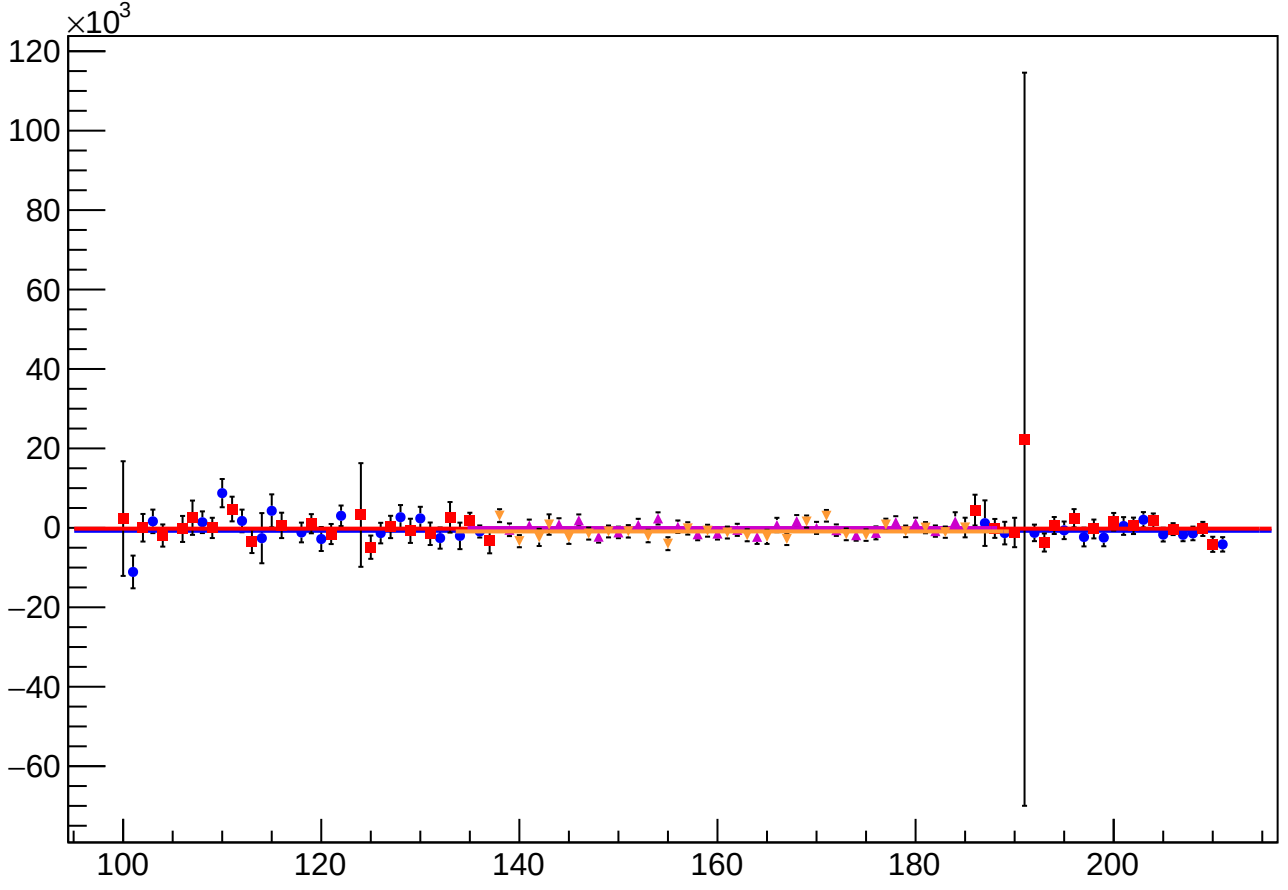
Left In: 612.398+/-0.102 χ^2/NDF:508597.7/22

+ sign 713.115+/-0.091 χ^2/NDF: 9793231.1/52

All: 719.875+/-0.065 χ^2/NDF: 20307688.5/10

- sign 726.876+/-0.092 χ^2/NDF: 10503150.4/55

asym_at1_dd_at2_dd_avg_mean vs Slug



Right In: -741.565+/-454.286 χ^2/NDF: 30.7/27

Left Out: -899.894+/-316.449 χ^2/NDF:29.8/24

Right Out: -198.111+/-452.190 χ^2/NDF: 21.8/32

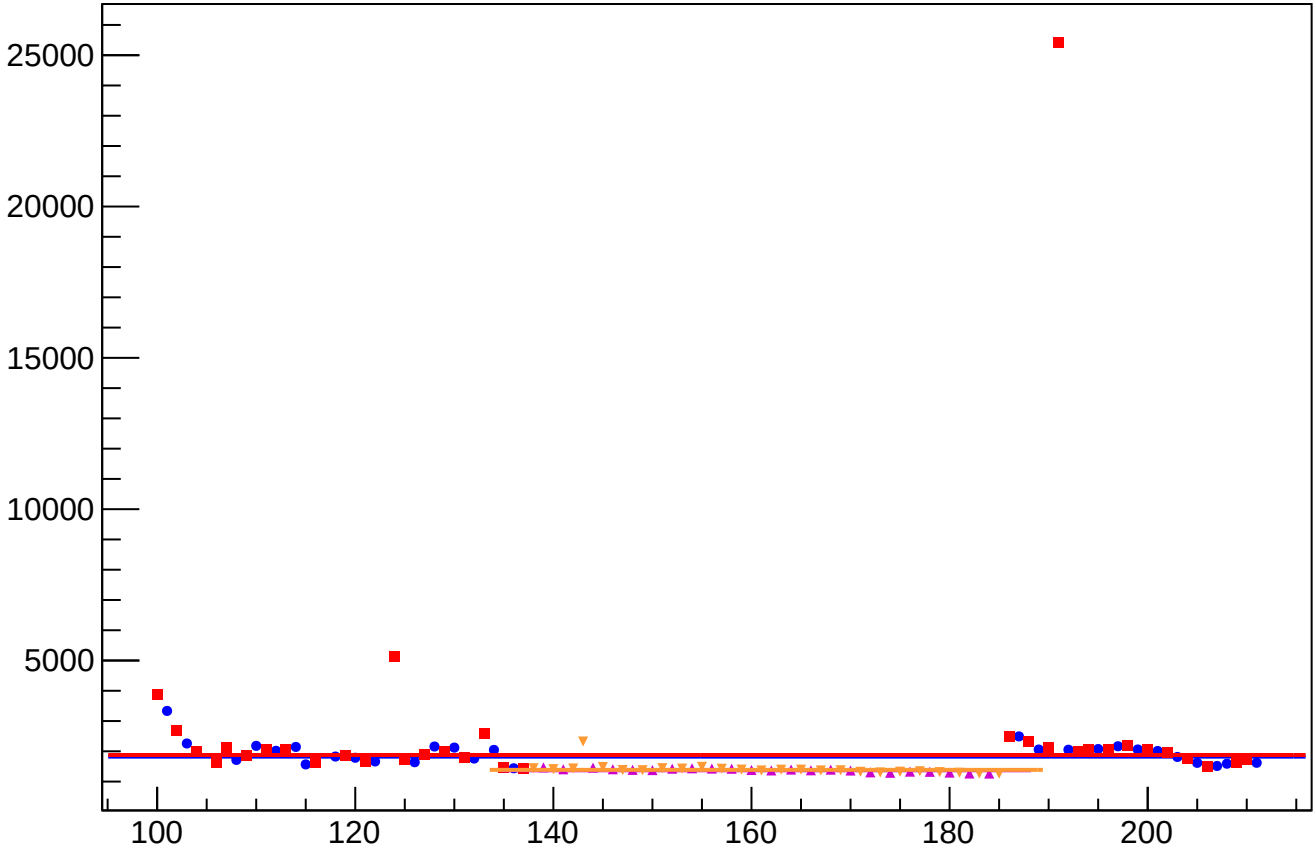
Left In: -48.178+/-320.929 χ^2/NDF:17.9/22

+ sign -848.168+/-259.661 χ^2/NDF: 60.6/52

All: -476.238+/-184.330 χ^2/NDF: 104.5/108

- sign -98.402+/-261.714 χ^2/NDF: 39.8/55

asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1824.636+/-0.321 χ^2/NDF: 889974.7/27

Left Out: 1386.845+/-0.224 χ^2/NDF:339794.5/24

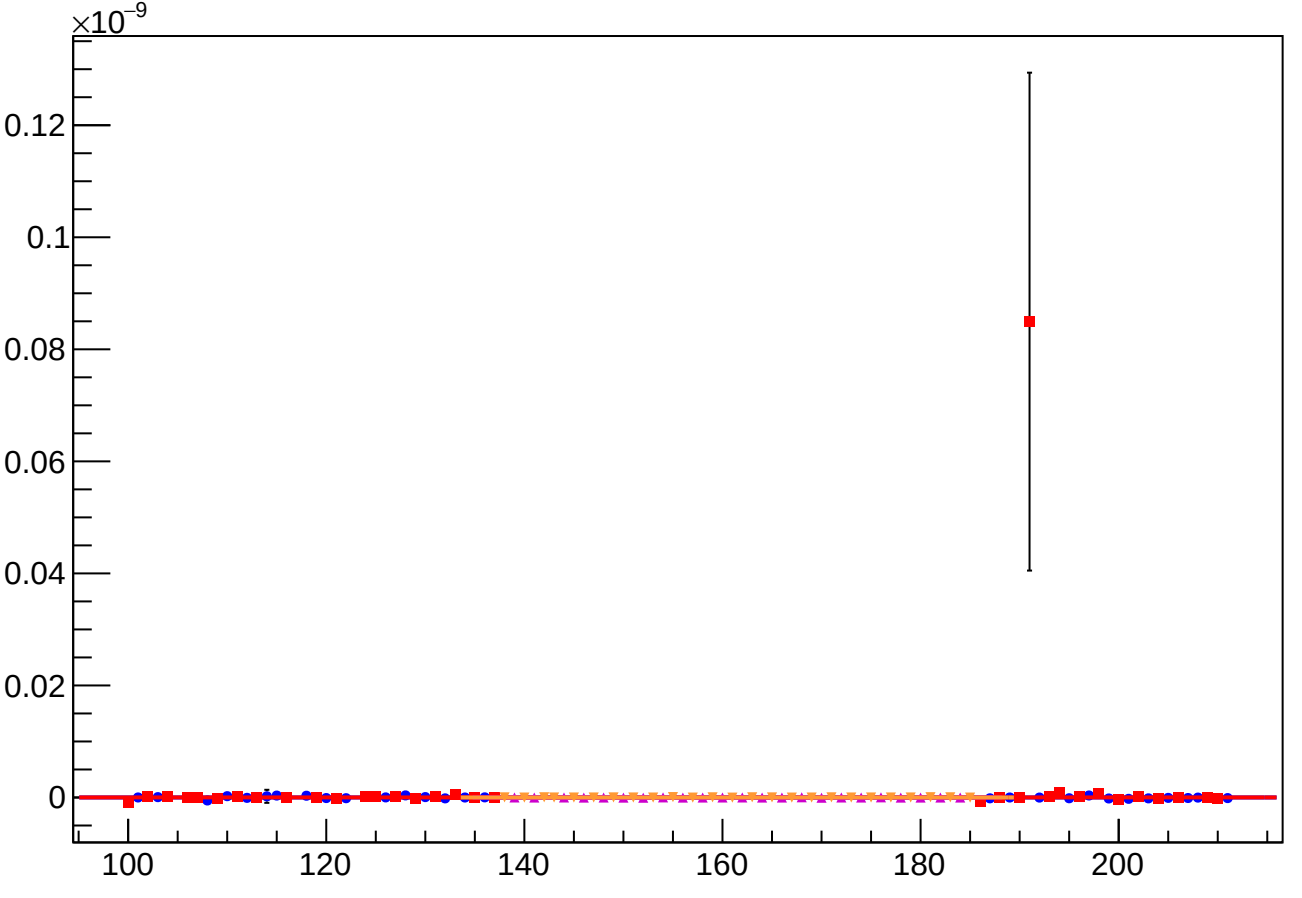
Right Out: 1878.055+/-0.320 χ^2/NDF: 1049827.5/32

Left In: 1373.217+/-0.227 χ^2/NDF:64467.6/22

+ sign 1529.873+/-0.184 χ^2/NDF: 2480352.5/52

All: 1536.051+/-0.130 χ^2/NDF: 5254735.1/10

- sign 1542.326+/-0.185 χ^2/NDF: 2772100.6/55



Right In: 0.000+/-0.000 χ^2/NDF: 24.6/27

Left Out: 0.000+/-0.000 χ^2/NDF:24.8/24

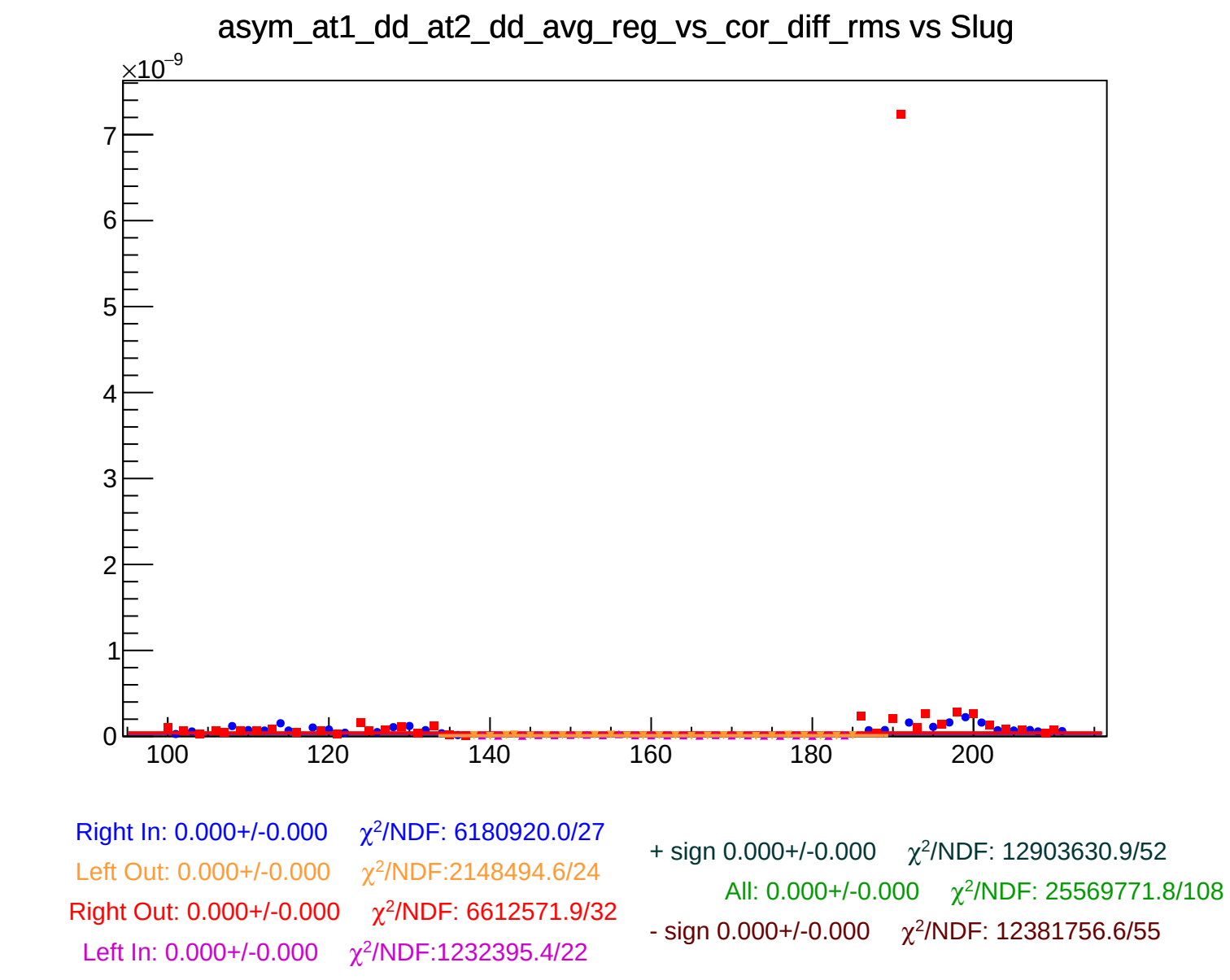
Right Out: 0.000+/-0.000 χ^2/NDF: 48.4/32

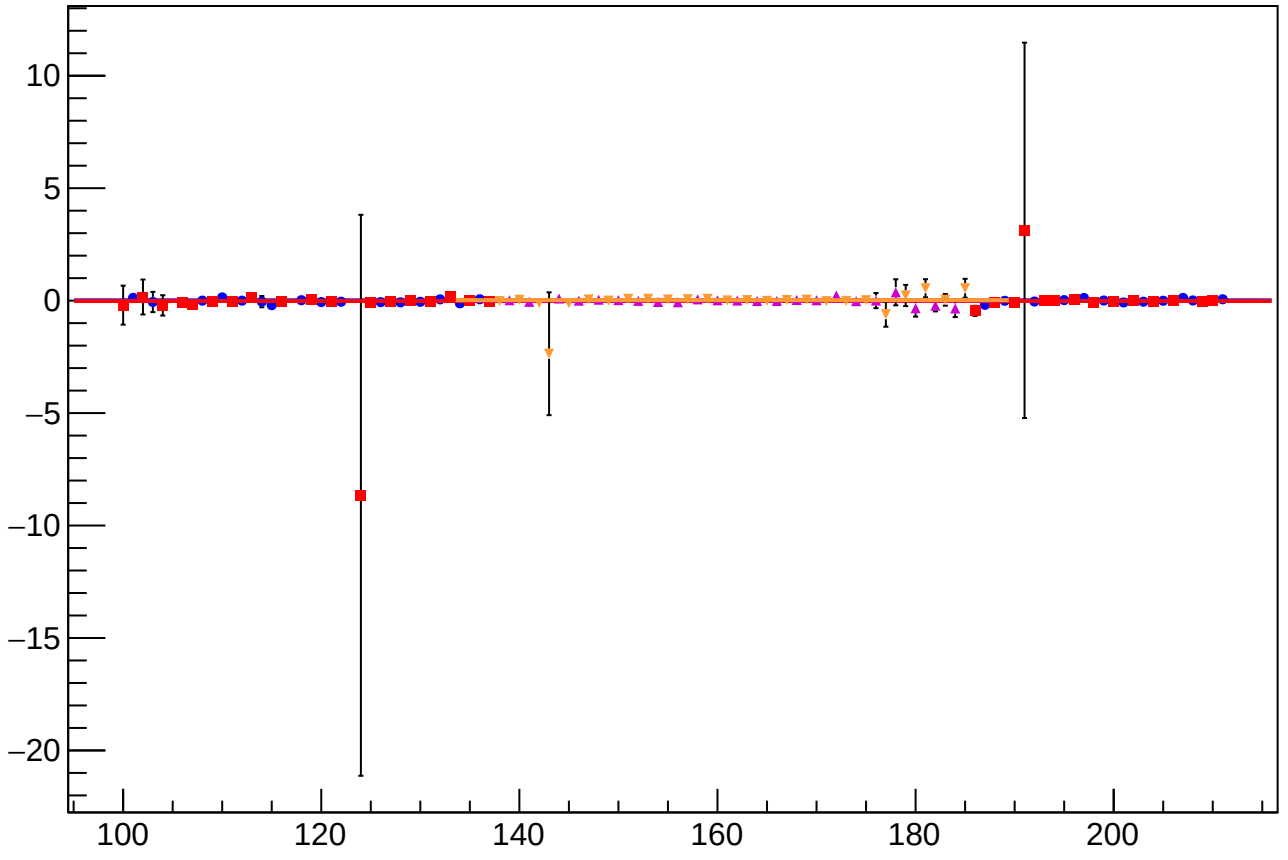
Left In: -0.000+/-0.000 χ^2/NDF:13.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 49.3/52

All: 0.000+/-0.000 χ^2/NDF: 112.4/108

- sign -0.000+/-0.000 χ^2/NDF: 62.4/55


asym_at1_dd_at2_dd_avg_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
7
6
5
4
3
2
1
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 6180920.0/27
Left Out: 0.000+/-0.000 χ²/NDF:2148494.6/24
Right Out: 0.000+/-0.000 χ²/NDF: 6612571.9/32
Left In: 0.000+/-0.000 χ²/NDF:1232395.4/22
+ sign 0.000+/-0.000 χ²/NDF: 12903630.9/52
All: 0.000+/-0.000 χ²/NDF: 25569771.8/108
- sign 0.000+/-0.000 χ²/NDF: 12381756.6/55



Right In: 0.013+/-0.010 χ^2/NDF: 44.1/27

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: -0.017+/-0.010 χ^2/NDF: 22.6/32

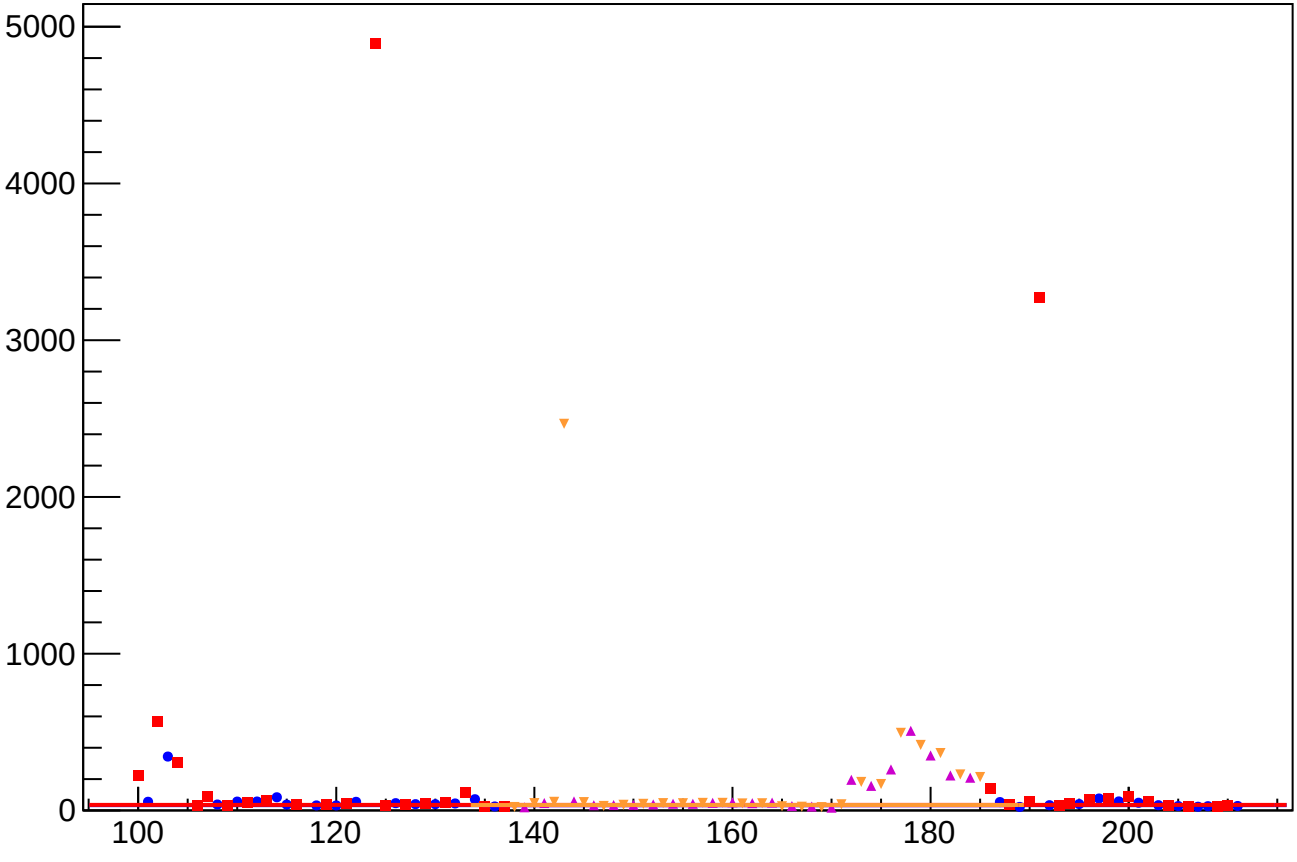
Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

+ sign 0.018+/-0.007 χ^2/NDF: 67.6/52

All: 0.007+/-0.005 χ^2/NDF: 112.9/108

- sign -0.003+/-0.007 χ^2/NDF: 40.9/55

asym_at1_dd_at2_dd_avg_dit_vs_cor_diff_rms vs Slug



Right In: 33.823+/-0.007 χ^2/NDF: 3610297.3/27

Left Out: 34.624+/-0.007 χ^2/NDF:11402451.4/24

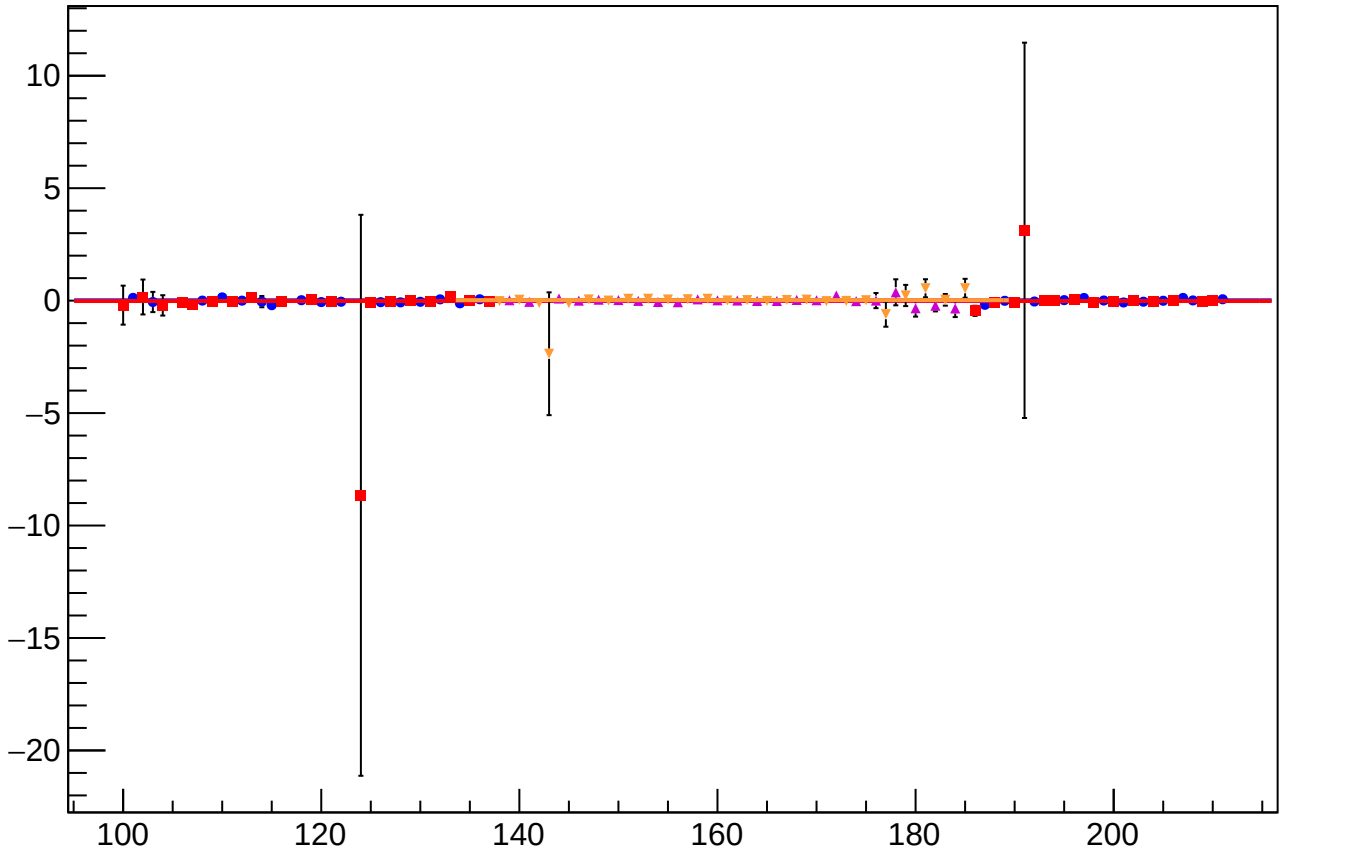
Right Out: 35.499+/-0.007 χ^2/NDF: 6386702.3/32

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

+ sign 34.200+/-0.005 χ^2/NDF: 15019255.2/52

All: 34.364+/-0.004 χ^2/NDF: 31511855.7/108

- sign 34.531+/-0.005 χ^2/NDF: 16490392.9/55



Right In: 0.013+/-0.010 χ^2/NDF: 44.1/27

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

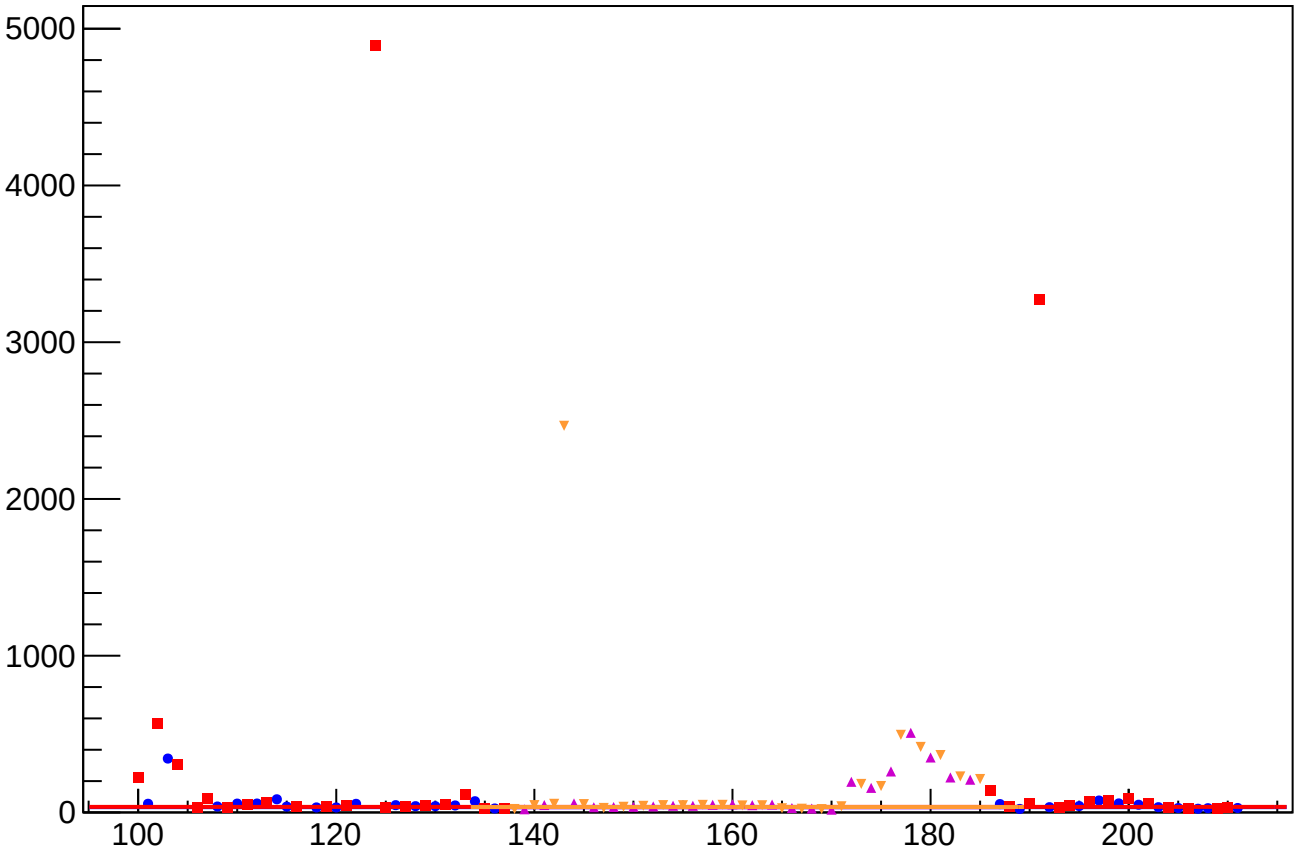
Right Out: -0.017+/-0.010 χ^2/NDF: 22.6/32

Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

+ sign 0.018+/-0.007 χ^2/NDF: 67.6/52

All: 0.007+/-0.005 χ^2/NDF: 112.9/108

- sign -0.003+/-0.007 χ^2/NDF: 40.9/55



Right In: 33.823+/-0.007 χ^2/NDF: 3610297.3/27

Left Out: 34.624+/-0.007 χ^2/NDF:11402451.4/24

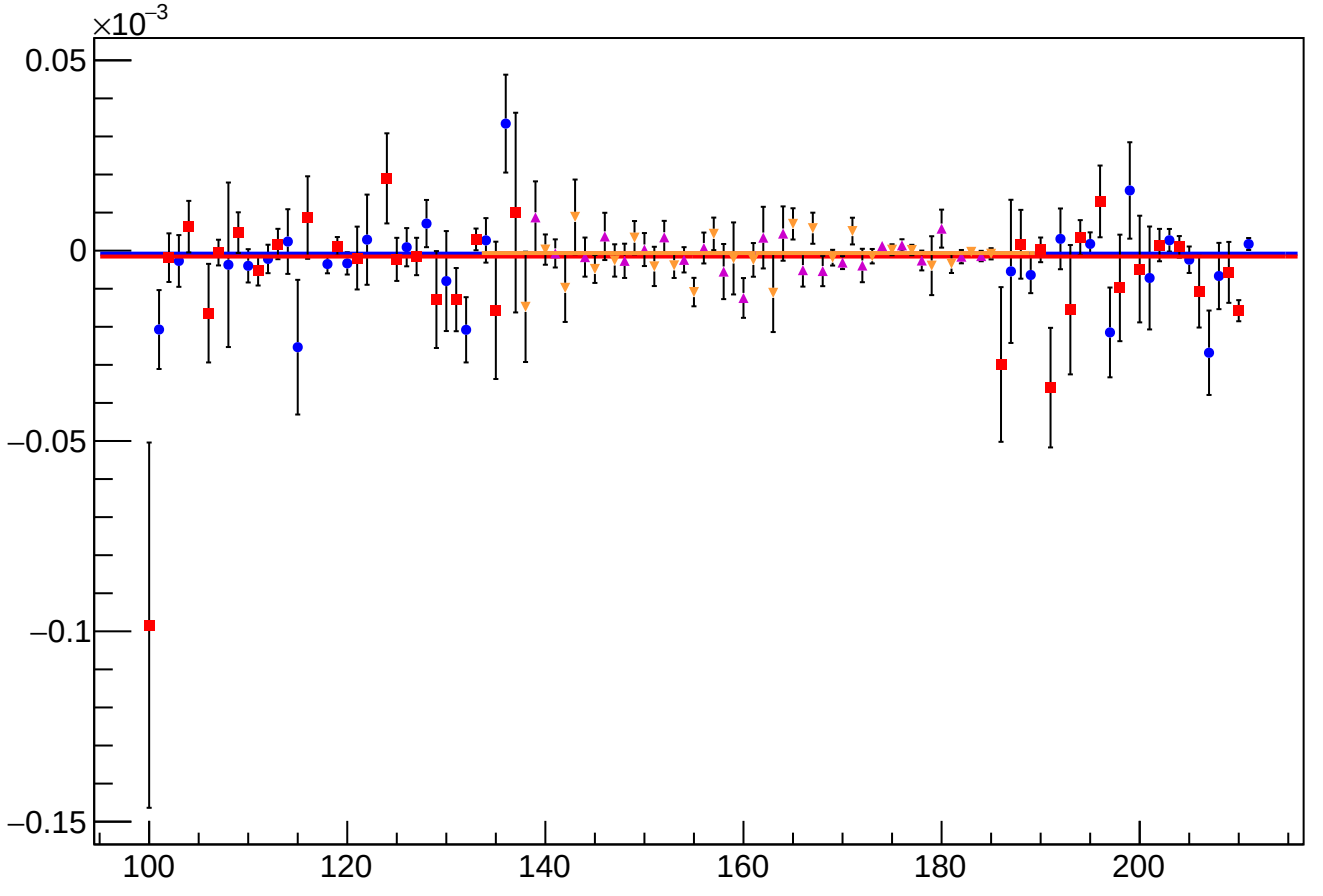
Right Out: 35.499+/-0.007 χ^2/NDF: 6386702.3/32

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

+ sign 34.200+/-0.005 χ^2/NDF: 15019255.2/52

All: 34.364+/-0.004 χ^2/NDF: 31511855.7/108

- sign 34.531+/-0.005 χ^2/NDF: 16490392.9/55



Right In: -0.000+/-0.000 χ^2/NDF: 41.1/27

Left Out: -0.000+/-0.000 χ^2/NDF:28.4/24

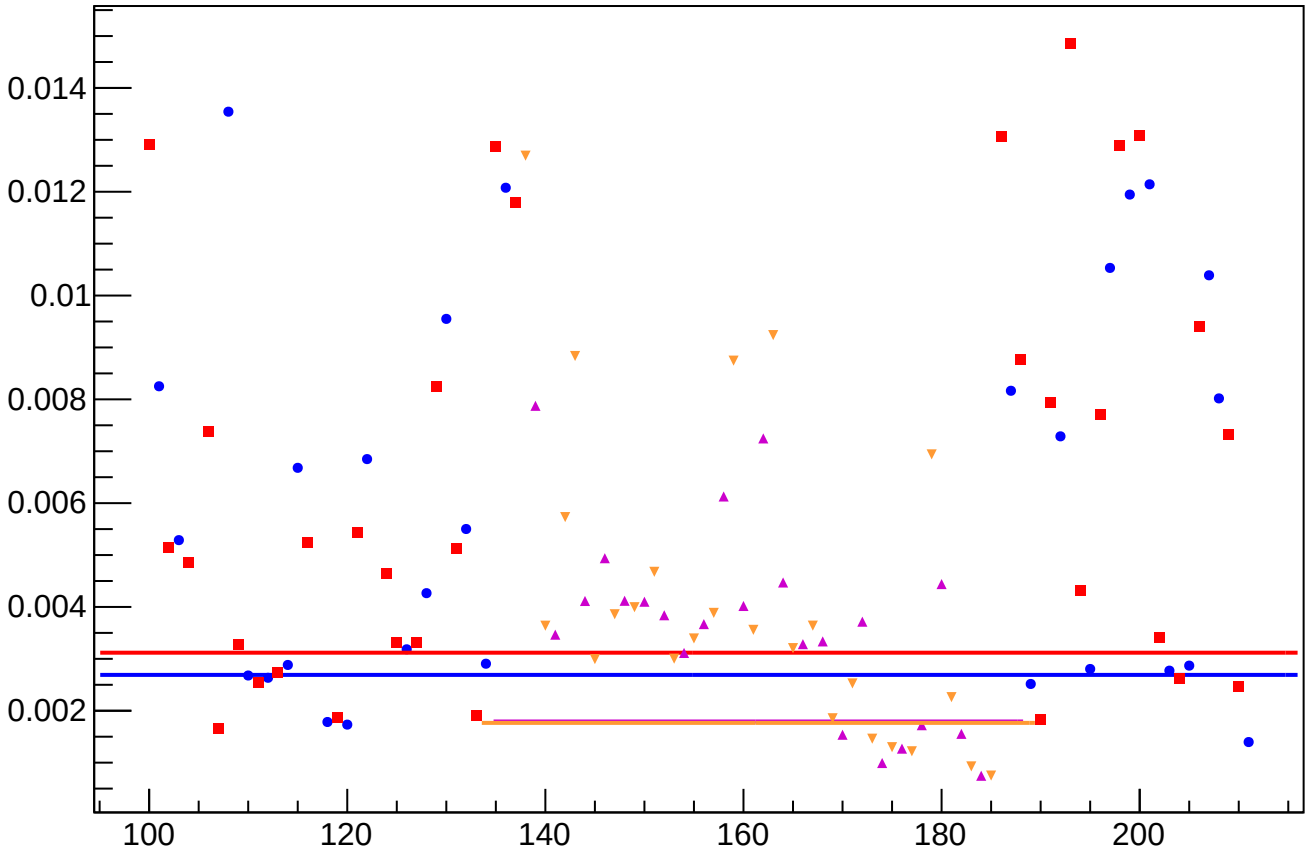
Right Out: -0.000+/-0.000 χ^2/NDF: 61.6/32

Left In: -0.000+/-0.000 χ^2/NDF:21.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 69.6/52

All: -0.000+/-0.000 χ^2/NDF: 154.0/108

- sign -0.000+/-0.000 χ^2/NDF: 84.3/55



Right In: 0.003+/-0.000 χ^2/NDF: 11033732.3/27

Left Out: 0.002+/-0.000 χ^2/NDF:12926339.2/24

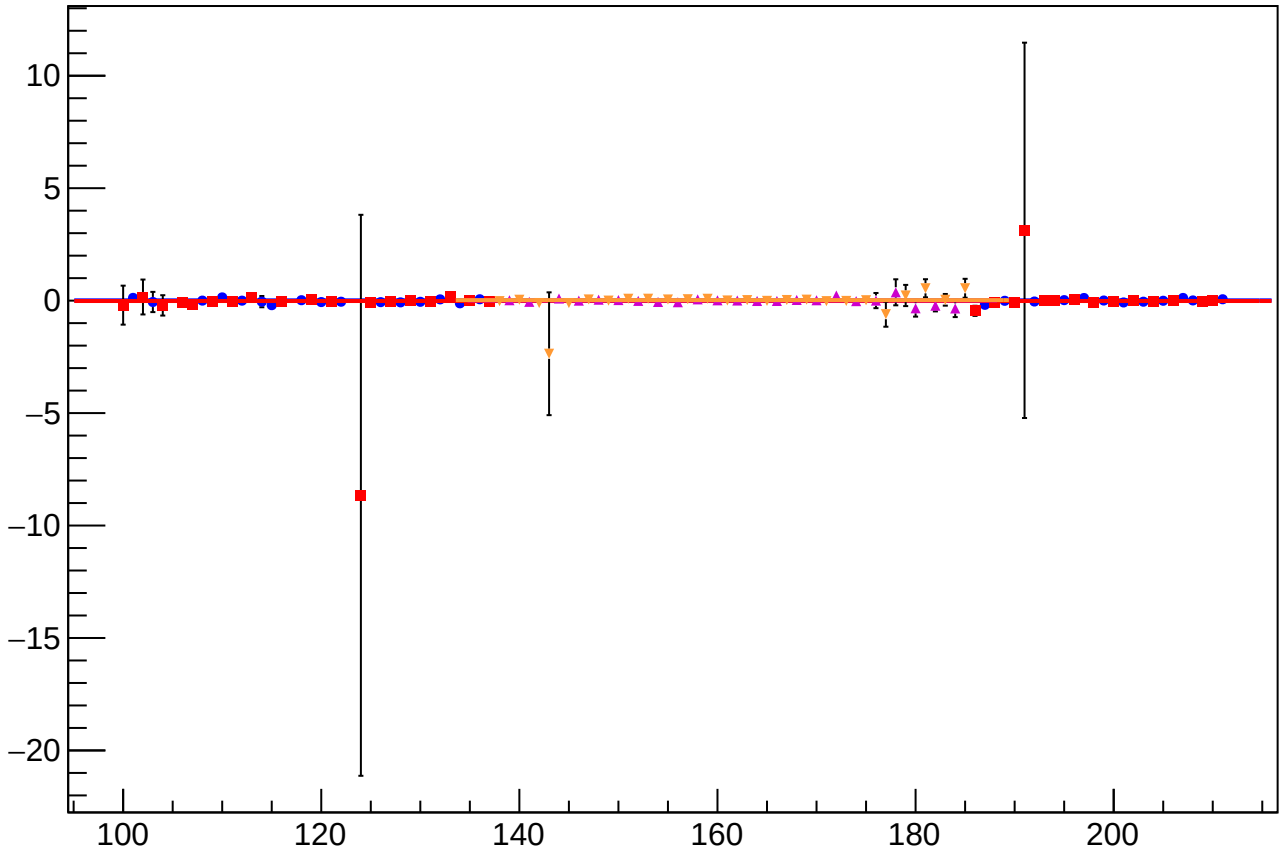
Right Out: 0.003+/-0.000 χ^2/NDF: 10419511.6/32

Left In: 0.002+/-0.000 χ^2/NDF:10766932.4/22

\+ sign 0.002+/-0.000 χ^2/NDF: 25706971.3/52

All: 0.002+/-0.000 χ^2/NDF: 50185242.6/108

\- sign 0.002+/-0.000 χ^2/NDF: 24385774.9/55



Right In: 0.013+/-0.010 χ^2/NDF: 44.1/27

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

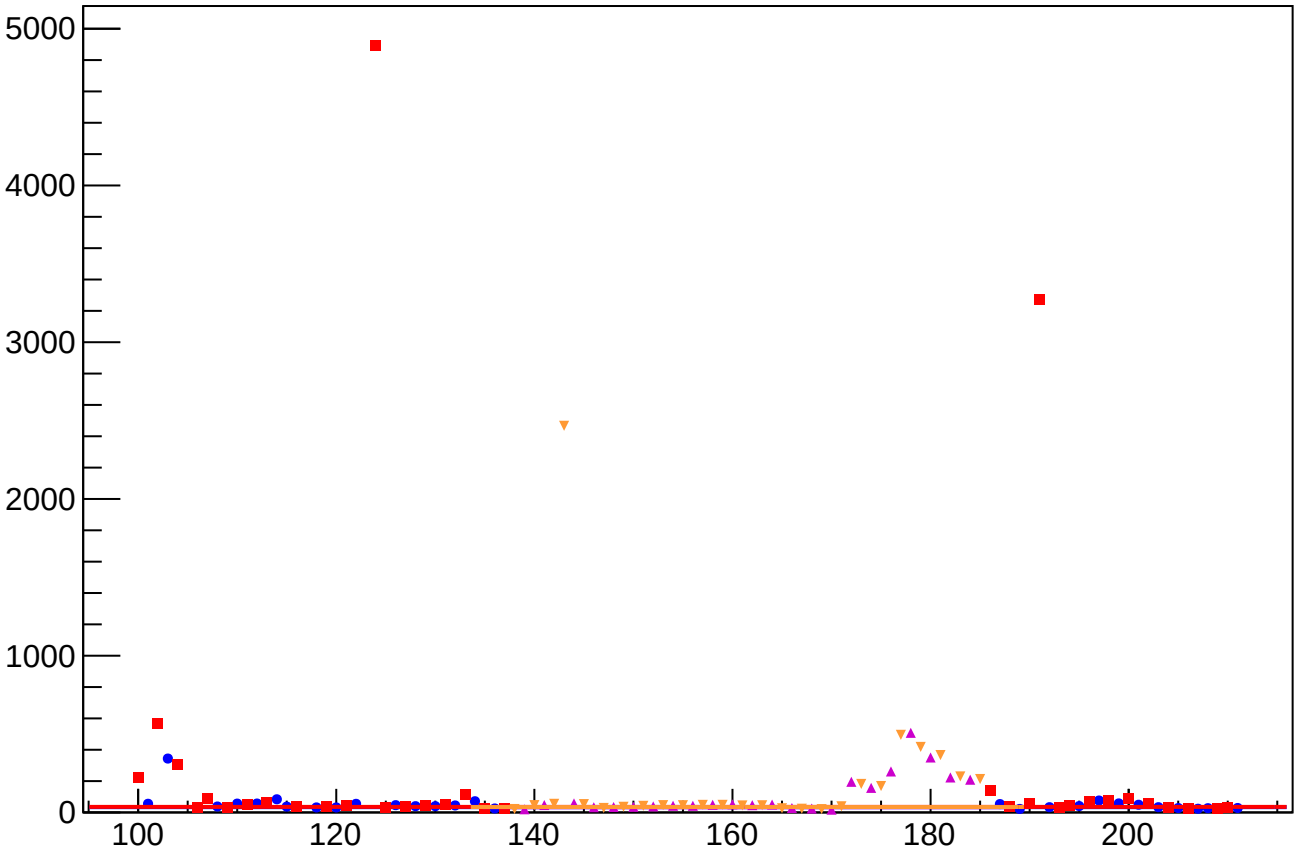
Right Out: -0.017+/-0.010 χ^2/NDF: 22.6/32

Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

+ sign 0.018+/-0.007 χ^2/NDF: 67.6/52

All: 0.007+/-0.005 χ^2/NDF: 112.9/108

- sign -0.003+/-0.007 χ^2/NDF: 40.9/55



Right In: 33.827+/-0.007 χ^2/NDF: 3608946.4/27

Left Out: 34.623+/-0.007 χ^2/NDF:11402566.2/24

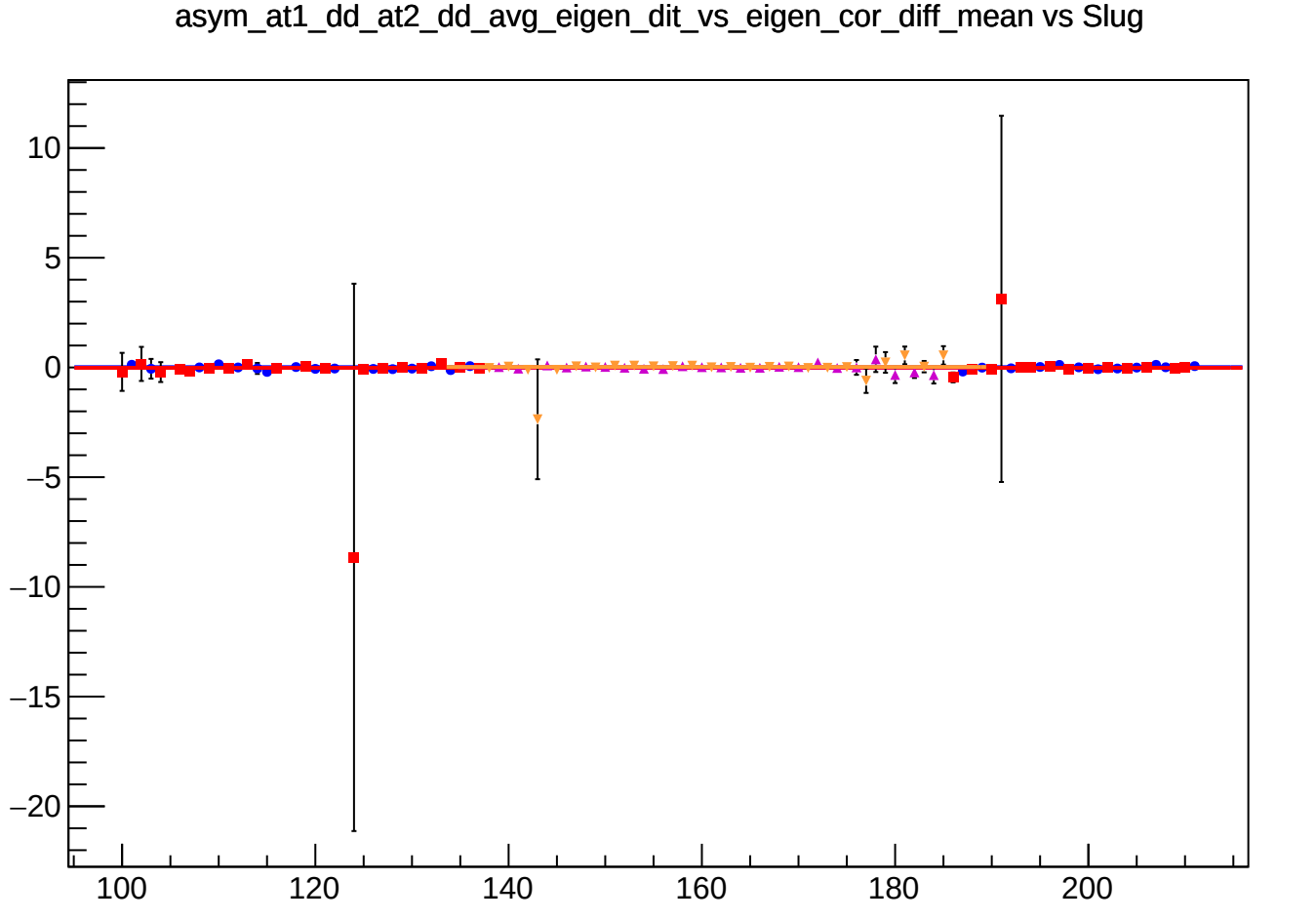
Right Out: 35.499+/-0.007 χ^2/NDF: 6386655.0/32

Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

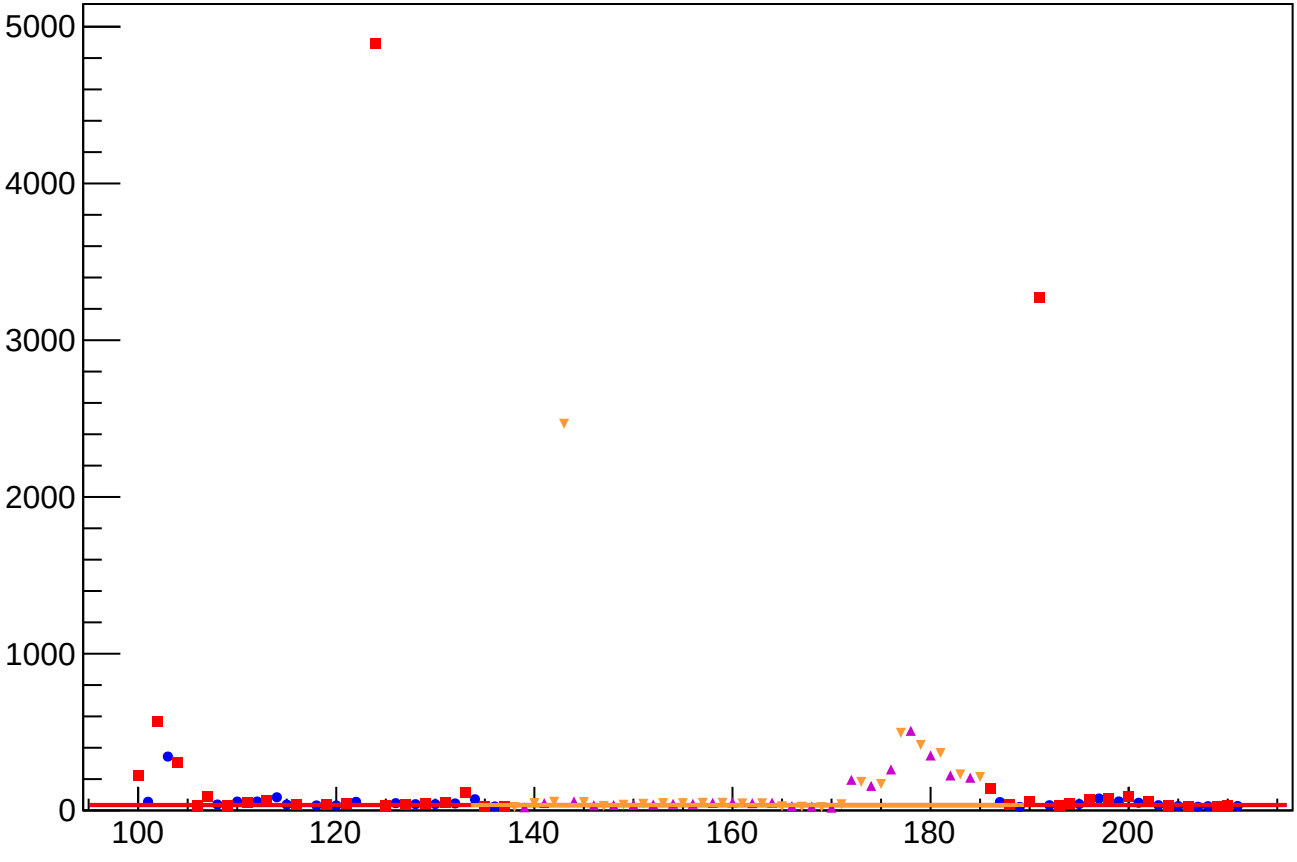
+ sign 34.201+/-0.005 χ^2/NDF: 15017951.5/52

All: 34.365+/-0.004 χ^2/NDF: 31509159.7/108

- sign 34.532+/-0.005 χ^2/NDF: 16488999.5/55


asym_at1_dd_at2_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug
10
5
0
−5
−10
−15
−20
100
120
140
160
180
200
Right In: 0.013+/-0.010 χ²/NDF: 44.1/27
Left Out: 0.023+/-0.010 χ²/NDF:22.8/24
Right Out: -0.017+/-0.010 χ²/NDF: 22.6/32
Left In: 0.010+/-0.010 χ²/NDF:14.8/22
+ sign 0.018+/-0.007 χ²/NDF: 67.6/52
All: 0.007+/-0.005 χ²/NDF: 112.9/108
- sign -0.003+/-0.007 χ²/NDF: 40.9/55

asym_at1_dd_at2_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 33.827+/-0.007 χ^2/NDF: 3608946.4/27

Left Out: 34.623+/-0.007 χ^2/NDF:11402566.2/24

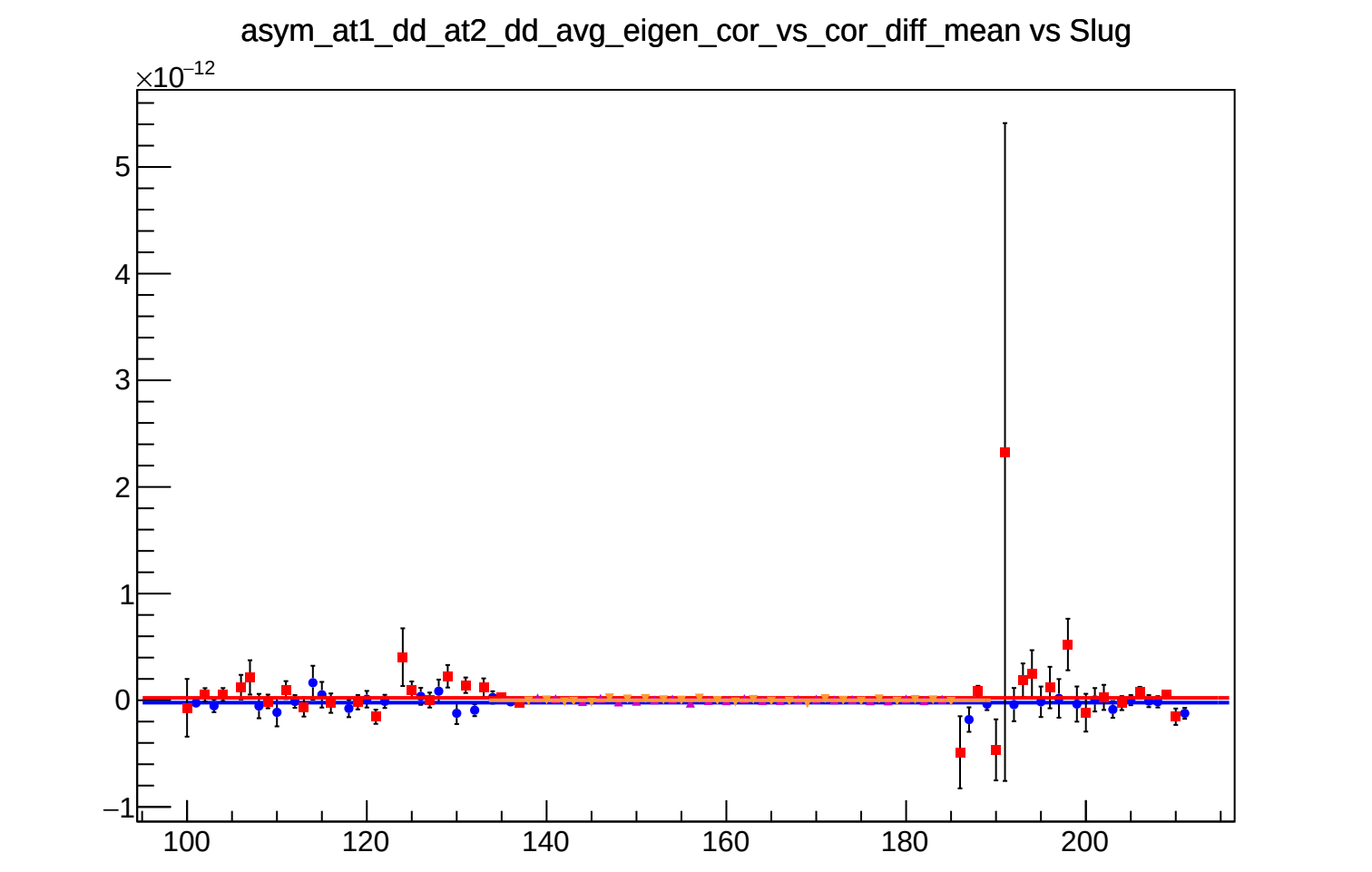
Right Out: 35.499+/-0.007 χ^2/NDF: 6386655.0/32

Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

+ sign 34.201+/-0.005 χ^2/NDF: 15017951.5/52

All: 34.365+/-0.004 χ^2/NDF: 31509159.7/108

- sign 34.532+/-0.005 χ^2/NDF: 16488999.5/55



Right In: -0.000+/-0.000 χ^2/NDF: 15.4/27

Left Out: -0.000+/-0.000 χ^2/NDF:26.0/24

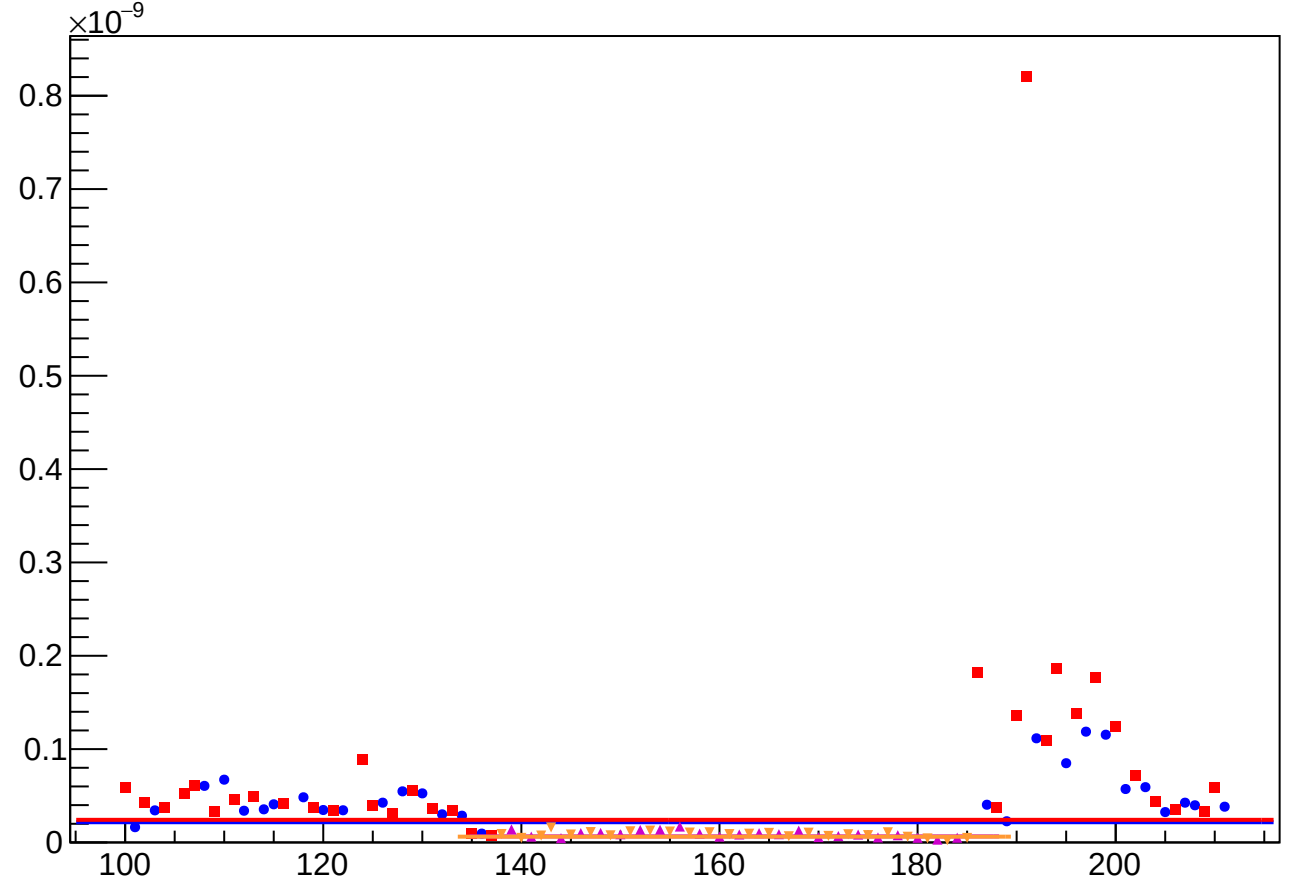
Right Out: 0.000+/-0.000 χ^2/NDF: 50.1/32

Left In: 0.000+/-0.000 χ^2/NDF:20.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 47.3/52

All: 0.000+/-0.000 χ^2/NDF: 123.8/108

- sign 0.000+/-0.000 χ^2/NDF: 74.2/55



Right In: 0.000+/-0.000 χ^2/NDF: 7484915.3/27

Left Out: 0.000+/-0.000 χ^2/NDF:5077918.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10116426.2/32

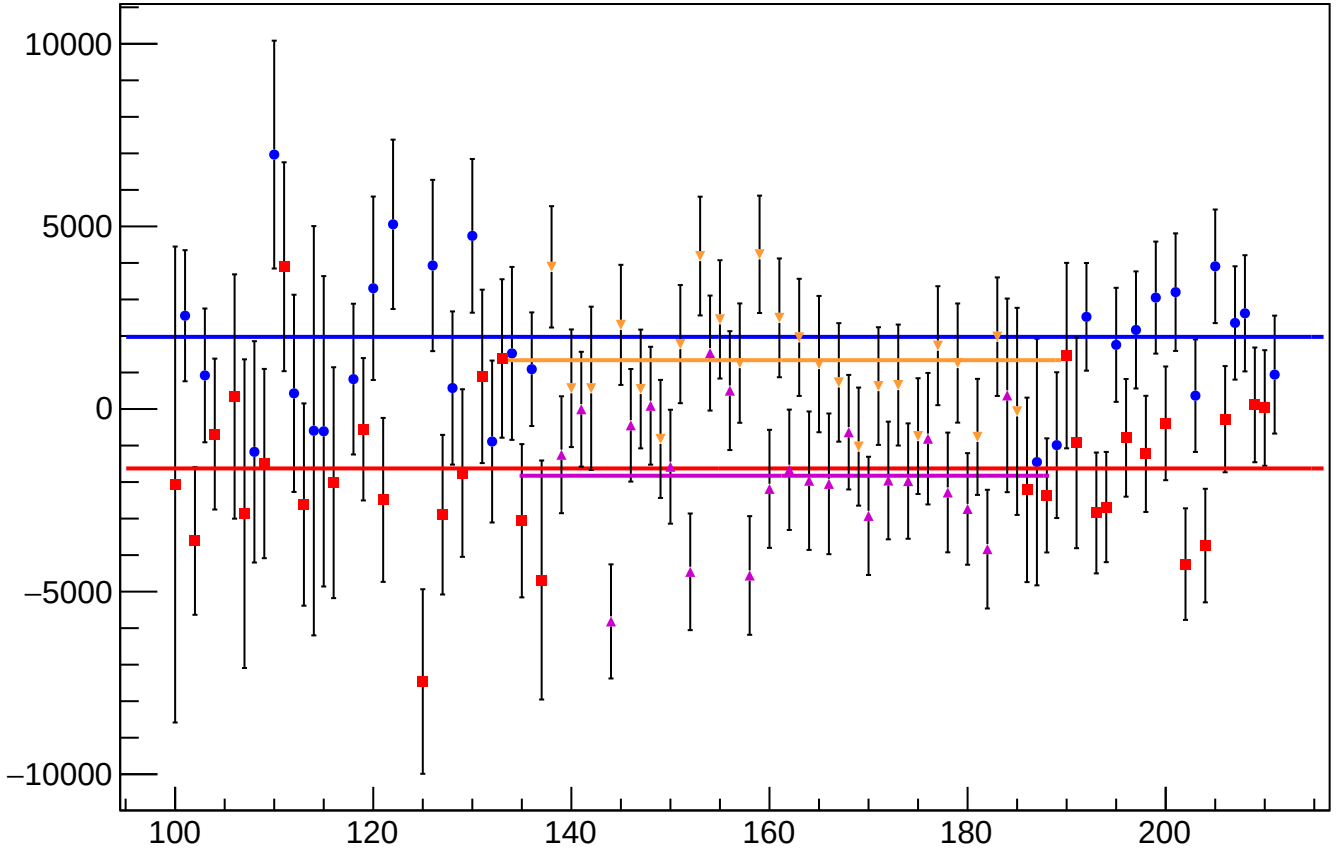
Left In: 0.000+/-0.000 χ^2/NDF:3998320.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 18251603.7/52

All: 0.000+/-0.000 χ^2/NDF: 38587830.3/108

- sign 0.000+/-0.000 χ^2/NDF: 20310834.9/55

reg_asym_usl_atl1_avg_mean vs Slug



Right In: 1975.933+/-365.345 χ^2/NDF: 20.0/27

Left Out: 1337.008+/-341.012 χ^2/NDF:19.2/23

Right Out: -1626.653+/-357.224 χ^2/NDF: 27.8/31

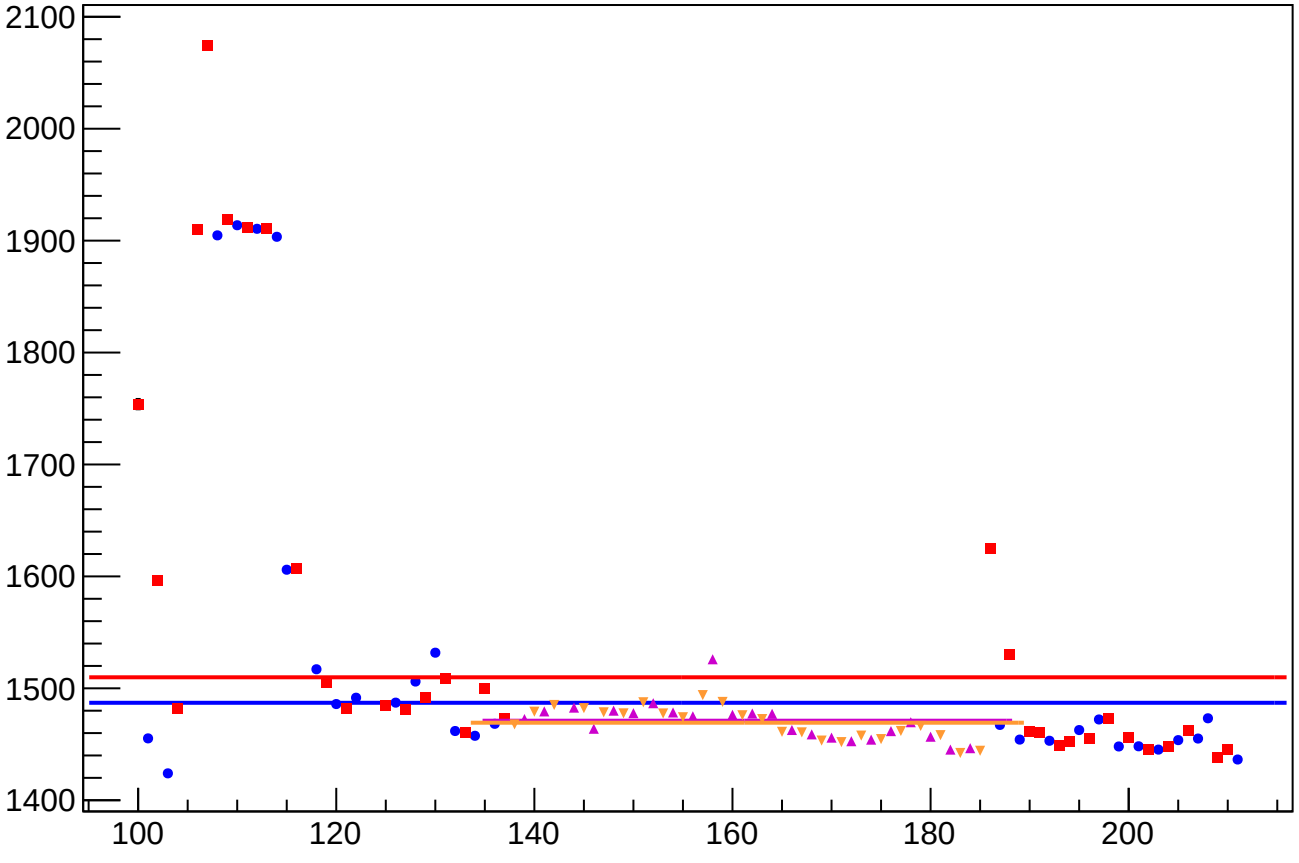
Left In: -1826.599+/-343.483 χ^2/NDF:26.5/22

+ sign 1634.487+/-249.291 χ^2/NDF: 40.8/51

All: -59.517+/-175.672 χ^2/NDF: 187.0/106

- sign -1730.545+/-247.594 χ^2/NDF: 54.4/54

reg_asym_usl_atl1_avg_rms vs Slug



Right In: 1487.074+/-0.258 χ^2/NDF: 152748.1/27

Left Out: 1469.267+/-0.241 χ^2/NDF:3155.3/23

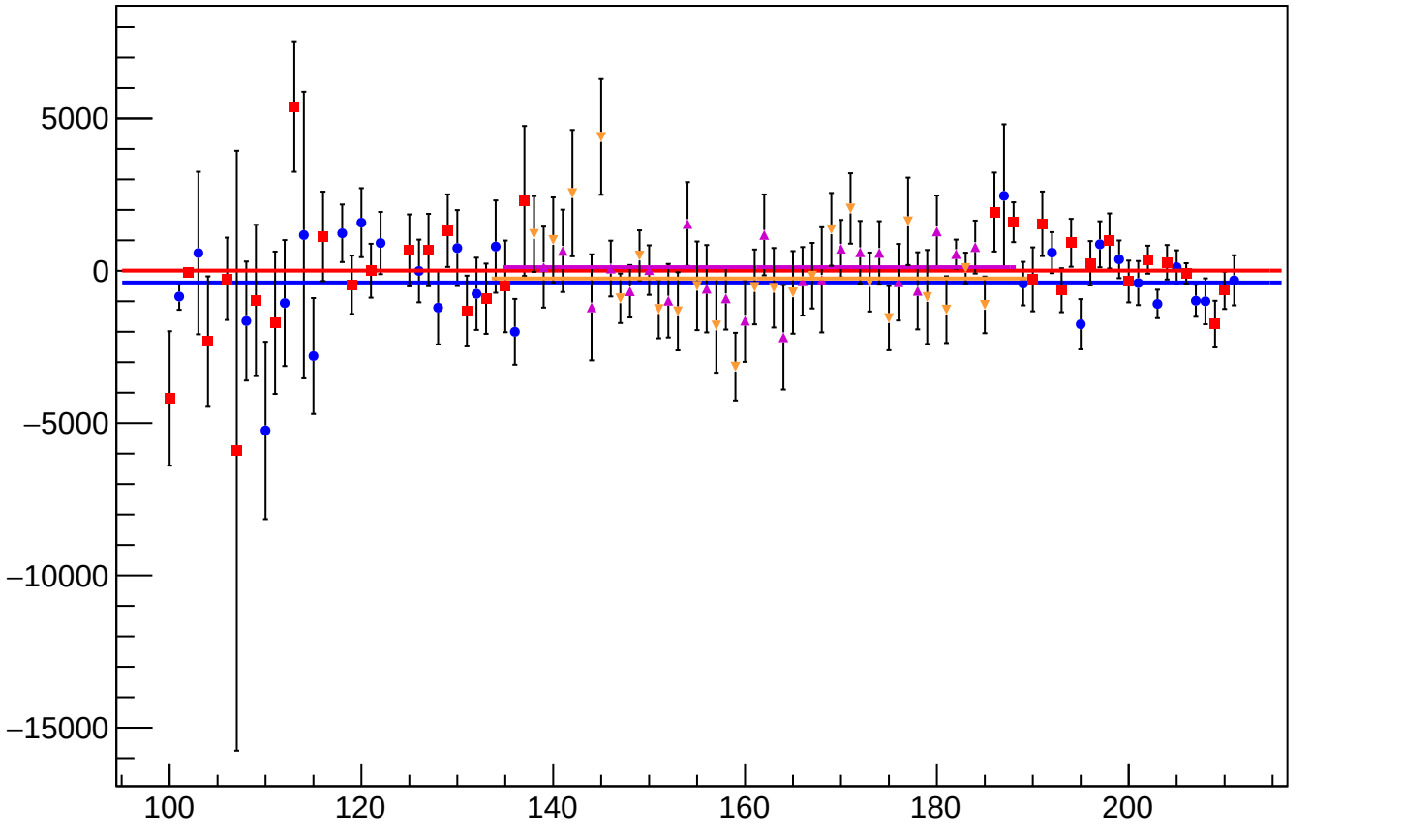
Right Out: 1509.851+/-0.253 χ^2/NDF: 240281.6/31

Left In: 1471.054+/-0.243 χ^2/NDF:4642.4/22

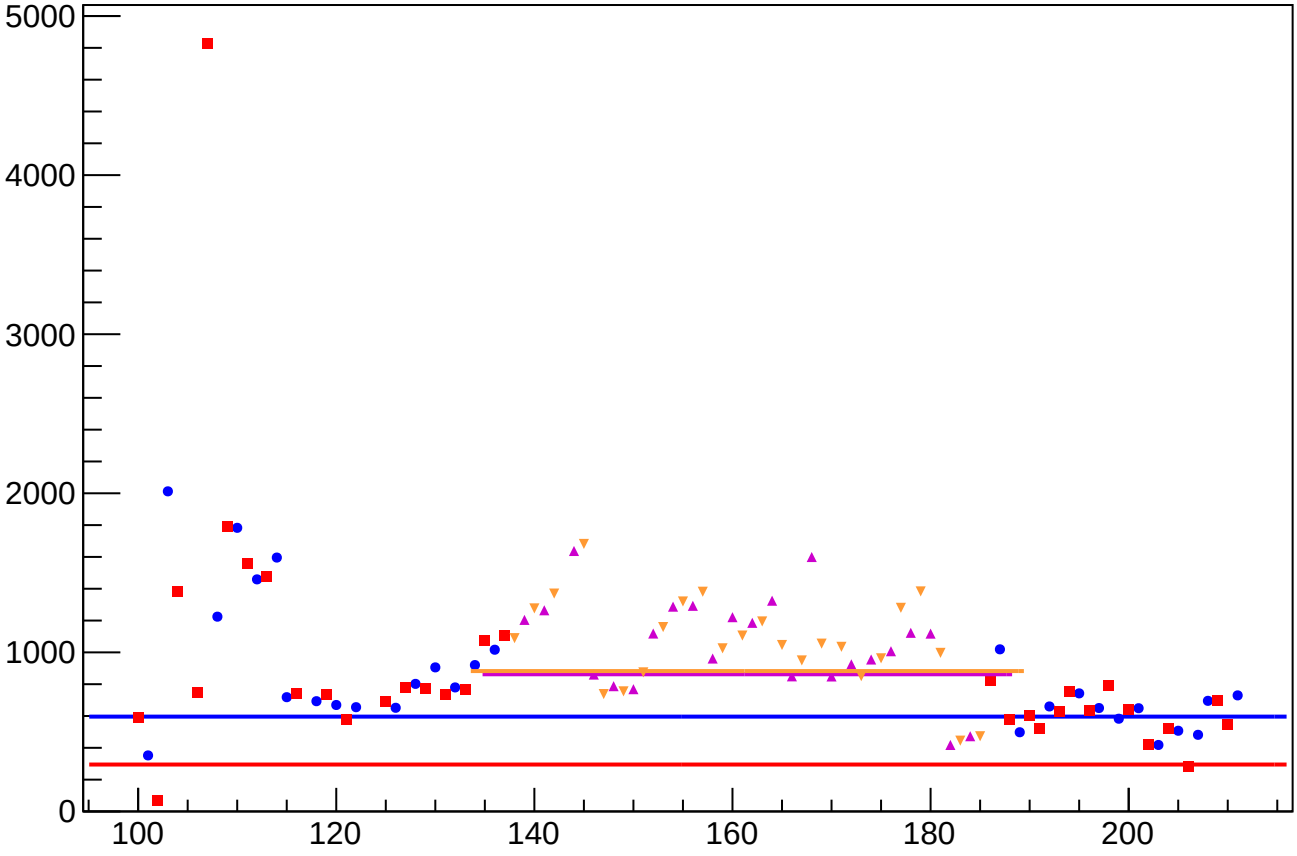
+ sign 1477.558+/-0.176 χ^2/NDF: 158442.6/51

All: 1483.666+/-0.124 χ^2/NDF: 418010.3/106

- sign 1489.692+/-0.175 χ^2/NDF: 257182.2/54


asym_usl_atl1_avg_reg_correction_mean vs Slug
5000
0
−5000
−10000
−15000
100
120
140
160
180
200
Right In: -382.563+/-157.488 χ²/NDF: 33.9/27
Left Out: -251.610+/-218.369 χ²/NDF:32.7/23
Right Out: 7.142+/-102.052 χ²/NDF: 39.3/31
Left In: 119.802+/-215.975 χ²/NDF:12.8/22
+ sign -337.756+/-127.734 χ²/NDF: 66.8/51
All: -97.606+/-74.797 χ²/NDF: 124.6/106
- sign 27.705+/-92.270 χ²/NDF: 52.4/54

asym_usl_atl1_avg_reg_correction_rms vs Slug



Right In: 596.167+/-0.111 χ^2/NDF: 3575496.1/27

Left Out: 882.430+/-0.154 χ^2/NDF:3901279.8/23

Right Out: 294.951+/-0.072 χ^2/NDF: 16530126.5/31

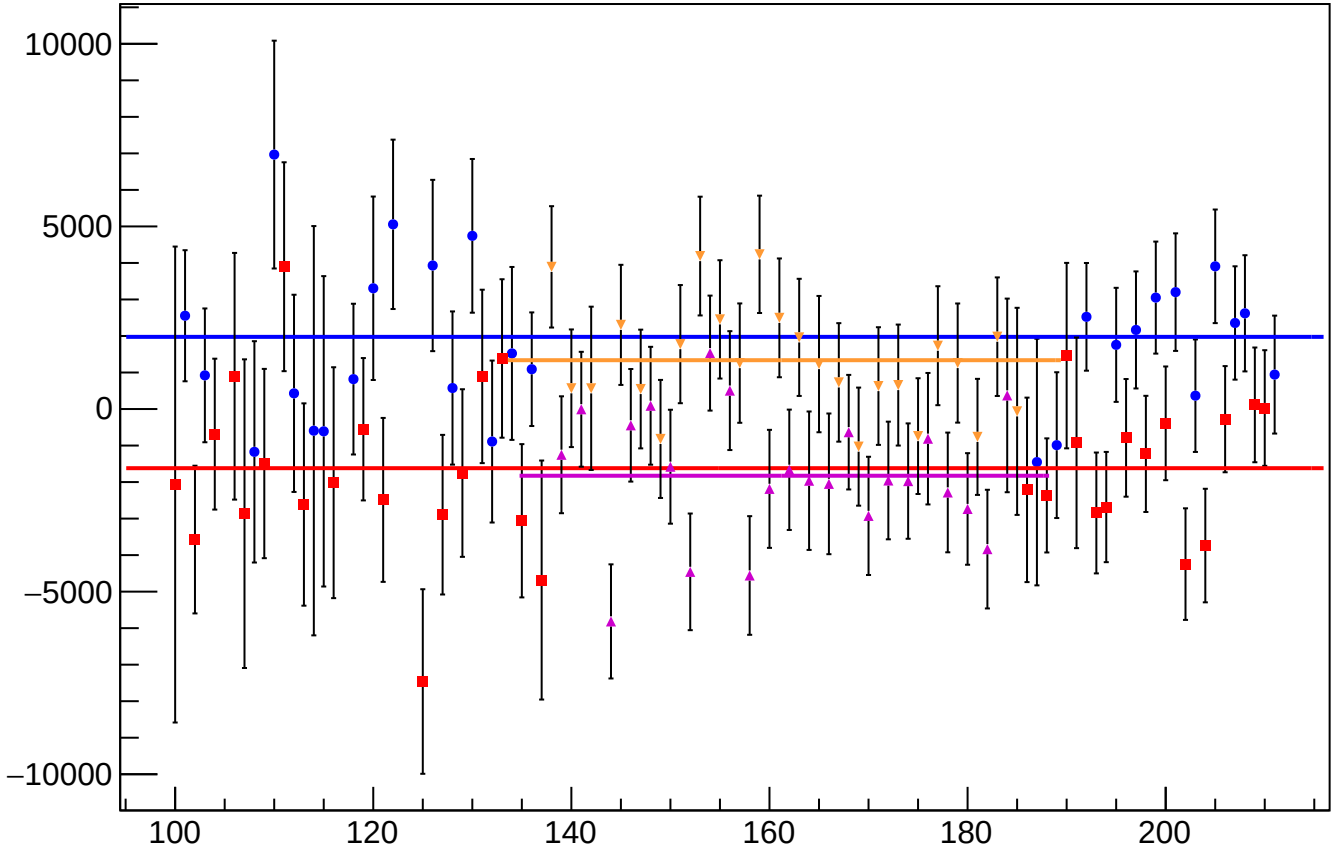
Left In: 862.298+/-0.153 χ^2/NDF:4369416.2/22

+ sign 694.115+/-0.090 χ^2/NDF: 9737752.4/51

All: 499.865+/-0.053 χ^2/NDF: 48958386.1/10

- sign 398.504+/-0.065 χ^2/NDF: 32181818.6/54

cor_asym_usl_atl1_avg_mean vs Slug



Right In: 1976.041+/-365.345 χ^2/NDF: 20.0/27

Left Out: 1337.018+/-341.012 χ^2/NDF:19.2/23

Right Out: -1619.677+/-357.264 χ^2/NDF: 27.9/31

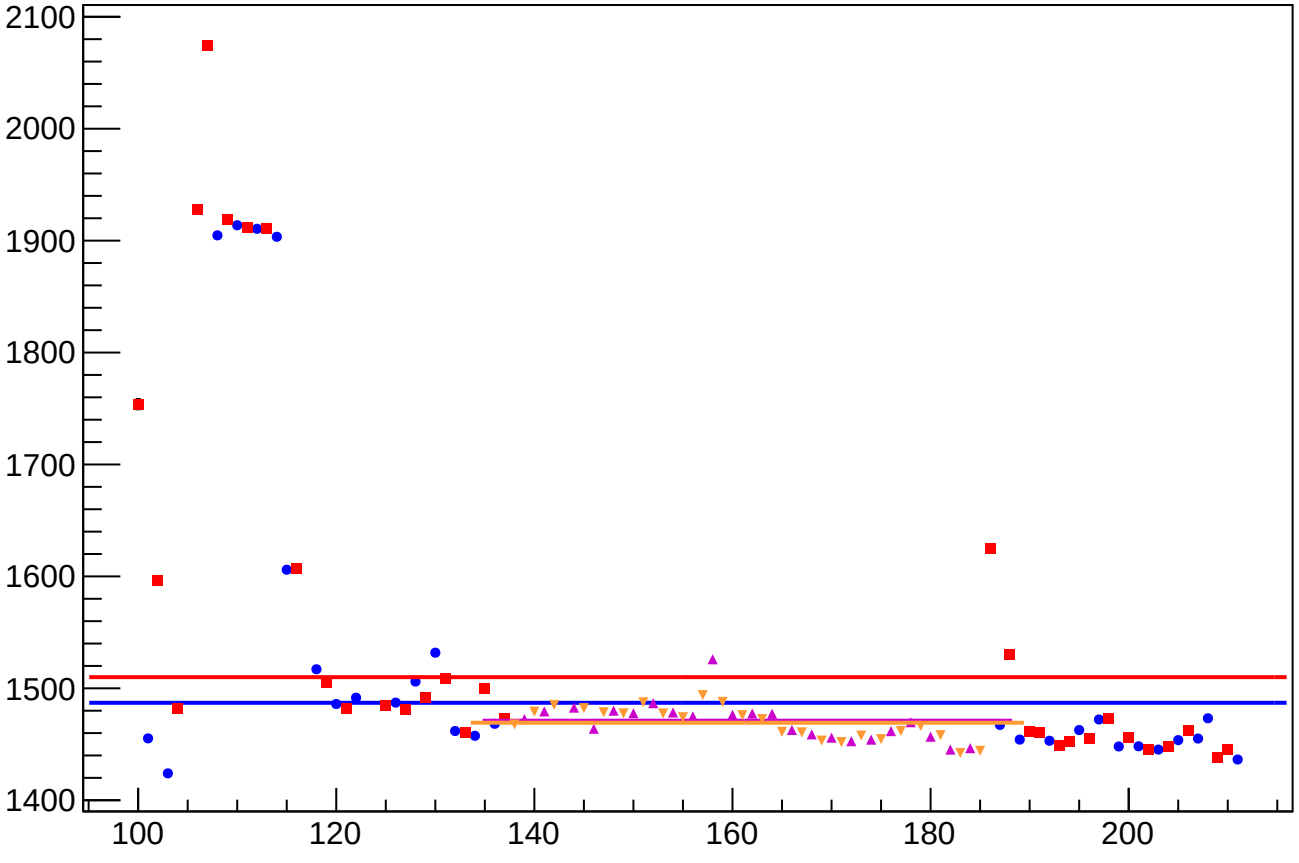
Left In: -1826.644+/-343.483 χ^2/NDF:26.5/22

+ sign 1634.543+/-249.291 χ^2/NDF: 40.8/51

All: -57.729+/-175.677 χ^2/NDF: 187.0/106

- sign -1727.229+/-247.608 χ^2/NDF: 54.6/54

cor_asym_usl_atl1_avg_rms vs Slug



Right In: 1487.074+/-0.258 χ^2/NDF: 152748.0/27

Left Out: 1469.267+/-0.241 χ^2/NDF:3155.3/23

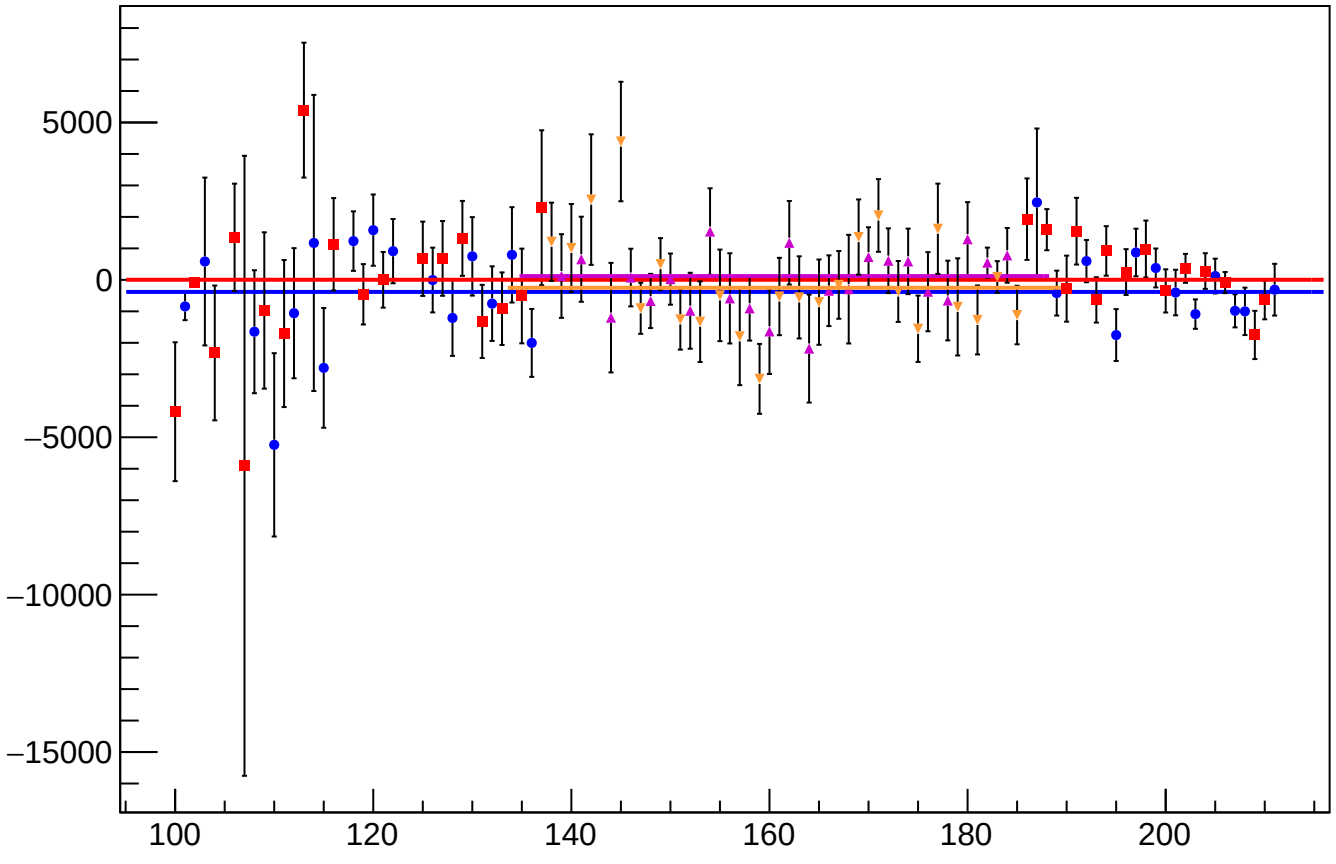
Right Out: 1509.975+/-0.253 χ^2/NDF: 242383.2/31

Left In: 1471.054+/-0.243 χ^2/NDF:4642.4/22

+ sign 1477.558+/-0.176 χ^2/NDF: 158442.6/51

All: 1483.695+/-0.124 χ^2/NDF: 420211.1/106

- sign 1489.749+/-0.175 χ^2/NDF: 259360.6/54



Right In: -382.501+/-157.486 χ^2/NDF: 33.9/27

Left Out: -251.589+/-218.368 χ^2/NDF:32.7/23

Right Out: 3.925+/-107.150 χ^2/NDF: 40.1/31

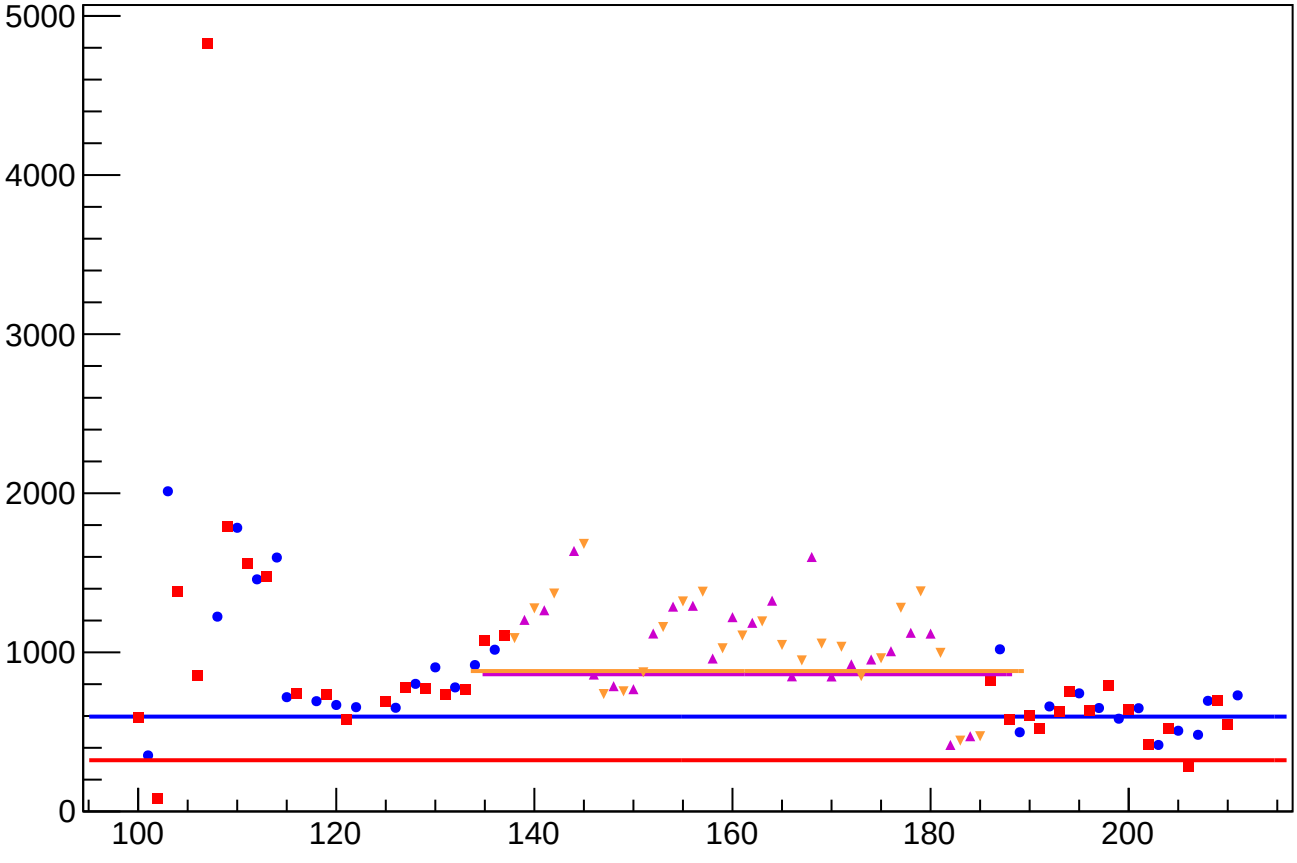
Left In: 119.845+/-215.975 χ^2/NDF:12.8/22

+ sign -337.708+/-127.733 χ^2/NDF: 66.8/51

All: -104.736+/-76.735 χ^2/NDF: 125.2/106

- sign 26.822+/-95.986 χ^2/NDF: 53.2/54

asym_usl_atl1_avg_cor_correction_rms vs Slug



Right In: 596.157+/-0.111 χ^2/NDF: 3575769.2/27

Left Out: 882.419+/-0.154 χ^2/NDF:3901620.8/23

Right Out: 321.953+/-0.076 χ^2/NDF: 15117222.3/31

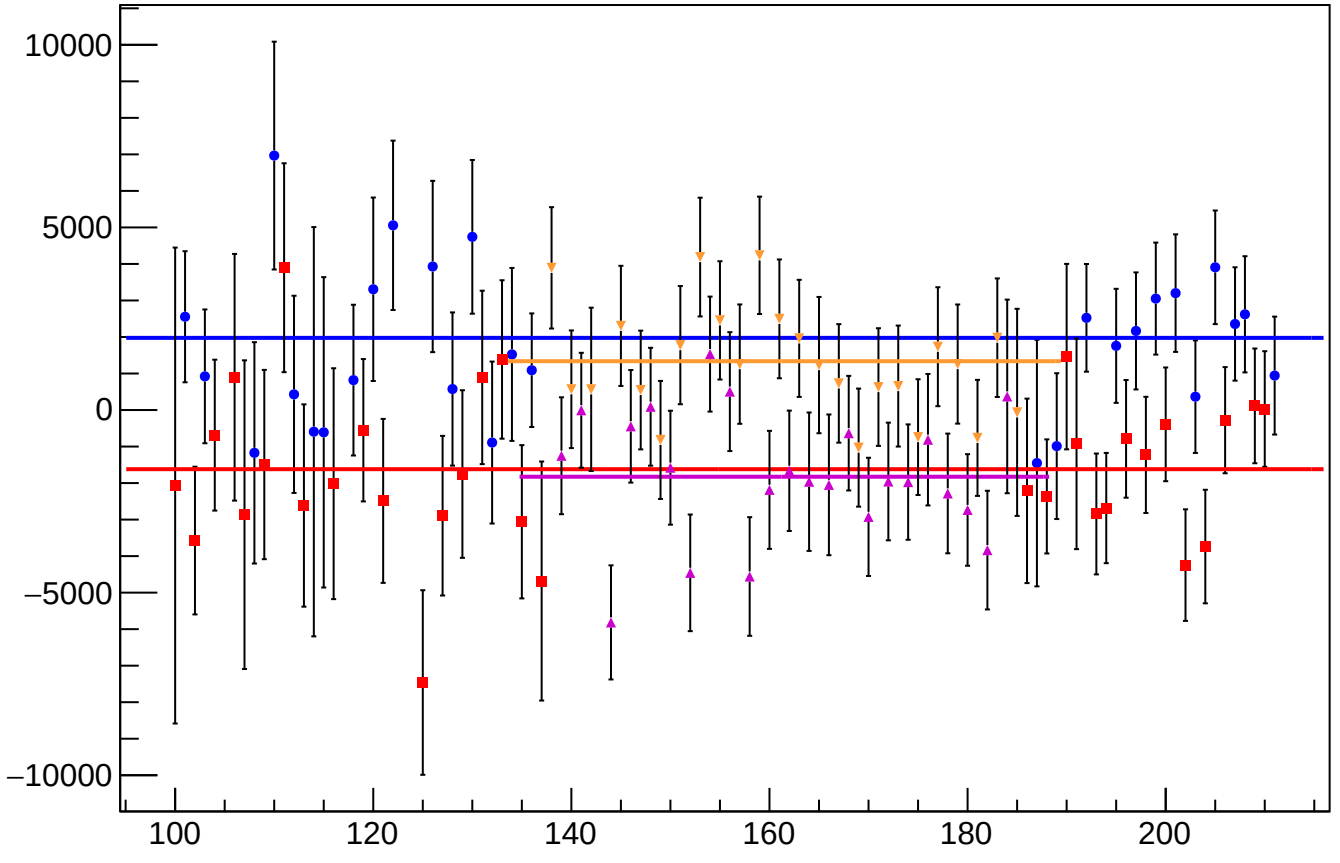
Left In: 862.300+/-0.153 χ^2/NDF:4369426.7/22

+ sign 694.105+/-0.090 χ^2/NDF: 9738389.6/51

All: 524.472+/-0.054 χ^2/NDF: 44790365.4/10

- sign 428.682+/-0.068 χ^2/NDF: 29532829.0/54

eigen_cor_asym_usl_atl1_avg_mean vs Slug



Right In: 1976.041+/-365.345 χ^2/NDF: 20.0/27

Left Out: 1337.018+/-341.012 χ^2/NDF:19.2/23

Right Out: -1619.677+/-357.264 χ^2/NDF: 27.9/31

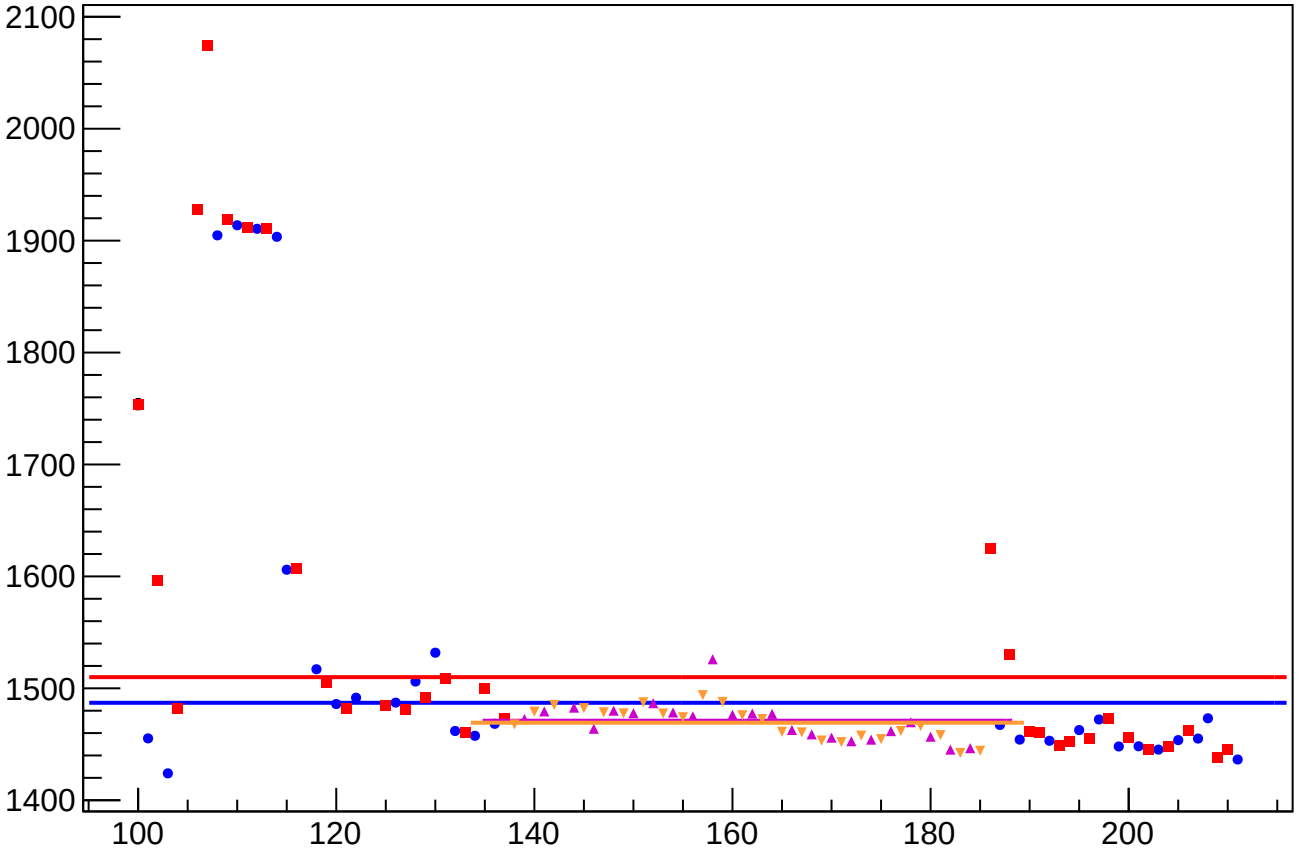
Left In: -1826.644+/-343.483 χ^2/NDF:26.5/22

+ sign 1634.543+/-249.291 χ^2/NDF: 40.8/51

All: -57.729+/-175.677 χ^2/NDF: 187.0/106

- sign -1727.229+/-247.608 χ^2/NDF: 54.6/54

eigen_cor_asym_usl_atl1_avg_rms vs Slug



Right In: 1487.074+/-0.258 χ^2/NDF: 152748.0/27

Left Out: 1469.267+/-0.241 χ^2/NDF:3155.3/23

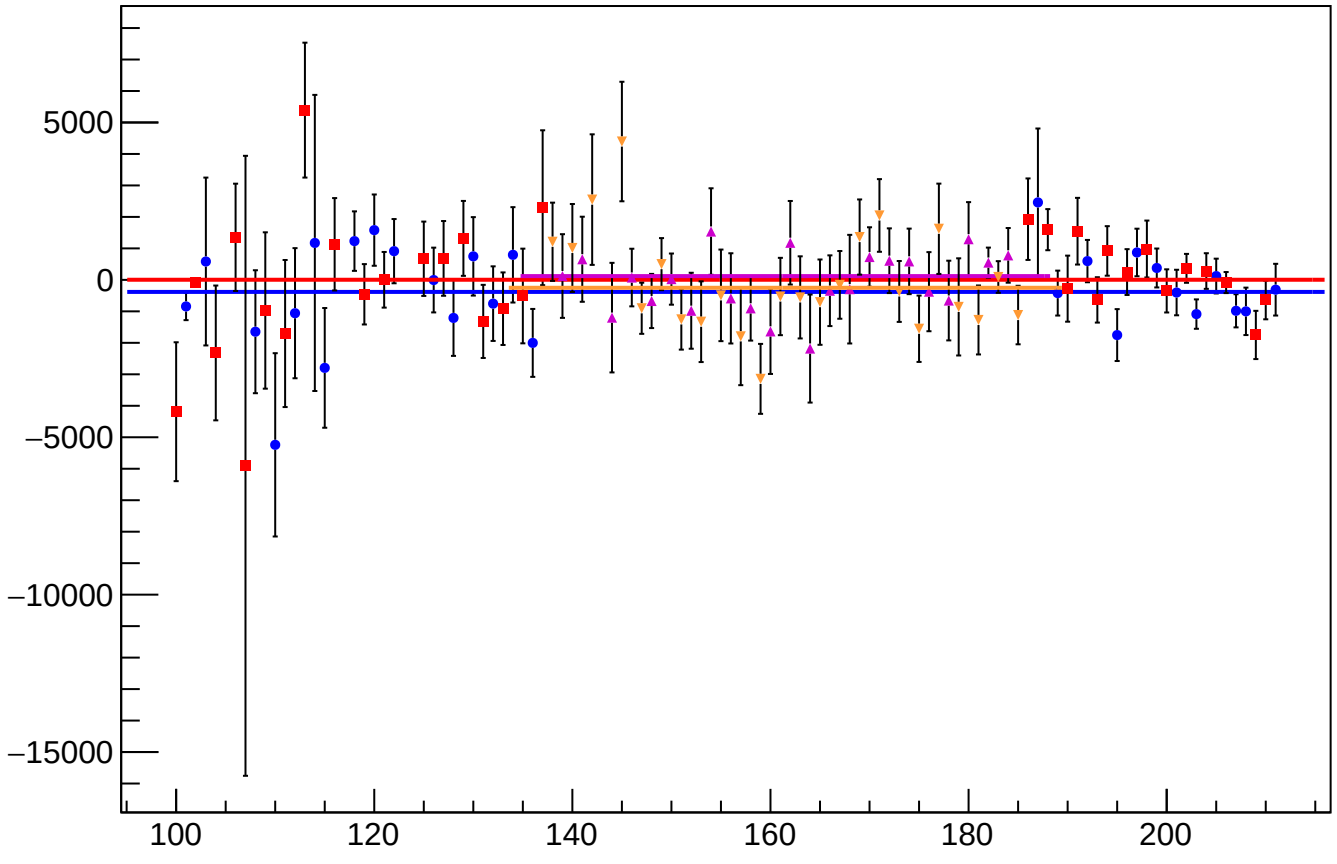
Right Out: 1509.975+/-0.253 χ^2/NDF: 242383.2/31

Left In: 1471.054+/-0.243 χ^2/NDF:4642.4/22

+ sign 1477.558+/-0.176 χ^2/NDF: 158442.6/51

All: 1483.695+/-0.124 χ^2/NDF: 420211.1/106

- sign 1489.749+/-0.175 χ^2/NDF: 259360.6/54



Right In: -382.501+/-157.486 χ^2/NDF: 33.9/27

Left Out: -251.589+/-218.368 χ^2/NDF:32.7/23

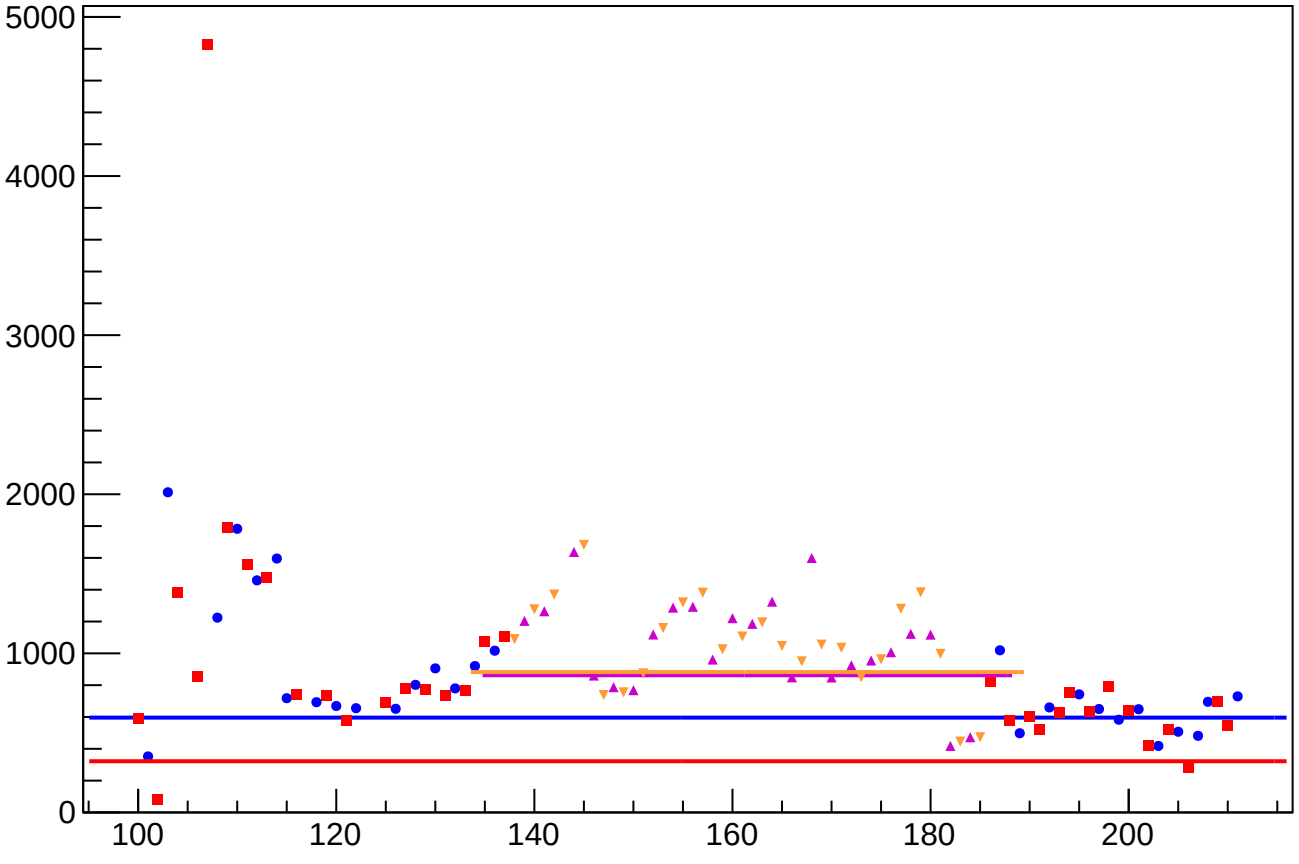
Right Out: 3.925+/-107.150 χ^2/NDF: 40.1/31

Left In: 119.845+/-215.975 χ^2/NDF:12.8/22

+ sign -337.708+/-127.733 χ^2/NDF: 66.8/51

All: -104.736+/-76.735 χ^2/NDF: 125.2/106

- sign 26.822+/-95.986 χ^2/NDF: 53.2/54



Right In: 596.157+/-0.111 χ^2/NDF: 3575769.2/27

Left Out: 882.419+/-0.154 χ^2/NDF:3901620.8/23

Right Out: 321.953+/-0.076 χ^2/NDF: 15117222.3/31

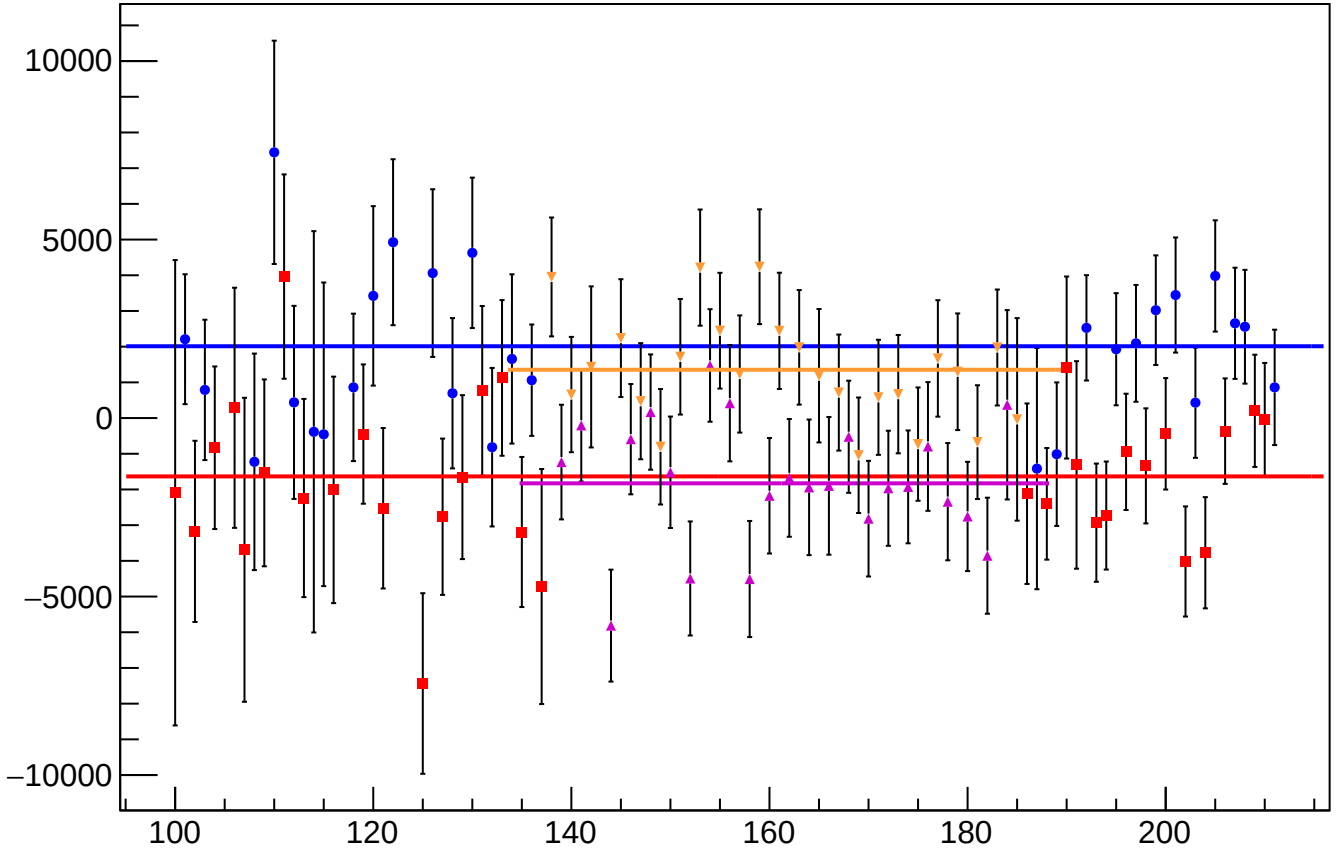
Left In: 862.300+/-0.153 χ^2/NDF:4369426.7/22

+ sign 694.105+/-0.090 χ^2/NDF: 9738389.6/51

All: 524.472+/-0.054 χ^2/NDF: 44790365.4/10

- sign 428.682+/-0.068 χ^2/NDF: 29532829.0/54

dit_asym_usl_atl1_avg_mean vs Slug



Right In: 2011.747+/-367.653 χ^2/NDF: 20.4/27

Left Out: 1353.686+/-341.570 χ^2/NDF:18.9/23

Right Out: -1634.517+/-361.869 χ^2/NDF: 26.1/31

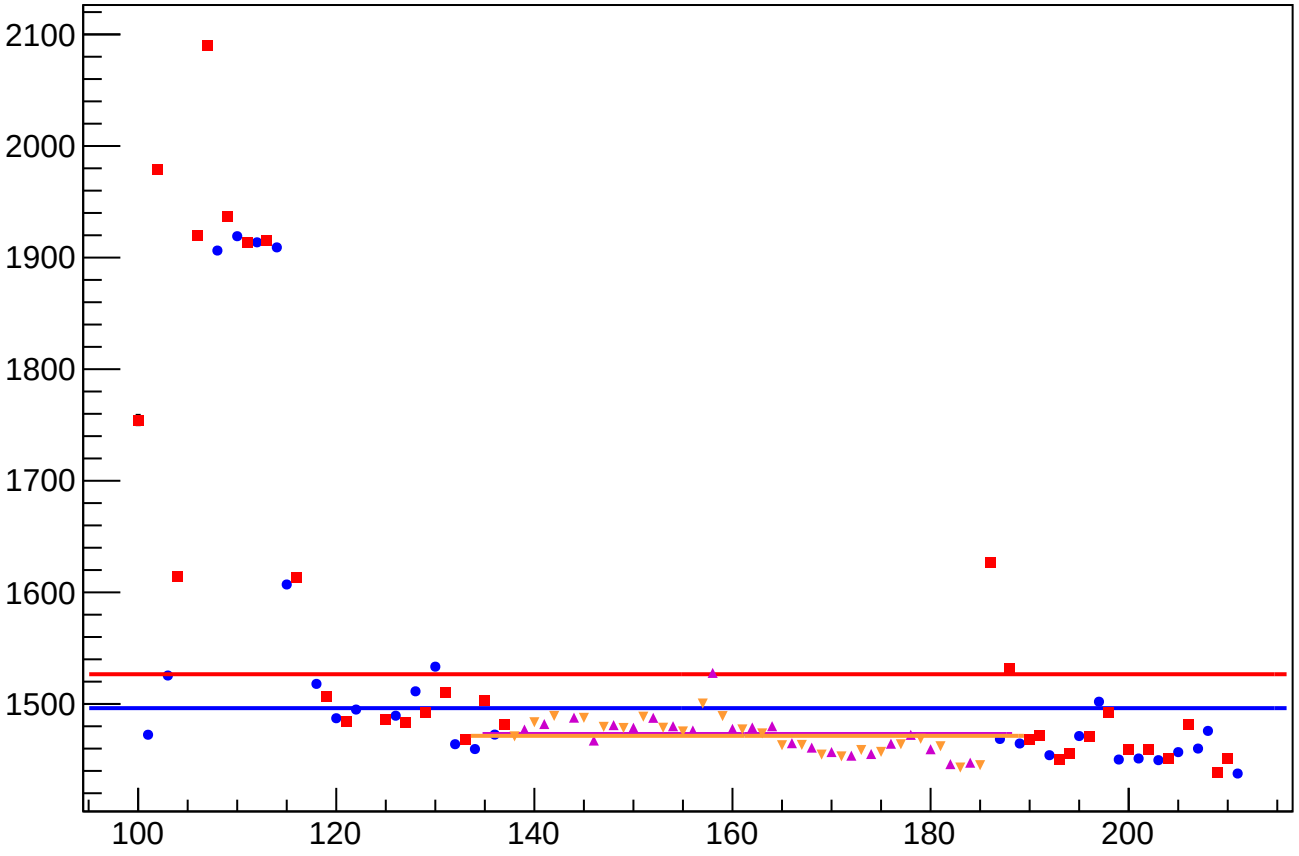
Left In: -1828.250+/-343.952 χ^2/NDF:25.8/22

+ sign 1658.547+/-250.240 χ^2/NDF: 41.1/51

All: -45.233+/-176.615 χ^2/NDF: 185.5/106

- sign -1736.298+/-249.304 χ^2/NDF: 52.1/54

dit_asym_usl_atl1_avg_rms vs Slug



Right In: 1496.251+/-0.260 χ^2/NDF: 149361.5/27

Left Out: 1471.437+/-0.242 χ^2/NDF:3436.8/23

Right Out: 1526.643+/-0.256 χ^2/NDF: 304380.0/31

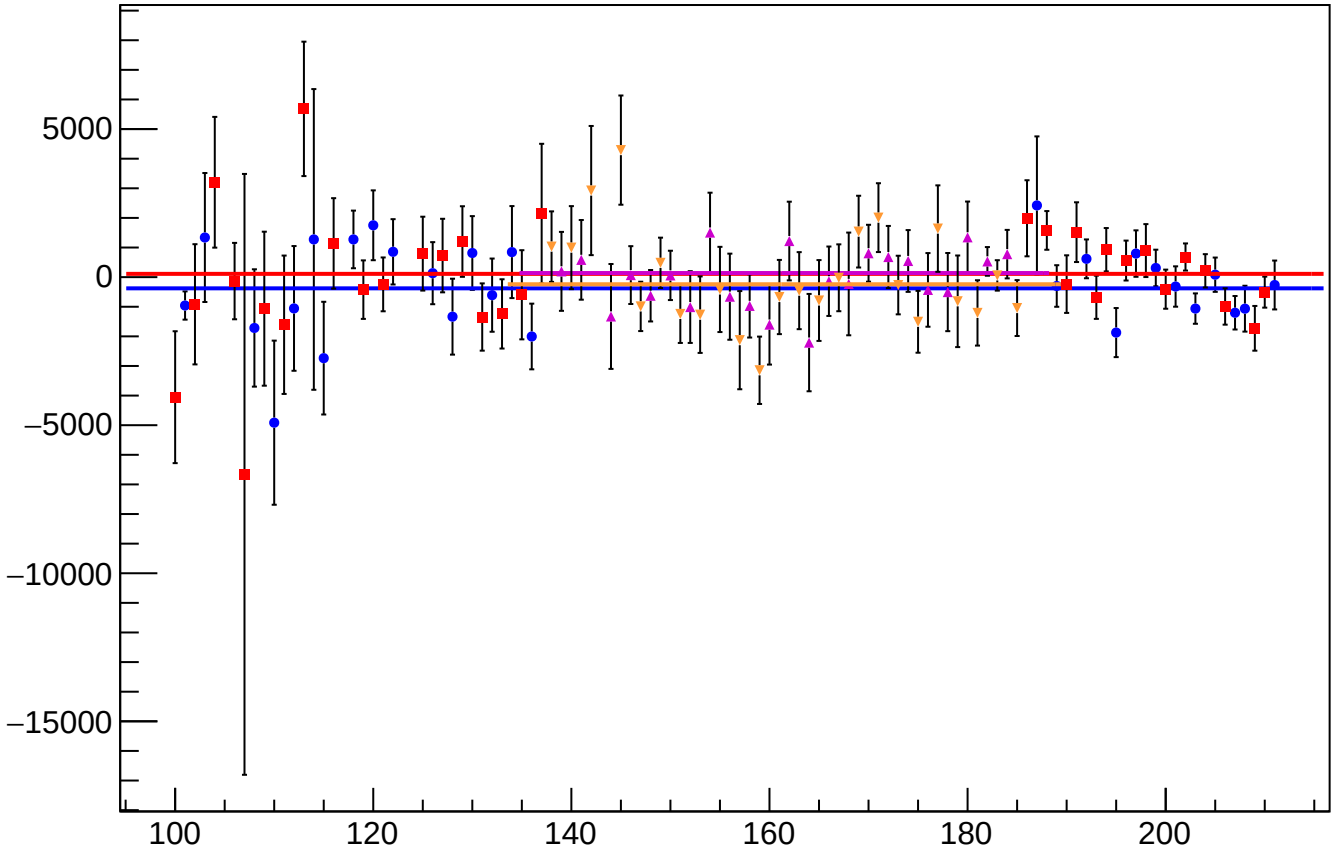
Left In: 1473.049+/-0.243 χ^2/NDF:4751.3/22

+ sign 1482.932+/-0.177 χ^2/NDF: 157688.1/51

All: 1490.738+/-0.125 χ^2/NDF: 493745.0/106

- sign 1498.486+/-0.176 χ^2/NDF: 332179.0/54

asym_usl_atl1_avg_dit_correction_mean vs Slug



Right In: -378.430+/-163.048 χ^2/NDF: 34.7/27

Left Out: -240.267+/-221.787 χ^2/NDF:32.4/23

Right Out: 110.682+/-160.097 χ^2/NDF: 44.8/31

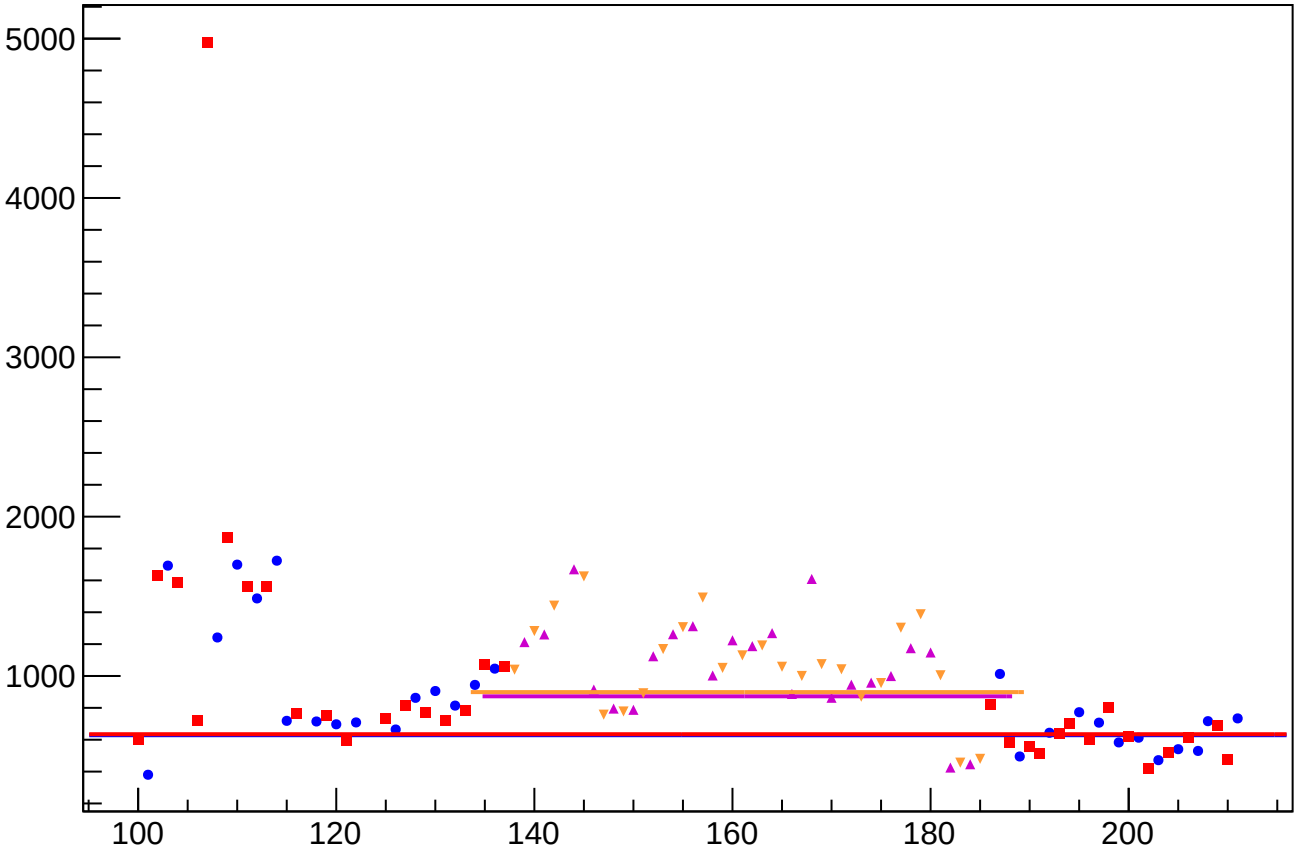
Left In: 138.421+/-218.478 χ^2/NDF:13.0/22

\+ sign -329.957+/-131.368 χ^2/NDF: 67.4/51

All: -100.934+/-92.092 χ^2/NDF: 131.2/106

\- sign 120.373+/-129.137 χ^2/NDF: 57.8/54

asym_usl_atl1_avg_dit_correction_rms vs Slug



Right In: 628.360+/-0.115 χ^2/NDF: 3124438.3/27

Left Out: 898.849+/-0.157 χ^2/NDF:3791528.8/23

Right Out: 634.590+/-0.113 χ^2/NDF: 3665311.2/31

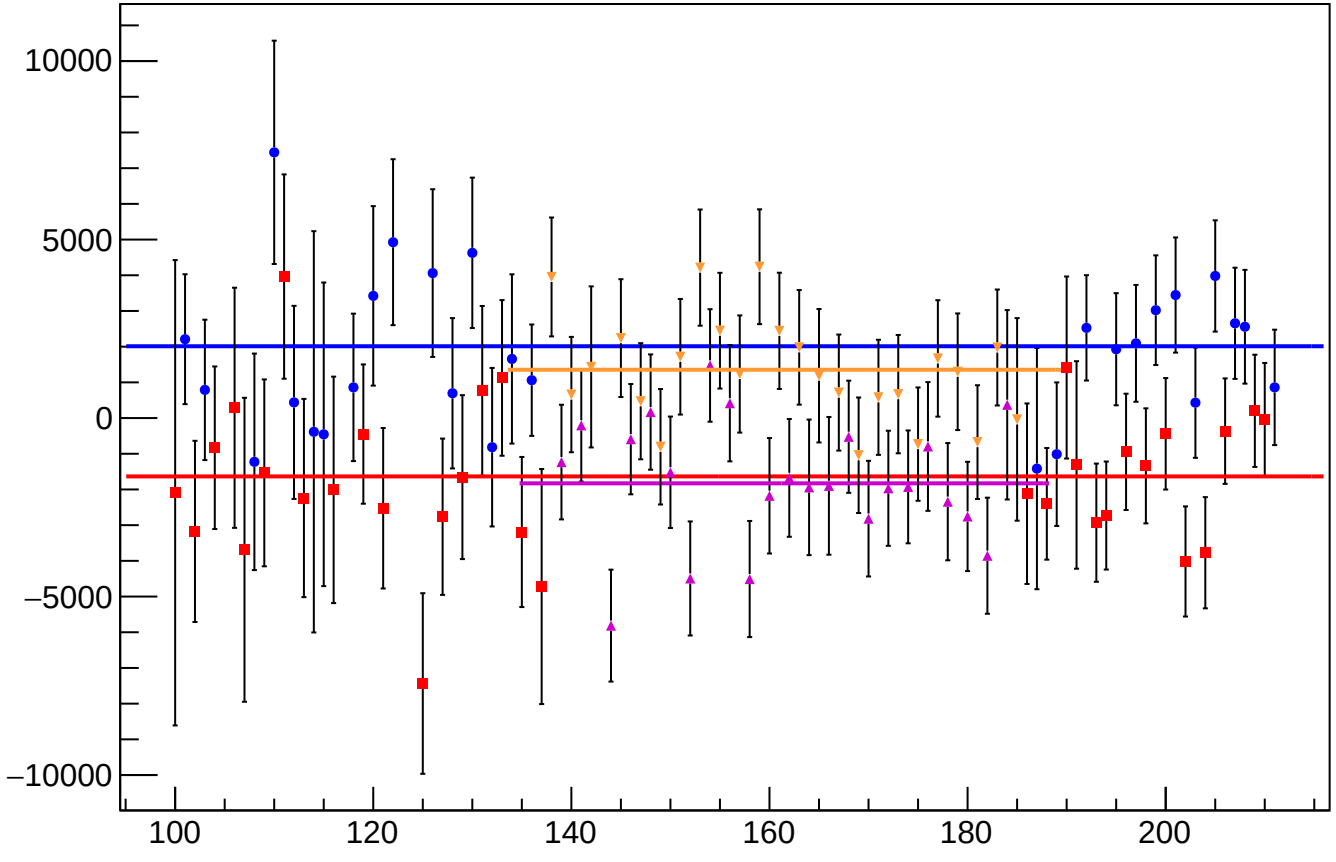
Left In: 872.472+/-0.154 χ^2/NDF:4435516.3/22

+ sign 723.258+/-0.093 χ^2/NDF: 8847078.8/51

All: 720.431+/-0.065 χ^2/NDF: 18492403.3/10

- sign 717.698+/-0.091 χ^2/NDF: 9643502.7/54

eigen_dit_asym_usl_atl1_avg_mean vs Slug



Right In: 2011.745+/-367.653 χ^2/NDF: 20.4/27

Left Out: 1353.684+/-341.570 χ^2/NDF:18.9/23

Right Out: -1634.516+/-361.869 χ^2/NDF: 26.1/31

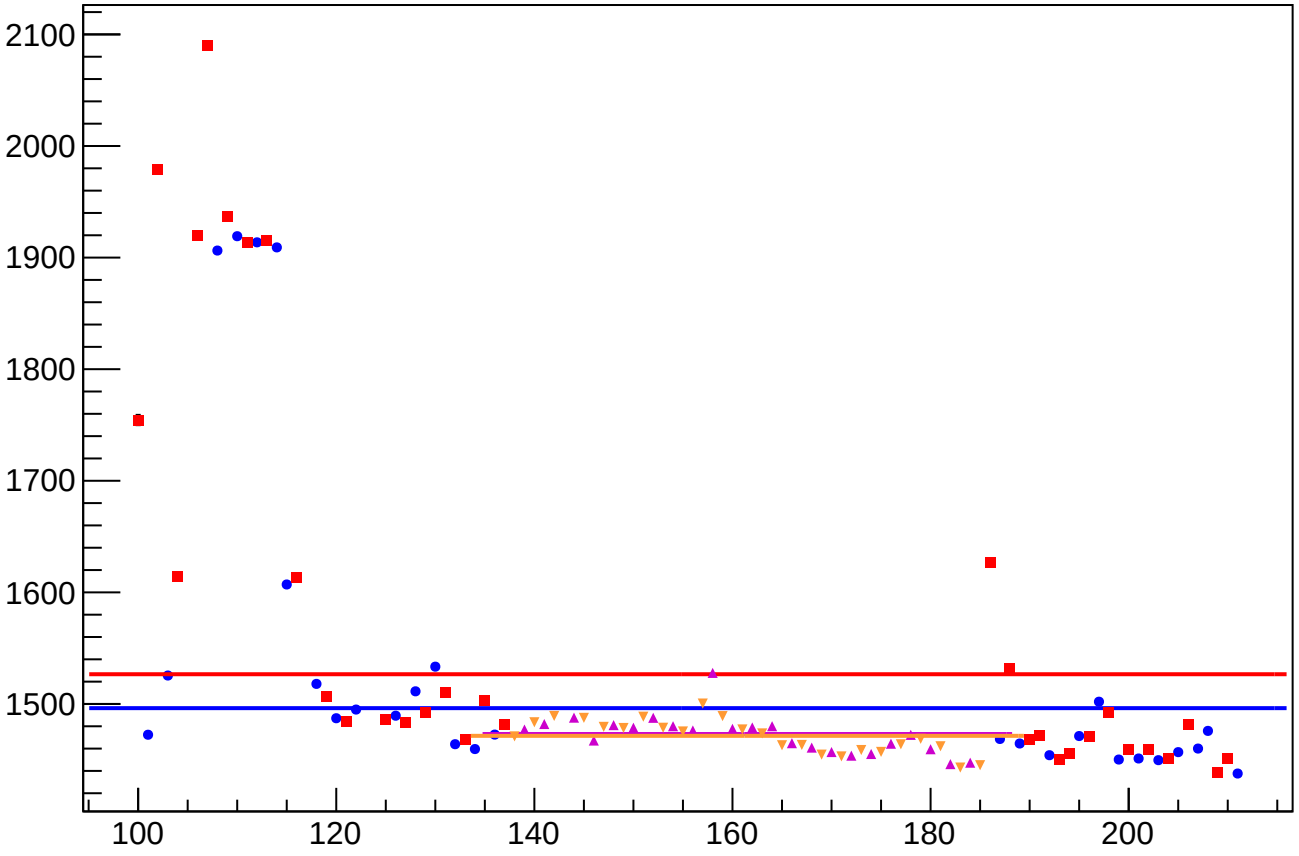
Left In: -1828.250+/-343.952 χ^2/NDF:25.8/22

+ sign 1658.545+/-250.240 χ^2/NDF: 41.1/51

All: -45.234+/-176.615 χ^2/NDF: 185.5/106

- sign -1736.298+/-249.304 χ^2/NDF: 52.1/54

eigen_dit_asym_usl_atl1_avg_rms vs Slug



Right In: 1496.251+/-0.260 χ^2/NDF: 149361.4/27

Left Out: 1471.437+/-0.242 χ^2/NDF:3436.8/23

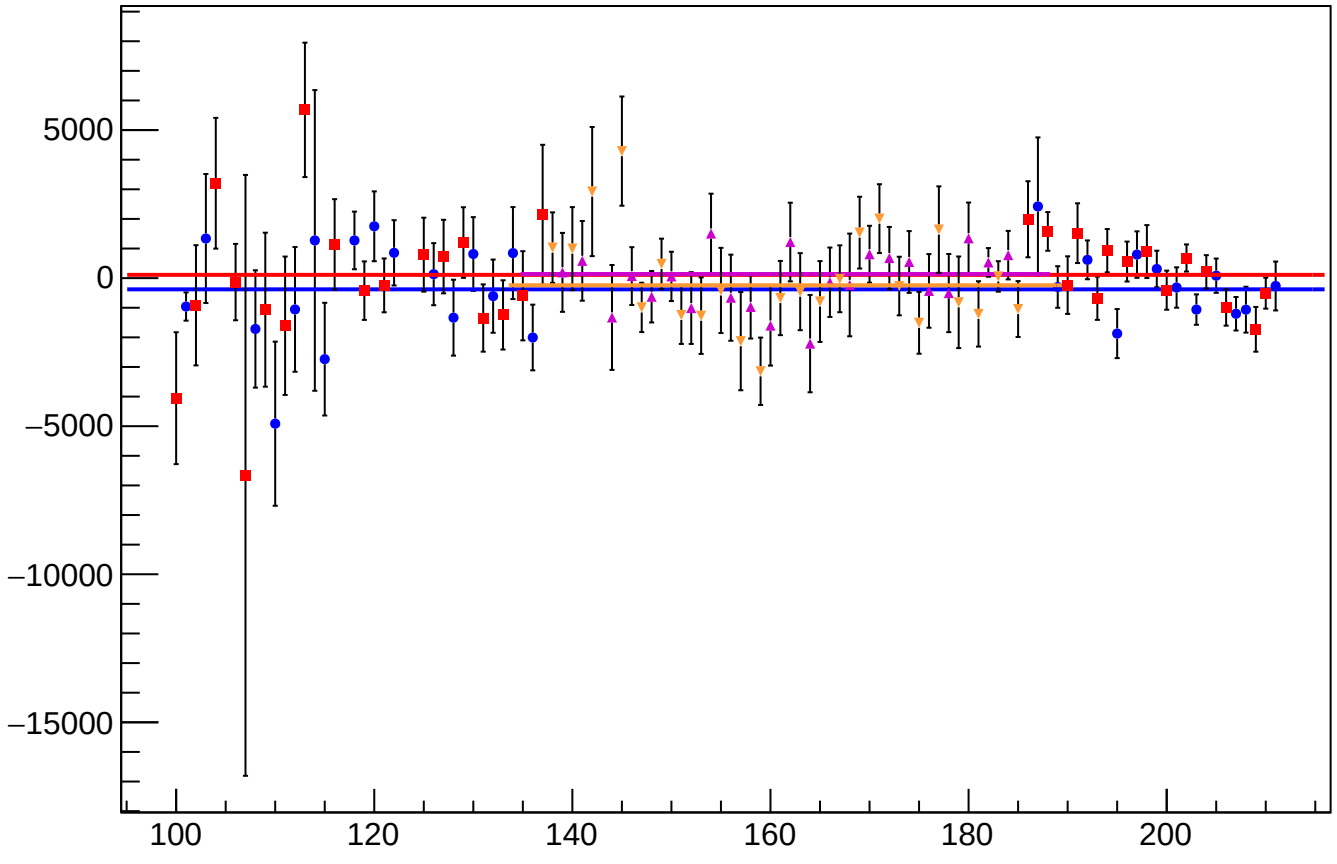
Right Out: 1526.643+/-0.256 χ^2/NDF: 304379.5/31

Left In: 1473.049+/-0.243 χ^2/NDF:4751.3/22

+ sign 1482.932+/-0.177 χ^2/NDF: 157688.0/51

All: 1490.738+/-0.125 χ^2/NDF: 493744.3/106

- sign 1498.486+/-0.176 χ^2/NDF: 332178.5/54



Right In: -378.430+/-163.048 χ^2/NDF: 34.7/27

Left Out: -240.269+/-221.788 χ^2/NDF:32.4/23

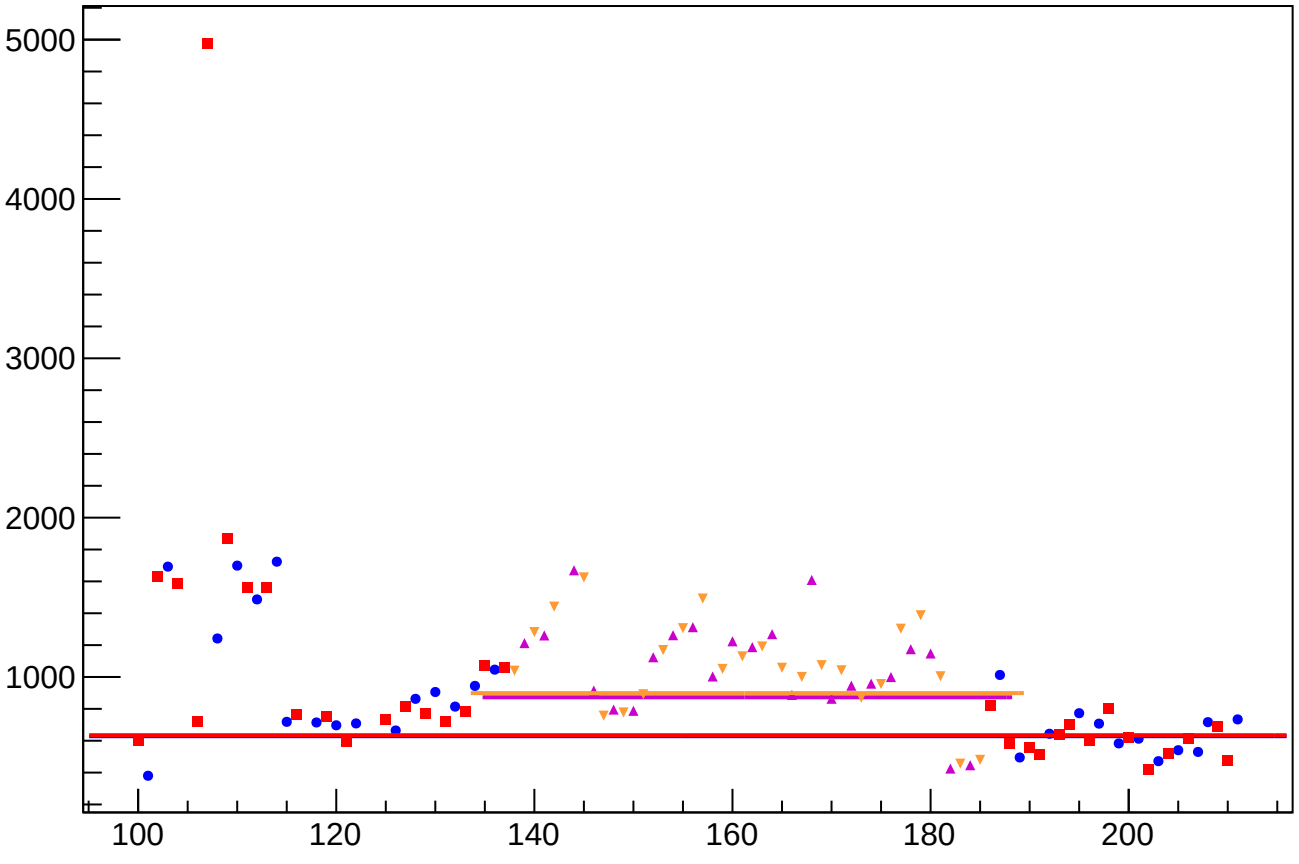
Right Out: 110.682+/-160.097 χ^2/NDF: 44.8/31

Left In: 138.421+/-218.478 χ^2/NDF:13.0/22

\+ sign -329.957+/-131.369 χ^2/NDF: 67.4/51

All: -100.934+/-92.092 χ^2/NDF: 131.2/106

\- sign 120.373+/-129.137 χ^2/NDF: 57.8/54



Right In: 628.360+/-0.115 χ^2/NDF: 3124432.0/27

Left Out: 898.850+/-0.157 χ^2/NDF:3791537.4/23

Right Out: 634.590+/-0.113 χ^2/NDF: 3665307.6/31

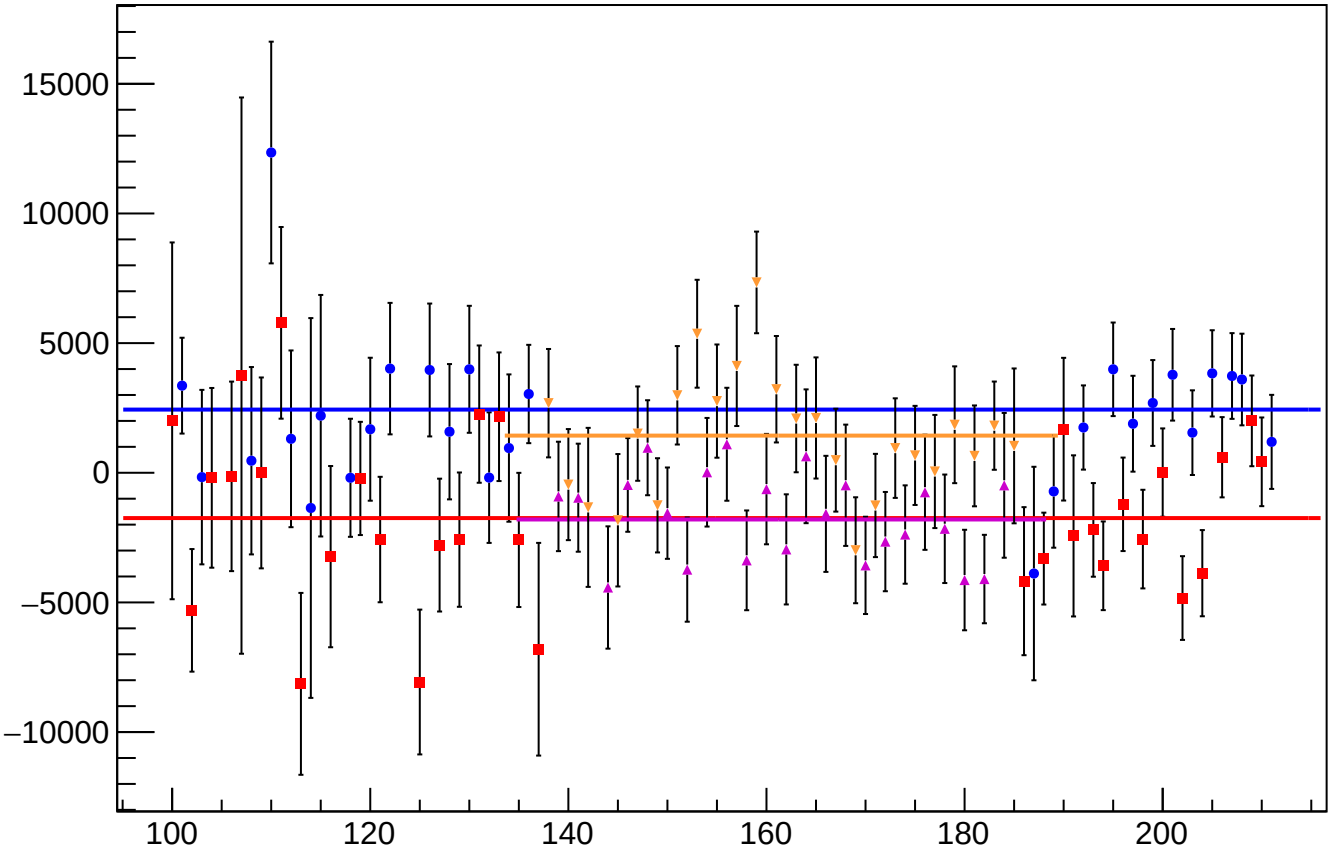
Left In: 872.473+/-0.154 χ^2/NDF:4435524.1/22

+ sign 723.259+/-0.093 χ^2/NDF: 8847085.0/51

All: 720.431+/-0.065 χ^2/NDF: 18492418.1/10

- sign 717.699+/-0.091 χ^2/NDF: 9643511.4/54

asym_usl_atl1_avg_mean vs Slug



Right In: 2436.752+/-414.091 χ^2/NDF: 19.6/27

Left Out: 1433.314+/-424.465 χ^2/NDF:29.4/23

Right Out: -1747.411+/-405.271 χ^2/NDF: 42.9/31

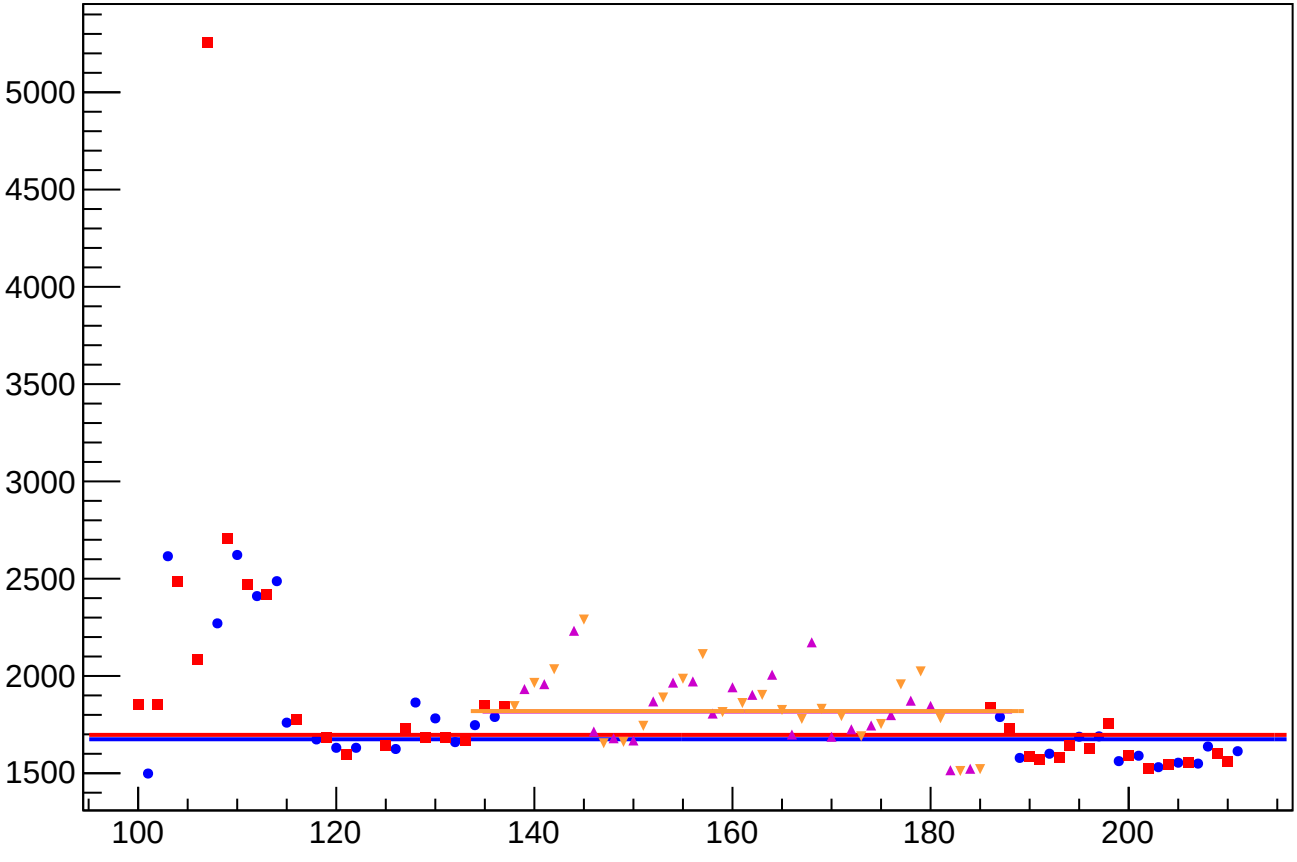
Left In: -1801.543+/-426.483 χ^2/NDF:15.3/22

+ sign 1947.444+/-296.406 χ^2/NDF: 51.9/51

All: 70.633+/-208.657 χ^2/NDF: 189.6/106

- sign -1773.097+/-293.783 χ^2/NDF: 58.2/54

asym_usl_atl1_avg_rms vs Slug



Right In: 1674.625+/-0.293 χ^2/NDF: 534822.4/27

Left Out: 1819.417+/-0.300 χ^2/NDF:295015.0/23

Right Out: 1697.183+/-0.287 χ^2/NDF: 803716.4/31

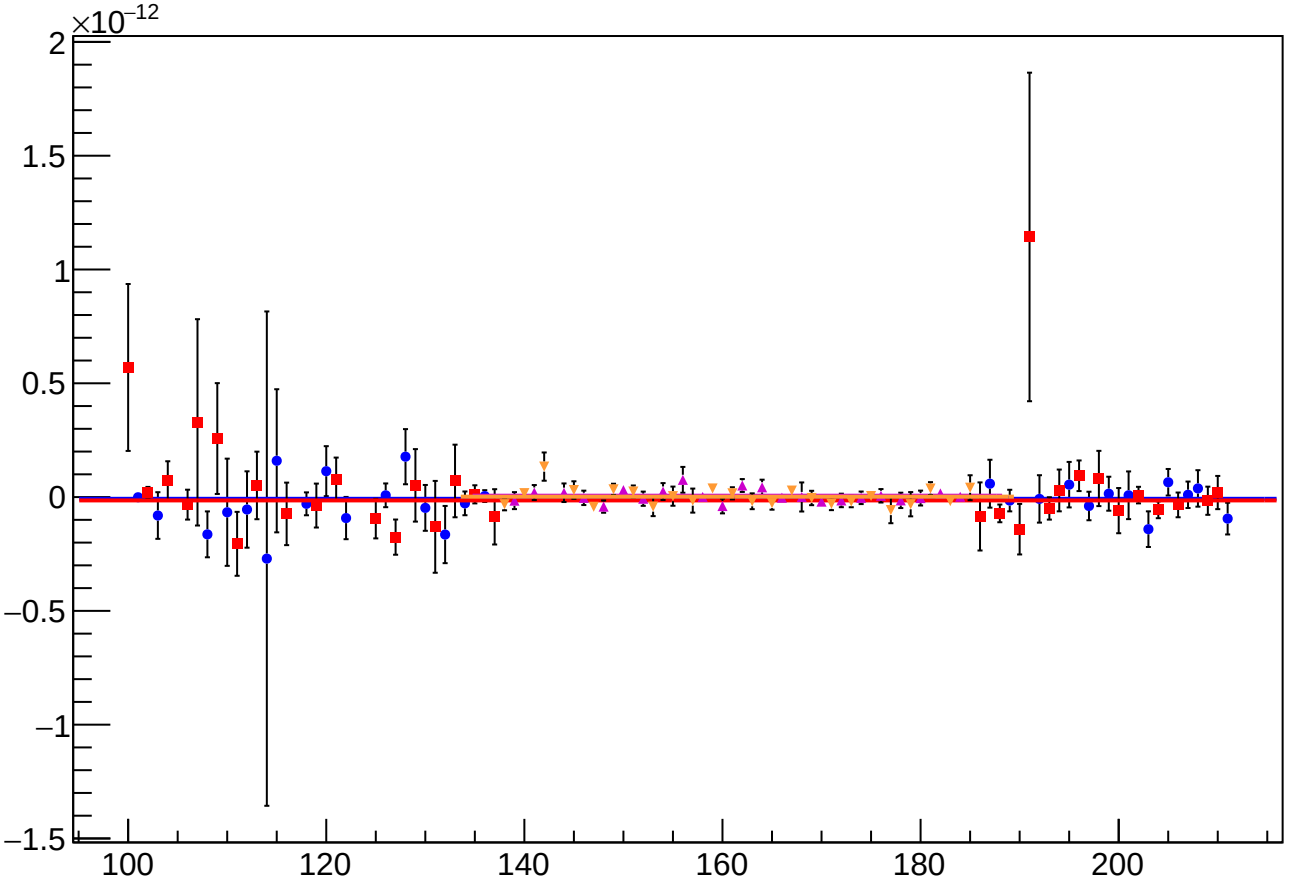
Left In: 1817.142+/-0.302 χ^2/NDF:307103.2/22

+ sign 1745.230+/-0.210 χ^2/NDF: 949076.3/51

All: 1749.707+/-0.148 χ^2/NDF: 2143947.8/10

- sign 1754.105+/-0.208 χ^2/NDF: 1193967.1/54

asym_usl_atl1_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 17.9/27

Left Out: 0.000+/-0.000 χ^2/NDF:29.3/23

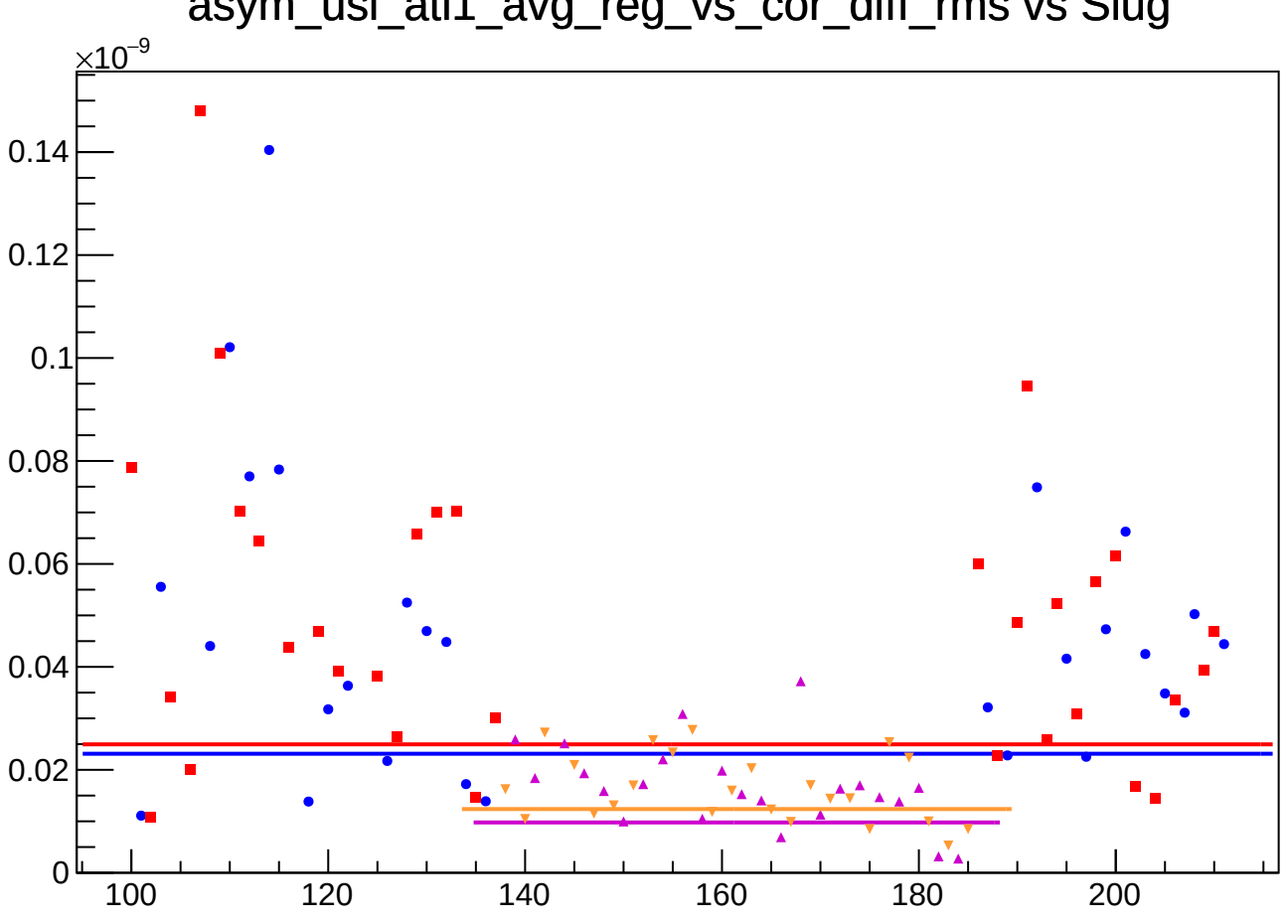
Right Out: -0.000+/-0.000 χ^2/NDF: 29.7/31

Left In: 0.000+/-0.000 χ^2/NDF:17.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 47.8/51

All: 0.000+/-0.000 χ^2/NDF: 98.4/106

- sign 0.000+/-0.000 χ^2/NDF: 50.4/54



Right In: 0.000+/-0.000 χ^2/NDF: 3997557.2/27

Left Out: 0.000+/-0.000 χ^2/NDF:1898110.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 3584835.4/31

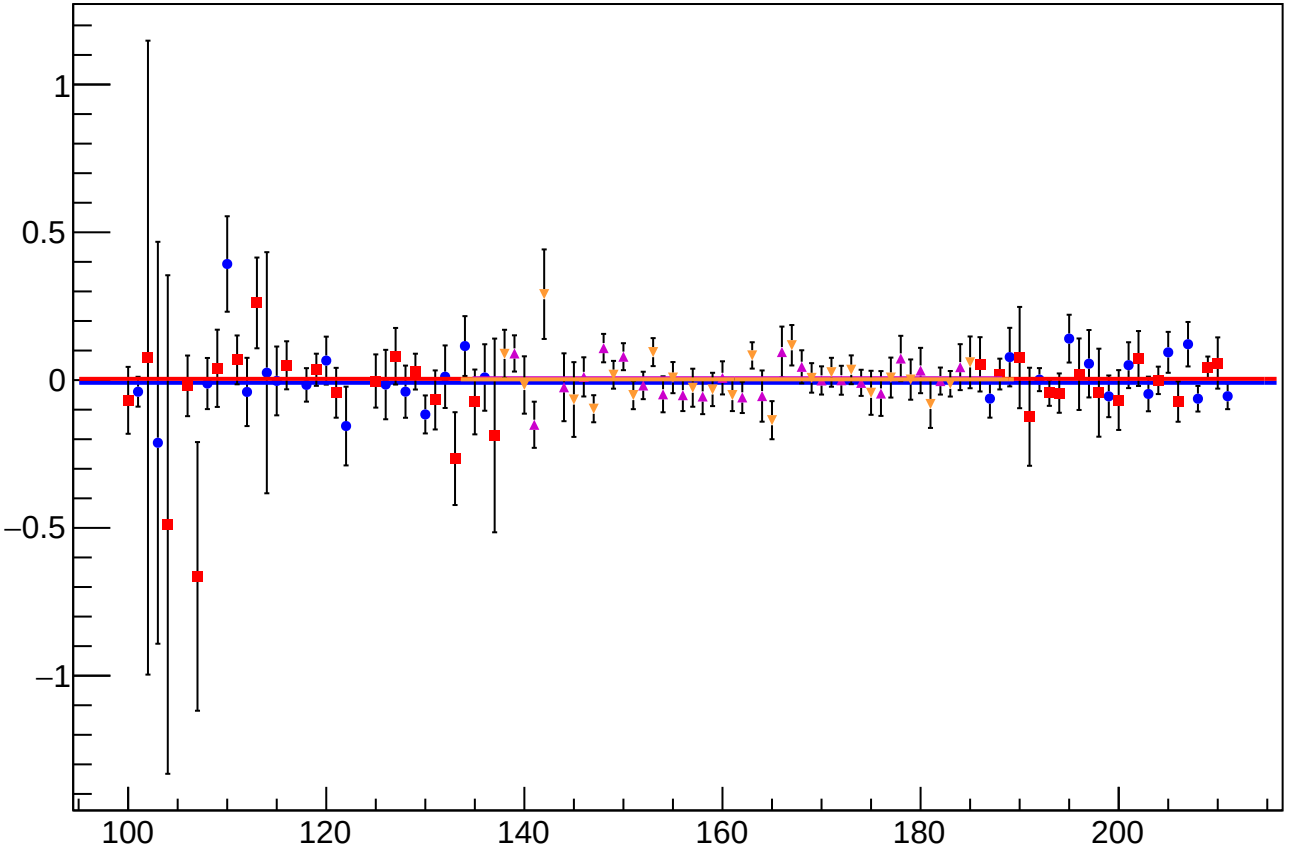
Left In: 0.000+/-0.000 χ^2/NDF:4499862.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 7430093.7/51

All: 0.000+/-0.000 χ^2/NDF: 18756071.0/106

- sign 0.000+/-0.000 χ^2/NDF: 11018304.7/54

asym_usl_atl1_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.009+/-0.014 χ^2/NDF: 27.8/27

Left Out: 0.003+/-0.012 χ^2/NDF:29.9/23

Right Out: 0.004+/-0.014 χ^2/NDF: 19.4/31

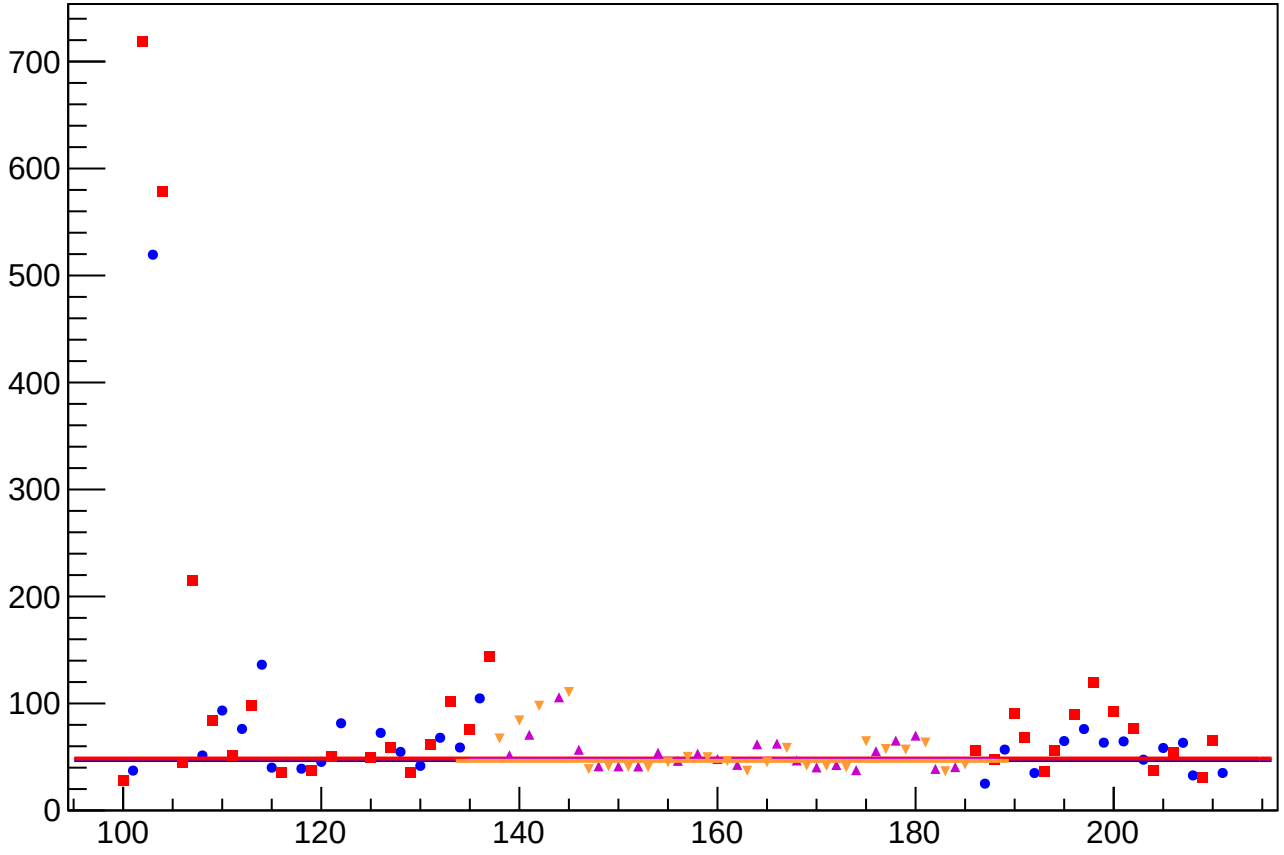
Left In: 0.006+/-0.012 χ^2/NDF:21.6/22

+ sign -0.002+/-0.009 χ^2/NDF: 58.1/51

All: 0.001+/-0.006 χ^2/NDF: 99.5/106

- sign 0.005+/-0.009 χ^2/NDF: 41.0/54

asym_usl_atl1_avg_dit_vs_cor_diff_rms vs Slug



Right In: 47.123+/-0.010 χ^2/NDF: 3765379.2/27

Left Out: 46.353+/-0.008 χ^2/NDF:1967753.2/23

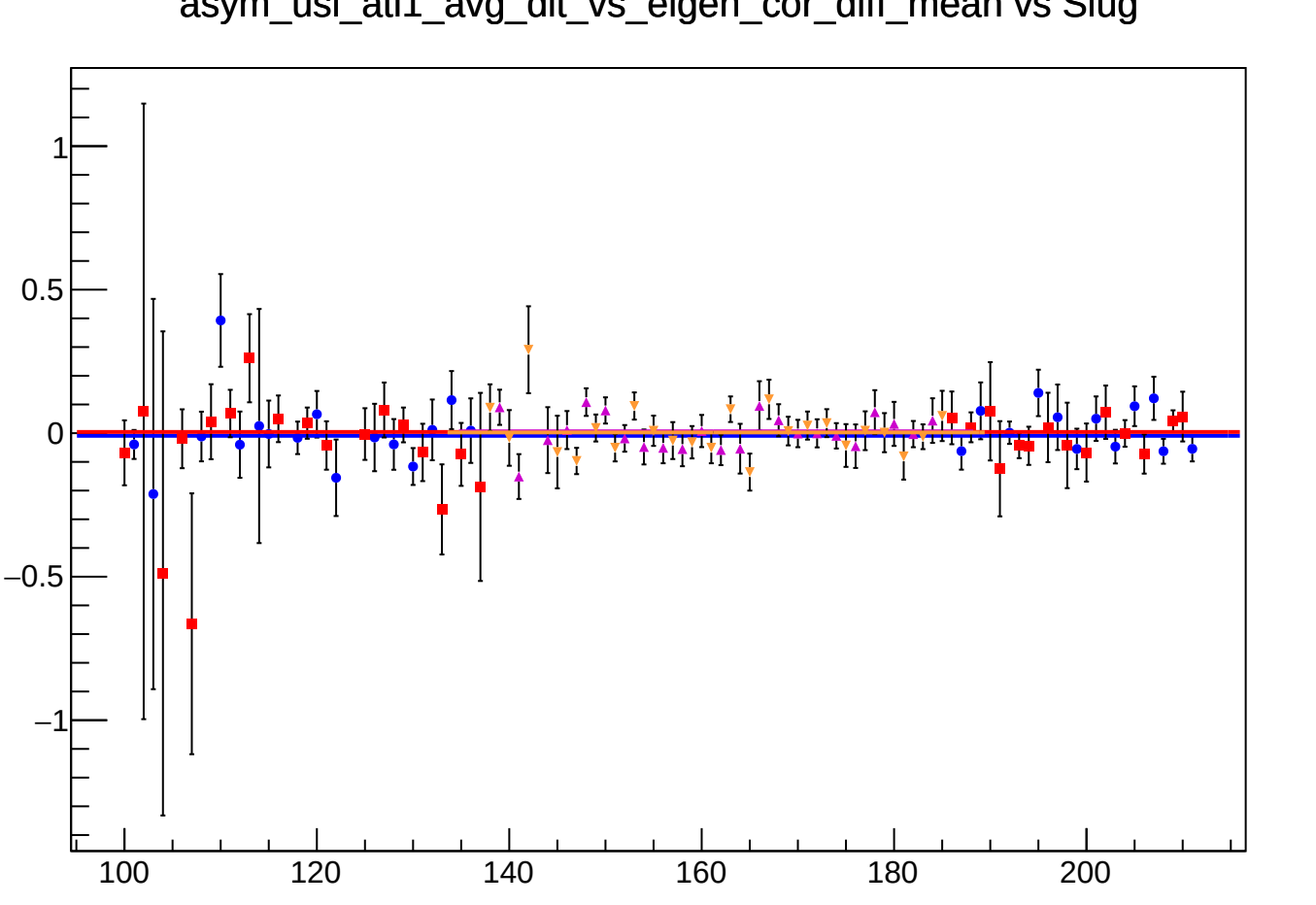
Right Out: 48.525+/-0.010 χ^2/NDF: 5353549.6/31

Left In: 47.575+/-0.009 χ^2/NDF:1576196.2/22

+ sign 46.682+/-0.006 χ^2/NDF: 5736710.8/51

All: 47.315+/-0.005 χ^2/NDF: 12691862.8/106

- sign 47.977+/-0.007 χ^2/NDF: 6934935.4/54



Right In: -0.009+/-0.014 χ^2/NDF: 27.8/27

Left Out: 0.003+/-0.012 χ^2/NDF:29.9/23

Right Out: 0.004+/-0.014 χ^2/NDF: 19.4/31

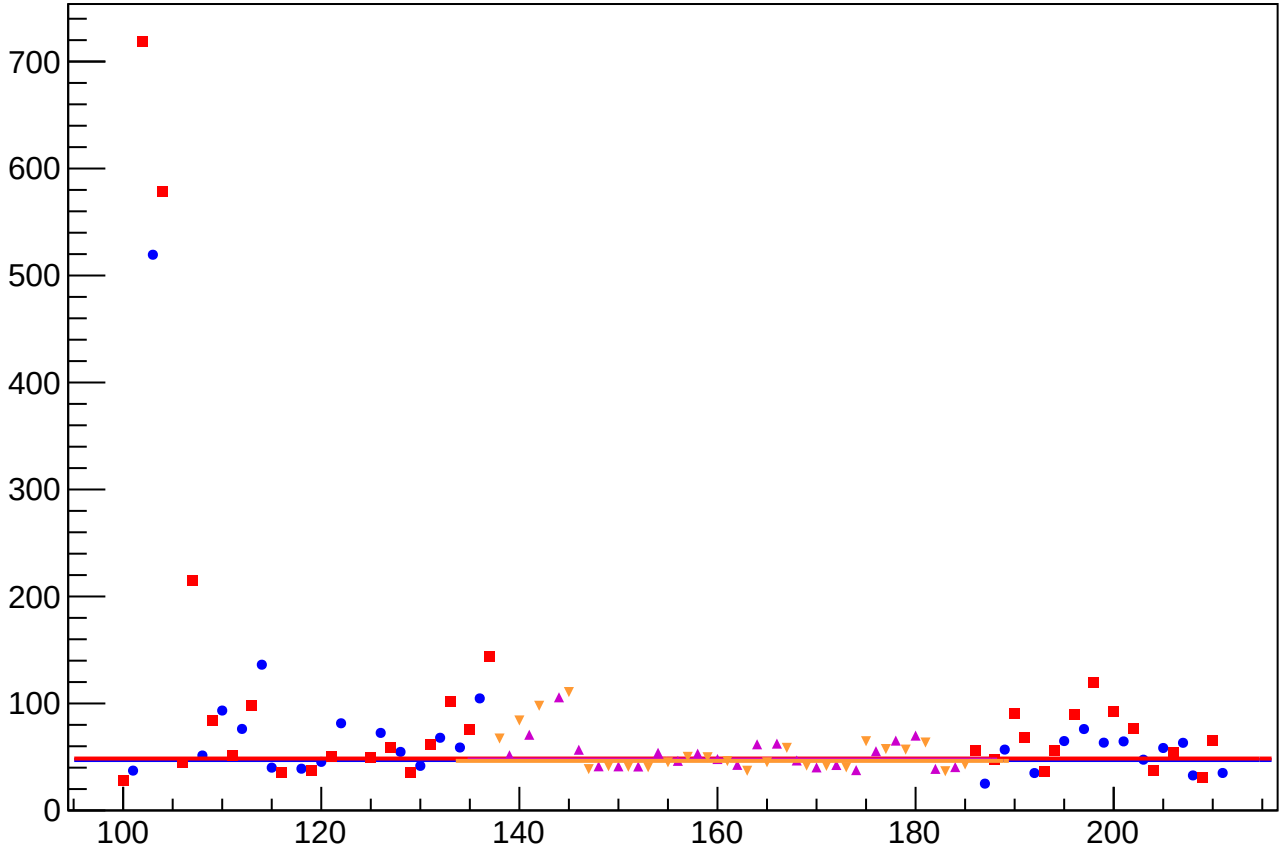
Left In: 0.006+/-0.012 χ^2/NDF:21.6/22

\+ sign -0.002+/-0.009 χ^2/NDF: 58.1/51

All: 0.001+/-0.006 χ^2/NDF: 99.5/106

\- sign 0.005+/-0.009 χ^2/NDF: 41.0/54

asym_usl_atl1_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 47.123+/-0.010 χ^2/NDF: 3765379.2/27

Left Out: 46.353+/-0.008 χ^2/NDF:1967753.2/23

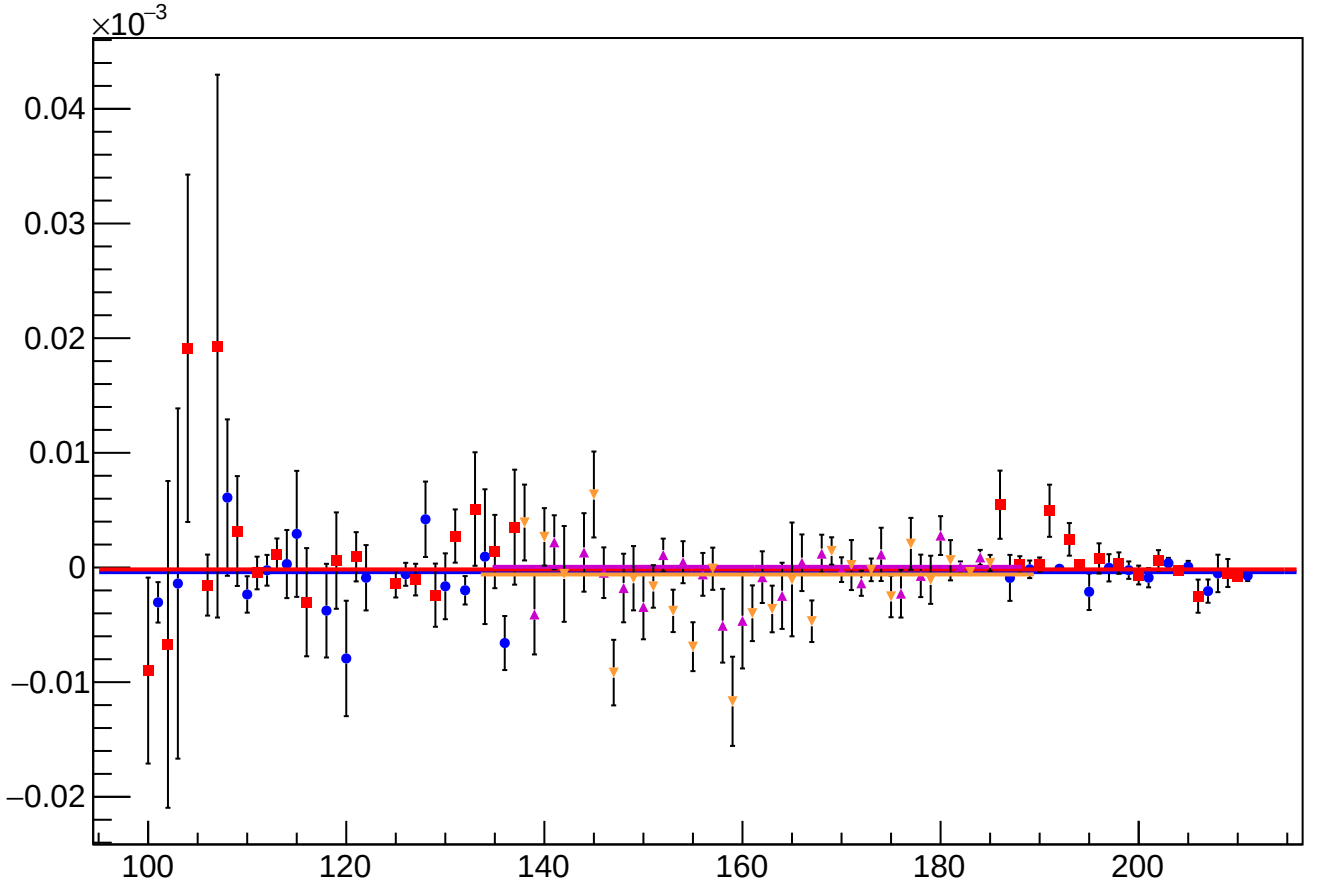
Right Out: 48.525+/-0.010 χ^2/NDF: 5353549.6/31

Left In: 47.575+/-0.009 χ^2/NDF:1576196.2/22

+ sign 46.682+/-0.006 χ^2/NDF: 5736710.8/51

All: 47.315+/-0.005 χ^2/NDF: 12691862.8/106

- sign 47.977+/-0.007 χ^2/NDF: 6934935.4/54



Right In: -0.000+/-0.000 χ^2/NDF: 28.1/27

Left Out: -0.000+/-0.000 χ^2/NDF:54.0/23

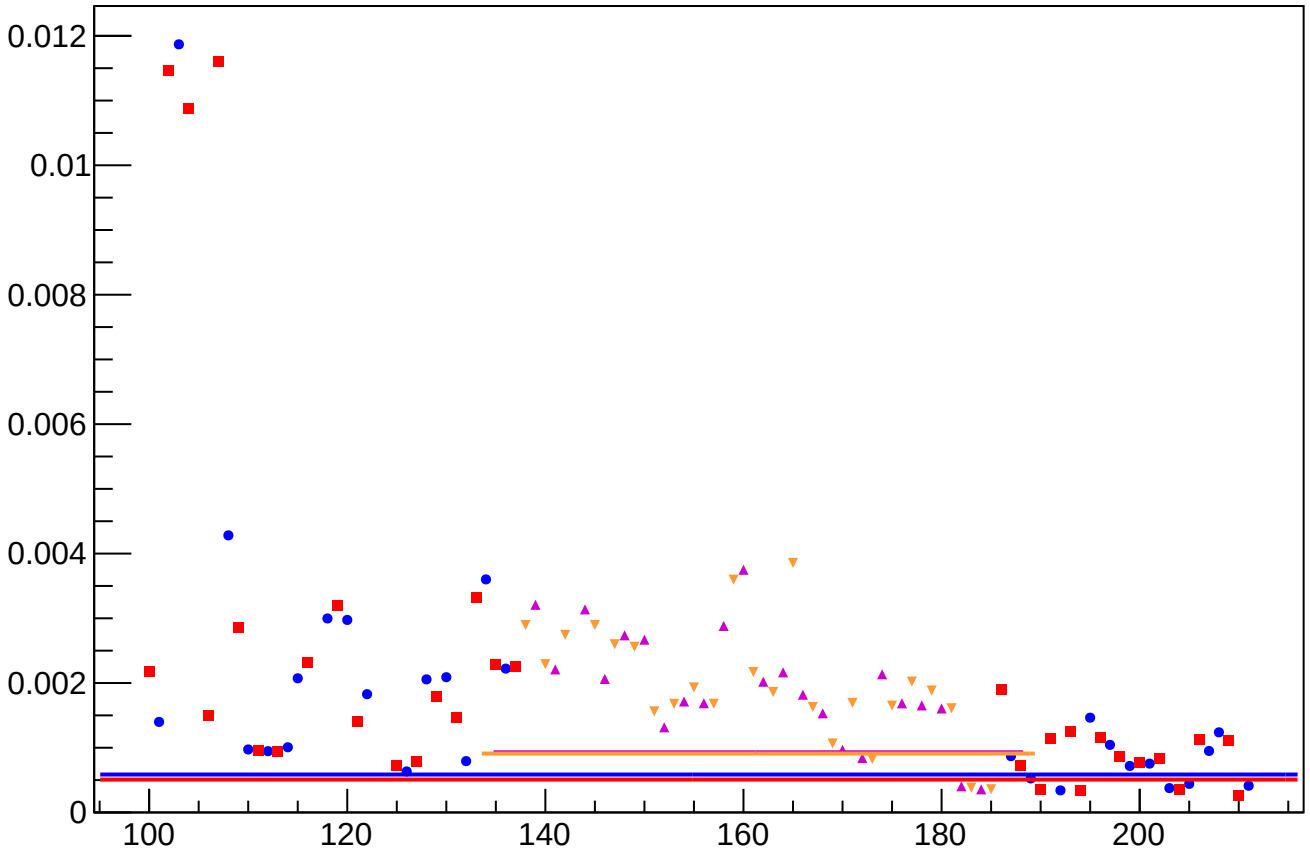
Right Out: -0.000+/-0.000 χ^2/NDF: 35.1/31

Left In: 0.000+/-0.000 χ^2/NDF:17.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 82.4/51

All: -0.000+/-0.000 χ^2/NDF: 138.8/106

- sign -0.000+/-0.000 χ^2/NDF: 53.5/54



Right In: 0.001+/-0.000 χ^2/NDF: 9834347.0/27

Left Out: 0.001+/-0.000 χ^2/NDF:14137356.3/23

Right Out: 0.001+/-0.000 χ^2/NDF: 13428096.5/31

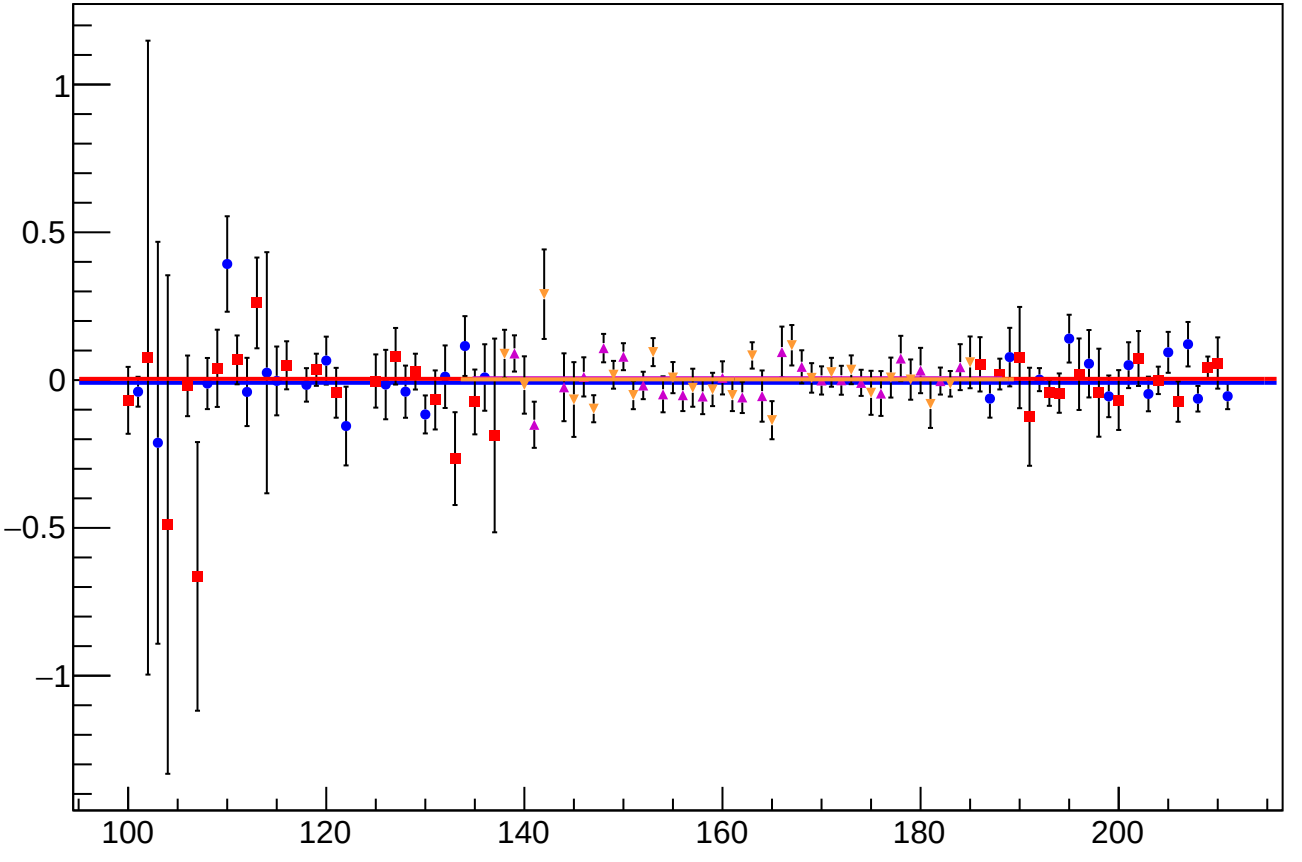
Left In: 0.001+/-0.000 χ^2/NDF:13690985.6/22

+ sign 0.001+/-0.000 χ^2/NDF: 25883723.1/51

All: 0.001+/-0.000 χ^2/NDF: 56644187.6/106

- sign 0.001+/-0.000 χ^2/NDF: 30520194.4/54

asym_usl_atl1_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.009+/-0.014 χ^2/NDF: 27.8/27

Left Out: 0.003+/-0.012 χ^2/NDF:29.9/23

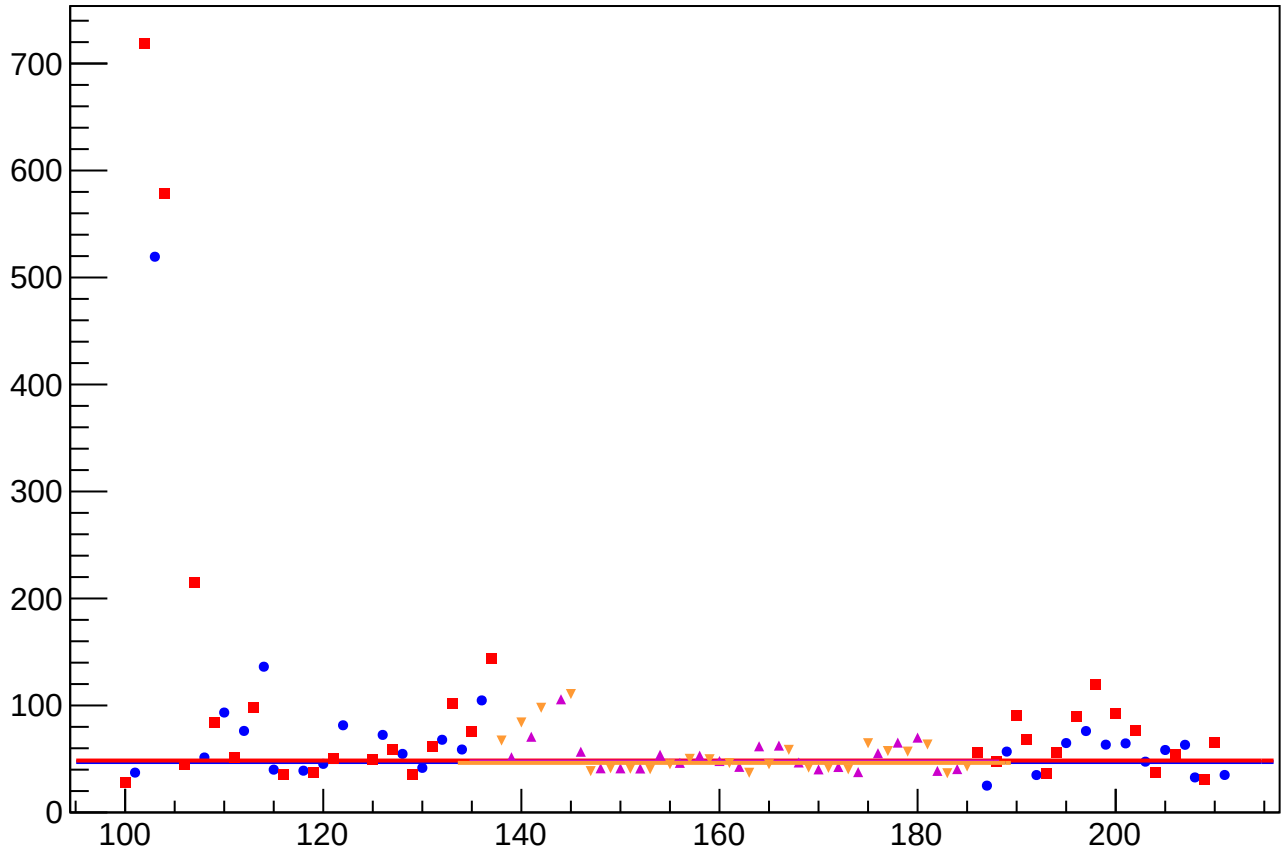
Right Out: 0.004+/-0.014 χ^2/NDF: 19.4/31

Left In: 0.006+/-0.012 χ^2/NDF:21.6/22

+ sign -0.002+/-0.009 χ^2/NDF: 58.1/51

All: 0.001+/-0.006 χ^2/NDF: 99.5/106

- sign 0.005+/-0.009 χ^2/NDF: 41.0/54



Right In: 47.123+/-0.010 χ^2/NDF: 3765401.0/27

Left Out: 46.354+/-0.008 χ^2/NDF:1967741.3/23

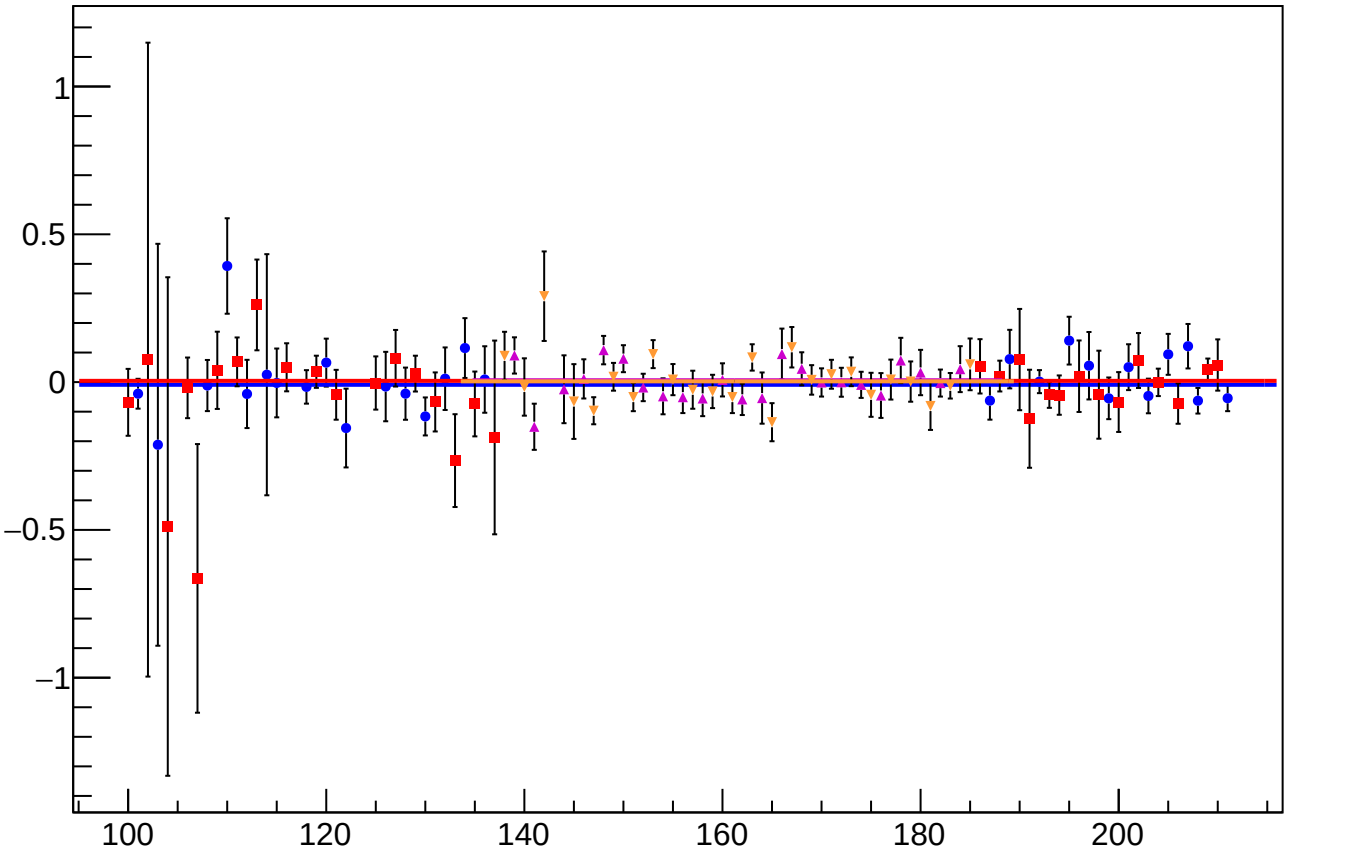
Right Out: 48.524+/-0.010 χ^2/NDF: 5353527.9/31

Left In: 47.575+/-0.009 χ^2/NDF:1576204.5/22

+ sign 46.682+/-0.006 χ^2/NDF: 5736718.6/51

All: 47.315+/-0.005 χ^2/NDF: 12691851.6/106

- sign 47.977+/-0.007 χ^2/NDF: 6934919.4/54



Right In: -0.009+/-0.014 χ^2/NDF: 27.8/27

Left Out: 0.003+/-0.012 χ^2/NDF:29.9/23

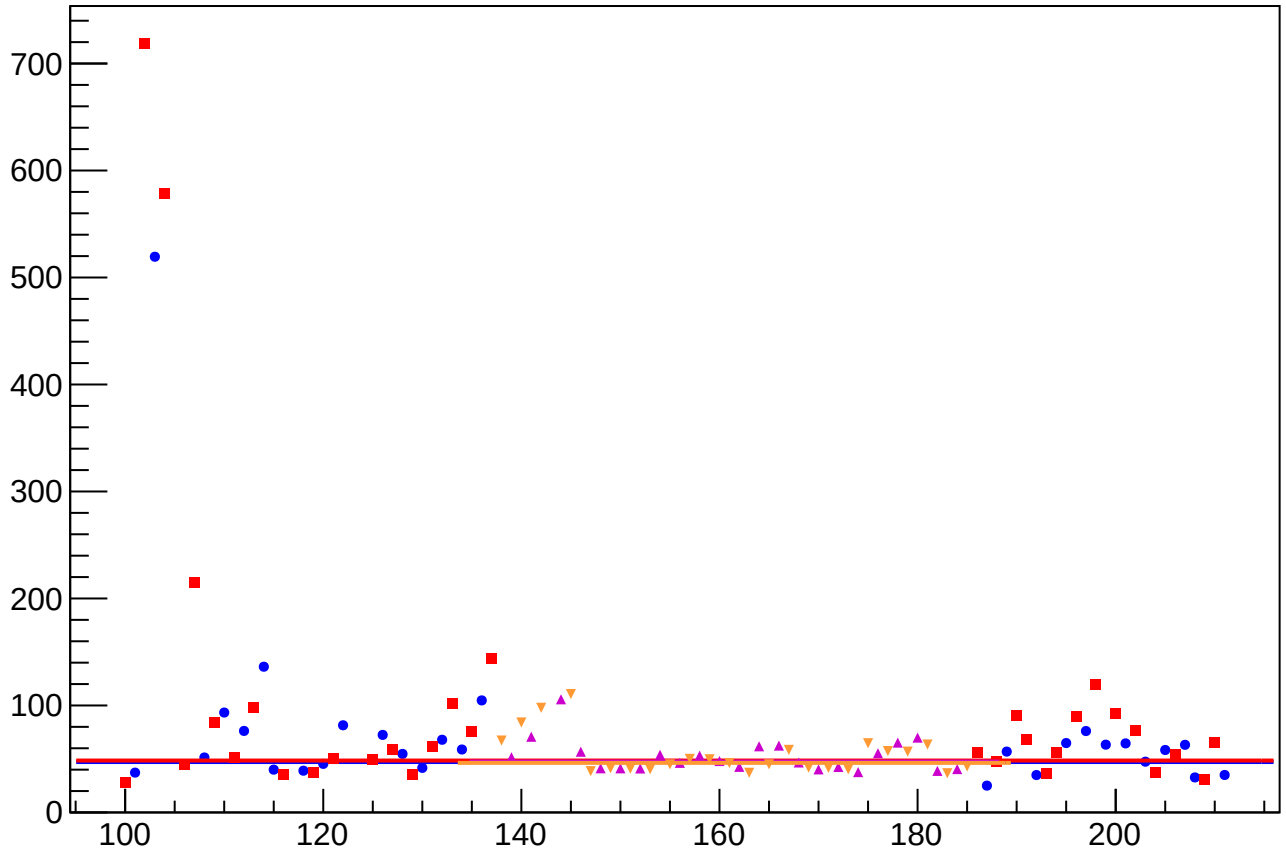
Right Out: 0.004+/-0.014 χ^2/NDF: 19.4/31

Left In: 0.006+/-0.012 χ^2/NDF:21.6/22

\+ sign -0.002+/-0.009 χ^2/NDF: 58.1/51

All: 0.001+/-0.006 χ^2/NDF: 99.5/106

\- sign 0.005+/-0.009 χ^2/NDF: 41.0/54



Right In: 47.123+/-0.010 χ^2/NDF: 3765401.0/27

Left Out: 46.354+/-0.008 χ^2/NDF:1967741.3/23

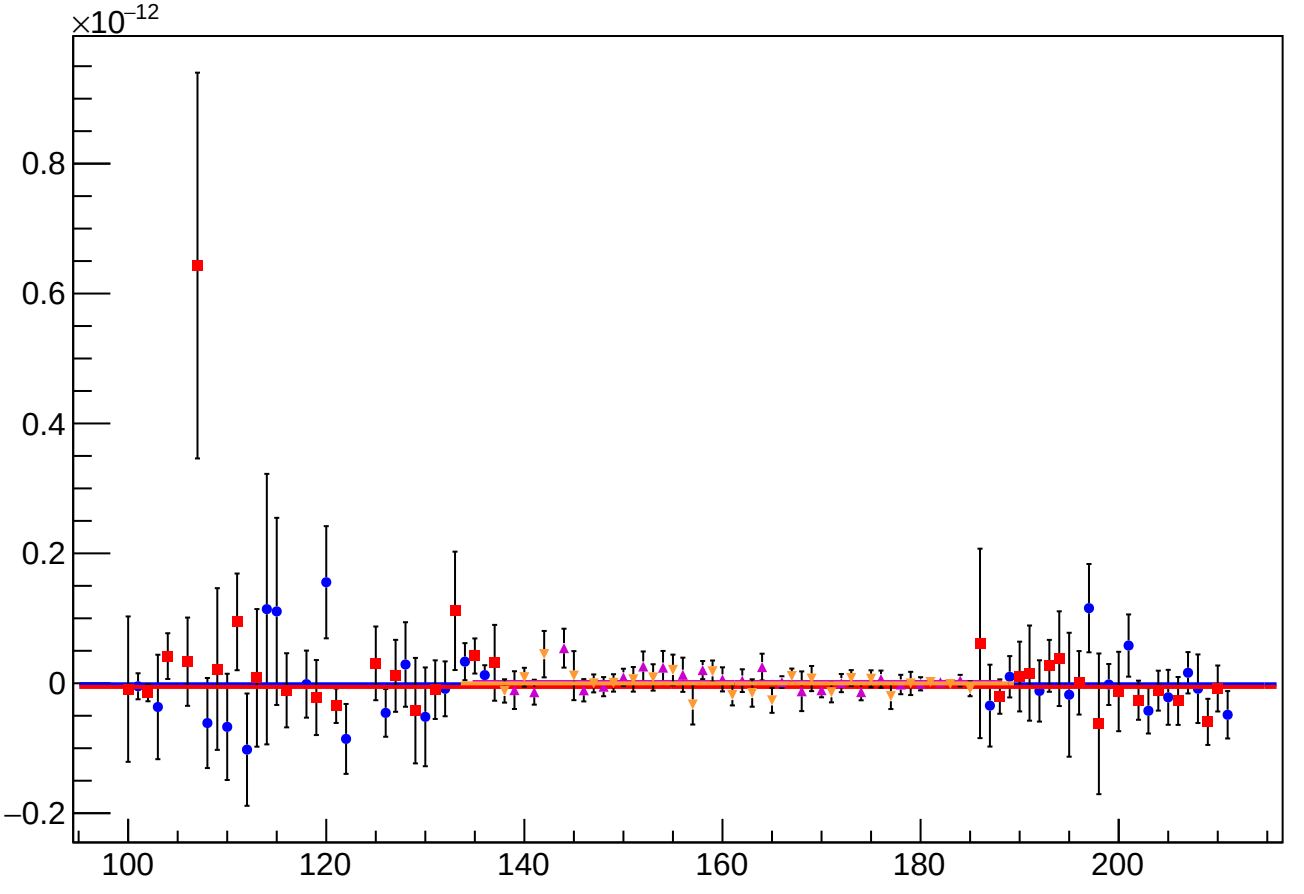
Right Out: 48.524+/-0.010 χ^2/NDF: 5353527.9/31

Left In: 47.575+/-0.009 χ^2/NDF:1576204.5/22

+ sign 46.682+/-0.006 χ^2/NDF: 5736718.6/51

All: 47.315+/-0.005 χ^2/NDF: 12691851.6/106

- sign 47.977+/-0.007 χ^2/NDF: 6934919.4/54



Right In: -0.000+/-0.000 χ^2/NDF: 22.7/27

Left Out: -0.000+/-0.000 χ^2/NDF:13.9/23

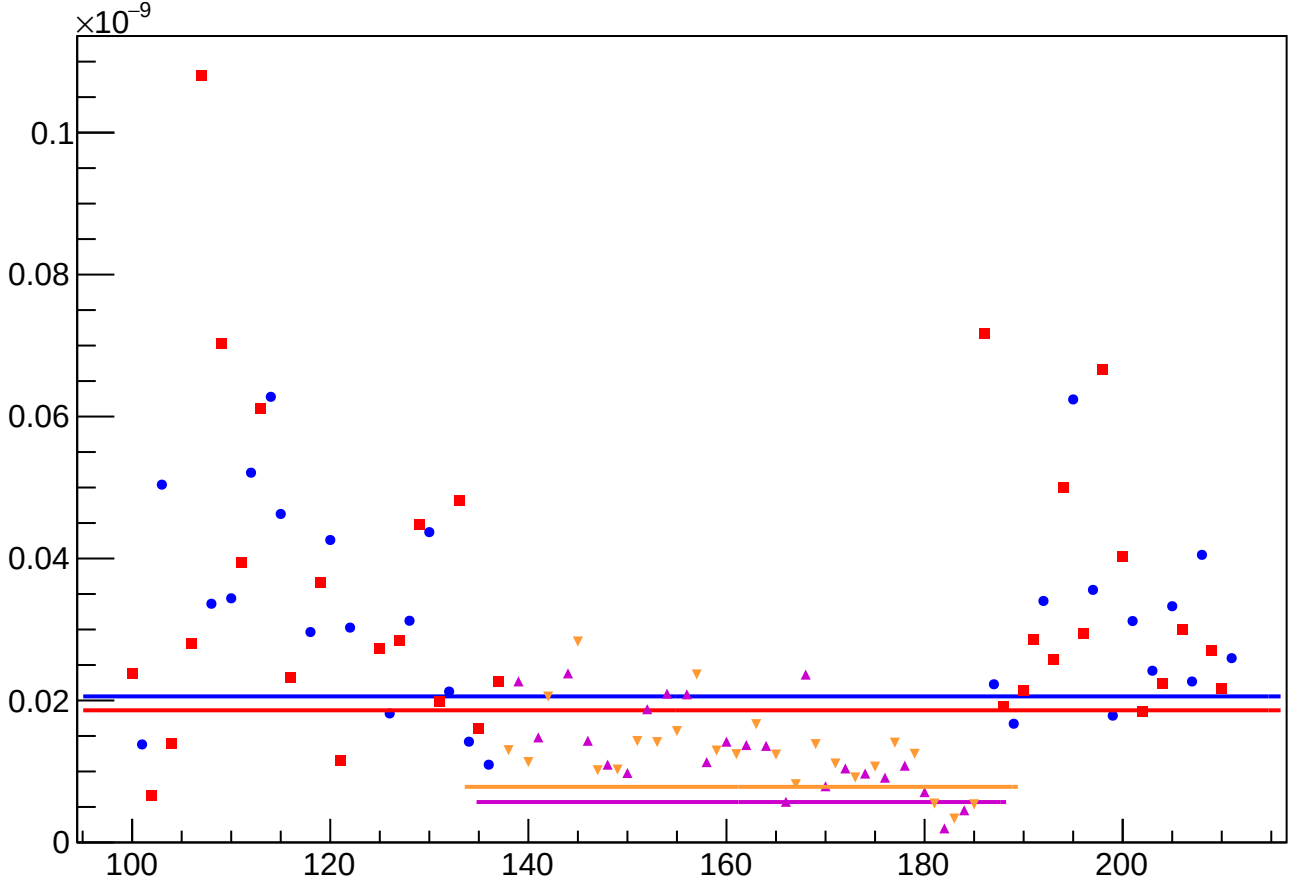
Right Out: -0.000+/-0.000 χ^2/NDF: 21.6/31

Left In: 0.000+/-0.000 χ^2/NDF:13.4/22

+ sign -0.000+/-0.000 χ^2/NDF: 36.6/51

All: 0.000+/-0.000 χ^2/NDF: 72.8/106

- sign 0.000+/-0.000 χ^2/NDF: 36.0/54



Right In: 0.000+/-0.000 χ^2/NDF: 3777122.9/27

Left Out: 0.000+/-0.000 χ^2/NDF:6422392.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 5528609.6/31

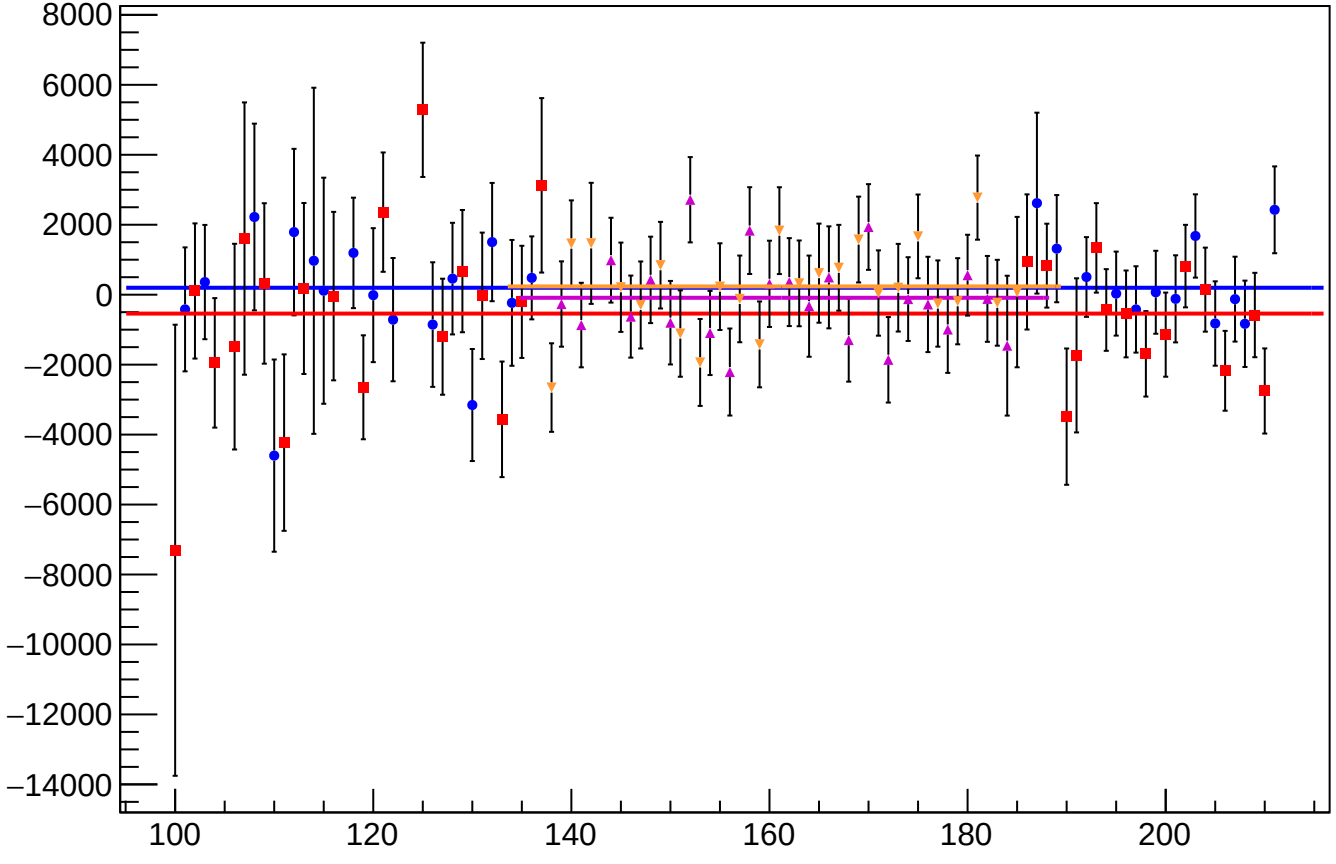
Left In: 0.000+/-0.000 χ^2/NDF:11199324.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 15500104.9/51

All: 0.000+/-0.000 χ^2/NDF: 39666129.2/106

- sign 0.000+/-0.000 χ^2/NDF: 23011793.2/54

reg_asym_usl_atl1_dd_mean vs Slug



Right In: 198.130+/-286.656 χ^2/NDF: 18.5/27

Left Out: 236.601+/-259.669 χ^2/NDF:22.7/23

Right Out: -540.238+/-279.931 χ^2/NDF: 39.8/31

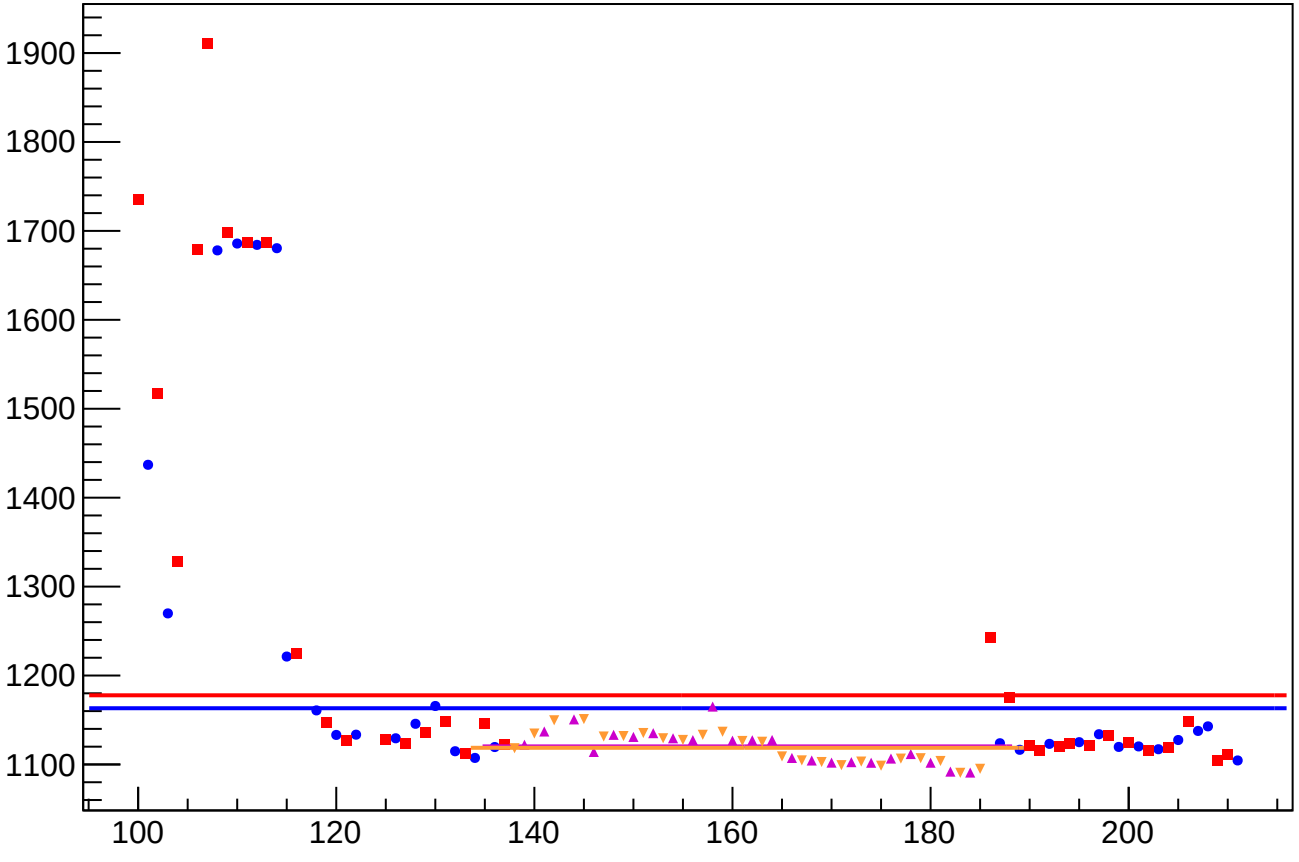
Left In: -88.380+/-261.602 χ^2/NDF:20.9/22

+ sign 219.261+/-192.449 χ^2/NDF: 41.2/51

All: -41.666+/-135.614 χ^2/NDF: 106.9/106

- sign -299.033+/-191.132 χ^2/NDF: 62.0/54

reg_asym_usl_atl1_dd_rms vs Slug



Right In: 1163.224+/-0.203 χ^2/NDF: 353322.6/27

Left Out: 1118.733+/-0.184 χ^2/NDF:8205.0/23

Right Out: 1177.769+/-0.198 χ^2/NDF: 552937.8/31

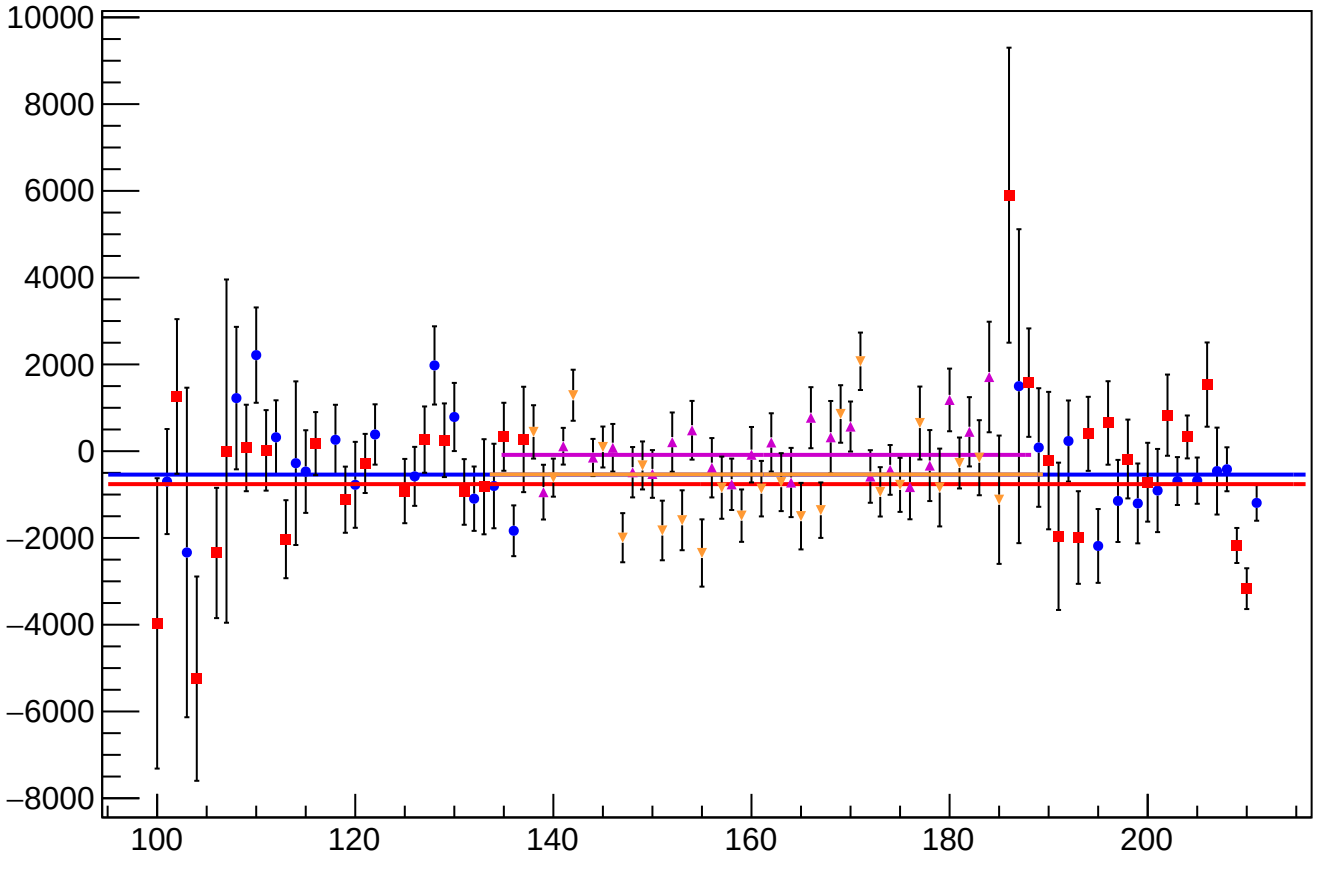
Left In: 1120.308+/-0.185 χ^2/NDF:9479.7/22

+ sign 1138.786+/-0.136 χ^2/NDF: 387990.6/51

All: 1142.970+/-0.096 χ^2/NDF: 997269.1/106

- sign 1147.096+/-0.135 χ^2/NDF: 607401.1/54

asym_usl_atl1_dd_reg_correction_mean vs Slug



Right In: -540.023+/-150.301 χ^2/NDF: 36.5/27

Left Out: -535.899+/-130.646 χ^2/NDF:61.6/23

Right Out: -759.564+/-150.334 χ^2/NDF: 84.3/31

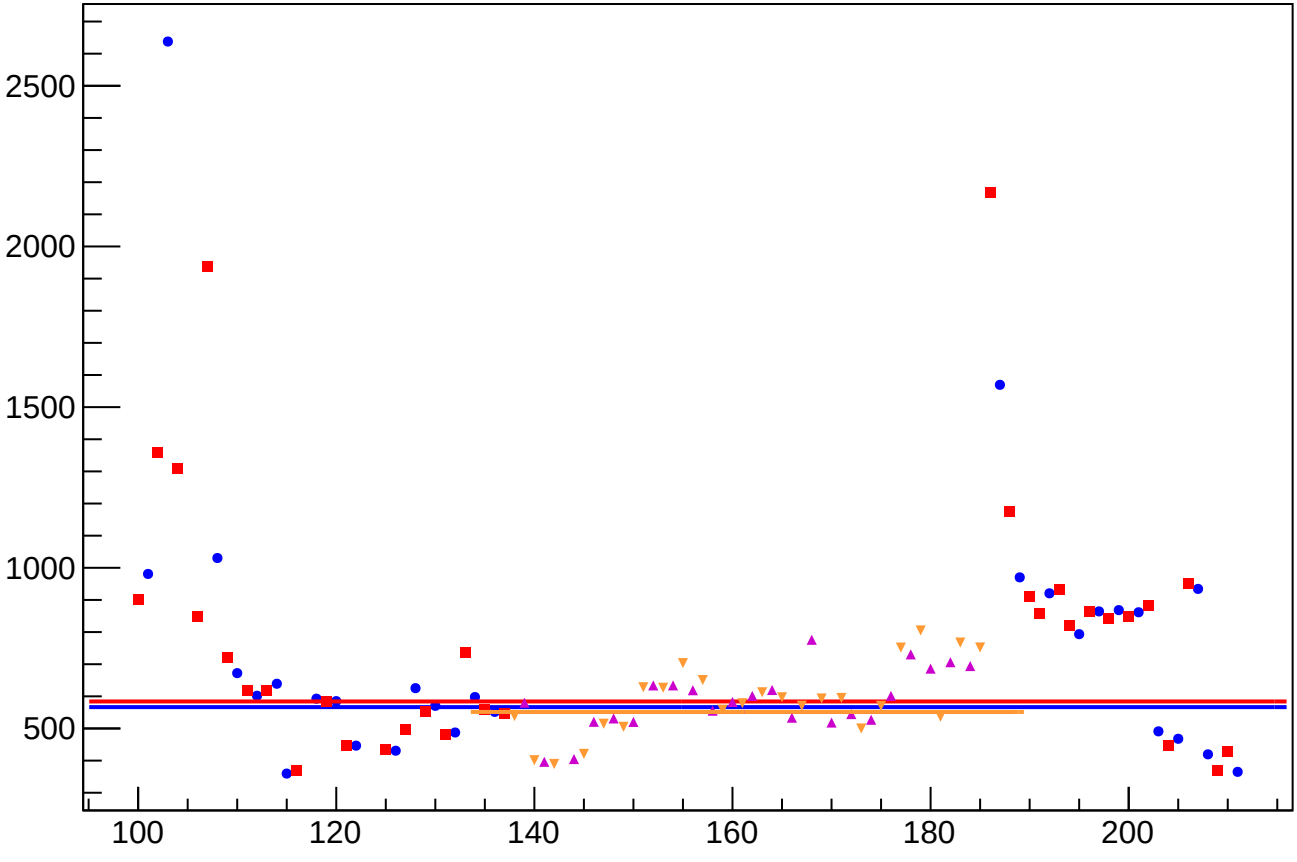
Left In: -85.254+/-130.966 χ^2/NDF:17.1/22

\+ sign -537.674+/-98.603 χ^2/NDF: 98.0/51

All: -457.057+/-69.774 χ^2/NDF: 212.2/106

\- sign -376.200+/-98.749 χ^2/NDF: 112.8/54

asym_usl_atl1_dd_reg_correction_rms vs Slug



Right In: 566.449+/-0.106 χ^2/NDF: 3669385.7/27

Left Out: 551.440+/-0.092 χ^2/NDF:1226616.4/23

Right Out: 584.061+/-0.106 χ^2/NDF: 4689362.4/31

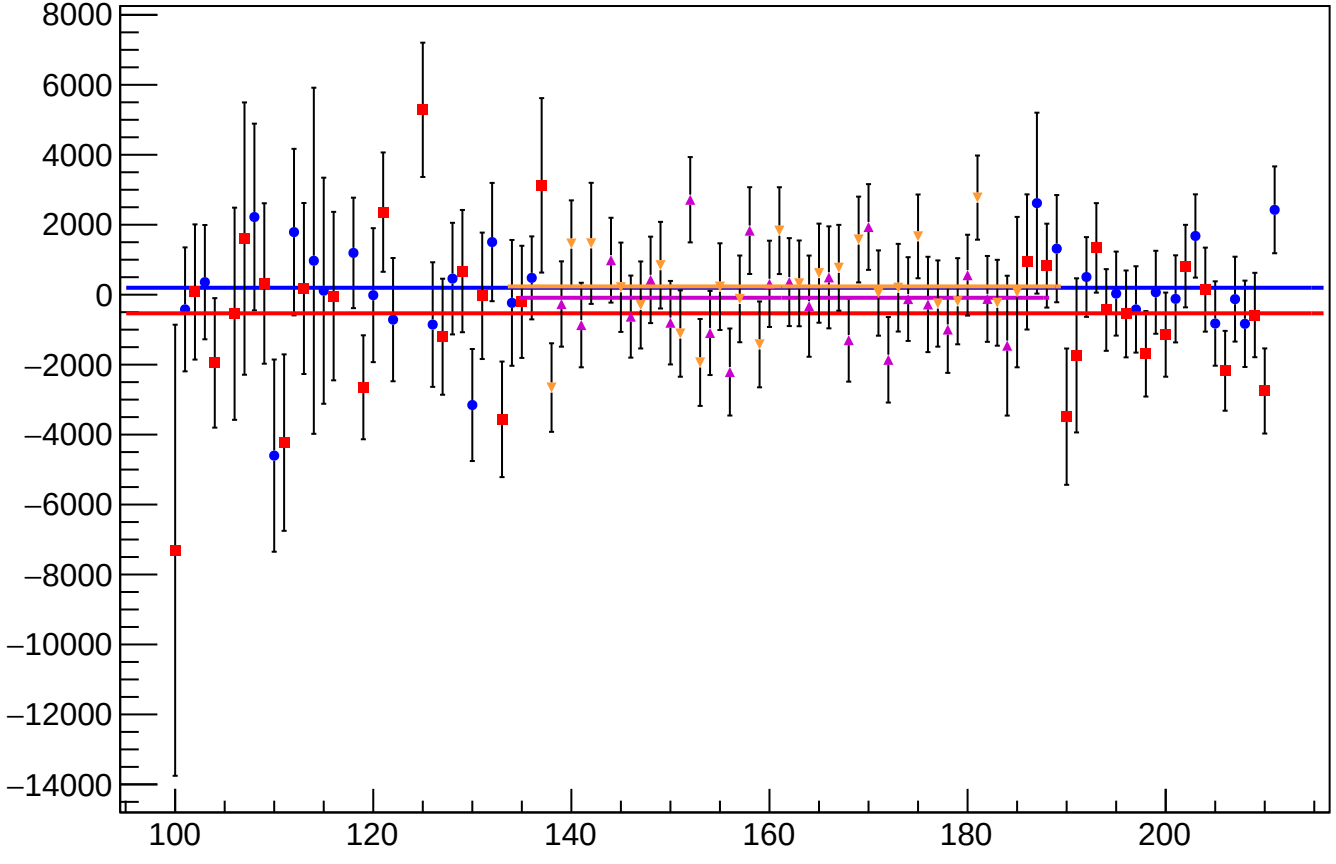
Left In: 551.336+/-0.093 χ^2/NDF:1061764.2/22

+ sign 557.900+/-0.070 χ^2/NDF: 4907362.8/51

All: 561.672+/-0.049 χ^2/NDF: 10718232.7/10

- sign 565.456+/-0.070 χ^2/NDF: 5805005.7/54

cor_asym_usl_atl1_dd_mean vs Slug



Right In: 197.963+/-286.656 χ^2/NDF: 18.5/27

Left Out: 236.642+/-259.669 χ^2/NDF:22.7/23

Right Out: -532.329+/-280.007 χ^2/NDF: 39.7/31

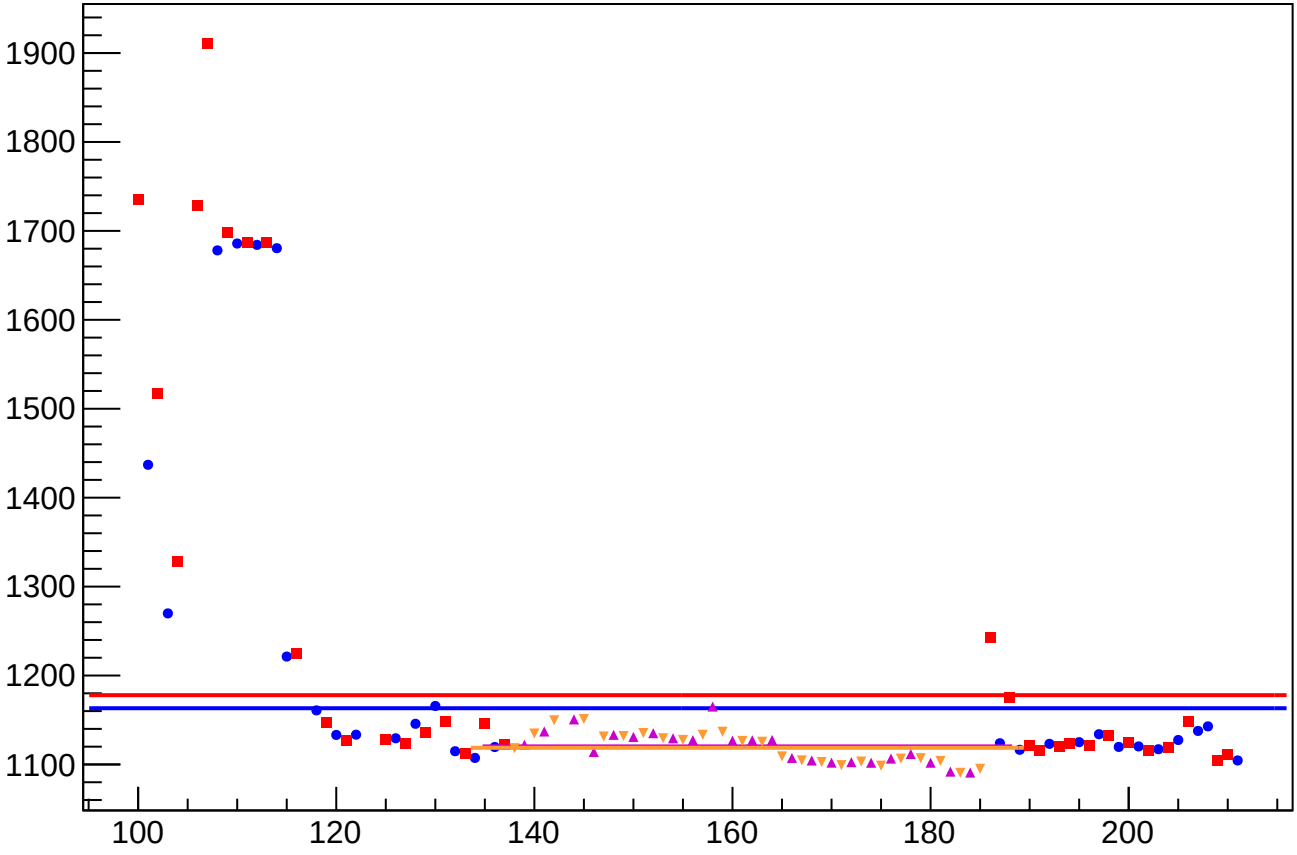
Left In: -88.370+/-261.602 χ^2/NDF:20.9/22

+ sign 219.208+/-192.449 χ^2/NDF: 41.2/51

All: -39.769+/-135.623 χ^2/NDF: 106.7/106

- sign -295.280+/-191.156 χ^2/NDF: 61.9/54

cor_asym_usl_atl1_dd_rms vs Slug



Right In: 1163.224+/-0.203 χ^2/NDF: 353322.6/27

Left Out: 1118.733+/-0.184 χ^2/NDF:8205.0/23

Right Out: 1177.923+/-0.198 χ^2/NDF: 560885.7/31

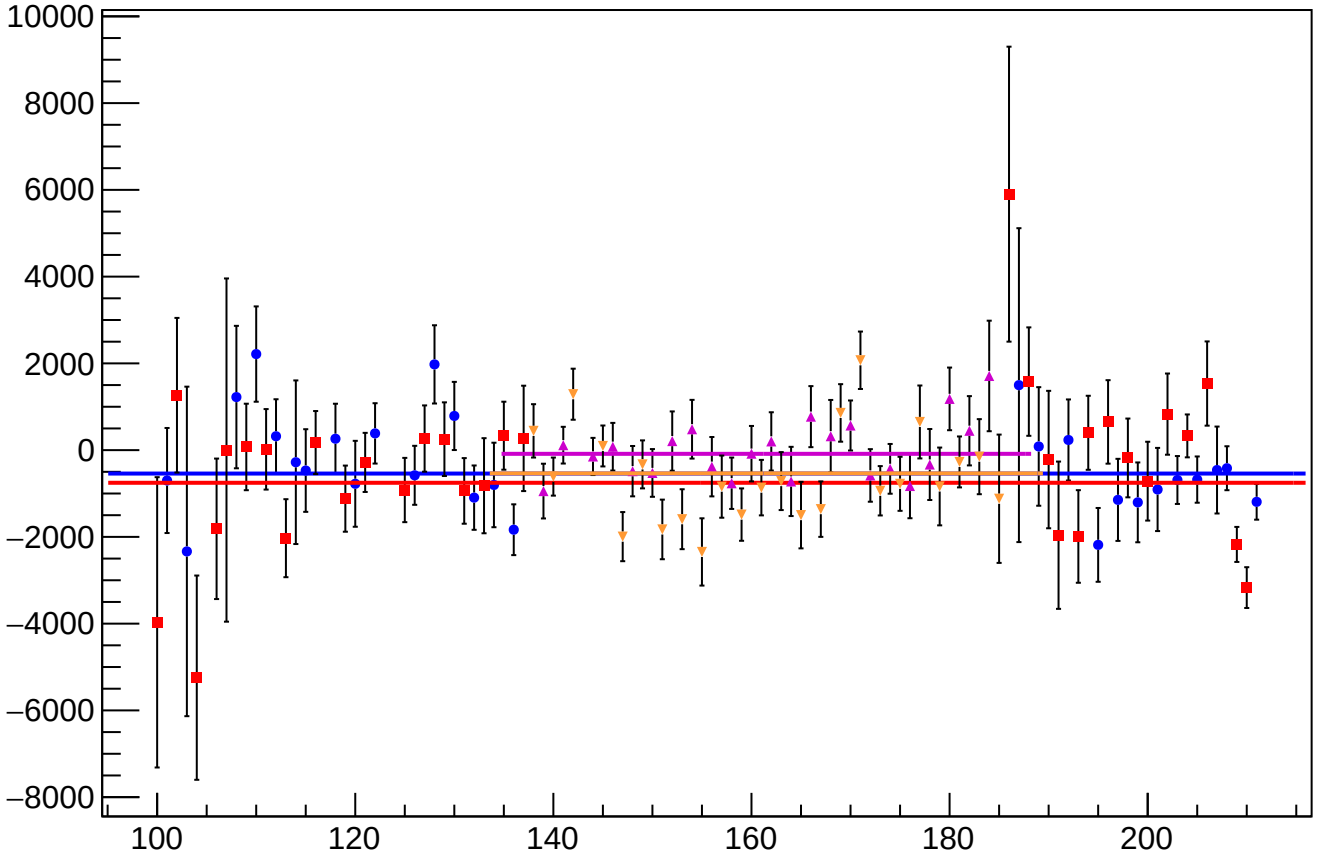
Left In: 1120.308+/-0.185 χ^2/NDF:9479.7/22

+ sign 1138.786+/-0.136 χ^2/NDF: 387990.7/51

All: 1143.001+/-0.096 χ^2/NDF: 1005473.3/10

- sign 1147.160+/-0.135 χ^2/NDF: 615576.6/54

asym_usl_atl1_dd_cor_correction_mean vs Slug



Right In: -540.005+/-150.300 χ^2/NDF: 36.5/27

Left Out: -535.930+/-130.646 χ^2/NDF:61.6/23

Right Out: -752.738+/-150.438 χ^2/NDF: 83.6/31

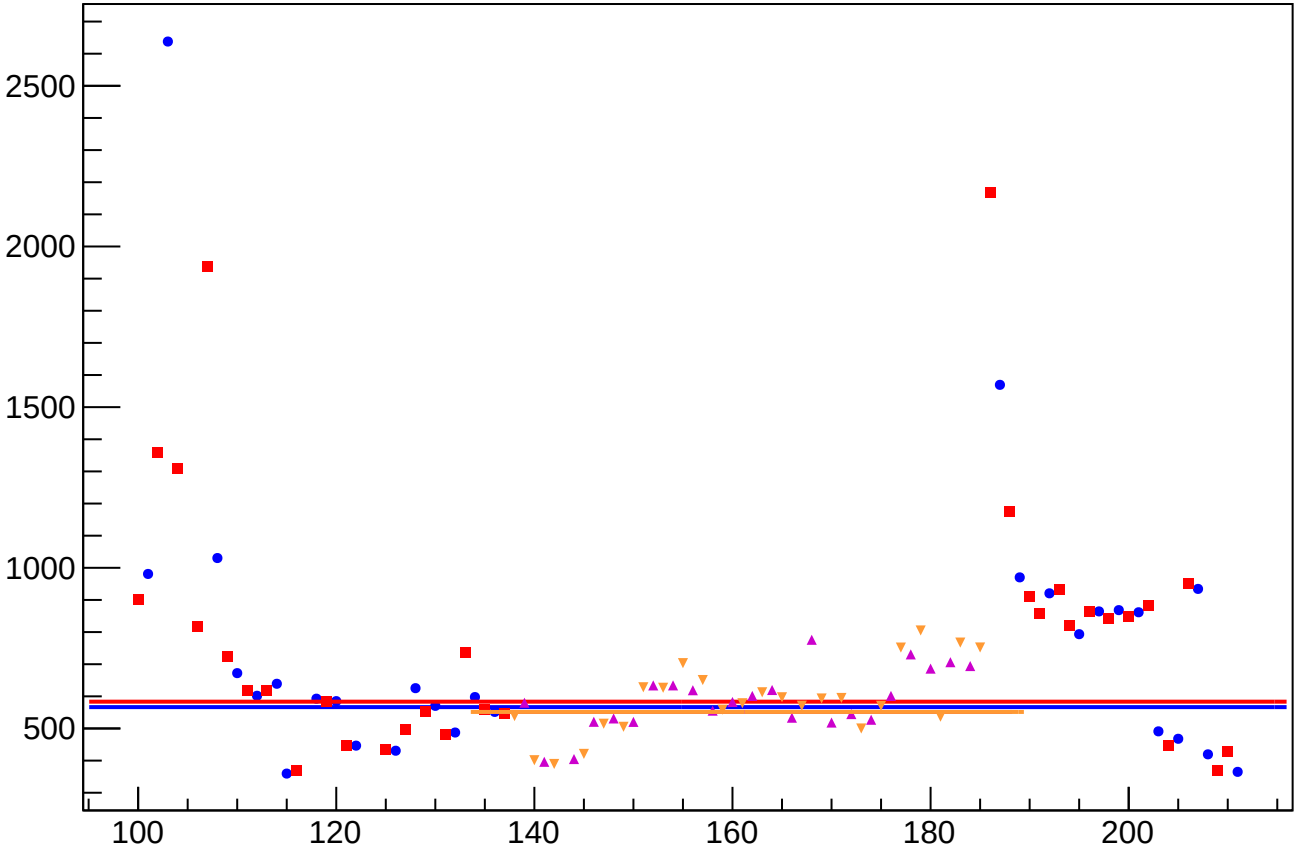
Left In: -85.243+/-130.966 χ^2/NDF:17.1/22

\+ sign -537.683+/-98.602 χ^2/NDF: 98.0/51

All: -455.499+/-69.785 χ^2/NDF: 211.3/106

\- sign -373.021+/-98.779 χ^2/NDF: 111.9/54

asym_usl_atl1_dd_cor_correction_rms vs Slug



Right In: 566.446+/-0.106 χ^2/NDF: 3669381.3/27

Left Out: 551.439+/-0.092 χ^2/NDF:1226632.2/23

Right Out: 583.415+/-0.106 χ^2/NDF: 4669352.7/31

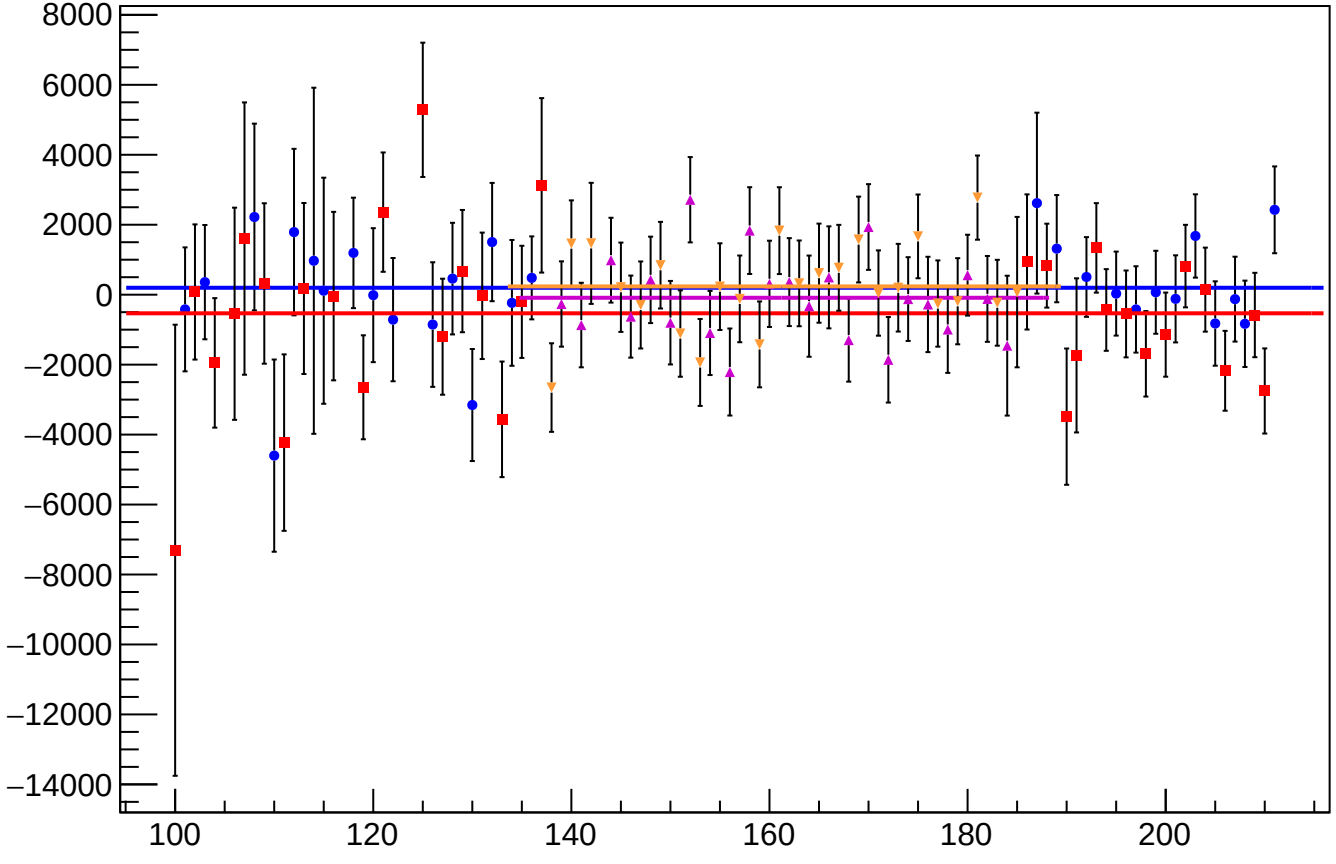
Left In: 551.335+/-0.093 χ^2/NDF:1061731.9/22

+ sign 557.898+/-0.070 χ^2/NDF: 4907371.0/51

All: 561.526+/-0.049 χ^2/NDF: 10695614.7/10

- sign 565.166+/-0.070 χ^2/NDF: 5782820.2/54

eigen_cor_asym_usl_atl1_dd_mean vs Slug



Right In: 197.963+/-286.656 χ^2/NDF: 18.5/27

Left Out: 236.642+/-259.669 χ^2/NDF:22.7/23

Right Out: -532.329+/-280.007 χ^2/NDF: 39.7/31

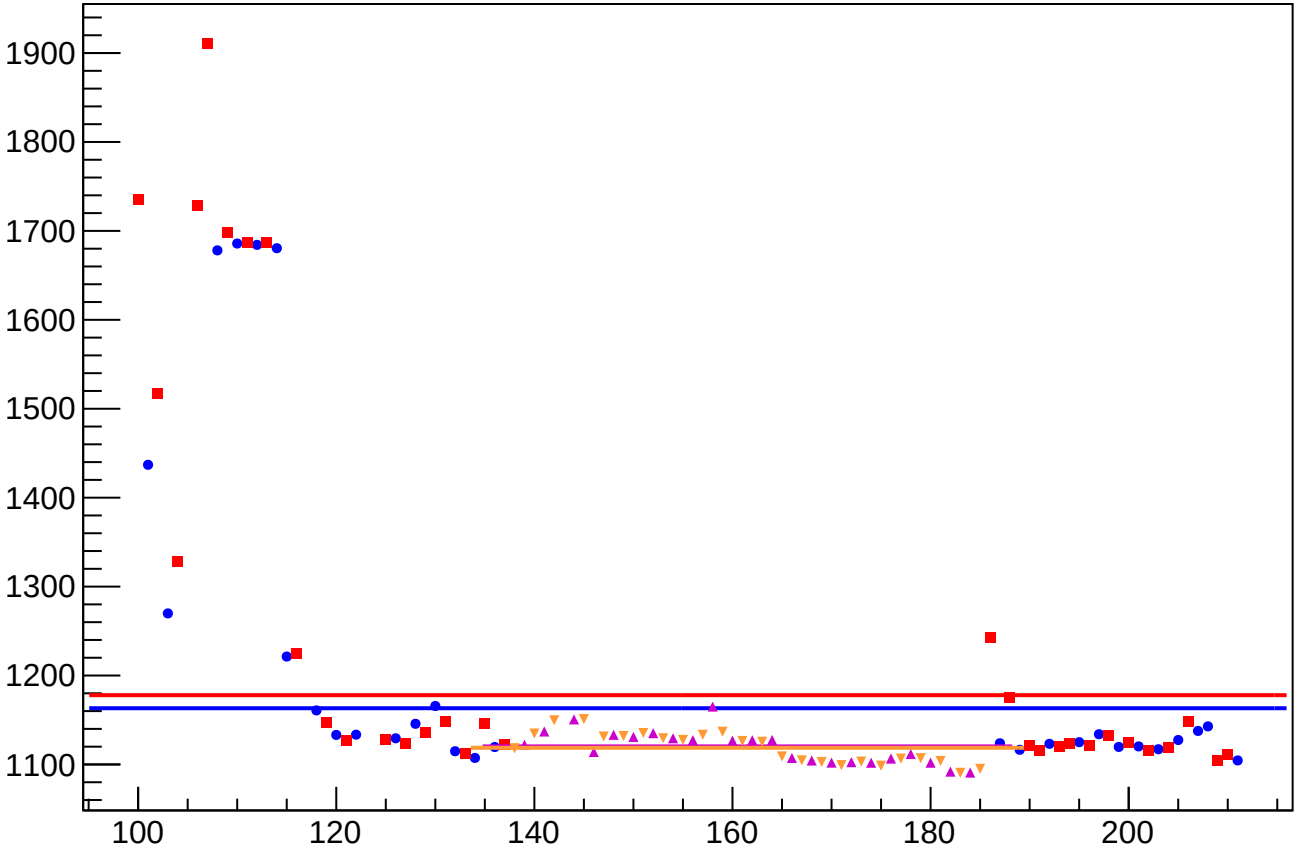
Left In: -88.370+/-261.602 χ^2/NDF:20.9/22

+ sign 219.208+/-192.449 χ^2/NDF: 41.2/51

All: -39.769+/-135.623 χ^2/NDF: 106.7/106

- sign -295.280+/-191.156 χ^2/NDF: 61.9/54

eigen_cor_asym_usl_atl1_dd_rms vs Slug



Right In: 1163.224+/-0.203 χ^2/NDF: 353322.6/27

Left Out: 1118.733+/-0.184 χ^2/NDF:8205.0/23

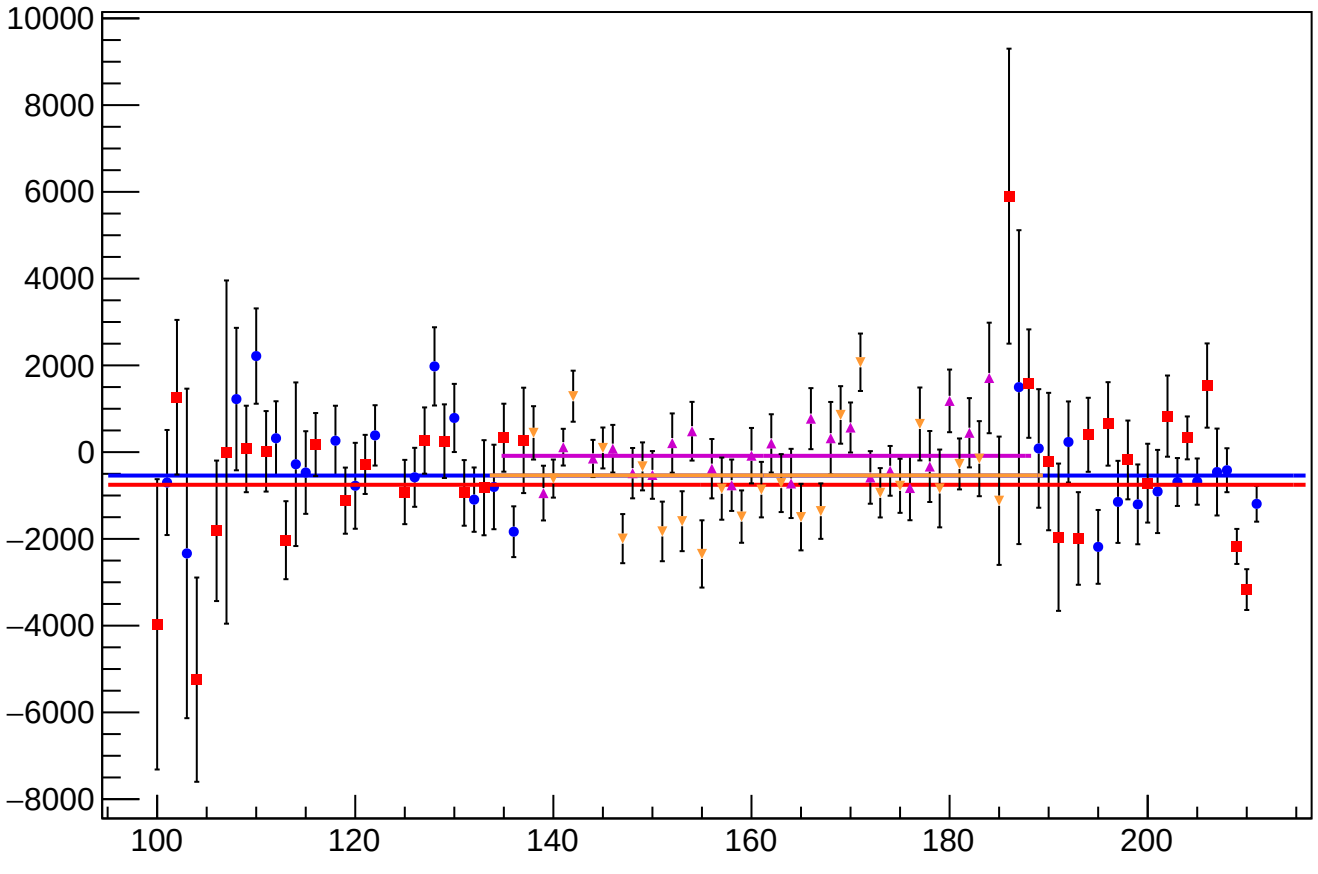
Right Out: 1177.923+/-0.198 χ^2/NDF: 560885.7/31

Left In: 1120.308+/-0.185 χ^2/NDF:9479.7/22

+ sign 1138.786+/-0.136 χ^2/NDF: 387990.7/51

All: 1143.001+/-0.096 χ^2/NDF: 1005473.3/10

- sign 1147.160+/-0.135 χ^2/NDF: 615576.6/54



Right In: -540.005+/-150.300 χ^2/NDF: 36.5/27

Left Out: -535.930+/-130.646 χ^2/NDF:61.6/23

Right Out: -752.738+/-150.438 χ^2/NDF: 83.6/31

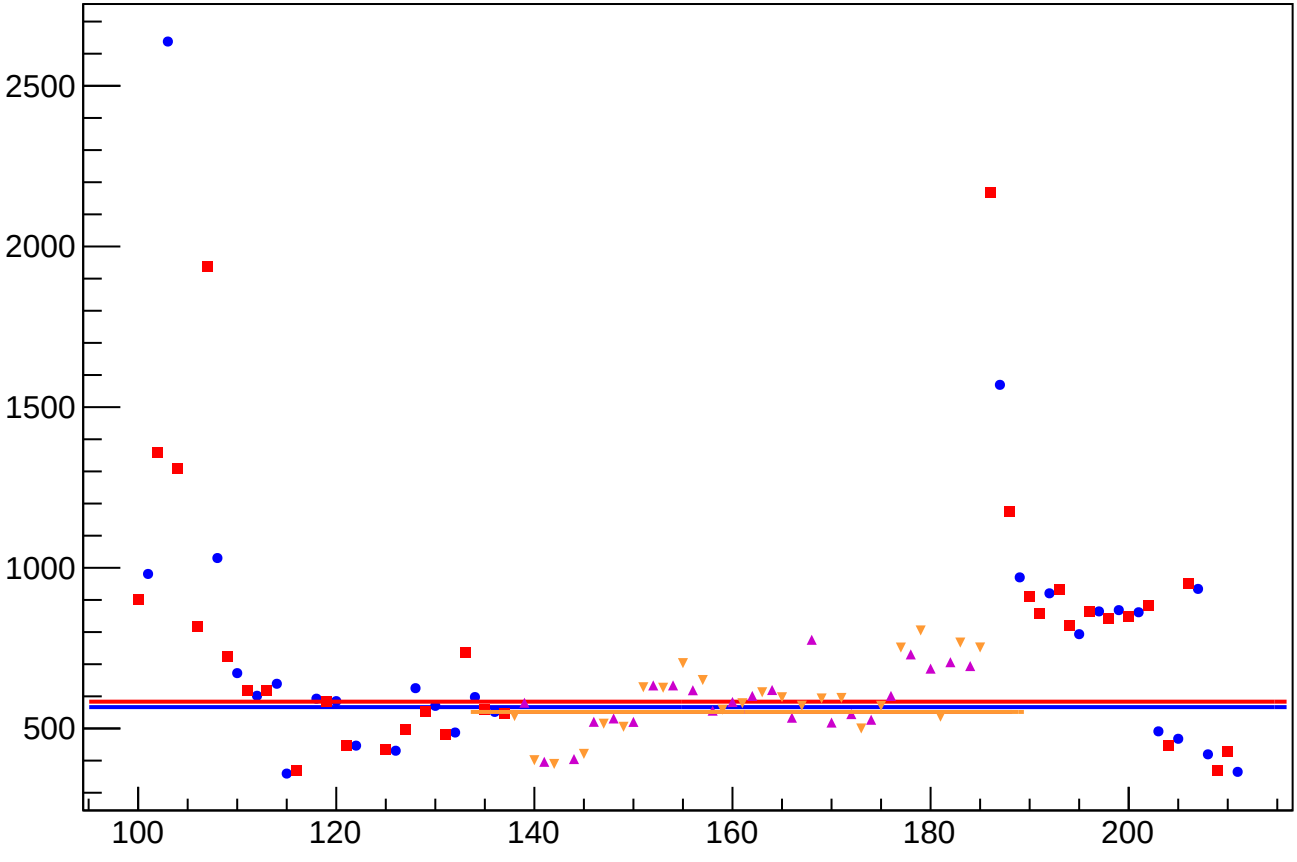
Left In: -85.243+/-130.966 χ^2/NDF:17.1/22

+ sign -537.683+/-98.602 χ^2/NDF: 98.0/51

All: -455.499+/-69.785 χ^2/NDF: 211.3/106

- sign -373.021+/-98.779 χ^2/NDF: 111.9/54

asym_usl_atl1_dd_eigen_cor_correction_rms vs Slug



Right In: 566.446+/-0.106 χ^2/NDF: 3669381.3/27

Left Out: 551.439+/-0.092 χ^2/NDF:1226632.2/23

Right Out: 583.415+/-0.106 χ^2/NDF: 4669352.7/31

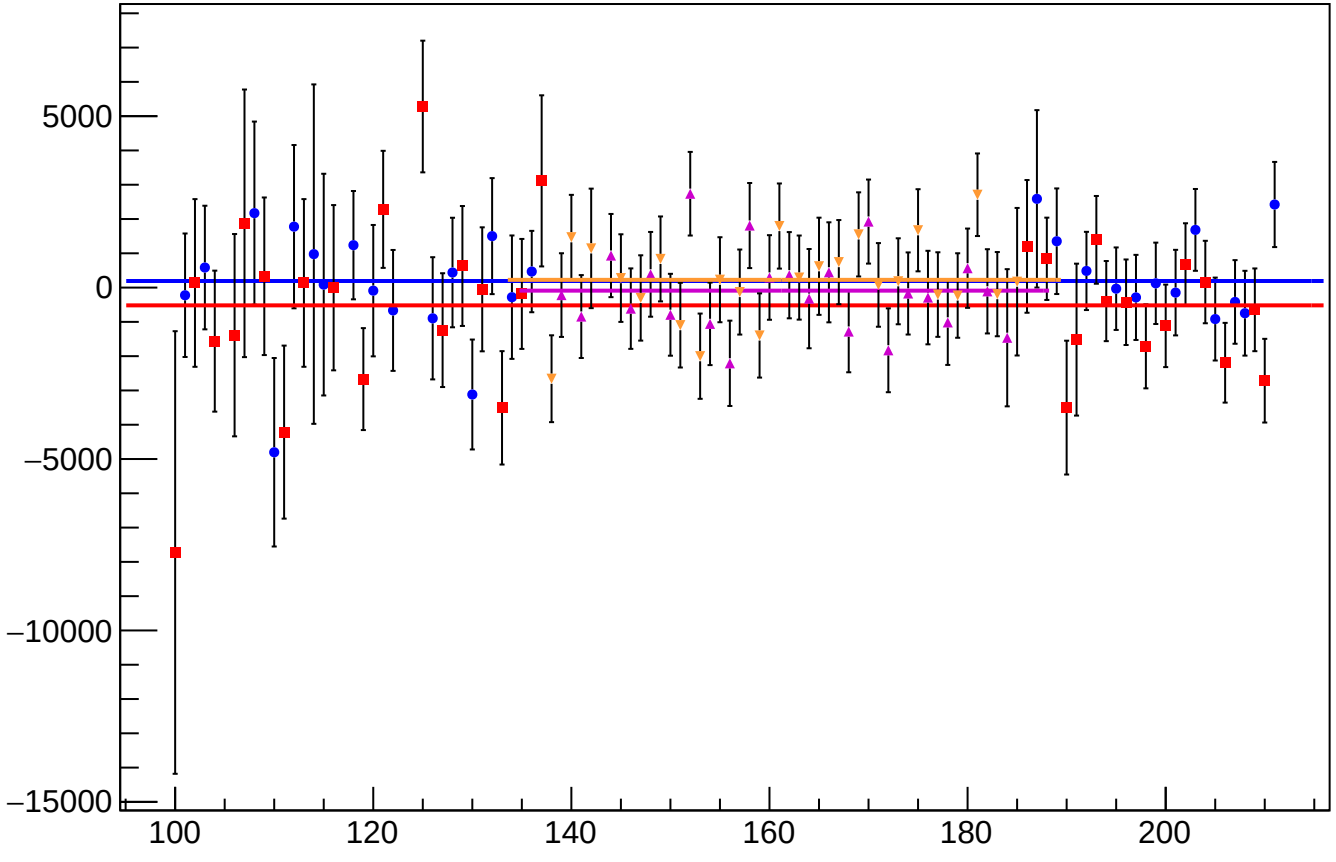
Left In: 551.335+/-0.093 χ^2/NDF:1061731.9/22

+ sign 557.898+/-0.070 χ^2/NDF: 4907371.0/51

All: 561.526+/-0.049 χ^2/NDF: 10695614.7/10

- sign 565.166+/-0.070 χ^2/NDF: 5782820.2/54

dit_asym_usl_atl1_dd_mean vs Slug



Right In: 192.200+/-288.028 χ^2/NDF: 18.7/27

Left Out: 225.663+/-259.829 χ^2/NDF:22.2/23

Right Out: -518.363+/-282.455 χ^2/NDF: 39.2/31

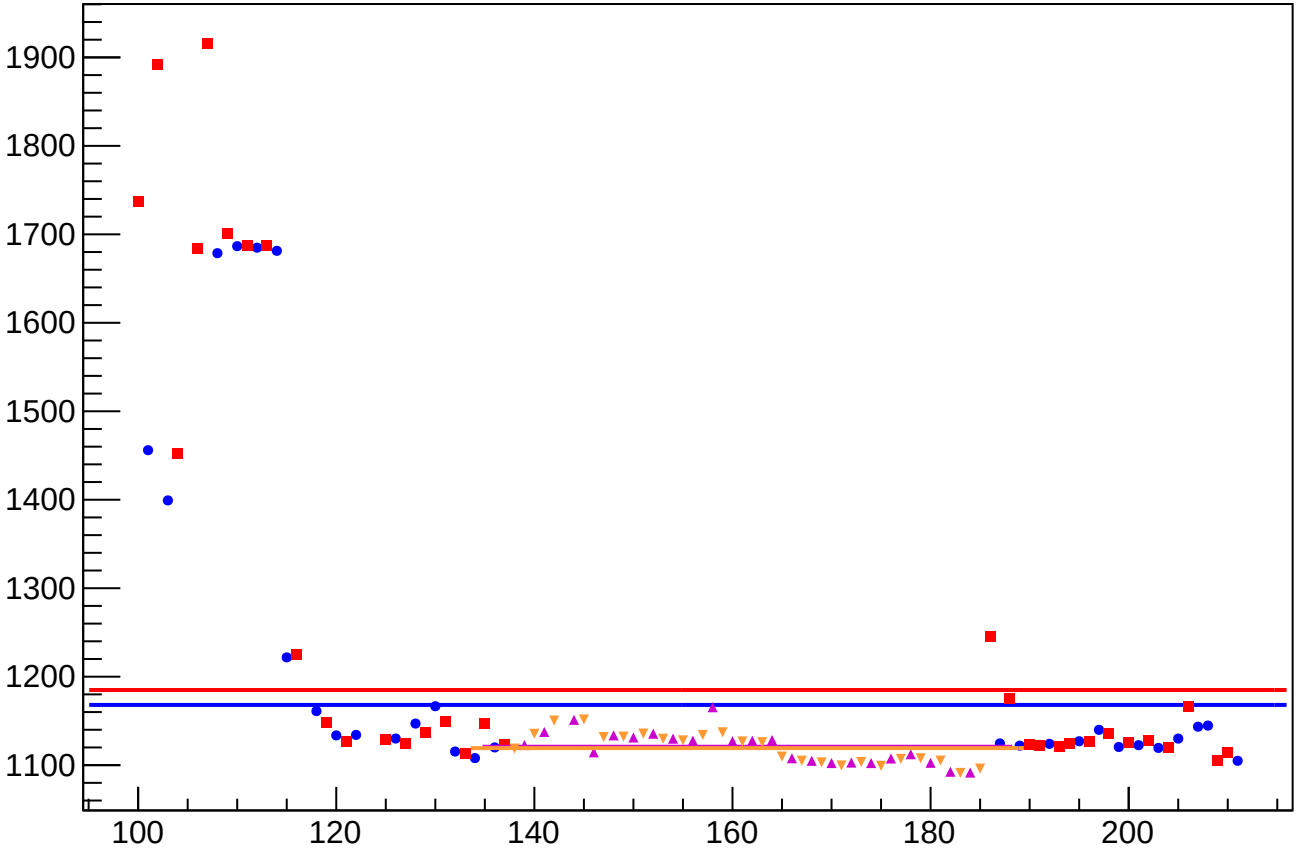
Left In: -89.078+/-261.717 χ^2/NDF:20.6/22

+ sign 210.649+/-192.928 χ^2/NDF: 40.9/51

All: -39.601+/-136.083 χ^2/NDF: 105.2/106

- sign -287.385+/-191.975 χ^2/NDF: 61.0/54

dit_asym_usl_atl1_dd_rms vs Slug



Right In: 1168.086+/-0.204 χ^2/NDF: 381271.8/27

Left Out: 1119.258+/-0.184 χ^2/NDF:8143.3/23

Right Out: 1184.935+/-0.200 χ^2/NDF: 679814.9/31

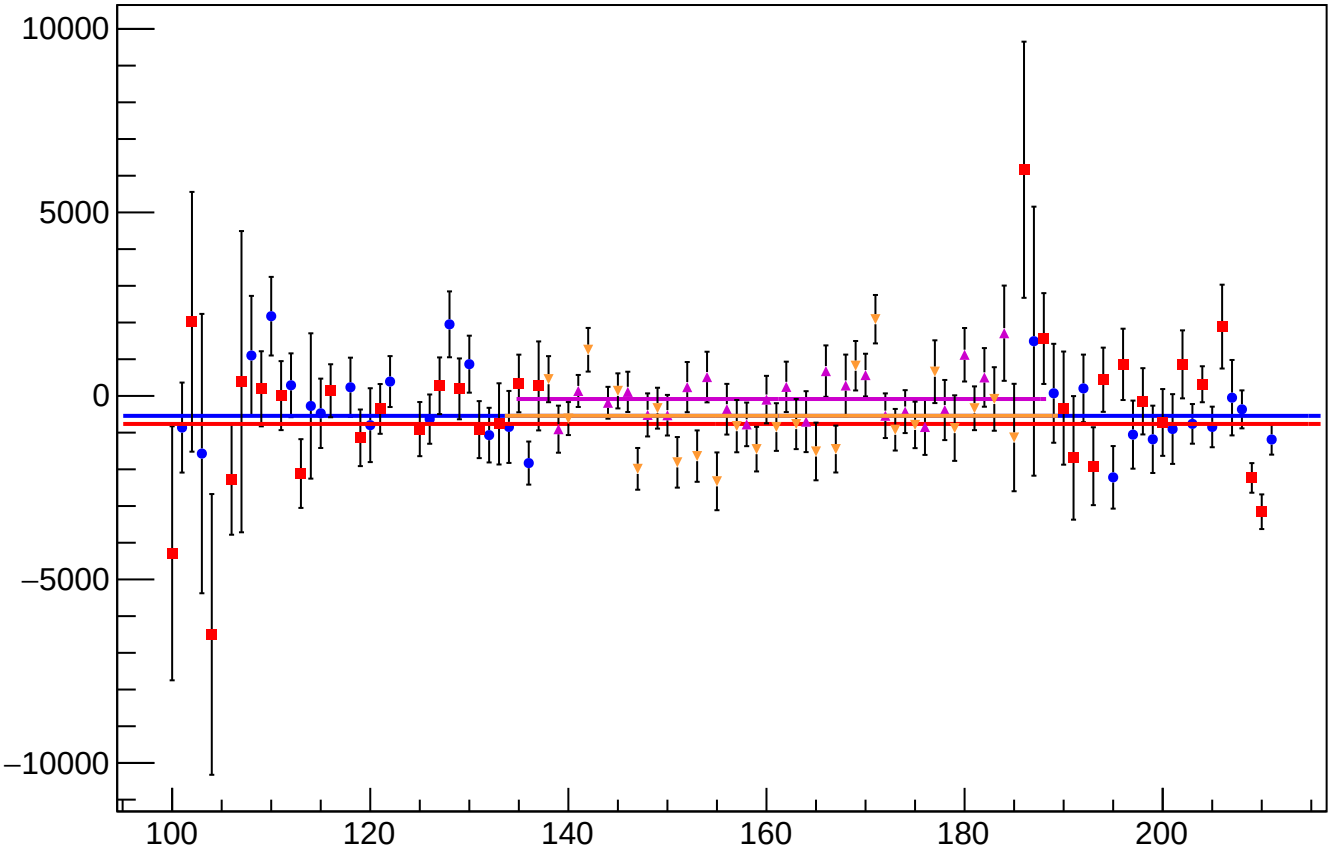
Left In: 1120.800+/-0.185 χ^2/NDF:9426.5/22

+ sign 1141.165+/-0.136 χ^2/NDF: 421104.3/51

All: 1145.819+/-0.096 χ^2/NDF: 1168142.2/10

- sign 1150.427+/-0.136 χ^2/NDF: 744721.9/54

asym_usl_atl1_dd_dit_correction_mean vs Slug



Right In: -543.072+/-150.660 χ^2/NDF: 37.0/27

Left Out: -541.592+/-132.012 χ^2/NDF:60.9/23

Right Out: -763.461+/-151.812 χ^2/NDF: 83.1/31

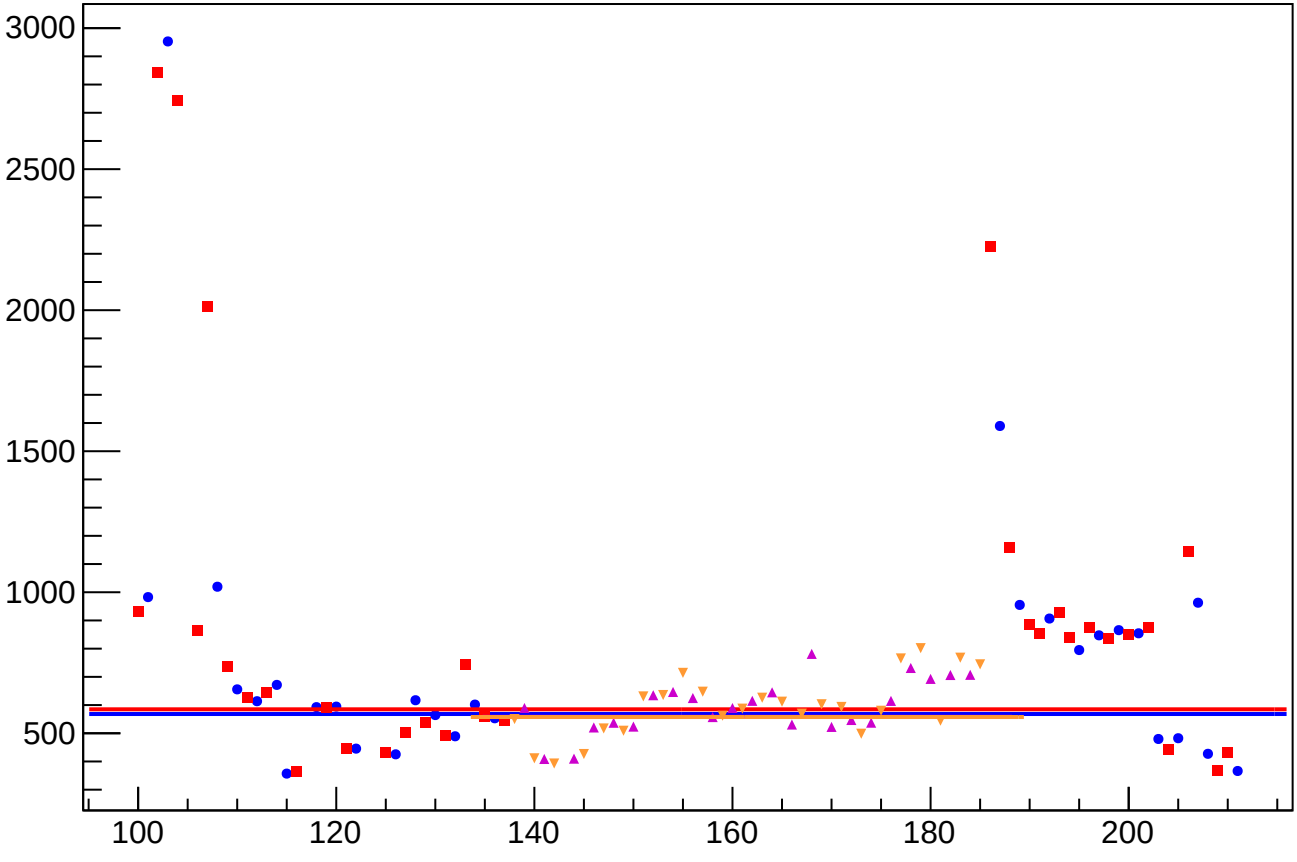
Left In: -84.122+/-132.548 χ^2/NDF:16.4/22

+ sign -542.235+/-99.289 χ^2/NDF: 97.9/51

All: -460.567+/-70.404 χ^2/NDF: 210.1/106

- sign -377.980+/-99.846 χ^2/NDF: 110.9/54

asym_usl_atl1_dd_dit_correction_rms vs Slug



Right In: 568.276+/-0.107 χ^2/NDF: 3810770.9/27

Left Out: 557.592+/-0.093 χ^2/NDF:1193270.2/23

Right Out: 584.956+/-0.107 χ^2/NDF: 5805873.1/31

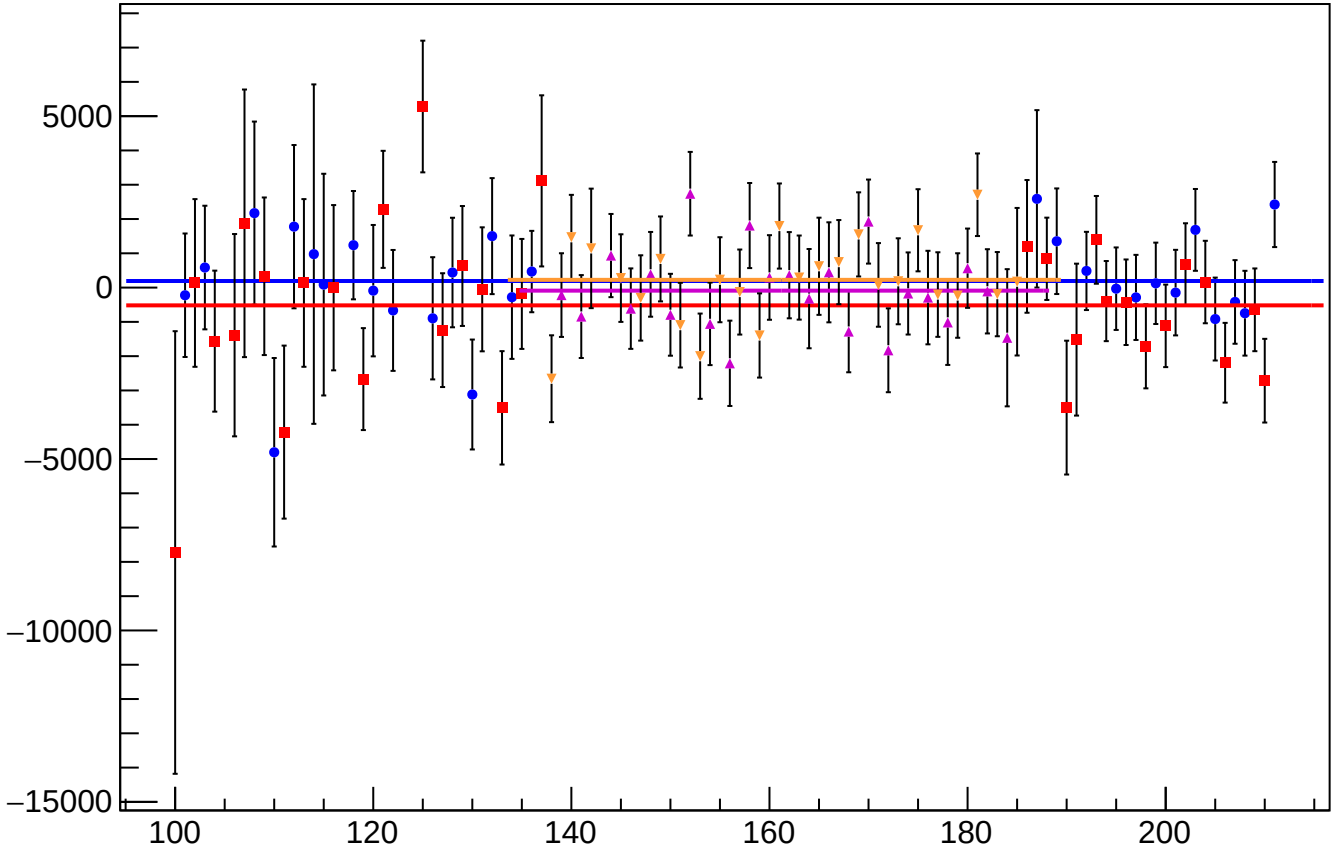
Left In: 558.393+/-0.094 χ^2/NDF:1027814.4/22

+ sign 562.232+/-0.070 χ^2/NDF: 5009730.7/51

All: 566.036+/-0.050 χ^2/NDF: 11884068.4/10

- sign 569.883+/-0.071 χ^2/NDF: 6868432.5/54

eigen_dit_asym_usl_atl1_dd_mean vs Slug



Right In: 192.202+/-288.028 χ^2/NDF: 18.7/27

Left Out: 225.661+/-259.829 χ^2/NDF:22.2/23

Right Out: -518.362+/-282.455 χ^2/NDF: 39.2/31

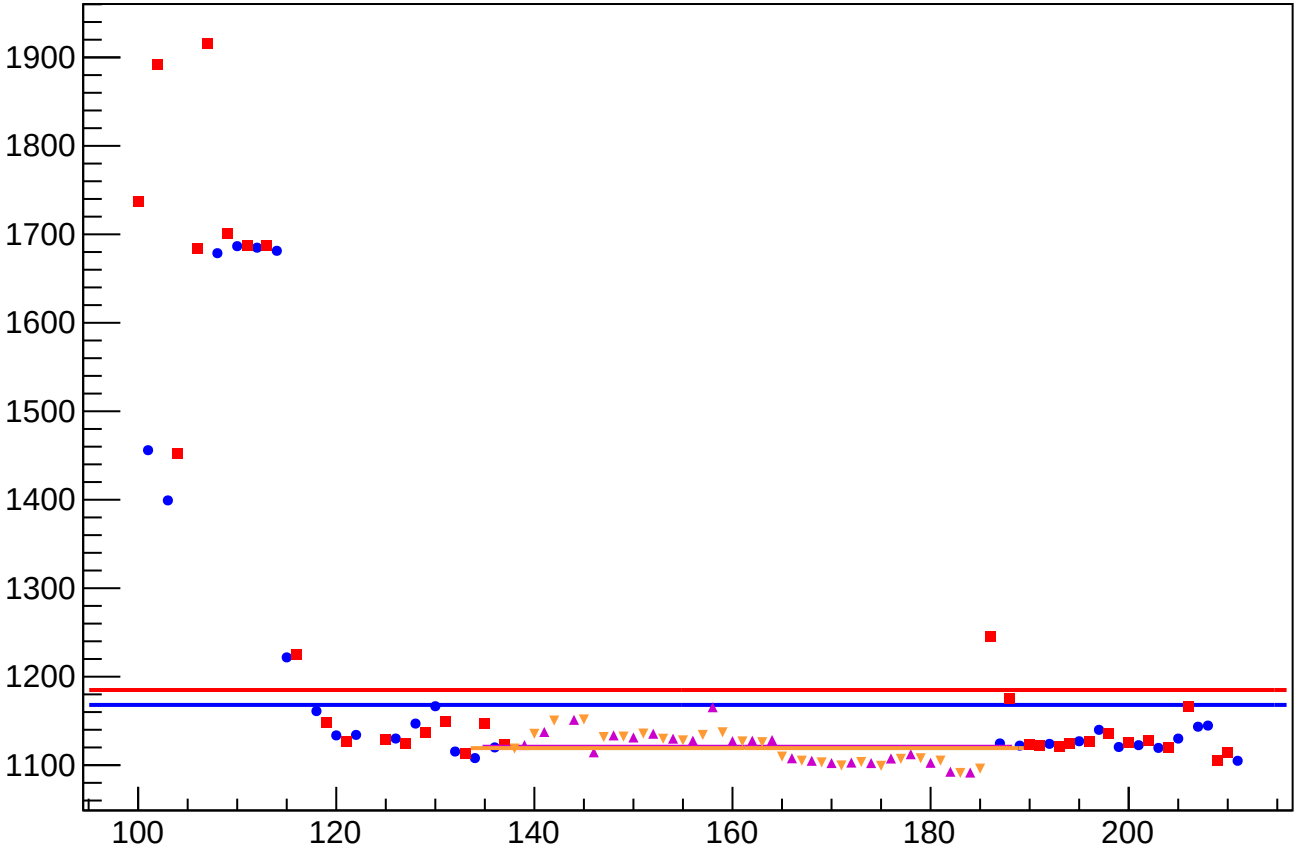
Left In: -89.079+/-261.717 χ^2/NDF:20.6/22

+ sign 210.649+/-192.928 χ^2/NDF: 40.9/51

All: -39.601+/-136.083 χ^2/NDF: 105.2/106

- sign -287.384+/-191.975 χ^2/NDF: 61.0/54

eigen_dit_asym_usl_atl1_dd_rms vs Slug



Right In: 1168.086+/-0.204 χ^2/NDF: 381271.3/27

Left Out: 1119.258+/-0.184 χ^2/NDF:8143.3/23

Right Out: 1184.935+/-0.200 χ^2/NDF: 679814.2/31

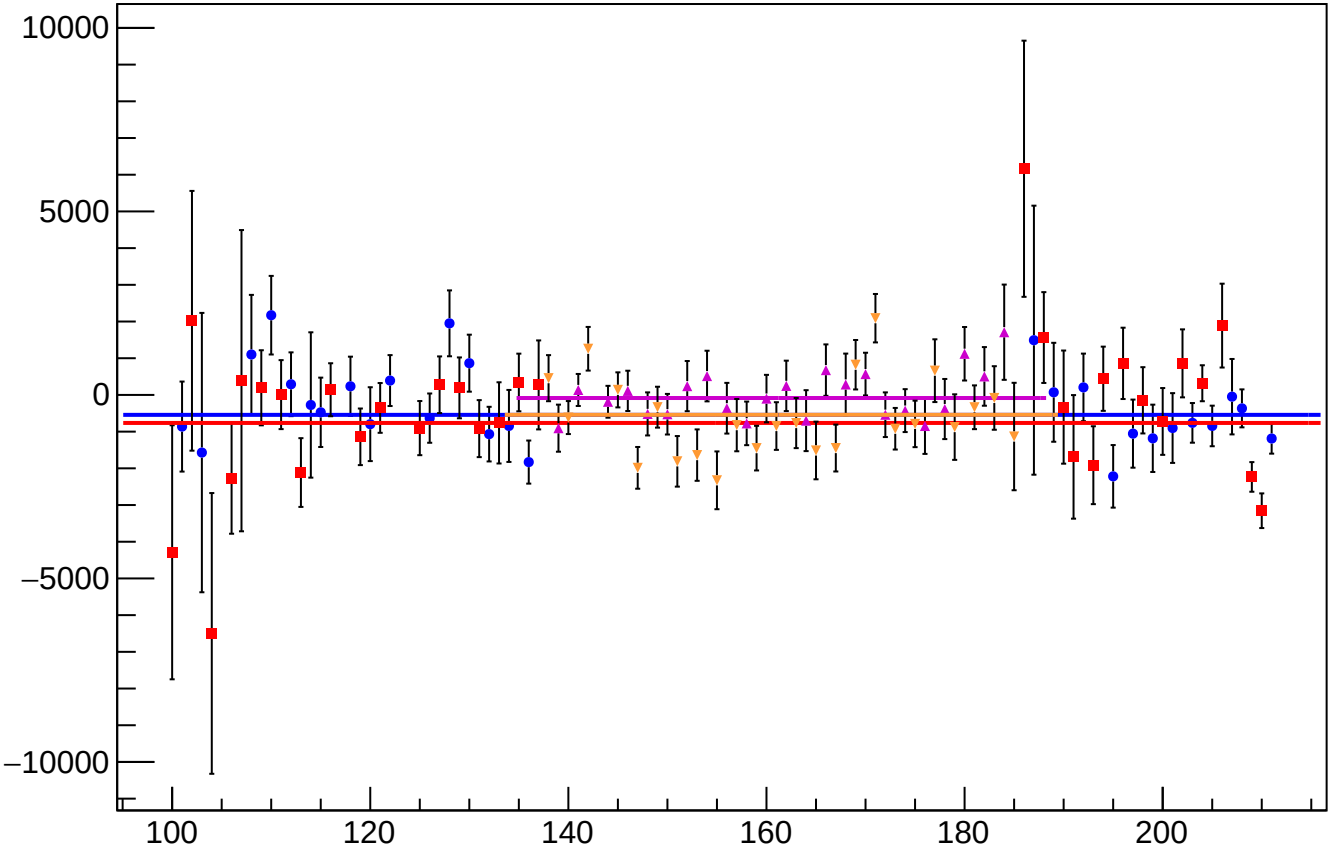
Left In: 1120.800+/-0.185 χ^2/NDF:9426.5/22

+ sign 1141.165+/-0.136 χ^2/NDF: 421103.8/51

All: 1145.819+/-0.096 χ^2/NDF: 1168140.9/10

- sign 1150.427+/-0.136 χ^2/NDF: 744721.2/54

asym_usl_atl1_dd_eigen_dit_correction_mean vs Slug



Right In: -543.072+/-150.660 χ^2/NDF: 37.0/27

Left Out: -541.591+/-132.012 χ^2/NDF:60.9/23

Right Out: -763.461+/-151.812 χ^2/NDF: 83.1/31

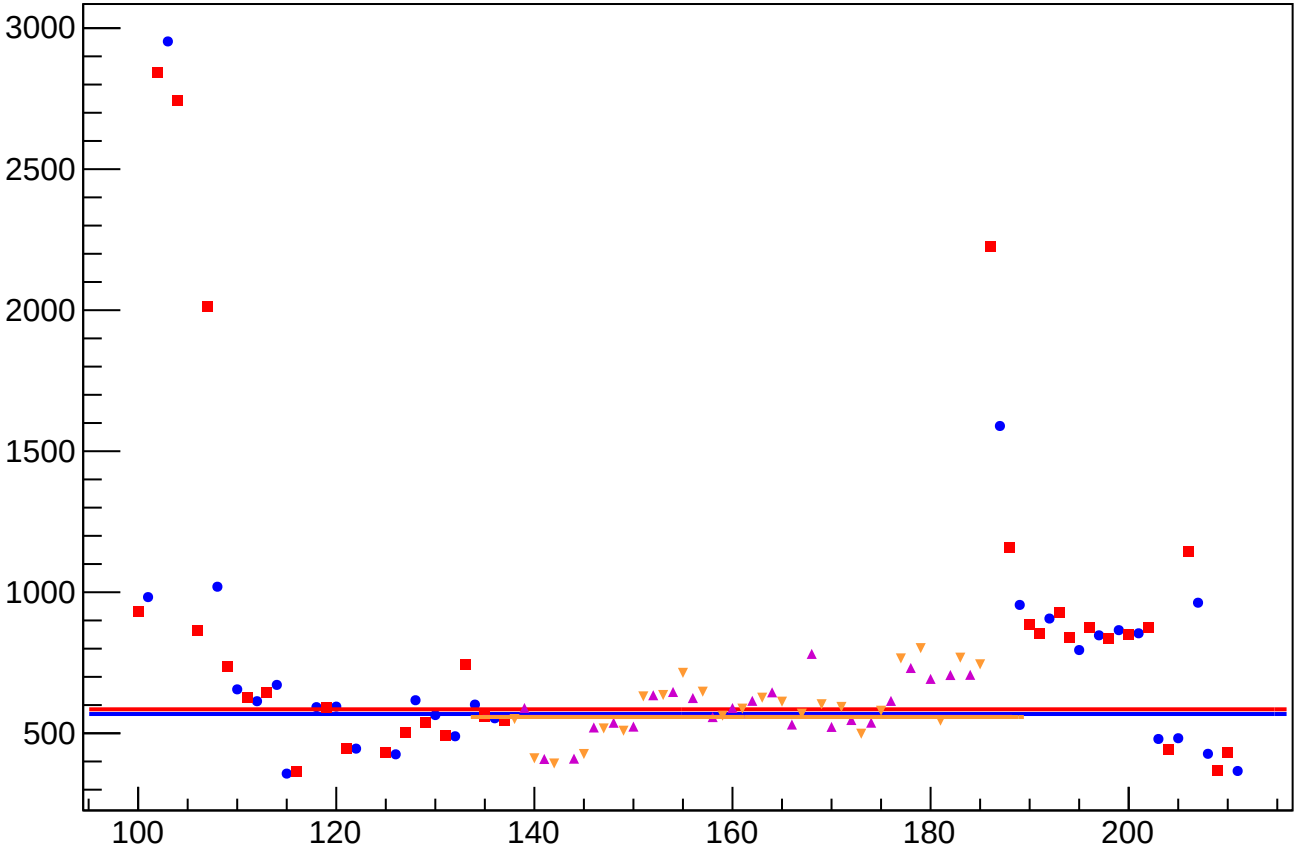
Left In: -84.122+/-132.548 χ^2/NDF:16.4/22

+ sign -542.234+/-99.289 χ^2/NDF: 97.9/51

All: -460.567+/-70.404 χ^2/NDF: 210.1/106

- sign -377.980+/-99.846 χ^2/NDF: 110.9/54

asym_usl_atl1_dd_eigen_dit_correction_rms vs Slug



Right In: 568.275+/-0.107 χ^2/NDF: 3810773.1/27

Left Out: 557.591+/-0.093 χ^2/NDF:1193291.2/23

Right Out: 584.956+/-0.107 χ^2/NDF: 5805880.5/31

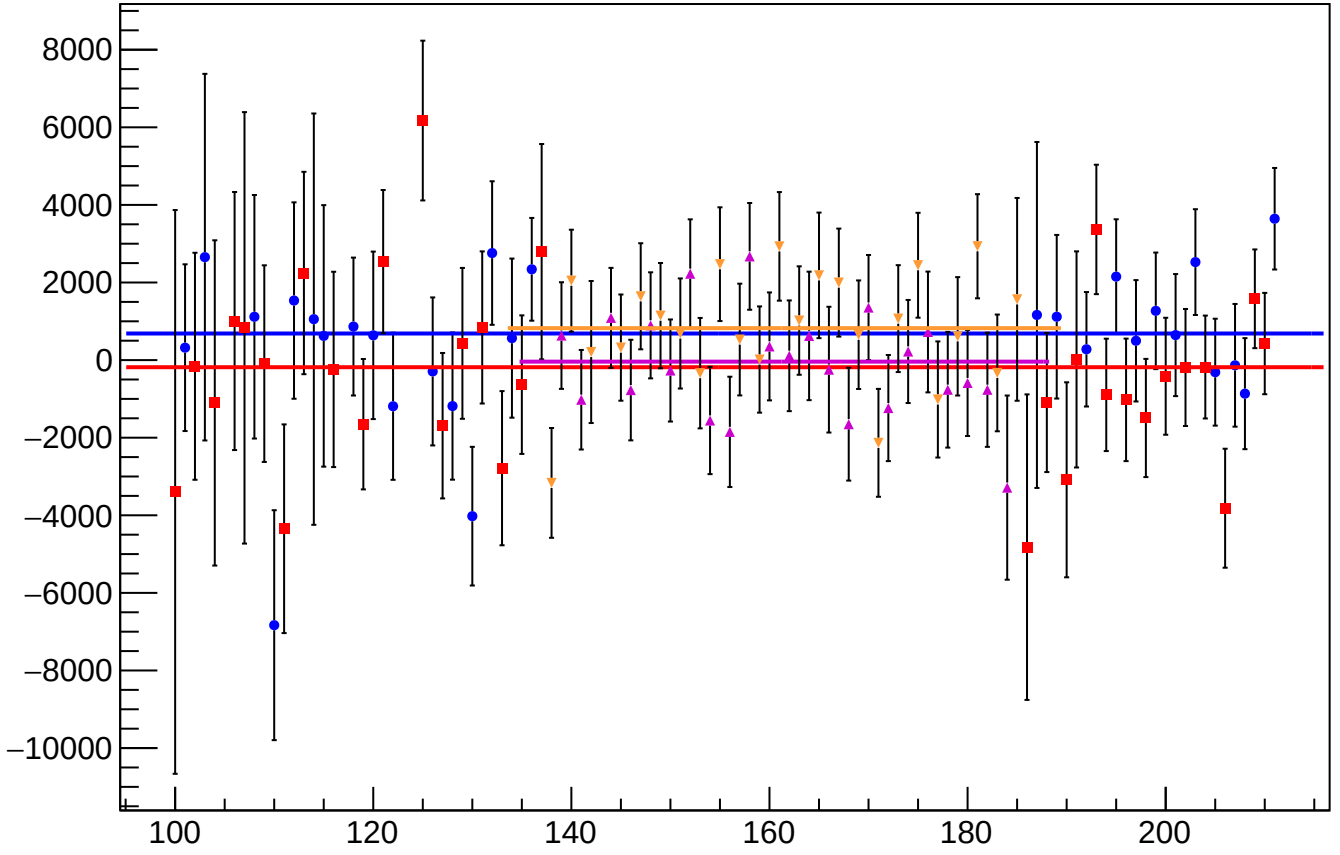
Left In: 558.392+/-0.094 χ^2/NDF:1027828.9/22

+ sign 562.231+/-0.070 χ^2/NDF: 5009754.3/51

All: 566.036+/-0.050 χ^2/NDF: 11884114.9/10

- sign 569.883+/-0.071 χ^2/NDF: 6868455.3/54

asym_usl_atl1_dd_mean vs Slug



Right In: 685.467+/-342.645 χ^2/NDF: 28.9/27

Left Out: 823.319+/-294.835 χ^2/NDF:26.2/23

Right Out: -183.436+/-338.788 χ^2/NDF: 36.7/31

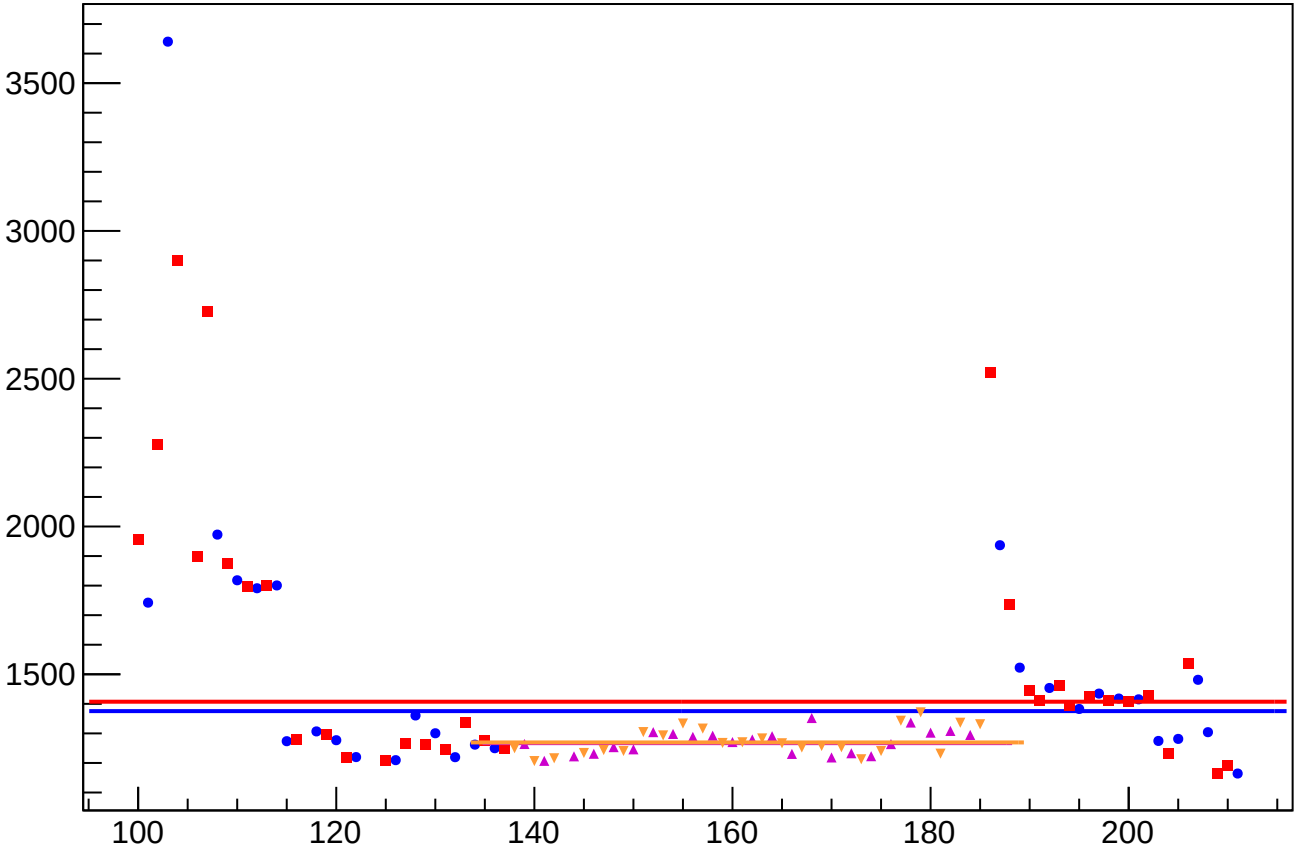
Left In: -39.696+/-296.006 χ^2/NDF:17.9/22

+ sign 764.674+/-223.488 χ^2/NDF: 55.2/51

All: 330.251+/-157.825 χ^2/NDF: 117.4/106

- sign -101.922+/-222.909 χ^2/NDF: 54.6/54

asym_usl_atl1_dd_rms vs Slug



Right In: 1375.398+/-0.242 χ^2/NDF: 920375.6/27

Left Out: 1269.441+/-0.208 χ^2/NDF:43040.3/23

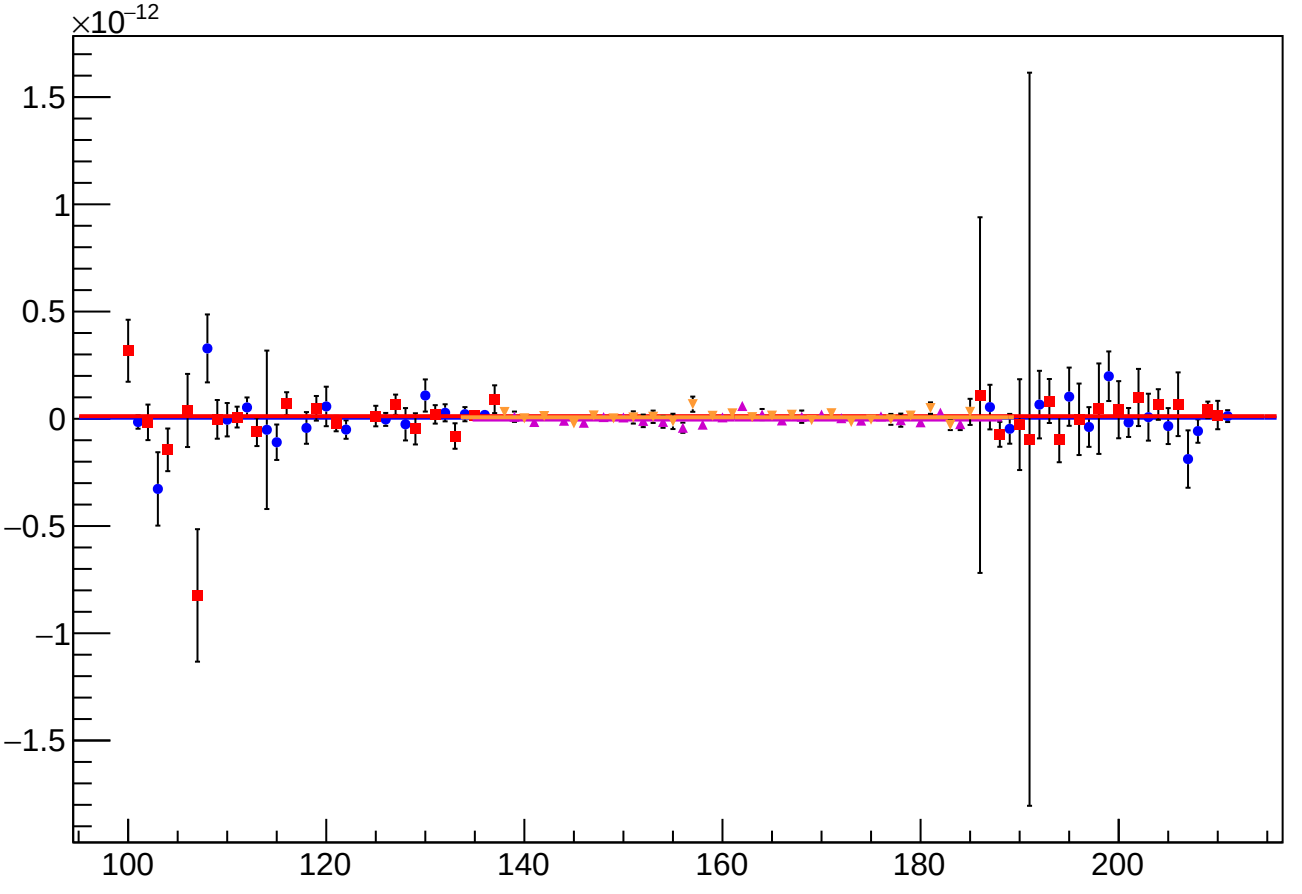
Right Out: 1407.219+/-0.240 χ^2/NDF: 1268564.1/31

Left In: 1267.066+/-0.209 χ^2/NDF:34547.0/22

+ sign 1314.517+/-0.158 χ^2/NDF: 1073304.4/51

All: 1321.145+/-0.112 χ^2/NDF: 2574027.1/10

- sign 1327.739+/-0.158 χ^2/NDF: 1497213.3/54



Right In: 0.000+/-0.000 χ^2/NDF: 25.2/27

Left Out: 0.000+/-0.000 χ^2/NDF:19.8/23

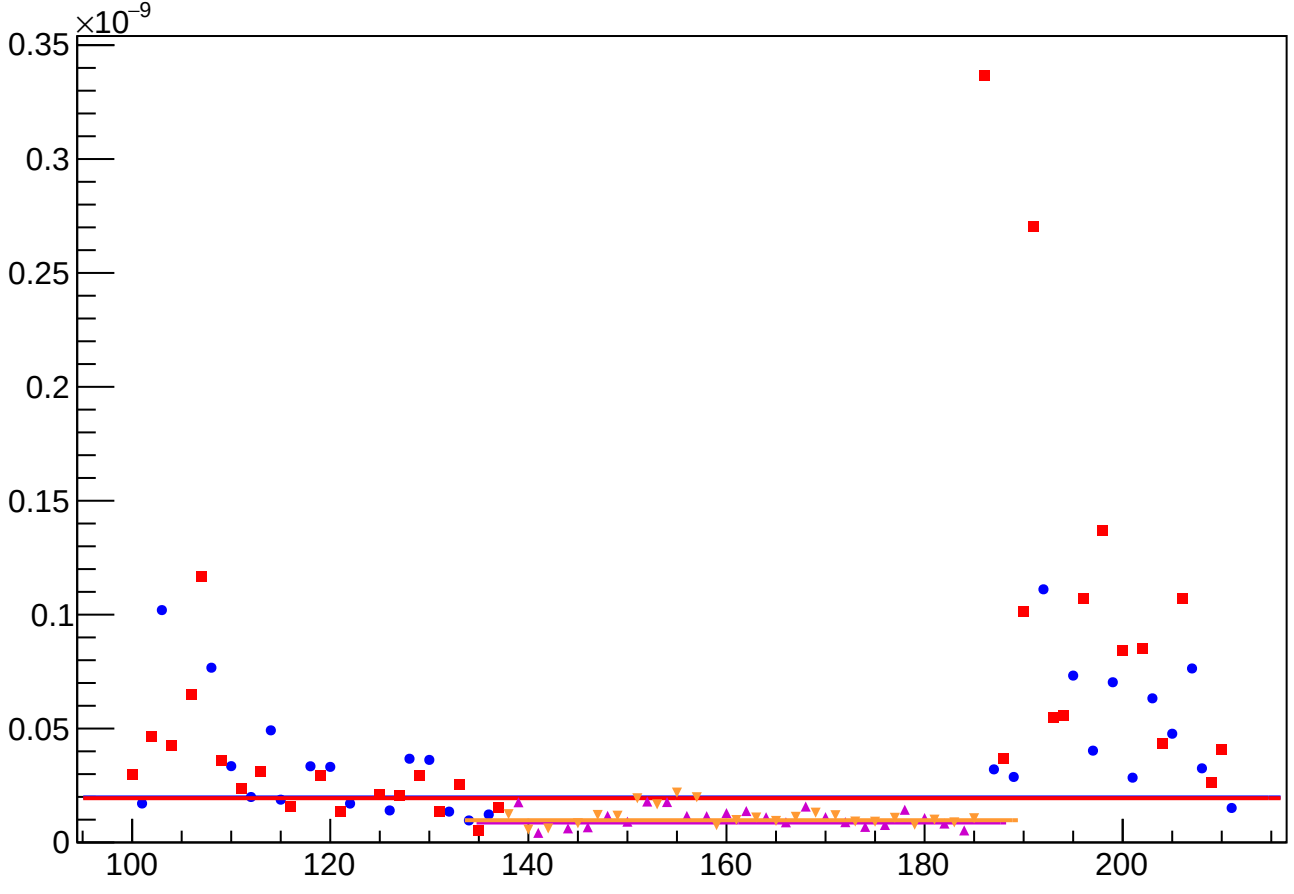
Right Out: 0.000+/-0.000 χ^2/NDF: 29.6/31

Left In: -0.000+/-0.000 χ^2/NDF:23.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 45.0/51

All: 0.000+/-0.000 χ^2/NDF: 102.5/106

- sign -0.000+/-0.000 χ^2/NDF: 54.9/54



Right In: 0.000+/-0.000 χ^2/NDF: 4361906.0/27

Left Out: 0.000+/-0.000 χ^2/NDF:1373738.7/23

Right Out: 0.000+/-0.000 χ^2/NDF: 7328353.3/31

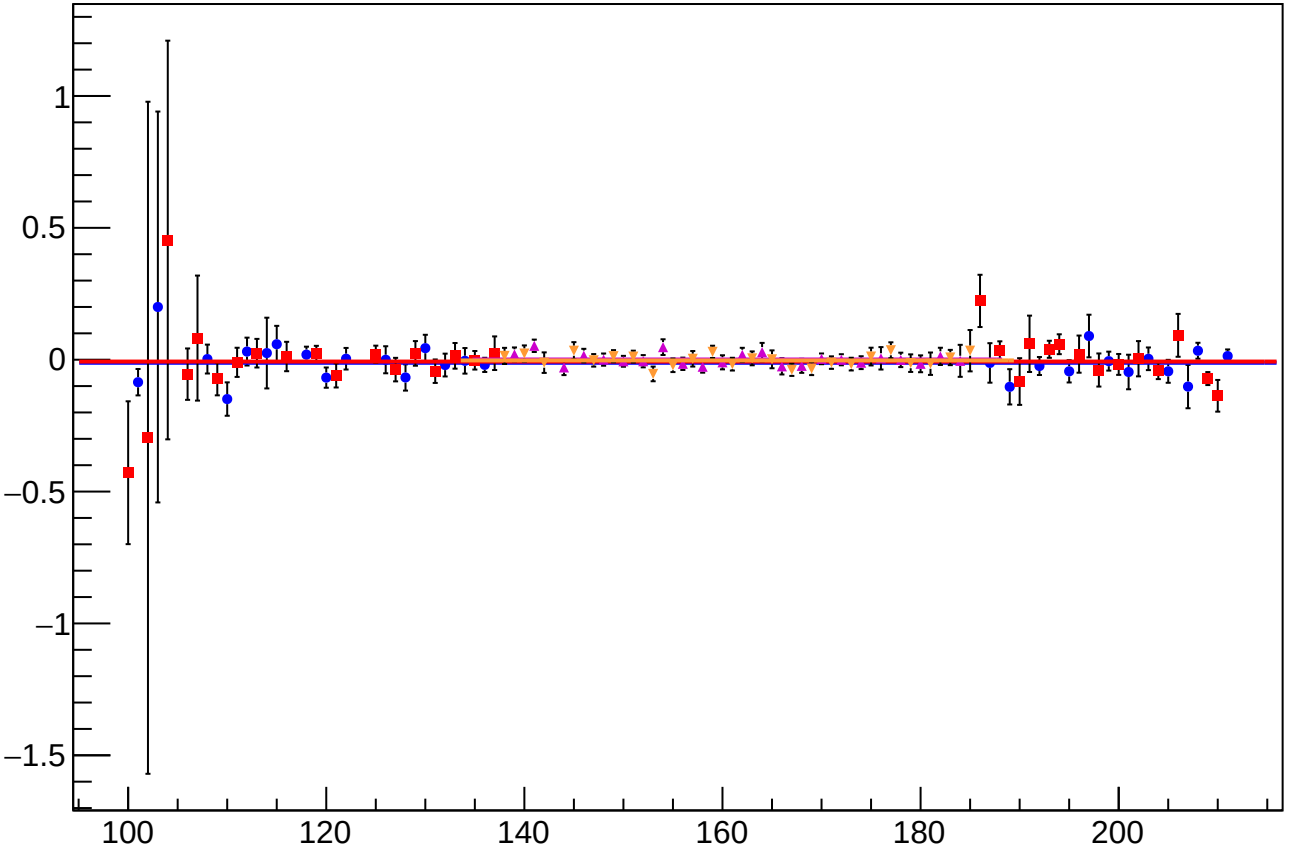
Left In: 0.000+/-0.000 χ^2/NDF:1928867.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 7642809.4/51

All: 0.000+/-0.000 χ^2/NDF: 19130386.0/106

- sign 0.000+/-0.000 χ^2/NDF: 11385820.2/54

asym_usl_atl1_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.012+/-0.008 χ^2/NDF: 24.4/27

Left Out: -0.003+/-0.006 χ^2/NDF:16.3/23

Right Out: -0.007+/-0.008 χ^2/NDF: 37.6/31

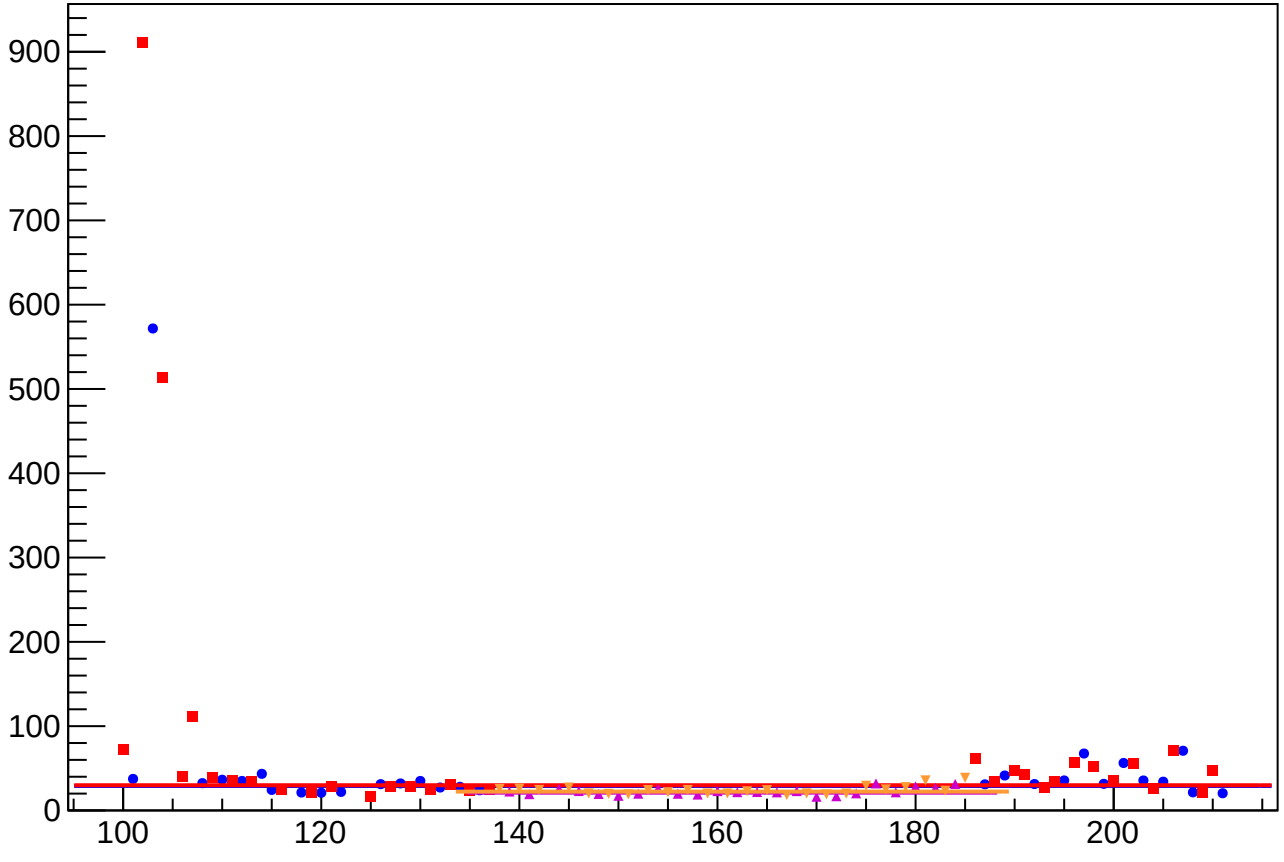
Left In: 0.001+/-0.005 χ^2/NDF:14.9/22

+ sign -0.006+/-0.005 χ^2/NDF: 41.5/51

All: -0.003+/-0.003 χ^2/NDF: 95.0/106

- sign -0.002+/-0.005 χ^2/NDF: 53.1/54

asym_usl_atl1_dd_dit_vs_cor_diff_rms vs Slug



Right In: 29.067+/-0.006 χ^2/NDF: 3504403.2/27

Left Out: 22.355+/-0.004 χ^2/NDF:816073.4/23

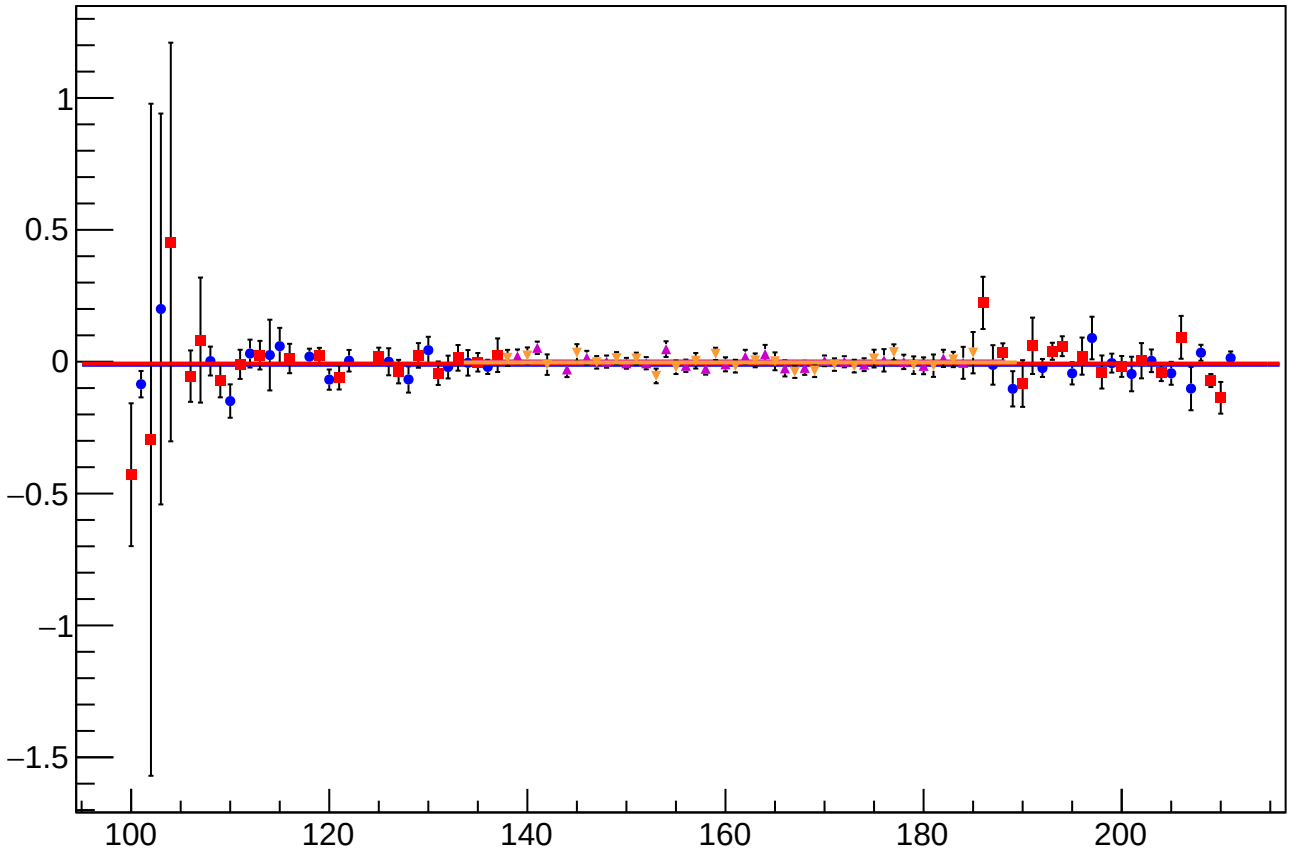
Right Out: 29.890+/-0.006 χ^2/NDF: 5033168.1/31

Left In: 21.099+/-0.004 χ^2/NDF:819255.8/22

+ sign 24.484+/-0.003 χ^2/NDF: 5204990.2/51

All: 24.081+/-0.002 χ^2/NDF: 12614321.1/106

- sign 23.696+/-0.003 χ^2/NDF: 7380509.7/54



Right In: -0.012+/-0.008 χ^2/NDF: 24.4/27

Left Out: -0.003+/-0.006 χ^2/NDF:16.3/23

Right Out: -0.007+/-0.008 χ^2/NDF: 37.6/31

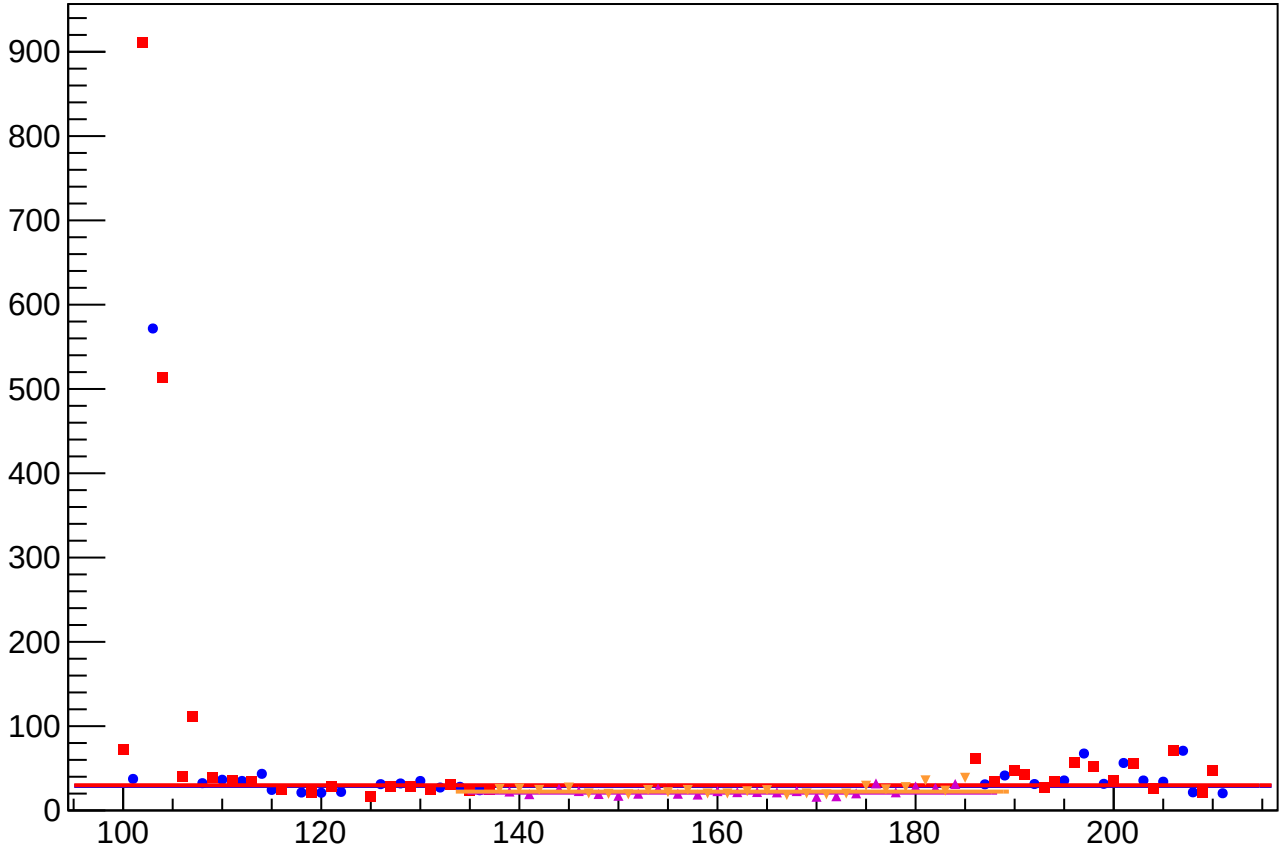
Left In: 0.001+/-0.005 χ^2/NDF:14.9/22

+ sign -0.006+/-0.005 χ^2/NDF: 41.5/51

All: -0.003+/-0.003 χ^2/NDF: 95.0/106

- sign -0.002+/-0.005 χ^2/NDF: 53.1/54

asym_usl_atl1_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 29.067+/-0.006 χ^2/NDF: 3504403.2/27

Left Out: 22.355+/-0.004 χ^2/NDF:816073.4/23

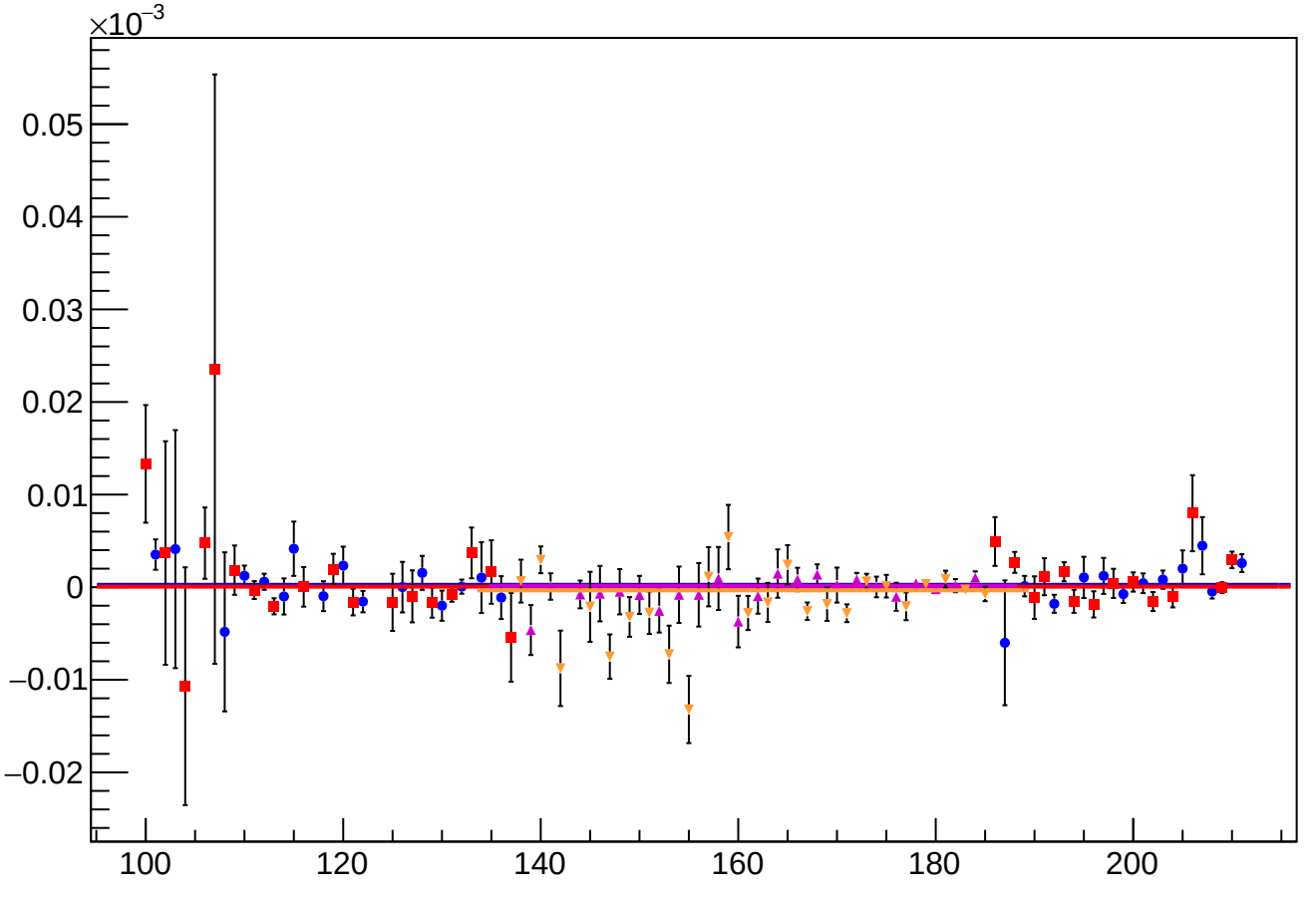
Right Out: 29.890+/-0.006 χ^2/NDF: 5033168.1/31

Left In: 21.099+/-0.004 χ^2/NDF:819255.8/22

+ sign 24.484+/-0.003 χ^2/NDF: 5204990.2/51

All: 24.081+/-0.002 χ^2/NDF: 12614321.1/106

- sign 23.696+/-0.003 χ^2/NDF: 7380509.7/54



Right In: 0.000+/-0.000 χ^2/NDF: 31.0/27

Left Out: -0.000+/-0.000 χ^2/NDF:68.1/23

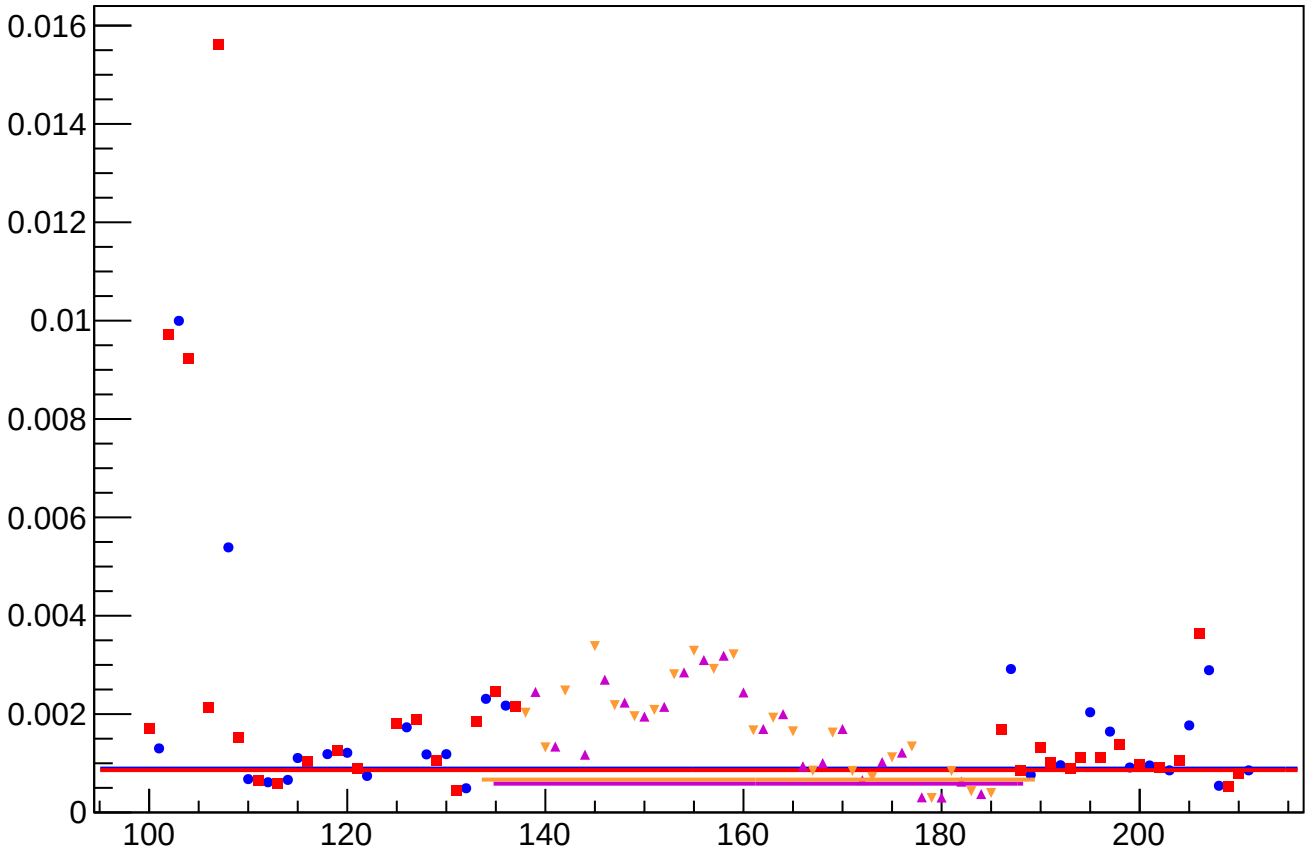
Right Out: 0.000+/-0.000 χ^2/NDF: 55.3/31

Left In: 0.000+/-0.000 χ^2/NDF:14.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 102.4/51

All: 0.000+/-0.000 χ^2/NDF: 173.0/106

- sign 0.000+/-0.000 χ^2/NDF: 69.6/54



Right In: 0.001+/-0.000 χ^2/NDF: 6615252.2/27

Left Out: 0.001+/-0.000 χ^2/NDF:15375915.0/23

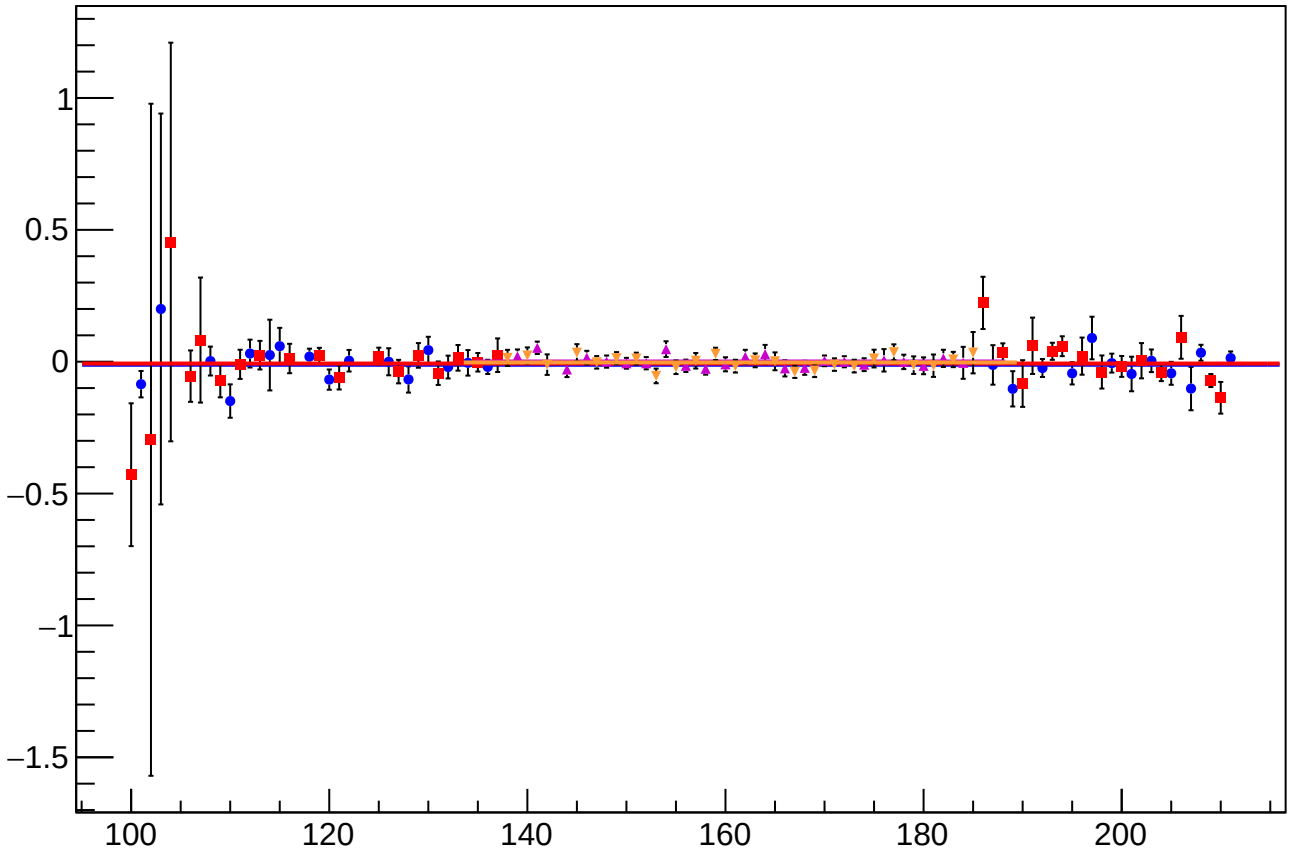
Right Out: 0.001+/-0.000 χ^2/NDF: 7391420.6/31

Left In: 0.001+/-0.000 χ^2/NDF:15658683.6/22

+ sign 0.001+/-0.000 χ^2/NDF: 22929442.1/51

All: 0.001+/-0.000 χ^2/NDF: 47789734.1/106

- sign 0.001+/-0.000 χ^2/NDF: 24664747.5/54



Right In: -0.012+/-0.008 χ^2/NDF: 24.4/27

Left Out: -0.003+/-0.006 χ^2/NDF:16.3/23

Right Out: -0.007+/-0.008 χ^2/NDF: 37.6/31

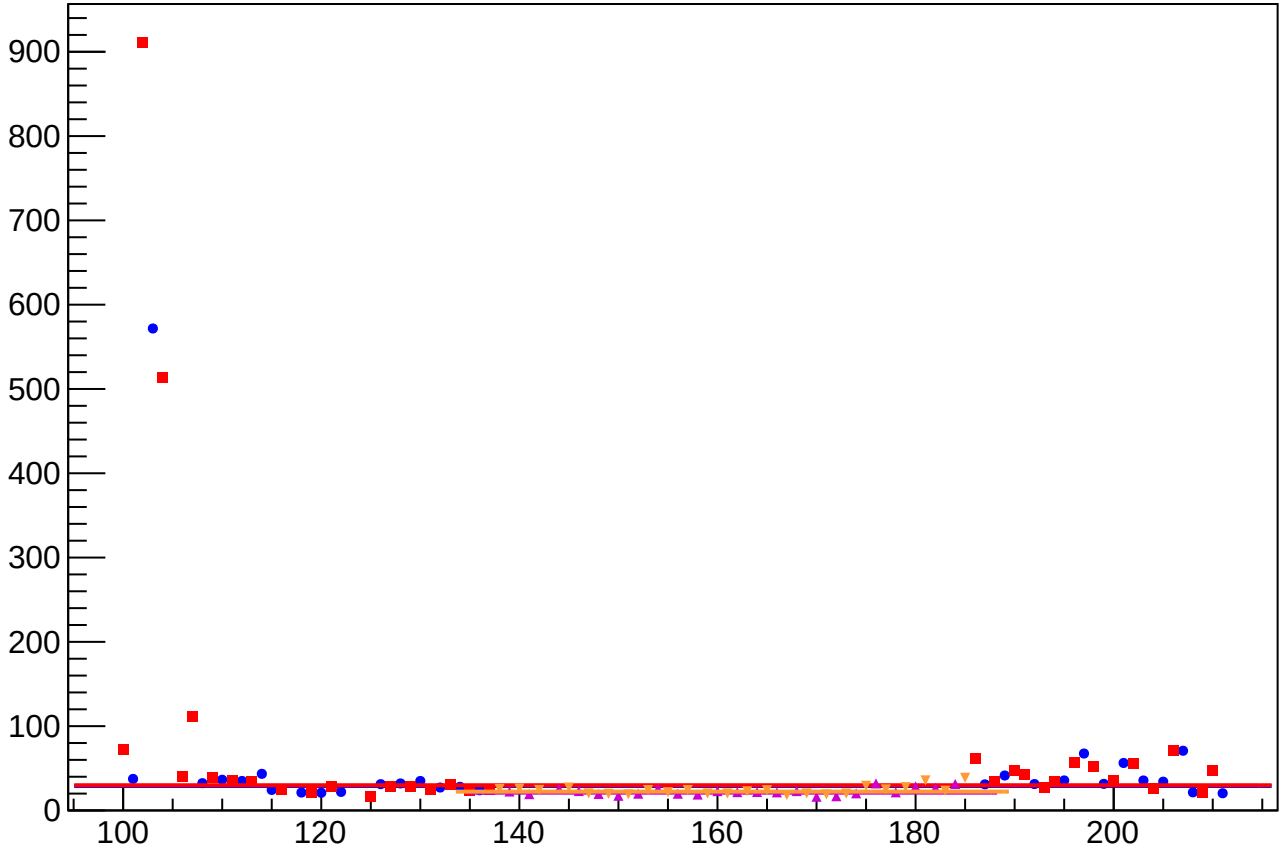
Left In: 0.001+/-0.005 χ^2/NDF:14.9/22

+ sign -0.006+/-0.005 χ^2/NDF: 41.5/51

All: -0.003+/-0.003 χ^2/NDF: 95.0/106

- sign -0.002+/-0.005 χ^2/NDF: 53.1/54

asym_usl_atl1_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 29.067+/-0.006 χ^2/NDF: 3504450.9/27

Left Out: 22.355+/-0.004 χ^2/NDF:816044.6/23

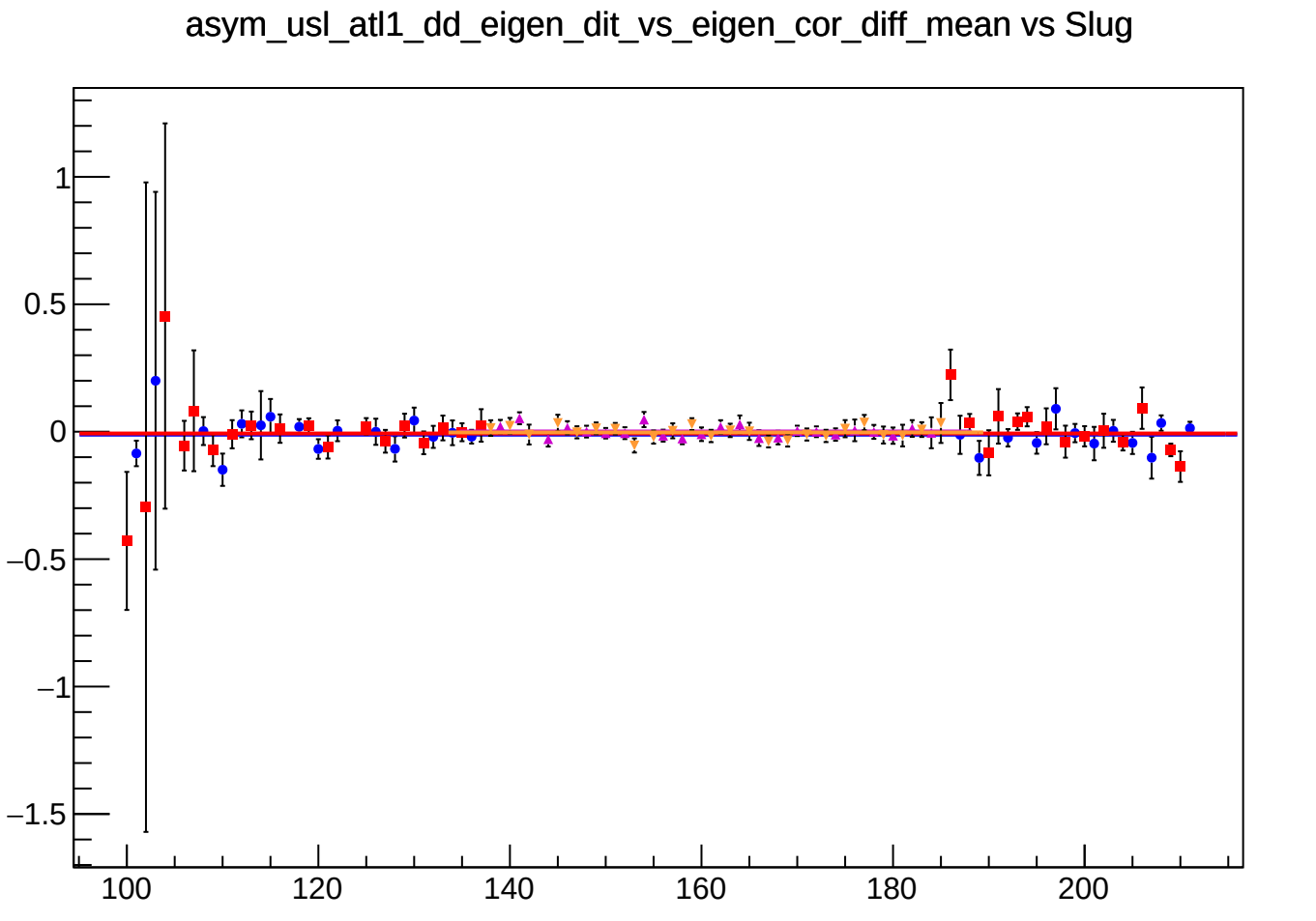
Right Out: 29.890+/-0.006 χ^2/NDF: 5033227.4/31

Left In: 21.099+/-0.004 χ^2/NDF:819268.9/22

+ sign 24.484+/-0.003 χ^2/NDF: 5205023.8/51

All: 24.081+/-0.002 χ^2/NDF: 12614443.1/106

- sign 23.696+/-0.003 χ^2/NDF: 7380599.5/54



Right In: -0.012+/-0.008 χ^2/NDF: 24.4/27

Left Out: -0.003+/-0.006 χ^2/NDF:16.3/23

Right Out: -0.007+/-0.008 χ^2/NDF: 37.6/31

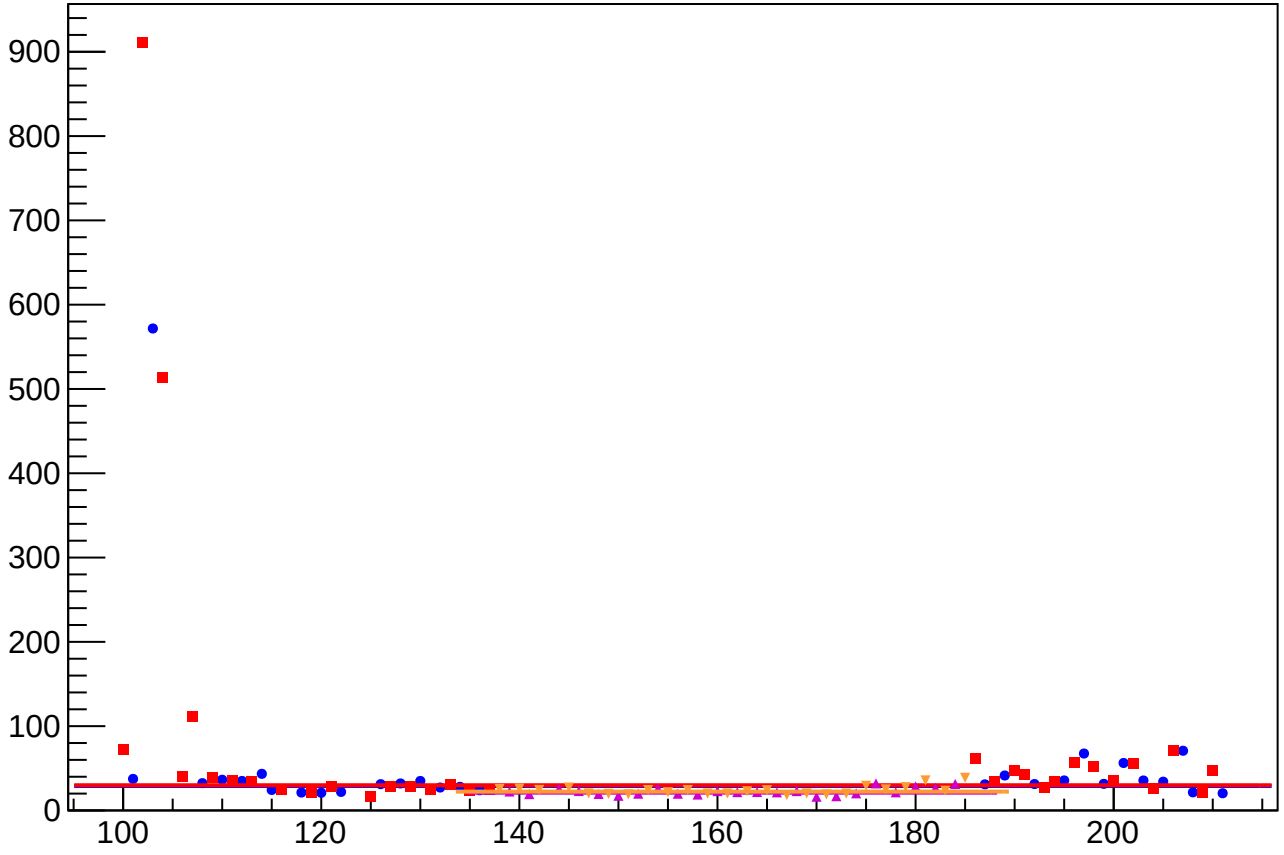
Left In: 0.001+/-0.005 χ^2/NDF:14.9/22

+ sign -0.006+/-0.005 χ^2/NDF: 41.5/51

All: -0.003+/-0.003 χ^2/NDF: 95.0/106

- sign -0.002+/-0.005 χ^2/NDF: 53.1/54

asym_usl_atl1_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 29.067+/-0.006 χ^2/NDF: 3504450.9/27

Left Out: 22.355+/-0.004 χ^2/NDF:816044.6/23

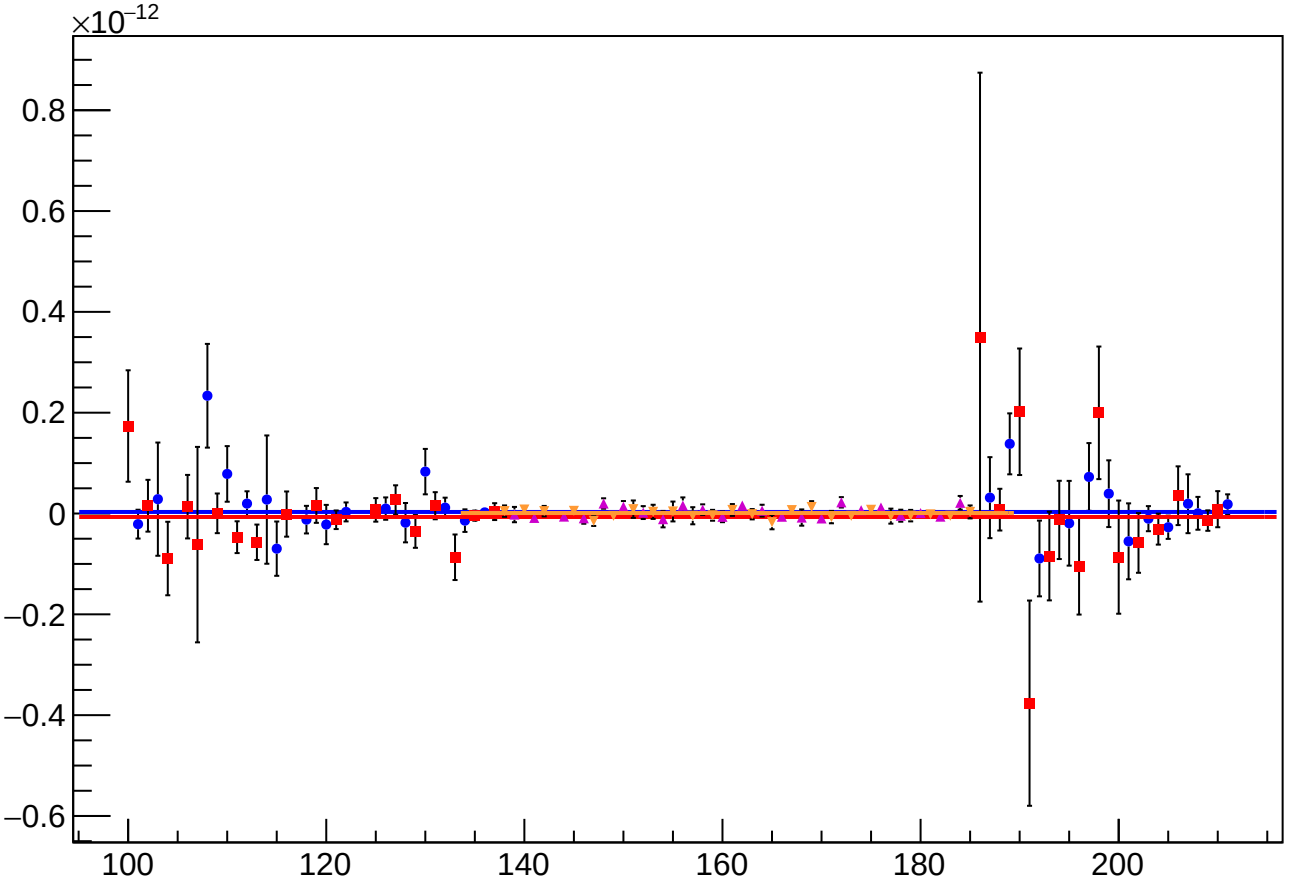
Right Out: 29.890+/-0.006 χ^2/NDF: 5033227.4/31

Left In: 21.099+/-0.004 χ^2/NDF:819268.9/22

+ sign 24.484+/-0.003 χ^2/NDF: 5205023.8/51

All: 24.081+/-0.002 χ^2/NDF: 12614443.1/106

- sign 23.696+/-0.003 χ^2/NDF: 7380599.5/54



Right In: 0.000+/-0.000 χ^2/NDF: 26.4/27

Left Out: 0.000+/-0.000 χ^2/NDF:11.6/23

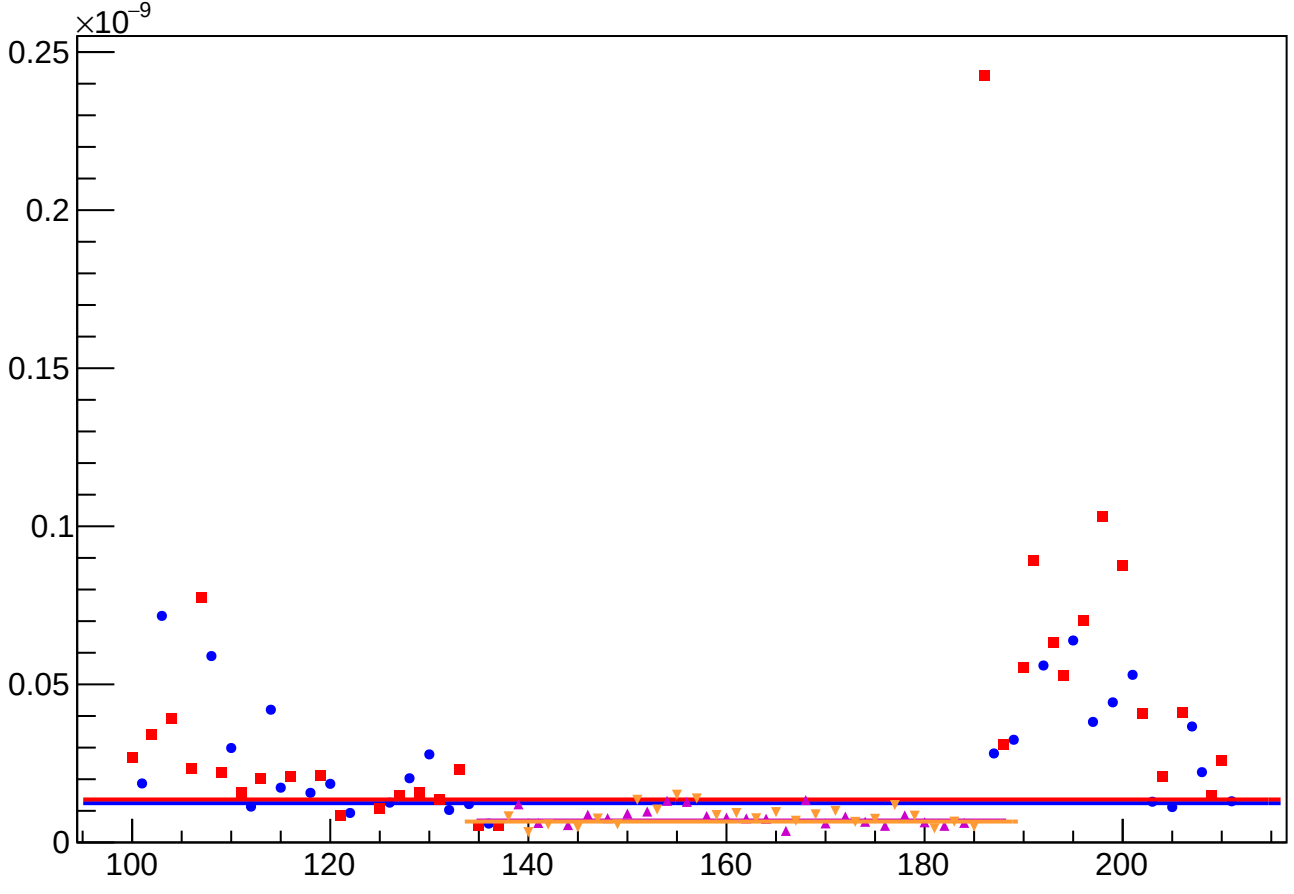
Right Out: -0.000+/-0.000 χ^2/NDF: 28.9/31

Left In: 0.000+/-0.000 χ^2/NDF:25.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 38.1/51

All: 0.000+/-0.000 χ^2/NDF: 94.9/106

- sign 0.000+/-0.000 χ^2/NDF: 56.6/54



Right In: 0.000+/-0.000 χ^2/NDF: 6618156.7/27

Left Out: 0.000+/-0.000 χ^2/NDF:3457171.1/23

Right Out: 0.000+/-0.000 χ^2/NDF: 9353754.7/31

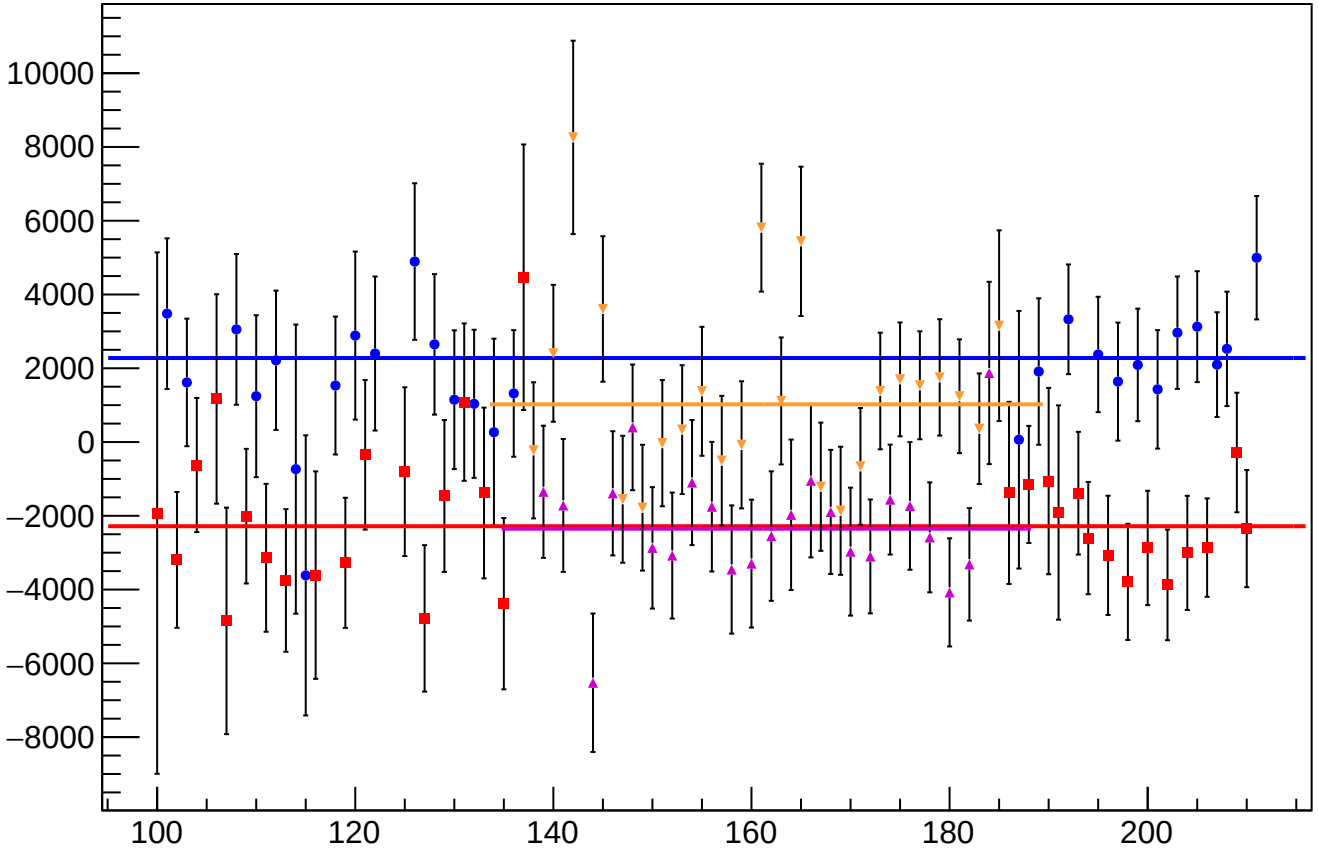
Left In: 0.000+/-0.000 χ^2/NDF:2315472.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 12359241.7/51

All: 0.000+/-0.000 χ^2/NDF: 26641497.9/106

- sign 0.000+/-0.000 χ^2/NDF: 14245974.2/54

reg_asym_usl_atl2_avg_mean vs Slug



Right In: 2278.117+/-348.915 χ^2/NDF: 11.9/27

Left Out: 1022.603+/-353.459 χ^2/NDF:36.4/23

Right Out: -2282.692+/-338.324 χ^2/NDF: 20.2/31

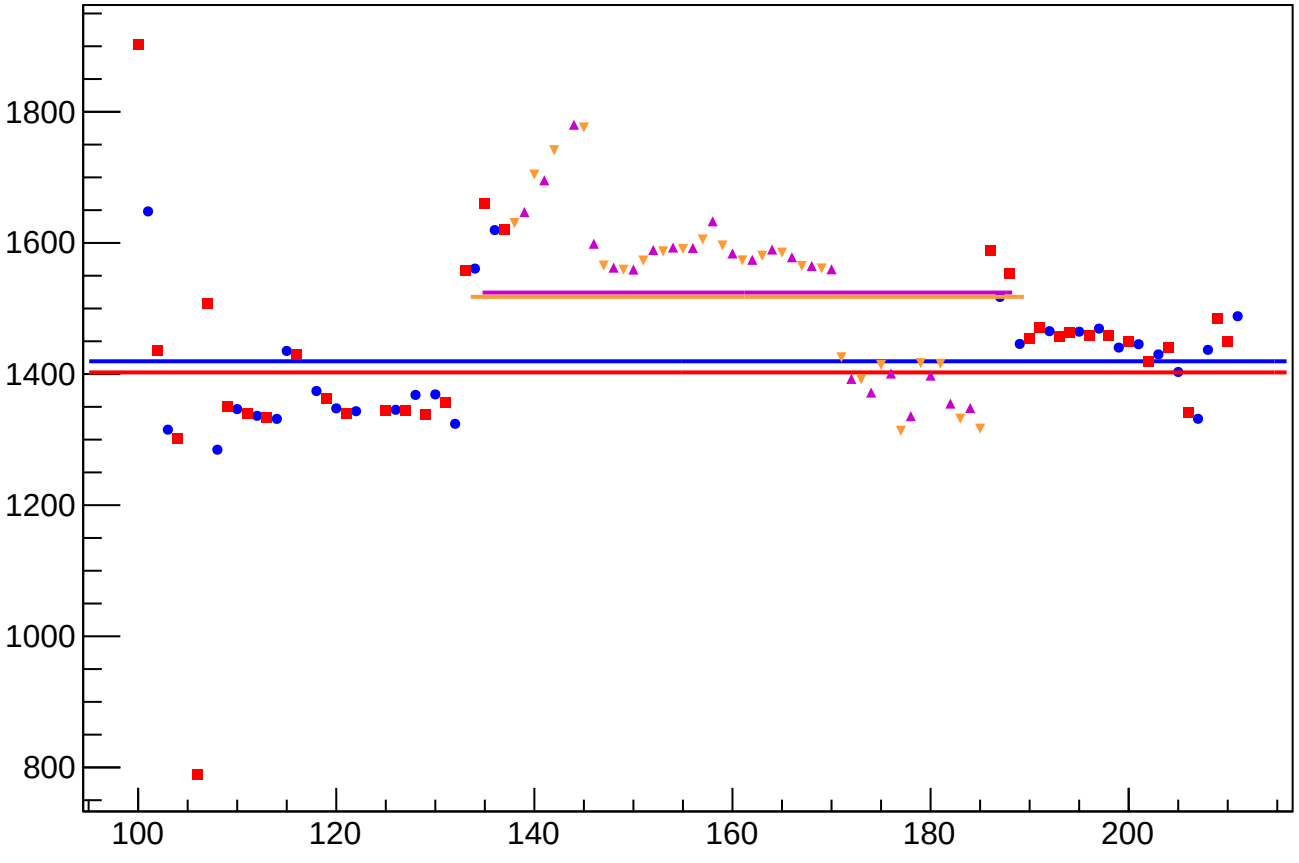
Left In: -2349.189+/-357.068 χ^2/NDF:16.0/22

+ sign 1658.482+/-248.311 χ^2/NDF: 54.8/51

All: -349.716+/-174.613 χ^2/NDF: 220.4/106

- sign -2314.149+/-245.590 χ^2/NDF: 36.2/54

reg_asym_usl_atl2_avg_rms vs Slug



Right In: 1419.483+/-0.247 χ^2/NDF: 117200.8/27

Left Out: 1517.815+/-0.250 χ^2/NDF:233957.9/23

Right Out: 1402.524+/-0.236 χ^2/NDF: 406627.6/31

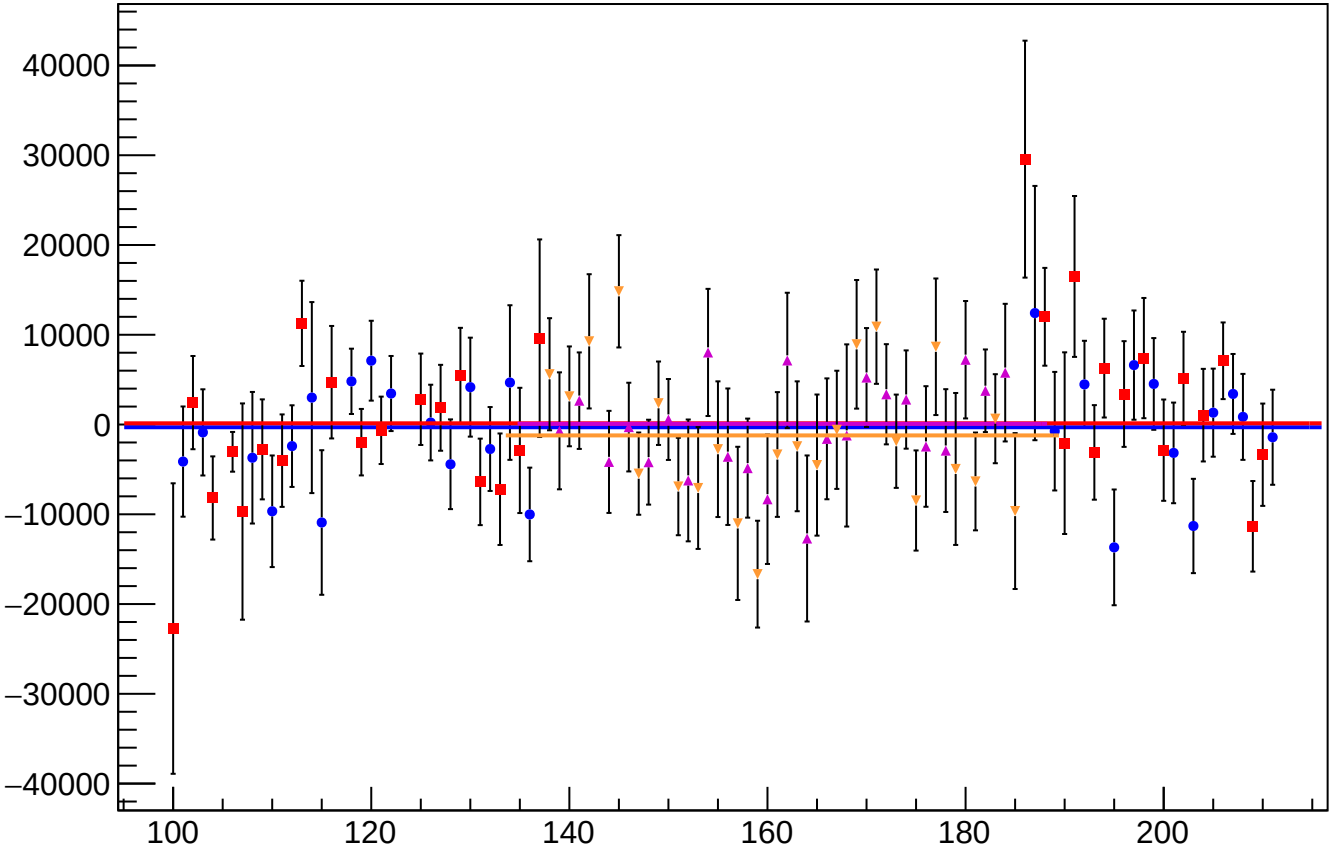
Left In: 1524.314+/-0.252 χ^2/NDF:224321.2/22

+ sign 1468.013+/-0.176 χ^2/NDF: 429555.7/51

All: 1463.580+/-0.123 χ^2/NDF: 1185953.0/10

- sign 1459.306+/-0.172 χ^2/NDF: 755145.3/54

asym_usl_atl2_avg_reg_correction_mean vs Slug



Right In: -303.836+/-1002.783 χ^2/NDF: 29.7/27

Left Out: -1211.893+/-1268.315 χ^2/NDF:33.2/23

Right Out: 136.739+/-908.950 χ^2/NDF: 46.7/31

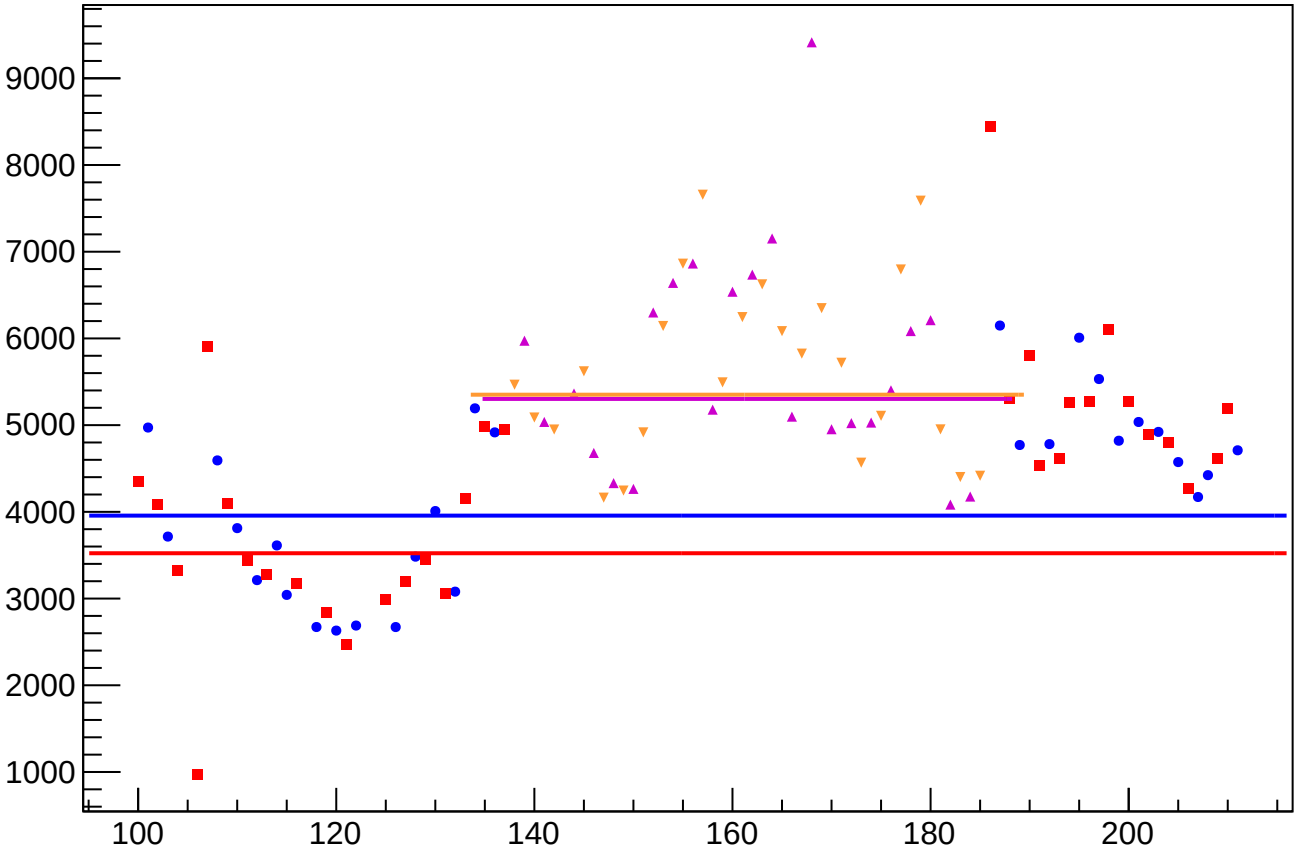
Left In: 80.780+/-1264.327 χ^2/NDF:13.2/22

+ sign -653.128+/-786.620 χ^2/NDF: 63.3/51

All: -243.184+/-538.221 χ^2/NDF: 123.7/106

- sign 117.672+/-738.022 χ^2/NDF: 59.9/54

asym_usl_atl2_avg_reg_correction_rms vs Slug



Right In: 3956.512+/-0.709 χ^2/NDF: 1918743.6/27

Left Out: 5351.126+/-0.897 χ^2/NDF:1066045.6/23

Right Out: 3522.692+/-0.643 χ^2/NDF: 5381580.0/31

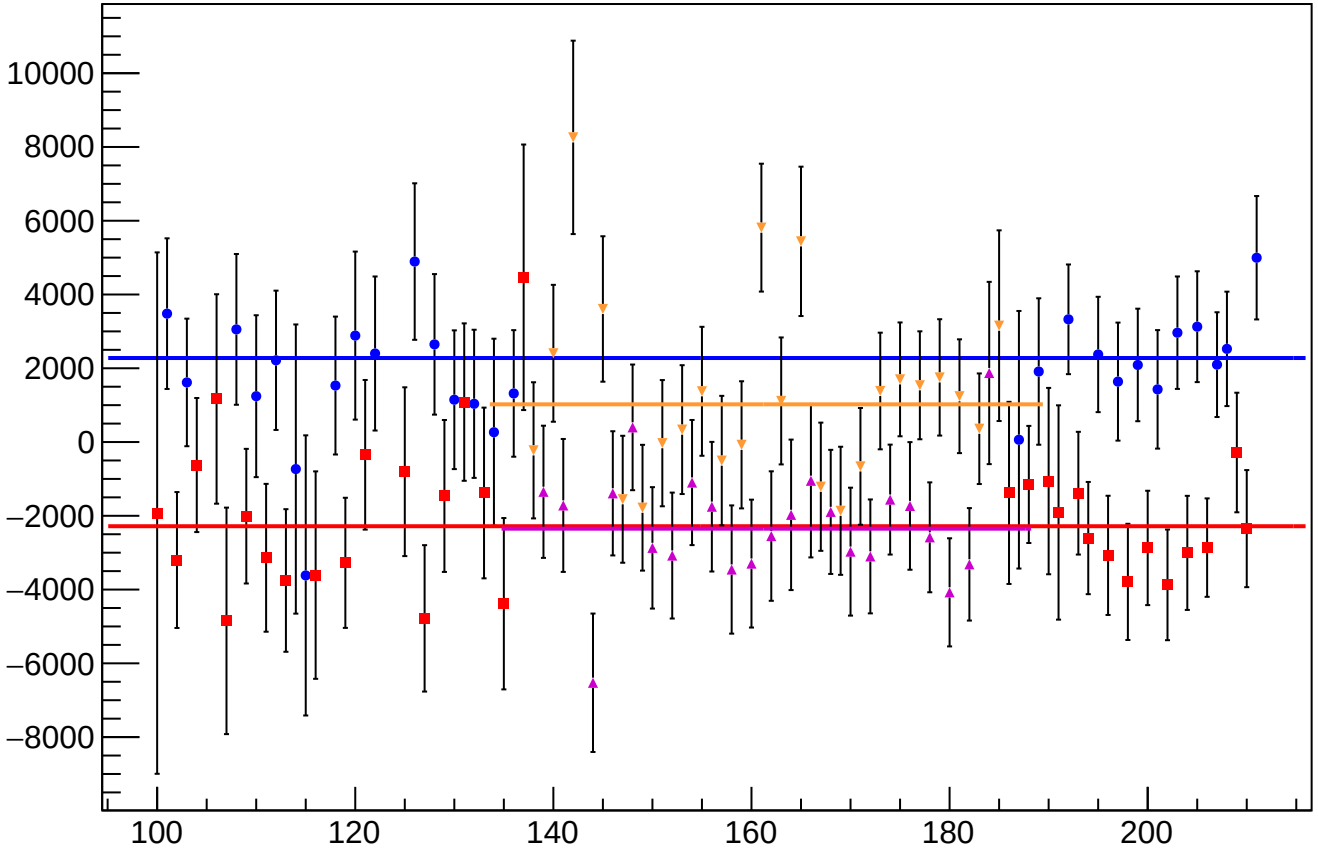
Left In: 5302.185+/-0.894 χ^2/NDF:1256309.3/22

+ sign 4492.962+/-0.556 χ^2/NDF: 4472778.9/51

All: 4299.409+/-0.381 χ^2/NDF: 13950280.5/1

- sign 4129.032+/-0.522 χ^2/NDF: 9249823.8/54

cor_asym_usl_atl2_avg_mean vs Slug



Right In: 2278.090+/-348.915 χ^2/NDF: 11.9/27

Left Out: 1022.634+/-353.459 χ^2/NDF:36.4/23

Right Out: -2282.763+/-338.325 χ^2/NDF: 20.2/31

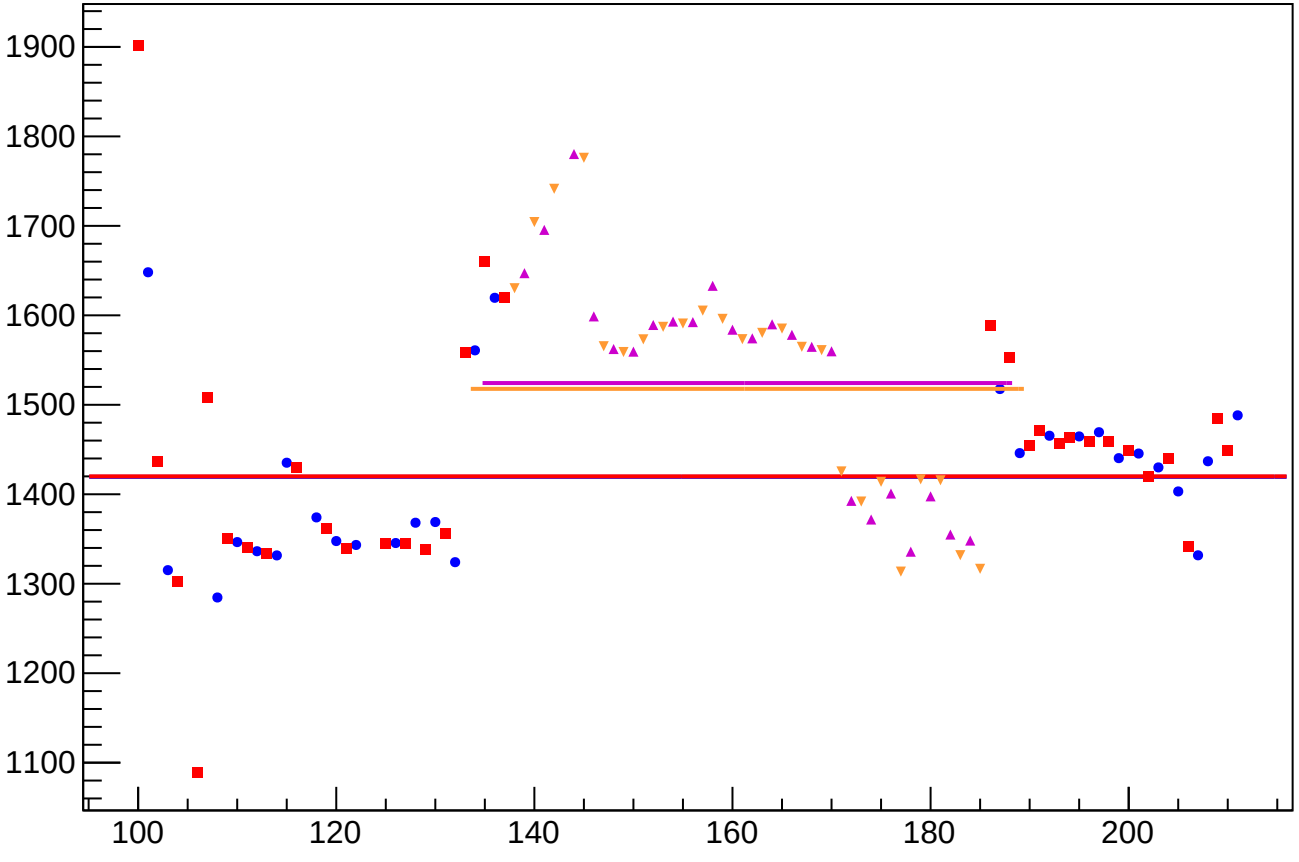
Left In: -2349.186+/-357.068 χ^2/NDF:16.0/22

+ sign 1658.483+/-248.311 χ^2/NDF: 54.8/51

All: -349.731+/-174.613 χ^2/NDF: 220.4/106

- sign -2314.185+/-245.591 χ^2/NDF: 36.2/54

cor_asym_usl_atl2_avg_rms vs Slug



Right In: 1419.483+/-0.247 χ^2/NDF: 117200.8/27

Left Out: 1517.815+/-0.250 χ^2/NDF:233957.9/23

Right Out: 1420.016+/-0.238 χ^2/NDF: 169782.8/31

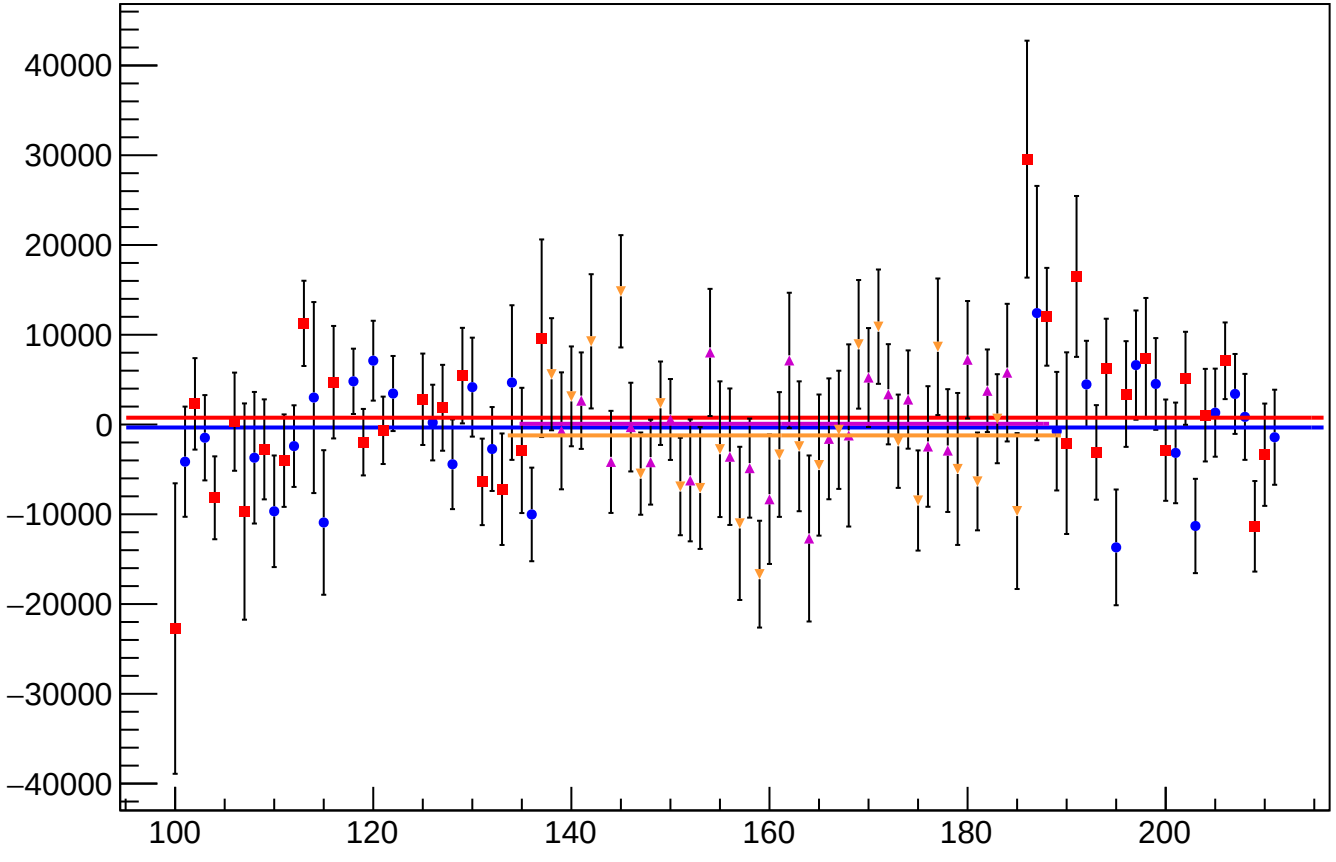
Left In: 1524.314+/-0.252 χ^2/NDF:224321.2/22

+ sign 1468.013+/-0.176 χ^2/NDF: 429555.7/51

All: 1468.543+/-0.123 χ^2/NDF: 914080.0/106

- sign 1469.059+/-0.173 χ^2/NDF: 484506.3/54

asym_usl_atl2_avg_cor_correction_mean vs Slug



Right In: -331.196+/-1002.326 χ^2/NDF: 29.8/27

Left Out: -1211.889+/-1268.316 χ^2/NDF:33.2/23

Right Out: 760.900+/-979.831 χ^2/NDF: 44.2/31

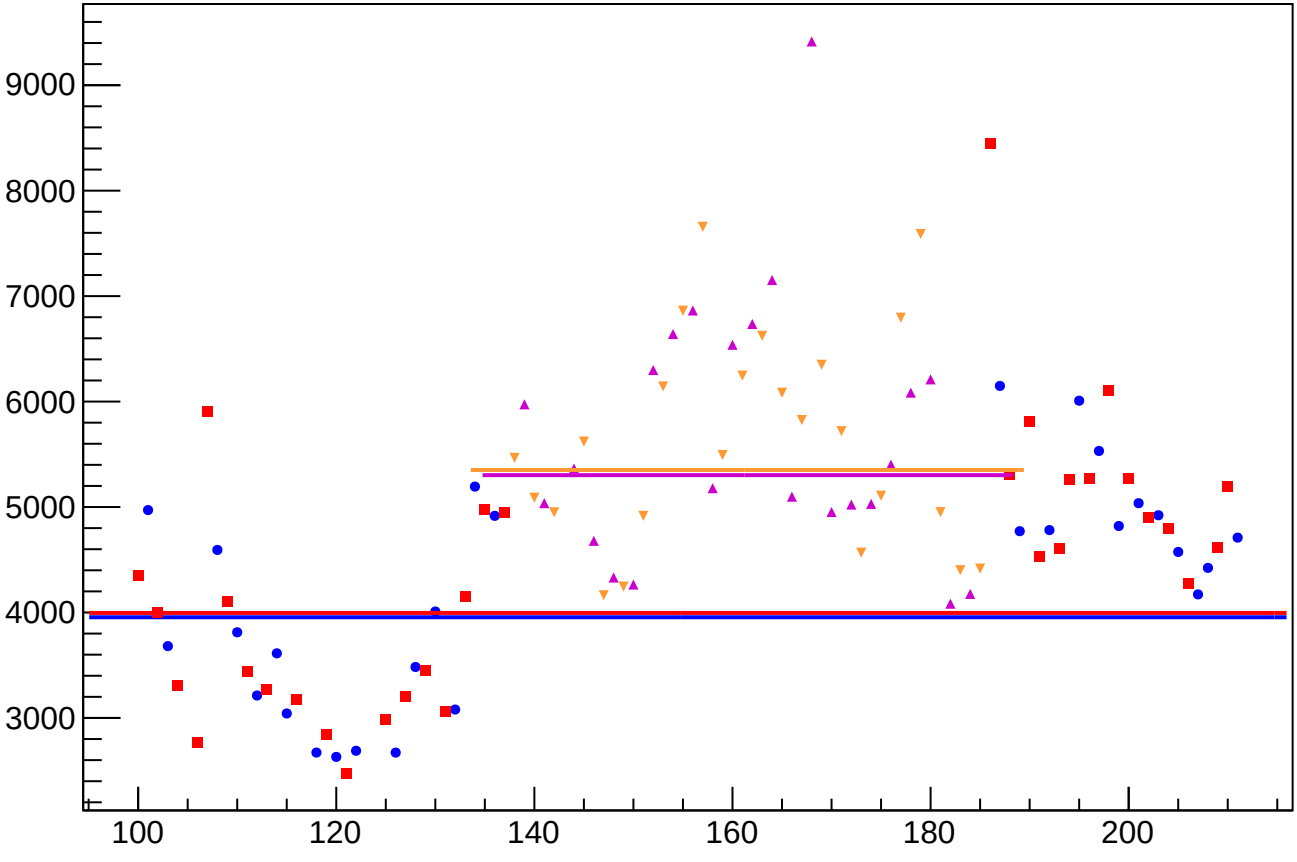
Left In: 80.689+/-1264.325 χ^2/NDF:13.2/22

+ sign -669.772+/-786.399 χ^2/NDF: 63.3/51

All: -73.079+/-551.806 χ^2/NDF: 122.1/106

- sign 505.661+/-774.479 χ^2/NDF: 57.6/54

asym_usl_atl2_avg_cor_correction_rms vs Slug



Right In: 3954.784+/-0.709 χ^2/NDF: 1920288.9/27

Left Out: 5351.132+/-0.897 χ^2/NDF:1066039.6/23

Right Out: 3995.810+/-0.693 χ^2/NDF: 2287806.1/31

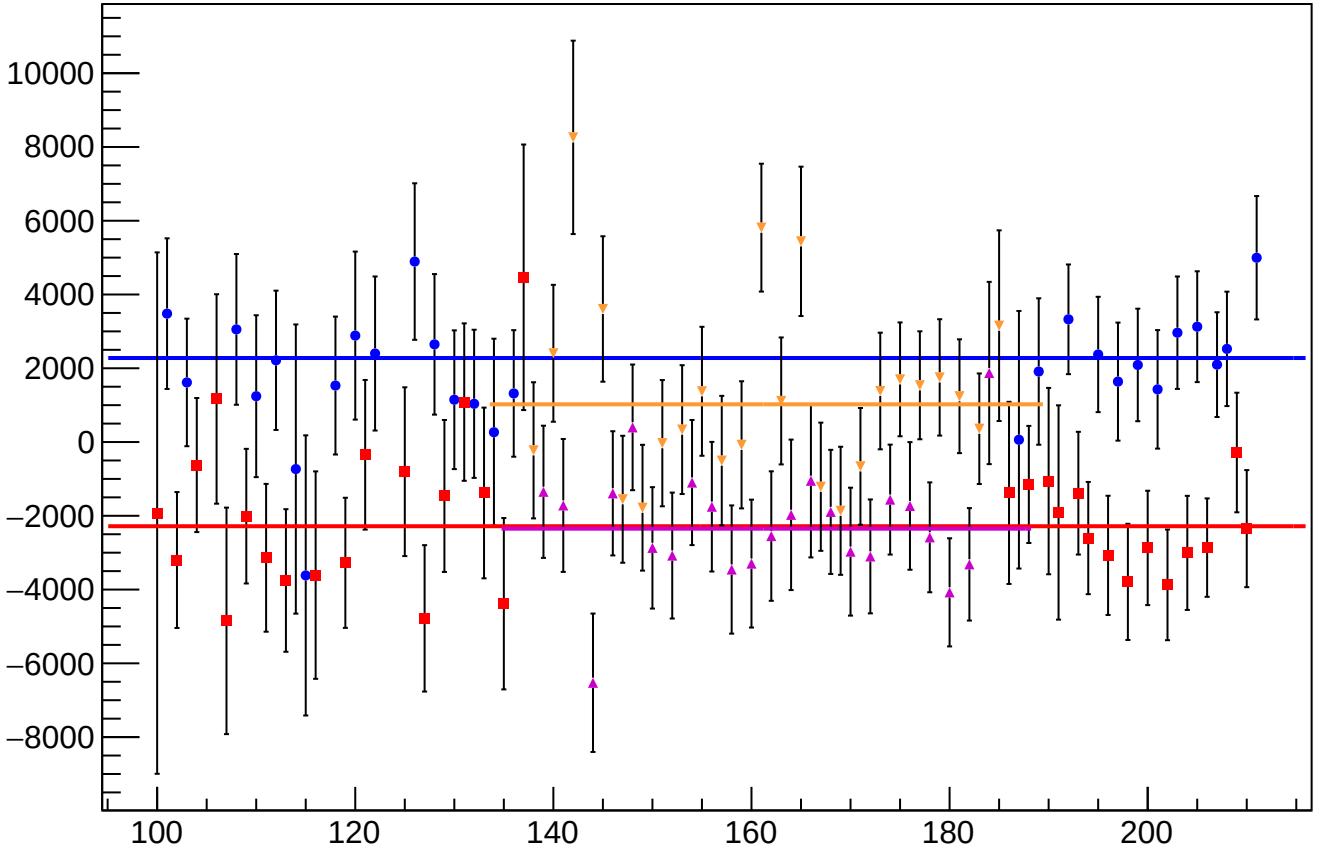
Left In: 5302.177+/-0.894 χ^2/NDF:1256324.3/22

\+ sign 4491.599+/-0.556 χ^2/NDF: 4478540.6/51

All: 4488.759+/-0.390 χ^2/NDF: 9356734.7/10

\- sign 4486.003+/-0.548 χ^2/NDF: 4878142.6/54

eigen_cor_asym_usl_atl2_avg_mean vs Slug



Right In: 2278.090+/-348.915 χ^2/NDF: 11.9/27

Left Out: 1022.634+/-353.459 χ^2/NDF:36.4/23

Right Out: -2282.763+/-338.325 χ^2/NDF: 20.2/31

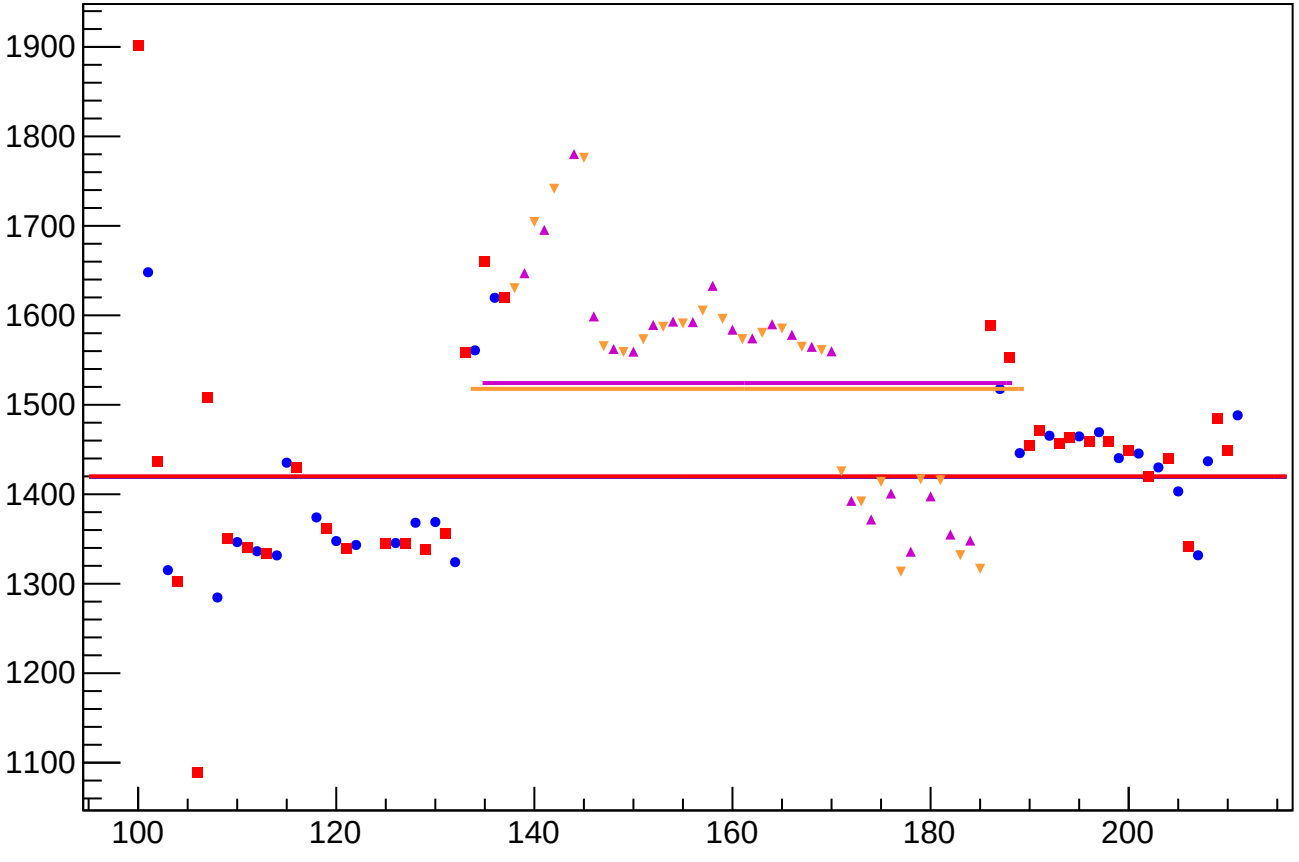
Left In: -2349.186+/-357.068 χ^2/NDF:16.0/22

+ sign 1658.483+/-248.311 χ^2/NDF: 54.8/51

All: -349.731+/-174.613 χ^2/NDF: 220.4/106

- sign -2314.185+/-245.591 χ^2/NDF: 36.2/54

eigen_cor_asym_usl_atl2_avg_rms vs Slug



Right In: 1419.483+/-0.247 χ^2/NDF: 117200.8/27

Left Out: 1517.815+/-0.250 χ^2/NDF:233957.9/23

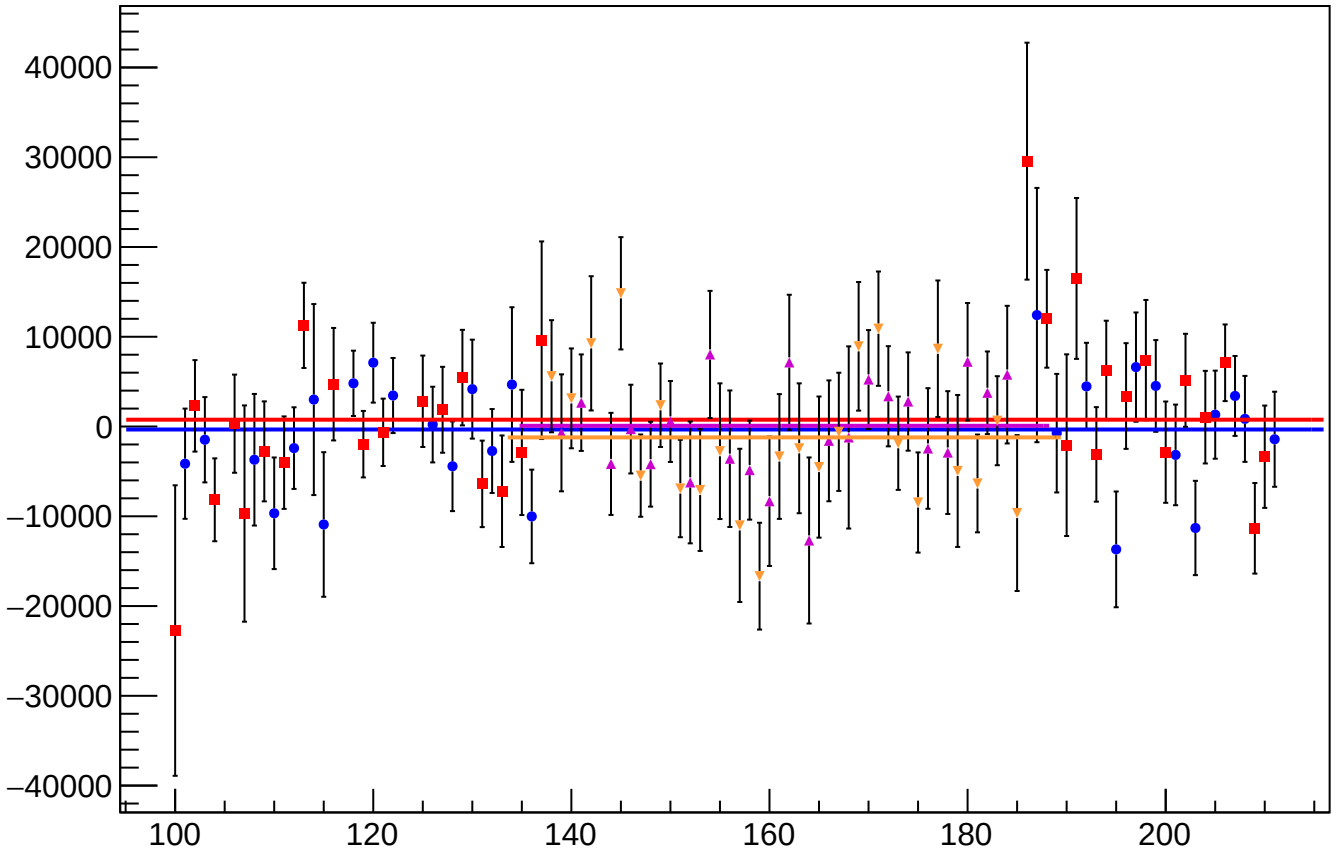
Right Out: 1420.016+/-0.238 χ^2/NDF: 169782.8/31

Left In: 1524.314+/-0.252 χ^2/NDF:224321.2/22

+ sign 1468.013+/-0.176 χ^2/NDF: 429555.7/51

All: 1468.543+/-0.123 χ^2/NDF: 914080.0/106

- sign 1469.059+/-0.173 χ^2/NDF: 484506.3/54



Right In: -331.196+/-1002.326 χ^2/NDF: 29.8/27

Left Out: -1211.889+/-1268.316 χ^2/NDF:33.2/23

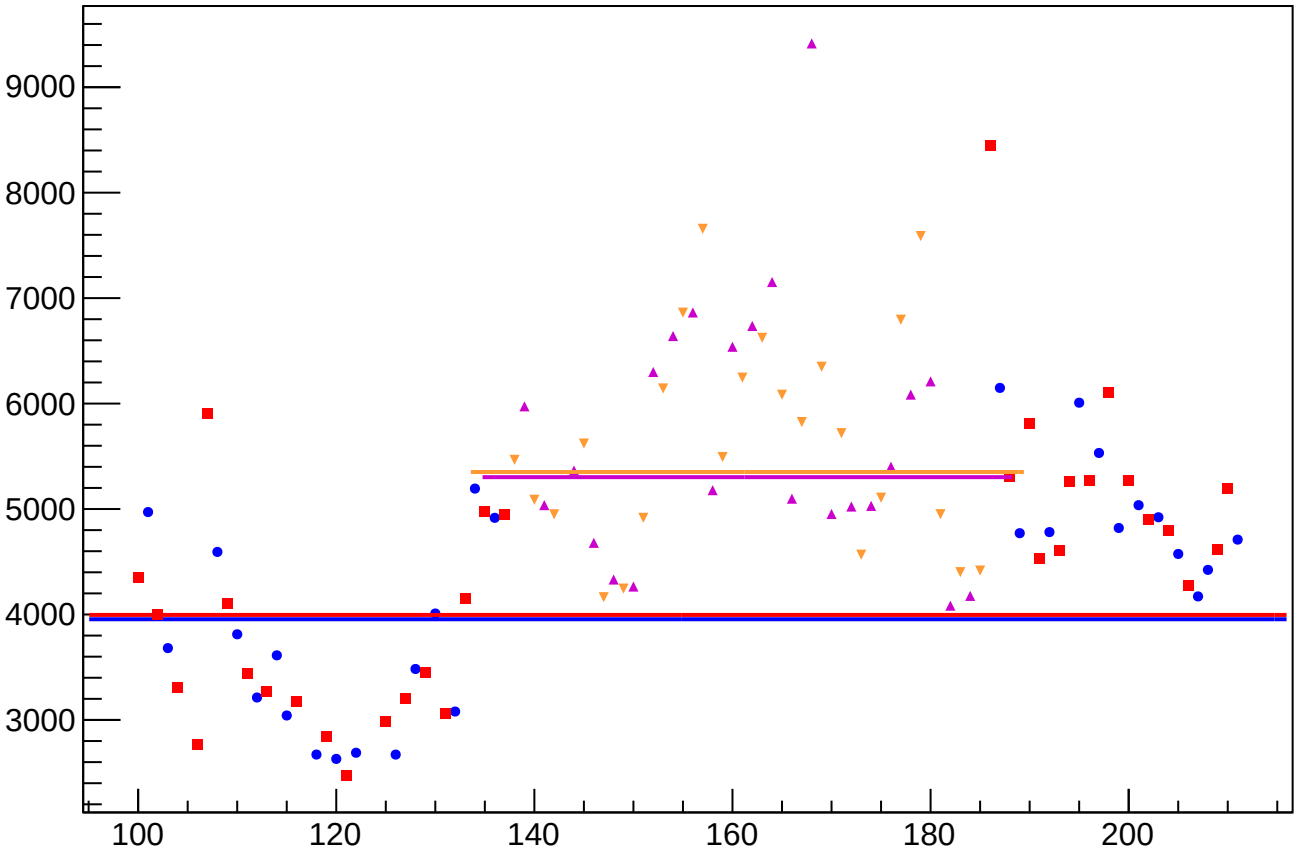
Right Out: 760.900+/-979.831 χ^2/NDF: 44.2/31

Left In: 80.689+/-1264.325 χ^2/NDF:13.2/22

+ sign -669.772+/-786.399 χ^2/NDF: 63.3/51

All: -73.079+/-551.806 χ^2/NDF: 122.1/106

- sign 505.661+/-774.479 χ^2/NDF: 57.6/54



Right In: 3954.784+/-0.709 χ^2/NDF: 1920288.9/27

Left Out: 5351.132+/-0.897 χ^2/NDF:1066039.6/23

Right Out: 3995.810+/-0.693 χ^2/NDF: 2287806.1/31

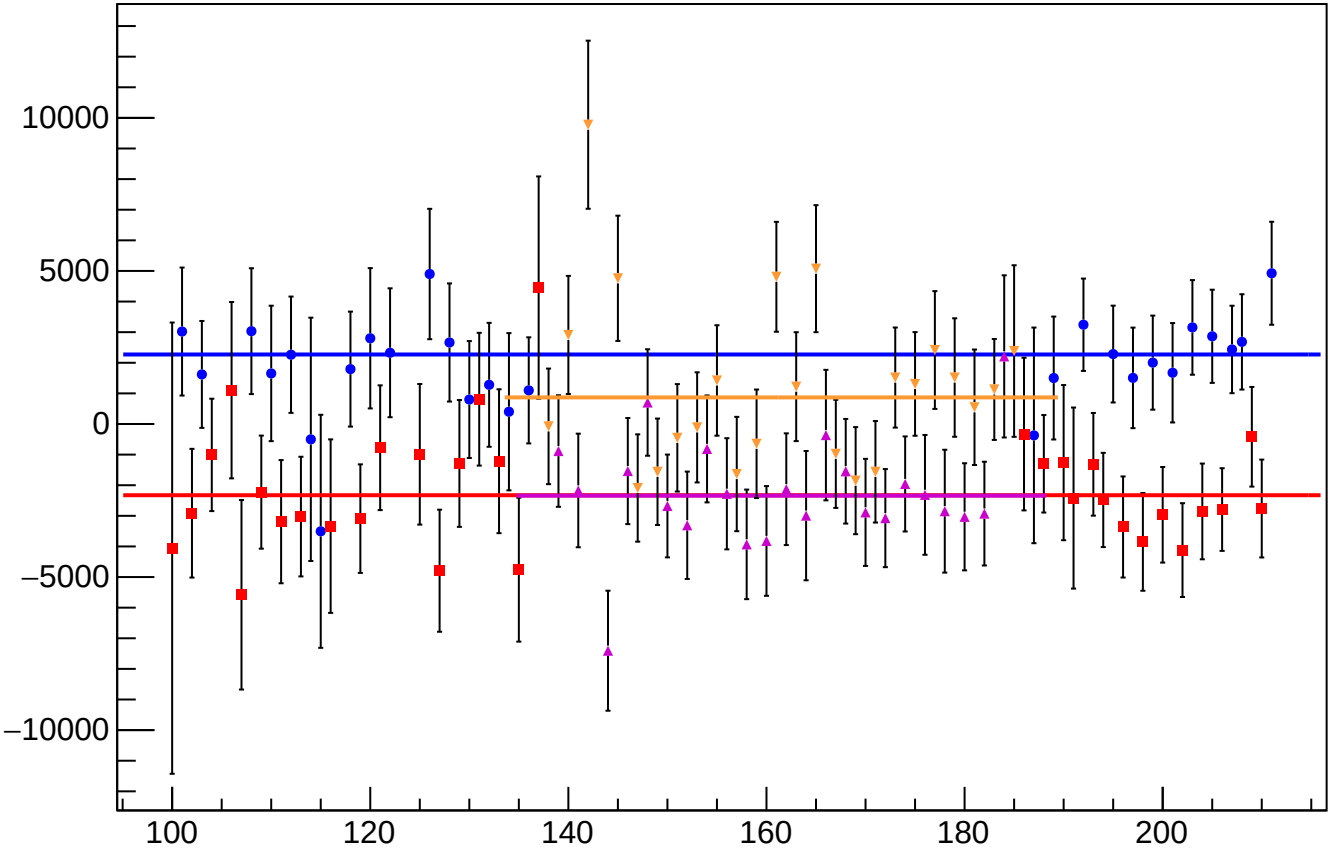
Left In: 5302.177+/-0.894 χ^2/NDF:1256324.3/22

+ sign 4491.599+/-0.556 χ^2/NDF: 4478540.6/51

All: 4488.759+/-0.390 χ^2/NDF: 9356734.7/10

- sign 4486.003+/-0.548 χ^2/NDF: 4878142.6/54

dit_asym_usl_atl2_avg_mean vs Slug



Right In: 2270.794+/-352.512 χ^2/NDF: 11.3/27

Left Out: 868.415+/-377.179 χ^2/NDF:39.7/23

Right Out: -2326.286+/-342.995 χ^2/NDF: 19.5/31

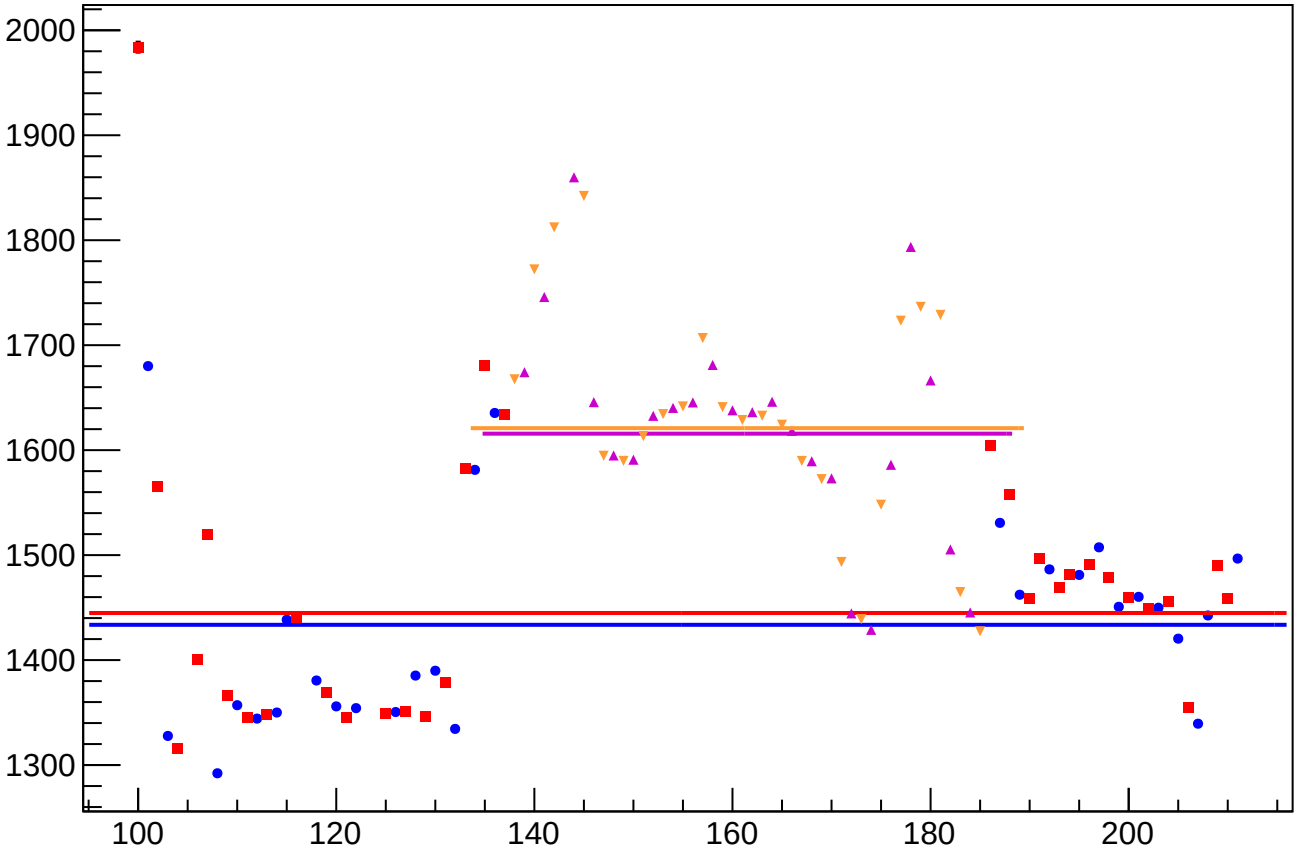
Left In: -2342.303+/-378.114 χ^2/NDF:18.0/22

+ sign 1616.958+/-257.543 χ^2/NDF: 58.5/51

All: -385.292+/-180.861 χ^2/NDF: 215.3/106

- sign -2333.516+/-254.045 χ^2/NDF: 37.5/54

dit_asym_usl_atl2_avg_rms vs Slug



Right In: 1433.606+/-0.249 χ^2/NDF: 125929.2/27

Left Out: 1620.945+/-0.267 χ^2/NDF:141985.5/23

Right Out: 1444.874+/-0.242 χ^2/NDF: 131298.3/31

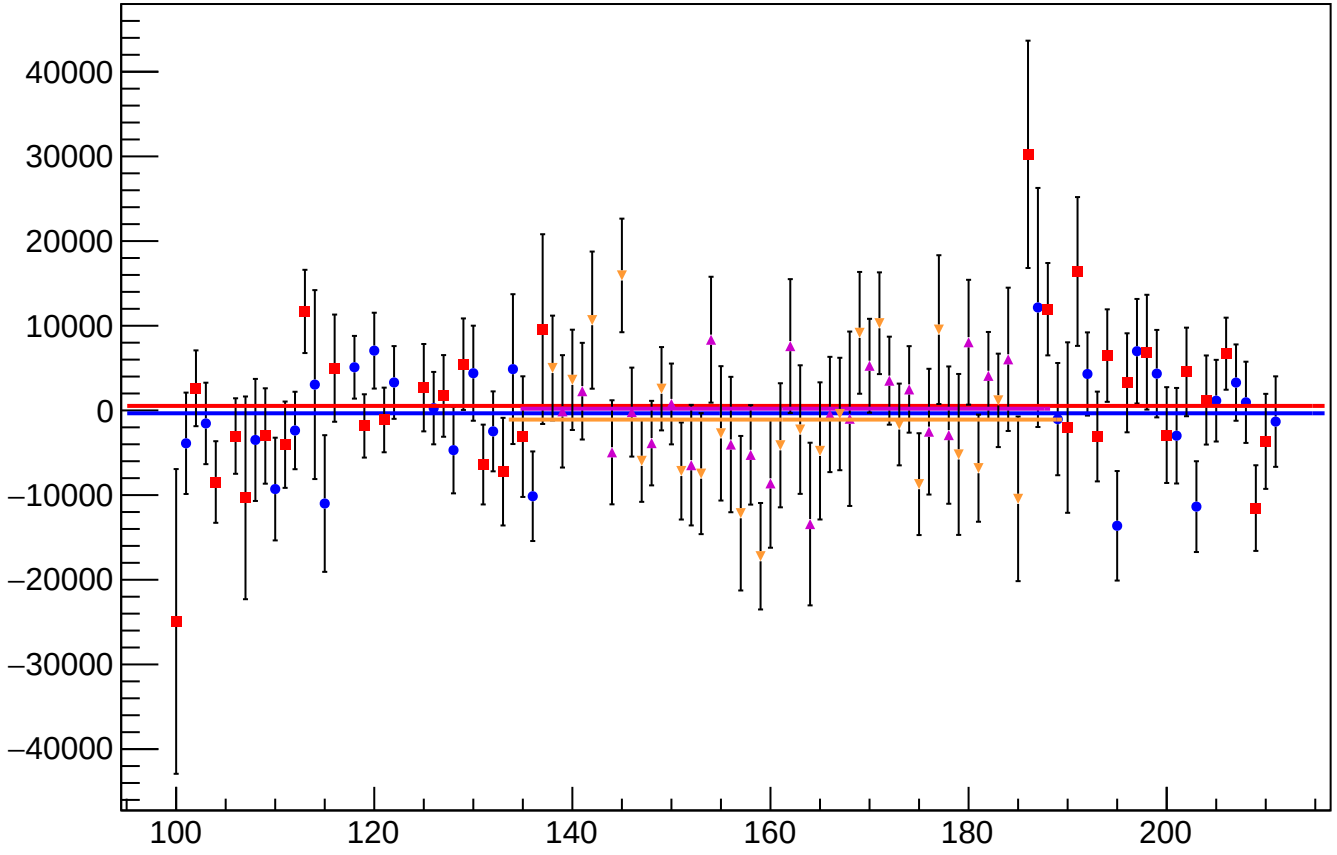
Left In: 1615.705+/-0.267 χ^2/NDF:137139.2/22

+ sign 1520.950+/-0.182 χ^2/NDF: 531269.1/51

All: 1521.429+/-0.128 χ^2/NDF: 1023903.9/10

- sign 1521.894+/-0.180 χ^2/NDF: 492621.1/54

asym_usl_atl2_avg_dit_correction_mean vs Slug



Right In: -339.118+/-1011.367 χ^2/NDF: 29.3/27

Left Out: -1082.232+/-1332.403 χ^2/NDF:32.9/23

Right Out: 532.687+/-973.984 χ^2/NDF: 44.9/31

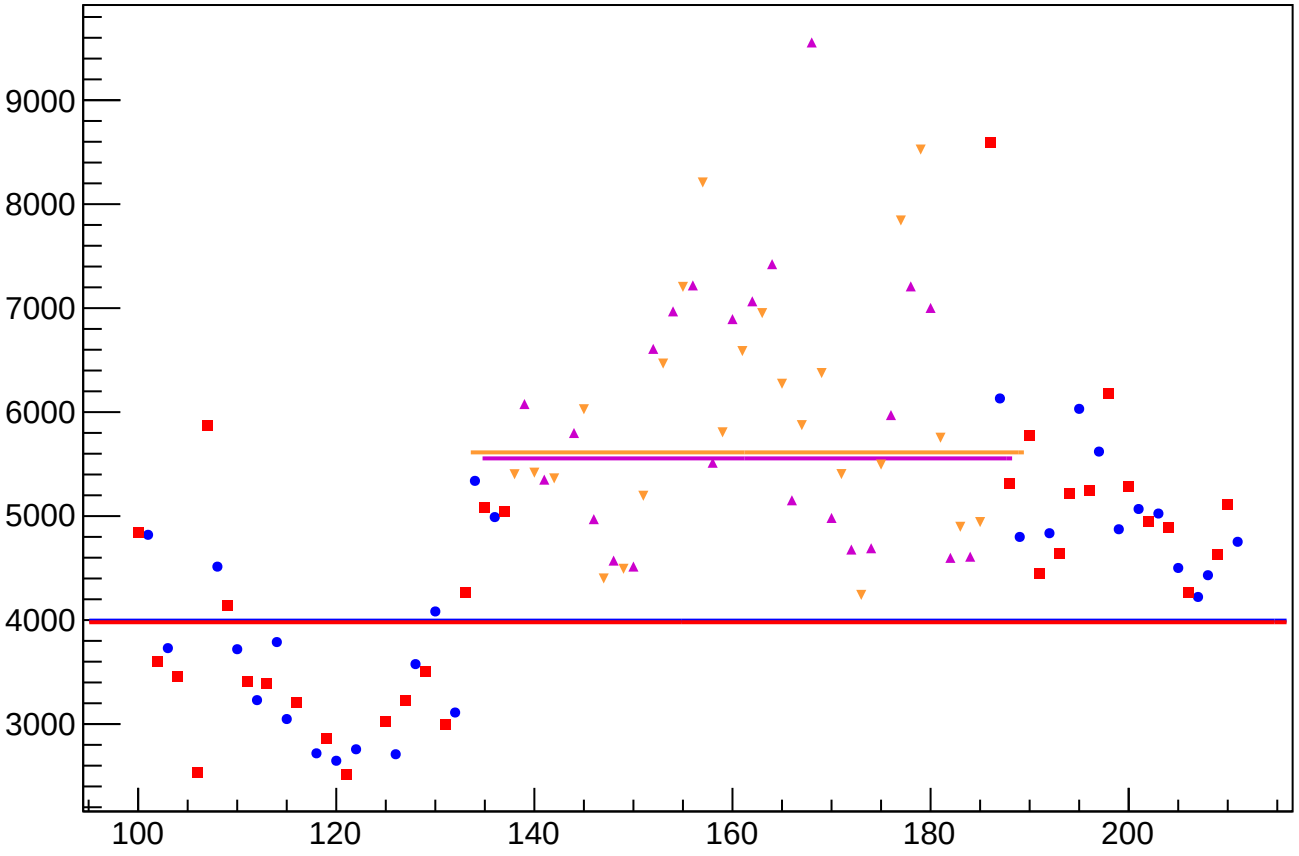
Left In: 201.662+/-1326.173 χ^2/NDF:12.9/22

\+ sign -610.762+/-805.579 χ^2/NDF: 62.4/51

All: -83.750+/-562.219 χ^2/NDF: 121.1/106

\- sign 416.699+/-785.014 χ^2/NDF: 57.8/54

asym_usl_atl2_avg_dit_correction_rms vs Slug



Right In: 3994.640+/-0.715 χ^2/NDF: 1867712.1/27

Left Out: 5612.730+/-0.942 χ^2/NDF:1188118.0/23

Right Out: 3979.213+/-0.689 χ^2/NDF: 2370282.5/31

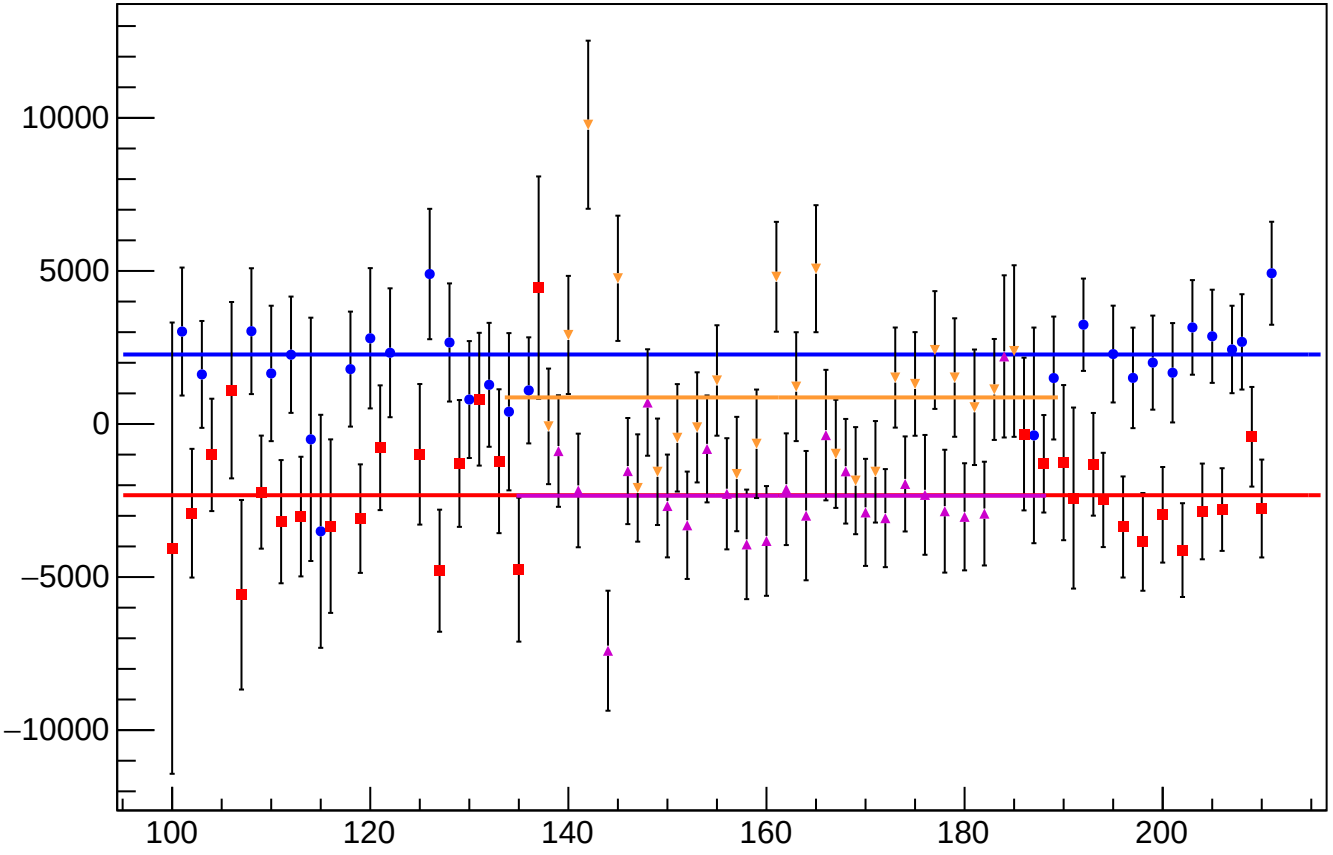
Left In: 5554.927+/-0.938 χ^2/NDF:1332970.4/22

+ sign 4586.131+/-0.570 χ^2/NDF: 4927213.5/51

All: 4558.022+/-0.398 χ^2/NDF: 10469364.8/1

- sign 4531.331+/-0.555 χ^2/NDF: 5537404.1/54

eigen_dit_asym_usl_atl2_avg_mean vs Slug



Right In: 2270.795+/-352.512 χ^2/NDF: 11.3/27

Left Out: 868.410+/-377.180 χ^2/NDF:39.7/23

Right Out: -2326.283+/-342.995 χ^2/NDF: 19.5/31

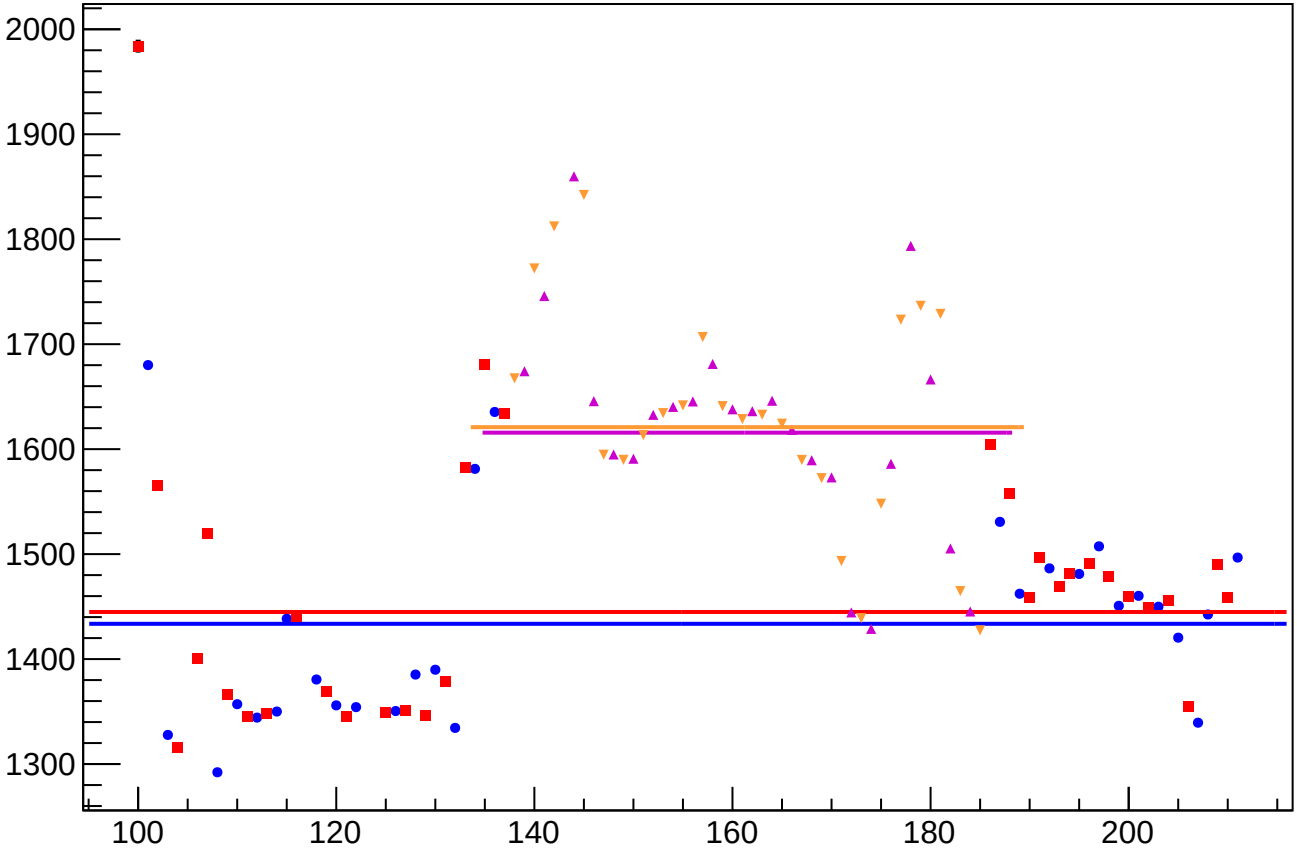
Left In: -2342.303+/-378.114 χ^2/NDF:18.0/22

+ sign 1616.956+/-257.543 χ^2/NDF: 58.5/51

All: -385.292+/-180.861 χ^2/NDF: 215.3/106

- sign -2333.515+/-254.045 χ^2/NDF: 37.5/54

eigen_dit_asym_usl_atl2_avg_rms vs Slug



Right In: 1433.606+/-0.249 χ^2/NDF: 125929.2/27

Left Out: 1620.946+/-0.267 χ^2/NDF:141990.3/23

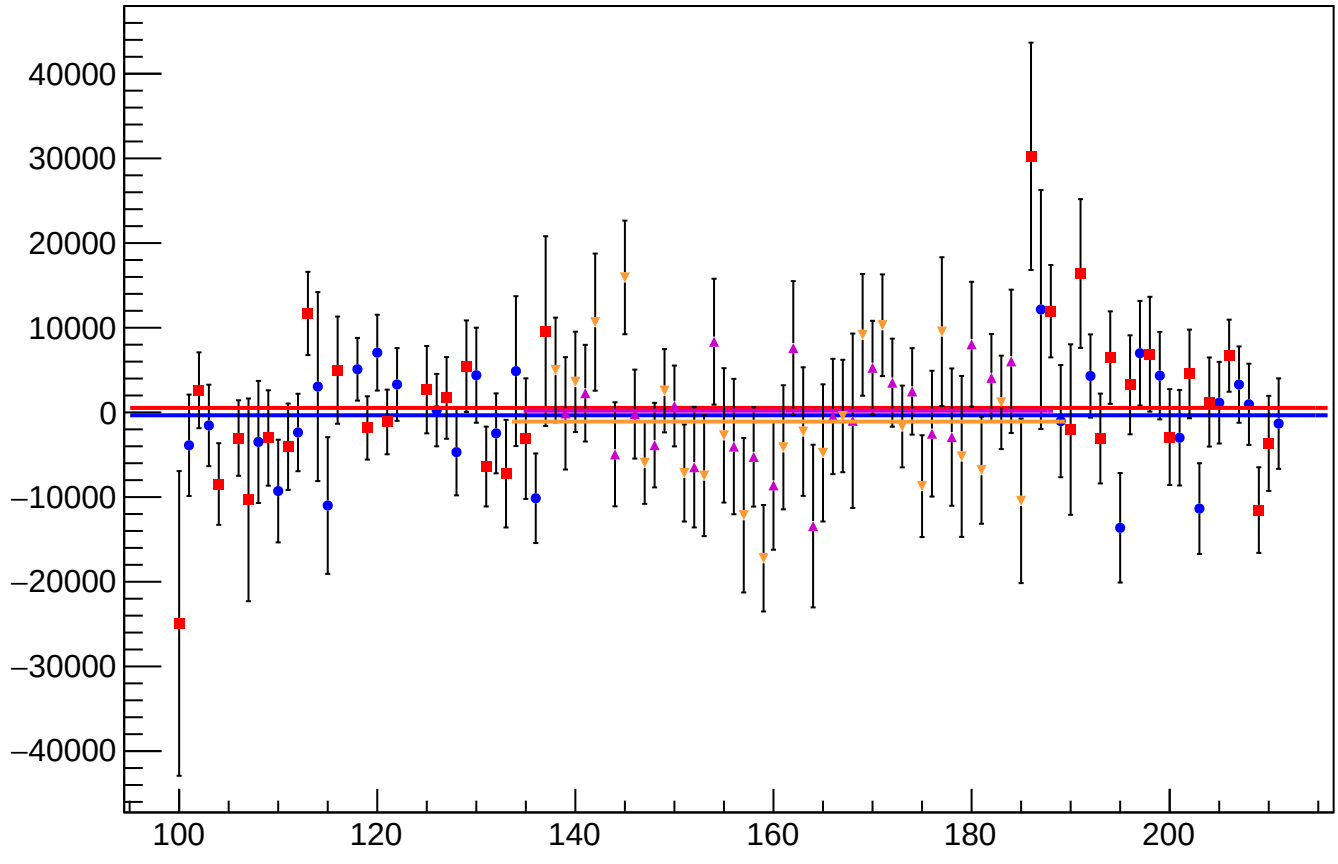
Right Out: 1444.874+/-0.242 χ^2/NDF: 131298.5/31

Left In: 1615.706+/-0.267 χ^2/NDF:137144.0/22

+ sign 1520.951+/-0.182 χ^2/NDF: 531277.0/51

All: 1521.429+/-0.128 χ^2/NDF: 1023920.0/10

- sign 1521.894+/-0.180 χ^2/NDF: 492629.4/54



Right In: -339.113+/-1011.367 χ^2/NDF: 29.3/27

Left Out: -1082.239+/-1332.405 χ^2/NDF:32.9/23

Right Out: 532.681+/-973.983 χ^2/NDF: 44.9/31

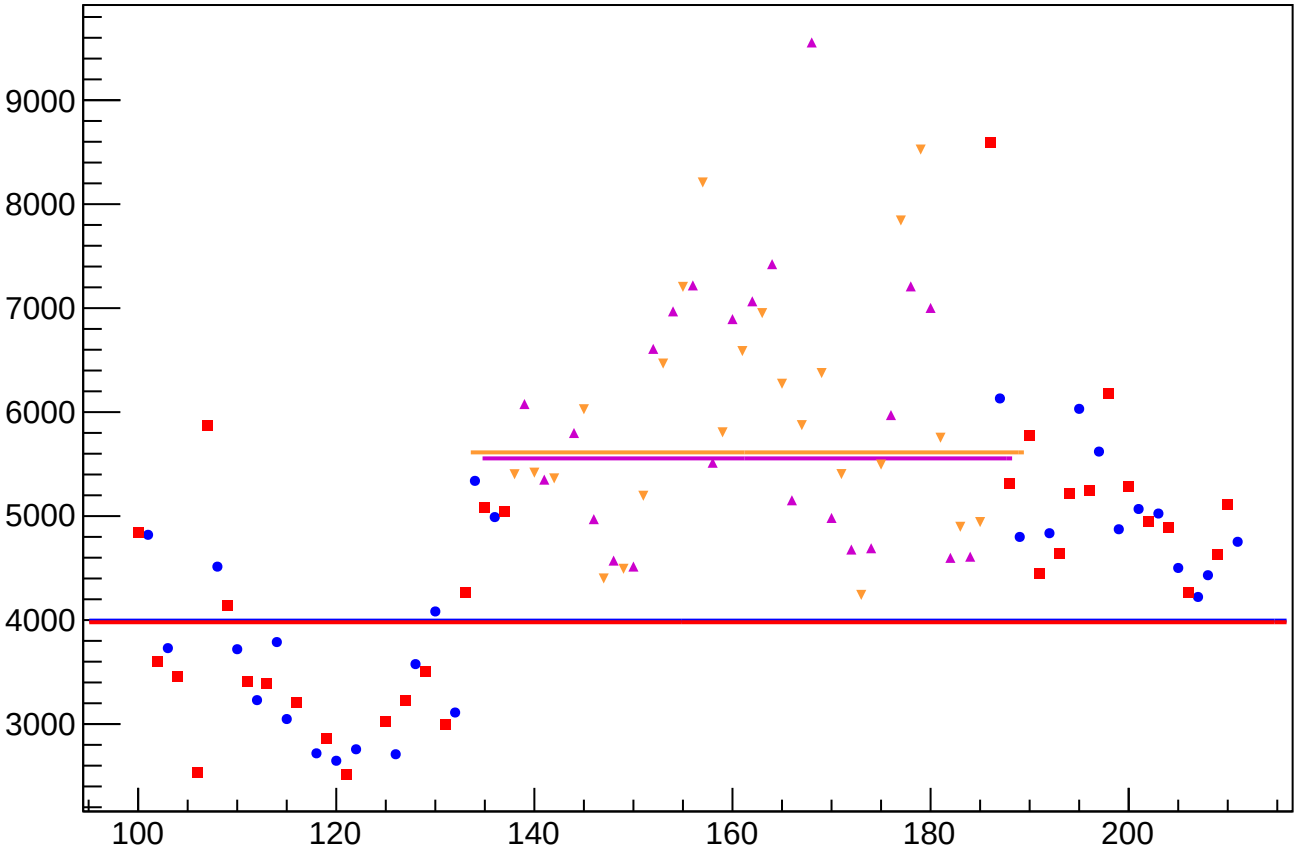
Left In: 201.663+/-1326.175 χ^2/NDF:12.9/22

\+ sign -610.761+/-805.579 χ^2/NDF: 62.4/51

All: -83.751+/-562.219 χ^2/NDF: 121.1/106

\- sign 416.695+/-785.014 χ^2/NDF: 57.8/54

asym_usl_atl2_avg_eigen_dit_correction_rms vs Slug



Right In: 3994.635+/-0.715 χ^2/NDF: 1867749.7/27

Left Out: 5612.739+/-0.942 χ^2/NDF:1188118.8/23

Right Out: 3979.207+/-0.689 χ^2/NDF: 2370315.0/31

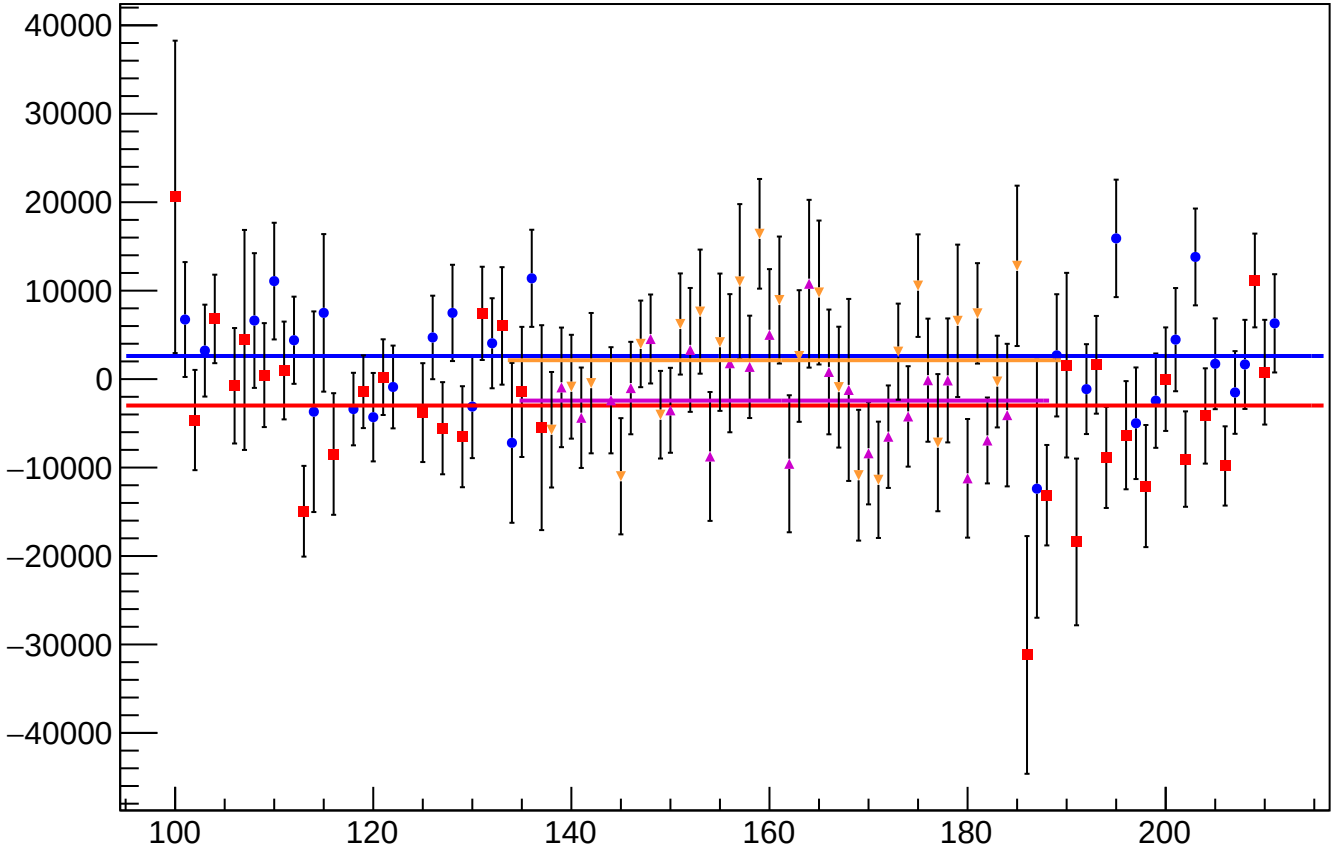
Left In: 5554.935+/-0.938 χ^2/NDF:1332972.0/22

+ sign 4586.129+/-0.570 χ^2/NDF: 4927282.3/51

All: 4558.020+/-0.398 χ^2/NDF: 10469499.3/1

- sign 4531.328+/-0.555 χ^2/NDF: 5537469.8/54

asym_usl_atl2_avg_mean vs Slug



Right In: 2613.947+/-1074.900 χ^2/NDF: 27.0/27

Left Out: 2138.140+/-1324.387 χ^2/NDF:30.7/23

Right Out: -2986.047+/-1052.351 χ^2/NDF: 45.9/31

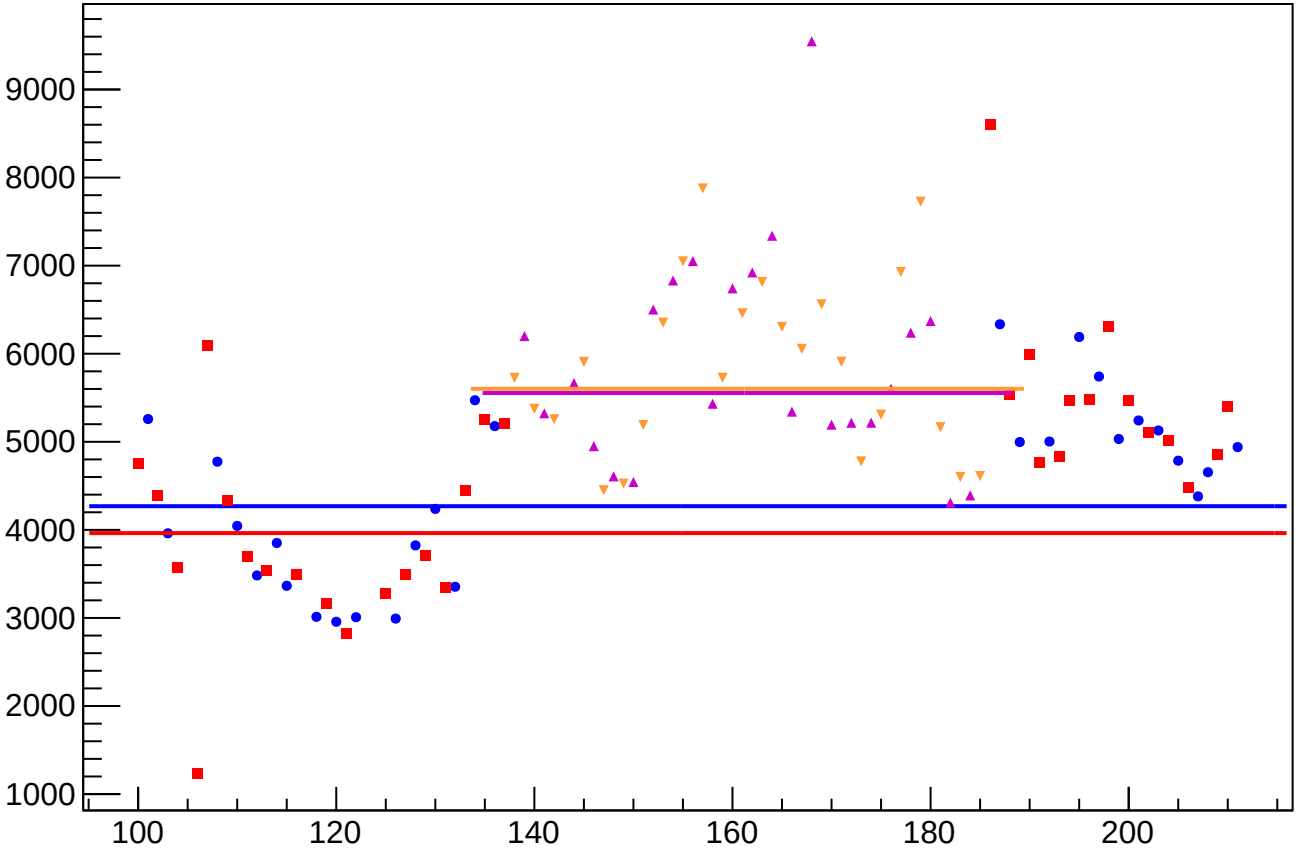
Left In: -2428.059+/-1321.080 χ^2/NDF:12.9/22

+ sign 2424.991+/-834.604 χ^2/NDF: 57.8/51

All: -208.210+/-586.051 χ^2/NDF: 136.3/106

- sign -2769.431+/-823.118 χ^2/NDF: 58.9/54

asym_usl_atl2_avg_rms vs Slug



Right In: 4268.929+/-0.760 χ^2/NDF: 1512595.1/27

Left Out: 5602.266+/-0.936 χ^2/NDF:940451.0/23

Right Out: 3963.498+/-0.706 χ^2/NDF: 3882217.7/31

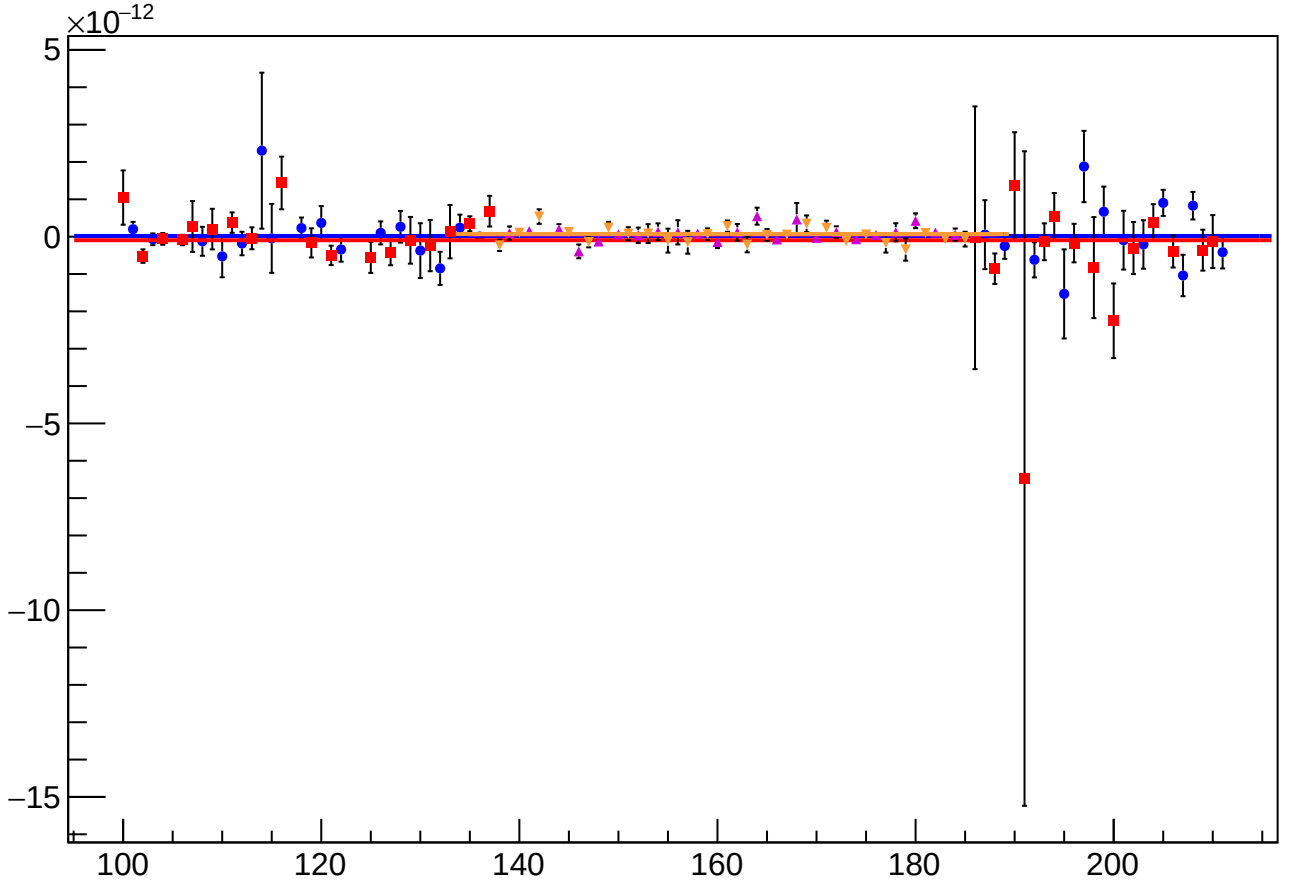
Left In: 5554.054+/-0.934 χ^2/NDF:1112177.4/22

+ sign 4798.434+/-0.590 χ^2/NDF: 3675141.1/51

All: 4664.026+/-0.407 χ^2/NDF: 10614031.3/1

- sign 4541.621+/-0.563 χ^2/NDF: 6839781.1/54

asym_usl_atl2_avg_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 36.1/27

Left Out: 0.000+/-0.000 χ^2/NDF:28.3/23

Right Out: -0.000+/-0.000 χ^2/NDF: 42.4/31

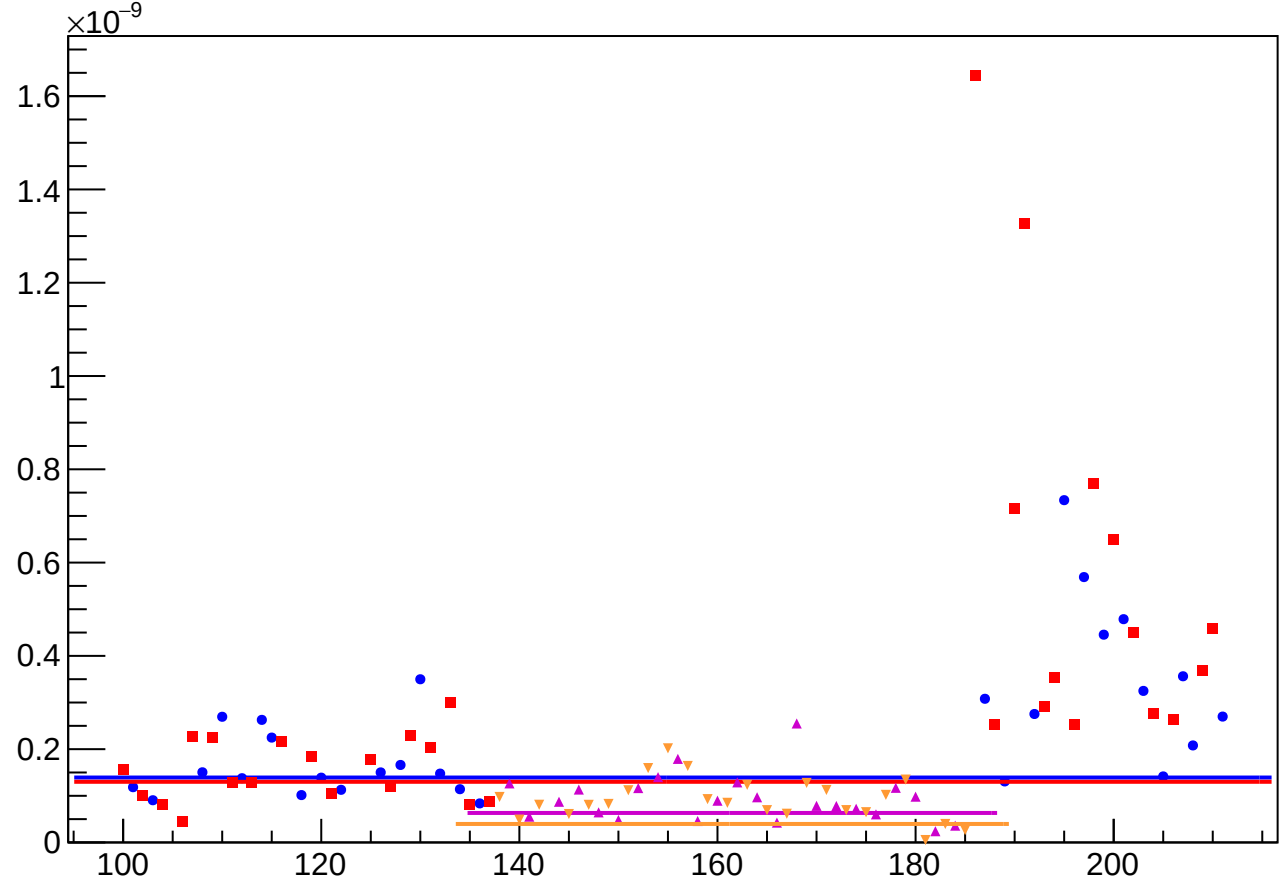
Left In: 0.000+/-0.000 χ^2/NDF:25.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 65.0/51

All: 0.000+/-0.000 χ^2/NDF: 139.0/106

- sign 0.000+/-0.000 χ^2/NDF: 72.8/54

asym_usl_atl2_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 3571808.5/27

Left Out: 0.000+/-0.000 χ^2/NDF:6954816.0/23

Right Out: 0.000+/-0.000 χ^2/NDF: 5633948.7/31

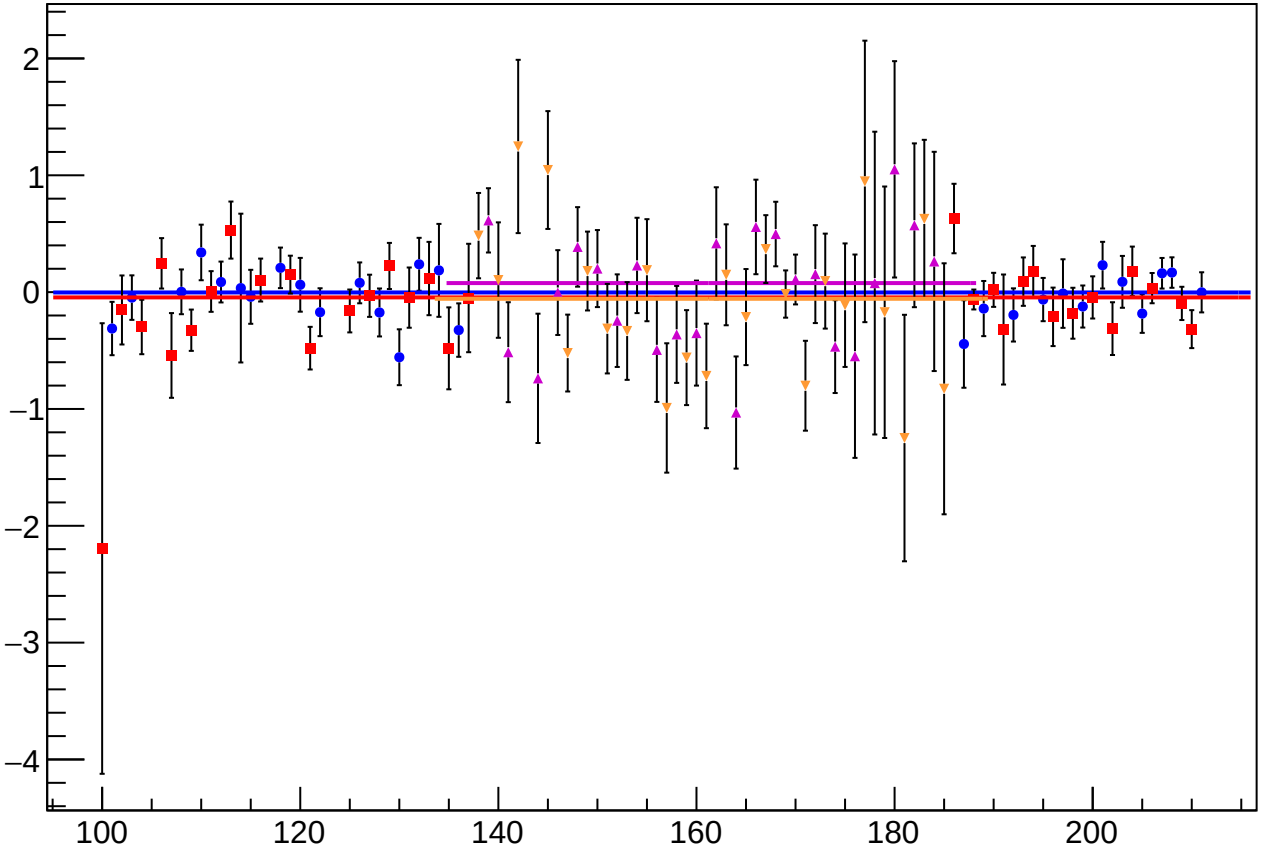
Left In: 0.000+/-0.000 χ^2/NDF:2922990.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 14909533.6/51

All: 0.000+/-0.000 χ^2/NDF: 26543410.7/106

- sign 0.000+/-0.000 χ^2/NDF: 10529588.2/54

asym_usl_atl2_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.003+/-0.038 χ^2/NDF: 25.1/27

Left Out: -0.057+/-0.085 χ^2/NDF:30.4/23

Right Out: -0.045+/-0.034 χ^2/NDF: 40.1/31

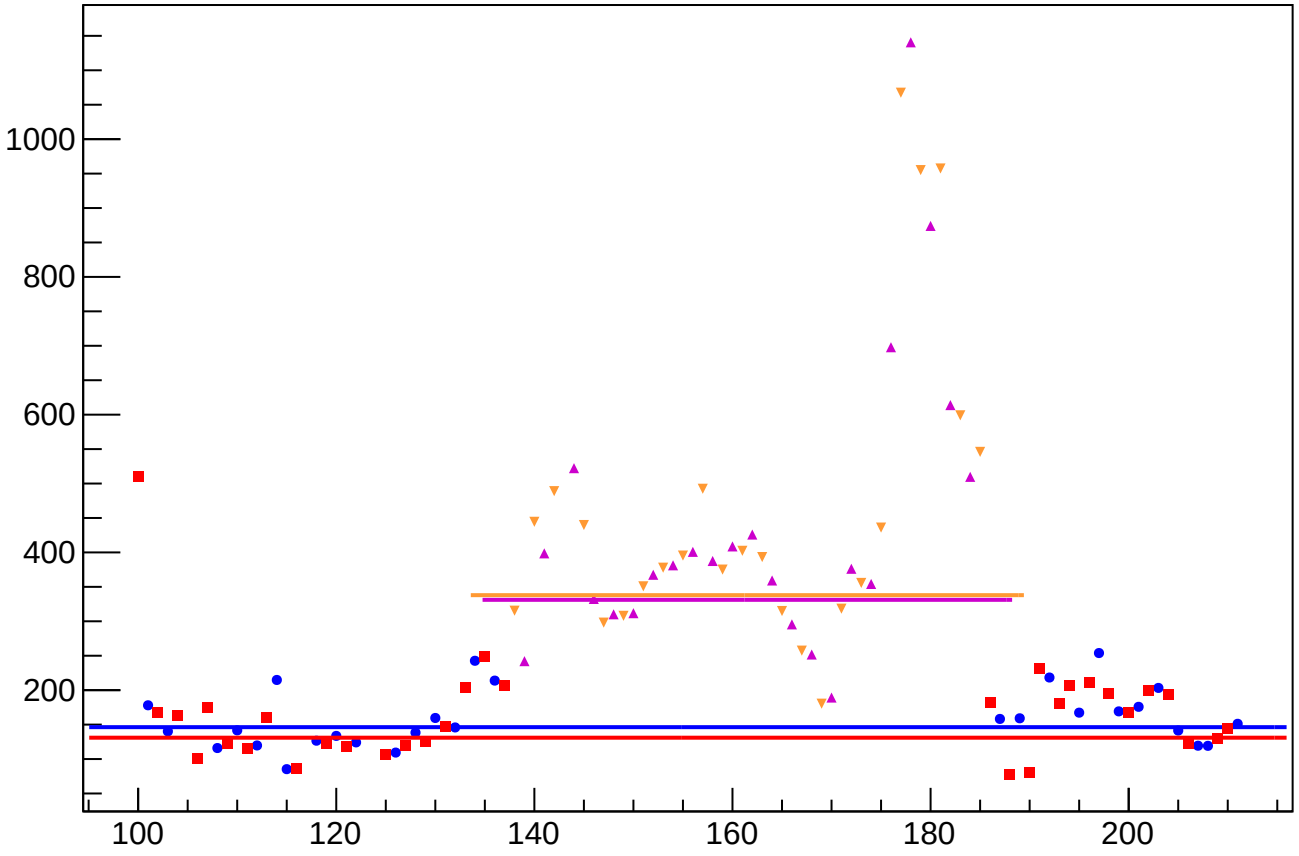
Left In: 0.077+/-0.083 χ^2/NDF:27.0/22

+ sign -0.012+/-0.035 χ^2/NDF: 55.9/51

All: -0.021+/-0.023 χ^2/NDF: 125.0/106

- sign -0.028+/-0.031 χ^2/NDF: 69.0/54

asym_usl_atl2_avg_dit_vs_cor_diff_rms vs Slug



Right In: 146.289+/-0.027 χ^2/NDF: 1631134.3/27

Left Out: 337.937+/-0.060 χ^2/NDF:4517129.8/23

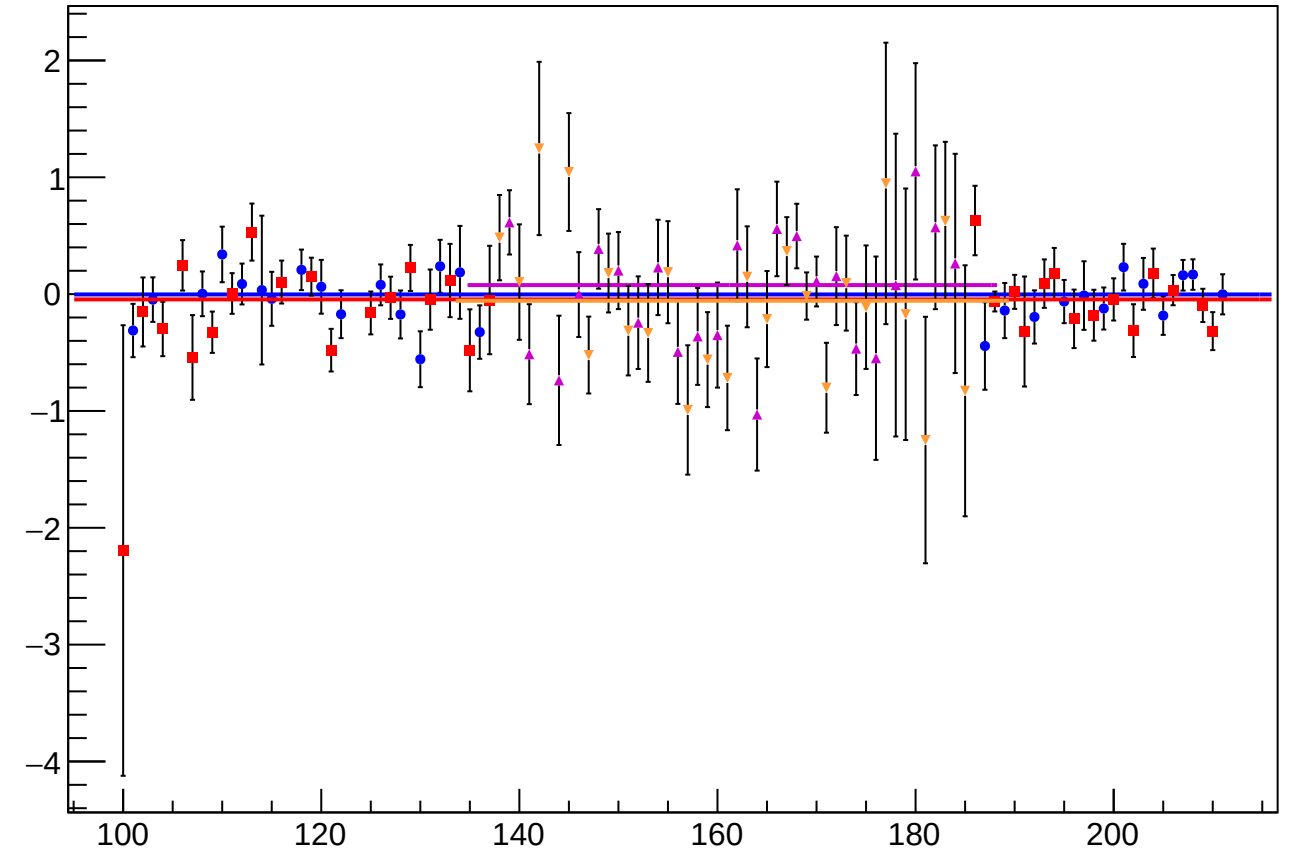
Right Out: 130.994+/-0.024 χ^2/NDF: 3221232.2/31

Left In: 331.158+/-0.059 χ^2/NDF:4106959.8/22

+ sign 178.040+/-0.025 χ^2/NDF: 14539921.2/51

All: 167.872+/-0.017 χ^2/NDF: 32053704.2/10

- sign 159.534+/-0.022 χ^2/NDF: 17202747.8/54



Right In: -0.003+/-0.038 χ^2/NDF: 25.1/27

Left Out: -0.057+/-0.085 χ^2/NDF:30.4/23

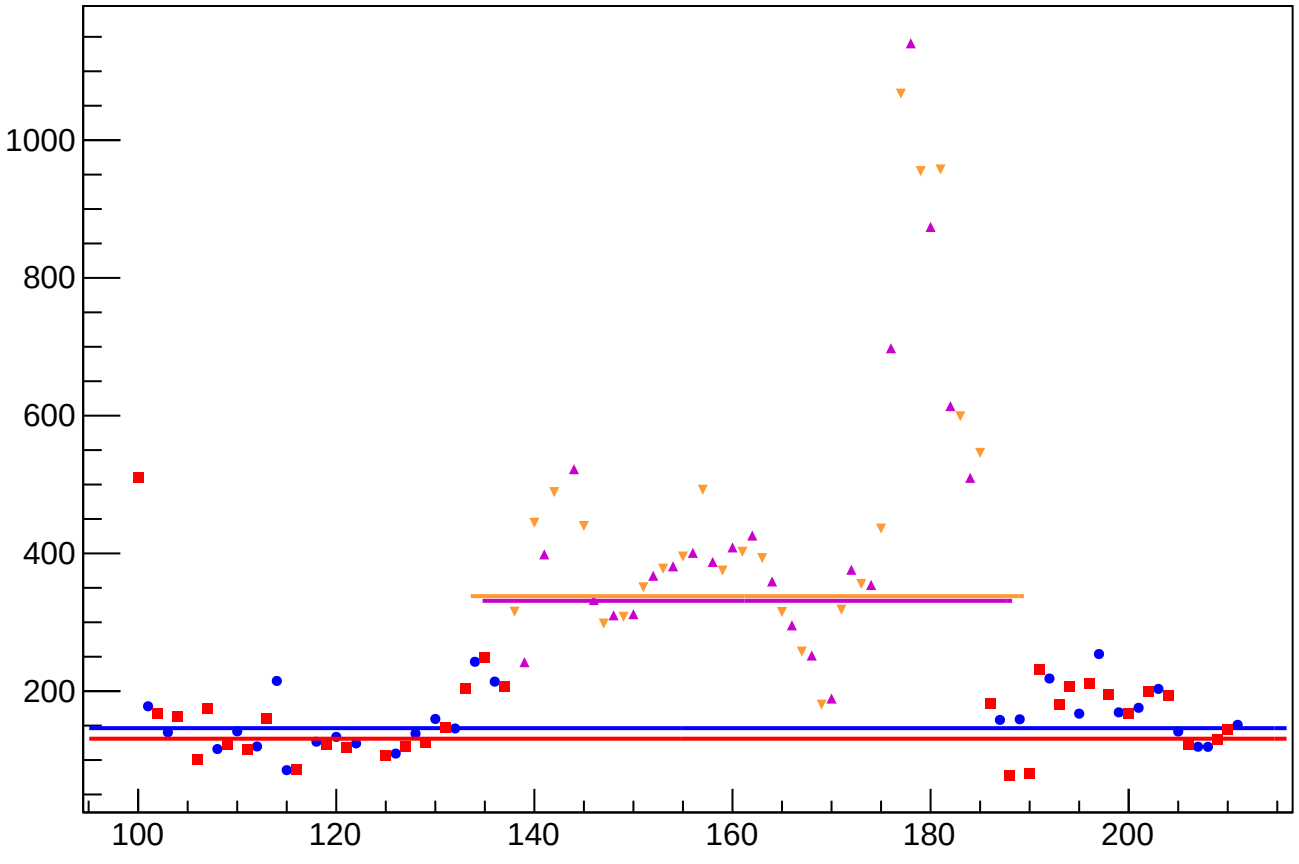
Right Out: -0.045+/-0.034 χ^2/NDF: 40.1/31

Left In: 0.077+/-0.083 χ^2/NDF:27.0/22

+ sign -0.012+/-0.035 χ^2/NDF: 55.9/51

All: -0.021+/-0.023 χ^2/NDF: 125.0/106

- sign -0.028+/-0.031 χ^2/NDF: 69.0/54



Right In: 146.289+/-0.027 χ^2/NDF: 1631134.3/27

Left Out: 337.937+/-0.060 χ^2/NDF:4517129.8/23

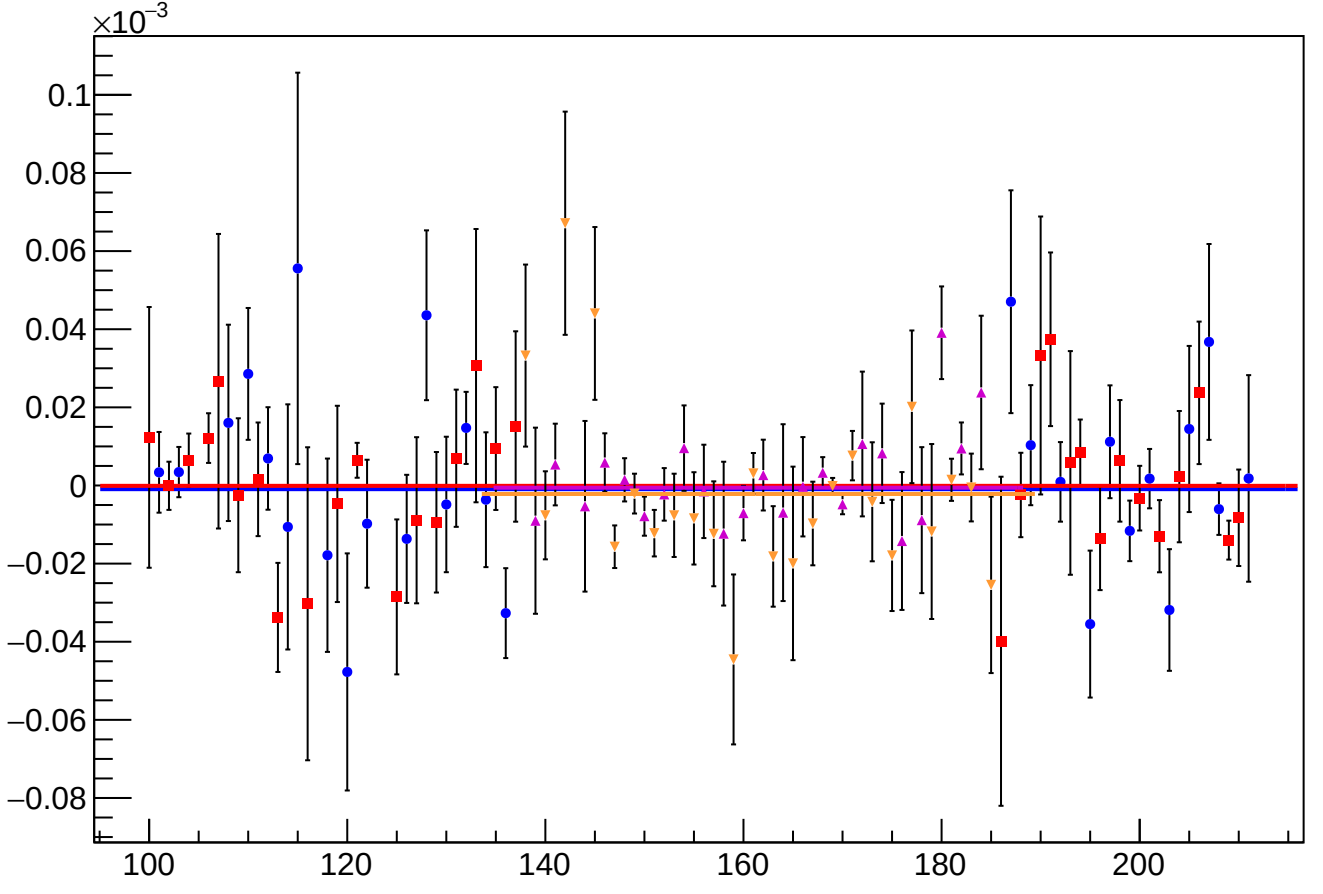
Right Out: 130.994+/-0.024 χ^2/NDF: 3221232.2/31

Left In: 331.158+/-0.059 χ^2/NDF:4106959.8/22

+ sign 178.040+/-0.025 χ^2/NDF: 14539921.2/51

All: 167.872+/-0.017 χ^2/NDF: 32053704.2/10

- sign 159.534+/-0.022 χ^2/NDF: 17202747.8/54



Right In: -0.000+/-0.000 χ^2/NDF: 41.2/27

Left Out: -0.000+/-0.000 χ^2/NDF:37.9/23

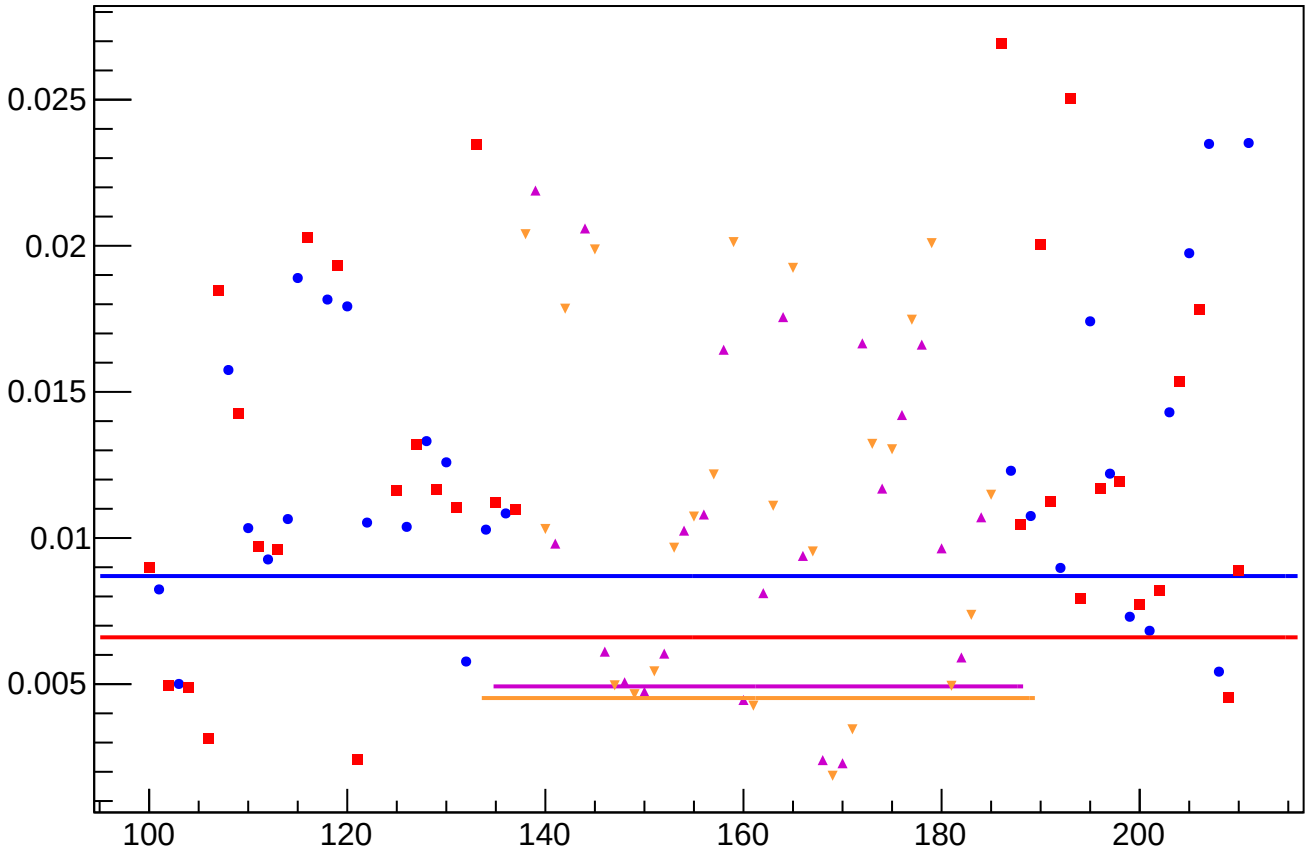
Right Out: -0.000+/-0.000 χ^2/NDF: 37.0/31

Left In: -0.000+/-0.000 χ^2/NDF:26.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 79.3/51

All: -0.000+/-0.000 χ^2/NDF: 143.3/106

- sign -0.000+/-0.000 χ^2/NDF: 63.2/54



Right In: 0.009+/-0.000 χ^2/NDF: 5351970.2/27

Left Out: 0.005+/-0.000 χ^2/NDF:14239550.6/23

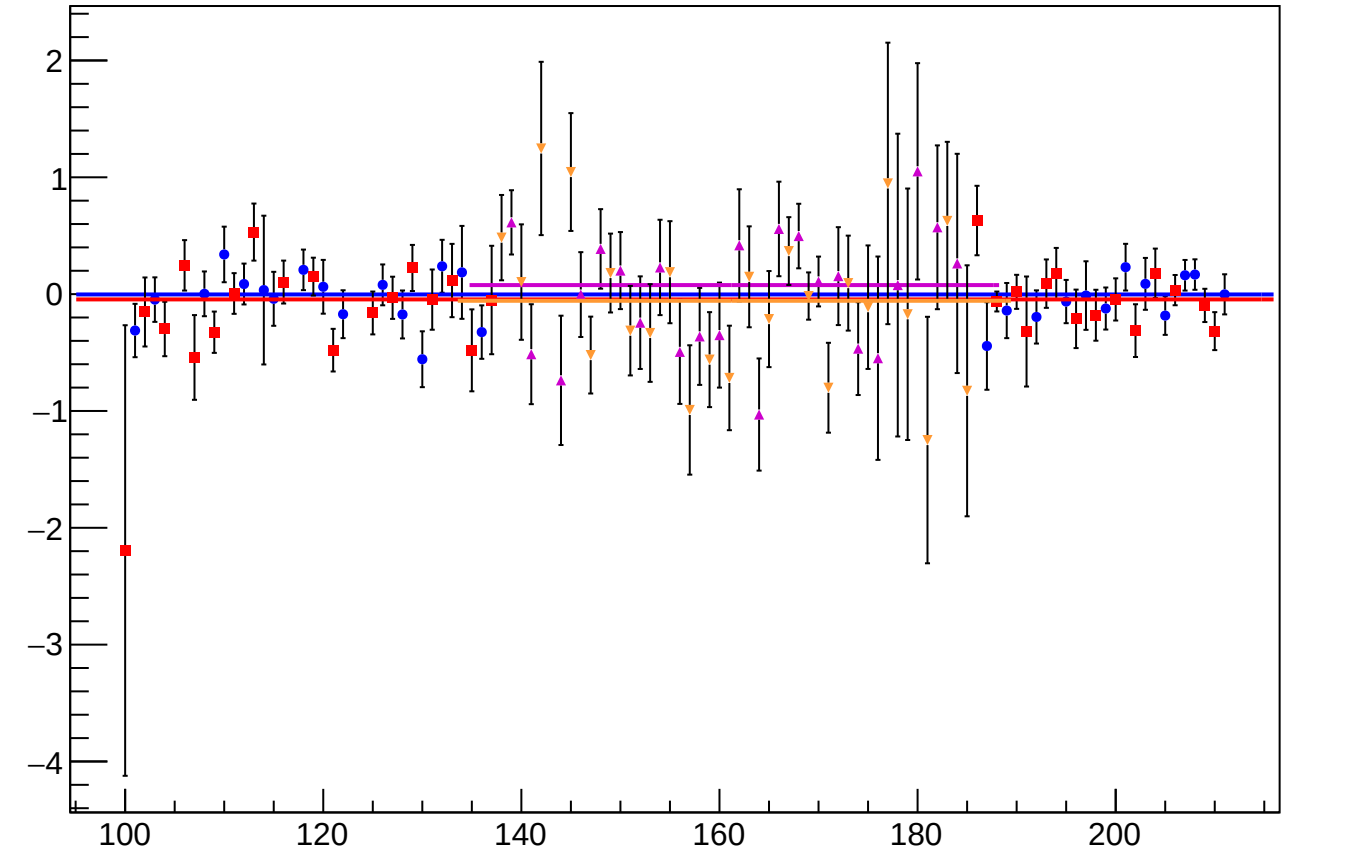
Right Out: 0.007+/-0.000 χ^2/NDF: 9666477.9/31

Left In: 0.005+/-0.000 χ^2/NDF:11626984.8/22

\+ sign 0.006+/-0.000 χ^2/NDF: 24095678.5/51

All: 0.006+/-0.000 χ^2/NDF: 46346866.3/106

\- sign 0.006+/-0.000 χ^2/NDF: 22250780.7/54



Right In: -0.003+/-0.038 χ^2/NDF: 25.1/27

Left Out: -0.057+/-0.085 χ^2/NDF:30.4/23

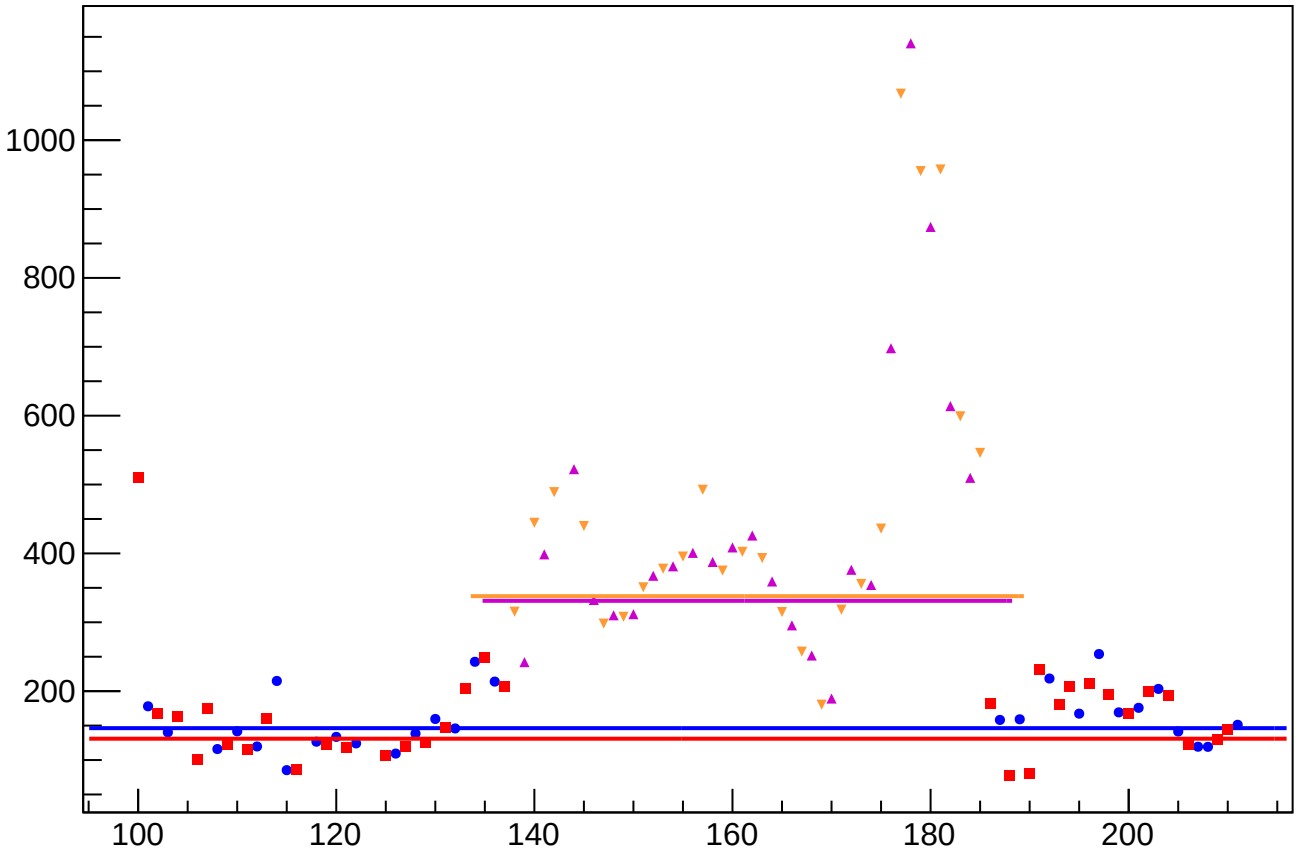
Right Out: -0.045+/-0.034 χ^2/NDF: 40.1/31

Left In: 0.077+/-0.083 χ^2/NDF:27.0/22

\+ sign -0.012+/-0.035 χ^2/NDF: 55.9/51

All: -0.021+/-0.023 χ^2/NDF: 125.0/106

\- sign -0.028+/-0.031 χ^2/NDF: 69.0/54



Right In: 146.290+/-0.027 χ^2/NDF: 1631116.4/27

Left Out: 337.939+/-0.060 χ^2/NDF:4517201.8/23

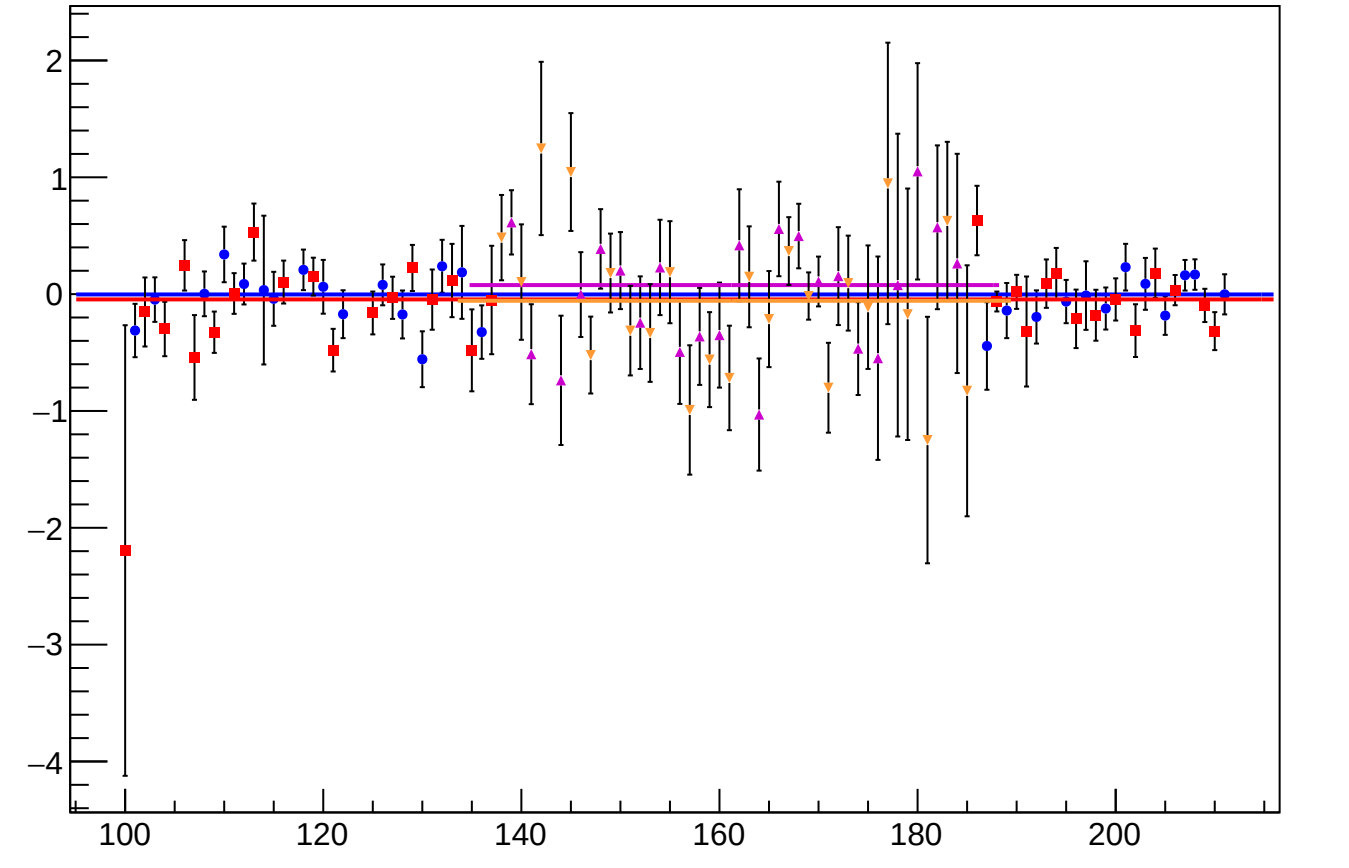
Right Out: 130.992+/-0.024 χ^2/NDF: 3221395.4/31

Left In: 331.161+/-0.059 χ^2/NDF:4106963.1/22

+ sign 178.041+/-0.025 χ^2/NDF: 14539976.3/51

All: 167.871+/-0.017 χ^2/NDF: 32054311.3/10

- sign 159.533+/-0.022 χ^2/NDF: 17203216.6/54



Right In: -0.003+/-0.038 χ^2/NDF: 25.1/27

Left Out: -0.057+/-0.085 χ^2/NDF:30.4/23

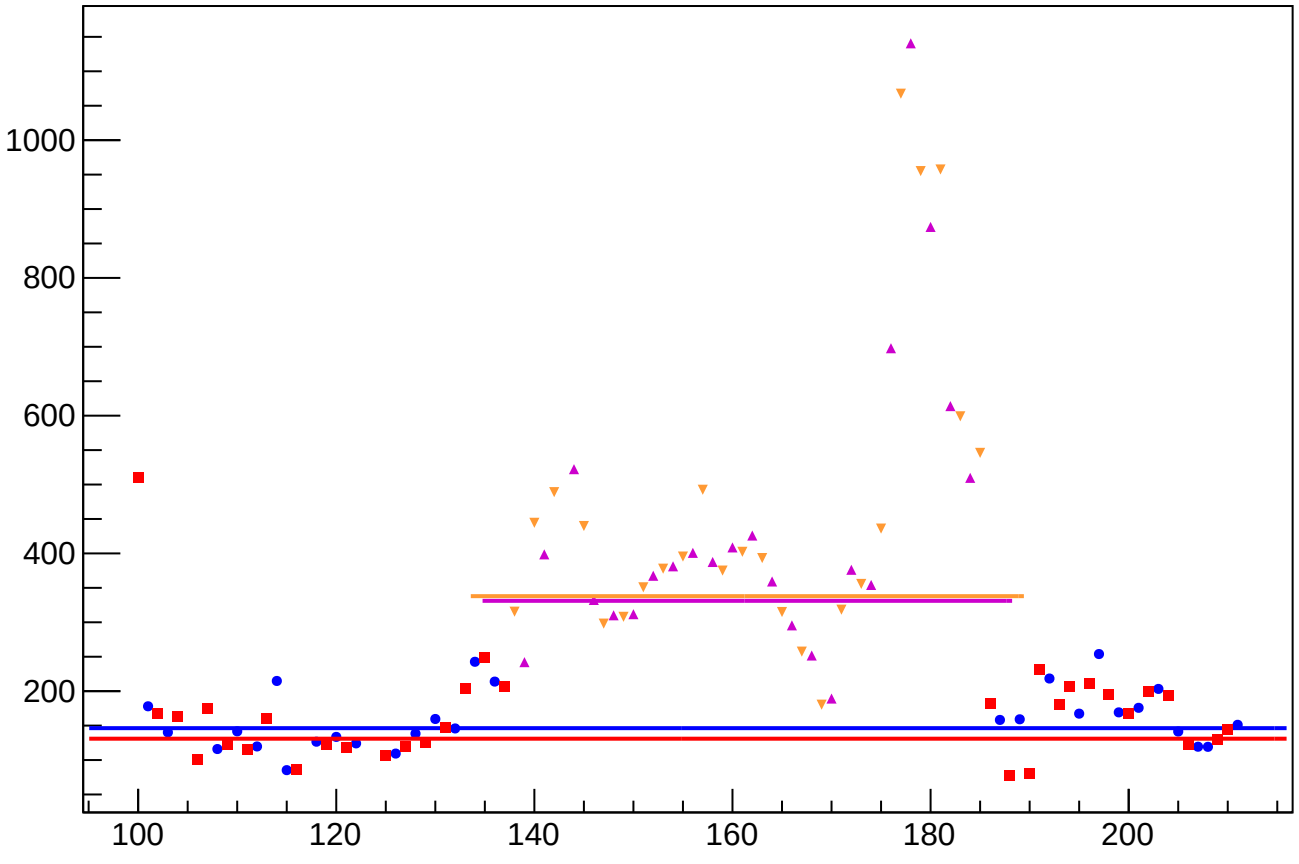
Right Out: -0.045+/-0.034 χ^2/NDF: 40.1/31

Left In: 0.077+/-0.083 χ^2/NDF:27.0/22

+ sign -0.012+/-0.035 χ^2/NDF: 55.9/51

All: -0.021+/-0.023 χ^2/NDF: 125.0/106

- sign -0.028+/-0.031 χ^2/NDF: 69.0/54



Right In: 146.290+/-0.027 χ^2/NDF: 1631116.4/27

Left Out: 337.939+/-0.060 χ^2/NDF:4517201.8/23

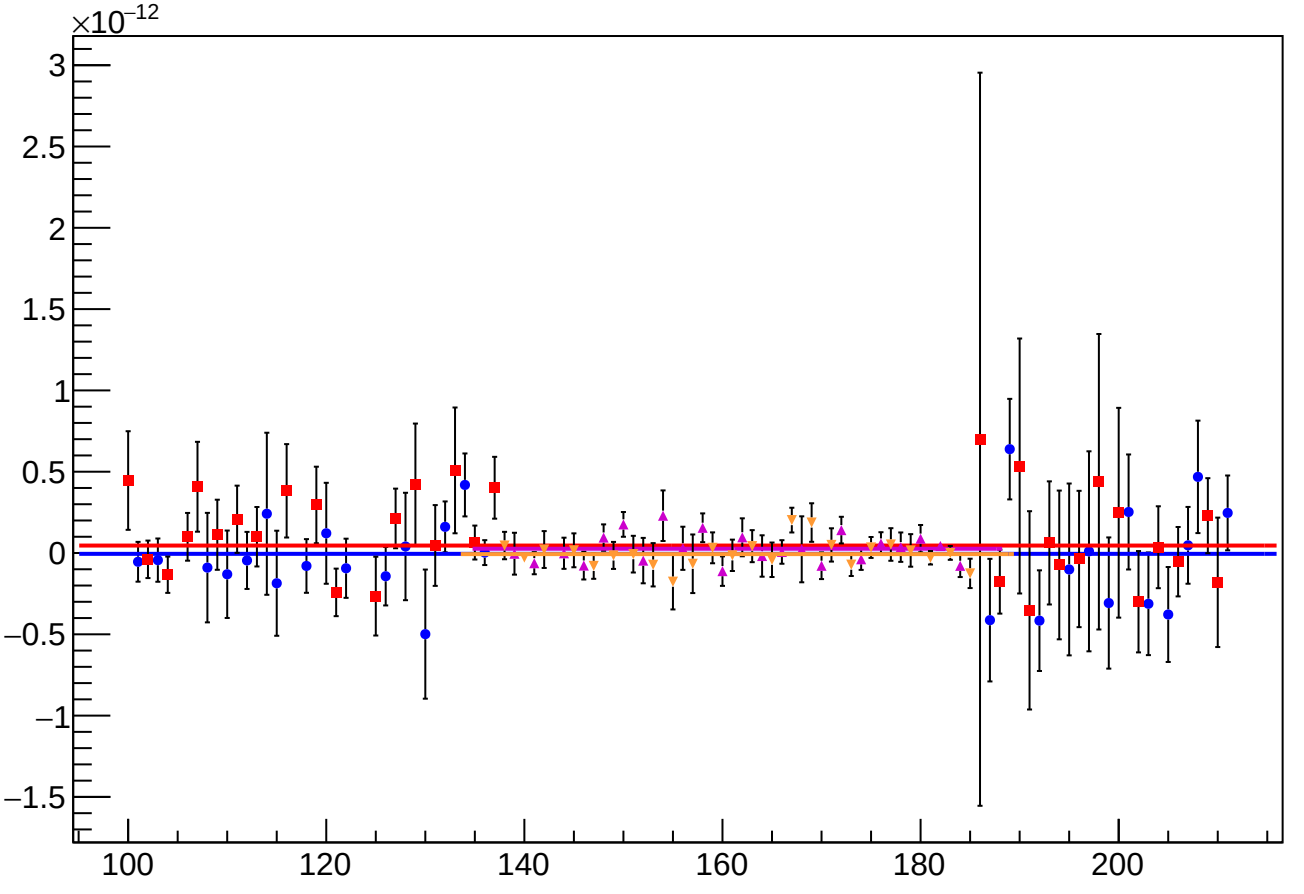
Right Out: 130.992+/-0.024 χ^2/NDF: 3221395.4/31

Left In: 331.161+/-0.059 χ^2/NDF:4106963.1/22

+ sign 178.041+/-0.025 χ^2/NDF: 14539976.3/51

All: 167.871+/-0.017 χ^2/NDF: 32054311.3/10

- sign 159.533+/-0.022 χ^2/NDF: 17203216.6/54



Right In: -0.000+/-0.000 χ^2/NDF: 23.9/27

Left Out: -0.000+/-0.000 χ^2/NDF:18.1/23

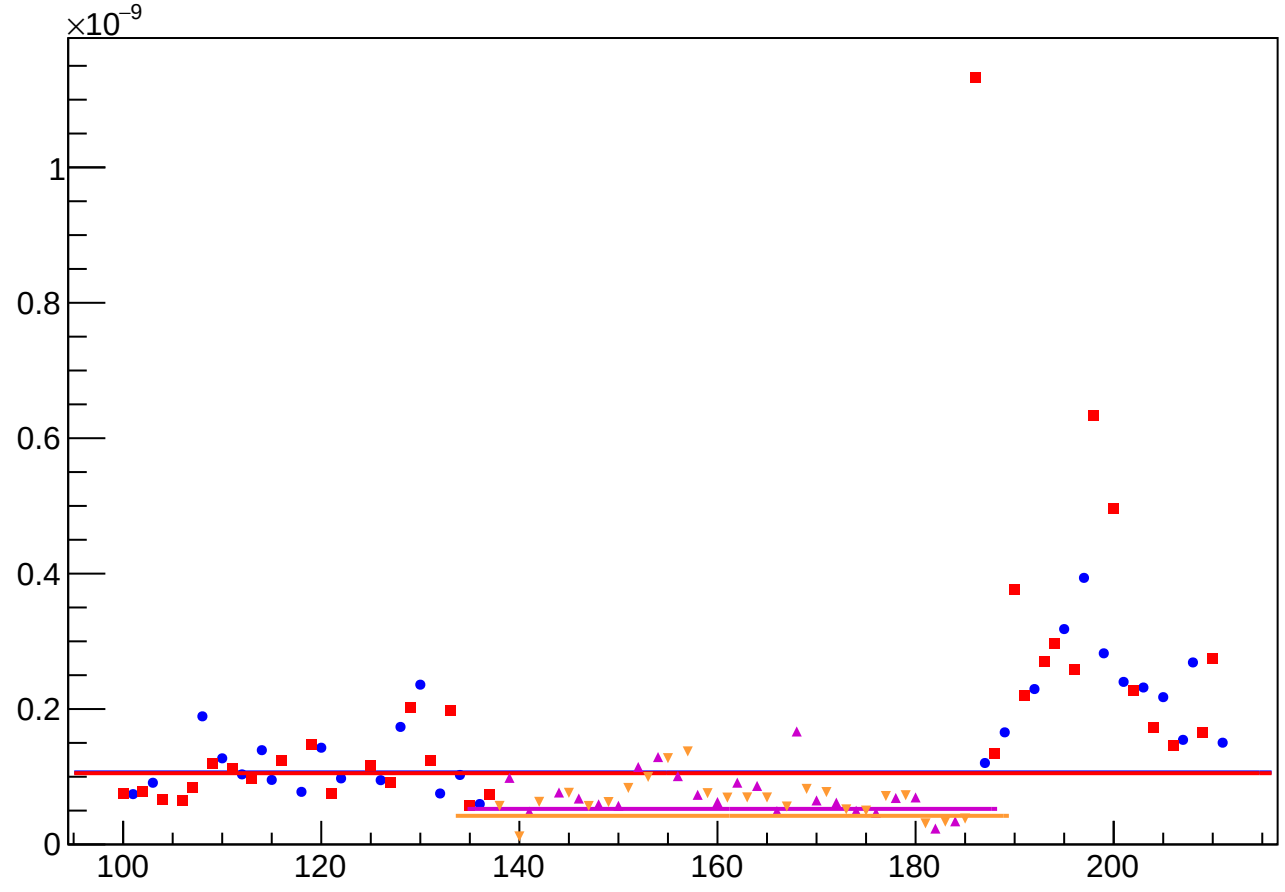
Right Out: 0.000+/-0.000 χ^2/NDF: 27.3/31

Left In: 0.000+/-0.000 χ^2/NDF:22.8/22

+ sign -0.000+/-0.000 χ^2/NDF: 42.0/51

All: 0.000+/-0.000 χ^2/NDF: 95.6/106

- sign 0.000+/-0.000 χ^2/NDF: 50.3/54



Right In: 0.000+/-0.000 χ^2/NDF: 4548340.2/27

Left Out: 0.000+/-0.000 χ^2/NDF:6680117.5/23

Right Out: 0.000+/-0.000 χ^2/NDF: 5645413.4/31

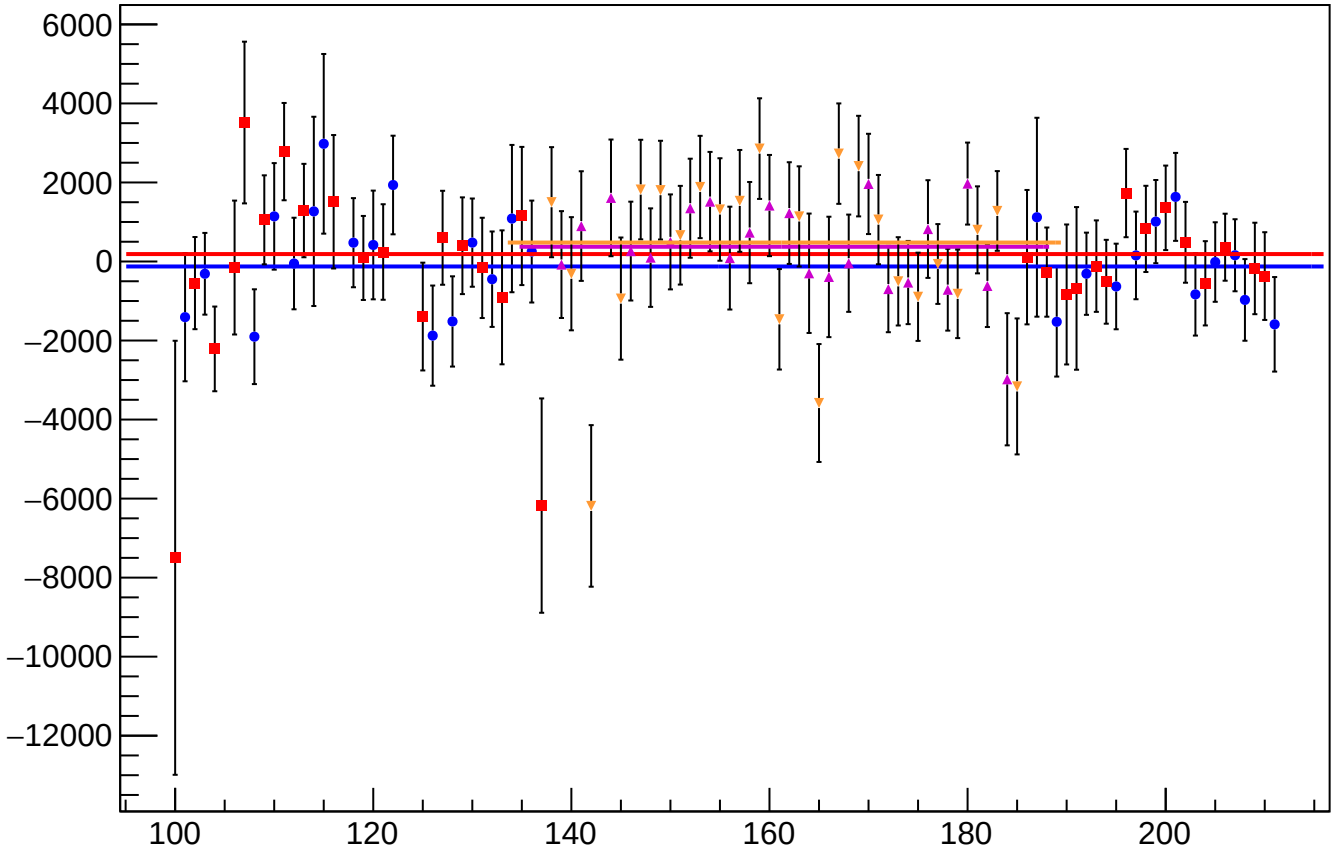
Left In: 0.000+/-0.000 χ^2/NDF:4897147.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 16070546.0/51

All: 0.000+/-0.000 χ^2/NDF: 30460710.2/106

- sign 0.000+/-0.000 χ^2/NDF: 13830388.1/54

reg_asym_usl_atl2_dd_mean vs Slug



Right In: -125.999+/-228.698 χ^2/NDF: 21.4/27

Left Out: 479.555+/-256.330 χ^2/NDF:45.2/23

Right Out: 187.987+/-222.081 χ^2/NDF: 30.0/31

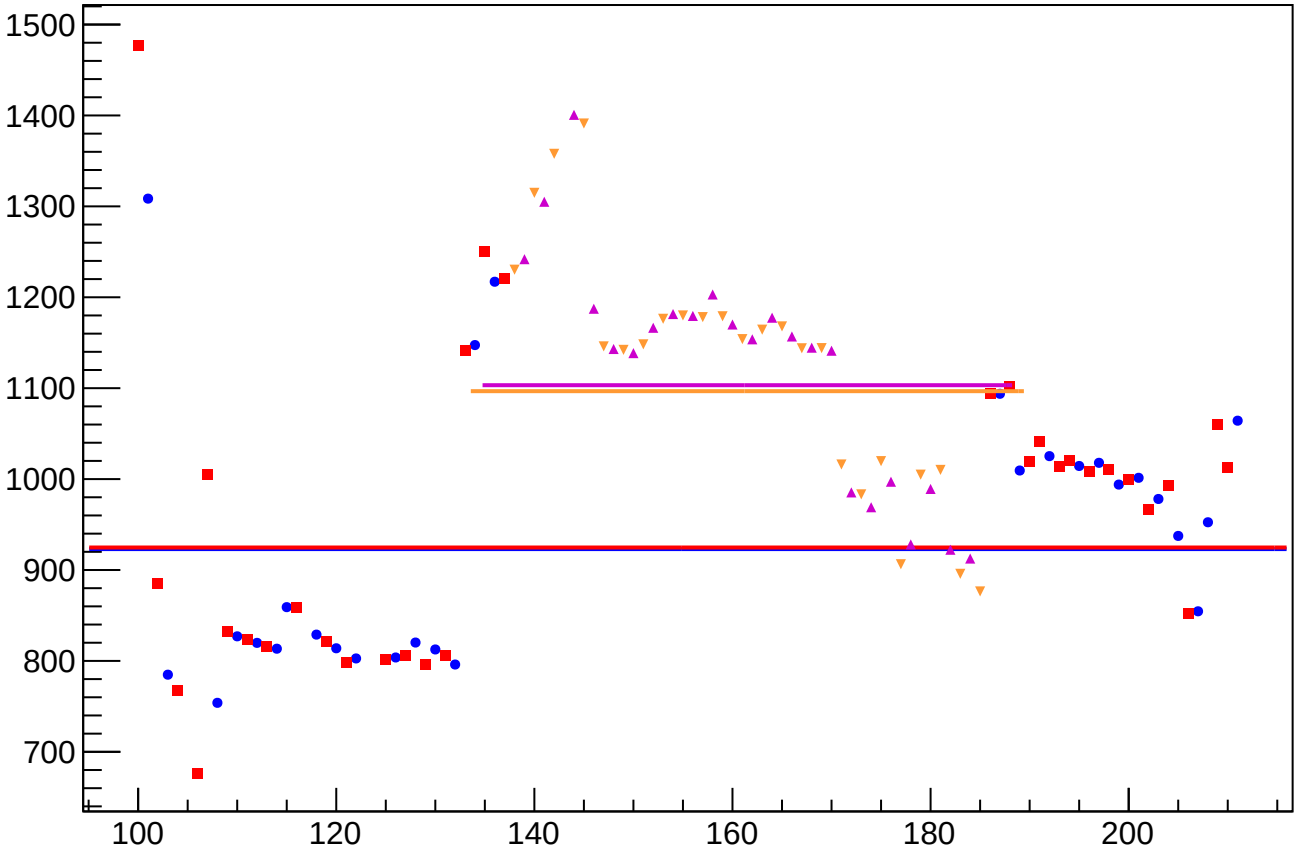
Left In: 372.926+/-259.314 χ^2/NDF:16.0/22

+ sign 142.392+/-170.650 χ^2/NDF: 69.6/51

All: 205.035+/-119.964 χ^2/NDF: 116.2/106

- sign 266.237+/-168.677 χ^2/NDF: 46.3/54

reg_asym_usl_atl2_dd_rms vs Slug



Right In: 923.014+/-0.162 χ^2/NDF: 604689.3/27

Left Out: 1096.711+/-0.181 χ^2/NDF:480498.6/23

Right Out: 924.750+/-0.156 χ^2/NDF: 640817.1/31

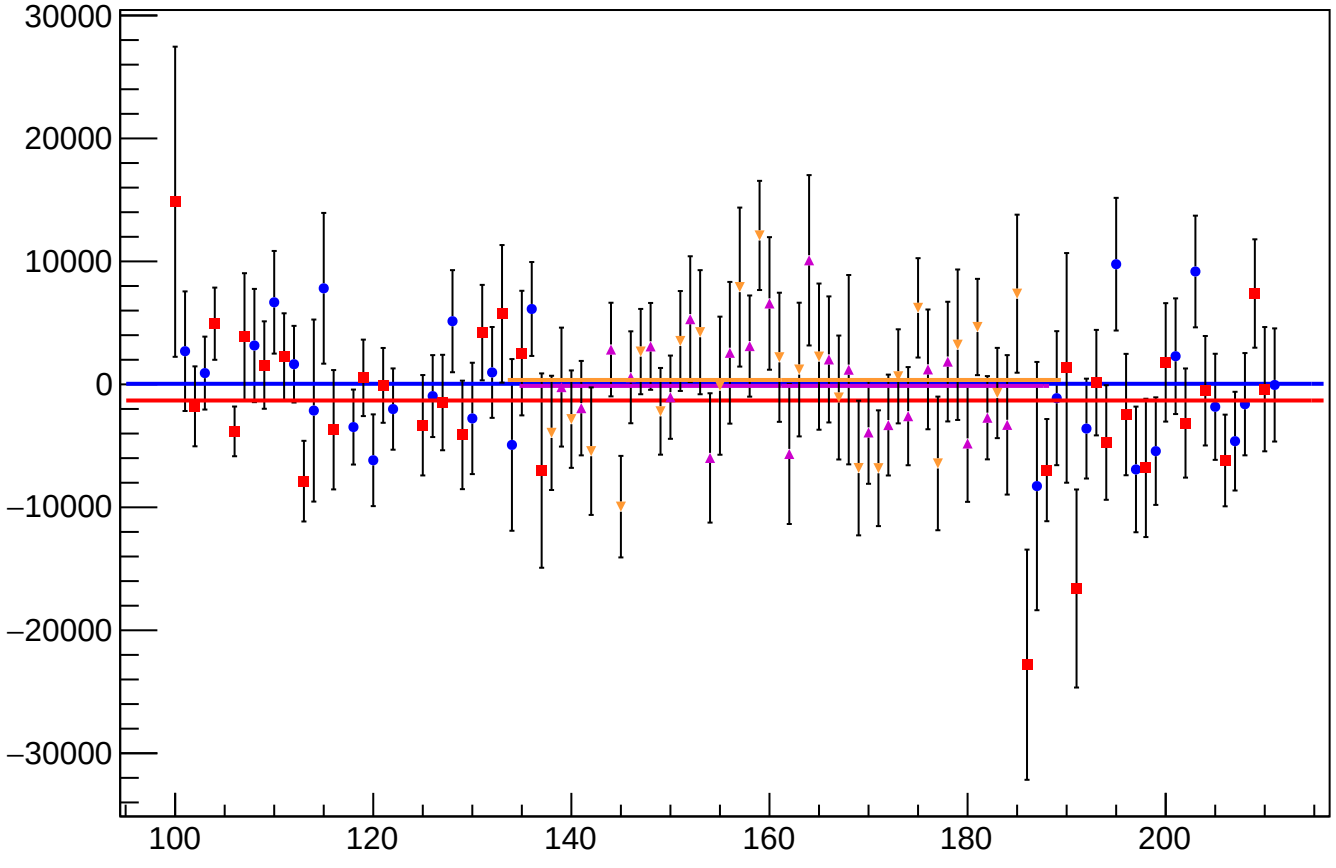
Left In: 1103.281+/-0.183 χ^2/NDF:447540.4/22

+ sign 999.999+/-0.121 χ^2/NDF: 1596522.2/51

All: 999.883+/-0.085 χ^2/NDF: 3234515.2/106

- sign 999.770+/-0.119 χ^2/NDF: 1637991.2/54

asym_usl_atl2_dd_reg_correction_mean vs Slug



Right In: 46.199+/-795.036 χ^2/NDF: 29.1/27

Left Out: 357.729+/-934.220 χ^2/NDF:30.3/23

Right Out: -1311.991+/-723.041 χ^2/NDF: 39.3/31

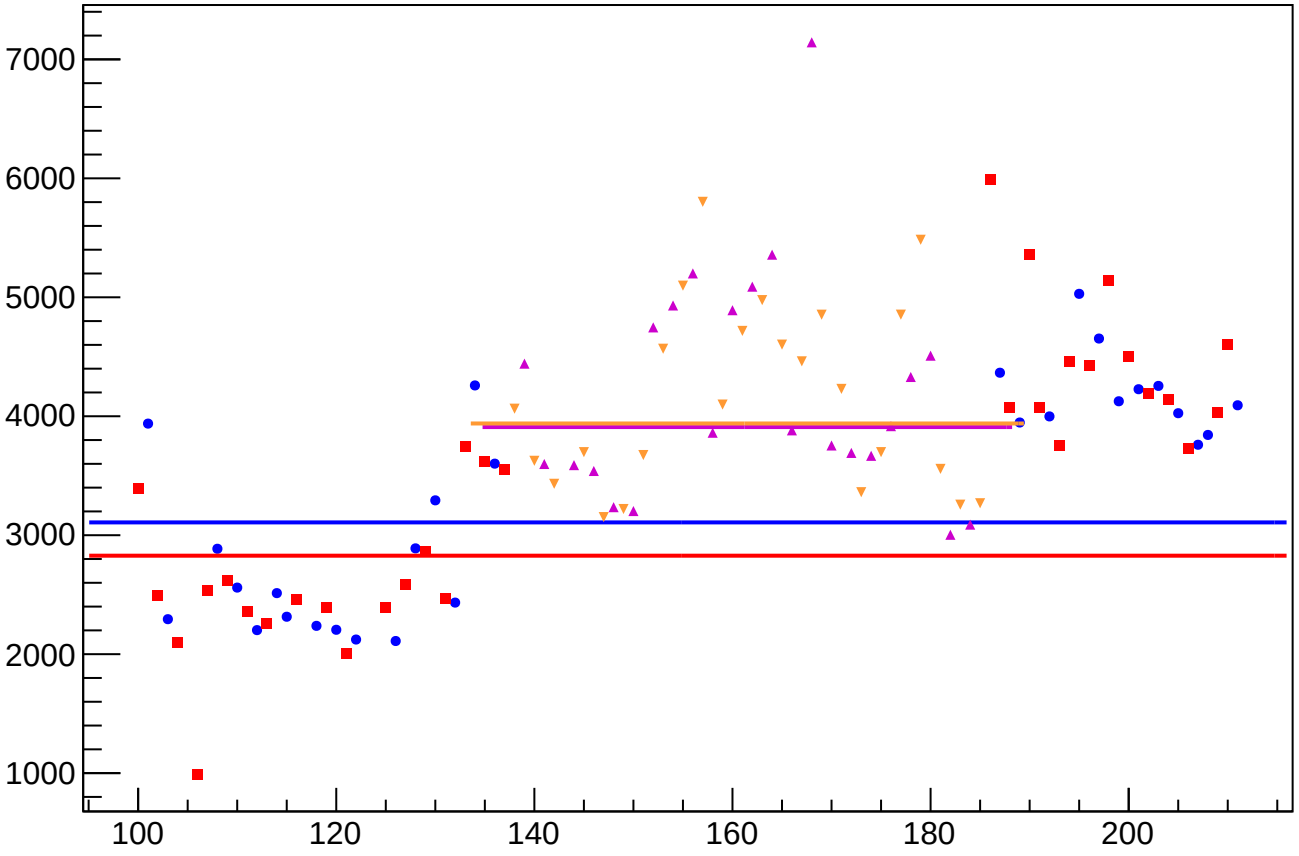
Left In: -126.696+/-932.645 χ^2/NDF:13.8/22

+ sign 177.051+/-605.465 χ^2/NDF: 59.4/51

All: -375.158+/-415.574 χ^2/NDF: 115.0/106

- sign -867.031+/-571.431 χ^2/NDF: 54.0/54

asym_usl_atl2_dd_reg_correction_rms vs Slug



Right In: 3107.655+/-0.562 χ^2/NDF: 2521149.7/27

Left Out: 3939.261+/-0.661 χ^2/NDF:1092666.9/23

Right Out: 2827.895+/-0.511 χ^2/NDF: 4884381.7/31

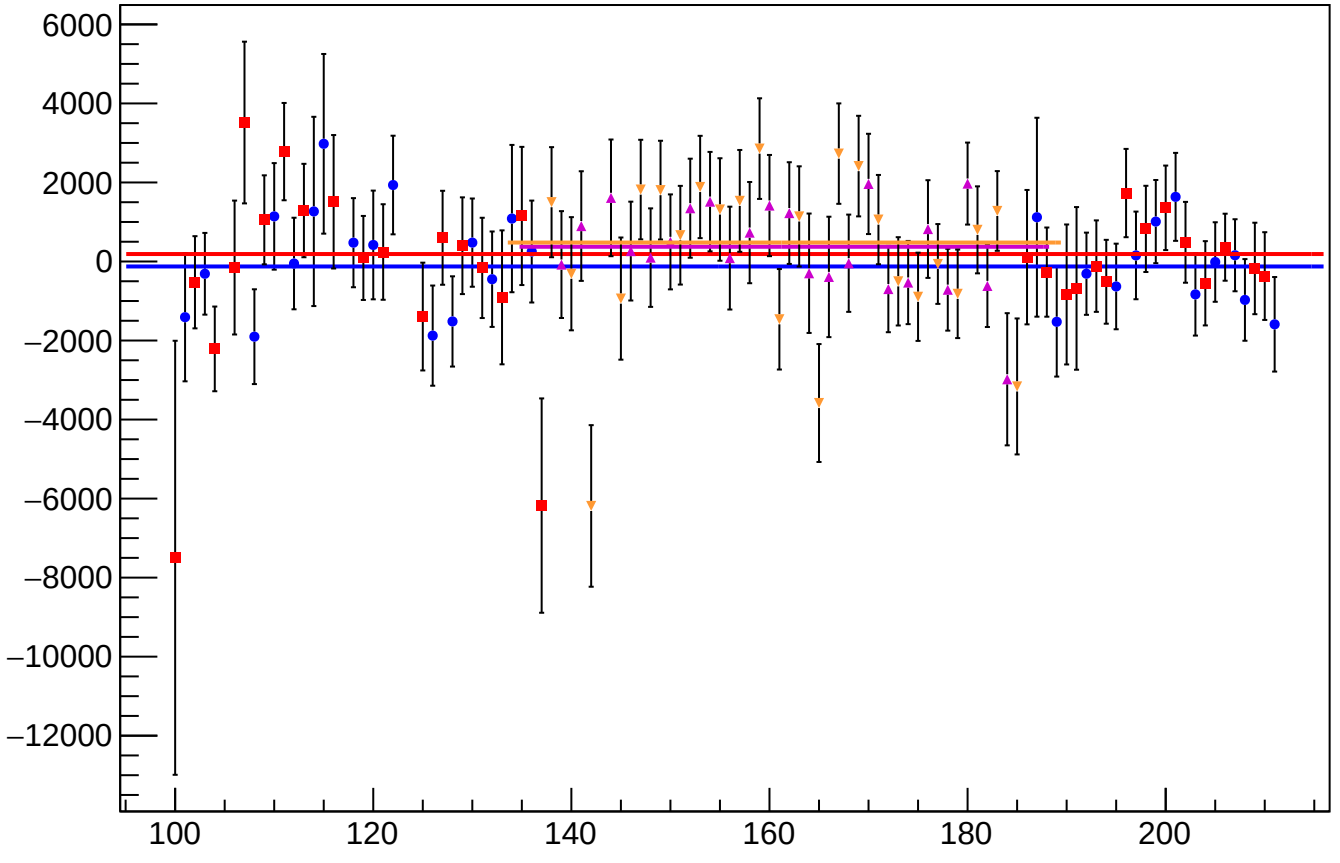
Left In: 3909.133+/-0.659 χ^2/NDF:1300774.2/22

+ sign 3456.954+/-0.428 χ^2/NDF: 4532937.9/51

All: 3338.925+/-0.294 χ^2/NDF: 12540762.0/1

- sign 3233.792+/-0.404 χ^2/NDF: 7864121.9/54

cor_asym_usl_atl2_dd_mean vs Slug



Right In: -125.996+/-228.698 χ^2/NDF: 21.4/27

Left Out: 479.583+/-256.330 χ^2/NDF:45.2/23

Right Out: 188.778+/-222.082 χ^2/NDF: 29.9/31

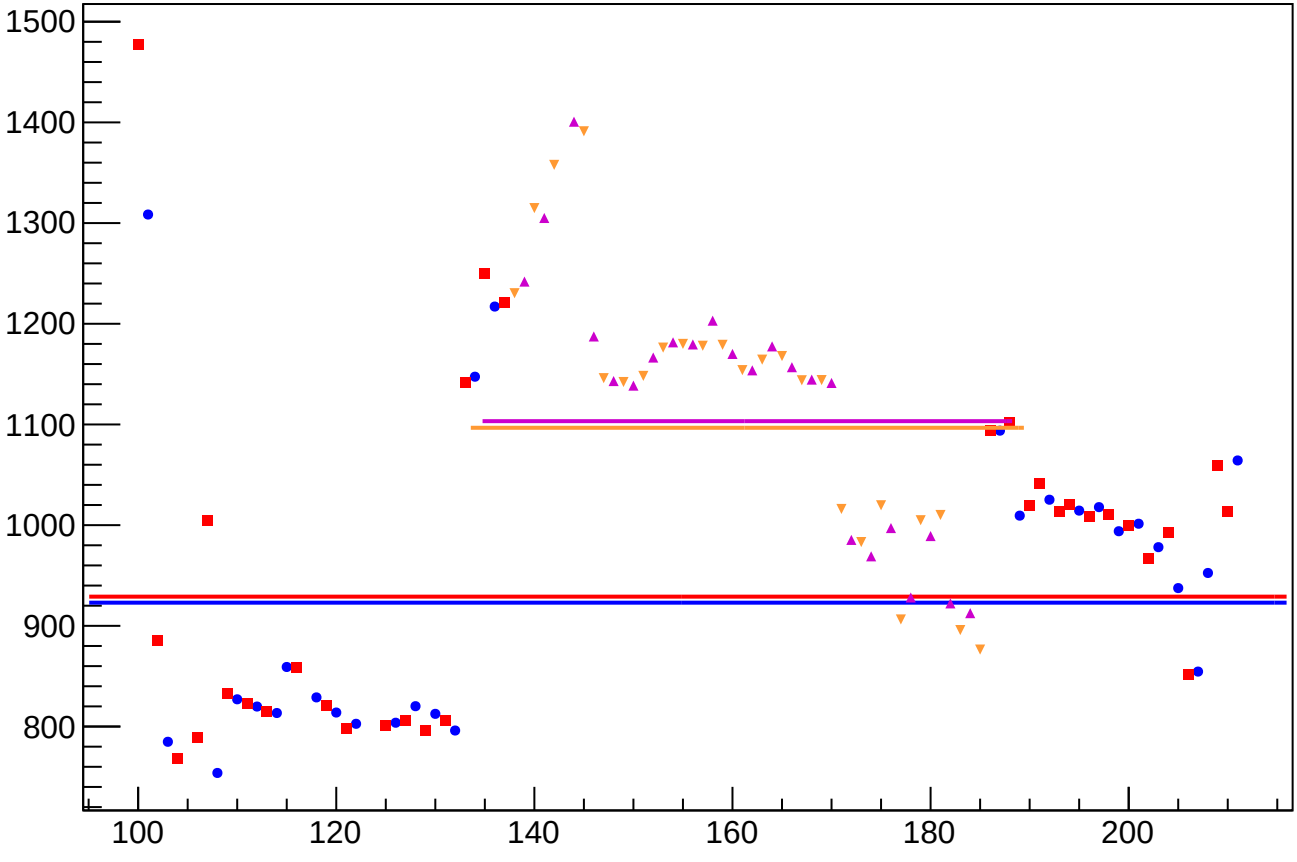
Left In: 372.901+/-259.314 χ^2/NDF:16.0/22

+ sign 142.406+/-170.650 χ^2/NDF: 69.6/51

All: 205.267+/-119.964 χ^2/NDF: 116.2/106

- sign 266.684+/-168.678 χ^2/NDF: 46.3/54

cor_asym_usl_atl2_dd_rms vs Slug



Right In: 923.014+/-0.162 χ^2/NDF: 604689.1/27

Left Out: 1096.711+/-0.181 χ^2/NDF:480498.6/23

Right Out: 928.997+/-0.157 χ^2/NDF: 583211.9/31

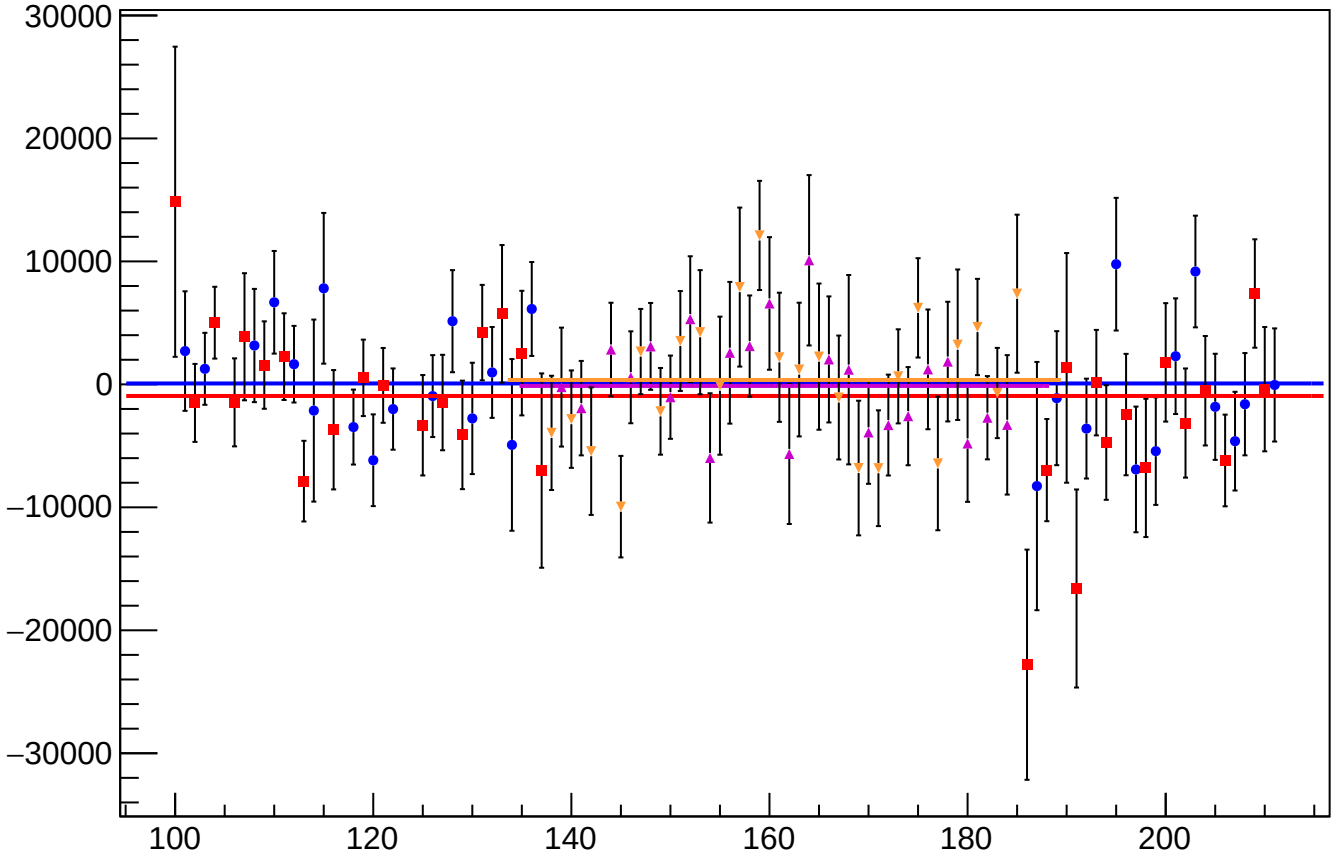
Left In: 1103.281+/-0.183 χ^2/NDF:447540.3/22

+ sign 999.999+/-0.121 χ^2/NDF: 1596522.3/51

All: 1001.281+/-0.085 χ^2/NDF: 3149752.3/10

- sign 1002.530+/-0.119 χ^2/NDF: 1553007.3/54

asym_usl_atl2_dd_cor_correction_mean vs Slug



Right In: 73.748+/-794.272 χ^2/NDF: 29.2/27

Left Out: 357.728+/-934.221 χ^2/NDF:30.3/23

Right Out: -943.471+/-755.434 χ^2/NDF: 37.6/31

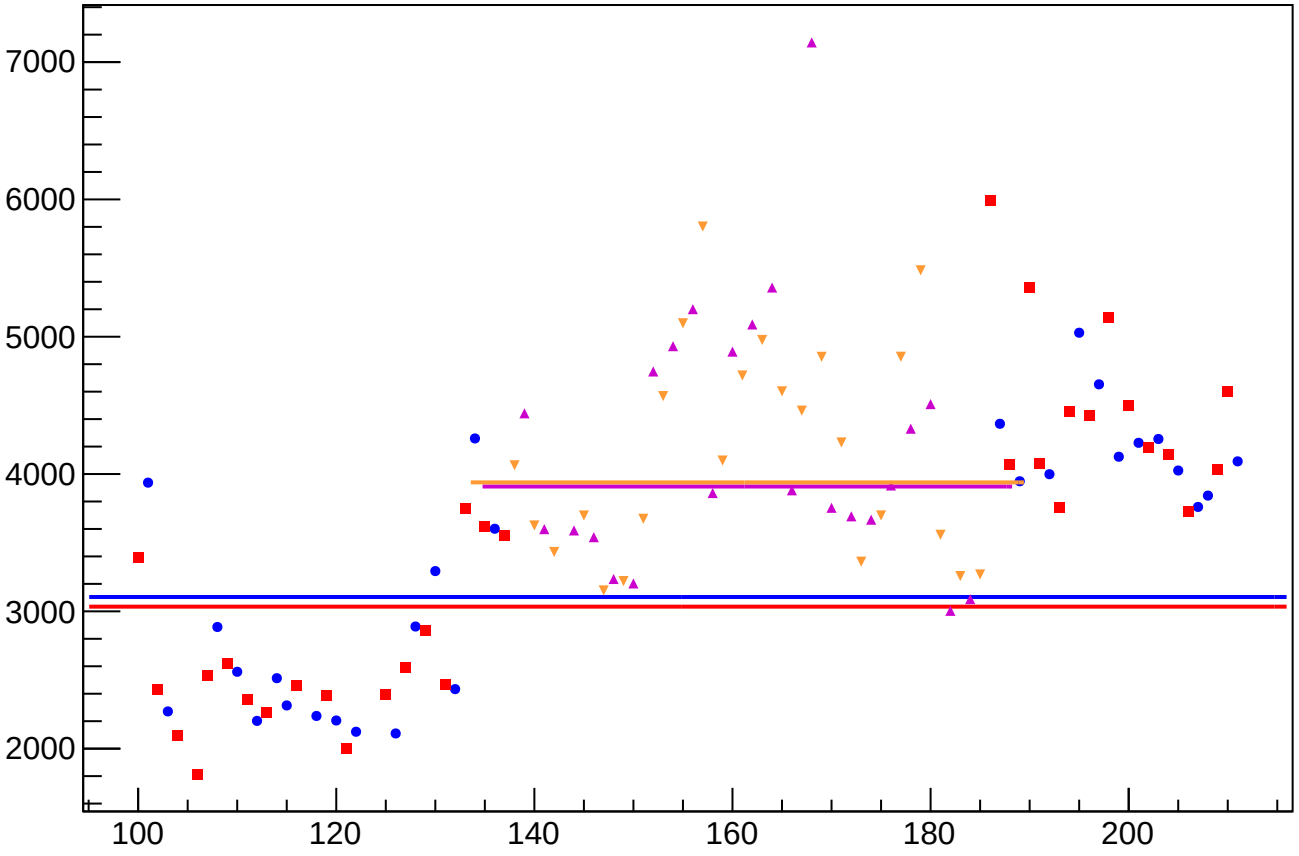
Left In: -126.635+/-932.644 χ^2/NDF:13.8/22

+ sign 192.895+/-605.128 χ^2/NDF: 59.5/51

All: -225.827+/-421.343 χ^2/NDF: 112.3/106

- sign -619.868+/-587.023 χ^2/NDF: 51.8/54

asym_usl_atl2_dd_cor_correction_rms vs Slug



Right In: 3104.387+/-0.562 χ^2/NDF: 2533912.7/27

Left Out: 3939.266+/-0.661 χ^2/NDF:1092657.5/23

Right Out: 3034.159+/-0.534 χ^2/NDF: 3252998.2/31

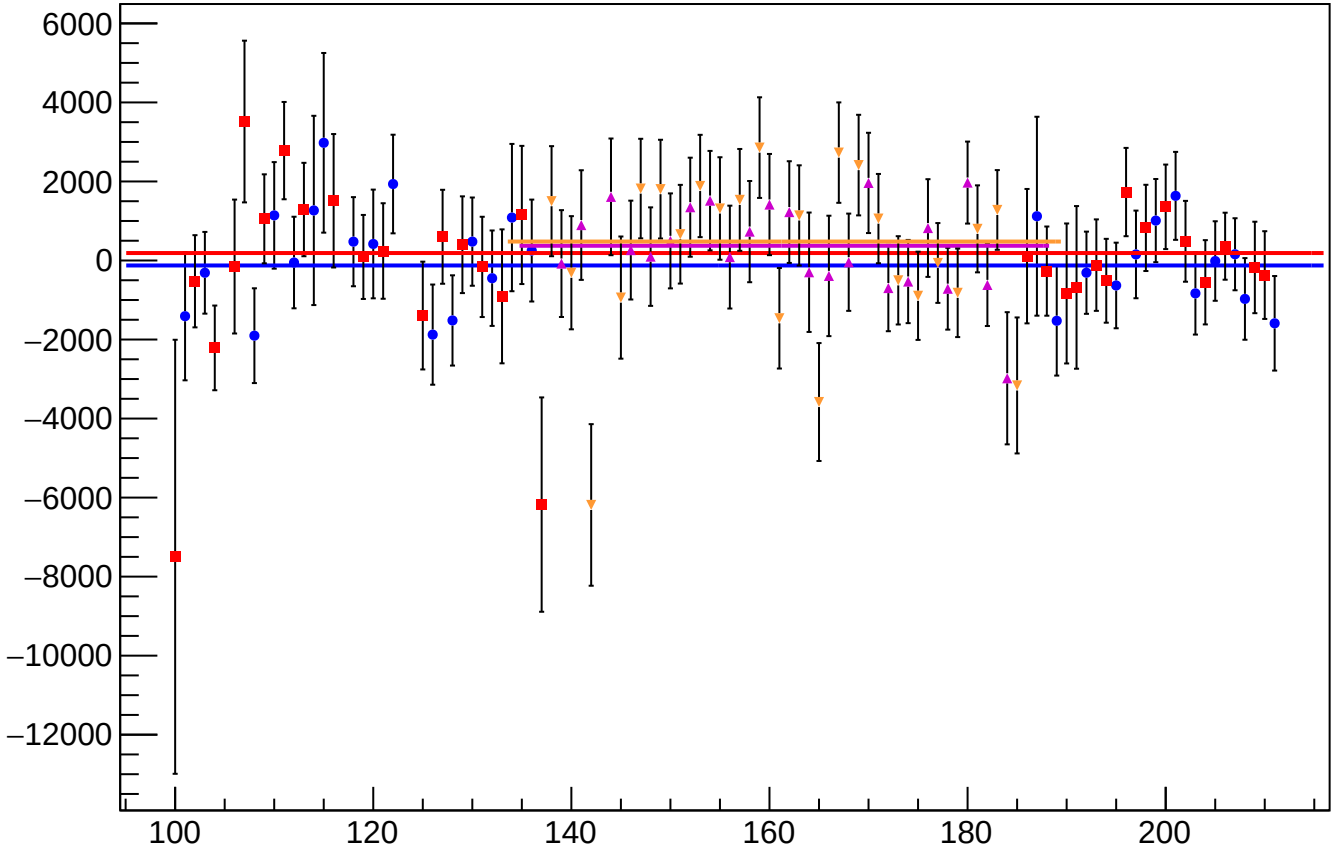
Left In: 3909.128+/-0.659 χ^2/NDF:1300782.7/22

+ sign 3454.670+/-0.428 χ^2/NDF: 4553684.5/51

All: 3416.610+/-0.298 χ^2/NDF: 10185741.3/1

- sign 3380.793+/-0.415 χ^2/NDF: 5616699.2/54

eigen_cor_asym_usl_atl2_dd_mean vs Slug



Right In: -125.996+/-228.698 χ^2/NDF: 21.4/27

Left Out: 479.583+/-256.330 χ^2/NDF:45.2/23

Right Out: 188.778+/-222.082 χ^2/NDF: 29.9/31

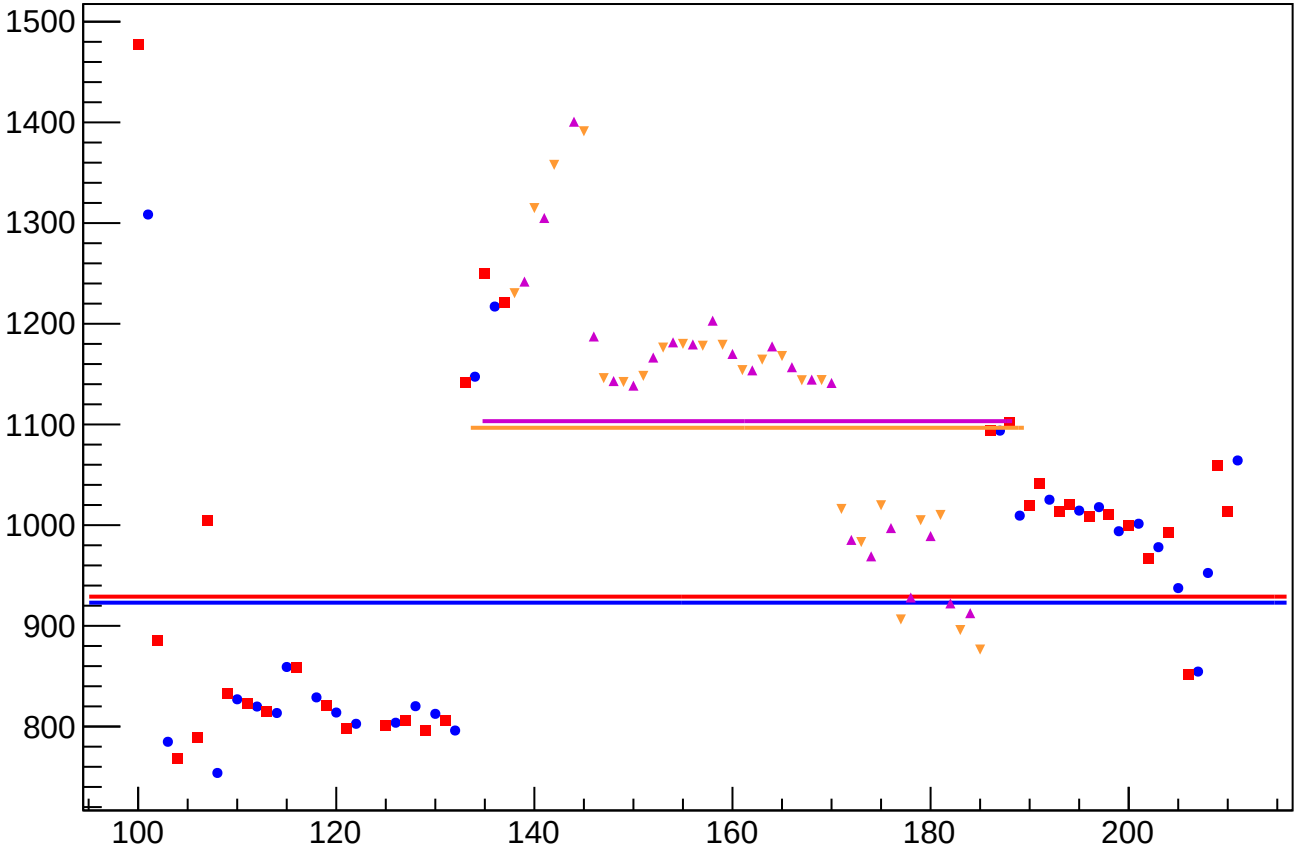
Left In: 372.901+/-259.314 χ^2/NDF:16.0/22

+ sign 142.406+/-170.650 χ^2/NDF: 69.6/51

All: 205.267+/-119.964 χ^2/NDF: 116.2/106

- sign 266.684+/-168.678 χ^2/NDF: 46.3/54

eigen_cor_asym_usl_atl2_dd_rms vs Slug



Right In: 923.014+/-0.162 χ^2/NDF: 604689.1/27

Left Out: 1096.711+/-0.181 χ^2/NDF:480498.6/23

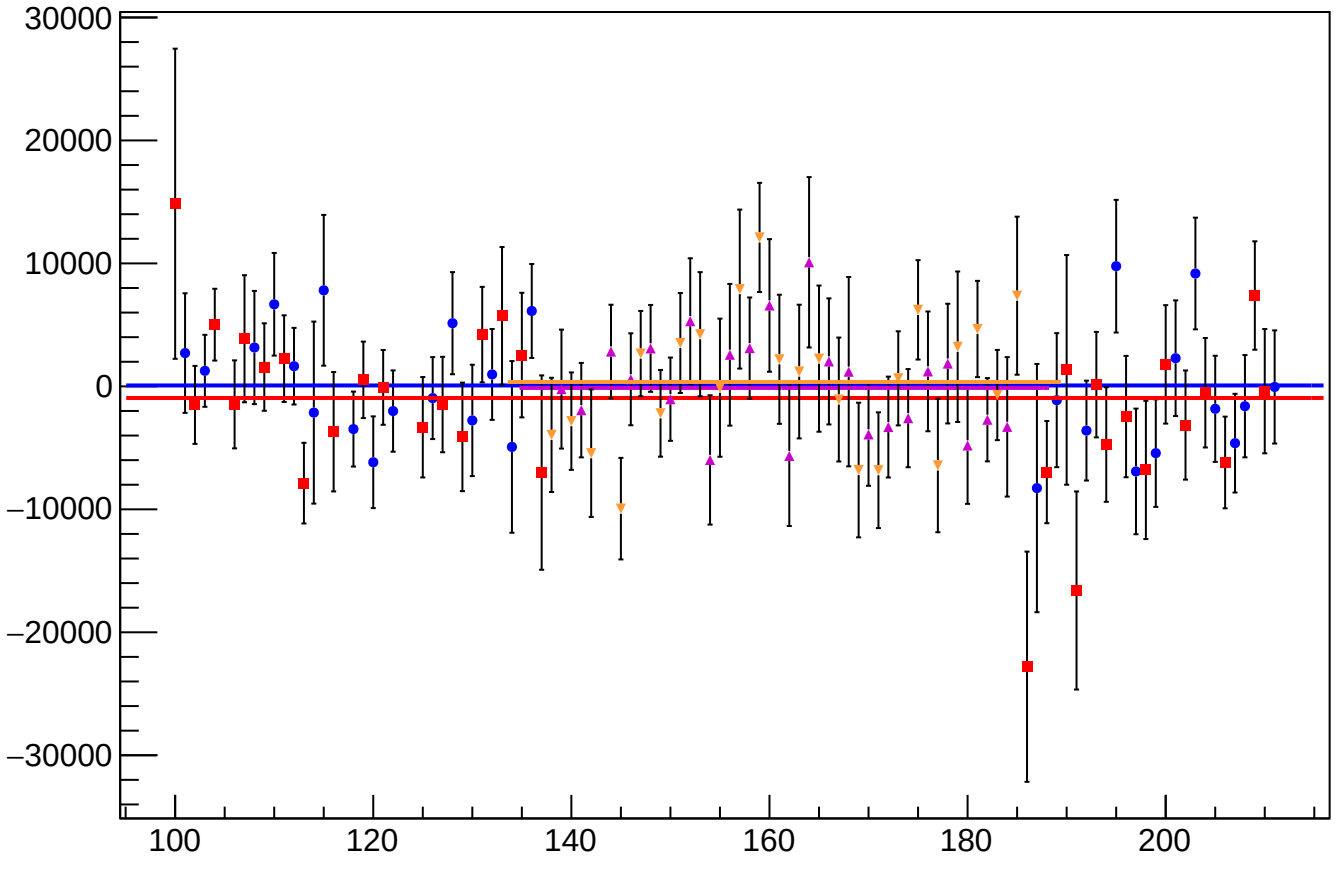
Right Out: 928.997+/-0.157 χ^2/NDF: 583211.9/31

Left In: 1103.281+/-0.183 χ^2/NDF:447540.3/22

+ sign 999.999+/-0.121 χ^2/NDF: 1596522.3/51

All: 1001.281+/-0.085 χ^2/NDF: 3149752.3/10

- sign 1002.530+/-0.119 χ^2/NDF: 1553007.3/54



Right In: 73.748+/-794.272 χ^2/NDF: 29.2/27

Left Out: 357.728+/-934.221 χ^2/NDF:30.3/23

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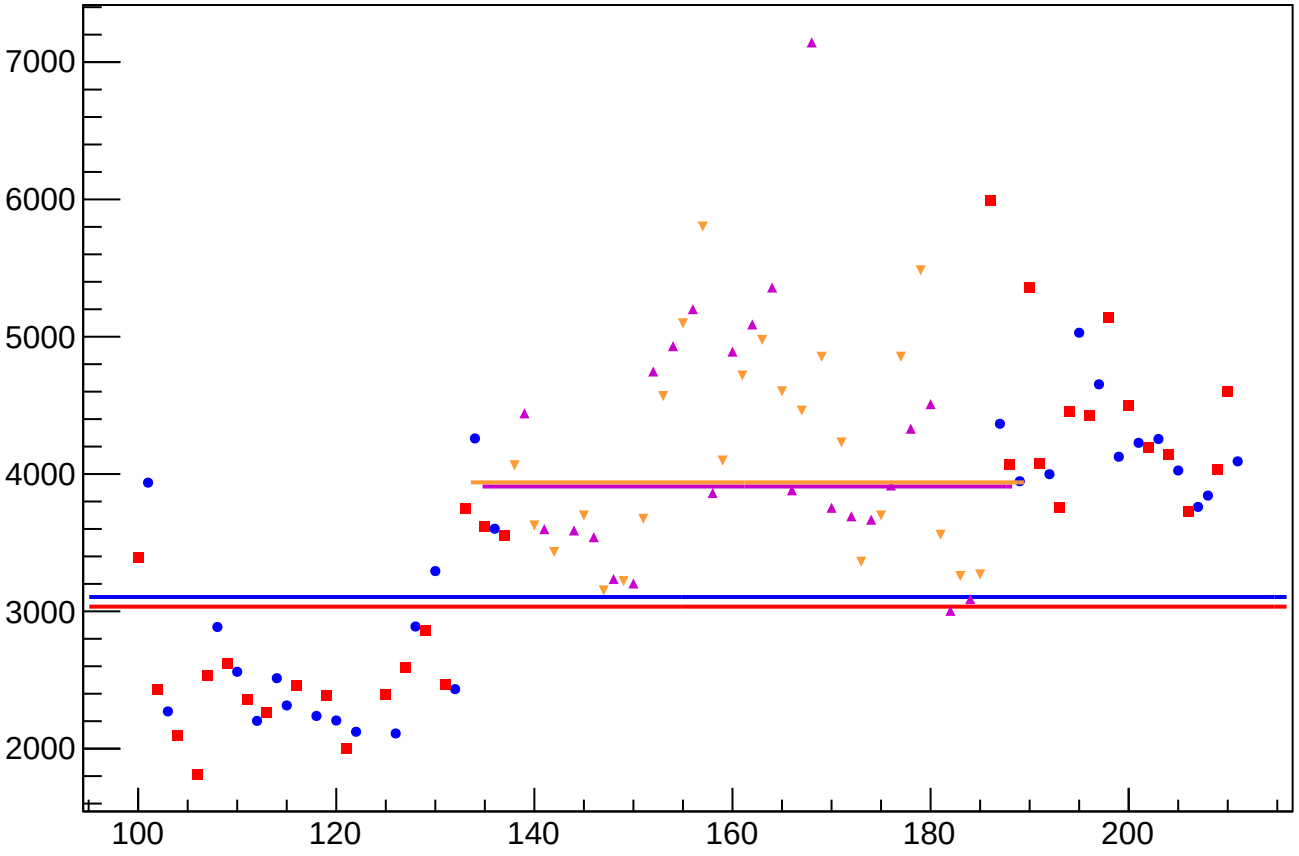
Left In: -126.635+/-932.644 χ^2/NDF:13.8/22

+ sign 192.895+/-605.128 χ^2/NDF: 59.5/51

All: -225.827+/-421.343 χ^2/NDF: 112.3/106

- sign -619.868+/-587.023 χ^2/NDF: 51.8/54

asym_usl_atl2_dd_eigen_cor_correction_rms vs Slug



Right In: 3104.387+/-0.562 χ^2/NDF: 2533912.7/27

Left Out: 3939.266+/-0.661 χ^2/NDF:1092657.5/23

Right Out: 3034.159+/-0.534 χ^2/NDF: 3252998.2/31

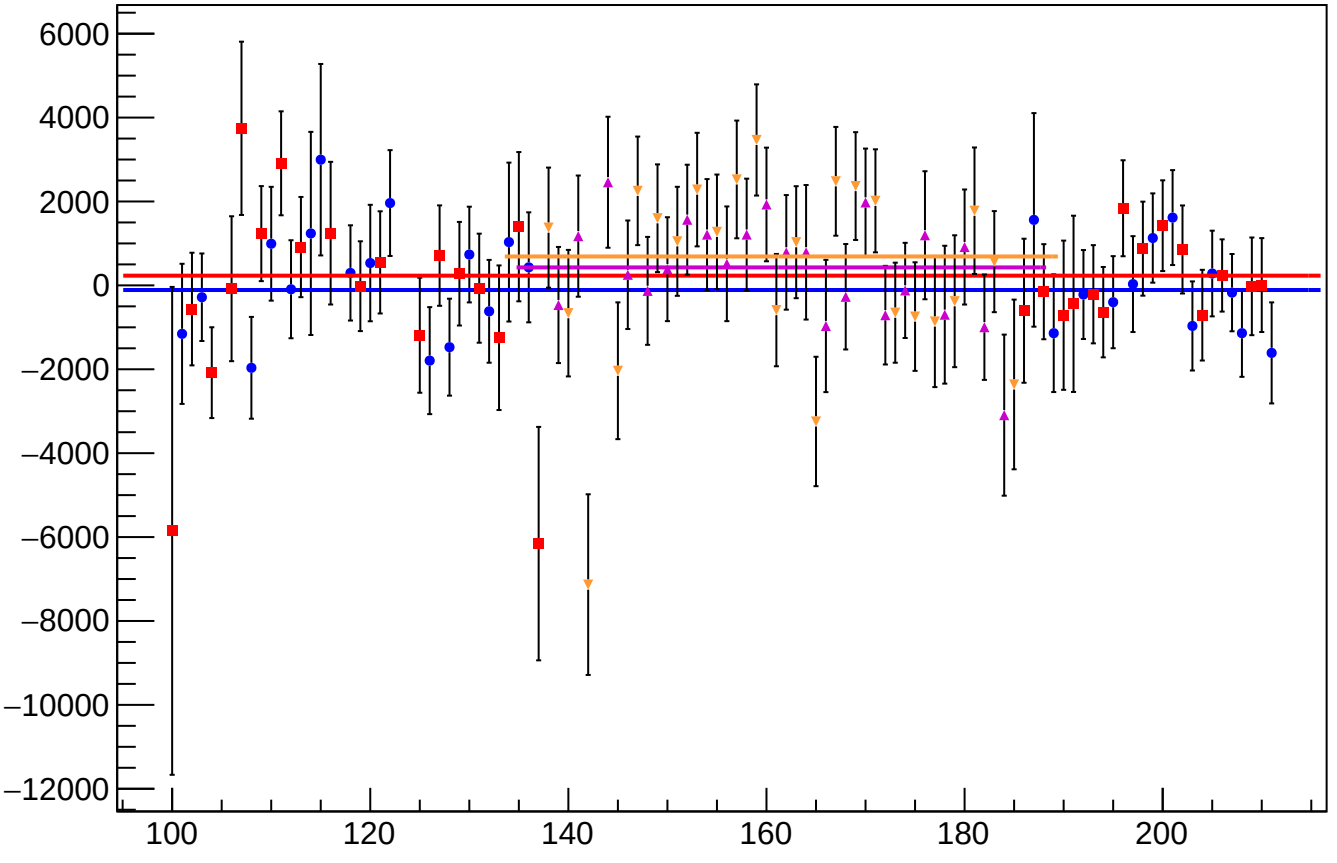
Left In: 3909.128+/-0.659 χ^2/NDF:1300782.7/22

+ sign 3454.670+/-0.428 χ^2/NDF: 4553684.5/51

All: 3416.610+/-0.298 χ^2/NDF: 10185741.3/1

- sign 3380.793+/-0.415 χ^2/NDF: 5616699.2/54

dit_asym_usl_atl2_dd_mean vs Slug



Right In: -110.469+/-231.714 χ^2/NDF: 21.1/27

Left Out: 689.087+/-284.388 χ^2/NDF:45.7/23

Right Out: 231.693+/-225.837 χ^2/NDF: 29.2/31

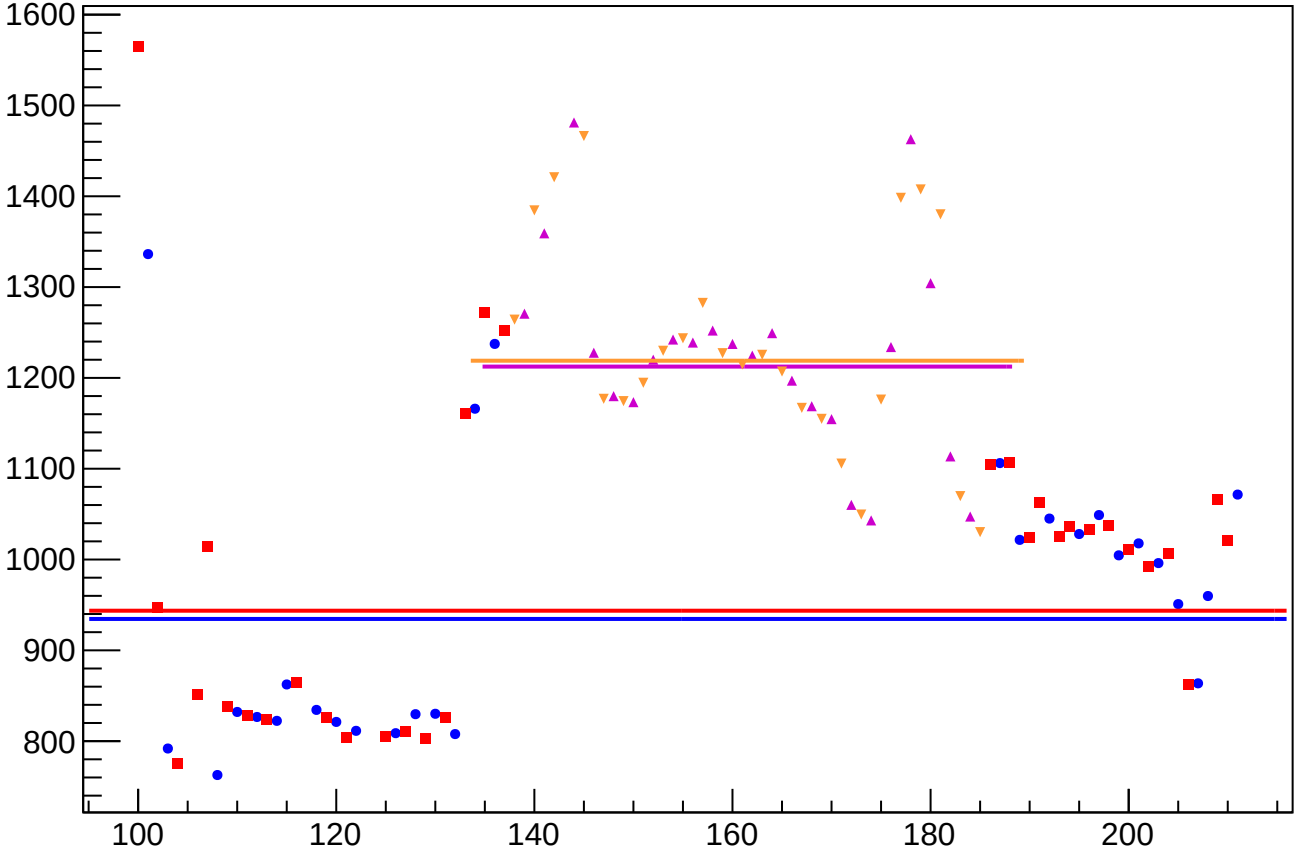
Left In: 428.052+/-284.383 χ^2/NDF:14.6/22

+ sign 208.546+/-179.636 χ^2/NDF: 71.6/51

All: 258.863+/-126.027 χ^2/NDF: 115.8/106

- sign 307.634+/-176.854 χ^2/NDF: 44.1/54

dit_asym_usl_atl2_dd_rms vs Slug



Right In: 934.571+/-0.164 χ^2/NDF: 625402.5/27

Left Out: 1218.928+/-0.201 χ^2/NDF:293874.9/23

Right Out: 943.639+/-0.160 χ^2/NDF: 588957.0/31

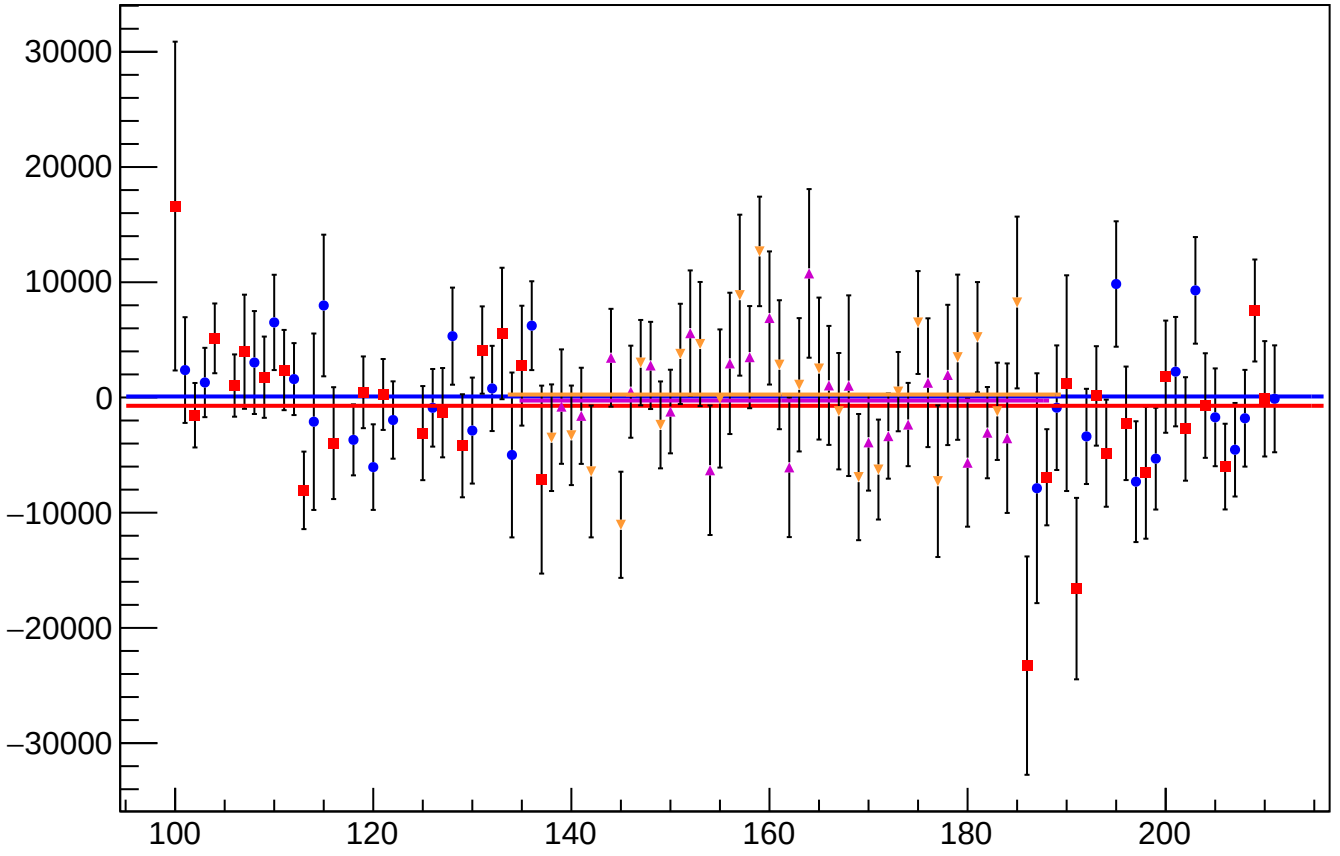
Left In: 1212.447+/-0.201 χ^2/NDF:260320.0/22

+ sign 1048.027+/-0.127 χ^2/NDF: 2121037.4/51

All: 1047.779+/-0.089 χ^2/NDF: 4066566.7/10

- sign 1047.539+/-0.125 χ^2/NDF: 1945521.8/54

asym_usl_atl2_dd_dit_correction_mean vs Slug



Right In: 86.176+/-799.204 χ^2/NDF: 28.9/27

Left Out: 252.803+/-995.149 χ^2/NDF:29.7/23

Right Out: -723.049+/-740.795 χ^2/NDF: 38.1/31

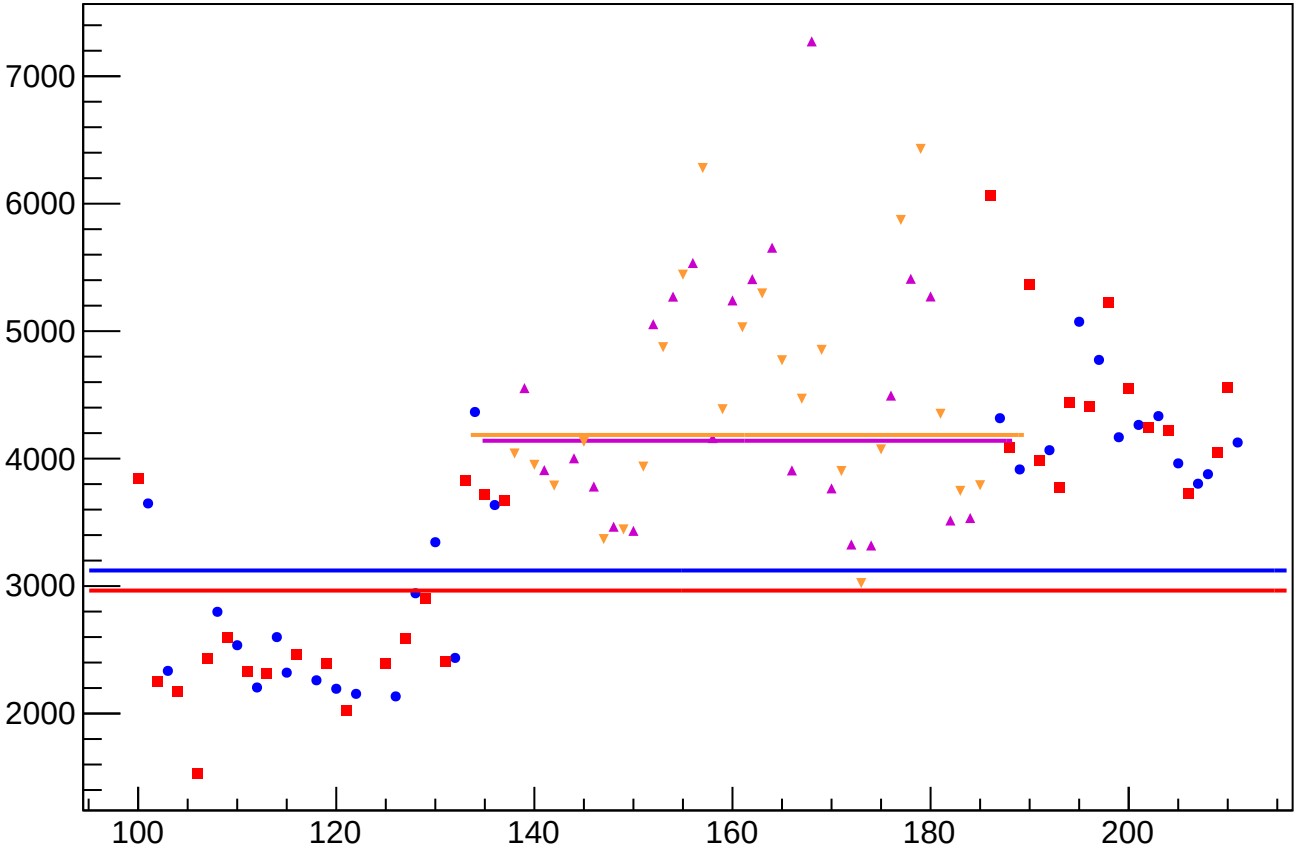
Left In: -266.235+/-990.083 χ^2/NDF:13.4/22

+ sign 151.508+/-623.130 χ^2/NDF: 58.6/51

All: -221.303+/-429.626 χ^2/NDF: 111.0/106

- sign -559.097+/-593.144 χ^2/NDF: 51.7/54

asym_usl_atl2_dd_dit_correction_rms vs Slug



Right In: 3122.314+/-0.565 χ^2/NDF: 2512359.2/27

Left Out: 4185.656+/-0.704 χ^2/NDF:1271248.5/23

Right Out: 2964.768+/-0.524 χ^2/NDF: 3721221.5/31

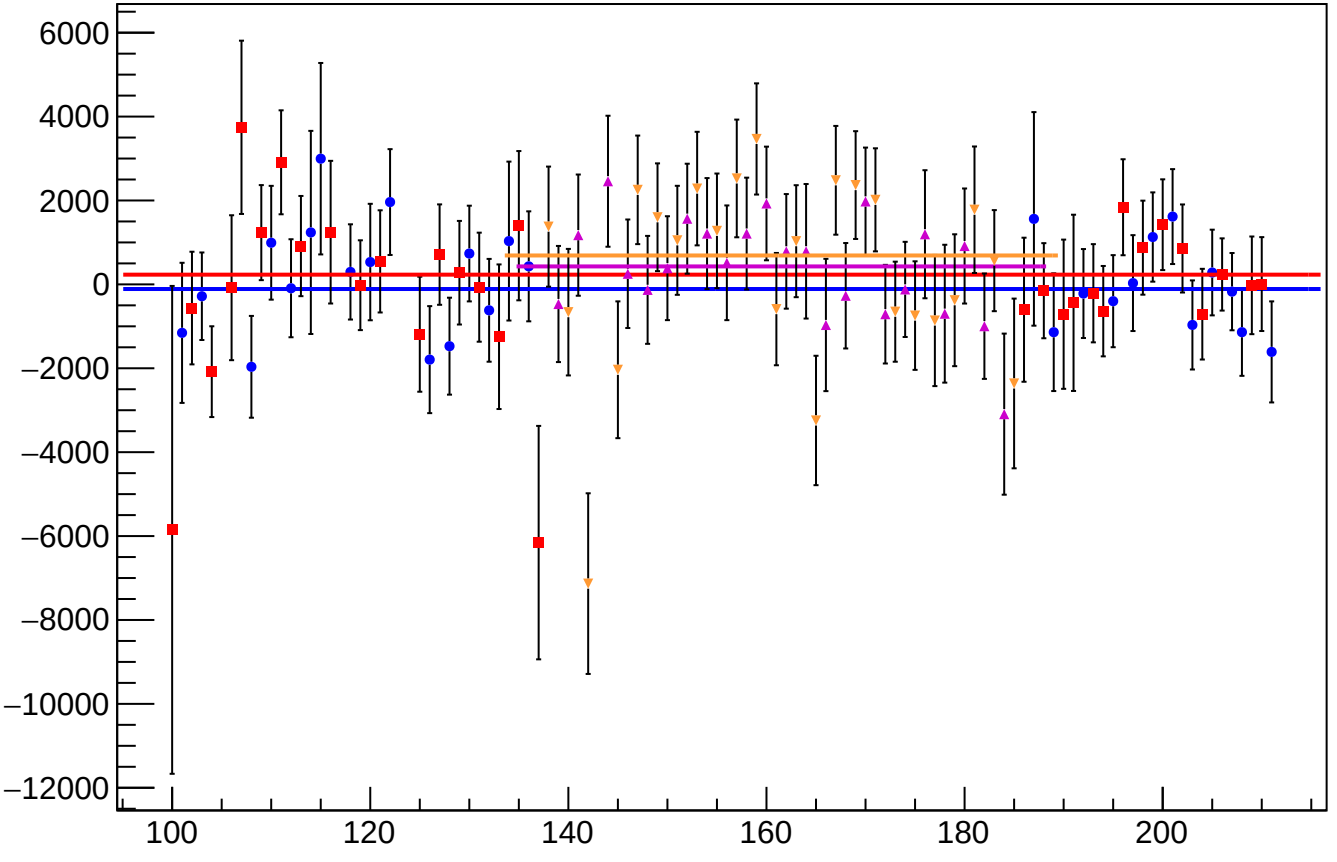
Left In: 4140.051+/-0.700 χ^2/NDF:1449924.0/22

+ sign 3539.235+/-0.441 χ^2/NDF: 5171774.2/51

All: 3459.146+/-0.304 χ^2/NDF: 12212633.7/1

- sign 3386.580+/-0.419 χ^2/NDF: 6977886.6/54

eigen_dit_asym_usl_atl2_dd_mean vs Slug



Right In: -110.471+/-231.714 χ^2/NDF: 21.1/27

Left Out: 689.089+/-284.388 χ^2/NDF:45.7/23

Right Out: 231.693+/-225.837 χ^2/NDF: 29.2/31

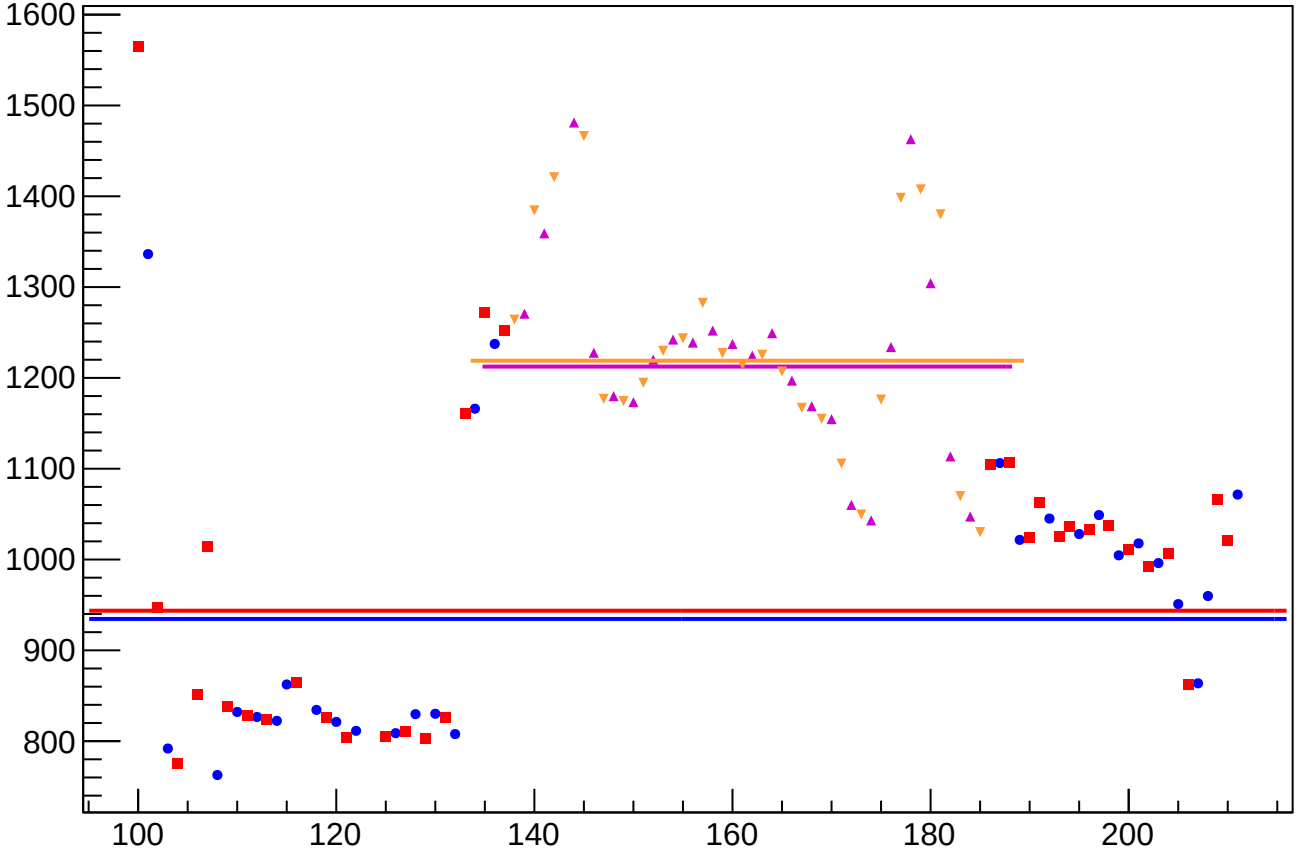
Left In: 428.050+/-284.383 χ^2/NDF:14.6/22

+ sign 208.546+/-179.636 χ^2/NDF: 71.6/51

All: 258.862+/-126.027 χ^2/NDF: 115.8/106

- sign 307.633+/-176.854 χ^2/NDF: 44.1/54

eigen_dit_asym_usl_atl2_dd_rms vs Slug



Right In: 934.571+/-0.164 χ^2/NDF: 625402.4/27

Left Out: 1218.929+/-0.201 χ^2/NDF:293885.7/23

Right Out: 943.639+/-0.160 χ^2/NDF: 588957.4/31

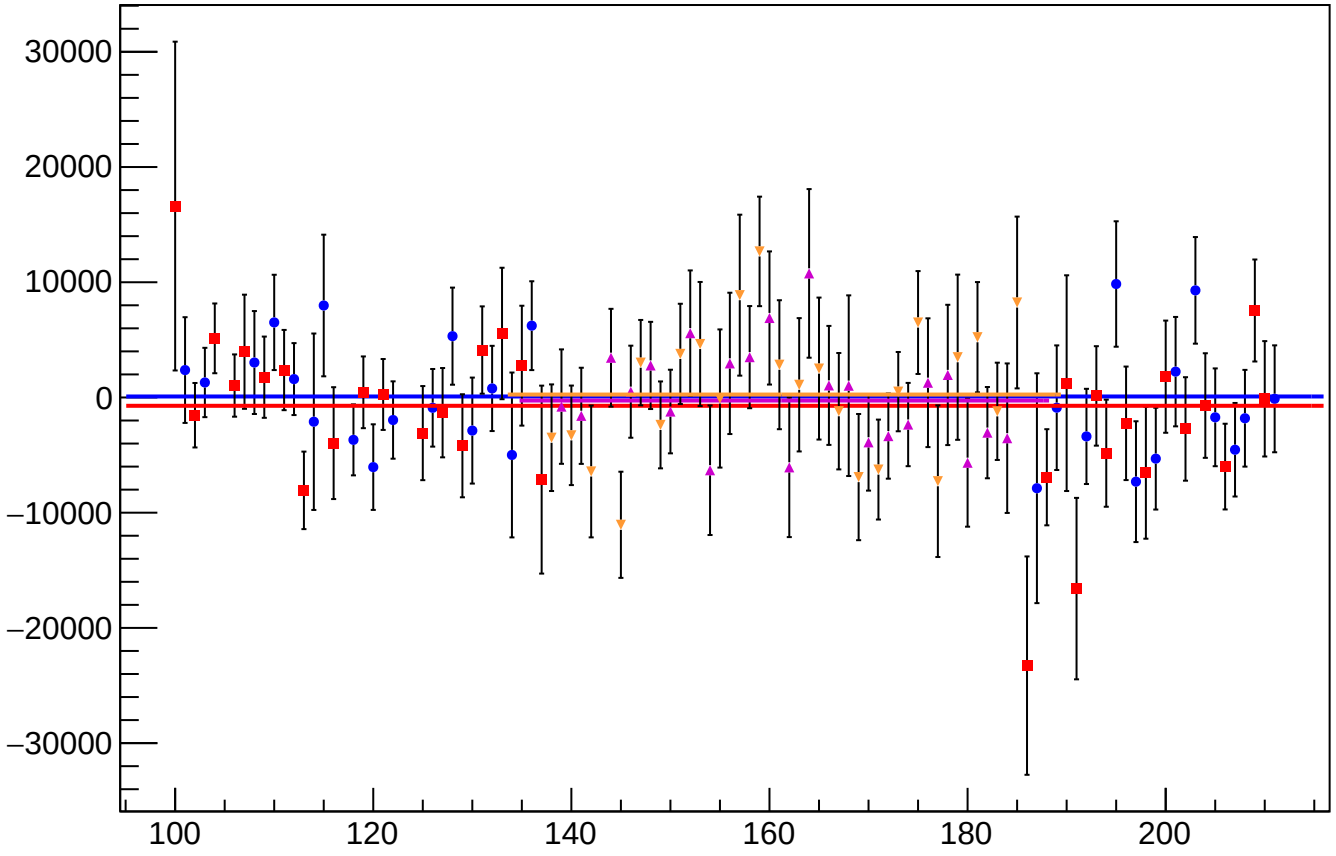
Left In: 1212.448+/-0.201 χ^2/NDF:260330.4/22

+ sign 1048.027+/-0.127 χ^2/NDF: 2121054.3/51

All: 1047.779+/-0.089 χ^2/NDF: 4066601.0/10

- sign 1047.540+/-0.125 χ^2/NDF: 1945539.3/54

asym_usl_atl2_dd_eigen_dit_correction_mean vs Slug



Right In: 86.175+/-799.203 χ^2/NDF: 28.9/27

Left Out: 252.805+/-995.151 χ^2/NDF:29.7/23

Right Out: -723.044+/-740.794 χ^2/NDF: 38.1/31

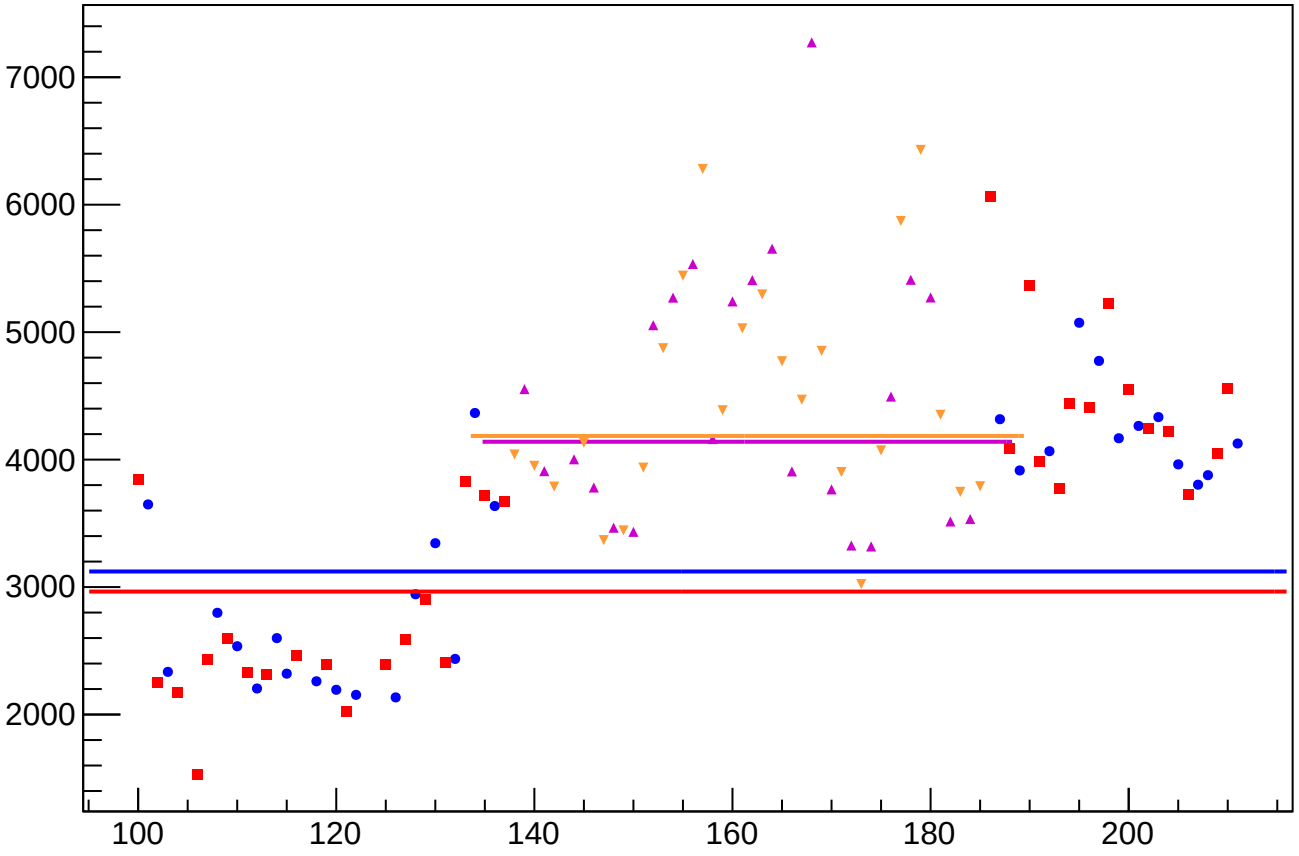
Left In: -266.236+/-990.085 χ^2/NDF:13.4/22

+ sign 151.508+/-623.130 χ^2/NDF: 58.6/51

All: -221.302+/-429.626 χ^2/NDF: 111.0/106

- sign -559.095+/-593.143 χ^2/NDF: 51.7/54

asym_usl_atl2_dd_eigen_dit_correction_rms vs Slug



Right In: 3122.308+/-0.565 χ^2/NDF: 2512406.4/27

Left Out: 4185.664+/-0.704 χ^2/NDF:1271247.4/23

Right Out: 2964.762+/-0.524 χ^2/NDF: 3721263.2/31

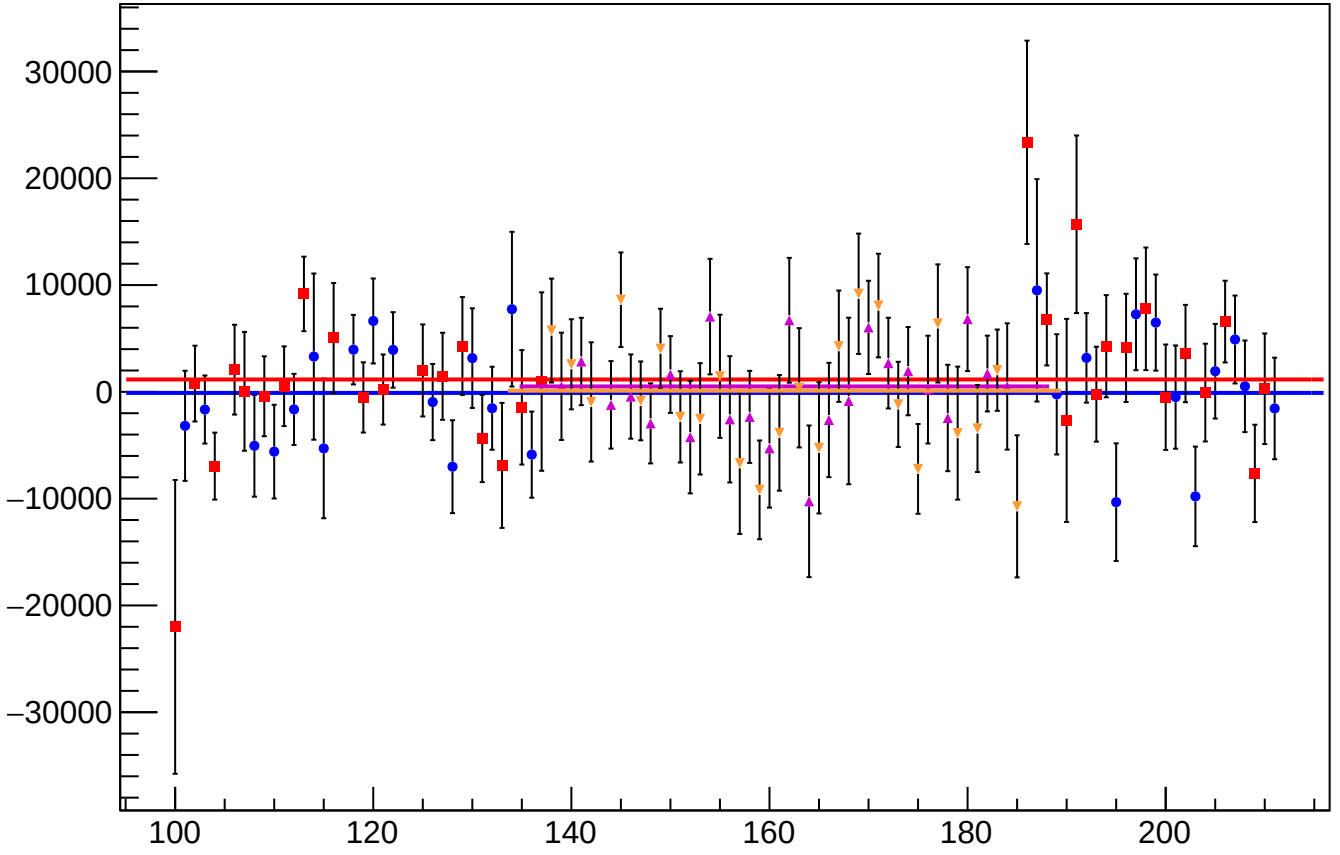
Left In: 4140.059+/-0.700 χ^2/NDF:1449925.1/22

+ sign 3539.233+/-0.441 χ^2/NDF: 5171854.5/51

All: 3459.144+/-0.304 χ^2/NDF: 12212795.2/1

- sign 3386.578+/-0.419 χ^2/NDF: 6977967.1/54

asym_usl_atl2_dd_mean vs Slug



Right In: -98.074+/-833.949 χ^2/NDF: 31.6/27

Left Out: 108.966+/-975.598 χ^2/NDF:28.0/23

Right Out: 1158.546+/-798.496 χ^2/NDF: 39.3/31

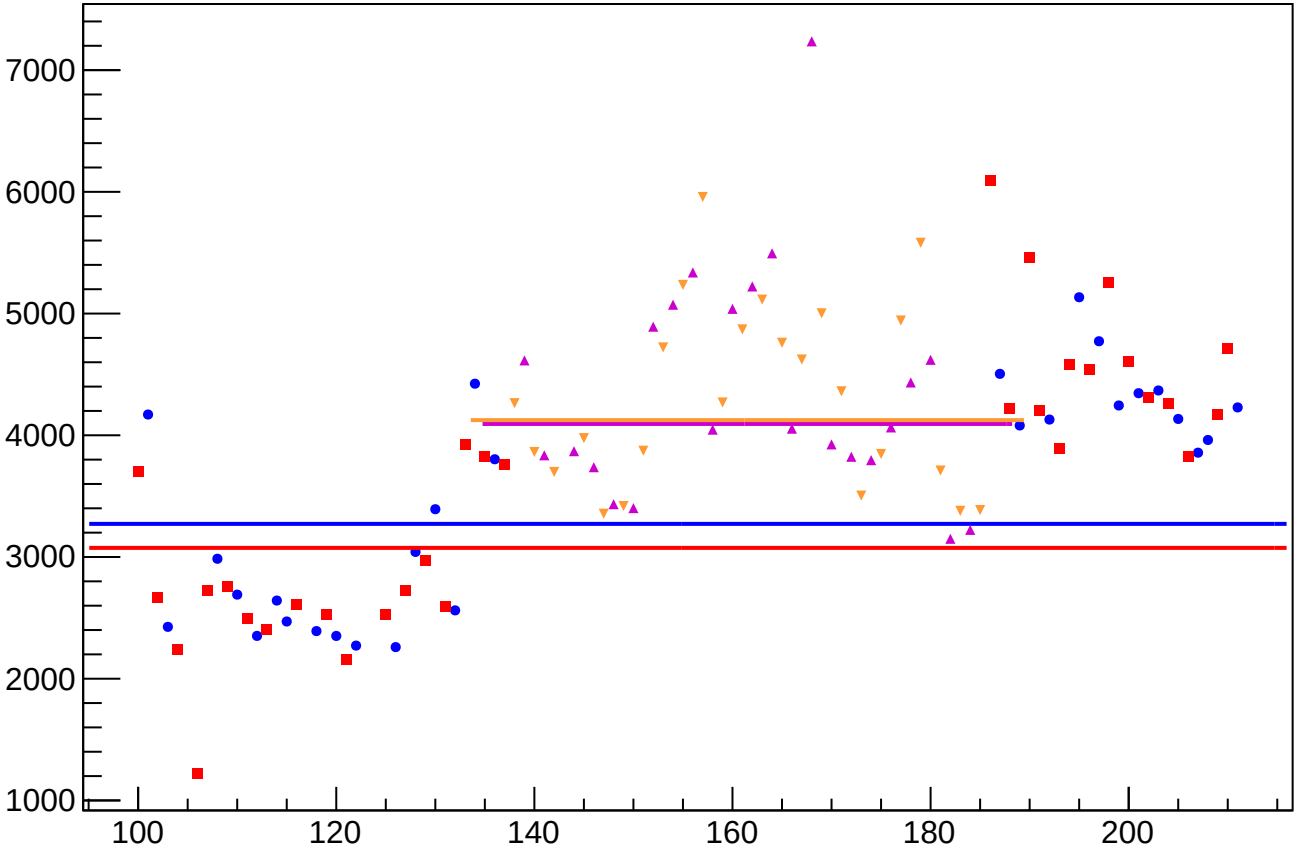
Left In: 509.024+/-974.173 χ^2/NDF:13.5/22

+ sign -10.662+/-633.912 χ^2/NDF: 59.7/51

All: 455.303+/-442.346 χ^2/NDF: 113.8/106

- sign 897.528+/-617.553 χ^2/NDF: 53.1/54

asym_usl_atl2_dd_rms vs Slug



Right In: 3272.136+/-0.590 χ^2/NDF: 2270939.7/27

Left Out: 4124.485+/-0.690 χ^2/NDF:969929.3/23

Right Out: 3074.951+/-0.547 χ^2/NDF: 3886987.6/31

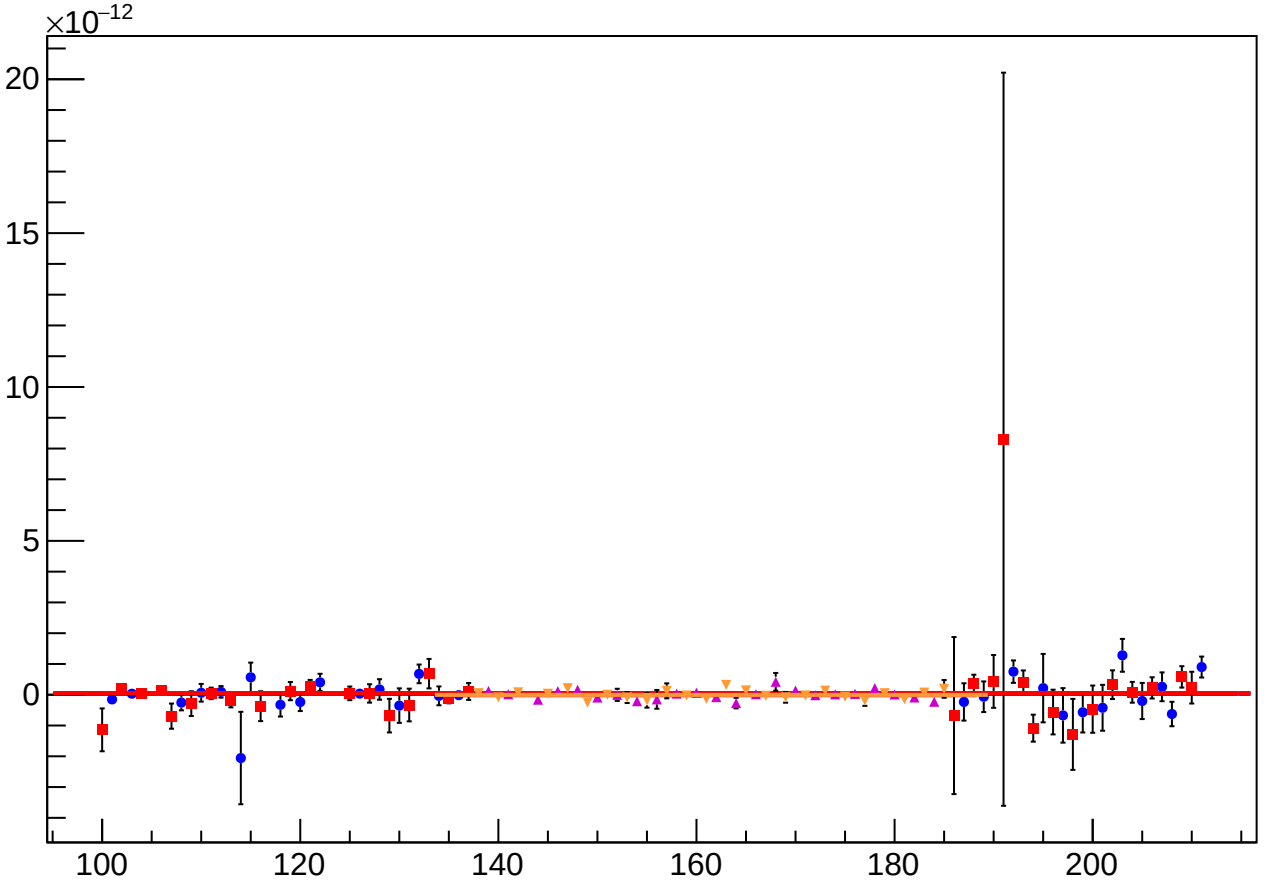
Left In: 4093.066+/-0.689 χ^2/NDF:1162851.8/22

+ sign 3631.996+/-0.448 χ^2/NDF: 4122935.7/51

All: 3546.836+/-0.310 χ^2/NDF: 10580884.2/1

- sign 3468.997+/-0.429 χ^2/NDF: 6388862.2/54

asym_usl_atl2_dd_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 36.7/27

Left Out: -0.000+/-0.000 χ^2/NDF:24.2/23

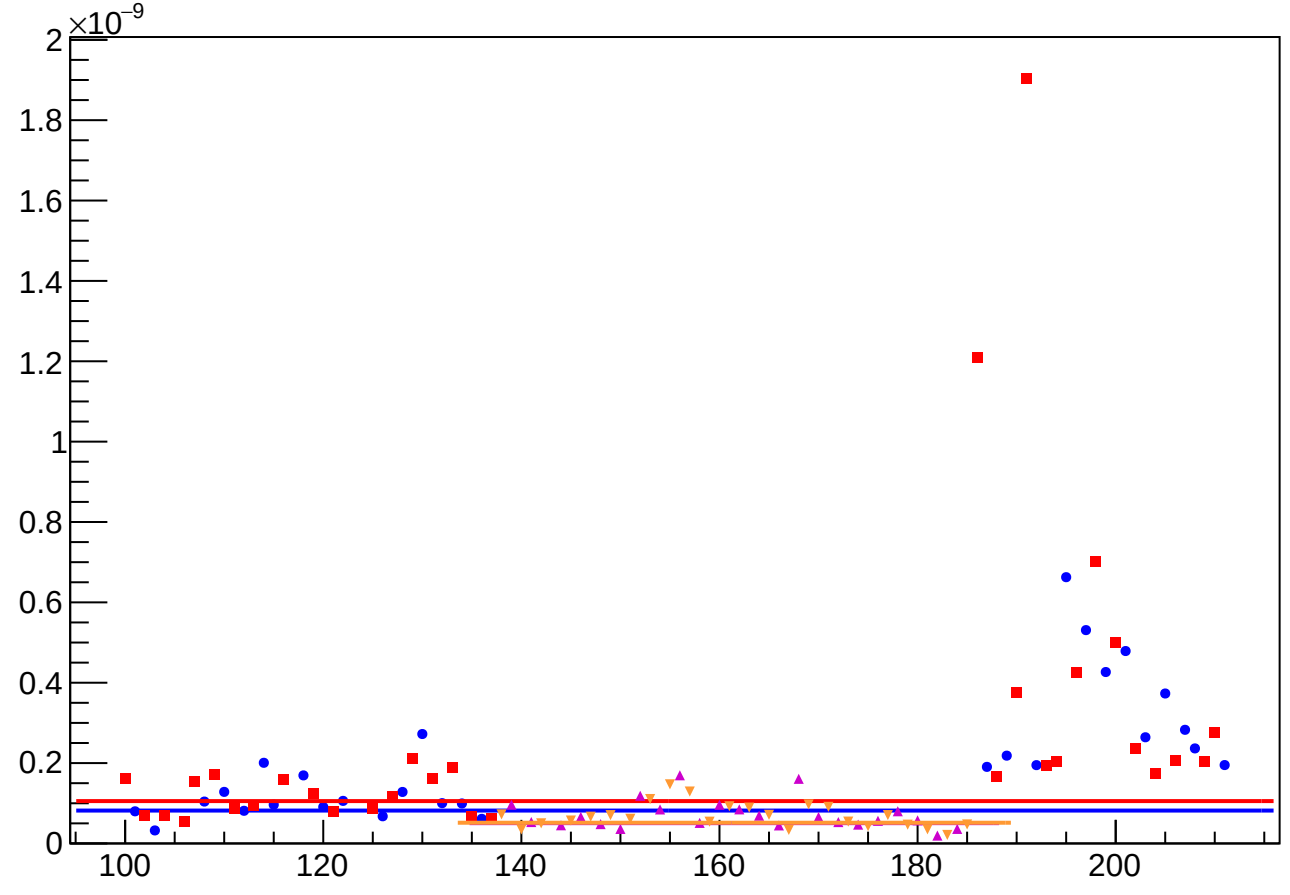
Right Out: 0.000+/-0.000 χ^2/NDF: 32.1/31

Left In: -0.000+/-0.000 χ^2/NDF:25.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 61.4/51

All: -0.000+/-0.000 χ^2/NDF: 121.2/106

- sign -0.000+/-0.000 χ^2/NDF: 59.7/54



Right In: 0.000+/-0.000 χ^2/NDF: 5714807.7/27

Left Out: 0.000+/-0.000 χ^2/NDF:2269565.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 4194793.9/31

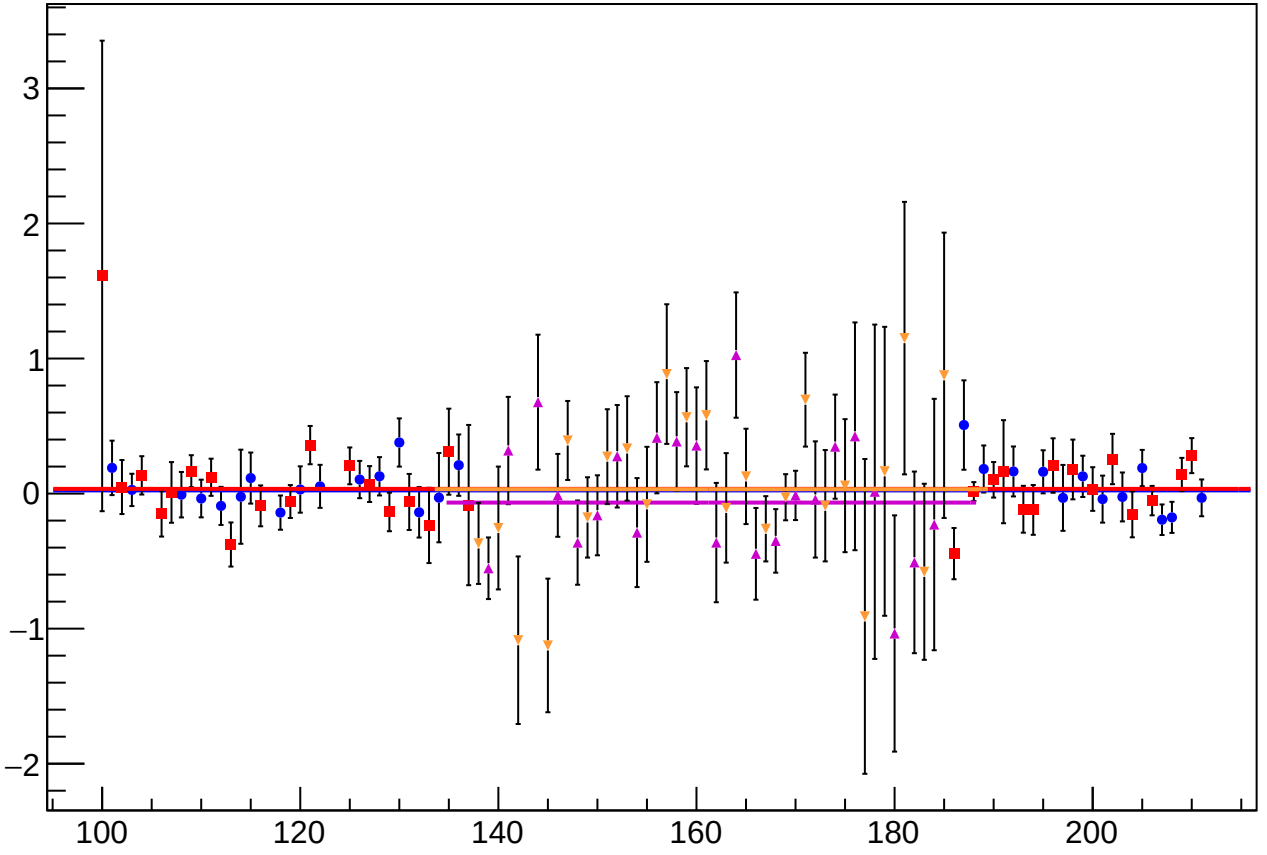
Left In: 0.000+/-0.000 χ^2/NDF:2433650.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 8789402.8/51

All: 0.000+/-0.000 χ^2/NDF: 17508613.5/106

- sign 0.000+/-0.000 χ^2/NDF: 8713100.8/54

asym_usl_atl2_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.024+/-0.030 χ^2/NDF: 23.2/27

Left Out: 0.032+/-0.076 χ^2/NDF:29.7/23

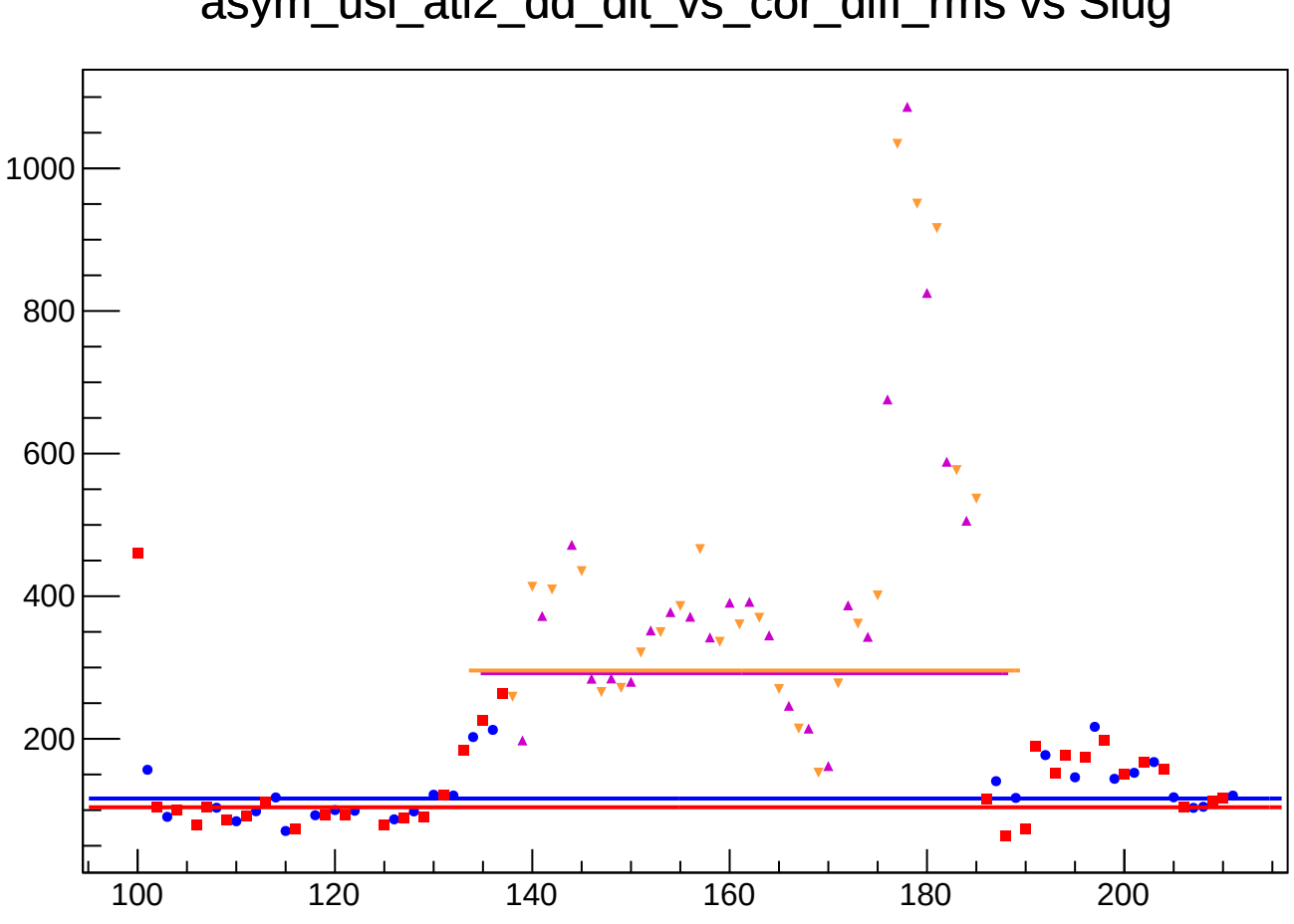
Right Out: 0.035+/-0.027 χ^2/NDF: 39.1/31

Left In: -0.067+/-0.075 χ^2/NDF:25.7/22

+ sign 0.025+/-0.028 χ^2/NDF: 53.0/51

All: 0.024+/-0.019 χ^2/NDF: 119.4/106

- sign 0.023+/-0.025 χ^2/NDF: 66.5/54



Right In: 116.278+/-0.021 χ^2/NDF: 2162701.1/27

Left Out: 295.798+/-0.054 χ^2/NDF:5501077.8/23

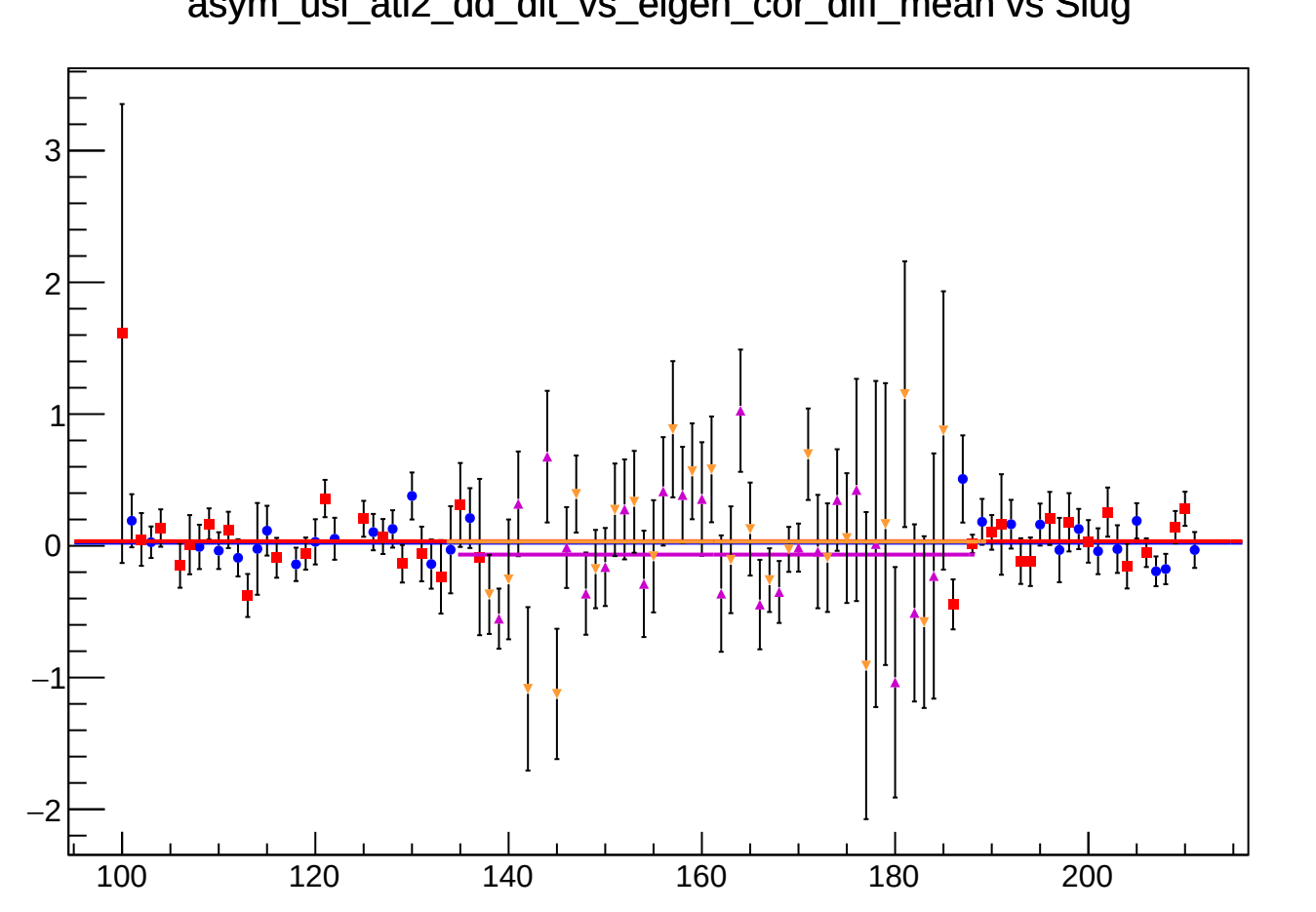
Right Out: 103.985+/-0.019 χ^2/NDF: 3601064.7/31

Left In: 292.100+/-0.053 χ^2/NDF:5055737.7/22

+ sign 140.866+/-0.020 χ^2/NDF: 17293218.0/51

All: 132.443+/-0.013 χ^2/NDF: 37493968.6/10

- sign 125.611+/-0.018 χ^2/NDF: 19875964.2/54



Right In: 0.024+/-0.030 χ^2/NDF: 23.2/27

Left Out: 0.032+/-0.076 χ^2/NDF:29.7/23

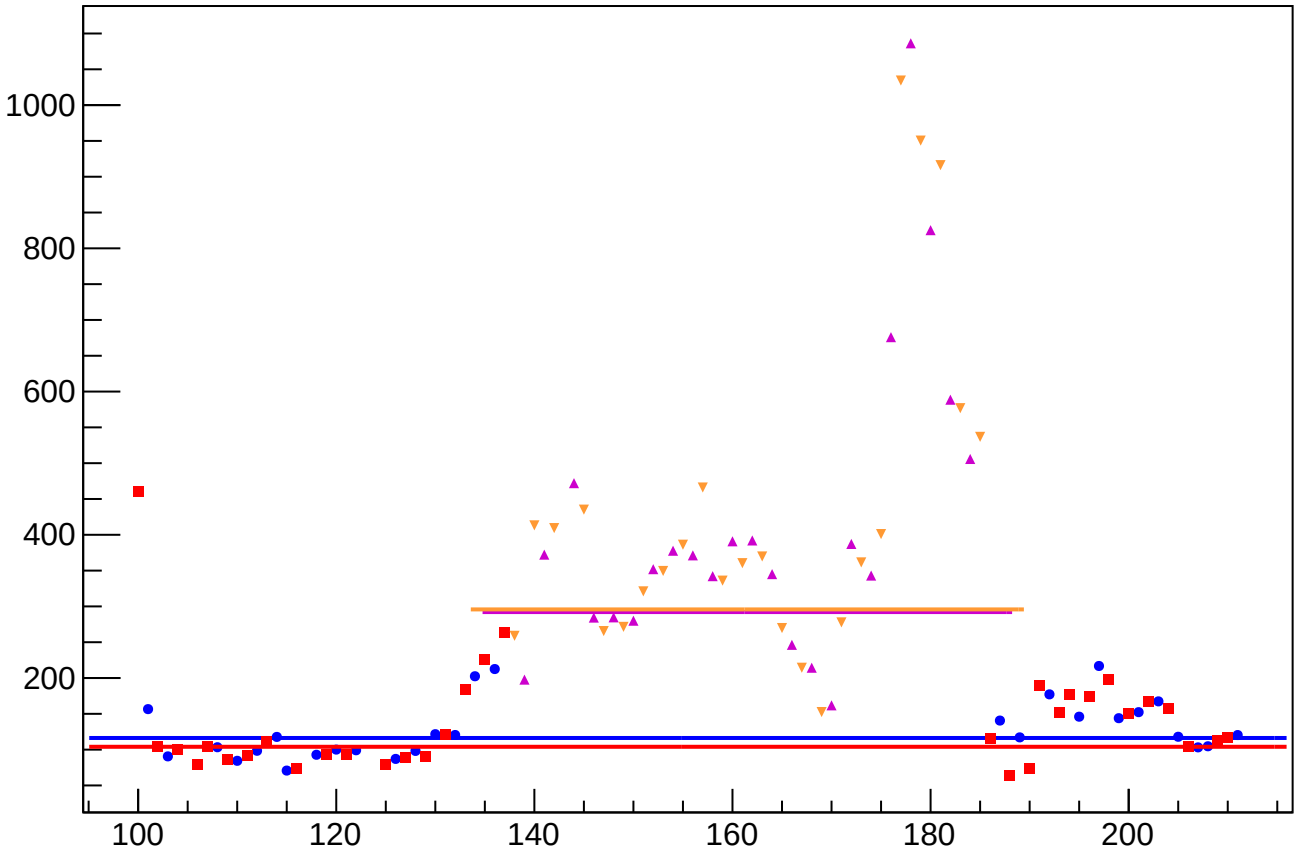
Right Out: 0.035+/-0.027 χ^2/NDF: 39.1/31

Left In: -0.067+/-0.075 χ^2/NDF:25.7/22

+ sign 0.025+/-0.028 χ^2/NDF: 53.0/51

All: 0.024+/-0.019 χ^2/NDF: 119.4/106

- sign 0.023+/-0.025 χ^2/NDF: 66.5/54



Right In: 116.278+/-0.021 χ^2/NDF: 2162701.1/27

Left Out: 295.798+/-0.054 χ^2/NDF:5501077.8/23

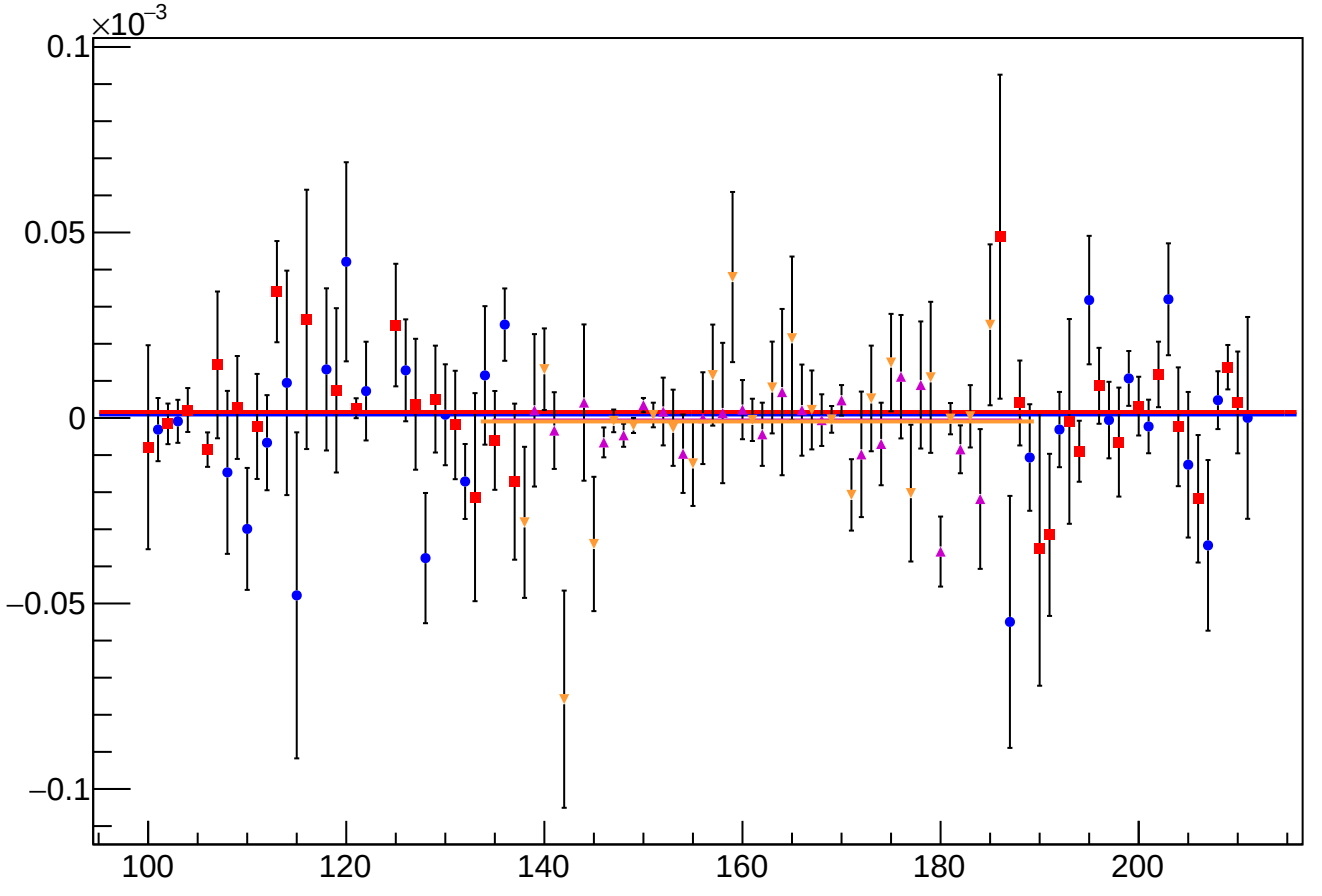
Right Out: 103.985+/-0.019 χ^2/NDF: 3601064.7/31

Left In: 292.100+/-0.053 χ^2/NDF:5055737.7/22

+ sign 140.866+/-0.020 χ^2/NDF: 17293218.0/51

All: 132.443+/-0.013 χ^2/NDF: 37493968.6/10

- sign 125.611+/-0.018 χ^2/NDF: 19875964.2/54



Right In: 0.000+/-0.000 χ^2/NDF: 40.2/27

Left Out: -0.000+/-0.000 χ^2/NDF:29.1/23

Right Out: 0.000+/-0.000 χ^2/NDF: 30.4/31

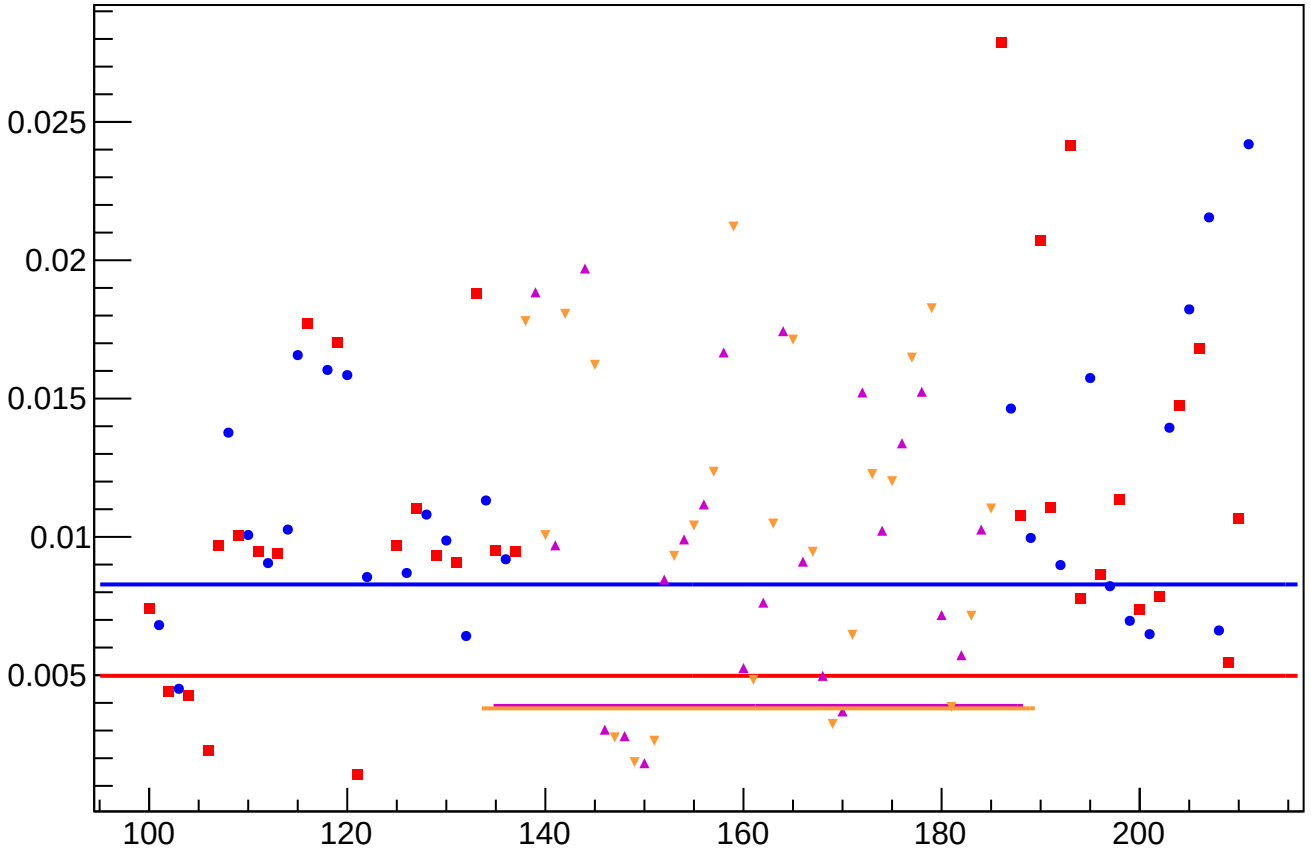
Left In: -0.000+/-0.000 χ^2/NDF:29.8/22

+ sign -0.000+/-0.000 χ^2/NDF: 69.8/51

All: -0.000+/-0.000 χ^2/NDF: 131.5/106

- sign 0.000+/-0.000 χ^2/NDF: 61.5/54

asym_usl_atl2_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF: 4665035.9/27

Left Out: 0.004+/-0.000 χ^2/NDF:14624926.4/23

Right Out: 0.005+/-0.000 χ^2/NDF: 13349240.0/31

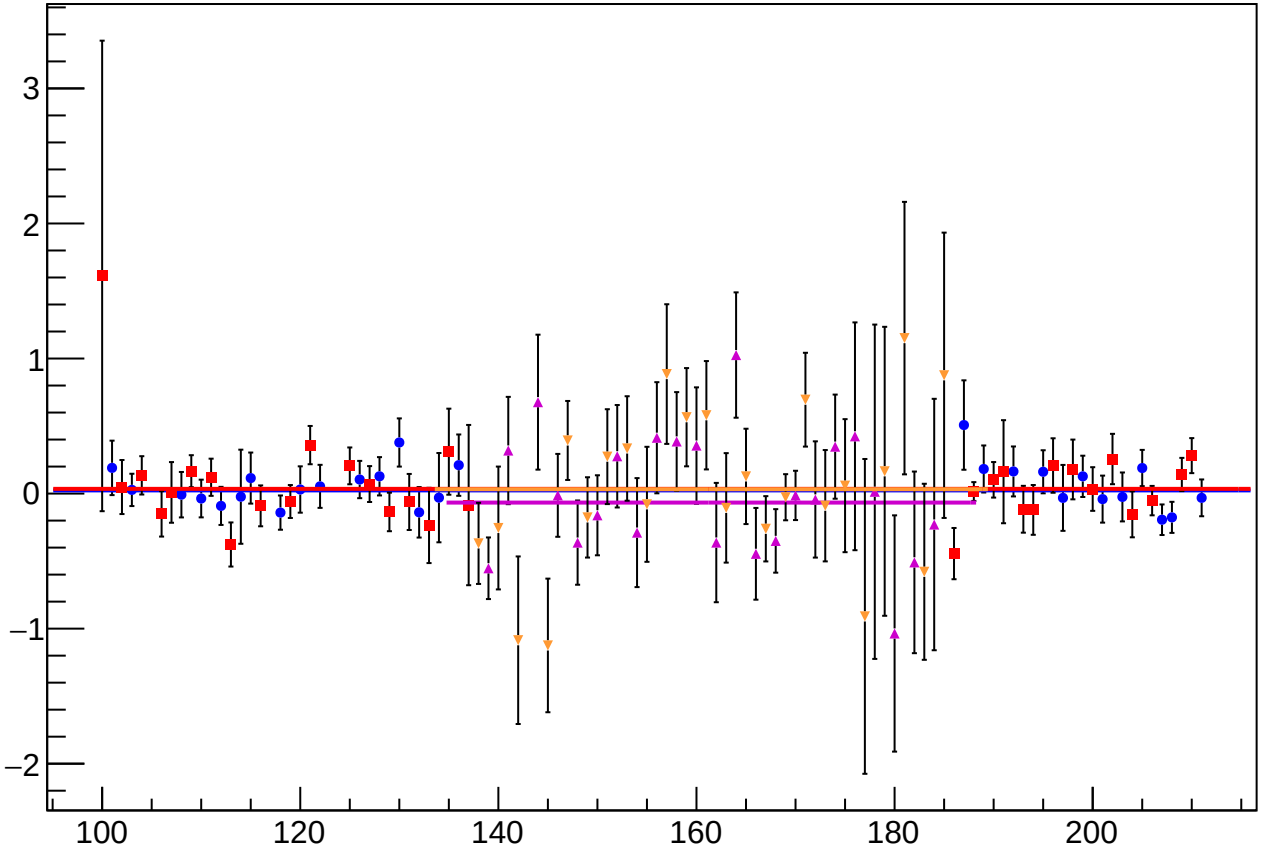
Left In: 0.004+/-0.000 χ^2/NDF:13523554.3/22

+ sign 0.005+/-0.000 χ^2/NDF: 25431344.2/51

All: 0.005+/-0.000 χ^2/NDF: 53112744.1/106

- sign 0.004+/-0.000 χ^2/NDF: 27465799.2/54

asym_usl_atl2_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.024+/-0.030 χ^2/NDF: 23.2/27

Left Out: 0.032+/-0.076 χ^2/NDF:29.7/23

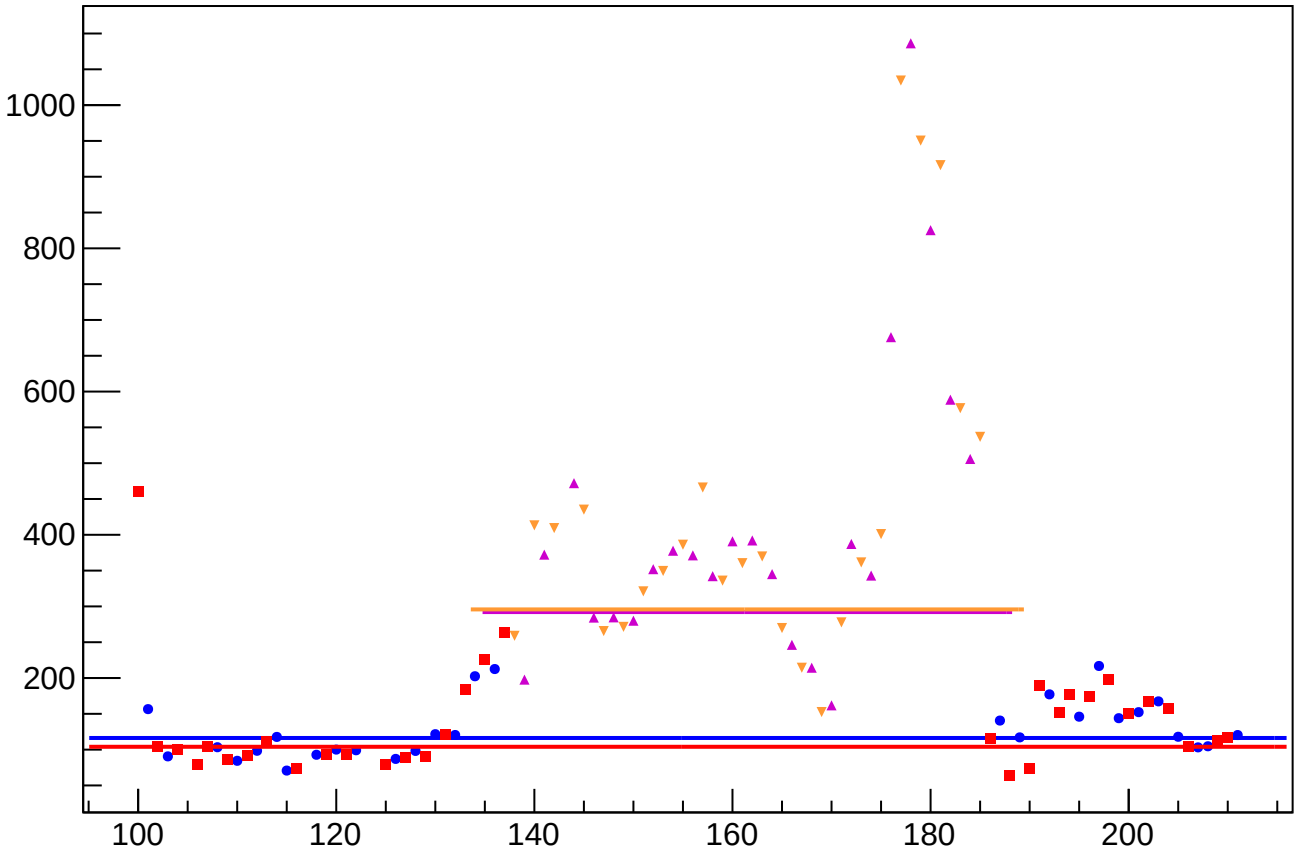
Right Out: 0.035+/-0.027 χ^2/NDF: 39.1/31

Left In: -0.067+/-0.075 χ^2/NDF:25.7/22

+ sign 0.025+/-0.028 χ^2/NDF: 53.0/51

All: 0.024+/-0.019 χ^2/NDF: 119.4/106

- sign 0.023+/-0.025 χ^2/NDF: 66.5/54



Right In: 116.279+/-0.021 χ^2/NDF: 2162661.3/27

Left Out: 295.800+/-0.054 χ^2/NDF:5501139.3/23

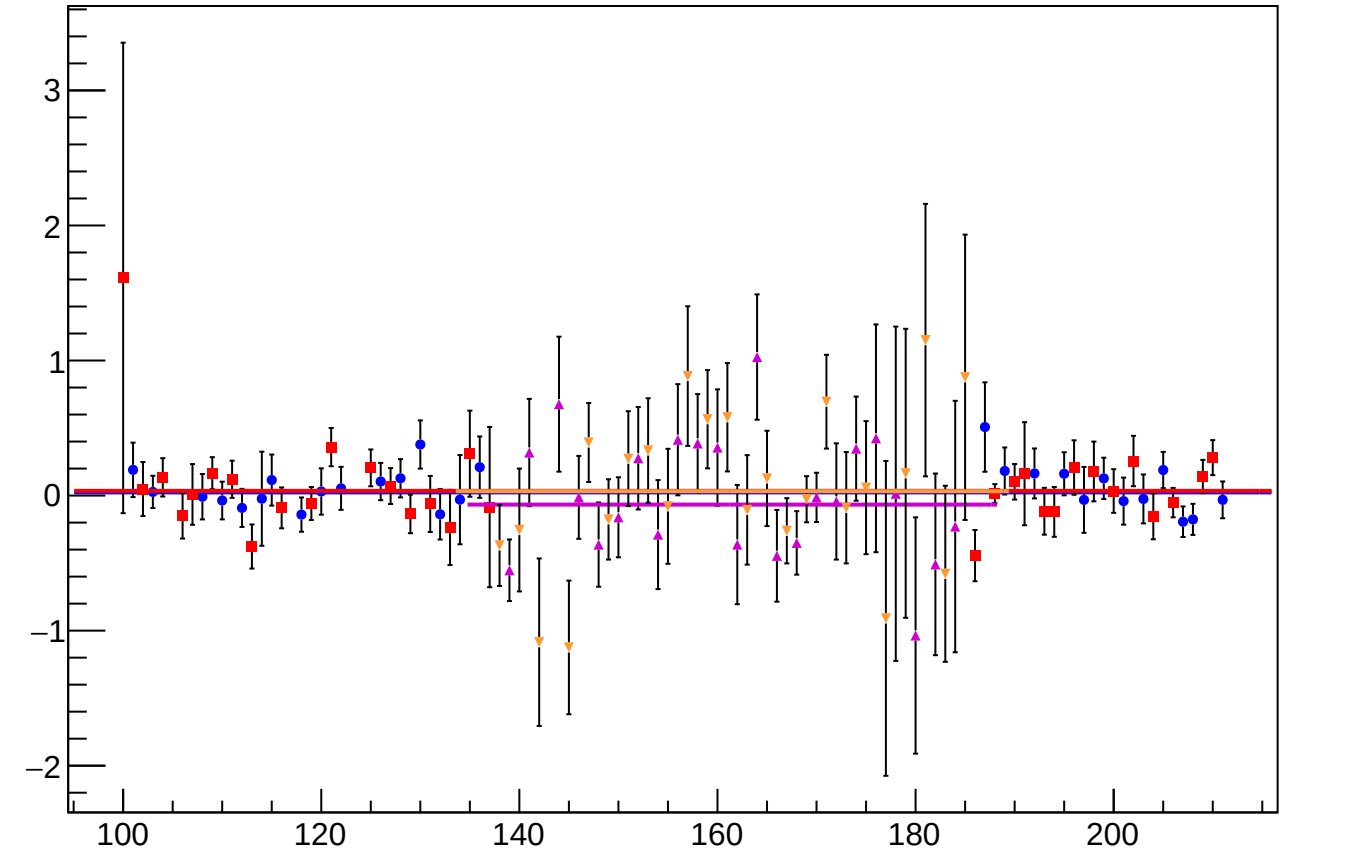
Right Out: 103.984+/-0.019 χ^2/NDF: 3601234.8/31

Left In: 292.103+/-0.053 χ^2/NDF:5055695.7/22

+ sign 140.866+/-0.020 χ^2/NDF: 17293223.7/51

All: 132.442+/-0.013 χ^2/NDF: 37494581.5/10

- sign 125.609+/-0.018 χ^2/NDF: 19876466.1/54



Right In: 0.024+/-0.030 χ^2/NDF: 23.2/27

Left Out: 0.032+/-0.076 χ^2/NDF:29.7/23

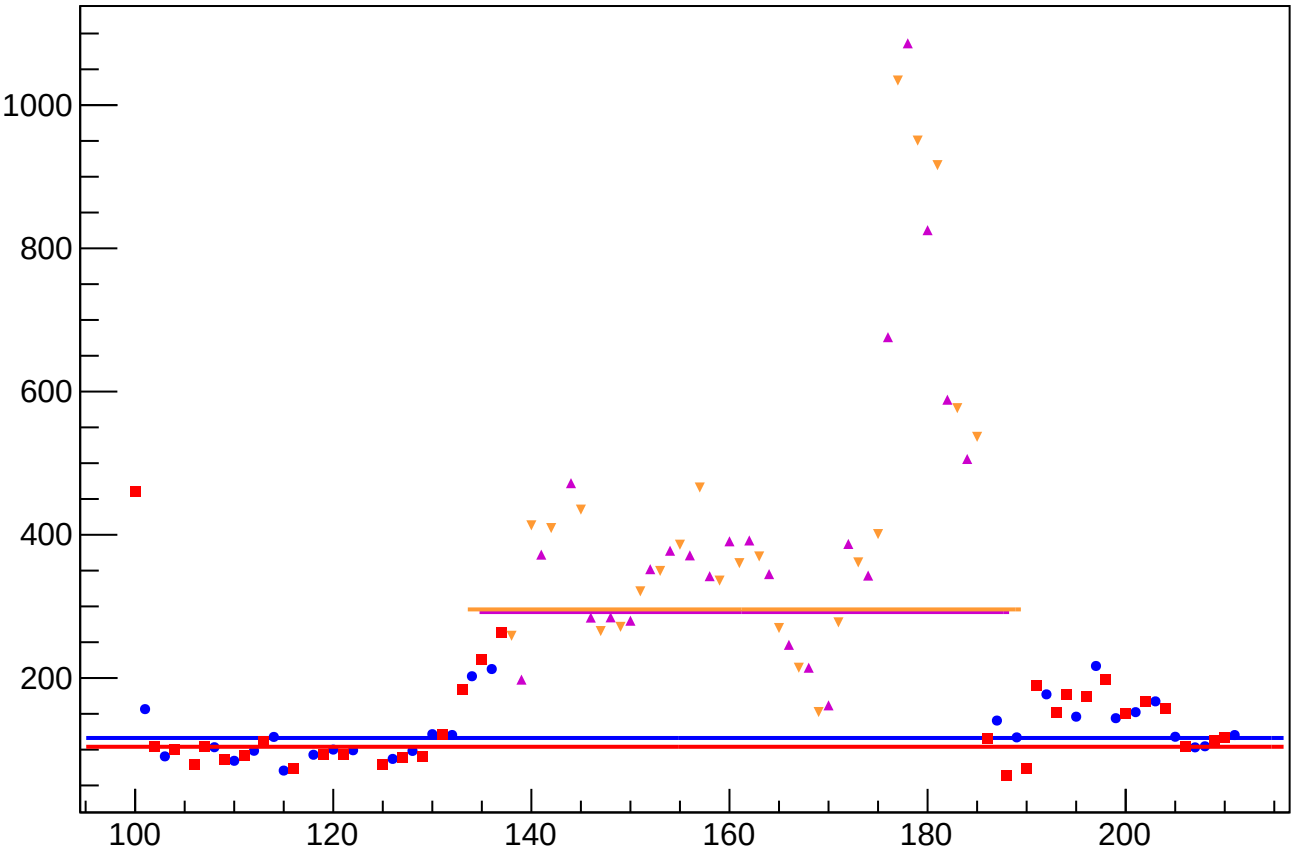
Right Out: 0.035+/-0.027 χ^2/NDF: 39.1/31

Left In: -0.067+/-0.075 χ^2/NDF:25.7/22

+ sign 0.025+/-0.028 χ^2/NDF: 53.0/51

All: 0.024+/-0.019 χ^2/NDF: 119.4/106

- sign 0.023+/-0.025 χ^2/NDF: 66.5/54



Right In: 116.279+/-0.021 χ^2/NDF: 2162661.3/27

Left Out: 295.800+/-0.054 χ^2/NDF:5501139.3/23

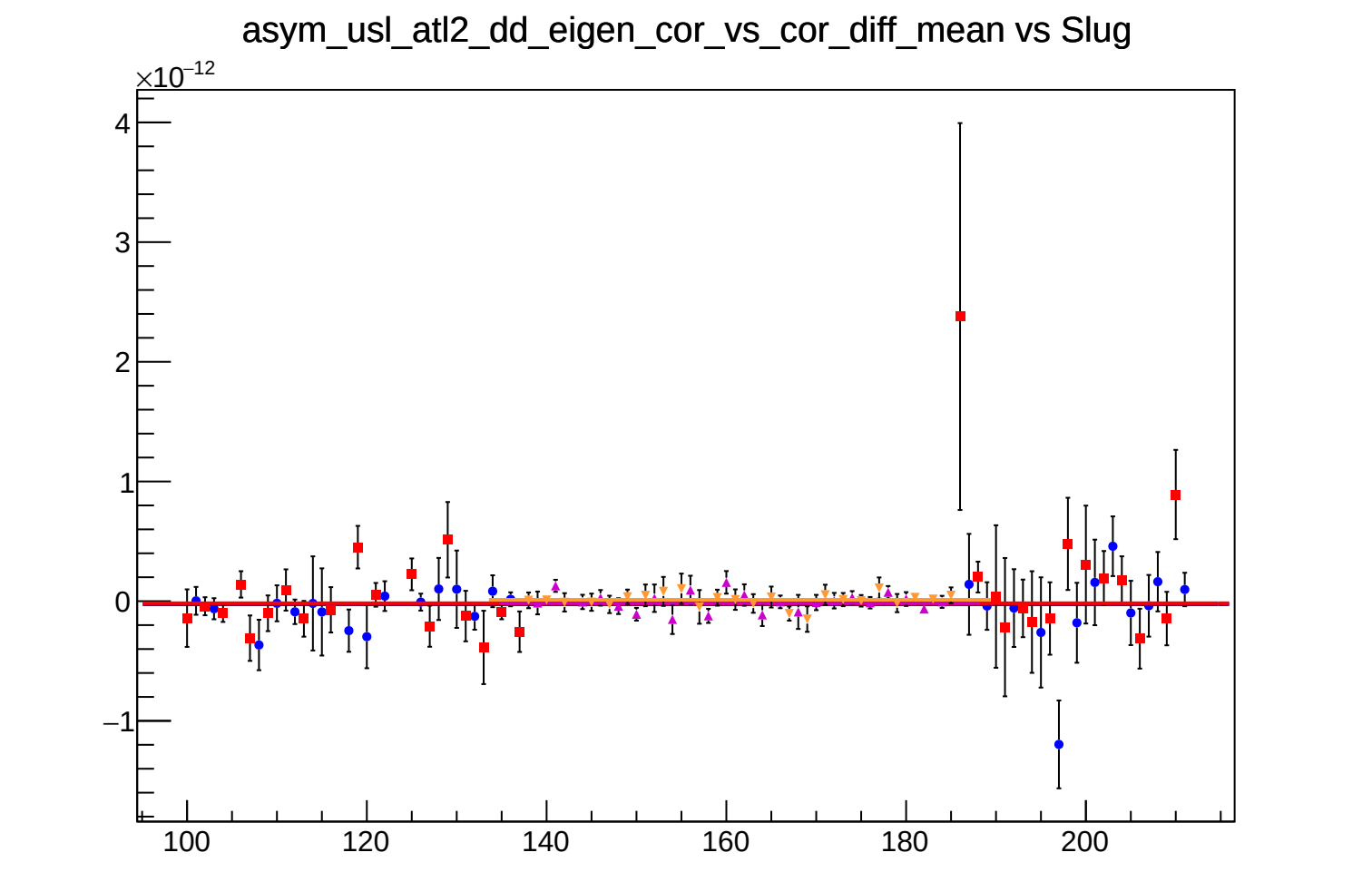
Right Out: 103.984+/-0.019 χ^2/NDF: 3601234.8/31

Left In: 292.103+/-0.053 χ^2/NDF:5055695.7/22

+ sign 140.866+/-0.020 χ^2/NDF: 17293223.7/51

All: 132.442+/-0.013 χ^2/NDF: 37494581.5/10

- sign 125.609+/-0.018 χ^2/NDF: 19876466.1/54



Right In: -0.000+/-0.000 χ^2/NDF: 24.9/27

Left Out: 0.000+/-0.000 χ^2/NDF:10.6/23

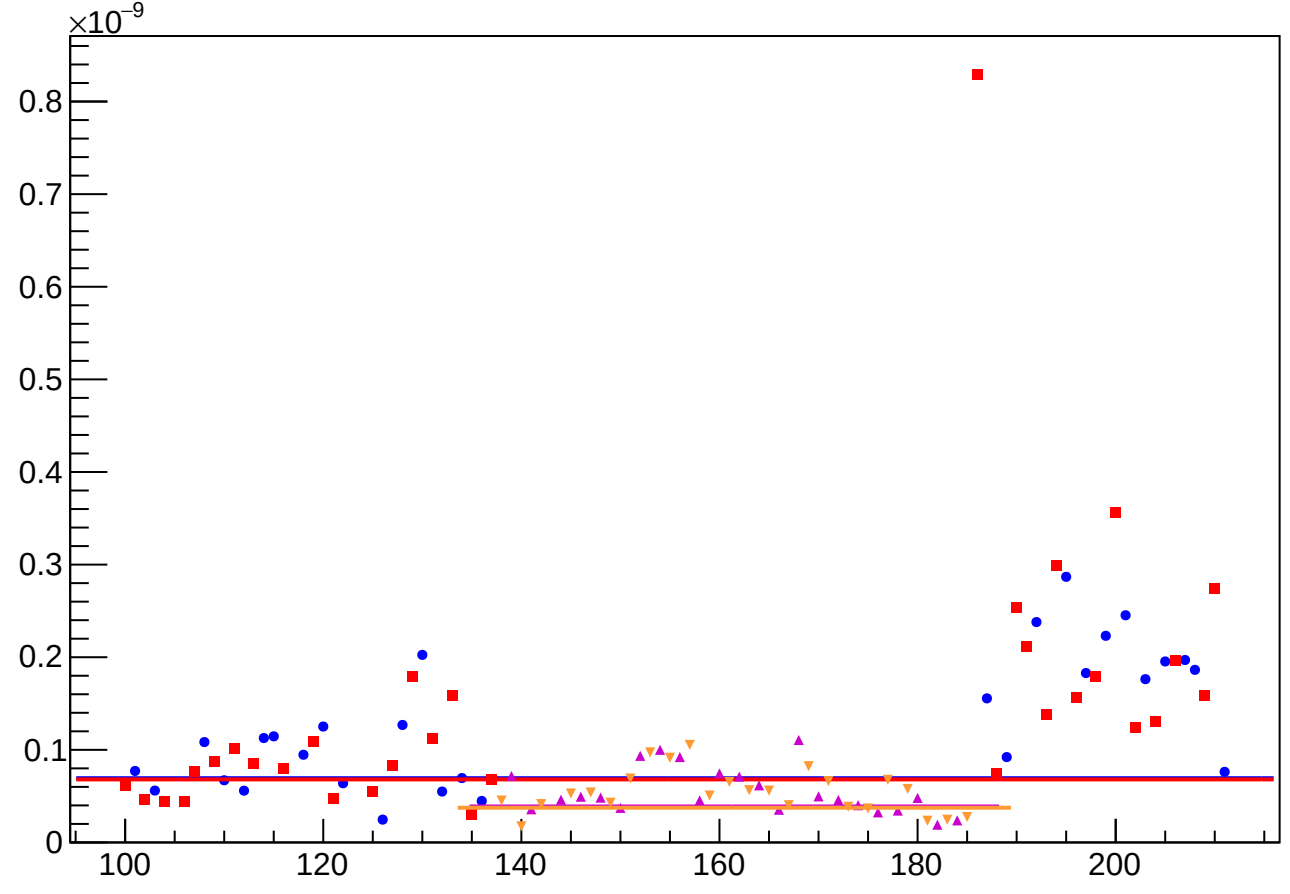
Right Out: -0.000+/-0.000 χ^2/NDF: 44.7/31

Left In: -0.000+/-0.000 χ^2/NDF:30.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 37.1/51

All: -0.000+/-0.000 χ^2/NDF: 114.5/106

- sign -0.000+/-0.000 χ^2/NDF: 75.6/54



Right In: 0.000+/-0.000 χ^2/NDF: 5914825.4/27

Left Out: 0.000+/-0.000 χ^2/NDF:4983727.4/23

Right Out: 0.000+/-0.000 χ^2/NDF: 6483527.3/31

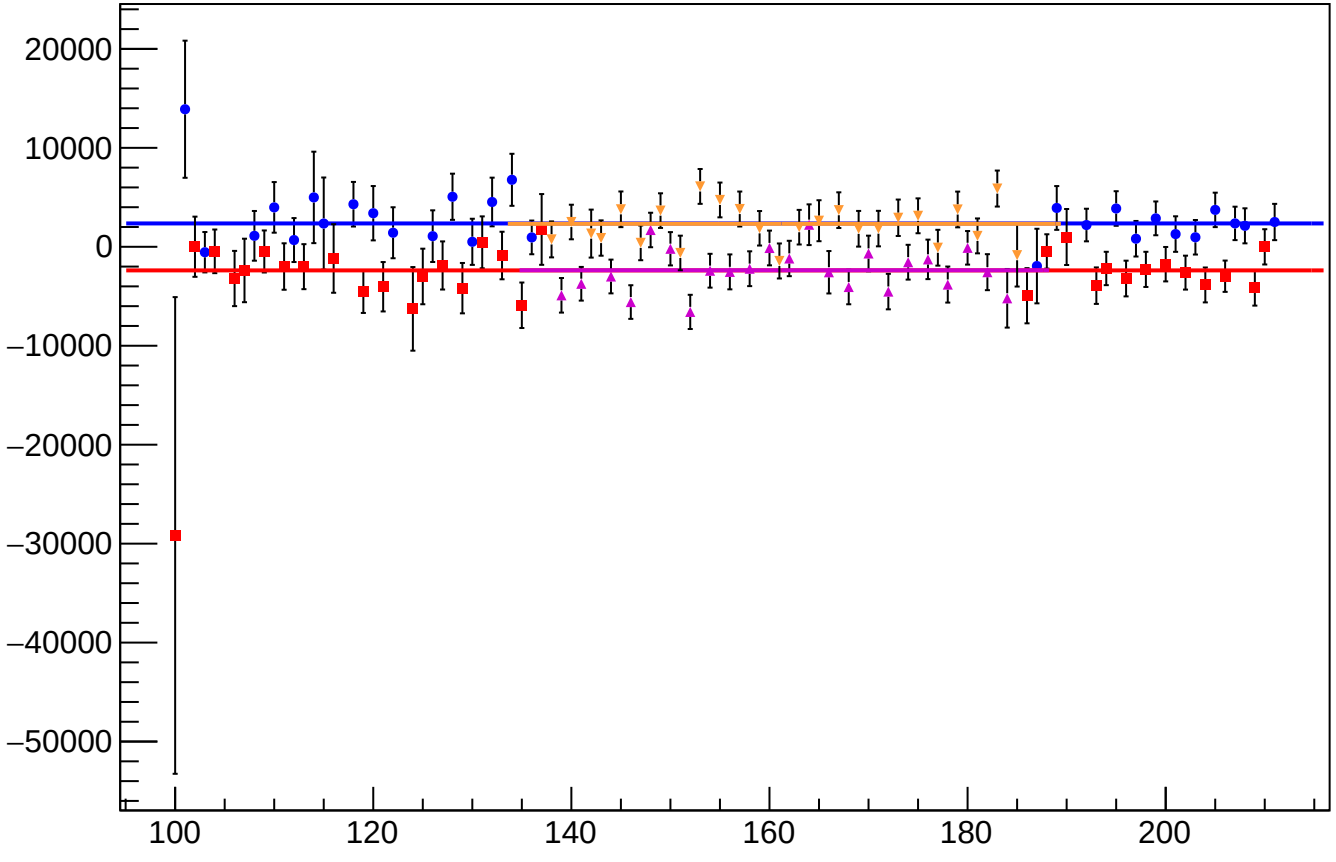
Left In: 0.000+/-0.000 χ^2/NDF:4577795.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 13163147.9/51

All: 0.000+/-0.000 χ^2/NDF: 26234899.6/106

- sign 0.000+/-0.000 χ^2/NDF: 13058429.5/54

reg_asym_usr_atr1_avg_mean vs Slug



Right In: 2360.722+/-405.667 χ^2/NDF: 18.9/27

Left Out: 2321.067+/-366.301 χ^2/NDF:27.5/24

Right Out: -2384.990+/-390.084 χ^2/NDF: 20.0/31

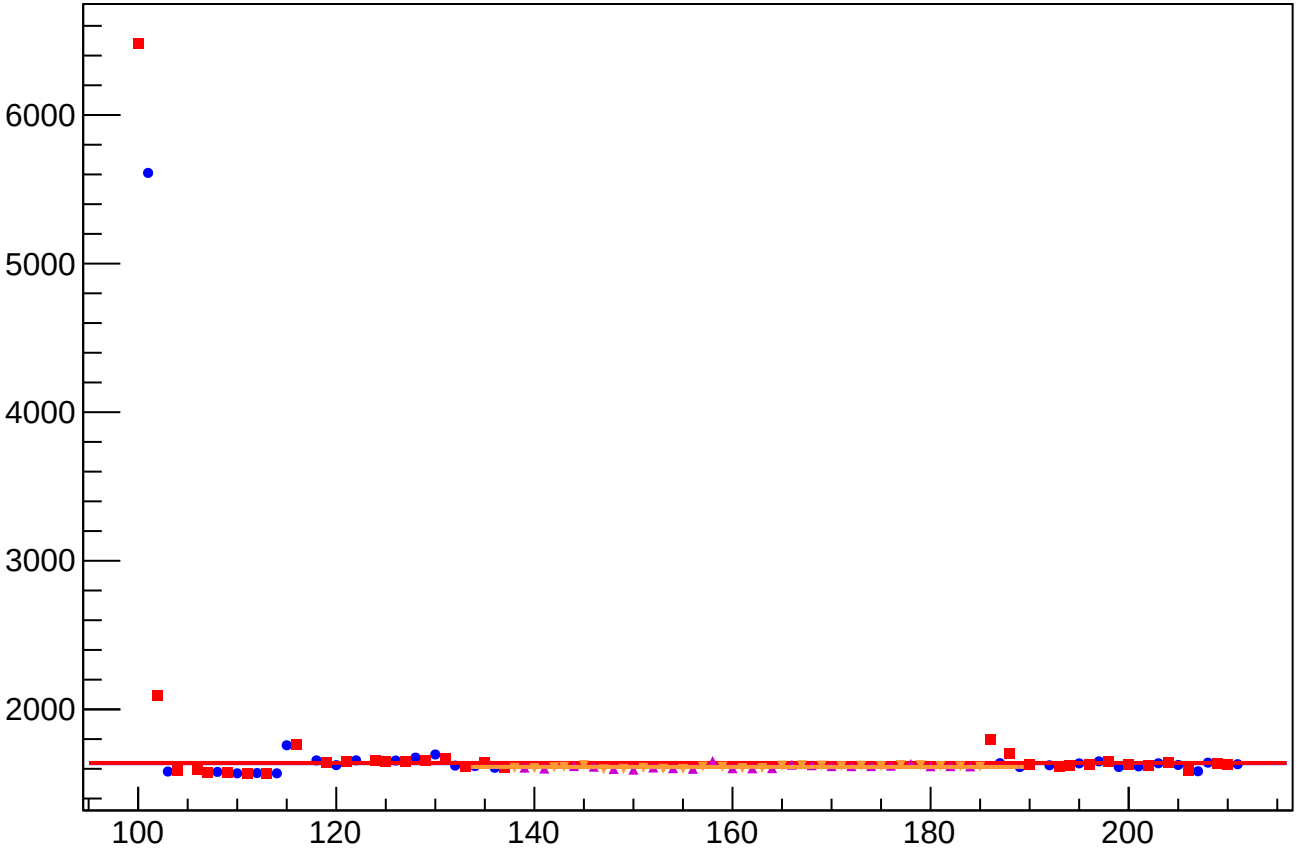
Left In: -2370.629+/-376.798 χ^2/NDF:33.7/22

+ sign 2338.877+/-271.869 χ^2/NDF: 46.4/52

All: -26.788+/-191.937 χ^2/NDF: 251.1/107

- sign -2377.561+/-271.012 χ^2/NDF: 53.8/54

reg_asym_usr_atr1_avg_rms vs Slug



Right In: 1637.997+/-0.287 χ^2/NDF: 671450.1/27

Left Out: 1612.607+/-0.259 χ^2/NDF:1172.5/24

Right Out: 1639.410+/-0.276 χ^2/NDF: 148761.4/31

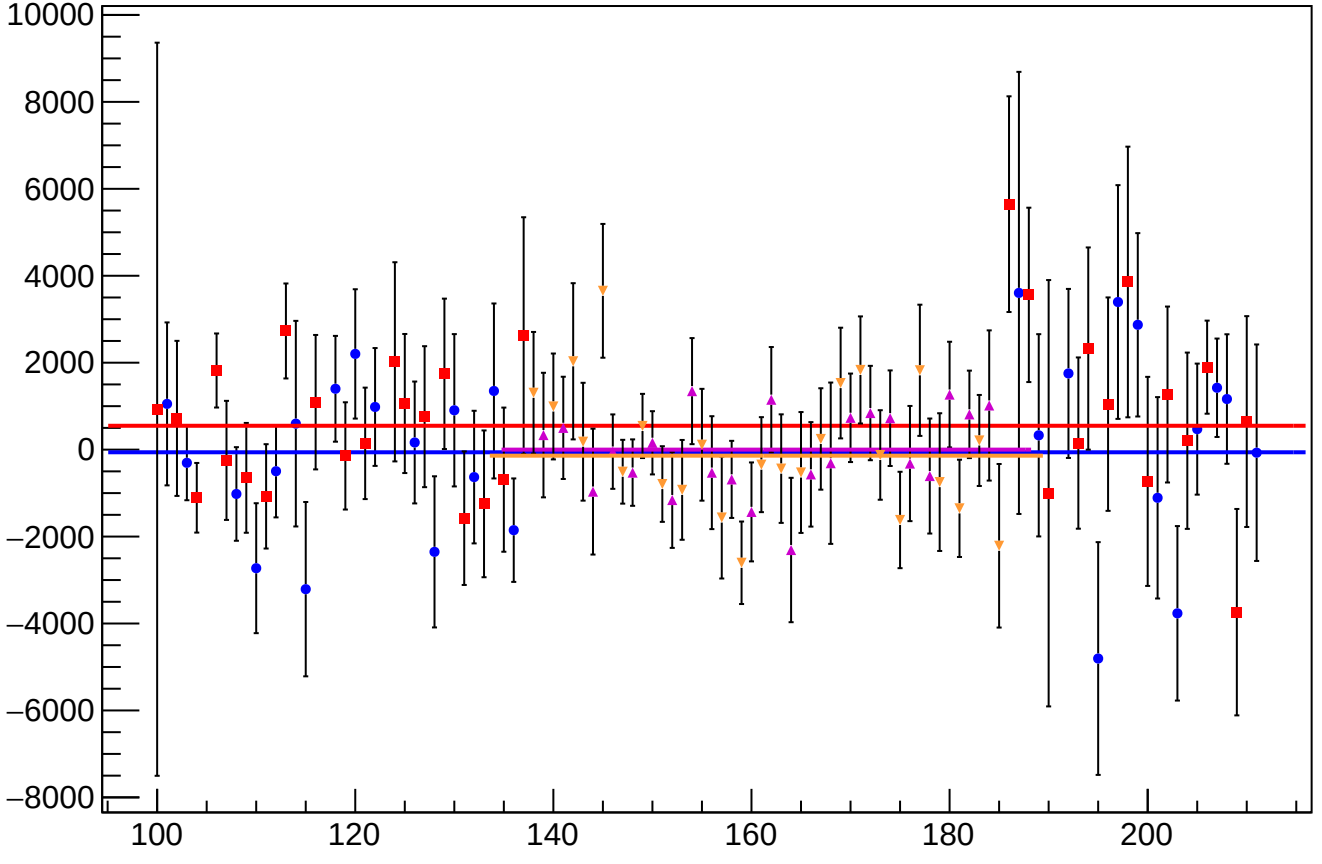
Left In: 1613.793+/-0.266 χ^2/NDF:2354.6/22

+ sign 1624.011+/-0.192 χ^2/NDF: 676938.1/52

All: 1625.088+/-0.136 χ^2/NDF: 832578.8/107

- sign 1626.158+/-0.192 χ^2/NDF: 155578.1/54

asym_usr_atr1_avg_reg_correction_mean vs Slug



Right In: -60.902+/-291.908 χ^2/NDF: 30.7/27

Left Out: -139.022+/-229.126 χ^2/NDF:30.2/24

Right Out: 549.031+/-274.689 χ^2/NDF: 33.0/31

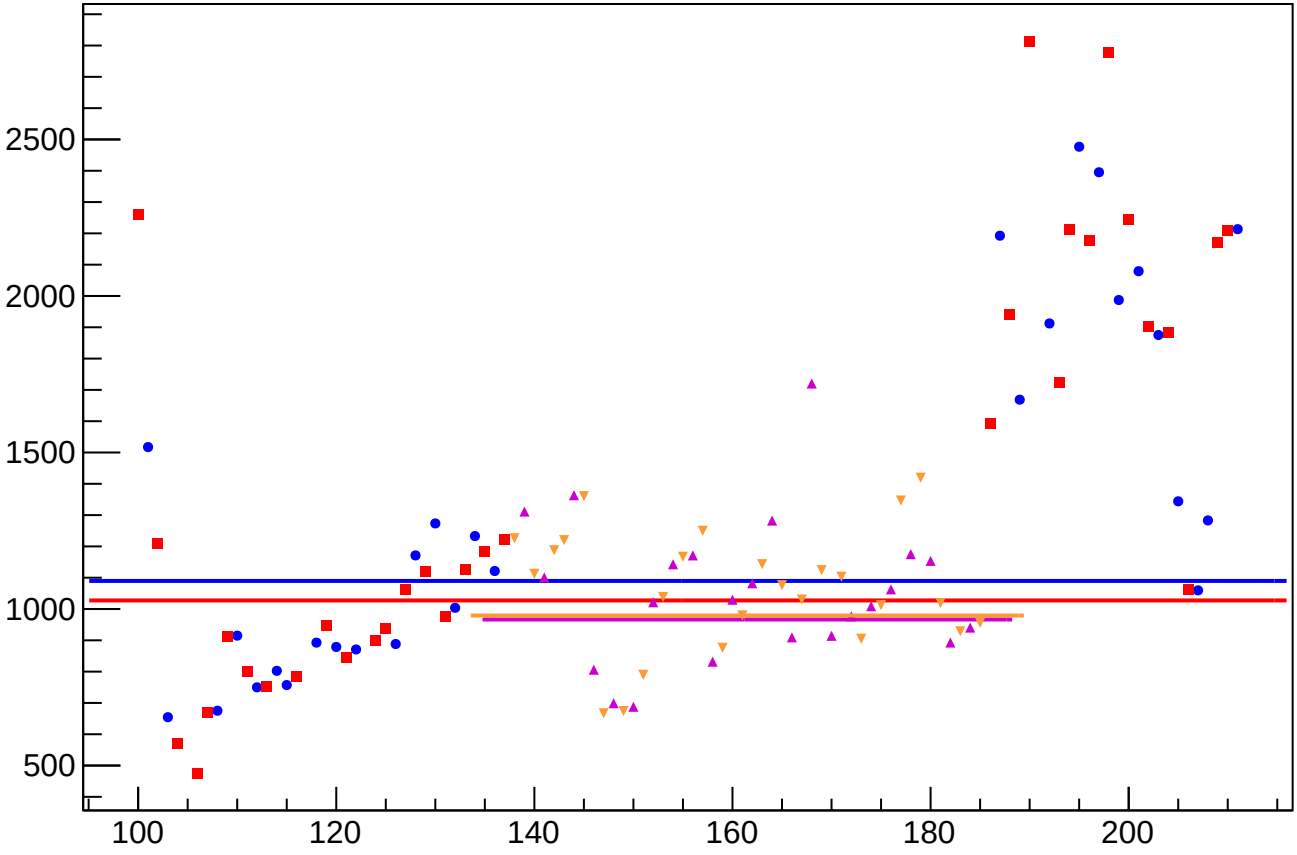
Left In: 0.092+/-231.903 χ^2/NDF:12.9/22

\+ sign -109.240+/-180.235 χ^2/NDF: 60.9/52

All: 62.513+/-126.358 χ^2/NDF: 110.8/107

\- sign 228.527+/-177.199 χ^2/NDF: 48.2/54

asym_usr_atr1_avg_reg_correction_rms vs Slug



Right In: 1089.697+/-0.206 χ^2/NDF: 4576014.4/27

Left Out: 979.294+/-0.162 χ^2/NDF:1630623.2/24

Right Out: 1027.405+/-0.194 χ^2/NDF: 6870320.5/31

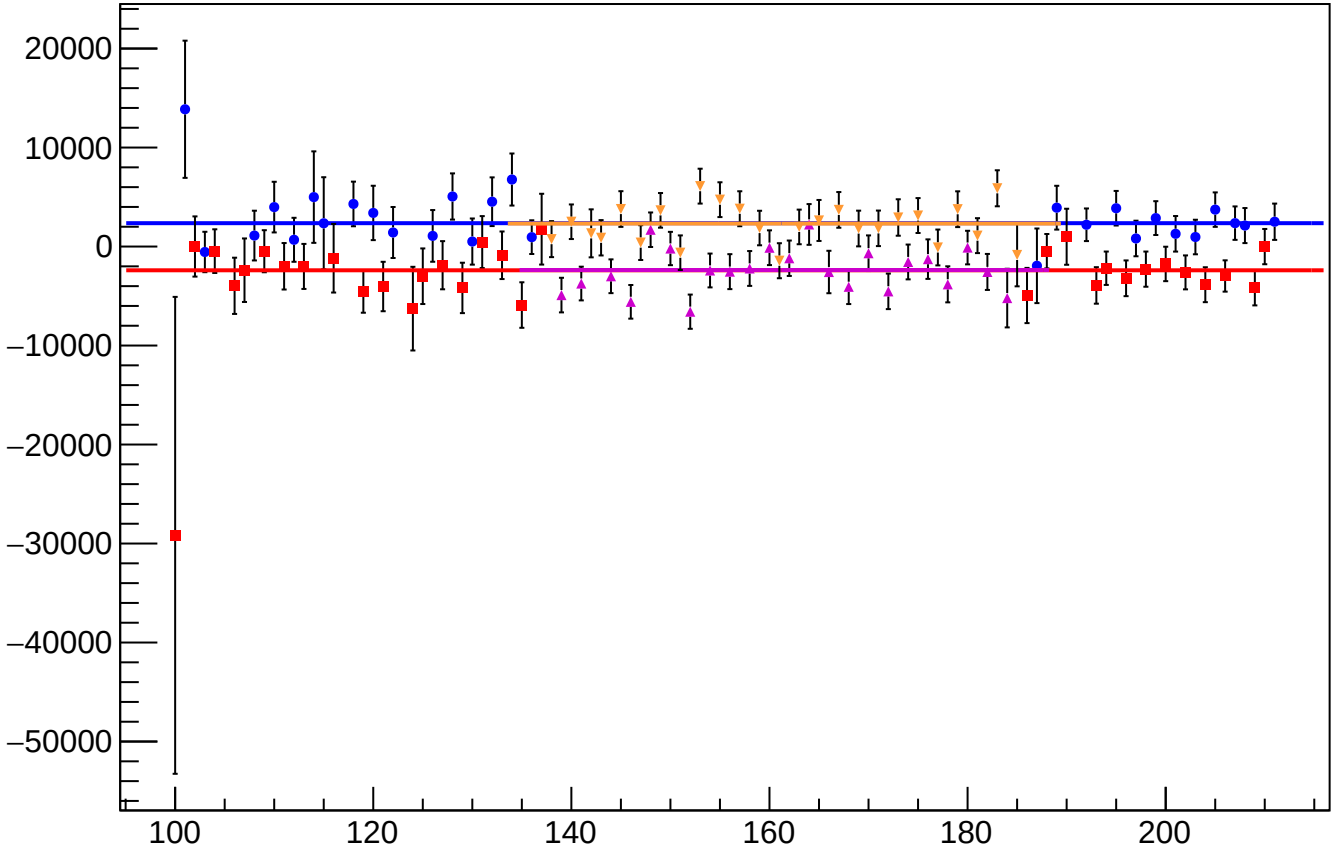
Left In: 966.526+/-0.164 χ^2/NDF:1602596.2/22

+ sign 1021.383+/-0.127 χ^2/NDF: 6383658.8/52

All: 1006.371+/-0.089 χ^2/NDF: 14941220.2/1

- sign 991.860+/-0.125 χ^2/NDF: 8530274.2/54

cor_asym_usr_atr1_avg_mean vs Slug



Right In: 2360.481+/-405.667 χ^2/NDF: 18.9/27

Left Out: 2321.025+/-366.301 χ^2/NDF:27.5/24

Right Out: -2398.966+/-390.216 χ^2/NDF: 20.2/31

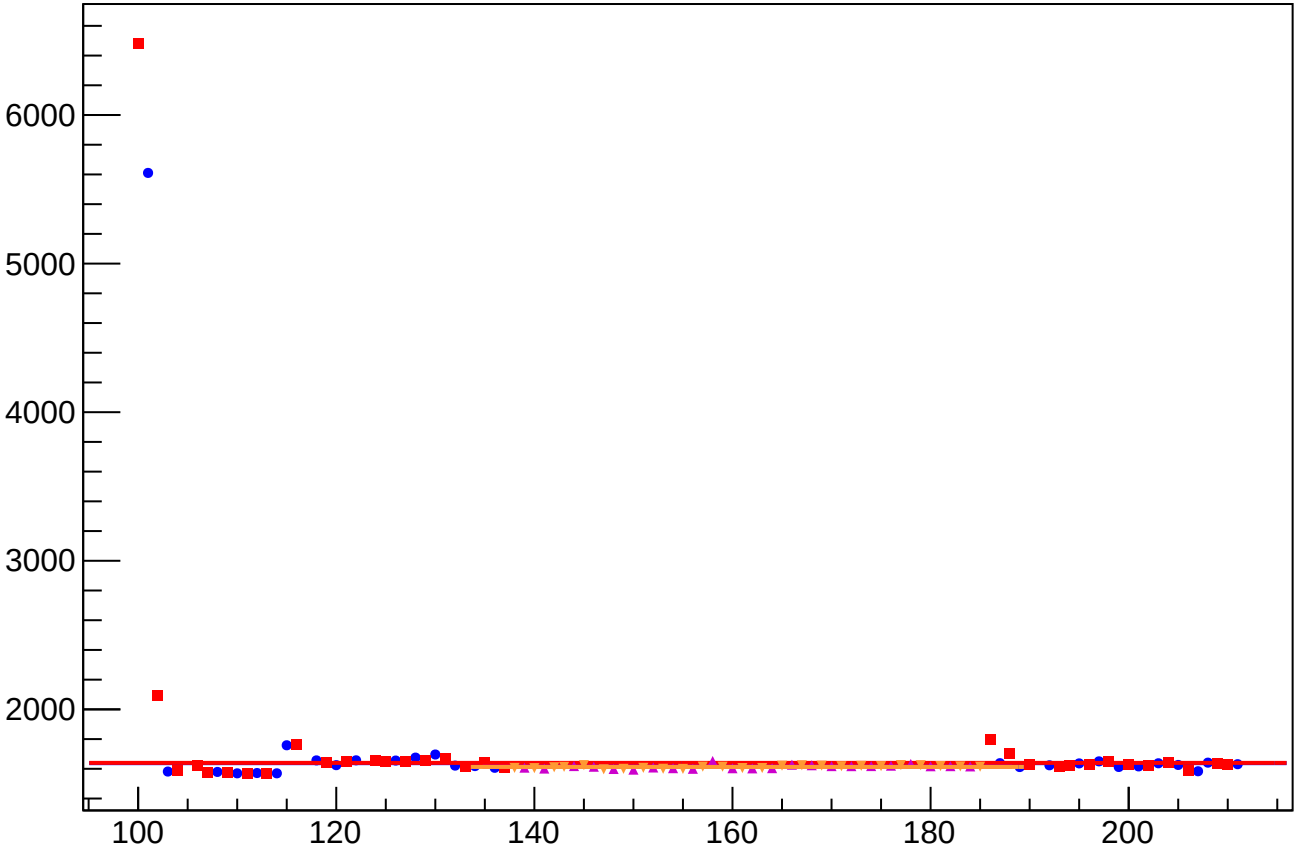
Left In: -2370.700+/-376.798 χ^2/NDF:33.7/22

+ sign 2338.746+/-271.869 χ^2/NDF: 46.4/52

All: -29.870+/-191.952 χ^2/NDF: 251.7/107

- sign -2384.338+/-271.056 χ^2/NDF: 54.0/54

cor_asym_usr_atr1_avg_rms vs Slug



Right In: 1637.997+/-0.287 χ^2/NDF: 671449.6/27

Left Out: 1612.607+/-0.259 χ^2/NDF:1172.5/24

Right Out: 1639.941+/-0.276 χ^2/NDF: 148308.3/31

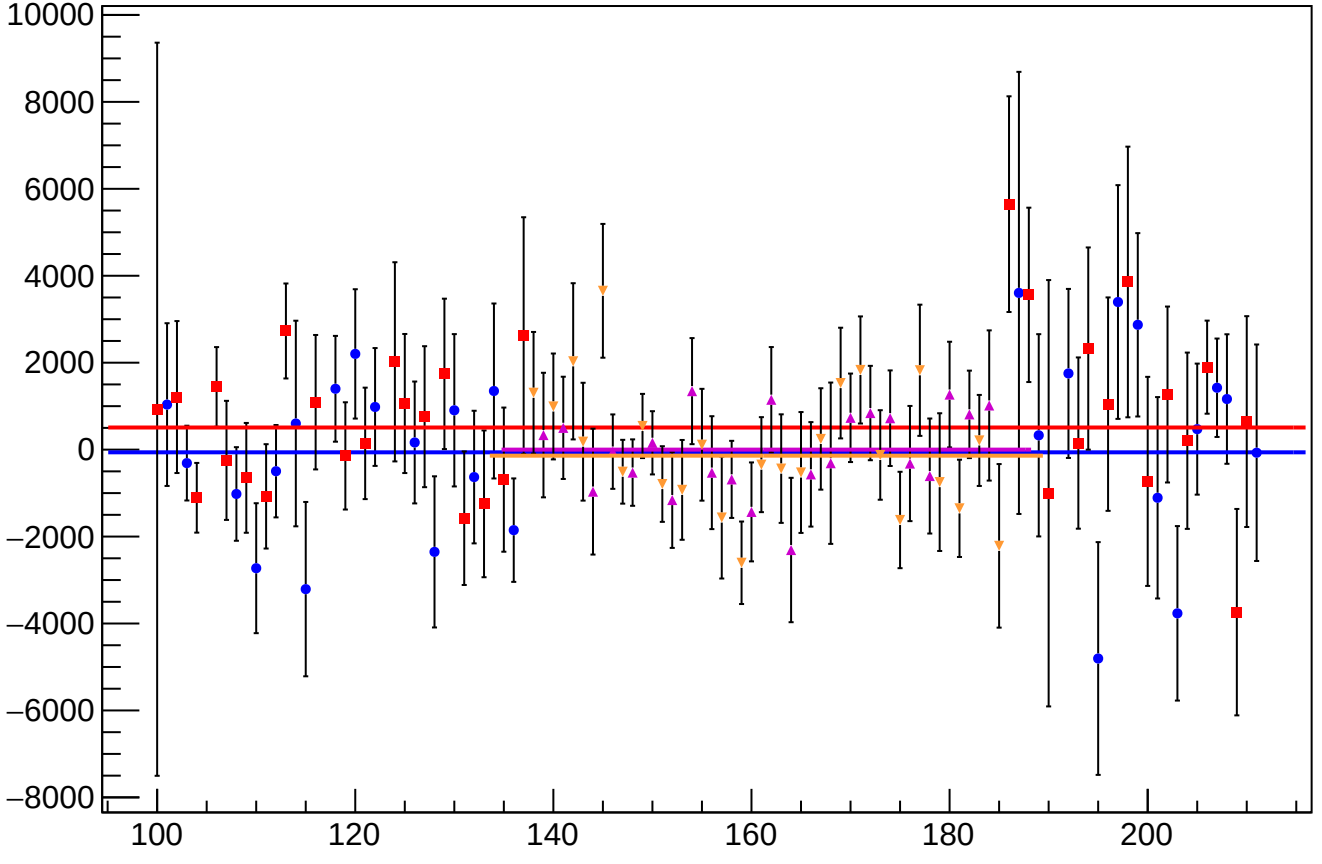
Left In: 1613.793+/-0.266 χ^2/NDF:2354.6/22

+ sign 1624.011+/-0.192 χ^2/NDF: 676937.7/52

All: 1625.214+/-0.136 χ^2/NDF: 832326.0/107

- sign 1626.410+/-0.192 χ^2/NDF: 155310.2/54

asym_usr_atr1_avg_cor_correction_mean vs Slug



Right In: -61.902+/-291.880 χ^2/NDF: 30.7/27

Left Out: -139.074+/-229.125 χ^2/NDF:30.2/24

Right Out: 509.042+/-276.558 χ^2/NDF: 31.8/31

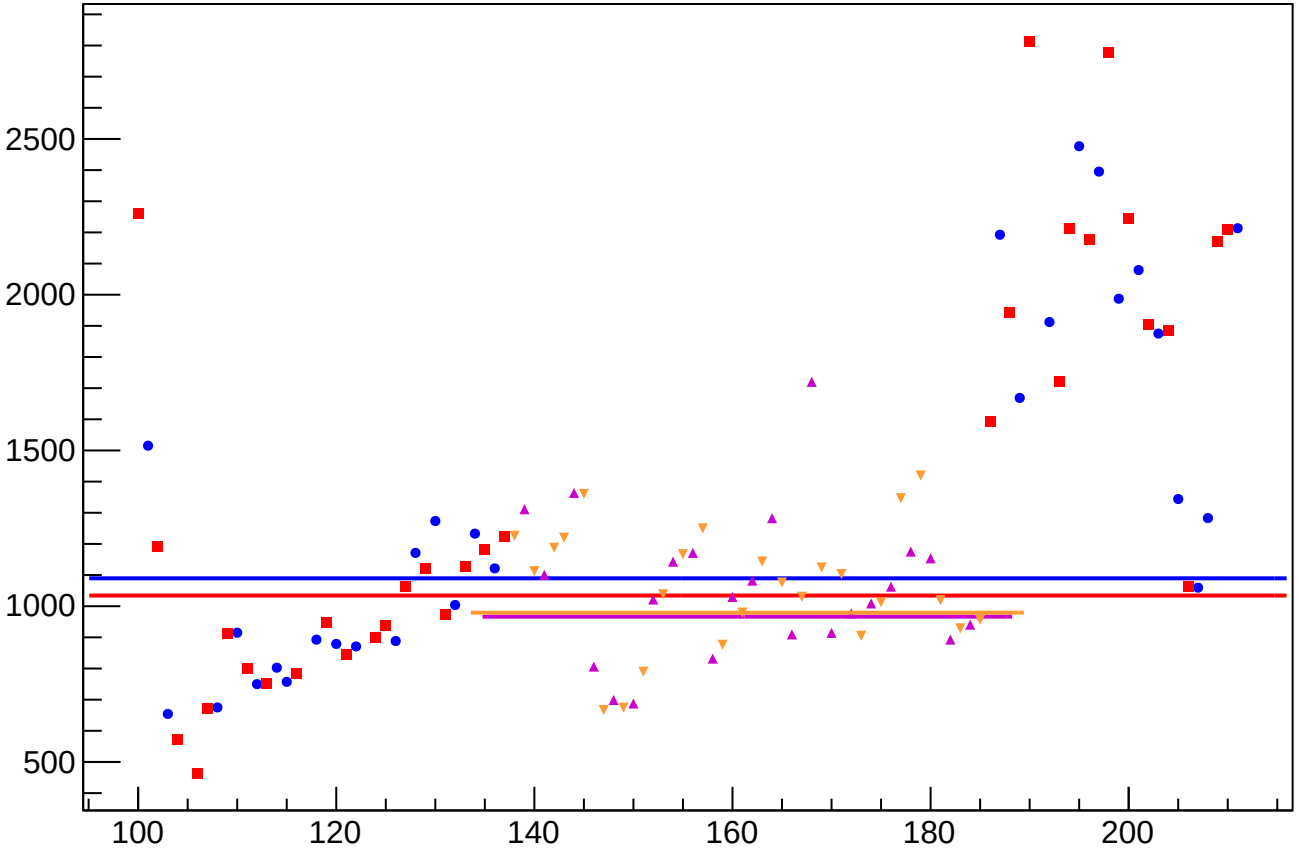
Left In: 0.068+/-231.904 χ^2/NDF:12.9/22

+ sign -109.650+/-180.228 χ^2/NDF: 60.9/52

All: 52.535+/-126.537 χ^2/NDF: 109.1/107

- sign 210.199+/-177.698 χ^2/NDF: 46.6/54

asym_usr_atr1_avg_cor_correction_rms vs Slug



Right In: 1089.586+/-0.206 χ^2/NDF: 4576649.6/27

Left Out: 979.288+/-0.162 χ^2/NDF:1630731.2/24

Right Out: 1034.223+/-0.196 χ^2/NDF: 6777861.1/31

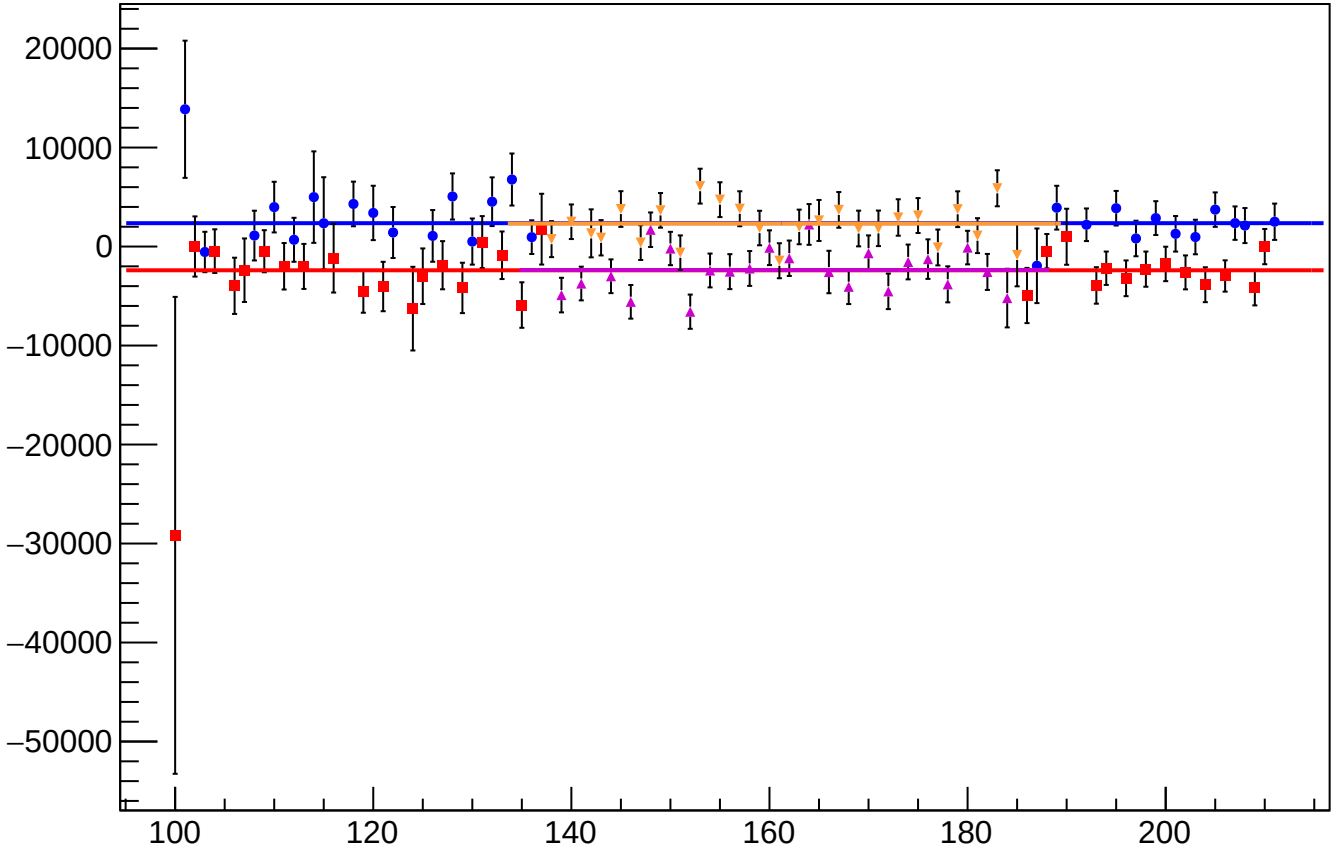
Left In: 966.531+/-0.164 χ^2/NDF:1602562.1/22

+ sign 1021.342+/-0.127 χ^2/NDF: 6384089.0/52

All: 1007.720+/-0.089 χ^2/NDF: 14857395.6/1

- sign 994.478+/-0.126 χ^2/NDF: 8450774.9/54

eigen_cor_asym_usr_atr1_avg_mean vs Slug



Right In: 2360.481+/-405.667 χ^2/NDF: 18.9/27

Left Out: 2321.025+/-366.301 χ^2/NDF:27.5/24

Right Out: -2398.966+/-390.216 χ^2/NDF: 20.2/31

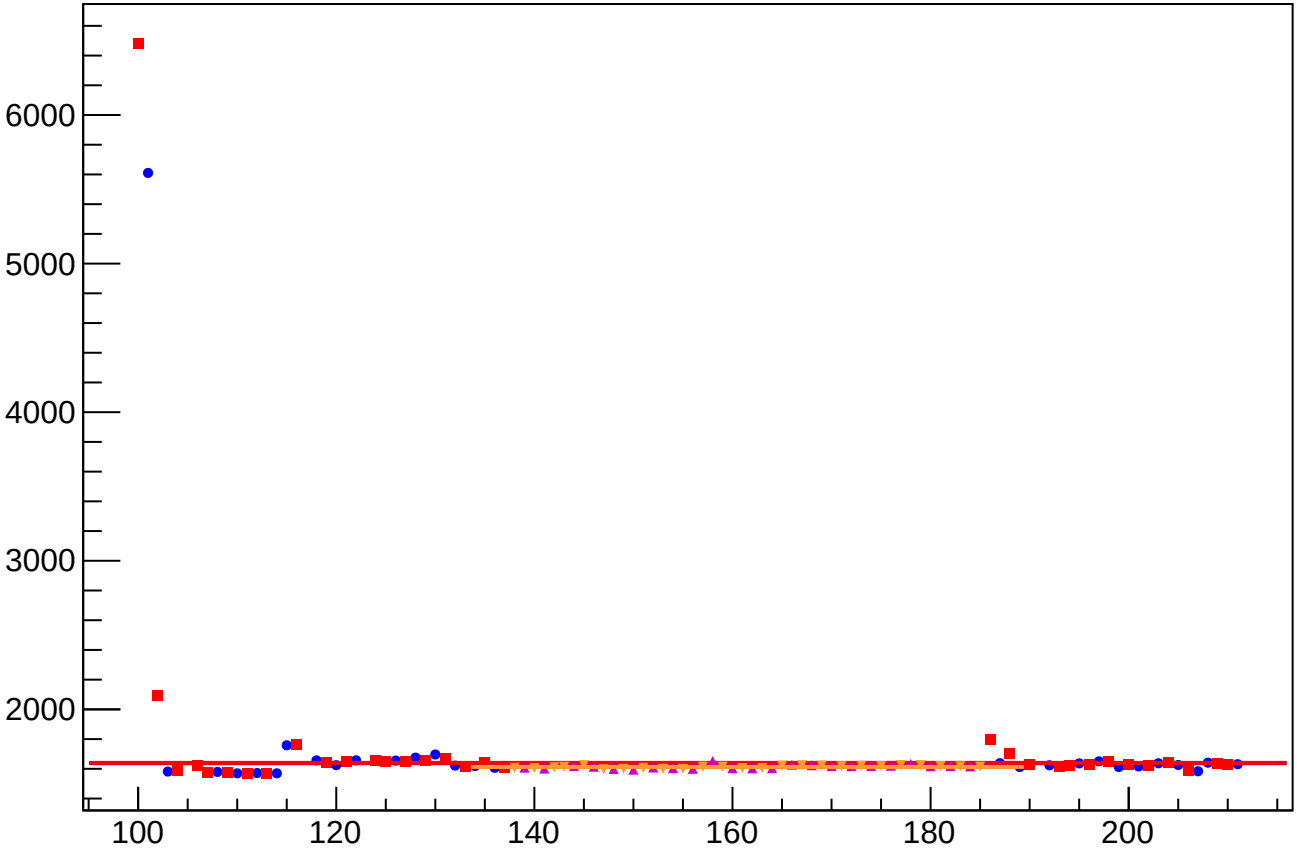
Left In: -2370.700+/-376.798 χ^2/NDF:33.7/22

+ sign 2338.746+/-271.869 χ^2/NDF: 46.4/52

All: -29.870+/-191.952 χ^2/NDF: 251.7/107

- sign -2384.338+/-271.056 χ^2/NDF: 54.0/54

eigen_cor_asym_usr_atr1_avg_rms vs Slug



Right In: 1637.997+/-0.287 χ^2/NDF: 671449.6/27

Left Out: 1612.607+/-0.259 χ^2/NDF:1172.5/24

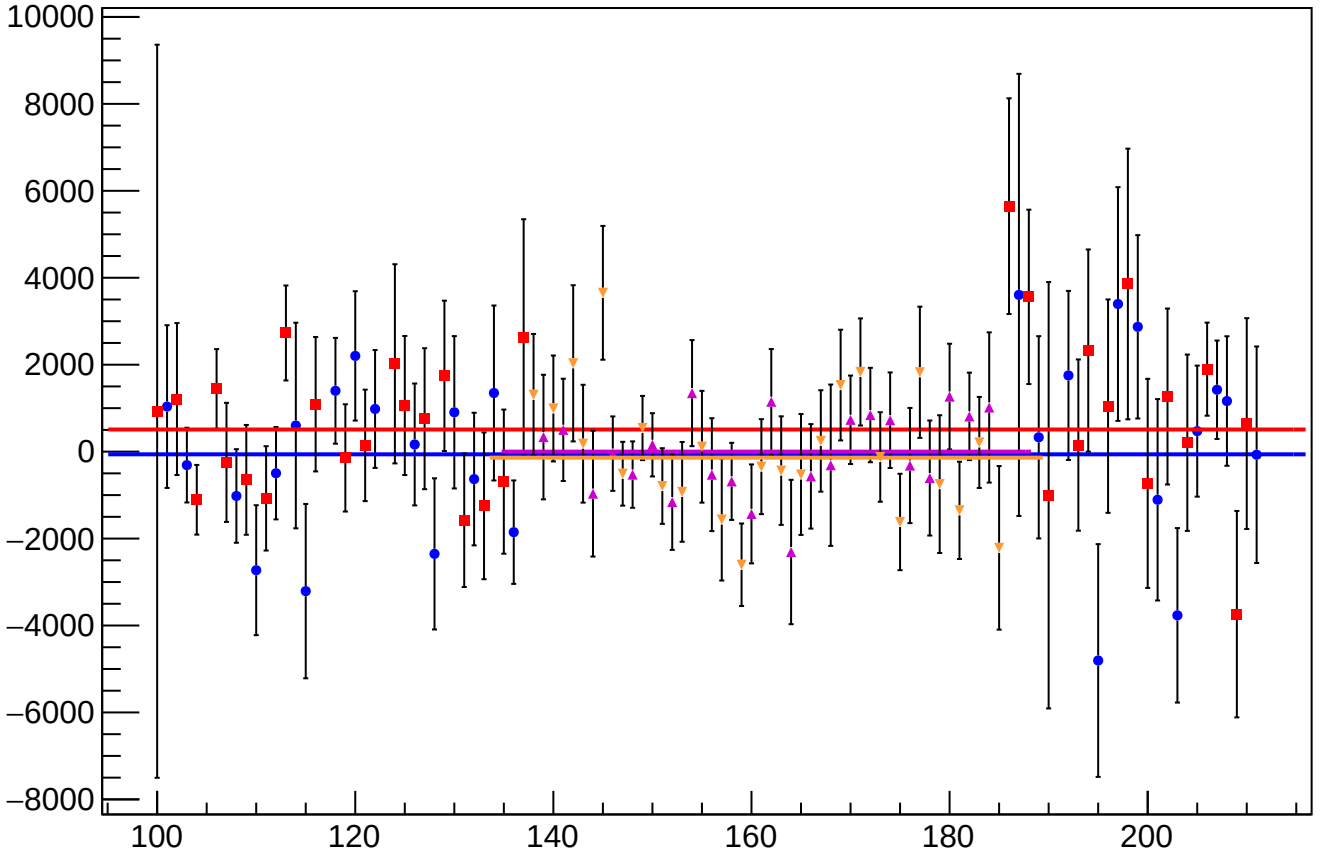
Right Out: 1639.941+/-0.276 χ^2/NDF: 148308.3/31

Left In: 1613.793+/-0.266 χ^2/NDF:2354.6/22

+ sign 1624.011+/-0.192 χ^2/NDF: 676937.7/52

All: 1625.214+/-0.136 χ^2/NDF: 832326.0/107

- sign 1626.410+/-0.192 χ^2/NDF: 155310.2/54



Right In: -61.902+/-291.880 χ^2/NDF: 30.7/27

Left Out: -139.074+/-229.125 χ^2/NDF:30.2/24

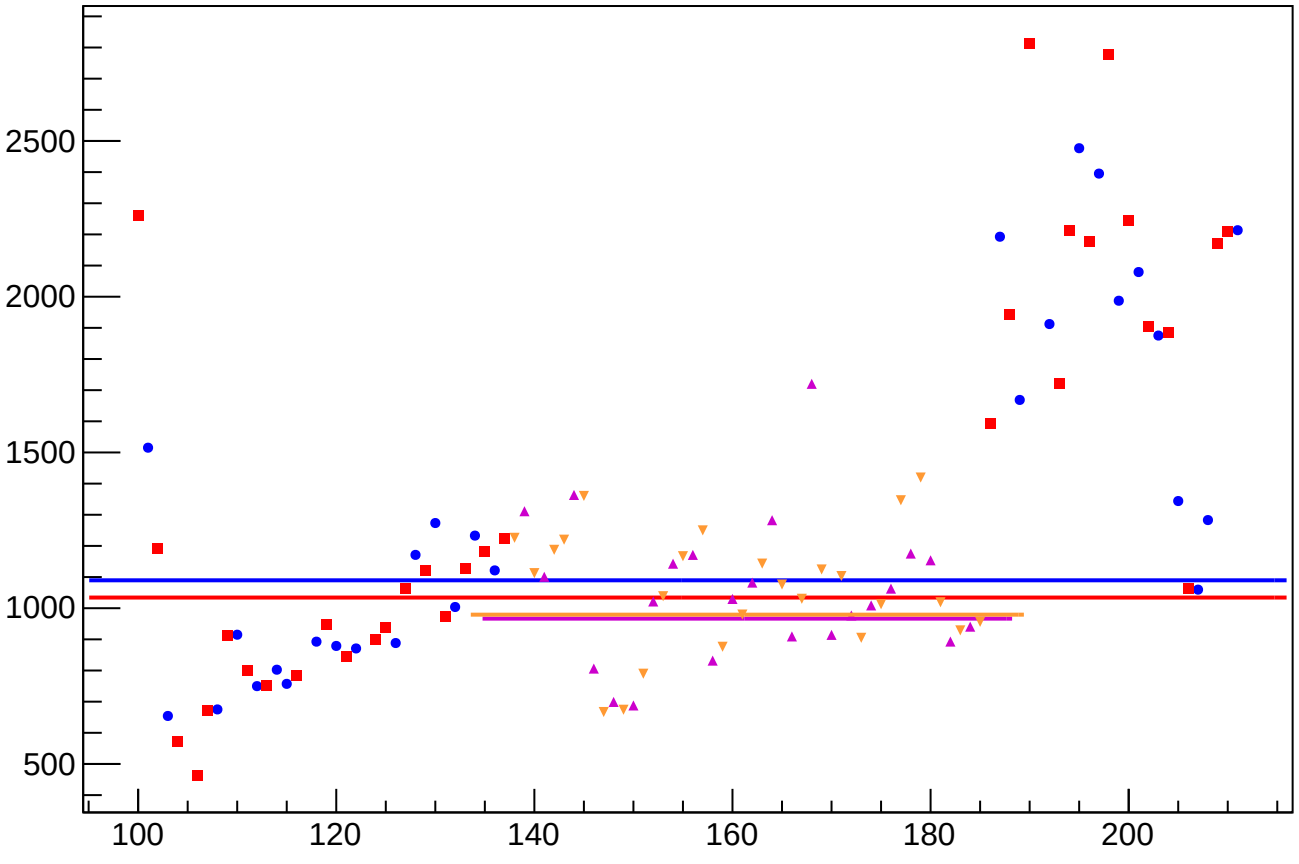
Right Out: 509.042+/-276.558 χ^2/NDF: 31.8/31

Left In: 0.068+/-231.904 χ^2/NDF:12.9/22

\+ sign -109.650+/-180.228 χ^2/NDF: 60.9/52

All: 52.535+/-126.537 χ^2/NDF: 109.1/107

\- sign 210.199+/-177.698 χ^2/NDF: 46.6/54



Right In: 1089.586+/-0.206 χ^2/NDF: 4576649.6/27

Left Out: 979.288+/-0.162 χ^2/NDF:1630731.2/24

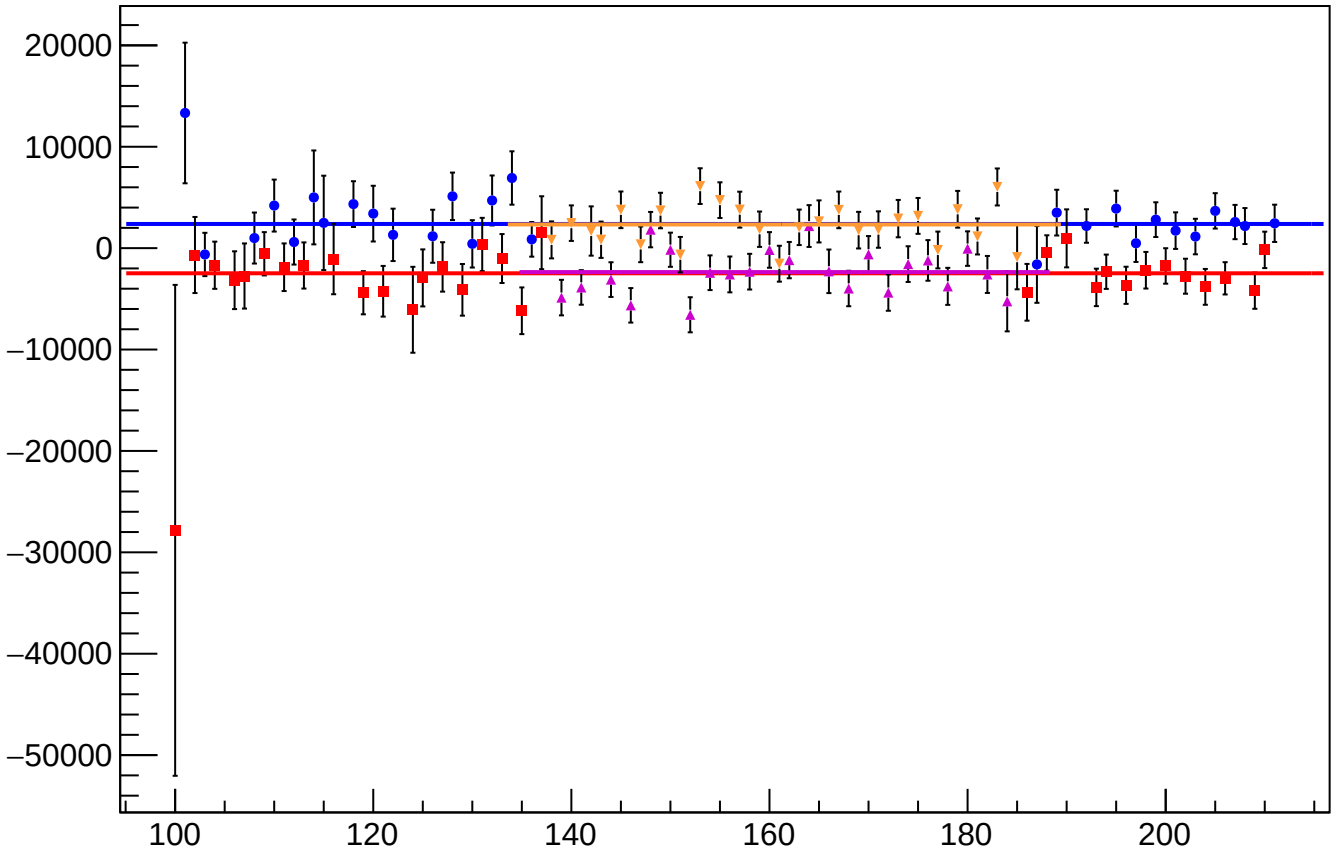
Right Out: 1034.223+/-0.196 χ^2/NDF: 6777861.1/31

Left In: 966.531+/-0.164 χ^2/NDF:1602562.1/22

+ sign 1021.342+/-0.127 χ^2/NDF: 6384089.0/52

All: 1007.720+/-0.089 χ^2/NDF: 14857395.6/1

- sign 994.478+/-0.126 χ^2/NDF: 8450774.9/54



Right In: 2385.170+/-408.094 χ^2/NDF: 18.7/27

Left Out: 2334.840+/-366.991 χ^2/NDF:28.3/24

Right Out: -2479.647+/-393.707 χ^2/NDF: 18.3/31

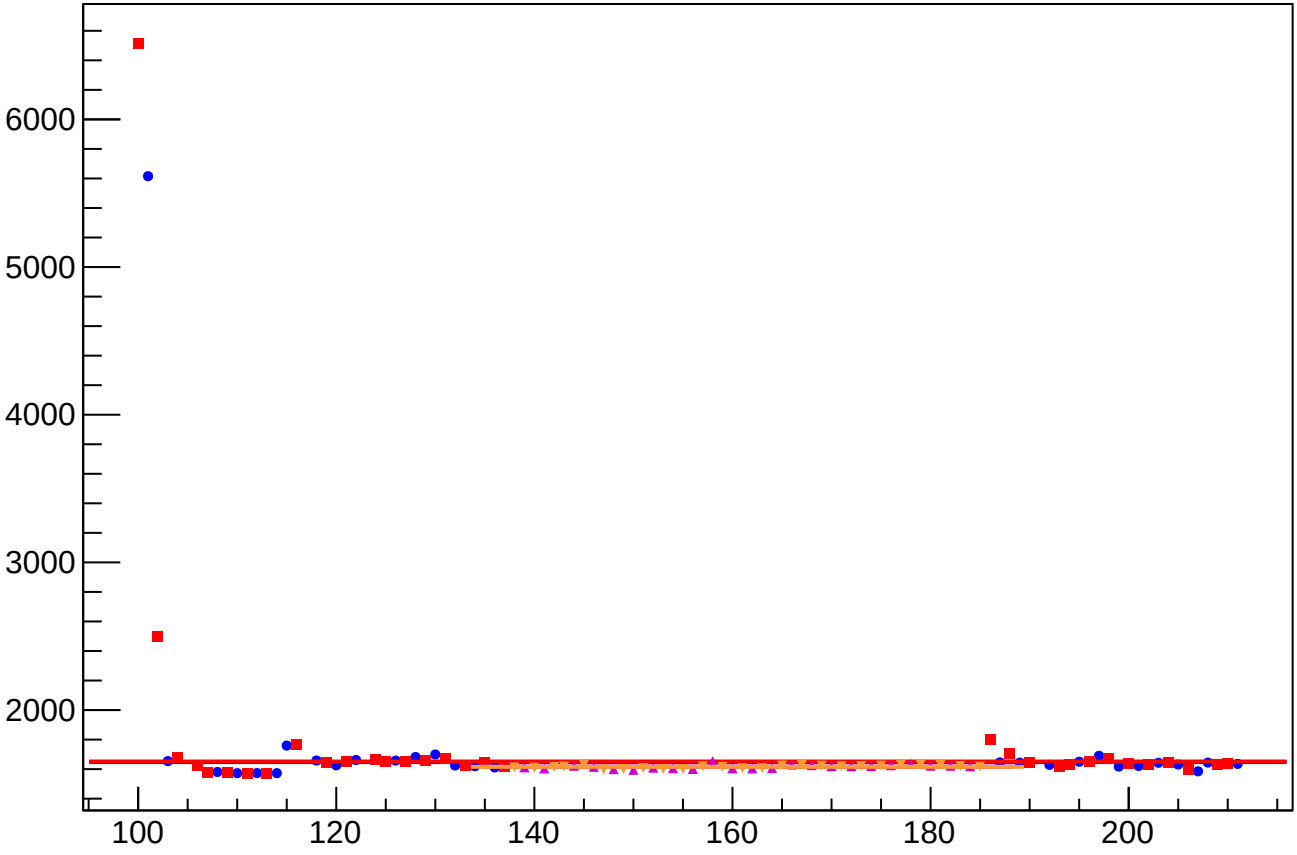
Left In: -2360.289+/-377.400 χ^2/NDF:34.0/22

+ sign 2357.343+/-272.880 χ^2/NDF: 47.0/52

All: -33.860+/-192.801 χ^2/NDF: 252.6/107

- sign -2417.445+/-272.445 χ^2/NDF: 52.3/54

dit_asym_usr_atr1_avg_rms vs Slug



Right In: 1647.689+/-0.289 χ^2/NDF: 670065.8/27

Left Out: 1615.633+/-0.260 χ^2/NDF:1447.2/24

Right Out: 1651.479+/-0.278 χ^2/NDF: 205560.0/31

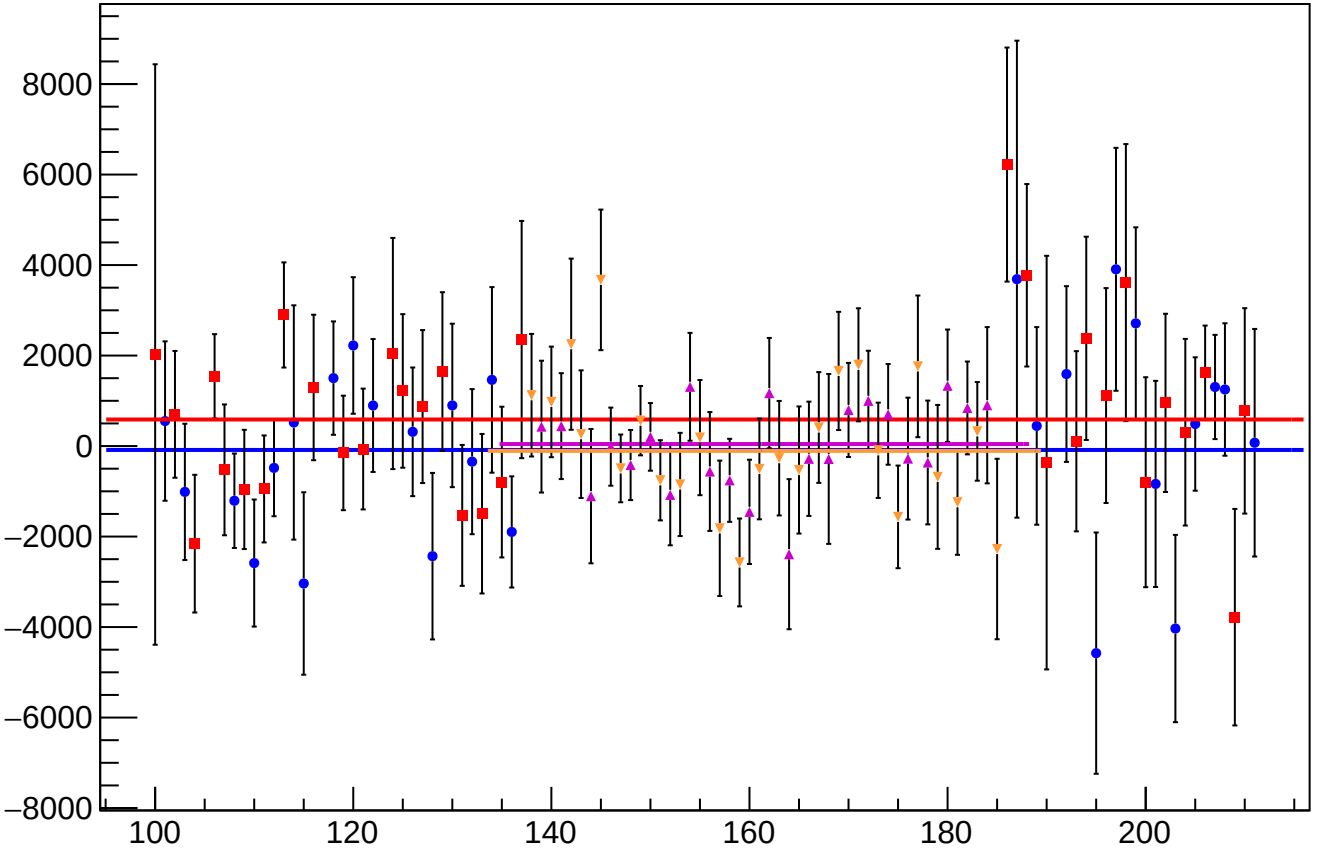
Left In: 1616.361+/-0.267 χ^2/NDF:2557.7/22

+ sign 1629.966+/-0.193 χ^2/NDF: 678335.6/52

All: 1631.574+/-0.136 χ^2/NDF: 894885.1/107

- sign 1633.178+/-0.193 χ^2/NDF: 216410.8/54

asym_usr_atr1_avg_dit_correction_mean vs Slug



Right In: -86.025+/-306.224 χ^2/NDF: 30.6/27

Left Out: -106.338+/-234.306 χ^2/NDF:29.0/24

Right Out: 587.228+/-291.325 χ^2/NDF: 31.8/31

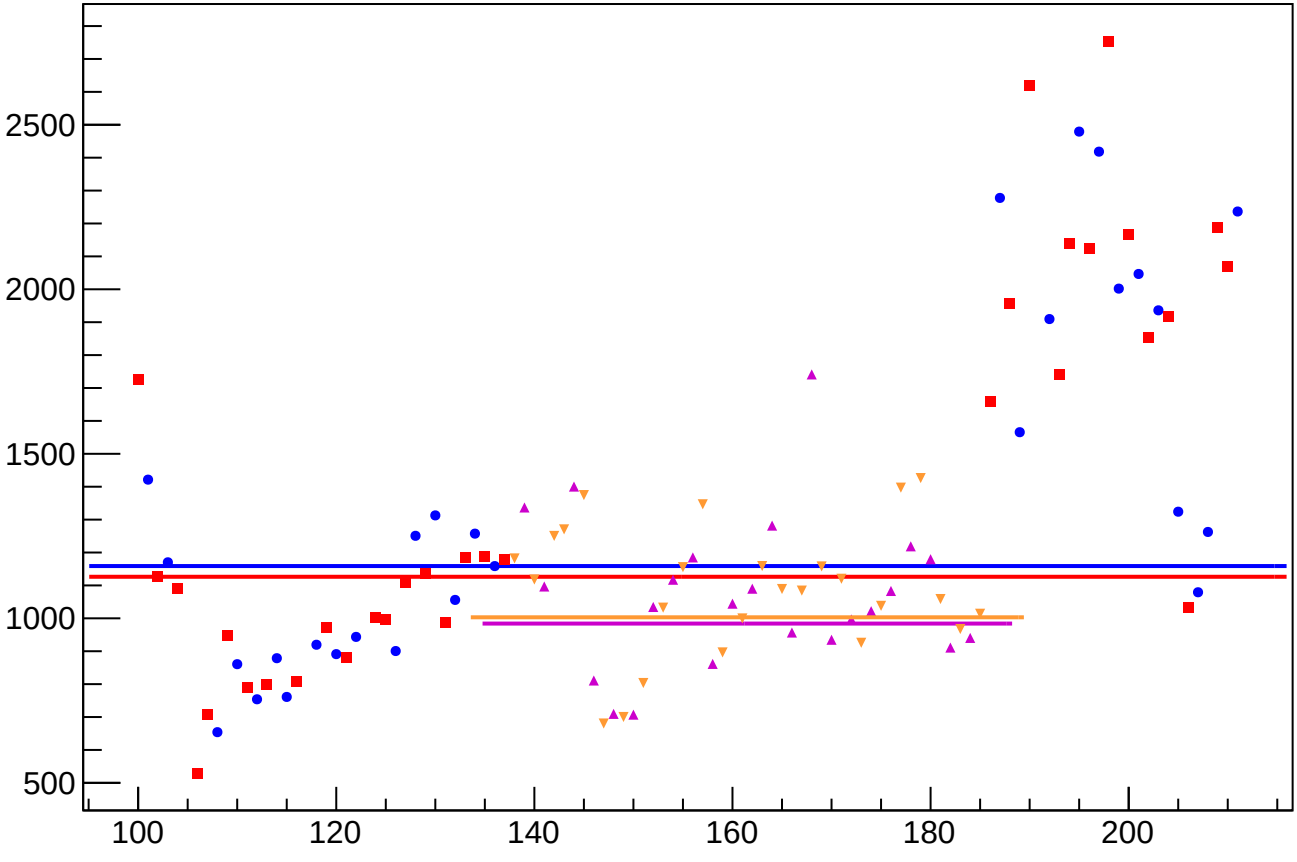
Left In: 44.469+/-235.733 χ^2/NDF:12.8/22

+ sign -98.837+/-186.083 χ^2/NDF: 59.7/52

All: 82.940+/-130.569 χ^2/NDF: 108.2/107

- sign 259.230+/-183.254 χ^2/NDF: 46.7/54

asym_usr_atr1_avg_dit_correction_rms vs Slug



Right In: 1158.875+/-0.217 χ^2/NDF: 3971661.7/27

Left Out: 1003.101+/-0.166 χ^2/NDF:1598415.6/24

Right Out: 1126.309+/-0.206 χ^2/NDF: 5463206.6/31

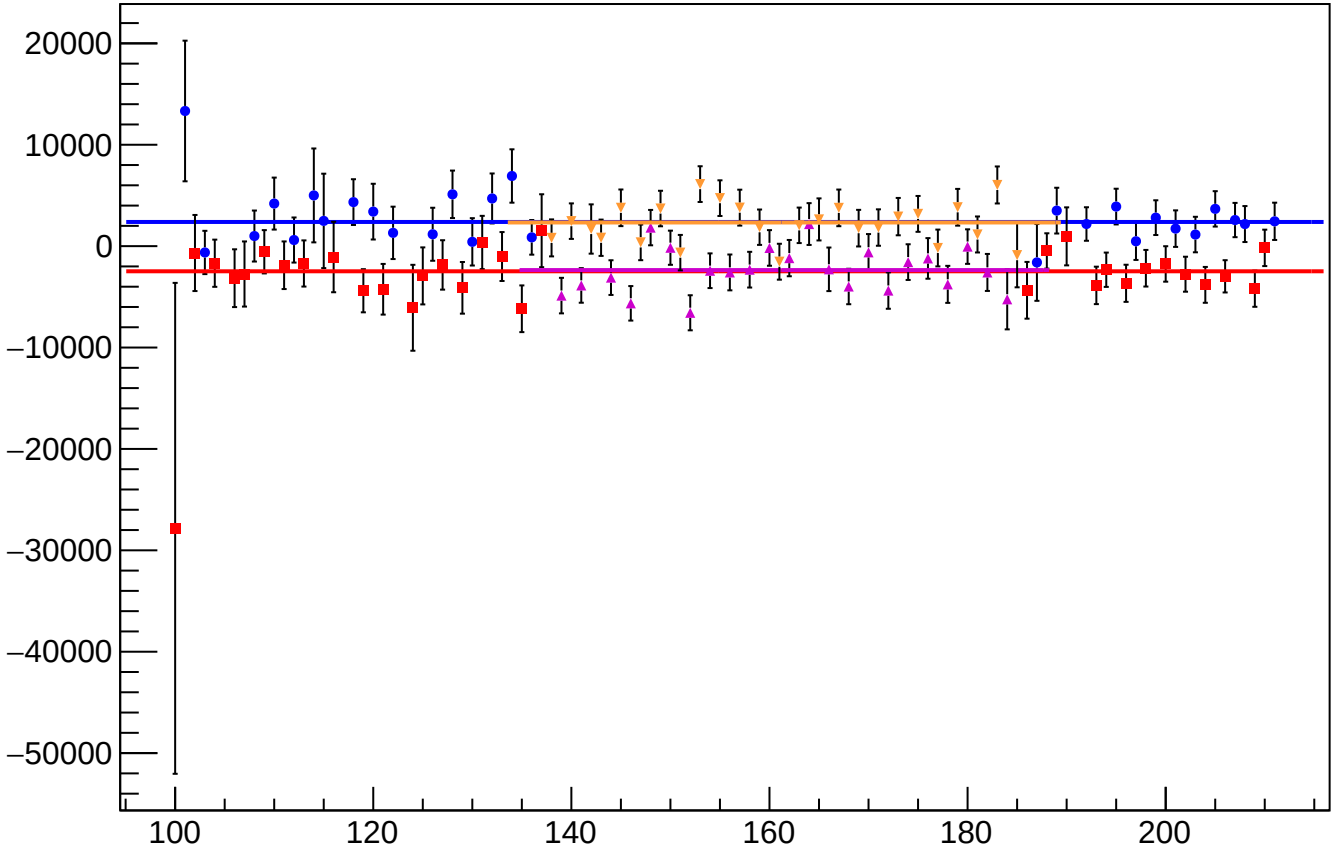
Left In: 984.053+/-0.167 χ^2/NDF:1559561.5/22

+ sign 1060.623+/-0.132 χ^2/NDF: 5896506.1/52

All: 1050.327+/-0.092 χ^2/NDF: 13219523.7/1

- sign 1040.342+/-0.130 χ^2/NDF: 7310957.3/54

eigen_dit_asym_usr_atr1_avg_mean vs Slug



Right In: 2385.170+/-408.094 χ^2/NDF: 18.7/27

Left Out: 2334.839+/-366.991 χ^2/NDF:28.3/24

Right Out: -2479.645+/-393.707 χ^2/NDF: 18.3/31

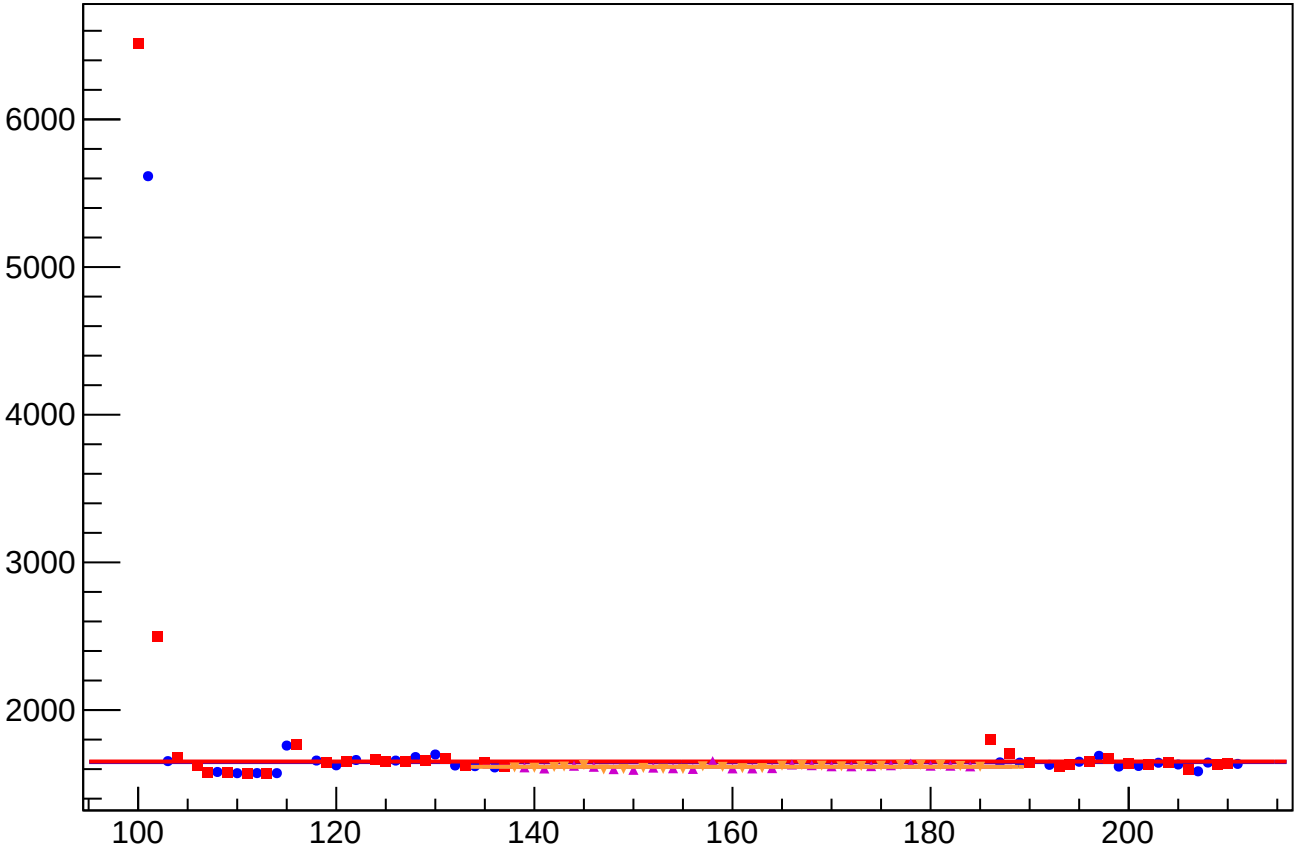
Left In: -2360.289+/-377.400 χ^2/NDF:34.0/22

+ sign 2357.343+/-272.880 χ^2/NDF: 47.0/52

All: -33.859+/-192.801 χ^2/NDF: 252.6/107

- sign -2417.444+/-272.445 χ^2/NDF: 52.3/54

eigen_dit_asym_usr_atr1_avg_rms vs Slug



Right In: 1647.689+/-0.289 χ^2/NDF: 670065.8/27

Left Out: 1615.633+/-0.260 χ^2/NDF:1447.2/24

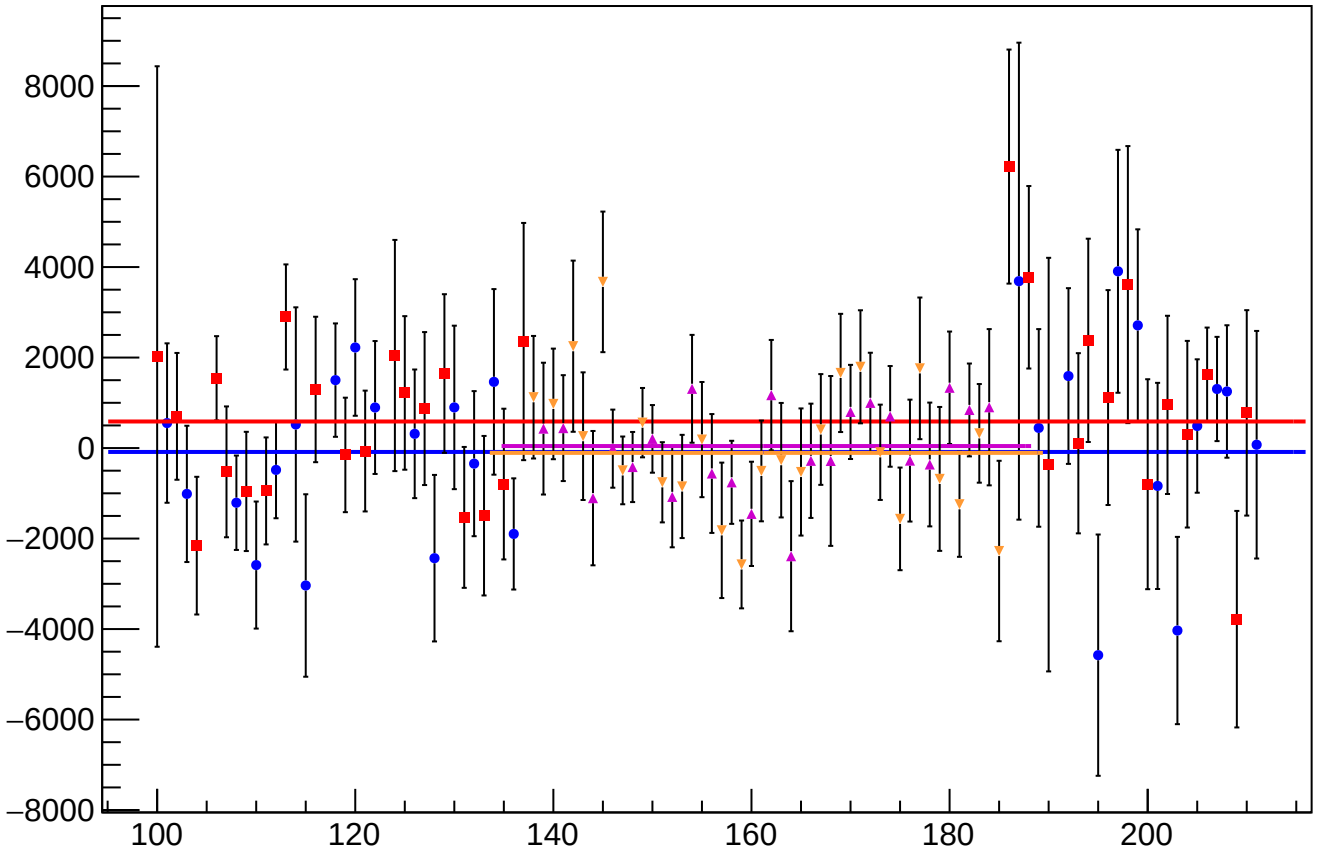
Right Out: 1651.479+/-0.278 χ^2/NDF: 205559.9/31

Left In: 1616.361+/-0.267 χ^2/NDF:2557.7/22

+ sign 1629.966+/-0.193 χ^2/NDF: 678335.5/52

All: 1631.574+/-0.136 χ^2/NDF: 894884.9/107

- sign 1633.178+/-0.193 χ^2/NDF: 216410.6/54



Right In: -86.026+/-306.223 χ^2/NDF: 30.6/27

Left Out: -106.340+/-234.307 χ^2/NDF:29.0/24

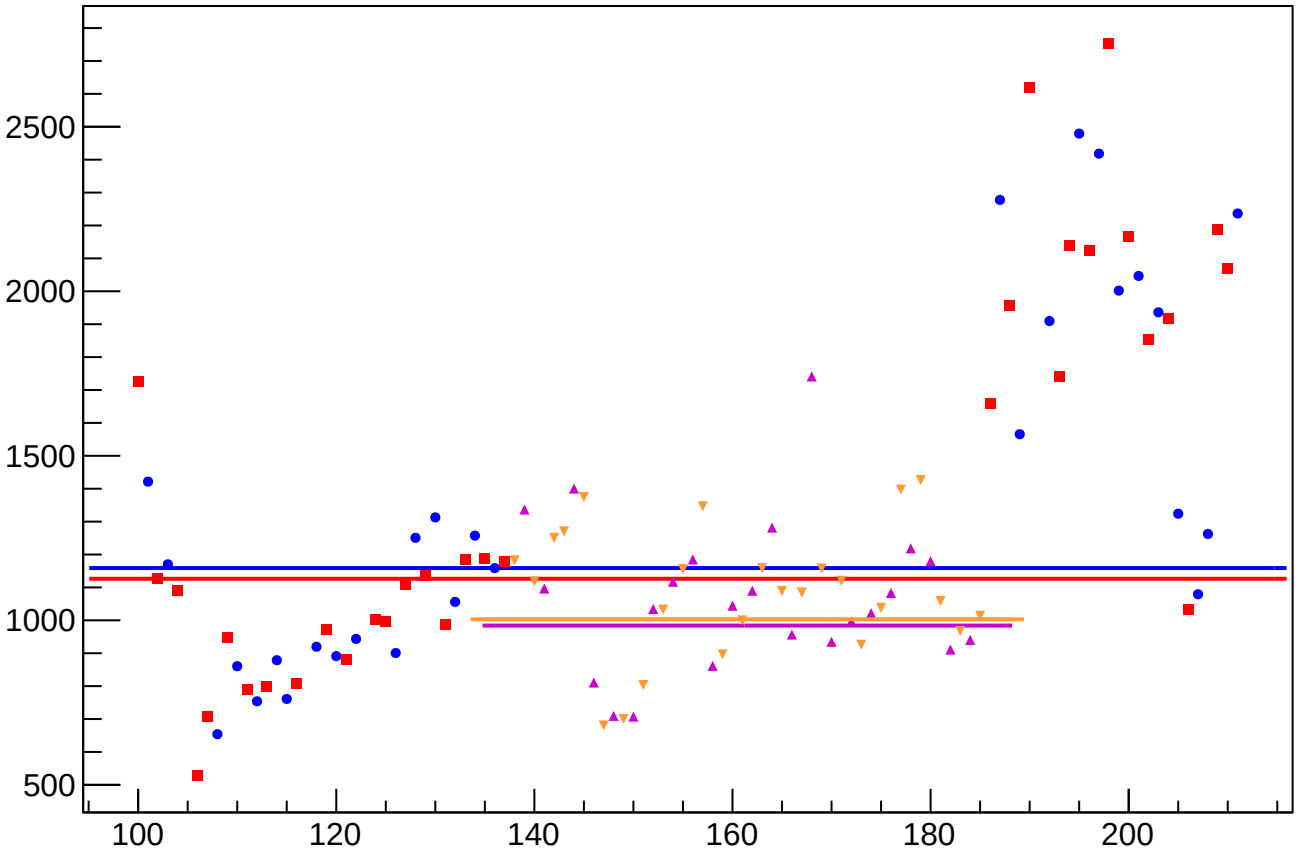
Right Out: 587.226+/-291.325 χ^2/NDF: 31.8/31

Left In: 44.468+/-235.733 χ^2/NDF:12.8/22

+ sign -98.839+/-186.083 χ^2/NDF: 59.7/52

All: 82.939+/-130.569 χ^2/NDF: 108.2/107

- sign 259.230+/-183.254 χ^2/NDF: 46.7/54



Right In: 1158.872+/-0.217 χ^2/NDF: 3971707.8/27

Left Out: 1003.103+/-0.166 χ^2/NDF:1598417.7/24

Right Out: 1126.307+/-0.206 χ^2/NDF: 5463240.7/31

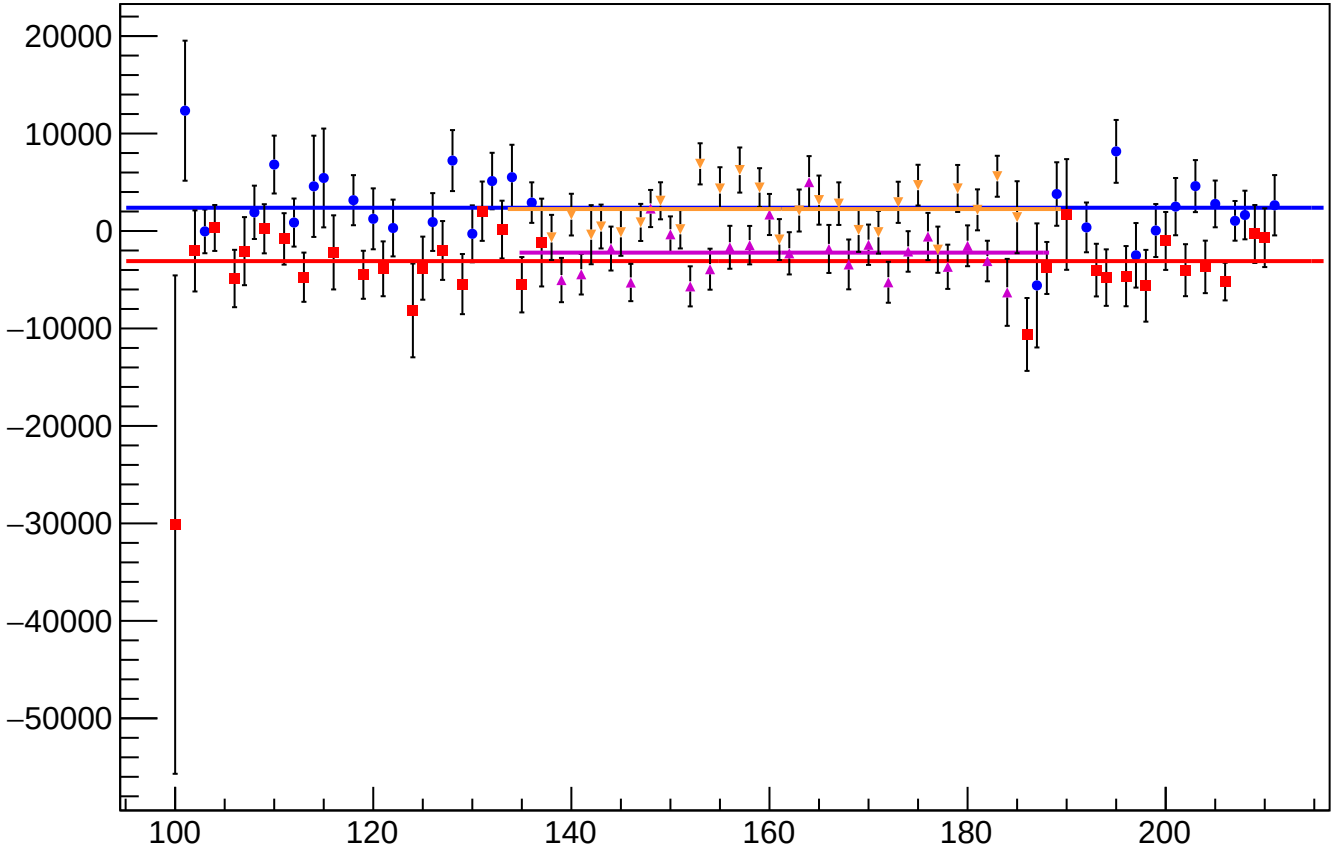
Left In: 984.055+/-0.167 χ^2/NDF:1559563.7/22

+ sign 1060.623+/-0.132 χ^2/NDF: 5896532.5/52

All: 1050.327+/-0.092 χ^2/NDF: 13219568.1/1

- sign 1040.342+/-0.130 χ^2/NDF: 7310975.2/54

asym_usr_atr1_avg_mean vs Slug



Right In: 2386.037+/-543.781 χ^2/NDF: 22.1/27

Left Out: 2252.380+/-442.213 χ^2/NDF:28.3/24

Right Out: -3089.143+/-529.642 χ^2/NDF: 23.2/31

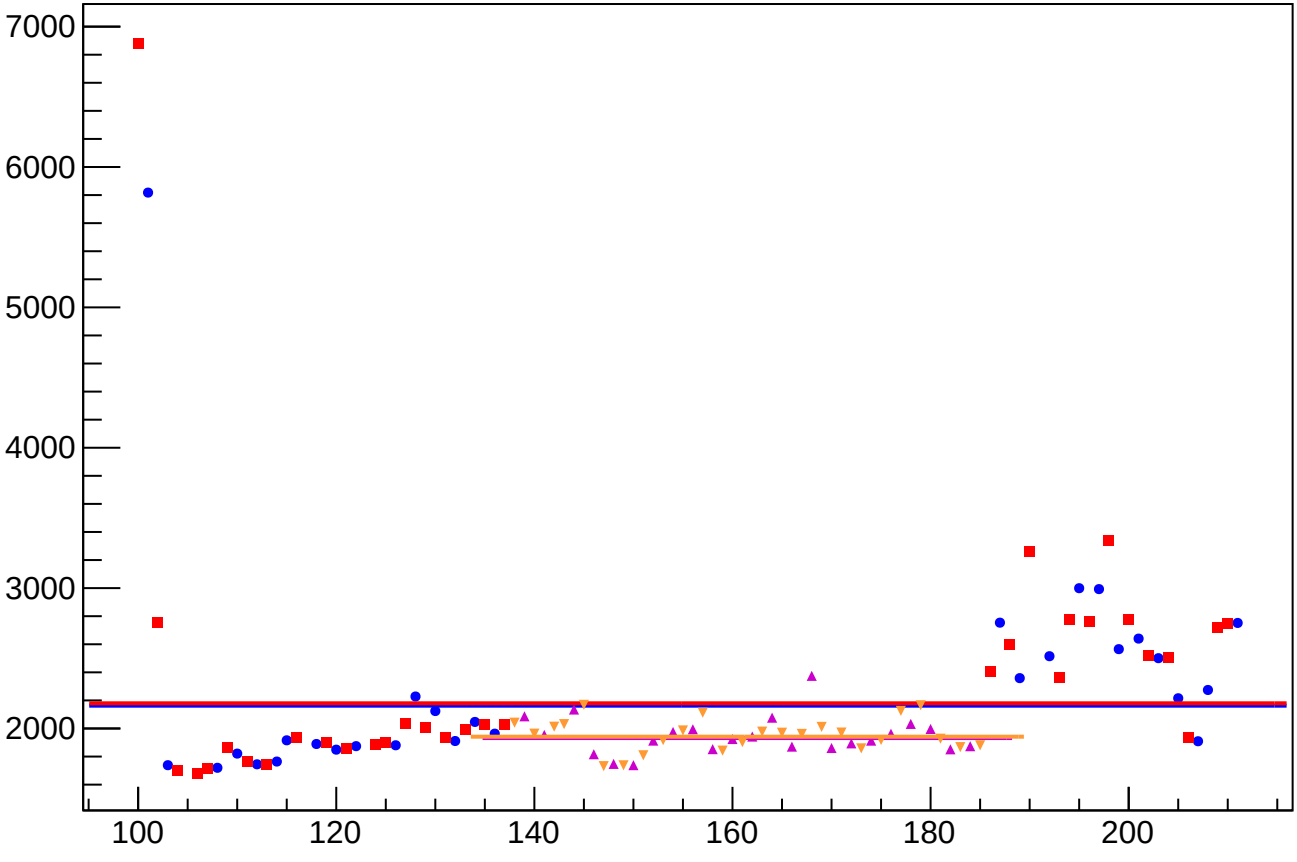
Left In: -2219.401+/-452.286 χ^2/NDF:31.5/22

+ sign 2305.585+/-343.087 χ^2/NDF: 50.4/52

All: -134.194+/-242.901 χ^2/NDF: 208.1/107

- sign -2586.177+/-343.944 χ^2/NDF: 56.3/54

asym_usr_atr1_avg_rms vs Slug



Right In: 2162.601+/-0.385 χ^2/NDF: 1419748.3/27

Left Out: 1941.583+/-0.313 χ^2/NDF:139011.4/24

Right Out: 2179.440+/-0.375 χ^2/NDF: 1352613.7/31

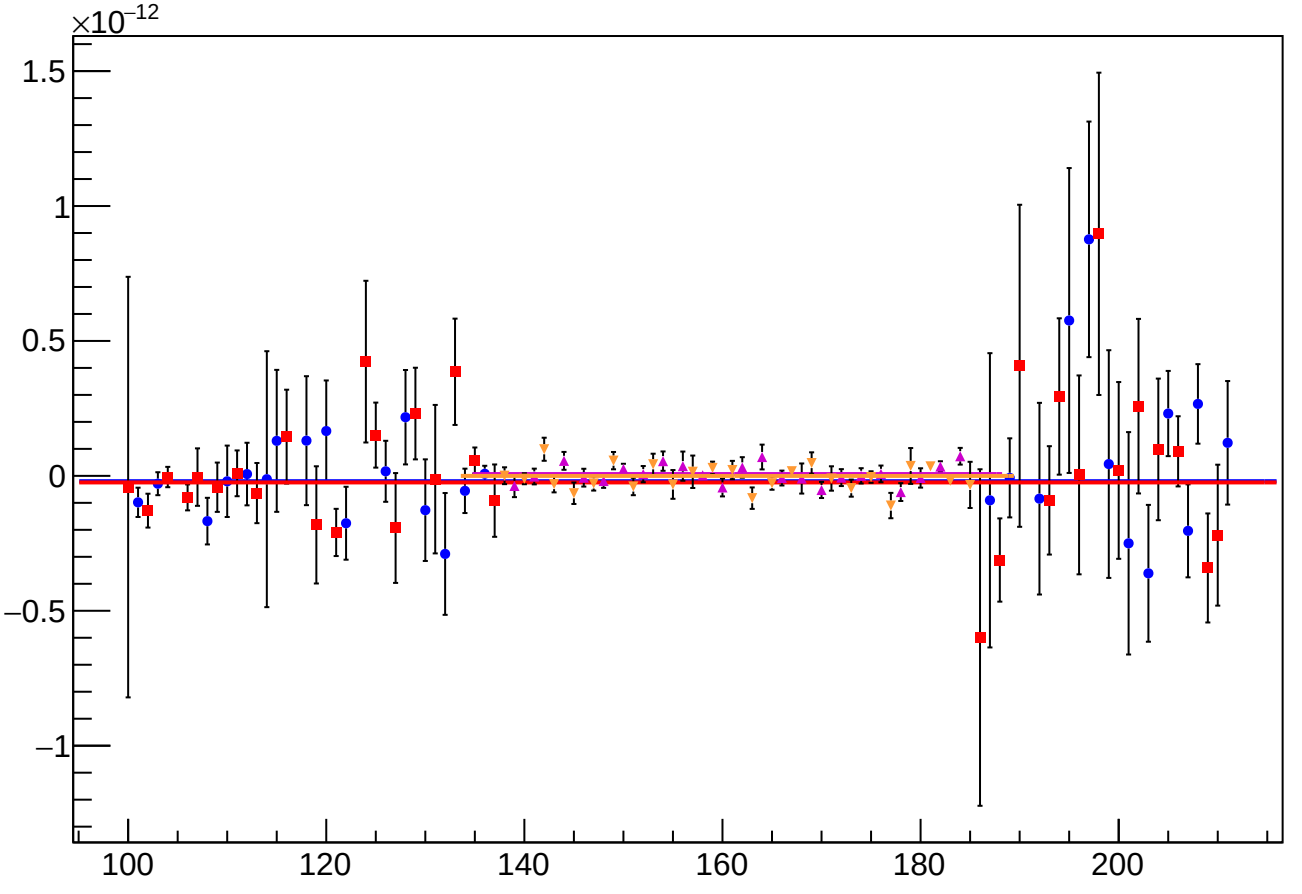
Left In: 1931.812+/-0.320 χ^2/NDF:159877.0/22

+ sign 2029.564+/-0.243 χ^2/NDF: 1757636.3/52

All: 2032.893+/-0.172 χ^2/NDF: 3523326.1/10

- sign 2036.239+/-0.243 χ^2/NDF: 1765312.3/54

asym_usr_atr1_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 28.3/27

Left Out: -0.000+/-0.000 χ^2/NDF:40.3/24

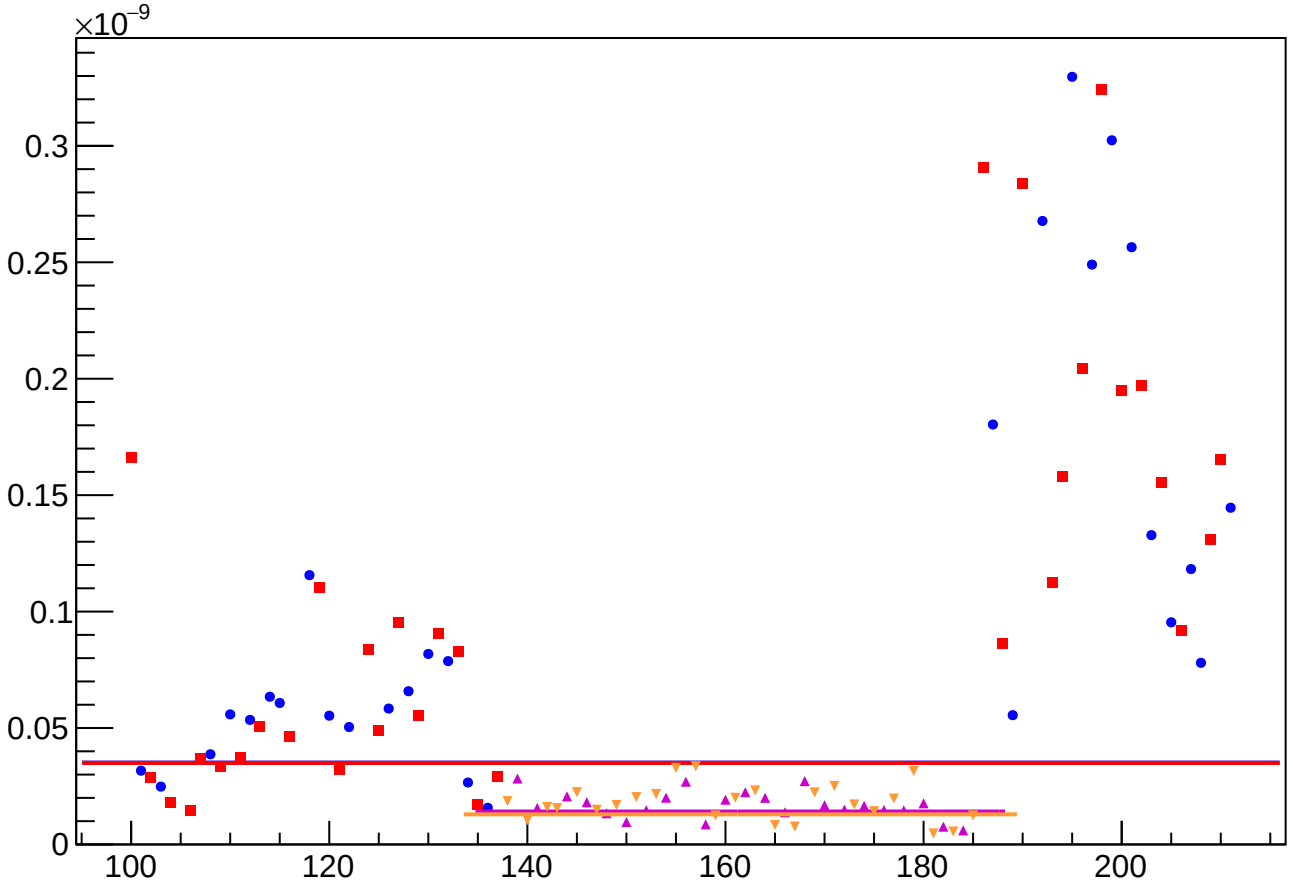
Right Out: -0.000+/-0.000 χ^2/NDF: 38.8/31

Left In: 0.000+/-0.000 χ^2/NDF:27.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 69.6/52

All: 0.000+/-0.000 χ^2/NDF: 138.9/107

- sign 0.000+/-0.000 χ^2/NDF: 68.8/54



Right In: 0.000+/-0.000 χ^2/NDF: 6874194.0/27

Left Out: 0.000+/-0.000 χ^2/NDF:2826186.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7081143.0/31

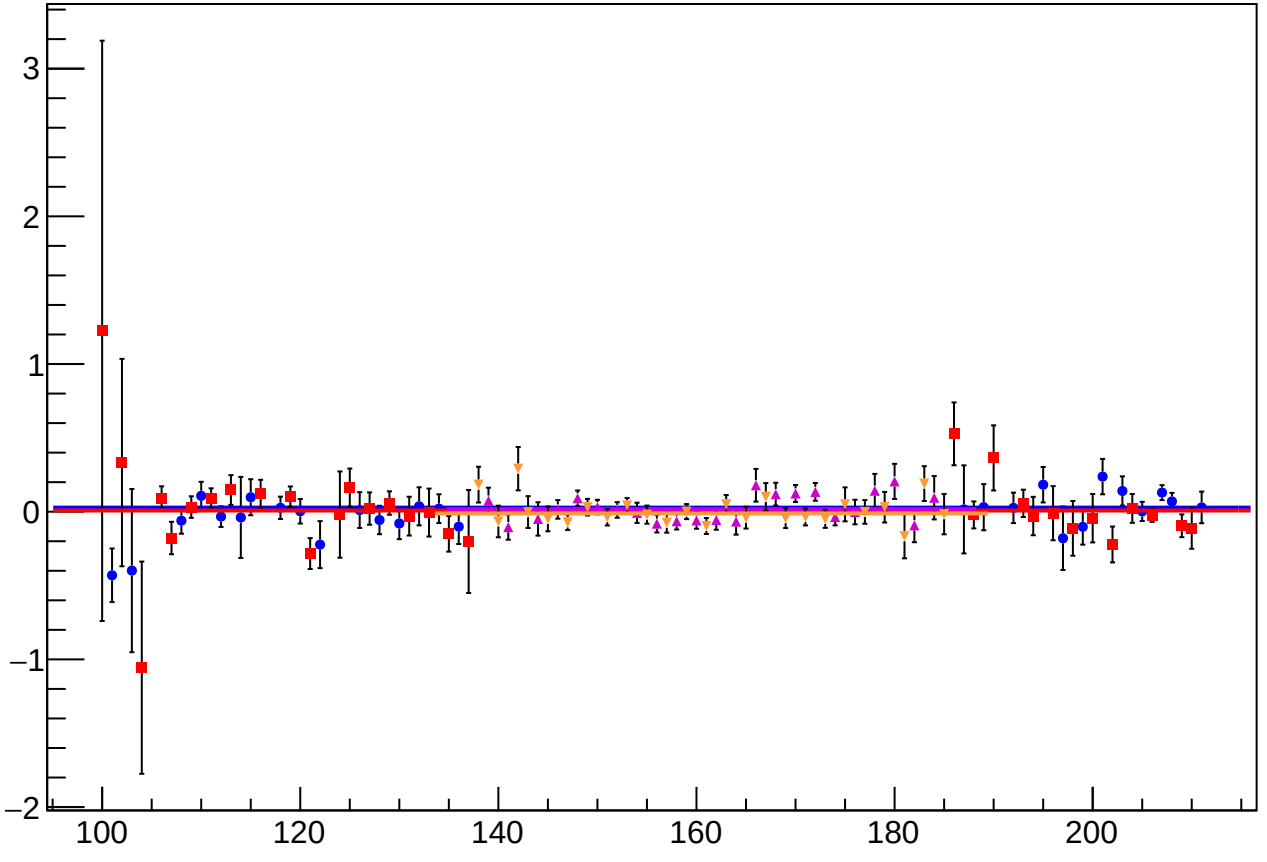
Left In: 0.000+/-0.000 χ^2/NDF:1522273.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 12365024.9/52

All: 0.000+/-0.000 χ^2/NDF: 23299981.6/107

- sign 0.000+/-0.000 χ^2/NDF: 10880348.3/54

asym_usr_atr1_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.028+/-0.019 χ^2/NDF: 28.3/27

Left Out: -0.012+/-0.014 χ^2/NDF:21.8/24

Right Out: 0.008+/-0.018 χ^2/NDF: 41.7/31

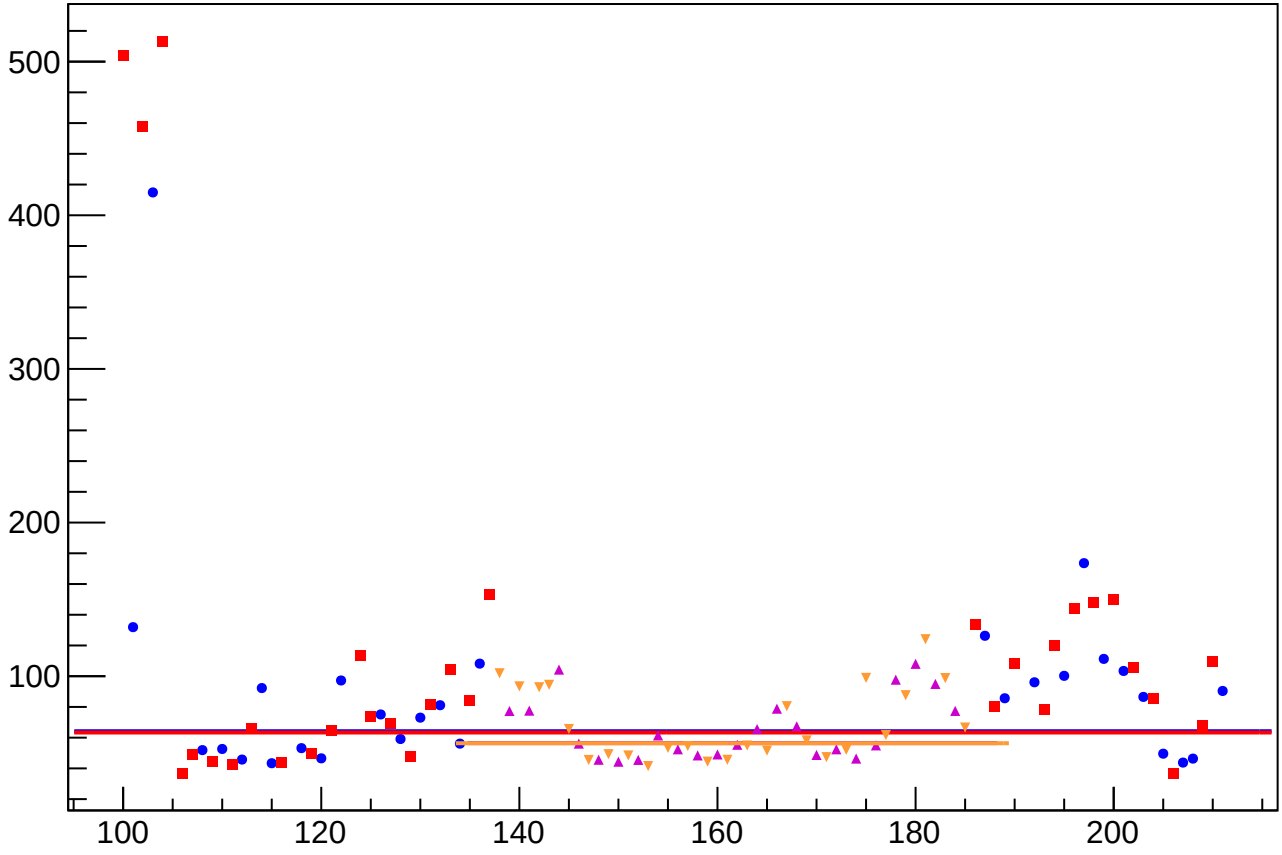
Left In: 0.017+/-0.014 χ^2/NDF:30.6/22

+ sign 0.003+/-0.011 χ^2/NDF: 52.9/52

All: 0.008+/-0.008 χ^2/NDF: 125.8/107

- sign 0.014+/-0.011 χ^2/NDF: 72.5/54

asym_usr_atr1_avg_dit_vs_cor_diff_rms vs Slug



Right In: 64.185+/-0.013 χ^2/NDF: 4323480.6/27

Left Out: 56.374+/-0.010 χ^2/NDF:2797305.0/24

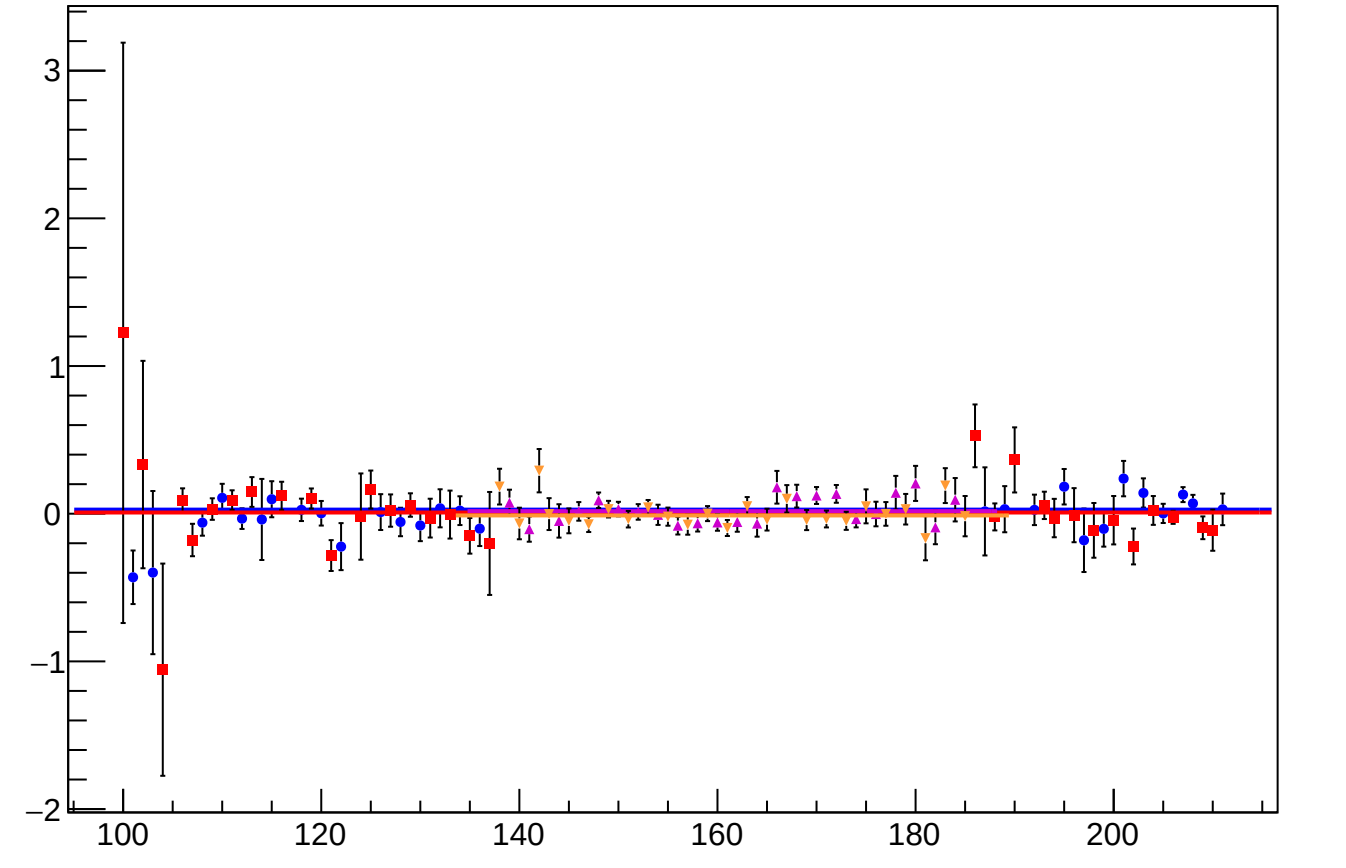
Right Out: 63.365+/-0.013 χ^2/NDF: 6242655.5/31

Left In: 56.467+/-0.010 χ^2/NDF:2140078.8/22

+ sign 59.291+/-0.008 χ^2/NDF: 7343144.8/52

All: 59.209+/-0.006 χ^2/NDF: 15900972.8/107

- sign 59.127+/-0.008 χ^2/NDF: 8557620.1/54



Right In: 0.028+/-0.019 χ^2/NDF: 28.3/27

Left Out: -0.012+/-0.014 χ^2/NDF:21.8/24

Right Out: 0.008+/-0.018 χ^2/NDF: 41.7/31

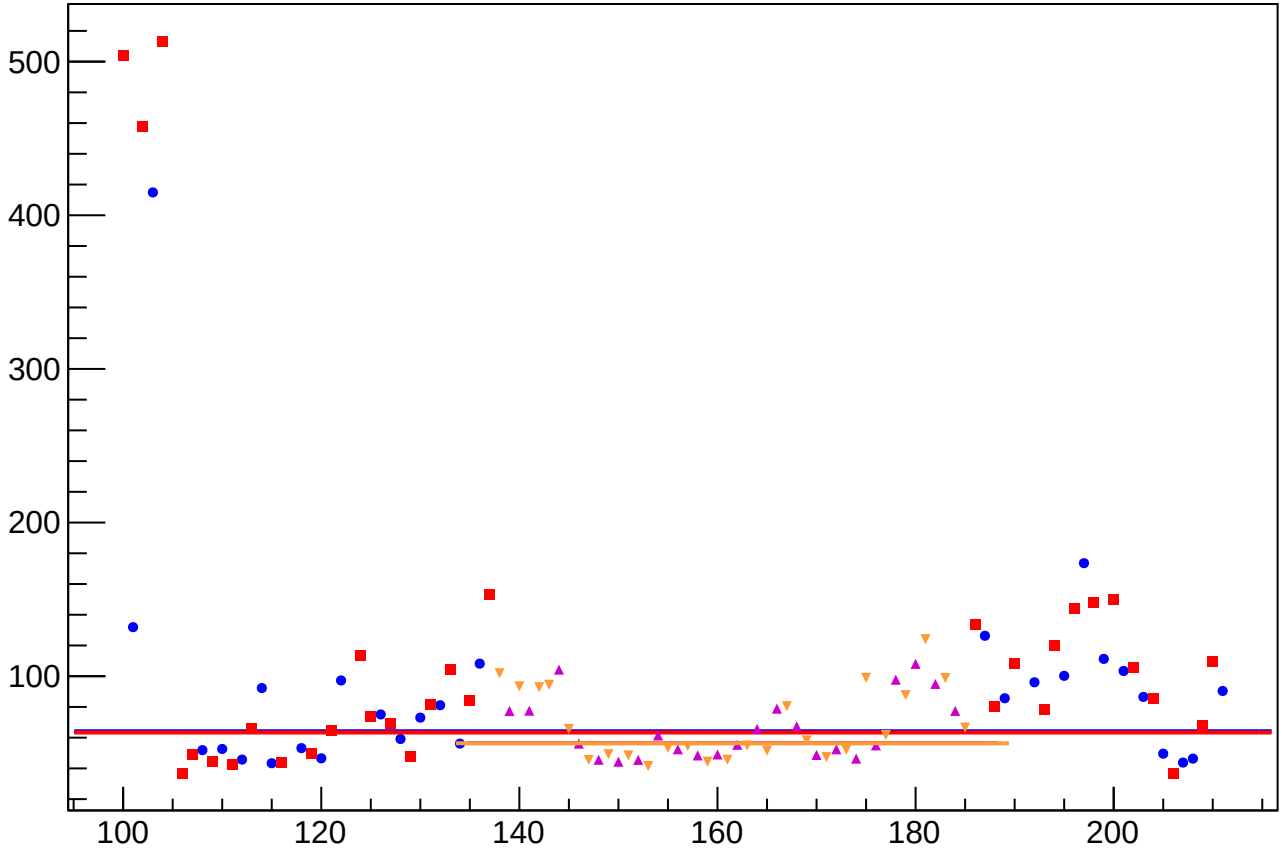
Left In: 0.017+/-0.014 χ^2/NDF:30.6/22

+ sign 0.003+/-0.011 χ^2/NDF: 52.9/52

All: 0.008+/-0.008 χ^2/NDF: 125.8/107

- sign 0.014+/-0.011 χ^2/NDF: 72.5/54

asym_usr_atr1_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 64.185+/-0.013 χ^2/NDF: 4323480.6/27

Left Out: 56.374+/-0.010 χ^2/NDF:2797305.0/24

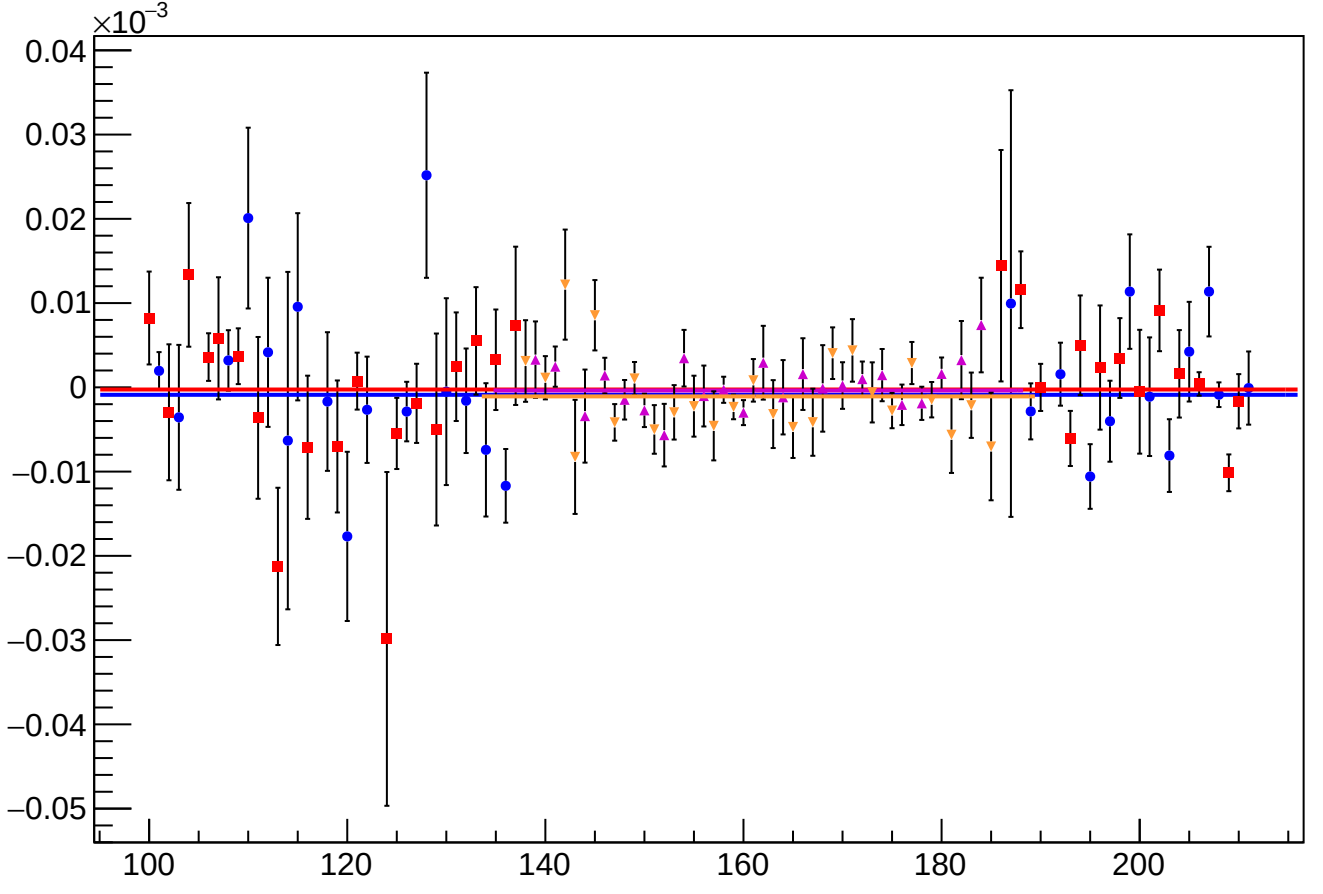
Right Out: 63.365+/-0.013 χ^2/NDF: 6242655.5/31

Left In: 56.467+/-0.010 χ^2/NDF:2140078.8/22

+ sign 59.291+/-0.008 χ^2/NDF: 7343144.8/52

All: 59.209+/-0.006 χ^2/NDF: 15900972.8/107

- sign 59.127+/-0.008 χ^2/NDF: 8557620.1/54



Right In: -0.000+/-0.000 χ^2/NDF: 42.6/27

Left Out: -0.000+/-0.000 χ^2/NDF:31.6/24

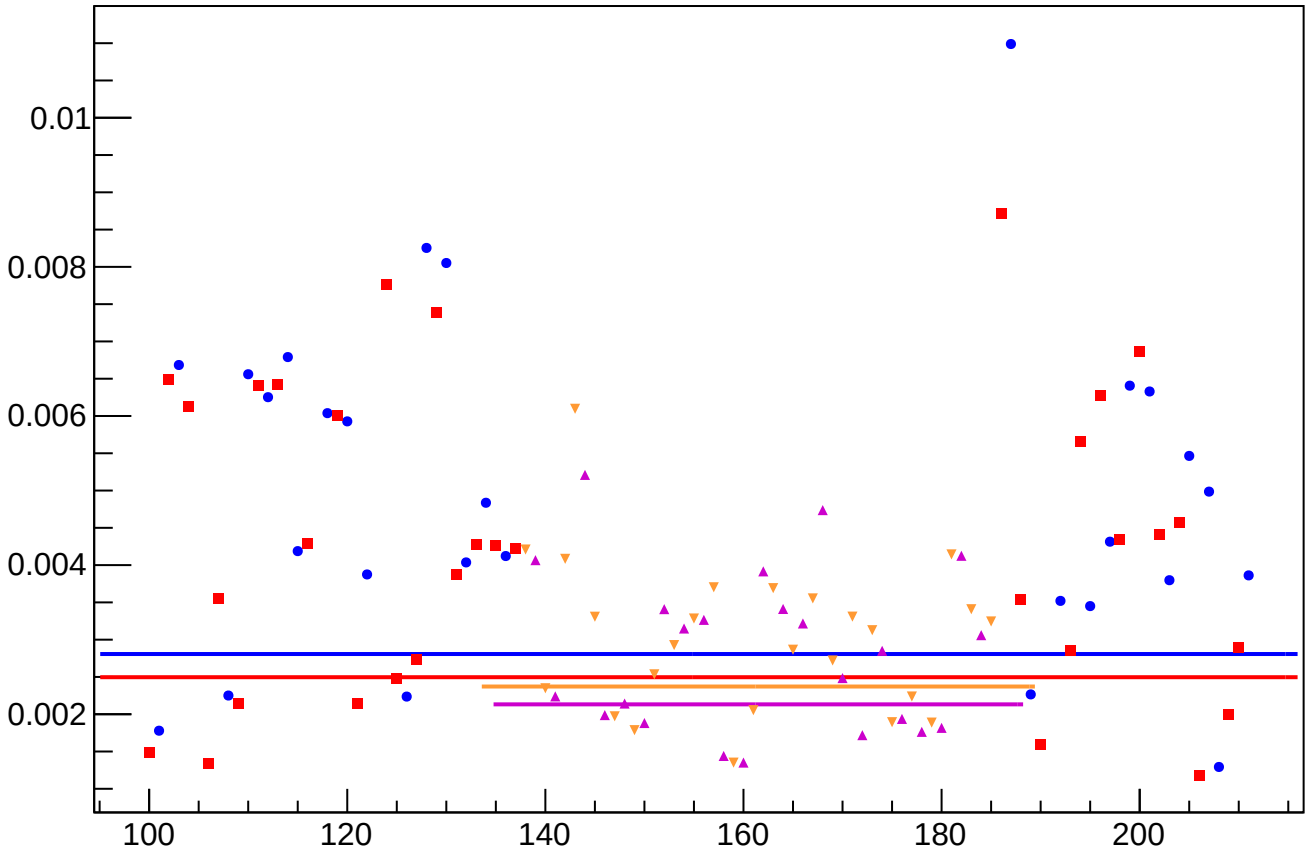
Right Out: -0.000+/-0.000 χ^2/NDF: 59.2/31

Left In: -0.000+/-0.000 χ^2/NDF:17.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 74.2/52

All: -0.000+/-0.000 χ^2/NDF: 152.0/107

- sign -0.000+/-0.000 χ^2/NDF: 76.7/54



Right In: 0.003+/-0.000 χ^2/NDF: 8138970.5/27

Left Out: 0.002+/-0.000 χ^2/NDF:4161142.1/24

Right Out: 0.002+/-0.000 χ^2/NDF: 8959398.2/31

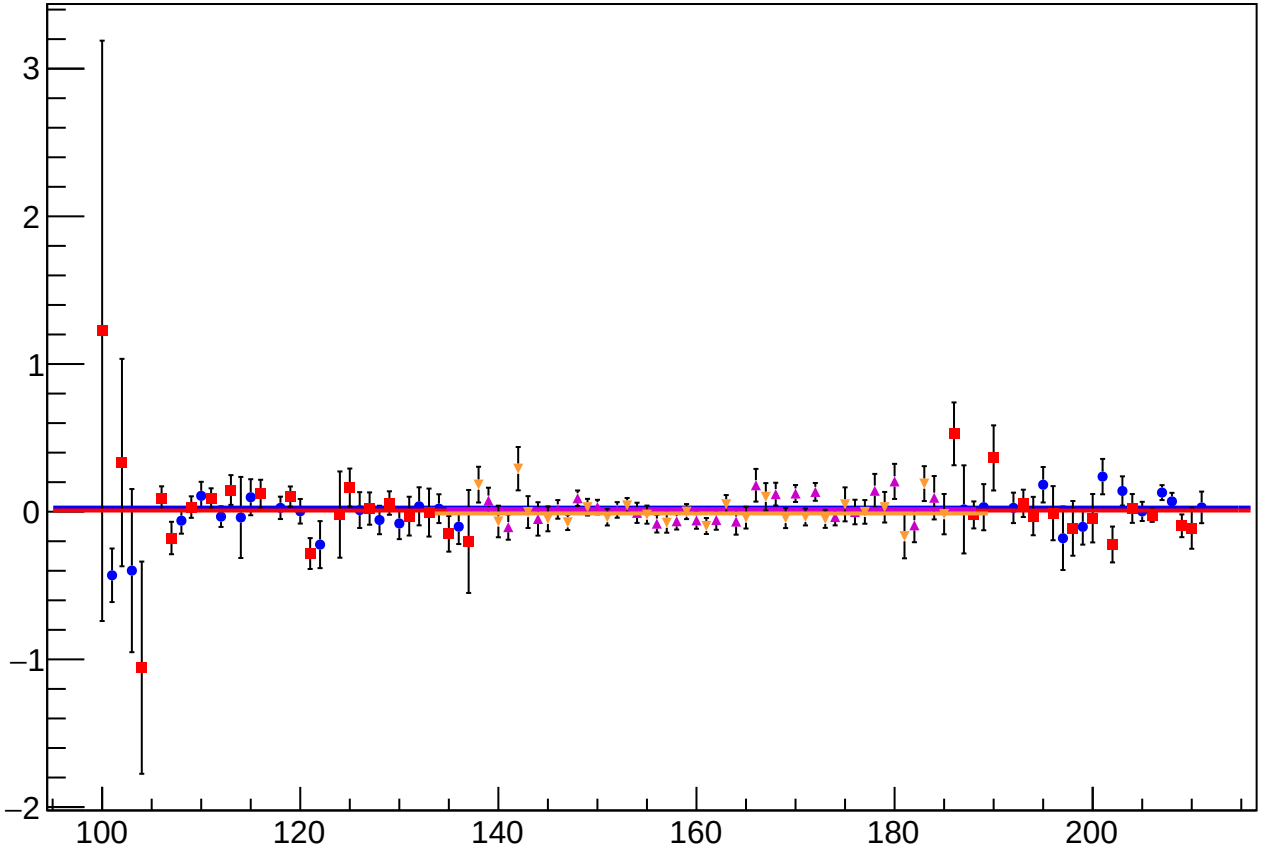
Left In: 0.002+/-0.000 χ^2/NDF:4521223.3/22

+ sign 0.003+/-0.000 χ^2/NDF: 12681271.0/52

All: 0.002+/-0.000 χ^2/NDF: 26812449.9/107

- sign 0.002+/-0.000 χ^2/NDF: 13808911.3/54

asym_usr_atr1_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.028+/-0.019 χ^2/NDF: 28.3/27

Left Out: -0.012+/-0.014 χ^2/NDF:21.8/24

Right Out: 0.008+/-0.018 χ^2/NDF: 41.7/31

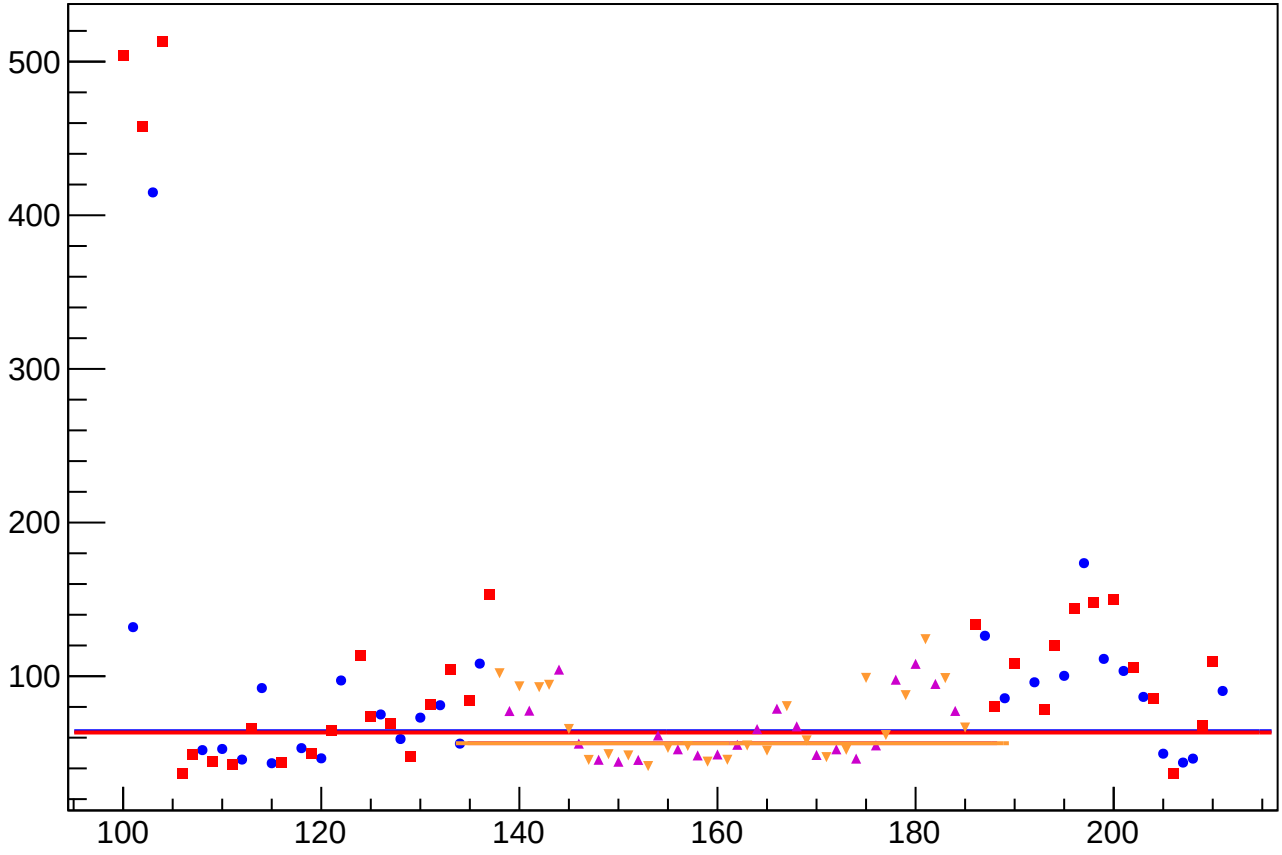
Left In: 0.017+/-0.014 χ^2/NDF:30.6/22

+ sign 0.003+/-0.011 χ^2/NDF: 52.9/52

All: 0.008+/-0.008 χ^2/NDF: 125.8/107

- sign 0.014+/-0.011 χ^2/NDF: 72.5/54

asym_usr_atr1_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 64.185+/-0.013 χ^2/NDF: 4323445.4/27

Left Out: 56.374+/-0.010 χ^2/NDF:2797380.0/24

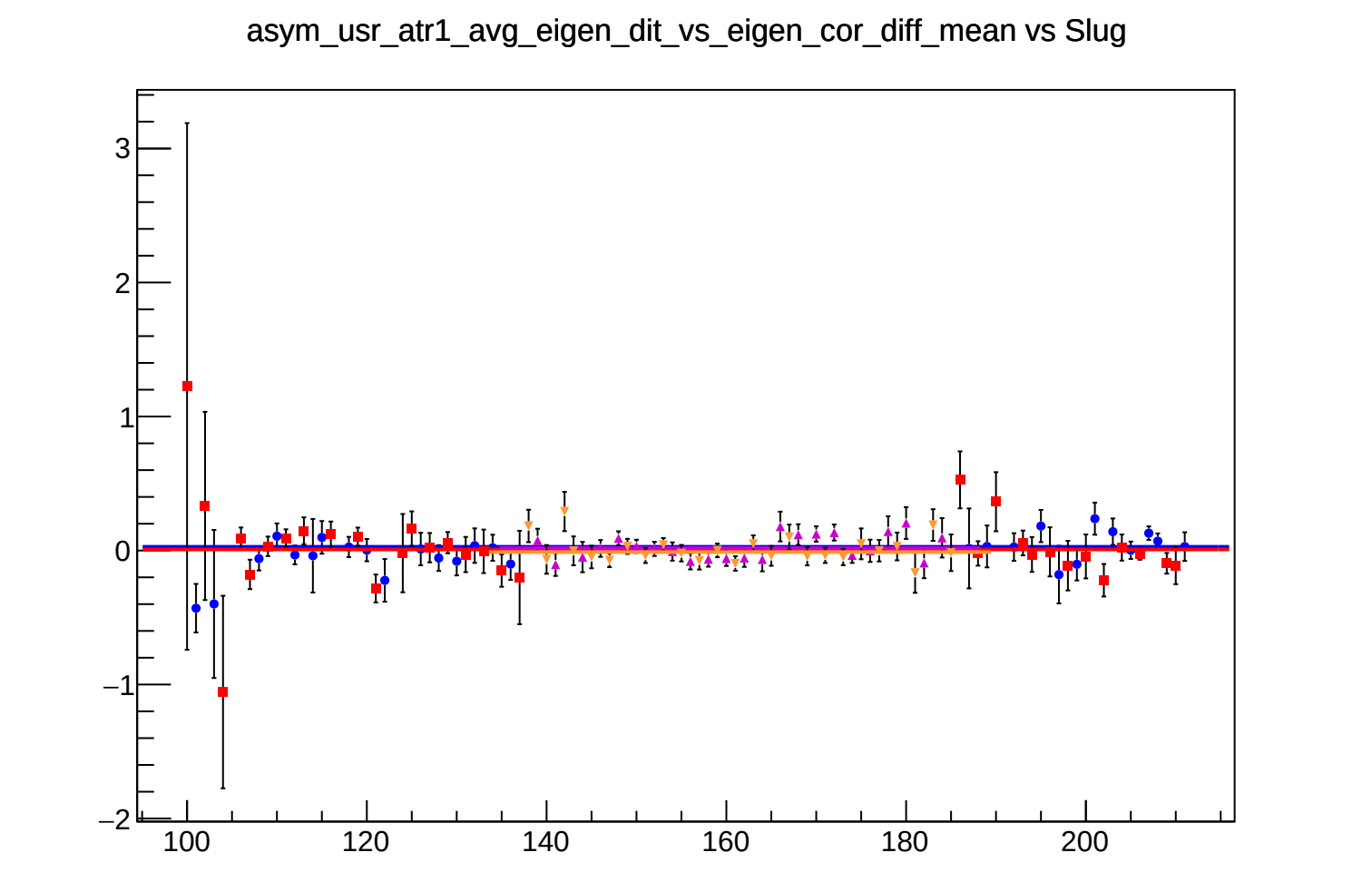
Right Out: 63.364+/-0.013 χ^2/NDF: 6242698.7/31

Left In: 56.467+/-0.010 χ^2/NDF:2140063.7/22

\+ sign 59.291+/-0.008 χ^2/NDF: 7343155.8/52

All: 59.209+/-0.006 χ^2/NDF: 15900978.3/107

\- sign 59.127+/-0.008 χ^2/NDF: 8557614.2/54



Right In: 0.028+/-0.019 χ^2/NDF: 28.3/27

Left Out: -0.012+/-0.014 χ^2/NDF:21.8/24

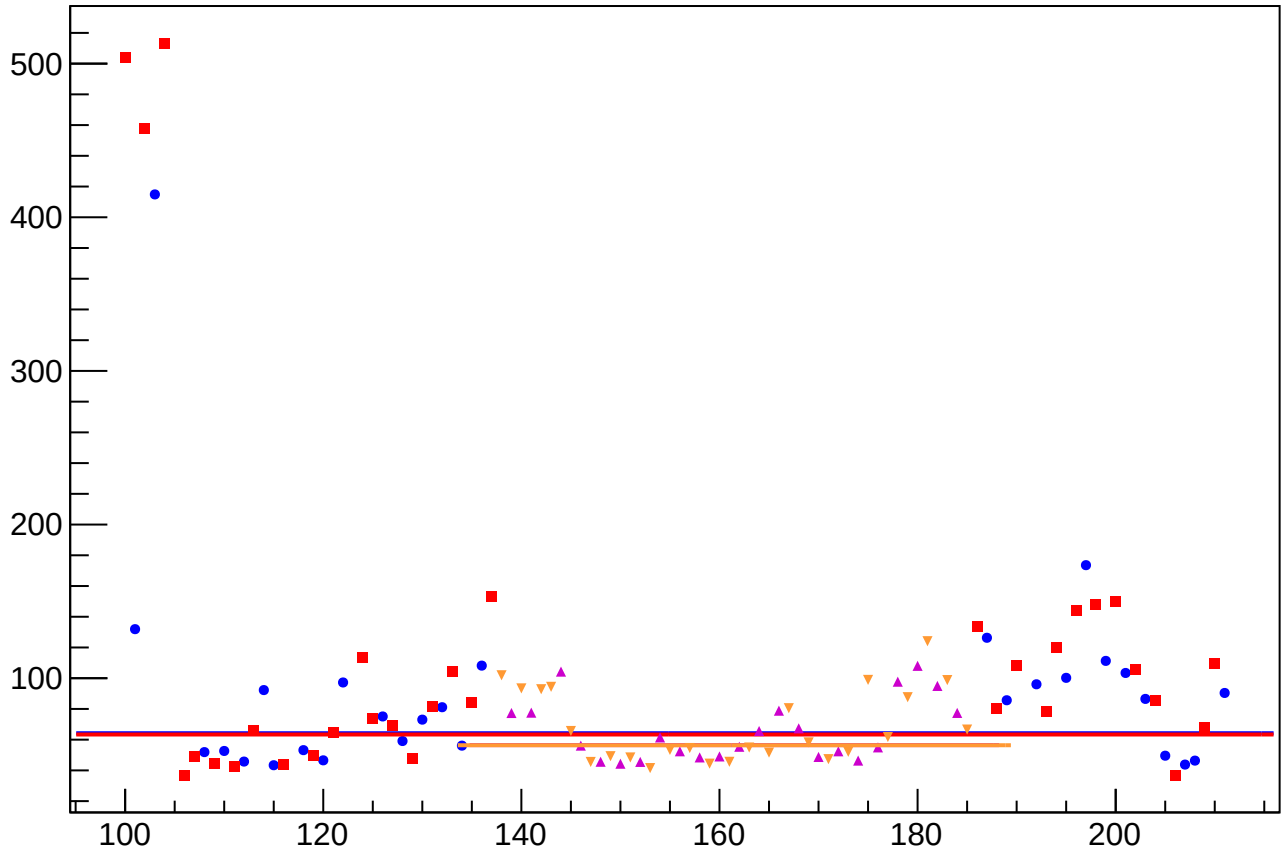
Right Out: 0.008+/-0.018 χ^2/NDF: 41.7/31

Left In: 0.017+/-0.014 χ^2/NDF:30.6/22

+ sign 0.003+/-0.011 χ^2/NDF: 52.9/52

All: 0.008+/-0.008 χ^2/NDF: 125.8/107

- sign 0.014+/-0.011 χ^2/NDF: 72.5/54



Right In: 64.185+/-0.013 χ^2/NDF: 4323445.4/27

Left Out: 56.374+/-0.010 χ^2/NDF:2797380.0/24

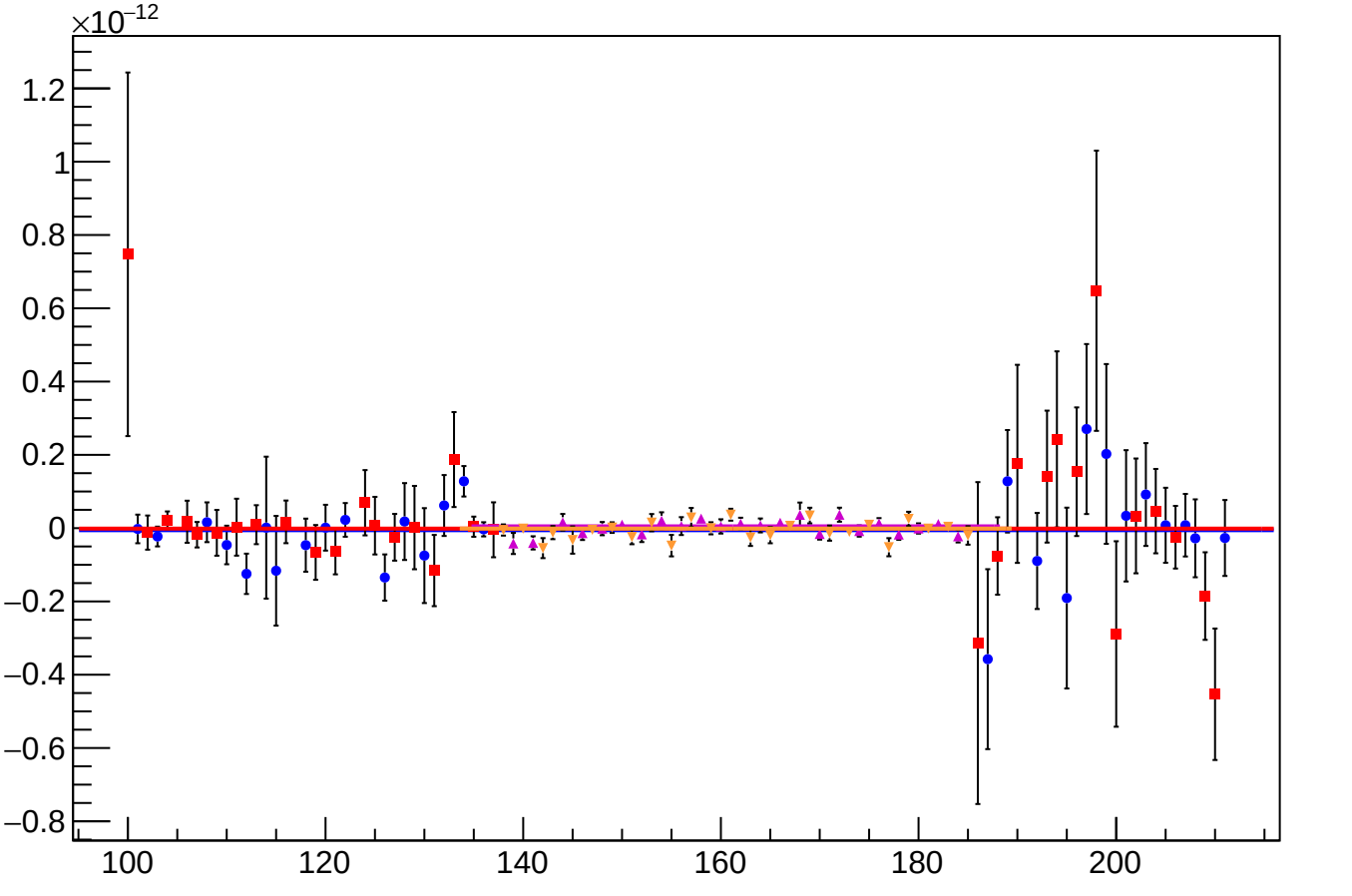
Right Out: 63.364+/-0.013 χ^2/NDF: 6242698.7/31

Left In: 56.467+/-0.010 χ^2/NDF:2140063.7/22

+ sign 59.291+/-0.008 χ^2/NDF: 7343155.8/52

All: 59.209+/-0.006 χ^2/NDF: 15900978.3/107

- sign 59.127+/-0.008 χ^2/NDF: 8557614.2/54



Right In: -0.000+/-0.000 χ^2/NDF: 29.3/27

Left Out: -0.000+/-0.000 χ^2/NDF:29.6/24

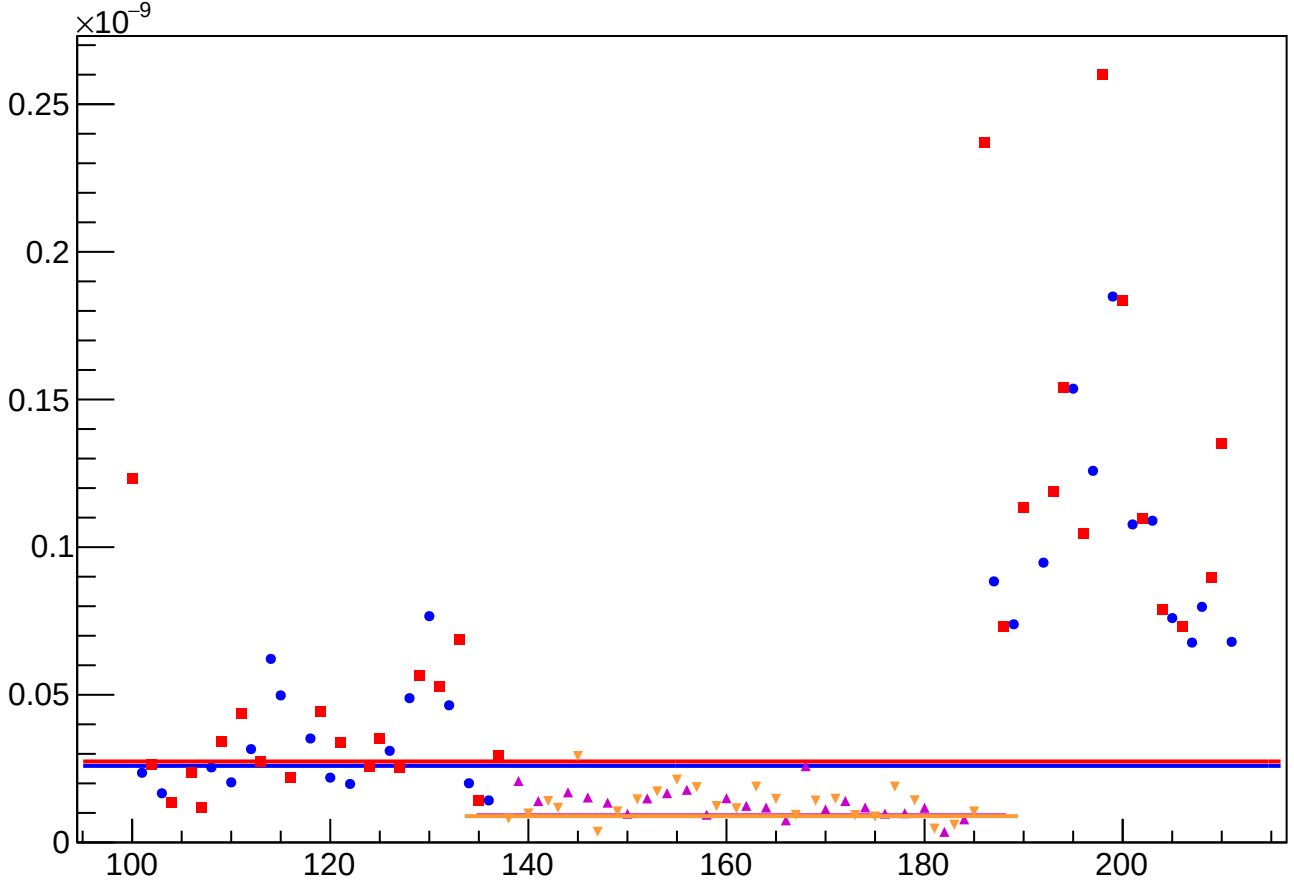
Right Out: -0.000+/-0.000 χ^2/NDF: 26.8/31

Left In: 0.000+/-0.000 χ^2/NDF:28.4/22

+ sign -0.000+/-0.000 χ^2/NDF: 59.1/52

All: 0.000+/-0.000 χ^2/NDF: 116.8/107

- sign 0.000+/-0.000 χ^2/NDF: 55.5/54



Right In: 0.000+/-0.000 χ^2/NDF: 7371857.0/27

Left Out: 0.000+/-0.000 χ^2/NDF:5051836.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9124025.9/31

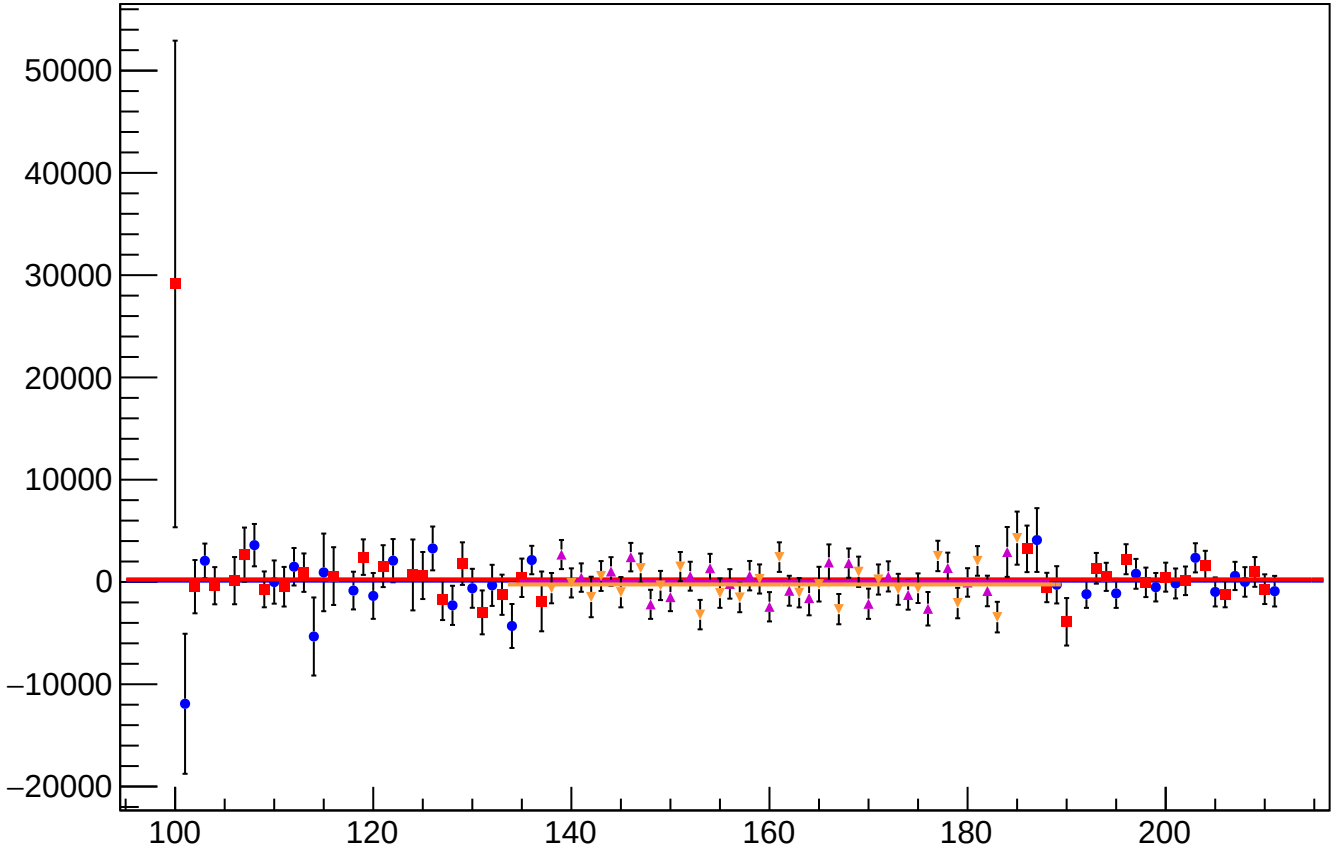
Left In: 0.000+/-0.000 χ^2/NDF:5079391.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 17031669.2/52

All: 0.000+/-0.000 χ^2/NDF: 35999114.7/107

- sign 0.000+/-0.000 χ^2/NDF: 18956945.9/54

reg_asym_usr_atr1_dd_mean vs Slug



Right In: 130.009+/-331.942 χ^2/NDF: 29.3/27

Left Out: -240.873+/-300.008 χ^2/NDF:31.7/24

Right Out: 255.802+/-319.429 χ^2/NDF: 20.5/31

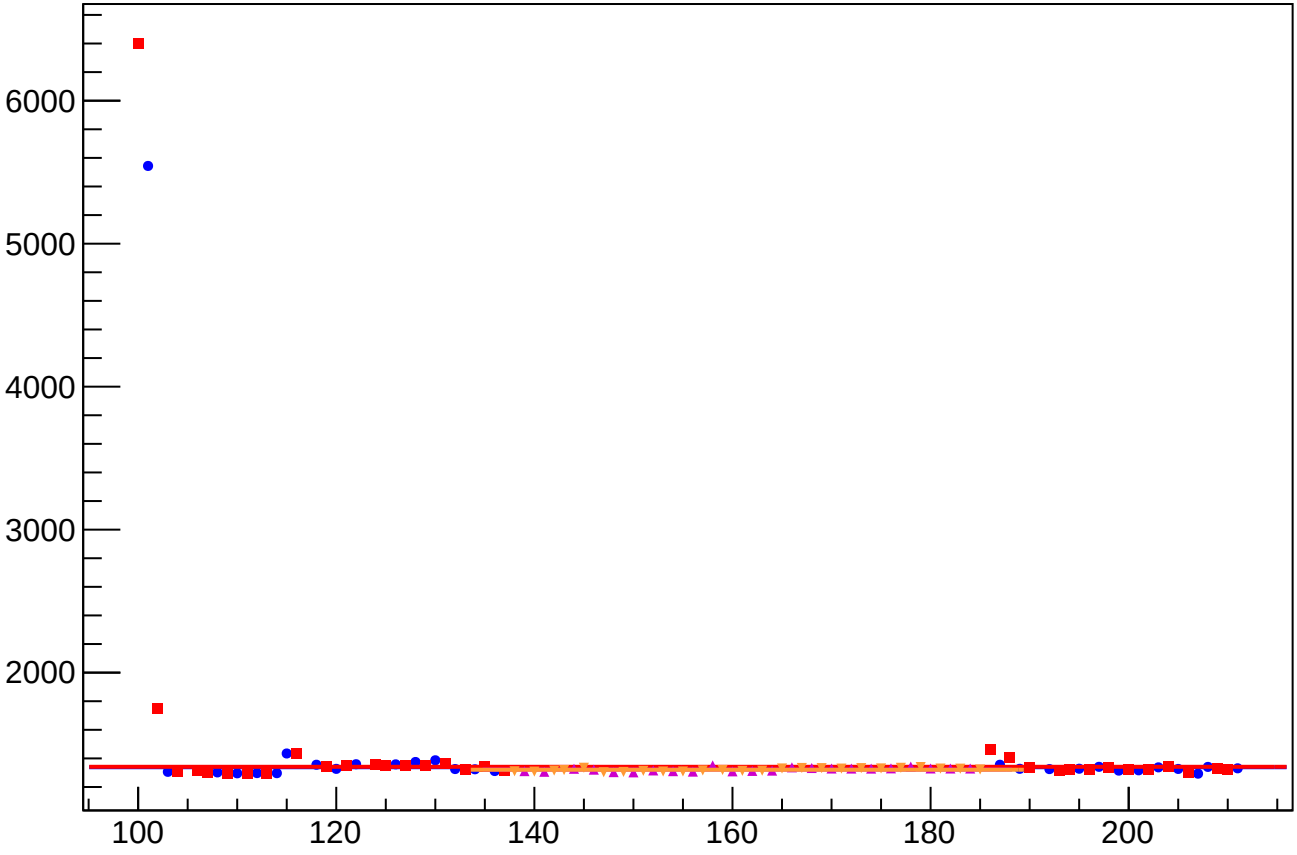
Left In: 39.122+/-308.622 χ^2/NDF:27.1/22

+ sign -74.127+/-222.573 χ^2/NDF: 61.7/52

All: 35.109+/-157.163 χ^2/NDF: 110.0/107

- sign 143.735+/-221.951 χ^2/NDF: 47.8/54

reg_asym_usr_atr1_dd_rms vs Slug



Right In: 1338.340+/-0.235 χ^2/NDF: 766473.6/27

Left Out: 1320.740+/-0.212 χ^2/NDF:2602.3/24

Right Out: 1341.339+/-0.226 χ^2/NDF: 161938.5/31

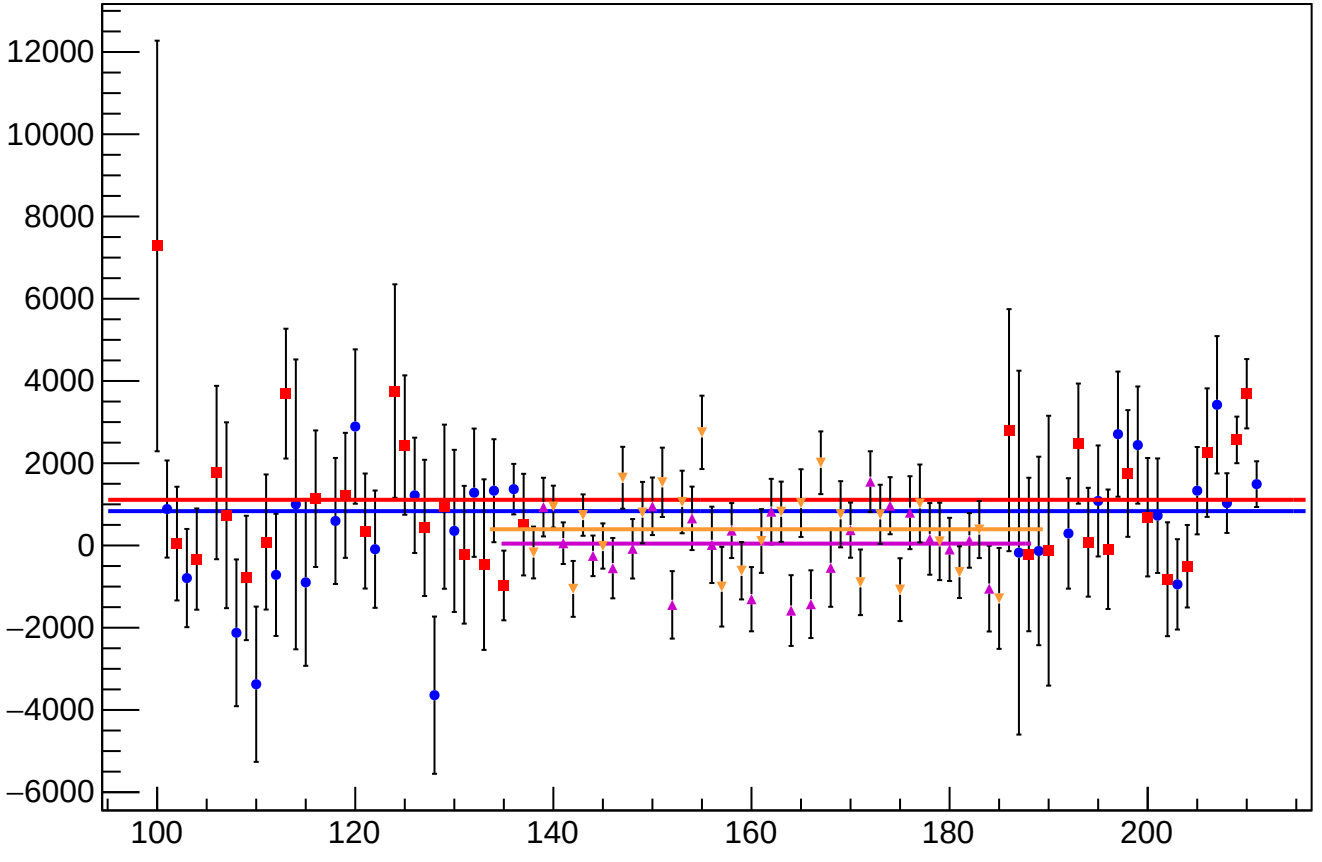
Left In: 1321.782+/-0.218 χ^2/NDF:3553.3/22

+ sign 1328.653+/-0.157 χ^2/NDF: 772170.3/52

All: 1329.942+/-0.111 χ^2/NDF: 941673.0/107

- sign 1331.224+/-0.157 χ^2/NDF: 169368.8/54

asym_usr_atr1_dd_reg_correction_mean vs Slug



Right In: 834.765+/-231.136 χ^2/NDF: 29.6/27

Left Out: 394.550+/-144.562 χ^2/NDF:41.8/24

Right Out: 1110.560+/-240.652 χ^2/NDF: 42.3/31

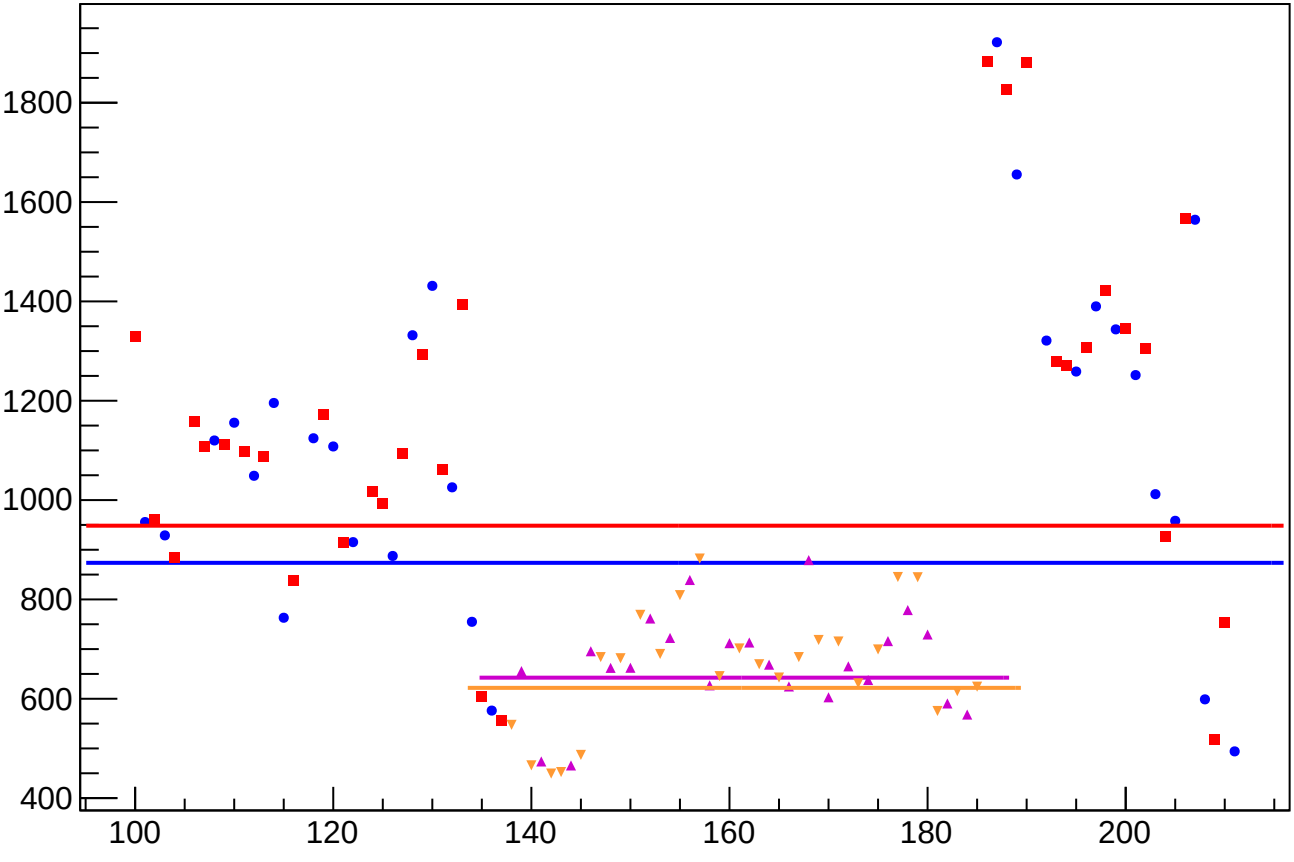
Left In: 44.777+/-152.333 χ^2/NDF:27.6/22

+ sign 518.331+/-122.564 χ^2/NDF: 74.0/52

All: 438.121+/-88.760 χ^2/NDF: 158.9/107

- sign 349.661+/-128.713 χ^2/NDF: 83.9/54

asym_usr_atr1_dd_reg_correction_rms vs Slug



Right In: 873.677+/-0.163 χ^2/NDF: 3944830.4/27

Left Out: 621.950+/-0.102 χ^2/NDF:1383473.2/24

Right Out: 948.440+/-0.170 χ^2/NDF: 4063440.1/31

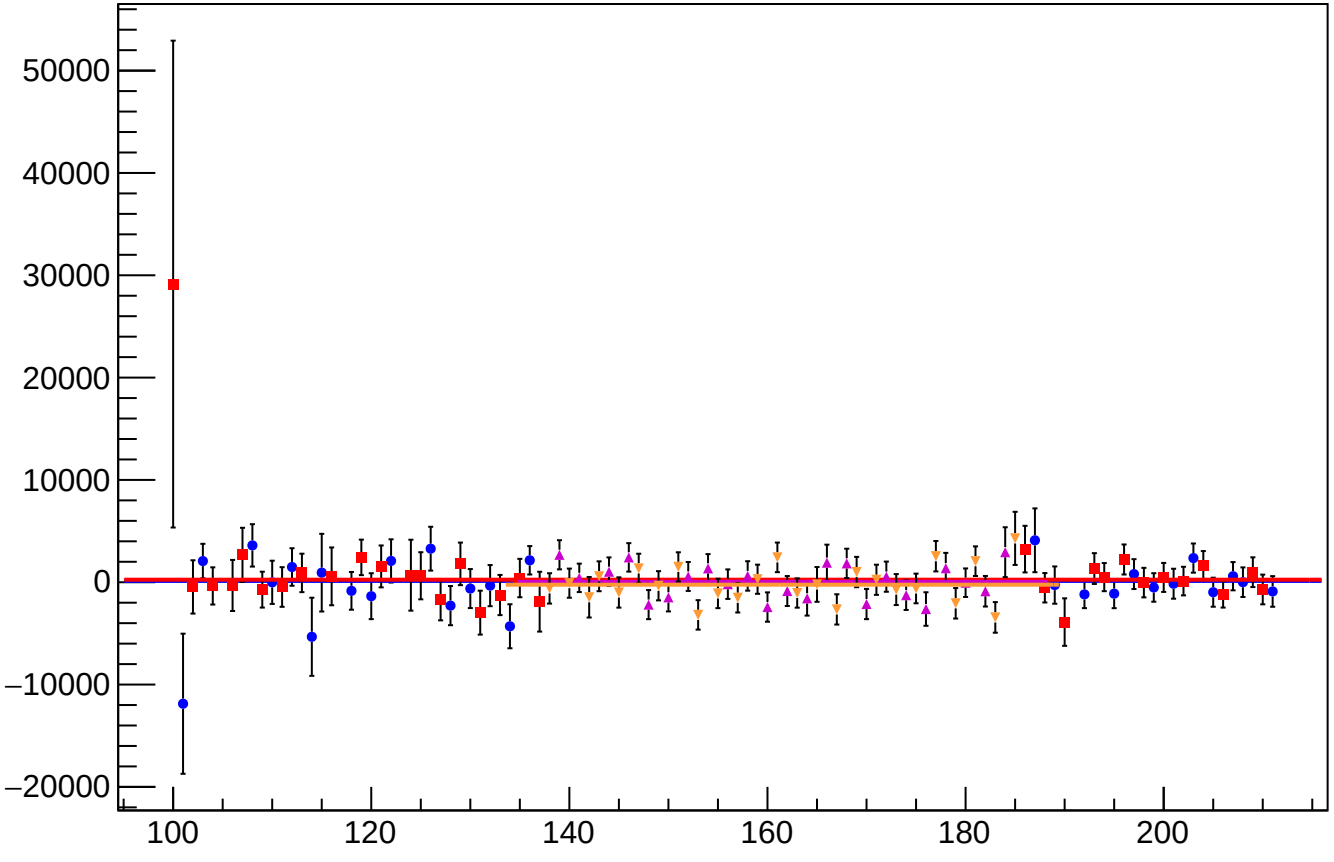
Left In: 642.470+/-0.108 χ^2/NDF:926330.5/22

+ sign 692.732+/-0.087 χ^2/NDF: 7033494.7/52

All: 710.453+/-0.063 χ^2/NDF: 14419353.5/10

- sign 729.998+/-0.091 χ^2/NDF: 7297933.0/54

cor_asym_usr_atr1_dd_mean vs Slug



Right In: 130.117+/-331.942 χ^2/NDF: 29.2/27

Left Out: -240.875+/-300.008 χ^2/NDF:31.7/24

Right Out: 249.004+/-319.871 χ^2/NDF: 20.5/31

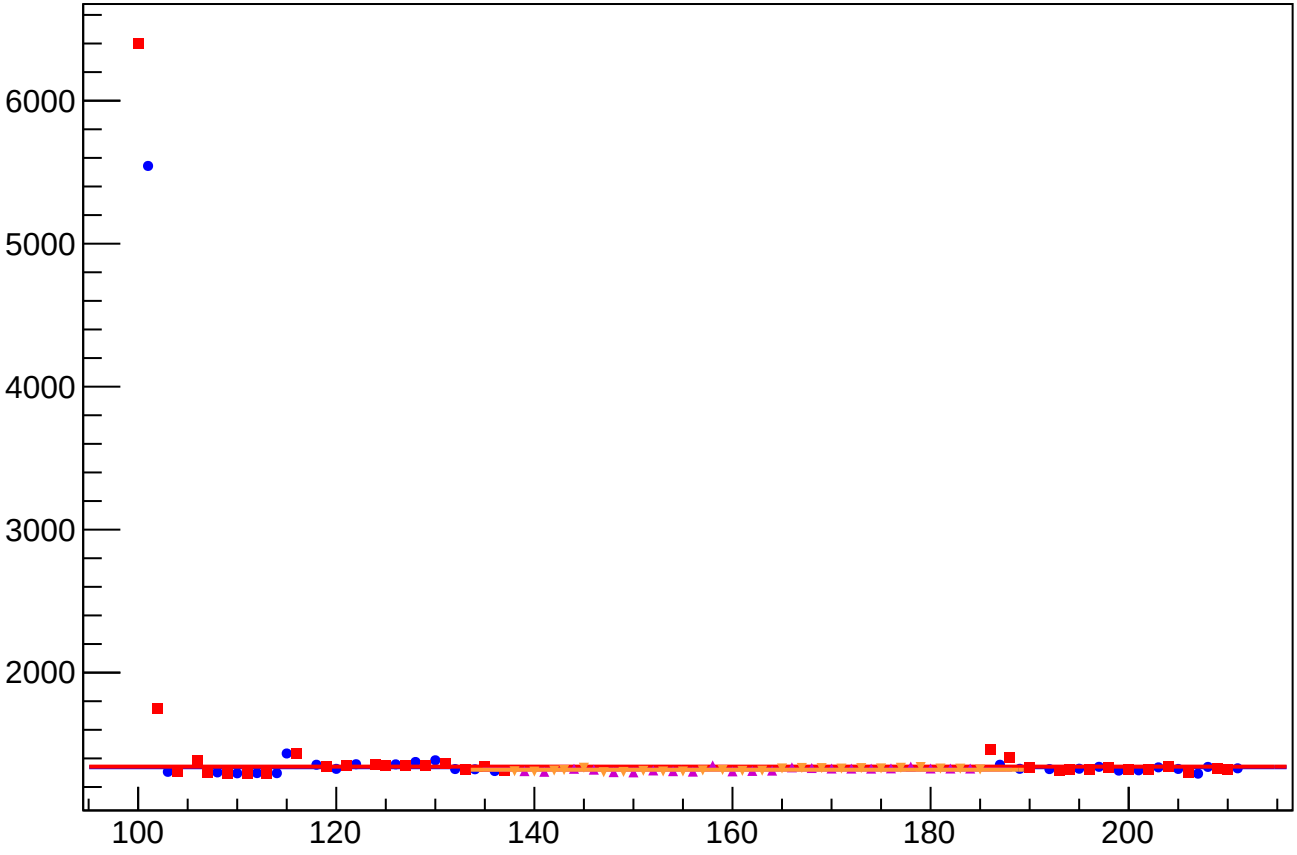
Left In: 39.193+/-308.622 χ^2/NDF:27.1/22

+ sign -74.079+/-222.573 χ^2/NDF: 61.7/52

All: 33.361+/-157.215 χ^2/NDF: 110.0/107

- sign 140.344+/-222.099 χ^2/NDF: 47.9/54

cor_asym_usr_atr1_dd_rms vs Slug



Right In: 1338.340+/-0.235 χ^2/NDF: 766472.6/27

Left Out: 1320.740+/-0.212 χ^2/NDF:2602.3/24

Right Out: 1342.576+/-0.226 χ^2/NDF: 162418.5/31

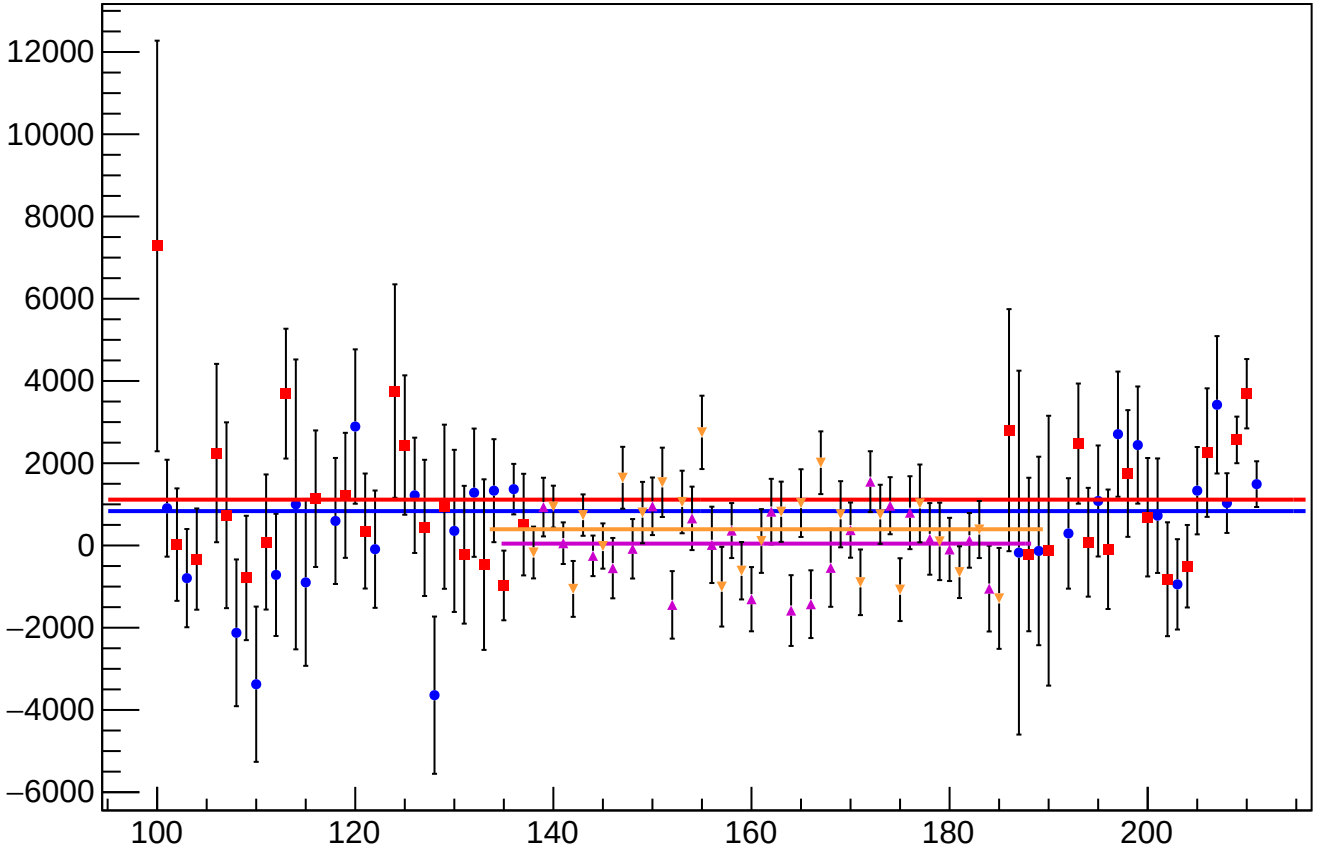
Left In: 1321.783+/-0.218 χ^2/NDF:3553.3/22

+ sign 1328.653+/-0.157 χ^2/NDF: 772169.4/52

All: 1330.233+/-0.111 χ^2/NDF: 942719.5/107

- sign 1331.807+/-0.157 χ^2/NDF: 170348.9/54

asym_usr_atr1_dd_cor_correction_mean vs Slug



Right In: 835.566+/-231.117 χ^2/NDF: 29.6/27

Left Out: 394.522+/-144.562 χ^2/NDF:41.8/24

Right Out: 1114.498+/-240.653 χ^2/NDF: 42.6/31

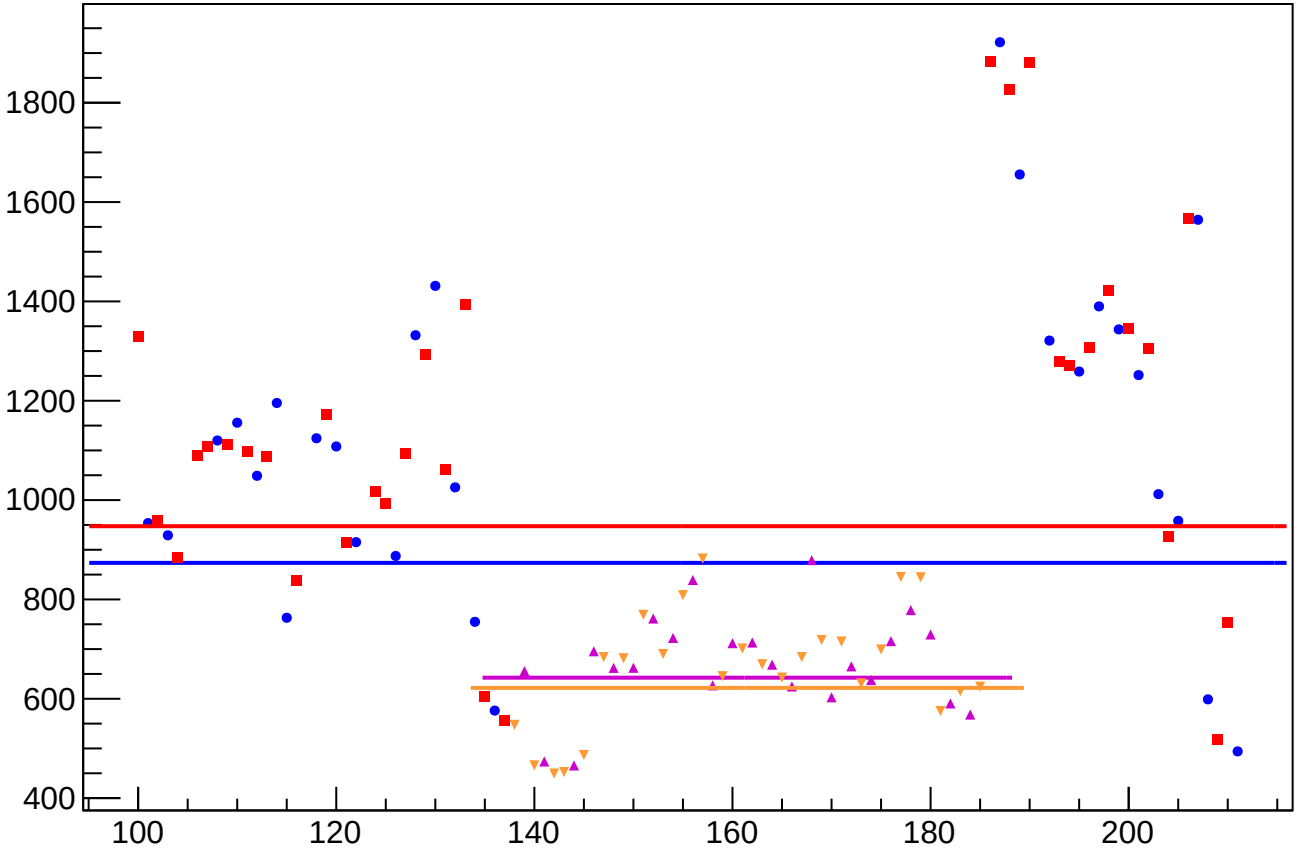
Left In: 44.766+/-152.332 χ^2/NDF:27.6/22

+ sign 518.551+/-122.561 χ^2/NDF: 74.1/52

All: 438.768+/-88.759 χ^2/NDF: 159.2/107

- sign 350.775+/-128.712 χ^2/NDF: 84.3/54

asym_usr_atr1_dd_cor_correction_rms vs Slug



Right In: 873.612+/-0.163 χ^2/NDF: 3944520.4/27

Left Out: 621.950+/-0.102 χ^2/NDF:1383373.4/24

Right Out: 947.416+/-0.170 χ^2/NDF: 4052327.3/31

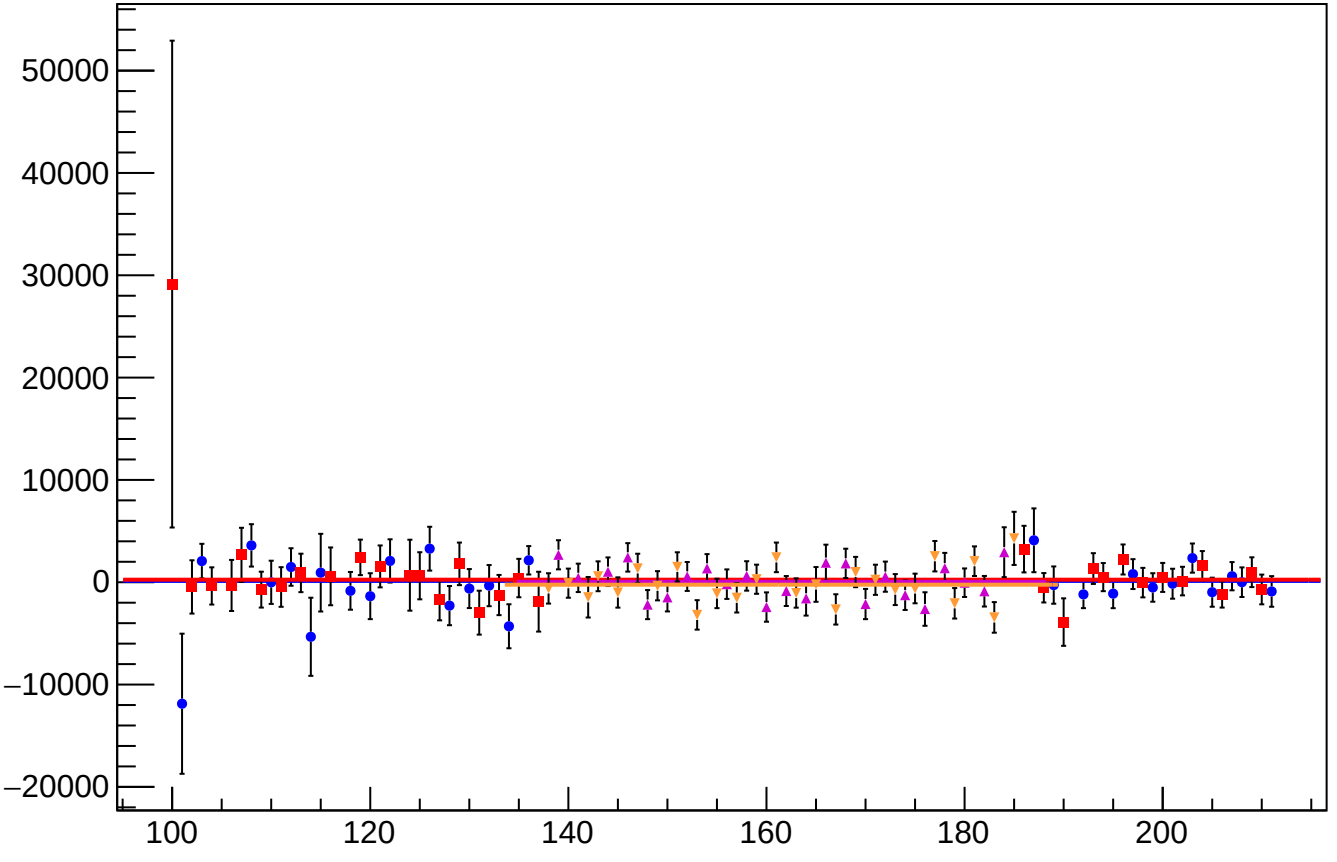
Left In: 642.465+/-0.108 χ^2/NDF:926376.1/22

+ sign 692.722+/-0.087 χ^2/NDF: 7032401.3/52

All: 710.306+/-0.063 χ^2/NDF: 14390486.8/10

- sign 729.700+/-0.091 χ^2/NDF: 7271509.5/54

eigen_cor_asym_usr_atr1_dd_mean vs Slug



Right In: 130.117+/-331.942 χ^2/NDF: 29.2/27

Left Out: -240.875+/-300.008 χ^2/NDF:31.7/24

Right Out: 249.004+/-319.871 χ^2/NDF: 20.5/31

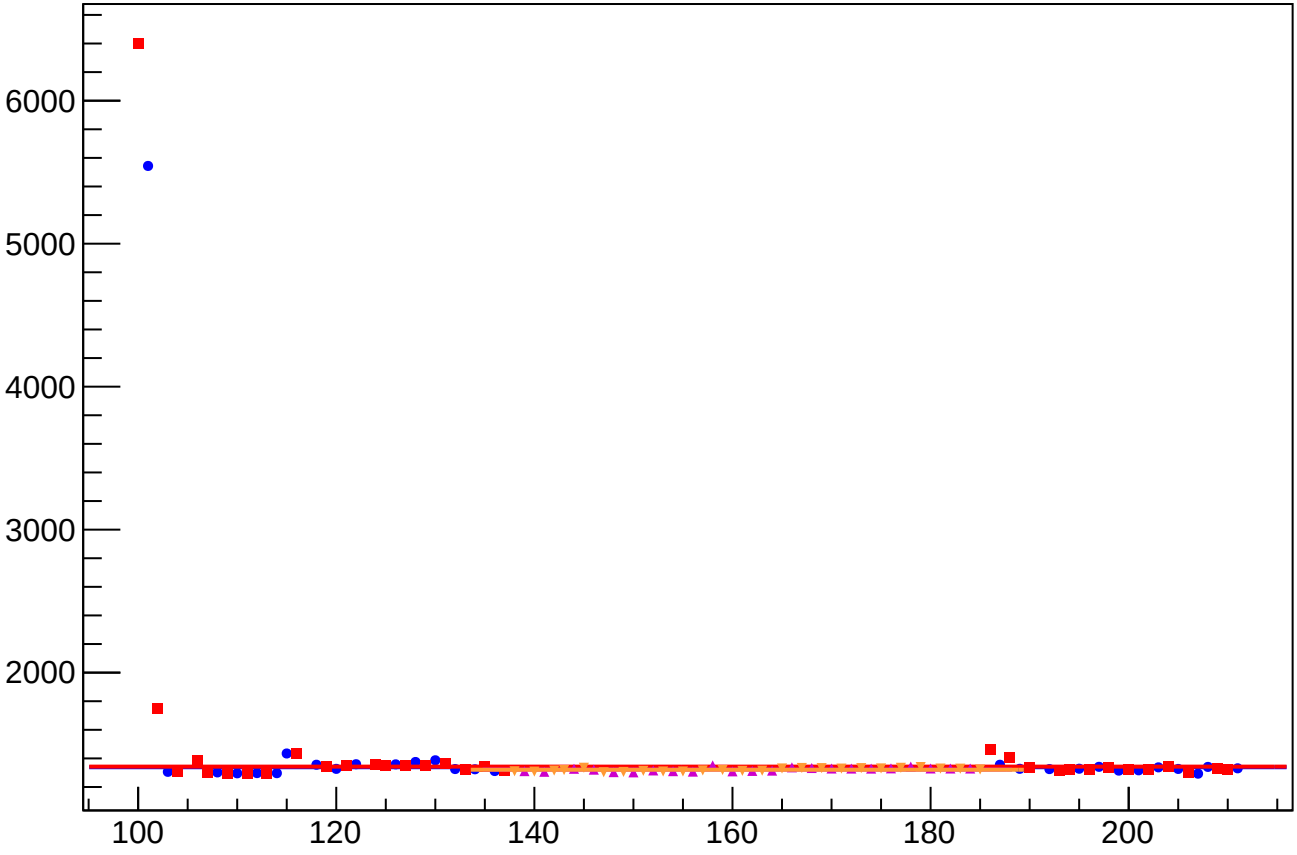
Left In: 39.193+/-308.622 χ^2/NDF:27.1/22

+ sign -74.079+/-222.573 χ^2/NDF: 61.7/52

All: 33.361+/-157.215 χ^2/NDF: 110.0/107

- sign 140.344+/-222.099 χ^2/NDF: 47.9/54

eigen_cor_asym_usr_atr1_dd_rms vs Slug



Right In: 1338.340+/-0.235 χ^2/NDF: 766472.6/27

Left Out: 1320.740+/-0.212 χ^2/NDF:2602.3/24

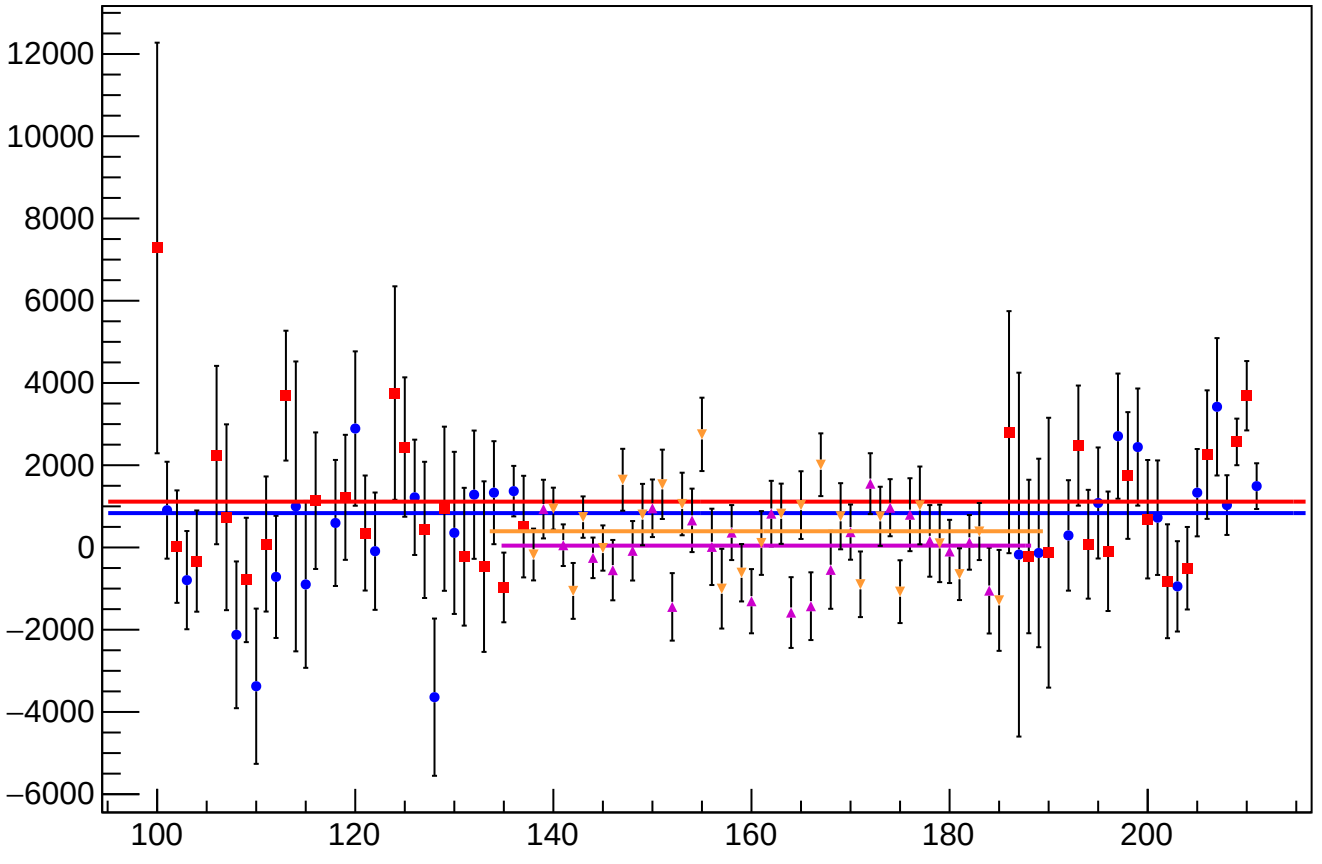
Right Out: 1342.576+/-0.226 χ^2/NDF: 162418.5/31

Left In: 1321.783+/-0.218 χ^2/NDF:3553.3/22

+ sign 1328.653+/-0.157 χ^2/NDF: 772169.4/52

All: 1330.233+/-0.111 χ^2/NDF: 942719.5/107

- sign 1331.807+/-0.157 χ^2/NDF: 170348.9/54



Right In: 835.566+/-231.117 χ^2/NDF: 29.6/27

Left Out: 394.522+/-144.562 χ^2/NDF:41.8/24

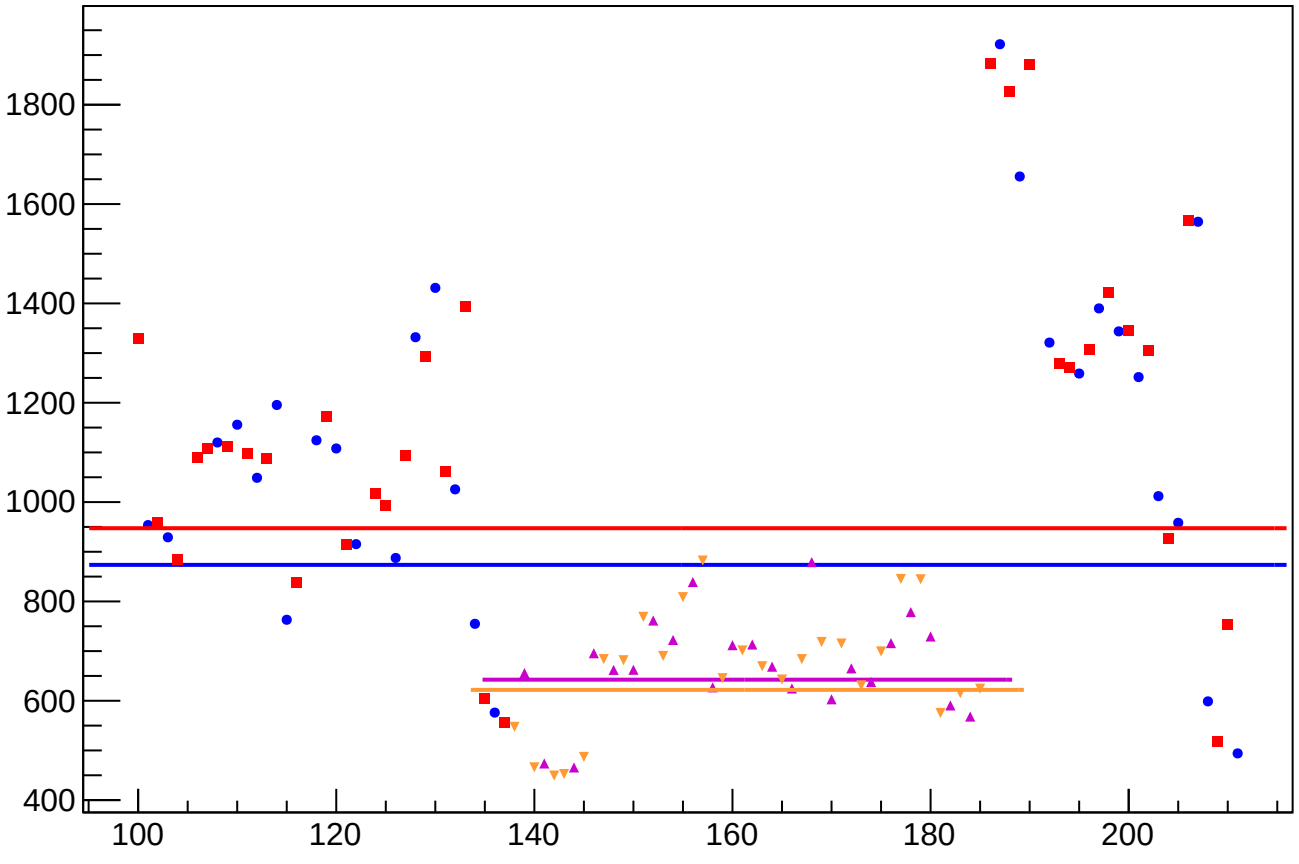
Right Out: 1114.498+/-240.653 χ^2/NDF: 42.6/31

Left In: 44.766+/-152.332 χ^2/NDF:27.6/22

+ sign 518.551+/-122.561 χ^2/NDF: 74.1/52

All: 438.768+/-88.759 χ^2/NDF: 159.2/107

- sign 350.775+/-128.712 χ^2/NDF: 84.3/54



Right In: 873.612+/-0.163 χ^2/NDF: 3944520.4/27

Left Out: 621.950+/-0.102 χ^2/NDF:1383373.4/24

Right Out: 947.416+/-0.170 χ^2/NDF: 4052327.3/31

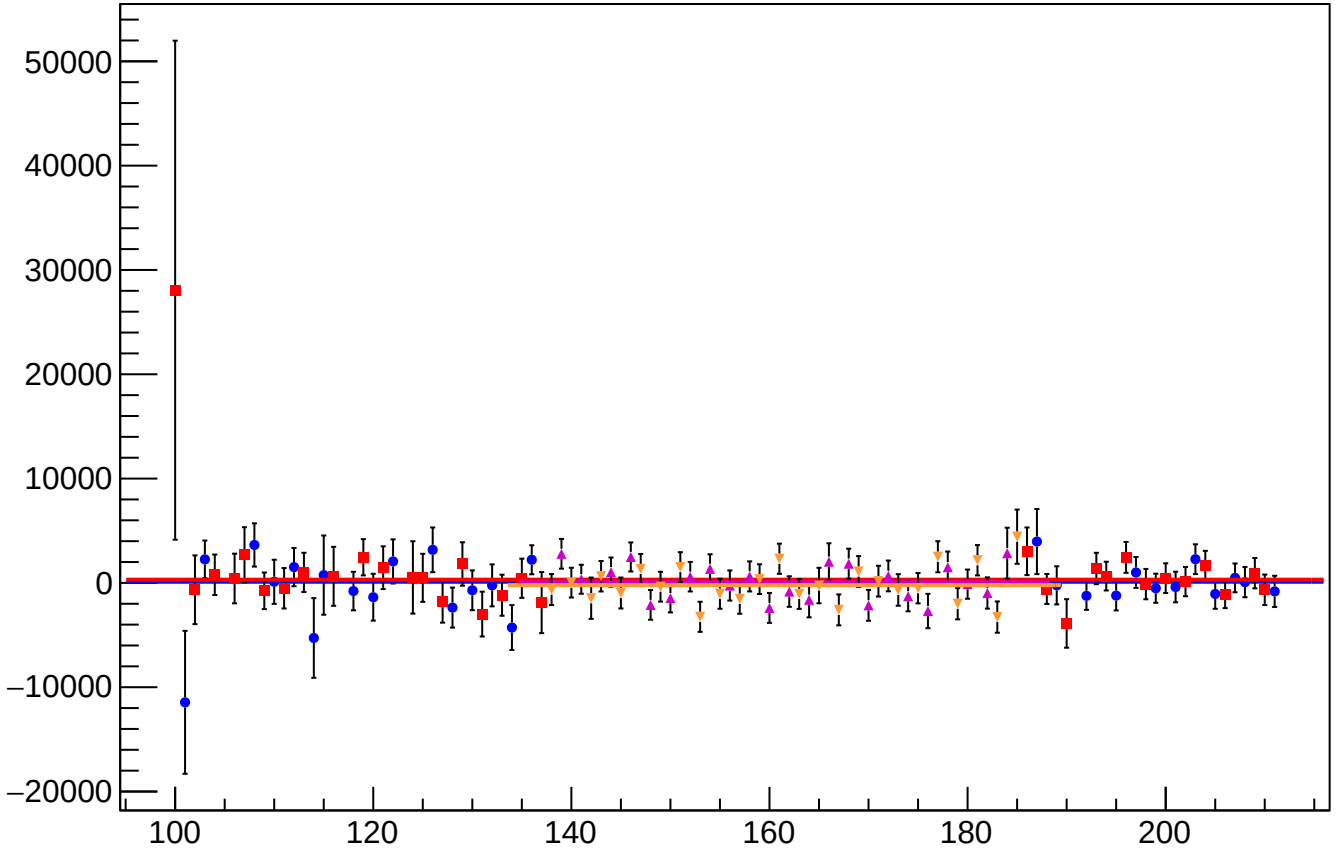
Left In: 642.465+/-0.108 χ^2/NDF:926376.1/22

+ sign 692.722+/-0.087 χ^2/NDF: 7032401.3/52

All: 710.306+/-0.063 χ^2/NDF: 14390486.8/10

- sign 729.700+/-0.091 χ^2/NDF: 7271509.5/54

dit_asym_usr_atr1_dd_mean vs Slug



Right In: 112.836+/-333.415 χ^2/NDF: 29.2/27

Left Out: -215.033+/-300.379 χ^2/NDF:31.3/24

Right Out: 309.045+/-321.963 χ^2/NDF: 20.5/31

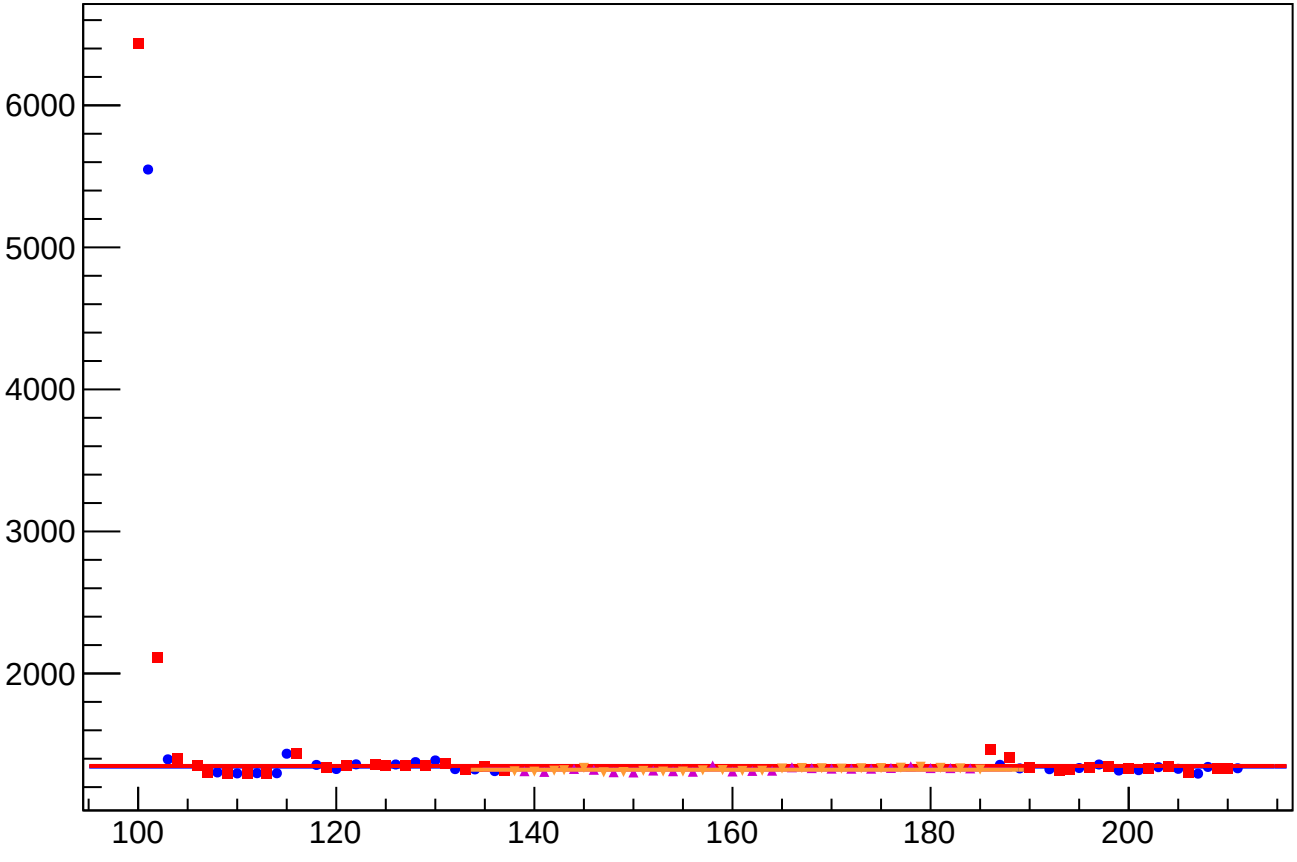
Left In: 50.244+/-308.986 χ^2/NDF:27.8/22

+ sign -68.142+/-223.168 χ^2/NDF: 61.0/52

All: 53.219+/-157.720 χ^2/NDF: 110.3/107

- sign 174.324+/-222.933 χ^2/NDF: 48.7/54

dit_asym_usr_atr1_dd_rms vs Slug



Right In: 1344.235+/-0.236 χ^2/NDF: 767264.3/27

Left Out: 1322.369+/-0.212 χ^2/NDF:2931.9/24

Right Out: 1348.983+/-0.228 χ^2/NDF: 220370.9/31

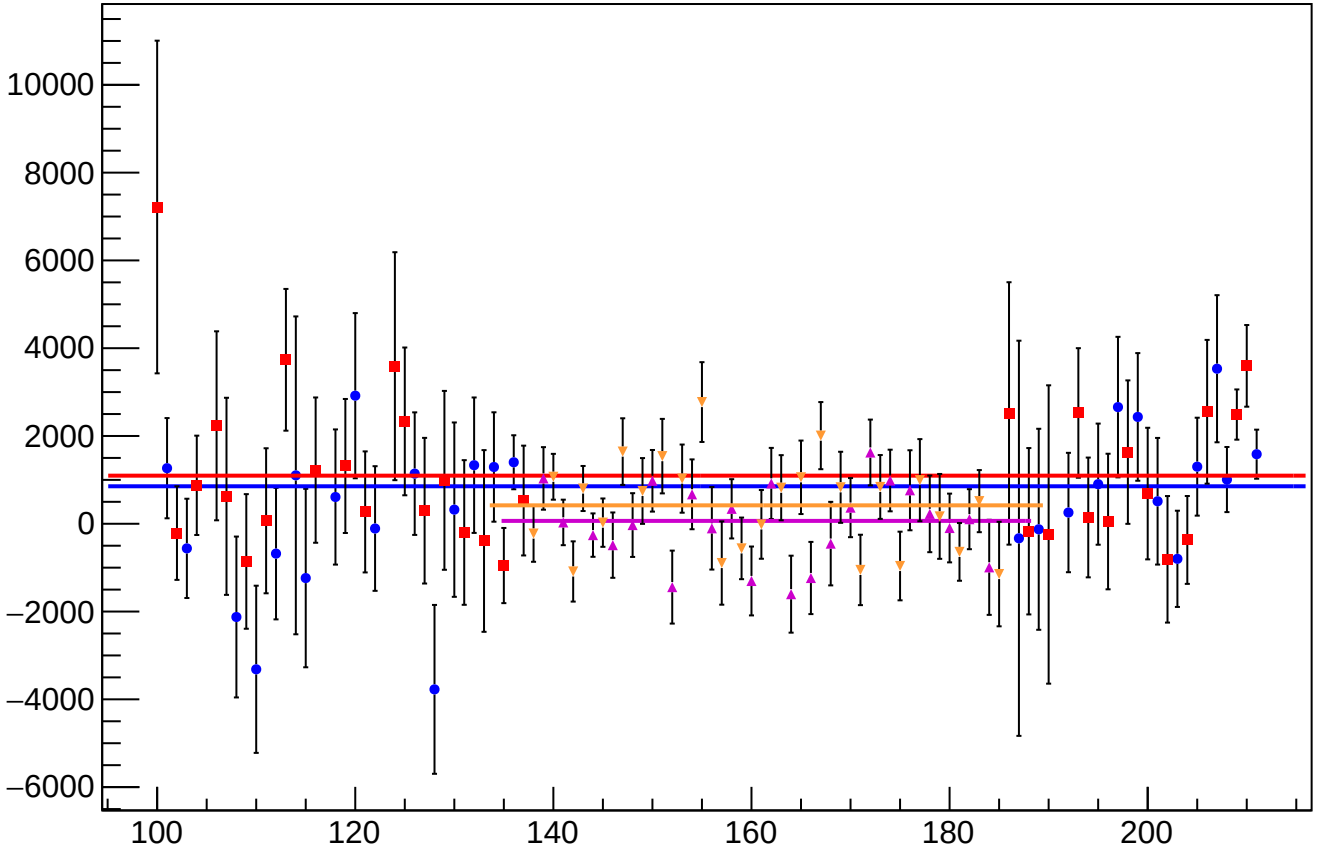
Left In: 1323.337+/-0.218 χ^2/NDF:3856.3/22

+ sign 1332.165+/-0.158 χ^2/NDF: 774944.2/52

All: 1333.901+/-0.112 χ^2/NDF: 1006018.7/10

- sign 1335.633+/-0.158 χ^2/NDF: 230832.8/54

asym_usr_atr1_dd_dit_correction_mean vs Slug



Right In: 854.113+/-232.562 χ^2/NDF: 29.5/27

Left Out: 419.899+/-146.436 χ^2/NDF:41.5/24

Right Out: 1096.056+/-241.677 χ^2/NDF: 39.0/31

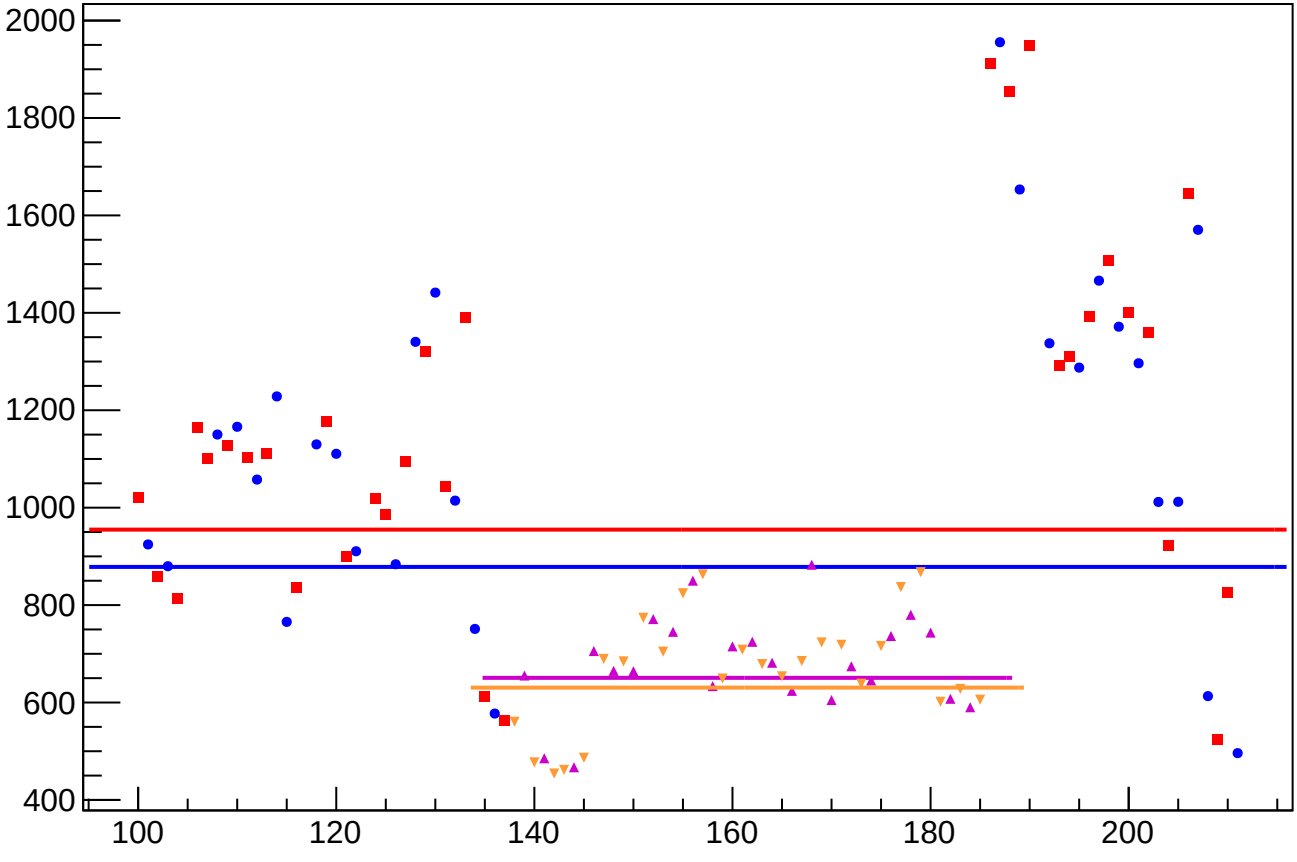
Left In: 65.405+/-154.224 χ^2/NDF:27.0/22

+ sign 543.177+/-123.917 χ^2/NDF: 73.6/52

All: 457.721+/-89.699 χ^2/NDF: 153.6/107

- sign 363.658+/-130.008 χ^2/NDF: 79.0/54

asym_usr_atr1_dd_dit_correction_rms vs Slug



Right In: 878.370+/-0.164 χ^2/NDF: 4028208.6/27

Left Out: 630.592+/-0.104 χ^2/NDF:1328590.6/24

Right Out: 954.950+/-0.171 χ^2/NDF: 4207533.9/31

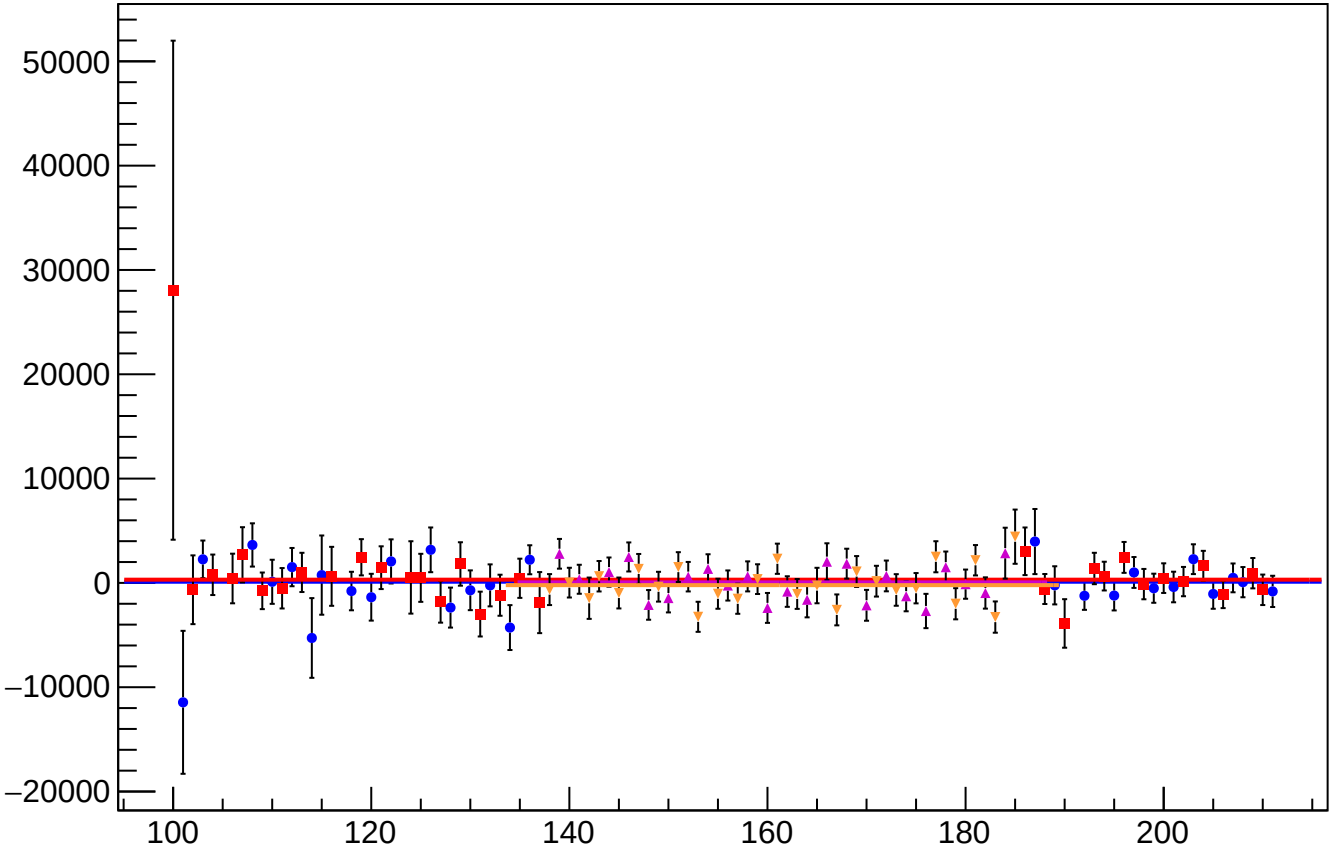
Left In: 650.637+/-0.109 χ^2/NDF:922078.1/22

+ sign 700.939+/-0.088 χ^2/NDF: 6982516.7/52

All: 718.914+/-0.063 χ^2/NDF: 14453935.2/10

- sign 738.700+/-0.092 χ^2/NDF: 7383012.5/54

eigen_dit_asym_usr_atr1_dd_mean vs Slug



Right In: 112.836+/-333.415 χ^2/NDF: 29.2/27

Left Out: -215.035+/-300.379 χ^2/NDF:31.3/24

Right Out: 309.044+/-321.963 χ^2/NDF: 20.5/31

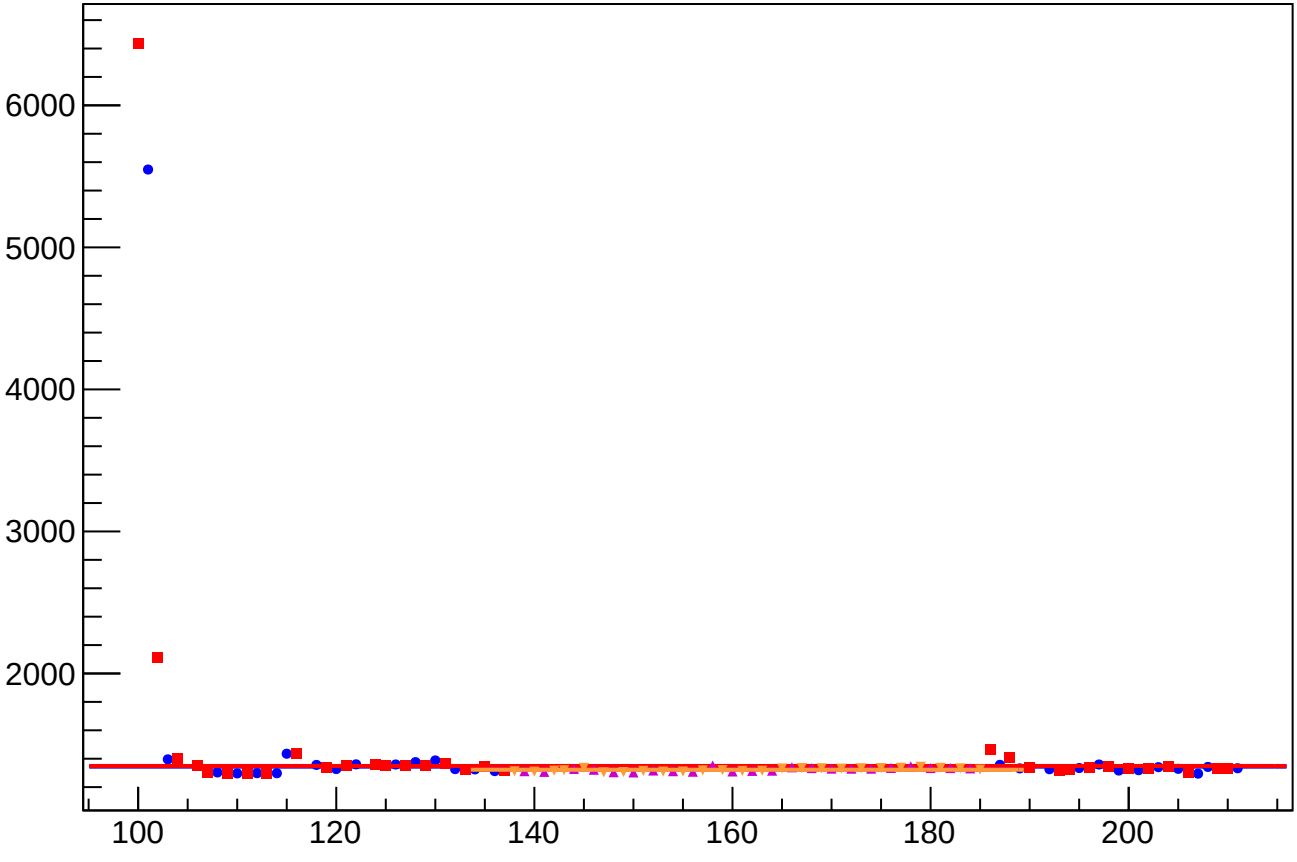
Left In: 50.244+/-308.986 χ^2/NDF:27.8/22

+ sign -68.143+/-223.168 χ^2/NDF: 61.0/52

All: 53.218+/-157.720 χ^2/NDF: 110.3/107

- sign 174.323+/-222.933 χ^2/NDF: 48.7/54

eigen_dit_asym_usr_atr1_dd_rms vs Slug



Right In: 1344.235+/-0.236 χ^2/NDF: 767264.2/27

Left Out: 1322.369+/-0.212 χ^2/NDF:2931.9/24

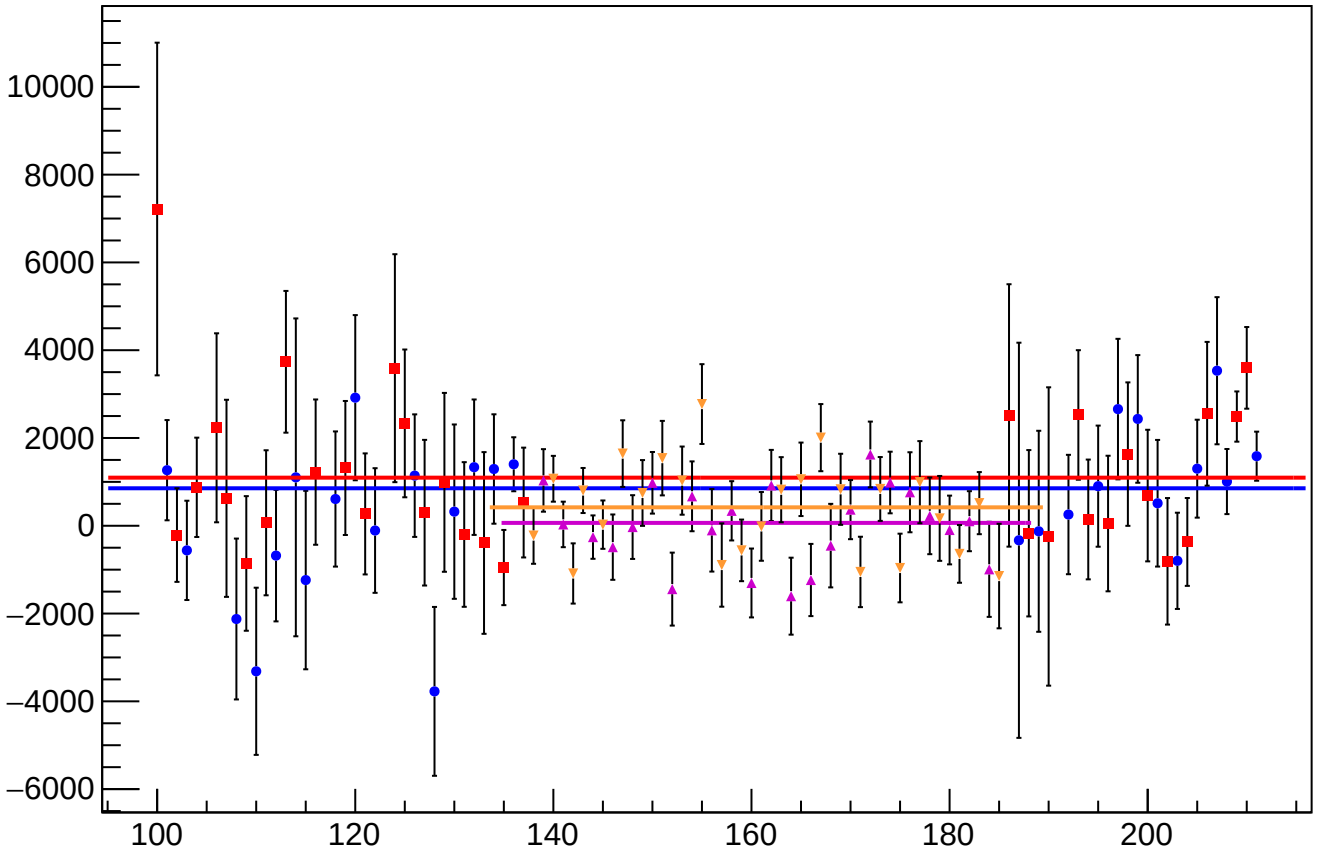
Right Out: 1348.983+/-0.228 χ^2/NDF: 220370.8/31

Left In: 1323.337+/-0.218 χ^2/NDF:3856.3/22

+ sign 1332.165+/-0.158 χ^2/NDF: 774944.1/52

All: 1333.901+/-0.112 χ^2/NDF: 1006018.5/10

- sign 1335.633+/-0.158 χ^2/NDF: 230832.7/54



Right In: 854.110+/-232.562 χ^2/NDF: 29.5/27

Left Out: 419.899+/-146.436 χ^2/NDF:41.5/24

Right Out: 1096.057+/-241.676 χ^2/NDF: 39.0/31

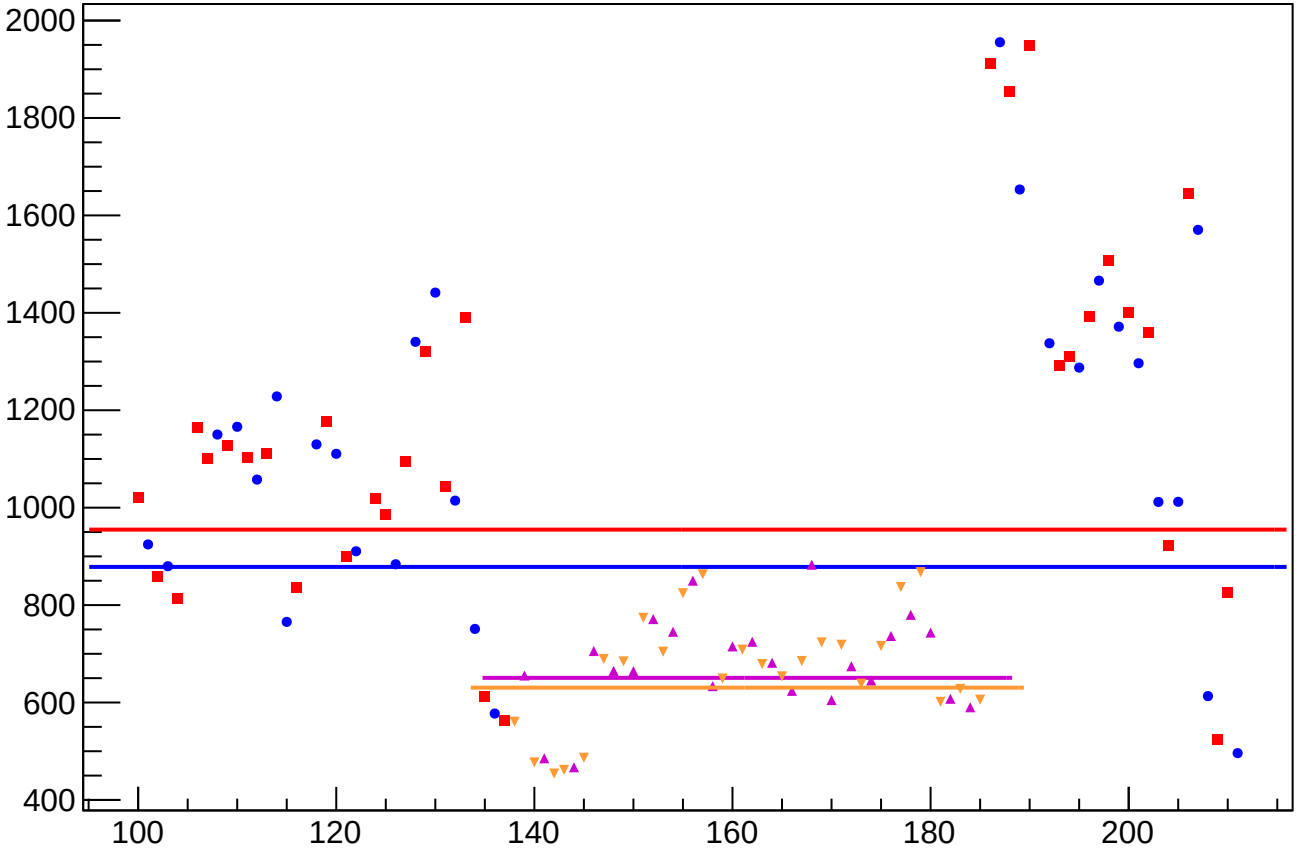
Left In: 65.405+/-154.225 χ^2/NDF:27.0/22

+ sign 543.177+/-123.917 χ^2/NDF: 73.6/52

All: 457.722+/-89.699 χ^2/NDF: 153.6/107

- sign 363.660+/-130.008 χ^2/NDF: 79.0/54

asym_usr_atr1_dd_eigen_dit_correction_rms vs Slug



Right In: 878.370+/-0.164 χ^2/NDF: 4028203.2/27

Left Out: 630.592+/-0.104 χ^2/NDF:1328610.2/24

Right Out: 954.948+/-0.171 χ^2/NDF: 4207561.9/31

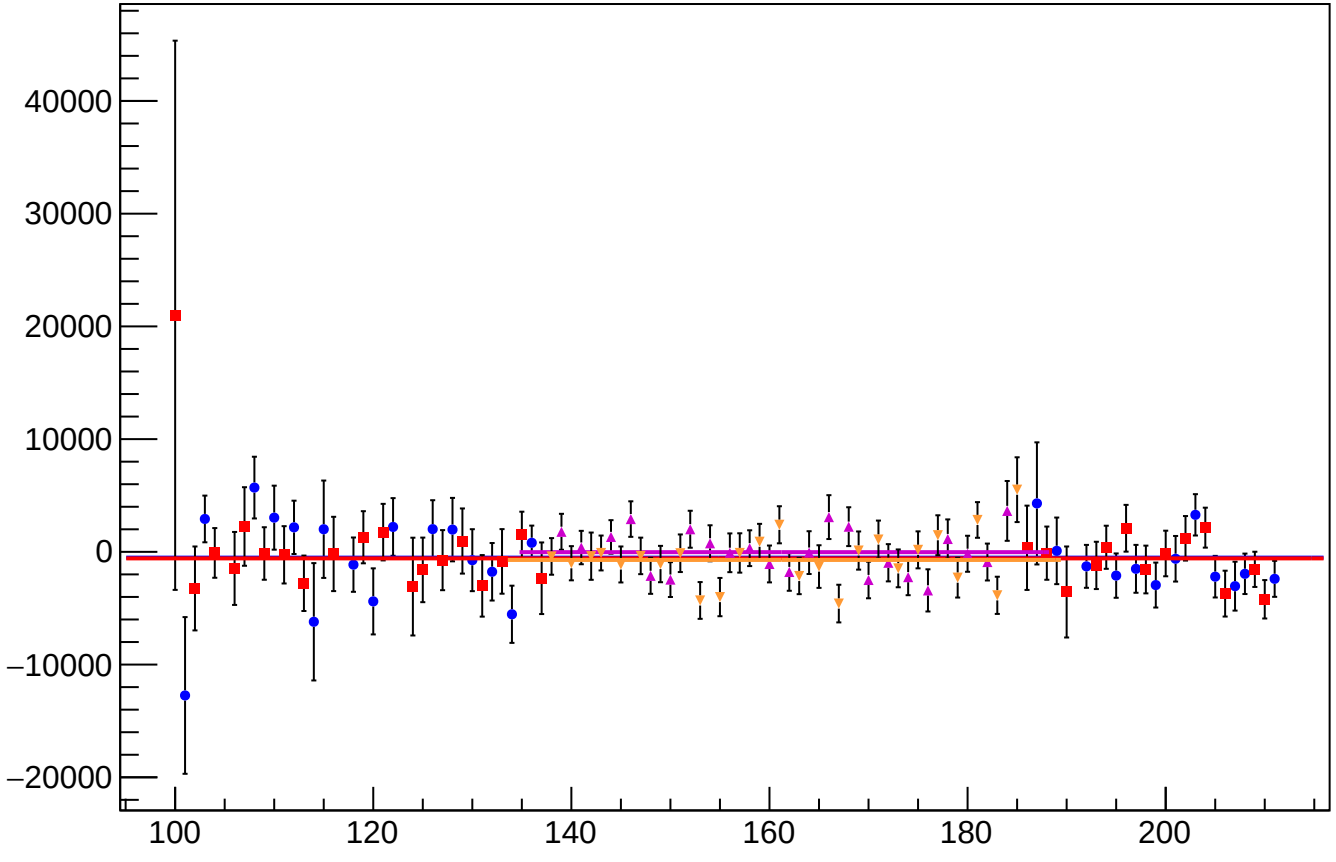
Left In: 650.638+/-0.109 χ^2/NDF:922087.6/22

+ sign 700.939+/-0.088 χ^2/NDF: 6982517.0/52

All: 718.915+/-0.063 χ^2/NDF: 14453927.0/10

- sign 738.700+/-0.092 χ^2/NDF: 7383003.5/54

asym_usr_atr1_dd_mean vs Slug



Right In: -512.565+/-435.188 χ^2/NDF: 36.9/27

Left Out: -718.291+/-337.578 χ^2/NDF:37.7/24

Right Out: -580.286+/-425.989 χ^2/NDF: 20.7/31

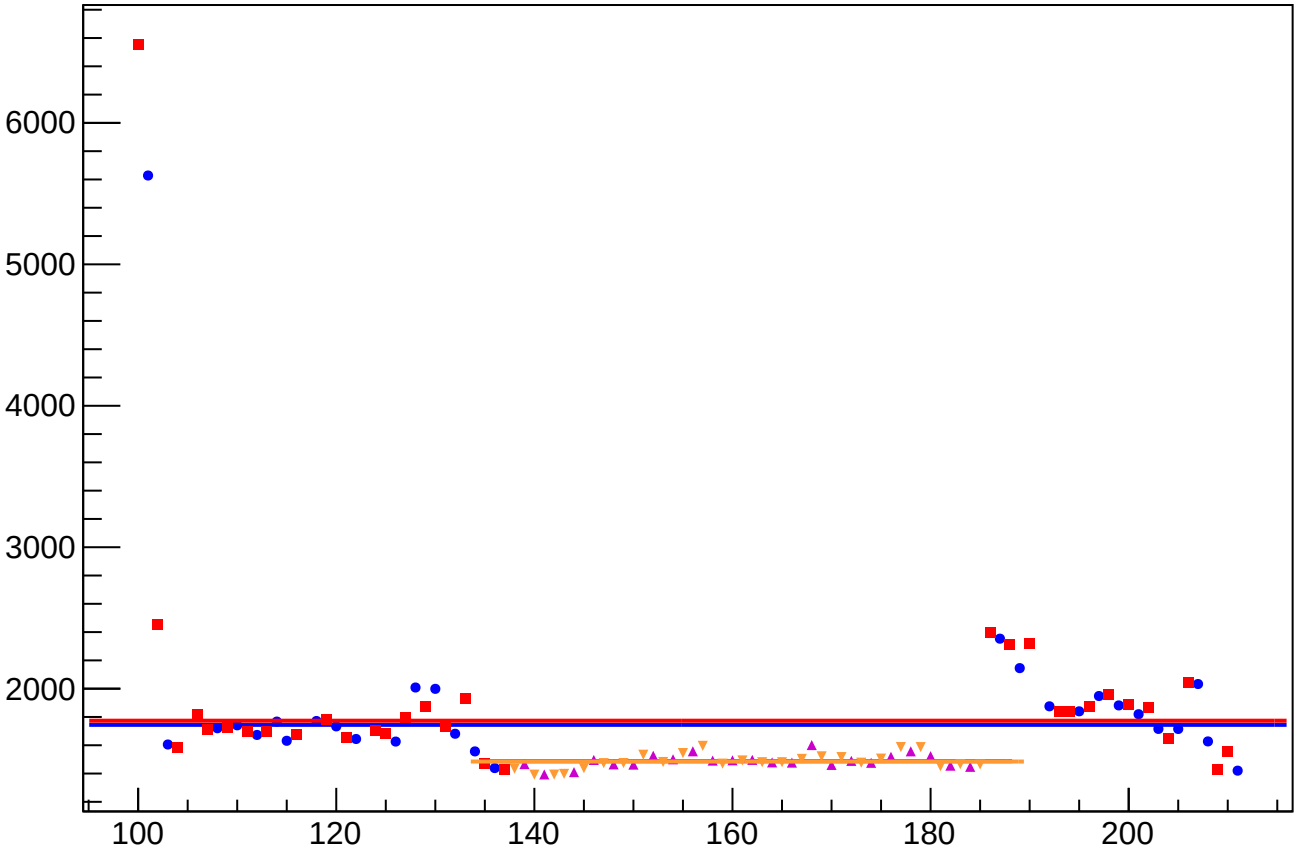
Left In: -27.514+/-347.415 χ^2/NDF:28.0/22

+ sign -641.006+/-266.735 χ^2/NDF: 74.8/52

All: -446.489+/-189.487 χ^2/NDF: 125.6/107

- sign -248.315+/-269.231 χ^2/NDF: 49.7/54

asym_usr_atr1_dd_rms vs Slug



Right In: 1744.272+/-0.308 χ^2/NDF: 1005930.7/27

Left Out: 1484.960+/-0.239 χ^2/NDF:50905.1/24

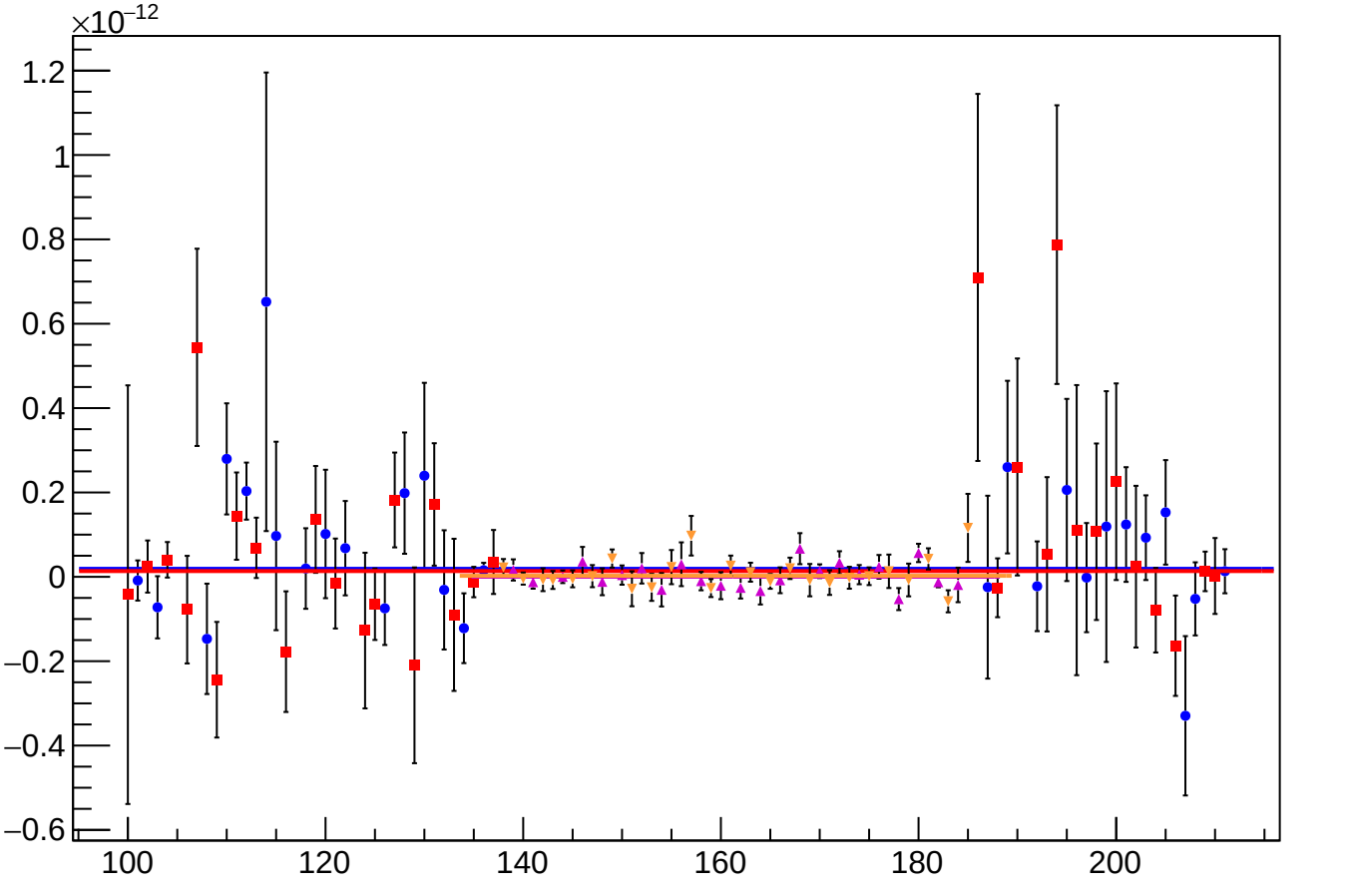
Right Out: 1773.636+/-0.301 χ^2/NDF: 654931.0/31

Left In: 1487.112+/-0.246 χ^2/NDF:34817.2/22

+ sign 1582.376+/-0.189 χ^2/NDF: 1500173.2/52

All: 1591.880+/-0.134 χ^2/NDF: 2738433.2/10

- sign 1601.562+/-0.190 χ^2/NDF: 1233134.2/54



Right In: 0.000+/-0.000 χ^2/NDF: 32.4/27

Left Out: 0.000+/-0.000 χ^2/NDF:25.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 34.9/31

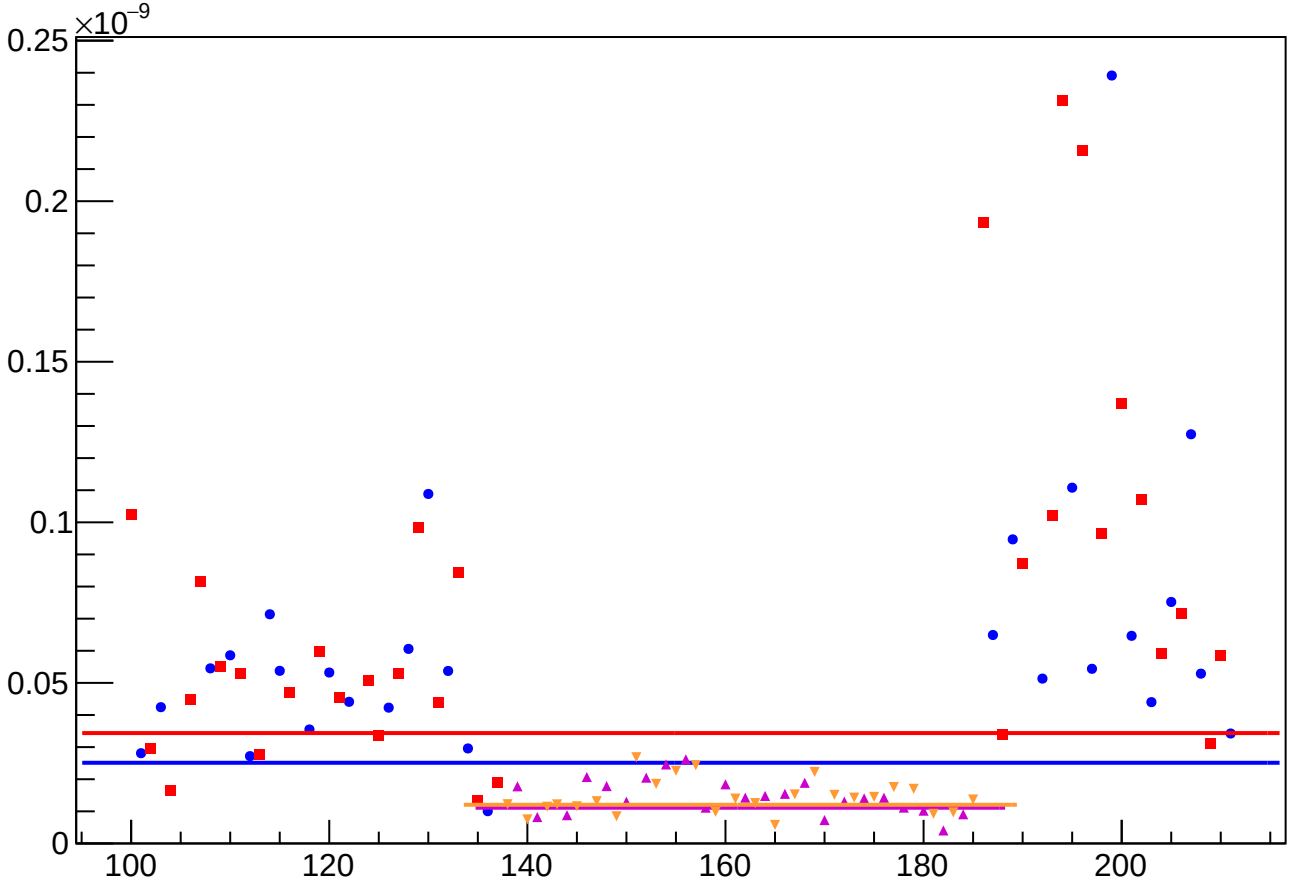
Left In: 0.000+/-0.000 χ^2/NDF:24.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 59.2/52

All: 0.000+/-0.000 χ^2/NDF: 119.9/107

- sign 0.000+/-0.000 χ^2/NDF: 60.4/54

asym_usr_atr1_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 5735809.3/27

Left Out: 0.000+/-0.000 χ^2/NDF:1520224.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5127985.9/31

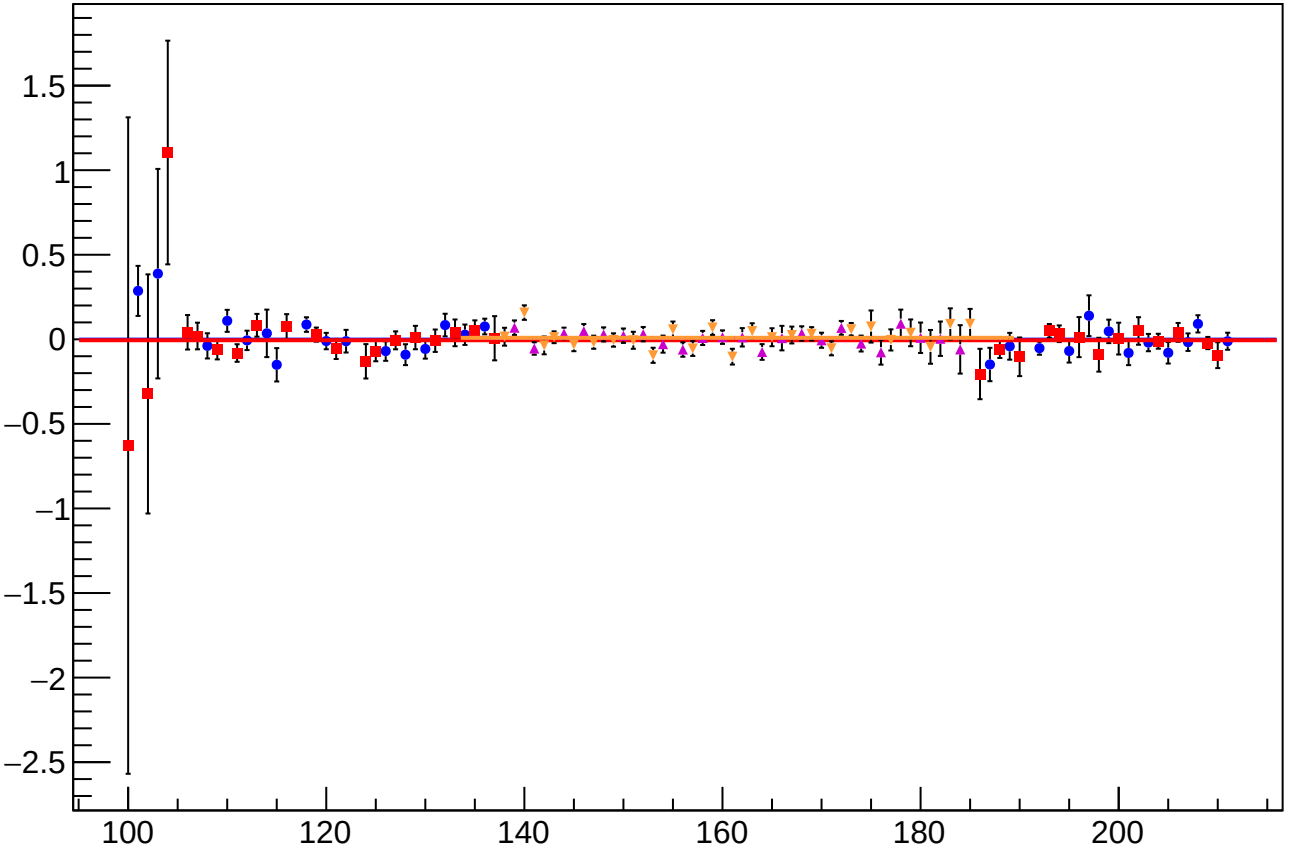
Left In: 0.000+/-0.000 χ^2/NDF:2209676.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 8995325.0/52

All: 0.000+/-0.000 χ^2/NDF: 20148886.3/107

- sign 0.000+/-0.000 χ^2/NDF: 11134666.5/54

asym_usr_atr1_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.002+/-0.012 χ^2/NDF: 36.3/27

Left Out: 0.009+/-0.010 χ^2/NDF:38.6/24

Right Out: -0.005+/-0.011 χ^2/NDF: 24.5/31

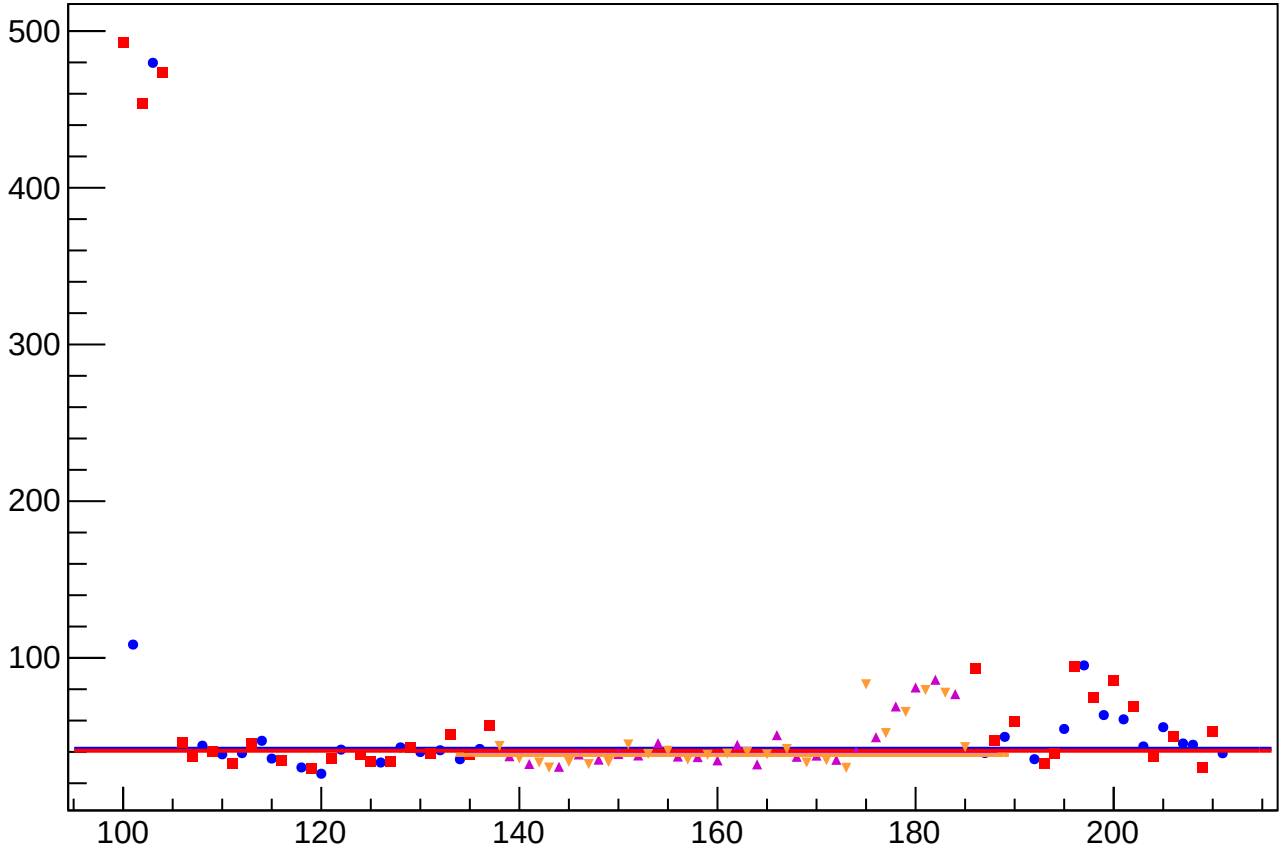
Left In: 0.008+/-0.010 χ^2/NDF:18.9/22

+ sign 0.005+/-0.007 χ^2/NDF: 75.4/52

All: 0.003+/-0.005 χ^2/NDF: 119.6/107

- sign 0.002+/-0.007 χ^2/NDF: 44.2/54

asym_usr_atr1_dd_dit_vs_cor_diff_rms vs Slug



Right In: 42.011+/-0.008 χ^2/NDF: 2850120.7/27

Left Out: 38.067+/-0.007 χ^2/NDF:1967115.3/24

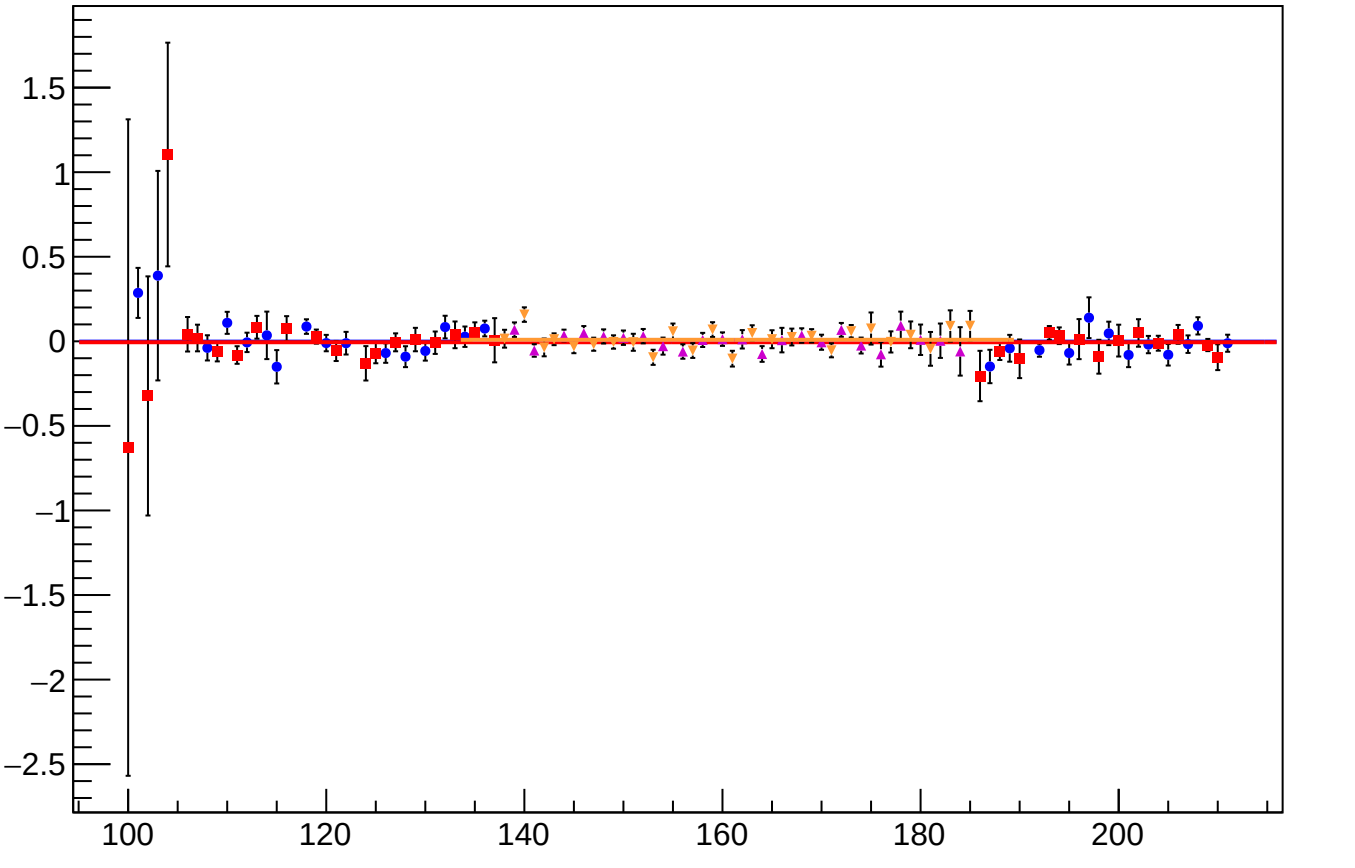
Right Out: 40.760+/-0.008 χ^2/NDF: 4082296.1/31

Left In: 38.630+/-0.007 χ^2/NDF:1727664.7/22

\+ sign 39.651+/-0.005 χ^2/NDF: 4953672.4/52

All: 39.597+/-0.004 χ^2/NDF: 10803374.1/107

\- sign 39.542+/-0.005 χ^2/NDF: 5849487.4/54



Right In: -0.002+/-0.012 χ^2/NDF: 36.3/27

Left Out: 0.009+/-0.010 χ^2/NDF:38.6/24

Right Out: -0.005+/-0.011 χ^2/NDF: 24.5/31

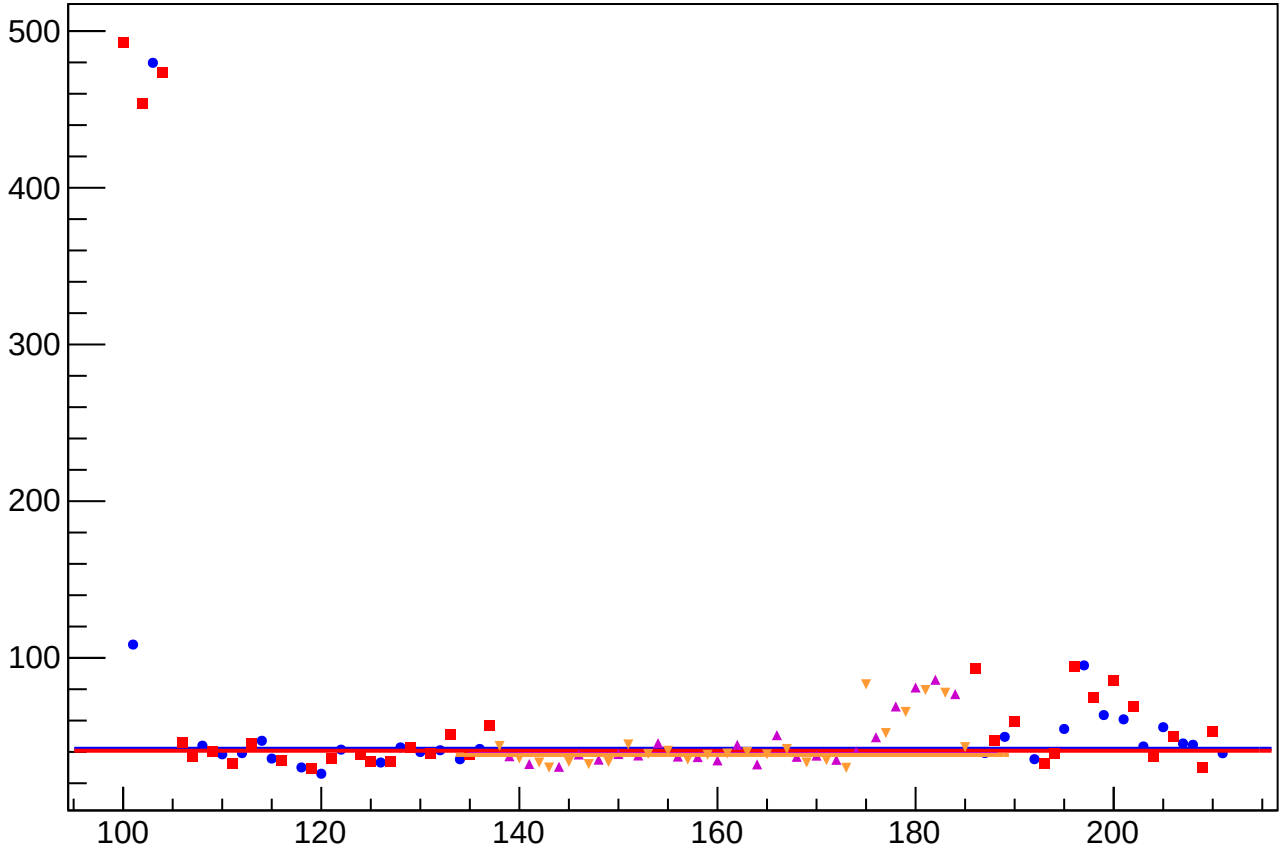
Left In: 0.008+/-0.010 χ^2/NDF:18.9/22

+ sign 0.005+/-0.007 χ^2/NDF: 75.4/52

All: 0.003+/-0.005 χ^2/NDF: 119.6/107

- sign 0.002+/-0.007 χ^2/NDF: 44.2/54

asym_usr_atr1_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 42.011+/-0.008 χ^2/NDF: 2850120.7/27

Left Out: 38.067+/-0.007 χ^2/NDF:1967115.3/24

Right Out: 40.760+/-0.008 χ^2/NDF: 4082296.1/31

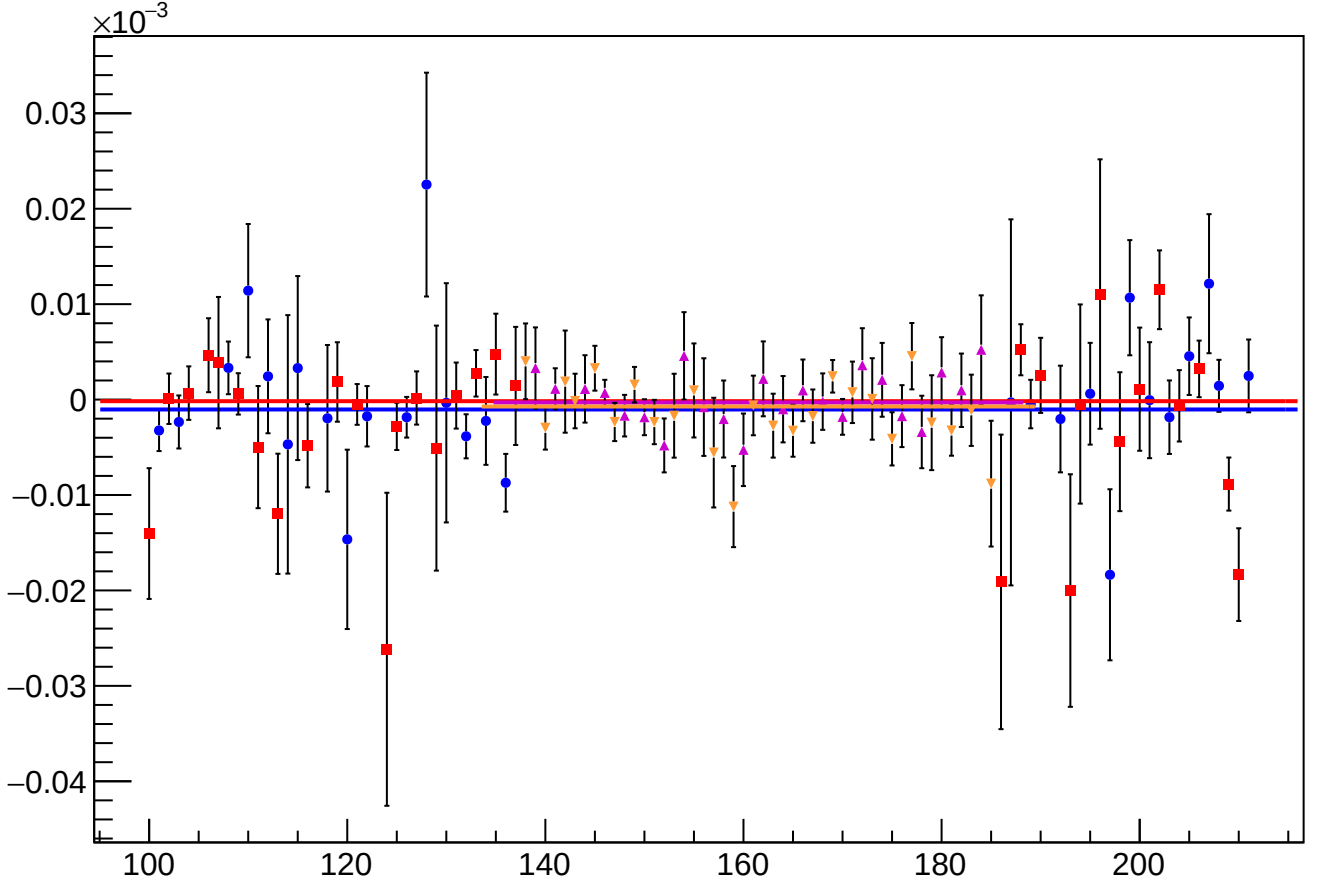
Left In: 38.630+/-0.007 χ^2/NDF:1727664.7/22

\+ sign 39.651+/-0.005 χ^2/NDF: 4953672.4/52

All: 39.597+/-0.004 χ^2/NDF: 10803374.1/107

\- sign 39.542+/-0.005 χ^2/NDF: 5849487.4/54

asym_usr_atr1_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 36.5/27

Left Out: -0.000+/-0.000 χ^2/NDF:26.6/24

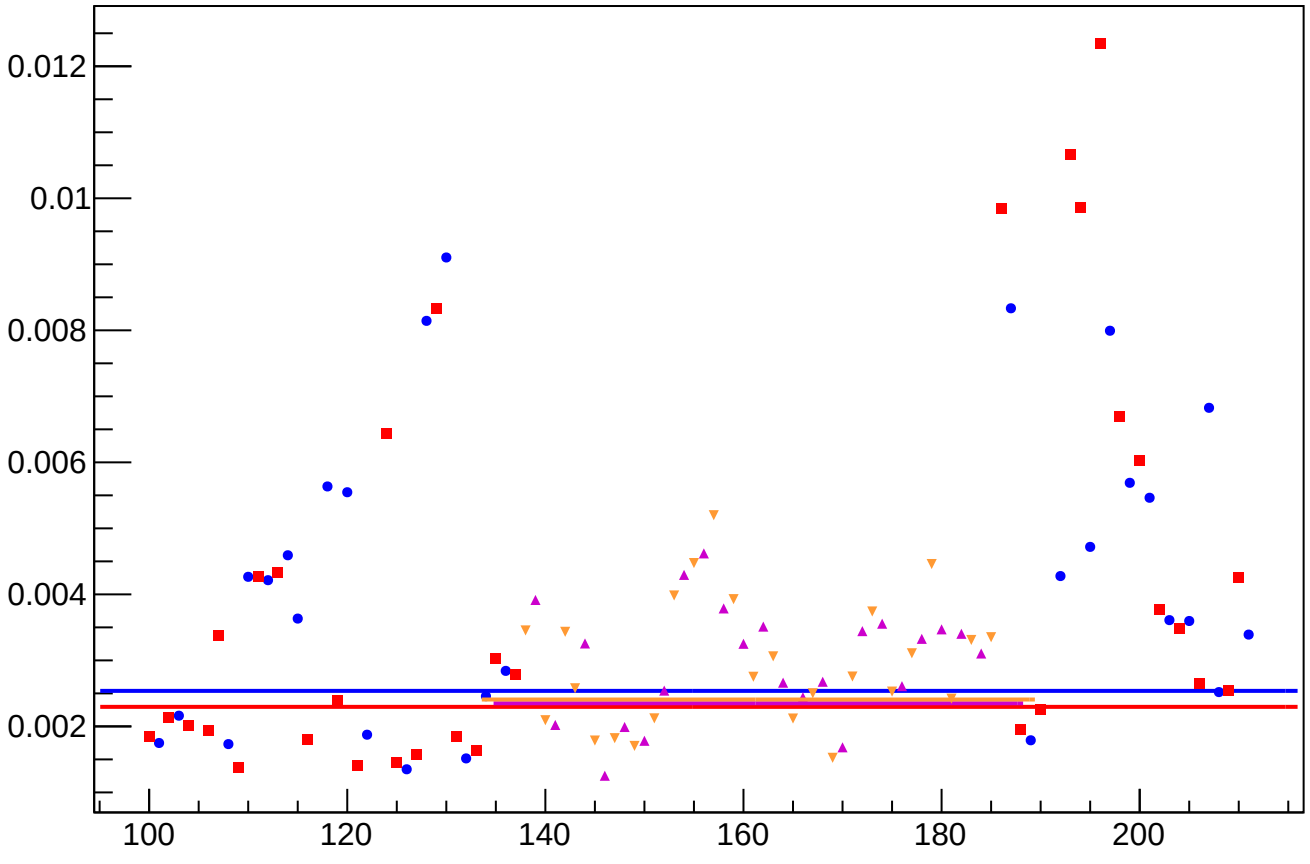
Right Out: -0.000+/-0.000 χ^2/NDF: 61.2/31

Left In: -0.000+/-0.000 χ^2/NDF:13.8/22

+ sign -0.000+/-0.000 χ^2/NDF: 63.1/52

All: -0.000+/-0.000 χ^2/NDF: 139.0/107

- sign -0.000+/-0.000 χ^2/NDF: 75.0/54



Right In: 0.003+/-0.000 χ^2/NDF: 7202365.4/27

Left Out: 0.002+/-0.000 χ^2/NDF:3682960.0/24

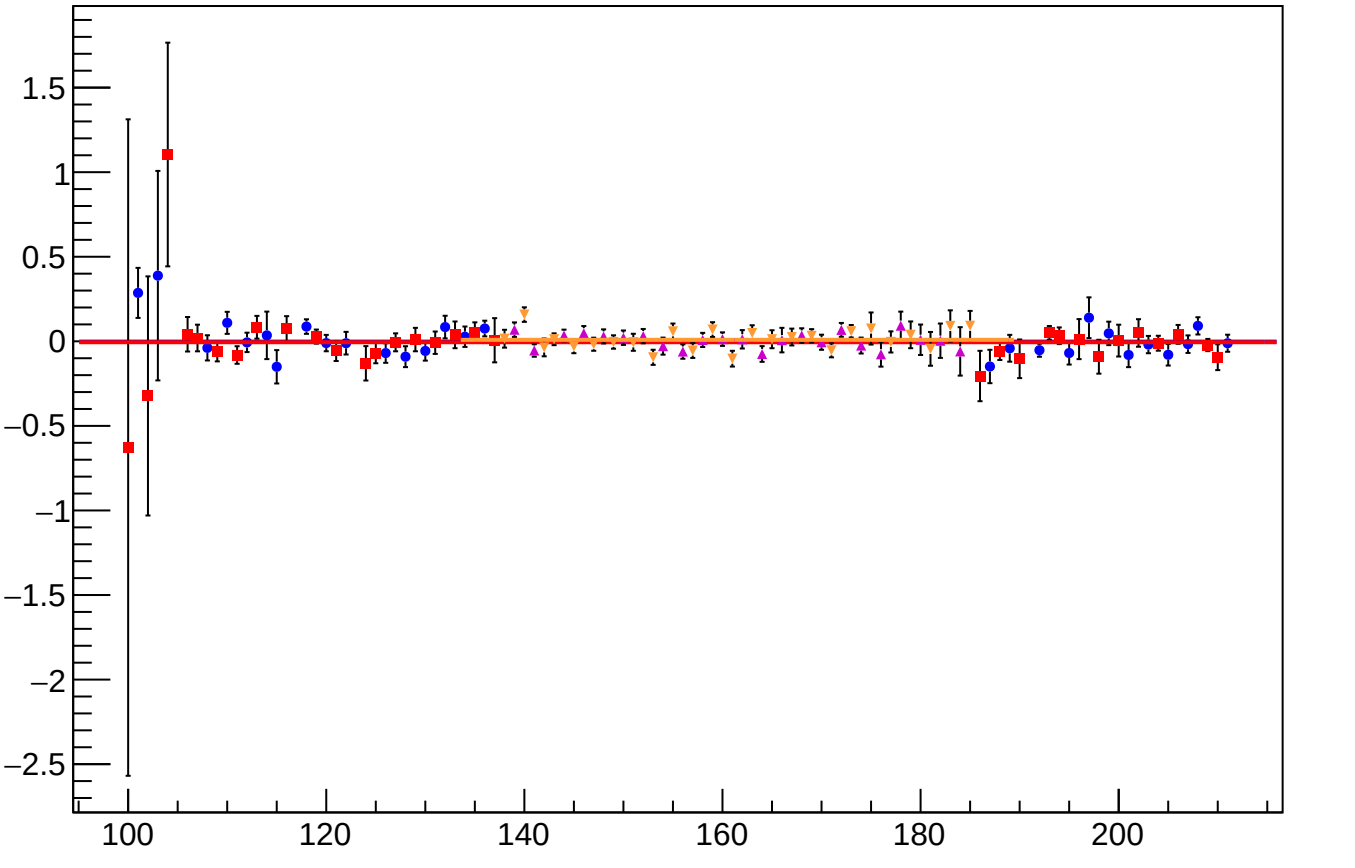
Right Out: 0.002+/-0.000 χ^2/NDF: 8172756.0/31

Left In: 0.002+/-0.000 χ^2/NDF:4438139.5/22

+ sign 0.002+/-0.000 χ^2/NDF: 10924677.3/52

All: 0.002+/-0.000 χ^2/NDF: 23630174.7/107

- sign 0.002+/-0.000 χ^2/NDF: 12618414.0/54



Right In: -0.002+/-0.012 χ^2/NDF: 36.3/27

Left Out: 0.009+/-0.010 χ^2/NDF:38.6/24

Right Out: -0.005+/-0.011 χ^2/NDF: 24.5/31

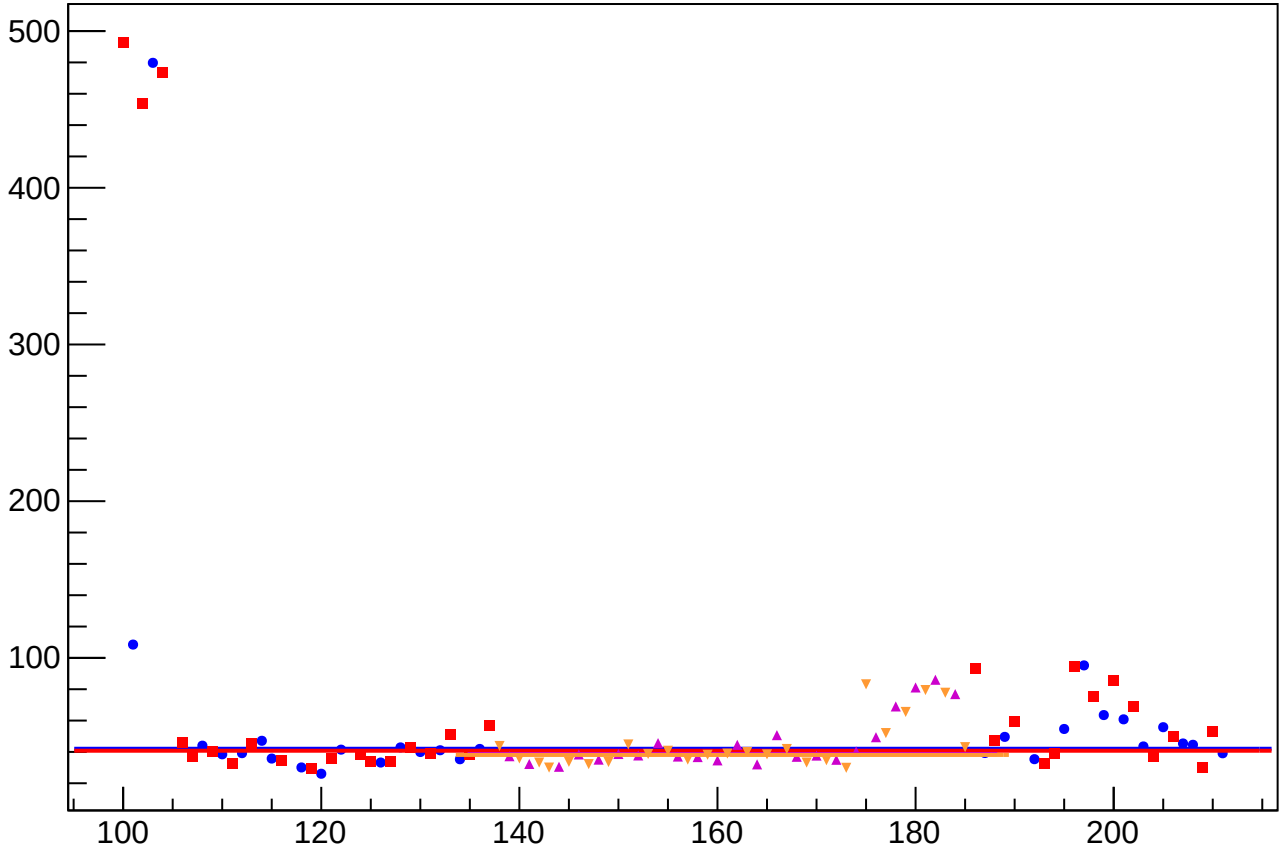
Left In: 0.008+/-0.010 χ^2/NDF:18.9/22

+ sign 0.005+/-0.007 χ^2/NDF: 75.4/52

All: 0.003+/-0.005 χ^2/NDF: 119.6/107

- sign 0.002+/-0.007 χ^2/NDF: 44.2/54

asym_usr_atr1_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 42.011+/-0.008 χ^2/NDF: 2850313.7/27

Left Out: 38.067+/-0.007 χ^2/NDF:1967110.9/24

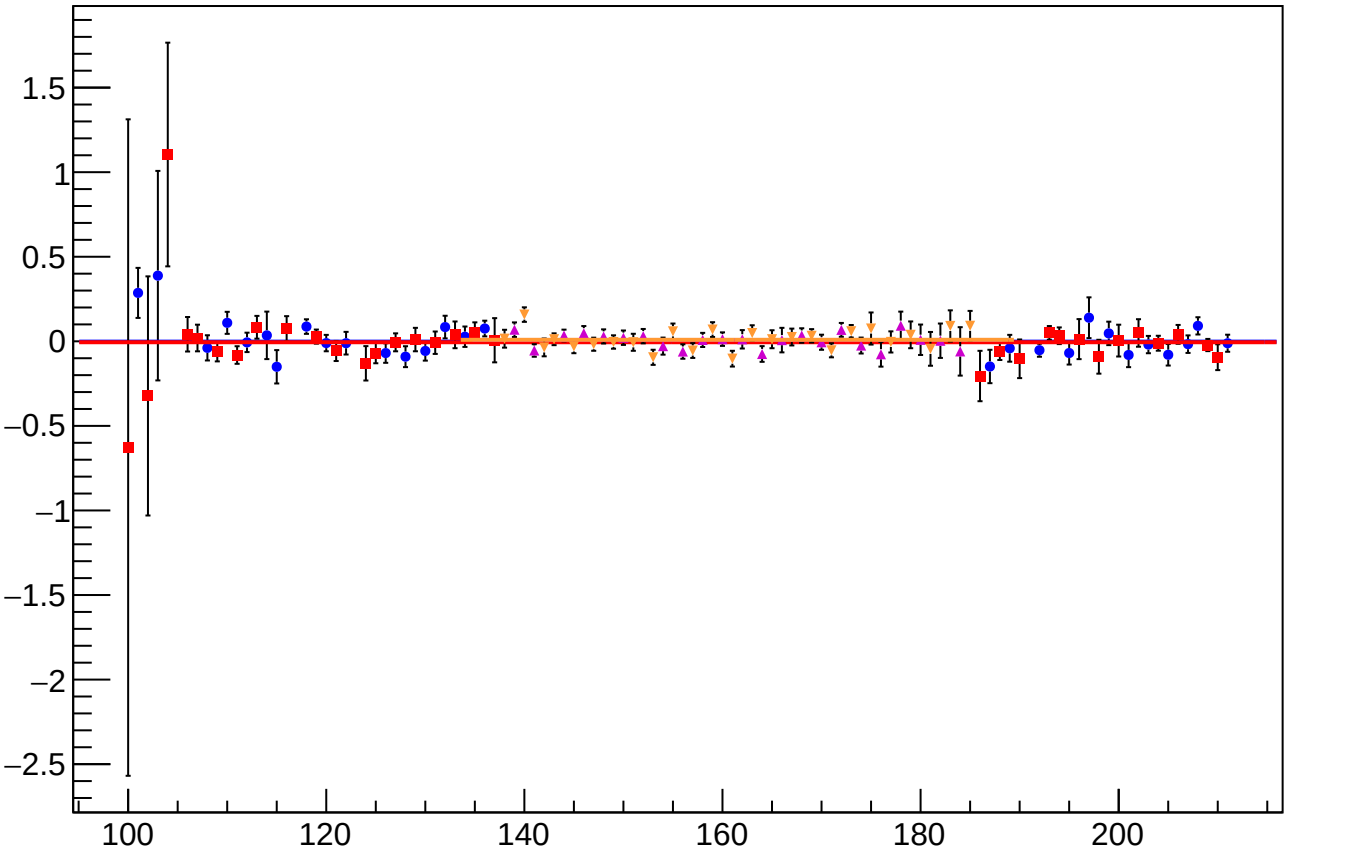
Right Out: 40.757+/-0.008 χ^2/NDF: 4082797.9/31

Left In: 38.630+/-0.007 χ^2/NDF:1727699.0/22

\+ sign 39.651+/-0.005 χ^2/NDF: 4953833.7/52

All: 39.597+/-0.004 χ^2/NDF: 10803982.8/107

\- sign 39.541+/-0.005 χ^2/NDF: 5849930.7/54



Right In: -0.002+/-0.012 χ^2/NDF: 36.3/27

Left Out: 0.009+/-0.010 χ^2/NDF:38.6/24

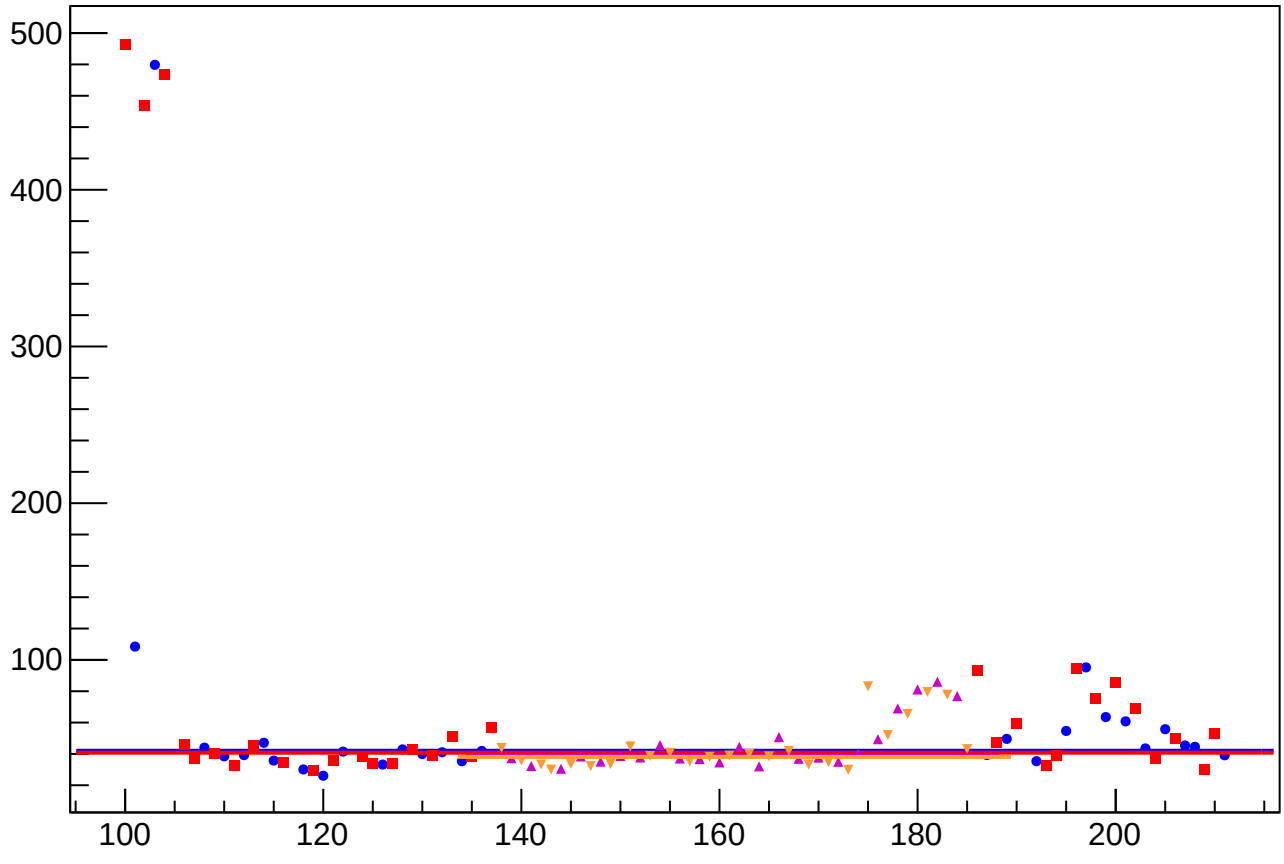
Right Out: -0.005+/-0.011 χ^2/NDF: 24.5/31

Left In: 0.008+/-0.010 χ^2/NDF:18.9/22

+ sign 0.005+/-0.007 χ^2/NDF: 75.4/52

All: 0.003+/-0.005 χ^2/NDF: 119.6/107

- sign 0.002+/-0.007 χ^2/NDF: 44.2/54



Right In: 42.011+/-0.008 χ^2/NDF: 2850313.7/27

Left Out: 38.067+/-0.007 χ^2/NDF:1967110.9/24

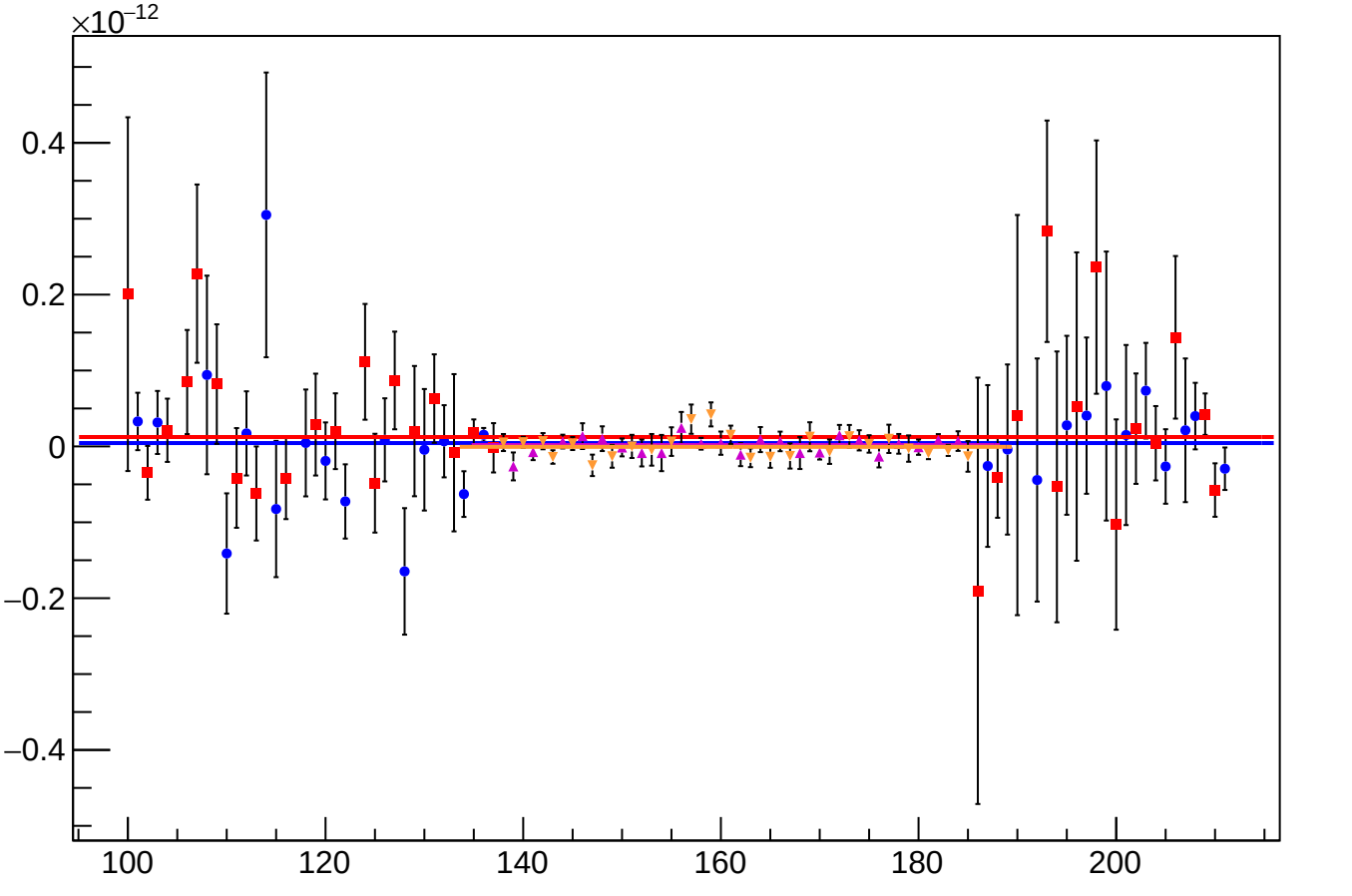
Right Out: 40.757+/-0.008 χ^2/NDF: 4082797.9/31

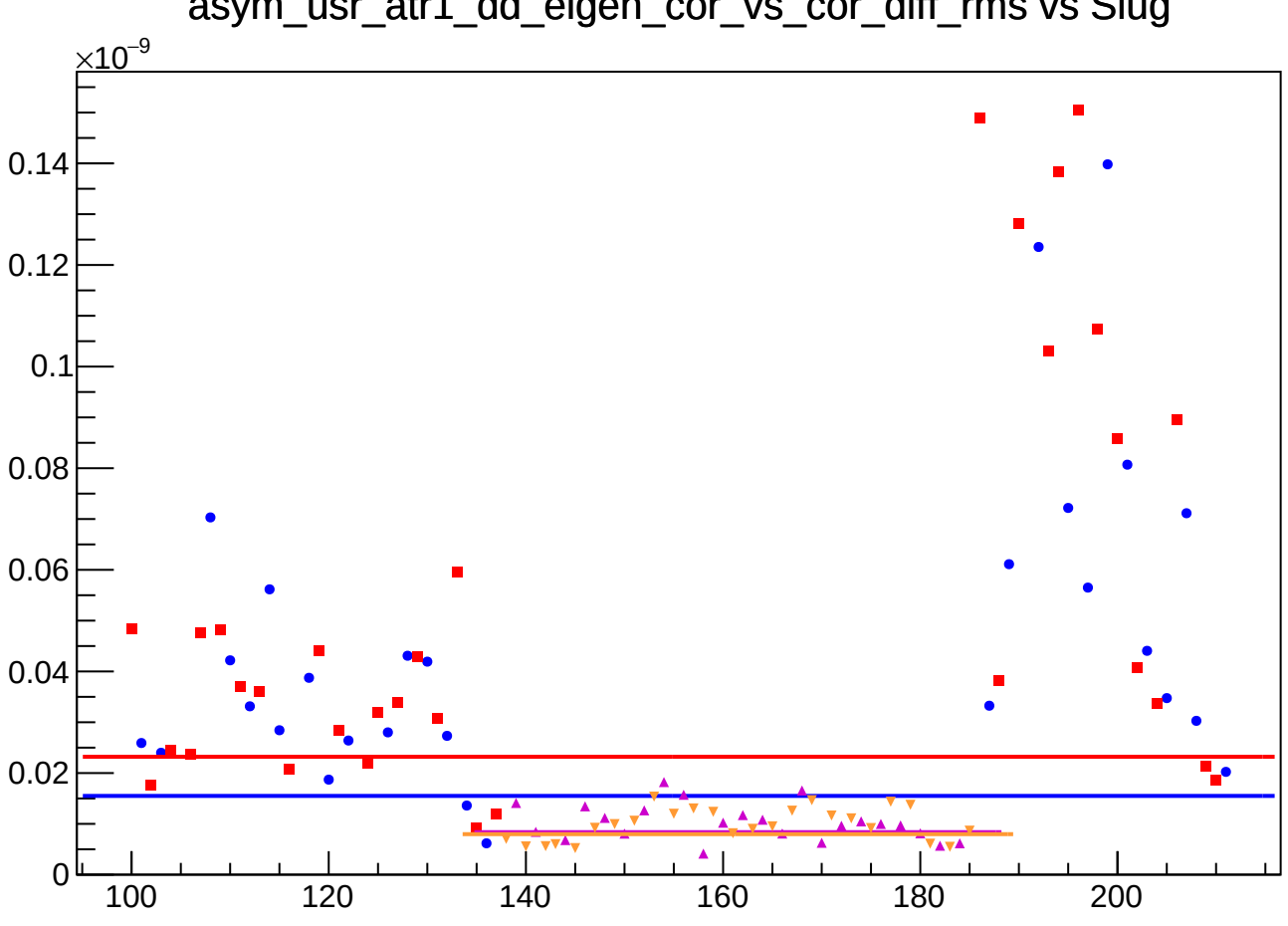
Left In: 38.630+/-0.007 χ^2/NDF:1727699.0/22

+ sign 39.651+/-0.005 χ^2/NDF: 4953833.7/52

All: 39.597+/-0.004 χ^2/NDF: 10803982.8/107

- sign 39.541+/-0.005 χ^2/NDF: 5849930.7/54


asym_usr_atr1_dd_eigen_cor_vs_cor_diff_mean vs Slug
×10−12
0.4
0.2
0
−0.2
−0.4
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ2/NDF: 25.9/27
Left Out: -0.000+/-0.000 χ2/NDF:26.9/24
Right Out: 0.000+/-0.000 χ2/NDF: 30.4/31
Left In: 0.000+/-0.000 χ2/NDF:11.6/22
+ sign -0.000+/-0.000 χ2/NDF: 53.3/52
All: 0.000+/-0.000 χ2/NDF: 97.2/107
- sign 0.000+/-0.000 χ2/NDF: 43.3/54



Right In: 0.000+/-0.000 χ^2/NDF: 9652883.2/27

Left Out: 0.000+/-0.000 χ^2/NDF:2831909.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7880047.7/31

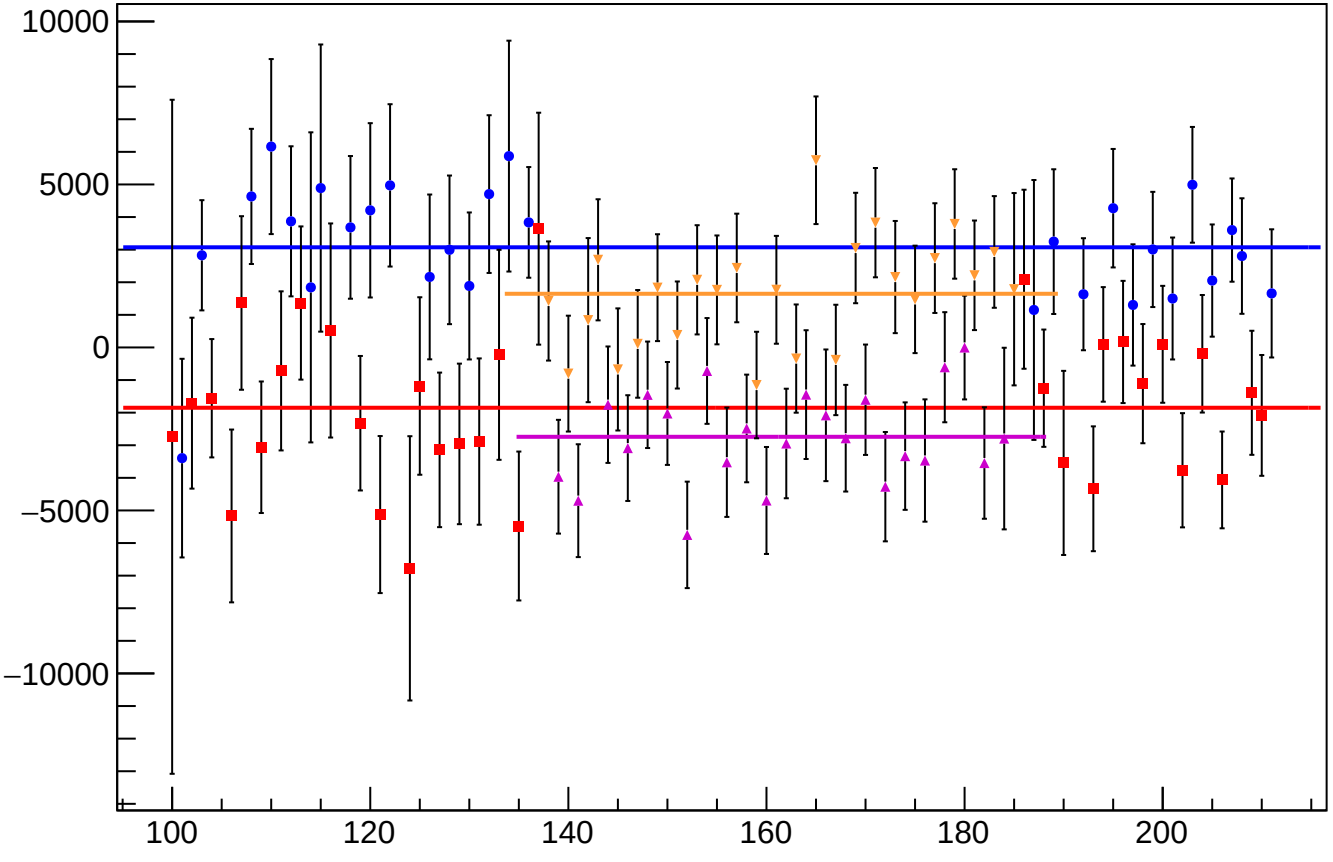
Left In: 0.000+/-0.000 χ^2/NDF:2786396.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 14561806.7/52

All: 0.000+/-0.000 χ^2/NDF: 30348482.3/107

- sign 0.000+/-0.000 χ^2/NDF: 15694644.1/54

reg_asym_usr_atr2_avg_mean vs Slug



Right In: 3072.145+/-401.610 χ^2/NDF: 14.5/27

Left Out: 1646.402+/-349.758 χ^2/NDF:21.0/24

Right Out: -1850.033+/-388.981 χ^2/NDF: 27.6/31

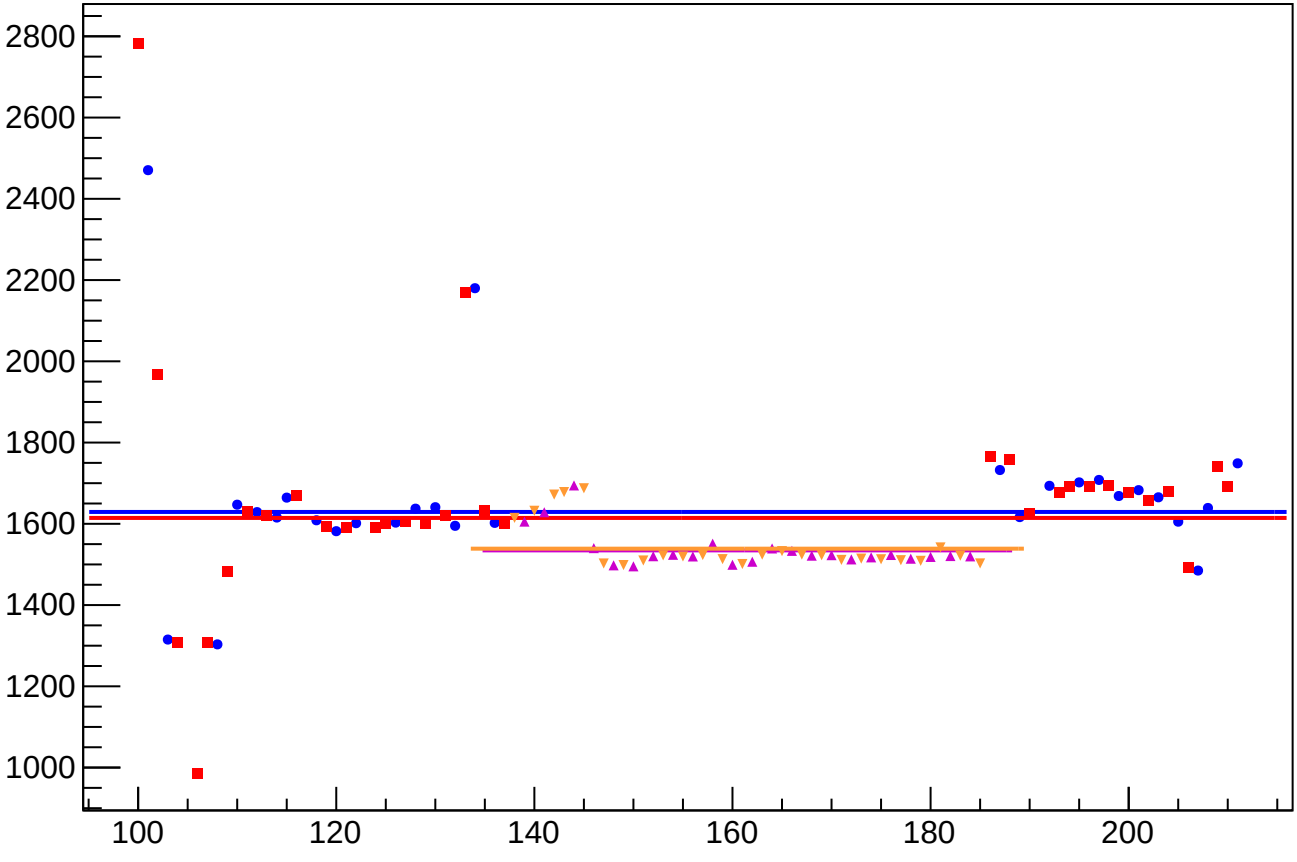
Left In: -2740.924+/-358.458 χ^2/NDF:16.4/22

+ sign 2261.351+/-263.756 χ^2/NDF: 42.7/52

All: -36.592+/-186.448 χ^2/NDF: 241.2/107

- sign -2331.799+/-263.599 χ^2/NDF: 46.9/54

reg_asym_usr_atr2_avg_rms vs Slug



Right In: 1629.199+/-0.284 χ^2/NDF: 360769.1/27

Left Out: 1538.810+/-0.247 χ^2/NDF:47056.2/24

Right Out: 1614.481+/-0.273 χ^2/NDF: 469296.3/31

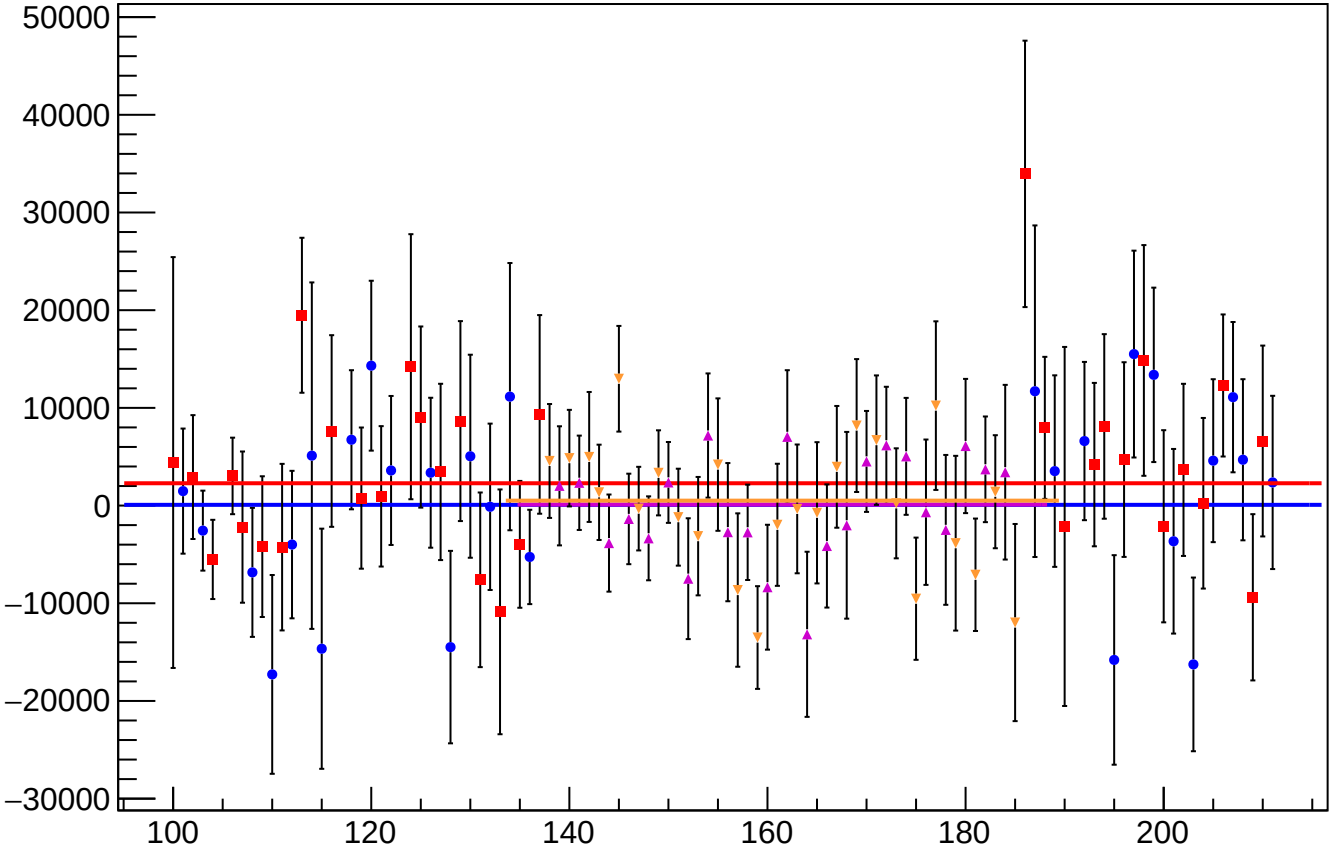
Left In: 1534.615+/-0.253 χ^2/NDF:31120.6/22

+ sign 1577.796+/-0.187 χ^2/NDF: 465438.8/52

All: 1574.679+/-0.132 χ^2/NDF: 1012374.0/10

- sign 1571.587+/-0.186 χ^2/NDF: 546378.9/54

asym_usr_atr2_avg_reg_correction_mean vs Slug



Right In: 74.162+/-1516.954 χ^2/NDF: 28.6/27

Left Out: 503.846+/-1187.304 χ^2/NDF:26.8/24

Right Out: 2284.398+/-1402.451 χ^2/NDF: 27.9/31

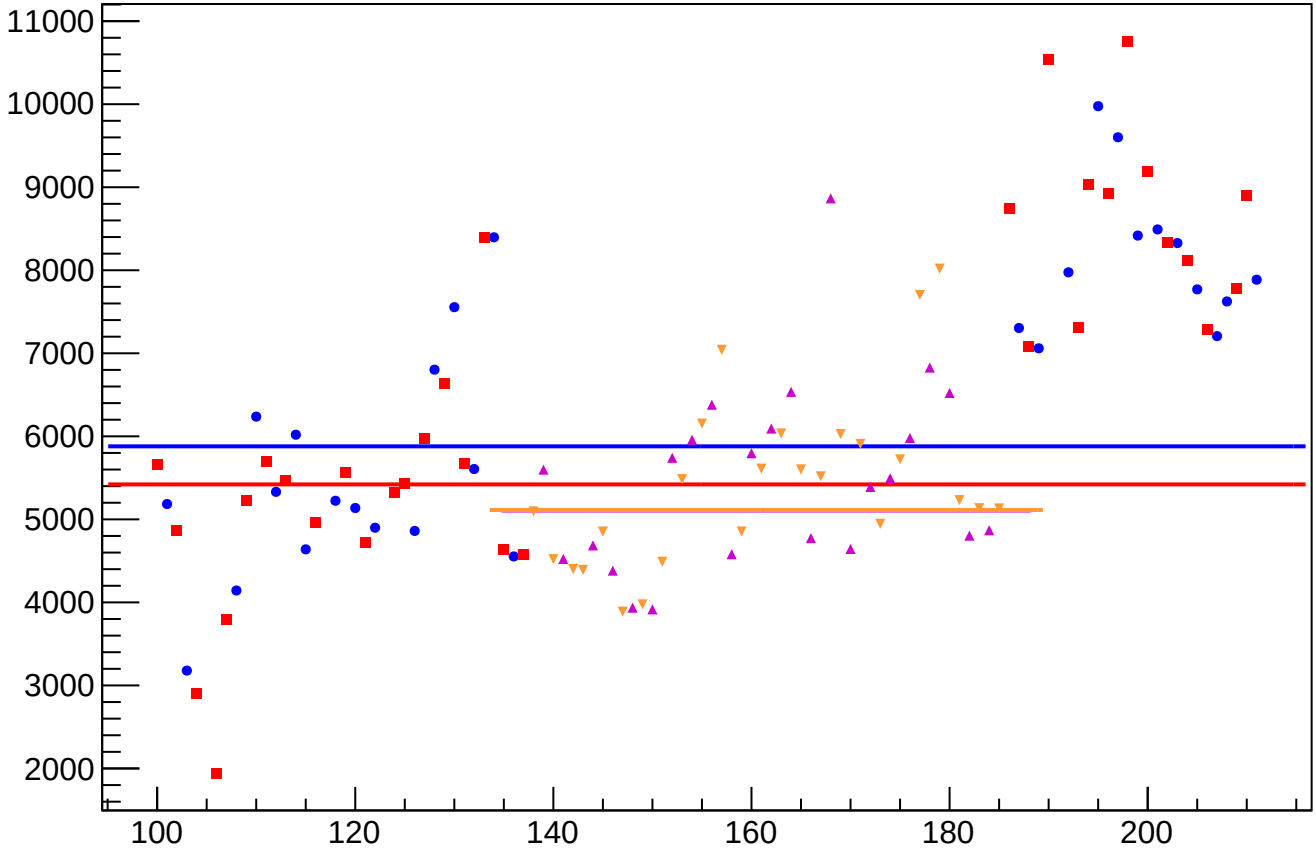
Left In: 97.910+/-1217.585 χ^2/NDF:14.9/22

+ sign 340.616+/-934.971 χ^2/NDF: 55.4/52

All: 694.972+/-655.559 χ^2/NDF: 99.9/107

- sign 1037.642+/-919.425 χ^2/NDF: 44.2/54

asym_usr_atr2_avg_reg_correction_rms vs Slug



Right In: 5879.406+/-1.073 χ^2/NDF: 2992425.1/27

Left Out: 5112.954+/-0.840 χ^2/NDF:1159010.4/24

Right Out: 5420.945+/-0.992 χ^2/NDF: 5346320.7/31

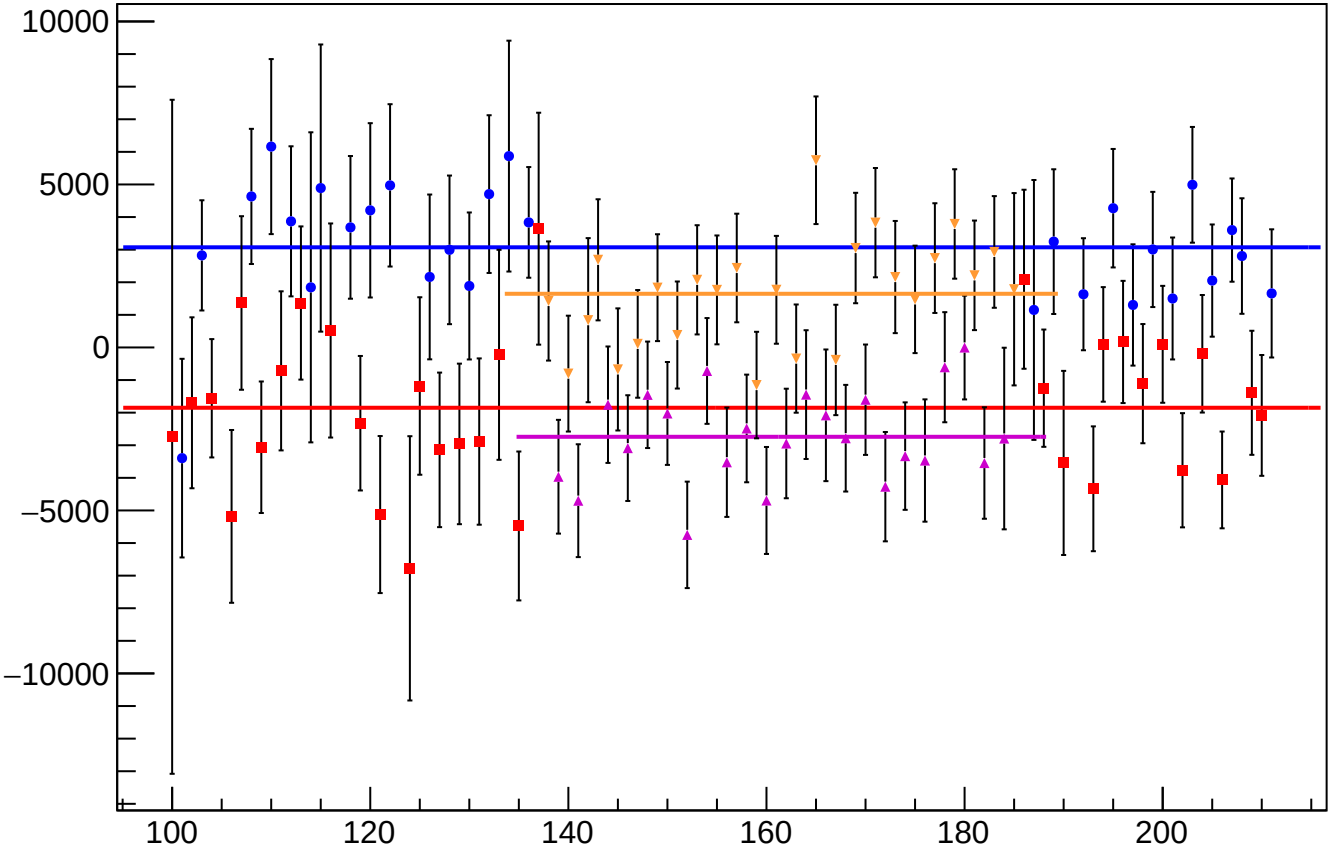
Left In: 5106.386+/-0.861 χ^2/NDF:1251622.3/22

+ sign 5404.117+/-0.661 χ^2/NDF: 4468048.1/52

All: 5321.486+/-0.464 χ^2/NDF: 11154089.7/1

- sign 5241.581+/-0.650 χ^2/NDF: 6655314.1/54

cor_asym_usr_atr2_avg_mean vs Slug



Right In: 3072.031+/-401.610 χ^2/NDF: 14.5/27

Left Out: 1646.294+/-349.758 χ^2/NDF:21.0/24

Right Out: -1850.048+/-388.982 χ^2/NDF: 27.6/31

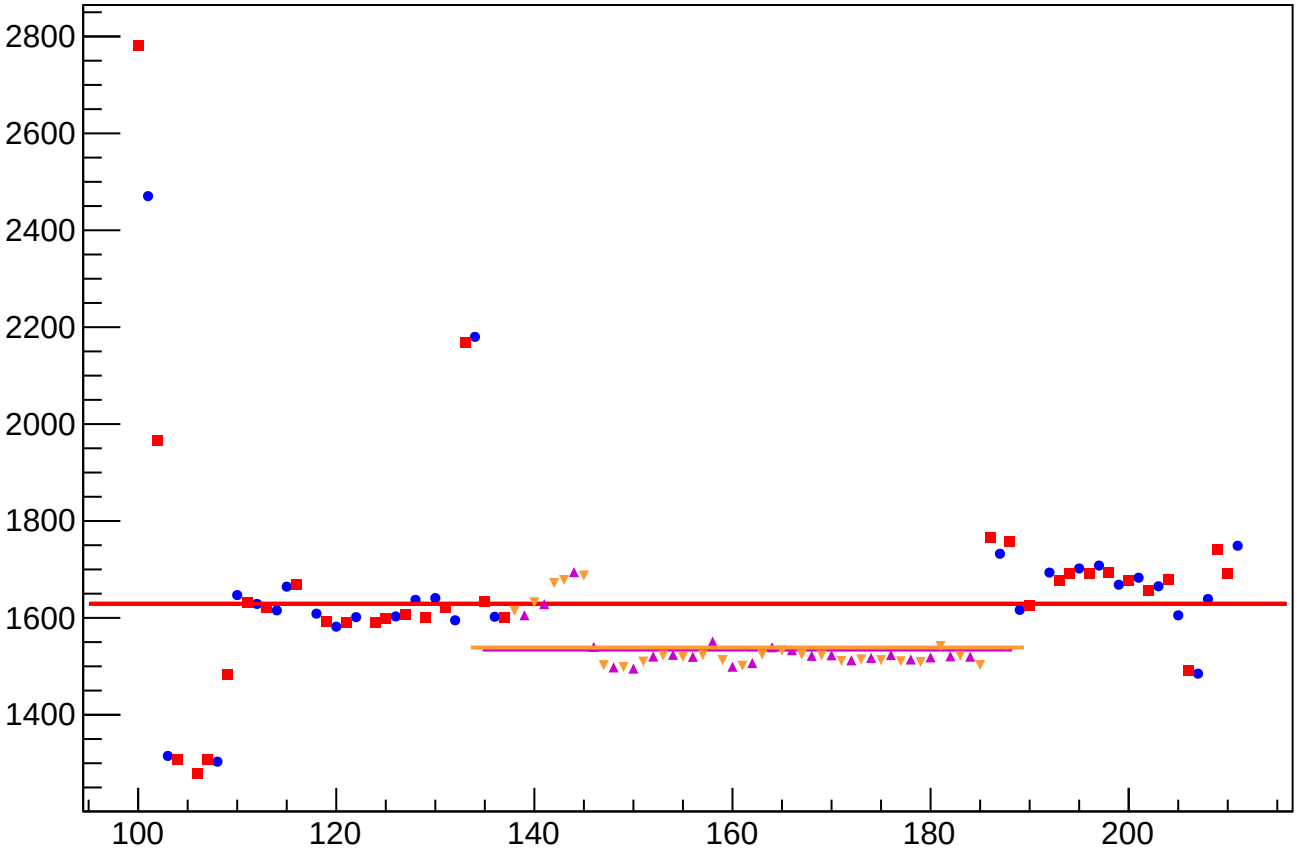
Left In: -2740.826+/-358.458 χ^2/NDF:16.4/22

+ sign 2261.240+/-263.756 χ^2/NDF: 42.7/52

All: -36.622+/-186.448 χ^2/NDF: 241.2/107

- sign -2331.754+/-263.600 χ^2/NDF: 46.9/54

cor_asym_usr_atr2_avg_rms vs Slug



Right In: 1629.199+/-0.284 χ^2/NDF: 360768.2/27

Left Out: 1538.810+/-0.247 χ^2/NDF:47056.2/24

Right Out: 1628.966+/-0.275 χ^2/NDF: 313329.7/31

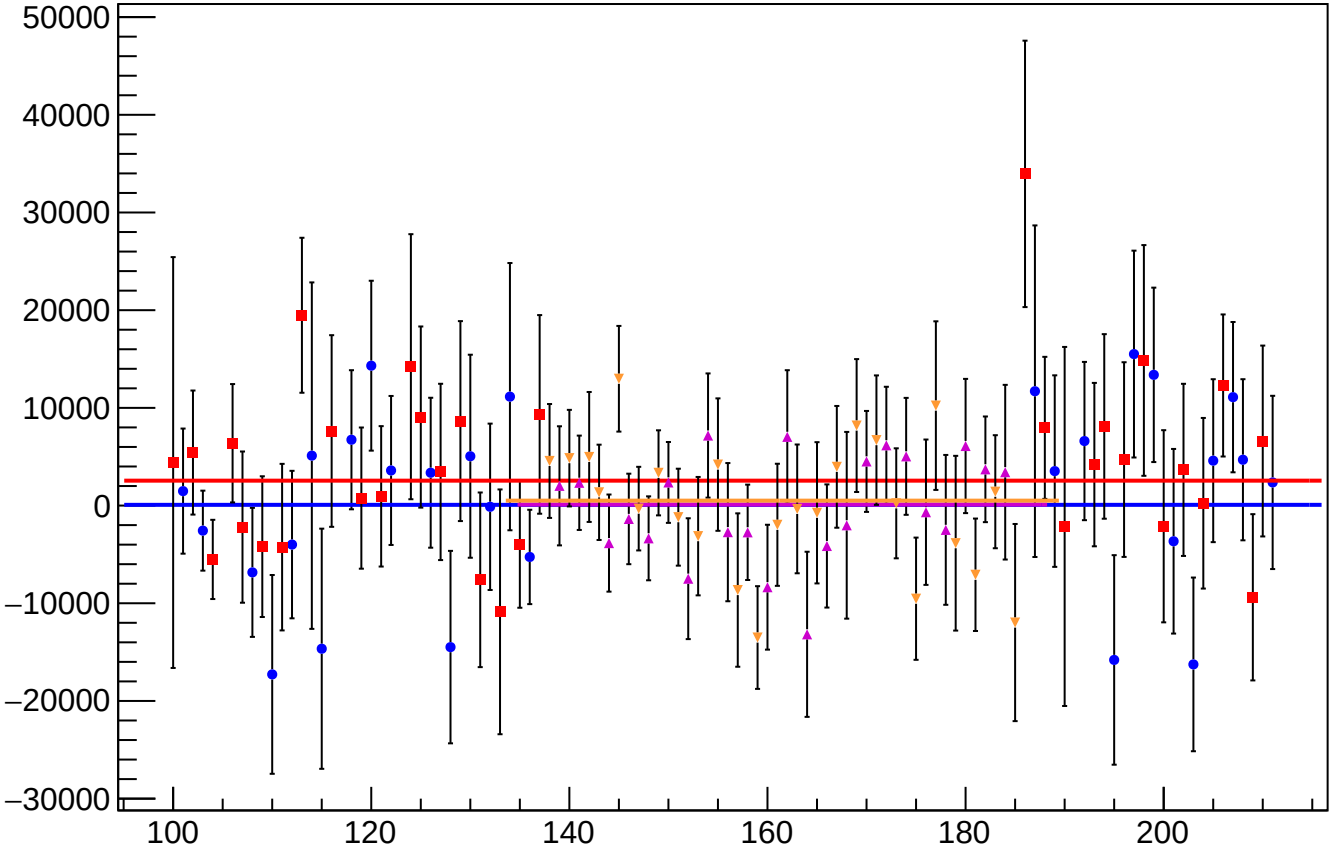
Left In: 1534.615+/-0.253 χ^2/NDF:31120.6/22

+ sign 1577.796+/-0.187 χ^2/NDF: 465438.0/52

All: 1577.911+/-0.132 χ^2/NDF: 873640.6/107

- sign 1578.025+/-0.186 χ^2/NDF: 408201.8/54

asym_usr_atr2_avg_cor_correction_mean vs Slug



Right In: 74.105+/-1516.975 χ^2/NDF: 28.6/27

Left Out: 503.849+/-1187.302 χ^2/NDF:26.8/24

Right Out: 2550.059+/-1458.011 χ^2/NDF: 28.6/31

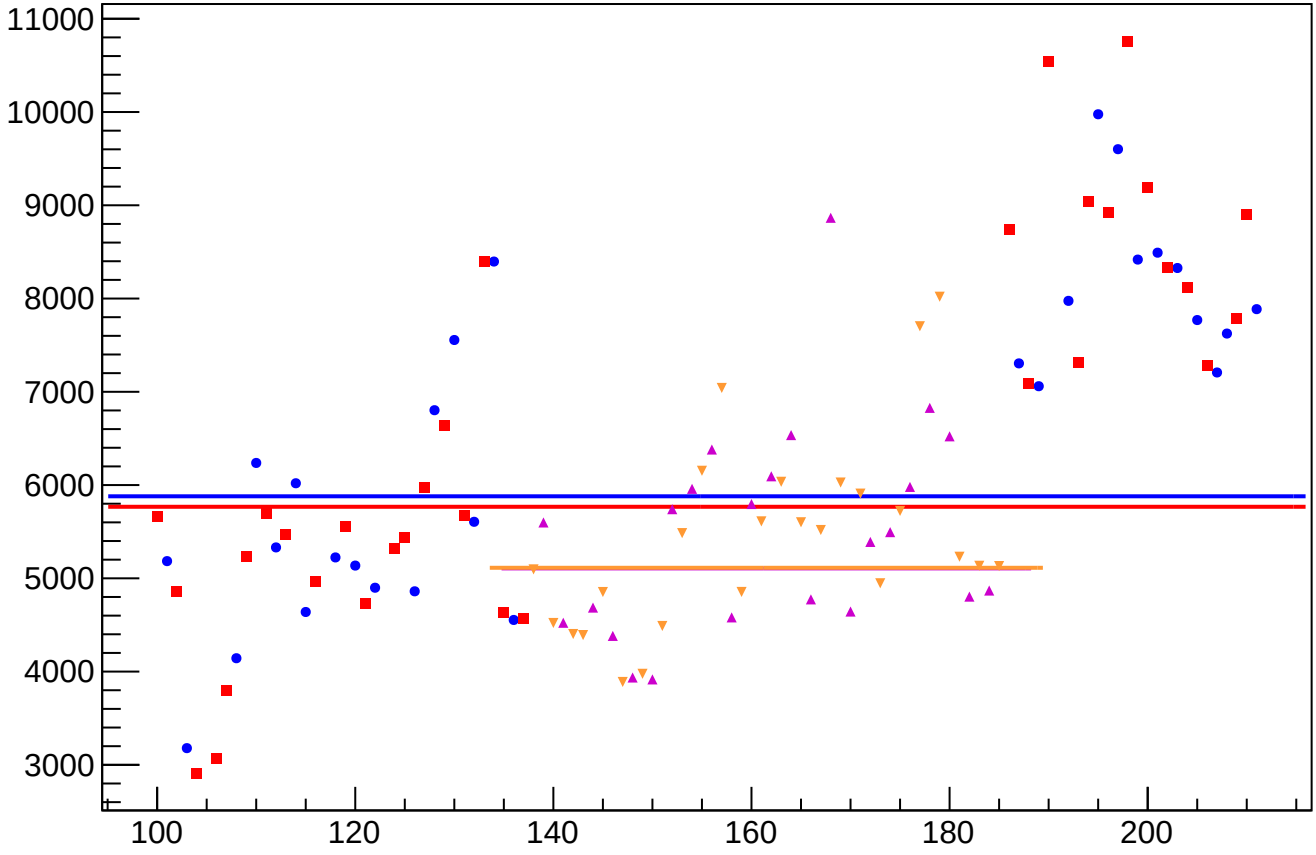
Left In: 97.930+/-1217.585 χ^2/NDF:14.9/22

+ sign 340.599+/-934.975 χ^2/NDF: 55.4/52

All: 723.175+/-660.981 χ^2/NDF: 100.9/107

- sign 1105.413+/-934.562 χ^2/NDF: 45.1/54

asym_usr_atr2_avg_cor_correction_rms vs Slug



Right In: 5879.527+/-1.073 χ^2/NDF: 2992032.8/27

Left Out: 5112.947+/-0.840 χ^2/NDF:1159023.2/24

Right Out: 5767.147+/-1.031 χ^2/NDF: 3954746.5/31

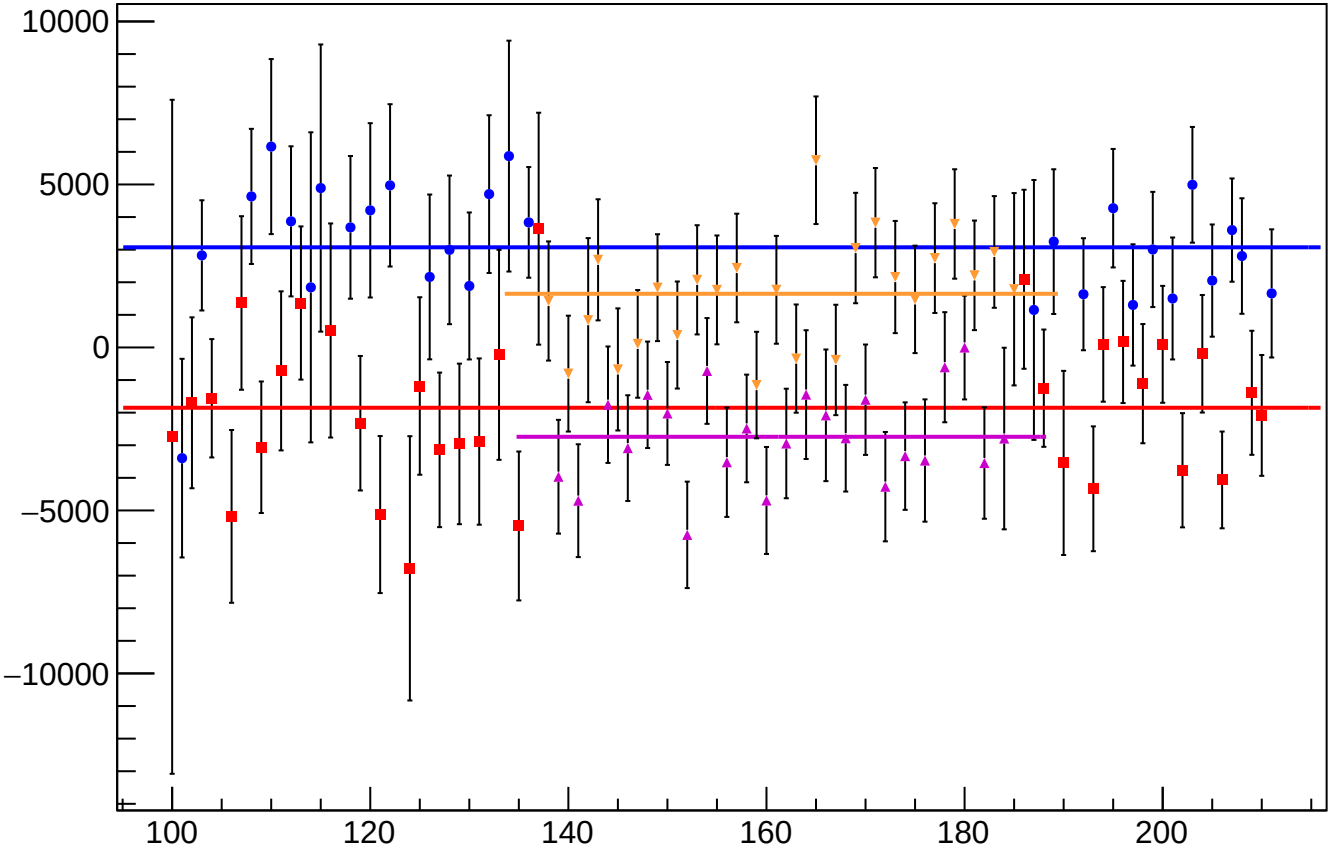
Left In: 5106.384+/-0.861 χ^2/NDF:1251622.9/22

+ sign 5404.153+/-0.661 χ^2/NDF: 4467769.5/52

All: 5391.004+/-0.467 χ^2/NDF: 9916931.4/10

- sign 5377.866+/-0.661 χ^2/NDF: 5448371.1/54

eigen_cor_asym_usr_atr2_avg_mean vs Slug



Right In: 3072.031+/-401.610 χ^2/NDF: 14.5/27

Left Out: 1646.294+/-349.758 χ^2/NDF:21.0/24

Right Out: -1850.048+/-388.982 χ^2/NDF: 27.6/31

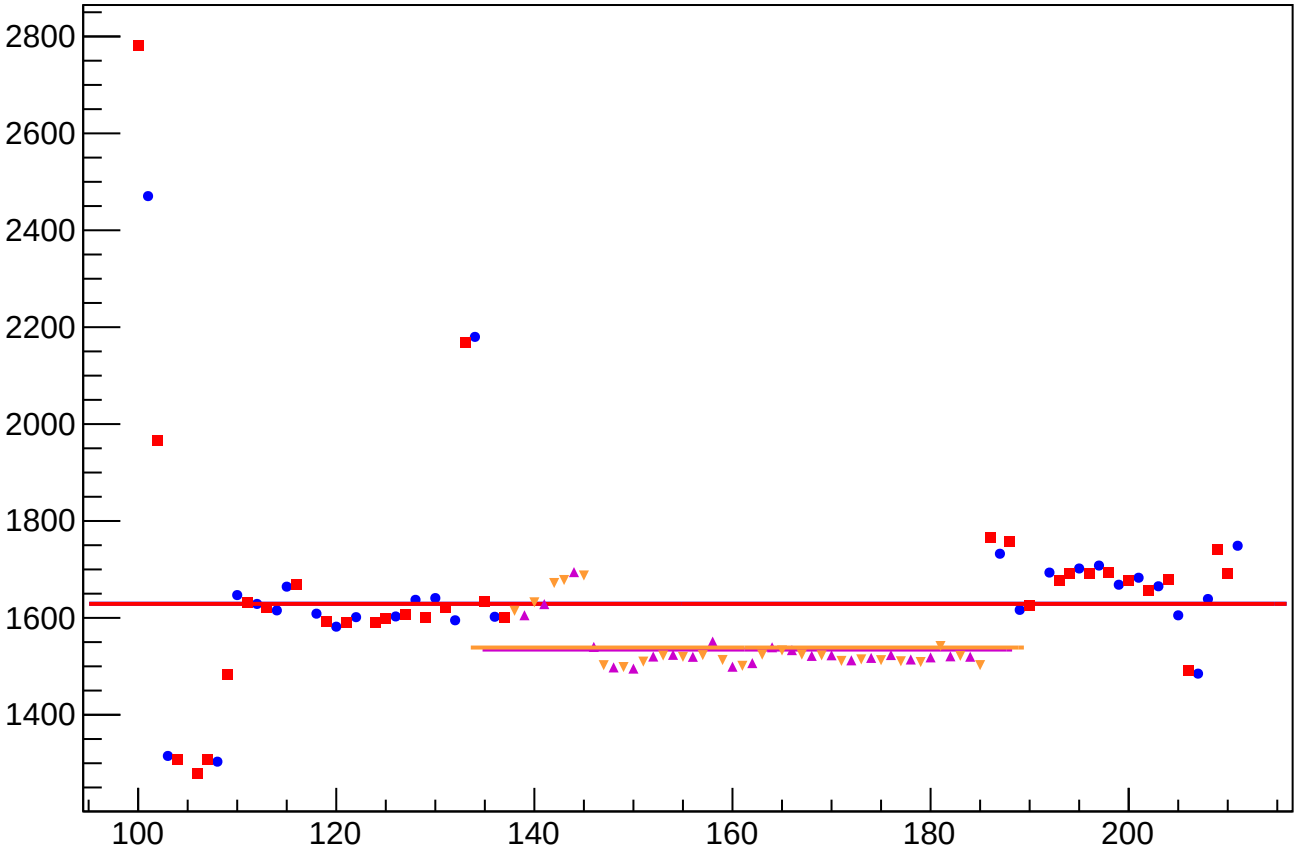
Left In: -2740.826+/-358.458 χ^2/NDF:16.4/22

+ sign 2261.240+/-263.756 χ^2/NDF: 42.7/52

All: -36.622+/-186.448 χ^2/NDF: 241.2/107

- sign -2331.754+/-263.600 χ^2/NDF: 46.9/54

eigen_cor_asym_usr_atr2_avg_rms vs Slug



Right In: 1629.199+/-0.284 χ^2/NDF: 360768.2/27

Left Out: 1538.810+/-0.247 χ^2/NDF:47056.2/24

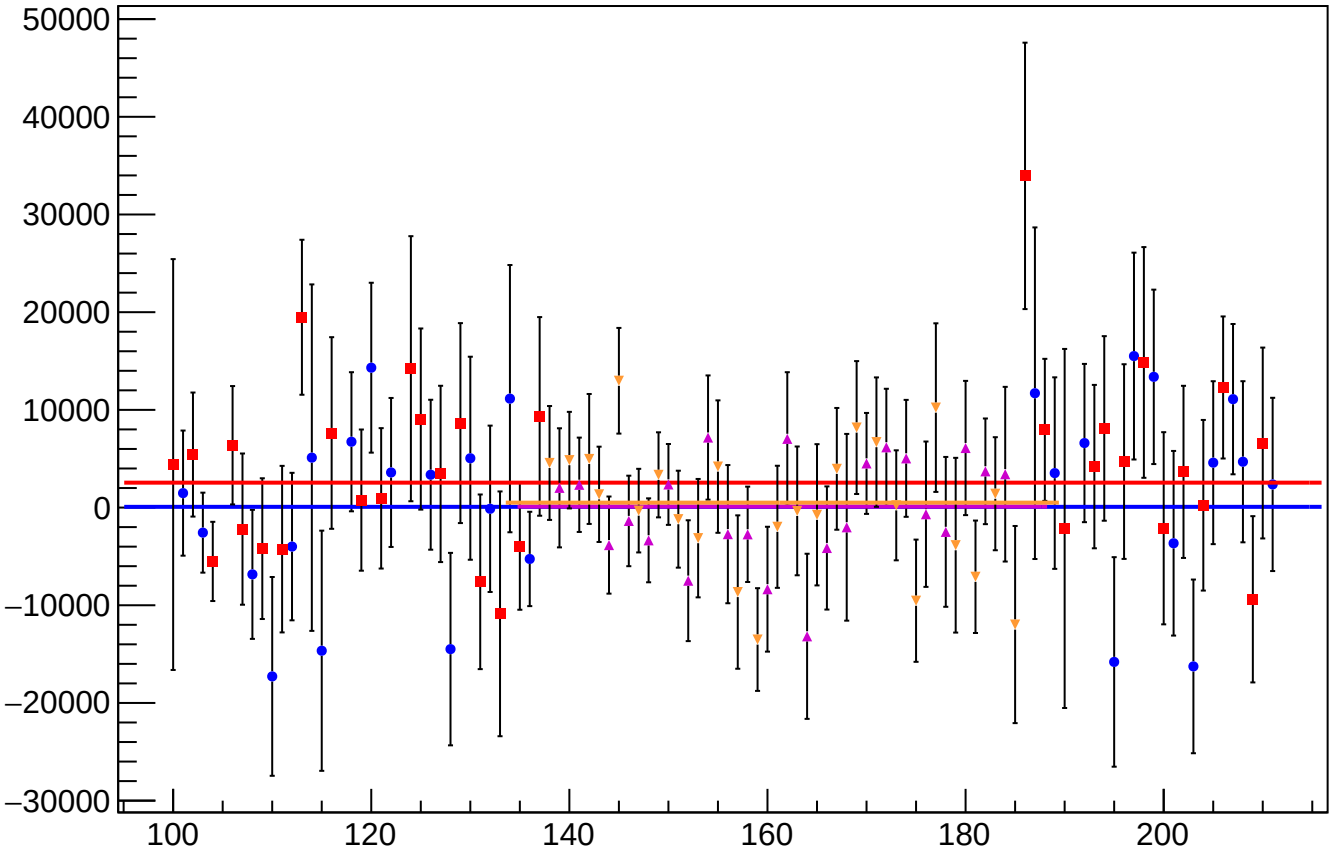
Right Out: 1628.966+/-0.275 χ^2/NDF: 313329.7/31

Left In: 1534.615+/-0.253 χ^2/NDF:31120.6/22

+ sign 1577.796+/-0.187 χ^2/NDF: 465438.0/52

All: 1577.911+/-0.132 χ^2/NDF: 873640.6/107

- sign 1578.025+/-0.186 χ^2/NDF: 408201.8/54



Right In: 74.105+/-1516.975 χ^2/NDF: 28.6/27

Left Out: 503.849+/-1187.302 χ^2/NDF:26.8/24

Right Out: 2550.059+/-1458.011 χ^2/NDF: 28.6/31

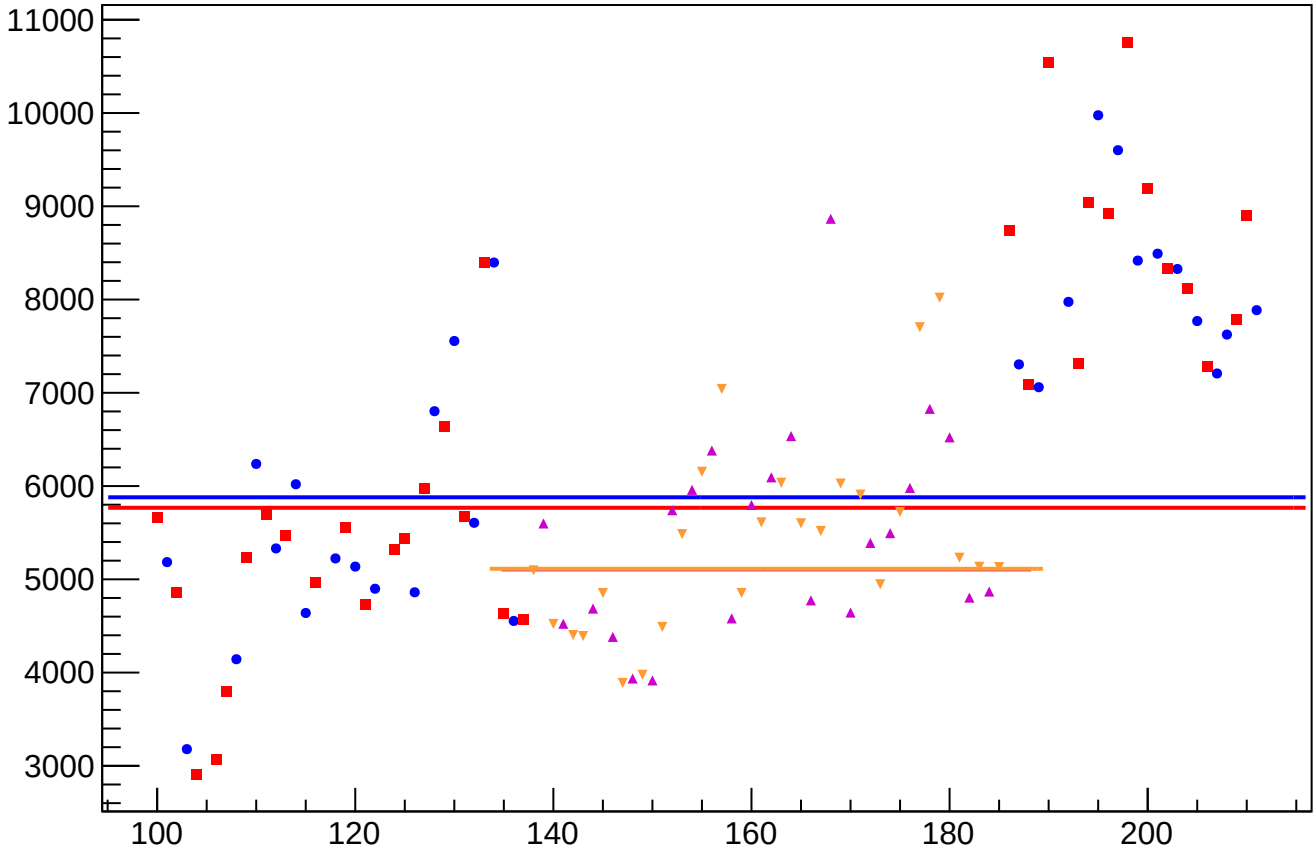
Left In: 97.930+/-1217.585 χ^2/NDF:14.9/22

+ sign 340.599+/-934.975 χ^2/NDF: 55.4/52

All: 723.175+/-660.981 χ^2/NDF: 100.9/107

- sign 1105.413+/-934.562 χ^2/NDF: 45.1/54

asym_usr_atr2_avg_eigen_cor_correction_rms vs Slug



Right In: 5879.527+/-1.073 χ^2/NDF: 2992032.8/27

Left Out: 5112.947+/-0.840 χ^2/NDF:1159023.2/24

Right Out: 5767.147+/-1.031 χ^2/NDF: 3954746.5/31

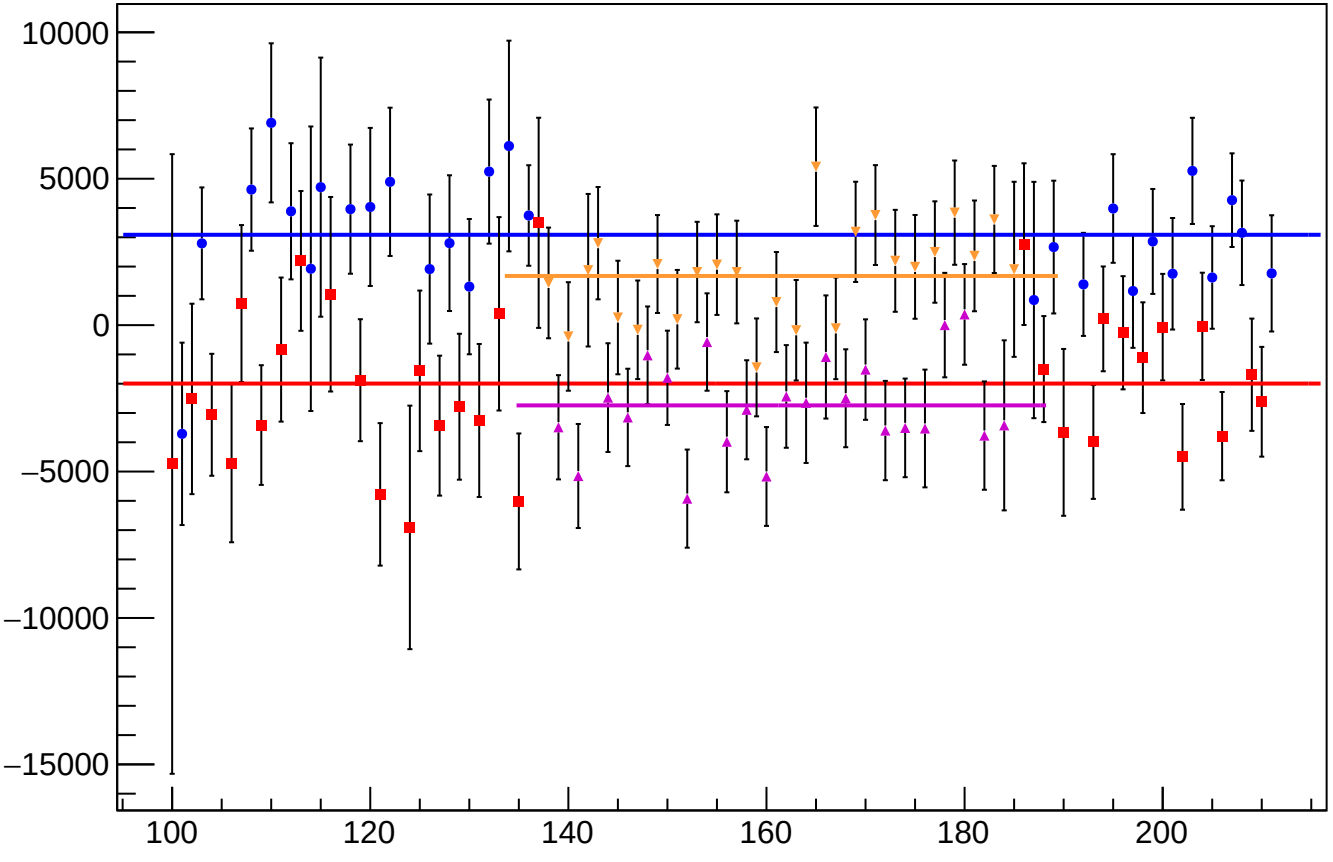
Left In: 5106.384+/-0.861 χ^2/NDF:1251622.9/22

+ sign 5404.153+/-0.661 χ^2/NDF: 4467769.5/52

All: 5391.004+/-0.467 χ^2/NDF: 9916931.4/10

- sign 5377.866+/-0.661 χ^2/NDF: 5448371.1/54

dit_asym_usr_atr2_avg_mean vs Slug



Right In: 3085.468+/-410.282 χ^2/NDF: 17.0/27

Left Out: 1679.163+/-362.391 χ^2/NDF:19.0/24

Right Out: -1994.796+/-398.478 χ^2/NDF: 30.2/31

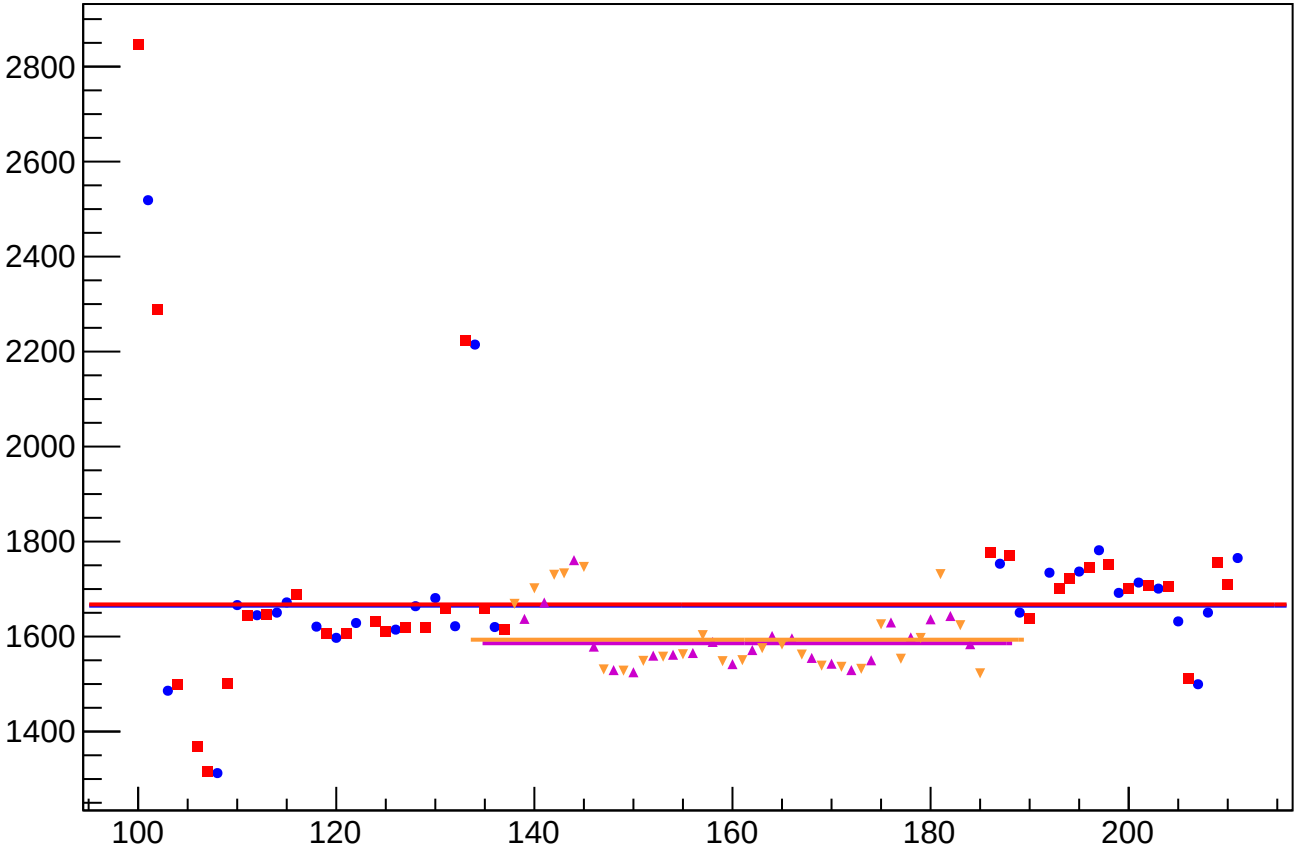
Left In: -2740.666+/-370.604 χ^2/NDF:19.2/22

+ sign 2295.486+/-271.611 χ^2/NDF: 42.5/52

All: -51.645+/-191.975 χ^2/NDF: 243.0/107

- sign -2394.728+/-271.376 χ^2/NDF: 51.2/54

dit_asym_usr_atr2_avg_rms vs Slug



Right In: 1665.053+/-0.290 χ^2/NDF: 321379.7/27

Left Out: 1593.388+/-0.256 χ^2/NDF:71876.4/24

Right Out: 1667.622+/-0.282 χ^2/NDF: 295132.7/31

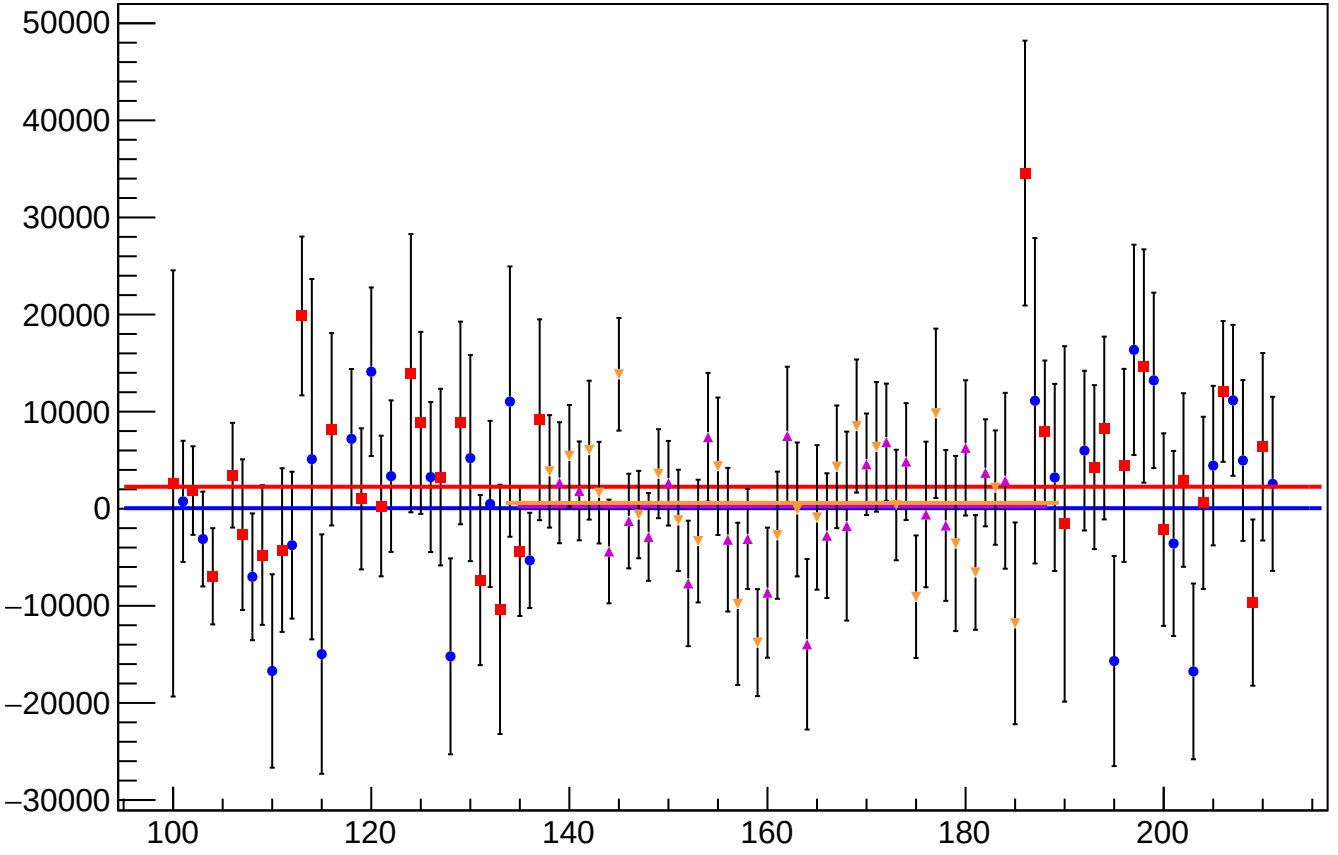
Left In: 1585.918+/-0.262 χ^2/NDF:41915.3/22

+ sign 1624.795+/-0.192 χ^2/NDF: 427534.5/52

All: 1624.311+/-0.136 χ^2/NDF: 809698.2/107

- sign 1623.828+/-0.192 χ^2/NDF: 382151.0/54

asym_usr_atr2_avg_dit_correction_mean vs Slug



Right In: 56.010+/-1555.897 χ^2/NDF: 28.5/27

Left Out: 601.820+/-1233.559 χ^2/NDF:26.0/24

Right Out: 2264.130+/-1450.612 χ^2/NDF: 27.8/31

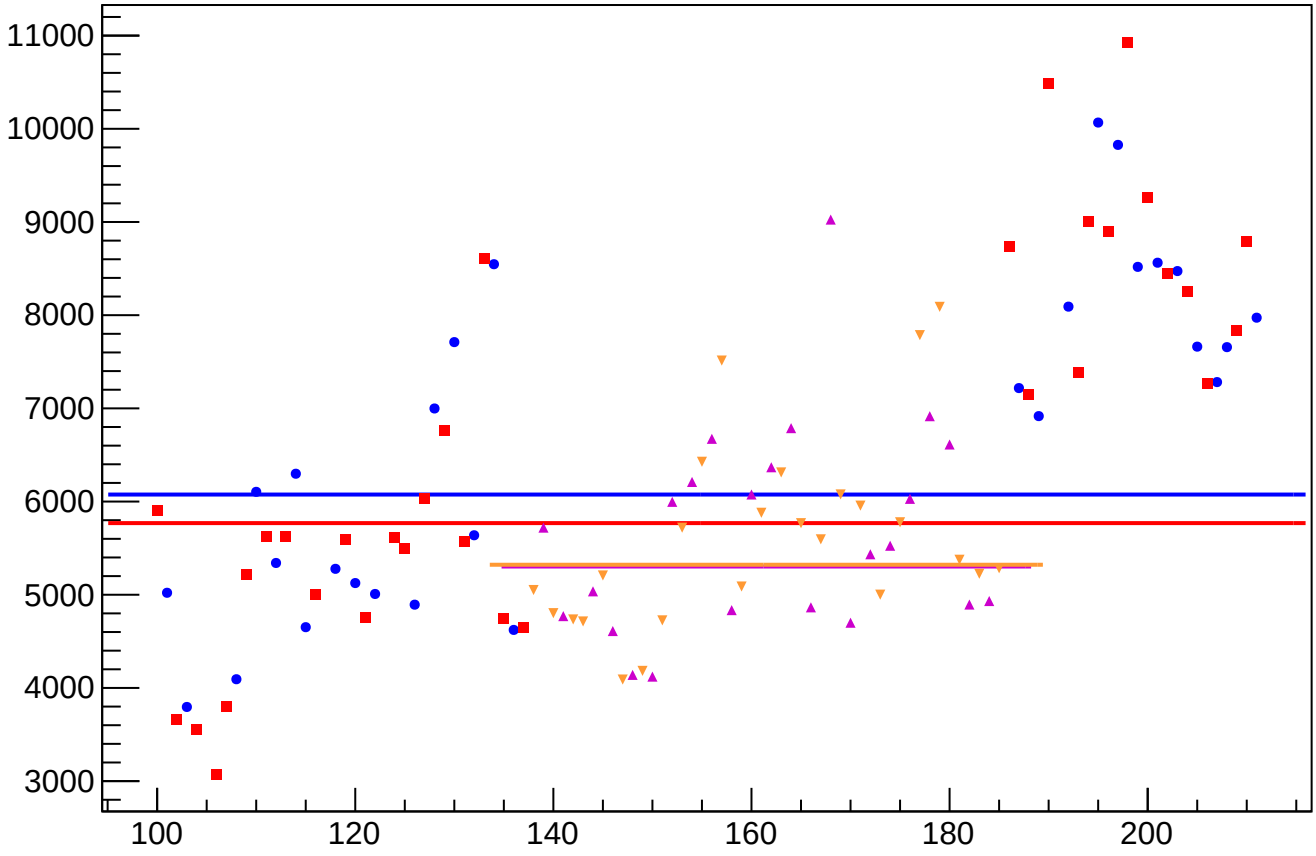
Left In: 255.905+/-1262.607 χ^2/NDF:14.6/22

\+ sign 391.156+/-966.620 χ^2/NDF: 54.6/52

All: 761.762+/-678.412 χ^2/NDF: 98.4/107

\- sign 1121.528+/-952.378 χ^2/NDF: 43.5/54

asym_usr_atr2_avg_dit_correction_rms vs Slug



Right In: 6075.235+/-1.100 χ^2/NDF: 2529169.0/27

Left Out: 5321.956+/-0.872 χ^2/NDF:1037009.2/24

Right Out: 5768.796+/-1.026 χ^2/NDF: 3868641.6/31

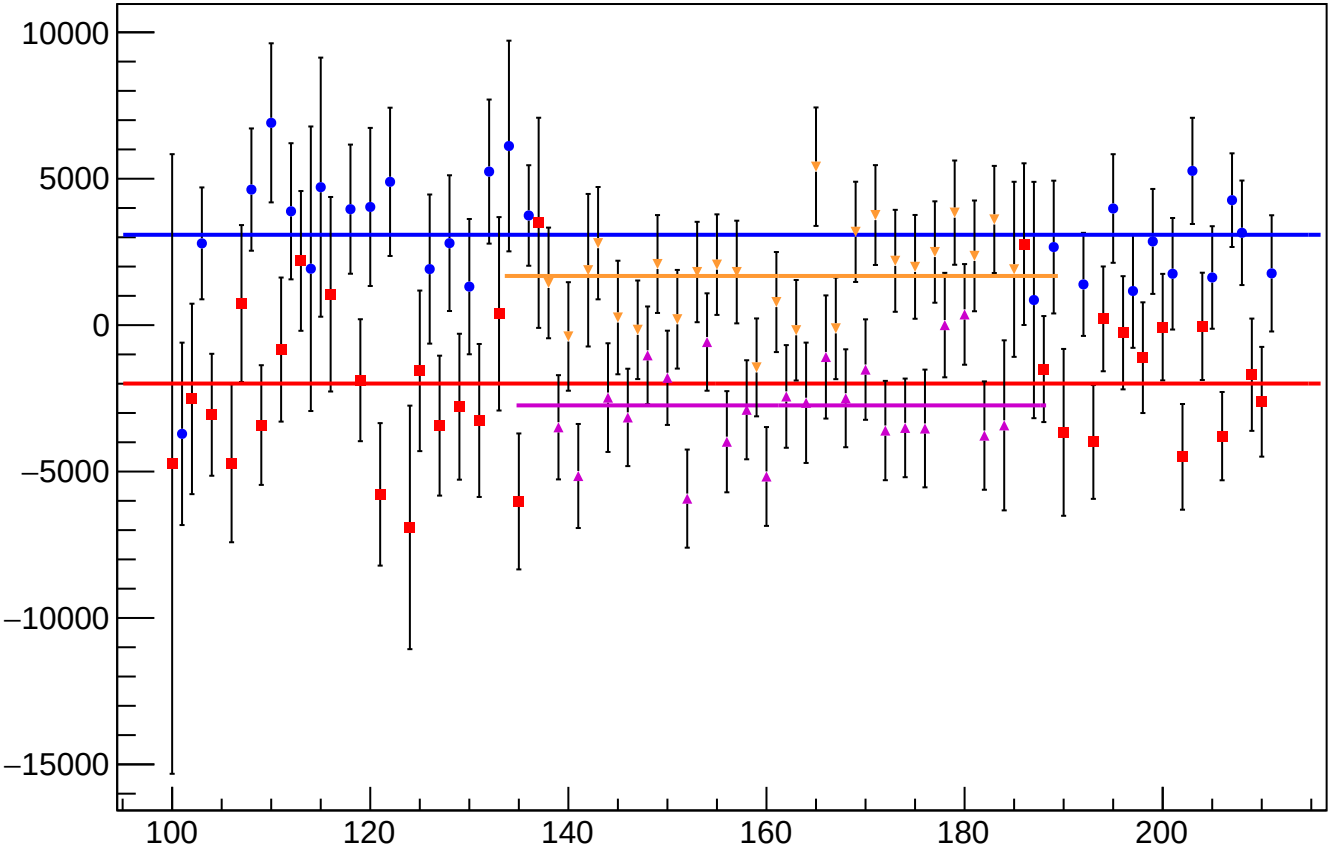
Left In: 5302.849+/-0.893 χ^2/NDF:1152376.1/22

+ sign 5612.696+/-0.684 χ^2/NDF: 3854031.9/52

All: 5557.385+/-0.480 χ^2/NDF: 9005359.5/10

- sign 5503.690+/-0.673 χ^2/NDF: 5138421.7/54

eigen_dit_asym_usr_atr2_avg_mean vs Slug



Right In: 3085.467+/-410.282 χ^2/NDF: 17.0/27

Left Out: 1679.156+/-362.392 χ^2/NDF:19.0/24

Right Out: -1994.796+/-398.478 χ^2/NDF: 30.2/31

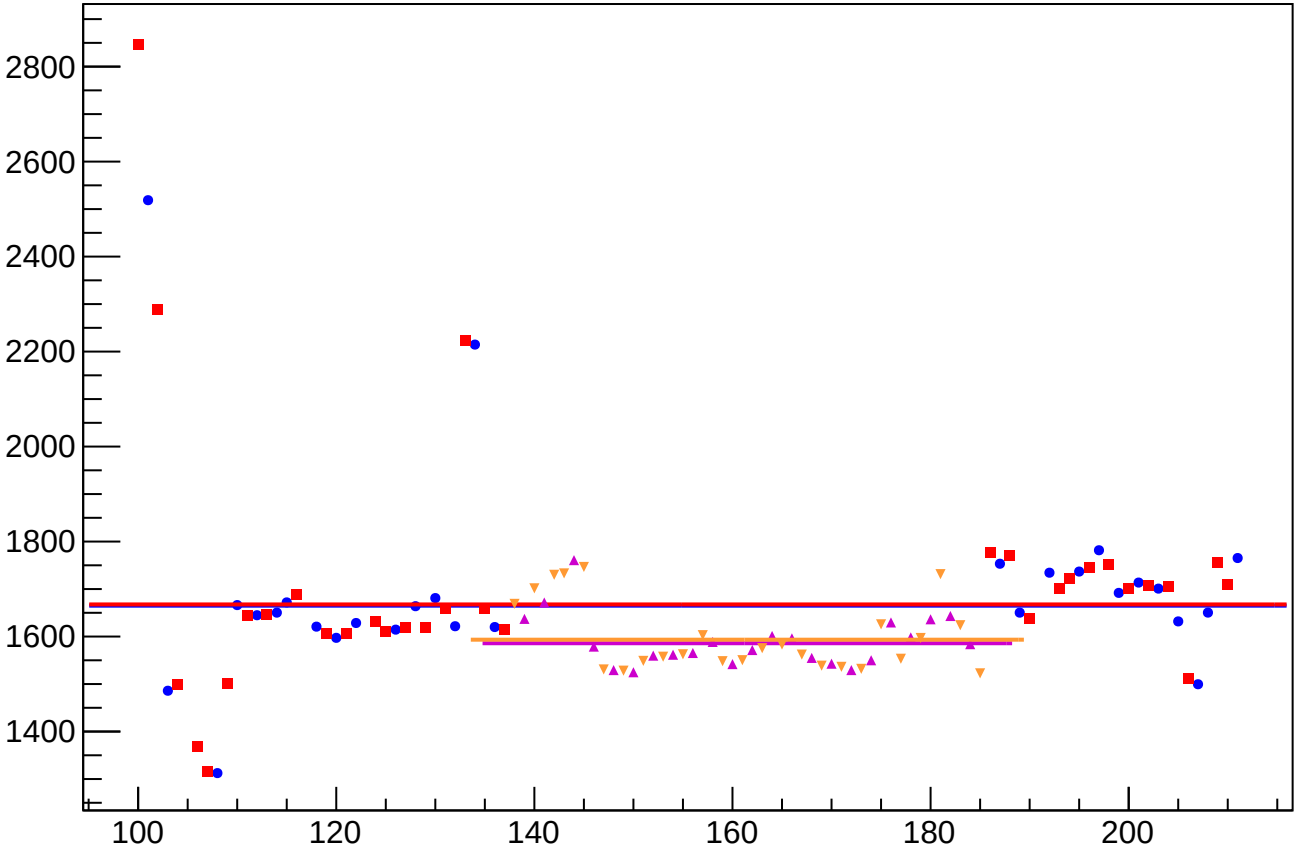
Left In: -2740.666+/-370.605 χ^2/NDF:19.2/22

+ sign 2295.482+/-271.611 χ^2/NDF: 42.5/52

All: -51.647+/-191.975 χ^2/NDF: 243.0/107

- sign -2394.728+/-271.376 χ^2/NDF: 51.2/54

eigen_dit_asym_usr_atr2_avg_rms vs Slug



Right In: 1665.053+/-0.290 χ^2/NDF: 321380.0/27

Left Out: 1593.388+/-0.256 χ^2/NDF:71876.3/24

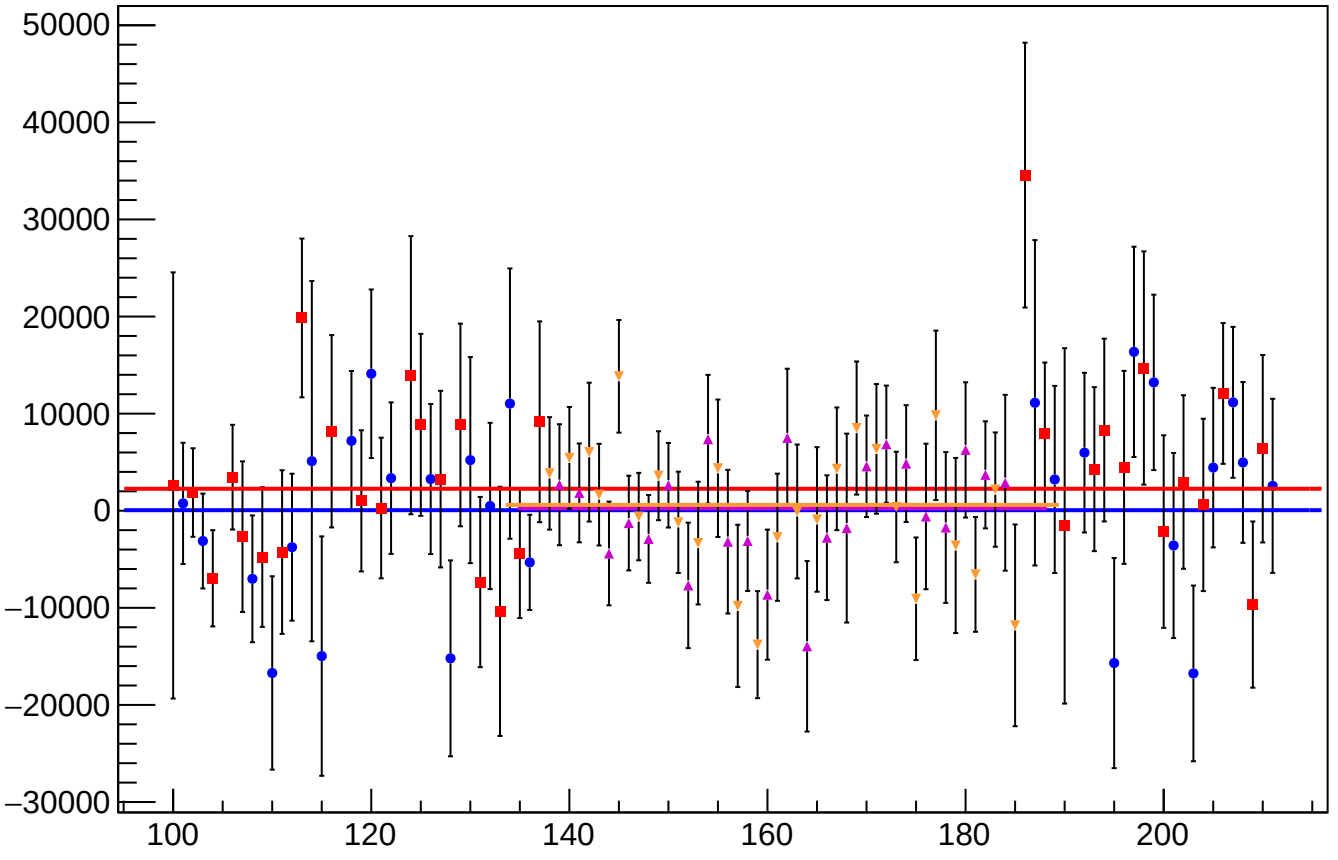
Right Out: 1667.622+/-0.282 χ^2/NDF: 295132.8/31

Left In: 1585.919+/-0.262 χ^2/NDF:41915.1/22

+ sign 1624.796+/-0.192 χ^2/NDF: 427533.6/52

All: 1624.312+/-0.136 χ^2/NDF: 809695.9/107

- sign 1623.829+/-0.192 χ^2/NDF: 382149.6/54



Right In: 56.015+/-1555.896 χ^2/NDF: 28.5/27

Left Out: 601.817+/-1233.561 χ^2/NDF:26.0/24

Right Out: 2264.127+/-1450.611 χ^2/NDF: 27.8/31

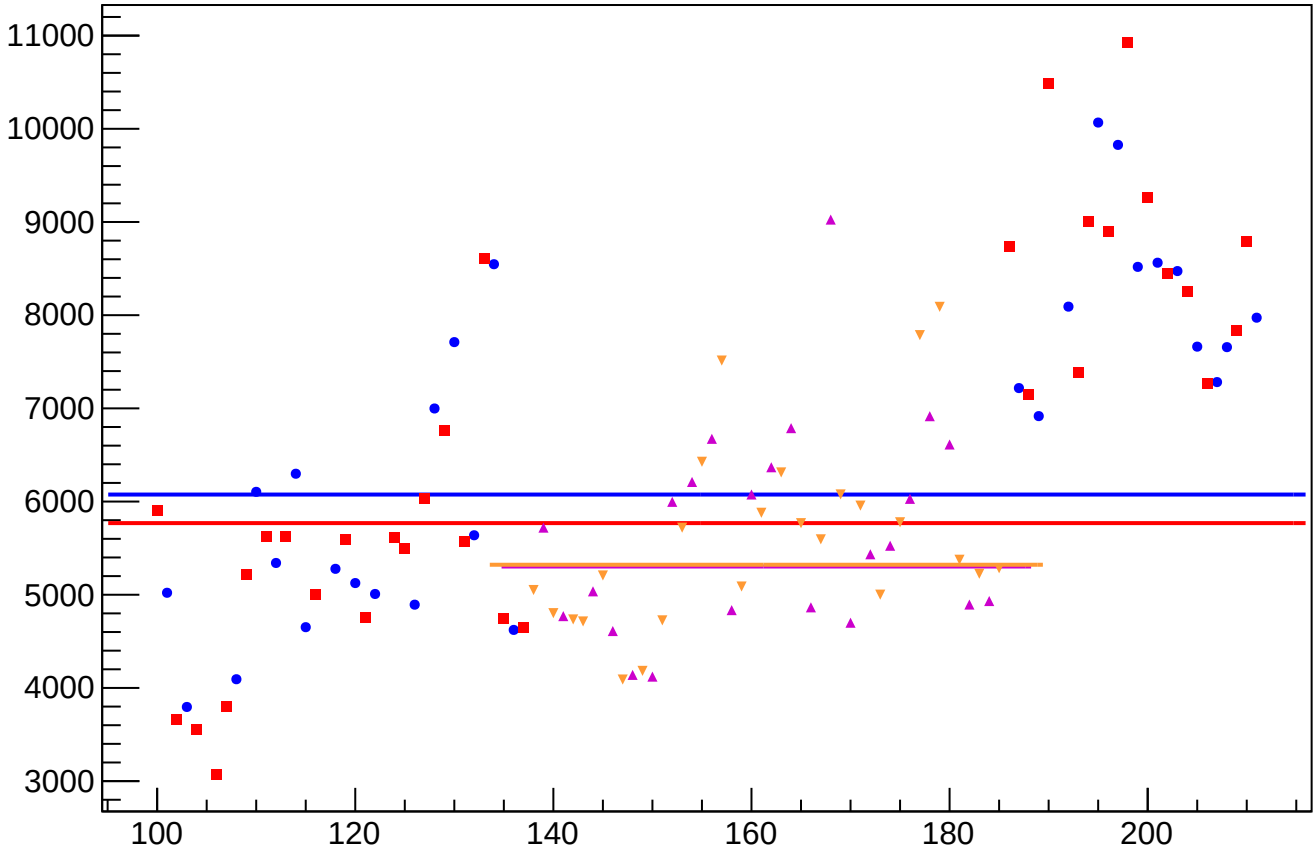
Left In: 255.907+/-1262.609 χ^2/NDF:14.6/22

\+ sign 391.155+/-966.621 χ^2/NDF: 54.6/52

All: 761.763+/-678.413 χ^2/NDF: 98.4/107

\- sign 1121.531+/-952.379 χ^2/NDF: 43.5/54

asym_usr_atr2_avg_eigen_dit_correction_rms vs Slug



Right In: 6075.231+/-1.100 χ^2/NDF: 2529184.0/27

Left Out: 5321.965+/-0.872 χ^2/NDF:1037011.4/24

Right Out: 5768.790+/-1.026 χ^2/NDF: 3868658.1/31

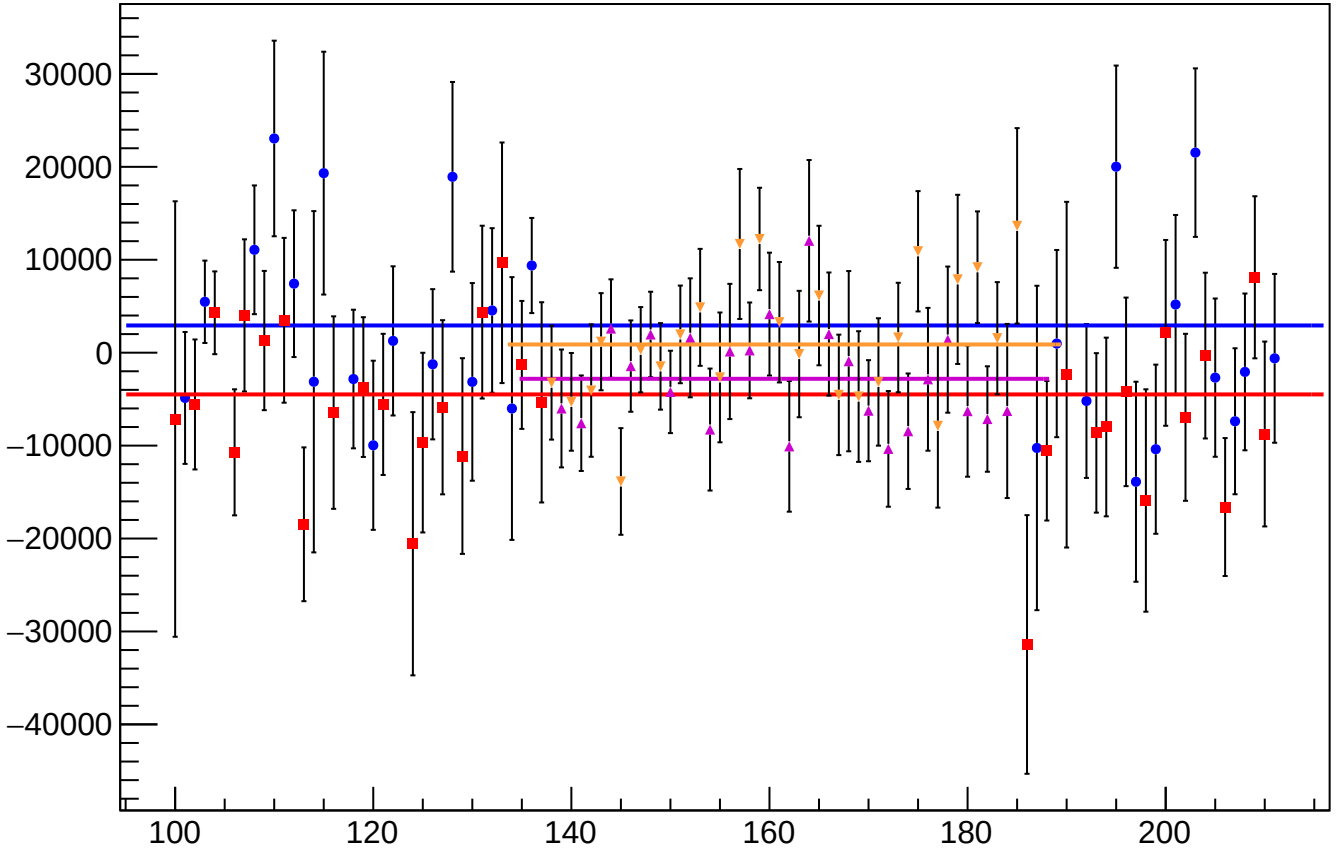
Left In: 5302.858+/-0.893 χ^2/NDF:1152380.1/22

+ sign 5612.701+/-0.684 χ^2/NDF: 3854038.6/52

All: 5557.389+/-0.480 χ^2/NDF: 9005379.6/10

- sign 5503.694+/-0.673 χ^2/NDF: 5138434.7/54

asym_usr_atr2_avg_mean vs Slug



Right In: 2928.957+/-1587.765 χ^2/NDF: 31.8/27

Left Out: 885.482+/-1246.500 χ^2/NDF:25.7/24

Right Out: -4491.379+/-1533.314 χ^2/NDF: 25.8/31

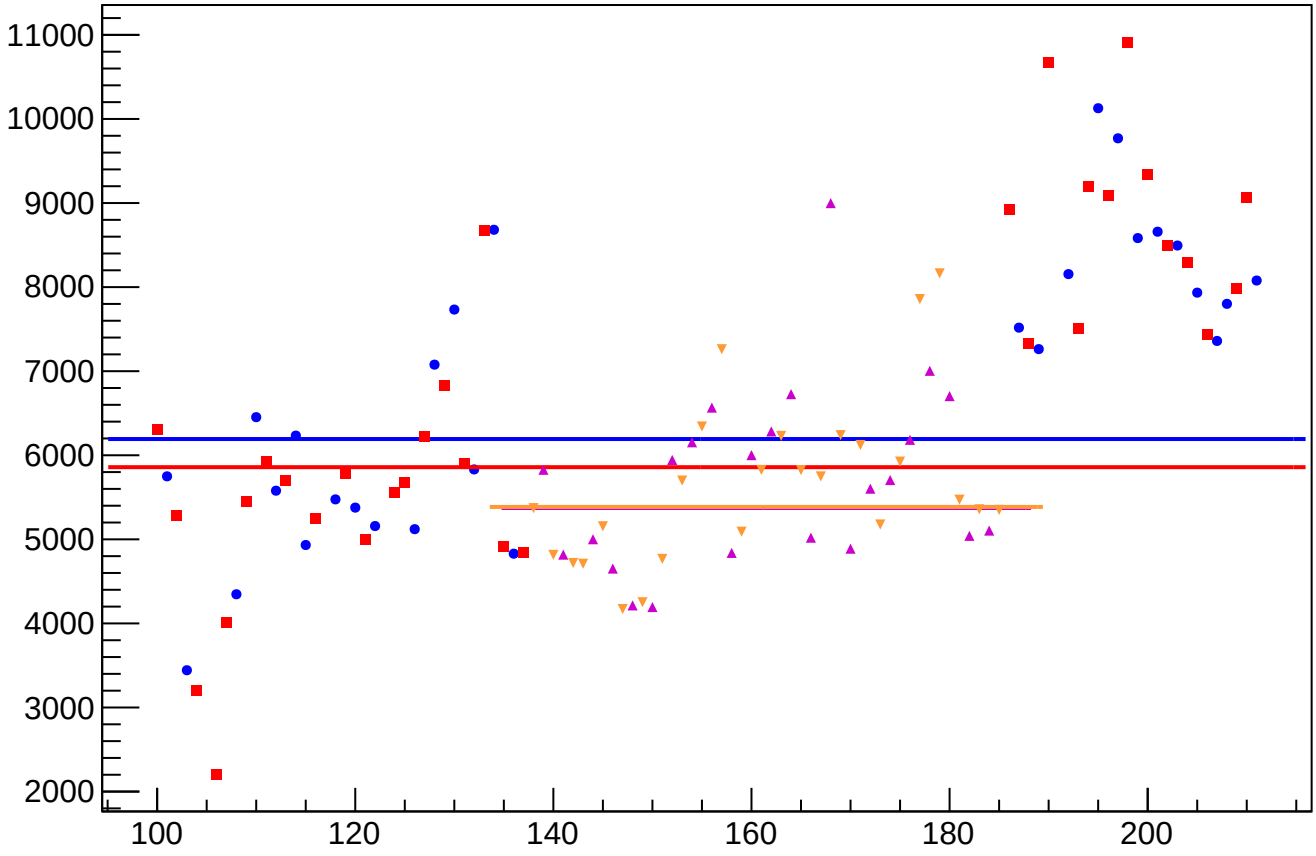
Left In: -2810.702+/-1277.225 χ^2/NDF:14.7/22

+ sign 1664.687+/-980.455 χ^2/NDF: 58.5/52

All: -914.854+/-693.606 χ^2/NDF: 113.6/107

- sign -3499.162+/-981.360 χ^2/NDF: 41.3/54

asym_usr_atr2_avg_rms vs Slug



Right In: 6193.115+/-1.123 χ^2/NDF: 2631806.0/27

Left Out: 5385.653+/-0.881 χ^2/NDF:987089.3/24

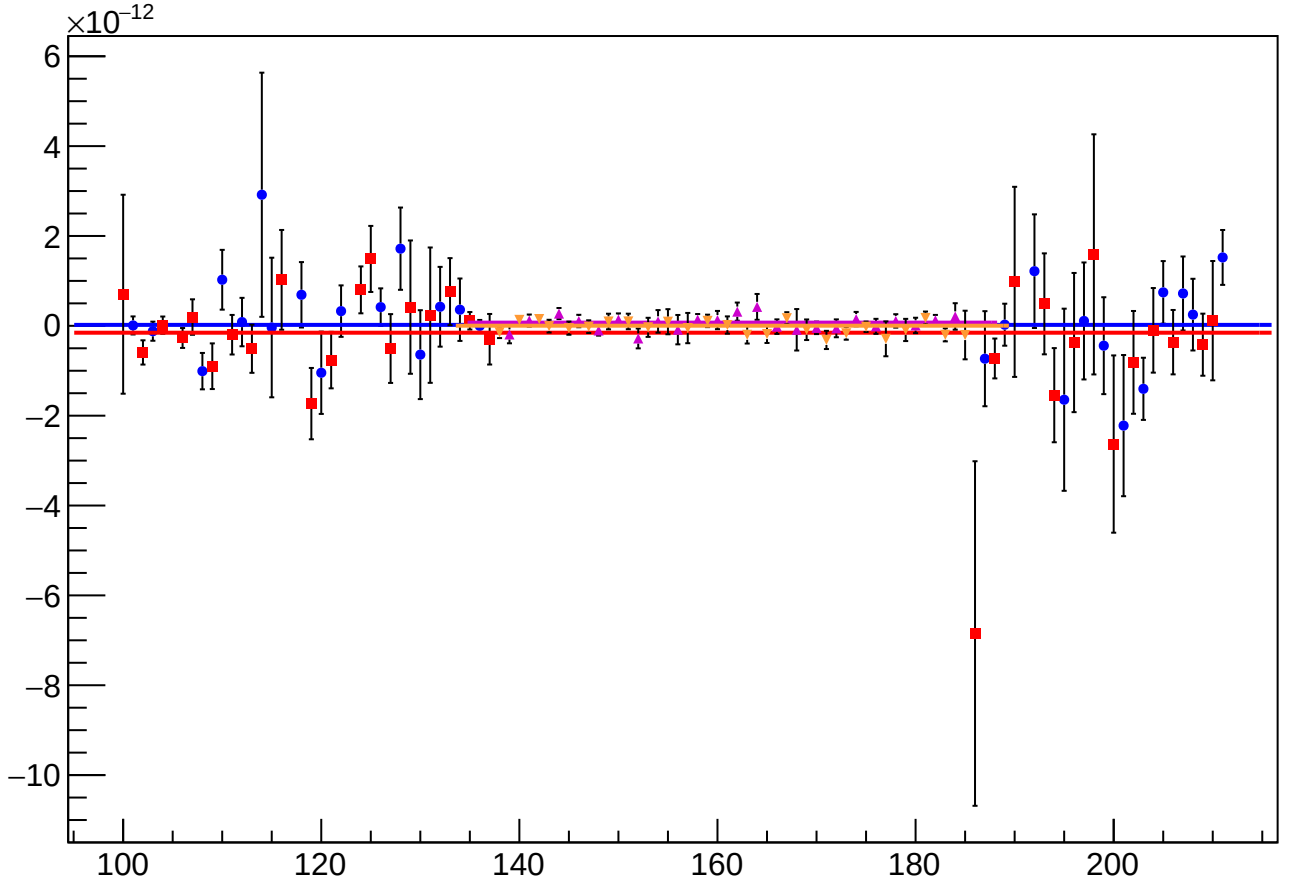
Right Out: 5858.330+/-1.056 χ^2/NDF: 4395604.6/31

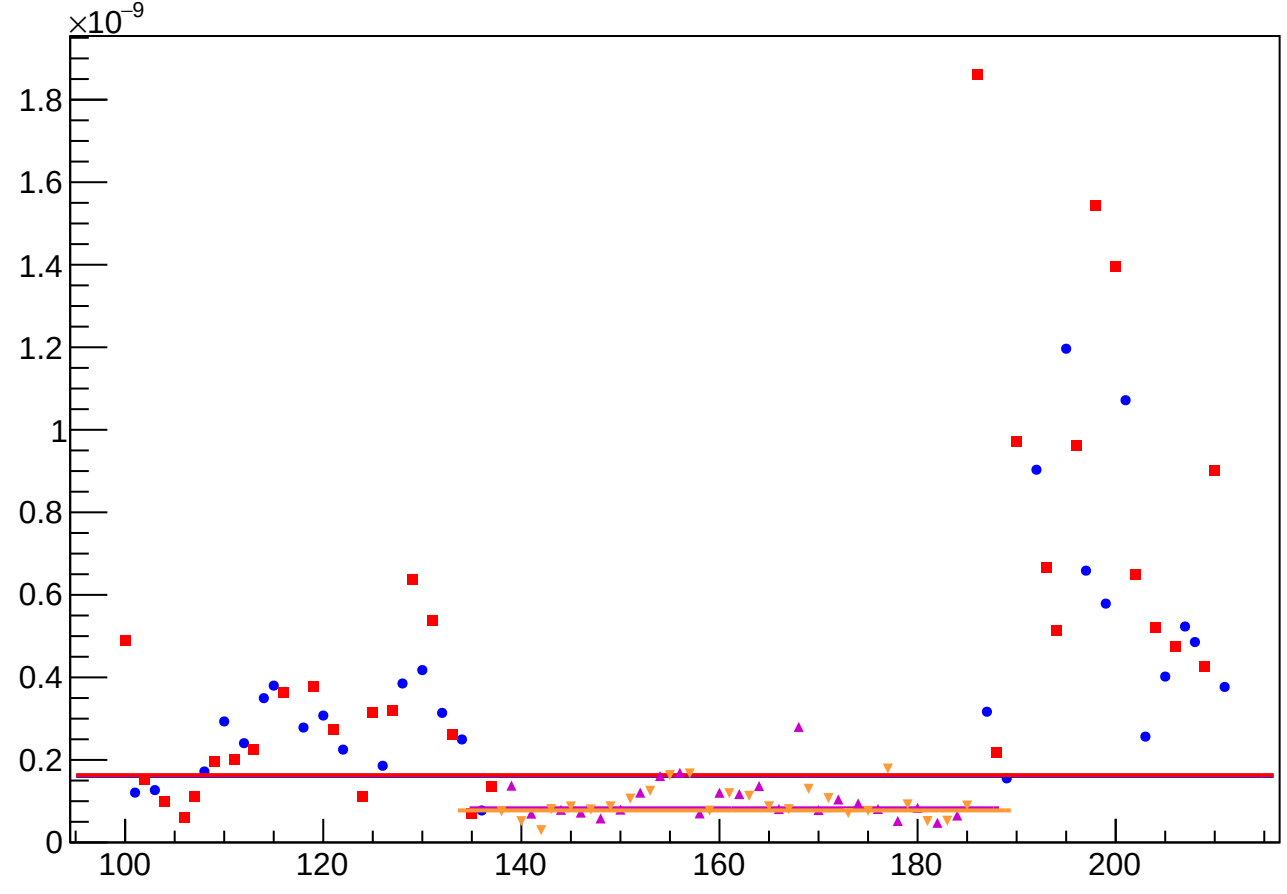
Left In: 5372.867+/-0.903 χ^2/NDF:1071821.2/22

+ sign 5693.549+/-0.693 χ^2/NDF: 3938911.1/52

All: 5635.156+/-0.488 χ^2/NDF: 9542428.8/10

- sign 5577.919+/-0.686 χ^2/NDF: 5589469.8/54


asym_usr_atr2_avg_reg_vs_cor_diff_mean vs Slug
×10^−12
6
4
2
0
−2
−4
−6
−8
−10
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 34.5/27
Left Out: 0.000+/-0.000 χ²/NDF:18.3/24
Right Out: -0.000+/-0.000 χ²/NDF: 35.1/31
Left In: 0.000+/-0.000 χ²/NDF:15.9/22
+ sign 0.000+/-0.000 χ²/NDF: 52.9/52
All: 0.000+/-0.000 χ²/NDF: 110.5/107
- sign 0.000+/-0.000 χ²/NDF: 57.0/54



Right In: 0.000+/-0.000 χ^2/NDF: 5347426.6/27

Left Out: 0.000+/-0.000 χ^2/NDF:1642881.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7178048.7/31

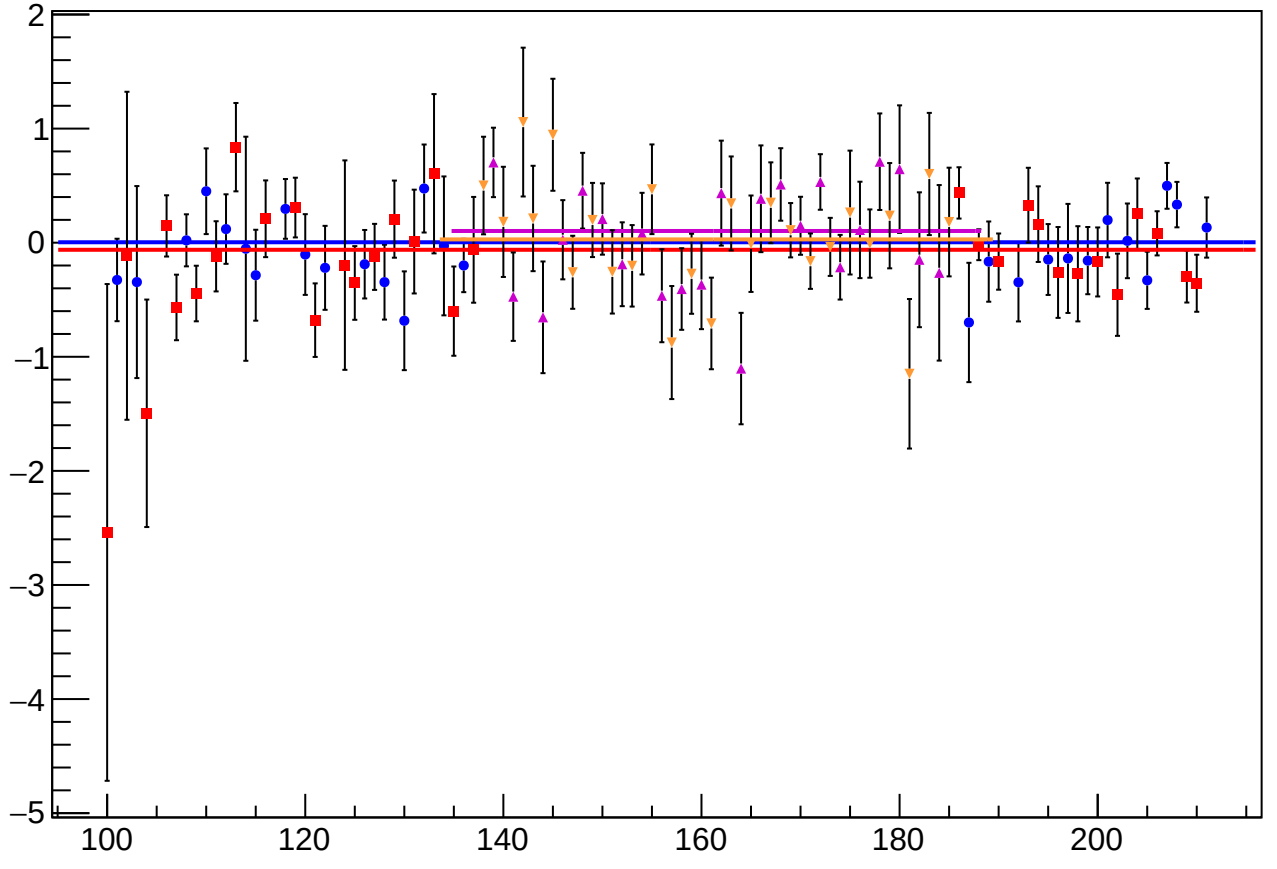
Left In: 0.000+/-0.000 χ^2/NDF:1552521.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 8834961.1/52

All: 0.000+/-0.000 χ^2/NDF: 19138404.8/107

- sign 0.000+/-0.000 χ^2/NDF: 10274328.0/54

asym_usr_atr2_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.004+/-0.060 χ^2/NDF: 26.0/27

Left Out: 0.029+/-0.075 χ^2/NDF:25.3/24

Right Out: -0.062+/-0.053 χ^2/NDF: 38.6/31

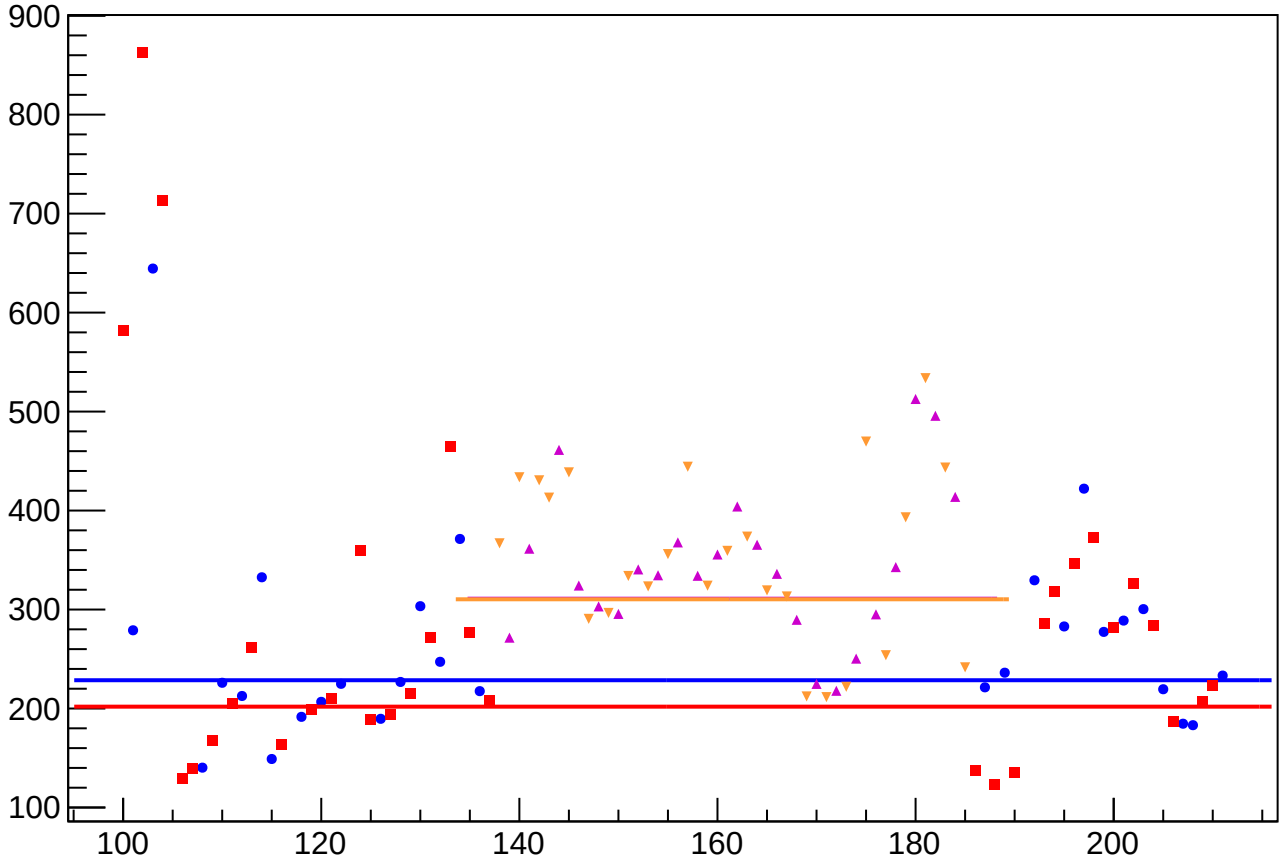
Left In: 0.103+/-0.076 χ^2/NDF:32.3/22

+ sign 0.013+/-0.047 χ^2/NDF: 51.4/52

All: 0.002+/-0.032 χ^2/NDF: 125.5/107

- sign -0.009+/-0.043 χ^2/NDF: 74.0/54

asym_usr_atr2_avg_dit_vs_cor_diff_rms vs Slug



Right In: 228.586+/-0.042 χ^2/NDF: 2181186.9/27

Left Out: 310.359+/-0.053 χ^2/NDF:2363086.4/24

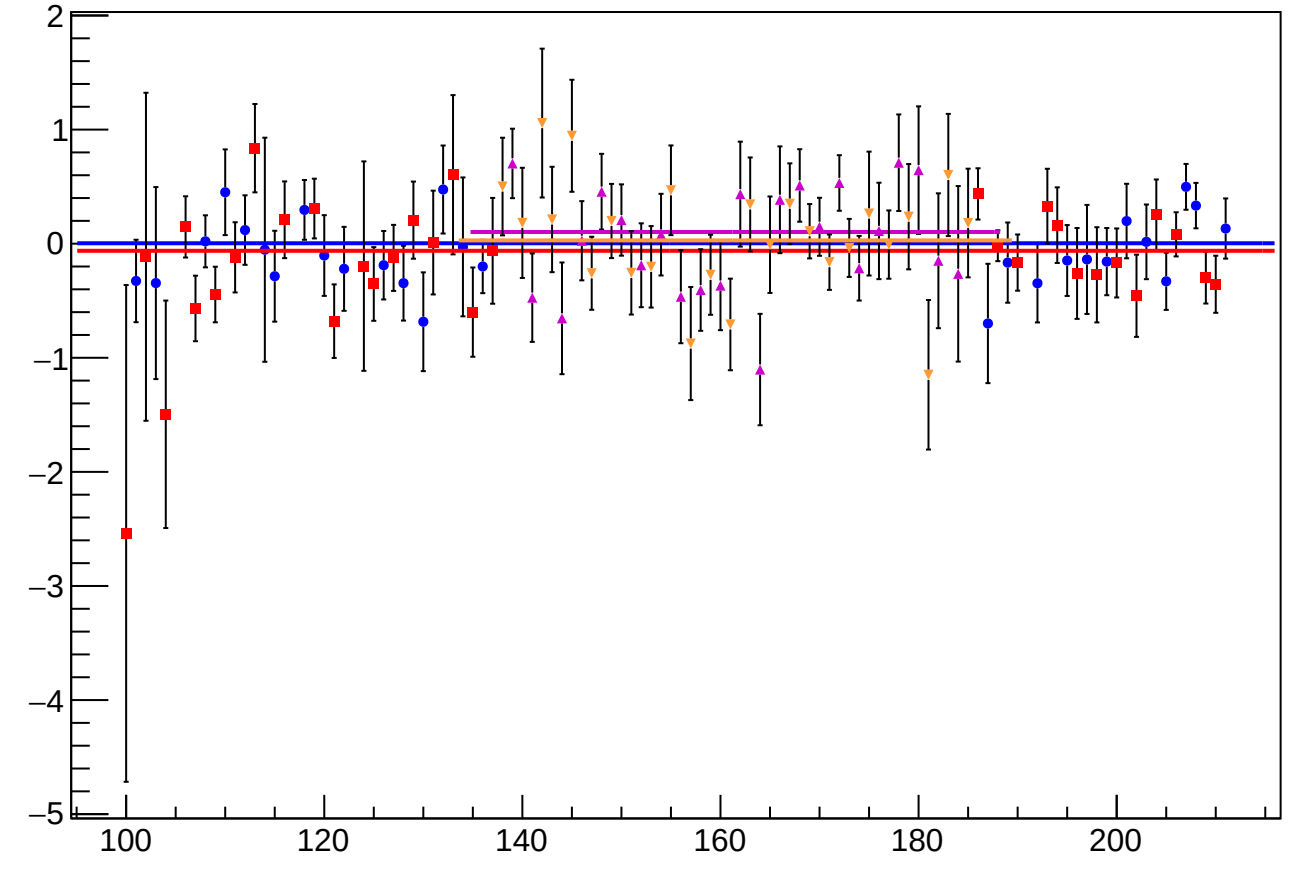
Right Out: 201.885+/-0.037 χ^2/NDF: 4355110.4/31

Left In: 310.960+/-0.054 χ^2/NDF:1600370.0/22

+ sign 260.349+/-0.033 χ^2/NDF: 6011290.0/52

All: 248.075+/-0.022 χ^2/NDF: 14988852.9/10

- sign 237.357+/-0.031 χ^2/NDF: 8716924.3/54



Right In: 0.004+/-0.060 χ^2/NDF: 26.0/27

Left Out: 0.029+/-0.075 χ^2/NDF:25.3/24

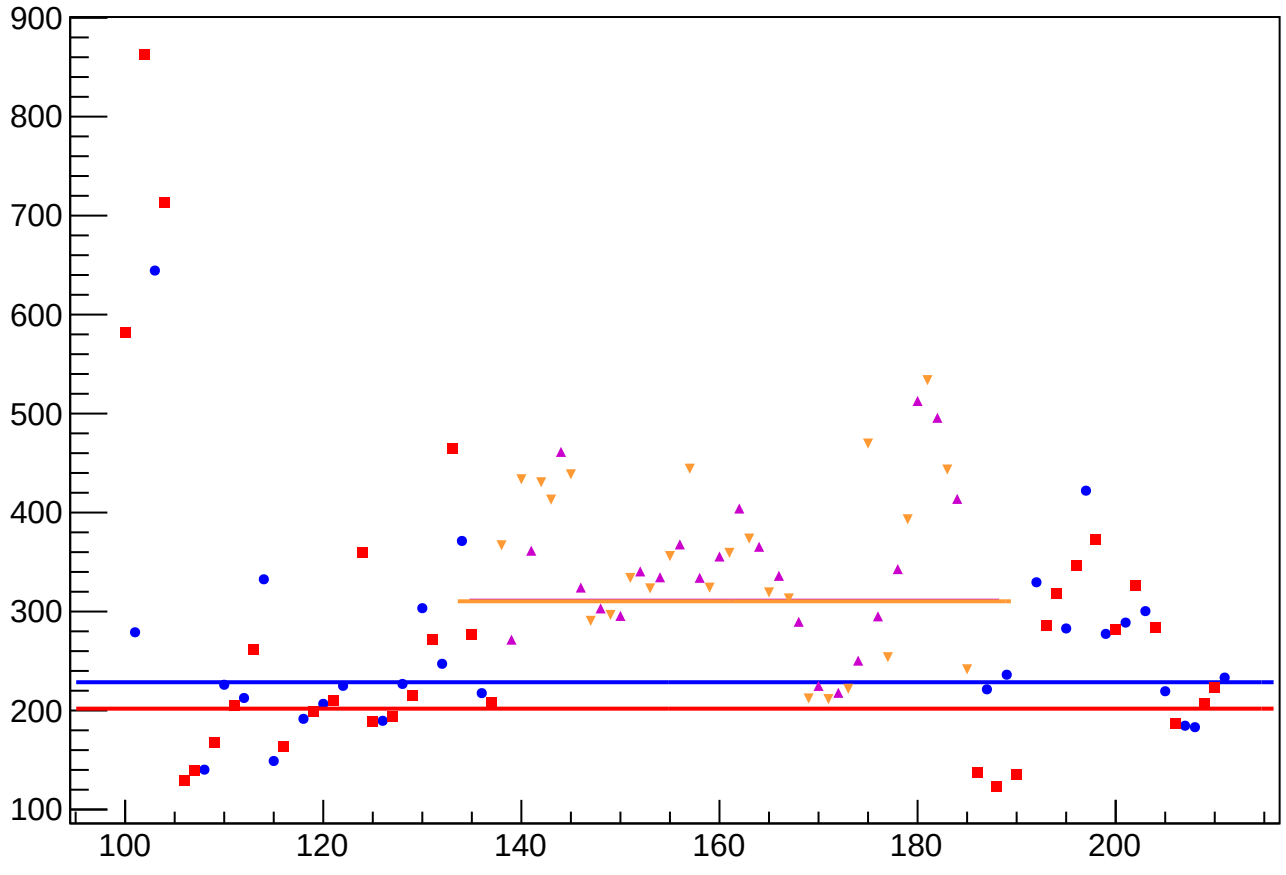
Right Out: -0.062+/-0.053 χ^2/NDF: 38.6/31

Left In: 0.103+/-0.076 χ^2/NDF:32.3/22

+ sign 0.013+/-0.047 χ^2/NDF: 51.4/52

All: 0.002+/-0.032 χ^2/NDF: 125.5/107

- sign -0.009+/-0.043 χ^2/NDF: 74.0/54



Right In: 228.586+/-0.042 χ^2/NDF: 2181186.9/27

Left Out: 310.359+/-0.053 χ^2/NDF:2363086.4/24

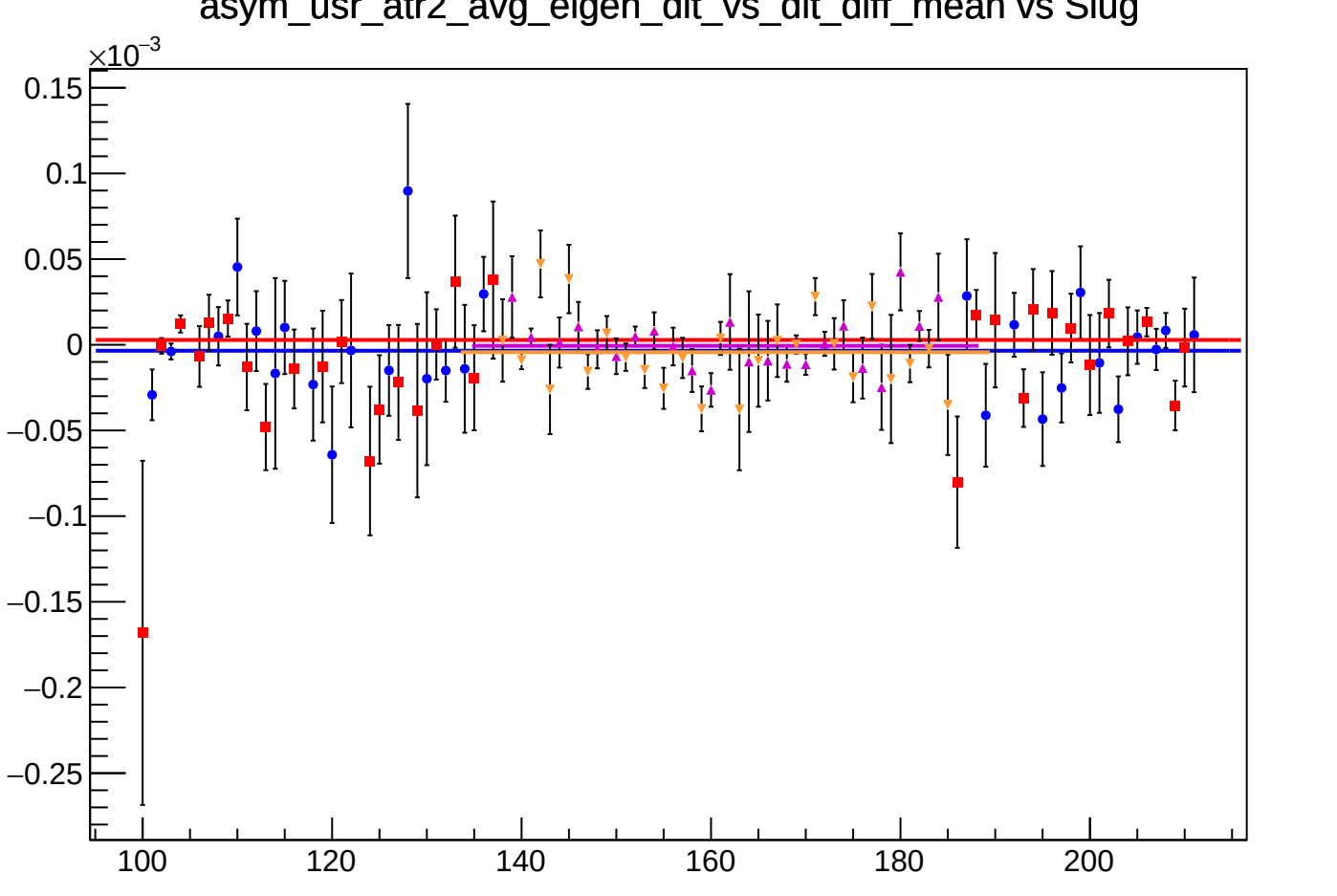
Right Out: 201.885+/-0.037 χ^2/NDF: 4355110.4/31

Left In: 310.960+/-0.054 χ^2/NDF:1600370.0/22

+ sign 260.349+/-0.033 χ^2/NDF: 6011290.0/52

All: 248.075+/-0.022 χ^2/NDF: 14988852.9/10

- sign 237.357+/-0.031 χ^2/NDF: 8716924.3/54



Right In: -0.000+/-0.000 χ^2/NDF: 28.9/27

Left Out: -0.000+/-0.000 χ^2/NDF:42.3/24

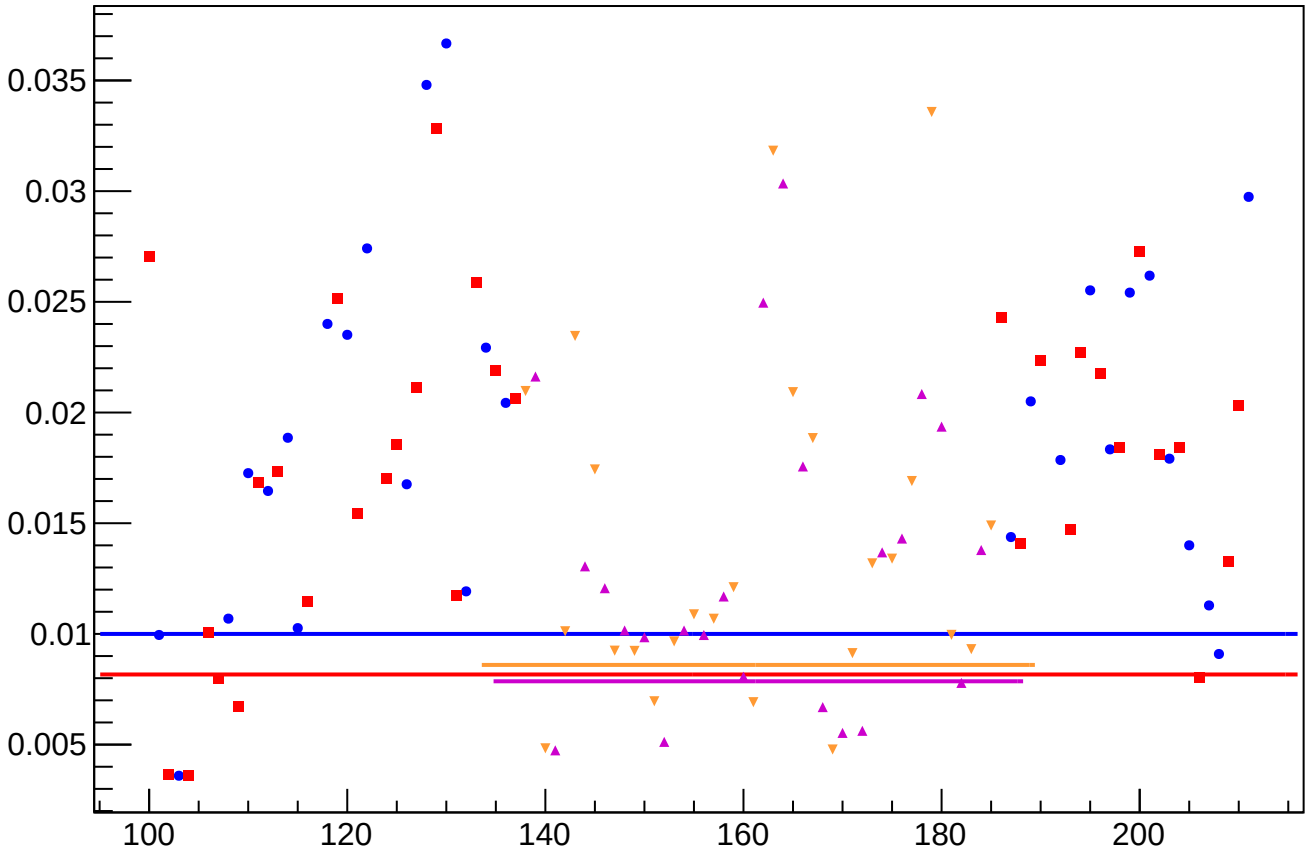
Right Out: 0.000+/-0.000 χ^2/NDF: 42.0/31

Left In: -0.000+/-0.000 χ^2/NDF:26.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 71.3/52

All: -0.000+/-0.000 χ^2/NDF: 145.0/107

- sign 0.000+/-0.000 χ^2/NDF: 69.7/54



Right In: 0.010+/-0.000 χ^2/NDF: 11066581.3/27

Left Out: 0.009+/-0.000 χ^2/NDF:7653564.7/24

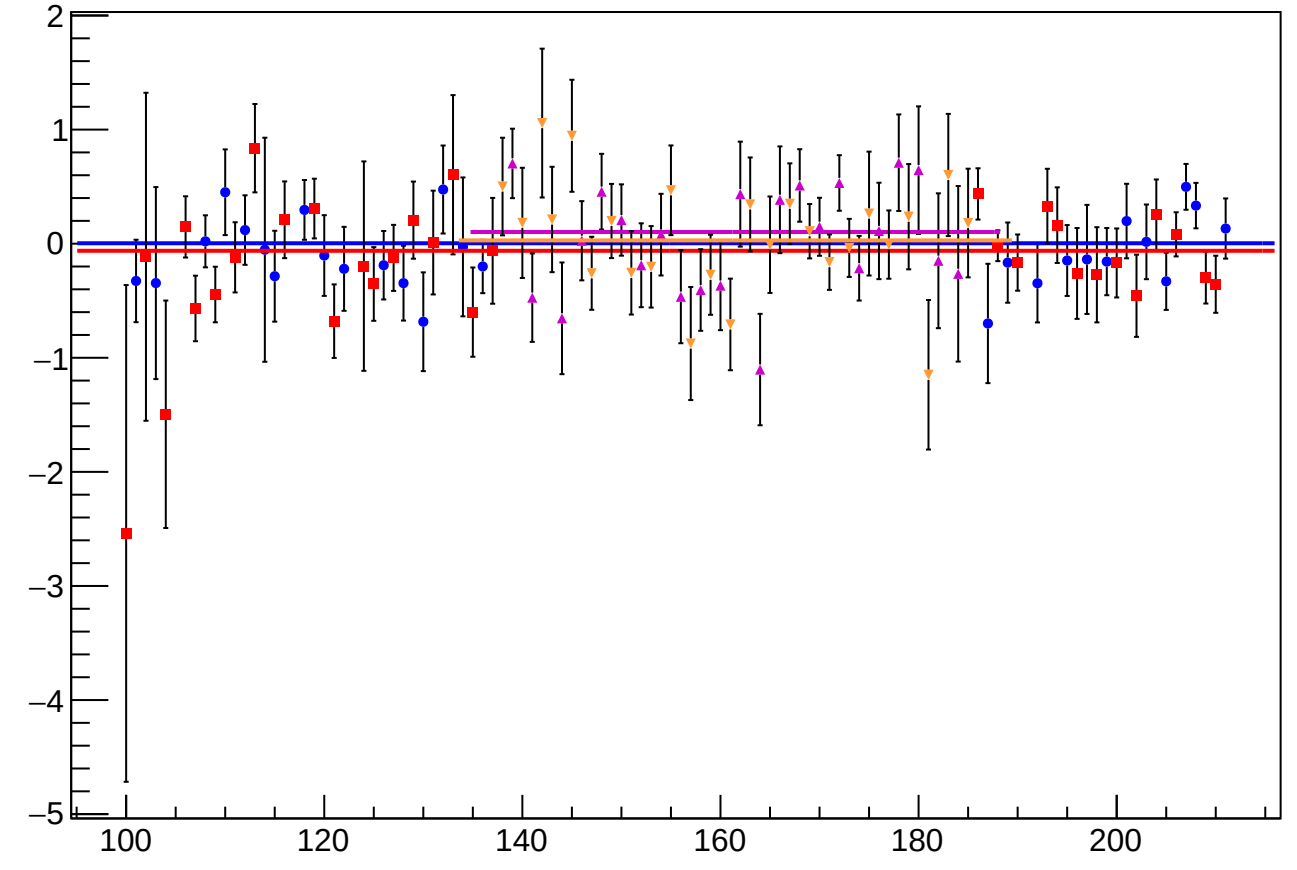
Right Out: 0.008+/-0.000 χ^2/NDF: 12967571.1/31

Left In: 0.008+/-0.000 χ^2/NDF:6779815.5/22

+ sign 0.009+/-0.000 χ^2/NDF: 18989189.7/52

All: 0.008+/-0.000 χ^2/NDF: 39156760.7/107

- sign 0.008+/-0.000 χ^2/NDF: 19765020.9/54



Right In: 0.004+/-0.060 χ^2/NDF: 26.0/27

Left Out: 0.029+/-0.075 χ^2/NDF:25.3/24

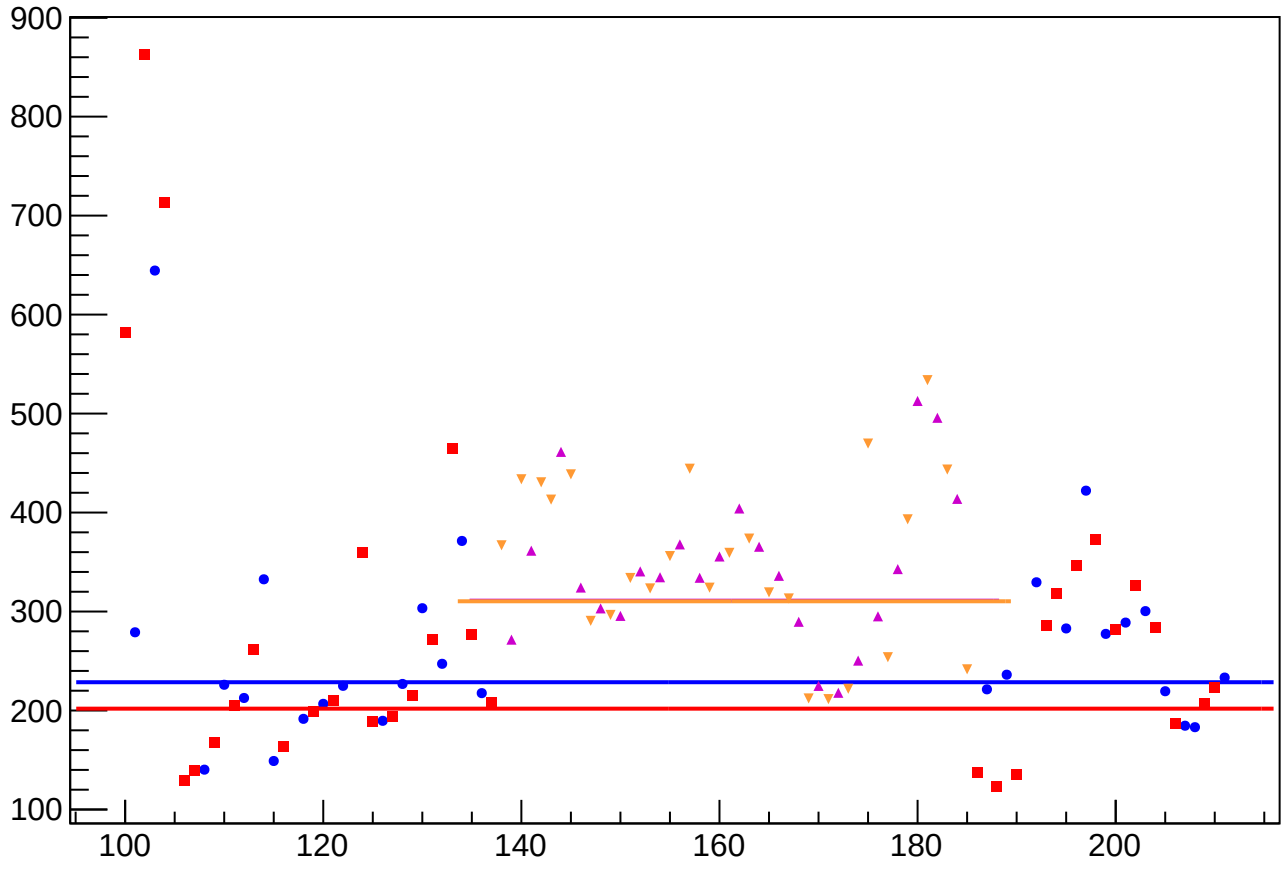
Right Out: -0.062+/-0.053 χ^2/NDF: 38.6/31

Left In: 0.103+/-0.076 χ^2/NDF:32.3/22

+ sign 0.013+/-0.047 χ^2/NDF: 51.4/52

All: 0.002+/-0.032 χ^2/NDF: 125.5/107

- sign -0.009+/-0.043 χ^2/NDF: 74.0/54



Right In: 228.586+/-0.042 χ^2/NDF: 2181181.1/27

Left Out: 310.362+/-0.053 χ^2/NDF:2363148.8/24

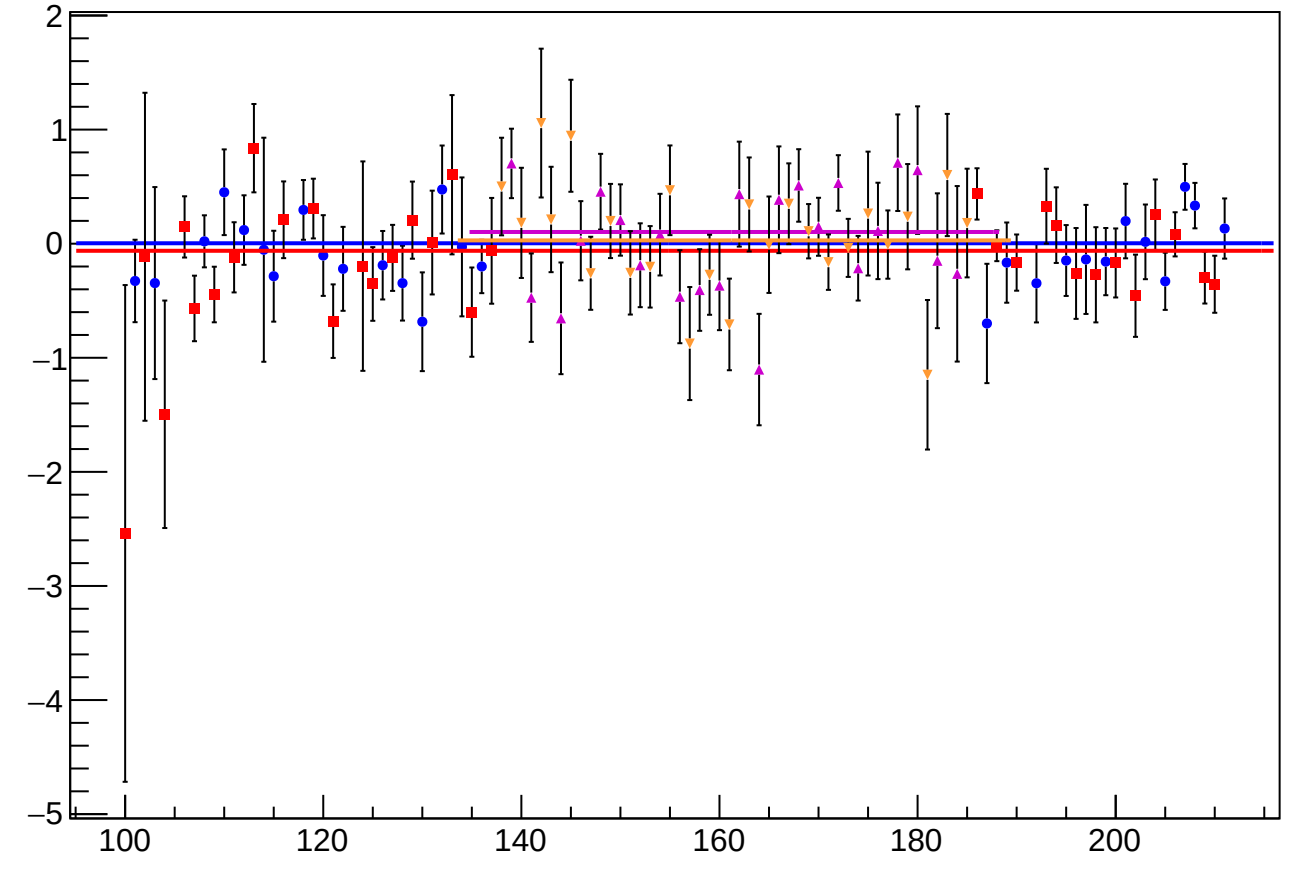
Right Out: 201.882+/-0.037 χ^2/NDF: 4355266.9/31

Left In: 310.963+/-0.054 χ^2/NDF:1600401.1/22

+ sign 260.350+/-0.033 χ^2/NDF: 6011442.7/52

All: 248.074+/-0.022 χ^2/NDF: 14989518.4/10

- sign 237.356+/-0.031 χ^2/NDF: 8717383.5/54



Right In: 0.004+/-0.060 χ^2/NDF: 26.0/27

Left Out: 0.029+/-0.075 χ^2/NDF:25.3/24

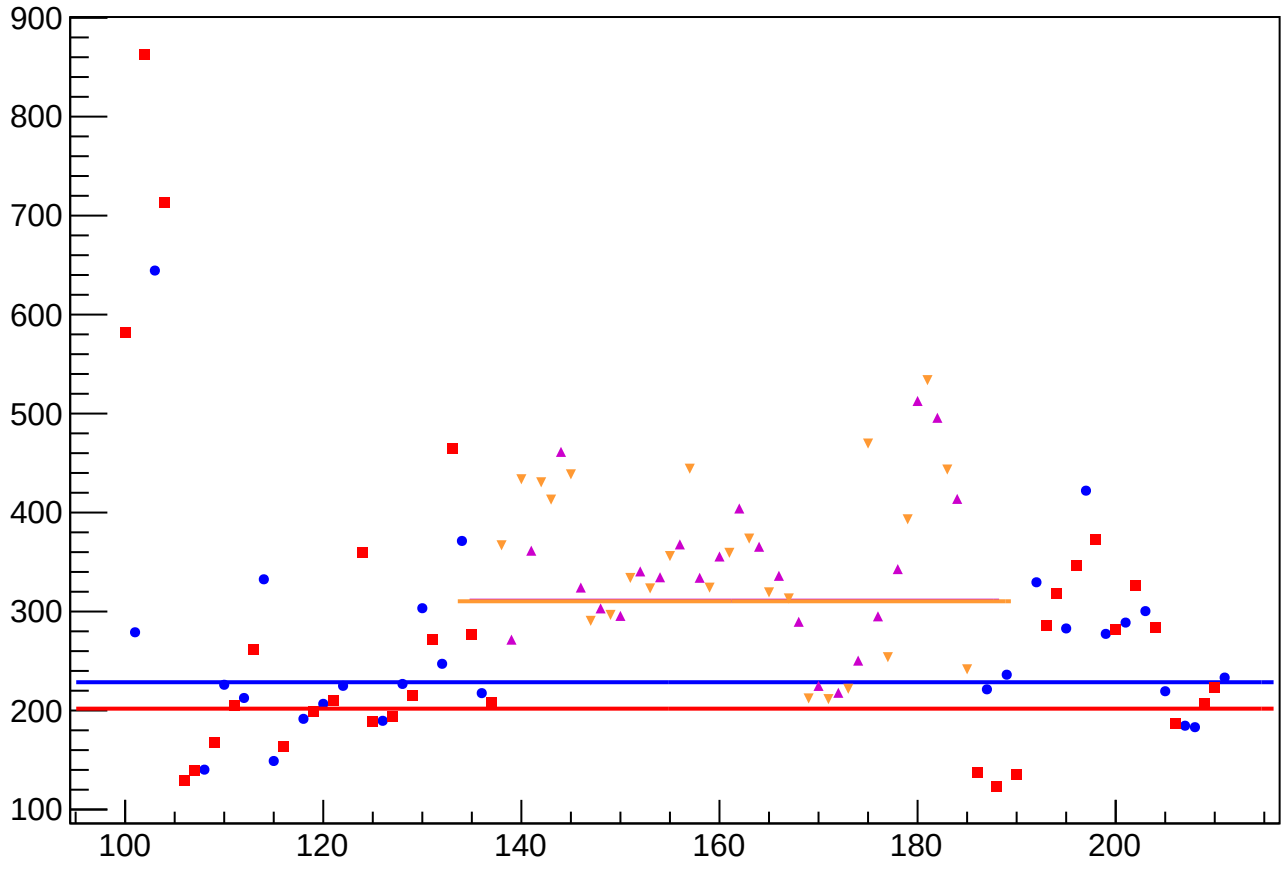
Right Out: -0.062+/-0.053 χ^2/NDF: 38.6/31

Left In: 0.103+/-0.076 χ^2/NDF:32.3/22

+ sign 0.013+/-0.047 χ^2/NDF: 51.4/52

All: 0.002+/-0.032 χ^2/NDF: 125.5/107

- sign -0.009+/-0.043 χ^2/NDF: 74.0/54



Right In: 228.586+/-0.042 χ^2/NDF: 2181181.1/27

Left Out: 310.362+/-0.053 χ^2/NDF:2363148.8/24

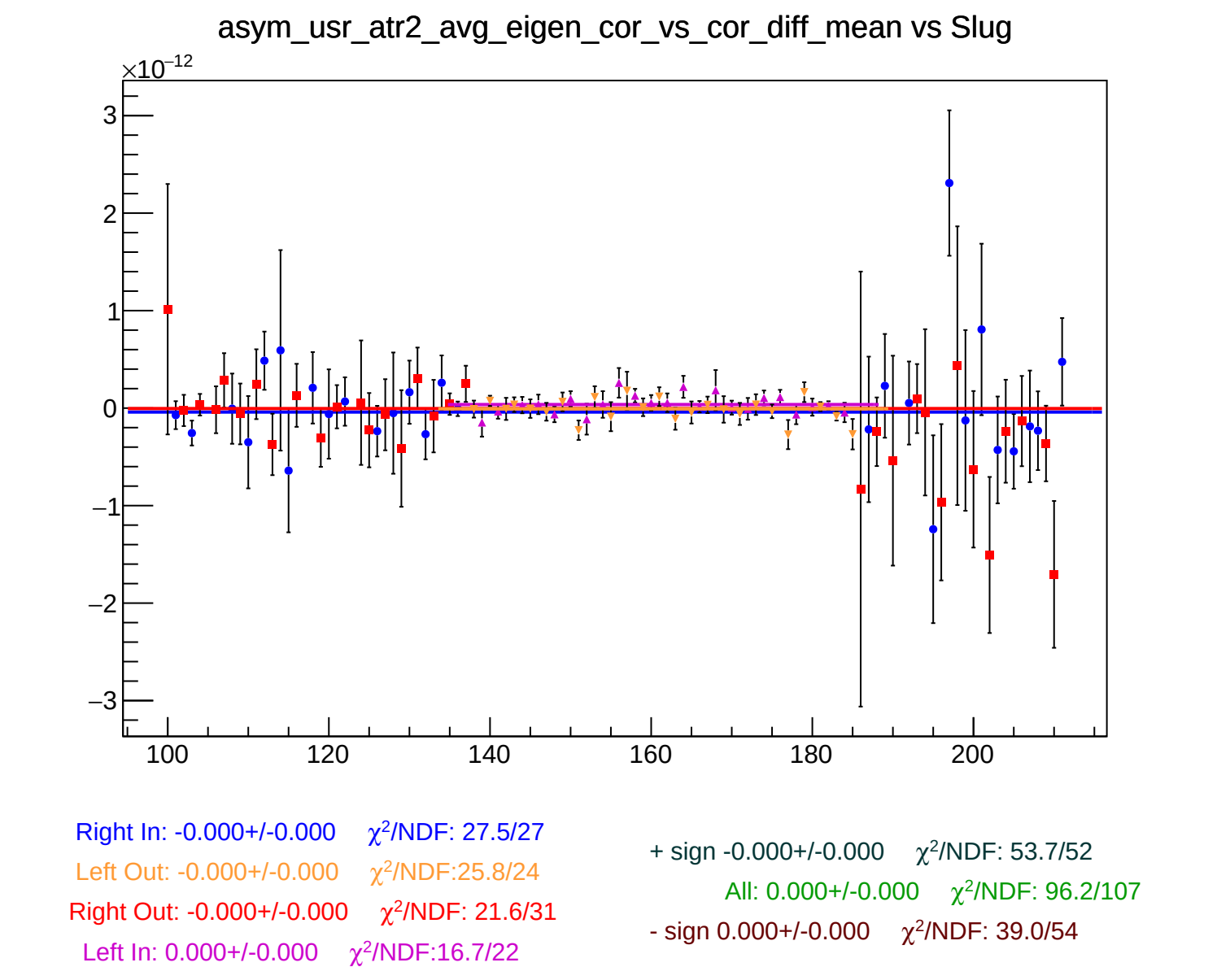
Right Out: 201.882+/-0.037 χ^2/NDF: 4355266.9/31

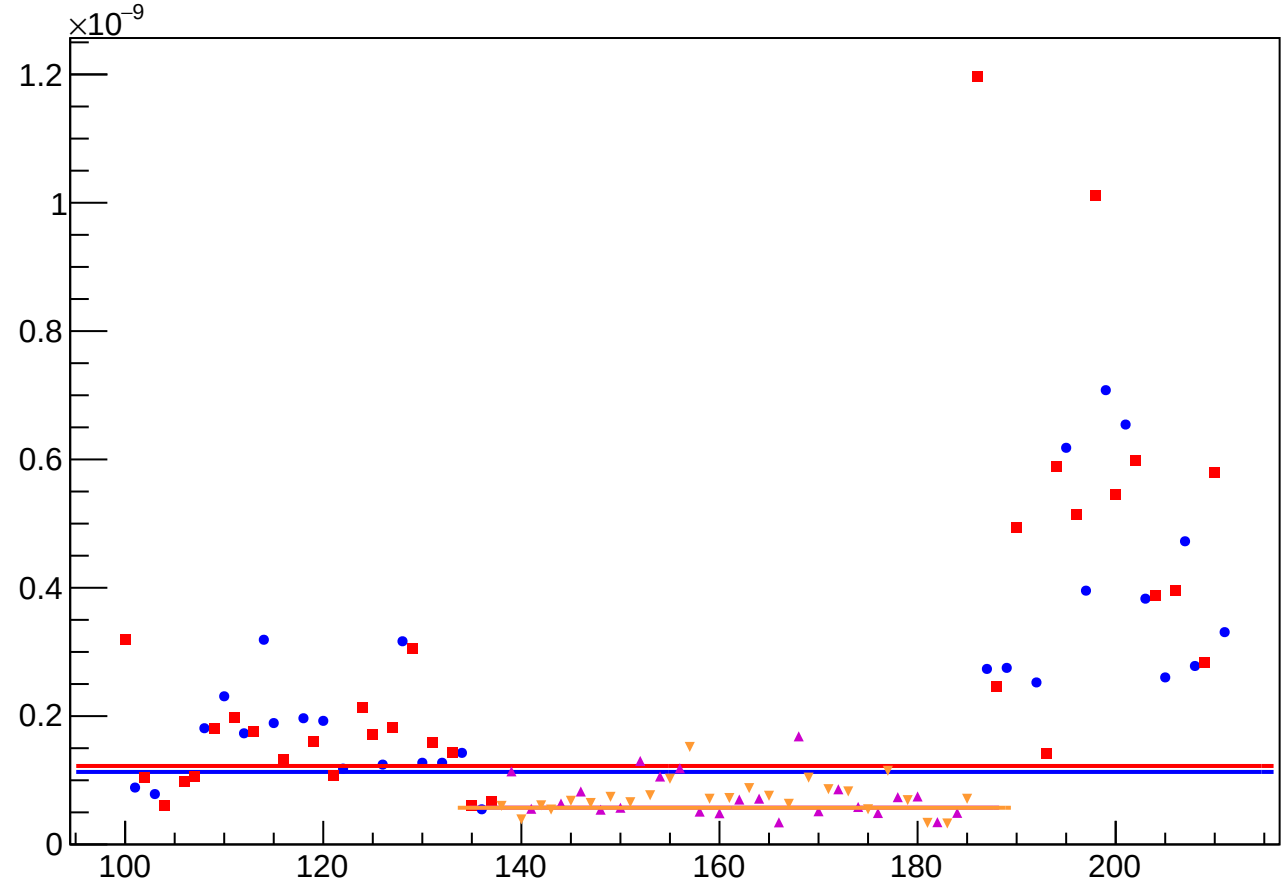
Left In: 310.963+/-0.054 χ^2/NDF:1600401.1/22

+ sign 260.350+/-0.033 χ^2/NDF: 6011442.7/52

All: 248.074+/-0.022 χ^2/NDF: 14989518.4/10

- sign 237.356+/-0.031 χ^2/NDF: 8717383.5/54


asym_usr_atr2_avg_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
3
2
1
0
−1
−2
−3
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 27.5/27
Left Out: -0.000+/-0.000 χ²/NDF:25.8/24
Right Out: -0.000+/-0.000 χ²/NDF: 21.6/31
Left In: 0.000+/-0.000 χ²/NDF:16.7/22
+ sign -0.000+/-0.000 χ²/NDF: 53.7/52
All: 0.000+/-0.000 χ²/NDF: 96.2/107
- sign 0.000+/-0.000 χ²/NDF: 39.0/54



Right In: 0.000+/-0.000 χ^2/NDF: 7516535.7/27

Left Out: 0.000+/-0.000 χ^2/NDF:3337849.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8484633.8/31

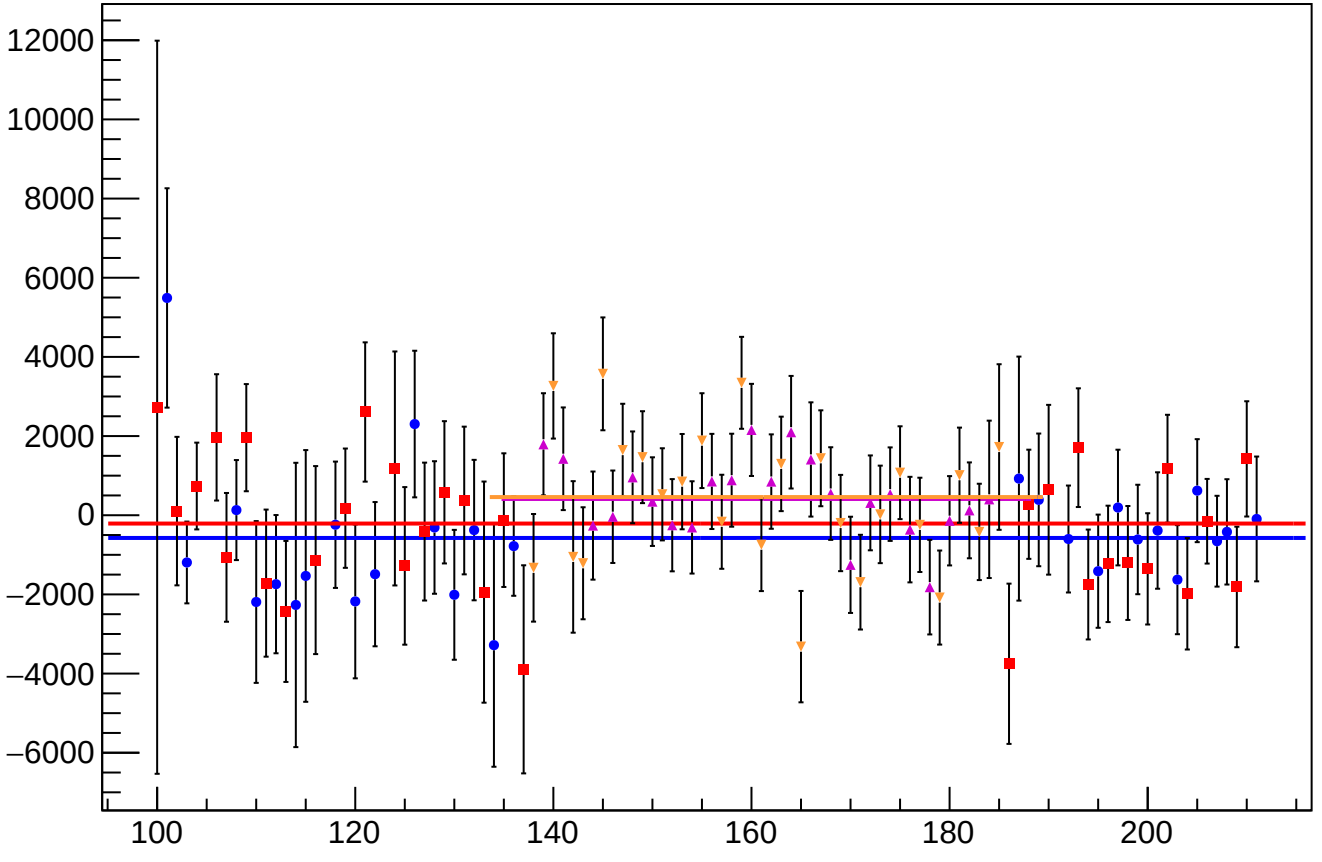
Left In: 0.000+/-0.000 χ^2/NDF:3299416.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 13288396.7/52

All: 0.000+/-0.000 χ^2/NDF: 28144751.7/107

- sign 0.000+/-0.000 χ^2/NDF: 14852384.3/54

reg_asym_usr_atr2_dd_mean vs Slug



Right In: -573.945+/-297.848 χ^2/NDF: 14.6/27

Left Out: 458.782+/-251.538 χ^2/NDF:42.1/24

Right Out: -210.158+/-287.100 χ^2/NDF: 26.6/31

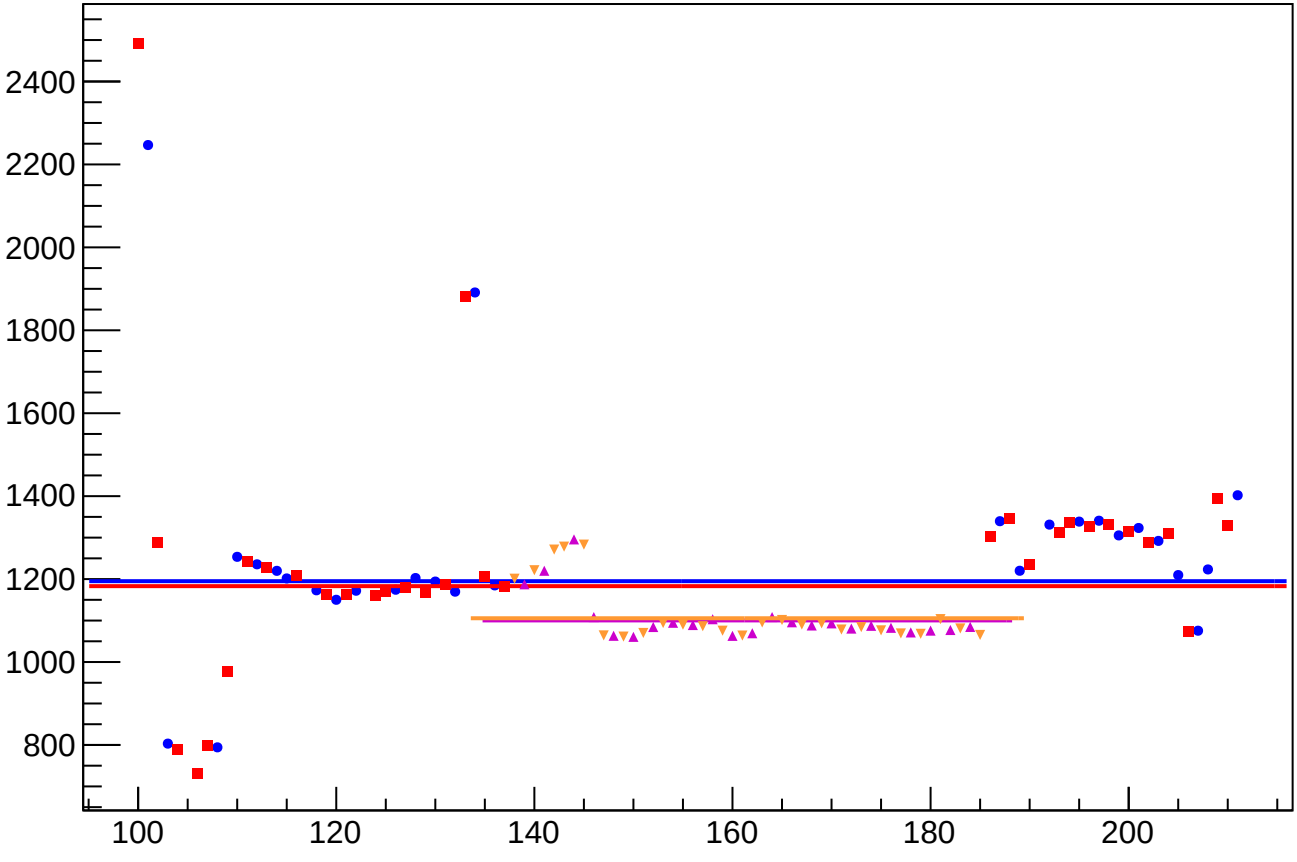
Left In: 411.262+/-257.201 χ^2/NDF:13.7/22

+ sign 28.857+/-192.176 χ^2/NDF: 63.7/52

All: 81.888+/-135.674 χ^2/NDF: 106.7/107

- sign 134.585+/-191.570 χ^2/NDF: 42.8/54

reg_asym_usr_atr2_dd_rms vs Slug



Right In: 1194.963+/-0.211 χ^2/NDF: 1045906.9/27

Left Out: 1105.549+/-0.178 χ^2/NDF:121950.0/24

Right Out: 1182.980+/-0.202 χ^2/NDF: 1032536.6/31

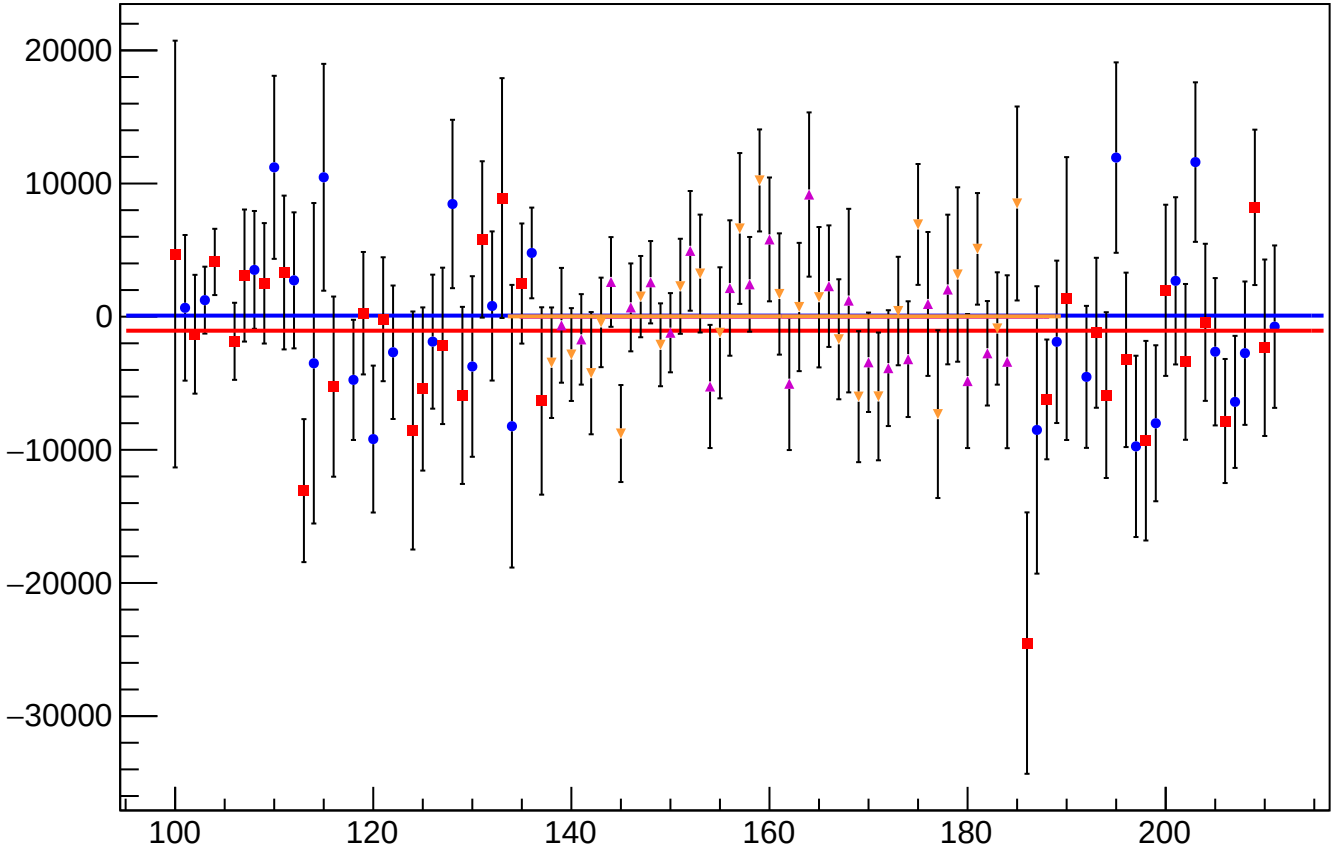
Left In: 1100.350+/-0.182 χ^2/NDF:80240.5/22

+ sign 1142.772+/-0.136 χ^2/NDF: 1273062.1/52

All: 1140.025+/-0.096 χ^2/NDF: 2478973.7/10

- sign 1137.306+/-0.135 χ^2/NDF: 1205098.4/54

asym_usr_atr2_dd_reg_correction_mean vs Slug



Right In: 80.154+/-1006.639 χ^2/NDF: 28.7/27

Left Out: 23.368+/-850.404 χ^2/NDF:28.5/24

Right Out: -1053.377+/-931.128 χ^2/NDF: 31.5/31

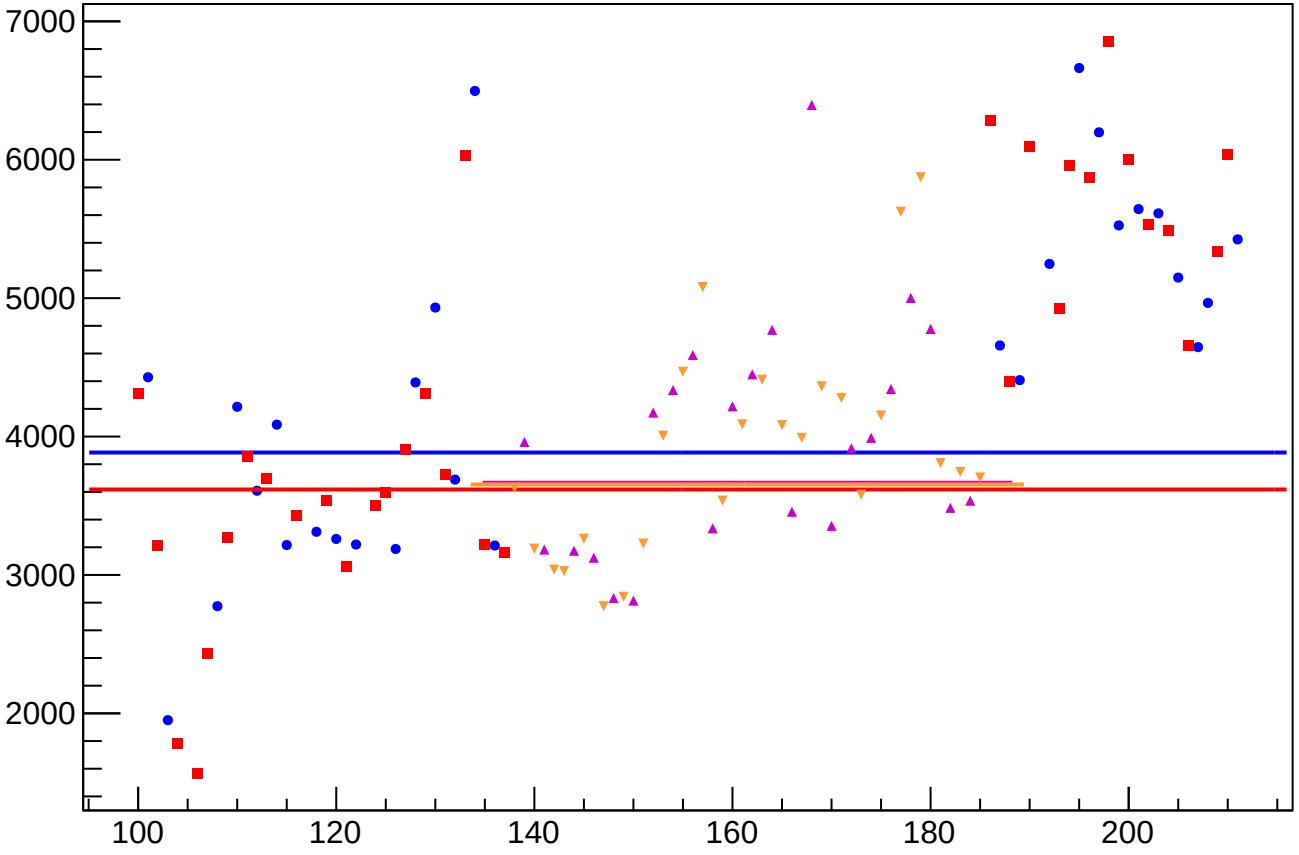
Left In: -6.317+/-875.256 χ^2/NDF:14.0/22

+ sign 47.017+/-649.621 χ^2/NDF: 57.2/52

All: -230.263+/-455.092 χ^2/NDF: 103.7/107

- sign -497.492+/-637.737 χ^2/NDF: 46.2/54

asym_usr_atr2_dd_reg_correction_rms vs Slug



Right In: 3884.573+/-0.712 χ^2/NDF: 3275466.9/27

Left Out: 3654.198+/-0.601 χ^2/NDF:1311761.6/24

Right Out: 3617.532+/-0.658 χ^2/NDF: 5016678.6/31

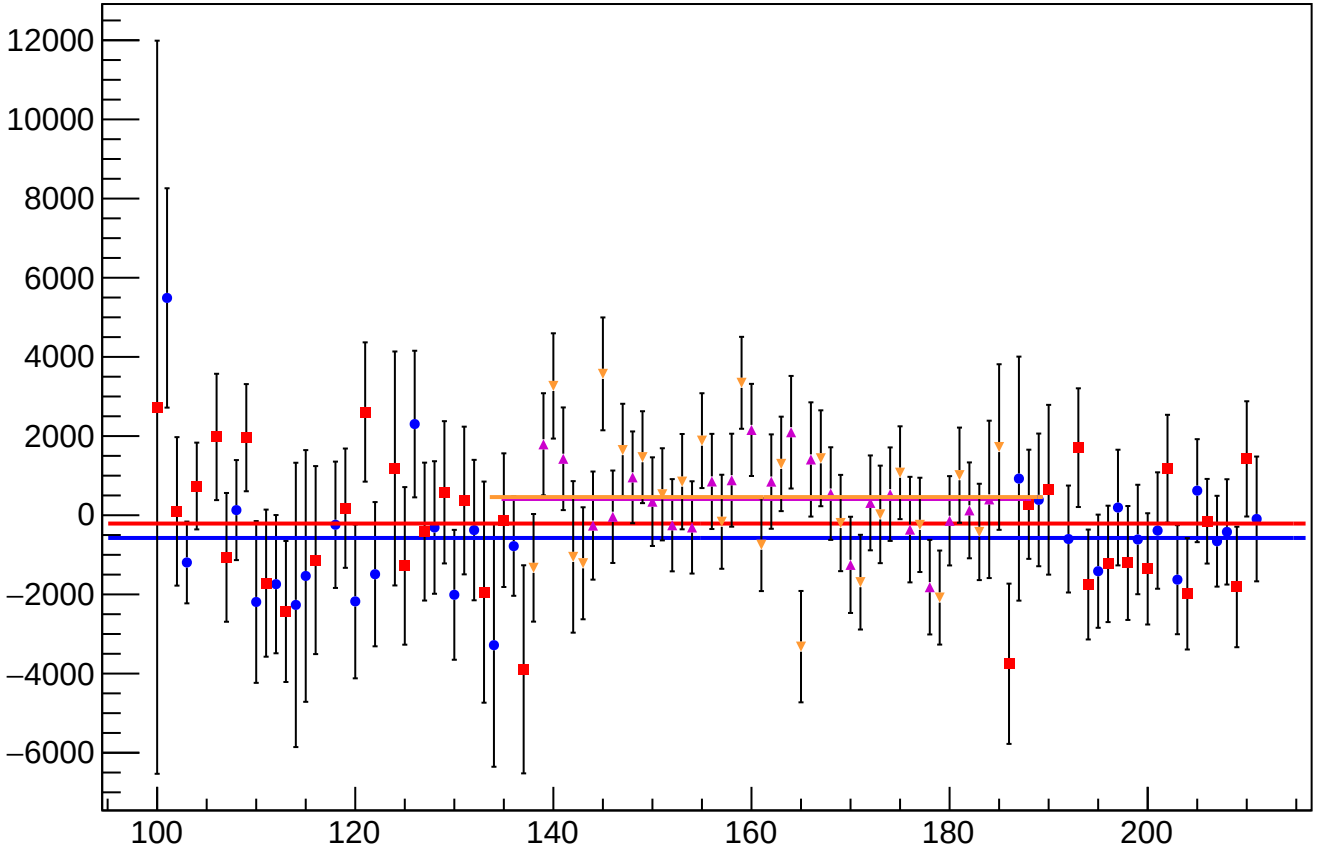
Left In: 3666.118+/-0.619 χ^2/NDF:1343709.3/22

\+ sign 3750.140+/-0.459 χ^2/NDF: 4648354.4/52

All: 3695.747+/-0.322 χ^2/NDF: 11039167.7/1

\- sign 3643.326+/-0.451 χ^2/NDF: 6363278.9/54

cor_asym_usr_atr2_dd_mean vs Slug



Right In: -573.977+/-297.848 χ^2/NDF: 14.6/27

Left Out: 458.844+/-251.538 χ^2/NDF:42.1/24

Right Out: -210.003+/-287.102 χ^2/NDF: 26.6/31

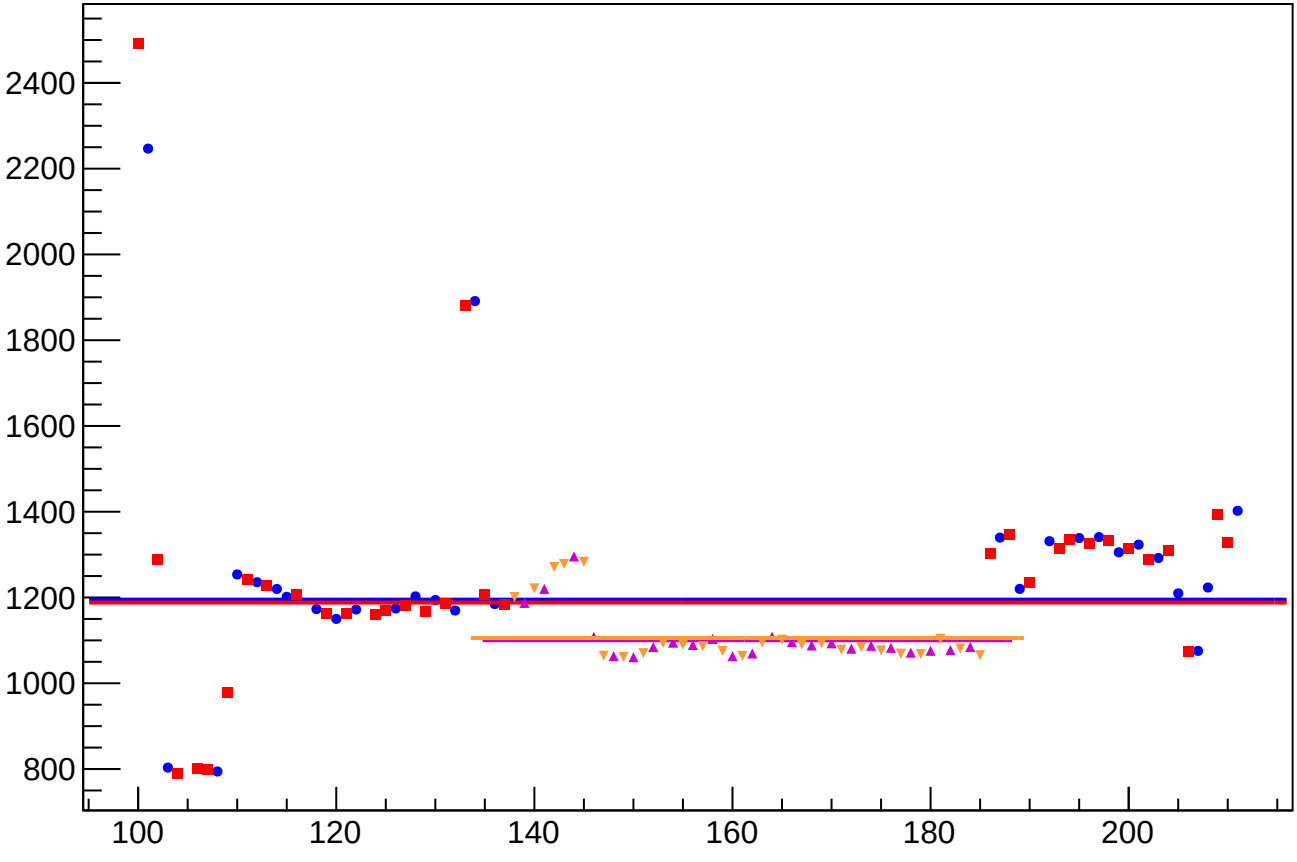
Left In: 411.165+/-257.201 χ^2/NDF:13.7/22

+ sign 28.880+/-192.176 χ^2/NDF: 63.7/52

All: 81.907+/-135.674 χ^2/NDF: 106.7/107

- sign 134.601+/-191.570 χ^2/NDF: 42.8/54

cor_asym_usr_atr2_dd_rms vs Slug



Right In: 1194.963+/-0.211 χ^2/NDF: 1045902.4/27

Left Out: 1105.549+/-0.178 χ^2/NDF:121950.0/24

Right Out: 1188.187+/-0.203 χ^2/NDF: 952659.7/31

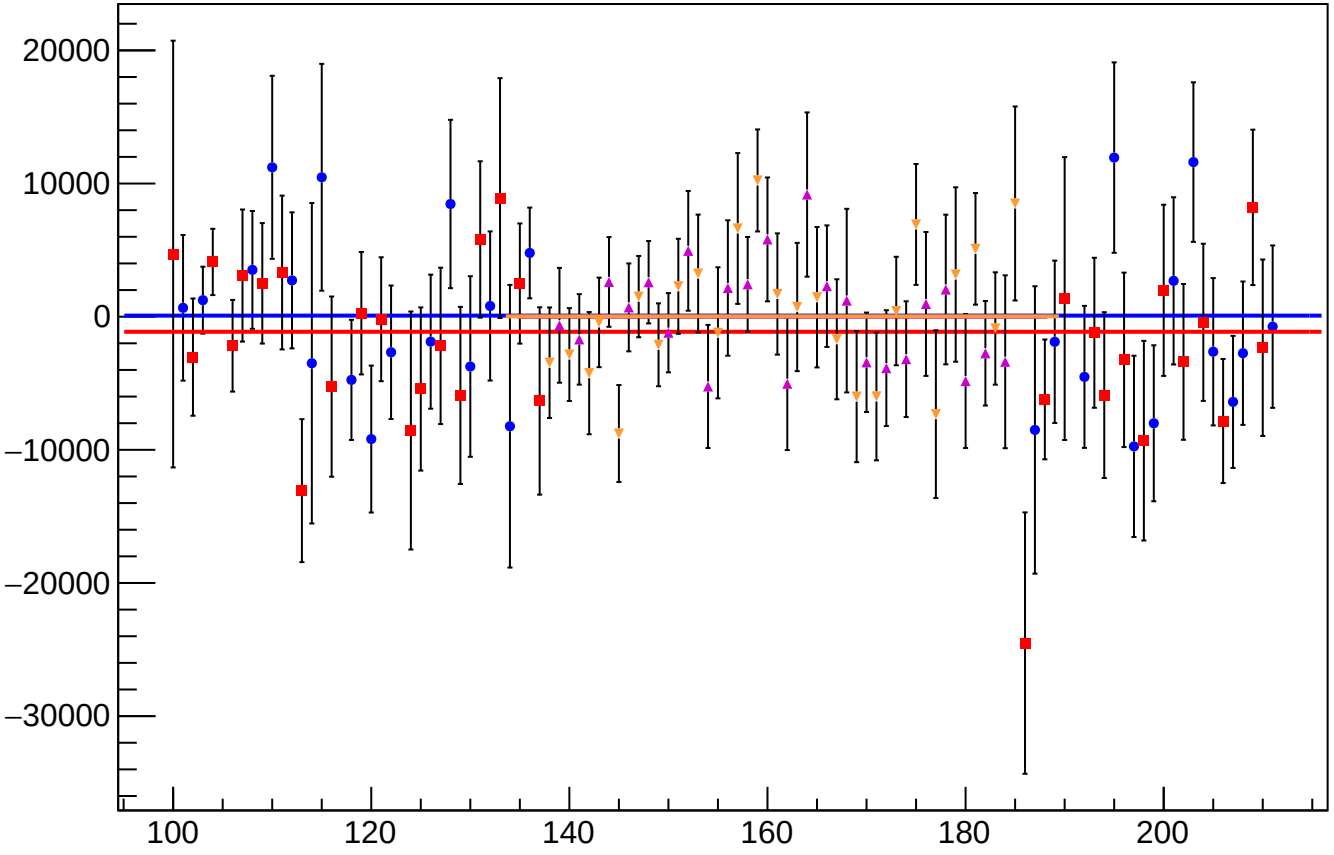
Left In: 1100.350+/-0.182 χ^2/NDF:80240.5/22

+ sign 1142.772+/-0.136 χ^2/NDF: 1273058.3/52

All: 1141.129+/-0.096 χ^2/NDF: 2410212.6/10

- sign 1139.499+/-0.135 χ^2/NDF: 1136863.1/54

asym_usr_atr2_dd_cor_correction_mean vs Slug



Right In: 79.727+/-1006.665 χ^2/NDF: 28.7/27

Left Out: 23.365+/-850.403 χ^2/NDF:28.5/24

Right Out: -1133.353+/-945.008 χ^2/NDF: 31.8/31

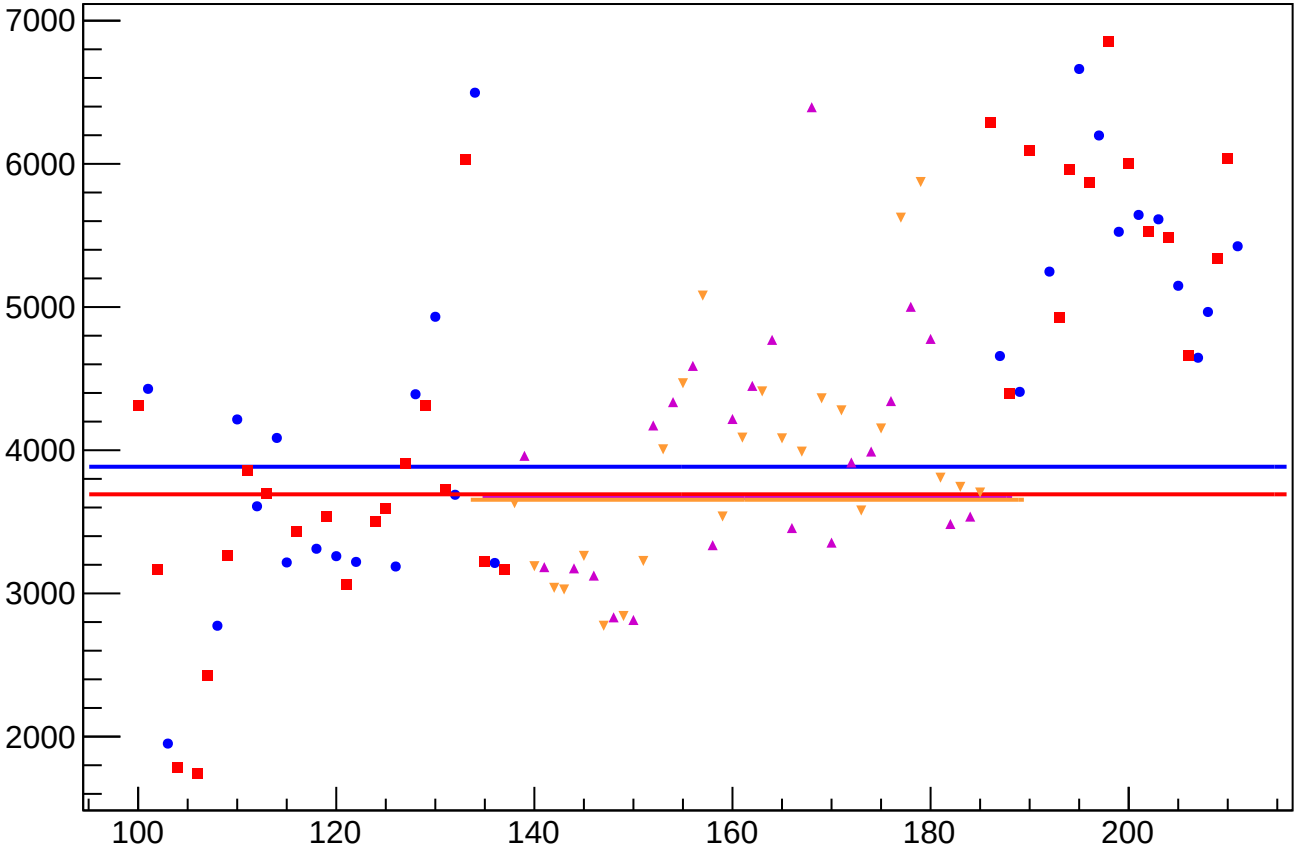
Left In: -6.368+/-875.255 χ^2/NDF:14.0/22

+ sign 46.837+/-649.628 χ^2/NDF: 57.2/52

All: -243.274+/-456.687 χ^2/NDF: 104.1/107

- sign -526.738+/-642.144 χ^2/NDF: 46.6/54

asym_usr_atr2_dd_cor_correction_rms vs Slug



Right In: 3884.733+/-0.712 χ^2/NDF: 3274627.2/27

Left Out: 3654.195+/-0.601 χ^2/NDF:1311769.4/24

Right Out: 3692.145+/-0.668 χ^2/NDF: 4596981.6/31

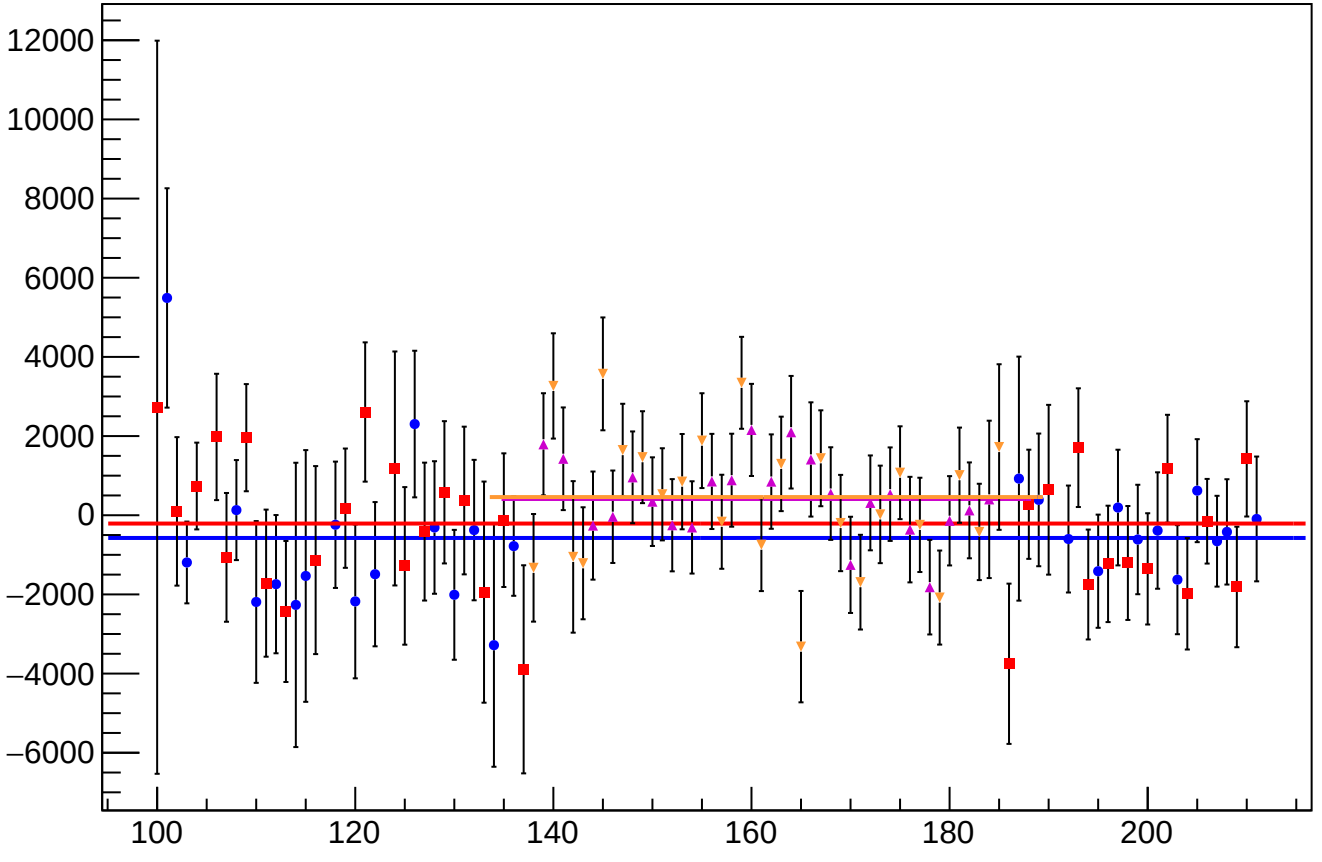
Left In: 3666.114+/-0.619 χ^2/NDF:1343711.6/22

+ sign 3750.202+/-0.459 χ^2/NDF: 4647606.9/52

All: 3713.750+/-0.323 χ^2/NDF: 10601566.8/1

- sign 3678.133+/-0.454 χ^2/NDF: 5941510.0/54

eigen_cor_asym_usr_atr2_dd_mean vs Slug



Right In: -573.977+/-297.848 χ^2/NDF: 14.6/27

Left Out: 458.844+/-251.538 χ^2/NDF:42.1/24

Right Out: -210.003+/-287.102 χ^2/NDF: 26.6/31

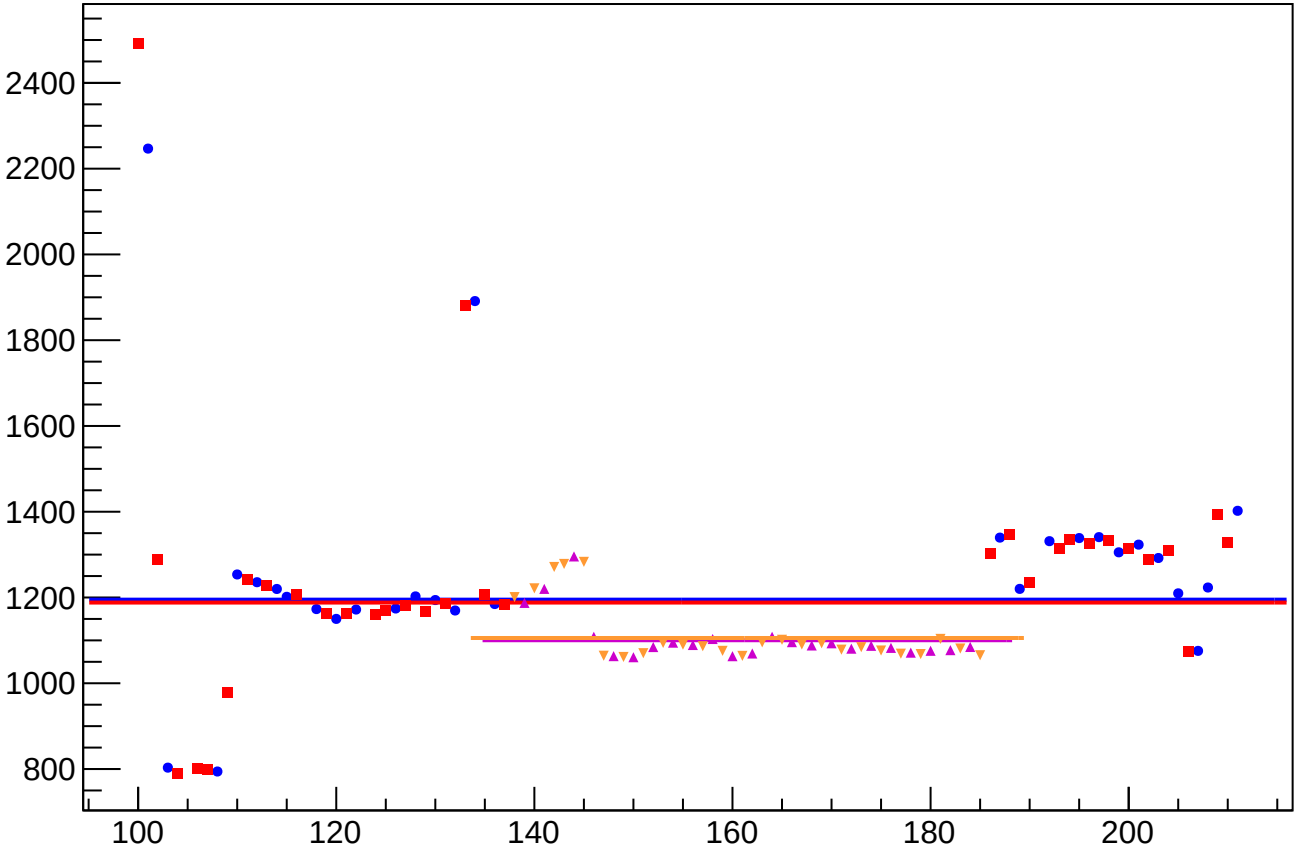
Left In: 411.165+/-257.201 χ^2/NDF:13.7/22

+ sign 28.880+/-192.176 χ^2/NDF: 63.7/52

All: 81.907+/-135.674 χ^2/NDF: 106.7/107

- sign 134.601+/-191.570 χ^2/NDF: 42.8/54

eigen_cor_asym_usr_atr2_dd_rms vs Slug



Right In: 1194.963+/-0.211 χ^2/NDF: 1045902.4/27

Left Out: 1105.549+/-0.178 χ^2/NDF:121950.0/24

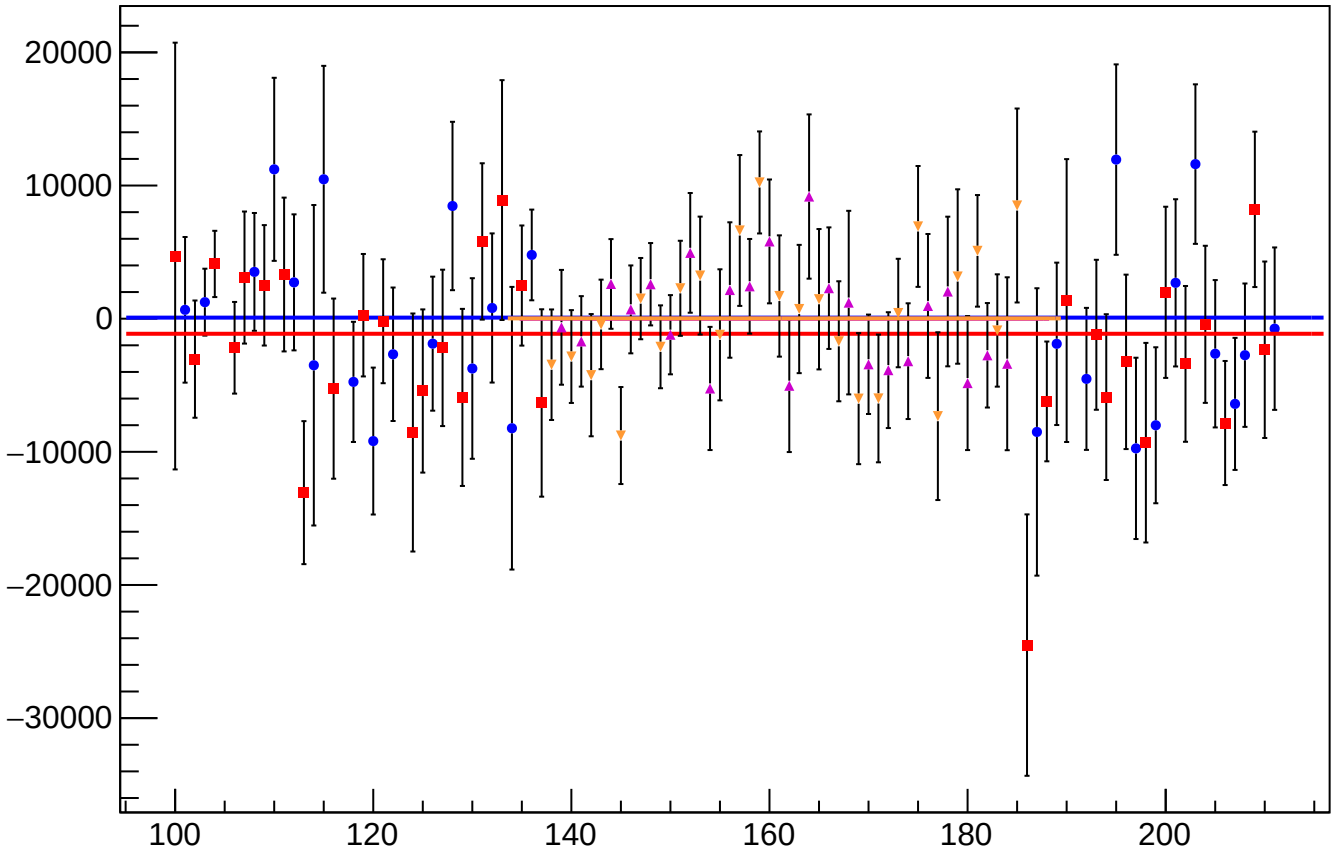
Right Out: 1188.187+/-0.203 χ^2/NDF: 952659.7/31

Left In: 1100.350+/-0.182 χ^2/NDF:80240.5/22

+ sign 1142.772+/-0.136 χ^2/NDF: 1273058.3/52

All: 1141.129+/-0.096 χ^2/NDF: 2410212.6/10

- sign 1139.499+/-0.135 χ^2/NDF: 1136863.1/54



Right In: 79.727+/-1006.665 χ^2/NDF: 28.7/27

Left Out: 23.365+/-850.403 χ^2/NDF:28.5/24

Right Out: -1133.353+/-945.008 χ^2/NDF: 31.8/31

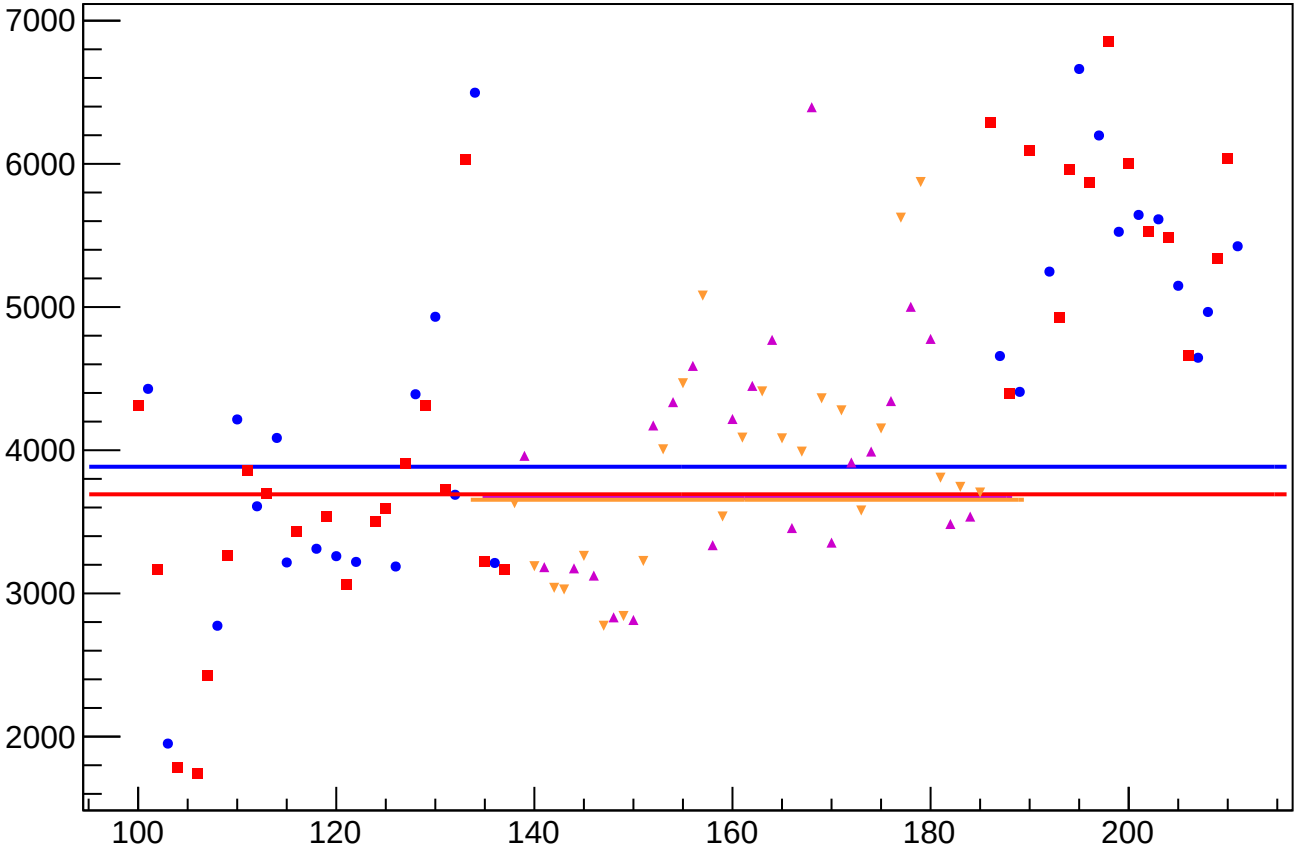
Left In: -6.368+/-875.255 χ^2/NDF:14.0/22

+ sign 46.837+/-649.628 χ^2/NDF: 57.2/52

All: -243.274+/-456.687 χ^2/NDF: 104.1/107

- sign -526.738+/-642.144 χ^2/NDF: 46.6/54

asym_usr_atr2_dd_eigen_cor_correction_rms vs Slug



Right In: 3884.733+/-0.712 χ^2/NDF: 3274627.2/27

Left Out: 3654.195+/-0.601 χ^2/NDF:1311769.4/24

Right Out: 3692.145+/-0.668 χ^2/NDF: 4596981.6/31

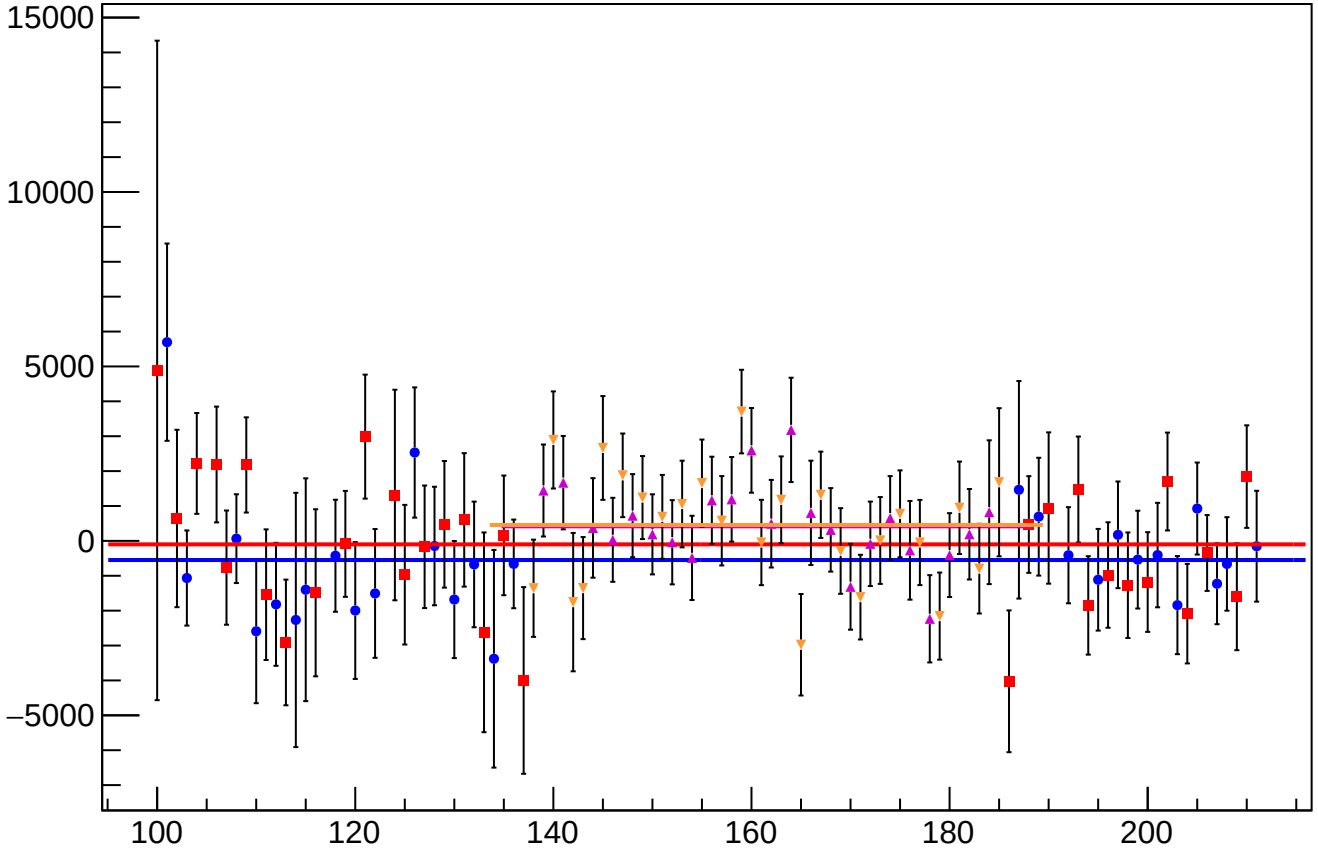
Left In: 3666.114+/-0.619 χ^2/NDF:1343711.6/22

+ sign 3750.202+/-0.459 χ^2/NDF: 4647606.9/52

All: 3713.750+/-0.323 χ^2/NDF: 10601566.8/1

- sign 3678.133+/-0.454 χ^2/NDF: 5941510.0/54

dit_asym_usr_atr2_dd_mean vs Slug



Right In: -548.531+/-307.384 χ^2/NDF: 15.8/27

Left Out: 455.711+/-261.005 χ^2/NDF:36.1/24

Right Out: -99.599+/-297.346 χ^2/NDF: 32.3/31

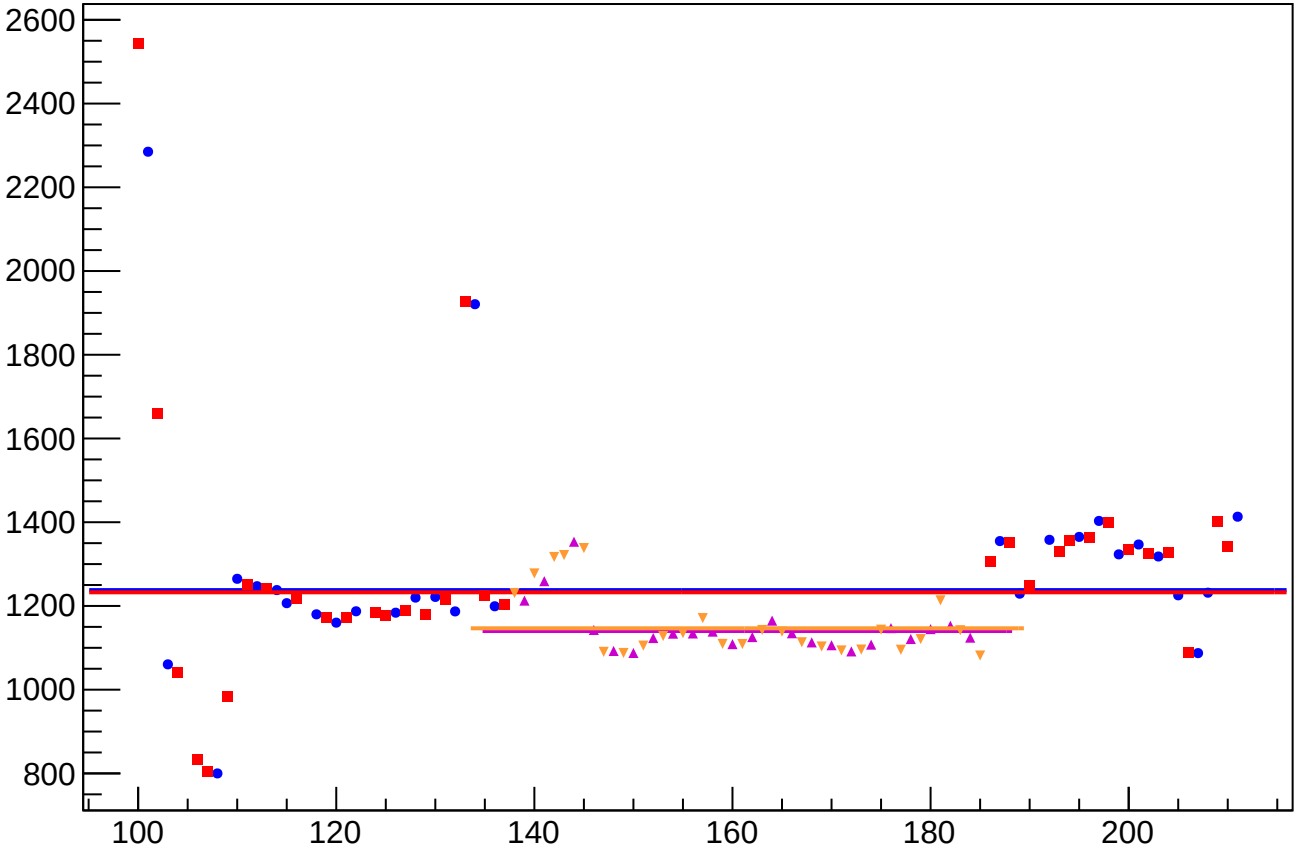
Left In: 417.202+/-266.582 χ^2/NDF:17.3/22

+ sign 34.991+/-198.957 χ^2/NDF: 58.1/52

All: 111.129+/-140.519 χ^2/NDF: 109.8/107

- sign 186.911+/-198.490 χ^2/NDF: 51.3/54

dit_asym_usr_atr2_dd_rms vs Slug



Right In: 1237.822+/-0.217 χ^2/NDF: 793499.3/27

Left Out: 1146.614+/-0.185 χ^2/NDF:141015.8/24

Right Out: 1232.584+/-0.210 χ^2/NDF: 759234.4/31

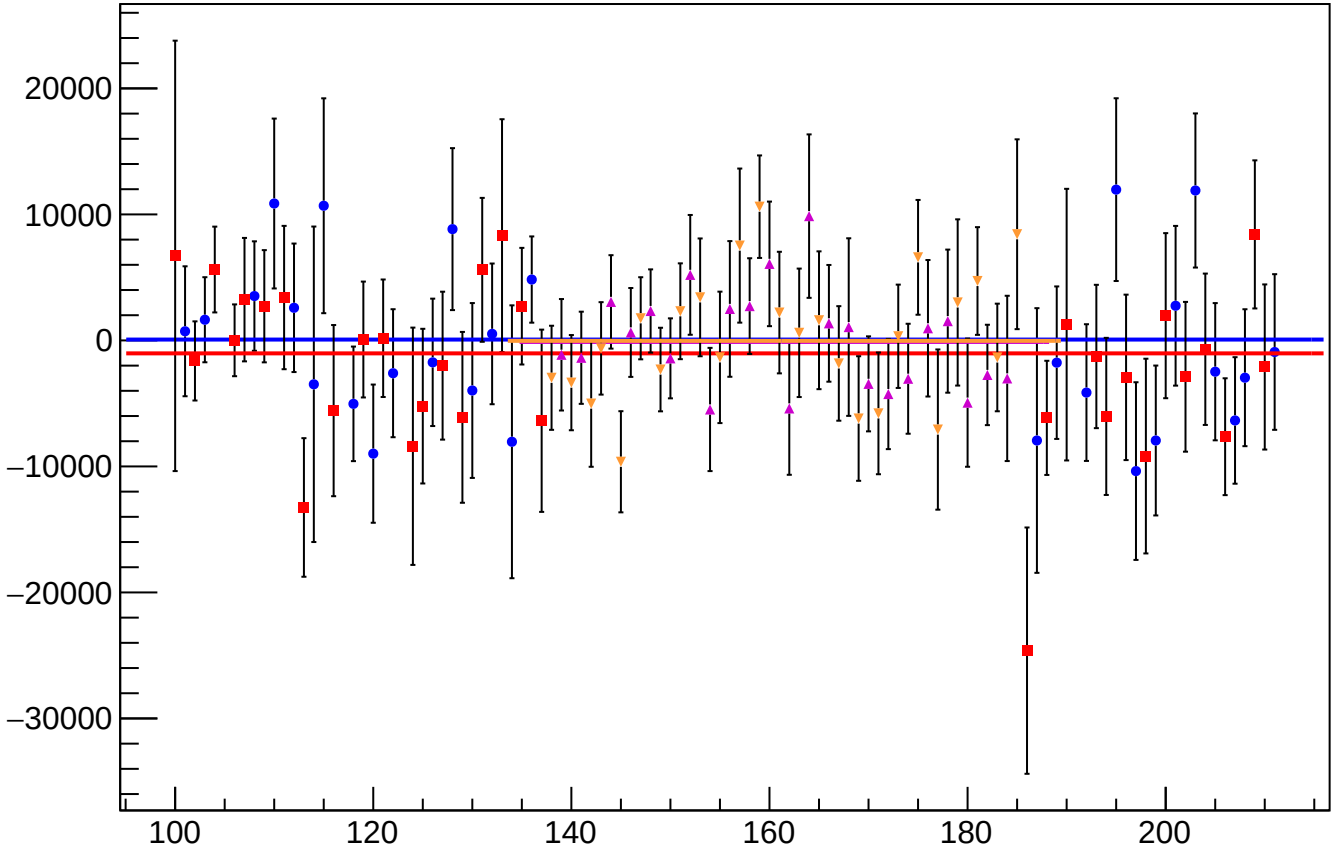
Left In: 1140.168+/-0.189 χ^2/NDF:84737.4/22

+ sign 1184.825+/-0.141 χ^2/NDF: 1036834.3/52

All: 1183.088+/-0.099 χ^2/NDF: 1988241.0/10

- sign 1181.359+/-0.140 χ^2/NDF: 951102.5/54

asym_usr_atr2_dd_dit_correction_mean vs Slug



Right In: 67.757+/-1046.900 χ^2/NDF: 28.5/27

Left Out: -33.549+/-891.370 χ^2/NDF:27.8/24

Right Out: -1027.477+/-942.966 χ^2/NDF: 31.0/31

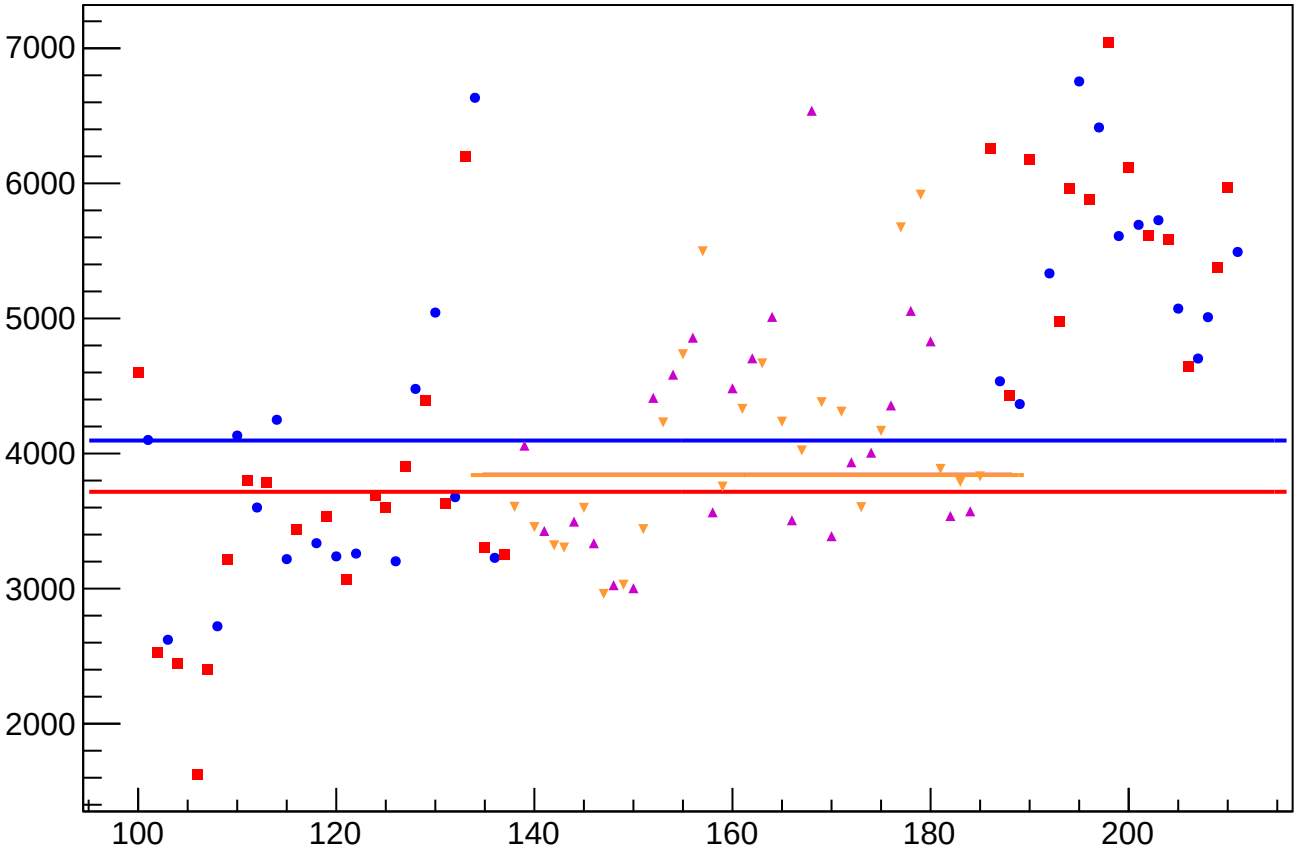
Left In: -121.051+/-915.714 χ^2/NDF:13.8/22

+ sign 9.027+/-678.688 χ^2/NDF: 56.2/52

All: -285.258+/-472.025 χ^2/NDF: 101.8/107

- sign -560.977+/-656.931 χ^2/NDF: 45.2/54

asym_usr_atr2_dd_dit_correction_rms vs Slug



Right In: 4096.306+/-0.740 χ^2/NDF: 2386072.9/27

Left Out: 3840.830+/-0.630 χ^2/NDF:1118666.6/24

Right Out: 3716.724+/-0.667 χ^2/NDF: 4438352.7/31

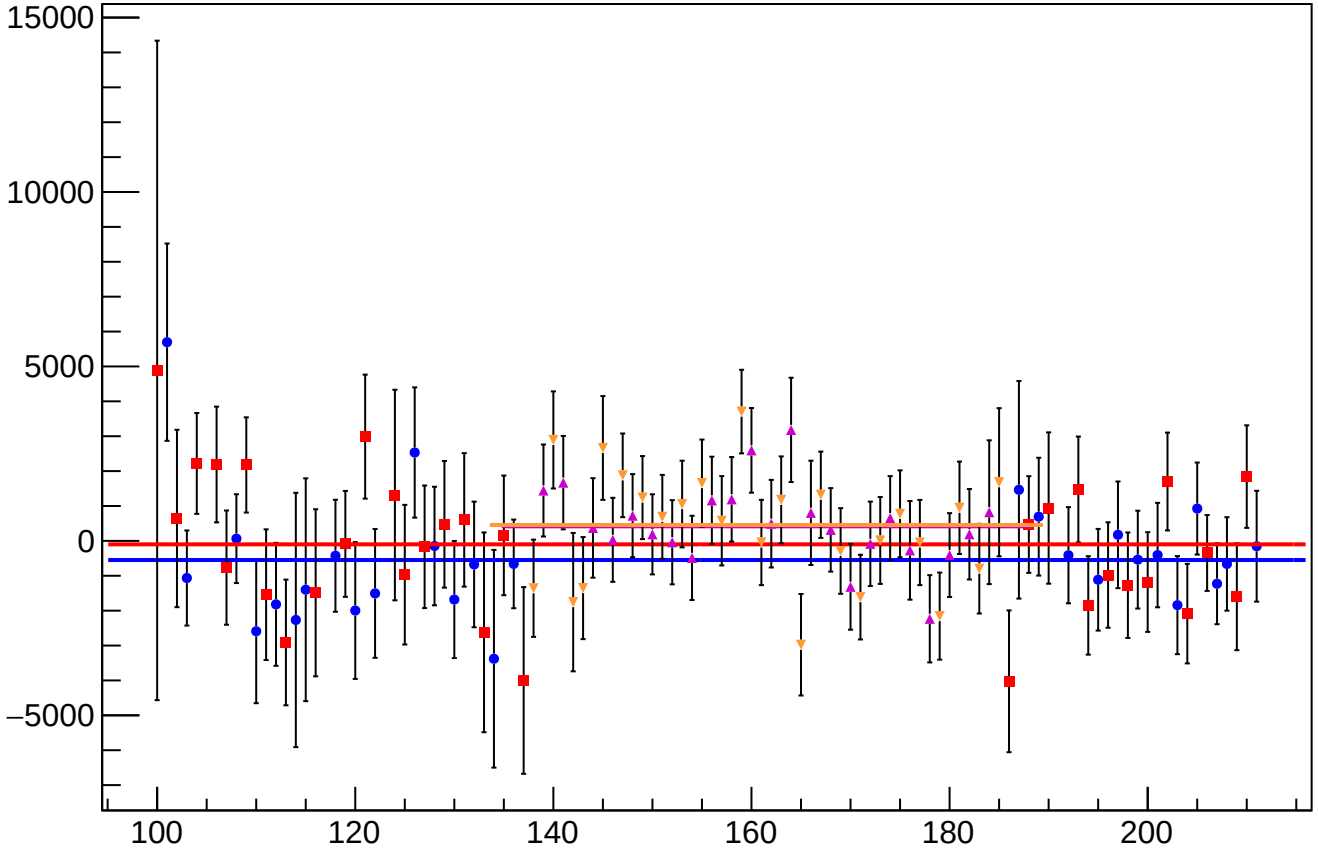
Left In: 3843.328+/-0.648 χ^2/NDF:1196057.8/22

+ sign 3948.200+/-0.480 χ^2/NDF: 3573786.4/52

All: 3862.332+/-0.334 χ^2/NDF: 9288760.9/10

- sign 3781.882+/-0.465 χ^2/NDF: 5652965.2/54

eigen_dit_asym_usr_atr2_dd_mean vs Slug



Right In: -548.530+/-307.384 χ^2/NDF: 15.8/27

Left Out: 455.716+/-261.006 χ^2/NDF:36.1/24

Right Out: -99.597+/-297.346 χ^2/NDF: 32.3/31

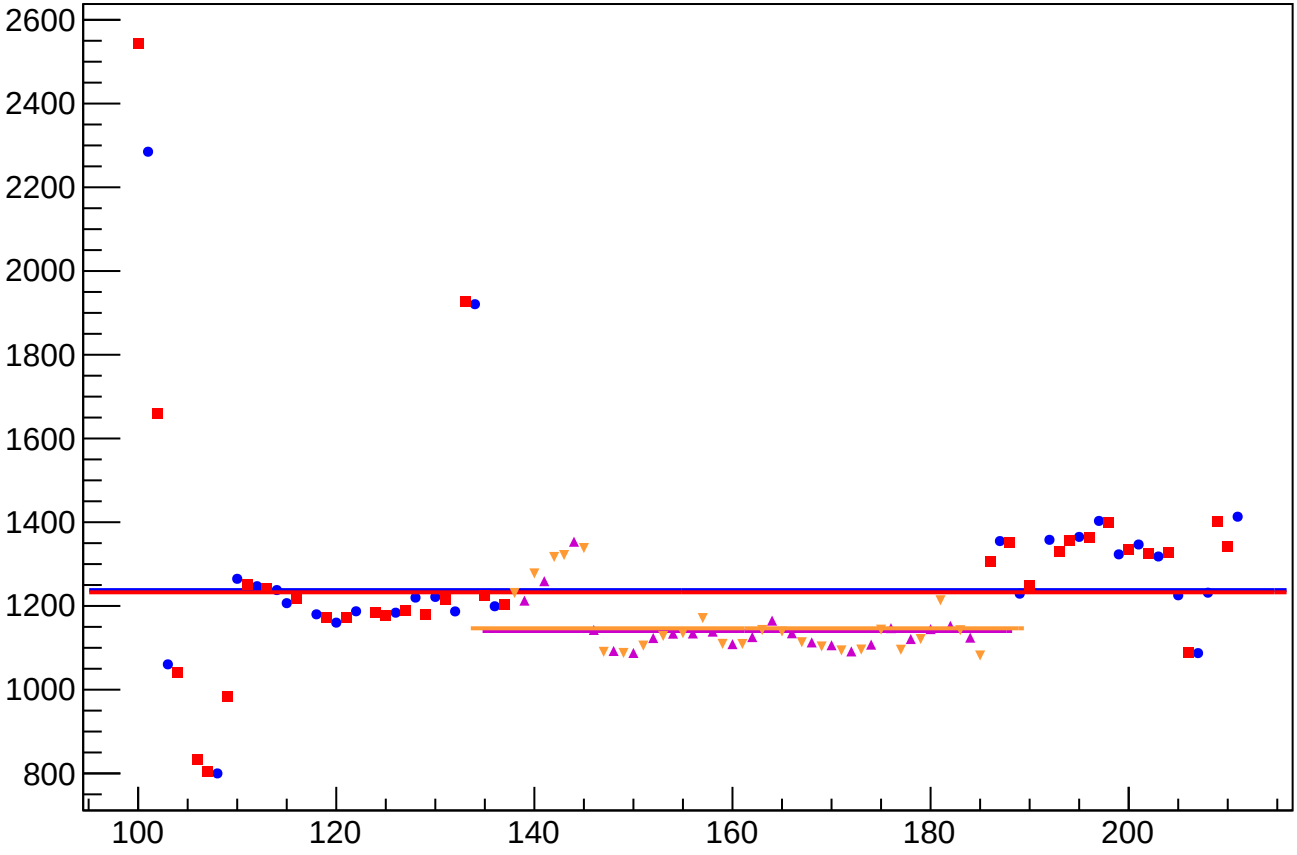
Left In: 417.201+/-266.583 χ^2/NDF:17.3/22

+ sign 34.993+/-198.957 χ^2/NDF: 58.1/52

All: 111.130+/-140.519 χ^2/NDF: 109.8/107

- sign 186.911+/-198.490 χ^2/NDF: 51.3/54

eigen_dit_asym_usr_atr2_dd_rms vs Slug



Right In: 1237.822+/-0.217 χ^2/NDF: 793500.4/27

Left Out: 1146.614+/-0.185 χ^2/NDF:141015.8/24

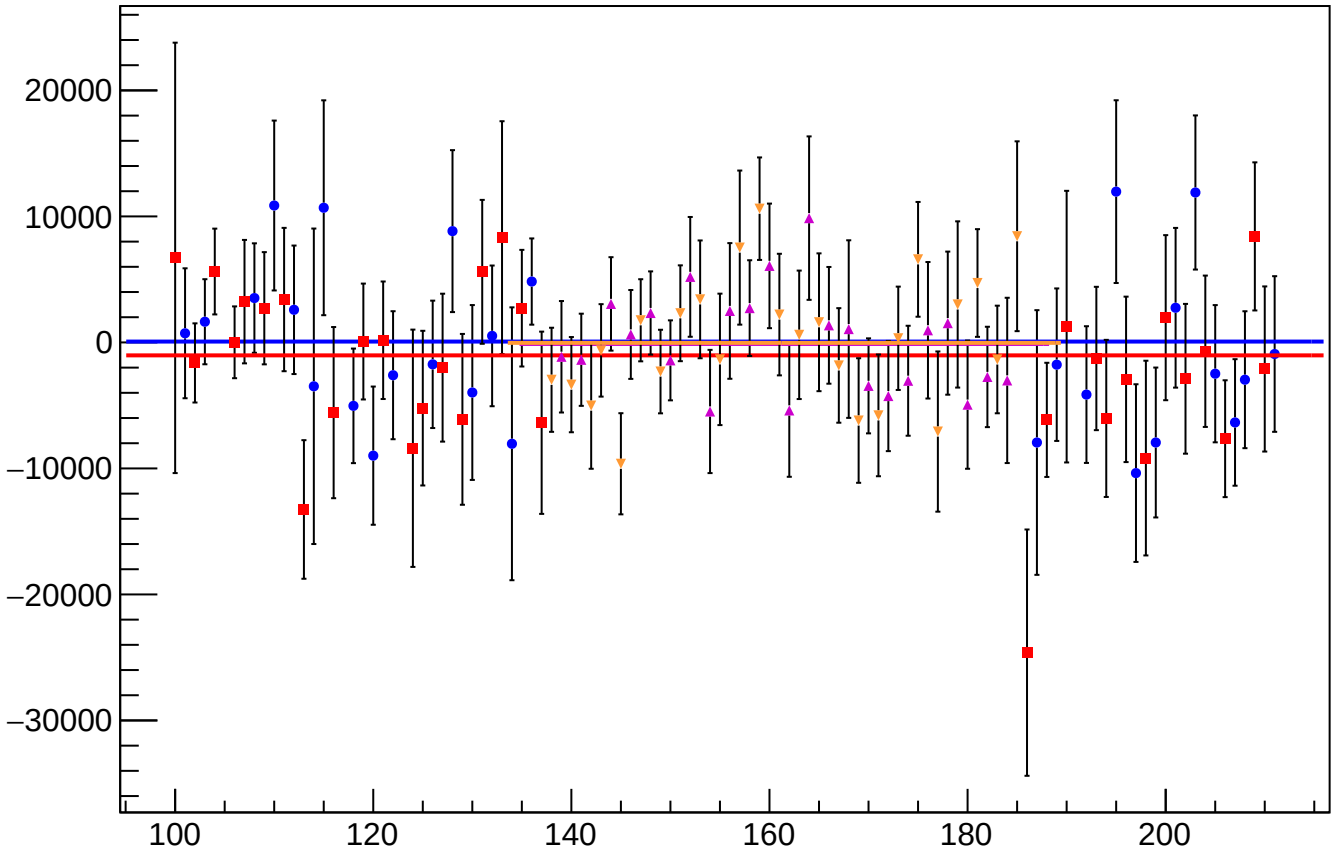
Right Out: 1232.584+/-0.210 χ^2/NDF: 759234.0/31

Left In: 1140.169+/-0.189 χ^2/NDF:84737.2/22

+ sign 1184.825+/-0.141 χ^2/NDF: 1036833.8/52

All: 1183.088+/-0.099 χ^2/NDF: 1988238.4/10

- sign 1181.359+/-0.140 χ^2/NDF: 951100.4/54



Right In: 67.748+/-1046.899 χ^2/NDF: 28.5/27

Left Out: -33.548+/-891.372 χ^2/NDF:27.8/24

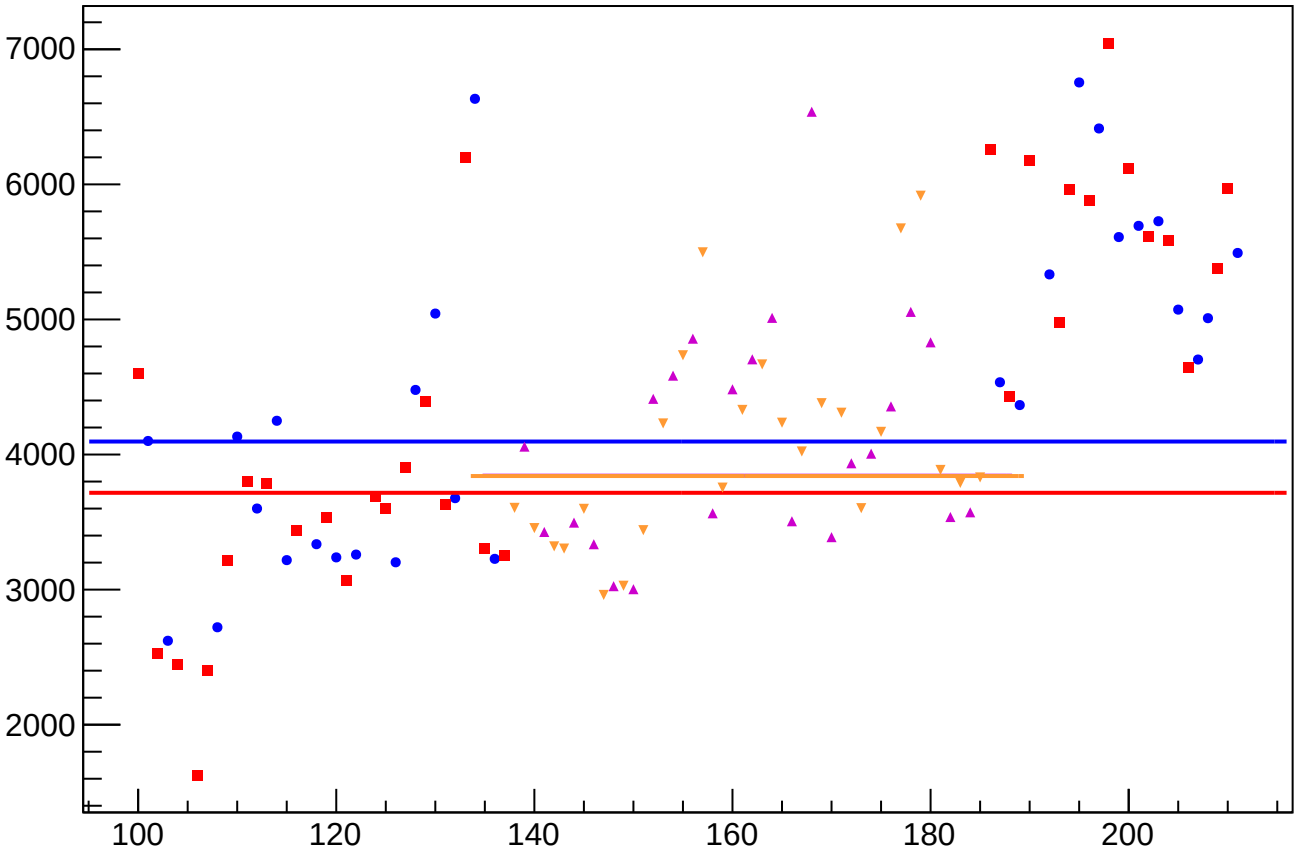
Right Out: -1027.471+/-942.965 χ^2/NDF: 31.0/31

Left In: -121.054+/-915.716 χ^2/NDF:13.8/22

+ sign 9.024+/-678.689 χ^2/NDF: 56.2/52

All: -285.259+/-472.025 χ^2/NDF: 101.8/107

- sign -560.977+/-656.931 χ^2/NDF: 45.2/54



Right In: 4096.305+/-0.740 χ^2/NDF: 2386086.6/27

Left Out: 3840.836+/-0.630 χ^2/NDF:1118668.2/24

Right Out: 3716.720+/-0.667 χ^2/NDF: 4438379.1/31

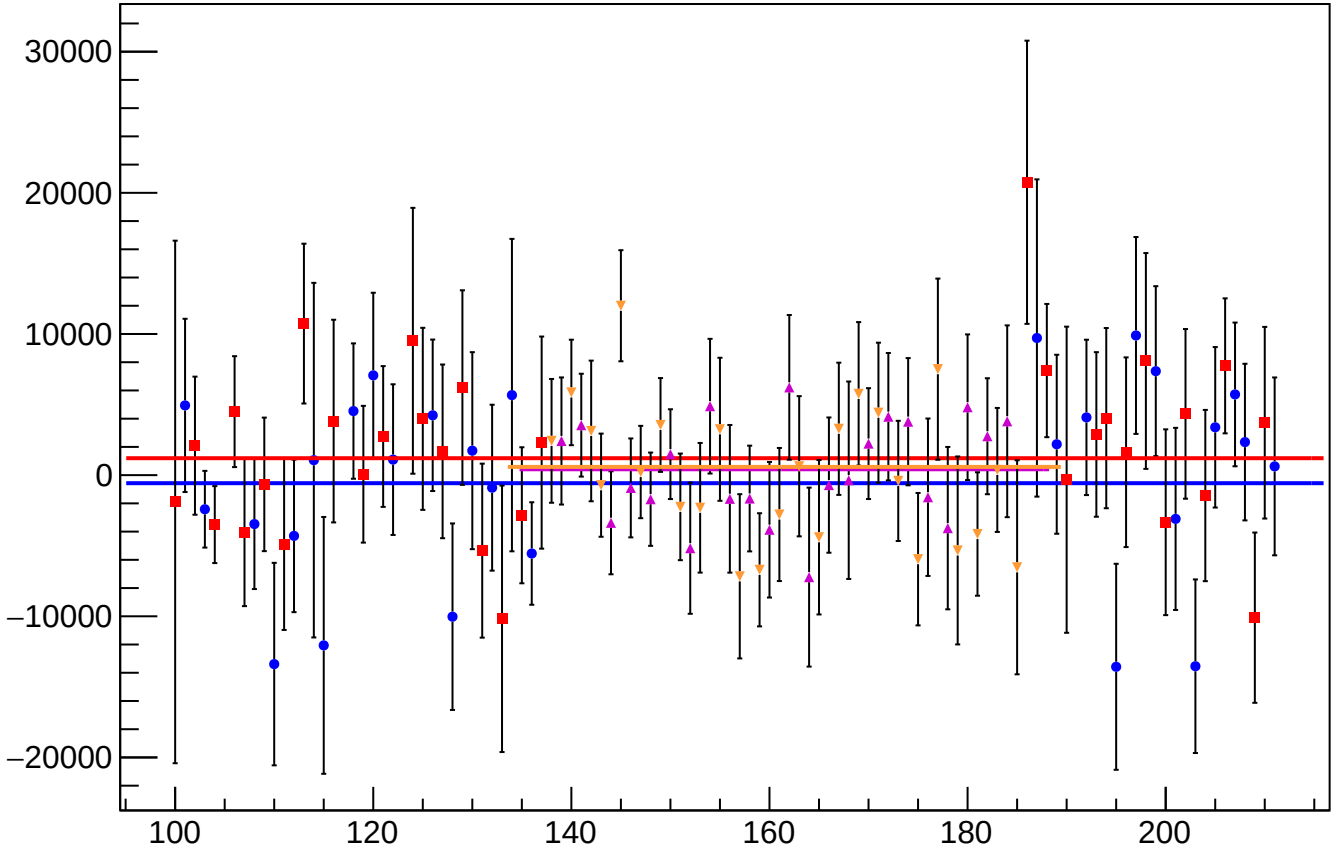
Left In: 3843.333+/-0.648 χ^2/NDF:1196061.6/22

\+ sign 3948.202+/-0.480 χ^2/NDF: 3573797.9/52

All: 3862.334+/-0.334 χ^2/NDF: 9288806.9/10

\- sign 3781.882+/-0.465 χ^2/NDF: 5652998.1/54

asym_usr_atr2_dd_mean vs Slug



Right In: -570.198+/-1059.677 χ^2/NDF: 30.9/27

Left Out: 583.278+/-894.900 χ^2/NDF:27.4/24

Right Out: 1200.367+/-1002.742 χ^2/NDF: 27.0/31

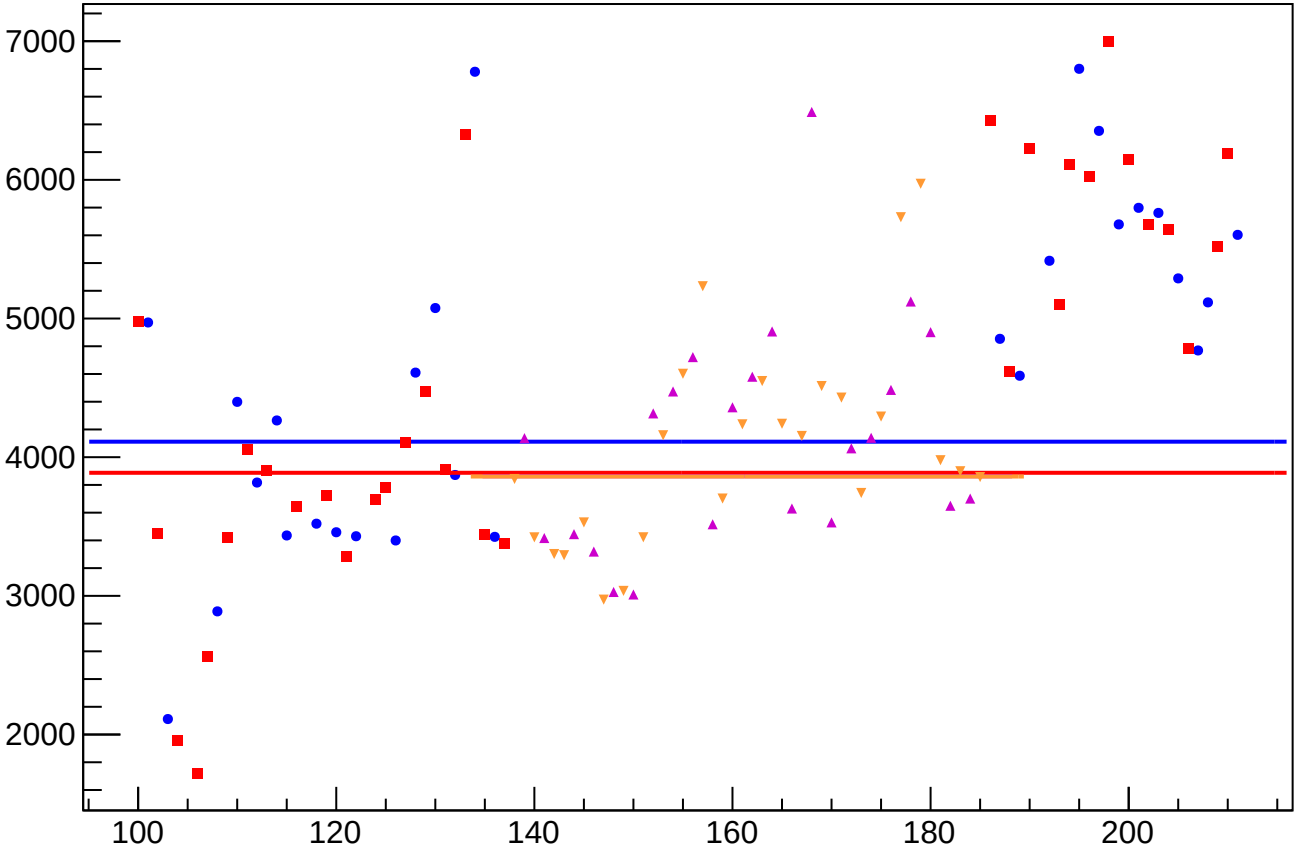
Left In: 416.803+/-919.006 χ^2/NDF:12.5/22

\+ sign 103.096+/-683.711 χ^2/NDF: 59.0/52

All: 441.861+/-481.248 χ^2/NDF: 99.3/107

\- sign 774.508+/-677.508 χ^2/NDF: 39.8/54

asym_usr_atr2_dd_rms vs Slug



Right In: 4111.840+/-0.749 χ^2/NDF: 2971236.5/27

Left Out: 3860.536+/-0.633 χ^2/NDF:1097292.6/24

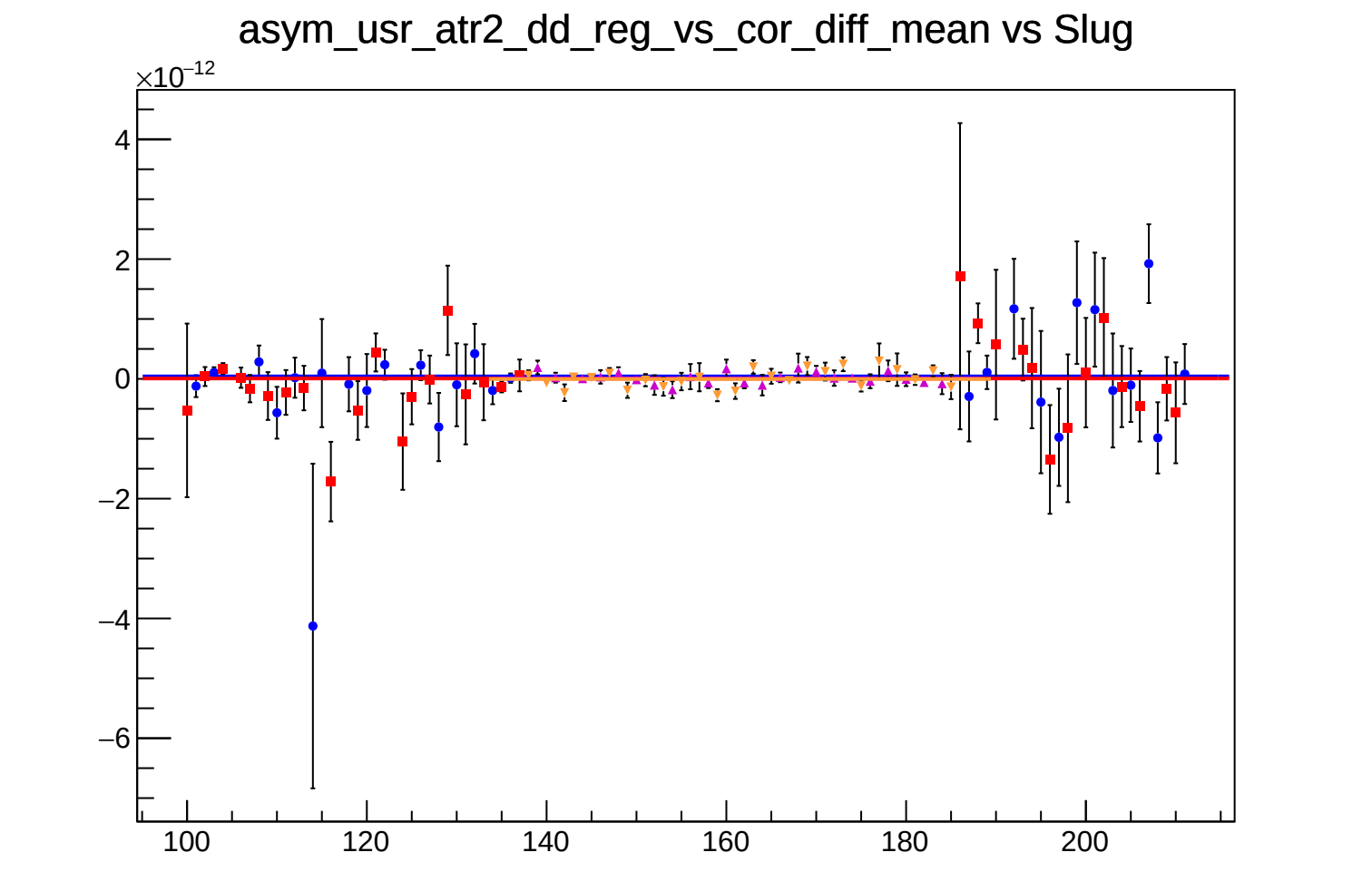
Right Out: 3887.517+/-0.701 χ^2/NDF: 4371623.1/31

Left In: 3862.339+/-0.650 χ^2/NDF:1142179.8/22

\+ sign 3965.152+/-0.483 χ^2/NDF: 4134185.4/52

All: 3918.910+/-0.339 χ^2/NDF: 9666720.9/10

\- sign 3873.975+/-0.477 χ^2/NDF: 5514496.7/54



Right In: 0.000+/-0.000 χ^2/NDF: 29.7/27

Left Out: -0.000+/-0.000 χ^2/NDF:34.3/24

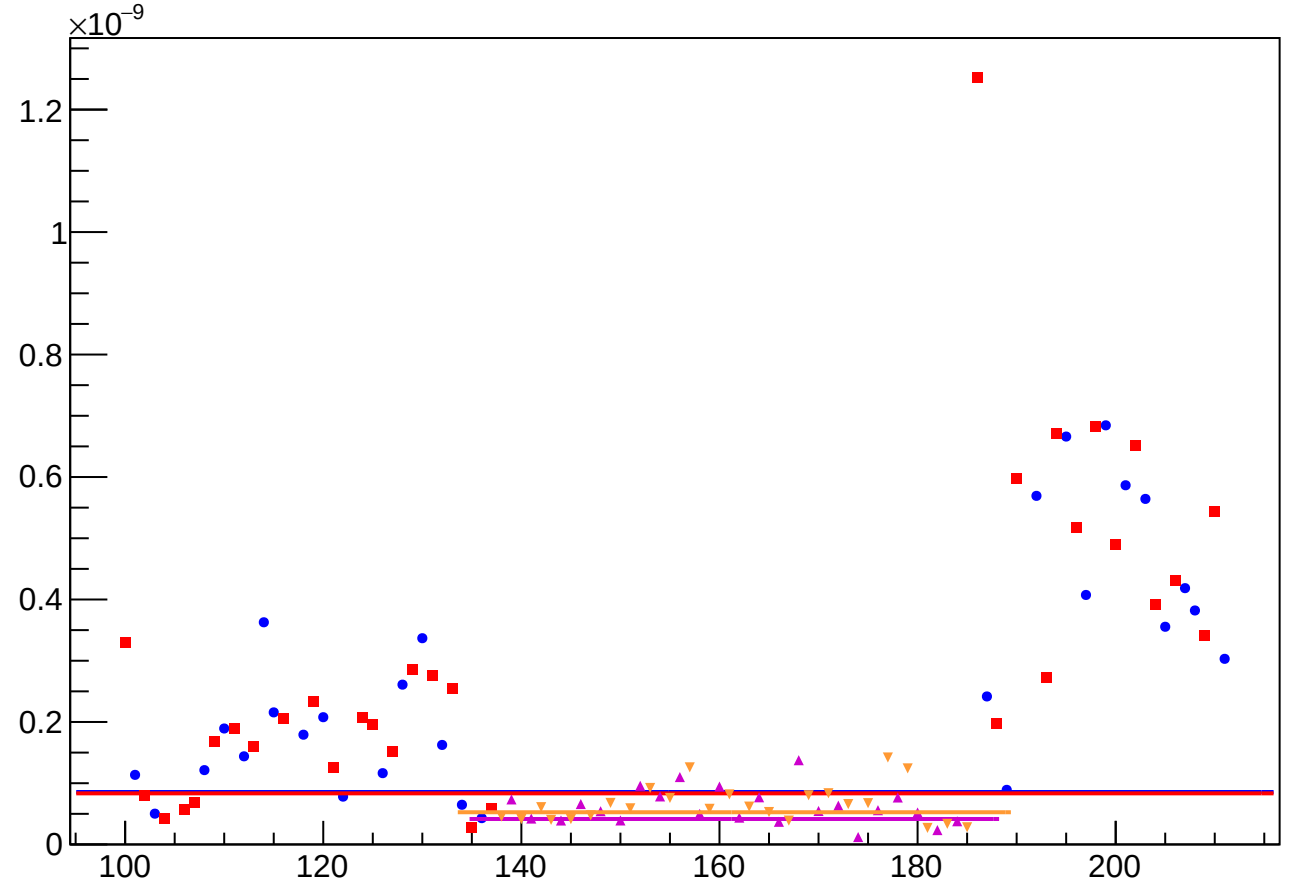
Right Out: 0.000+/-0.000 χ^2/NDF: 36.2/31

Left In: 0.000+/-0.000 χ^2/NDF:12.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 64.7/52

All: 0.000+/-0.000 χ^2/NDF: 113.8/107

- sign 0.000+/-0.000 χ^2/NDF: 49.1/54



Right In: 0.000+/-0.000 χ^2/NDF: 7017616.3/27

Left Out: 0.000+/-0.000 χ^2/NDF:1611629.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8675472.6/31

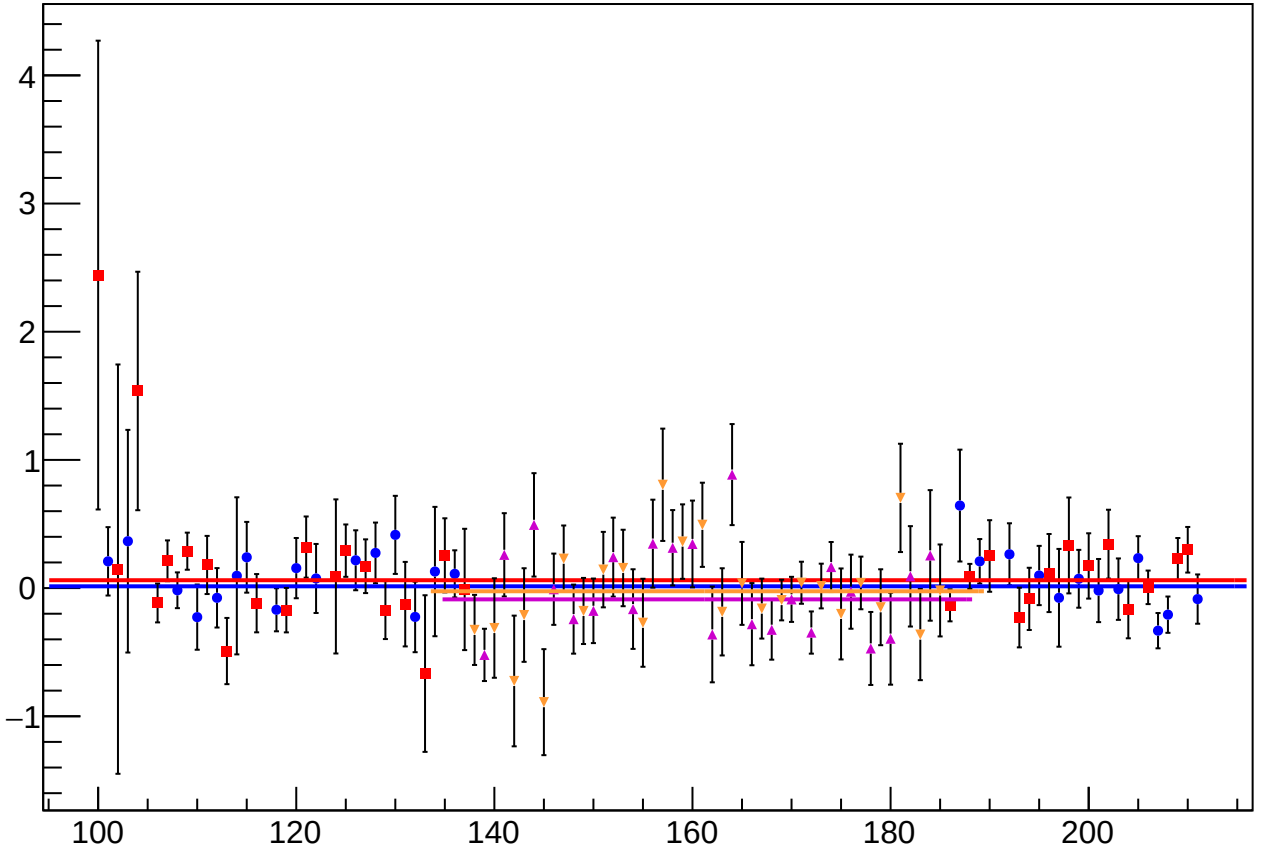
Left In: 0.000+/-0.000 χ^2/NDF:2939628.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 9444671.0/52

All: 0.000+/-0.000 χ^2/NDF: 22697045.7/107

- sign 0.000+/-0.000 χ^2/NDF: 12926333.9/54

asym_usr_atr2_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.014+/-0.042 χ^2/NDF: 24.3/27

Left Out: -0.025+/-0.055 χ^2/NDF:24.1/24

Right Out: 0.061+/-0.037 χ^2/NDF: 33.0/31

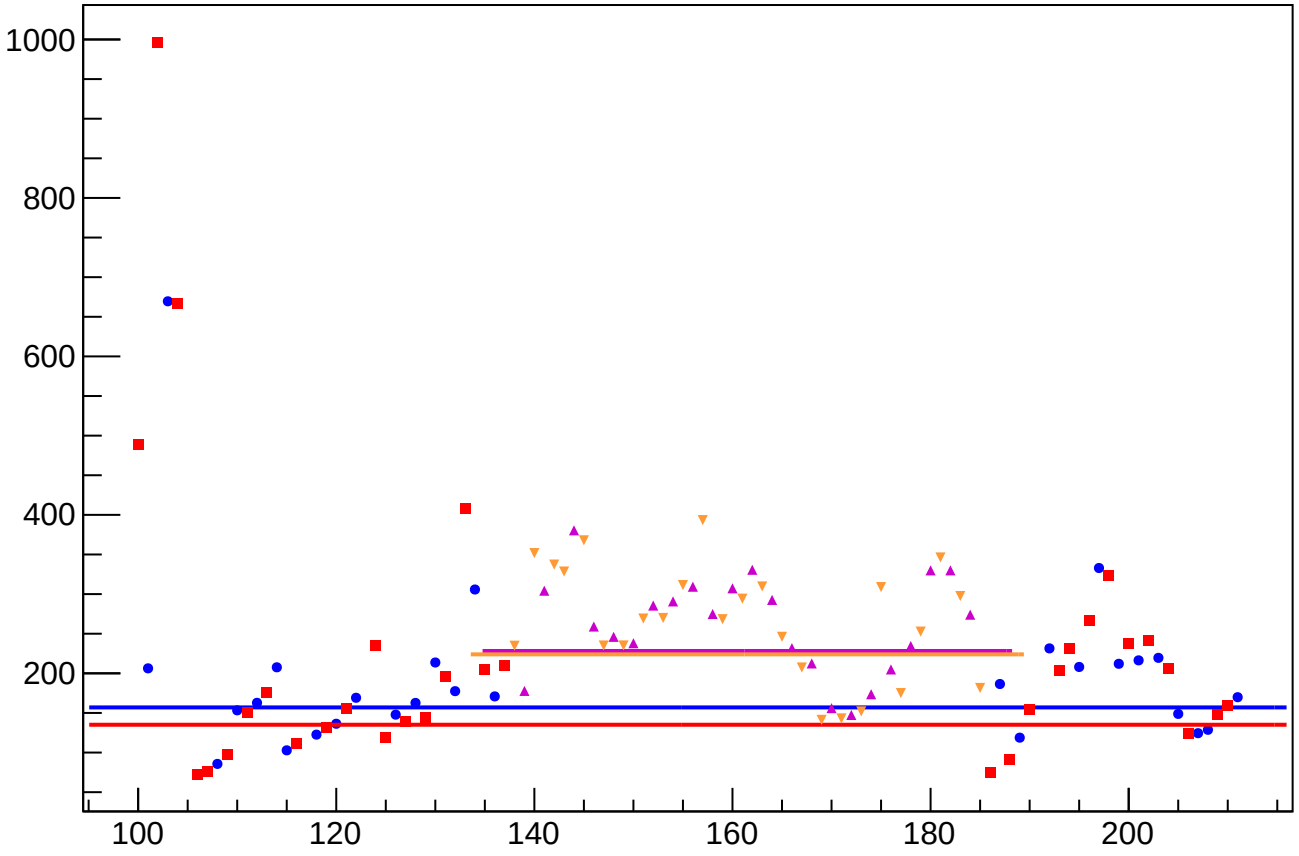
Left In: -0.088+/-0.057 χ^2/NDF:30.0/22

+ sign -0.000+/-0.033 χ^2/NDF: 48.7/52

All: 0.009+/-0.023 χ^2/NDF: 116.8/107

- sign 0.017+/-0.031 χ^2/NDF: 68.0/54

asym_usr_atr2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 156.972+/-0.029 χ^2/NDF: 3147673.5/27

Left Out: 223.945+/-0.039 χ^2/NDF:3438444.8/24

Right Out: 135.105+/-0.026 χ^2/NDF: 6033951.3/31

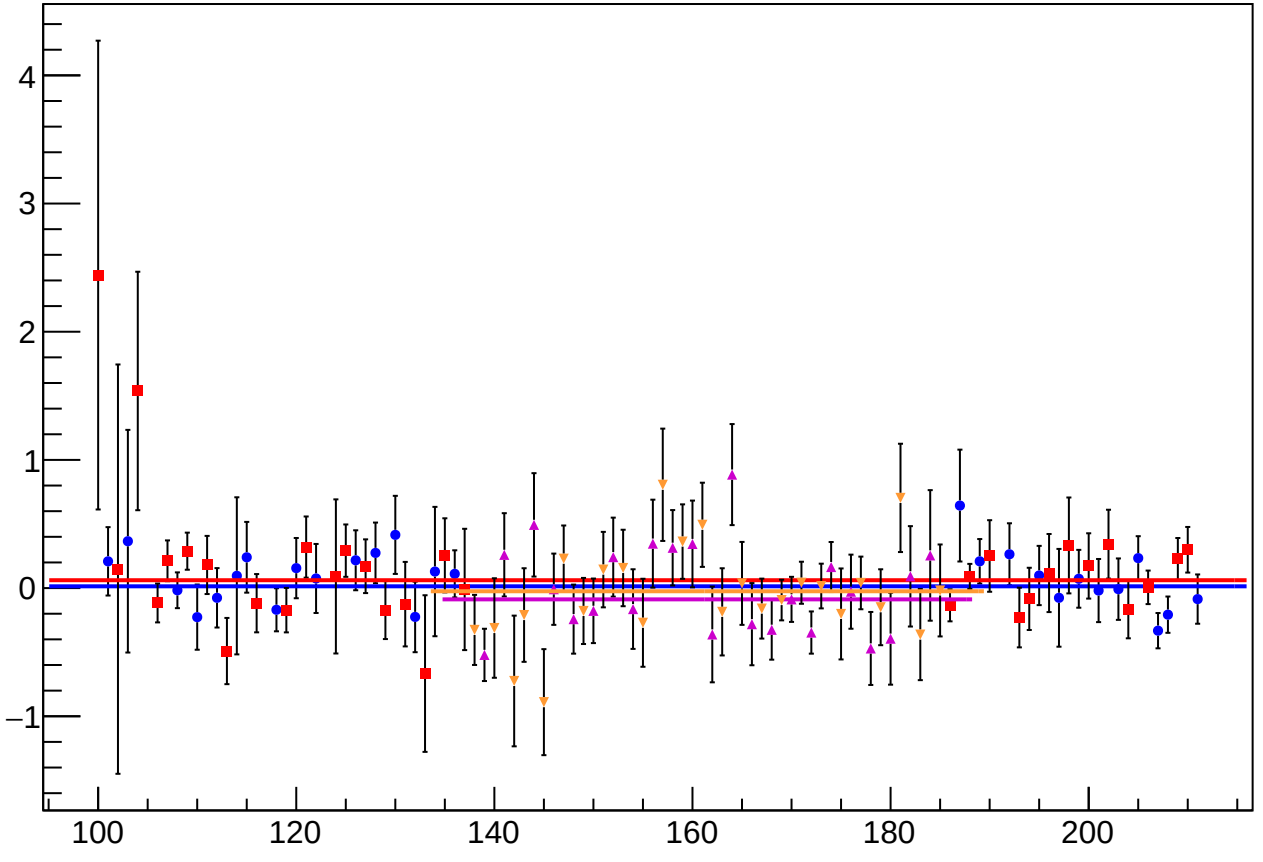
Left In: 228.199+/-0.040 χ^2/NDF:2488915.3/22

+ sign 181.617+/-0.023 χ^2/NDF: 8487943.1/52

All: 171.360+/-0.016 χ^2/NDF: 21177290.4/10

- sign 162.521+/-0.022 χ^2/NDF: 12332254.0/54

asym_usr_atr2_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.014+/-0.042 χ^2/NDF: 24.3/27

Left Out: -0.025+/-0.055 χ^2/NDF:24.1/24

Right Out: 0.061+/-0.037 χ^2/NDF: 33.0/31

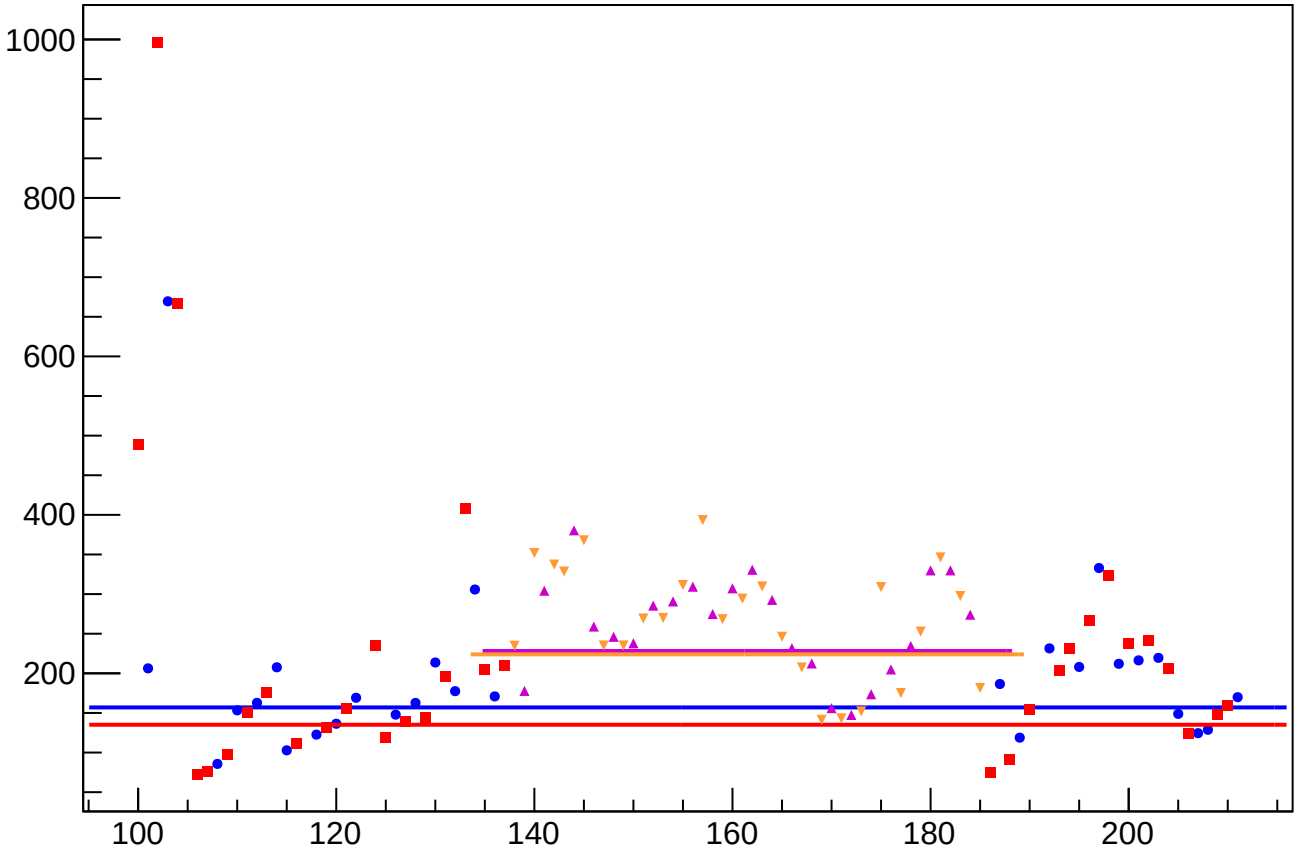
Left In: -0.088+/-0.057 χ^2/NDF:30.0/22

+ sign -0.000+/-0.033 χ^2/NDF: 48.7/52

All: 0.009+/-0.023 χ^2/NDF: 116.8/107

- sign 0.017+/-0.031 χ^2/NDF: 68.0/54

asym_usr_atr2_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 156.972+/-0.029 χ^2/NDF: 3147673.5/27

Left Out: 223.945+/-0.039 χ^2/NDF:3438444.8/24

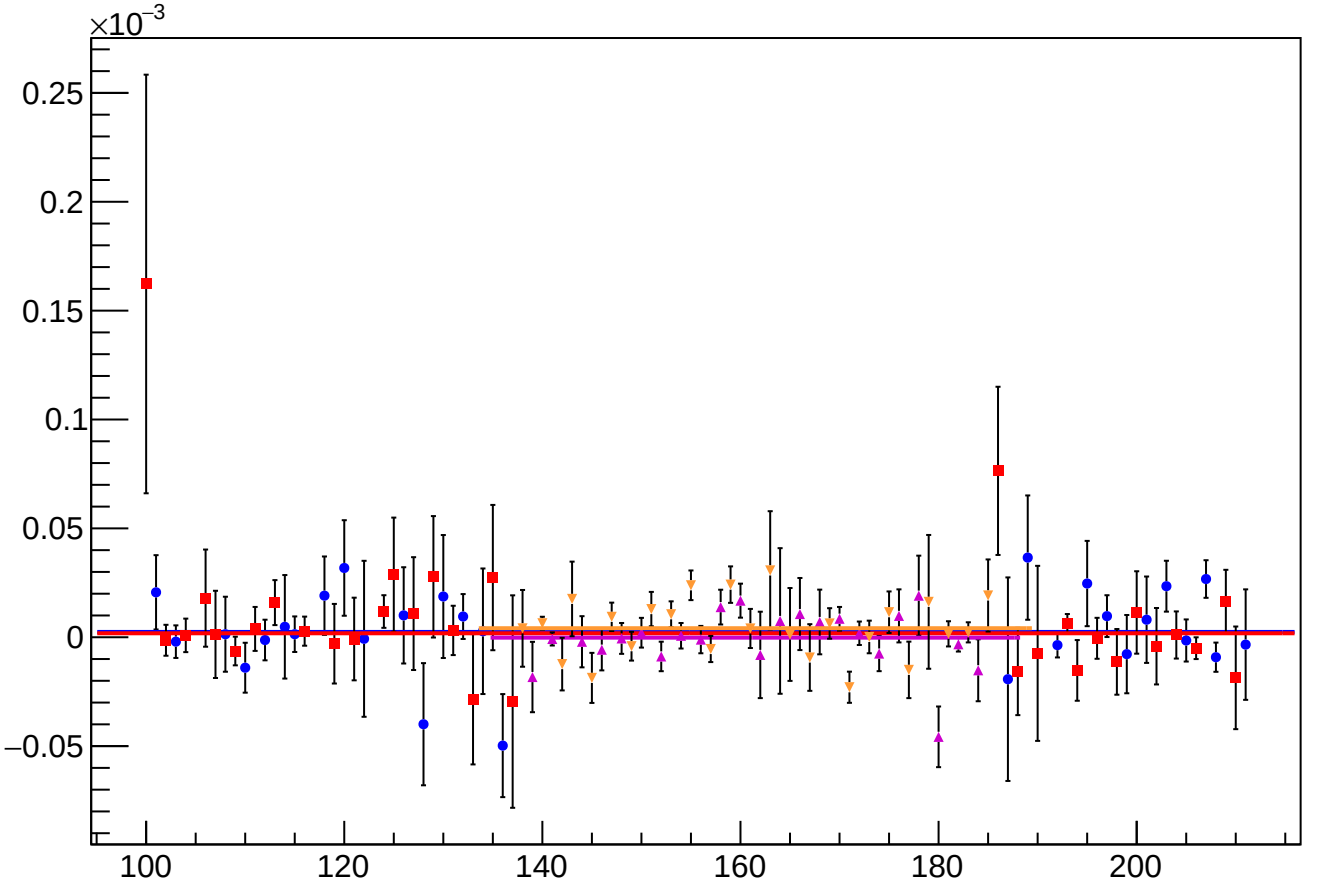
Right Out: 135.105+/-0.026 χ^2/NDF: 6033951.3/31

Left In: 228.199+/-0.040 χ^2/NDF:2488915.3/22

+ sign 181.617+/-0.023 χ^2/NDF: 8487943.1/52

All: 171.360+/-0.016 χ^2/NDF: 21177290.4/10

- sign 162.521+/-0.022 χ^2/NDF: 12332254.0/54



Right In: 0.000+/-0.000 χ^2/NDF: 33.9/27

Left Out: 0.000+/-0.000 χ^2/NDF:48.8/24

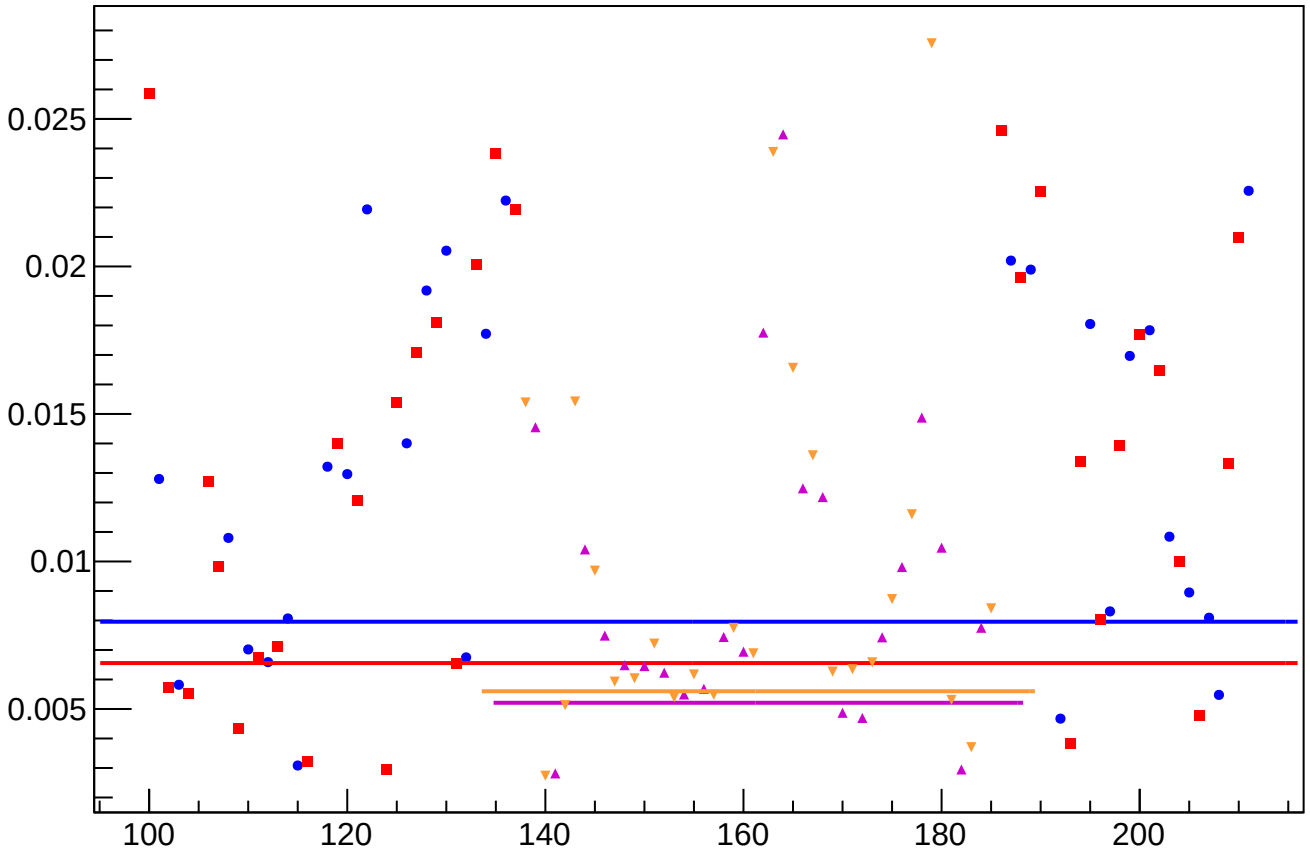
Right Out: 0.000+/-0.000 χ^2/NDF: 24.8/31

Left In: -0.000+/-0.000 χ^2/NDF:30.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 83.1/52

All: 0.000+/-0.000 χ^2/NDF: 142.1/107

- sign 0.000+/-0.000 χ^2/NDF: 55.6/54



Right In: 0.008+/-0.000 χ^2/NDF: 7349349.7/27

Left Out: 0.006+/-0.000 χ^2/NDF:7769287.5/24

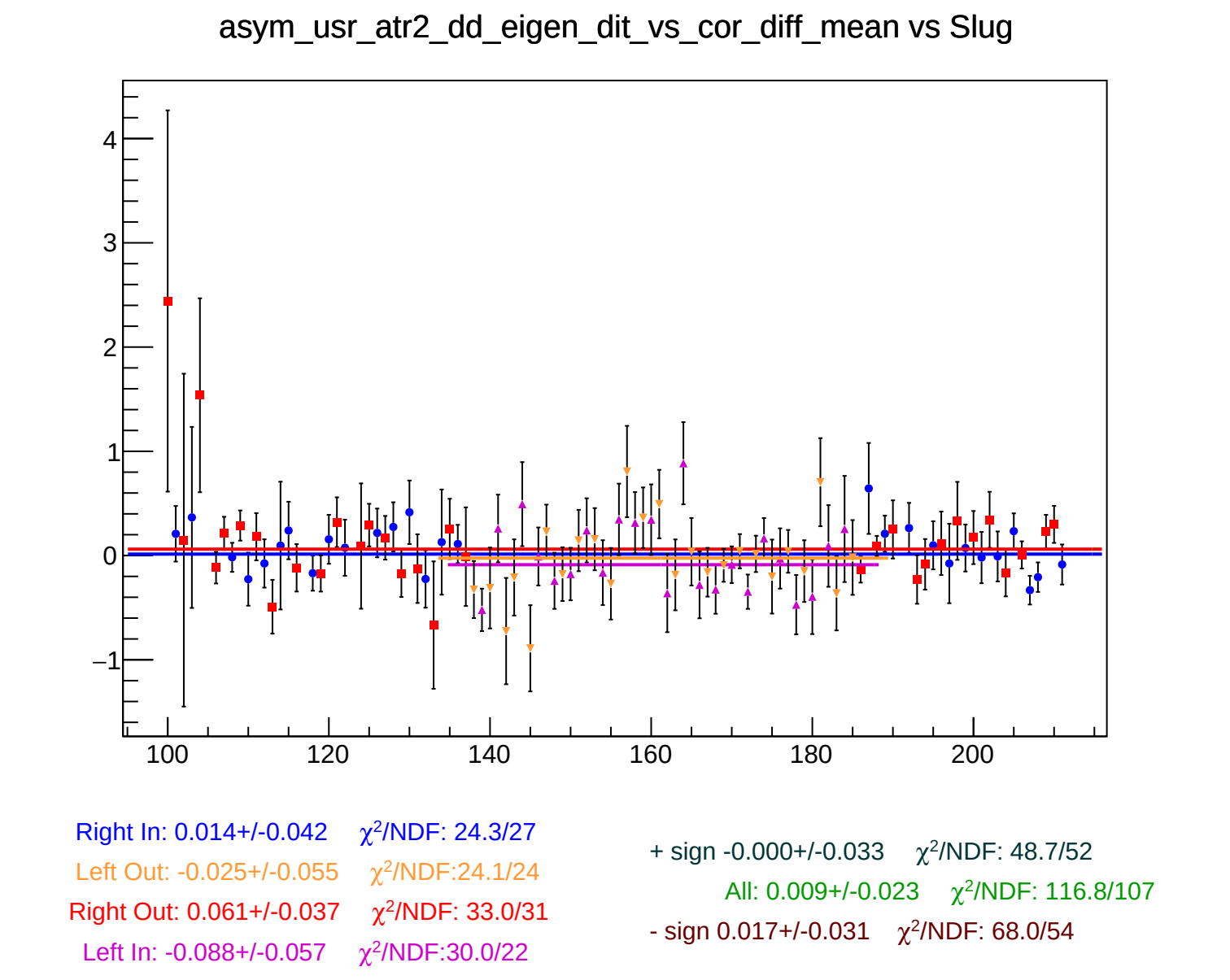
Right Out: 0.007+/-0.000 χ^2/NDF: 10434757.0/31

Left In: 0.005+/-0.000 χ^2/NDF:7460452.2/22

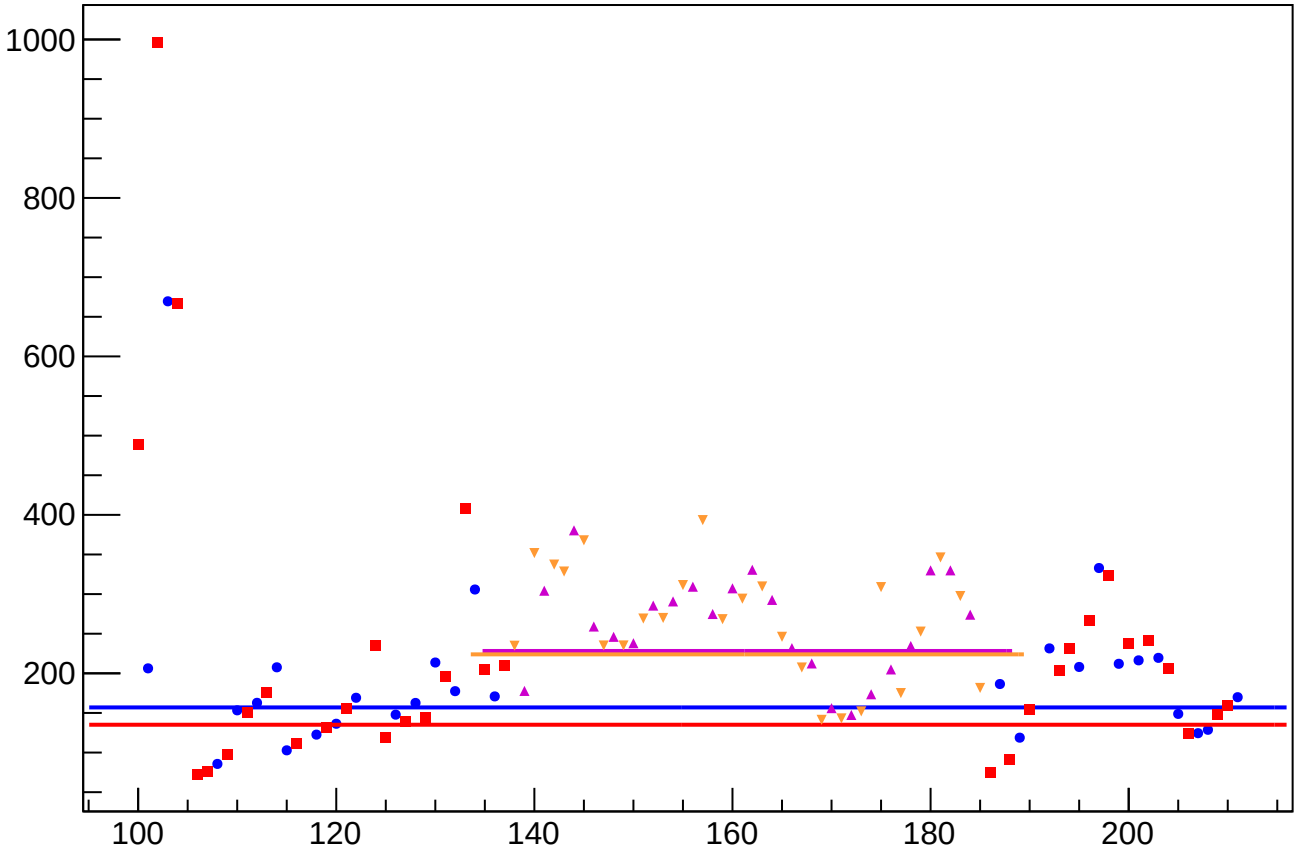
+ sign 0.006+/-0.000 χ^2/NDF: 16619586.6/52

All: 0.006+/-0.000 χ^2/NDF: 35402832.1/107

- sign 0.006+/-0.000 χ^2/NDF: 18542096.9/54


asym_usr_atr2_dd_eigen_dit_vs_cor_diff_mean vs Slug
4
3
2
1
0
−1
100
120
140
160
180
200
Right In: 0.014+/-0.042 χ²/NDF: 24.3/27
Left Out: -0.025+/-0.055 χ²/NDF:24.1/24
Right Out: 0.061+/-0.037 χ²/NDF: 33.0/31
Left In: -0.088+/-0.057 χ²/NDF:30.0/22
+ sign -0.000+/-0.033 χ²/NDF: 48.7/52
All: 0.009+/-0.023 χ²/NDF: 116.8/107
- sign 0.017+/-0.031 χ²/NDF: 68.0/54

asym_usr_atr2_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 156.970+/-0.029 χ^2/NDF: 3147842.8/27

Left Out: 223.946+/-0.039 χ^2/NDF:3438541.7/24

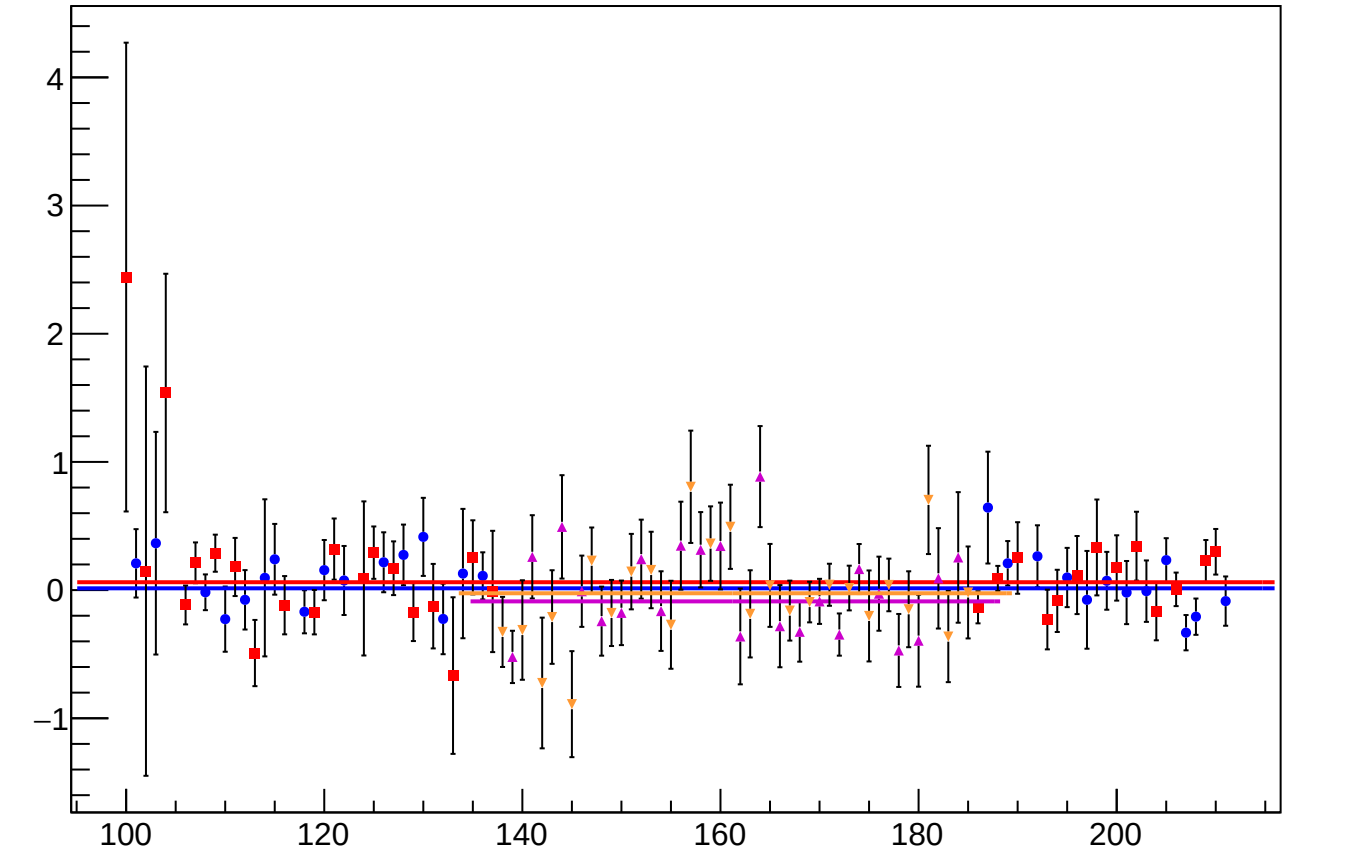
Right Out: 135.109+/-0.026 χ^2/NDF: 6033427.9/31

Left In: 228.201+/-0.040 χ^2/NDF:2488951.6/22

\+ sign 181.616+/-0.023 χ^2/NDF: 8488393.5/52

All: 171.362+/-0.016 χ^2/NDF: 21176799.0/10

\- sign 162.525+/-0.022 χ^2/NDF: 12331500.3/54



Right In: 0.014+/-0.042 χ^2/NDF: 24.3/27

Left Out: -0.025+/-0.055 χ^2/NDF:24.1/24

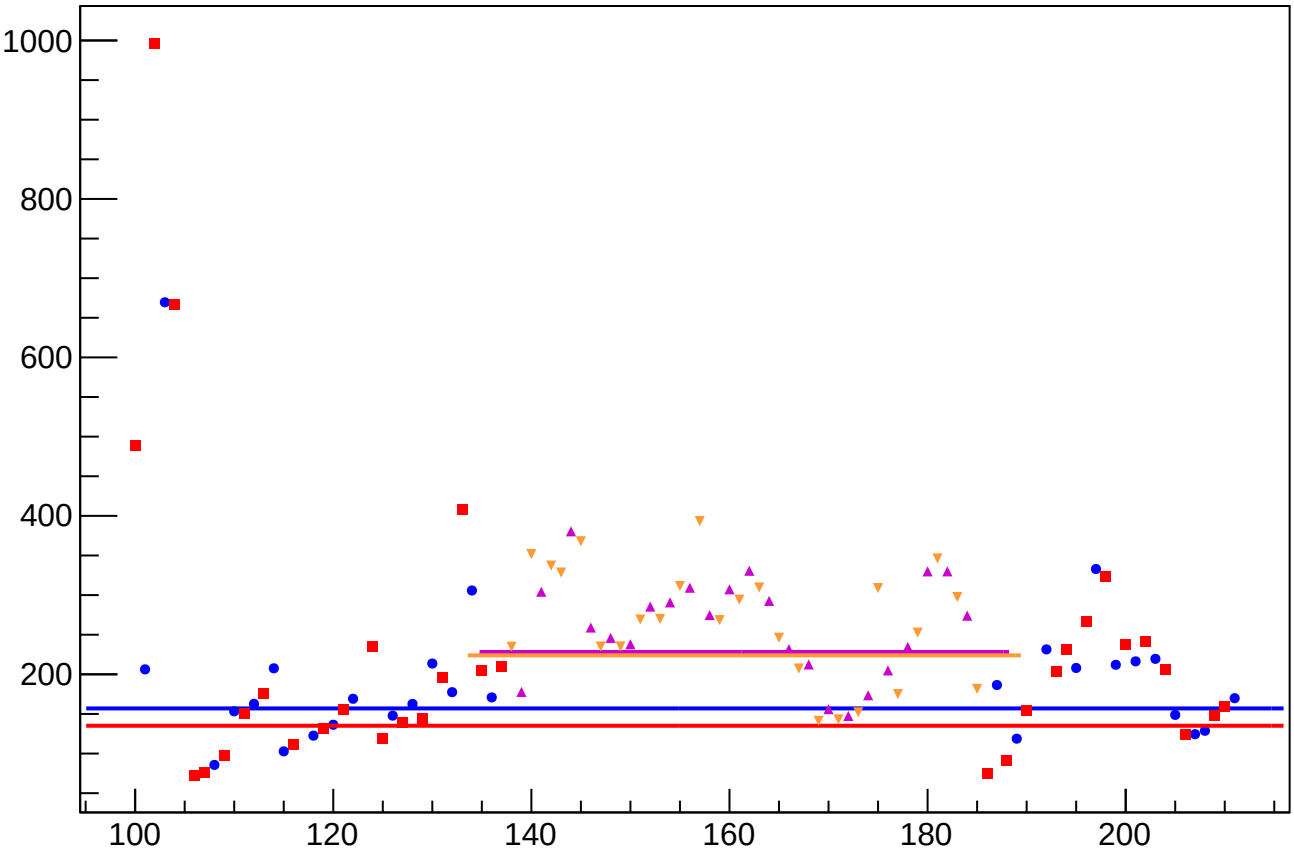
Right Out: 0.061+/-0.037 χ^2/NDF: 33.0/31

Left In: -0.088+/-0.057 χ^2/NDF:30.0/22

\+ sign -0.000+/-0.033 χ^2/NDF: 48.7/52

All: 0.009+/-0.023 χ^2/NDF: 116.8/107

\- sign 0.017+/-0.031 χ^2/NDF: 68.0/54



Right In: 156.970+/-0.029 χ^2/NDF: 3147842.8/27

Left Out: 223.946+/-0.039 χ^2/NDF:3438541.7/24

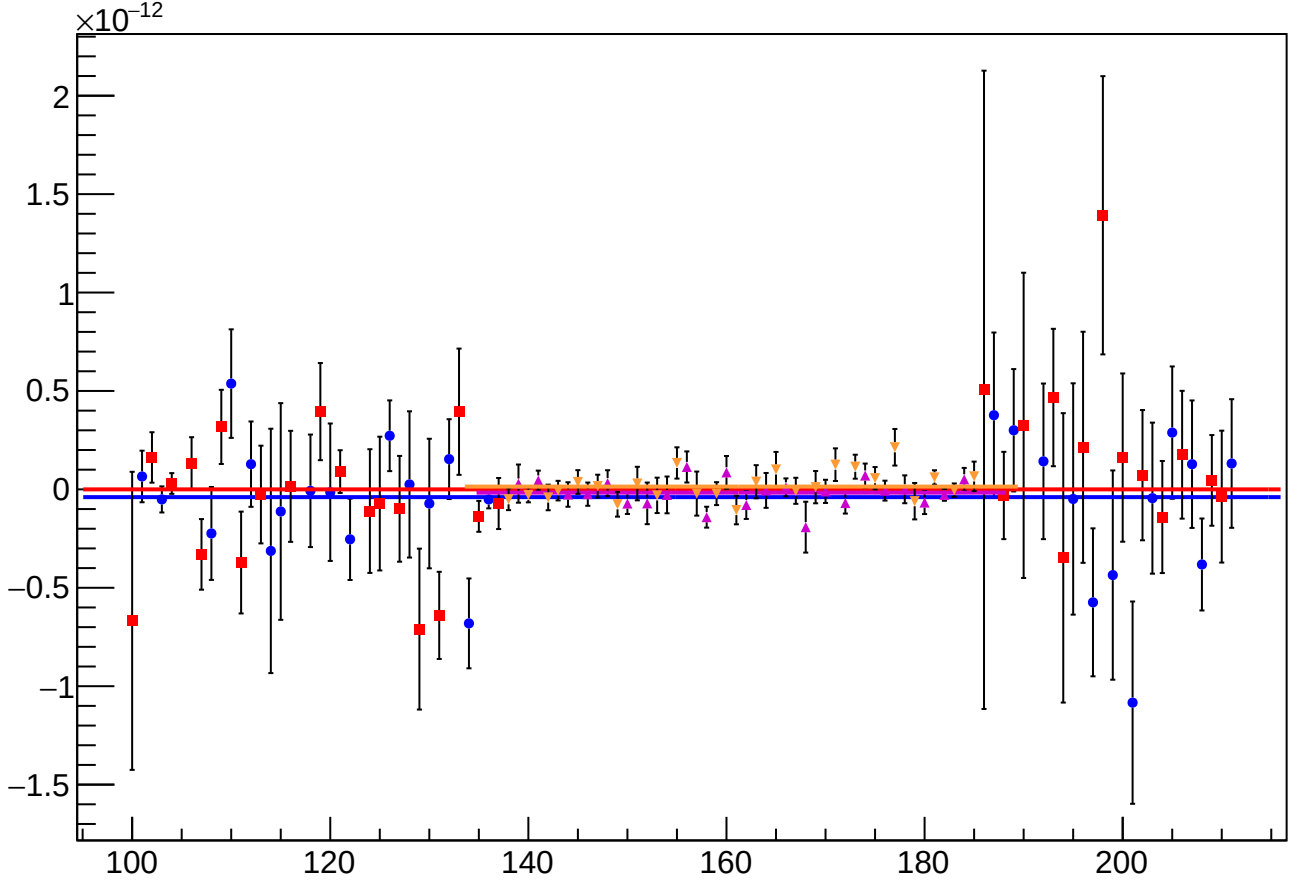
Right Out: 135.109+/-0.026 χ^2/NDF: 6033427.9/31

Left In: 228.201+/-0.040 χ^2/NDF:2488951.6/22

+ sign 181.616+/-0.023 χ^2/NDF: 8488393.5/52

All: 171.362+/-0.016 χ^2/NDF: 21176799.0/10

- sign 162.525+/-0.022 χ^2/NDF: 12331500.3/54



Right In: -0.000+/-0.000 χ^2/NDF: 32.2/27

Left Out: 0.000+/-0.000 χ^2/NDF:25.3/24

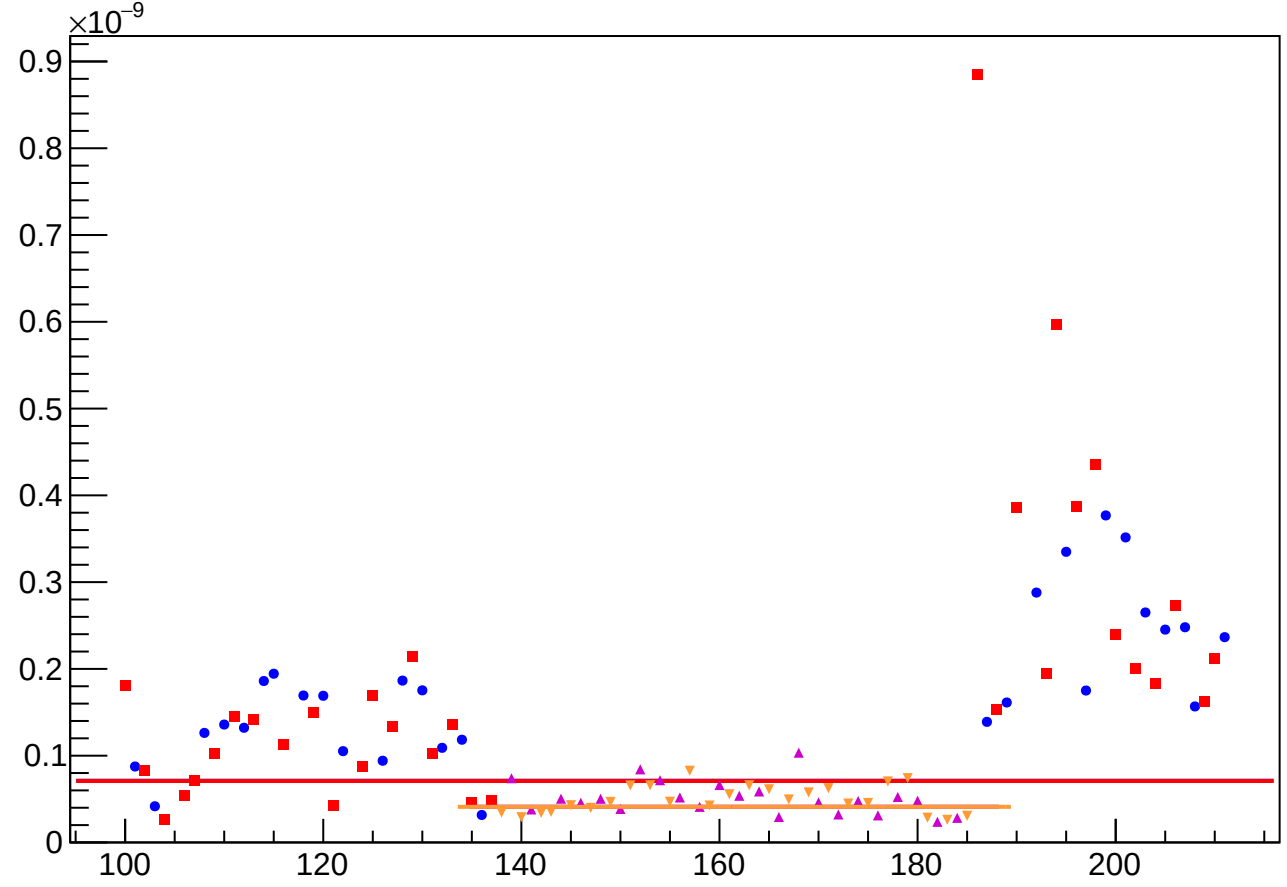
Right Out: -0.000+/-0.000 χ^2/NDF: 38.9/31

Left In: -0.000+/-0.000 χ^2/NDF:21.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 60.2/52

All: -0.000+/-0.000 χ^2/NDF: 122.9/107

- sign -0.000+/-0.000 χ^2/NDF: 60.9/54



Right In: 0.000+/-0.000 χ^2/NDF: 8579223.8/27

Left Out: 0.000+/-0.000 χ^2/NDF:2644306.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9046360.4/31

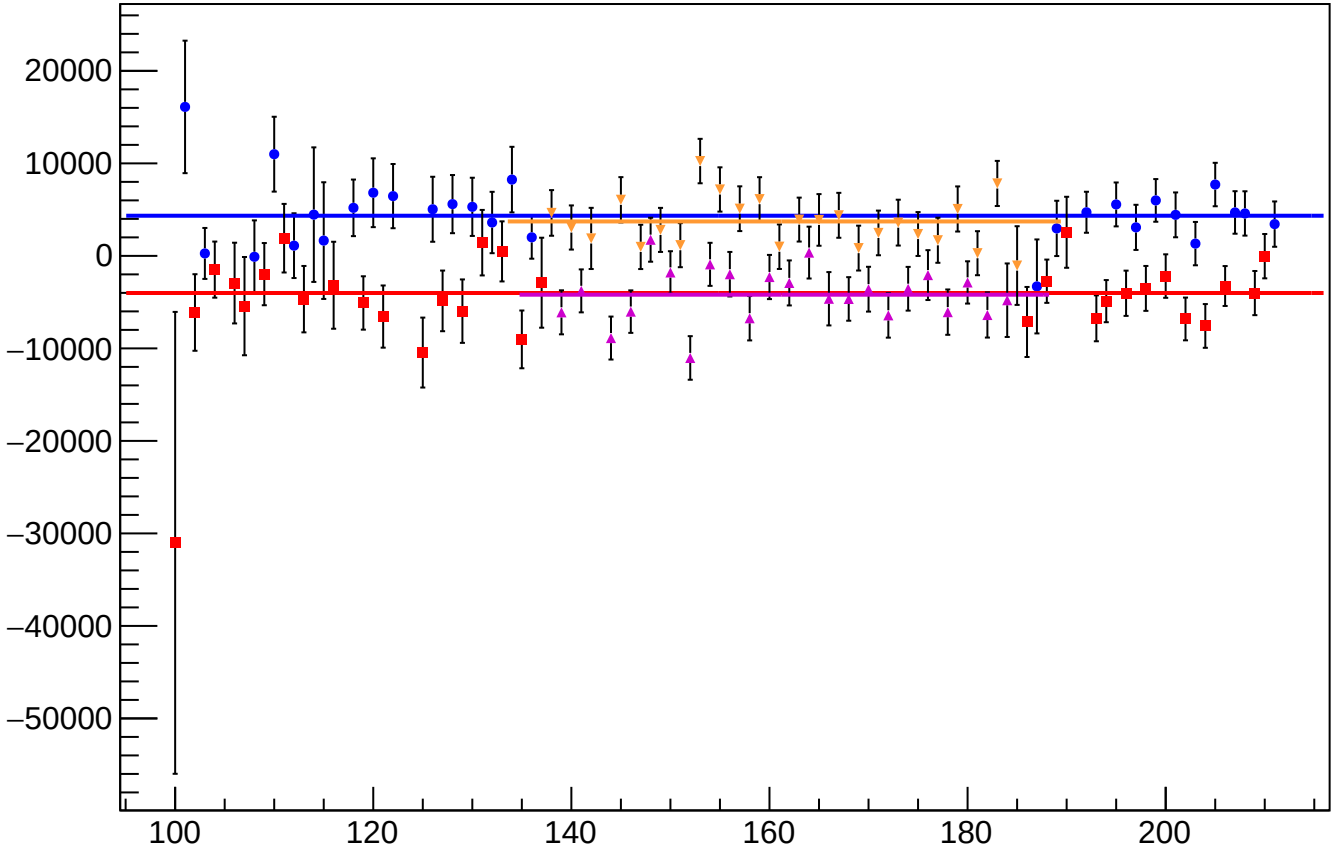
Left In: 0.000+/-0.000 χ^2/NDF:2852113.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 12884719.4/52

All: 0.000+/-0.000 χ^2/NDF: 26407812.9/107

- sign 0.000+/-0.000 χ^2/NDF: 13522264.3/54

reg_asym_us_avg_at1lr_avg_avg_mean vs Slug



Right In: 4340.483+/-554.070 χ^2/NDF: 20.8/27

Left Out: 3723.486+/-507.155 χ^2/NDF:25.4/23

Right Out: -4011.829+/-539.045 χ^2/NDF: 28.7/30

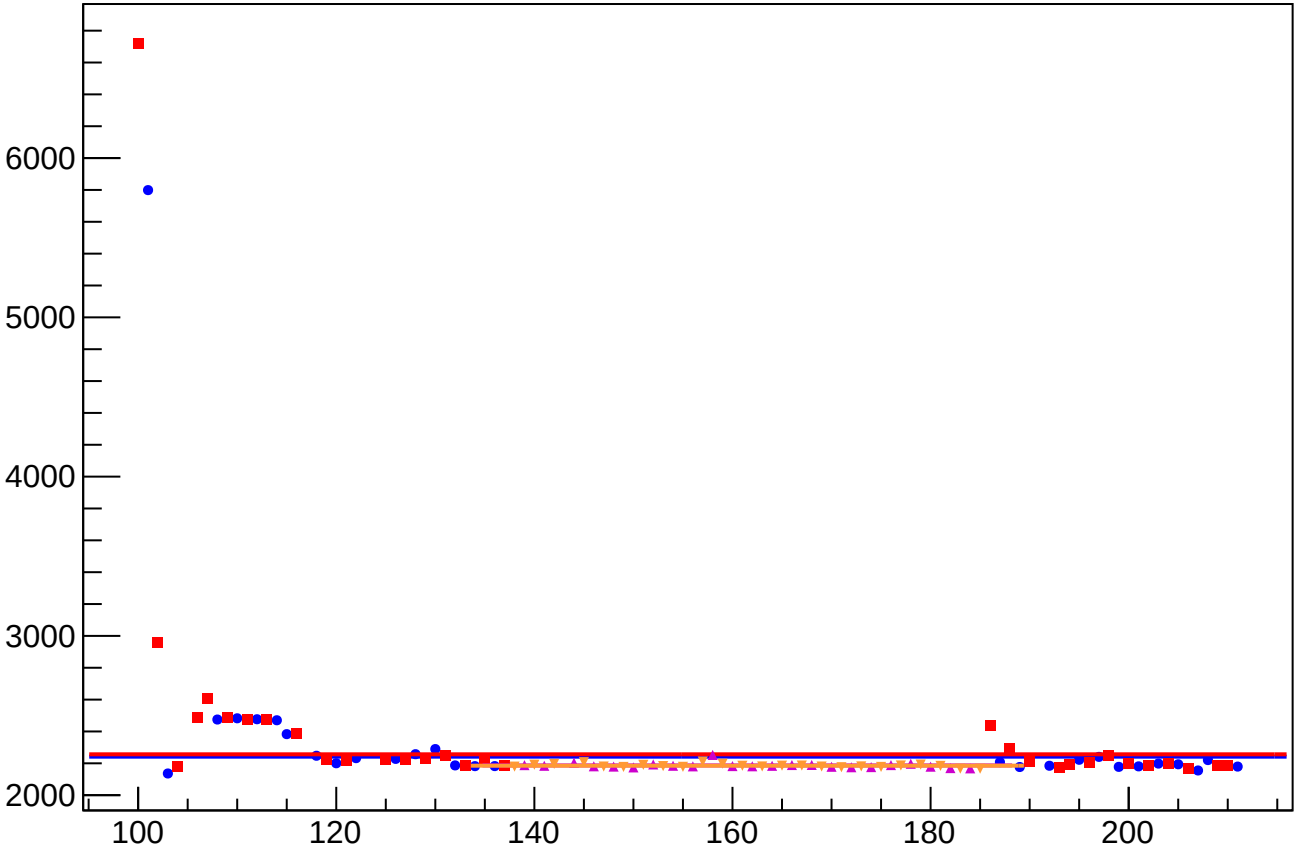
Left In: -4195.942+/-510.578 χ^2/NDF:32.1/22

+ sign 4004.761+/-374.101 χ^2/NDF: 46.9/51

All: -89.231+/-263.315 χ^2/NDF: 345.2/105

- sign -4108.875+/-370.689 χ^2/NDF: 60.9/53

reg_asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 2241.805+/-0.392 χ^2/NDF: 536892.7/27

Left Out: 2185.133+/-0.359 χ^2/NDF:815.1/23

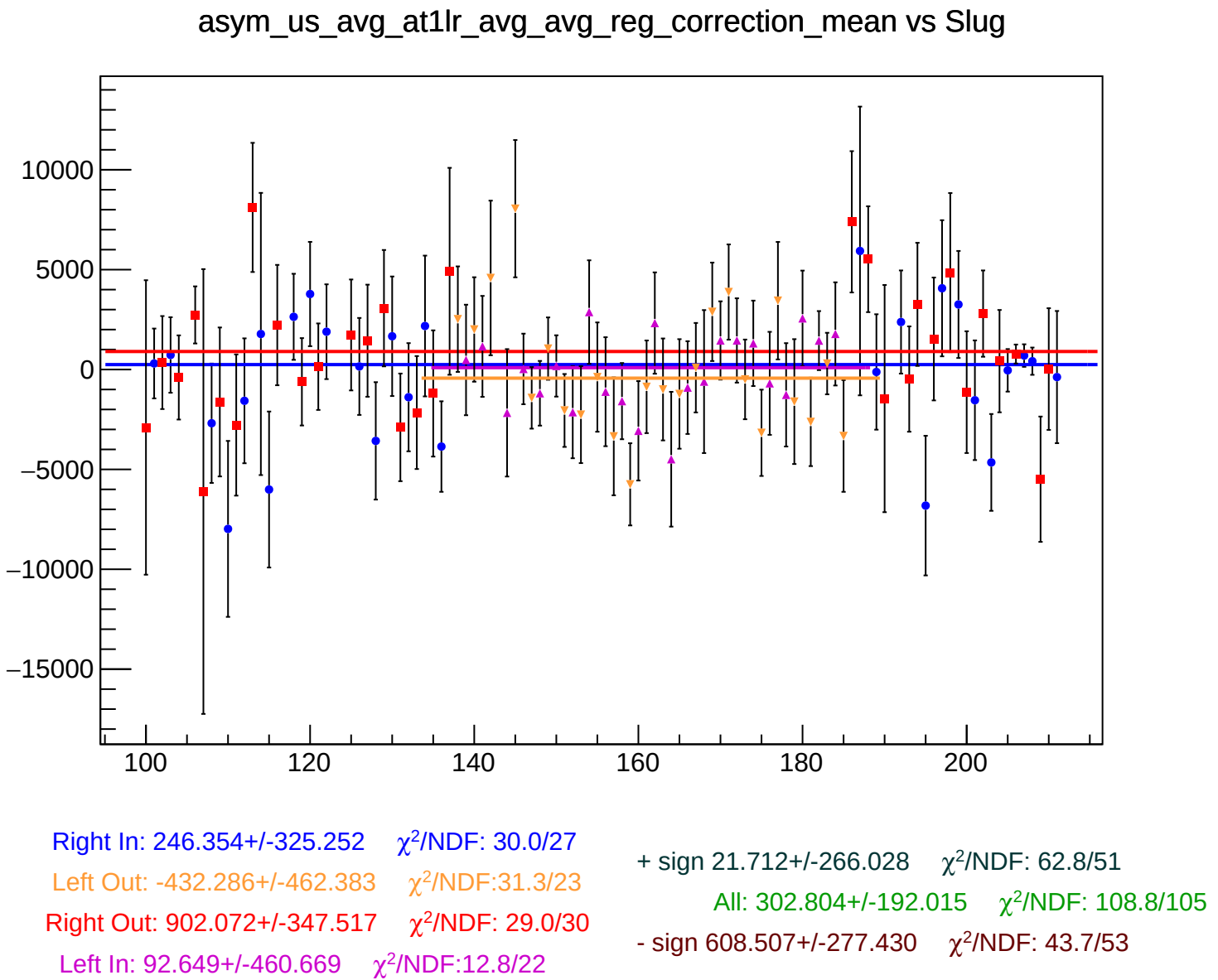
Right Out: 2256.541+/-0.381 χ^2/NDF: 186340.7/30

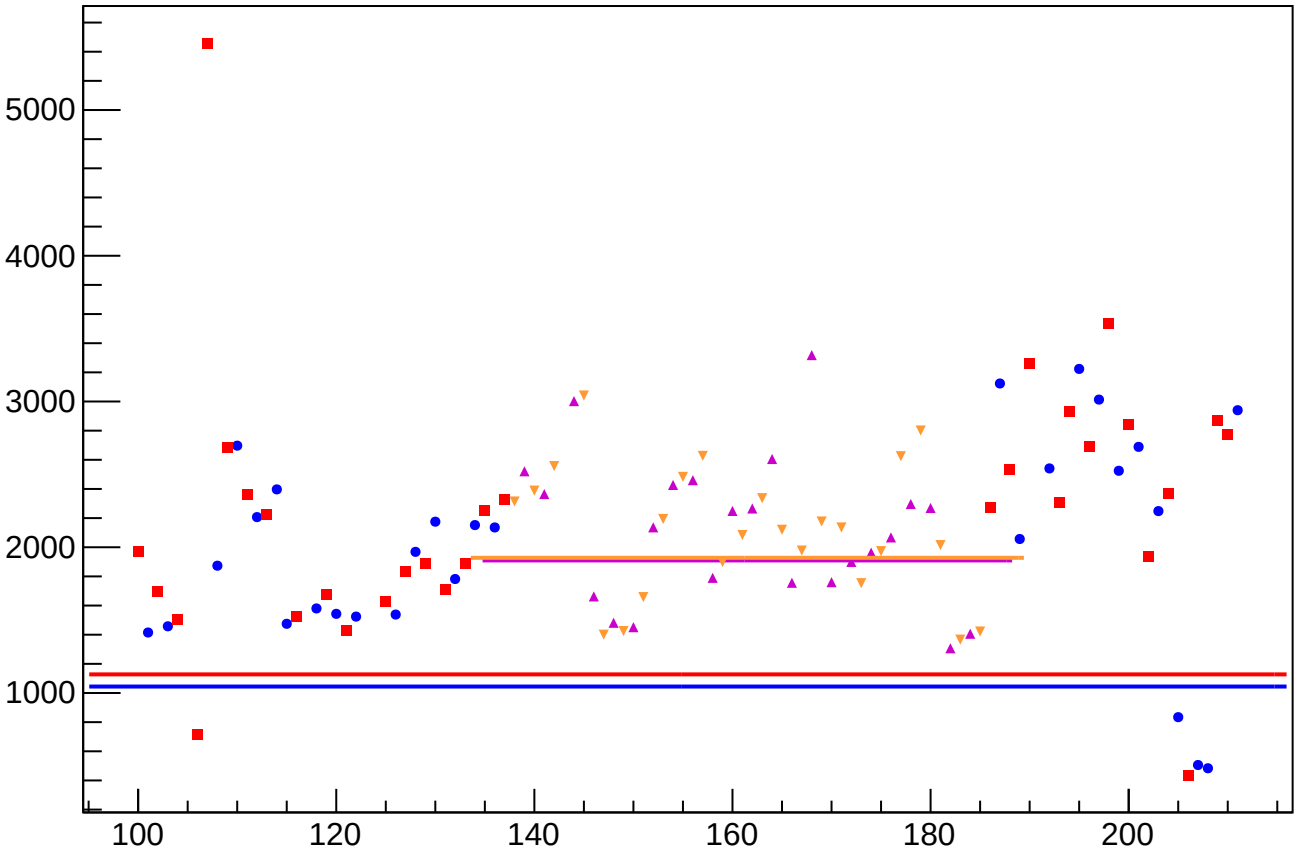
Left In: 2186.745+/-0.361 χ^2/NDF:2063.9/22

+ sign 2210.968+/-0.265 χ^2/NDF: 549092.8/51

All: 2215.400+/-0.186 χ^2/NDF: 755727.3/105

- sign 2219.751+/-0.262 χ^2/NDF: 206078.3/53


asym_us_avg_at1lr_avg_avg_reg_correction_mean vs Slug
10000
5000
0
−5000
−10000
−15000
100
120
140
160
180
200
Right In: 246.354+/-325.252 χ²/NDF: 30.0/27
Left Out: -432.286+/-462.383 χ²/NDF:31.3/23
Right Out: 902.072+/-347.517 χ²/NDF: 29.0/30
Left In: 92.649+/-460.669 χ²/NDF:12.8/22
+ sign 21.712+/-266.028 χ²/NDF: 62.8/51
All: 302.804+/-192.015 χ²/NDF: 108.8/105
- sign 608.507+/-277.430 χ²/NDF: 43.7/53



Right In: 1044.349+/-0.230 χ^2/NDF: 10794511.7/27

Left Out: 1927.660+/-0.327 χ^2/NDF:1798383.1/23

Right Out: 1127.714+/-0.246 χ^2/NDF: 12905712.1/30

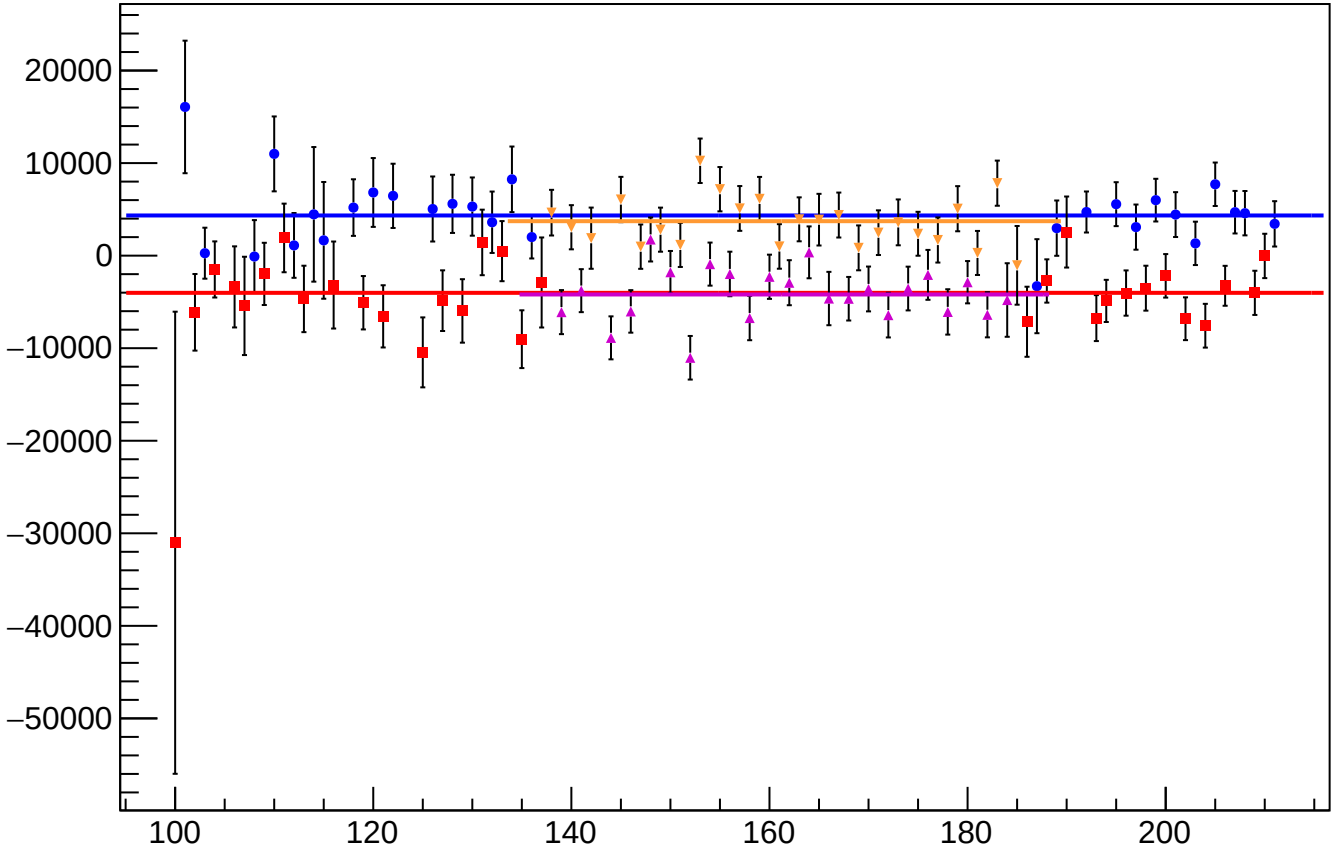
Left In: 1909.612+/-0.326 χ^2/NDF:1942264.8/22

+ sign 1336.741+/-0.188 χ^2/NDF: 17475677.8/51

All: 1372.455+/-0.136 χ^2/NDF: 36070947.6/1

- sign 1411.296+/-0.196 χ^2/NDF: 18520023.4/53

cor_asym_us_avg_at1lr_avg_avg_mean vs Slug



Right In: 4340.268+/-554.070 χ^2/NDF: 20.8/27

Left Out: 3723.433+/-507.155 χ^2/NDF:25.4/23

Right Out: -4018.794+/-539.080 χ^2/NDF: 28.7/30

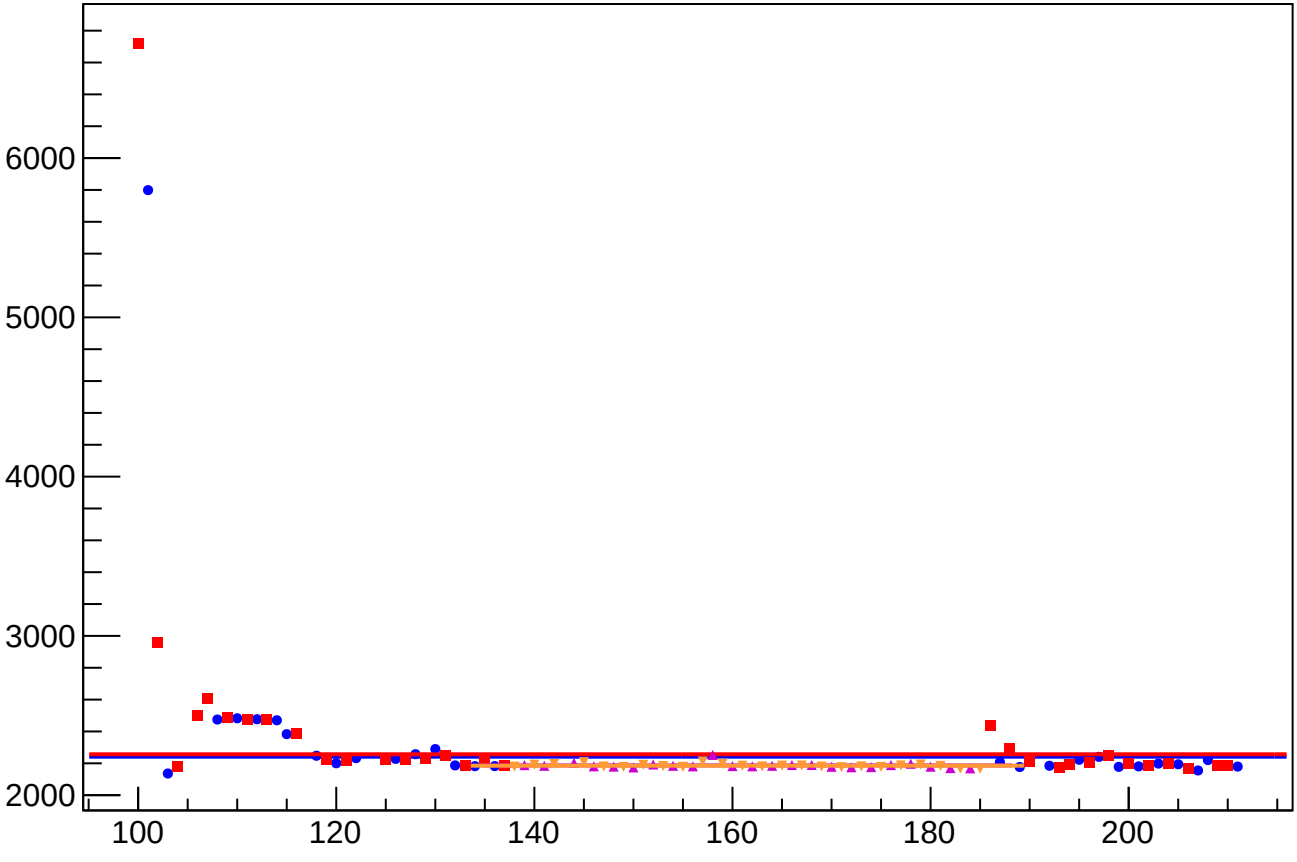
Left In: -4196.060+/-510.578 χ^2/NDF:32.1/22

+ sign 4004.635+/-374.101 χ^2/NDF: 46.9/51

All: -90.863+/-263.319 χ^2/NDF: 345.3/105

- sign -4112.237+/-370.700 χ^2/NDF: 60.8/53

cor_asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 2241.805+/-0.392 χ^2/NDF: 536893.1/27

Left Out: 2185.133+/-0.359 χ^2/NDF:815.1/23

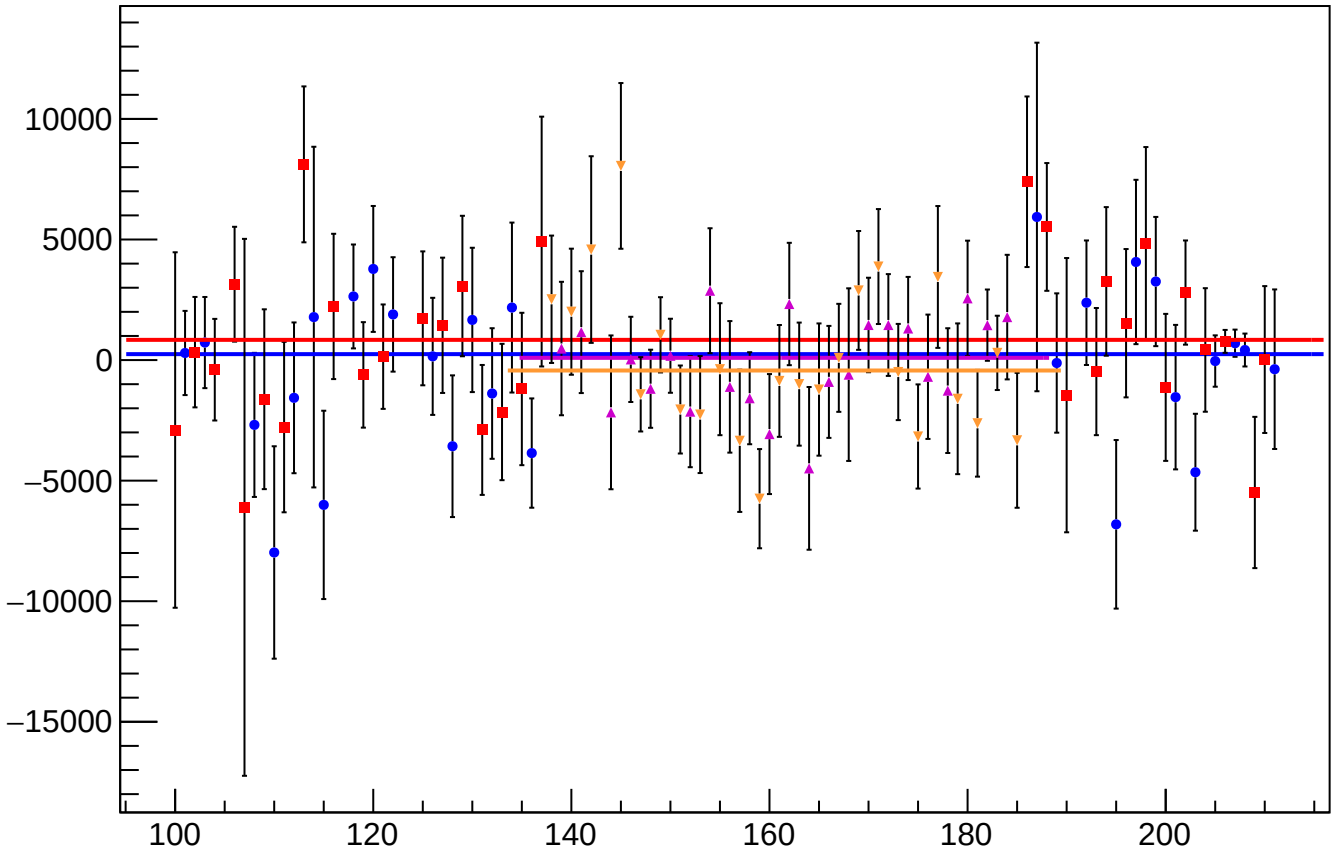
Right Out: 2256.672+/-0.381 χ^2/NDF: 186825.4/30

Left In: 2186.745+/-0.361 χ^2/NDF:2063.9/22

+ sign 2210.968+/-0.265 χ^2/NDF: 549093.1/51

All: 2215.430+/-0.186 χ^2/NDF: 756285.5/105

- sign 2219.811+/-0.262 χ^2/NDF: 206628.4/53



Right In: 246.179+/-325.231 χ^2/NDF: 30.0/27

Left Out: -432.320+/-462.383 χ^2/NDF:31.3/23

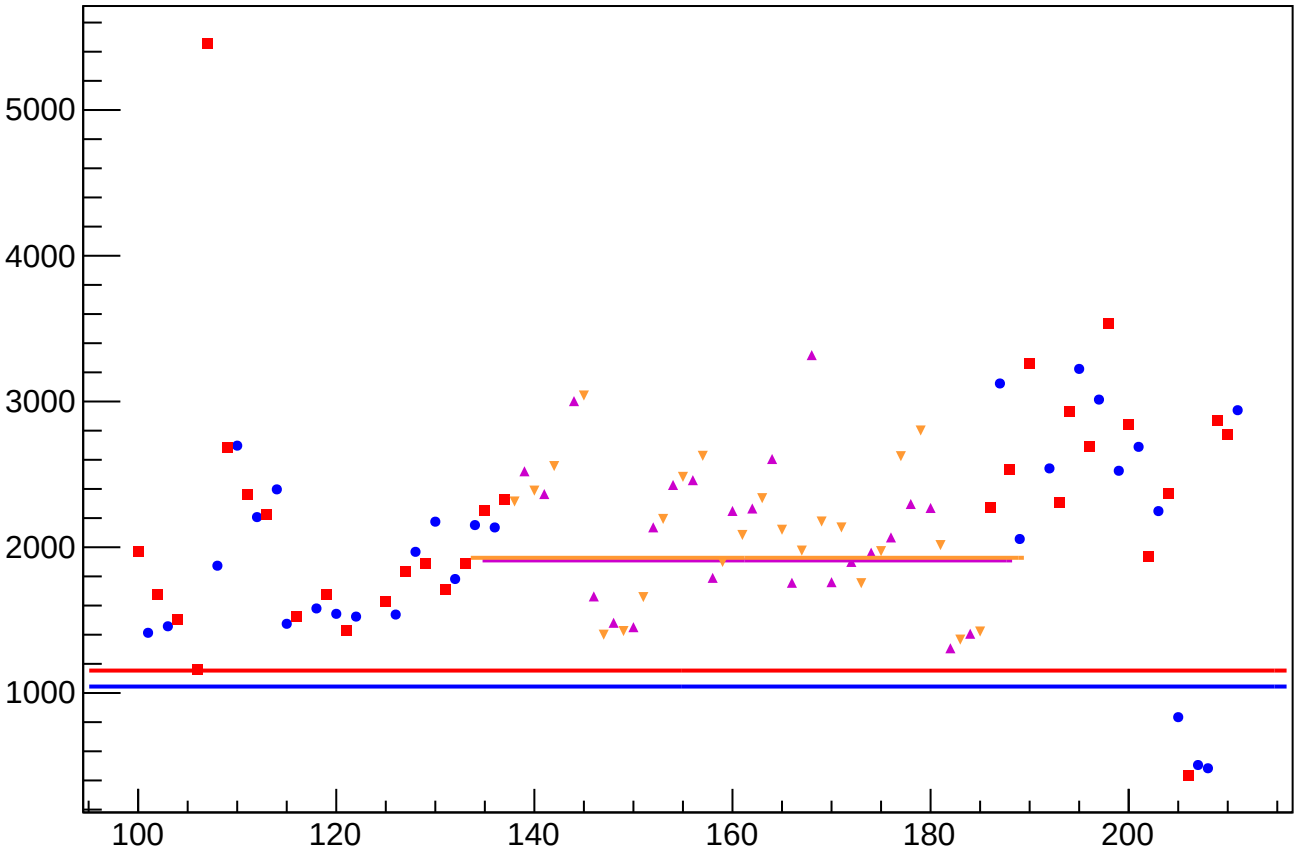
Right Out: 838.233+/-354.137 χ^2/NDF: 28.2/30

Left In: 92.604+/-460.670 χ^2/NDF:12.8/22

+ sign 21.603+/-266.017 χ^2/NDF: 62.8/51

All: 276.891+/-193.105 χ^2/NDF: 107.3/105

- sign 561.269+/-280.764 χ^2/NDF: 42.6/53



Right In: 1044.291+/-0.230 χ^2/NDF: 10794297.1/27

Left Out: 1927.659+/-0.327 χ^2/NDF:1798407.2/23

Right Out: 1153.903+/-0.250 χ^2/NDF: 12724667.9/30

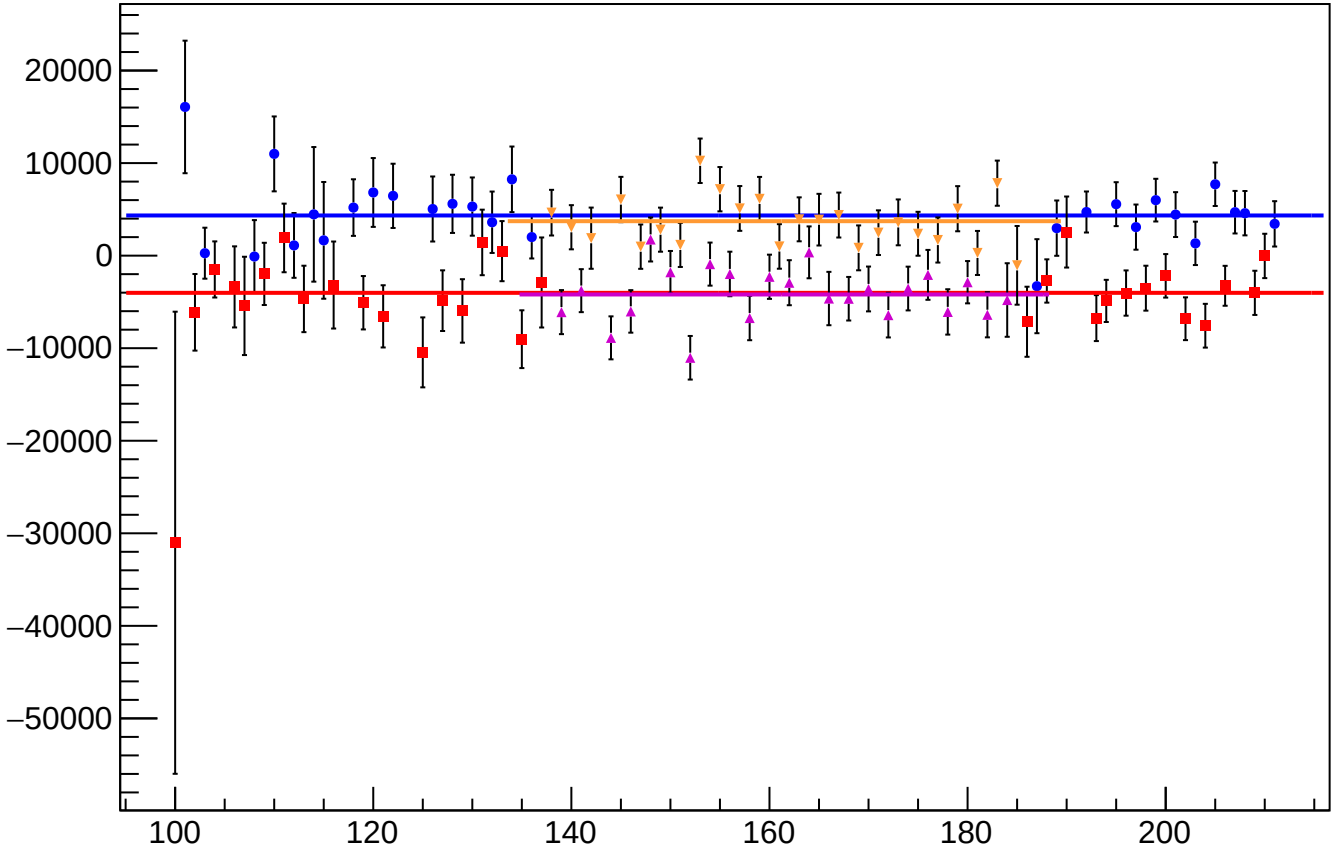
Left In: 1909.618+/-0.326 χ^2/NDF:1942286.8/22

+ sign 1336.676+/-0.188 χ^2/NDF: 17476338.2/51

All: 1383.006+/-0.137 χ^2/NDF: 35654550.9/1

- sign 1434.614+/-0.199 χ^2/NDF: 18049972.6/53

eigen_cor_asym_us_avg_at1lr_avg_avg_mean vs Slug



Right In: 4340.268+/-554.070 χ^2/NDF: 20.8/27

Left Out: 3723.433+/-507.155 χ^2/NDF:25.4/23

Right Out: -4018.794+/-539.080 χ^2/NDF: 28.7/30

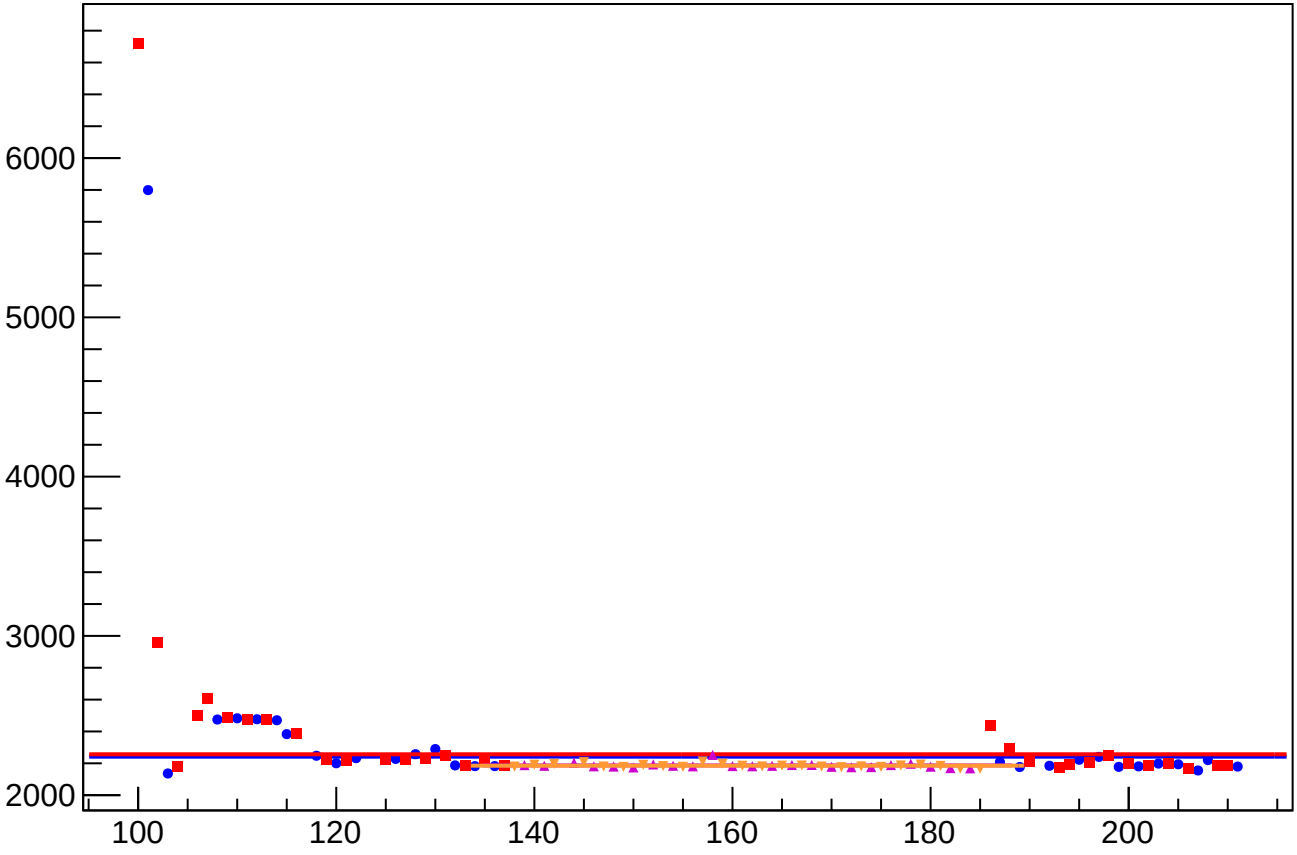
Left In: -4196.060+/-510.578 χ^2/NDF:32.1/22

+ sign 4004.635+/-374.101 χ^2/NDF: 46.9/51

All: -90.863+/-263.319 χ^2/NDF: 345.3/105

- sign -4112.237+/-370.700 χ^2/NDF: 60.8/53

eigen_cor_asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 2241.805+/-0.392 χ^2/NDF: 536893.1/27

Left Out: 2185.133+/-0.359 χ^2/NDF:815.1/23

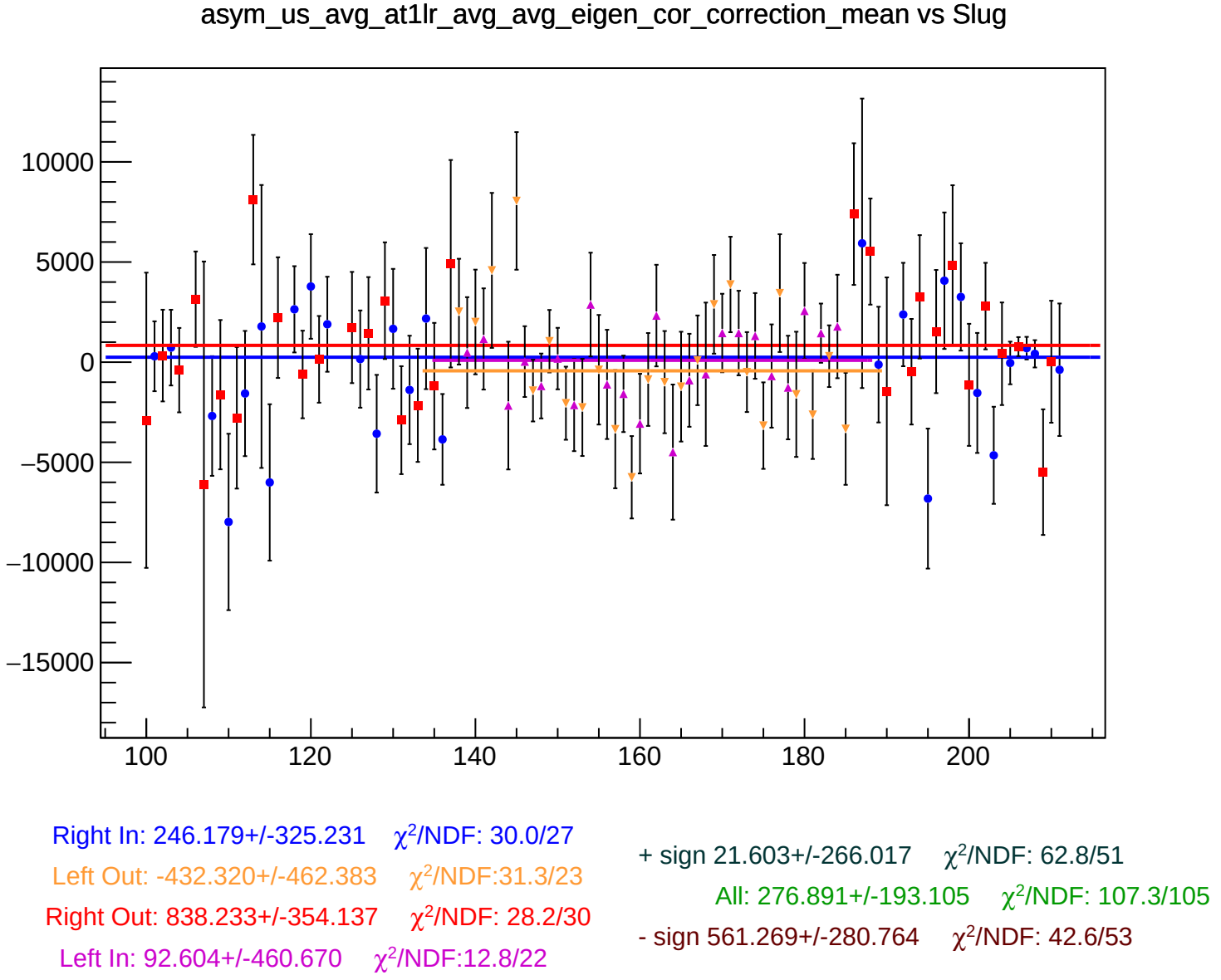
Right Out: 2256.672+/-0.381 χ^2/NDF: 186825.4/30

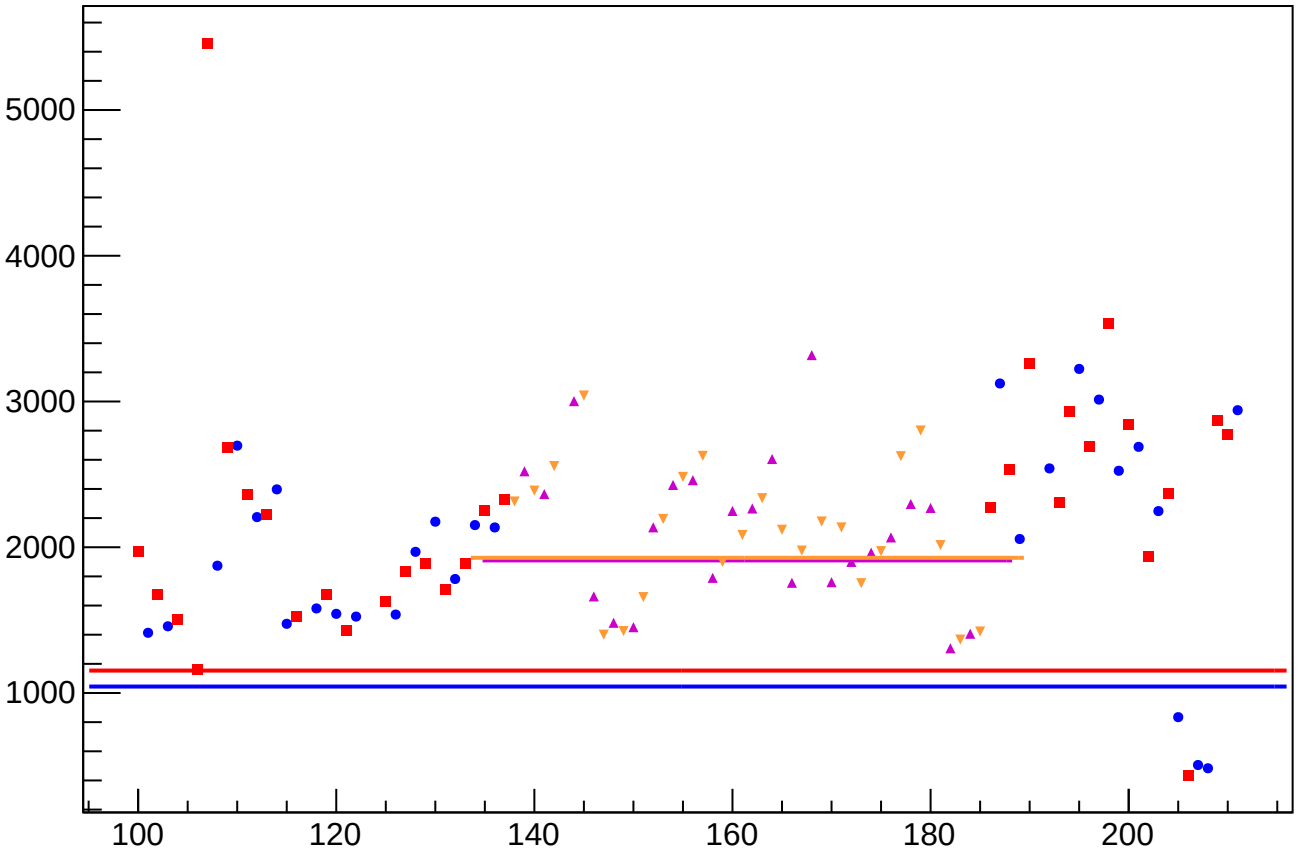
Left In: 2186.745+/-0.361 χ^2/NDF:2063.9/22

+ sign 2210.968+/-0.265 χ^2/NDF: 549093.1/51

All: 2215.430+/-0.186 χ^2/NDF: 756285.5/105

- sign 2219.811+/-0.262 χ^2/NDF: 206628.4/53


asym_us_avg_at1lr_avg_avg_eigen_cor_correction_mean vs Slug
10000
5000
0
−5000
−10000
−15000
100
120
140
160
180
200
Right In: 246.179+/-325.231 χ²/NDF: 30.0/27
Left Out: -432.320+/-462.383 χ²/NDF:31.3/23
Right Out: 838.233+/-354.137 χ²/NDF: 28.2/30
Left In: 92.604+/-460.670 χ²/NDF:12.8/22
+ sign 21.603+/-266.017 χ²/NDF: 62.8/51
All: 276.891+/-193.105 χ²/NDF: 107.3/105
- sign 561.269+/-280.764 χ²/NDF: 42.6/53



Right In: 1044.291+/-0.230 χ^2/NDF: 10794297.1/27

Left Out: 1927.659+/-0.327 χ^2/NDF:1798407.2/23

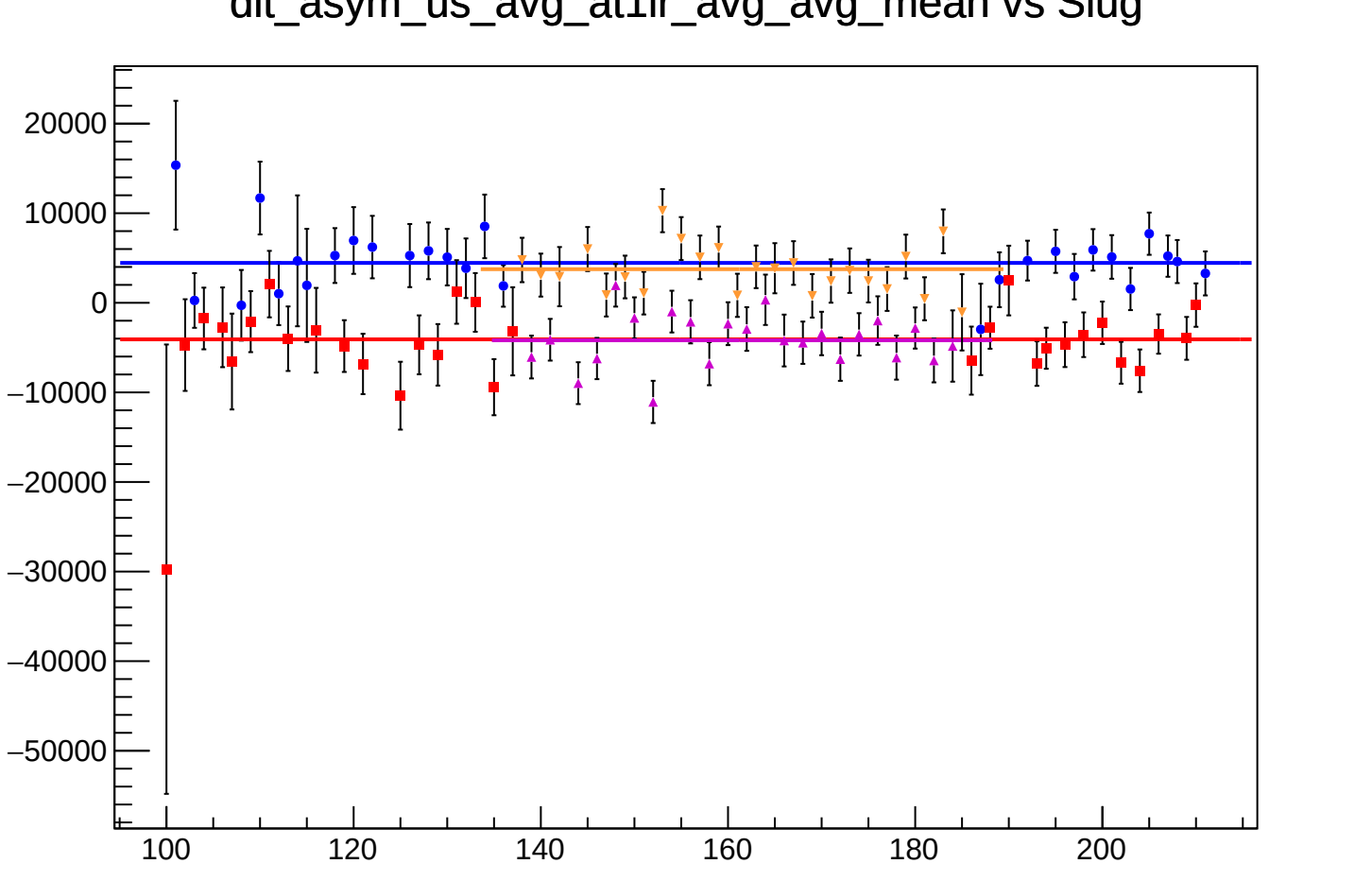
Right Out: 1153.903+/-0.250 χ^2/NDF: 12724667.9/30

Left In: 1909.618+/-0.326 χ^2/NDF:1942286.8/22

+ sign 1336.676+/-0.188 χ^2/NDF: 17476338.2/51

All: 1383.006+/-0.137 χ^2/NDF: 35654550.9/1

- sign 1434.614+/-0.199 χ^2/NDF: 18049972.6/53



Right In: 4453.163+/-559.707 χ^2/NDF: 21.0/27

Left Out: 3754.065+/-508.568 χ^2/NDF:25.7/23

Right Out: -4080.609+/-546.873 χ^2/NDF: 27.1/30

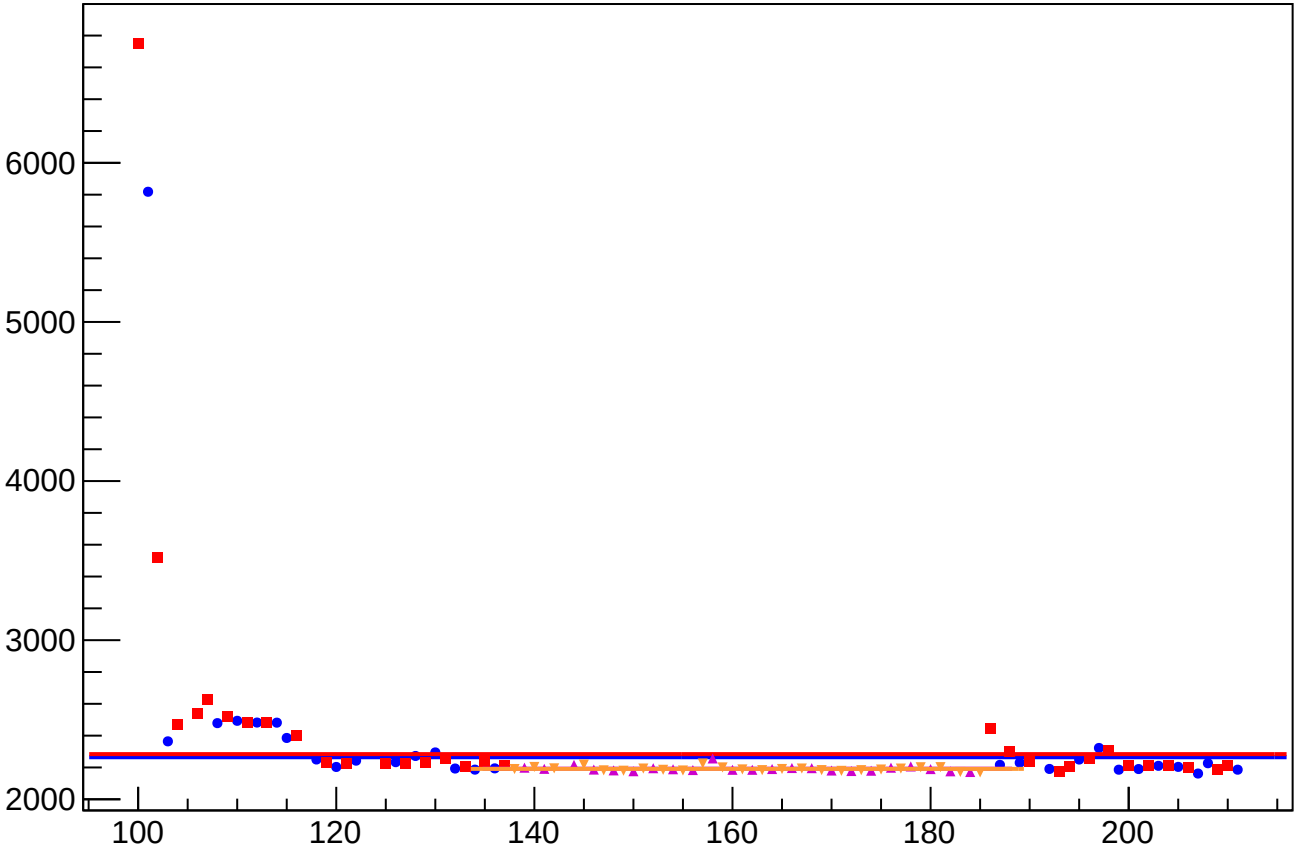
Left In: -4184.214+/-511.864 χ^2/NDF:32.7/22

+ sign 4070.225+/-376.396 χ^2/NDF: 47.5/51

All: -62.227+/-265.196 χ^2/NDF: 346.6/105

- sign -4135.833+/-373.706 χ^2/NDF: 59.8/53

dit_asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 2264.217+/-0.396 χ^2/NDF: 535352.2/27

Left Out: 2191.147+/-0.360 χ^2/NDF:1228.9/23

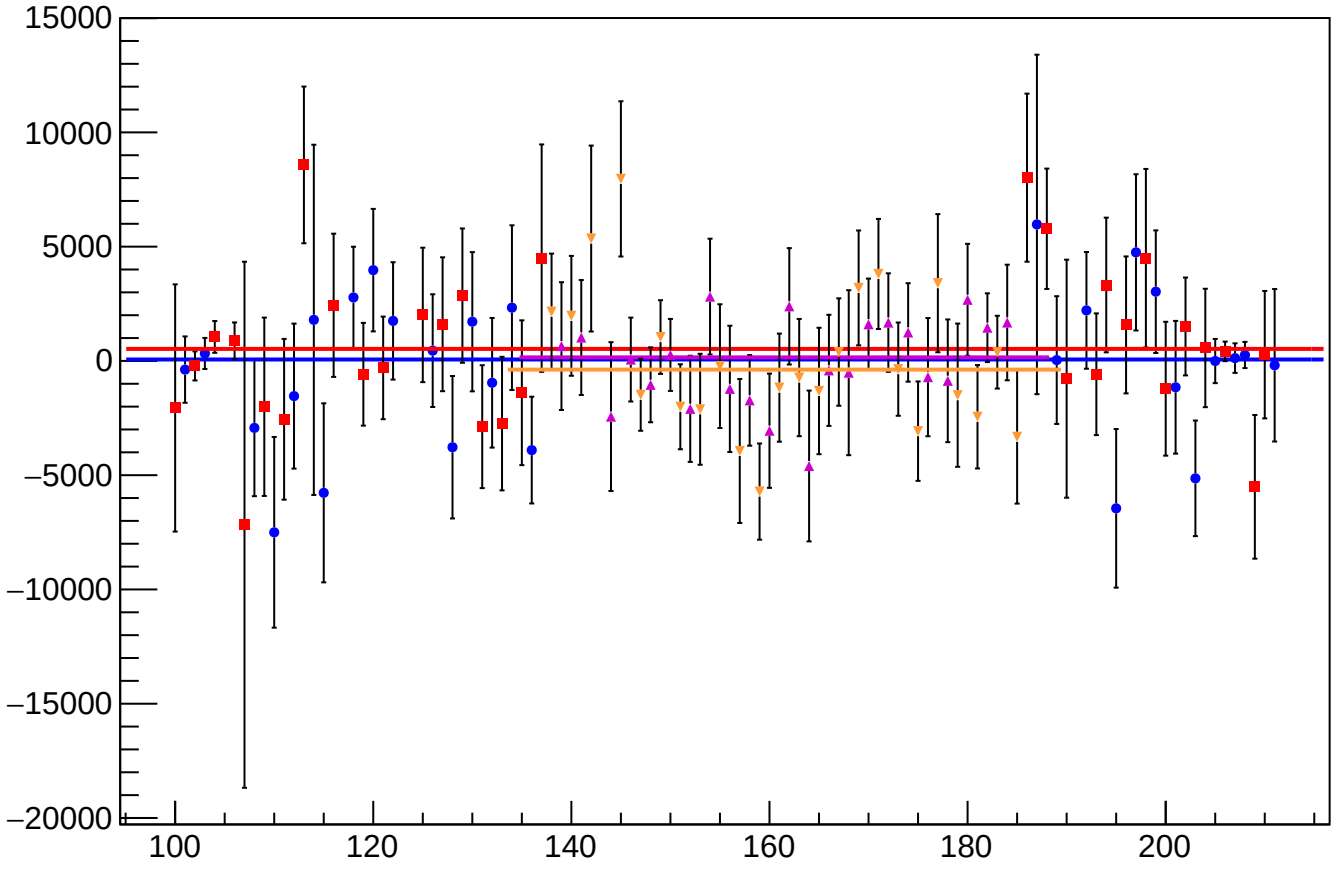
Right Out: 2283.891+/-0.387 χ^2/NDF: 252576.5/30

Left In: 2192.201+/-0.362 χ^2/NDF:2281.8/22

+ sign 2224.192+/-0.266 χ^2/NDF: 555252.5/51

All: 2229.643+/-0.188 χ^2/NDF: 840912.0/105

- sign 2235.018+/-0.264 χ^2/NDF: 284826.3/53



Right In: 62.593+/-292.065 χ^2/NDF: 28.9/27

Left Out: -380.488+/-471.481 χ^2/NDF:30.8/23

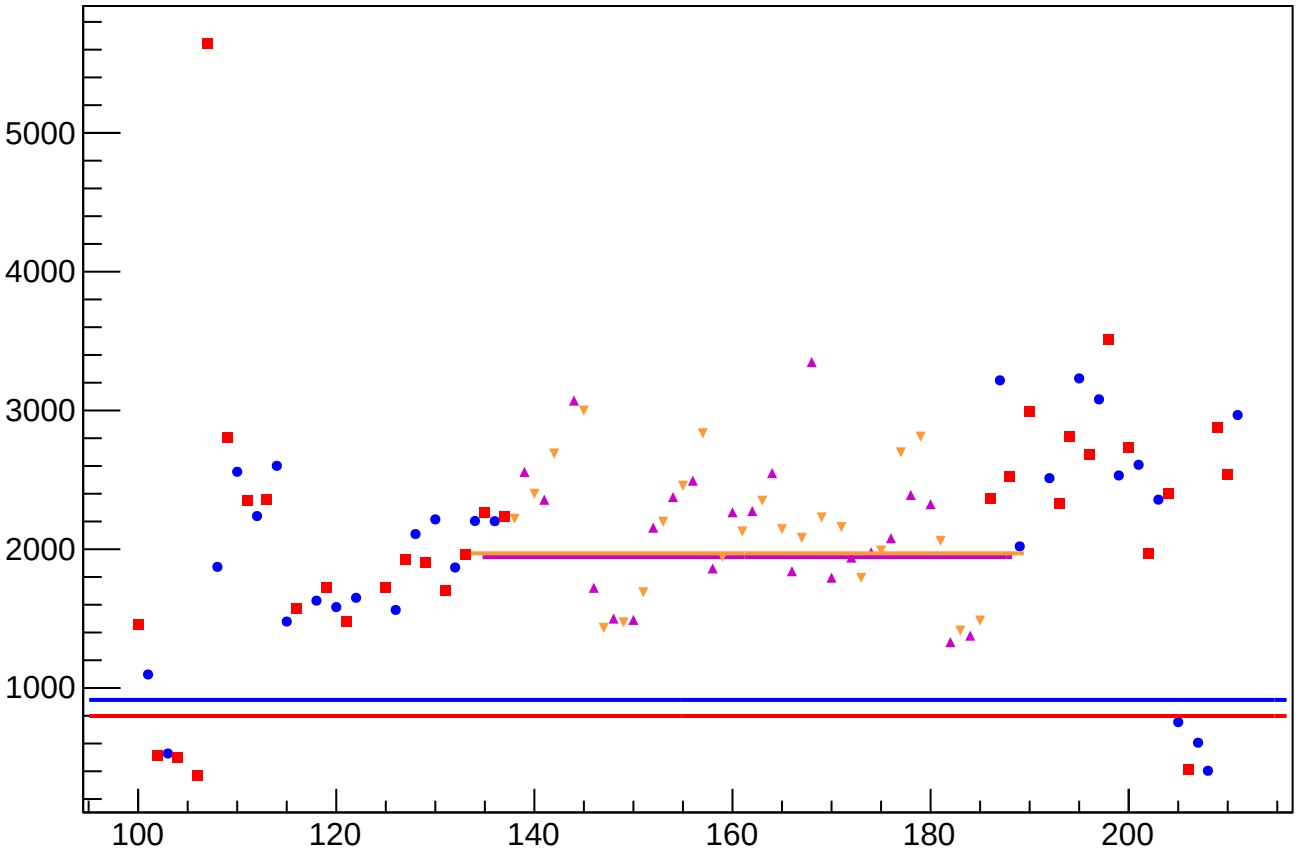
Right Out: 525.537+/-262.792 χ^2/NDF: 29.9/30

Left In: 154.512+/-467.999 χ^2/NDF:12.8/22

\+ sign -60.281+/-248.286 χ^2/NDF: 60.3/51

All: 208.052+/-168.388 χ^2/NDF: 105.6/105

\- sign 436.594+/-229.139 χ^2/NDF: 43.2/53



Right In: 914.313+/-0.207 χ^2/NDF: 11962970.9/27

Left Out: 1970.655+/-0.333 χ^2/NDF:1696659.6/23

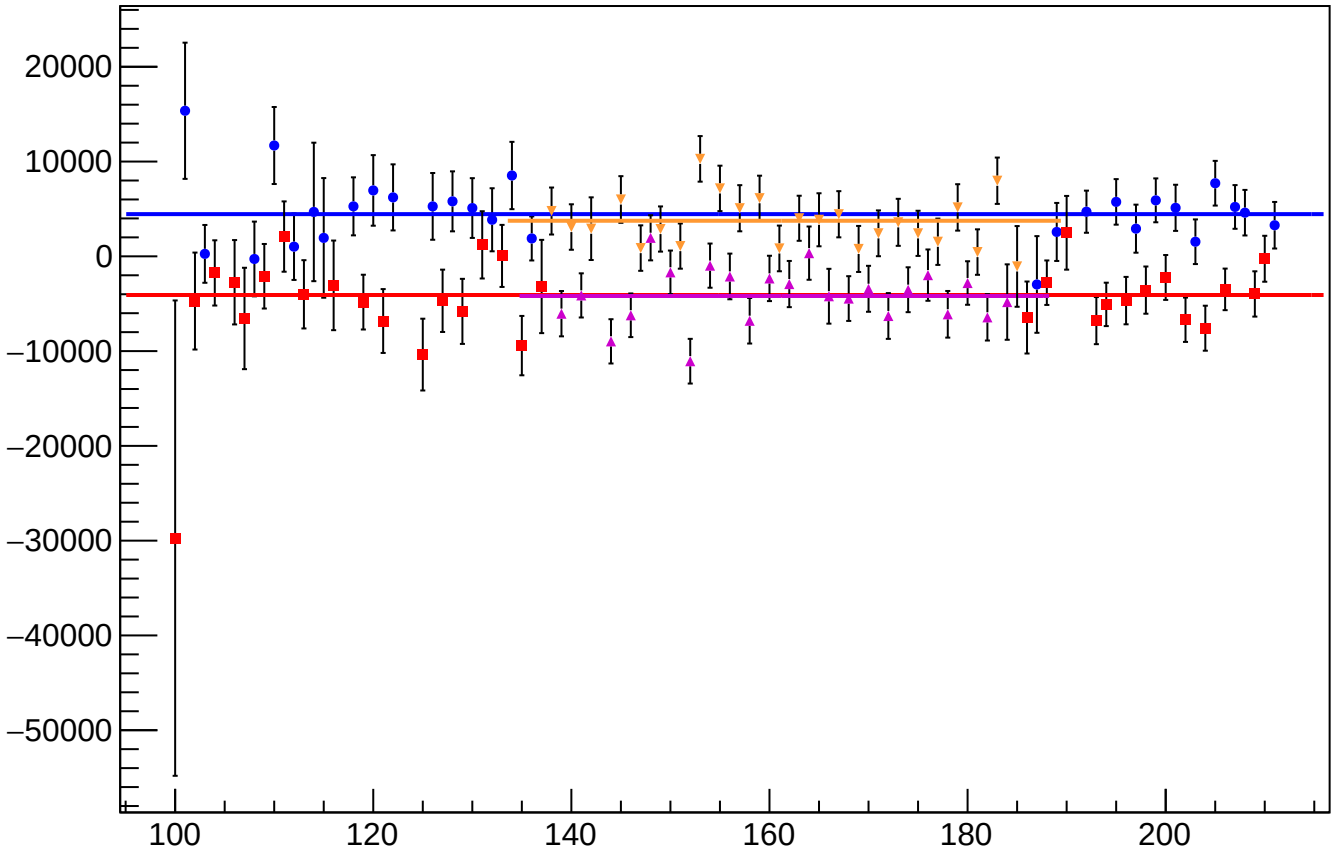
Right Out: 798.299+/-0.186 χ^2/NDF: 16075342.6/30

Left In: 1943.628+/-0.331 χ^2/NDF:1882933.7/22

+ sign 1207.255+/-0.176 χ^2/NDF: 20914987.9/51

All: 1134.676+/-0.119 χ^2/NDF: 48296672.4/1

- sign 1072.859+/-0.162 χ^2/NDF: 27065218.3/53



Right In: 4453.161+/-559.707 χ^2/NDF: 21.0/27

Left Out: 3754.064+/-508.568 χ^2/NDF:25.7/23

Right Out: -4080.605+/-546.873 χ^2/NDF: 27.1/30

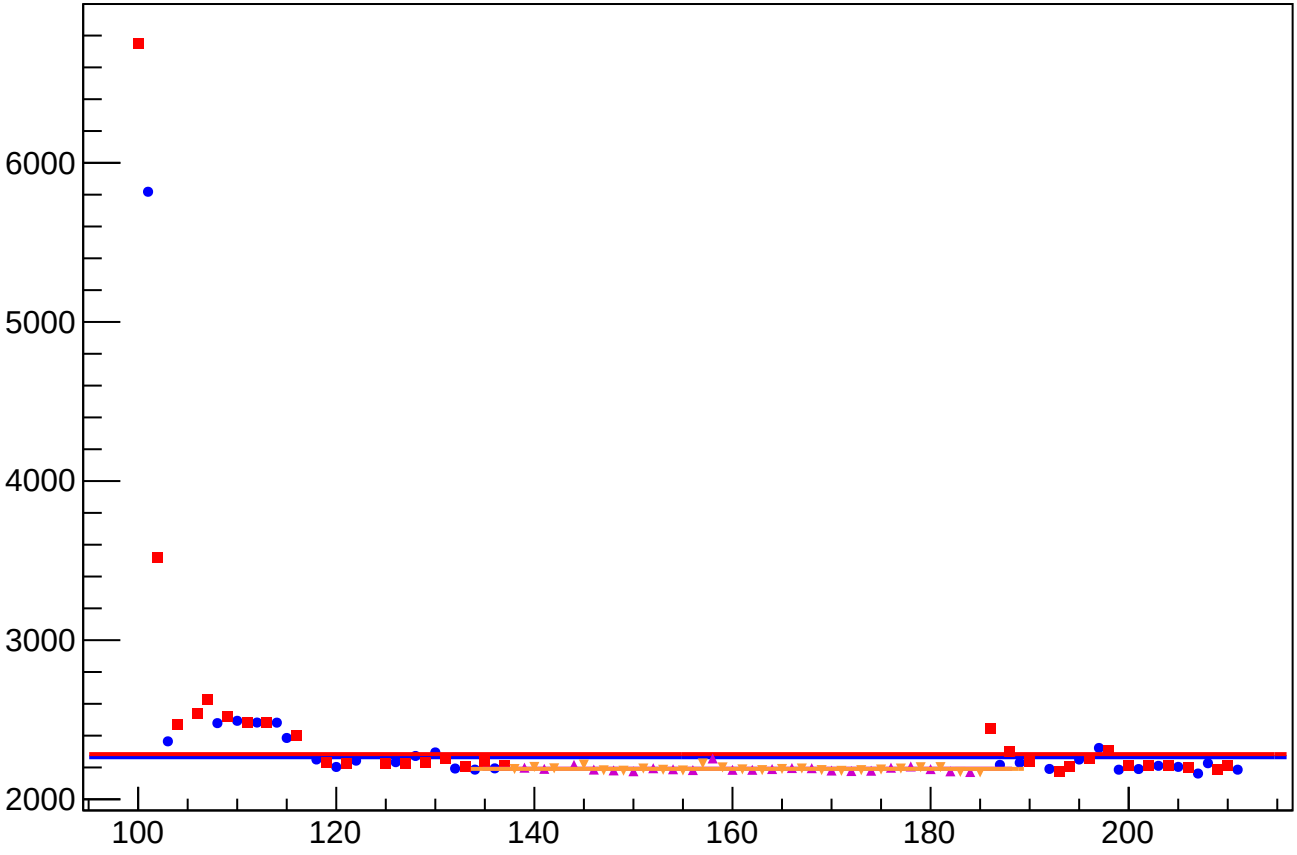
Left In: -4184.214+/-511.864 χ^2/NDF:32.7/22

+ sign 4070.223+/-376.396 χ^2/NDF: 47.5/51

All: -62.227+/-265.196 χ^2/NDF: 346.6/105

- sign -4135.832+/-373.706 χ^2/NDF: 59.8/53

eigen_dit_asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 2264.216+/-0.396 χ^2/NDF: 535352.0/27

Left Out: 2191.147+/-0.360 χ^2/NDF:1228.9/23

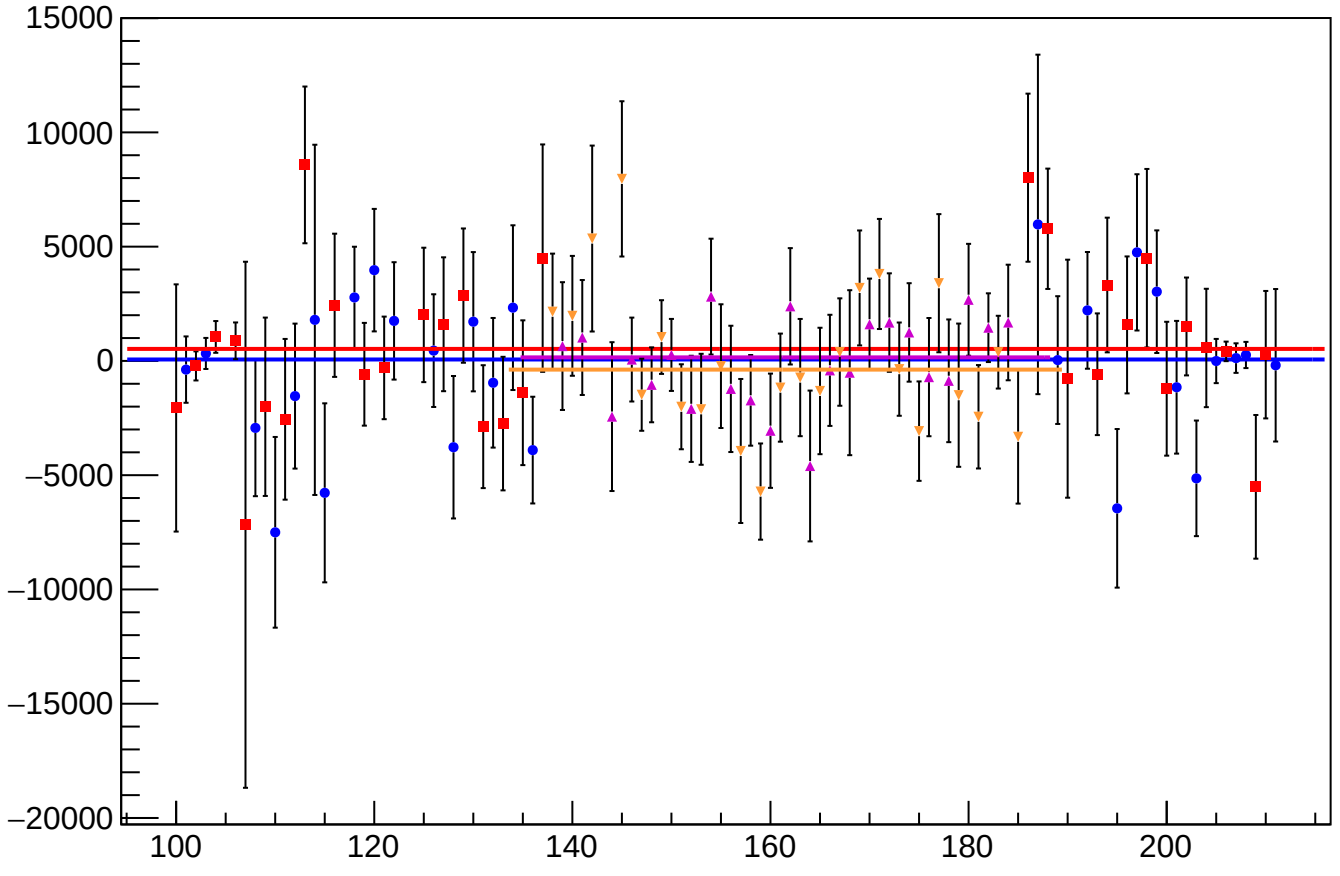
Right Out: 2283.891+/-0.387 χ^2/NDF: 252575.3/30

Left In: 2192.201+/-0.362 χ^2/NDF:2281.8/22

+ sign 2224.192+/-0.266 χ^2/NDF: 555252.2/51

All: 2229.643+/-0.188 χ^2/NDF: 840910.3/105

- sign 2235.017+/-0.264 χ^2/NDF: 284824.9/53



Right In: 62.589+/-292.065 χ^2/NDF: 28.9/27

Left Out: -380.492+/-471.482 χ^2/NDF:30.8/23

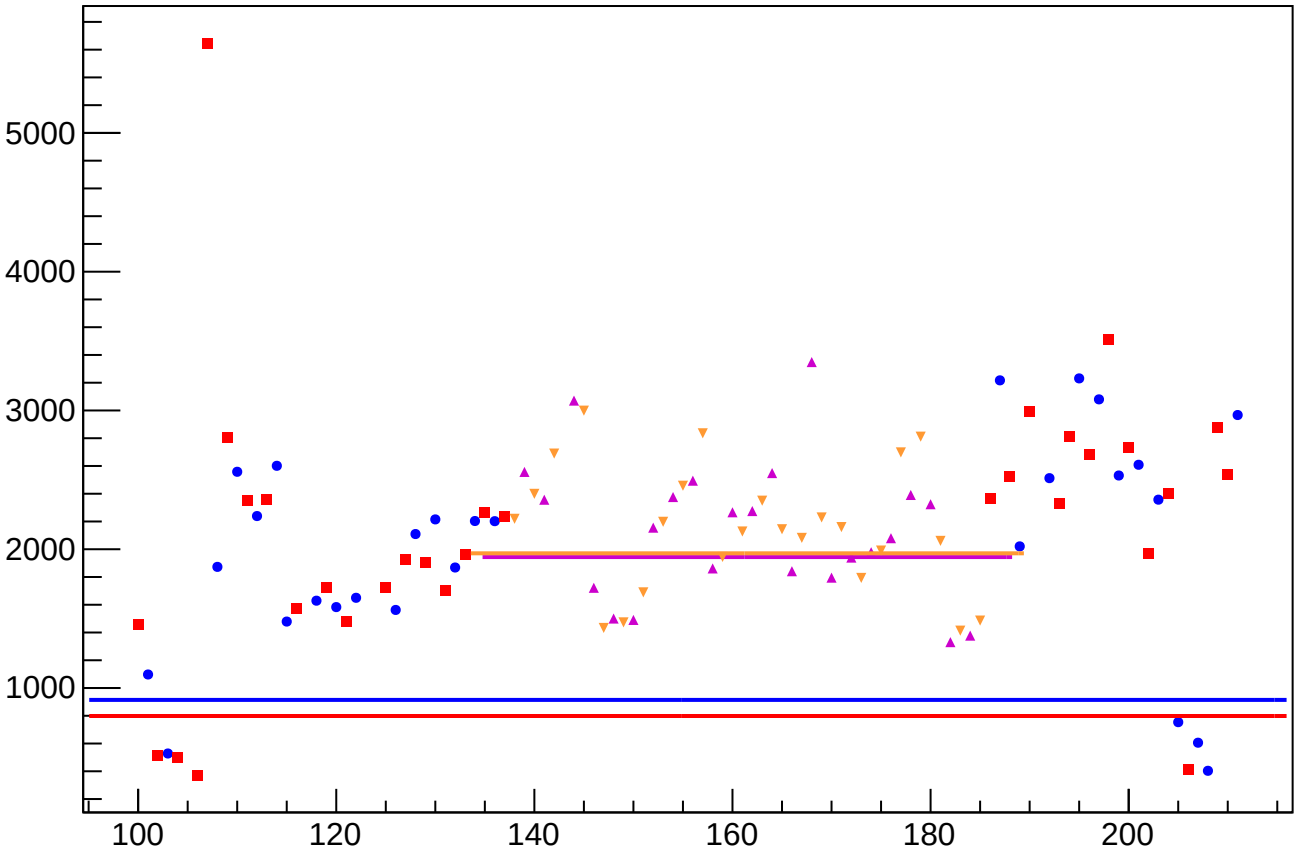
Right Out: 525.534+/-262.793 χ^2/NDF: 29.9/30

Left In: 154.512+/-468.000 χ^2/NDF:12.8/22

+ sign -60.285+/-248.287 χ^2/NDF: 60.3/51

All: 208.049+/-168.389 χ^2/NDF: 105.6/105

- sign 436.592+/-229.140 χ^2/NDF: 43.2/53



Right In: 914.313+/-0.207 χ^2/NDF: 11962988.4/27

Left Out: 1970.659+/-0.333 χ^2/NDF:1696658.8/23

Right Out: 798.304+/-0.186 χ^2/NDF: 16075271.4/30

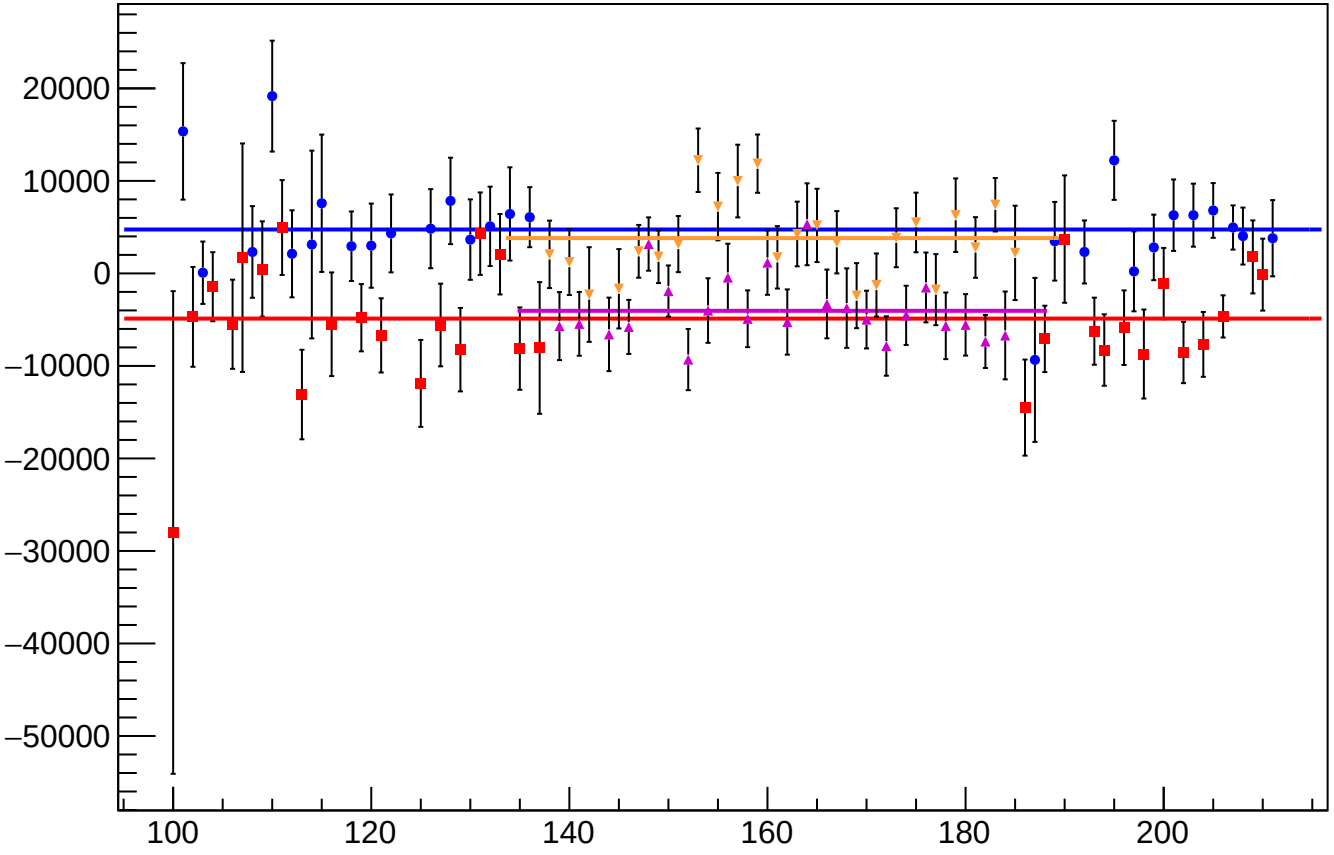
Left In: 1943.631+/-0.331 χ^2/NDF:1882931.8/22

+ sign 1207.256+/-0.176 χ^2/NDF: 20915035.6/51

All: 1134.679+/-0.119 χ^2/NDF: 48296559.5/1

- sign 1072.864+/-0.162 χ^2/NDF: 27065083.4/53

asym_us_avg_at1lr_avg_avg_mean vs Slug



Right In: 4746.801+/-763.475 χ^2/NDF: 20.2/27

Left Out: 3817.837+/-708.312 χ^2/NDF:30.9/23

Right Out: -4882.233+/-764.784 χ^2/NDF: 34.3/30

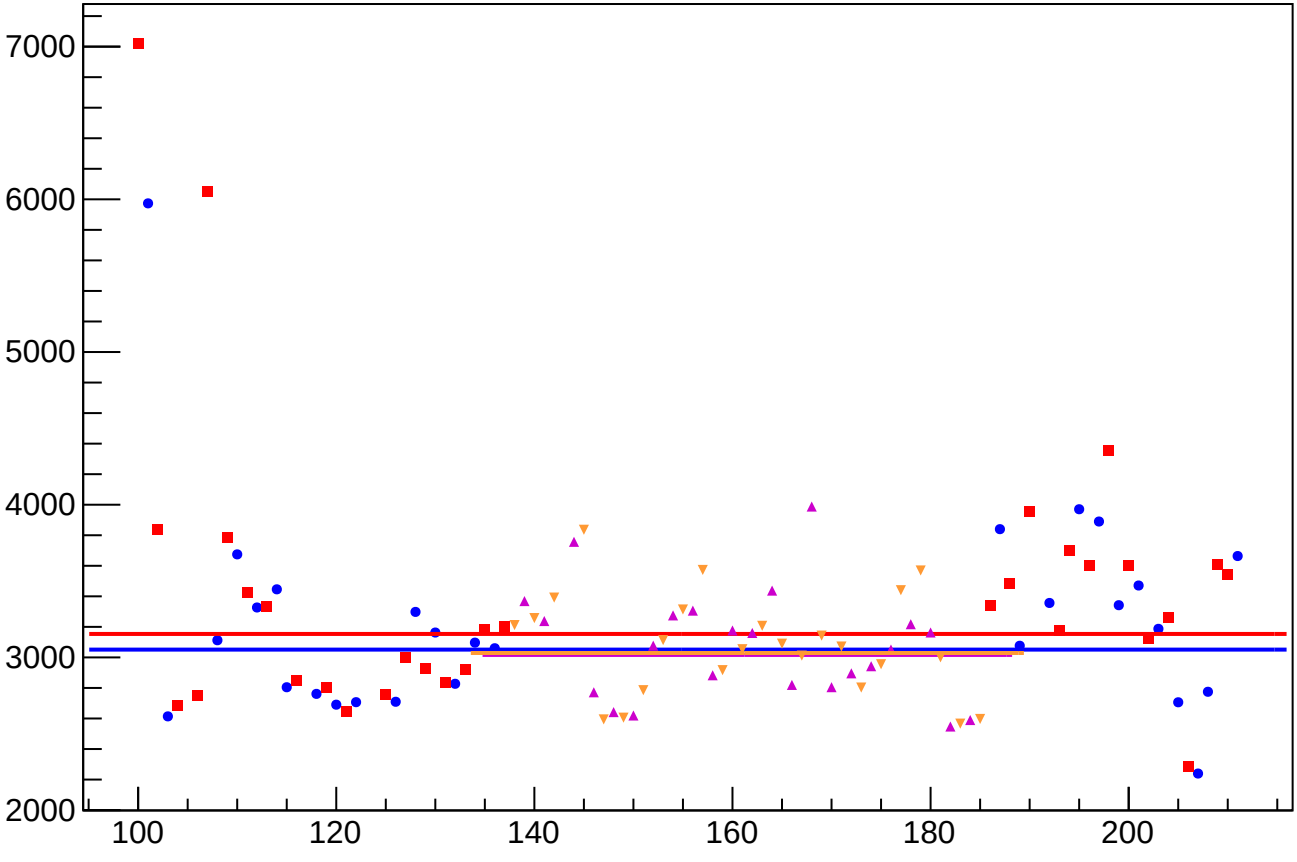
Left In: -4042.422+/-709.573 χ^2/NDF:22.5/22

+ sign 4247.550+/-519.260 χ^2/NDF: 51.9/51

All: -84.102+/-367.493 χ^2/NDF: 248.8/105

- sign -4430.922+/-520.168 χ^2/NDF: 57.4/53

asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 3051.103+/-0.540 χ^2/NDF: 1003809.2/27

Left Out: 3028.983+/-0.501 χ^2/NDF:397111.2/23

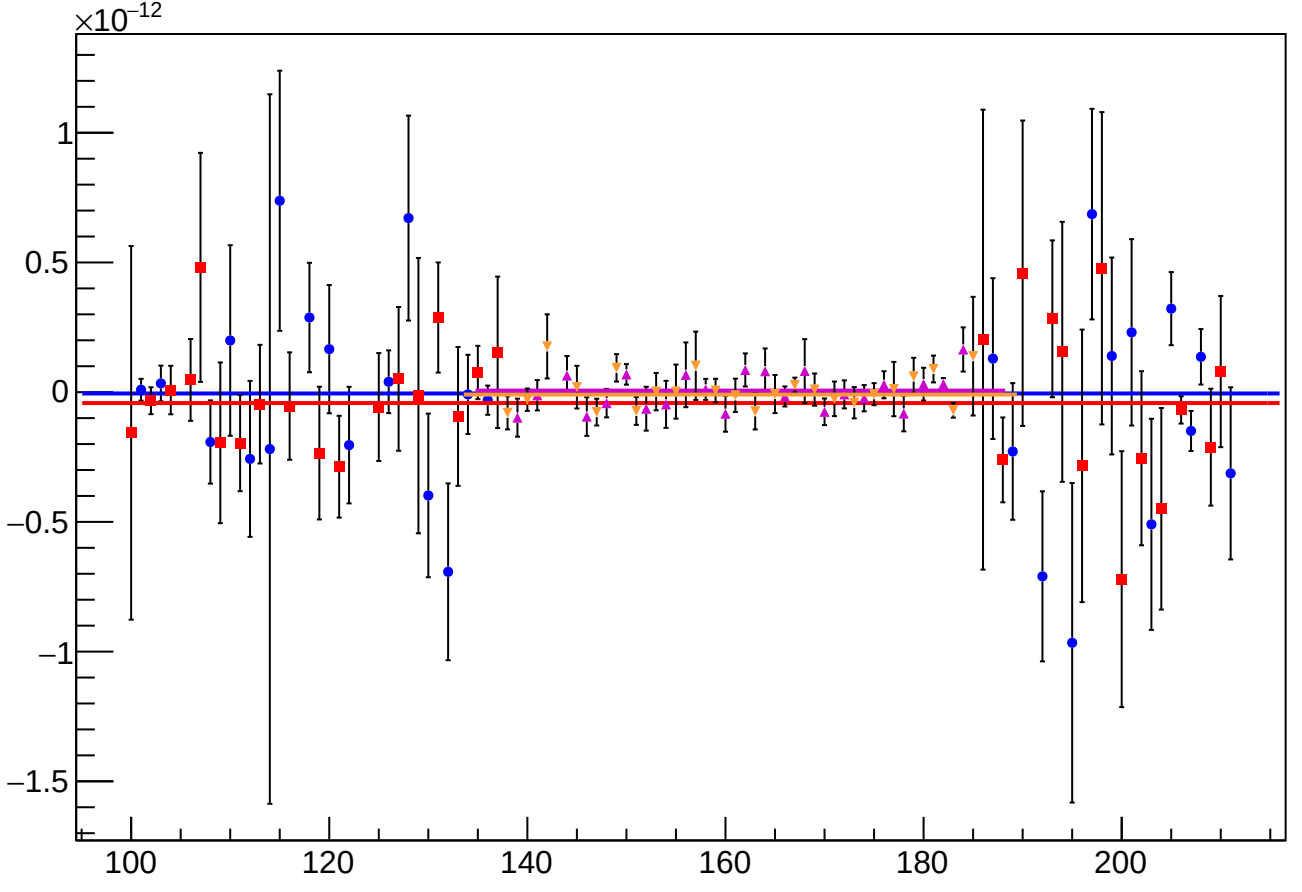
Right Out: 3153.651+/-0.541 χ^2/NDF: 965214.2/30

Left In: 3016.252+/-0.502 χ^2/NDF:439897.8/22

+ sign 3039.215+/-0.367 χ^2/NDF: 1401822.6/51

All: 3059.479+/-0.260 χ^2/NDF: 2847728.0/10

- sign 3079.814+/-0.368 χ^2/NDF: 1439803.1/53



Right In: -0.000+/-0.000 χ^2/NDF: 41.6/27

Left Out: -0.000+/-0.000 χ^2/NDF:24.2/23

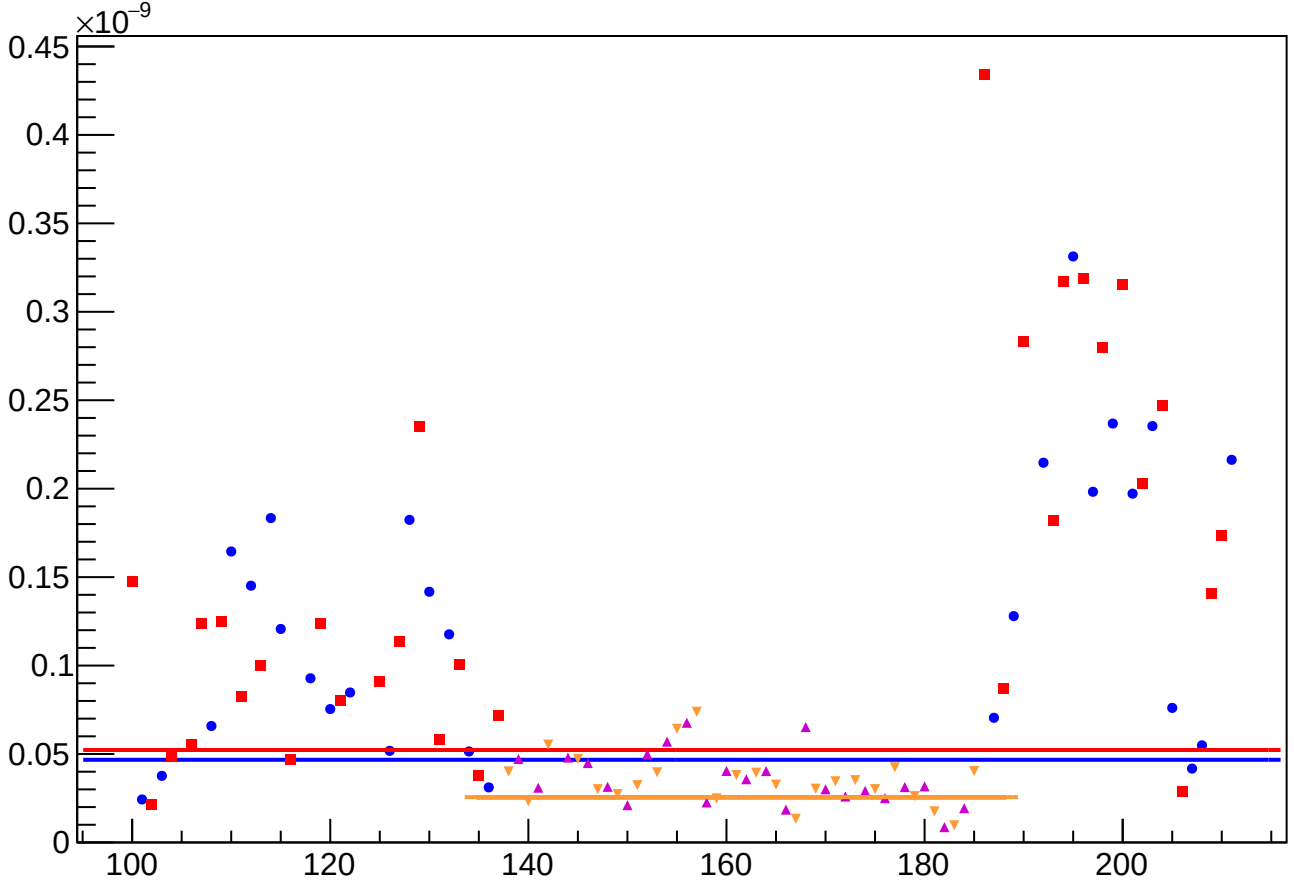
Right Out: -0.000+/-0.000 χ^2/NDF: 18.7/30

Left In: 0.000+/-0.000 χ^2/NDF:23.3/22

+ sign -0.000+/-0.000 χ^2/NDF: 65.8/51

All: -0.000+/-0.000 χ^2/NDF: 110.7/105

- sign -0.000+/-0.000 χ^2/NDF: 44.6/53



Right In: 0.000+/-0.000 χ^2/NDF: 5301255.3/27

Left Out: 0.000+/-0.000 χ^2/NDF:2439953.3/23

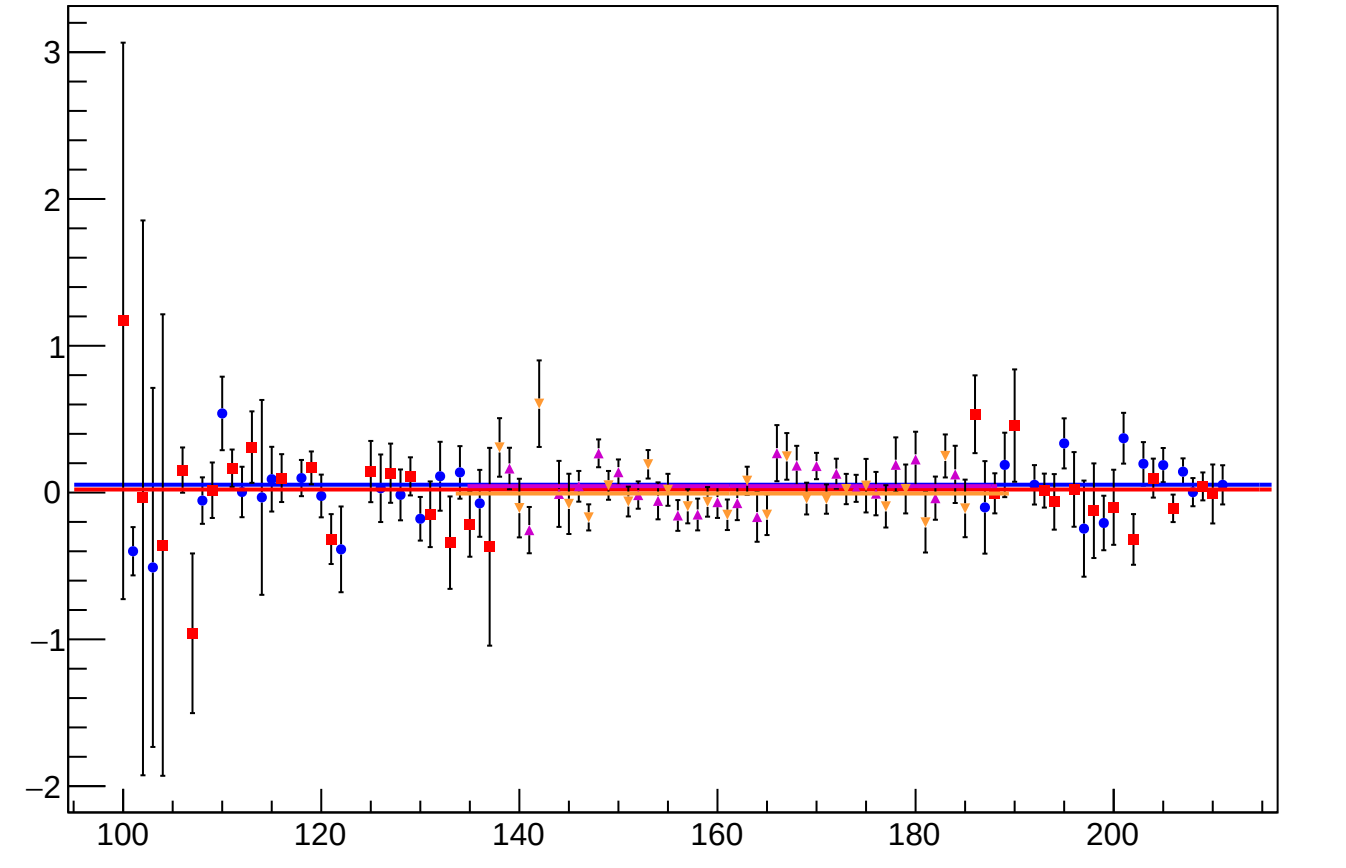
Right Out: 0.000+/-0.000 χ^2/NDF: 6788805.0/30

Left In: 0.000+/-0.000 χ^2/NDF:2808054.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 9006775.6/51

All: 0.000+/-0.000 χ^2/NDF: 20226637.7/105

- sign 0.000+/-0.000 χ^2/NDF: 11219727.7/53



Right In: 0.053+/-0.031 χ^2/NDF: 31.0/27

Left Out: -0.007+/-0.025 χ^2/NDF:27.7/23

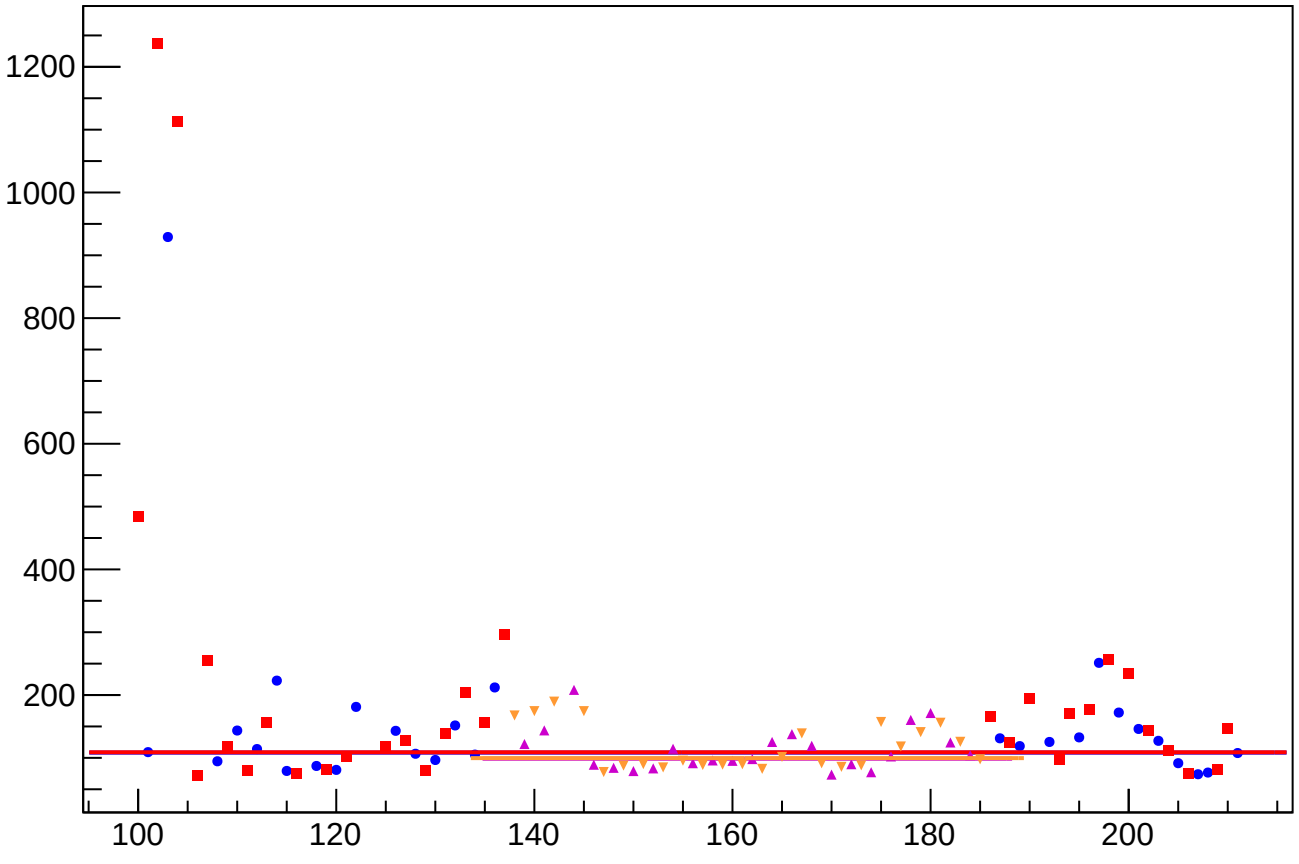
Right Out: 0.021+/-0.031 χ^2/NDF: 29.4/30

Left In: 0.044+/-0.025 χ^2/NDF:30.3/22

+ sign 0.017+/-0.020 χ^2/NDF: 60.9/51

All: 0.026+/-0.014 χ^2/NDF: 121.3/105

- sign 0.035+/-0.020 χ^2/NDF: 59.9/53



Right In: 108.339+/-0.022 χ^2/NDF: 3225307.7/27

Left Out: 99.590+/-0.018 χ^2/NDF:2070986.6/23

Right Out: 108.896+/-0.022 χ^2/NDF: 4925079.5/30

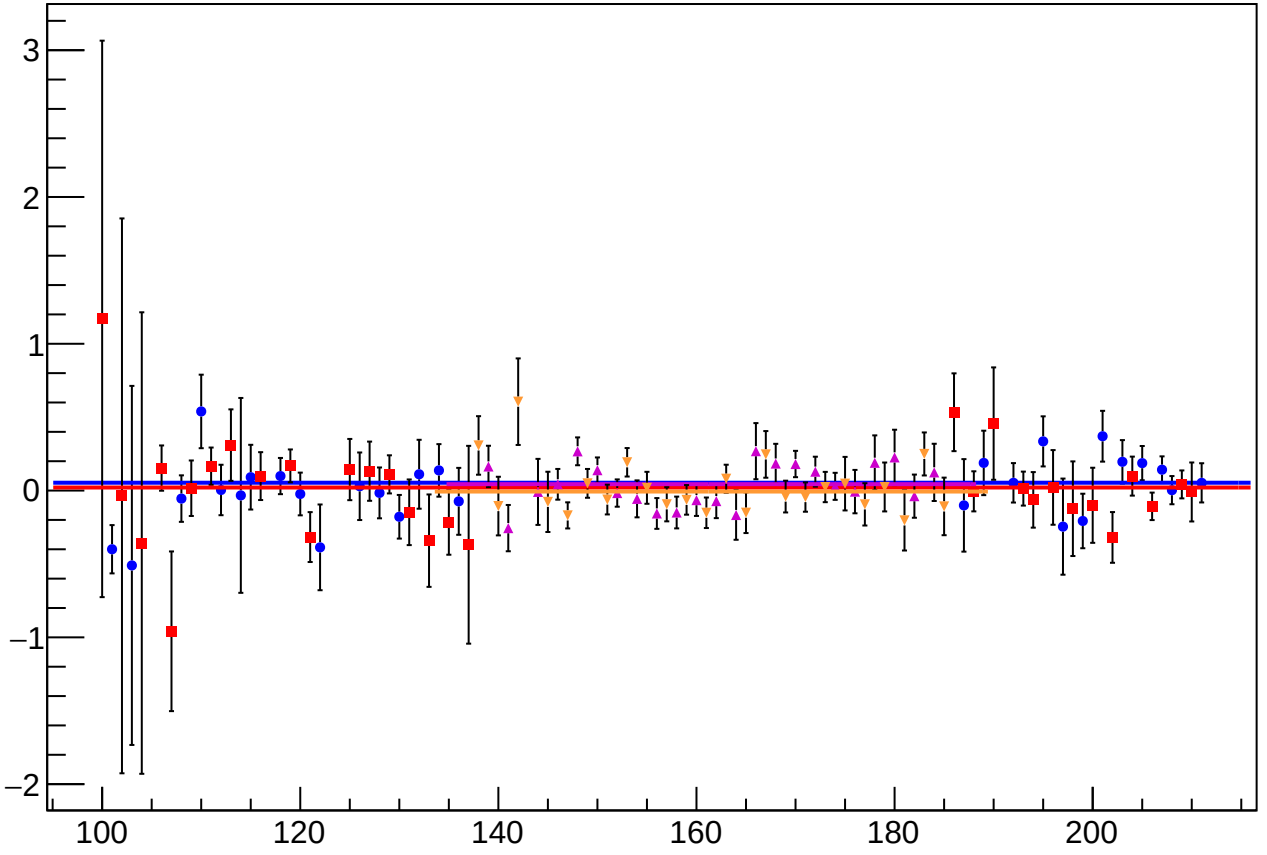
Left In: 98.669+/-0.018 χ^2/NDF:2003365.1/22

\+ sign 103.085+/-0.014 χ^2/NDF: 5391698.5/51

All: 102.875+/-0.010 χ^2/NDF: 12450767.2/10

\- sign 102.666+/-0.014 χ^2/NDF: 7058610.6/53

asym_us_avg_at1lr_avg_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.053+/-0.031 χ^2/NDF: 31.0/27

Left Out: -0.007+/-0.025 χ^2/NDF:27.7/23

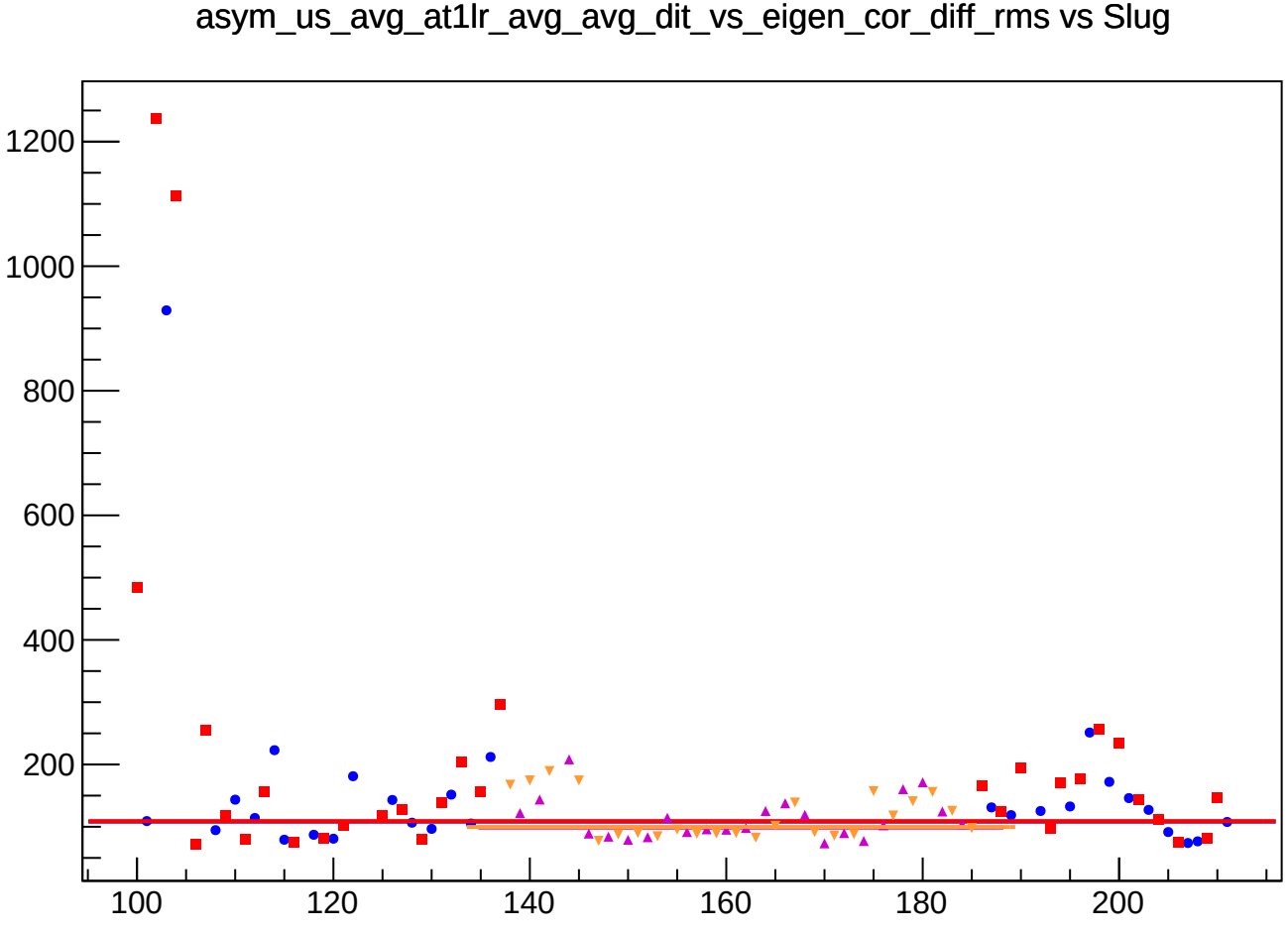
Right Out: 0.021+/-0.031 χ^2/NDF: 29.4/30

Left In: 0.044+/-0.025 χ^2/NDF:30.3/22

+ sign 0.017+/-0.020 χ^2/NDF: 60.9/51

All: 0.026+/-0.014 χ^2/NDF: 121.3/105

- sign 0.035+/-0.020 χ^2/NDF: 59.9/53



Right In: 108.339+/-0.022 χ^2/NDF: 3225307.7/27

Left Out: 99.590+/-0.018 χ^2/NDF:2070986.6/23

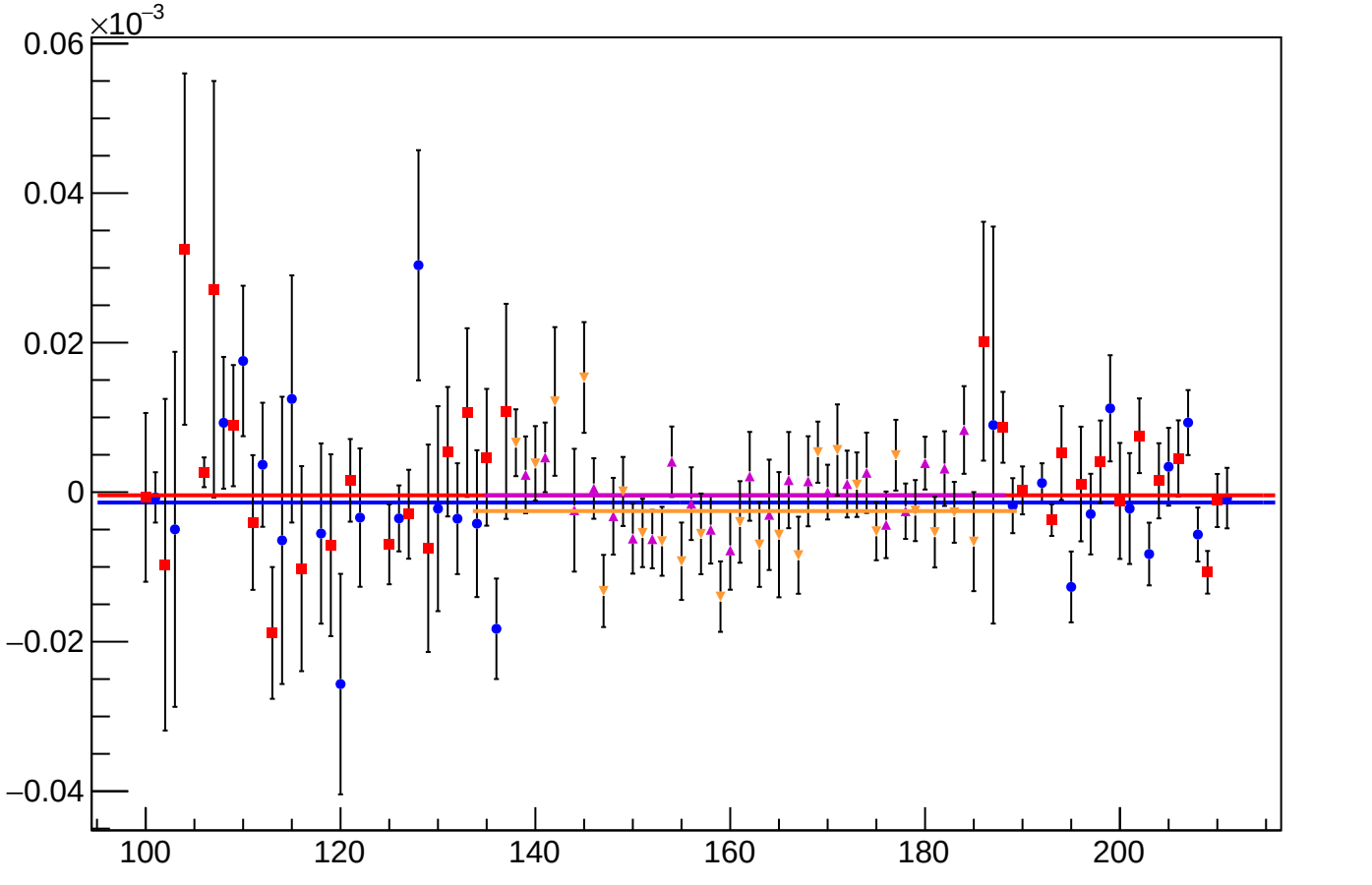
Right Out: 108.896+/-0.022 χ^2/NDF: 4925079.5/30

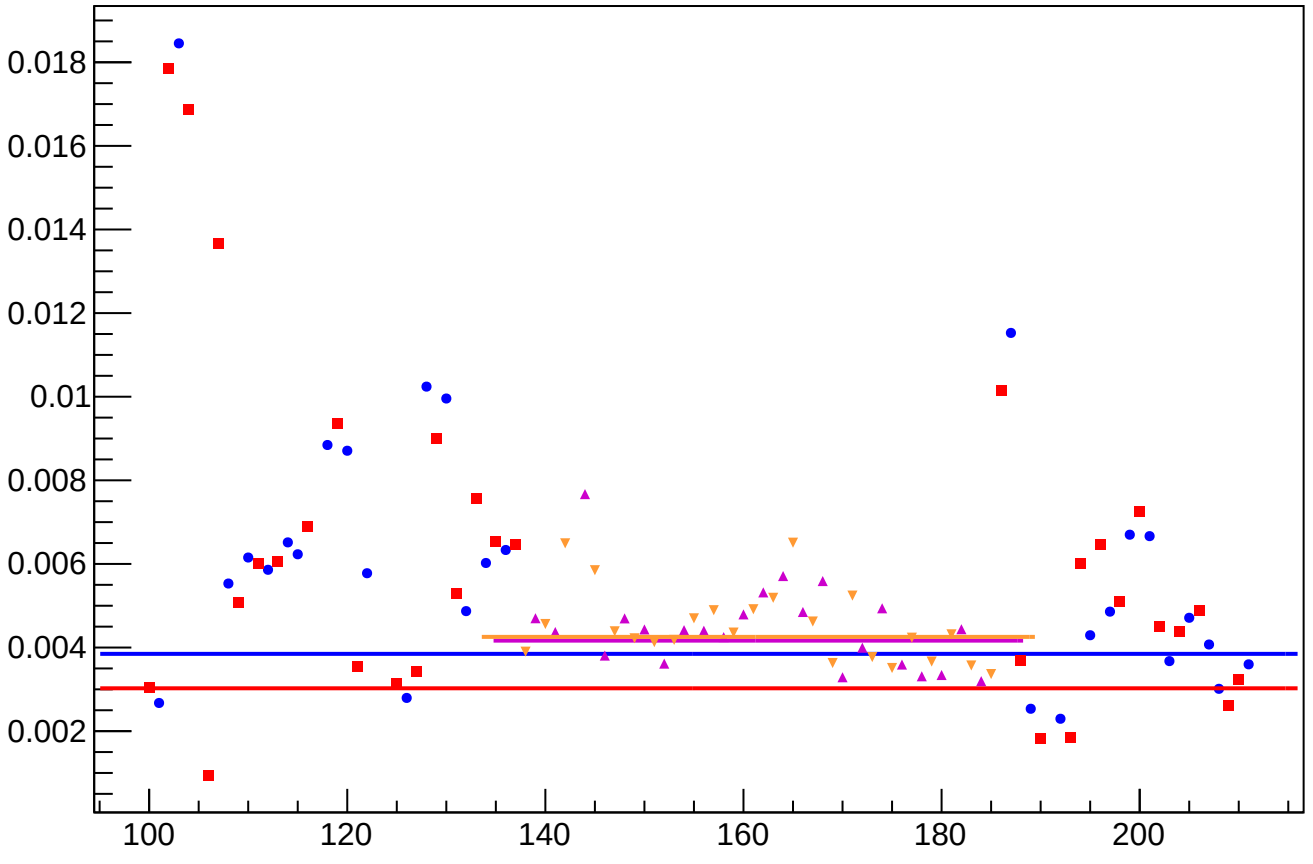
Left In: 98.669+/-0.018 χ^2/NDF:2003365.1/22

+ sign 103.085+/-0.014 χ^2/NDF: 5391698.5/51

All: 102.875+/-0.010 χ^2/NDF: 12450767.2/10

- sign 102.666+/-0.014 χ^2/NDF: 7058610.6/53


asym_us_avg_at1lr_avg_avg_eigen_dit_vs_dit_diff_mean vs Slug
×10⁻³
0.06
0.04
0.02
0
−0.02
−0.04
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 41.2/27
Left Out: -0.000+/-0.000 χ²/NDF:40.2/23
Right Out: -0.000+/-0.000 χ²/NDF: 42.6/30
Left In: -0.000+/-0.000 χ²/NDF:15.9/22
+ sign -0.000+/-0.000 χ²/NDF: 81.9/51
All: -0.000+/-0.000 χ²/NDF: 143.0/105
- sign -0.000+/-0.000 χ²/NDF: 58.5/53



Right In: 0.004+/-0.000 χ^2/NDF: 5281277.8/27

Left Out: 0.004+/-0.000 χ^2/NDF:833222.5/23

Right Out: 0.003+/-0.000 χ^2/NDF: 10342760.7/30

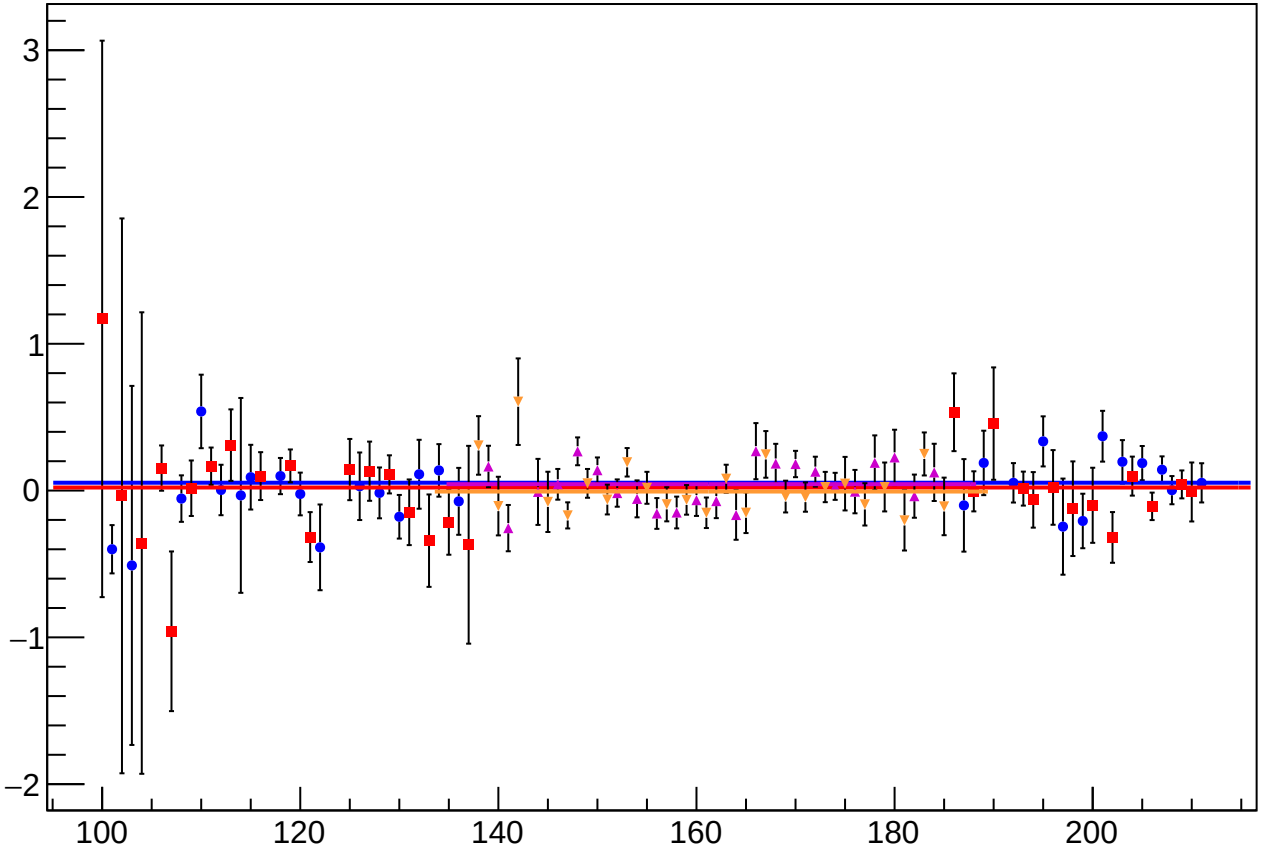
Left In: 0.004+/-0.000 χ^2/NDF:1277434.2/22

+ sign 0.004+/-0.000 χ^2/NDF: 6268100.7/51

All: 0.004+/-0.000 χ^2/NDF: 19896328.5/105

- sign 0.004+/-0.000 χ^2/NDF: 13068841.1/53

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.053+/-0.031 χ^2/NDF: 31.0/27

Left Out: -0.007+/-0.025 χ^2/NDF:27.7/23

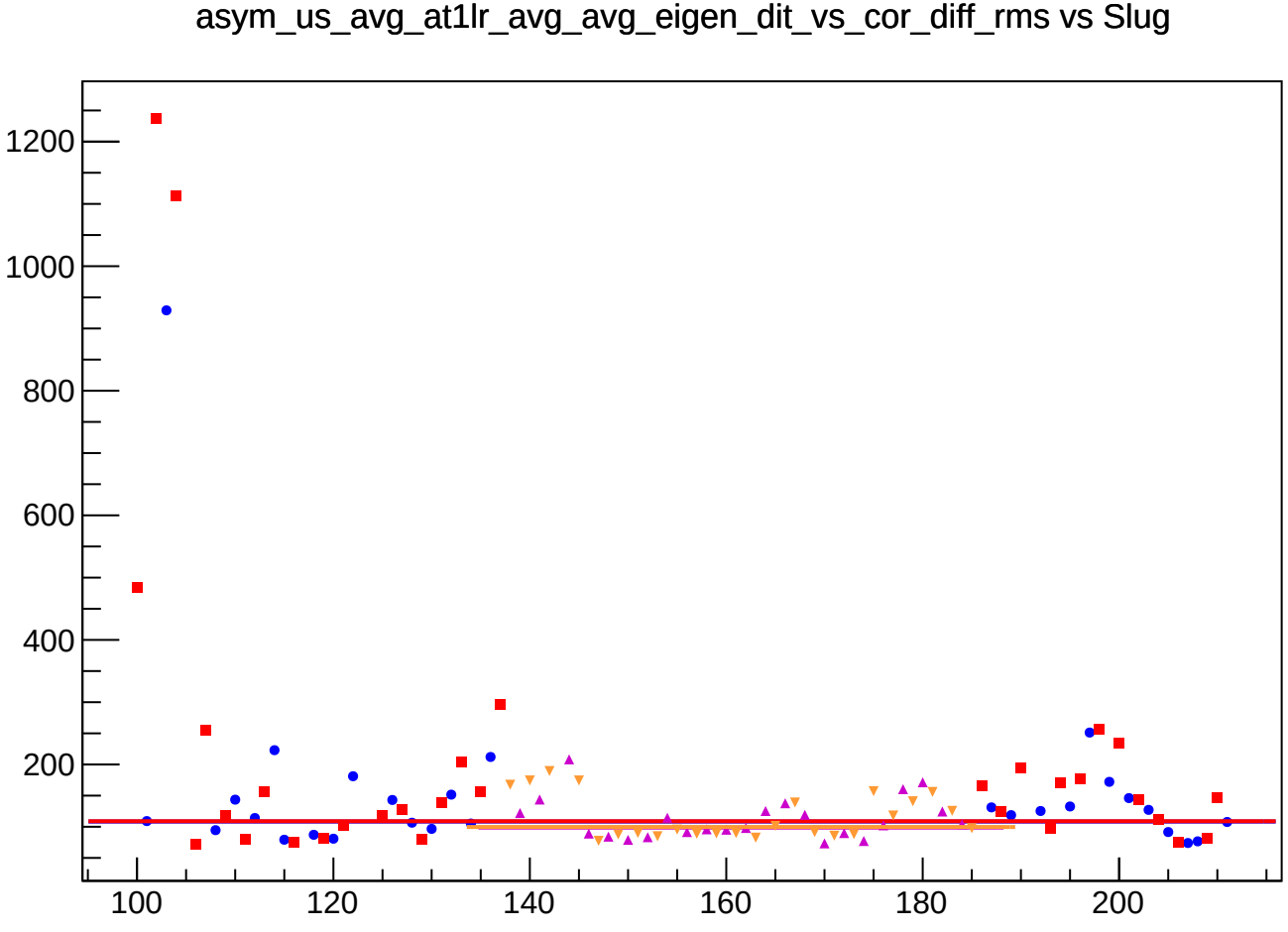
Right Out: 0.021+/-0.031 χ^2/NDF: 29.4/30

Left In: 0.044+/-0.025 χ^2/NDF:30.3/22

+ sign 0.017+/-0.020 χ^2/NDF: 60.9/51

All: 0.026+/-0.014 χ^2/NDF: 121.3/105

- sign 0.035+/-0.020 χ^2/NDF: 59.9/53



Right In: 108.339+/-0.022 χ^2/NDF: 3225239.3/27

Left Out: 99.590+/-0.018 χ^2/NDF:2070951.9/23

Right Out: 108.895+/-0.022 χ^2/NDF: 4925051.8/30

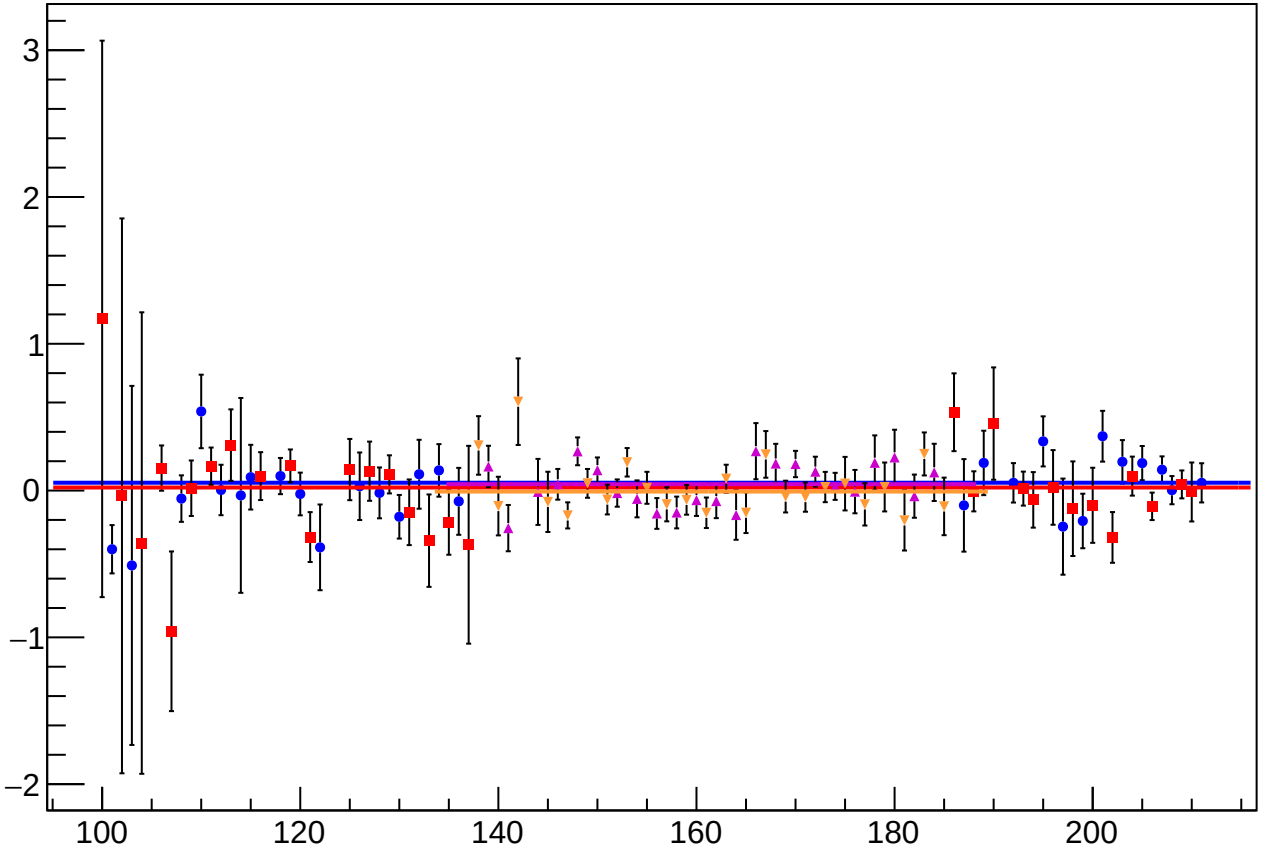
Left In: 98.669+/-0.018 χ^2/NDF:2003332.7/22

+ sign 103.086+/-0.014 χ^2/NDF: 5391579.1/51

All: 102.875+/-0.010 χ^2/NDF: 12450571.3/10

- sign 102.666+/-0.014 χ^2/NDF: 7058533.4/53

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.053+/-0.031 χ^2/NDF: 31.0/27

Left Out: -0.007+/-0.025 χ^2/NDF:27.7/23

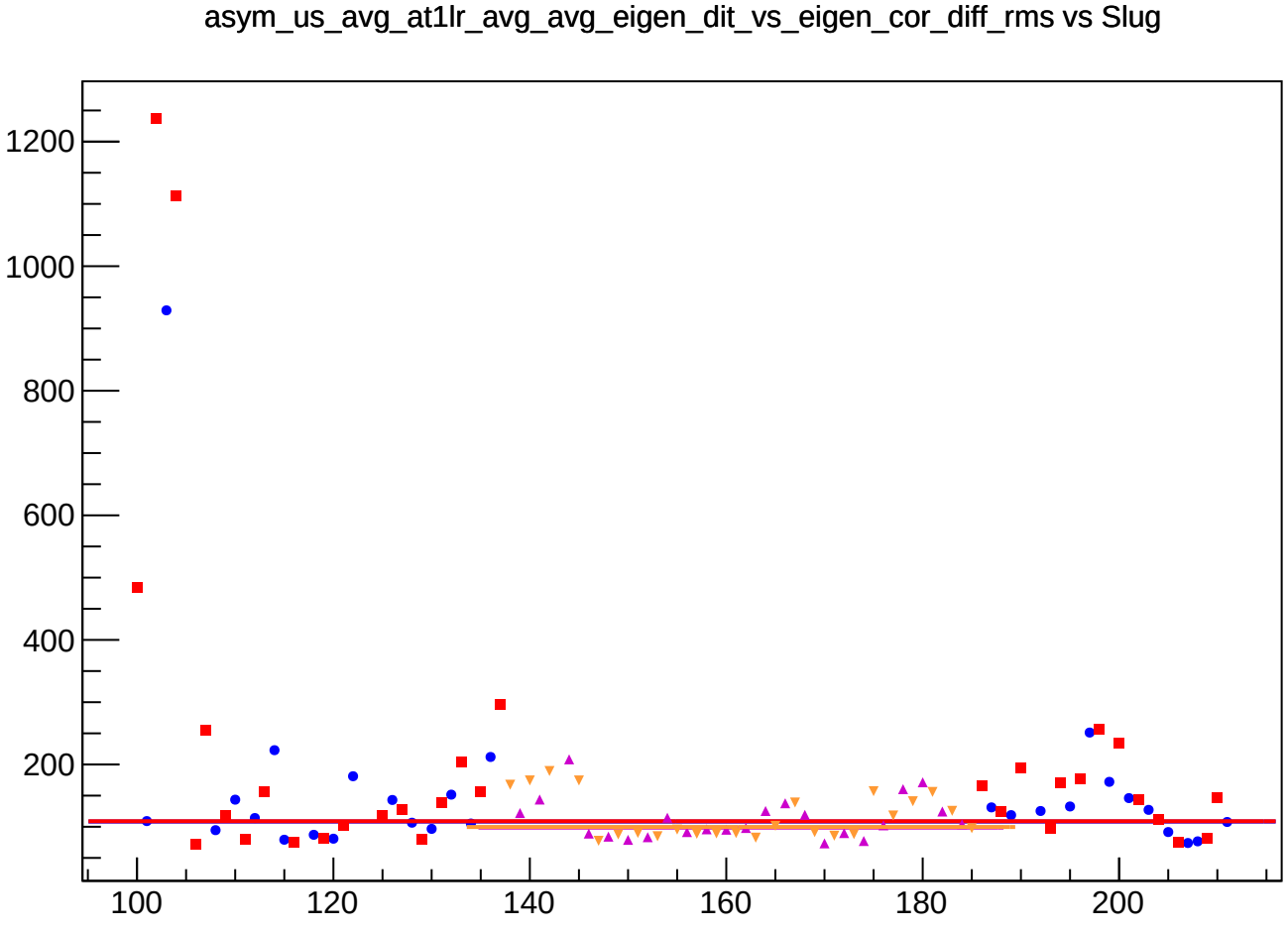
Right Out: 0.021+/-0.031 χ^2/NDF: 29.4/30

Left In: 0.044+/-0.025 χ^2/NDF:30.3/22

+ sign 0.017+/-0.020 χ^2/NDF: 60.9/51

All: 0.026+/-0.014 χ^2/NDF: 121.3/105

- sign 0.035+/-0.020 χ^2/NDF: 59.9/53



Right In: 108.339+/-0.022 χ^2/NDF: 3225239.3/27

Left Out: 99.590+/-0.018 χ^2/NDF:2070951.9/23

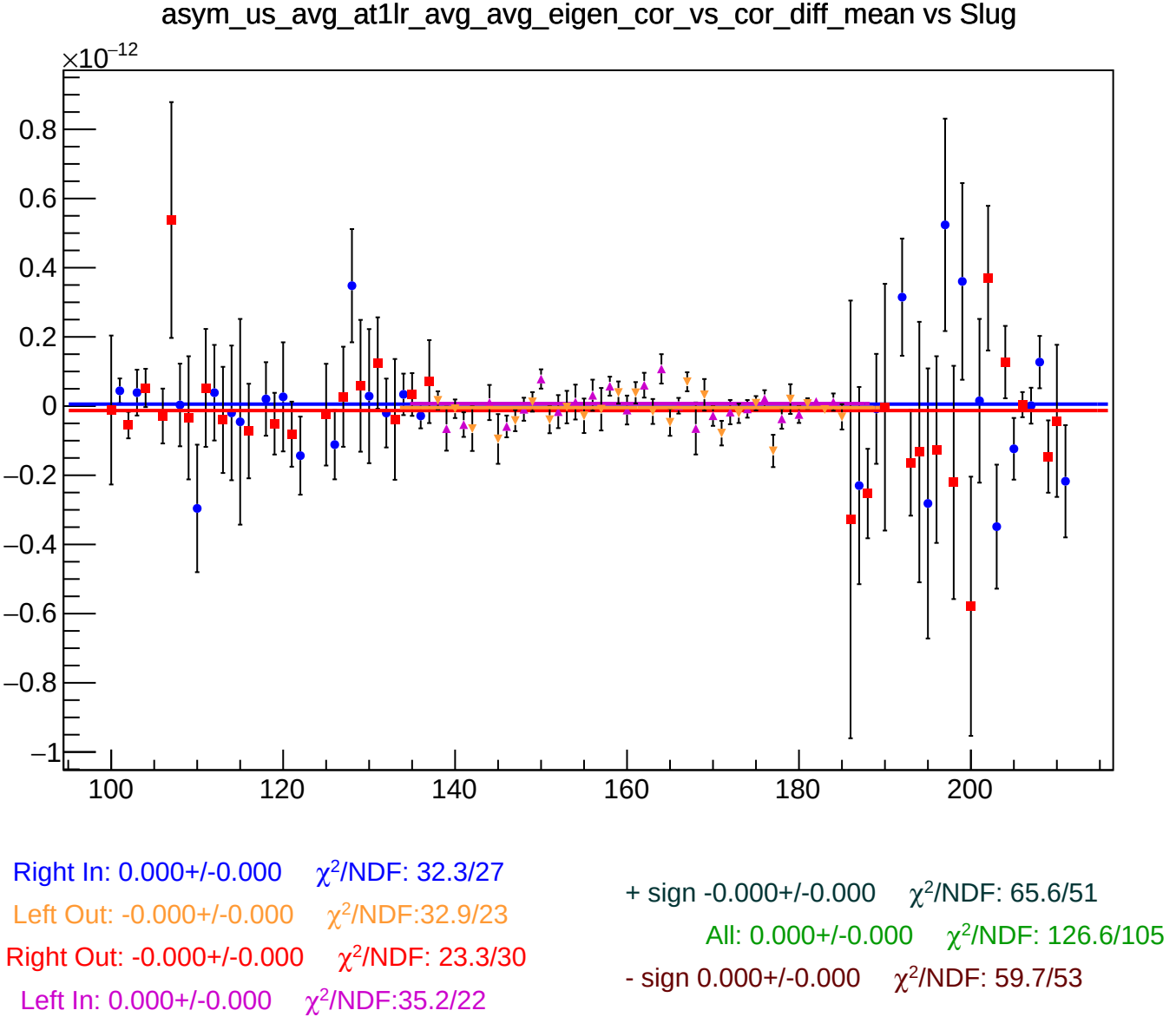
Right Out: 108.895+/-0.022 χ^2/NDF: 4925051.8/30

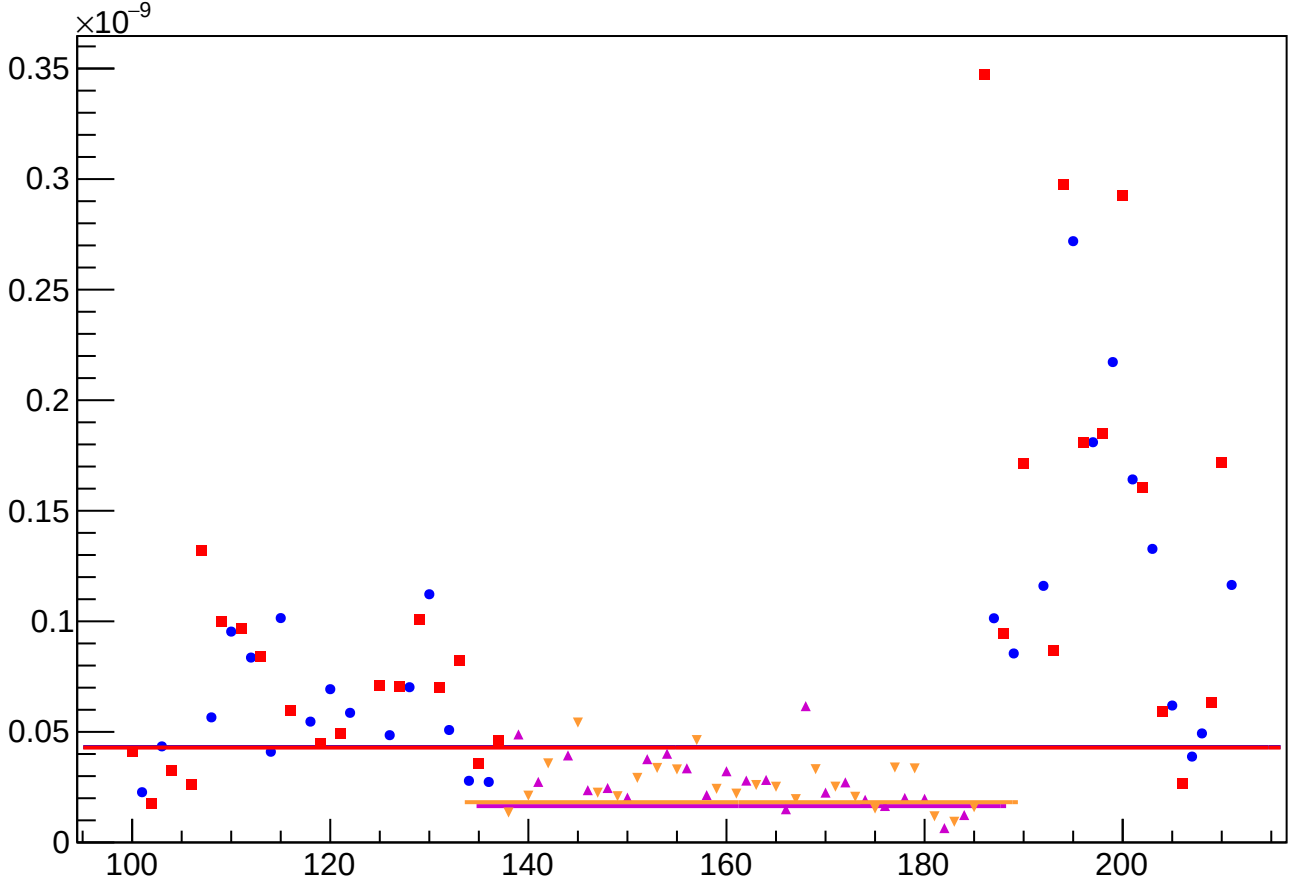
Left In: 98.669+/-0.018 χ^2/NDF:2003332.7/22

+ sign 103.086+/-0.014 χ^2/NDF: 5391579.1/51

All: 102.875+/-0.010 χ^2/NDF: 12450571.3/10

- sign 102.666+/-0.014 χ^2/NDF: 7058533.4/53


asym_us_avg_at1lr_avg_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
−1
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 32.3/27
Left Out: -0.000+/-0.000 χ²/NDF:32.9/23
Right Out: -0.000+/-0.000 χ²/NDF: 23.3/30
Left In: 0.000+/-0.000 χ²/NDF:35.2/22
+ sign -0.000+/-0.000 χ²/NDF: 65.6/51
All: 0.000+/-0.000 χ²/NDF: 126.6/105
- sign 0.000+/-0.000 χ²/NDF: 59.7/53



Right In: 0.000+/-0.000 χ^2/NDF: 6026236.3/27

Left Out: 0.000+/-0.000 χ^2/NDF:4306302.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 8021265.2/30

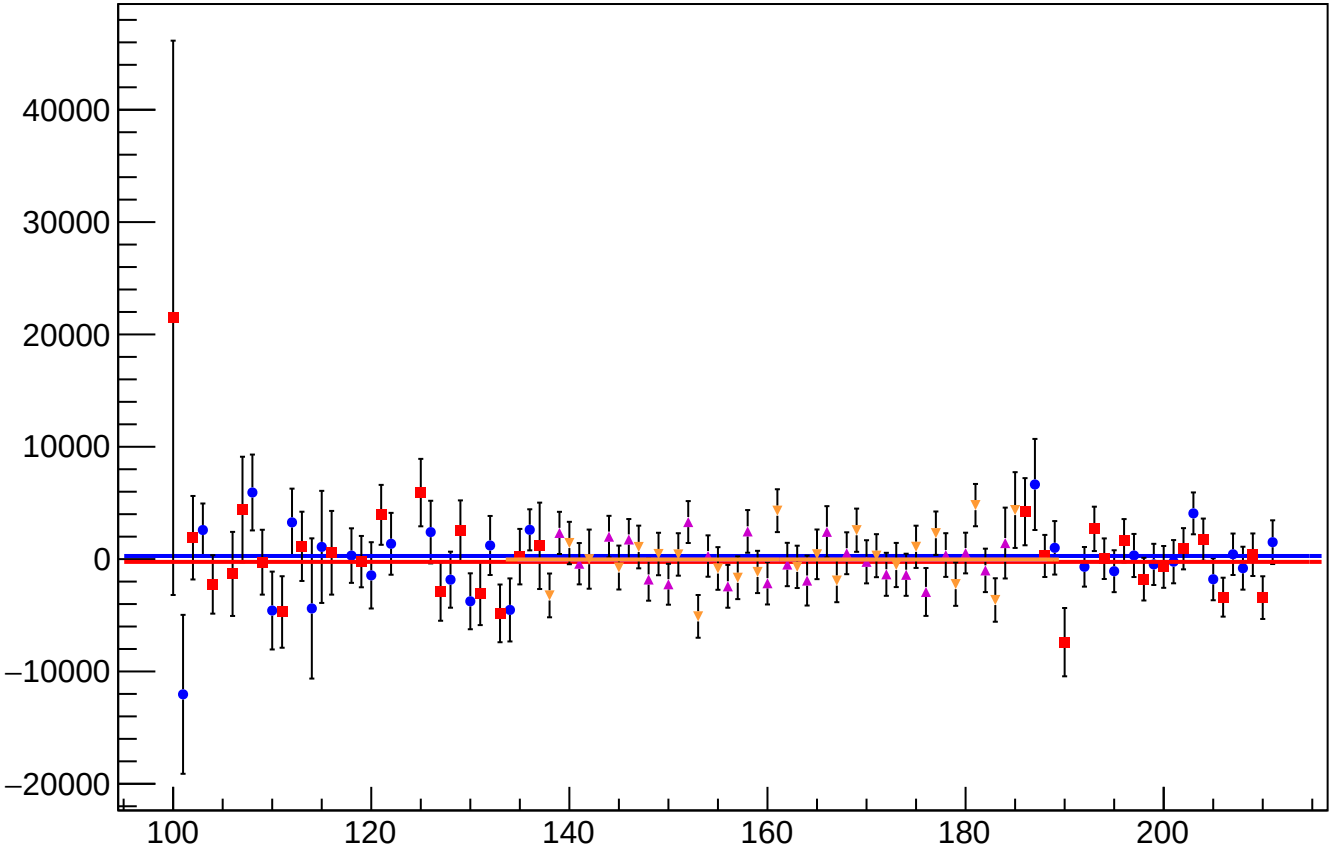
Left In: 0.000+/-0.000 χ^2/NDF:7007463.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 14319871.0/51

All: 0.000+/-0.000 χ^2/NDF: 33701360.1/105

- sign 0.000+/-0.000 χ^2/NDF: 19220753.3/53

reg_asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: 279.404+/-443.801 χ^2/NDF: 29.2/27

Left Out: -34.799+/-401.970 χ^2/NDF:35.4/23

Right Out: -247.163+/-432.680 χ^2/NDF: 37.5/30

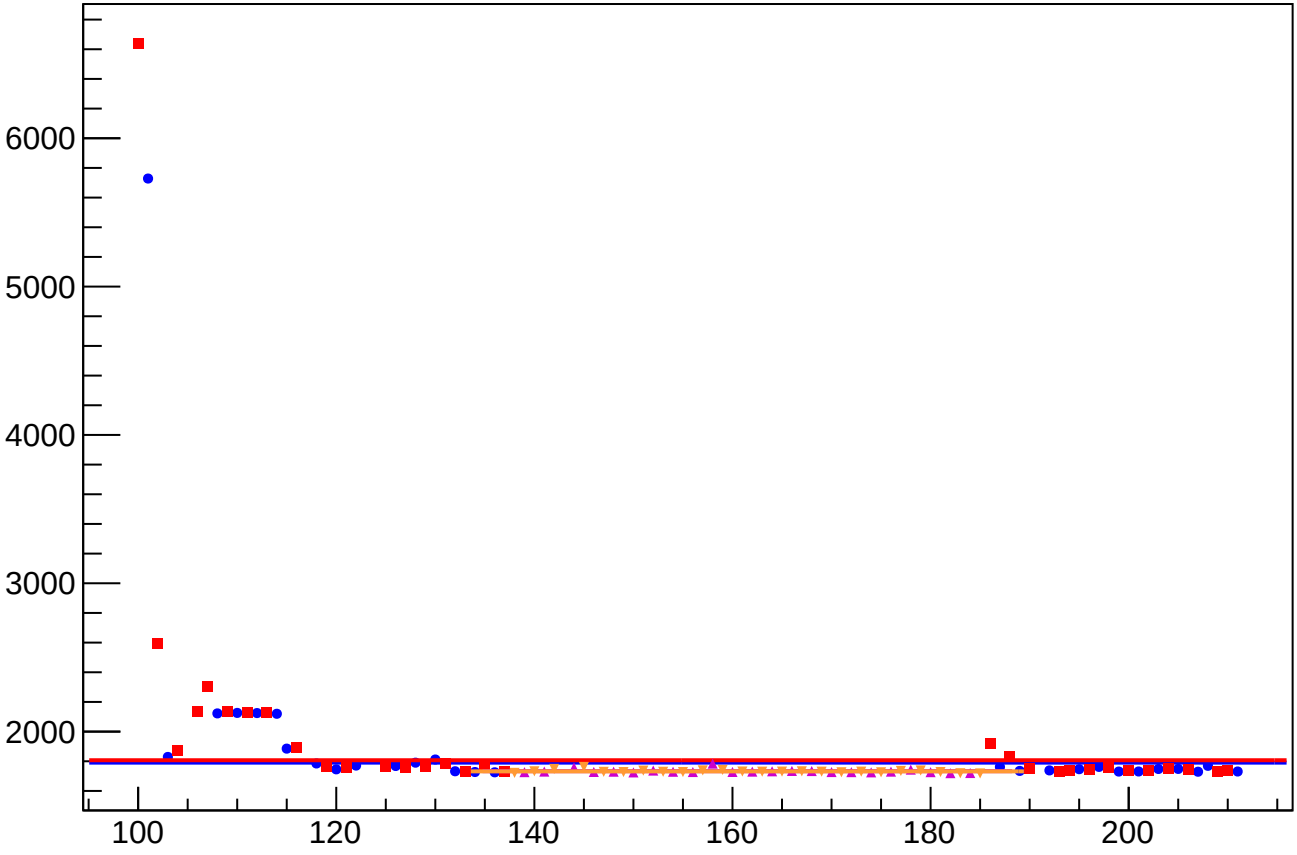
Left In: -52.796+/-404.703 χ^2/NDF:19.4/22

+ sign 106.801+/-297.930 χ^2/NDF: 64.8/51

All: -19.344+/-209.827 χ^2/NDF: 122.2/105

- sign -143.493+/-295.564 χ^2/NDF: 57.1/53

reg_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1790.924+/-0.314 χ^2/NDF: 709710.3/27

Left Out: 1731.985+/-0.284 χ^2/NDF:937.2/23

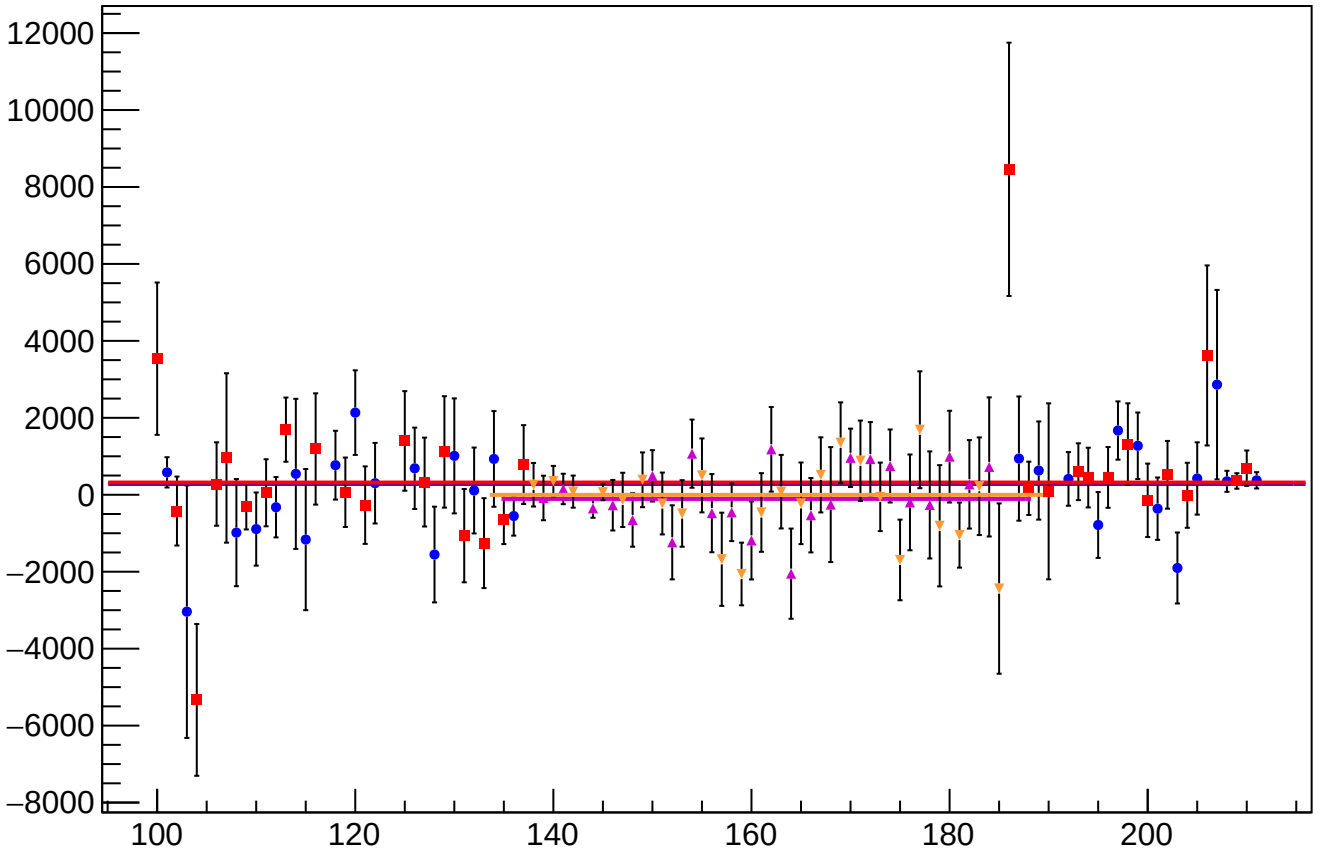
Right Out: 1806.914+/-0.306 χ^2/NDF: 311019.8/30

Left In: 1733.315+/-0.286 χ^2/NDF:2230.5/22

+ sign 1758.547+/-0.211 χ^2/NDF: 730024.8/51

All: 1763.139+/-0.148 χ^2/NDF: 1075083.2/10

- sign 1767.659+/-0.209 χ^2/NDF: 344115.6/53



Right In: 283.364+/-121.530 χ^2/NDF: 28.0/27

Left Out: -2.406+/-130.052 χ^2/NDF:20.3/23

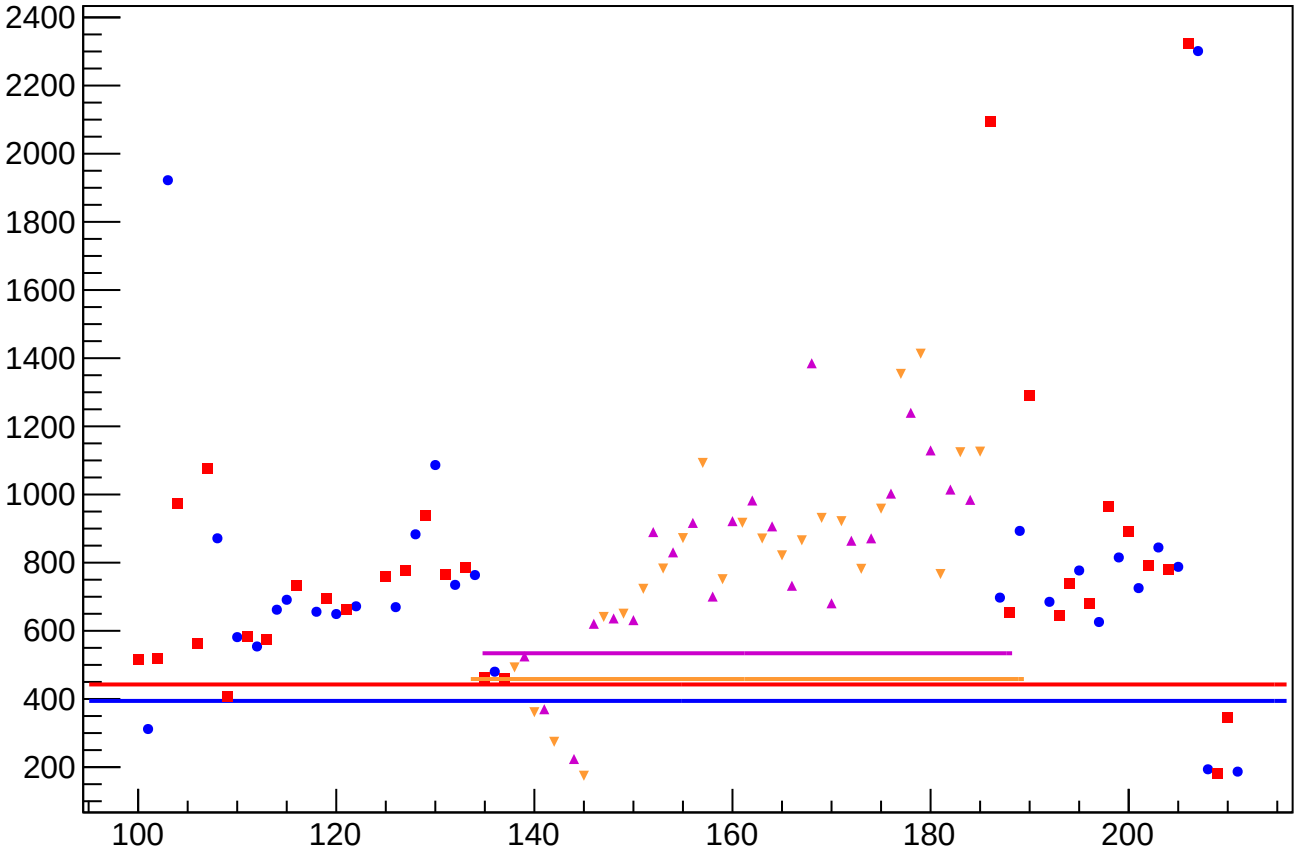
Right Out: 317.505+/-129.859 χ^2/NDF: 33.2/30

Left In: -108.386+/-143.315 χ^2/NDF:17.0/22

+ sign 150.148+/-88.795 χ^2/NDF: 50.8/51

All: 138.807+/-65.258 χ^2/NDF: 105.9/105

- sign 125.486+/-96.230 χ^2/NDF: 55.0/53



Right In: 394.341+/-0.086 χ^2/NDF: 9852084.5/27

Left Out: 458.579+/-0.092 χ^2/NDF:11426734.4/23

Right Out: 442.598+/-0.092 χ^2/NDF: 9488529.3/30

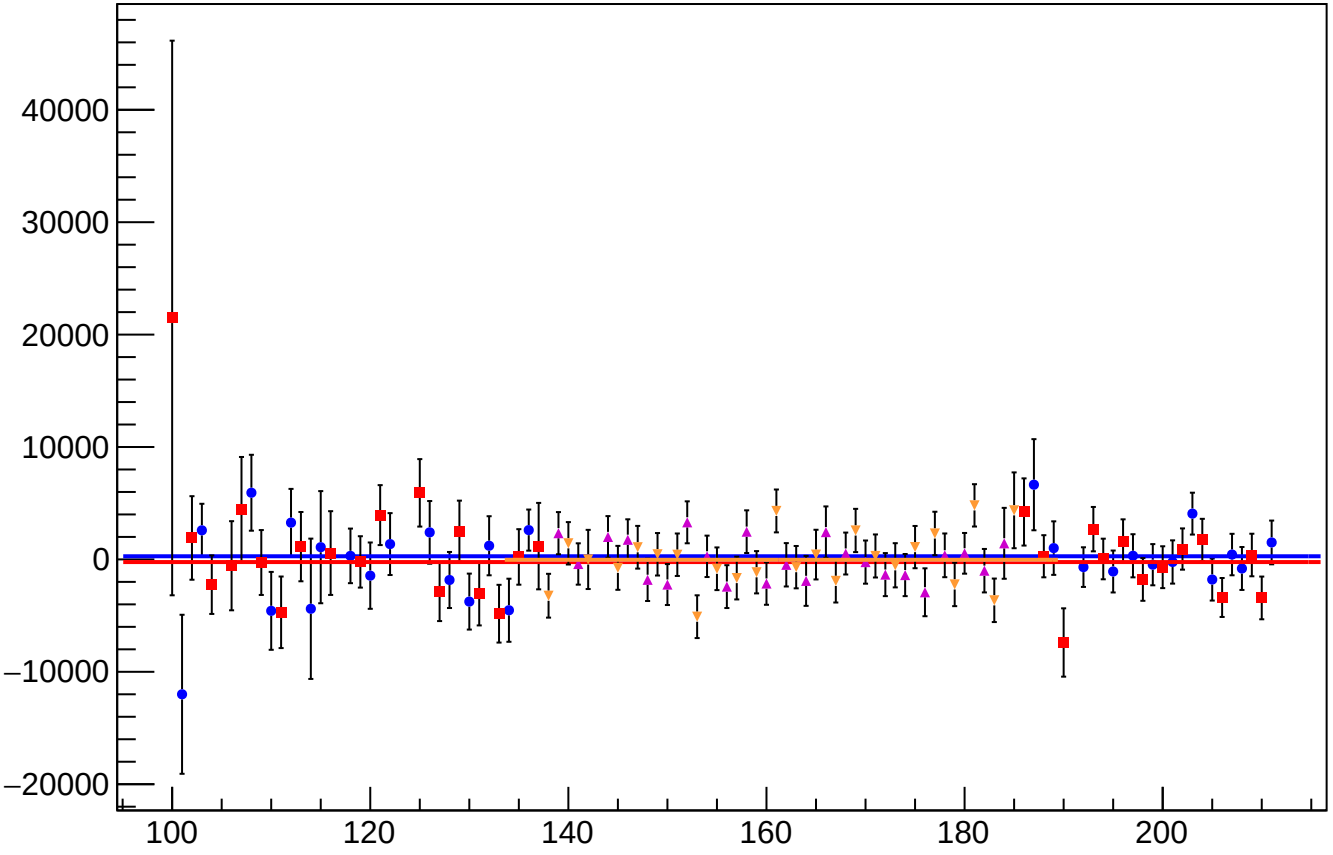
Left In: 534.161+/-0.101 χ^2/NDF:8443293.1/22

+ sign 424.287+/-0.063 χ^2/NDF: 21539306.2/51

All: 451.692+/-0.046 χ^2/NDF: 40333709.0/10

- sign 483.880+/-0.068 χ^2/NDF: 18380120.2/53

cor_asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: 279.384+/-443.801 χ^2/NDF: 29.1/27

Left Out: -34.742+/-401.970 χ^2/NDF:35.4/23

Right Out: -236.482+/-432.995 χ^2/NDF: 37.5/30

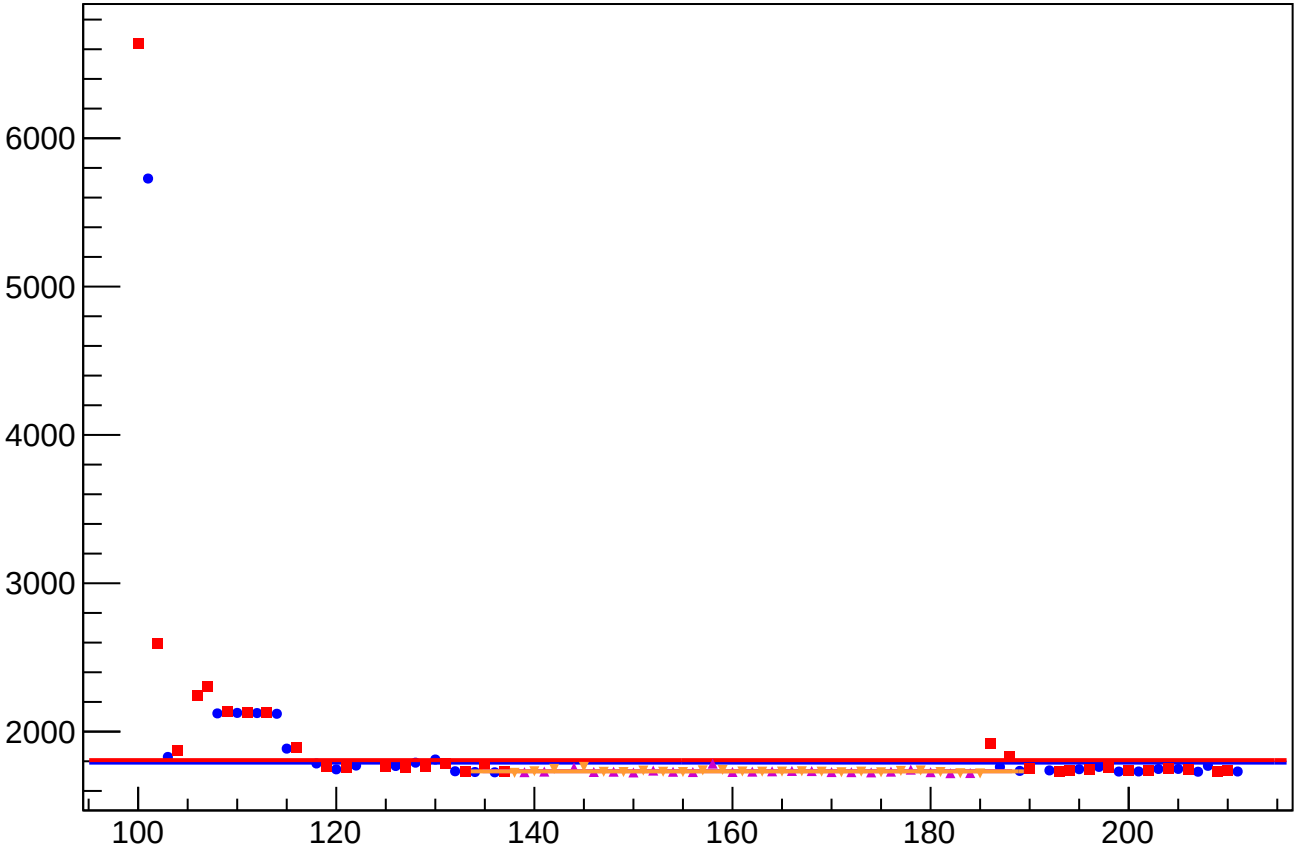
Left In: -52.714+/-404.703 χ^2/NDF:19.4/22

+ sign 106.823+/-297.930 χ^2/NDF: 64.8/51

All: -16.724+/-209.863 χ^2/NDF: 122.1/105

- sign -138.398+/-295.665 χ^2/NDF: 57.0/53

cor_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1790.924+/-0.314 χ^2/NDF: 709710.2/27

Left Out: 1731.985+/-0.284 χ^2/NDF:937.2/23

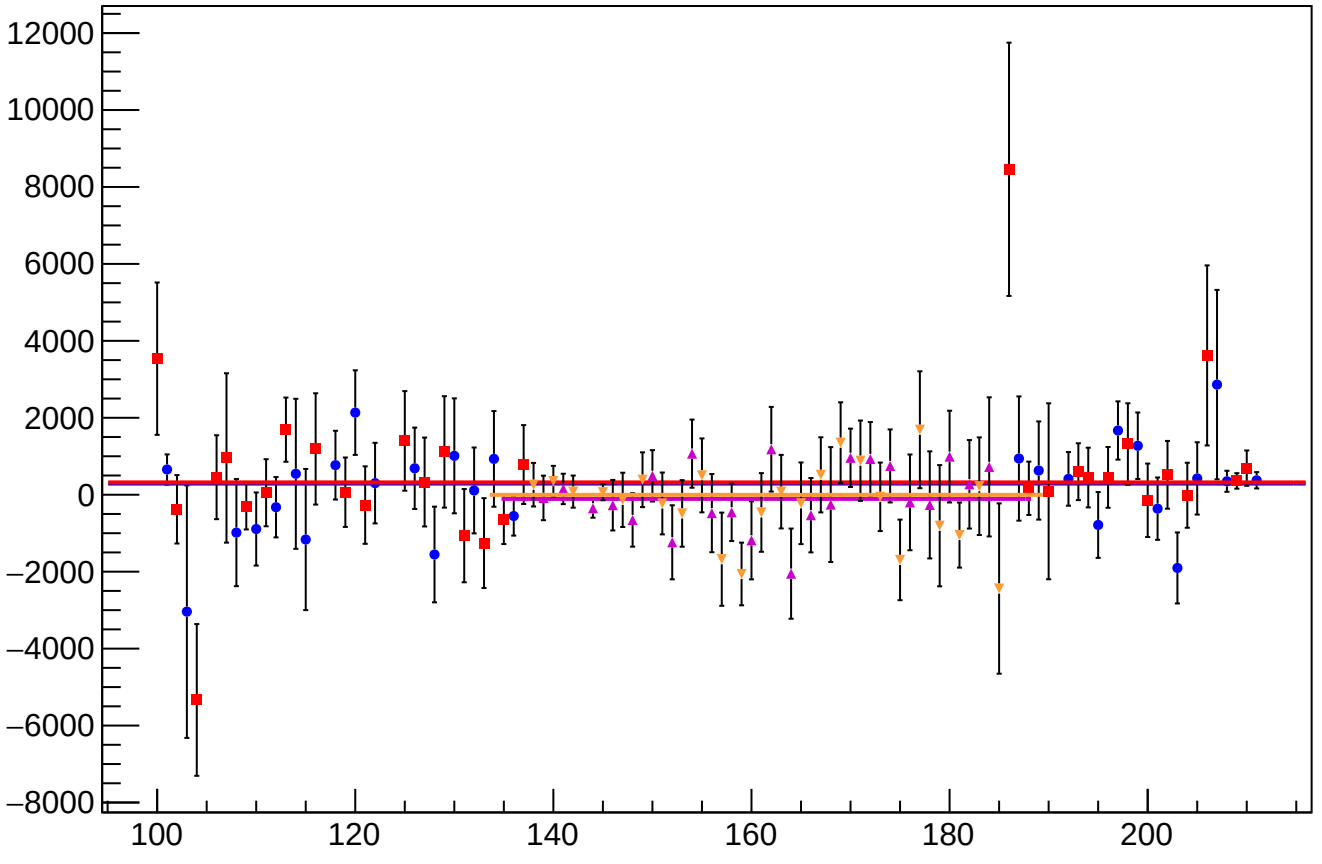
Right Out: 1807.687+/-0.306 χ^2/NDF: 319544.0/30

Left In: 1733.315+/-0.286 χ^2/NDF:2230.5/22

+ sign 1758.547+/-0.211 χ^2/NDF: 730024.6/51

All: 1763.305+/-0.148 χ^2/NDF: 1084304.5/10

- sign 1767.992+/-0.209 χ^2/NDF: 353267.0/53



Right In: 290.477+/-121.511 χ^2/NDF: 28.3/27

Left Out: -2.529+/-130.054 χ^2/NDF:20.3/23

Right Out: 320.832+/-129.846 χ^2/NDF: 33.1/30

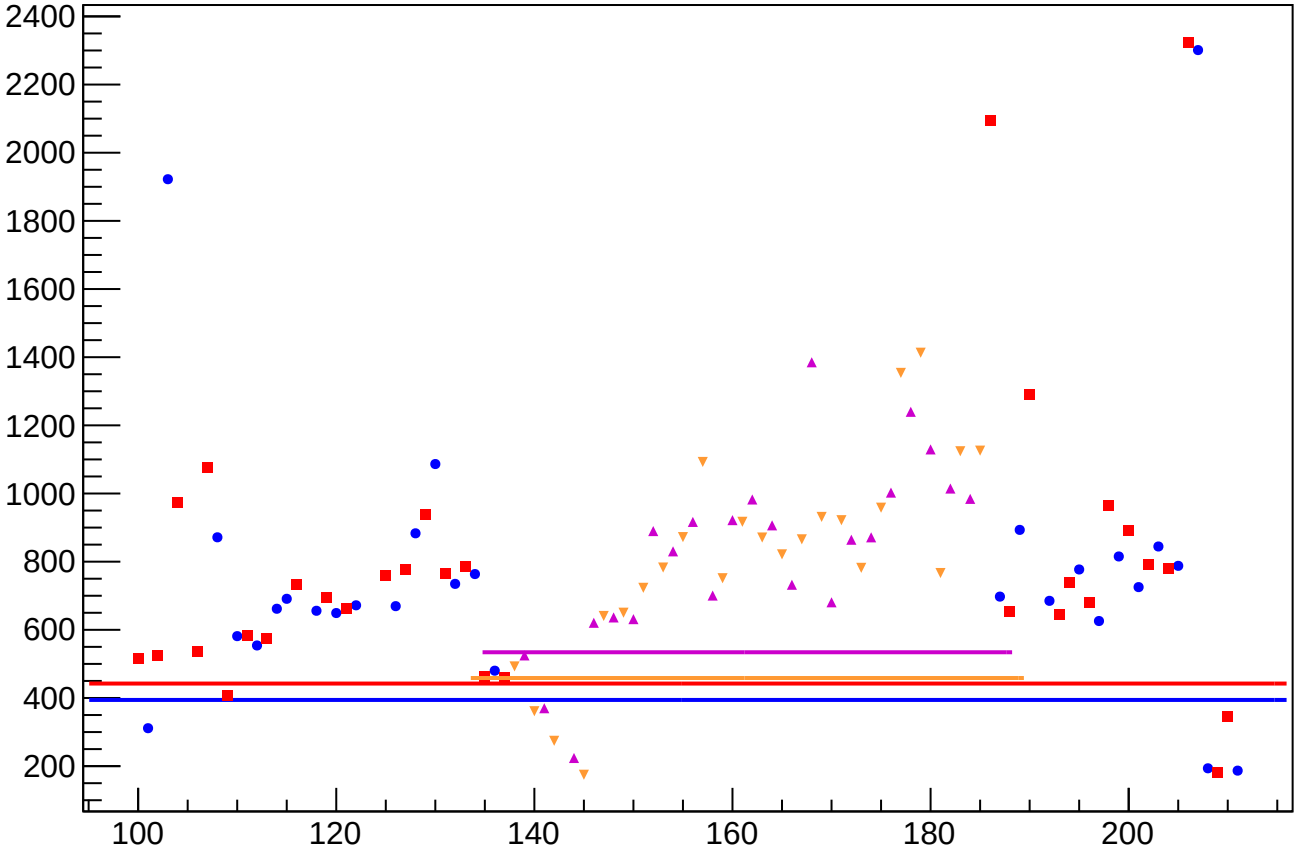
Left In: -108.358+/-143.315 χ^2/NDF:17.0/22

\+ sign 153.912+/-88.788 χ^2/NDF: 51.3/51

All: 141.696+/-65.254 χ^2/NDF: 106.4/105

\- sign 127.349+/-96.225 χ^2/NDF: 55.0/53

asym_us_avg_at1lr_avg_dd_cor_correction_rms vs Slug



Right In: 394.248+/-0.086 χ^2/NDF: 9854433.2/27

Left Out: 458.589+/-0.092 χ^2/NDF:11426319.1/23

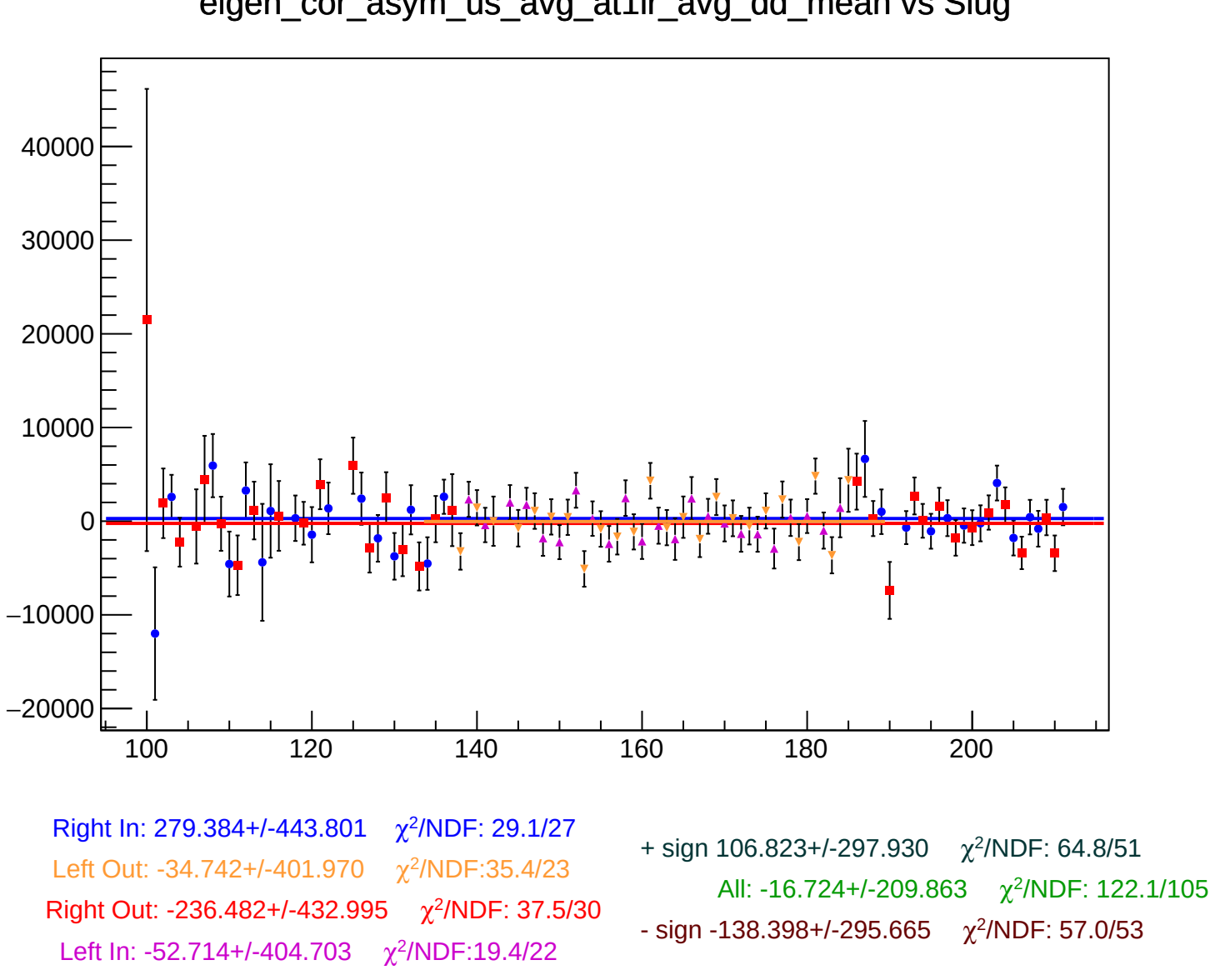
Right Out: 442.340+/-0.092 χ^2/NDF: 9482331.5/30

Left In: 534.168+/-0.101 χ^2/NDF:8442812.5/22

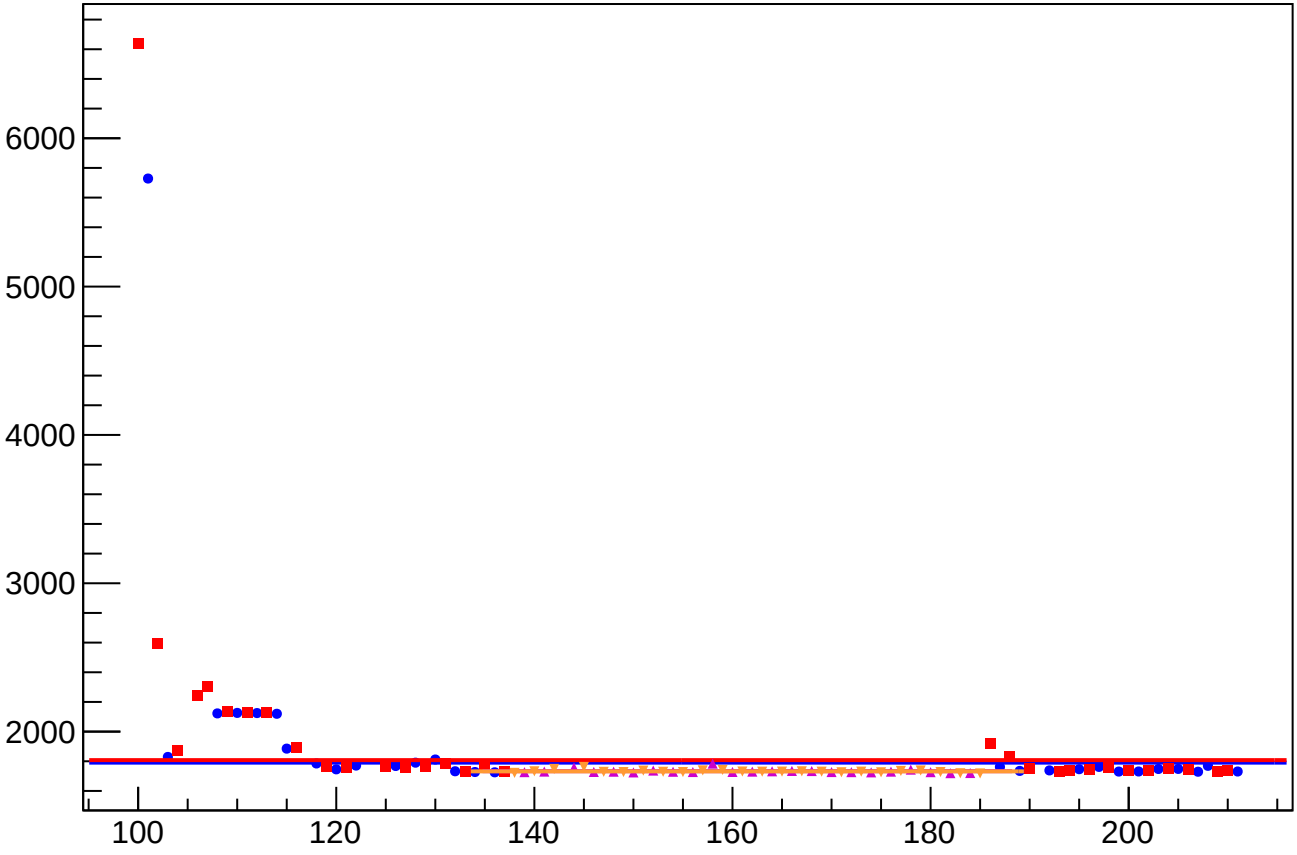
+ sign 424.236+/-0.063 χ^2/NDF: 21542113.8/51

All: 451.599+/-0.046 χ^2/NDF: 40331253.3/10

- sign 483.737+/-0.068 χ^2/NDF: 18376093.1/53


eigen_cor_asym_us_avg_at1lr_avg_dd_mean vs Slug
40000
30000
20000
10000
0
−10000
−20000
100
120
140
160
180
200
Right In: 279.384+/-443.801 χ²/NDF: 29.1/27
Left Out: -34.742+/-401.970 χ²/NDF:35.4/23
Right Out: -236.482+/-432.995 χ²/NDF: 37.5/30
Left In: -52.714+/-404.703 χ²/NDF:19.4/22
+ sign 106.823+/-297.930 χ²/NDF: 64.8/51
All: -16.724+/-209.863 χ²/NDF: 122.1/105
- sign -138.398+/-295.665 χ²/NDF: 57.0/53

eigen_cor_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1790.924+/-0.314 χ^2/NDF: 709710.2/27

Left Out: 1731.985+/-0.284 χ^2/NDF:937.2/23

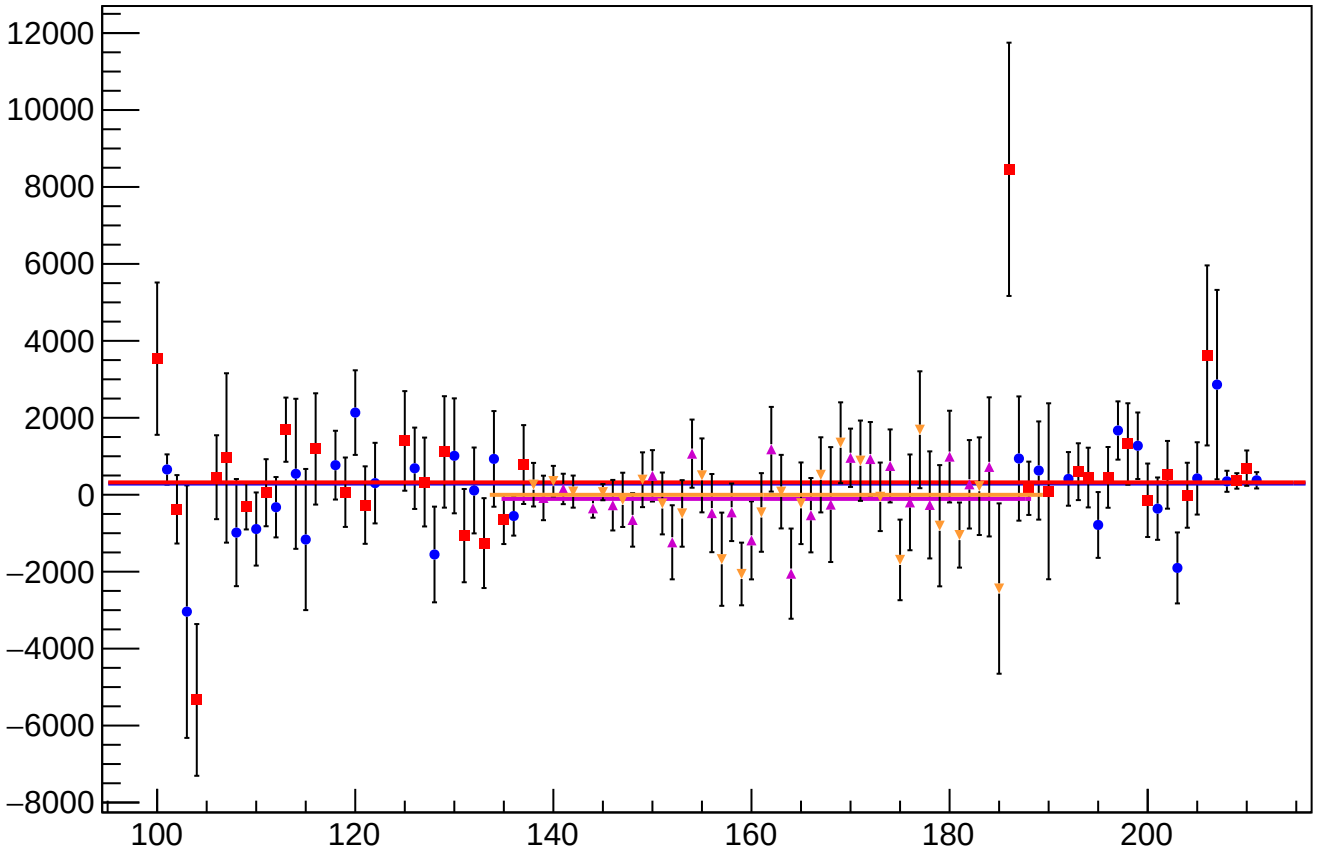
Right Out: 1807.687+/-0.306 χ^2/NDF: 319544.0/30

Left In: 1733.315+/-0.286 χ^2/NDF:2230.5/22

+ sign 1758.547+/-0.211 χ^2/NDF: 730024.6/51

All: 1763.305+/-0.148 χ^2/NDF: 1084304.5/10

- sign 1767.992+/-0.209 χ^2/NDF: 353267.0/53



Right In: 290.477+/-121.511 χ^2/NDF: 28.3/27

Left Out: -2.529+/-130.054 χ^2/NDF:20.3/23

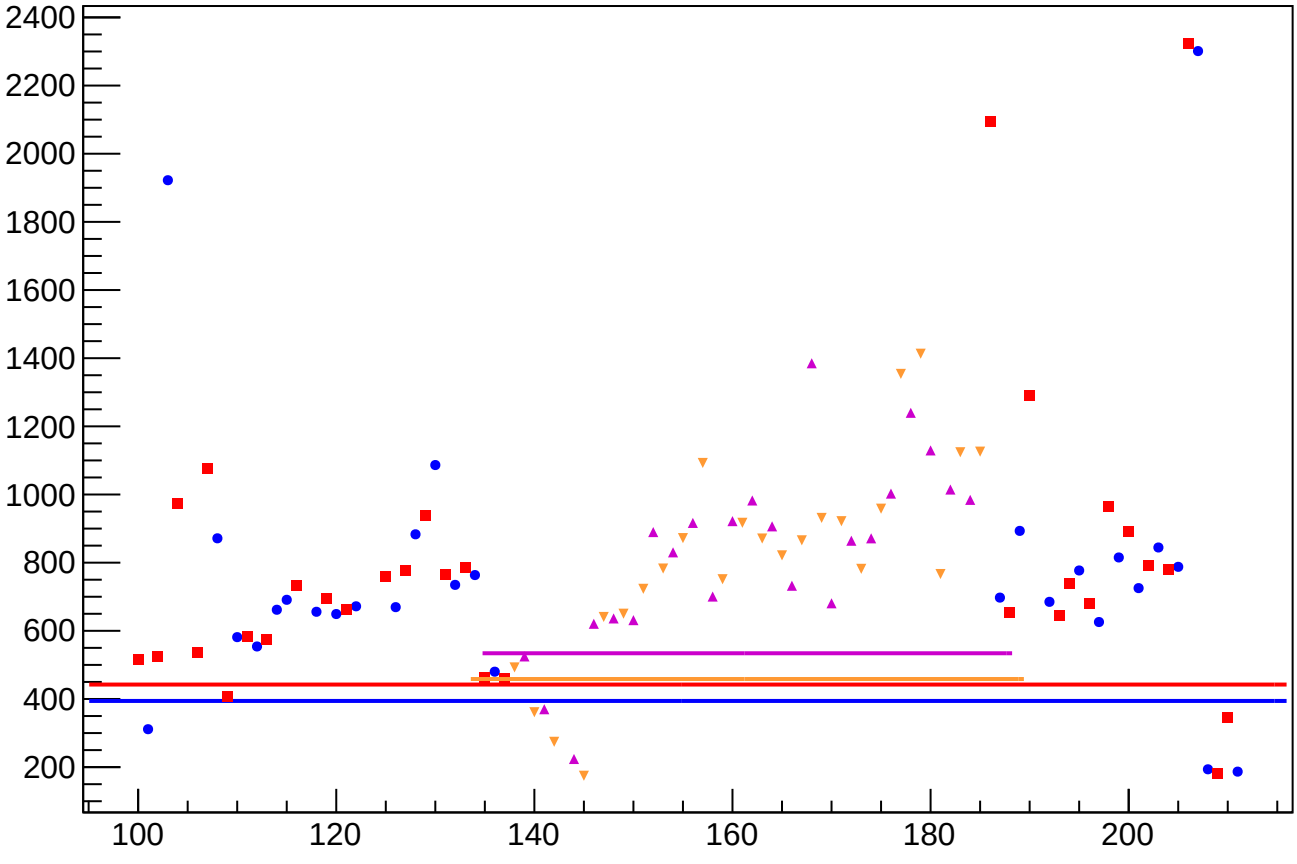
Right Out: 320.832+/-129.846 χ^2/NDF: 33.1/30

Left In: -108.358+/-143.315 χ^2/NDF:17.0/22

+ sign 153.912+/-88.788 χ^2/NDF: 51.3/51

All: 141.696+/-65.254 χ^2/NDF: 106.4/105

- sign 127.349+/-96.225 χ^2/NDF: 55.0/53



Right In: 394.248+/-0.086 χ^2/NDF: 9854433.2/27

Left Out: 458.589+/-0.092 χ^2/NDF:11426319.1/23

Right Out: 442.340+/-0.092 χ^2/NDF: 9482331.5/30

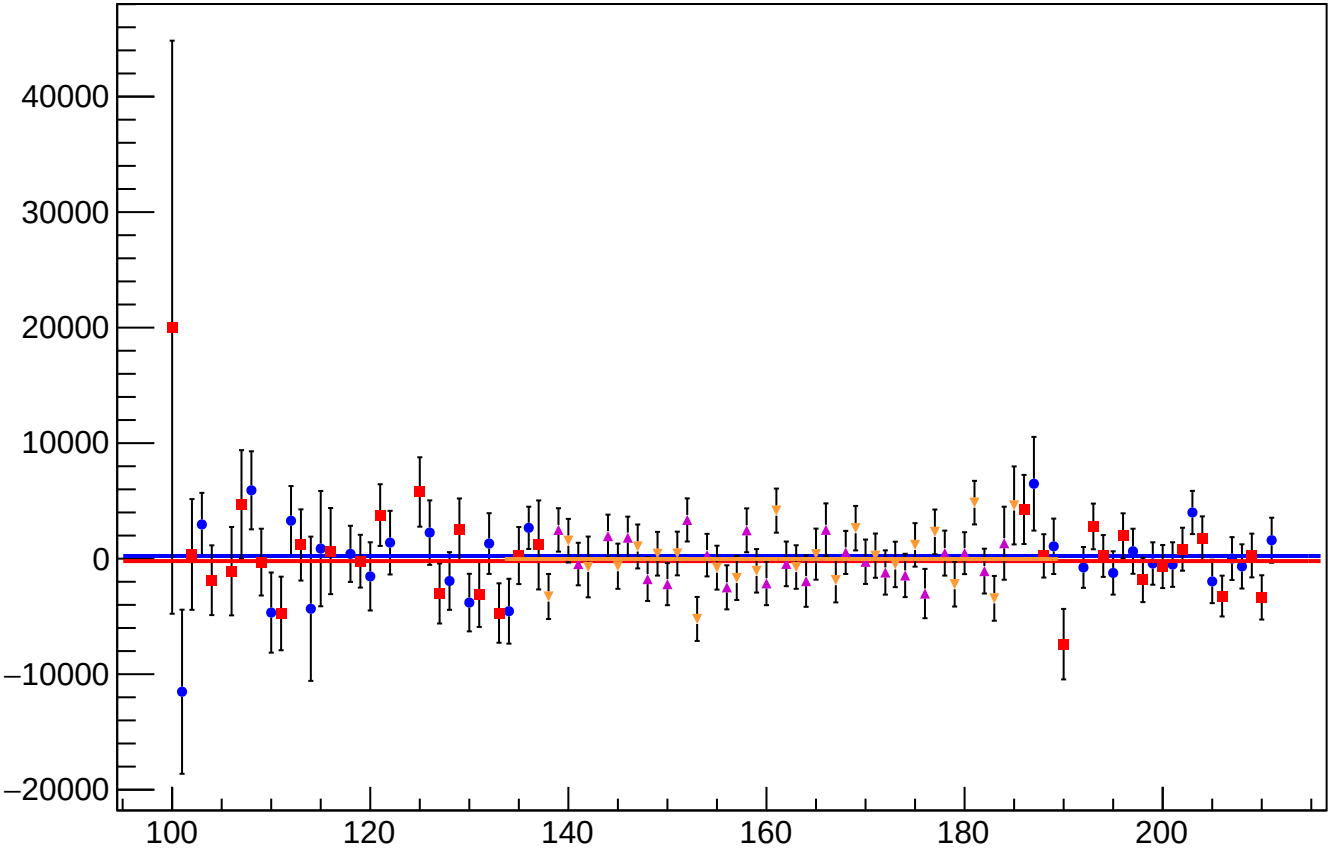
Left In: 534.168+/-0.101 χ^2/NDF:8442812.5/22

+ sign 424.236+/-0.063 χ^2/NDF: 21542113.8/51

All: 451.599+/-0.046 χ^2/NDF: 40331253.3/10

- sign 483.737+/-0.068 χ^2/NDF: 18376093.1/53

dit_asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: 230.488+/-447.146 χ^2/NDF: 29.3/27

Left Out: -29.389+/-402.317 χ^2/NDF:35.4/23

Right Out: -209.137+/-437.413 χ^2/NDF: 36.4/30

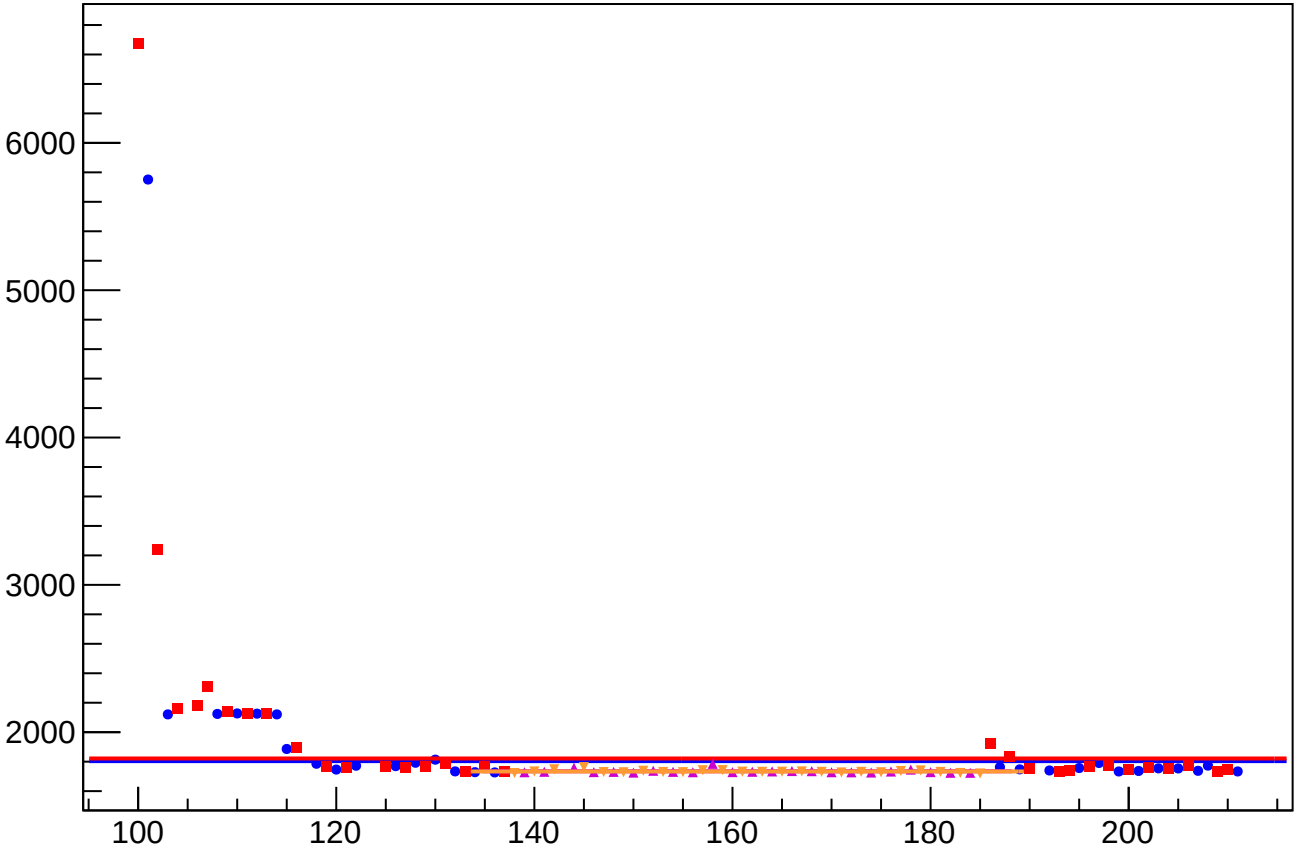
Left In: -42.465+/-405.052 χ^2/NDF:19.9/22

+ sign 86.873+/-299.078 χ^2/NDF: 64.9/51

All: -16.918+/-210.812 χ^2/NDF: 121.5/105

- sign -119.408+/-297.197 χ^2/NDF: 56.3/53

dit_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1803.659+/-0.316 χ^2/NDF: 735466.9/27

Left Out: 1733.478+/-0.284 χ^2/NDF:901.3/23

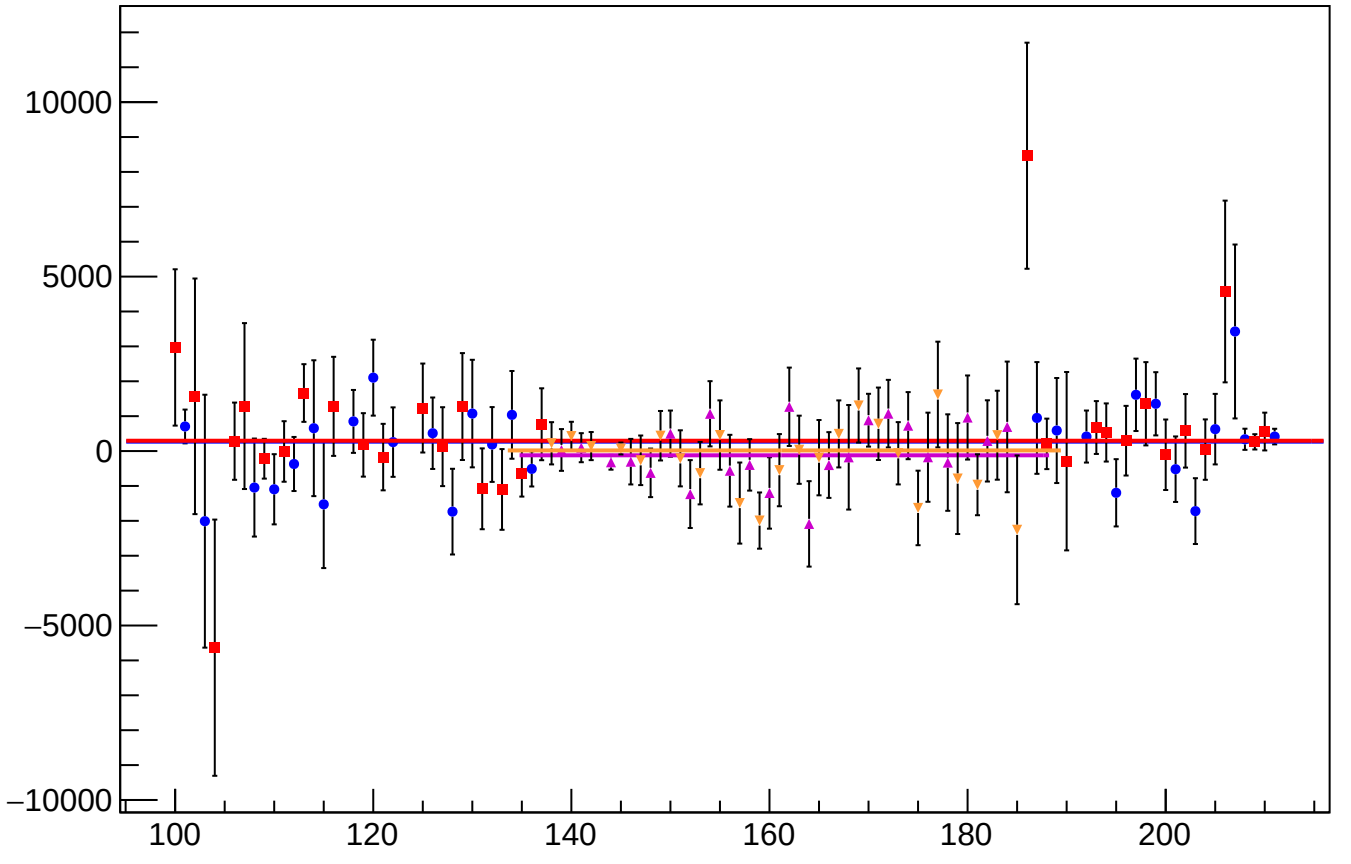
Right Out: 1821.557+/-0.309 χ^2/NDF: 420024.1/30

Left In: 1734.810+/-0.286 χ^2/NDF:2175.7/22

+ sign 1764.875+/-0.211 χ^2/NDF: 763594.9/51

All: 1769.897+/-0.149 χ^2/NDF: 1229262.8/10

- sign 1774.856+/-0.210 χ^2/NDF: 464547.1/53



Right In: 270.045+/-130.445 χ^2/NDF: 27.7/27

Left Out: 18.027+/-119.333 χ^2/NDF:19.4/23

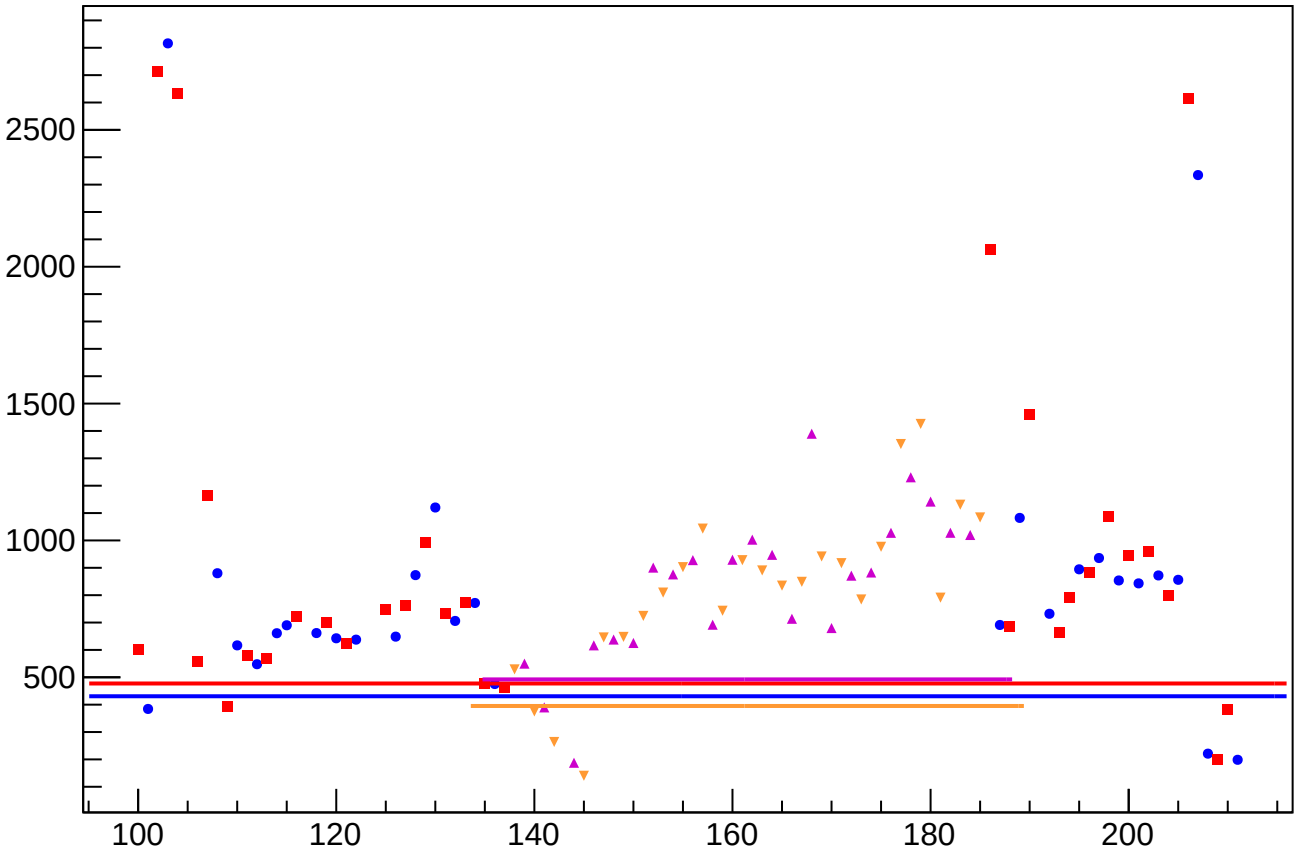
Right Out: 295.821+/-139.815 χ^2/NDF: 25.6/30

Left In: -121.705+/-137.150 χ^2/NDF:16.5/22

+ sign 132.847+/-88.048 χ^2/NDF: 49.2/51

All: 110.577+/-65.469 χ^2/NDF: 95.9/105

- sign 83.040+/-97.908 χ^2/NDF: 46.6/53



Right In: 430.683+/-0.092 χ^2/NDF: 10196857.3/27

Left Out: 395.188+/-0.084 χ^2/NDF:14334419.9/23

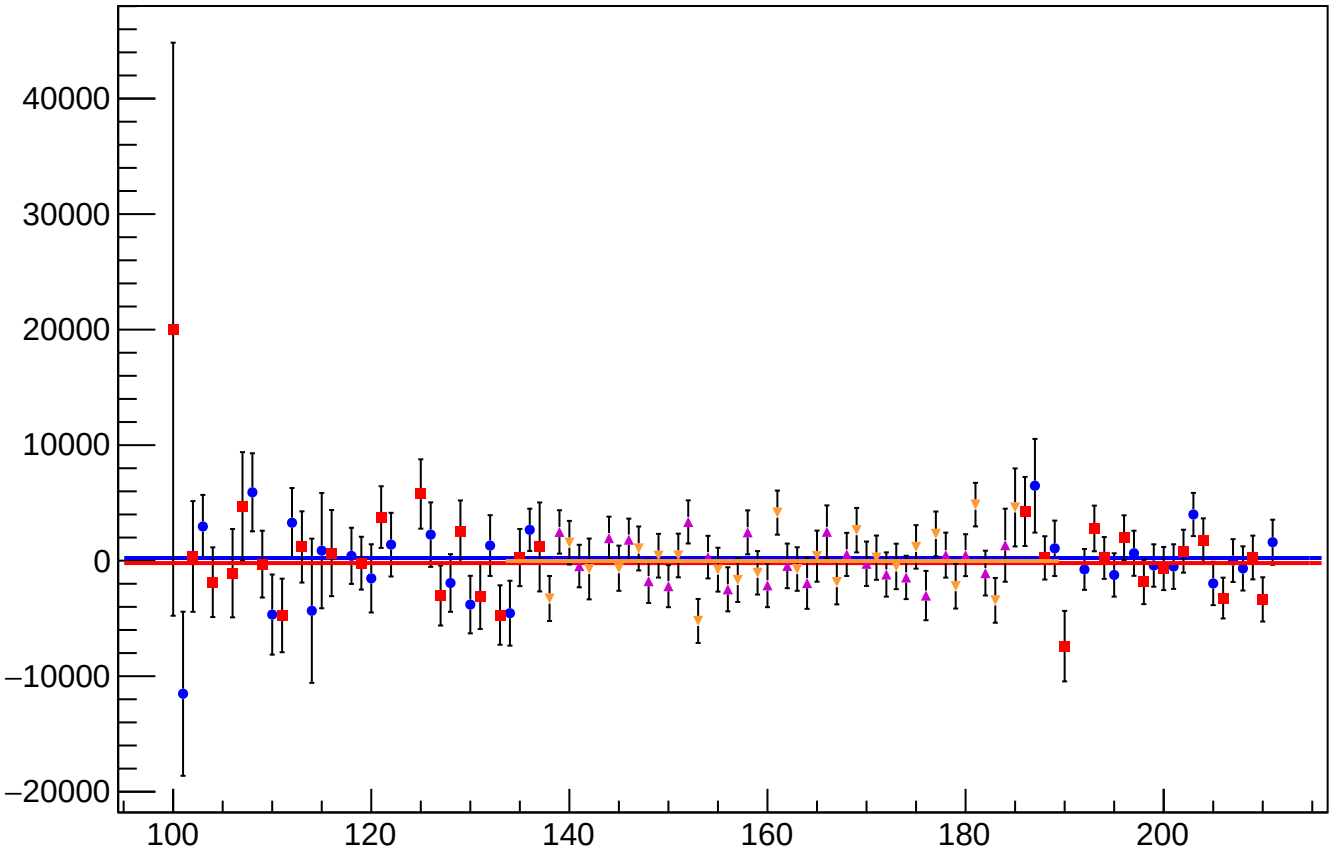
Right Out: 477.339+/-0.099 χ^2/NDF: 10666538.1/30

Left In: 492.294+/-0.097 χ^2/NDF:10419498.8/22

+ sign 411.360+/-0.062 χ^2/NDF: 24611894.9/51

All: 444.269+/-0.046 χ^2/NDF: 46334457.2/10

- sign 484.961+/-0.069 χ^2/NDF: 21097698.1/53



Right In: 230.489+/-447.146 χ^2/NDF: 29.3/27

Left Out: -29.392+/-402.317 χ^2/NDF:35.4/23

Right Out: -209.137+/-437.413 χ^2/NDF: 36.4/30

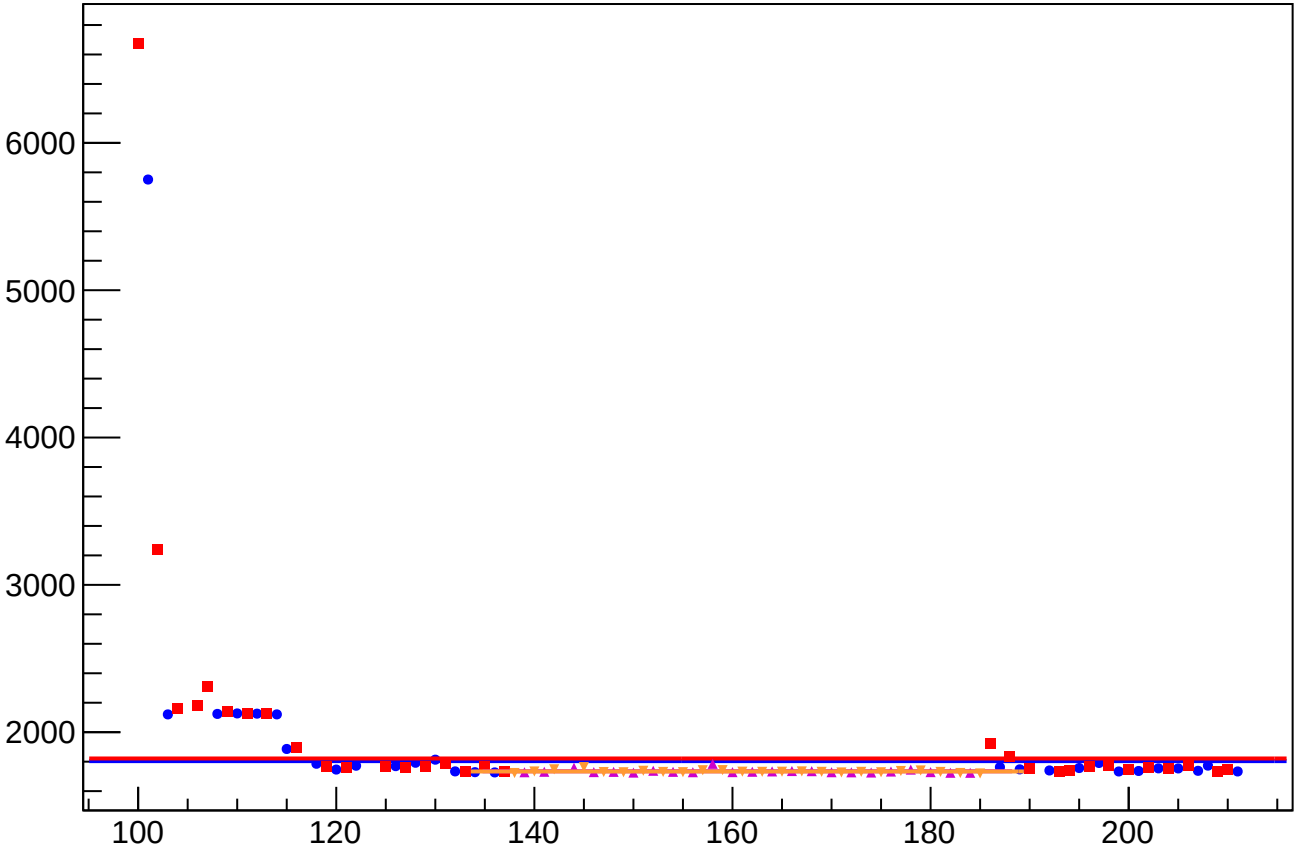
Left In: -42.465+/-405.052 χ^2/NDF:19.9/22

+ sign 86.872+/-299.078 χ^2/NDF: 64.9/51

All: -16.919+/-210.812 χ^2/NDF: 121.5/105

- sign -119.408+/-297.197 χ^2/NDF: 56.3/53

eigen_dit_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1803.659+/-0.316 χ^2/NDF: 735466.5/27

Left Out: 1733.478+/-0.284 χ^2/NDF:901.3/23

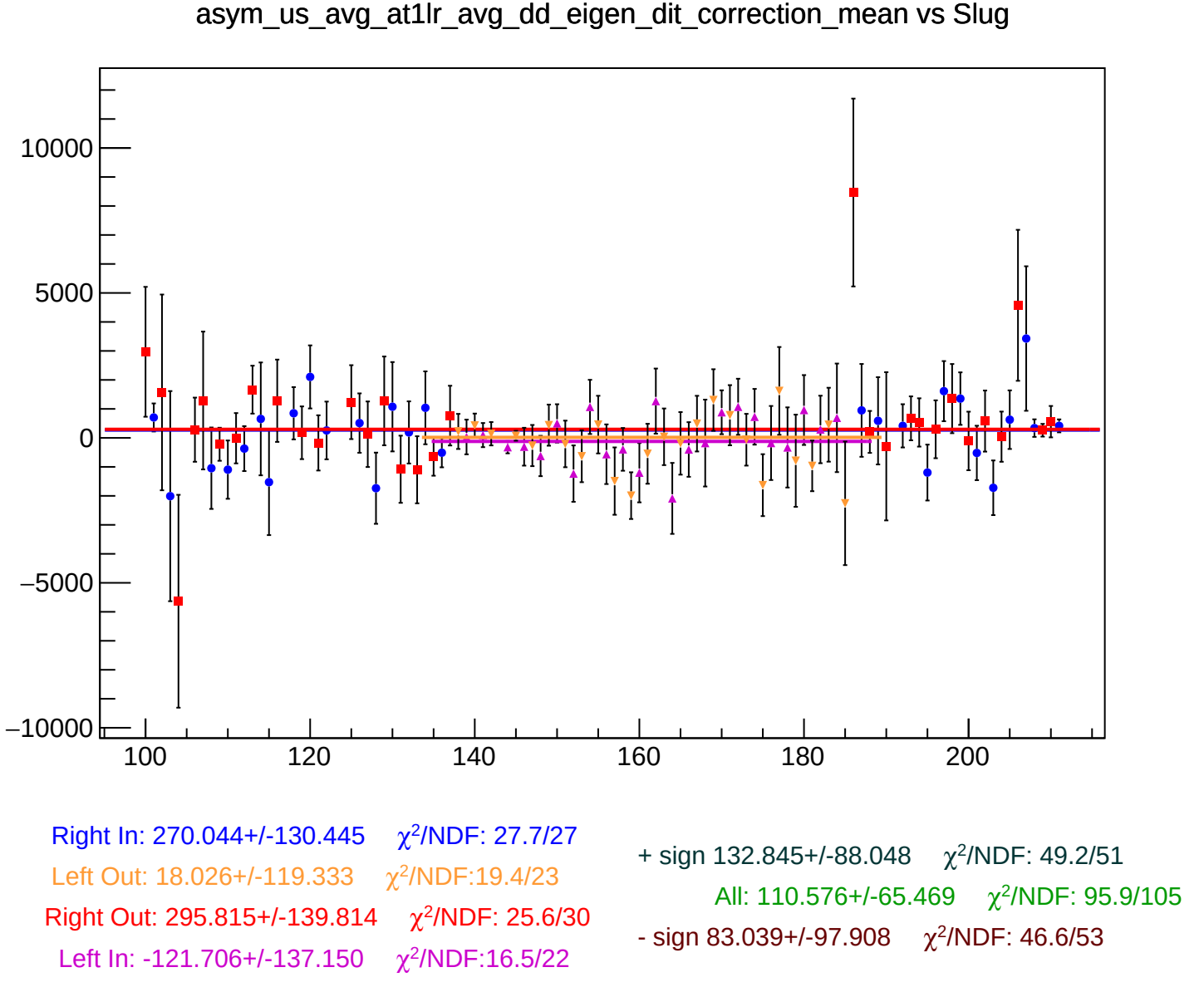
Right Out: 1821.557+/-0.309 χ^2/NDF: 420023.2/30

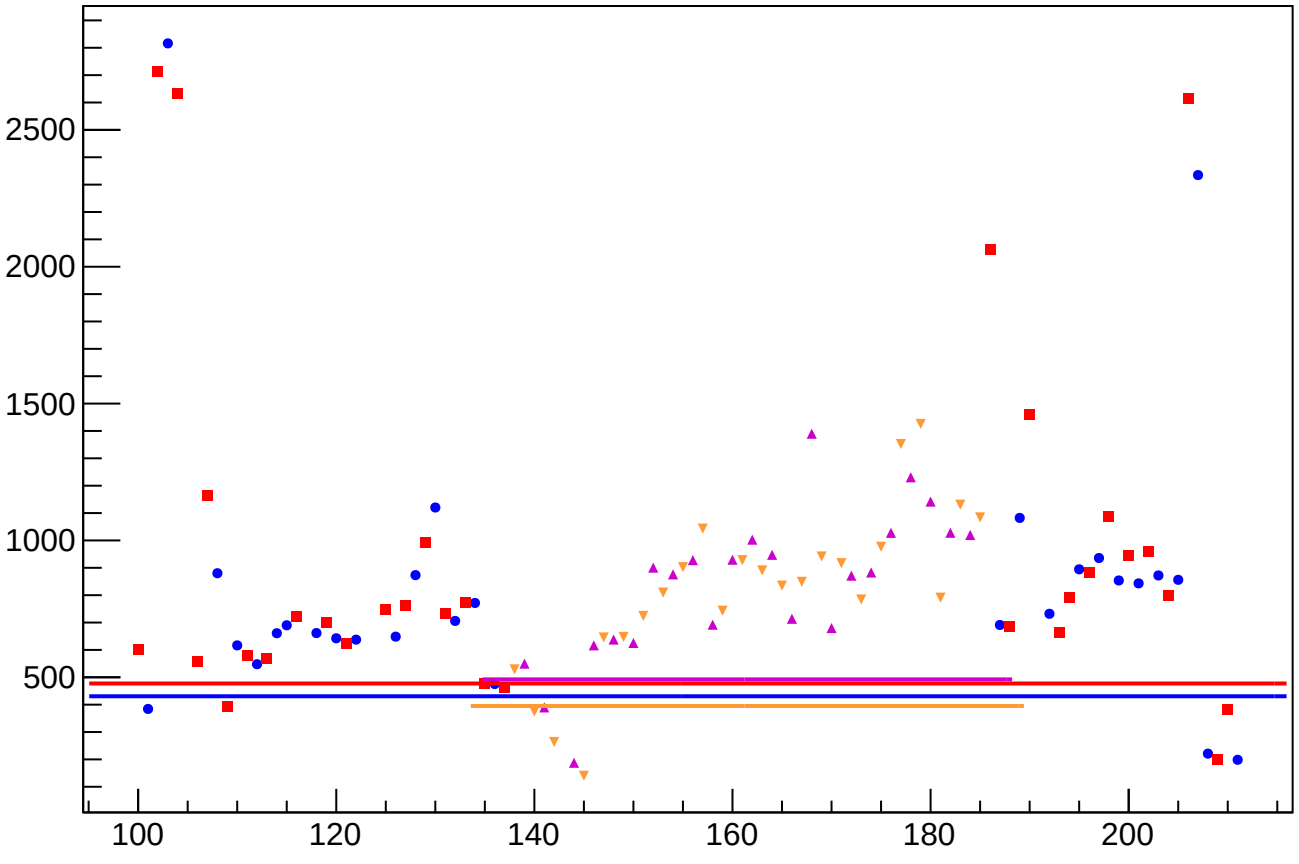
Left In: 1734.810+/-0.286 χ^2/NDF:2175.7/22

+ sign 1764.875+/-0.211 χ^2/NDF: 763594.5/51

All: 1769.897+/-0.149 χ^2/NDF: 1229261.5/10

- sign 1774.856+/-0.210 χ^2/NDF: 464546.2/53


asym_us_avg_at1lr_avg_dd_eigen_dit_correction_mean vs Slug
10000
5000
0
−5000
−10000
100
120
140
160
180
200
Right In: 270.044+/-130.445 χ²/NDF: 27.7/27
Left Out: 18.026+/-119.333 χ²/NDF:19.4/23
Right Out: 295.815+/-139.814 χ²/NDF: 25.6/30
Left In: -121.706+/-137.150 χ²/NDF:16.5/22
+ sign 132.845+/-88.048 χ²/NDF: 49.2/51
All: 110.576+/-65.469 χ²/NDF: 95.9/105
- sign 83.039+/-97.908 χ²/NDF: 46.6/53



Right In: 430.684+/-0.092 χ^2/NDF: 10196791.2/27

Left Out: 395.188+/-0.084 χ^2/NDF:14334464.6/23

Right Out: 477.335+/-0.099 χ^2/NDF: 10666644.9/30

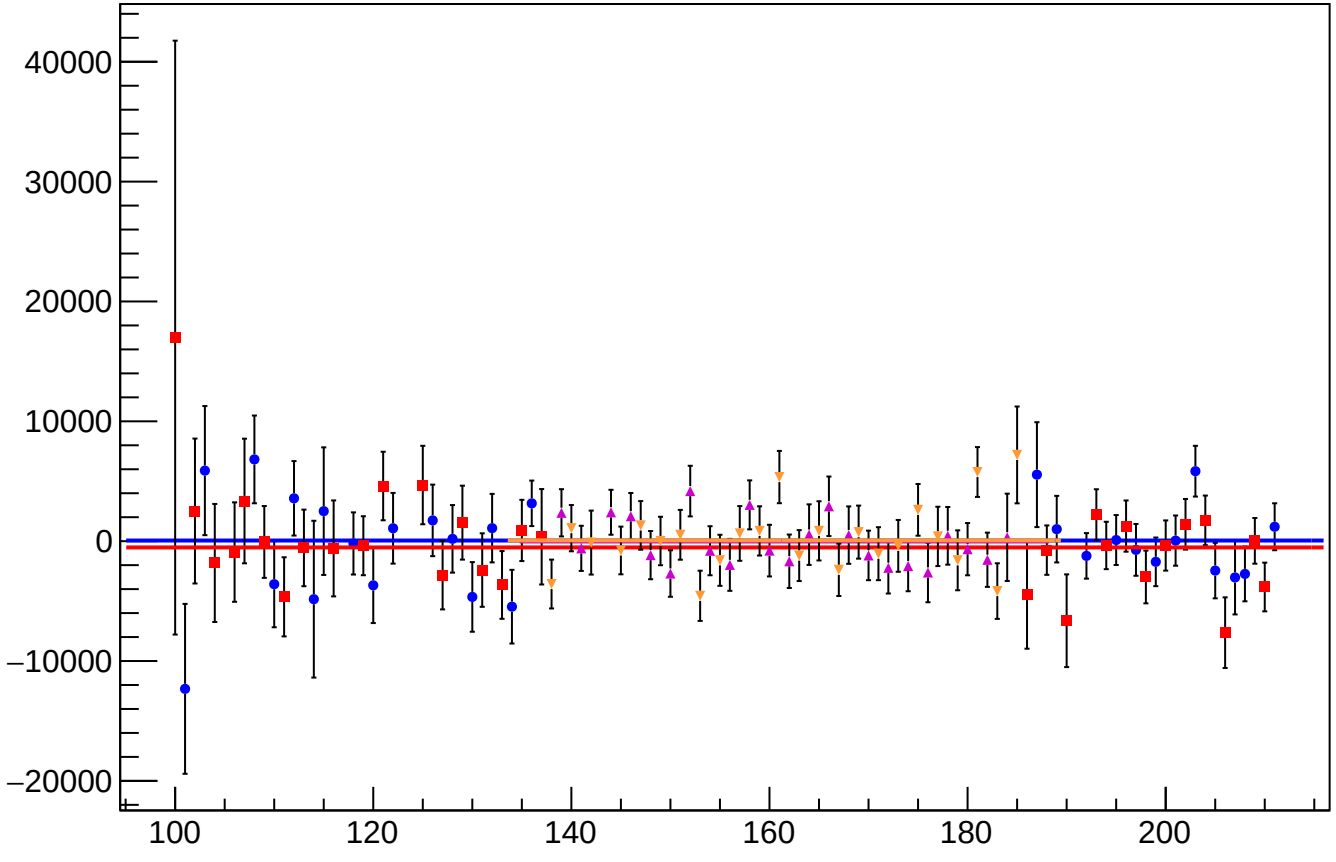
Left In: 492.295+/-0.097 χ^2/NDF:10419523.2/22

+ sign 411.360+/-0.062 χ^2/NDF: 24611878.4/51

All: 444.268+/-0.046 χ^2/NDF: 46334538.8/10

- sign 484.959+/-0.069 χ^2/NDF: 21097837.6/53

asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: 53.936+/-503.942 χ^2/NDF: 35.7/27

Left Out: 66.661+/-449.750 χ^2/NDF:33.6/23

Right Out: -521.741+/-490.203 χ^2/NDF: 29.3/30

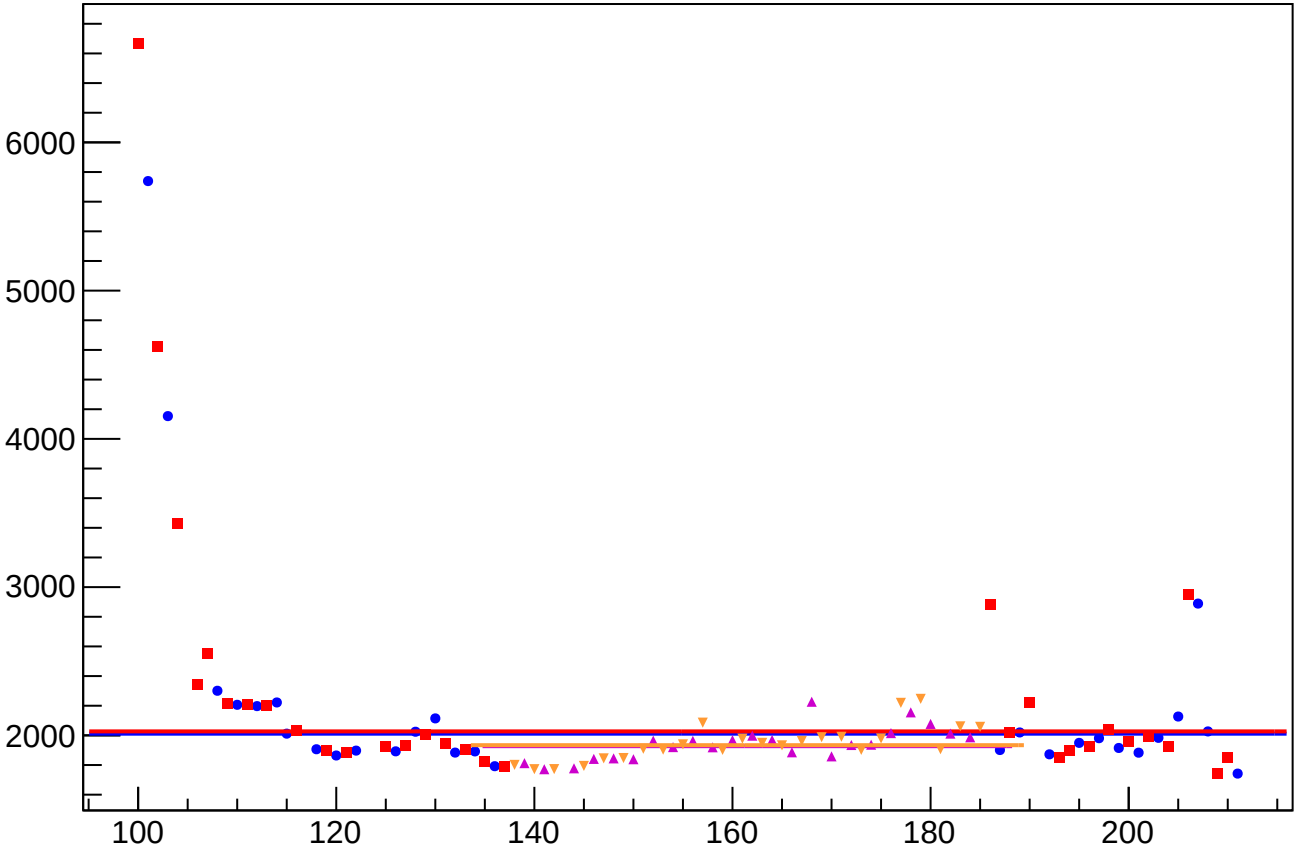
Left In: -25.575+/-450.755 χ^2/NDF:20.0/22

+ sign 61.019+/-335.551 χ^2/NDF: 69.3/51

All: -97.700+/-235.934 χ^2/NDF: 119.6/105

- sign -252.893+/-331.802 χ^2/NDF: 49.8/53

asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 2011.481+/-0.356 χ^2/NDF: 1178523.5/27

Left Out: 1933.804+/-0.318 χ^2/NDF:128531.8/23

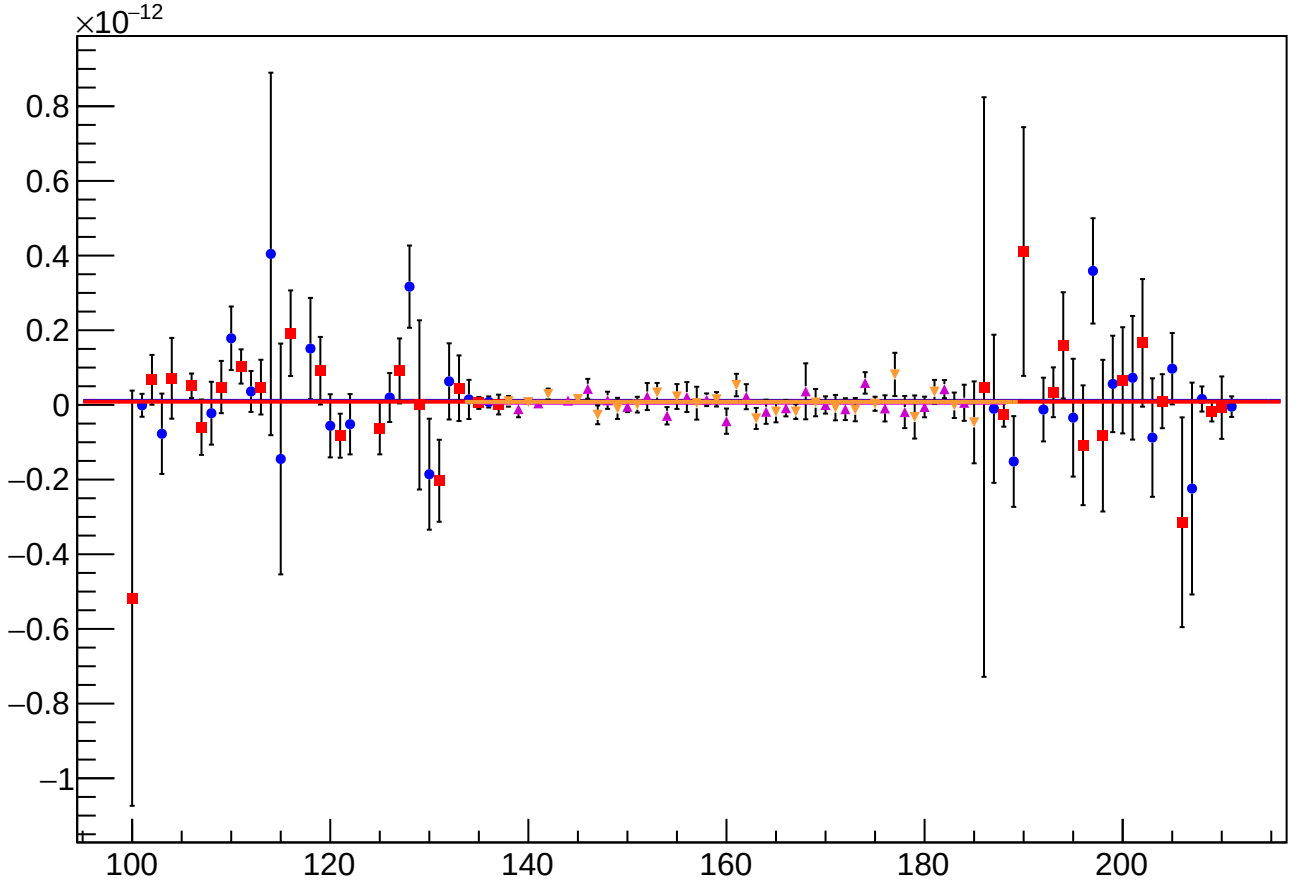
Right Out: 2026.902+/-0.347 χ^2/NDF: 1061190.7/30

Left In: 1927.125+/-0.319 χ^2/NDF:116436.1/22

+ sign 1968.243+/-0.237 χ^2/NDF: 1333505.3/51

All: 1970.566+/-0.167 χ^2/NDF: 2556218.7/10

- sign 1972.838+/-0.235 χ^2/NDF: 1222523.8/53



Right In: 0.000+/-0.000 χ^2/NDF: 28.6/27

Left Out: 0.000+/-0.000 χ^2/NDF:17.3/23

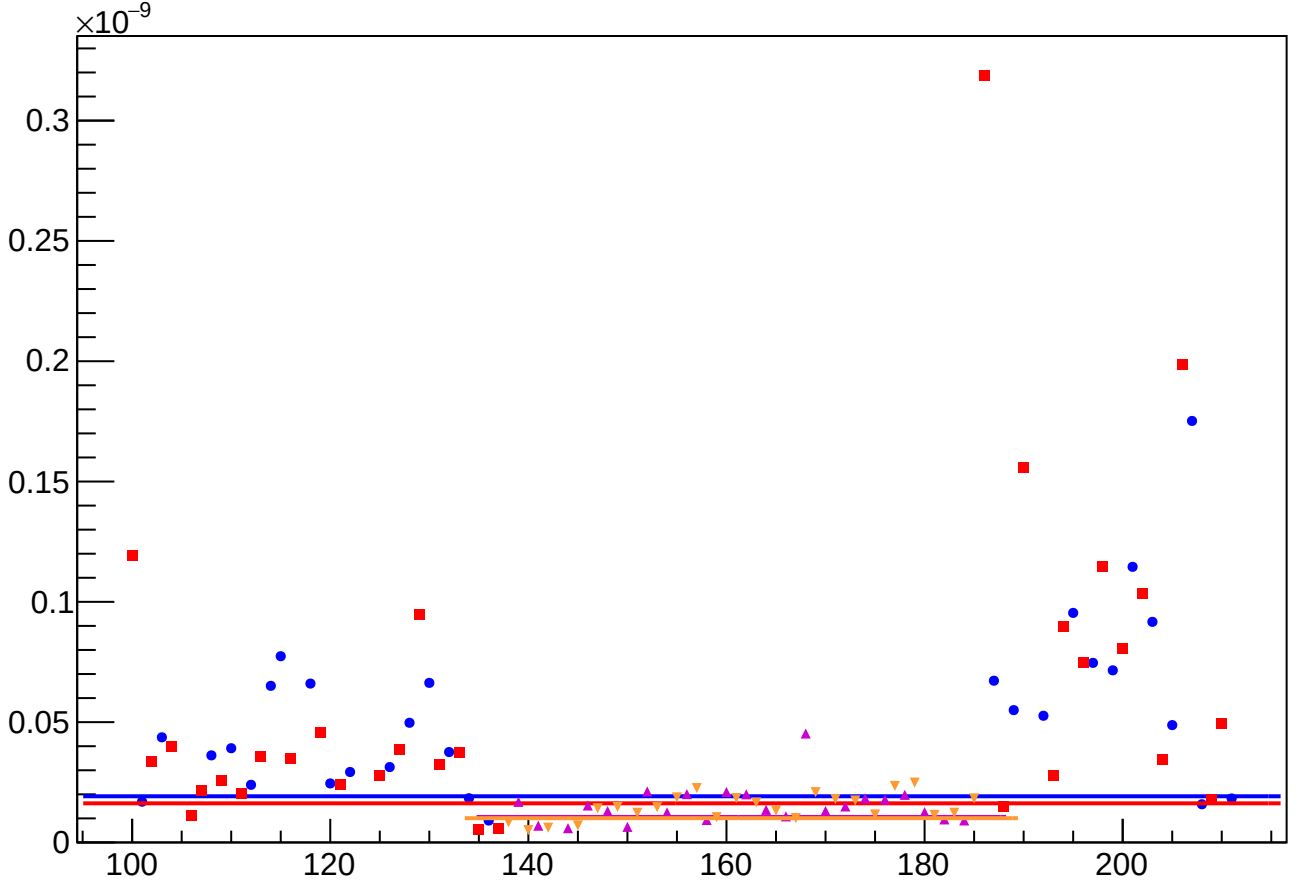
Right Out: 0.000+/-0.000 χ^2/NDF: 29.2/30

Left In: 0.000+/-0.000 χ^2/NDF:16.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 46.0/51

All: 0.000+/-0.000 χ^2/NDF: 92.1/105

- sign 0.000+/-0.000 χ^2/NDF: 46.0/53



Right In: 0.000+/-0.000 χ^2/NDF: 5697887.8/27

Left Out: 0.000+/-0.000 χ^2/NDF:2274817.9/23

Right Out: 0.000+/-0.000 χ^2/NDF: 6901692.9/30

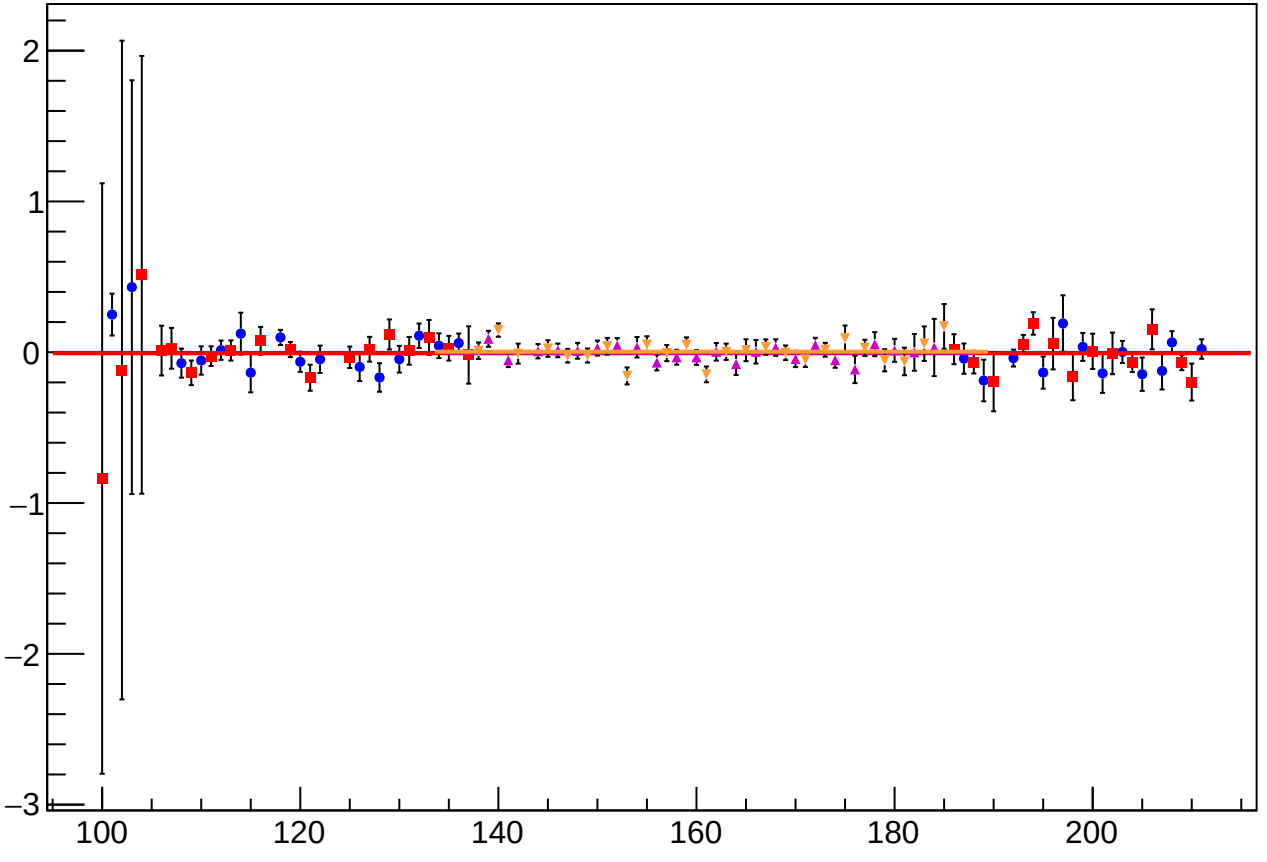
Left In: 0.000+/-0.000 χ^2/NDF:2578668.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 9392882.6/51

All: 0.000+/-0.000 χ^2/NDF: 19492078.8/105

- sign 0.000+/-0.000 χ^2/NDF: 10098213.4/53

asym_us_avg_at1lr_avg_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.004+/-0.016 χ^2/NDF: 28.7/27

Left Out: 0.004+/-0.012 χ^2/NDF:35.0/23

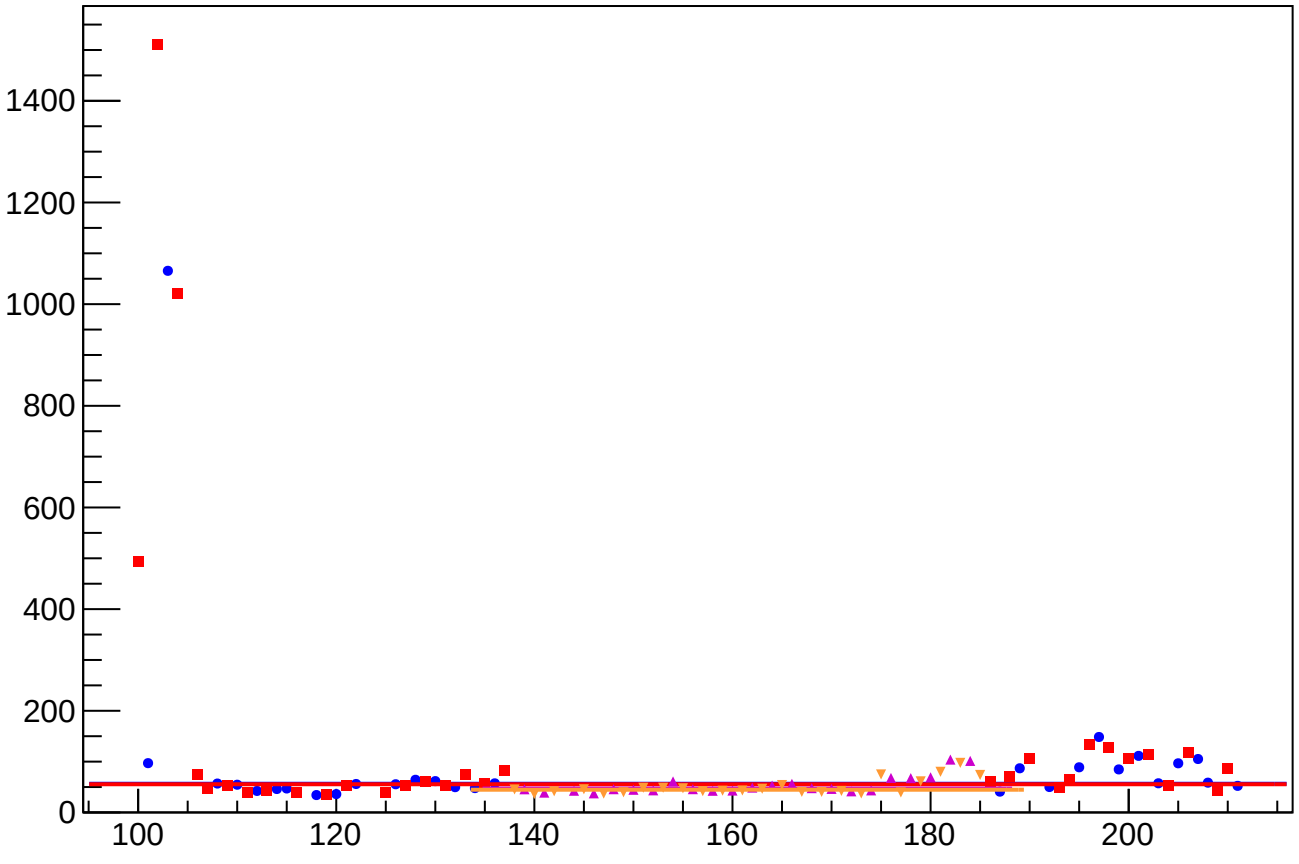
Right Out: -0.007+/-0.016 χ^2/NDF: 27.5/30

Left In: -0.003+/-0.012 χ^2/NDF:14.5/22

+ sign 0.001+/-0.009 χ^2/NDF: 63.9/51

All: -0.002+/-0.007 χ^2/NDF: 106.1/105

- sign -0.004+/-0.010 χ^2/NDF: 42.1/53



Right In: 56.442+/-0.011 χ^2/NDF: 3983248.4/27

Left Out: 44.733+/-0.008 χ^2/NDF:1481436.4/23

Right Out: 55.498+/-0.011 χ^2/NDF: 5207764.2/30

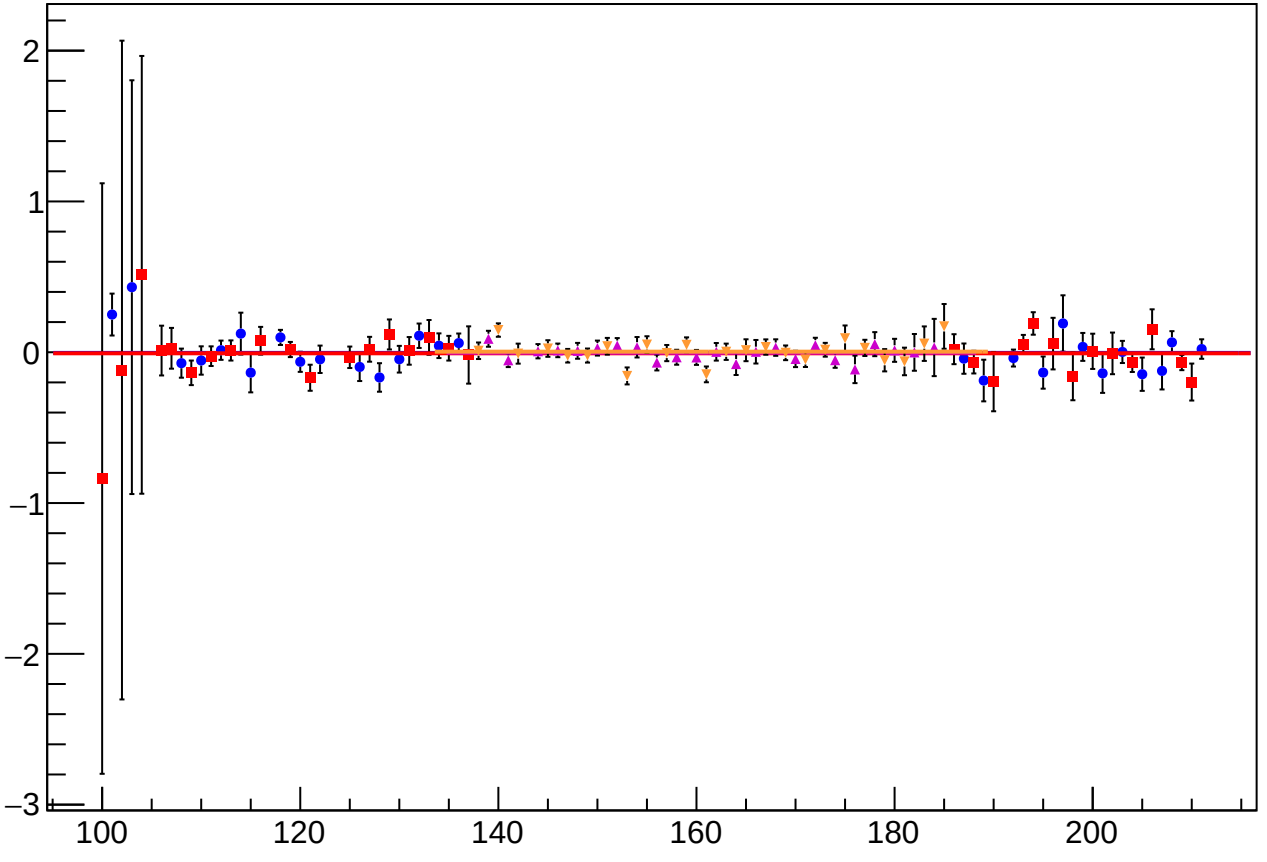
Left In: 47.033+/-0.008 χ^2/NDF:1383050.4/22

+ sign 48.647+/-0.007 χ^2/NDF: 6157051.0/51

All: 49.337+/-0.005 χ^2/NDF: 13128683.2/105

- sign 50.054+/-0.007 χ^2/NDF: 6949609.9/53

asym_us_avg_at1lr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.004+/-0.016 χ^2/NDF: 28.7/27

Left Out: 0.004+/-0.012 χ^2/NDF:35.0/23

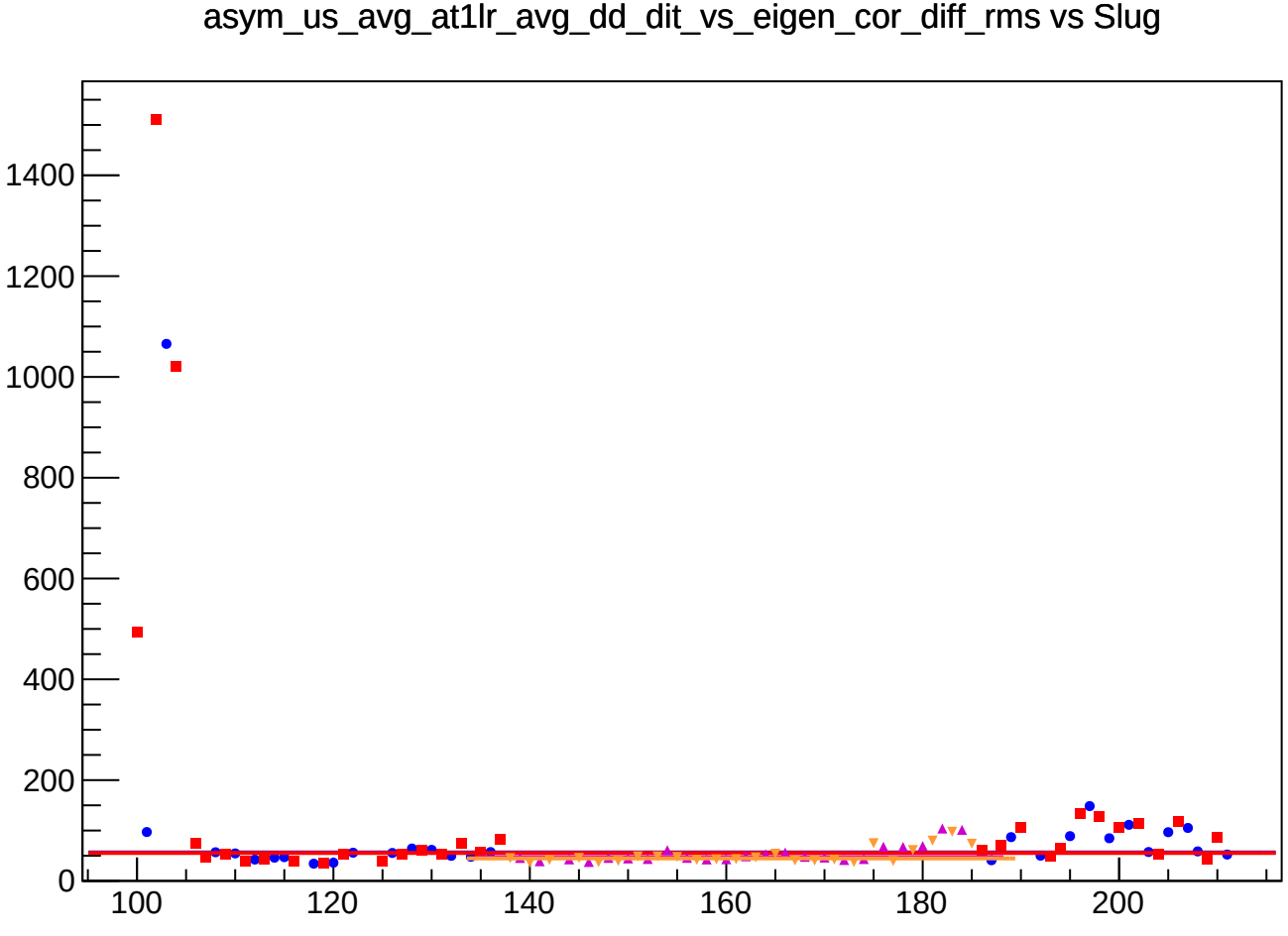
Right Out: -0.007+/-0.016 χ^2/NDF: 27.5/30

Left In: -0.003+/-0.012 χ^2/NDF:14.5/22

+ sign 0.001+/-0.009 χ^2/NDF: 63.9/51

All: -0.002+/-0.007 χ^2/NDF: 106.1/105

- sign -0.004+/-0.010 χ^2/NDF: 42.1/53



Right In: 56.442+/-0.011 χ^2/NDF: 3983248.4/27

Left Out: 44.733+/-0.008 χ^2/NDF:1481436.4/23

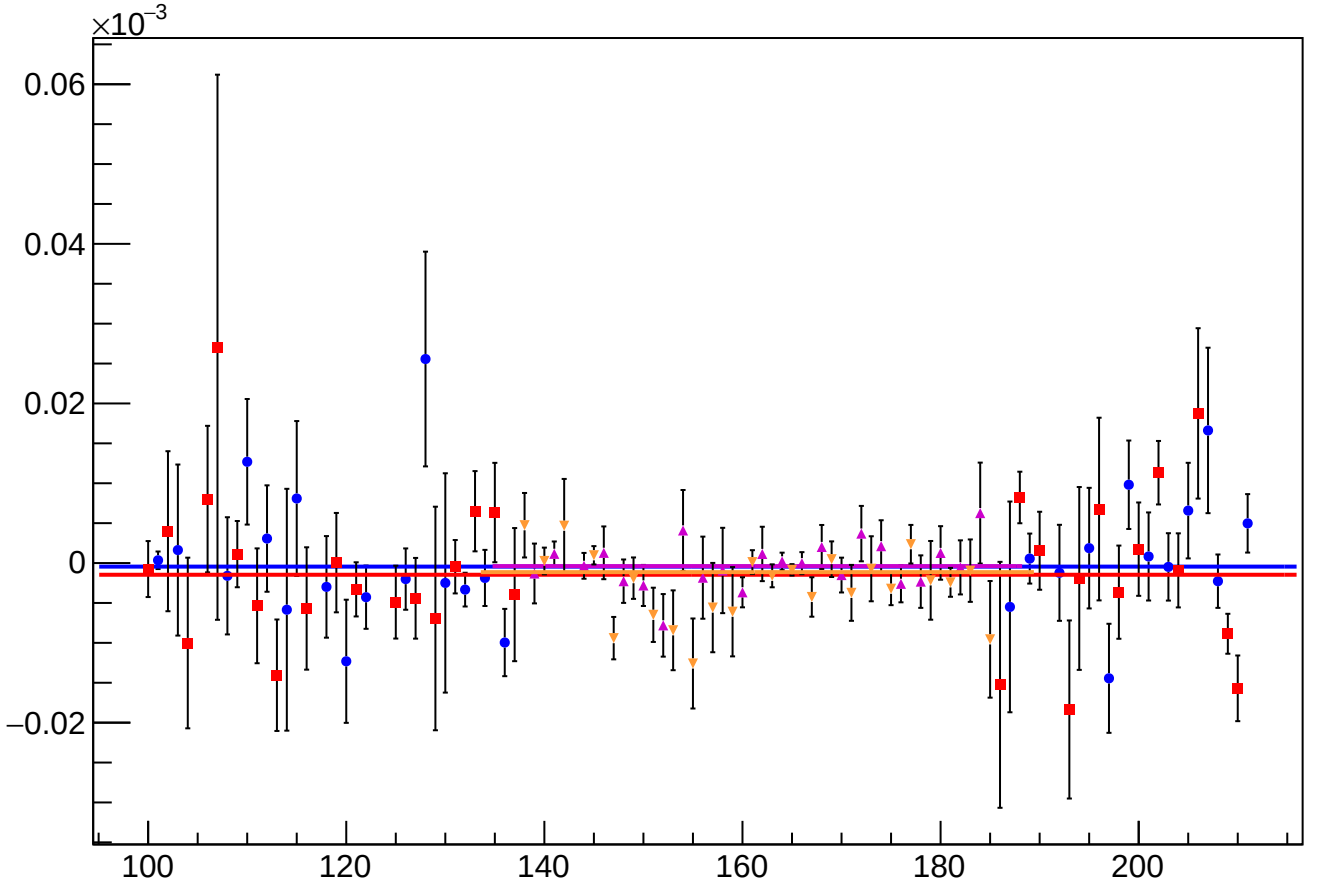
Right Out: 55.498+/-0.011 χ^2/NDF: 5207764.2/30

Left In: 47.033+/-0.008 χ^2/NDF:1383050.4/22

+ sign 48.647+/-0.007 χ^2/NDF: 6157051.0/51

All: 49.337+/-0.005 χ^2/NDF: 13128683.2/105

- sign 50.054+/-0.007 χ^2/NDF: 6949609.9/53



Right In: -0.000+/-0.000 χ^2/NDF: 33.7/27

Left Out: -0.000+/-0.000 χ^2/NDF:35.7/23

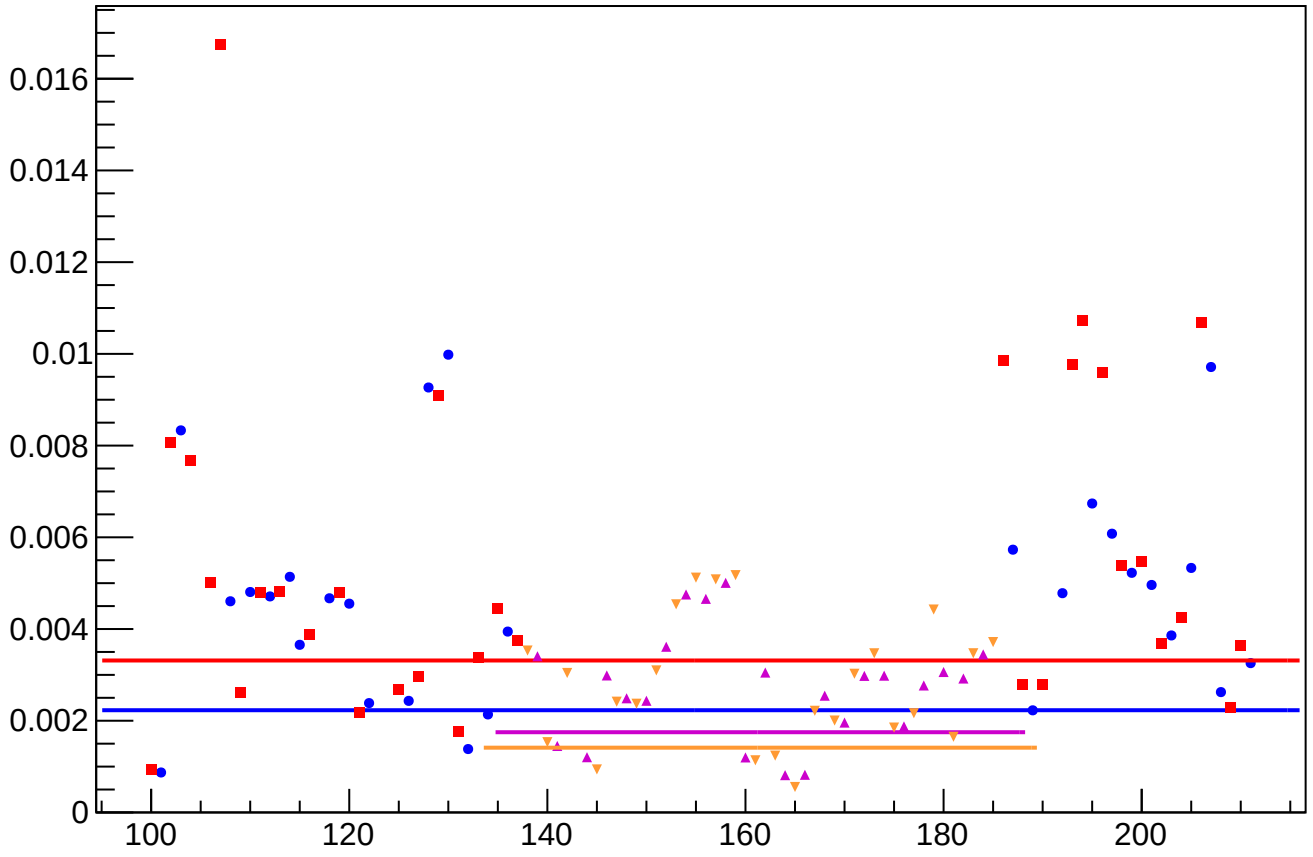
Right Out: -0.000+/-0.000 χ^2/NDF: 60.7/30

Left In: -0.000+/-0.000 χ^2/NDF:16.3/22

+ sign -0.000+/-0.000 χ^2/NDF: 70.1/51

All: -0.000+/-0.000 χ^2/NDF: 148.6/105

- sign -0.000+/-0.000 χ^2/NDF: 78.1/53



Right In: 0.002+/-0.000 χ^2/NDF: 11821848.7/27

Left Out: 0.001+/-0.000 χ^2/NDF:11586658.8/23

Right Out: 0.003+/-0.000 χ^2/NDF: 8006374.6/30

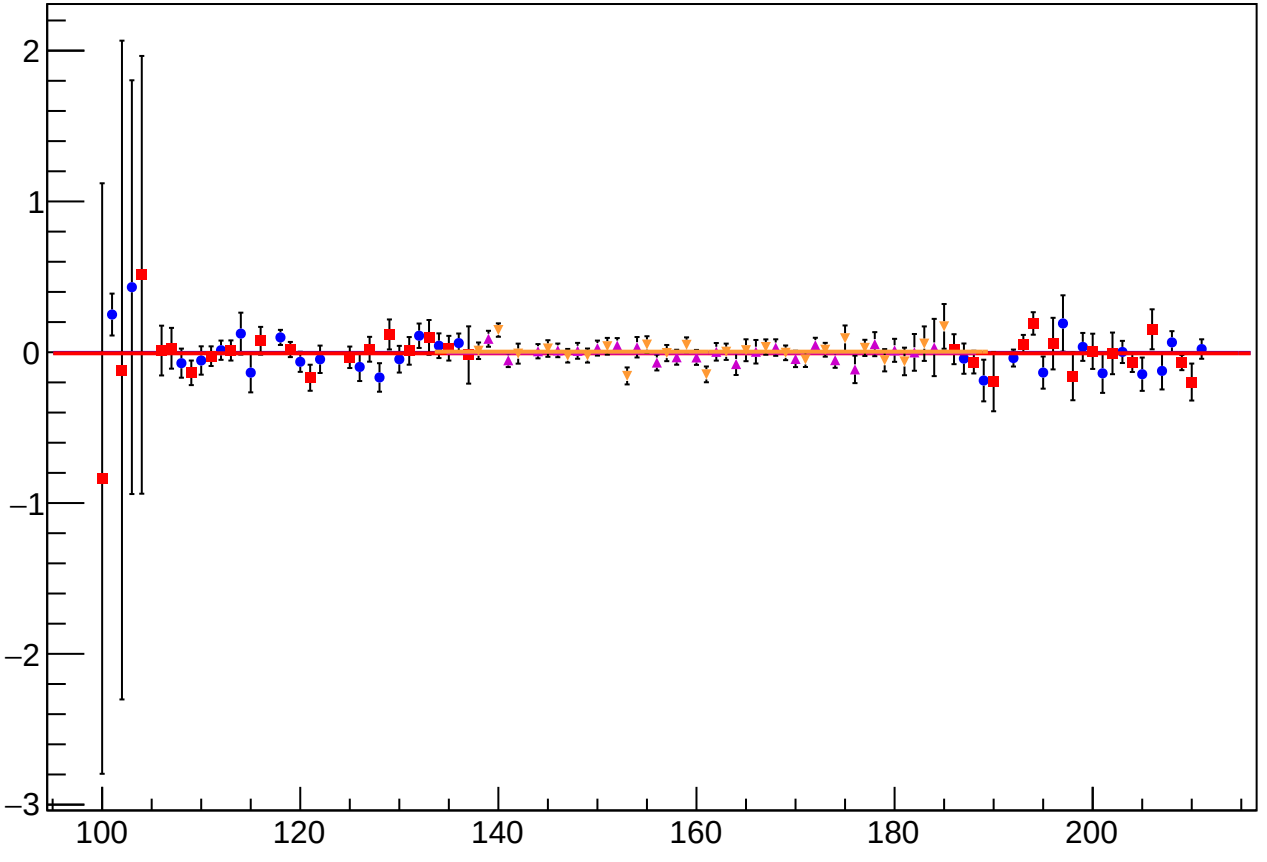
Left In: 0.002+/-0.000 χ^2/NDF:8238945.3/22

+ sign 0.002+/-0.000 χ^2/NDF: 25367577.1/51

All: 0.002+/-0.000 χ^2/NDF: 47505389.7/105

- sign 0.002+/-0.000 χ^2/NDF: 20689062.1/53

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.004+/-0.016 χ^2/NDF: 28.7/27

Left Out: 0.004+/-0.012 χ^2/NDF:35.0/23

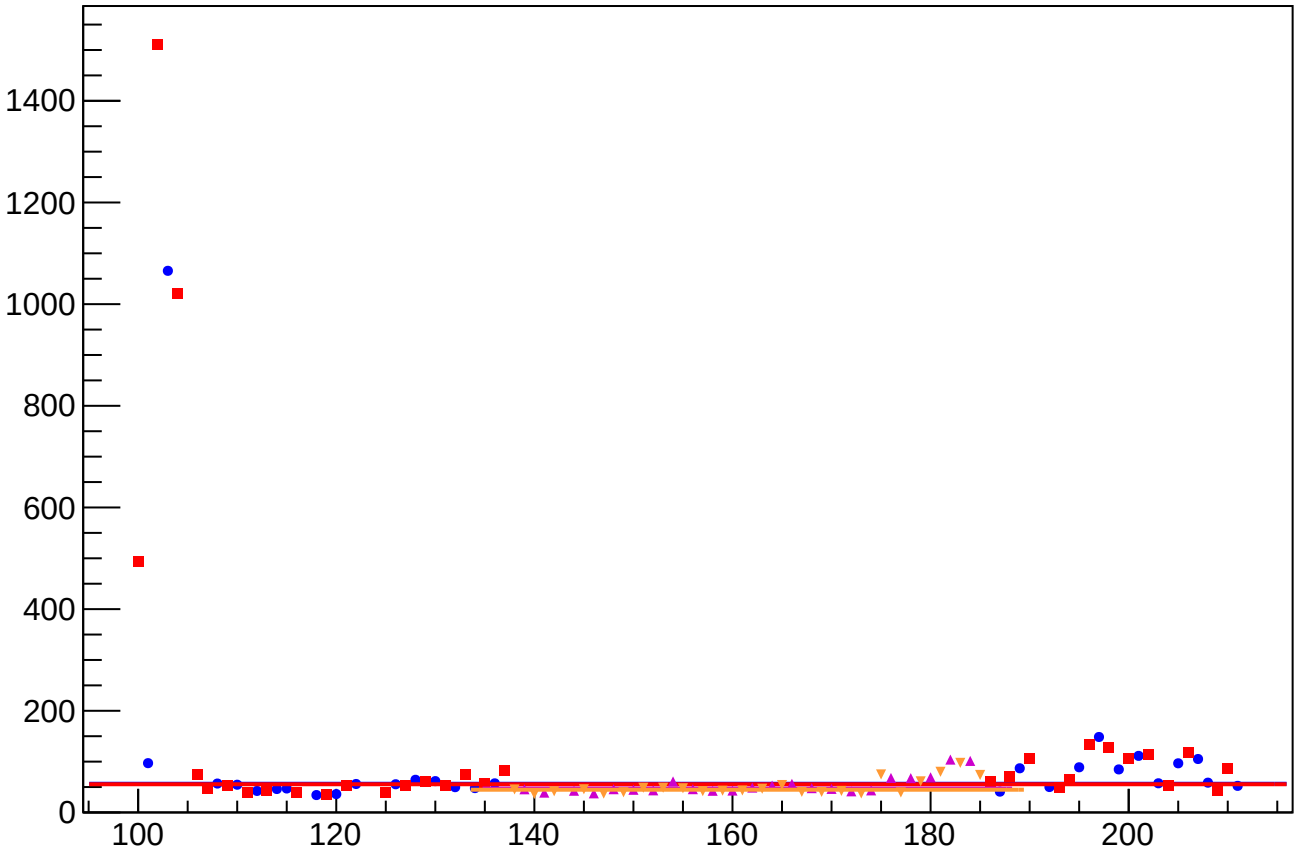
Right Out: -0.007+/-0.016 χ^2/NDF: 27.5/30

Left In: -0.003+/-0.012 χ^2/NDF:14.5/22

+ sign 0.001+/-0.009 χ^2/NDF: 63.9/51

All: -0.002+/-0.007 χ^2/NDF: 106.1/105

- sign -0.004+/-0.010 χ^2/NDF: 42.1/53



Right In: 56.442+/-0.011 χ^2/NDF: 3983302.6/27

Left Out: 44.733+/-0.008 χ^2/NDF:1481436.0/23

Right Out: 55.497+/-0.011 χ^2/NDF: 5207945.5/30

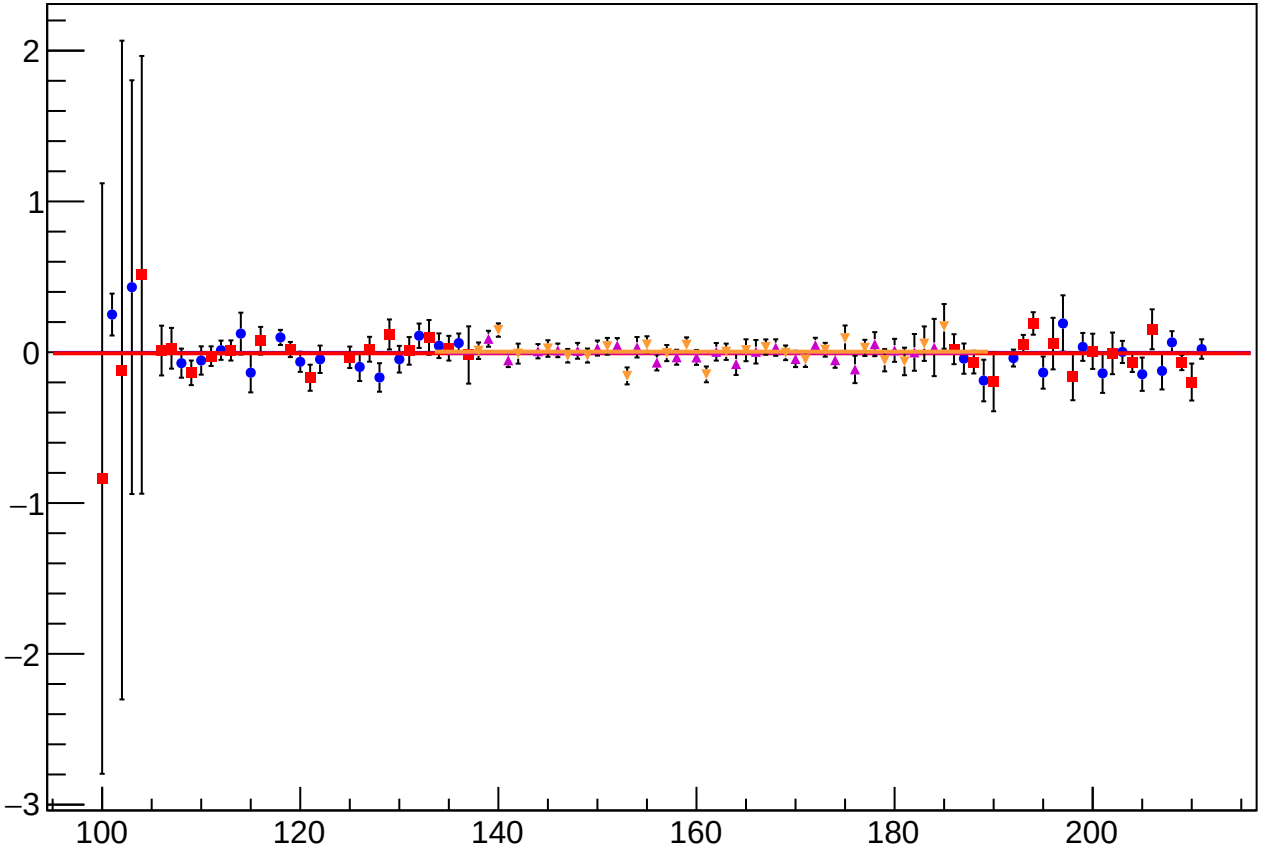
Left In: 47.033+/-0.008 χ^2/NDF:1383121.1/22

+ sign 48.647+/-0.007 χ^2/NDF: 6157035.2/51

All: 49.337+/-0.005 χ^2/NDF: 13128851.4/105

- sign 50.054+/-0.007 χ^2/NDF: 6949808.0/53

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.004+/-0.016 χ^2/NDF: 28.7/27

Left Out: 0.004+/-0.012 χ^2/NDF:35.0/23

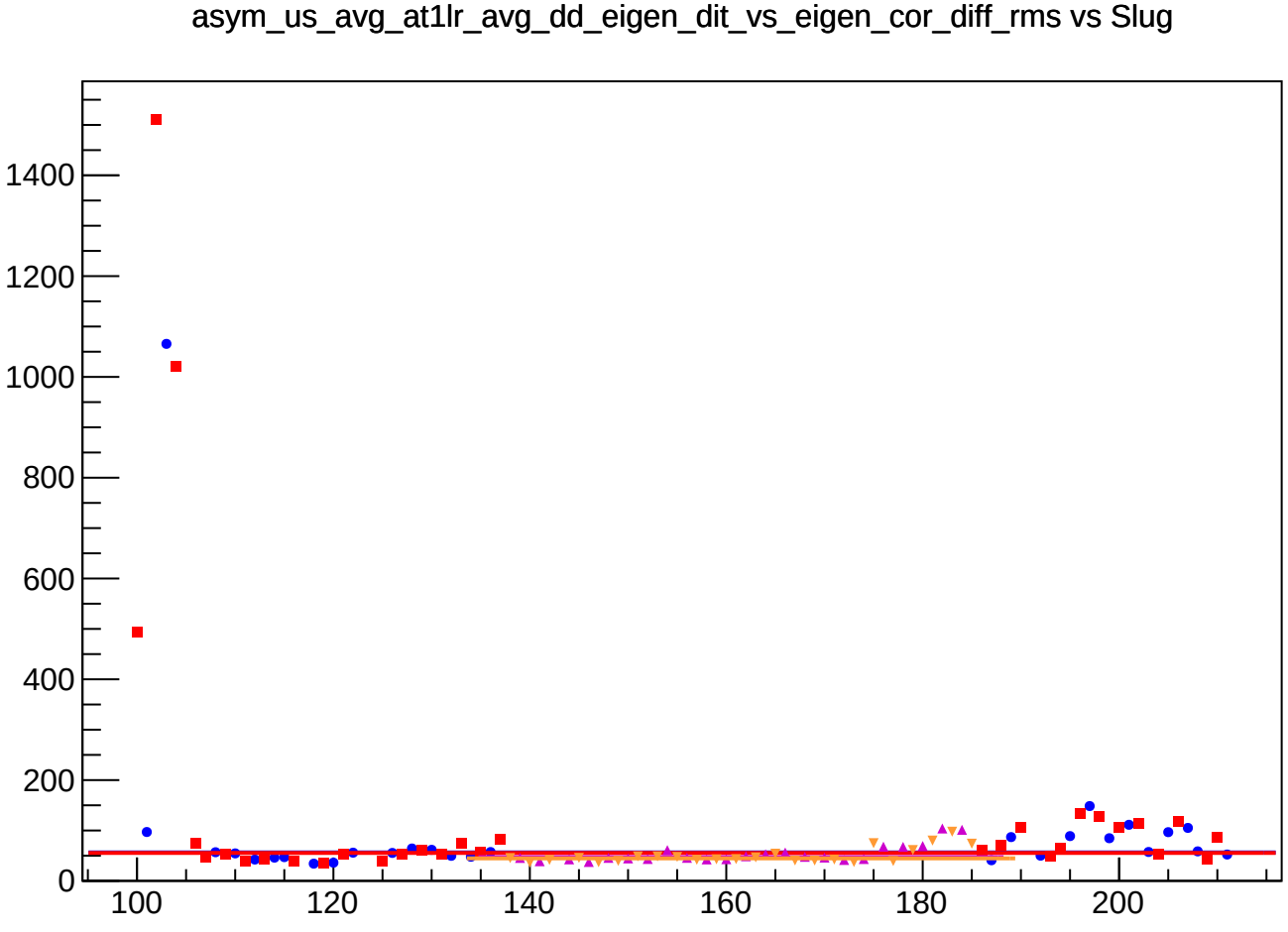
Right Out: -0.007+/-0.016 χ^2/NDF: 27.5/30

Left In: -0.003+/-0.012 χ^2/NDF:14.5/22

+ sign 0.001+/-0.009 χ^2/NDF: 63.9/51

All: -0.002+/-0.007 χ^2/NDF: 106.1/105

- sign -0.004+/-0.010 χ^2/NDF: 42.1/53



Right In: 56.442+/-0.011 χ^2/NDF: 3983302.6/27

Left Out: 44.733+/-0.008 χ^2/NDF:1481436.0/23

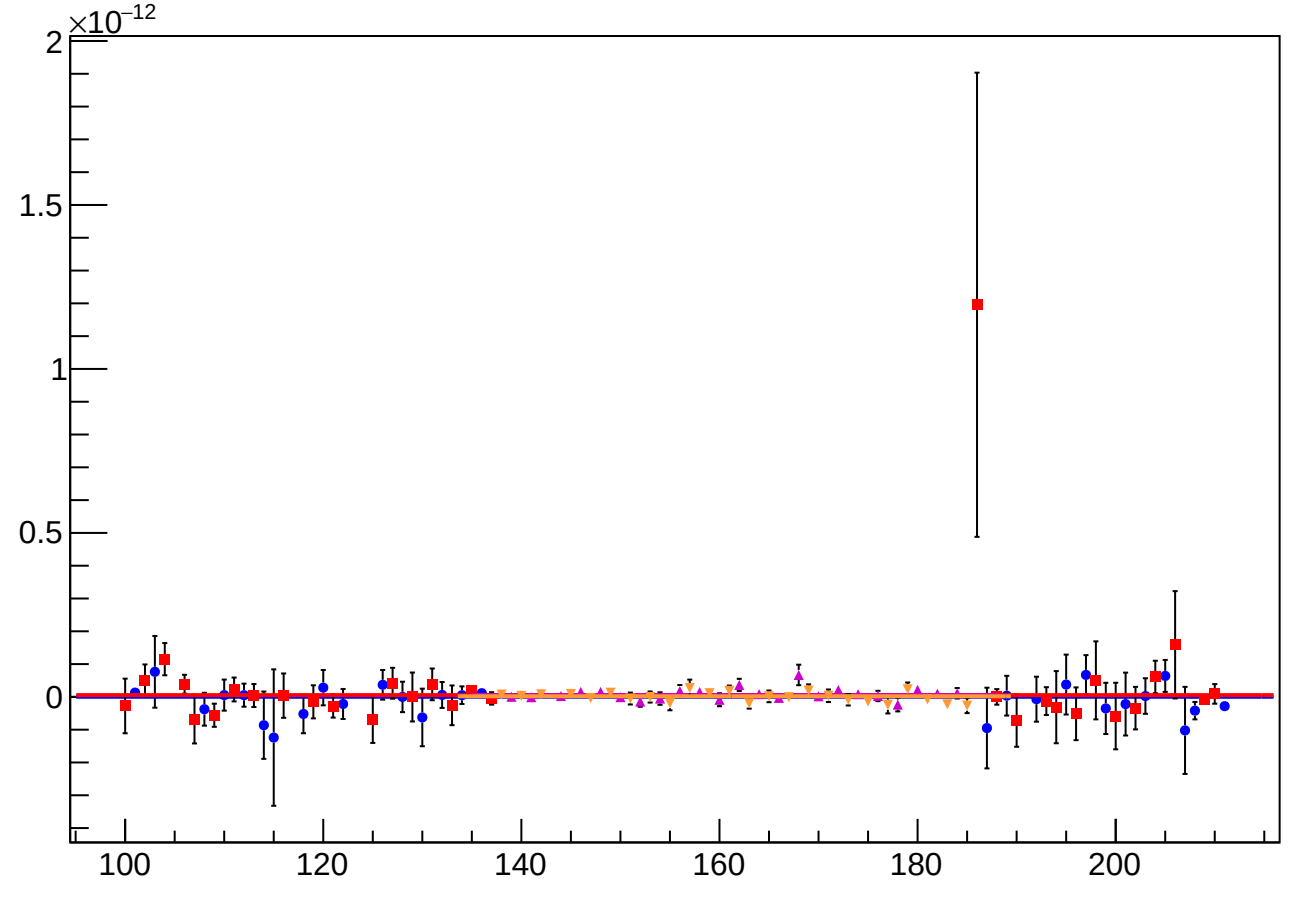
Right Out: 55.497+/-0.011 χ^2/NDF: 5207945.5/30

Left In: 47.033+/-0.008 χ^2/NDF:1383121.1/22

+ sign 48.647+/-0.007 χ^2/NDF: 6157035.2/51

All: 49.337+/-0.005 χ^2/NDF: 13128851.4/105

- sign 50.054+/-0.007 χ^2/NDF: 6949808.0/53



Right In: 0.000+/-0.000 χ^2/NDF: 18.1/27

Left Out: 0.000+/-0.000 χ^2/NDF:20.6/23

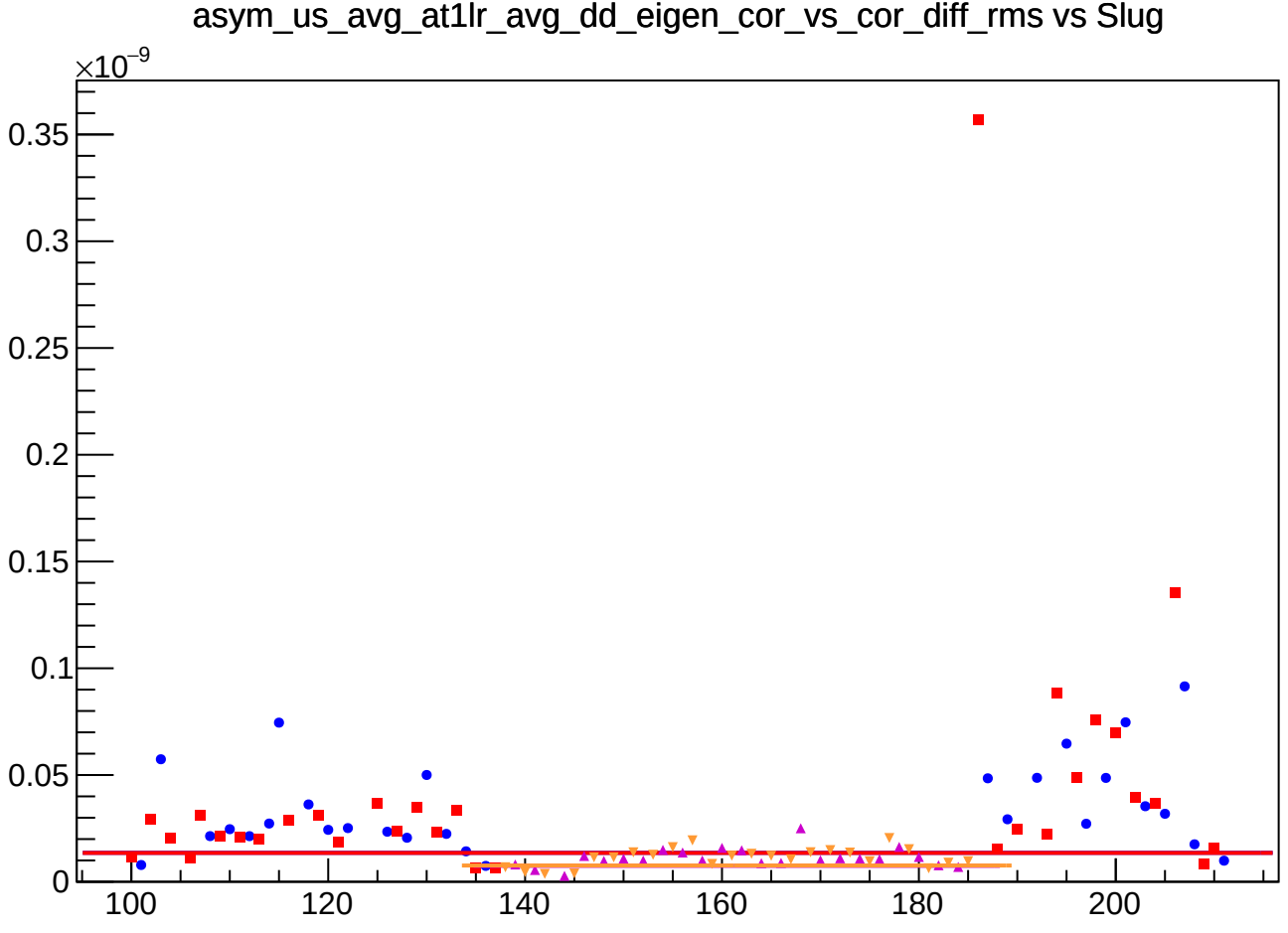
Right Out: 0.000+/-0.000 χ^2/NDF: 25.5/30

Left In: 0.000+/-0.000 χ^2/NDF:17.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 38.8/51

All: 0.000+/-0.000 χ^2/NDF: 83.5/105

- sign 0.000+/-0.000 χ^2/NDF: 43.4/53



Right In: 0.000+/-0.000 χ^2/NDF: 7309459.9/27

Left Out: 0.000+/-0.000 χ^2/NDF:5568430.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 8298362.1/30

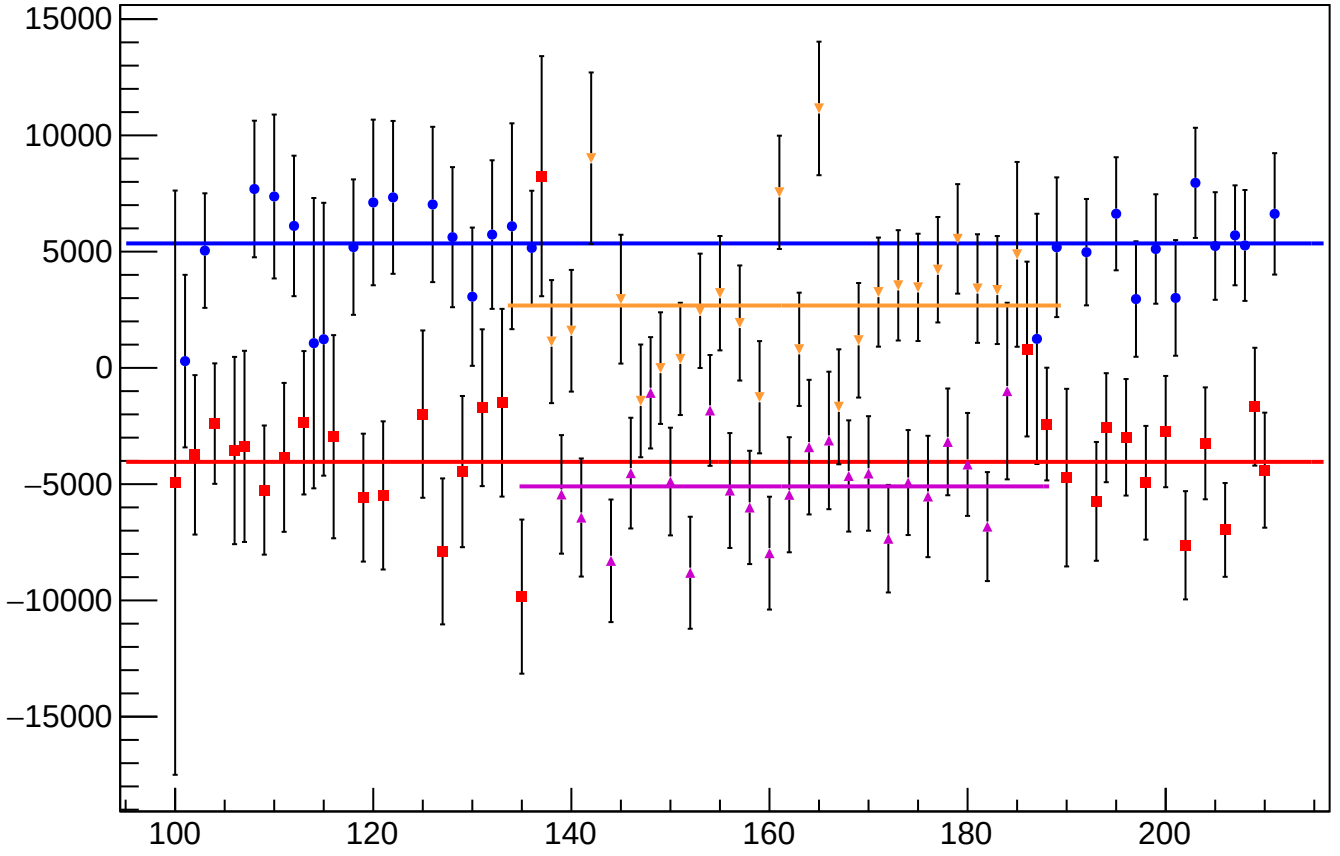
Left In: 0.000+/-0.000 χ^2/NDF:5978033.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 14740642.3/51

All: 0.000+/-0.000 χ^2/NDF: 30965652.6/105

- sign 0.000+/-0.000 χ^2/NDF: 16220490.7/53

reg_asym_us_avg_at2lr_avg_avg_mean vs Slug



Right In: 5352.795+/-540.052 χ^2/NDF: 9.6/27

Left Out: 2682.870+/-512.020 χ^2/NDF:30.8/23

Right Out: -4041.477+/-527.349 χ^2/NDF: 22.1/30

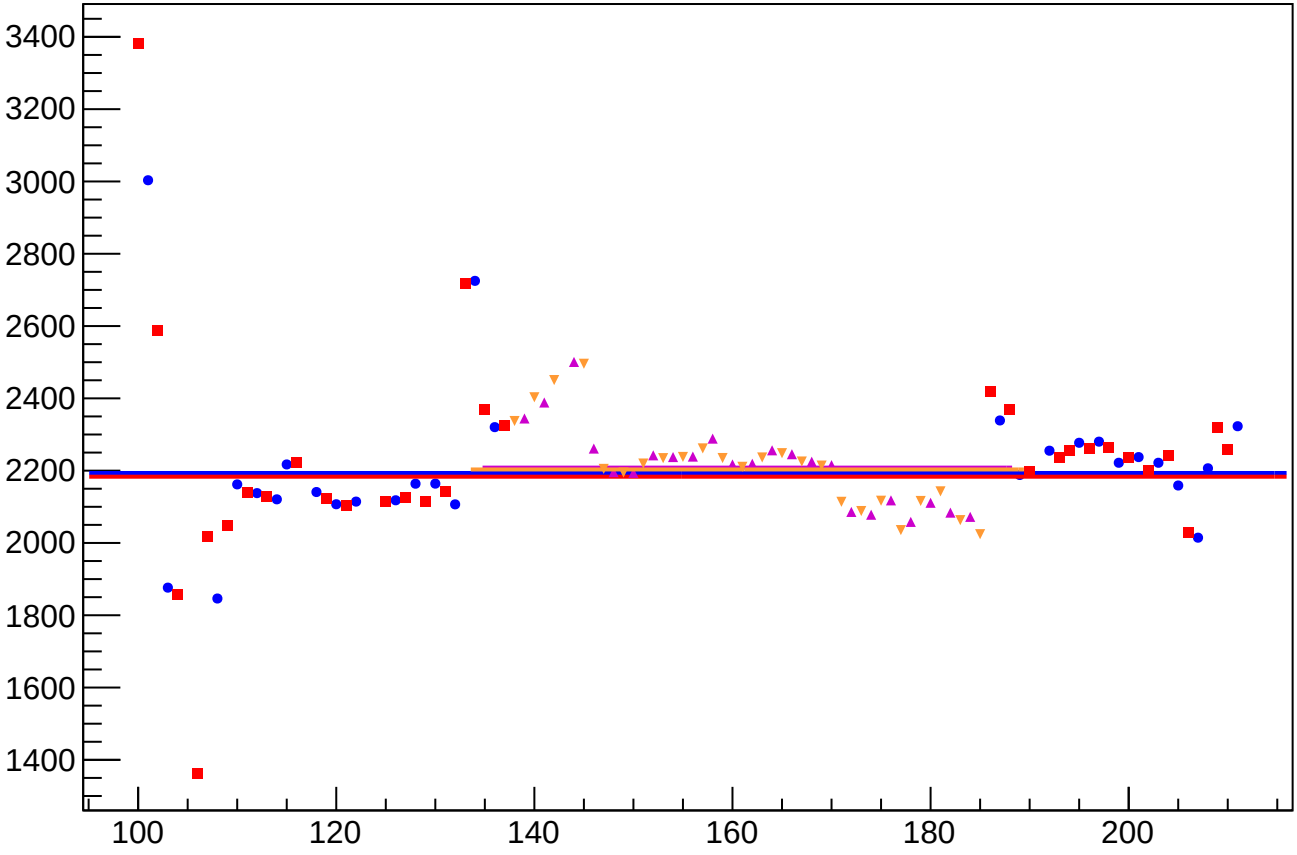
Left In: -5096.427+/-516.232 χ^2/NDF:14.9/22

+ sign 3946.744+/-371.568 χ^2/NDF: 53.3/51

All: -347.457+/-261.789 χ^2/NDF: 357.5/105

- sign -4580.188+/-368.899 χ^2/NDF: 39.0/53

reg_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2193.560+/-0.382 χ^2/NDF: 225735.0/27

Left Out: 2203.297+/-0.362 χ^2/NDF:88208.3/23

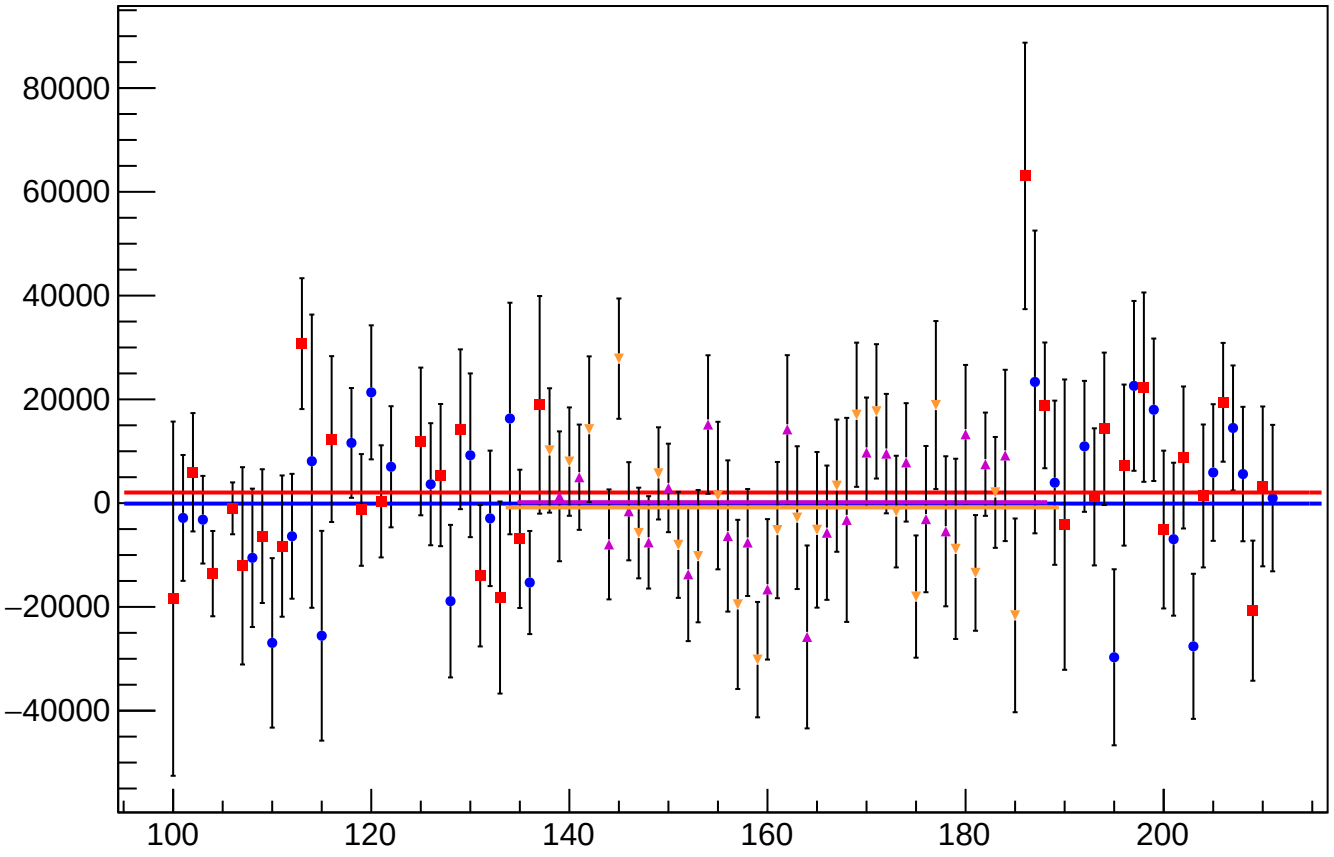
Right Out: 2183.269+/-0.370 χ^2/NDF: 332573.7/30

Left In: 2208.379+/-0.365 χ^2/NDF:80994.3/22

+ sign 2198.688+/-0.263 χ^2/NDF: 314285.7/51

All: 2197.332+/-0.185 χ^2/NDF: 730238.1/105

- sign 2196.005+/-0.260 χ^2/NDF: 415899.7/53



Right In: -87.851+/-2546.291 χ^2/NDF: 28.9/27

Left Out: -833.485+/-2481.469 χ^2/NDF:29.5/23

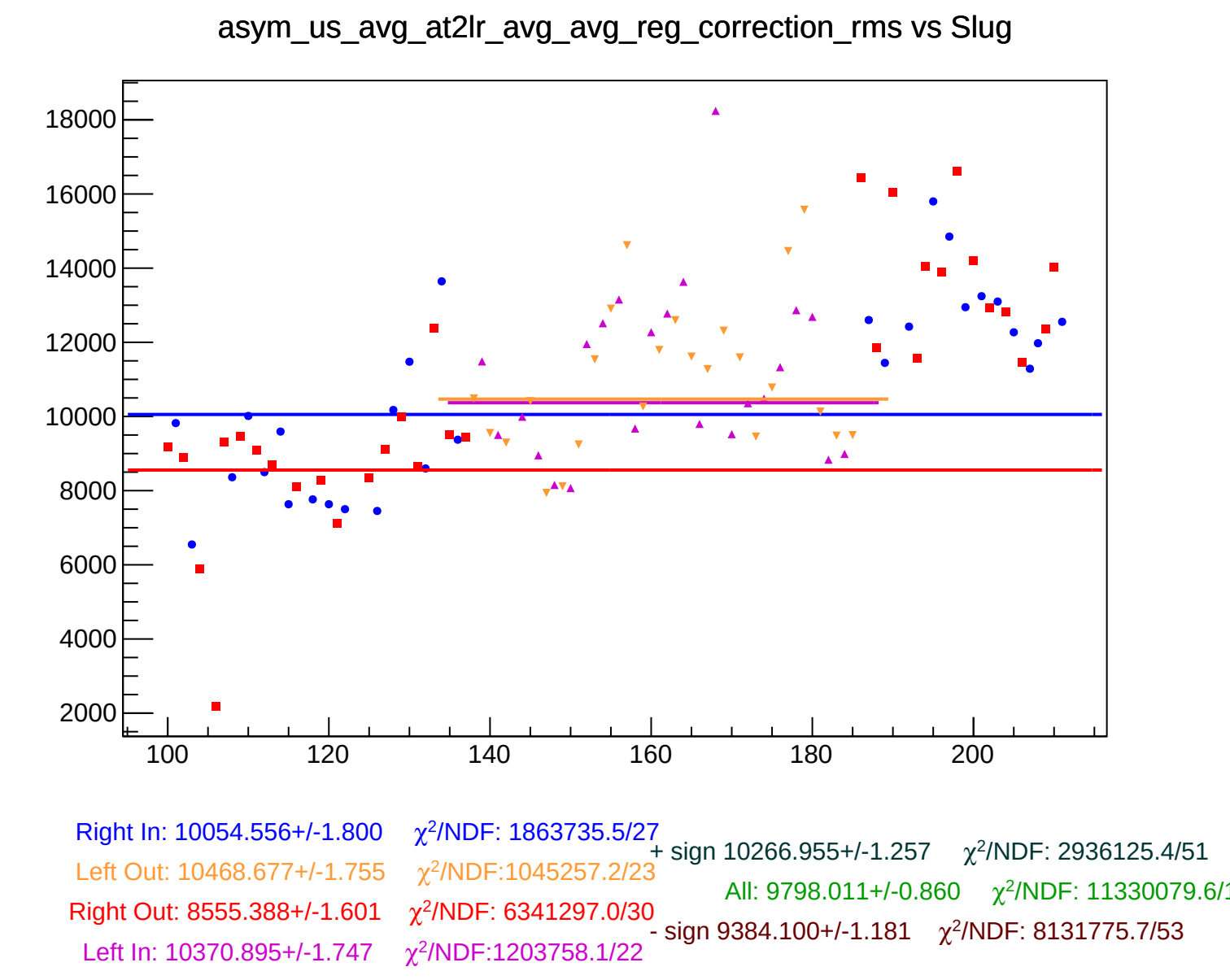
Right Out: 2047.721+/-2264.646 χ^2/NDF: 31.9/30

Left In: 182.426+/-2471.223 χ^2/NDF:13.8/22

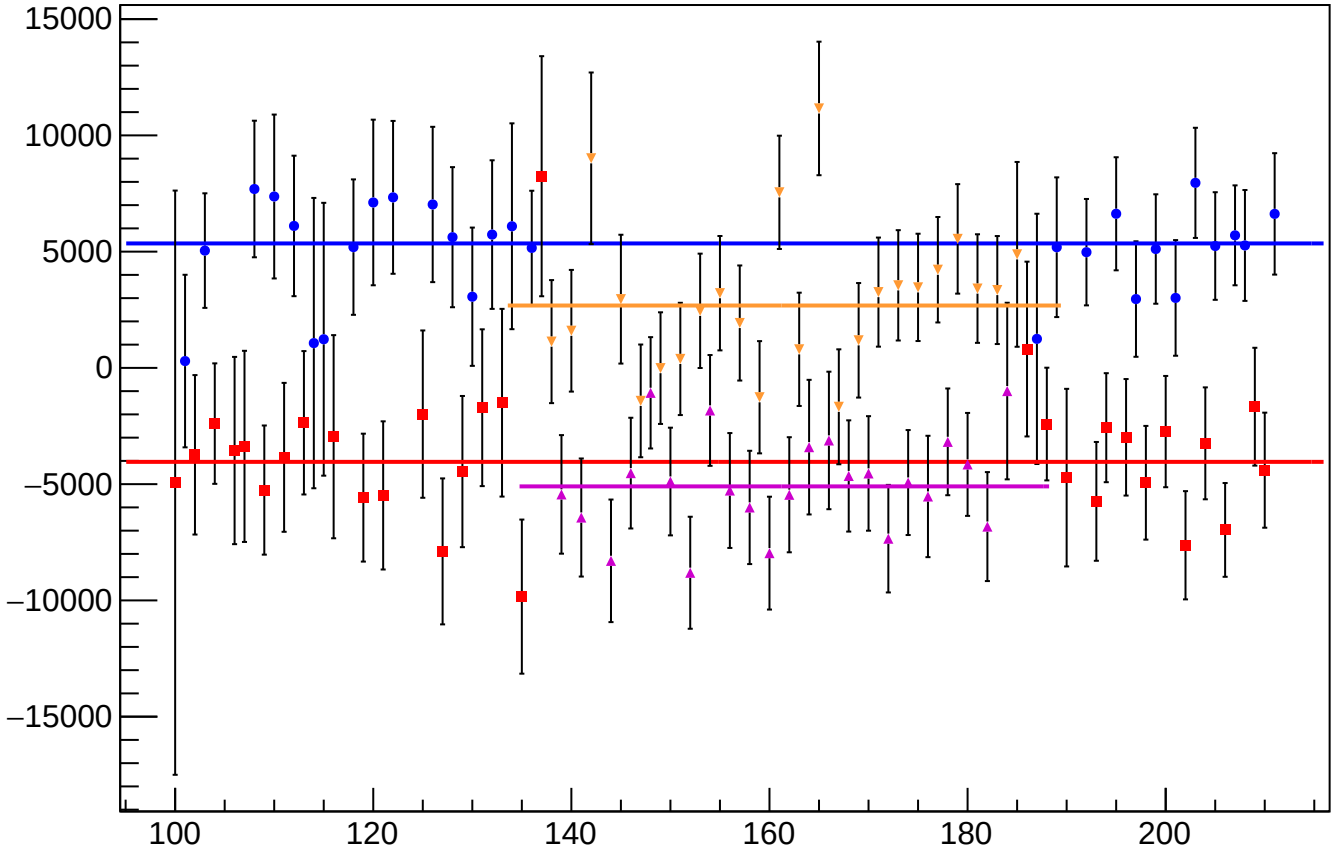
+ sign -470.280+/-1777.138 χ^2/NDF: 58.5/51

All: 414.943+/-1216.831 χ^2/NDF: 104.9/105

- sign 1196.283+/-1669.609 χ^2/NDF: 45.9/53


asym_us_avg_at2lr_avg_avg_reg_correction_rms vs Slug
18000
16000
14000
12000
10000
8000
6000
4000
2000
100
120
140
160
180
200
Right In: 10054.556+/-1.800 χ²/NDF: 1863735.5/27
Left Out: 10468.677+/-1.755 χ²/NDF:1045257.2/23
Right Out: 8555.388+/-1.601 χ²/NDF: 6341297.0/30
Left In: 10370.895+/-1.747 χ²/NDF:1203758.1/22
+ sign 10266.955+/-1.257 χ²/NDF: 2936125.4/51
All: 9798.011+/-0.860 χ²/NDF: 11330079.6/1
- sign 9384.100+/-1.181 χ²/NDF: 8131775.7/53

cor_asym_us_avg_at2lr_avg_avg_mean vs Slug



Right In: 5352.840+/-540.052 χ^2/NDF: 9.6/27

Left Out: 2682.792+/-512.020 χ^2/NDF:30.8/23

Right Out: -4041.379+/-527.349 χ^2/NDF: 22.0/30

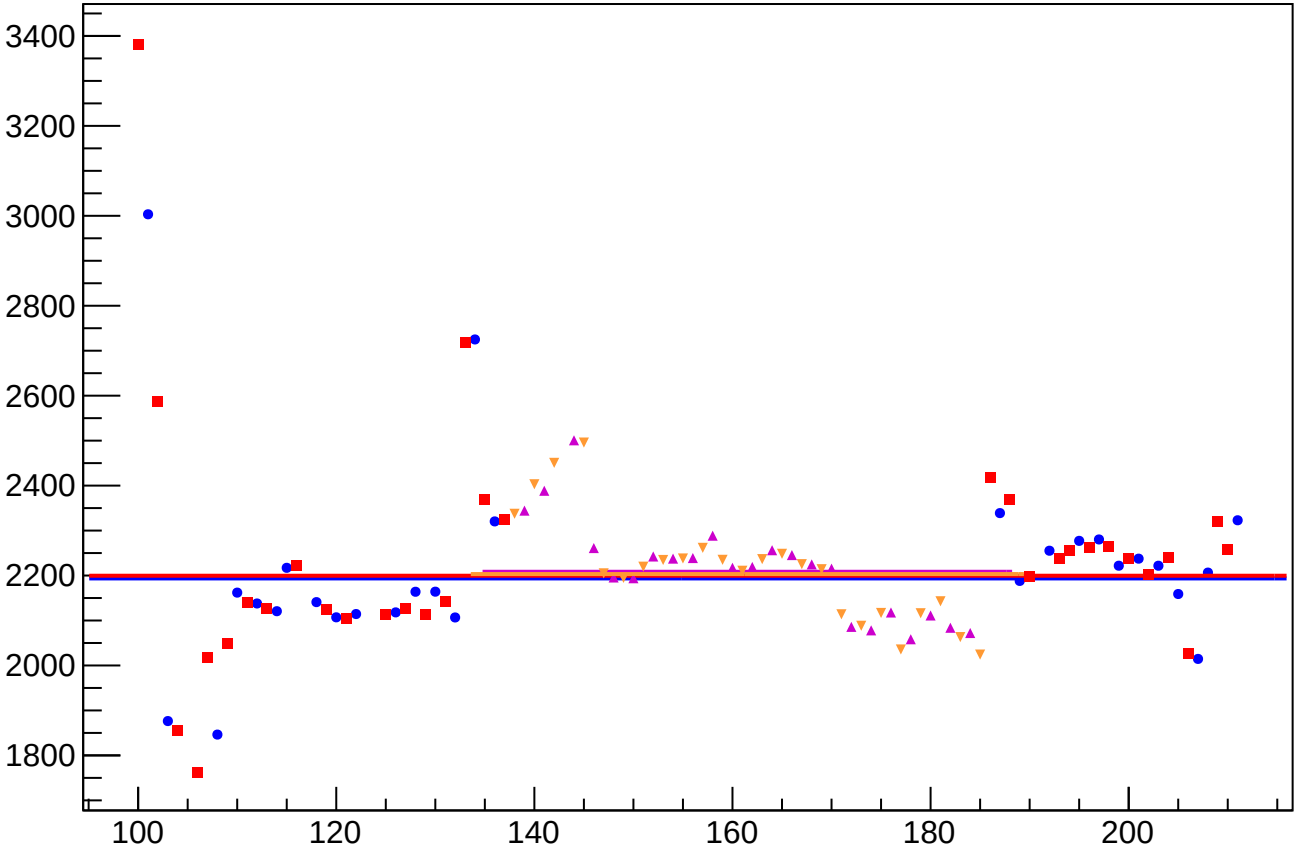
Left In: -5096.334+/-516.232 χ^2/NDF:14.9/22

+ sign 3946.724+/-371.568 χ^2/NDF: 53.3/51

All: -347.419+/-261.789 χ^2/NDF: 357.5/105

- sign -4580.093+/-368.899 χ^2/NDF: 39.0/53

cor_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2193.560+/-0.382 χ^2/NDF: 225735.4/27

Left Out: 2203.297+/-0.362 χ^2/NDF:88208.3/23

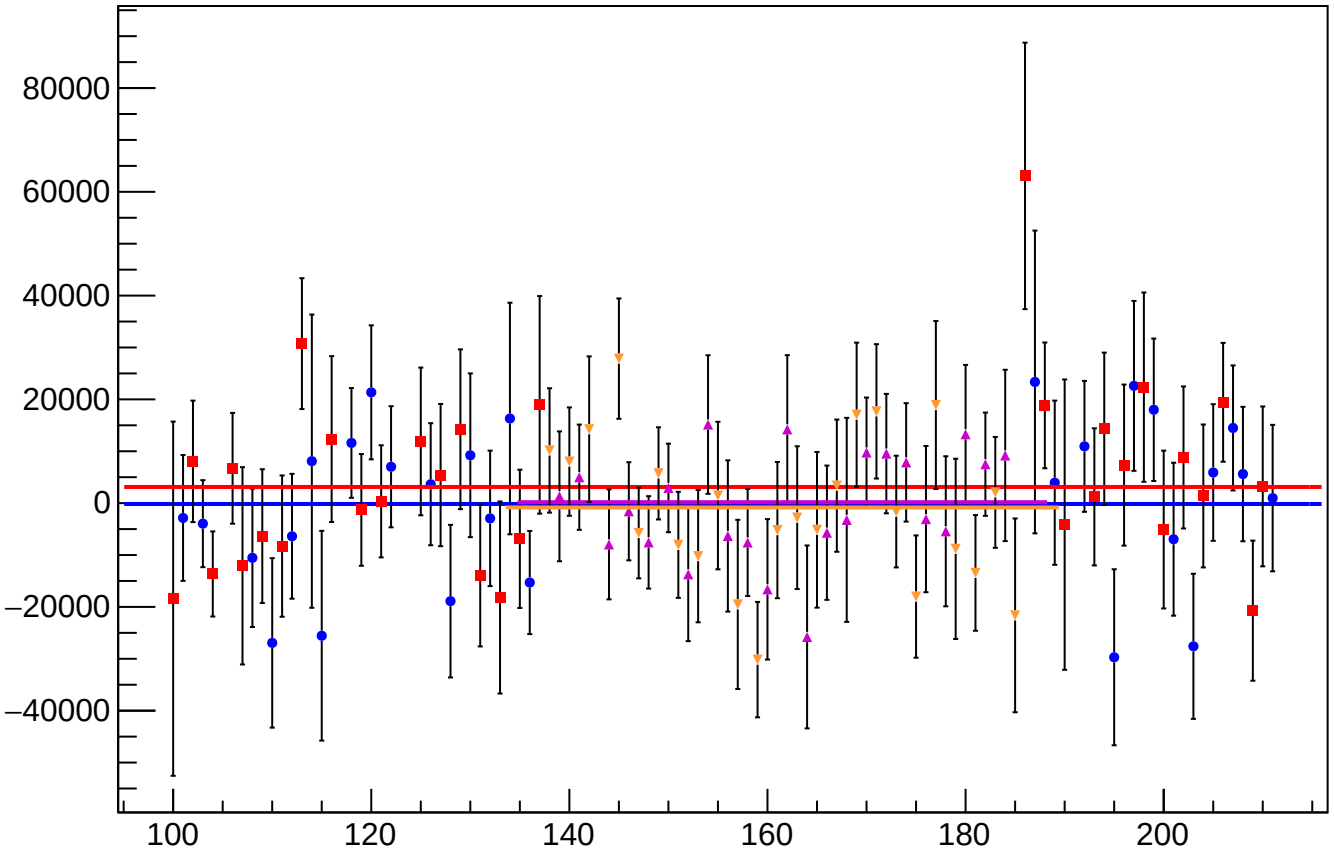
Right Out: 2199.571+/-0.372 χ^2/NDF: 208307.0/30

Left In: 2208.379+/-0.365 χ^2/NDF:80994.3/22

+ sign 2198.688+/-0.263 χ^2/NDF: 314286.0/51

All: 2201.396+/-0.185 χ^2/NDF: 604083.6/105

- sign 2204.060+/-0.261 χ^2/NDF: 289586.8/53



Right In: -162.531+/-2544.512 χ^2/NDF: 29.0/27

Left Out: -833.458+/-2481.469 χ^2/NDF:29.5/23

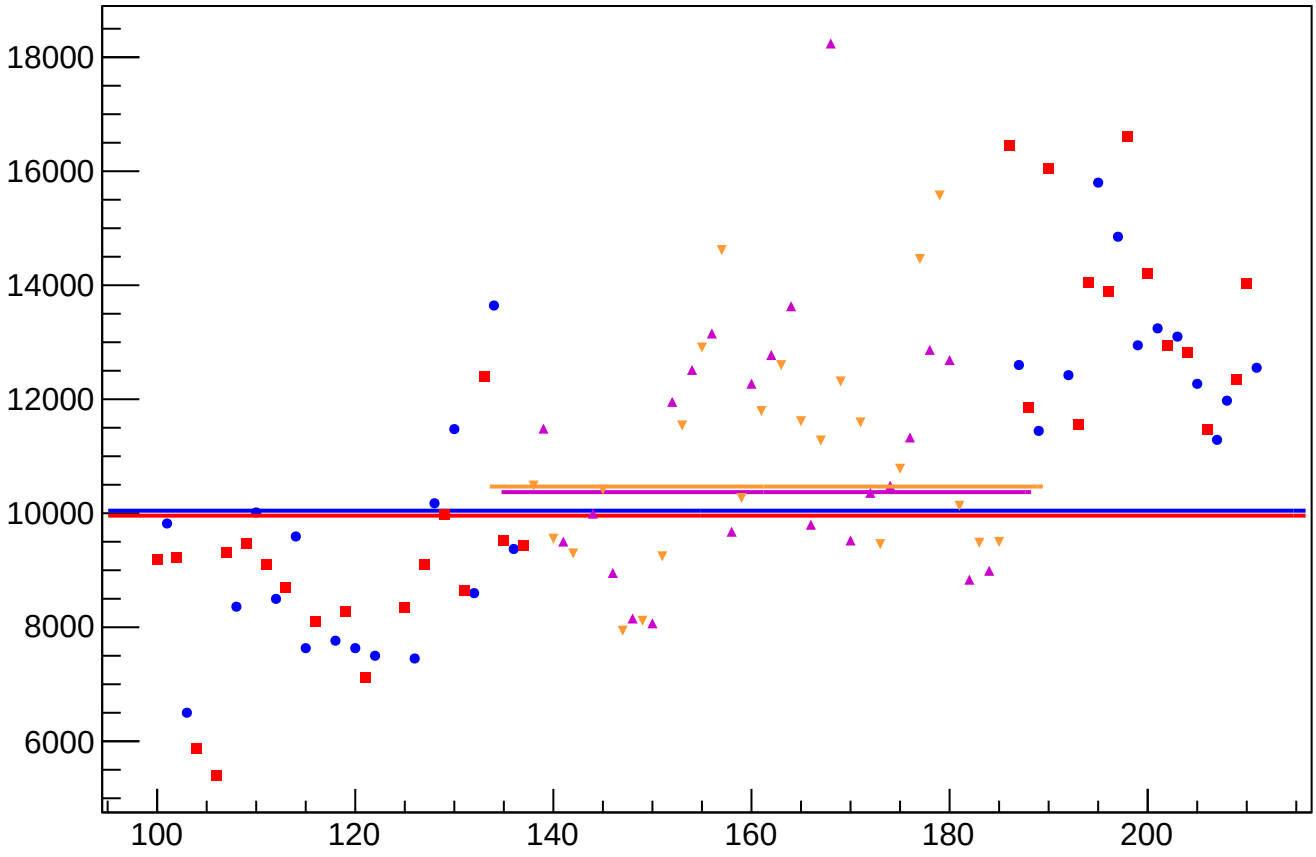
Right Out: 3116.989+/-2473.539 χ^2/NDF: 31.7/30

Left In: 182.360+/-2471.221 χ^2/NDF:13.8/22

+ sign -506.409+/-1776.533 χ^2/NDF: 58.5/51

All: 588.242+/-1246.074 χ^2/NDF: 105.4/105

- sign 1648.299+/-1748.236 χ^2/NDF: 46.2/53



Right In: 10045.283+/-1.799 χ^2/NDF: 1878502.6/27

Left Out: 10468.676+/-1.755 χ^2/NDF:1045258.5/23

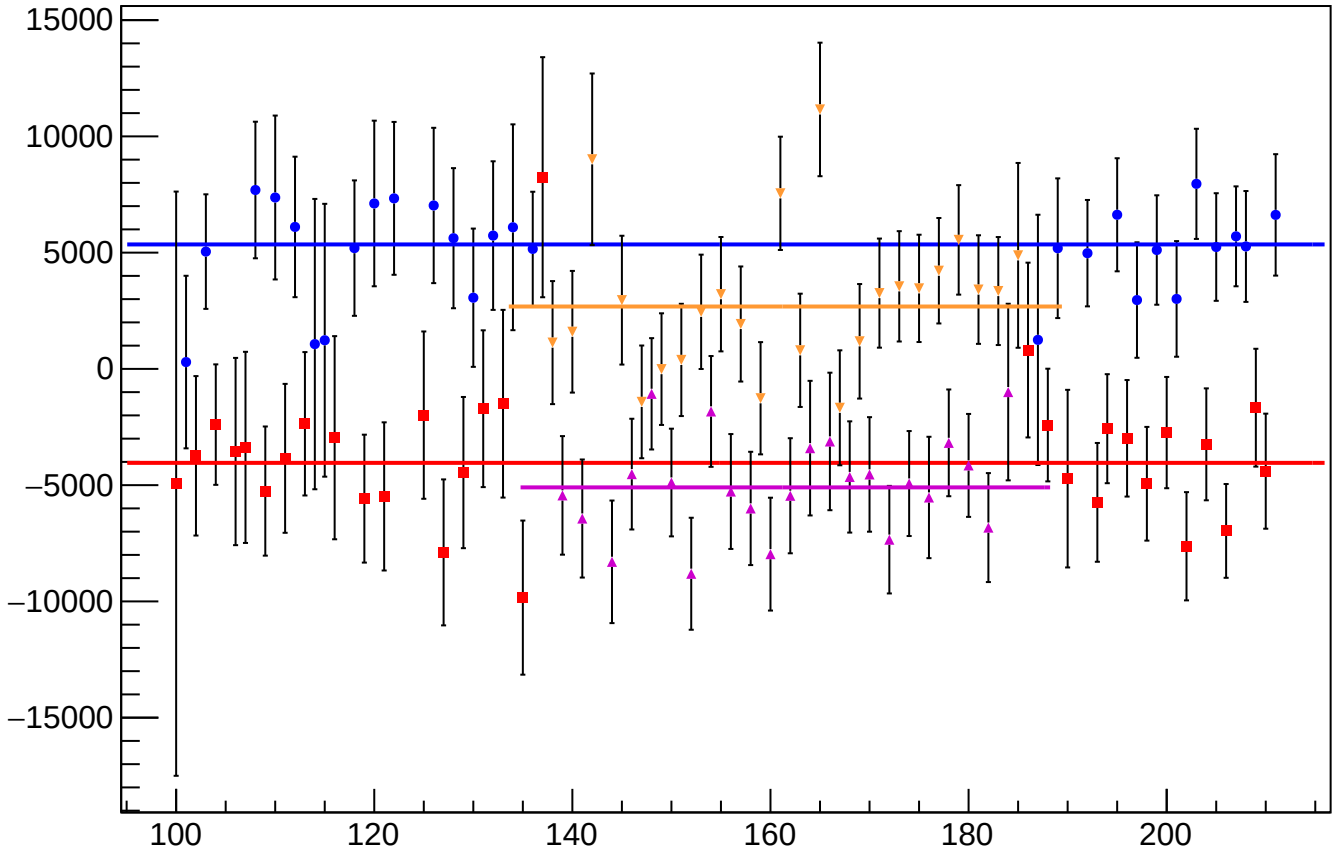
Right Out: 9958.338+/-1.749 χ^2/NDF: 2629429.4/30

Left In: 10370.886+/-1.747 χ^2/NDF:1203763.9/22

+ sign 10262.290+/-1.256 χ^2/NDF: 2952142.8/51

All: 10212.765+/-0.881 χ^2/NDF: 6816238.6/1

- sign 10164.805+/-1.236 χ^2/NDF: 3861036.4/53



Right In: 5352.840+/-540.052 χ^2/NDF: 9.6/27

Left Out: 2682.792+/-512.020 χ^2/NDF:30.8/23

Right Out: -4041.379+/-527.349 χ^2/NDF: 22.0/30

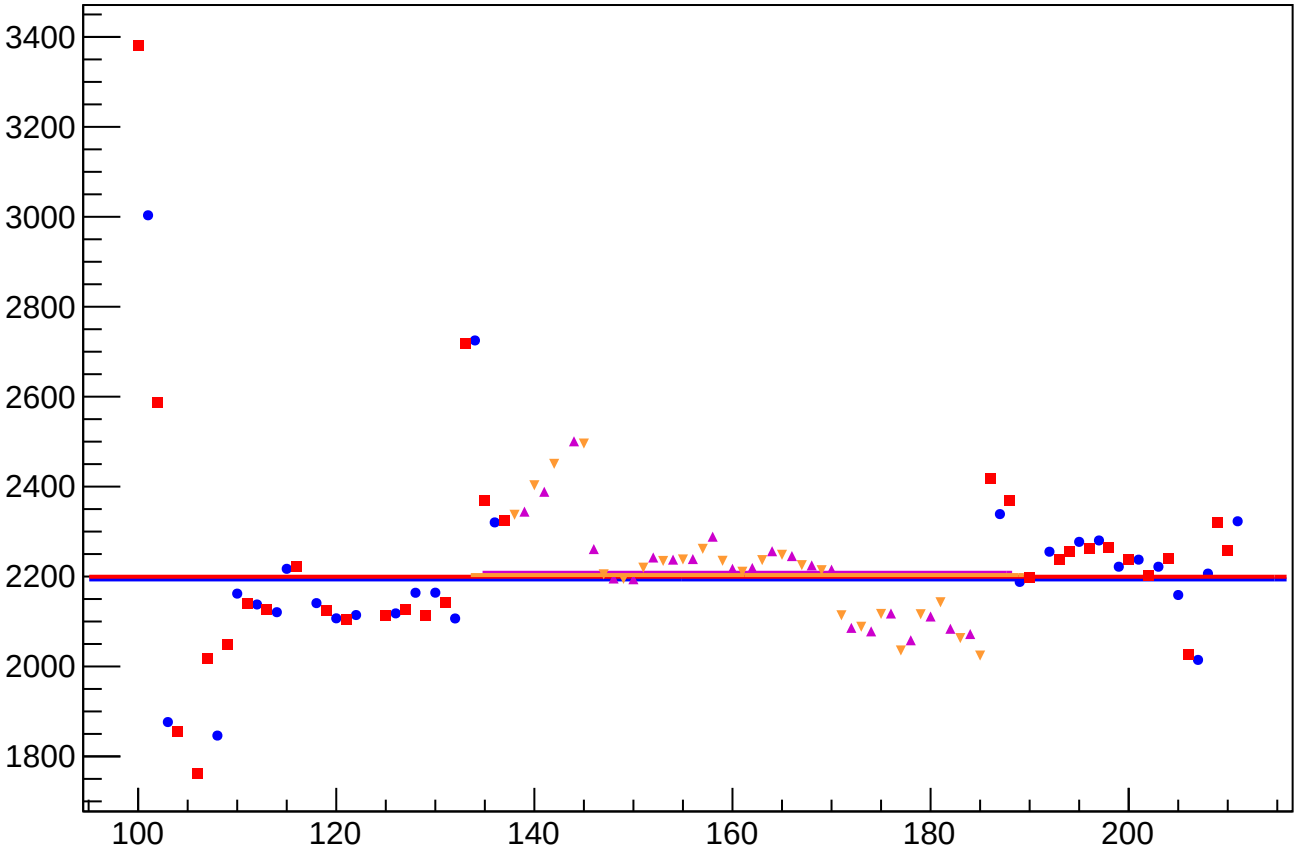
Left In: -5096.334+/-516.232 χ^2/NDF:14.9/22

+ sign 3946.724+/-371.568 χ^2/NDF: 53.3/51

All: -347.419+/-261.789 χ^2/NDF: 357.5/105

- sign -4580.093+/-368.899 χ^2/NDF: 39.0/53

eigen_cor_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2193.560+/-0.382 χ^2/NDF: 225735.4/27

Left Out: 2203.297+/-0.362 χ^2/NDF:88208.3/23

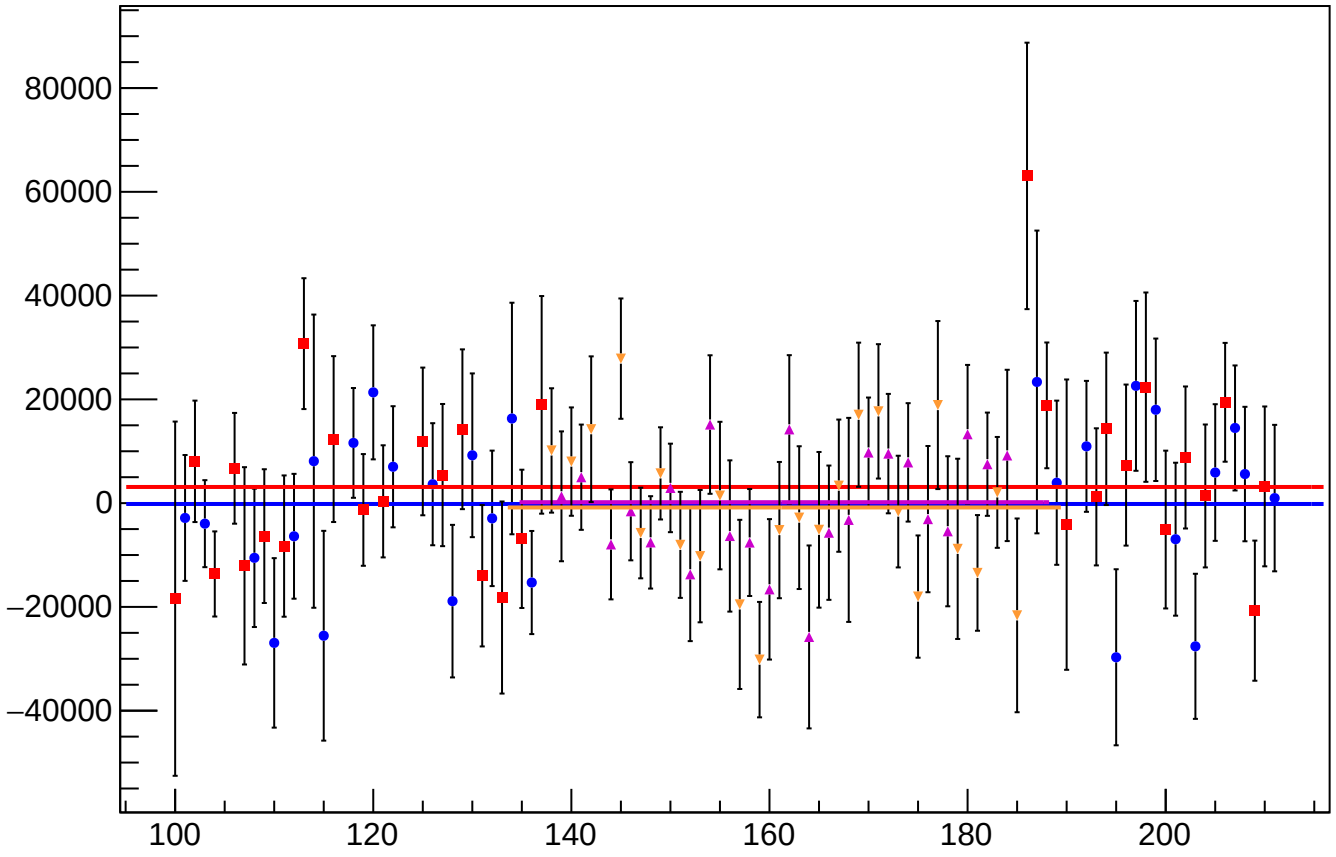
Right Out: 2199.571+/-0.372 χ^2/NDF: 208307.0/30

Left In: 2208.379+/-0.365 χ^2/NDF:80994.3/22

+ sign 2198.688+/-0.263 χ^2/NDF: 314286.0/51

All: 2201.396+/-0.185 χ^2/NDF: 604083.6/105

- sign 2204.060+/-0.261 χ^2/NDF: 289586.8/53



Right In: -162.531+/-2544.512 χ^2/NDF: 29.0/27

Left Out: -833.458+/-2481.469 χ^2/NDF:29.5/23

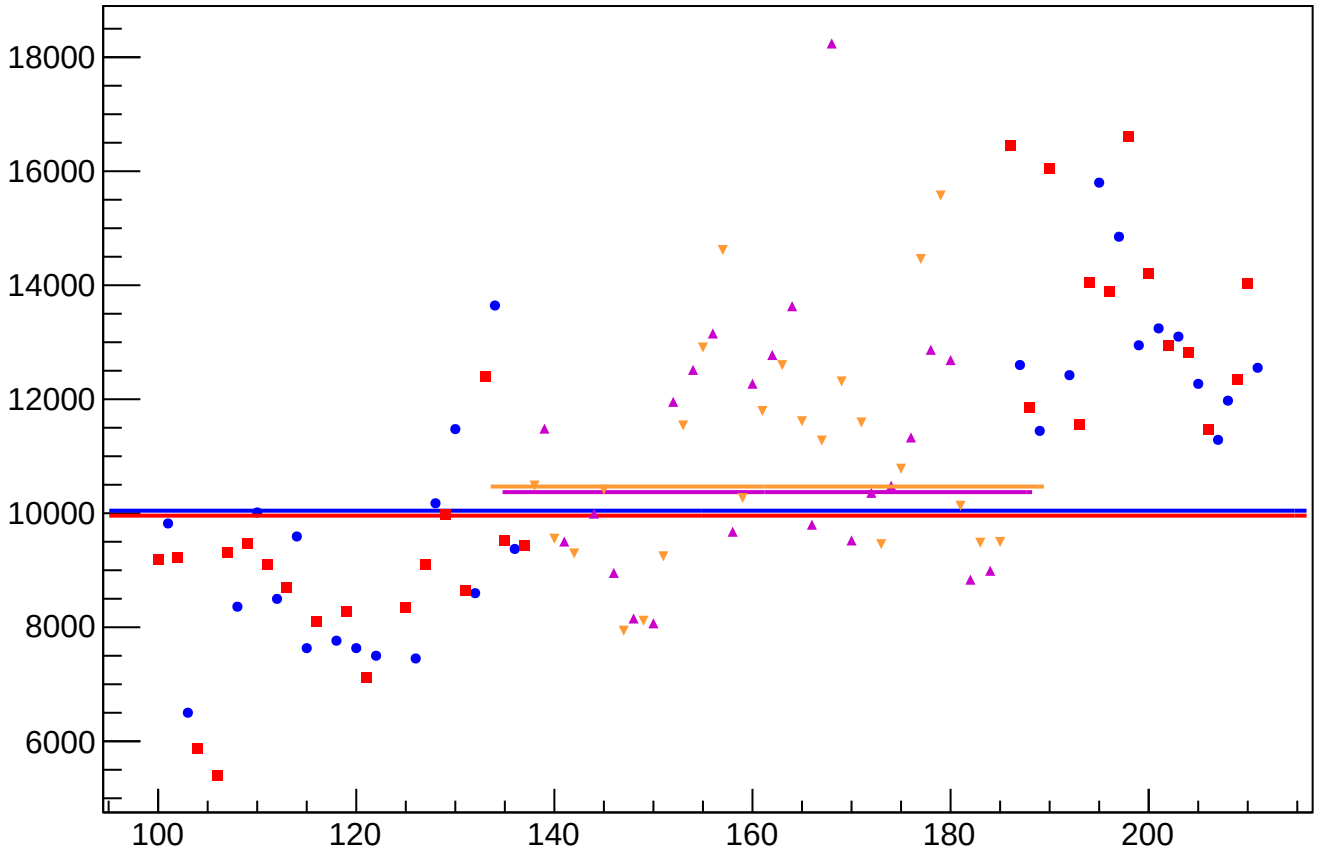
Right Out: 3116.989+/-2473.539 χ^2/NDF: 31.7/30

Left In: 182.360+/-2471.221 χ^2/NDF:13.8/22

+ sign -506.409+/-1776.533 χ^2/NDF: 58.5/51

All: 588.242+/-1246.074 χ^2/NDF: 105.4/105

- sign 1648.299+/-1748.236 χ^2/NDF: 46.2/53



Right In: 10045.283+/-1.799 χ^2/NDF: 1878502.6/27

Left Out: 10468.676+/-1.755 χ^2/NDF:1045258.5/23

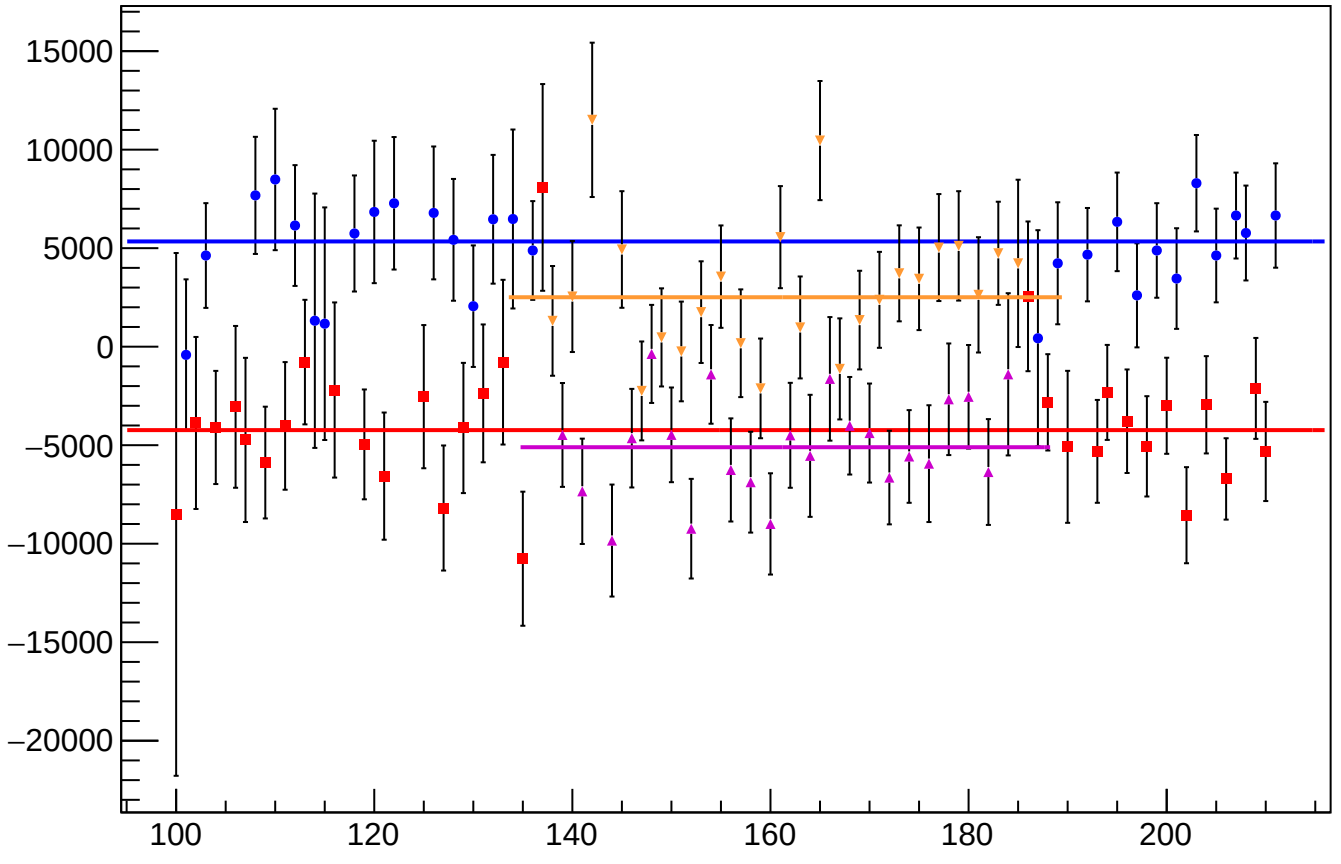
Right Out: 9958.338+/-1.749 χ^2/NDF: 2629429.4/30

Left In: 10370.886+/-1.747 χ^2/NDF:1203763.9/22

+ sign 10262.290+/-1.256 χ^2/NDF: 2952142.8/51

All: 10212.765+/-0.881 χ^2/NDF: 6816238.6/1

- sign 10164.805+/-1.236 χ^2/NDF: 3861036.4/53



Right In: 5341.428+/-554.372 χ^2/NDF: 11.7/27

Left Out: 2508.976+/-551.601 χ^2/NDF:29.8/23

Right Out: -4234.829+/-543.409 χ^2/NDF: 25.0/30

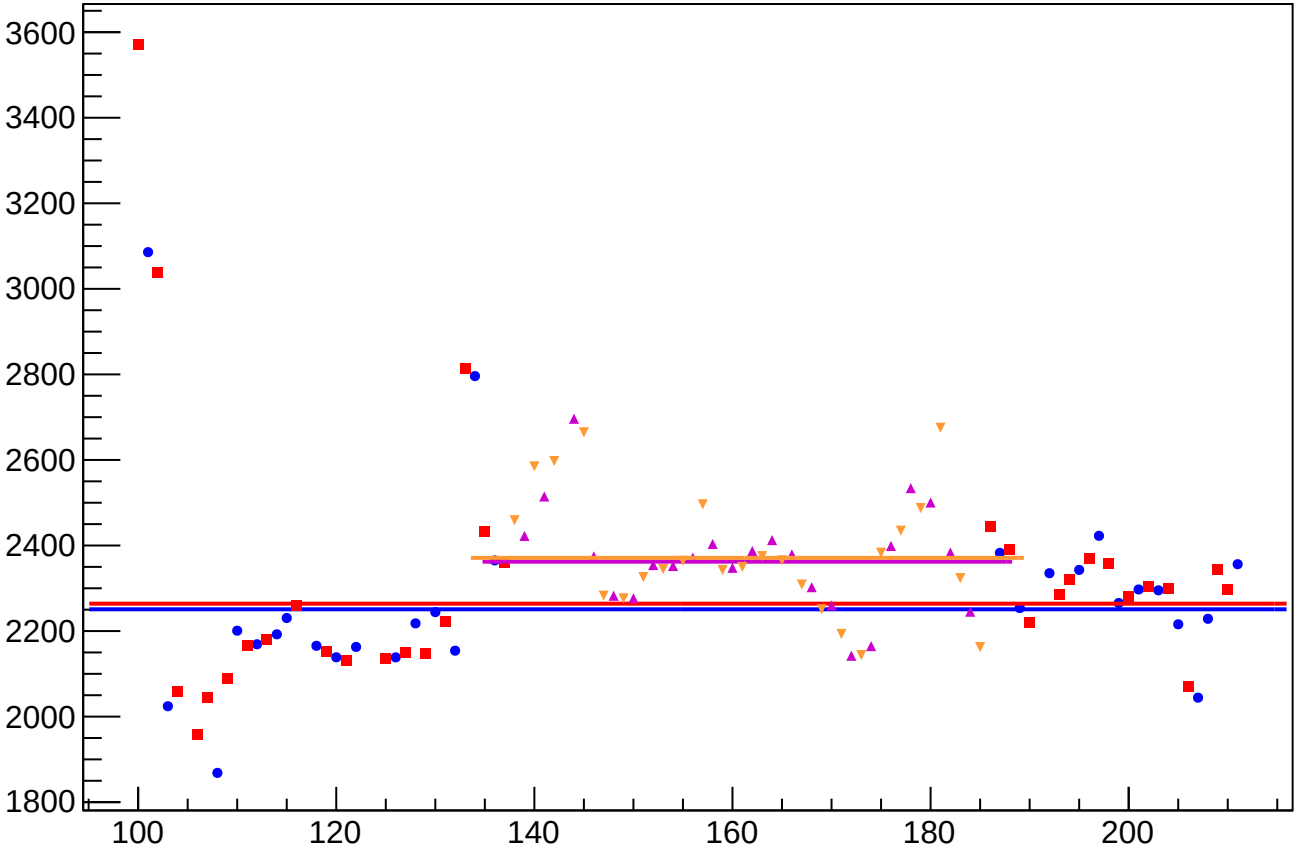
Left In: -5102.993+/-552.583 χ^2/NDF:19.9/22

+ sign 3918.104+/-391.017 χ^2/NDF: 54.7/51

All: -411.072+/-275.221 χ^2/NDF: 343.7/105

- sign -4661.645+/-387.451 χ^2/NDF: 46.1/53

dit_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2250.846+/-0.392 χ^2/NDF: 224647.2/27

Left Out: 2371.137+/-0.390 χ^2/NDF:116296.5/23

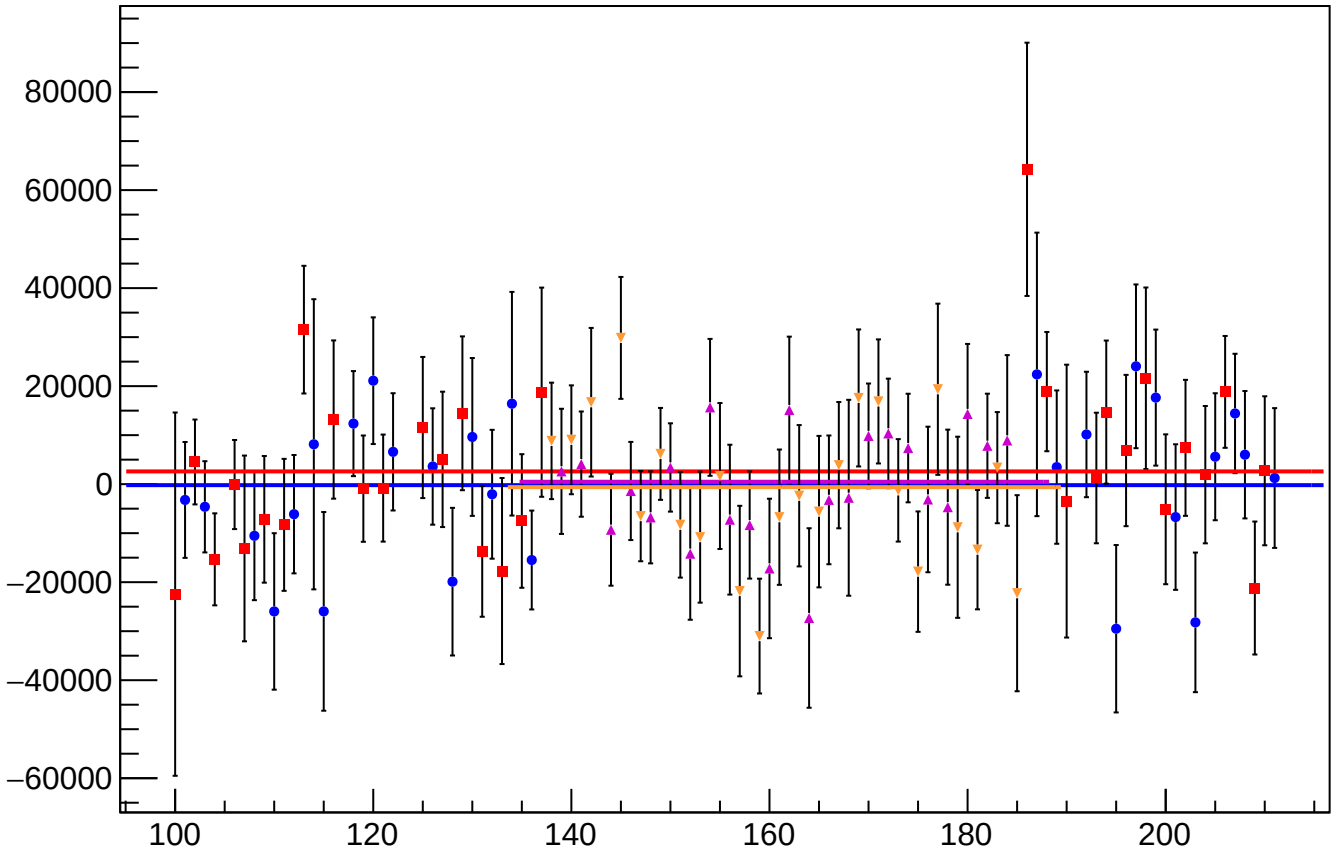
Right Out: 2264.037+/-0.384 χ^2/NDF: 213464.7/30

Left In: 2362.218+/-0.391 χ^2/NDF:91896.7/22

+ sign 2311.293+/-0.276 χ^2/NDF: 388262.2/51

All: 2311.797+/-0.195 χ^2/NDF: 725736.0/105

- sign 2312.293+/-0.274 χ^2/NDF: 337467.2/53



Right In: -202.693+/-2581.941 χ^2/NDF: 28.9/27

Left Out: -608.283+/-2589.919 χ^2/NDF:28.9/23

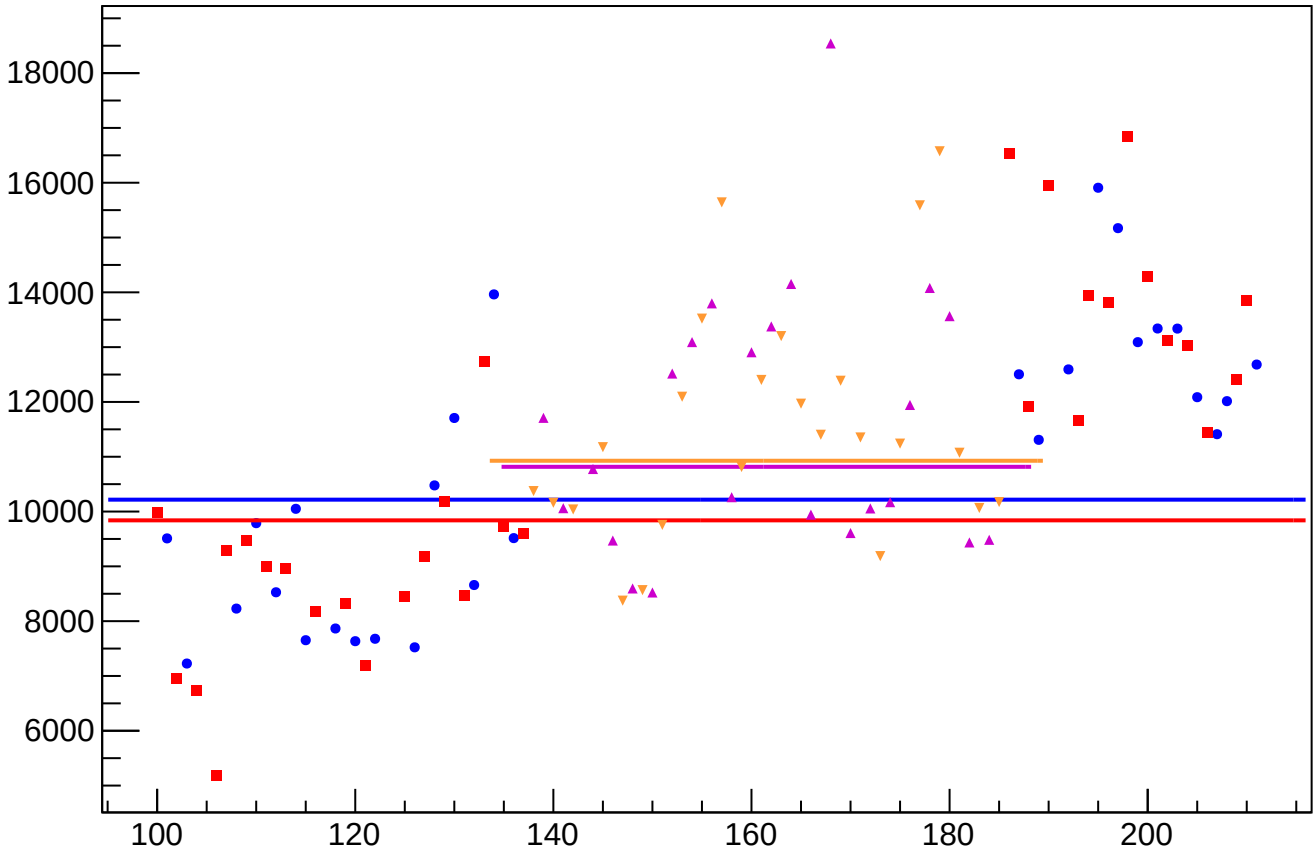
Right Out: 2600.397+/-2443.197 χ^2/NDF: 31.3/30

Left In: 490.044+/-2577.213 χ^2/NDF:13.5/22

+ sign -404.862+/-1828.522 χ^2/NDF: 57.7/51

All: 629.201+/-1272.909 χ^2/NDF: 103.6/105

- sign 1601.515+/-1773.087 χ^2/NDF: 45.2/53



Right In: 10216.997+/-1.826 χ^2/NDF: 1728854.6/27

Left Out: 10926.860+/-1.831 χ^2/NDF:1057331.1/23

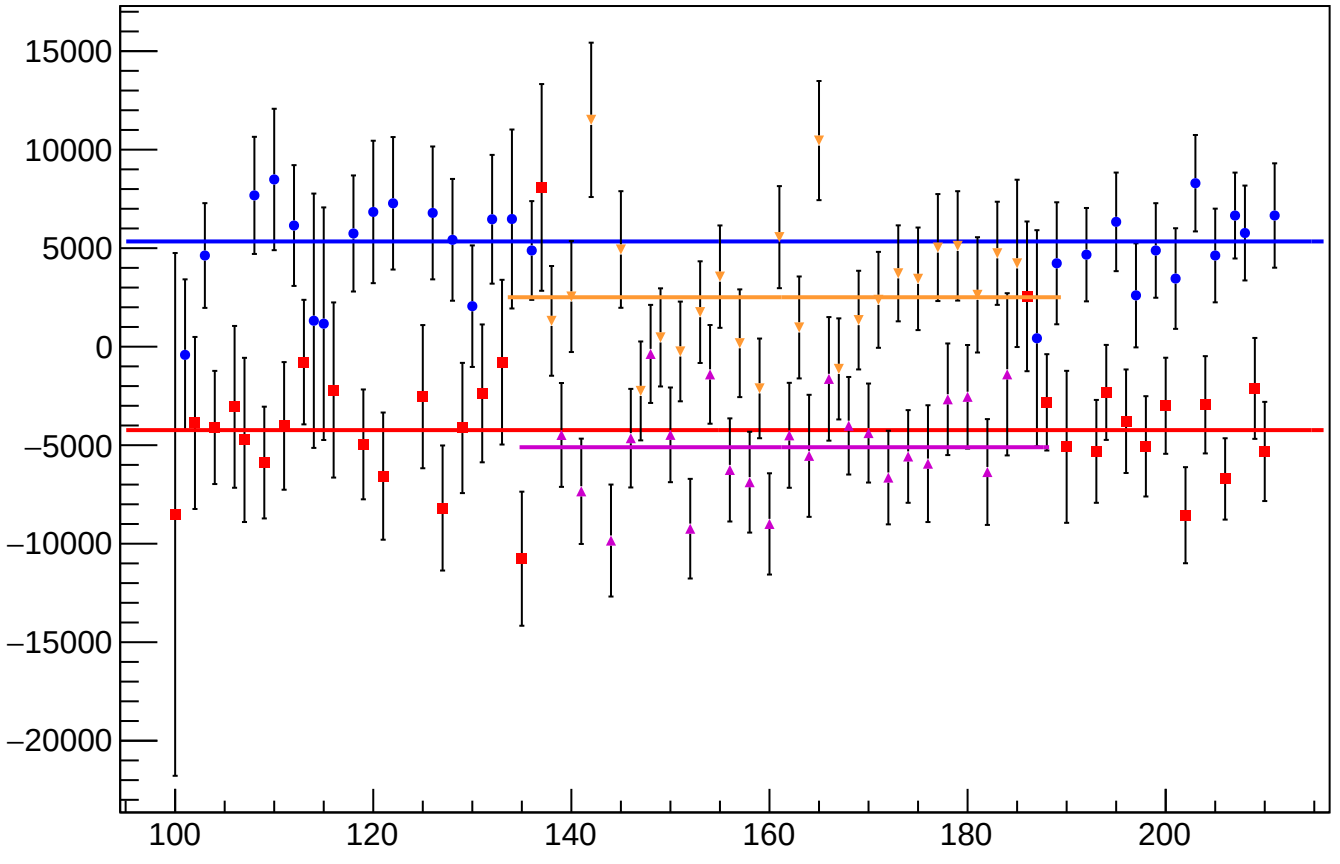
Right Out: 9839.306+/-1.728 χ^2/NDF: 2793447.4/30

Left In: 10816.320+/-1.822 χ^2/NDF:1196820.9/22

+ sign 10570.834+/-1.293 χ^2/NDF: 2861541.2/51

All: 10432.152+/-0.900 χ^2/NDF: 7025513.3/1

- sign 10301.751+/-1.254 χ^2/NDF: 4141650.1/53



Right In: 5341.425+/-554.372 χ^2/NDF: 11.7/27

Left Out: 2508.963+/-551.602 χ^2/NDF:29.8/23

Right Out: -4234.825+/-543.409 χ^2/NDF: 25.0/30

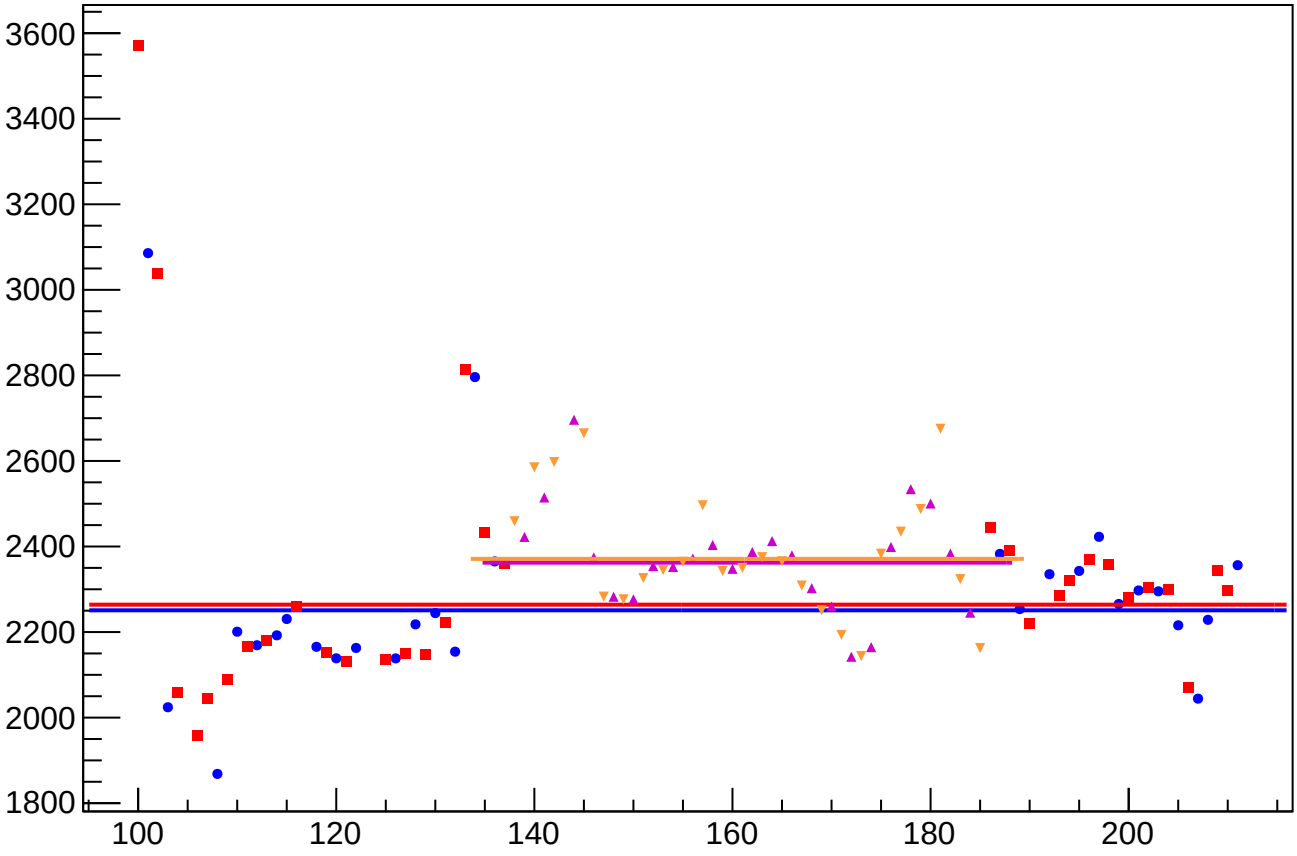
Left In: -5102.996+/-552.584 χ^2/NDF:19.9/22

+ sign 3918.098+/-391.017 χ^2/NDF: 54.7/51

All: -411.074+/-275.221 χ^2/NDF: 343.7/105

- sign -4661.643+/-387.451 χ^2/NDF: 46.1/53

eigen_dit_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2250.846+/-0.392 χ^2/NDF: 224647.5/27

Left Out: 2371.140+/-0.390 χ^2/NDF:116300.8/23

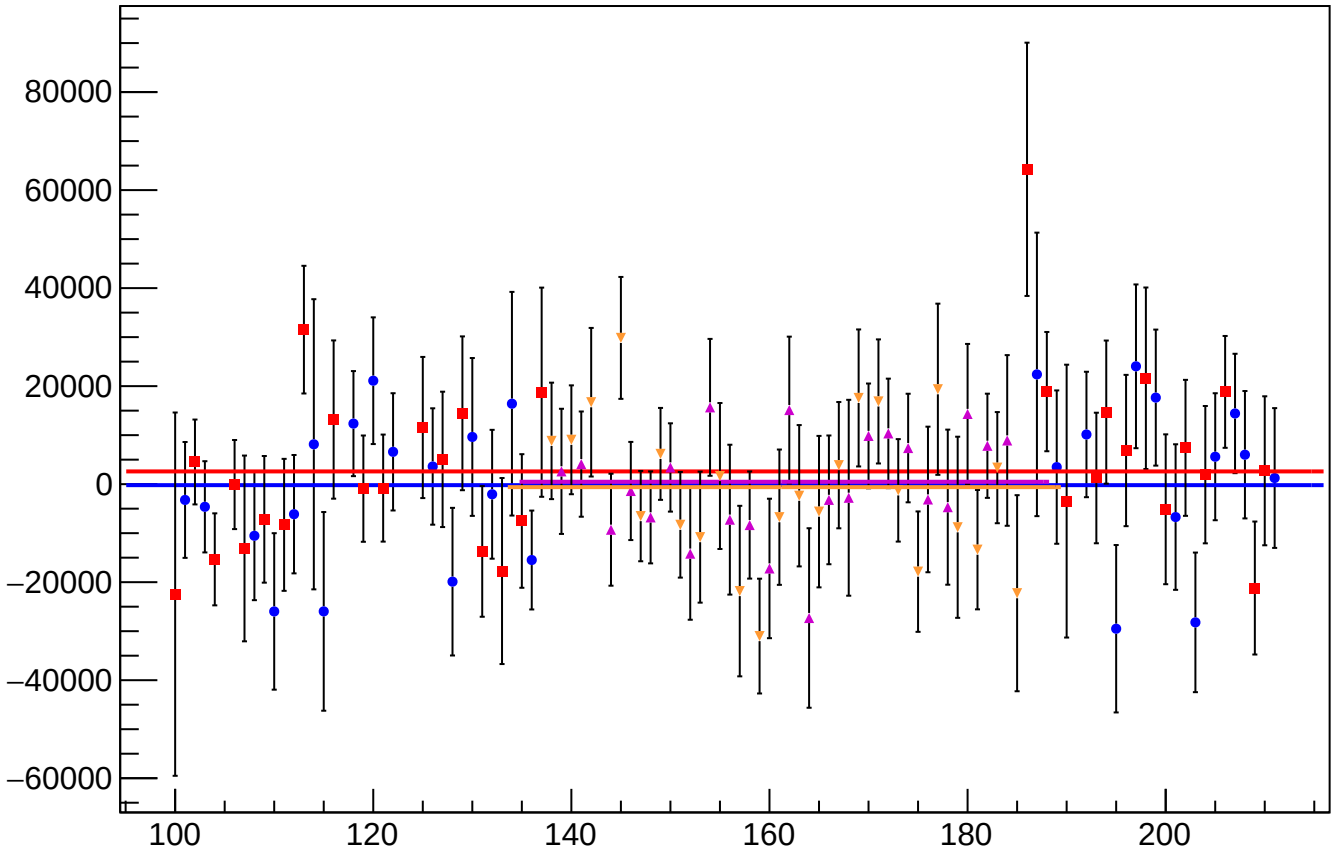
Right Out: 2264.037+/-0.384 χ^2/NDF: 213465.2/30

Left In: 2362.221+/-0.391 χ^2/NDF:91901.3/22

+ sign 2311.294+/-0.276 χ^2/NDF: 388269.5/51

All: 2311.799+/-0.195 χ^2/NDF: 725750.6/105

- sign 2312.294+/-0.274 χ^2/NDF: 337474.5/53



Right In: -202.686+/-2581.940 χ^2/NDF: 28.9/27

Left Out: -608.291+/-2589.924 χ^2/NDF:28.9/23

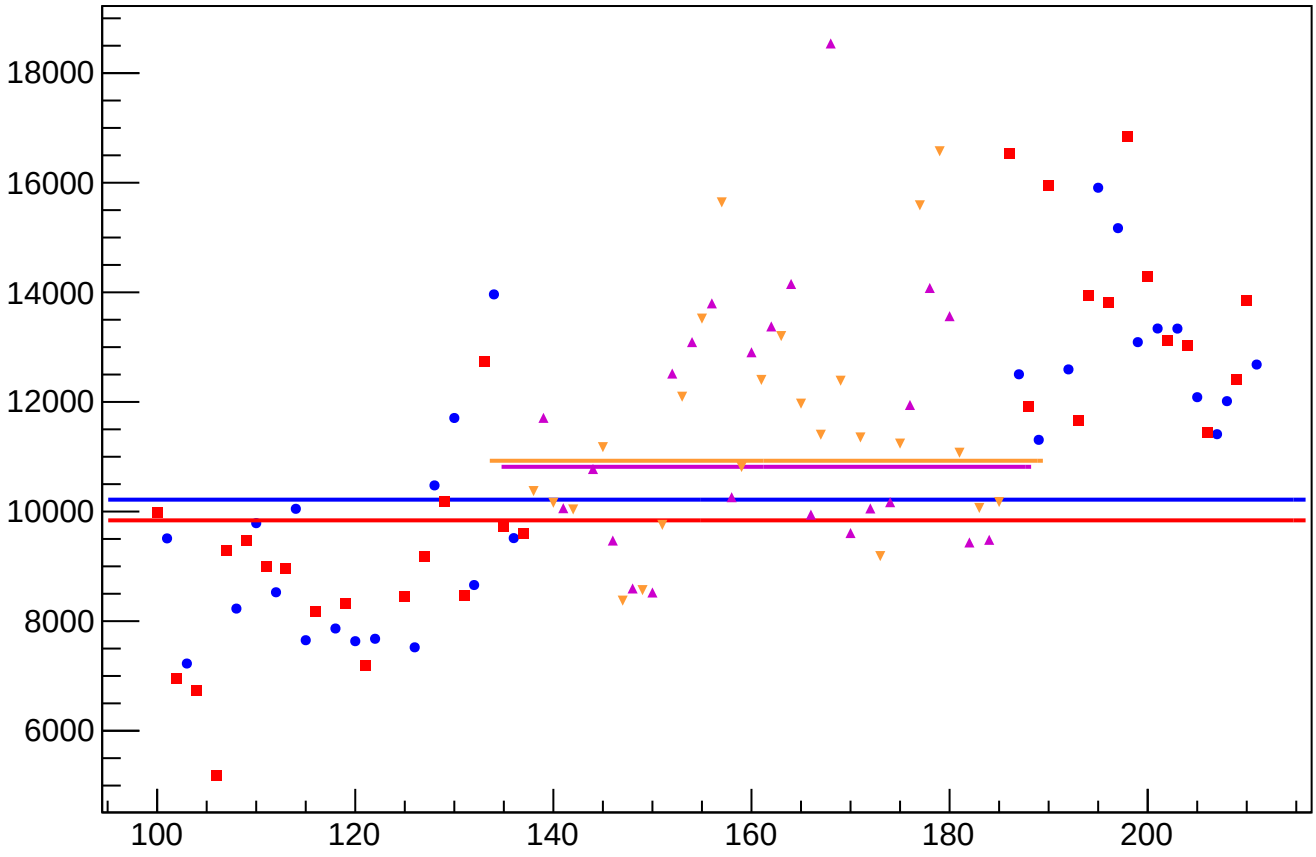
Right Out: 2600.384+/-2443.195 χ^2/NDF: 31.3/30

Left In: 490.047+/-2577.218 χ^2/NDF:13.5/22

+ sign -404.863+/-1828.523 χ^2/NDF: 57.7/51

All: 629.199+/-1272.909 χ^2/NDF: 103.6/105

- sign 1601.512+/-1773.087 χ^2/NDF: 45.2/53



Right In: 10216.985+/-1.826 χ^2/NDF: 1728883.4/27

Left Out: 10926.878+/-1.831 χ^2/NDF:1057333.6/23

Right Out: 9839.293+/-1.728 χ^2/NDF: 2793472.7/30

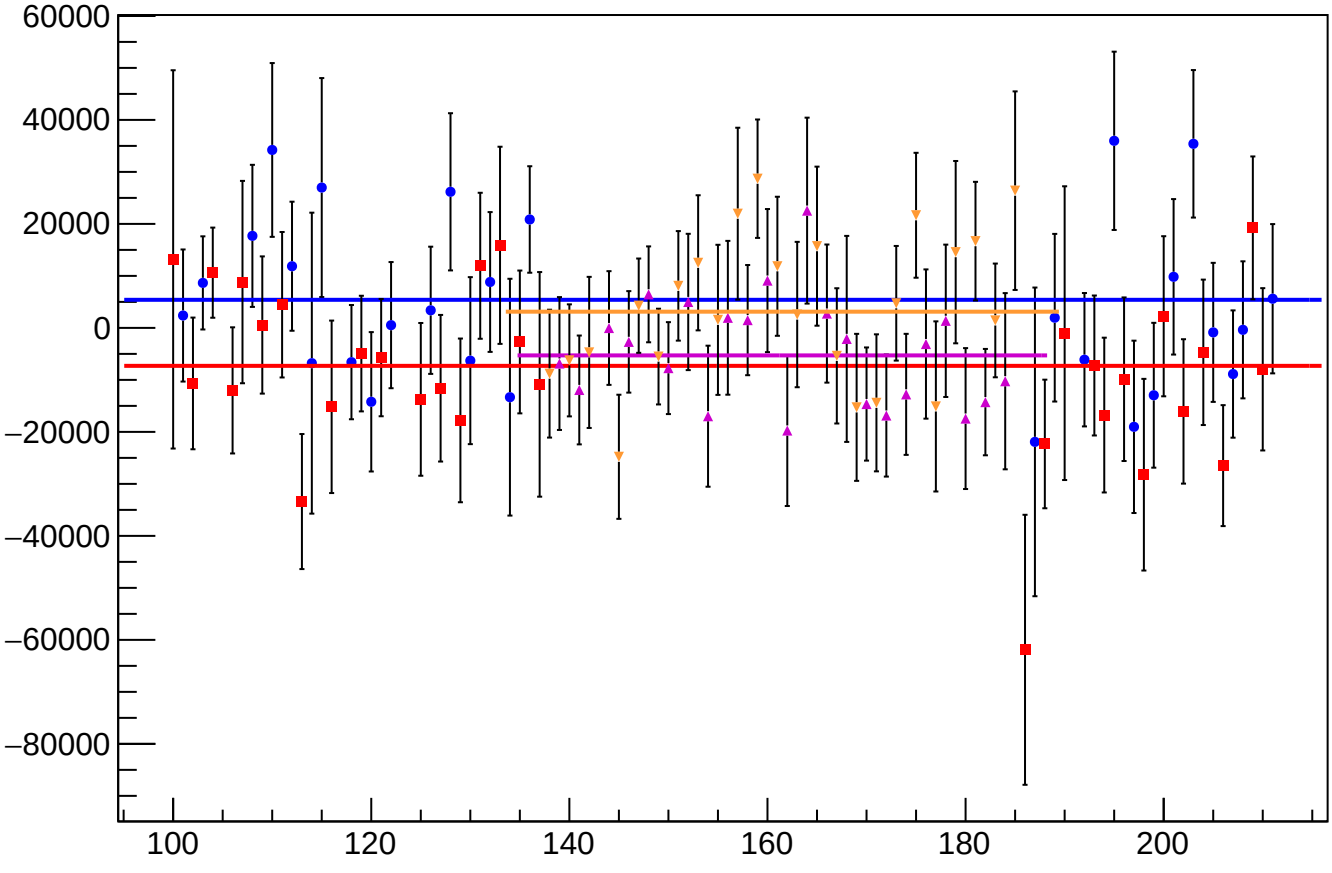
Left In: 10816.337+/-1.822 χ^2/NDF:1196824.5/22

+ sign 10570.836+/-1.293 χ^2/NDF: 2861578.6/51

All: 10432.153+/-0.900 χ^2/NDF: 7025589.1/1

- sign 10301.751+/-1.254 χ^2/NDF: 4141688.1/53

asym_us_avg_at2lr_avg_avg_mean vs Slug



Right In: 5400.923+/-2619.666 χ^2/NDF: 29.6/27

Left Out: 3119.161+/-2542.855 χ^2/NDF:27.4/23

Right Out: -7300.194+/-2558.922 χ^2/NDF: 30.1/30

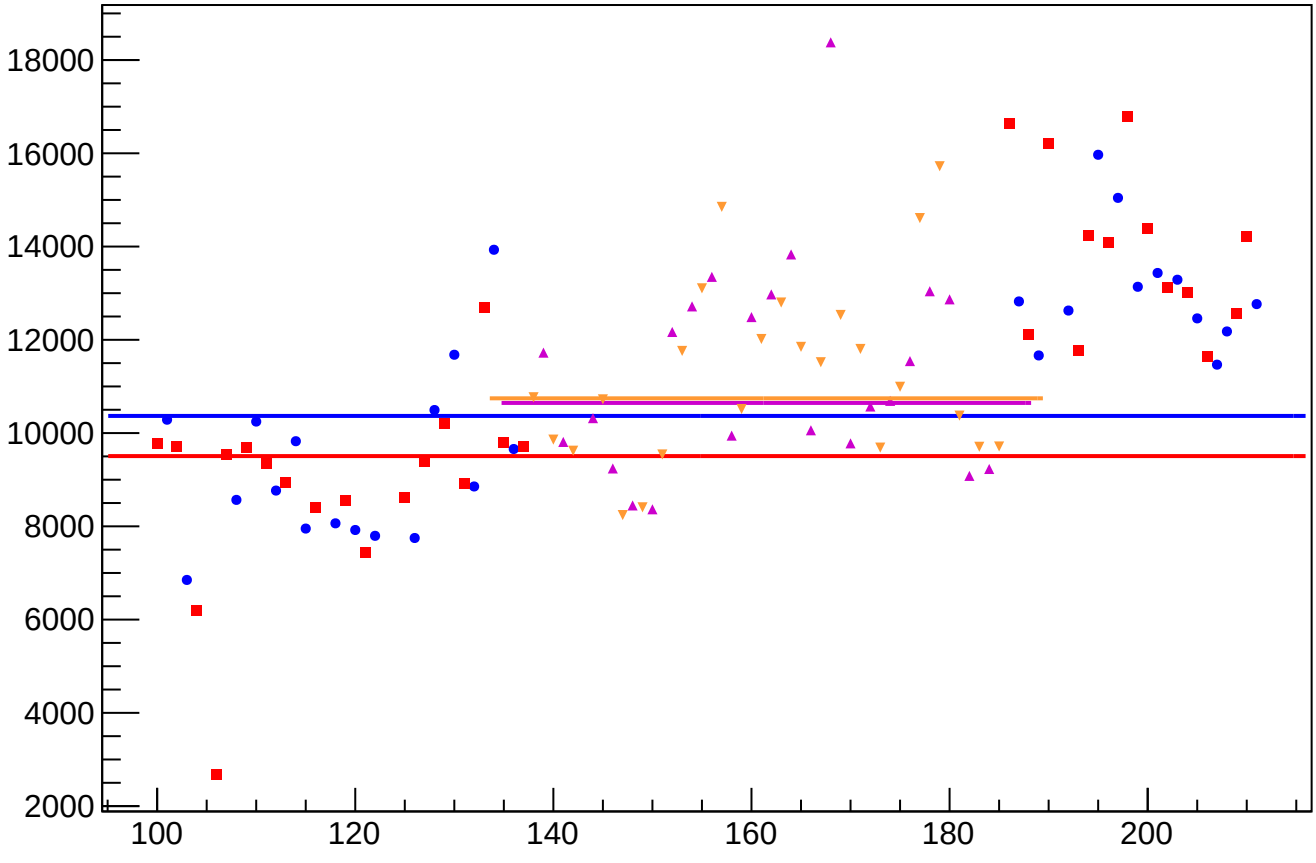
Left In: -5290.718+/-2532.995 χ^2/NDF:13.3/22

\+ sign 4226.100+/-1824.621 χ^2/NDF: 57.4/51

All: -1100.391+/-1281.478 χ^2/NDF: 117.9/10

\- sign -6285.225+/-1800.194 χ^2/NDF: 43.7/53

asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 10367.845+/-1.852 χ^2/NDF: 1705166.2/27

Left Out: 10745.331+/-1.798 χ^2/NDF:964618.1/23

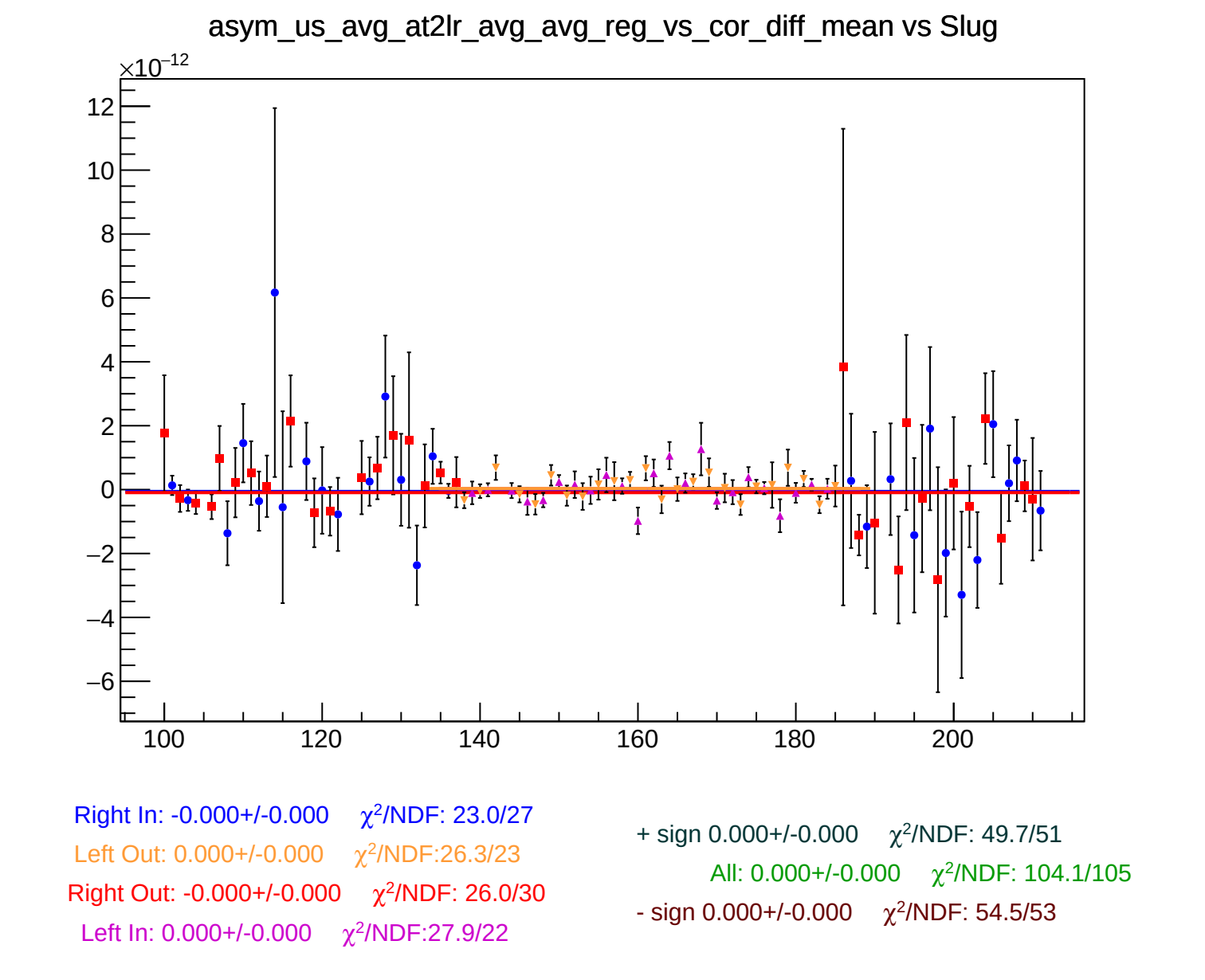
Right Out: 9506.523+/-1.725 χ^2/NDF: 4424510.4/30

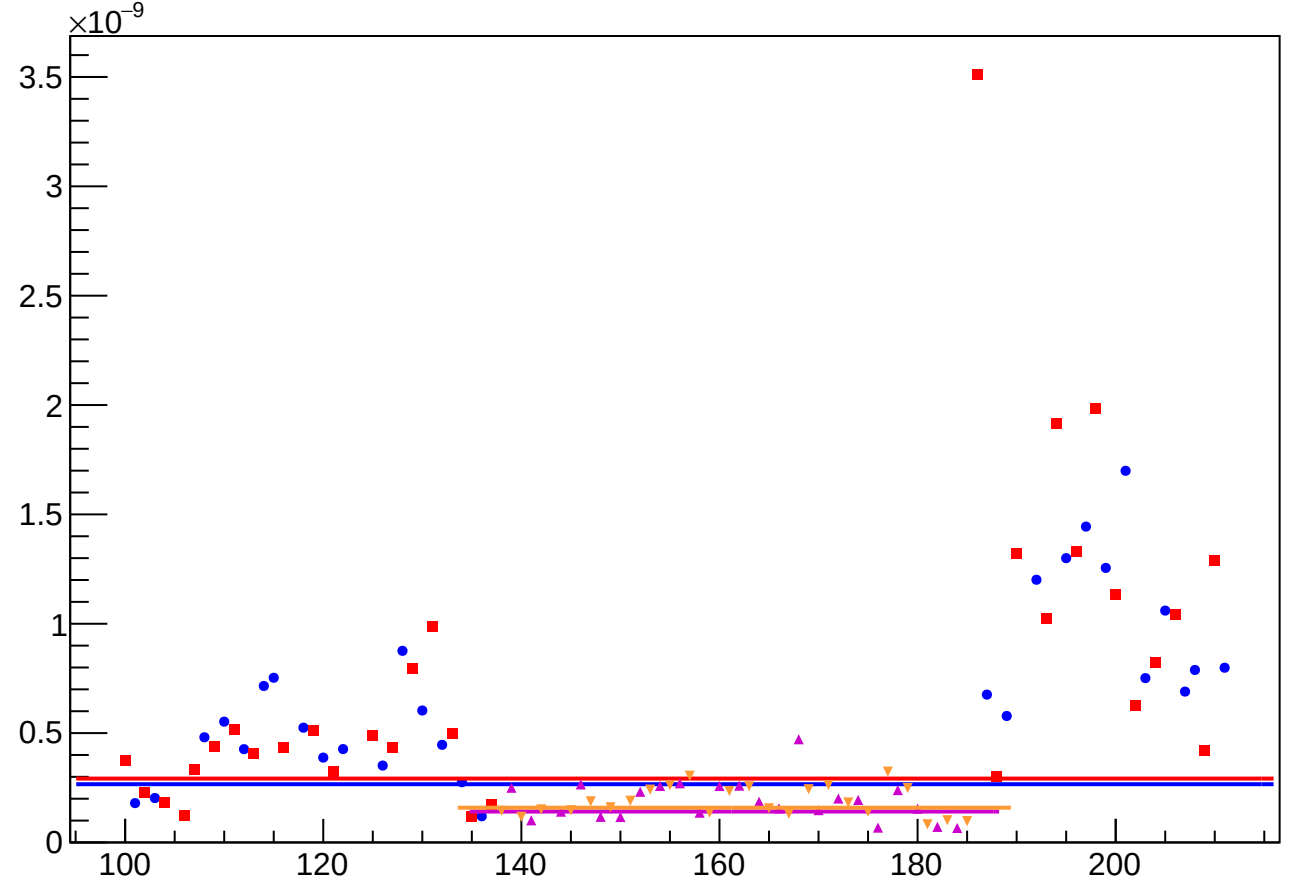
Left In: 10646.477+/-1.791 χ^2/NDF:1114064.0/22

+ sign 10562.202+/-1.290 χ^2/NDF: 2691166.1/51

All: 10299.138+/-0.895 χ^2/NDF: 8519998.3/1

- sign 10055.146+/-1.243 χ^2/NDF: 5748700.1/53


asym_us_avg_at2lr_avg_avg_reg_vs_cor_diff_mean vs Slug
×10^−12
12
10
8
6
4
2
0
−2
−4
−6
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 23.0/27
Left Out: 0.000+/-0.000 χ²/NDF:26.3/23
Right Out: -0.000+/-0.000 χ²/NDF: 26.0/30
Left In: 0.000+/-0.000 χ²/NDF:27.9/22
+ sign 0.000+/-0.000 χ²/NDF: 49.7/51
All: 0.000+/-0.000 χ²/NDF: 104.1/105
- sign 0.000+/-0.000 χ²/NDF: 54.5/53



Right In: 0.000+/-0.000 χ^2/NDF: 6243182.5/27

Left Out: 0.000+/-0.000 χ^2/NDF:1297018.7/23

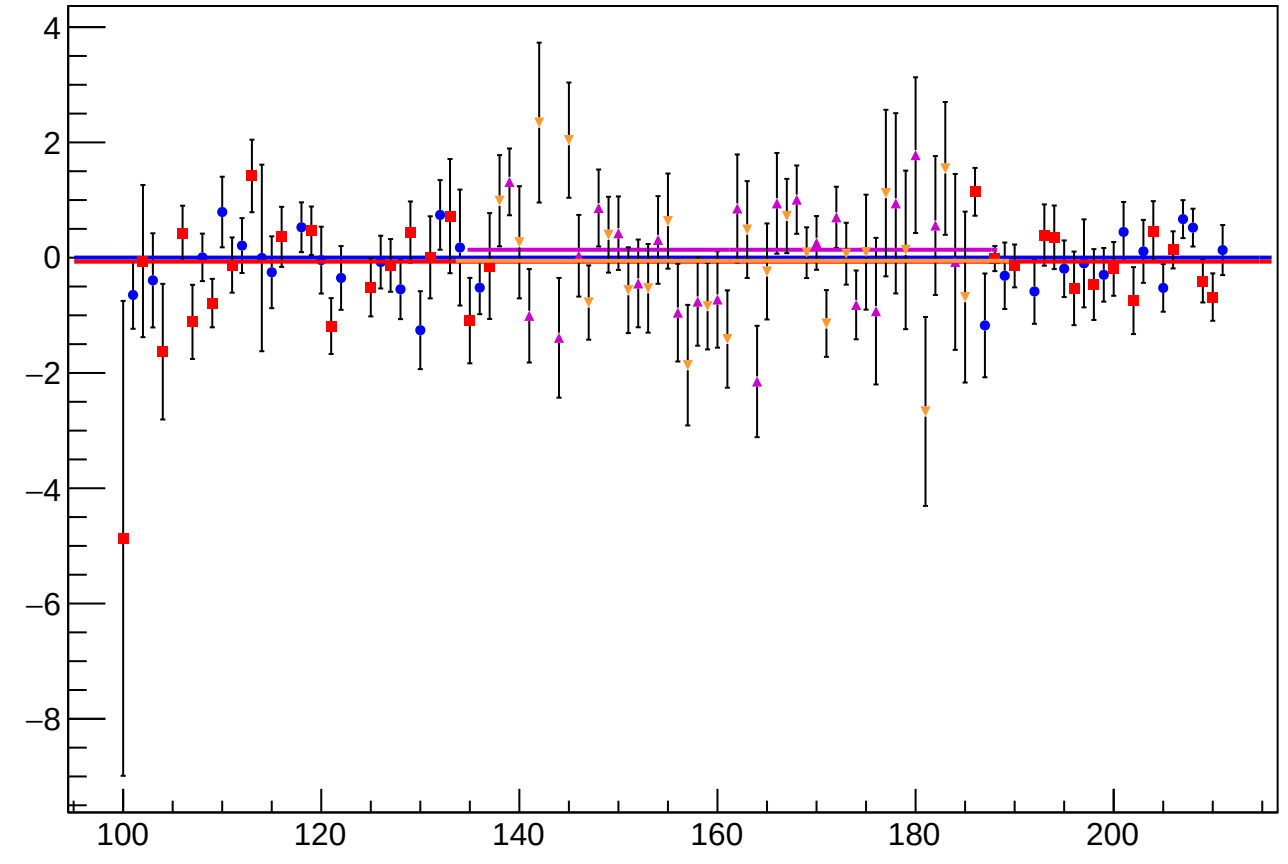
Right Out: 0.000+/-0.000 χ^2/NDF: 6351454.9/30

Left In: 0.000+/-0.000 χ^2/NDF:2396288.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 8557889.1/51

All: 0.000+/-0.000 χ^2/NDF: 19226429.0/105

- sign 0.000+/-0.000 χ^2/NDF: 10597902.5/53



Right In: 0.002+/-0.097 χ^2/NDF: 25.6/27

Left Out: -0.053+/-0.161 χ^2/NDF:30.1/23

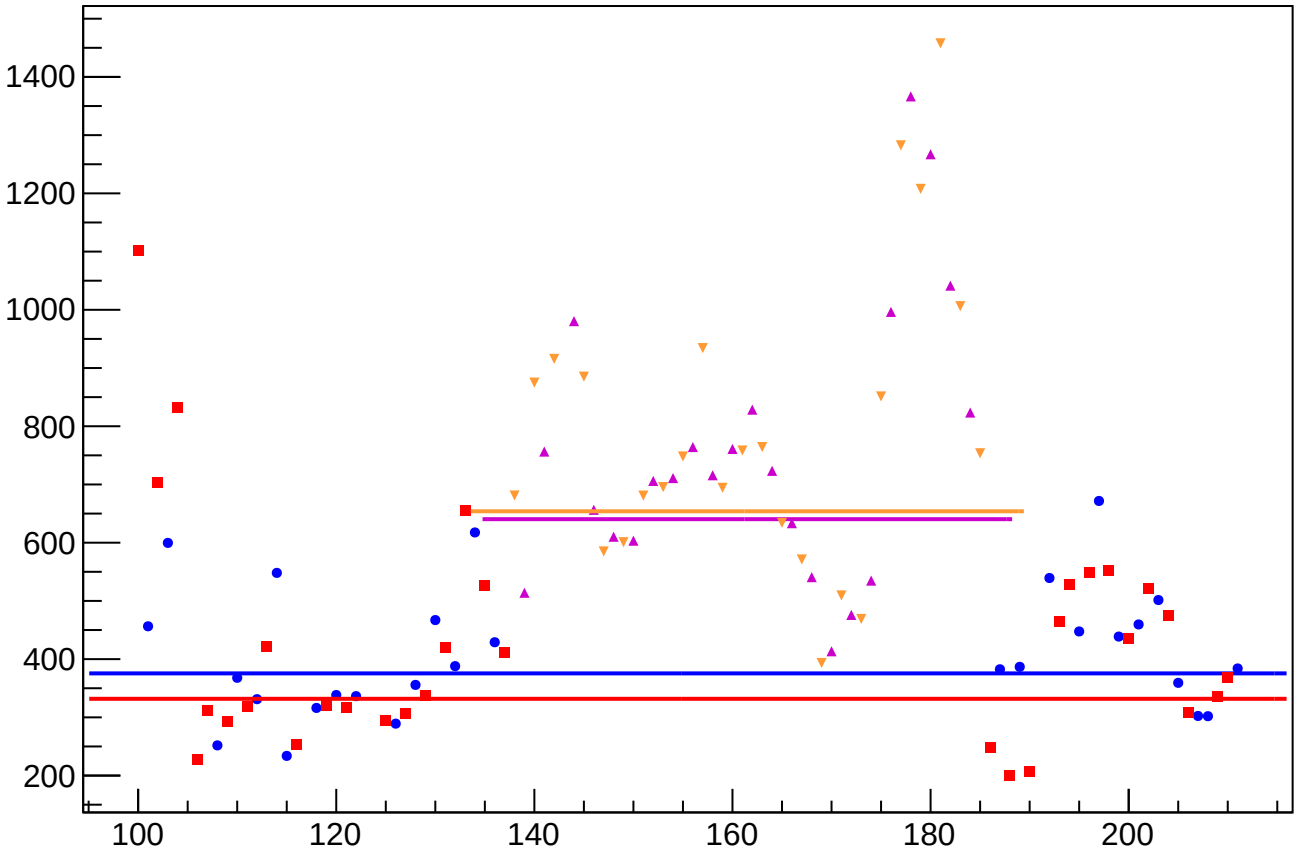
Right Out: -0.069+/-0.087 χ^2/NDF: 44.1/30

Left In: 0.138+/-0.158 χ^2/NDF:30.0/22

+ sign -0.013+/-0.083 χ^2/NDF: 55.8/51

All: -0.017+/-0.056 χ^2/NDF: 131.3/105

- sign -0.021+/-0.076 χ^2/NDF: 75.4/53



Right In: 375.517+/-0.069 χ^2/NDF: 1736772.2/27

Left Out: 653.930+/-0.114 χ^2/NDF:3124472.6/23

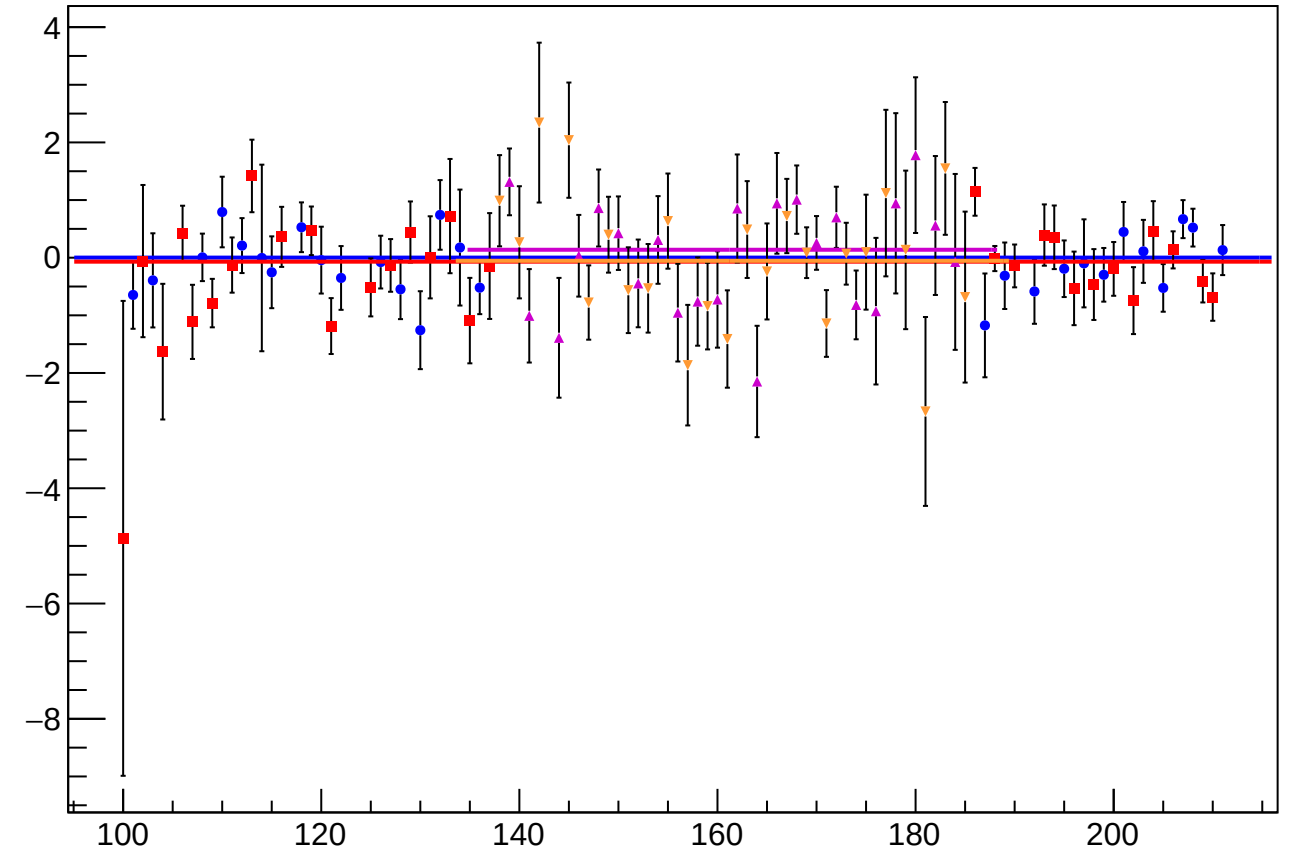
Right Out: 331.853+/-0.061 χ^2/NDF: 3606907.4/30

Left In: 640.392+/-0.112 χ^2/NDF:2647967.4/22

+ sign 449.746+/-0.059 χ^2/NDF: 9229703.2/51

All: 424.494+/-0.040 χ^2/NDF: 21688452.2/10

- sign 403.450+/-0.054 χ^2/NDF: 12121798.8/53



Right In: 0.002+/-0.097 χ^2/NDF: 25.6/27

Left Out: -0.053+/-0.161 χ^2/NDF:30.1/23

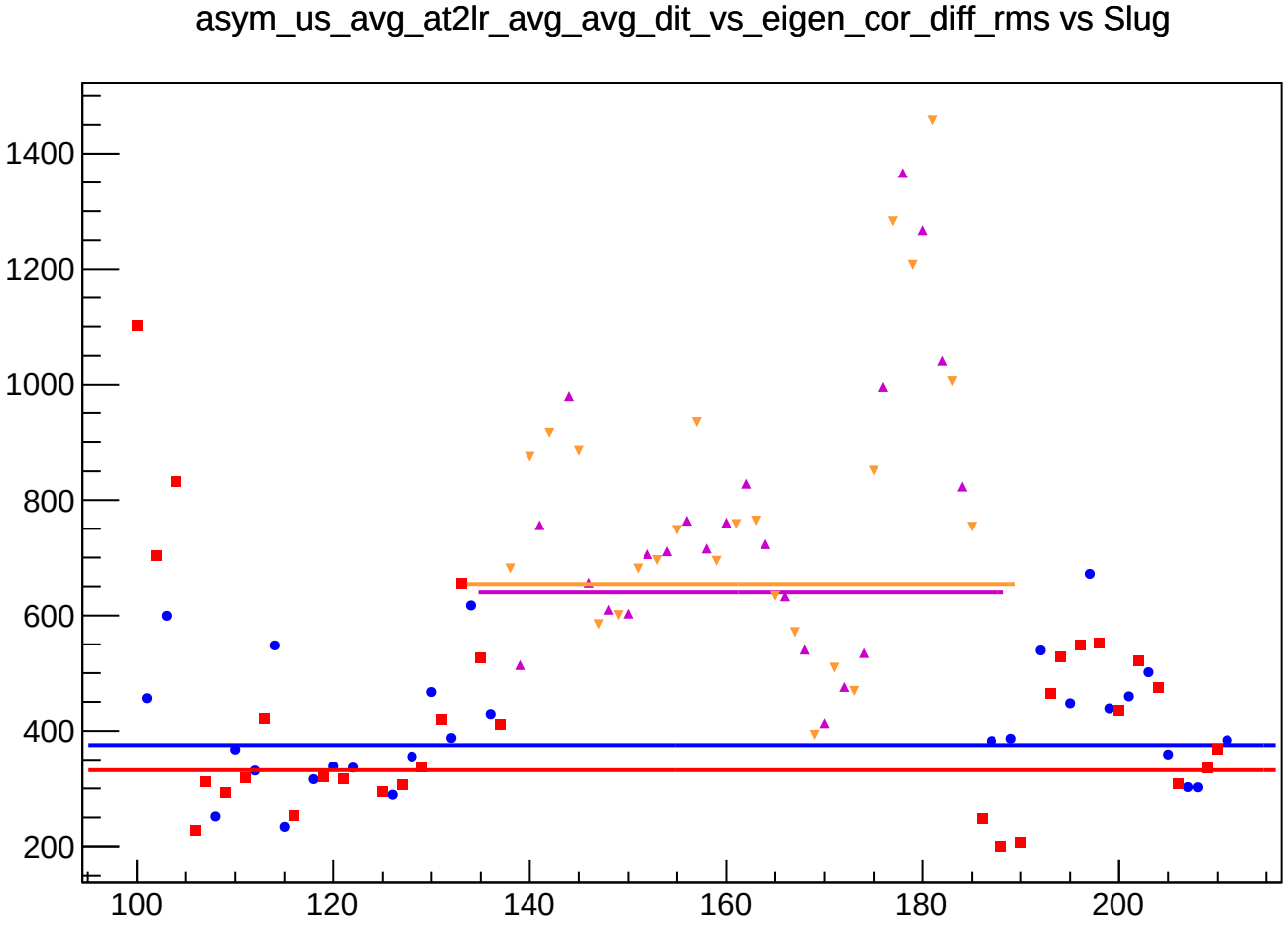
Right Out: -0.069+/-0.087 χ^2/NDF: 44.1/30

Left In: 0.138+/-0.158 χ^2/NDF:30.0/22

+ sign -0.013+/-0.083 χ^2/NDF: 55.8/51

All: -0.017+/-0.056 χ^2/NDF: 131.3/105

- sign -0.021+/-0.076 χ^2/NDF: 75.4/53



Right In: 375.517+/-0.069 χ^2/NDF: 1736772.2/27

Left Out: 653.930+/-0.114 χ^2/NDF:3124472.6/23

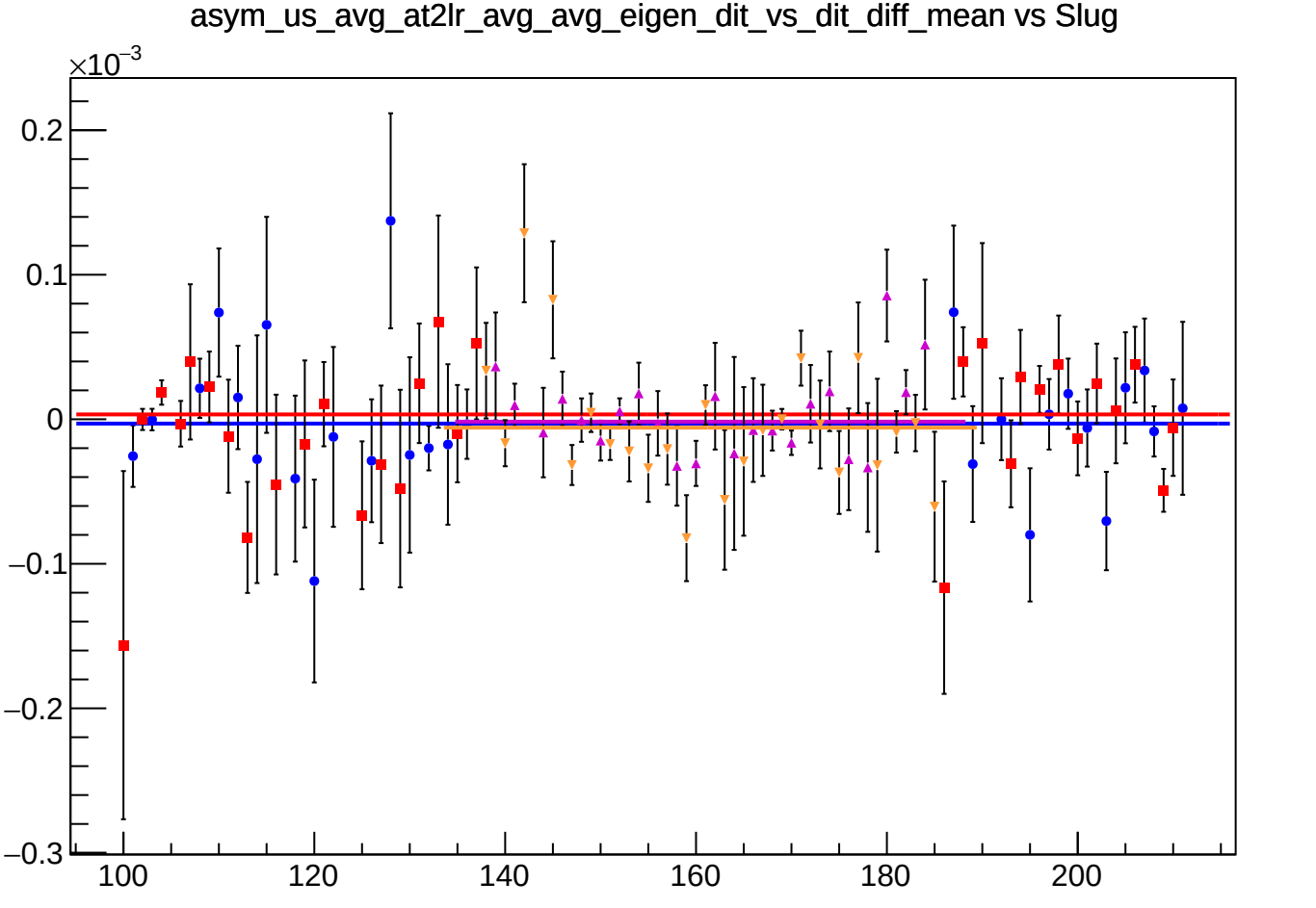
Right Out: 331.853+/-0.061 χ^2/NDF: 3606907.4/30

Left In: 640.392+/-0.112 χ^2/NDF:2647967.4/22

+ sign 449.746+/-0.059 χ^2/NDF: 9229703.2/51

All: 424.494+/-0.040 χ^2/NDF: 21688452.2/10

- sign 403.450+/-0.054 χ^2/NDF: 12121798.8/53



Right In: -0.000+/-0.000 χ^2/NDF: 26.3/27

Left Out: -0.000+/-0.000 χ^2/NDF:42.6/23

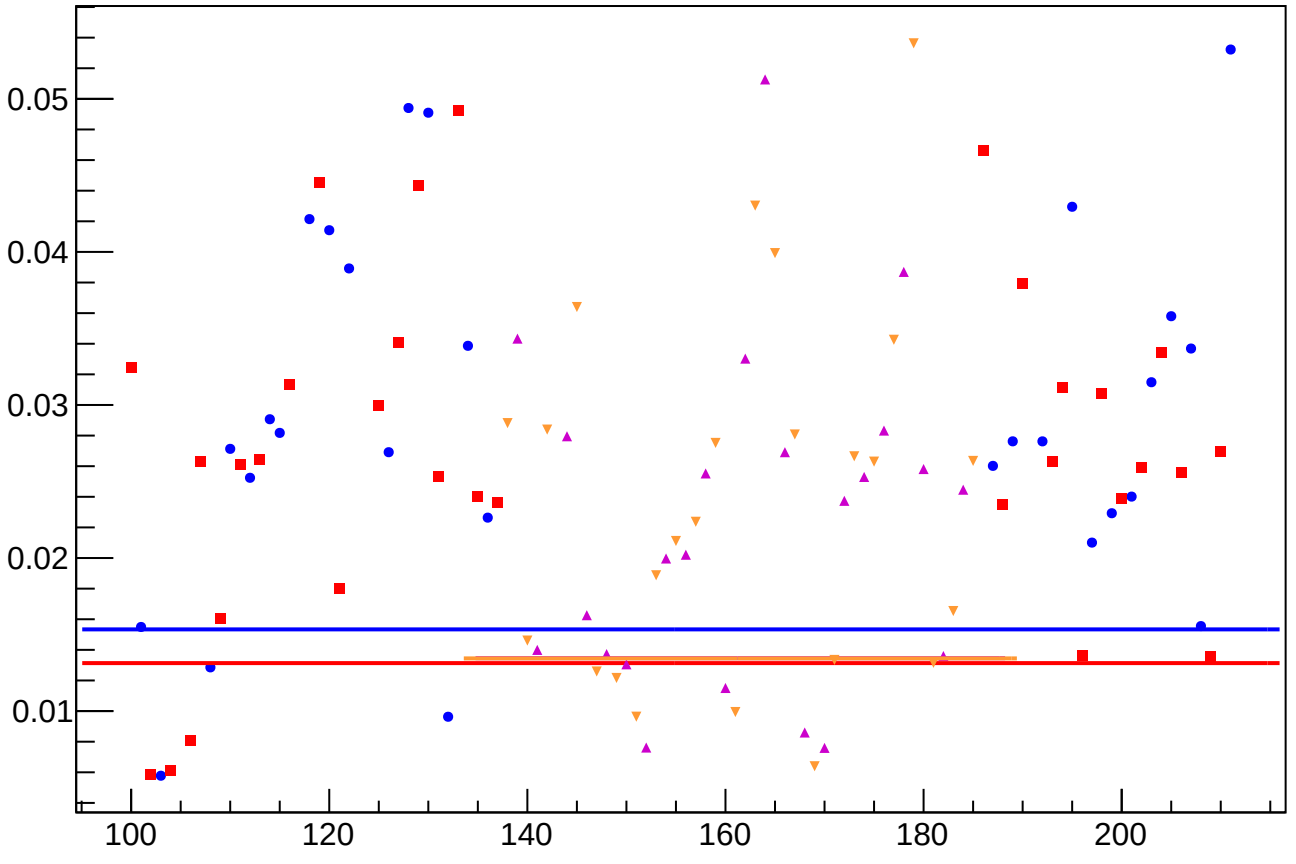
Right Out: 0.000+/-0.000 χ^2/NDF: 42.1/30

Left In: -0.000+/-0.000 χ^2/NDF:25.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 69.1/51

All: -0.000+/-0.000 χ^2/NDF: 139.5/105

- sign 0.000+/-0.000 χ^2/NDF: 68.6/53



Right In: 0.015+/-0.000 χ^2/NDF: 10697985.0/27

Left Out: 0.013+/-0.000 χ^2/NDF:8856192.5/23

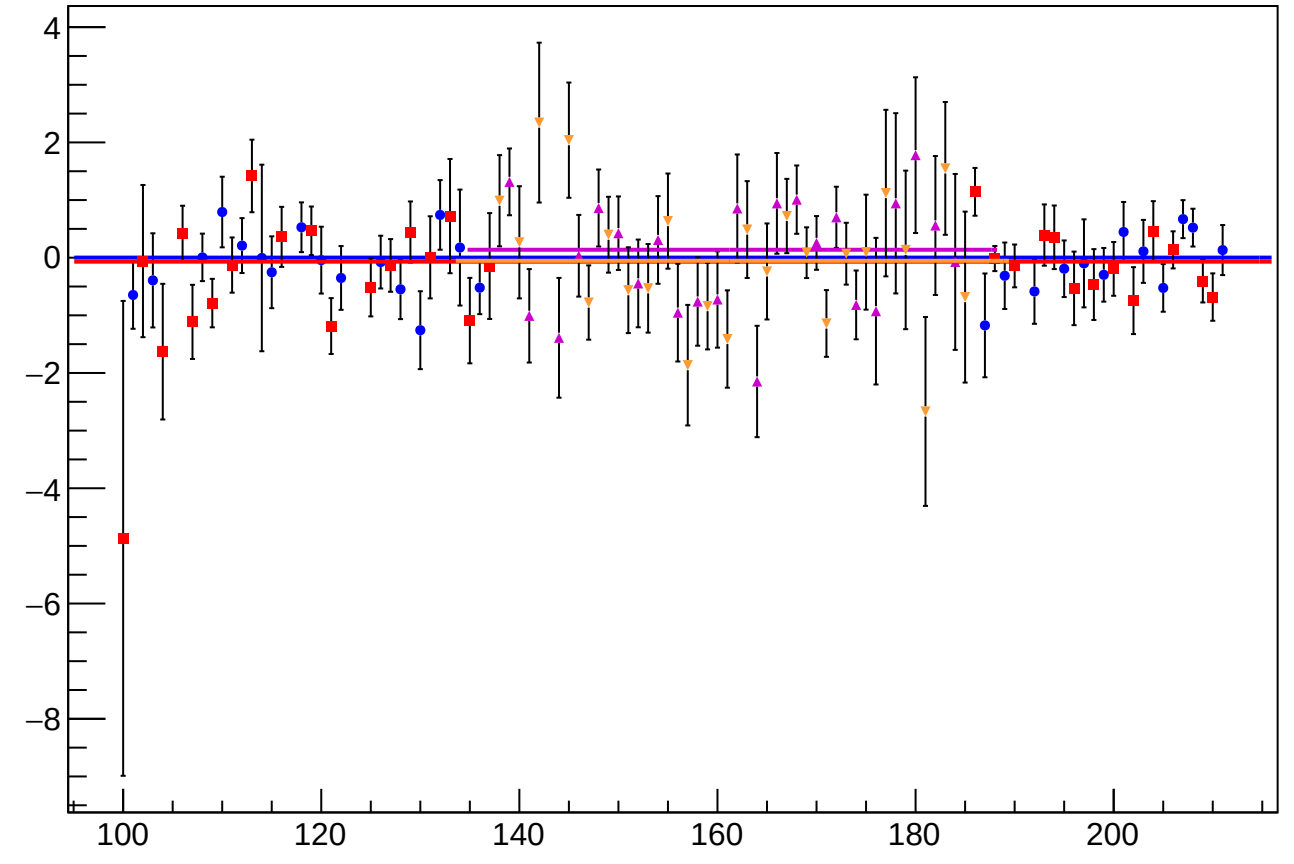
Right Out: 0.013+/-0.000 χ^2/NDF: 11708419.3/30

Left In: 0.013+/-0.000 χ^2/NDF:7548263.6/22

+ sign 0.014+/-0.000 χ^2/NDF: 19755681.9/51

All: 0.014+/-0.000 χ^2/NDF: 39114822.4/105

- sign 0.013+/-0.000 χ^2/NDF: 19263660.3/53



Right In: 0.002+/-0.097 χ^2/NDF: 25.6/27

Left Out: -0.053+/-0.161 χ^2/NDF:30.1/23

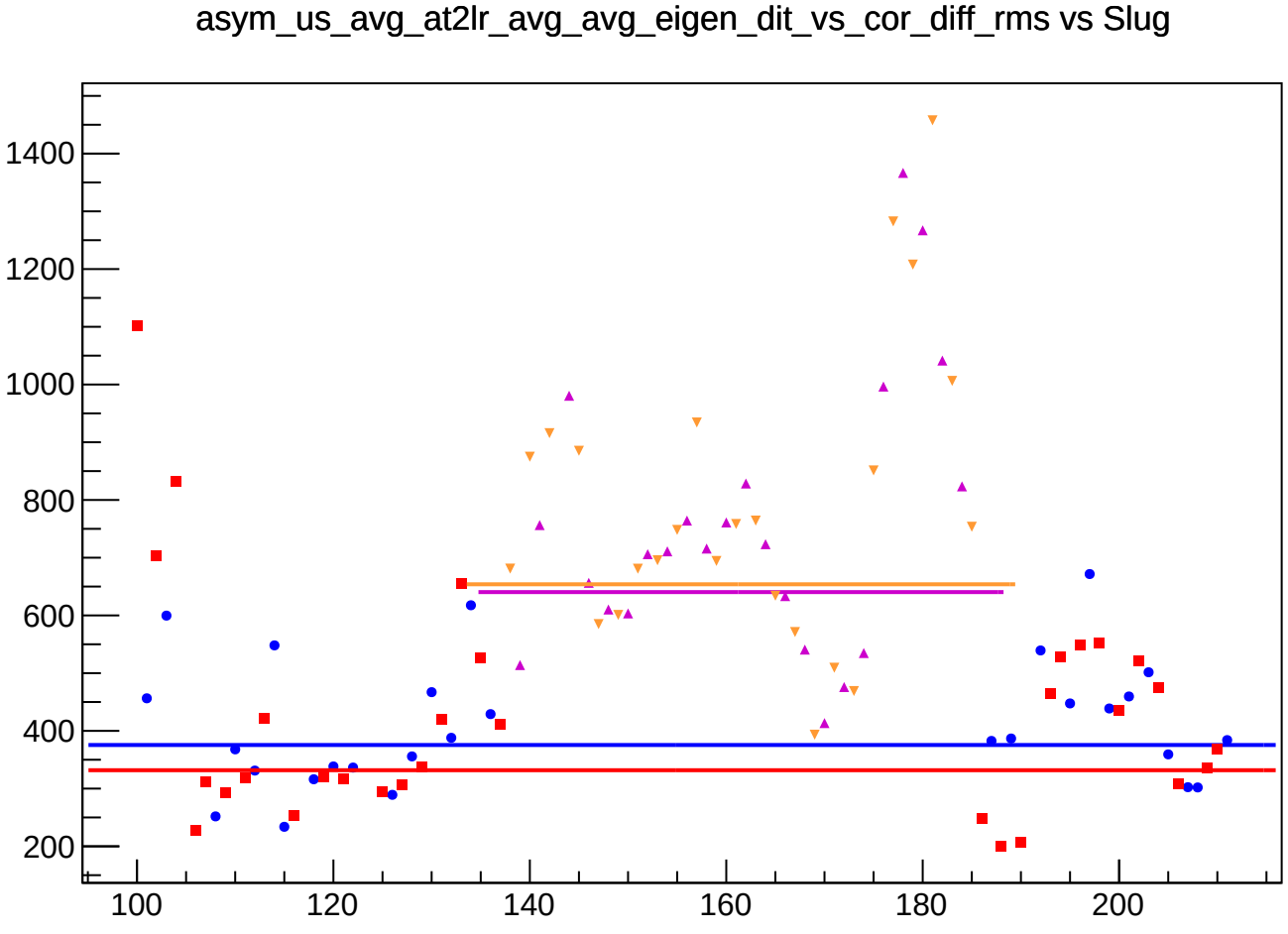
Right Out: -0.069+/-0.087 χ^2/NDF: 44.1/30

Left In: 0.138+/-0.158 χ^2/NDF:30.0/22

+ sign -0.013+/-0.083 χ^2/NDF: 55.8/51

All: -0.017+/-0.056 χ^2/NDF: 131.3/105

- sign -0.021+/-0.076 χ^2/NDF: 75.4/53



Right In: 375.518+/-0.069 χ^2/NDF: 1736751.1/27

Left Out: 653.930+/-0.114 χ^2/NDF:3124692.9/23

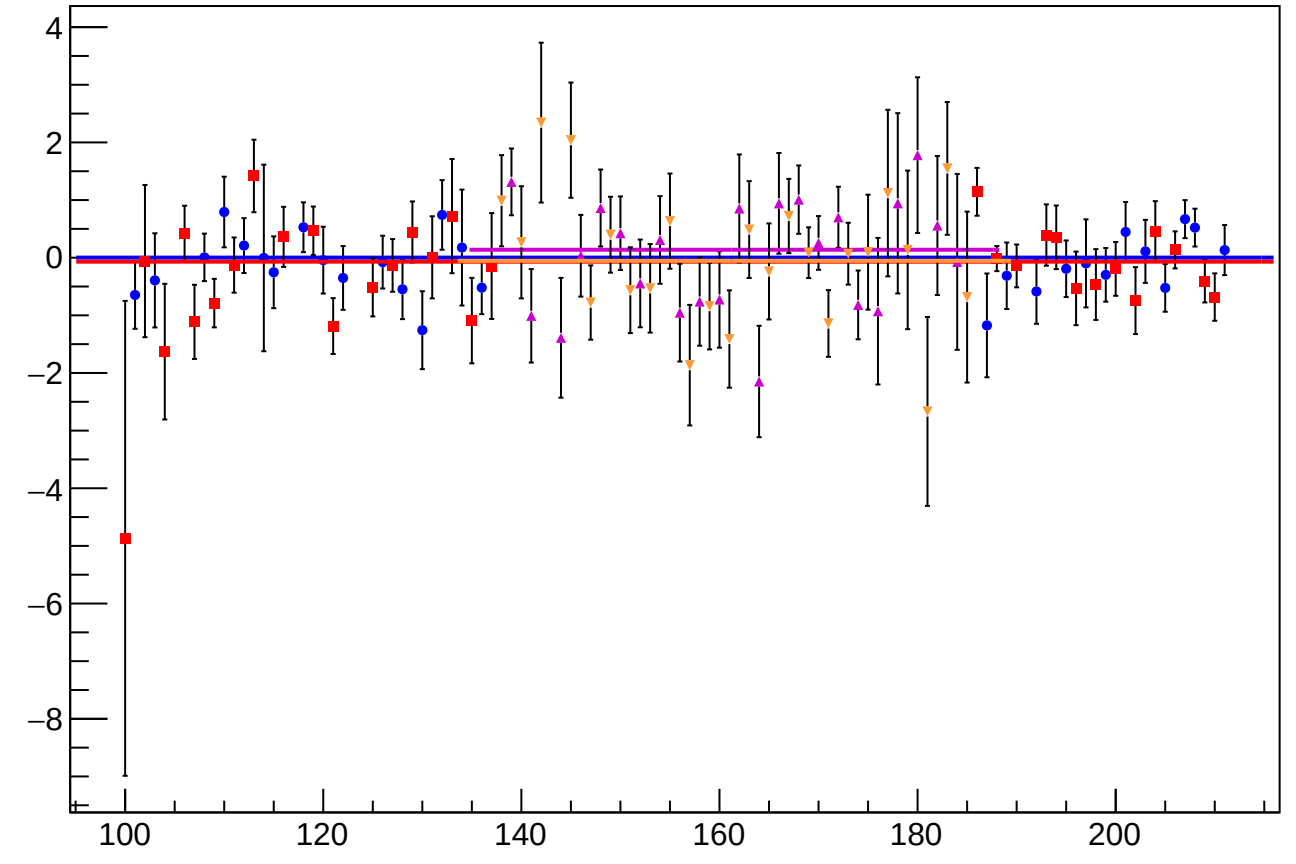
Right Out: 331.848+/-0.061 χ^2/NDF: 3607118.8/30

Left In: 640.395+/-0.112 χ^2/NDF:2648118.2/22

+ sign 449.746+/-0.059 χ^2/NDF: 9229854.1/51

All: 424.491+/-0.040 χ^2/NDF: 21689339.8/10

- sign 403.444+/-0.054 χ^2/NDF: 12122444.5/53



Right In: 0.002+/-0.097 χ^2/NDF: 25.6/27

Left Out: -0.053+/-0.161 χ^2/NDF:30.1/23

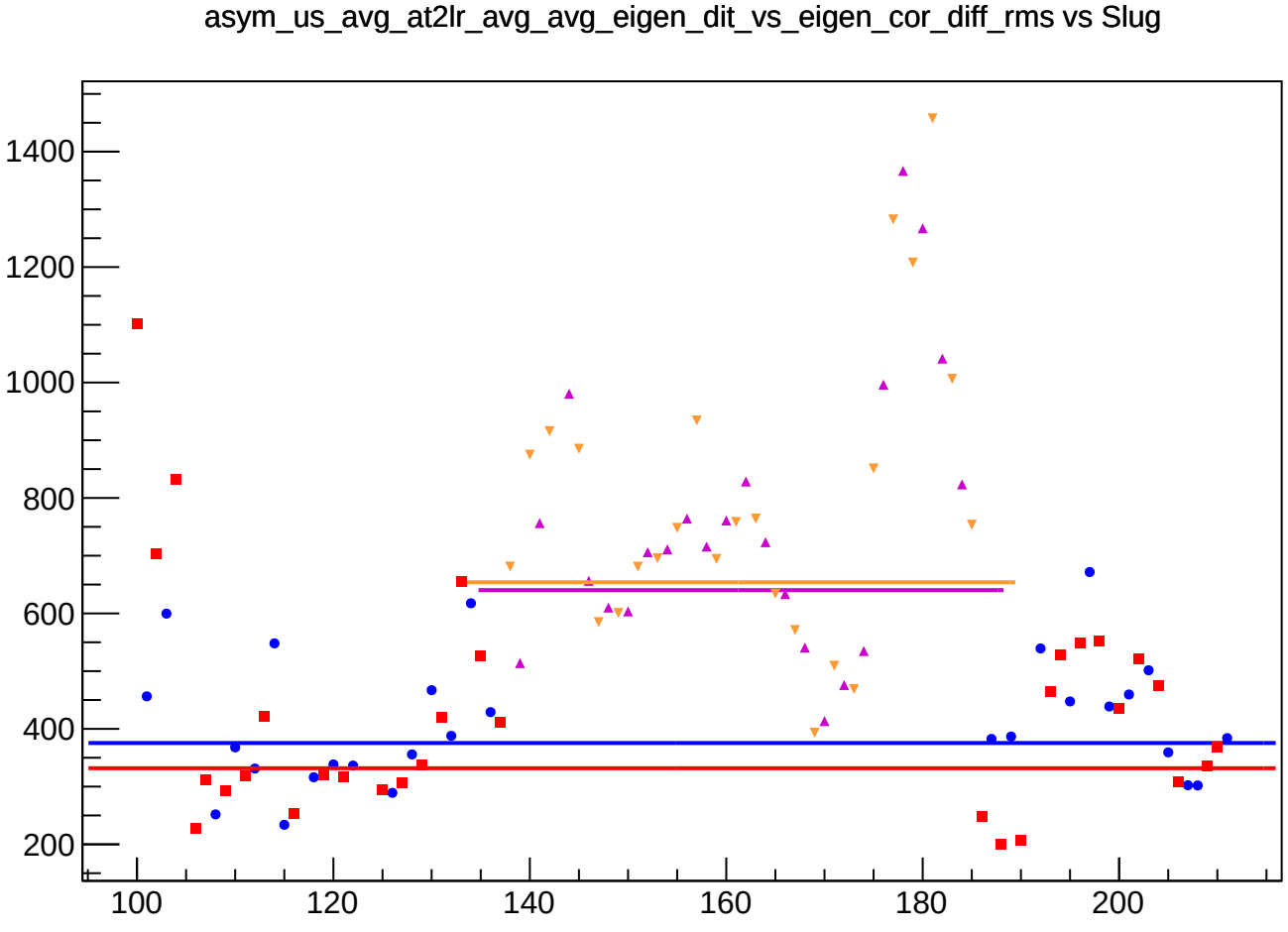
Right Out: -0.069+/-0.087 χ^2/NDF: 44.1/30

Left In: 0.138+/-0.158 χ^2/NDF:30.0/22

+ sign -0.013+/-0.083 χ^2/NDF: 55.8/51

All: -0.017+/-0.056 χ^2/NDF: 131.3/105

- sign -0.021+/-0.076 χ^2/NDF: 75.4/53



Right In: 375.518+/-0.069 χ^2/NDF: 1736751.1/27

Left Out: 653.930+/-0.114 χ^2/NDF:3124692.9/23

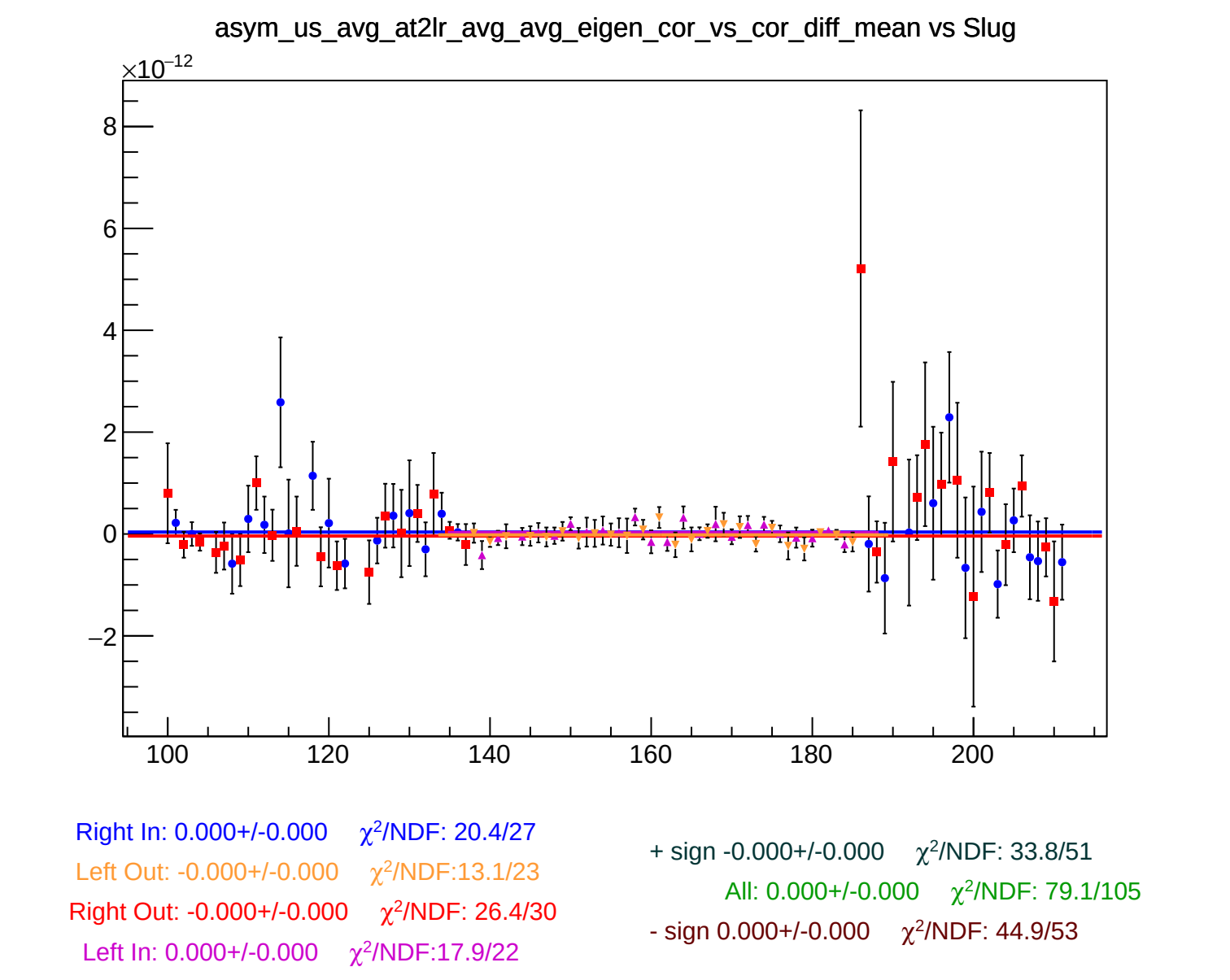
Right Out: 331.848+/-0.061 χ^2/NDF: 3607118.8/30

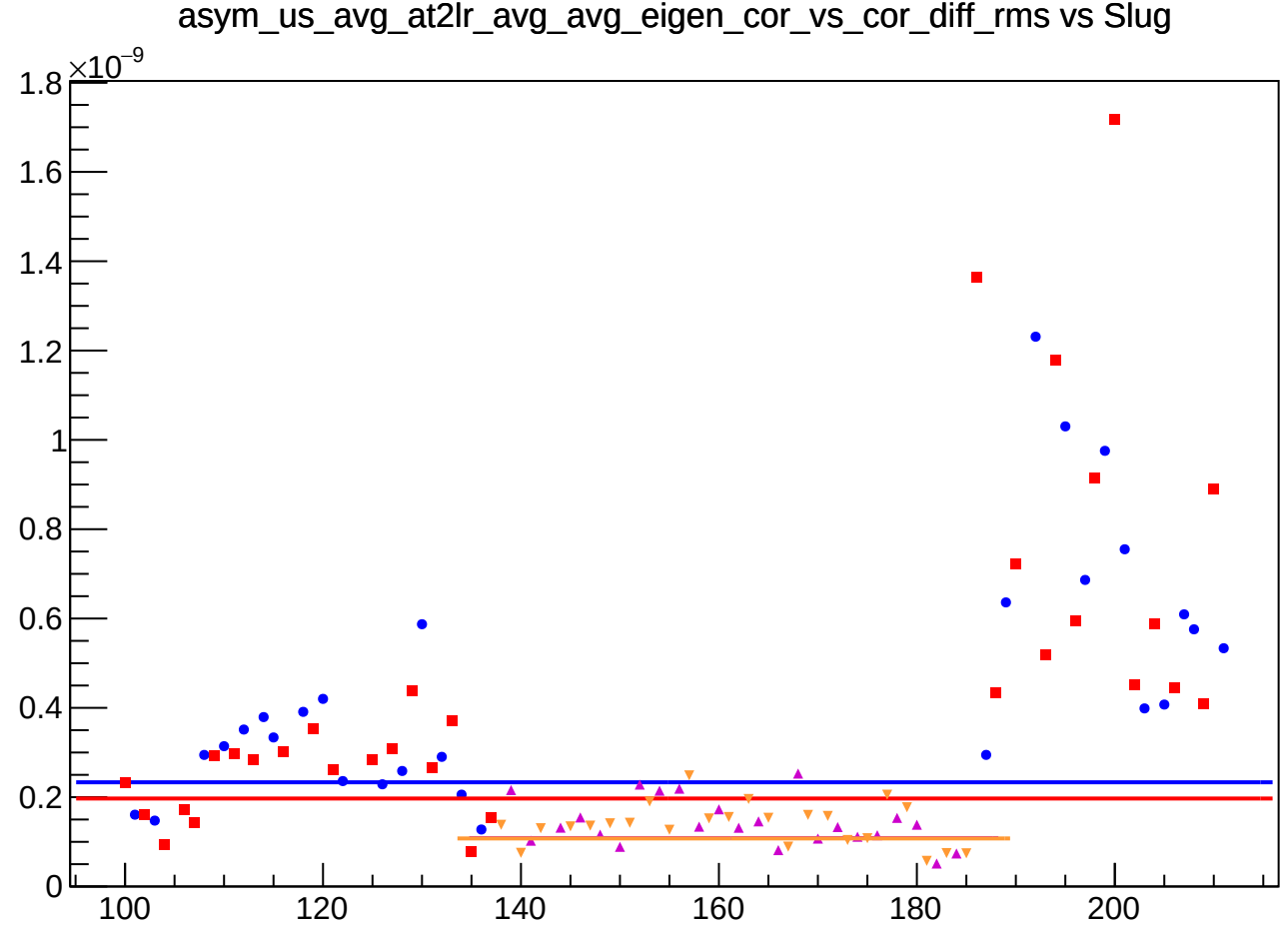
Left In: 640.395+/-0.112 χ^2/NDF:2648118.2/22

+ sign 449.746+/-0.059 χ^2/NDF: 9229854.1/51

All: 424.491+/-0.040 χ^2/NDF: 21689339.8/10

- sign 403.444+/-0.054 χ^2/NDF: 12122444.5/53


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
Right In: 0.000+/-0.000 χ²/NDF: 20.4/27
Left Out: -0.000+/-0.000 χ²/NDF:13.1/23
Right Out: -0.000+/-0.000 χ²/NDF: 26.4/30
Left In: 0.000+/-0.000 χ²/NDF:17.9/22
+ sign -0.000+/-0.000 χ²/NDF: 33.8/51
All: 0.000+/-0.000 χ²/NDF: 79.1/105
- sign 0.000+/-0.000 χ²/NDF: 44.9/53



Right In: 0.000+/-0.000 χ^2/NDF: 6392417.7/27

Left Out: 0.000+/-0.000 χ^2/NDF:3452023.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 8278514.1/30

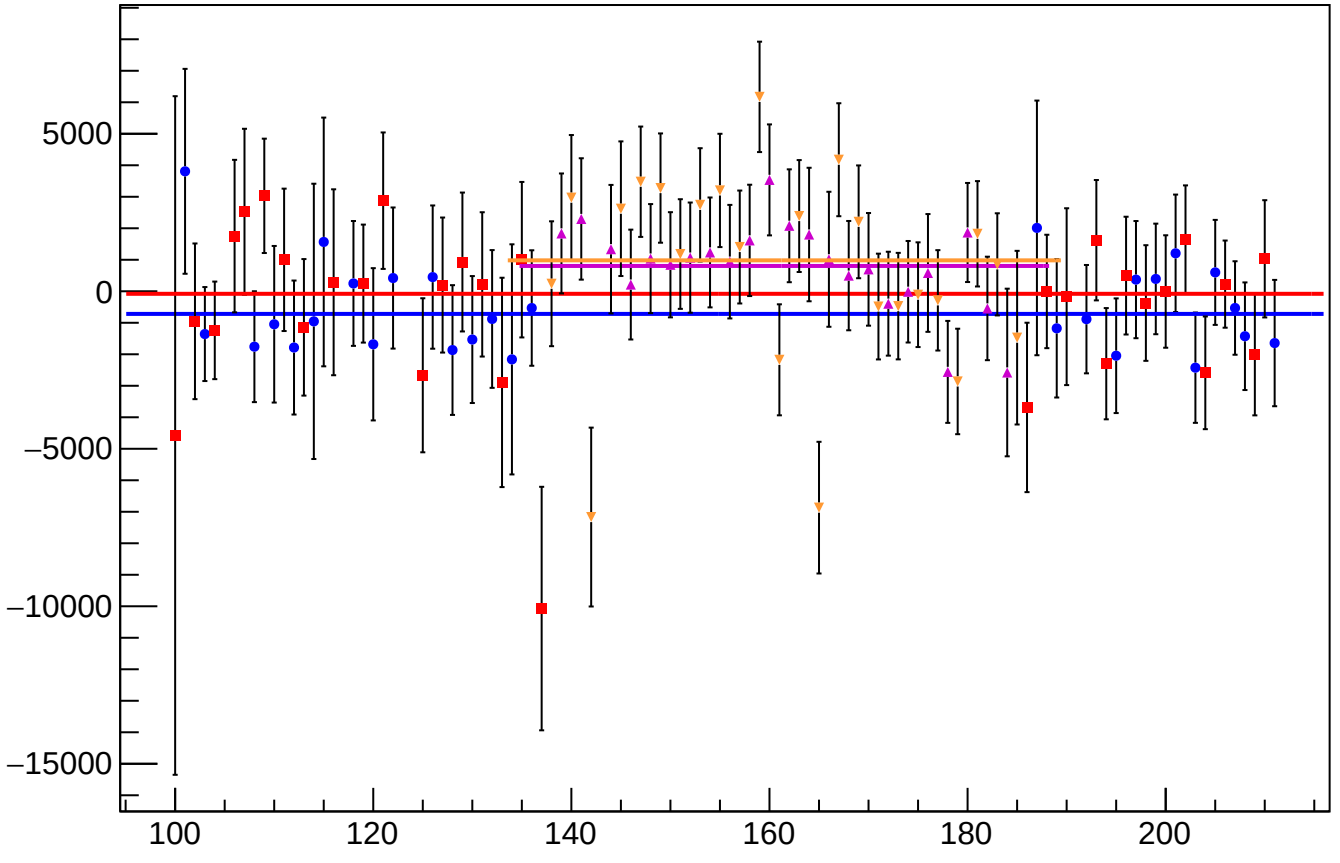
Left In: 0.000+/-0.000 χ^2/NDF:3869719.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 13253356.3/51

All: 0.000+/-0.000 χ^2/NDF: 27461037.9/105

- sign 0.000+/-0.000 χ^2/NDF: 14206138.8/53

reg_asym_us_avg_at2lr_avg_dd_mean vs Slug



Right In: -718.437+/-383.777 χ^2/NDF: 9.5/27

Left Out: 981.627+/-370.843 χ^2/NDF:55.5/23

Right Out: -80.426+/-374.644 χ^2/NDF: 25.3/30

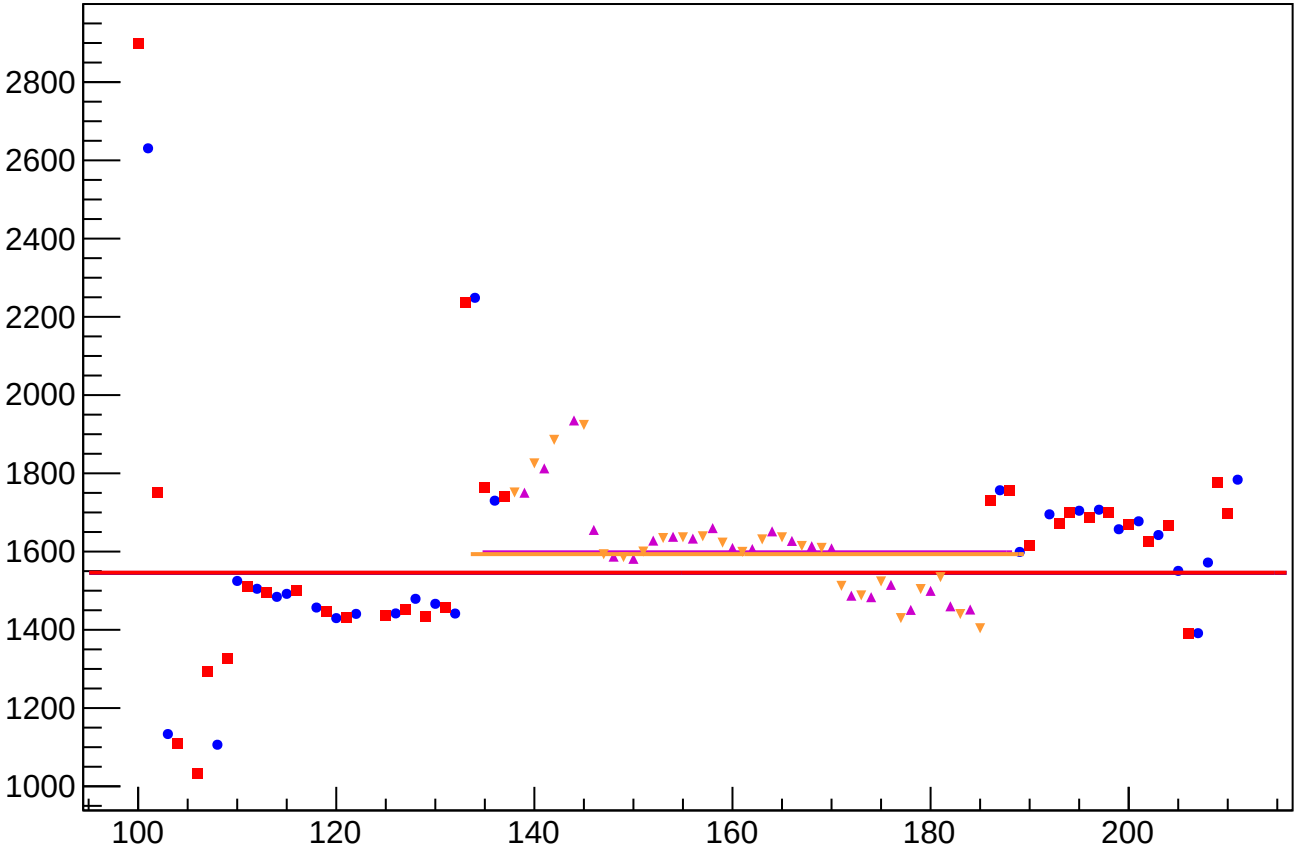
Left In: 803.908+/-374.066 χ^2/NDF:12.4/22

\+ sign 160.725+/-266.681 χ^2/NDF: 75.2/51

All: 262.323+/-187.871 χ^2/NDF: 116.0/105

\- sign 362.424+/-264.709 χ^2/NDF: 40.6/53

reg_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1545.440+/-0.271 χ^2/NDF: 749116.9/27

Left Out: 1593.482+/-0.262 χ^2/NDF:187613.7/23

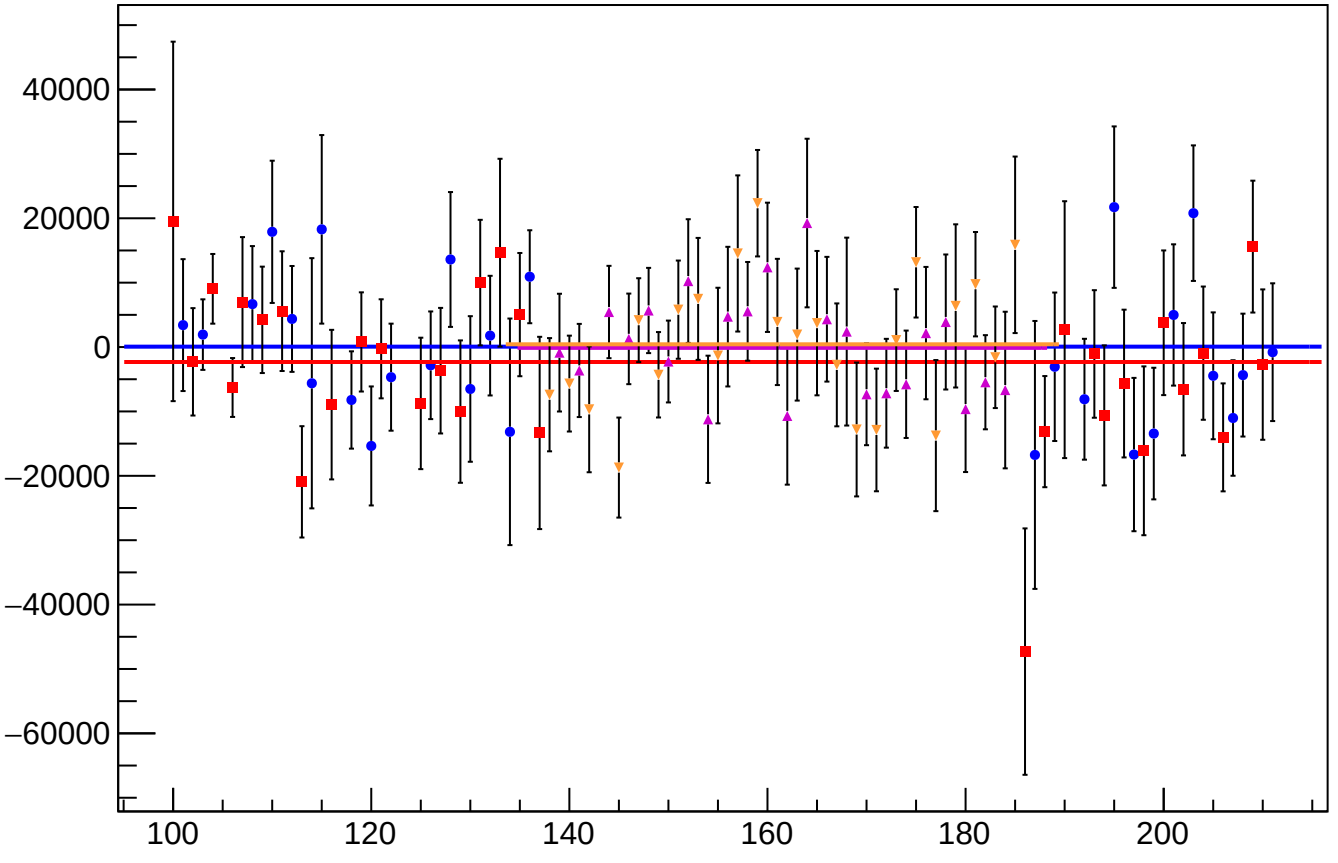
Right Out: 1546.038+/-0.264 χ^2/NDF: 681184.3/30

Left In: 1598.119+/-0.265 χ^2/NDF:169157.7/22

+ sign 1570.284+/-0.189 χ^2/NDF: 952937.9/51

All: 1571.164+/-0.133 χ^2/NDF: 1822744.9/10

- sign 1572.028+/-0.187 χ^2/NDF: 869763.9/53



Right In: 61.715+/-1830.748 χ^2/NDF: 28.8/27

Left Out: 426.701+/-1819.878 χ^2/NDF:29.4/23

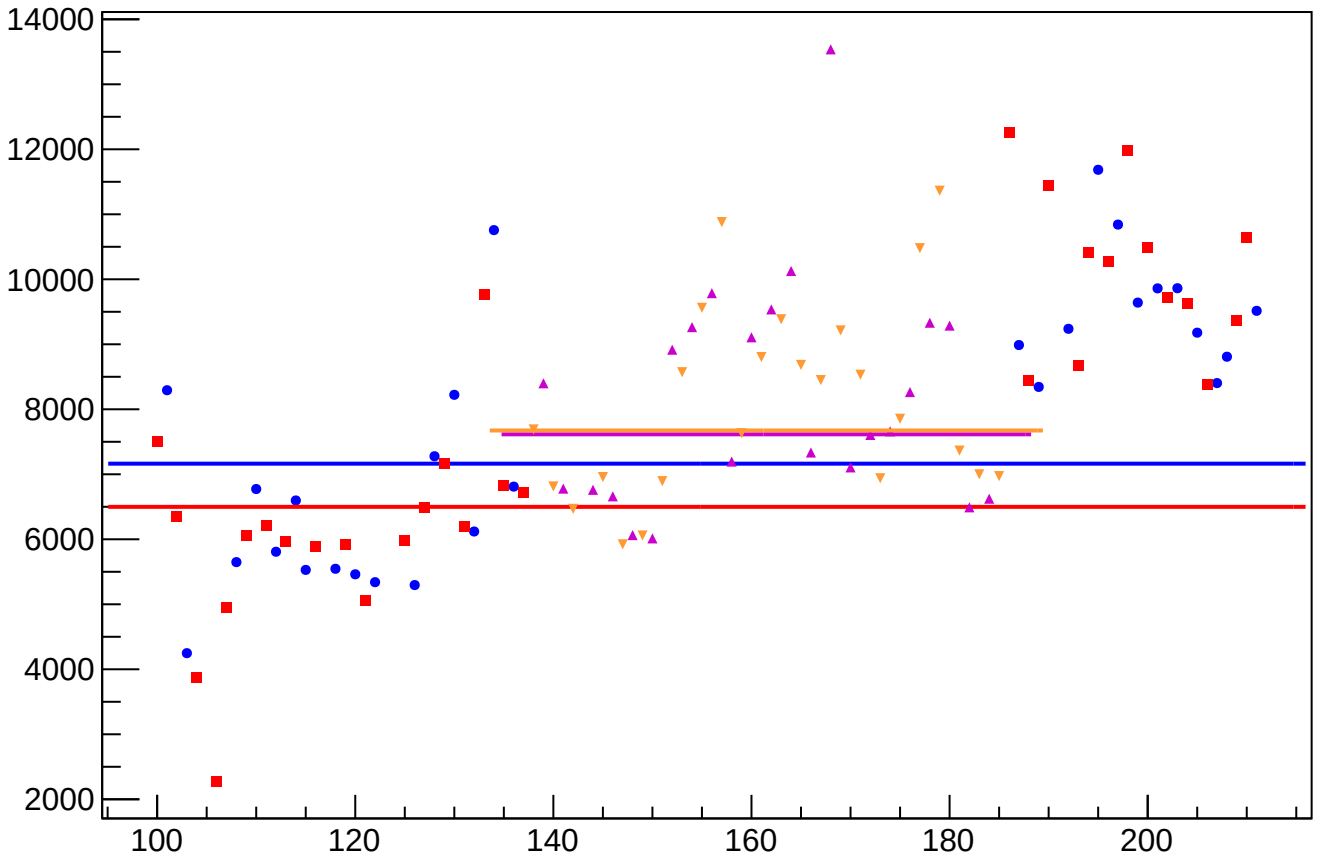
Right Out: -2322.461+/-1676.741 χ^2/NDF: 32.6/30

Left In: -126.369+/-1814.830 χ^2/NDF:13.9/22

+ sign 245.295+/-1290.674 χ^2/NDF: 58.2/51

All: -569.376+/-891.011 χ^2/NDF: 106.2/105

- sign -1311.133+/-1231.563 χ^2/NDF: 47.2/53



Right In: 7163.361+/-1.295 χ^2/NDF: 2450276.3/27

Left Out: 7674.060+/-1.287 χ^2/NDF:1076713.7/23

Right Out: 6499.083+/-1.186 χ^2/NDF: 4917007.9/30

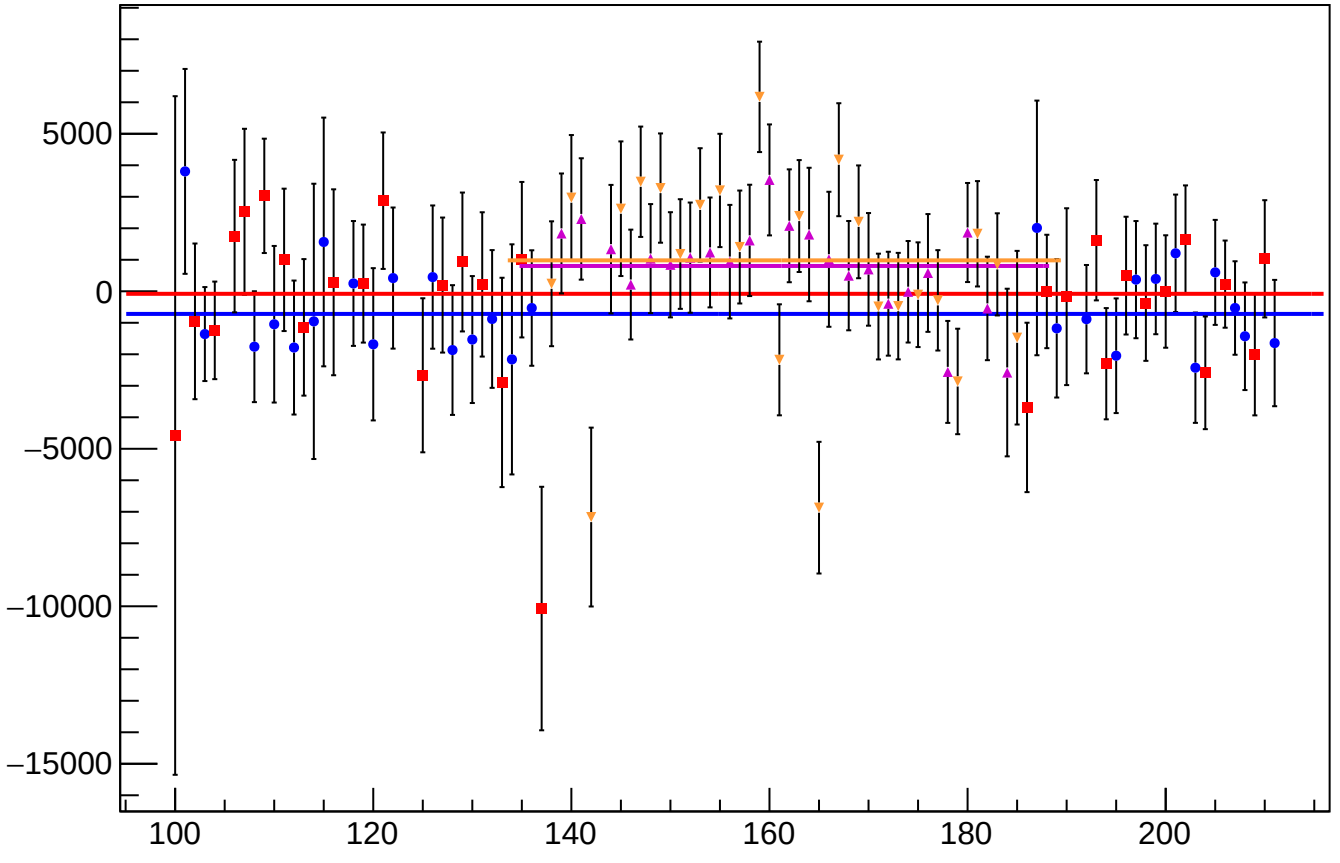
Left In: 7614.974+/-1.283 χ^2/NDF:1224520.2/22

+ sign 7420.231+/-0.913 χ^2/NDF: 3605270.1/51

All: 7207.058+/-0.630 χ^2/NDF: 10258958.9/1

- sign 7012.965+/-0.871 χ^2/NDF: 6549455.4/53

cor_asym_us_avg_at2lr_avg_dd_mean vs Slug



Right In: -718.487+/-383.777 χ^2/NDF: 9.5/27

Left Out: 981.712+/-370.843 χ^2/NDF:55.6/23

Right Out: -80.460+/-374.644 χ^2/NDF: 25.3/30

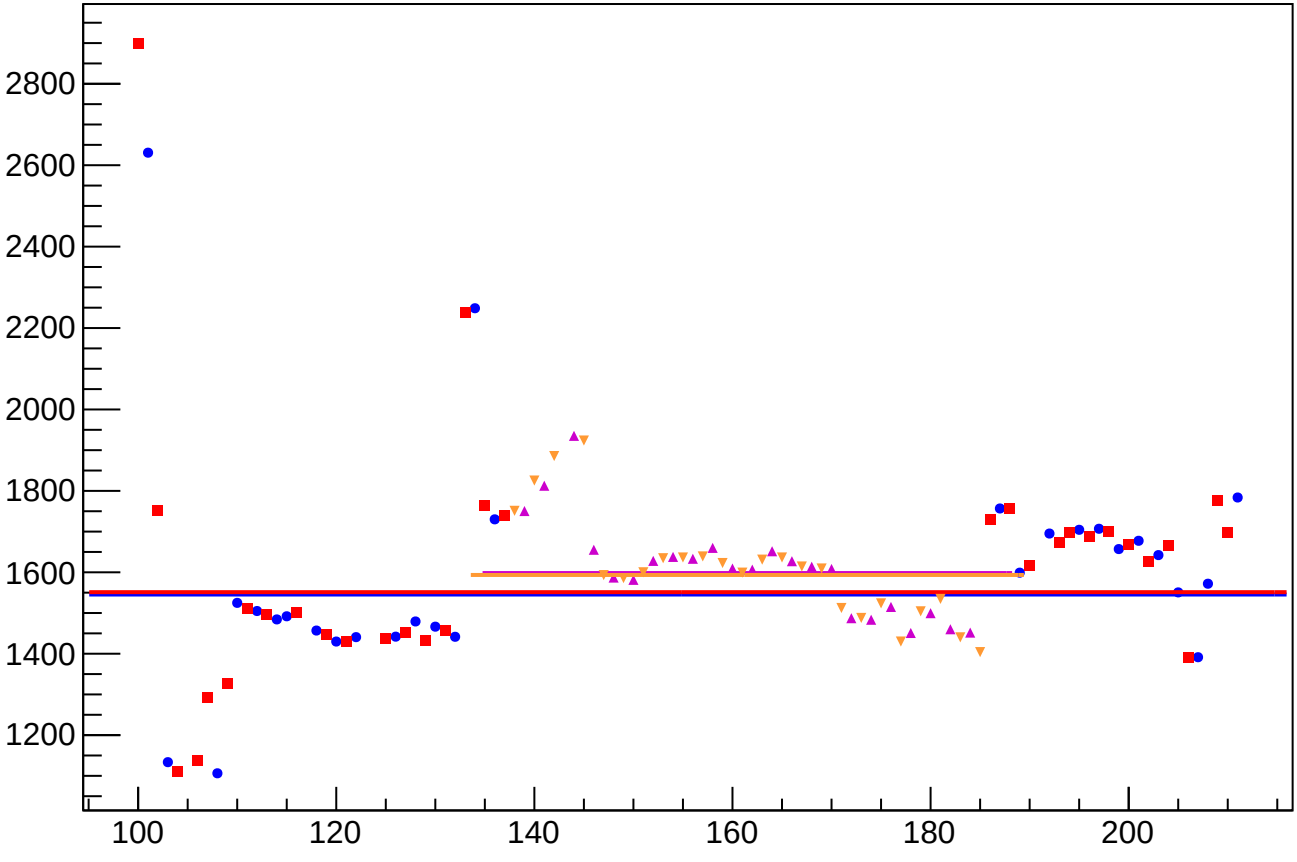
Left In: 803.783+/-374.066 χ^2/NDF:12.4/22

\+ sign 160.745+/-266.681 χ^2/NDF: 75.2/51

All: 262.293+/-187.871 χ^2/NDF: 116.0/105

\- sign 362.345+/-264.709 χ^2/NDF: 40.6/53

cor_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1545.440+/-0.271 χ^2/NDF: 749117.3/27

Left Out: 1593.482+/-0.262 χ^2/NDF:187613.7/23

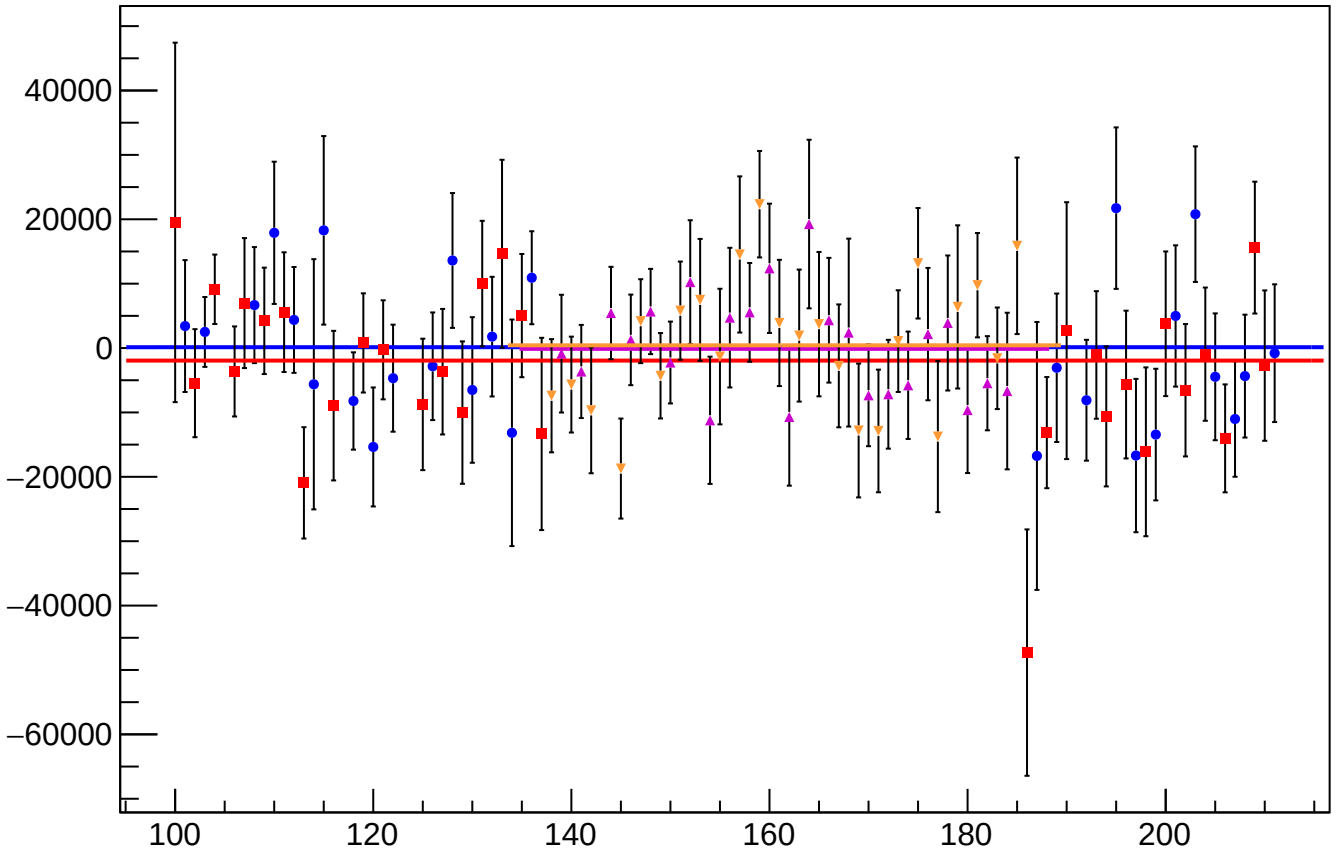
Right Out: 1551.209+/-0.265 χ^2/NDF: 627201.1/30

Left In: 1598.119+/-0.265 χ^2/NDF:169157.7/22

+ sign 1570.284+/-0.189 χ^2/NDF: 952938.3/51

All: 1572.497+/-0.133 χ^2/NDF: 1765289.3/10

- sign 1574.675+/-0.187 χ^2/NDF: 812077.8/53



Right In: 130.806+/-1828.765 χ^2/NDF: 28.9/27

Left Out: 426.702+/-1819.879 χ^2/NDF:29.4/23

Right Out: -1946.617+/-1745.174 χ^2/NDF: 32.1/30

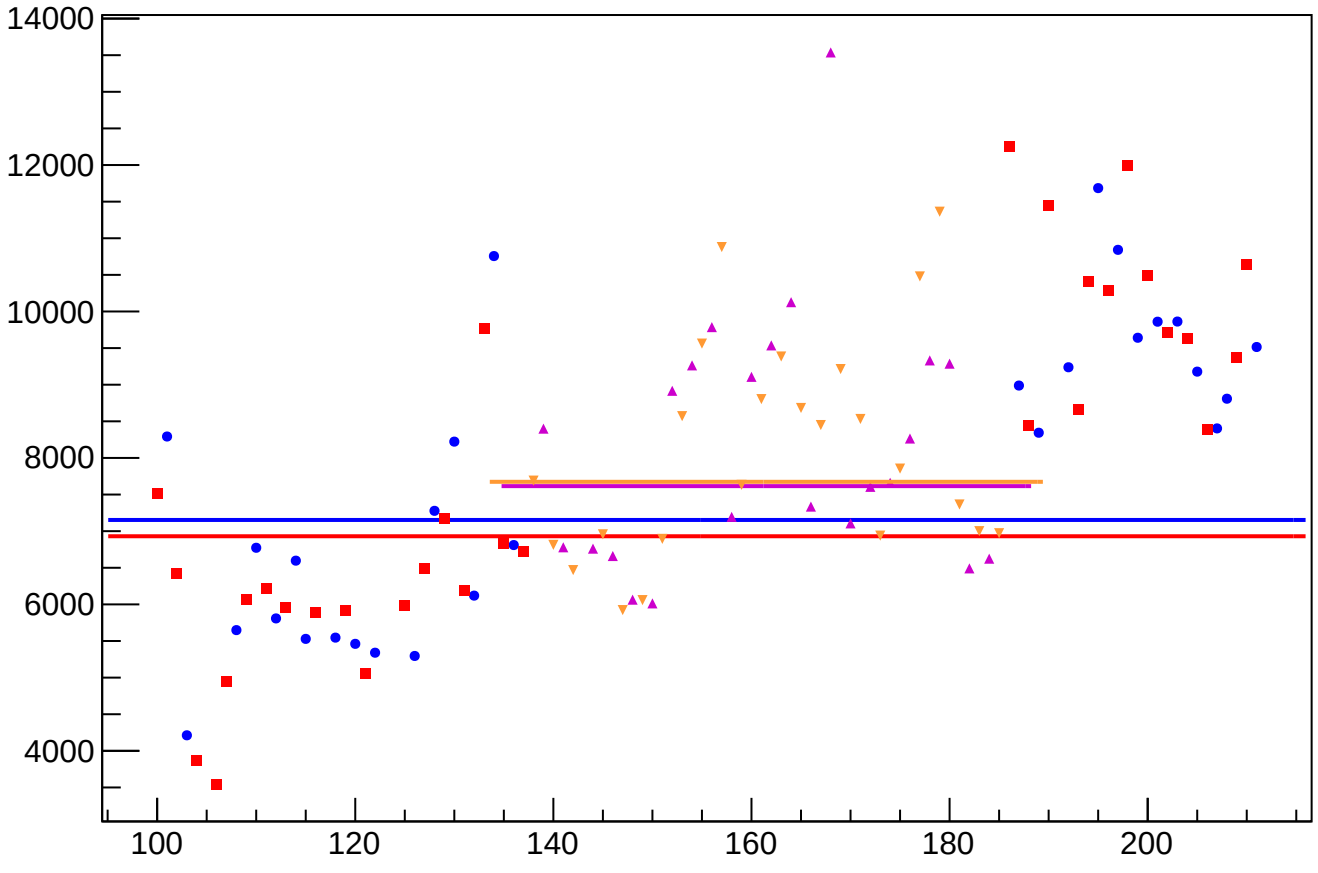
Left In: -126.376+/-1814.828 χ^2/NDF:13.9/22

+ sign 279.475+/-1289.979 χ^2/NDF: 58.3/51

All: -413.310+/-900.607 χ^2/NDF: 105.3/105

- sign -1072.097+/-1257.928 χ^2/NDF: 46.5/53

asym_us_avg_at2lr_avg_dd_cor_correction_rms vs Slug



Right In: 7152.980+/-1.293 χ^2/NDF: 2475409.5/27

Left Out: 7674.063+/-1.287 χ^2/NDF:1076712.6/23

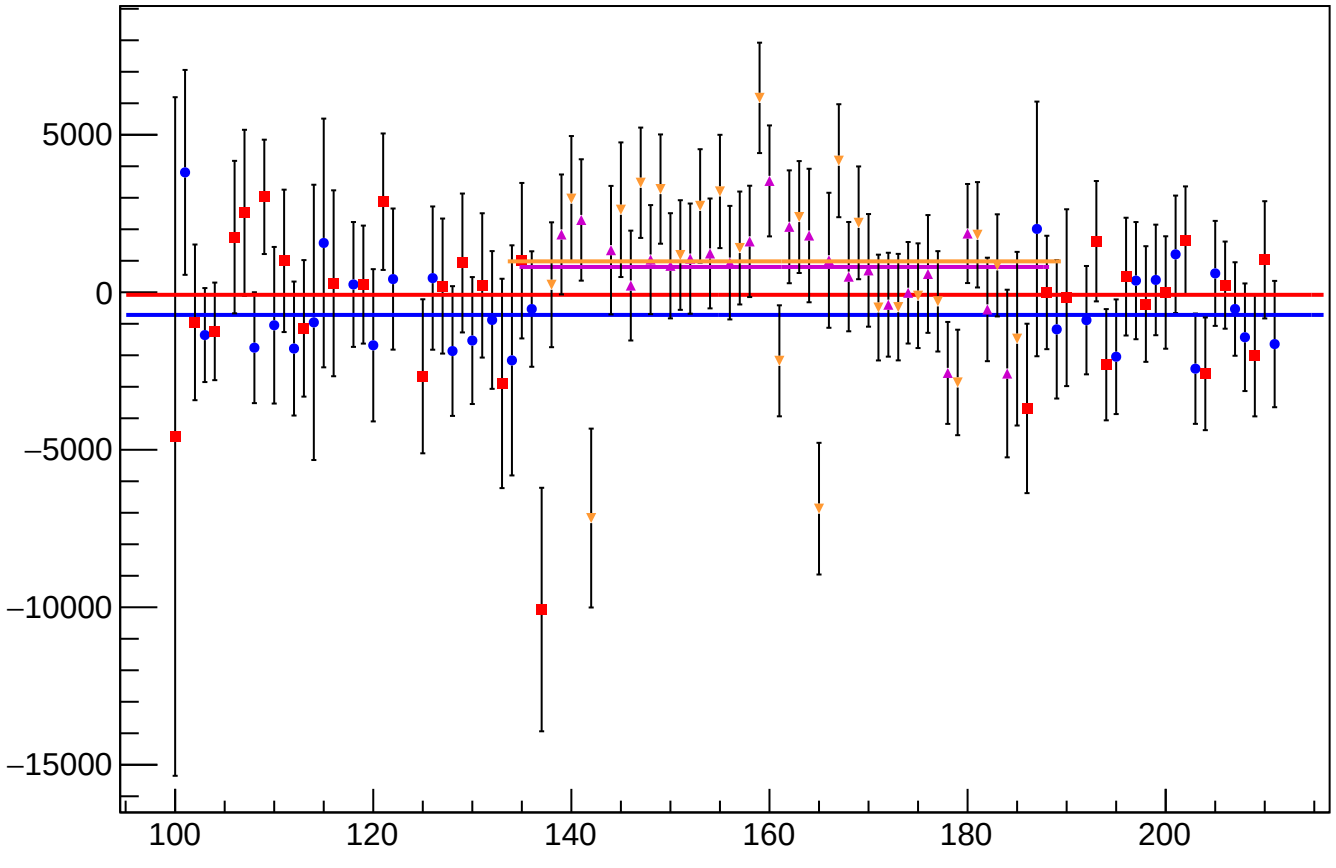
Right Out: 6930.437+/-1.234 χ^2/NDF: 3449902.8/30

Left In: 7614.964+/-1.283 χ^2/NDF:1224525.6/22

+ sign 7414.791+/-0.912 χ^2/NDF: 3633706.5/51

All: 7335.096+/-0.637 χ^2/NDF: 8470861.5/10

- sign 7259.312+/-0.889 χ^2/NDF: 4822262.7/53



Right In: -718.487+/-383.777 χ^2/NDF: 9.5/27

Left Out: 981.712+/-370.843 χ^2/NDF:55.6/23

Right Out: -80.460+/-374.644 χ^2/NDF: 25.3/30

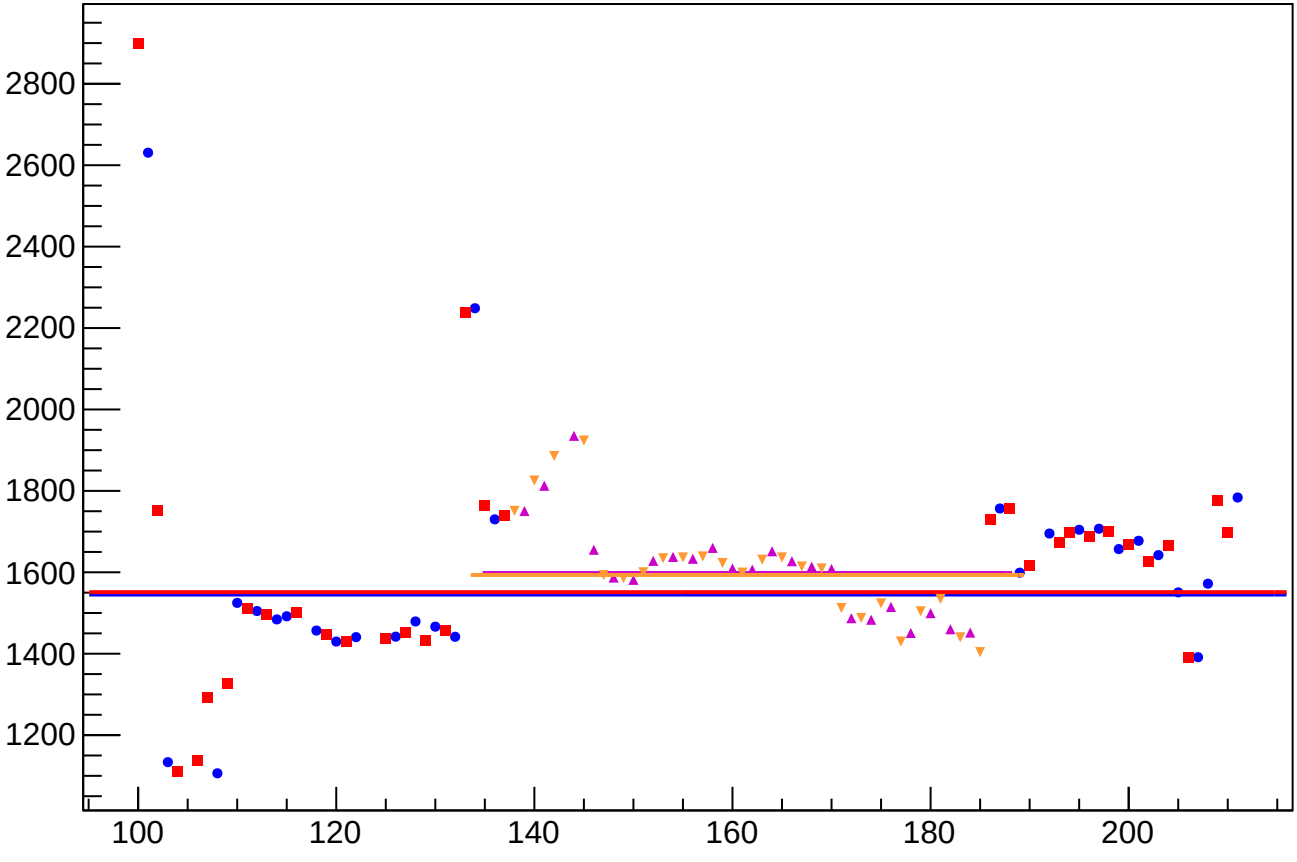
Left In: 803.783+/-374.066 χ^2/NDF:12.4/22

+ sign 160.745+/-266.681 χ^2/NDF: 75.2/51

All: 262.293+/-187.871 χ^2/NDF: 116.0/105

- sign 362.345+/-264.709 χ^2/NDF: 40.6/53

eigen_cor_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1545.440+/-0.271 χ^2/NDF: 749117.3/27

Left Out: 1593.482+/-0.262 χ^2/NDF:187613.7/23

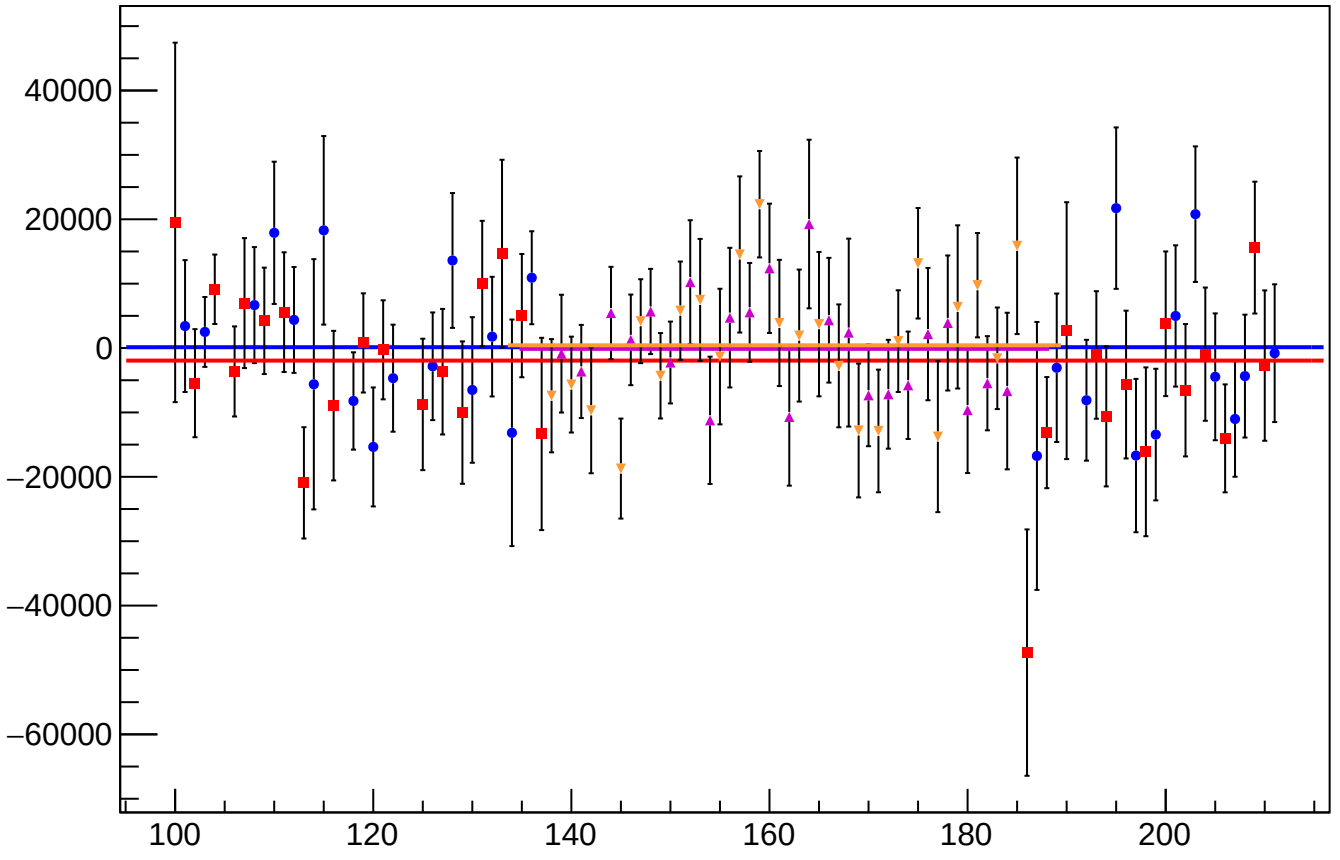
Right Out: 1551.209+/-0.265 χ^2/NDF: 627201.1/30

Left In: 1598.119+/-0.265 χ^2/NDF:169157.7/22

+ sign 1570.284+/-0.189 χ^2/NDF: 952938.3/51

All: 1572.497+/-0.133 χ^2/NDF: 1765289.3/10

- sign 1574.675+/-0.187 χ^2/NDF: 812077.8/53



Right In: 130.806+/-1828.765 χ^2/NDF: 28.9/27

Left Out: 426.702+/-1819.879 χ^2/NDF:29.4/23

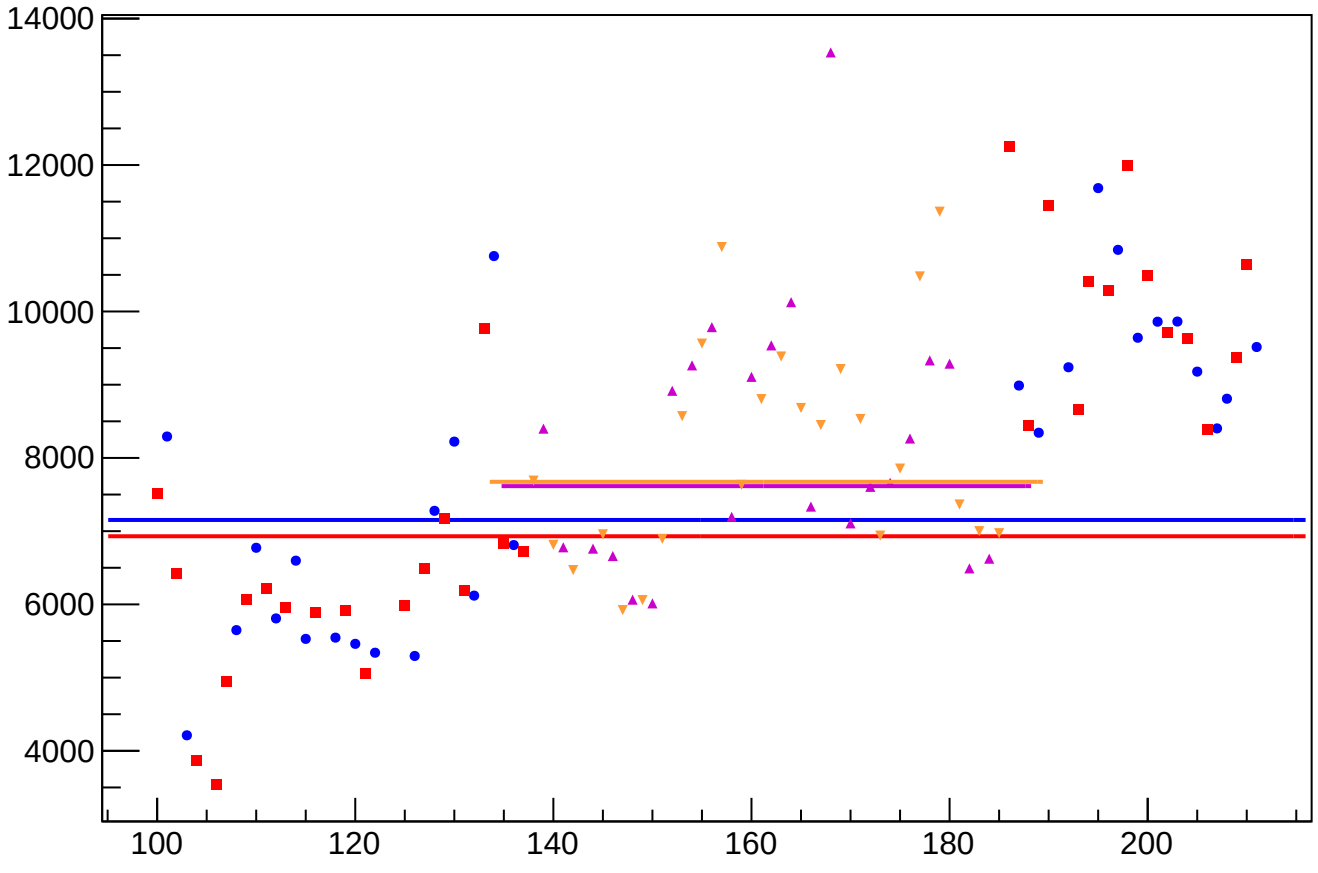
Right Out: -1946.617+/-1745.174 χ^2/NDF: 32.1/30

Left In: -126.376+/-1814.828 χ^2/NDF:13.9/22

+ sign 279.475+/-1289.979 χ^2/NDF: 58.3/51

All: -413.310+/-900.607 χ^2/NDF: 105.3/105

- sign -1072.097+/-1257.928 χ^2/NDF: 46.5/53



Right In: 7152.980+/-1.293 χ^2/NDF: 2475409.5/27

Left Out: 7674.063+/-1.287 χ^2/NDF:1076712.6/23

Right Out: 6930.437+/-1.234 χ^2/NDF: 3449902.8/30

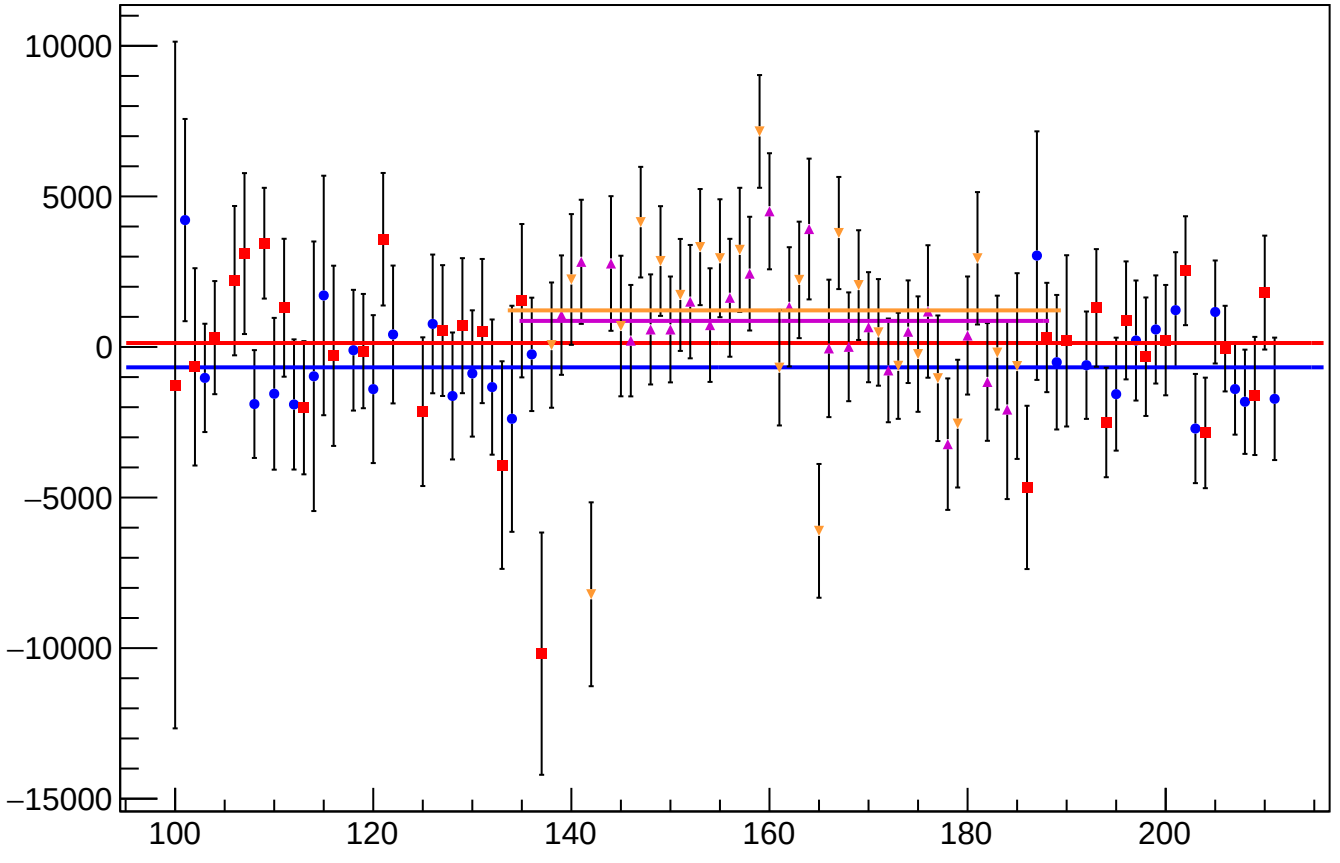
Left In: 7614.964+/-1.283 χ^2/NDF:1224525.6/22

+ sign 7414.791+/-0.912 χ^2/NDF: 3633706.5/51

All: 7335.096+/-0.637 χ^2/NDF: 8470861.5/10

- sign 7259.312+/-0.889 χ^2/NDF: 4822262.7/53

dit_asym_us_avg_at2lr_avg_dd_mean vs Slug



Right In: -675.966+/-397.129 χ^2/NDF: 10.8/27

Left Out: 1215.353+/-409.584 χ^2/NDF:48.5/23

Right Out: 131.931+/-389.120 χ^2/NDF: 30.0/30

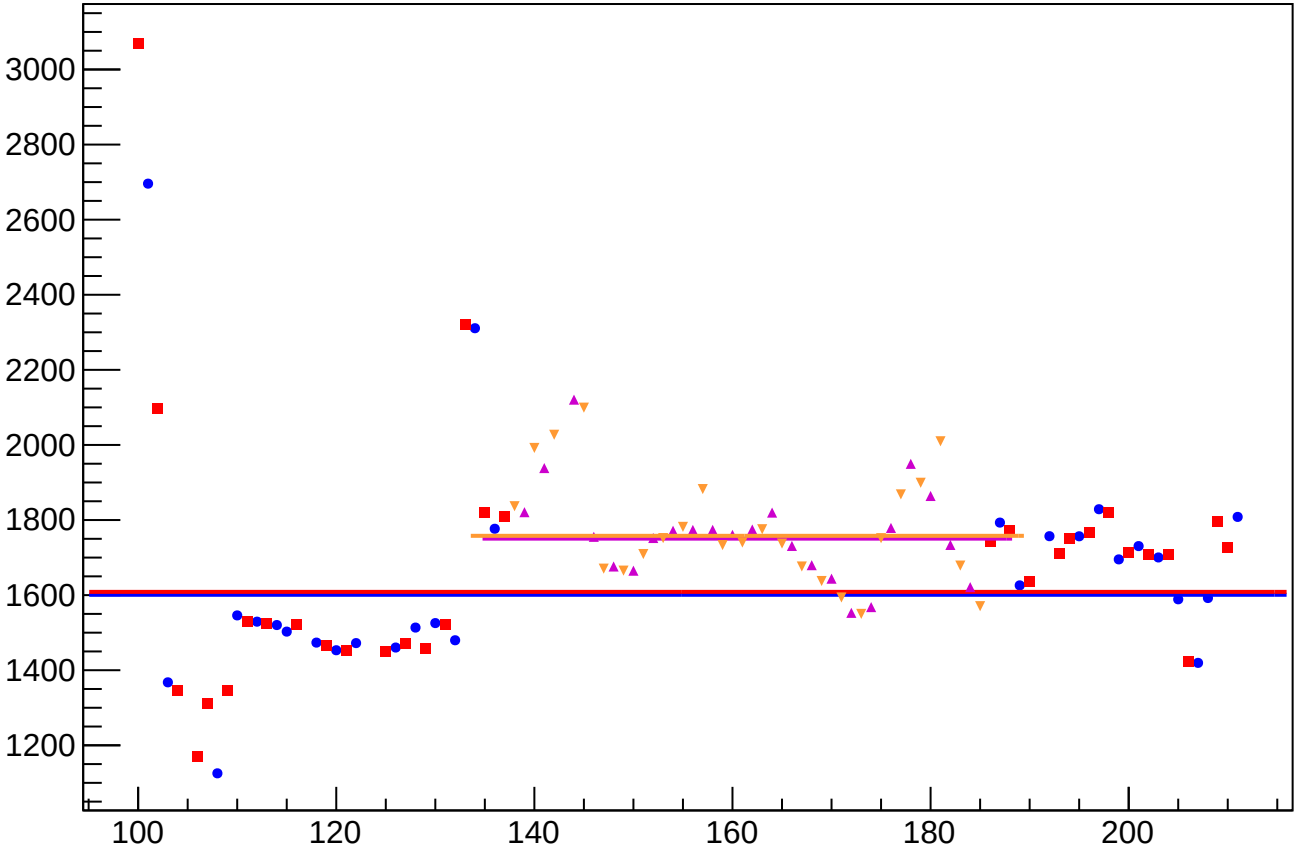
Left In: 866.022+/-410.038 χ^2/NDF:15.1/22

+ sign 240.500+/-285.114 χ^2/NDF: 70.3/51

All: 361.343+/-200.588 χ^2/NDF: 117.5/105

- sign 479.774+/-282.255 χ^2/NDF: 46.8/53

dit_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1600.925+/-0.281 χ^2/NDF: 652471.6/27

Left Out: 1757.965+/-0.290 χ^2/NDF:213284.1/23

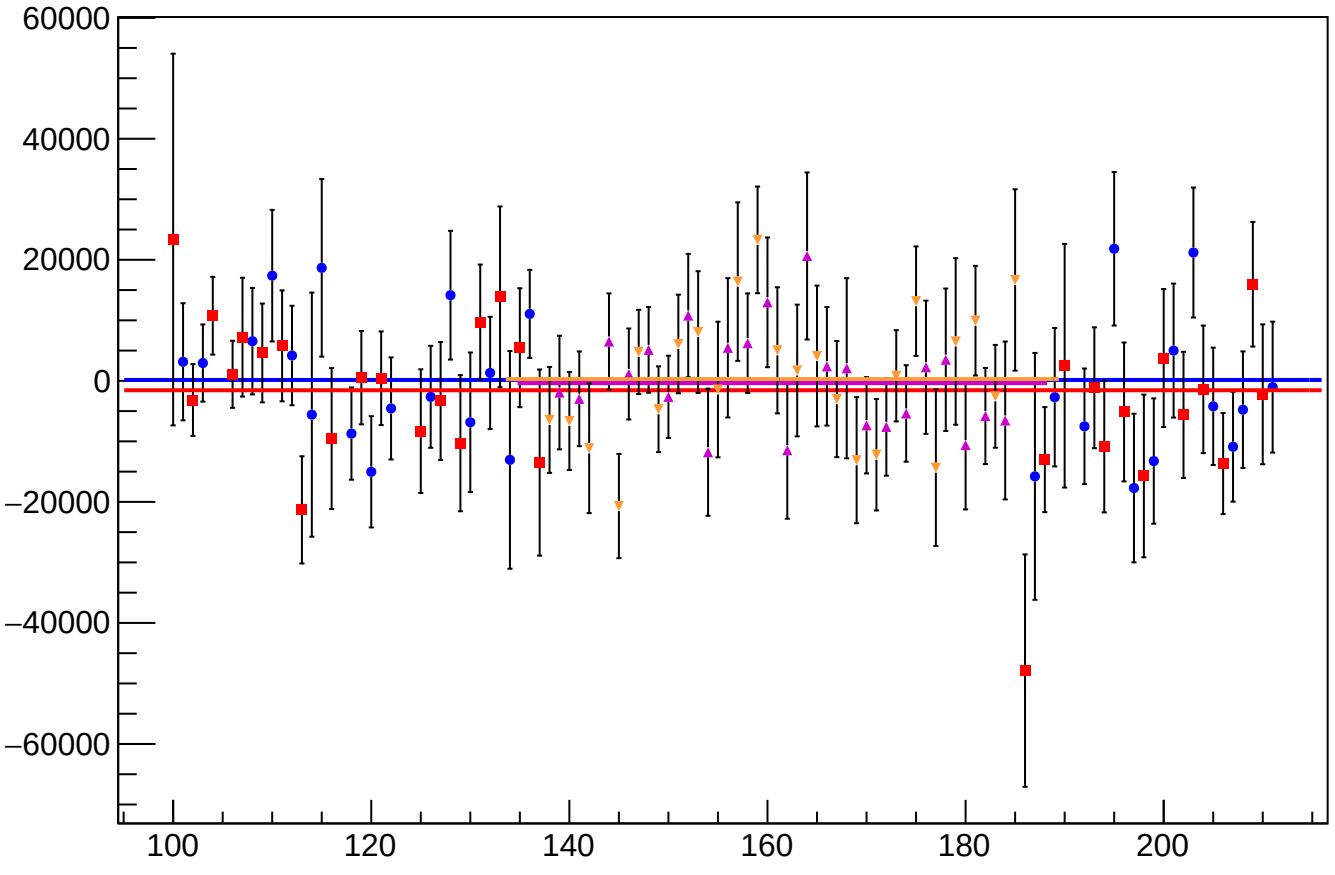
Right Out: 1608.680+/-0.275 χ^2/NDF: 559304.0/30

Left In: 1750.477+/-0.290 χ^2/NDF:171889.4/22

+ sign 1677.021+/-0.202 χ^2/NDF: 1017300.3/51

All: 1676.434+/-0.142 χ^2/NDF: 1874370.7/10

- sign 1675.860+/-0.200 χ^2/NDF: 857053.6/53



Right In: 145.488+/-1863.614 χ^2/NDF: 28.7/27

Left Out: 284.925+/-1920.134 χ^2/NDF:28.7/23

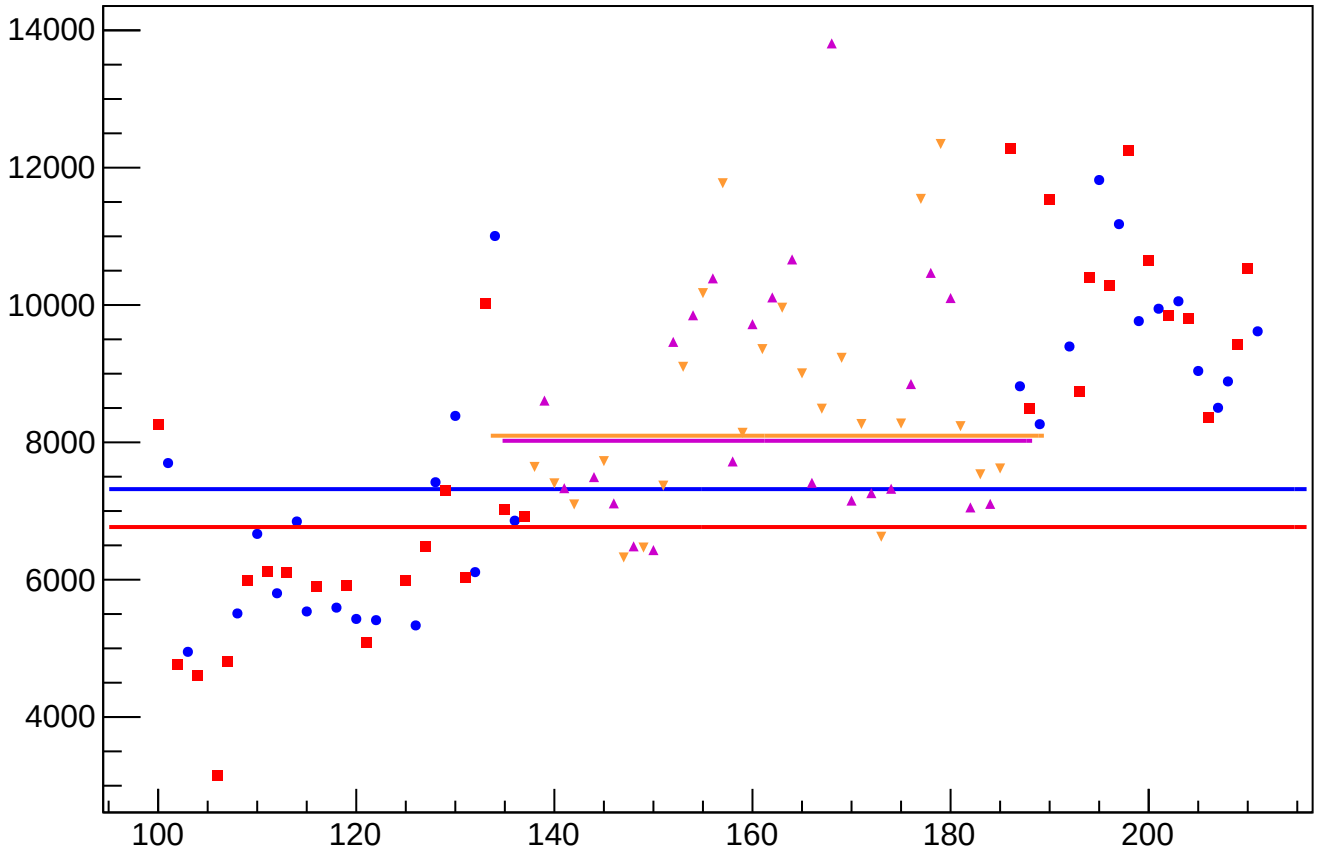
Right Out: -1554.445+/-1708.300 χ^2/NDF: 31.8/30

Left In: -382.660+/-1912.385 χ^2/NDF:13.6/22

+ sign 213.124+/-1337.309 χ^2/NDF: 57.3/51

All: -440.854+/-922.430 χ^2/NDF: 103.4/105

- sign -1034.393+/-1274.016 χ^2/NDF: 45.6/53



Right In: 7318.949+/-1.318 χ^2/NDF: 2176729.3/27

Left Out: 8096.821+/-1.358 χ^2/NDF:1087790.8/23

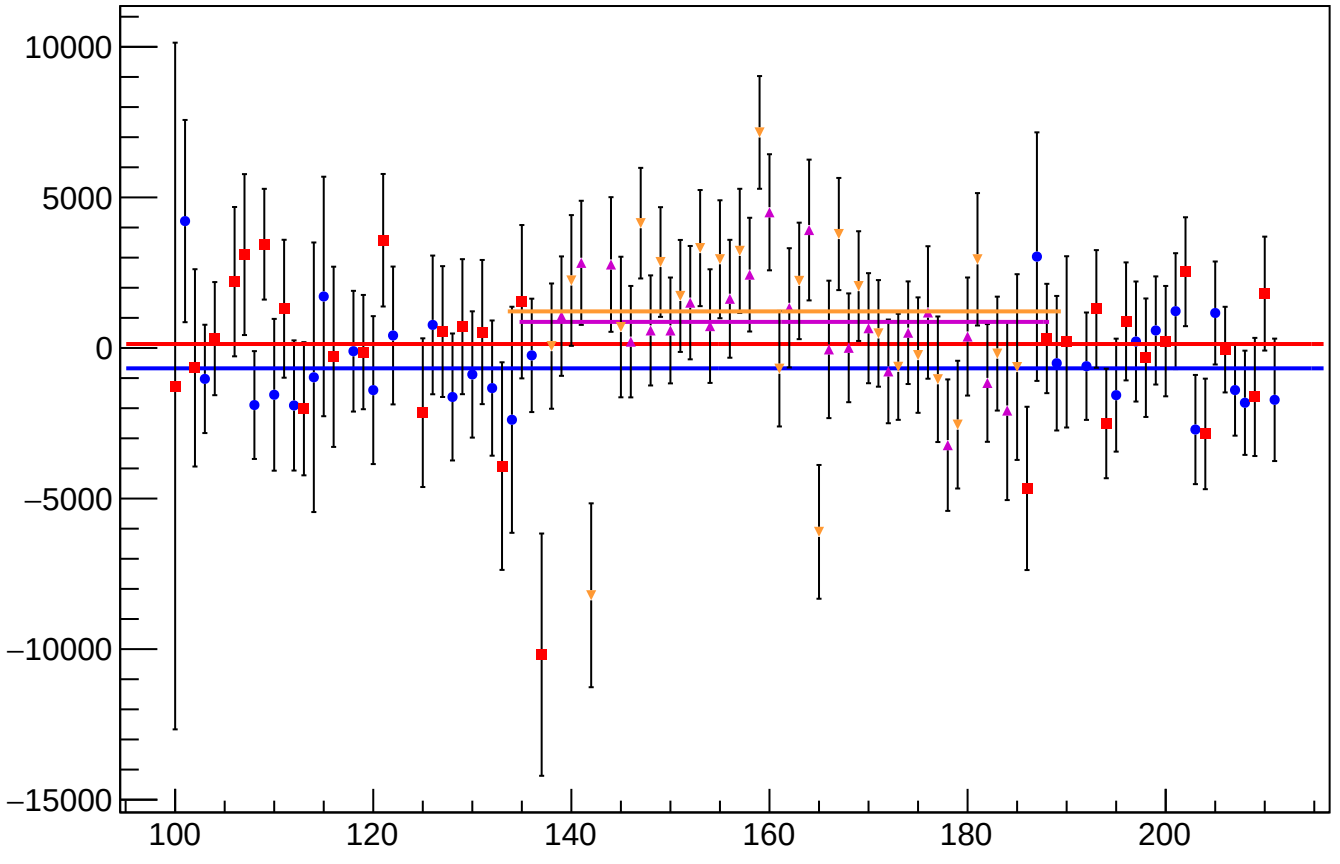
Right Out: 6766.833+/-1.208 χ^2/NDF: 3855505.5/30

Left In: 8022.726+/-1.352 χ^2/NDF:1225549.2/22

+ sign 7696.268+/-0.946 χ^2/NDF: 3433538.9/51

All: 7501.228+/-0.652 χ^2/NDF: 9075485.4/10

- sign 7324.213+/-0.901 χ^2/NDF: 5560795.2/53



Right In: -675.965+/-397.129 χ^2/NDF: 10.8/27

Left Out: 1215.361+/-409.585 χ^2/NDF:48.5/23

Right Out: 131.932+/-389.120 χ^2/NDF: 30.0/30

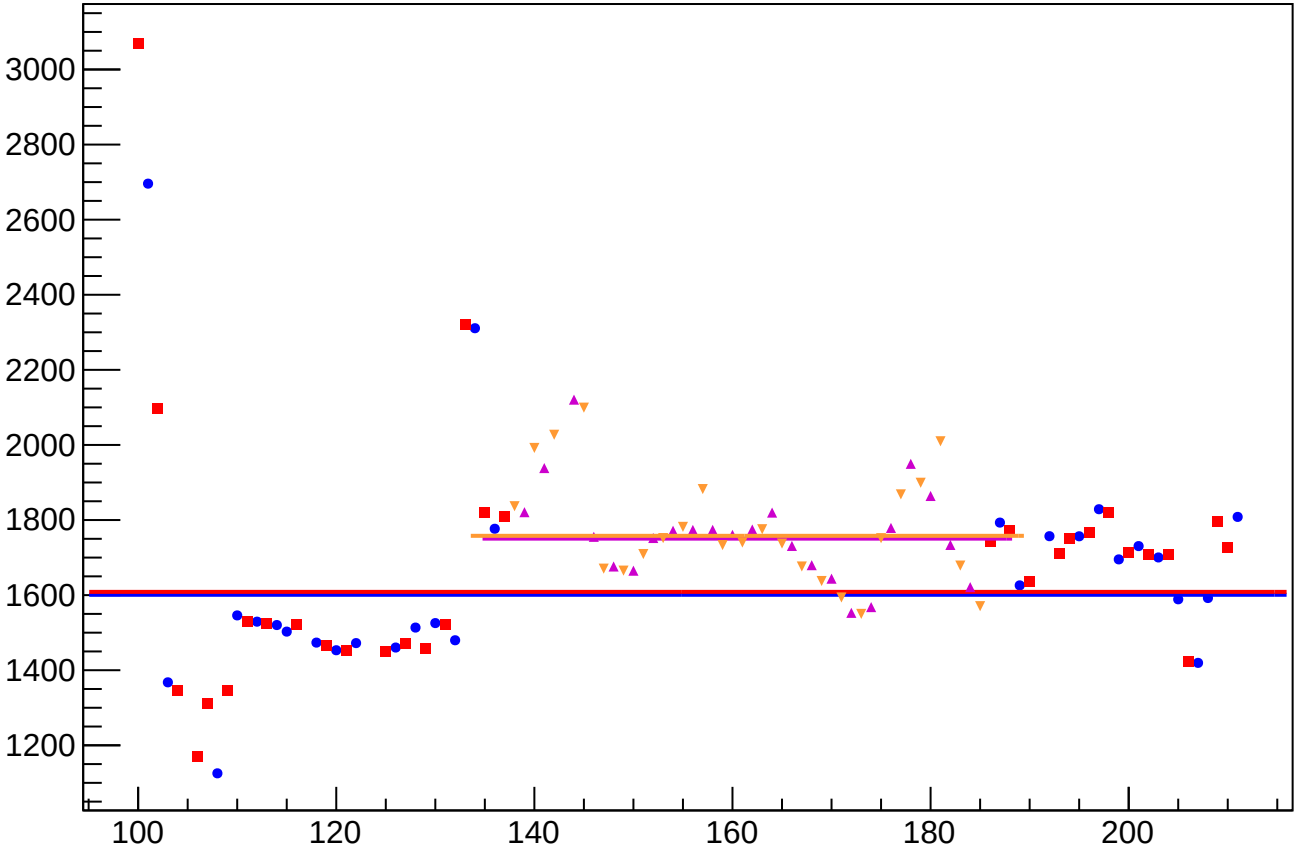
Left In: 866.021+/-410.039 χ^2/NDF:15.1/22

+ sign 240.503+/-285.115 χ^2/NDF: 70.3/51

All: 361.344+/-200.588 χ^2/NDF: 117.5/105

- sign 479.774+/-282.255 χ^2/NDF: 46.8/53

eigen_dit_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1600.925+/-0.281 χ^2/NDF: 652471.9/27

Left Out: 1757.968+/-0.290 χ^2/NDF:213292.2/23

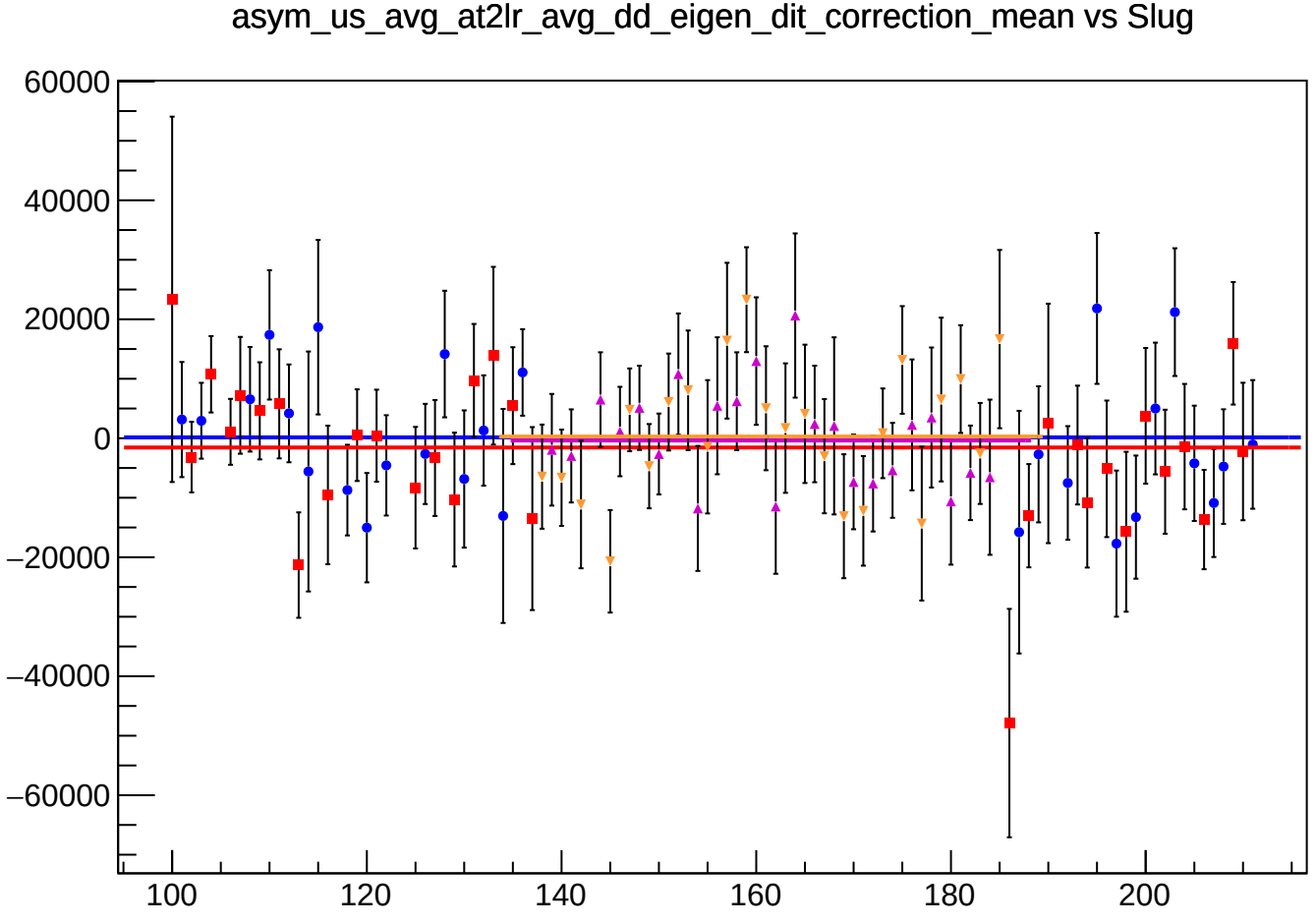
Right Out: 1608.680+/-0.275 χ^2/NDF: 559305.1/30

Left In: 1750.480+/-0.290 χ^2/NDF:171897.3/22

+ sign 1677.022+/-0.202 χ^2/NDF: 1017313.5/51

All: 1676.436+/-0.142 χ^2/NDF: 1874397.5/10

- sign 1675.861+/-0.200 χ^2/NDF: 857067.3/53



Right In: 145.481+/-1863.613 χ^2/NDF: 28.7/27

Left Out: 284.927+/-1920.138 χ^2/NDF:28.7/23

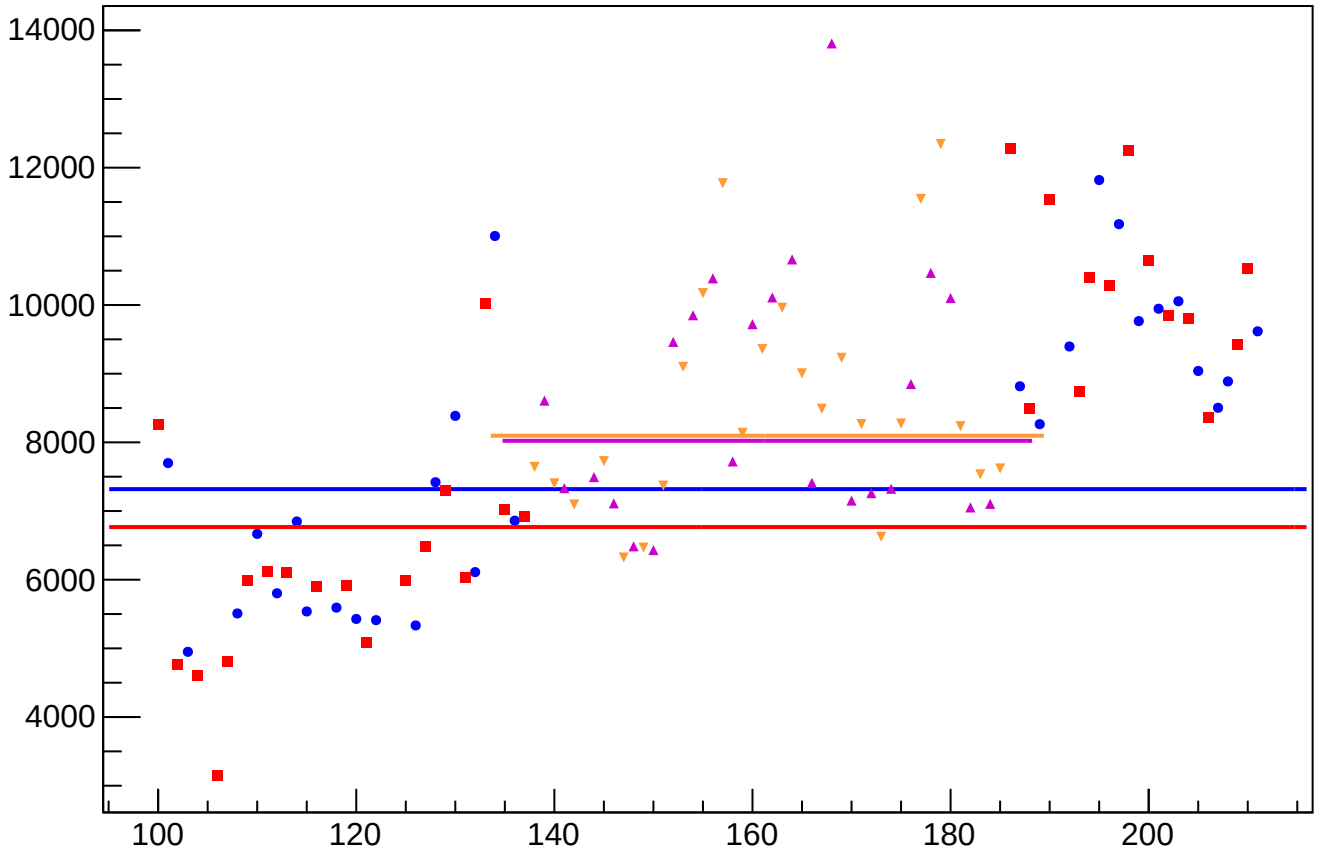
Right Out: -1554.435+/-1708.299 χ^2/NDF: 31.8/30

Left In: -382.663+/-1912.388 χ^2/NDF:13.6/22

+ sign 213.121+/-1337.310 χ^2/NDF: 57.3/51

All: -440.854+/-922.430 χ^2/NDF: 103.4/105

- sign -1034.390+/-1274.016 χ^2/NDF: 45.6/53



Right In: 7318.940+/-1.318 χ^2/NDF: 2176759.9/27

Left Out: 8096.833+/-1.358 χ^2/NDF:1087793.4/23

Right Out: 6766.823+/-1.208 χ^2/NDF: 3855535.8/30

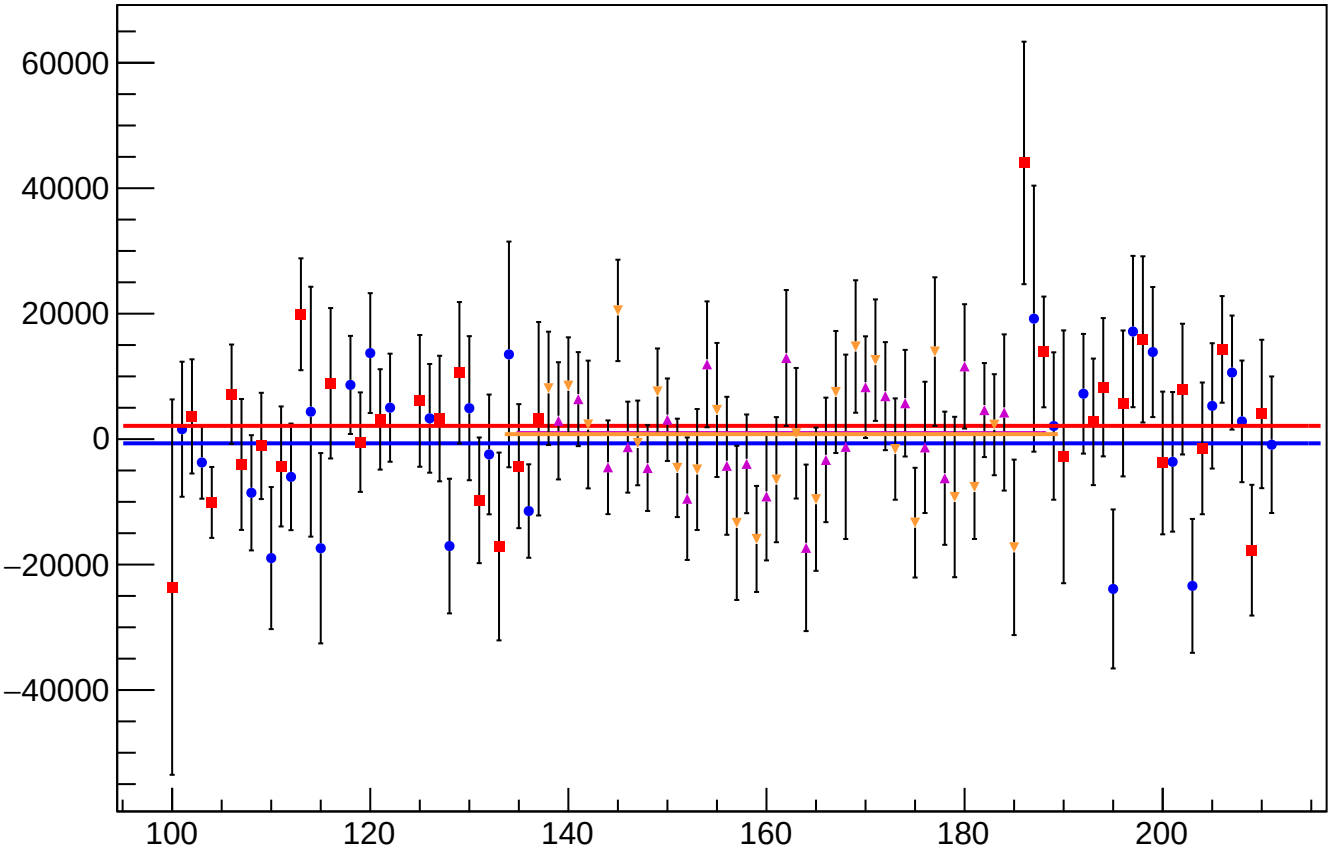
Left In: 8022.738+/-1.352 χ^2/NDF:1225553.6/22

+ sign 7696.269+/-0.946 χ^2/NDF: 3433580.9/51

All: 7501.228+/-0.652 χ^2/NDF: 9075578.8/10

- sign 7324.212+/-0.901 χ^2/NDF: 5560845.4/53

asym_us_avg_at2lr_avg_dd_mean vs Slug



Right In: -671.606+/-1882.029 χ^2/NDF: 30.8/27

Left Out: 791.264+/-1865.111 χ^2/NDF:27.2/23

Right Out: 2114.465+/-1806.003 χ^2/NDF: 29.8/30

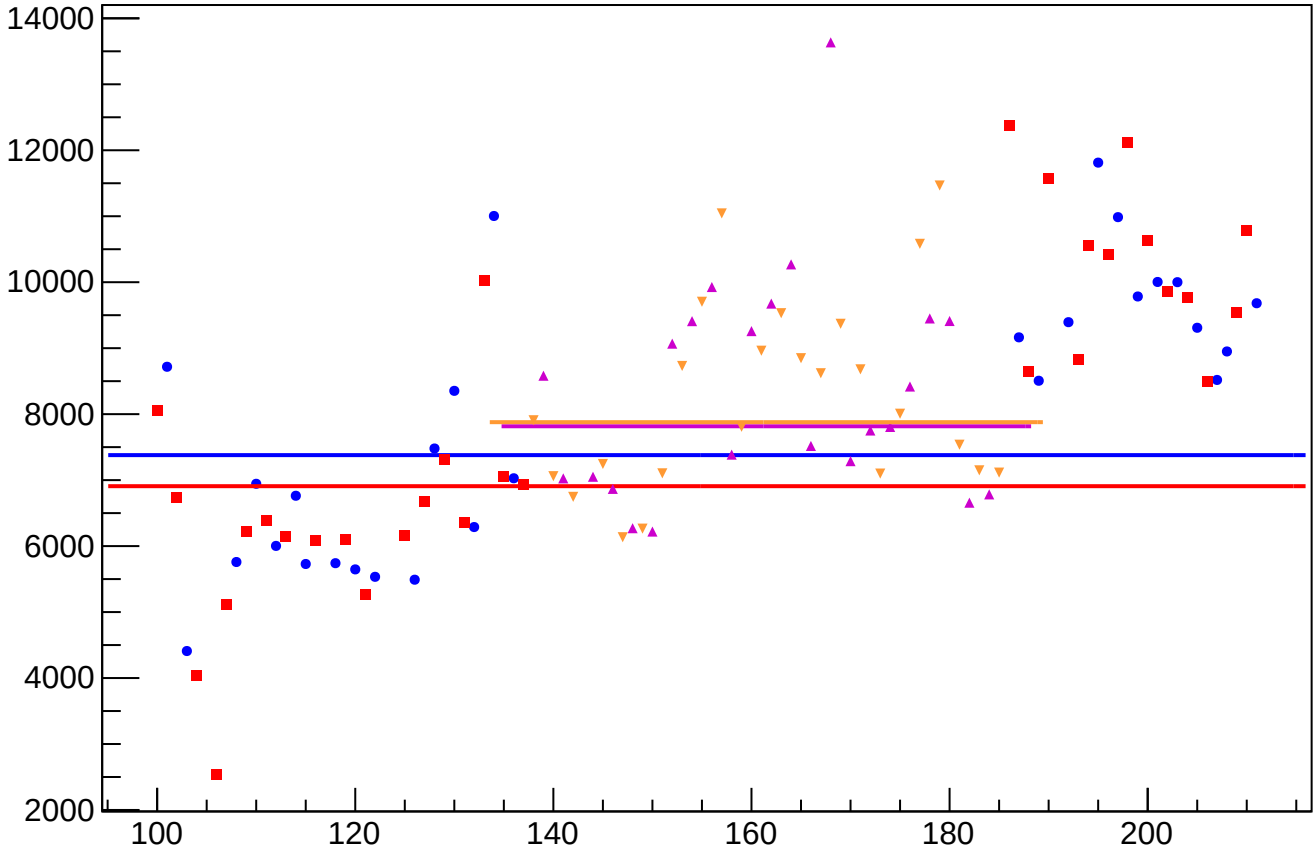
Left In: 963.967+/-1859.926 χ^2/NDF:12.8/22

+ sign 66.434+/-1324.773 χ^2/NDF: 58.2/51

All: 827.821+/-926.299 χ^2/NDF: 101.7/105

- sign 1556.136+/-1295.681 χ^2/NDF: 42.8/53

asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 7378.955+/-1.331 χ^2/NDF: 2302661.3/27

Left Out: 7878.482+/-1.319 χ^2/NDF:990058.5/23

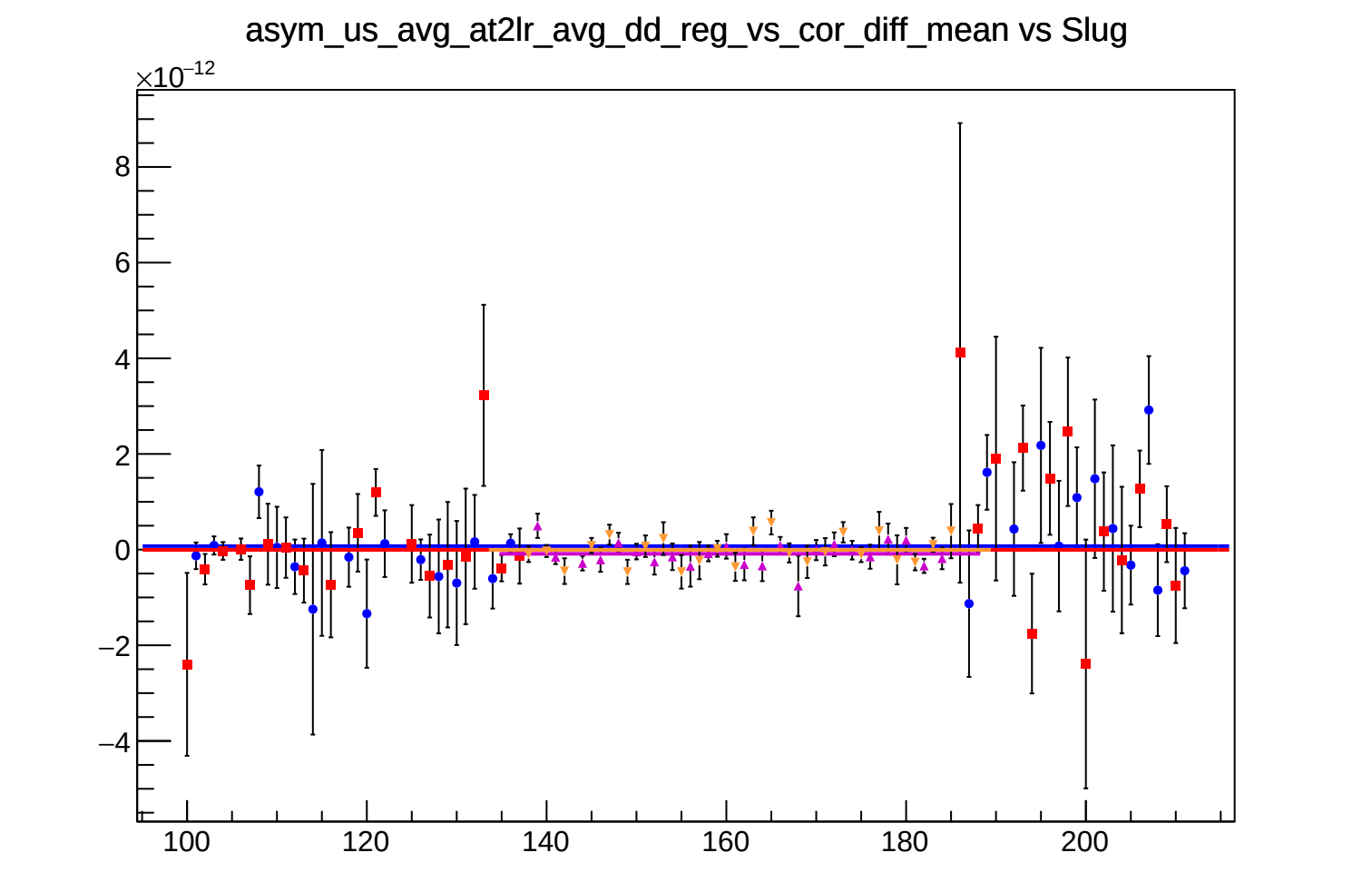
Right Out: 6908.134+/-1.246 χ^2/NDF: 4088800.7/30

Left In: 7816.447+/-1.315 χ^2/NDF:1132368.2/22

+ sign 7630.973+/-0.937 χ^2/NDF: 3363803.7/51

All: 7479.336+/-0.651 χ^2/NDF: 8886912.6/10

- sign 7337.912+/-0.905 χ^2/NDF: 5472466.8/53



Right In: 0.000+/-0.000 χ^2/NDF: 25.0/27

Left Out: -0.000+/-0.000 χ^2/NDF:28.6/23

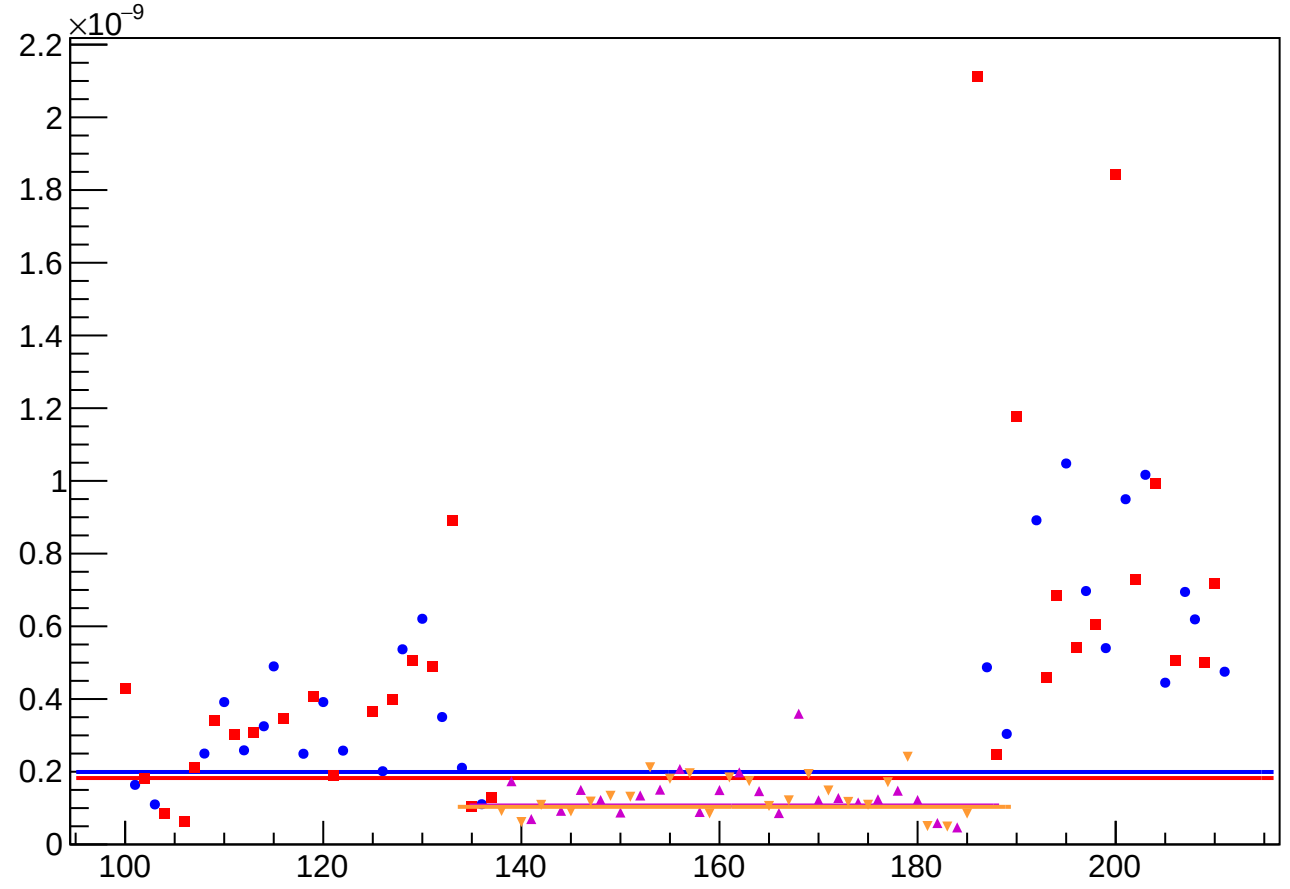
Right Out: -0.000+/-0.000 χ^2/NDF: 35.4/30

Left In: -0.000+/-0.000 χ^2/NDF:19.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 54.2/51

All: -0.000+/-0.000 χ^2/NDF: 111.5/105

- sign -0.000+/-0.000 χ^2/NDF: 55.3/53



Right In: 0.000+/-0.000 χ^2/NDF: 5079397.3/27

Left Out: 0.000+/-0.000 χ^2/NDF:1905146.0/23

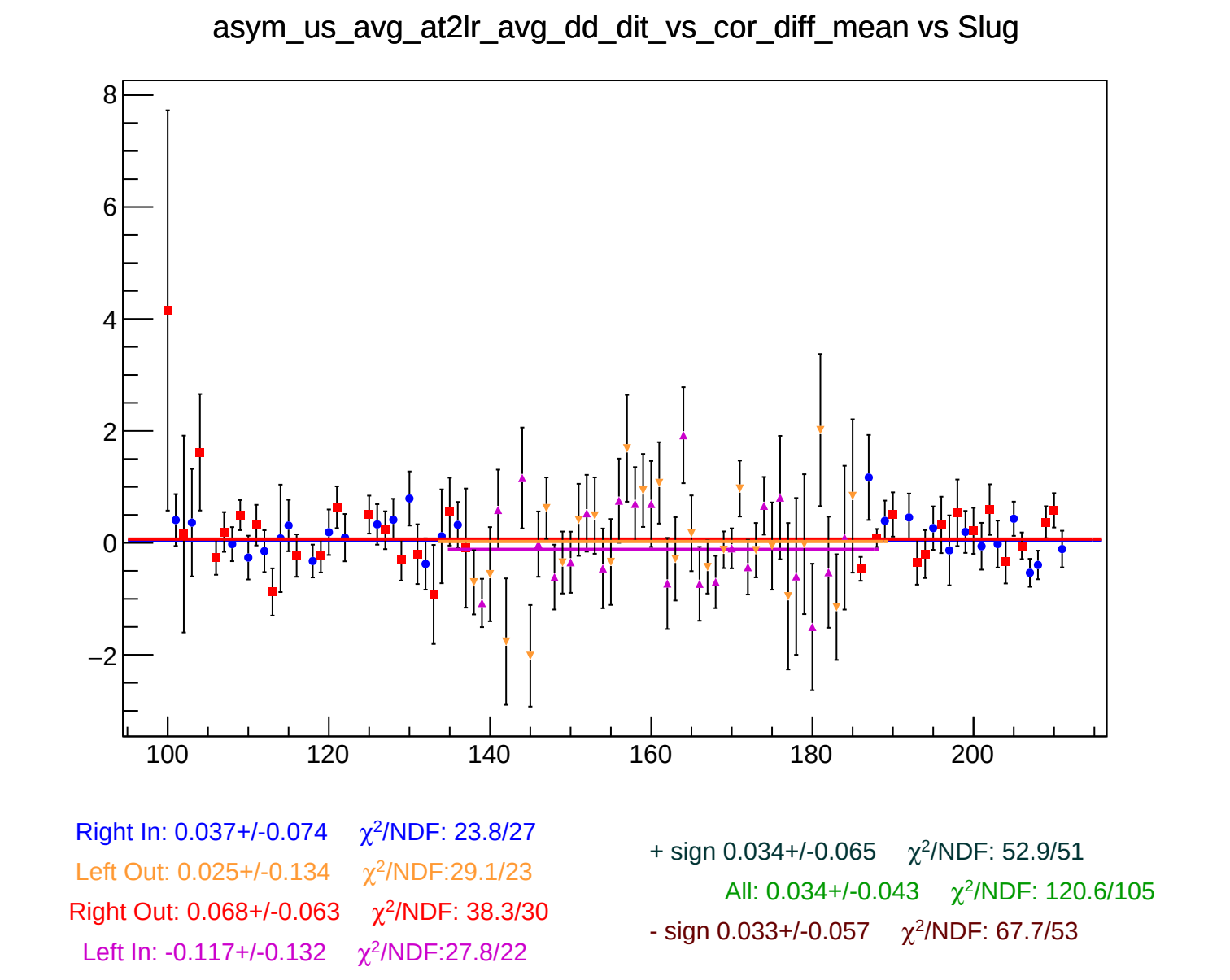
Right Out: 0.000+/-0.000 χ^2/NDF: 6803442.6/30

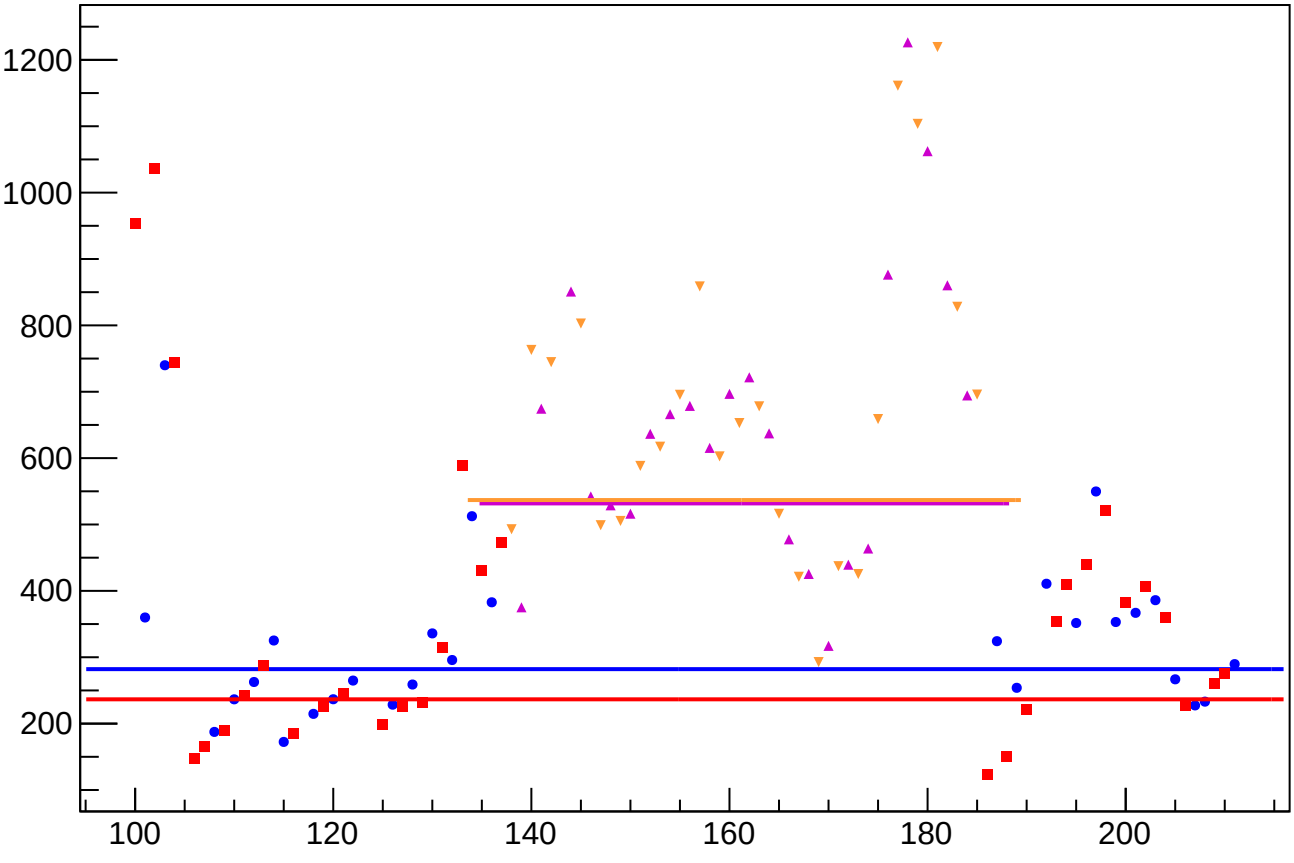
Left In: 0.000+/-0.000 χ^2/NDF:1596017.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 8559098.1/51

All: 0.000+/-0.000 χ^2/NDF: 17963764.7/105

- sign 0.000+/-0.000 χ^2/NDF: 9403741.4/53


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
Right In: 0.037+/-0.074 χ²/NDF: 23.8/27
Left Out: 0.025+/-0.134 χ²/NDF:29.1/23
Right Out: 0.068+/-0.063 χ²/NDF: 38.3/30
Left In: -0.117+/-0.132 χ²/NDF:27.8/22
+ sign 0.034+/-0.065 χ²/NDF: 52.9/51
All: 0.034+/-0.043 χ²/NDF: 120.6/105
- sign 0.033+/-0.057 χ²/NDF: 67.7/53



Right In: 282.086+/-0.052 χ^2/NDF: 2422159.4/27

Left Out: 536.821+/-0.095 χ^2/NDF:3963242.1/23

Right Out: 236.601+/-0.045 χ^2/NDF: 5237728.8/30

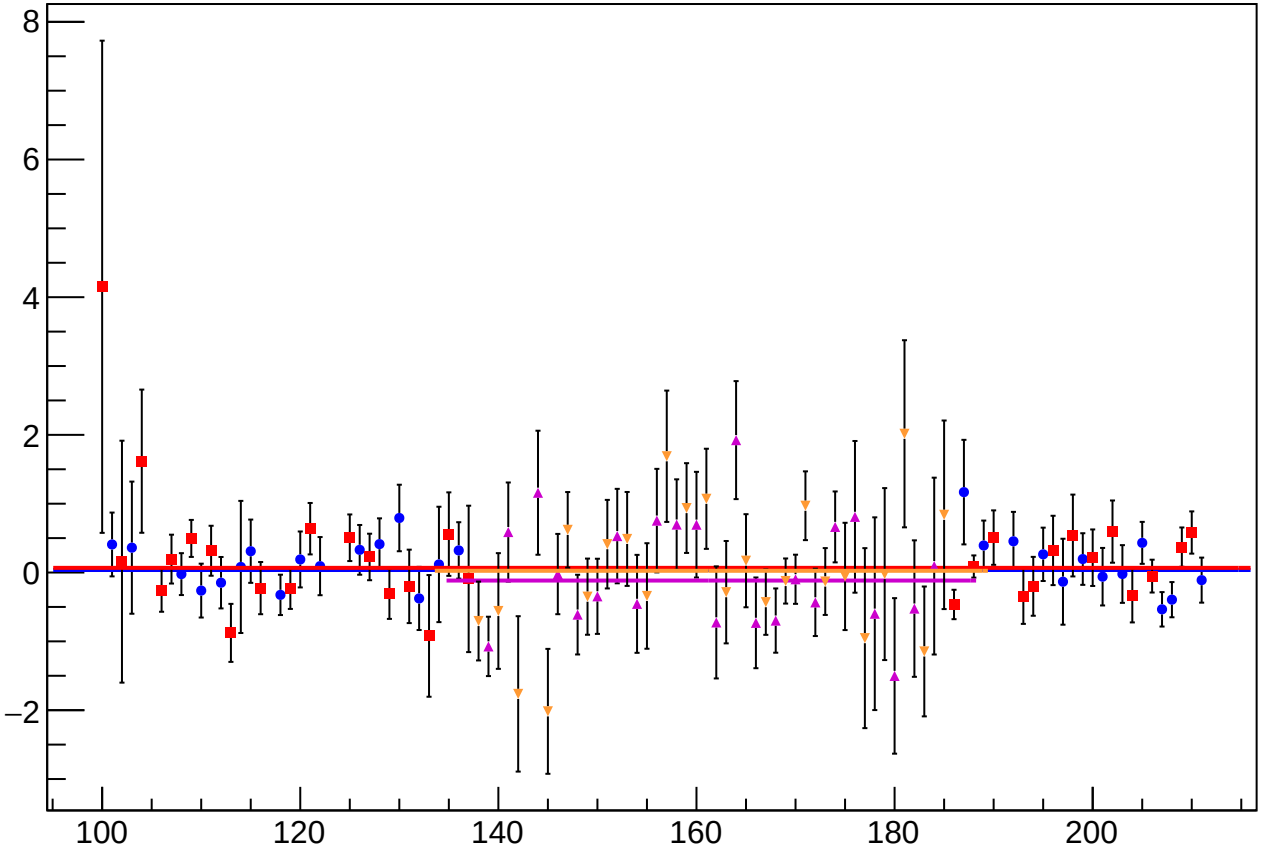
Left In: 531.769+/-0.094 χ^2/NDF:3381209.0/22

+ sign 341.162+/-0.046 χ^2/NDF: 11939316.9/51

All: 313.448+/-0.030 χ^2/NDF: 29295962.9/10

- sign 291.656+/-0.040 χ^2/NDF: 16697379.8/53

asym_us_avg_at2lr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.037+/-0.074 χ^2/NDF: 23.8/27

Left Out: 0.025+/-0.134 χ^2/NDF:29.1/23

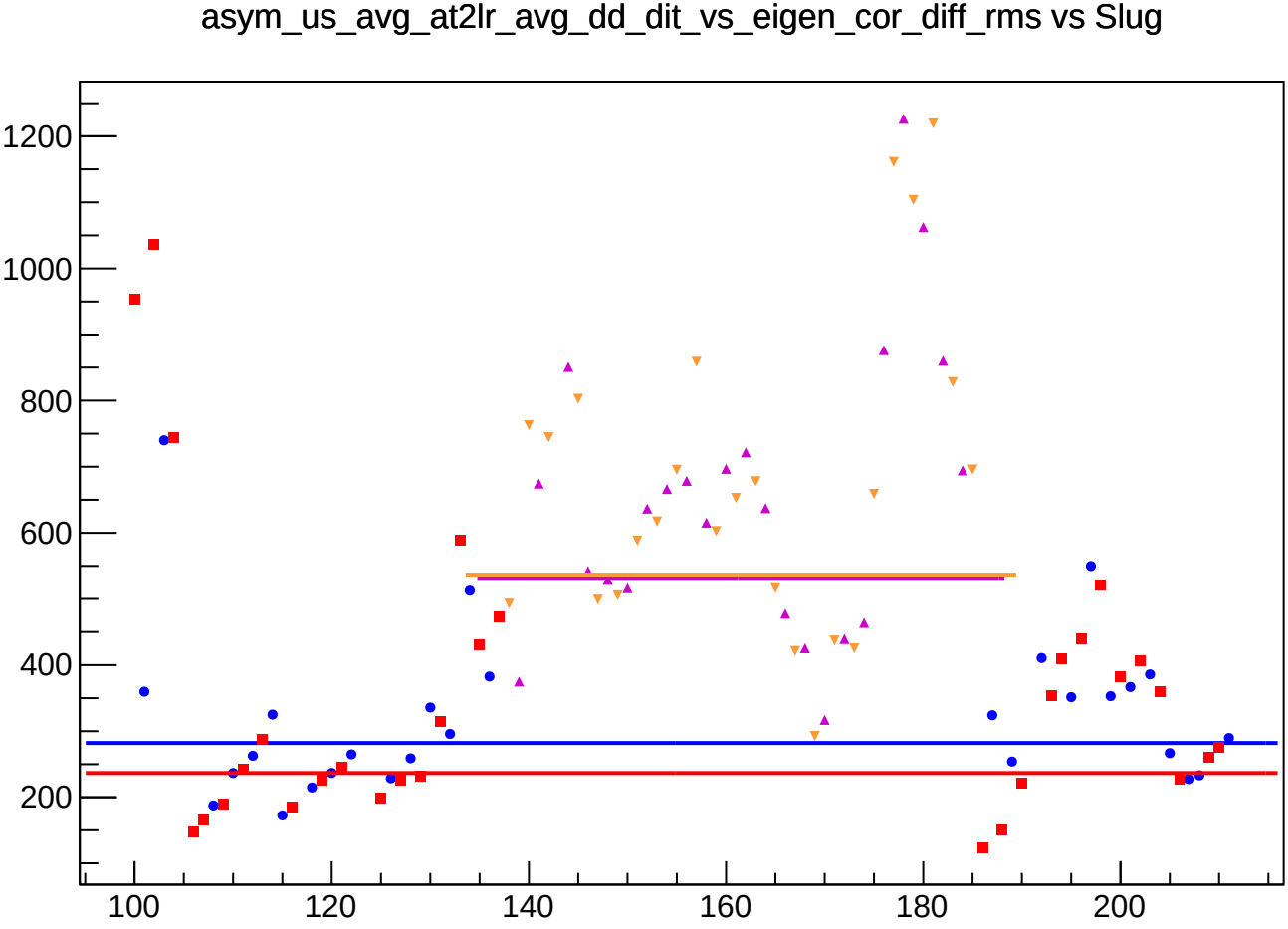
Right Out: 0.068+/-0.063 χ^2/NDF: 38.3/30

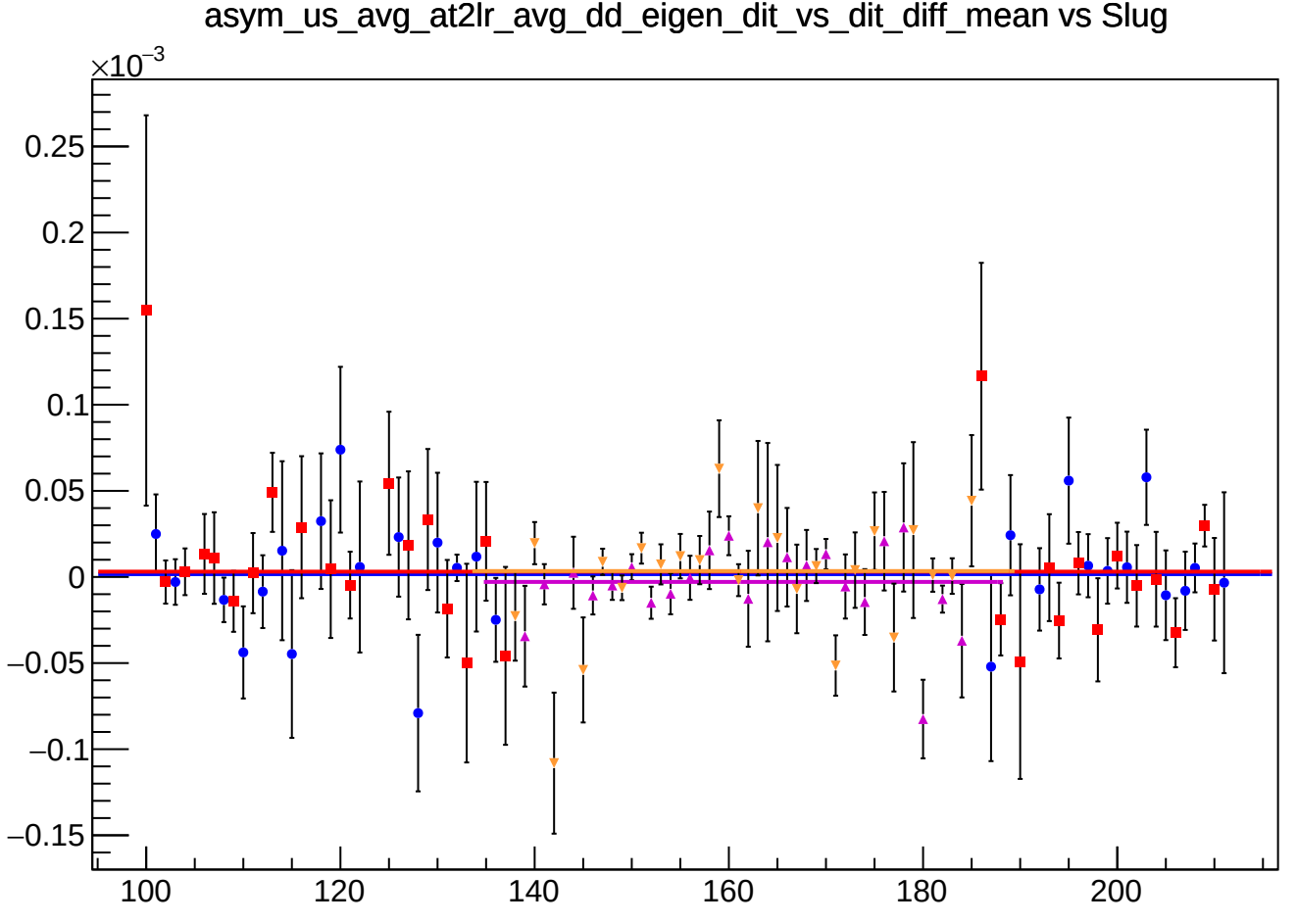
Left In: -0.117+/-0.132 χ^2/NDF:27.8/22

+ sign 0.034+/-0.065 χ^2/NDF: 52.9/51

All: 0.034+/-0.043 χ^2/NDF: 120.6/105

- sign 0.033+/-0.057 χ^2/NDF: 67.7/53


asym_us_avg_at2lr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug
1200
1000
800
600
400
200
100
120
140
160
180
200
Right In: 282.086+/-0.052 χ²/NDF: 2422159.4/27
Left Out: 536.821+/-0.095 χ²/NDF:3963242.1/23
Right Out: 236.601+/-0.045 χ²/NDF: 5237728.8/30
Left In: 531.769+/-0.094 χ²/NDF:3381209.0/22
+ sign 341.162+/-0.046 χ²/NDF: 11939316.9/51
All: 313.448+/-0.030 χ²/NDF: 29295962.9/10
- sign 291.656+/-0.040 χ²/NDF: 16697379.8/53



Right In: 0.000+/-0.000 χ^2/NDF: 23.1/27

Left Out: 0.000+/-0.000 χ^2/NDF:39.1/23

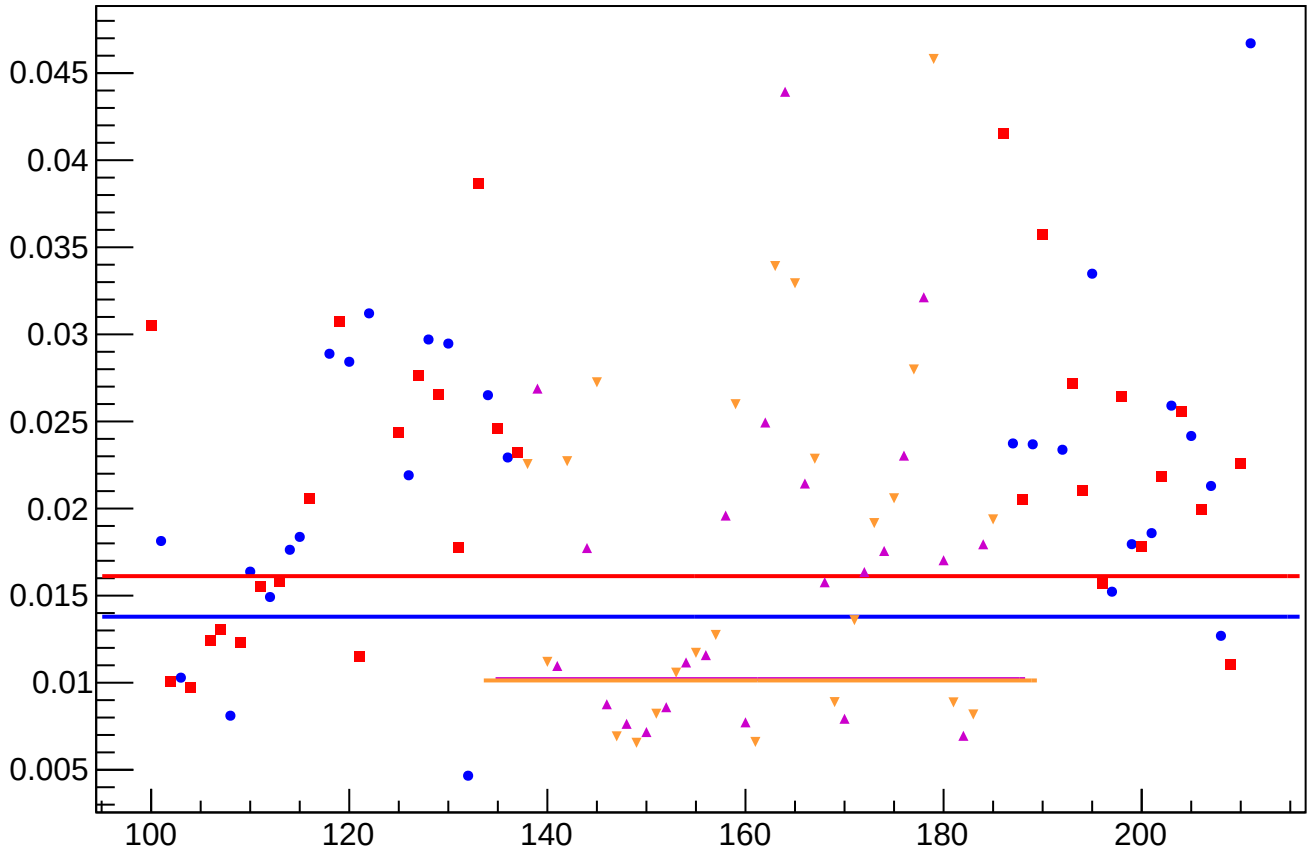
Right Out: 0.000+/-0.000 χ^2/NDF: 29.5/30

Left In: -0.000+/-0.000 χ^2/NDF:32.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 62.3/51

All: 0.000+/-0.000 χ^2/NDF: 126.8/105

- sign -0.000+/-0.000 χ^2/NDF: 63.0/53



Right In: 0.014+/-0.000 χ^2/NDF: 8372244.9/27

Left Out: 0.010+/-0.000 χ^2/NDF:7812047.6/23

Right Out: 0.016+/-0.000 χ^2/NDF: 4363393.9/30

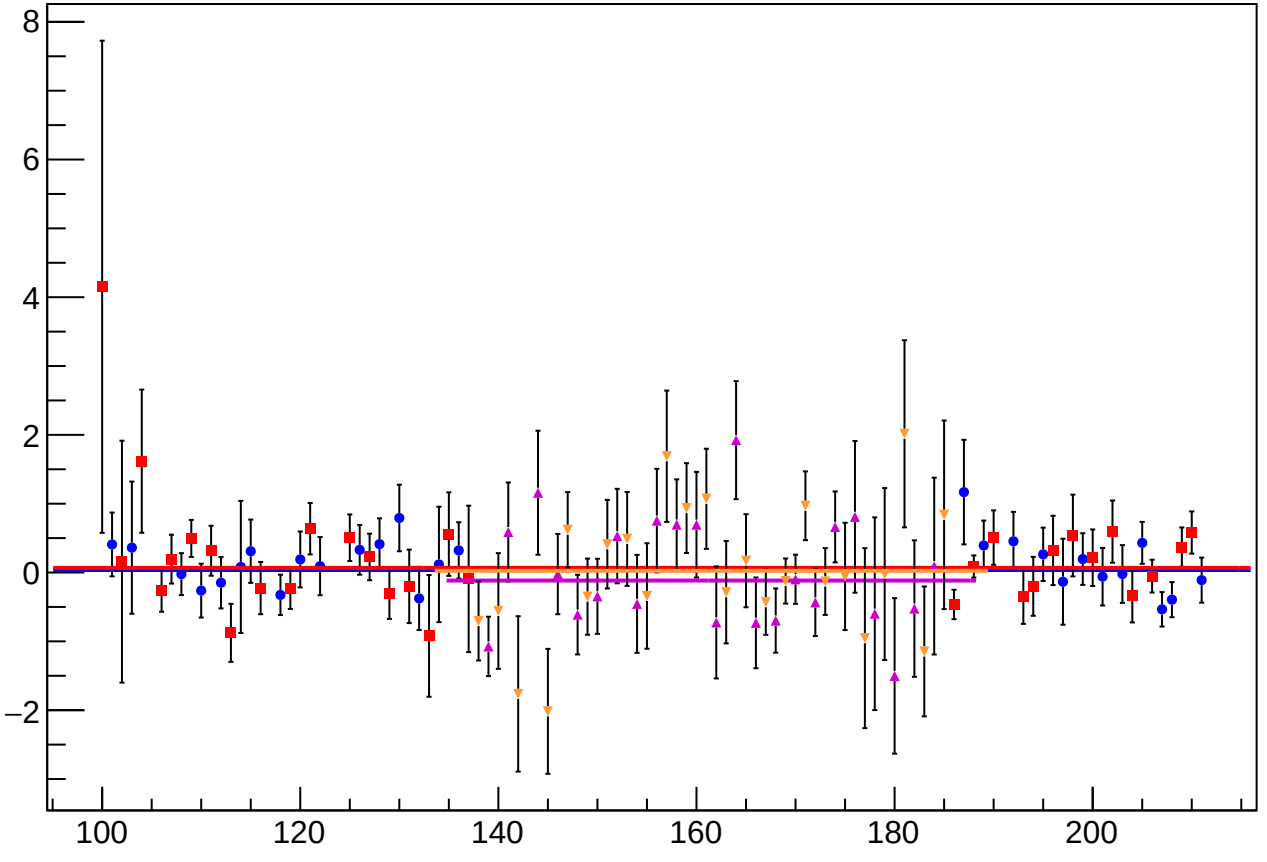
Left In: 0.010+/-0.000 χ^2/NDF:6075883.8/22

+ sign 0.011+/-0.000 χ^2/NDF: 17321697.4/51

All: 0.012+/-0.000 χ^2/NDF: 30616513.2/105

- sign 0.012+/-0.000 χ^2/NDF: 13199860.5/53

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.037+/-0.074 χ^2/NDF: 23.8/27

Left Out: 0.025+/-0.134 χ^2/NDF:29.1/23

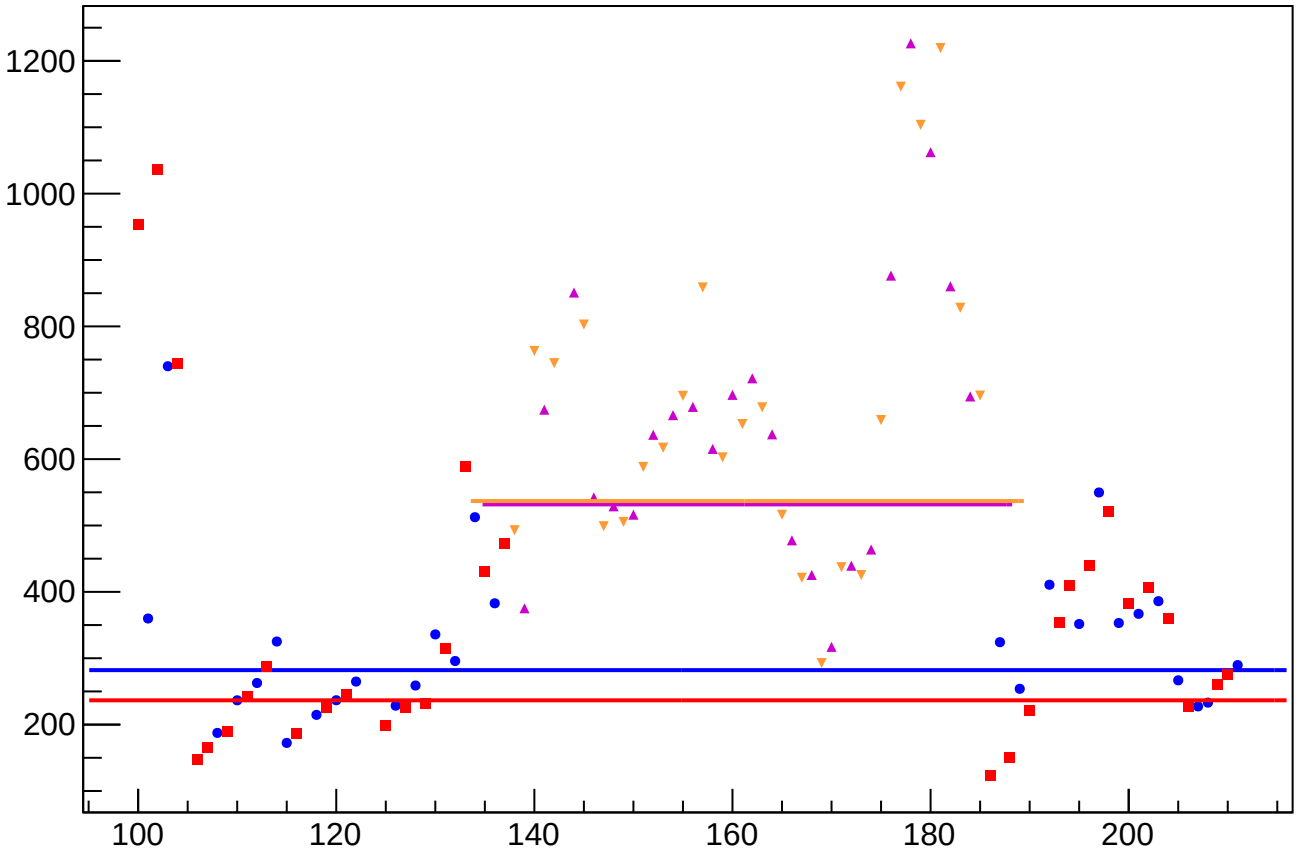
Right Out: 0.068+/-0.063 χ^2/NDF: 38.3/30

Left In: -0.117+/-0.132 χ^2/NDF:27.8/22

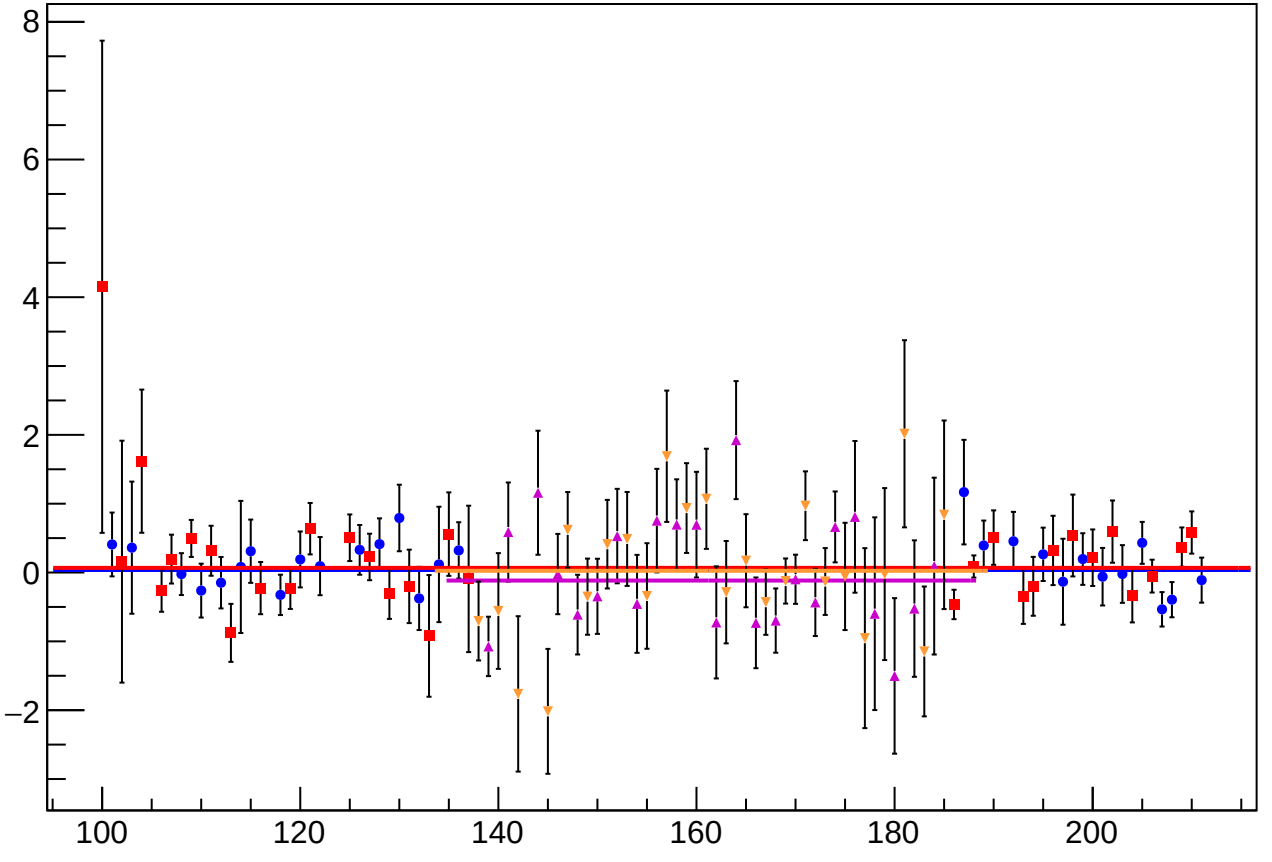
+ sign 0.034+/-0.065 χ^2/NDF: 52.9/51

All: 0.034+/-0.043 χ^2/NDF: 120.6/105

- sign 0.033+/-0.057 χ^2/NDF: 67.7/53


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
Right In: 282.086+/-0.052 χ²/NDF: 2422155.1/27
Left Out: 536.822+/-0.095 χ²/NDF:3963422.5/23
Right Out: 236.598+/-0.045 χ²/NDF: 5237868.6/30
Left In: 531.773+/-0.094 χ²/NDF:3381293.8/22
+ sign 341.162+/-0.046 χ²/NDF: 11939503.0/51
All: 313.446+/-0.030 χ²/NDF: 29296680.6/10
- sign 291.653+/-0.040 χ²/NDF: 16697847.5/53

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.037+/-0.074 χ^2/NDF: 23.8/27

Left Out: 0.025+/-0.134 χ^2/NDF:29.1/23

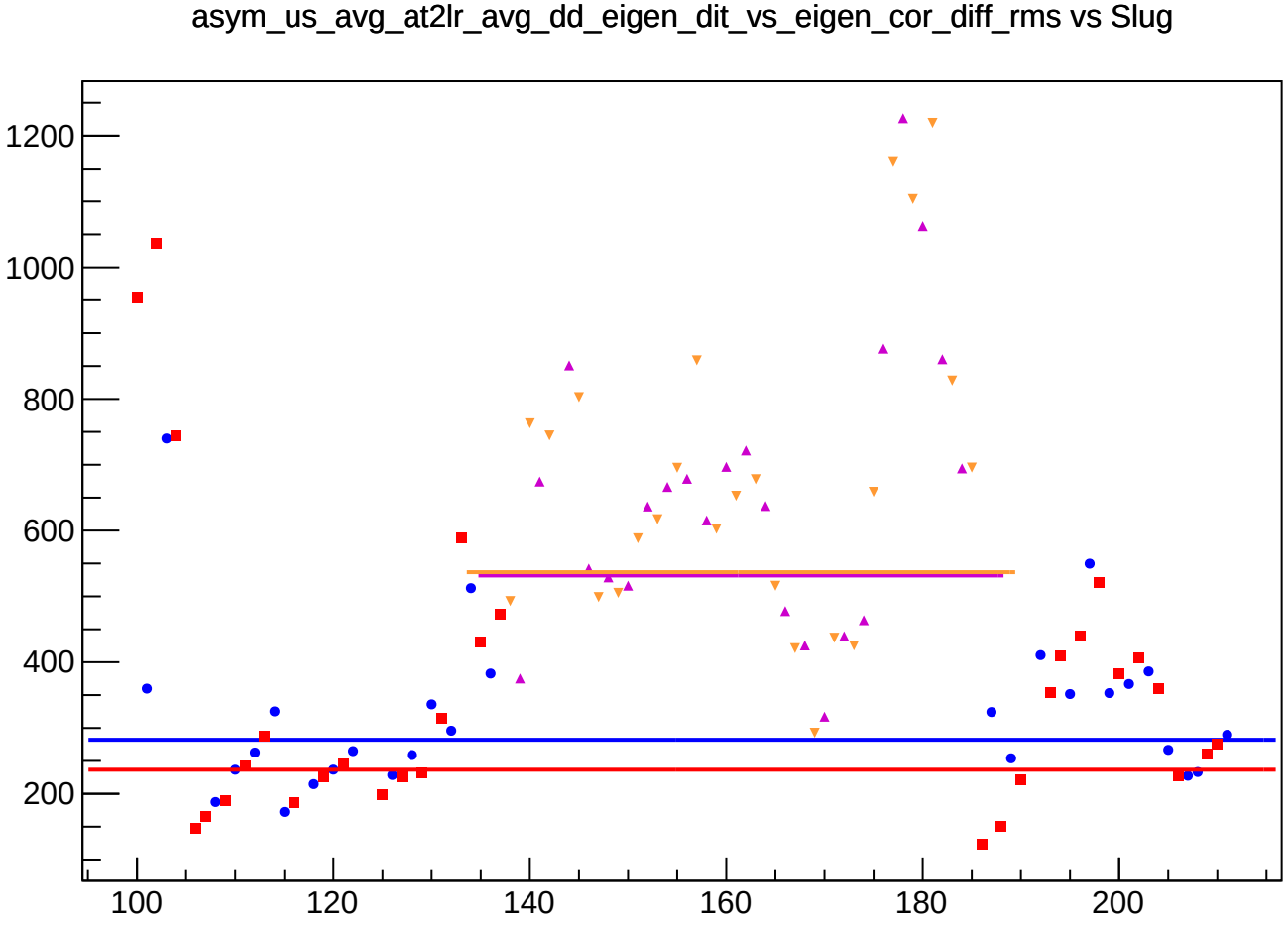
Right Out: 0.068+/-0.063 χ^2/NDF: 38.3/30

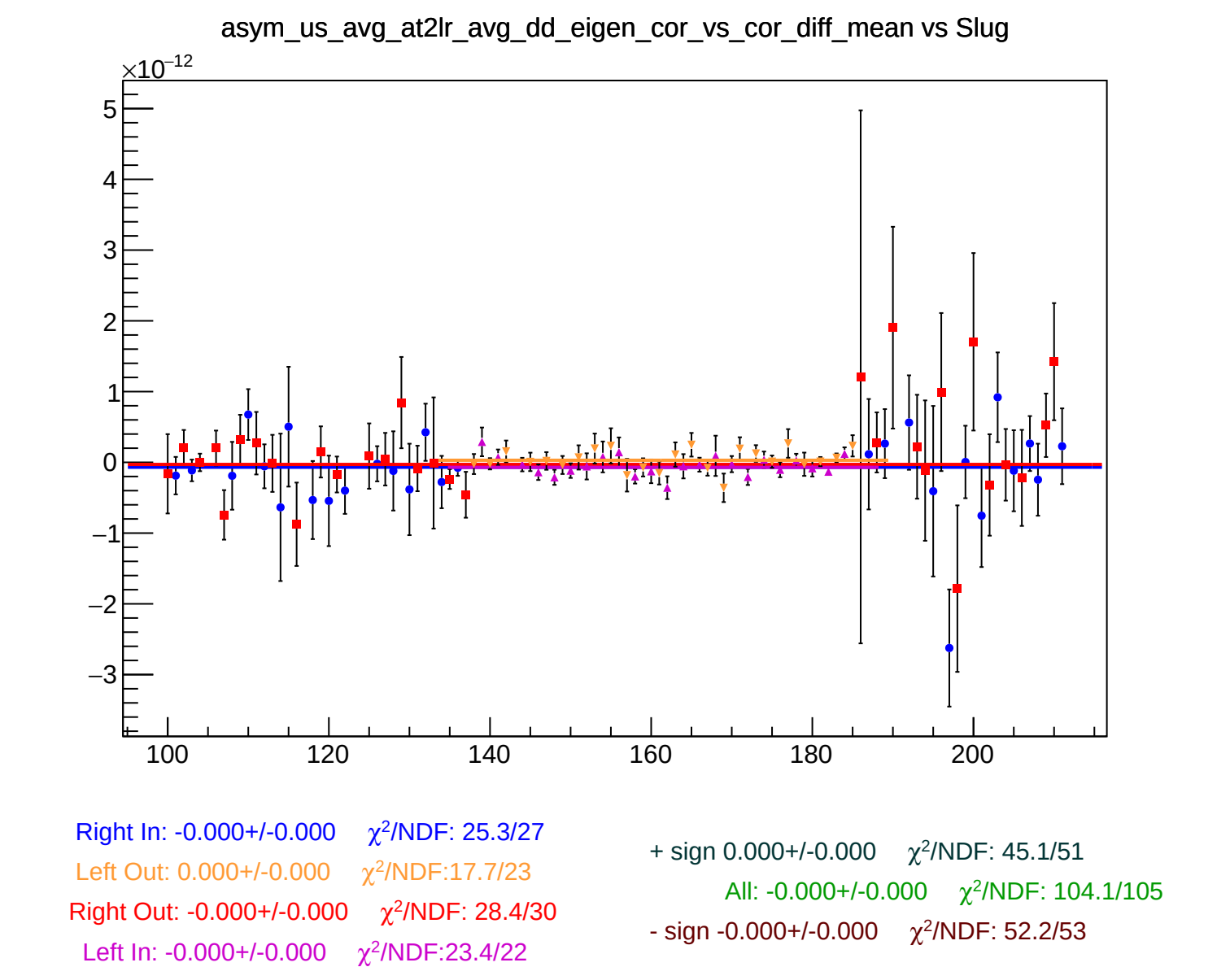
Left In: -0.117+/-0.132 χ^2/NDF:27.8/22

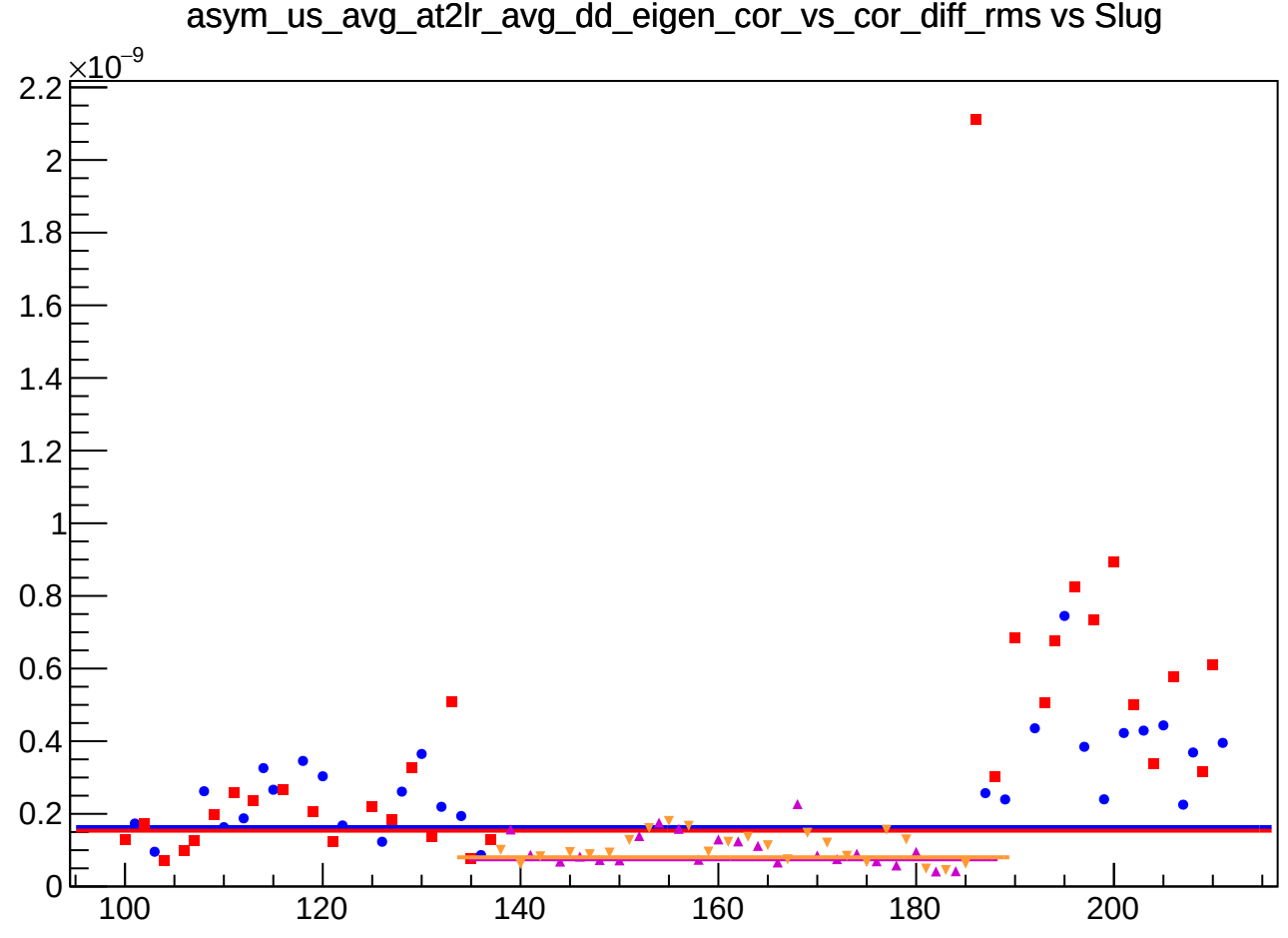
+ sign 0.034+/-0.065 χ^2/NDF: 52.9/51

All: 0.034+/-0.043 χ^2/NDF: 120.6/105

- sign 0.033+/-0.057 χ^2/NDF: 67.7/53


asym_us_avg_at2lr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug
1200
1000
800
600
400
200
100
120
140
160
180
200
Right In: 282.086+/-0.052 χ²/NDF: 2422155.1/27
Left Out: 536.822+/-0.095 χ²/NDF:3963422.5/23
Right Out: 236.598+/-0.045 χ²/NDF: 5237868.6/30
Left In: 531.773+/-0.094 χ²/NDF:3381293.8/22
+ sign 341.162+/-0.046 χ²/NDF: 11939503.0/51
All: 313.446+/-0.030 χ²/NDF: 29296680.6/10
- sign 291.653+/-0.040 χ²/NDF: 16697847.5/53


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
Right In: -0.000+/-0.000 χ²/NDF: 25.3/27
Left Out: 0.000+/-0.000 χ²/NDF:17.7/23
Right Out: -0.000+/-0.000 χ²/NDF: 28.4/30
Left In: -0.000+/-0.000 χ²/NDF:23.4/22
+ sign 0.000+/-0.000 χ²/NDF: 45.1/51
All: -0.000+/-0.000 χ²/NDF: 104.1/105
- sign -0.000+/-0.000 χ²/NDF: 52.2/53



Right In: 0.000+/-0.000 χ^2/NDF: 5067531.6/27

Left Out: 0.000+/-0.000 χ^2/NDF:3732870.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 8852963.2/30

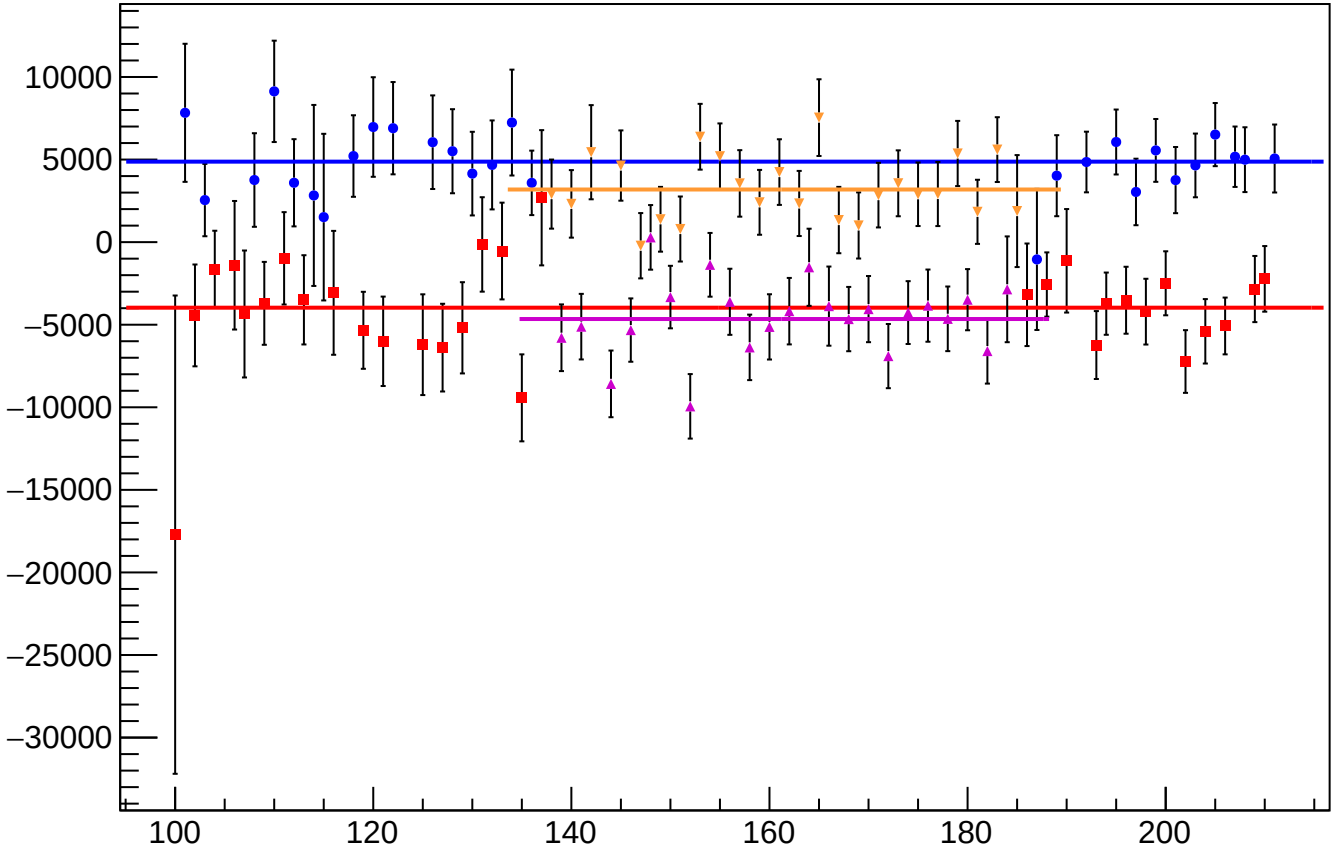
Left In: 0.000+/-0.000 χ^2/NDF:3665599.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 11759727.6/51

All: 0.000+/-0.000 χ^2/NDF: 27246111.5/105

- sign 0.000+/-0.000 χ^2/NDF: 15407793.2/53

reg_asym_us_avg_atlr_avg_avg_mean vs Slug



Right In: 4874.066+/-450.289 χ^2/NDF: 11.3/27

Left Out: 3187.125+/-418.619 χ^2/NDF:19.9/23

Right Out: -3969.120+/-438.664 χ^2/NDF: 24.5/30

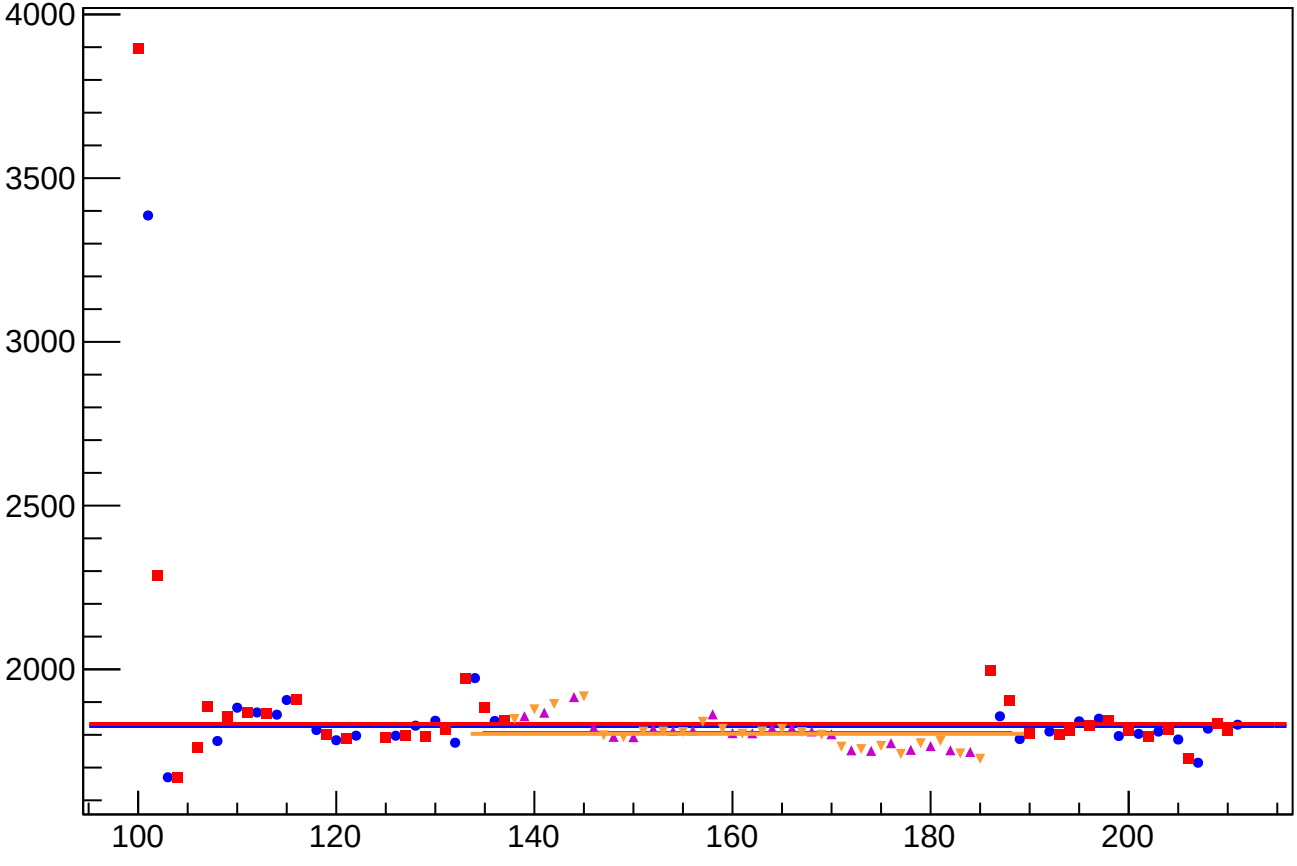
Left In: -4655.206+/-421.691 χ^2/NDF:27.7/22

+ sign 3969.191+/-306.594 χ^2/NDF: 38.7/51

All: -213.427+/-215.873 χ^2/NDF: 461.2/105

- sign -4325.693+/-304.004 χ^2/NDF: 53.4/53

reg_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1827.120+/-0.318 χ^2/NDF: 307280.0/27

Left Out: 1803.115+/-0.296 χ^2/NDF:20641.1/23

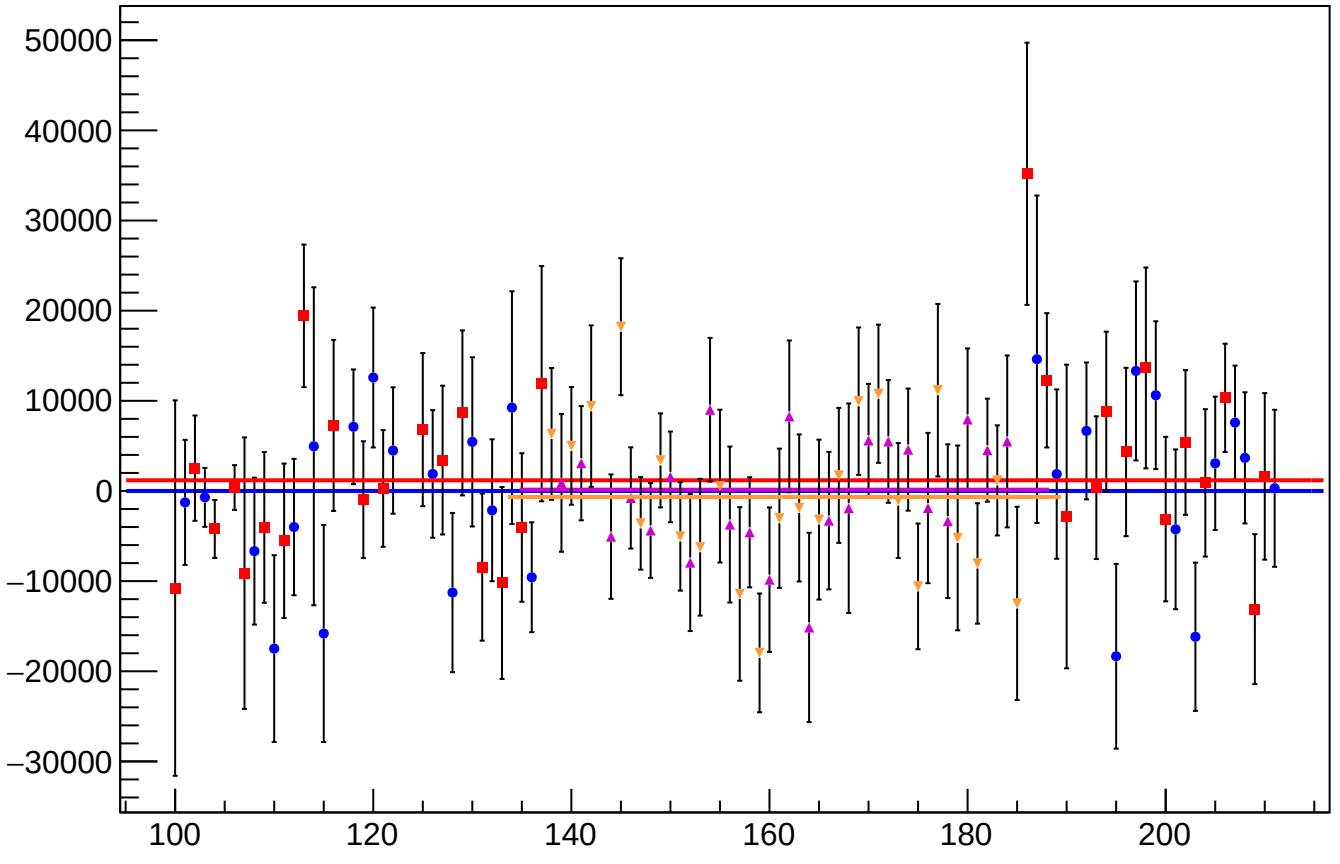
Right Out: 1833.140+/-0.310 χ^2/NDF: 121597.1/30

Left In: 1805.559+/-0.298 χ^2/NDF:19314.7/22

+ sign 1814.244+/-0.217 χ^2/NDF: 330970.2/51

All: 1816.554+/-0.153 χ^2/NDF: 476221.5/105

- sign 1818.822+/-0.215 χ^2/NDF: 145026.3/53



Right In: 1.841+/-1427.923 χ^2/NDF: 29.2/27

Left Out: -667.243+/-1478.798 χ^2/NDF:29.8/23

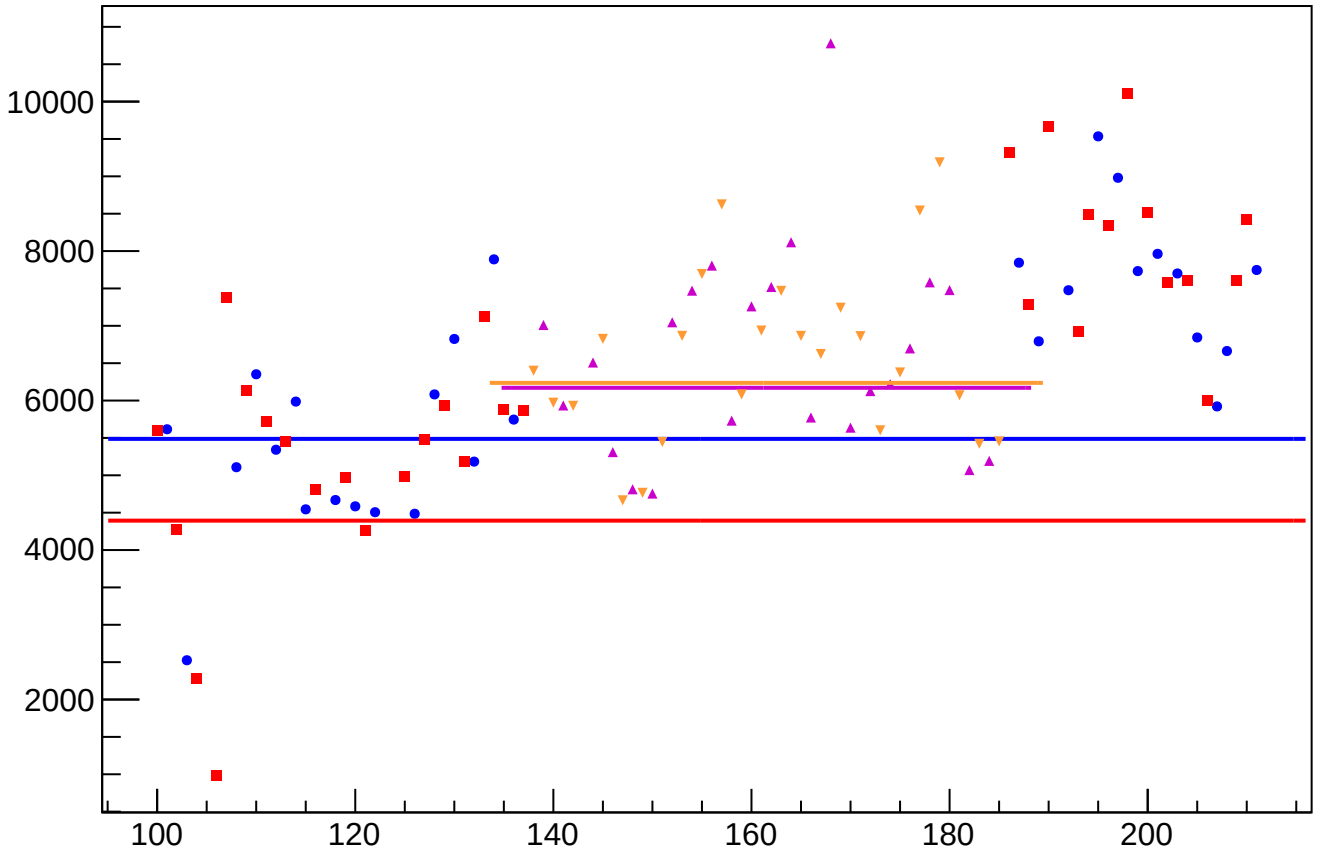
Right Out: 1186.842+/-1236.459 χ^2/NDF: 31.1/30

Left In: 143.435+/-1471.371 χ^2/NDF:13.6/22

+ sign -320.994+/-1027.209 χ^2/NDF: 59.0/51

All: 260.861+/-696.104 χ^2/NDF: 104.6/105

- sign 754.981+/-946.602 χ^2/NDF: 44.9/53



Right In: 5487.346+/-1.010 χ^2/NDF: 3424868.0/27

Left Out: 6236.636+/-1.046 χ^2/NDF:1067659.4/23

Right Out: 4393.480+/-0.874 χ^2/NDF: 9362789.2/30

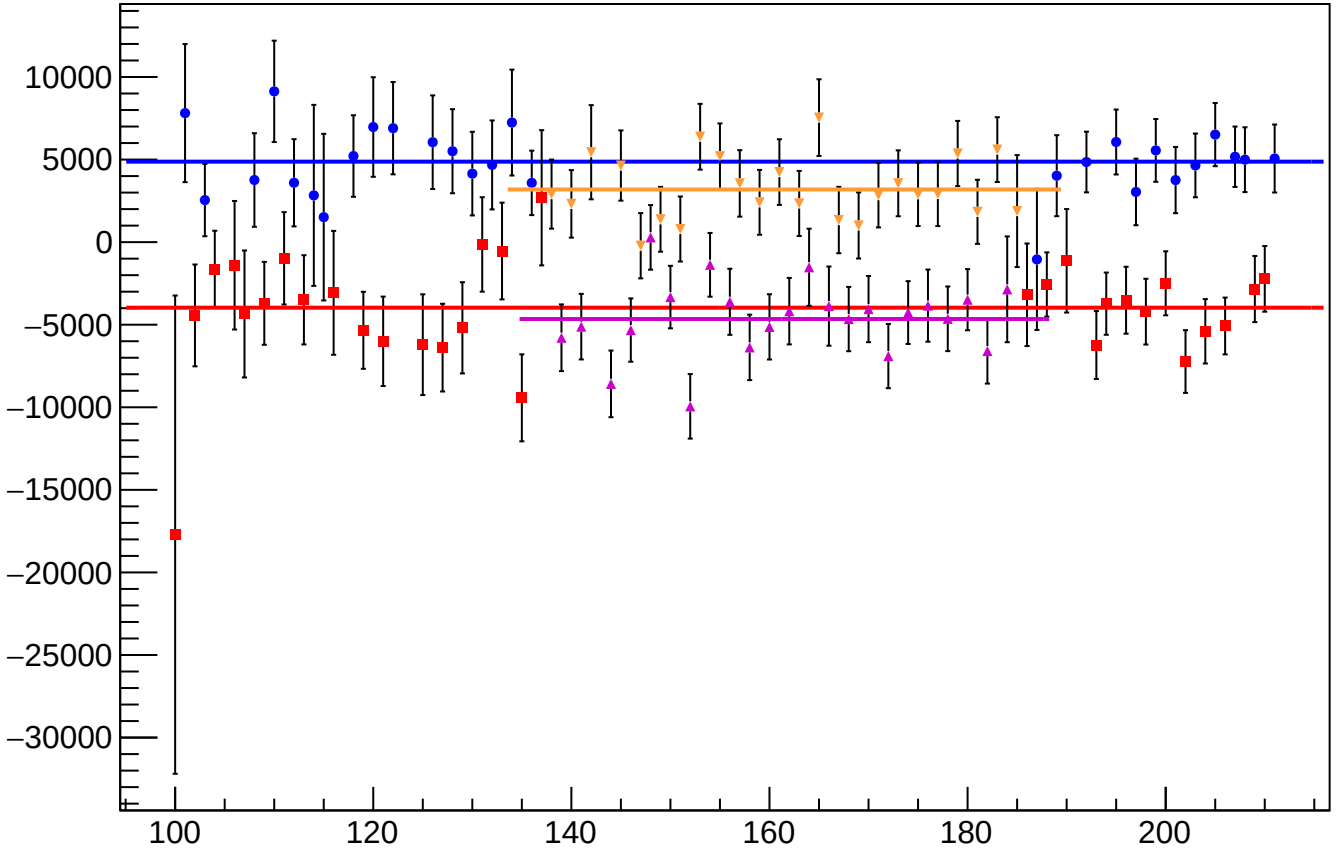
Left In: 6170.791+/-1.040 χ^2/NDF:1237554.5/22

+ sign 5848.881+/-0.726 χ^2/NDF: 4758244.6/51

All: 5459.645+/-0.492 χ^2/NDF: 17599986.9/1

- sign 5129.101+/-0.669 χ^2/NDF: 12310705.5/53

cor_asym_us_avg_atlr_avg_avg_mean vs Slug



Right In: 4873.884+/-450.289 χ^2/NDF: 11.3/27

Left Out: 3187.056+/-418.619 χ^2/NDF:19.9/23

Right Out: -3969.038+/-438.664 χ^2/NDF: 24.5/30

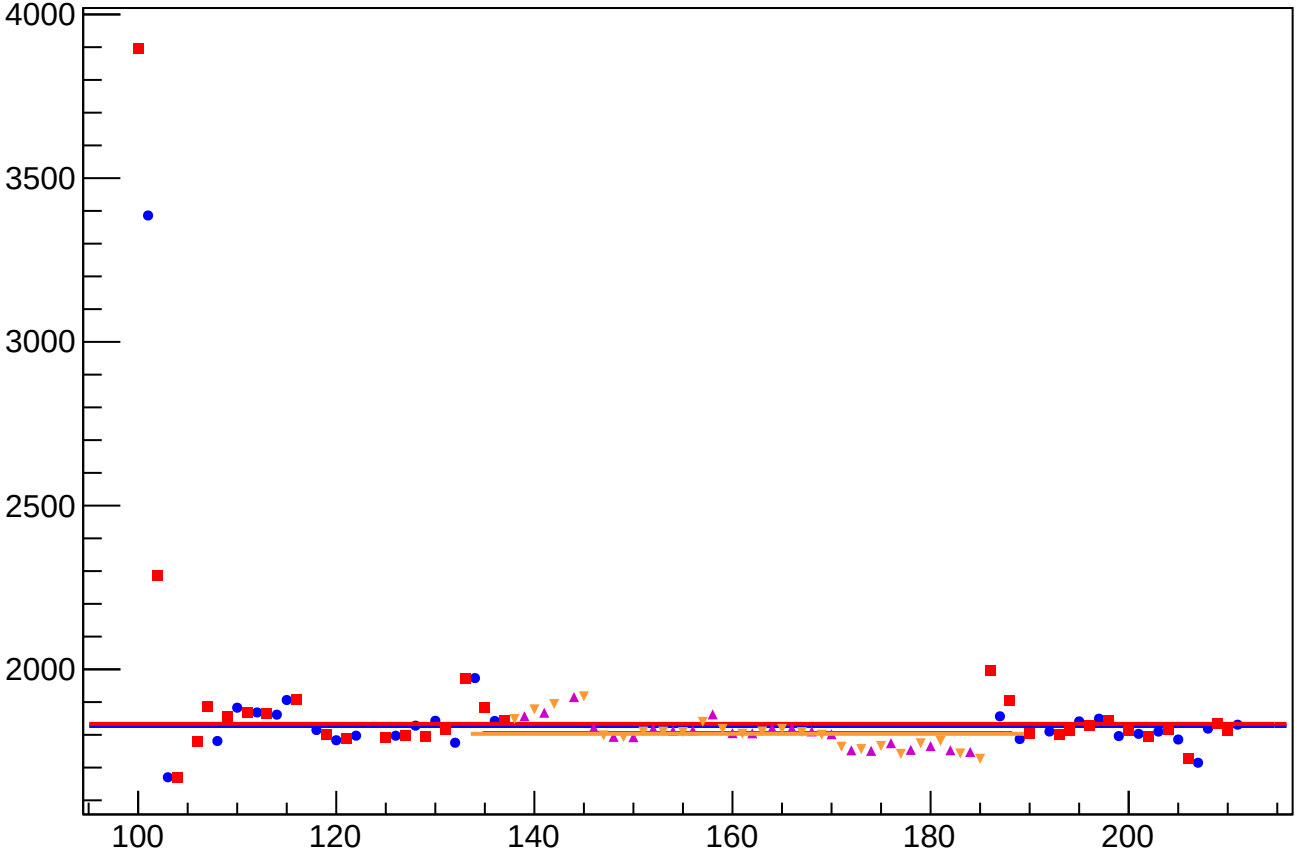
Left In: -4655.225+/-421.691 χ^2/NDF:27.7/22

+ sign 3969.070+/-306.594 χ^2/NDF: 38.7/51

All: -213.472+/-215.873 χ^2/NDF: 461.2/105

- sign -4325.663+/-304.004 χ^2/NDF: 53.4/53

cor_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1827.120+/-0.318 χ^2/NDF: 307281.9/27

Left Out: 1803.115+/-0.296 χ^2/NDF:20641.1/23

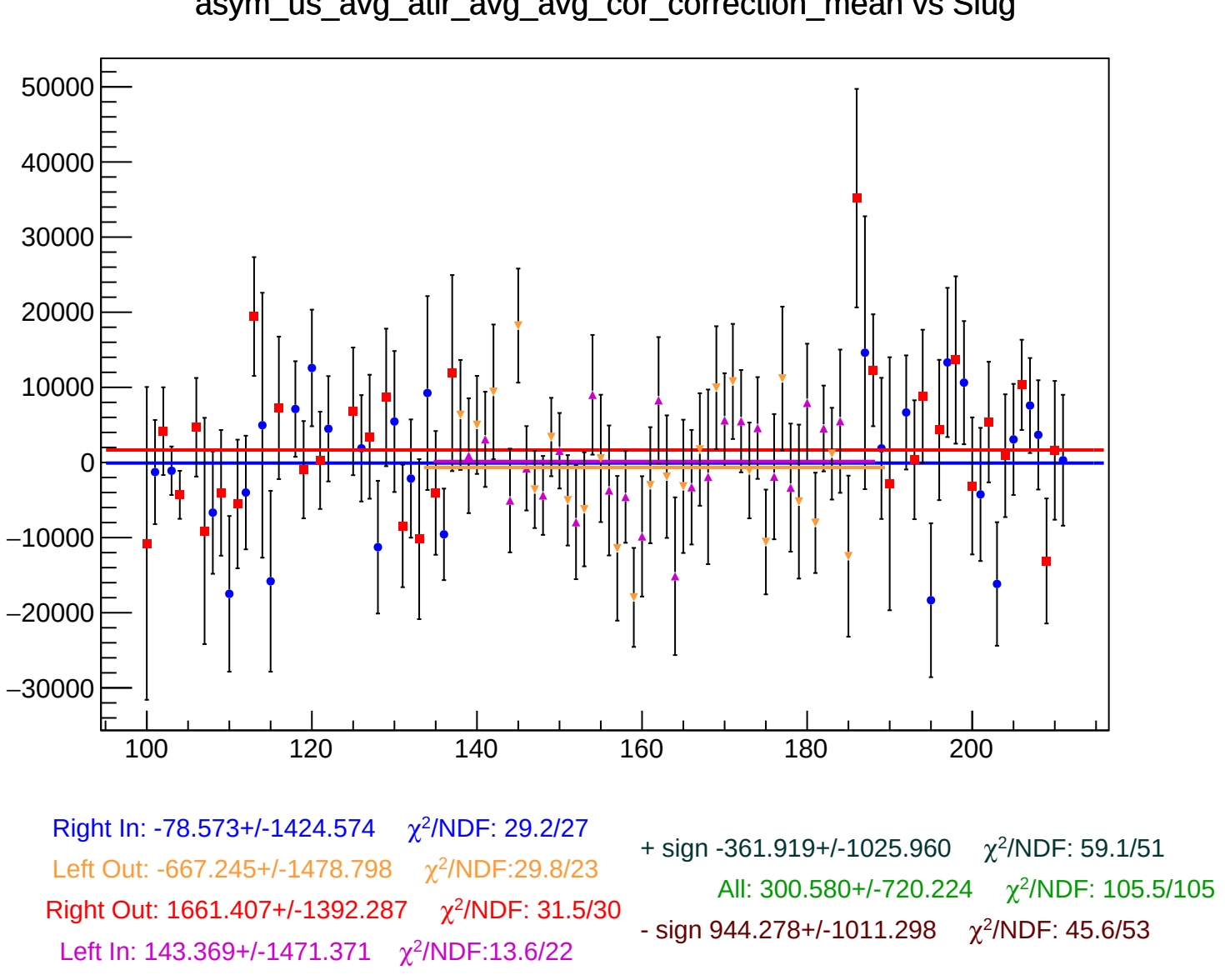
Right Out: 1833.417+/-0.310 χ^2/NDF: 121246.3/30

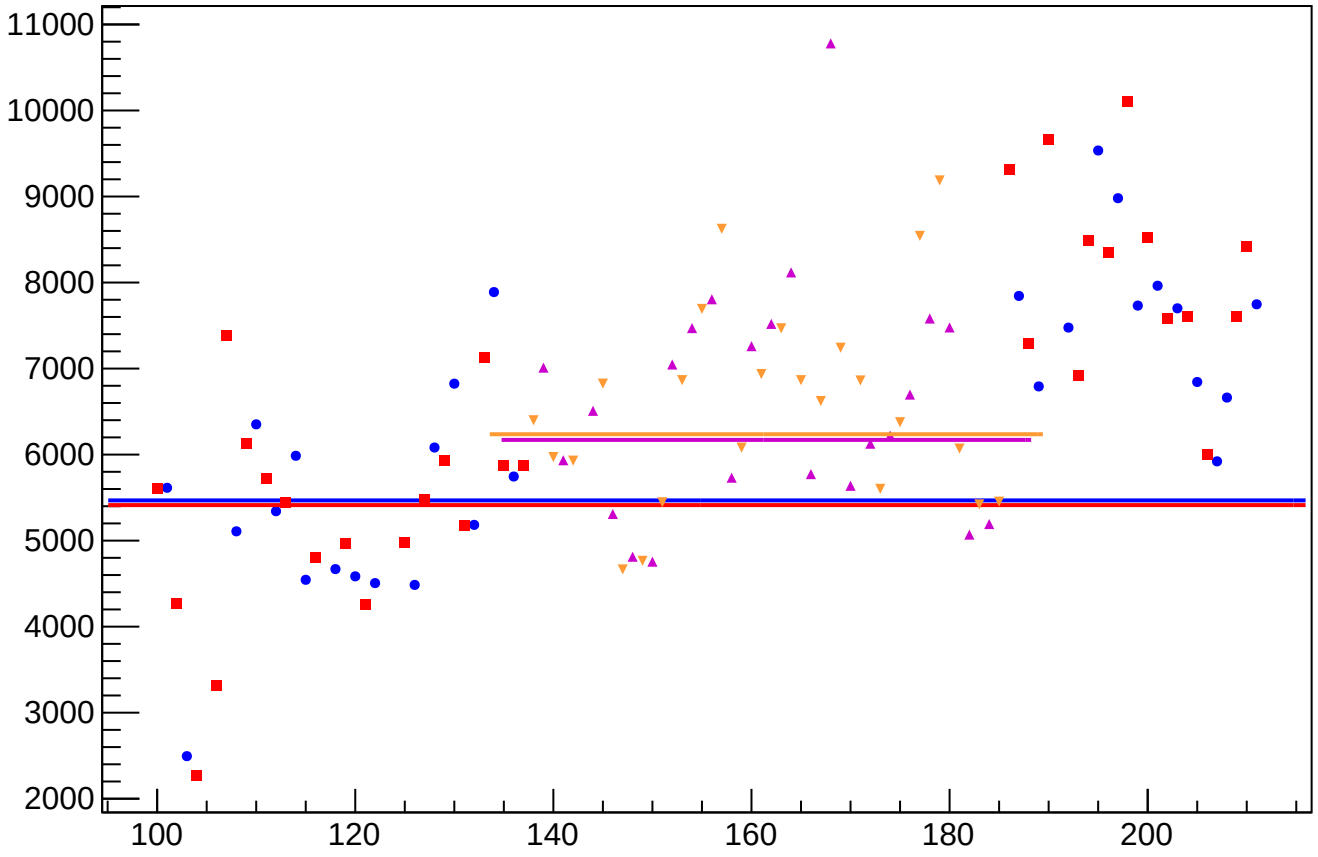
Left In: 1805.559+/-0.298 χ^2/NDF:19314.6/22

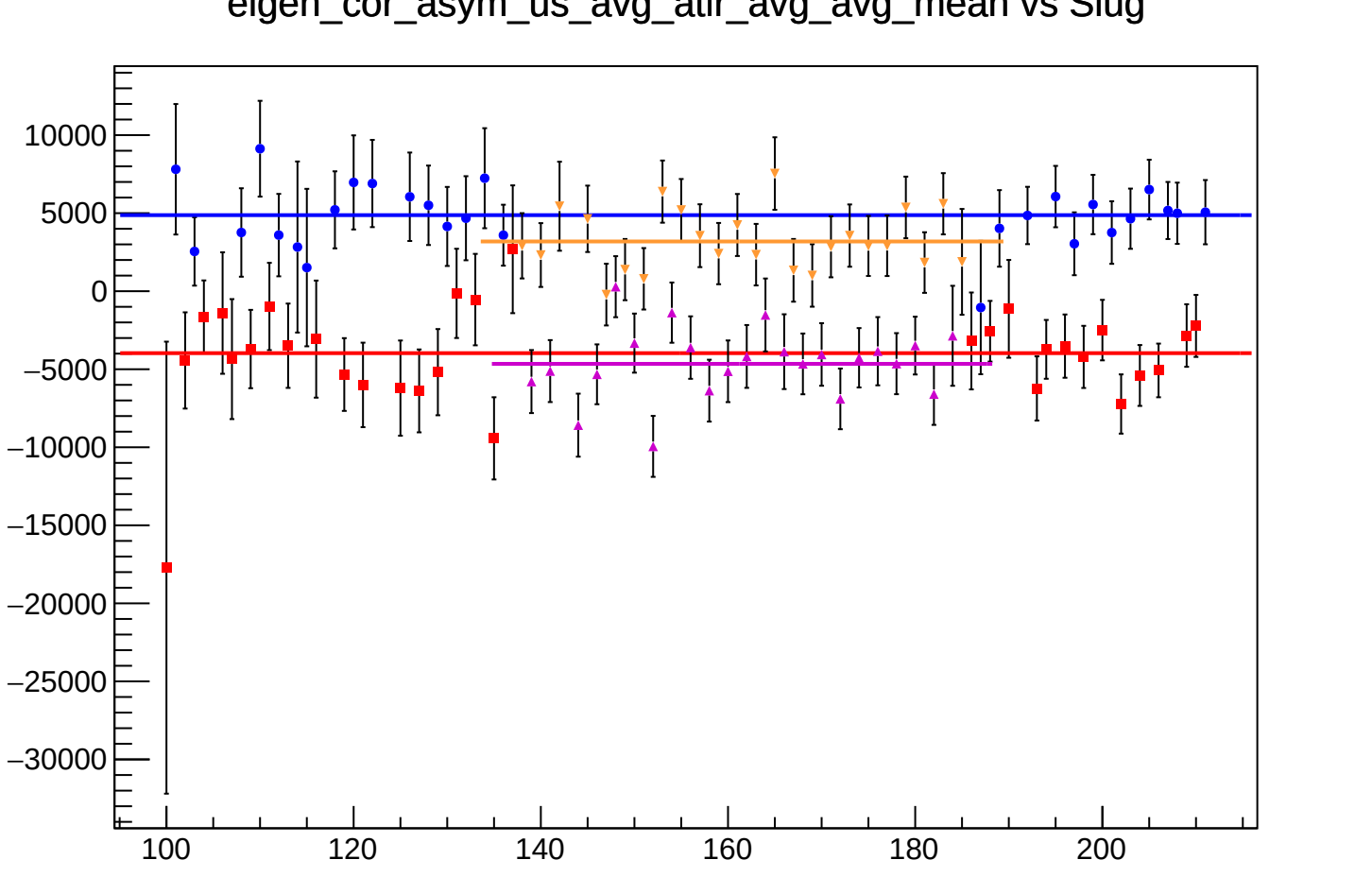
+ sign 1814.244+/-0.217 χ^2/NDF: 330972.0/51

All: 1816.620+/-0.153 χ^2/NDF: 475967.9/105

- sign 1818.953+/-0.215 χ^2/NDF: 144757.8/53


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
Right In: -78.573+/-1424.574 χ²/NDF: 29.2/27
Left Out: -667.245+/-1478.798 χ²/NDF:29.8/23
Right Out: 1661.407+/-1392.287 χ²/NDF: 31.5/30
Left In: 143.369+/-1471.371 χ²/NDF:13.6/22
+ sign -361.919+/-1025.960 χ²/NDF: 59.1/51
All: 300.580+/-720.224 χ²/NDF: 105.5/105
- sign 944.278+/-1011.298 χ²/NDF: 45.6/53


asym_us_avg_atlr_avg_avg_cor_correction_rms vs Slug
11000
10000
9000
8000
7000
6000
5000
4000
3000
2000
100
120
140
160
180
200
Right In: 5467.460+/-1.007 χ²/NDF: 3500034.5/27
Left Out: 6236.635+/-1.046 χ²/NDF:1067665.4/23
Right Out: 5412.887+/-0.984 χ²/NDF: 4580553.8/30
Left In: 6170.789+/-1.040 χ²/NDF:1237564.5/22
+ sign 5837.687+/-0.725 χ²/NDF: 4848342.5/51
All: 5803.825+/-0.509 χ²/NDF: 10950726.9/1
- sign 5770.923+/-0.715 χ²/NDF: 6098088.8/53



Right In: 4873.884+/-450.289 χ^2/NDF: 11.3/27

Left Out: 3187.056+/-418.619 χ^2/NDF:19.9/23

Right Out: -3969.038+/-438.664 χ^2/NDF: 24.5/30

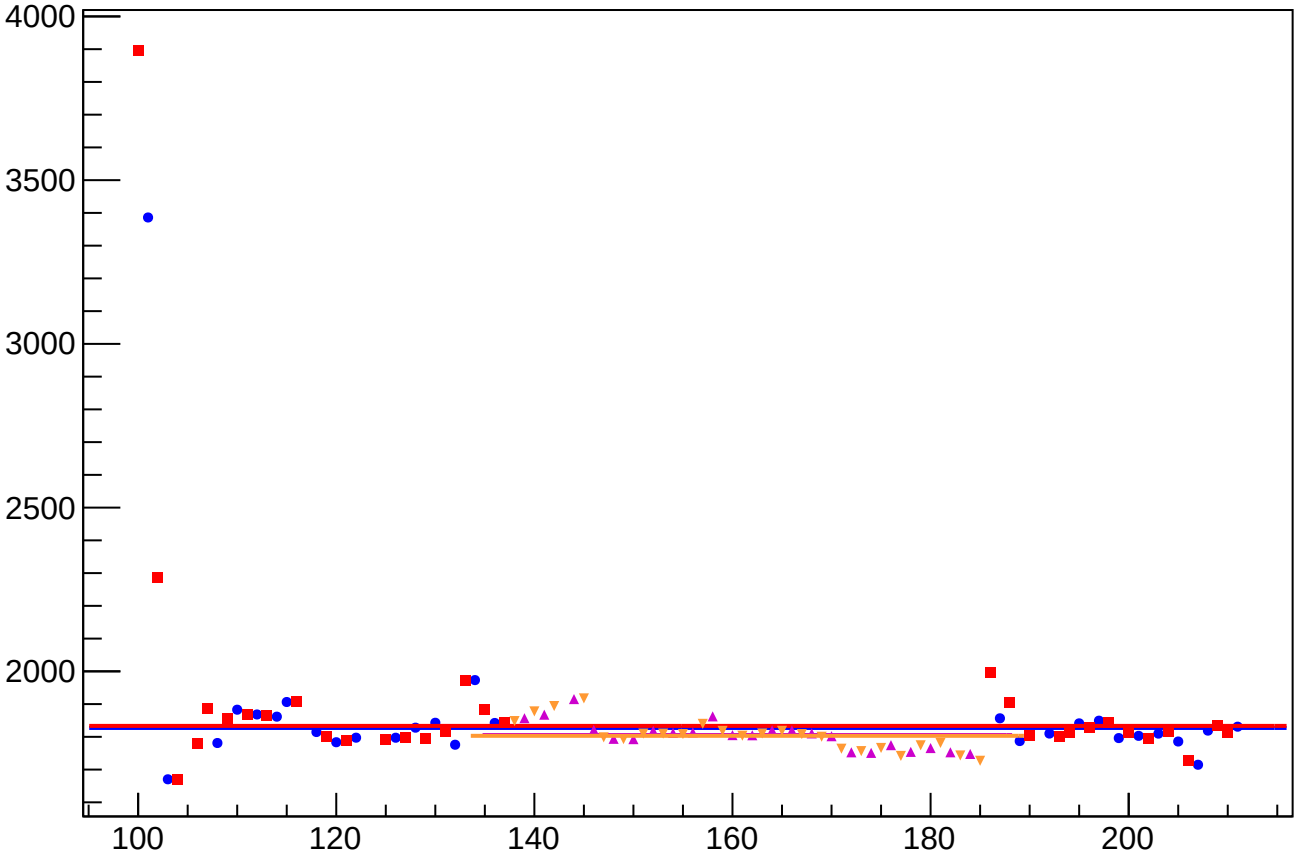
Left In: -4655.225+/-421.691 χ^2/NDF:27.7/22

+ sign 3969.070+/-306.594 χ^2/NDF: 38.7/51

All: -213.472+/-215.873 χ^2/NDF: 461.2/105

- sign -4325.663+/-304.004 χ^2/NDF: 53.4/53

eigen_cor_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1827.120+/-0.318 χ^2/NDF: 307281.9/27

Left Out: 1803.115+/-0.296 χ^2/NDF:20641.1/23

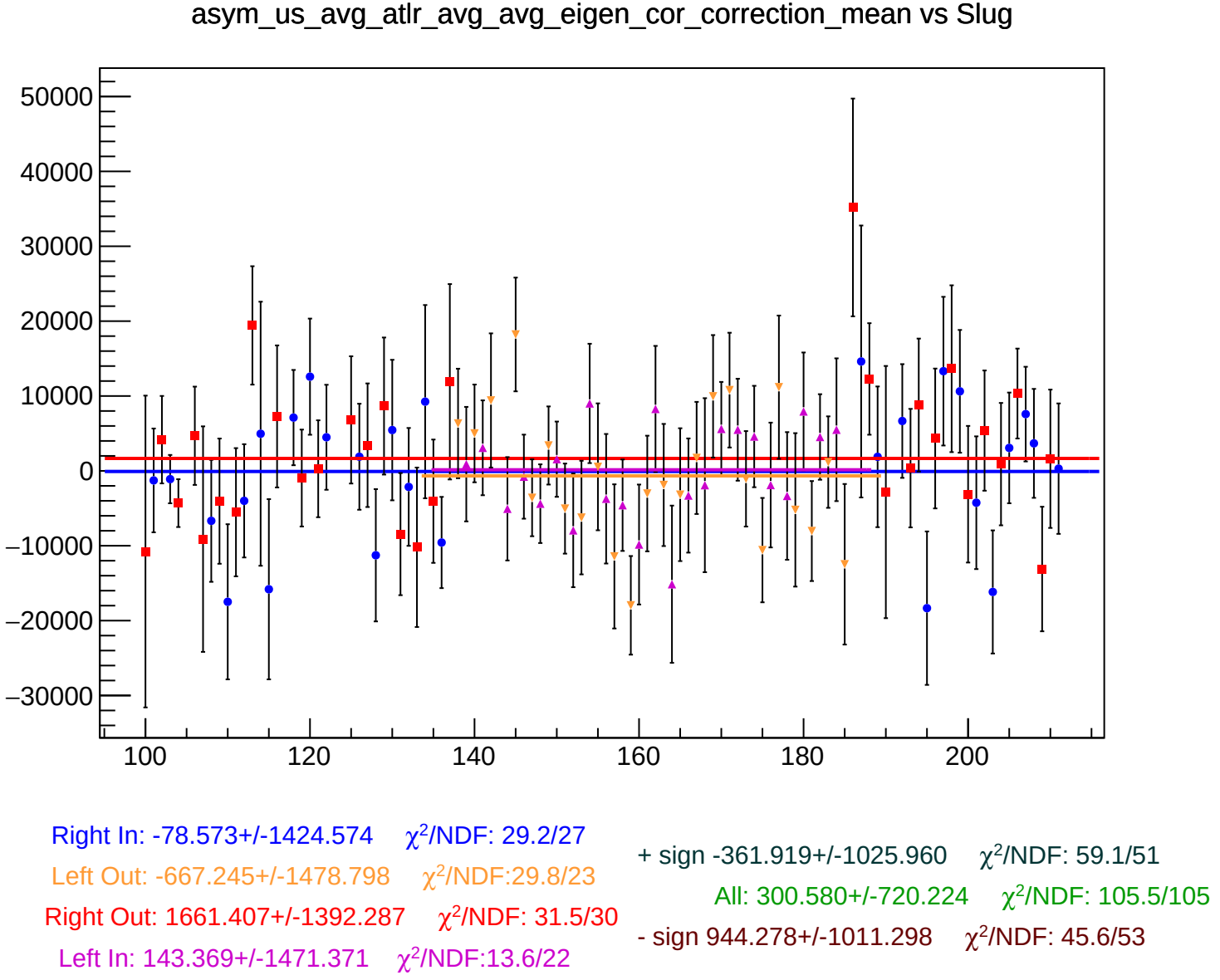
Right Out: 1833.417+/-0.310 χ^2/NDF: 121246.3/30

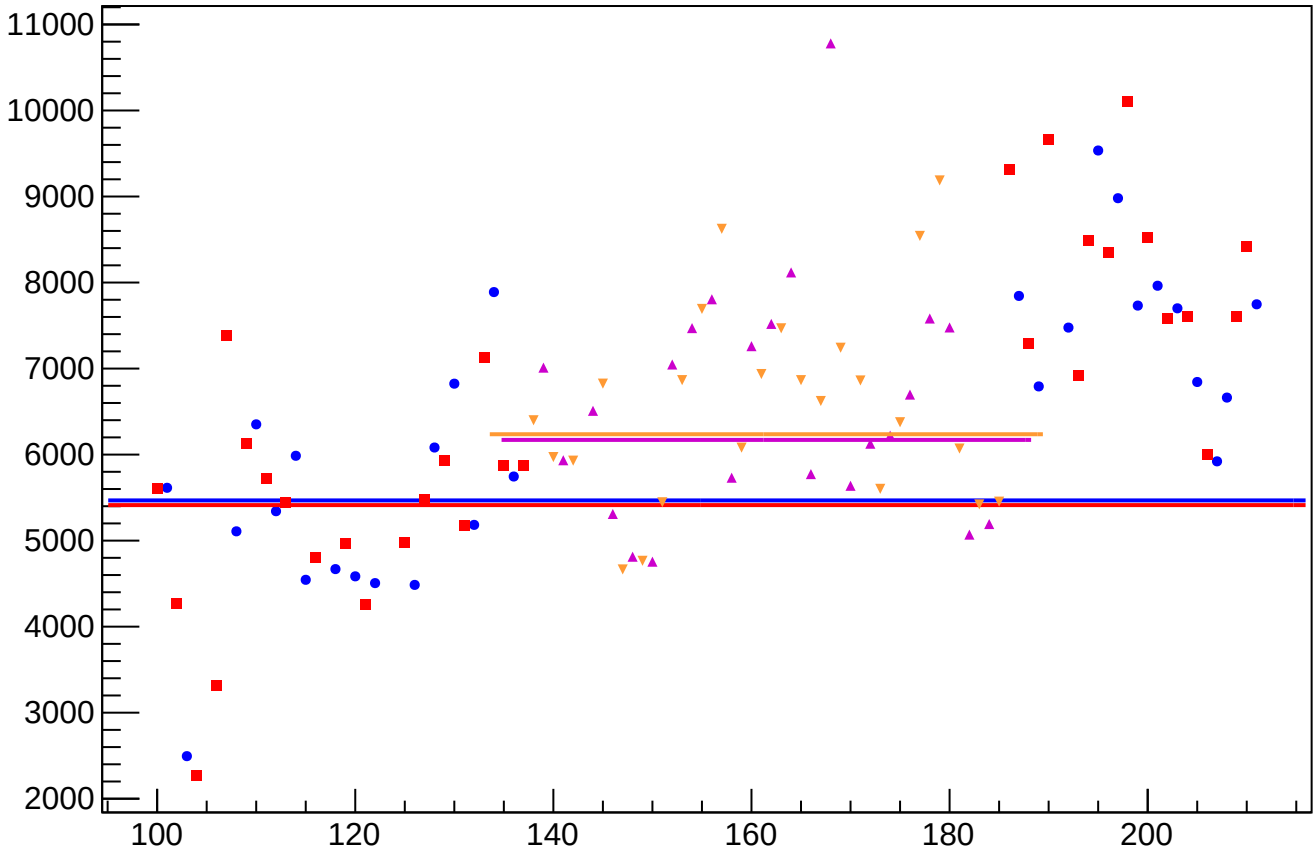
Left In: 1805.559+/-0.298 χ^2/NDF:19314.6/22

+ sign 1814.244+/-0.217 χ^2/NDF: 330972.0/51

All: 1816.620+/-0.153 χ^2/NDF: 475967.9/105

- sign 1818.953+/-0.215 χ^2/NDF: 144757.8/53


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
Right In: -78.573+/-1424.574 χ²/NDF: 29.2/27
Left Out: -667.245+/-1478.798 χ²/NDF:29.8/23
Right Out: 1661.407+/-1392.287 χ²/NDF: 31.5/30
Left In: 143.369+/-1471.371 χ²/NDF:13.6/22
+ sign -361.919+/-1025.960 χ²/NDF: 59.1/51
All: 300.580+/-720.224 χ²/NDF: 105.5/105
- sign 944.278+/-1011.298 χ²/NDF: 45.6/53



Right In: 5467.460+/-1.007 χ^2/NDF: 3500034.5/27

Left Out: 6236.635+/-1.046 χ^2/NDF:1067665.4/23

Right Out: 5412.887+/-0.984 χ^2/NDF: 4580553.8/30

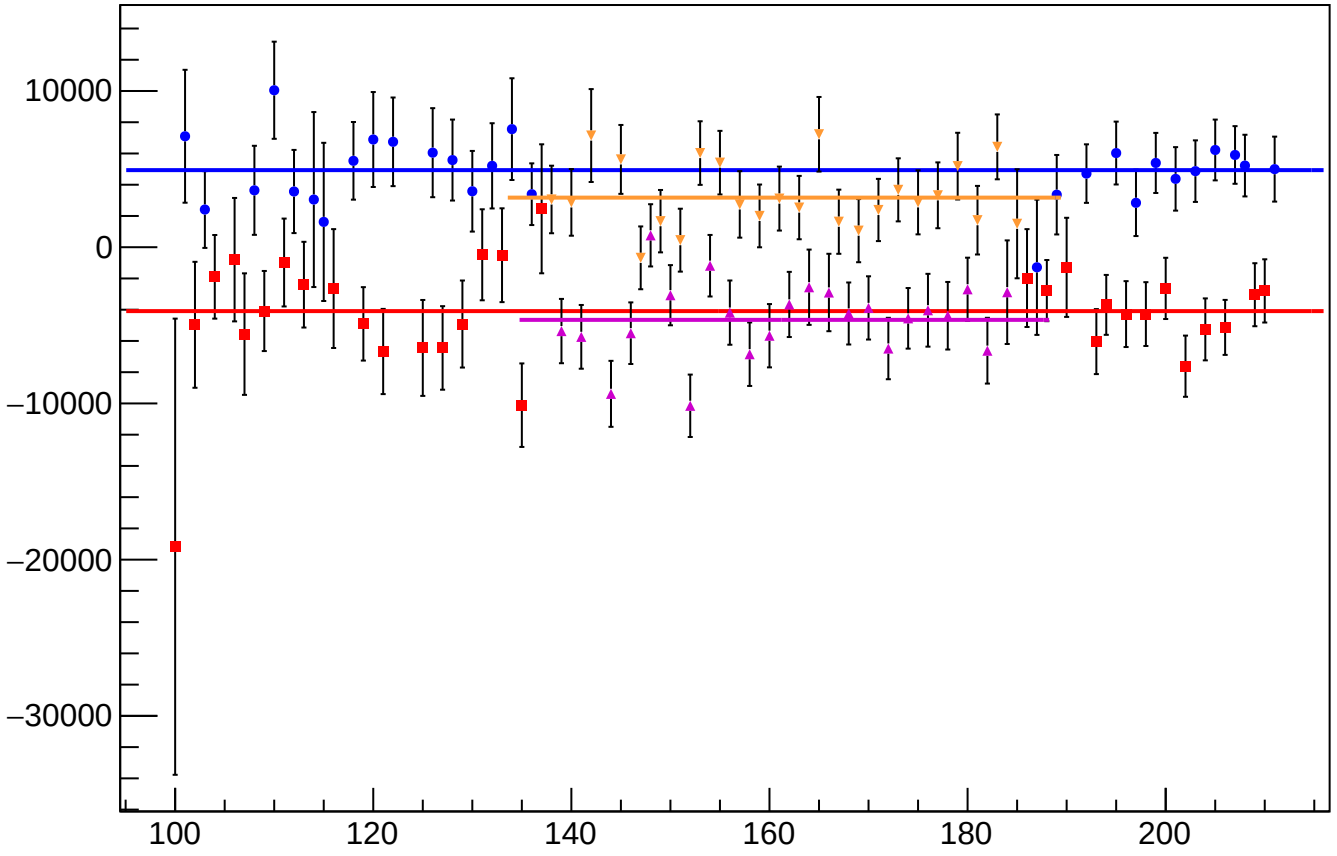
Left In: 6170.789+/-1.040 χ^2/NDF:1237564.5/22

+ sign 5837.687+/-0.725 χ^2/NDF: 4848342.5/51

All: 5803.825+/-0.509 χ^2/NDF: 10950726.9/1

- sign 5770.923+/-0.715 χ^2/NDF: 6098088.8/53

dit_asym_us_avg_atlr_avg_avg_mean vs Slug



Right In: 4934.371+/-459.408 χ^2/NDF: 12.3/27

Left Out: 3174.550+/-434.815 χ^2/NDF:21.6/23

Right Out: -4089.999+/-449.368 χ^2/NDF: 25.2/30

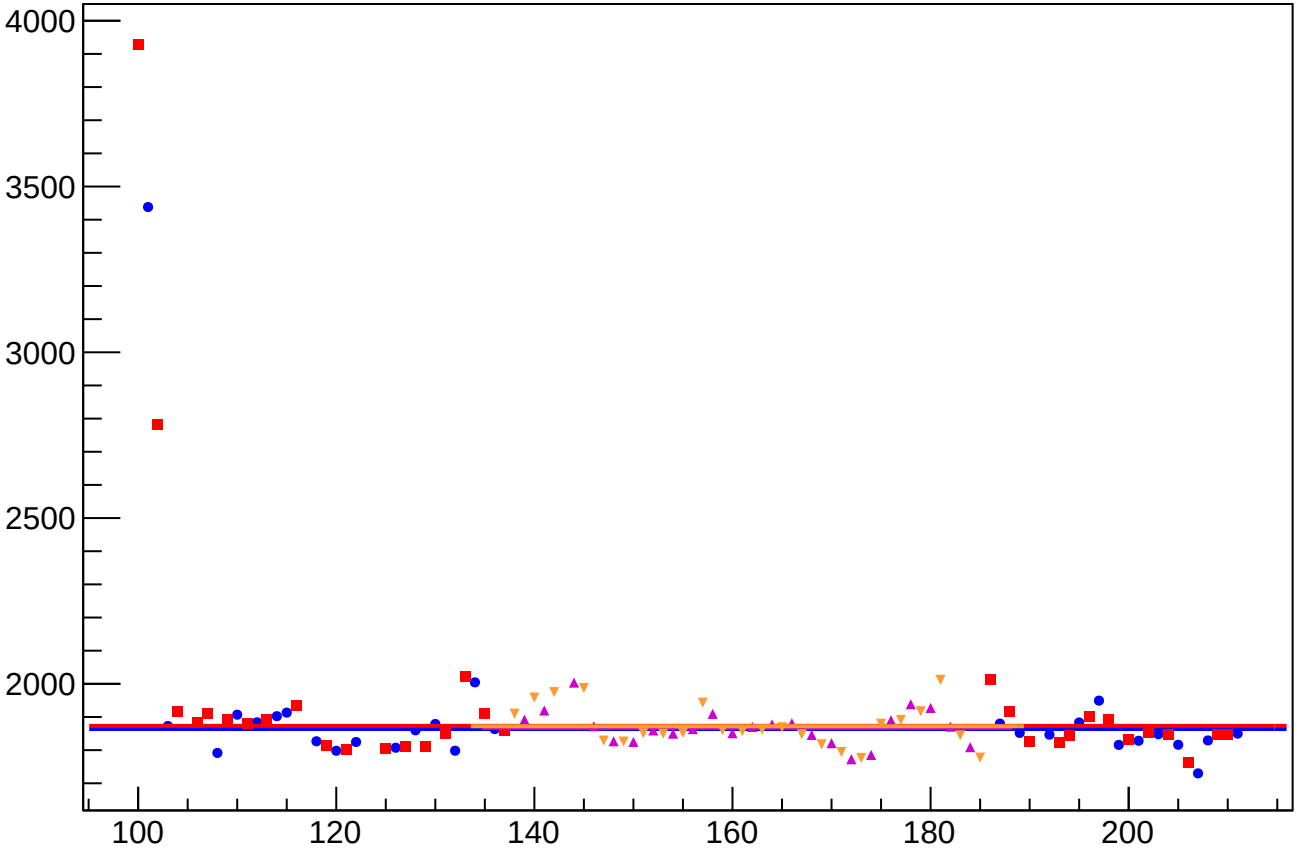
Left In: -4650.461+/-436.198 χ^2/NDF:30.5/22

+ sign 4006.098+/-315.797 χ^2/NDF: 41.6/51

All: -223.653+/-222.303 χ^2/NDF: 453.7/105

- sign -4378.563+/-312.991 χ^2/NDF: 56.5/53

dit_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1863.693+/-0.325 χ^2/NDF: 301689.6/27

Left Out: 1871.979+/-0.307 χ^2/NDF:37154.8/23

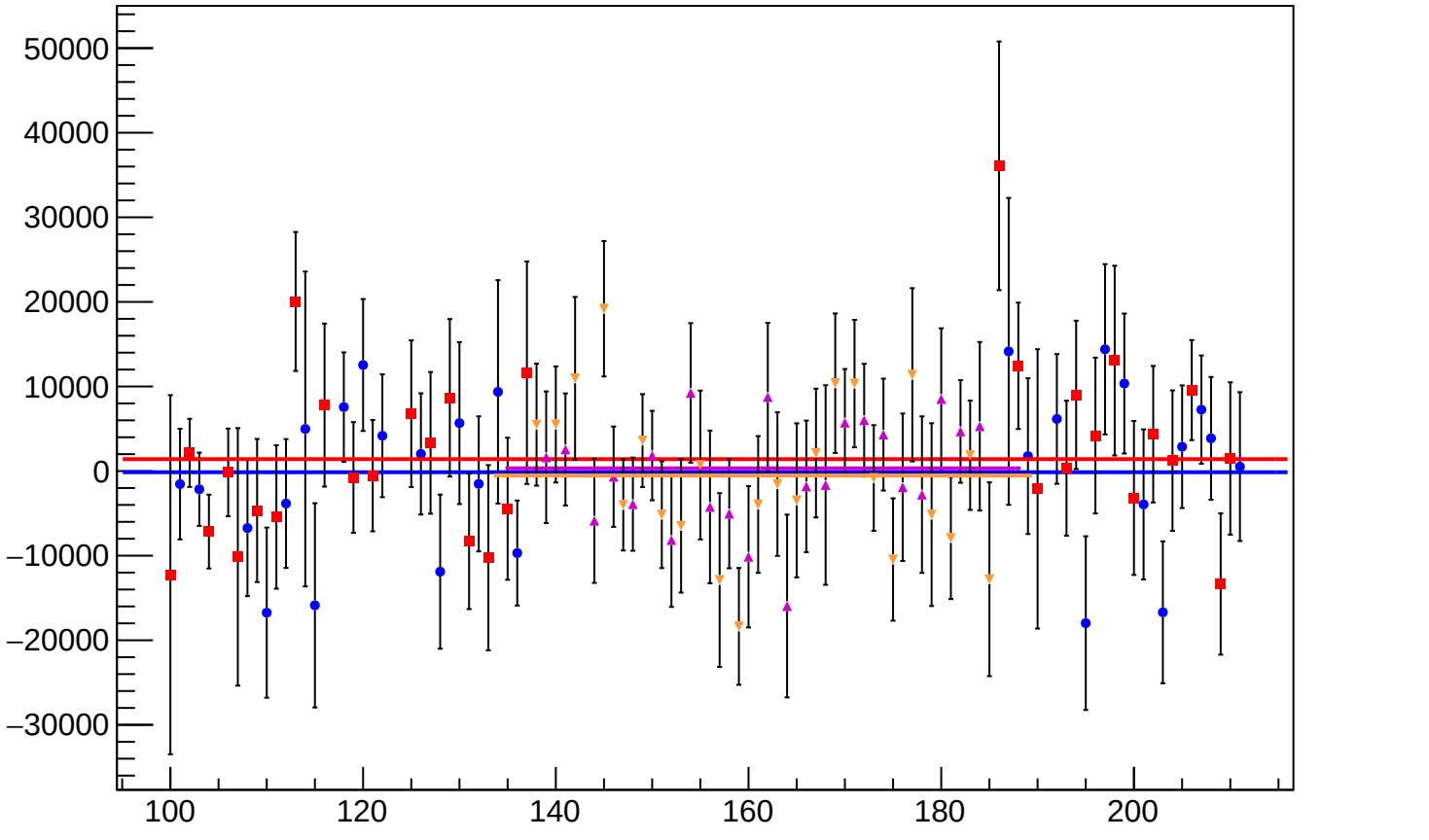
Right Out: 1873.279+/-0.318 χ^2/NDF: 171241.9/30

Left In: 1867.079+/-0.308 χ^2/NDF:27246.7/22

+ sign 1868.064+/-0.223 χ^2/NDF: 339187.6/51

All: 1869.085+/-0.157 χ^2/NDF: 537913.8/105

- sign 1870.088+/-0.221 χ^2/NDF: 198684.7/53



Right In: -134.734+/-1496.877 χ^2/NDF: 29.1/27

Left Out: -520.262+/-1536.784 χ^2/NDF:29.2/23

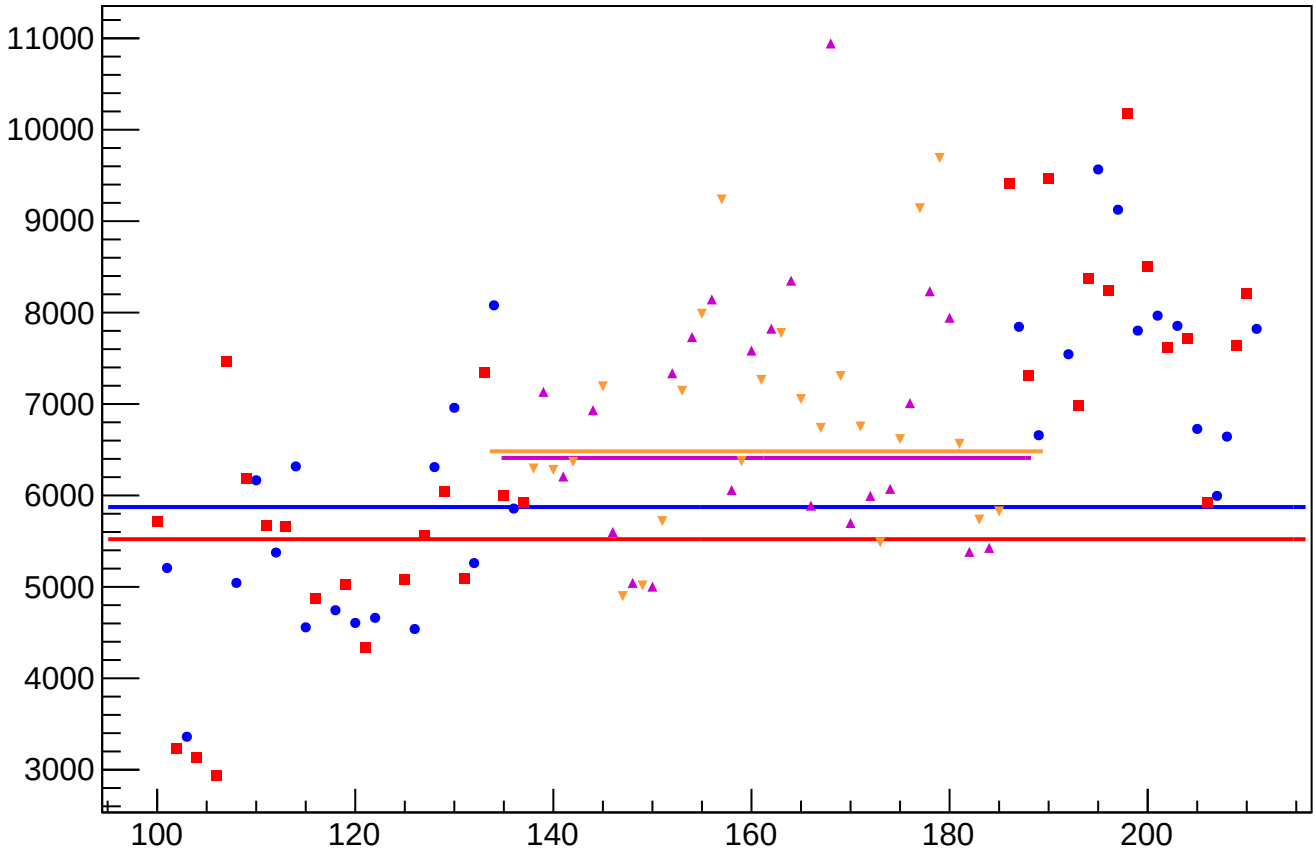
Right Out: 1410.669+/-1396.480 χ^2/NDF: 31.8/30

Left In: 324.625+/-1527.995 χ^2/NDF:13.4/22

+ sign -322.428+/-1072.283 χ^2/NDF: 58.3/51

All: 321.391+/-743.128 χ^2/NDF: 104.5/105

- sign 916.388+/-1030.825 χ^2/NDF: 45.5/53



Right In: 5873.090+/-1.058 χ^2/NDF: 2169130.9/27

Left Out: 6482.730+/-1.087 χ^2/NDF:1074584.9/23

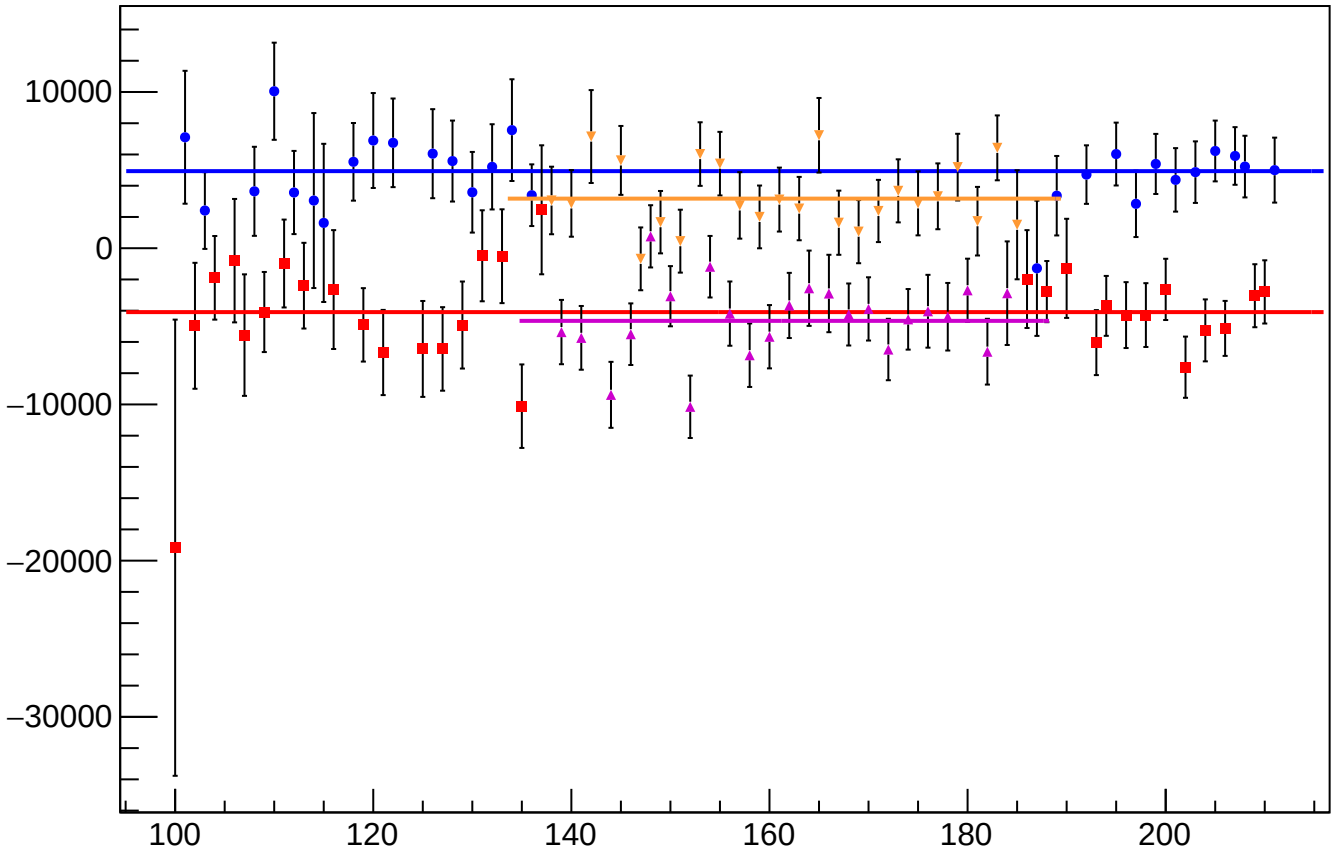
Right Out: 5521.838+/-0.987 χ^2/NDF: 3930952.3/30

Left In: 6410.419+/-1.080 χ^2/NDF:1219830.0/22

+ sign 6169.892+/-0.758 χ^2/NDF: 3405224.9/51

All: 6043.270+/-0.525 χ^2/NDF: 8978206.3/10

- sign 5926.249+/-0.729 χ^2/NDF: 5519318.6/53



Right In: 4934.368+/-459.408 χ^2/NDF: 12.3/27

Left Out: 3174.543+/-434.815 χ^2/NDF:21.6/23

Right Out: -4089.994+/-449.367 χ^2/NDF: 25.2/30

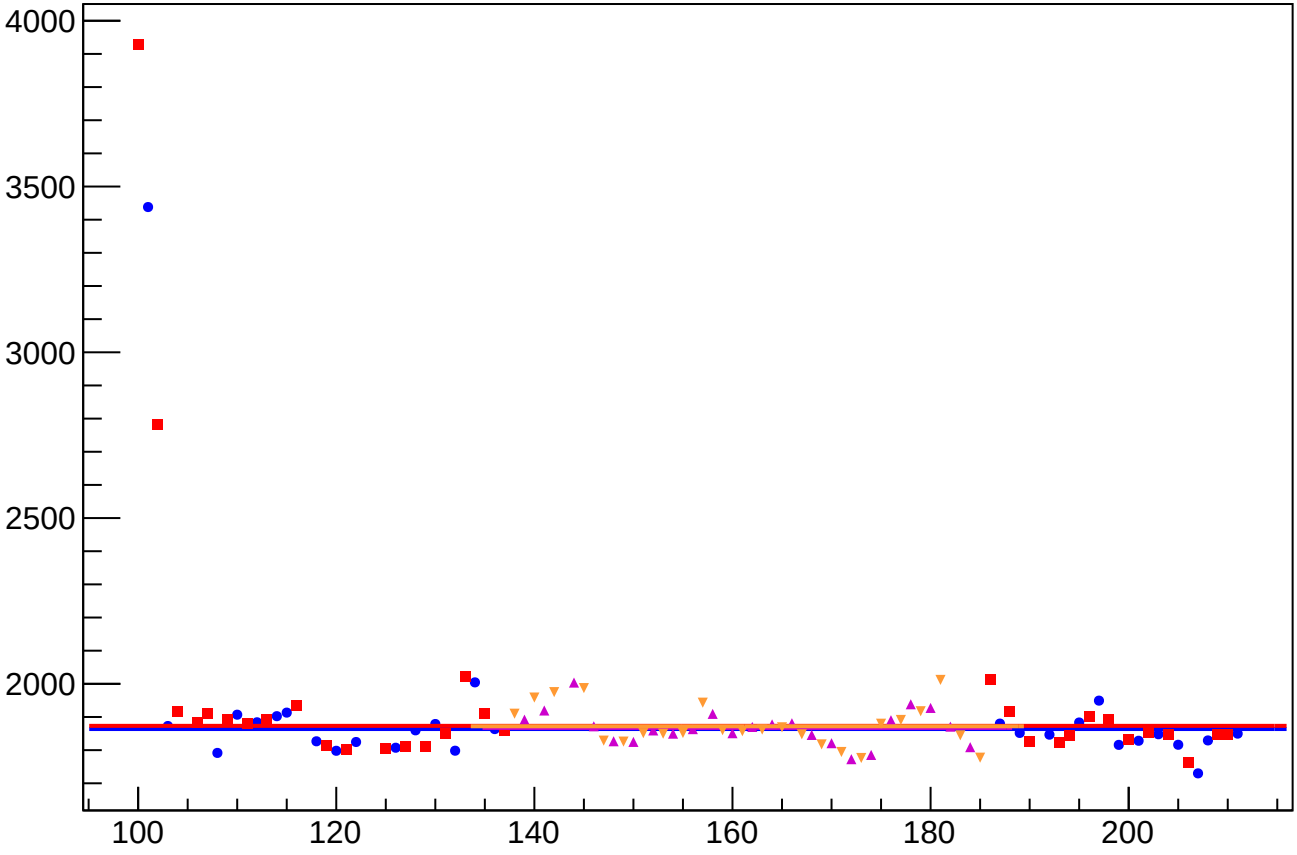
Left In: -4650.462+/-436.198 χ^2/NDF:30.5/22

+ sign 4006.094+/-315.797 χ^2/NDF: 41.6/51

All: -223.654+/-222.304 χ^2/NDF: 453.7/105

- sign -4378.561+/-312.991 χ^2/NDF: 56.5/53

eigen_dit_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1863.693+/-0.325 χ^2/NDF: 301689.7/27

Left Out: 1871.981+/-0.307 χ^2/NDF:37155.9/23

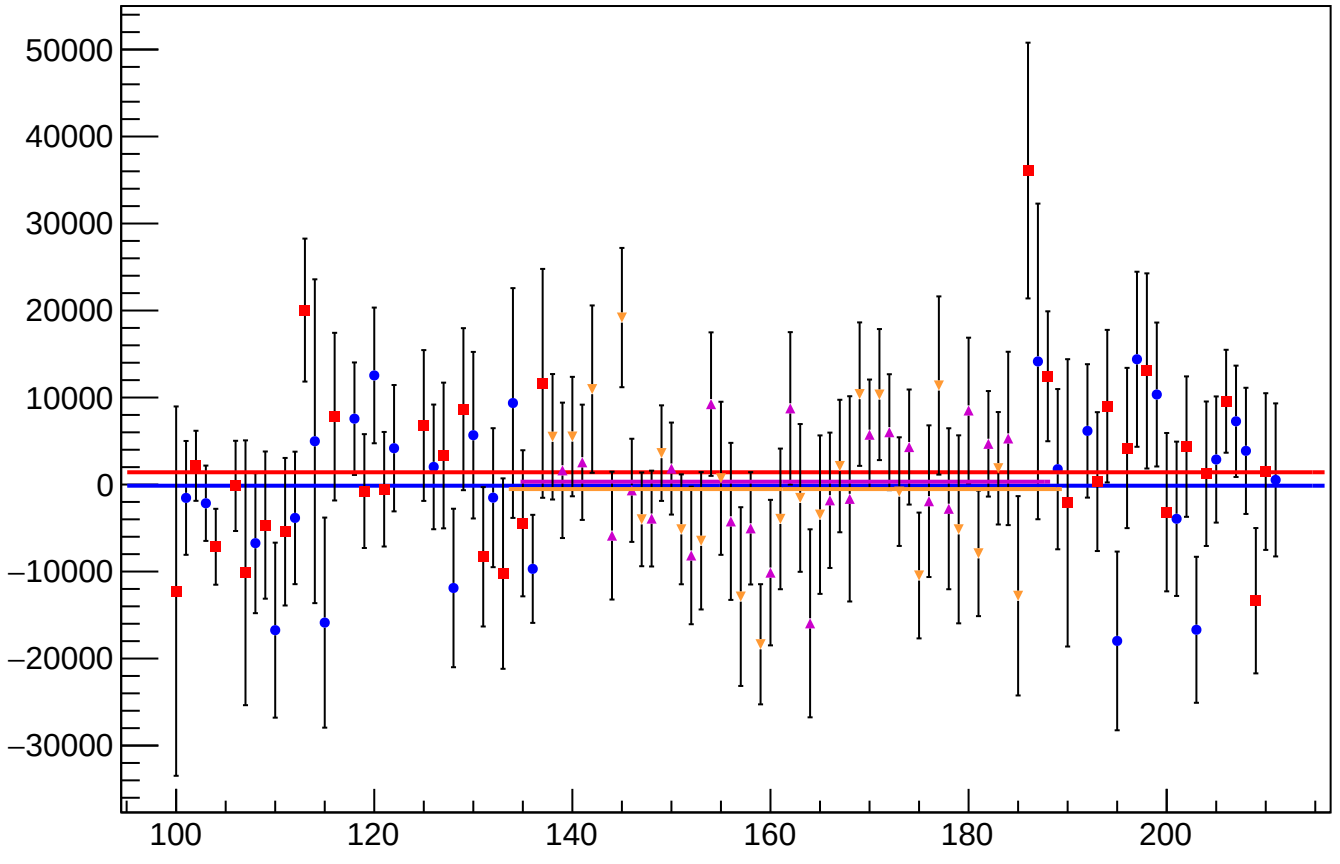
Right Out: 1873.279+/-0.318 χ^2/NDF: 171241.0/30

Left In: 1867.080+/-0.308 χ^2/NDF:27247.8/22

+ sign 1868.065+/-0.223 χ^2/NDF: 339188.9/51

All: 1869.086+/-0.157 χ^2/NDF: 537915.2/105

- sign 1870.089+/-0.221 χ^2/NDF: 198684.9/53



Right In: -134.733+/-1496.876 χ^2/NDF: 29.1/27

Left Out: -520.268+/-1536.787 χ^2/NDF:29.2/23

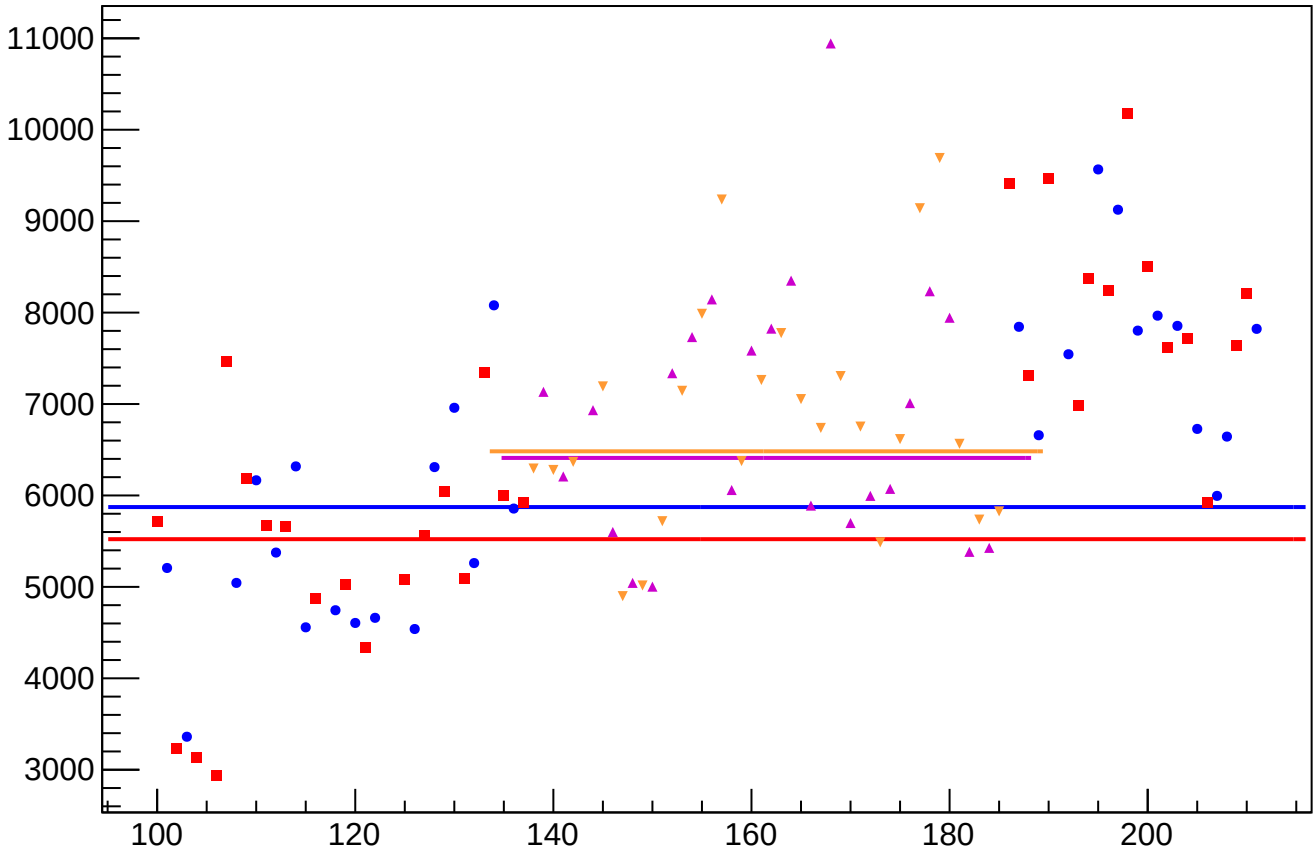
Right Out: 1410.661+/-1396.479 χ^2/NDF: 31.8/30

Left In: 324.626+/-1527.998 χ^2/NDF:13.4/22

+ sign -322.429+/-1072.283 χ^2/NDF: 58.3/51

All: 321.389+/-743.128 χ^2/NDF: 104.5/105

- sign 916.386+/-1030.826 χ^2/NDF: 45.5/53



Right In: 5873.083+/-1.058 χ^2/NDF: 2169160.2/27

Left Out: 6482.740+/-1.087 χ^2/NDF:1074587.3/23

Right Out: 5521.829+/-0.987 χ^2/NDF: 3930983.4/30

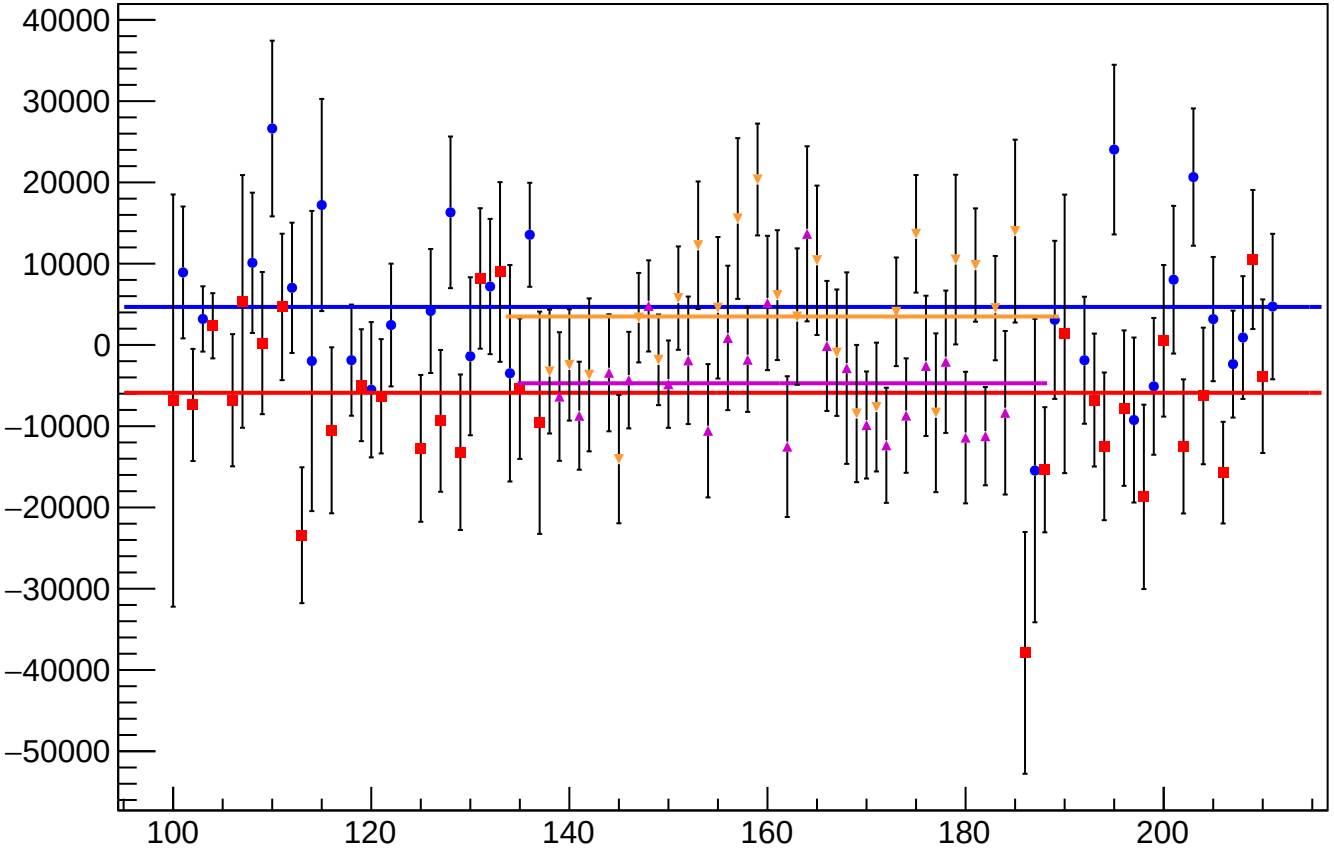
Left In: 6410.429+/-1.080 χ^2/NDF:1219833.0/22

+ sign 6169.892+/-0.758 χ^2/NDF: 3405266.2/51

All: 6043.269+/-0.525 χ^2/NDF: 8978298.7/10

- sign 5926.248+/-0.729 χ^2/NDF: 5519368.7/53

asym_us_avg_atlr_avg_avg_mean vs Slug



Right In: 4675.487+/-1543.769 χ^2/NDF: 26.6/27

Left Out: 3497.162+/-1545.839 χ^2/NDF:27.5/23

Right Out: -5889.802+/-1520.798 χ^2/NDF: 32.6/30

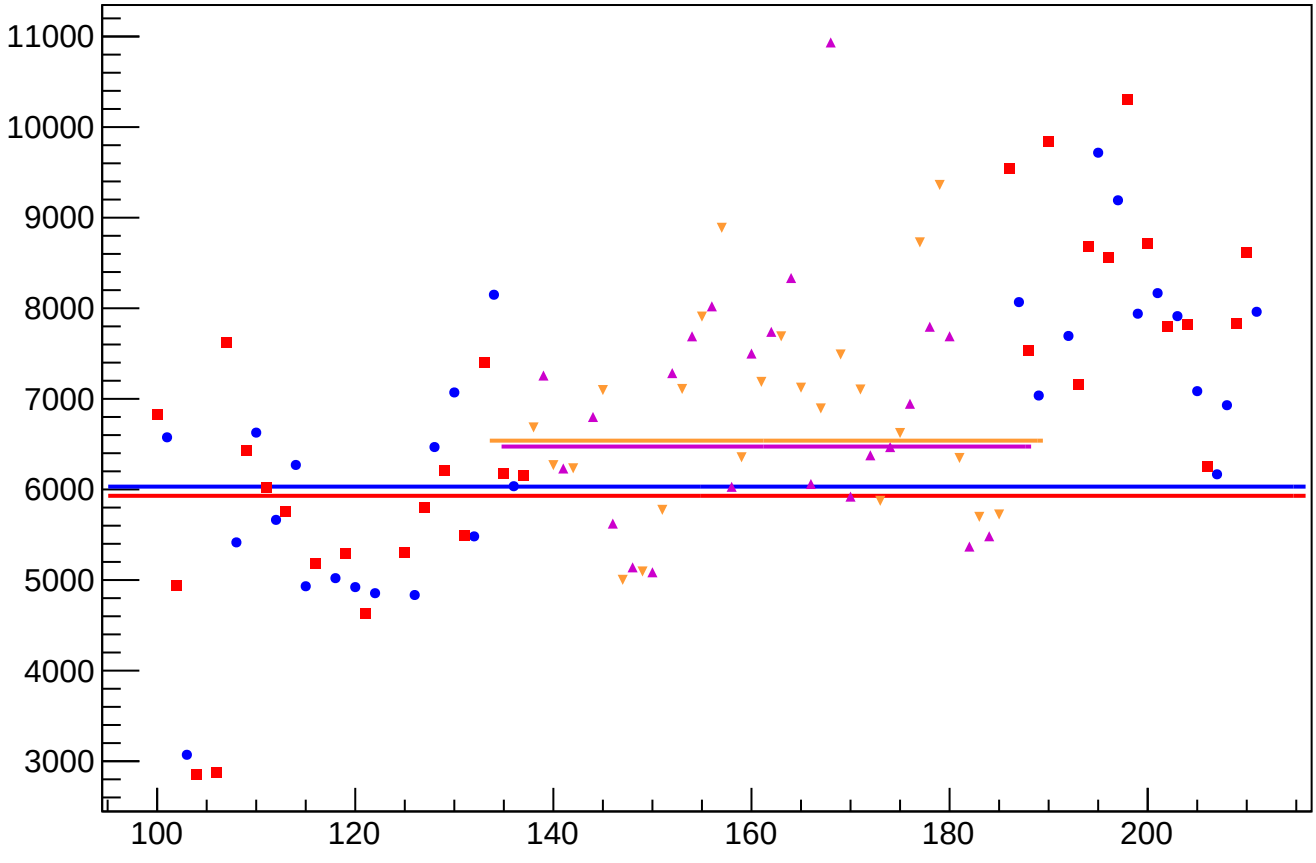
Left In: -4719.535+/-1539.177 χ^2/NDF:14.3/22

+ sign 4087.114+/-1092.340 χ^2/NDF: 54.4/51

All: -657.831+/-768.650 χ^2/NDF: 138.9/105

- sign -5311.697+/-1081.806 χ^2/NDF: 47.2/53

asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 6031.294+/-1.092 χ^2/NDF: 2444028.1/27

Left Out: 6538.706+/-1.093 χ^2/NDF:920612.0/23

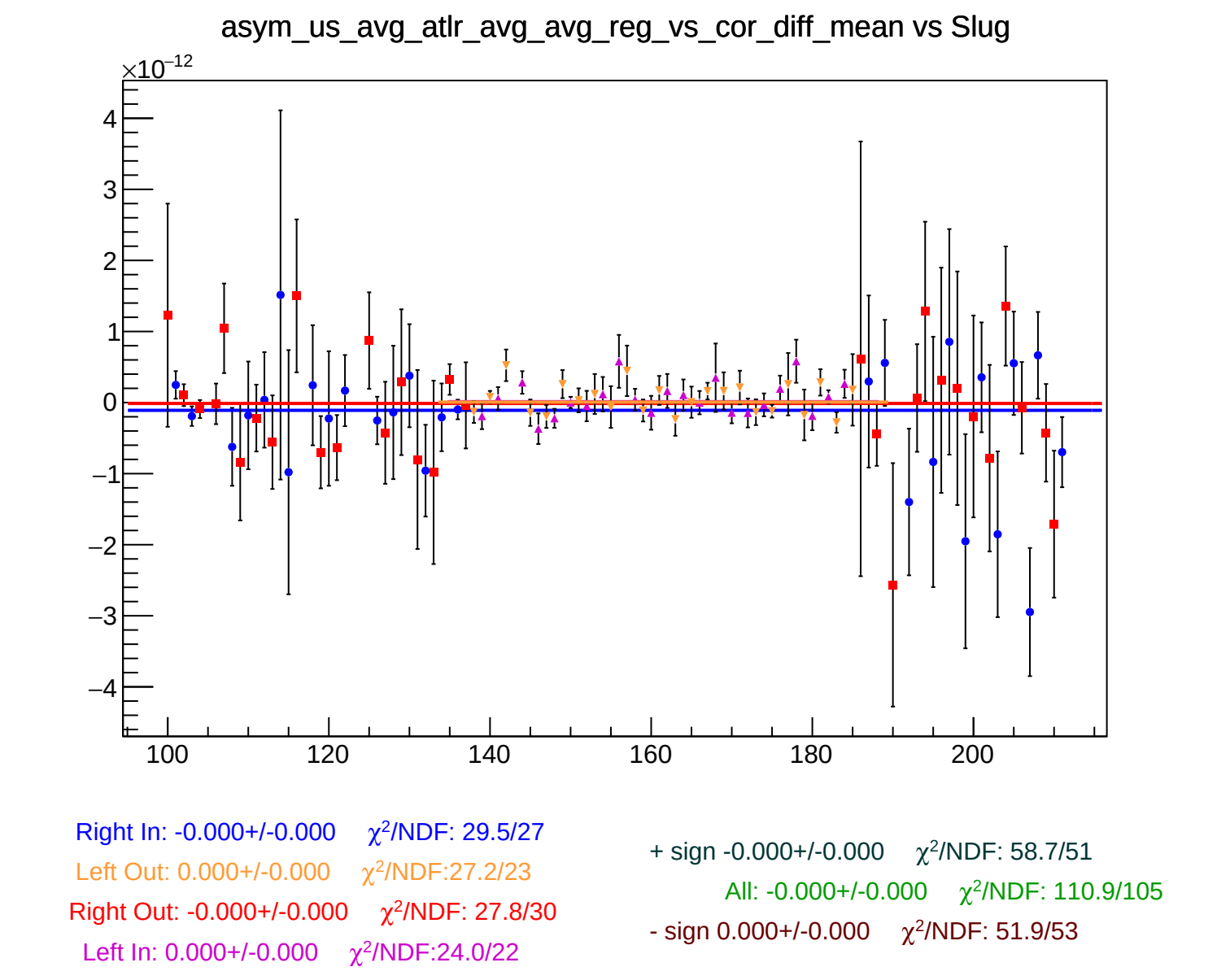
Right Out: 5929.753+/-1.062 χ^2/NDF: 3526744.3/30

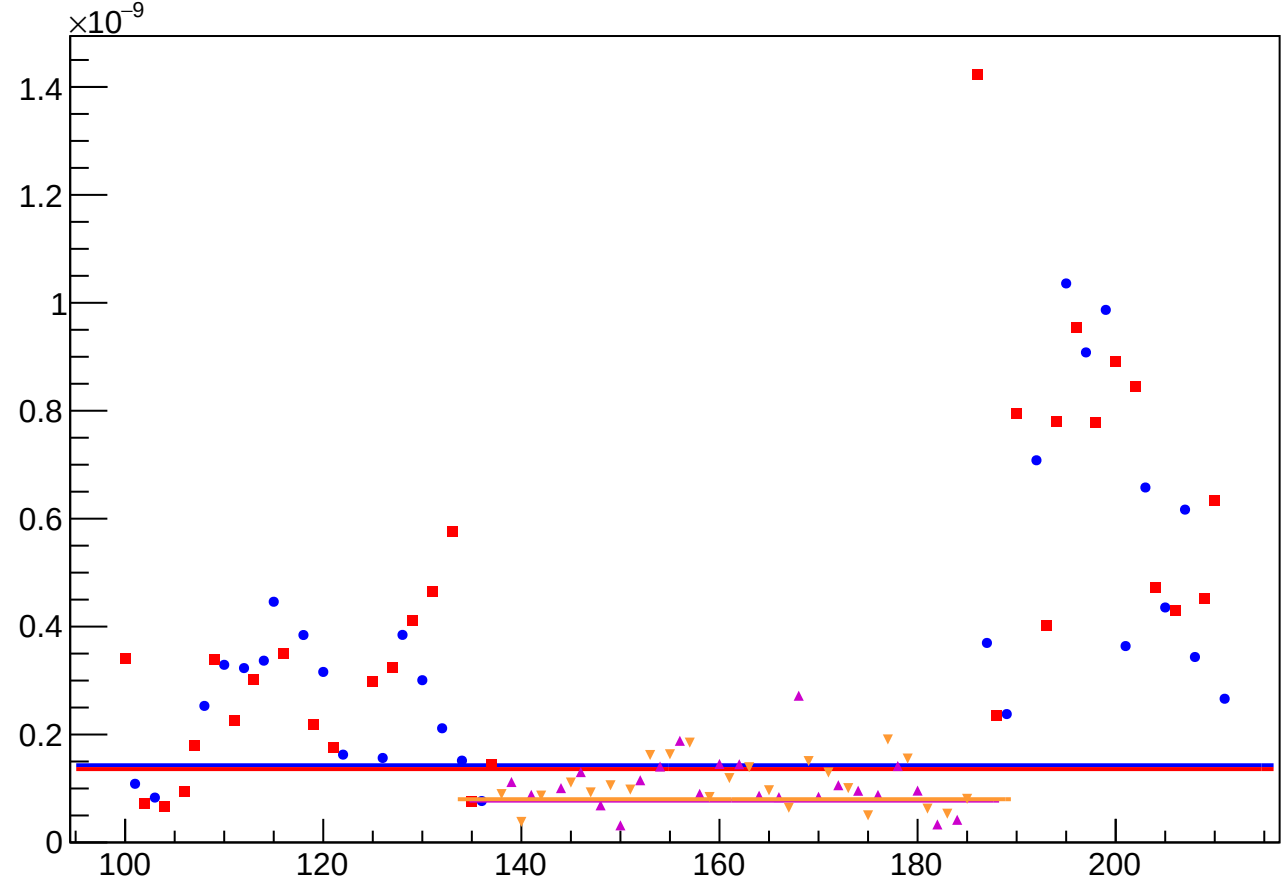
Left In: 6473.481+/-1.088 χ^2/NDF:1071757.3/22

+ sign 6284.658+/-0.772 χ^2/NDF: 3472529.7/51

All: 6239.029+/-0.542 χ^2/NDF: 8205793.4/10

- sign 6194.858+/-0.760 χ^2/NDF: 4726395.7/53


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
Right In: -0.000+/-0.000 χ²/NDF: 29.5/27
Left Out: 0.000+/-0.000 χ²/NDF:27.2/23
Right Out: -0.000+/-0.000 χ²/NDF: 27.8/30
Left In: 0.000+/-0.000 χ²/NDF:24.0/22
+ sign -0.000+/-0.000 χ²/NDF: 58.7/51
All: -0.000+/-0.000 χ²/NDF: 110.9/105
- sign 0.000+/-0.000 χ²/NDF: 51.9/53



Right In: 0.000+/-0.000 χ^2/NDF: 5903500.4/27

Left Out: 0.000+/-0.000 χ^2/NDF:2153227.2/23

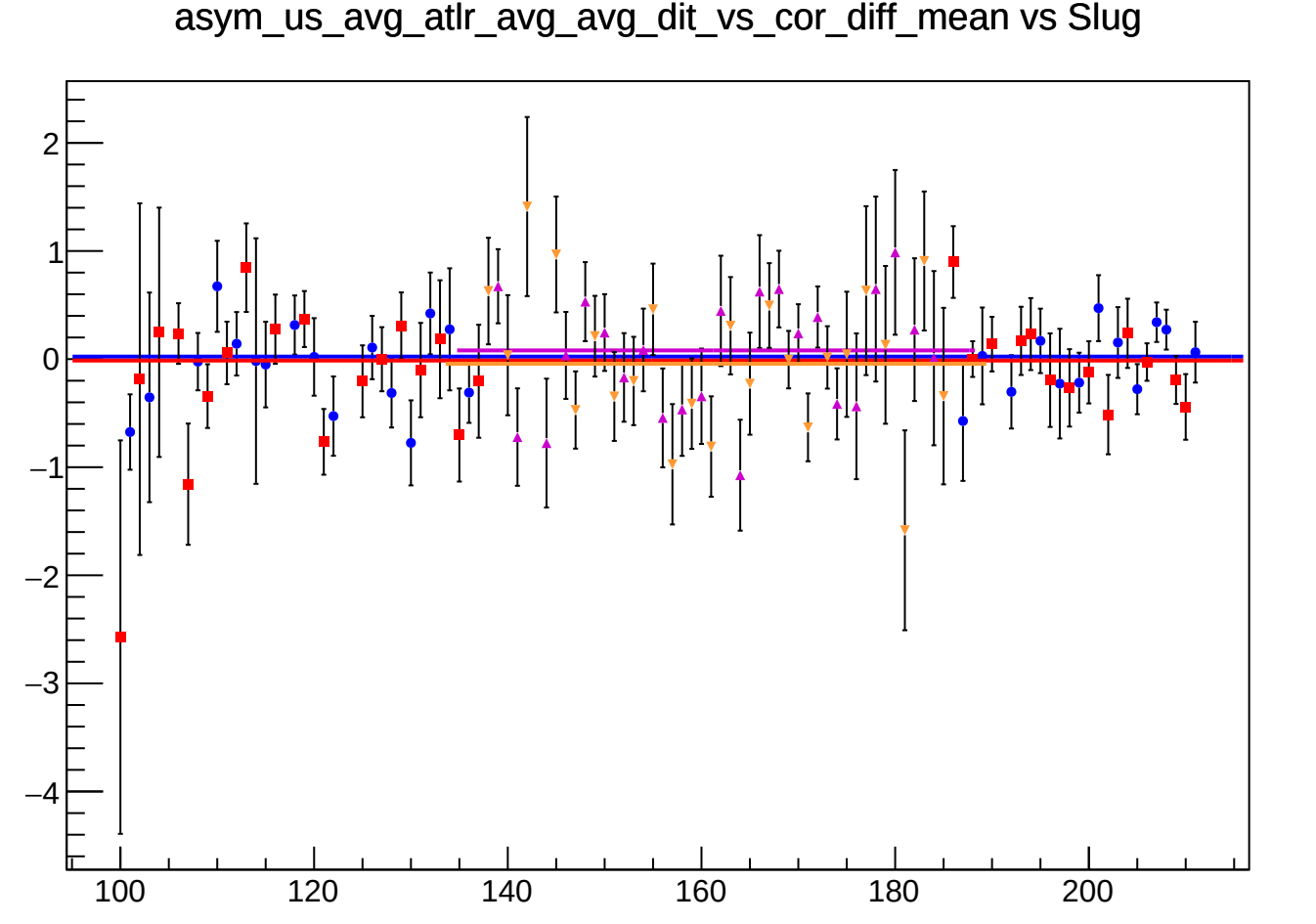
Right Out: 0.000+/-0.000 χ^2/NDF: 7562678.9/30

Left In: 0.000+/-0.000 χ^2/NDF:2642331.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 9239496.0/51

All: 0.000+/-0.000 χ^2/NDF: 20490272.5/105

- sign 0.000+/-0.000 χ^2/NDF: 11237381.8/53



Right In: 0.023+/-0.059 χ^2/NDF: 30.4/27

Left Out: -0.043+/-0.090 χ^2/NDF:31.0/23

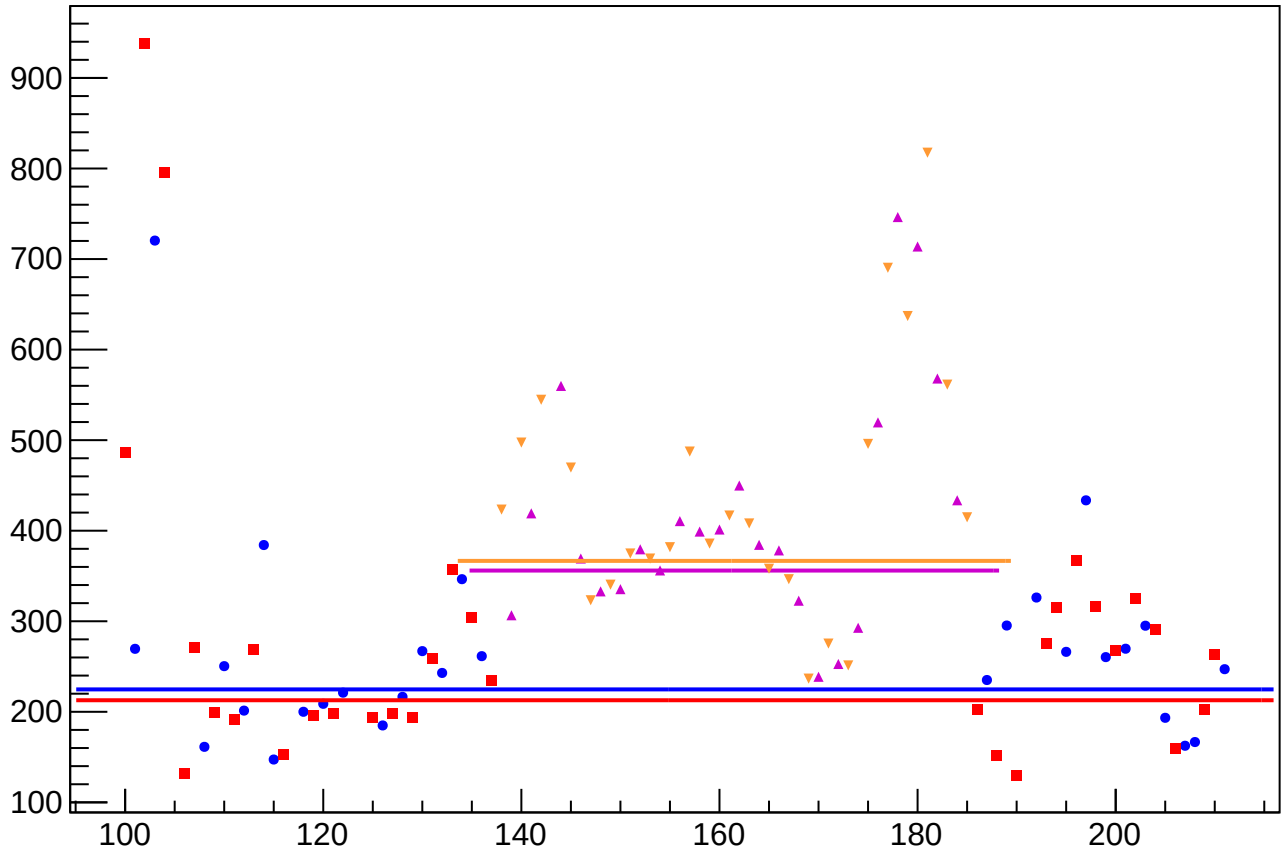
Right Out: -0.013+/-0.056 χ^2/NDF: 40.9/30

Left In: 0.080+/-0.088 χ^2/NDF:30.3/22

\+ sign 0.003+/-0.050 χ^2/NDF: 61.8/51

All: 0.009+/-0.034 χ^2/NDF: 133.8/105

\- sign 0.014+/-0.047 χ^2/NDF: 72.0/53



Right In: 224.748+/-0.042 χ^2/NDF: 2275690.4/27

Left Out: 366.670+/-0.064 χ^2/NDF:2841071.8/23

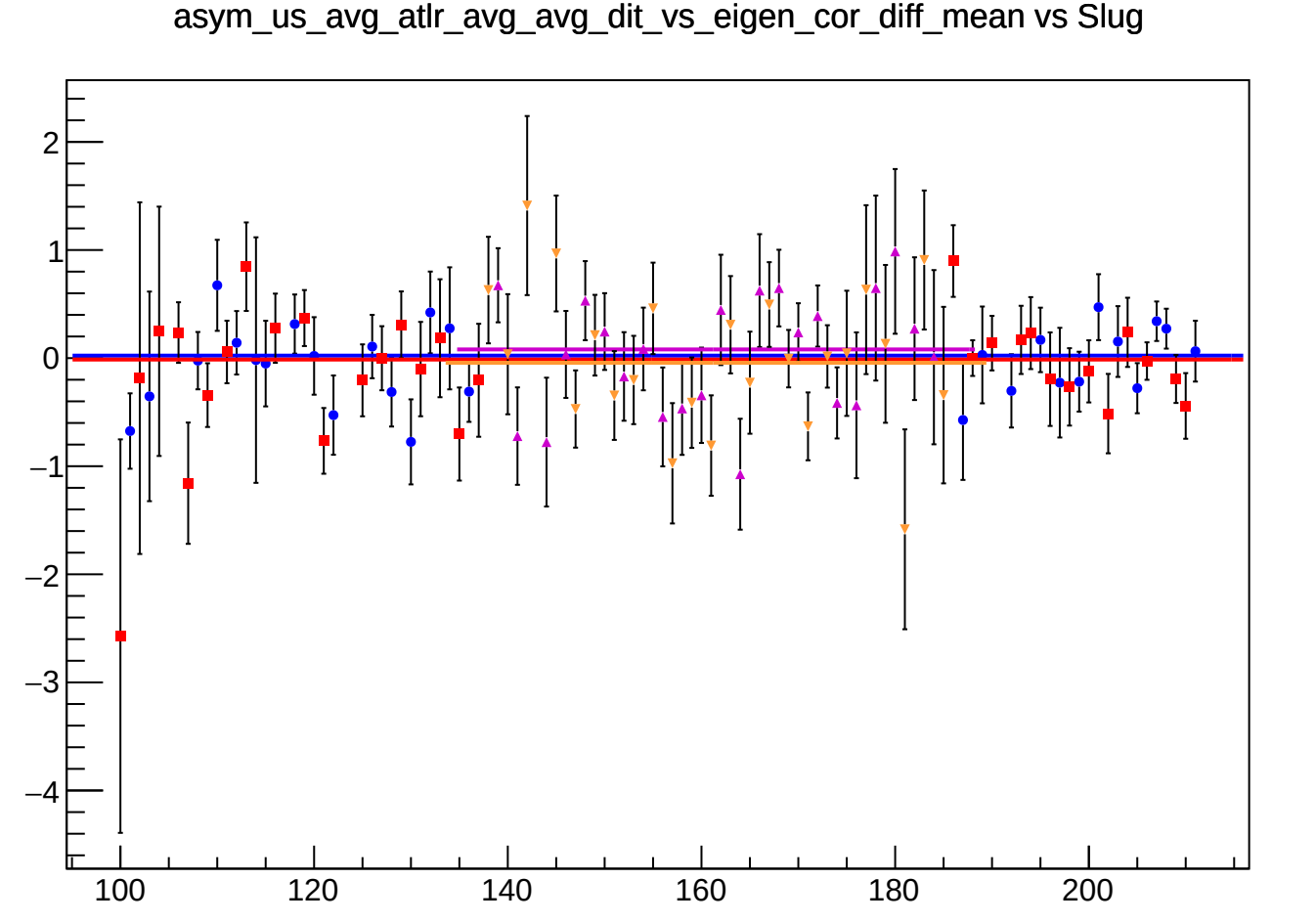
Right Out: 212.768+/-0.040 χ^2/NDF: 3363014.3/30

Left In: 355.992+/-0.062 χ^2/NDF:2420701.1/22

+ sign 267.554+/-0.035 χ^2/NDF: 8555090.6/51

All: 260.579+/-0.024 χ^2/NDF: 18196540.3/10

- sign 254.269+/-0.033 χ^2/NDF: 9566351.6/53



Right In: 0.023+/-0.059 χ^2/NDF: 30.4/27

Left Out: -0.043+/-0.090 χ^2/NDF:31.0/23

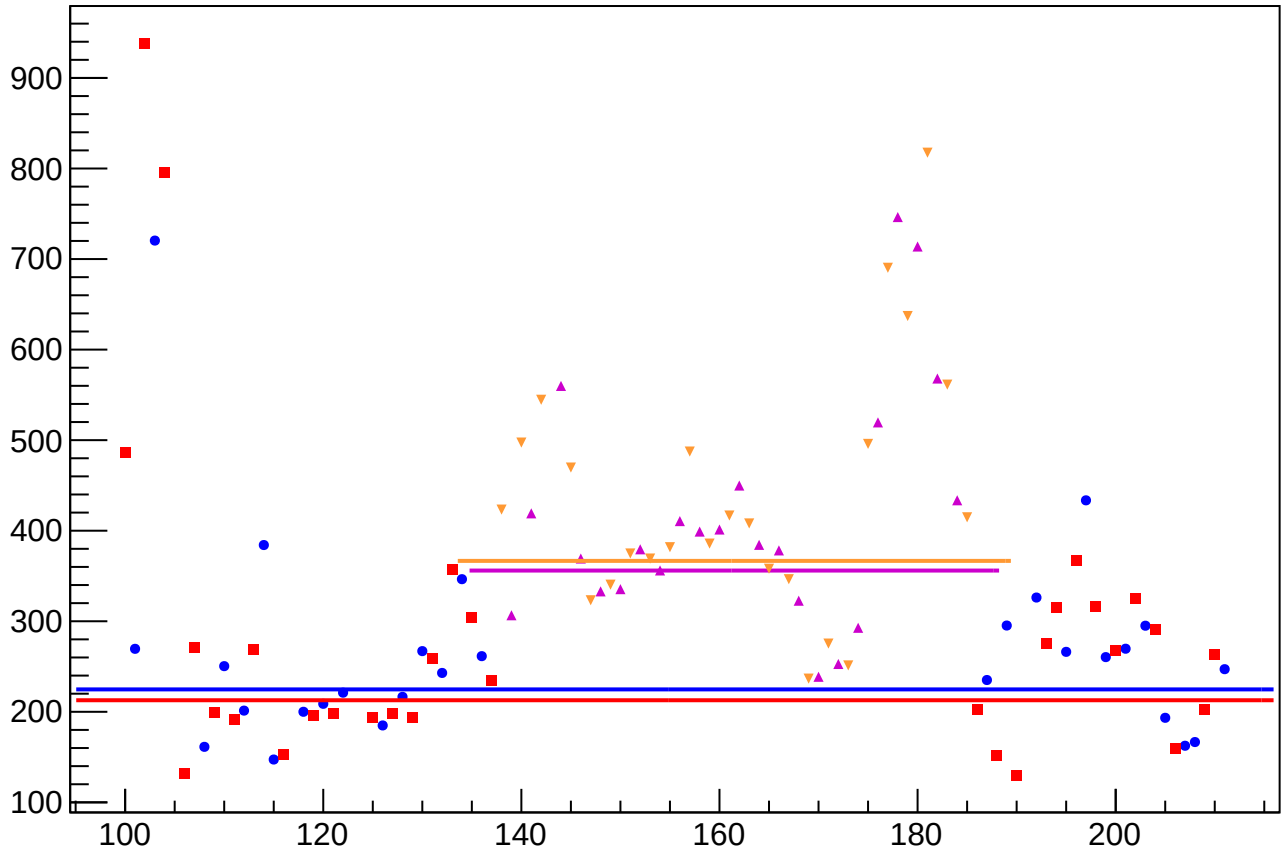
Right Out: -0.013+/-0.056 χ^2/NDF: 40.9/30

Left In: 0.080+/-0.088 χ^2/NDF:30.3/22

+ sign 0.003+/-0.050 χ^2/NDF: 61.8/51

All: 0.009+/-0.034 χ^2/NDF: 133.8/105

- sign 0.014+/-0.047 χ^2/NDF: 72.0/53



Right In: 224.748+/-0.042 χ^2/NDF: 2275690.4/27

Left Out: 366.670+/-0.064 χ^2/NDF:2841071.8/23

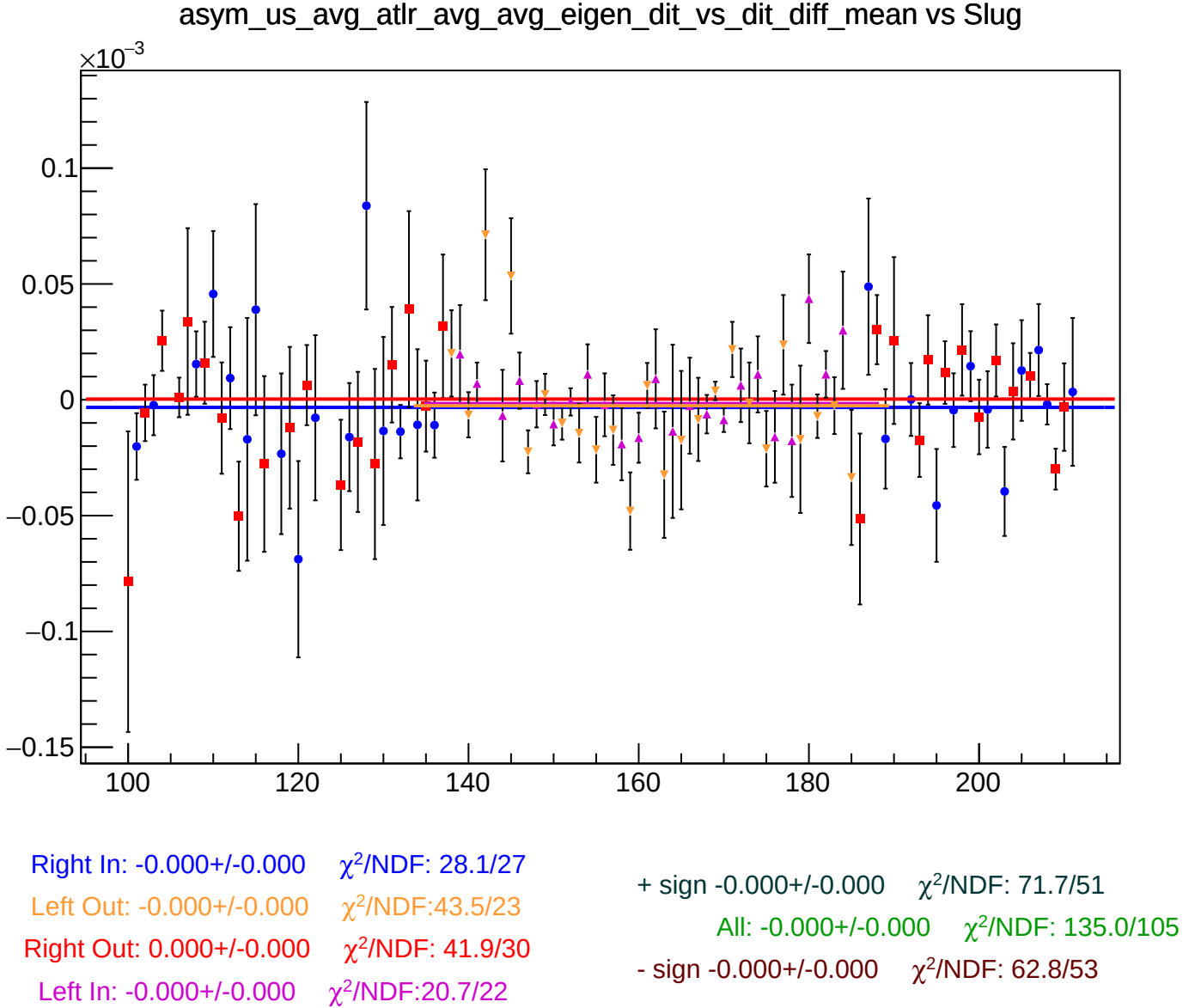
Right Out: 212.768+/-0.040 χ^2/NDF: 3363014.3/30

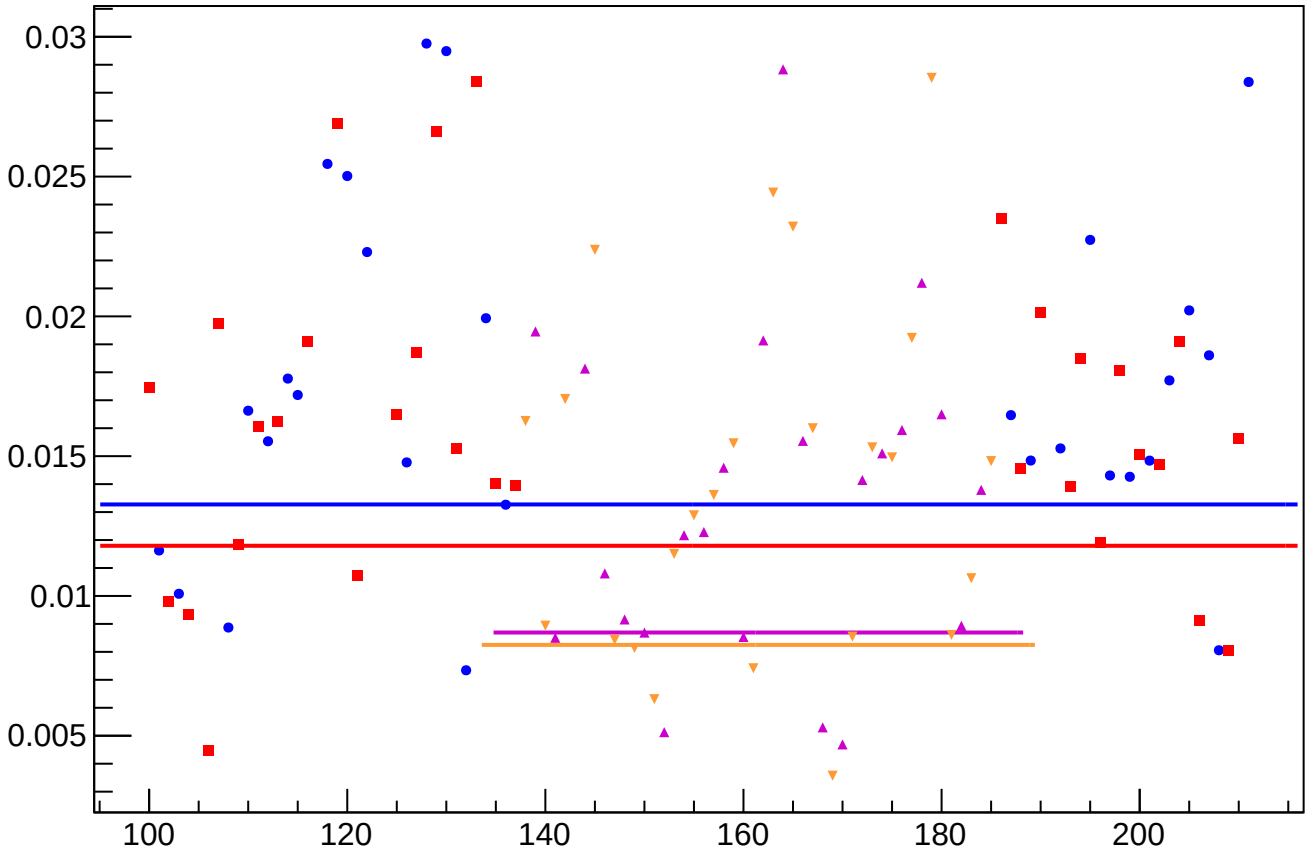
Left In: 355.992+/-0.062 χ^2/NDF:2420701.1/22

+ sign 267.554+/-0.035 χ^2/NDF: 8555090.6/51

All: 260.579+/-0.024 χ^2/NDF: 18196540.3/10

- sign 254.269+/-0.033 χ^2/NDF: 9566351.6/53


asym_us_avg_atlr_avg_avg_eigen_dit_vs_dit_diff_mean vs Slug
×10^−3
0.1
0.05
0
−0.05
−0.1
−0.15
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 28.1/27
Left Out: -0.000+/-0.000 χ²/NDF:43.5/23
Right Out: 0.000+/-0.000 χ²/NDF: 41.9/30
Left In: -0.000+/-0.000 χ²/NDF:20.7/22
+ sign -0.000+/-0.000 χ²/NDF: 71.7/51
All: -0.000+/-0.000 χ²/NDF: 135.0/105
- sign -0.000+/-0.000 χ²/NDF: 62.8/53



Right In: 0.013+/-0.000 χ^2/NDF: 4177009.4/27

Left Out: 0.008+/-0.000 χ^2/NDF:8879581.2/23

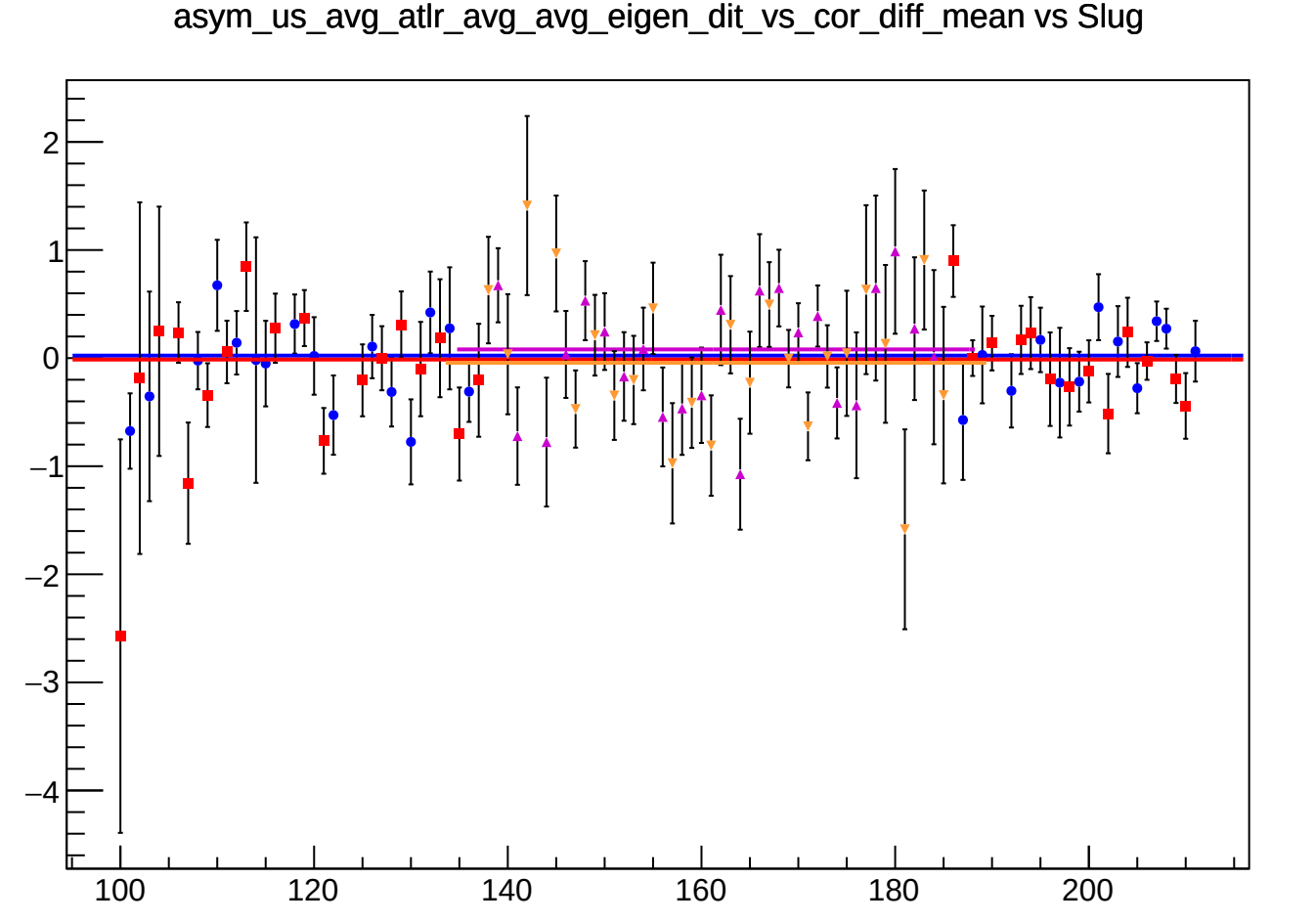
Right Out: 0.012+/-0.000 χ^2/NDF: 4921518.0/30

Left In: 0.009+/-0.000 χ^2/NDF:6875072.4/22

+ sign 0.010+/-0.000 χ^2/NDF: 15938589.2/51

All: 0.010+/-0.000 χ^2/NDF: 29011935.7/105

- sign 0.010+/-0.000 χ^2/NDF: 13070242.8/53



Right In: 0.023+/-0.059 χ^2/NDF: 30.4/27

Left Out: -0.043+/-0.090 χ^2/NDF:31.0/23

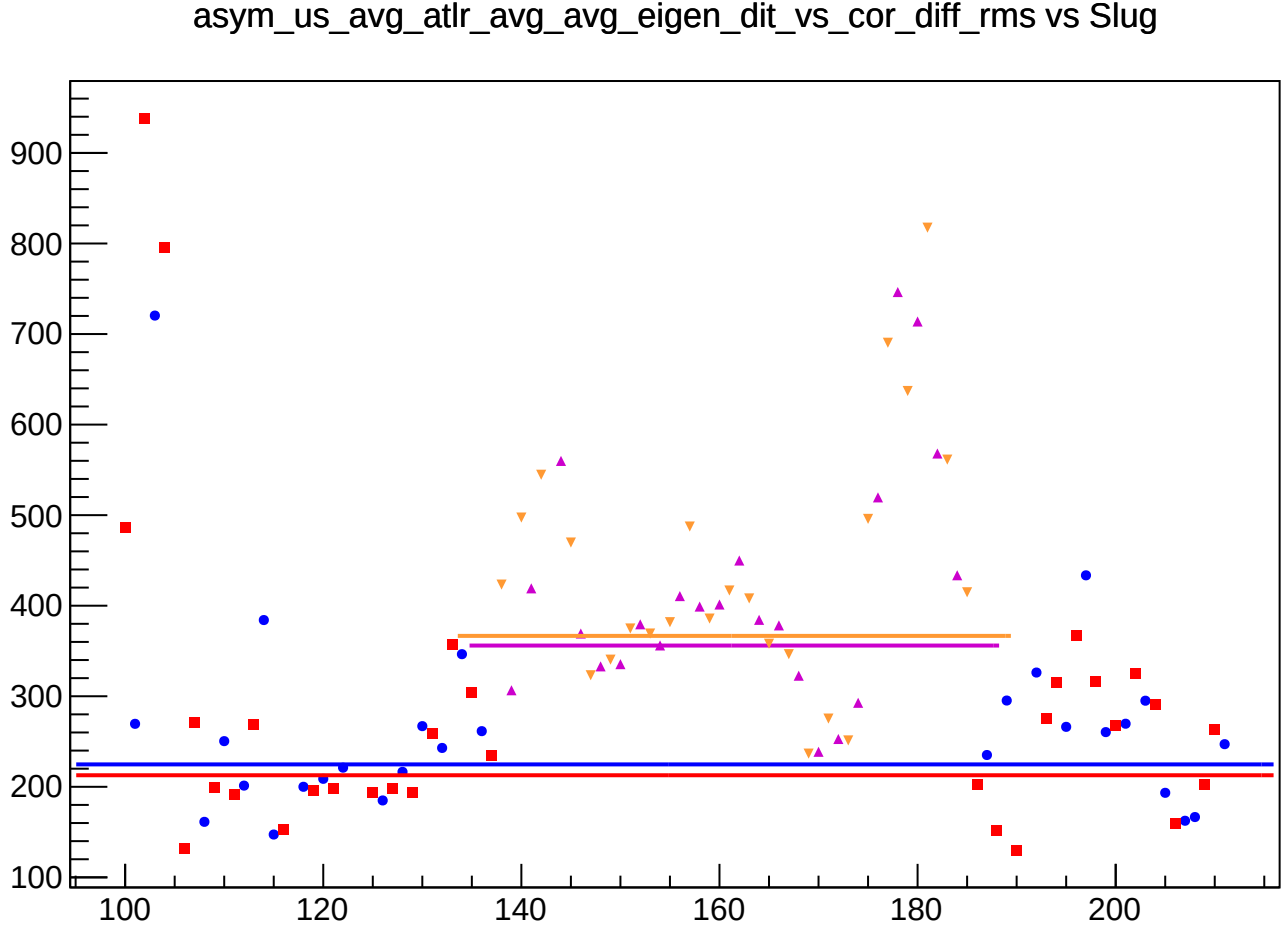
Right Out: -0.013+/-0.056 χ^2/NDF: 40.9/30

Left In: 0.080+/-0.088 χ^2/NDF:30.3/22

\+ sign 0.003+/-0.050 χ^2/NDF: 61.8/51

All: 0.009+/-0.034 χ^2/NDF: 133.8/105

\- sign 0.014+/-0.047 χ^2/NDF: 72.0/53



Right In: 224.747+/-0.042 χ^2/NDF: 2275740.4/27

Left Out: 366.671+/-0.064 χ^2/NDF:2841292.6/23

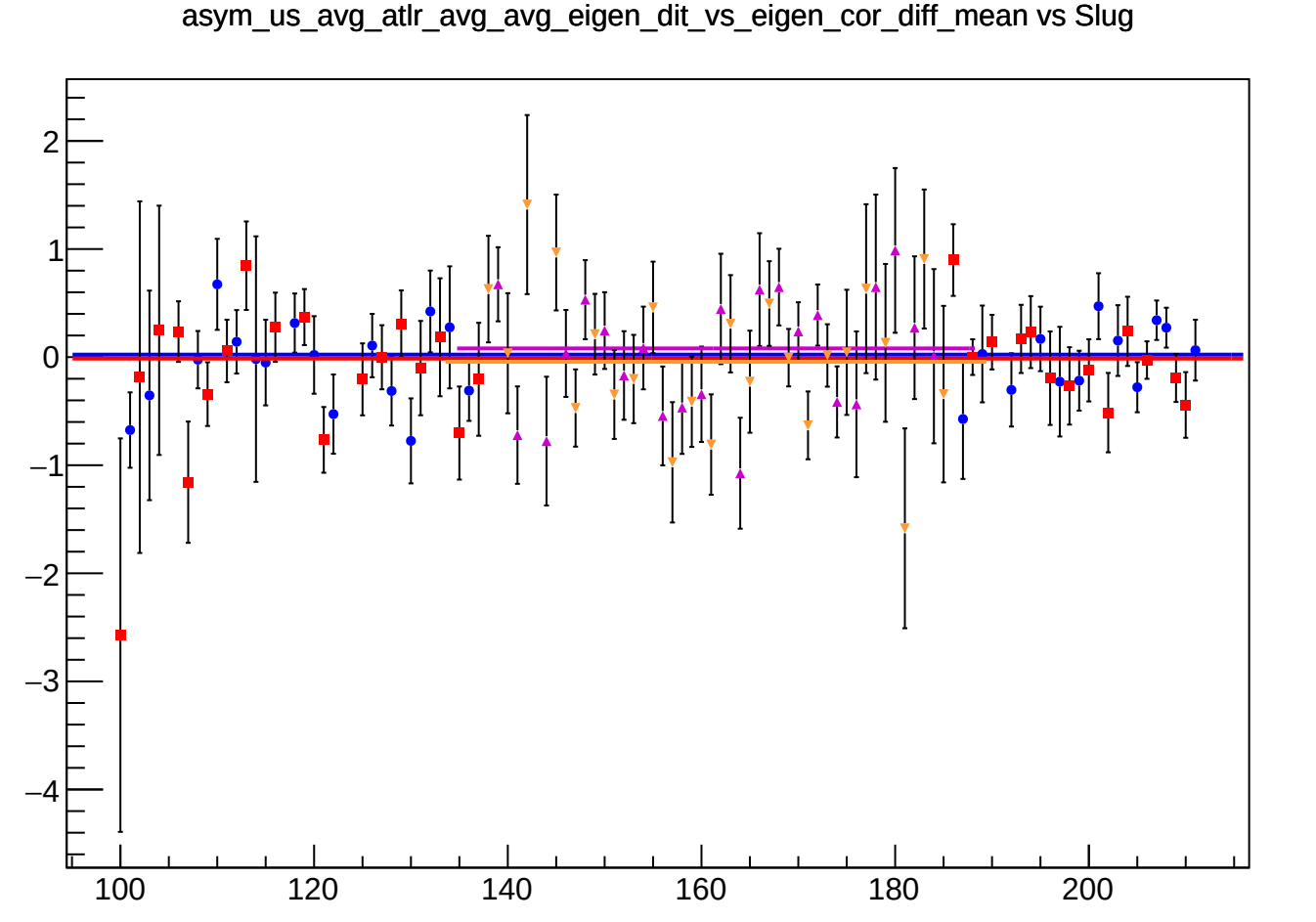
Right Out: 212.765+/-0.040 χ^2/NDF: 3363086.1/30

Left In: 355.993+/-0.062 χ^2/NDF:2420863.3/22

+ sign 267.553+/-0.035 χ^2/NDF: 8555426.4/51

All: 260.577+/-0.024 χ^2/NDF: 18197344.3/10

- sign 254.267+/-0.033 χ^2/NDF: 9566803.8/53



Right In: 0.023+/-0.059 χ^2/NDF: 30.4/27

Left Out: -0.043+/-0.090 χ^2/NDF:31.0/23

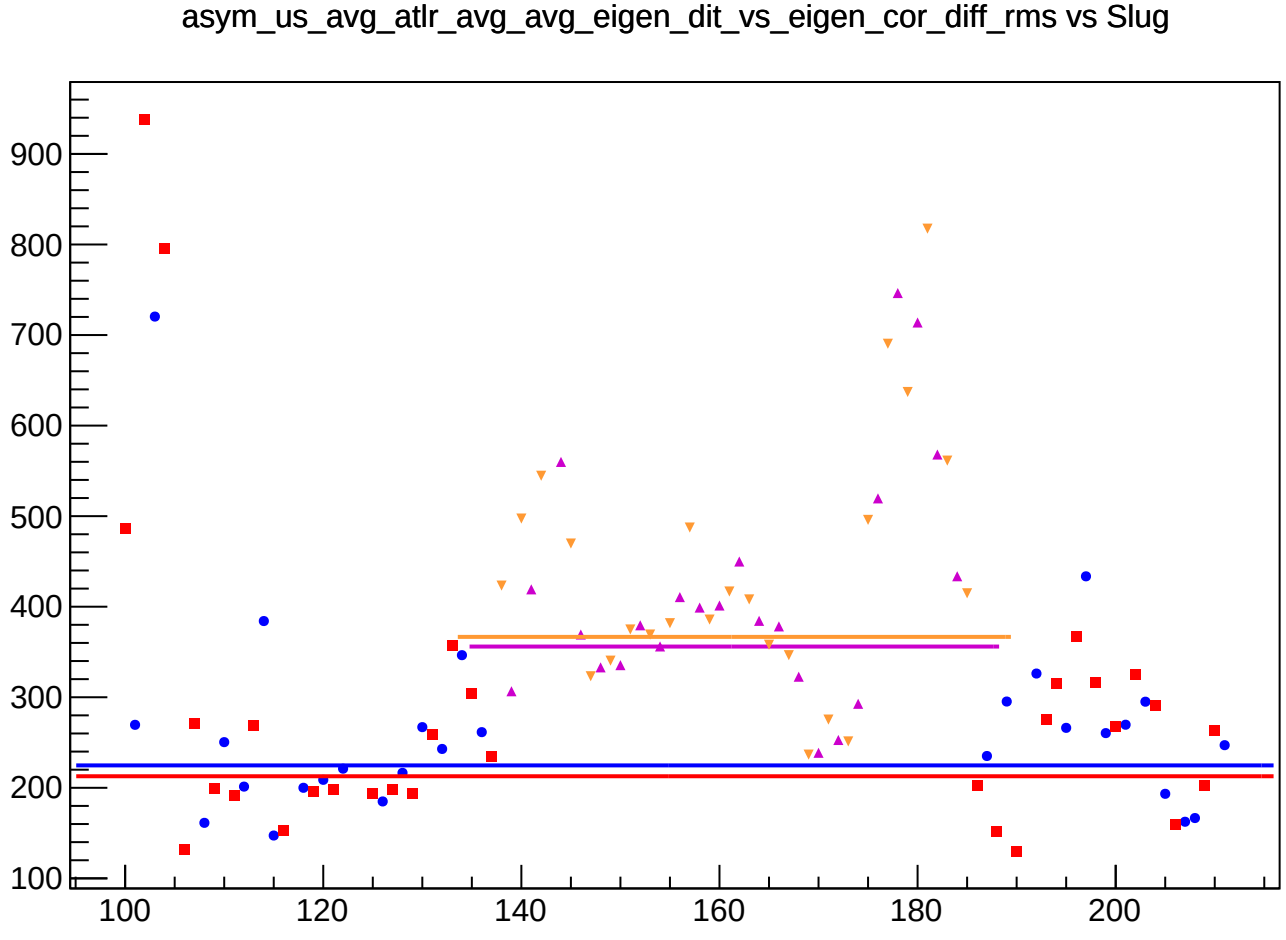
Right Out: -0.013+/-0.056 χ^2/NDF: 40.9/30

Left In: 0.080+/-0.088 χ^2/NDF:30.3/22

+ sign 0.003+/-0.050 χ^2/NDF: 61.8/51

All: 0.009+/-0.034 χ^2/NDF: 133.8/105

- sign 0.014+/-0.047 χ^2/NDF: 72.0/53



Right In: 224.747+/-0.042 χ^2/NDF: 2275740.4/27

Left Out: 366.671+/-0.064 χ^2/NDF:2841292.6/23

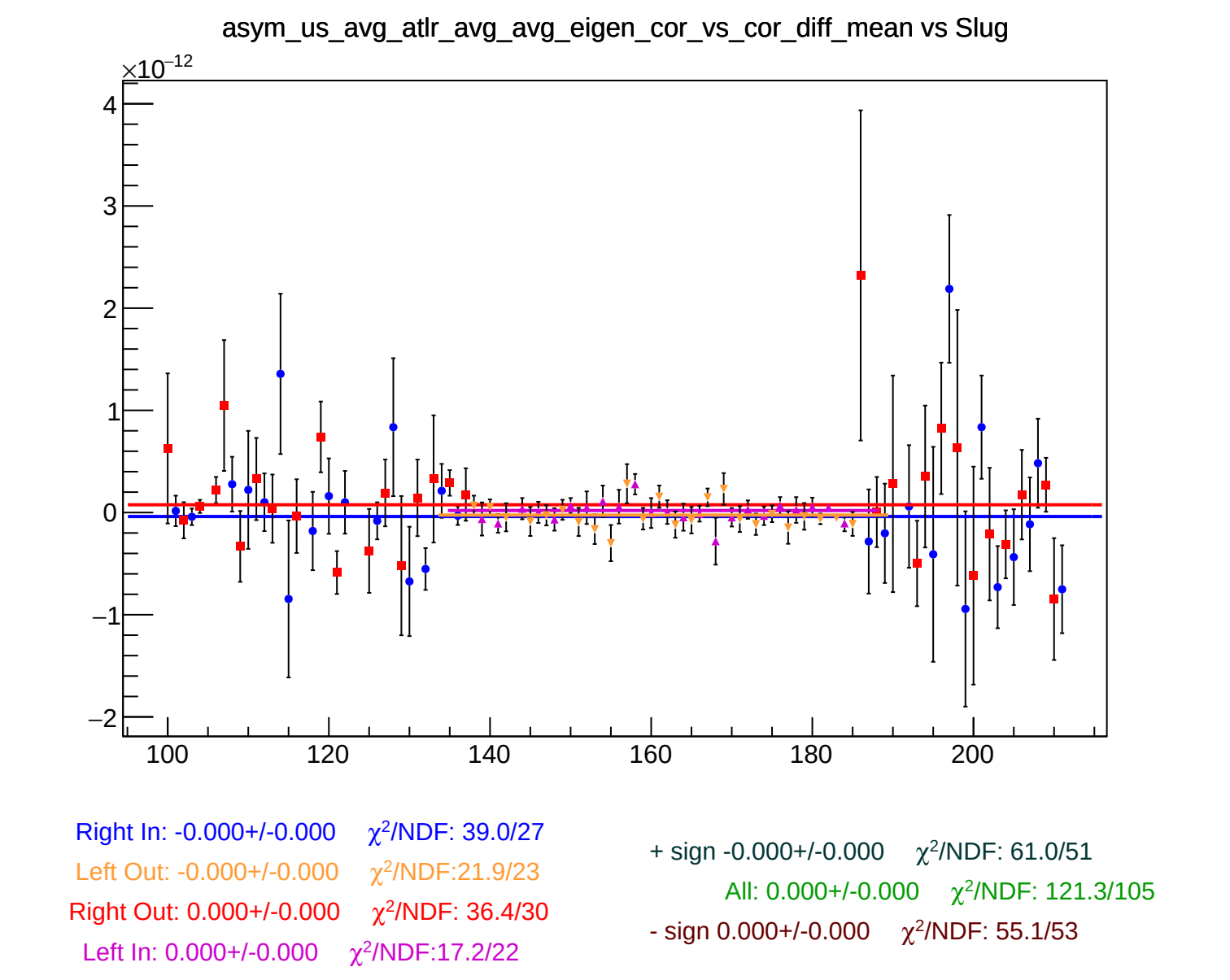
Right Out: 212.765+/-0.040 χ^2/NDF: 3363086.1/30

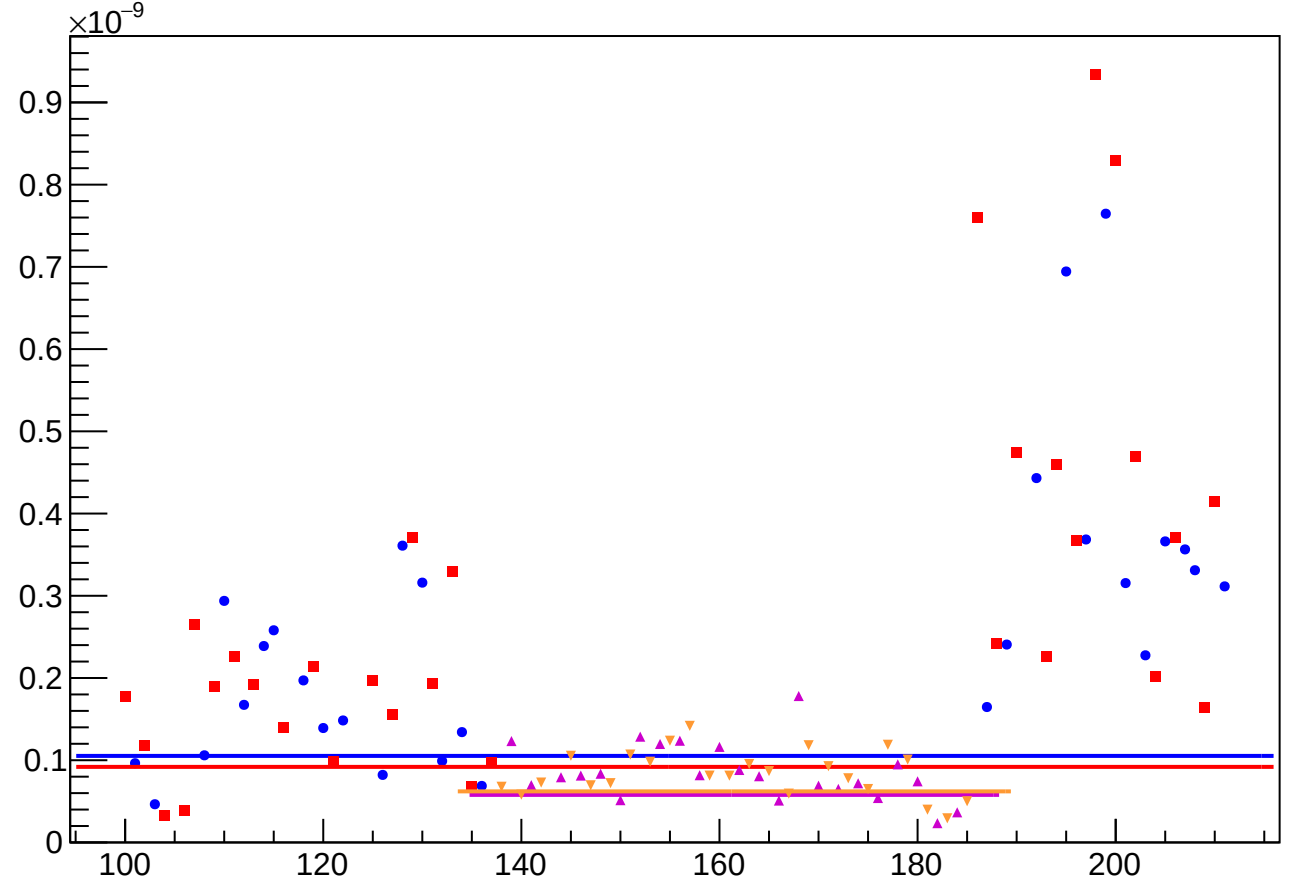
Left In: 355.993+/-0.062 χ^2/NDF:2420863.3/22

+ sign 267.553+/-0.035 χ^2/NDF: 8555426.4/51

All: 260.577+/-0.024 χ^2/NDF: 18197344.3/10

- sign 254.267+/-0.033 χ^2/NDF: 9566803.8/53


asym_us_avg_atlr_avg_avg_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
4
3
2
1
0
−1
−2
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 39.0/27
Left Out: -0.000+/-0.000 χ²/NDF:21.9/23
Right Out: 0.000+/-0.000 χ²/NDF: 36.4/30
Left In: 0.000+/-0.000 χ²/NDF:17.2/22
+ sign -0.000+/-0.000 χ²/NDF: 61.0/51
All: 0.000+/-0.000 χ²/NDF: 121.3/105
- sign 0.000+/-0.000 χ²/NDF: 55.1/53



Right In: 0.000+/-0.000 χ^2/NDF: 8070270.8/27

Left Out: 0.000+/-0.000 χ^2/NDF:4100152.8/23

Right Out: 0.000+/-0.000 χ^2/NDF: 10465084.3/30

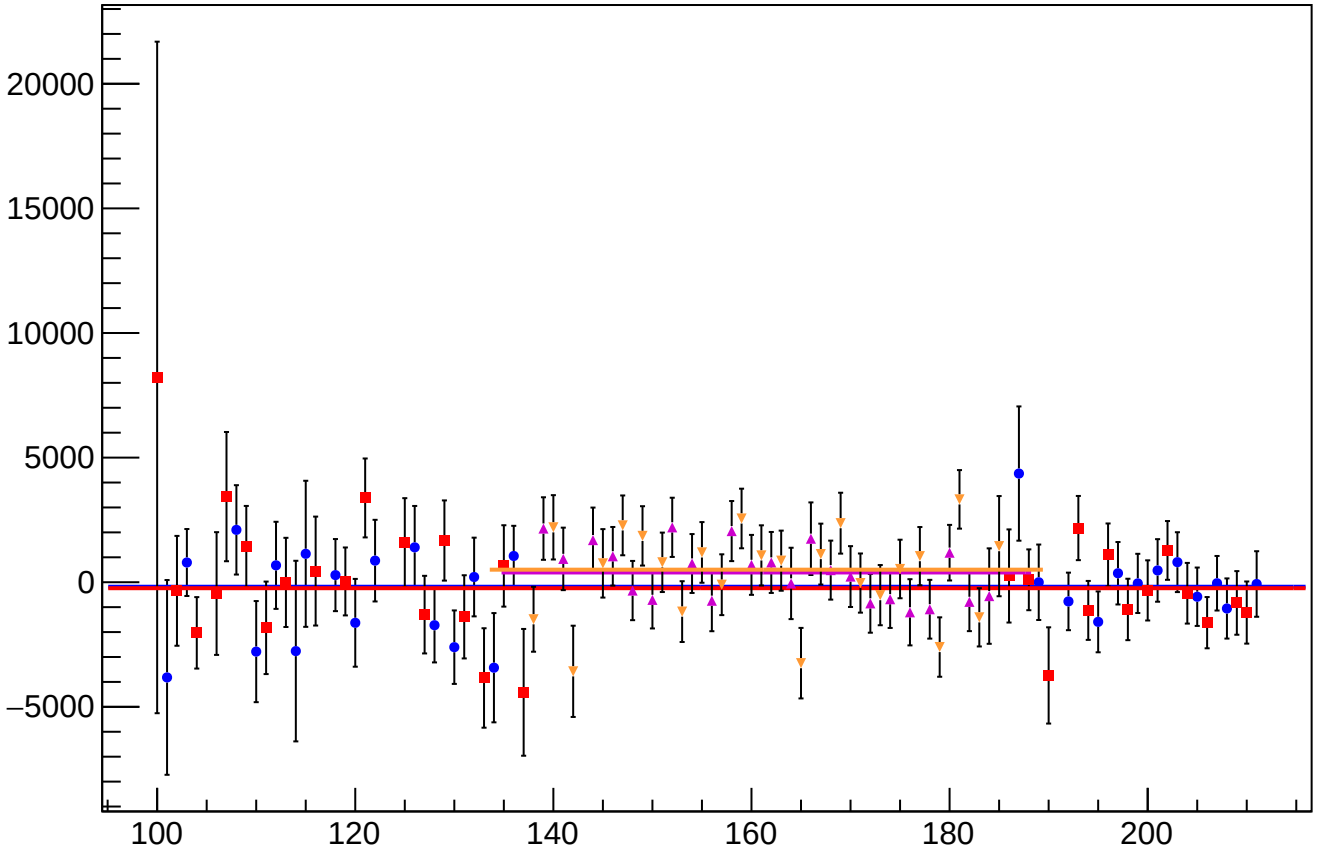
Left In: 0.000+/-0.000 χ^2/NDF:5512617.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 13729565.6/51

All: 0.000+/-0.000 χ^2/NDF: 30907213.7/105

- sign 0.000+/-0.000 χ^2/NDF: 17077185.9/53

reg_asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -181.168+/-278.133 χ^2/NDF: 21.0/27

Left Out: 503.606+/-255.531 χ^2/NDF:44.6/23

Right Out: -239.845+/-272.137 χ^2/NDF: 34.2/30

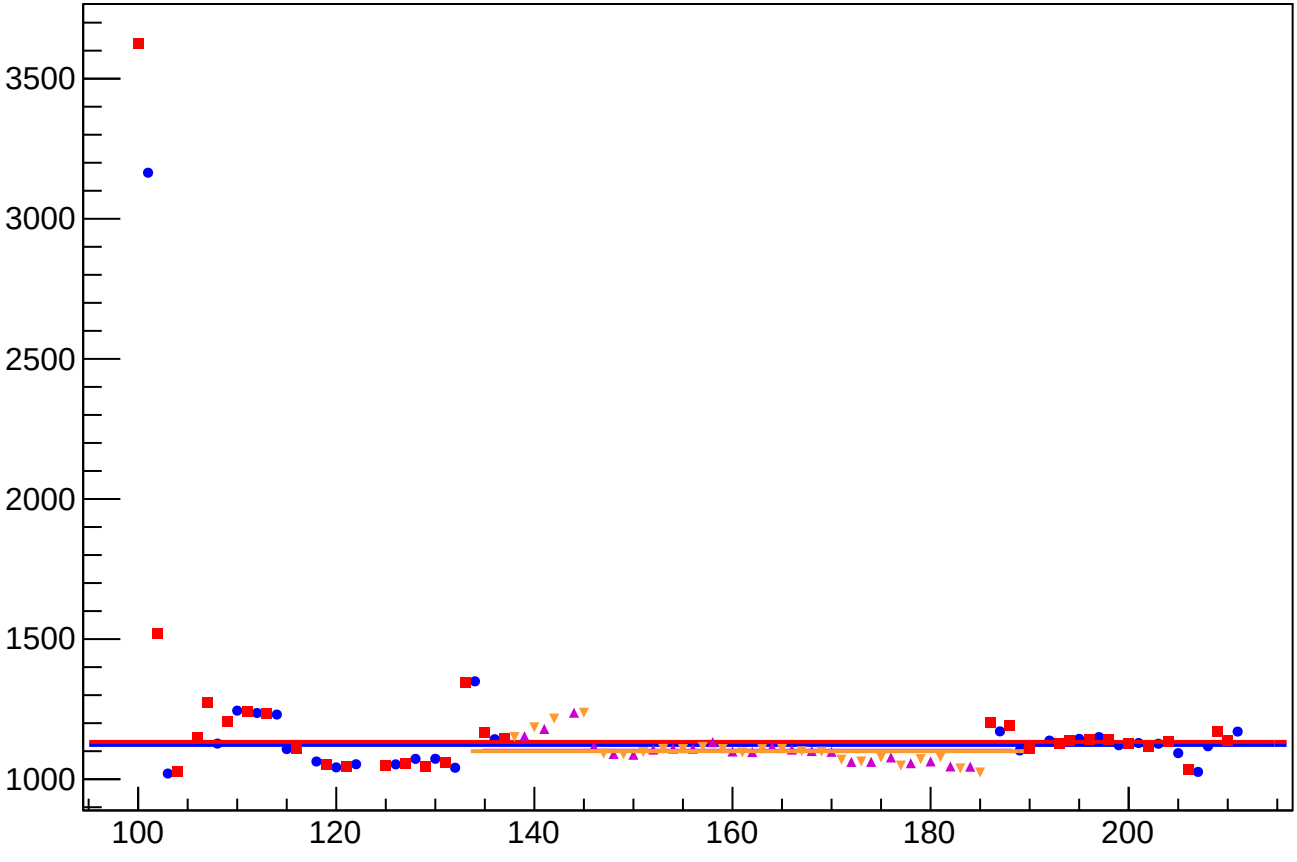
Left In: 391.701+/-257.386 χ^2/NDF:17.8/22

+ sign 190.169+/-188.171 χ^2/NDF: 68.9/51

All: 141.536+/-132.640 χ^2/NDF: 123.9/105

- sign 93.507+/-186.997 χ^2/NDF: 54.9/53

reg_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1122.479+/-0.197 χ^2/NDF: 644177.3/27

Left Out: 1100.063+/-0.181 χ^2/NDF:58733.9/23

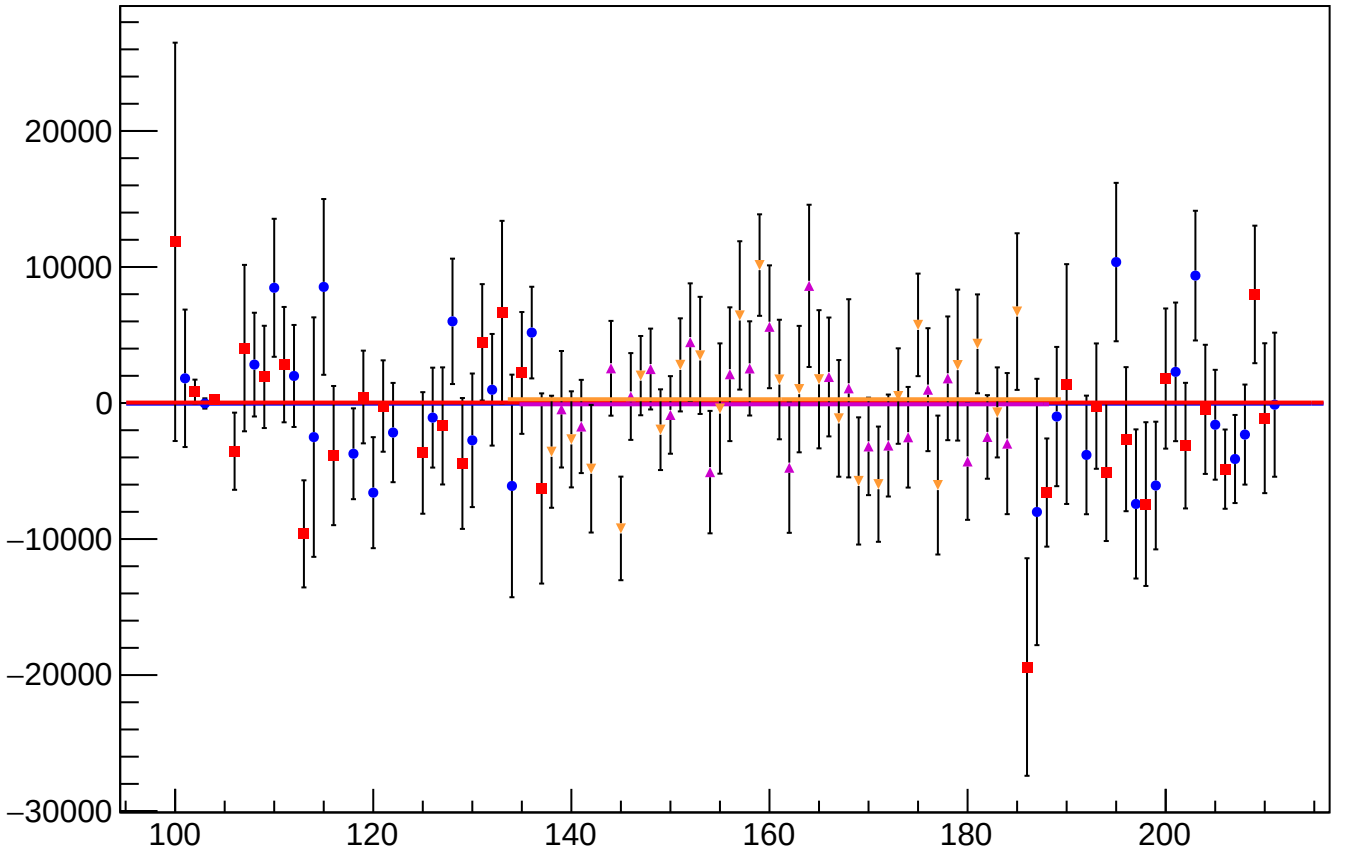
Right Out: 1133.157+/-0.192 χ^2/NDF: 248991.9/30

Left In: 1101.530+/-0.182 χ^2/NDF:52145.9/22

+ sign 1110.323+/-0.133 χ^2/NDF: 709955.5/51

All: 1113.419+/-0.094 χ^2/NDF: 1026438.7/10

- sign 1116.475+/-0.132 χ^2/NDF: 315407.6/53



Right In: -48.414+/-345.530 χ^2/NDF: 29.2/27

Left Out: 277.507+/-820.501 χ^2/NDF:29.9/23

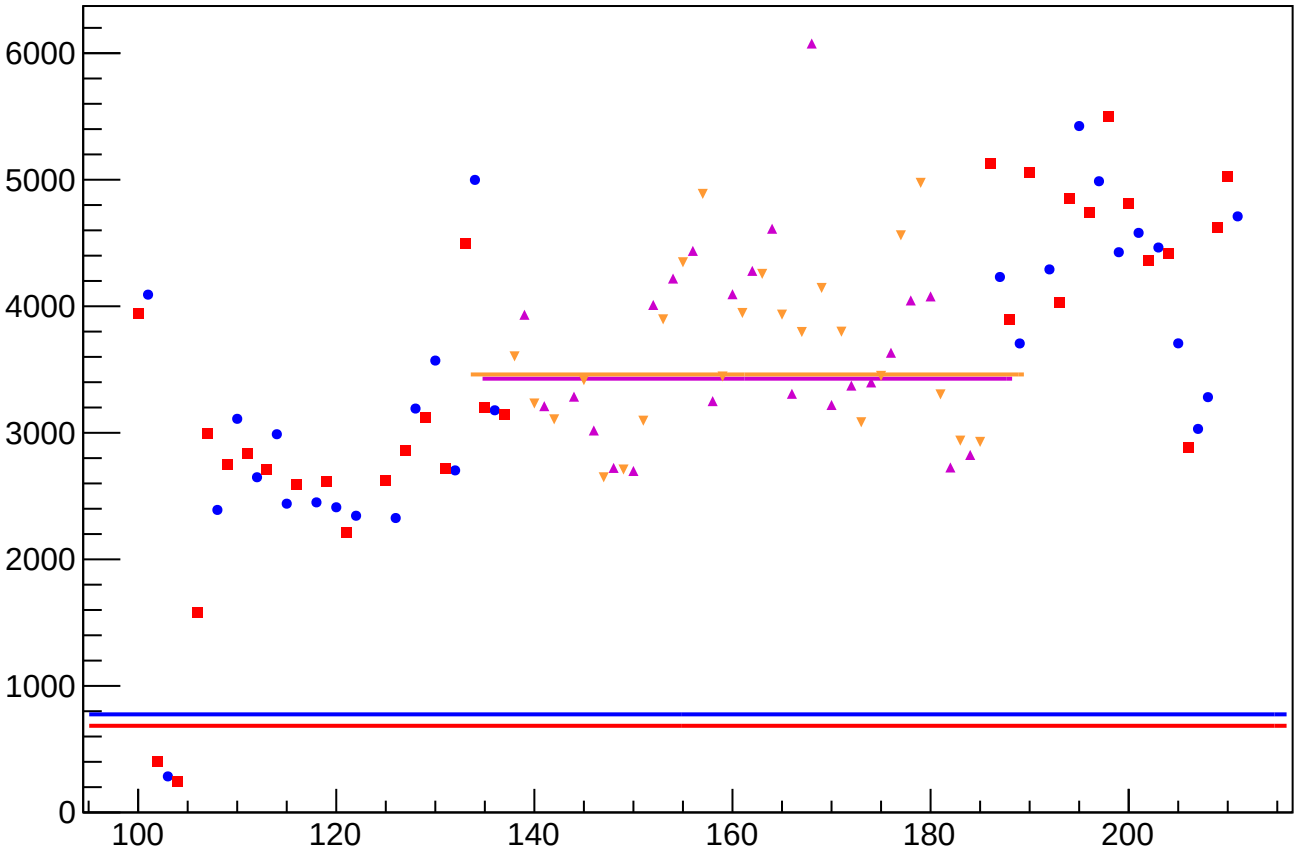
Right Out: 32.506+/-313.542 χ^2/NDF: 33.4/30

Left In: -94.734+/-817.223 χ^2/NDF:13.7/22

+ sign 0.680+/-318.445 χ^2/NDF: 59.2/51

All: 9.080+/-215.512 χ^2/NDF: 106.3/105

- sign 16.179+/-292.736 χ^2/NDF: 47.0/53



Right In: 775.246+/-0.244 χ^2/NDF: 22758918.0/27

Left Out: 3461.259+/-0.580 χ^2/NDF:1058687.1/23

Right Out: 684.793+/-0.222 χ^2/NDF: 24651072.0/30

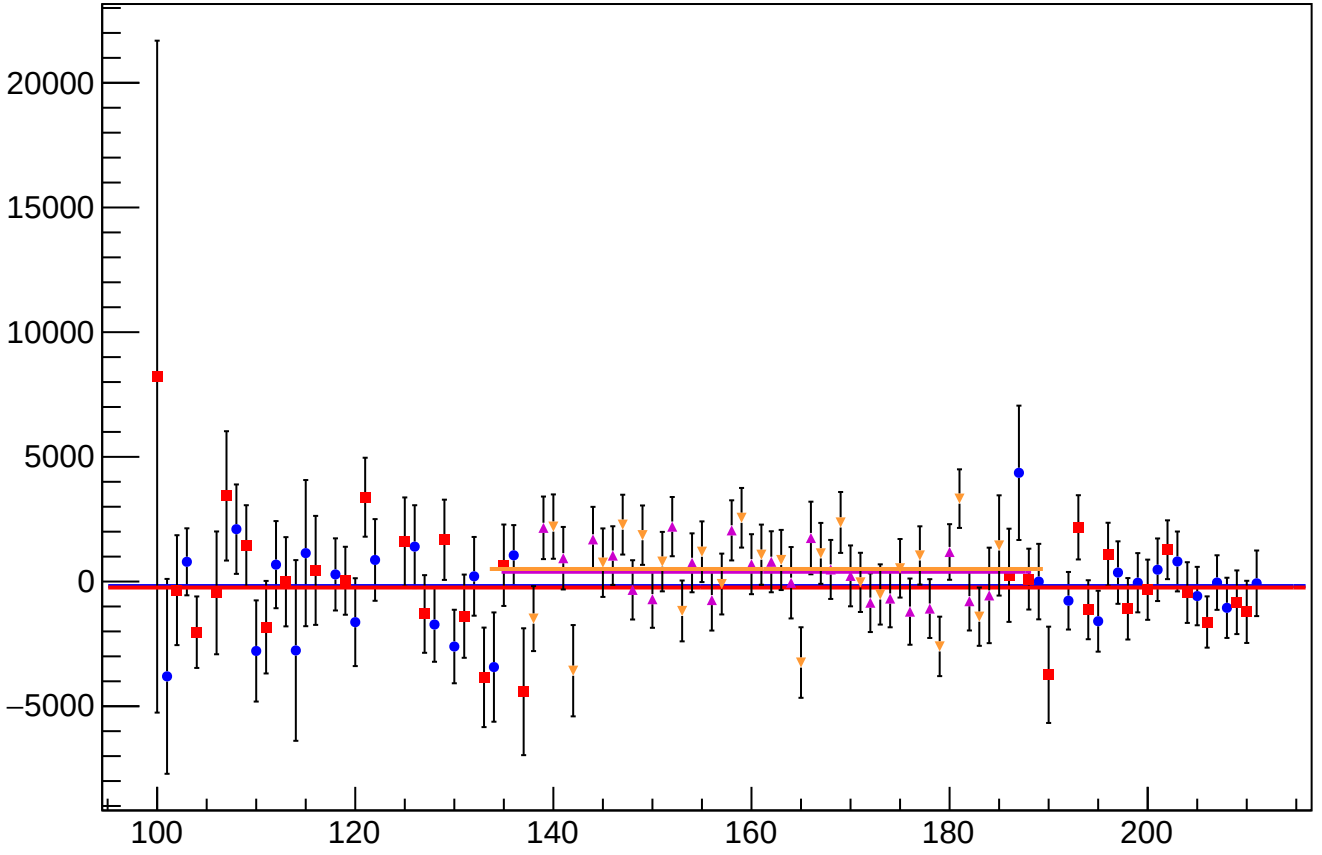
Left In: 3427.860+/-0.578 χ^2/NDF:1243133.8/22

+ sign 1179.840+/-0.225 χ^2/NDF: 42022352.6/51

All: 1102.294+/-0.152 χ^2/NDF: 87777231.1/1

- sign 1036.764+/-0.207 χ^2/NDF: 45536058.9/53

cor_asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -181.127+/-278.133 χ^2/NDF: 21.0/27

Left Out: 503.679+/-255.531 χ^2/NDF:44.6/23

Right Out: -239.863+/-272.137 χ^2/NDF: 34.2/30

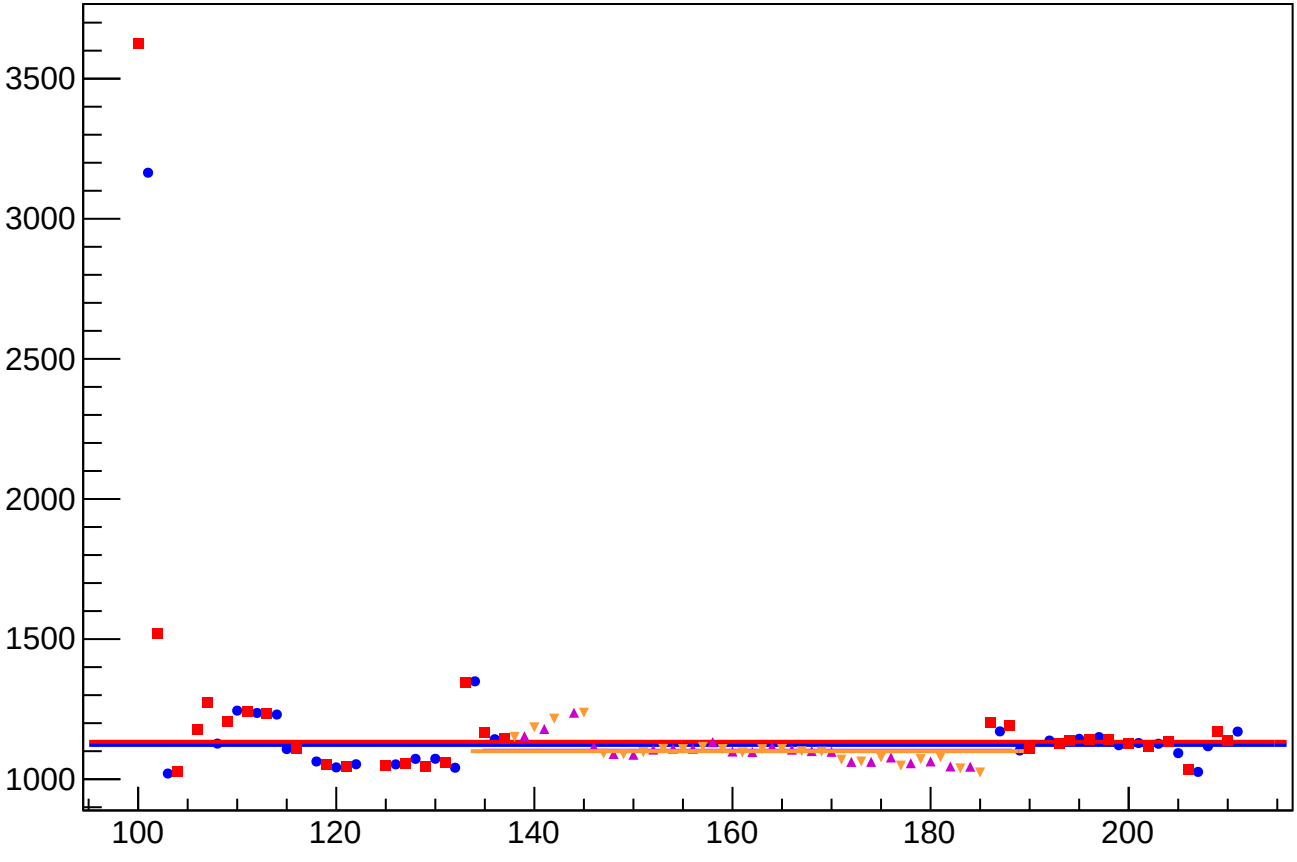
Left In: 391.689+/-257.386 χ^2/NDF:17.8/22

+ sign 190.227+/-188.171 χ^2/NDF: 68.9/51

All: 141.557+/-132.640 χ^2/NDF: 123.9/105

- sign 93.492+/-186.997 χ^2/NDF: 54.9/53

cor_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1122.479+/-0.197 χ^2/NDF: 644178.4/27

Left Out: 1100.063+/-0.181 χ^2/NDF:58733.9/23

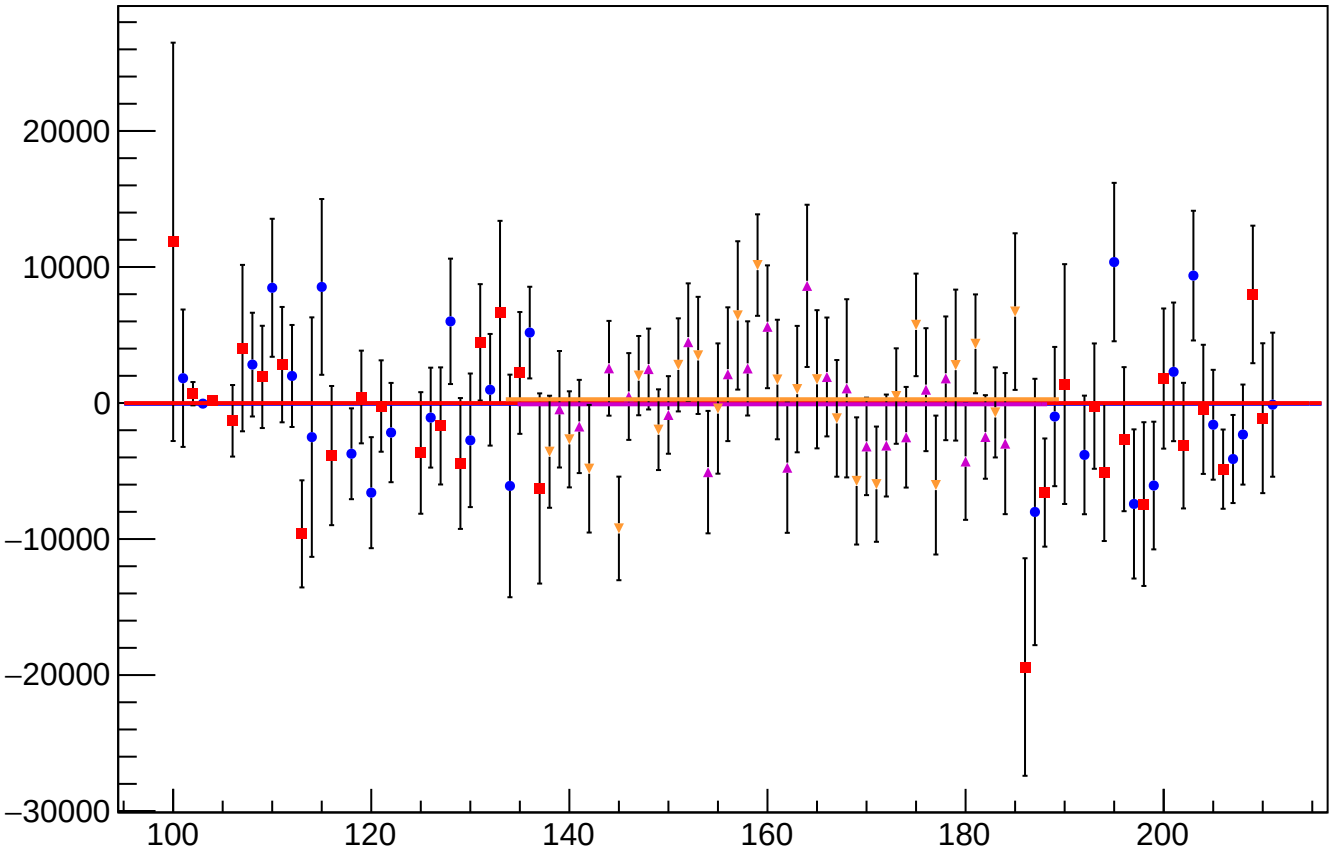
Right Out: 1133.536+/-0.192 χ^2/NDF: 249616.2/30

Left In: 1101.530+/-0.182 χ^2/NDF:52145.9/22

+ sign 1110.323+/-0.133 χ^2/NDF: 709956.5/51

All: 1113.505+/-0.094 χ^2/NDF: 1027460.5/10

- sign 1116.645+/-0.132 χ^2/NDF: 316368.0/53



Right In: -58.177+/-333.651 χ^2/NDF: 29.2/27

Left Out: 277.536+/-820.502 χ^2/NDF:29.9/23

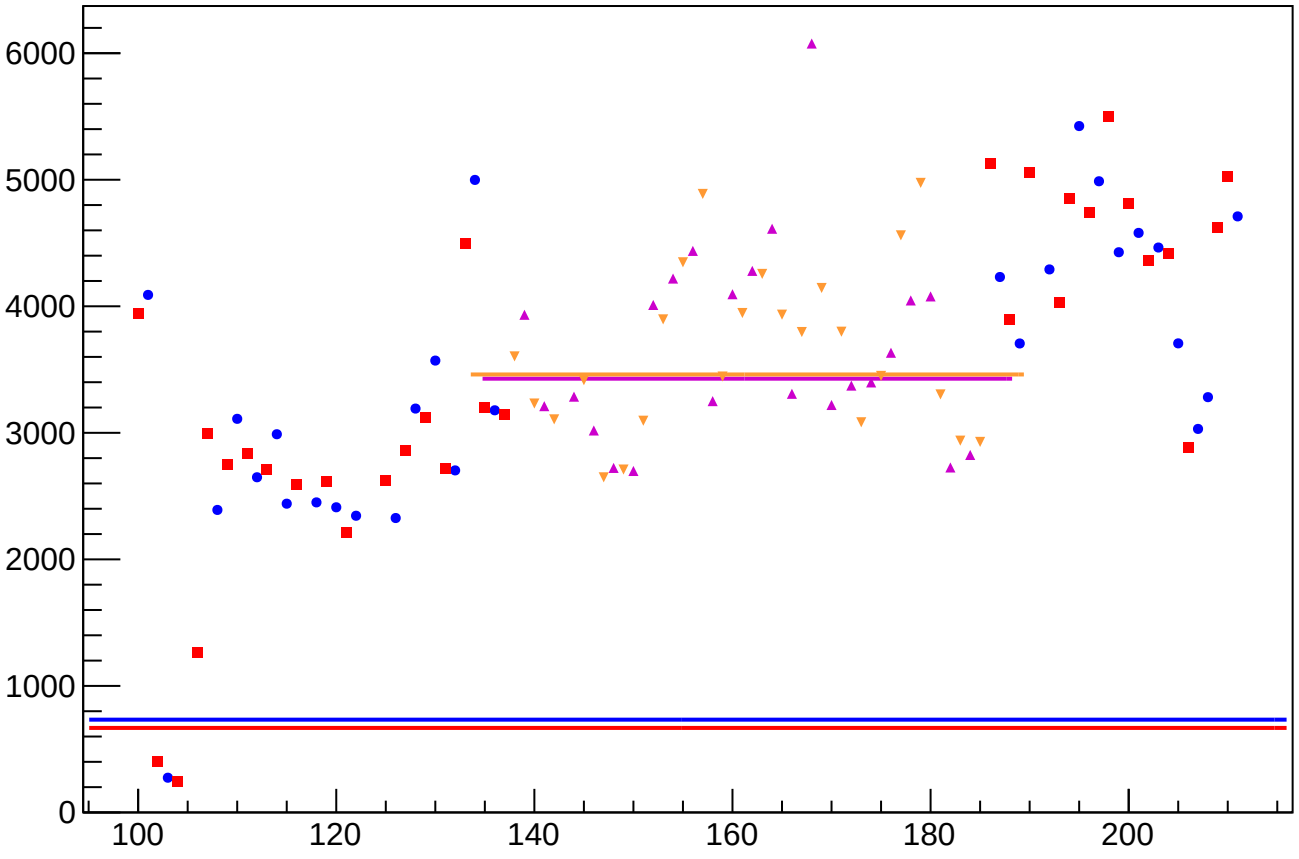
Right Out: -5.380+/-308.780 χ^2/NDF: 31.6/30

Left In: -94.742+/-817.222 χ^2/NDF:13.7/22

\+ sign -10.541+/-309.074 χ^2/NDF: 59.2/51

All: -13.745+/-211.035 χ^2/NDF: 104.5/105

\- sign -16.543+/-288.849 χ^2/NDF: 45.3/53



Right In: 733.345+/-0.236 χ^2/NDF: 23175238.8/27

Left Out: 3461.261+/-0.580 χ^2/NDF:1058691.8/23

Right Out: 668.001+/-0.218 χ^2/NDF: 24688967.8/30

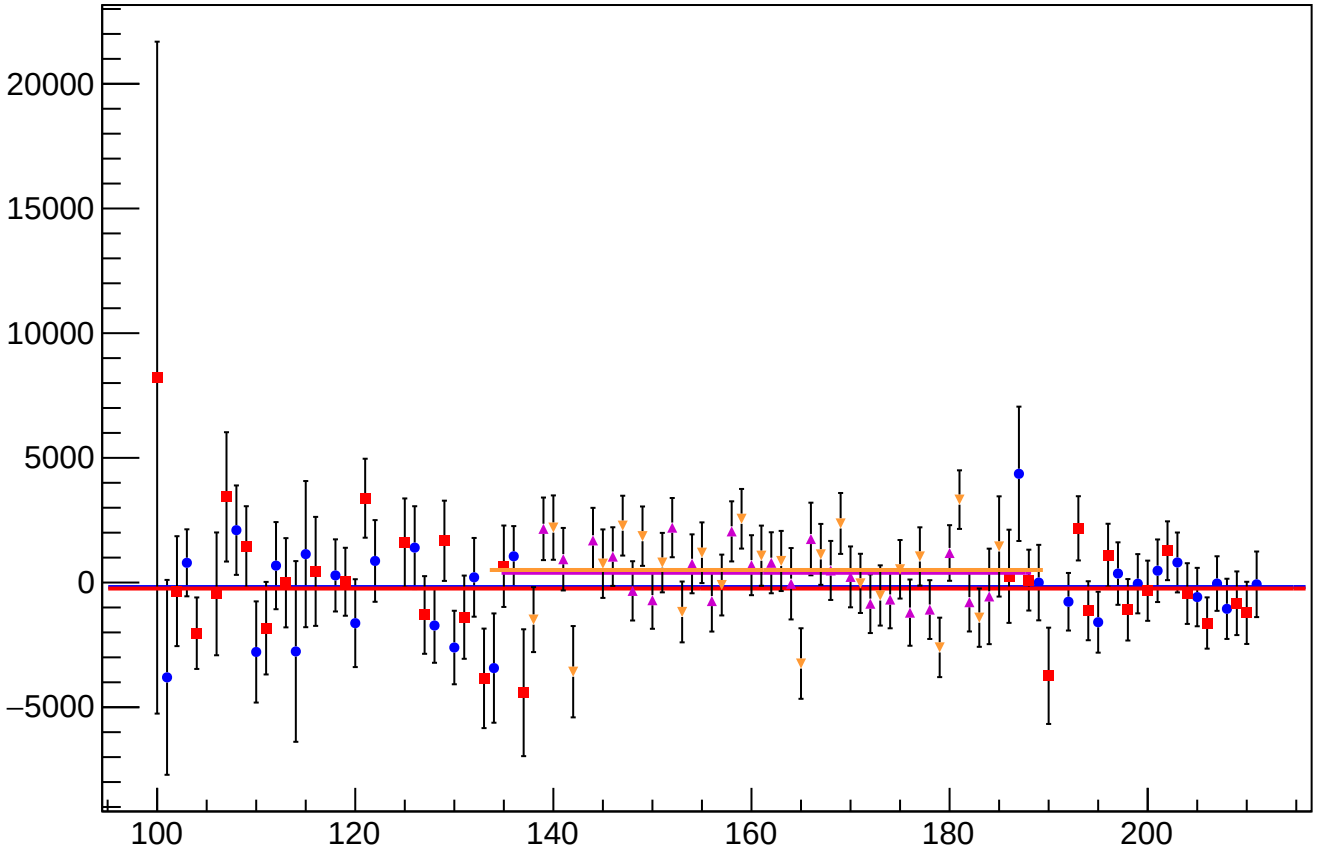
Left In: 3427.857+/-0.578 χ^2/NDF:1243147.4/22

+ sign 1120.423+/-0.219 χ^2/NDF: 43204199.7/51

All: 1062.967+/-0.149 χ^2/NDF: 89226055.5/1

- sign 1012.784+/-0.204 χ^2/NDF: 45892375.2/53

eigen_cor_asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -181.127+/-278.133 χ^2/NDF: 21.0/27

Left Out: 503.679+/-255.531 χ^2/NDF:44.6/23

Right Out: -239.863+/-272.137 χ^2/NDF: 34.2/30

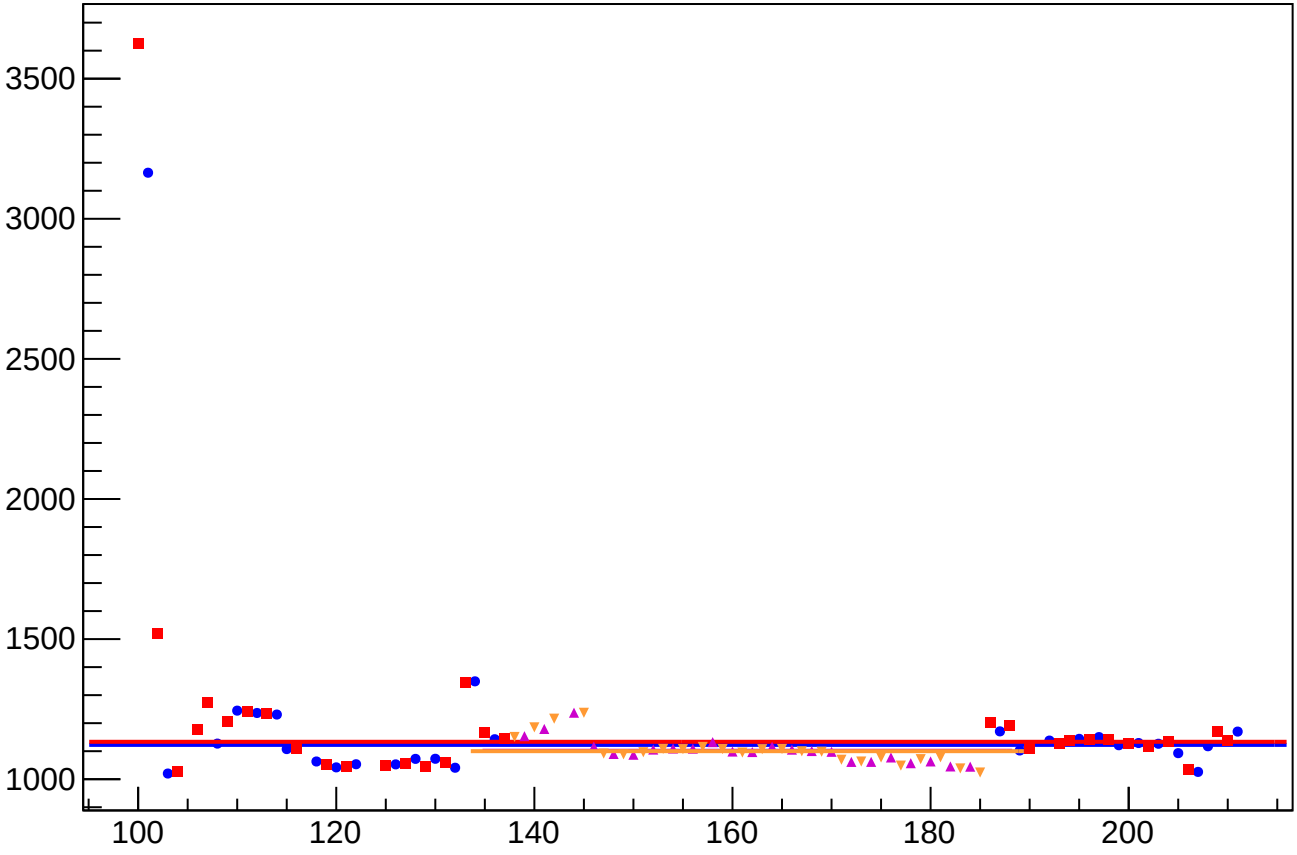
Left In: 391.689+/-257.386 χ^2/NDF:17.8/22

+ sign 190.227+/-188.171 χ^2/NDF: 68.9/51

All: 141.557+/-132.640 χ^2/NDF: 123.9/105

- sign 93.492+/-186.997 χ^2/NDF: 54.9/53

eigen_cor_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1122.479+/-0.197 χ^2/NDF: 644178.4/27

Left Out: 1100.063+/-0.181 χ^2/NDF:58733.9/23

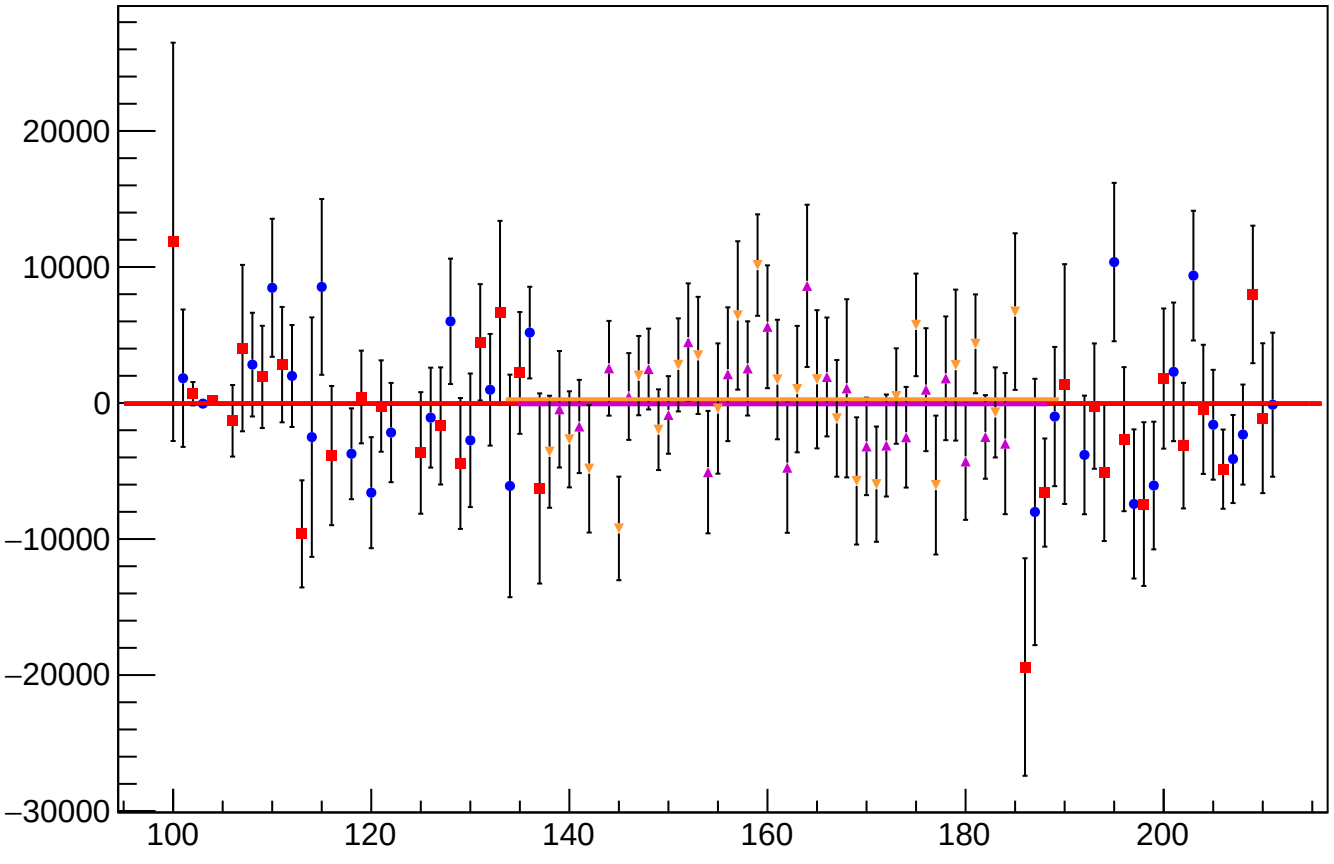
Right Out: 1133.536+/-0.192 χ^2/NDF: 249616.2/30

Left In: 1101.530+/-0.182 χ^2/NDF:52145.9/22

+ sign 1110.323+/-0.133 χ^2/NDF: 709956.5/51

All: 1113.505+/-0.094 χ^2/NDF: 1027460.5/10

- sign 1116.645+/-0.132 χ^2/NDF: 316368.0/53



Right In: -58.177+/-333.651 χ^2/NDF: 29.2/27

Left Out: 277.536+/-820.502 χ^2/NDF:29.9/23

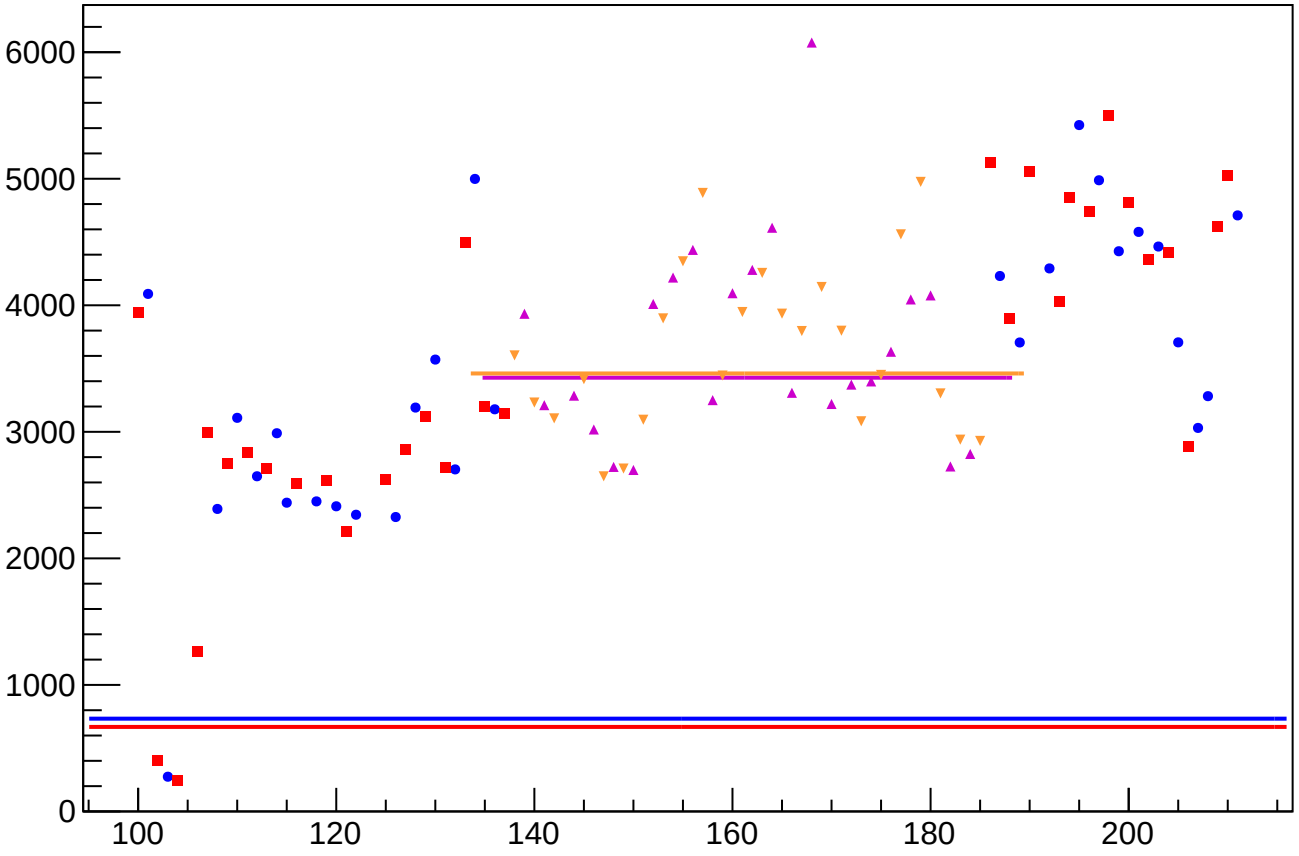
Right Out: -5.380+/-308.780 χ^2/NDF: 31.6/30

Left In: -94.742+/-817.222 χ^2/NDF:13.7/22

+ sign -10.541+/-309.074 χ^2/NDF: 59.2/51

All: -13.745+/-211.035 χ^2/NDF: 104.5/105

- sign -16.543+/-288.849 χ^2/NDF: 45.3/53



Right In: 733.345+/-0.236 χ^2/NDF: 23175238.8/27

Left Out: 3461.261+/-0.580 χ^2/NDF:1058691.8/23

Right Out: 668.001+/-0.218 χ^2/NDF: 24688967.8/30

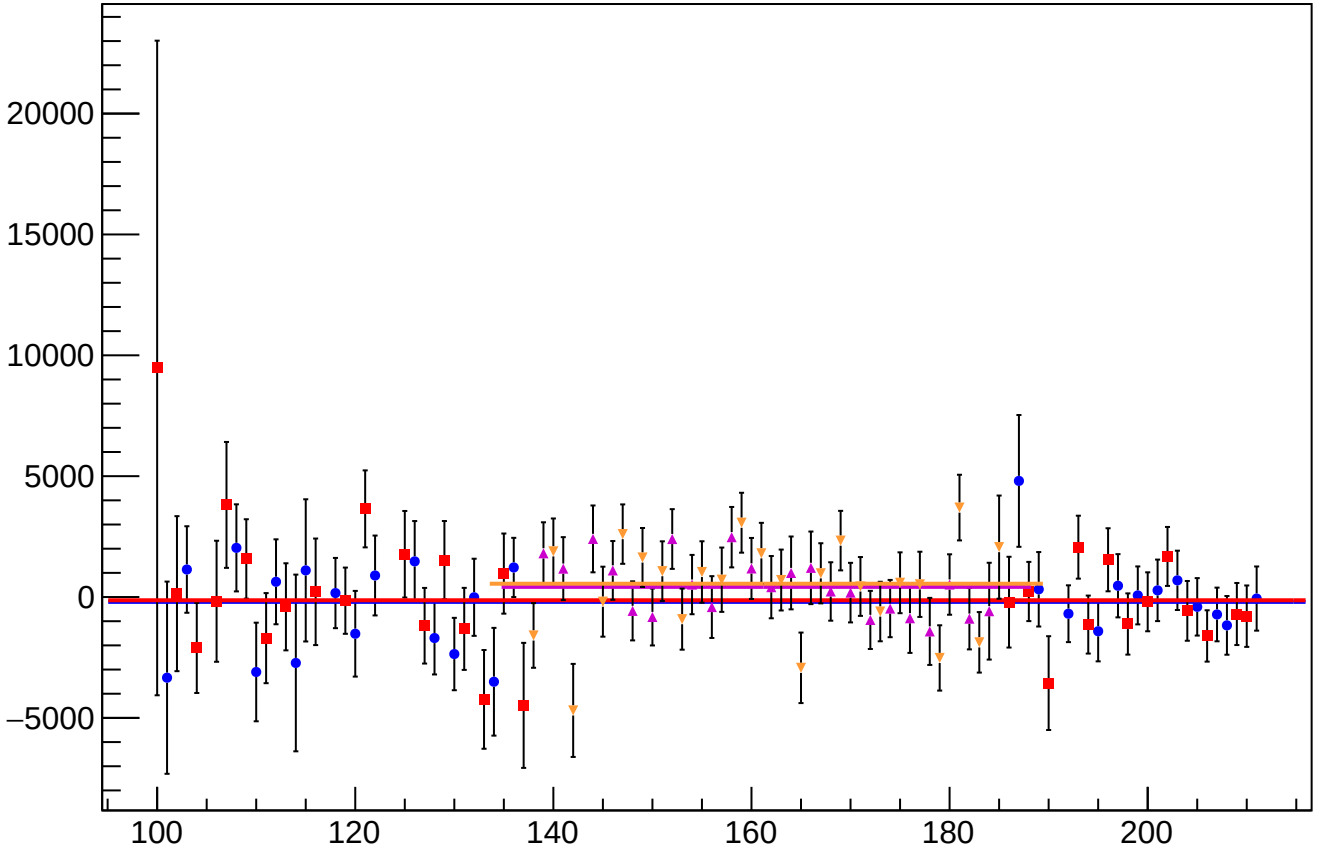
Left In: 3427.857+/-0.578 χ^2/NDF:1243147.4/22

+ sign 1120.423+/-0.219 χ^2/NDF: 43204199.7/51

All: 1062.967+/-0.149 χ^2/NDF: 89226055.5/1

- sign 1012.784+/-0.204 χ^2/NDF: 45892375.2/53

dit_asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -199.901+/-284.509 χ^2/NDF: 20.8/27

Left Out: 550.661+/-269.206 χ^2/NDF:45.2/23

Right Out: -133.446+/-279.258 χ^2/NDF: 35.6/30

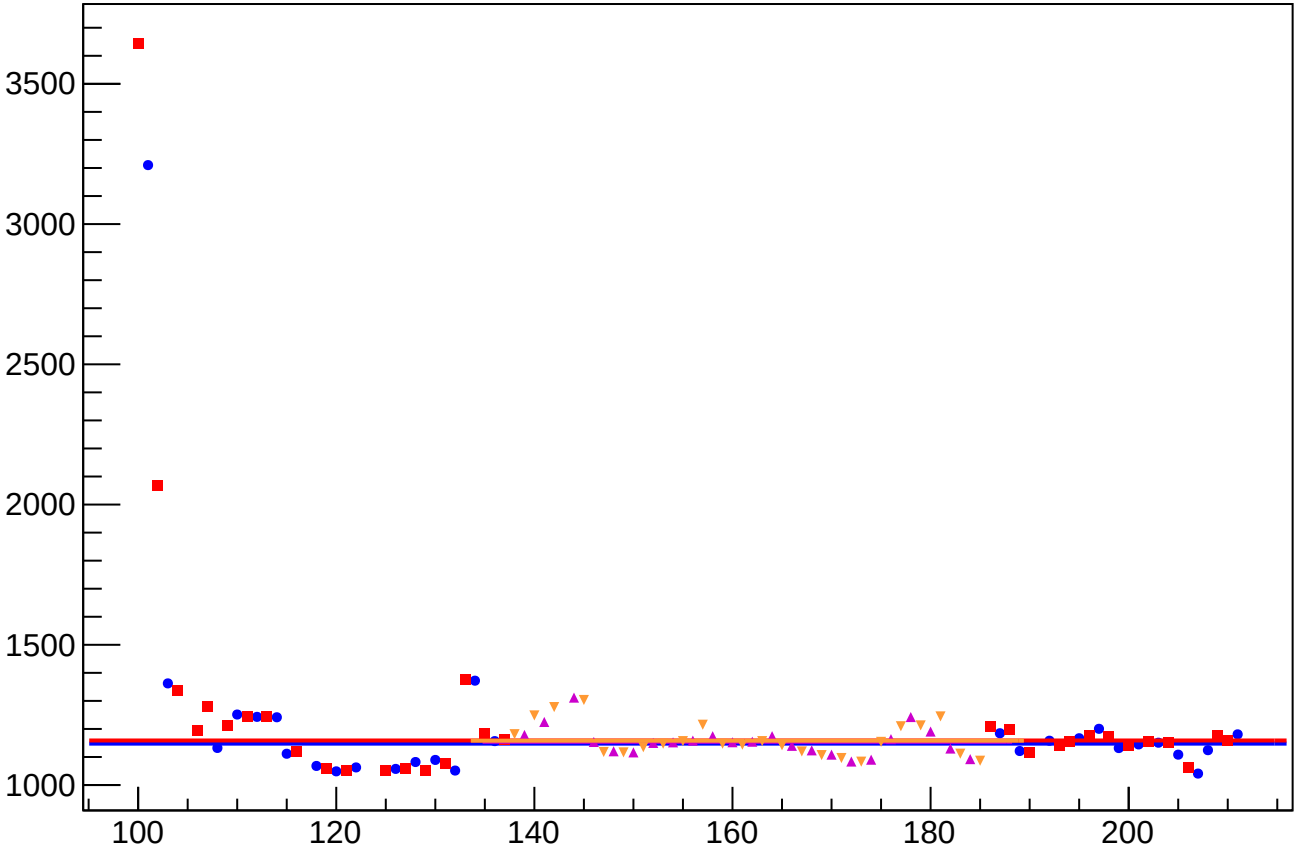
Left In: 421.023+/-269.815 χ^2/NDF:18.0/22

+ sign 196.108+/-195.544 χ^2/NDF: 69.7/51

All: 174.550+/-137.736 χ^2/NDF: 125.3/105

- sign 153.322+/-194.041 χ^2/NDF: 55.6/53

dit_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1147.667+/-0.201 χ^2/NDF: 665597.3/27

Left Out: 1158.177+/-0.190 χ^2/NDF:84111.8/23

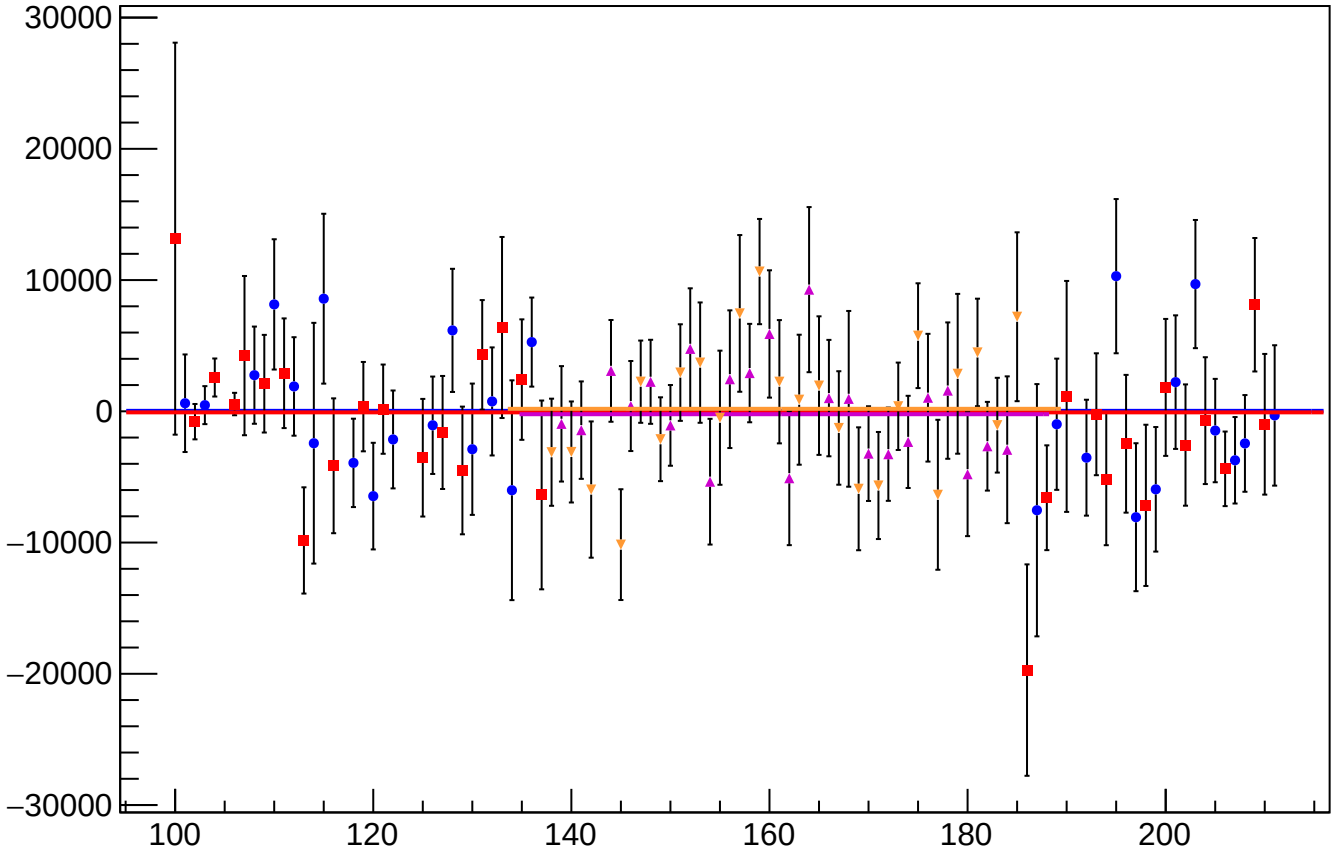
Right Out: 1158.886+/-0.197 χ^2/NDF: 356028.9/30

Left In: 1154.231+/-0.191 χ^2/NDF:66476.9/22

+ sign 1153.212+/-0.138 χ^2/NDF: 751148.9/51

All: 1154.858+/-0.097 χ^2/NDF: 1174223.4/10

- sign 1156.478+/-0.137 χ^2/NDF: 422793.3/53



Right In: 34.463+/-732.947 χ^2/NDF: 28.8/27

Left Out: 189.735+/-869.432 χ^2/NDF:29.3/23

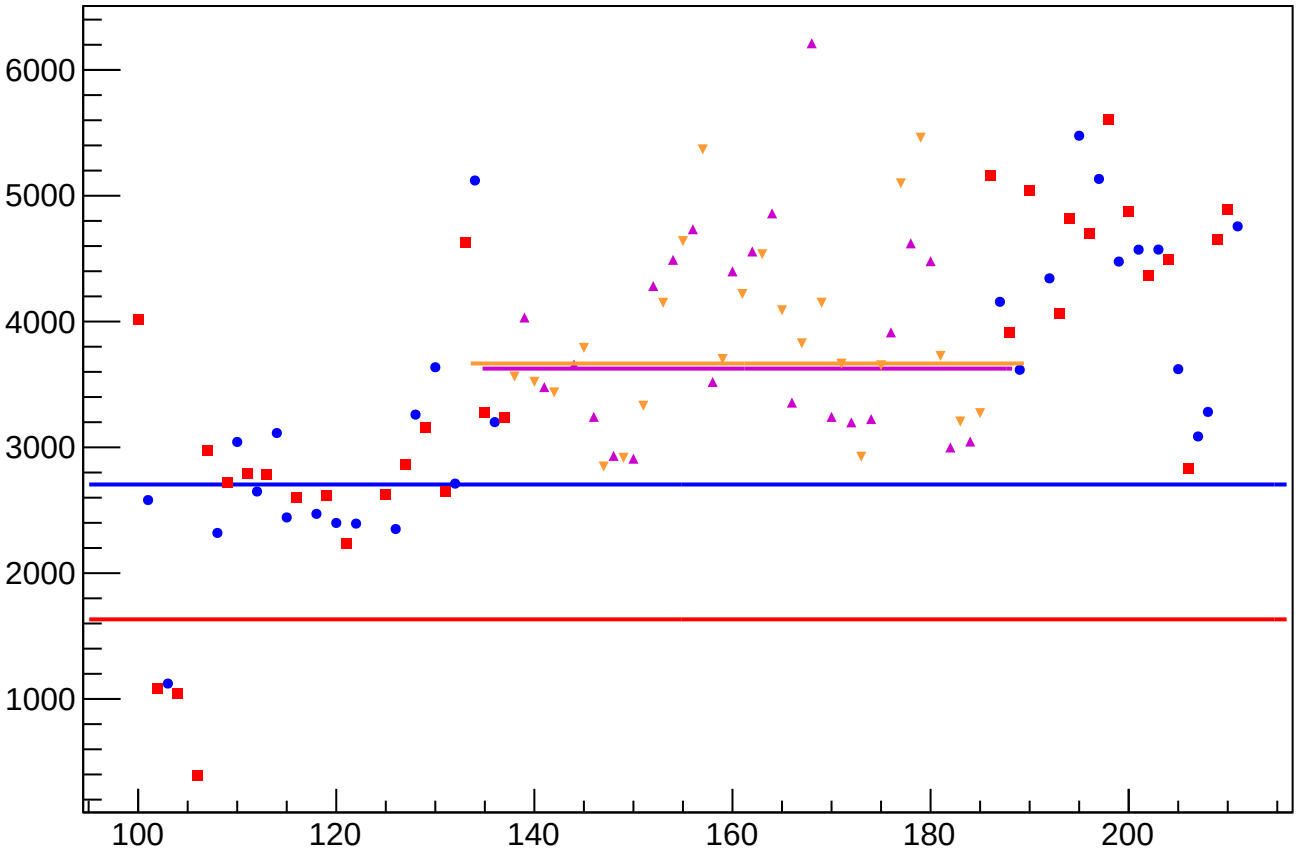
Right Out: -79.425+/-520.837 χ^2/NDF: 33.9/30

Left In: -221.361+/-864.775 χ^2/NDF:13.4/22

+ sign 98.969+/-560.387 χ^2/NDF: 58.1/51

All: -33.338+/-349.047 χ^2/NDF: 105.5/105

- sign -117.206+/-446.165 χ^2/NDF: 47.3/53



Right In: 2704.804+/-0.518 χ^2/NDF: 5313176.8/27

Left Out: 3666.536+/-0.615 χ^2/NDF:1095831.4/23

Right Out: 1632.941+/-0.368 χ^2/NDF: 15323438.5/30

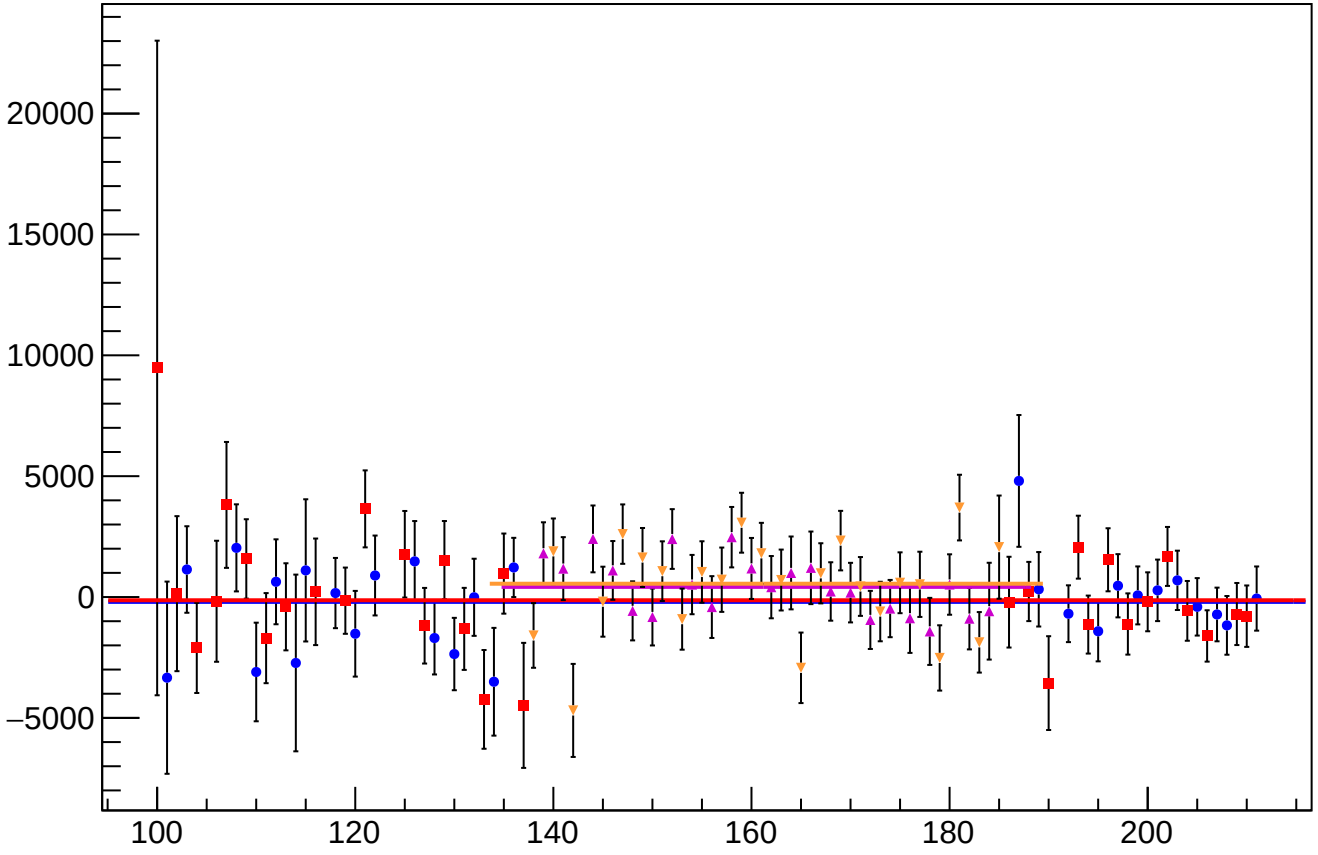
Left In: 3625.940+/-0.611 χ^2/NDF:1257928.4/22

+ sign 3104.342+/-0.396 χ^2/NDF: 7839542.8/51

All: 2528.481+/-0.247 χ^2/NDF: 35666799.2/1

- sign 2163.448+/-0.315 χ^2/NDF: 24376511.4/53

eigen_dit_asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -199.899+/-284.509 χ^2/NDF: 20.8/27

Left Out: 550.663+/-269.206 χ^2/NDF:45.2/23

Right Out: -133.446+/-279.258 χ^2/NDF: 35.6/30

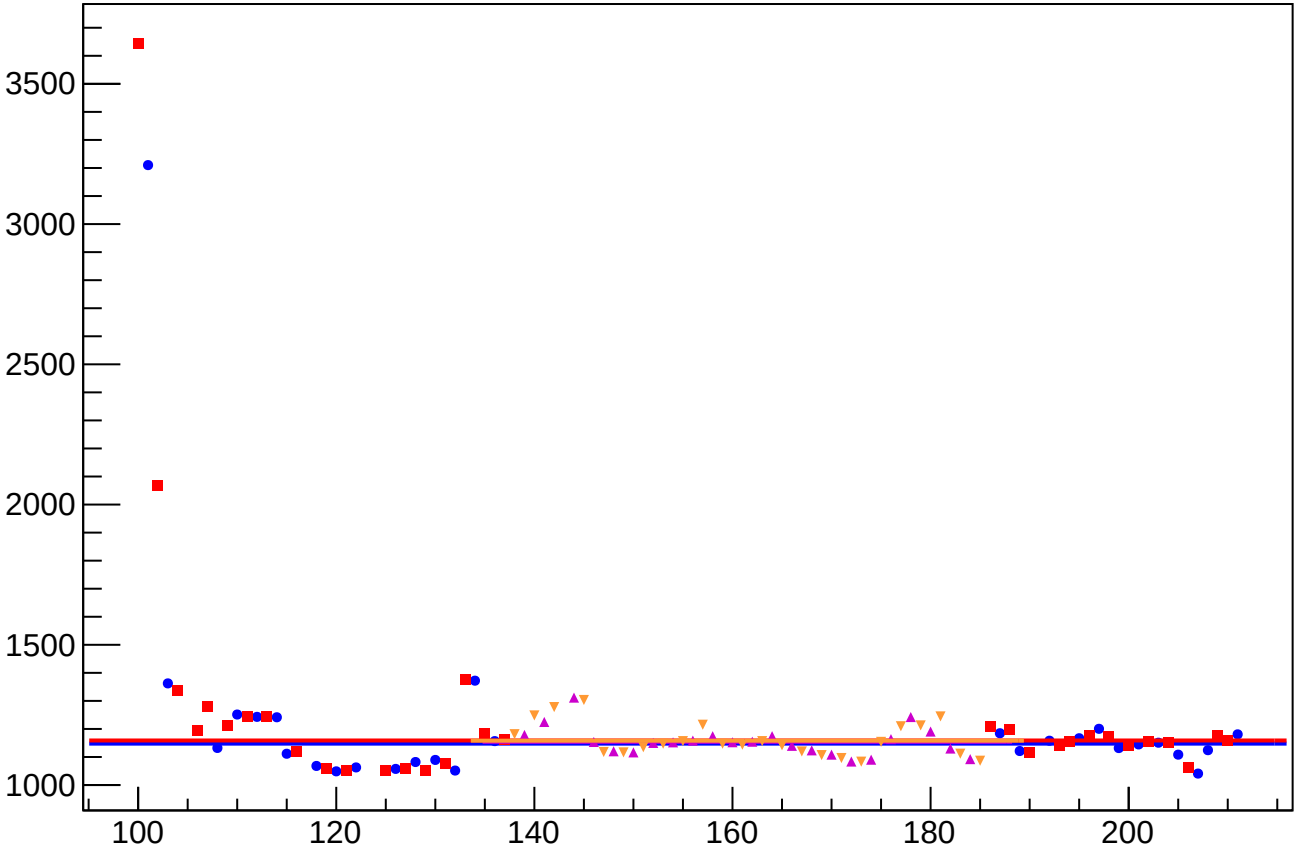
Left In: 421.022+/-269.815 χ^2/NDF:18.0/22

+ sign 196.109+/-195.544 χ^2/NDF: 69.7/51

All: 174.550+/-137.736 χ^2/NDF: 125.3/105

- sign 153.321+/-194.041 χ^2/NDF: 55.6/53

eigen_dit_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1147.667+/-0.201 χ^2/NDF: 665597.7/27

Left Out: 1158.178+/-0.190 χ^2/NDF:84114.3/23

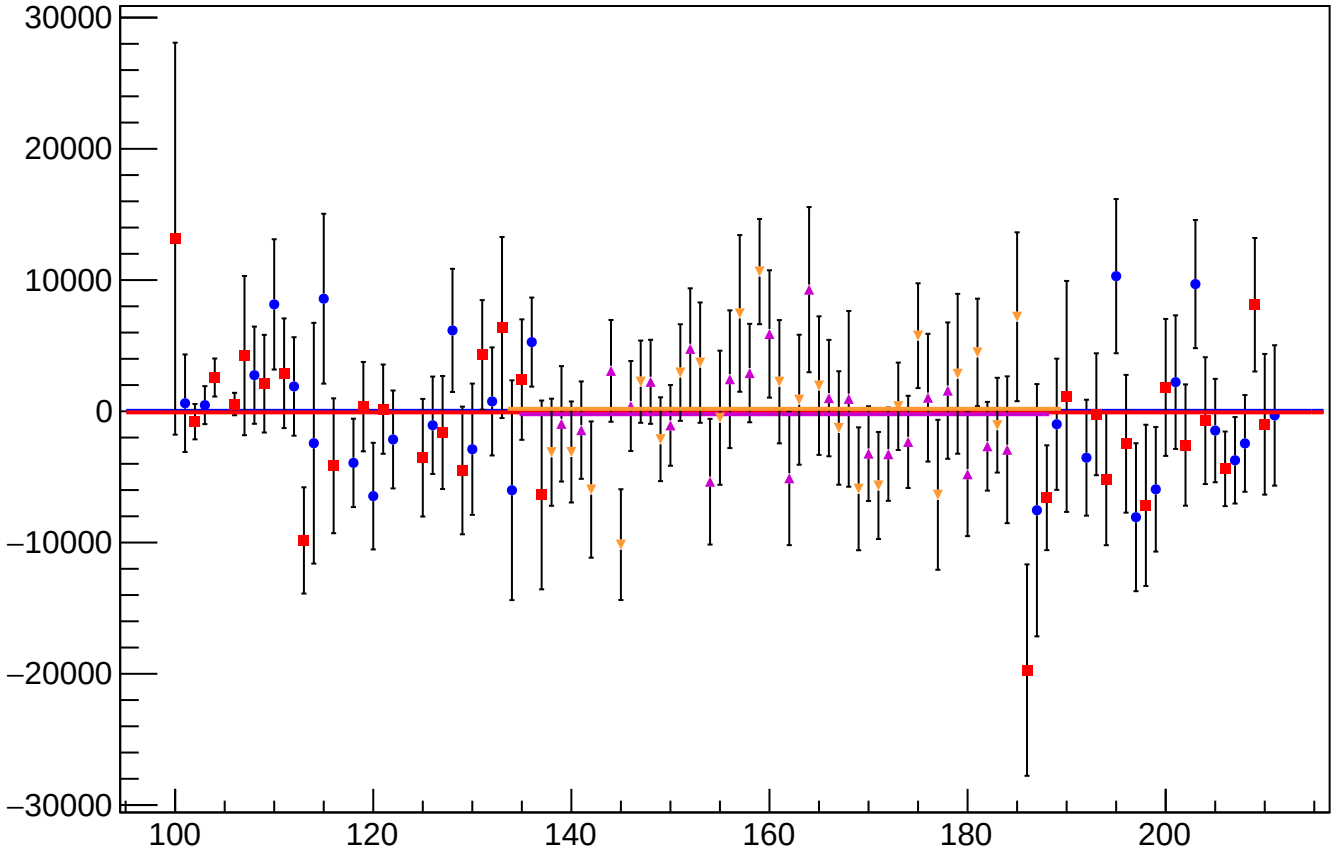
Right Out: 1158.886+/-0.197 χ^2/NDF: 356028.7/30

Left In: 1154.232+/-0.191 χ^2/NDF:66479.5/22

+ sign 1153.213+/-0.138 χ^2/NDF: 751152.1/51

All: 1154.859+/-0.097 χ^2/NDF: 1174228.7/10

- sign 1156.479+/-0.137 χ^2/NDF: 422795.5/53



Right In: 34.461+/-732.946 χ^2/NDF: 28.8/27

Left Out: 189.735+/-869.434 χ^2/NDF:29.3/23

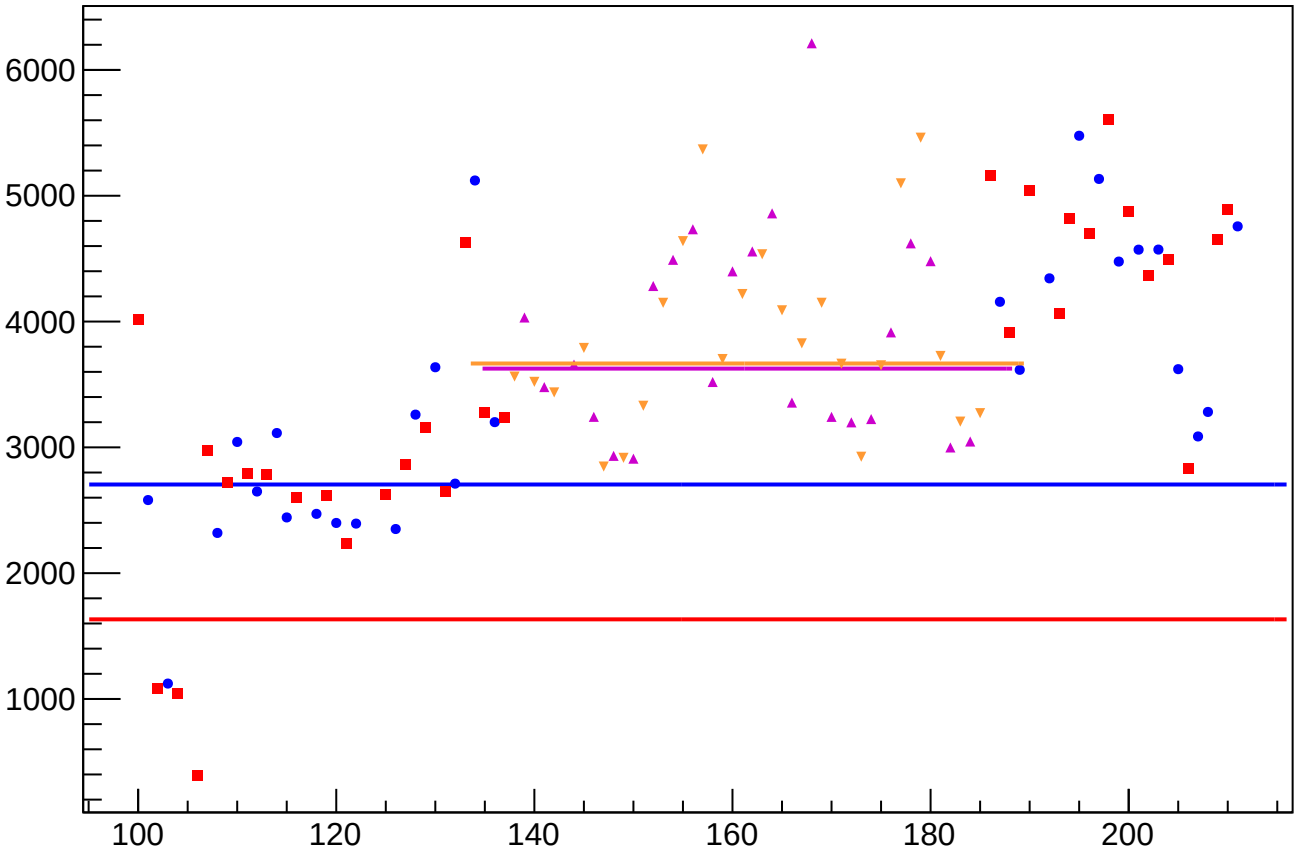
Right Out: -79.414+/-520.832 χ^2/NDF: 33.9/30

Left In: -221.363+/-864.776 χ^2/NDF:13.4/22

+ sign 98.967+/-560.387 χ^2/NDF: 58.1/51

All: -33.335+/-349.045 χ^2/NDF: 105.5/105

- sign -117.198+/-446.161 χ^2/NDF: 47.3/53



Right In: 2704.801+/-0.518 χ^2/NDF: 5313200.4/27

Left Out: 3666.541+/-0.615 χ^2/NDF:1095834.2/23

Right Out: 1632.912+/-0.368 χ^2/NDF: 15323745.5/30

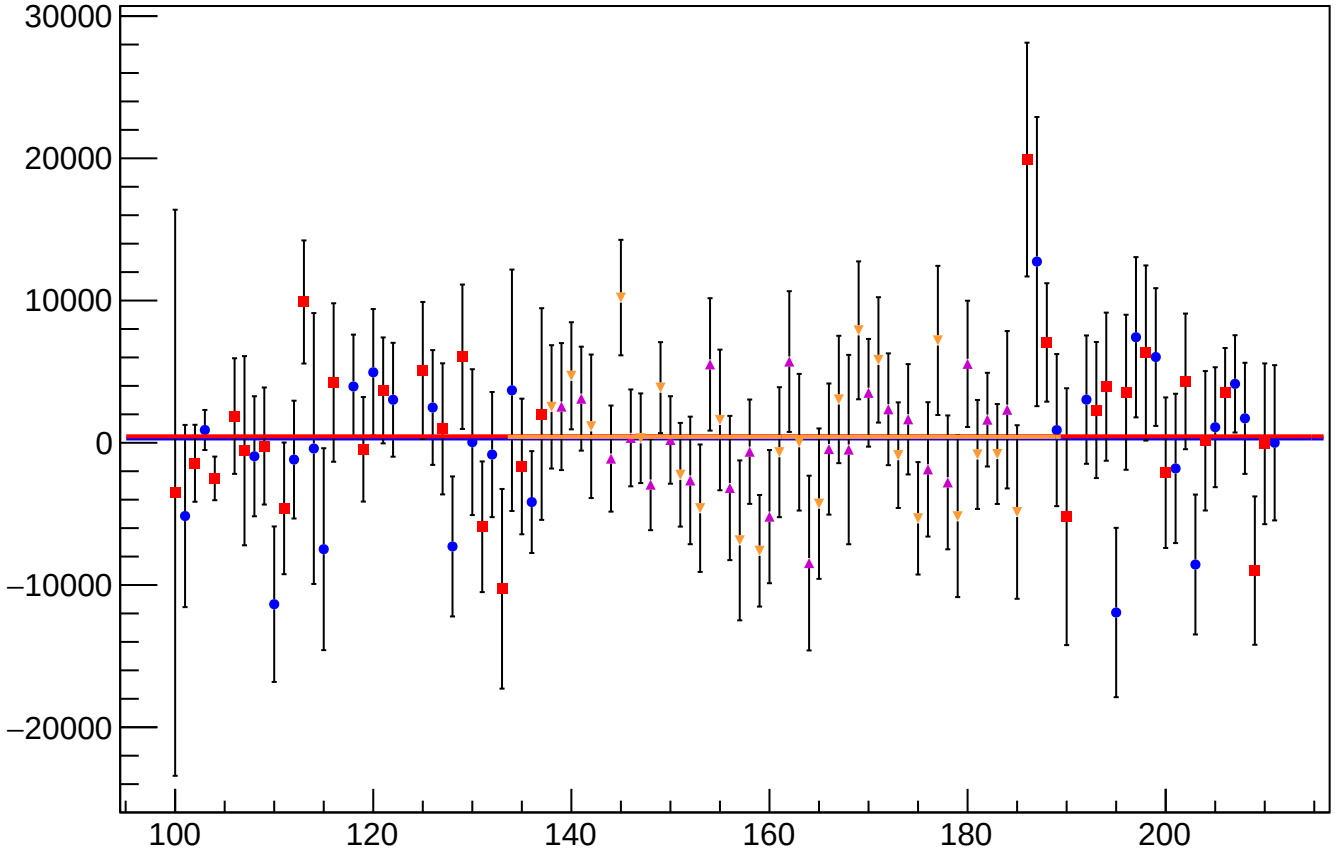
Left In: 3625.945+/-0.611 χ^2/NDF:1257933.0/22

+ sign 3104.342+/-0.396 χ^2/NDF: 7839591.3/51

All: 2528.459+/-0.247 χ^2/NDF: 35667678.8/1

- sign 2163.419+/-0.315 χ^2/NDF: 24377114.9/53

asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: 303.375+/-768.263 χ^2/NDF: 27.8/27

Left Out: 413.494+/-865.331 χ^2/NDF:27.2/23

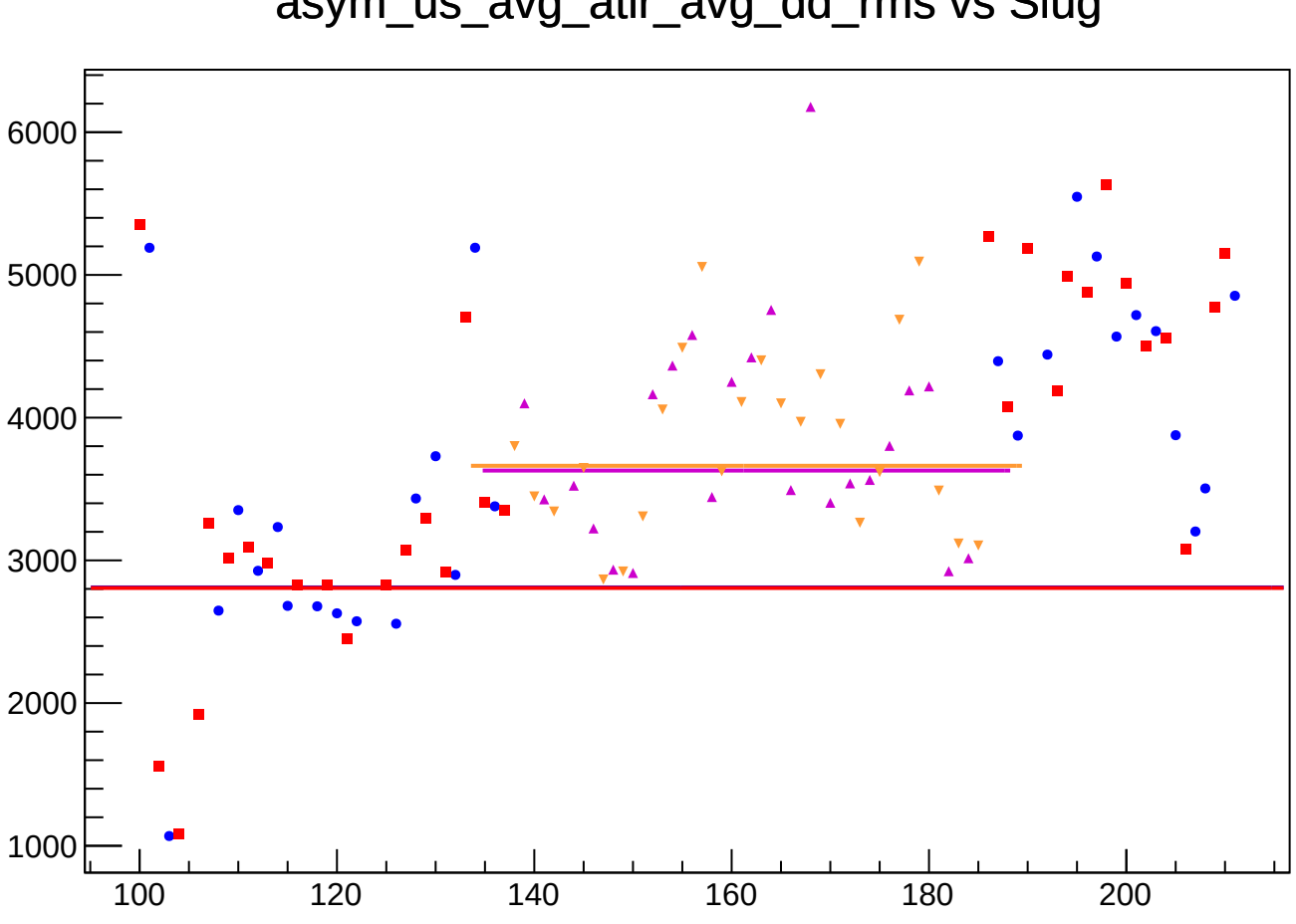
Right Out: 454.859+/-753.311 χ^2/NDF: 33.8/30

Left In: 403.543+/-862.437 χ^2/NDF:12.3/22

+ sign 351.914+/-574.510 χ^2/NDF: 55.0/51

All: 392.788+/-403.687 χ^2/NDF: 101.1/105

- sign 432.651+/-567.355 χ^2/NDF: 46.1/53



Right In: 2810.434+/-0.543 χ^2/NDF: 6132273.1/27

Left Out: 3662.662+/-0.612 χ^2/NDF:893468.3/23

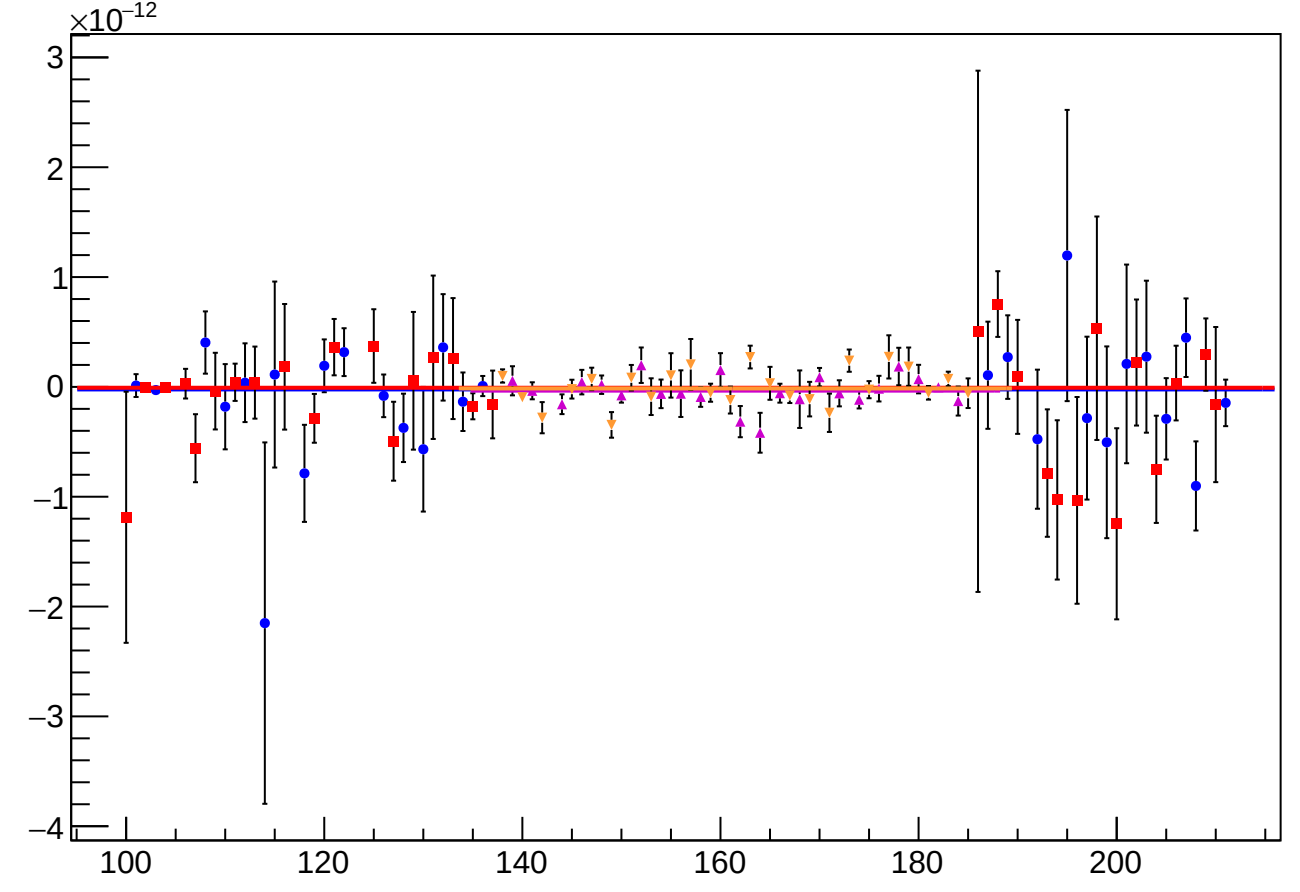
Right Out: 2806.717+/-0.532 χ^2/NDF: 6562378.0/30

Left In: 3629.184+/-0.610 χ^2/NDF:1054949.6/22

+ sign 3186.085+/-0.406 χ^2/NDF: 8110550.9/51

All: 3173.866+/-0.285 χ^2/NDF: 16762918.5/1

- sign 3161.971+/-0.401 χ^2/NDF: 8650582.1/53



Right In: -0.000+/-0.000 χ^2/NDF: 23.7/27

Left Out: -0.000+/-0.000 χ^2/NDF:45.3/23

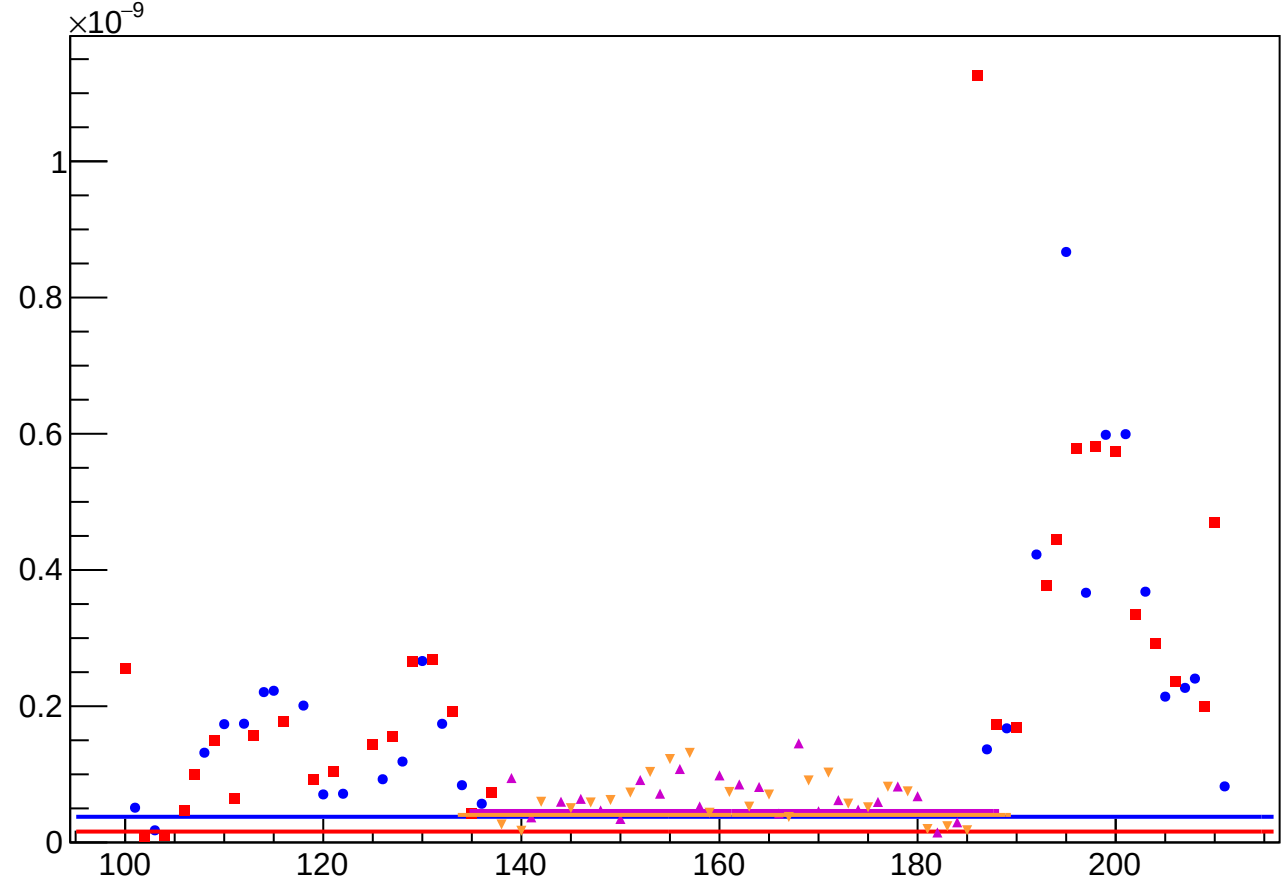
Right Out: -0.000+/-0.000 χ^2/NDF: 31.2/30

Left In: -0.000+/-0.000 χ^2/NDF:22.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 69.1/51

All: -0.000+/-0.000 χ^2/NDF: 124.3/105

- sign -0.000+/-0.000 χ^2/NDF: 55.2/53



Right In: 0.000+/-0.000 χ^2/NDF: 9026044.7/27

Left Out: 0.000+/-0.000 χ^2/NDF:3432253.9/23

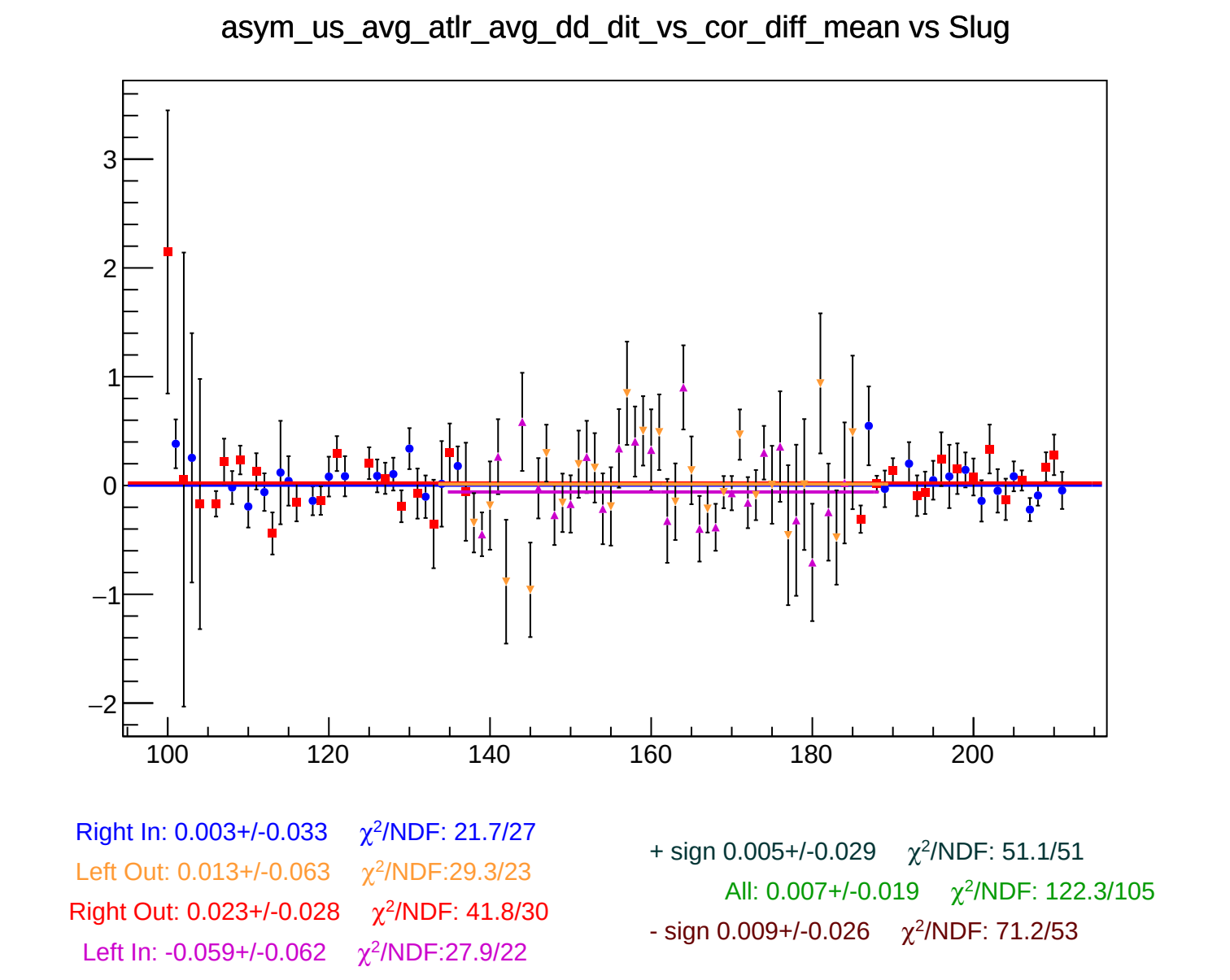
Right Out: 0.000+/-0.000 χ^2/NDF: 12068490.6/30

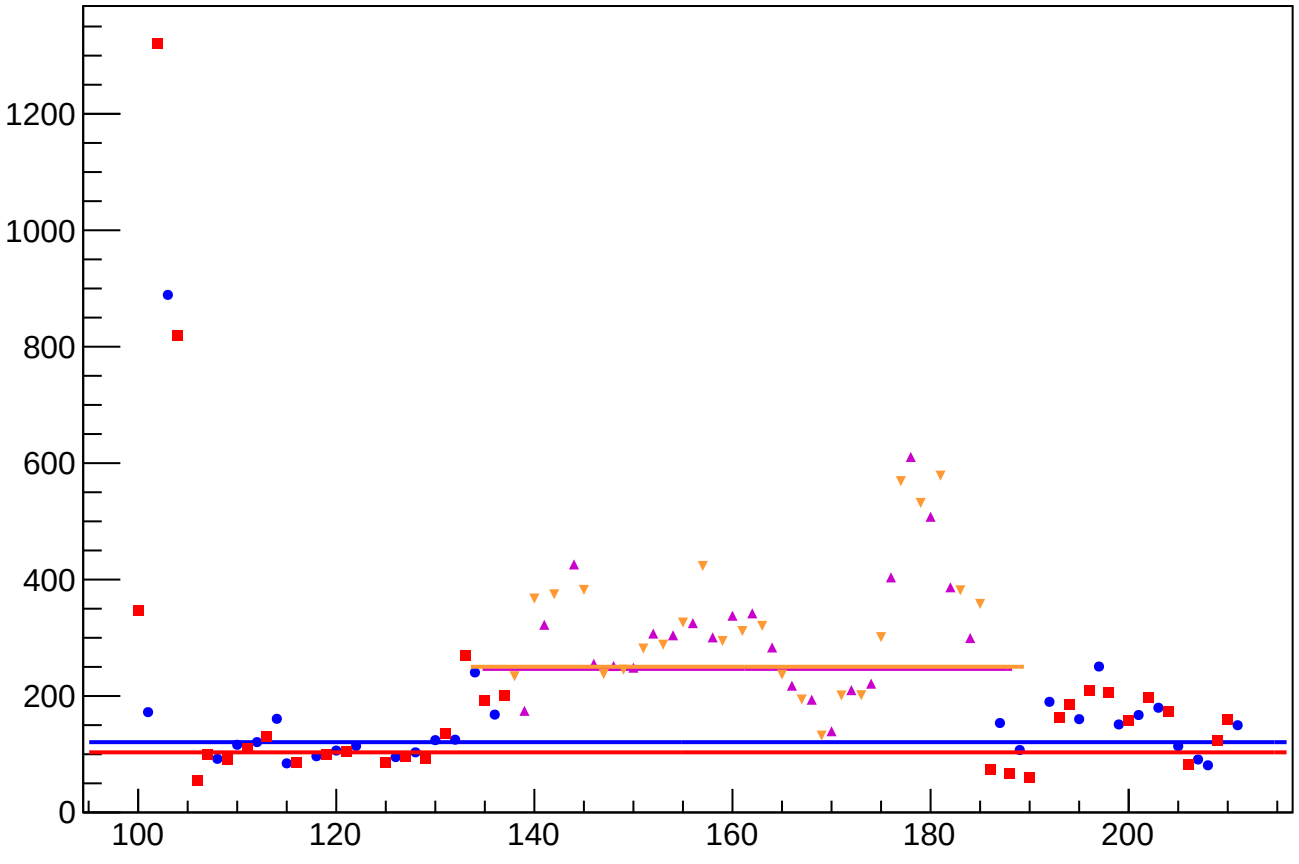
Left In: 0.000+/-0.000 χ^2/NDF:2954466.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 12473839.3/51

All: 0.000+/-0.000 χ^2/NDF: 31325204.9/105

- sign 0.000+/-0.000 χ^2/NDF: 17939145.5/53


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
Right In: 0.003+/-0.033 χ²/NDF: 21.7/27
Left Out: 0.013+/-0.063 χ²/NDF:29.3/23
Right Out: 0.023+/-0.028 χ²/NDF: 41.8/30
Left In: -0.059+/-0.062 χ²/NDF:27.9/22
+ sign 0.005+/-0.029 χ²/NDF: 51.1/51
All: 0.007+/-0.019 χ²/NDF: 122.3/105
- sign 0.009+/-0.026 χ²/NDF: 71.2/53



Right In: 120.733+/-0.023 χ^2/NDF: 3355707.7/27

Left Out: 250.247+/-0.045 χ^2/NDF:4353162.7/23

Right Out: 103.238+/-0.020 χ^2/NDF: 6049638.4/30

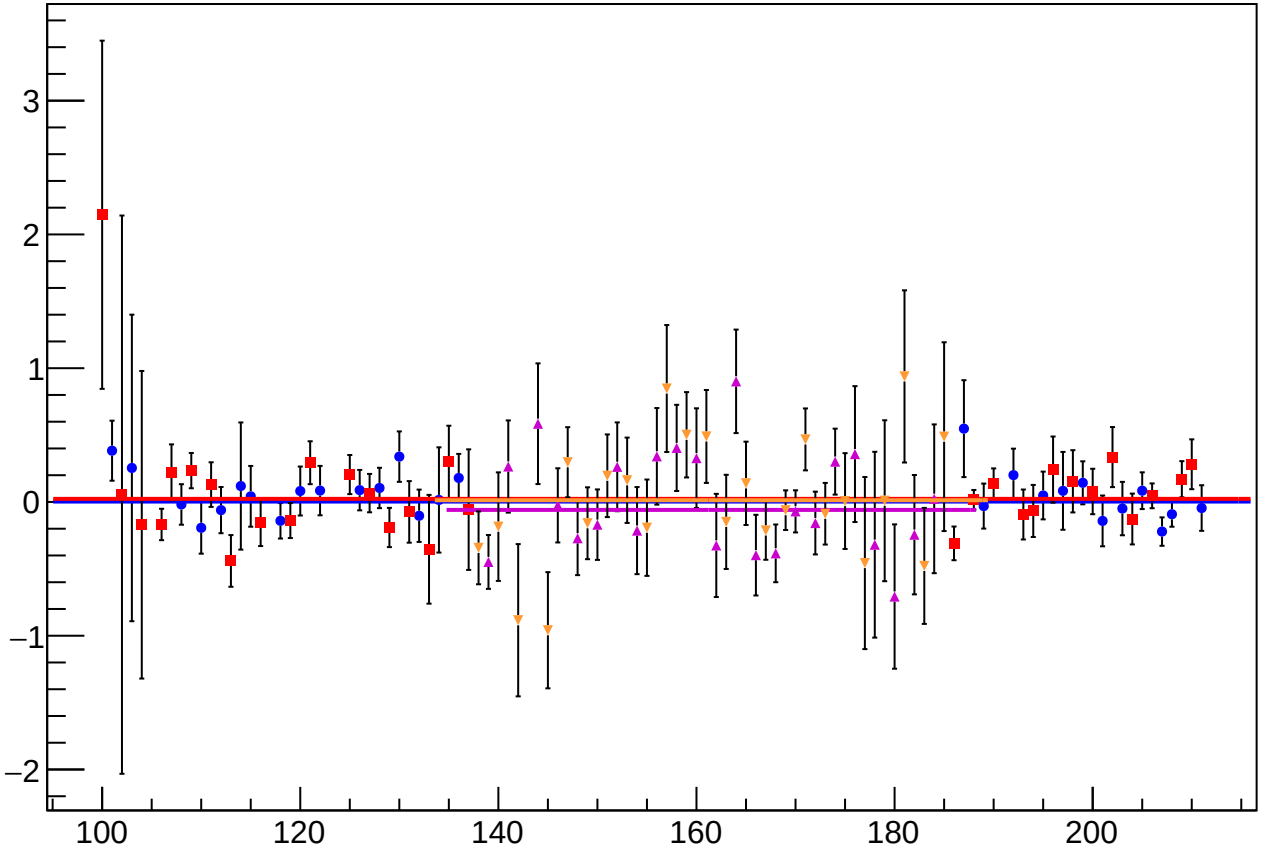
Left In: 246.630+/-0.044 χ^2/NDF:3773083.4/22

+ sign 148.162+/-0.021 χ^2/NDF: 14369503.6/51

All: 137.080+/-0.014 χ^2/NDF: 33546758.5/10

- sign 128.242+/-0.018 χ^2/NDF: 18652147.3/53

asym_us_avg_atlr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.003+/-0.033 χ^2/NDF: 21.7/27

Left Out: 0.013+/-0.063 χ^2/NDF:29.3/23

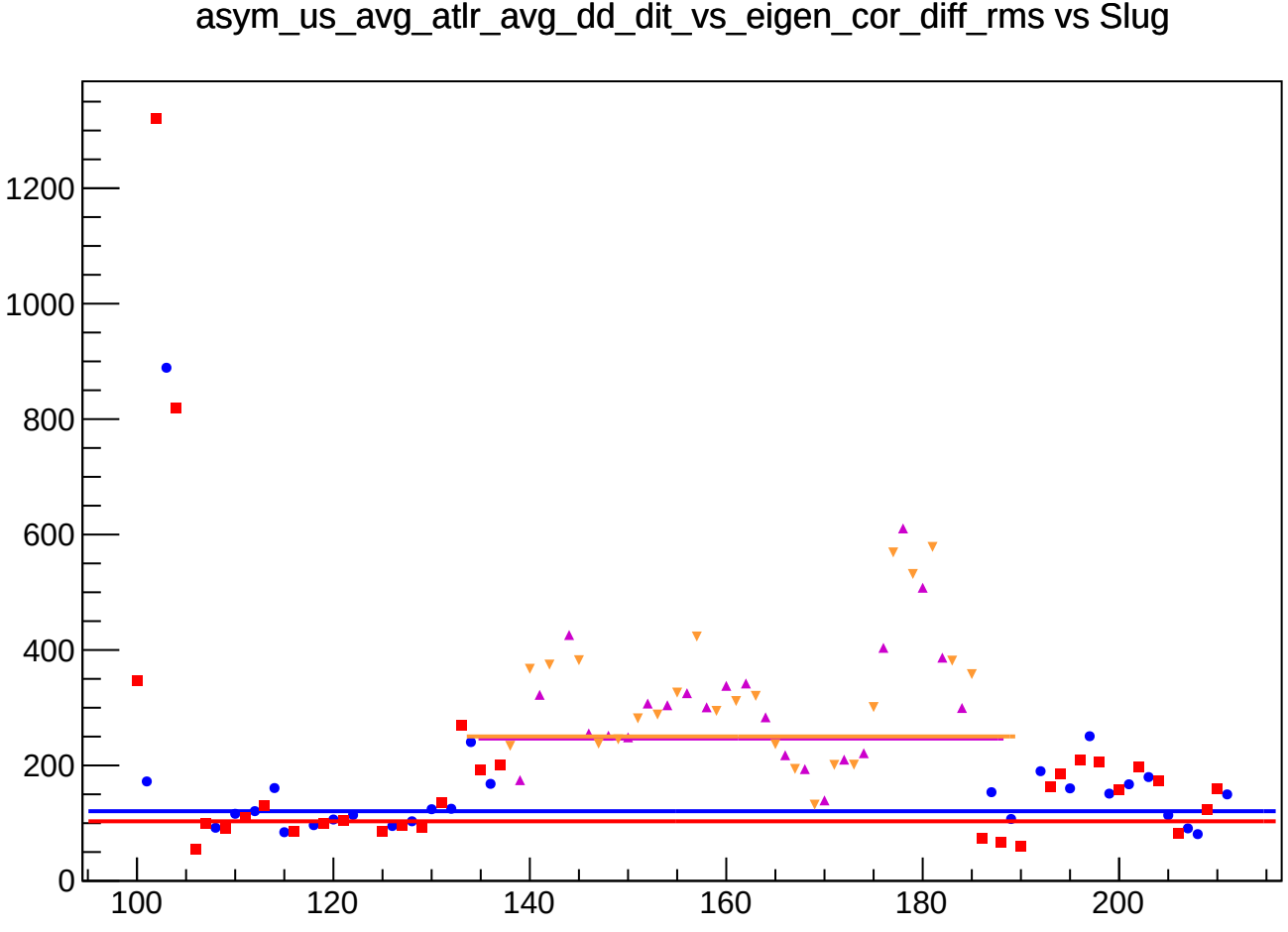
Right Out: 0.023+/-0.028 χ^2/NDF: 41.8/30

Left In: -0.059+/-0.062 χ^2/NDF:27.9/22

+ sign 0.005+/-0.029 χ^2/NDF: 51.1/51

All: 0.007+/-0.019 χ^2/NDF: 122.3/105

- sign 0.009+/-0.026 χ^2/NDF: 71.2/53



Right In: 120.733+/-0.023 χ^2/NDF: 3355707.7/27

Left Out: 250.247+/-0.045 χ^2/NDF:4353162.7/23

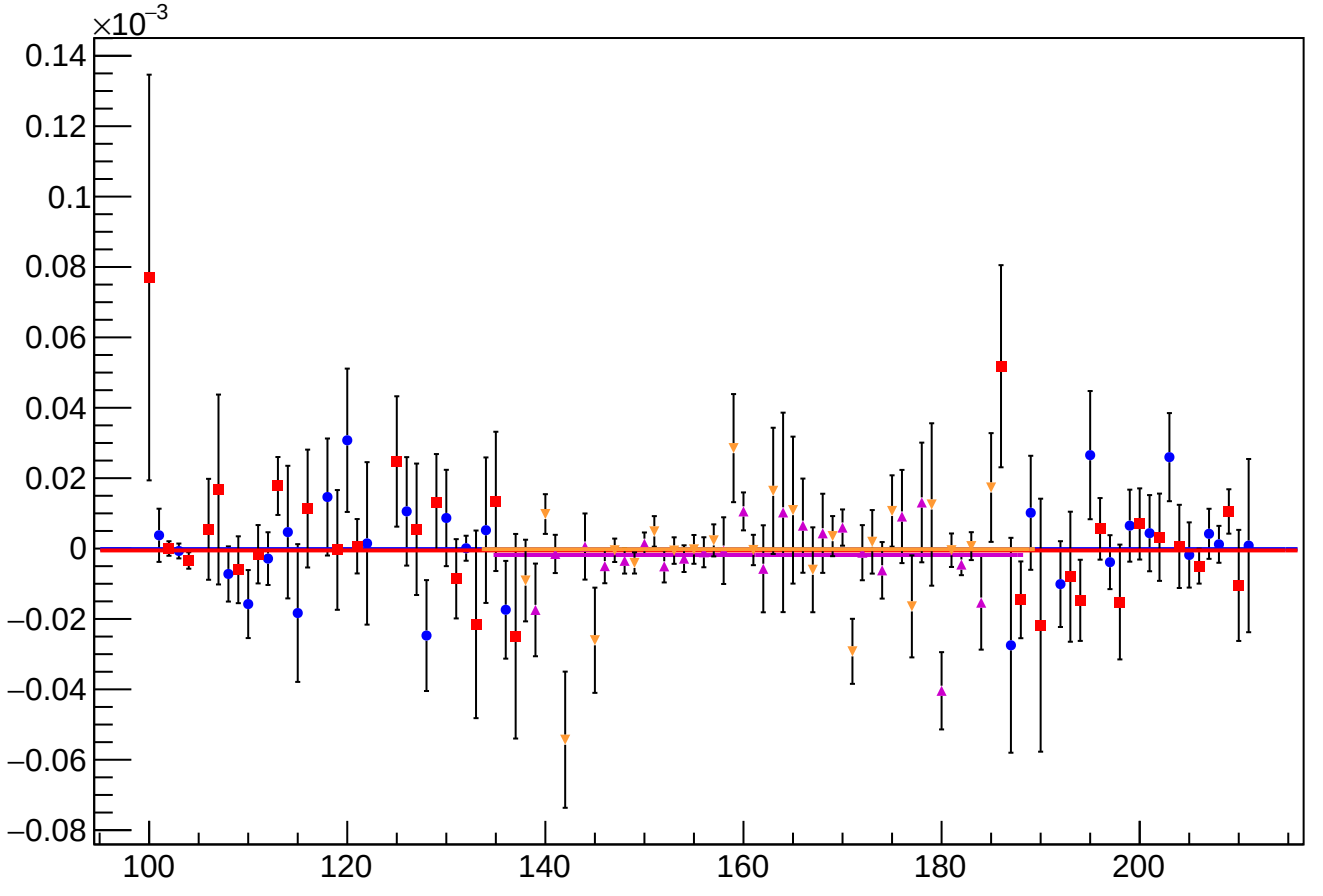
Right Out: 103.238+/-0.020 χ^2/NDF: 6049638.4/30

Left In: 246.630+/-0.044 χ^2/NDF:3773083.4/22

+ sign 148.162+/-0.021 χ^2/NDF: 14369503.6/51

All: 137.080+/-0.014 χ^2/NDF: 33546758.5/10

- sign 128.242+/-0.018 χ^2/NDF: 18652147.3/53



Right In: -0.000+/-0.000 χ^2/NDF: 22.5/27

Left Out: -0.000+/-0.000 χ^2/NDF:37.2/23

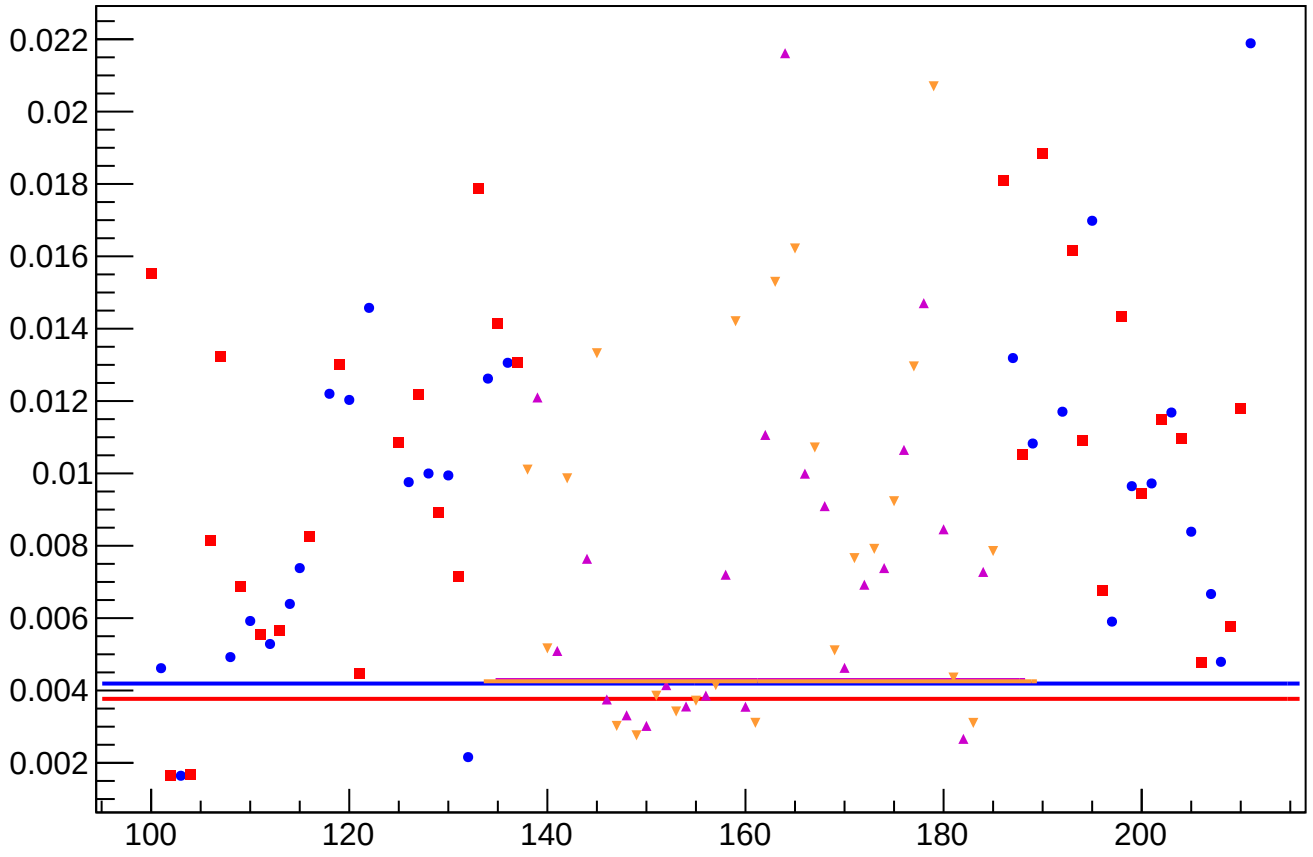
Right Out: -0.000+/-0.000 χ^2/NDF: 28.3/30

Left In: -0.000+/-0.000 χ^2/NDF:28.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 59.7/51

All: -0.000+/-0.000 χ^2/NDF: 117.5/105

- sign -0.000+/-0.000 χ^2/NDF: 57.1/53



Right In: 0.004+/-0.000 χ^2/NDF: 12849730.3/27

Left Out: 0.004+/-0.000 χ^2/NDF:8492565.6/23

Right Out: 0.004+/-0.000 χ^2/NDF: 15141180.6/30

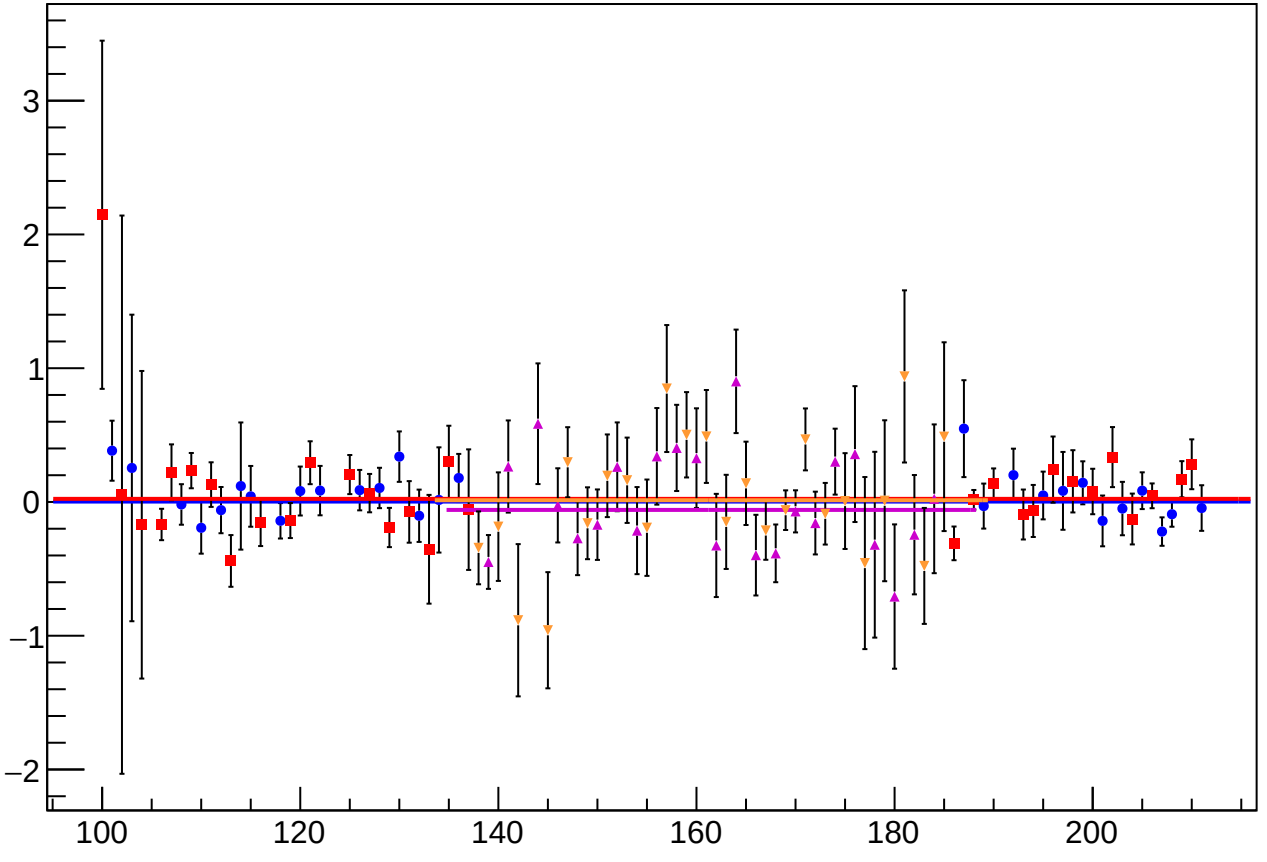
Left In: 0.004+/-0.000 χ^2/NDF:6598609.8/22

+ sign 0.004+/-0.000 χ^2/NDF: 21344698.2/51

All: 0.004+/-0.000 χ^2/NDF: 43312610.3/105

- sign 0.004+/-0.000 χ^2/NDF: 21922606.5/53

asym_us_avg_atlr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.003+/-0.033 χ^2/NDF: 21.7/27

Left Out: 0.013+/-0.063 χ^2/NDF:29.3/23

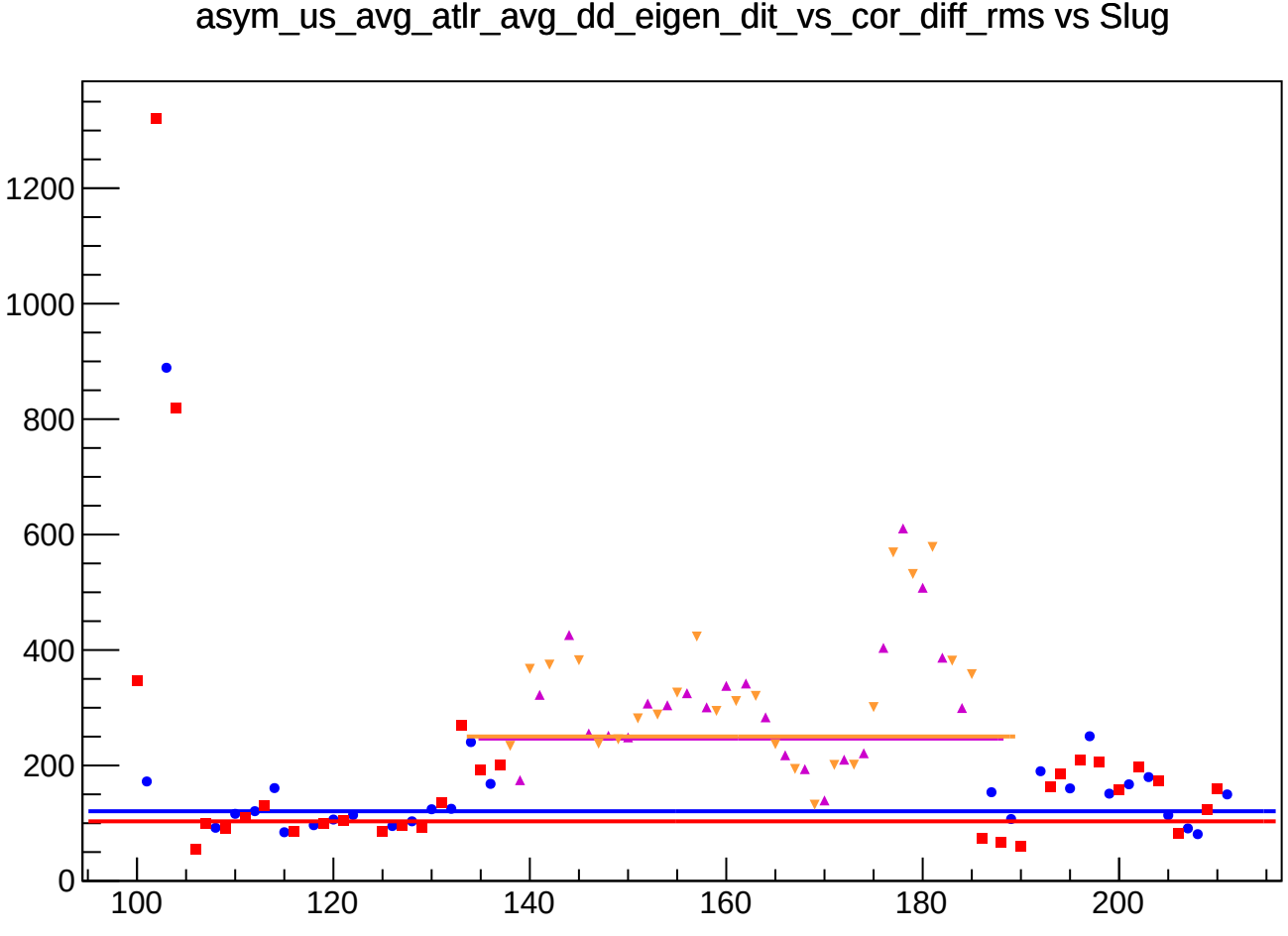
Right Out: 0.023+/-0.028 χ^2/NDF: 41.8/30

Left In: -0.059+/-0.062 χ^2/NDF:27.9/22

+ sign 0.005+/-0.029 χ^2/NDF: 51.1/51

All: 0.007+/-0.019 χ^2/NDF: 122.3/105

- sign 0.009+/-0.026 χ^2/NDF: 71.2/53



Right In: 120.732+/-0.023 χ^2/NDF: 3355809.2/27

Left Out: 250.248+/-0.045 χ^2/NDF:4353323.9/23

Right Out: 103.234+/-0.020 χ^2/NDF: 6050206.0/30

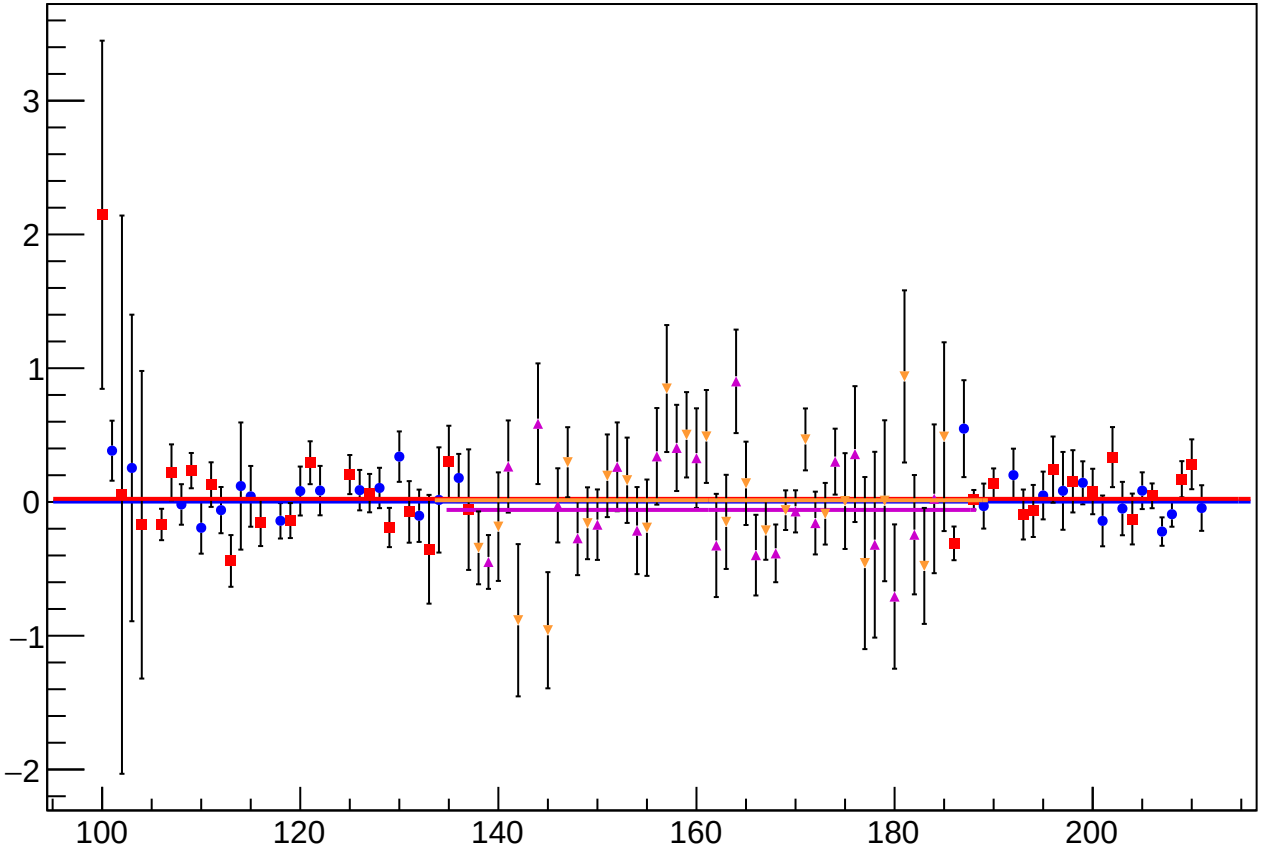
Left In: 246.632+/-0.044 χ^2/NDF:3773144.3/22

+ sign 148.161+/-0.021 χ^2/NDF: 14369887.2/51

All: 137.077+/-0.014 χ^2/NDF: 33548645.6/10

- sign 128.237+/-0.018 χ^2/NDF: 18653458.2/53

asym_us_avg_atlr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.003+/-0.033 χ^2/NDF: 21.7/27

Left Out: 0.013+/-0.063 χ^2/NDF:29.3/23

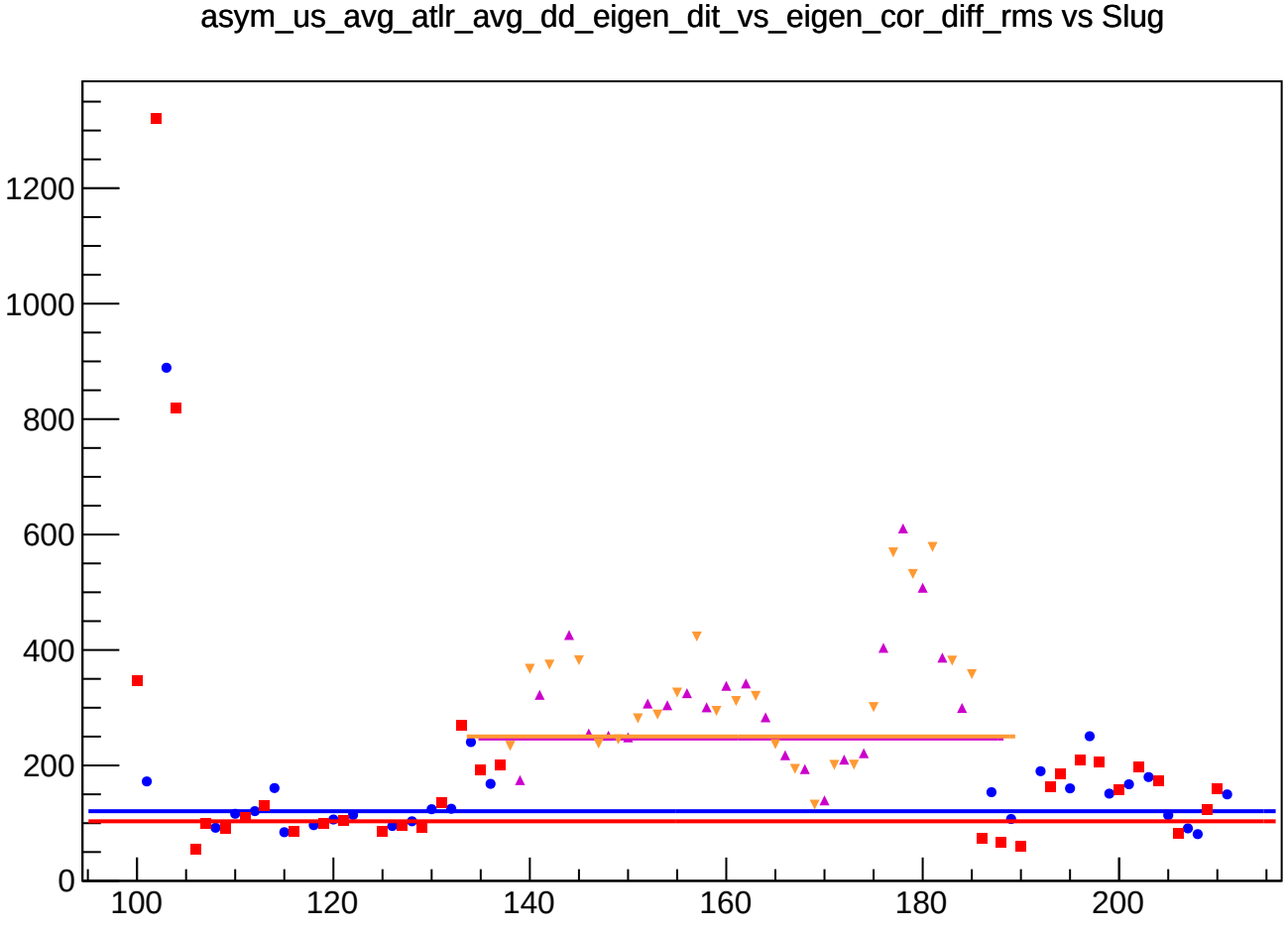
Right Out: 0.023+/-0.028 χ^2/NDF: 41.8/30

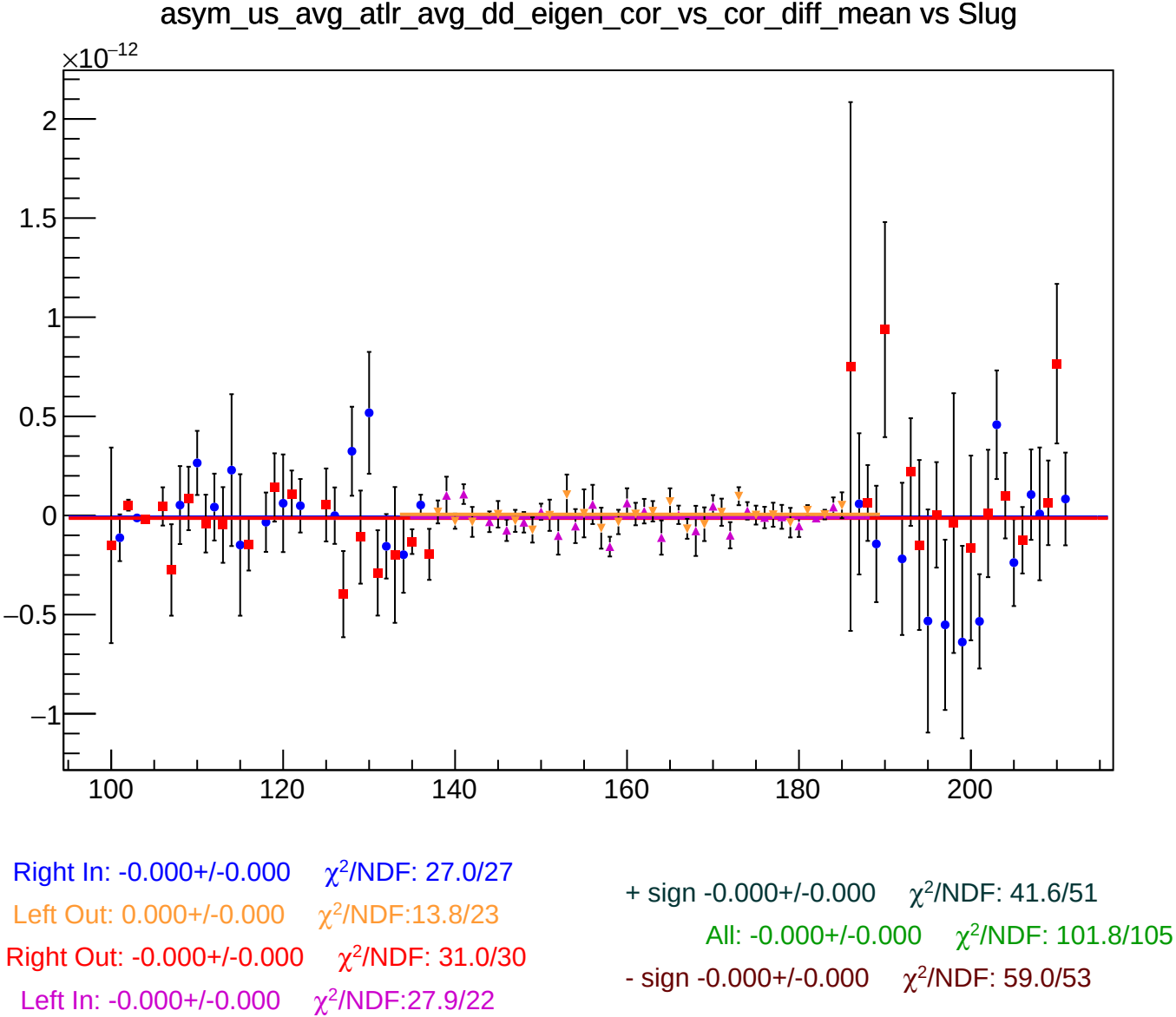
Left In: -0.059+/-0.062 χ^2/NDF:27.9/22

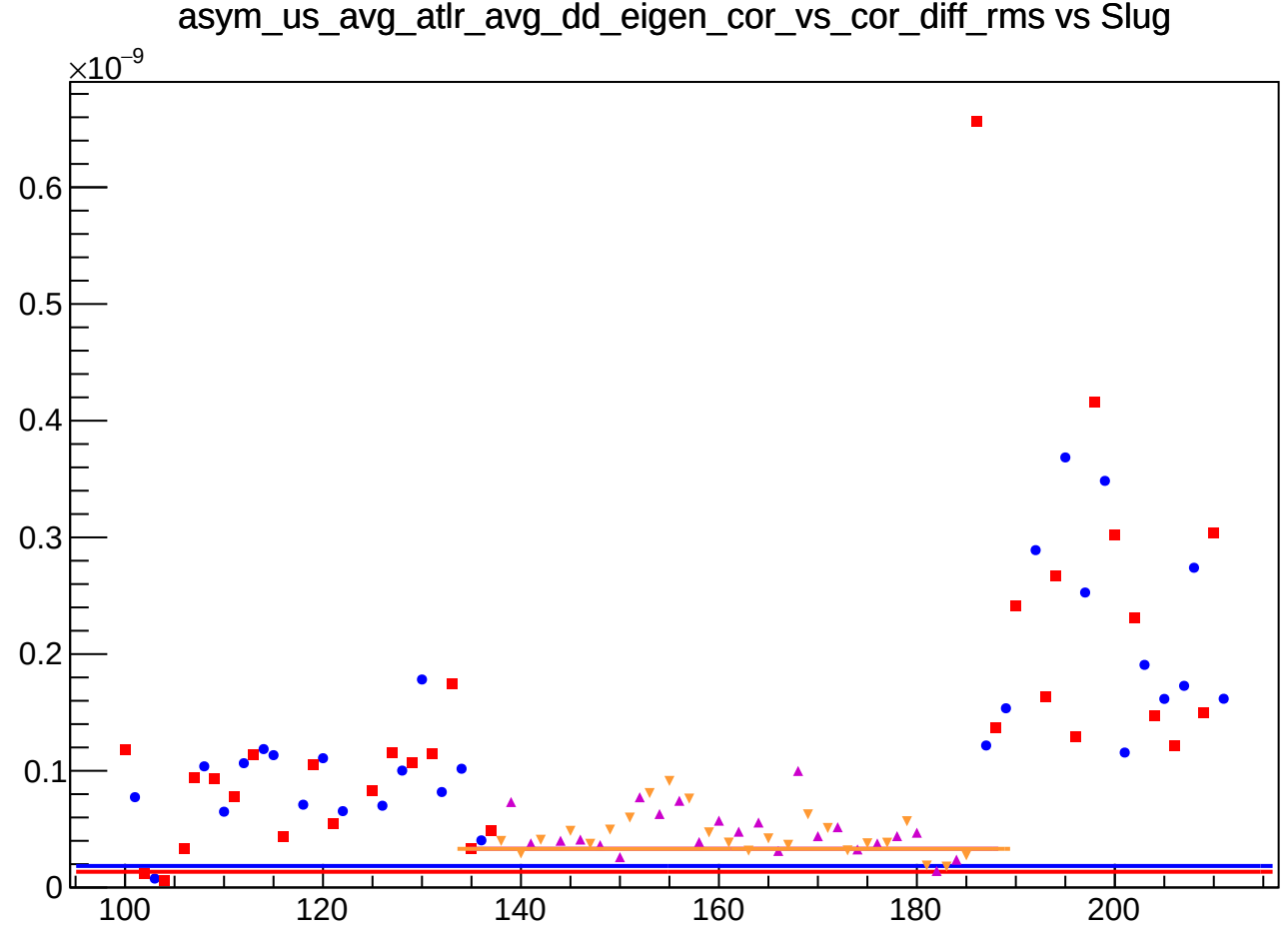
+ sign 0.005+/-0.029 χ^2/NDF: 51.1/51

All: 0.007+/-0.019 χ^2/NDF: 122.3/105

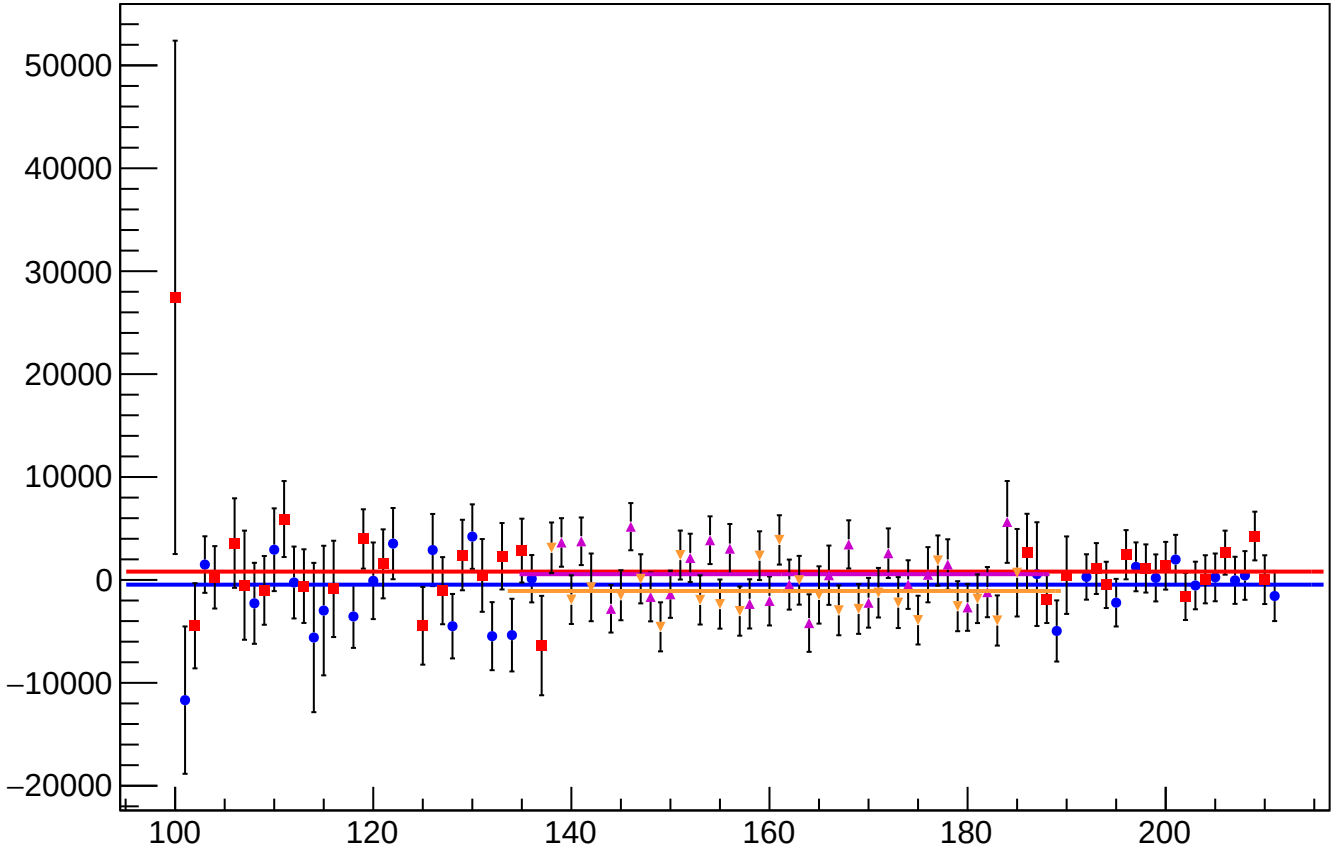
- sign 0.009+/-0.026 χ^2/NDF: 71.2/53


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
Right In: 120.732+/-0.023 χ²/NDF: 3355809.2/27
Left Out: 250.248+/-0.045 χ²/NDF:4353323.9/23
Right Out: 103.234+/-0.020 χ²/NDF: 6050206.0/30
Left In: 246.632+/-0.044 χ²/NDF:3773144.3/22
+ sign 148.161+/-0.021 χ²/NDF: 14369887.2/51
All: 137.077+/-0.014 χ²/NDF: 33548645.6/10
- sign 128.237+/-0.018 χ²/NDF: 18653458.2/53


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
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 27.0/27
Left Out: 0.000+/-0.000 χ²/NDF:13.8/23
Right Out: -0.000+/-0.000 χ²/NDF: 31.0/30
Left In: -0.000+/-0.000 χ²/NDF:27.9/22
+ sign -0.000+/-0.000 χ²/NDF: 41.6/51
All: -0.000+/-0.000 χ²/NDF: 101.8/105
- sign -0.000+/-0.000 χ²/NDF: 59.0/53


asym_us_avg_atlr_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.6
0.5
0.4
0.3
0.2
0.1
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 14743666.0/27
Left Out: 0.000+/-0.000 χ²/NDF:4025318.1/23
Right Out: 0.000+/-0.000 χ²/NDF: 15221108.8/30
Left In: 0.000+/-0.000 χ²/NDF:5018453.7/22
+ sign 0.000+/-0.000 χ²/NDF: 20419256.9/51
All: 0.000+/-0.000 χ²/NDF: 44767410.1/105
- sign 0.000+/-0.000 χ²/NDF: 24025700.9/53

reg_asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -460.080+/-549.489 χ^2/NDF: 21.1/27

Left Out: -1072.863+/-505.534 χ^2/NDF:21.6/23

Right Out: 809.002+/-534.009 χ^2/NDF: 19.0/30

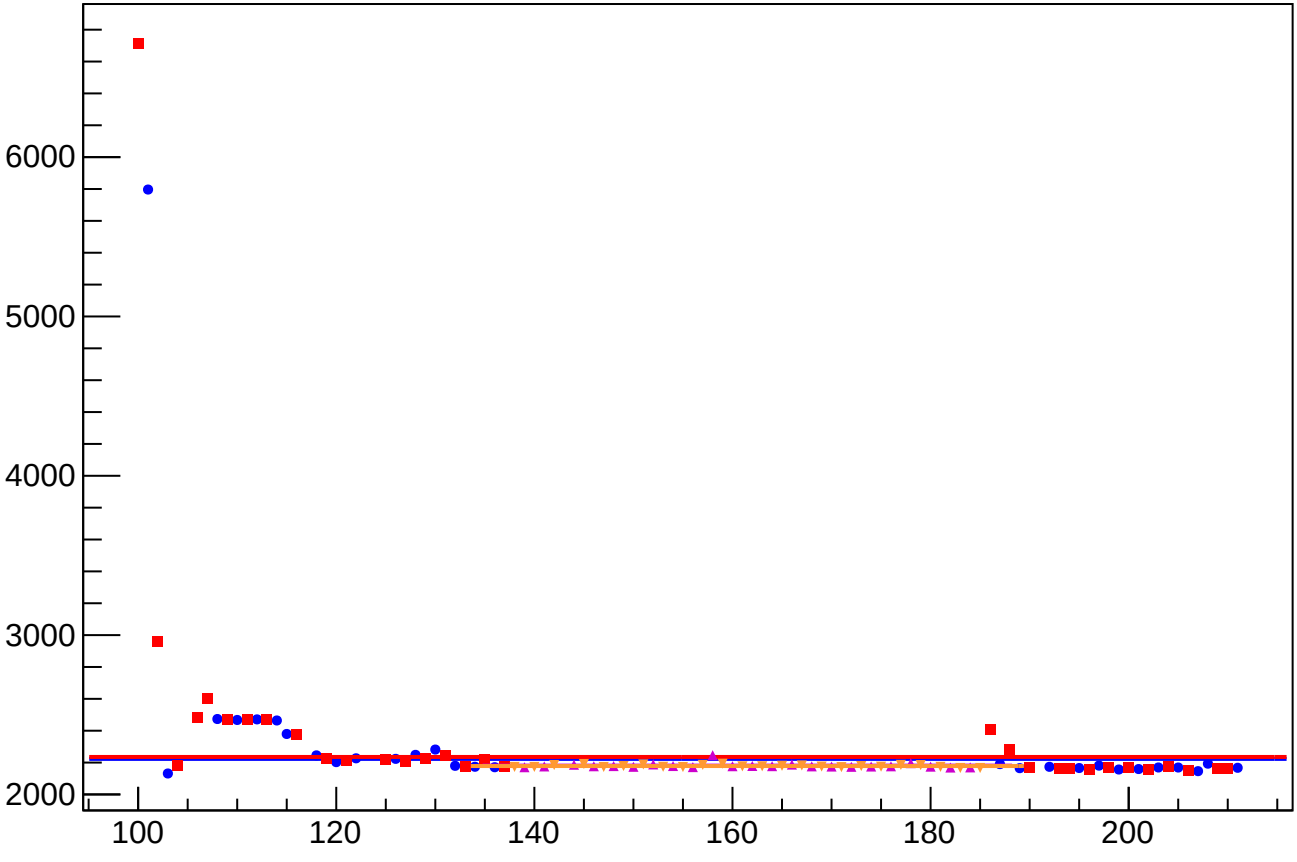
Left In: 557.052+/-509.208 χ^2/NDF:28.7/22

+ sign -791.957+/-372.037 χ^2/NDF: 43.4/51

All: -50.482+/-261.818 χ^2/NDF: 99.1/105

- sign 677.041+/-368.520 χ^2/NDF: 47.9/53

reg_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2223.104+/-0.389 χ^2/NDF: 545118.8/27

Left Out: 2178.244+/-0.357 χ^2/NDF:389.1/23

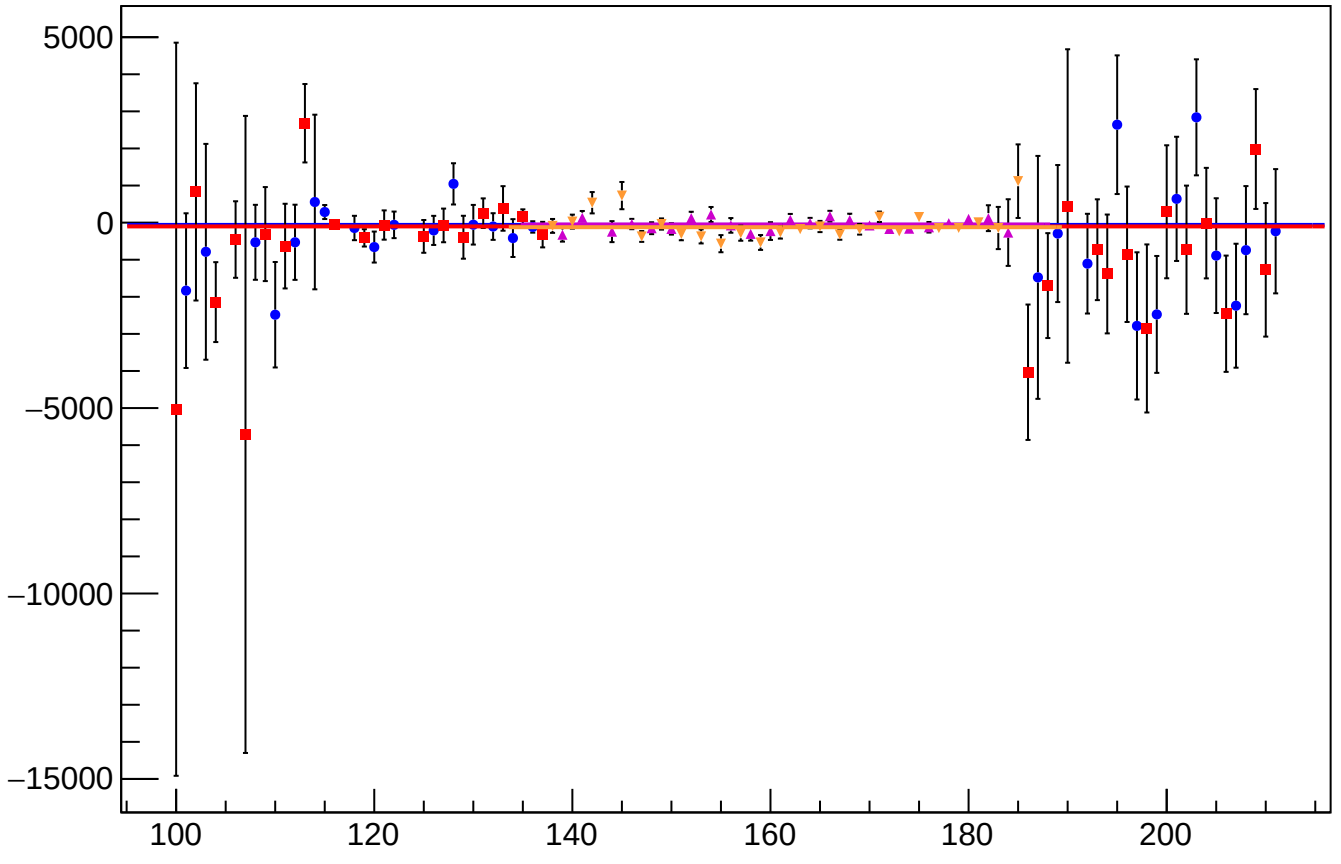
Right Out: 2235.215+/-0.378 χ^2/NDF: 197008.1/30

Left In: 2180.919+/-0.360 χ^2/NDF:1866.2/22

+ sign 2198.808+/-0.263 χ^2/NDF: 552727.2/51

All: 2202.830+/-0.185 χ^2/NDF: 762894.0/105

- sign 2206.777+/-0.261 χ^2/NDF: 209703.7/53



Right In: -61.541+/-89.406 χ^2/NDF: 27.3/27

Left Out: -123.007+/-31.408 χ^2/NDF:43.8/23

Right Out: -102.132+/-81.160 χ^2/NDF: 30.7/30

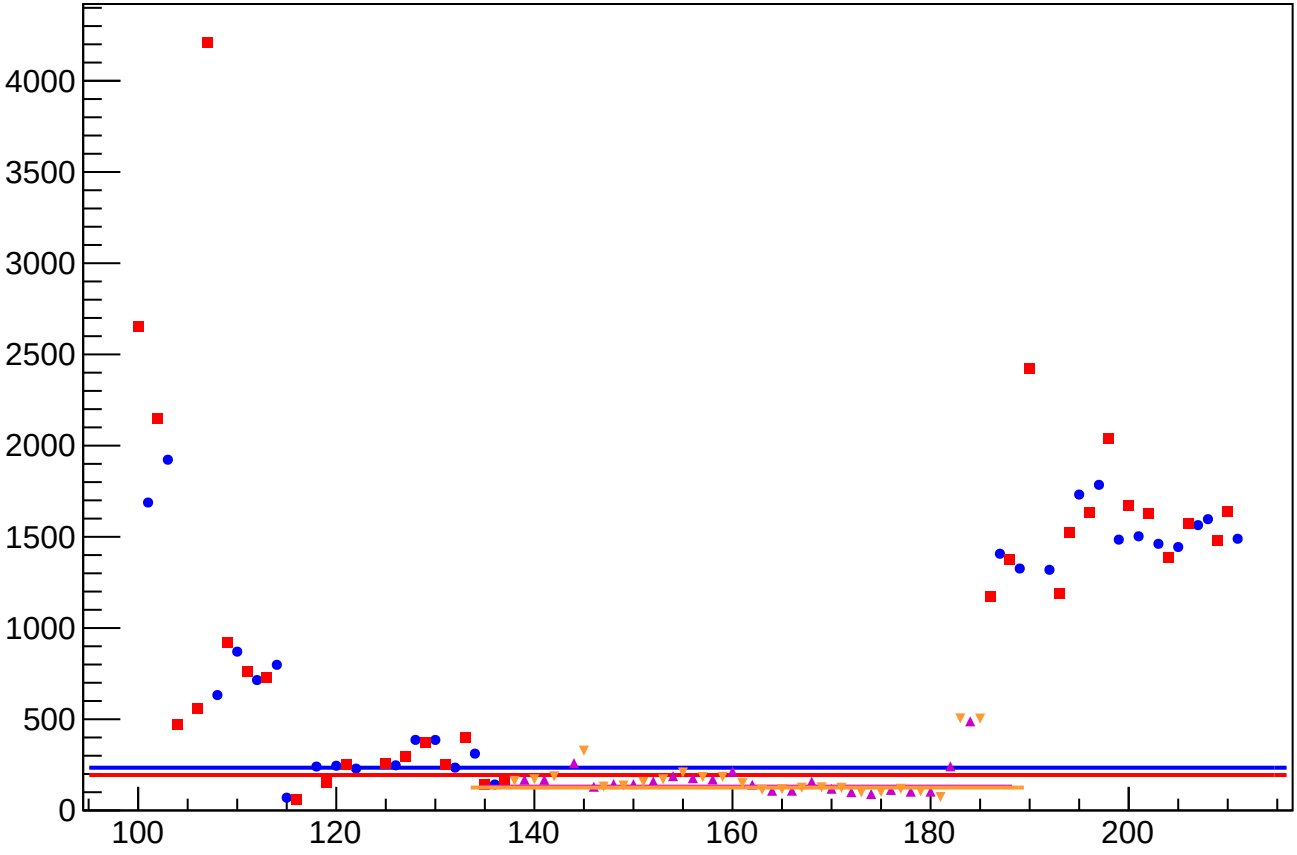
Left In: -50.317+/-32.545 χ^2/NDF:18.2/22

+ sign -116.255+/-29.633 χ^2/NDF: 71.5/51

All: -87.438+/-21.154 χ^2/NDF: 122.7/105

- sign -57.494+/-30.207 χ^2/NDF: 49.3/53

asym_us_dd_at1lr_dd_avg_reg_correction_rms vs Slug



Right In: 234.319+/-0.063 χ^2/NDF: 18768509.2/27

Left Out: 125.506+/-0.022 χ^2/NDF:3942746.1/23

Right Out: 194.253+/-0.057 χ^2/NDF: 22272813.3/30

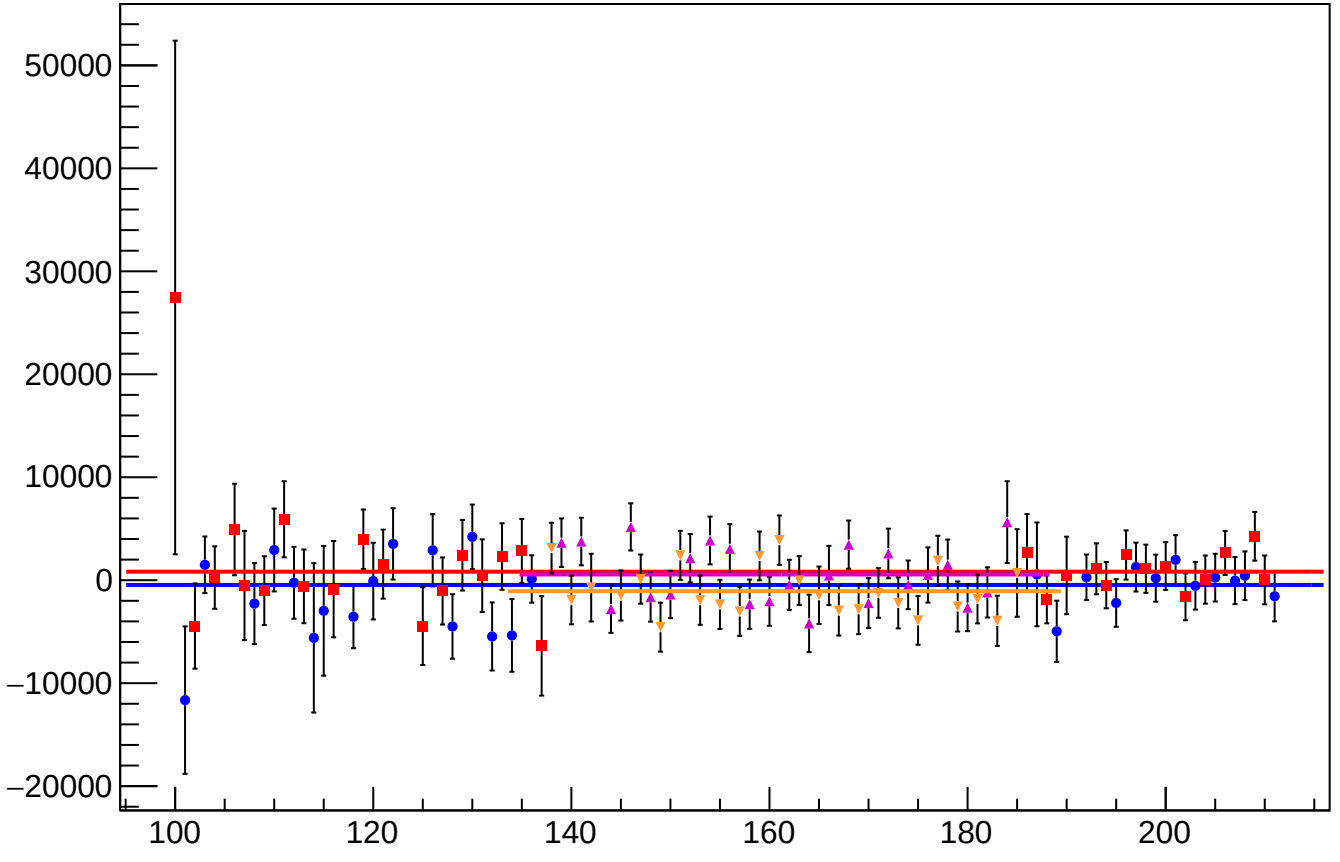
Left In: 130.436+/-0.023 χ^2/NDF:2679692.6/22

+ sign 137.459+/-0.021 χ^2/NDF: 25348263.5/51

All: 138.351+/-0.015 χ^2/NDF: 51369719.2/10

- sign 139.276+/-0.021 χ^2/NDF: 26017768.6/53

cor_asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -459.619+/-549.489 χ^2/NDF: 21.1/27

Left Out: -1072.795+/-505.534 χ^2/NDF:21.6/23

Right Out: 826.824+/-534.176 χ^2/NDF: 19.5/30

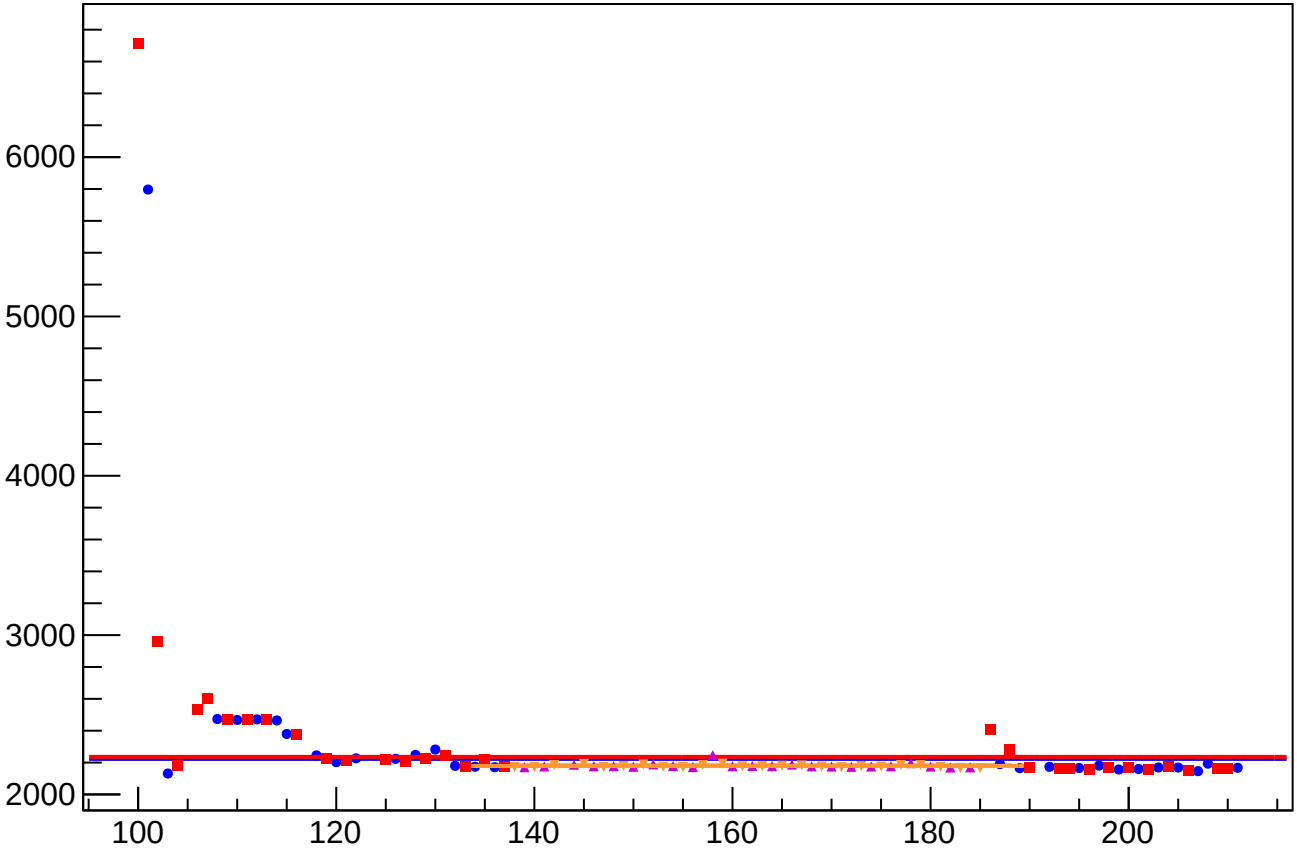
Left In: 557.079+/-509.208 χ^2/NDF:28.7/22

+ sign -791.709+/-372.037 χ^2/NDF: 43.4/51

All: -46.200+/-261.837 χ^2/NDF: 99.6/105

- sign 685.500+/-368.575 χ^2/NDF: 48.3/53

cor_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2223.104+/-0.389 χ^2/NDF: 545119.1/27

Left Out: 2178.244+/-0.357 χ^2/NDF:389.1/23

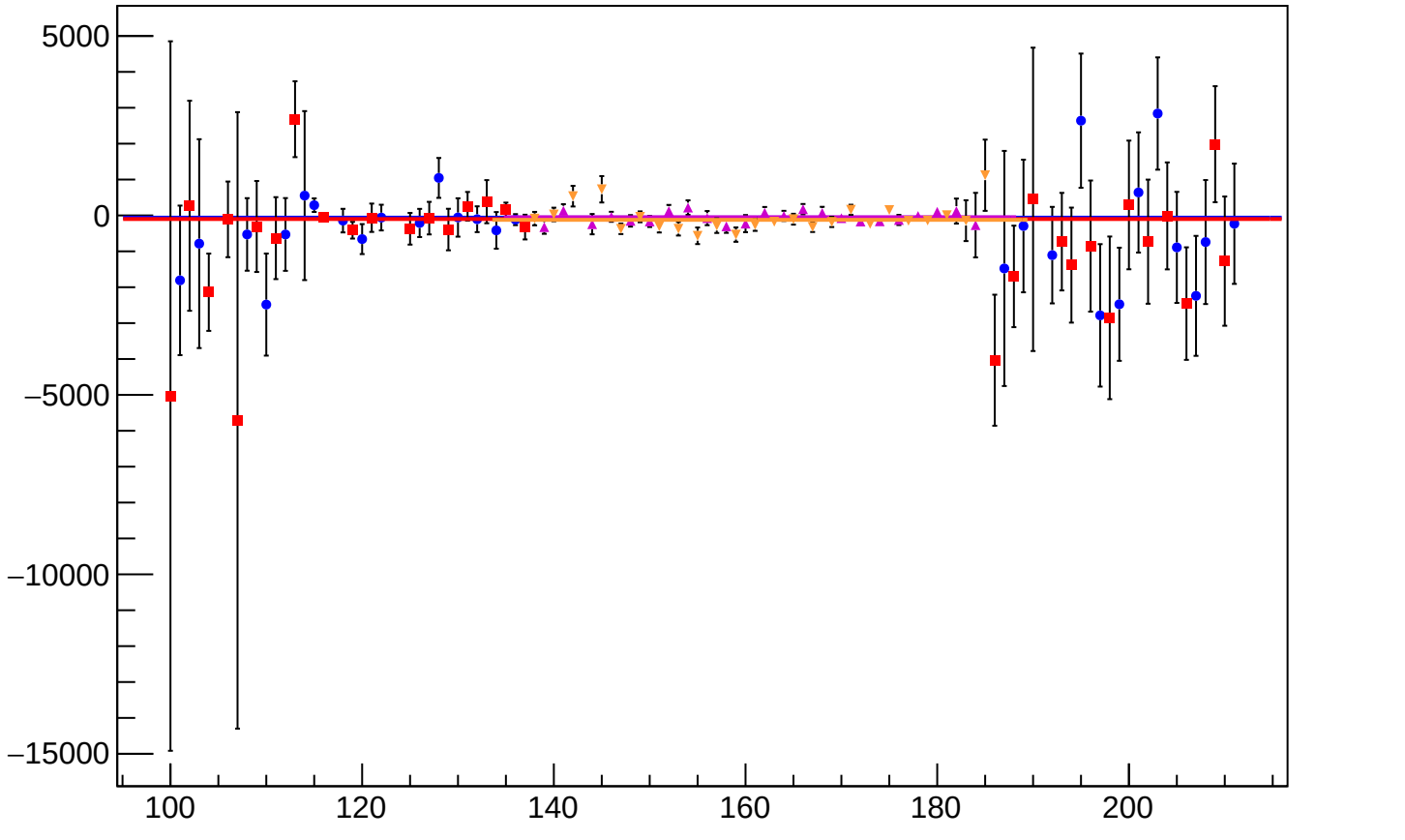
Right Out: 2235.792+/-0.378 χ^2/NDF: 199548.8/30

Left In: 2180.919+/-0.360 χ^2/NDF:1866.2/22

+ sign 2198.808+/-0.263 χ^2/NDF: 552727.6/51

All: 2202.964+/-0.185 χ^2/NDF: 765694.3/105

- sign 2207.043+/-0.261 χ^2/NDF: 212472.3/53



Right In: -61.574+/-89.412 χ^2/NDF: 27.3/27

Left Out: -122.928+/-31.408 χ^2/NDF:43.8/23

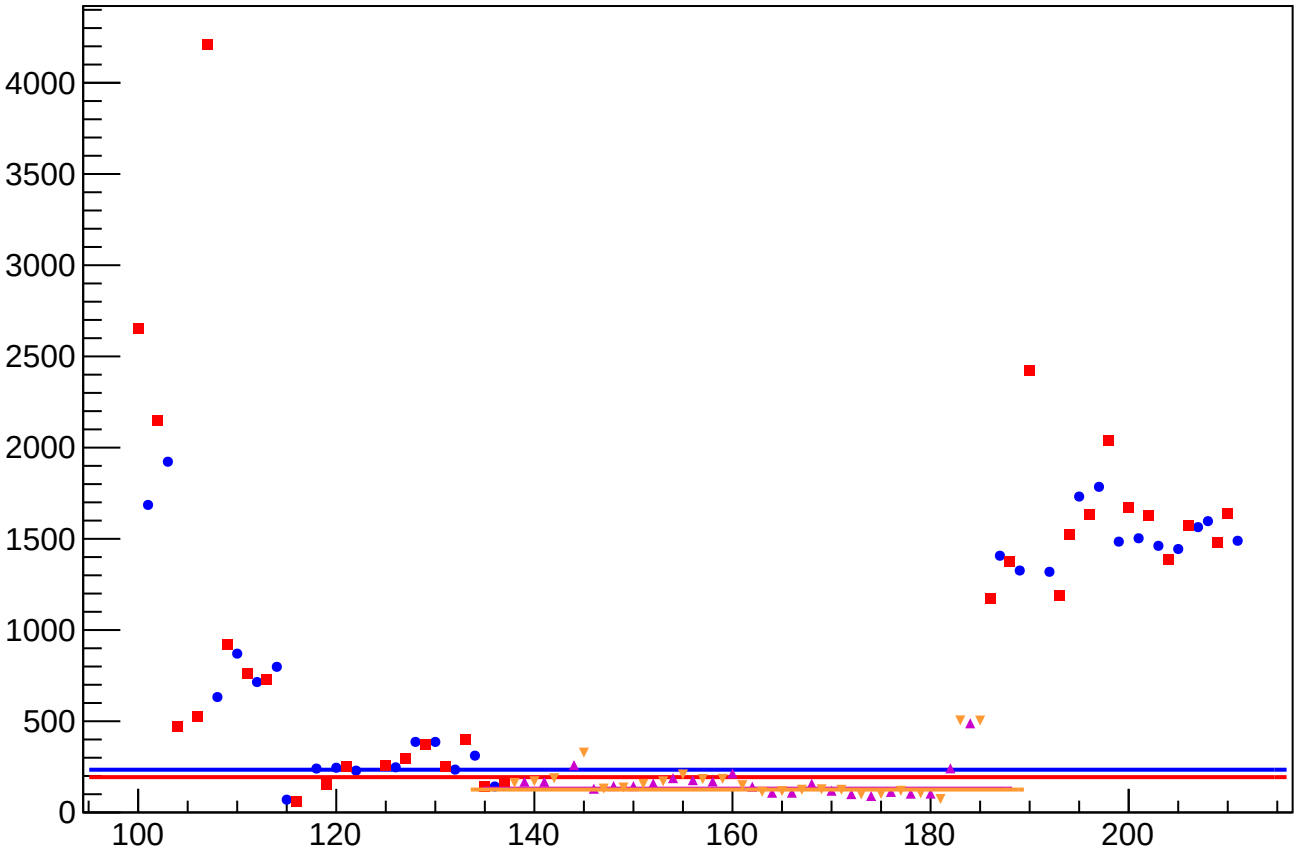
Right Out: -100.151+/-81.101 χ^2/NDF: 30.5/30

Left In: -50.209+/-32.548 χ^2/NDF:18.3/22

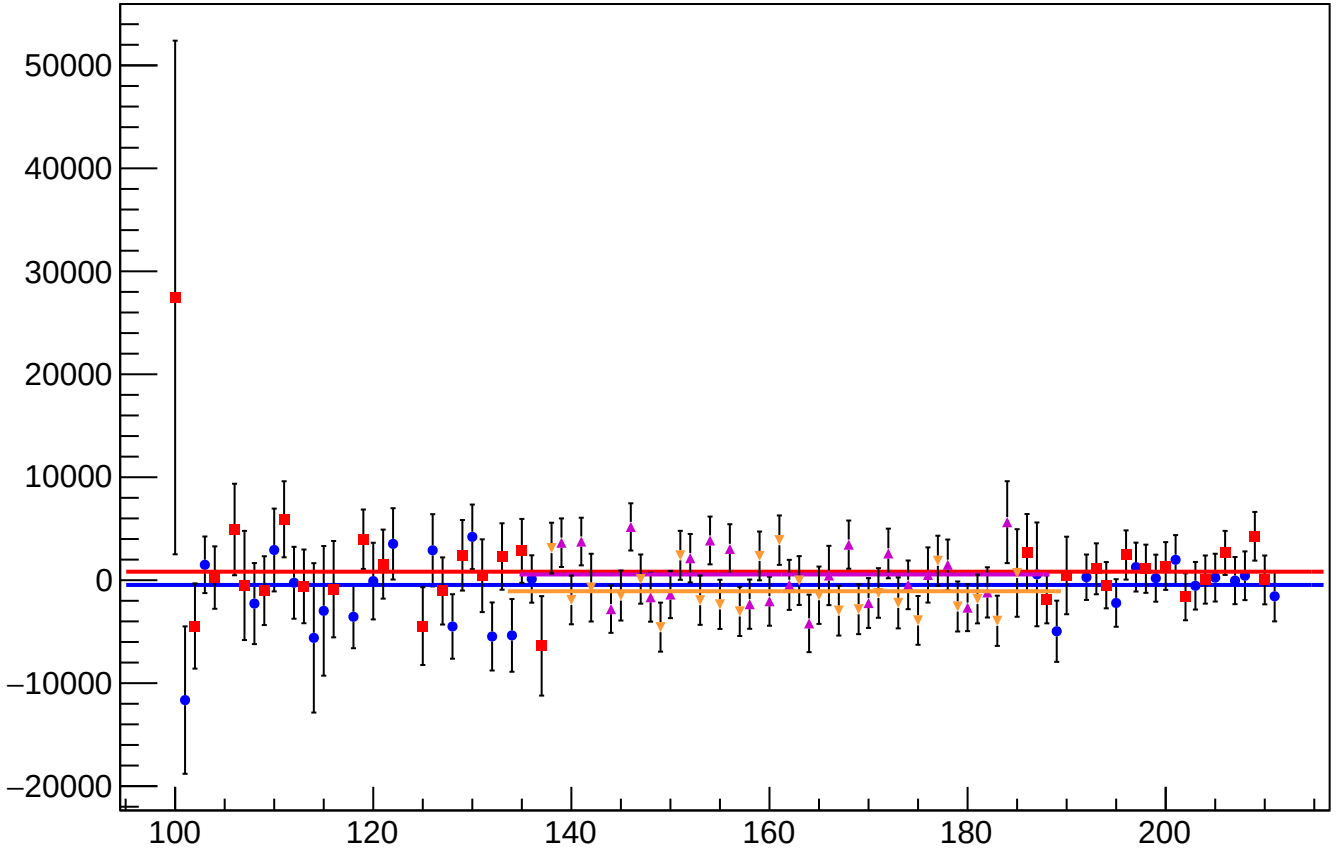
+ sign -116.189+/-29.633 χ^2/NDF: 71.5/51

All: -87.229+/-21.153 χ^2/NDF: 122.5/105

- sign -57.137+/-30.206 χ^2/NDF: 49.1/53


asym_us_dd_at1lr_dd_avg_cor_correction_rms vs Slug
4000
3500
3000
2500
2000
1500
1000
500
0
100
120
140
160
180
200
Right In: 234.347+/-0.063 χ²/NDF: 18766849.3/27
Left Out: 125.503+/-0.022 χ²/NDF:3943570.9/23
Right Out: 193.656+/-0.057 χ²/NDF: 22240795.8/30
Left In: 130.451+/-0.023 χ²/NDF:2679365.4/22
+ sign 137.458+/-0.021 χ²/NDF: 25348715.5/51
All: 138.321+/-0.015 χ²/NDF: 51318574.6/10
- sign 139.219+/-0.021 χ²/NDF: 25966395.6/53

eigen_cor_asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -459.619+/-549.489 χ^2/NDF: 21.1/27

Left Out: -1072.795+/-505.534 χ^2/NDF:21.6/23

Right Out: 826.824+/-534.176 χ^2/NDF: 19.5/30

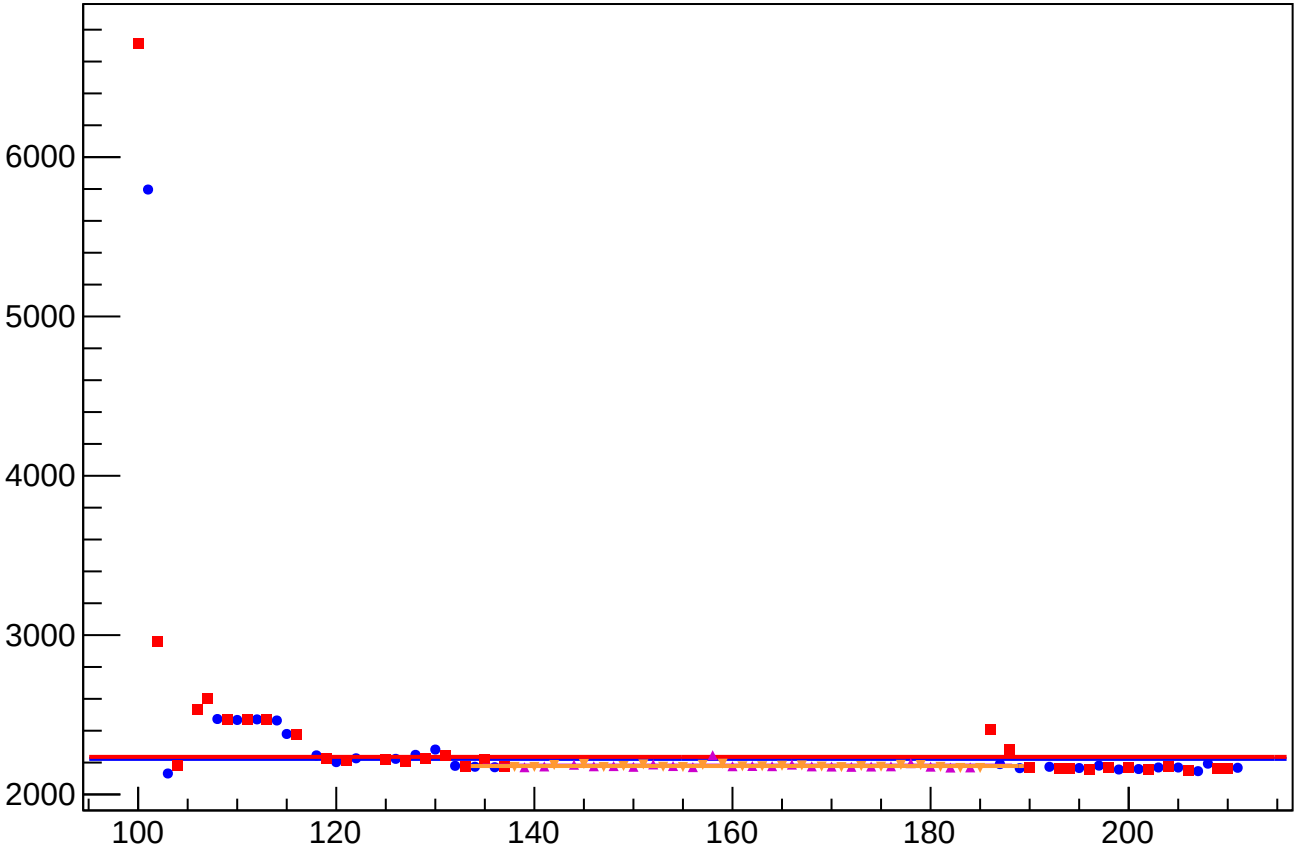
Left In: 557.079+/-509.208 χ^2/NDF:28.7/22

+ sign -791.709+/-372.037 χ^2/NDF: 43.4/51

All: -46.200+/-261.837 χ^2/NDF: 99.6/105

- sign 685.500+/-368.575 χ^2/NDF: 48.3/53

eigen_cor_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2223.104+/-0.389 χ^2/NDF: 545119.1/27

Left Out: 2178.244+/-0.357 χ^2/NDF:389.1/23

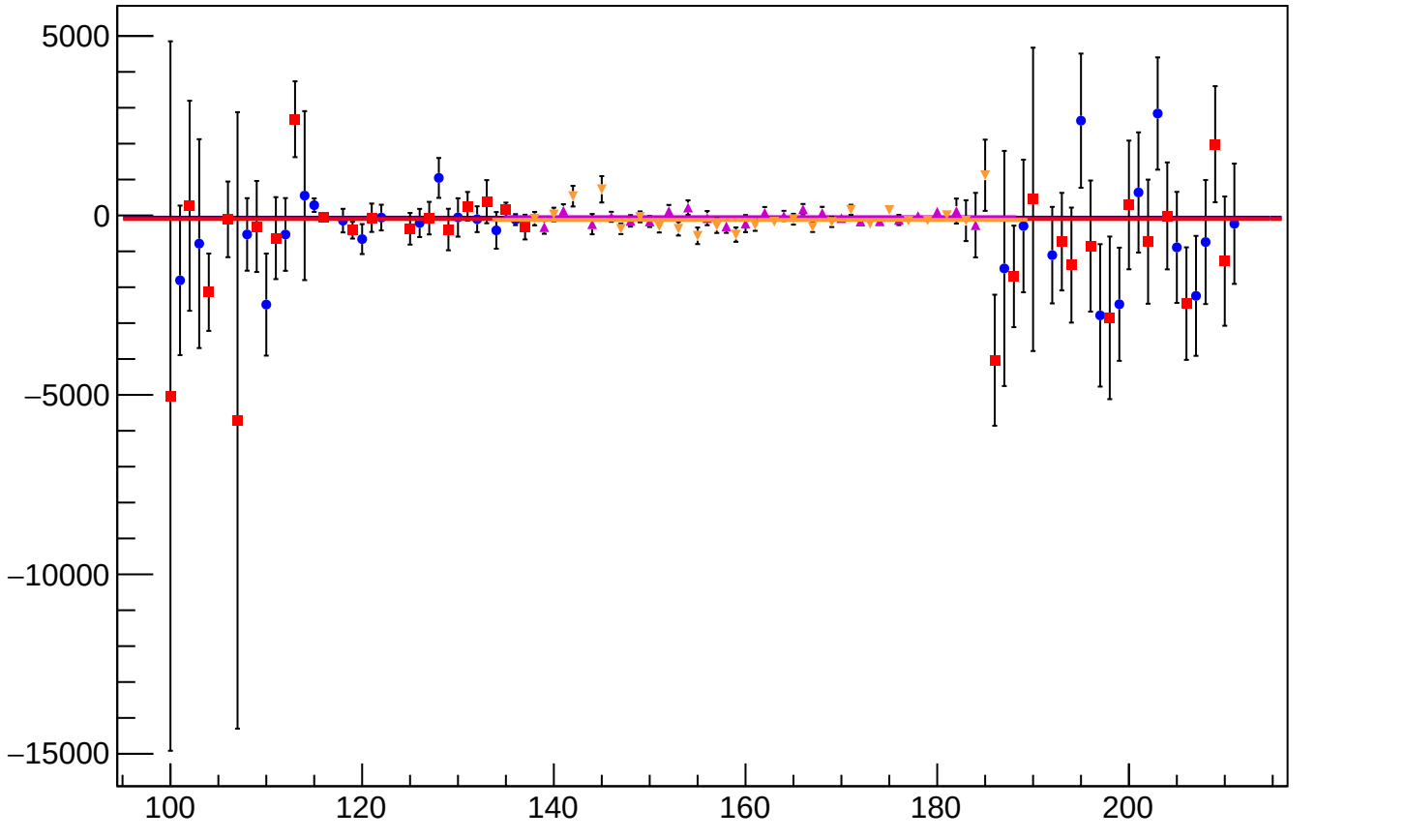
Right Out: 2235.792+/-0.378 χ^2/NDF: 199548.8/30

Left In: 2180.919+/-0.360 χ^2/NDF:1866.2/22

+ sign 2198.808+/-0.263 χ^2/NDF: 552727.6/51

All: 2202.964+/-0.185 χ^2/NDF: 765694.3/105

- sign 2207.043+/-0.261 χ^2/NDF: 212472.3/53



Right In: -61.574+/-89.412 χ^2/NDF: 27.3/27

Left Out: -122.928+/-31.408 χ^2/NDF:43.8/23

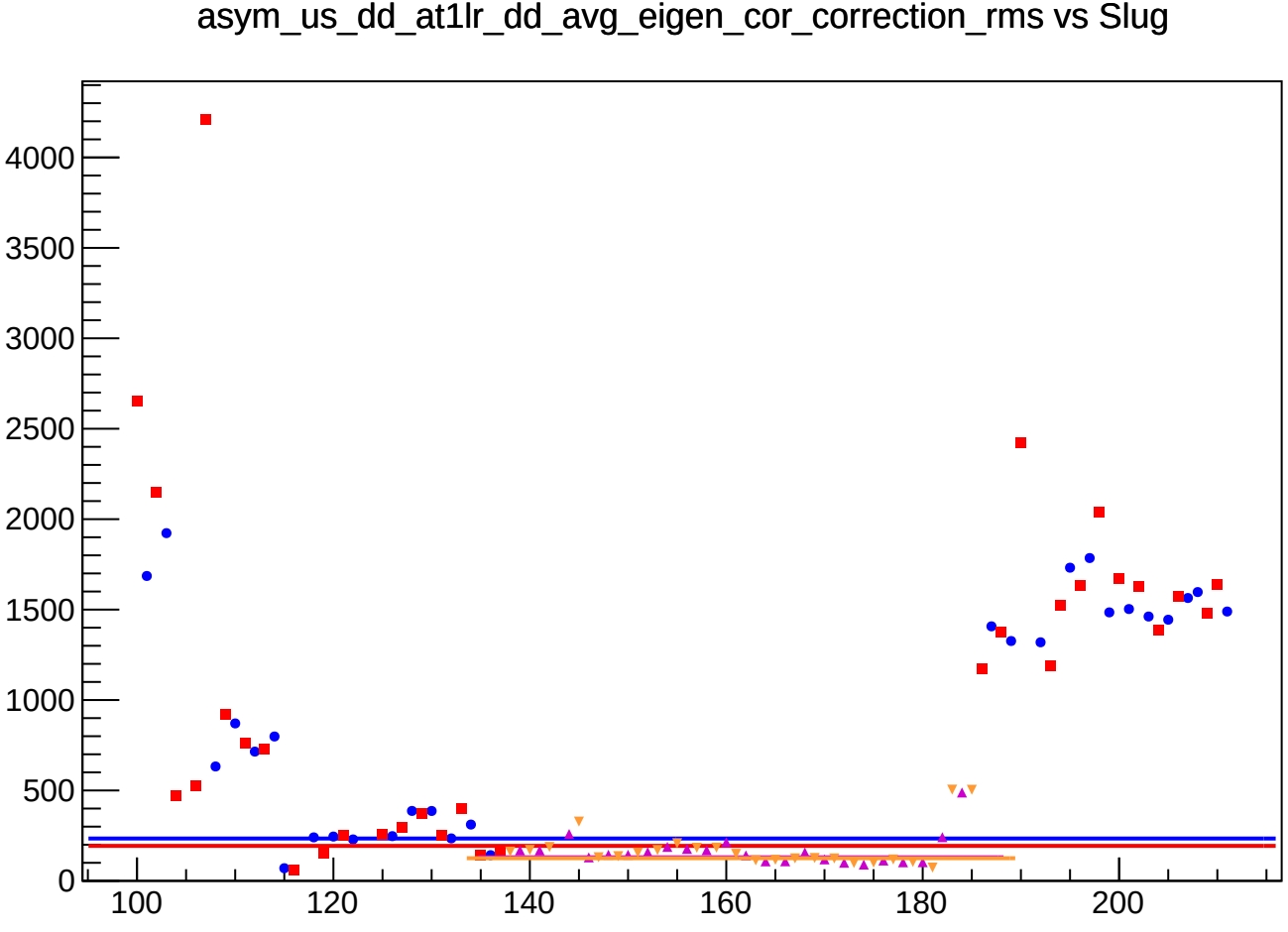
Right Out: -100.151+/-81.101 χ^2/NDF: 30.5/30

Left In: -50.209+/-32.548 χ^2/NDF:18.3/22

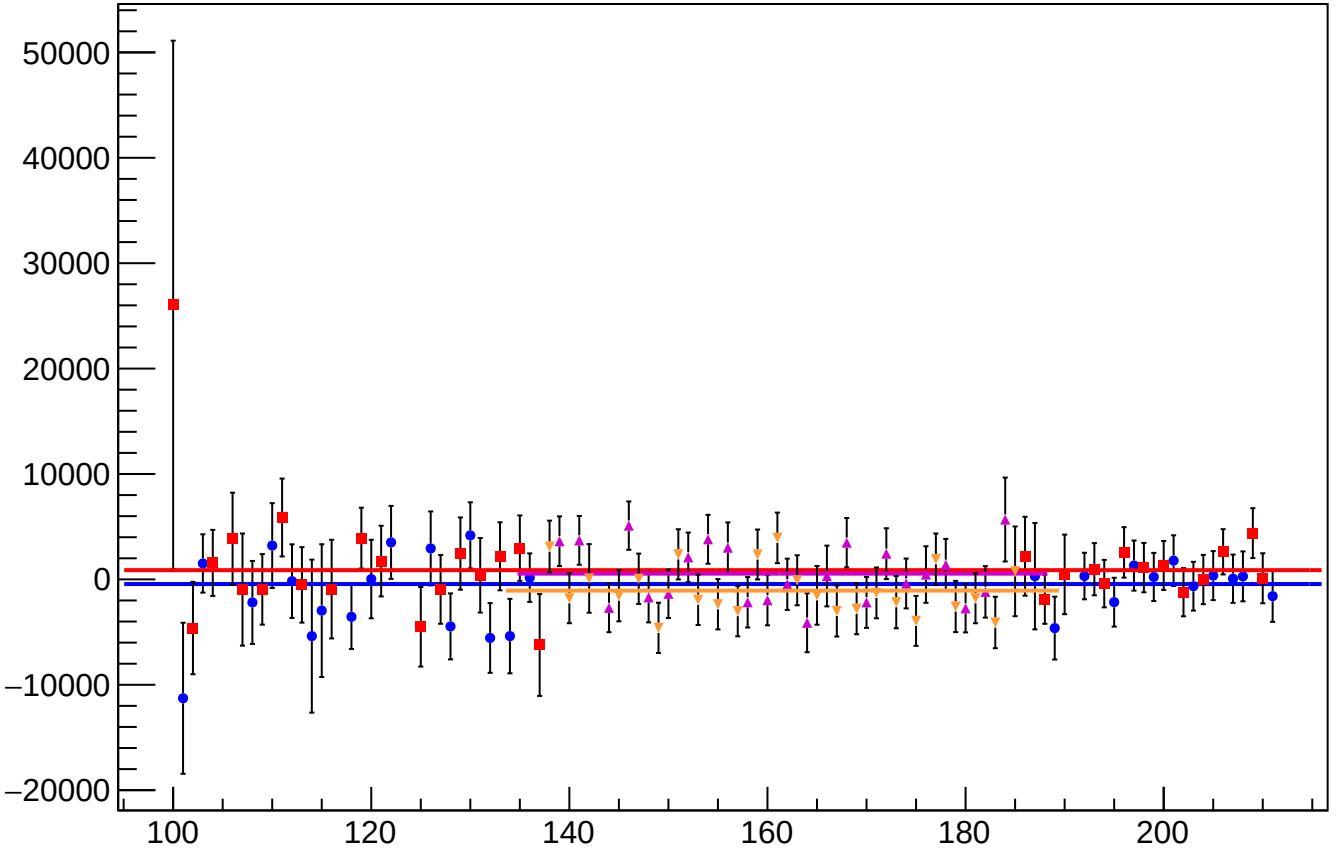
+ sign -116.189+/-29.633 χ^2/NDF: 71.5/51

All: -87.229+/-21.153 χ^2/NDF: 122.5/105

- sign -57.137+/-30.206 χ^2/NDF: 49.1/53


asym_us_dd_at1lr_dd_avg_eigen_cor_correction_rms vs Slug
4000
3500
3000
2500
2000
1500
1000
500
0
100
120
140
160
180
200
Right In: 234.347+/-0.063 χ²/NDF: 18766849.3/27
Left Out: 125.503+/-0.022 χ²/NDF:3943570.9/23
Right Out: 193.656+/-0.057 χ²/NDF: 22240795.8/30
Left In: 130.451+/-0.023 χ²/NDF:2679365.4/22
+ sign 137.458+/-0.021 χ²/NDF: 25348715.5/51
All: 138.321+/-0.015 χ²/NDF: 51318574.6/10
- sign 139.219+/-0.021 χ²/NDF: 25966395.6/53

dit_asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -442.317+/-550.109 χ^2/NDF: 20.6/27

Left Out: -1062.372+/-505.627 χ^2/NDF:21.9/23

Right Out: 876.647+/-535.633 χ^2/NDF: 18.5/30

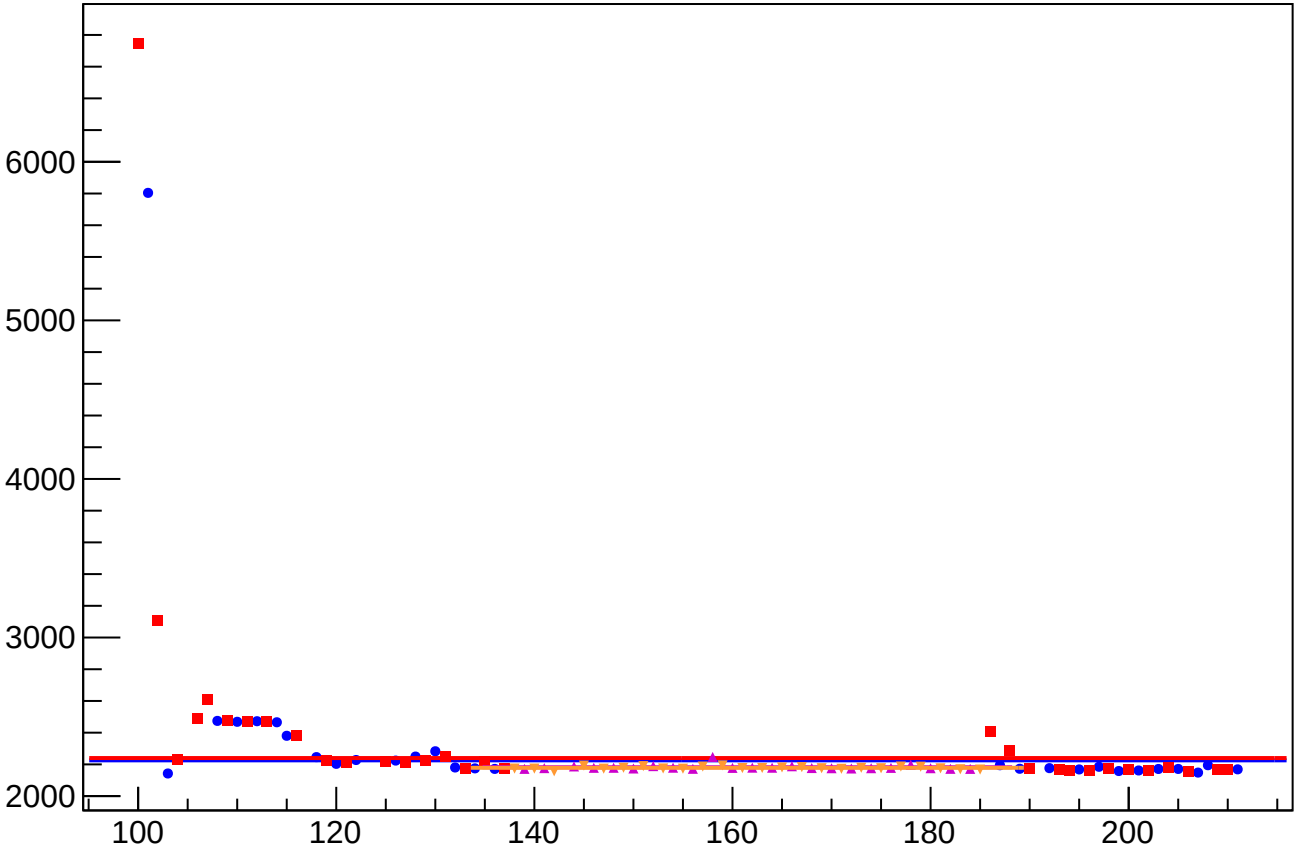
Left In: 544.260+/-509.433 χ^2/NDF:27.9/22

+ sign -778.424+/-372.266 χ^2/NDF: 43.2/51

All: -31.903+/-262.119 χ^2/NDF: 97.7/105

- sign 702.126+/-369.138 χ^2/NDF: 46.6/53

dit_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2225.517+/-0.389 χ^2/NDF: 544446.1/27

Left Out: 2178.503+/-0.358 χ^2/NDF:456.1/23

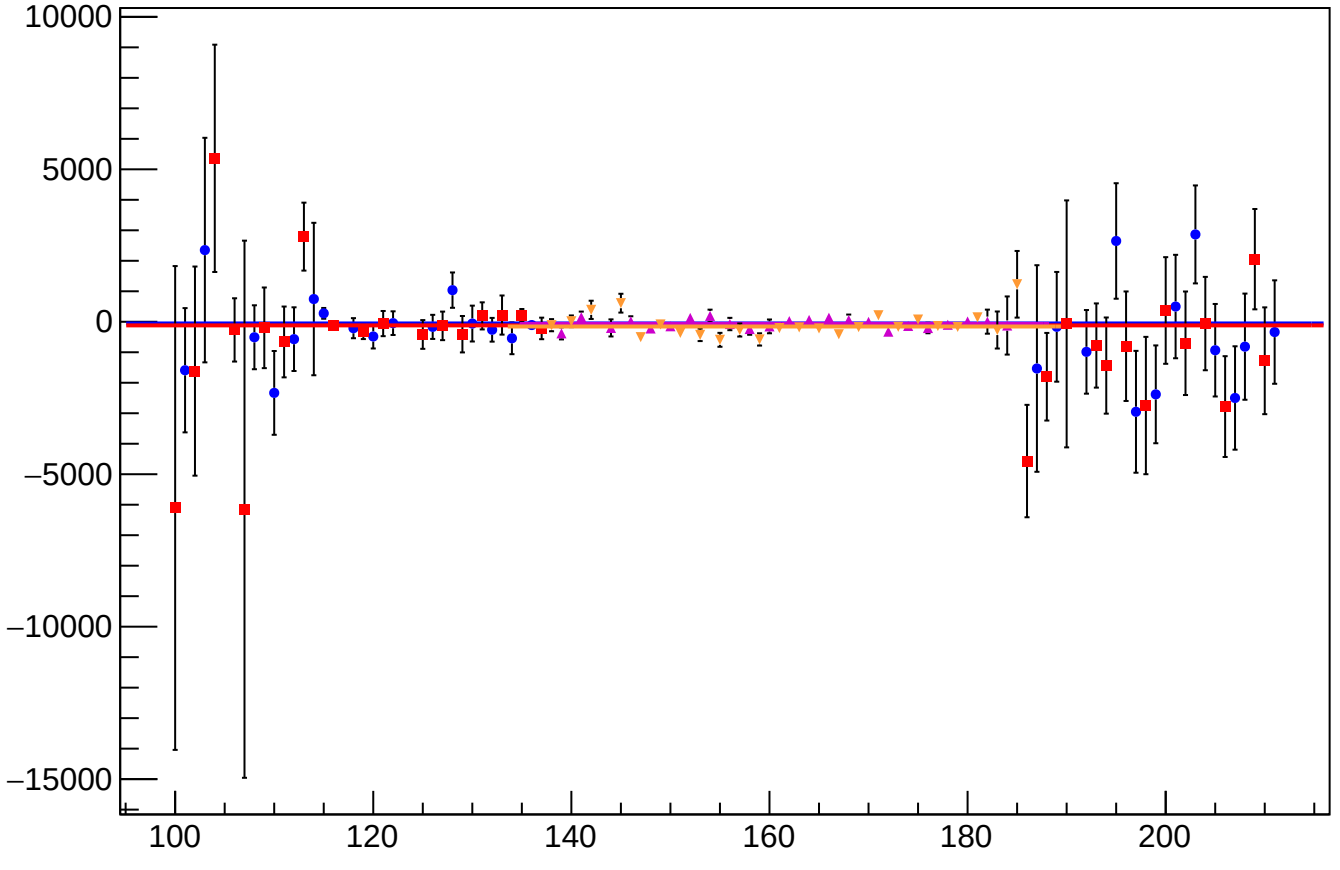
Right Out: 2239.932+/-0.379 χ^2/NDF: 215180.6/30

Left In: 2181.882+/-0.360 χ^2/NDF:1838.2/22

+ sign 2200.033+/-0.263 χ^2/NDF: 552820.3/51

All: 2204.782+/-0.185 χ^2/NDF: 782818.7/105

- sign 2209.453+/-0.261 χ^2/NDF: 229352.6/53



Right In: -55.390+/-90.855 χ^2/NDF: 27.0/27

Left Out: -154.725+/-34.061 χ^2/NDF:47.3/23

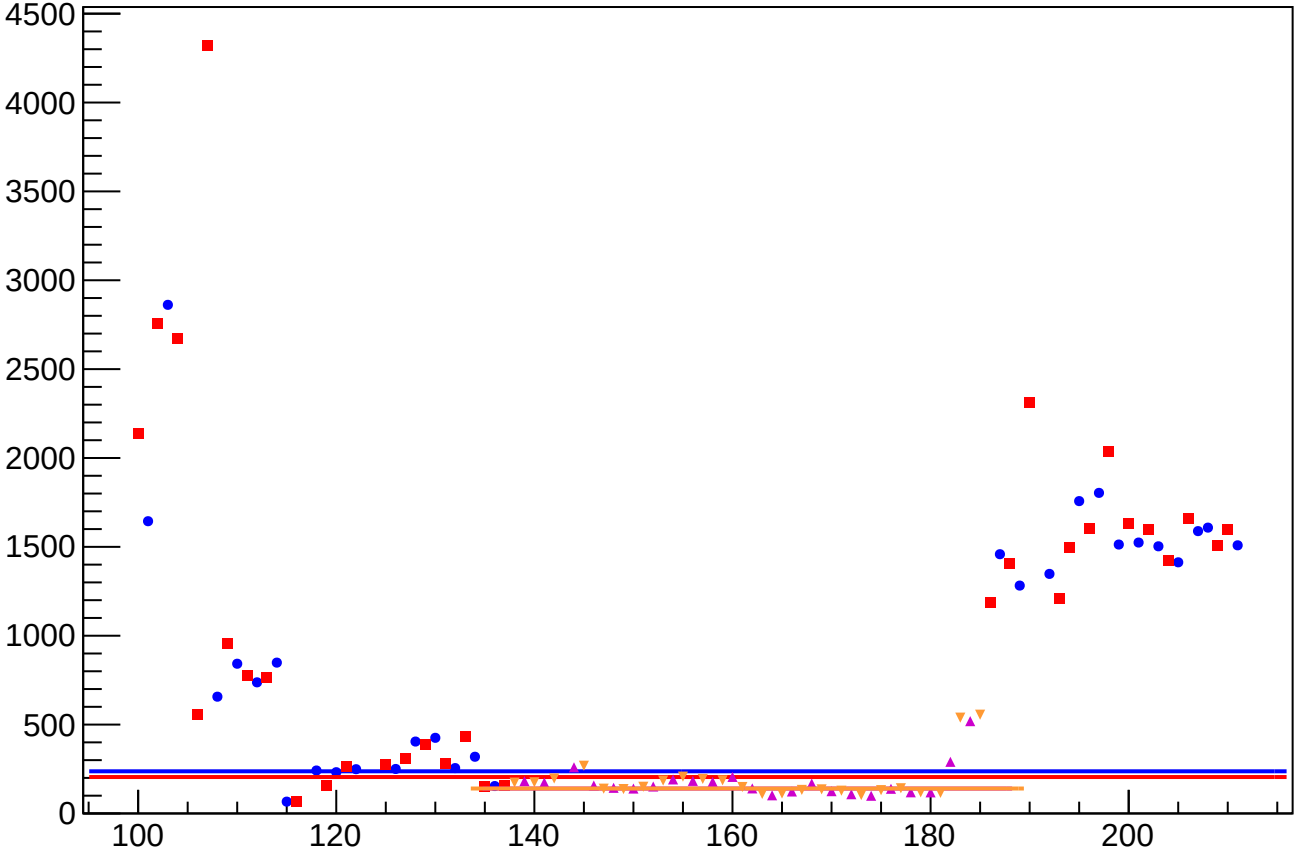
Right Out: -118.236+/-84.707 χ^2/NDF: 29.7/30

Left In: -70.142+/-34.204 χ^2/NDF:18.9/22

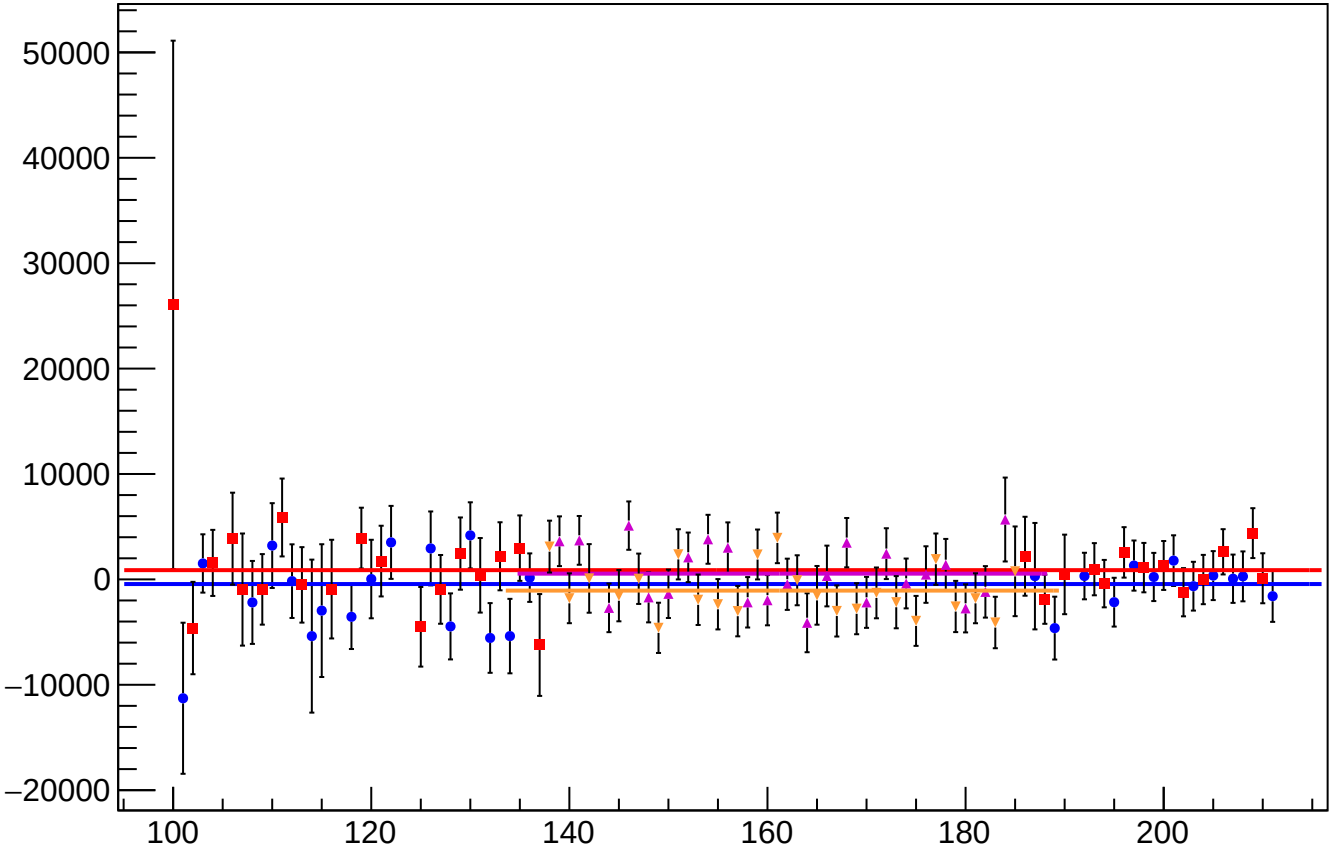
+ sign -142.485+/-31.893 χ^2/NDF: 75.4/51

All: -109.502+/-22.489 χ^2/NDF: 126.4/105

- sign -76.884+/-31.716 χ^2/NDF: 48.9/53


asym_us_dd_at1lr_dd_avg_dit_correction_rms vs Slug
4500
4000
3500
3000
2500
2000
1500
1000
500
0
100
120
140
160
180
200
Right In: 237.183+/-0.064 χ²/NDF: 19327148.0/27
Left Out: 140.319+/-0.024 χ²/NDF:2760284.0/23
Right Out: 204.921+/-0.060 χ²/NDF: 23013776.0/30
Left In: 139.979+/-0.024 χ²/NDF:2412455.4/22
+ sign 152.255+/-0.023 χ²/NDF: 24080624.4/51
All: 150.660+/-0.016 χ²/NDF: 50527554.5/10
- sign 149.083+/-0.022 χ²/NDF: 26436985.2/53

eigen_dit_asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -442.319+/-550.109 χ^2/NDF: 20.6/27

Left Out: -1062.373+/-505.627 χ^2/NDF:21.9/23

Right Out: 876.646+/-535.633 χ^2/NDF: 18.5/30

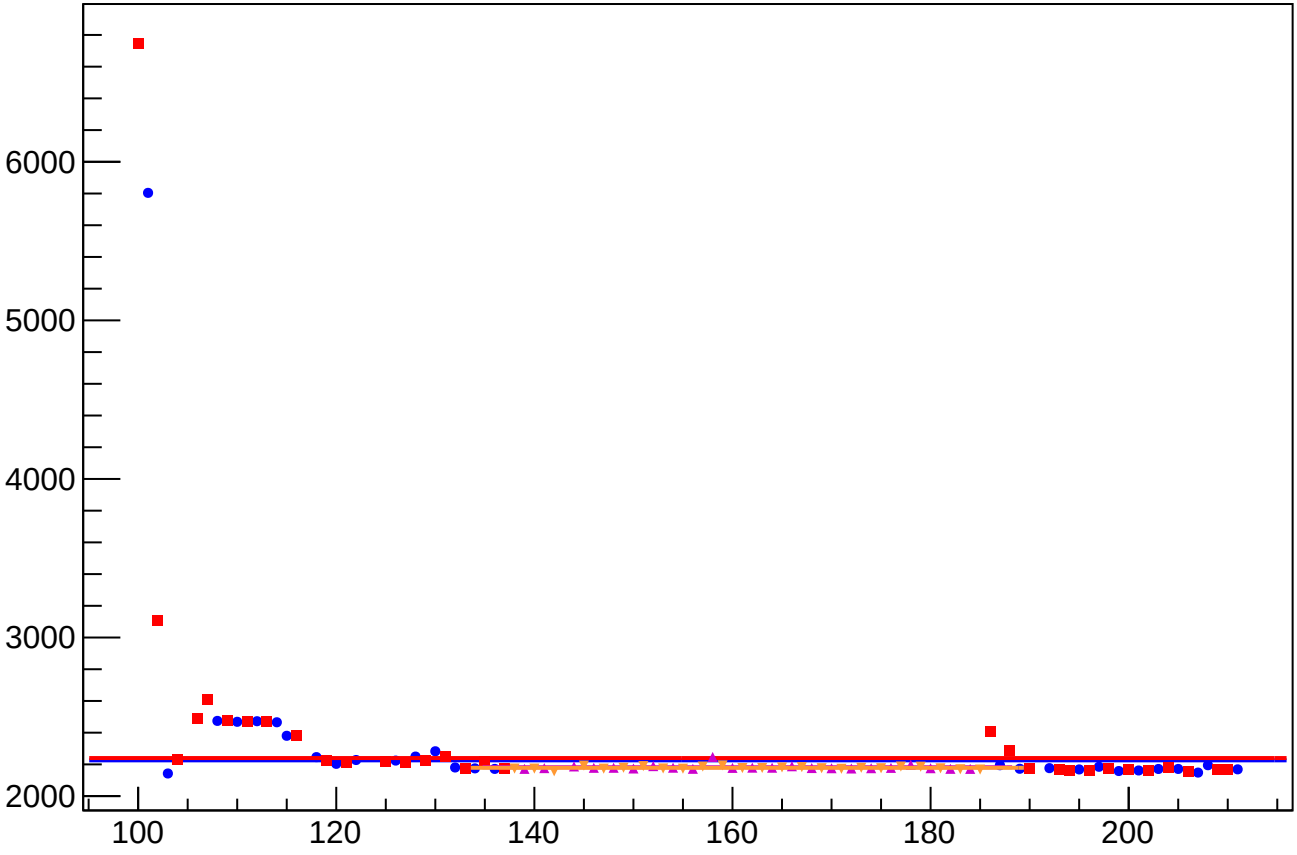
Left In: 544.259+/-509.433 χ^2/NDF:27.9/22

+ sign -778.425+/-372.266 χ^2/NDF: 43.2/51

All: -31.904+/-262.119 χ^2/NDF: 97.7/105

- sign 702.125+/-369.138 χ^2/NDF: 46.6/53

eigen_dit_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2225.517+/-0.389 χ^2/NDF: 544446.1/27

Left Out: 2178.503+/-0.358 χ^2/NDF:456.1/23

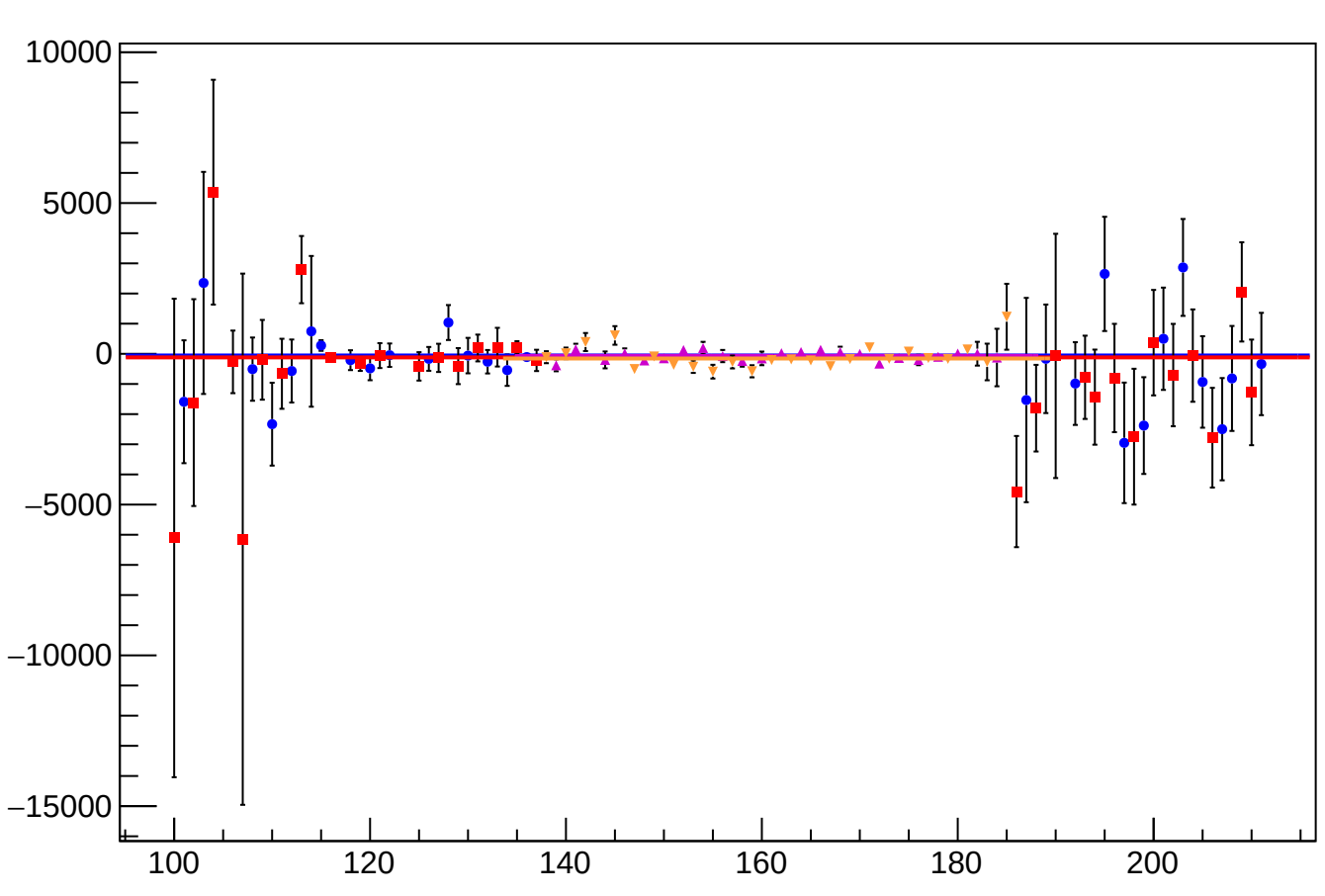
Right Out: 2239.932+/-0.379 χ^2/NDF: 215180.5/30

Left In: 2181.882+/-0.360 χ^2/NDF:1838.2/22

+ sign 2200.033+/-0.263 χ^2/NDF: 552820.3/51

All: 2204.782+/-0.185 χ^2/NDF: 782818.6/105

- sign 2209.453+/-0.261 χ^2/NDF: 229352.5/53



Right In: -55.387+/-90.854 χ^2/NDF: 27.0/27

Left Out: -154.726+/-34.061 χ^2/NDF:47.3/23

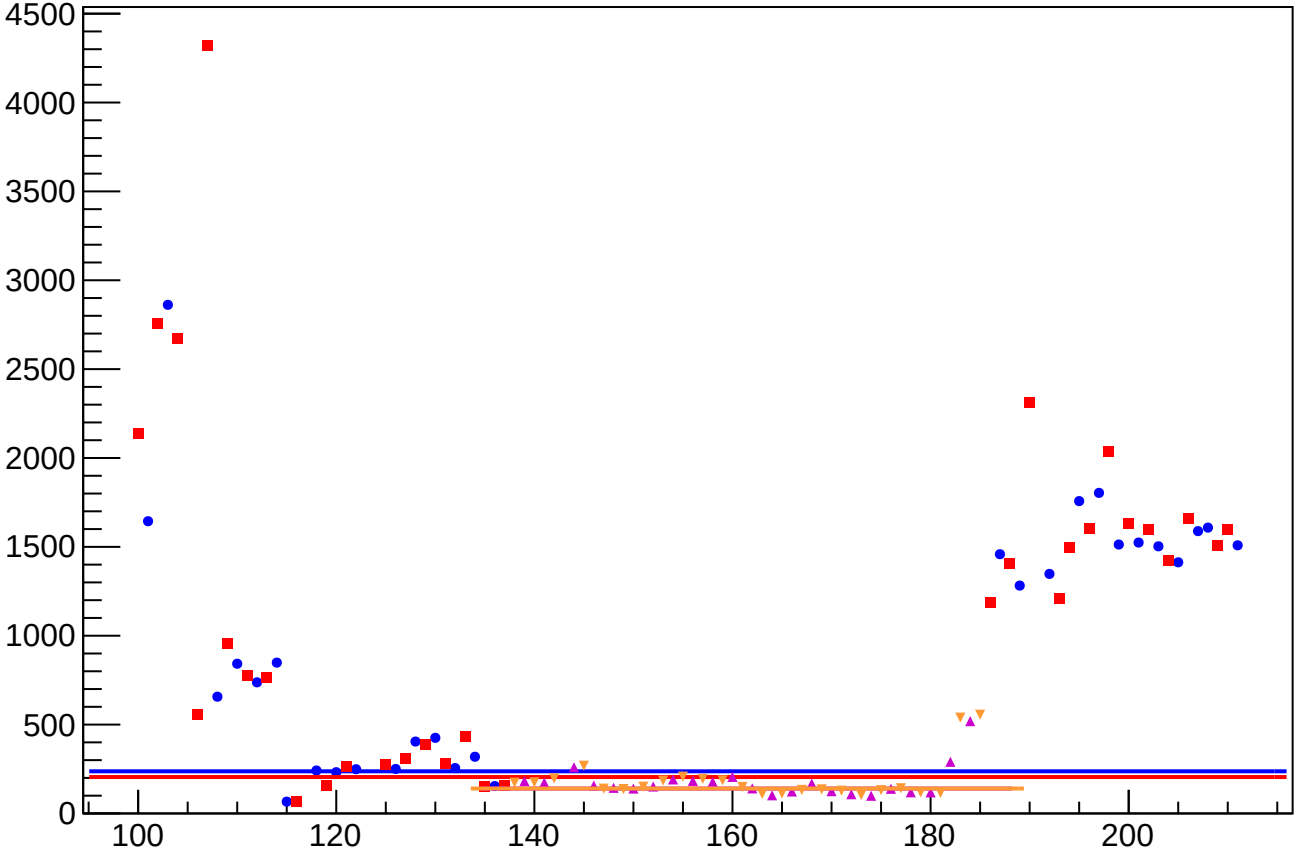
Right Out: -118.236+/-84.706 χ^2/NDF: 29.7/30

Left In: -70.141+/-34.204 χ^2/NDF:18.9/22

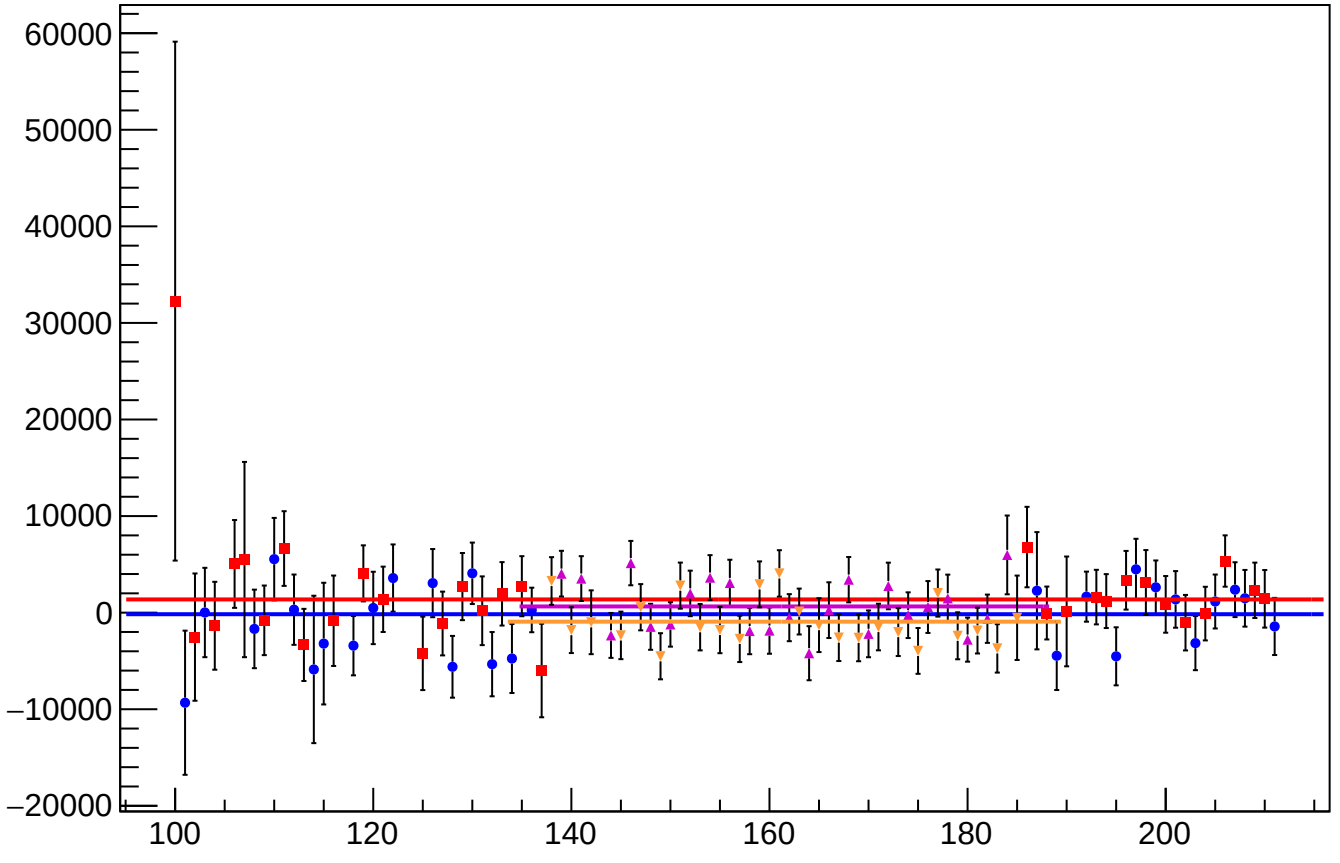
+ sign -142.485+/-31.893 χ^2/NDF: 75.4/51

All: -109.502+/-22.489 χ^2/NDF: 126.4/105

- sign -76.883+/-31.716 χ^2/NDF: 48.9/53


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
Right In: 237.180+/-0.064 χ²/NDF: 19327249.1/27
Left Out: 140.319+/-0.024 χ²/NDF:2760280.2/23
Right Out: 204.918+/-0.060 χ²/NDF: 23013902.4/30
Left In: 139.979+/-0.024 χ²/NDF:2412509.5/22
+ sign 152.255+/-0.023 χ²/NDF: 24080610.3/51
All: 150.660+/-0.016 χ²/NDF: 50527638.4/10
- sign 149.083+/-0.022 χ²/NDF: 26437081.4/53

asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -161.368+/-630.817 χ^2/NDF: 26.5/27

Left Out: -932.002+/-507.717 χ^2/NDF:22.4/23

Right Out: 1370.351+/-623.154 χ^2/NDF: 19.3/30

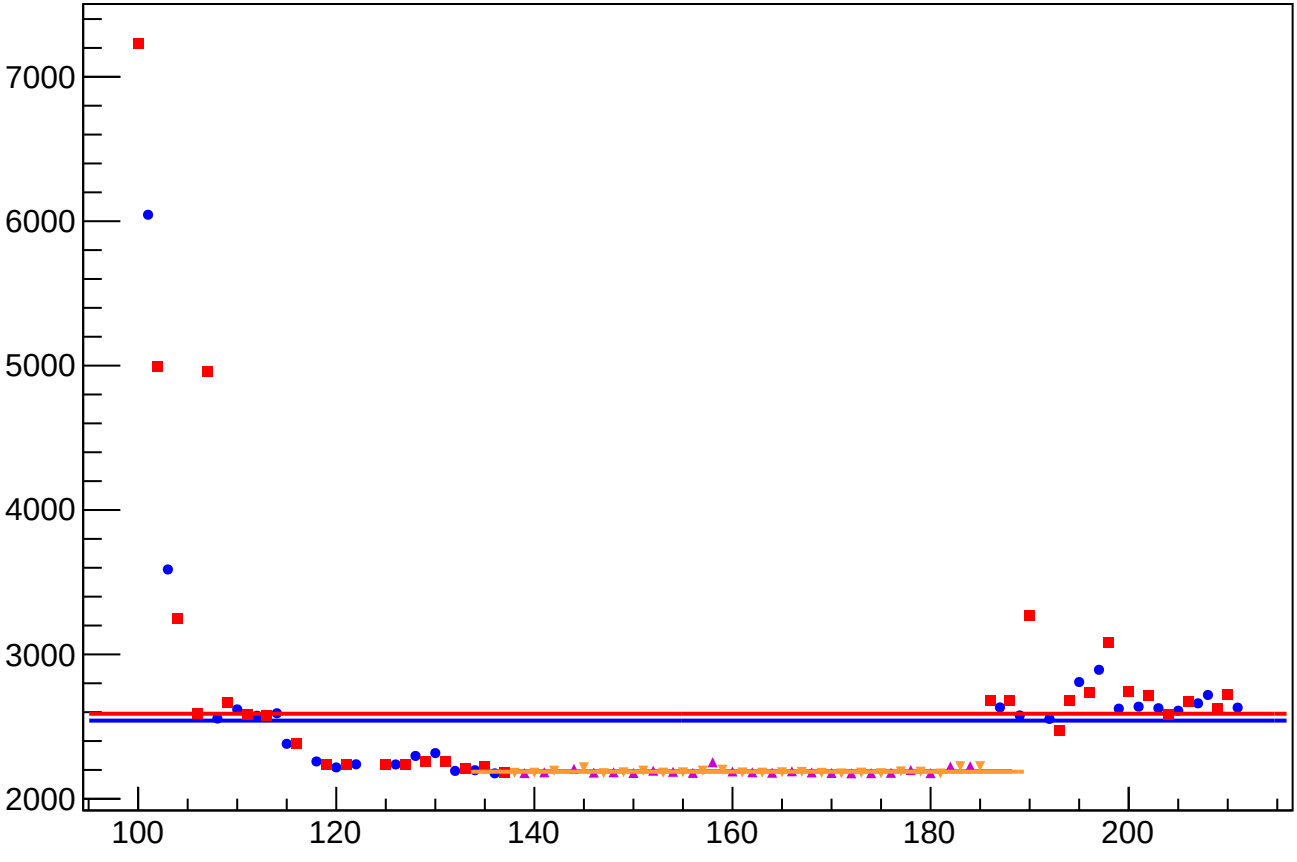
Left In: 642.773+/-511.372 χ^2/NDF:27.0/22

+ sign -629.044+/-395.522 χ^2/NDF: 49.8/51

All: 153.684+/-279.600 χ^2/NDF: 104.8/105

- sign 935.565+/-395.308 χ^2/NDF: 47.1/53

asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2541.532+/-0.446 χ^2/NDF: 780538.3/27

Left Out: 2187.620+/-0.359 χ^2/NDF:1342.1/23

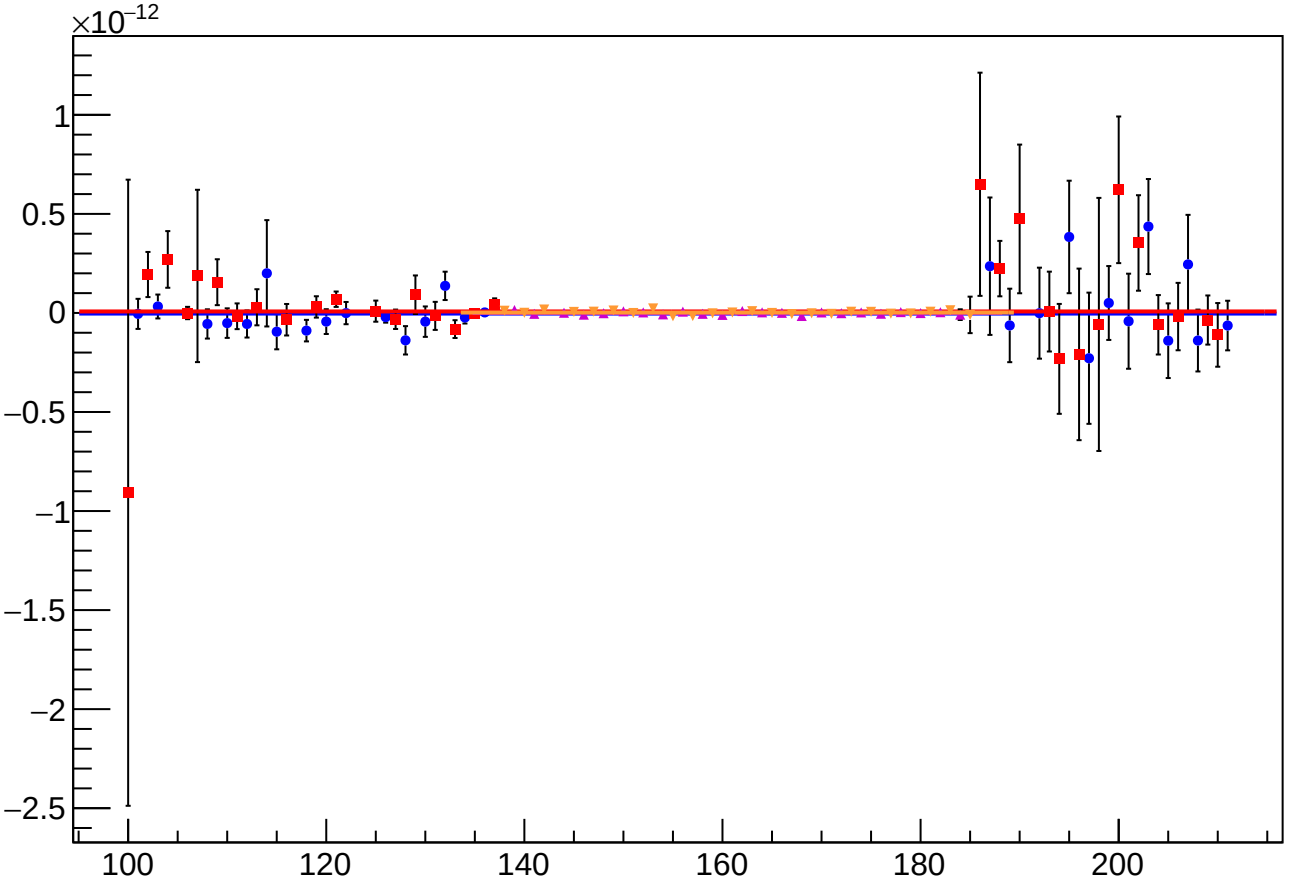
Right Out: 2589.078+/-0.441 χ^2/NDF: 778923.2/30

Left In: 2190.163+/-0.362 χ^2/NDF:2542.8/22

+ sign 2326.753+/-0.280 χ^2/NDF: 1163922.5/51

All: 2338.730+/-0.198 χ^2/NDF: 2438830.4/10

- sign 2350.695+/-0.280 χ^2/NDF: 1271241.5/53



Right In: -0.000+/-0.000 χ^2/NDF: 24.4/27

Left Out: 0.000+/-0.000 χ^2/NDF:19.4/23

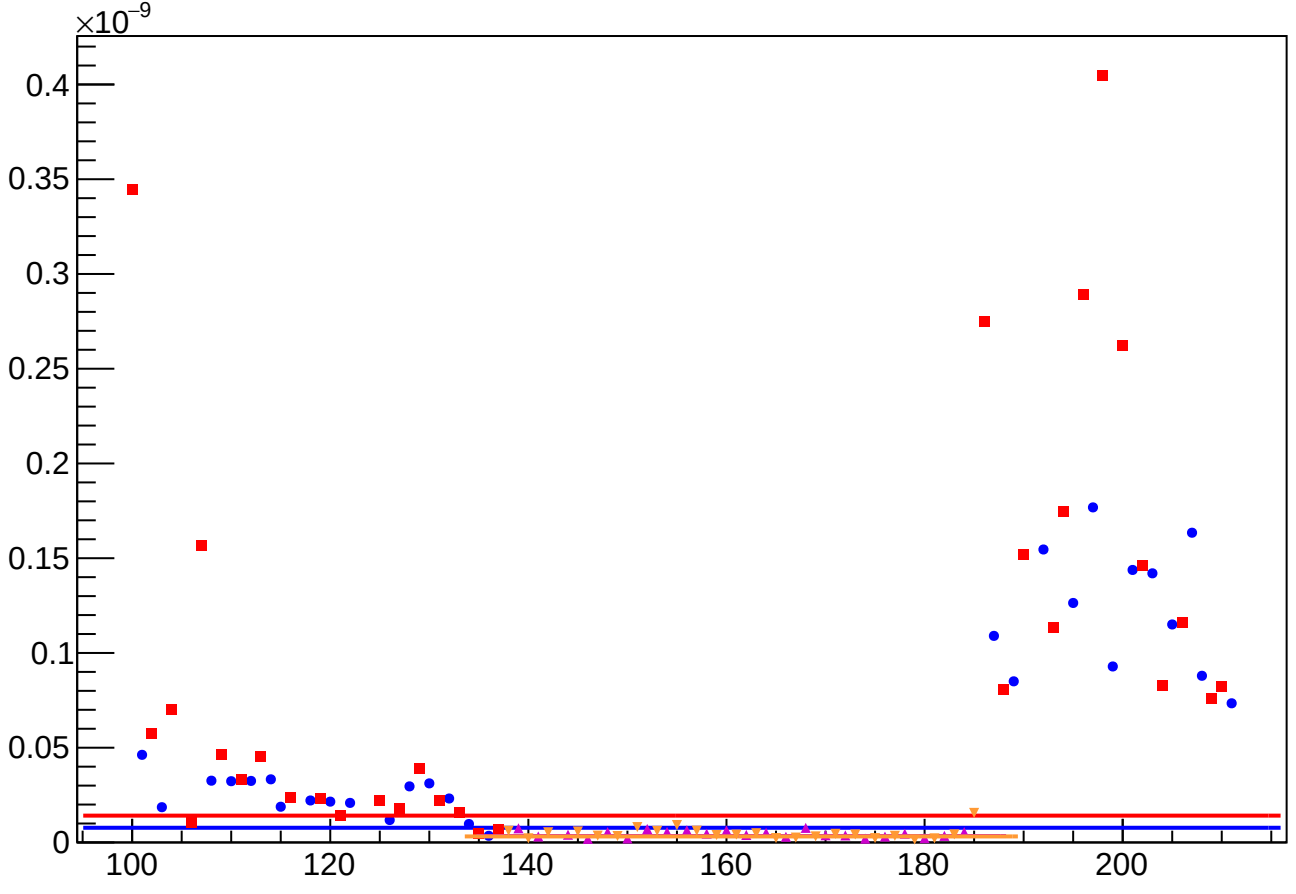
Right Out: 0.000+/-0.000 χ^2/NDF: 30.8/30

Left In: 0.000+/-0.000 χ^2/NDF:13.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 44.5/51

All: 0.000+/-0.000 χ^2/NDF: 89.5/105

- sign 0.000+/-0.000 χ^2/NDF: 44.7/53



Right In: 0.000+/-0.000 χ^2/NDF: 9316595.6/27

Left Out: 0.000+/-0.000 χ^2/NDF:2065501.9/23

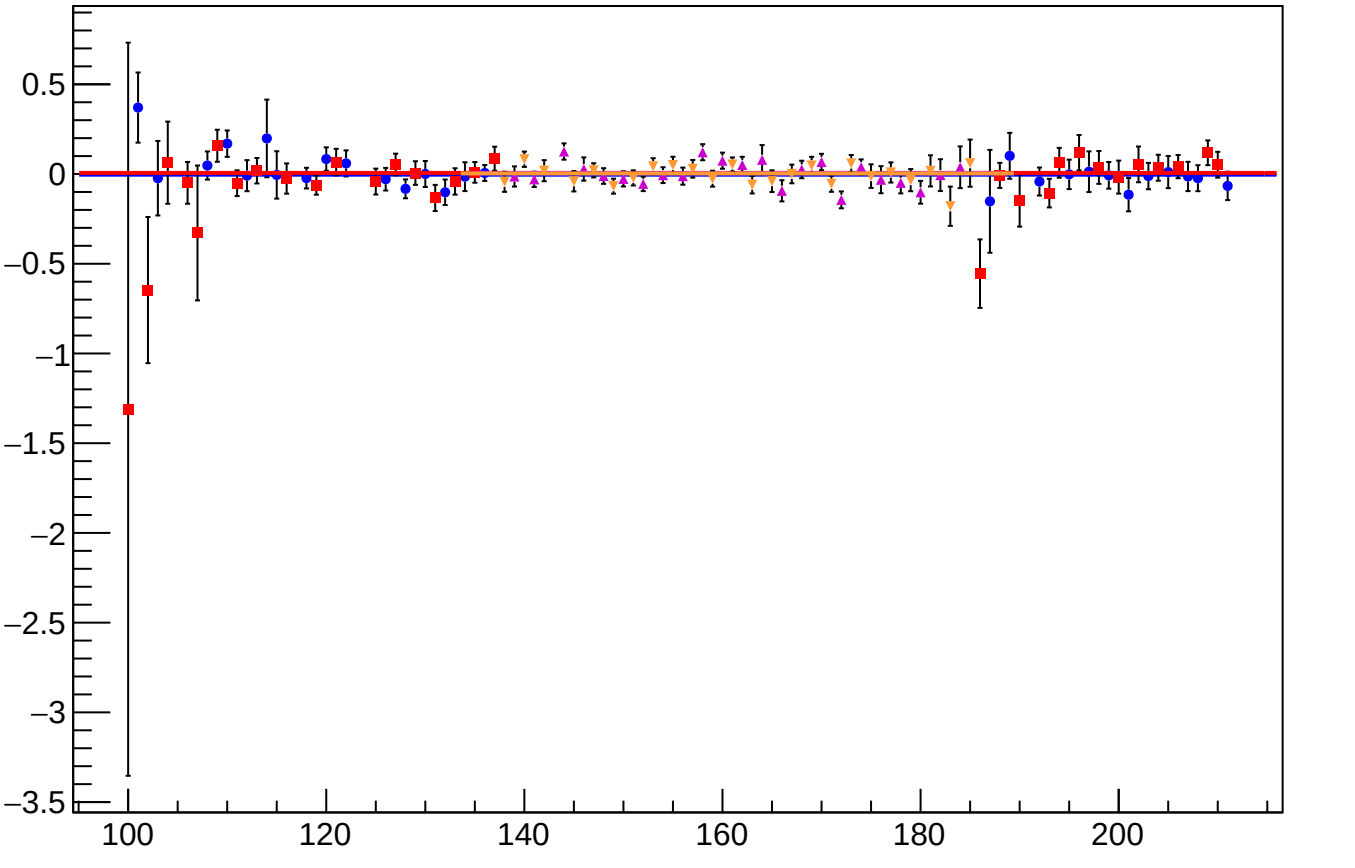
Right Out: 0.000+/-0.000 χ^2/NDF: 10210781.2/30

Left In: 0.000+/-0.000 χ^2/NDF:1703481.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 12390940.9/51

All: 0.000+/-0.000 χ^2/NDF: 26769062.9/105

- sign 0.000+/-0.000 χ^2/NDF: 14347852.2/53



Right In: -0.004+/-0.015 χ^2/NDF: 20.9/27

Left Out: 0.003+/-0.010 χ^2/NDF:21.8/23

Right Out: 0.006+/-0.015 χ^2/NDF: 34.0/30

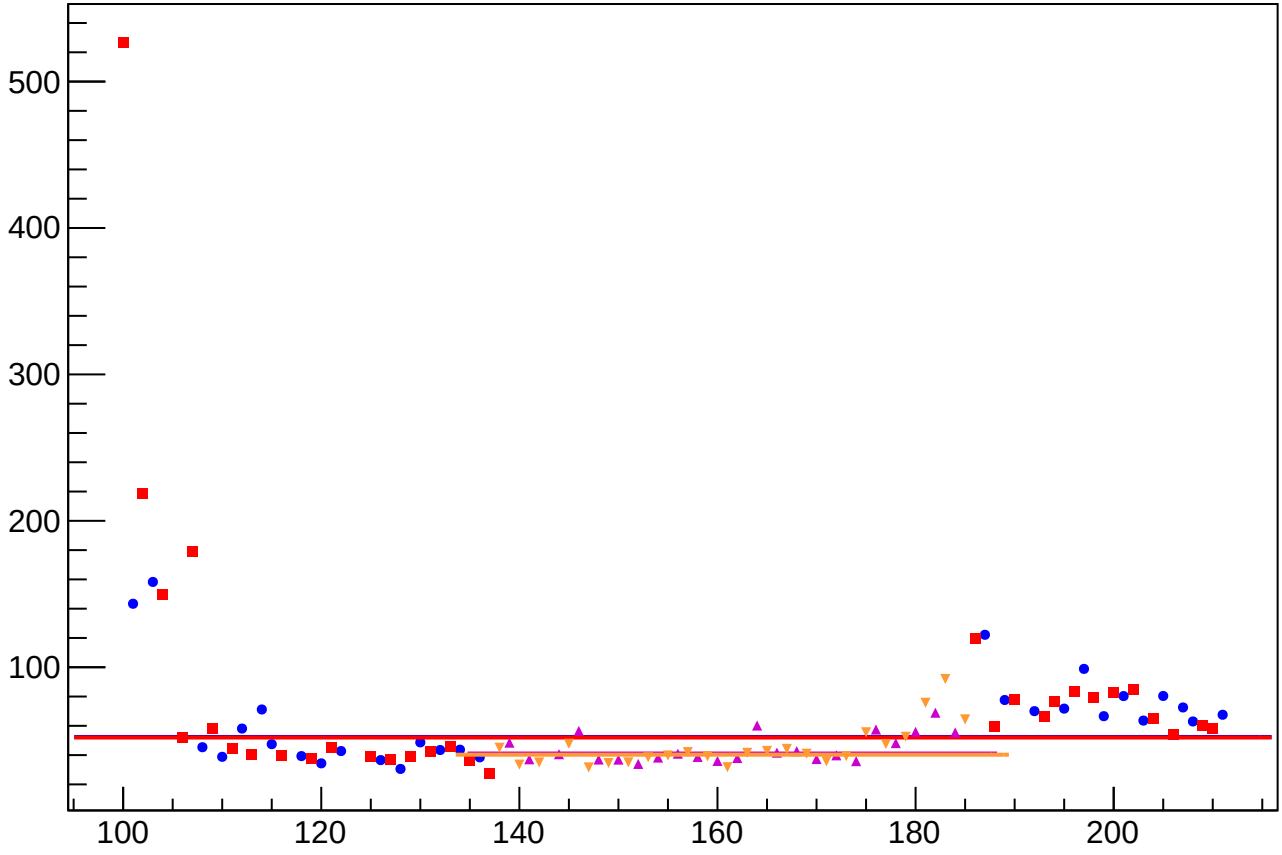
Left In: 0.005+/-0.011 χ^2/NDF:41.4/22

+ sign 0.001+/-0.008 χ^2/NDF: 42.9/51

All: 0.003+/-0.006 χ^2/NDF: 118.5/105

- sign 0.006+/-0.009 χ^2/NDF: 75.5/53

asym_us_dd_at1lr_dd_avg_dit_vs_cor_diff_rms vs Slug



Right In: 52.381+/-0.010 χ^2/NDF: 3562110.8/27

Left Out: 40.277+/-0.007 χ^2/NDF:1489065.3/23

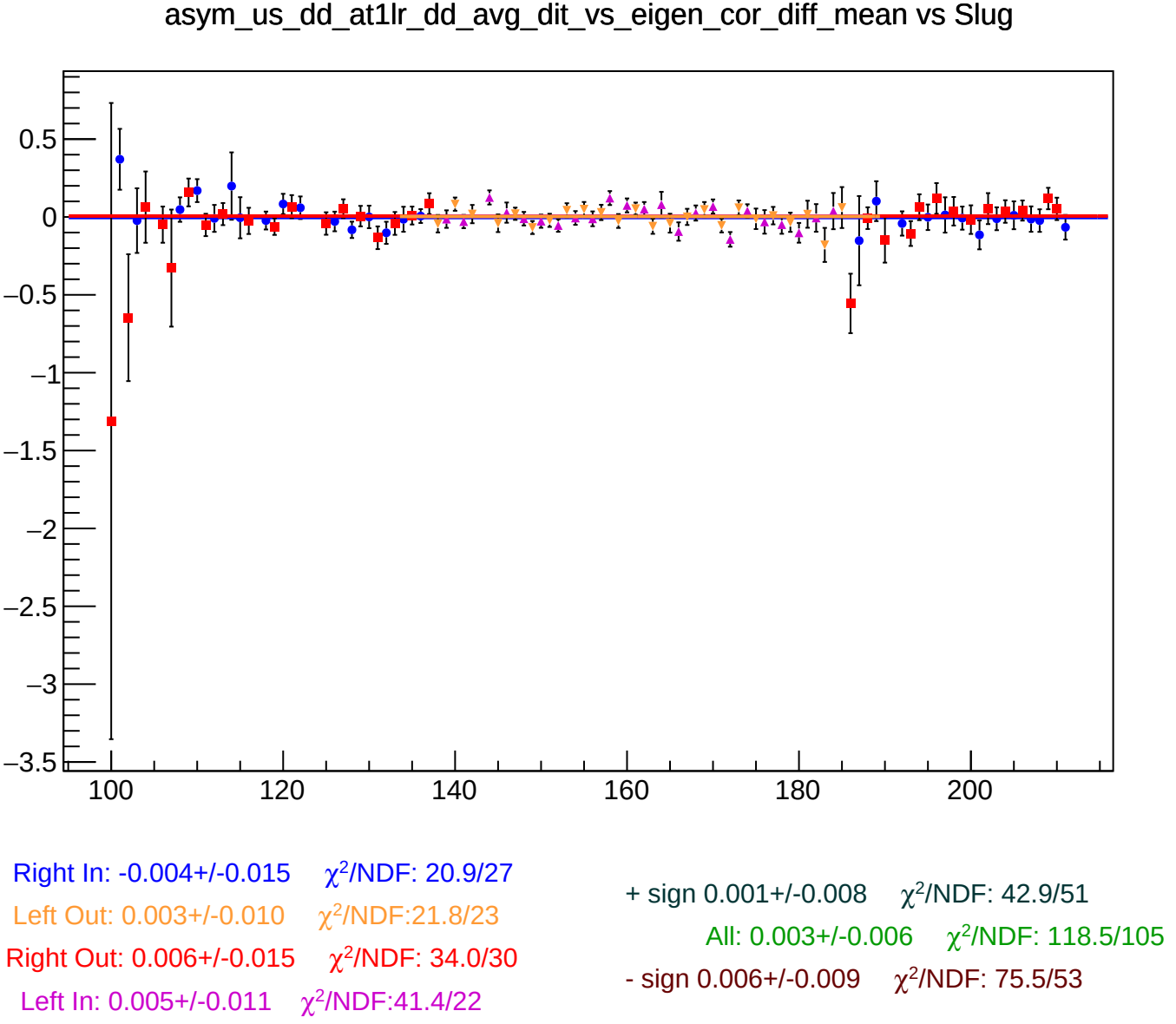
Right Out: 51.999+/-0.010 χ^2/NDF: 3573033.9/30

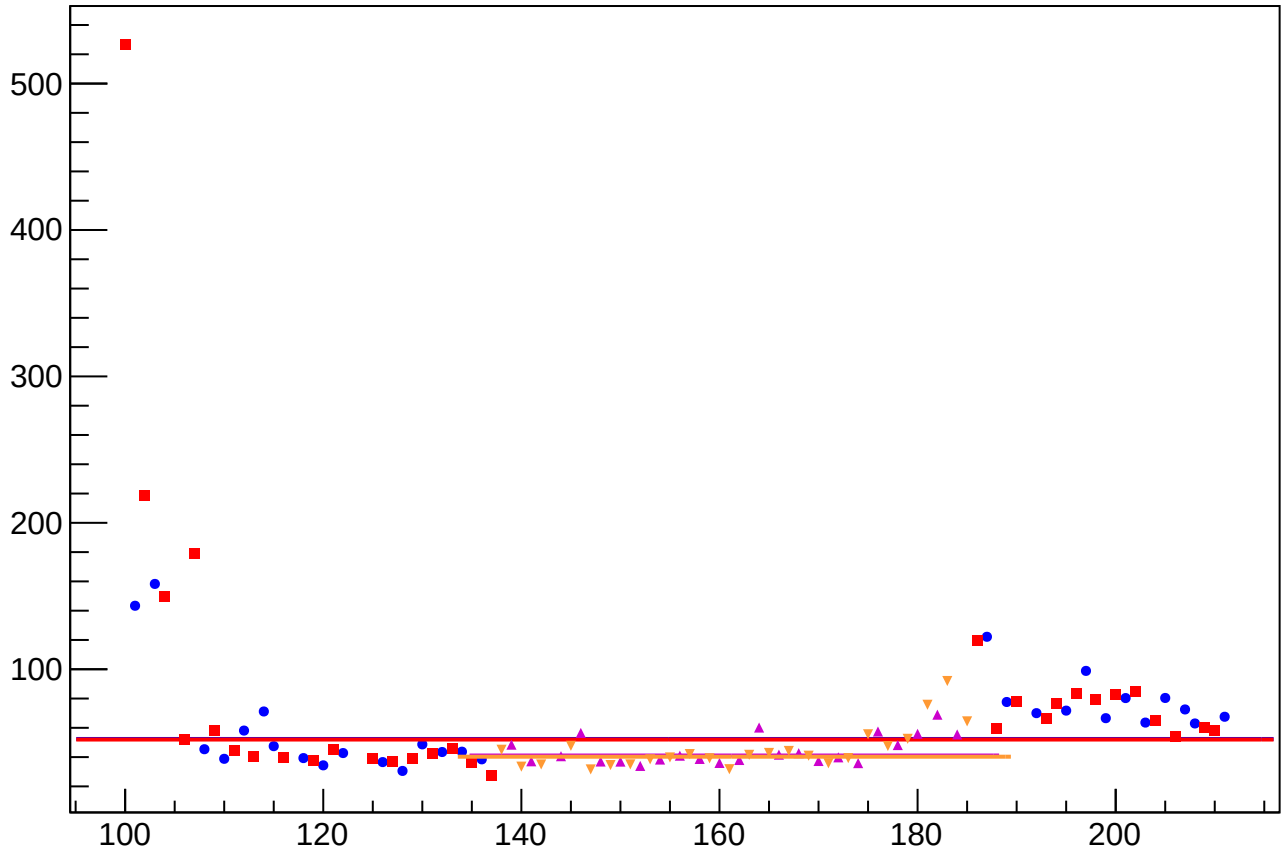
Left In: 41.082+/-0.007 χ^2/NDF:926843.9/22

+ sign 44.266+/-0.006 χ^2/NDF: 5949193.4/51

All: 44.563+/-0.004 χ^2/NDF: 11194186.9/105

- sign 44.864+/-0.006 χ^2/NDF: 5240055.6/53


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
Right In: -0.004+/-0.015 χ²/NDF: 20.9/27
Left Out: 0.003+/-0.010 χ²/NDF:21.8/23
Right Out: 0.006+/-0.015 χ²/NDF: 34.0/30
Left In: 0.005+/-0.011 χ²/NDF:41.4/22
+ sign 0.001+/-0.008 χ²/NDF: 42.9/51
All: 0.003+/-0.006 χ²/NDF: 118.5/105
- sign 0.006+/-0.009 χ²/NDF: 75.5/53



Right In: 52.381+/-0.010 χ^2/NDF: 3562110.8/27

Left Out: 40.277+/-0.007 χ^2/NDF:1489065.3/23

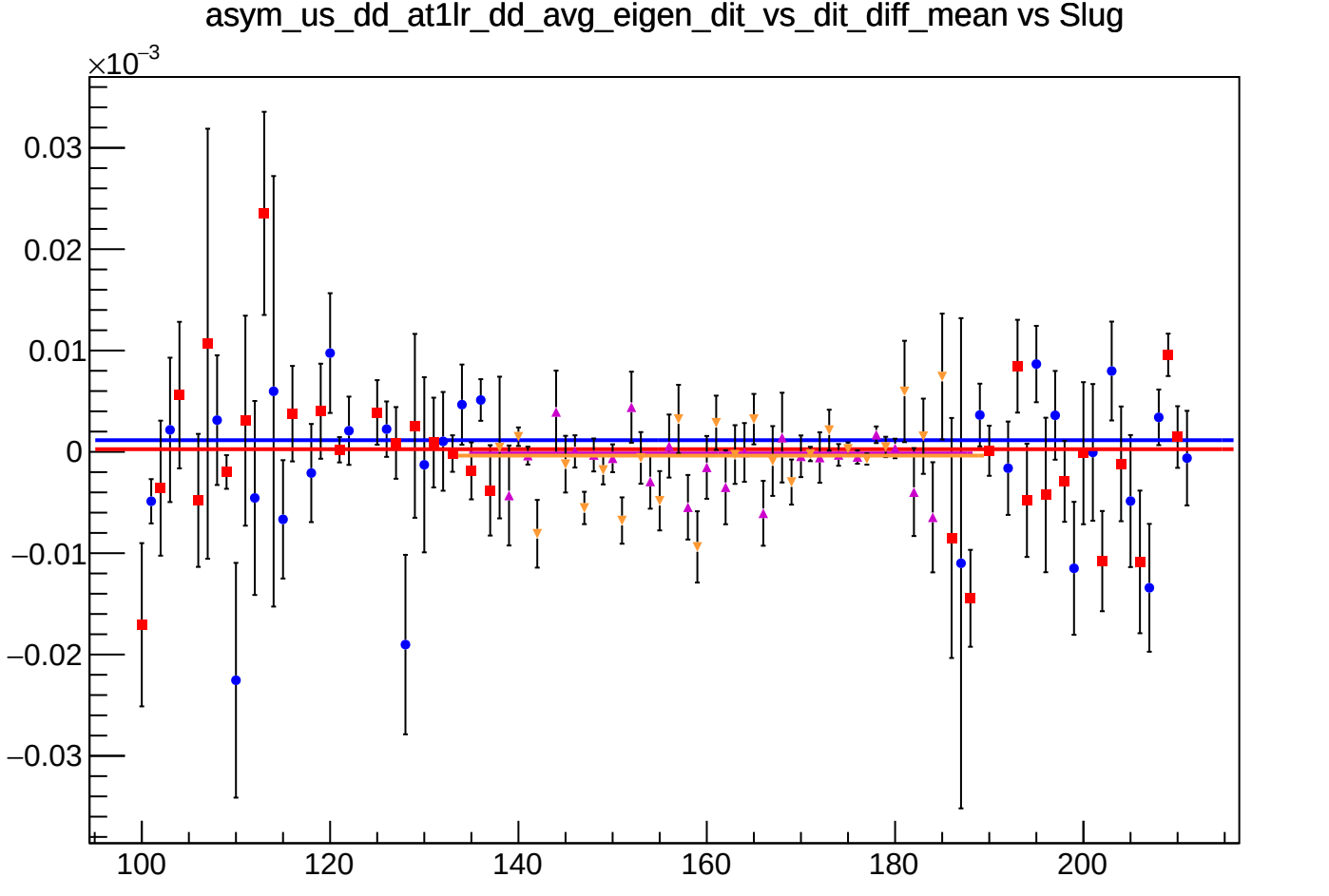
Right Out: 51.999+/-0.010 χ^2/NDF: 3573033.9/30

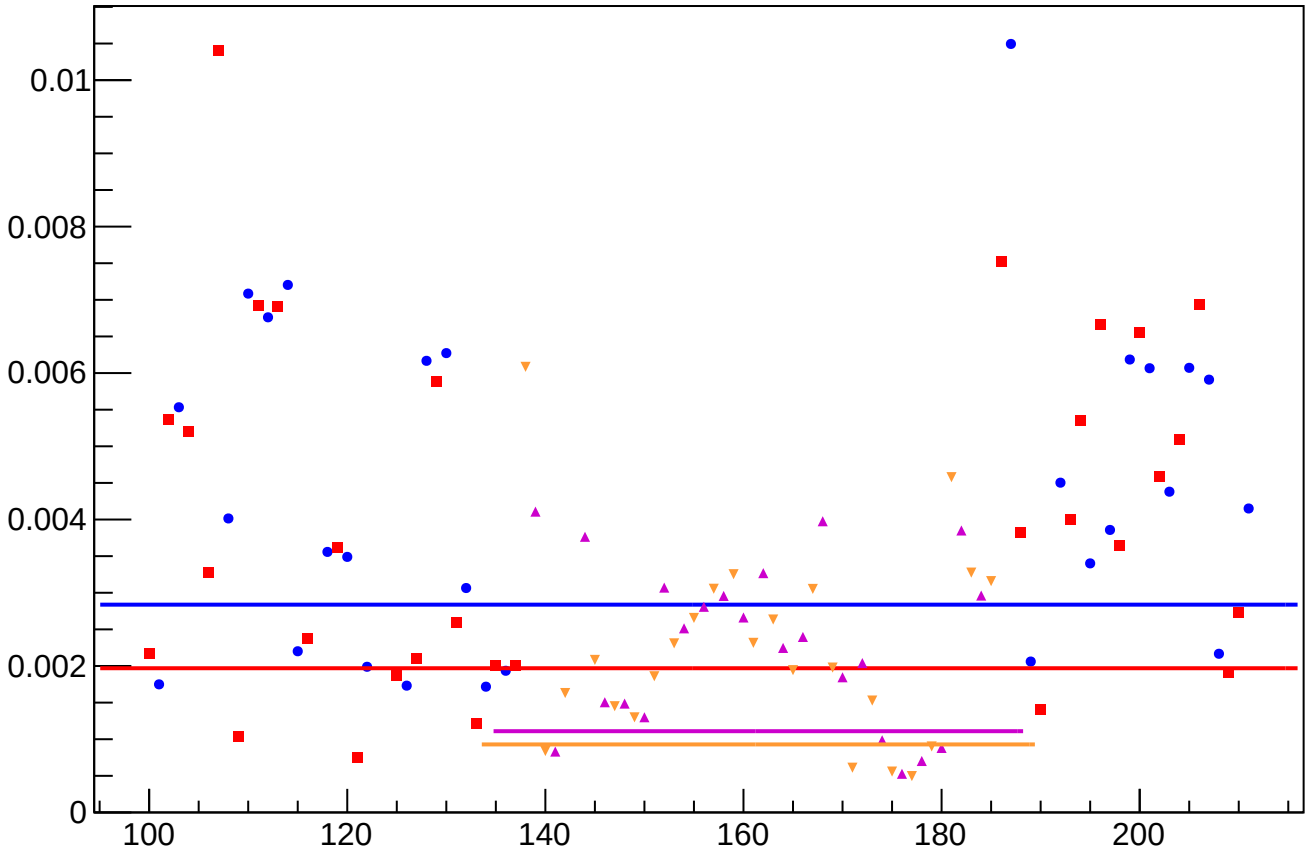
Left In: 41.082+/-0.007 χ^2/NDF:926843.9/22

+ sign 44.266+/-0.006 χ^2/NDF: 5949193.4/51

All: 44.563+/-0.004 χ^2/NDF: 11194186.9/105

- sign 44.864+/-0.006 χ^2/NDF: 5240055.6/53


asym_us_dd_at1lr_dd_avg_eigen_dit_vs_dit_diff_mean vs Slug
×10⁻³
0.03
0.02
0.01
0
−0.01
−0.02
−0.03
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 44.9/27
Left Out: -0.000+/-0.000 χ²/NDF:51.2/23
Right Out: 0.000+/-0.000 χ²/NDF: 60.3/30
Left In: -0.000+/-0.000 χ²/NDF:19.9/22
+ sign -0.000+/-0.000 χ²/NDF: 99.3/51
All: -0.000+/-0.000 χ²/NDF: 180.0/105
- sign -0.000+/-0.000 χ²/NDF: 80.5/53



Right In: 0.003+/-0.000 χ^2/NDF: 6402159.9/27

Left Out: 0.001+/-0.000 χ^2/NDF:12568645.9/23

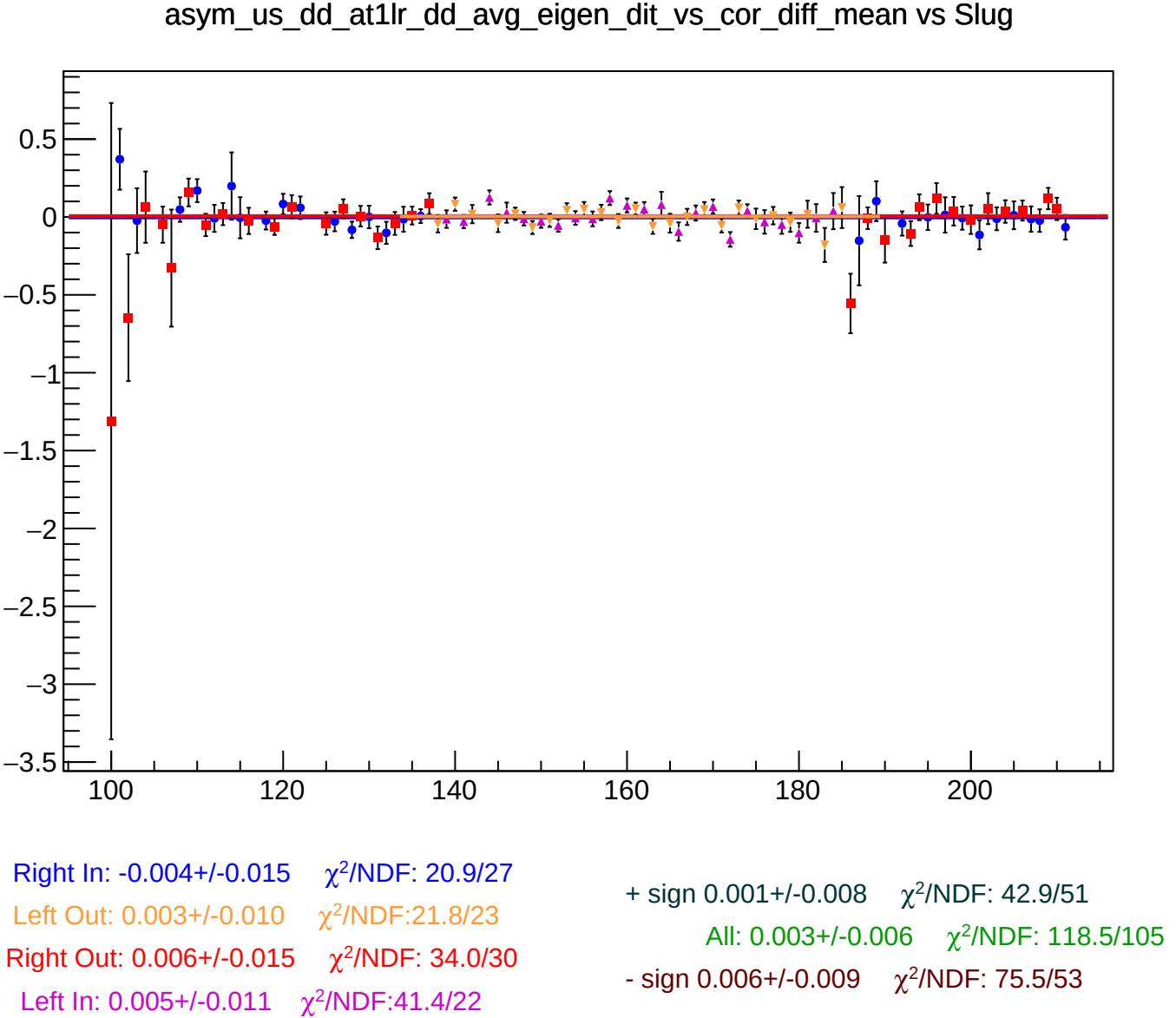
Right Out: 0.002+/-0.000 χ^2/NDF: 12047250.2/30

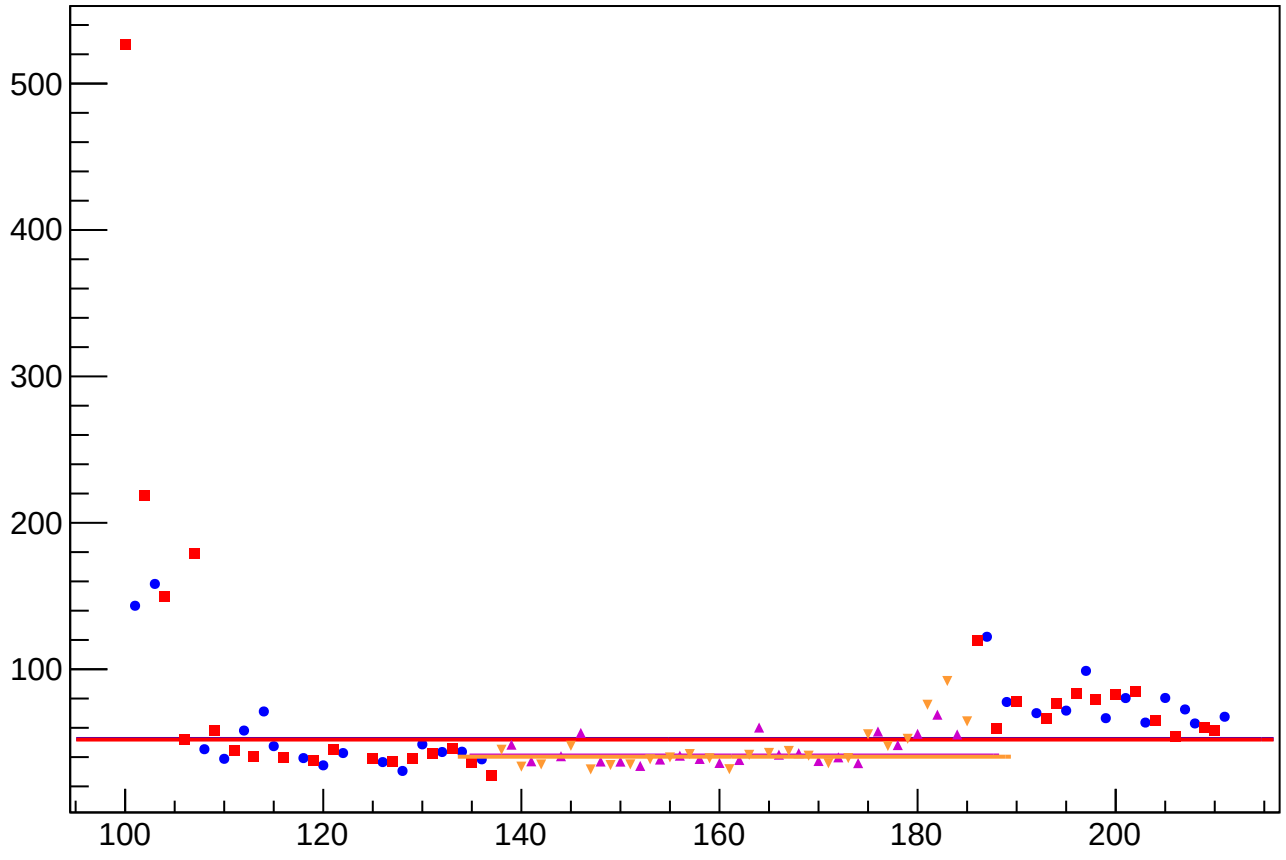
Left In: 0.001+/-0.000 χ^2/NDF:10930077.0/22

+ sign 0.001+/-0.000 χ^2/NDF: 29089908.3/51

All: 0.001+/-0.000 χ^2/NDF: 55597157.5/105

- sign 0.001+/-0.000 χ^2/NDF: 26148438.0/53


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
Right In: -0.004+/-0.015 χ²/NDF: 20.9/27
Left Out: 0.003+/-0.010 χ²/NDF:21.8/23
Right Out: 0.006+/-0.015 χ²/NDF: 34.0/30
Left In: 0.005+/-0.011 χ²/NDF:41.4/22
+ sign 0.001+/-0.008 χ²/NDF: 42.9/51
All: 0.003+/-0.006 χ²/NDF: 118.5/105
- sign 0.006+/-0.009 χ²/NDF: 75.5/53



Right In: 52.379+/-0.010 χ^2/NDF: 3562736.1/27

Left Out: 40.277+/-0.007 χ^2/NDF:1489049.7/23

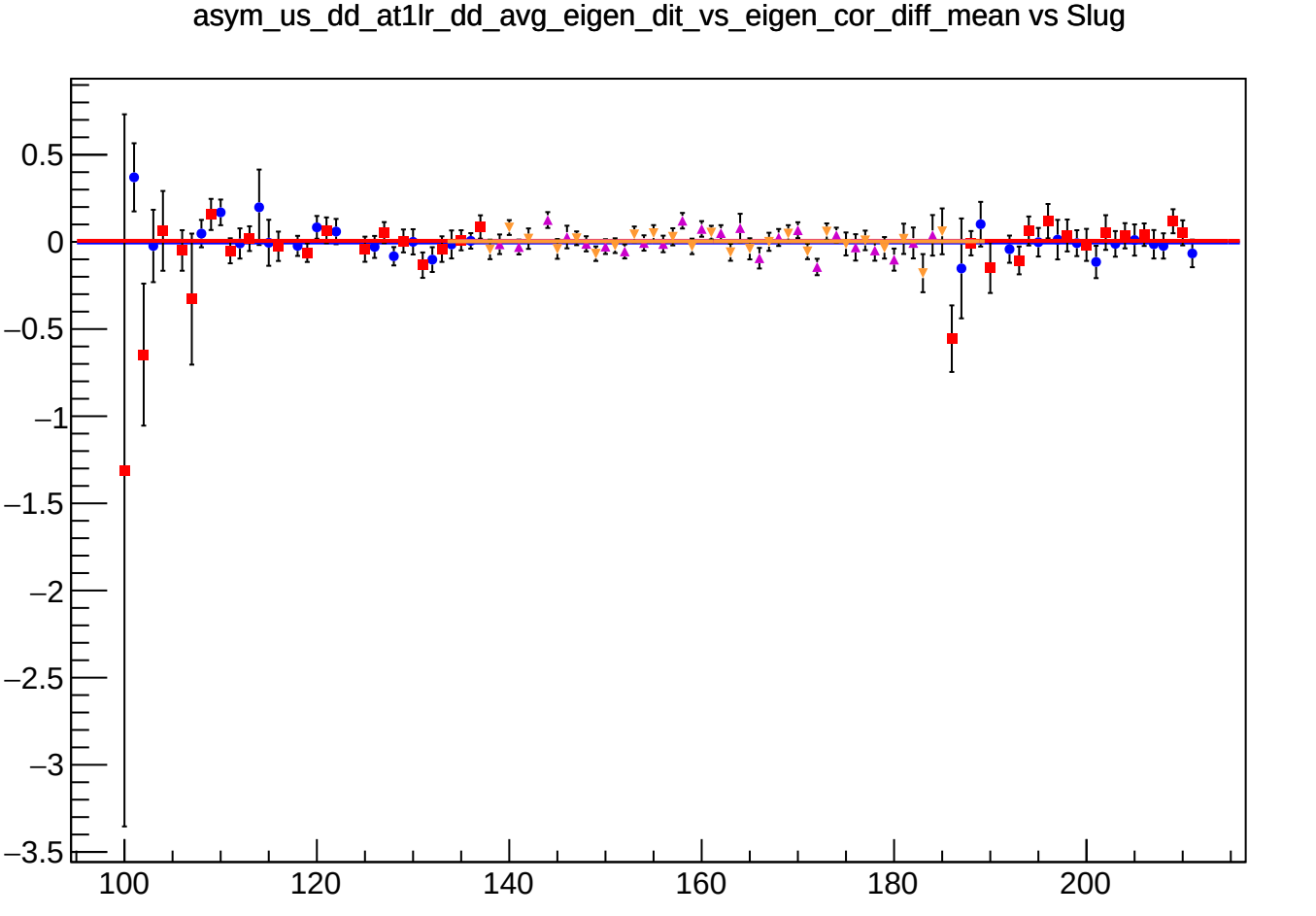
Right Out: 52.000+/-0.010 χ^2/NDF: 3572998.0/30

Left In: 41.082+/-0.007 χ^2/NDF:926883.3/22

+ sign 44.265+/-0.006 χ^2/NDF: 5949518.1/51

All: 44.563+/-0.004 χ^2/NDF: 11194590.8/105

- sign 44.864+/-0.006 χ^2/NDF: 5240124.4/53



Right In: -0.004+/-0.015 χ^2/NDF: 20.9/27

Left Out: 0.003+/-0.010 χ^2/NDF:21.8/23

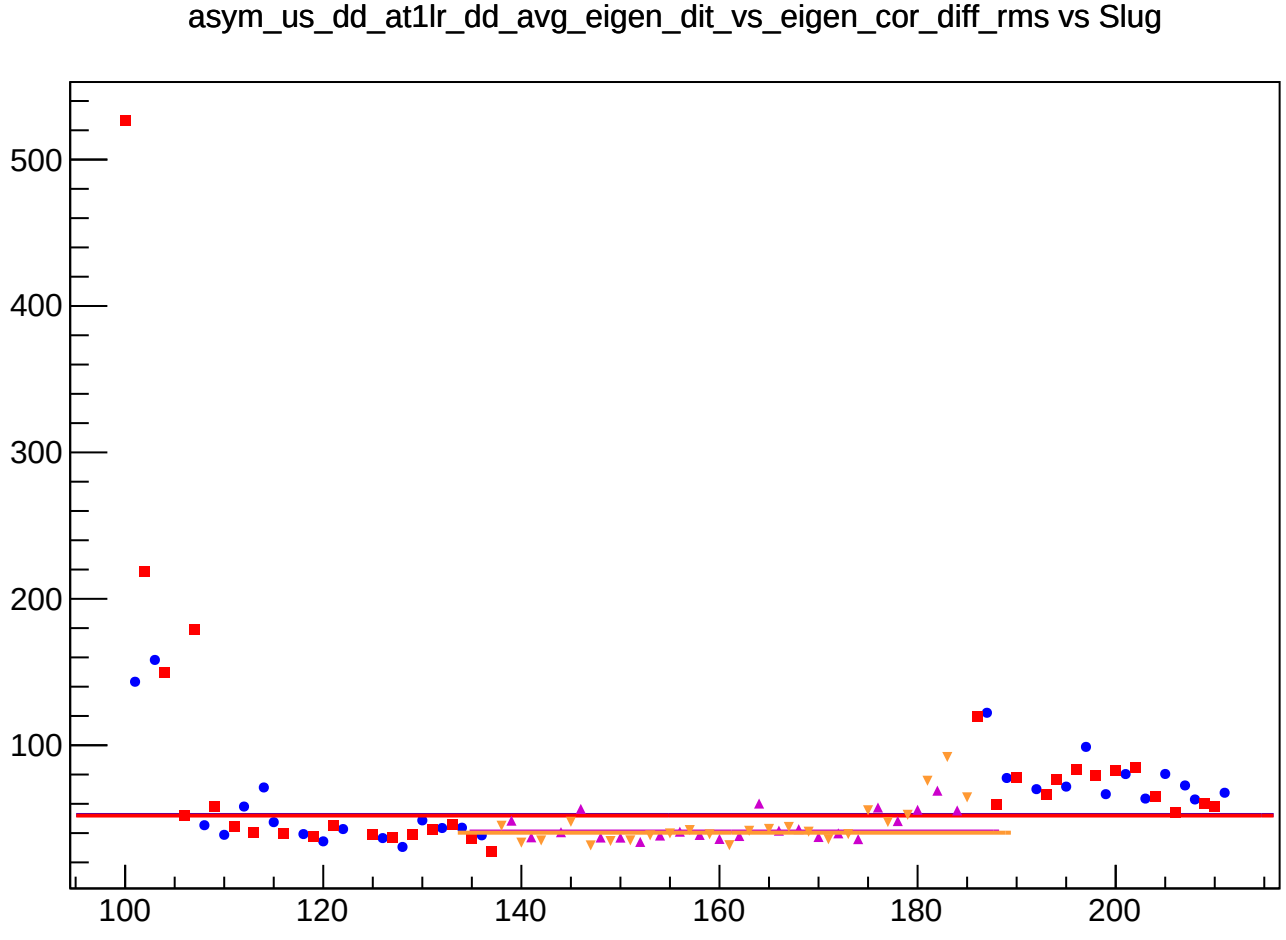
Right Out: 0.006+/-0.015 χ^2/NDF: 34.0/30

Left In: 0.005+/-0.011 χ^2/NDF:41.4/22

+ sign 0.001+/-0.008 χ^2/NDF: 42.9/51

All: 0.003+/-0.006 χ^2/NDF: 118.5/105

- sign 0.006+/-0.009 χ^2/NDF: 75.5/53



Right In: 52.379+/-0.010 χ^2/NDF: 3562736.1/27

Left Out: 40.277+/-0.007 χ^2/NDF:1489049.7/23

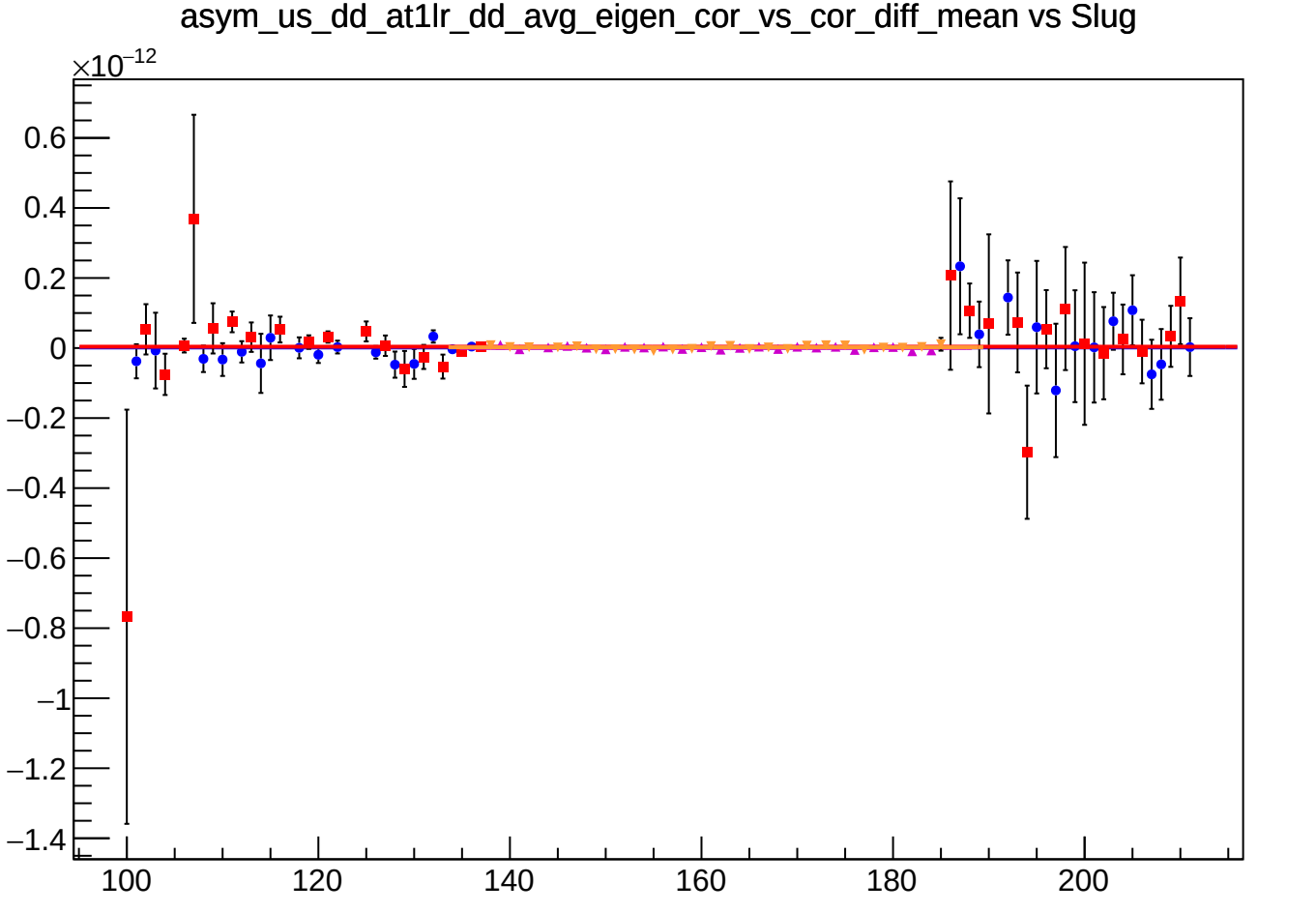
Right Out: 52.000+/-0.010 χ^2/NDF: 3572998.0/30

Left In: 41.082+/-0.007 χ^2/NDF:926883.3/22

+ sign 44.265+/-0.006 χ^2/NDF: 5949518.1/51

All: 44.563+/-0.004 χ^2/NDF: 11194590.8/105

- sign 44.864+/-0.006 χ^2/NDF: 5240124.4/53



Right In: 0.000+/-0.000 χ^2/NDF: 17.3/27

Left Out: 0.000+/-0.000 χ^2/NDF:25.2/23

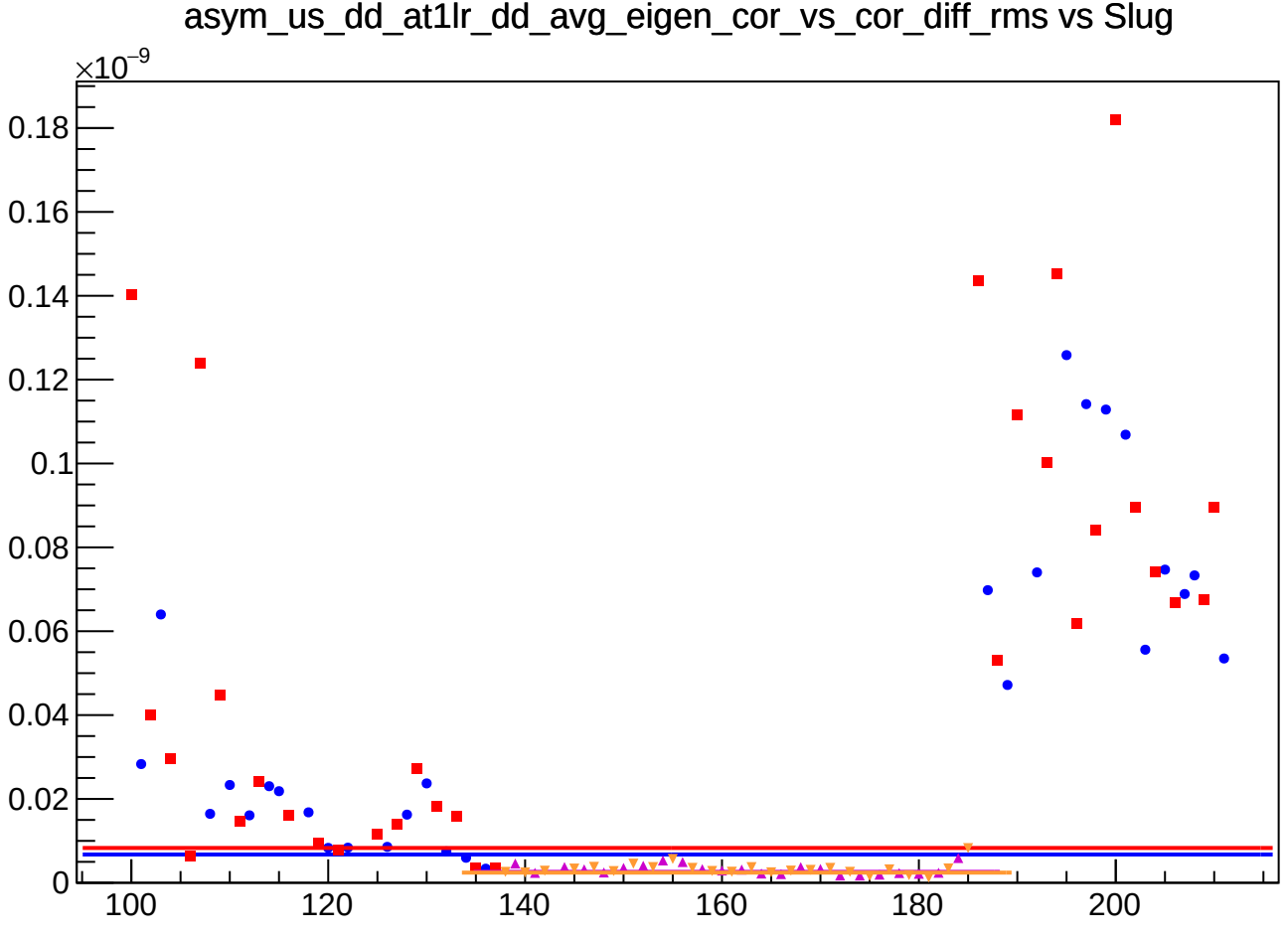
Right Out: 0.000+/-0.000 χ^2/NDF: 35.9/30

Left In: 0.000+/-0.000 χ^2/NDF:23.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 42.4/51

All: 0.000+/-0.000 χ^2/NDF: 103.9/105

- sign 0.000+/-0.000 χ^2/NDF: 59.6/53



Right In: 0.000+/-0.000 χ^2/NDF: 11860720.4/27

Left Out: 0.000+/-0.000 χ^2/NDF:2792453.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 13541080.5/30

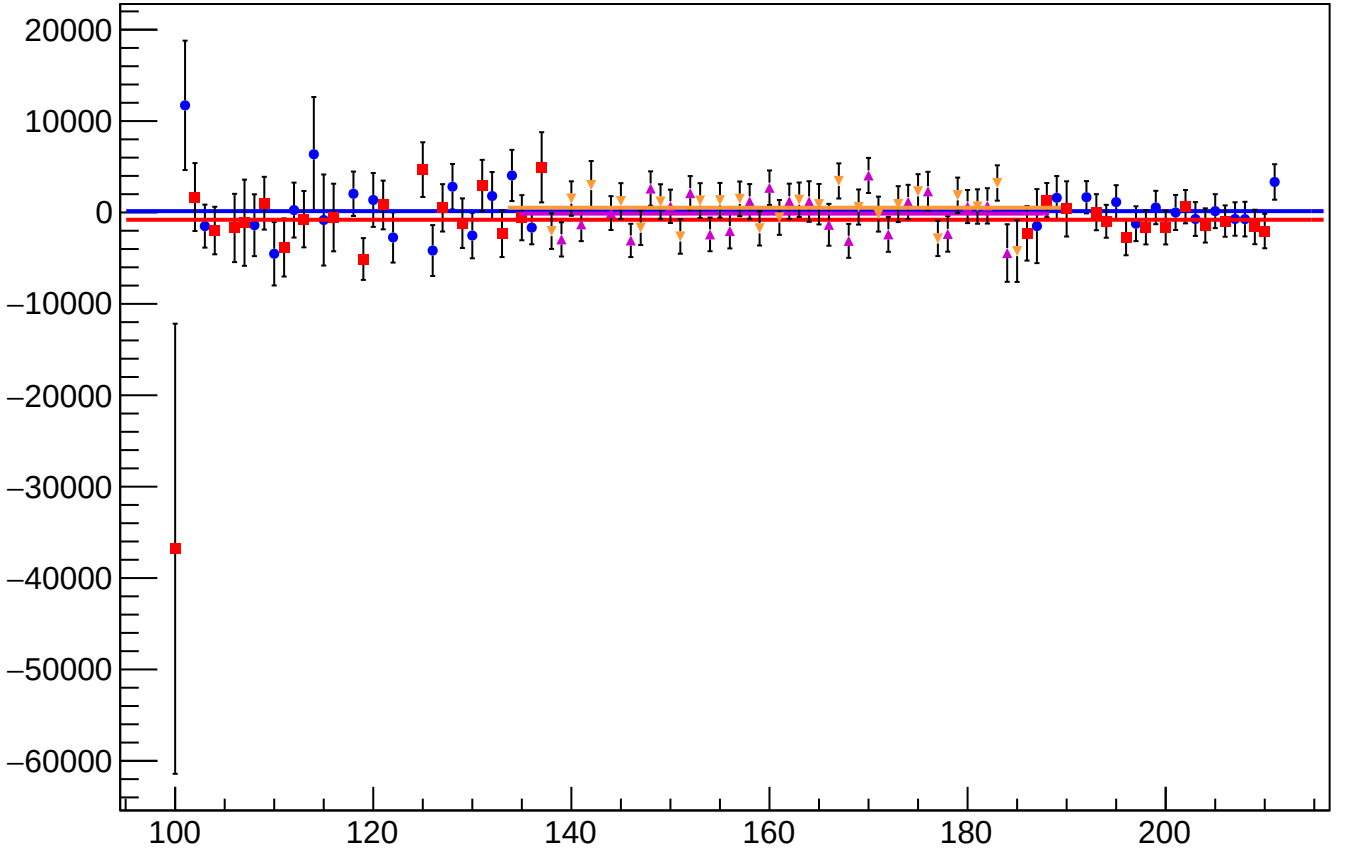
Left In: 0.000+/-0.000 χ^2/NDF:1949059.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 17017252.4/51

All: 0.000+/-0.000 χ^2/NDF: 35404979.7/105

- sign 0.000+/-0.000 χ^2/NDF: 18332374.5/53

reg_asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: 145.652+/-442.321 χ^2/NDF: 21.6/27

Left Out: 519.929+/-401.705 χ^2/NDF:20.8/23

Right Out: -796.881+/-431.064 χ^2/NDF: 20.8/30

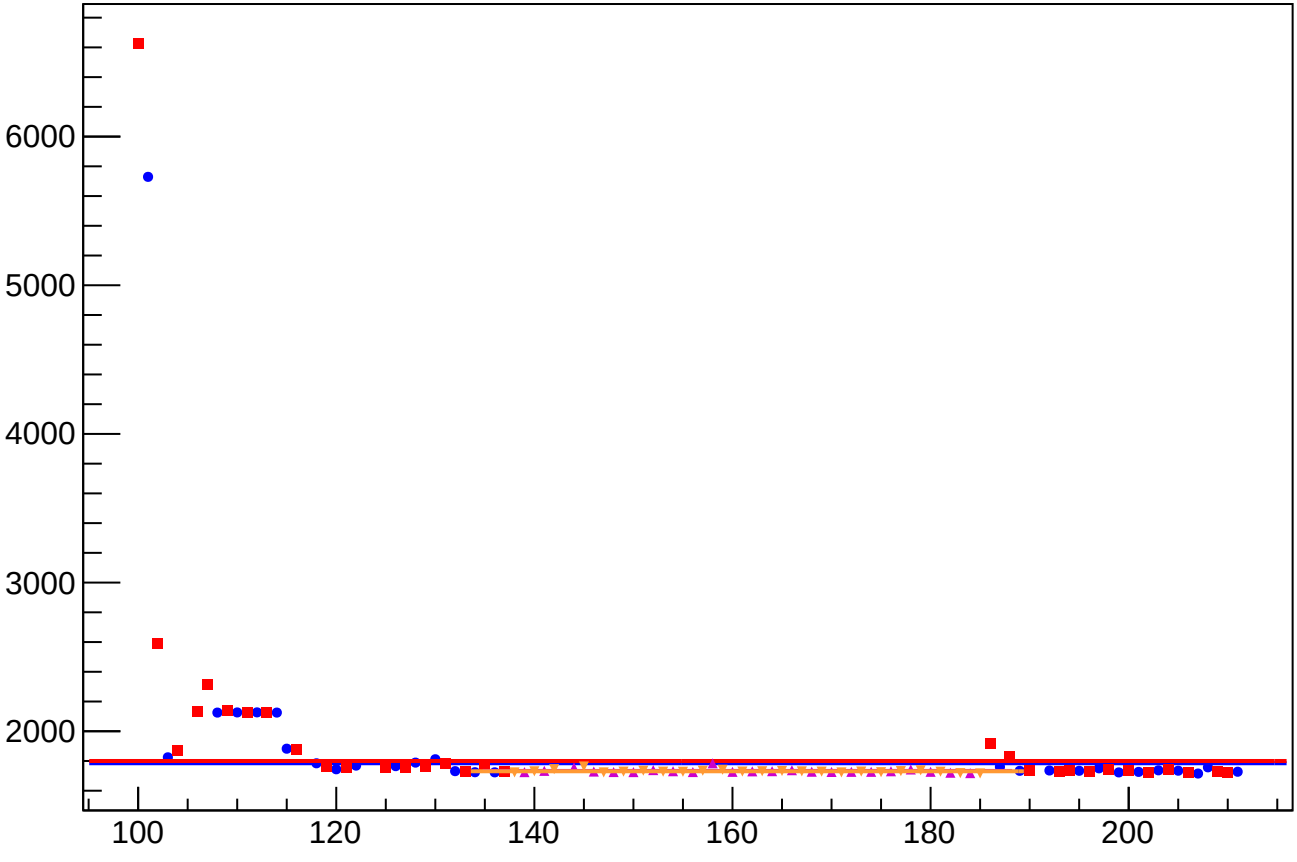
Left In: -126.031+/-404.630 χ^2/NDF:29.5/22

+ sign 350.759+/-297.373 χ^2/NDF: 42.8/51

All: -47.892+/-209.437 χ^2/NDF: 97.8/105

- sign -440.258+/-295.019 χ^2/NDF: 51.5/53

reg_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1784.805+/-0.313 χ^2/NDF: 715929.8/27

Left Out: 1730.847+/-0.284 χ^2/NDF:969.7/23

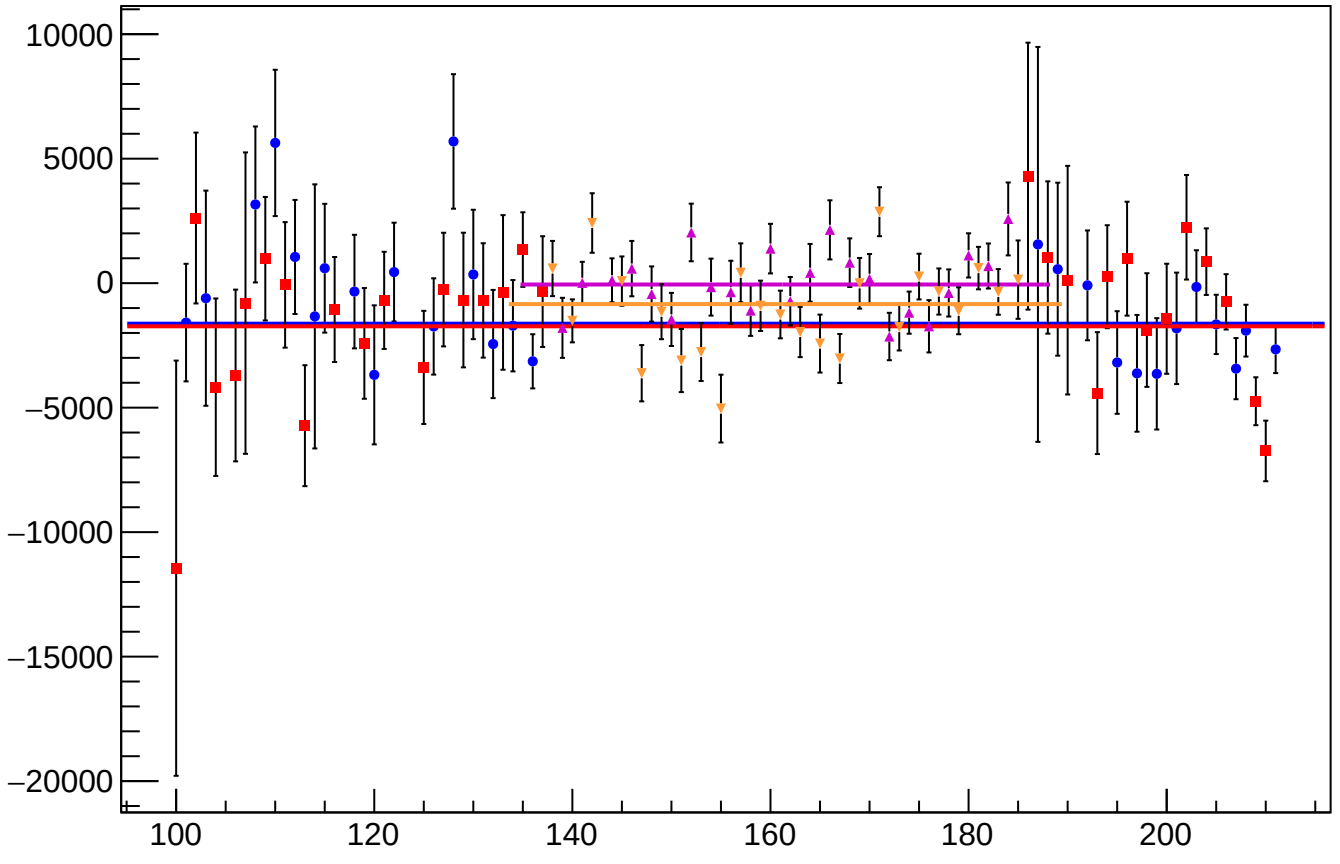
Right Out: 1799.964+/-0.305 χ^2/NDF: 317803.5/30

Left In: 1733.007+/-0.286 χ^2/NDF:2237.4/22

+ sign 1755.235+/-0.210 χ^2/NDF: 733209.3/51

All: 1759.839+/-0.148 χ^2/NDF: 1079853.1/10

- sign 1764.370+/-0.209 χ^2/NDF: 345692.7/53



Right In: -1628.027+/-347.565 χ^2/NDF: 30.1/27

Left Out: -842.437+/-210.852 χ^2/NDF:62.7/23

Right Out: -1733.198+/-366.136 χ^2/NDF: 55.4/30

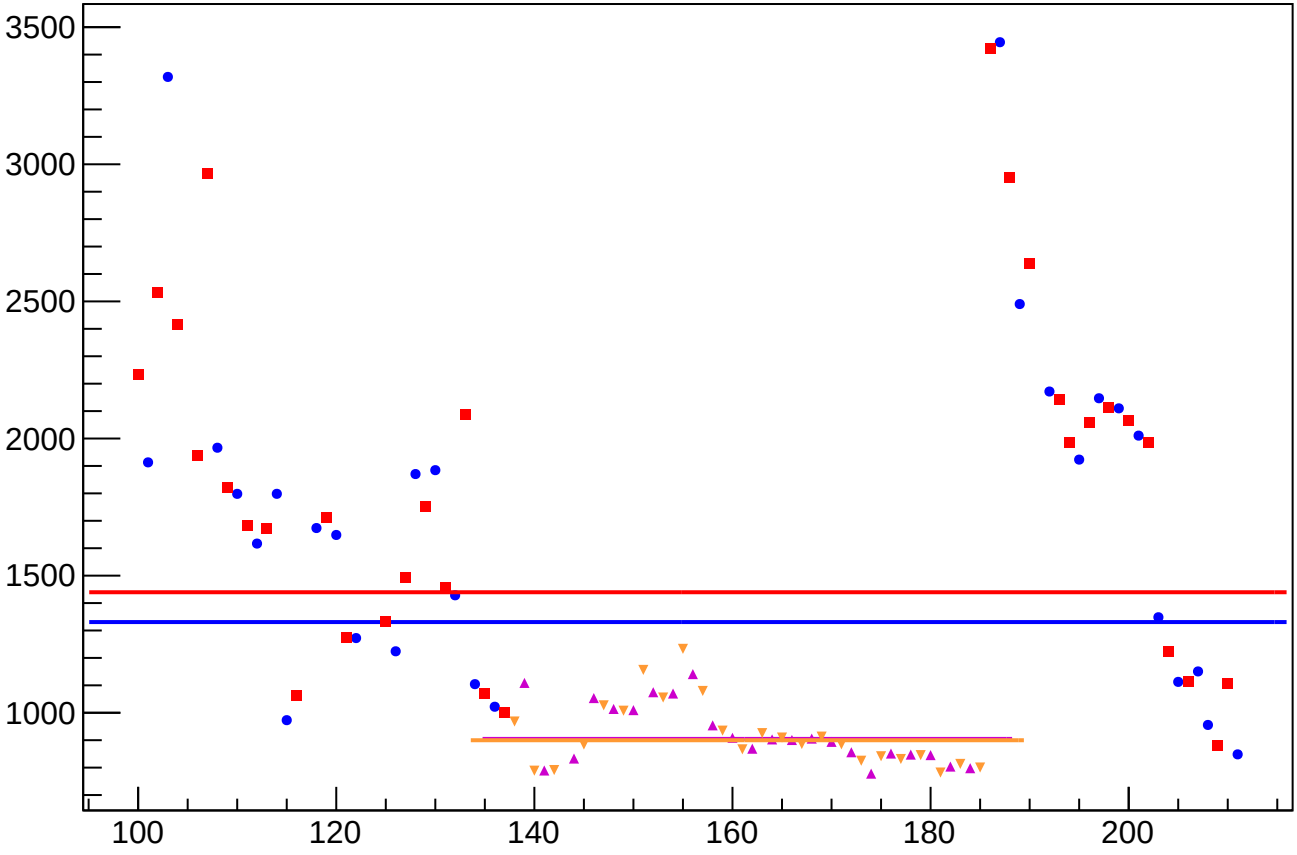
Left In: -53.905+/-212.966 χ^2/NDF:30.6/22

\+ sign -1053.778+/-180.273 χ^2/NDF: 96.6/51

All: -772.129+/-128.800 χ^2/NDF: 203.3/105

\- sign -478.426+/-184.090 χ^2/NDF: 101.7/53

asym_us_dd_at1lr_dd_dd_reg_correction_rms vs Slug



Right In: 1330.726+/-0.246 χ^2/NDF: 3579857.2/27

Left Out: 899.811+/-0.149 χ^2/NDF:495328.4/23

Right Out: 1439.473+/-0.259 χ^2/NDF: 3915461.0/30

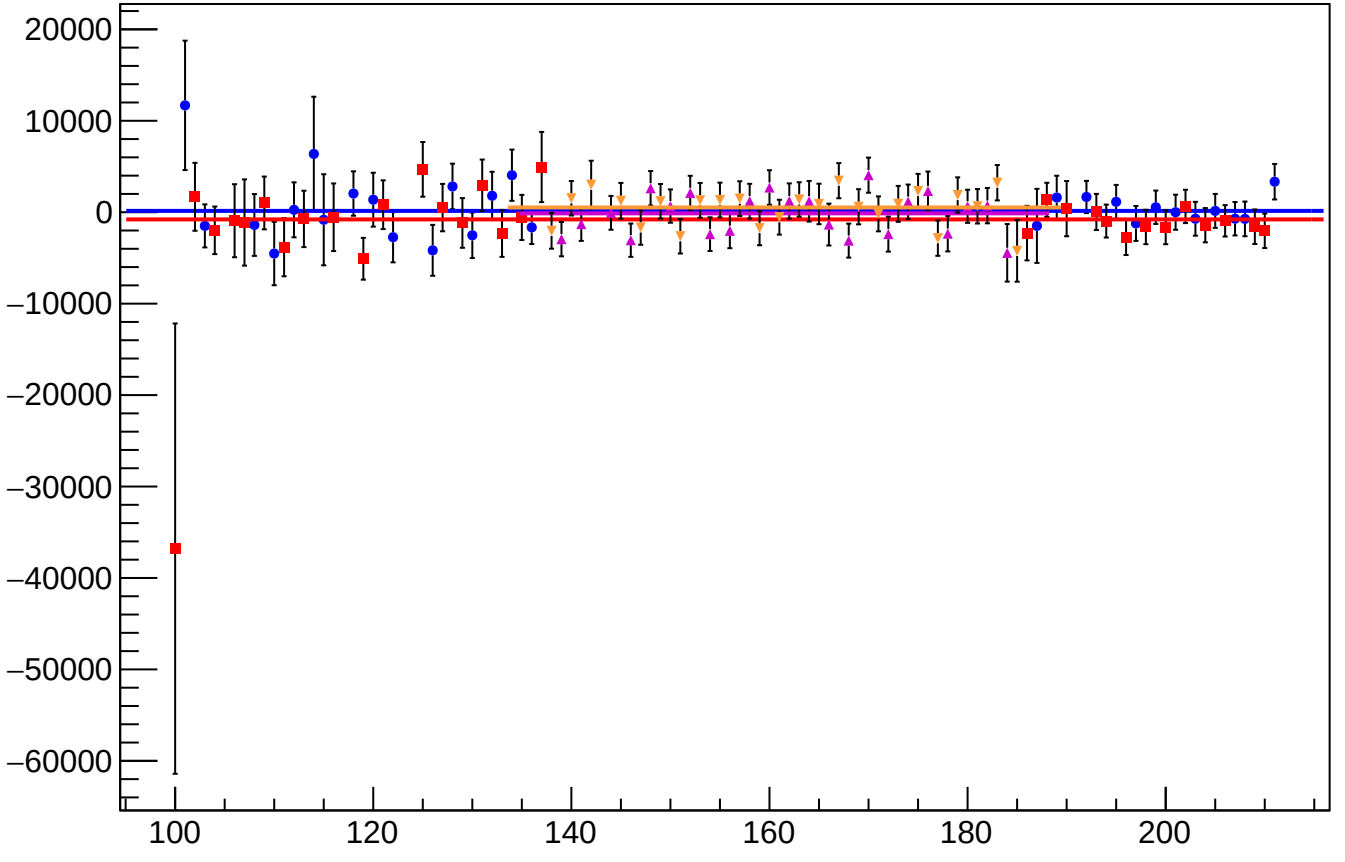
Left In: 904.656+/-0.151 χ^2/NDF:452251.7/22

+ sign 1015.737+/-0.127 χ^2/NDF: 6322399.1/51

All: 1027.544+/-0.091 χ^2/NDF: 13896183.5/1

- sign 1039.857+/-0.130 χ^2/NDF: 7556258.8/53

cor_asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: 145.295+/-442.321 χ^2/NDF: 21.6/27

Left Out: 519.957+/-401.705 χ^2/NDF:20.8/23

Right Out: -786.620+/-431.424 χ^2/NDF: 20.7/30

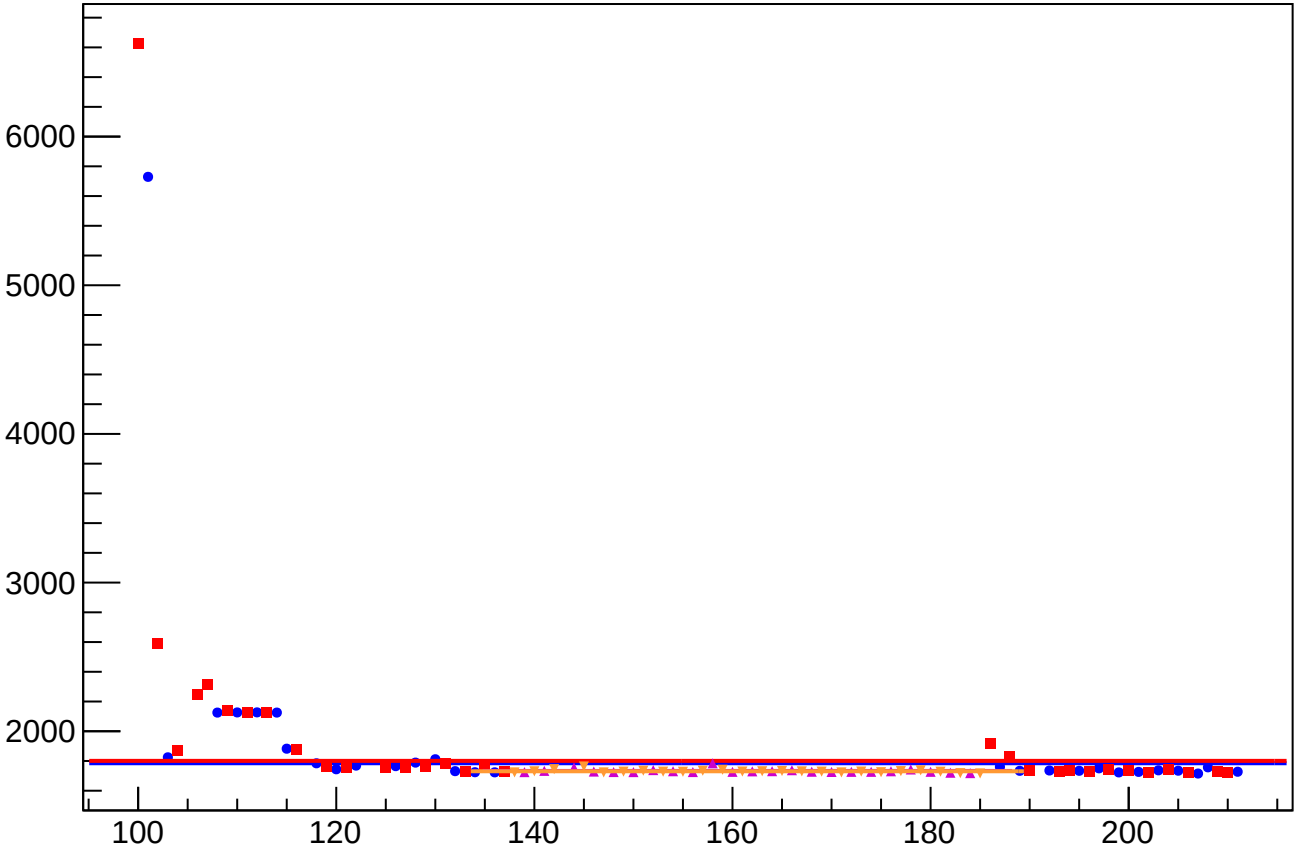
Left In: -126.091+/-404.630 χ^2/NDF:29.5/22

+ sign 350.613+/-297.373 χ^2/NDF: 42.7/51

All: -45.266+/-209.479 χ^2/NDF: 97.7/105

- sign -435.209+/-295.135 χ^2/NDF: 51.4/53

cor_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1784.804+/-0.313 χ^2/NDF: 715929.7/27

Left Out: 1730.847+/-0.284 χ^2/NDF:969.7/23

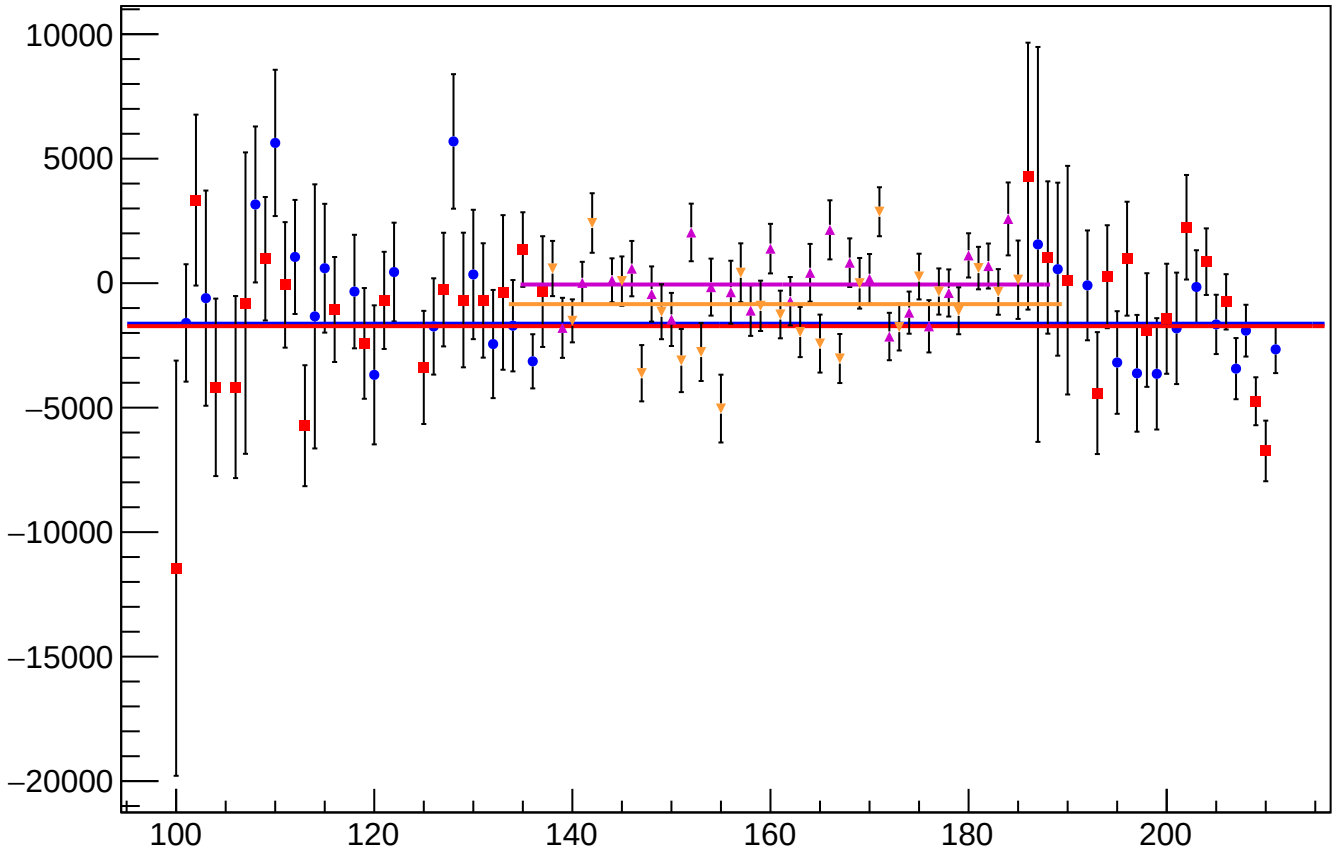
Right Out: 1800.769+/-0.305 χ^2/NDF: 327246.2/30

Left In: 1733.007+/-0.286 χ^2/NDF:2237.4/22

+ sign 1755.235+/-0.210 χ^2/NDF: 733209.1/51

All: 1760.013+/-0.148 χ^2/NDF: 1089967.0/10

- sign 1764.719+/-0.209 χ^2/NDF: 355733.1/53



Right In: -1628.314+/-347.554 χ^2/NDF: 30.1/27

Left Out: -842.473+/-210.853 χ^2/NDF:62.7/23

Right Out: -1727.296+/-366.362 χ^2/NDF: 56.1/30

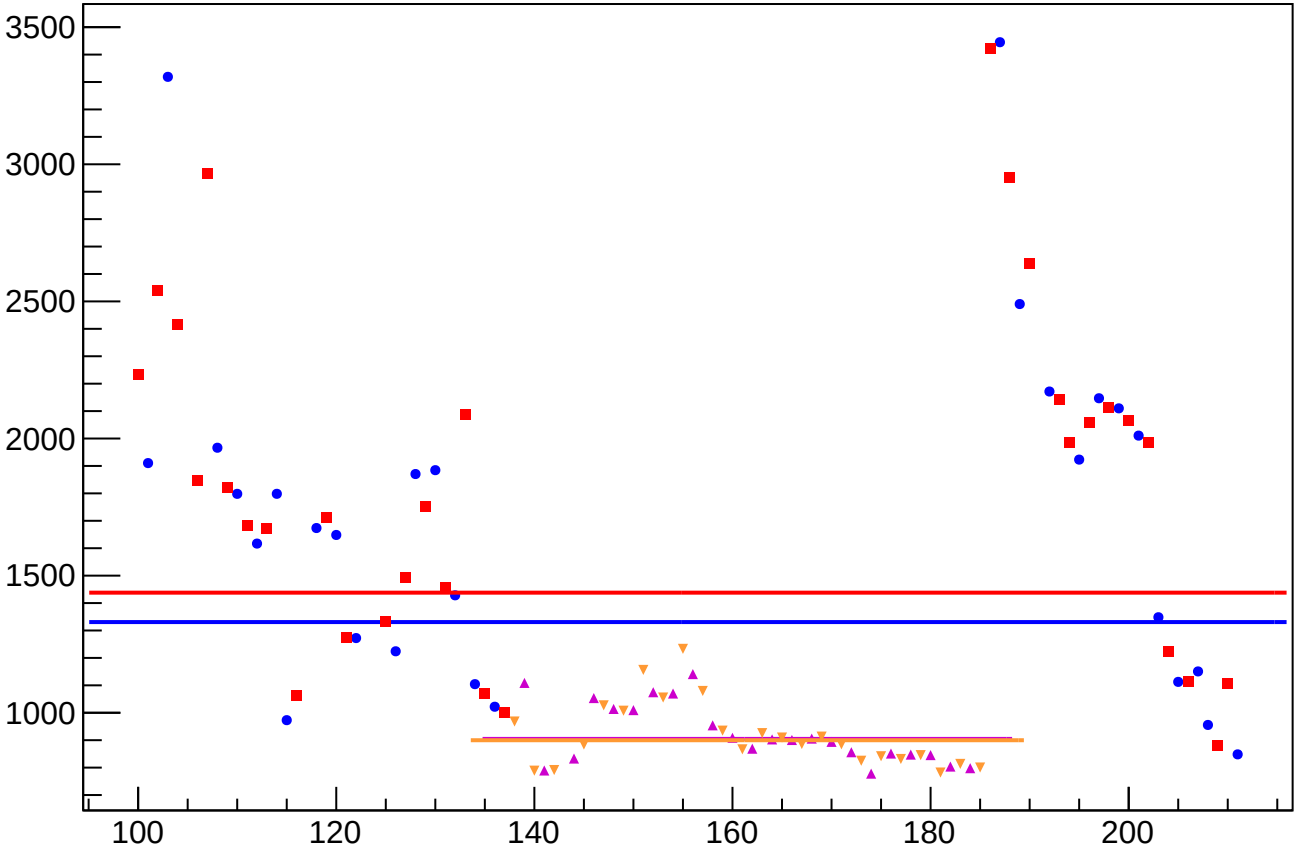
Left In: -53.927+/-212.965 χ^2/NDF:30.6/22

+ sign -1053.893+/-180.272 χ^2/NDF: 96.6/51

All: -771.320+/-128.810 χ^2/NDF: 203.9/105

- sign -476.560+/-184.118 χ^2/NDF: 102.3/53

asym_us_dd_at1lr_dd_dd_cor_correction_rms vs Slug



Right In: 1330.698+/-0.246 χ^2/NDF: 3579190.2/27

Left Out: 899.814+/-0.149 χ^2/NDF:495276.2/23

Right Out: 1437.959+/-0.259 χ^2/NDF: 3900232.6/30

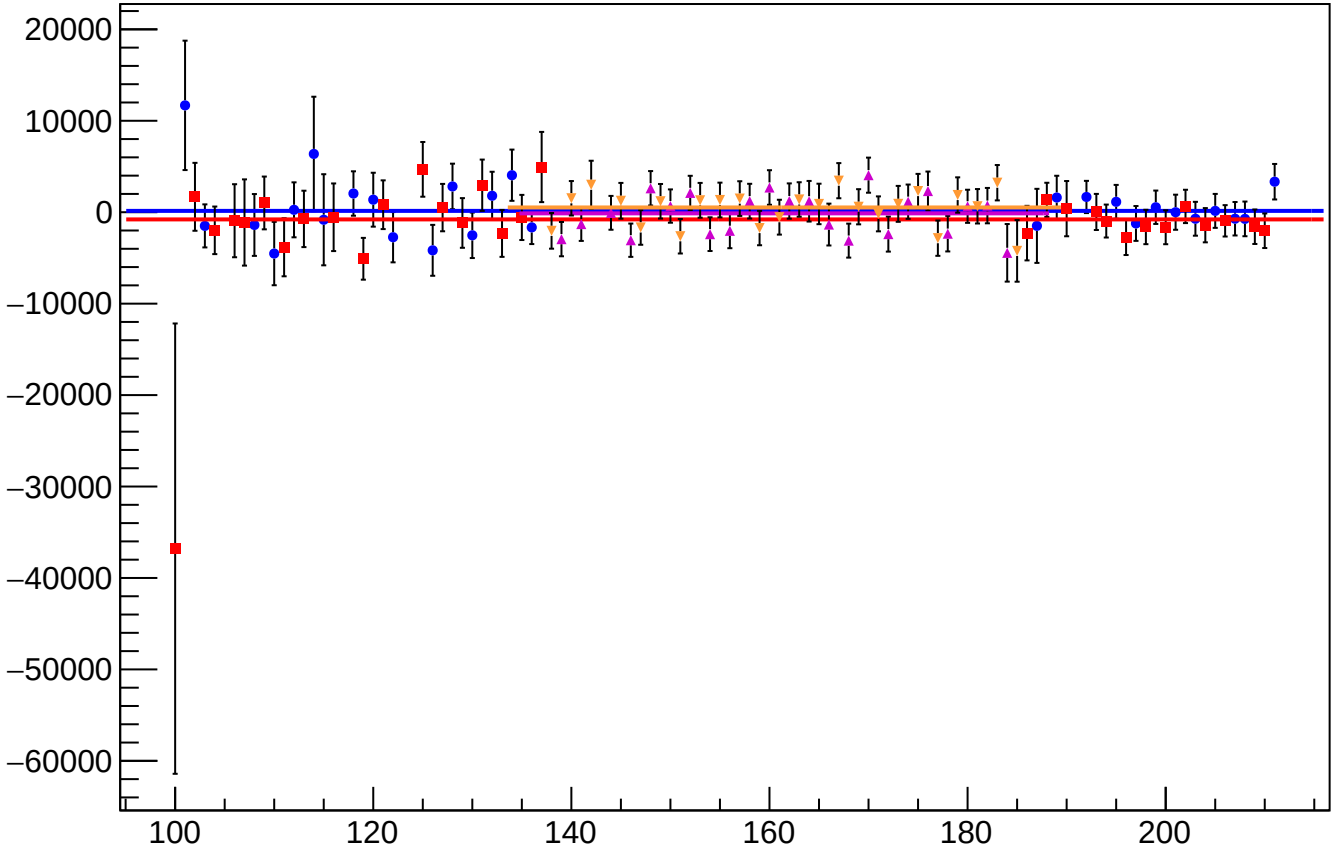
Left In: 904.653+/-0.151 χ^2/NDF:452259.2/22

+ sign 1015.738+/-0.127 χ^2/NDF: 6321458.7/51

All: 1027.293+/-0.091 χ^2/NDF: 13858387.9/1

- sign 1039.347+/-0.130 χ^2/NDF: 7520139.4/53

eigen_cor_asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: 145.295+/-442.321 χ^2/NDF: 21.6/27

Left Out: 519.957+/-401.705 χ^2/NDF:20.8/23

Right Out: -786.620+/-431.424 χ^2/NDF: 20.7/30

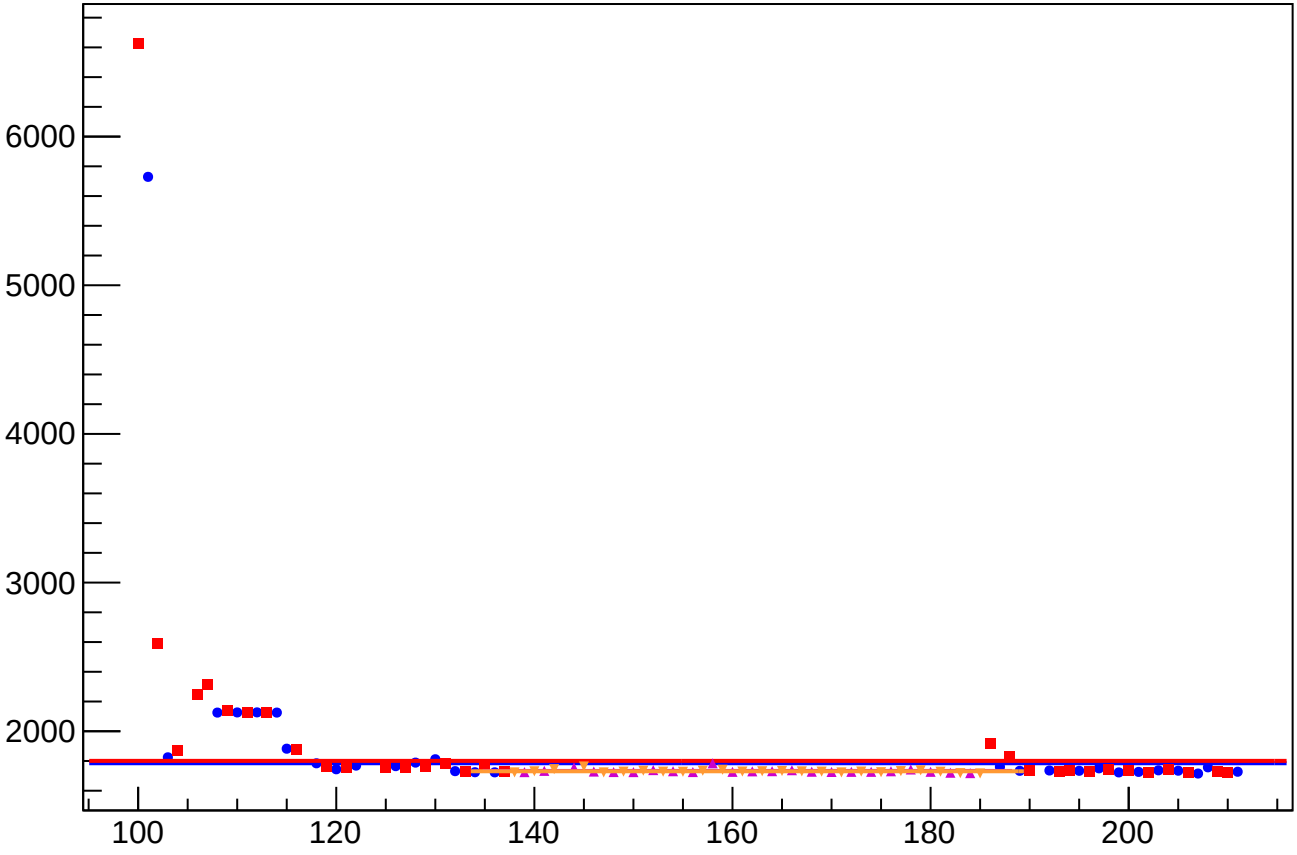
Left In: -126.091+/-404.630 χ^2/NDF:29.5/22

+ sign 350.613+/-297.373 χ^2/NDF: 42.7/51

All: -45.266+/-209.479 χ^2/NDF: 97.7/105

- sign -435.209+/-295.135 χ^2/NDF: 51.4/53

eigen_cor_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1784.804+/-0.313 χ^2/NDF: 715929.7/27

Left Out: 1730.847+/-0.284 χ^2/NDF:969.7/23

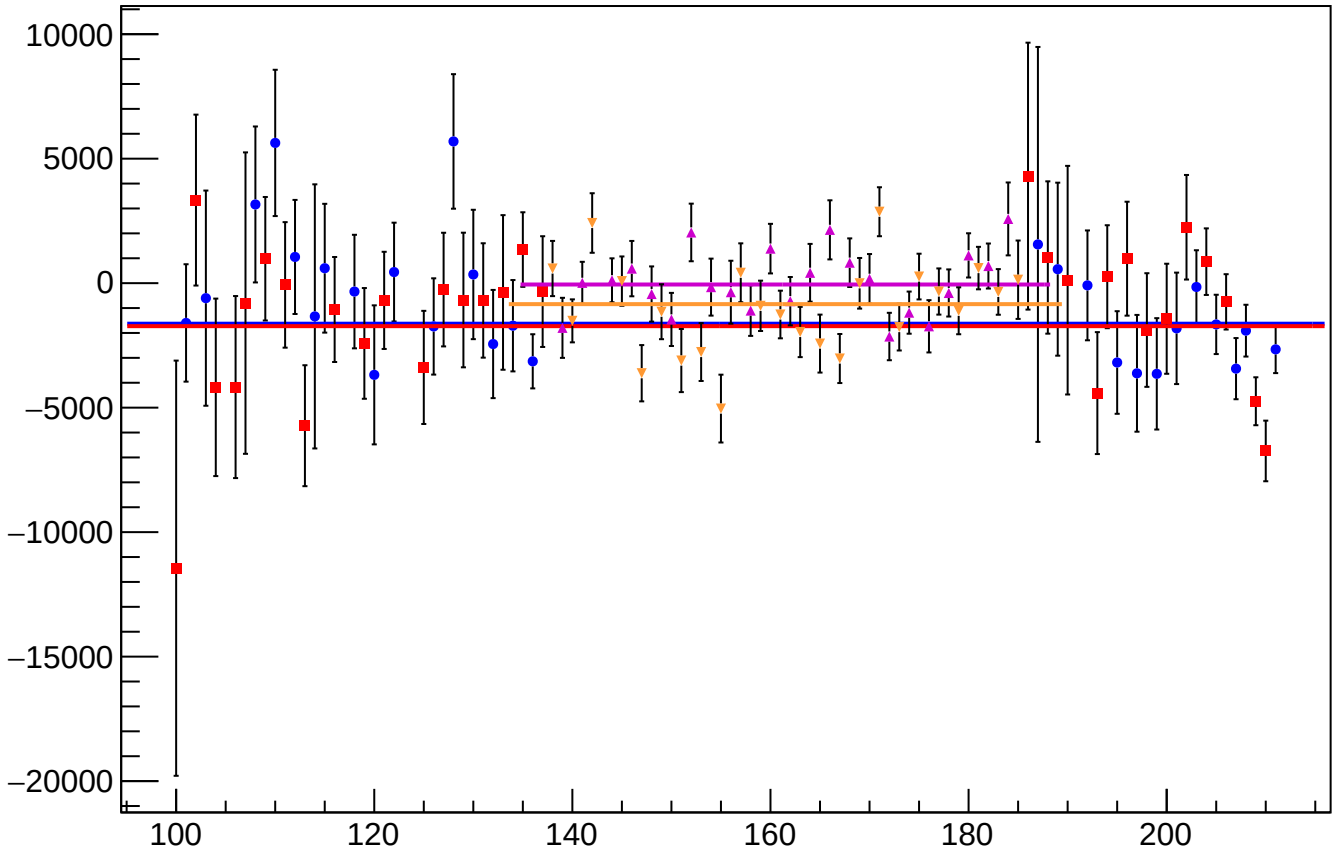
Right Out: 1800.769+/-0.305 χ^2/NDF: 327246.2/30

Left In: 1733.007+/-0.286 χ^2/NDF:2237.4/22

+ sign 1755.235+/-0.210 χ^2/NDF: 733209.1/51

All: 1760.013+/-0.148 χ^2/NDF: 1089967.0/10

- sign 1764.719+/-0.209 χ^2/NDF: 355733.1/53



Right In: -1628.314+/-347.554 χ^2/NDF: 30.1/27

Left Out: -842.473+/-210.853 χ^2/NDF:62.7/23

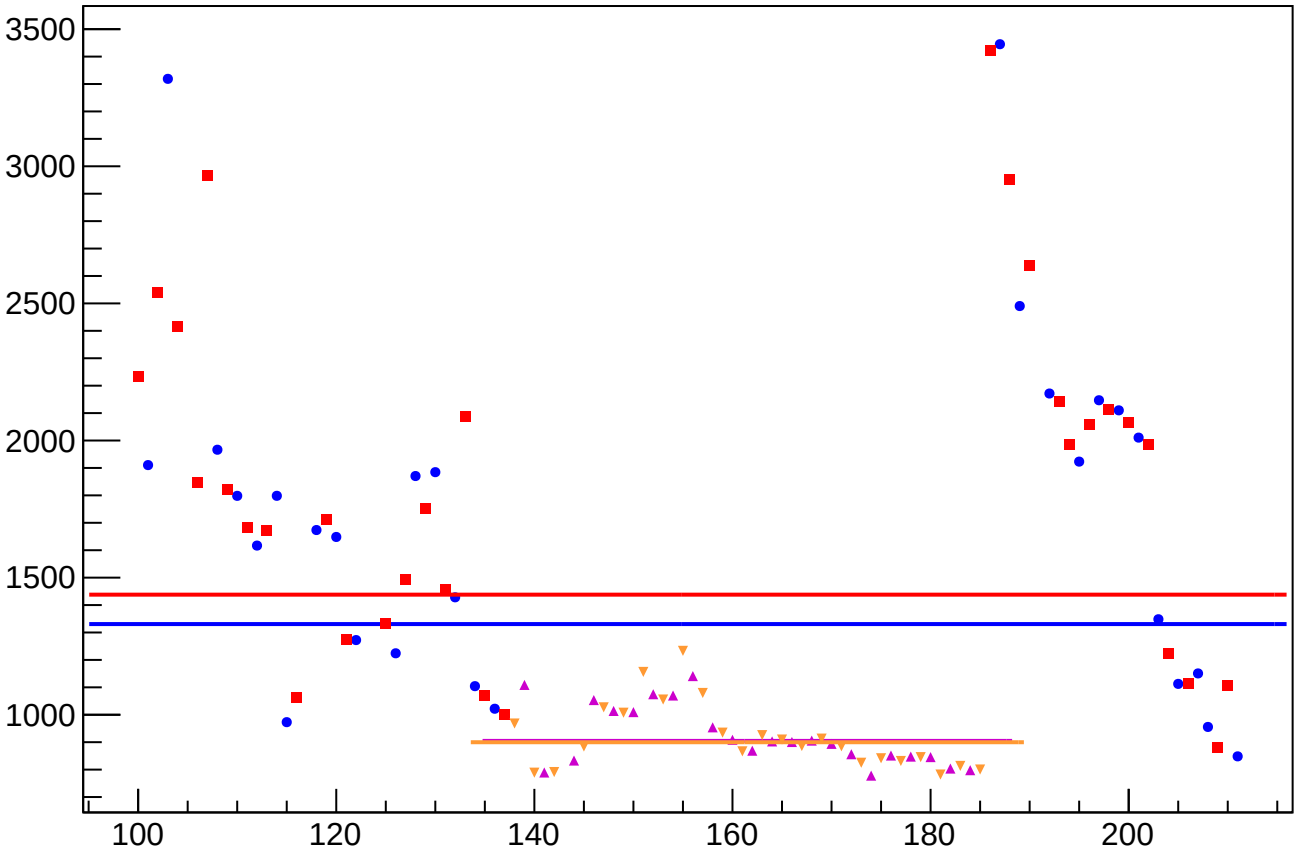
Right Out: -1727.296+/-366.362 χ^2/NDF: 56.1/30

Left In: -53.927+/-212.965 χ^2/NDF:30.6/22

+ sign -1053.893+/-180.272 χ^2/NDF: 96.6/51

All: -771.320+/-128.810 χ^2/NDF: 203.9/105

- sign -476.560+/-184.118 χ^2/NDF: 102.3/53



Right In: 1330.698+/-0.246 χ^2/NDF: 3579190.2/27

Left Out: 899.814+/-0.149 χ^2/NDF:495276.2/23

Right Out: 1437.959+/-0.259 χ^2/NDF: 3900232.6/30

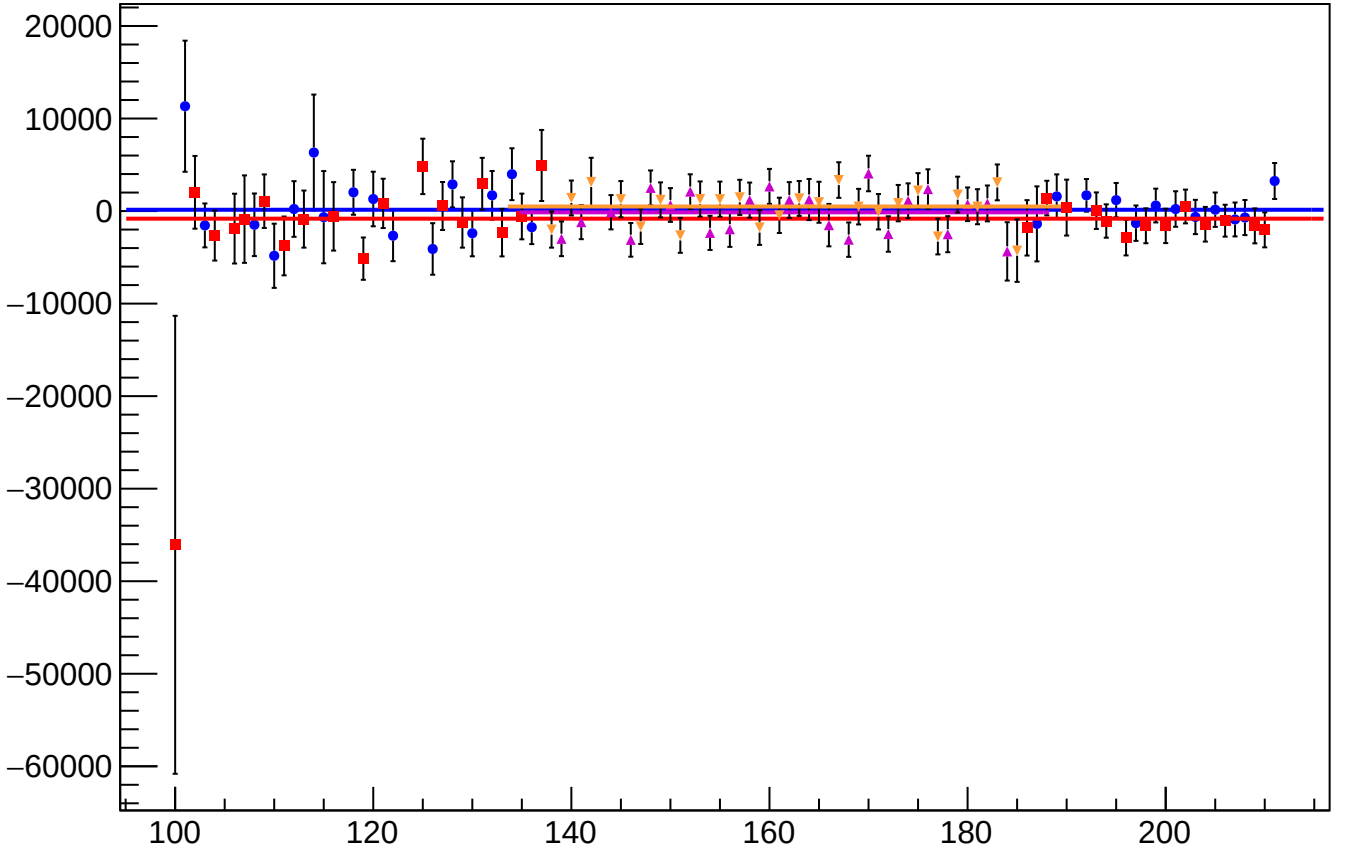
Left In: 904.653+/-0.151 χ^2/NDF:452259.2/22

+ sign 1015.738+/-0.127 χ^2/NDF: 6321458.7/51

All: 1027.293+/-0.091 χ^2/NDF: 13858387.9/1

- sign 1039.347+/-0.130 χ^2/NDF: 7520139.4/53

dit_asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: 141.017+/-442.795 χ^2/NDF: 21.5/27

Left Out: 494.897+/-402.069 χ^2/NDF:20.1/23

Right Out: -821.791+/-432.327 χ^2/NDF: 21.2/30

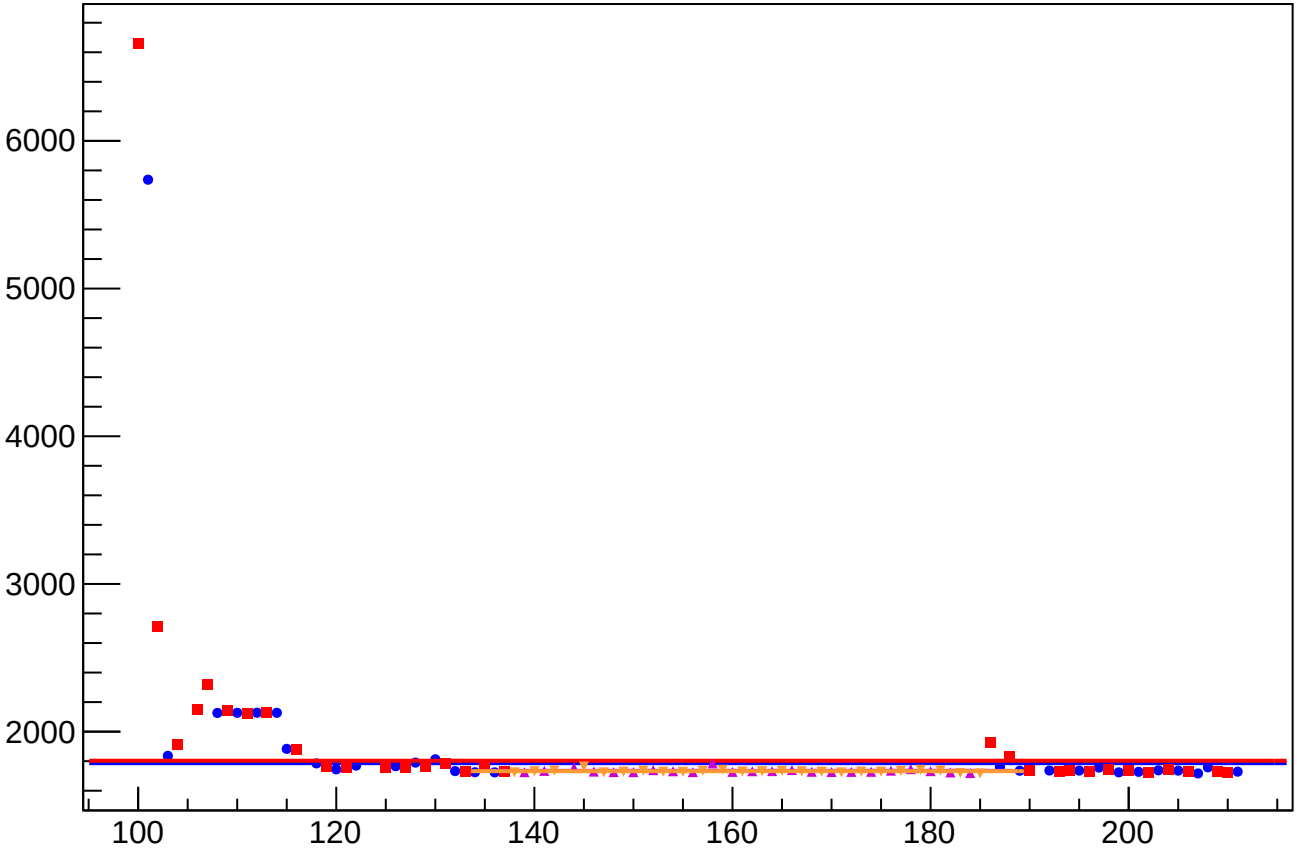
Left In: -137.162+/-404.995 χ^2/NDF:29.6/22

+ sign 334.976+/-297.665 χ^2/NDF: 41.9/51

All: -63.892+/-209.734 χ^2/NDF: 97.5/105

- sign -457.153+/-295.565 χ^2/NDF: 52.1/53

dit_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1786.591+/-0.313 χ^2/NDF: 716305.7/27

Left Out: 1732.389+/-0.284 χ^2/NDF:910.8/23

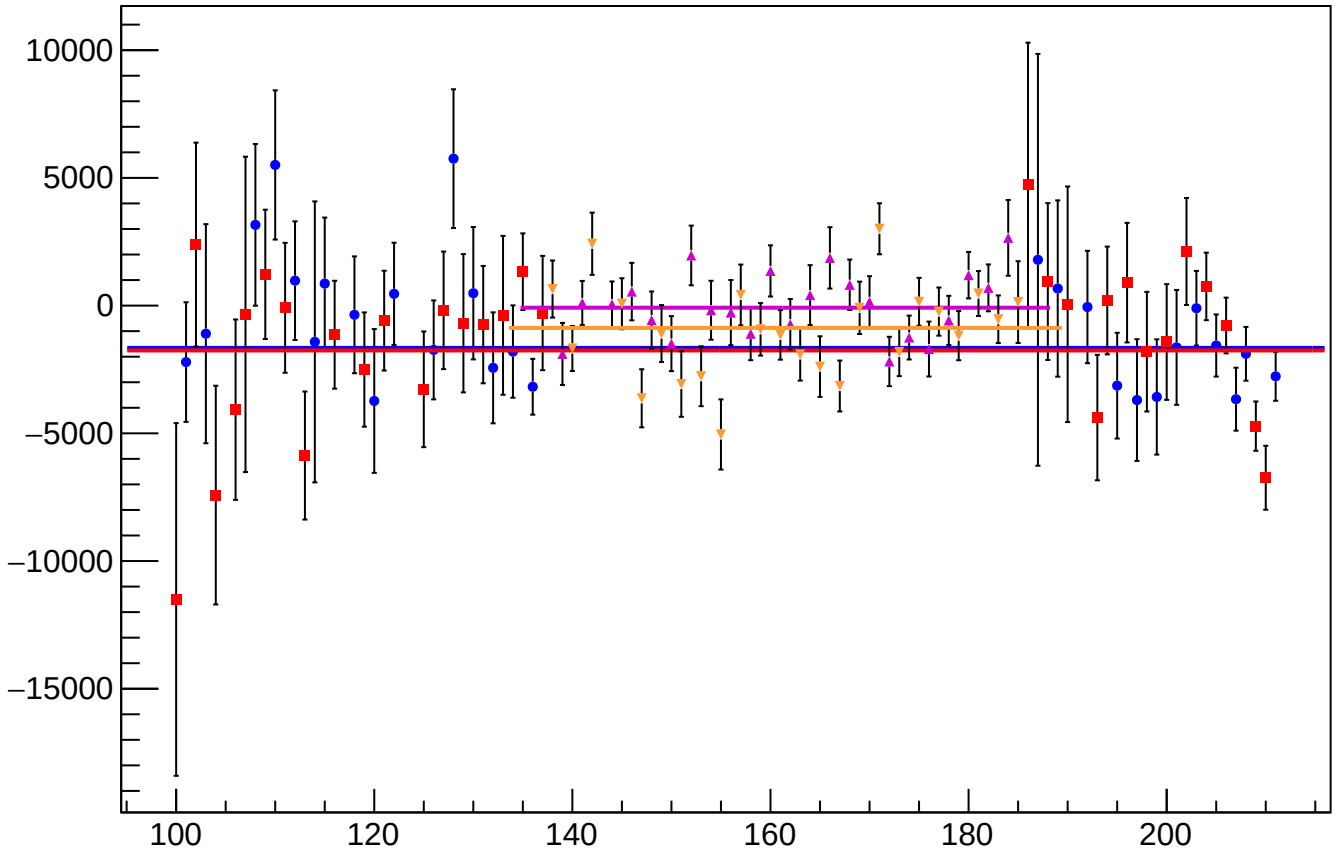
Right Out: 1803.088+/-0.306 χ^2/NDF: 337938.0/30

Left In: 1734.568+/-0.286 χ^2/NDF:2215.7/22

+ sign 1756.883+/-0.210 χ^2/NDF: 733641.6/51

All: 1761.773+/-0.148 χ^2/NDF: 1101624.5/10

- sign 1766.594+/-0.209 χ^2/NDF: 366911.1/53



Right In: -1655.934+/-349.147 χ^2/NDF: 31.1/27

Left Out: -872.827+/-214.008 χ^2/NDF:62.0/23

Right Out: -1754.686+/-369.024 χ^2/NDF: 55.2/30

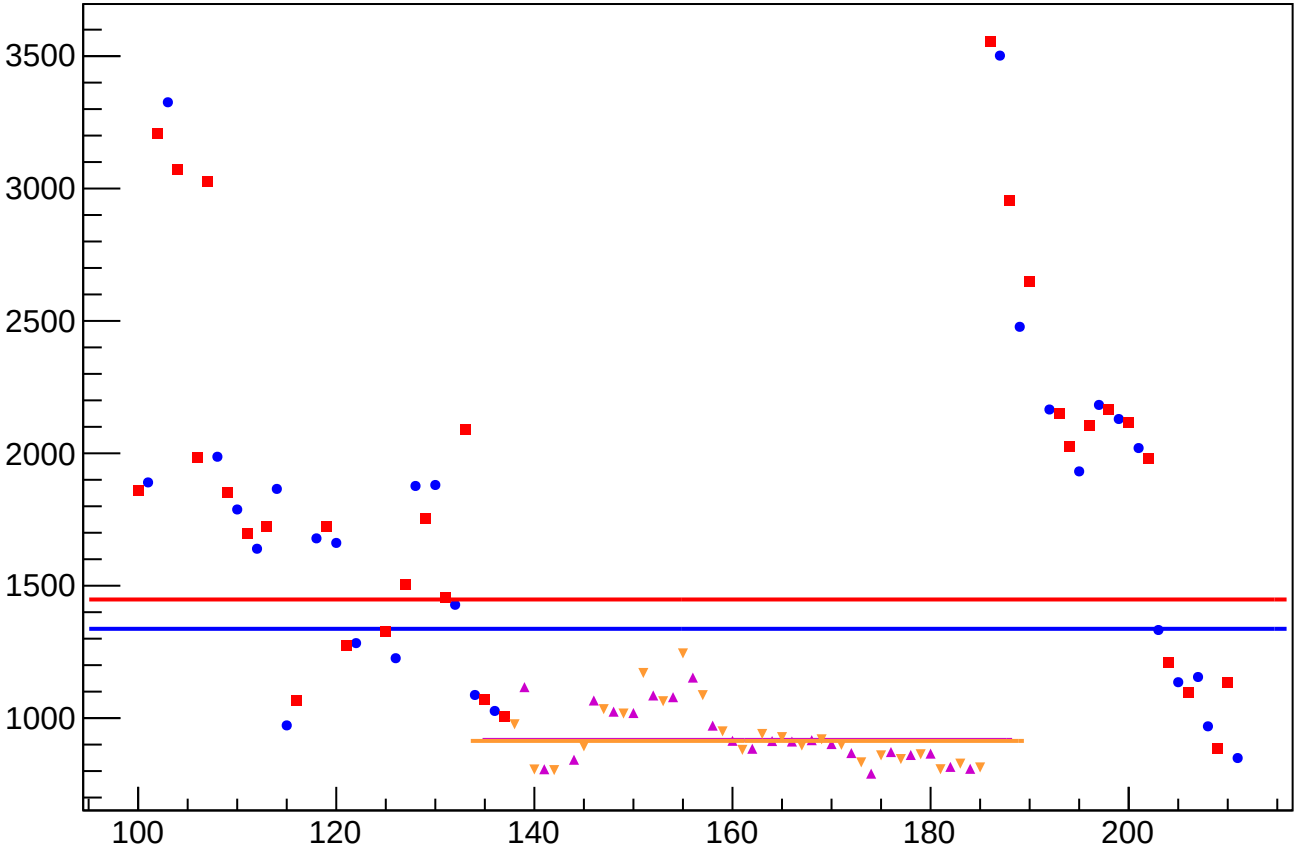
Left In: -81.519+/-215.913 χ^2/NDF:30.0/22

+ sign -1086.692+/-182.460 χ^2/NDF: 96.8/51

All: -803.573+/-130.375 χ^2/NDF: 202.2/105

- sign -508.226+/-186.358 χ^2/NDF: 100.4/53

asym_us_dd_at1lr_dd_dd_dit_correction_rms vs Slug



Right In: 1337.188+/-0.247 χ^2/NDF: 3572013.8/27

Left Out: 913.899+/-0.151 χ^2/NDF:462850.2/23

Right Out: 1447.977+/-0.261 χ^2/NDF: 4335504.8/30

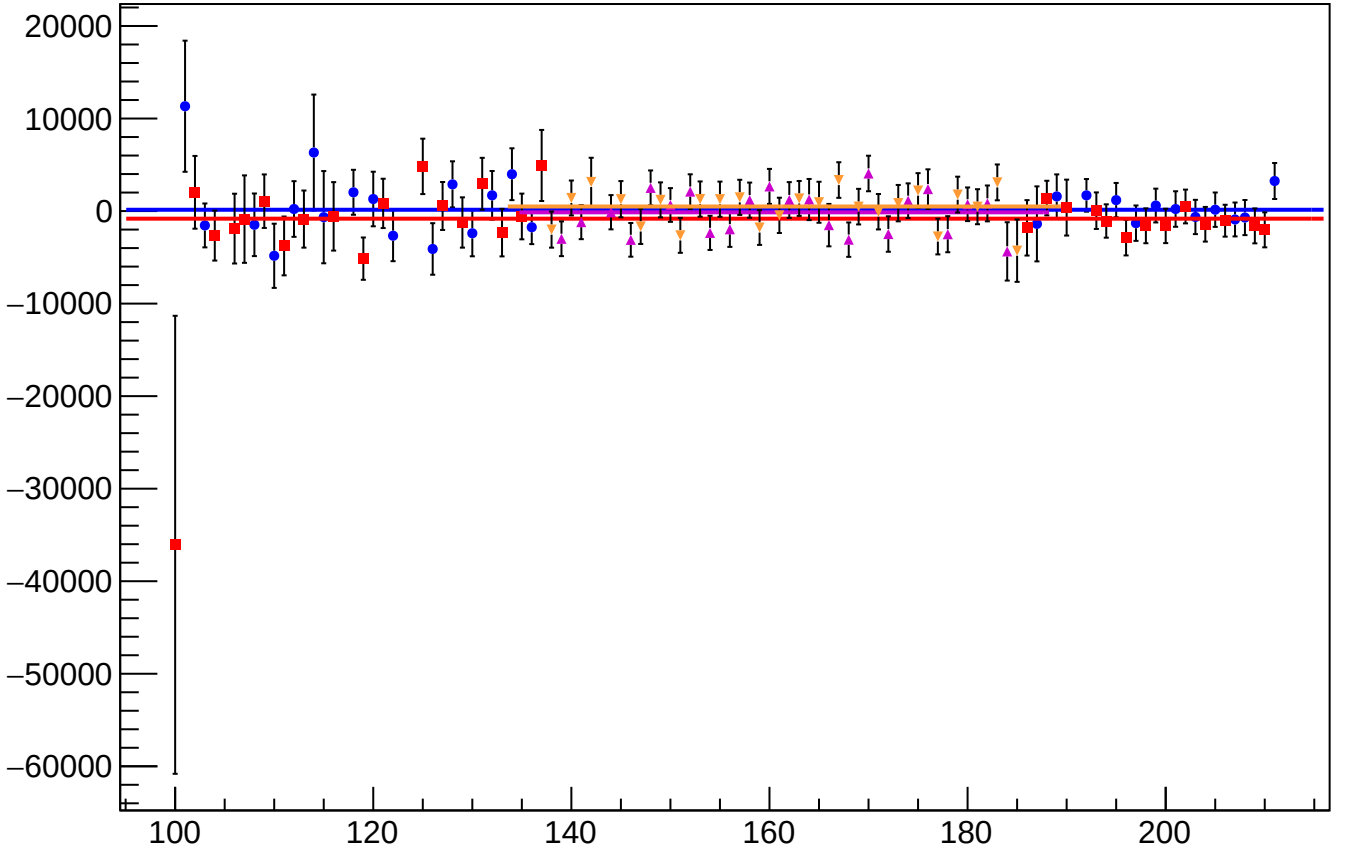
Left In: 917.674+/-0.153 χ^2/NDF:430498.5/22

+ sign 1029.498+/-0.129 χ^2/NDF: 6171665.0/51

All: 1040.960+/-0.092 χ^2/NDF: 14030660.4/1

- sign 1052.917+/-0.132 χ^2/NDF: 7842870.0/53

eigen_dit_asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: 141.018+/-442.795 χ^2/NDF: 21.5/27

Left Out: 494.897+/-402.069 χ^2/NDF:20.1/23

Right Out: -821.790+/-432.327 χ^2/NDF: 21.2/30

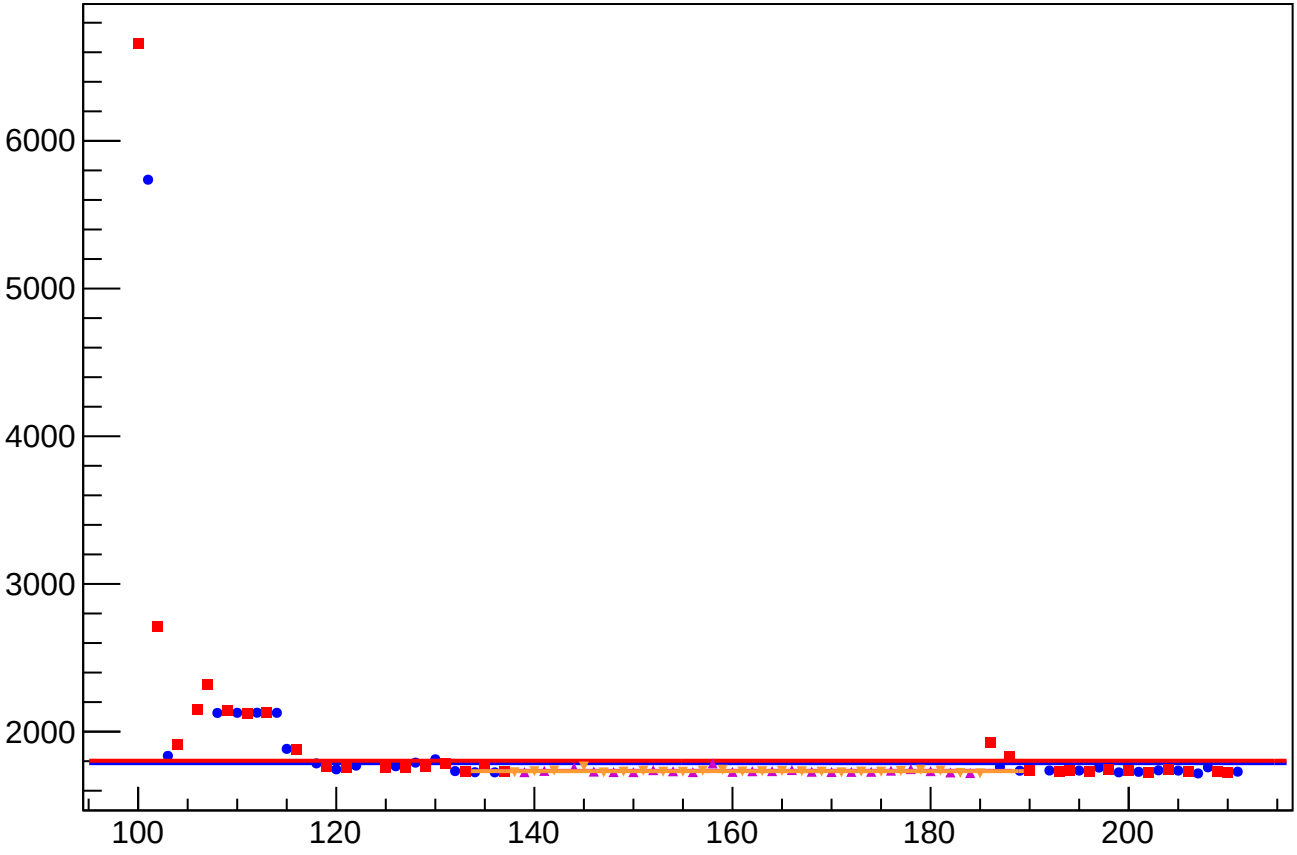
Left In: -137.163+/-404.995 χ^2/NDF:29.6/22

+ sign 334.977+/-297.665 χ^2/NDF: 41.9/51

All: -63.892+/-209.734 χ^2/NDF: 97.5/105

- sign -457.152+/-295.565 χ^2/NDF: 52.1/53

eigen_dit_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1786.591+/-0.313 χ^2/NDF: 716305.7/27

Left Out: 1732.389+/-0.284 χ^2/NDF:910.8/23

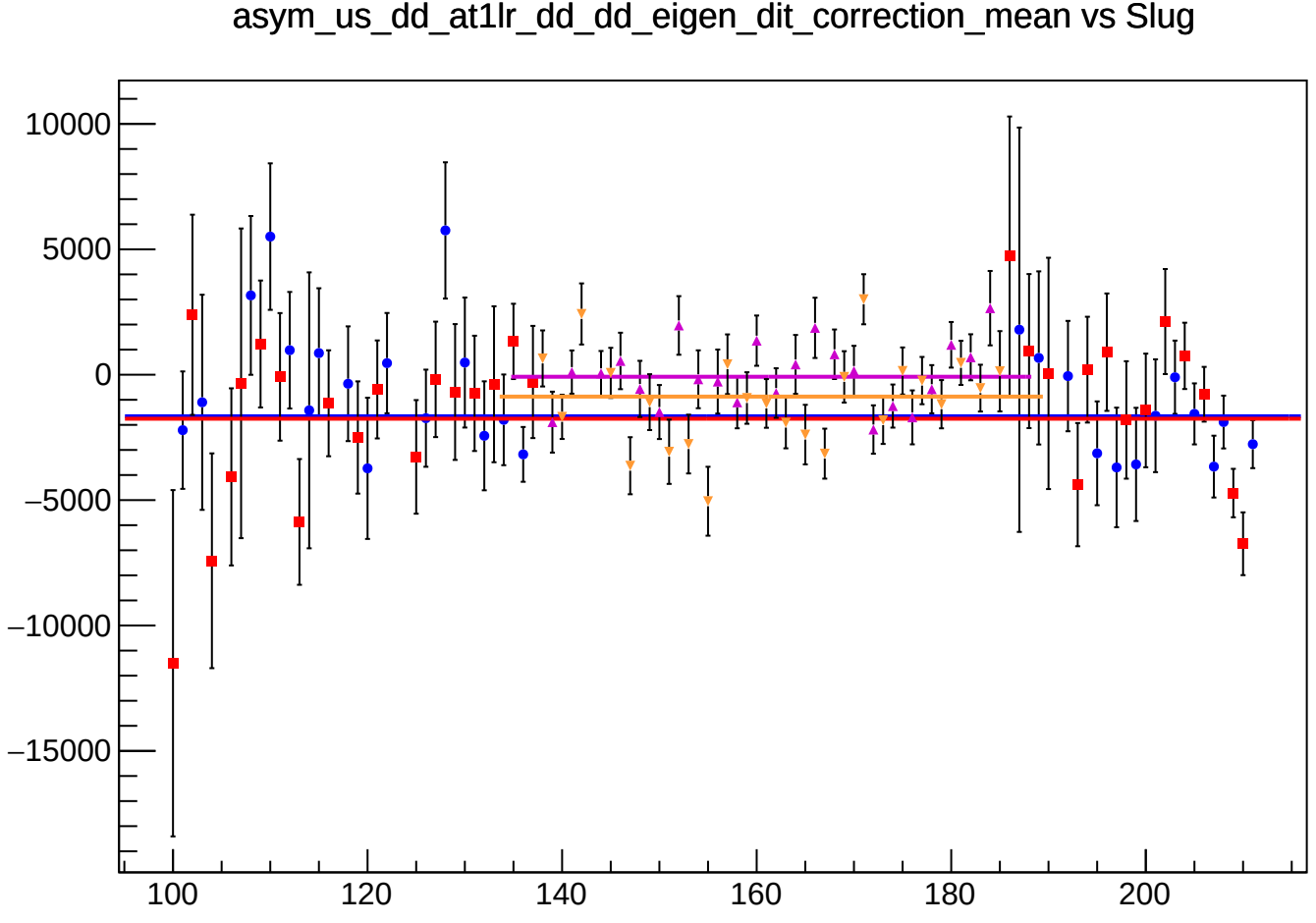
Right Out: 1803.088+/-0.306 χ^2/NDF: 337937.7/30

Left In: 1734.568+/-0.286 χ^2/NDF:2215.7/22

+ sign 1756.883+/-0.210 χ^2/NDF: 733641.6/51

All: 1761.773+/-0.148 χ^2/NDF: 1101624.2/10

- sign 1766.594+/-0.209 χ^2/NDF: 366910.8/53



Right In: -1655.929+/-349.147 χ^2/NDF: 31.1/27

Left Out: -872.826+/-214.008 χ^2/NDF:62.0/23

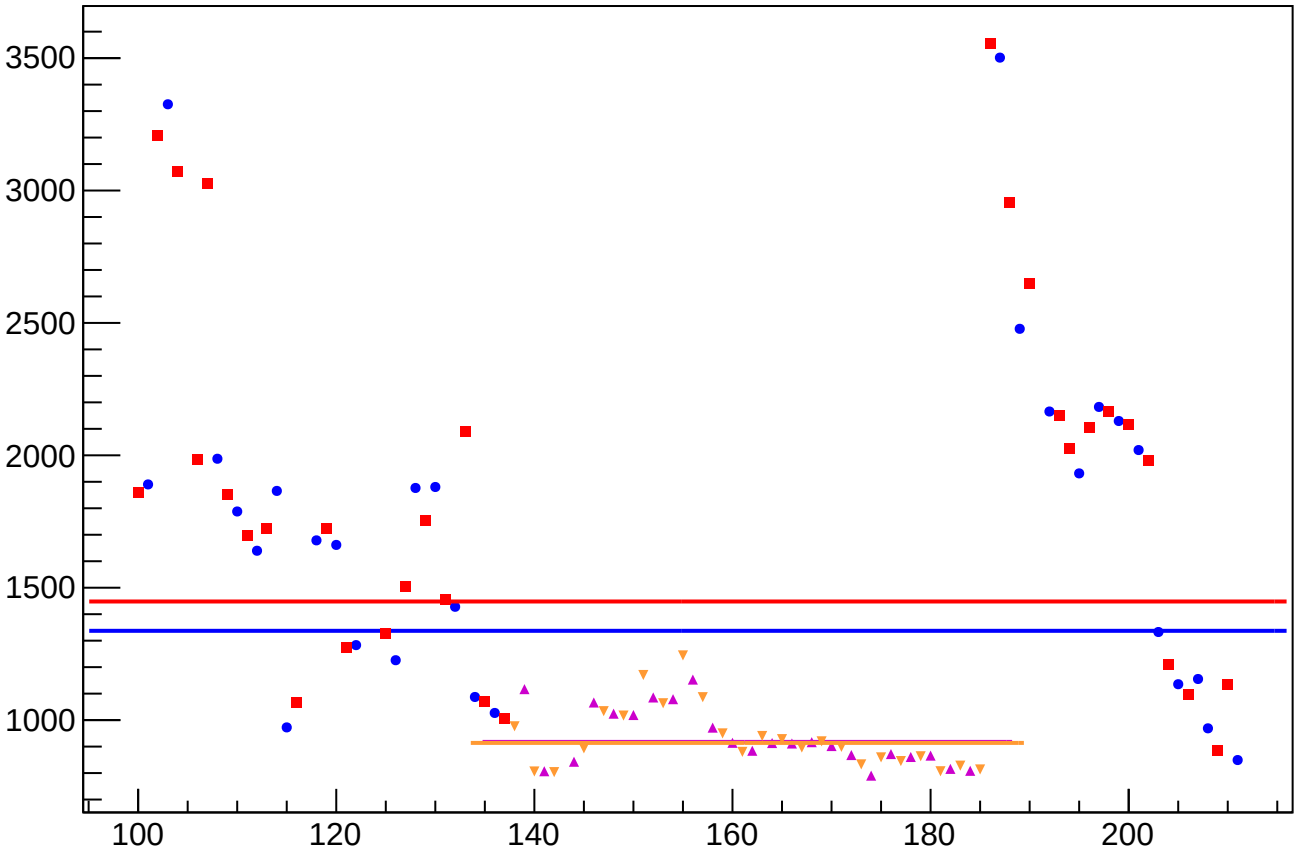
Right Out: -1754.688+/-369.023 χ^2/NDF: 55.2/30

Left In: -81.518+/-215.913 χ^2/NDF:30.0/22

+ sign -1086.690+/-182.460 χ^2/NDF: 96.8/51

All: -803.572+/-130.375 χ^2/NDF: 202.2/105

- sign -508.226+/-186.358 χ^2/NDF: 100.4/53



Right In: 1337.187+/-0.247 χ^2/NDF: 3572007.9/27

Left Out: 913.898+/-0.151 χ^2/NDF:462858.6/23

Right Out: 1447.974+/-0.261 χ^2/NDF: 4335522.1/30

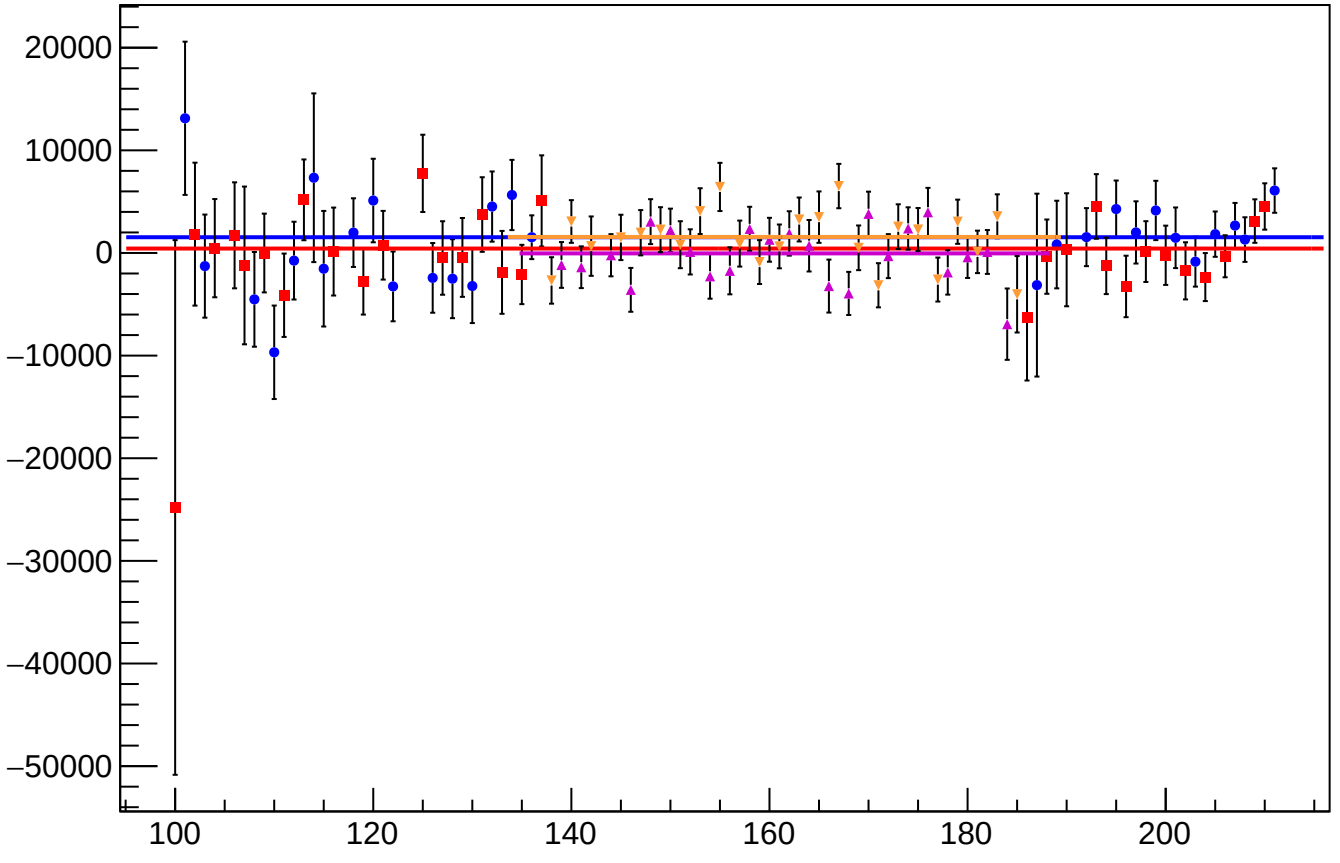
Left In: 917.674+/-0.153 χ^2/NDF:430509.1/22

+ sign 1029.498+/-0.129 χ^2/NDF: 6171664.7/51

All: 1040.959+/-0.092 χ^2/NDF: 14030669.0/1

- sign 1052.916+/-0.132 χ^2/NDF: 7842879.4/53

asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: 1533.509+/-597.888 χ^2/NDF: 28.6/27

Left Out: 1561.357+/-456.883 χ^2/NDF:31.2/23

Right Out: 430.738+/-601.693 χ^2/NDF: 23.7/30

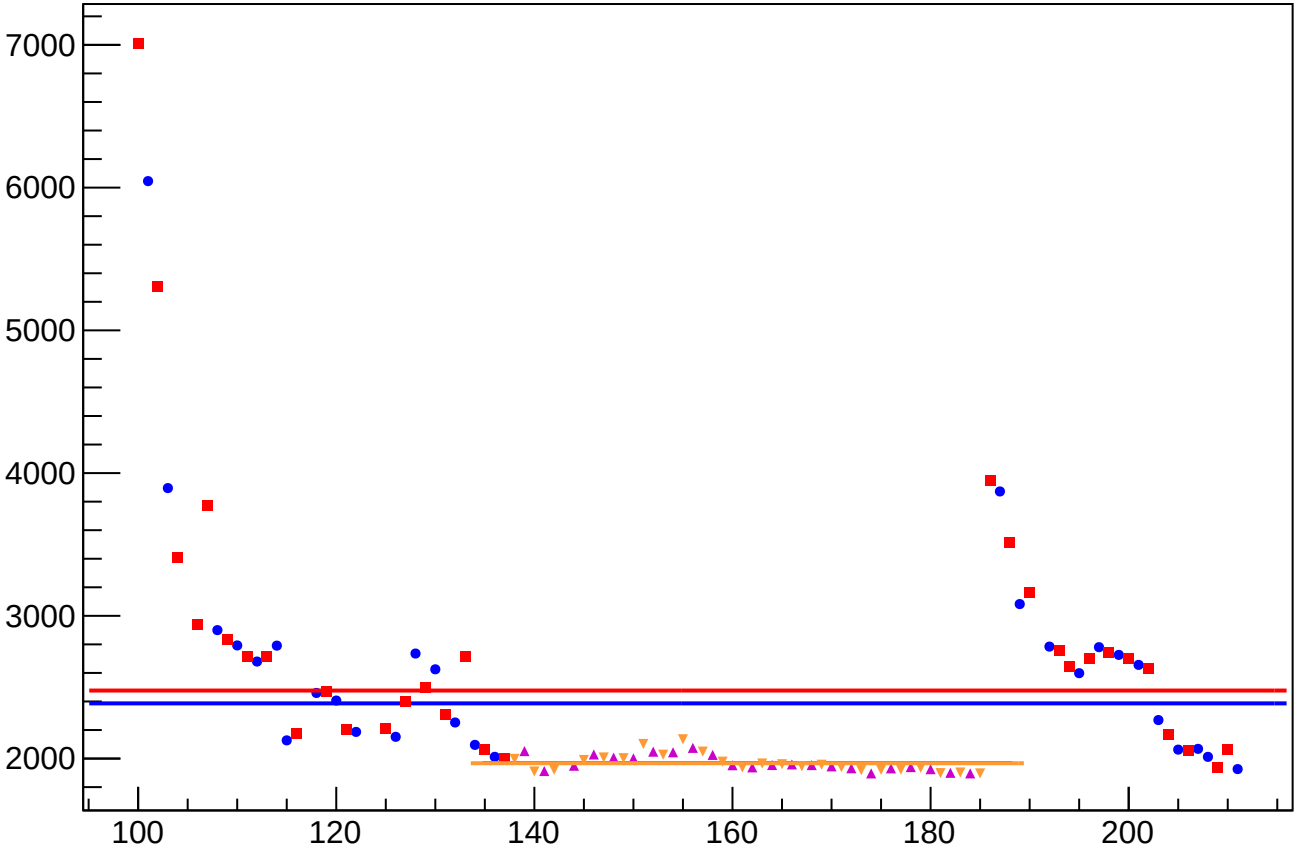
Left In: -39.885+/-459.938 χ^2/NDF:27.8/22

+ sign 1551.090+/-363.024 χ^2/NDF: 59.9/51

All: 847.028+/-257.535 χ^2/NDF: 119.3/105

- sign 133.687+/-365.408 χ^2/NDF: 51.9/53

asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 2386.688+/-0.423 χ^2/NDF: 1321699.6/27

Left Out: 1967.416+/-0.323 χ^2/NDF:34217.6/23

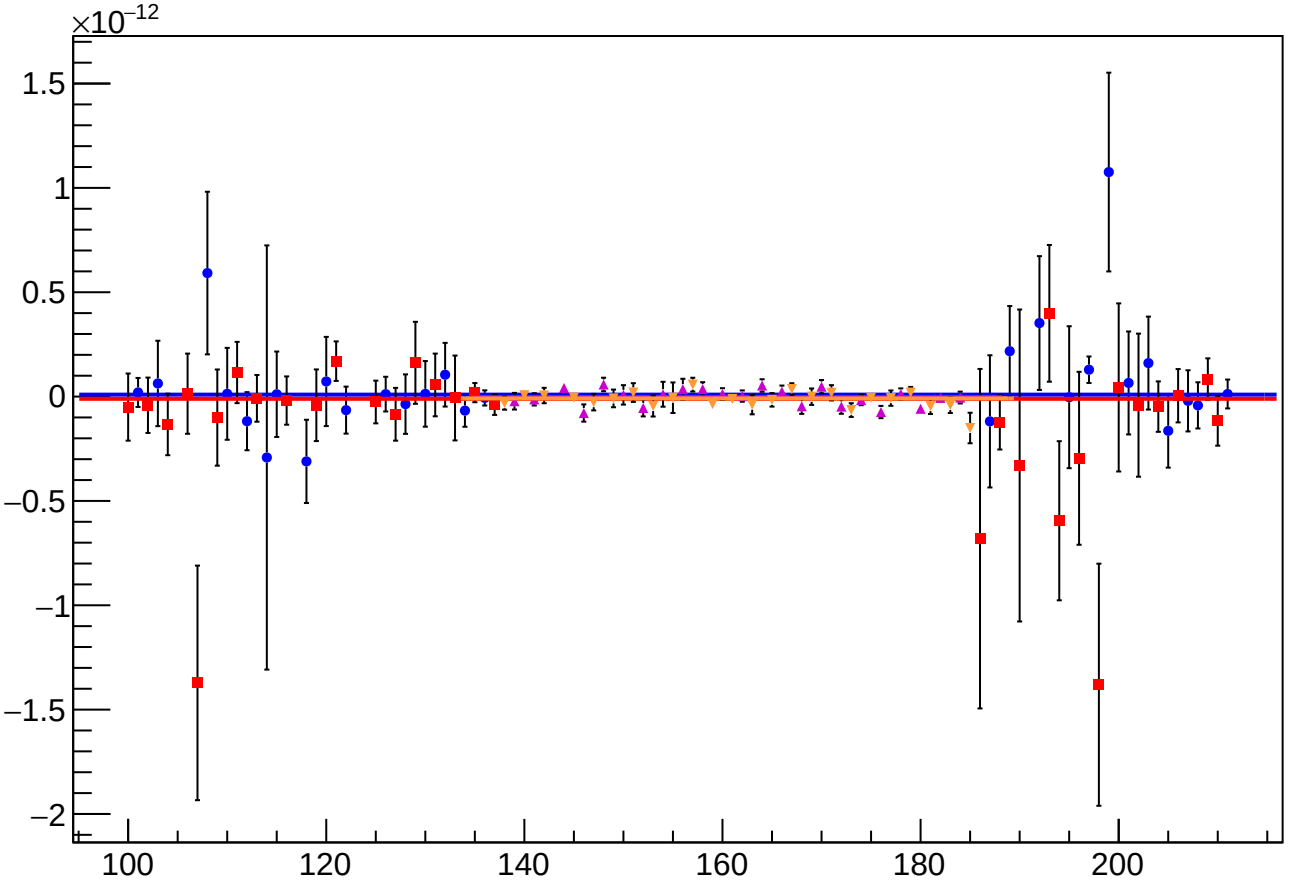
Right Out: 2476.592+/-0.425 χ^2/NDF: 1372931.3/30

Left In: 1969.022+/-0.325 χ^2/NDF:26523.0/22

\+ sign 2121.986+/-0.257 χ^2/NDF: 1976848.1/51

All: 2138.991+/-0.182 χ^2/NDF: 4283458.4/10

\- sign 2156.221+/-0.258 χ^2/NDF: 2297775.1/53



Right In: 0.000+/-0.000 χ^2/NDF: 20.5/27

Left Out: -0.000+/-0.000 χ^2/NDF:20.8/23

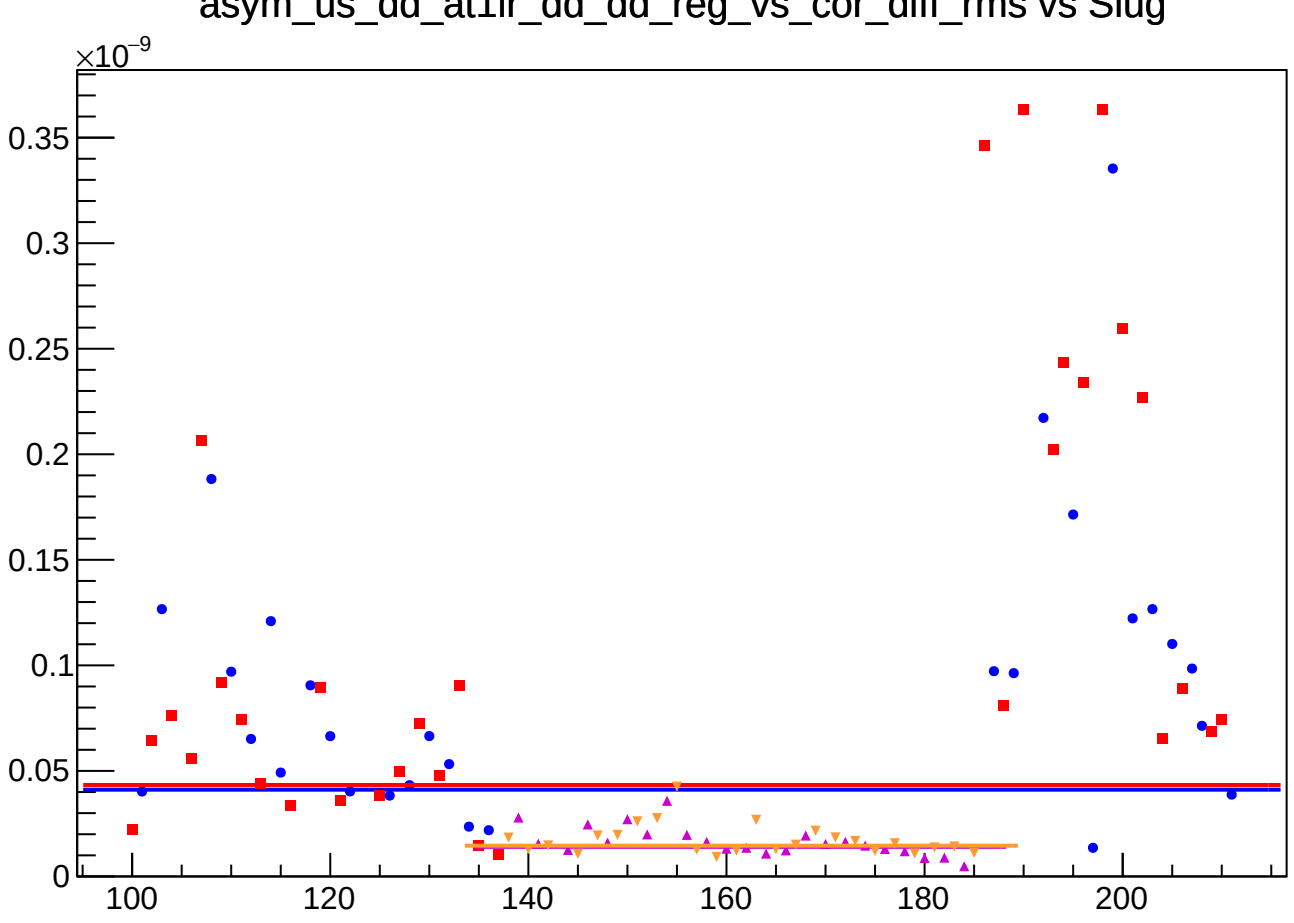
Right Out: -0.000+/-0.000 χ^2/NDF: 26.7/30

Left In: -0.000+/-0.000 χ^2/NDF:38.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 42.0/51

All: -0.000+/-0.000 χ^2/NDF: 108.0/105

- sign -0.000+/-0.000 χ^2/NDF: 65.8/53



Right In: 0.000+/-0.000 χ^2/NDF: 5224842.9/27

Left Out: 0.000+/-0.000 χ^2/NDF:1178225.5/23

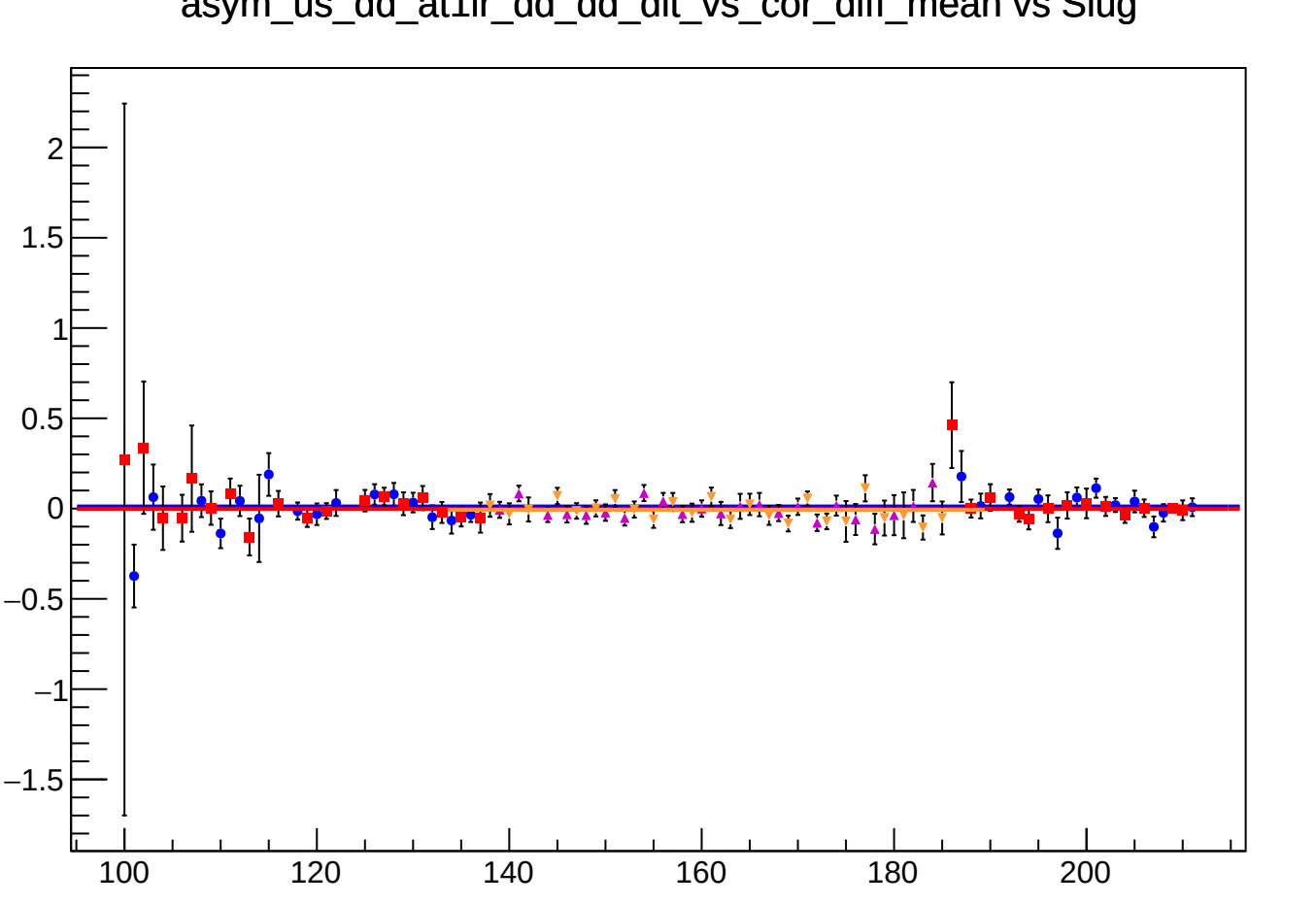
Right Out: 0.000+/-0.000 χ^2/NDF: 7152709.6/30

Left In: 0.000+/-0.000 χ^2/NDF:1430937.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 9440007.1/51

All: 0.000+/-0.000 χ^2/NDF: 21348405.5/105

- sign 0.000+/-0.000 χ^2/NDF: 11895828.3/53



Right In: 0.012+/-0.012 χ^2/NDF: 33.3/27

Left Out: -0.007+/-0.011 χ^2/NDF:23.9/23

Right Out: -0.003+/-0.011 χ^2/NDF: 17.9/30

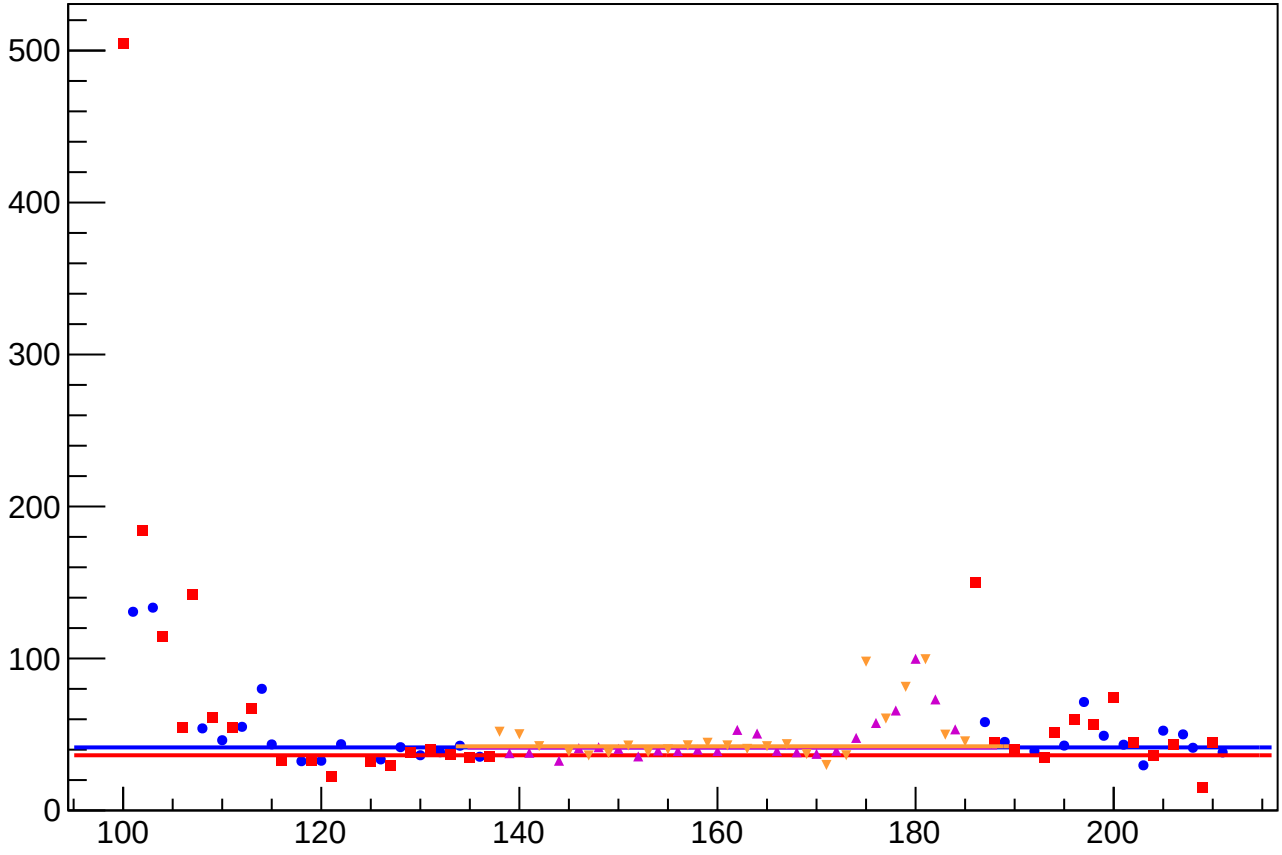
Left In: -0.006+/-0.011 χ^2/NDF:20.1/22

+ sign 0.002+/-0.008 χ^2/NDF: 58.5/51

All: -0.001+/-0.005 χ^2/NDF: 97.0/105

- sign -0.004+/-0.008 χ^2/NDF: 38.1/53

asym_us_dd_at1lr_dd_dd_dit_vs_cor_diff_rms vs Slug



Right In: 41.485+/-0.008 χ^2/NDF: 2047918.4/27

Left Out: 42.208+/-0.008 χ^2/NDF:1819371.1/23

Right Out: 36.305+/-0.008 χ^2/NDF: 4874029.6/30

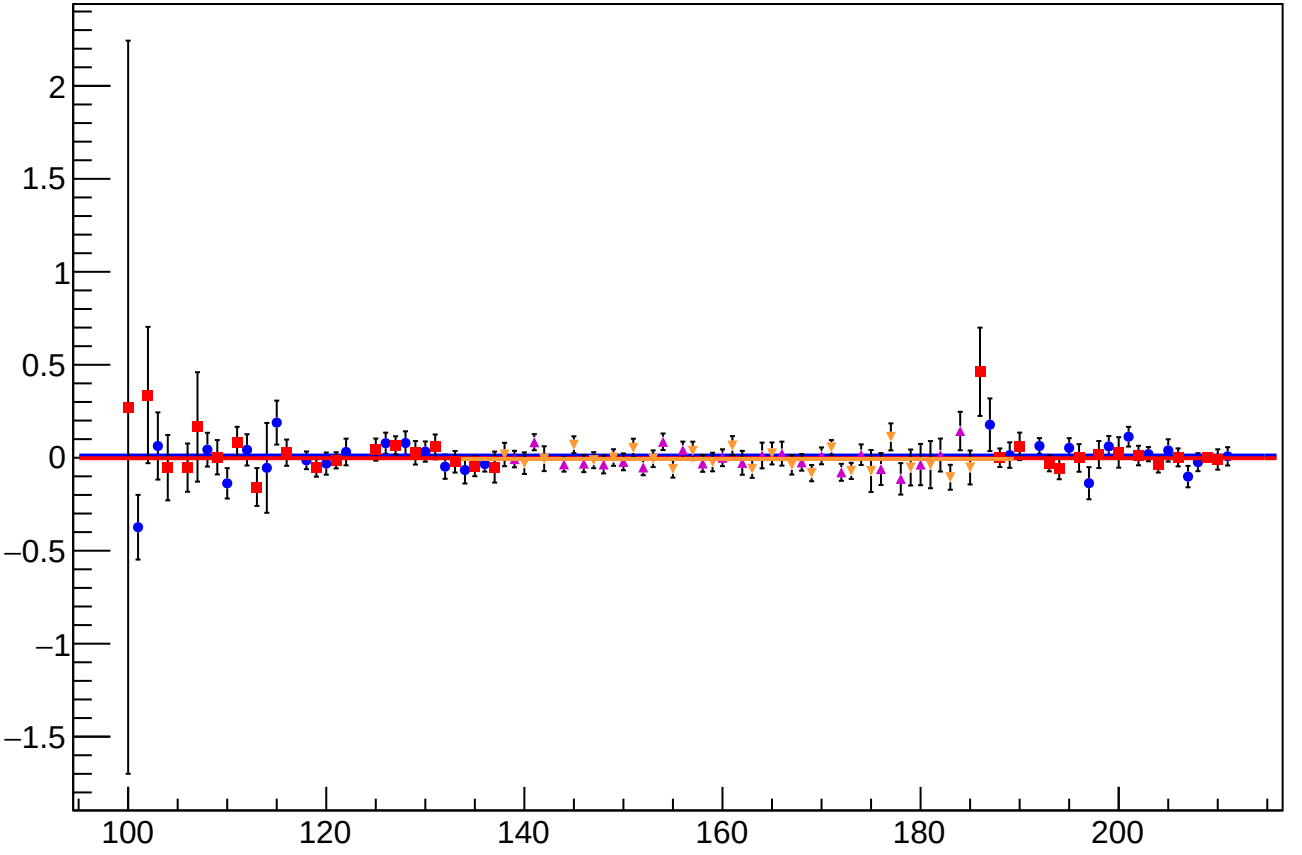
Left In: 41.421+/-0.008 χ^2/NDF:1412177.5/22

+ sign 41.866+/-0.006 χ^2/NDF: 3871439.7/51

All: 40.276+/-0.004 χ^2/NDF: 10540298.7/105

- sign 38.834+/-0.005 χ^2/NDF: 6515531.1/53

asym_us_dd_at1lr_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.012+/-0.012 χ^2/NDF: 33.3/27

Left Out: -0.007+/-0.011 χ^2/NDF:23.9/23

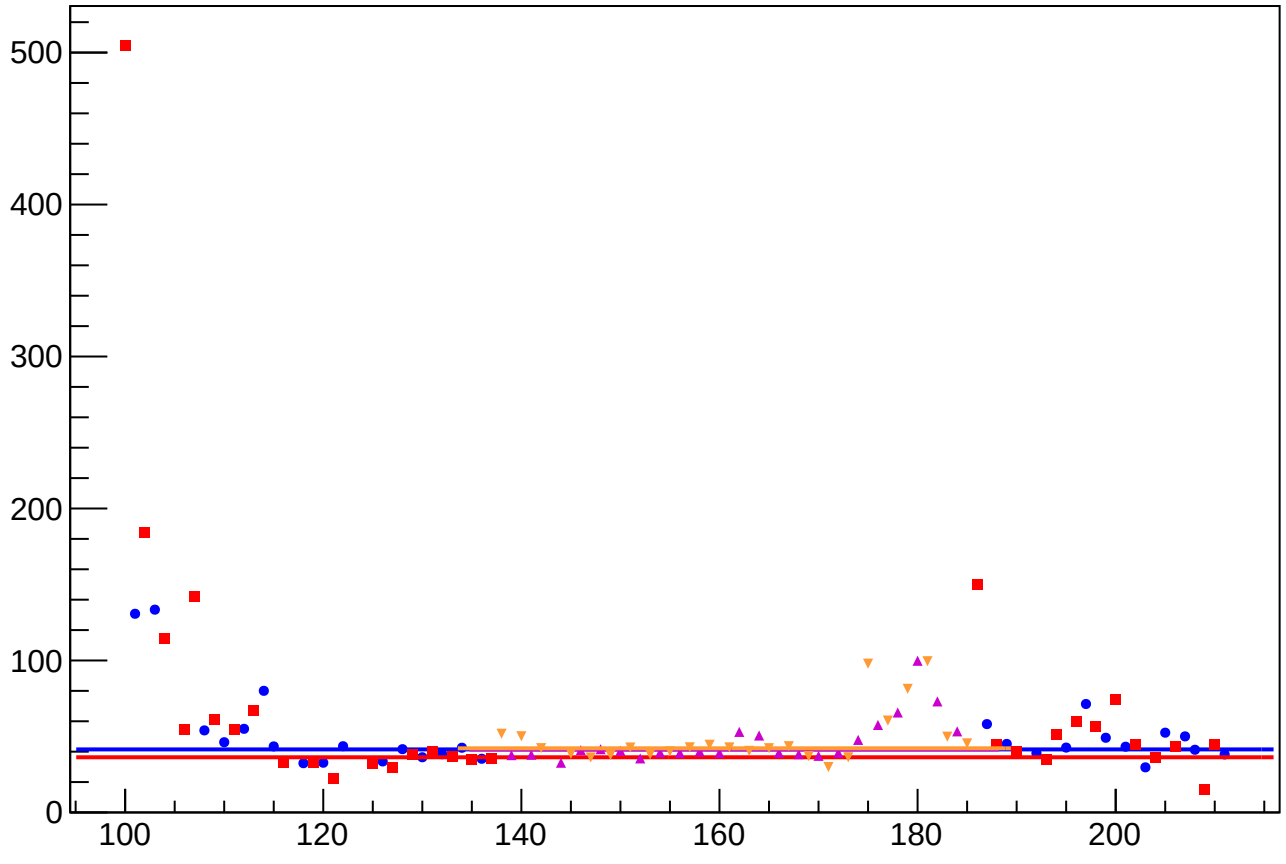
Right Out: -0.003+/-0.011 χ^2/NDF: 17.9/30

Left In: -0.006+/-0.011 χ^2/NDF:20.1/22

+ sign 0.002+/-0.008 χ^2/NDF: 58.5/51

All: -0.001+/-0.005 χ^2/NDF: 97.0/105

- sign -0.004+/-0.008 χ^2/NDF: 38.1/53



Right In: 41.485+/-0.008 χ^2/NDF: 2047918.4/27

Left Out: 42.208+/-0.008 χ^2/NDF:1819371.1/23

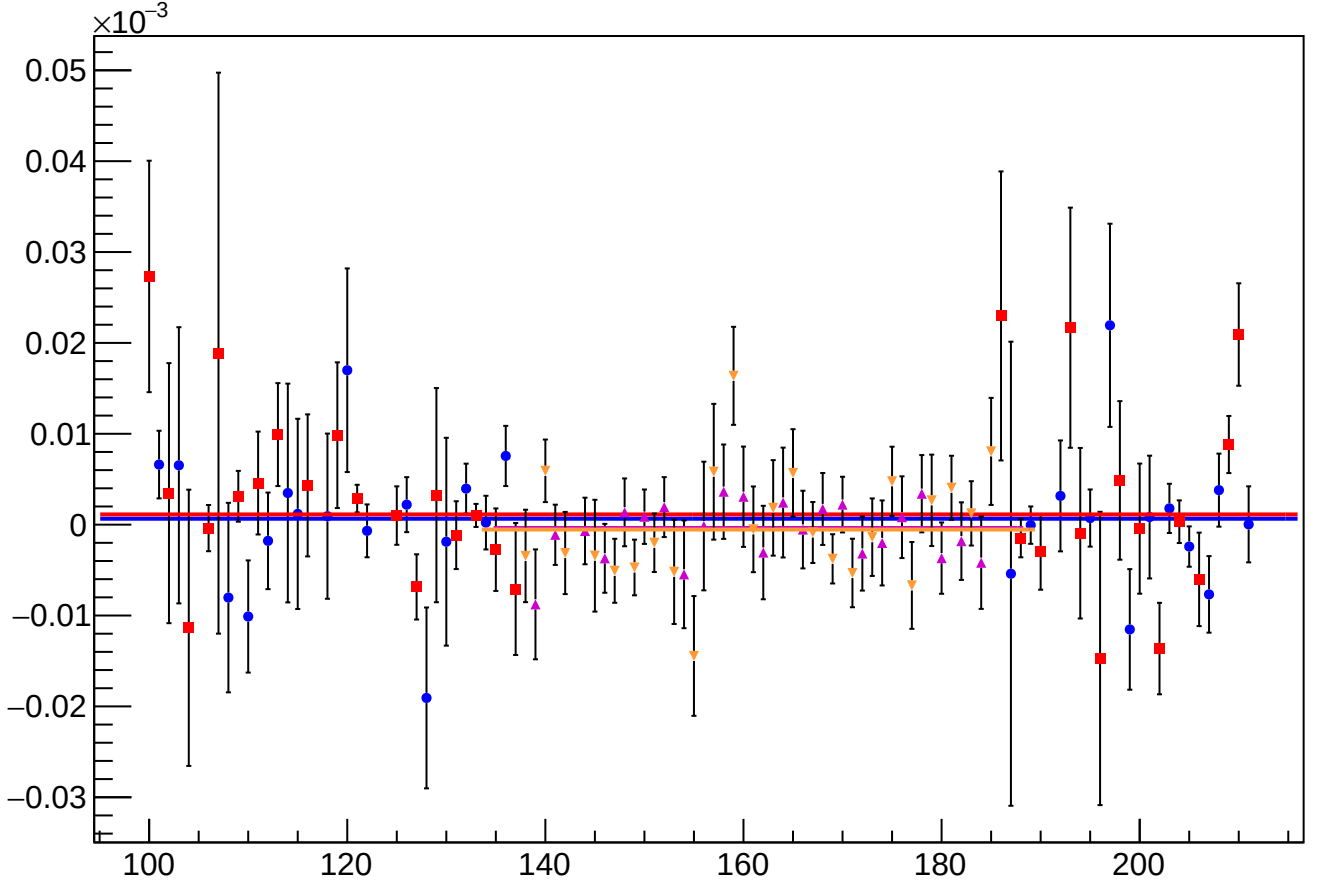
Right Out: 36.305+/-0.008 χ^2/NDF: 4874029.6/30

Left In: 41.421+/-0.008 χ^2/NDF:1412177.5/22

+ sign 41.866+/-0.006 χ^2/NDF: 3871439.7/51

All: 40.276+/-0.004 χ^2/NDF: 10540298.7/105

- sign 38.834+/-0.005 χ^2/NDF: 6515531.1/53



Right In: 0.000+/-0.000 χ^2/NDF: 33.1/27

Left Out: -0.000+/-0.000 χ^2/NDF:36.8/23

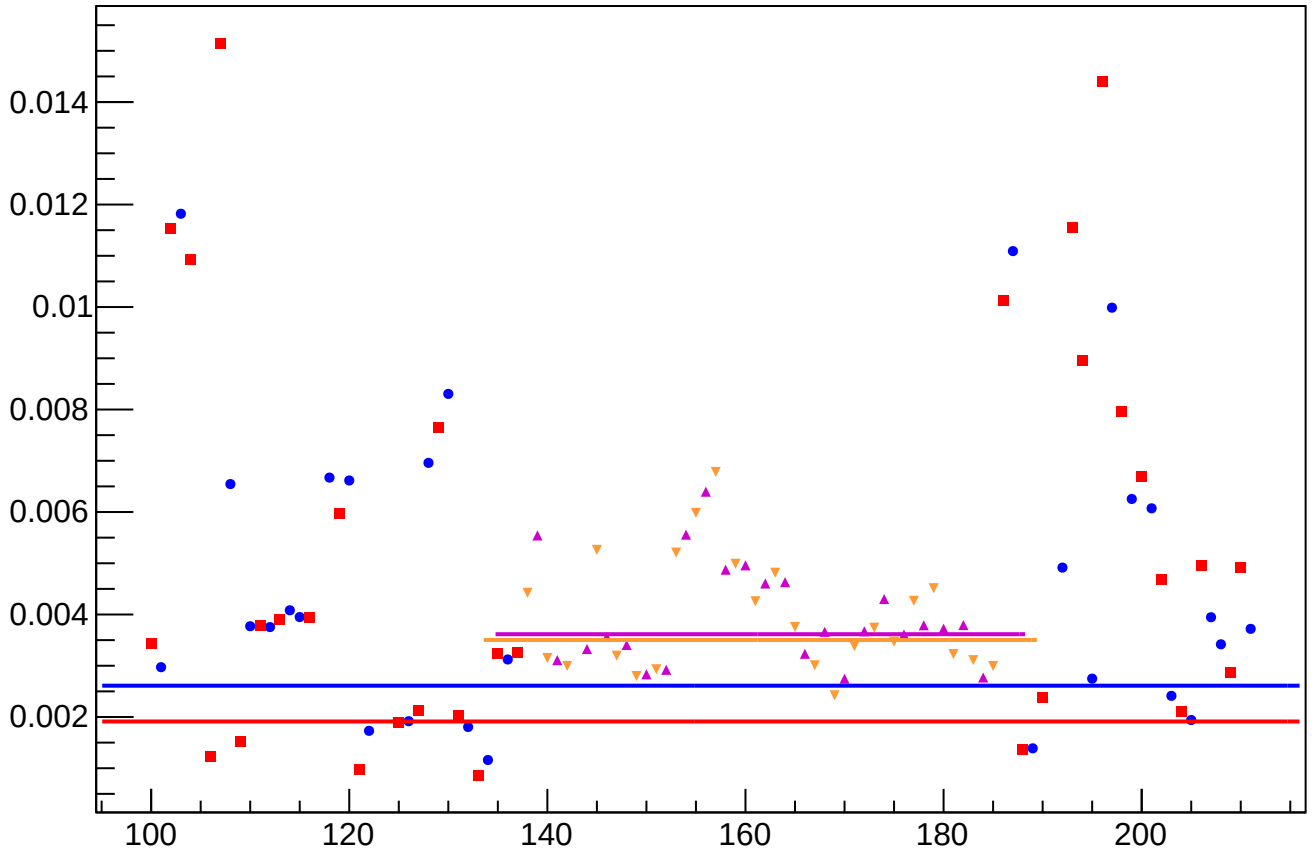
Right Out: 0.000+/-0.000 χ^2/NDF: 56.0/30

Left In: -0.000+/-0.000 χ^2/NDF:9.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 71.0/51

All: 0.000+/-0.000 χ^2/NDF: 139.0/105

- sign 0.000+/-0.000 χ^2/NDF: 67.6/53



Right In: 0.003+/-0.000 χ^2/NDF: 7618720.9/27

Left Out: 0.004+/-0.000 χ^2/NDF:2190693.7/23

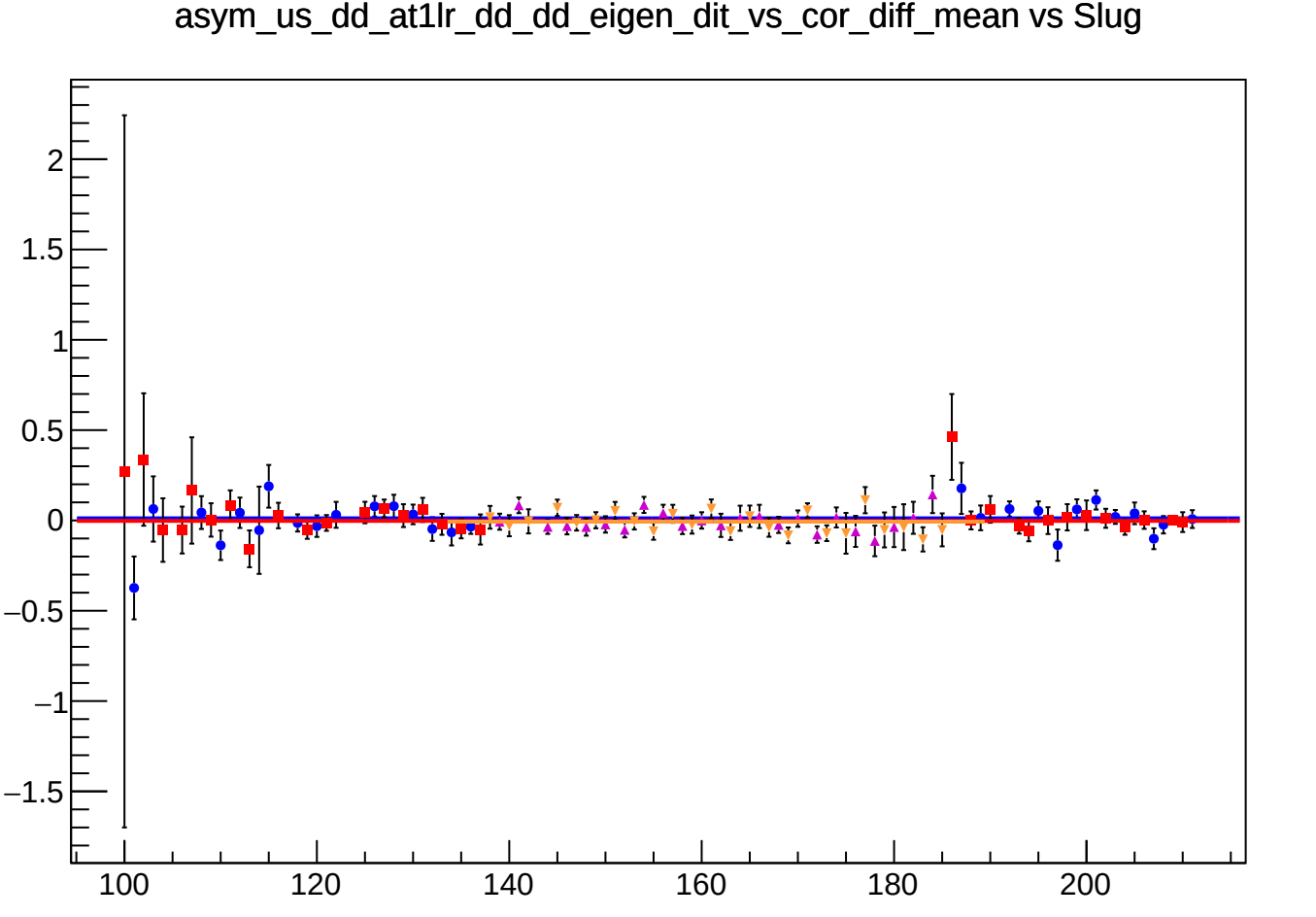
Right Out: 0.002+/-0.000 χ^2/NDF: 14213070.7/30

Left In: 0.004+/-0.000 χ^2/NDF:1668896.2/22

+ sign 0.003+/-0.000 χ^2/NDF: 11033174.2/51

All: 0.003+/-0.000 χ^2/NDF: 32830408.4/105

- sign 0.002+/-0.000 χ^2/NDF: 20886573.4/53



Right In: 0.012+/-0.012 χ^2/NDF: 33.3/27

Left Out: -0.007+/-0.011 χ^2/NDF:23.9/23

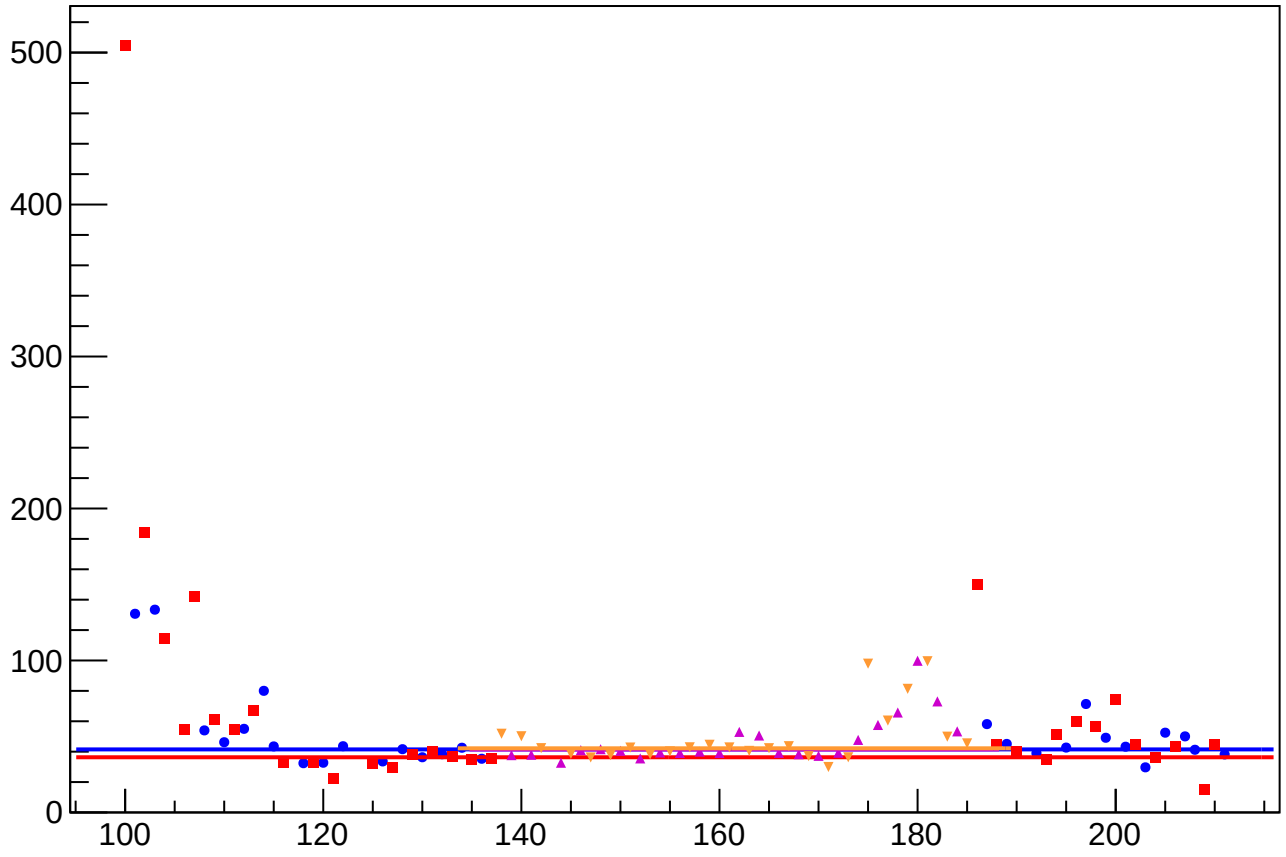
Right Out: -0.003+/-0.011 χ^2/NDF: 17.9/30

Left In: -0.006+/-0.011 χ^2/NDF:20.1/22

+ sign 0.002+/-0.008 χ^2/NDF: 58.5/51

All: -0.001+/-0.005 χ^2/NDF: 97.0/105

- sign -0.004+/-0.008 χ^2/NDF: 38.1/53



Right In: 41.485+/-0.008 χ^2/NDF: 2047834.9/27

Left Out: 42.208+/-0.008 χ^2/NDF:1819378.3/23

Right Out: 36.309+/-0.008 χ^2/NDF: 4871543.1/30

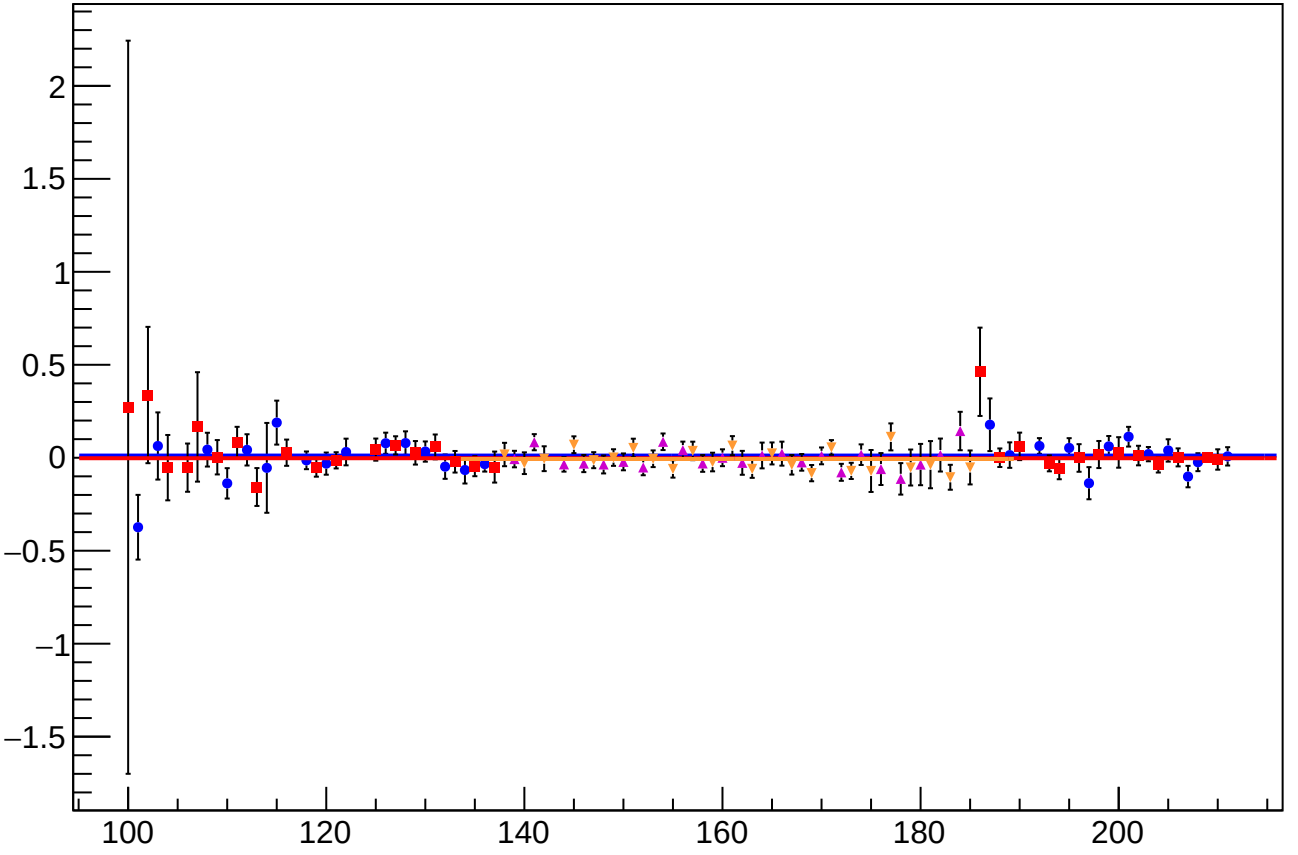
Left In: 41.421+/-0.008 χ^2/NDF:1412111.4/22

+ sign 41.866+/-0.006 χ^2/NDF: 3871357.4/51

All: 40.278+/-0.004 χ^2/NDF: 10536997.4/105

- sign 38.836+/-0.005 χ^2/NDF: 6512557.0/53

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.012+/-0.012 χ^2/NDF: 33.3/27

Left Out: -0.007+/-0.011 χ^2/NDF:23.9/23

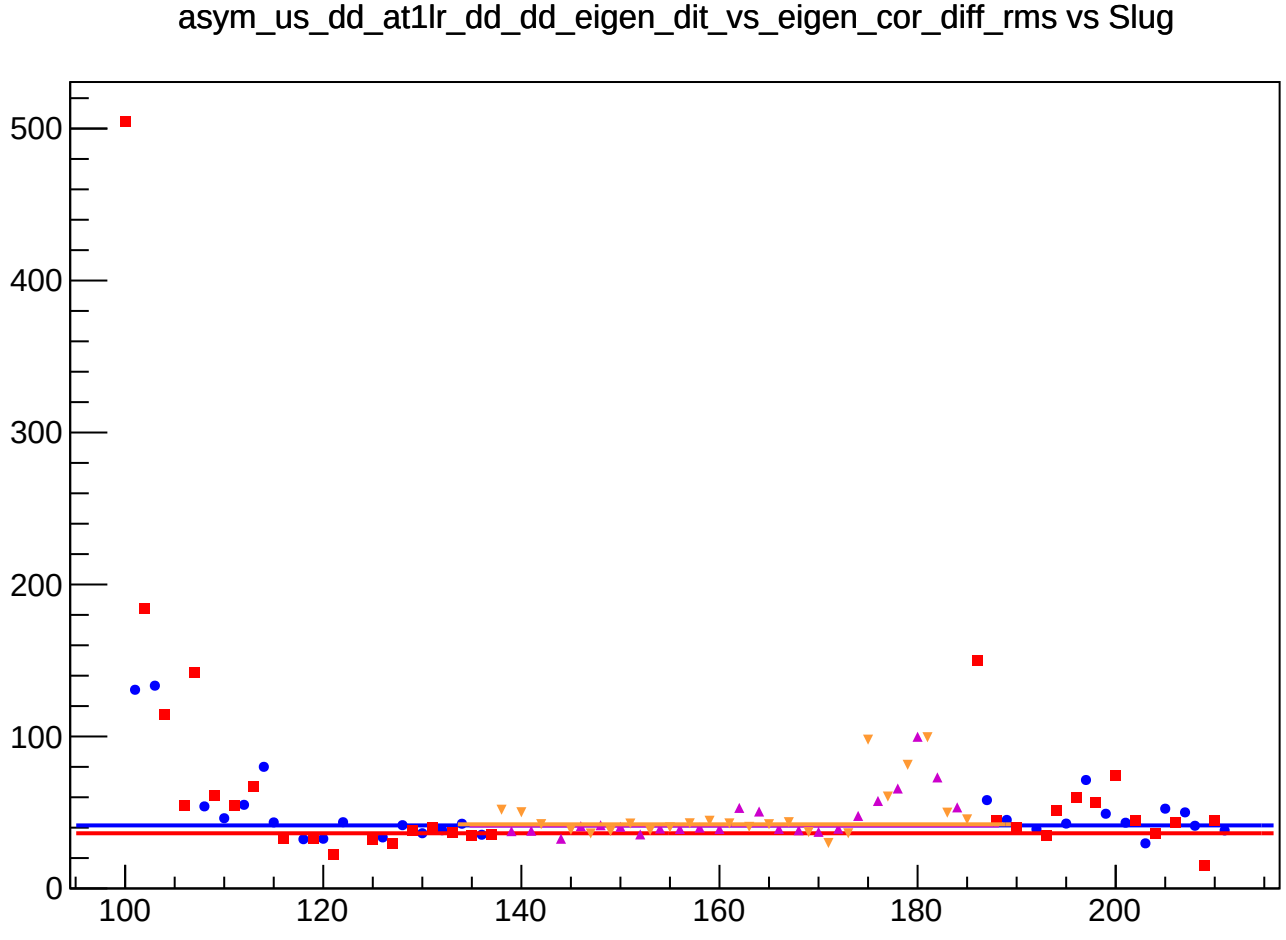
Right Out: -0.003+/-0.011 χ^2/NDF: 17.9/30

Left In: -0.006+/-0.011 χ^2/NDF:20.1/22

+ sign 0.002+/-0.008 χ^2/NDF: 58.5/51

All: -0.001+/-0.005 χ^2/NDF: 97.0/105

- sign -0.004+/-0.008 χ^2/NDF: 38.1/53



Right In: 41.485+/-0.008 χ^2/NDF: 2047834.9/27

Left Out: 42.208+/-0.008 χ^2/NDF:1819378.3/23

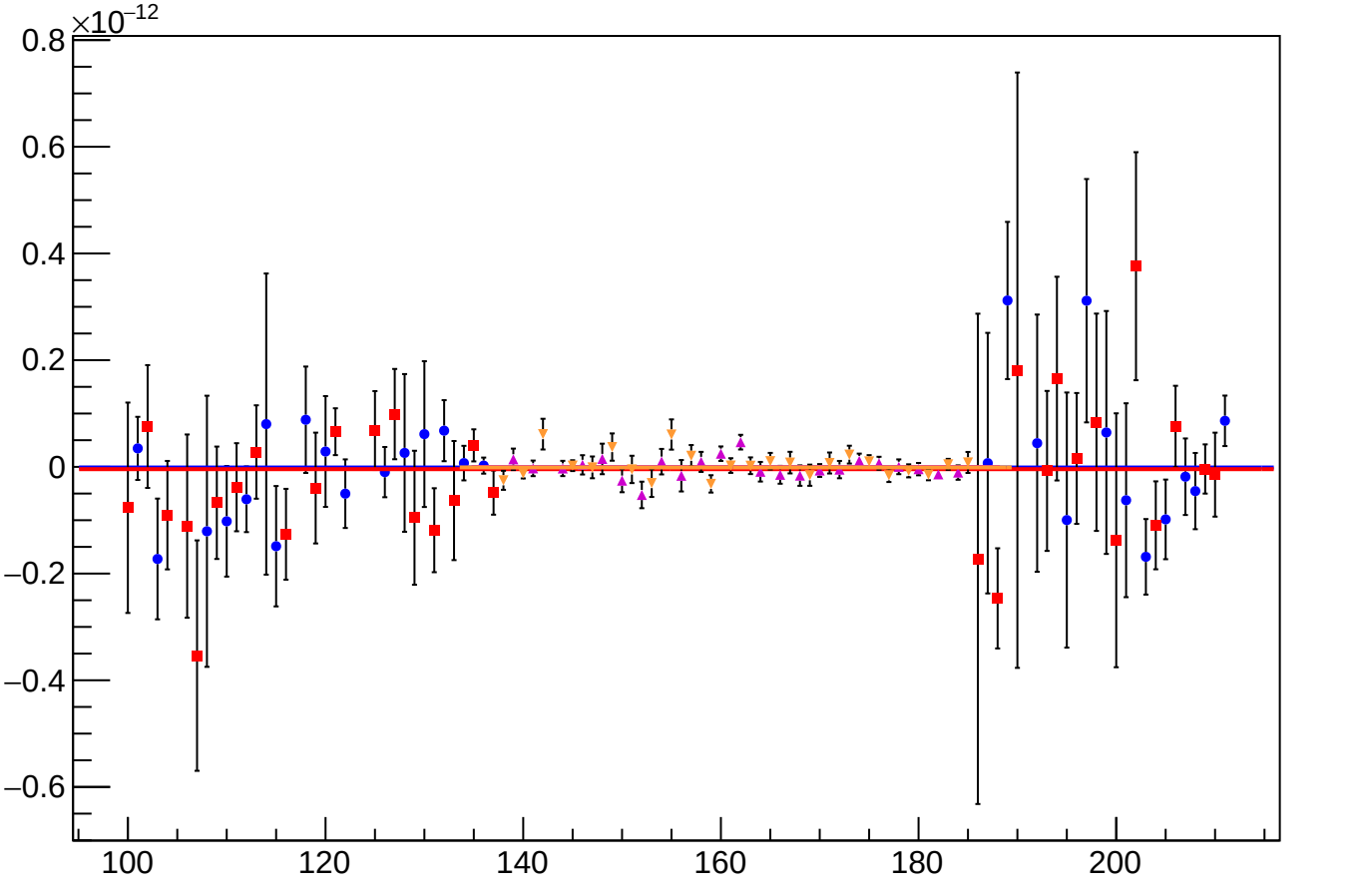
Right Out: 36.309+/-0.008 χ^2/NDF: 4871543.1/30

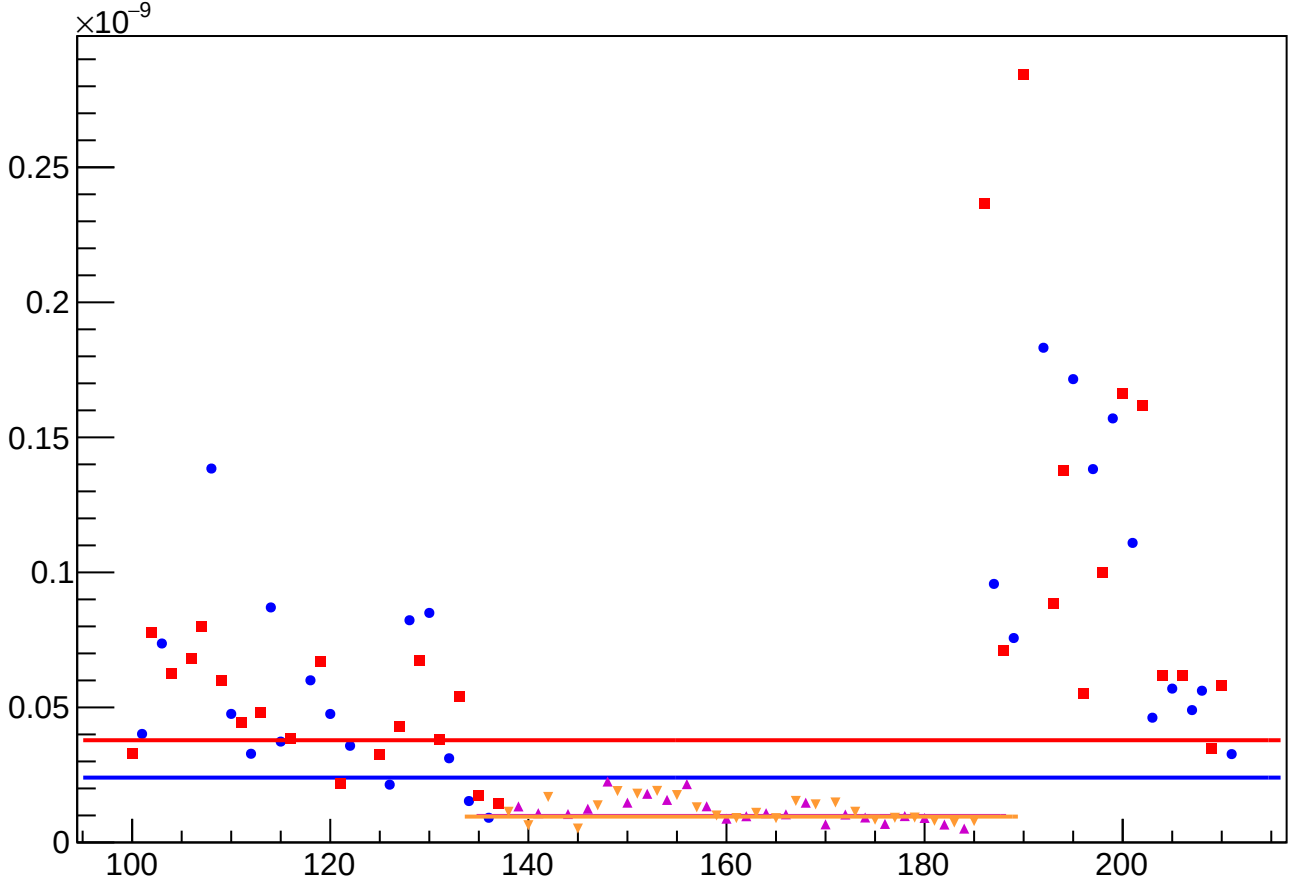
Left In: 41.421+/-0.008 χ^2/NDF:1412111.4/22

+ sign 41.866+/-0.006 χ^2/NDF: 3871357.4/51

All: 40.278+/-0.004 χ^2/NDF: 10536997.4/105

- sign 38.836+/-0.005 χ^2/NDF: 6512557.0/53


asym_us_dd_at1lr_dd_dd_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
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 27.8/27
Left Out: -0.000+/-0.000 χ²/NDF:29.5/23
Right Out: -0.000+/-0.000 χ²/NDF: 32.6/30
Left In: -0.000+/-0.000 χ²/NDF:28.3/22
+ sign -0.000+/-0.000 χ²/NDF: 57.3/51
All: -0.000+/-0.000 χ²/NDF: 118.3/105
- sign -0.000+/-0.000 χ²/NDF: 61.0/53



Right In: 0.000+/-0.000 χ^2/NDF: 9483773.2/27

Left Out: 0.000+/-0.000 χ^2/NDF:2445128.6/23

Right Out: 0.000+/-0.000 χ^2/NDF: 6577377.8/30

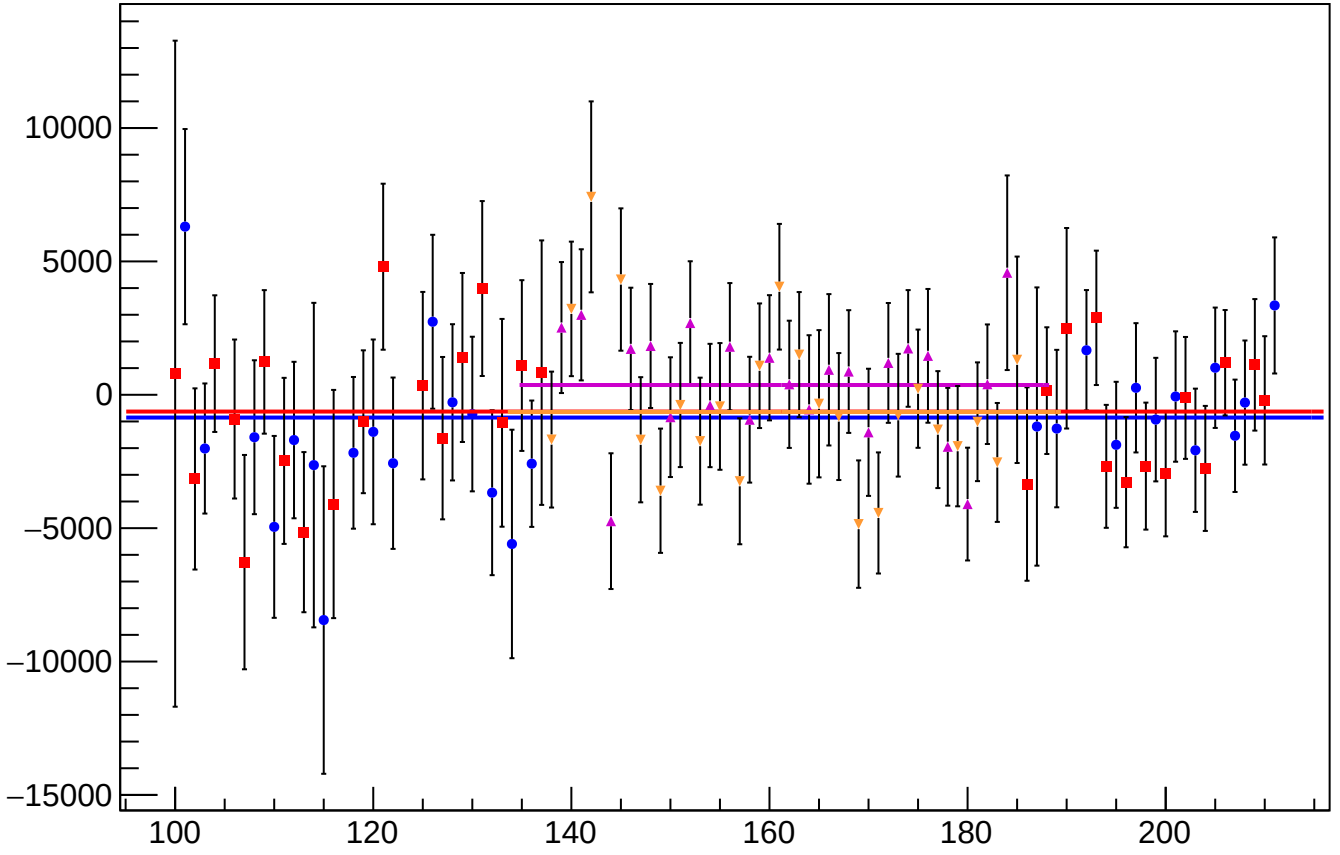
Left In: 0.000+/-0.000 χ^2/NDF:2250638.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 15340974.1/51

All: 0.000+/-0.000 χ^2/NDF: 31621632.8/105

- sign 0.000+/-0.000 χ^2/NDF: 16256473.2/53

reg_asym_us_dd_at2lr_dd_avg_mean vs Slug



Right In: -853.434+/-527.604 χ^2/NDF: 17.5/27

Left Out: -643.811+/-493.681 χ^2/NDF:27.1/23

Right Out: -628.671+/-511.733 χ^2/NDF: 22.1/30

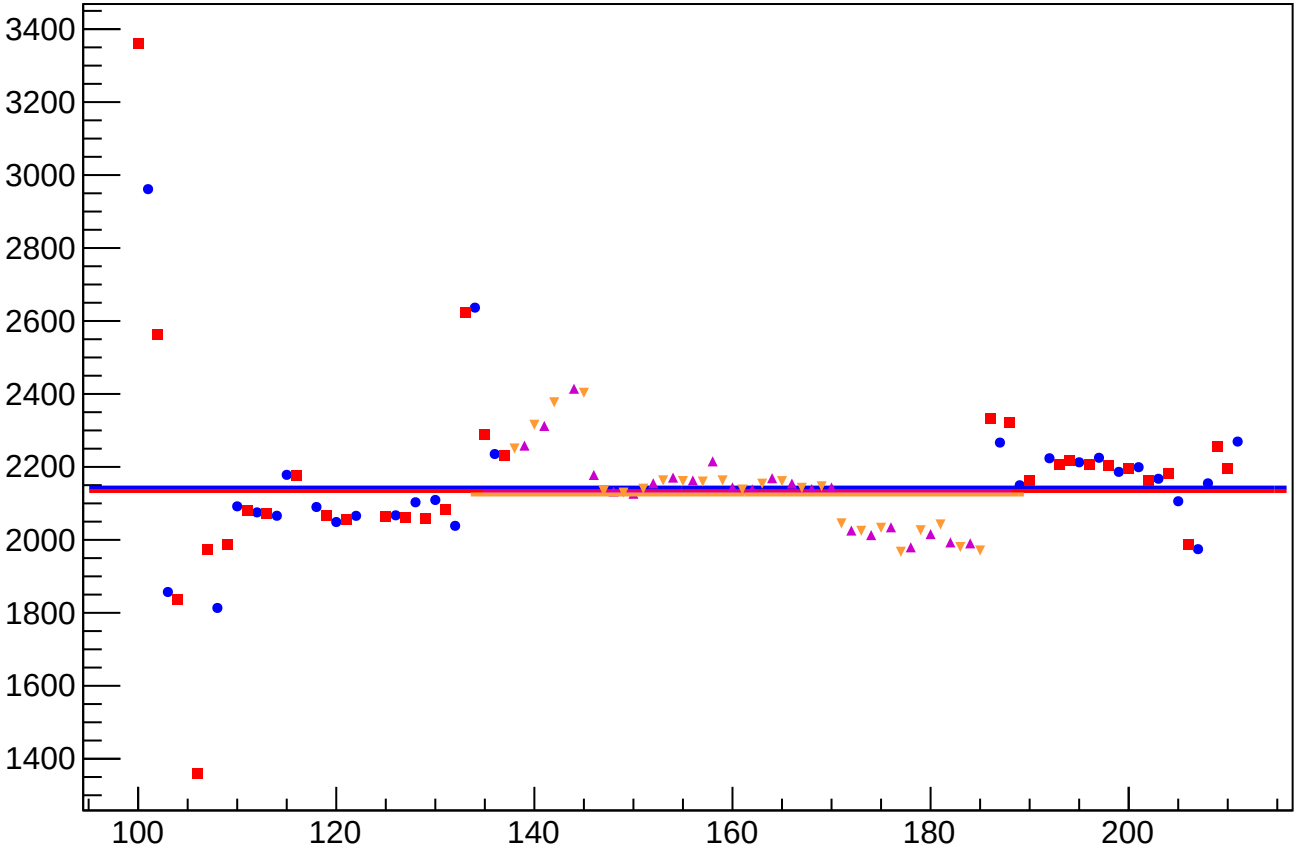
Left In: 366.759+/-497.896 χ^2/NDF:17.3/22

+ sign -741.667+/-360.482 χ^2/NDF: 44.7/51

All: -426.337+/-253.608 χ^2/NDF: 87.5/105

- sign -117.317+/-356.857 χ^2/NDF: 41.3/53

reg_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2143.312+/-0.373 χ^2/NDF: 220483.3/27

Left Out: 2124.437+/-0.349 χ^2/NDF:89184.0/23

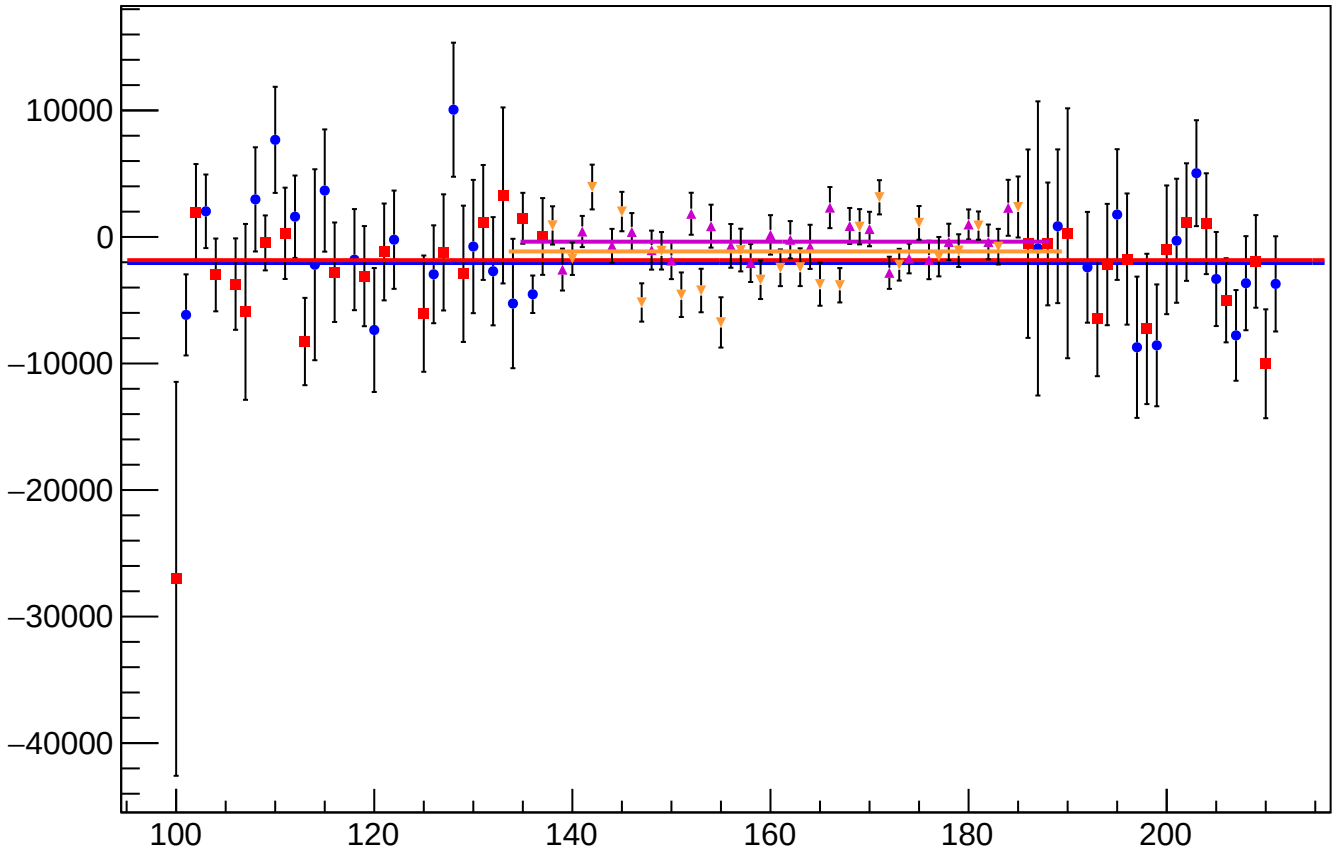
Right Out: 2134.066+/-0.362 χ^2/NDF: 312993.7/30

Left In: 2129.897+/-0.352 χ^2/NDF:85354.5/22

+ sign 2133.248+/-0.255 χ^2/NDF: 311032.1/51

All: 2132.580+/-0.179 χ^2/NDF: 709462.1/105

- sign 2131.924+/-0.252 χ^2/NDF: 398416.3/53



Right In: -2056.452+/-718.729 χ^2/NDF: 33.2/27

Left Out: -1144.817+/-302.488 χ^2/NDF:67.5/23

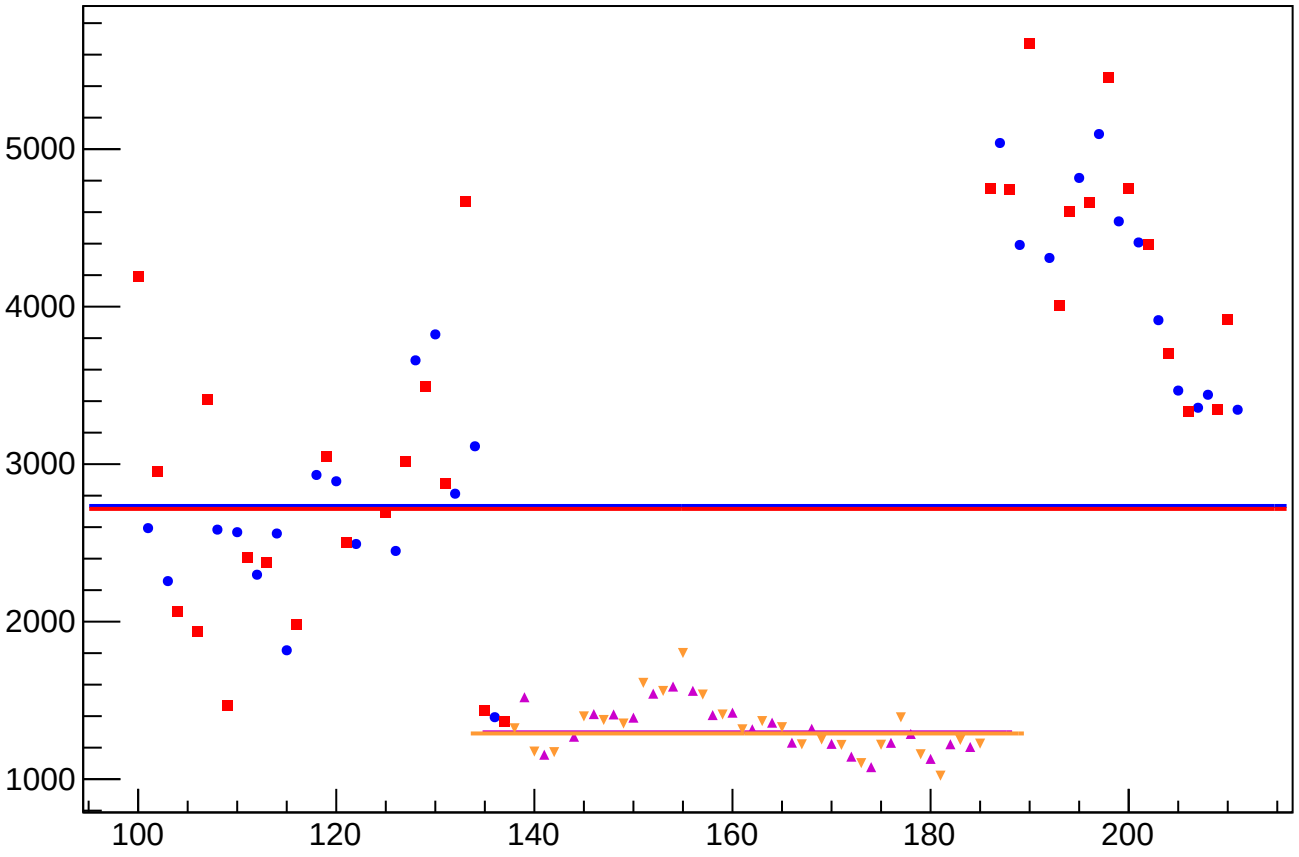
Right Out: -1834.291+/-705.245 χ^2/NDF: 21.3/30

Left In: -373.302+/-305.378 χ^2/NDF:20.3/22

+ sign -1281.995+/-278.802 χ^2/NDF: 102.1/51

All: -944.725+/-197.647 χ^2/NDF: 150.2/105

- sign -603.982+/-280.234 χ^2/NDF: 45.2/53



Right In: 2734.404+/-0.508 χ^2/NDF: 4102721.3/27

Left Out: 1290.029+/-0.214 χ^2/NDF:567950.9/23

Right Out: 2715.871+/-0.499 χ^2/NDF: 5280280.4/30

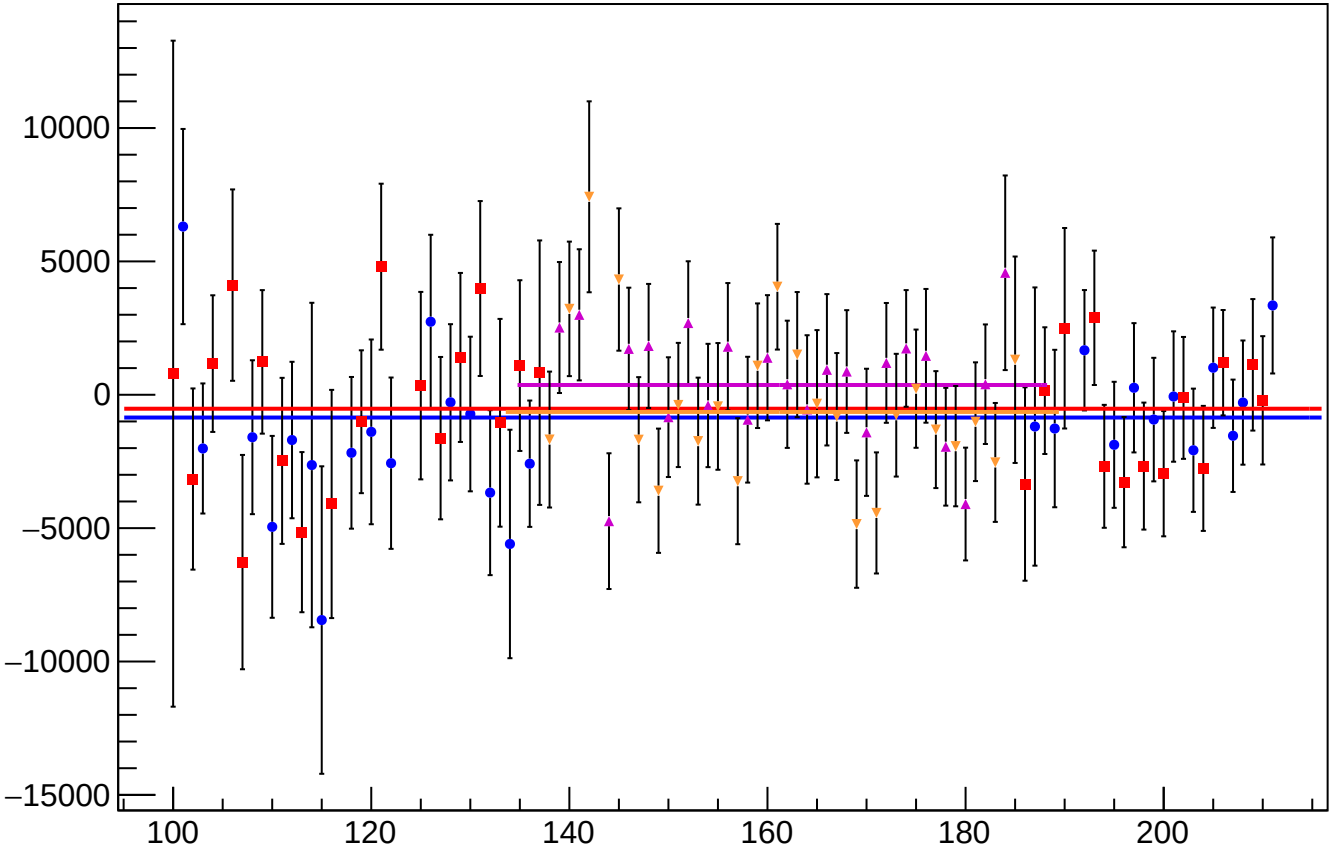
Left In: 1297.454+/-0.216 χ^2/NDF:433995.4/22

+ sign 1507.371+/-0.197 χ^2/NDF: 11532440.4/51

All: 1514.356+/-0.140 χ^2/NDF: 24062032.9/1

- sign 1521.412+/-0.198 χ^2/NDF: 12527069.1/53

cor_asym_us_dd_at2lr_dd_avg_mean vs Slug



Right In: -853.488+/-527.604 χ^2/NDF: 17.5/27

Left Out: -643.673+/-493.681 χ^2/NDF:27.1/23

Right Out: -523.140+/-514.087 χ^2/NDF: 23.8/30

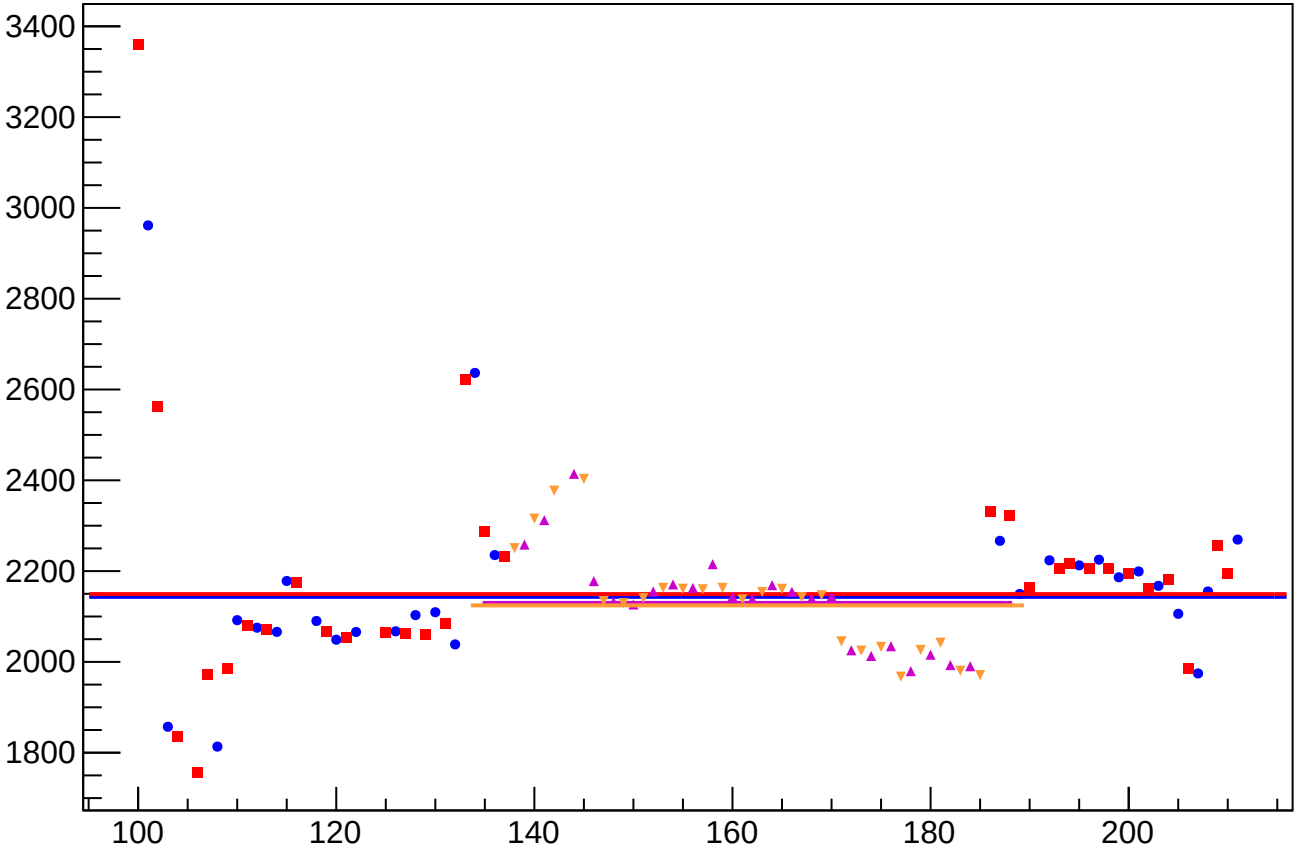
Left In: 366.649+/-497.896 χ^2/NDF:17.3/22

+ sign -741.619+/-360.482 χ^2/NDF: 44.7/51

All: -400.147+/-253.893 χ^2/NDF: 89.1/105

- sign -64.013+/-357.653 χ^2/NDF: 42.6/53

cor_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2143.312+/-0.373 χ^2/NDF: 220483.6/27

Left Out: 2124.437+/-0.349 χ^2/NDF:89184.0/23

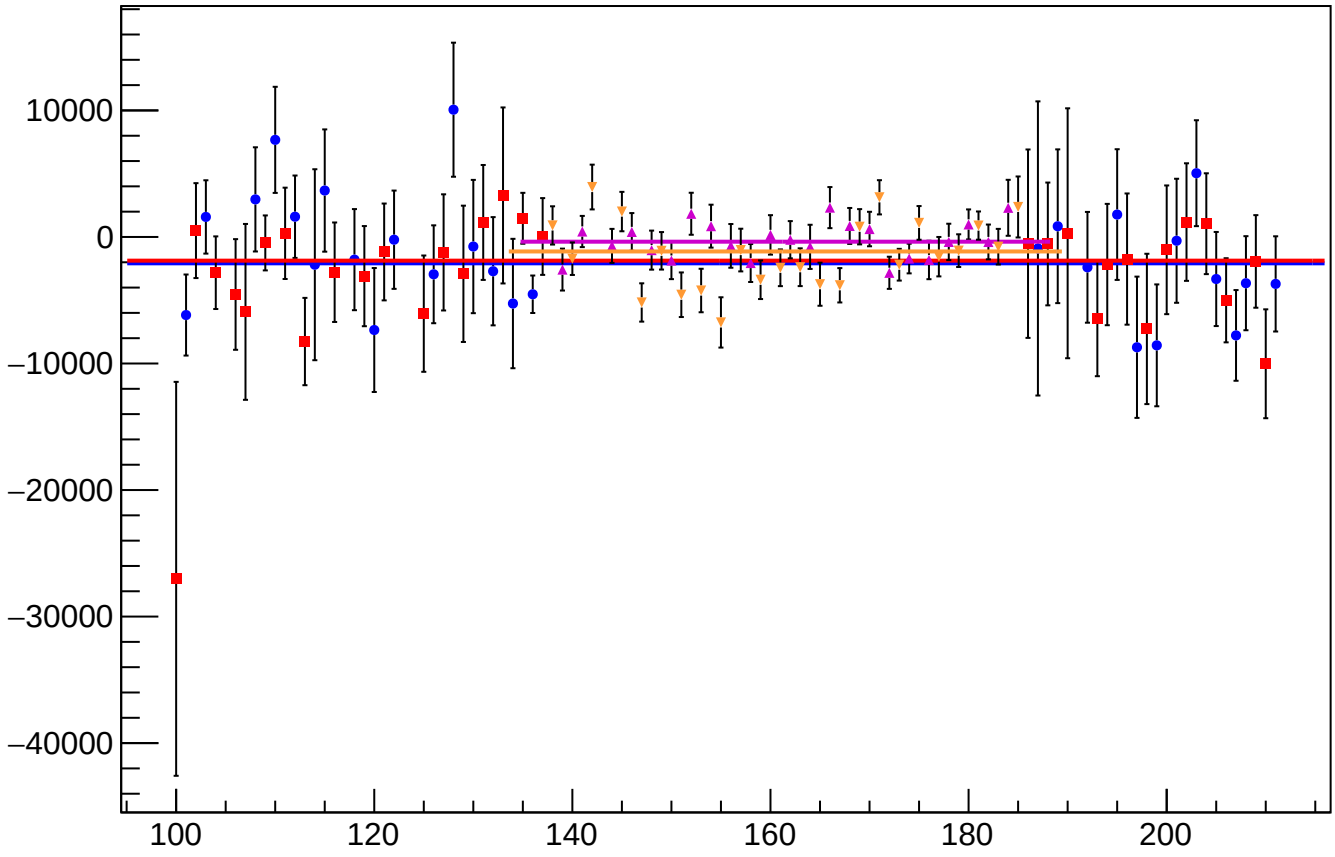
Right Out: 2149.315+/-0.364 χ^2/NDF: 198796.6/30

Left In: 2129.897+/-0.352 χ^2/NDF:85354.4/22

+ sign 2133.248+/-0.255 χ^2/NDF: 311032.4/51

All: 2136.296+/-0.180 χ^2/NDF: 596939.3/105

- sign 2139.295+/-0.253 χ^2/NDF: 285623.3/53



Right In: -2082.740+/-718.560 χ^2/NDF: 32.8/27

Left Out: -1144.779+/-302.490 χ^2/NDF:67.5/23

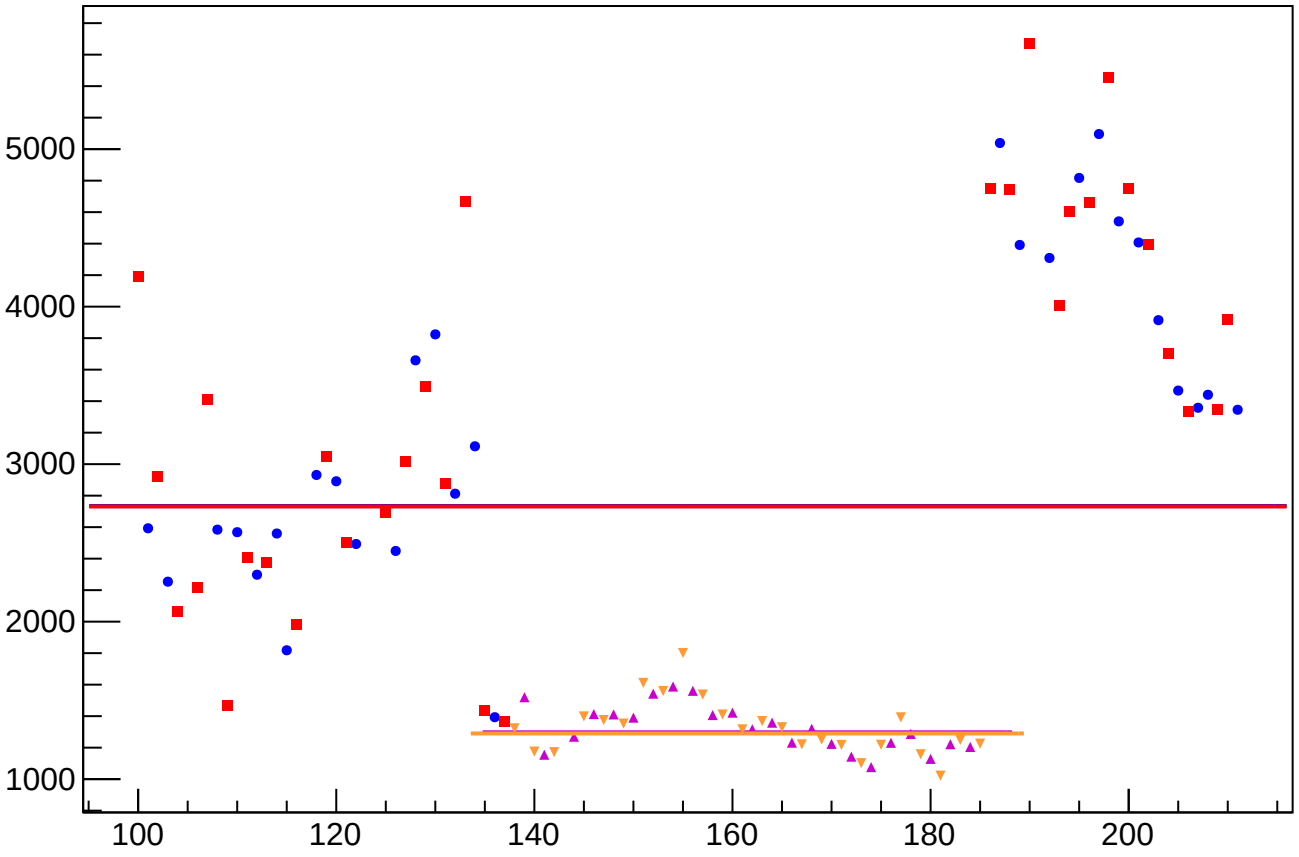
Right Out: -1871.874+/-709.161 χ^2/NDF: 20.7/30

Left In: -373.186+/-305.379 χ^2/NDF:20.3/22

+ sign -1285.977+/-278.794 χ^2/NDF: 101.8/51

All: -948.842+/-197.730 χ^2/NDF: 149.5/105

- sign -607.621+/-280.479 χ^2/NDF: 44.8/53



Right In: 2733.923+/-0.508 χ^2/NDF: 4103935.6/27

Left Out: 1290.041+/-0.214 χ^2/NDF:567883.5/23

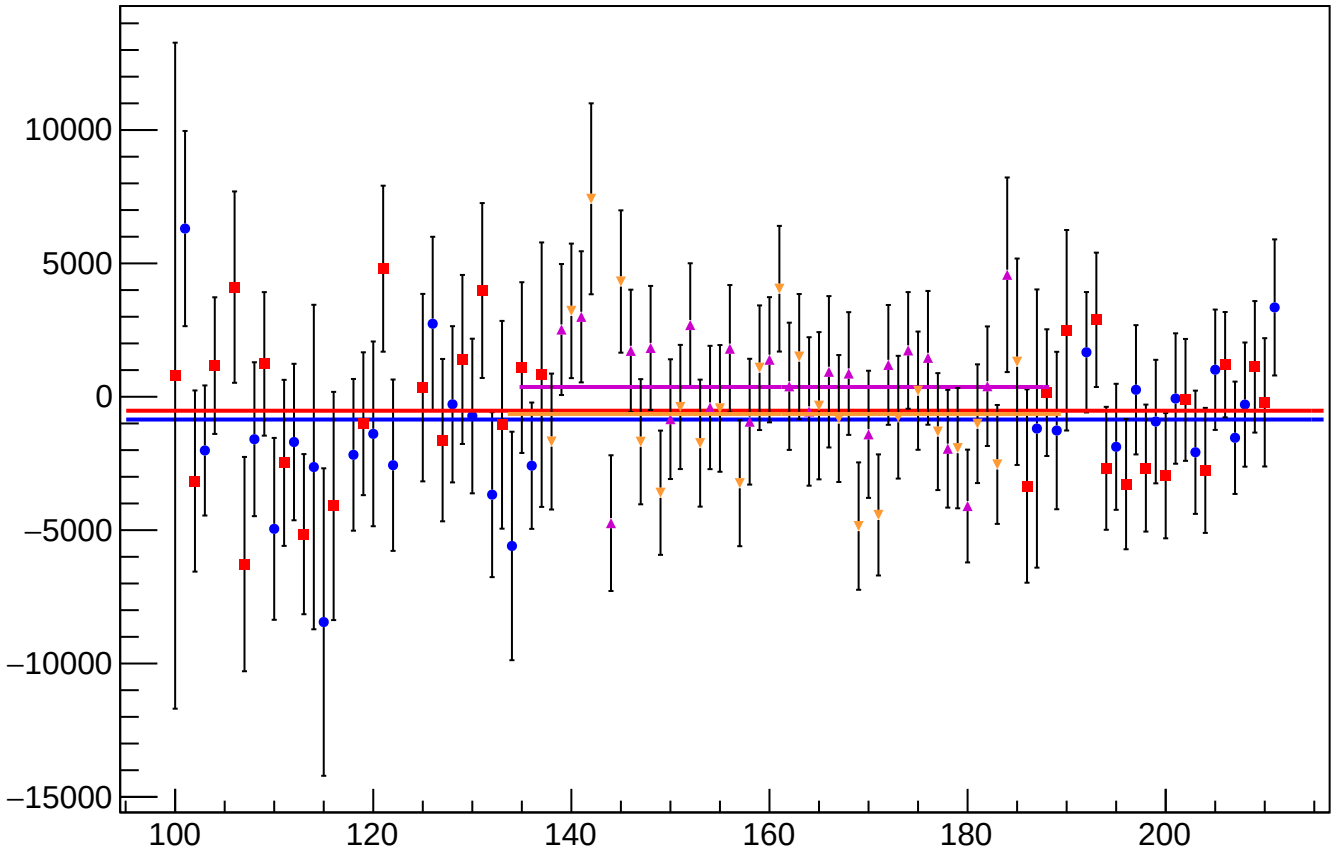
Right Out: 2731.424+/-0.501 χ^2/NDF: 5212620.2/30

Left In: 1297.458+/-0.216 χ^2/NDF:434006.2/22

+ sign 1507.397+/-0.197 χ^2/NDF: 11531633.8/51

All: 1514.539+/-0.140 χ^2/NDF: 24079182.0/1

- sign 1521.768+/-0.198 χ^2/NDF: 12544907.4/53



Right In: -853.488+/-527.604 χ^2/NDF: 17.5/27

Left Out: -643.673+/-493.681 χ^2/NDF:27.1/23

Right Out: -523.140+/-514.087 χ^2/NDF: 23.8/30

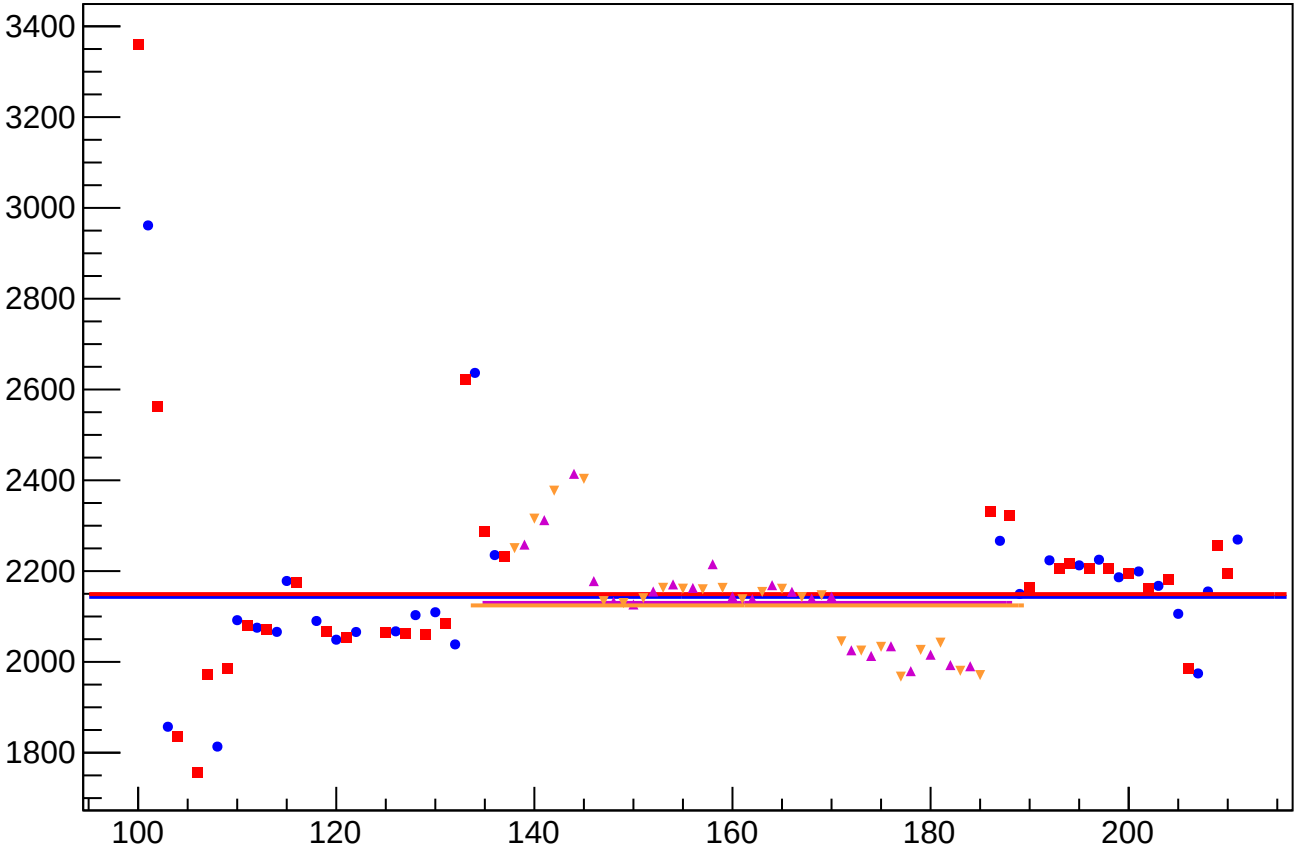
Left In: 366.649+/-497.896 χ^2/NDF:17.3/22

+ sign -741.619+/-360.482 χ^2/NDF: 44.7/51

All: -400.147+/-253.893 χ^2/NDF: 89.1/105

- sign -64.013+/-357.653 χ^2/NDF: 42.6/53

eigen_cor_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2143.312+/-0.373 χ^2/NDF: 220483.6/27

Left Out: 2124.437+/-0.349 χ^2/NDF:89184.0/23

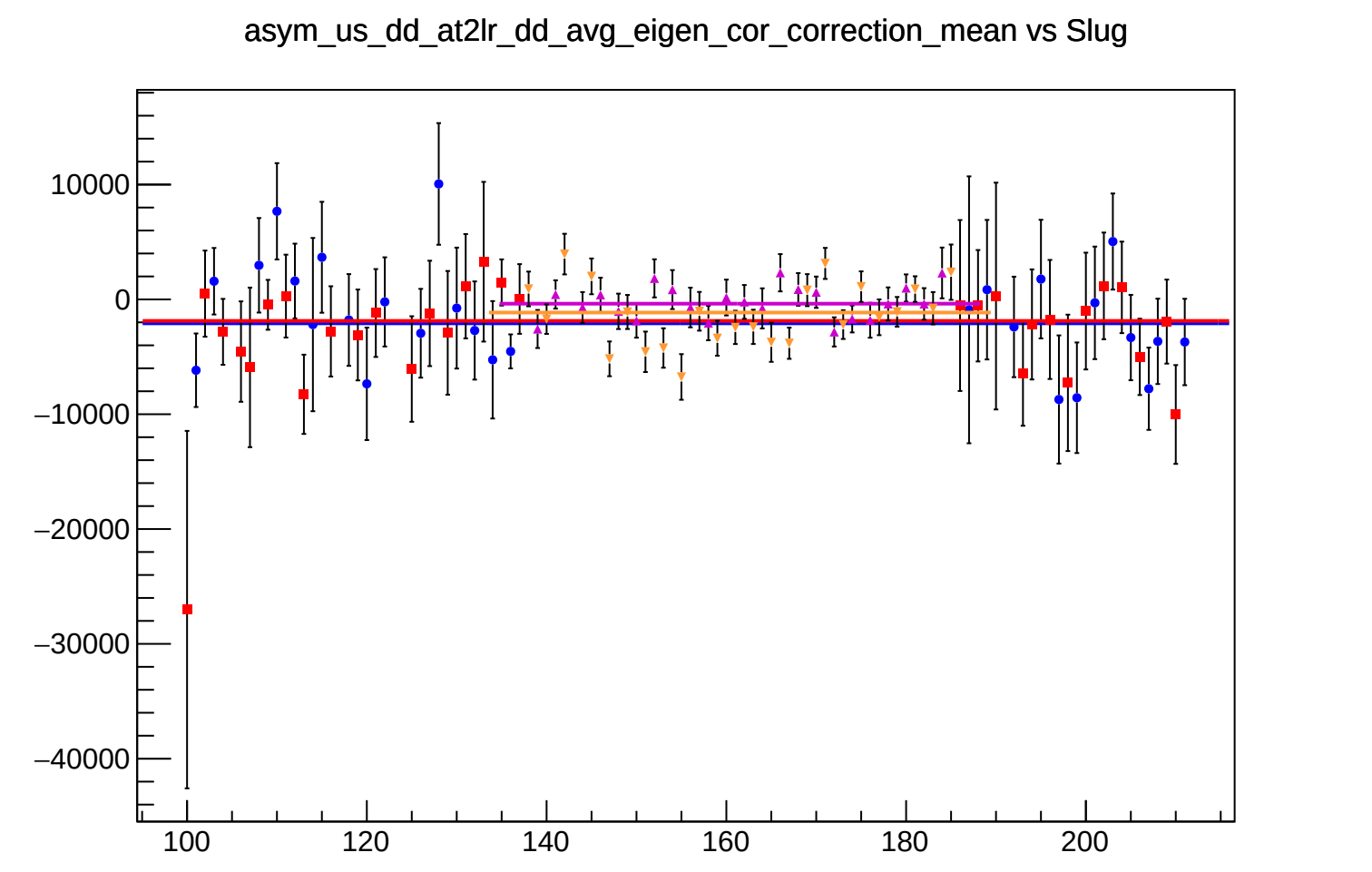
Right Out: 2149.315+/-0.364 χ^2/NDF: 198796.6/30

Left In: 2129.897+/-0.352 χ^2/NDF:85354.4/22

+ sign 2133.248+/-0.255 χ^2/NDF: 311032.4/51

All: 2136.296+/-0.180 χ^2/NDF: 596939.3/105

- sign 2139.295+/-0.253 χ^2/NDF: 285623.3/53



Right In: -2082.740+/-718.560 χ^2/NDF: 32.8/27

Left Out: -1144.779+/-302.490 χ^2/NDF:67.5/23

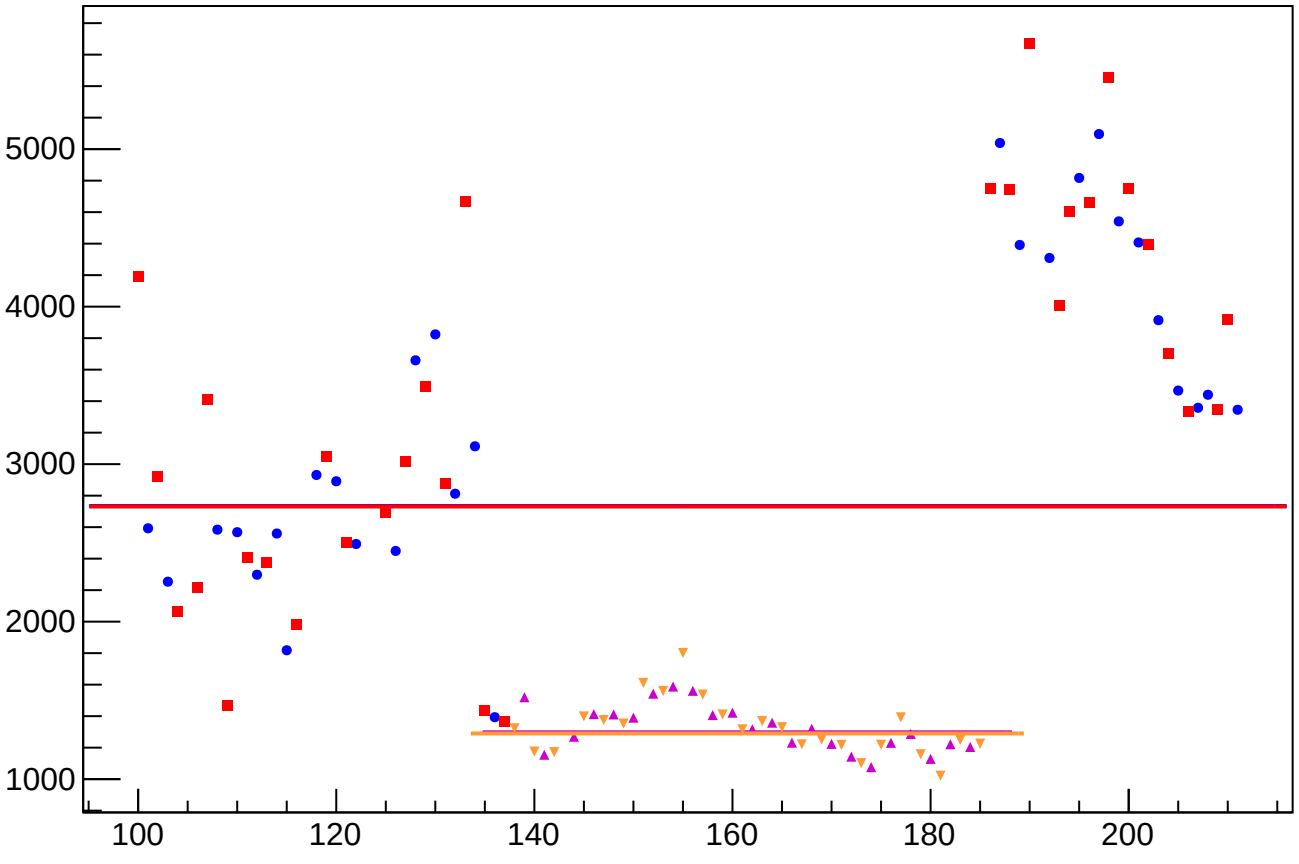
Right Out: -1871.874+/-709.161 χ^2/NDF: 20.7/30

Left In: -373.186+/-305.379 χ^2/NDF:20.3/22

+ sign -1285.977+/-278.794 χ^2/NDF: 101.8/51

All: -948.842+/-197.730 χ^2/NDF: 149.5/105

- sign -607.621+/-280.479 χ^2/NDF: 44.8/53



Right In: 2733.923+/-0.508 χ^2/NDF: 4103935.6/27

Left Out: 1290.041+/-0.214 χ^2/NDF:567883.5/23

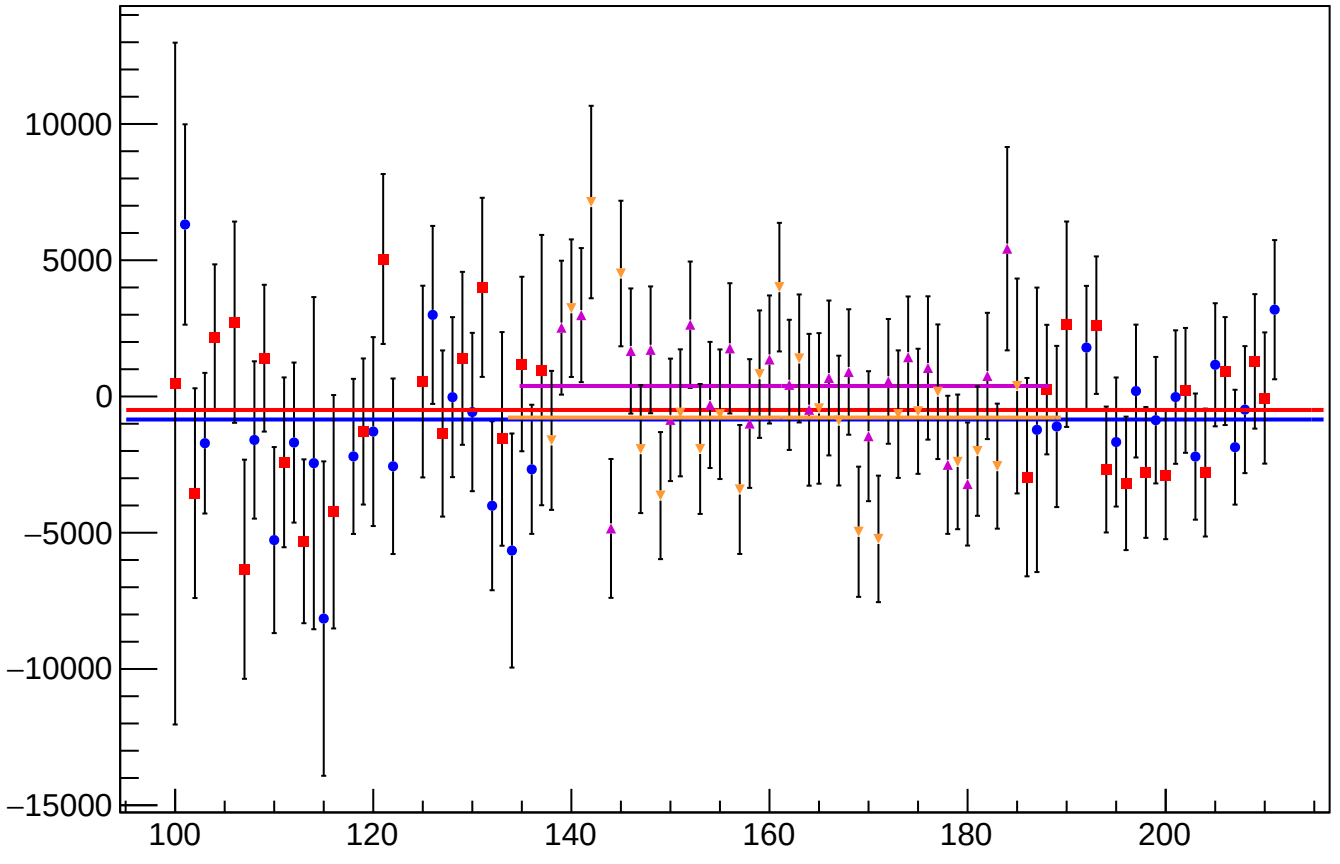
Right Out: 2731.424+/-0.501 χ^2/NDF: 5212620.2/30

Left In: 1297.458+/-0.216 χ^2/NDF:434006.2/22

+ sign 1507.397+/-0.197 χ^2/NDF: 11531633.8/51

All: 1514.539+/-0.140 χ^2/NDF: 24079182.0/1

- sign 1521.768+/-0.198 χ^2/NDF: 12544907.4/53



Right In: -845.168+/-529.955 χ^2/NDF: 18.0/27

Left Out: -773.579+/-502.816 χ^2/NDF:28.6/23

Right Out: -494.778+/-517.749 χ^2/NDF: 23.7/30

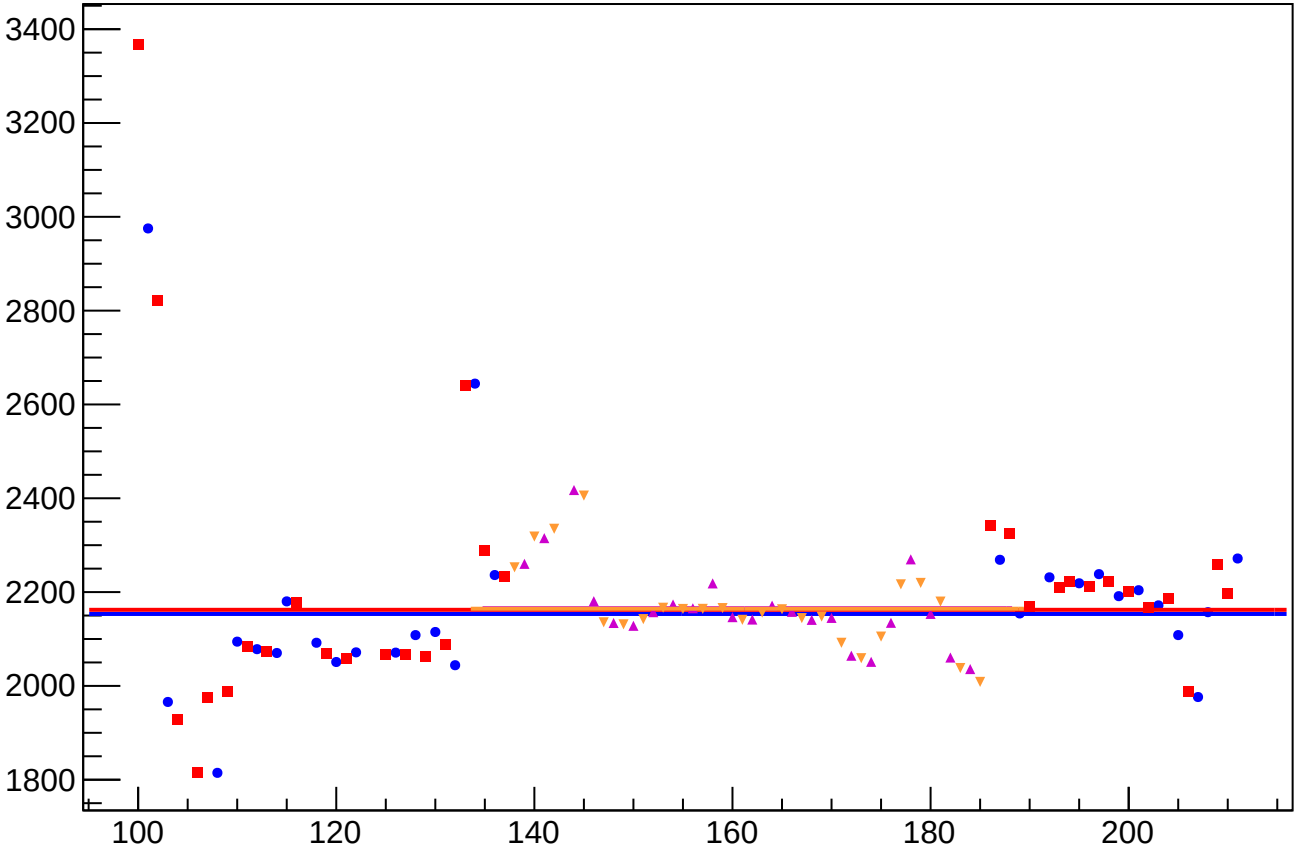
Left In: 385.269+/-506.052 χ^2/NDF:15.6/22

+ sign -807.493+/-364.762 χ^2/NDF: 46.5/51

All: -423.091+/-256.907 χ^2/NDF: 89.6/105

- sign -44.702+/-361.897 χ^2/NDF: 40.8/53

dit_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2153.352+/-0.375 χ^2/NDF: 205500.1/27

Left Out: 2164.532+/-0.356 χ^2/NDF:50676.3/23

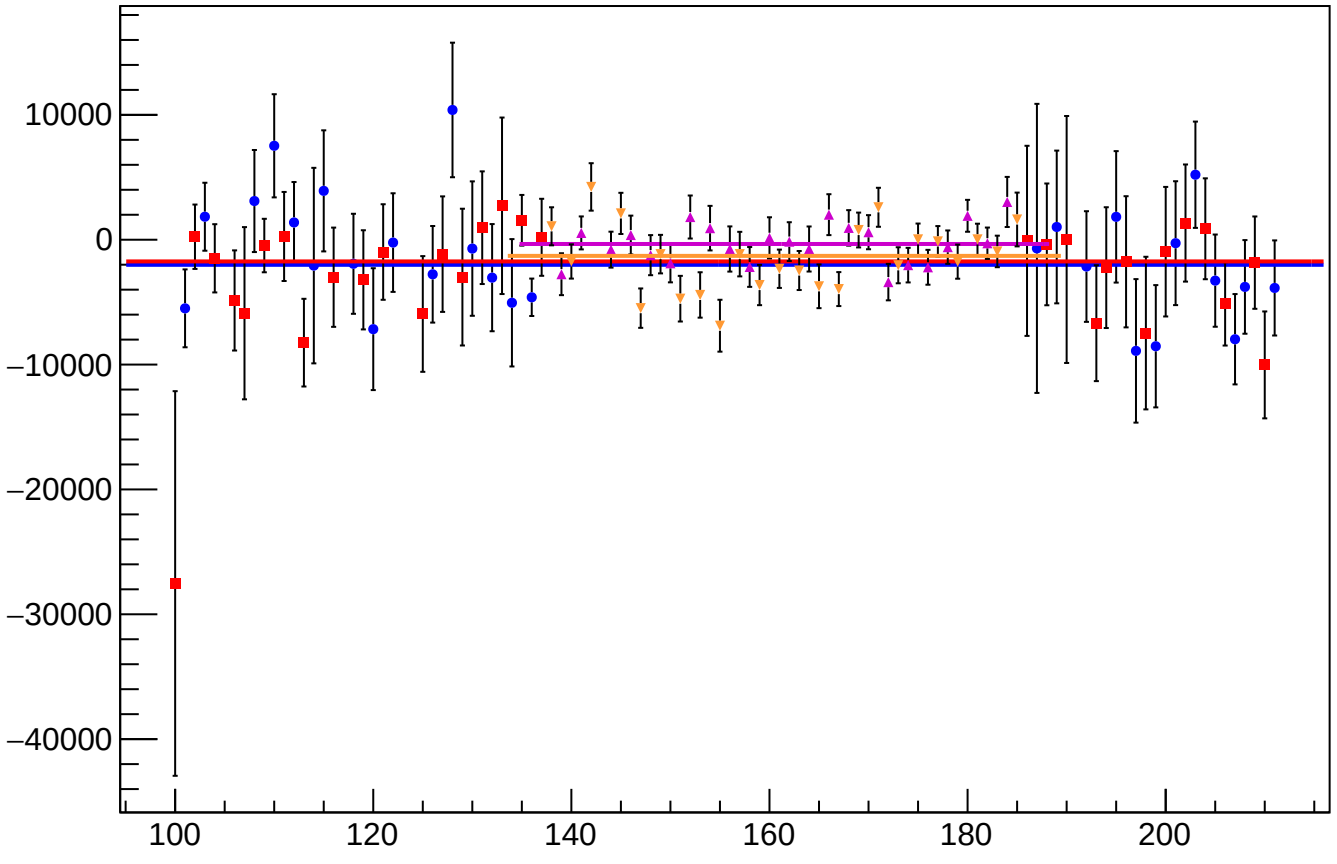
Right Out: 2162.214+/-0.366 χ^2/NDF: 207996.5/30

Left In: 2165.643+/-0.358 χ^2/NDF:52124.5/22

+ sign 2159.236+/-0.258 χ^2/NDF: 256644.8/51

All: 2161.621+/-0.182 χ^2/NDF: 516980.2/105

- sign 2163.968+/-0.256 χ^2/NDF: 260165.8/53



Right In: -2008.662+/-719.512 χ^2/NDF: 33.2/27

Left Out: -1293.716+/-310.622 χ^2/NDF:58.7/23

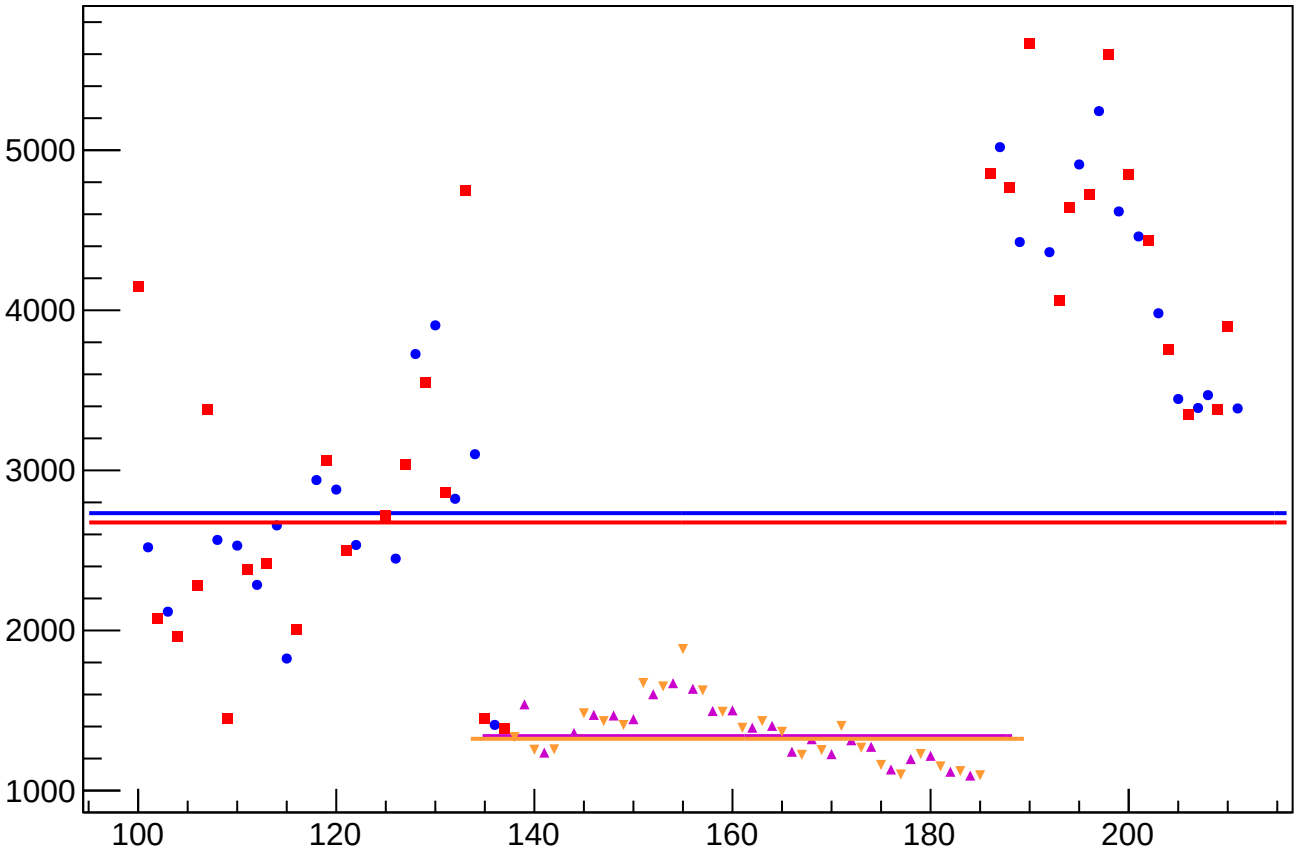
Right Out: -1737.374+/-694.840 χ^2/NDF: 21.3/30

Left In: -341.259+/-315.566 χ^2/NDF:24.8/22

+ sign -1406.031+/-285.181 χ^2/NDF: 92.7/51

All: -996.096+/-202.407 χ^2/NDF: 146.2/105

- sign -579.980+/-287.323 χ^2/NDF: 49.4/53



Right In: 2732.843+/-0.509 χ^2/NDF: 4198186.6/27

Left Out: 1323.402+/-0.220 χ^2/NDF:663859.2/23

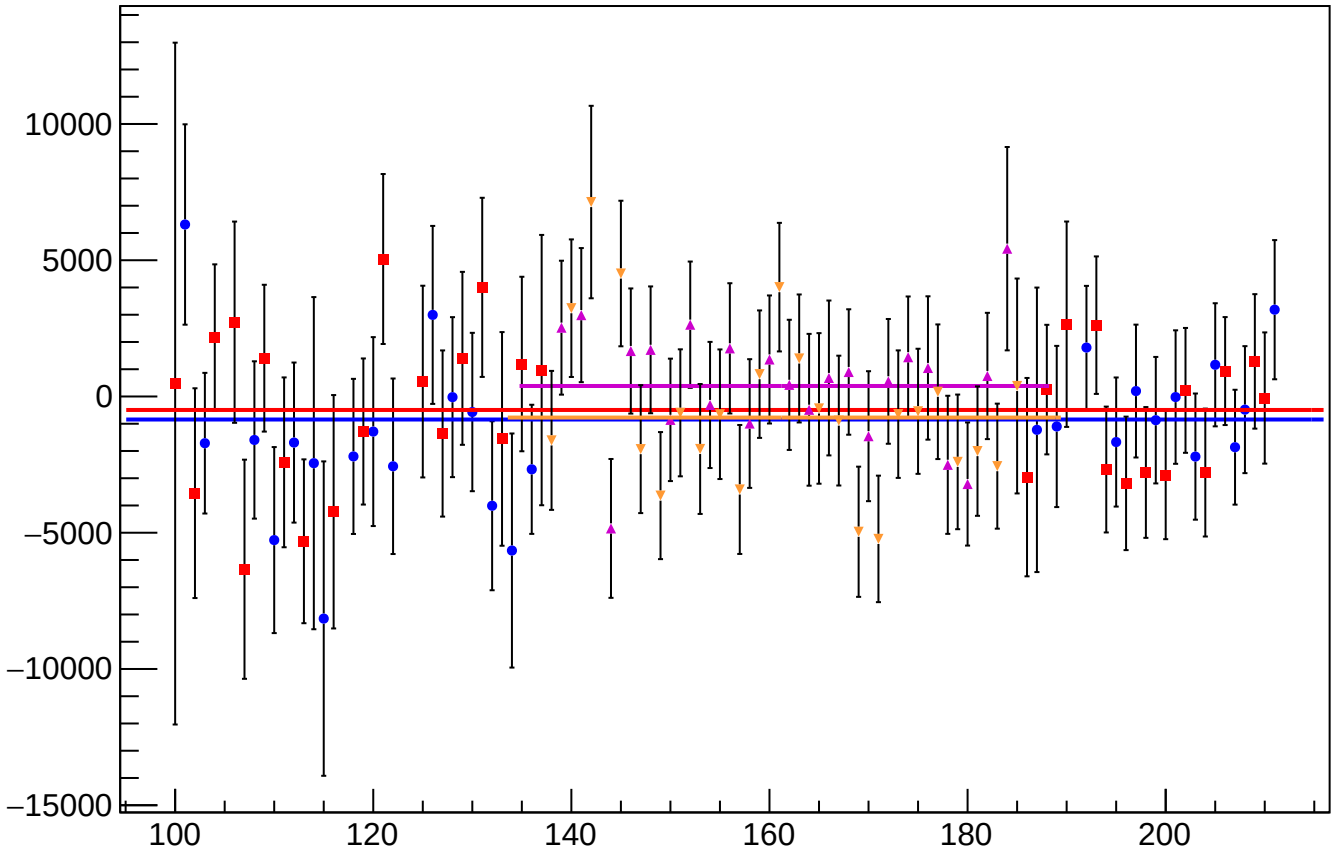
Right Out: 2674.654+/-0.491 χ^2/NDF: 5457207.0/30

Left In: 1340.084+/-0.223 χ^2/NDF:494267.4/22

+ sign 1544.820+/-0.202 χ^2/NDF: 11330873.0/51

All: 1556.464+/-0.143 χ^2/NDF: 23405560.1/1

- sign 1568.282+/-0.203 χ^2/NDF: 12067969.2/53



Right In: -845.165+/-529.955 χ^2/NDF: 18.0/27

Left Out: -773.576+/-502.816 χ^2/NDF:28.6/23

Right Out: -494.775+/-517.749 χ^2/NDF: 23.7/30

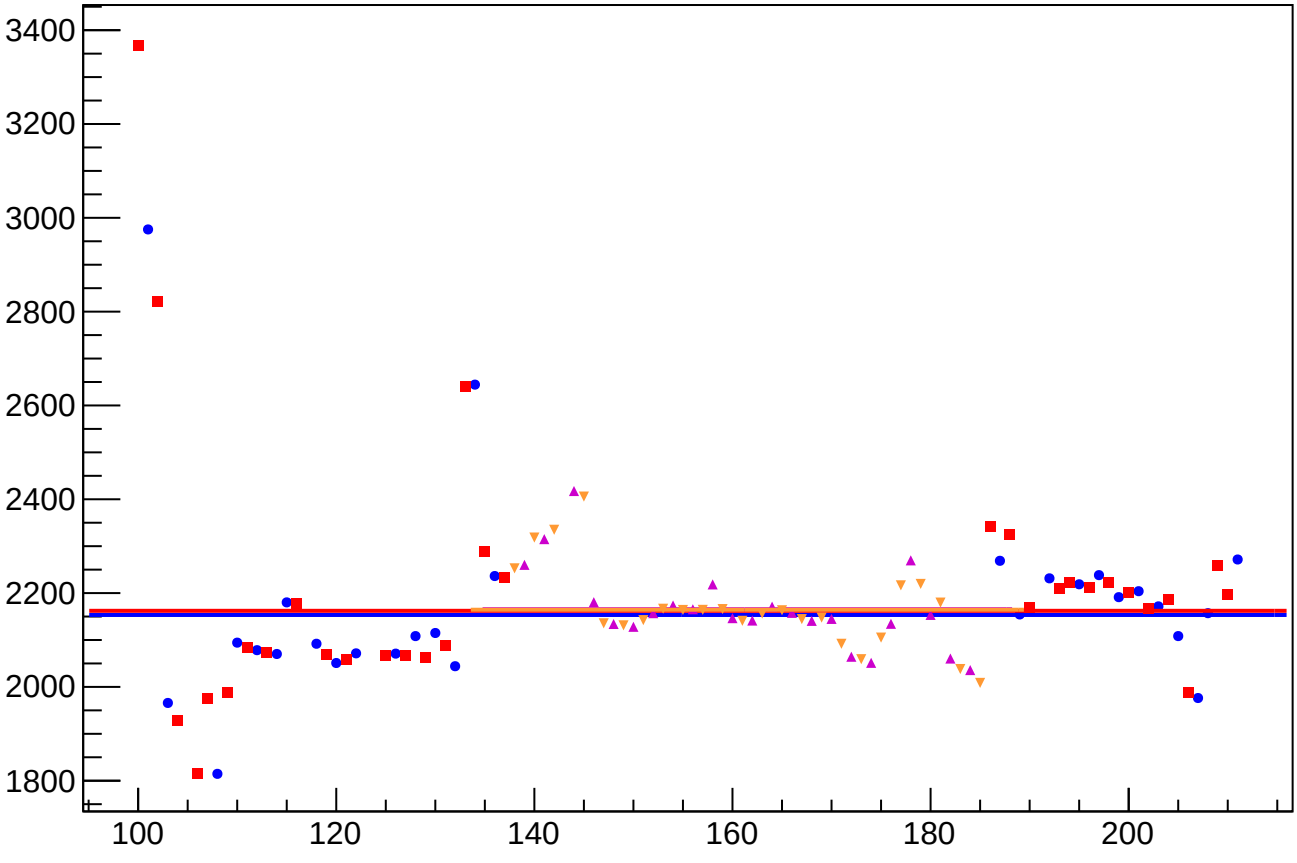
Left In: 385.269+/-506.052 χ^2/NDF:15.6/22

+ sign -807.491+/-364.762 χ^2/NDF: 46.5/51

All: -423.089+/-256.907 χ^2/NDF: 89.6/105

- sign -44.701+/-361.897 χ^2/NDF: 40.8/53

eigen_dit_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2153.352+/-0.375 χ^2/NDF: 205500.1/27

Left Out: 2164.532+/-0.356 χ^2/NDF:50676.3/23

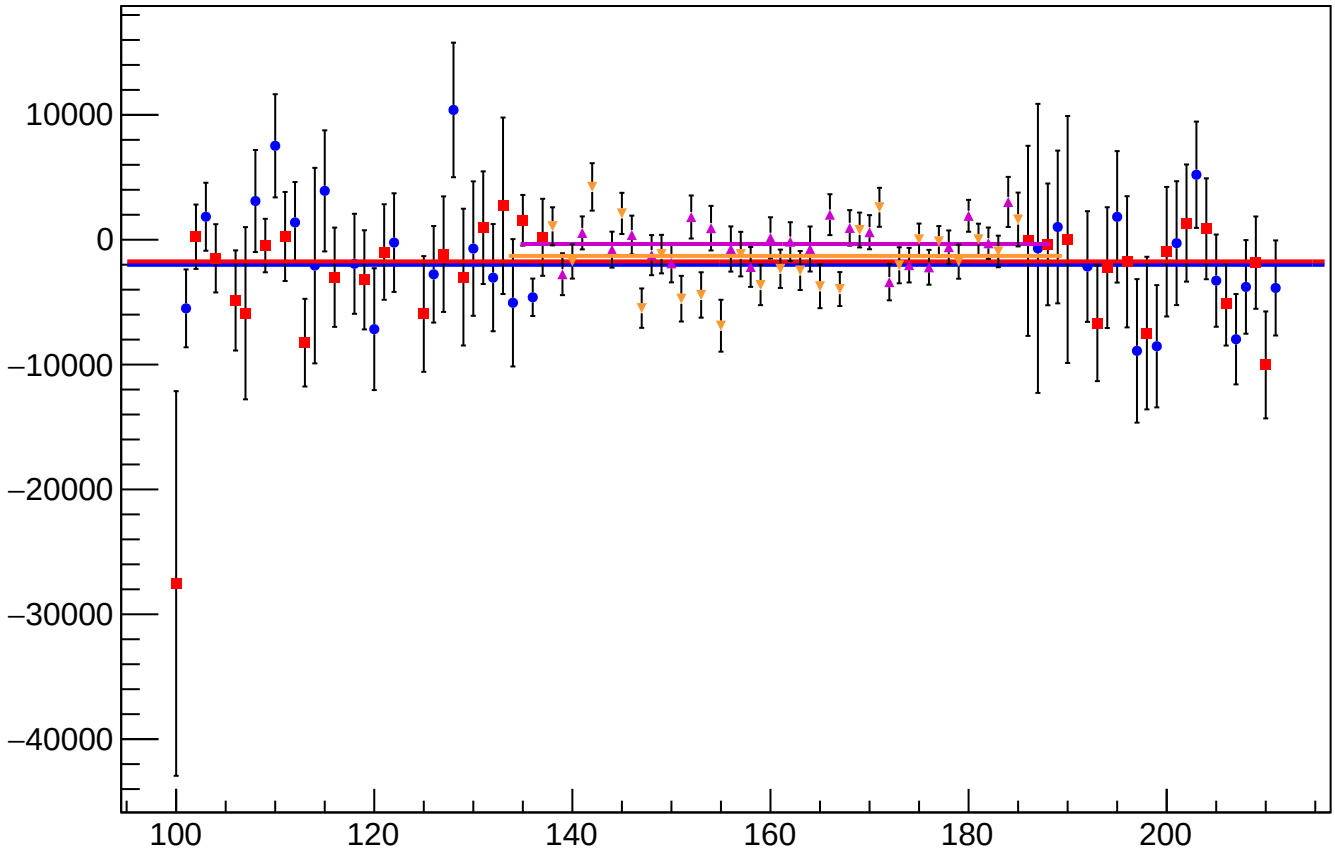
Right Out: 2162.214+/-0.366 χ^2/NDF: 207996.4/30

Left In: 2165.643+/-0.358 χ^2/NDF:52124.4/22

+ sign 2159.235+/-0.258 χ^2/NDF: 256644.8/51

All: 2161.620+/-0.182 χ^2/NDF: 516980.1/105

- sign 2163.968+/-0.256 χ^2/NDF: 260165.7/53



Right In: -2008.655+/-719.514 χ^2/NDF: 33.2/27

Left Out: -1293.717+/-310.622 χ^2/NDF:58.7/23

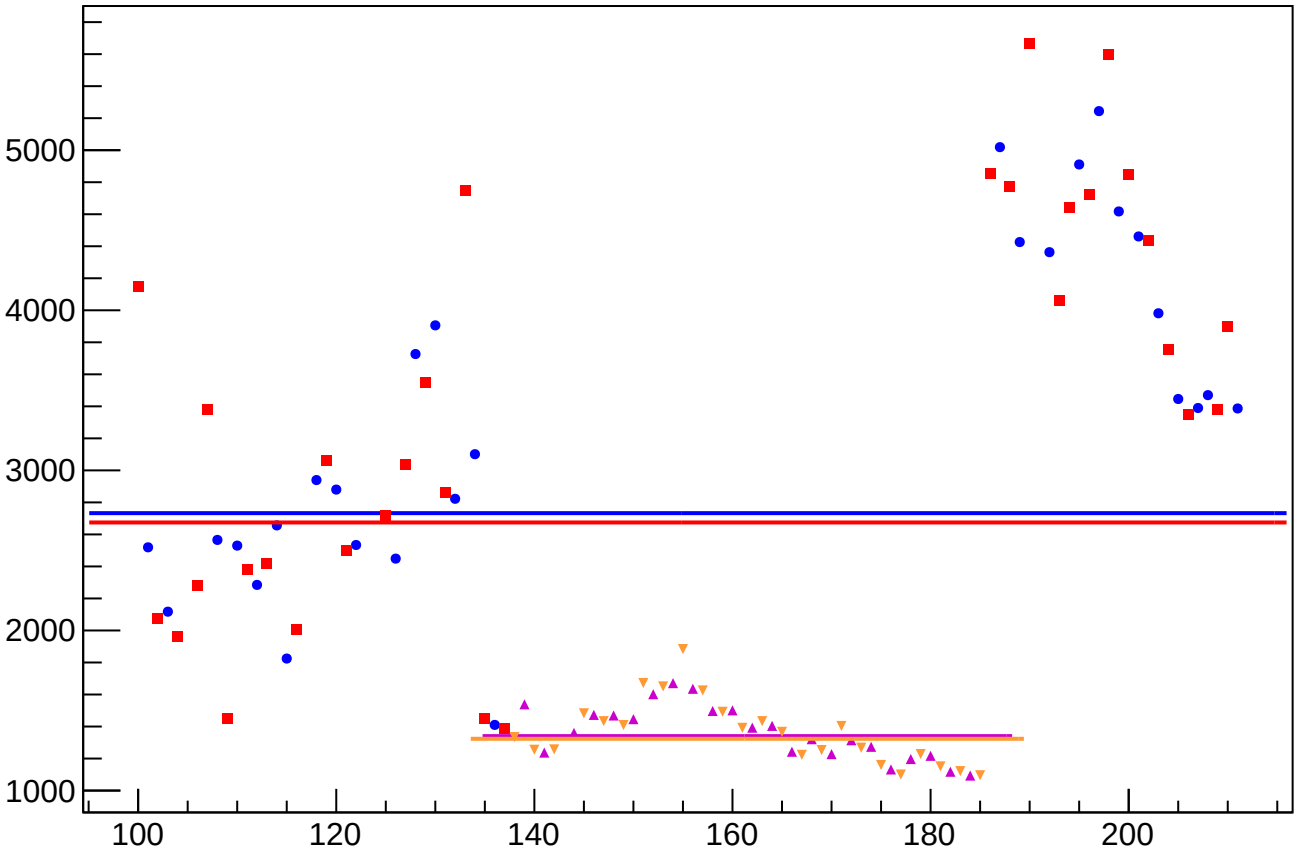
Right Out: -1737.387+/-694.842 χ^2/NDF: 21.3/30

Left In: -341.256+/-315.566 χ^2/NDF:24.8/22

+ sign -1406.030+/-285.181 χ^2/NDF: 92.7/51

All: -996.094+/-202.406 χ^2/NDF: 146.2/105

- sign -579.979+/-287.323 χ^2/NDF: 49.4/53



Right In: 2732.854+/-0.509 χ^2/NDF: 4198089.1/27

Left Out: 1323.402+/-0.220 χ^2/NDF:663857.6/23

Right Out: 2674.666+/-0.491 χ^2/NDF: 5457115.0/30

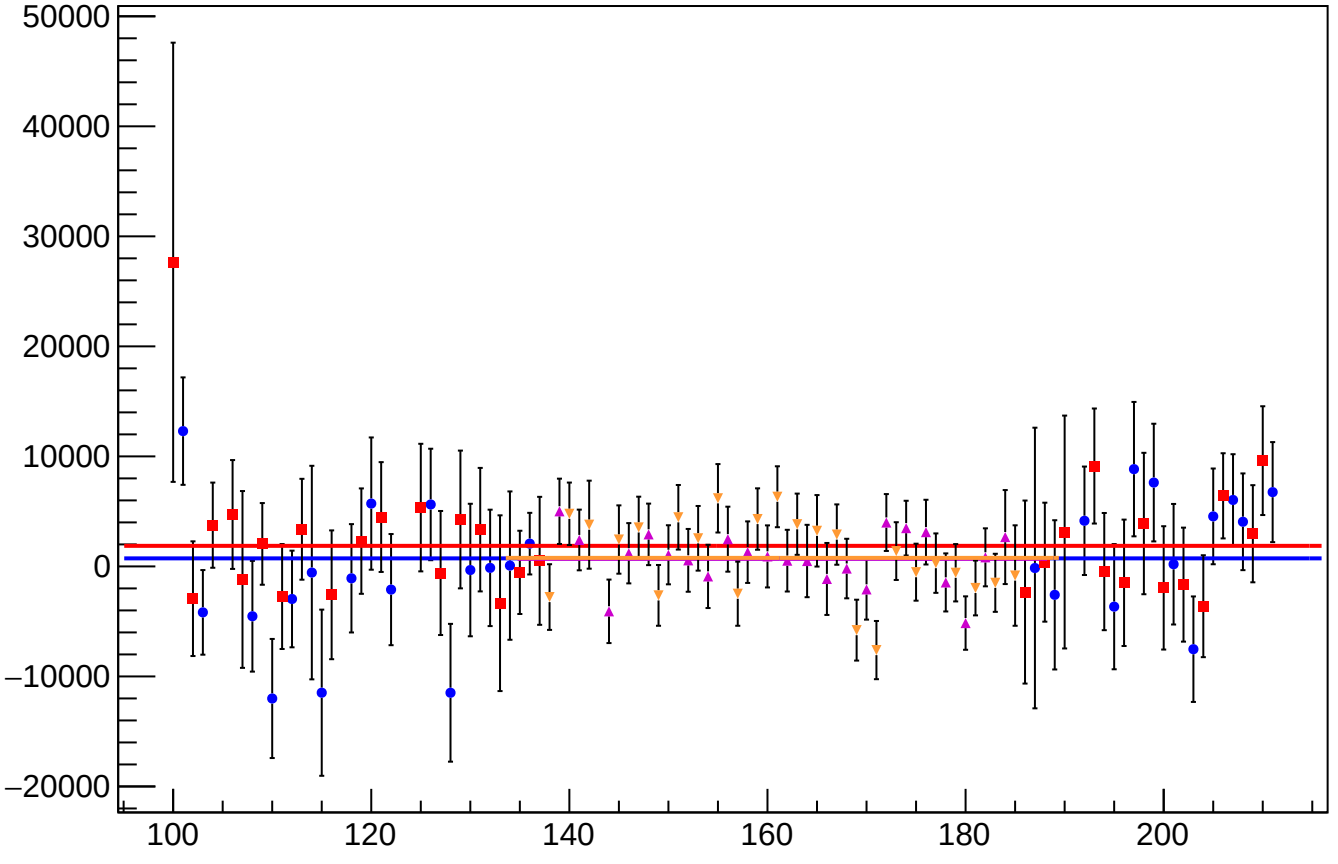
Left In: 1340.083+/-0.223 χ^2/NDF:494276.1/22

+ sign 1544.821+/-0.202 χ^2/NDF: 11330850.8/51

All: 1556.464+/-0.143 χ^2/NDF: 23405550.6/1

- sign 1568.282+/-0.203 χ^2/NDF: 12067982.7/53

asym_us_dd_at2lr_dd_avg_mean vs Slug



Right In: 730.697+/-954.402 χ^2/NDF: 35.8/27

Left Out: 774.788+/-583.692 χ^2/NDF:39.3/23

Right Out: 1868.944+/-940.042 χ^2/NDF: 15.9/30

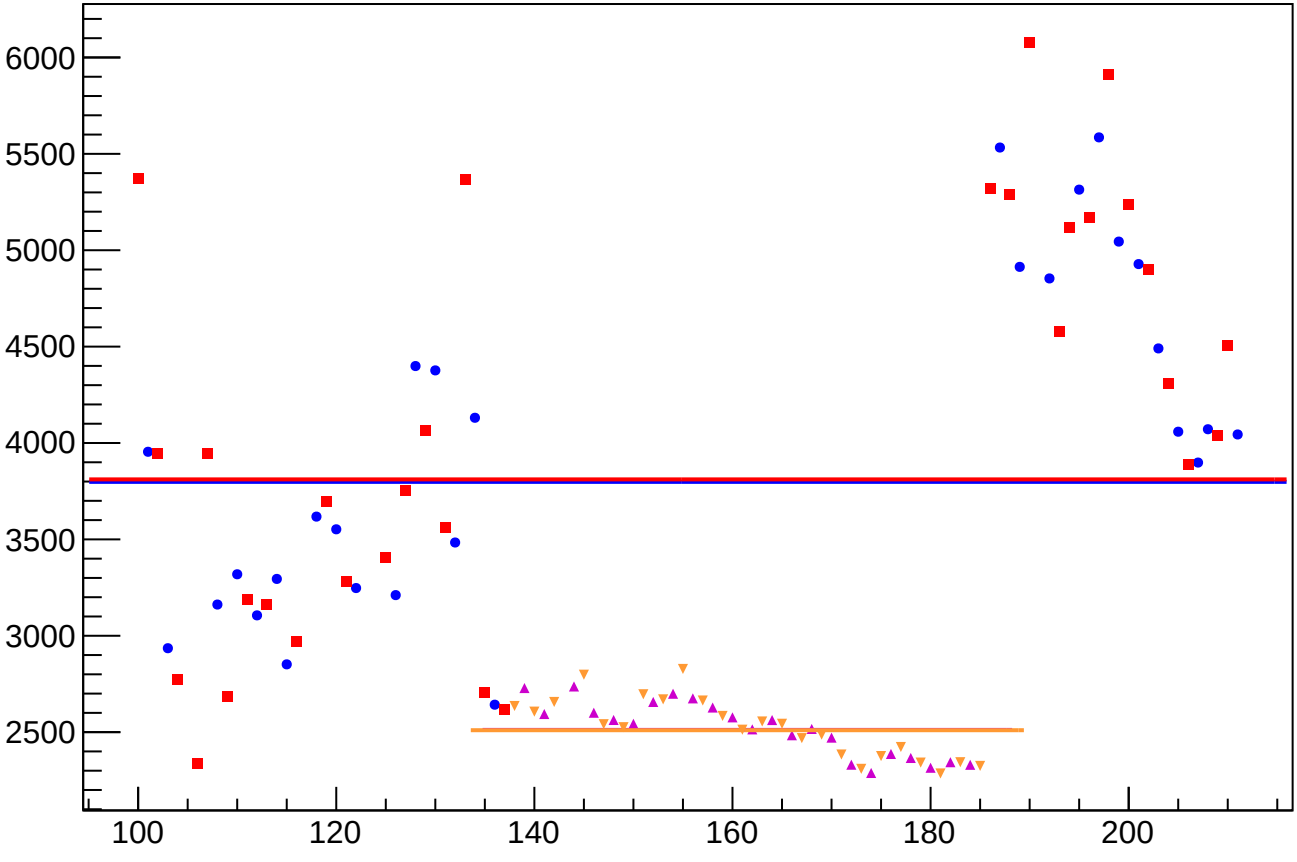
Left In: 689.981+/-587.431 χ^2/NDF:18.3/22

\+ sign 762.785+/-497.950 χ^2/NDF: 75.2/51

All: 891.874+/-352.179 χ^2/NDF: 110.7/105

\- sign 1021.073+/-498.163 χ^2/NDF: 35.4/53

asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 3798.417+/-0.675 χ^2/NDF: 1436434.6/27

Left Out: 2510.069+/-0.413 χ^2/NDF:128632.5/23

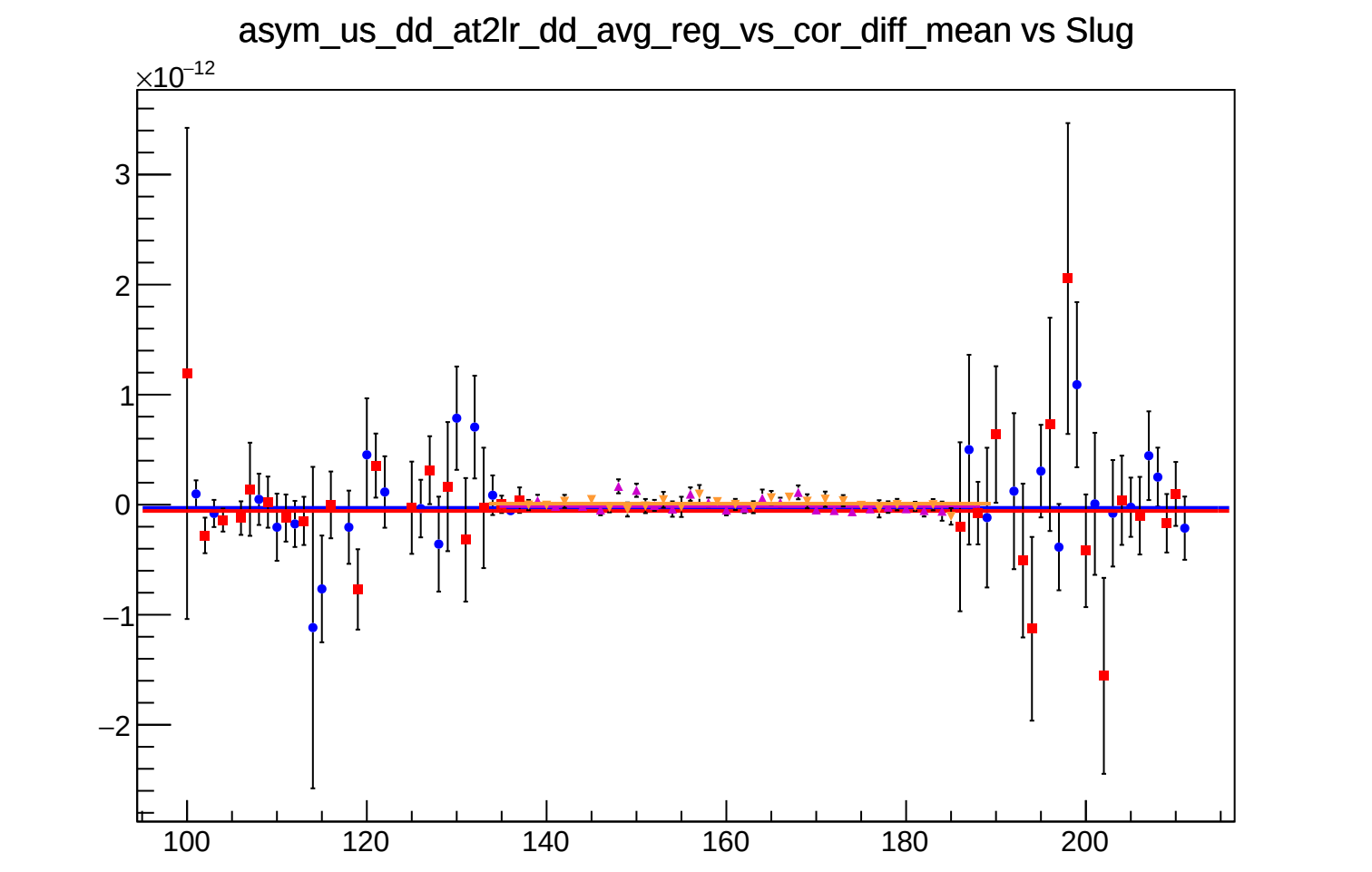
Right Out: 3811.223+/-0.665 χ^2/NDF: 2089463.8/30

Left In: 2511.613+/-0.415 χ^2/NDF:113485.5/22

+ sign 2860.775+/-0.352 χ^2/NDF: 4217463.8/51

All: 2868.679+/-0.249 χ^2/NDF: 9170560.9/10

- sign 2876.591+/-0.352 χ^2/NDF: 4952088.7/53


asym_us_dd_at2lr_dd_avg_reg_vs_cor_diff_mean vs Slug
×10^−12
3
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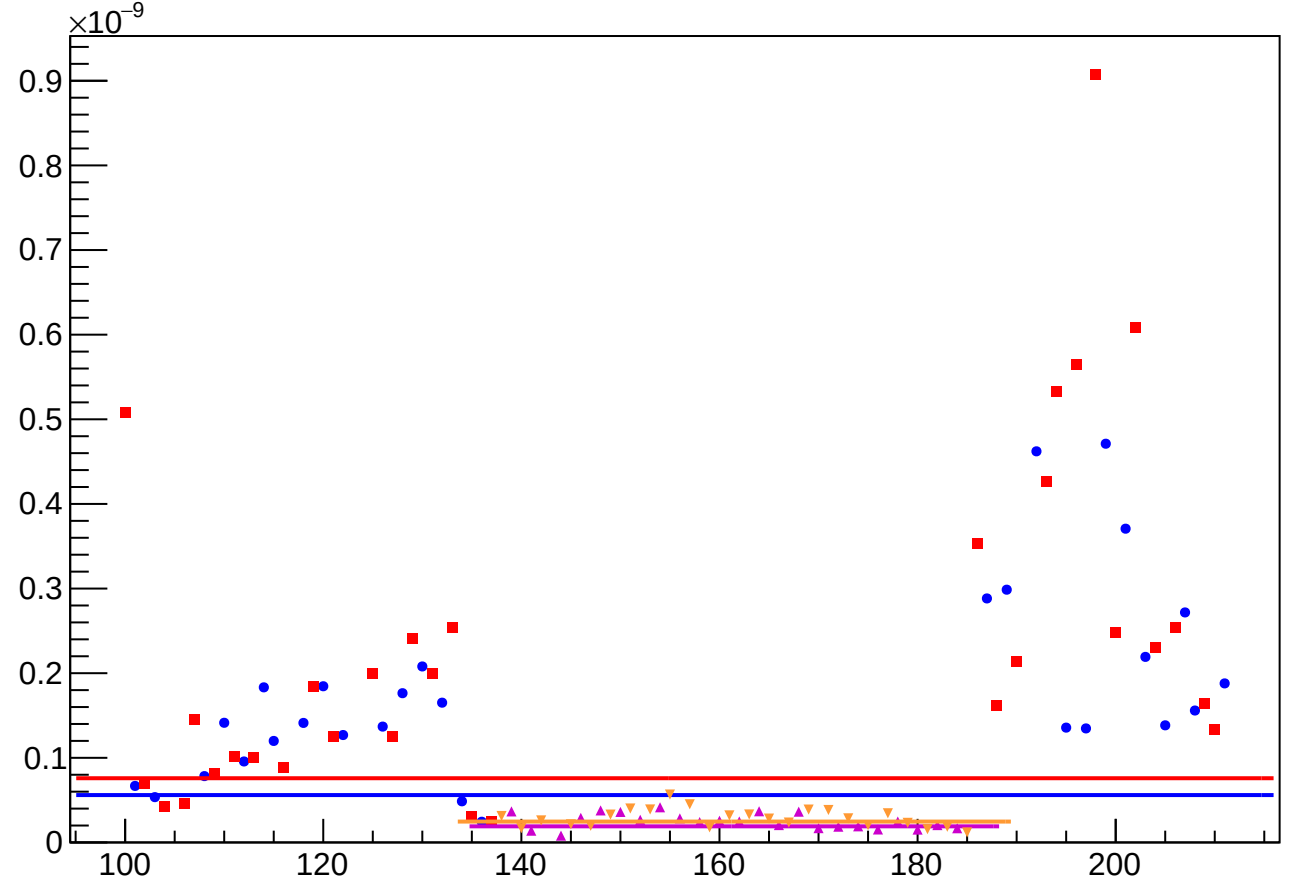
180
200
Right In: -0.000+/-0.000 χ²/NDF: 20.2/27
Left Out: 0.000+/-0.000 χ²/NDF:12.2/23
Right Out: -0.000+/-0.000 χ²/NDF: 22.7/30
Left In: -0.000+/-0.000 χ²/NDF:30.9/22
+ sign 0.000+/-0.000 χ²/NDF: 33.6/51
All: -0.000+/-0.000 χ²/NDF: 91.2/105
- sign -0.000+/-0.000 χ²/NDF: 54.7/53



Right In: 0.000+/-0.000 χ^2/NDF: 6503861.5/27

Left Out: 0.000+/-0.000 χ^2/NDF:1413212.9/23

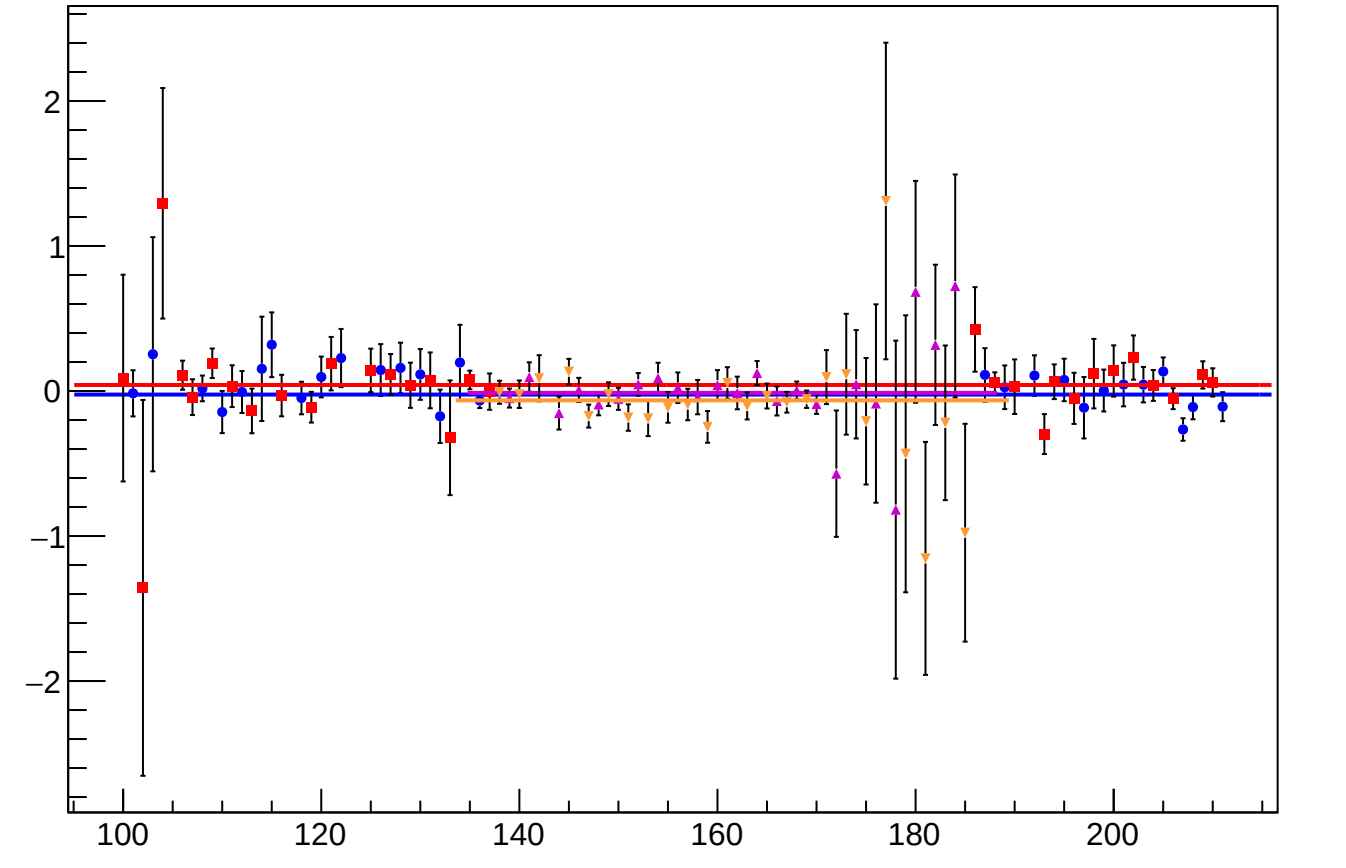
Right Out: 0.000+/-0.000 χ^2/NDF: 7331014.1/30

Left In: 0.000+/-0.000 χ^2/NDF:2190334.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 9568428.6/51

All: 0.000+/-0.000 χ^2/NDF: 23231354.6/105

- sign 0.000+/-0.000 χ^2/NDF: 13231333.8/53



Right In: -0.025+/-0.023 χ^2/NDF: 27.5/27

Left Out: -0.064+/-0.022 χ^2/NDF:22.3/23

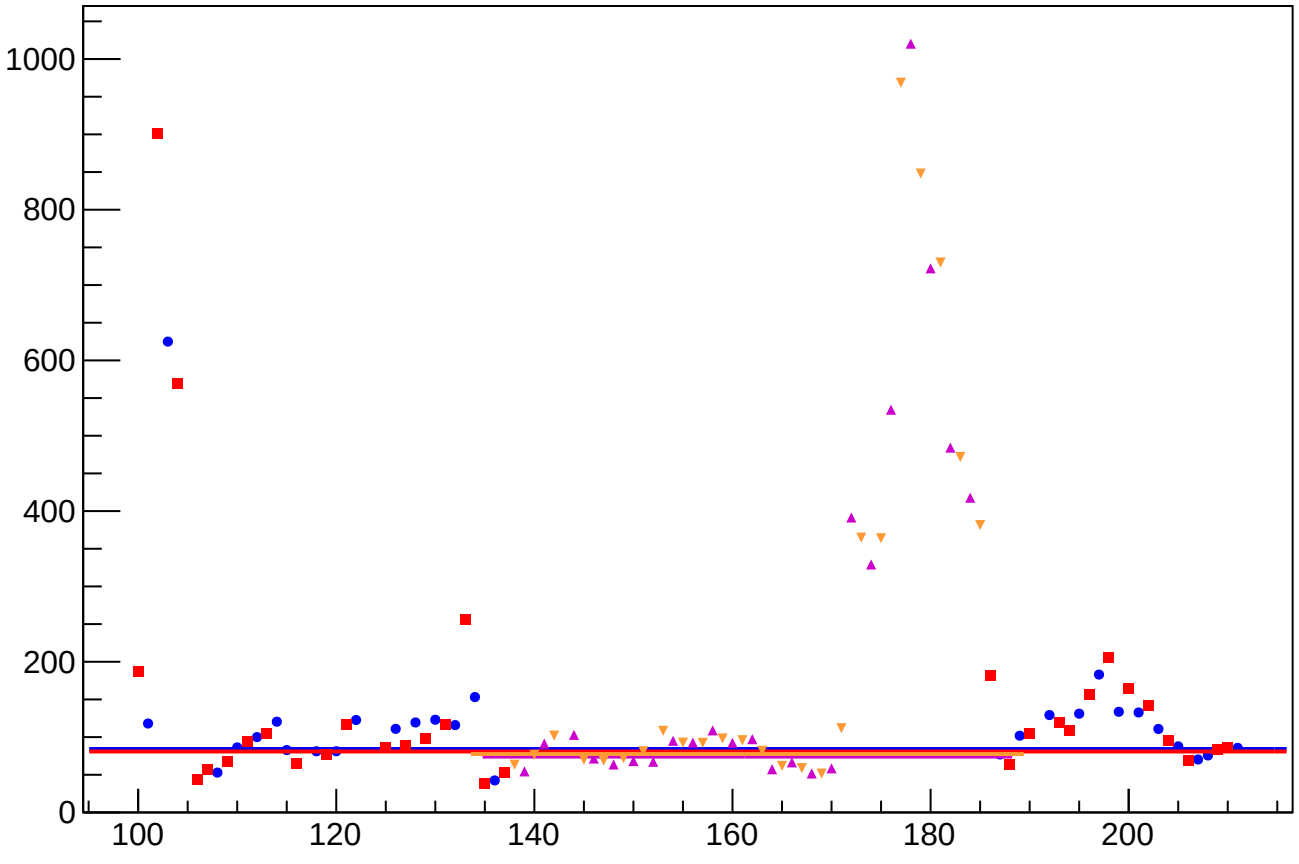
Right Out: 0.042+/-0.022 χ^2/NDF: 25.4/30

Left In: -0.013+/-0.021 χ^2/NDF:15.0/22

+ sign -0.046+/-0.016 χ^2/NDF: 51.4/51

All: -0.015+/-0.011 χ^2/NDF: 101.8/105

- sign 0.013+/-0.015 χ^2/NDF: 43.6/53



Right In: 84.203+/-0.017 χ^2/NDF: 4589593.6/27

Left Out: 77.533+/-0.016 χ^2/NDF:8331194.0/23

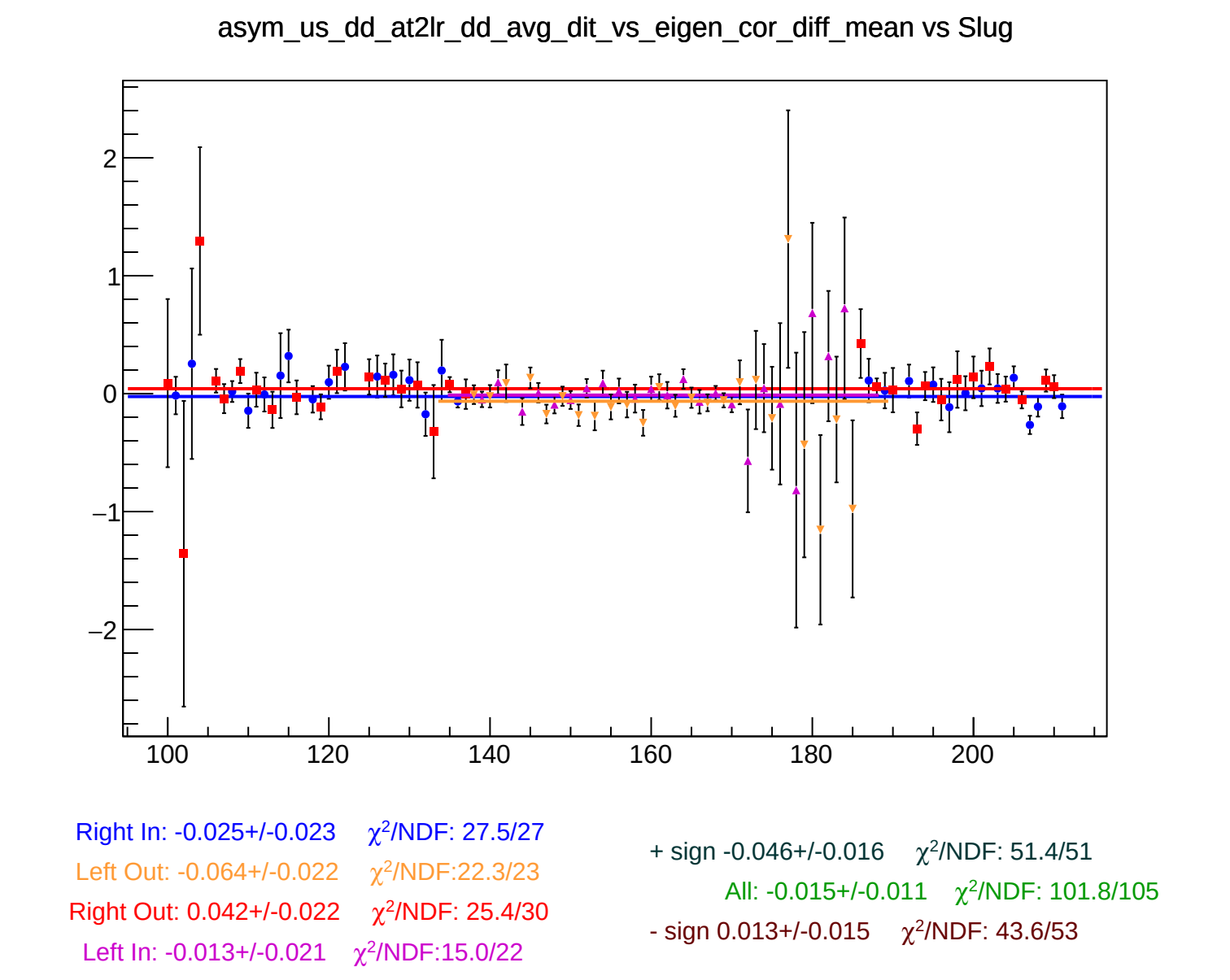
Right Out: 80.911+/-0.016 χ^2/NDF: 6051647.7/30

Left In: 74.216+/-0.015 χ^2/NDF:8514080.5/22

+ sign 80.681+/-0.011 χ^2/NDF: 13006726.3/51

All: 78.948+/-0.008 χ^2/NDF: 27711338.0/105

- sign 77.356+/-0.011 χ^2/NDF: 14659944.9/53


asym_us_dd_at2lr_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug
2
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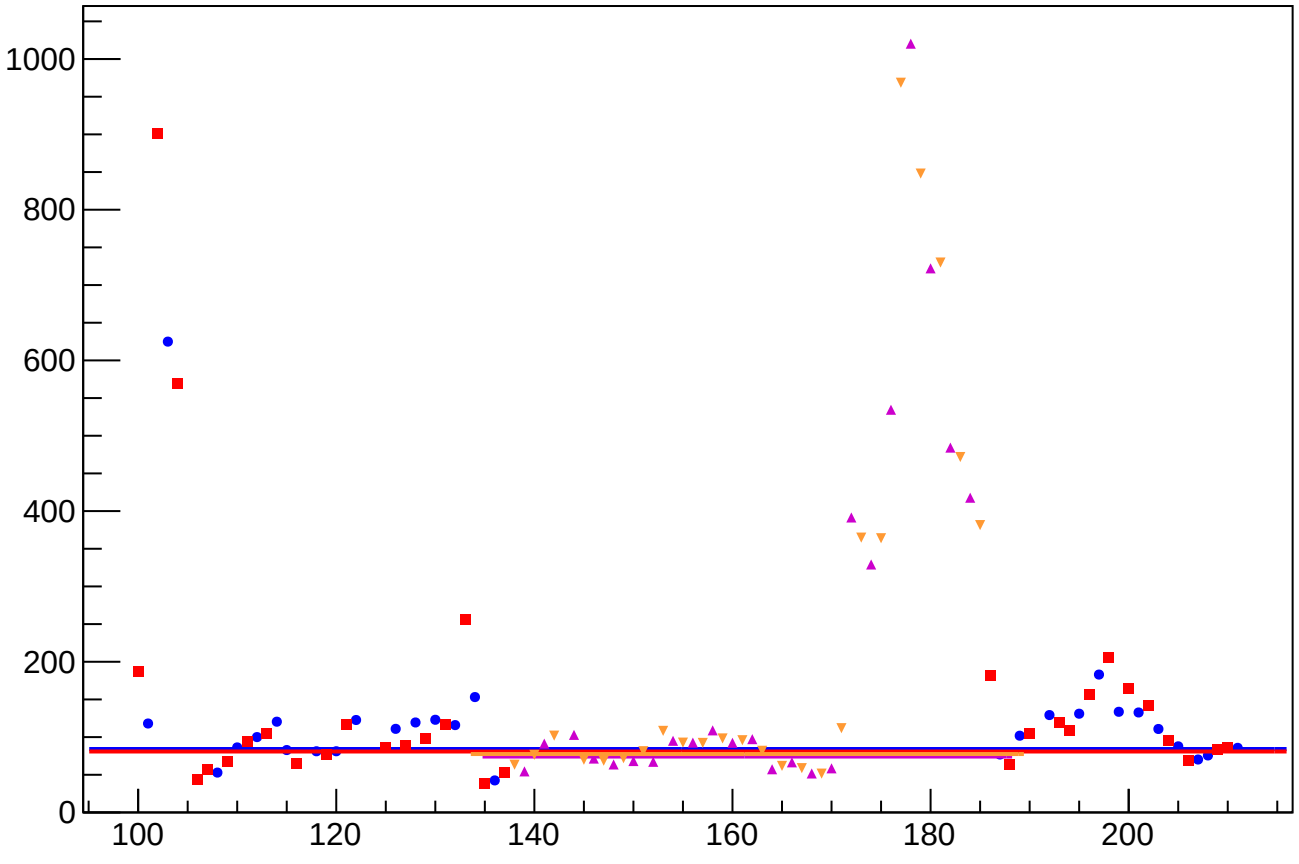
−2
100
120
140
160
180
200
Right In: -0.025+/-0.023 χ²/NDF: 27.5/27
Left Out: -0.064+/-0.022 χ²/NDF:22.3/23
Right Out: 0.042+/-0.022 χ²/NDF: 25.4/30
Left In: -0.013+/-0.021 χ²/NDF:15.0/22
+ sign -0.046+/-0.016 χ²/NDF: 51.4/51
All: -0.015+/-0.011 χ²/NDF: 101.8/105
- sign 0.013+/-0.015 χ²/NDF: 43.6/53



Right In: 84.203+/-0.017 χ^2/NDF: 4589593.6/27

Left Out: 77.533+/-0.016 χ^2/NDF:8331194.0/23

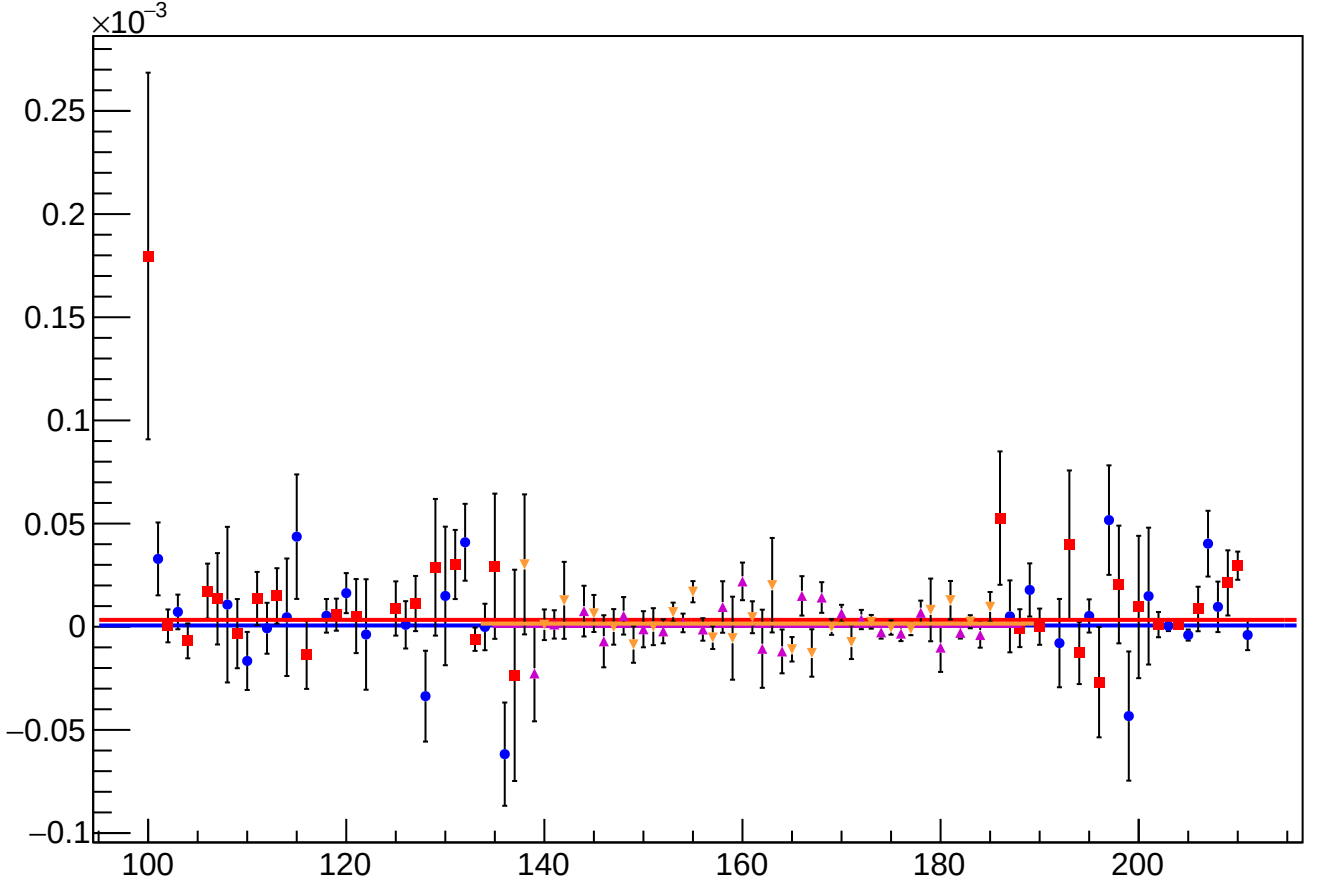
Right Out: 80.911+/-0.016 χ^2/NDF: 6051647.7/30

Left In: 74.216+/-0.015 χ^2/NDF:8514080.5/22

+ sign 80.681+/-0.011 χ^2/NDF: 13006726.3/51

All: 78.948+/-0.008 χ^2/NDF: 27711338.0/105

- sign 77.356+/-0.011 χ^2/NDF: 14659944.9/53



Right In: 0.000+/-0.000 χ^2/NDF: 42.4/27

Left Out: 0.000+/-0.000 χ^2/NDF:27.1/23

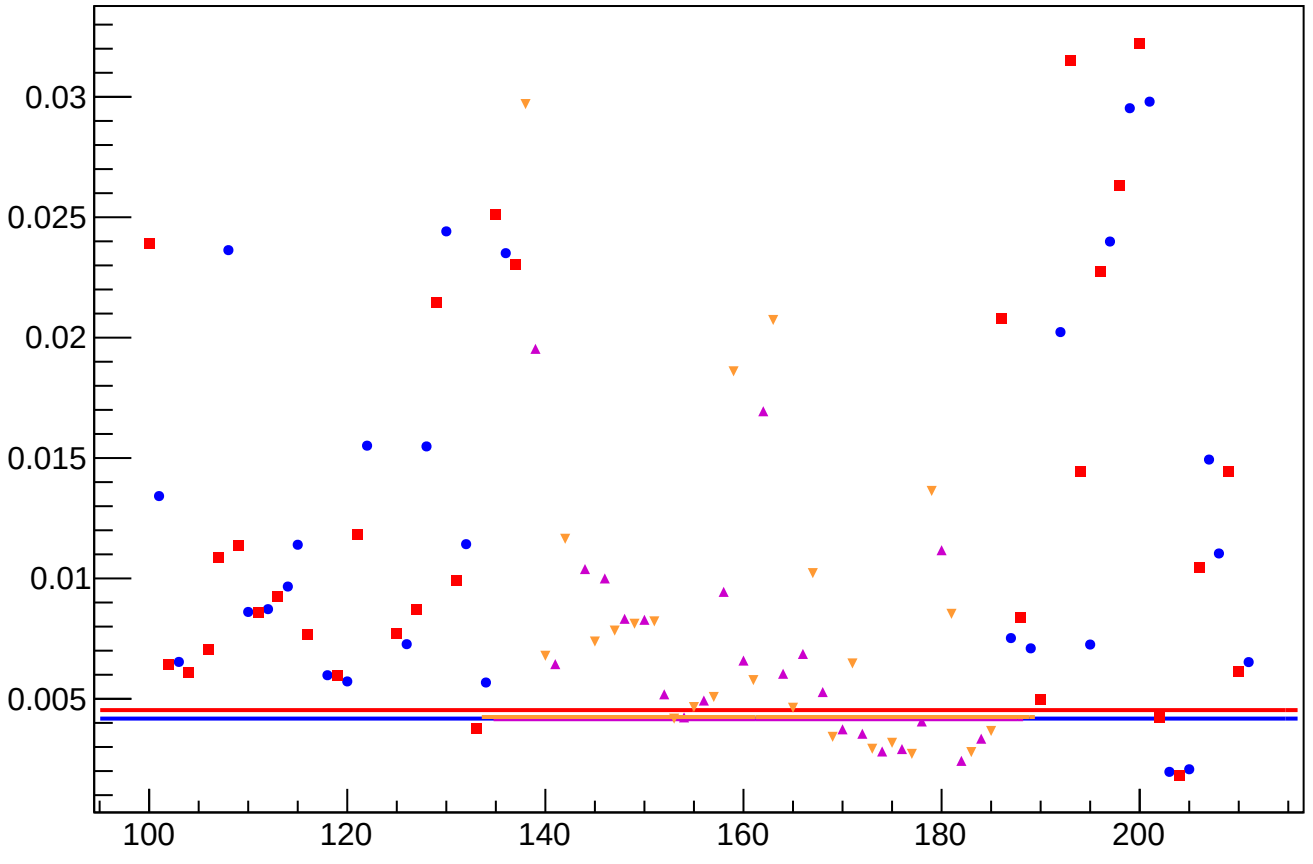
Right Out: 0.000+/-0.000 χ^2/NDF: 40.6/30

Left In: 0.000+/-0.000 χ^2/NDF:24.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 69.7/51

All: 0.000+/-0.000 χ^2/NDF: 137.5/105

- sign 0.000+/-0.000 χ^2/NDF: 67.6/53



Right In: 0.004+/-0.000 χ^2/NDF: 15106139.2/27

Left Out: 0.004+/-0.000 χ^2/NDF:8650909.7/23

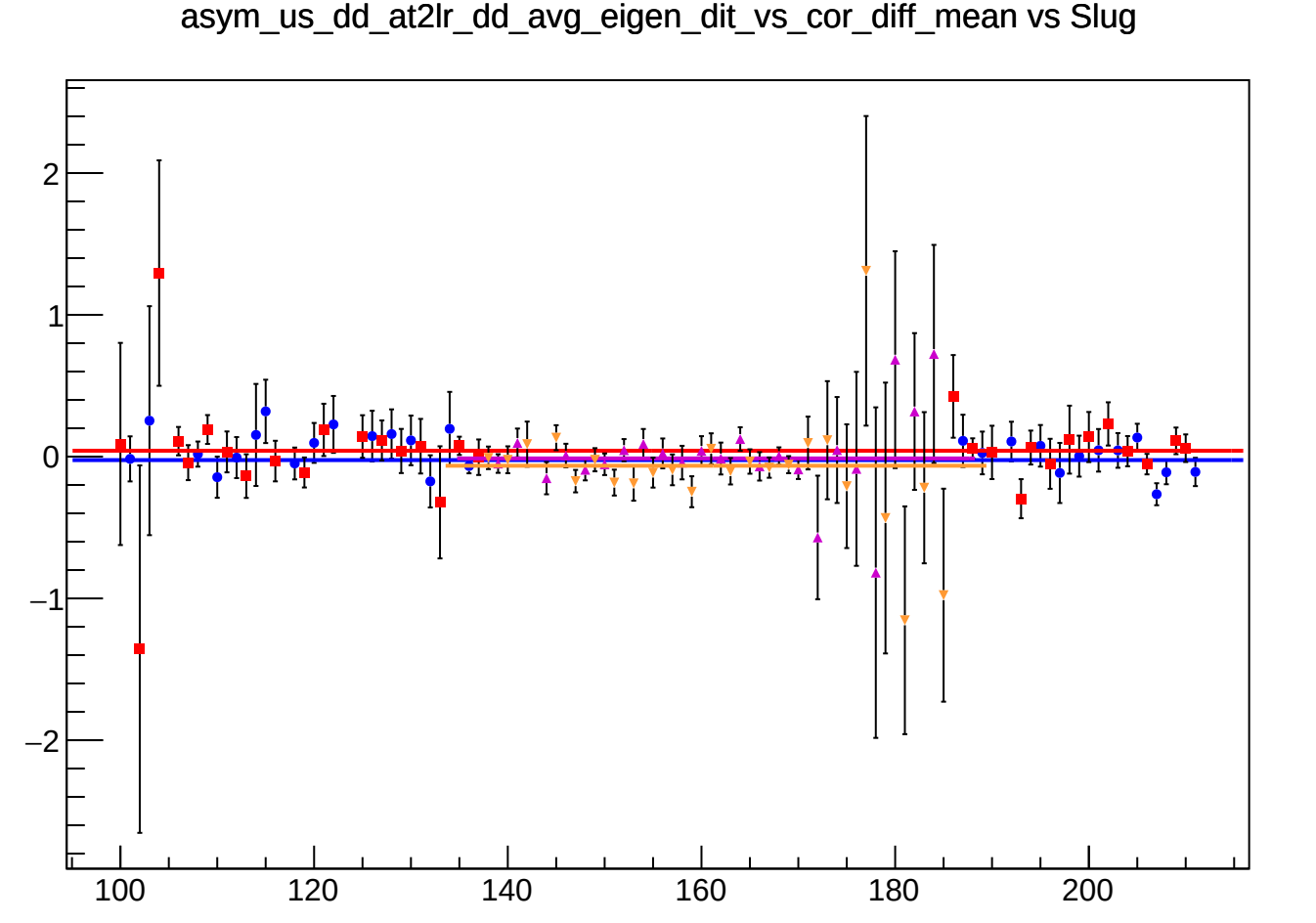
Right Out: 0.005+/-0.000 χ^2/NDF: 14862297.7/30

Left In: 0.004+/-0.000 χ^2/NDF:6886421.5/22

+ sign 0.004+/-0.000 χ^2/NDF: 23759412.4/51

All: 0.004+/-0.000 χ^2/NDF: 45593896.8/105

- sign 0.004+/-0.000 χ^2/NDF: 21827298.2/53



Right In: -0.025+/-0.023 χ^2/NDF: 27.5/27

Left Out: -0.064+/-0.022 χ^2/NDF:22.3/23

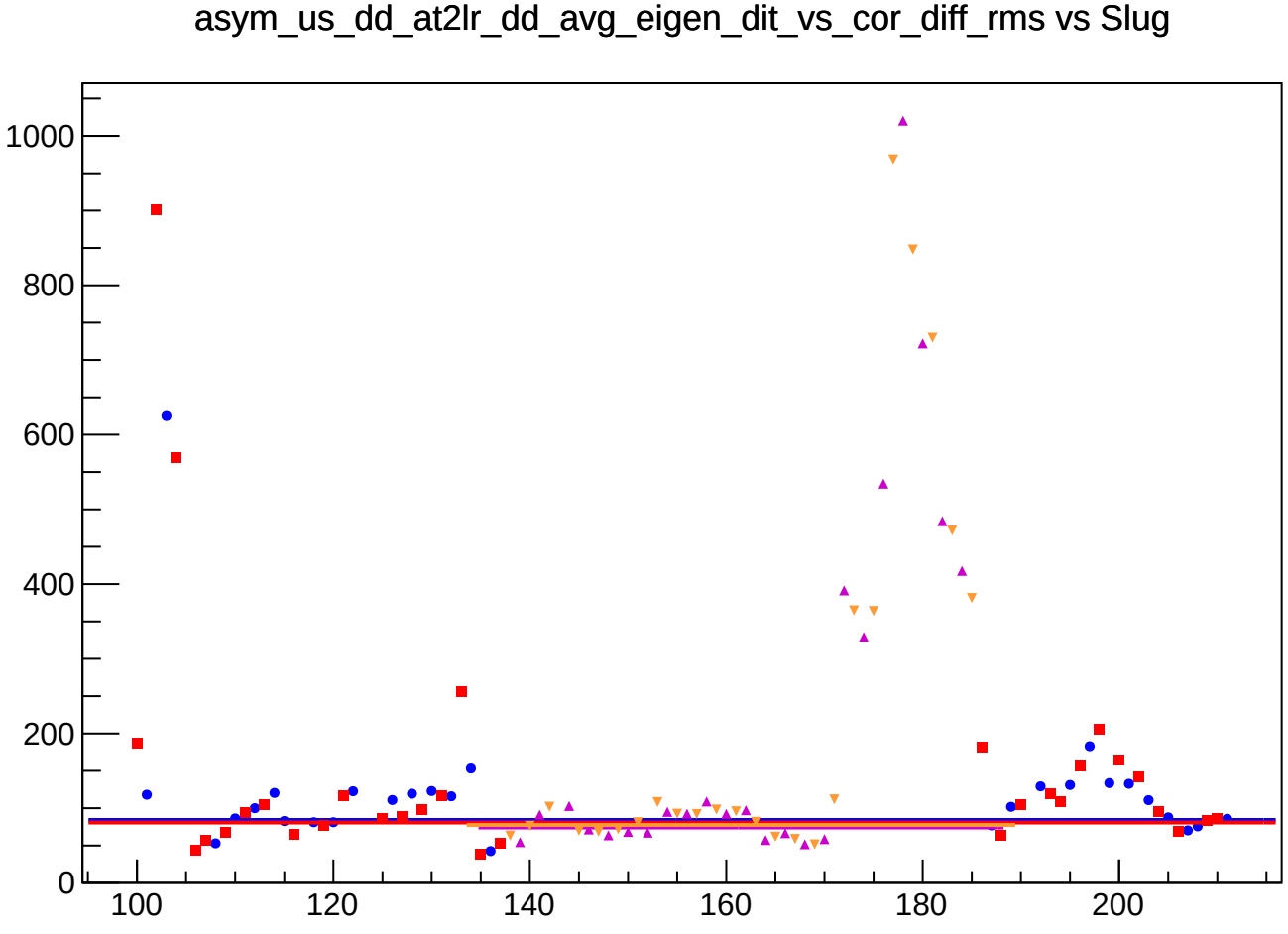
Right Out: 0.042+/-0.022 χ^2/NDF: 25.4/30

Left In: -0.013+/-0.021 χ^2/NDF:15.0/22

+ sign -0.046+/-0.016 χ^2/NDF: 51.4/51

All: -0.015+/-0.011 χ^2/NDF: 101.8/105

- sign 0.013+/-0.015 χ^2/NDF: 43.6/53



Right In: 84.218+/-0.017 χ^2/NDF: 4586214.2/27

Left Out: 77.533+/-0.016 χ^2/NDF:8331106.7/23

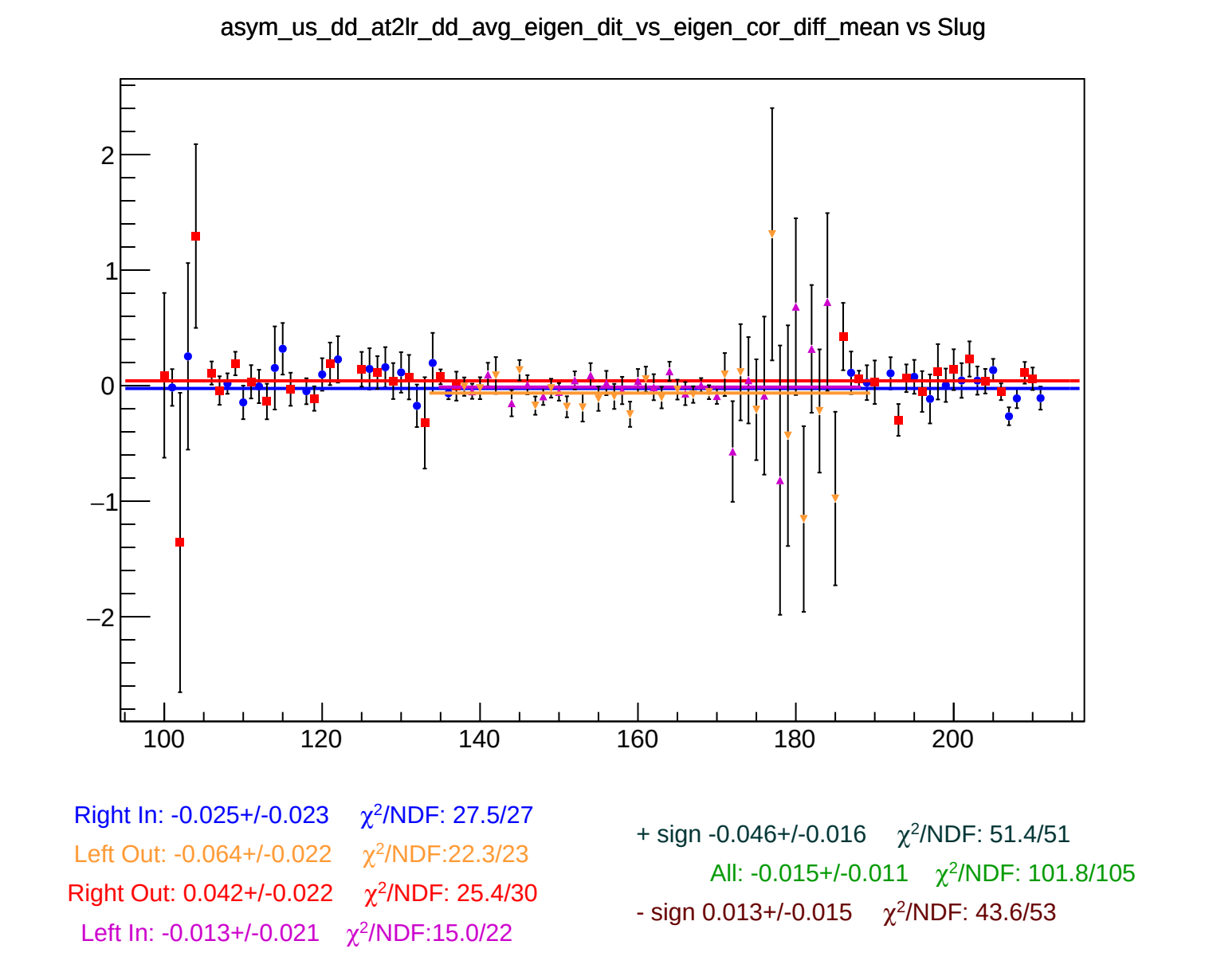
Right Out: 80.904+/-0.016 χ^2/NDF: 6053244.6/30

Left In: 74.217+/-0.015 χ^2/NDF:8513791.3/22

+ sign 80.688+/-0.011 χ^2/NDF: 13003646.5/51

All: 78.950+/-0.008 χ^2/NDF: 27709588.9/105

- sign 77.354+/-0.011 χ^2/NDF: 14661042.9/53


asym_us_dd_at2lr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug
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−2
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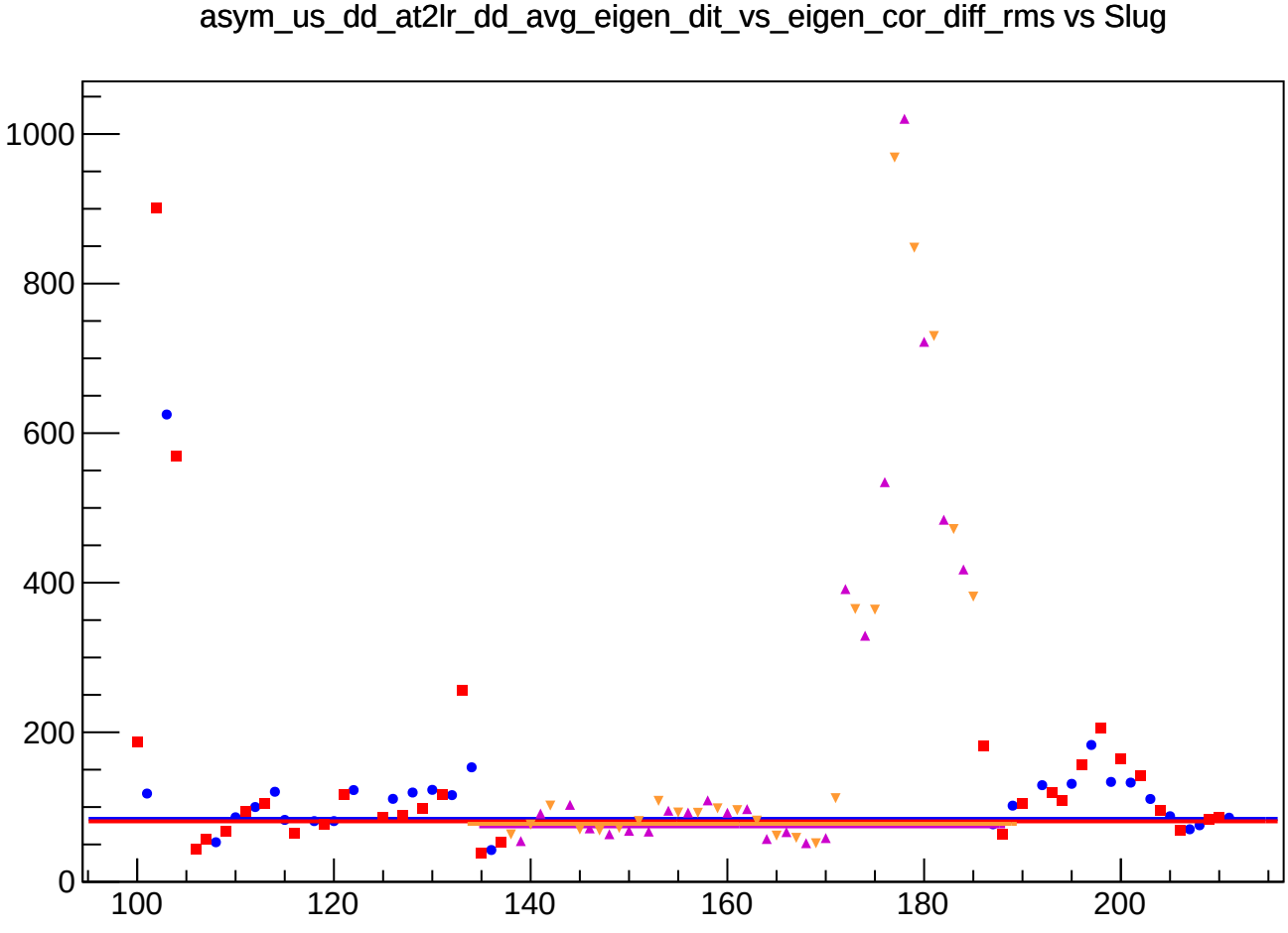
140
160
180
200
Right In: -0.025+/-0.023 χ²/NDF: 27.5/27
Left Out: -0.064+/-0.022 χ²/NDF:22.3/23
Right Out: 0.042+/-0.022 χ²/NDF: 25.4/30
Left In: -0.013+/-0.021 χ²/NDF:15.0/22
+ sign -0.046+/-0.016 χ²/NDF: 51.4/51
All: -0.015+/-0.011 χ²/NDF: 101.8/105
- sign 0.013+/-0.015 χ²/NDF: 43.6/53



Right In: 84.218+/-0.017 χ^2/NDF: 4586214.2/27

Left Out: 77.533+/-0.016 χ^2/NDF:8331106.7/23

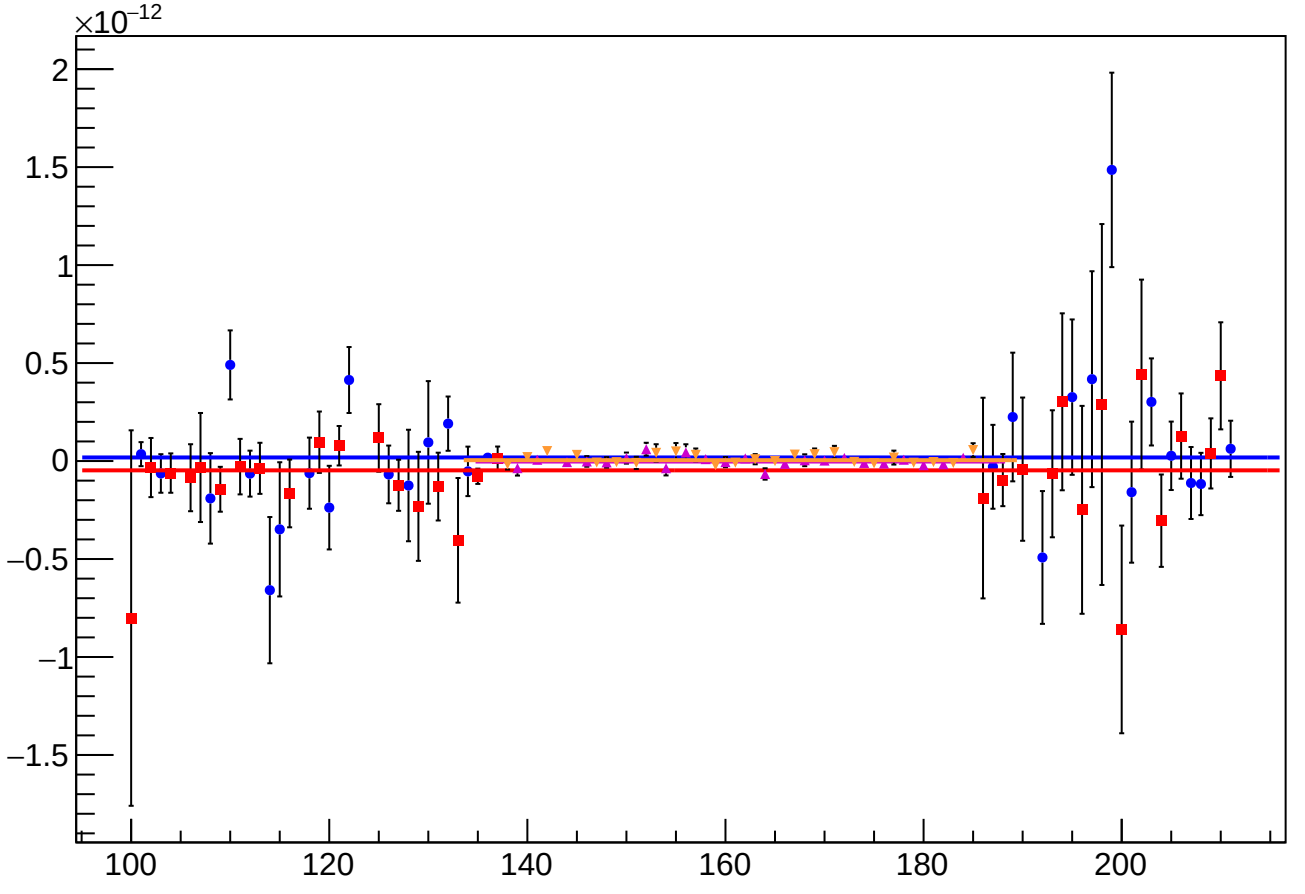
Right Out: 80.904+/-0.016 χ^2/NDF: 6053244.6/30

Left In: 74.217+/-0.015 χ^2/NDF:8513791.3/22

+ sign 80.688+/-0.011 χ^2/NDF: 13003646.5/51

All: 78.950+/-0.008 χ^2/NDF: 27709588.9/105

- sign 77.354+/-0.011 χ^2/NDF: 14661042.9/53



Right In: 0.000+/-0.000 χ^2/NDF: 39.2/27

Left Out: 0.000+/-0.000 χ^2/NDF:21.7/23

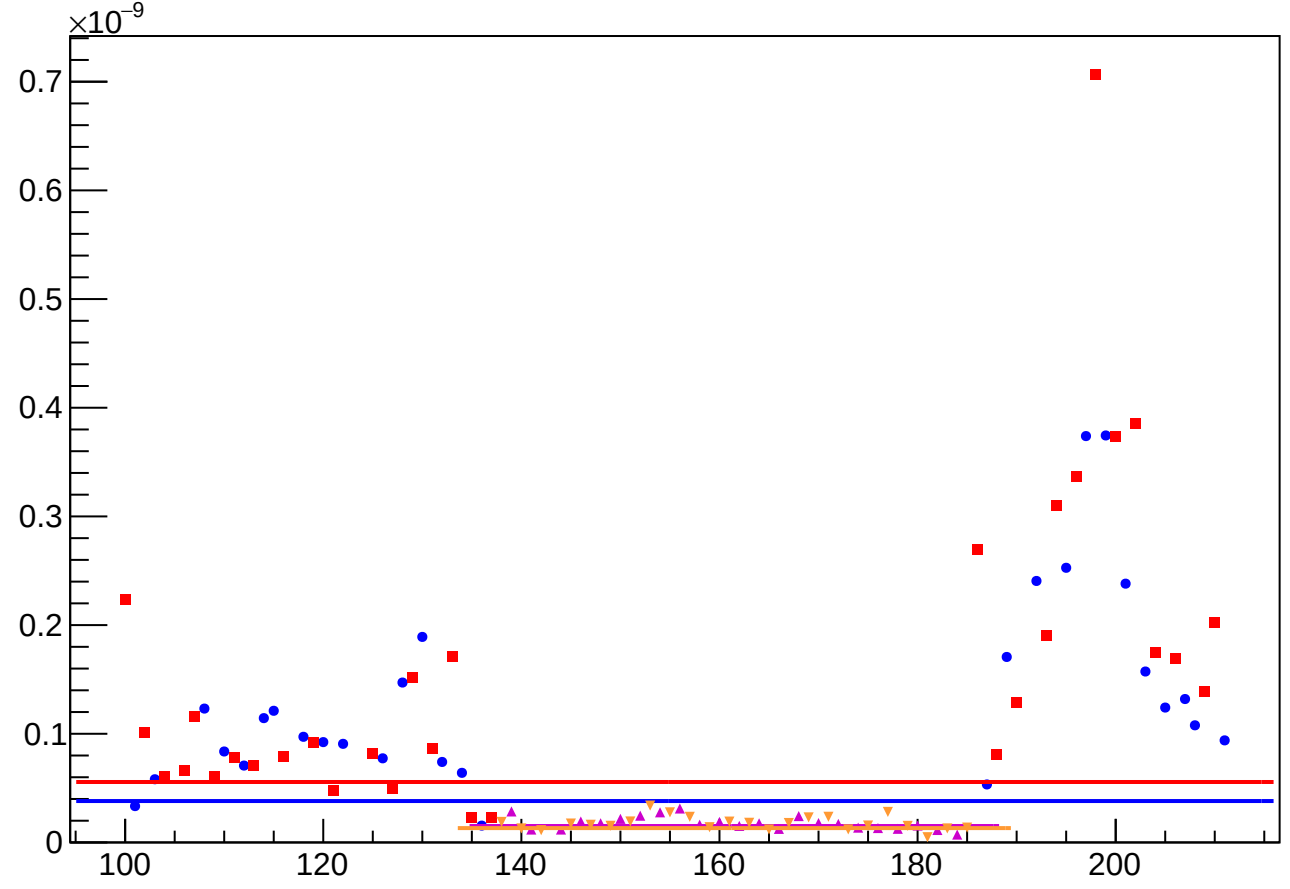
Right Out: -0.000+/-0.000 χ^2/NDF: 18.7/30

Left In: -0.000+/-0.000 χ^2/NDF:17.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 61.4/51

All: 0.000+/-0.000 χ^2/NDF: 103.4/105

- sign -0.000+/-0.000 χ^2/NDF: 39.8/53



Right In: 0.000+/-0.000 χ^2/NDF: 10636603.1/27

Left Out: 0.000+/-0.000 χ^2/NDF:4237321.5/23

Right Out: 0.000+/-0.000 χ^2/NDF: 9957733.0/30

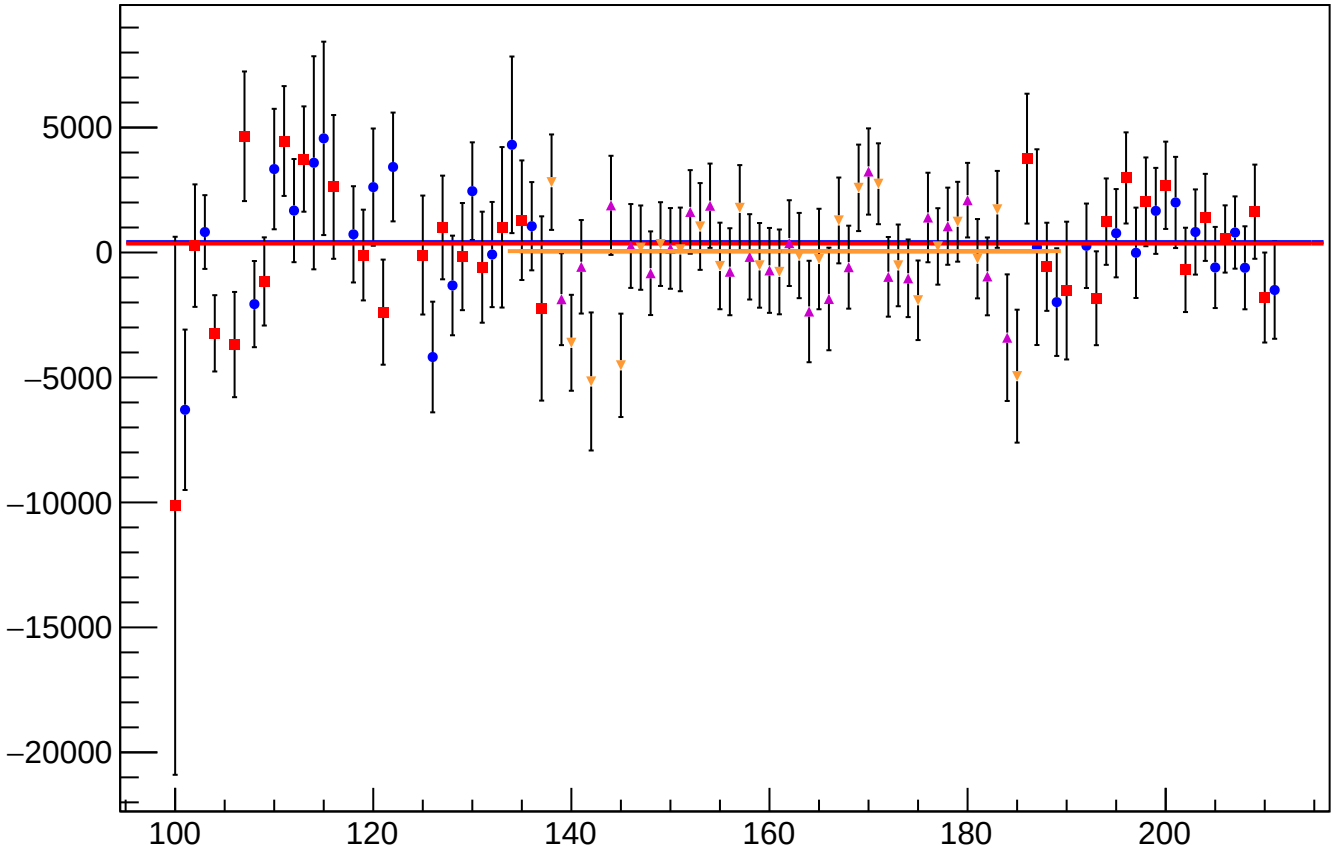
Left In: 0.000+/-0.000 χ^2/NDF:2148796.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 18290143.5/51

All: 0.000+/-0.000 χ^2/NDF: 36337101.5/105

- sign 0.000+/-0.000 χ^2/NDF: 17807037.6/53

reg_asym_us_dd_at2lr_dd_dd_mean vs Slug



Right In: 414.839+/-373.940 χ^2/NDF: 24.9/27

Left Out: 54.770+/-356.375 χ^2/NDF:28.5/23

Right Out: 357.720+/-364.021 χ^2/NDF: 34.6/30

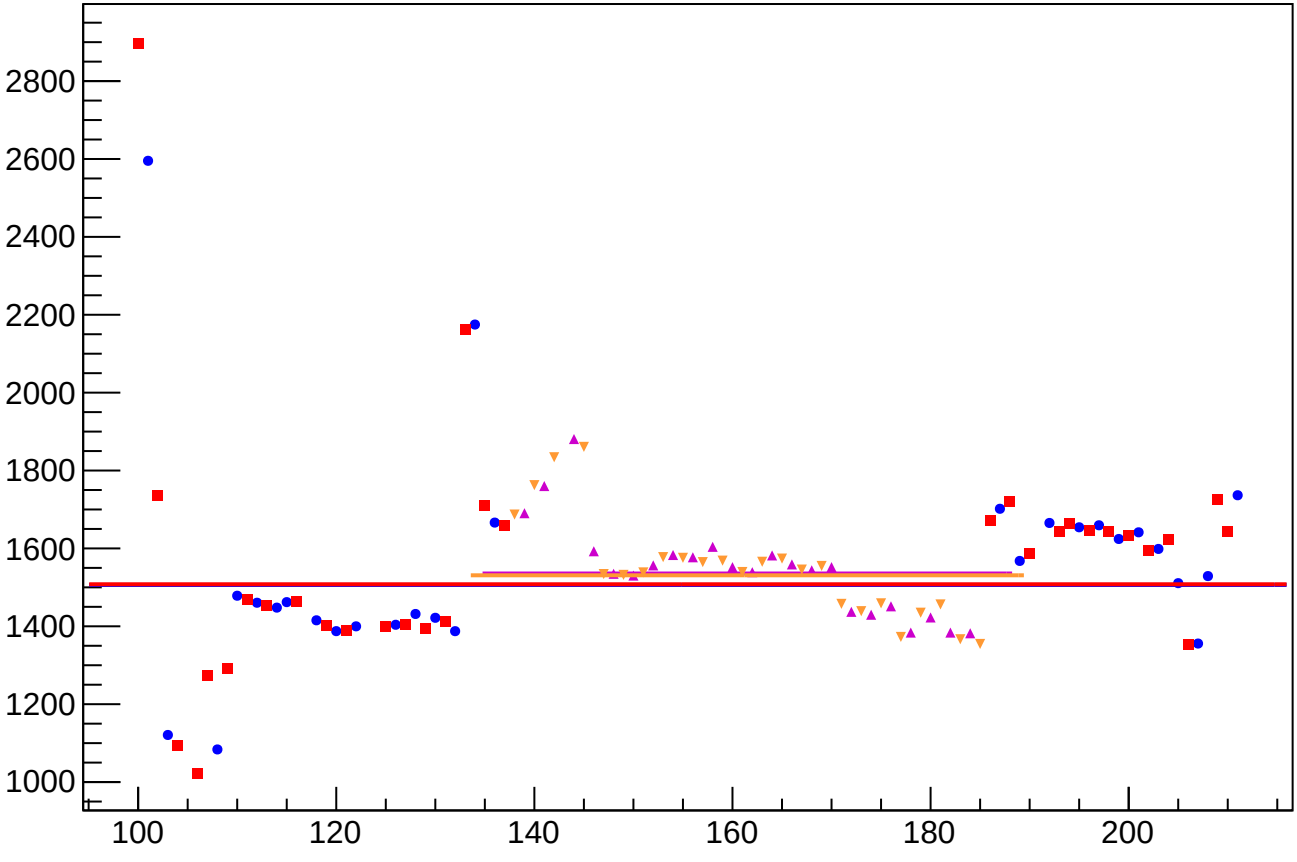
Left In: 48.177+/-359.531 χ^2/NDF:16.8/22

+ sign 226.150+/-257.981 χ^2/NDF: 53.9/51

All: 213.482+/-181.644 χ^2/NDF: 105.7/105

- sign 201.027+/-255.799 χ^2/NDF: 51.8/53

reg_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1506.200+/-0.264 χ^2/NDF: 737253.6/27

Left Out: 1530.976+/-0.252 χ^2/NDF:203539.8/23

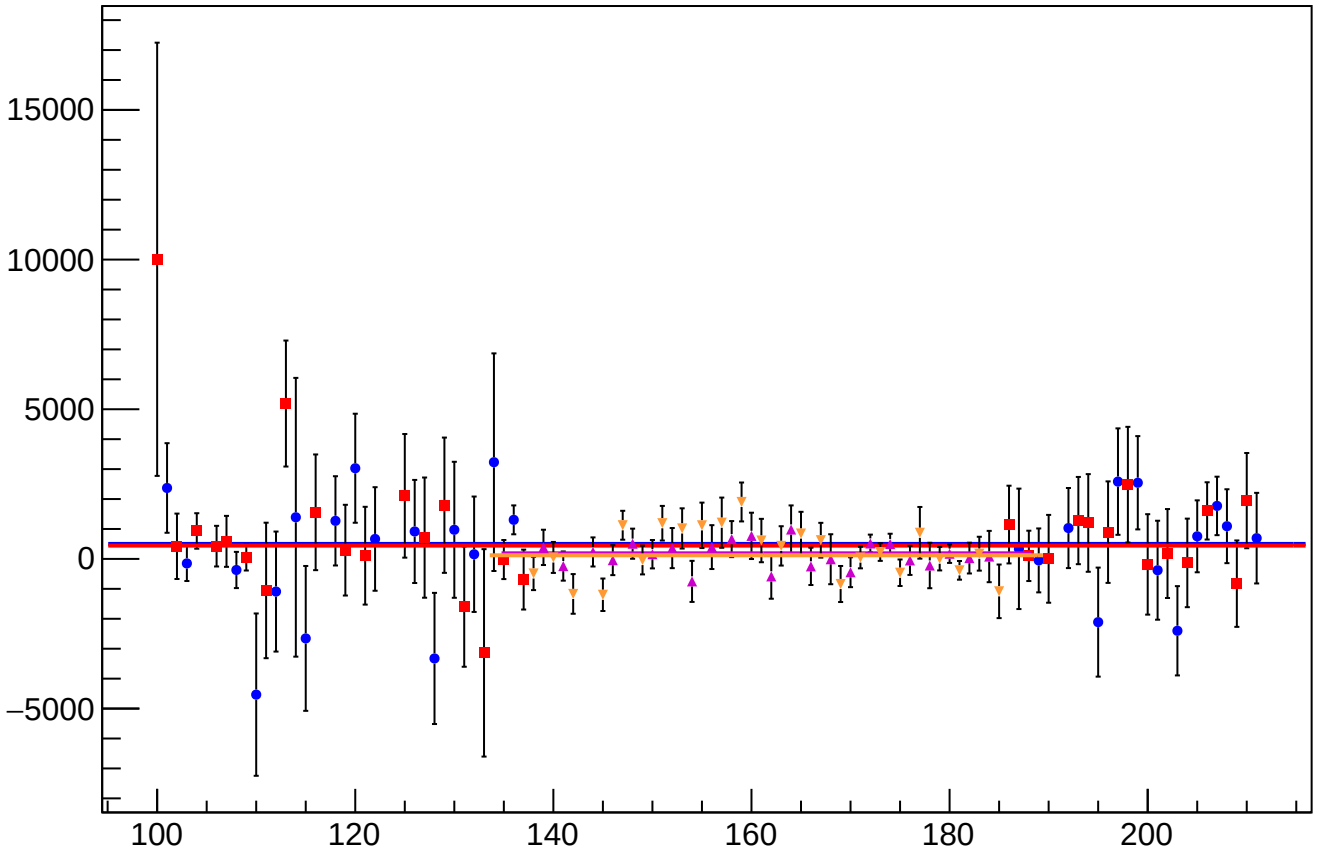
Right Out: 1507.904+/-0.257 χ^2/NDF: 663260.1/30

Left In: 1535.551+/-0.254 χ^2/NDF:192432.7/22

+ sign 1519.183+/-0.182 χ^2/NDF: 945394.4/51

All: 1520.553+/-0.128 χ^2/NDF: 1807038.8/10

- sign 1521.899+/-0.181 χ^2/NDF: 861532.6/53



Right In: 500.480+/-226.474 χ^2/NDF: 31.0/27

Left Out: 121.327+/-105.060 χ^2/NDF:43.6/23

Right Out: 444.317+/-198.143 χ^2/NDF: 19.8/30

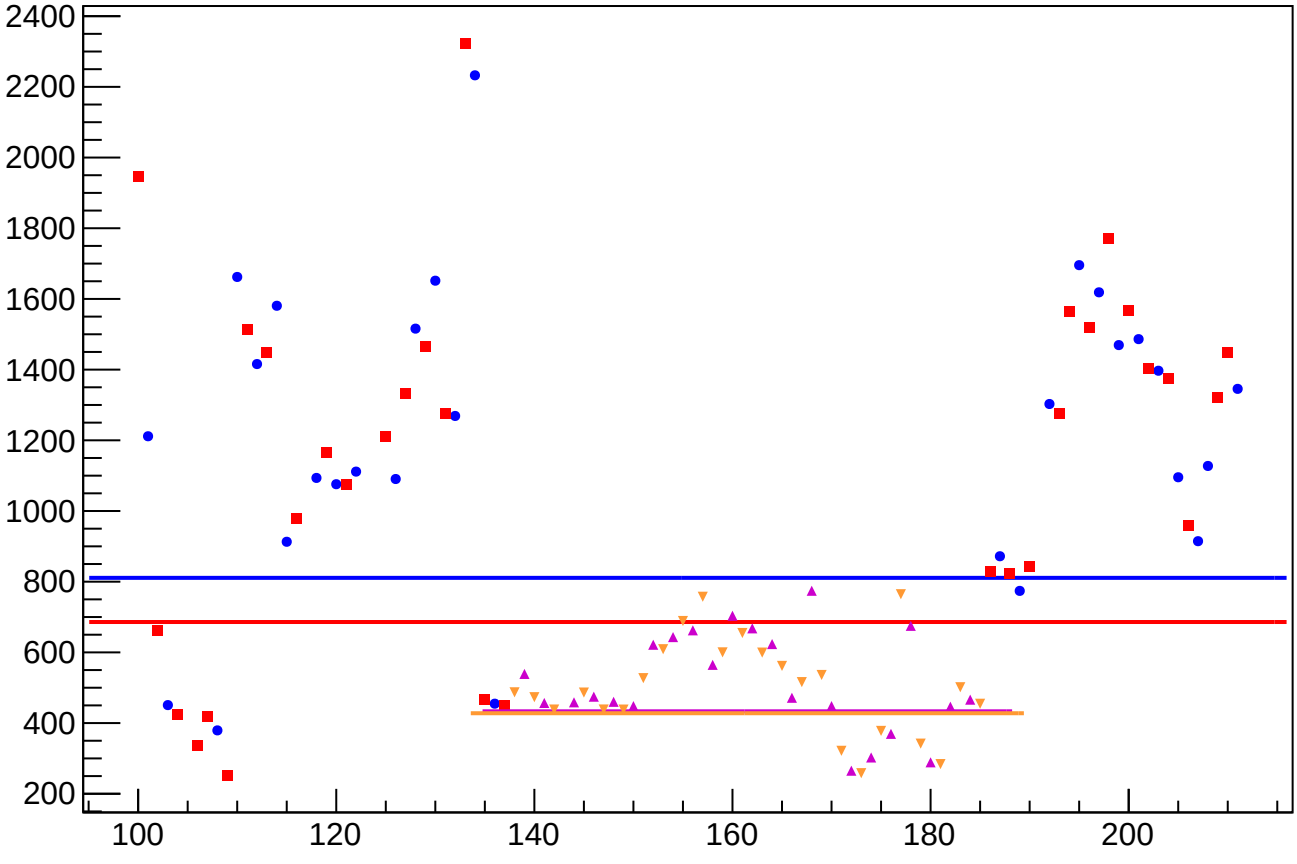
Left In: 186.828+/-106.975 χ^2/NDF:11.6/22

+ sign 188.471+/-95.304 χ^2/NDF: 77.0/51

All: 217.056+/-66.972 χ^2/NDF: 109.9/105

- sign 244.942+/-94.133 χ^2/NDF: 32.7/53

asym_us_dd_at2lr_dd_dd_reg_correction_rms vs Slug



Right In: 810.881+/-0.160 χ^2/NDF: 7238800.8/27

Left Out: 427.814+/-0.074 χ^2/NDF:3188159.5/23

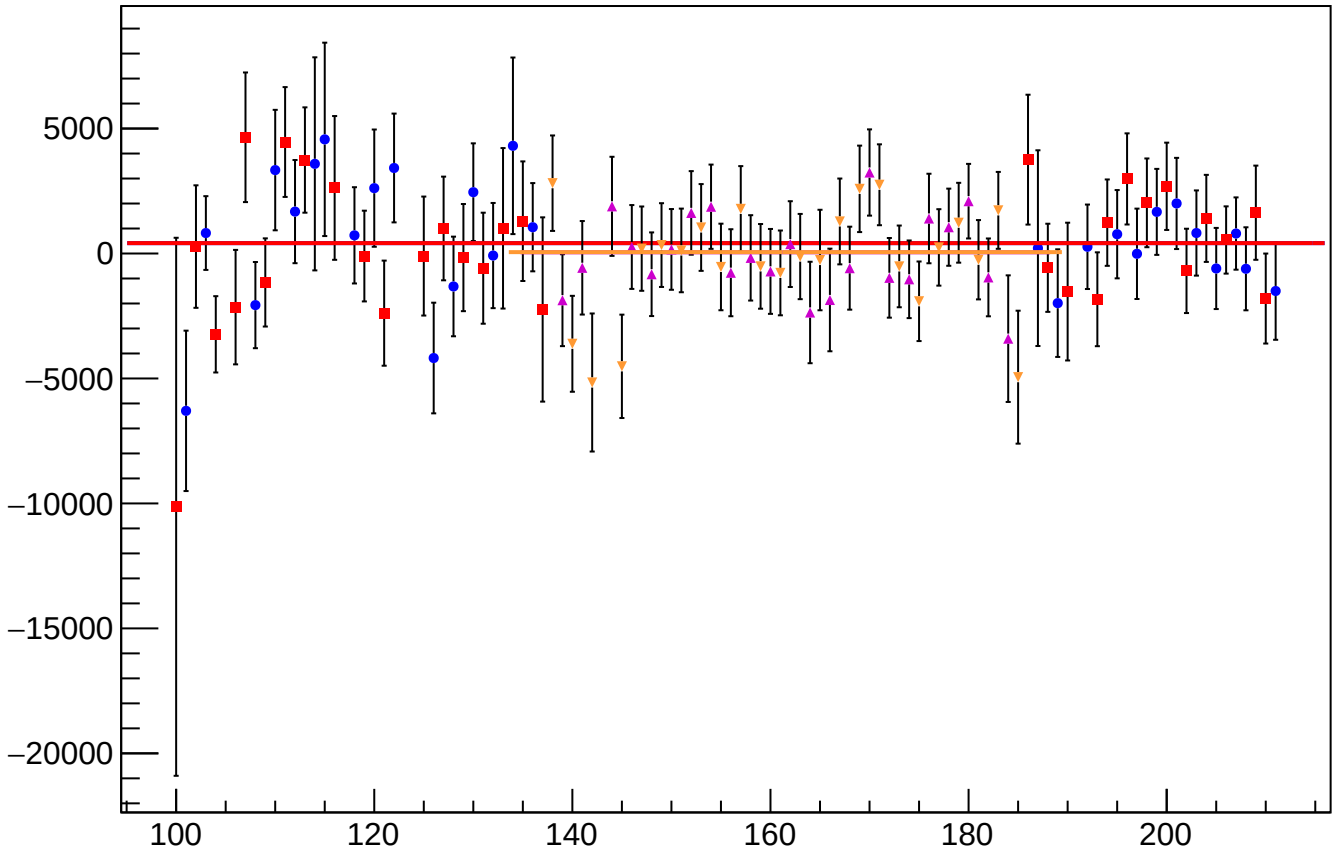
Right Out: 685.932+/-0.140 χ^2/NDF: 10156134.9/30

Left In: 433.283+/-0.076 χ^2/NDF:3247998.9/22

+ sign 495.651+/-0.067 χ^2/NDF: 15135589.7/51

All: 492.945+/-0.047 χ^2/NDF: 31060701.3/10

- sign 490.305+/-0.067 χ^2/NDF: 15921926.4/53



Right In: 414.883+/-373.940 χ^2/NDF: 24.9/27

Left Out: 54.734+/-356.375 χ^2/NDF:28.5/23

Right Out: 415.652+/-364.866 χ^2/NDF: 32.1/30

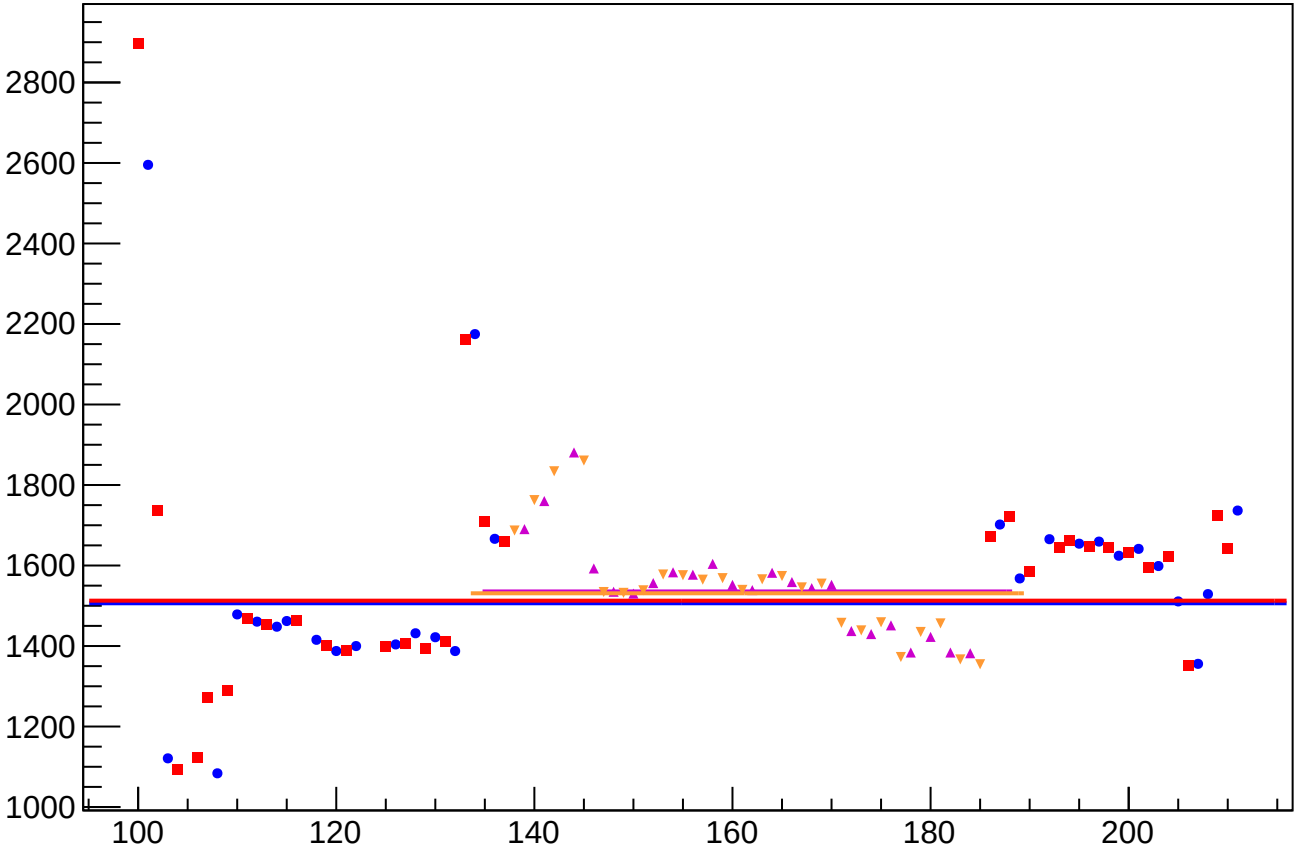
Left In: 48.256+/-359.531 χ^2/NDF:16.8/22

+ sign 226.152+/-257.981 χ^2/NDF: 53.9/51

All: 227.711+/-181.749 χ^2/NDF: 103.3/105

- sign 229.248+/-256.092 χ^2/NDF: 49.4/53

cor_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1506.200+/-0.264 χ^2/NDF: 737253.9/27

Left Out: 1530.976+/-0.252 χ^2/NDF:203539.7/23

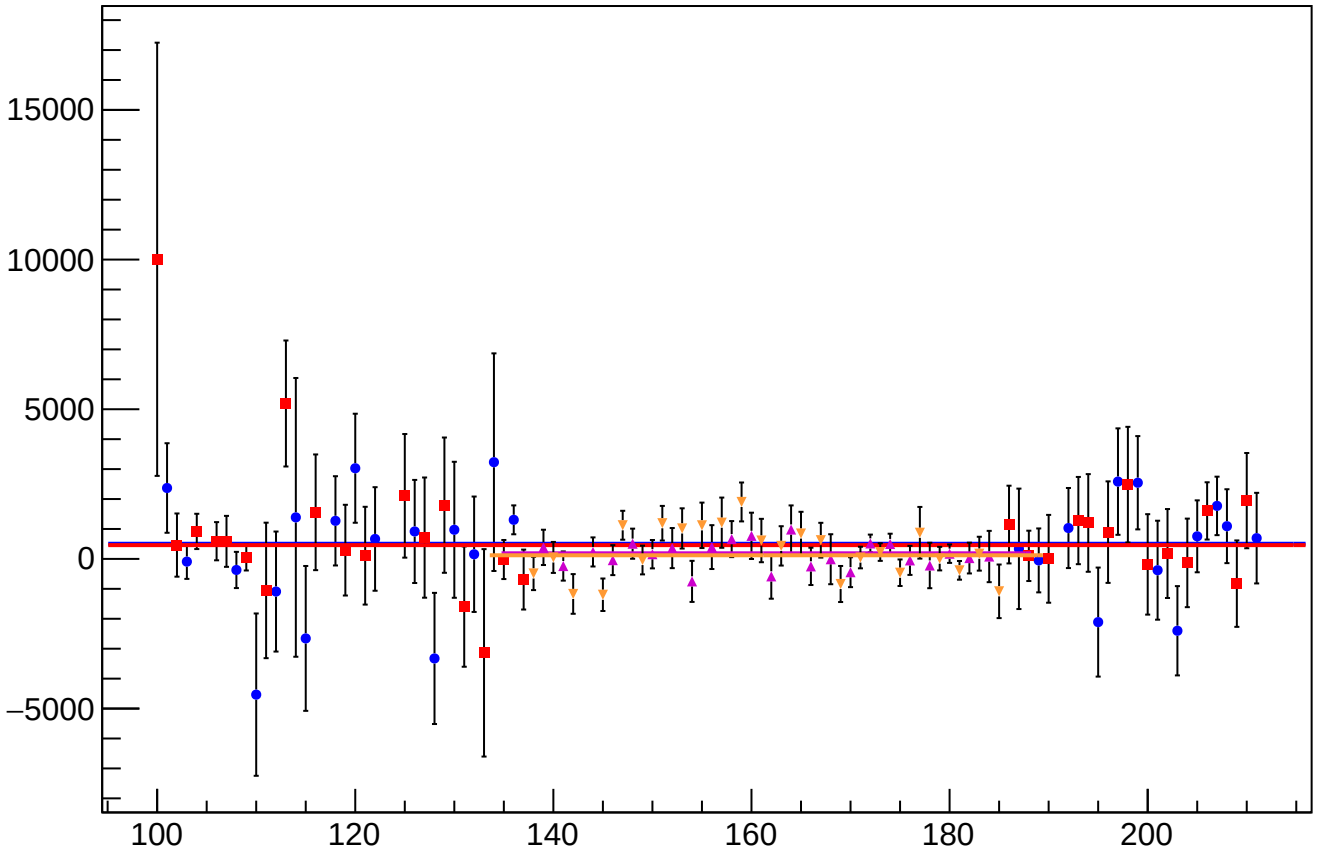
Right Out: 1512.676+/-0.258 χ^2/NDF: 613539.2/30

Left In: 1535.551+/-0.254 χ^2/NDF:192432.7/22

+ sign 1519.183+/-0.182 χ^2/NDF: 945394.7/51

All: 1521.751+/-0.129 χ^2/NDF: 1755748.6/10

- sign 1524.282+/-0.181 χ^2/NDF: 809960.4/53



Right In: 505.963+/-225.820 χ^2/NDF: 30.9/27

Left Out: 121.325+/-105.060 χ^2/NDF:43.7/23

Right Out: 460.205+/-196.680 χ^2/NDF: 19.8/30

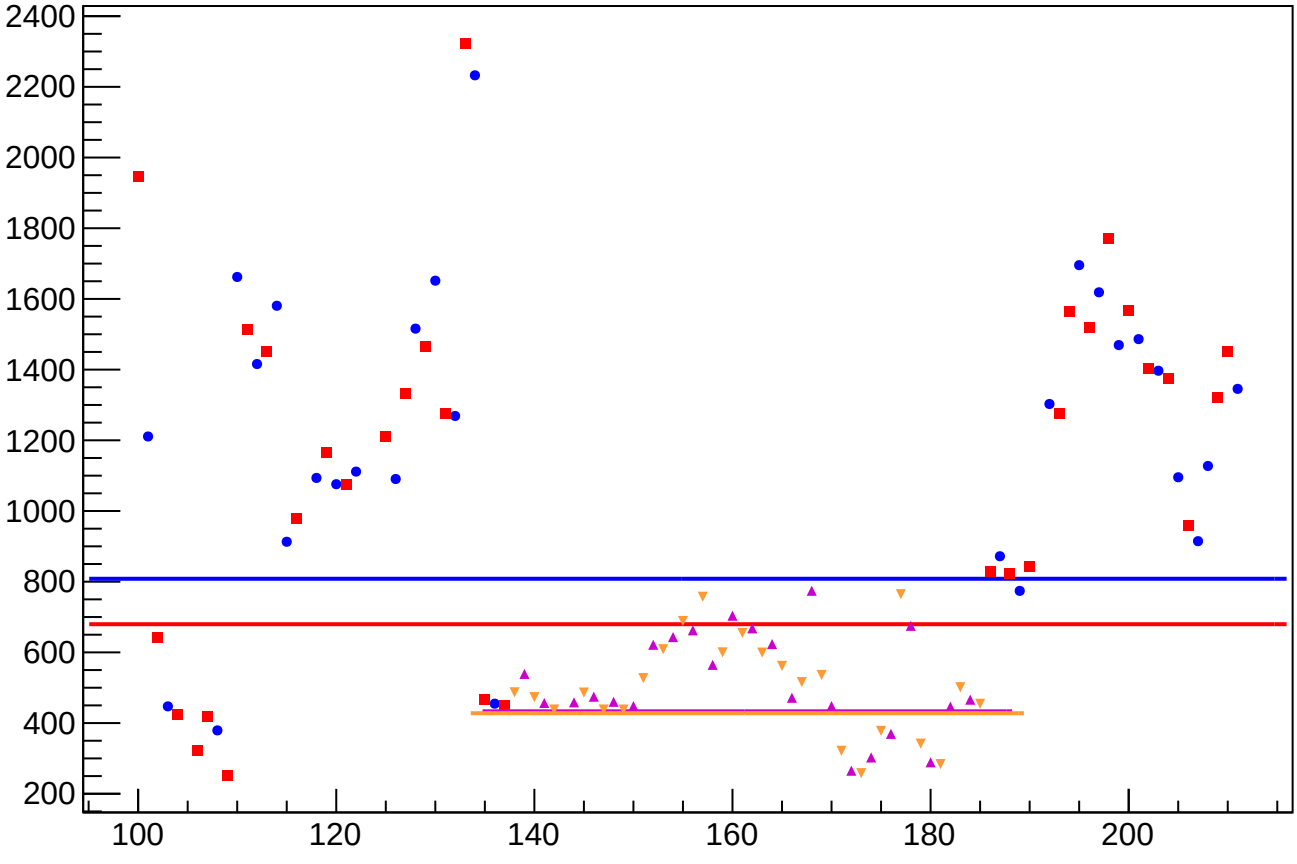
Left In: 187.037+/-106.975 χ^2/NDF:11.6/22

+ sign 189.765+/-95.256 χ^2/NDF: 76.9/51

All: 219.987+/-66.898 χ^2/NDF: 110.0/105

- sign 249.400+/-93.974 χ^2/NDF: 32.9/53

asym_us_dd_at2lr_dd_dd_cor_correction_rms vs Slug



Right In: 808.258+/-0.160 χ^2/NDF: 7282967.1/27

Left Out: 427.814+/-0.074 χ^2/NDF:3188396.1/23

Right Out: 679.694+/-0.139 χ^2/NDF: 10276964.7/30

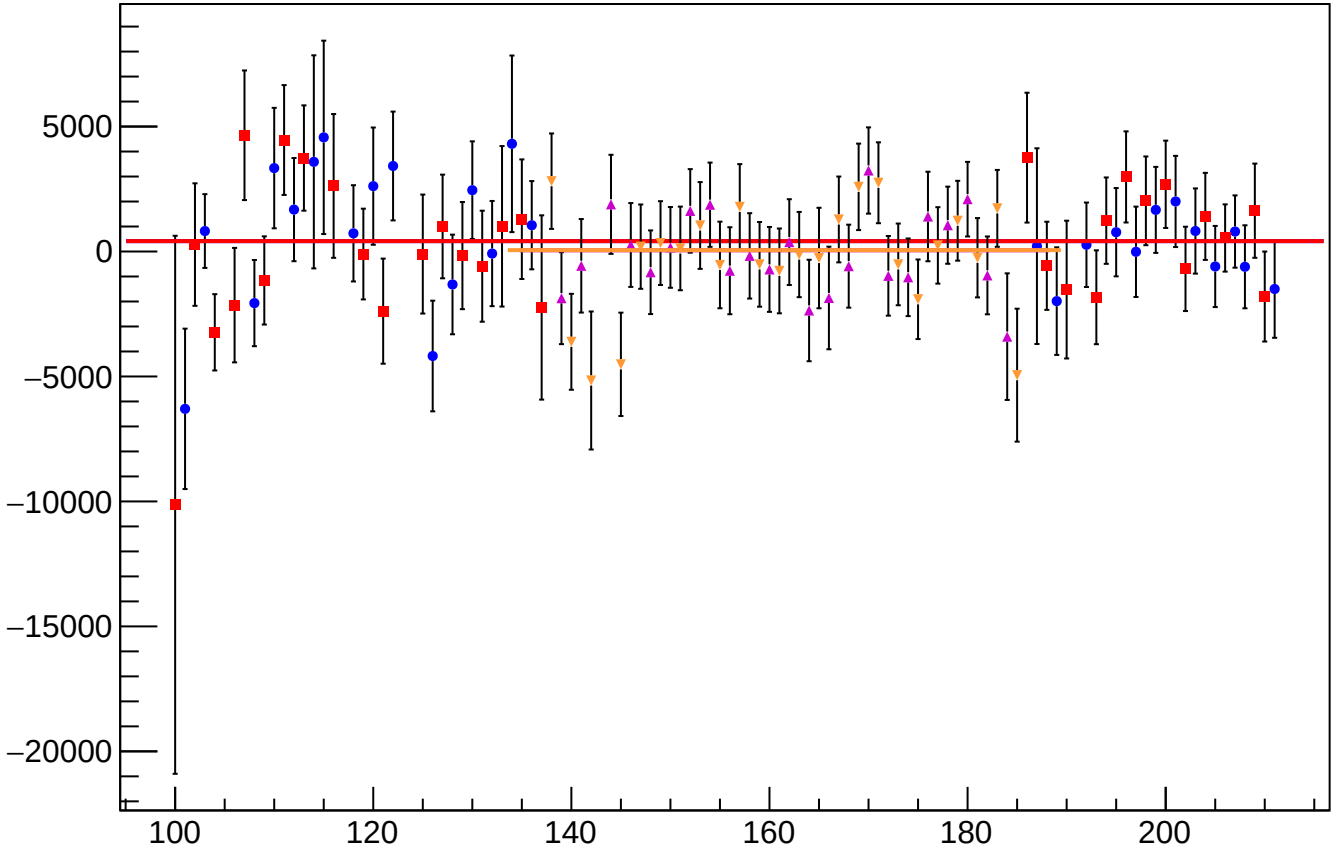
Left In: 433.285+/-0.076 χ^2/NDF:3247871.5/22

+ sign 495.508+/-0.067 χ^2/NDF: 15137876.4/51

All: 492.483+/-0.047 χ^2/NDF: 31089252.0/10

- sign 489.539+/-0.066 χ^2/NDF: 15947396.5/53

eigen_cor_asym_us_dd_at2lr_dd_dd_mean vs Slug



Right In: 414.883+/-373.940 χ^2/NDF: 24.9/27

Left Out: 54.734+/-356.375 χ^2/NDF:28.5/23

Right Out: 415.652+/-364.866 χ^2/NDF: 32.1/30

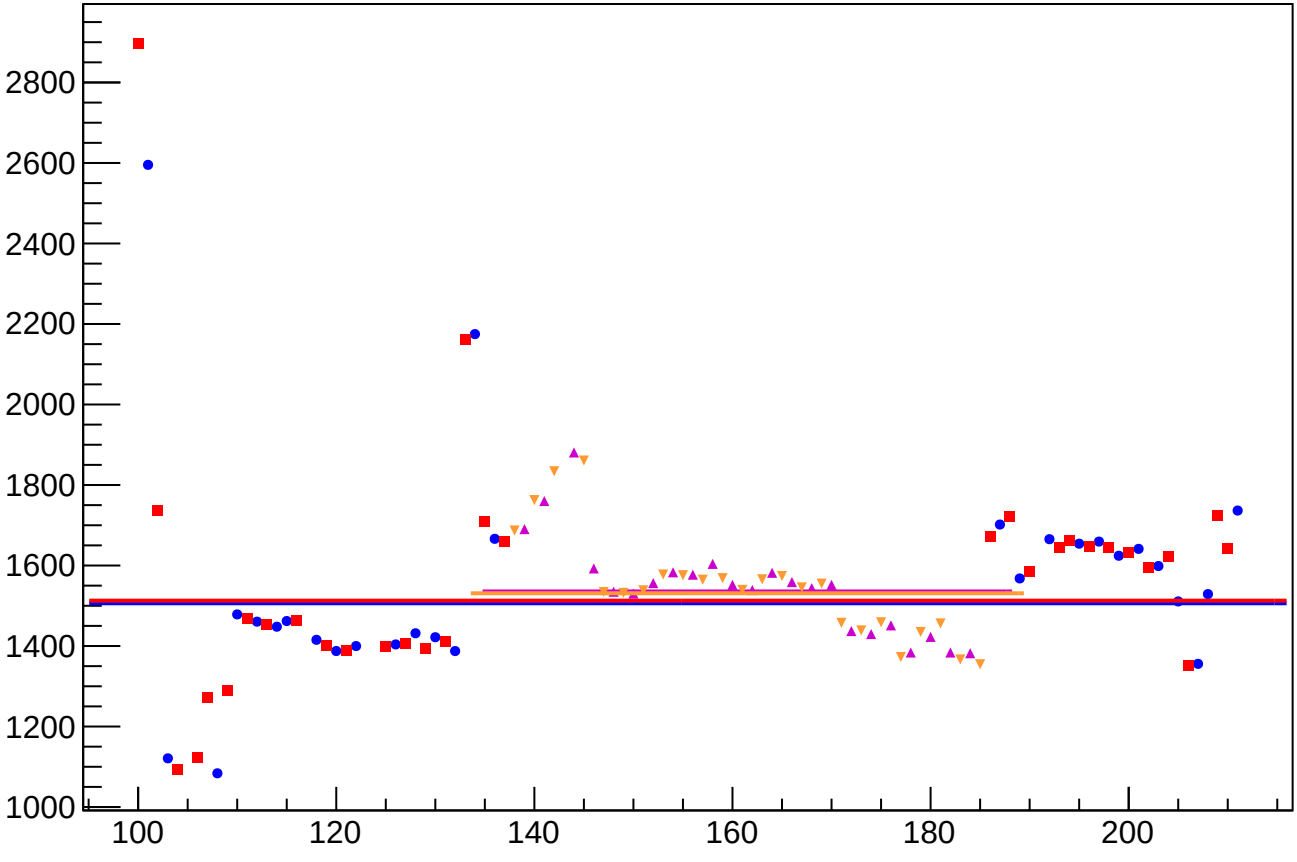
Left In: 48.256+/-359.531 χ^2/NDF:16.8/22

+ sign 226.152+/-257.981 χ^2/NDF: 53.9/51

All: 227.711+/-181.749 χ^2/NDF: 103.3/105

- sign 229.248+/-256.092 χ^2/NDF: 49.4/53

eigen_cor_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1506.200+/-0.264 χ^2/NDF: 737253.9/27

Left Out: 1530.976+/-0.252 χ^2/NDF:203539.7/23

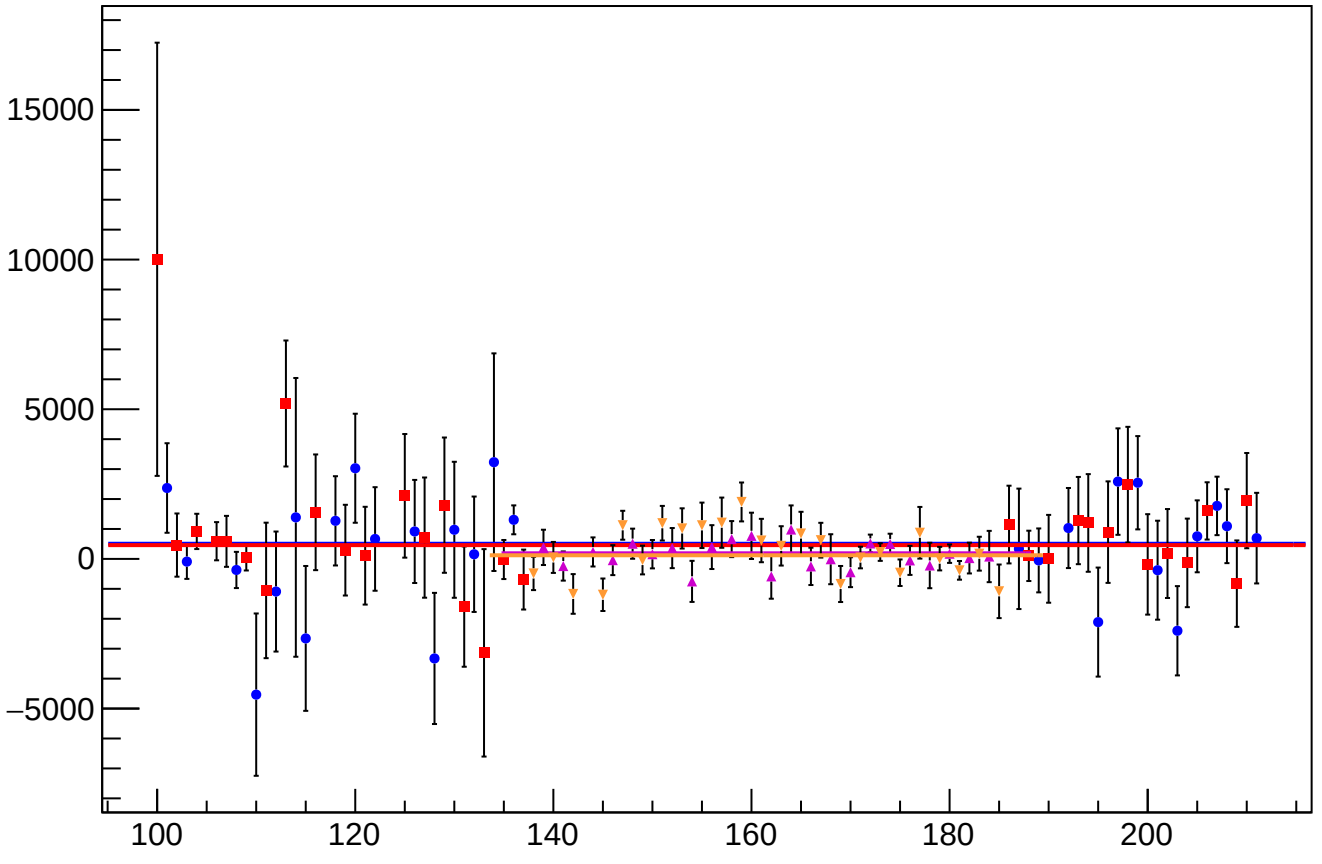
Right Out: 1512.676+/-0.258 χ^2/NDF: 613539.2/30

Left In: 1535.551+/-0.254 χ^2/NDF:192432.7/22

+ sign 1519.183+/-0.182 χ^2/NDF: 945394.7/51

All: 1521.751+/-0.129 χ^2/NDF: 1755748.6/10

- sign 1524.282+/-0.181 χ^2/NDF: 809960.4/53



Right In: 505.963+/-225.820 χ^2/NDF: 30.9/27

Left Out: 121.325+/-105.060 χ^2/NDF:43.7/23

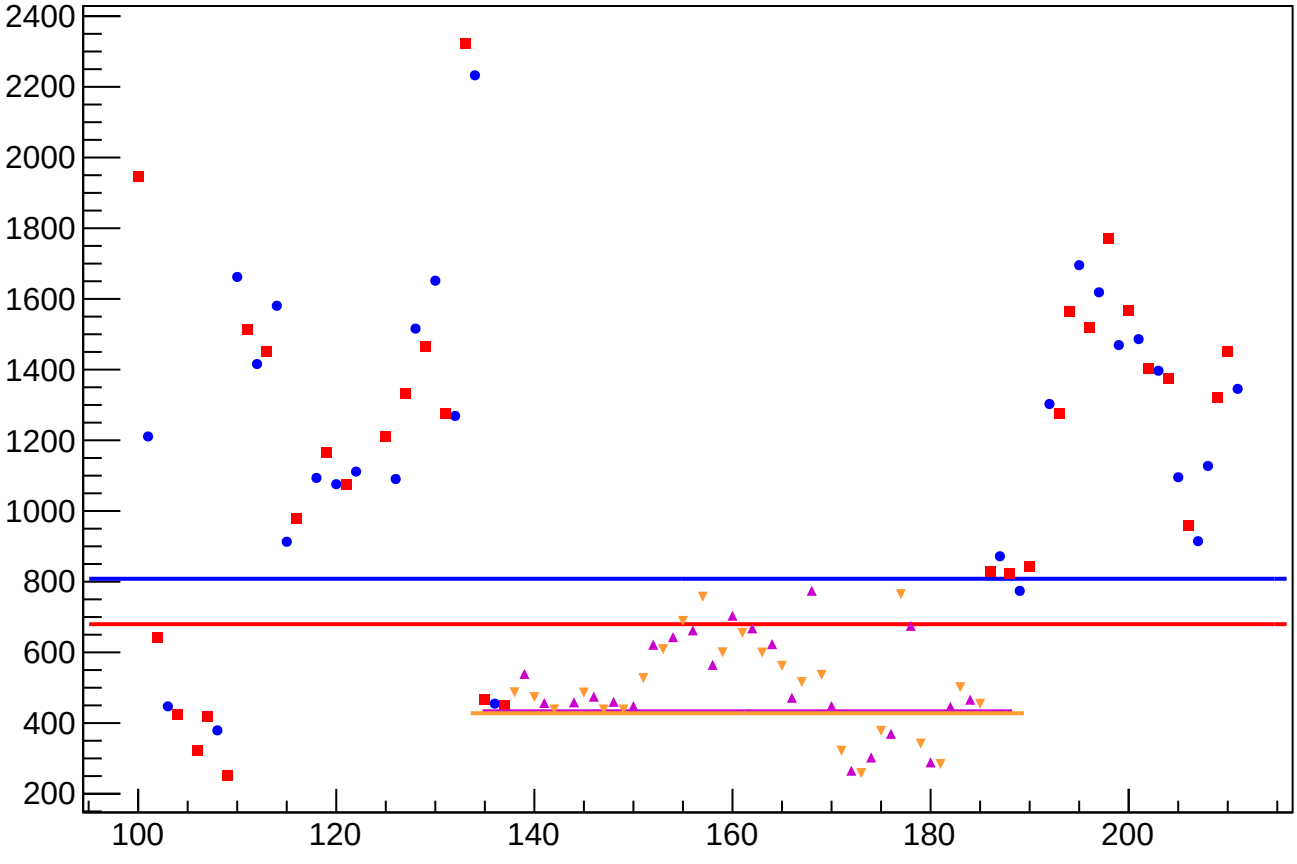
Right Out: 460.205+/-196.680 χ^2/NDF: 19.8/30

Left In: 187.037+/-106.975 χ^2/NDF:11.6/22

+ sign 189.765+/-95.256 χ^2/NDF: 76.9/51

All: 219.987+/-66.898 χ^2/NDF: 110.0/105

- sign 249.400+/-93.974 χ^2/NDF: 32.9/53


asym_us_dd_at2lr_dd_dd_eigen_cor_correction_rms vs Slug
2400
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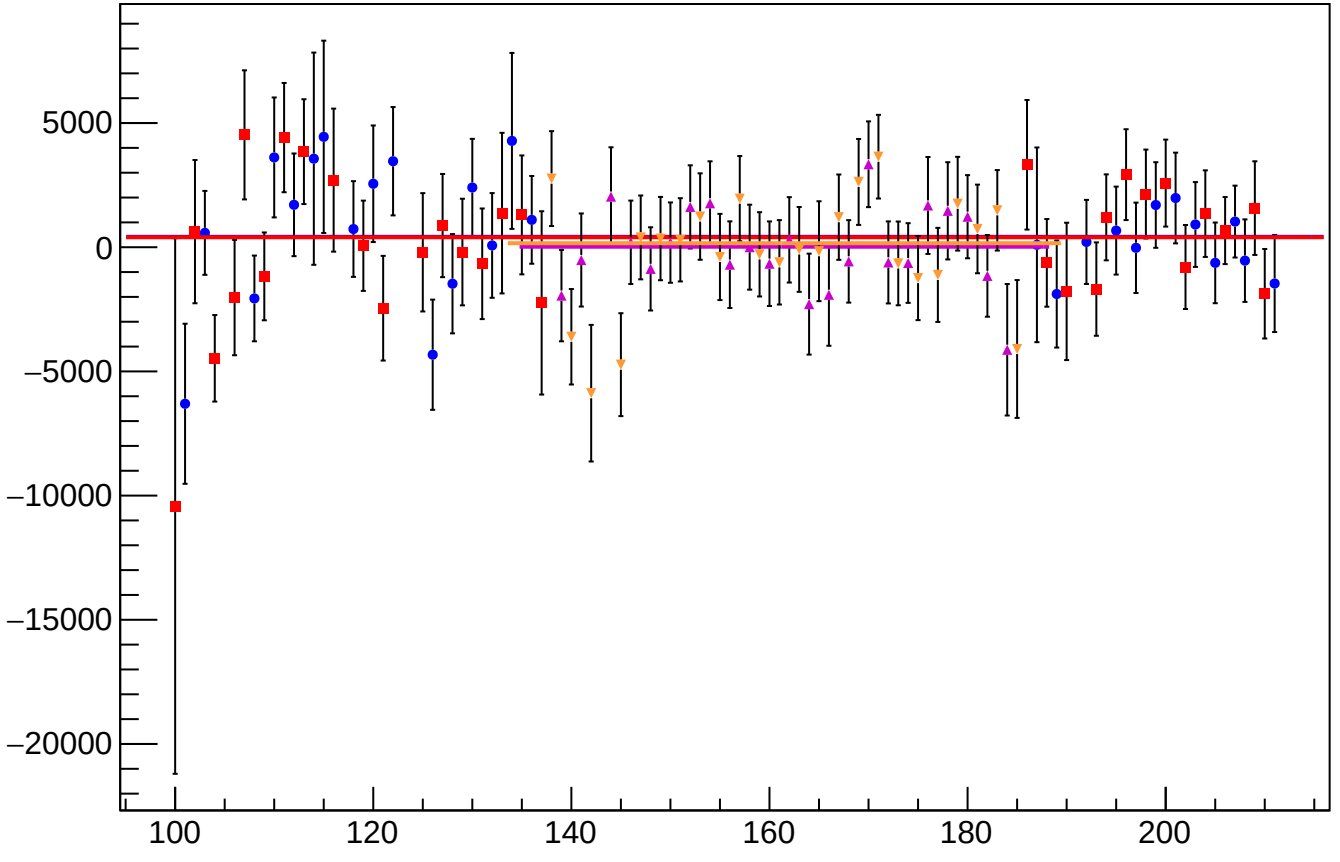
Right In: 808.258+/-0.160 χ²/NDF: 7282967.1/27
Left Out: 427.814+/-0.074 χ²/NDF:3188396.1/23
Right Out: 679.694+/-0.139 χ²/NDF: 10276964.7/30
Left In: 433.285+/-0.076 χ²/NDF:3247871.5/22
+ sign 495.508+/-0.067 χ²/NDF: 15137876.4/51
All: 492.483+/-0.047 χ²/NDF: 31089252.0/10
- sign 489.539+/-0.066 χ²/NDF: 15947396.5/53

dit_asym_us_dd_at2lr_dd_dd_mean vs Slug



Right In: 417.774+/-377.419 χ^2/NDF: 25.3/27

Left Out: 161.591+/-368.366 χ^2/NDF:29.9/23

Right Out: 401.426+/-369.301 χ^2/NDF: 33.8/30

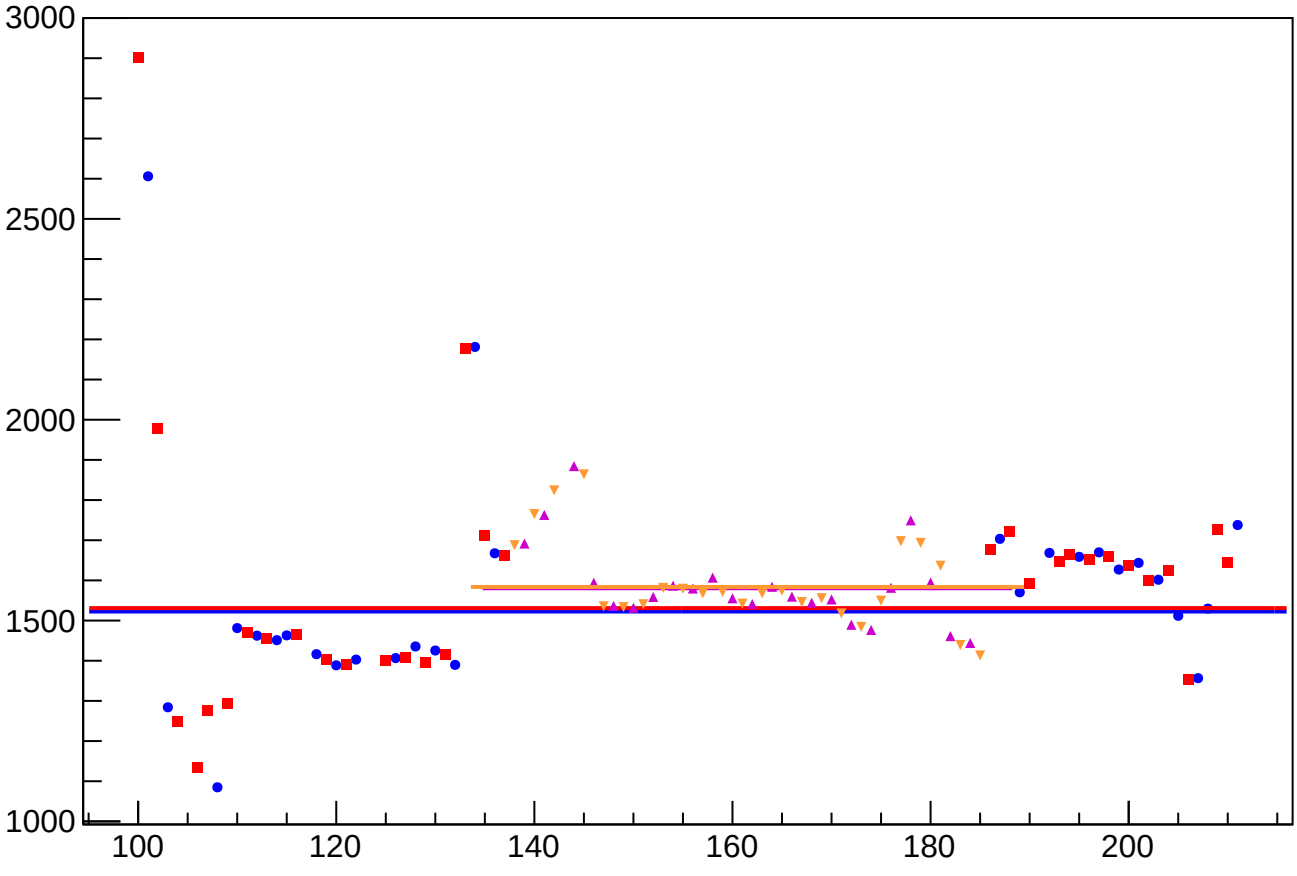
Left In: 20.252+/-369.781 χ^2/NDF:16.0/22

\+ sign 286.573+/-263.616 χ^2/NDF: 55.5/51

All: 248.497+/-185.582 χ^2/NDF: 105.8/105

\- sign 211.086+/-261.304 χ^2/NDF: 50.3/53

dit_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1522.583+/-0.267 χ^2/NDF: 637356.3/27

Left Out: 1583.673+/-0.260 χ^2/NDF:133583.1/23

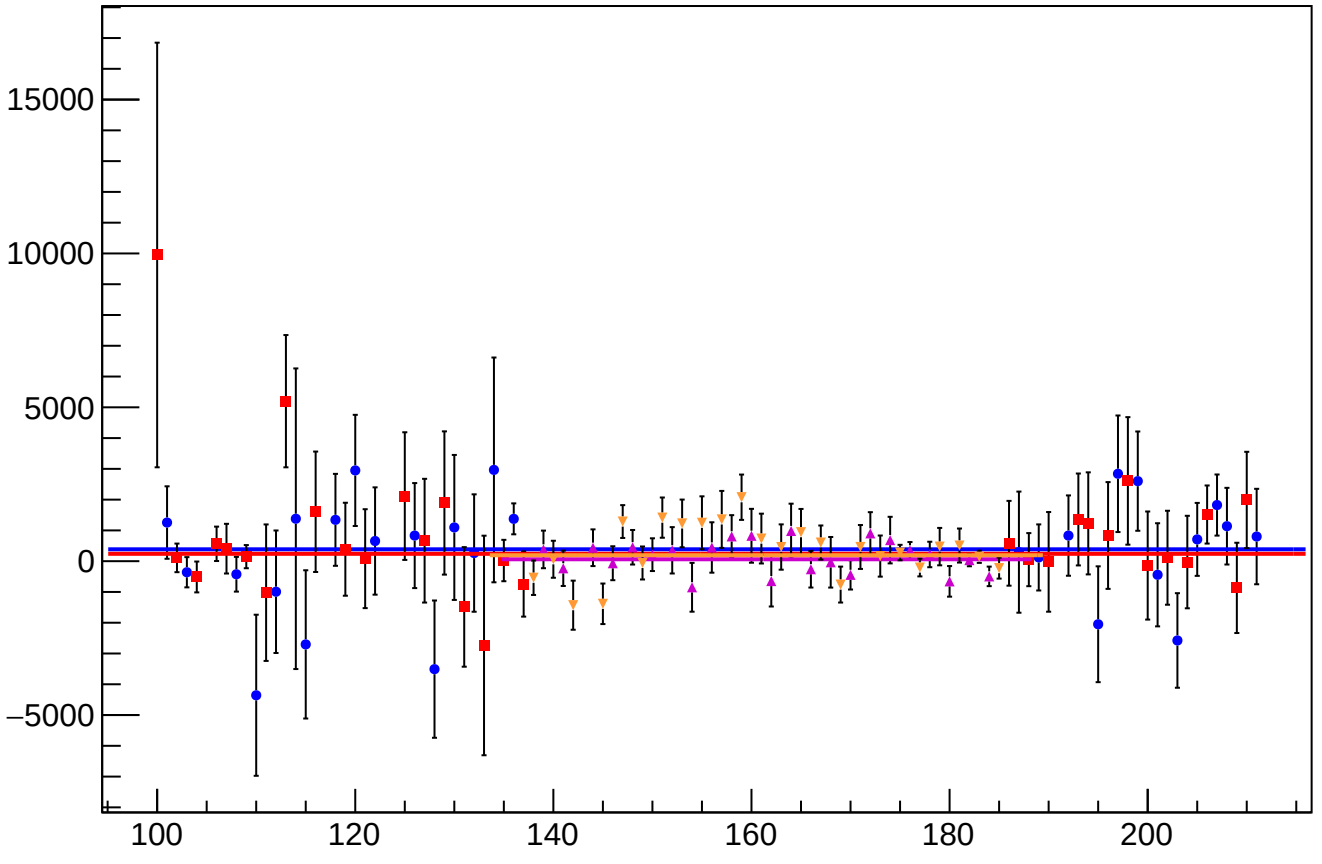
Right Out: 1530.996+/-0.261 χ^2/NDF: 540794.6/30

Left In: 1580.464+/-0.261 χ^2/NDF:125745.6/22

+ sign 1553.870+/-0.186 χ^2/NDF: 797774.9/51

All: 1554.792+/-0.131 χ^2/NDF: 1482283.0/10

- sign 1555.698+/-0.185 χ^2/NDF: 684459.5/53



Right In: 385.683+/-218.452 χ^2/NDF: 32.4/27

Left Out: 193.307+/-95.894 χ^2/NDF:40.1/23

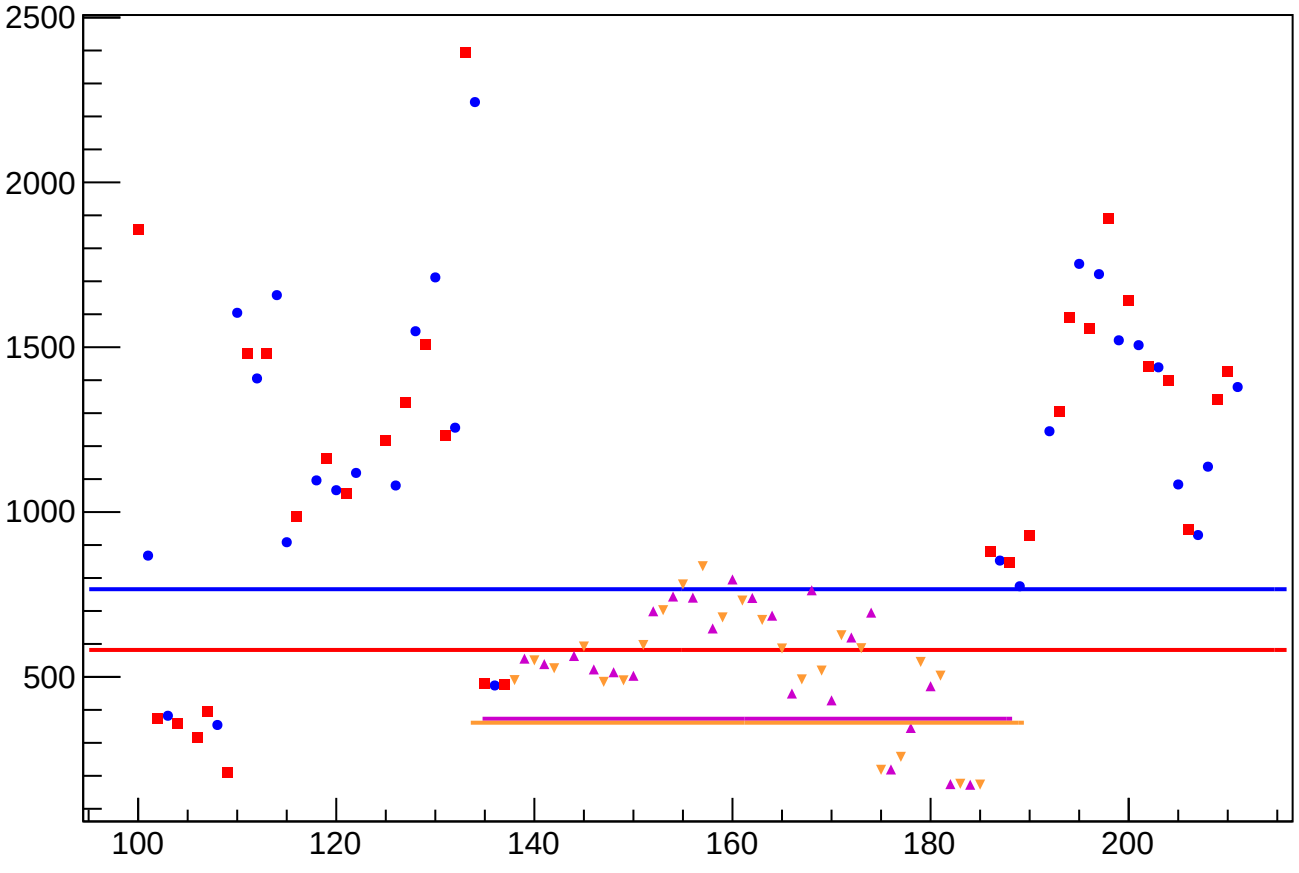
Right Out: 239.071+/-174.425 χ^2/NDF: 20.9/30

Left In: 62.183+/-99.717 χ^2/NDF:17.0/22

+ sign 224.388+/-87.806 χ^2/NDF: 73.1/51

All: 164.230+/-61.646 χ^2/NDF: 112.8/105

- sign 105.755+/-86.569 χ^2/NDF: 38.7/53



Right In: 766.024+/-0.154 χ^2/NDF: 8024030.9/27

Left Out: 361.100+/-0.068 χ^2/NDF:8183123.9/23

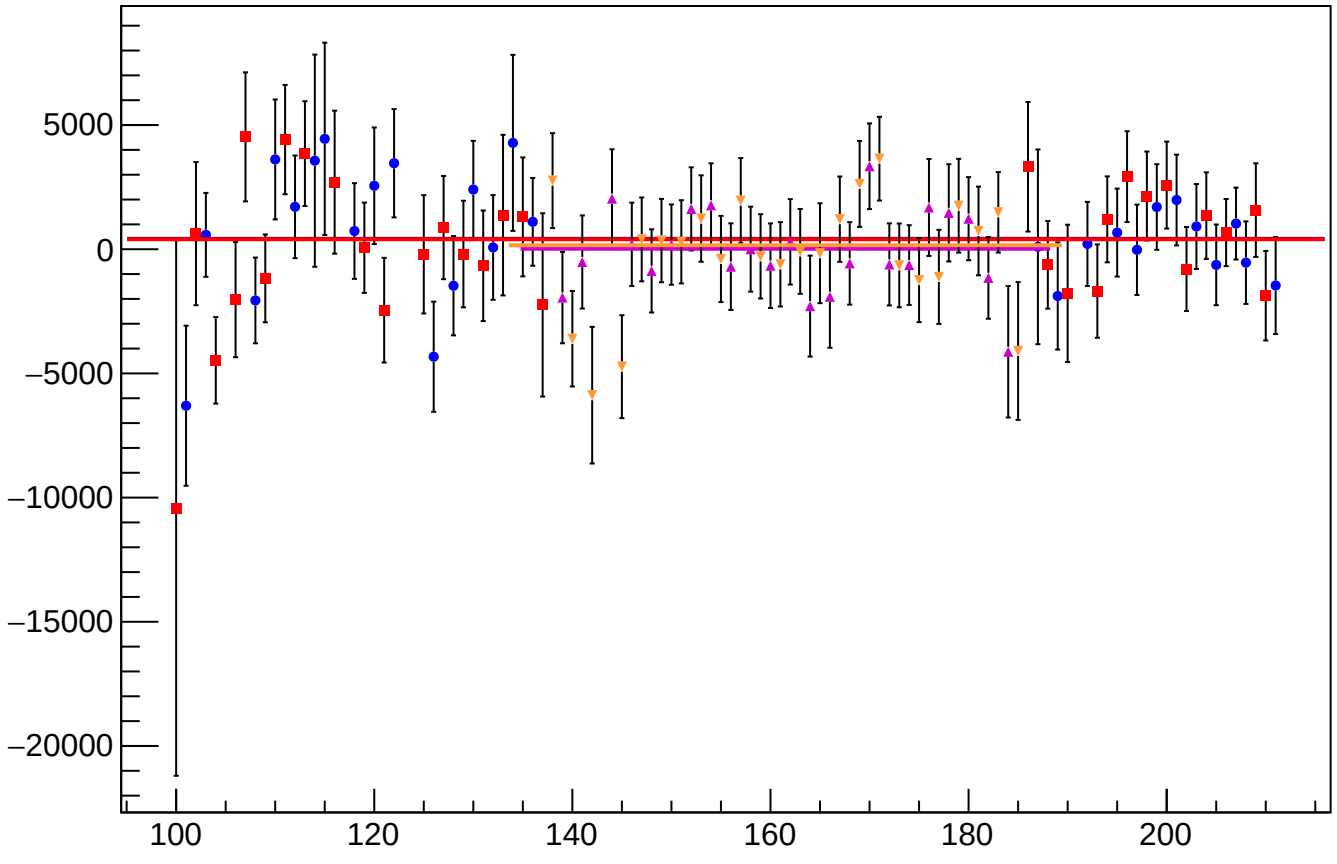
Right Out: 581.805+/-0.123 χ^2/NDF: 12561728.6/30

Left In: 373.140+/-0.071 χ^2/NDF:8207354.5/22

+ sign 426.520+/-0.062 χ^2/NDF: 21968700.1/51

All: 425.516+/-0.044 χ^2/NDF: 44895541.4/10

- sign 424.540+/-0.061 χ^2/NDF: 22926325.3/53



Right In: 417.770+/-377.419 χ^2/NDF: 25.3/27

Left Out: 161.587+/-368.366 χ^2/NDF:29.9/23

Right Out: 401.423+/-369.300 χ^2/NDF: 33.8/30

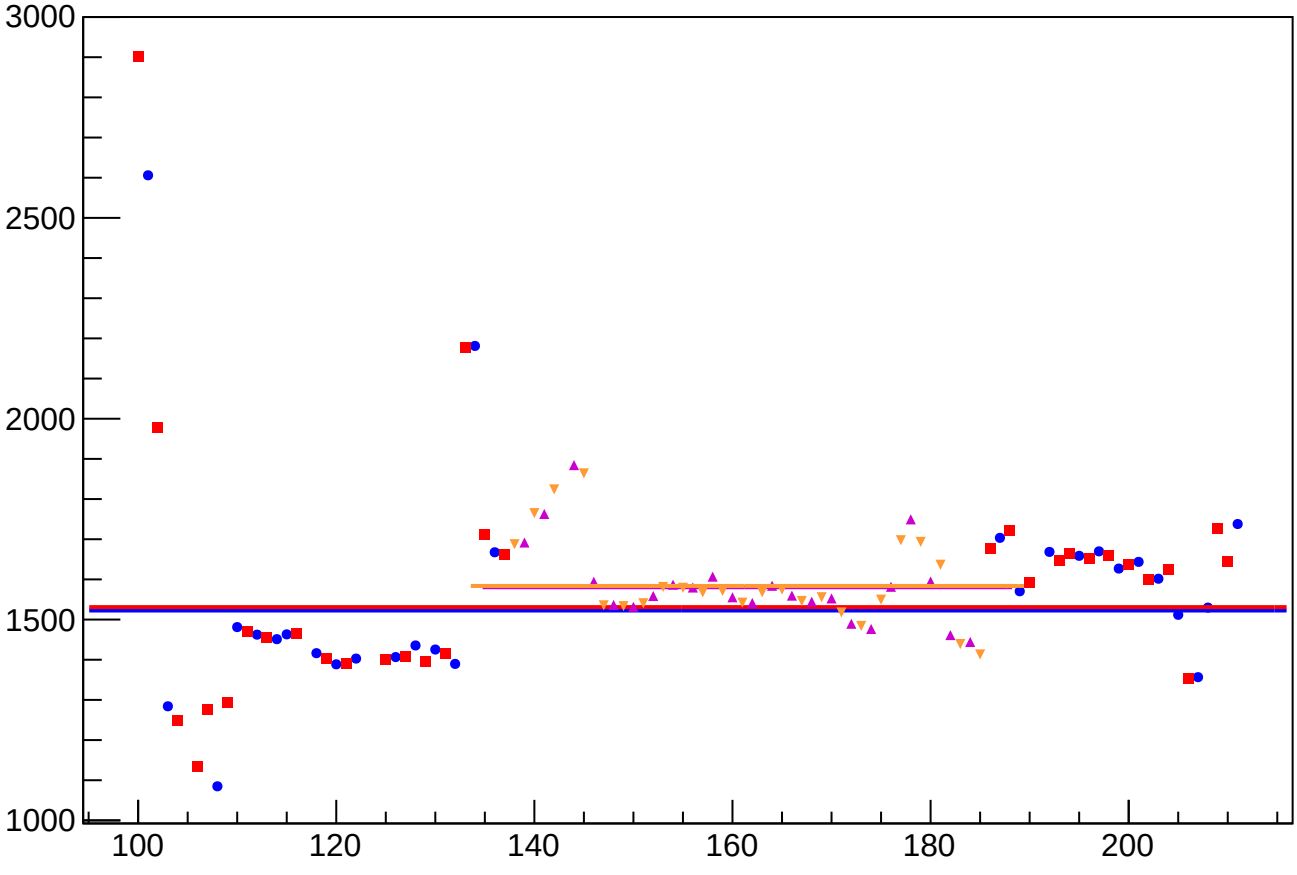
Left In: 20.250+/-369.781 χ^2/NDF:16.0/22

+ sign 286.569+/-263.616 χ^2/NDF: 55.5/51

All: 248.494+/-185.582 χ^2/NDF: 105.8/105

- sign 211.084+/-261.304 χ^2/NDF: 50.3/53

eigen_dit_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1522.583+/-0.267 χ^2/NDF: 637355.9/27

Left Out: 1583.673+/-0.260 χ^2/NDF:133583.3/23

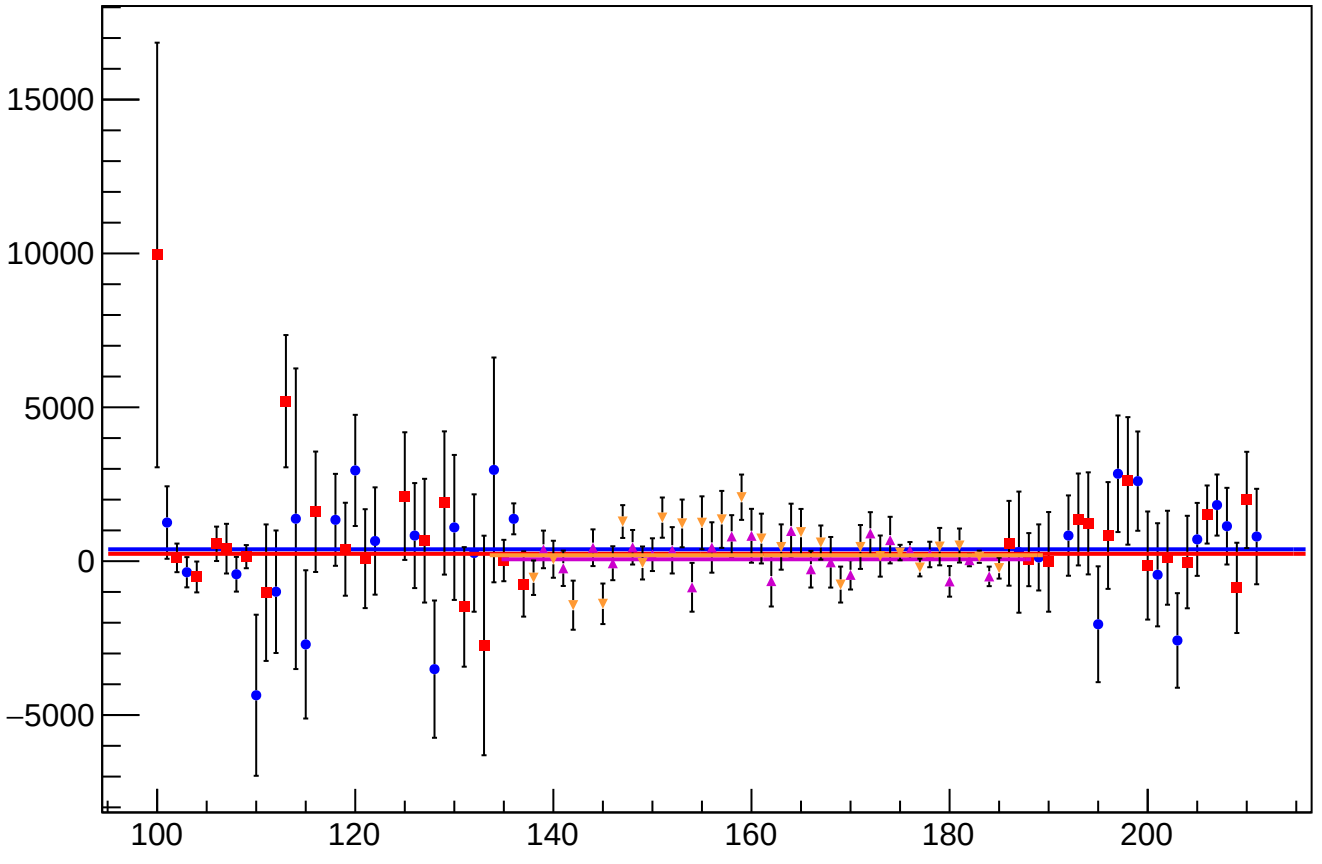
Right Out: 1530.996+/-0.261 χ^2/NDF: 540794.5/30

Left In: 1580.464+/-0.261 χ^2/NDF:125745.6/22

+ sign 1553.869+/-0.186 χ^2/NDF: 797774.5/51

All: 1554.792+/-0.131 χ^2/NDF: 1482282.3/10

- sign 1555.698+/-0.185 χ^2/NDF: 684459.3/53



Right In: 385.679+/-218.451 χ^2/NDF: 32.4/27

Left Out: 193.312+/-95.894 χ^2/NDF:40.1/23

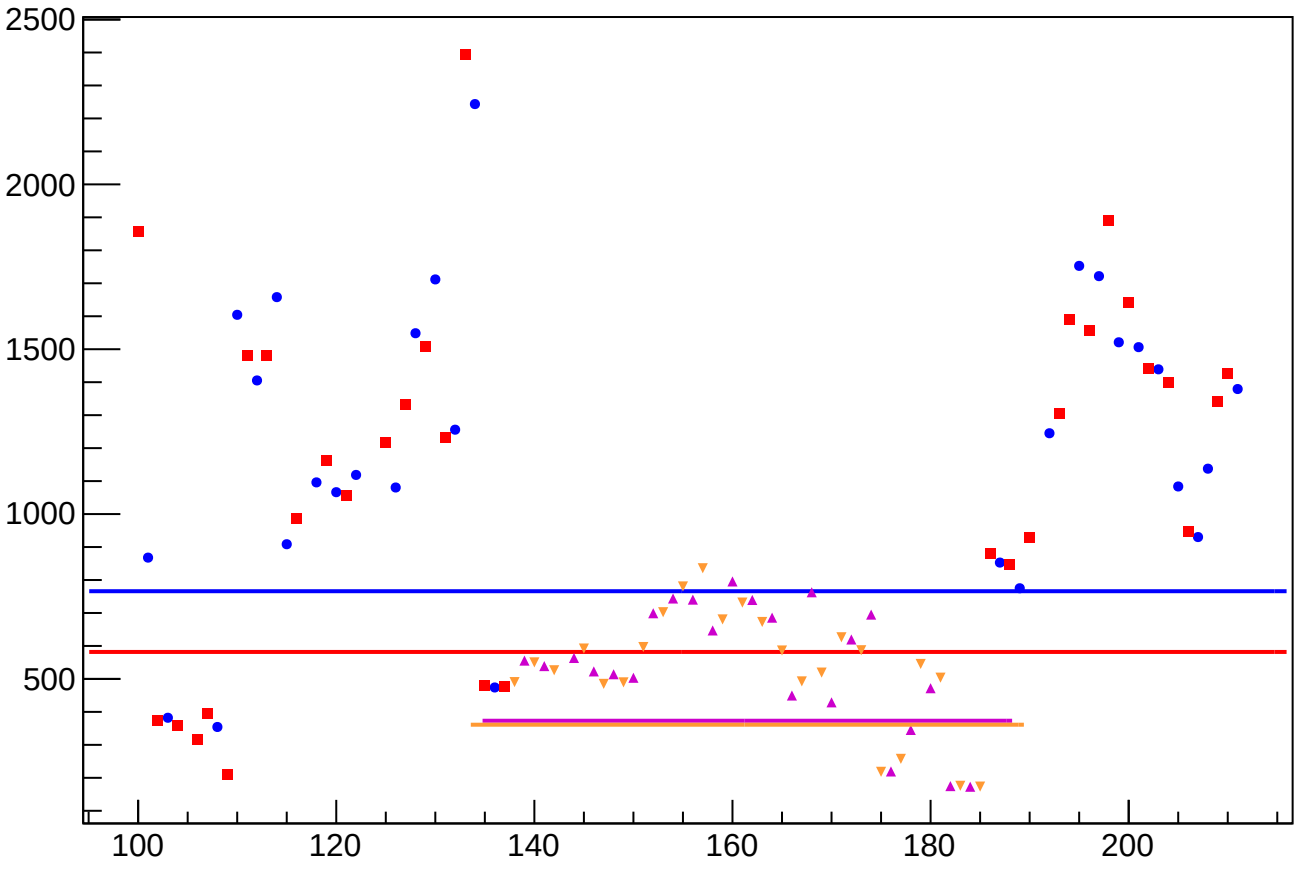
Right Out: 239.071+/-174.426 χ^2/NDF: 20.9/30

Left In: 62.181+/-99.718 χ^2/NDF:17.0/22

+ sign 224.392+/-87.807 χ^2/NDF: 73.1/51

All: 164.231+/-61.647 χ^2/NDF: 112.8/105

- sign 105.753+/-86.570 χ^2/NDF: 38.7/53



Right In: 766.022+/-0.154 χ^2/NDF: 8024054.9/27

Left Out: 361.103+/-0.068 χ^2/NDF:8182968.2/23

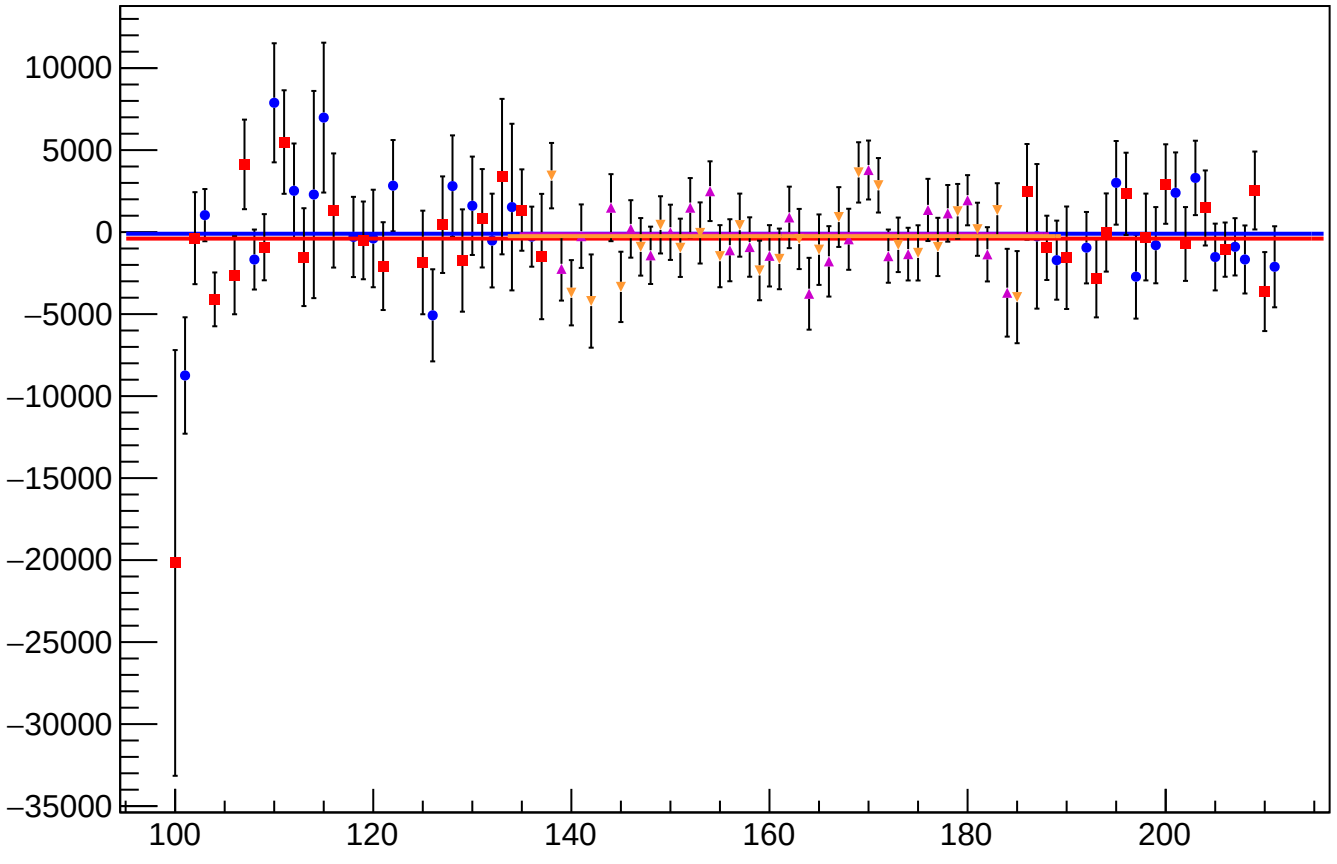
Right Out: 581.812+/-0.123 χ^2/NDF: 12561555.5/30

Left In: 373.145+/-0.071 χ^2/NDF:8207110.6/22

+ sign 426.524+/-0.062 χ^2/NDF: 21968403.9/51

All: 425.520+/-0.044 χ^2/NDF: 44894833.9/10

- sign 424.545+/-0.061 χ^2/NDF: 22925914.9/53



Right In: -99.243+/-471.243 χ^2/NDF: 29.4/27

Left Out: -247.110+/-378.224 χ^2/NDF:26.0/23

Right Out: -395.765+/-457.040 χ^2/NDF: 26.7/30

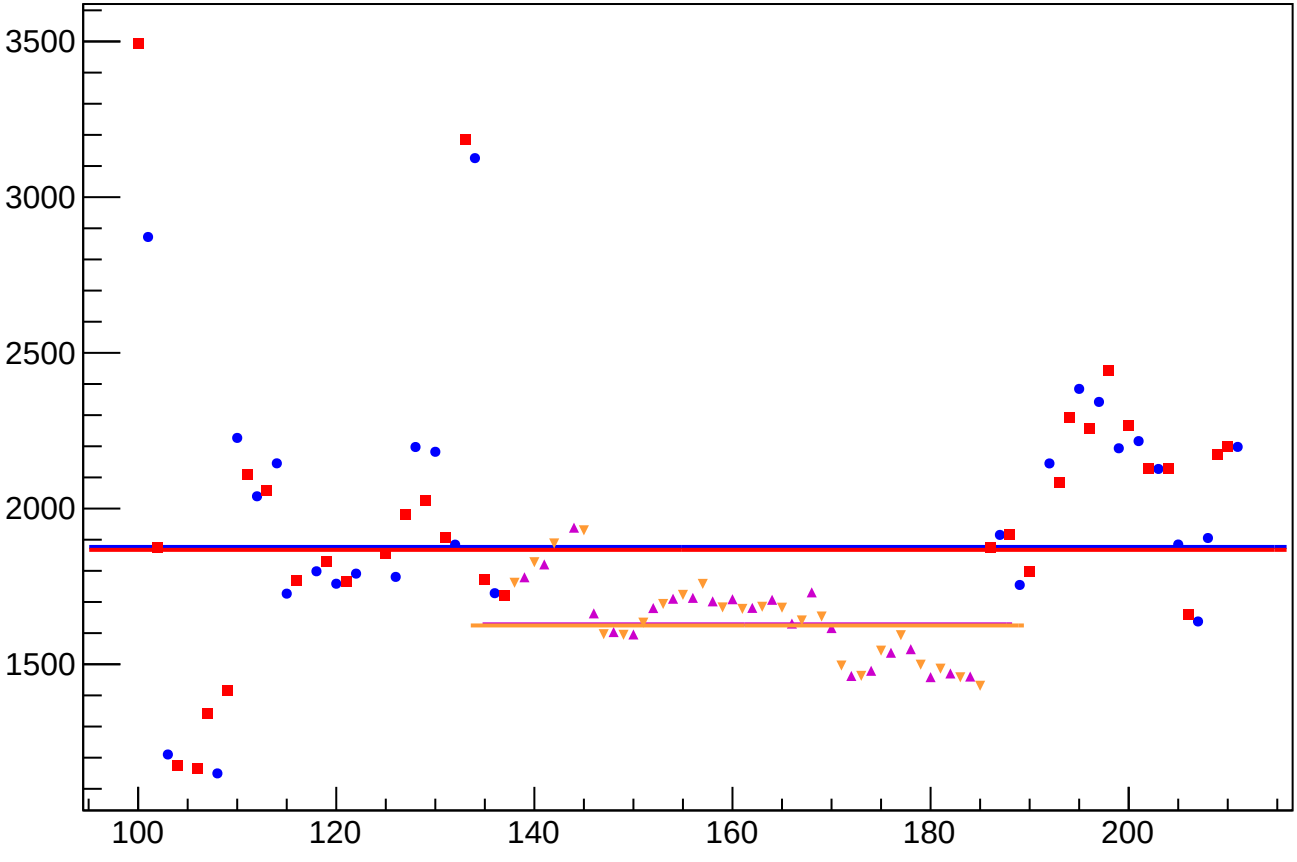
Left In: -126.114+/-381.305 χ^2/NDF:21.2/22

\+ sign -189.176+/-294.968 χ^2/NDF: 55.5/51

All: -213.153+/-207.799 χ^2/NDF: 103.7/105

\- sign -236.777+/-292.788 χ^2/NDF: 48.1/53

asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1876.746+/-0.333 χ^2/NDF: 1392864.3/27

Left Out: 1624.614+/-0.267 χ^2/NDF:207257.7/23

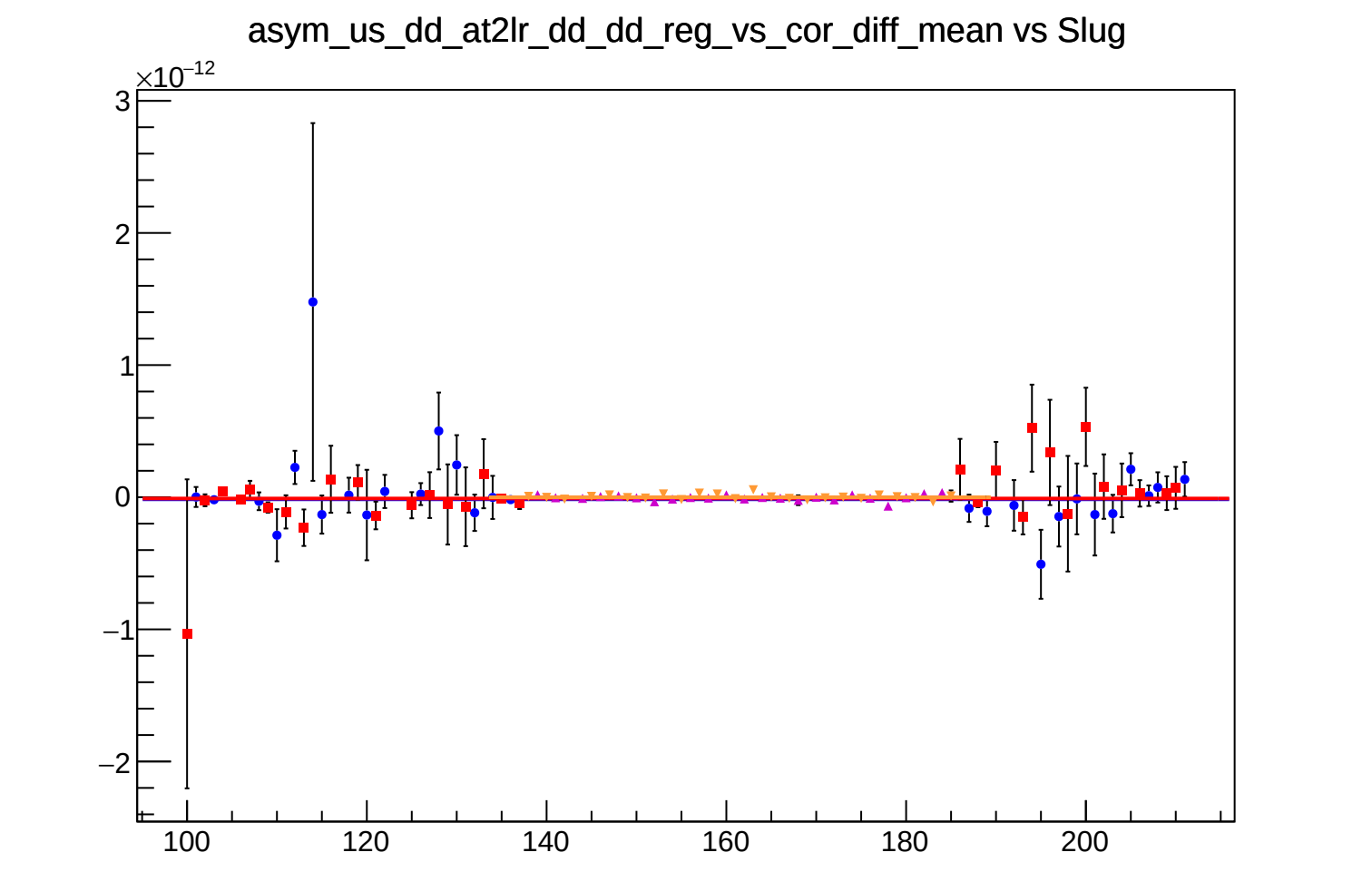
Right Out: 1867.377+/-0.323 χ^2/NDF: 1364895.6/30

Left In: 1628.221+/-0.270 χ^2/NDF:204880.6/22

+ sign 1723.398+/-0.209 χ^2/NDF: 1948334.2/51

All: 1724.895+/-0.147 χ^2/NDF: 3841097.8/10

- sign 1726.369+/-0.207 χ^2/NDF: 1892661.4/53


asym_us_dd_at2lr_dd_dd_reg_vs_cor_diff_mean vs Slug
×10^−12
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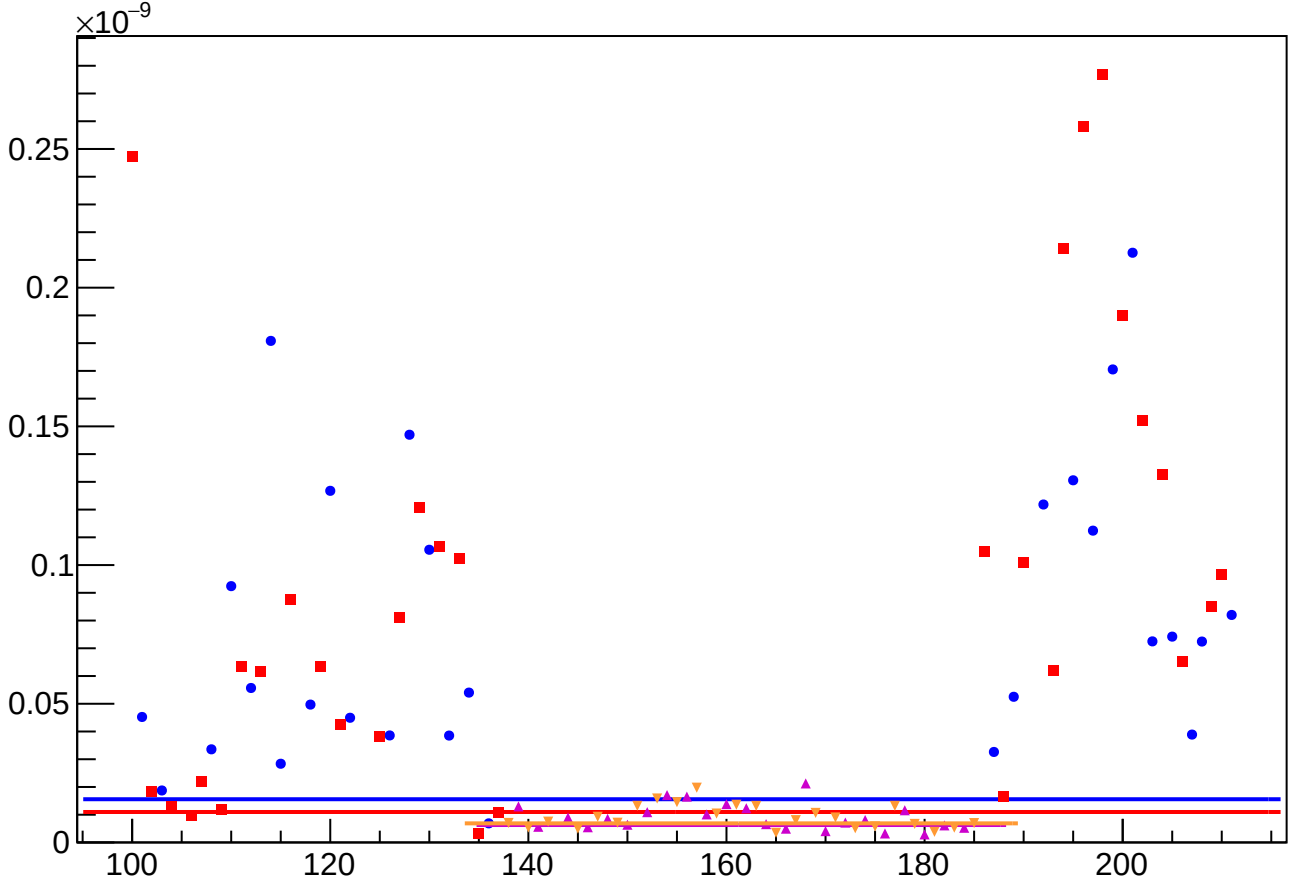
−1
−2
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 24.6/27
Left Out: -0.000+/-0.000 χ²/NDF:22.6/23
Right Out: -0.000+/-0.000 χ²/NDF: 27.6/30
Left In: -0.000+/-0.000 χ²/NDF:24.2/22
+ sign -0.000+/-0.000 χ²/NDF: 49.3/51
All: -0.000+/-0.000 χ²/NDF: 102.0/105
- sign -0.000+/-0.000 χ²/NDF: 52.6/53



Right In: 0.000+/-0.000 χ^2/NDF: 8755761.1/27

Left Out: 0.000+/-0.000 χ^2/NDF:2256547.8/23

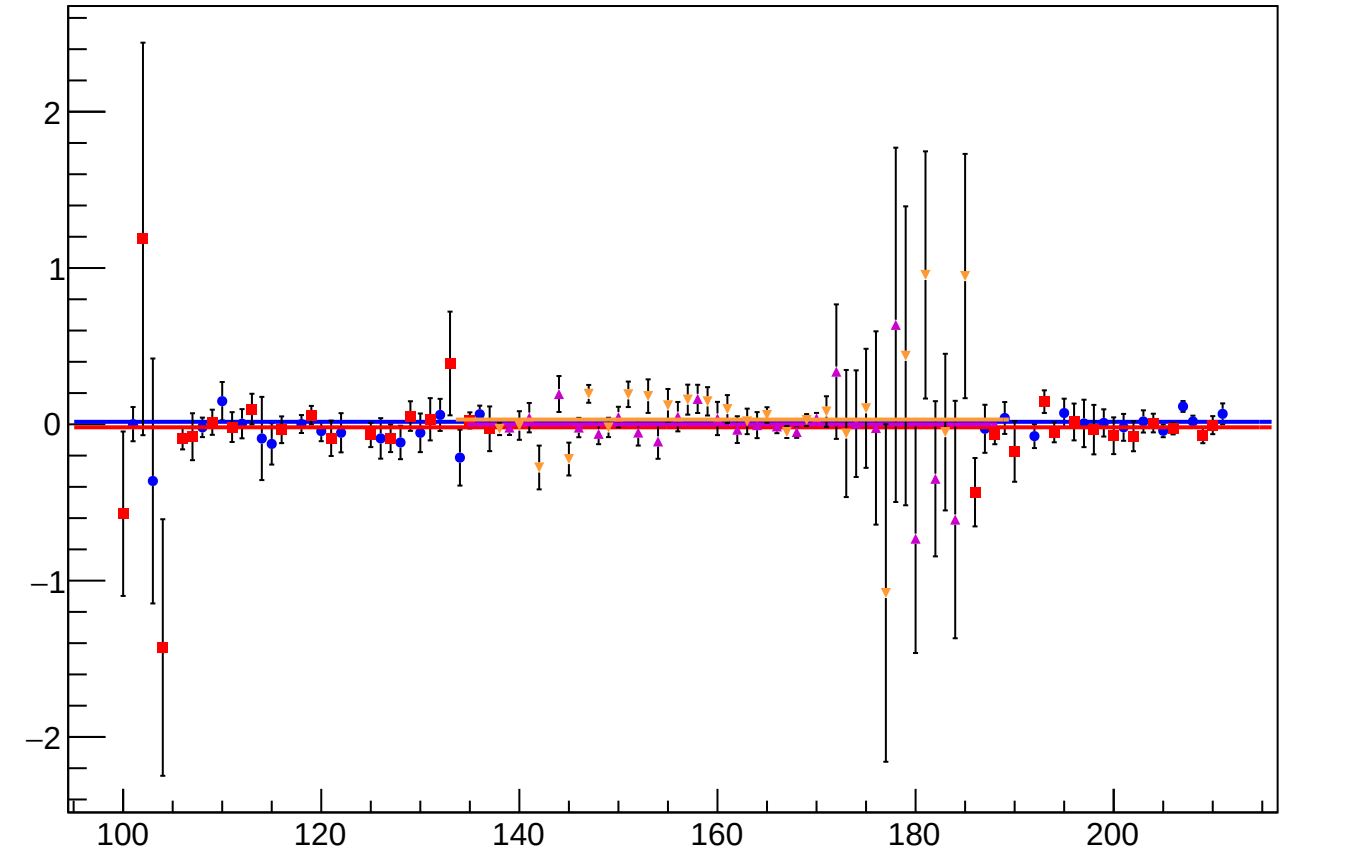
Right Out: 0.000+/-0.000 χ^2/NDF: 10954945.7/30

Left In: 0.000+/-0.000 χ^2/NDF:2888385.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 12429573.4/51

All: 0.000+/-0.000 χ^2/NDF: 26937341.7/105

- sign 0.000+/-0.000 χ^2/NDF: 14413283.6/53



Right In: 0.016+/-0.014 χ^2/NDF: 22.1/27

Left Out: 0.031+/-0.015 χ^2/NDF:41.5/23

Right Out: -0.019+/-0.014 χ^2/NDF: 26.2/30

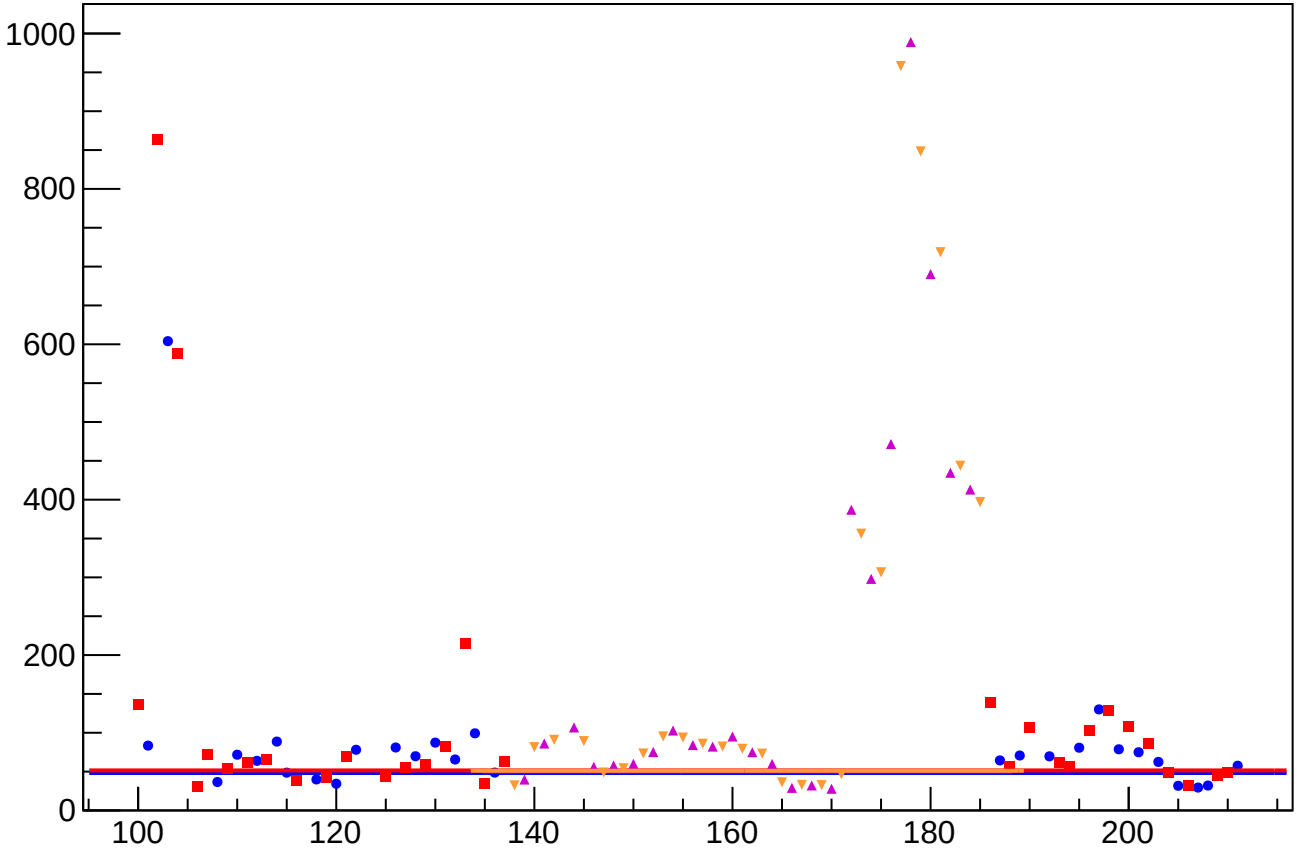
Left In: -0.001+/-0.015 χ^2/NDF:16.0/22

+ sign 0.023+/-0.010 χ^2/NDF: 64.2/51

All: 0.006+/-0.007 χ^2/NDF: 112.1/105

- sign -0.010+/-0.010 χ^2/NDF: 42.9/53

asym_us_dd_at2lr_dd_dd_dit_vs_cor_diff_rms vs Slug



Right In: 48.254+/-0.010 χ^2/NDF: 5283192.6/27

Left Out: 51.081+/-0.011 χ^2/NDF:11736636.7/23

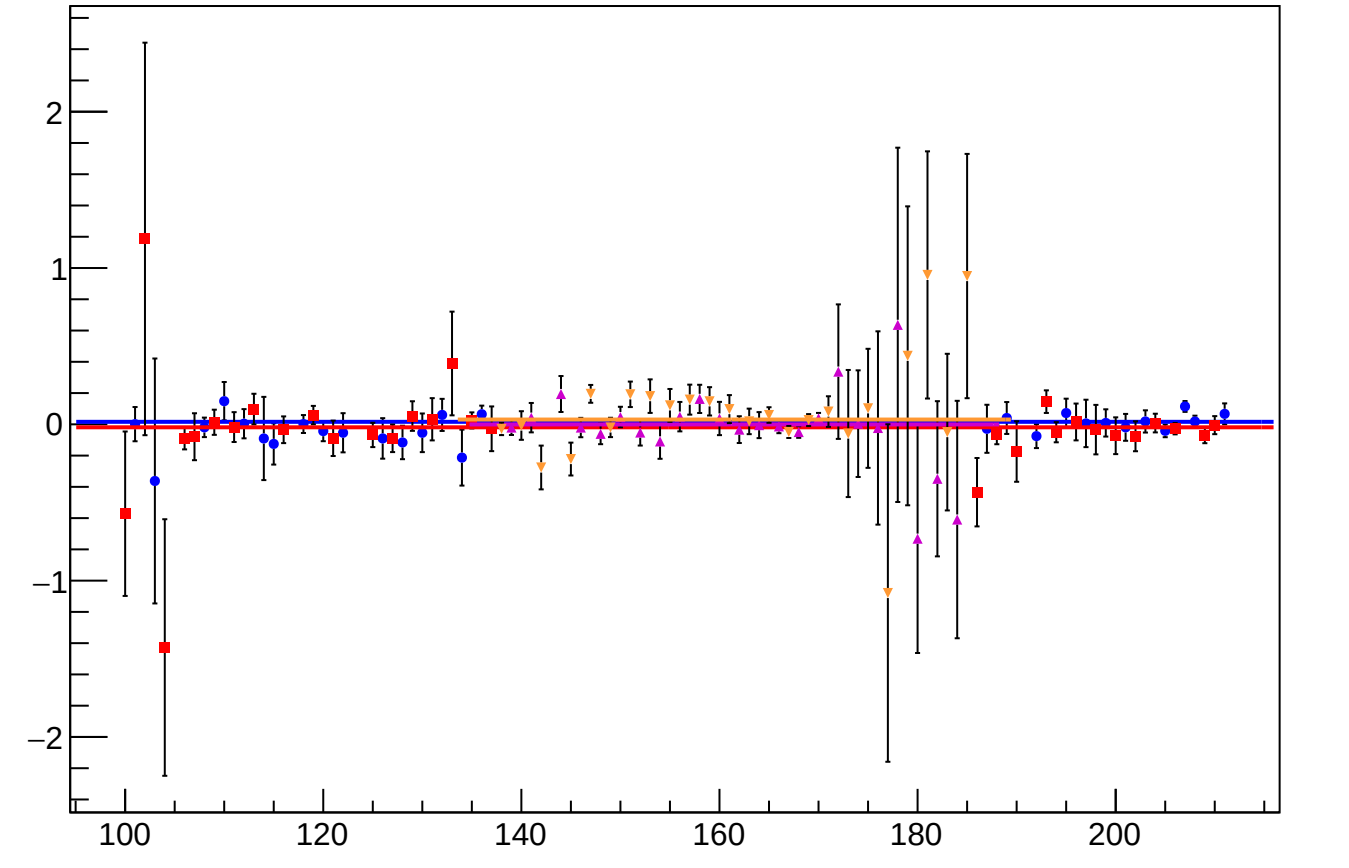
Right Out: 51.523+/-0.010 χ^2/NDF: 5744905.2/30

Left In: 50.251+/-0.011 χ^2/NDF:12195723.8/22

+ sign 49.516+/-0.007 χ^2/NDF: 17056780.7/51

All: 50.208+/-0.005 χ^2/NDF: 35022900.5/105

- sign 50.921+/-0.007 χ^2/NDF: 17947952.7/53



Right In: 0.016+/-0.014 χ^2/NDF: 22.1/27

Left Out: 0.031+/-0.015 χ^2/NDF:41.5/23

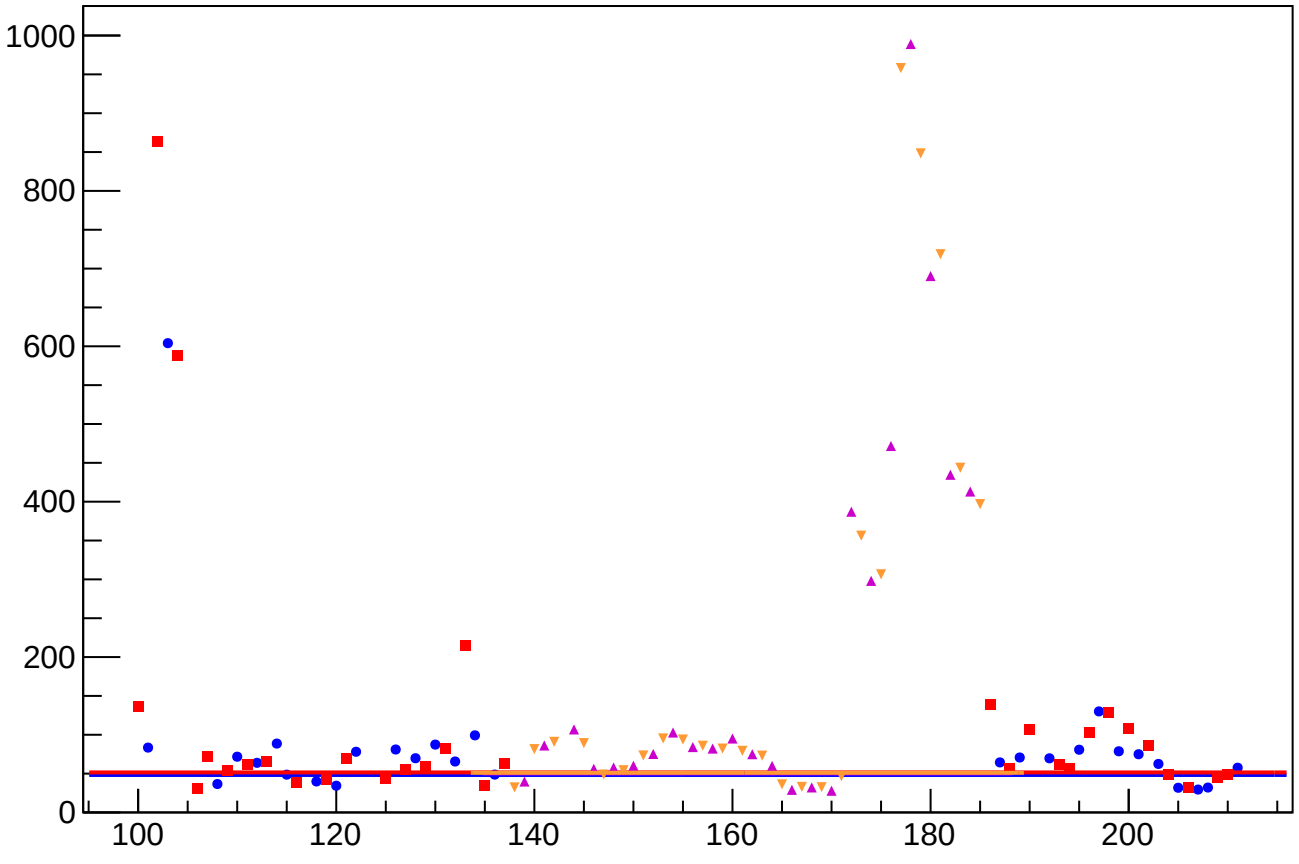
Right Out: -0.019+/-0.014 χ^2/NDF: 26.2/30

Left In: -0.001+/-0.015 χ^2/NDF:16.0/22

+ sign 0.023+/-0.010 χ^2/NDF: 64.2/51

All: 0.006+/-0.007 χ^2/NDF: 112.1/105

- sign -0.010+/-0.010 χ^2/NDF: 42.9/53



Right In: 48.254+/-0.010 χ^2/NDF: 5283192.6/27

Left Out: 51.081+/-0.011 χ^2/NDF:11736636.7/23

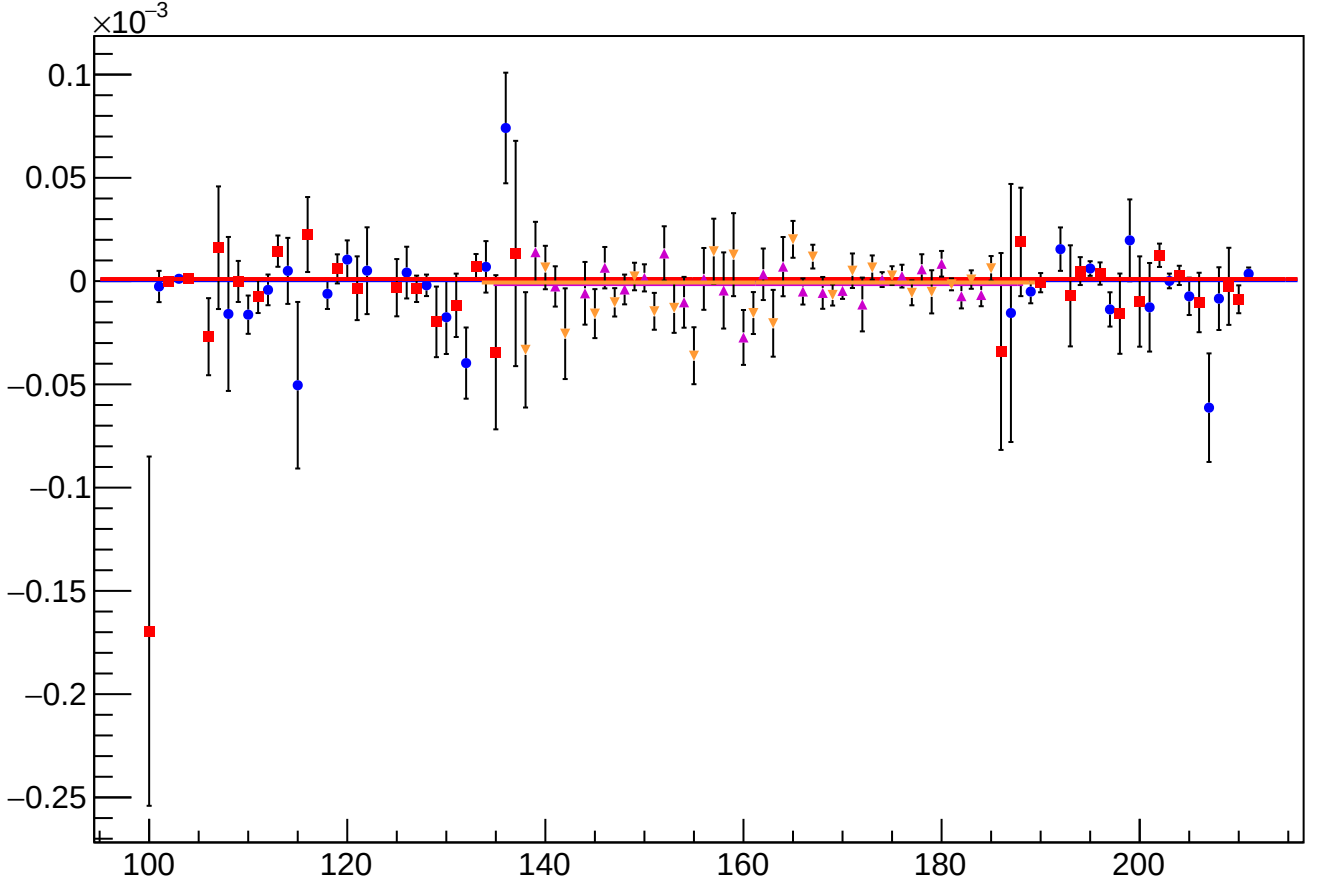
Right Out: 51.523+/-0.010 χ^2/NDF: 5744905.2/30

Left In: 50.251+/-0.011 χ^2/NDF:12195723.8/22

+ sign 49.516+/-0.007 χ^2/NDF: 17056780.7/51

All: 50.208+/-0.005 χ^2/NDF: 35022900.5/105

- sign 50.921+/-0.007 χ^2/NDF: 17947952.7/53



Right In: 0.000+/-0.000 χ^2/NDF: 39.9/27

Left Out: -0.000+/-0.000 χ^2/NDF:38.5/23

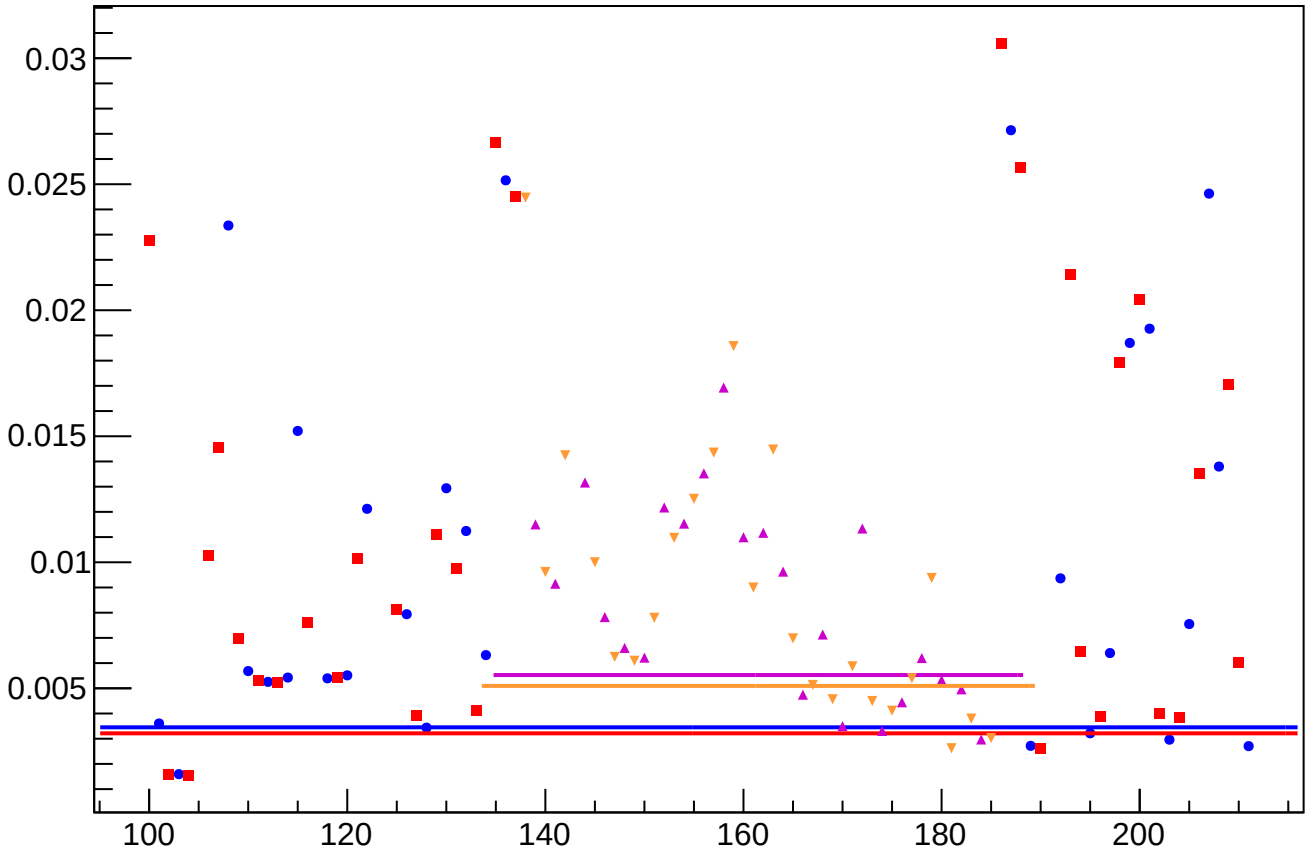
Right Out: 0.000+/-0.000 χ^2/NDF: 27.8/30

Left In: -0.000+/-0.000 χ^2/NDF:16.4/22

+ sign -0.000+/-0.000 χ^2/NDF: 78.7/51

All: 0.000+/-0.000 χ^2/NDF: 124.7/105

- sign 0.000+/-0.000 χ^2/NDF: 45.9/53



Right In: 0.003+/-0.000 χ^2/NDF: 12161024.0/27

Left Out: 0.005+/-0.000 χ^2/NDF:8380878.9/23

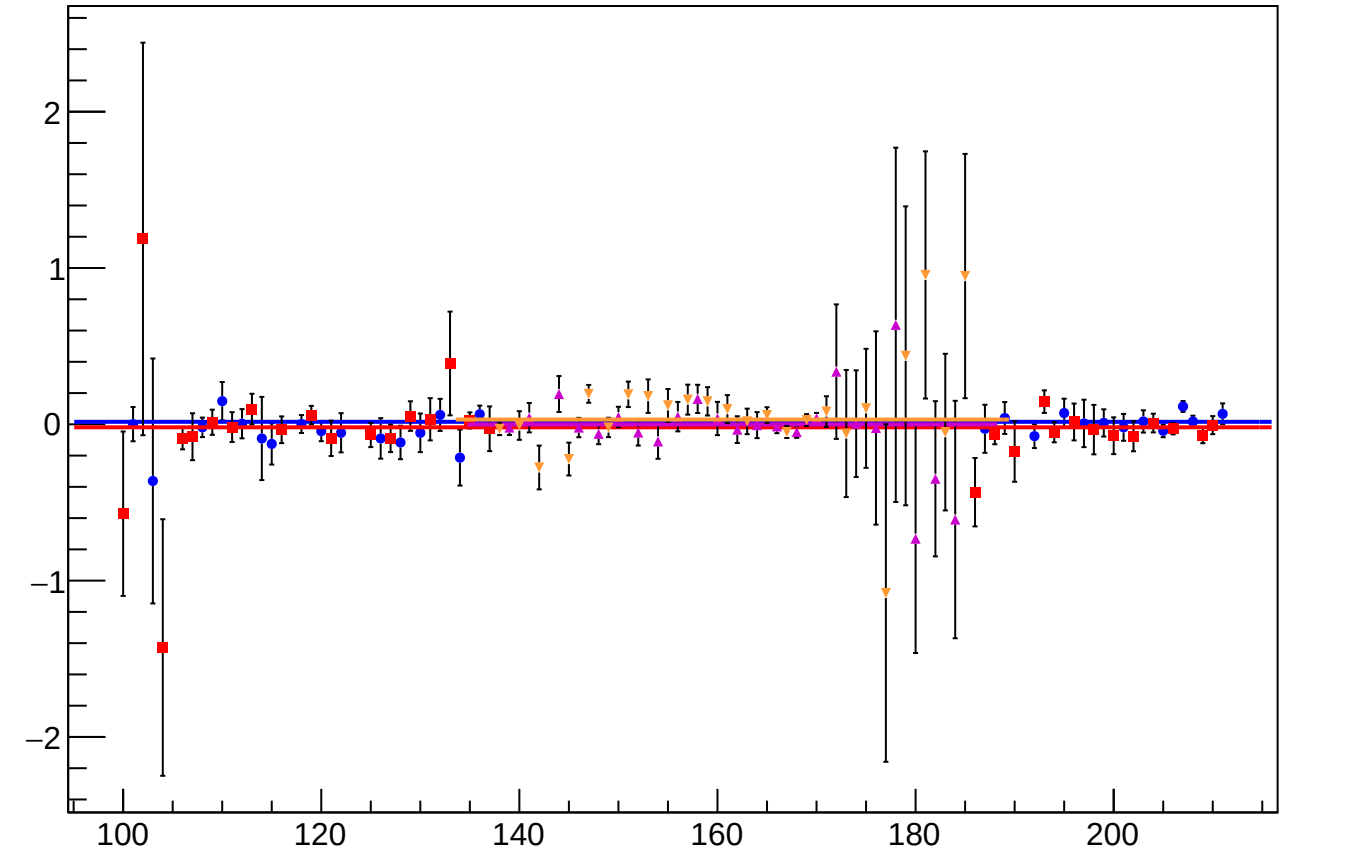
Right Out: 0.003+/-0.000 χ^2/NDF: 15495463.4/30

Left In: 0.006+/-0.000 χ^2/NDF:6892708.8/22

+ sign 0.004+/-0.000 χ^2/NDF: 22170129.6/51

All: 0.004+/-0.000 χ^2/NDF: 47663069.2/105

- sign 0.004+/-0.000 χ^2/NDF: 25472436.6/53



Right In: 0.016+/-0.014 χ^2/NDF: 22.1/27

Left Out: 0.031+/-0.015 χ^2/NDF:41.5/23

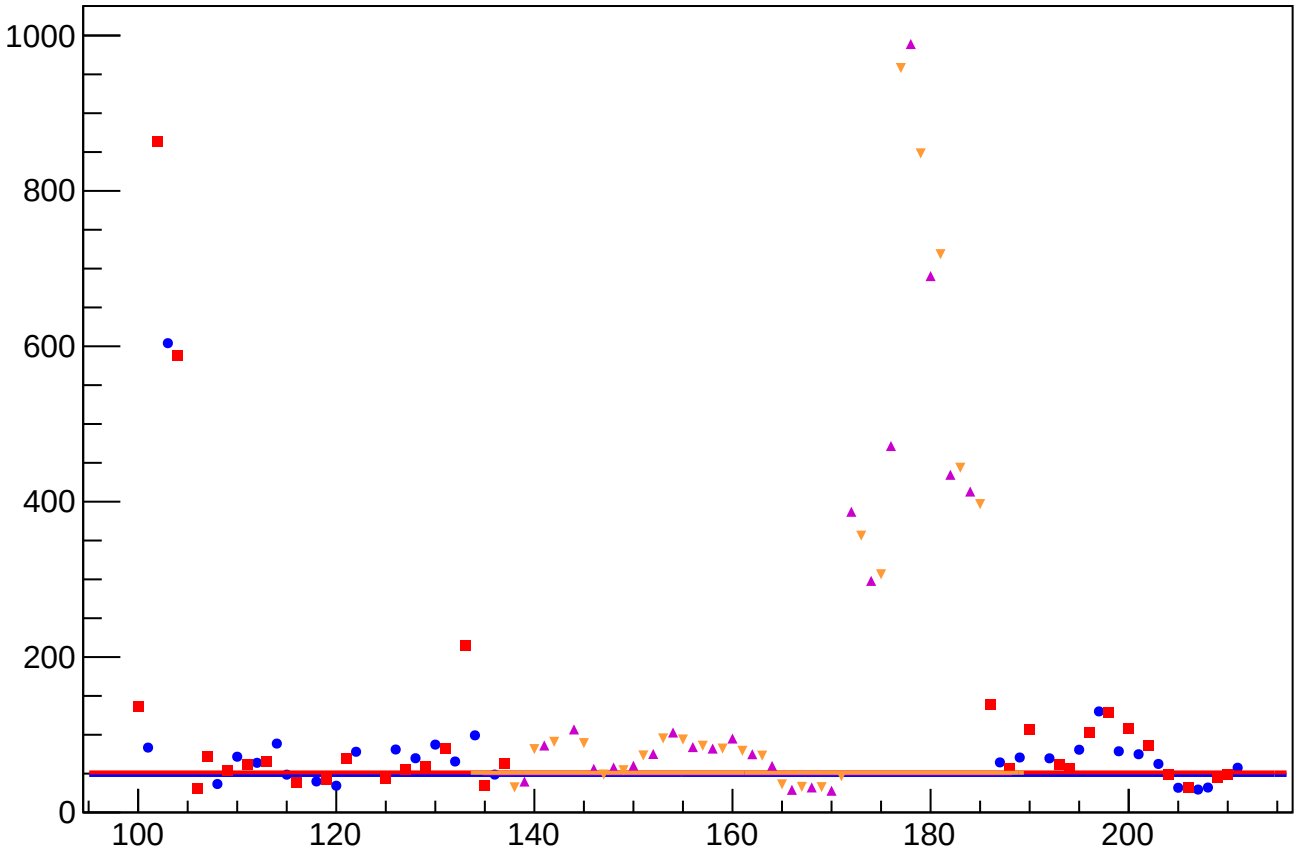
Right Out: -0.019+/-0.014 χ^2/NDF: 26.2/30

Left In: -0.001+/-0.015 χ^2/NDF:16.0/22

+ sign 0.023+/-0.010 χ^2/NDF: 64.2/51

All: 0.006+/-0.007 χ^2/NDF: 112.1/105

- sign -0.010+/-0.010 χ^2/NDF: 42.9/53



Right In: 48.254+/-0.010 χ^2/NDF: 5283063.8/27

Left Out: 51.083+/-0.011 χ^2/NDF:11735805.5/23

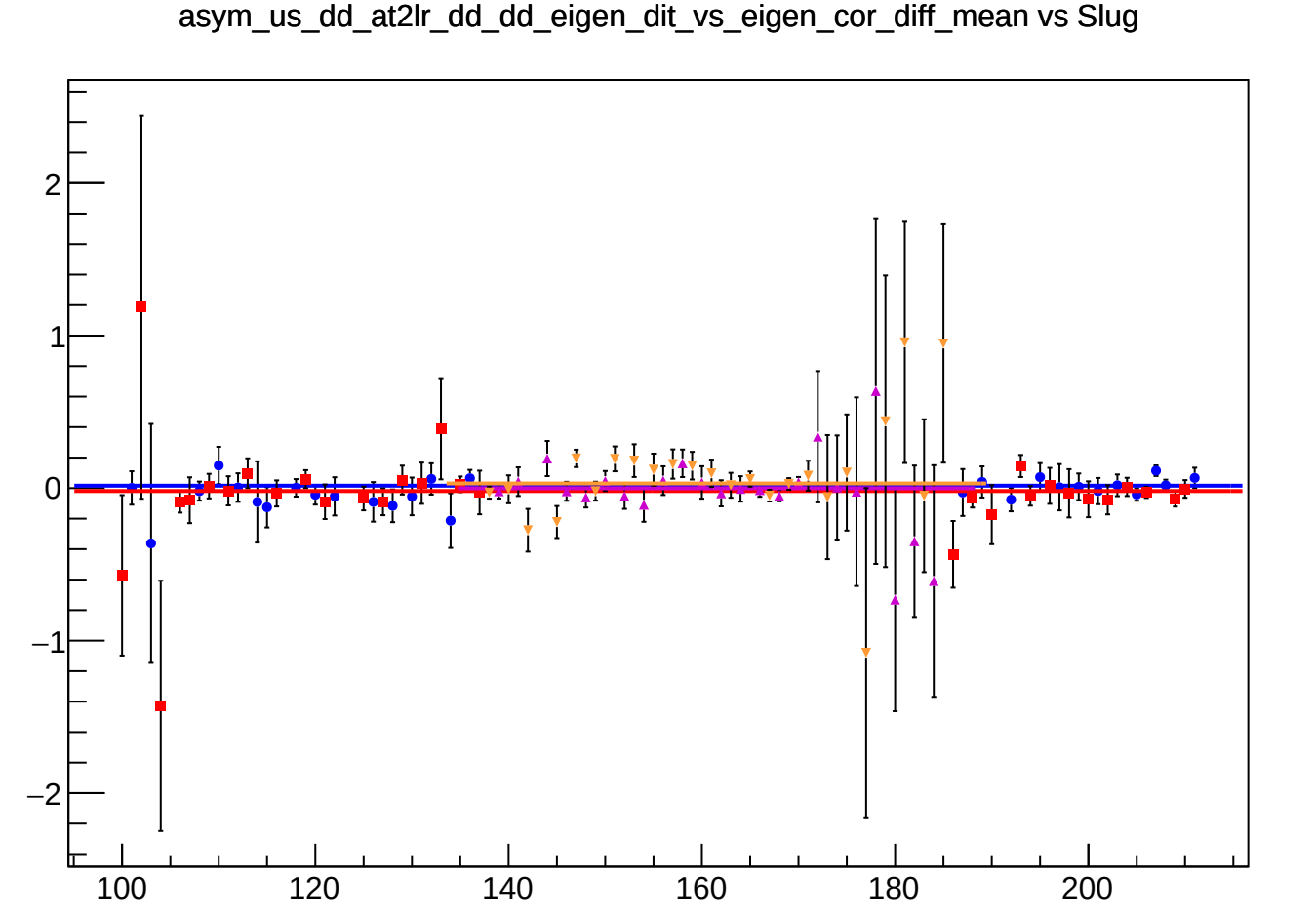
Right Out: 51.524+/-0.010 χ^2/NDF: 5744623.8/30

Left In: 50.251+/-0.011 χ^2/NDF:12195665.4/22

+ sign 49.518+/-0.007 χ^2/NDF: 17055873.9/51

All: 50.209+/-0.005 χ^2/NDF: 35021656.7/105

- sign 50.921+/-0.007 χ^2/NDF: 17947628.8/53



Right In: 0.016+/-0.014 χ^2/NDF: 22.1/27

Left Out: 0.031+/-0.015 χ^2/NDF:41.5/23

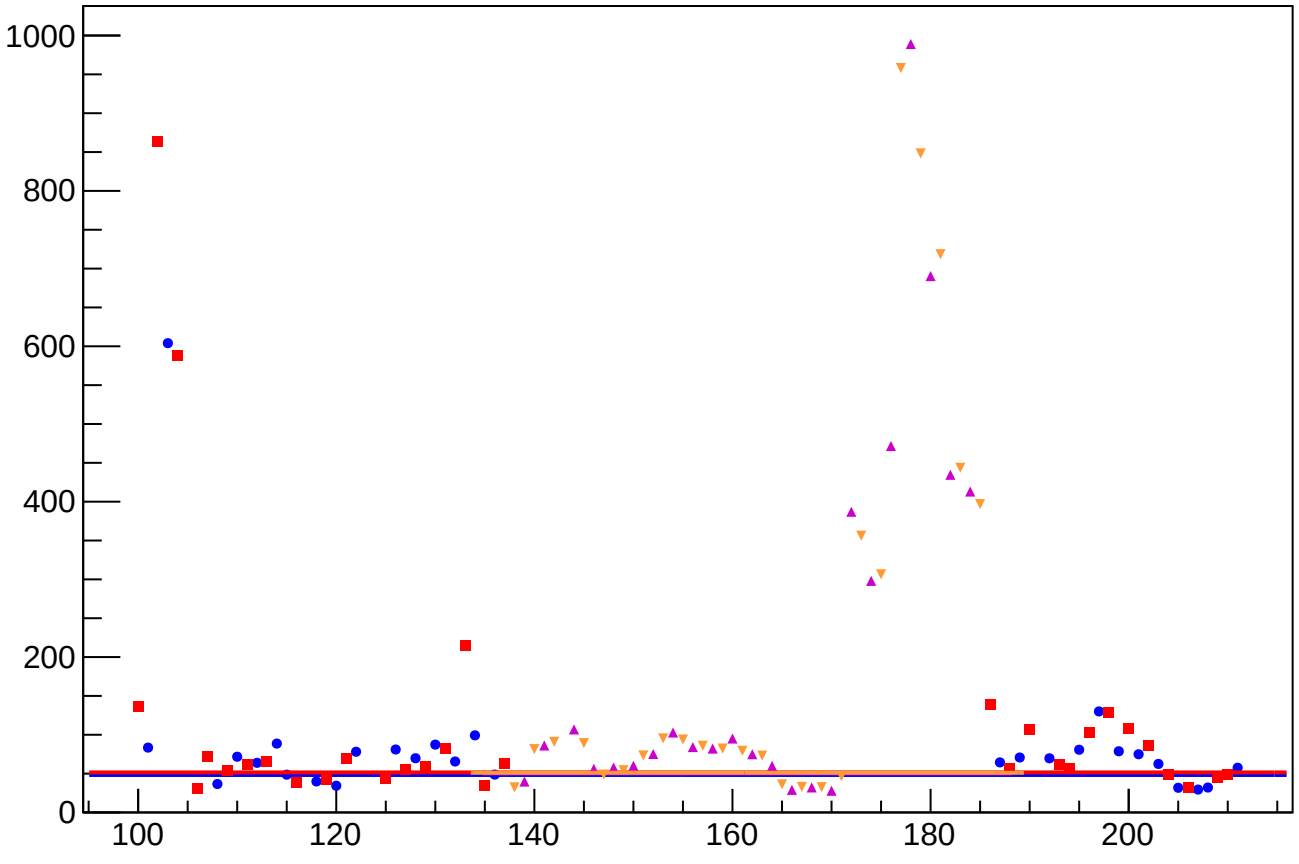
Right Out: -0.019+/-0.014 χ^2/NDF: 26.2/30

Left In: -0.001+/-0.015 χ^2/NDF:16.0/22

+ sign 0.023+/-0.010 χ^2/NDF: 64.2/51

All: 0.006+/-0.007 χ^2/NDF: 112.1/105

- sign -0.010+/-0.010 χ^2/NDF: 42.9/53



Right In: 48.254+/-0.010 χ^2/NDF: 5283063.8/27

Left Out: 51.083+/-0.011 χ^2/NDF:11735805.5/23

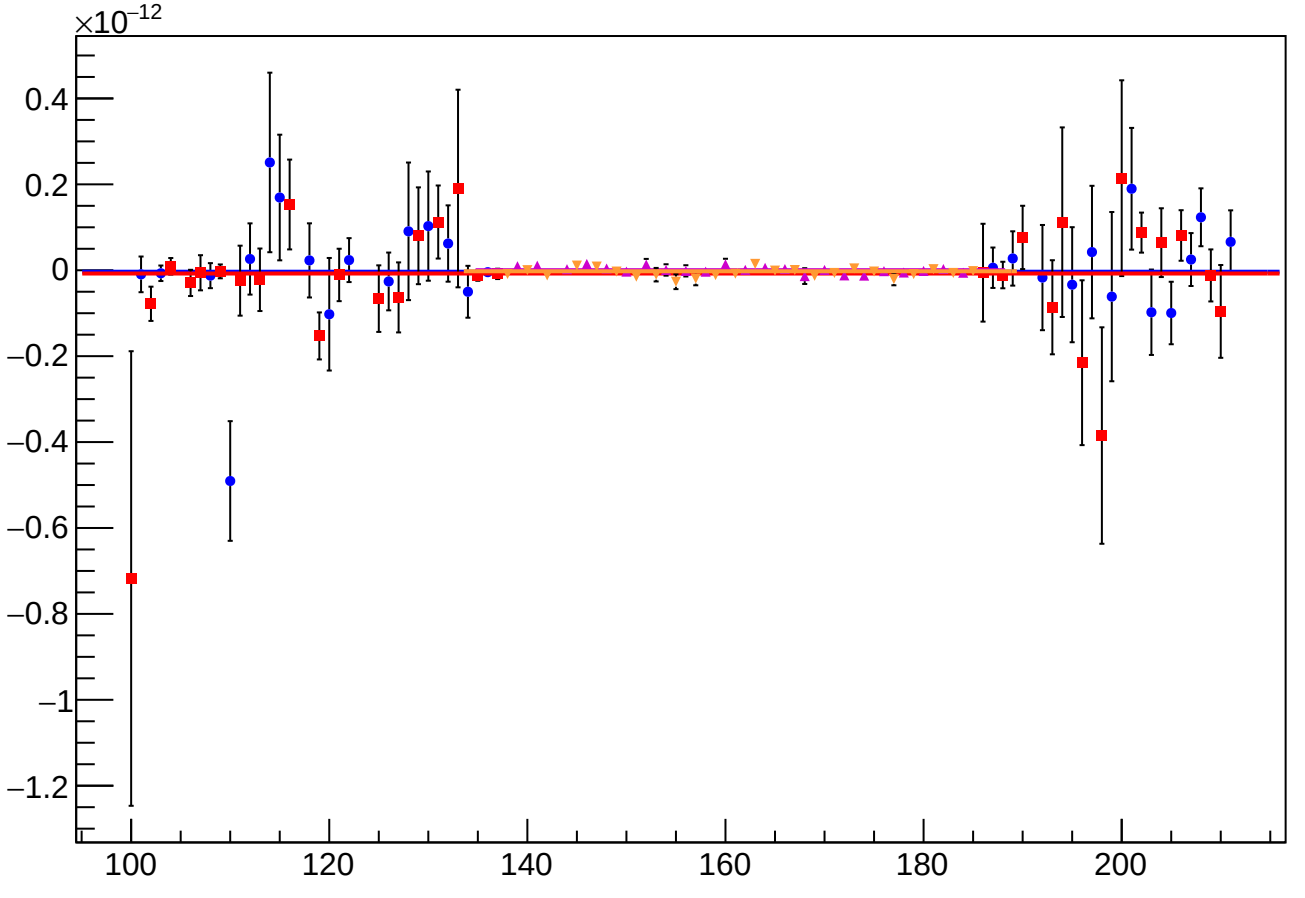
Right Out: 51.524+/-0.010 χ^2/NDF: 5744623.8/30

Left In: 50.251+/-0.011 χ^2/NDF:12195665.4/22

+ sign 49.518+/-0.007 χ^2/NDF: 17055873.9/51

All: 50.209+/-0.005 χ^2/NDF: 35021656.7/105

- sign 50.921+/-0.007 χ^2/NDF: 17947628.8/53



Right In: -0.000+/-0.000 χ^2/NDF: 28.3/27

Left Out: -0.000+/-0.000 χ^2/NDF:22.2/23

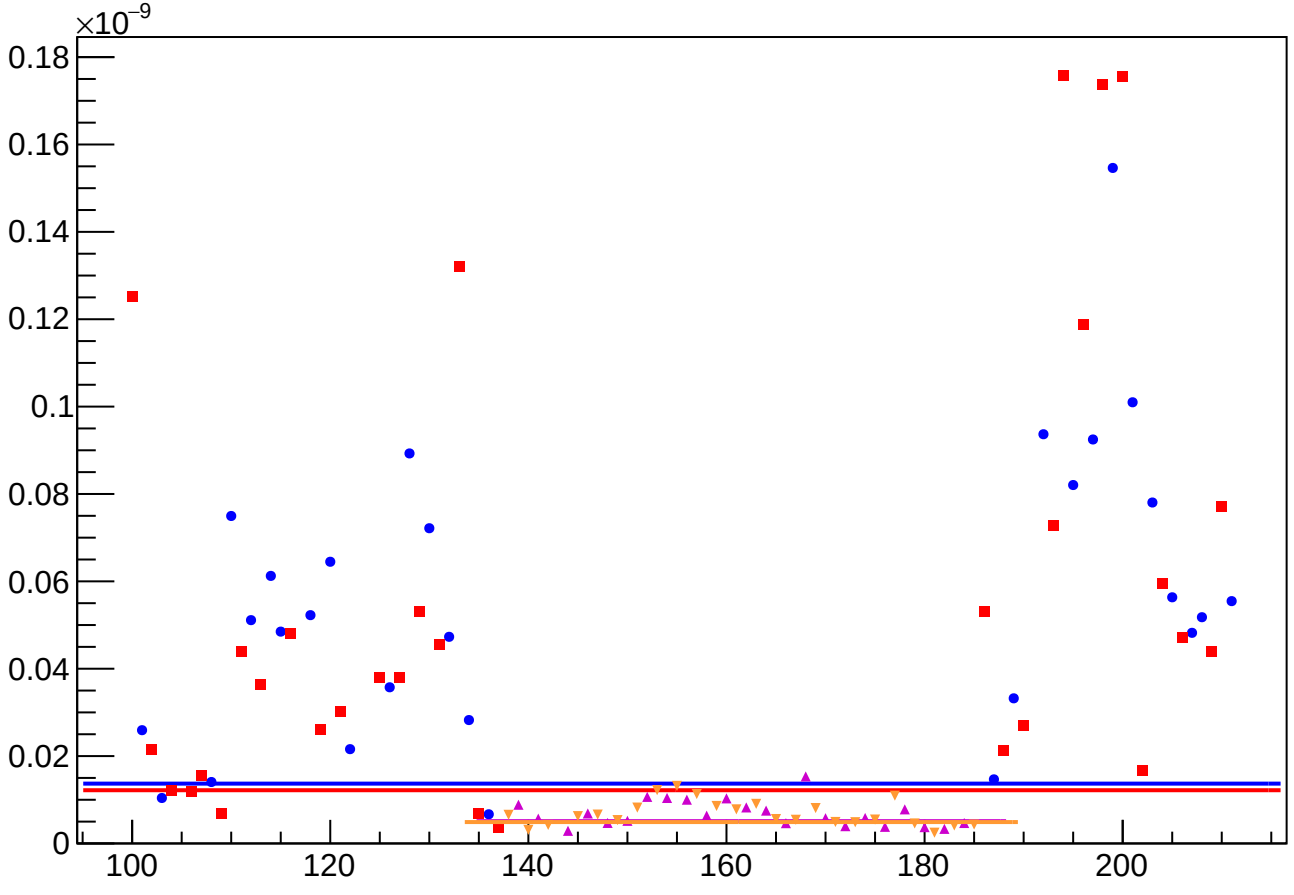
Right Out: -0.000+/-0.000 χ^2/NDF: 34.7/30

Left In: 0.000+/-0.000 χ^2/NDF:18.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 50.6/51

All: -0.000+/-0.000 χ^2/NDF: 106.0/105

- sign -0.000+/-0.000 χ^2/NDF: 54.5/53



Right In: 0.000+/-0.000 χ^2/NDF: 12269367.9/27

Left Out: 0.000+/-0.000 χ^2/NDF:4312108.9/23

Right Out: 0.000+/-0.000 χ^2/NDF: 11785720.7/30

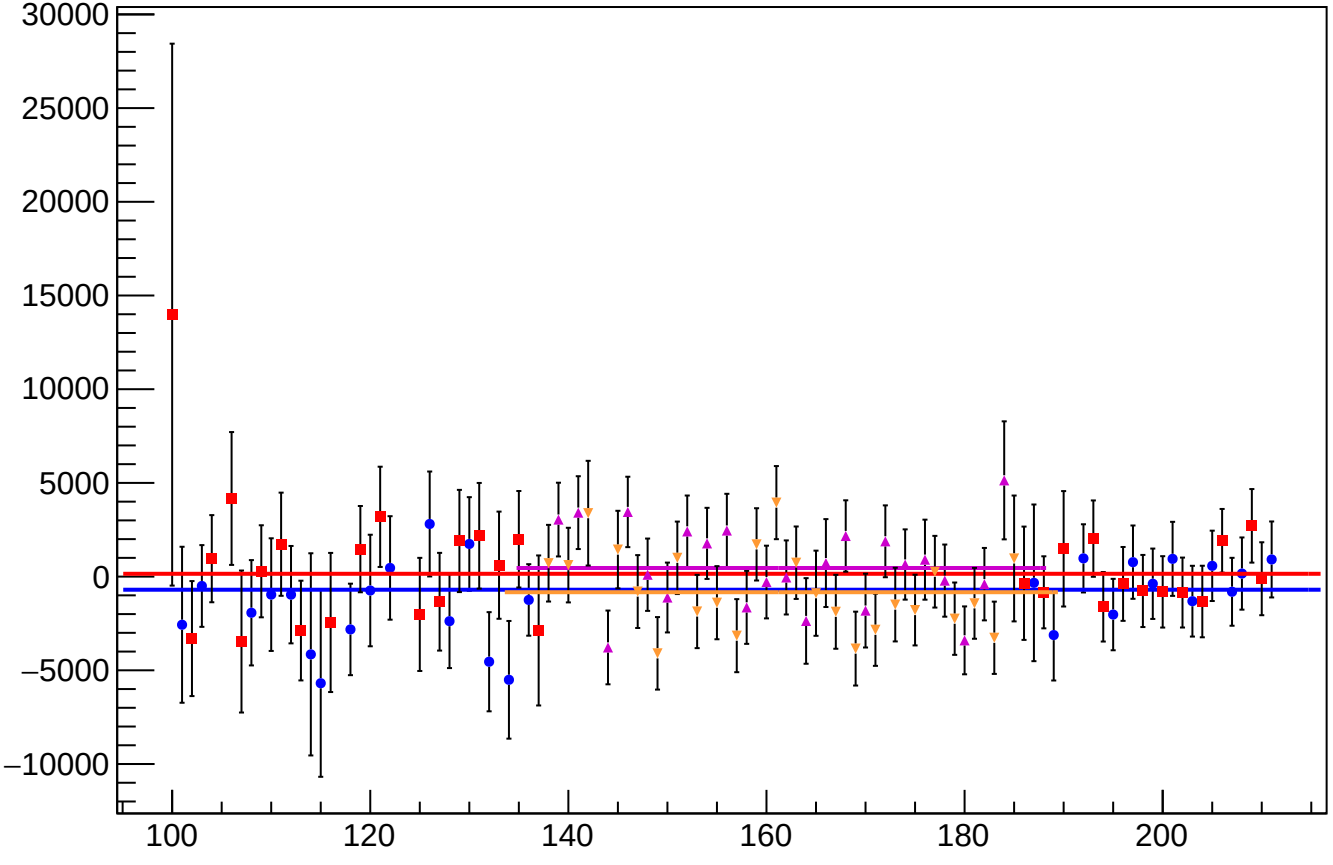
Left In: 0.000+/-0.000 χ^2/NDF:3777059.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 20006455.2/51

All: 0.000+/-0.000 χ^2/NDF: 38101324.8/105

- sign 0.000+/-0.000 χ^2/NDF: 18077181.9/53

reg_asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -699.911+/-443.048 χ^2/NDF: 15.3/27

Left Out: -832.582+/-410.448 χ^2/NDF:25.4/23

Right Out: 150.180+/-430.699 χ^2/NDF: 17.6/30

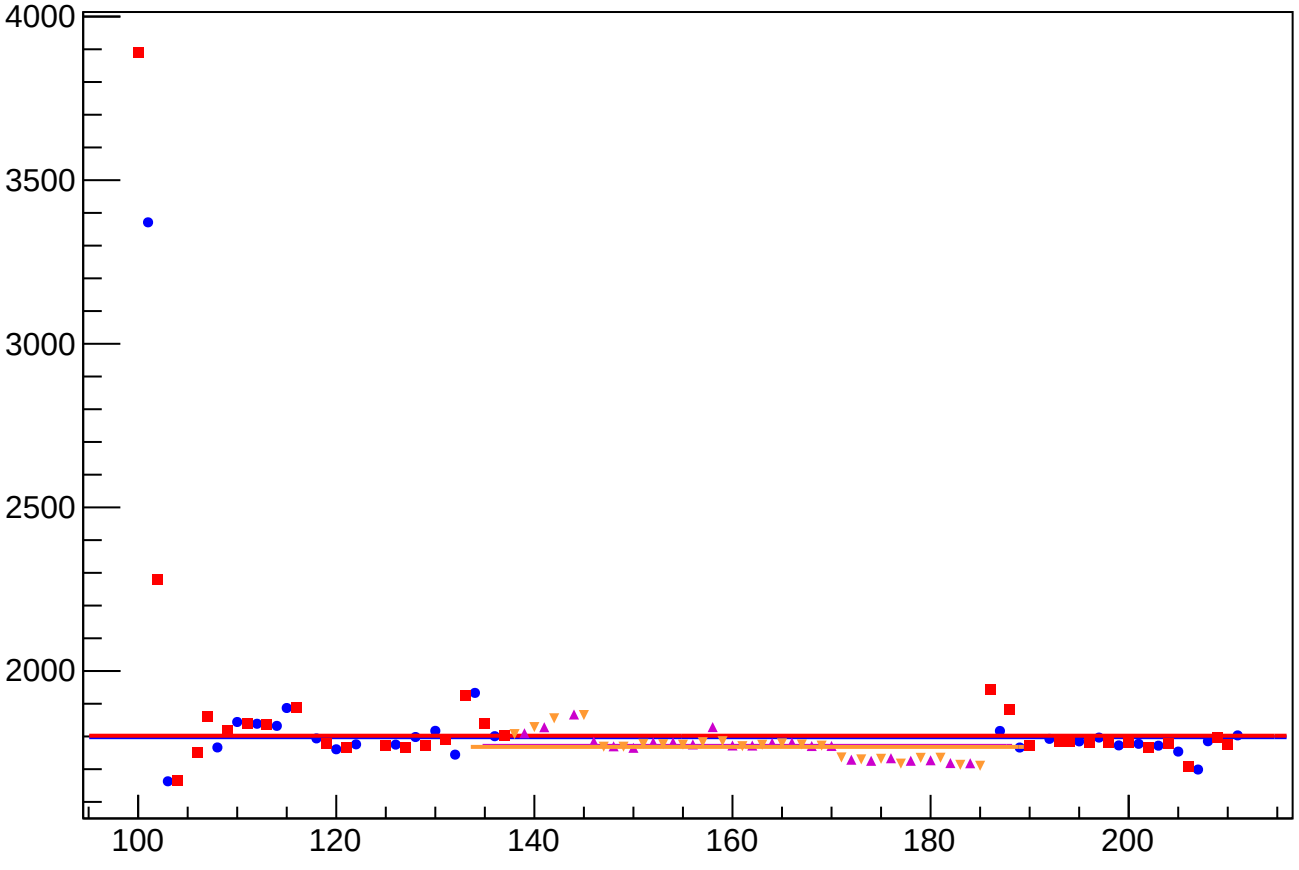
Left In: 459.594+/-413.637 χ^2/NDF:27.3/22

+ sign -771.307+/-301.097 χ^2/NDF: 40.8/51

All: -225.099+/-211.924 χ^2/NDF: 92.4/105

- sign 311.137+/-298.335 χ^2/NDF: 45.1/53

reg_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1797.818+/-0.313 χ^2/NDF: 309233.8/27

Left Out: 1768.125+/-0.290 χ^2/NDF:16358.2/23

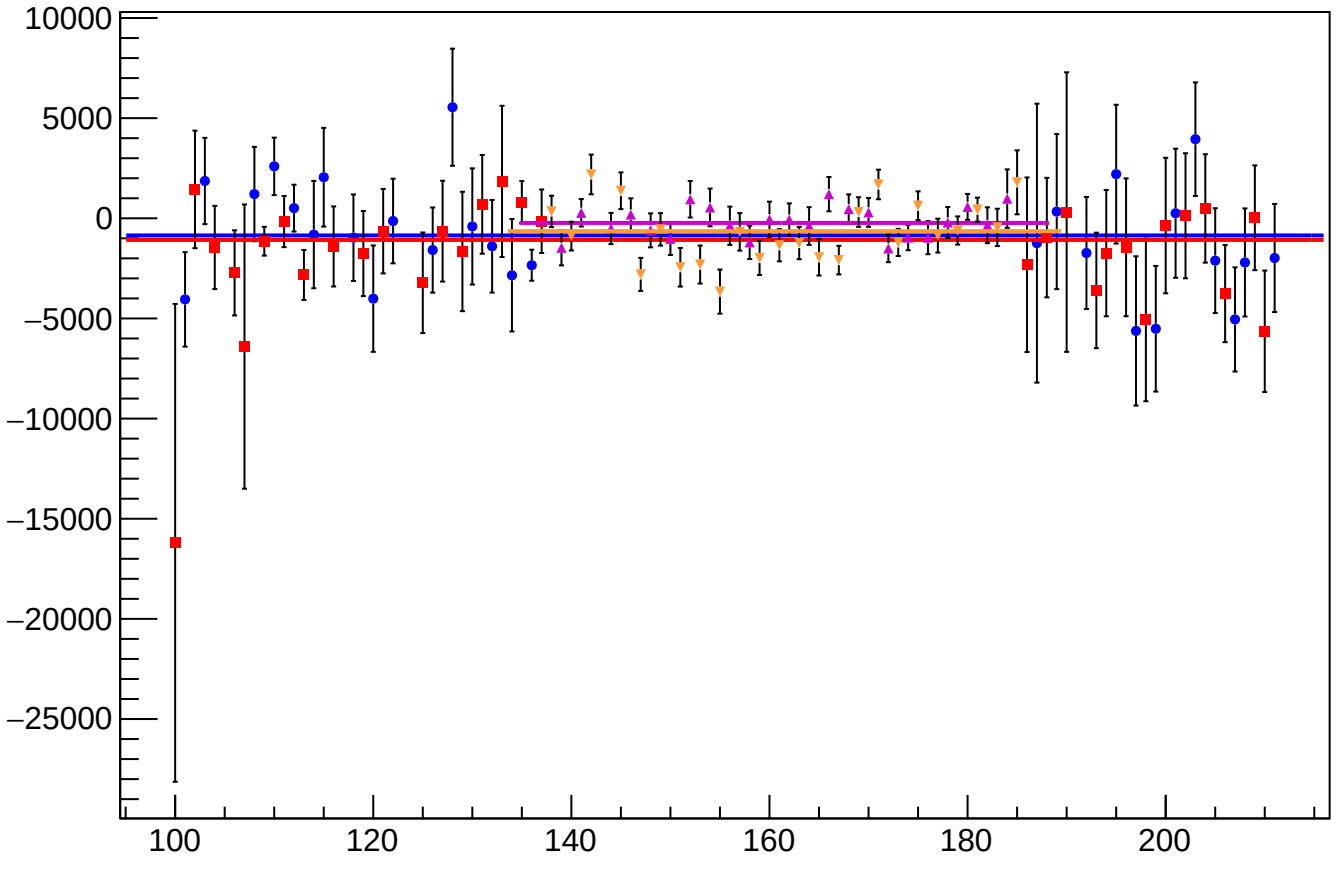
Right Out: 1802.295+/-0.305 χ^2/NDF: 122281.3/30

Left In: 1771.217+/-0.292 χ^2/NDF:16425.7/22

+ sign 1781.839+/-0.213 χ^2/NDF: 330426.0/51

All: 1784.003+/-0.150 χ^2/NDF: 474754.5/105

- sign 1786.128+/-0.211 χ^2/NDF: 144123.7/53



Right In: -855.582+/-396.009 χ^2/NDF: 34.5/27

Left Out: -641.029+/-166.449 χ^2/NDF:66.7/23

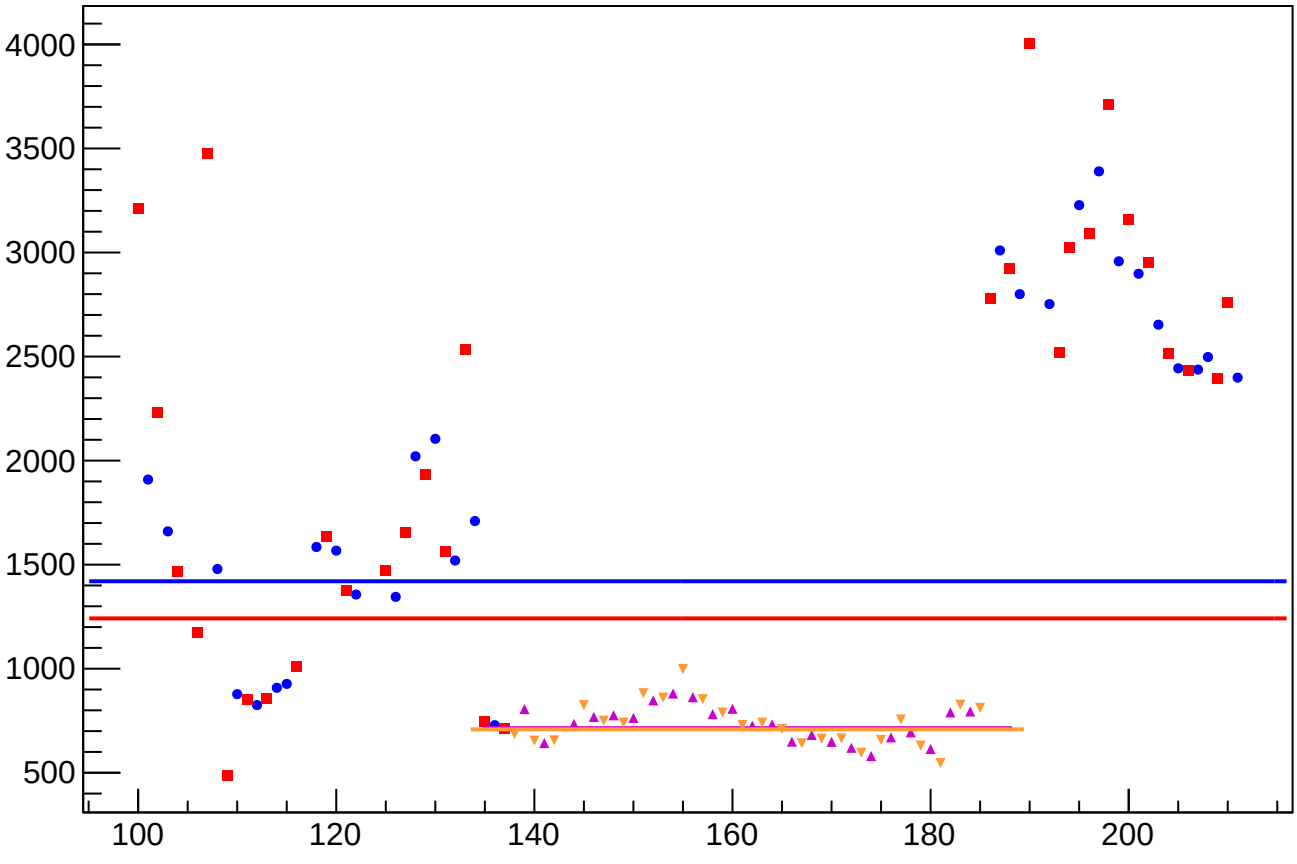
Right Out: -1078.446+/-358.888 χ^2/NDF: 17.8/30

Left In: -230.653+/-168.319 χ^2/NDF:19.9/22

+ sign -673.242+/-153.446 χ^2/NDF: 101.4/51

All: -527.378+/-108.128 χ^2/NDF: 145.6/105

- sign -383.513+/-152.391 χ^2/NDF: 42.3/53



Right In: 1420.140+/-0.280 χ^2/NDF: 7293524.5/27

Left Out: 708.503+/-0.118 χ^2/NDF:700473.3/23

Right Out: 1241.811+/-0.254 χ^2/NDF: 10919110.8/30

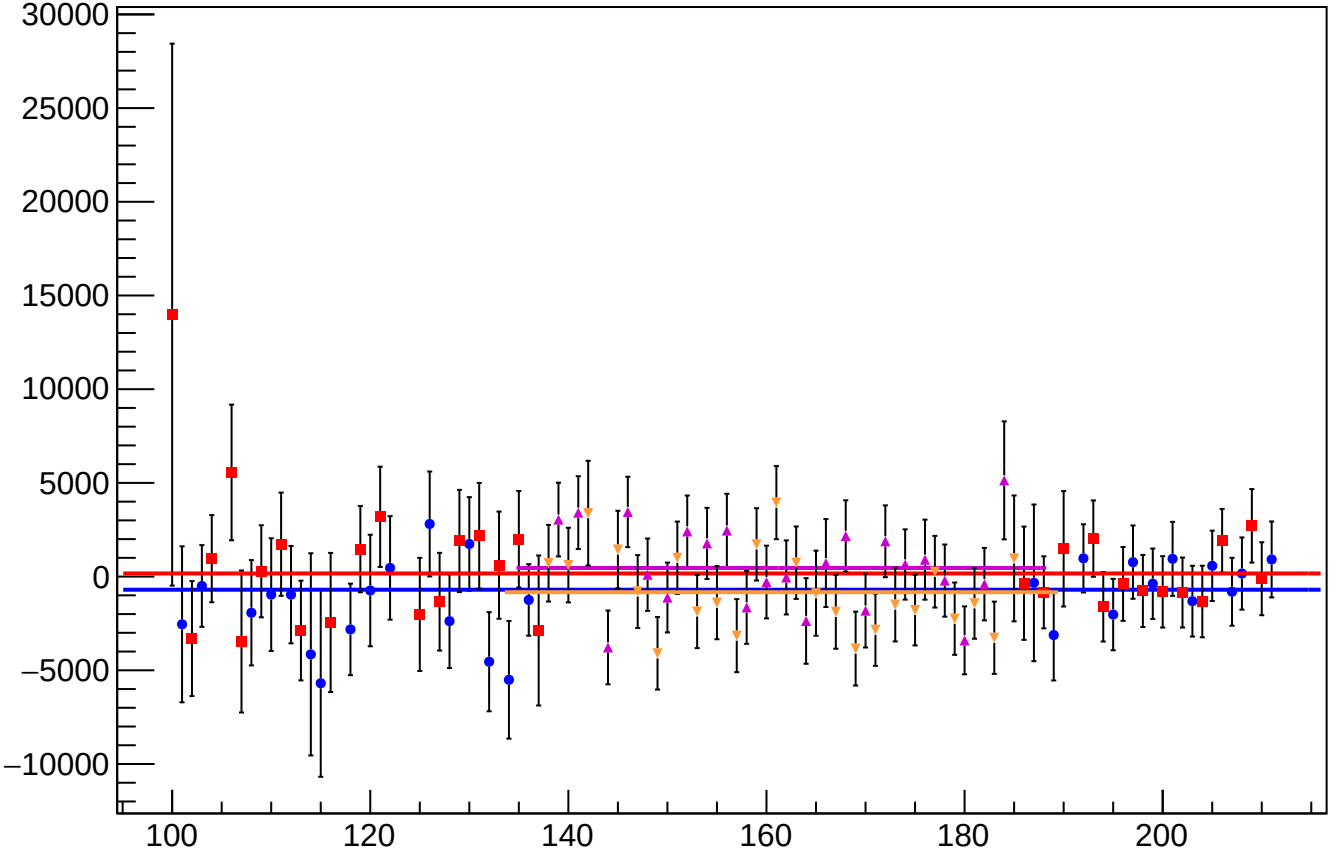
Left In: 714.162+/-0.119 χ^2/NDF:497246.5/22

+ sign 815.349+/-0.109 χ^2/NDF: 13482888.0/51

All: 812.303+/-0.076 χ^2/NDF: 28444500.3/10

- sign 809.299+/-0.108 χ^2/NDF: 14960047.0/53

cor_asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -699.661+/-443.048 χ^2/NDF: 15.3/27

Left Out: -832.476+/-410.448 χ^2/NDF:25.4/23

Right Out: 167.412+/-430.829 χ^2/NDF: 18.5/30

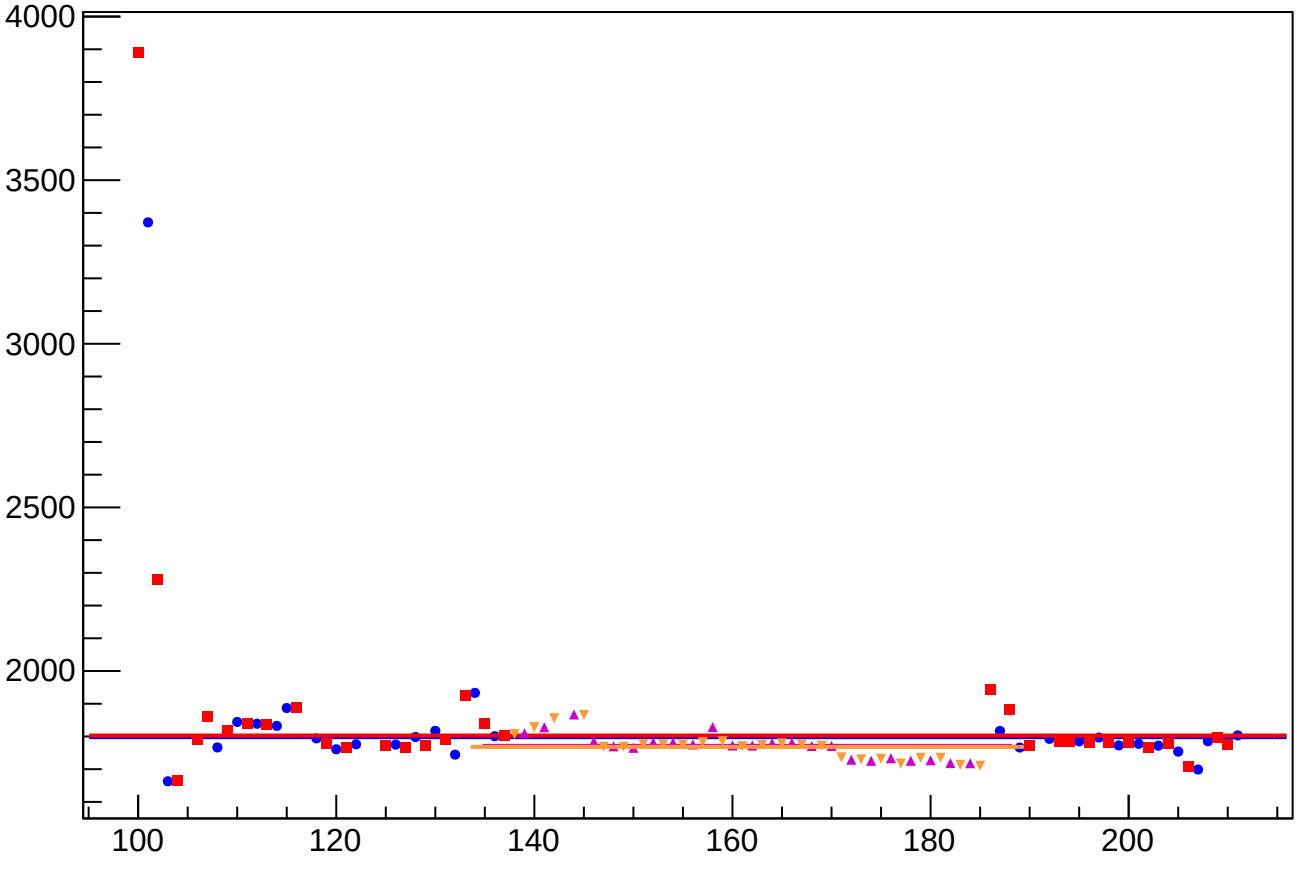
Left In: 459.554+/-413.637 χ^2/NDF:27.3/22

+ sign -771.134+/-301.097 χ^2/NDF: 40.8/51

All: -220.908+/-211.940 χ^2/NDF: 93.4/105

- sign 319.428+/-298.378 χ^2/NDF: 46.0/53

cor_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1797.818+/-0.313 χ^2/NDF: 309235.6/27

Left Out: 1768.125+/-0.290 χ^2/NDF:16358.2/23

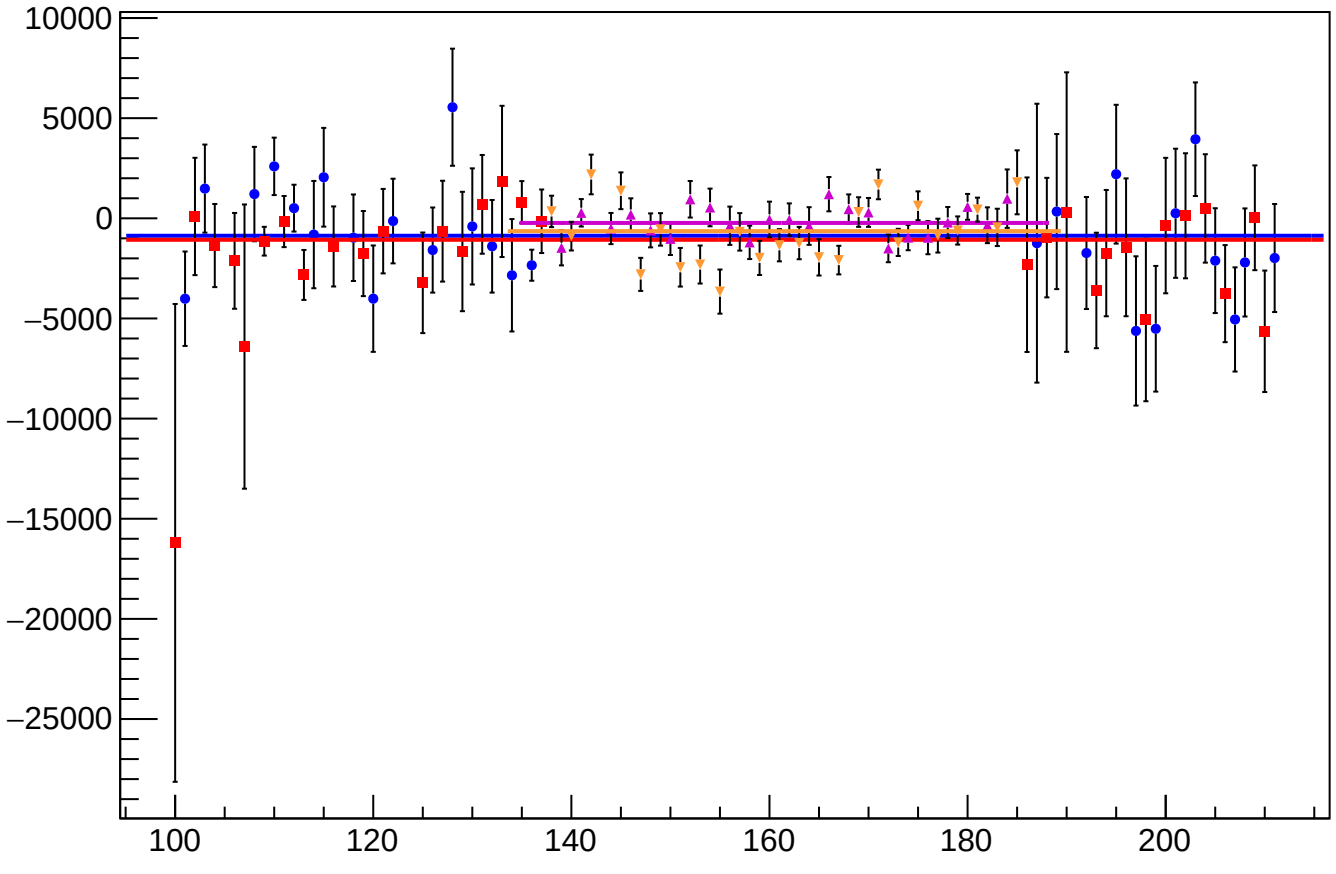
Right Out: 1802.905+/-0.305 χ^2/NDF: 121869.9/30

Left In: 1771.217+/-0.292 χ^2/NDF:16425.7/22

+ sign 1781.839+/-0.213 χ^2/NDF: 330427.8/51

All: 1784.149+/-0.150 χ^2/NDF: 474586.5/105

- sign 1786.417+/-0.211 χ^2/NDF: 143925.5/53



Right In: -870.796+/-396.275 χ^2/NDF: 34.0/27

Left Out: -641.004+/-166.450 χ^2/NDF:66.7/23

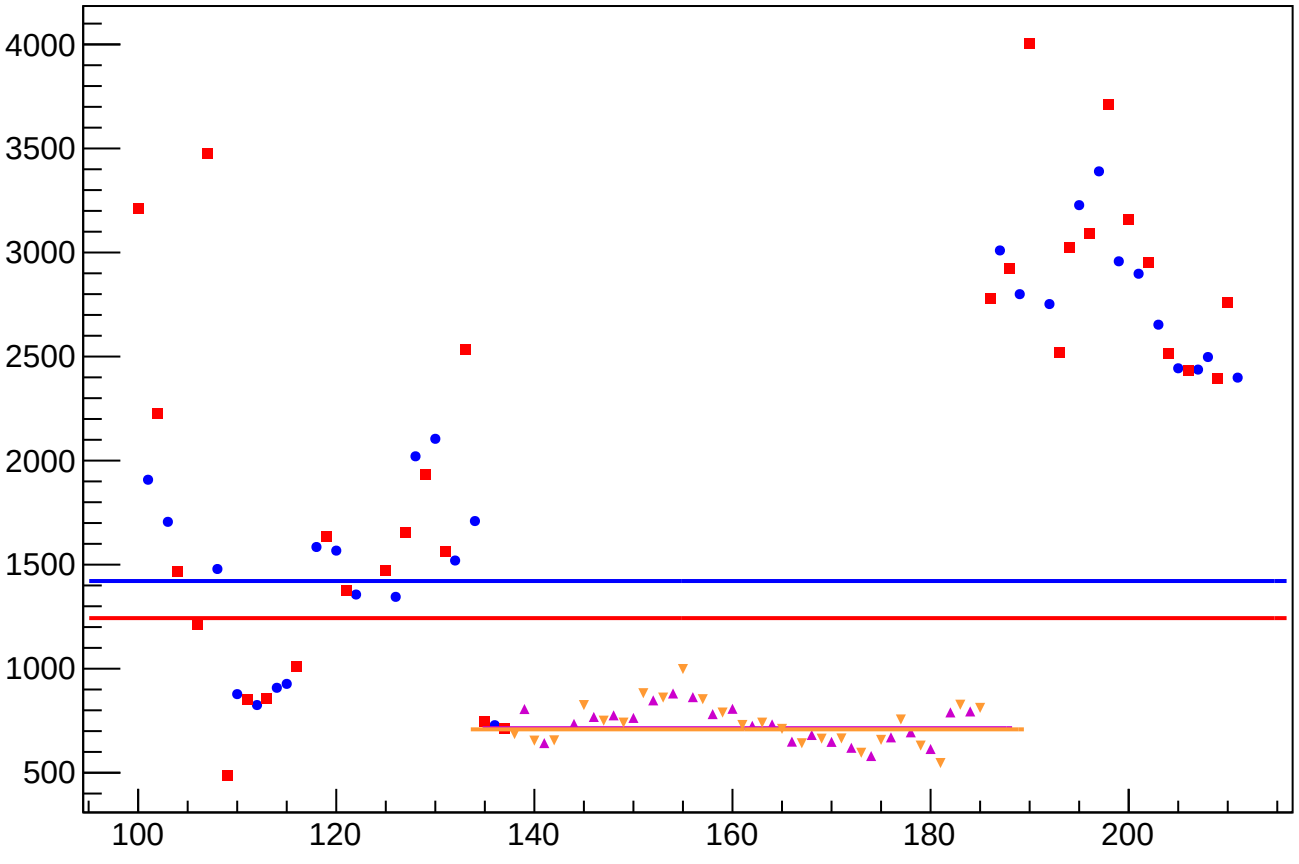
Right Out: -1072.068+/-359.944 χ^2/NDF: 16.8/30

Left In: -230.572+/-168.320 χ^2/NDF:19.9/22

+ sign -675.466+/-153.462 χ^2/NDF: 101.0/51

All: -527.567+/-108.163 χ^2/NDF: 144.0/105

- sign -381.569+/-152.473 χ^2/NDF: 41.2/53



Right In: 1421.304+/-0.280 χ^2/NDF: 7302160.0/27

Left Out: 708.508+/-0.118 χ^2/NDF:700448.7/23

Right Out: 1243.048+/-0.255 χ^2/NDF: 10916322.2/30

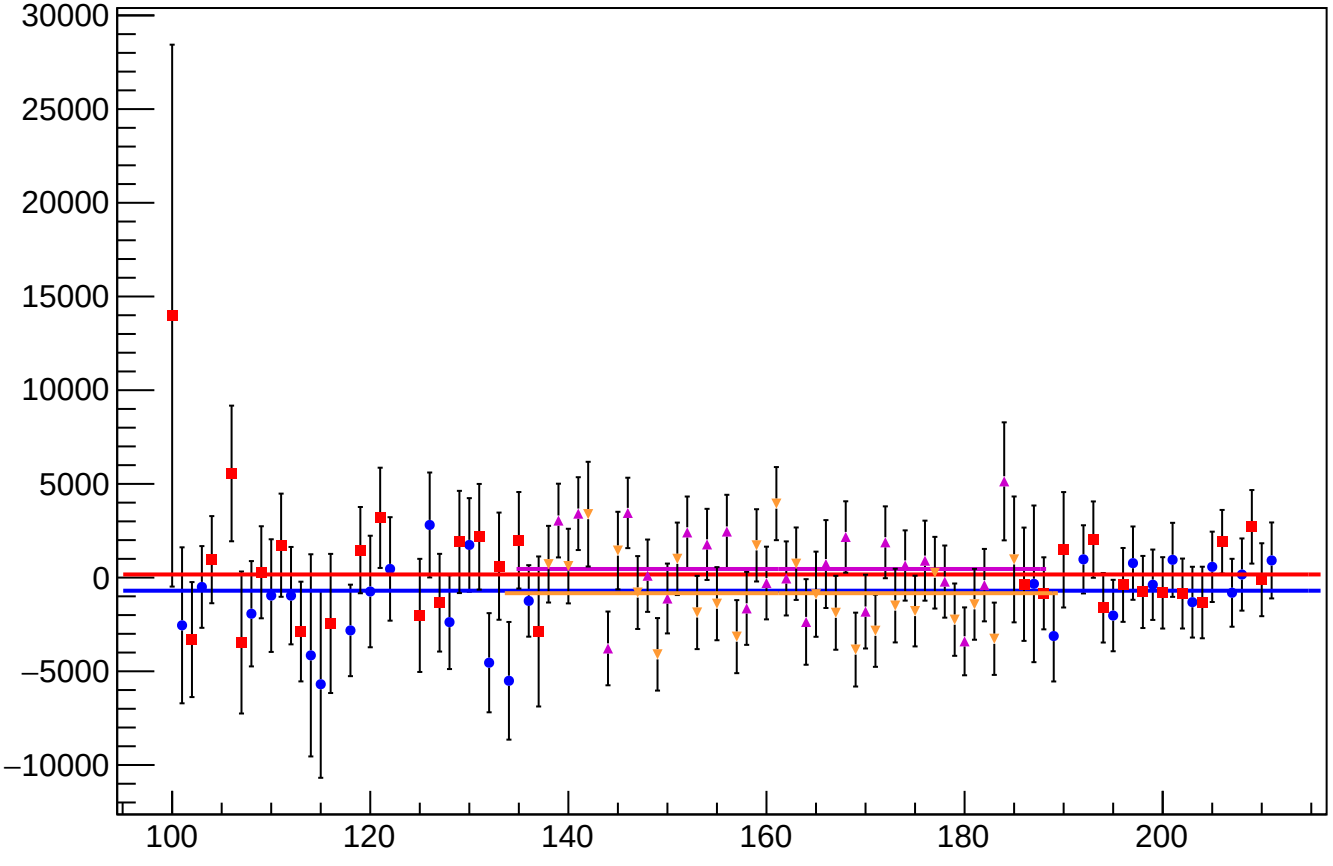
Left In: 714.168+/-0.119 χ^2/NDF:497252.3/22

+ sign 815.407+/-0.109 χ^2/NDF: 13503074.5/51

All: 812.218+/-0.076 χ^2/NDF: 28461484.9/10

- sign 809.069+/-0.108 χ^2/NDF: 14956693.6/53

eigen_cor_asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -699.661+/-443.048 χ^2/NDF: 15.3/27

Left Out: -832.476+/-410.448 χ^2/NDF:25.4/23

Right Out: 167.412+/-430.829 χ^2/NDF: 18.5/30

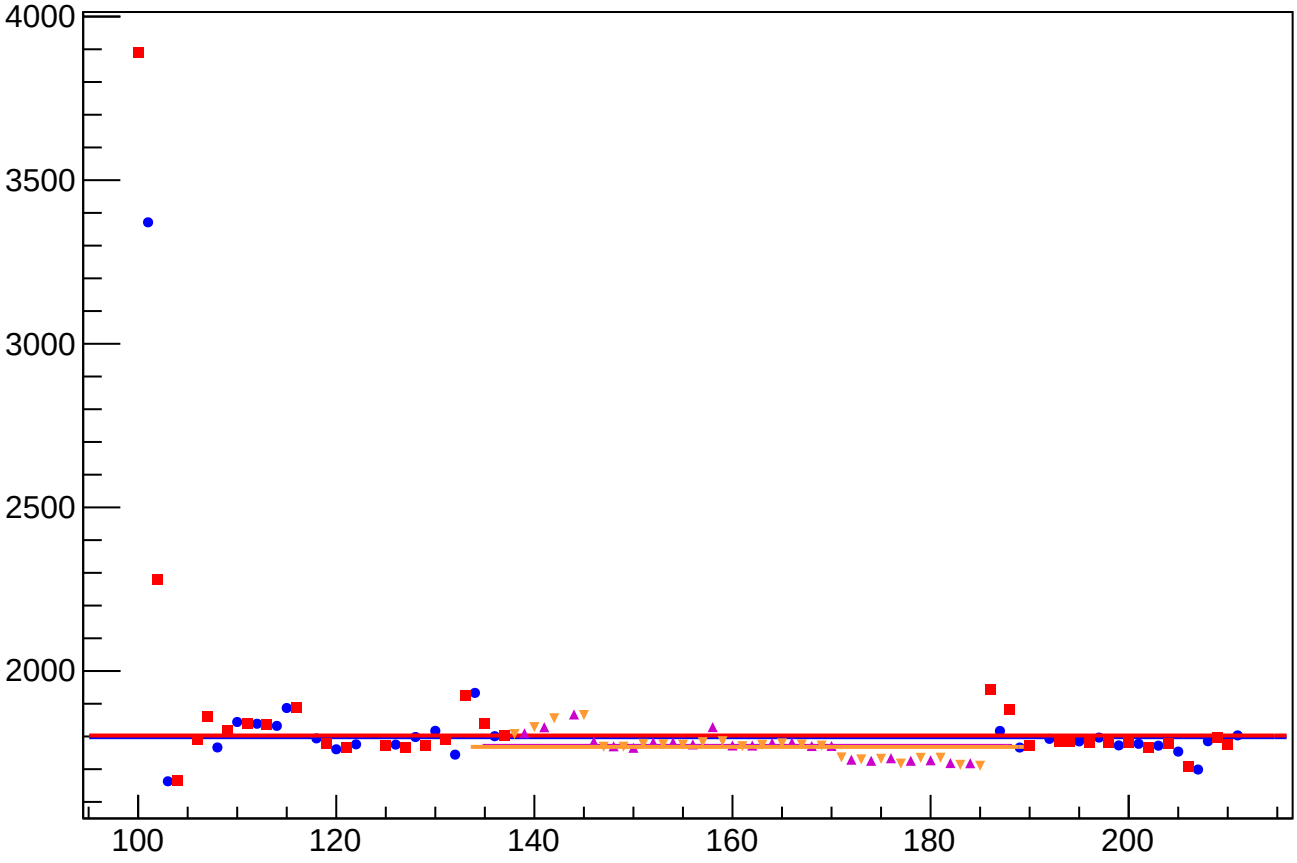
Left In: 459.554+/-413.637 χ^2/NDF:27.3/22

+ sign -771.134+/-301.097 χ^2/NDF: 40.8/51

All: -220.908+/-211.940 χ^2/NDF: 93.4/105

- sign 319.428+/-298.378 χ^2/NDF: 46.0/53

eigen_cor_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1797.818+/-0.313 χ^2/NDF: 309235.6/27

Left Out: 1768.125+/-0.290 χ^2/NDF:16358.2/23

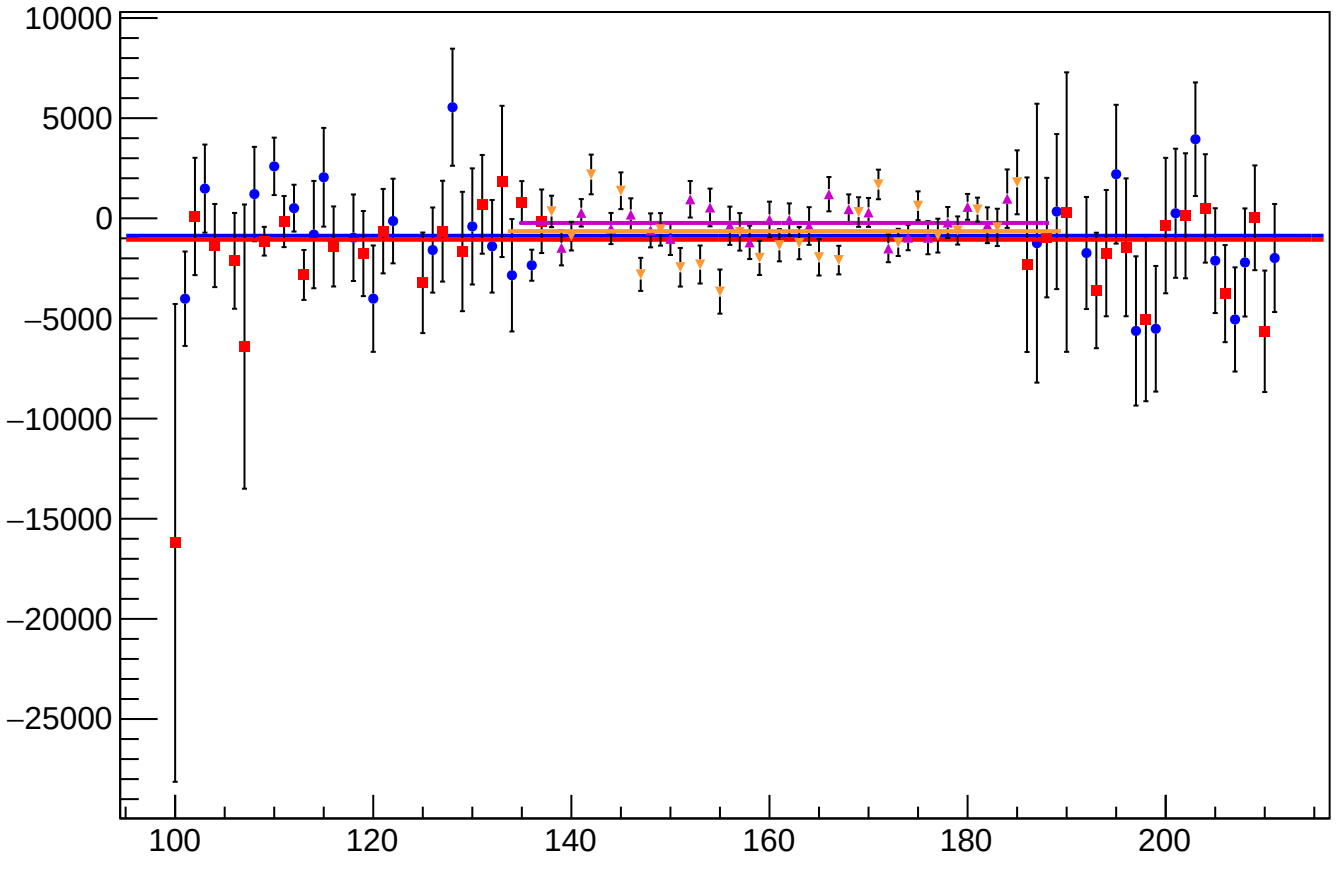
Right Out: 1802.905+/-0.305 χ^2/NDF: 121869.9/30

Left In: 1771.217+/-0.292 χ^2/NDF:16425.7/22

+ sign 1781.839+/-0.213 χ^2/NDF: 330427.8/51

All: 1784.149+/-0.150 χ^2/NDF: 474586.5/105

- sign 1786.417+/-0.211 χ^2/NDF: 143925.5/53



Right In: -870.796+/-396.275 χ^2/NDF: 34.0/27

Left Out: -641.004+/-166.450 χ^2/NDF:66.7/23

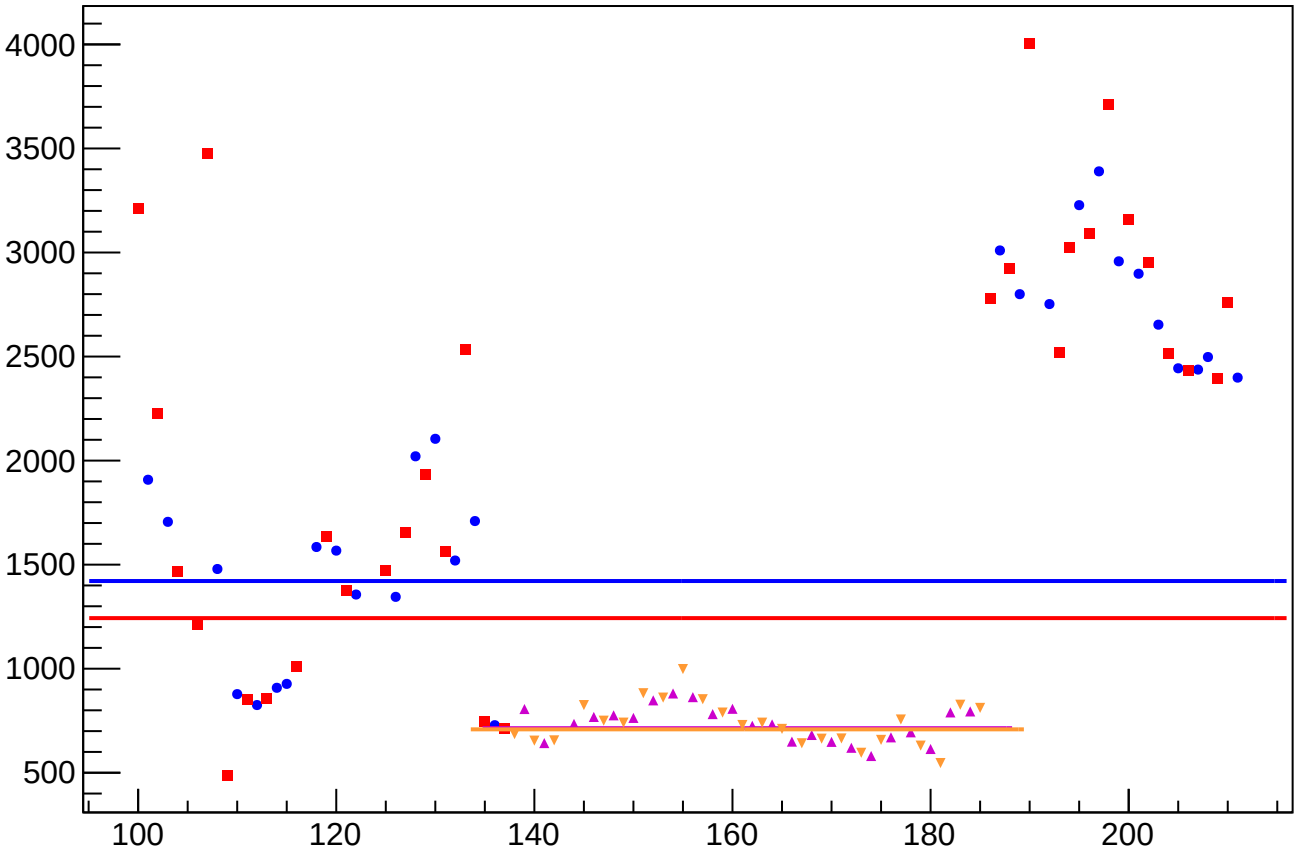
Right Out: -1072.068+/-359.944 χ^2/NDF: 16.8/30

Left In: -230.572+/-168.320 χ^2/NDF:19.9/22

+ sign -675.466+/-153.462 χ^2/NDF: 101.0/51

All: -527.567+/-108.163 χ^2/NDF: 144.0/105

- sign -381.569+/-152.473 χ^2/NDF: 41.2/53



Right In: 1421.304+/-0.280 χ^2/NDF: 7302160.0/27

Left Out: 708.508+/-0.118 χ^2/NDF:700448.7/23

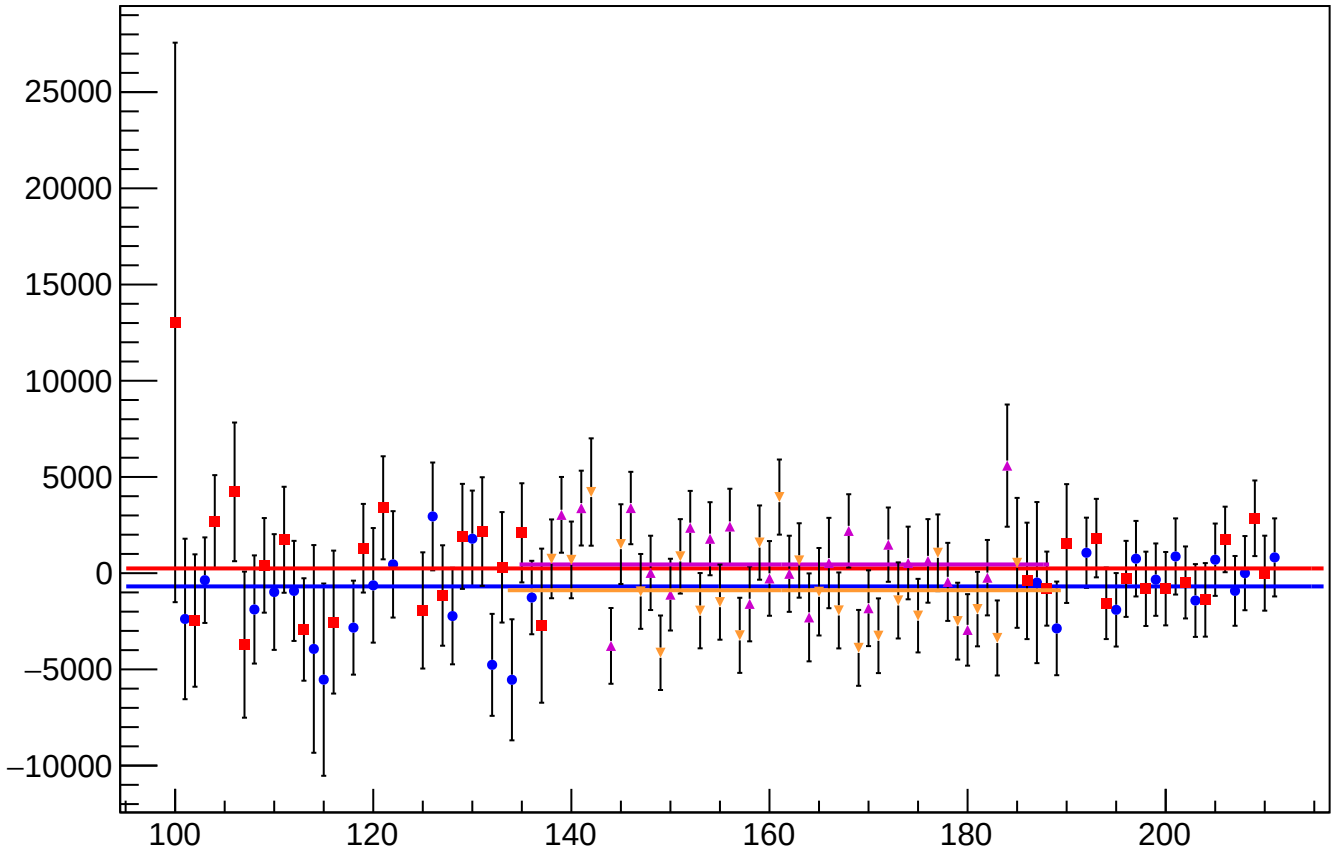
Right Out: 1243.048+/-0.255 χ^2/NDF: 10916322.2/30

Left In: 714.168+/-0.119 χ^2/NDF:497252.3/22

+ sign 815.407+/-0.109 χ^2/NDF: 13503074.5/51

All: 812.218+/-0.076 χ^2/NDF: 28461484.9/10

- sign 809.069+/-0.108 χ^2/NDF: 14956693.6/53



Right In: -687.900+/-444.059 χ^2/NDF: 15.2/27

Left Out: -886.354+/-413.227 χ^2/NDF:28.1/23

Right Out: 246.320+/-432.961 χ^2/NDF: 17.5/30

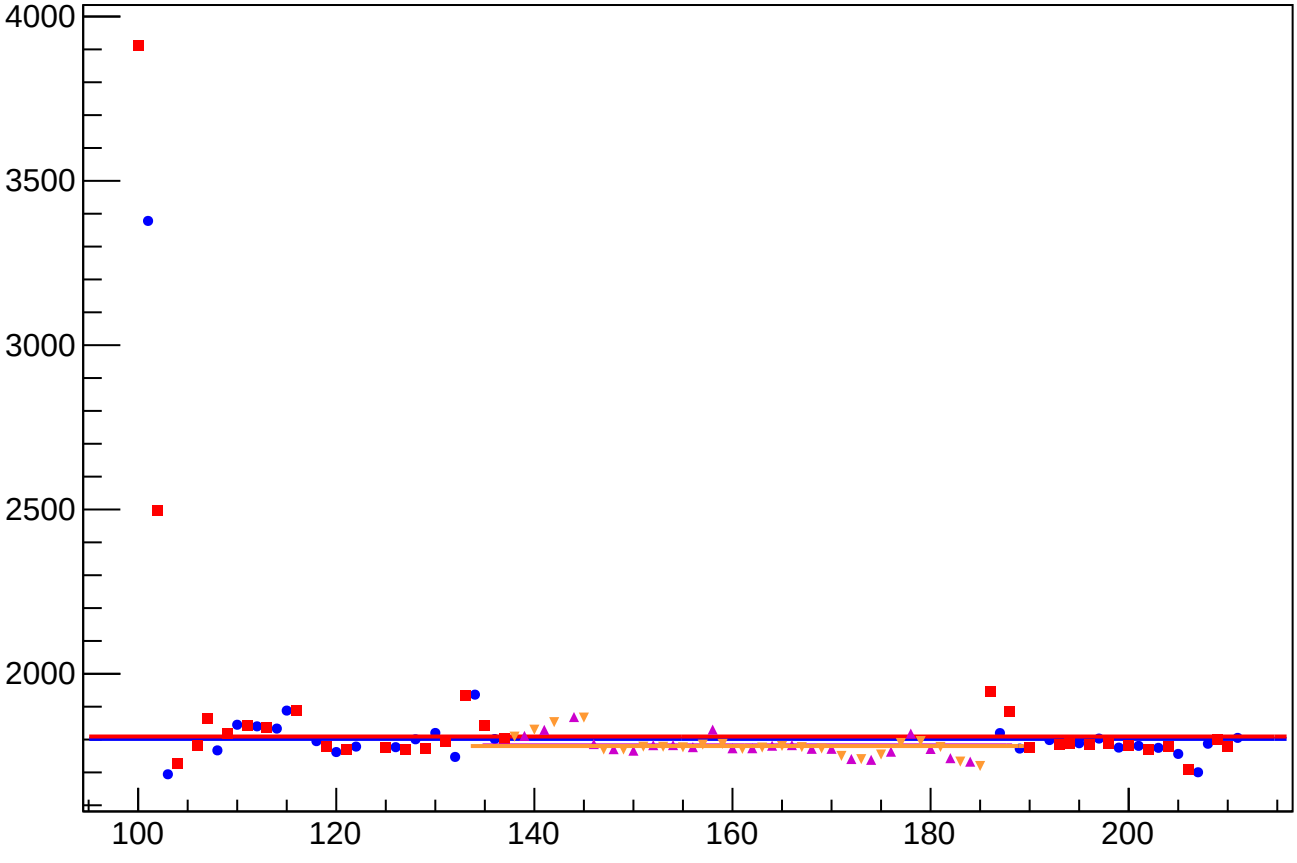
Left In: 453.237+/-416.200 χ^2/NDF:25.8/22

+ sign -794.255+/-302.509 χ^2/NDF: 43.5/51

All: -215.509+/-213.031 χ^2/NDF: 94.1/105

- sign 353.861+/-300.049 χ^2/NDF: 43.4/53

dit_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1801.950+/-0.314 χ^2/NDF: 306520.0/27

Left Out: 1780.220+/-0.292 χ^2/NDF:10380.2/23

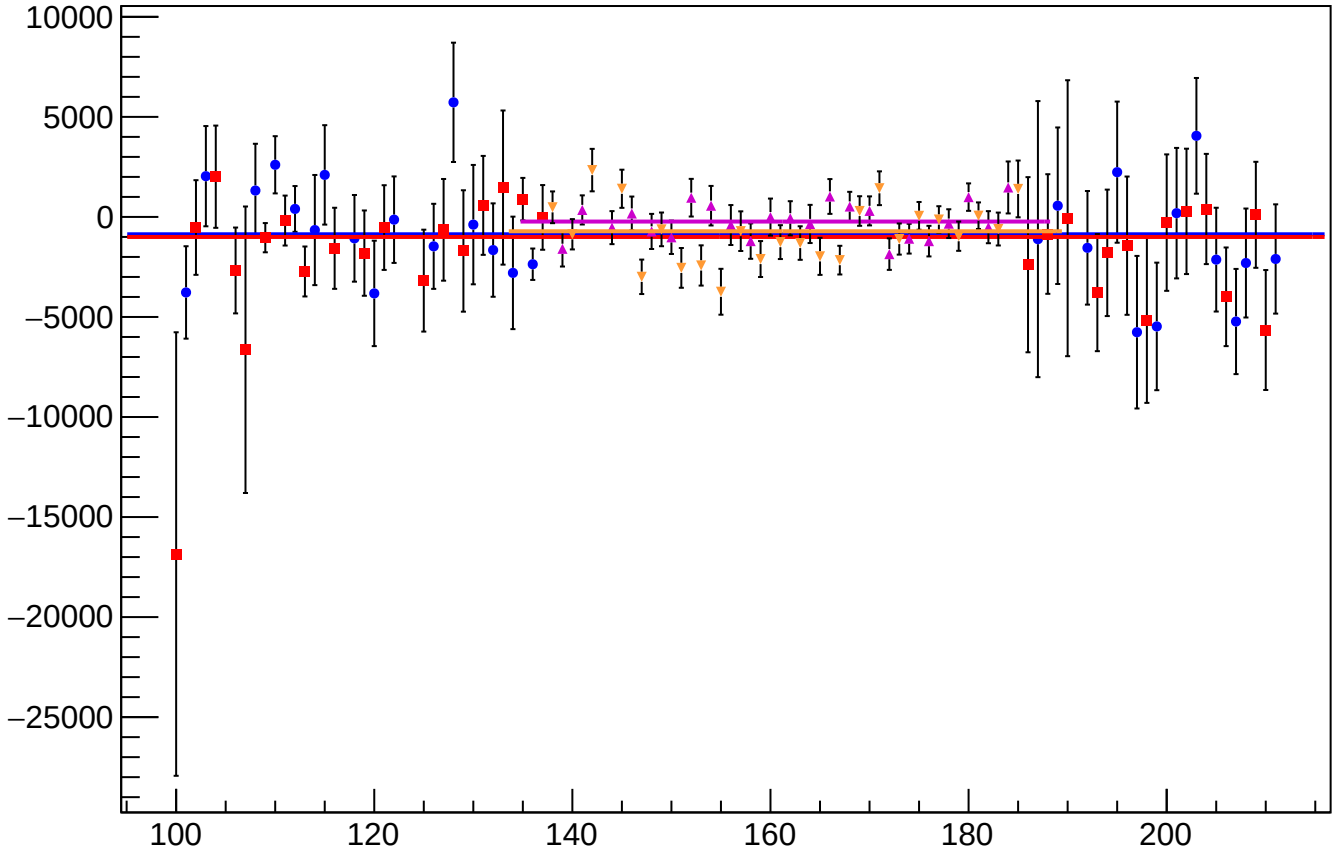
Right Out: 1809.241+/-0.306 χ^2/NDF: 149666.0/30

Left In: 1782.298+/-0.294 χ^2/NDF:11232.1/22

+ sign 1790.305+/-0.214 χ^2/NDF: 319466.6/51

All: 1792.791+/-0.151 χ^2/NDF: 484658.0/105

- sign 1795.238+/-0.212 χ^2/NDF: 164923.3/53



Right In: -867.590+/-399.571 χ^2/NDF: 34.1/27

Left Out: -716.600+/-170.602 χ^2/NDF:59.4/23

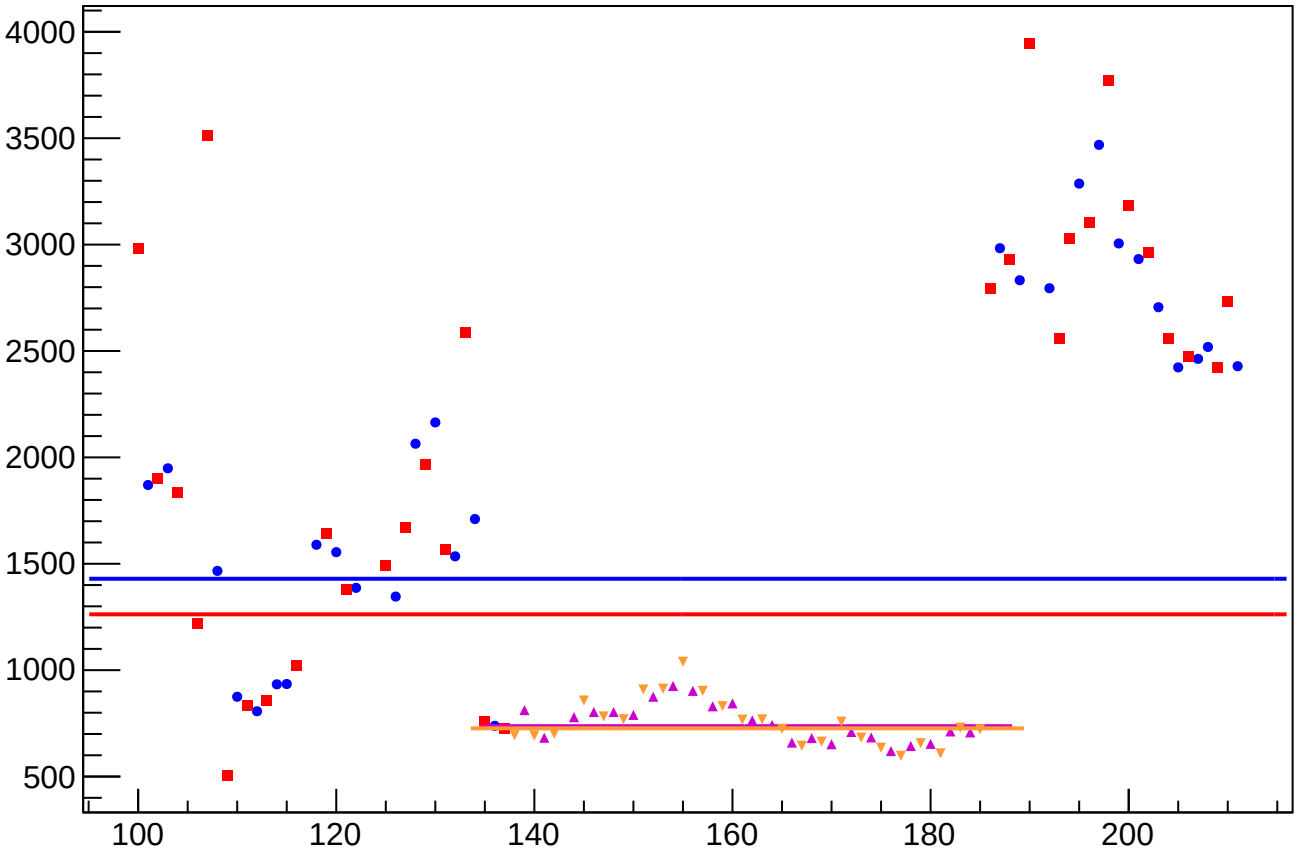
Right Out: -1001.072+/-362.228 χ^2/NDF: 19.1/30

Left In: -231.320+/-173.436 χ^2/NDF:24.1/22

+ sign -739.881+/-156.900 χ^2/NDF: 93.6/51

All: -556.831+/-110.778 χ^2/NDF: 143.2/105

- sign -374.877+/-156.429 χ^2/NDF: 46.9/53



Right In: 1429.574+/-0.283 χ^2/NDF: 7446139.4/27

Left Out: 726.604+/-0.121 χ^2/NDF:684784.1/23

Right Out: 1262.431+/-0.256 χ^2/NDF: 10810722.0/30

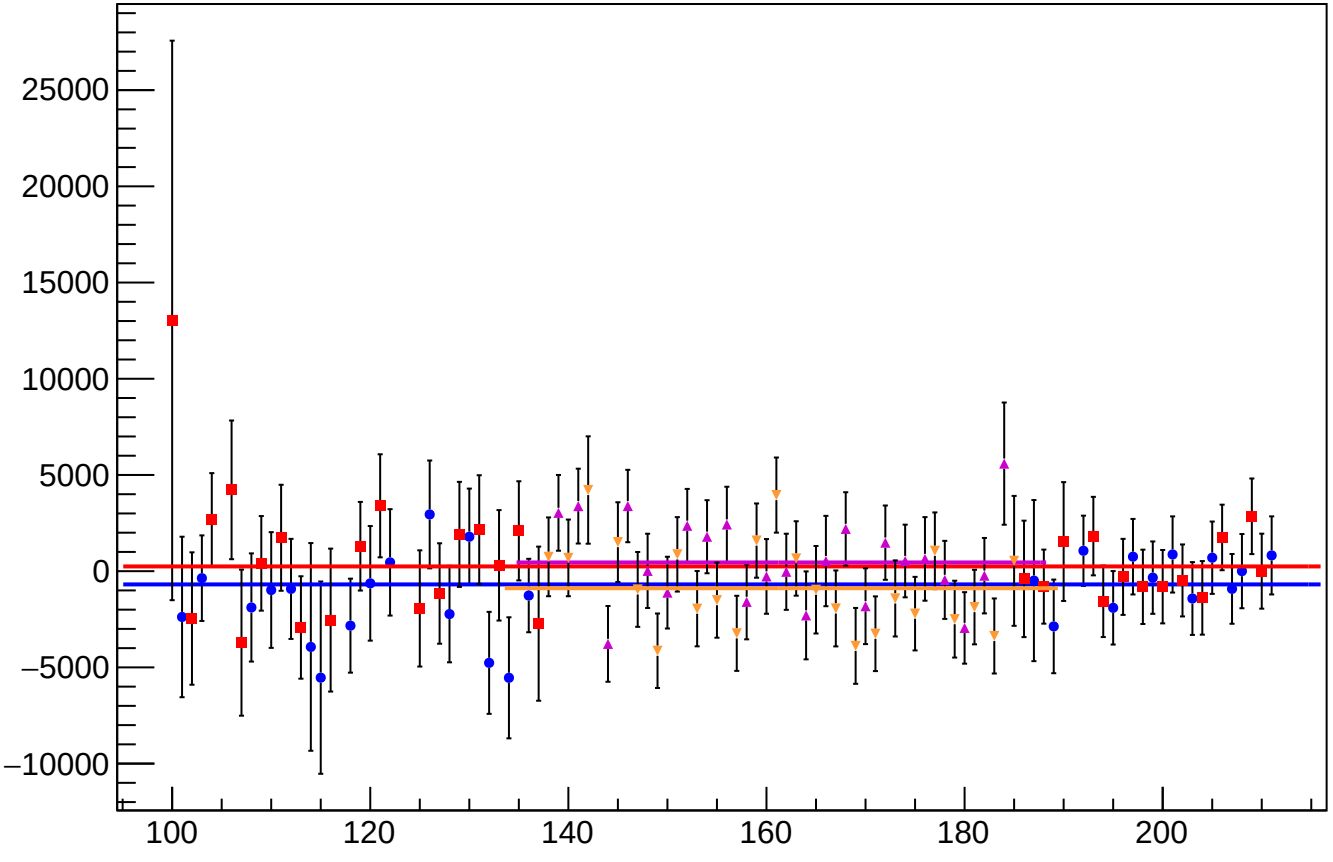
Left In: 736.709+/-0.123 χ^2/NDF:465041.6/22

+ sign 834.995+/-0.111 χ^2/NDF: 13366783.8/51

All: 834.875+/-0.078 χ^2/NDF: 28069736.2/10

- sign 834.755+/-0.111 χ^2/NDF: 14702950.1/53

eigen_dit_asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -687.901+/-444.059 χ^2/NDF: 15.2/27

Left Out: -886.352+/-413.227 χ^2/NDF:28.1/23

Right Out: 246.320+/-432.961 χ^2/NDF: 17.5/30

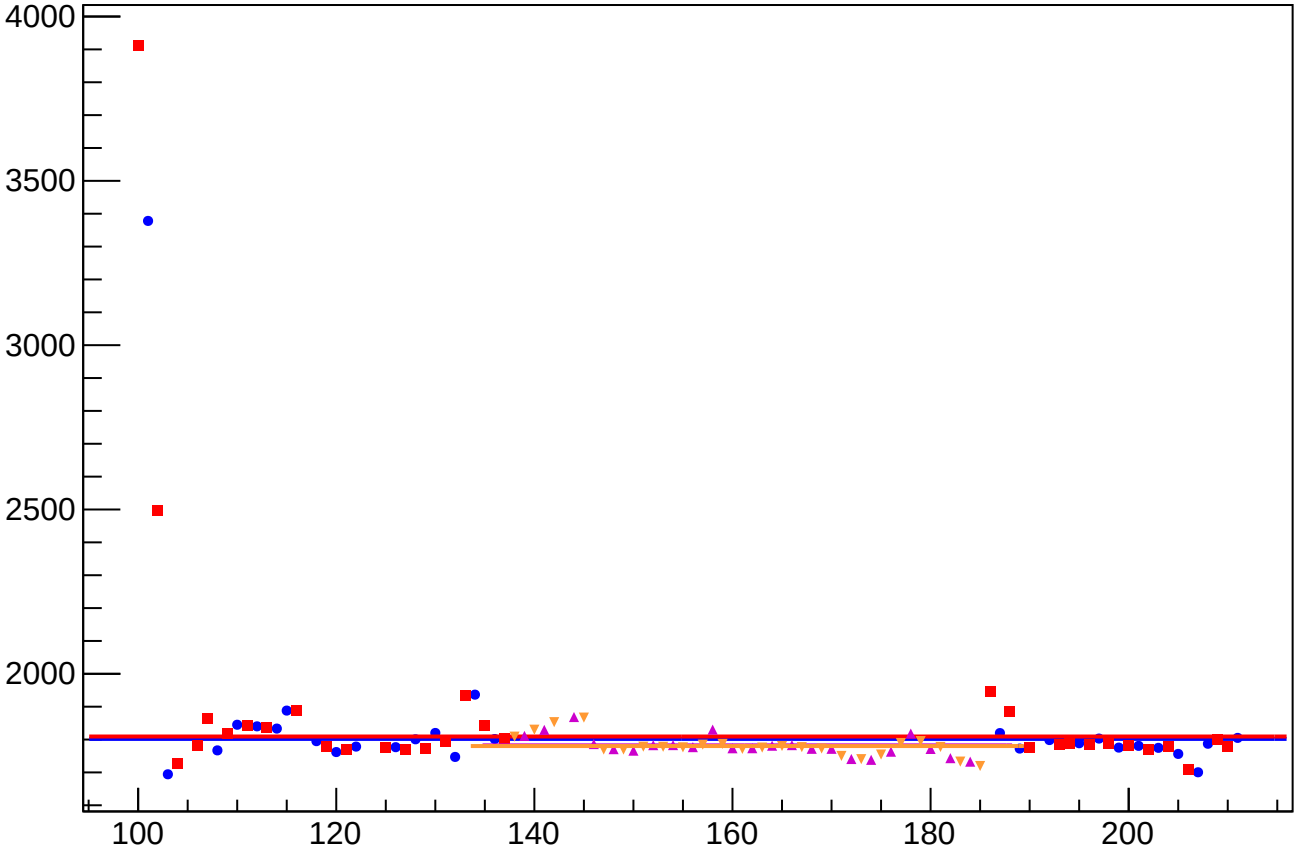
Left In: 453.236+/-416.200 χ^2/NDF:25.8/22

+ sign -794.255+/-302.509 χ^2/NDF: 43.5/51

All: -215.509+/-213.031 χ^2/NDF: 94.1/105

- sign 353.861+/-300.049 χ^2/NDF: 43.4/53

eigen_dit_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1801.950+/-0.314 χ^2/NDF: 306519.9/27

Left Out: 1780.220+/-0.292 χ^2/NDF:10380.2/23

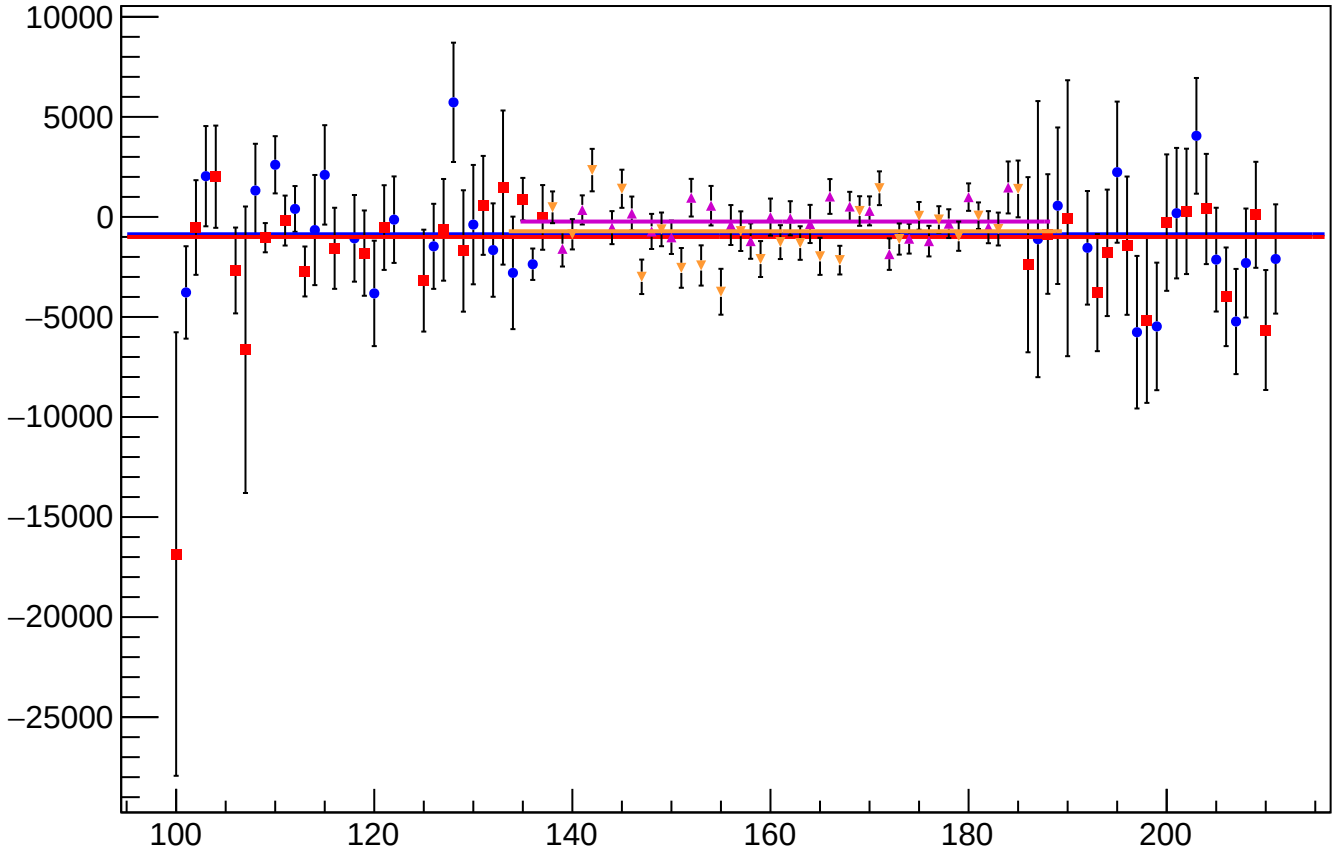
Right Out: 1809.241+/-0.306 χ^2/NDF: 149666.1/30

Left In: 1782.298+/-0.294 χ^2/NDF:11232.1/22

+ sign 1790.305+/-0.214 χ^2/NDF: 319466.7/51

All: 1792.791+/-0.151 χ^2/NDF: 484658.2/105

- sign 1795.238+/-0.212 χ^2/NDF: 164923.4/53



Right In: -867.579+/-399.571 χ^2/NDF: 34.1/27

Left Out: -716.601+/-170.602 χ^2/NDF:59.4/23

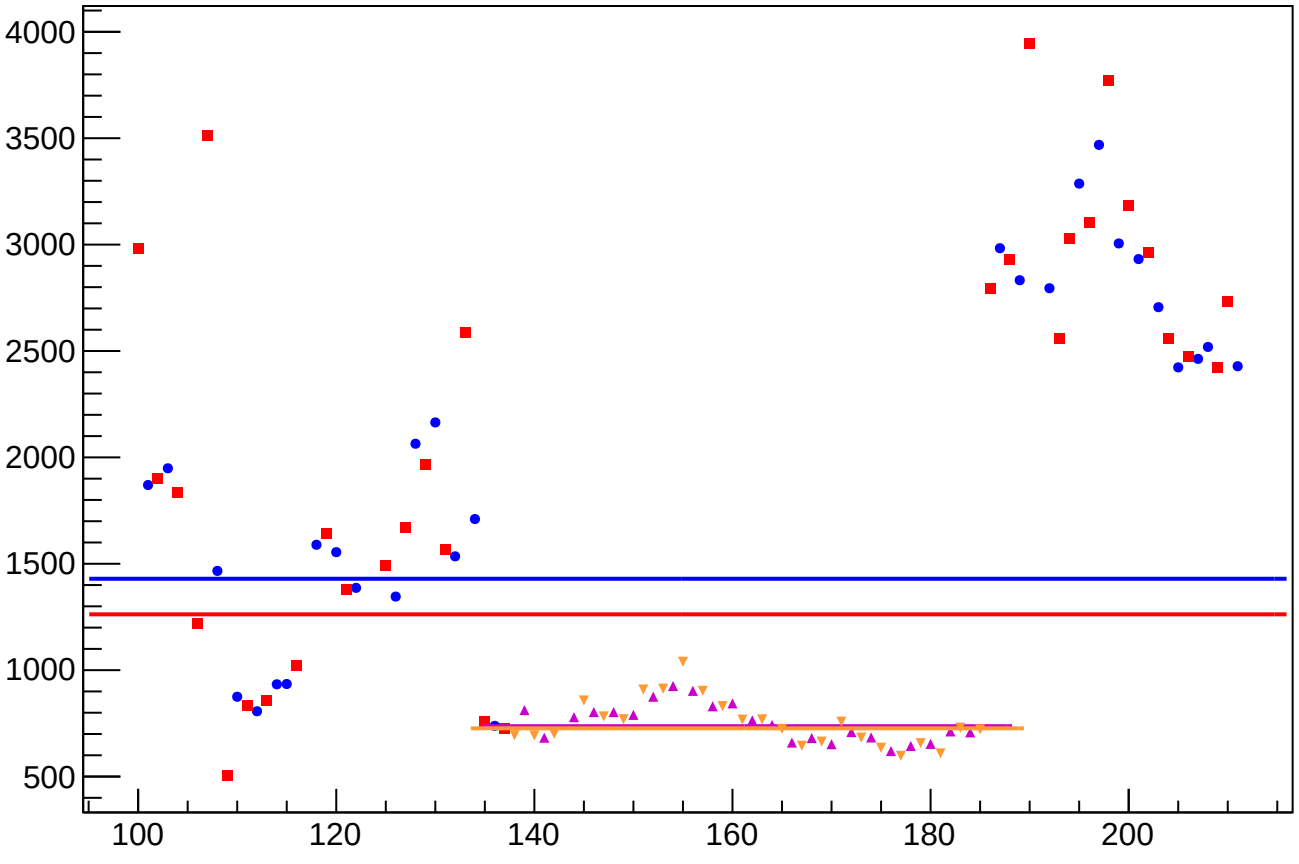
Right Out: -1001.078+/-362.228 χ^2/NDF: 19.1/30

Left In: -231.318+/-173.435 χ^2/NDF:24.1/22

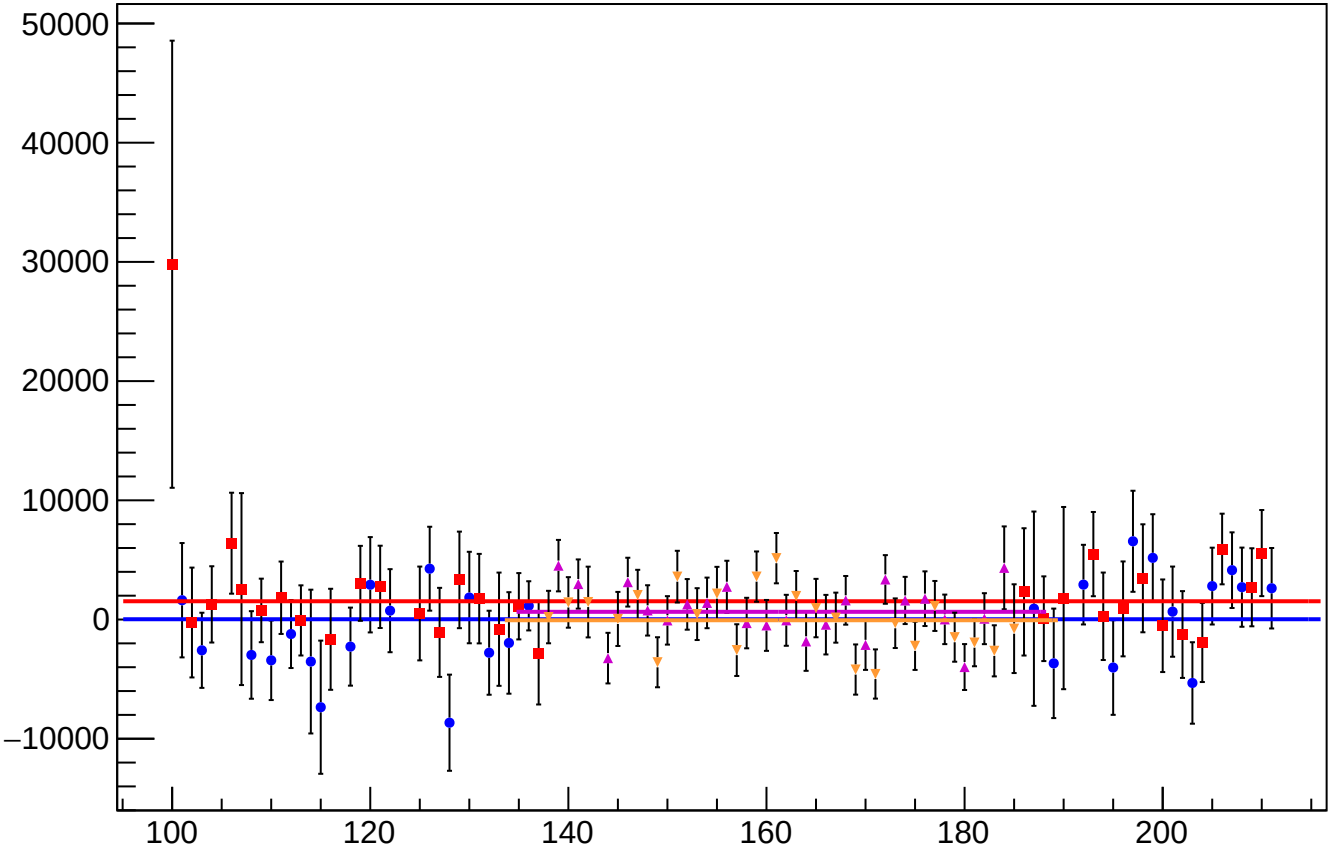
+ sign -739.880+/-156.900 χ^2/NDF: 93.6/51

All: -556.830+/-110.778 χ^2/NDF: 143.2/105

- sign -374.876+/-156.429 χ^2/NDF: 46.9/53


asym_us_dd_atlr_dd_avg_eigen_dit_correction_rms vs Slug
4000
3500
3000
2500
2000
1500
1000
500
100
120
140
160
180
200
Right In: 1429.577+/-0.283 χ²/NDF: 7446087.5/27
Left Out: 726.605+/-0.121 χ²/NDF:684780.2/23
Right Out: 1262.434+/-0.256 χ²/NDF: 10810682.2/30
Left In: 736.709+/-0.123 χ²/NDF:465053.4/22
+ sign 834.996+/-0.111 χ²/NDF: 13366757.8/51
All: 834.875+/-0.078 χ²/NDF: 28069717.6/10
- sign 834.755+/-0.111 χ²/NDF: 14702957.4/53

asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: 23.986+/-676.496 χ^2/NDF: 26.3/27

Left Out: -59.589+/-445.601 χ^2/NDF:33.0/23

Right Out: 1532.988+/-669.050 χ^2/NDF: 14.4/30

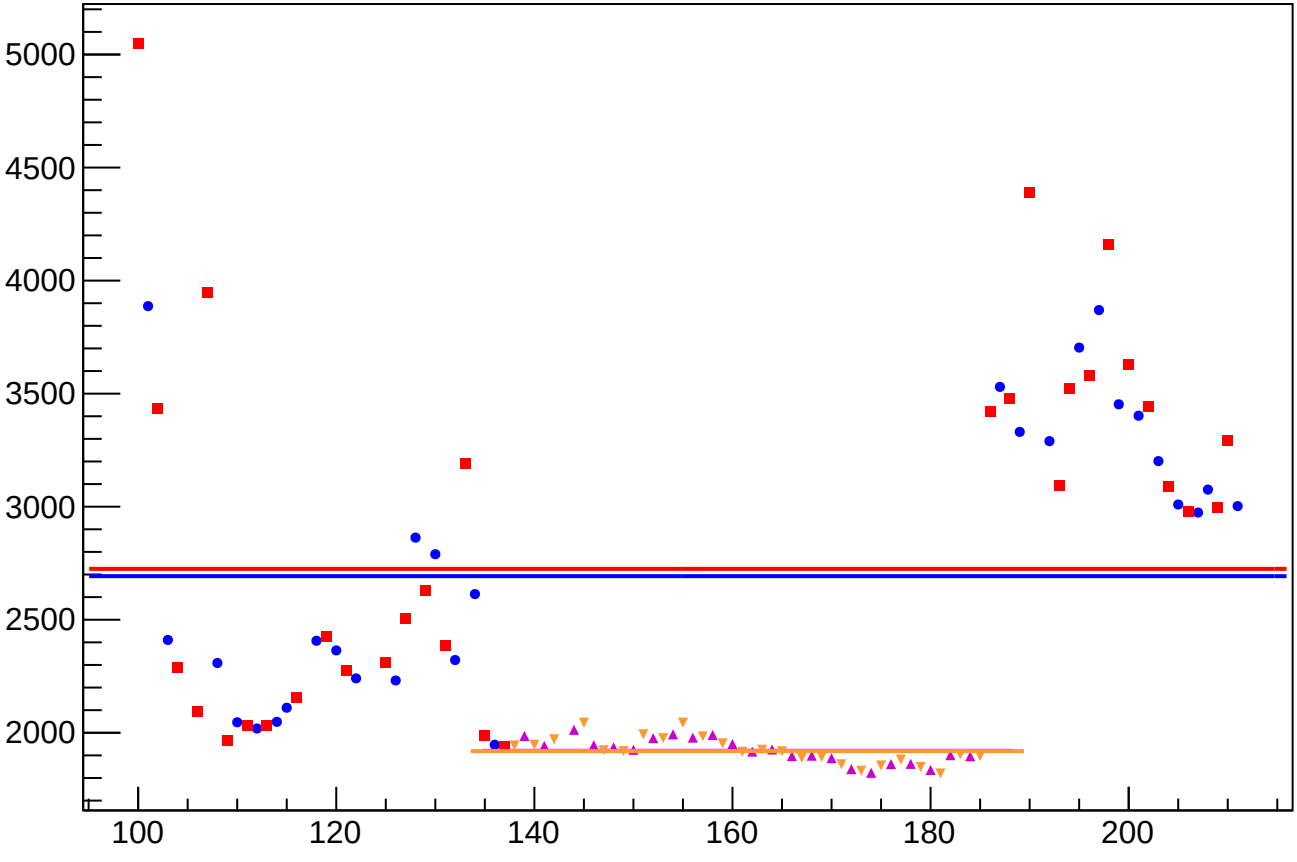
Left In: 646.910+/-448.538 χ^2/NDF:23.7/22

+ sign -34.300+/-372.127 χ^2/NDF: 59.3/51

All: 443.126+/-263.287 χ^2/NDF: 101.9/105

- sign 921.668+/-372.561 χ^2/NDF: 39.3/53

asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 2692.756+/-0.478 χ^2/NDF: 1466152.4/27

Left Out: 1918.975+/-0.315 χ^2/NDF:35574.5/23

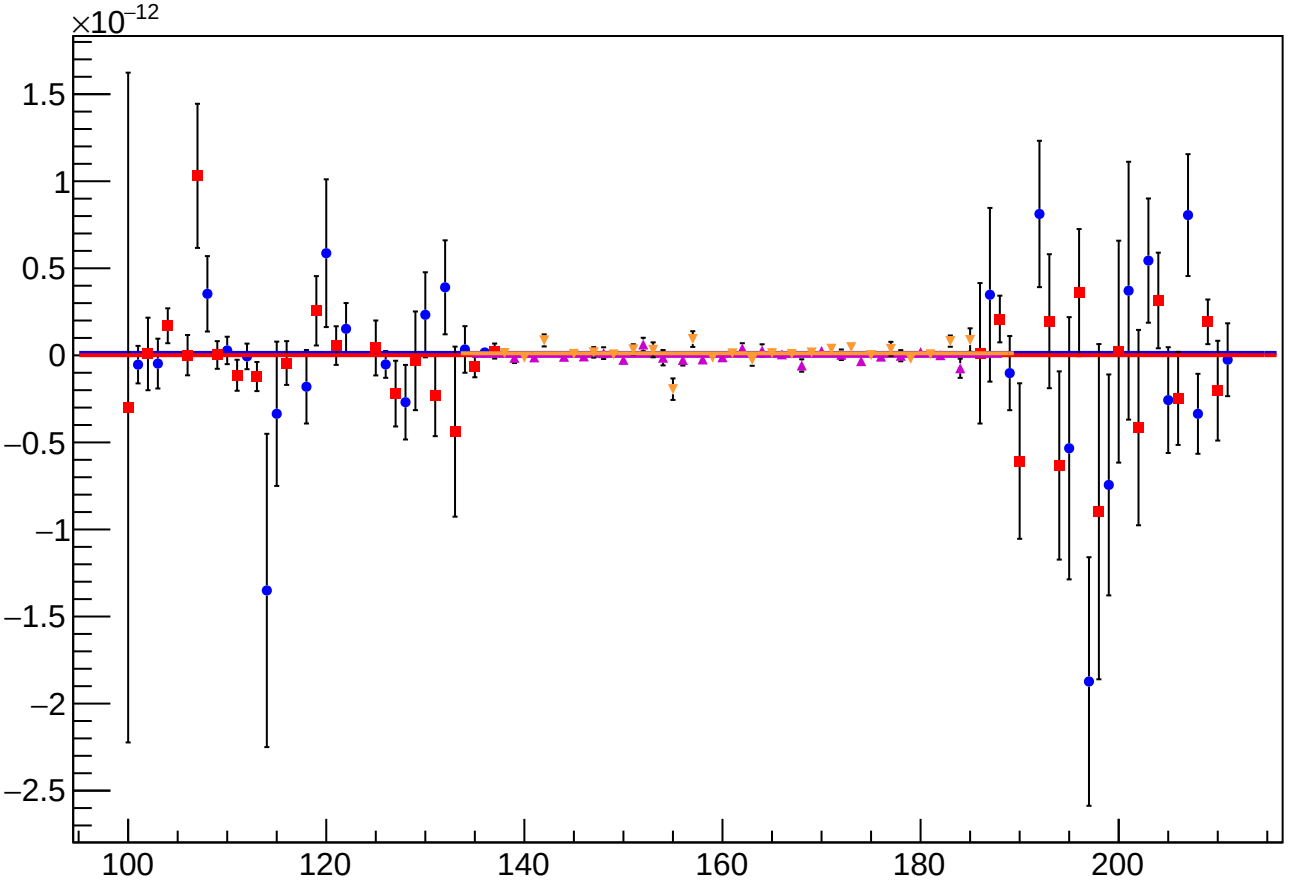
Right Out: 2725.066+/-0.473 χ^2/NDF: 1861194.7/30

Left In: 1920.214+/-0.317 χ^2/NDF:29912.0/22

\+ sign 2153.113+/-0.263 χ^2/NDF: 3326571.0/51

All: 2161.440+/-0.186 χ^2/NDF: 7216529.7/10

\- sign 2169.788+/-0.263 χ^2/NDF: 3887953.2/53



Right In: 0.000+/-0.000 χ^2/NDF: 39.0/27

Left Out: 0.000+/-0.000 χ^2/NDF:38.1/23

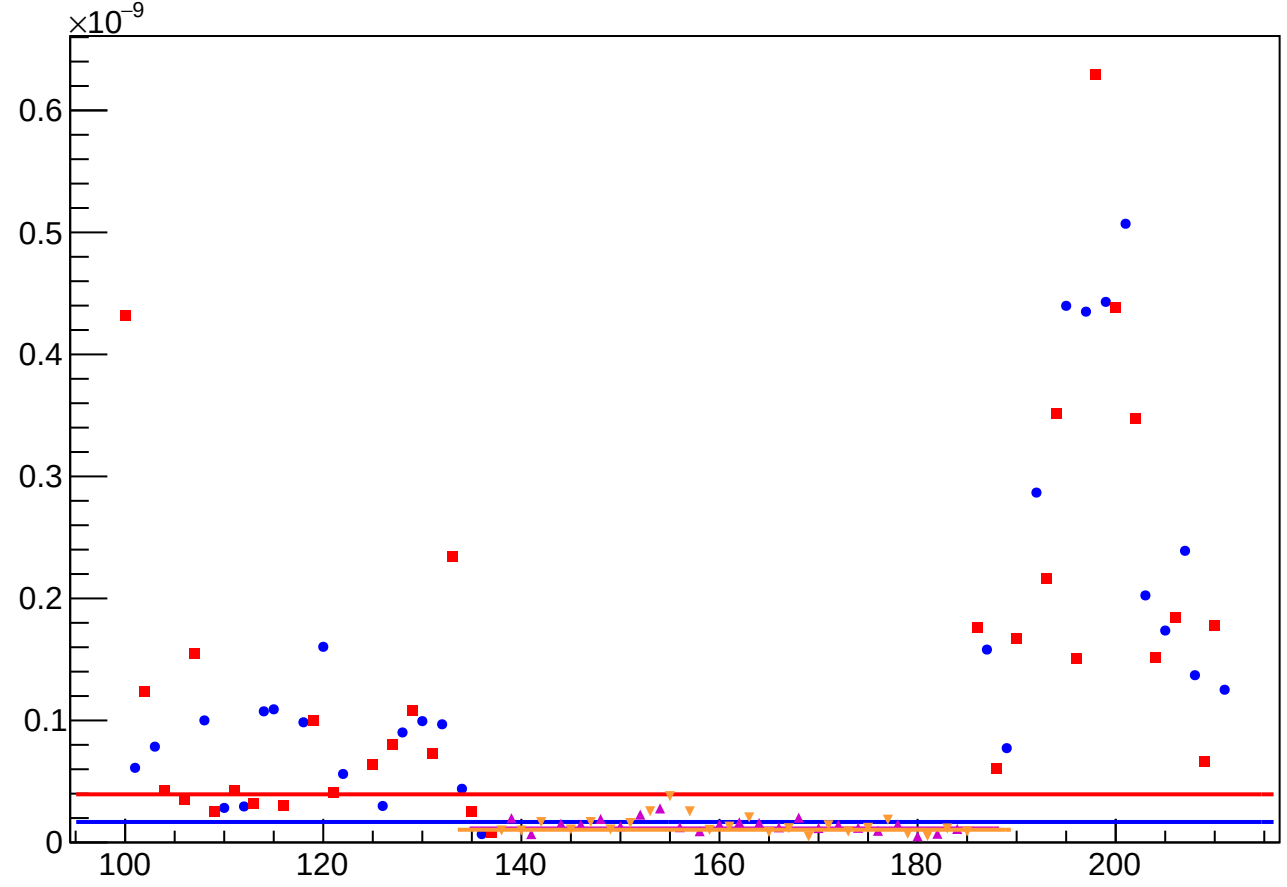
Right Out: 0.000+/-0.000 χ^2/NDF: 32.9/30

Left In: -0.000+/-0.000 χ^2/NDF:19.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 77.1/51

All: 0.000+/-0.000 χ^2/NDF: 134.6/105

- sign -0.000+/-0.000 χ^2/NDF: 52.5/53



Right In: 0.000+/-0.000 χ^2/NDF: 10736101.1/27

Left Out: 0.000+/-0.000 χ^2/NDF:2075235.5/23

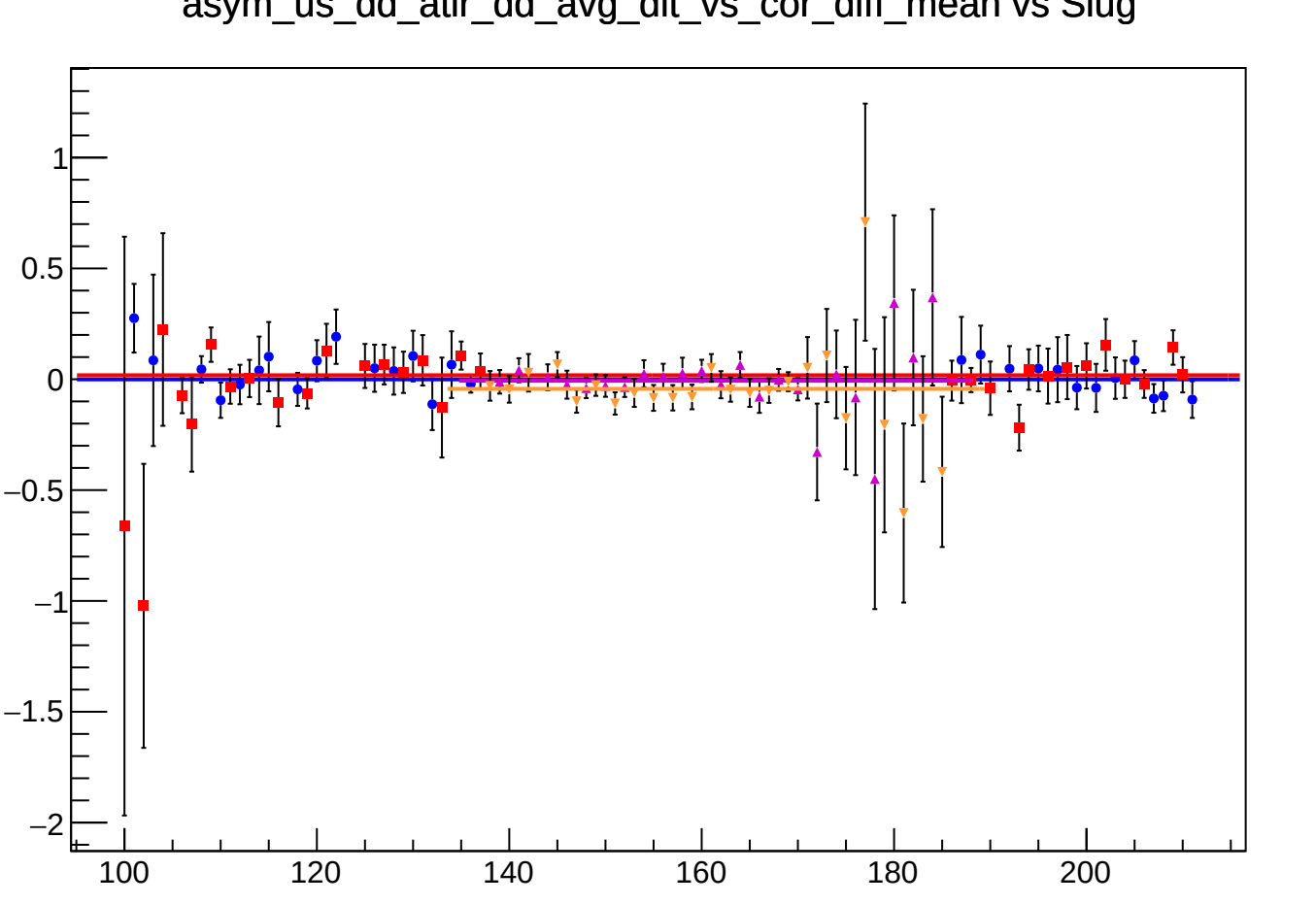
Right Out: 0.000+/-0.000 χ^2/NDF: 7956340.9/30

Left In: 0.000+/-0.000 χ^2/NDF:1894438.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 13191242.2/51

All: 0.000+/-0.000 χ^2/NDF: 26028836.3/105

- sign 0.000+/-0.000 χ^2/NDF: 12709140.9/53



Right In: -0.001+/-0.017 χ^2/NDF: 18.9/27

Left Out: -0.043+/-0.014 χ^2/NDF:18.9/23

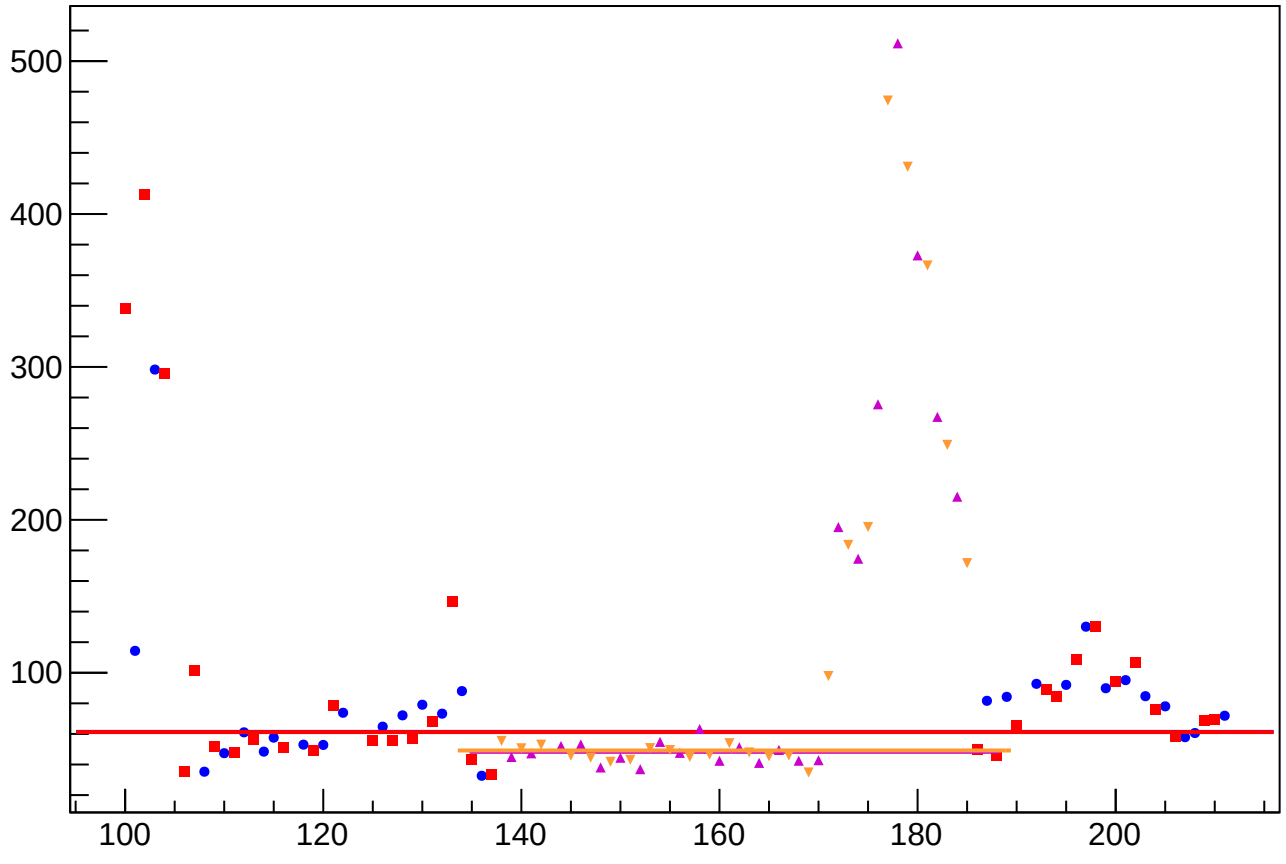
Right Out: 0.018+/-0.017 χ^2/NDF: 26.4/30

Left In: -0.007+/-0.014 χ^2/NDF:11.3/22

+ sign -0.026+/-0.011 χ^2/NDF: 41.5/51

All: -0.011+/-0.008 χ^2/NDF: 84.3/105

- sign 0.003+/-0.010 χ^2/NDF: 39.0/53



Right In: 61.327+/-0.012 χ^2/NDF: 4239216.6/27

Left Out: 49.180+/-0.010 χ^2/NDF:7250092.4/23

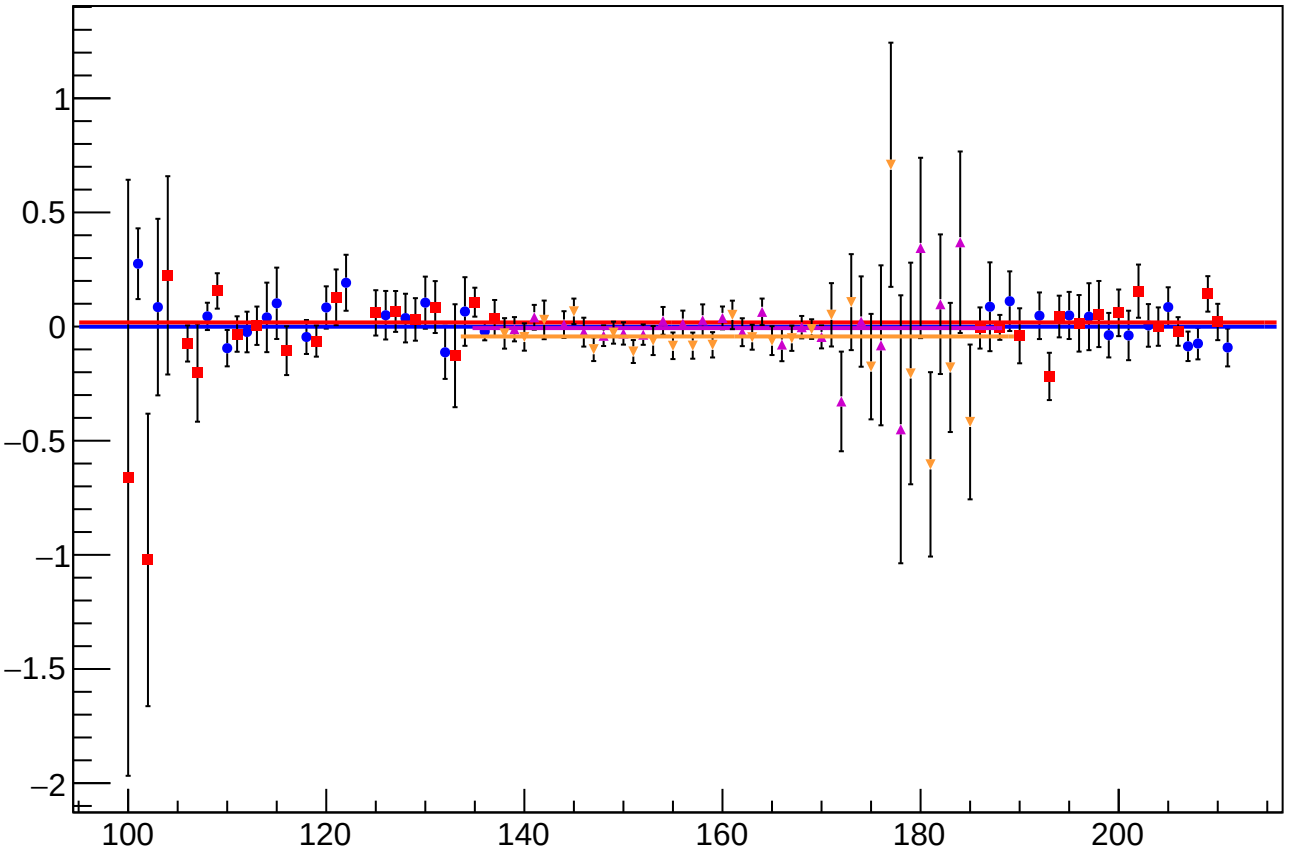
Right Out: 61.216+/-0.012 χ^2/NDF: 4317942.7/30

Left In: 48.307+/-0.010 χ^2/NDF:7040663.5/22

+ sign 54.034+/-0.008 χ^2/NDF: 12099182.0/51

All: 53.731+/-0.005 χ^2/NDF: 24186188.9/105

- sign 53.444+/-0.007 χ^2/NDF: 12083924.8/53



Right In: -0.001+/-0.017 χ^2/NDF: 18.9/27

Left Out: -0.043+/-0.014 χ^2/NDF:18.9/23

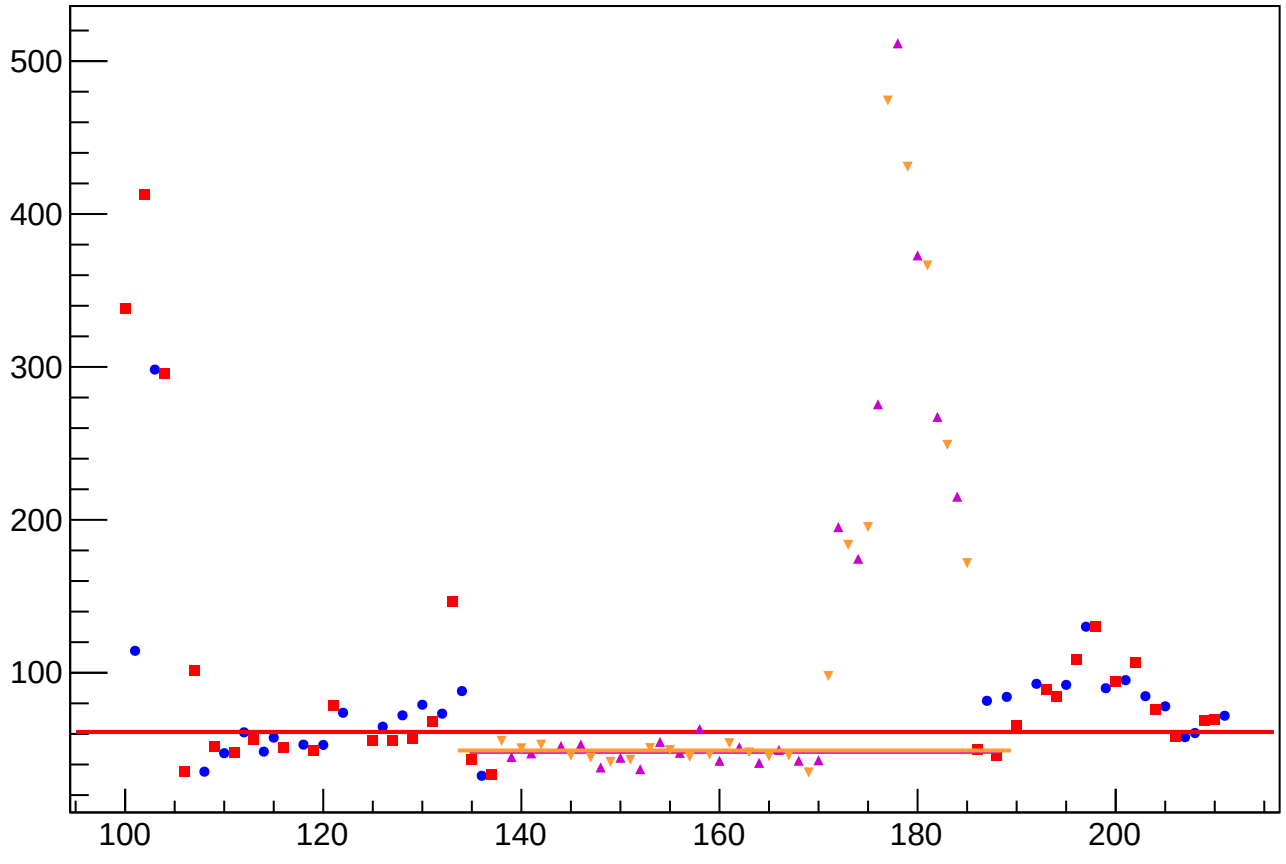
Right Out: 0.018+/-0.017 χ^2/NDF: 26.4/30

Left In: -0.007+/-0.014 χ^2/NDF:11.3/22

+ sign -0.026+/-0.011 χ^2/NDF: 41.5/51

All: -0.011+/-0.008 χ^2/NDF: 84.3/105

- sign 0.003+/-0.010 χ^2/NDF: 39.0/53



Right In: 61.327+/-0.012 χ^2/NDF: 4239216.6/27

Left Out: 49.180+/-0.010 χ^2/NDF:7250092.4/23

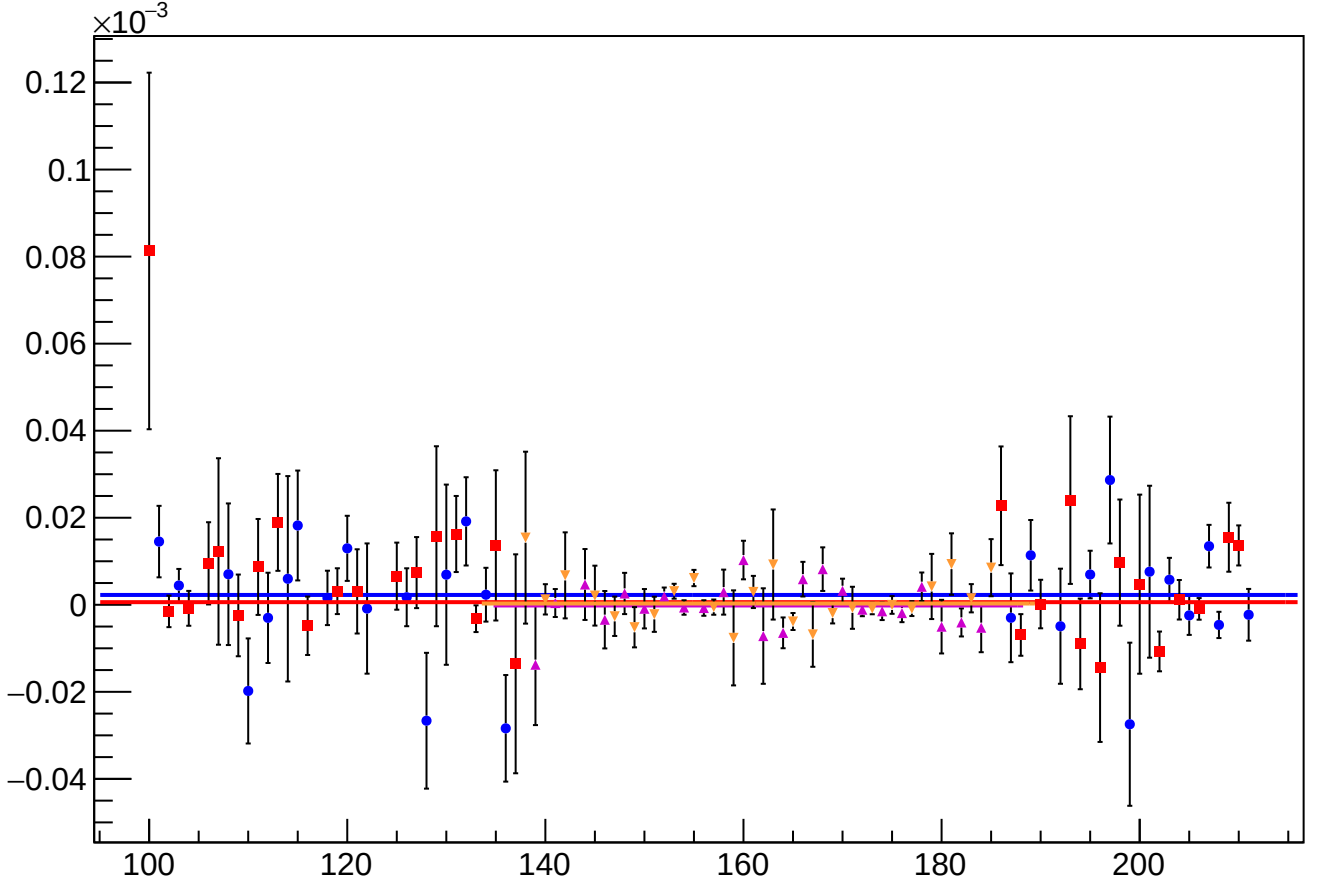
Right Out: 61.216+/-0.012 χ^2/NDF: 4317942.7/30

Left In: 48.307+/-0.010 χ^2/NDF:7040663.5/22

+ sign 54.034+/-0.008 χ^2/NDF: 12099182.0/51

All: 53.731+/-0.005 χ^2/NDF: 24186188.9/105

- sign 53.444+/-0.007 χ^2/NDF: 12083924.8/53



Right In: 0.000+/-0.000 χ^2/NDF: 43.5/27

Left Out: 0.000+/-0.000 χ^2/NDF:28.8/23

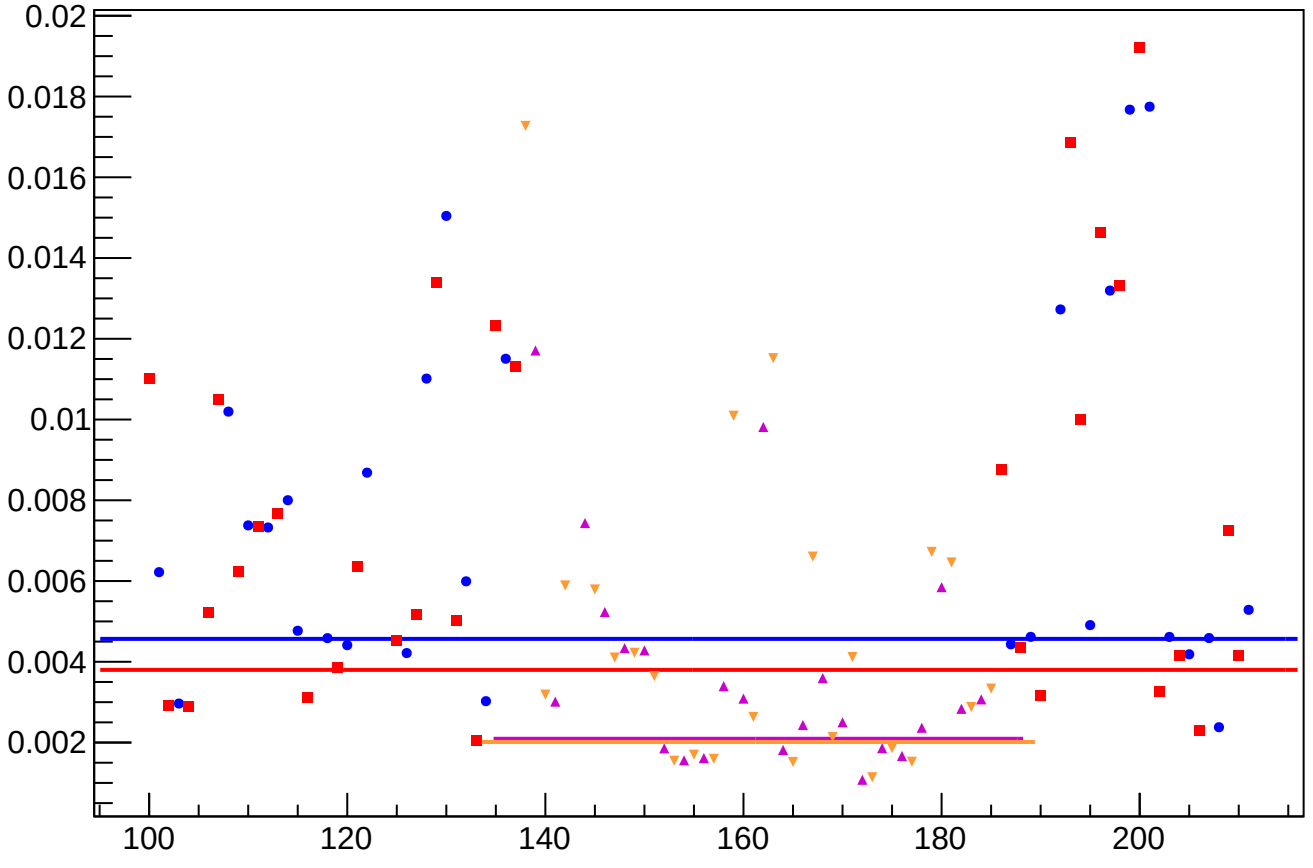
Right Out: 0.000+/-0.000 χ^2/NDF: 44.1/30

Left In: -0.000+/-0.000 χ^2/NDF:25.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 74.2/51

All: 0.000+/-0.000 χ^2/NDF: 144.6/105

- sign 0.000+/-0.000 χ^2/NDF: 69.7/53



Right In: 0.005+/-0.000 χ^2/NDF: 7219577.0/27

Left Out: 0.002+/-0.000 χ^2/NDF:10262318.5/23

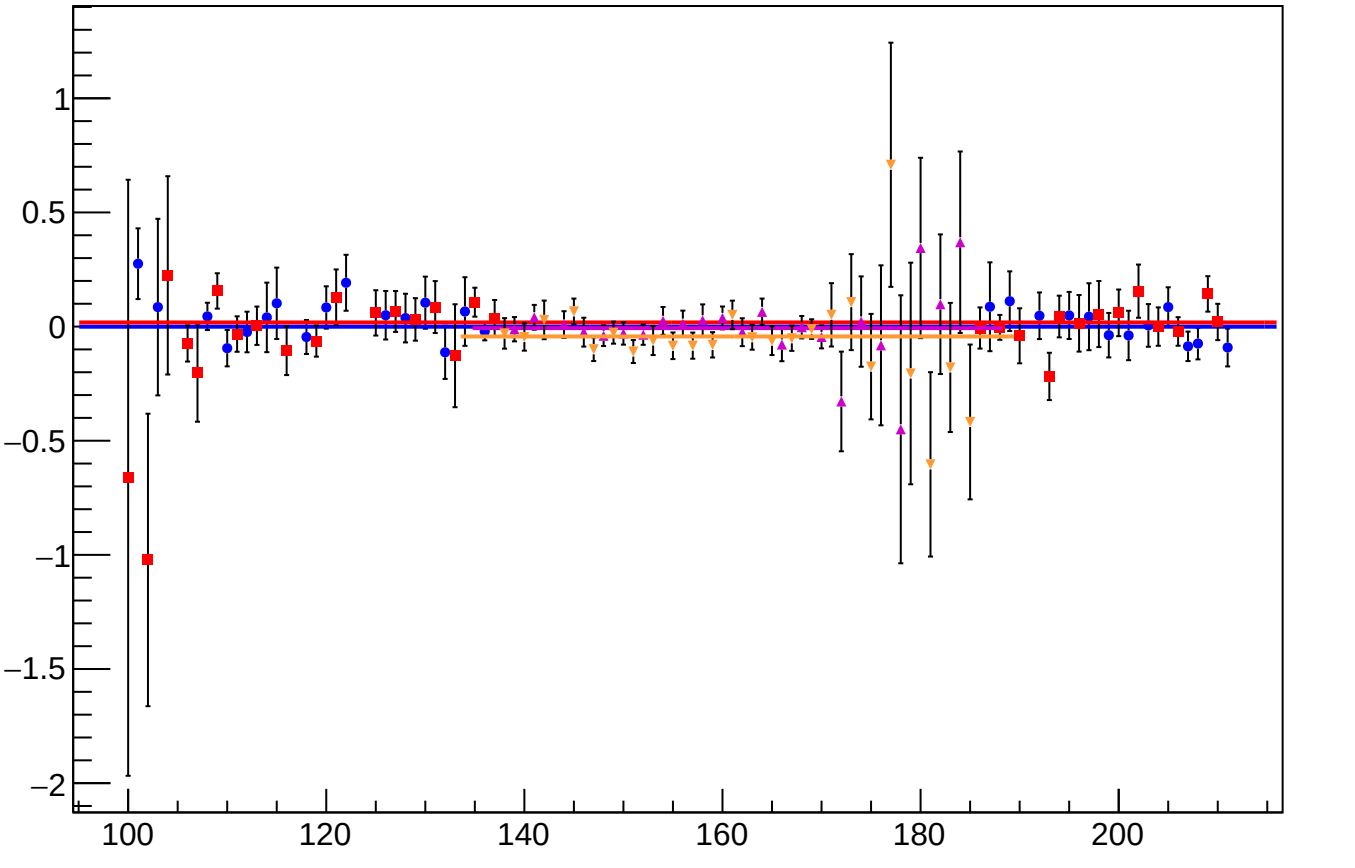
Right Out: 0.004+/-0.000 χ^2/NDF: 9021977.8/30

Left In: 0.002+/-0.000 χ^2/NDF:7141979.6/22

+ sign 0.002+/-0.000 χ^2/NDF: 23807318.1/51

All: 0.002+/-0.000 χ^2/NDF: 43708987.7/105

- sign 0.002+/-0.000 χ^2/NDF: 19876080.3/53



Right In: -0.001+/-0.017 χ^2/NDF: 18.9/27

Left Out: -0.043+/-0.014 χ^2/NDF:18.9/23

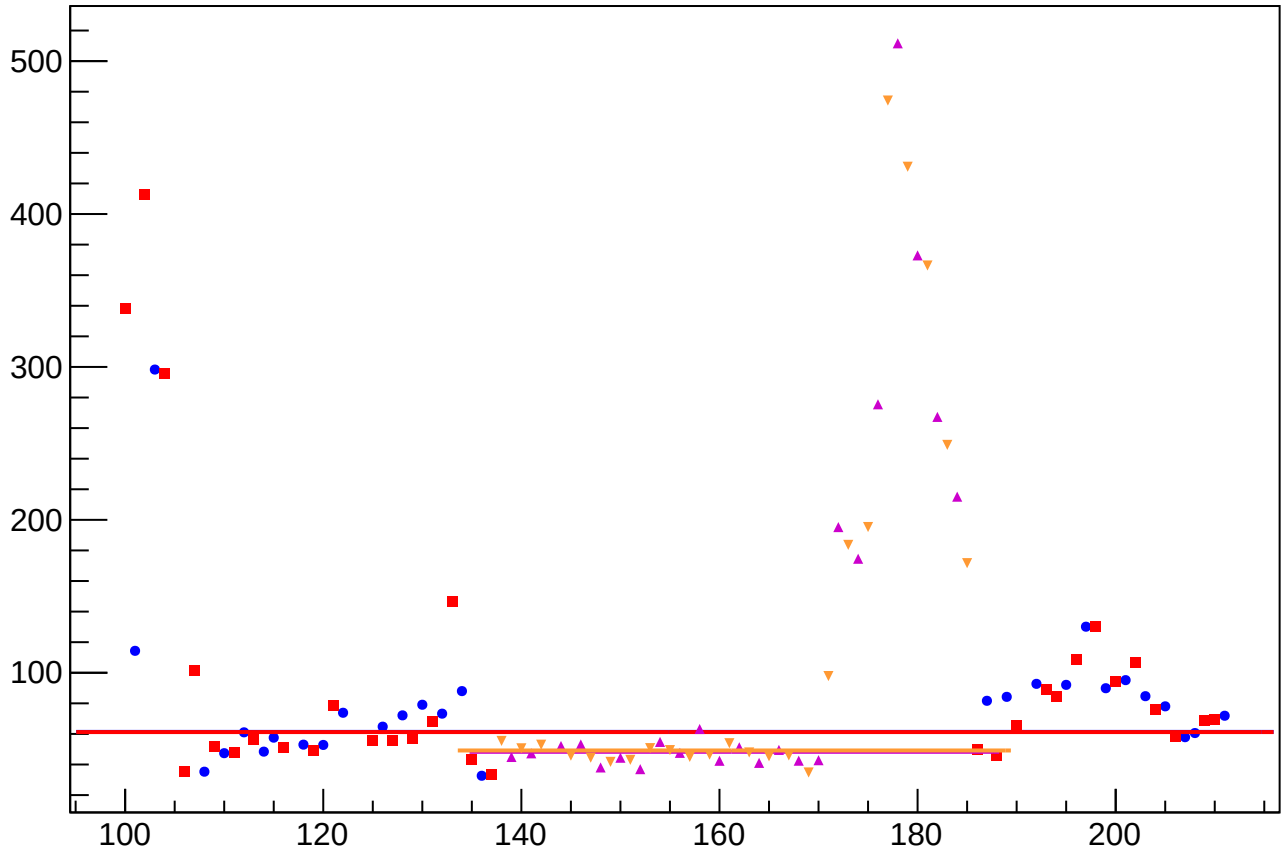
Right Out: 0.018+/-0.017 χ^2/NDF: 26.4/30

Left In: -0.007+/-0.014 χ^2/NDF:11.3/22

+ sign -0.026+/-0.011 χ^2/NDF: 41.5/51

All: -0.011+/-0.008 χ^2/NDF: 84.3/105

- sign 0.003+/-0.010 χ^2/NDF: 39.0/53



Right In: 61.327+/-0.012 χ^2/NDF: 4239065.6/27

Left Out: 49.180+/-0.010 χ^2/NDF:7250102.5/23

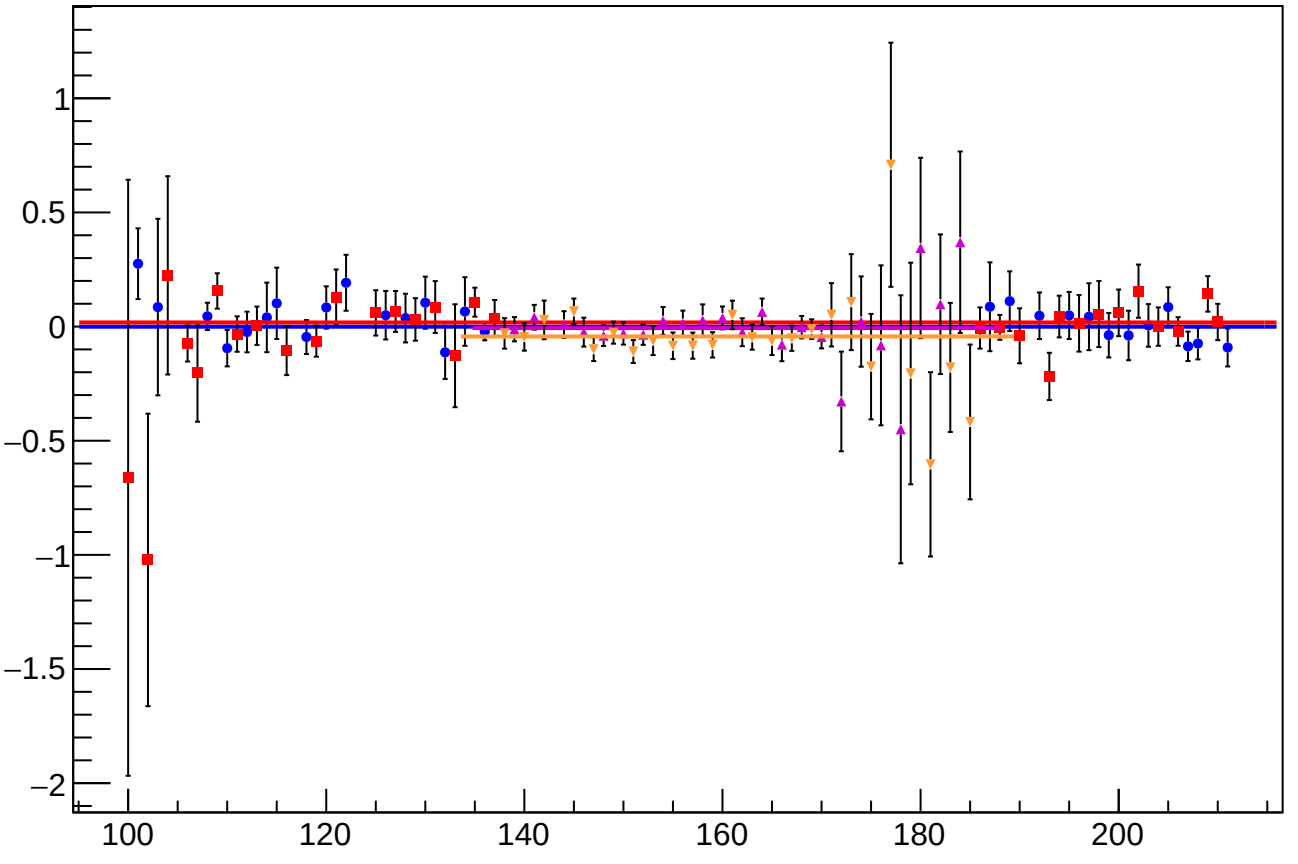
Right Out: 61.216+/-0.012 χ^2/NDF: 4317799.6/30

Left In: 48.307+/-0.010 χ^2/NDF:7040585.4/22

+ sign 54.034+/-0.008 χ^2/NDF: 12099103.4/51

All: 53.731+/-0.005 χ^2/NDF: 24185912.9/105

- sign 53.444+/-0.007 χ^2/NDF: 12083732.8/53



Right In: -0.001+/-0.017 χ^2/NDF: 18.9/27

Left Out: -0.043+/-0.014 χ^2/NDF:18.9/23

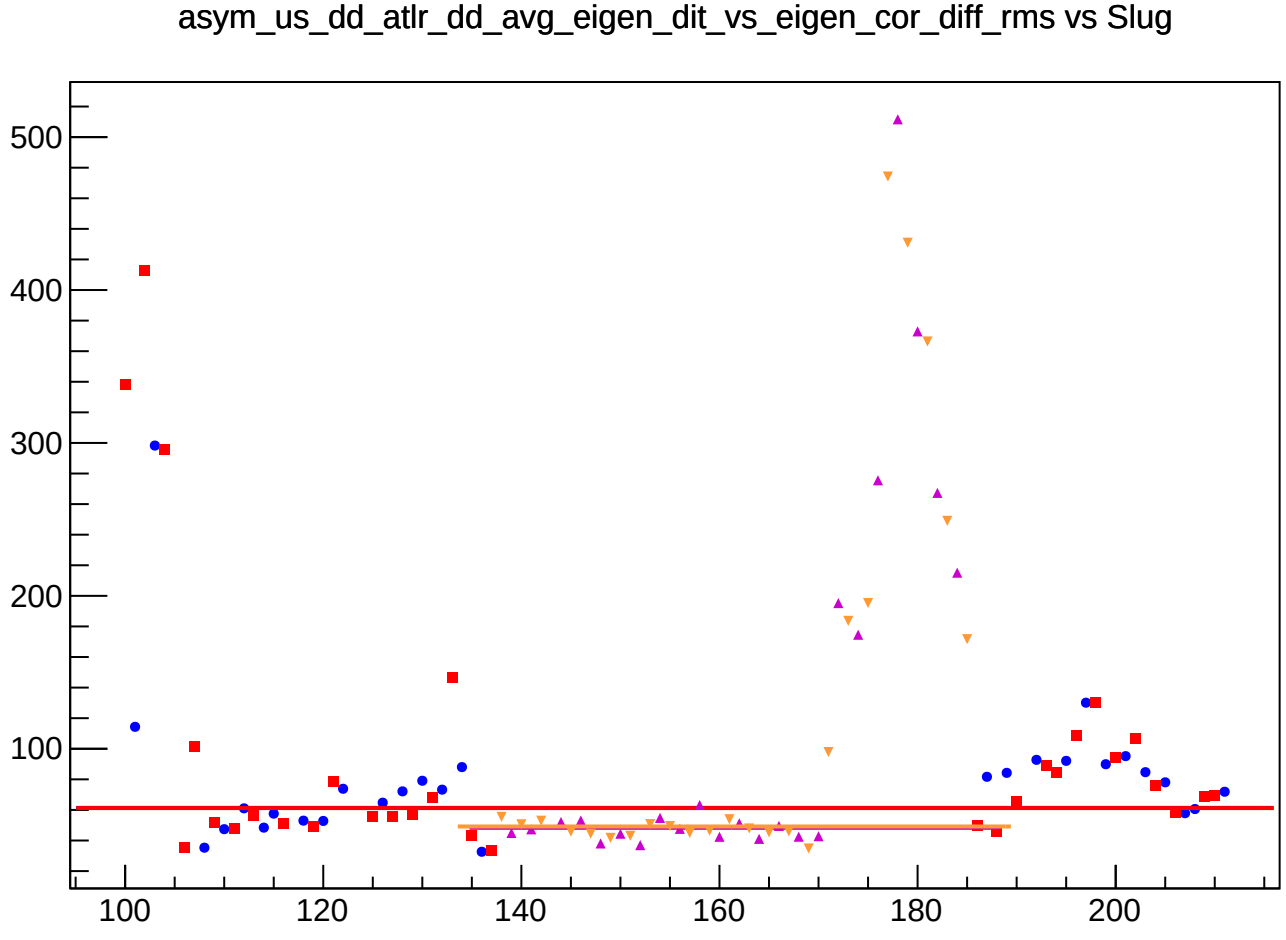
Right Out: 0.018+/-0.017 χ^2/NDF: 26.4/30

Left In: -0.007+/-0.014 χ^2/NDF:11.3/22

+ sign -0.026+/-0.011 χ^2/NDF: 41.5/51

All: -0.011+/-0.008 χ^2/NDF: 84.3/105

- sign 0.003+/-0.010 χ^2/NDF: 39.0/53



Right In: 61.327+/-0.012 χ^2/NDF: 4239065.6/27

Left Out: 49.180+/-0.010 χ^2/NDF:7250102.5/23

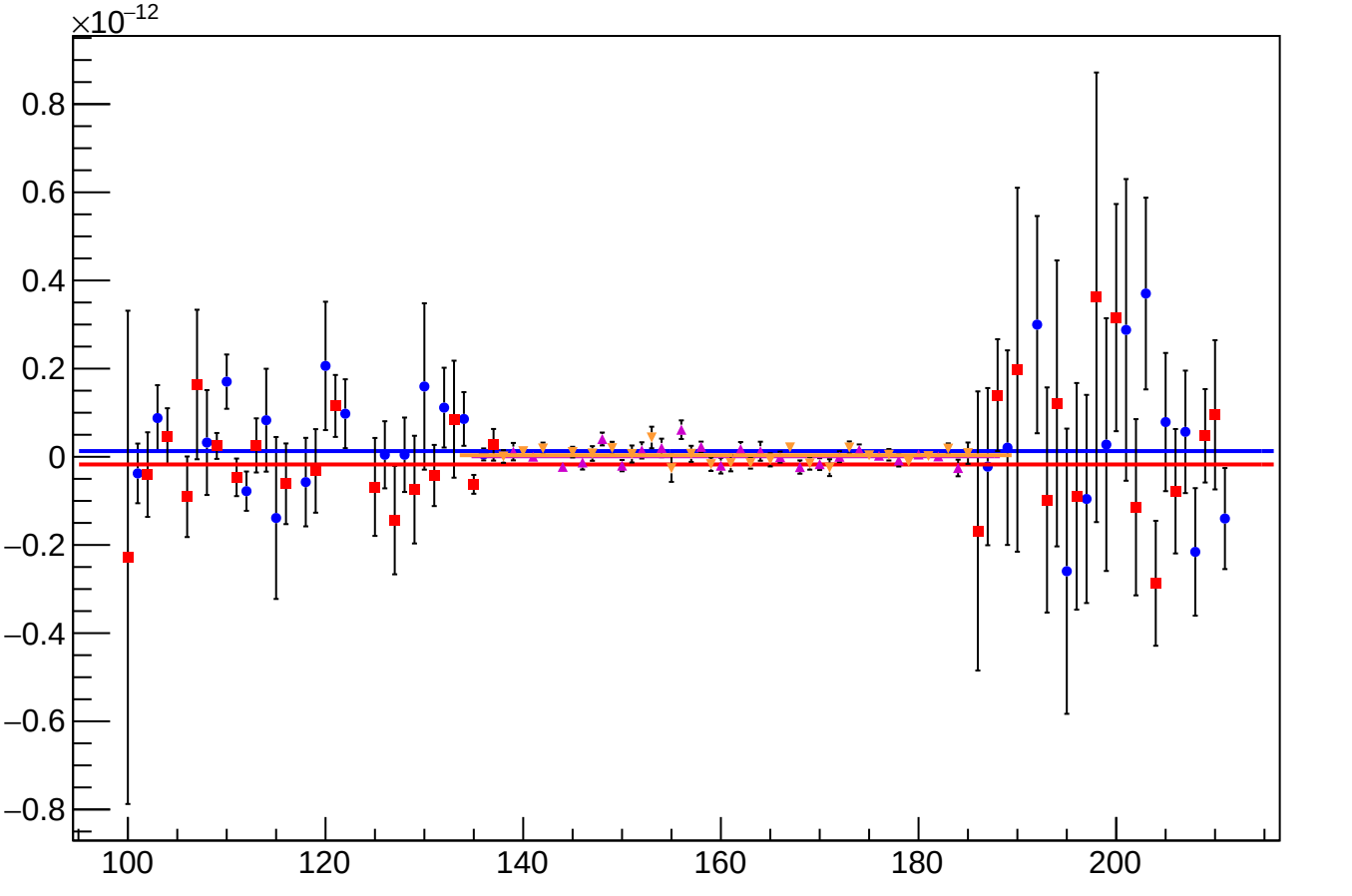
Right Out: 61.216+/-0.012 χ^2/NDF: 4317799.6/30

Left In: 48.307+/-0.010 χ^2/NDF:7040585.4/22

+ sign 54.034+/-0.008 χ^2/NDF: 12099103.4/51

All: 53.731+/-0.005 χ^2/NDF: 24185912.9/105

- sign 53.444+/-0.007 χ^2/NDF: 12083732.8/53



Right In: 0.000+/-0.000 χ^2/NDF: 30.6/27

Left Out: 0.000+/-0.000 χ^2/NDF:24.6/23

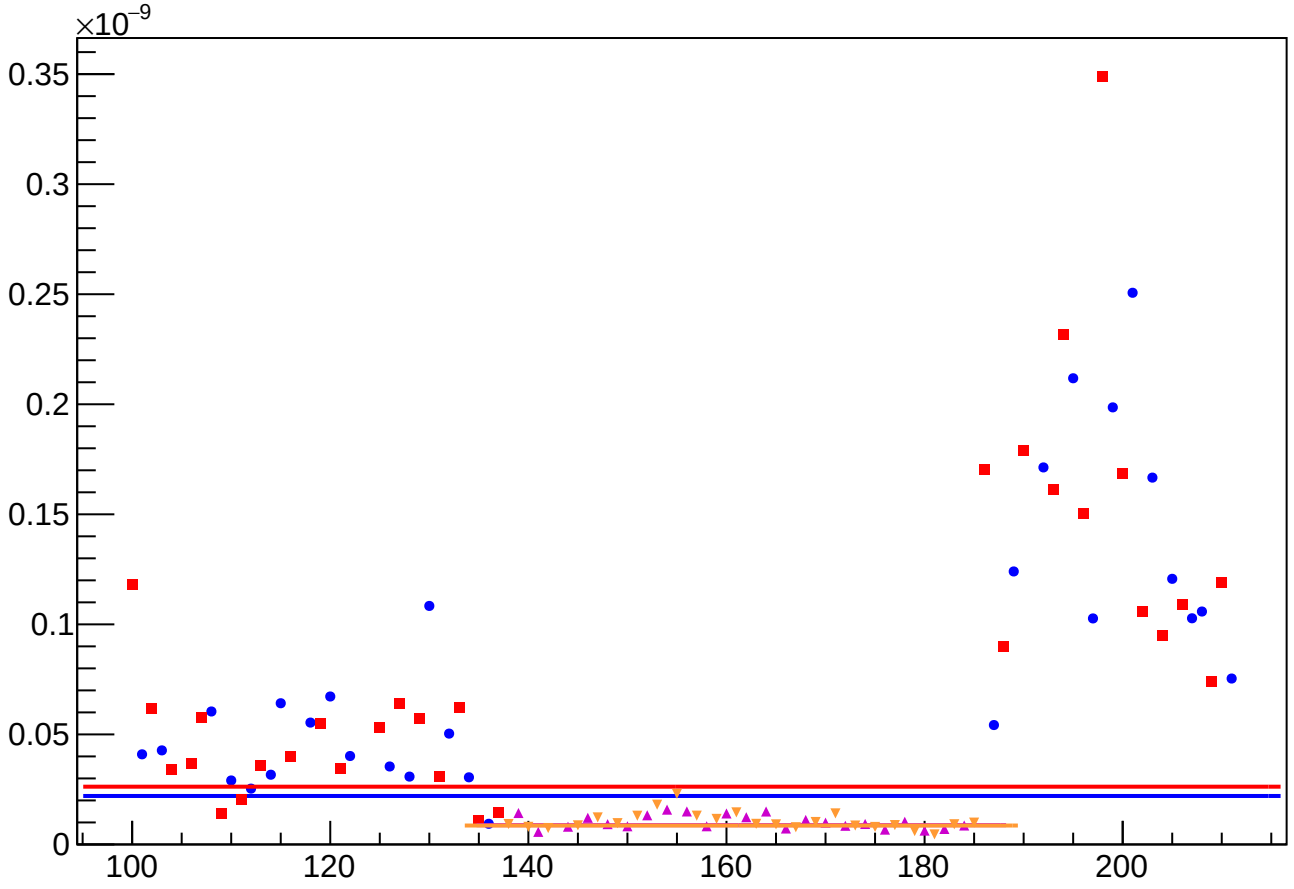
Right Out: -0.000+/-0.000 χ^2/NDF: 27.5/30

Left In: 0.000+/-0.000 χ^2/NDF:40.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 55.8/51

All: 0.000+/-0.000 χ^2/NDF: 126.6/105

- sign 0.000+/-0.000 χ^2/NDF: 69.8/53



Right In: 0.000+/-0.000 χ^2/NDF: 10923713.2/27

Left Out: 0.000+/-0.000 χ^2/NDF:2499872.6/23

Right Out: 0.000+/-0.000 χ^2/NDF: 9866414.3/30

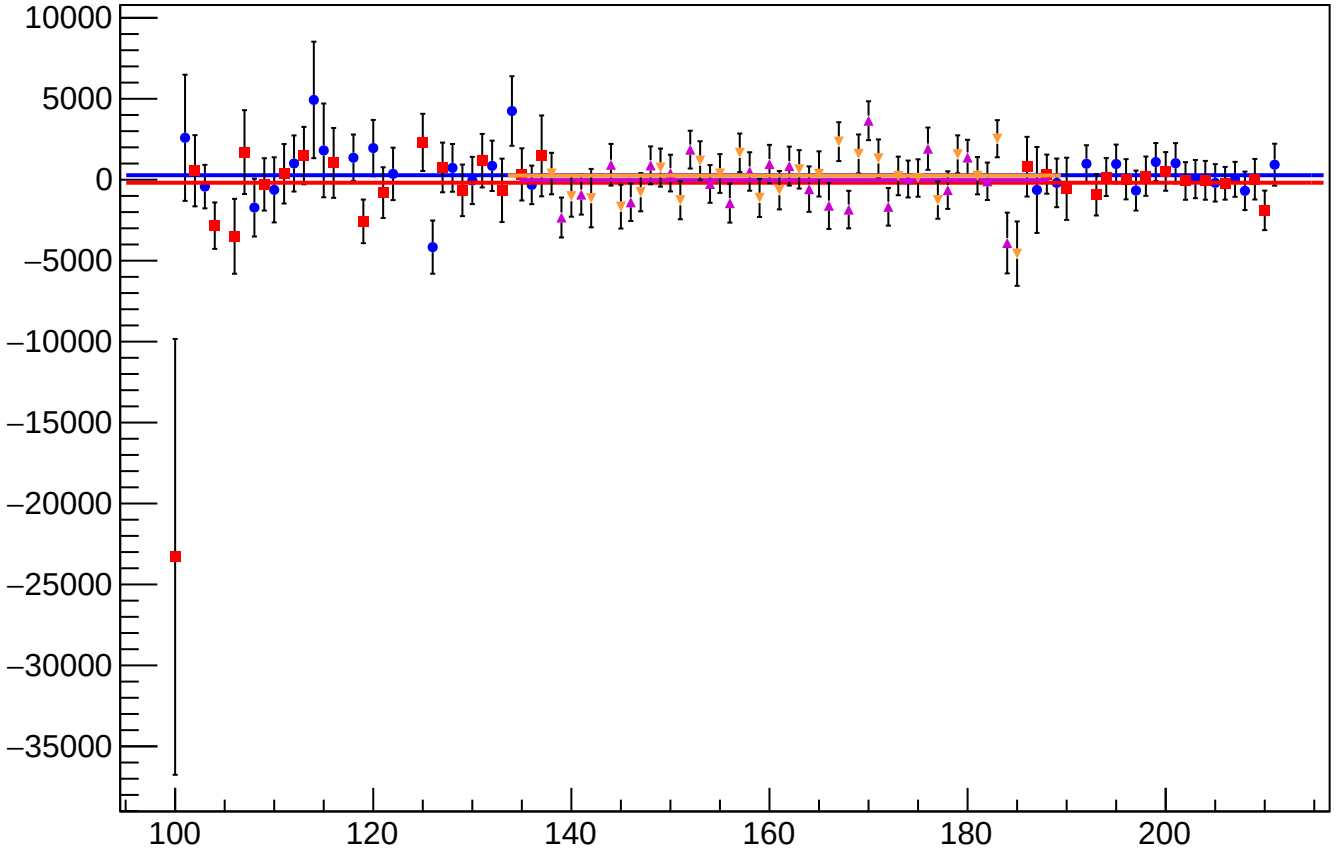
Left In: 0.000+/-0.000 χ^2/NDF:1954811.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 16202375.2/51

All: 0.000+/-0.000 χ^2/NDF: 31967095.9/105

- sign 0.000+/-0.000 χ^2/NDF: 15755856.9/53

reg_asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 278.437+/-274.789 χ^2/NDF: 20.5/27

Left Out: 260.650+/-251.401 χ^2/NDF:28.2/23

Right Out: -184.527+/-268.702 χ^2/NDF: 20.8/30

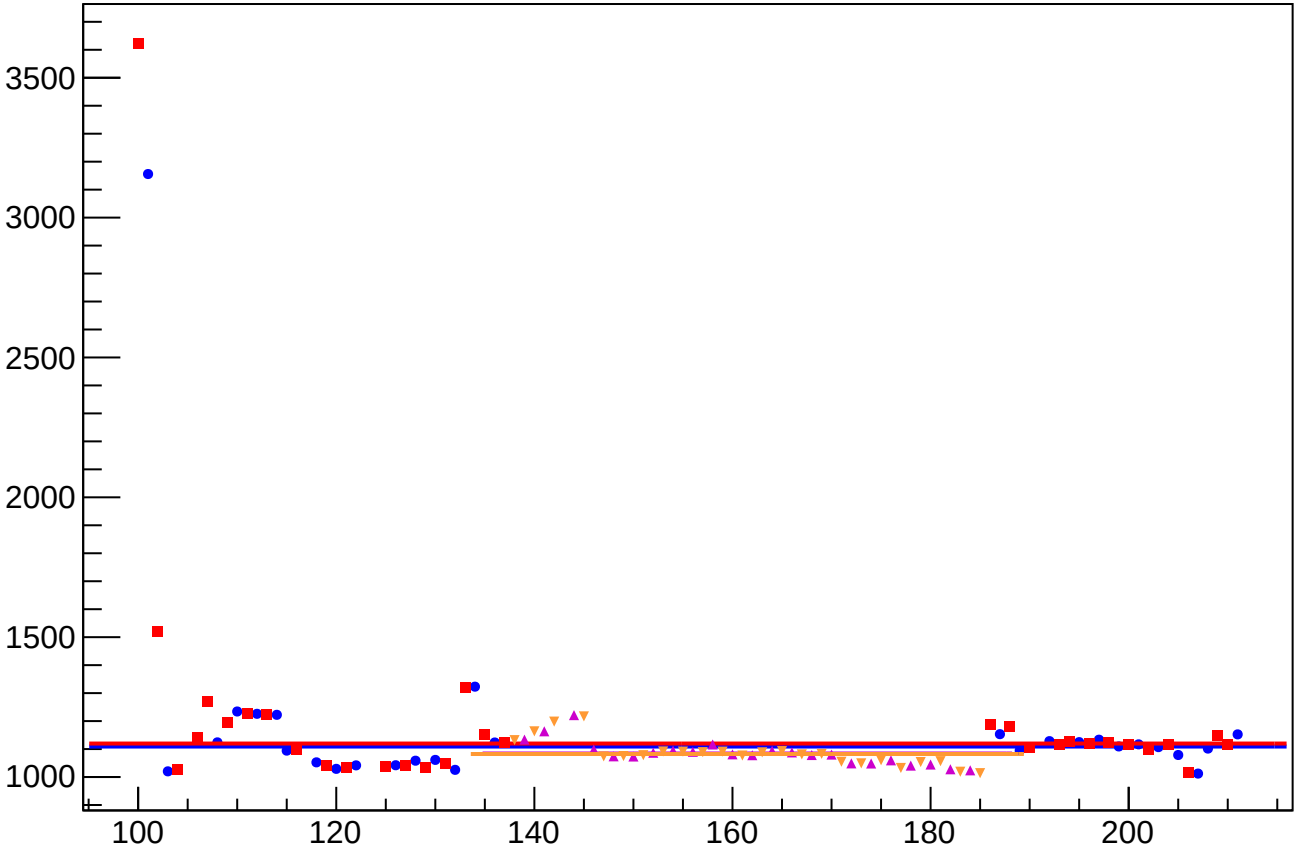
Left In: -22.368+/-253.332 χ^2/NDF:35.8/22

+ sign 268.754+/-185.485 χ^2/NDF: 48.7/51

All: 83.888+/-130.746 χ^2/NDF: 107.5/105

- sign -98.677+/-184.327 χ^2/NDF: 56.8/53

reg_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1108.998+/-0.194 χ^2/NDF: 646209.1/27

Left Out: 1082.308+/-0.178 χ^2/NDF:57873.0/23

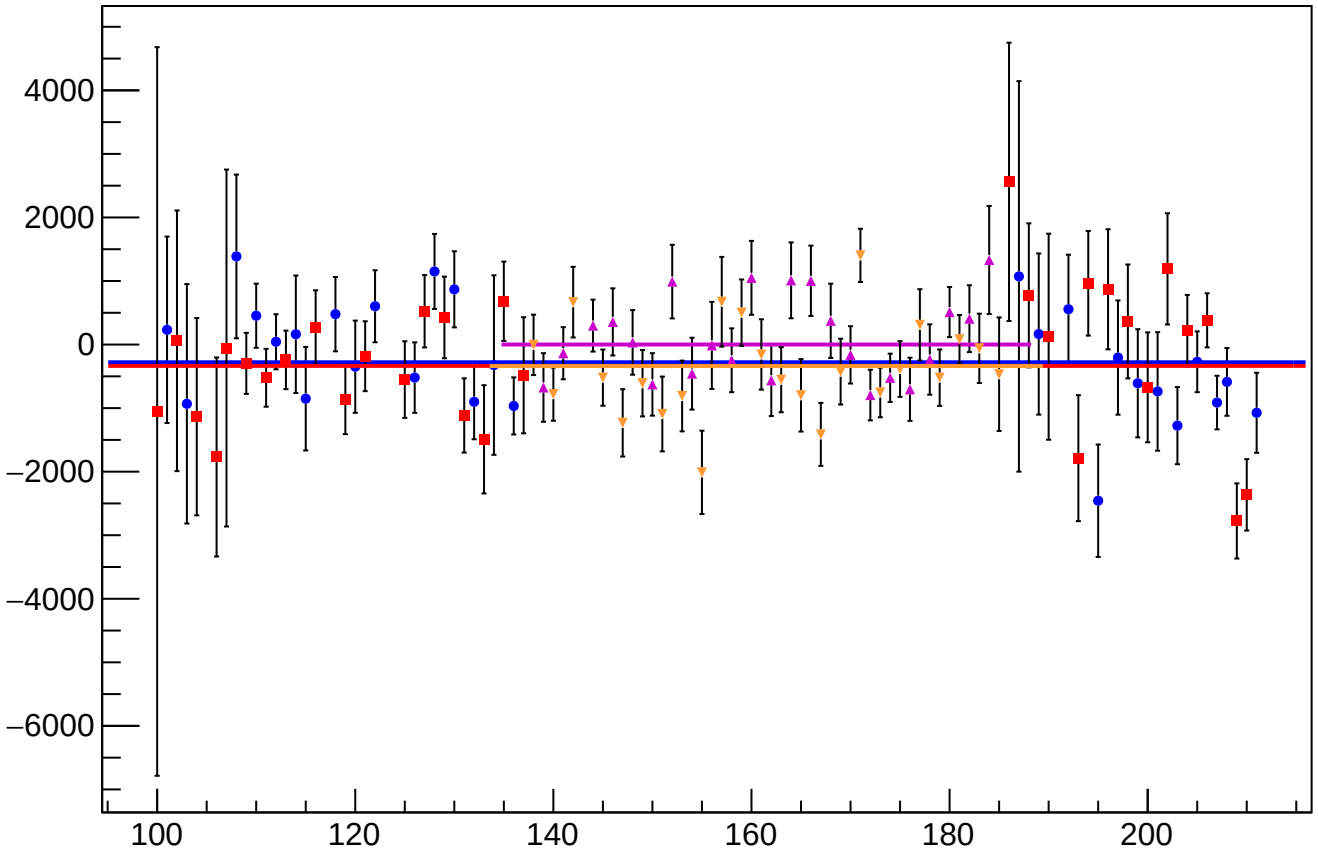
Right Out: 1119.726+/-0.190 χ^2/NDF: 252544.1/30

Left In: 1084.166+/-0.179 χ^2/NDF:53438.8/22

+ sign 1094.469+/-0.131 χ^2/NDF: 714353.4/51

All: 1097.704+/-0.092 χ^2/NDF: 1040089.9/10

- sign 1100.900+/-0.130 χ^2/NDF: 324526.8/53



Right In: -279.112+/-124.666 χ^2/NDF: 37.2/27

Left Out: -337.727+/-102.601 χ^2/NDF:48.8/23

Right Out: -335.412+/-124.460 χ^2/NDF: 60.3/30

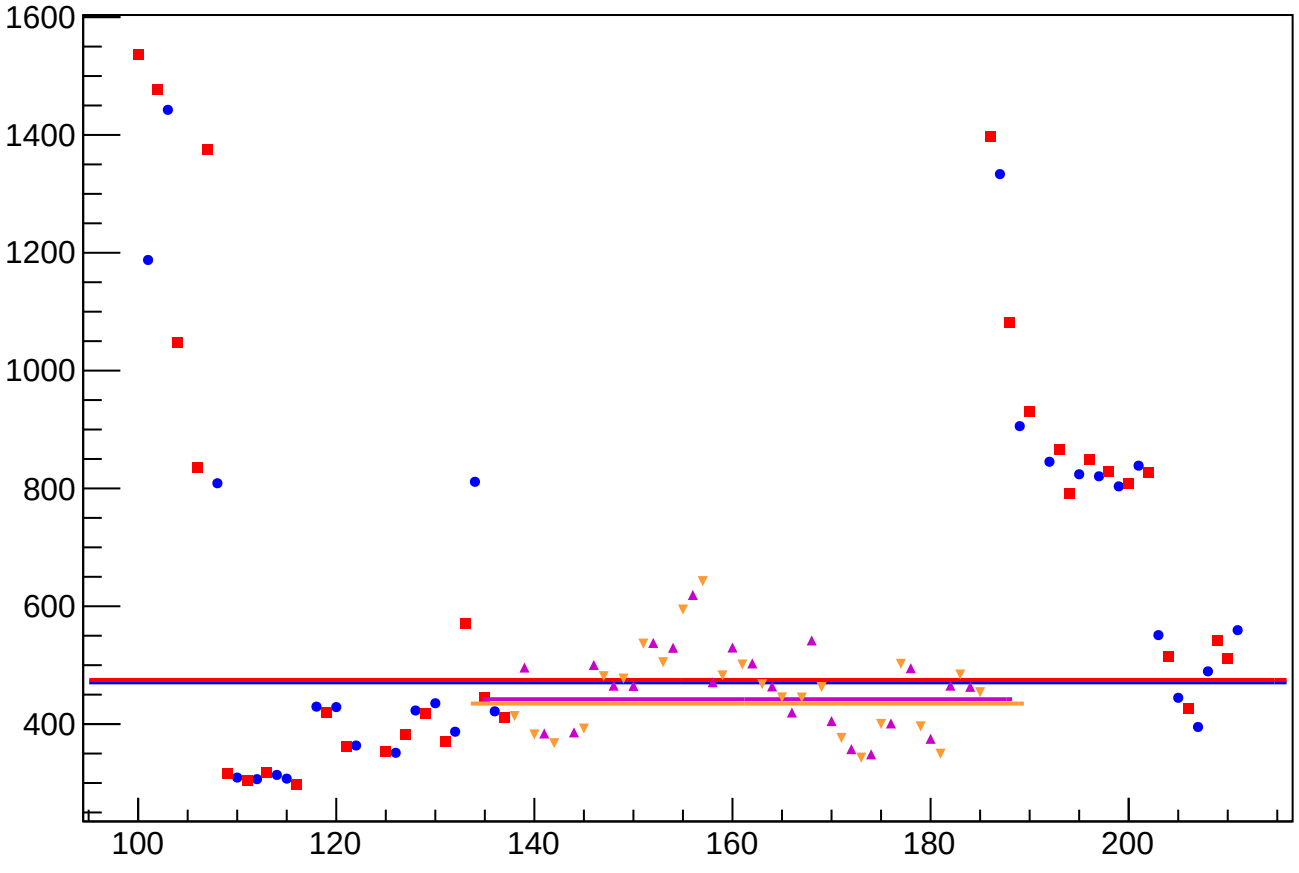
Left In: 0.547+/-104.733 χ^2/NDF:31.9/22

+ sign -314.057+/-79.221 χ^2/NDF: 86.1/51

All: -227.399+/-56.338 χ^2/NDF: 185.0/105

- sign -138.729+/-80.135 χ^2/NDF: 96.4/53

asym_us_dd_atlr_dd_dd_reg_correction_rms vs Slug



Right In: 470.857+/-0.088 χ^2/NDF: 4319644.0/27

Left Out: 434.858+/-0.073 χ^2/NDF:878416.4/23

Right Out: 474.873+/-0.088 χ^2/NDF: 5413255.6/30

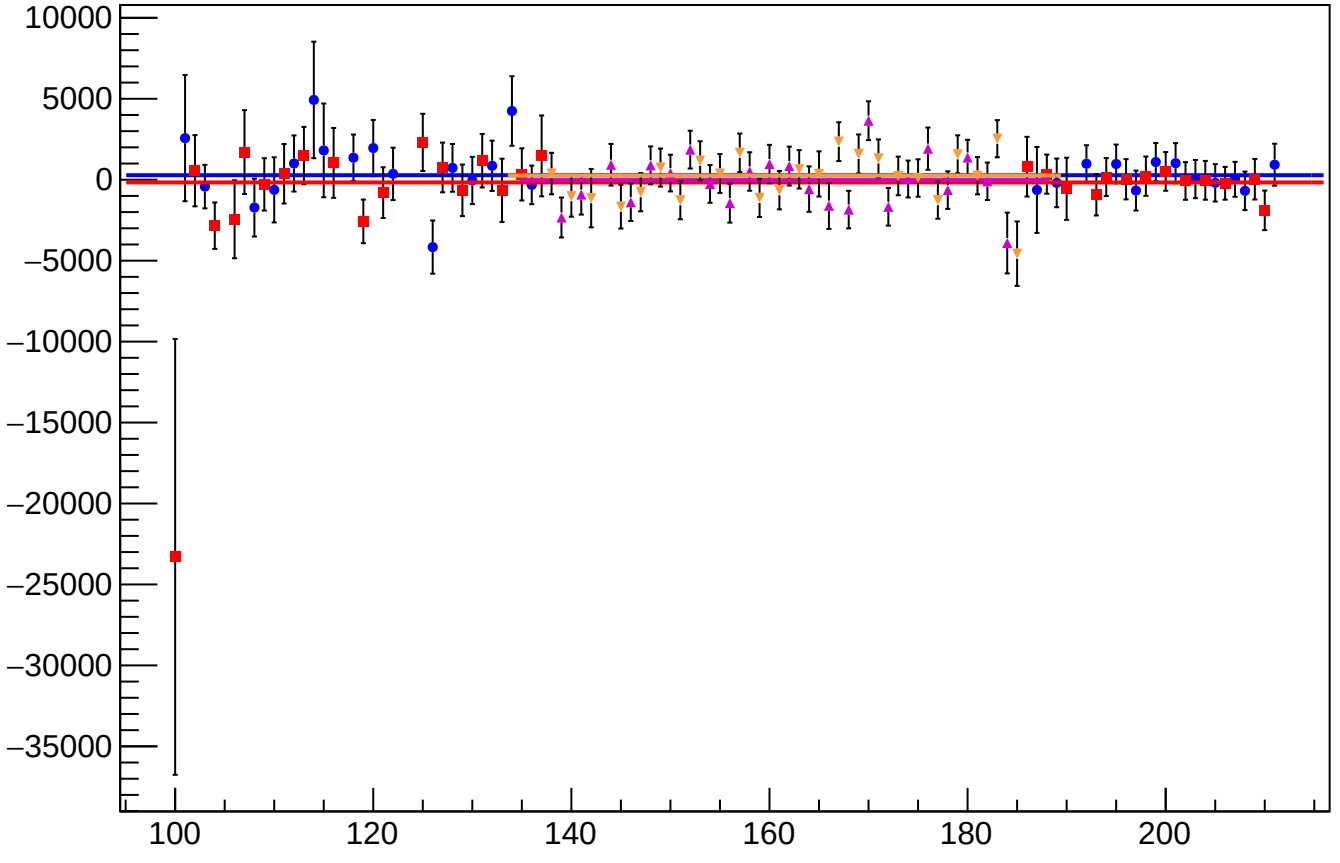
Left In: 442.209+/-0.074 χ^2/NDF:825972.2/22

+ sign 449.395+/-0.056 χ^2/NDF: 5297482.4/51

All: 452.536+/-0.040 χ^2/NDF: 11623719.6/10

- sign 455.750+/-0.057 χ^2/NDF: 6319876.8/53

cor_asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 278.306+/-274.789 χ^2/NDF: 20.5/27

Left Out: 260.639+/-251.401 χ^2/NDF:28.2/23

Right Out: -167.964+/-268.842 χ^2/NDF: 19.7/30

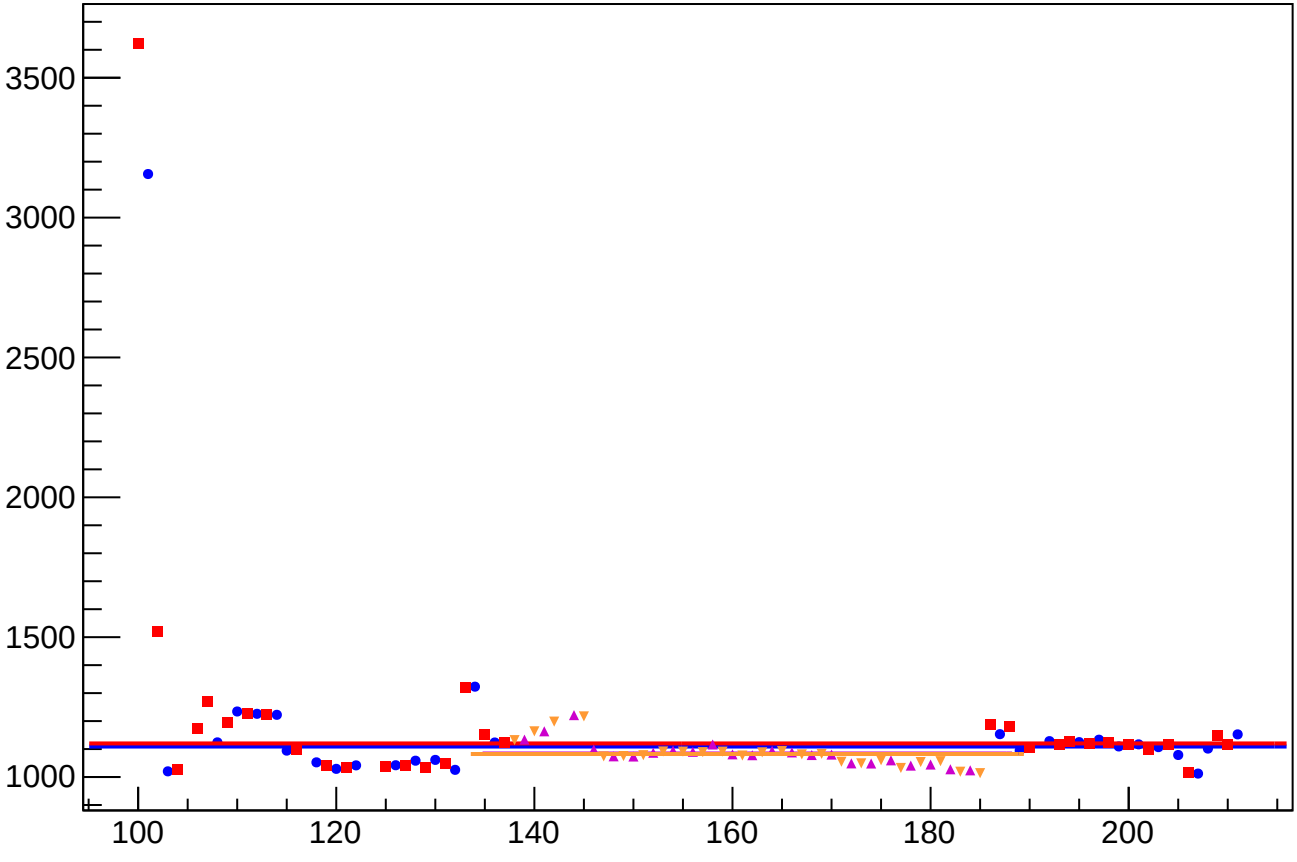
Left In: -22.362+/-253.332 χ^2/NDF:35.8/22

+ sign 268.689+/-185.485 χ^2/NDF: 48.7/51

All: 87.841+/-130.763 χ^2/NDF: 106.2/105

- sign -90.842+/-184.372 χ^2/NDF: 55.6/53

cor_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1108.998+/-0.194 χ^2/NDF: 646210.1/27

Left Out: 1082.308+/-0.178 χ^2/NDF:57873.0/23

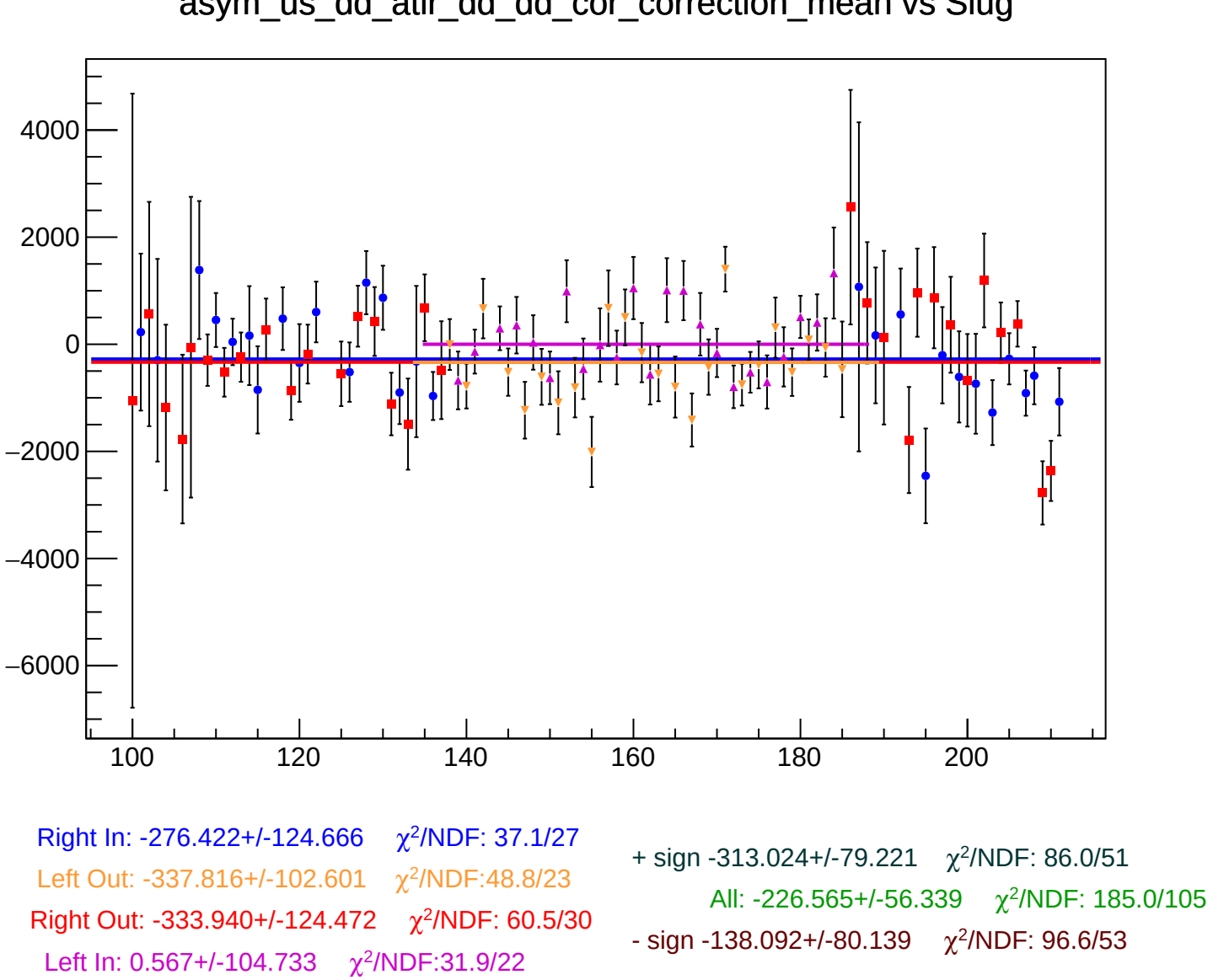
Right Out: 1120.095+/-0.190 χ^2/NDF: 253313.9/30

Left In: 1084.166+/-0.179 χ^2/NDF:53438.8/22

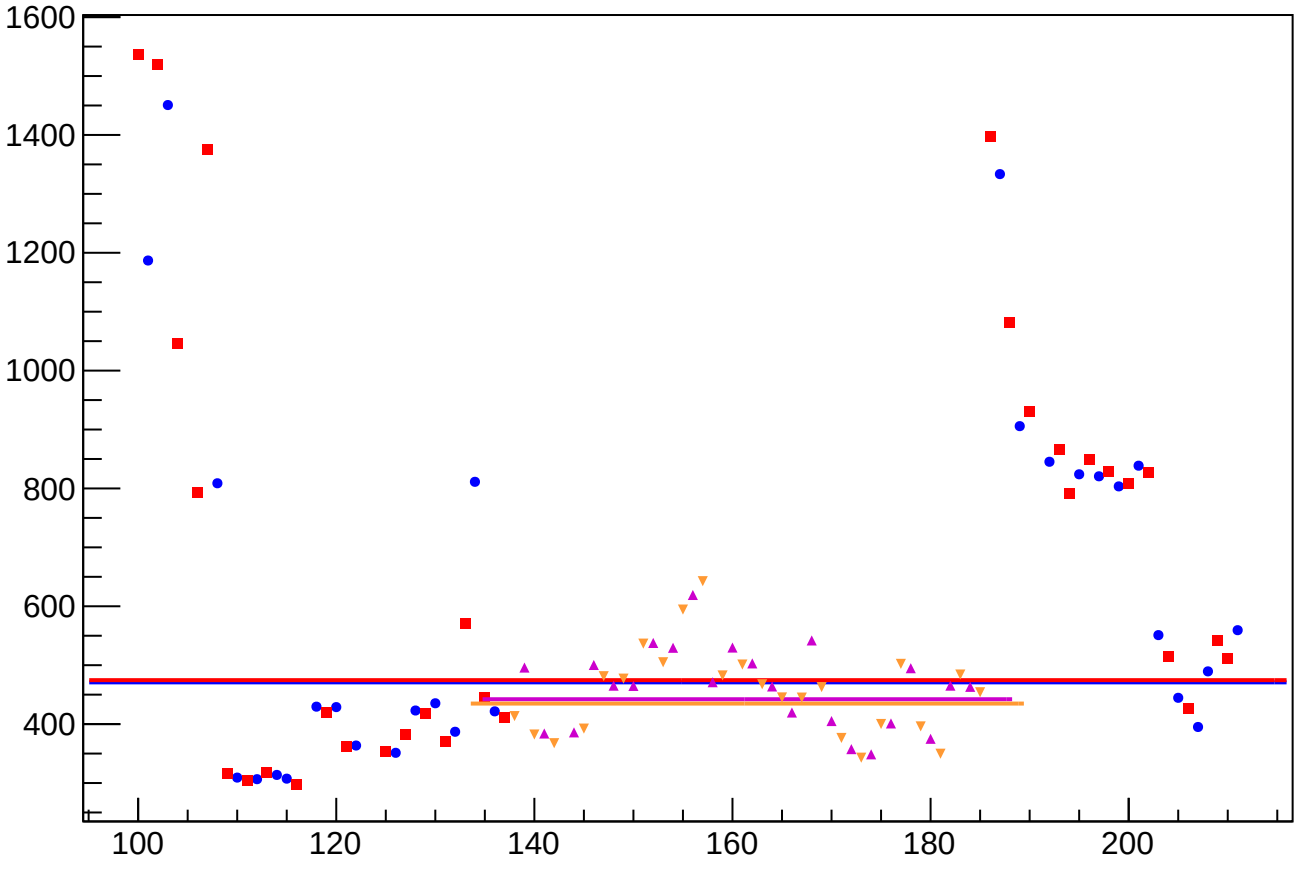
+ sign 1094.469+/-0.131 χ^2/NDF: 714354.3/51

All: 1097.786+/-0.092 χ^2/NDF: 1041299.5/10

- sign 1101.064+/-0.130 χ^2/NDF: 325673.2/53


asym_us_dd_atlr_dd_dd_cor_correction_mean vs Slug
4000
2000
0
−2000
−4000
−6000
100
120
140
160
180
200
Right In: -276.422+/-124.666 χ²/NDF: 37.1/27
Left Out: -337.816+/-102.601 χ²/NDF:48.8/23
Right Out: -333.940+/-124.472 χ²/NDF: 60.5/30
Left In: 0.567+/-104.733 χ²/NDF:31.9/22
+ sign -313.024+/-79.221 χ²/NDF: 86.0/51
All: -226.565+/-56.339 χ²/NDF: 185.0/105
- sign -138.092+/-80.139 χ²/NDF: 96.6/53

asym_us_dd_atlr_dd_dd_cor_correction_rms vs Slug



Right In: 470.852+/-0.088 χ^2/NDF: 4323438.1/27

Left Out: 434.856+/-0.073 χ^2/NDF:878507.3/23

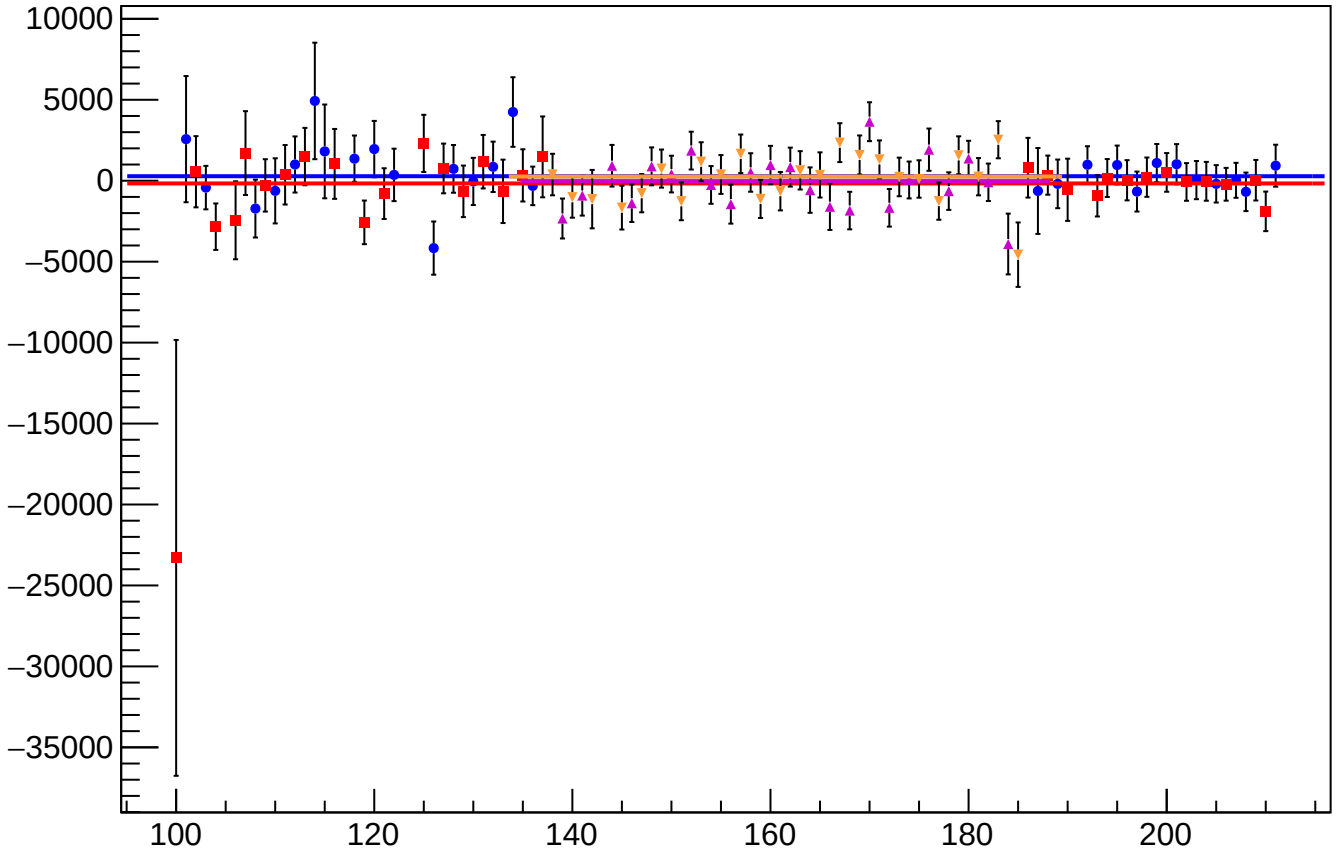
Right Out: 474.596+/-0.088 χ^2/NDF: 5407904.8/30

Left In: 442.210+/-0.074 χ^2/NDF:825844.5/22

+ sign 449.391+/-0.056 χ^2/NDF: 5301351.7/51

All: 452.477+/-0.040 χ^2/NDF: 11620511.1/10

- sign 455.634+/-0.057 χ^2/NDF: 6313021.3/53



Right In: 278.306+/-274.789 χ^2/NDF: 20.5/27

Left Out: 260.639+/-251.401 χ^2/NDF:28.2/23

Right Out: -167.964+/-268.842 χ^2/NDF: 19.7/30

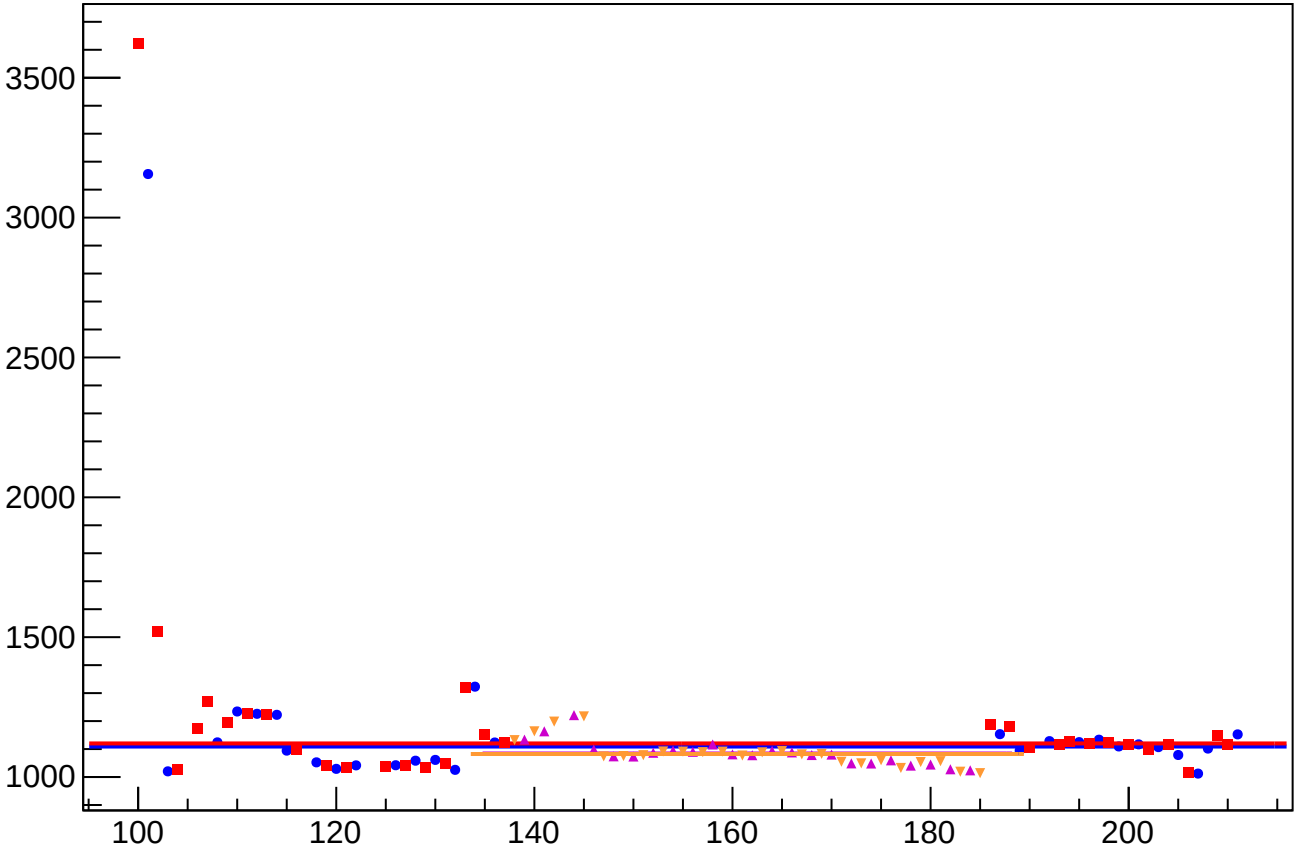
Left In: -22.362+/-253.332 χ^2/NDF:35.8/22

+ sign 268.689+/-185.485 χ^2/NDF: 48.7/51

All: 87.841+/-130.763 χ^2/NDF: 106.2/105

- sign -90.842+/-184.372 χ^2/NDF: 55.6/53

eigen_cor_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1108.998+/-0.194 χ^2/NDF: 646210.1/27

Left Out: 1082.308+/-0.178 χ^2/NDF:57873.0/23

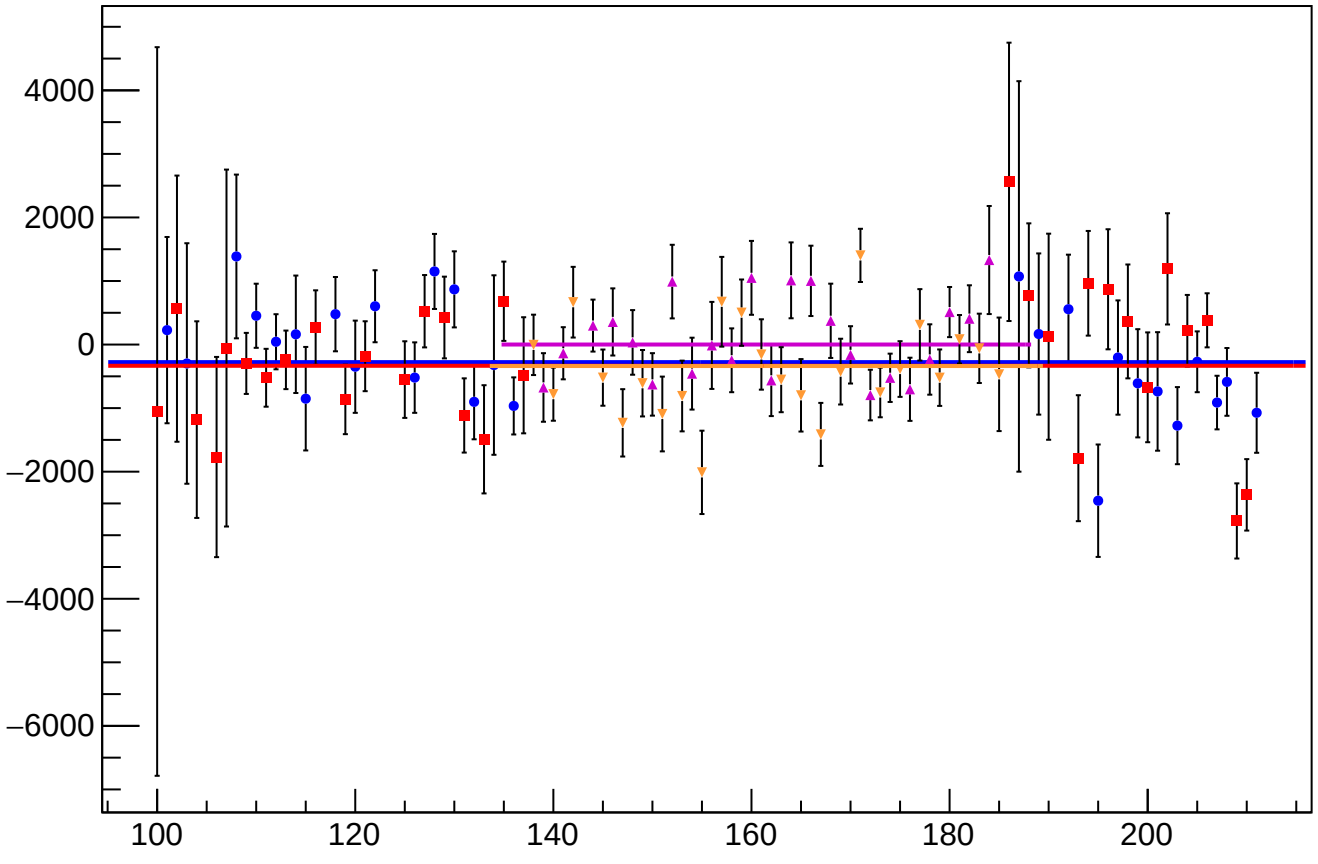
Right Out: 1120.095+/-0.190 χ^2/NDF: 253313.9/30

Left In: 1084.166+/-0.179 χ^2/NDF:53438.8/22

+ sign 1094.469+/-0.131 χ^2/NDF: 714354.3/51

All: 1097.786+/-0.092 χ^2/NDF: 1041299.5/10

- sign 1101.064+/-0.130 χ^2/NDF: 325673.2/53



Right In: -276.422+/-124.666 χ^2/NDF: 37.1/27

Left Out: -337.816+/-102.601 χ^2/NDF:48.8/23

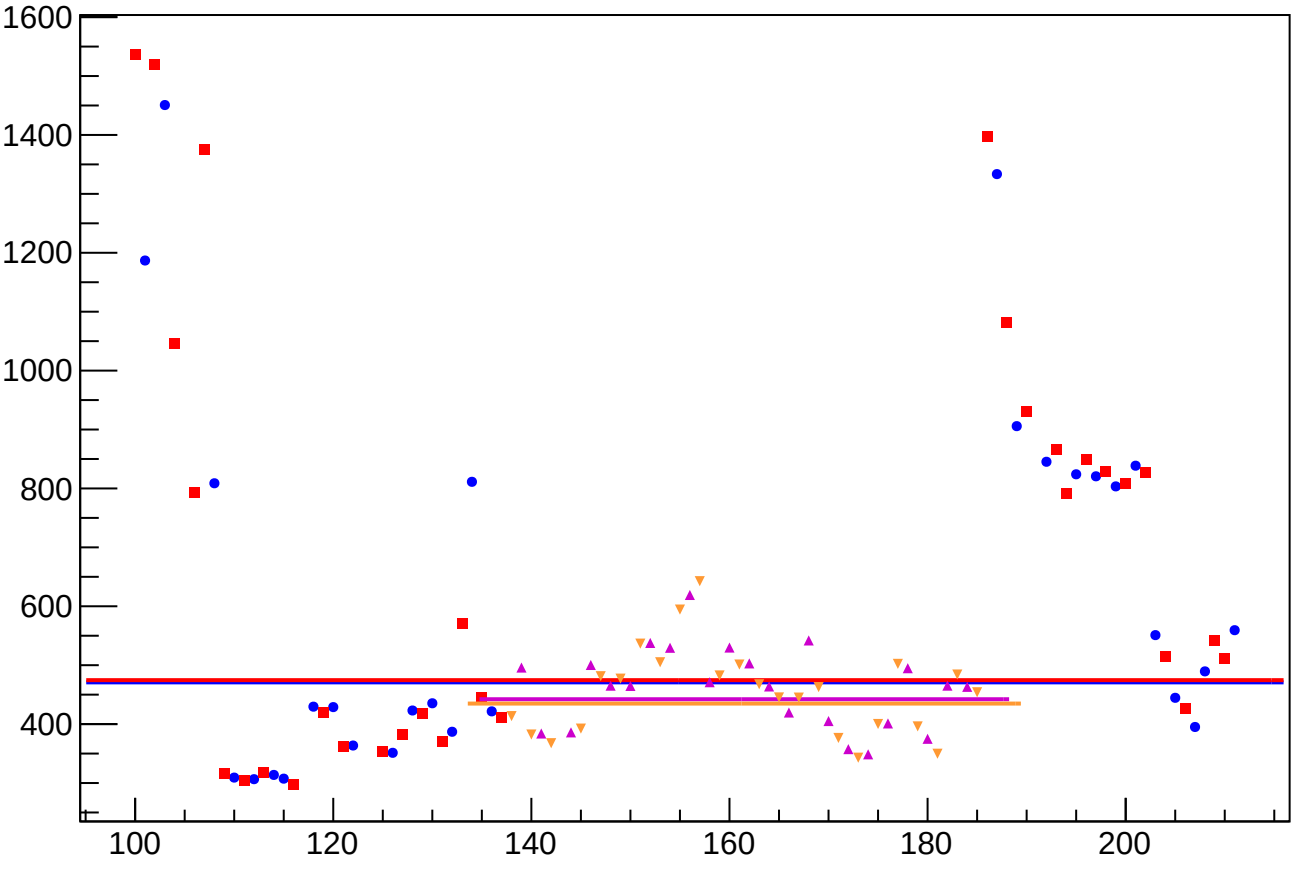
Right Out: -333.940+/-124.472 χ^2/NDF: 60.5/30

Left In: 0.567+/-104.733 χ^2/NDF:31.9/22

+ sign -313.024+/-79.221 χ^2/NDF: 86.0/51

All: -226.565+/-56.339 χ^2/NDF: 185.0/105

- sign -138.092+/-80.139 χ^2/NDF: 96.6/53



Right In: 470.852+/-0.088 χ^2/NDF: 4323438.1/27

Left Out: 434.856+/-0.073 χ^2/NDF:878507.3/23

Right Out: 474.596+/-0.088 χ^2/NDF: 5407904.8/30

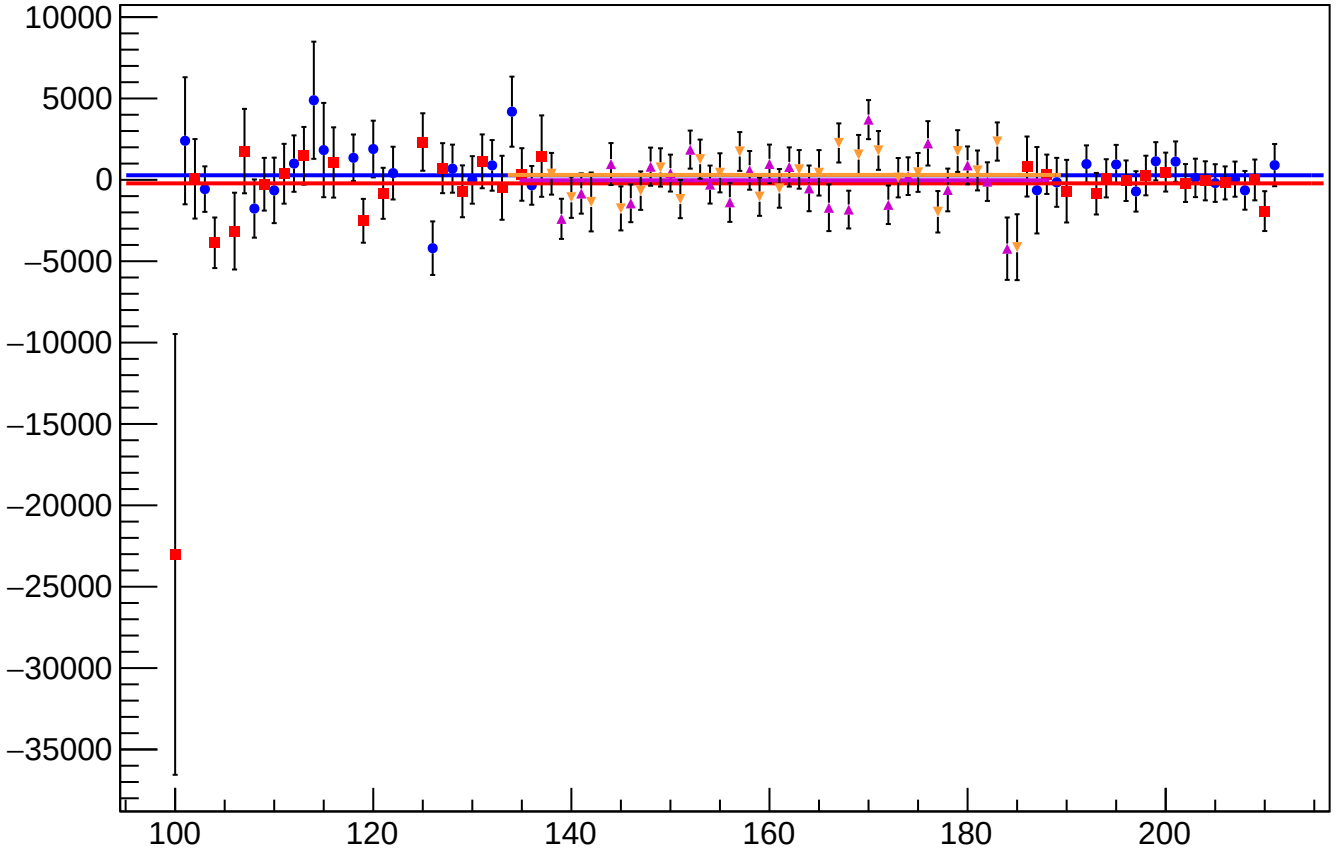
Left In: 442.210+/-0.074 χ^2/NDF:825844.5/22

+ sign 449.391+/-0.056 χ^2/NDF: 5301351.7/51

All: 452.477+/-0.040 χ^2/NDF: 11620511.1/10

- sign 455.634+/-0.057 χ^2/NDF: 6313021.3/53

dit_asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 281.043+/-275.544 χ^2/NDF: 20.5/27

Left Out: 303.404+/-255.556 χ^2/NDF:28.5/23

Right Out: -215.505+/-270.179 χ^2/NDF: 22.1/30

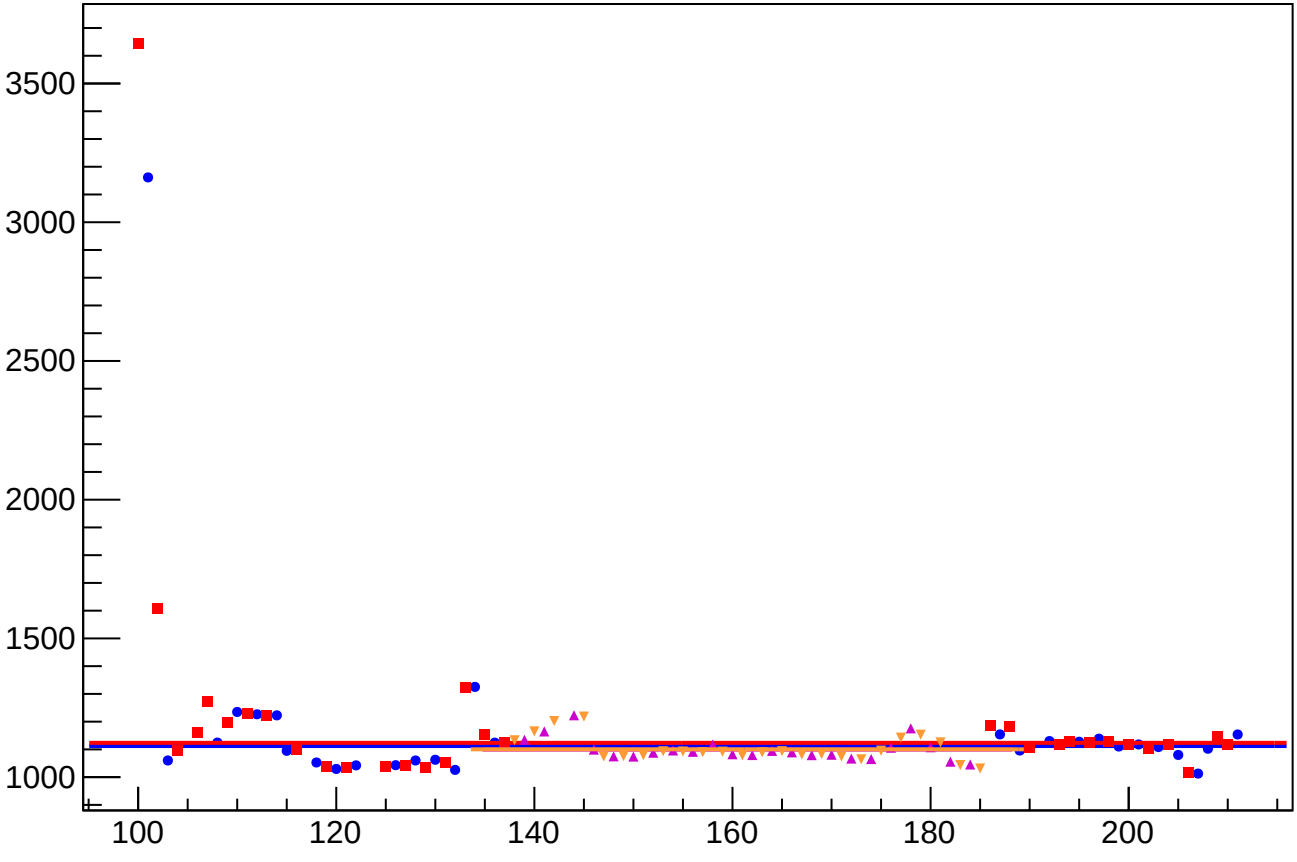
Left In: -25.319+/-256.866 χ^2/NDF:35.9/22

+ sign 293.064+/-187.374 χ^2/NDF: 49.0/51

All: 87.399+/-132.062 χ^2/NDF: 109.7/105

- sign -115.611+/-186.160 χ^2/NDF: 58.2/53

dit_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1112.072+/-0.195 χ^2/NDF: 641112.1/27

Left Out: 1100.258+/-0.181 χ^2/NDF:48774.1/23

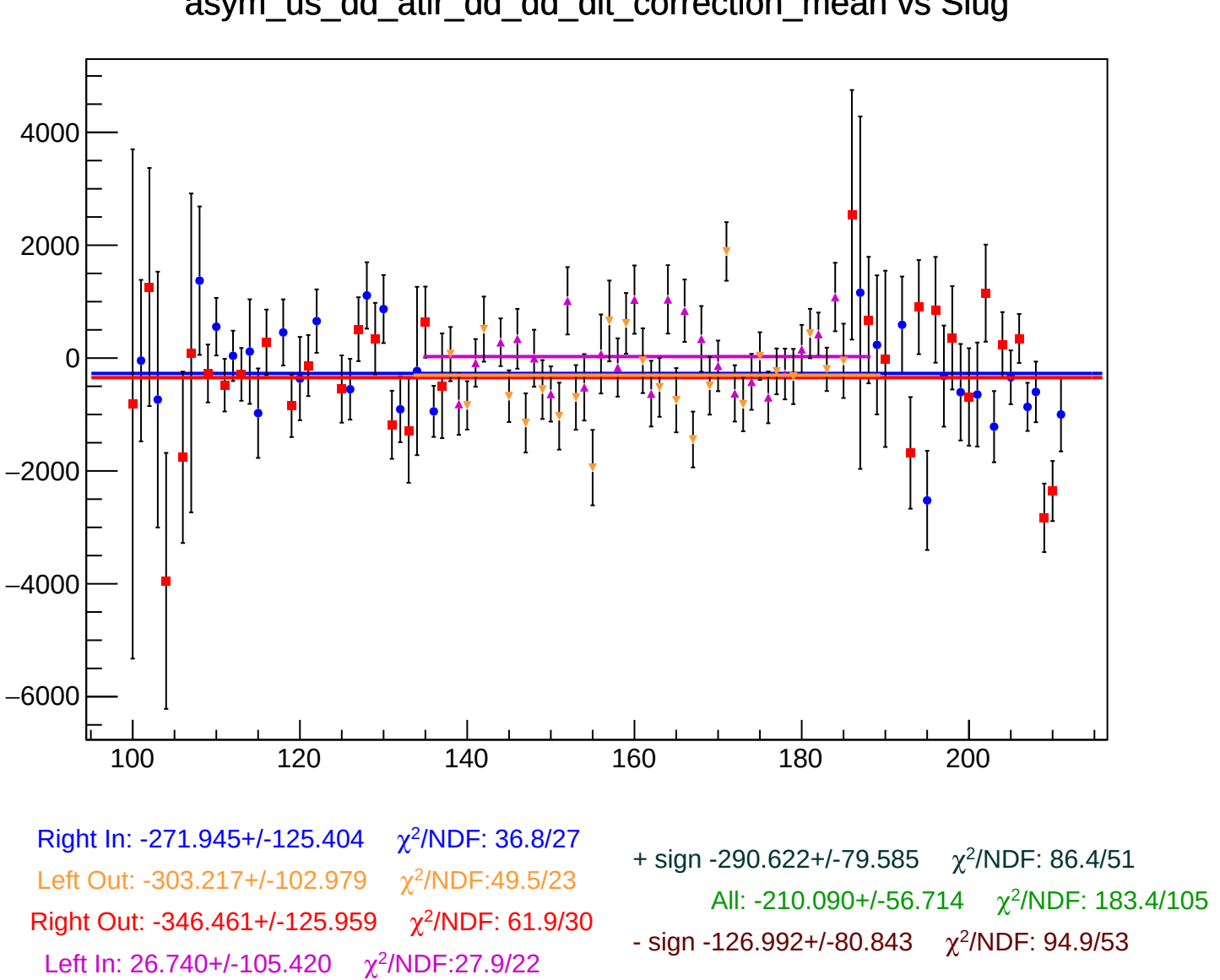
Right Out: 1123.623+/-0.191 χ^2/NDF: 259085.4/30

Left In: 1099.342+/-0.182 χ^2/NDF:44785.6/22

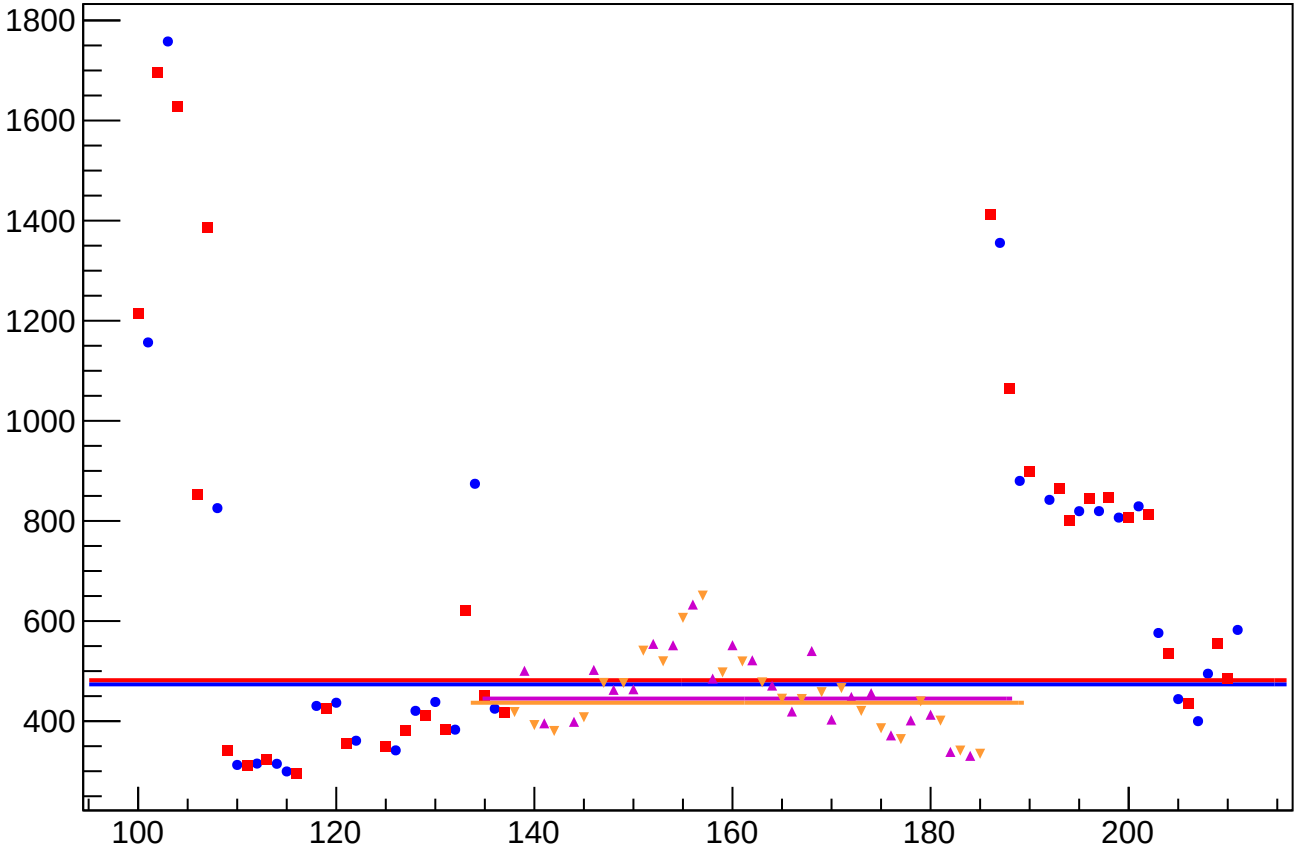
+ sign 1105.721+/-0.132 χ^2/NDF: 691862.8/51

All: 1108.312+/-0.093 χ^2/NDF: 1004978.3/10

- sign 1110.870+/-0.132 χ^2/NDF: 312355.6/53


asym_us_dd_atlr_dd_dd_dit_correction_mean vs Slug
4000
2000
0
−2000
−4000
−6000
100
120
140
160
180
200
Right In: -271.945+/-125.404 χ²/NDF: 36.8/27
Left Out: -303.217+/-102.979 χ²/NDF:49.5/23
Right Out: -346.461+/-125.959 χ²/NDF: 61.9/30
Left In: 26.740+/-105.420 χ²/NDF:27.9/22
+ sign -290.622+/-79.585 χ²/NDF: 86.4/51
All: -210.090+/-56.714 χ²/NDF: 183.4/105
- sign -126.992+/-80.843 χ²/NDF: 94.9/53

asym_us_dd_atlr_dd_dd_dit_correction_rms vs Slug



Right In: 473.534+/-0.089 χ^2/NDF: 4439337.8/27

Left Out: 436.787+/-0.073 χ^2/NDF:855206.3/23

Right Out: 481.824+/-0.089 χ^2/NDF: 5727352.4/30

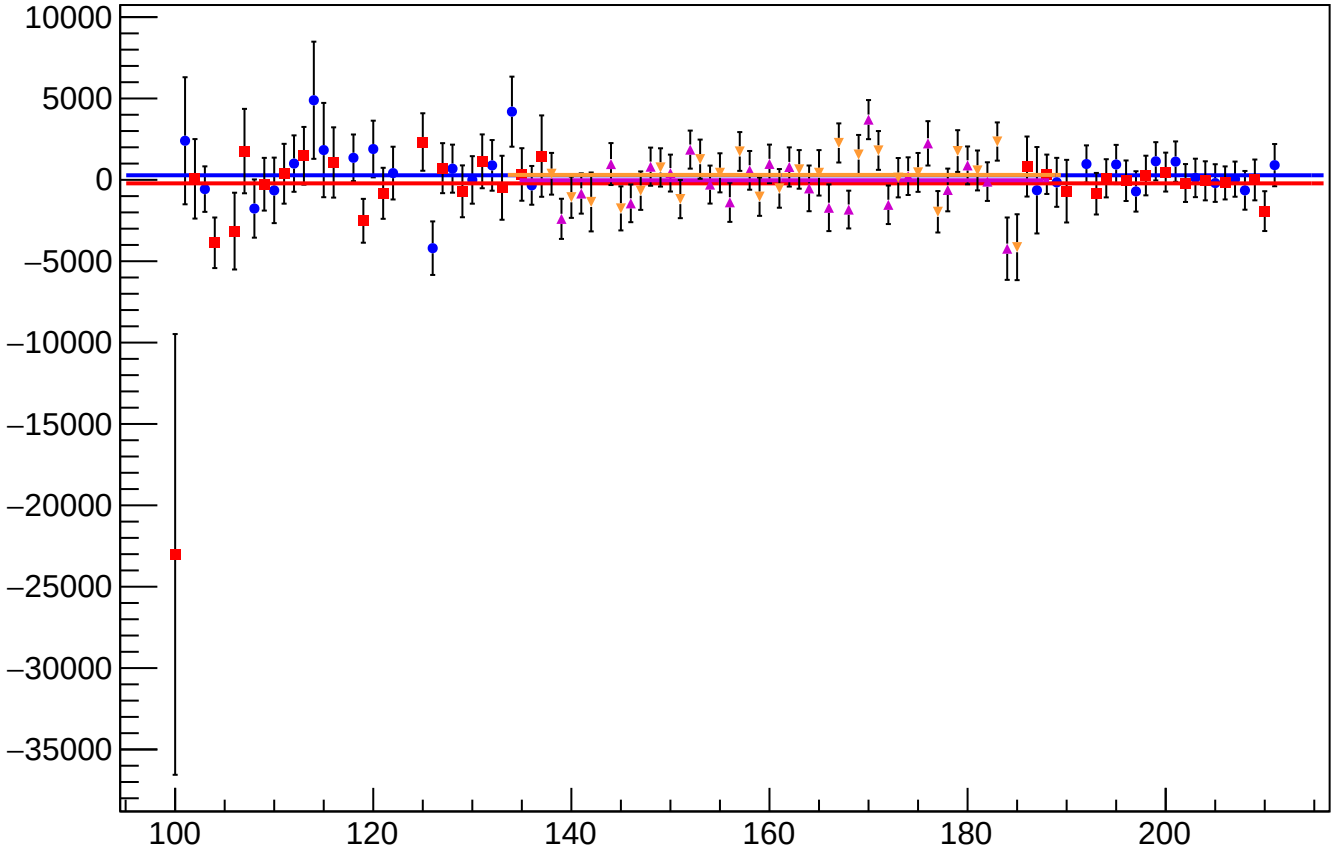
Left In: 445.109+/-0.075 χ^2/NDF:874534.9/22

+ sign 451.587+/-0.056 χ^2/NDF: 5397110.4/51

All: 455.842+/-0.040 χ^2/NDF: 12110545.4/10

- sign 460.233+/-0.057 χ^2/NDF: 6701817.4/53

eigen_dit_asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 281.042+/-275.544 χ^2/NDF: 20.5/27

Left Out: 303.402+/-255.556 χ^2/NDF:28.5/23

Right Out: -215.505+/-270.179 χ^2/NDF: 22.1/30

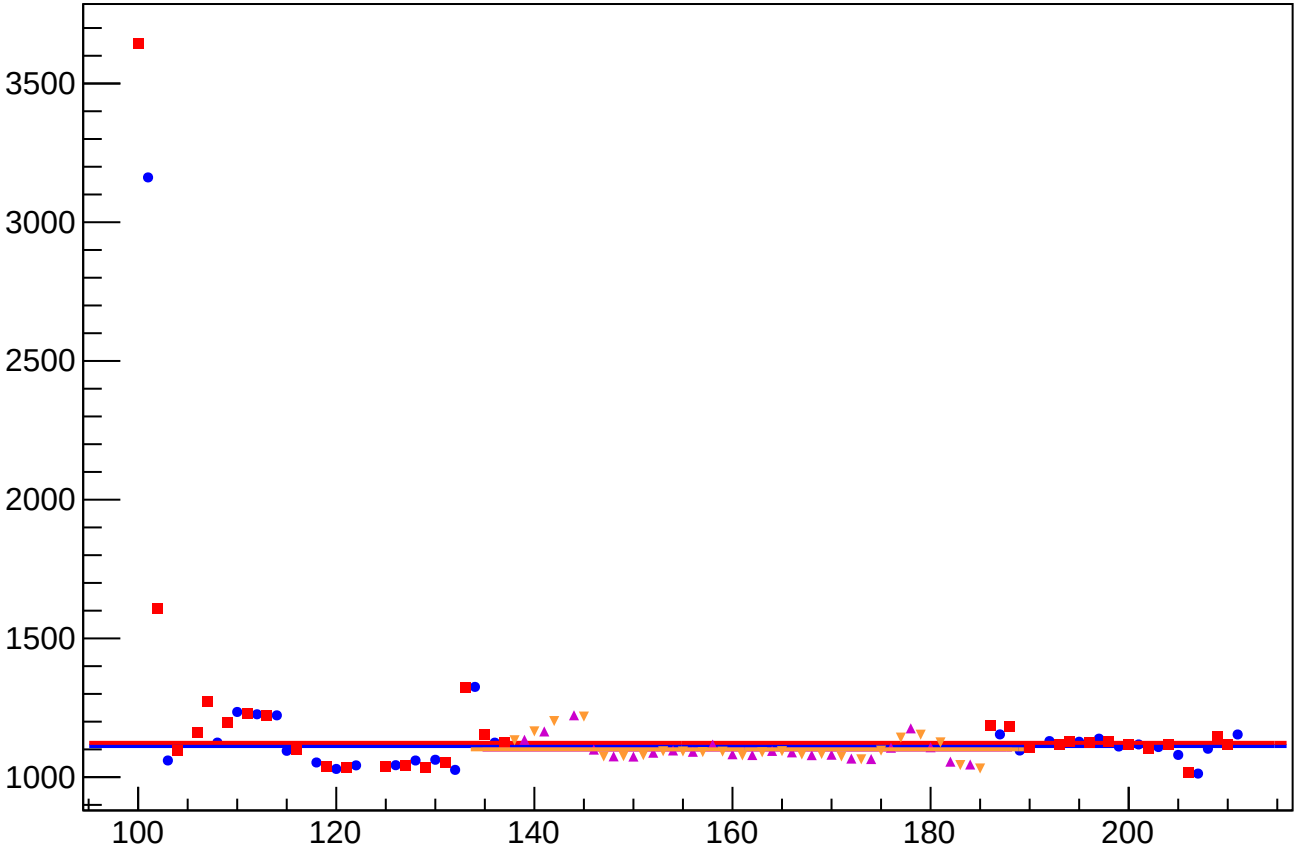
Left In: -25.320+/-256.866 χ^2/NDF:35.9/22

+ sign 293.062+/-187.374 χ^2/NDF: 49.0/51

All: 87.398+/-132.062 χ^2/NDF: 109.7/105

- sign -115.612+/-186.160 χ^2/NDF: 58.2/53

eigen_dit_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1112.072+/-0.195 χ^2/NDF: 641112.1/27

Left Out: 1100.258+/-0.181 χ^2/NDF:48774.3/23

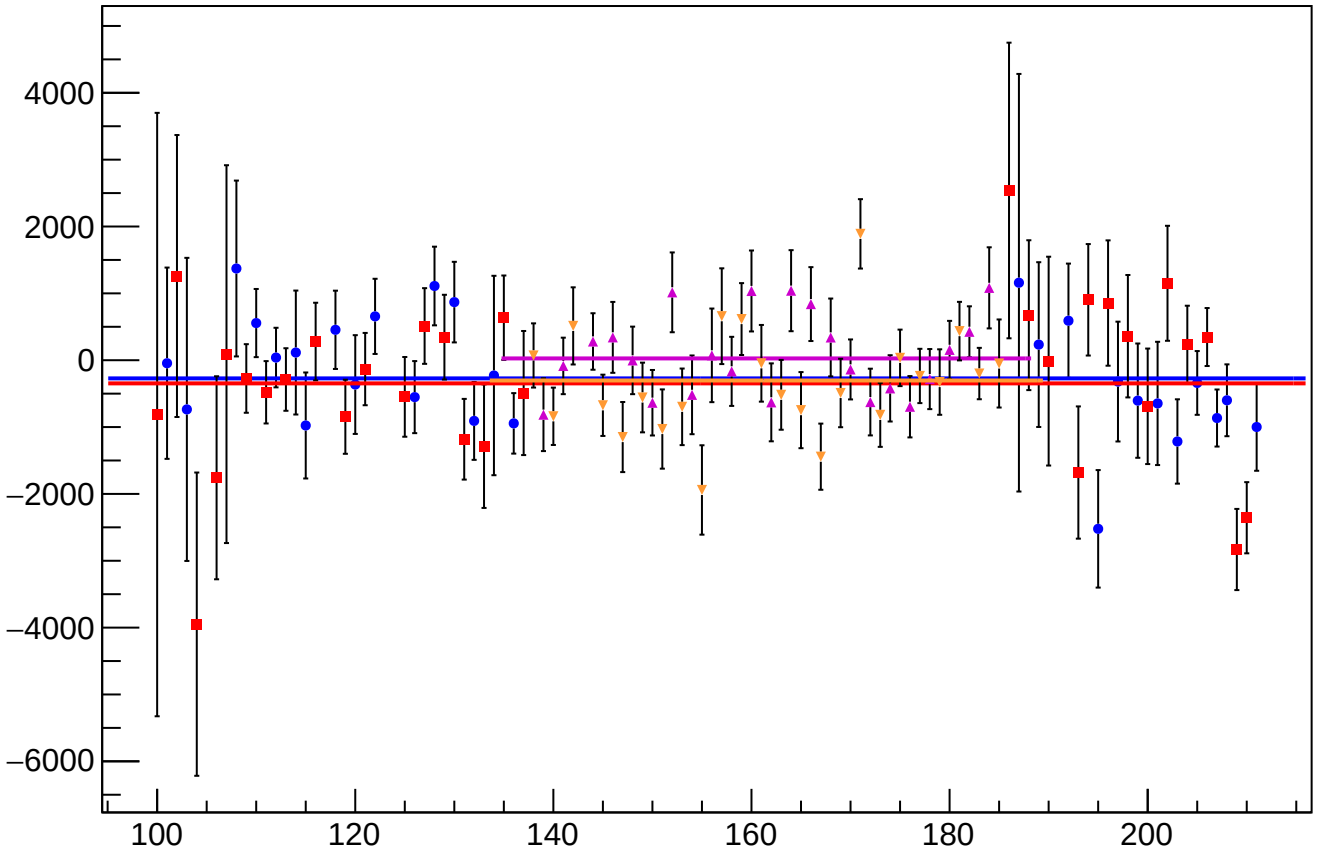
Right Out: 1123.623+/-0.191 χ^2/NDF: 259085.6/30

Left In: 1099.342+/-0.182 χ^2/NDF:44785.7/22

+ sign 1105.721+/-0.132 χ^2/NDF: 691863.0/51

All: 1108.312+/-0.093 χ^2/NDF: 1004978.7/10

- sign 1110.870+/-0.132 χ^2/NDF: 312355.8/53



Right In: -271.948+/-125.404 χ^2/NDF: 36.8/27

Left Out: -303.218+/-102.979 χ^2/NDF:49.5/23

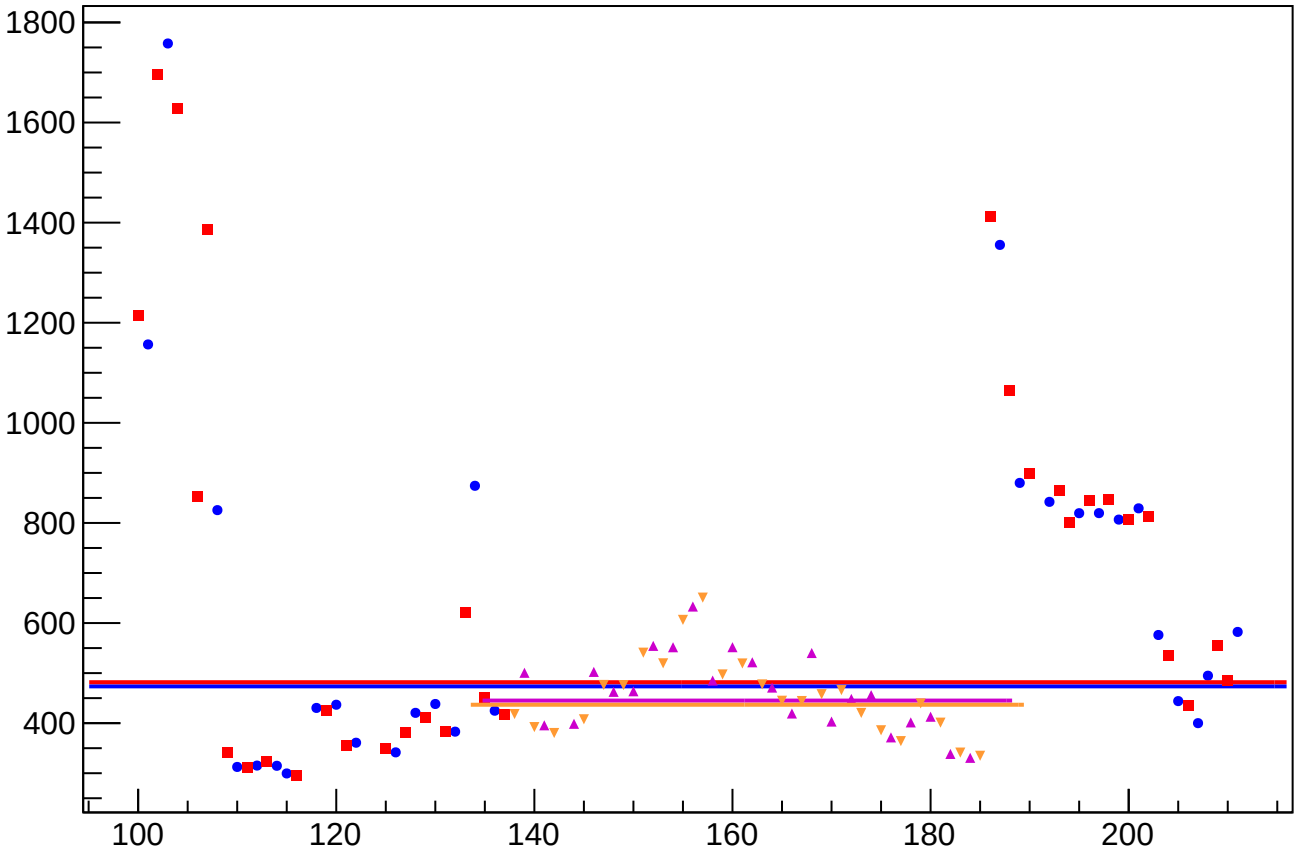
Right Out: -346.455+/-125.959 χ^2/NDF: 61.9/30

Left In: 26.739+/-105.420 χ^2/NDF:27.9/22

+ sign -290.624+/-79.584 χ^2/NDF: 86.4/51

All: -210.090+/-56.714 χ^2/NDF: 183.4/105

- sign -126.990+/-80.842 χ^2/NDF: 94.9/53



Right In: 473.531+/-0.089 χ^2/NDF: 4439372.6/27

Left Out: 436.787+/-0.073 χ^2/NDF:855236.5/23

Right Out: 481.821+/-0.089 χ^2/NDF: 5727419.9/30

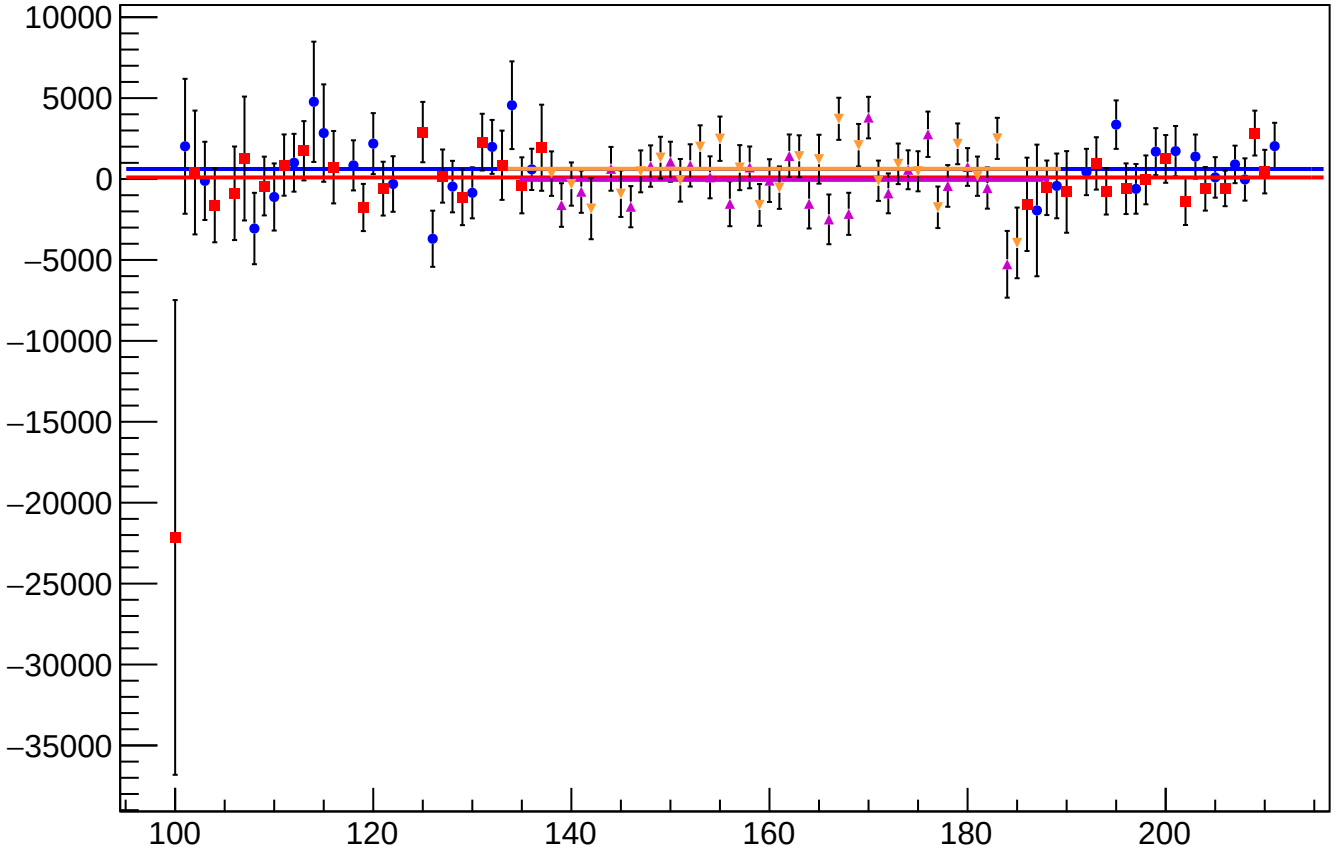
Left In: 445.108+/-0.075 χ^2/NDF:874568.8/22

+ sign 451.586+/-0.056 χ^2/NDF: 5397163.9/51

All: 455.841+/-0.040 χ^2/NDF: 12110687.8/10

- sign 460.232+/-0.057 χ^2/NDF: 6701906.6/53

asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 620.012+/-316.466 χ^2/NDF: 24.3/27

Left Out: 632.875+/-274.060 χ^2/NDF:30.1/23

Right Out: 97.252+/-314.573 χ^2/NDF: 18.7/30

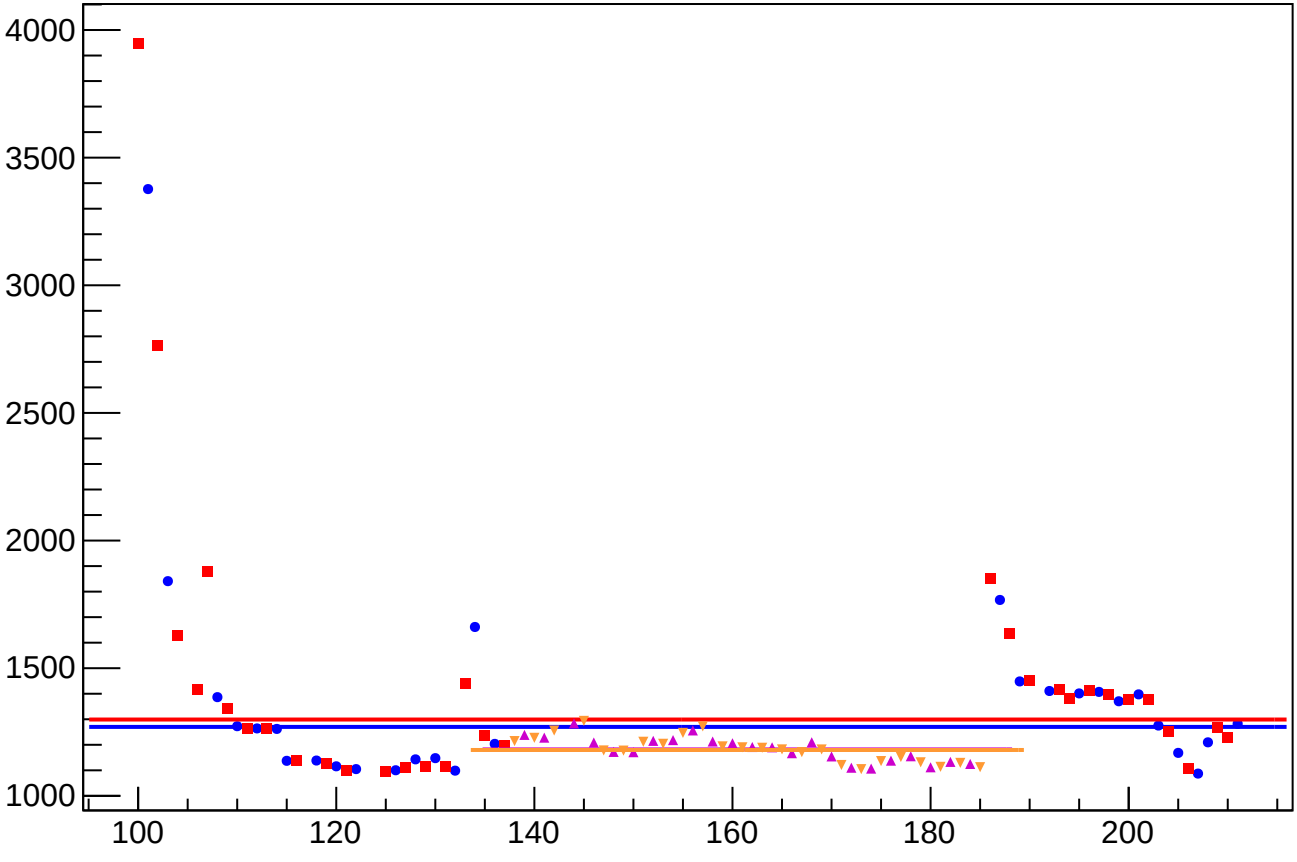
Left In: -50.835+/-276.213 χ^2/NDF:35.0/22

+ sign 627.362+/-207.173 χ^2/NDF: 54.4/51

All: 321.066+/-146.629 χ^2/NDF: 112.7/105

- sign 13.633+/-207.557 χ^2/NDF: 53.9/53

asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1270.055+/-0.224 χ^2/NDF: 977441.3/27

Left Out: 1179.713+/-0.194 χ^2/NDF:64667.7/23

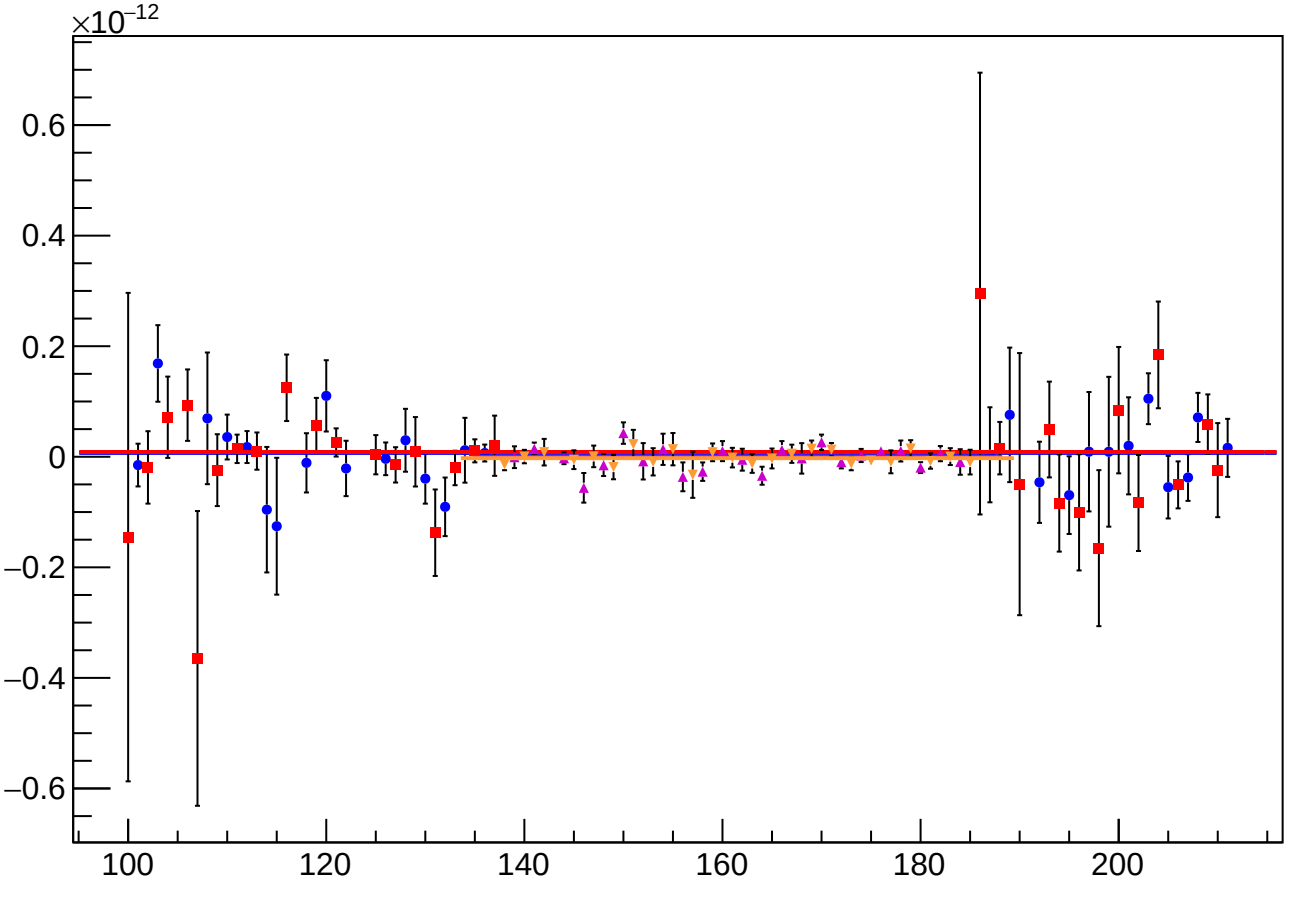
Right Out: 1298.989+/-0.222 χ^2/NDF: 906703.2/30

Left In: 1181.929+/-0.195 χ^2/NDF:60355.9/22

+ sign 1218.430+/-0.146 χ^2/NDF: 1135245.7/51

All: 1225.646+/-0.104 χ^2/NDF: 2263551.5/10

- sign 1232.890+/-0.147 χ^2/NDF: 1123442.9/53



Right In: 0.000+/-0.000 χ^2/NDF: 27.4/27

Left Out: -0.000+/-0.000 χ^2/NDF:10.5/23

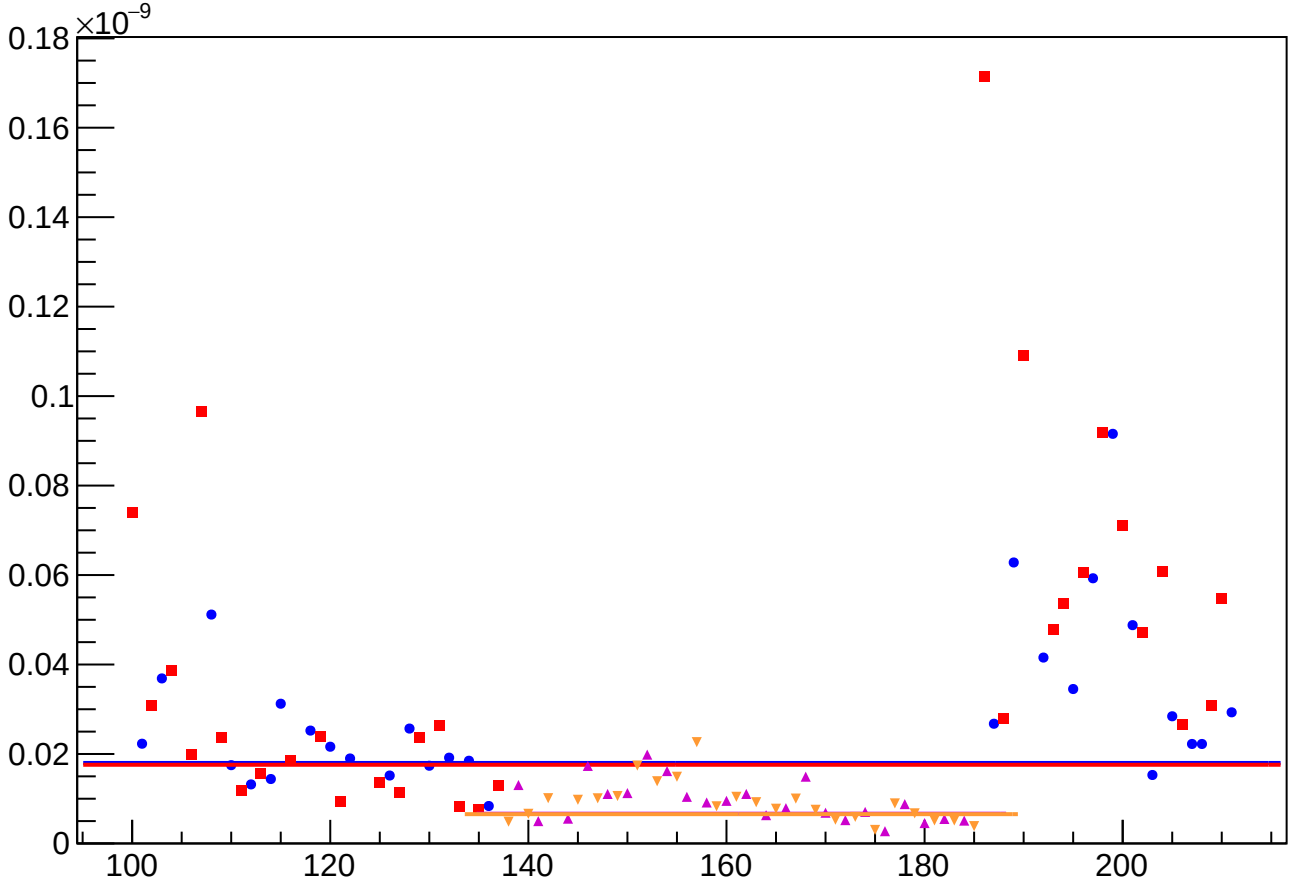
Right Out: 0.000+/-0.000 χ^2/NDF: 27.5/30

Left In: -0.000+/-0.000 χ^2/NDF:32.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 39.0/51

All: -0.000+/-0.000 χ^2/NDF: 100.3/105

- sign 0.000+/-0.000 χ^2/NDF: 61.0/53



Right In: 0.000+/-0.000 χ^2/NDF: 3240965.7/27

Left Out: 0.000+/-0.000 χ^2/NDF:2332749.6/23

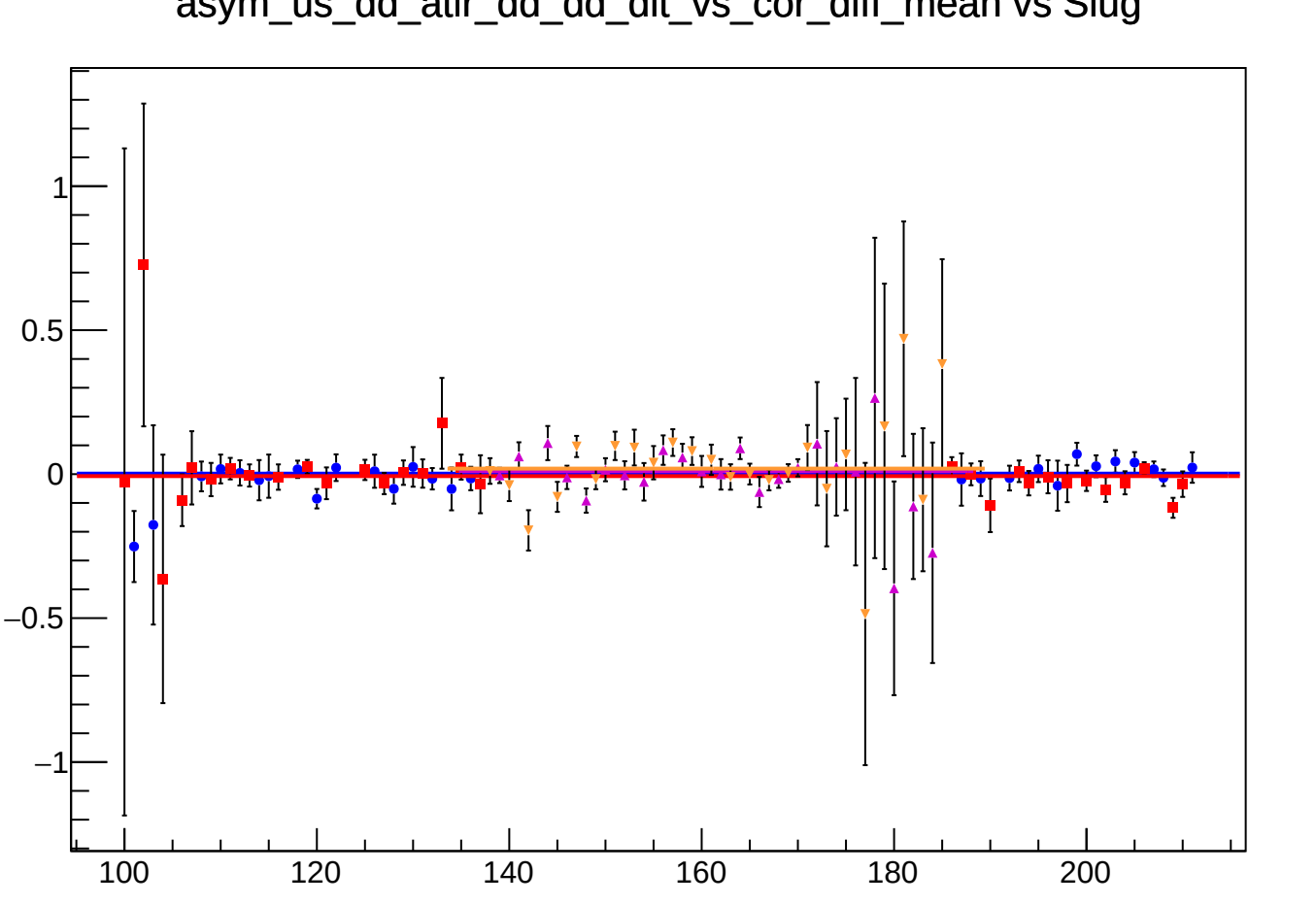
Right Out: 0.000+/-0.000 χ^2/NDF: 5459648.9/30

Left In: 0.000+/-0.000 χ^2/NDF:2542530.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 8789098.2/51

All: 0.000+/-0.000 χ^2/NDF: 19681567.4/105

- sign 0.000+/-0.000 χ^2/NDF: 10891946.3/53



Right In: 0.002+/-0.009 χ^2/NDF: 20.9/27

Left Out: 0.019+/-0.011 χ^2/NDF:35.9/23

Right Out: -0.007+/-0.008 χ^2/NDF: 25.4/30

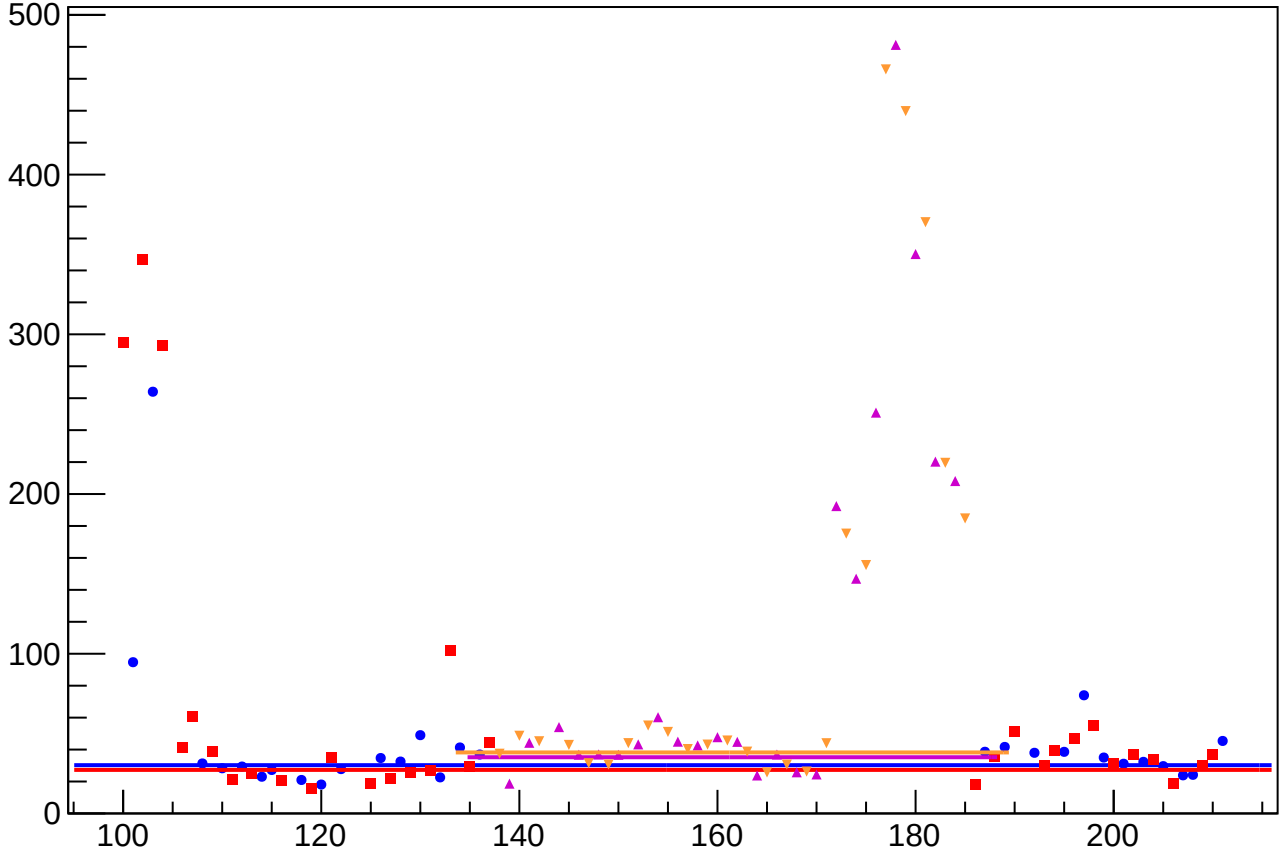
Left In: 0.010+/-0.010 χ^2/NDF:23.6/22

+ sign 0.008+/-0.007 χ^2/NDF: 58.5/51

All: 0.004+/-0.005 χ^2/NDF: 110.3/105

- sign -0.001+/-0.006 χ^2/NDF: 50.8/53

asym_us_dd_atlr_dd_dd_dit_vs_cor_diff_rms vs Slug



Right In: 30.232+/-0.006 χ^2/NDF: 3415888.1/27

Left Out: 38.211+/-0.008 χ^2/NDF:8285024.8/23

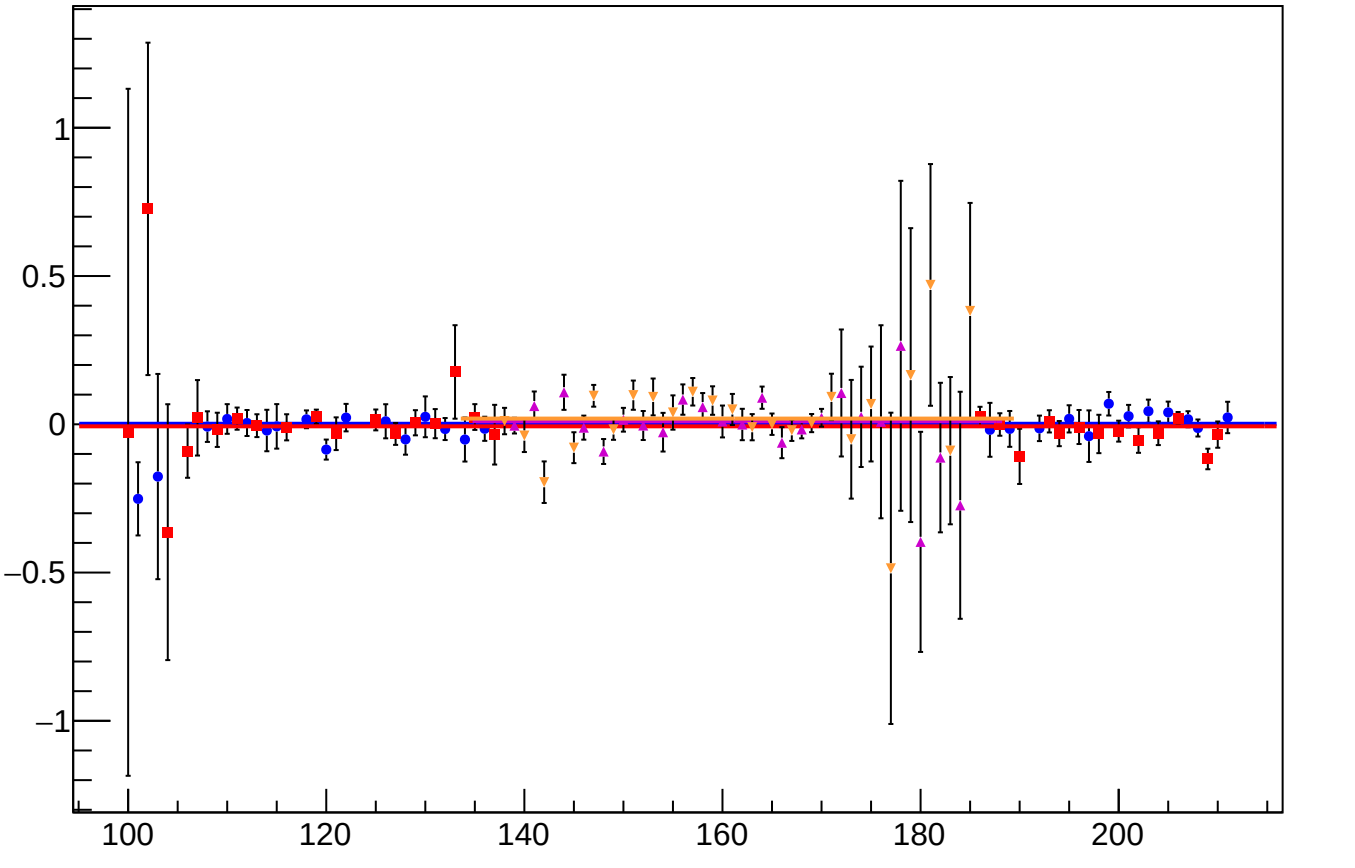
Right Out: 27.273+/-0.005 χ^2/NDF: 4818605.0/30

Left In: 35.195+/-0.007 χ^2/NDF:9390926.6/22

+ sign 33.284+/-0.005 χ^2/NDF: 12374021.5/51

All: 31.593+/-0.003 χ^2/NDF: 27580428.6/105

- sign 30.147+/-0.004 χ^2/NDF: 14968960.4/53



Right In: 0.002+/-0.009 χ^2/NDF: 20.9/27

Left Out: 0.019+/-0.011 χ^2/NDF:35.9/23

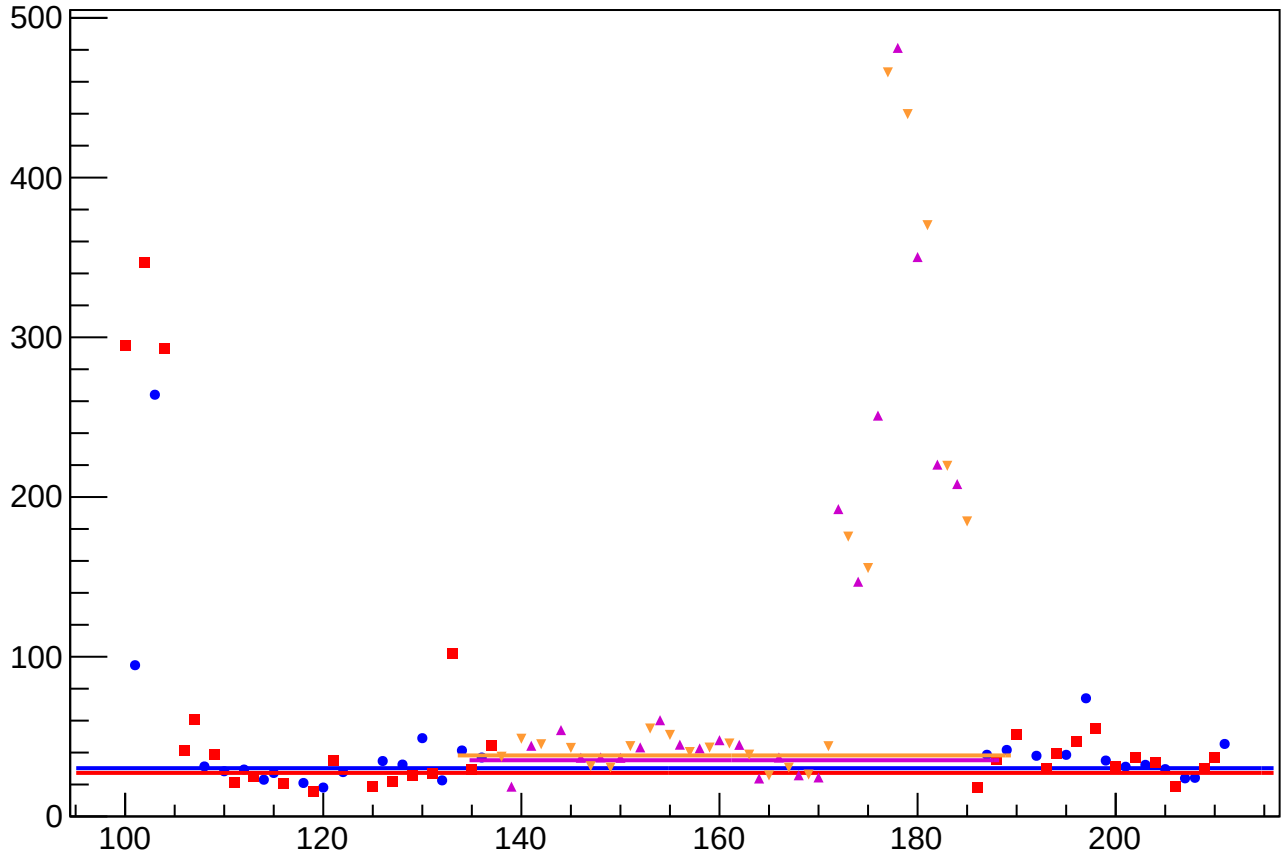
Right Out: -0.007+/-0.008 χ^2/NDF: 25.4/30

Left In: 0.010+/-0.010 χ^2/NDF:23.6/22

+ sign 0.008+/-0.007 χ^2/NDF: 58.5/51

All: 0.004+/-0.005 χ^2/NDF: 110.3/105

- sign -0.001+/-0.006 χ^2/NDF: 50.8/53



Right In: 30.232+/-0.006 χ^2/NDF: 3415888.1/27

Left Out: 38.211+/-0.008 χ^2/NDF:8285024.8/23

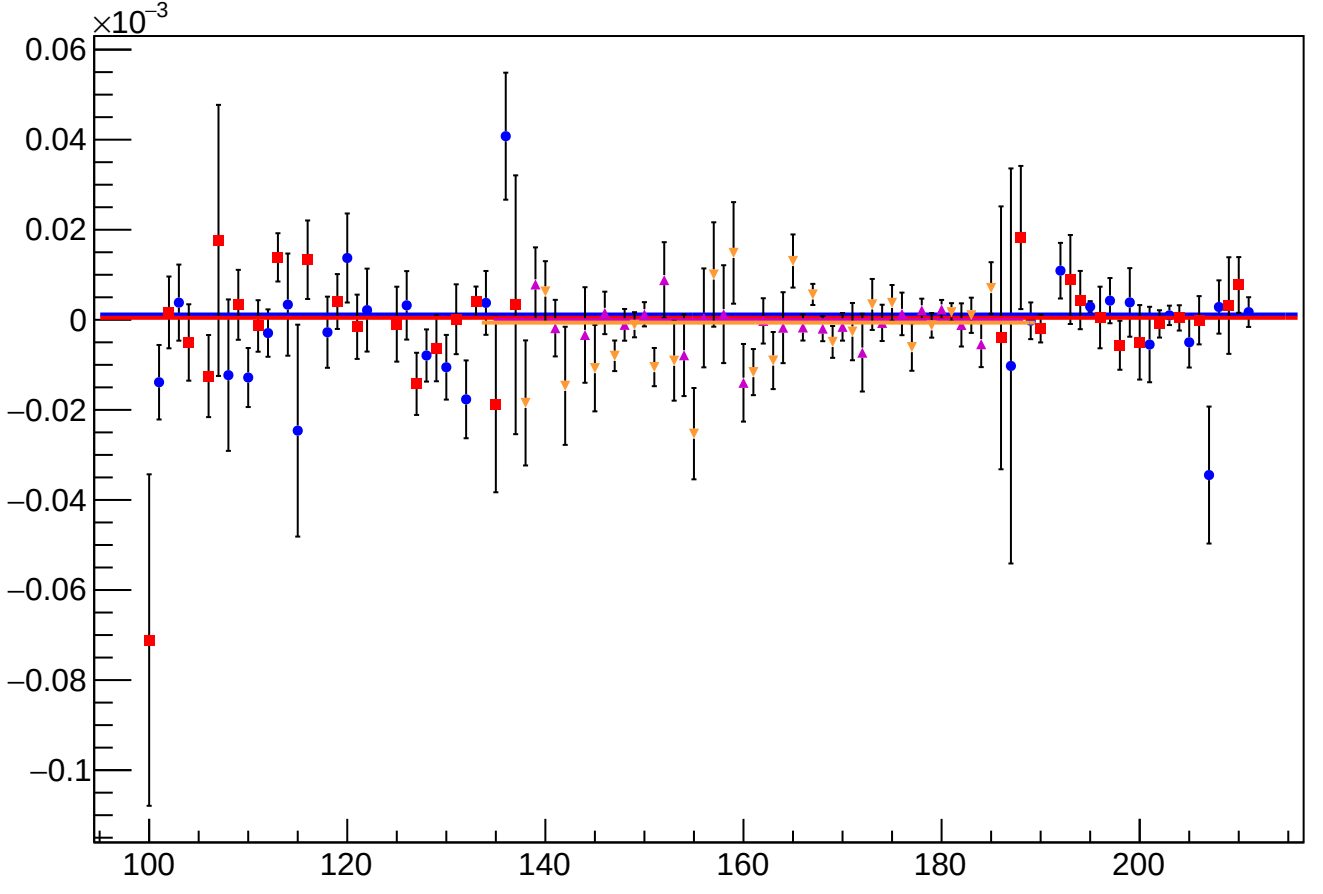
Right Out: 27.273+/-0.005 χ^2/NDF: 4818605.0/30

Left In: 35.195+/-0.007 χ^2/NDF:9390926.6/22

+ sign 33.284+/-0.005 χ^2/NDF: 12374021.5/51

All: 31.593+/-0.003 χ^2/NDF: 27580428.6/105

- sign 30.147+/-0.004 χ^2/NDF: 14968960.4/53



Right In: 0.000+/-0.000 χ^2/NDF: 43.0/27

Left Out: -0.000+/-0.000 χ^2/NDF:51.2/23

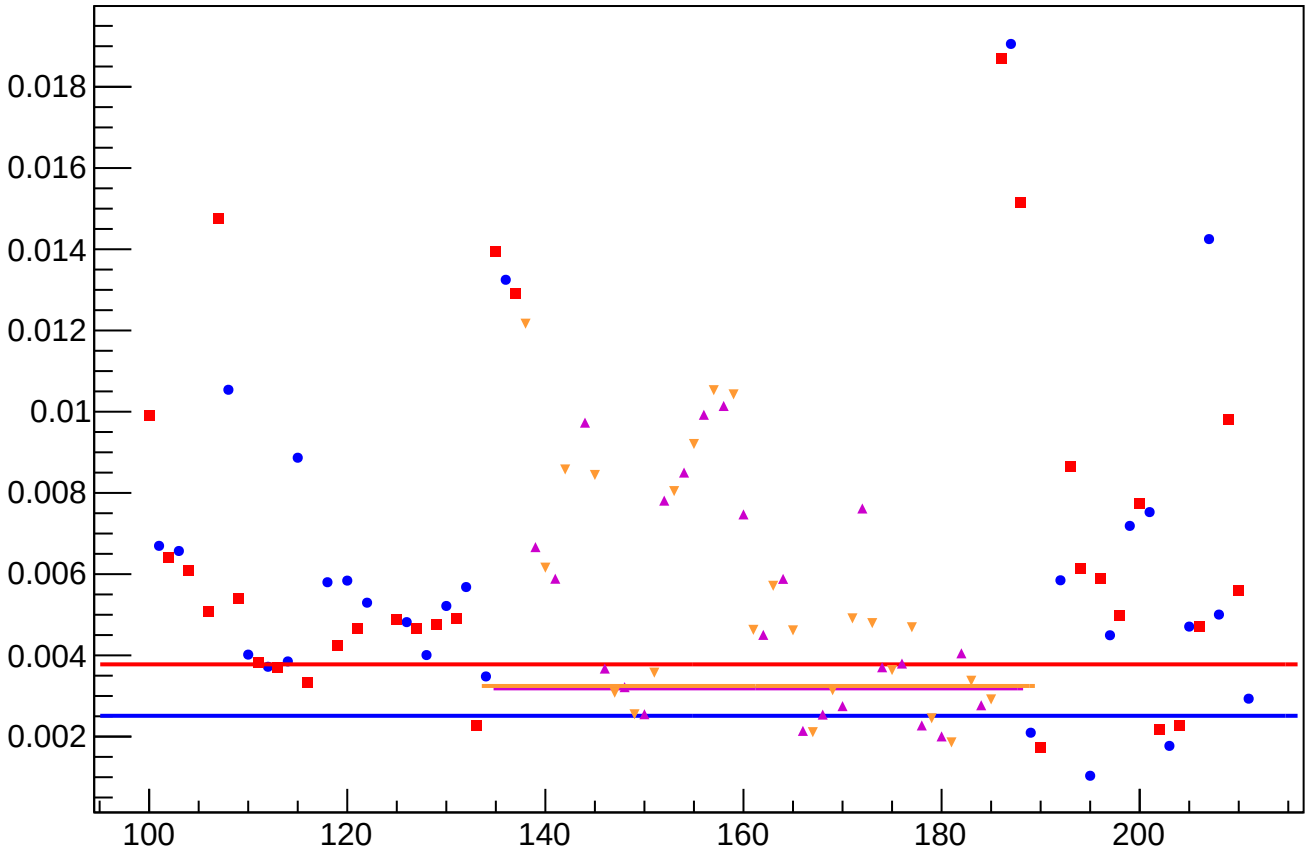
Right Out: 0.000+/-0.000 χ^2/NDF: 29.5/30

Left In: -0.000+/-0.000 χ^2/NDF:11.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 96.4/51

All: 0.000+/-0.000 χ^2/NDF: 137.1/105

- sign 0.000+/-0.000 χ^2/NDF: 40.6/53



Right In: 0.003+/-0.000 χ^2/NDF: 12361676.4/27

Left Out: 0.003+/-0.000 χ^2/NDF:7736973.1/23

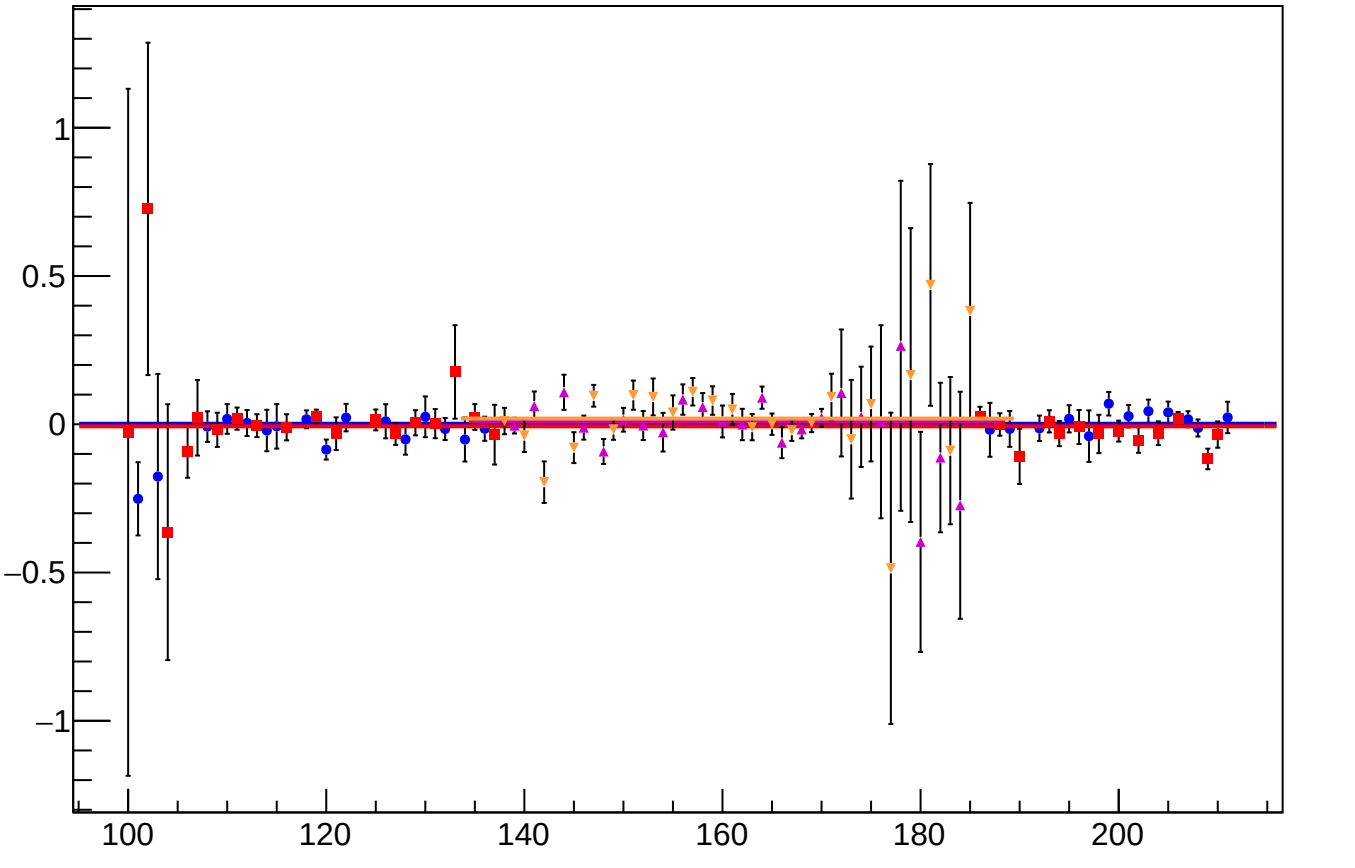
Right Out: 0.004+/-0.000 χ^2/NDF: 8064377.7/30

Left In: 0.003+/-0.000 χ^2/NDF:7301771.9/22

+ sign 0.003+/-0.000 χ^2/NDF: 20847540.5/51

All: 0.003+/-0.000 χ^2/NDF: 37338590.8/105

- sign 0.003+/-0.000 χ^2/NDF: 15735157.3/53



Right In: 0.002+/-0.009 χ^2/NDF: 20.9/27

Left Out: 0.019+/-0.011 χ^2/NDF:35.9/23

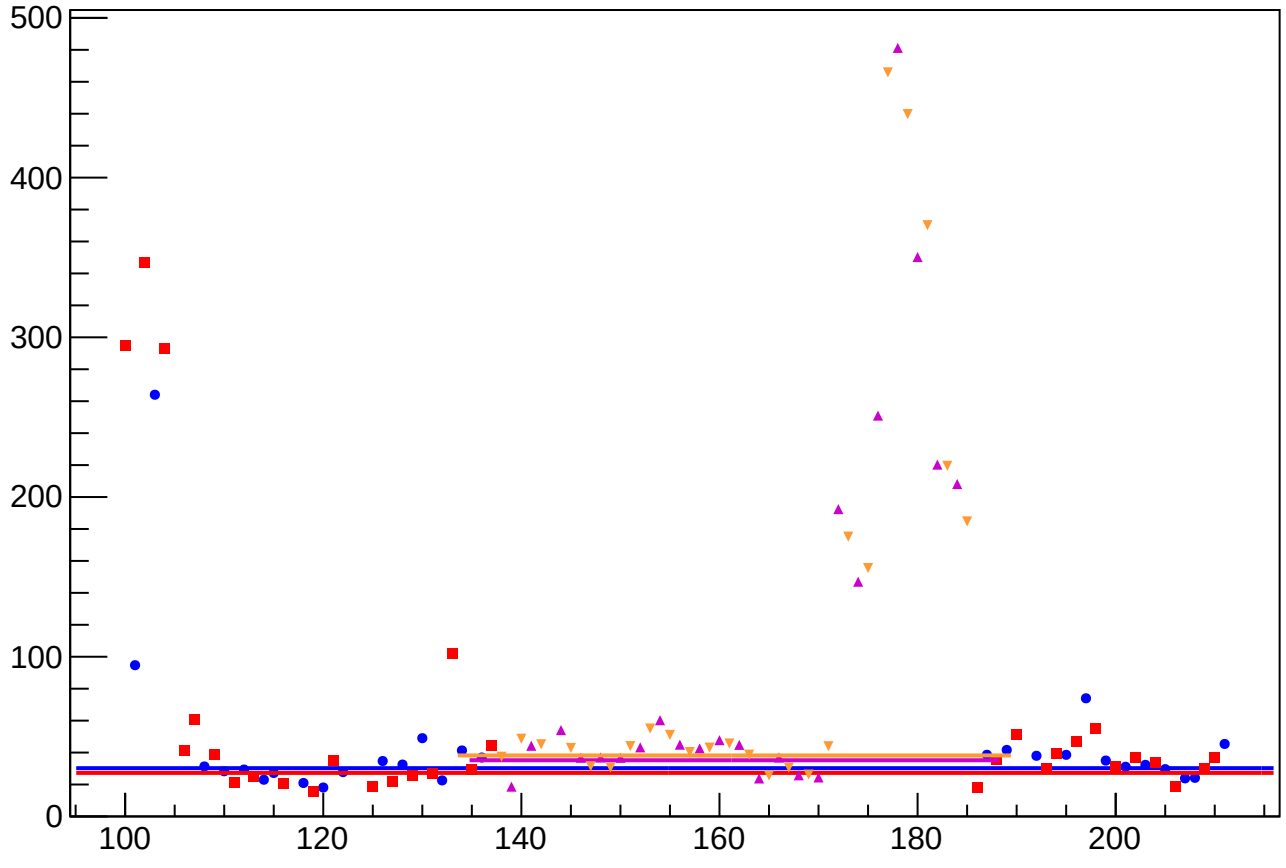
Right Out: -0.007+/-0.008 χ^2/NDF: 25.4/30

Left In: 0.010+/-0.010 χ^2/NDF:23.6/22

+ sign 0.008+/-0.007 χ^2/NDF: 58.4/51

All: 0.004+/-0.005 χ^2/NDF: 110.3/105

- sign -0.001+/-0.006 χ^2/NDF: 50.8/53



Right In: 30.231+/-0.006 χ^2/NDF: 3416174.3/27

Left Out: 38.210+/-0.008 χ^2/NDF:8285200.7/23

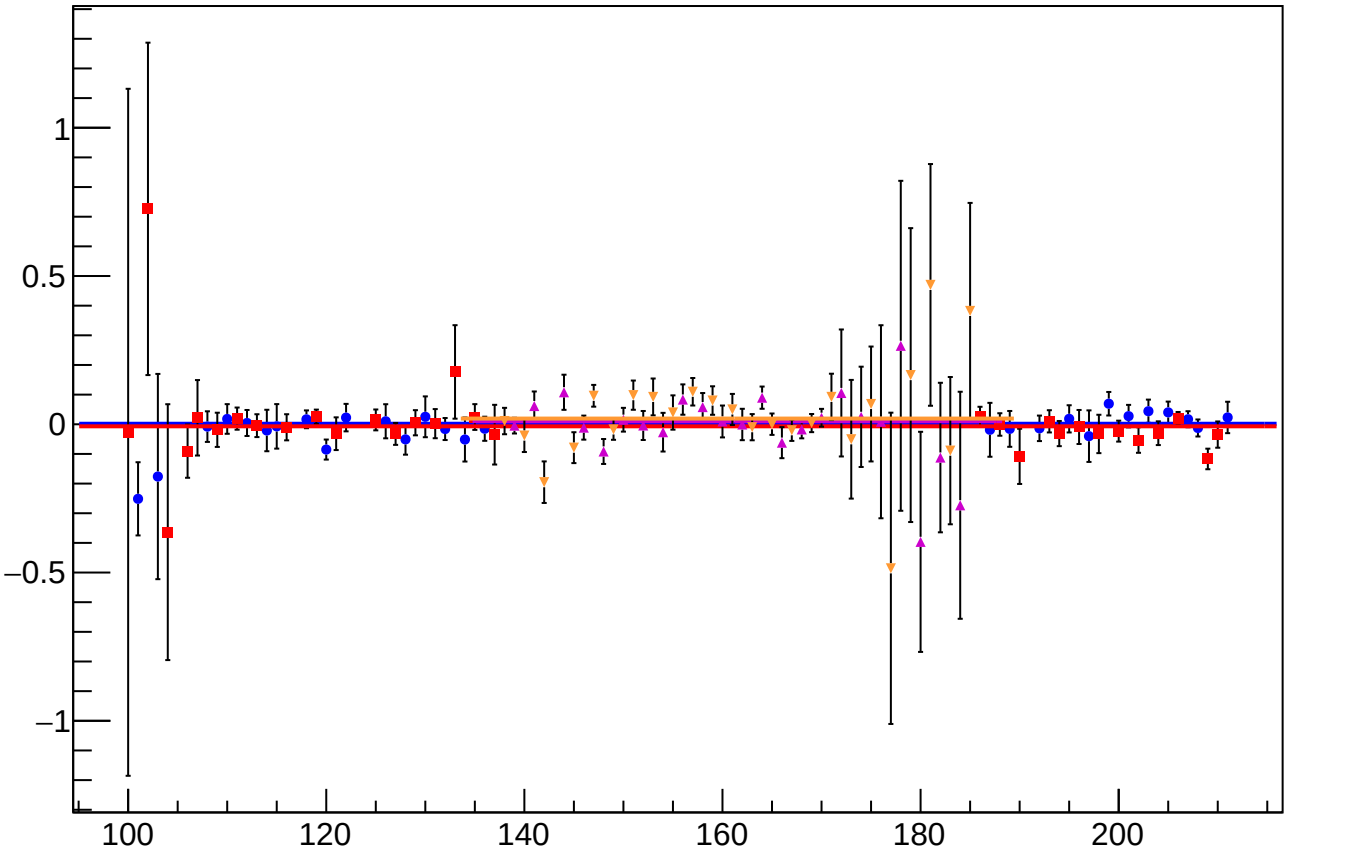
Right Out: 27.271+/-0.005 χ^2/NDF: 4818878.0/30

Left In: 35.195+/-0.007 χ^2/NDF:9391361.4/22

+ sign 33.283+/-0.005 χ^2/NDF: 12374671.1/51

All: 31.592+/-0.003 χ^2/NDF: 27582018.6/105

- sign 30.146+/-0.004 χ^2/NDF: 14969886.2/53



Right In: 0.002+/-0.009 χ^2/NDF: 20.9/27

Left Out: 0.019+/-0.011 χ^2/NDF:35.9/23

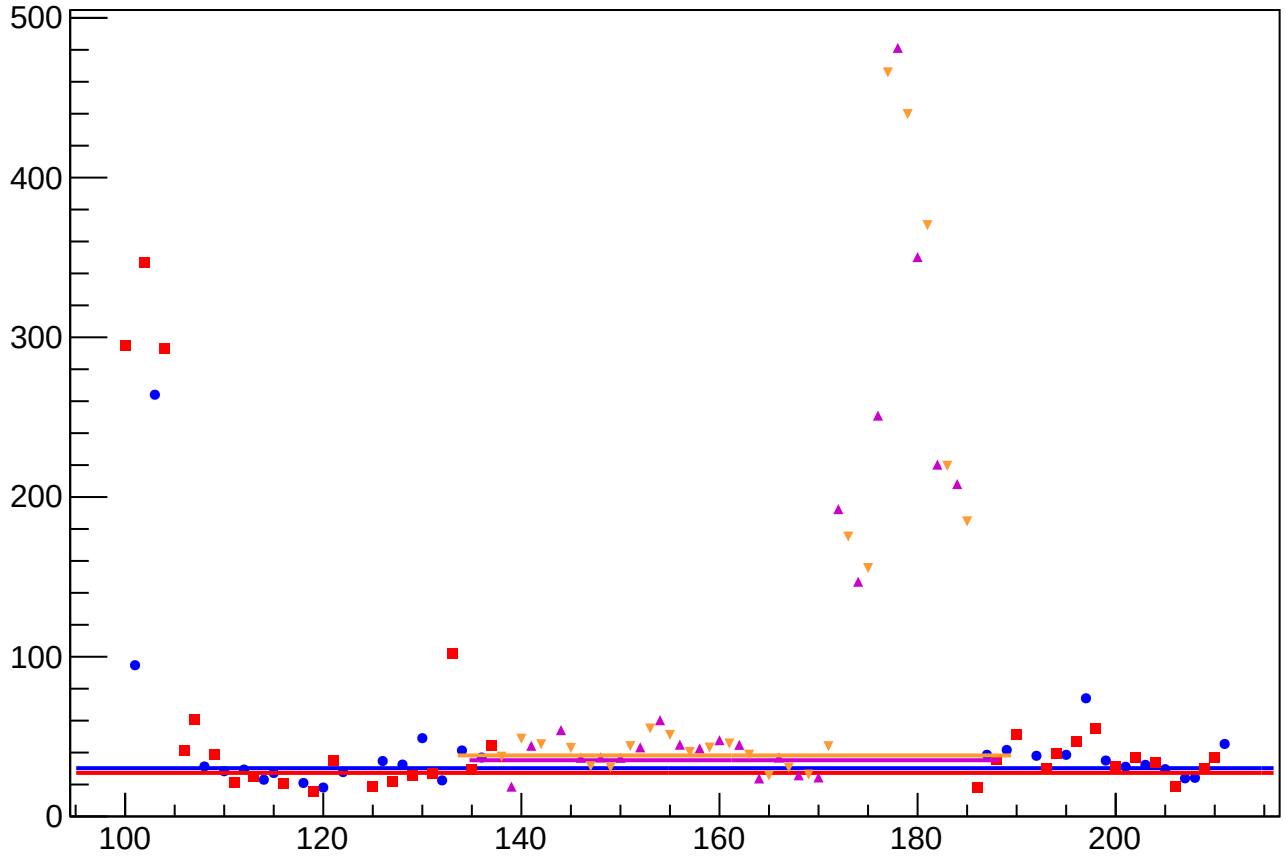
Right Out: -0.007+/-0.008 χ^2/NDF: 25.4/30

Left In: 0.010+/-0.010 χ^2/NDF:23.6/22

+ sign 0.008+/-0.007 χ^2/NDF: 58.4/51

All: 0.004+/-0.005 χ^2/NDF: 110.3/105

- sign -0.001+/-0.006 χ^2/NDF: 50.8/53



Right In: 30.231+/-0.006 χ^2/NDF: 3416174.3/27

Left Out: 38.210+/-0.008 χ^2/NDF:8285200.7/23

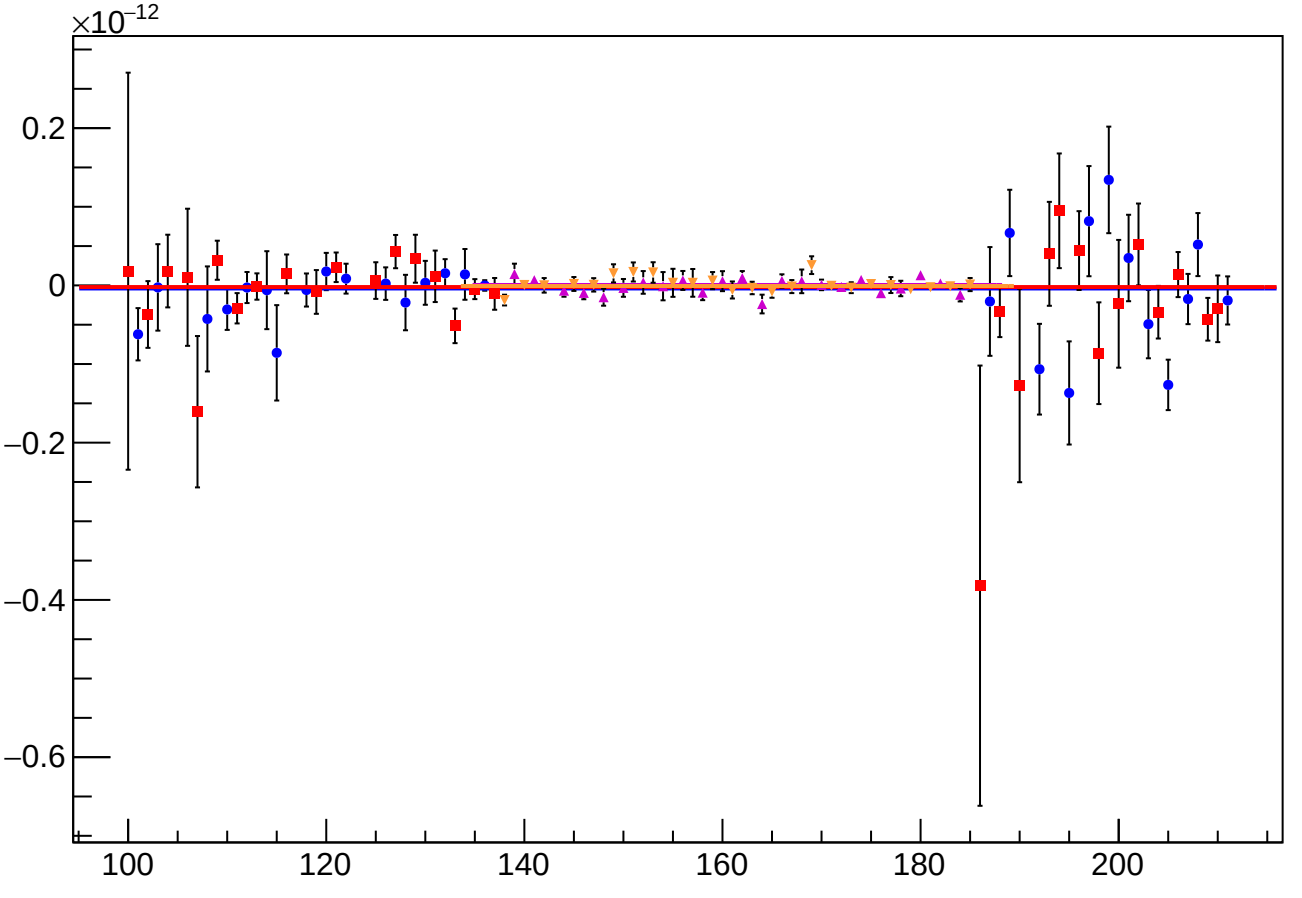
Right Out: 27.271+/-0.005 χ^2/NDF: 4818878.0/30

Left In: 35.195+/-0.007 χ^2/NDF:9391361.4/22

+ sign 33.283+/-0.005 χ^2/NDF: 12374671.1/51

All: 31.592+/-0.003 χ^2/NDF: 27582018.6/105

- sign 30.146+/-0.004 χ^2/NDF: 14969886.2/53



Right In: -0.000+/-0.000 χ^2/NDF: 43.0/27

Left Out: -0.000+/-0.000 χ^2/NDF:21.1/23

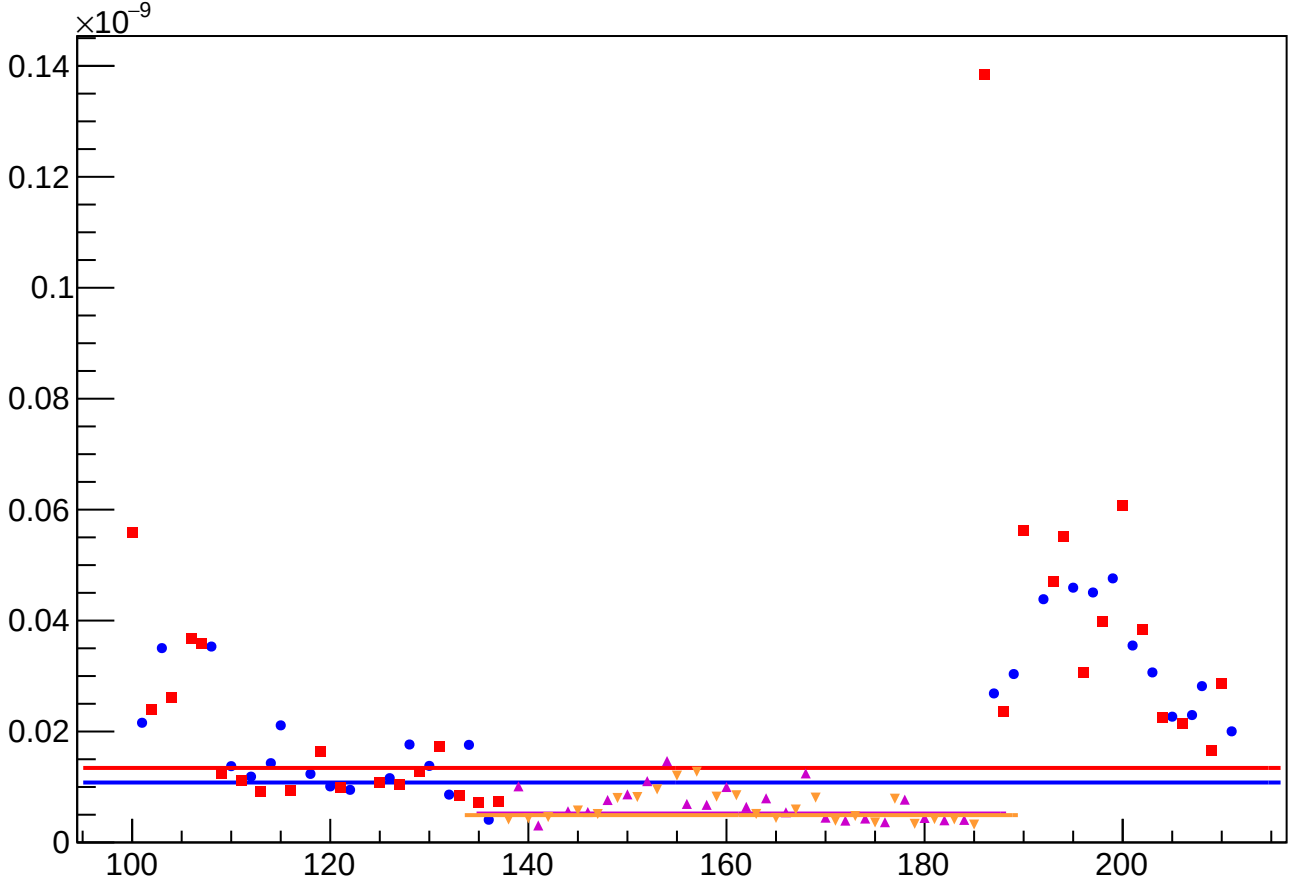
Right Out: -0.000+/-0.000 χ^2/NDF: 34.8/30

Left In: 0.000+/-0.000 χ^2/NDF:26.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 64.5/51

All: -0.000+/-0.000 χ^2/NDF: 126.2/105

- sign 0.000+/-0.000 χ^2/NDF: 61.3/53



Right In: 0.000+/-0.000 χ^2/NDF: 7822633.9/27

Left Out: 0.000+/-0.000 χ^2/NDF:2632036.7/23

Right Out: 0.000+/-0.000 χ^2/NDF: 6039117.9/30

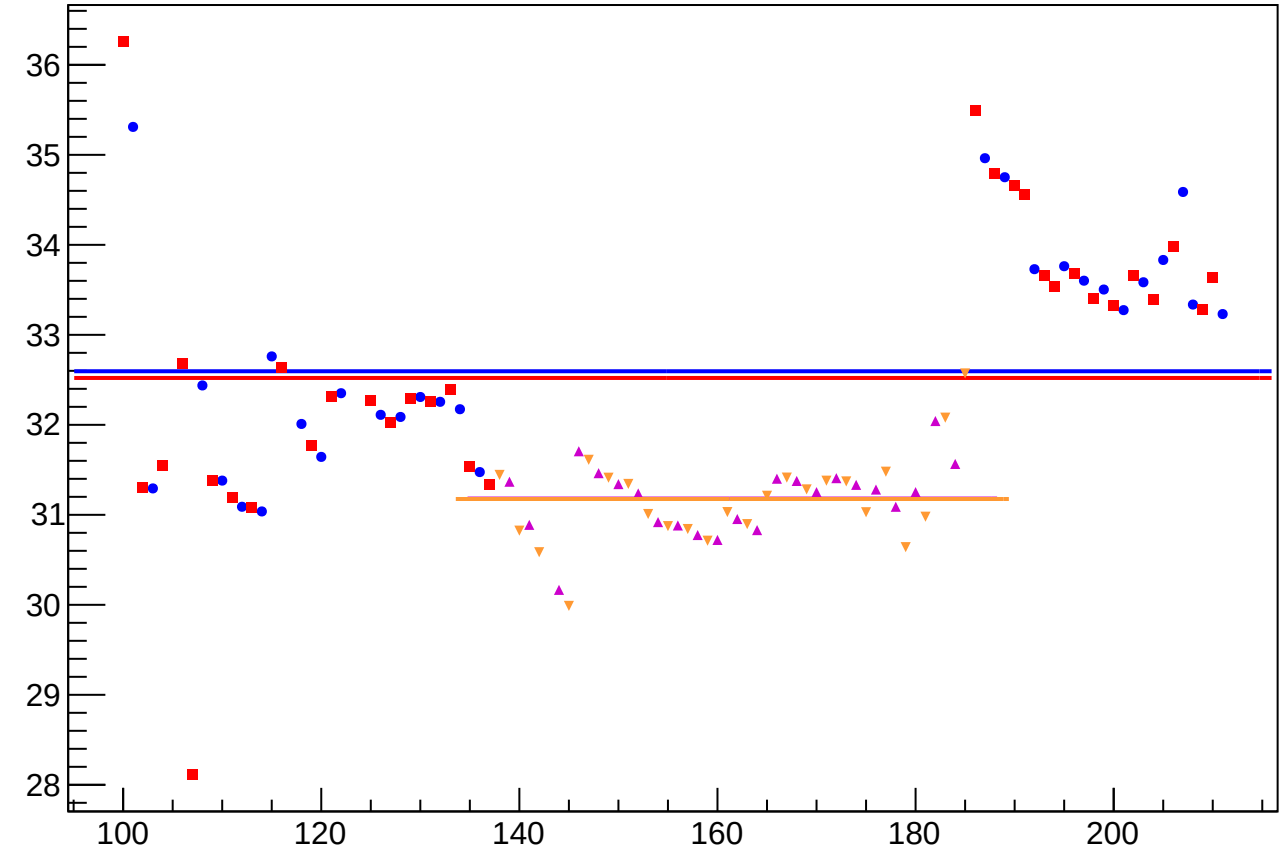
Left In: 0.000+/-0.000 χ^2/NDF:3449719.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 13517678.7/51

All: 0.000+/-0.000 χ^2/NDF: 27766244.7/105

- sign 0.000+/-0.000 χ^2/NDF: 14174664.0/53

yield_usl_mean vs Slug



Right In: 32.595+/-0.000 χ^2/NDF: 2284174905.9/27

Left Out: 31.176+/-0.000 χ^2/NDF:529824418.6/23

Right Out: 32.521+/-0.000 χ^2/NDF: 2180603008.9/31

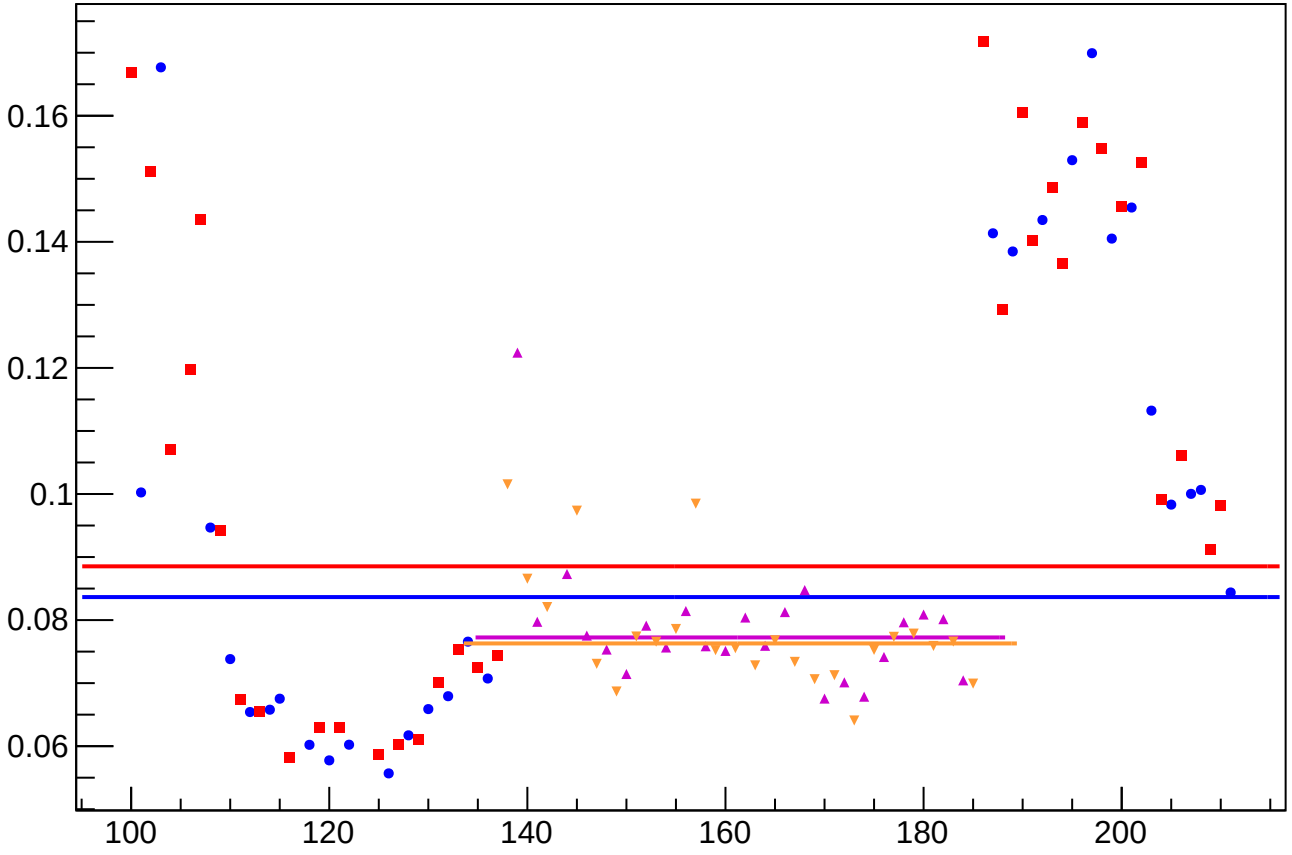
Left In: 31.181+/-0.000 χ^2/NDF:376263410.1/22

+ sign 31.756+/-0.000 χ^2/NDF: 5183529053.0/51

All: 31.742+/-0.000 χ^2/NDF: 9771862479.3/1

- sign 31.728+/-0.000 χ^2/NDF: 4586434325.5/54

yield_usl_rms vs Slug



Right In: 0.084+/-0.000 χ^2/NDF: 3444380.6/27

Left Out: 0.076+/-0.000 χ^2/NDF:356697.3/23

Right Out: 0.089+/-0.000 χ^2/NDF: 3957569.9/31

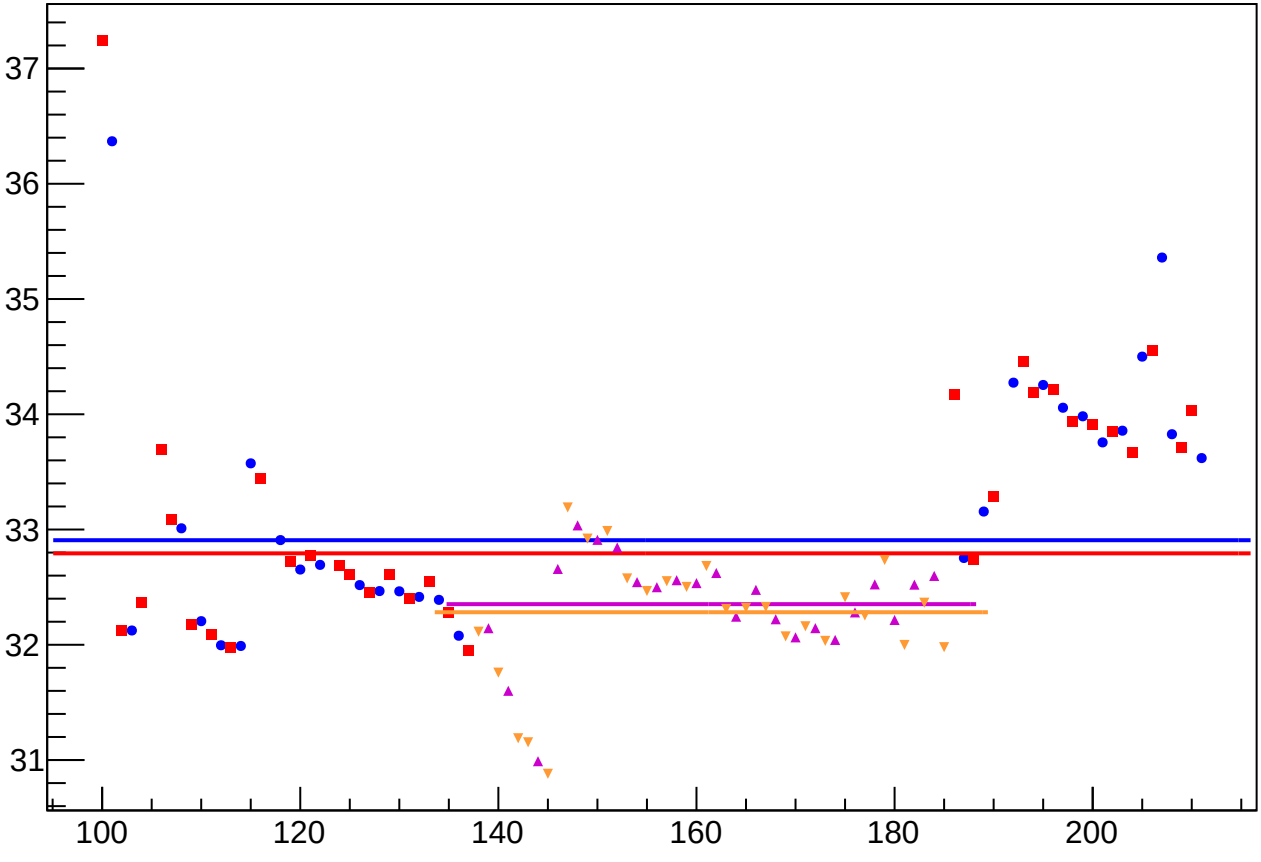
Left In: 0.077+/-0.000 χ^2/NDF:365206.5/22

+ sign 0.079+/-0.000 χ^2/NDF: 3928310.2/51

All: 0.081+/-0.000 χ^2/NDF: 8569753.8/106

- sign 0.082+/-0.000 χ^2/NDF: 4610454.9/54

yield_usr_mean vs Slug



Right In: 32.907+/-0.000 χ^2/NDF: 1154189809.0/27

Left Out: 32.282+/-0.000 χ^2/NDF:838959313.2/24

Right Out: 32.793+/-0.000 χ^2/NDF: 582793362.0/31

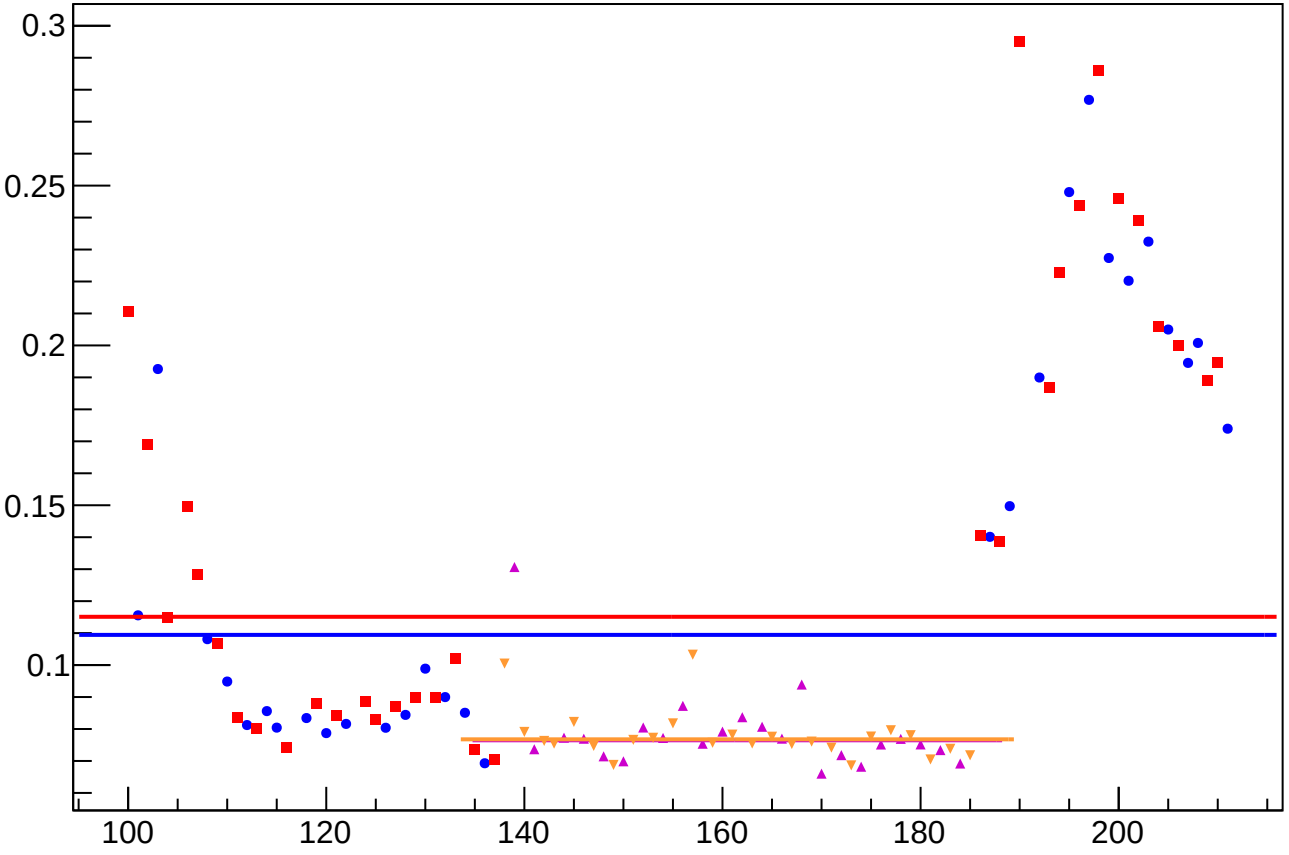
Left In: 32.353+/-0.000 χ^2/NDF:589893462.0/22

+ sign 32.445+/-0.000 χ^2/NDF: 2298665786.5/52

All: 32.457+/-0.000 χ^2/NDF: 3620919812.2/1

- sign 32.470+/-0.000 χ^2/NDF: 1321091763.1/54

yield_usr_rms vs Slug



Right In: 0.109+/-0.000 χ^2/NDF: 5566033.6/27

Left Out: 0.077+/-0.000 χ^2/NDF:250795.7/24

Right Out: 0.115+/-0.000 χ^2/NDF: 5694372.5/31

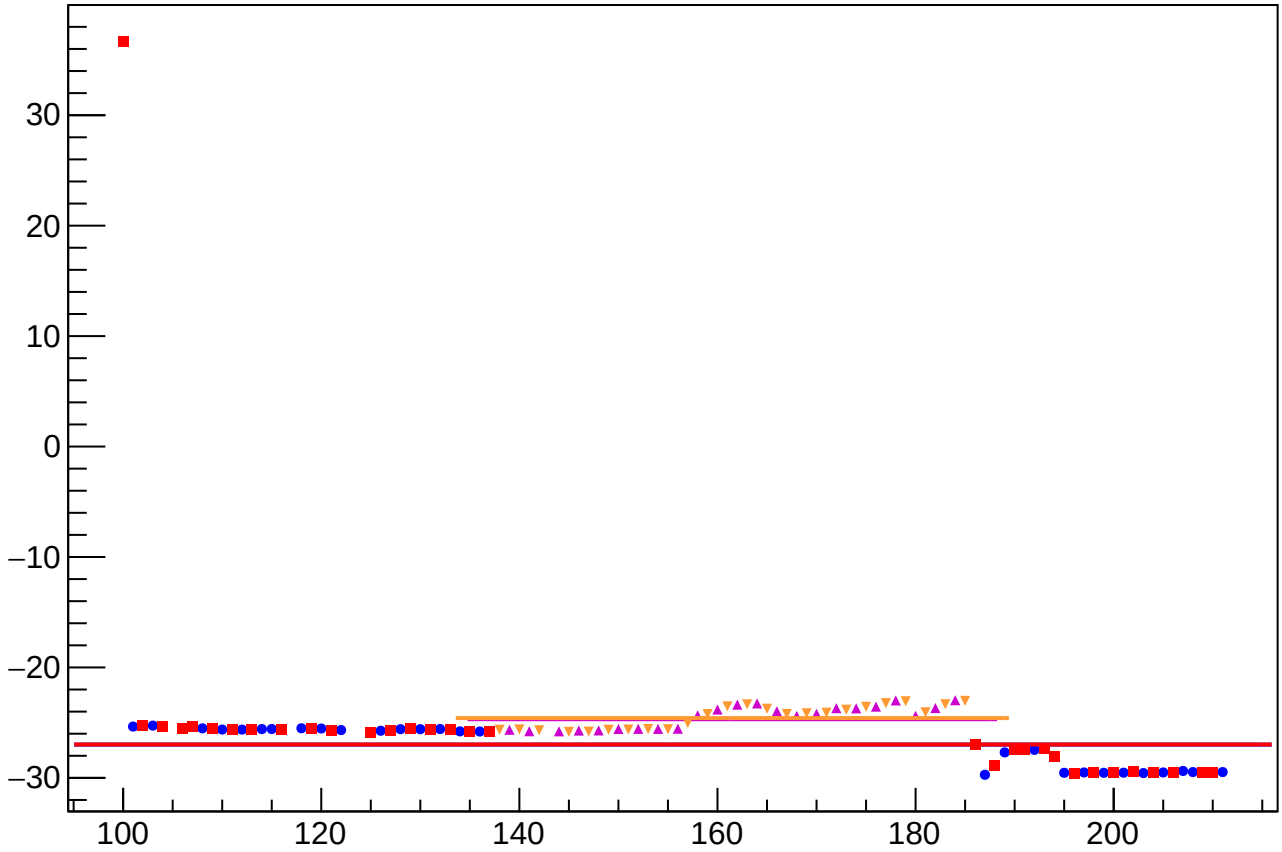
Left In: 0.076+/-0.000 χ^2/NDF:482593.3/22

+ sign 0.085+/-0.000 χ^2/NDF: 7487542.4/52

All: 0.086+/-0.000 χ^2/NDF: 15953987.5/107

- sign 0.087+/-0.000 χ^2/NDF: 8458232.6/54

yield_dsl_mean vs Slug



Right In: -26.989+/-0.000 χ^2/NDF: 22245265629.4/27

Left Out: -24.587+/-0.000 χ^2/NDF:9182387434.6/23

Right Out: -26.977+/-0.000 χ^2/NDF: 30878597864.1/31

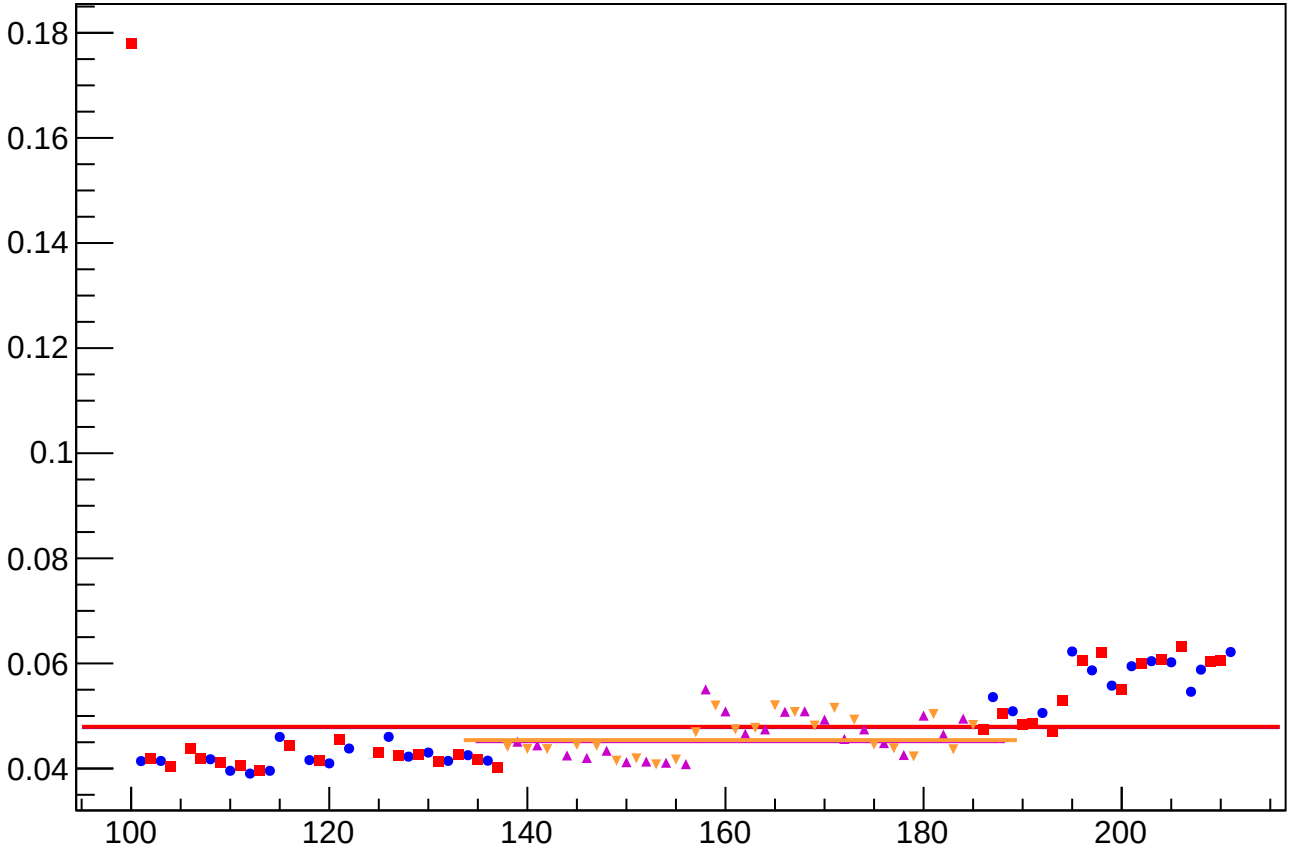
Left In: -24.689+/-0.000 χ^2/NDF:8820957974.3/22

+ sign -25.644+/-0.000 χ^2/NDF: 53580780016.2/51

All: -25.693+/-0.000 χ^2/NDF: 114322248307

- sign -25.740+/-0.000 χ^2/NDF: 60667674360.0/54

yield_dsl_rms vs Slug



Right In: 0.048+/-0.000 χ^2/NDF: 882119.0/27

Left Out: 0.045+/-0.000 χ^2/NDF:205535.7/23

Right Out: 0.048+/-0.000 χ^2/NDF: 990984.2/31

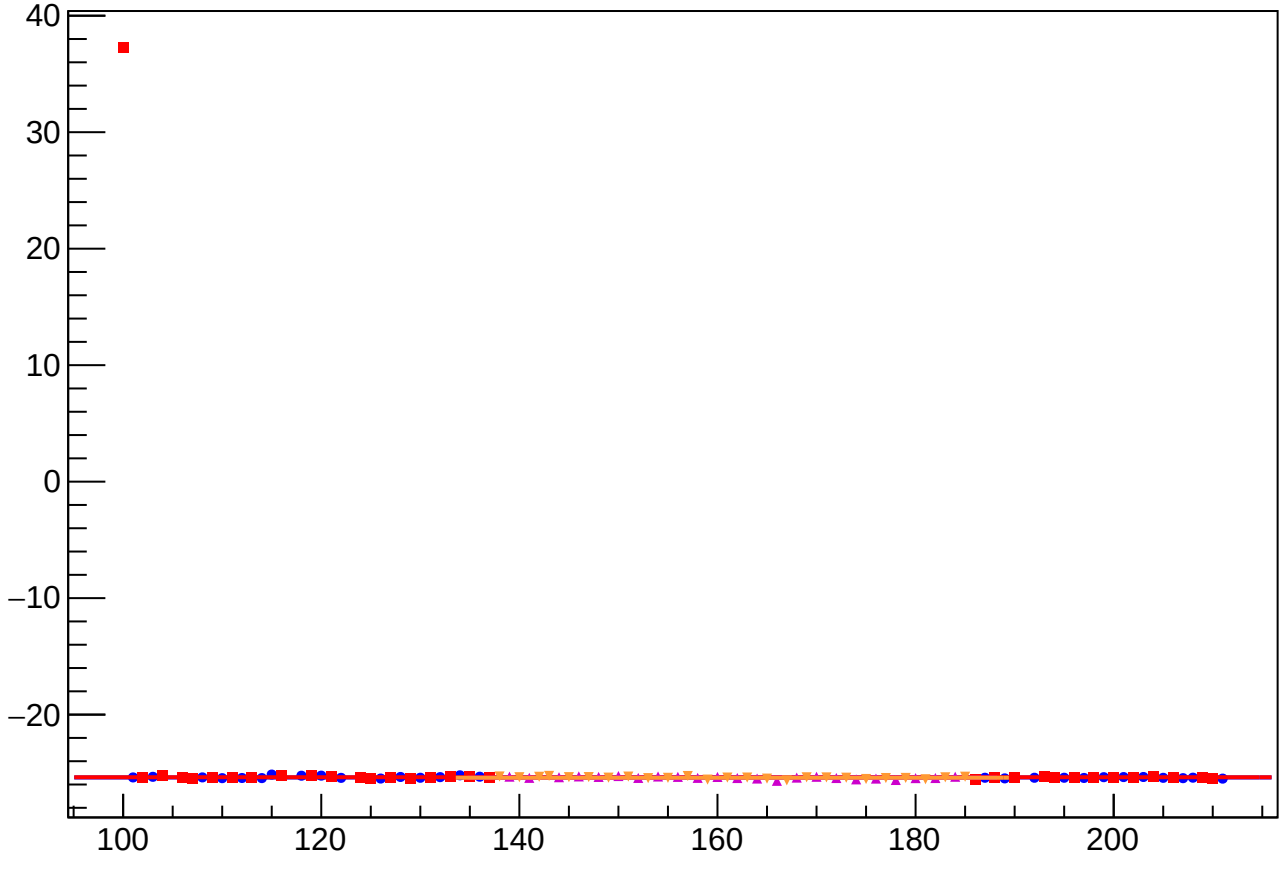
Left In: 0.045+/-0.000 χ^2/NDF:244675.5/22

+ sign 0.046+/-0.000 χ^2/NDF: 1134865.4/51

All: 0.046+/-0.000 χ^2/NDF: 2430454.1/106

- sign 0.046+/-0.000 χ^2/NDF: 1295570.0/54

yield_dsr_mean vs Slug



Right In: -25.397+/-0.000 χ^2/NDF: 24446720.7/27

Left Out: -25.417+/-0.000 χ^2/NDF:52213098.9/24

Right Out: -25.376+/-0.000 χ^2/NDF: 6337618753.4/31

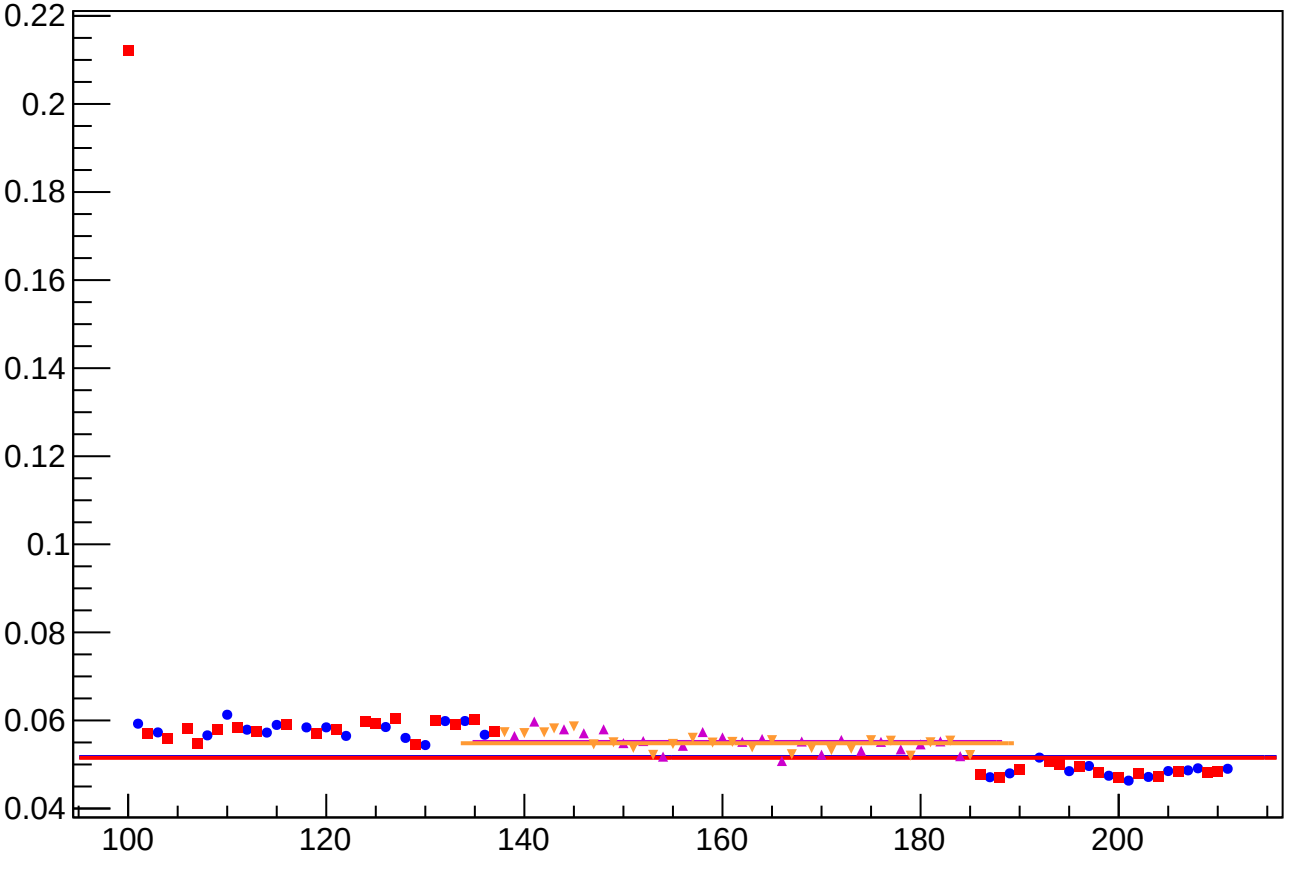
Left In: -25.414+/-0.000 χ^2/NDF:55851916.1/22

+ sign -25.407+/-0.000 χ^2/NDF: 77864535.0/52

All: -25.401+/-0.000 χ^2/NDF: 6476746251.7/

- sign -25.394+/-0.000 χ^2/NDF: 6397874624.2/54

yield_dsr_rms vs Slug



Right In: 0.052+/-0.000 χ^2/NDF: 257997.4/27

Left Out: 0.055+/-0.000 χ^2/NDF:38095.1/24

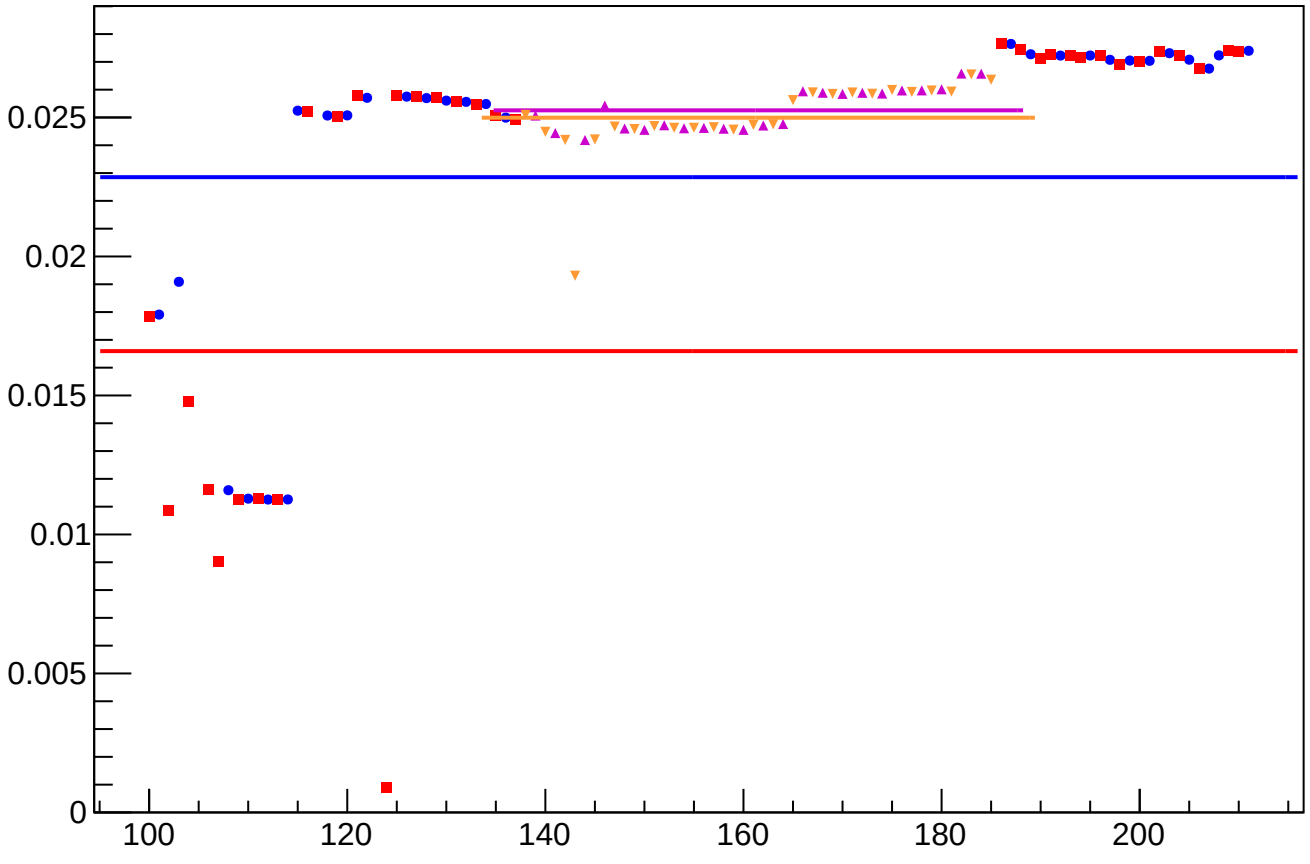
Right Out: 0.052+/-0.000 χ^2/NDF: 368890.3/31

Left In: 0.055+/-0.000 χ^2/NDF:51531.3/22

+ sign 0.053+/-0.000 χ^2/NDF: 355708.1/52

All: 0.053+/-0.000 χ^2/NDF: 855913.0/107

- sign 0.053+/-0.000 χ^2/NDF: 500135.2/54



Right In: 0.023+/-0.000 χ^2/NDF: 95406504945.8/27

Left Out: 0.025+/-0.000 χ^2/NDF:7880064969.5/24

Right Out: 0.017+/-0.000 χ^2/NDF: 459134370272.4/32

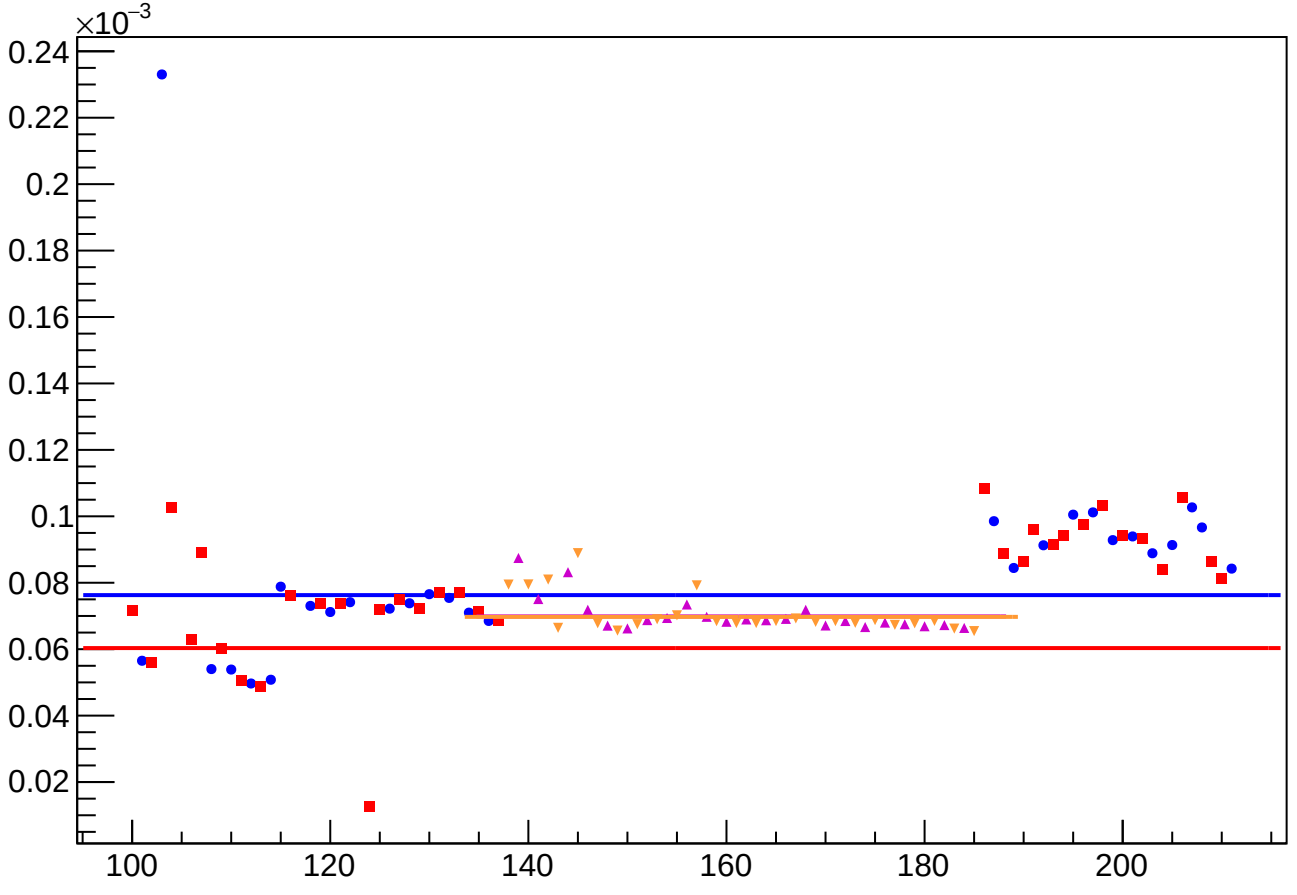
Left In: 0.025+/-0.000 χ^2/NDF:1884783780.3/22

+ sign 0.024+/-0.000 χ^2/NDF: 110436579674.7/52

All: 0.022+/-0.000 χ^2/NDF: 747201912296.7

- sign 0.021+/-0.000 χ^2/NDF: 600290082584.8/55

yield_atl1_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1892469.8/27

Left Out: 0.000+/-0.000 χ^2/NDF:188211.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7580510.5/32

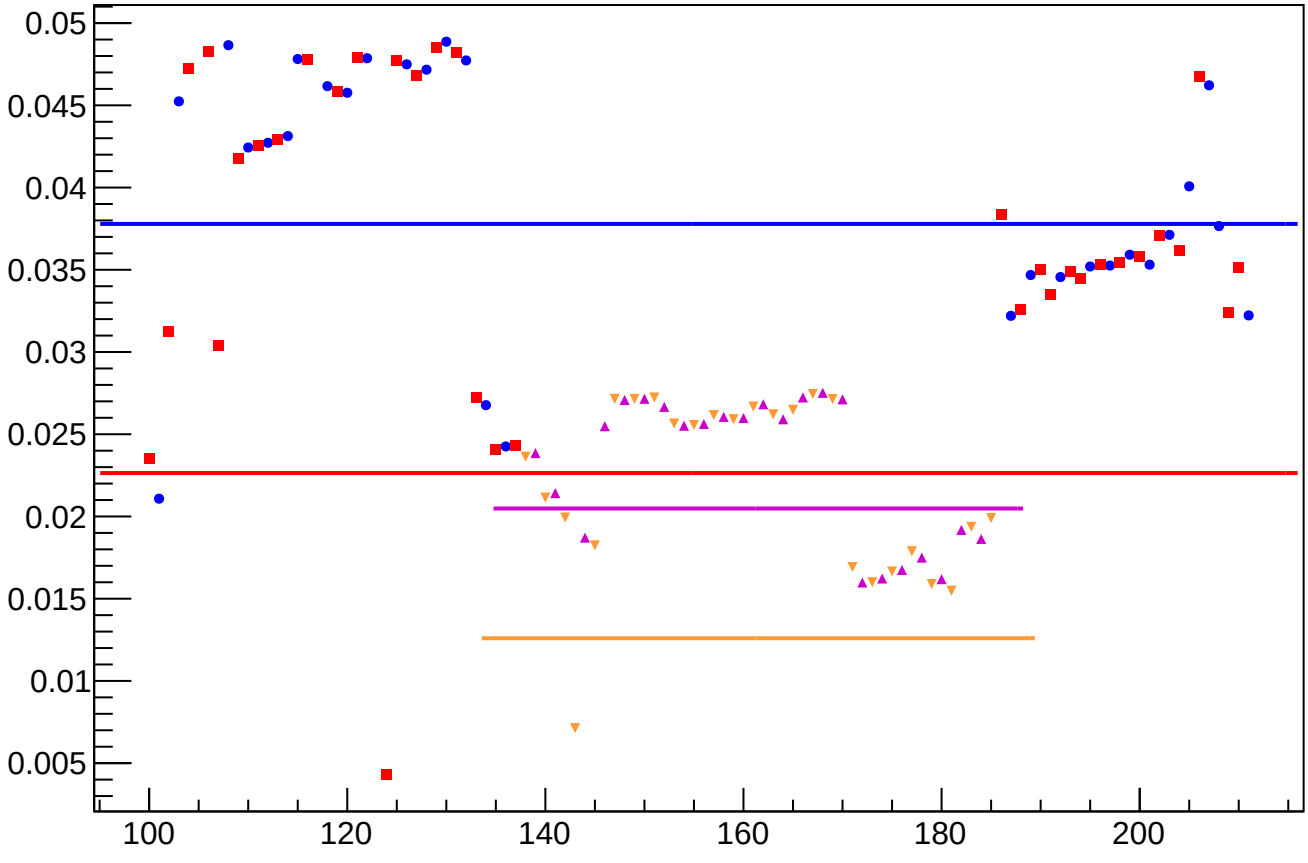
Left In: 0.000+/-0.000 χ^2/NDF:152421.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 2214865.1/52

All: 0.000+/-0.000 χ^2/NDF: 10654627.6/108

- sign 0.000+/-0.000 χ^2/NDF: 8070608.5/55

yield_atl2_mean vs Slug



Right In: 0.038+/-0.000 χ^2/NDF: 7405539200.5/27

Left Out: 0.013+/-0.000 χ^2/NDF:37338500367.6/24

Right Out: 0.023+/-0.000 χ^2/NDF: 47306910690.9/32

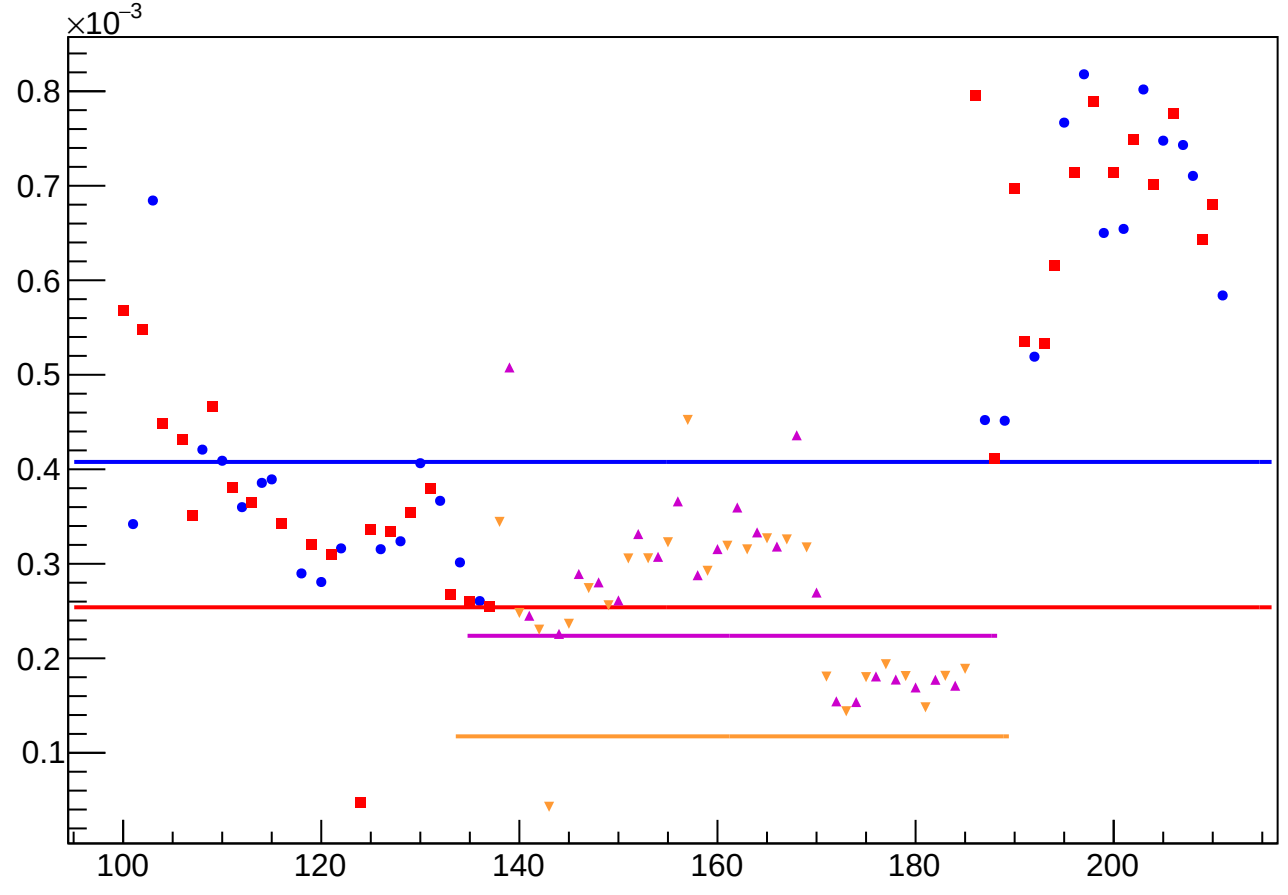
Left In: 0.020+/-0.000 χ^2/NDF:6099907424.9/22

+ sign 0.015+/-0.000 χ^2/NDF: 90803537777.2/52

All: 0.017+/-0.000 χ^2/NDF: 155763352678.2

- sign 0.021+/-0.000 χ^2/NDF: 53866608457.2/55

yield_atl2_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 4156625.1/27

Left Out: 0.000+/-0.000 χ^2/NDF:14390785.9/24

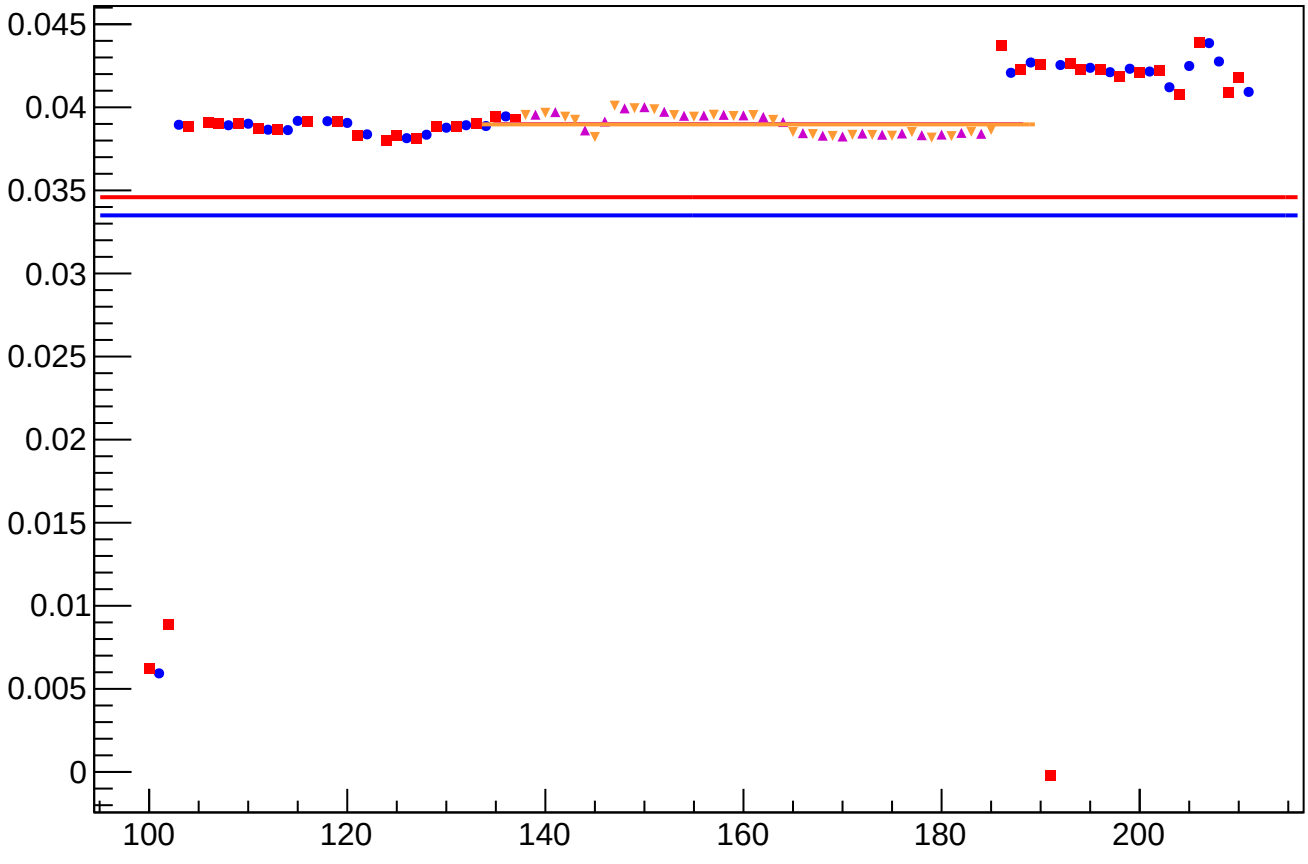
Right Out: 0.000+/-0.000 χ^2/NDF: 14554785.7/32

Left In: 0.000+/-0.000 χ^2/NDF:3388230.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 30785923.0/52

All: 0.000+/-0.000 χ^2/NDF: 53458779.9/108

- sign 0.000+/-0.000 χ^2/NDF: 18122915.2/55



Right In: 0.033+/-0.000 χ^2/NDF: 130718254284.8/27

Left Out: 0.039+/-0.000 χ^2/NDF:477670162.8/24

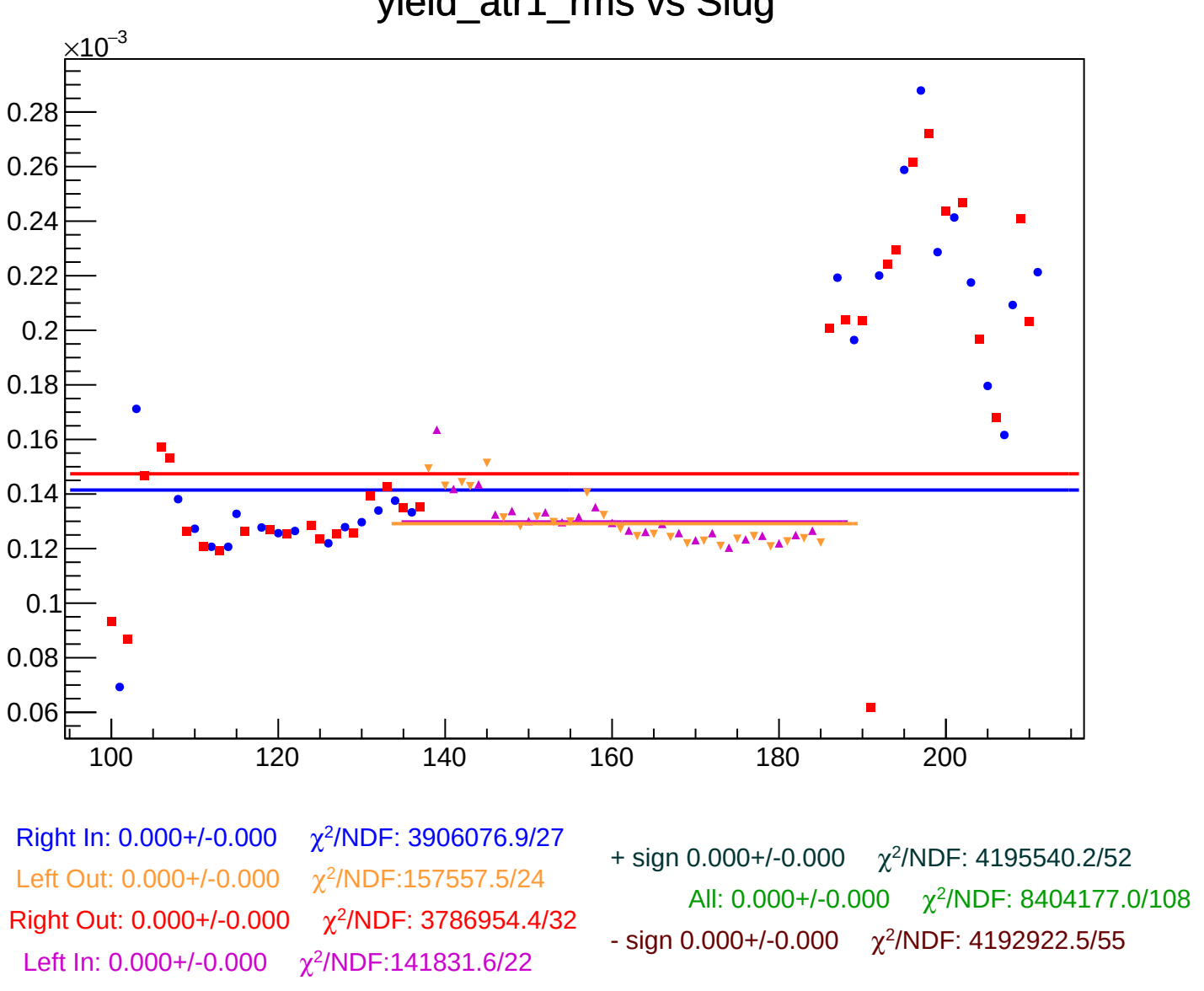
Right Out: 0.035+/-0.000 χ^2/NDF: 120493117971.9/32

Left In: 0.039+/-0.000 χ^2/NDF:408808029.6/22

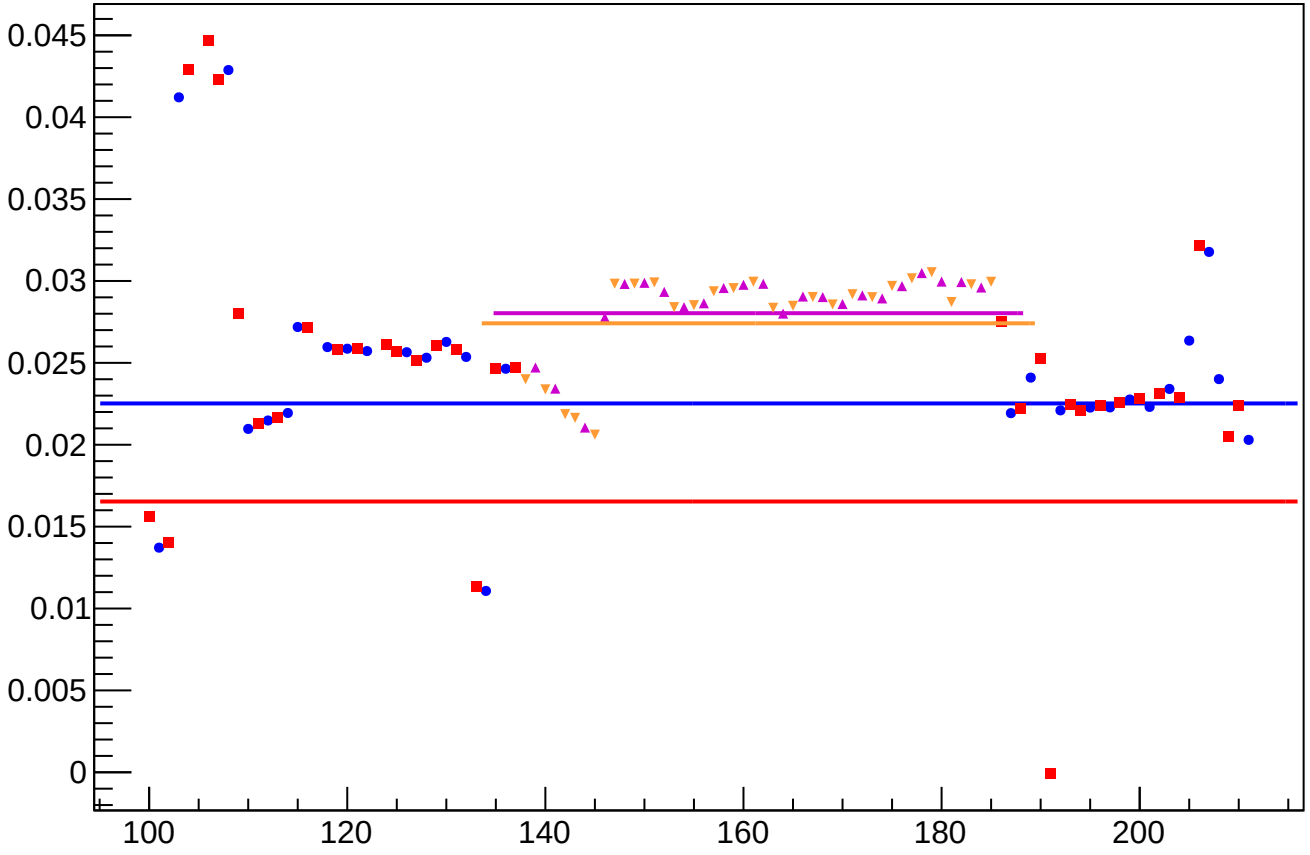
+ sign 0.037+/-0.000 χ^2/NDF: 144243423316.6/52

All: 0.037+/-0.000 χ^2/NDF: 273510284844.0

- sign 0.037+/-0.000 χ^2/NDF: 129146711462.2/55


yield_atr1_rms vs Slug
×10^−3
0.28
0.26
0.24
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 3906076.9/27
Left Out: 0.000+/-0.000 χ²/NDF:157557.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 3786954.4/32
Left In: 0.000+/-0.000 χ²/NDF:141831.6/22
+ sign 0.000+/-0.000 χ²/NDF: 4195540.2/52
All: 0.000+/-0.000 χ²/NDF: 8404177.0/108
- sign 0.000+/-0.000 χ²/NDF: 4192922.5/55

yield_atr2_mean vs Slug



Right In: 0.023+/-0.000 χ^2/NDF: 5203052301.4/27

Left Out: 0.027+/-0.000 χ^2/NDF:2240091851.9/24

Right Out: 0.017+/-0.000 χ^2/NDF: 25750463760.7/32

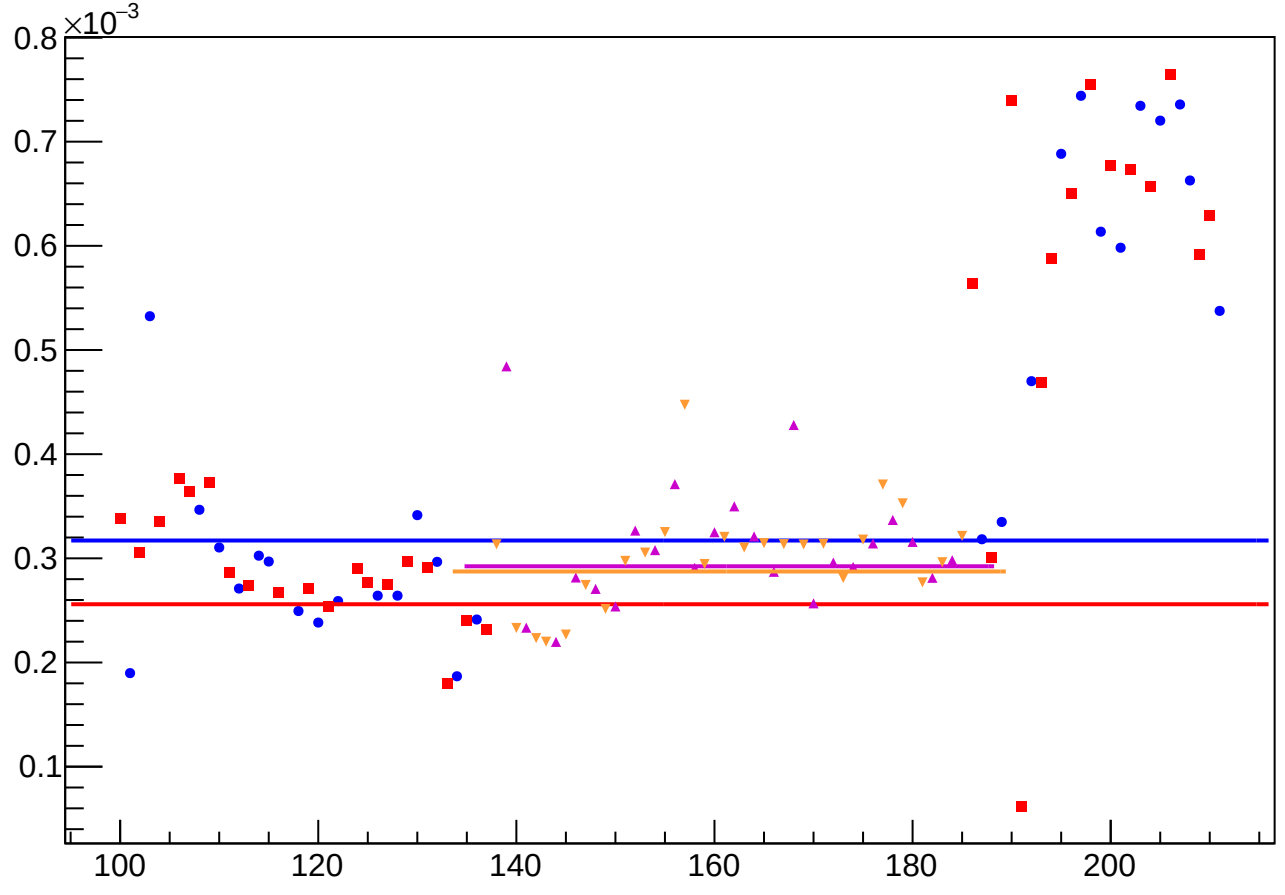
Left In: 0.028+/-0.000 χ^2/NDF:1490587051.3/22

+ sign 0.026+/-0.000 χ^2/NDF: 9305228307.6/52

All: 0.024+/-0.000 χ^2/NDF: 50077677186.7/1

- sign 0.023+/-0.000 χ^2/NDF: 39246772500.4/55

yield_atr2_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 5717705.9/27

Left Out: 0.000+/-0.000 χ^2/NDF:821515.6/24

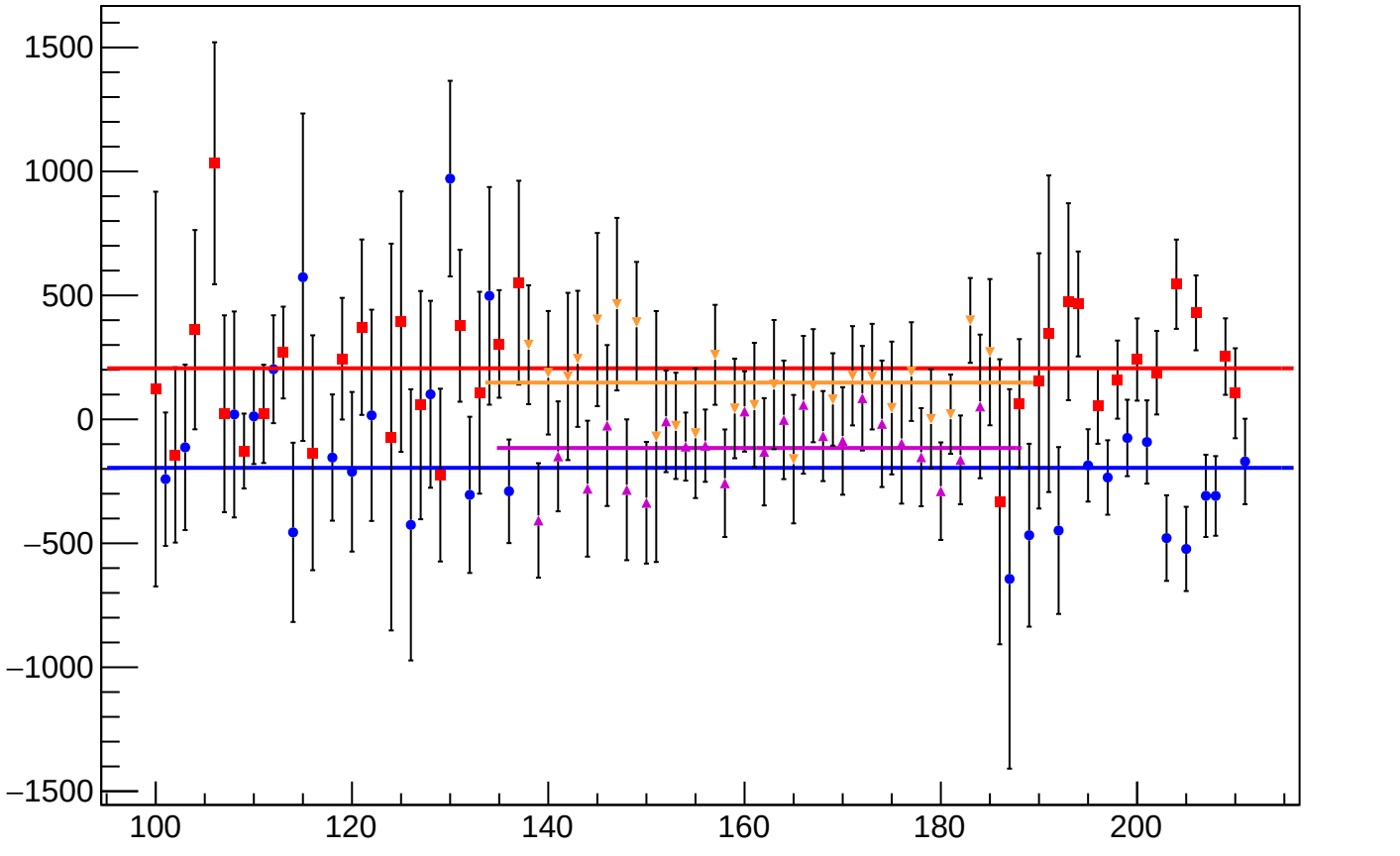
Right Out: 0.000+/-0.000 χ^2/NDF: 10797408.2/32

Left In: 0.000+/-0.000 χ^2/NDF:970483.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 6676667.1/52

All: 0.000+/-0.000 χ^2/NDF: 18874620.4/108

- sign 0.000+/-0.000 χ^2/NDF: 12009047.7/55



Right In: -195.615+/-43.199 χ^2/NDF: 29.3/27

Left Out: 148.273+/-46.219 χ^2/NDF:10.4/24

Right Out: 205.970+/-41.858 χ^2/NDF: 24.5/32

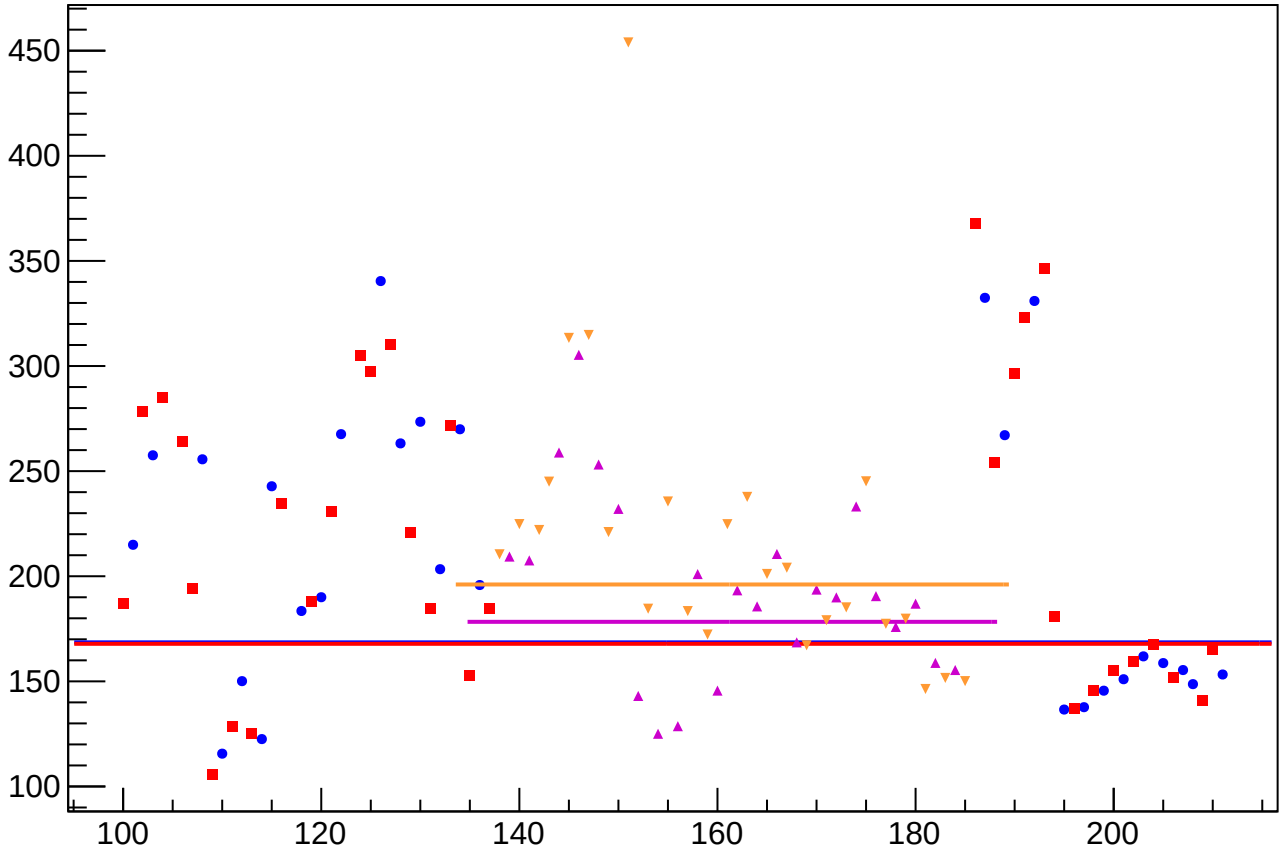
Left In: -115.487+/-43.568 χ^2/NDF:7.8/22

\+ sign -35.271+/-31.560 χ^2/NDF: 69.2/52

All: 10.137+/-21.814 χ^2/NDF: 133.7/108

\- sign 51.674+/-30.184 χ^2/NDF: 60.6/55

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 168.545+/-0.031 χ^2/NDF: 2282380.0/27

Left Out: 196.087+/-0.033 χ^2/NDF:1818492.9/24

Right Out: 167.864+/-0.030 χ^2/NDF: 3001845.0/32

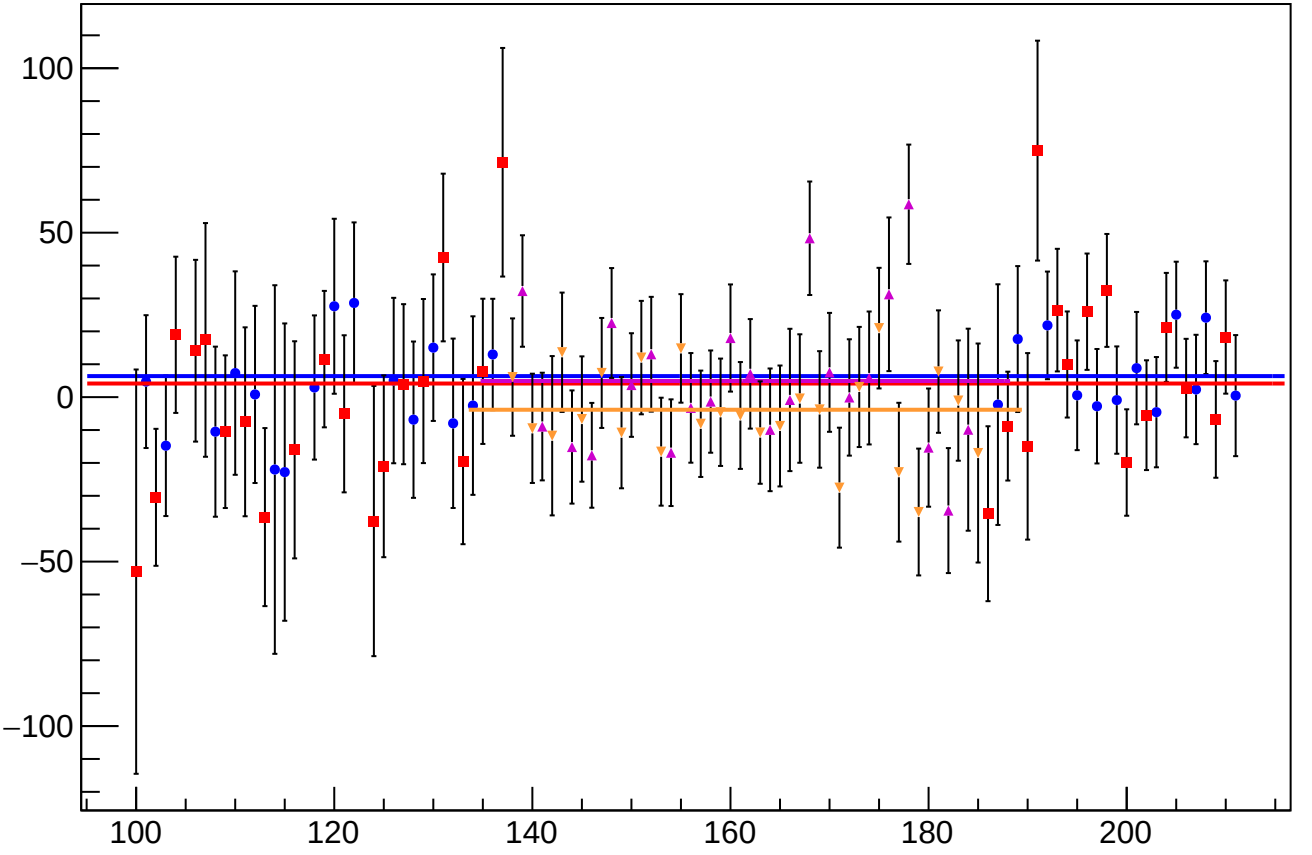
Left In: 178.318+/-0.031 χ^2/NDF:1678336.4/22

+ sign 181.387+/-0.022 χ^2/NDF: 4479917.6/52

All: 176.945+/-0.015 χ^2/NDF: 9295823.5/108

- sign 172.882+/-0.021 χ^2/NDF: 4740054.0/55

asym_bcm_an_avg_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 6.395+/-3.945 χ^2/NDF: 9.5/27

Left Out: -3.834+/-3.603 χ^2/NDF:12.9/24

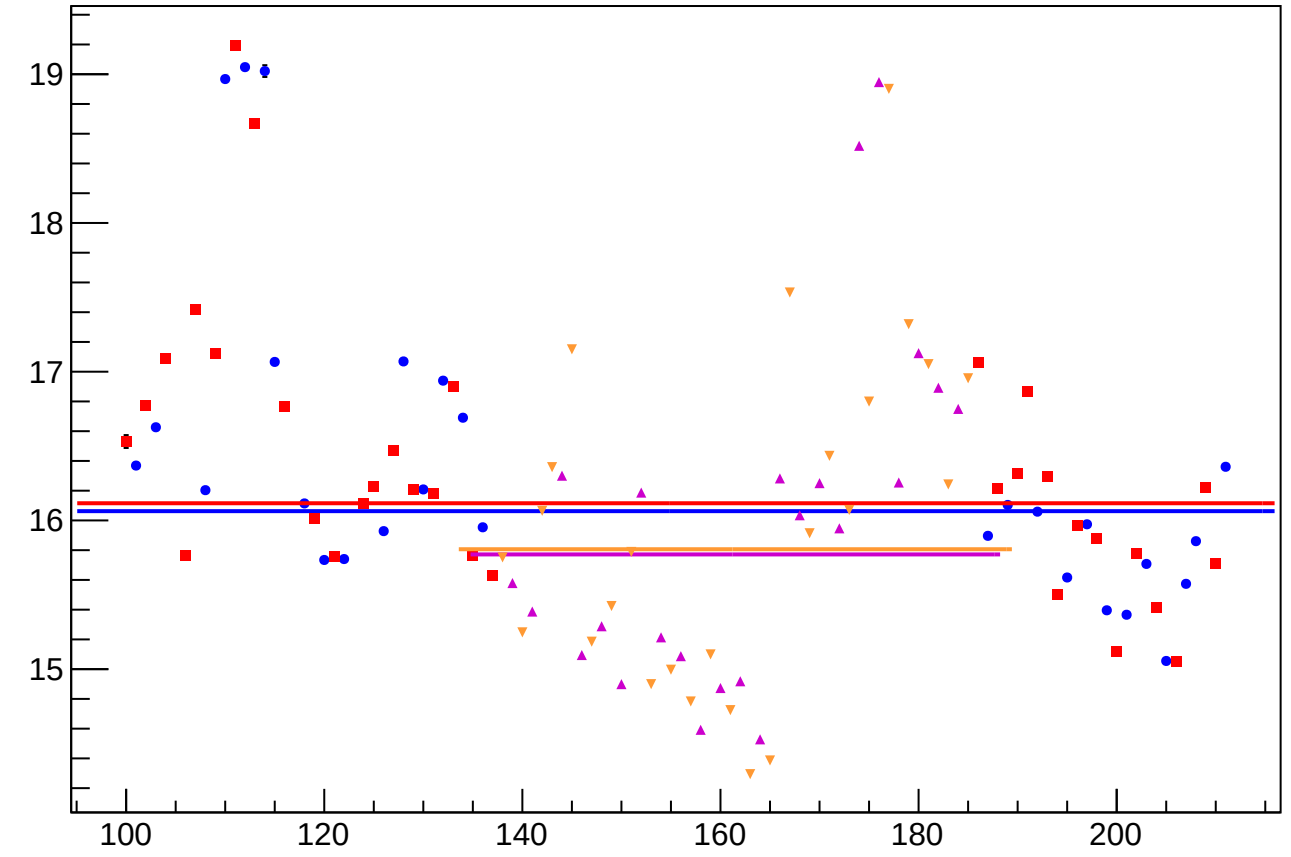
Right Out: 4.138+/-3.789 χ^2/NDF: 34.8/32

Left In: 4.903+/-3.695 χ^2/NDF:33.9/22

+ sign 0.817+/-2.660 χ^2/NDF: 26.0/52

All: 2.684+/-1.876 χ^2/NDF: 95.7/108

- sign 4.530+/-2.645 χ^2/NDF: 68.7/55



Right In: 16.062+/-0.003 χ^2/NDF: 78000.3/27

Left Out: 15.806+/-0.003 χ^2/NDF:172651.3/24

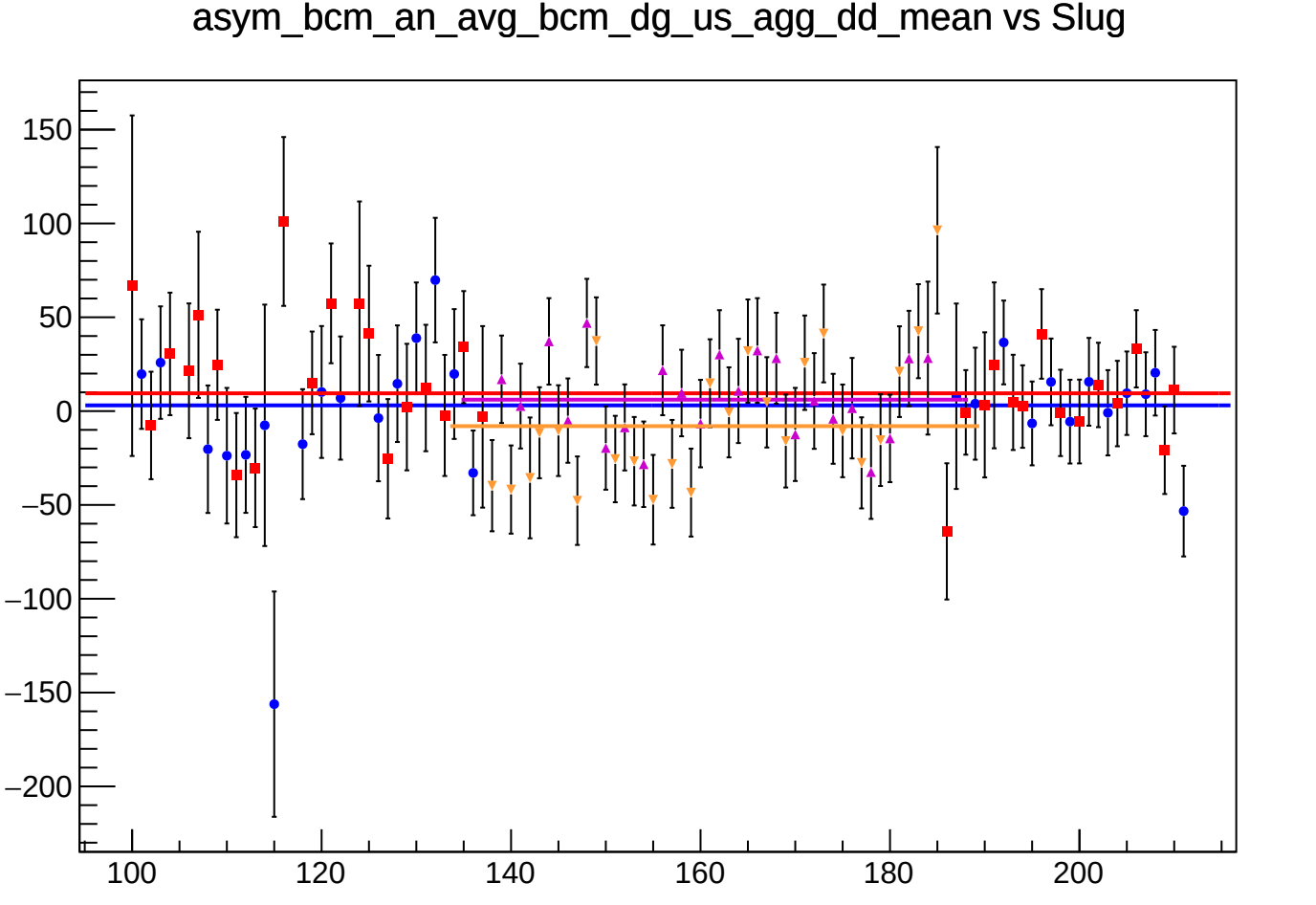
Right Out: 16.116+/-0.003 χ^2/NDF: 88204.9/32

Left In: 15.771+/-0.003 χ^2/NDF:152136.7/22

\+ sign 15.923+/-0.002 χ^2/NDF: 255246.0/52

All: 15.931+/-0.001 χ^2/NDF: 504081.8/108

\- sign 15.939+/-0.002 χ^2/NDF: 248797.4/55



Right In: 3.051+/-5.271 χ^2/NDF: 28.1/27

Left Out: -8.016+/-4.956 χ^2/NDF:38.9/24

Right Out: 9.484+/-5.066 χ^2/NDF: 26.0/32

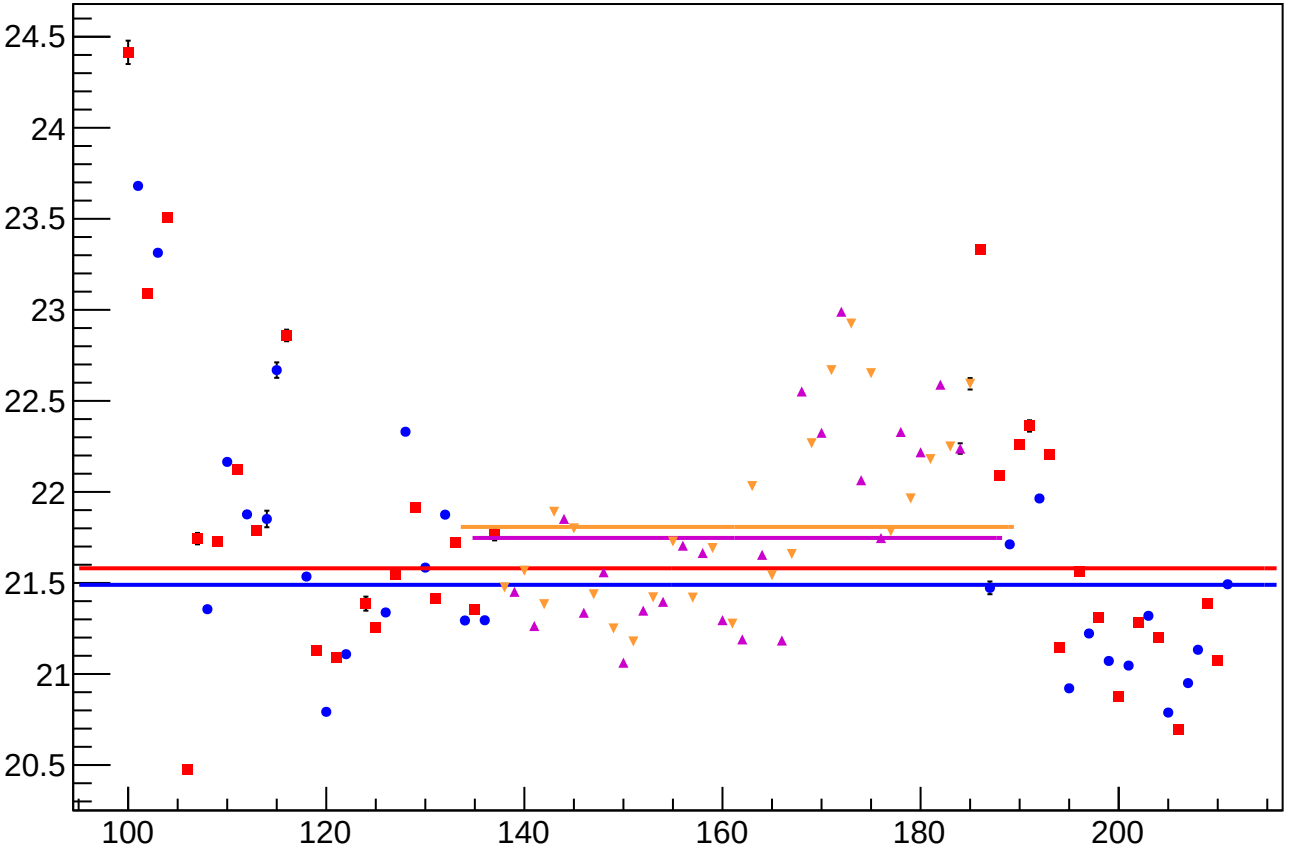
Left In: 6.086+/-5.080 χ^2/NDF:17.9/22

+ sign -2.823+/-3.611 χ^2/NDF: 69.3/52

All: 2.518+/-2.545 χ^2/NDF: 117.8/108

- sign 7.790+/-3.587 χ^2/NDF: 44.1/55

asym_bcm_an_avg_bcm_dg_us_agg_dd_rms vs Slug



Right In: 21.490+/-0.004 χ^2/NDF: 31366.7/27

Left Out: 21.808+/-0.004 χ^2/NDF:17561.0/24

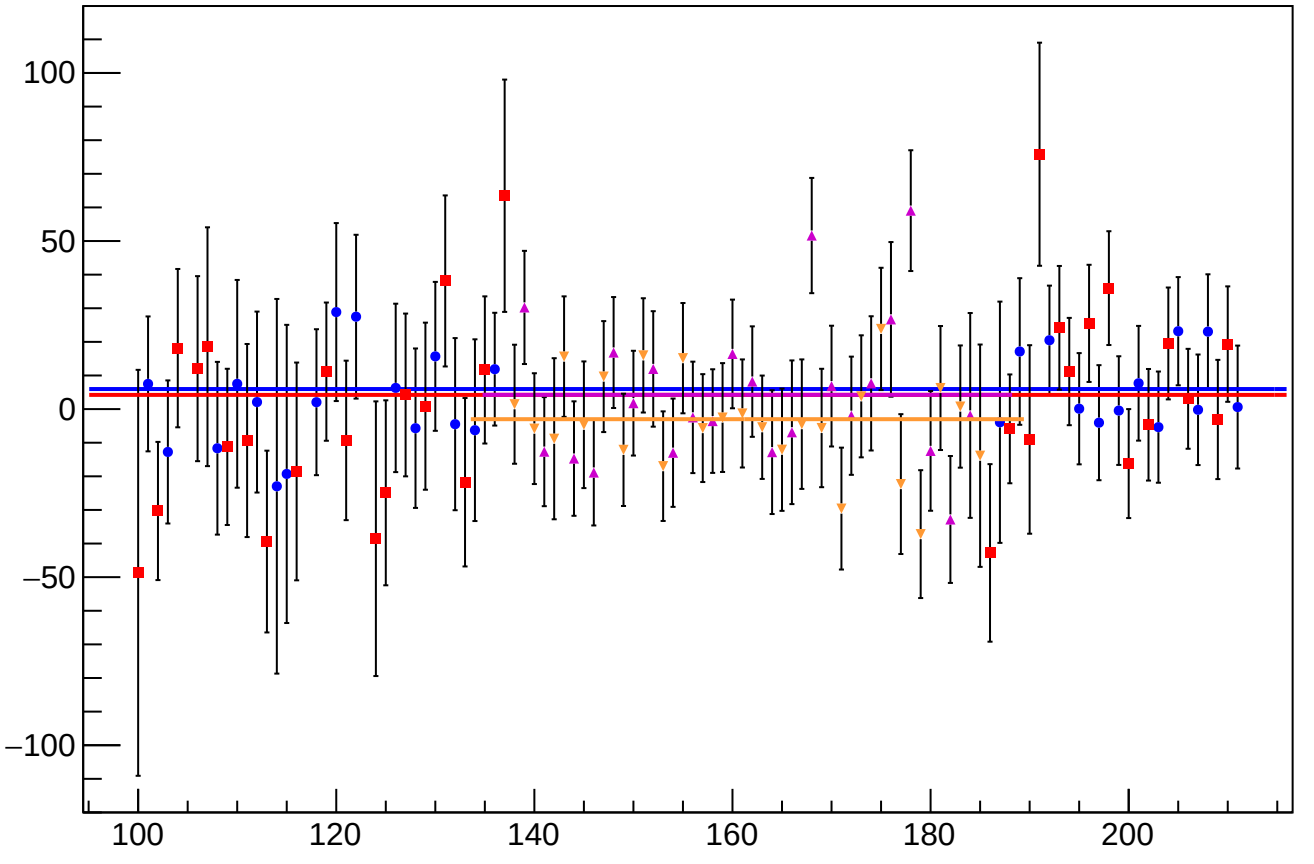
Right Out: 21.580+/-0.004 χ^2/NDF: 37233.1/32

Left In: 21.747+/-0.004 χ^2/NDF:20560.9/22

+ sign 21.658+/-0.003 χ^2/NDF: 52792.2/52

All: 21.661+/-0.002 χ^2/NDF: 111669.2/108

- sign 21.664+/-0.003 χ^2/NDF: 58874.9/55



Right In: 5.968+/-3.917 χ^2/NDF: 9.0/27

Left Out: -3.002+/-3.569 χ^2/NDF:14.6/24

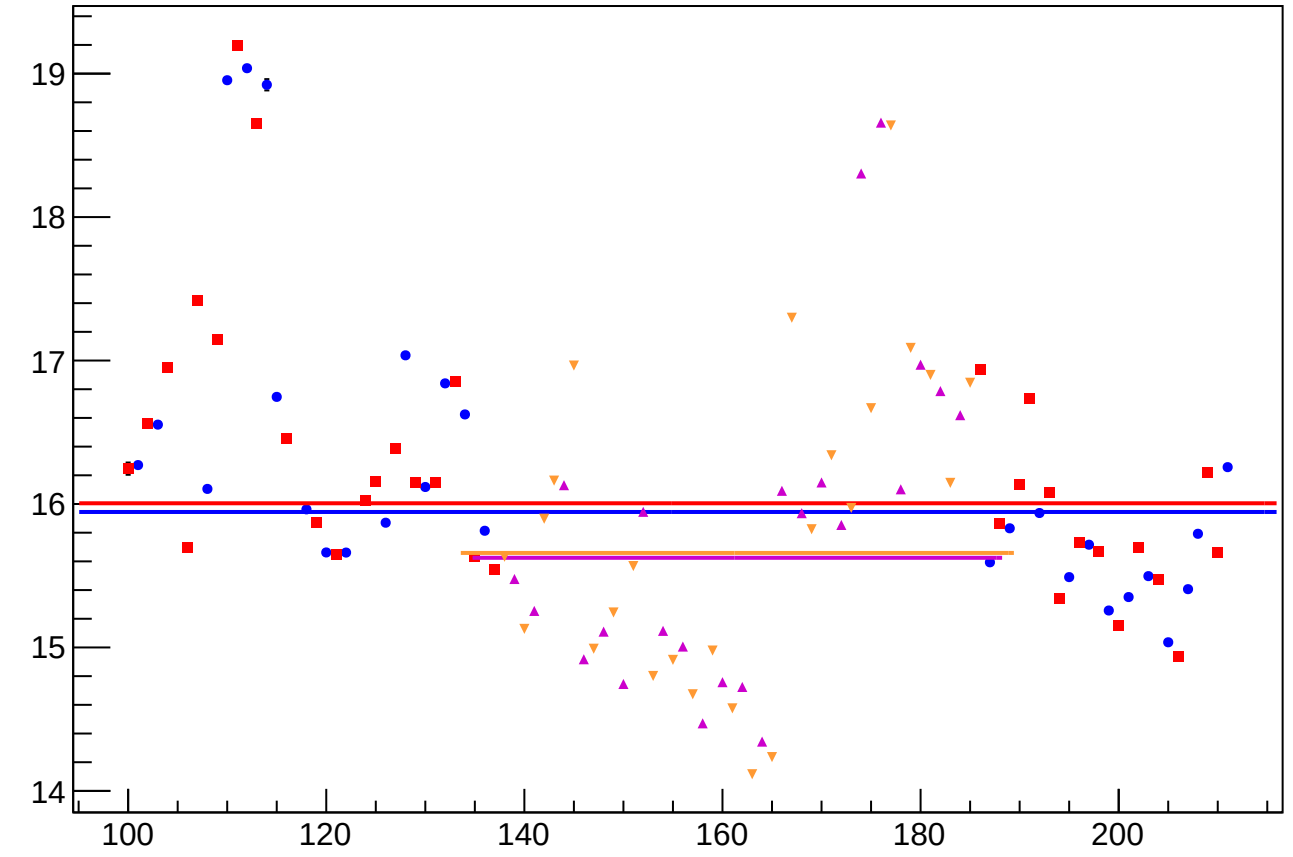
Right Out: 4.227+/-3.763 χ^2/NDF: 35.0/32

Left In: 4.249+/-3.661 χ^2/NDF:33.8/22

\+ sign 1.066+/-2.638 χ^2/NDF: 26.5/52

All: 2.661+/-1.860 χ^2/NDF: 96.1/108

\- sign 4.238+/-2.624 χ^2/NDF: 68.8/55



Right In: 15.944+/-0.003 χ^2/NDF: 81558.7/27

Left Out: 15.659+/-0.003 χ^2/NDF:169838.6/24

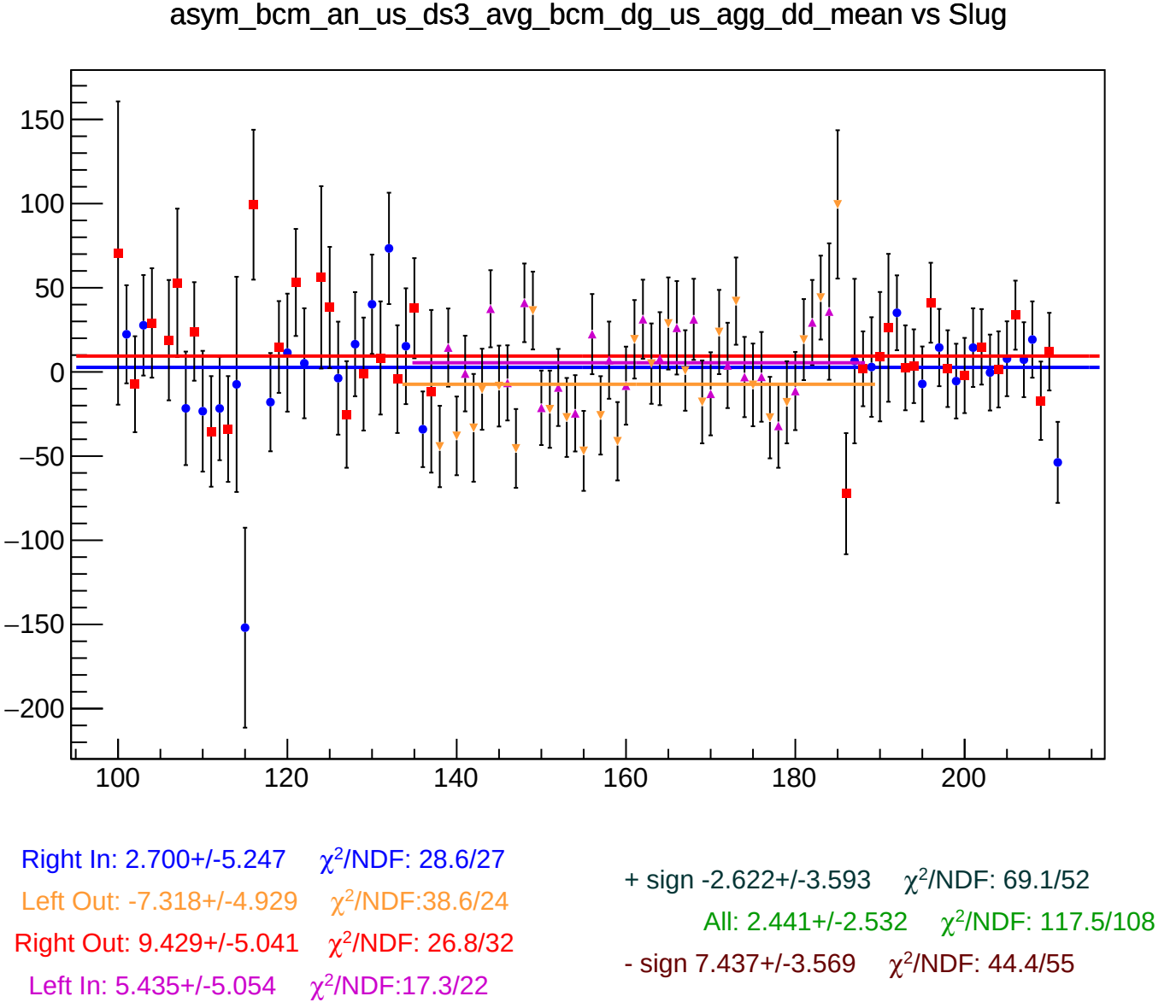
Right Out: 16.005+/-0.003 χ^2/NDF: 89725.3/32

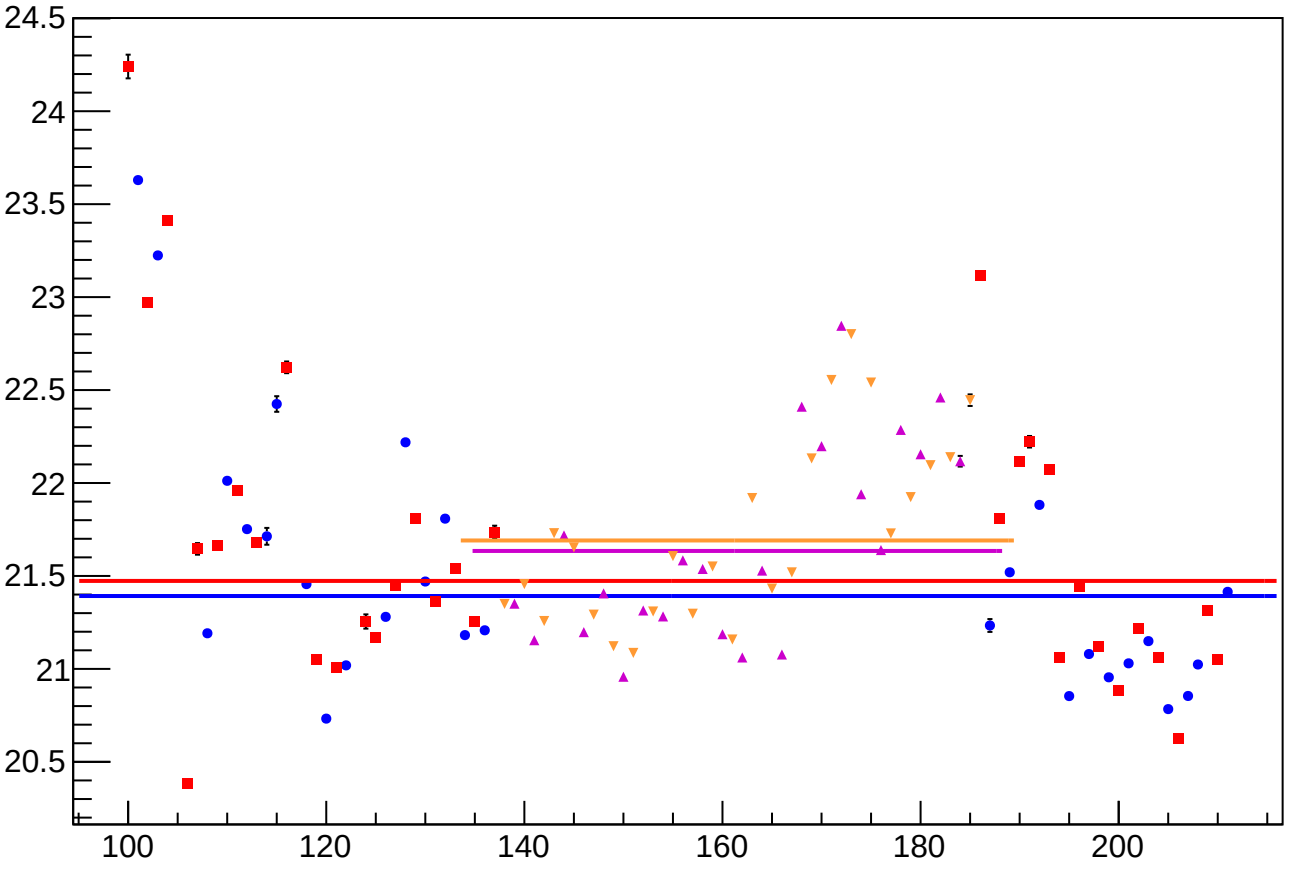
Left In: 15.625+/-0.003 χ^2/NDF:150431.7/22

\+ sign 15.788+/-0.002 χ^2/NDF: 257201.0/52

All: 15.799+/-0.001 χ^2/NDF: 507903.1/108

\- sign 15.810+/-0.002 χ^2/NDF: 250636.0/55


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
Right In: 2.700+/-5.247 χ²/NDF: 28.6/27
Left Out: -7.318+/-4.929 χ²/NDF:38.6/24
Right Out: 9.429+/-5.041 χ²/NDF: 26.8/32
Left In: 5.435+/-5.054 χ²/NDF:17.3/22
+ sign -2.622+/-3.593 χ²/NDF: 69.1/52
All: 2.441+/-2.532 χ²/NDF: 117.5/108
- sign 7.437+/-3.569 χ²/NDF: 44.4/55



Right In: 21.392+/-0.004 χ^2/NDF: 31139.6/27

Left Out: 21.691+/-0.003 χ^2/NDF:17934.9/24

Right Out: 21.473+/-0.004 χ^2/NDF: 34414.0/32

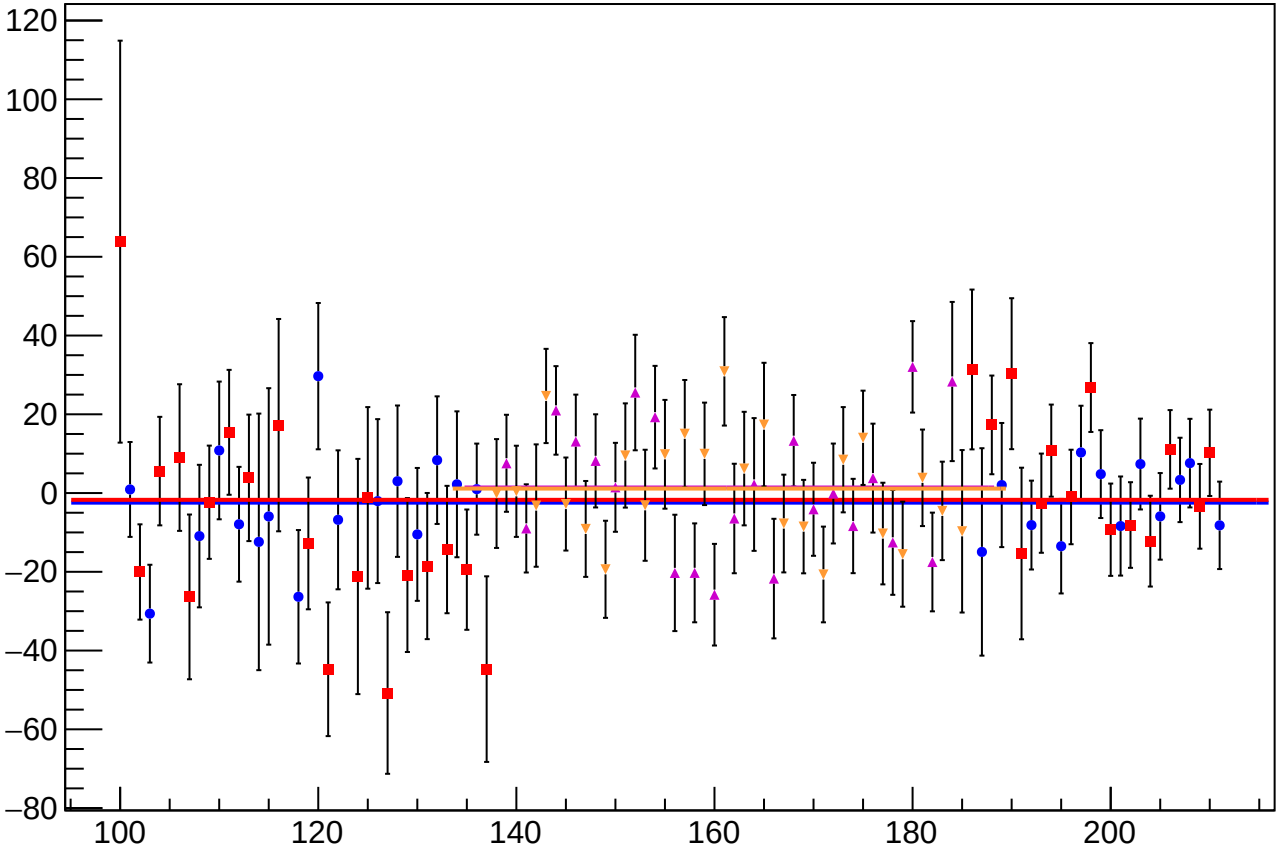
Left In: 21.635+/-0.004 χ^2/NDF:20561.5/22

\+ sign 21.551+/-0.003 χ^2/NDF: 52519.7/52

All: 21.552+/-0.002 χ^2/NDF: 108516.4/108

\- sign 21.554+/-0.003 χ^2/NDF: 55996.0/55

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs Slug



Right In: -2.436+/-2.665 χ^2/NDF: 17.6/27

Left Out: 1.138+/-2.620 χ^2/NDF:24.5/24

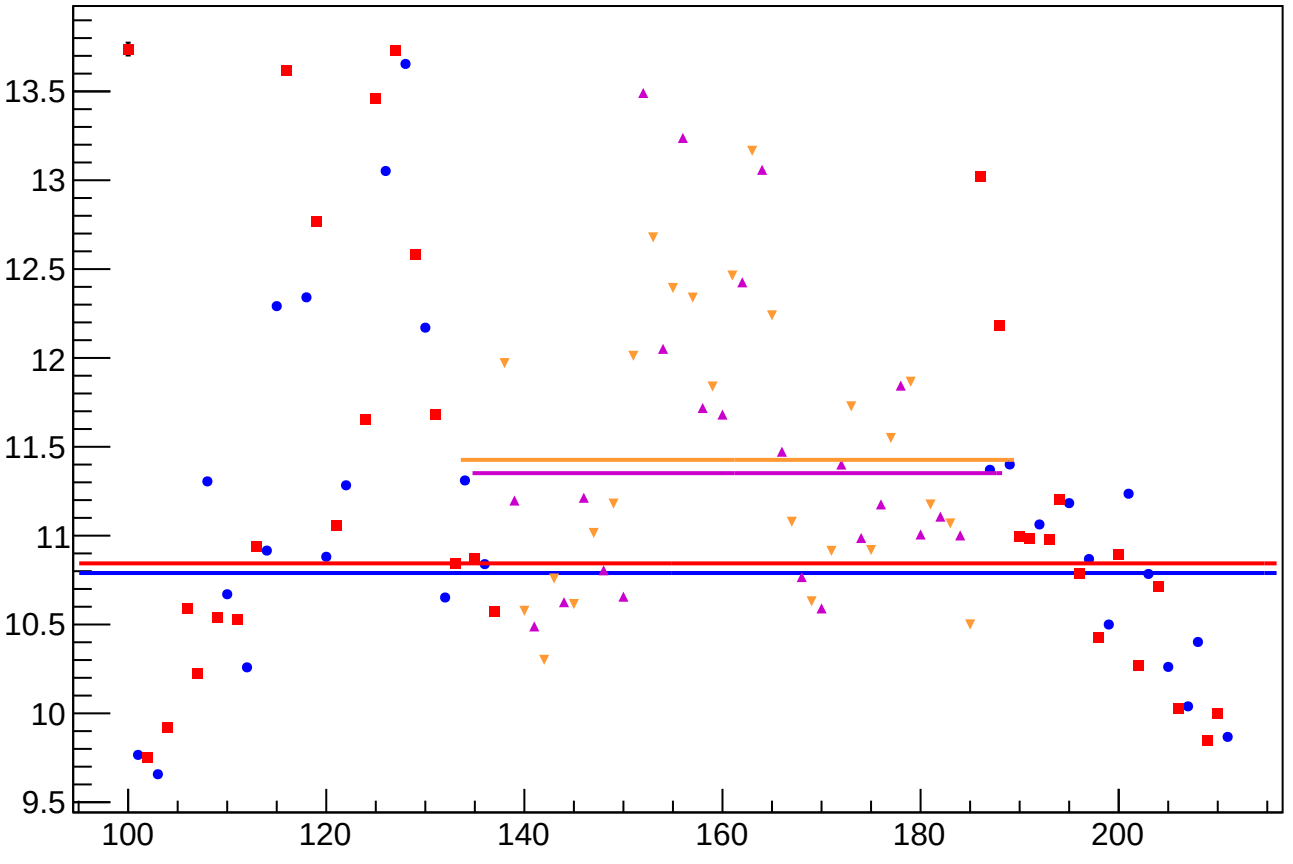
Right Out: -1.723+/-2.566 χ^2/NDF: 47.9/32

Left In: 1.407+/-2.674 χ^2/NDF:36.3/22

+ sign -0.619+/-1.868 χ^2/NDF: 43.0/52

All: -0.419+/-1.315 χ^2/NDF: 128.0/108

- sign -0.222+/-1.851 χ^2/NDF: 85.0/55



Right In: 10.790+/-0.002 χ^2/NDF: 183148.4/27

Left Out: 11.426+/-0.002 χ^2/NDF:156973.4/24

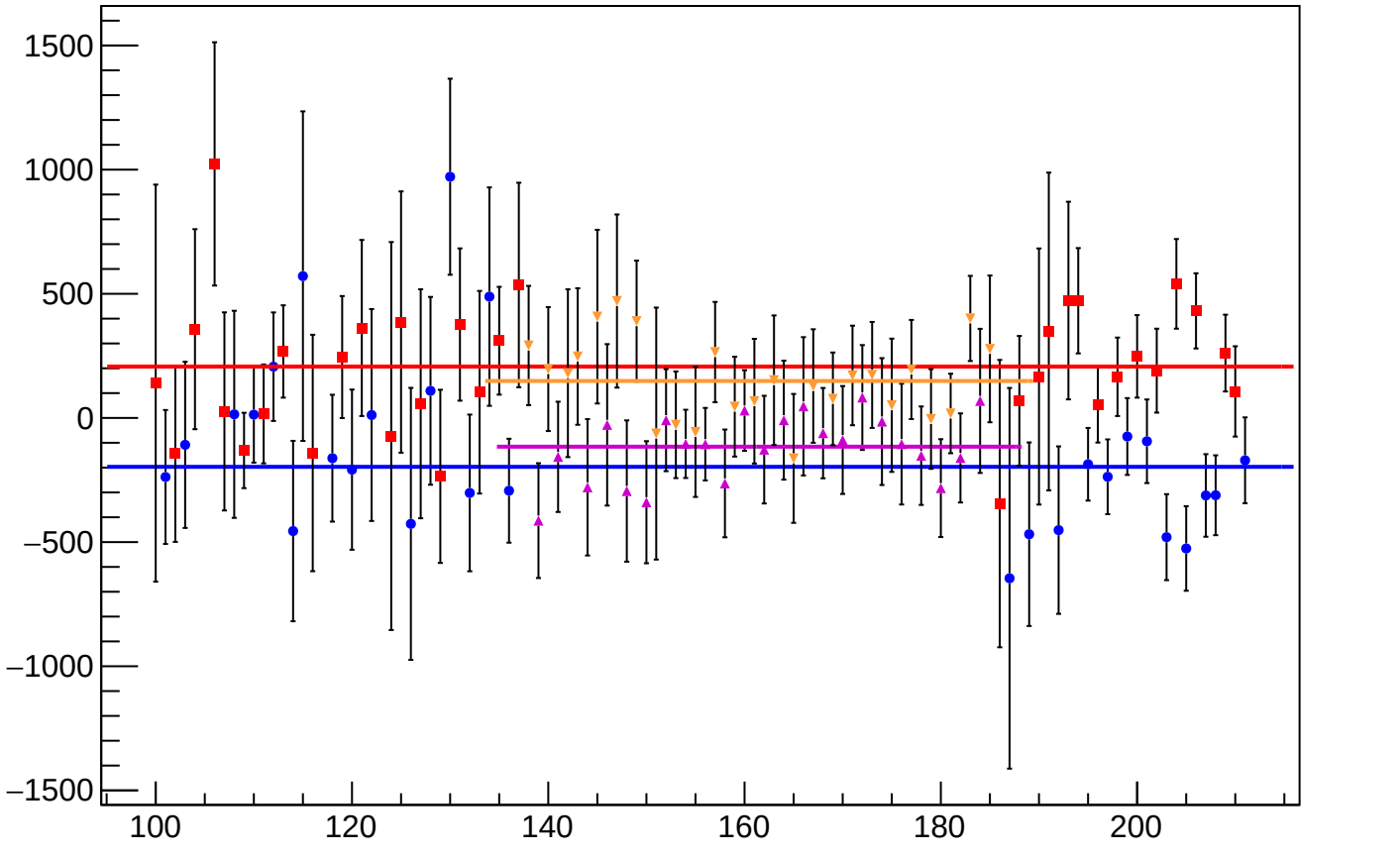
Right Out: 10.844+/-0.002 χ^2/NDF: 269954.5/32

Left In: 11.352+/-0.002 χ^2/NDF:170563.6/22

+ sign 11.113+/-0.001 χ^2/NDF: 398198.6/52

All: 11.100+/-0.001 χ^2/NDF: 876448.5/108

- sign 11.087+/-0.001 χ^2/NDF: 478053.6/55



Right In: -196.876+/-43.310 χ^2/NDF: 29.3/27

Left Out: 148.905+/-46.306 χ^2/NDF:10.5/24

Right Out: 207.040+/-41.971 χ^2/NDF: 24.5/32

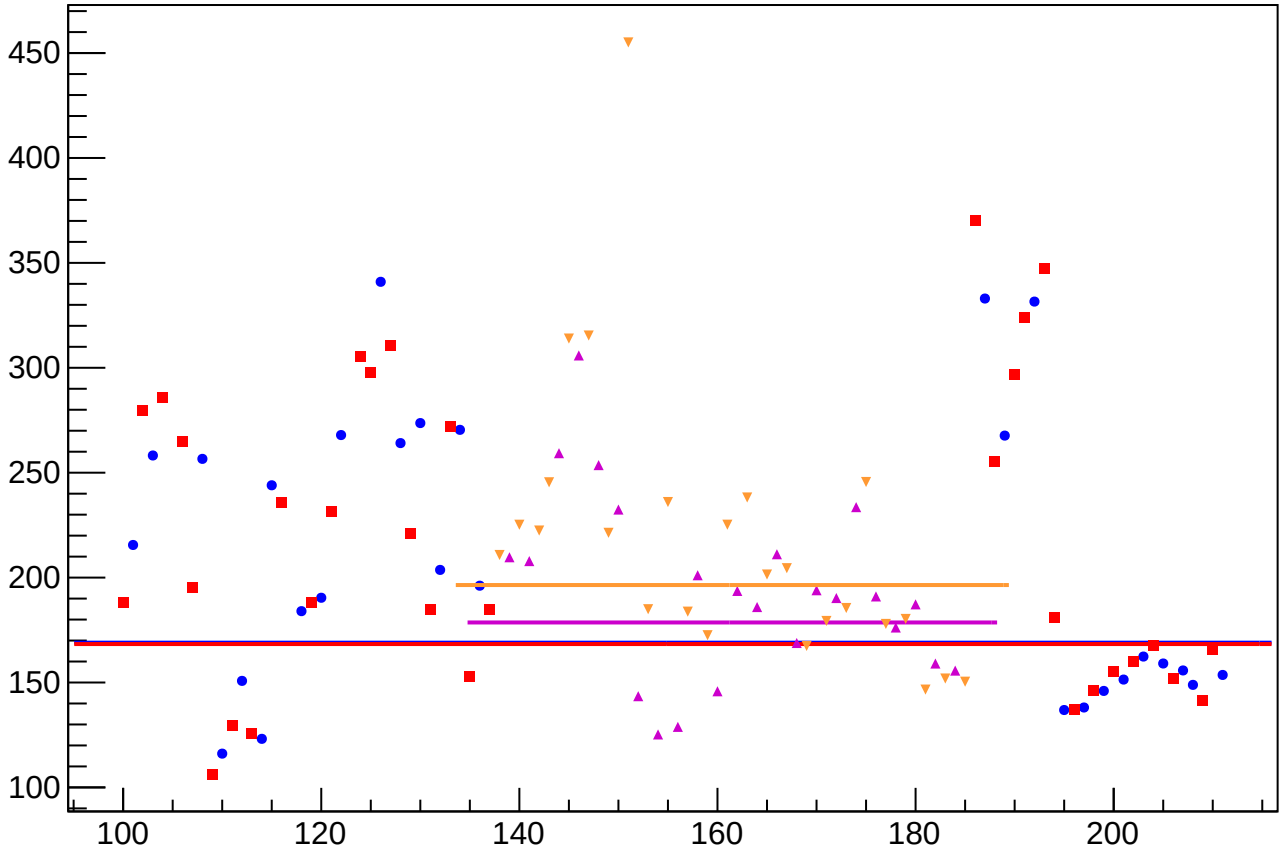
Left In: -115.709+/-43.641 χ^2/NDF:7.8/22

+ sign -35.534+/-31.631 χ^2/NDF: 69.5/52

All: 10.161+/-21.862 χ^2/NDF: 134.2/108

- sign 51.957+/-30.251 χ^2/NDF: 60.7/55

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs Slug



Right In: 168.988+/-0.031 χ^2/NDF: 2278003.3/27

Left Out: 196.454+/-0.033 χ^2/NDF:1818746.1/24

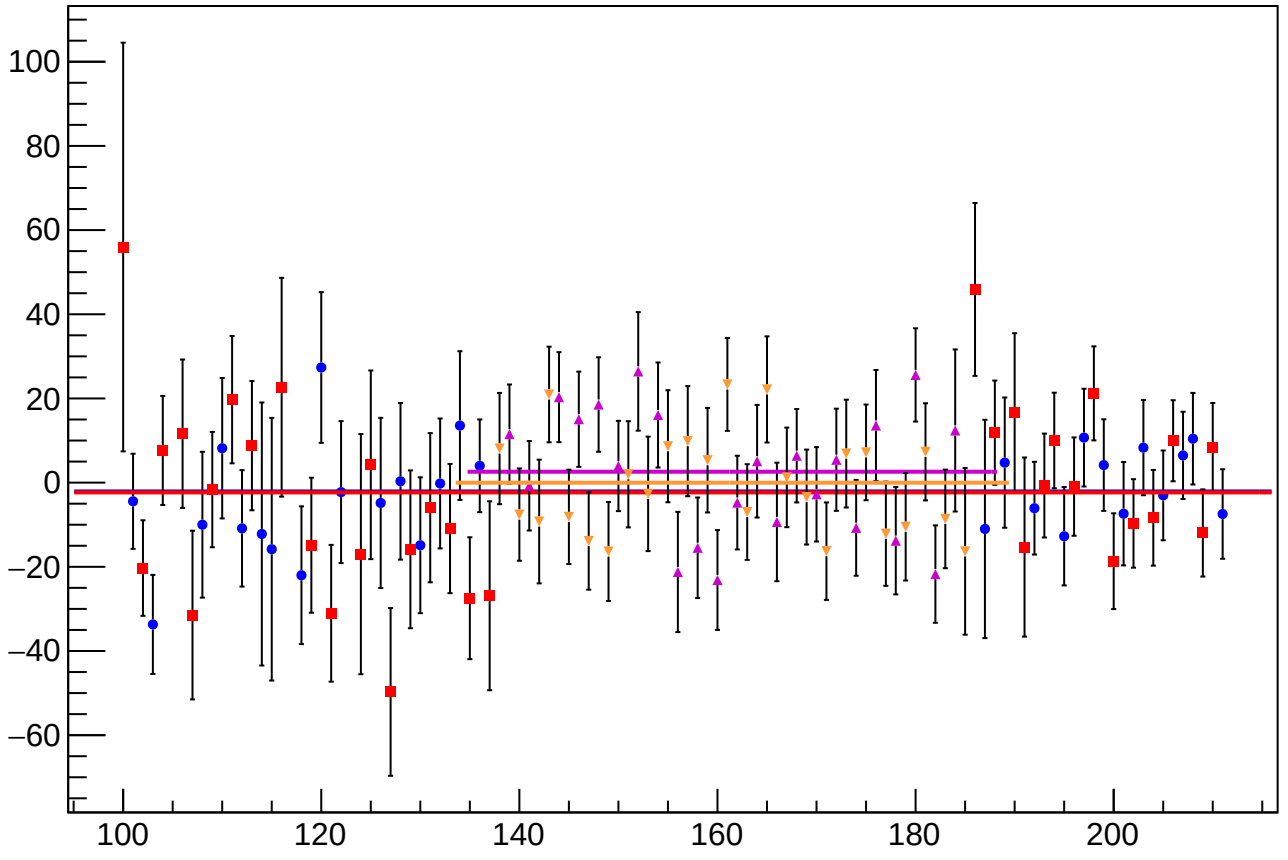
Right Out: 168.326+/-0.030 χ^2/NDF: 2999203.3/32

Left In: 178.614+/-0.031 χ^2/NDF:1678859.8/22

+ sign 181.804+/-0.022 χ^2/NDF: 4472078.5/52

All: 177.346+/-0.015 χ^2/NDF: 9283924.3/108

- sign 173.269+/-0.021 χ^2/NDF: 4735805.1/55



Right In: -2.099+/-2.570 χ^2/NDF: 20.6/27

Left Out: -0.018+/-2.445 χ^2/NDF:23.7/24

Right Out: -2.327+/-2.478 χ^2/NDF: 45.9/32

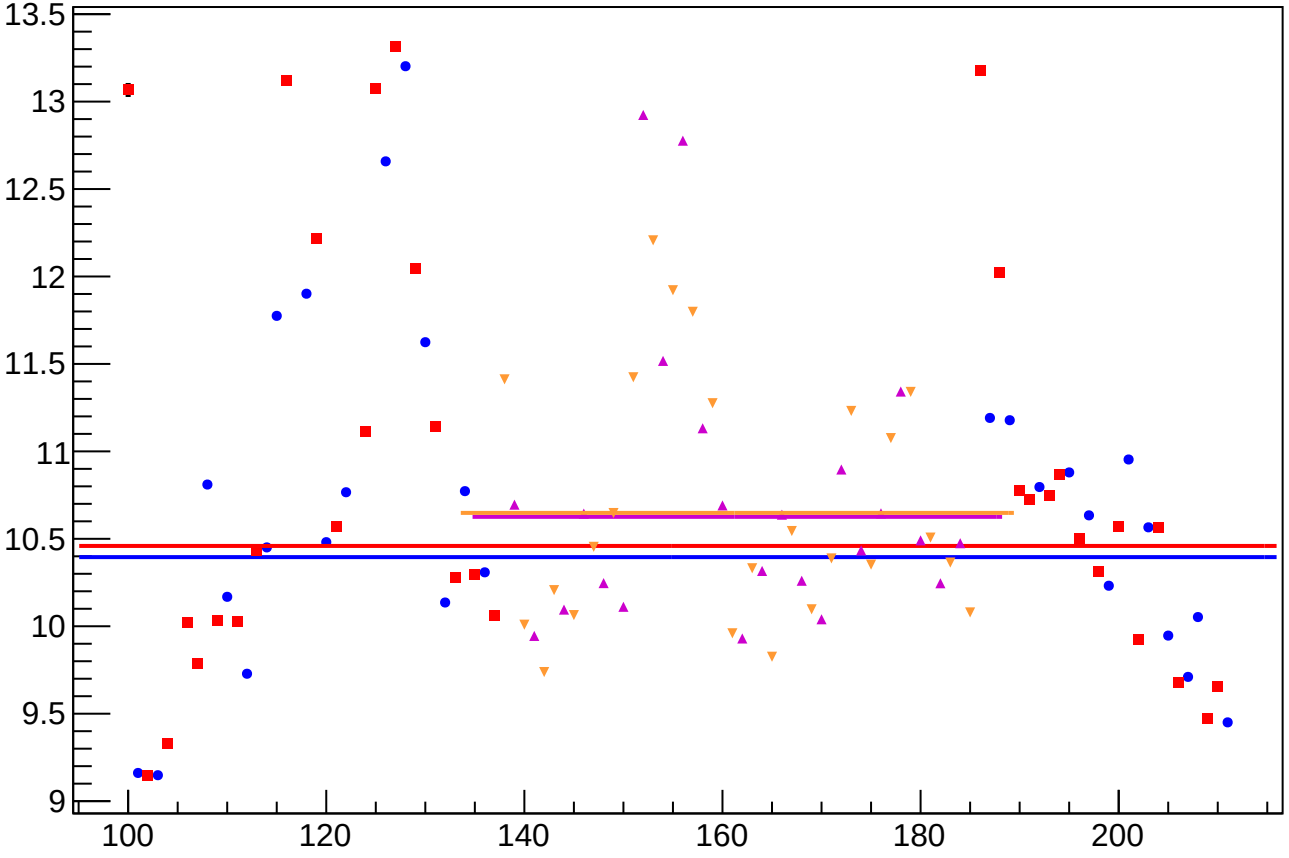
Left In: 2.591+/-2.506 χ^2/NDF:34.8/22

+ sign -1.006+/-1.771 χ^2/NDF: 44.7/52

All: -0.448+/-1.249 χ^2/NDF: 127.5/108

- sign 0.104+/-1.762 χ^2/NDF: 82.6/55

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs Slug



Right In: 10.395+/-0.002 χ^2/NDF: 207115.6/27

Left Out: 10.648+/-0.002 χ^2/NDF:143535.9/24

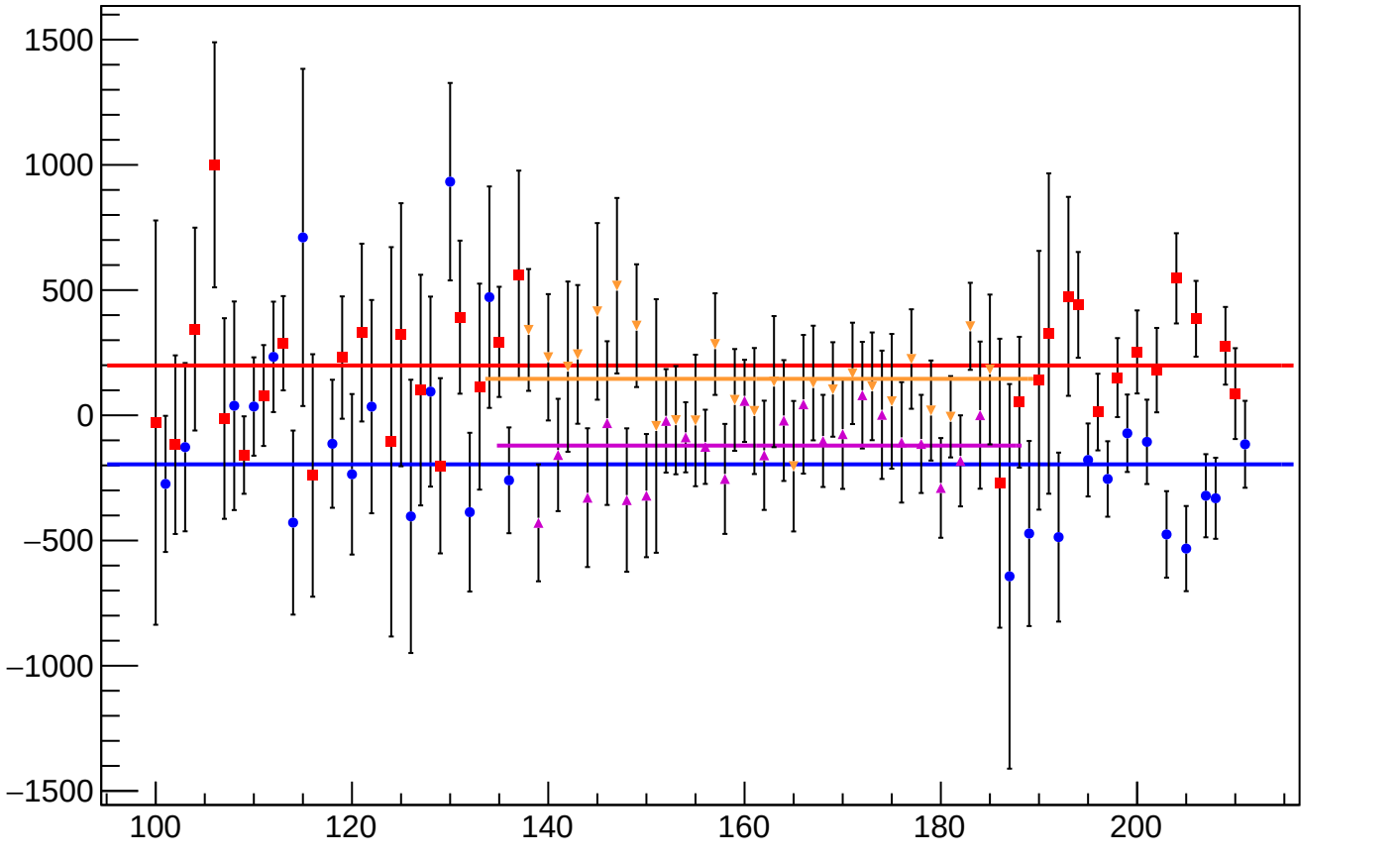
Right Out: 10.459+/-0.002 χ^2/NDF: 308026.8/32

Left In: 10.626+/-0.002 χ^2/NDF:159543.1/22

+ sign 10.528+/-0.001 χ^2/NDF: 360817.3/52

All: 10.535+/-0.001 χ^2/NDF: 832904.1/108

- sign 10.542+/-0.001 χ^2/NDF: 472029.1/55



Right In: -195.813+/-43.409 χ^2/NDF: 30.7/27

Left Out: 145.545+/-46.613 χ^2/NDF:10.3/24

Right Out: 199.010+/-42.097 χ^2/NDF: 24.2/32

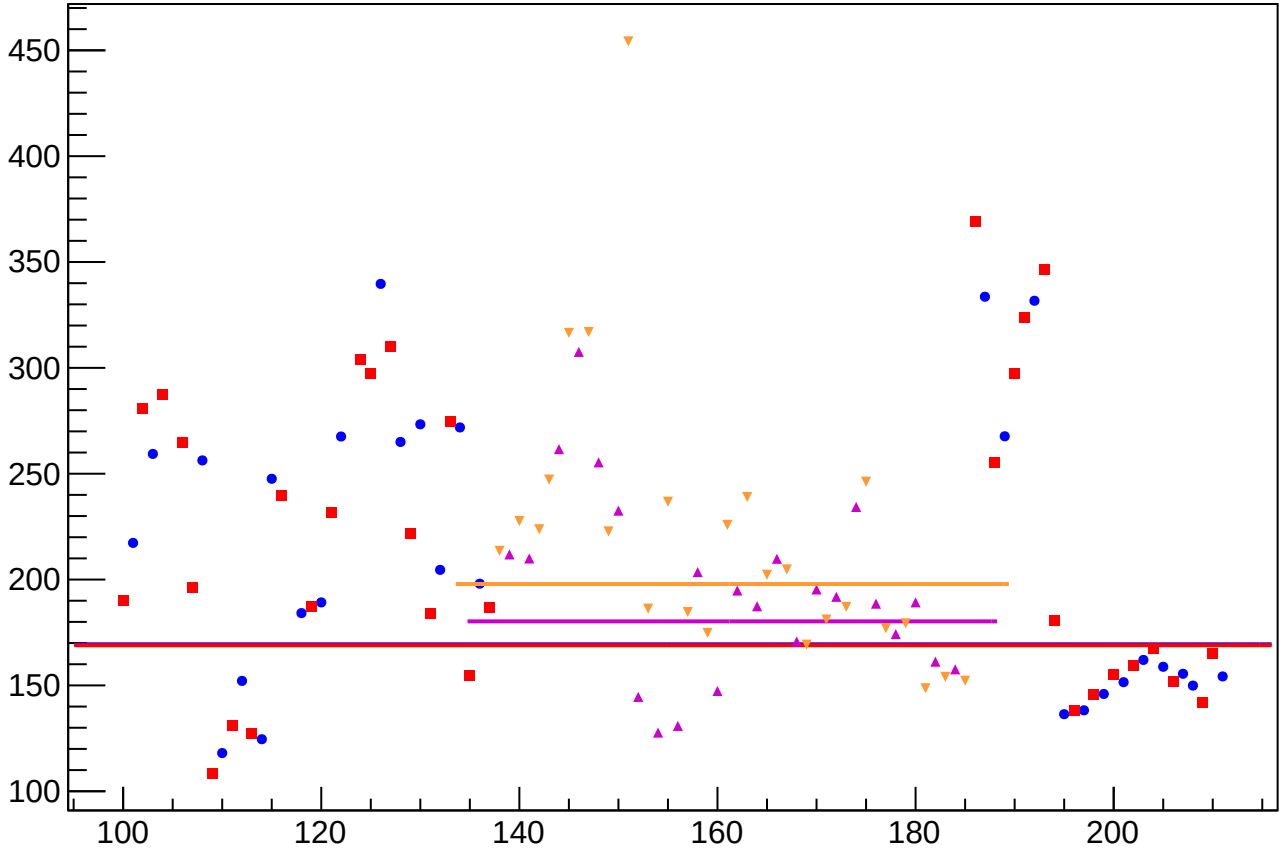
Left In: -120.888+/-43.994 χ^2/NDF:8.2/22

+ sign -37.269+/-31.767 χ^2/NDF: 69.7/52

All: 6.230+/-21.969 χ^2/NDF: 133.3/108

- sign 46.108+/-30.416 χ^2/NDF: 60.0/55

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 169.408+/-0.031 χ^2/NDF: 2270341.2/27

Left Out: 197.890+/-0.033 χ^2/NDF:1788849.3/24

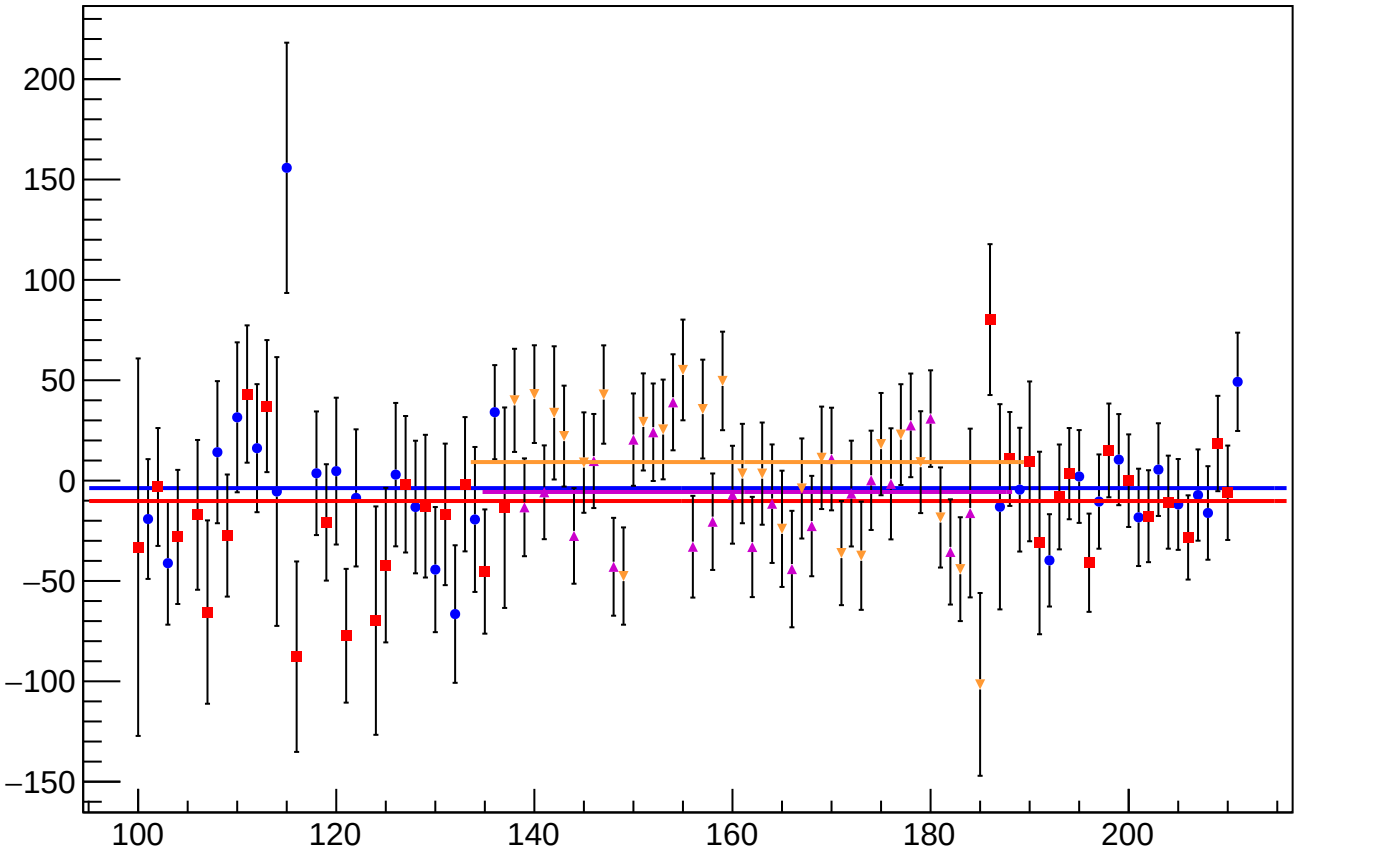
Right Out: 168.987+/-0.030 χ^2/NDF: 2948035.7/32

Left In: 180.248+/-0.031 χ^2/NDF:1627777.0/22

+ sign 182.637+/-0.022 χ^2/NDF: 4459087.2/52

All: 178.324+/-0.016 χ^2/NDF: 9173966.1/108

- sign 174.370+/-0.022 χ^2/NDF: 4644209.7/55



Right In: -3.740+/-5.430 χ^2/NDF: 26.6/27

Left Out: 9.234+/-5.162 χ^2/NDF:39.4/24

Right Out: -10.174+/-5.227 χ^2/NDF: 29.5/32

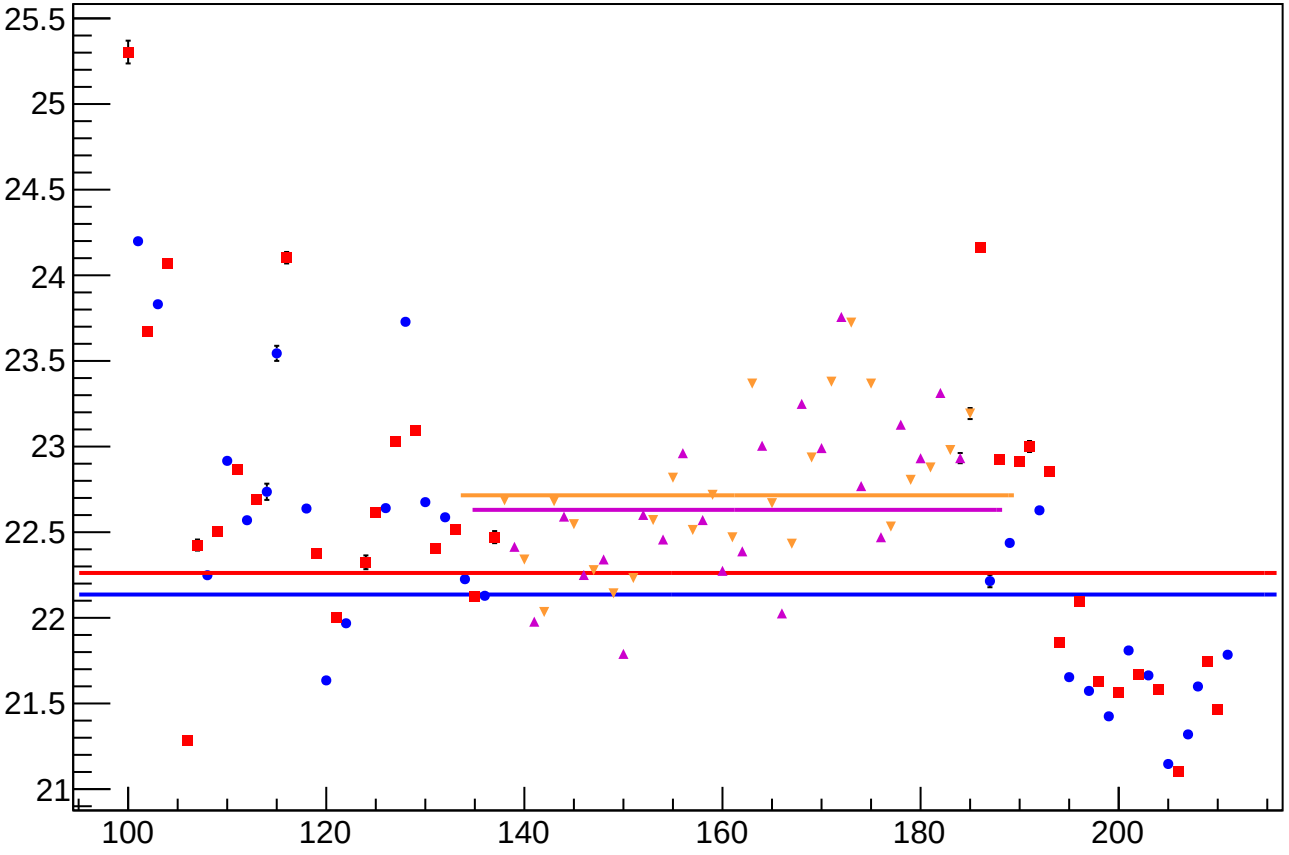
Left In: -5.668+/-5.286 χ^2/NDF:20.8/22

+ sign 3.075+/-3.741 χ^2/NDF: 69.0/52

All: -2.472+/-2.637 χ^2/NDF: 124.1/108

- sign -7.946+/-3.717 χ^2/NDF: 50.7/55

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 22.136+/-0.004 χ^2/NDF: 39250.4/27

Left Out: 22.715+/-0.004 χ^2/NDF:12181.4/24

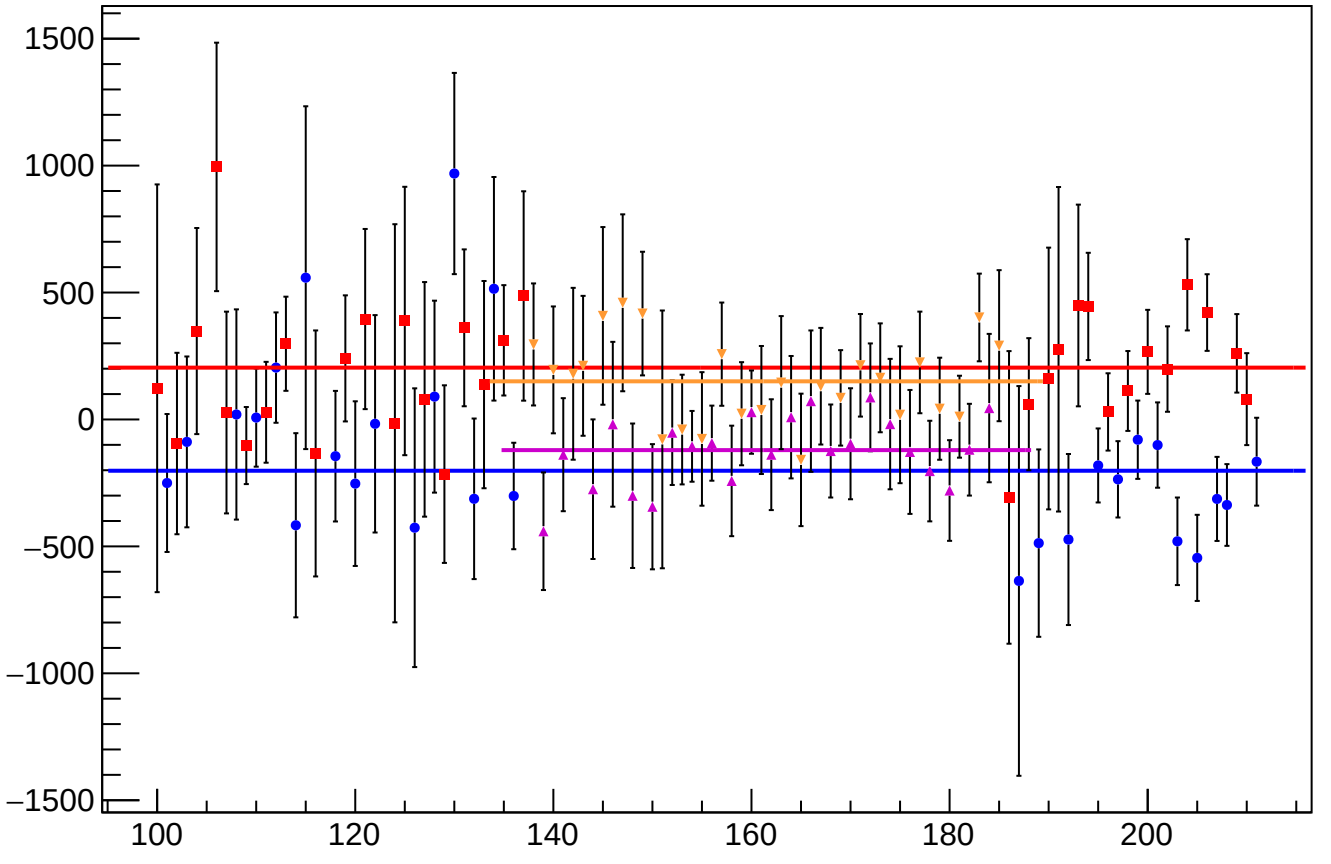
Right Out: 22.262+/-0.004 χ^2/NDF: 45937.8/32

Left In: 22.631+/-0.004 χ^2/NDF:15391.4/22

+ sign 22.440+/-0.003 χ^2/NDF: 63389.8/52

All: 22.442+/-0.002 χ^2/NDF: 129633.5/108

- sign 22.444+/-0.003 χ^2/NDF: 66242.7/55



Right In: -202.014+/-43.276 χ^2/NDF: 30.0/27

Left Out: 150.218+/-46.535 χ^2/NDF:11.0/24

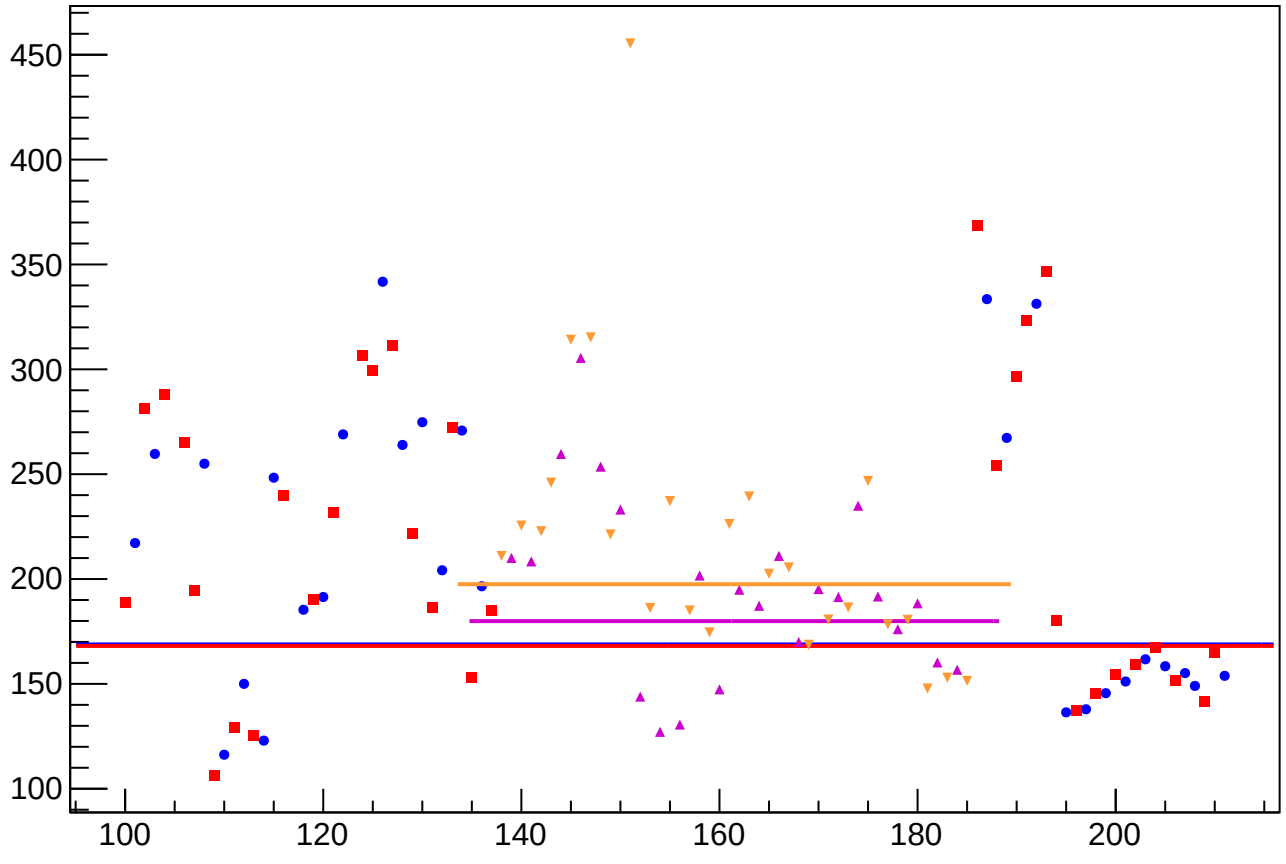
Right Out: 204.176+/-41.922 χ^2/NDF: 22.8/32

Left In: -120.760+/-43.920 χ^2/NDF:7.9/22

+ sign -38.661+/-31.690 χ^2/NDF: 71.7/52

All: 7.238+/-21.910 χ^2/NDF: 135.0/108

- sign 49.267+/-30.325 χ^2/NDF: 59.4/55



Right In: 168.802+/-0.031 χ^2/NDF: 2300933.1/27

Left Out: 197.534+/-0.033 χ^2/NDF:1789891.0/24

Right Out: 168.096+/-0.030 χ^2/NDF: 3019050.7/32

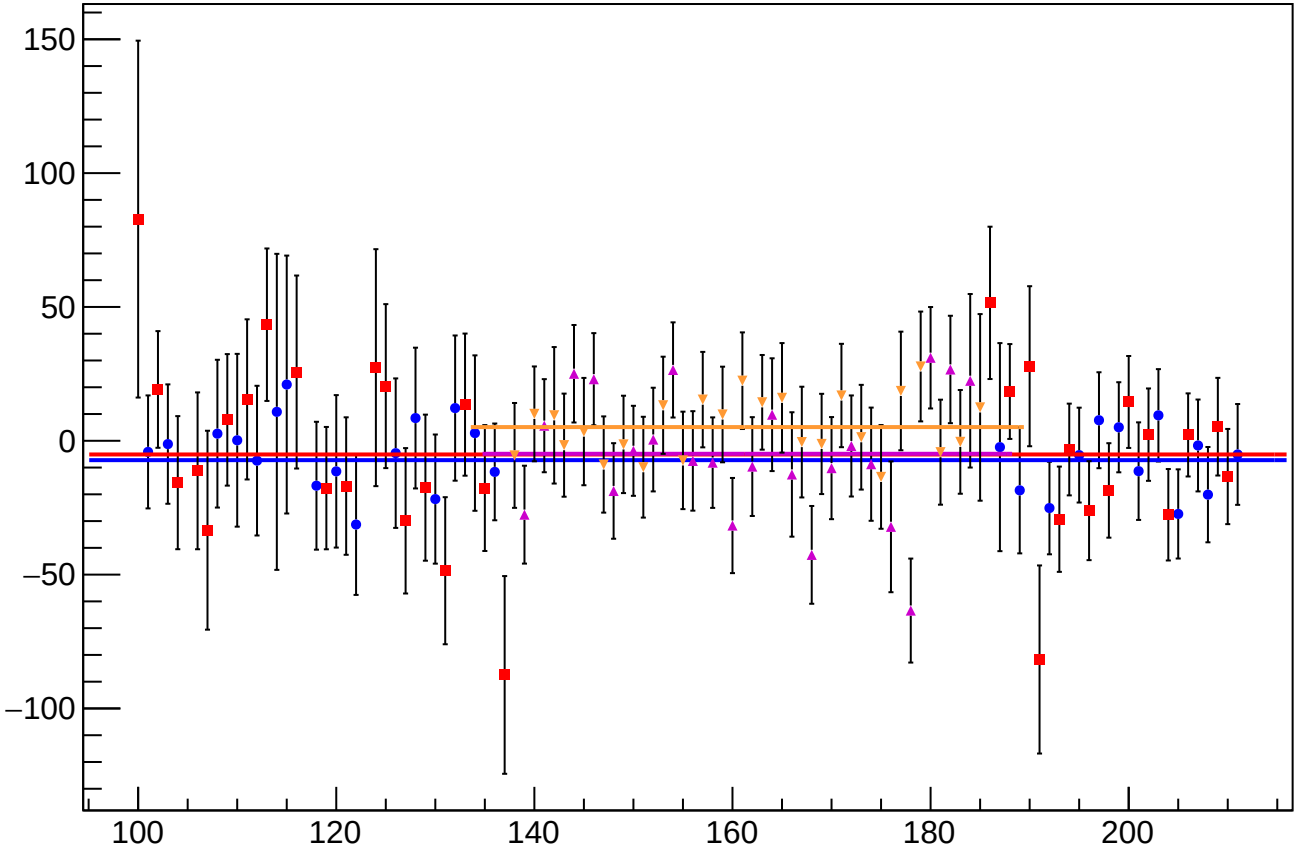
Left In: 179.923+/-0.031 χ^2/NDF:1624144.3/22

+ sign 182.127+/-0.022 χ^2/NDF: 4499667.8/52

All: 177.746+/-0.015 χ^2/NDF: 9291984.7/108

- sign 173.734+/-0.021 χ^2/NDF: 4719094.3/55

asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs Slug



Right In: -7.234+/-4.153 χ^2/NDF: 8.8/27

Left Out: 5.119+/-3.890 χ^2/NDF:7.9/24

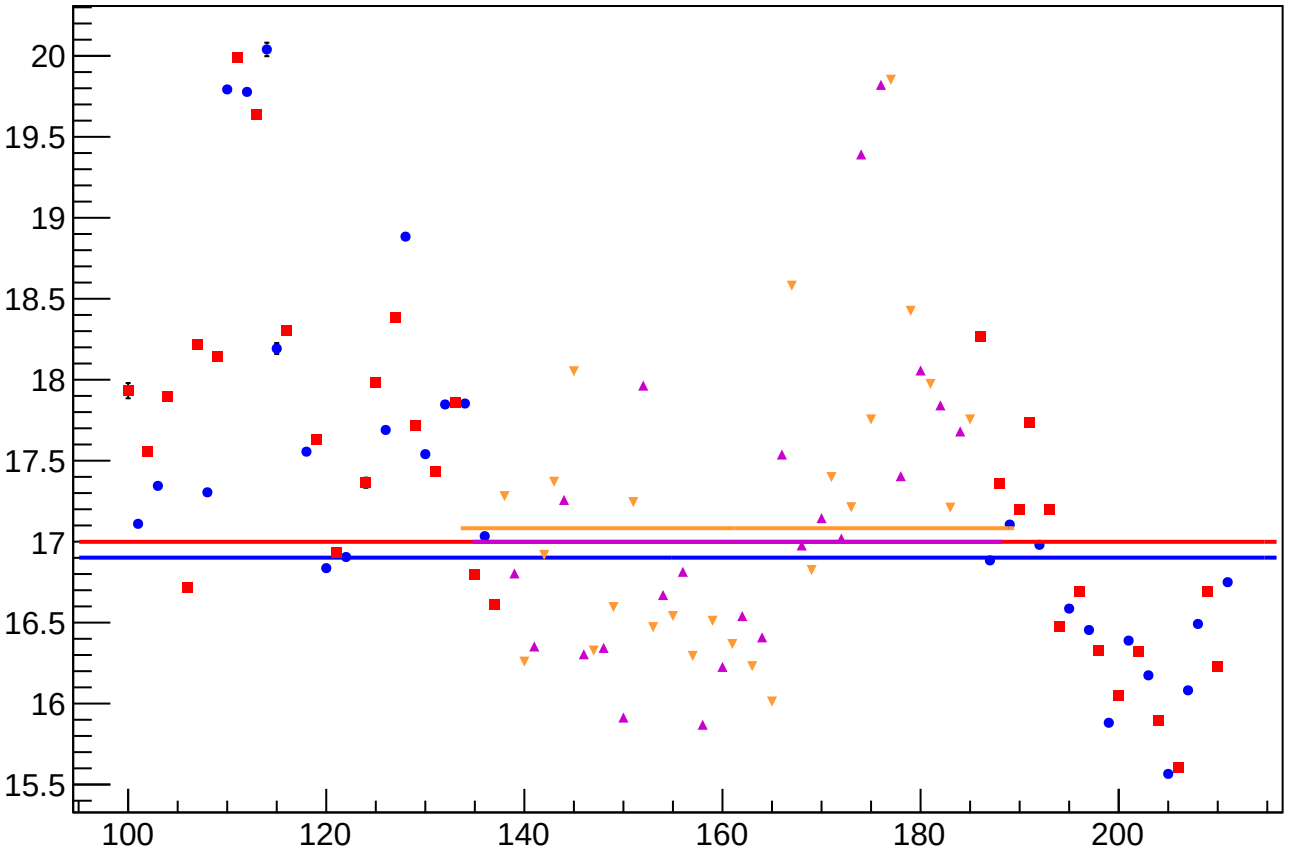
Right Out: -5.110+/-3.998 χ^2/NDF: 38.3/32

Left In: -4.858+/-3.980 χ^2/NDF:35.5/22

+ sign -0.654+/-2.839 χ^2/NDF: 21.4/52

All: -2.833+/-2.001 χ^2/NDF: 96.4/108

- sign -4.984+/-2.821 χ^2/NDF: 73.8/55



Right In: 16.901+/-0.003 χ^2/NDF: 99425.7/27

Left Out: 17.083+/-0.003 χ^2/NDF:96774.9/24

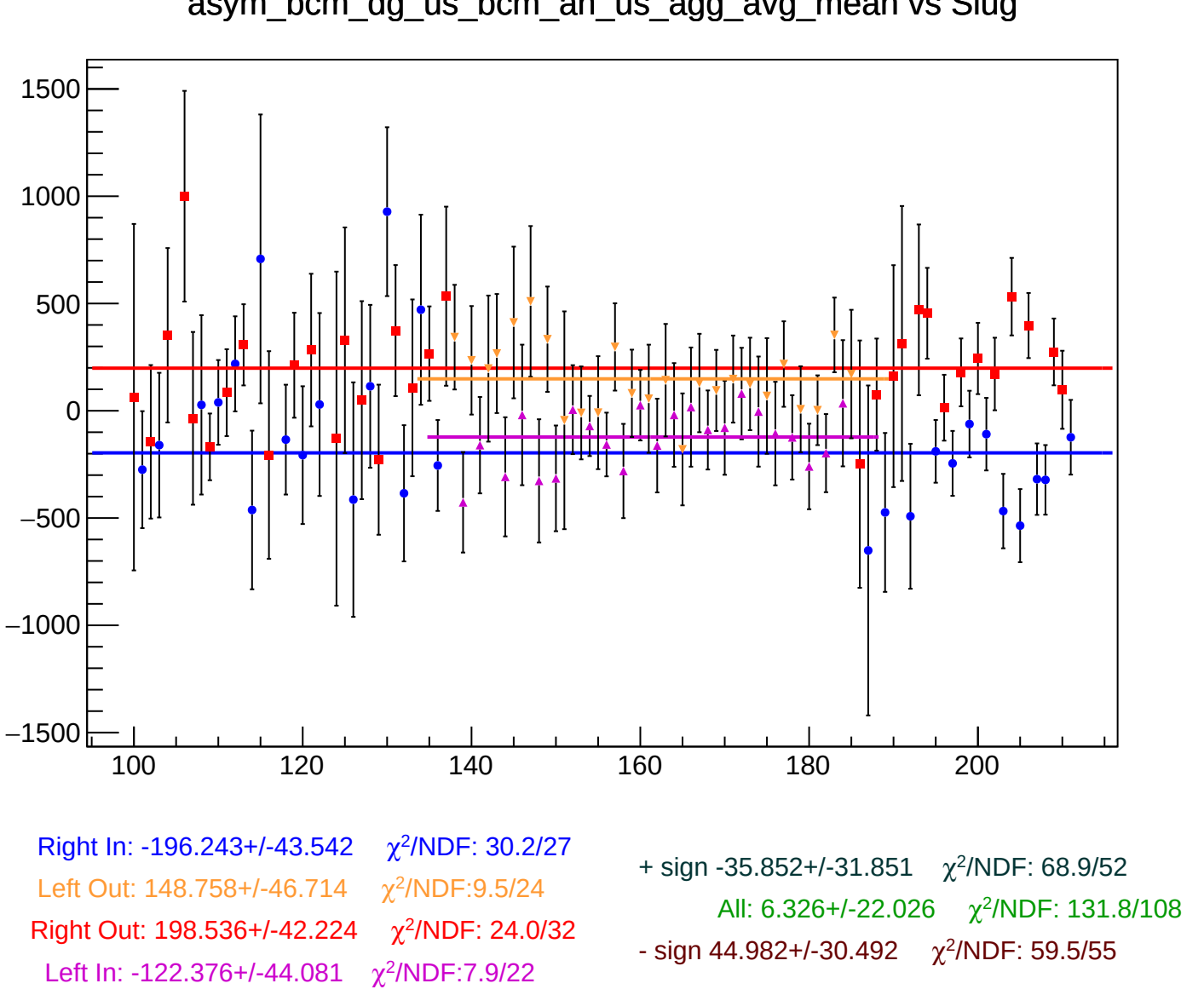
Right Out: 16.999+/-0.003 χ^2/NDF: 113362.4/32

Left In: 16.999+/-0.003 χ^2/NDF:104021.0/22

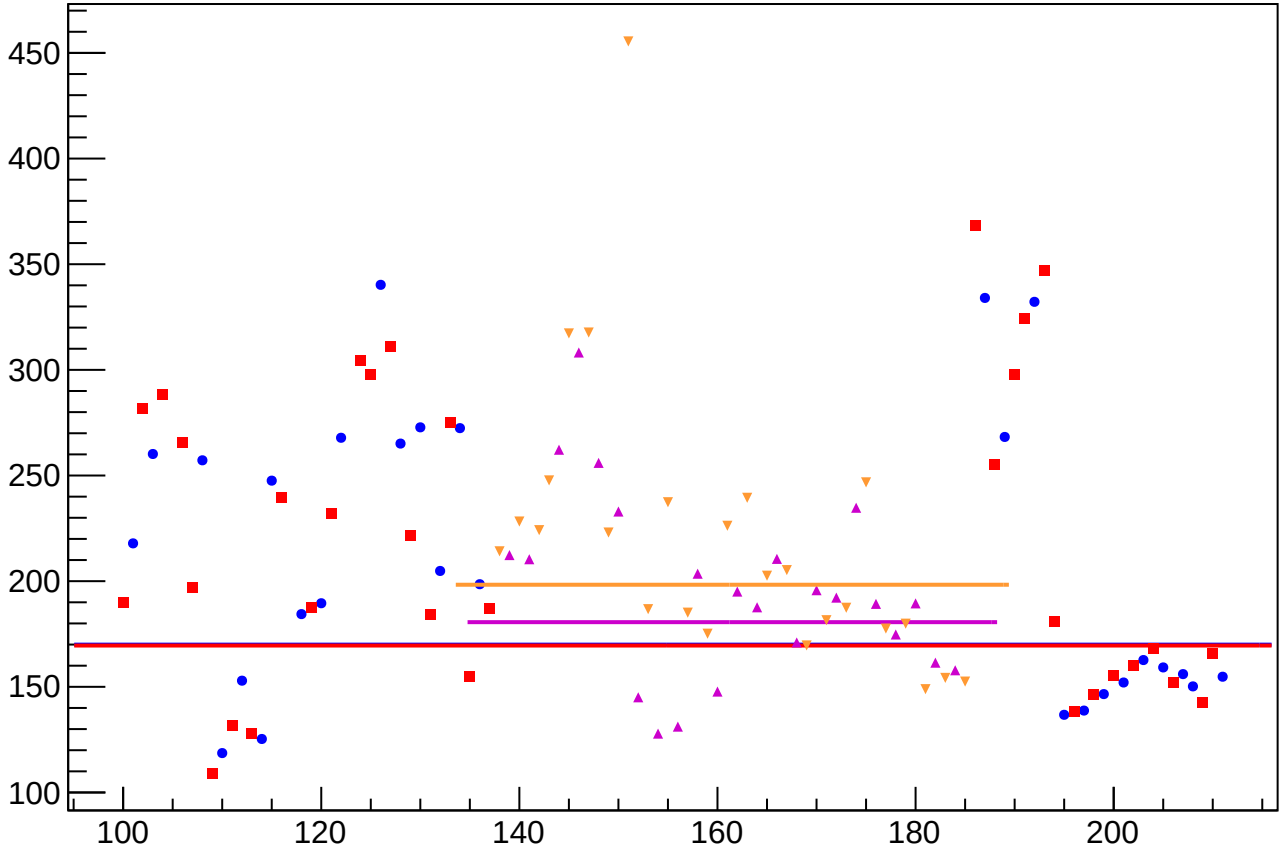
+ sign 16.998+/-0.002 χ^2/NDF: 198239.2/52

All: 16.998+/-0.001 χ^2/NDF: 415622.7/108

- sign 16.999+/-0.002 χ^2/NDF: 217383.4/55


asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs Slug
1500
1000
500
0
−500
−1000
−1500
100
120
140
160
180
200
Right In: -196.243+/-43.542 χ²/NDF: 30.2/27
Left Out: 148.758+/-46.714 χ²/NDF:9.5/24
Right Out: 198.536+/-42.224 χ²/NDF: 24.0/32
Left In: -122.376+/-44.081 χ²/NDF:7.9/22
+ sign -35.852+/-31.851 χ²/NDF: 68.9/52
All: 6.326+/-22.026 χ²/NDF: 131.8/108
- sign 44.982+/-30.492 χ²/NDF: 59.5/55

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs Slug



Right In: 169.961+/-0.031 χ^2/NDF: 2257969.3/27

Left Out: 198.313+/-0.033 χ^2/NDF:1790279.4/24

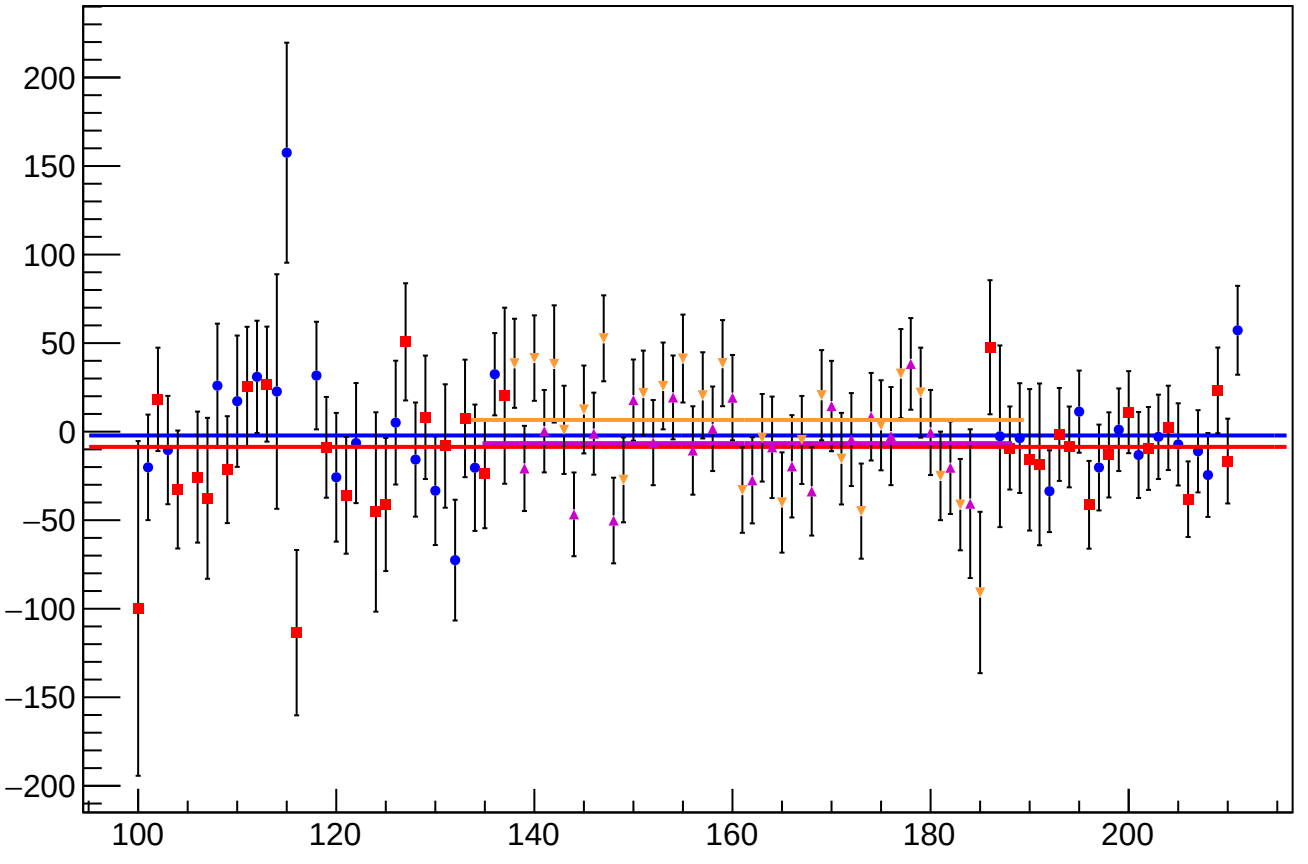
Right Out: 169.542+/-0.030 χ^2/NDF: 2930248.1/32

Left In: 180.601+/-0.031 χ^2/NDF:1628072.3/22

+ sign 183.142+/-0.023 χ^2/NDF: 4442466.4/52

All: 178.807+/-0.016 χ^2/NDF: 9137446.4/108

- sign 174.834+/-0.022 χ^2/NDF: 4623973.6/55



Right In: -2.162+/-5.463 χ^2/NDF: 28.5/27

Left Out: 6.611+/-5.117 χ^2/NDF:36.9/24

Right Out: -8.604+/-5.247 χ^2/NDF: 25.3/32

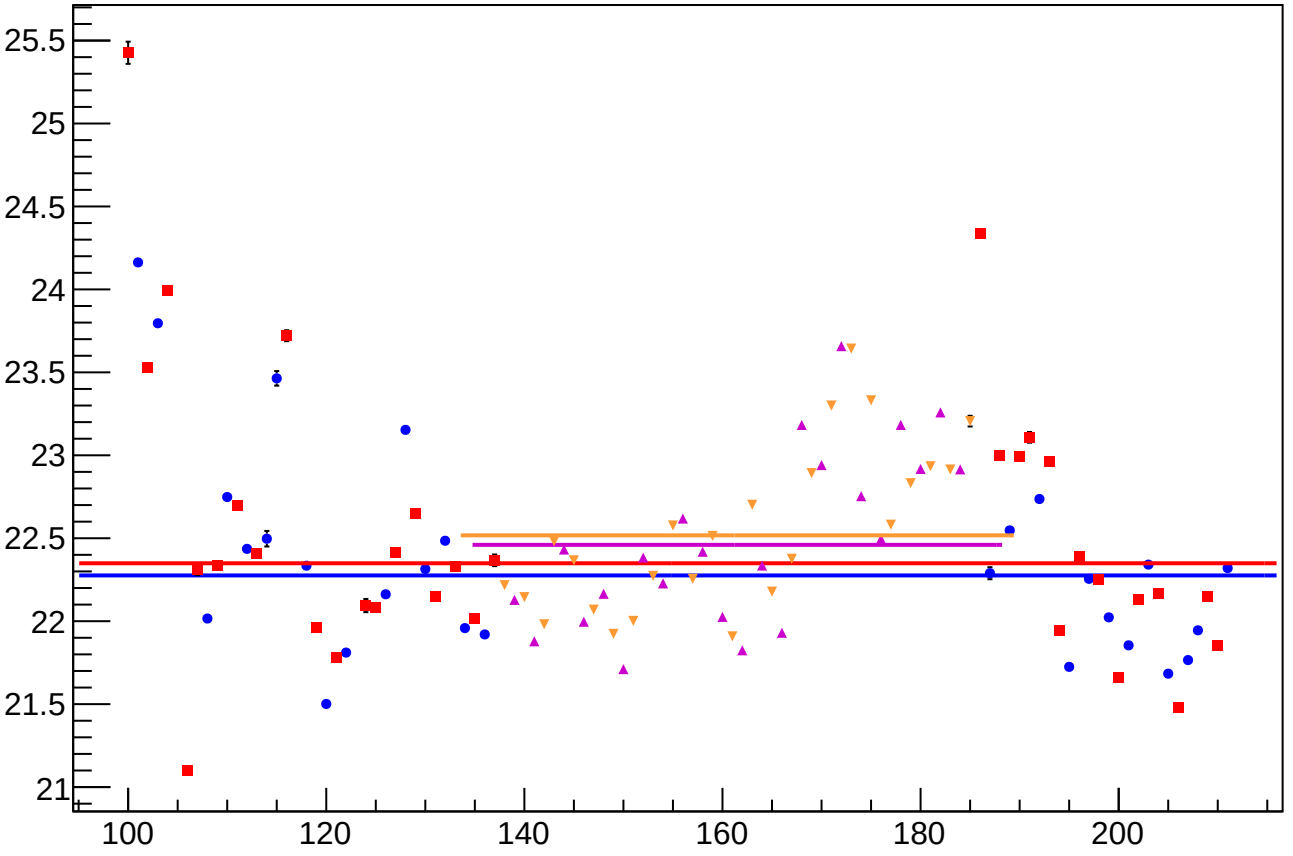
Left In: -6.482+/-5.247 χ^2/NDF:17.4/22

+ sign 2.511+/-3.735 χ^2/NDF: 66.8/52

All: -2.550+/-2.632 χ^2/NDF: 113.2/108

- sign -7.543+/-3.710 χ^2/NDF: 42.8/55

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs Slug



Right In: 22.276+/-0.004 χ^2/NDF: 23293.9/27

Left Out: 22.517+/-0.004 χ^2/NDF:16002.5/24

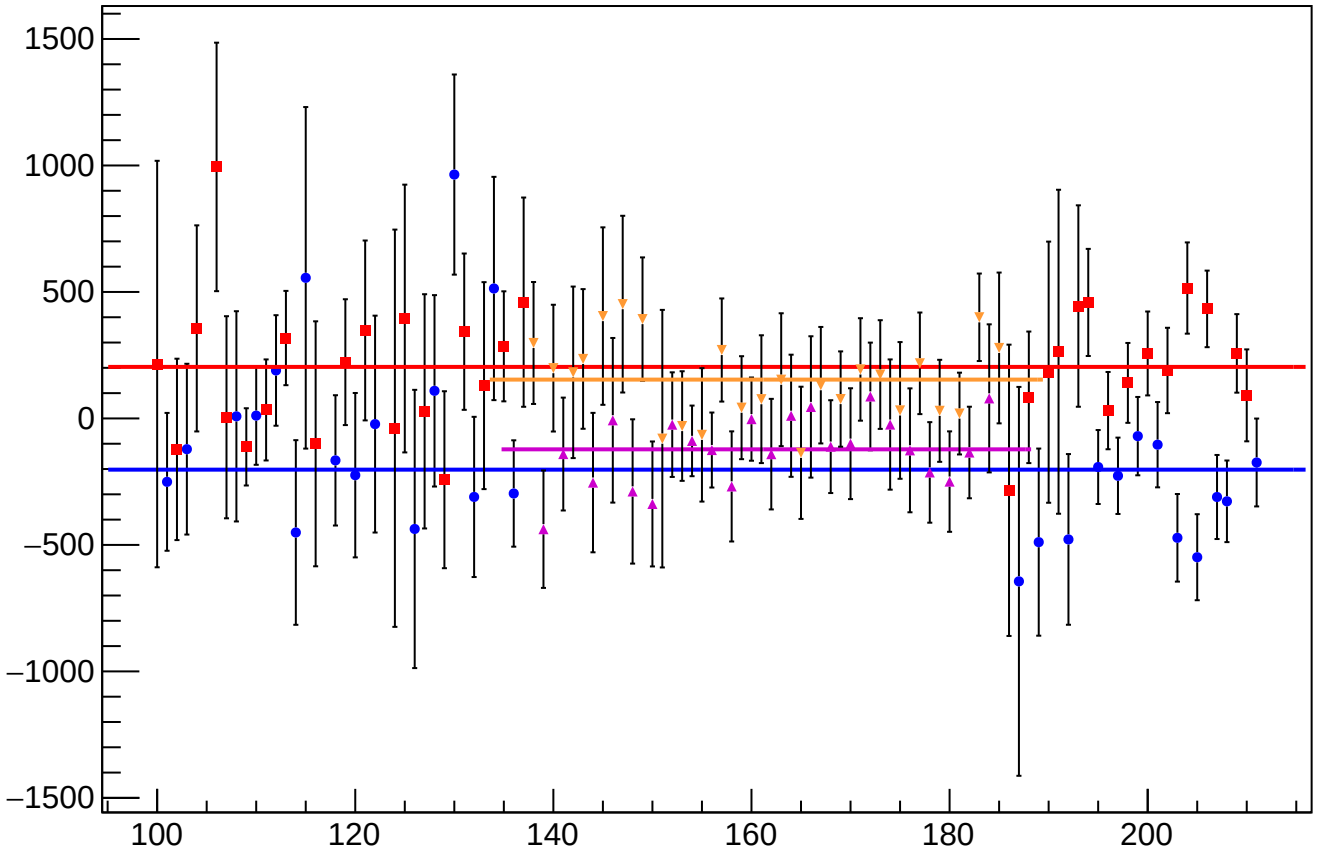
Right Out: 22.349+/-0.004 χ^2/NDF: 32301.8/32

Left In: 22.460+/-0.004 χ^2/NDF:19117.2/22

+ sign 22.404+/-0.003 χ^2/NDF: 41379.8/52

All: 22.405+/-0.002 χ^2/NDF: 93246.4/108

- sign 22.405+/-0.003 χ^2/NDF: 51866.6/55



Right In: -202.462+/-43.411 χ^2/NDF: 29.5/27

Left Out: 153.507+/-46.636 χ^2/NDF:10.1/24

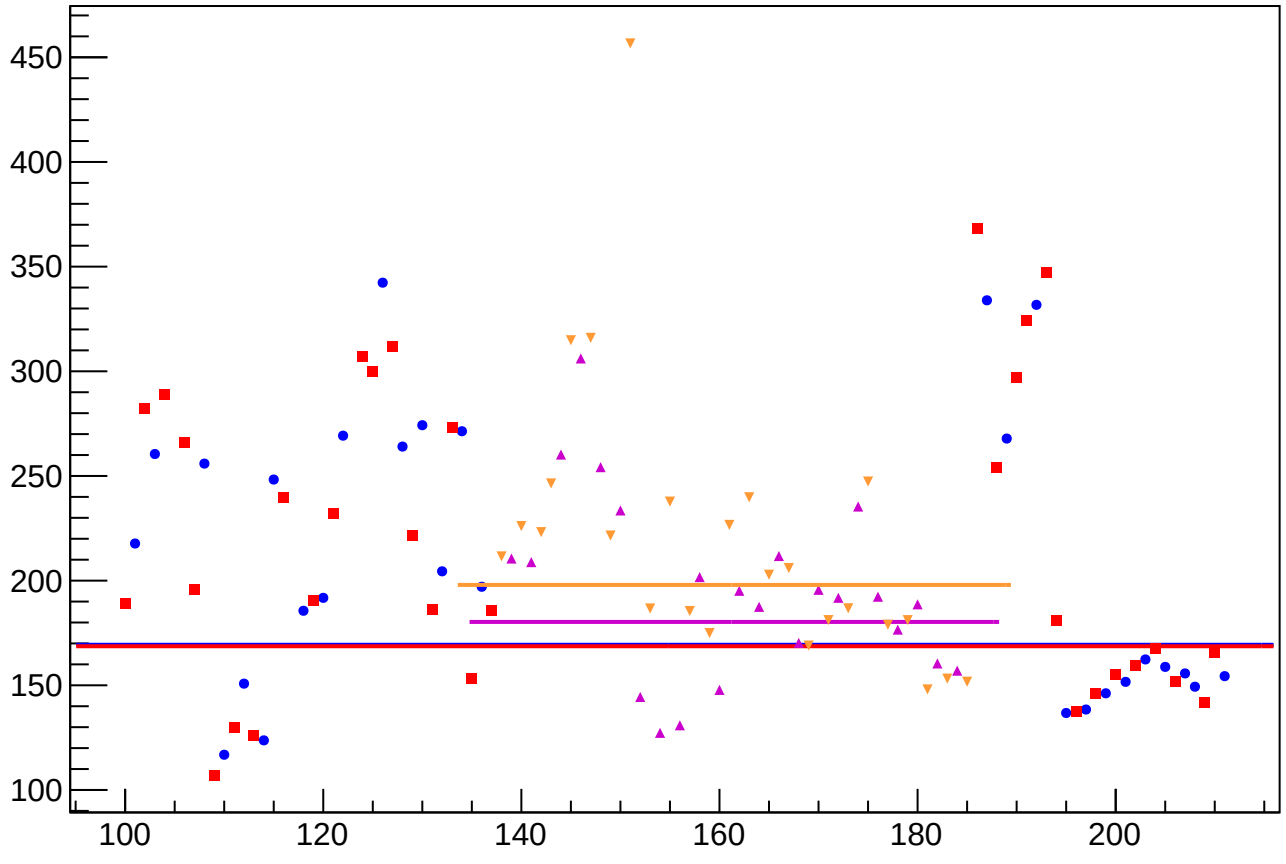
Right Out: 203.721+/-42.050 χ^2/NDF: 22.6/32

Left In: -122.165+/-44.006 χ^2/NDF:7.5/22

+ sign -37.212+/-31.775 χ^2/NDF: 70.8/52

All: 7.369+/-21.967 χ^2/NDF: 133.3/108

- sign 48.180+/-30.402 χ^2/NDF: 58.7/55



Right In: 169.360+/-0.031 χ^2/NDF: 2288087.1/27

Left Out: 197.957+/-0.033 χ^2/NDF:1791354.6/24

Right Out: 168.656+/-0.030 χ^2/NDF: 3000414.0/32

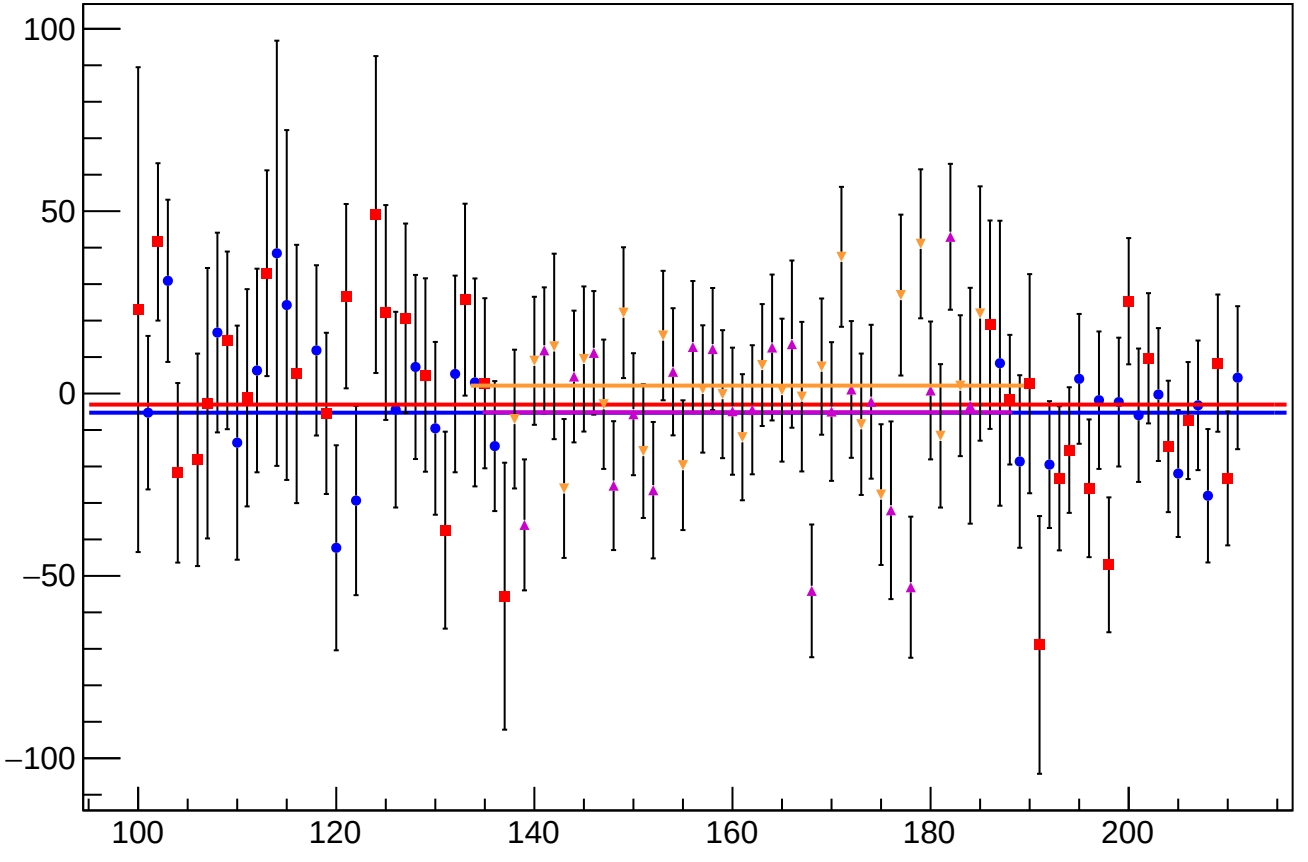
Left In: 180.274+/-0.031 χ^2/NDF:1624682.7/22

+ sign 182.635+/-0.022 χ^2/NDF: 4482373.9/52

All: 178.232+/-0.016 χ^2/NDF: 9253900.5/108

- sign 174.201+/-0.021 χ^2/NDF: 4697964.9/55

asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs Slug



Right In: -5.251+/-4.200 χ^2/NDF: 12.6/27

Left Out: 2.174+/-3.825 χ^2/NDF:20.0/24

Right Out: -3.031+/-4.029 χ^2/NDF: 35.0/32

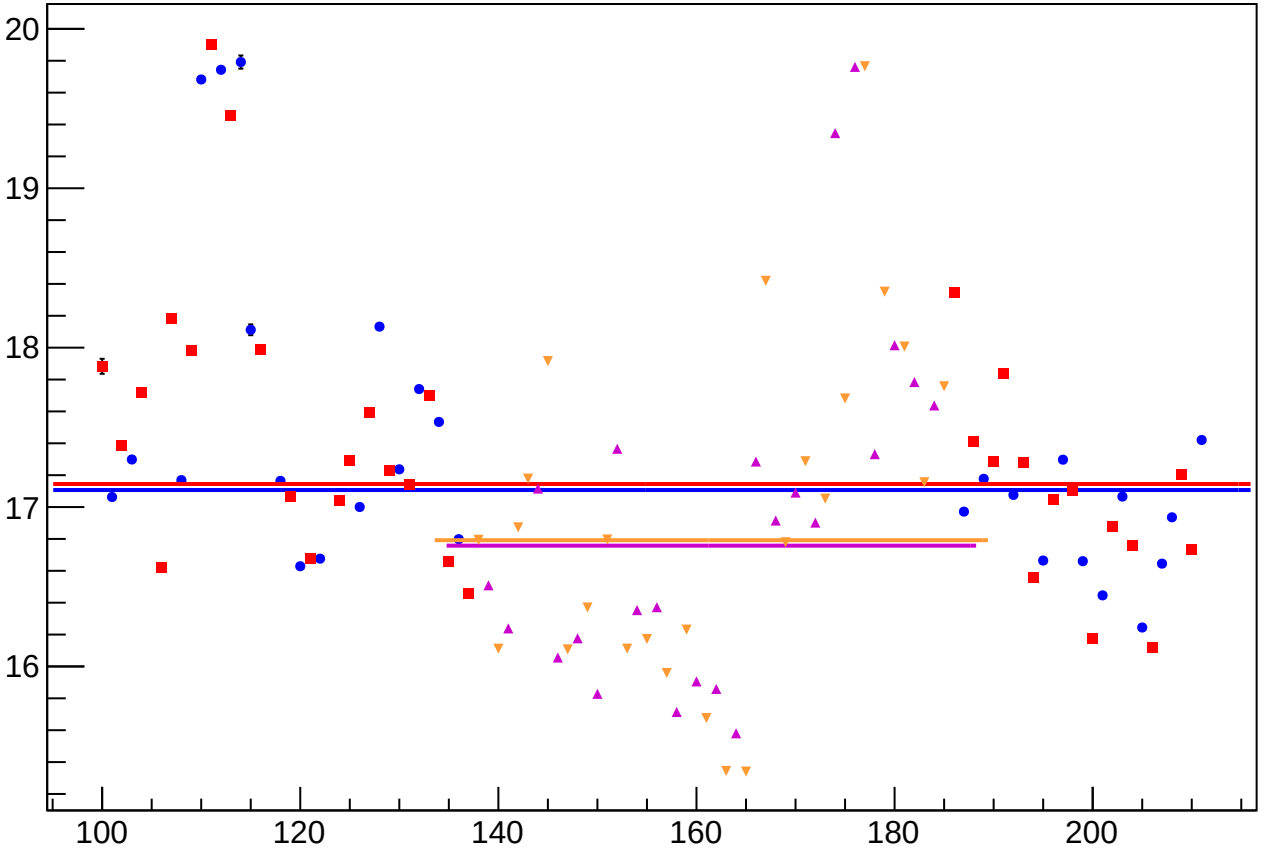
Left In: -5.150+/-3.924 χ^2/NDF:32.3/22

+ sign -1.192+/-2.828 χ^2/NDF: 34.3/52

All: -2.664+/-1.994 χ^2/NDF: 102.2/108

- sign -4.119+/-2.811 χ^2/NDF: 67.4/55

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs Slug



Right In: 17.107+/-0.003 χ^2/NDF: 55040.3/27

Left Out: 16.792+/-0.003 χ^2/NDF:137000.5/24

Right Out: 17.145+/-0.003 χ^2/NDF: 65832.2/32

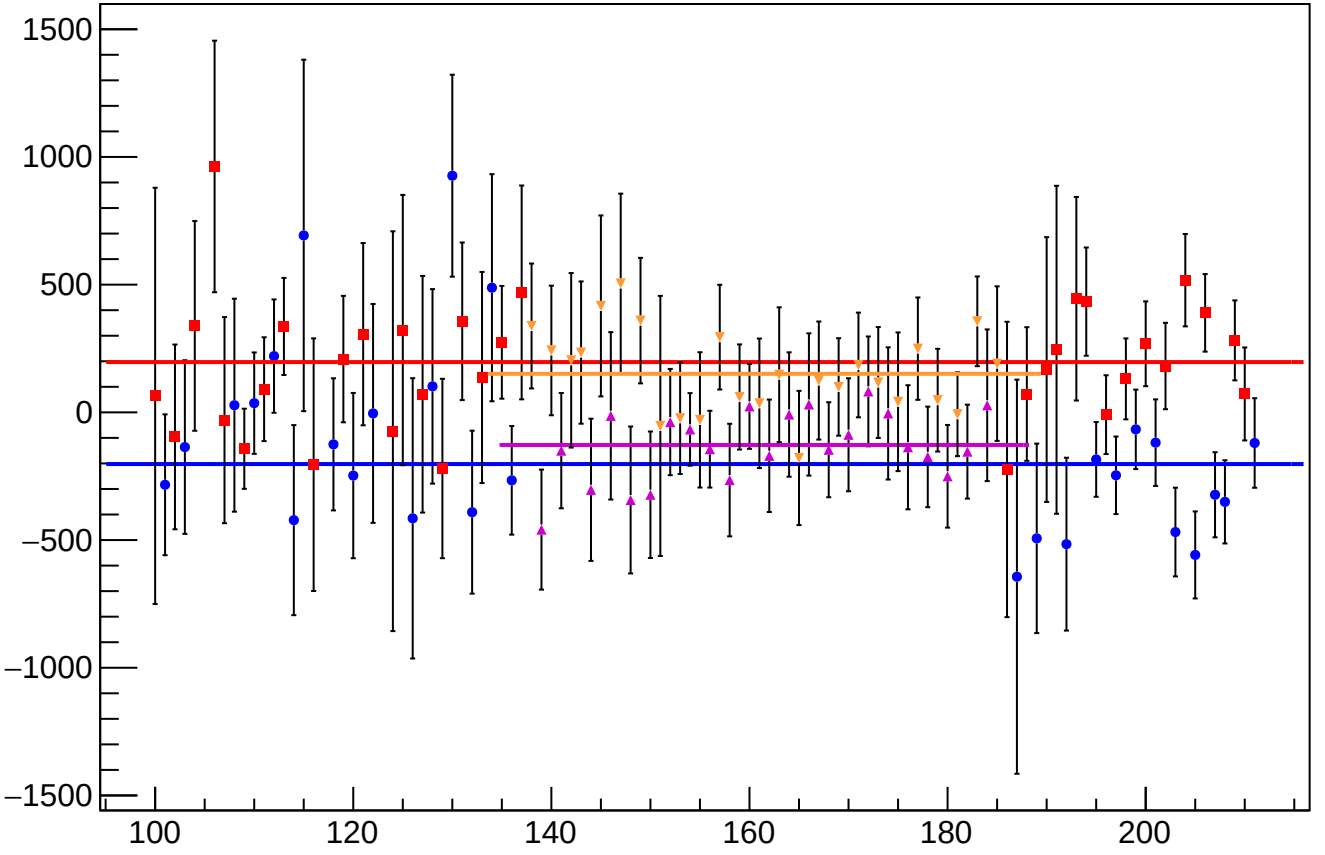
Left In: 16.758+/-0.003 χ^2/NDF:123306.8/22

\+ sign 16.935+/-0.002 χ^2/NDF: 198182.8/52

All: 16.940+/-0.001 χ^2/NDF: 396794.7/108

\- sign 16.946+/-0.002 χ^2/NDF: 198595.7/55

asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs Slug



Right In: -202.447+/-43.689 χ^2/NDF: 30.8/27

Left Out: 150.884+/-47.035 χ^2/NDF:10.0/24

Right Out: 196.868+/-42.366 χ^2/NDF: 22.4/32

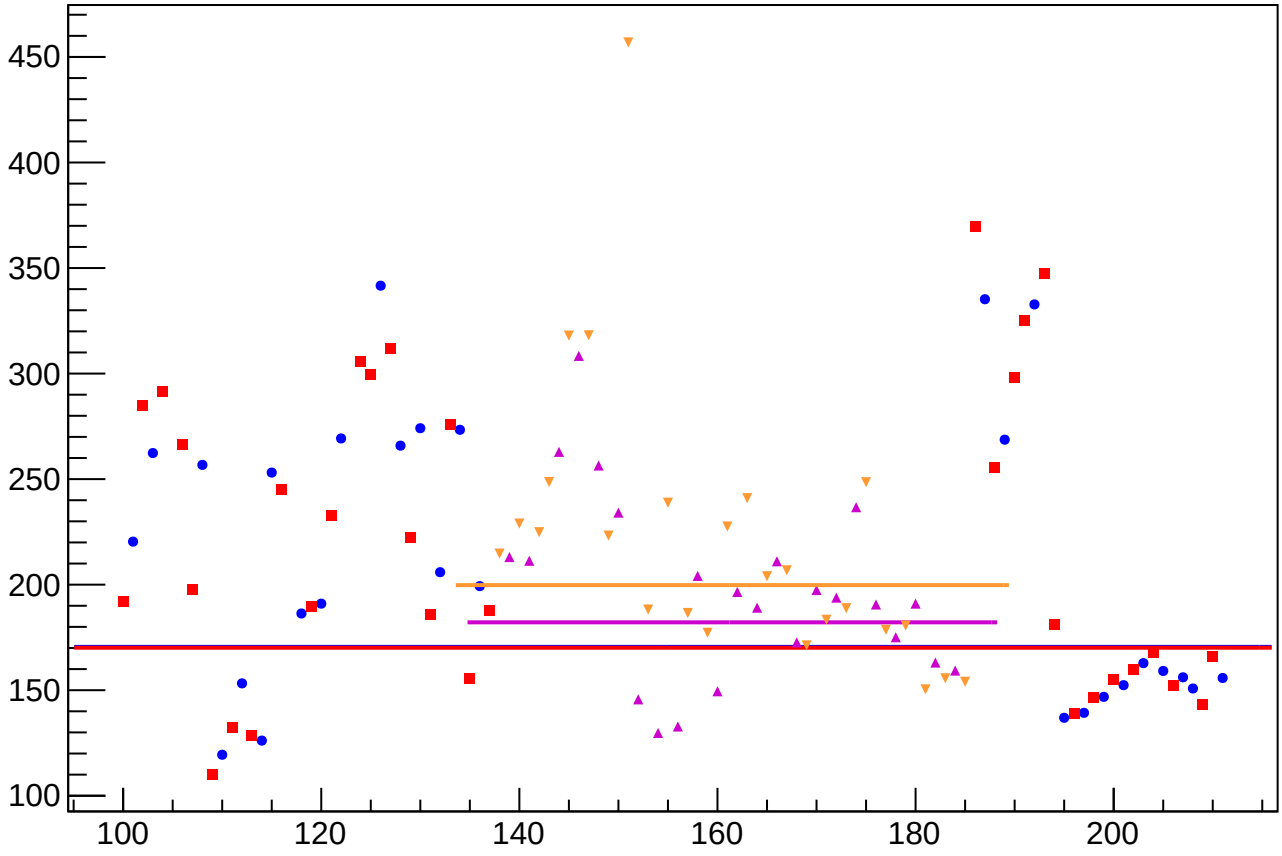
Left In: -127.710+/-44.426 χ^2/NDF:7.8/22

+ sign -38.794+/-32.010 χ^2/NDF: 71.1/52

All: 3.489+/-22.142 χ^2/NDF: 132.6/108

- sign 42.279+/-30.660 χ^2/NDF: 58.1/55

asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs Slug



Right In: 170.521+/-0.031 χ^2/NDF: 2267306.6/27

Left Out: 199.785+/-0.033 χ^2/NDF:1760326.2/24

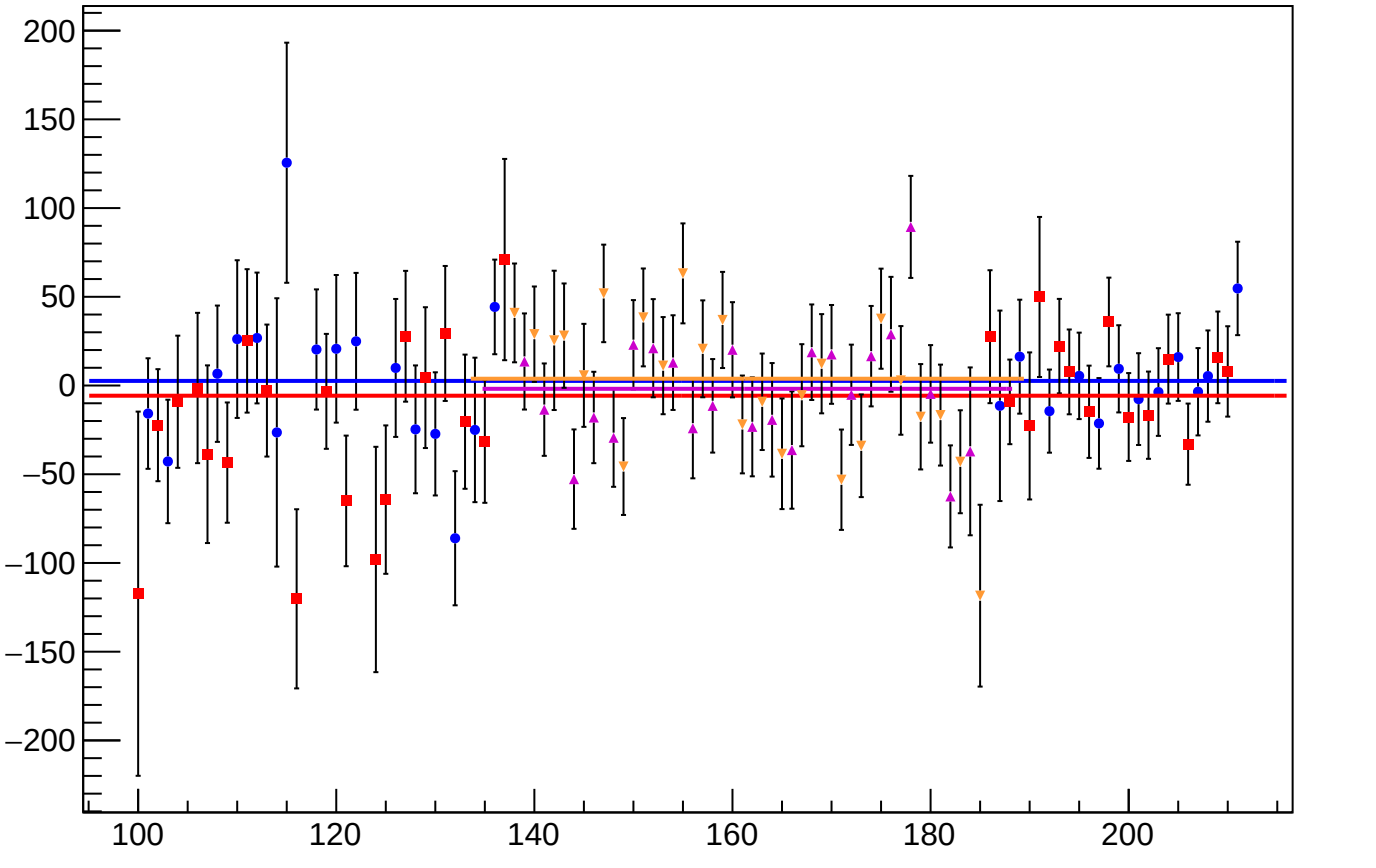
Right Out: 170.131+/-0.030 χ^2/NDF: 2933598.5/32

Left In: 182.150+/-0.031 χ^2/NDF:1584358.1/22

\+ sign 184.075+/-0.023 χ^2/NDF: 4443254.4/52

All: 179.788+/-0.016 χ^2/NDF: 9106642.0/108

\- sign 175.856+/-0.022 χ^2/NDF: 4594617.5/55



Right In: 2.602+/-5.907 χ^2/NDF: 23.0/27

Left Out: 3.831+/-5.789 χ^2/NDF:37.6/24

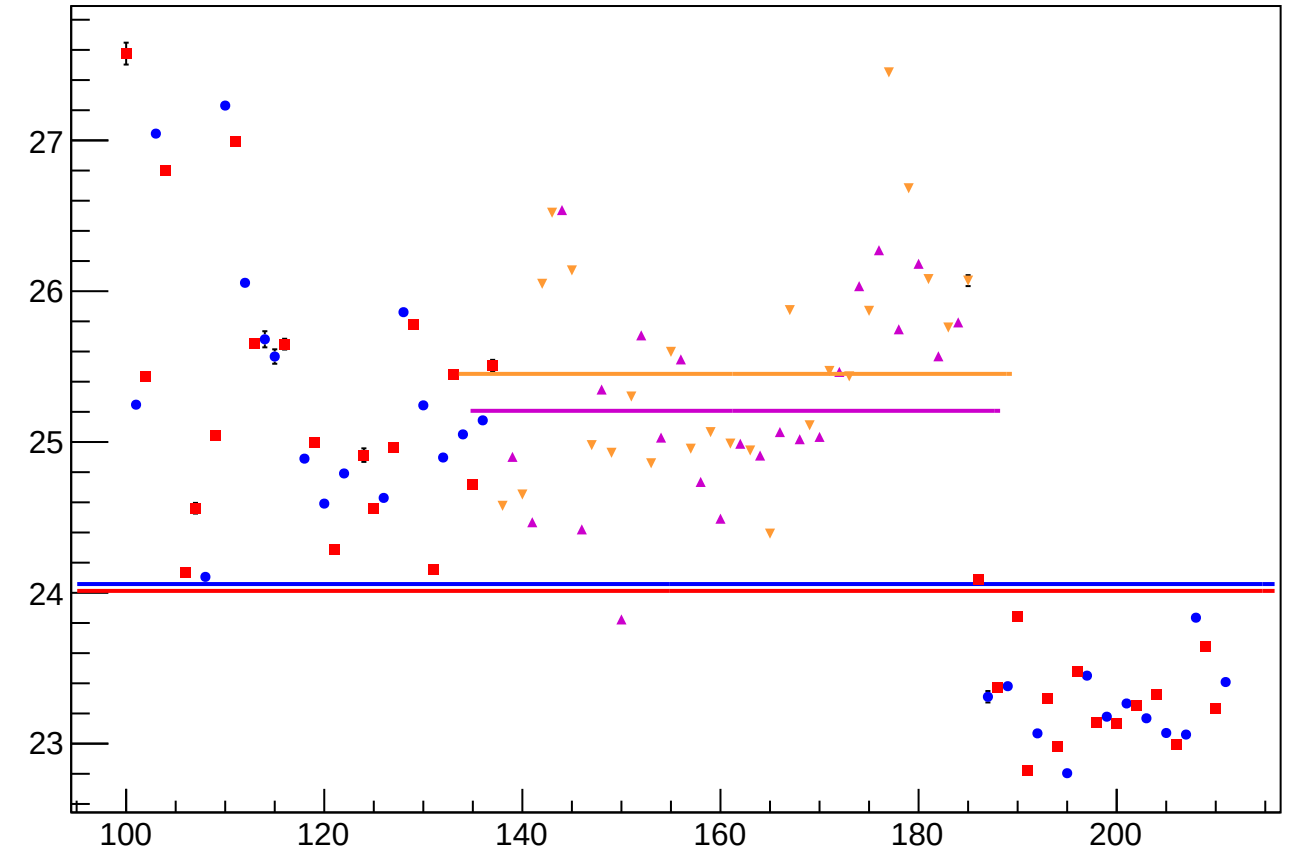
Right Out: -5.743+/-5.642 χ^2/NDF: 30.2/32

Left In: -1.850+/-5.893 χ^2/NDF:28.1/22

+ sign 3.229+/-4.134 χ^2/NDF: 60.7/52

All: -0.377+/-2.902 χ^2/NDF: 120.6/108

- sign -3.881+/-4.076 χ^2/NDF: 58.5/55



Right In: 24.058+/-0.004 χ^2/NDF: 77337.0/27

Left Out: 25.452+/-0.004 χ^2/NDF:29612.4/24

Right Out: 24.013+/-0.004 χ^2/NDF: 73276.6/32

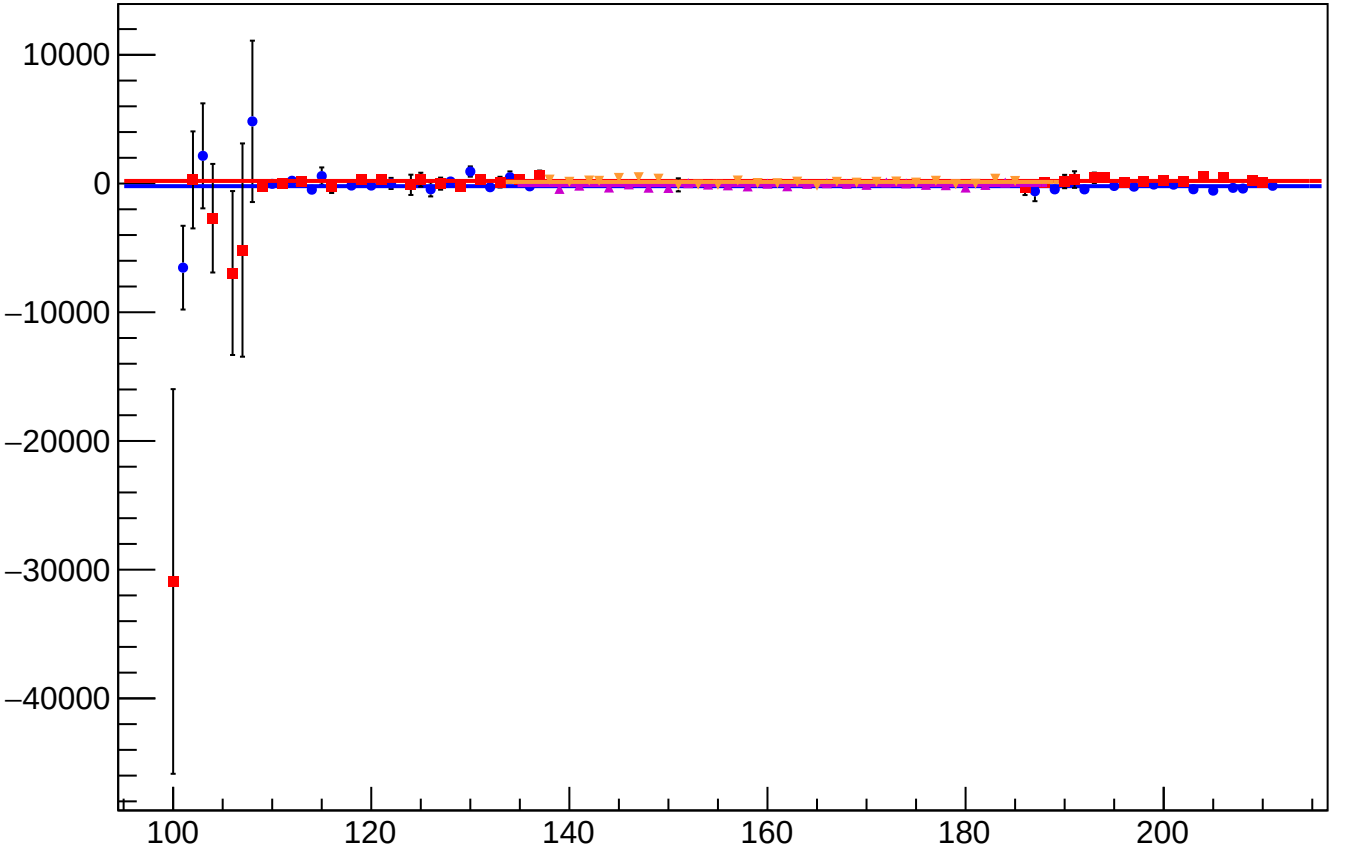
Left In: 25.207+/-0.004 χ^2/NDF:25827.4/22

+ sign 24.769+/-0.003 χ^2/NDF: 163736.9/52

All: 24.675+/-0.002 χ^2/NDF: 307716.5/108

- sign 24.584+/-0.003 χ^2/NDF: 141943.1/55

asym_bcm_cav4cQ_bcm_an_us_agg_avg_mean vs Slug



Right In: -203.702+/-45.631 χ^2/NDF: 33.4/27

Left Out: 125.161+/-46.925 χ^2/NDF:11.1/24

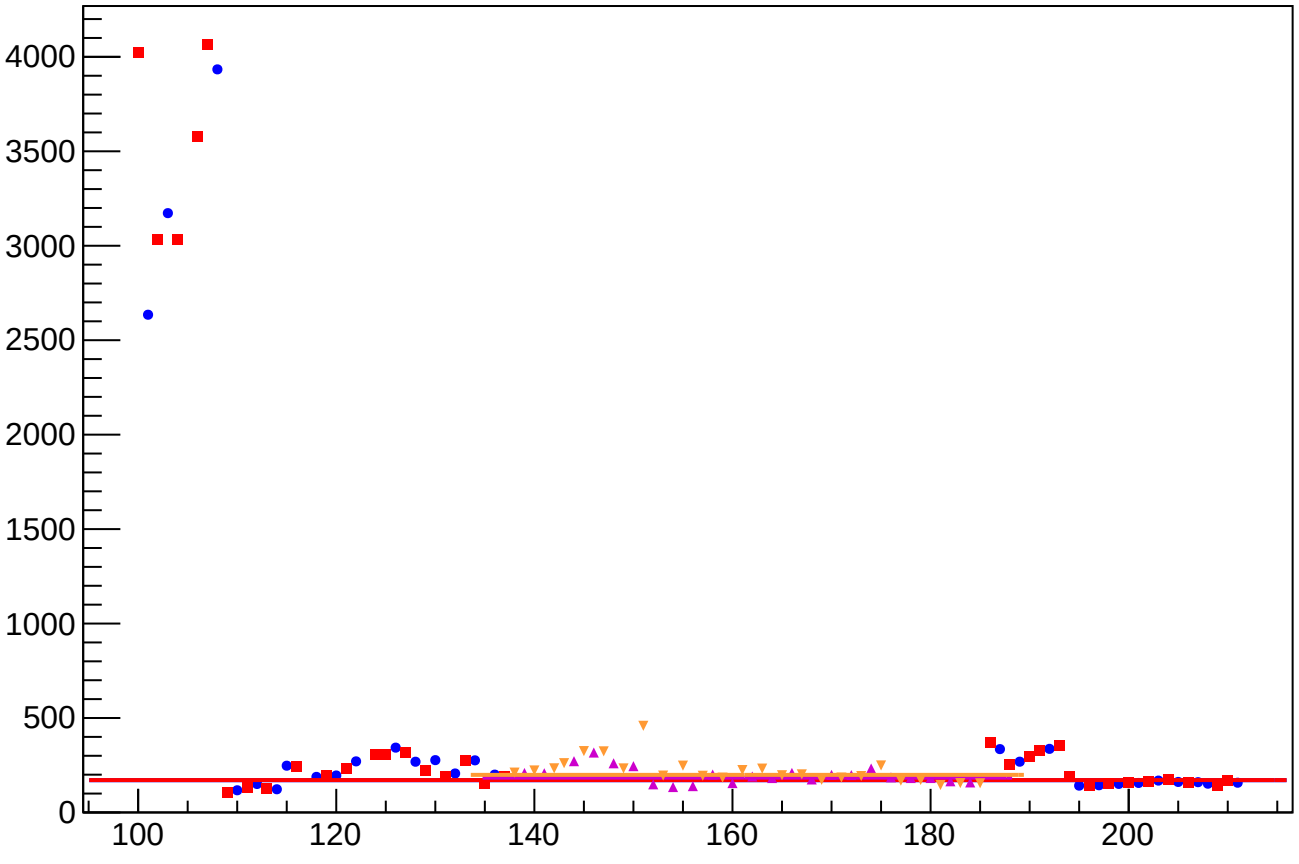
Right Out: 202.165+/-44.755 χ^2/NDF: 25.1/32

Left In: -117.291+/-44.871 χ^2/NDF:8.0/22

+ sign -43.869+/-32.714 χ^2/NDF: 69.7/52

All: 0.873+/-22.761 χ^2/NDF: 131.8/108

- sign 42.852+/-31.688 χ^2/NDF: 58.5/55



Right In: 170.574+/-0.032 χ^2/NDF: 4868417.4/27

Left Out: 198.994+/-0.033 χ^2/NDF:1902155.1/24

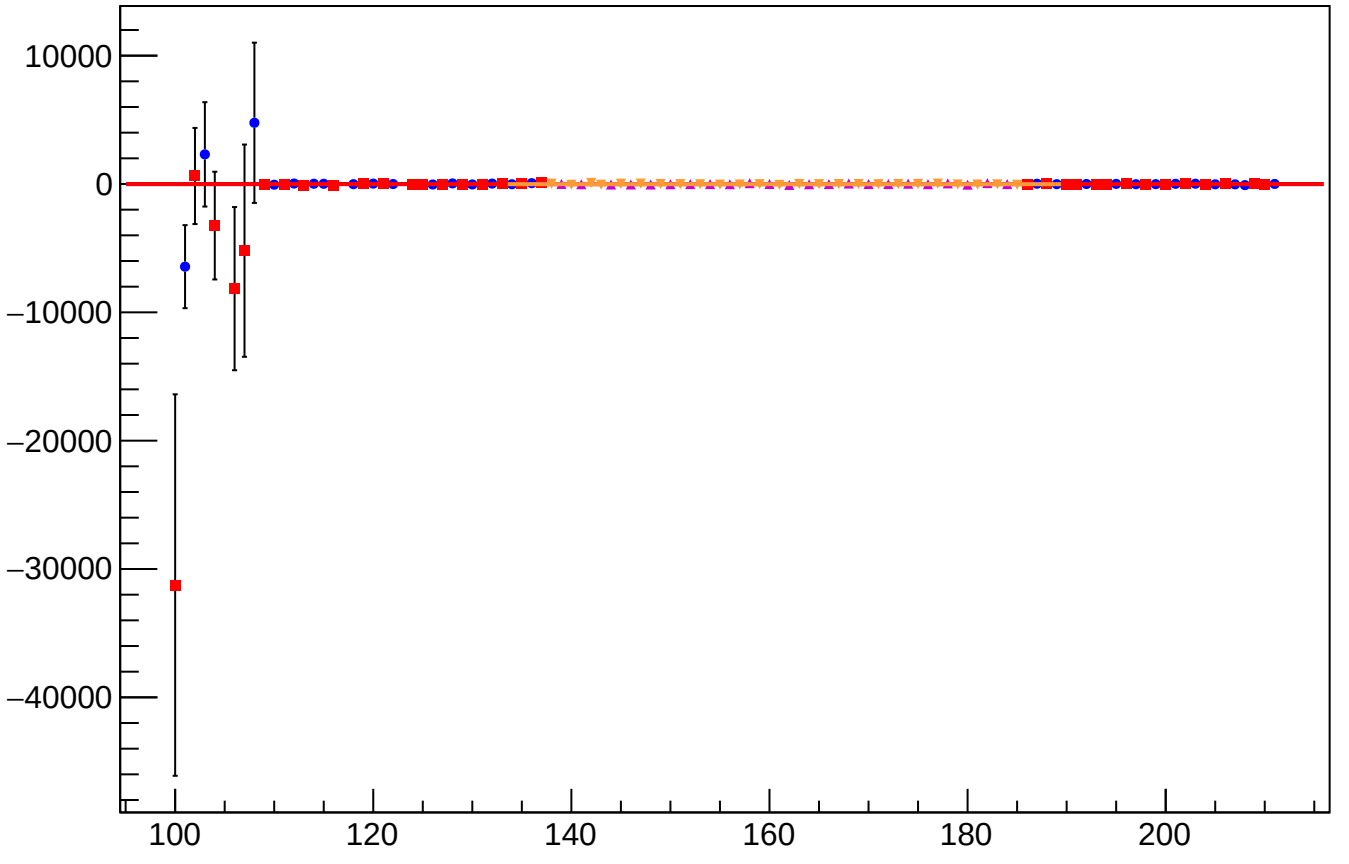
Right Out: 171.374+/-0.032 χ^2/NDF: 5575824.7/32

Left In: 184.399+/-0.032 χ^2/NDF:1446306.0/22

+ sign 184.386+/-0.023 χ^2/NDF: 7147631.2/52

All: 181.024+/-0.016 χ^2/NDF: 14295183.1/10

- sign 177.870+/-0.022 χ^2/NDF: 7106602.8/55



Right In: -3.524+/-7.077 χ^2/NDF: 28.3/27

Left Out: -14.827+/-6.512 χ^2/NDF:22.2/24

Right Out: -9.303+/-6.829 χ^2/NDF: 33.6/32

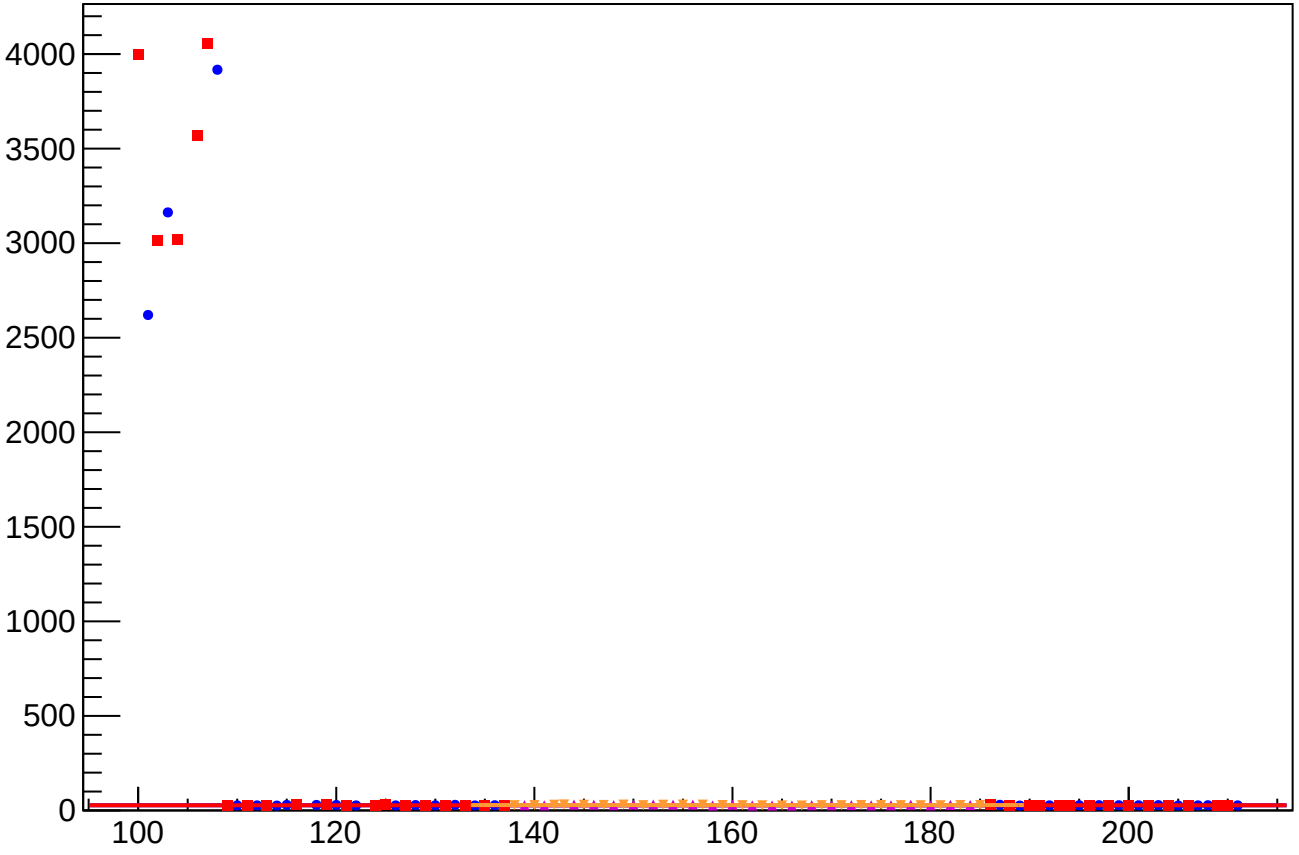
Left In: -2.172+/-6.703 χ^2/NDF:28.3/22

+ sign -9.645+/-4.792 χ^2/NDF: 51.9/52

All: -7.655+/-3.385 χ^2/NDF: 114.7/108

- sign -5.672+/-4.784 χ^2/NDF: 62.5/55

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs Slug



Right In: 27.379+/-0.005 χ^2/NDF: 3280416.2/27

Left Out: 28.586+/-0.005 χ^2/NDF:88130.9/24

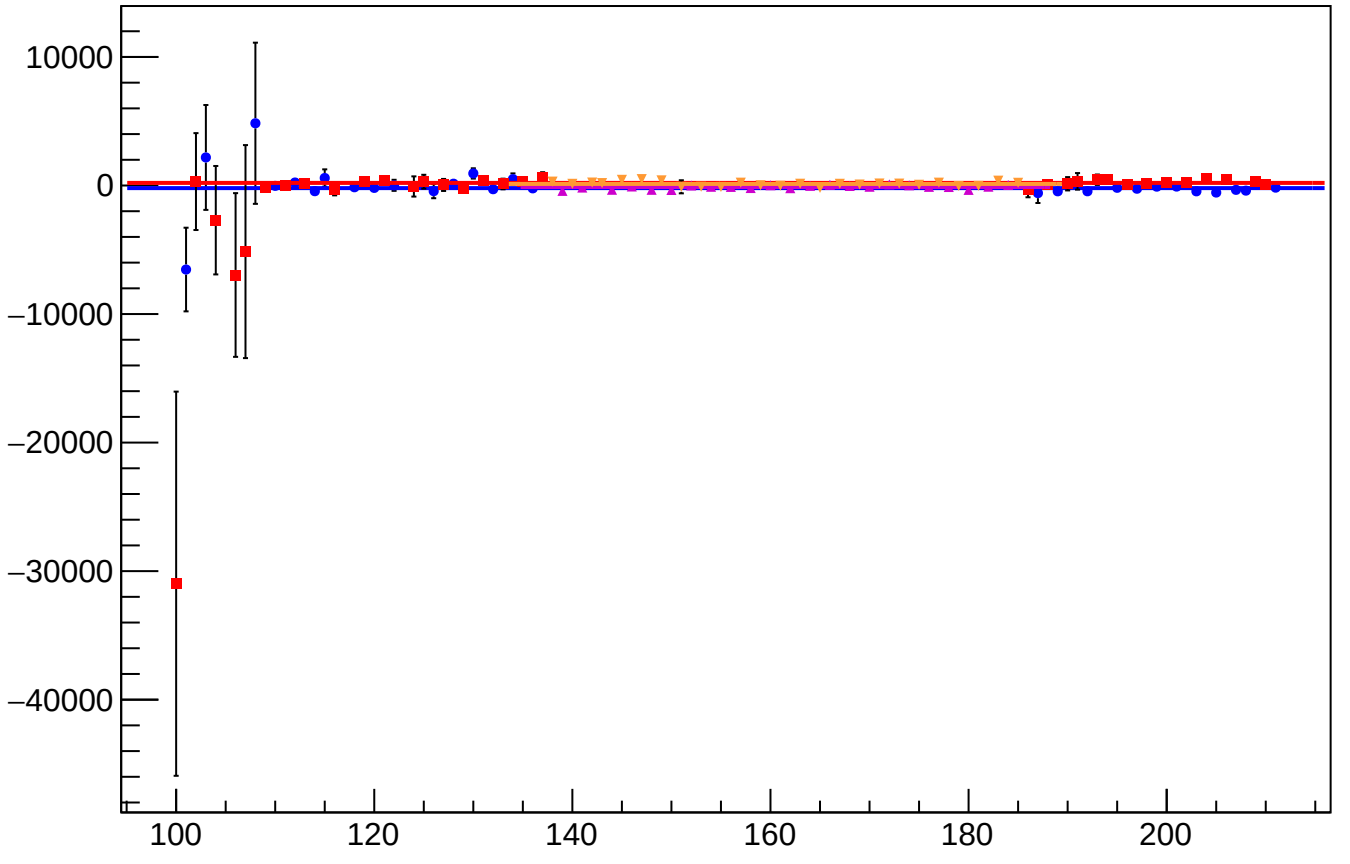
Right Out: 27.337+/-0.005 χ^2/NDF: 3593002.0/32

Left In: 28.606+/-0.005 χ^2/NDF:122928.2/22

+ sign 28.033+/-0.003 χ^2/NDF: 3400033.5/52

All: 28.008+/-0.002 χ^2/NDF: 7151235.6/108

- sign 27.983+/-0.003 χ^2/NDF: 3751096.1/55



Right In: -203.749+/-45.496 χ^2/NDF: 33.7/27

Left Out: 121.915+/-46.825 χ^2/NDF:12.0/24

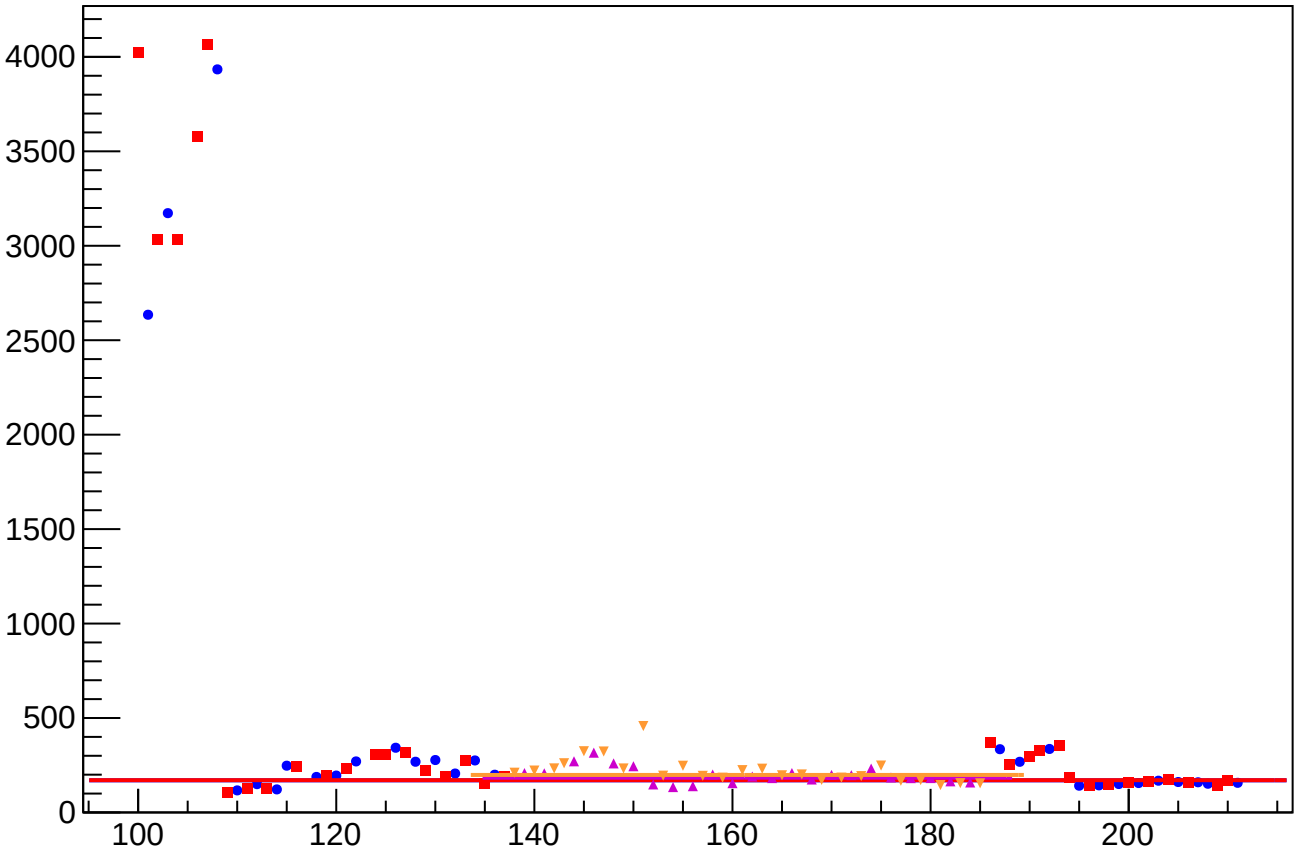
Right Out: 202.285+/-44.628 χ^2/NDF: 25.6/32

Left In: -116.243+/-44.786 χ^2/NDF:8.4/22

+ sign -45.604+/-32.630 χ^2/NDF: 70.6/52

All: 0.403+/-22.705 χ^2/NDF: 133.8/108

- sign 43.584+/-31.612 χ^2/NDF: 59.4/55



Right In: 170.030+/-0.032 χ^2/NDF: 4881705.2/27

Left Out: 198.571+/-0.033 χ^2/NDF:1901504.1/24

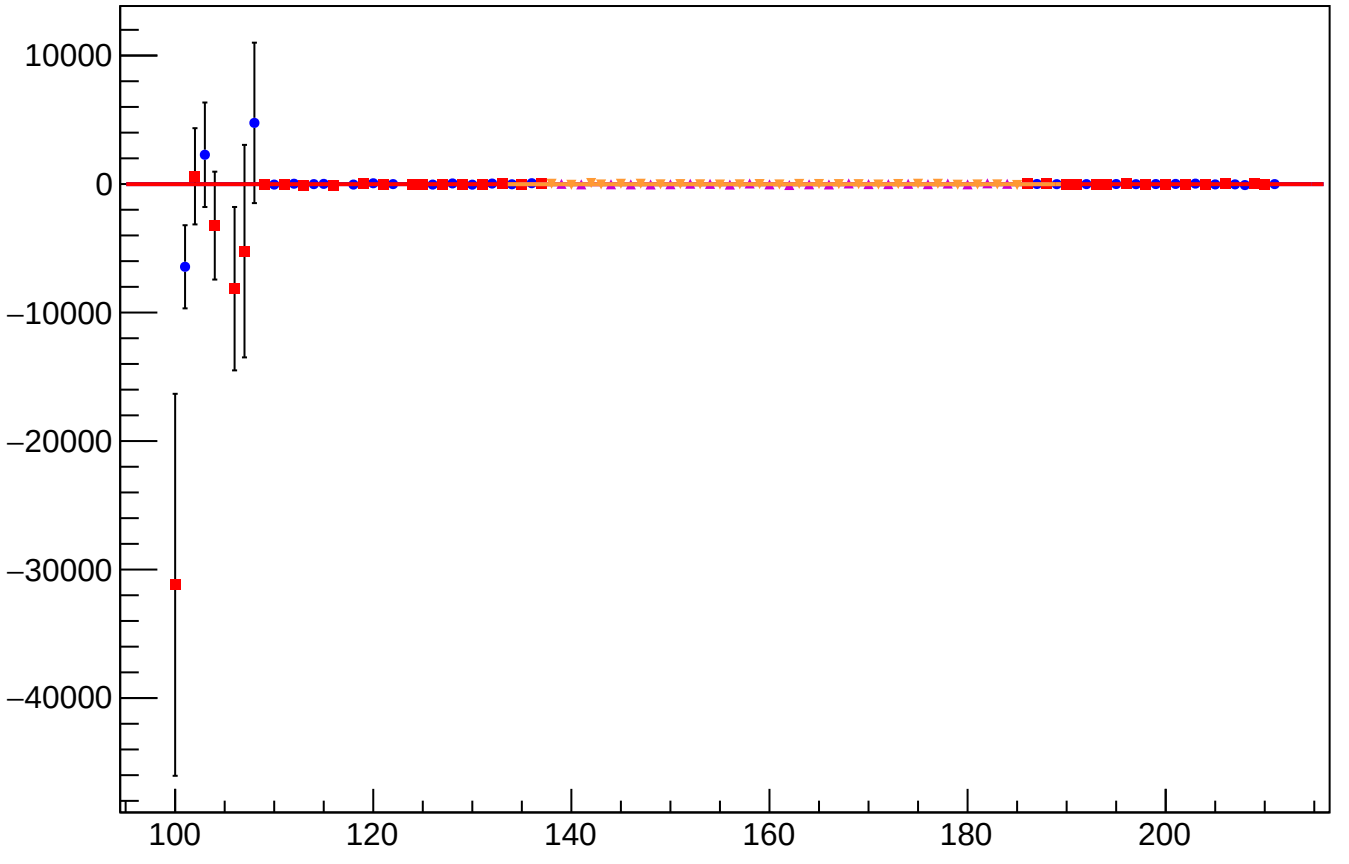
Right Out: 170.836+/-0.032 χ^2/NDF: 5594417.6/32

Left In: 184.051+/-0.032 χ^2/NDF:1445426.0/22

+ sign 183.889+/-0.023 χ^2/NDF: 7165418.9/52

All: 180.552+/-0.016 χ^2/NDF: 14333189.8/10

- sign 177.420+/-0.022 χ^2/NDF: 7127217.2/55



Right In: -4.940+/-7.049 χ^2/NDF: 28.9/27

Left Out: -11.862+/-6.541 χ^2/NDF:17.9/24

Right Out: -10.235+/-6.807 χ^2/NDF: 33.5/32

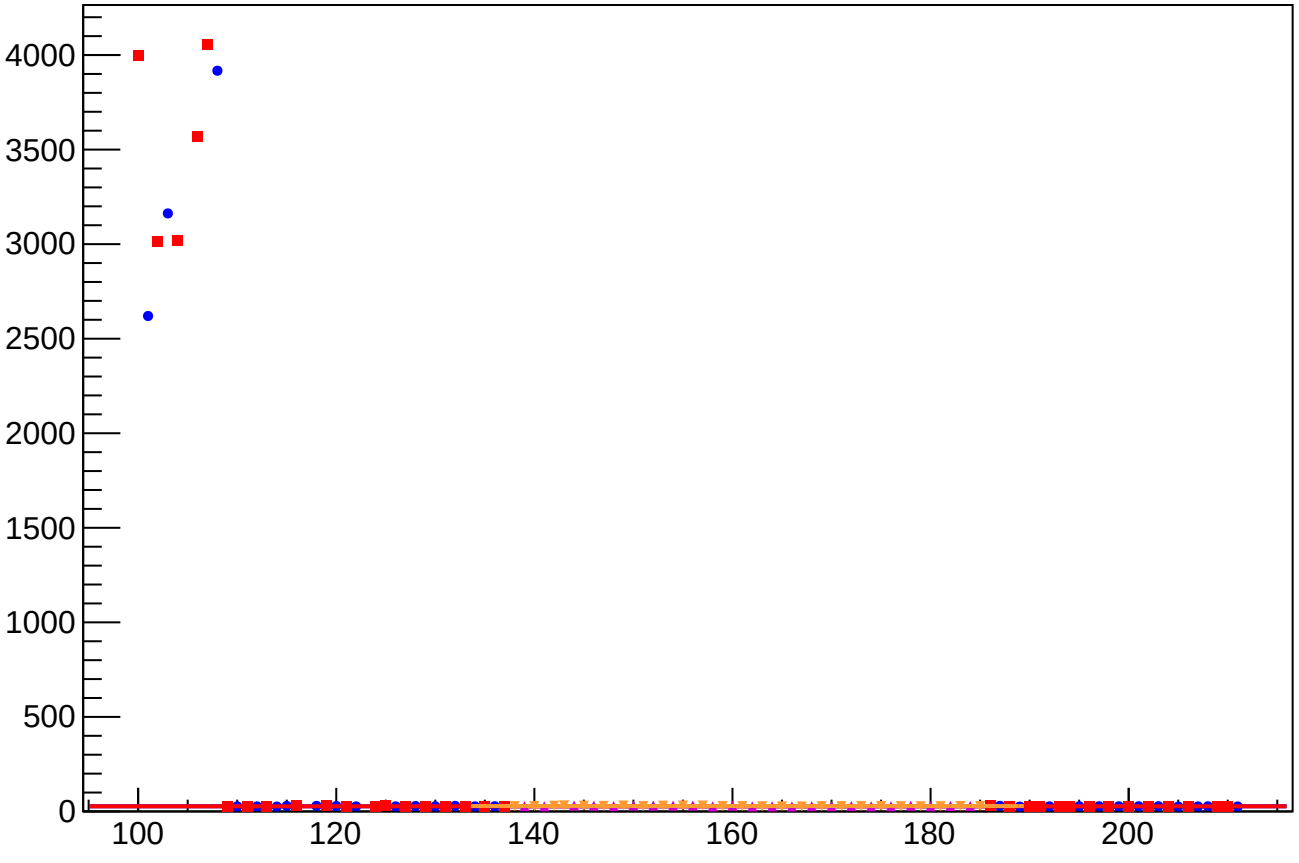
Left In: -2.576+/-6.732 χ^2/NDF:22.2/22

+ sign -8.660+/-4.795 χ^2/NDF: 47.3/52

All: -7.509+/-3.387 χ^2/NDF: 103.8/108

- sign -6.363+/-4.787 χ^2/NDF: 56.3/55

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs Slug



Right In: 27.267+/-0.005 χ^2/NDF: 3286645.4/27

Left Out: 28.707+/-0.005 χ^2/NDF:98865.9/24

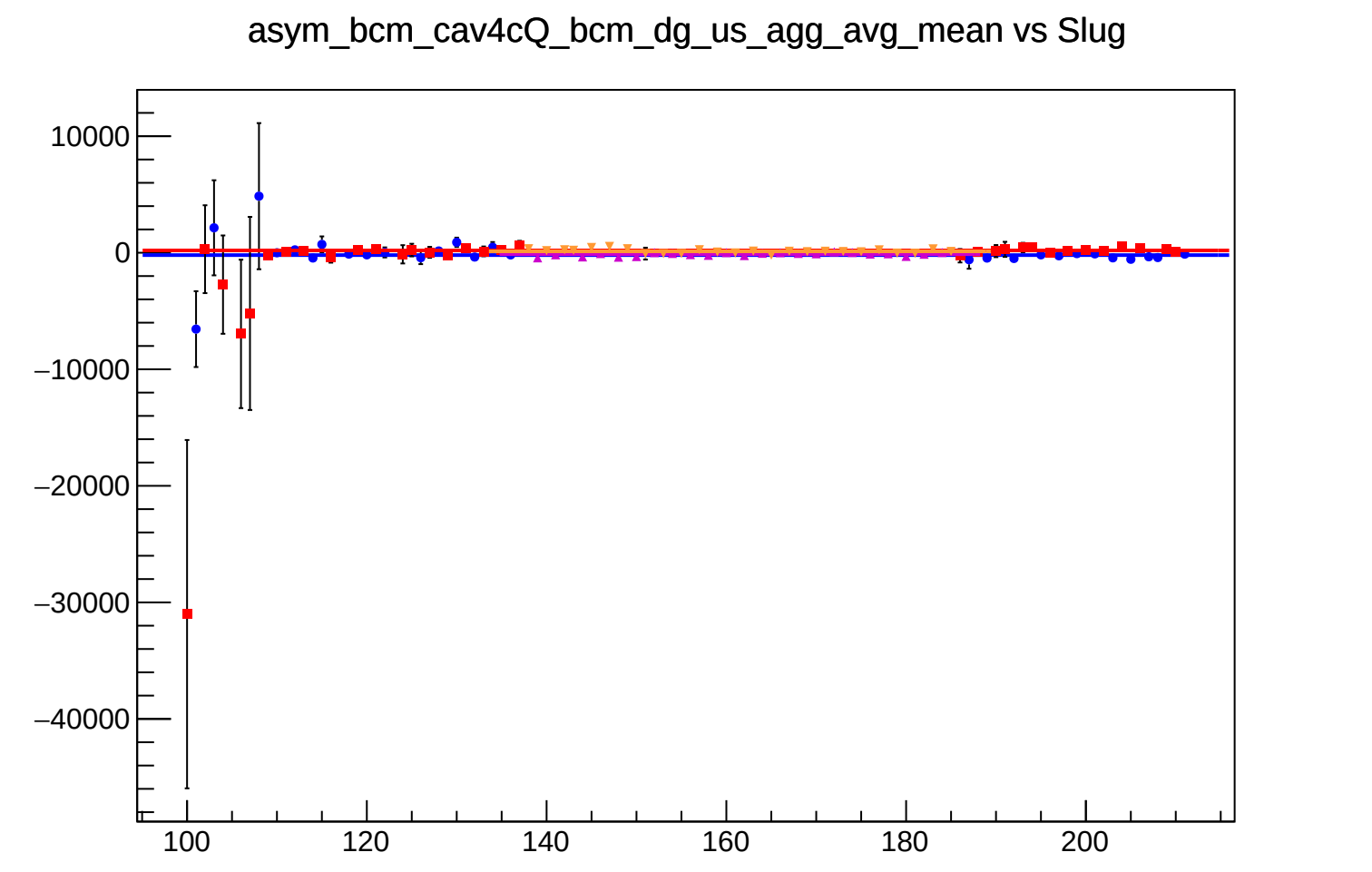
Right Out: 27.246+/-0.005 χ^2/NDF: 3597611.3/32

Left In: 28.728+/-0.005 χ^2/NDF:127383.0/22

\+ sign 28.041+/-0.003 χ^2/NDF: 3430362.0/52

All: 28.018+/-0.002 χ^2/NDF: 7203331.8/108

\- sign 27.995+/-0.003 χ^2/NDF: 3772877.5/55



Right In: -202.458+/-45.844 χ^2/NDF: 34.8/27

Left Out: 122.864+/-47.300 χ^2/NDF:11.3/24

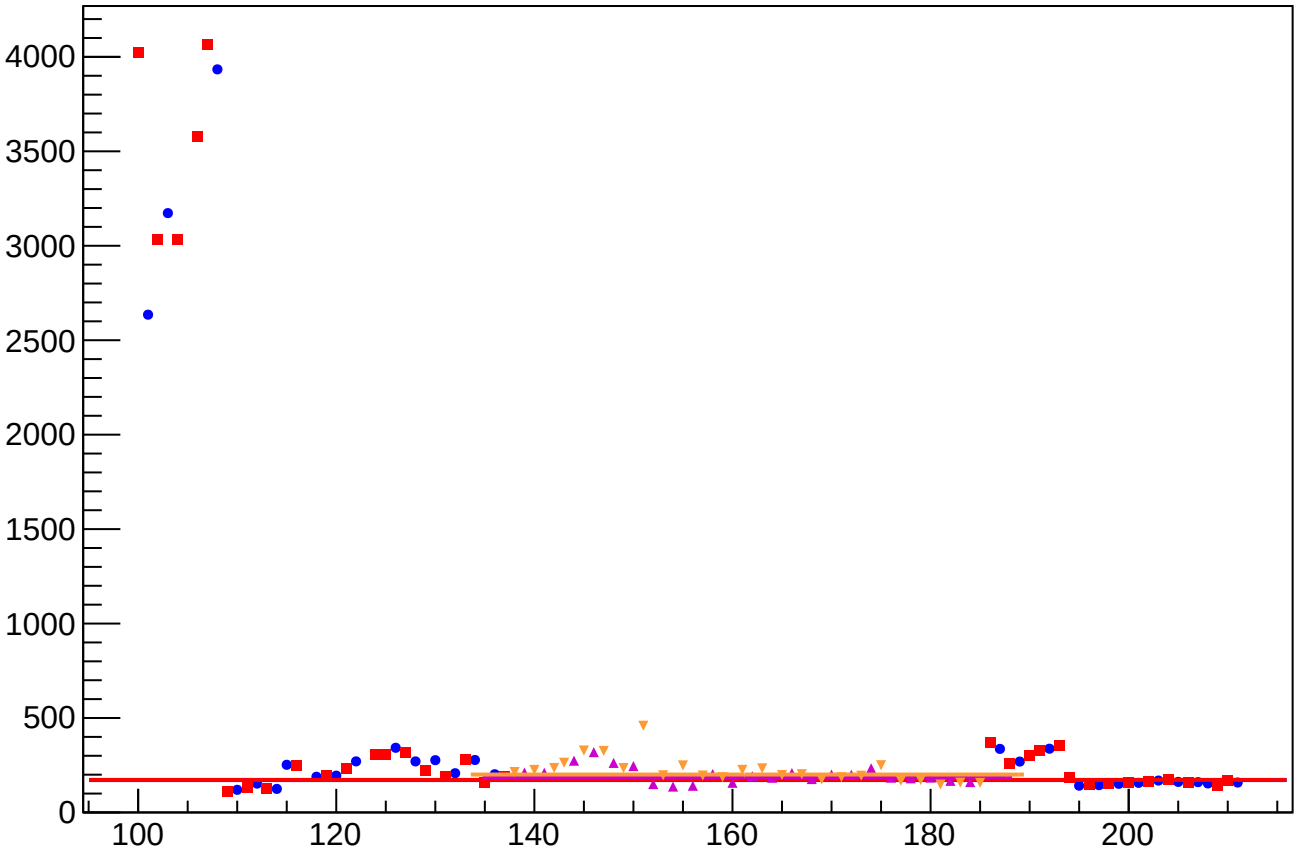
Right Out: 197.834+/-44.971 χ^2/NDF: 24.2/32

Left In: -123.046+/-45.269 χ^2/NDF:8.5/22

+ sign -44.881+/-32.919 χ^2/NDF: 70.5/52

All: -1.909+/-22.910 χ^2/NDF: 131.8/108

- sign 38.454+/-31.904 χ^2/NDF: 58.0/55



Right In: 171.440+/-0.032 χ^2/NDF: 4849427.6/27

Left Out: 200.686+/-0.033 χ^2/NDF:1880083.2/24

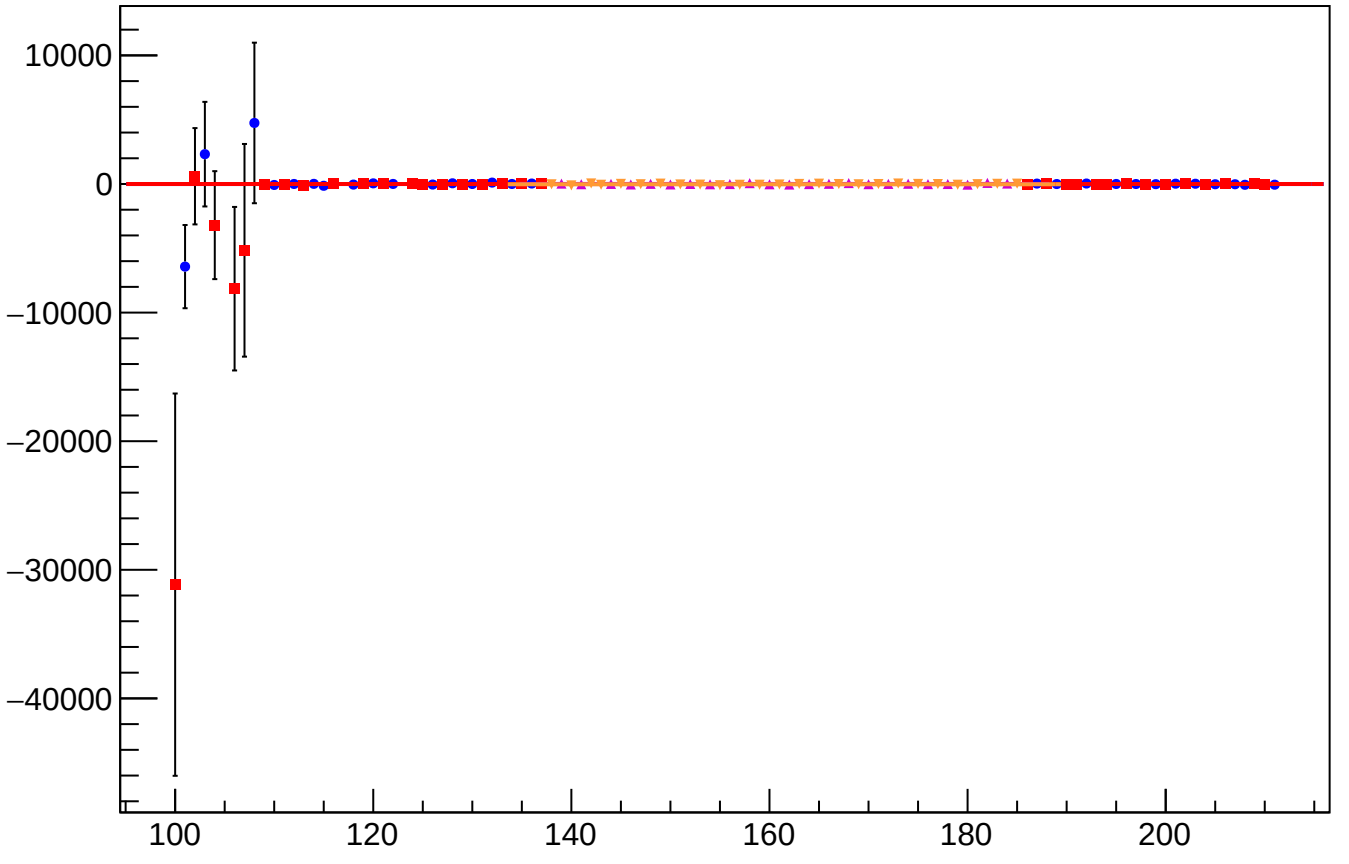
Right Out: 172.347+/-0.032 χ^2/NDF: 5532325.7/32

Left In: 186.169+/-0.032 χ^2/NDF:1413387.1/22

+ sign 185.606+/-0.023 χ^2/NDF: 7123751.7/52

All: 182.309+/-0.016 χ^2/NDF: 14202220.7/10

- sign 179.212+/-0.023 χ^2/NDF: 7039562.4/55



Right In: -2.603+/-8.607 χ^2/NDF: 25.5/27

Left Out: -21.228+/-7.835 χ^2/NDF:22.9/24

Right Out: -1.326+/-8.316 χ^2/NDF: 34.0/32

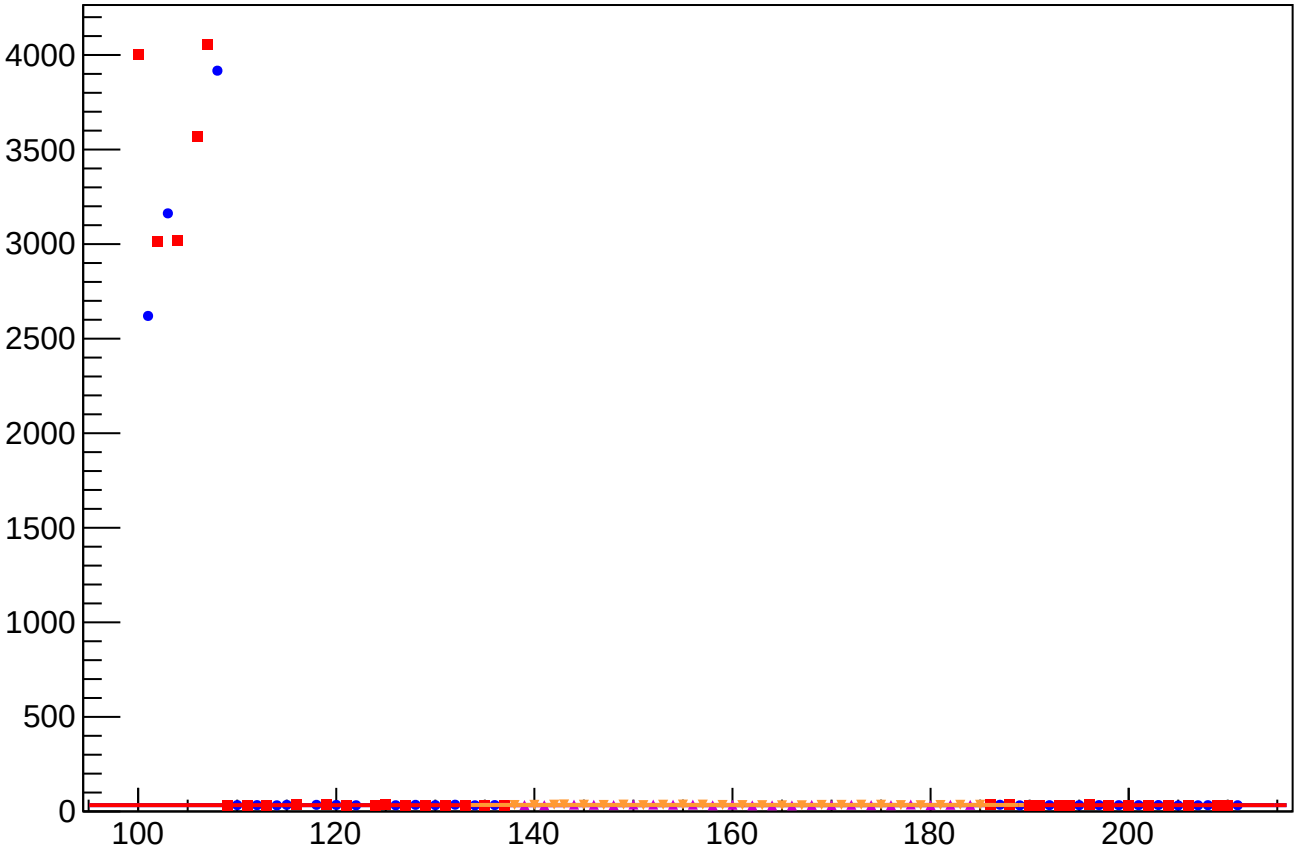
Left In: 4.029+/-8.083 χ^2/NDF:18.9/22

+ sign -12.788+/-5.794 χ^2/NDF: 51.0/52

All: -5.683+/-4.098 χ^2/NDF: 107.1/108

- sign 1.427+/-5.796 χ^2/NDF: 53.2/55

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs Slug



Right In: 33.328+/-0.006 χ^2/NDF: 3256250.4/27

Left Out: 34.439+/-0.006 χ^2/NDF:44686.3/24

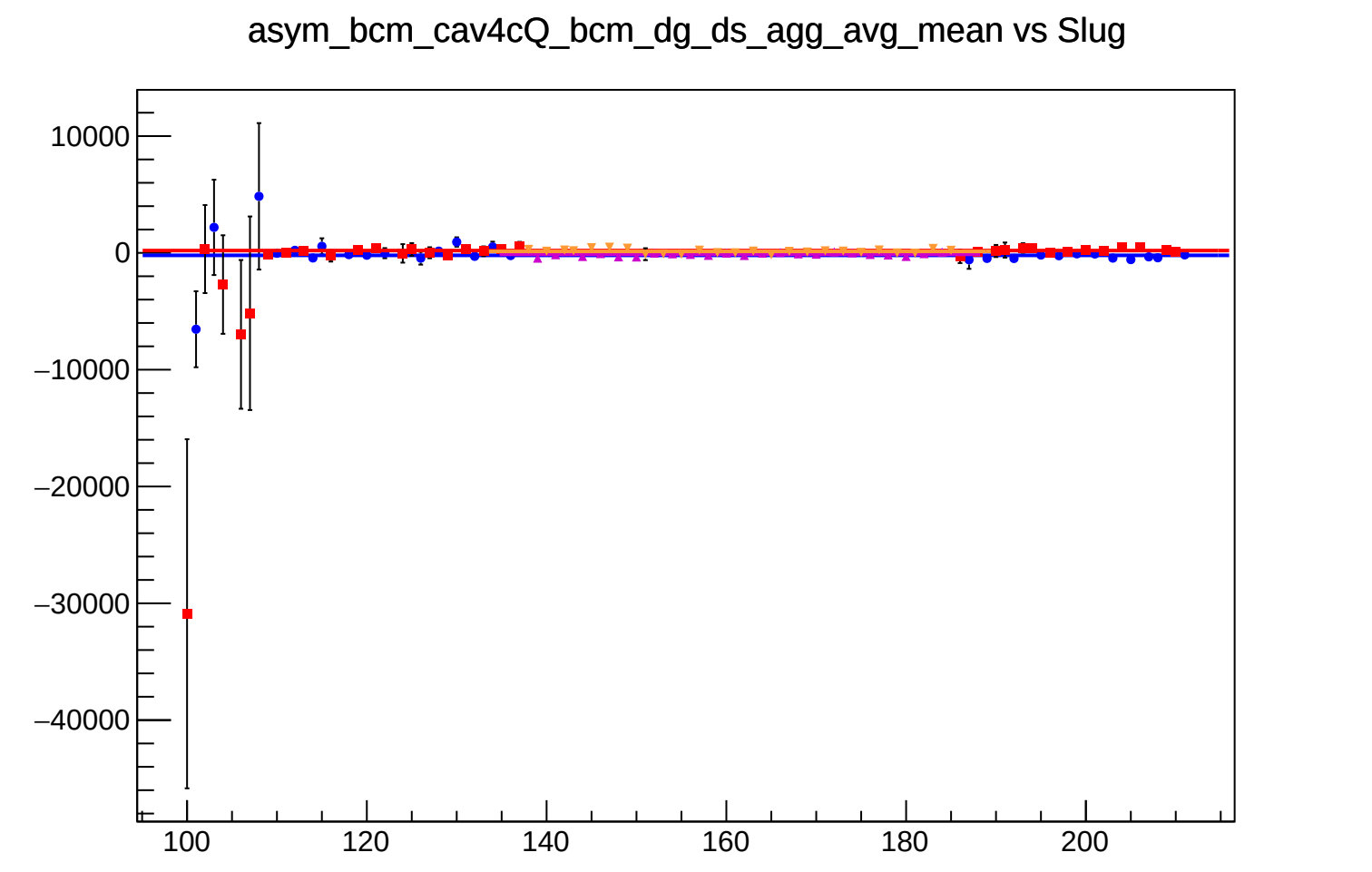
Right Out: 33.332+/-0.006 χ^2/NDF: 3549816.1/32

Left In: 34.552+/-0.006 χ^2/NDF:59280.9/22

\+ sign 33.935+/-0.004 χ^2/NDF: 3319161.2/52

All: 33.947+/-0.003 χ^2/NDF: 6950420.2/108

\- sign 33.959+/-0.004 χ^2/NDF: 3631241.8/55



Right In: -210.502+/-45.701 χ^2/NDF: 34.1/27

Left Out: 127.689+/-47.228 χ^2/NDF:11.6/24

Right Out: 199.313+/-44.810 χ^2/NDF: 24.0/32

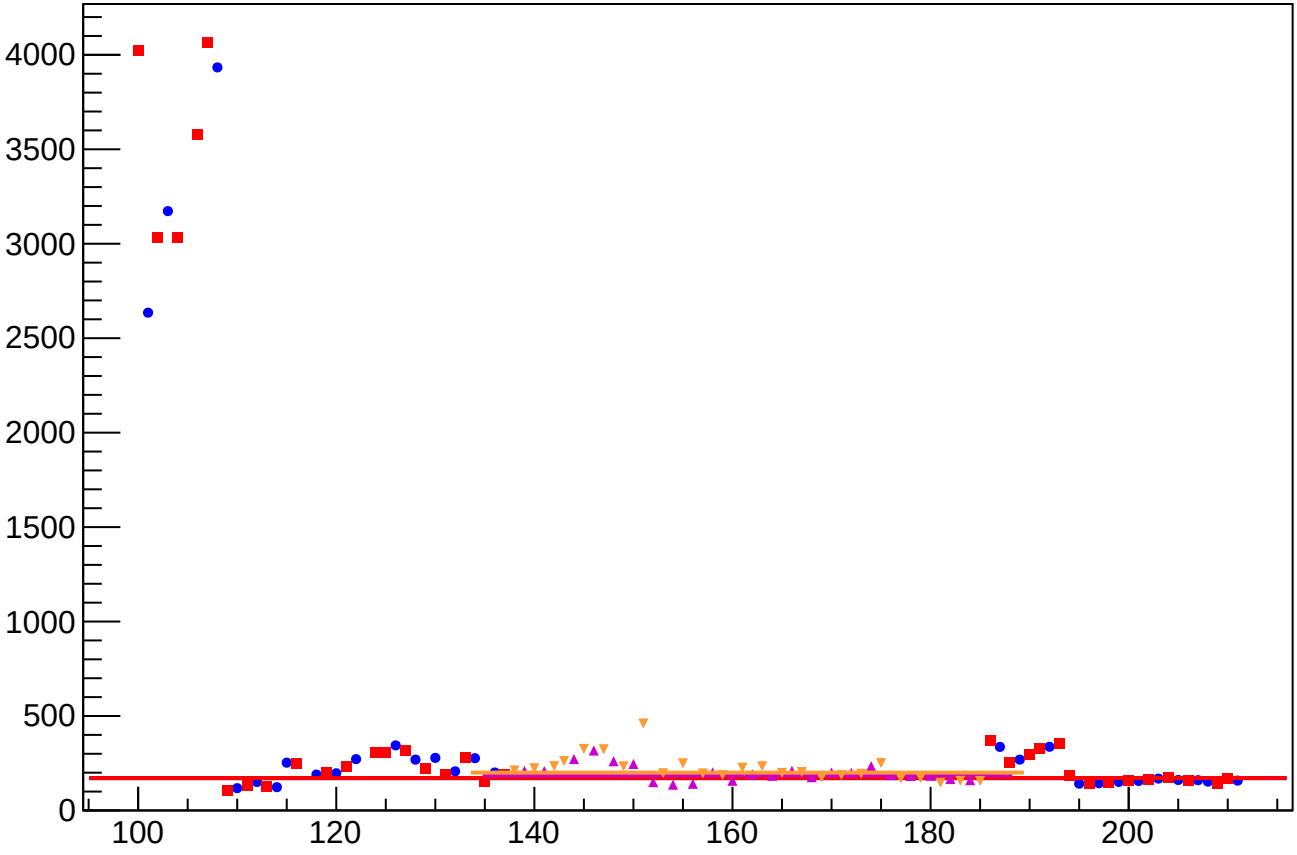
Left In: -122.809+/-45.199 χ^2/NDF:8.0/22

+ sign -46.962+/-32.842 χ^2/NDF: 72.2/52

All: -2.293+/-22.854 χ^2/NDF: 133.4/108

- sign 39.643+/-31.822 χ^2/NDF: 57.6/55

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs Slug



Right In: 170.810+/-0.032 χ^2/NDF: 4878365.0/27

Left Out: 200.372+/-0.033 χ^2/NDF:1876533.6/24

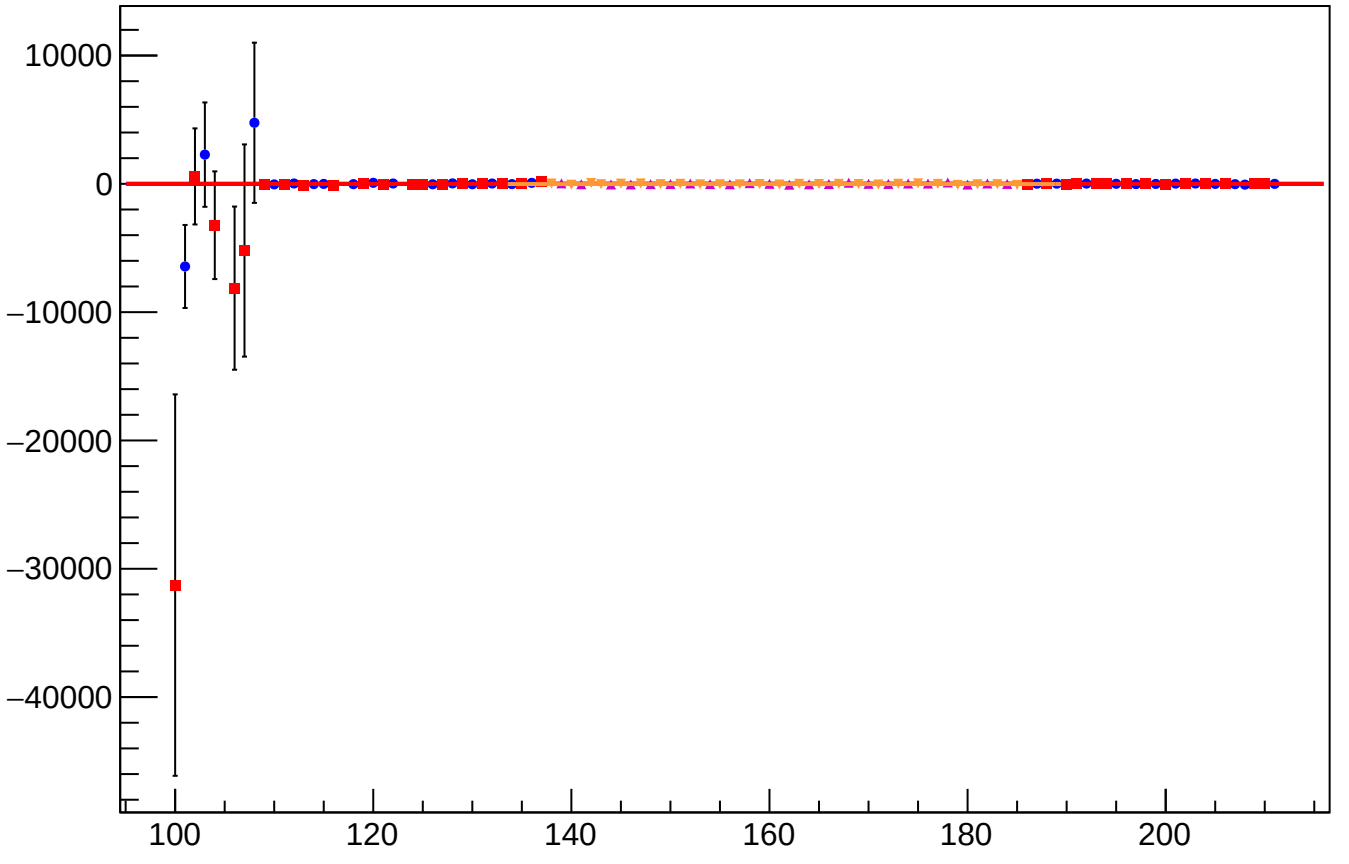
Right Out: 171.578+/-0.032 χ^2/NDF: 5582482.8/32

Left In: 185.871+/-0.032 χ^2/NDF:1405525.2/22

+ sign 185.105+/-0.023 χ^2/NDF: 7159579.5/52

All: 181.782+/-0.016 χ^2/NDF: 14288159.3/10

- sign 178.663+/-0.023 χ^2/NDF: 7088883.4/55



Right In: 3.119+/-7.794 χ^2/NDF: 22.7/27

Left Out: -18.581+/-7.135 χ^2/NDF:20.4/24

Right Out: -3.828+/-7.525 χ^2/NDF: 40.4/32

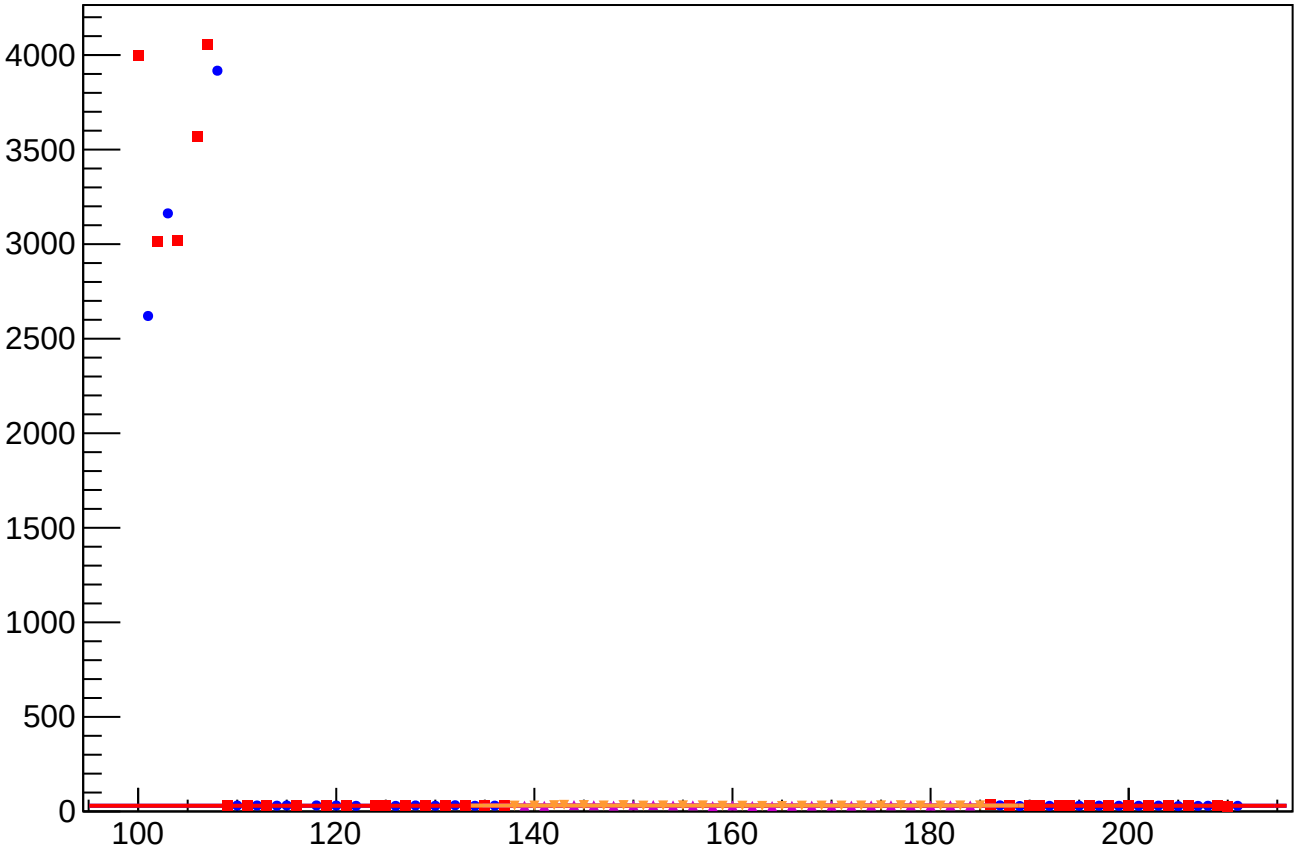
Left In: 2.709+/-7.348 χ^2/NDF:35.5/22

\+ sign -8.687+/-5.263 χ^2/NDF: 47.3/52

All: -4.580+/-3.719 χ^2/NDF: 124.8/108

\- sign -0.481+/-5.257 χ^2/NDF: 76.3/55

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 30.159+/-0.006 χ^2/NDF: 3274172.7/27

Left Out: 31.340+/-0.005 χ^2/NDF:63017.9/24

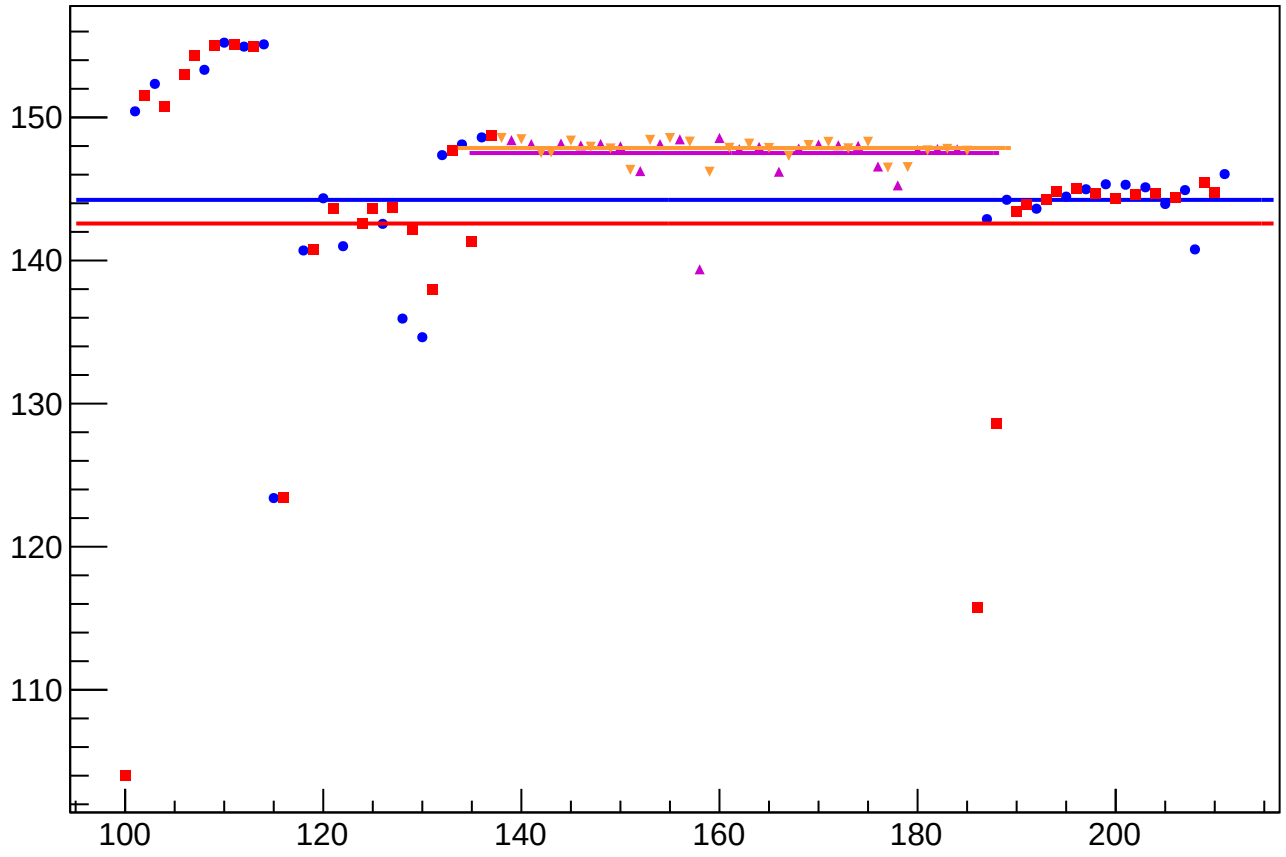
Right Out: 30.140+/-0.005 χ^2/NDF: 3570255.6/32

Left In: 31.379+/-0.005 χ^2/NDF:85229.7/22

+ sign 30.802+/-0.004 χ^2/NDF: 3362158.2/52

All: 30.788+/-0.003 χ^2/NDF: 7045443.2/108

- sign 30.775+/-0.004 χ^2/NDF: 3683258.6/55



Right In: 144.237+/-0.000 χ^2/NDF: 3774605446.4/27

Left Out: 147.864+/-0.000 χ^2/NDF:44922014.2/24

Right Out: 142.586+/-0.000 χ^2/NDF: 7580302988.5/32

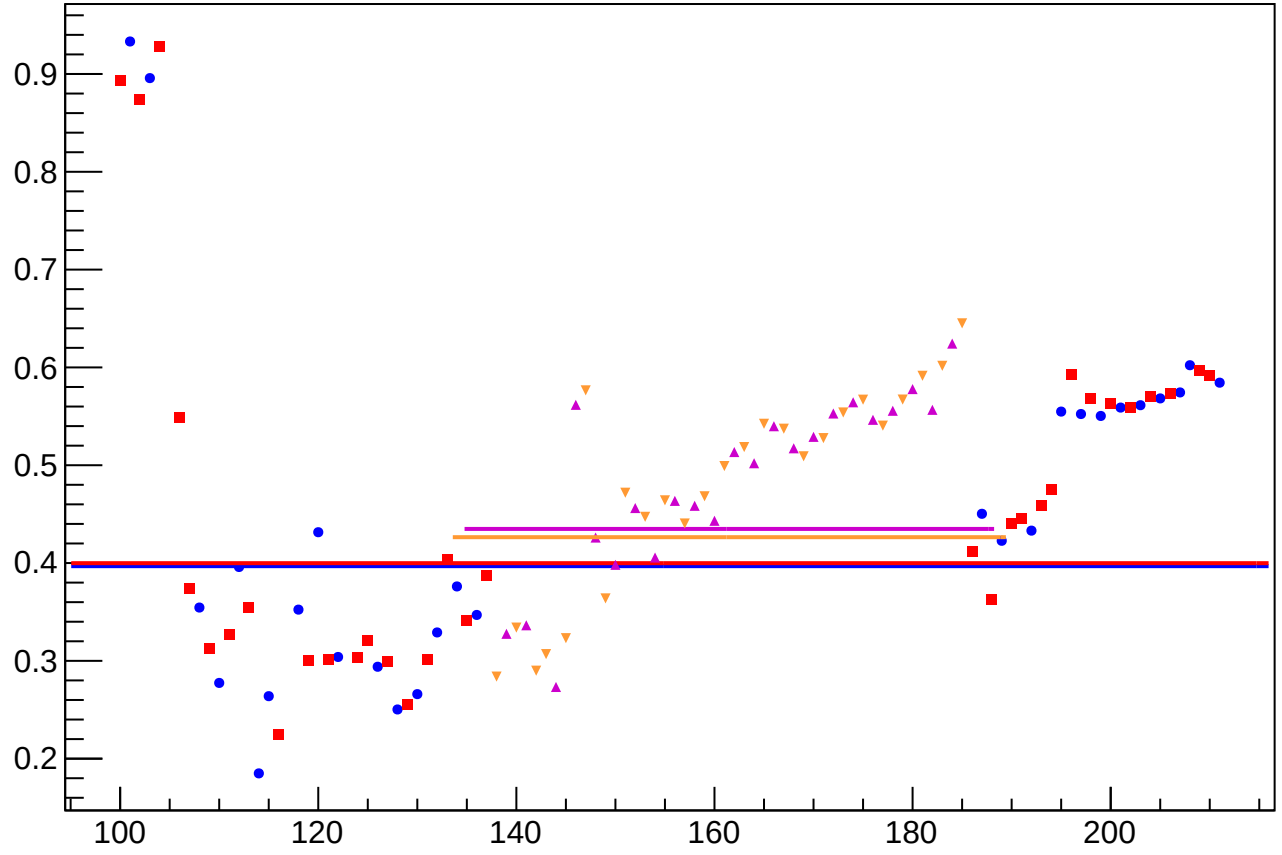
Left In: 147.511+/-0.000 χ^2/NDF:306421789.5/22

+ sign 146.133+/-0.000 χ^2/NDF: 4428795904.8/52

All: 145.540+/-0.000 χ^2/NDF: 13571307749.

- sign 144.949+/-0.000 χ^2/NDF: 9012313055.7/55

yield_bcm_target_rms vs Slug



Right In: 0.397+/-0.000 χ^2/NDF: 3385930.5/27

Left Out: 0.426+/-0.000 χ^2/NDF:2259192.5/24

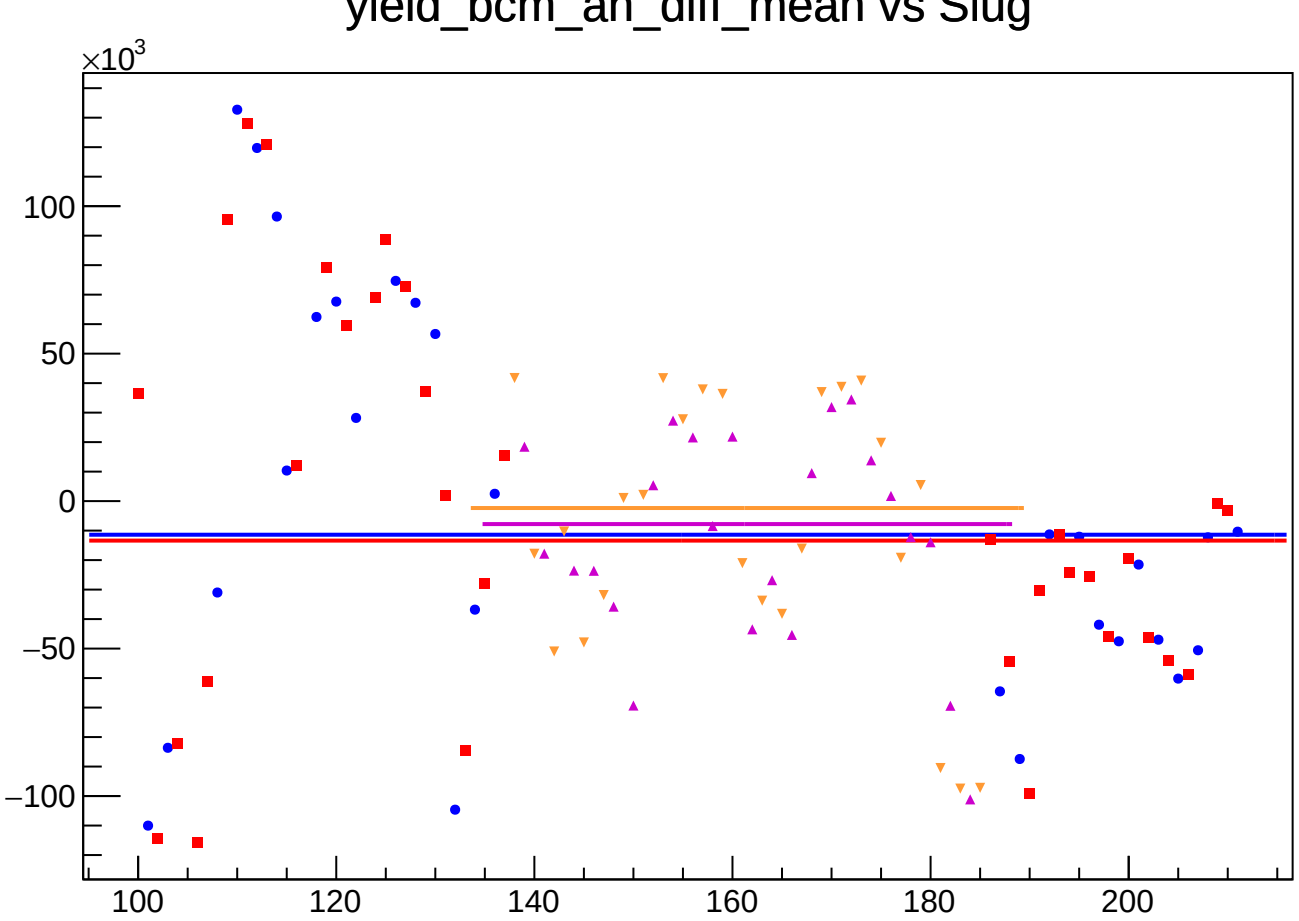
Right Out: 0.400+/-0.000 χ^2/NDF: 3260209.2/32

Left In: 0.435+/-0.000 χ^2/NDF:1774903.7/22

+ sign 0.412+/-0.000 χ^2/NDF: 5726393.5/52

All: 0.414+/-0.000 χ^2/NDF: 10878828.0/108

- sign 0.417+/-0.000 χ^2/NDF: 5148871.1/55



Right In: -11395.668+/-1.349 χ^2/NDF: 1936425382.8/27

Left Out: -2344.855+/-1.123 χ^2/NDF:1230029339.6/24

Right Out: -13389.008+/-1.261 χ^2/NDF: 2395584102.6/32

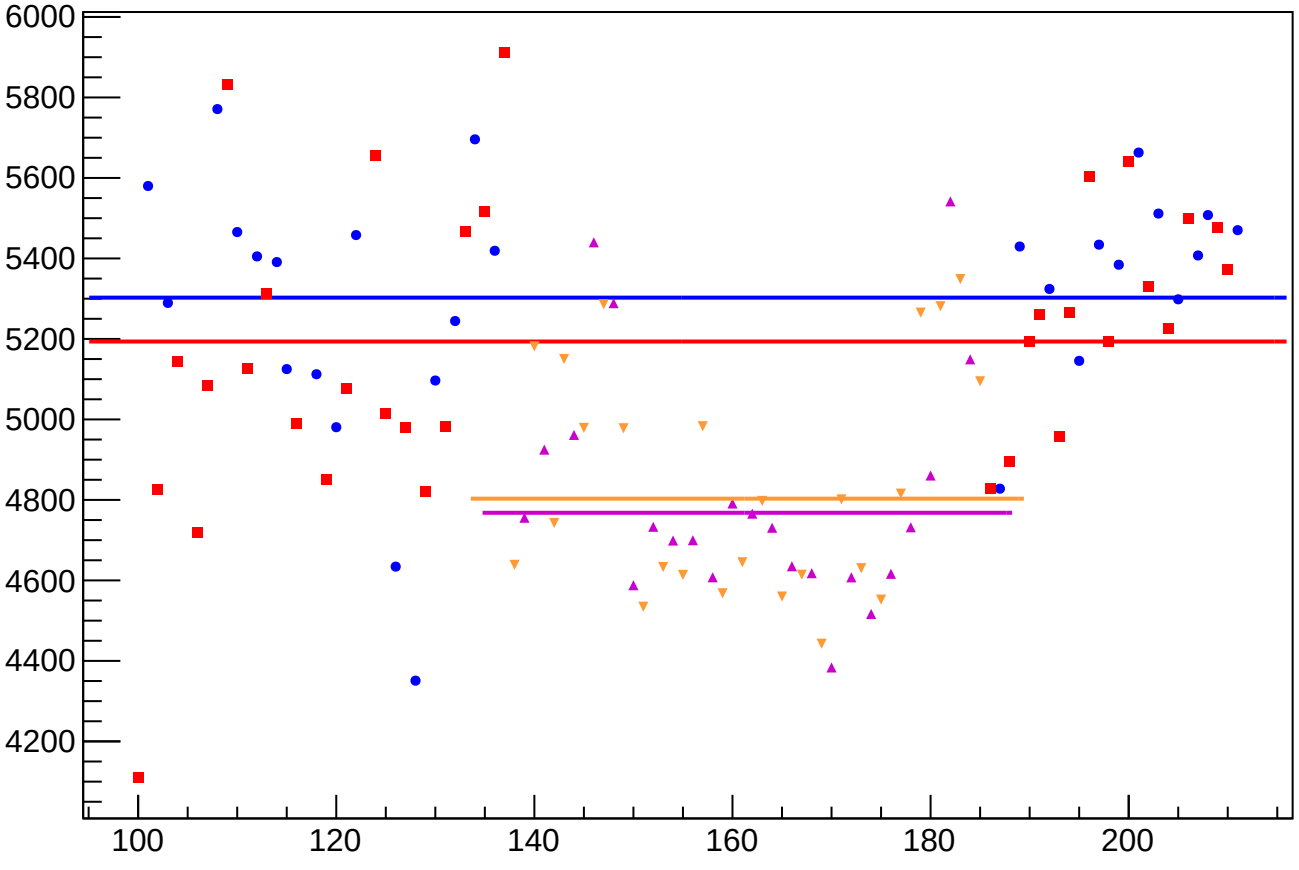
Left In: -7787.808+/-1.145 χ^2/NDF:762496621.5/22

+ sign -6051.890+/-0.863 χ^2/NDF: 3193046858.7/5

All: -8222.946+/-0.605 χ^2/NDF: 6374371444

- sign -10316.908+/-0.848 χ^2/NDF: 3168894610.7/5

yield_bcm_an_diff_rms vs Slug



Right In: 5302.608+/-0.954 χ^2/NDF: 102283.0/27

Left Out: 4803.136+/-0.794 χ^2/NDF:114681.5/24

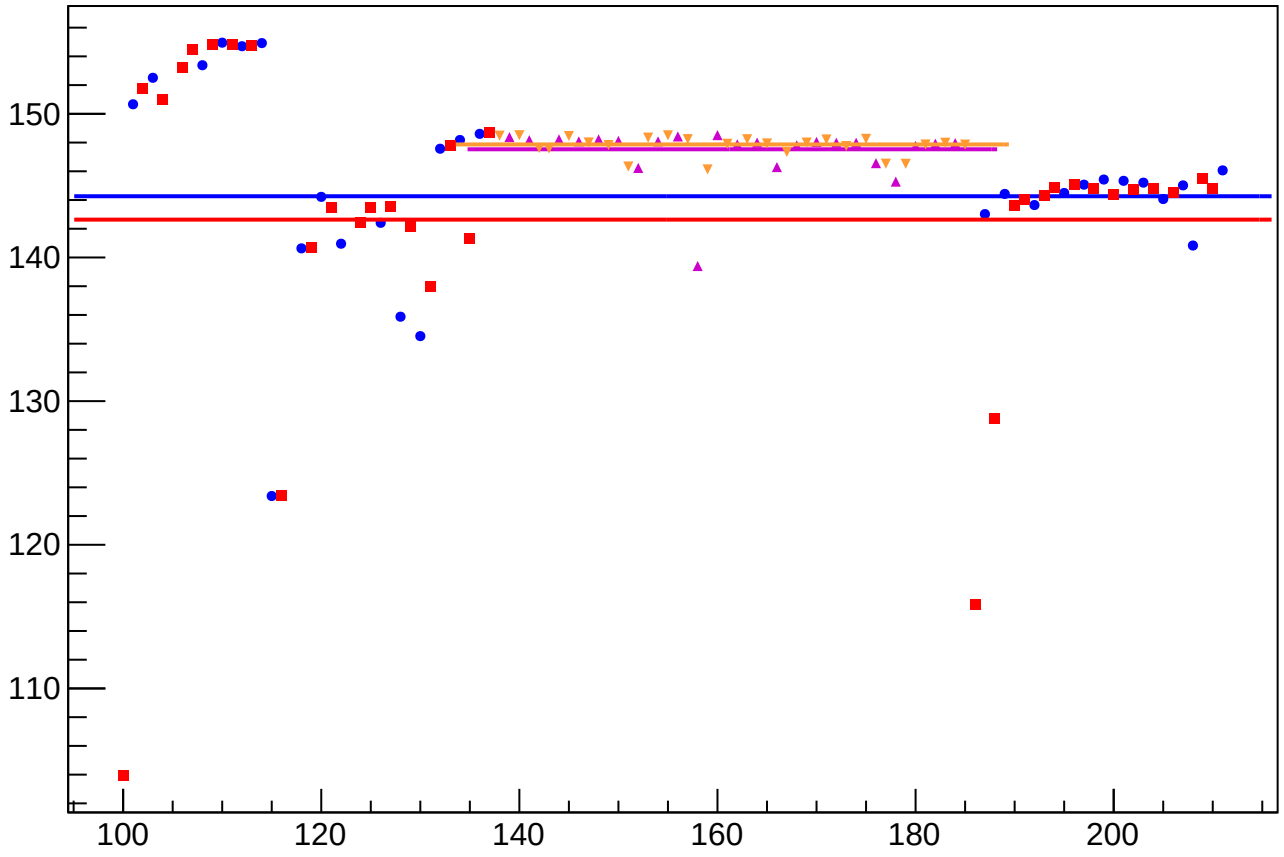
Right Out: 5193.570+/-0.892 χ^2/NDF: 110726.9/32

Left In: 4768.055+/-0.809 χ^2/NDF:102355.5/22

\+ sign 5007.710+/-0.610 χ^2/NDF: 378932.5/52

All: 4983.519+/-0.428 χ^2/NDF: 719919.7/108

\- sign 4960.187+/-0.599 χ^2/NDF: 337900.7/55



Right In: 144.263+/-0.000 χ^2/NDF: 3815978340.7/27

Left Out: 147.870+/-0.000 χ^2/NDF:44483332.4/24

Right Out: 142.636+/-0.000 χ^2/NDF: 7555632786.6/32

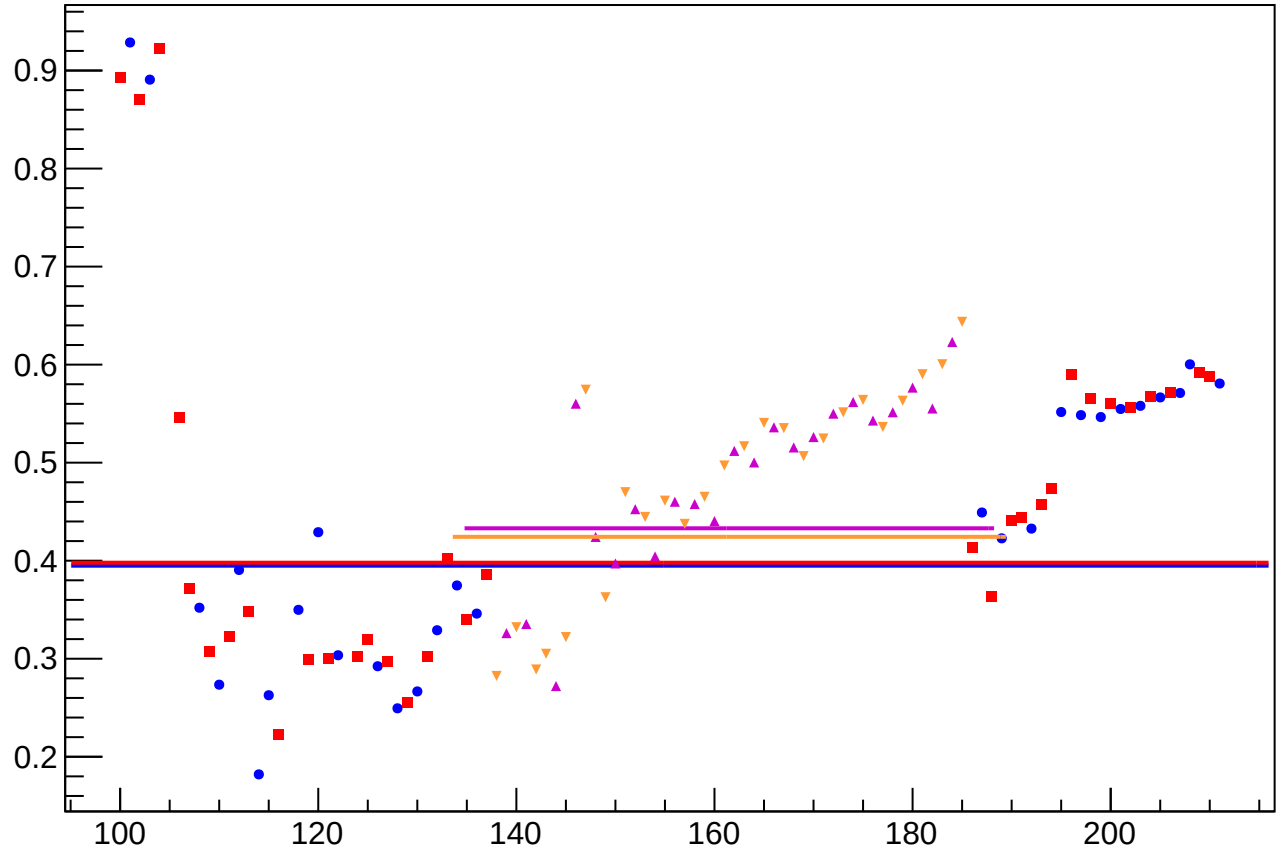
Left In: 147.532+/-0.000 χ^2/NDF:307143604.6/22

+ sign 146.148+/-0.000 χ^2/NDF: 4468906999.1/52

All: 145.566+/-0.000 χ^2/NDF: 13580872127.

- sign 144.984+/-0.000 χ^2/NDF: 8984883916.8/55

yield_bcm_an_ds_rms vs Slug



Right In: 0.395+/-0.000 χ^2/NDF: 3383489.0/27

Left Out: 0.424+/-0.000 χ^2/NDF:2260723.7/24

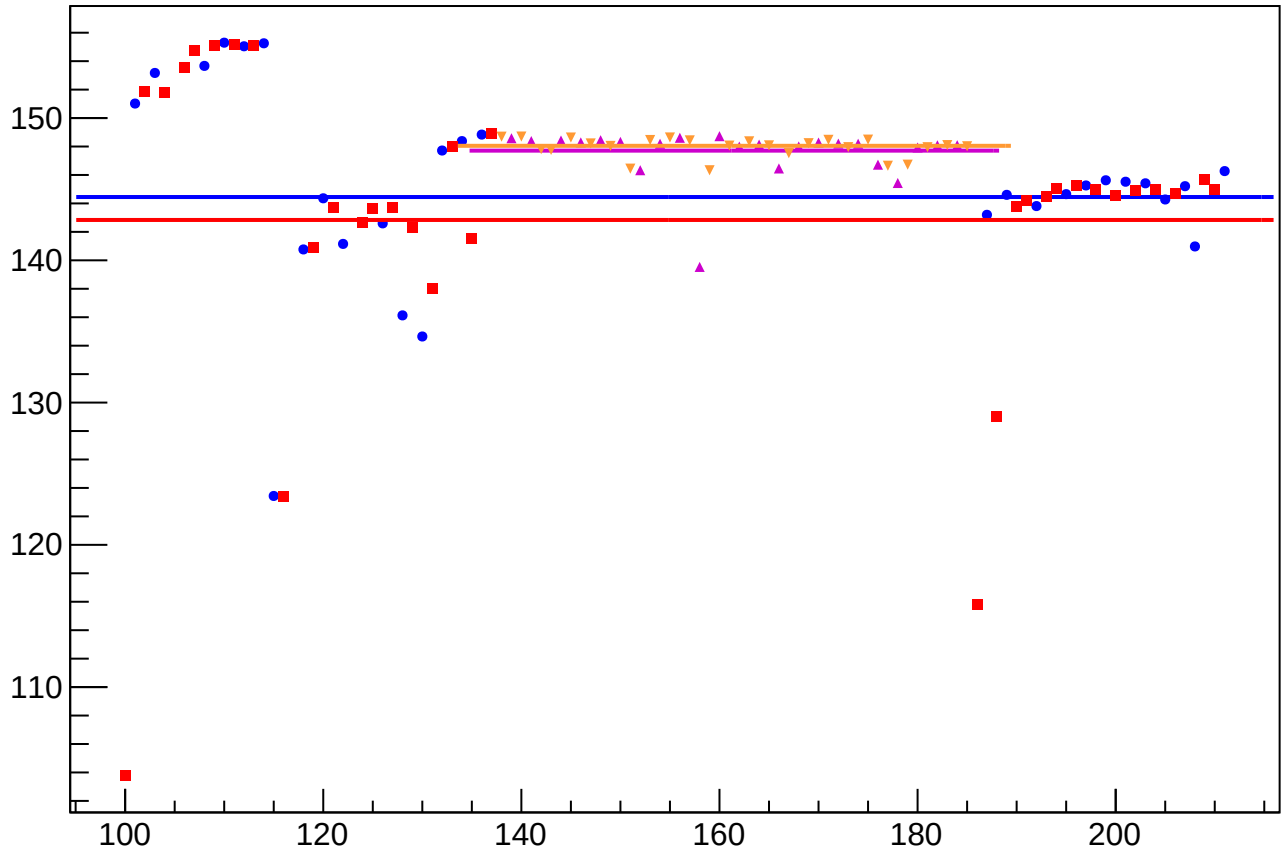
Right Out: 0.398+/-0.000 χ^2/NDF: 3265156.9/32

Left In: 0.433+/-0.000 χ^2/NDF:1771141.8/22

+ sign 0.410+/-0.000 χ^2/NDF: 5725234.0/52

All: 0.413+/-0.000 χ^2/NDF: 10880616.0/108

- sign 0.415+/-0.000 χ^2/NDF: 5151629.1/55



Right In: 144.450+/-0.000 χ^2/NDF: 3810477835.8/27

Left Out: 148.049+/-0.000 χ^2/NDF:44901895.1/24

Right Out: 142.837+/-0.000 χ^2/NDF: 7489932055.5/32

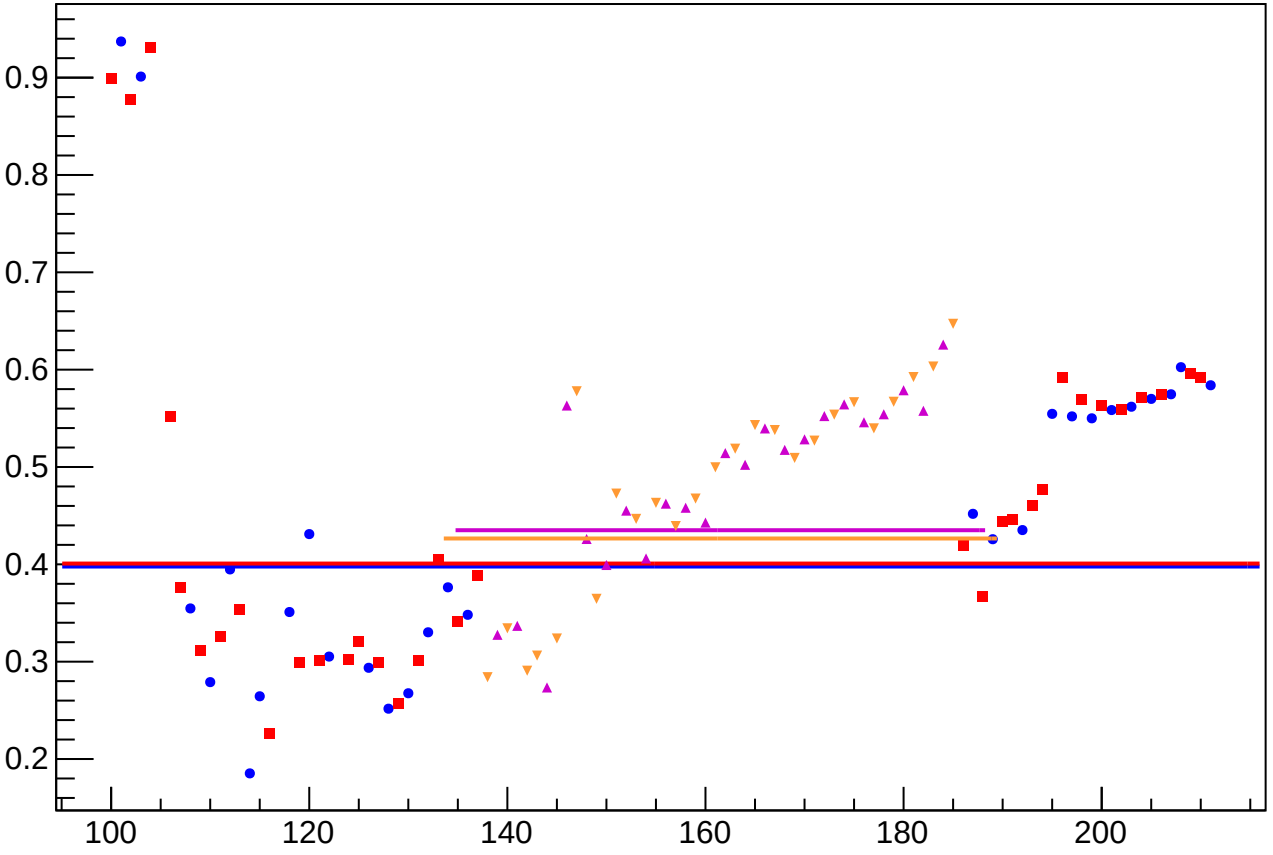
Left In: 147.710+/-0.000 χ^2/NDF:311841433.9/22

+ sign 146.334+/-0.000 χ^2/NDF: 4454160409.8/52

All: 145.757+/-0.000 χ^2/NDF: 13478457200.

- sign 145.180+/-0.000 χ^2/NDF: 8900858011.6/55

yield_bcm_an_ds3_rms vs Slug



Right In: 0.398+/-0.000 χ^2/NDF: 3369288.9/27

Left Out: 0.427+/-0.000 χ^2/NDF:2257492.3/24

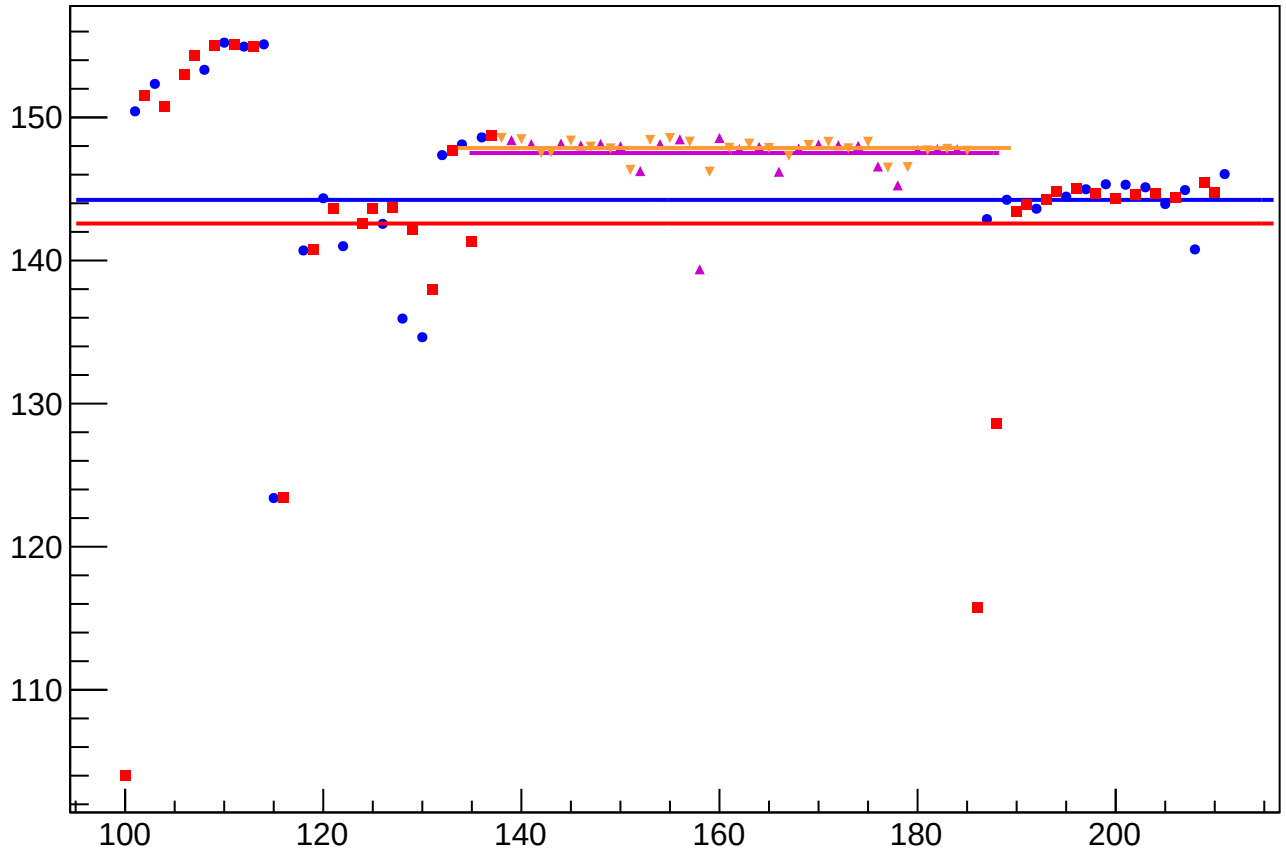
Right Out: 0.401+/-0.000 χ^2/NDF: 3258124.4/32

Left In: 0.435+/-0.000 χ^2/NDF:1769716.0/22

+ sign 0.413+/-0.000 χ^2/NDF: 5703455.8/52

All: 0.415+/-0.000 χ^2/NDF: 10843589.4/108

- sign 0.417+/-0.000 χ^2/NDF: 5136488.5/55



Right In: 144.237+/-0.000 χ^2/NDF: 3774605446.4/27

Left Out: 147.864+/-0.000 χ^2/NDF:44922014.2/24

Right Out: 142.586+/-0.000 χ^2/NDF: 7580302988.5/32

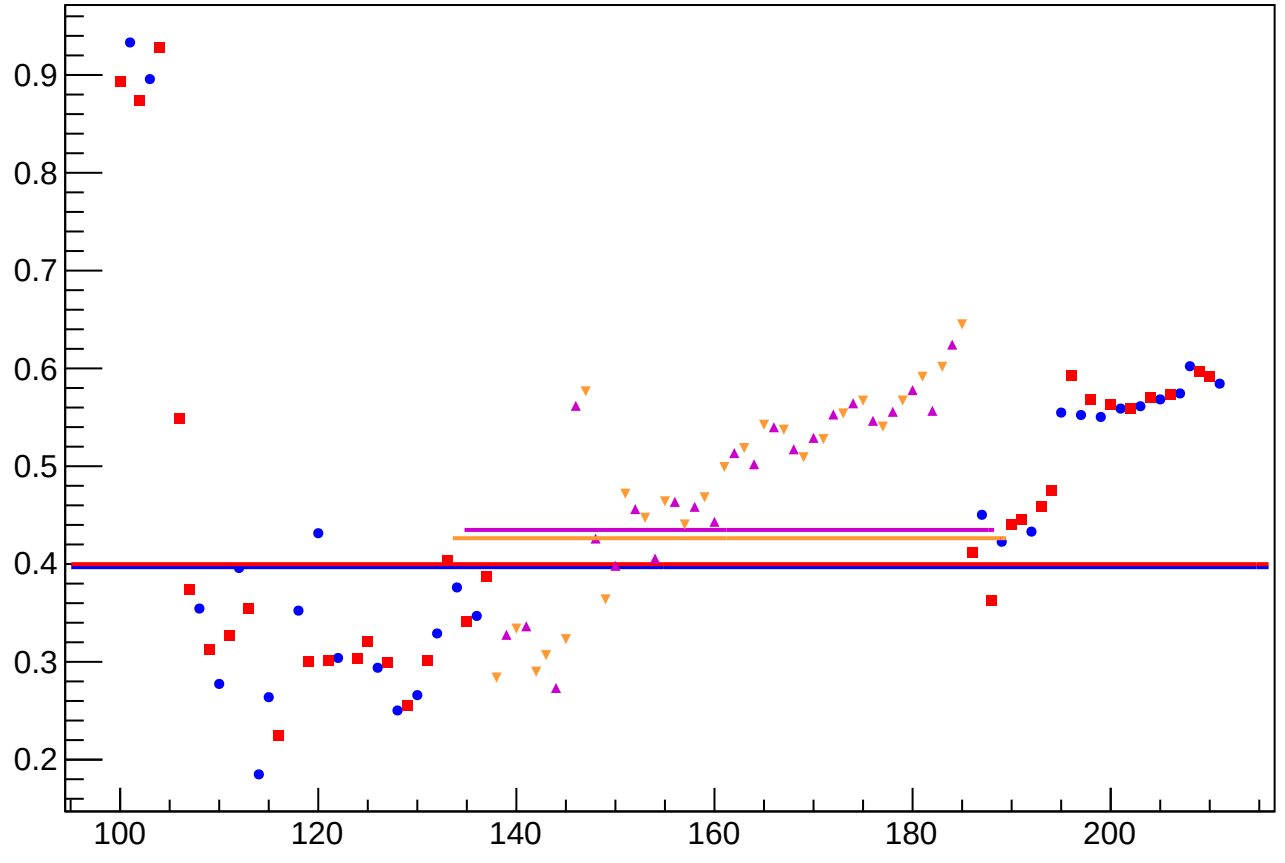
Left In: 147.511+/-0.000 χ^2/NDF:306421789.5/22

+ sign 146.133+/-0.000 χ^2/NDF: 4428795904.8/52

All: 145.540+/-0.000 χ^2/NDF: 13571307749.

- sign 144.949+/-0.000 χ^2/NDF: 9012313055.7/55

yield_bcm_an_us_rms vs Slug



Right In: 0.397+/-0.000 χ^2/NDF: 3385930.5/27

Left Out: 0.426+/-0.000 χ^2/NDF:2259192.5/24

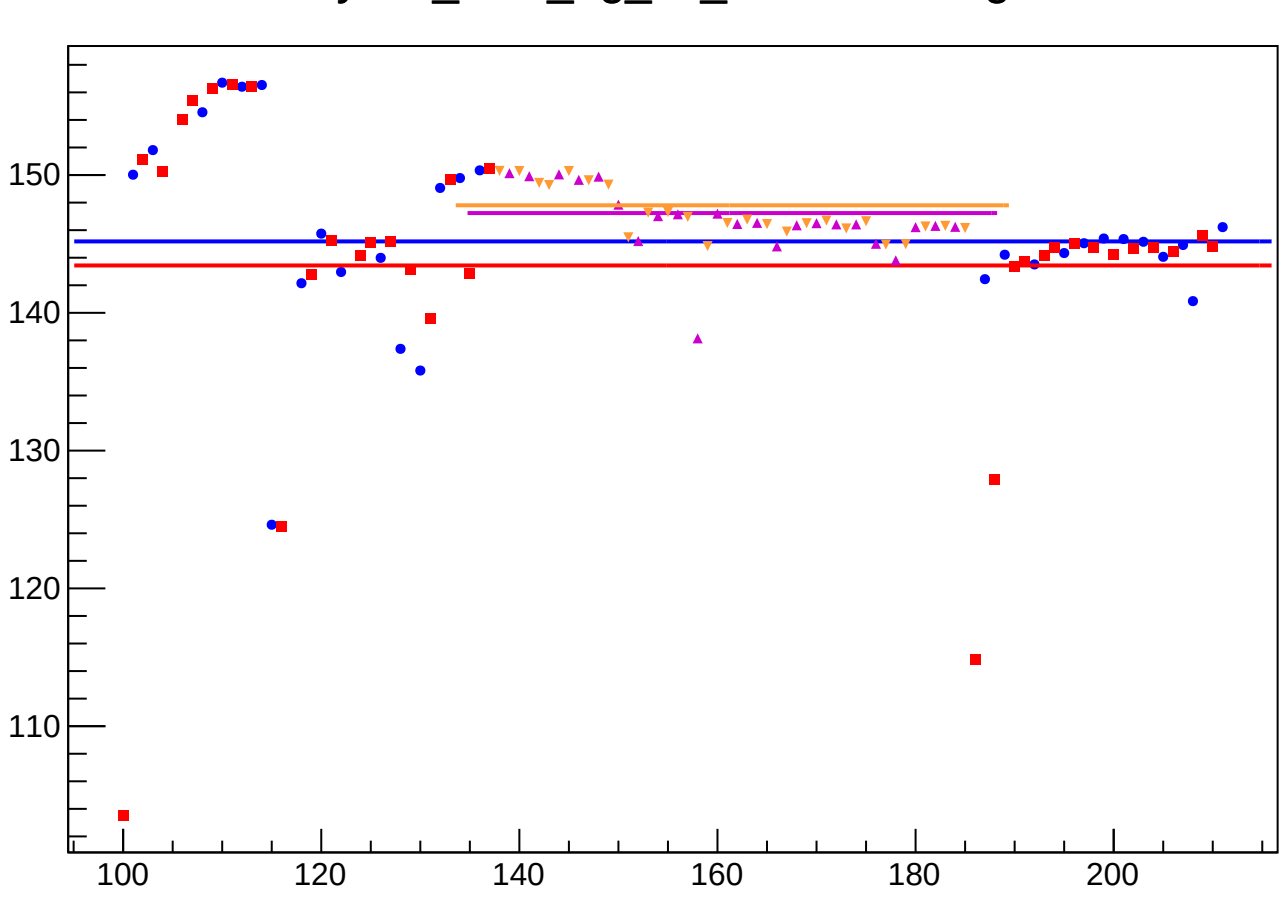
Right Out: 0.400+/-0.000 χ^2/NDF: 3260209.2/32

Left In: 0.435+/-0.000 χ^2/NDF:1774903.7/22

+ sign 0.412+/-0.000 χ^2/NDF: 5726393.5/52

All: 0.414+/-0.000 χ^2/NDF: 10878828.0/108

- sign 0.417+/-0.000 χ^2/NDF: 5148871.1/55



Right In: 145.184+/-0.000 χ^2/NDF: 3563698664.5/27

Left Out: 147.804+/-0.000 χ^2/NDF:327059704.2/24

Right Out: 143.438+/-0.000 χ^2/NDF: 7630745386.9/32

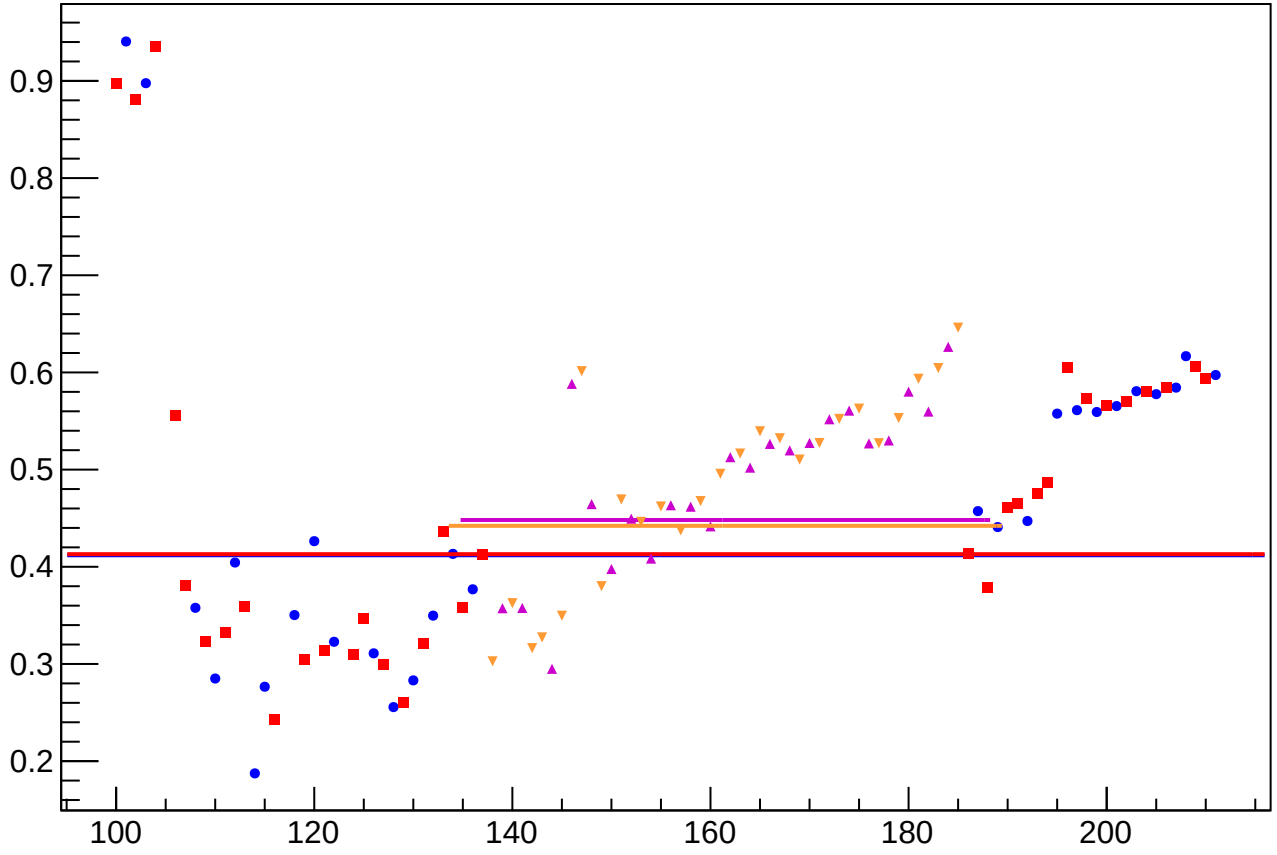
Left In: 147.241+/-0.000 χ^2/NDF:618679483.9/22

+ sign 146.561+/-0.000 χ^2/NDF: 4188777766.4/52

All: 145.915+/-0.000 χ^2/NDF: 13217959443.

- sign 145.276+/-0.000 χ^2/NDF: 8884762656.1/55

yield_bcm_dg_us_rms vs Slug



Right In: 0.412+/-0.000 χ^2/NDF: 3206374.1/27

Left Out: 0.442+/-0.000 χ^2/NDF:1704199.1/24

Right Out: 0.413+/-0.000 χ^2/NDF: 3096388.8/32

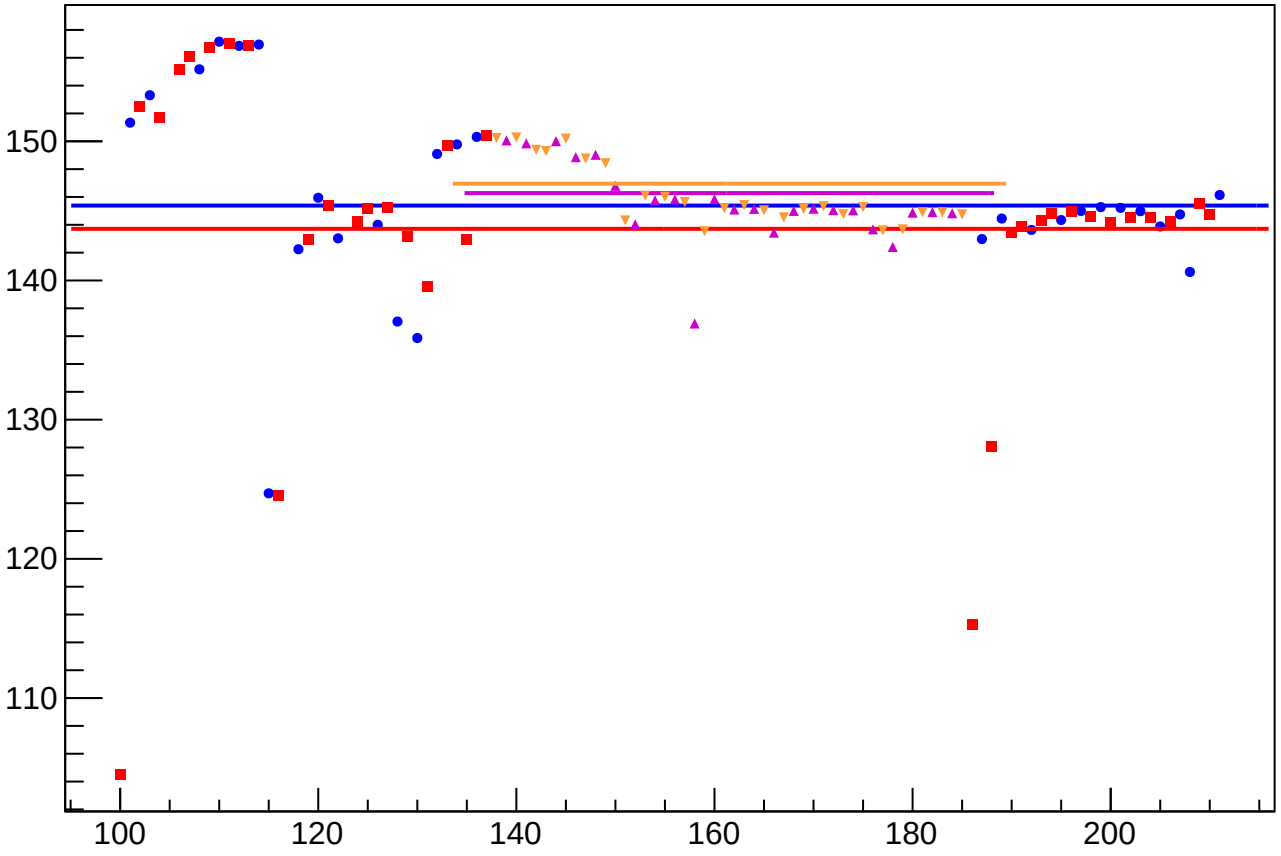
Left In: 0.448+/-0.000 χ^2/NDF:1347802.9/22

+ sign 0.428+/-0.000 χ^2/NDF: 4990257.4/52

All: 0.429+/-0.000 χ^2/NDF: 9543903.2/108

- sign 0.430+/-0.000 χ^2/NDF: 4552816.7/55

yield_bcm_dg_ds_mean vs Slug



Right In: 145.382+/-0.000 χ^2/NDF: 3722001893.5/27

Left Out: 146.956+/-0.000 χ^2/NDF:542800379.5/24

Right Out: 143.712+/-0.000 χ^2/NDF: 7684159709.1/32

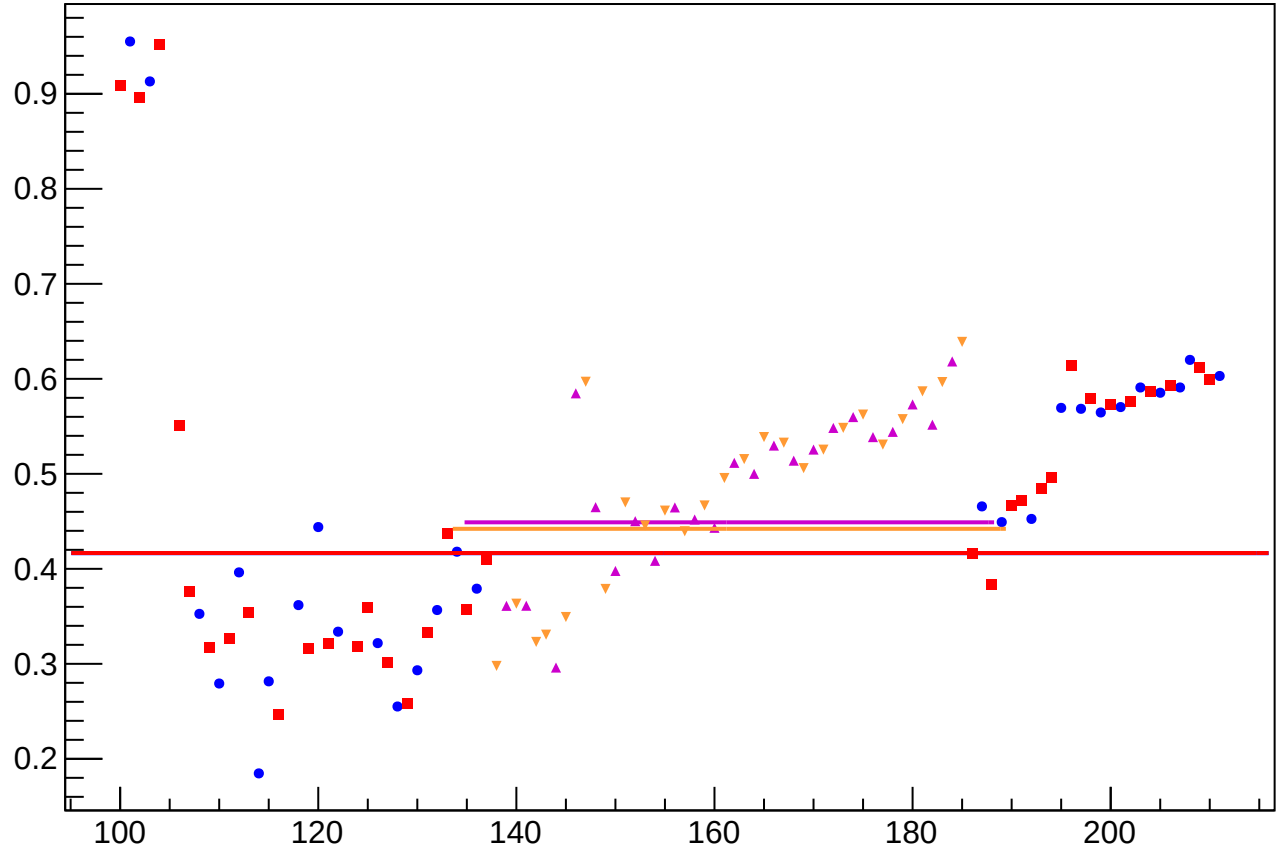
Left In: 146.278+/-0.000 χ^2/NDF:825161532.5/22

+ sign 146.219+/-0.000 χ^2/NDF: 4370907942.0/52

All: 145.587+/-0.000 χ^2/NDF: 13302573732.

- sign 144.963+/-0.000 χ^2/NDF: 8795352592.4/55

yield_bcm_dg_ds_rms vs Slug



Right In: 0.416+/-0.000 χ^2/NDF: 3239366.3/27

Left Out: 0.442+/-0.000 χ^2/NDF:1676682.9/24

Right Out: 0.417+/-0.000 χ^2/NDF: 3124153.0/32

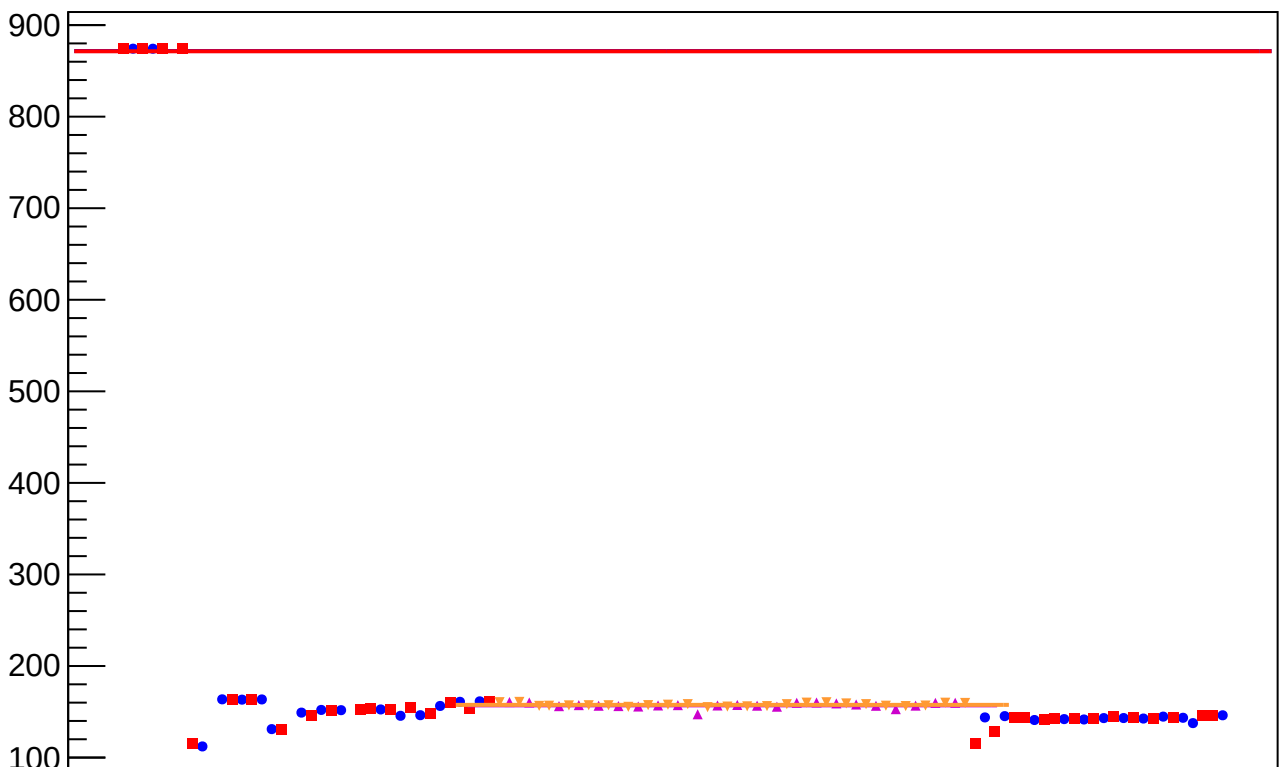
Left In: 0.449+/-0.000 χ^2/NDF:1300658.3/22

+ sign 0.430+/-0.000 χ^2/NDF: 4972491.3/52

All: 0.431+/-0.000 χ^2/NDF: 9488885.9/108

- sign 0.432+/-0.000 χ^2/NDF: 4515475.4/55

yield_cav4bQ_mean vs Slug



Right In: 871.680+/-0.000 χ^2/NDF: 13130487053111.1/27

Left Out: 157.566+/-0.000 χ^2/NDF:104641292.0/24

Right Out: 871.420+/-0.000 χ^2/NDF: 16724464436883.6/32

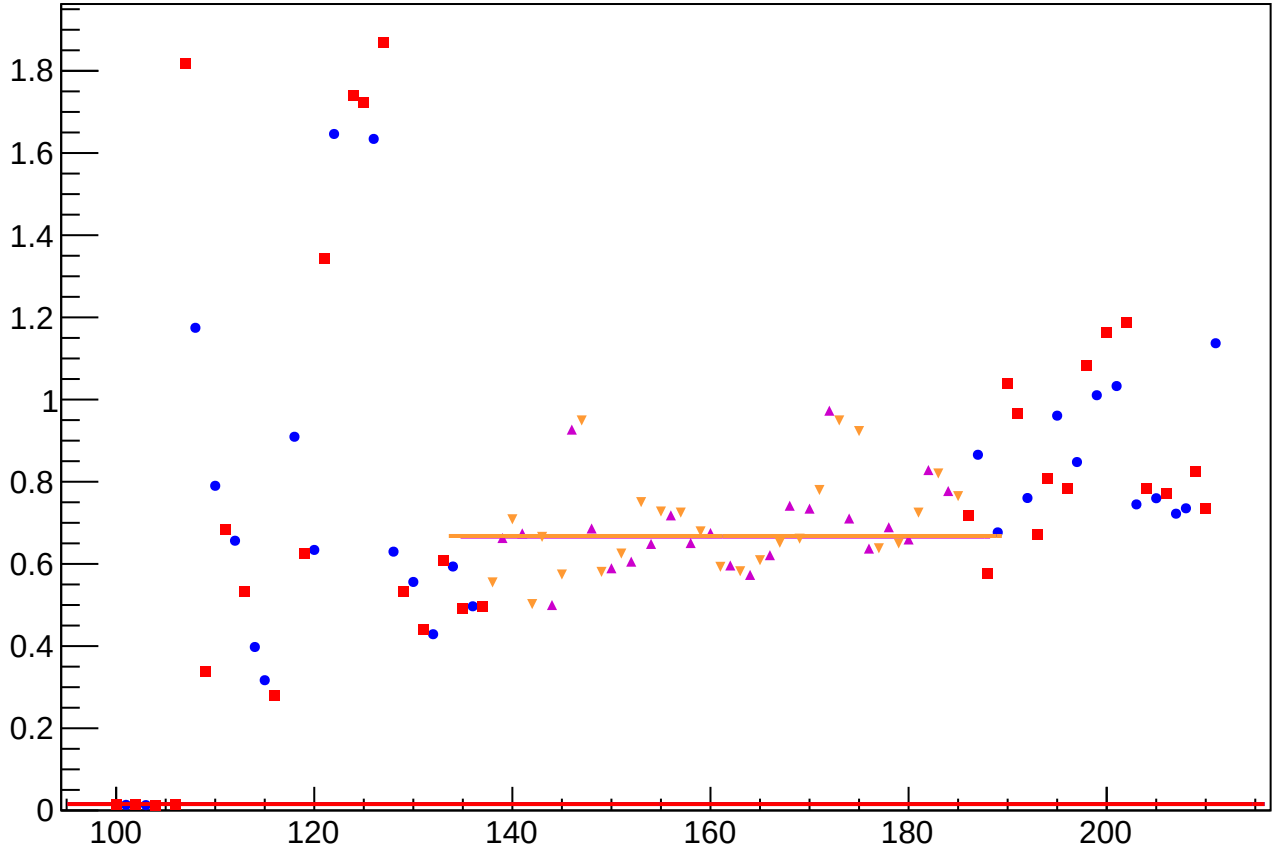
Left In: 157.013+/-0.000 χ^2/NDF:239819941.9/22

+ sign 868.306+/-0.000 χ^2/NDF: 30326720219518.

All: 868.471+/-0.000 χ^2/NDF: 635275419095

- sign 868.615+/-0.000 χ^2/NDF: 33200454447949.4

yield_cav4bQ_rms vs Slug



Right In: 0.016+/-0.000 χ^2/NDF: 24149488.7/27

Left Out: 0.668+/-0.000 χ^2/NDF:681720.2/24

Right Out: 0.016+/-0.000 χ^2/NDF: 26679628.4/32

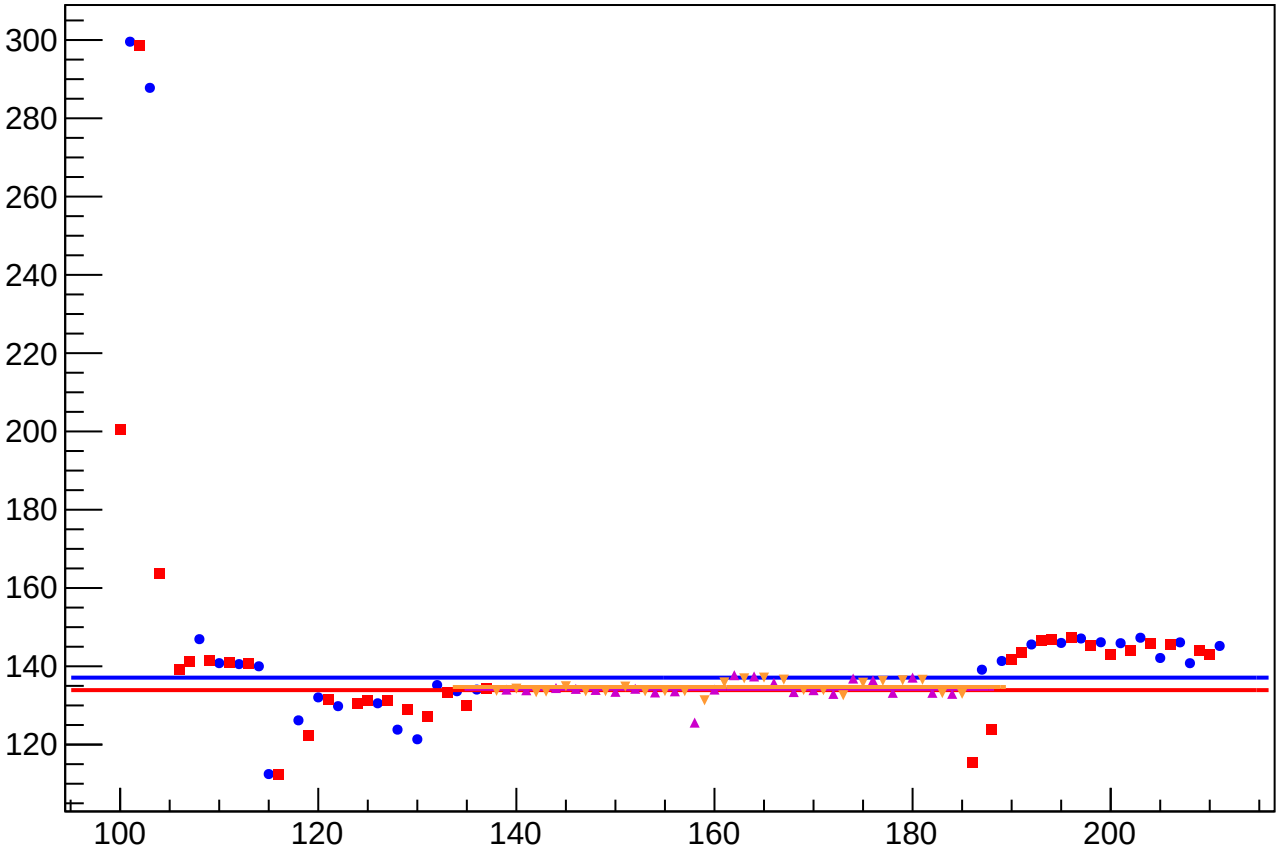
Left In: 0.666+/-0.000 χ^2/NDF:536078.9/22

+ sign 0.019+/-0.000 χ^2/NDF: 53531156.2/52

All: 0.018+/-0.000 χ^2/NDF: 108103909.1/108

- sign 0.018+/-0.000 χ^2/NDF: 54569969.6/55

yield_cav4cQ_mean vs Slug



Right In: 137.105+/-0.000 χ^2/NDF: 3526331066.6/27

Left Out: 134.714+/-0.000 χ^2/NDF:159886495.0/24

Right Out: 133.913+/-0.000 χ^2/NDF: 5325305630.6/32

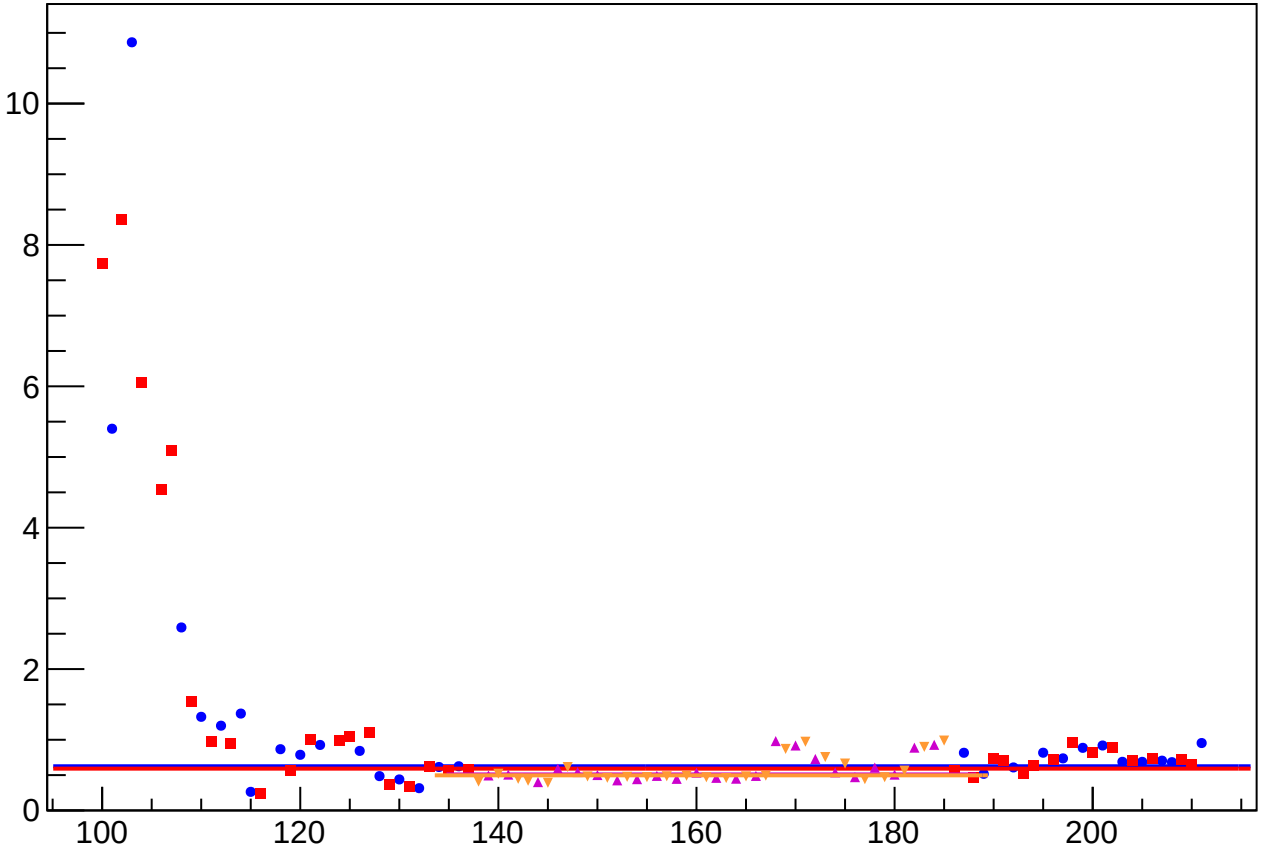
Left In: 134.250+/-0.000 χ^2/NDF:441522664.4/22

+ sign 135.426+/-0.000 χ^2/NDF: 3800219240.6/52

All: 134.777+/-0.000 χ^2/NDF: 9649980591.2

- sign 134.127+/-0.000 χ^2/NDF: 5769337915.6/55

yield_cav4cQ_rms vs Slug



Right In: 0.625+/-0.000 χ^2/NDF: 5059883.4/27

Left Out: 0.497+/-0.000 χ^2/NDF:1572512.9/24

Right Out: 0.592+/-0.000 χ^2/NDF: 6016858.5/32

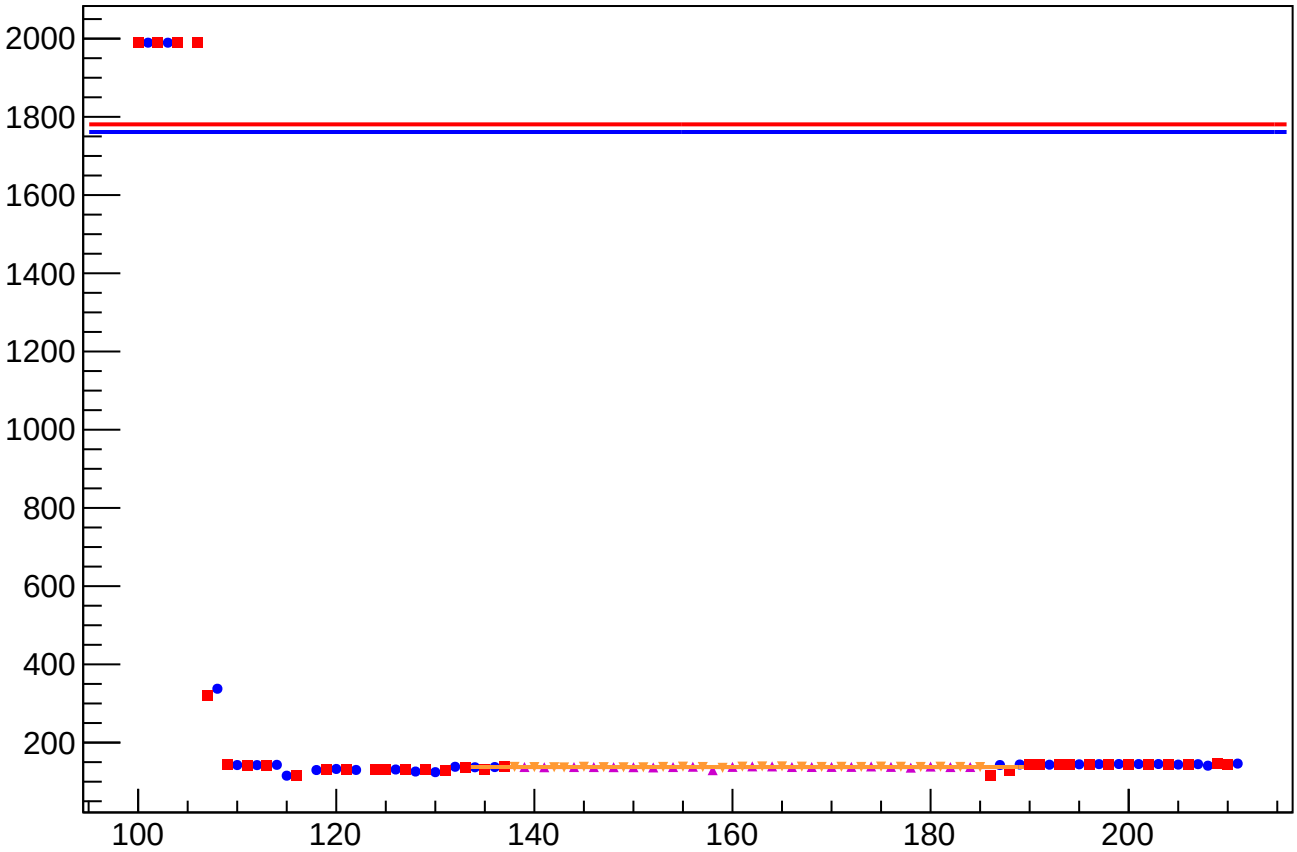
Left In: 0.510+/-0.000 χ^2/NDF:1485489.4/22

+ sign 0.535+/-0.000 χ^2/NDF: 7287932.3/52

All: 0.537+/-0.000 χ^2/NDF: 15089013.1/108

- sign 0.540+/-0.000 χ^2/NDF: 7799215.9/55

yield_cav4dQ_mean vs Slug



Right In: 1761.259+/-0.000 χ^2/NDF: 221849243927865.0/27

Left Out: 137.578+/-0.000 χ^2/NDF:64111345.2/24

Right Out: 1780.793+/-0.000 χ^2/NDF: 240643317622397.4/32

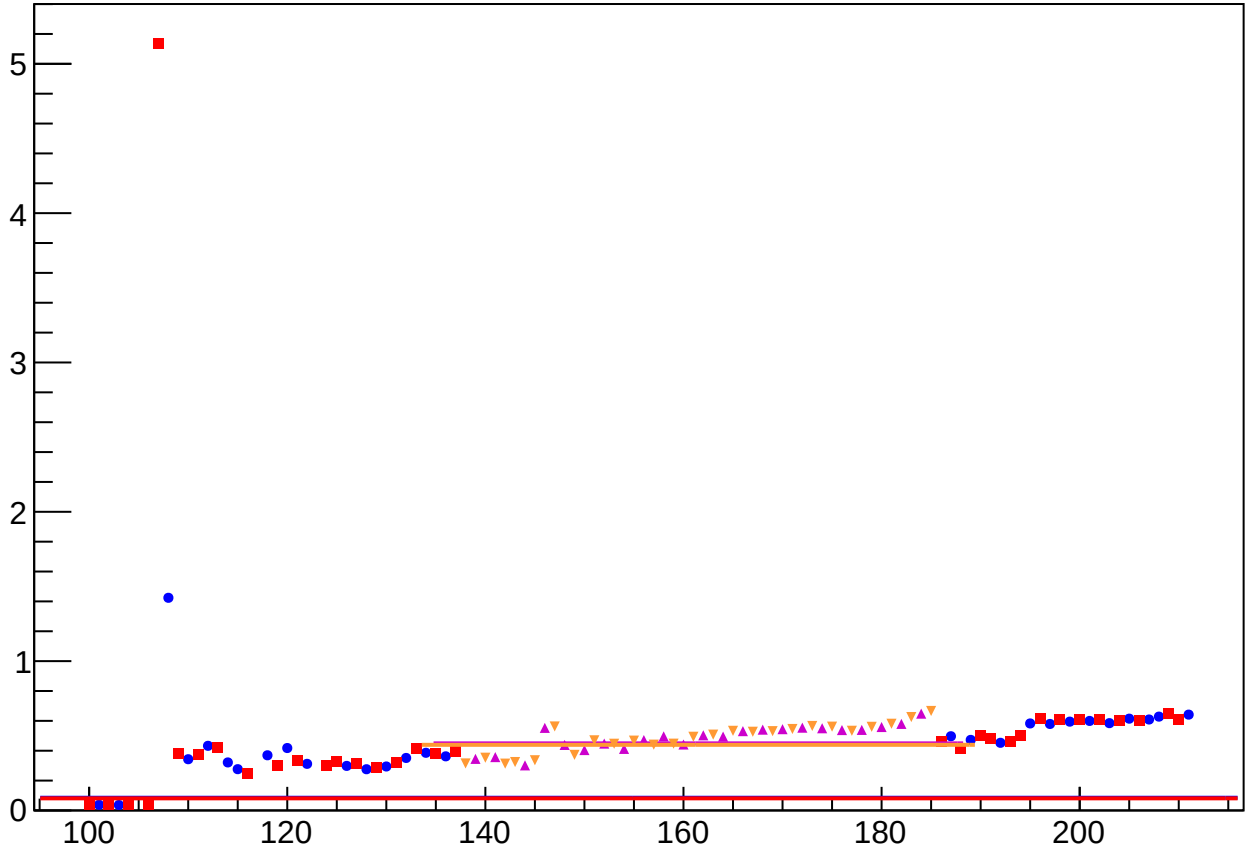
Left In: 137.349+/-0.000 χ^2/NDF:248752254.7/22

+ sign 1543.053+/-0.000 χ^2/NDF: 43372644611039

All: 1575.039+/-0.000 χ^2/NDF: 8801785148

- sign 1603.176+/-0.000 χ^2/NDF: 44512342554827

yield_cav4dQ_rms vs Slug



Right In: 0.085+/-0.000 χ^2/NDF: 21817640.3/27

Left Out: 0.440+/-0.000 χ^2/NDF:1765604.0/24

Right Out: 0.081+/-0.000 χ^2/NDF: 23531098.4/32

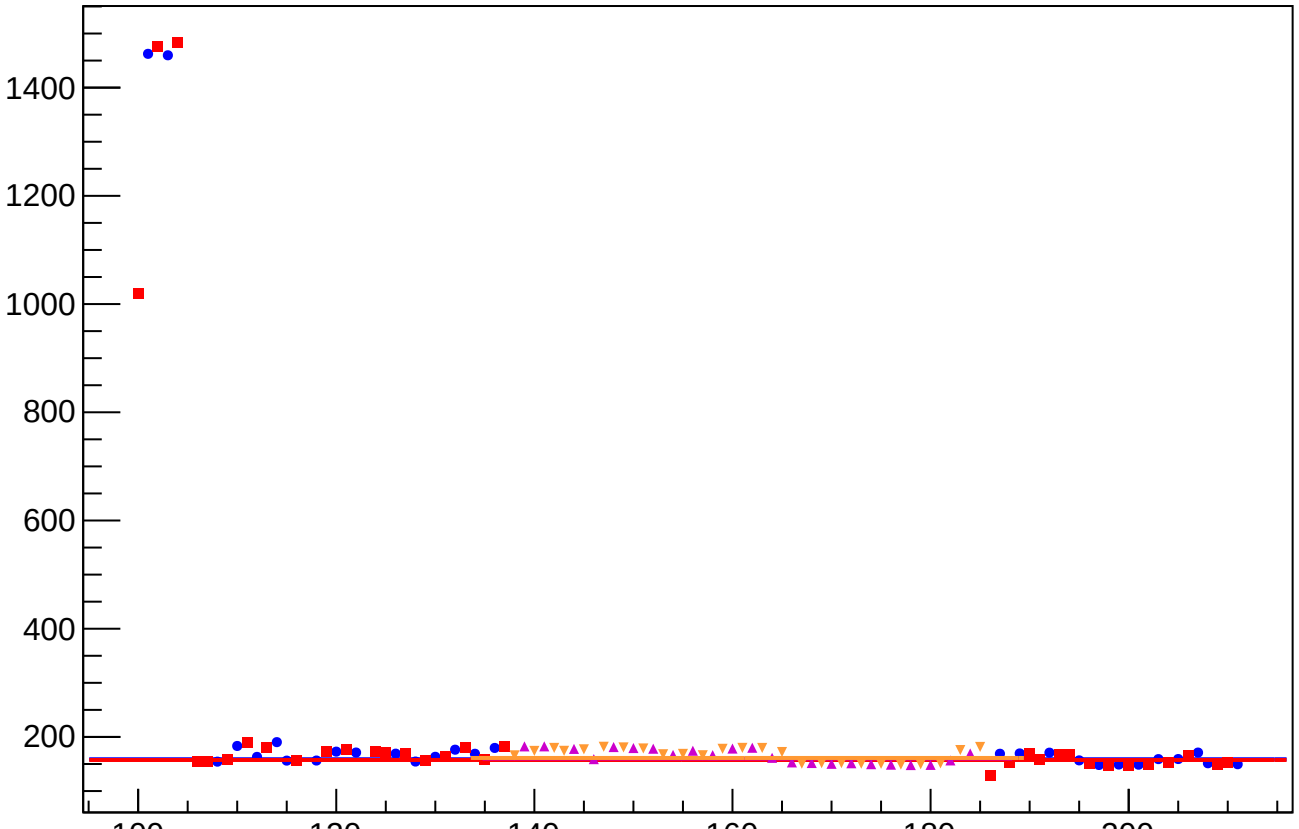
Left In: 0.449+/-0.000 χ^2/NDF:1340860.2/22

+ sign 0.133+/-0.000 χ^2/NDF: 43776871.2/52

All: 0.126+/-0.000 χ^2/NDF: 89271576.5/108

- sign 0.121+/-0.000 χ^2/NDF: 45391920.5/55

yield_bcm0l02_mean vs Slug



Right In: 158.758+/-0.000 χ^2/NDF: 15982747548.5/27

Left Out: 161.147+/-0.000 χ^2/NDF:3739064587.8/24

Right Out: 157.433+/-0.000 χ^2/NDF: 18332273534.6/32

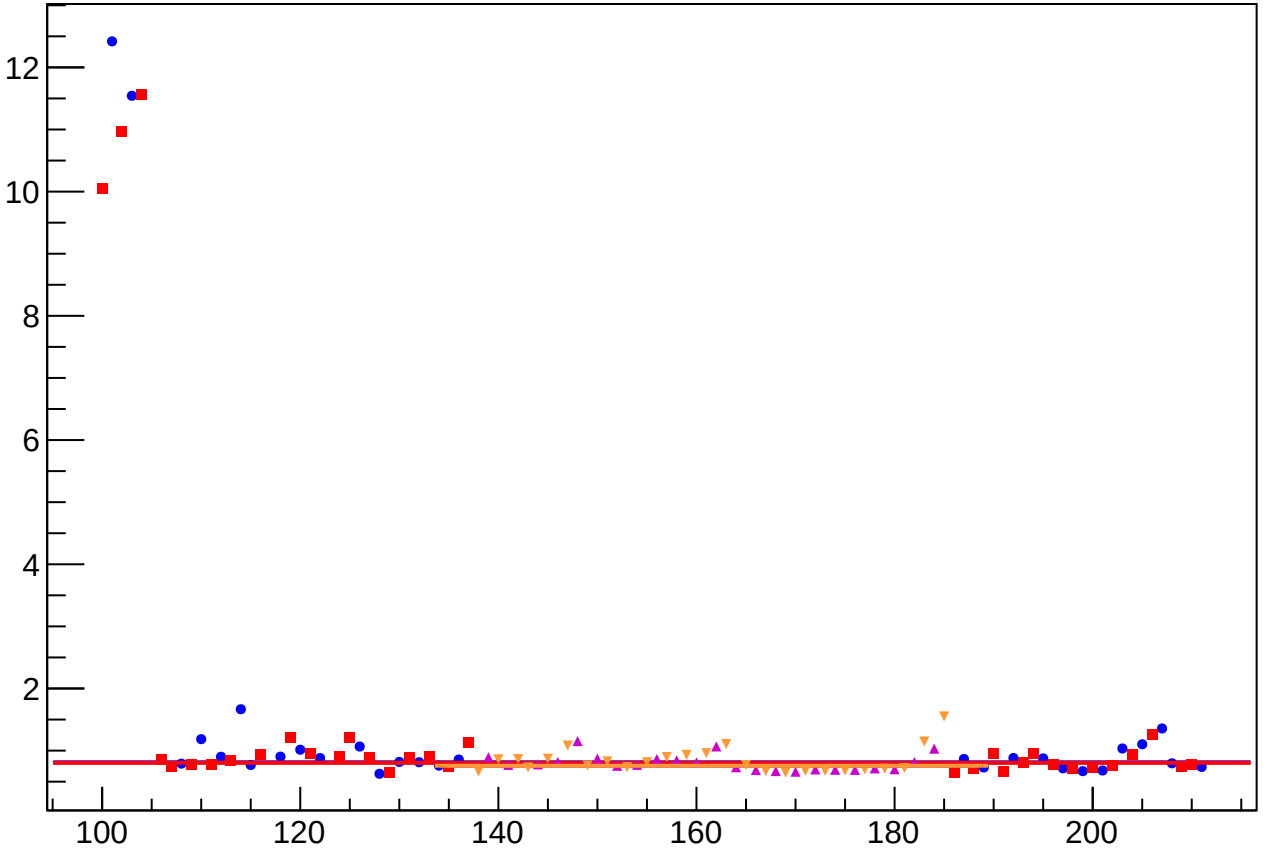
Left In: 160.140+/-0.000 χ^2/NDF:3738383186.1/22

+ sign 160.169+/-0.000 χ^2/NDF: 19779102266.3/52

All: 159.531+/-0.000 χ^2/NDF: 41961102207.

- sign 158.916+/-0.000 χ^2/NDF: 22148797285.3/55

yield_bcm0l02_rms vs Slug



Right In: 0.811+/-0.000 χ^2/NDF: 2871044.1/27

Left Out: 0.756+/-0.000 χ^2/NDF:750259.3/24

Right Out: 0.804+/-0.000 χ^2/NDF: 2627741.2/32

Left In: 0.755+/-0.000 χ^2/NDF:472792.1/22

+ sign 0.779+/-0.000 χ^2/NDF: 3681516.9/52

All: 0.778+/-0.000 χ^2/NDF: 6832449.5/108

- sign 0.777+/-0.000 χ^2/NDF: 3150858.2/55

Right In: 156021.002+/-0.047 χ^2/NDF: 39966994544.6/27

Left Out: 167385.483+/-0.047 χ^2/NDF:59602607546.2/24

Right Out: 156033.567+/-0.044 χ^2/NDF: 46141816016.7/32

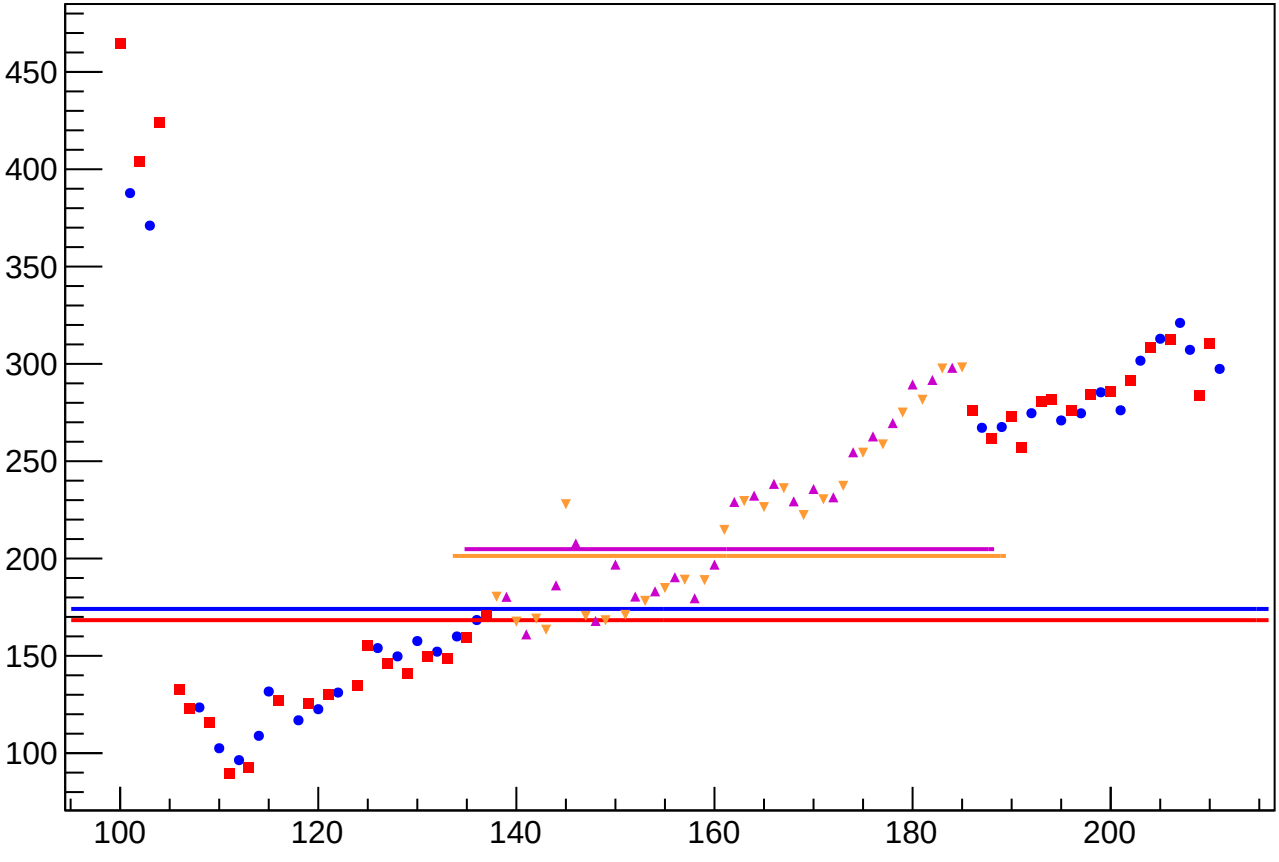
Left In: 167234.214+/-0.049 χ^2/NDF:55099214555.0/22

+ sign 161767.484+/-0.033 χ^2/NDF: 12880395417

All: 161410.732+/-0.023 χ^2/NDF: 25920831

- sign 161064.200+/-0.033 χ^2/NDF: 13017715979

yield_bpm2i01WS_rms vs Slug



Right In: 174.099+/-0.033 χ^2/NDF: 5384840.1/27

Left Out: 201.329+/-0.033 χ^2/NDF:1230655.6/24

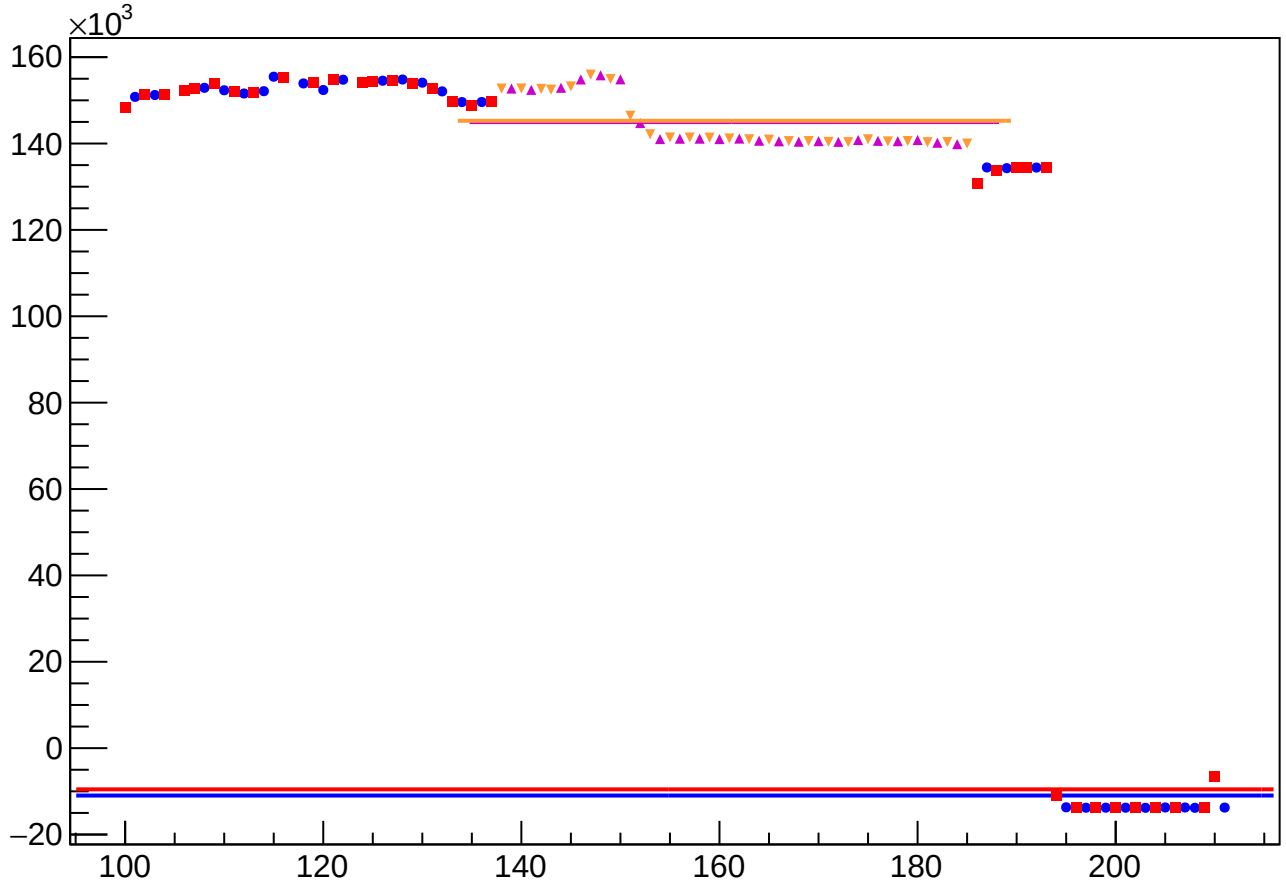
Right Out: 168.331+/-0.031 χ^2/NDF: 6391218.3/32

Left In: 204.826+/-0.035 χ^2/NDF:1053130.7/22

+ sign 187.868+/-0.023 χ^2/NDF: 6951156.8/52

All: 186.272+/-0.016 χ^2/NDF: 15019004.1/10

- sign 184.722+/-0.023 χ^2/NDF: 8058756.1/55



Right In: -10970.868+/-0.009 χ^2/NDF: 5881610317937.0/27

Left Out: 145269.857+/-0.049 χ^2/NDF:13706269279.5/24

Right Out: -9538.702+/-0.009 χ^2/NDF: 7135883444738.4/32

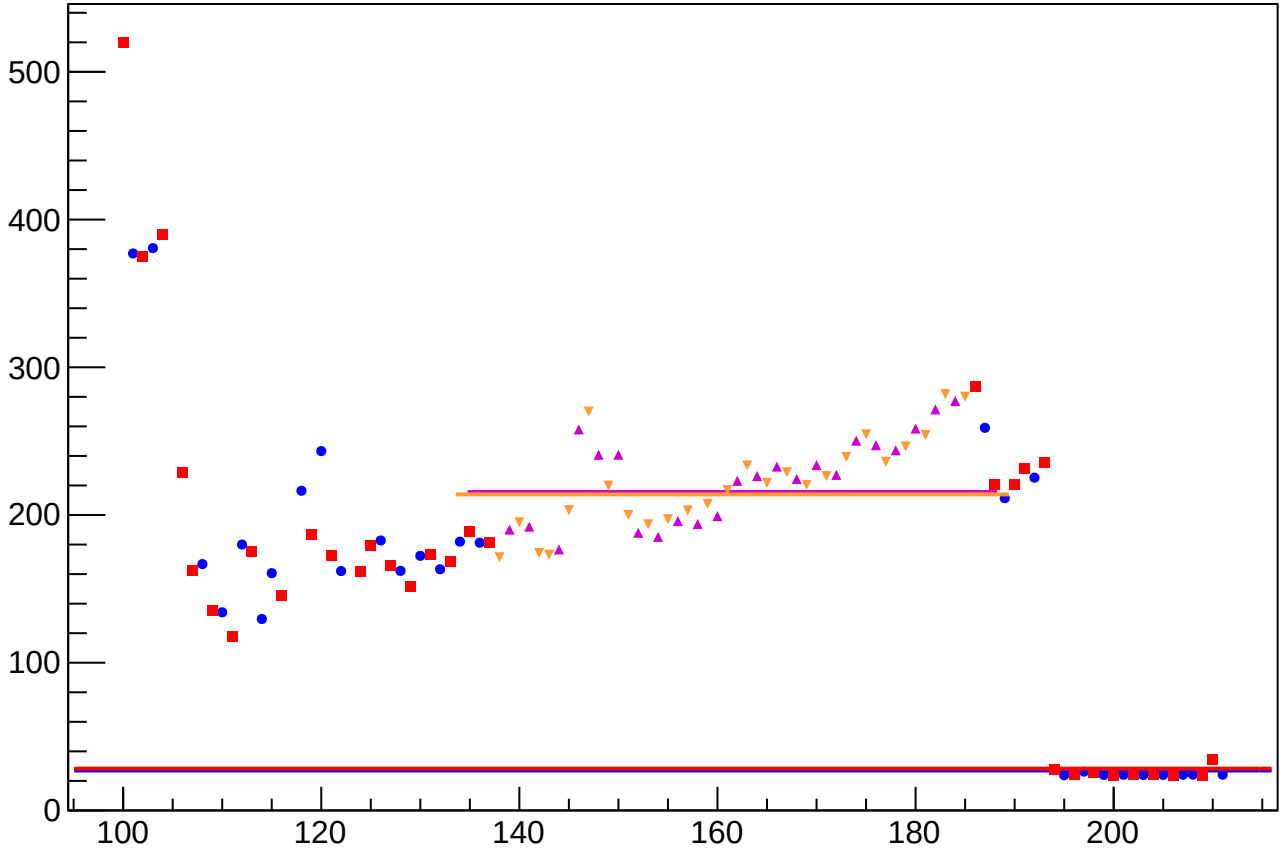
Left In: 144966.398+/-0.051 χ^2/NDF:13154547043.3/22

+ sign -6217.153+/-0.009 χ^2/NDF: 1559895696993

All: -5425.440+/-0.006 χ^2/NDF: 3157503667

- sign -4516.189+/-0.009 χ^2/NDF: 1595793339264

yield_bpm0i07WS_rms vs Slug



Right In: 27.080+/-0.006 χ^2/NDF: 12689106.3/27

Left Out: 213.951+/-0.035 χ^2/NDF:650607.8/24

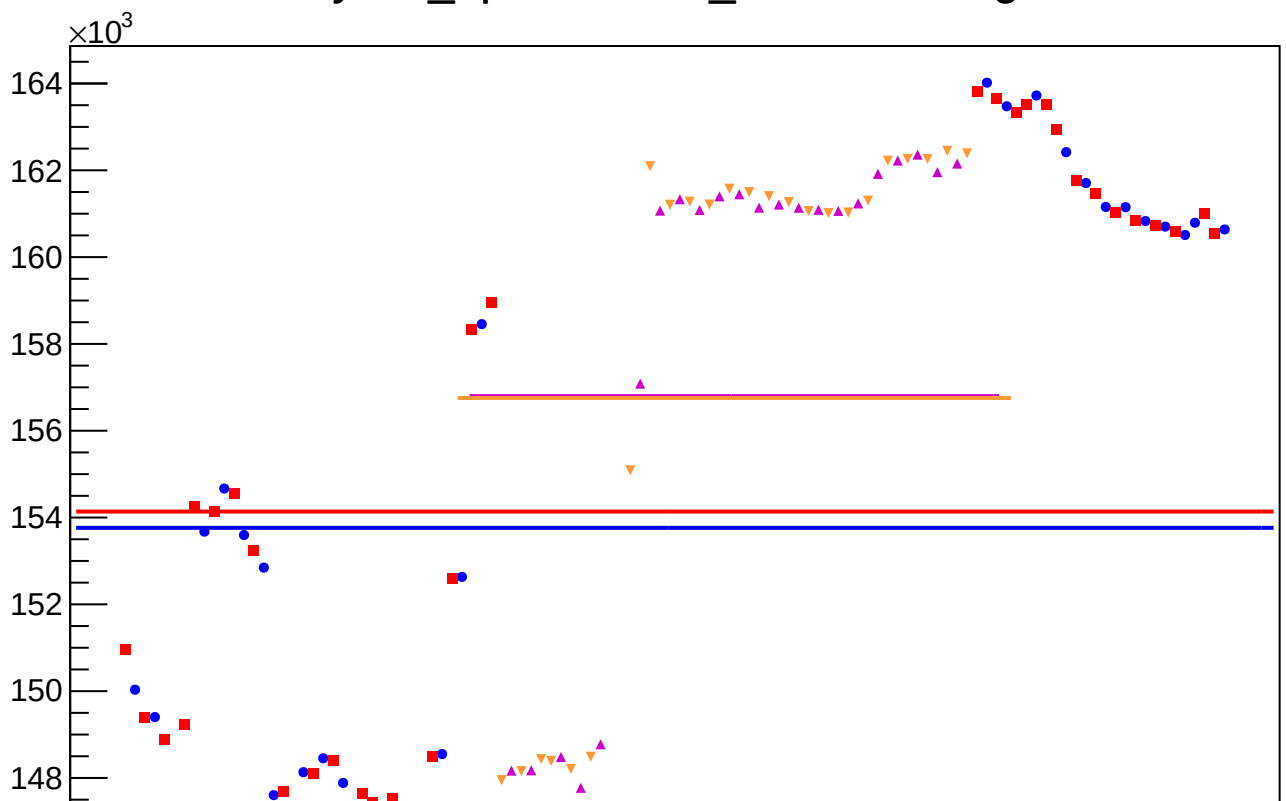
Right Out: 28.306+/-0.007 χ^2/NDF: 14450120.5/32

Left In: 215.539+/-0.036 χ^2/NDF:600575.7/22

+ sign 32.765+/-0.006 χ^2/NDF: 41102433.6/52

All: 33.523+/-0.004 χ^2/NDF: 82058153.0/108

- sign 34.393+/-0.007 χ^2/NDF: 40922496.7/55



Right In: 153763.237+/-0.053 χ^2/NDF: 11770882858.4/27

Left Out: 156754.233+/-0.049 χ^2/NDF:16380807583.4/24

Right Out: 154138.328+/-0.051 χ^2/NDF: 12877830411.6/32

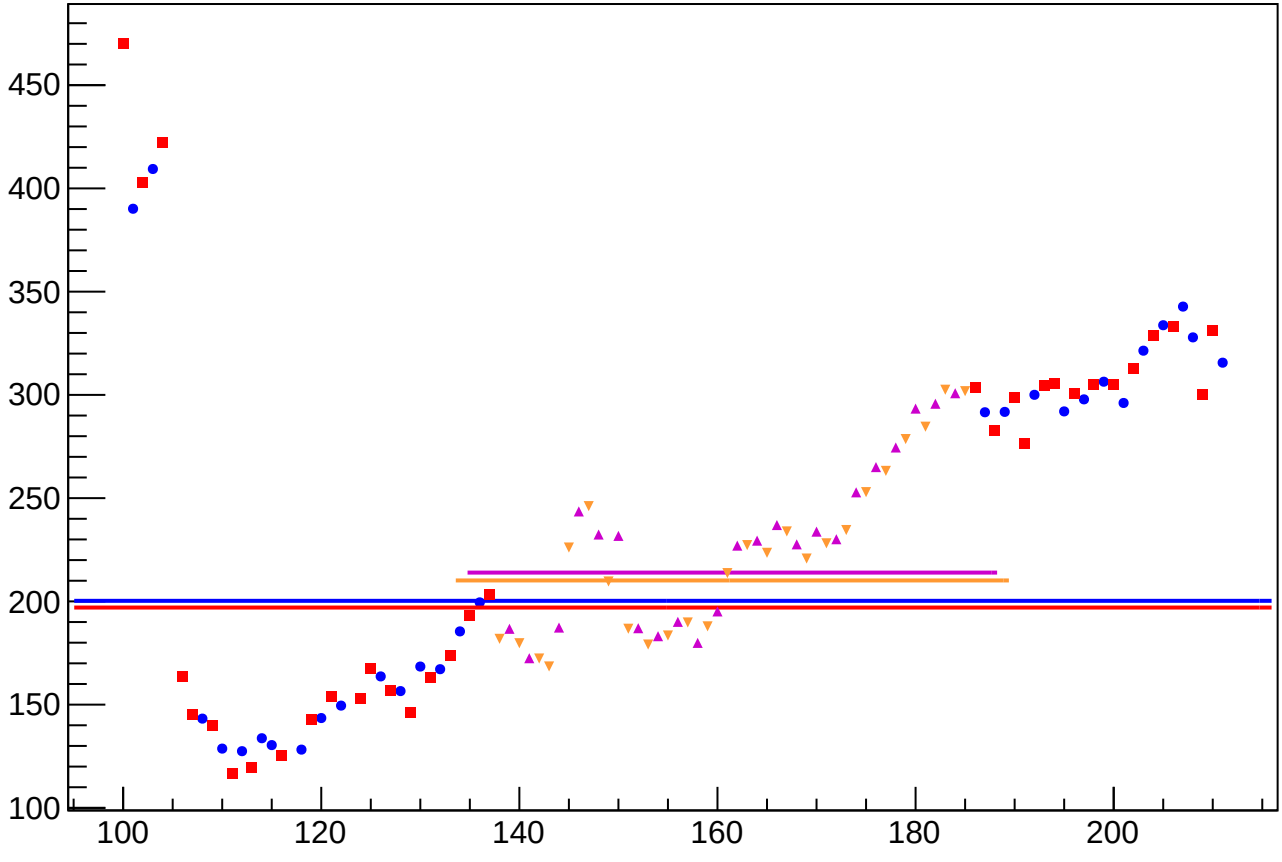
Left In: 156798.005+/-0.051 χ^2/NDF:14344098884.4/22

+ sign 155399.709+/-0.036 χ^2/NDF: 29864188888.

All: 155431.099+/-0.025 χ^2/NDF: 58455944

- sign 155462.441+/-0.036 χ^2/NDF: 28590234398.6

yield_bpm0i01WS_rms vs Slug



Right In: 200.271+/-0.038 χ^2/NDF: 4482614.6/27

Left Out: 210.142+/-0.034 χ^2/NDF:997802.7/24

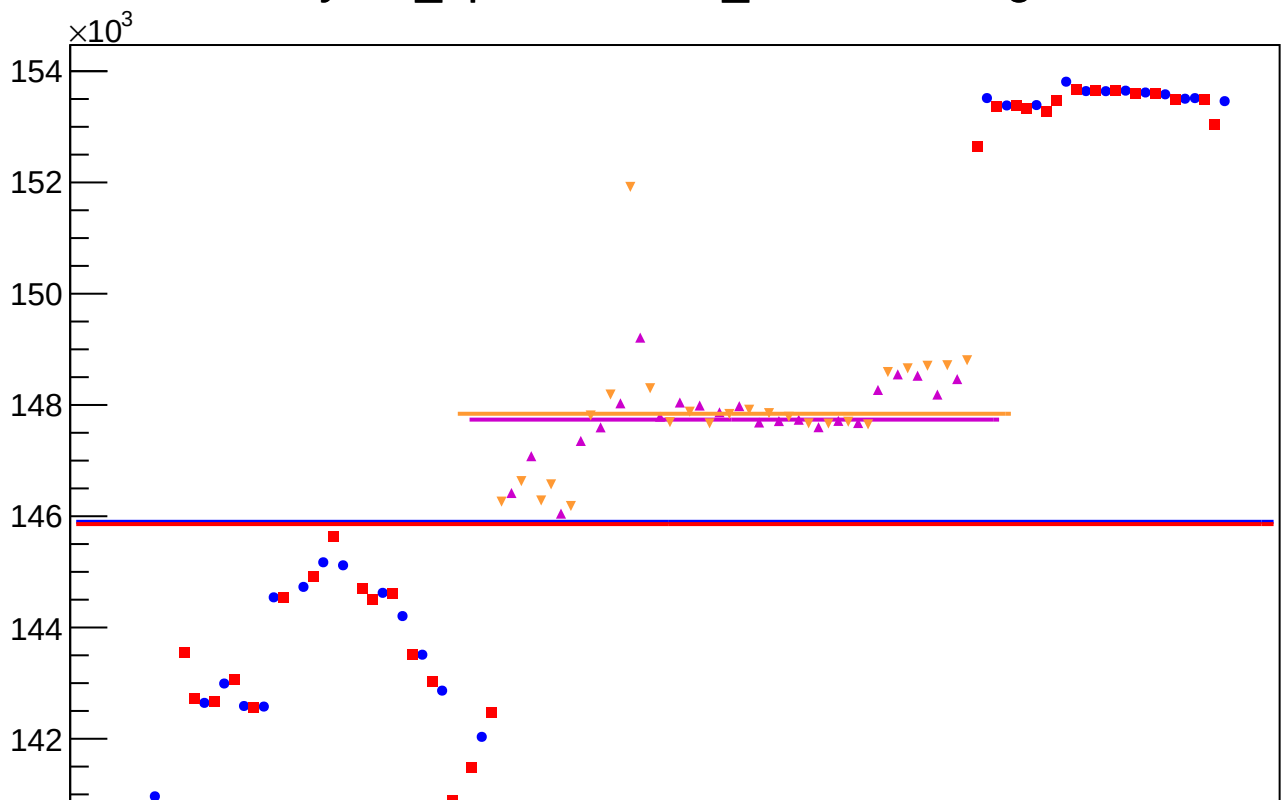
Right Out: 197.019+/-0.036 χ^2/NDF: 5095237.8/32

Left In: 213.945+/-0.036 χ^2/NDF:914465.3/22

+ sign 205.672+/-0.025 χ^2/NDF: 5517724.5/52

All: 205.559+/-0.018 χ^2/NDF: 11638302.1/10

- sign 205.446+/-0.025 χ^2/NDF: 6120538.0/55



Right In: 145899.858+/-0.046 χ^2/NDF: 9932265428.9/27

Left Out: 147842.157+/-0.045 χ^2/NDF:713066054.2/24

Right Out: 145858.748+/-0.043 χ^2/NDF: 11199088727.4/32

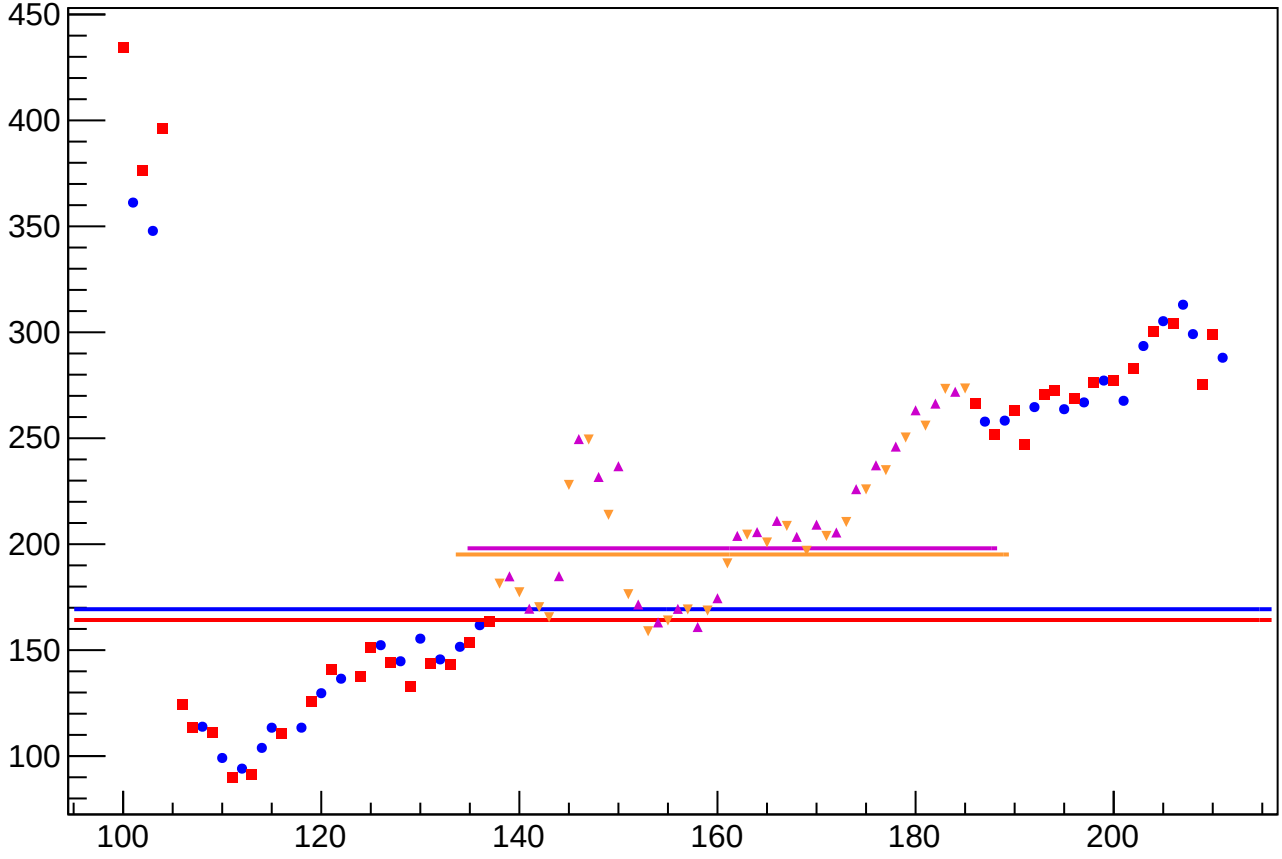
Left In: 147736.722+/-0.047 χ^2/NDF:227077133.0/22

+ sign 146888.562+/-0.032 χ^2/NDF: 1155469285

All: 146797.973+/-0.023 χ^2/NDF: 2386272

- sign 146709.821+/-0.032 χ^2/NDF: 1229241218

yield_bpm0i01aWS_rms vs Slug



Right In: 169.317+/-0.032 χ^2/NDF: 5330965.7/27

Left Out: 195.145+/-0.032 χ^2/NDF:903994.2/24

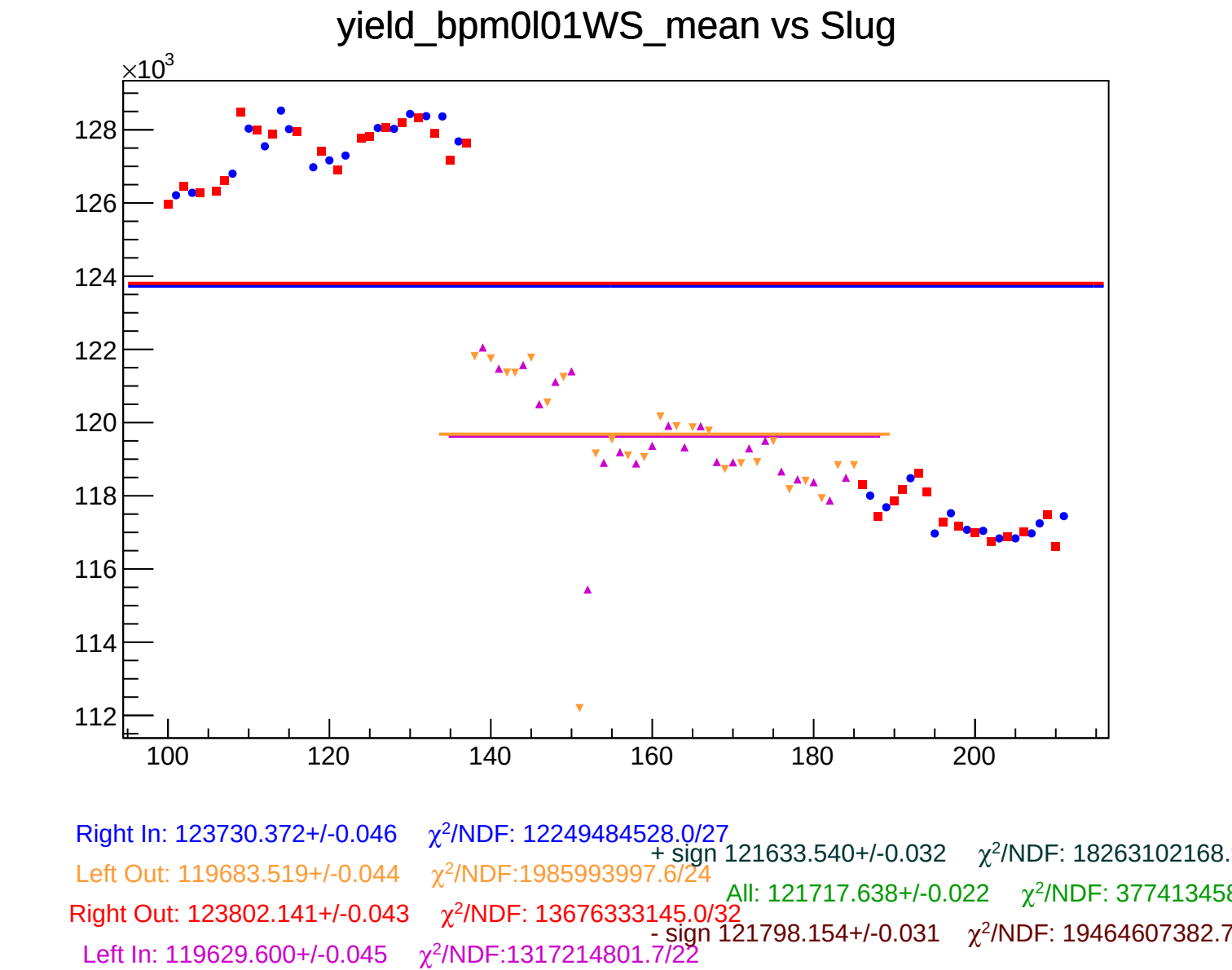
Right Out: 164.221+/-0.030 χ^2/NDF: 6236702.2/32

Left In: 198.057+/-0.033 χ^2/NDF:900359.1/22

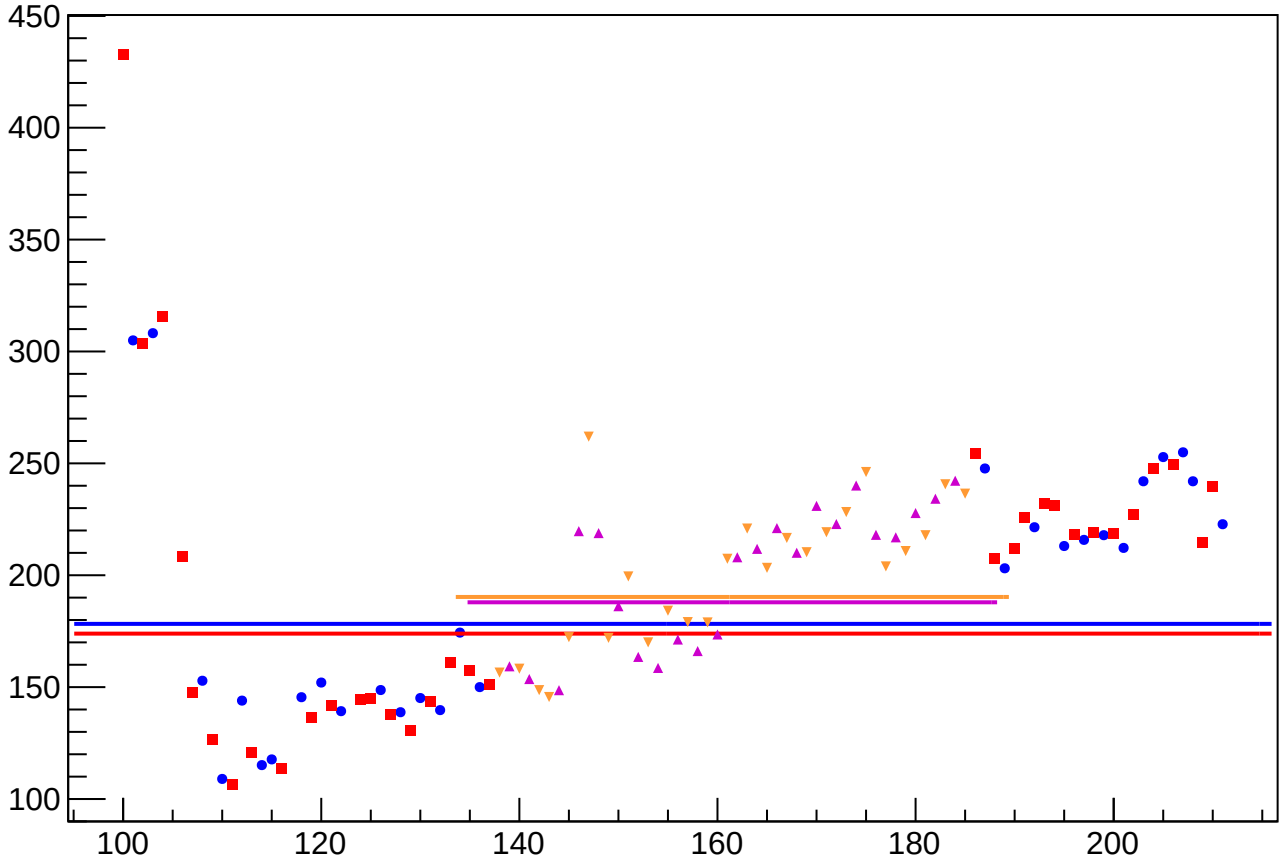
+ sign 182.464+/-0.023 χ^2/NDF: 6556580.8/52

All: 180.990+/-0.016 χ^2/NDF: 14264322.9/10

- sign 179.555+/-0.022 χ^2/NDF: 7699465.1/55


yield_bpm0l01WS_mean vs Slug
×10^3
128
126
124
122
120
118
116
114
112
100
120
140
160
180
200
Right In: 123730.372+/-0.046 χ²/NDF: 12249484528.0/27
Left Out: 119683.519+/-0.044 χ²/NDF:1985993997.6/24
Right Out: 123802.141+/-0.043 χ²/NDF: 13676333145.0/32
Left In: 119629.600+/-0.045 χ²/NDF:1317214801.7/22
+ sign 121633.540+/-0.032 χ²/NDF: 18263102168.
All: 121717.638+/-0.022 χ²/NDF: 37741345
- sign 121798.154+/-0.031 χ²/NDF: 19464607382.7

yield_bpm0l01WS_rms vs Slug



Right In: 178.268+/-0.032 χ^2/NDF: 2270557.0/27

Left Out: 190.298+/-0.031 χ^2/NDF:924542.3/24

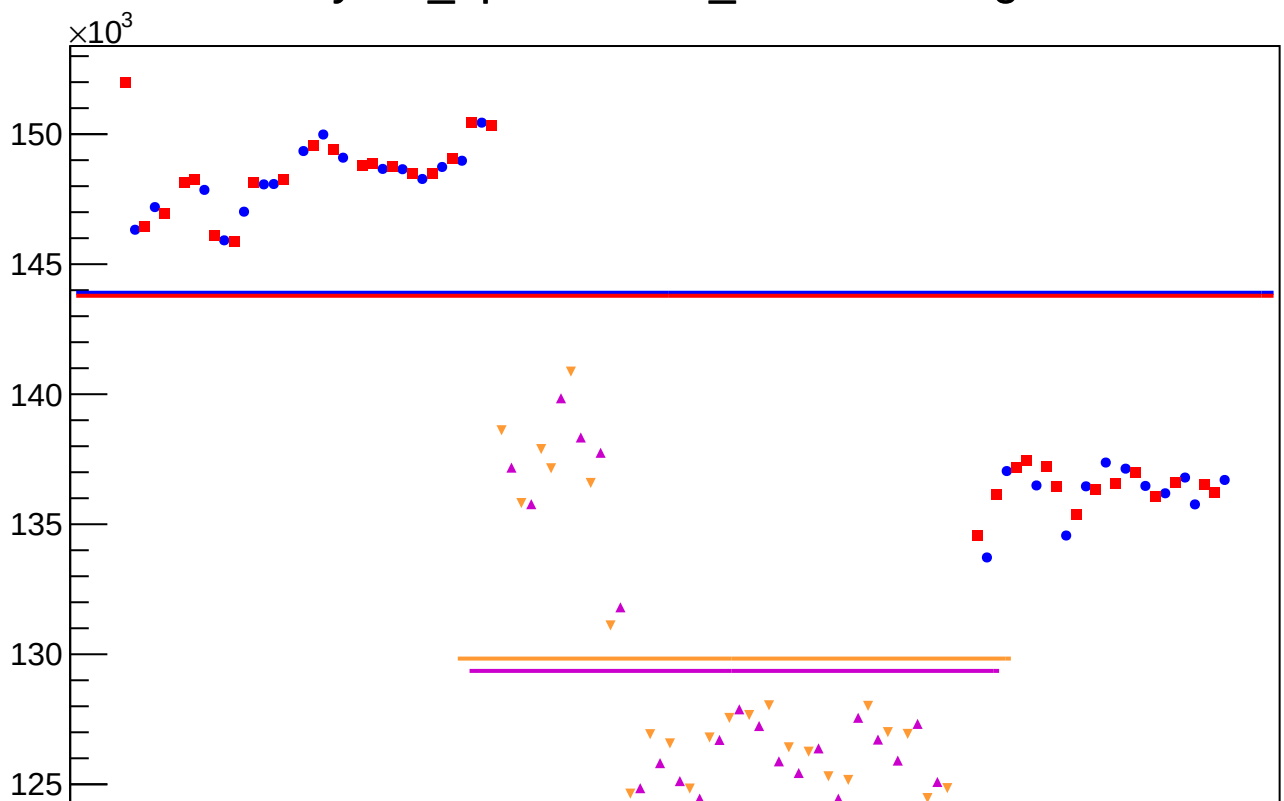
Right Out: 173.910+/-0.031 χ^2/NDF: 2904483.2/32

Left In: 187.909+/-0.032 χ^2/NDF:926037.0/22

+ sign 184.501+/-0.023 χ^2/NDF: 3266277.5/52

All: 182.525+/-0.016 χ^2/NDF: 7212496.5/108

- sign 180.634+/-0.022 χ^2/NDF: 3931165.8/55



Right In: 143901.664+/-0.064 χ^2/NDF: 8647574584.8/27

Left Out: 129834.437+/-0.064 χ^2/NDF:6793515279.7/24

Right Out: 143785.322+/-0.060 χ^2/NDF: 9455460314.9/32

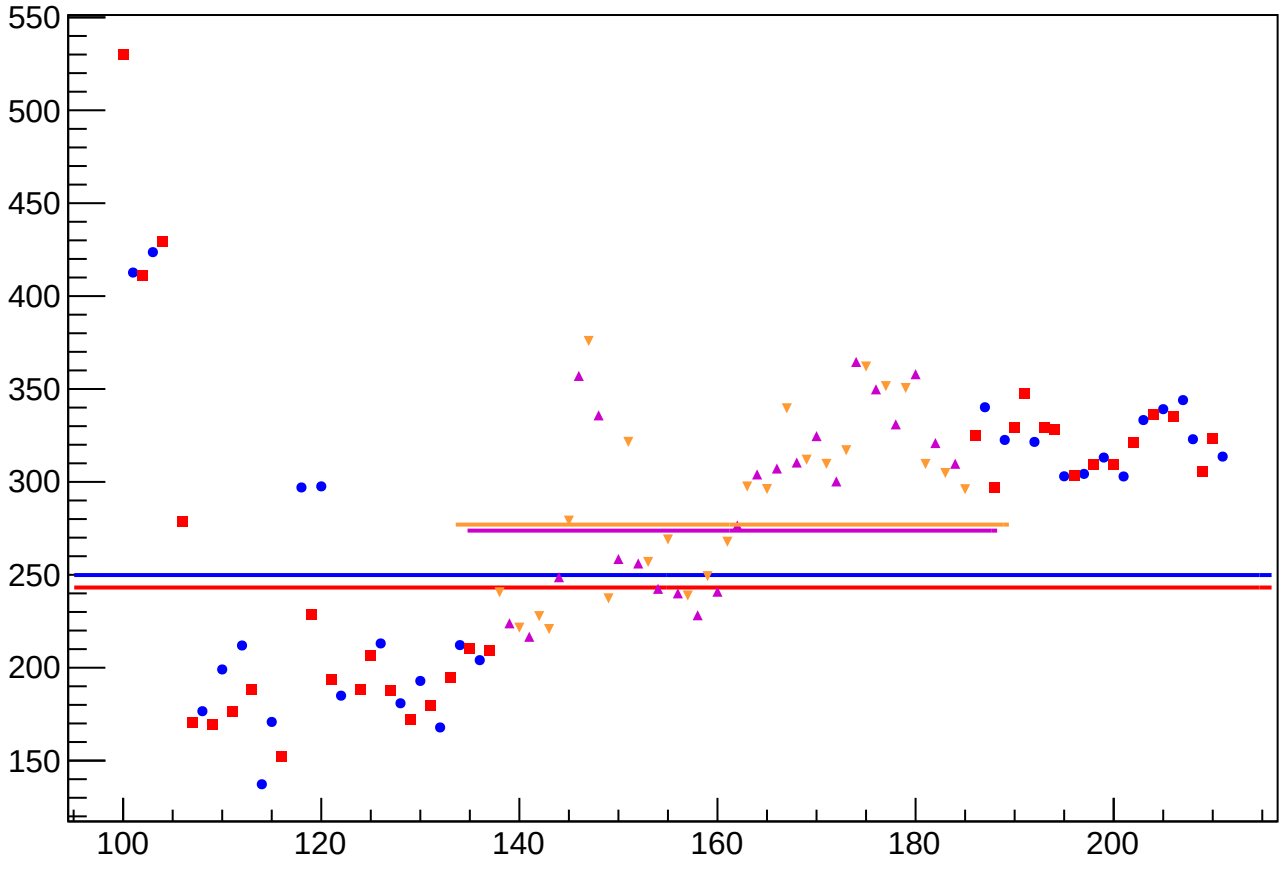
Left In: 129360.487+/-0.065 χ^2/NDF:6626094577.9/22

+ sign 136836.436+/-0.045 χ^2/NDF: 39340019557.

All: 136989.989+/-0.032 χ^2/NDF: 81704668

- sign 137136.034+/-0.044 χ^2/NDF: 42342425027.3

yield_bpm0l02WS_rms vs Slug



Right In: 249.867+/-0.046 χ^2/NDF: 2436251.7/27

Left Out: 277.021+/-0.045 χ^2/NDF:946602.2/24

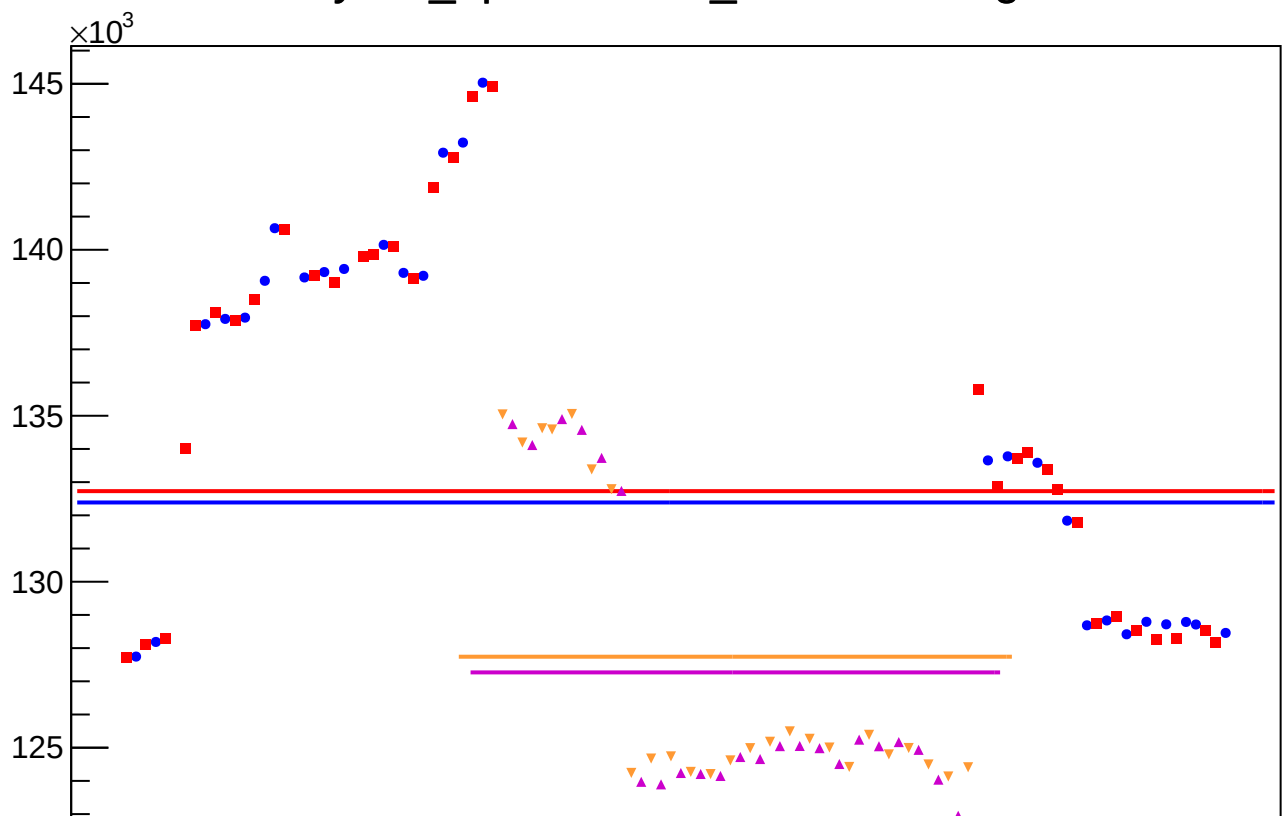
Right Out: 243.161+/-0.043 χ^2/NDF: 2817556.8/32

Left In: 273.784+/-0.046 χ^2/NDF:1003910.6/22

+ sign 263.505+/-0.032 χ^2/NDF: 3560951.5/52

All: 260.313+/-0.022 χ^2/NDF: 7638331.4/108

- sign 257.277+/-0.031 χ^2/NDF: 4058175.5/55



Right In: 132387.654+/-0.103 χ^2/NDF: 2726400890.0/27

Left Out: 127741.156+/-0.136 χ^2/NDF:1092529845.6/24

Right Out: 132729.032+/-0.105 χ^2/NDF: 1971761140.9/32

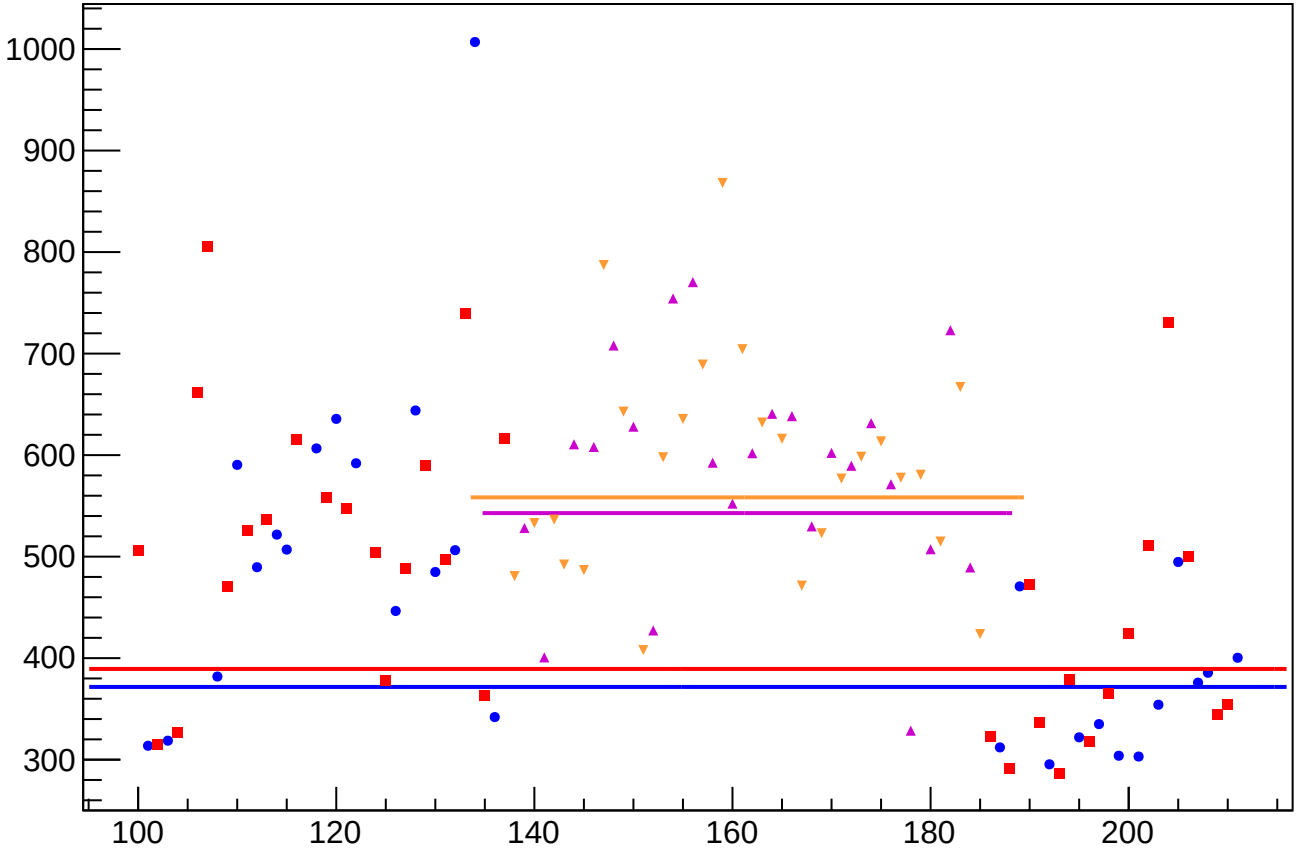
Left In: 127268.542+/-0.139 χ^2/NDF:971404491.0/22

+ sign 130679.369+/-0.082 χ^2/NDF: 4561688121.3

All: 130706.590+/-0.059 χ^2/NDF: 84903863

- sign 130734.851+/-0.084 χ^2/NDF: 3928474691.3/

yield_bpm0l03WS_rms vs Slug



Right In: 371.648+/-0.073 χ^2/NDF: 1582921.2/27

Left Out: 558.373+/-0.096 χ^2/NDF:968289.3/24

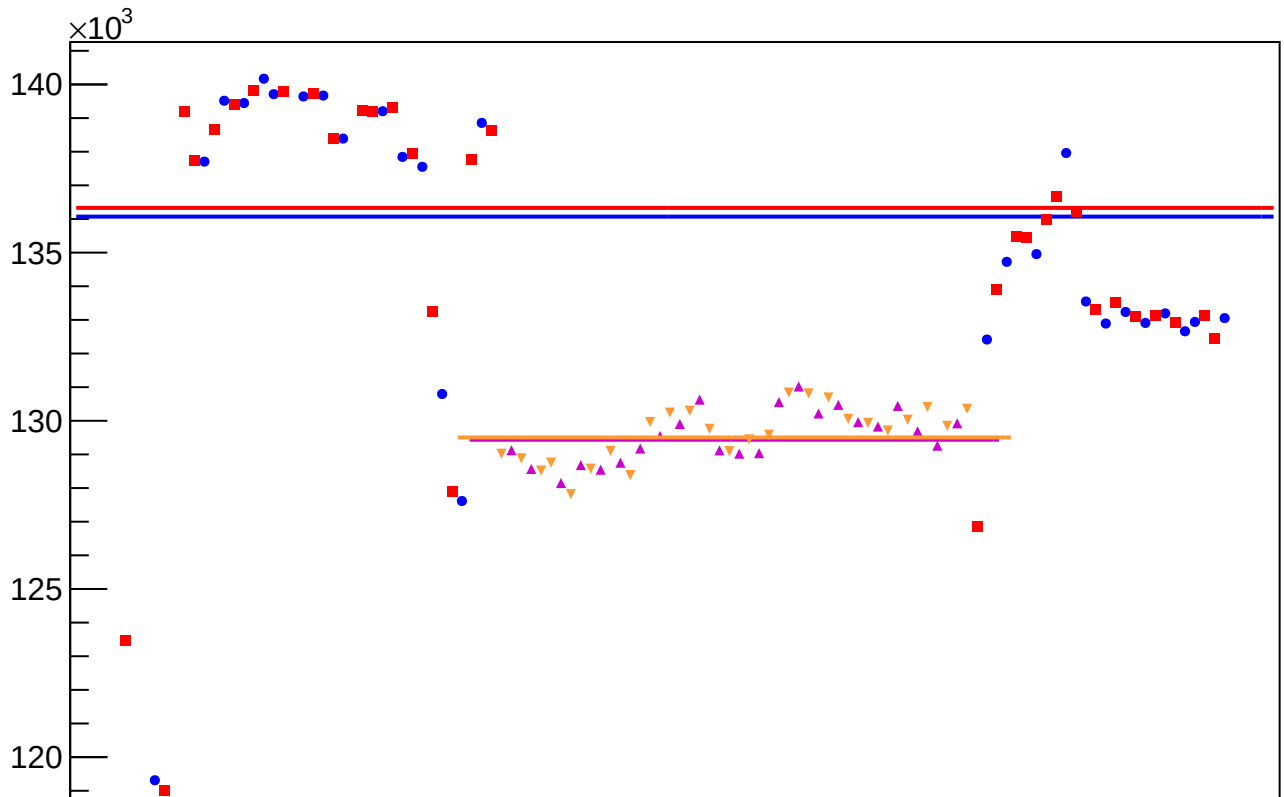
Right Out: 389.387+/-0.074 χ^2/NDF: 1999023.3/32

Left In: 542.872+/-0.098 χ^2/NDF:1416690.9/22

+ sign 440.298+/-0.058 χ^2/NDF: 4950200.8/52

All: 442.821+/-0.041 χ^2/NDF: 9926695.7/108

- sign 445.440+/-0.059 χ^2/NDF: 4972655.1/55



Right In: 136070.631+/-0.059 χ^2/NDF: 6565737589.6/27

Left Out: 129504.922+/-0.047 χ^2/NDF:299464438.2/24

Right Out: 136329.984+/-0.055 χ^2/NDF: 6920466280.3/32

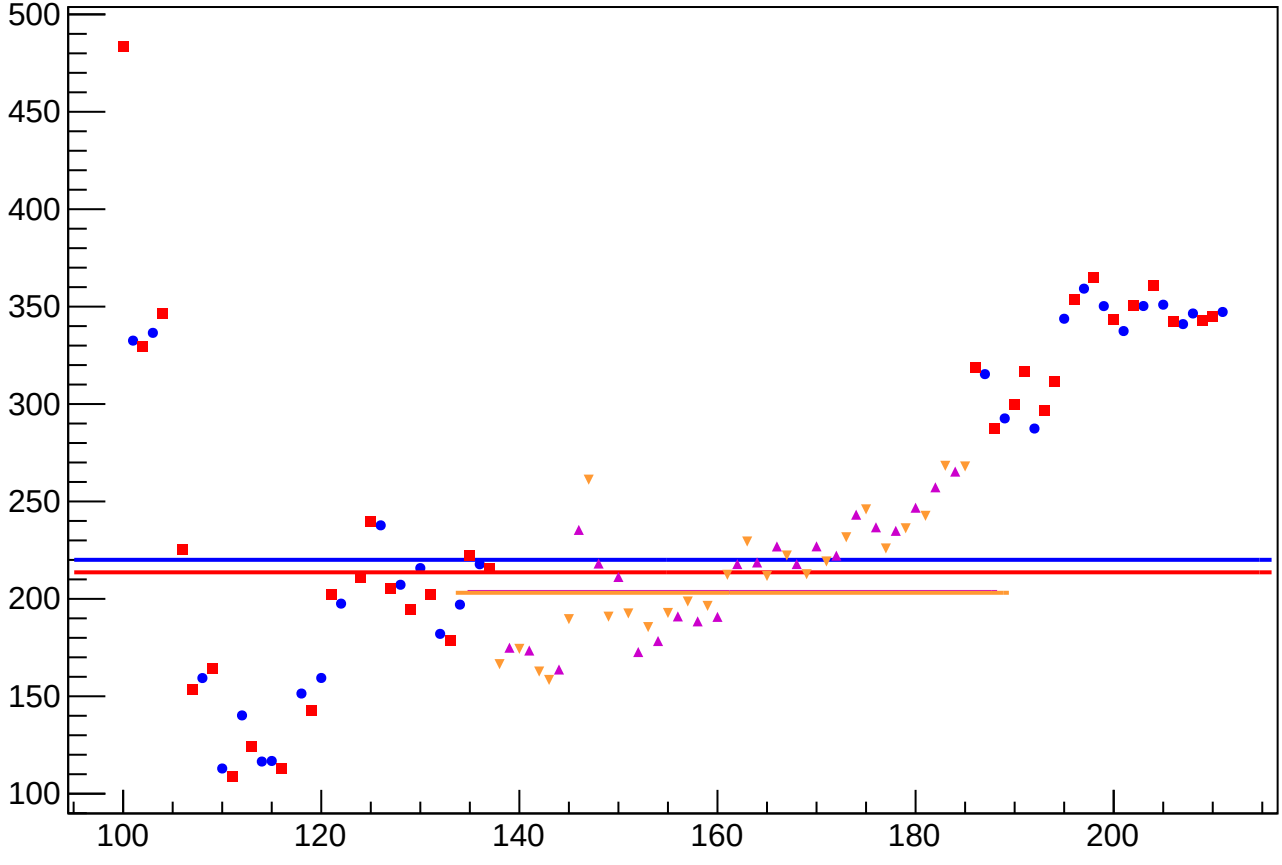
Left In: 129437.551+/-0.048 χ^2/NDF:269025464.3/22

+ sign 132061.543+/-0.037 χ^2/NDF: 14464932341.

All: 132248.908+/-0.026 χ^2/NDF: 30508601

- sign 132433.139+/-0.036 χ^2/NDF: 15992046007.5

yield_bpm0l04WS_rms vs Slug



Right In: 220.042+/-0.042 χ^2/NDF: 4322657.1/27

Left Out: 203.129+/-0.033 χ^2/NDF:758448.5/24

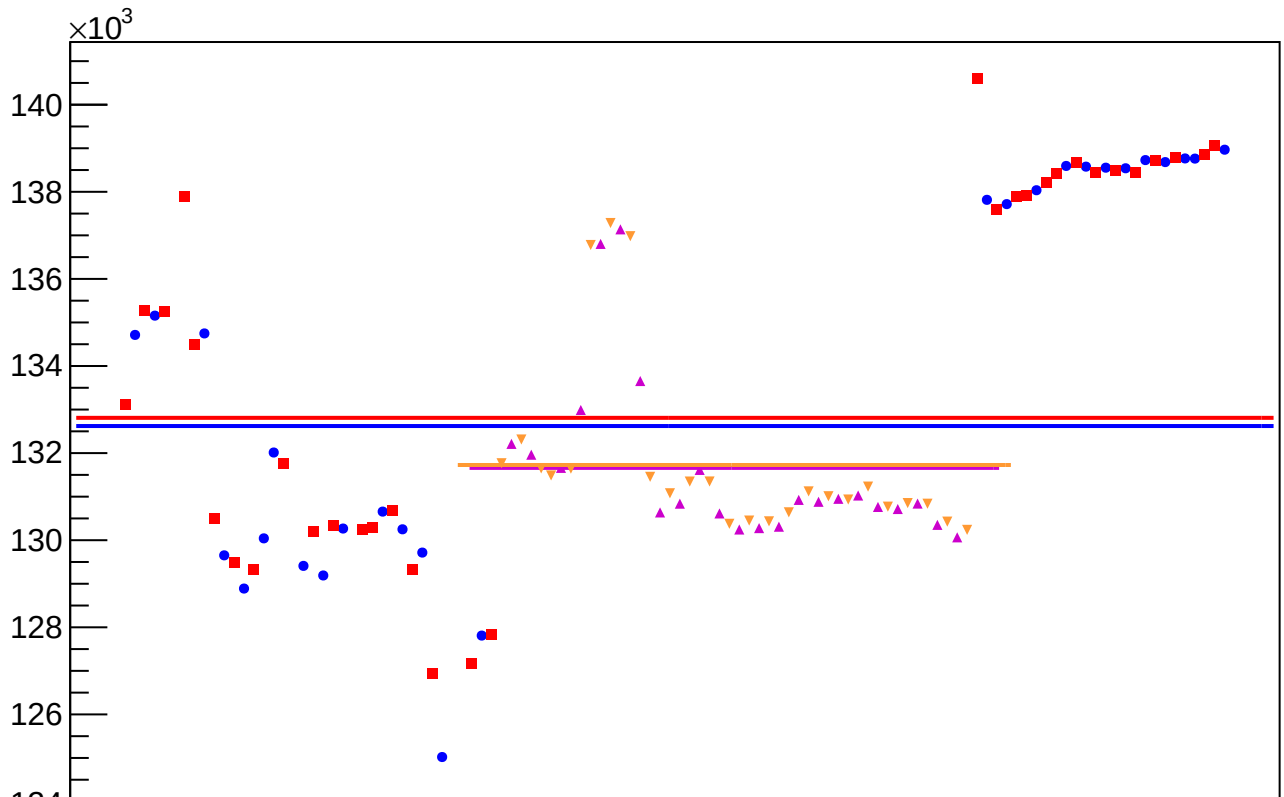
Right Out: 213.624+/-0.039 χ^2/NDF: 5206147.3/32

Left In: 203.546+/-0.034 χ^2/NDF:666043.6/22

+ sign 209.715+/-0.026 χ^2/NDF: 5181965.2/52

All: 208.813+/-0.018 χ^2/NDF: 11094185.0/10

- sign 207.926+/-0.026 χ^2/NDF: 5909828.4/55



Right In: 132621.663+/-0.053 χ^2/NDF: 8643844385.6/27

Left Out: 131727.086+/-0.047 χ^2/NDF:1425045697.6/24

Right Out: 132809.851+/-0.050 χ^2/NDF: 9046749632.7/32

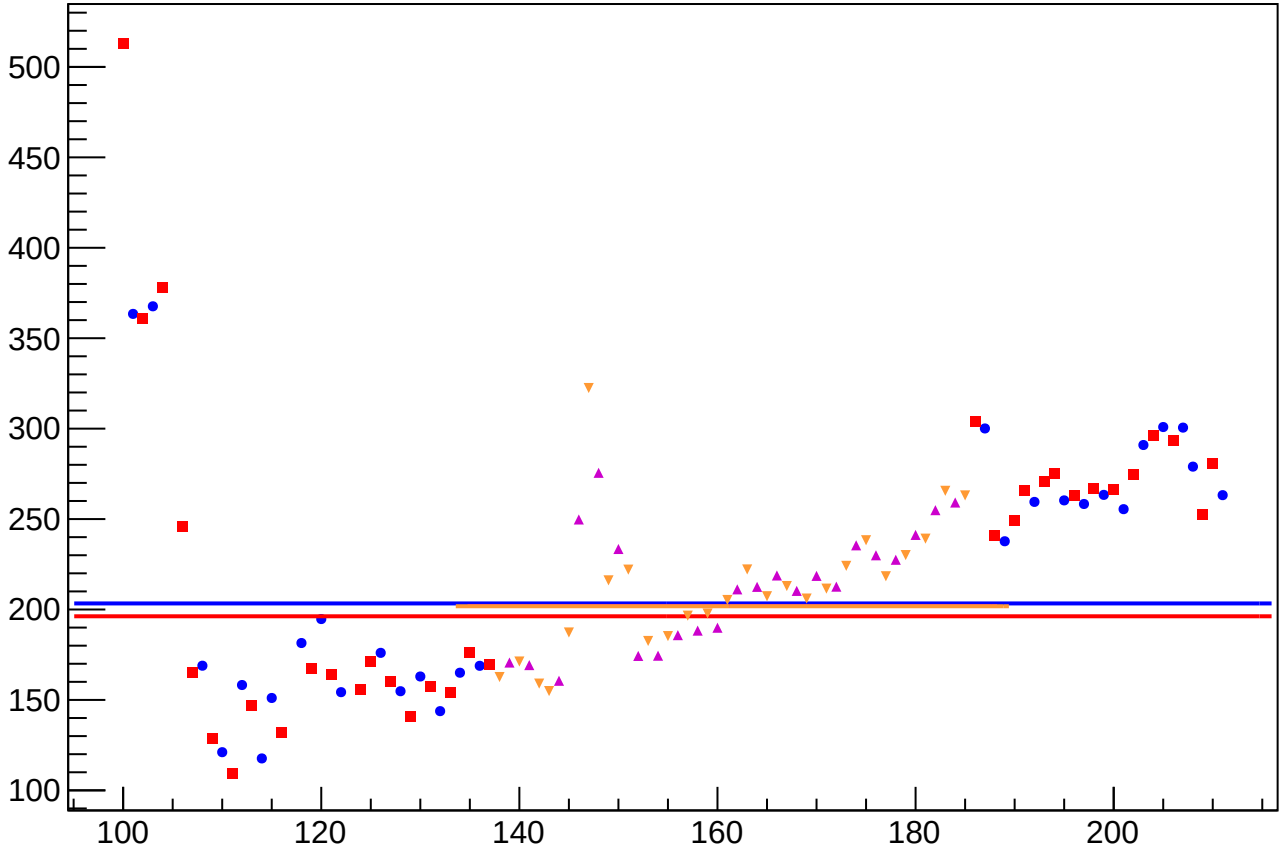
Left In: 131660.490+/-0.048 χ^2/NDF:1164380319.7/22

+ sign 132119.730+/-0.035 χ^2/NDF: 10228950783.

All: 132170.412+/-0.025 χ^2/NDF: 20721004

- sign 132219.484+/-0.035 χ^2/NDF: 10487947980.1

yield_bpm0l05WS_rms vs Slug



Right In: 203.354+/-0.037 χ^2/NDF: 2765416.9/27

Left Out: 201.798+/-0.033 χ^2/NDF:905352.1/24

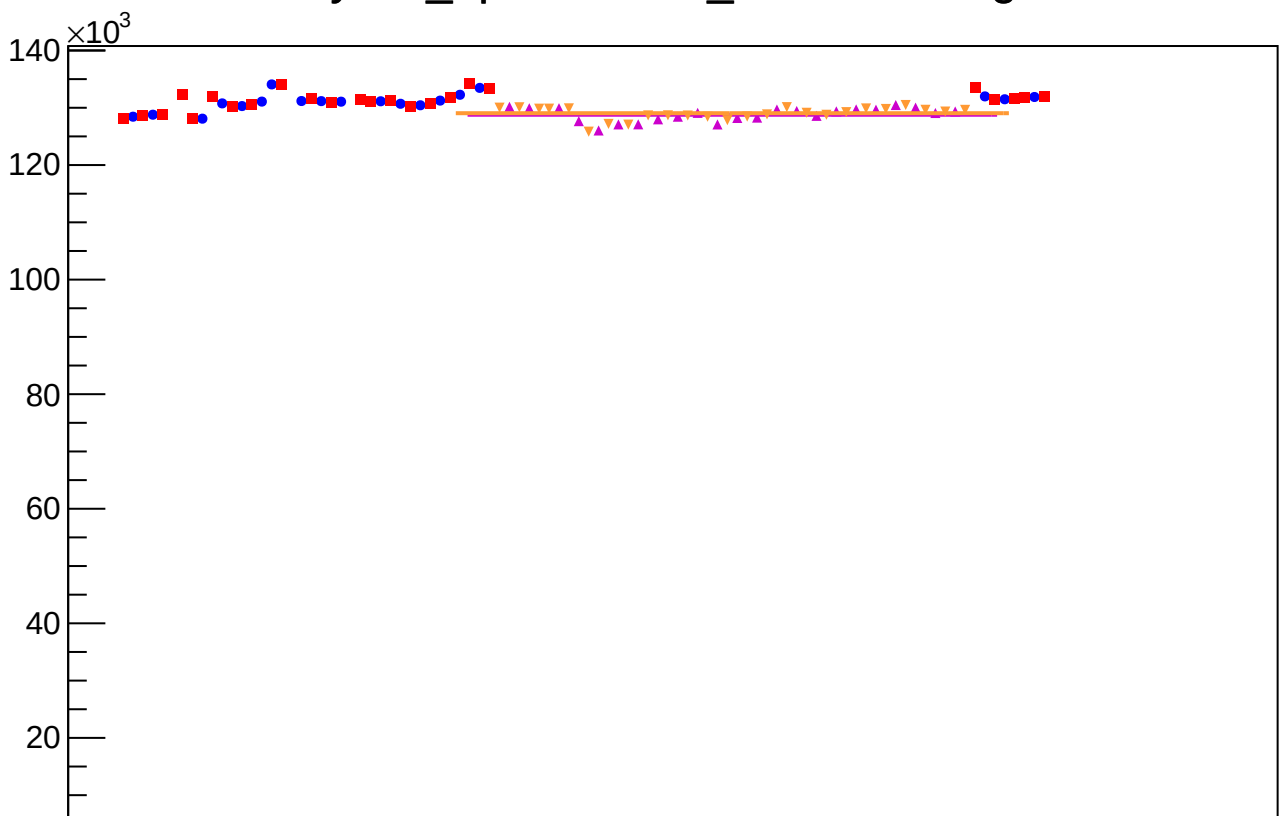
Right Out: 196.246+/-0.035 χ^2/NDF: 3639198.9/32

Left In: 201.947+/-0.034 χ^2/NDF:802700.2/22

+ sign 202.481+/-0.025 χ^2/NDF: 3671737.4/52

All: 200.801+/-0.017 χ^2/NDF: 8136277.7/108

- sign 199.174+/-0.024 χ^2/NDF: 4455518.0/55



Right In: 3391.687+/-0.005 χ^2/NDF: 4996039974599.6/27

Left Out: 129050.458+/-0.045 χ^2/NDF:530879250.1/24

Right Out: 3838.807+/-0.005 χ^2/NDF: 5902263162075.9/32

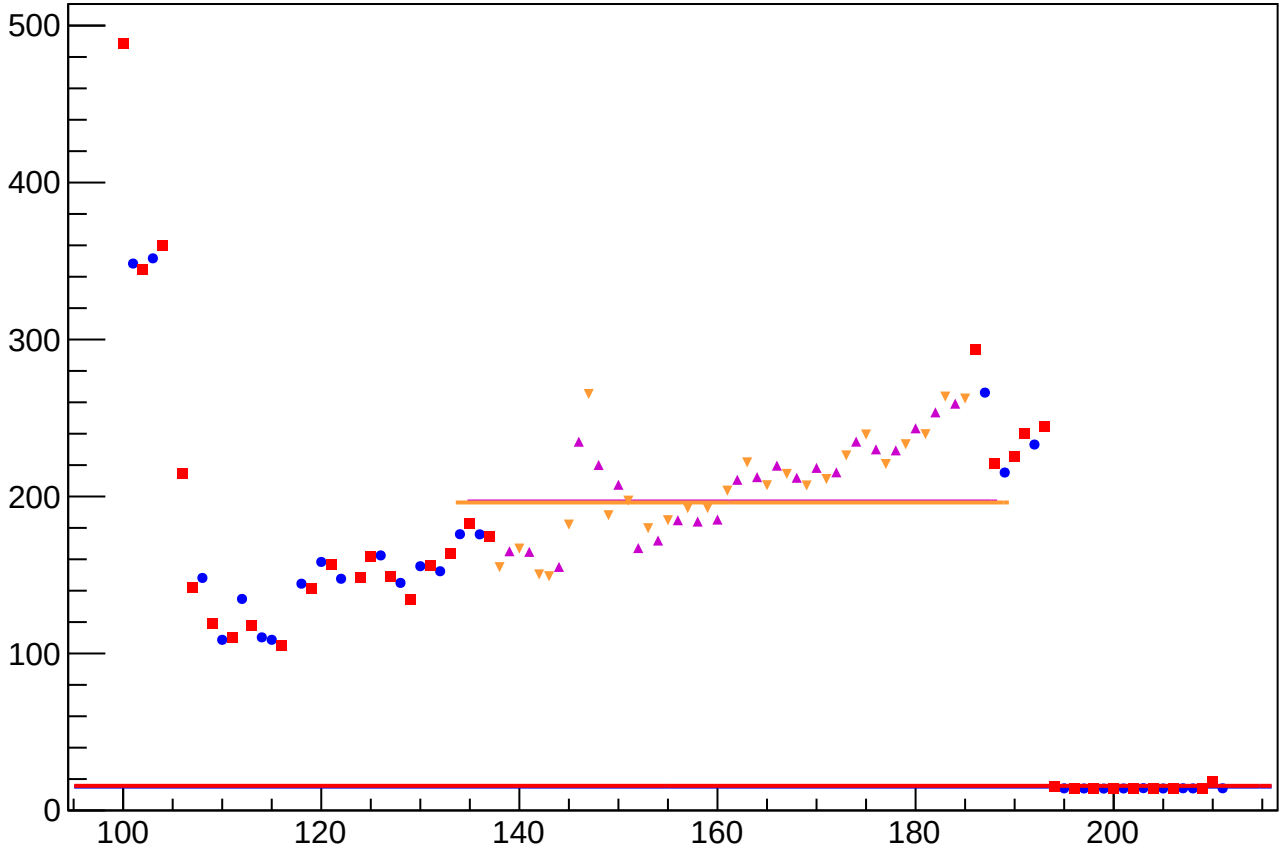
Left In: 128783.852+/-0.047 χ^2/NDF:655675405.6/22

+ sign 4925.191+/-0.005 χ^2/NDF: 1253352684588

All: 5193.973+/-0.004 χ^2/NDF: 2544613579

- sign 5506.365+/-0.005 χ^2/NDF: 12906423708611

yield_bpm0l06WS_rms vs Slug



Right In: 15.200+/-0.004 χ^2/NDF: 14431352.8/27

Left Out: 196.203+/-0.032 χ^2/NDF:922826.1/24

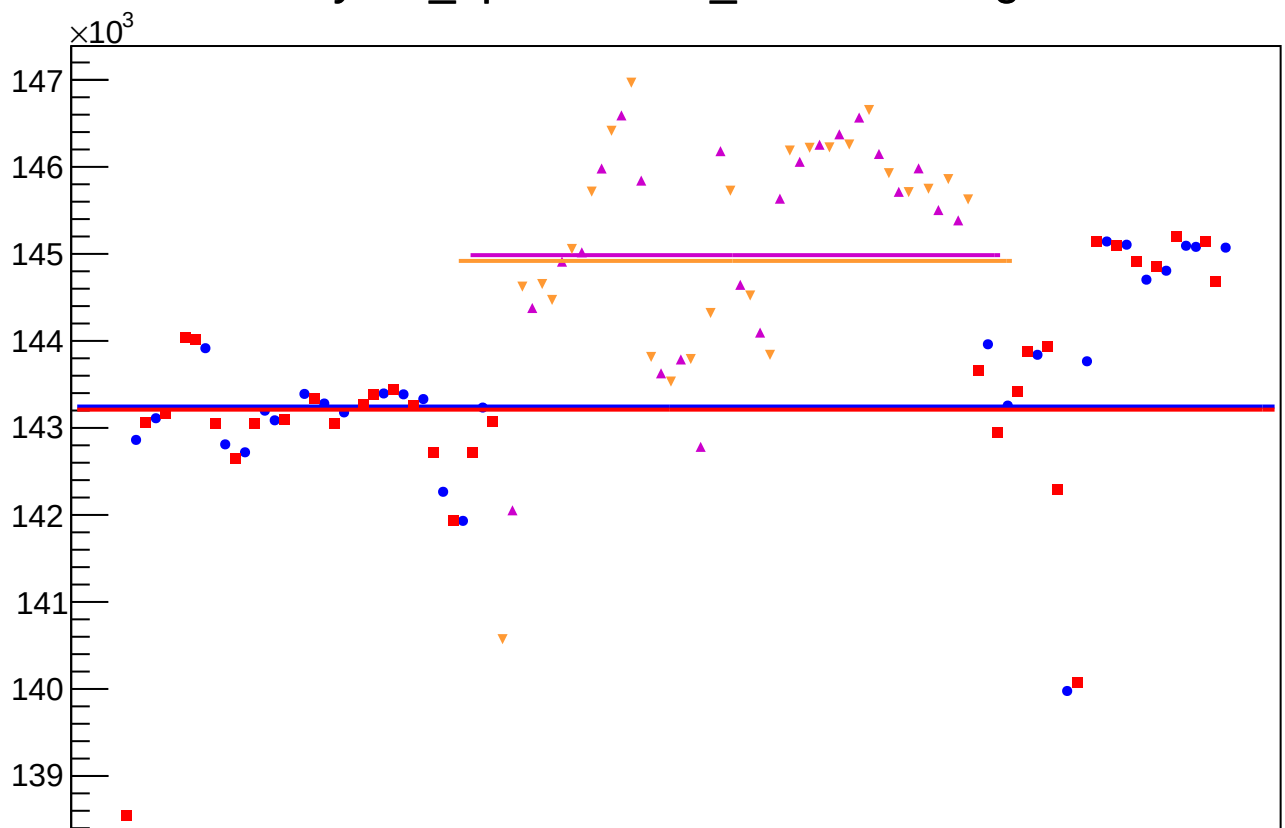
Right Out: 15.687+/-0.004 χ^2/NDF: 16516651.3/32

Left In: 196.840+/-0.033 χ^2/NDF:773052.6/22

+ sign 17.409+/-0.004 χ^2/NDF: 46630191.8/52

All: 17.731+/-0.003 χ^2/NDF: 93381783.3/108

- sign 18.105+/-0.004 χ^2/NDF: 46733870.6/55



Right In: 143245.929+/-0.057 χ^2/NDF: 258216690.0/27

Left Out: 144919.479+/-0.052 χ^2/NDF:835478710.7/24

Right Out: 143209.989+/-0.053 χ^2/NDF: 264582640.1/32

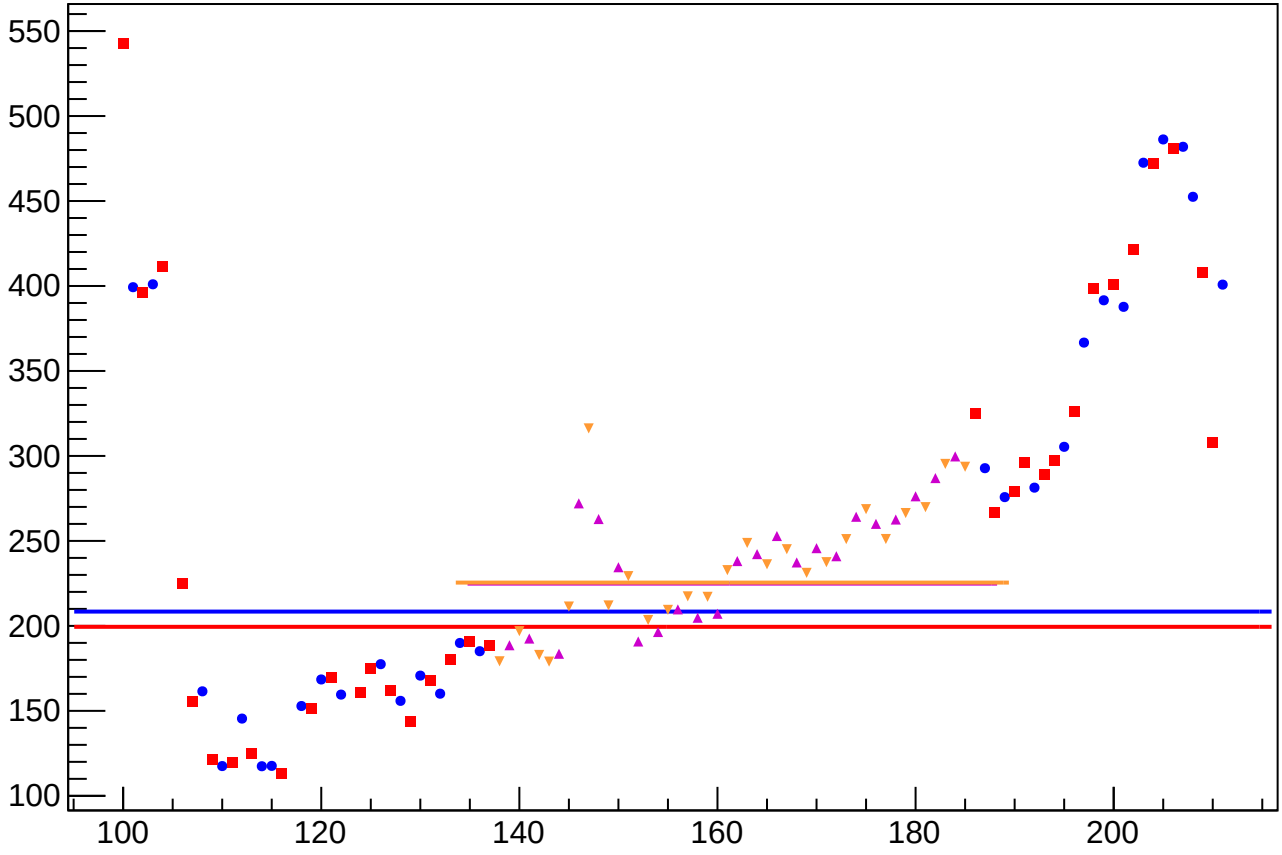
Left In: 144985.586+/-0.054 χ^2/NDF:618782558.7/22

+ sign 144160.441+/-0.039 χ^2/NDF: 1559339280.8

All: 144120.896+/-0.027 χ^2/NDF: 30028330

- sign 144083.442+/-0.038 χ^2/NDF: 1441451255.1/

yield_bpm0l07WS_rms vs Slug



Right In: 208.416+/-0.041 χ^2/NDF: 6013582.3/27

Left Out: 225.478+/-0.037 χ^2/NDF:775365.4/24

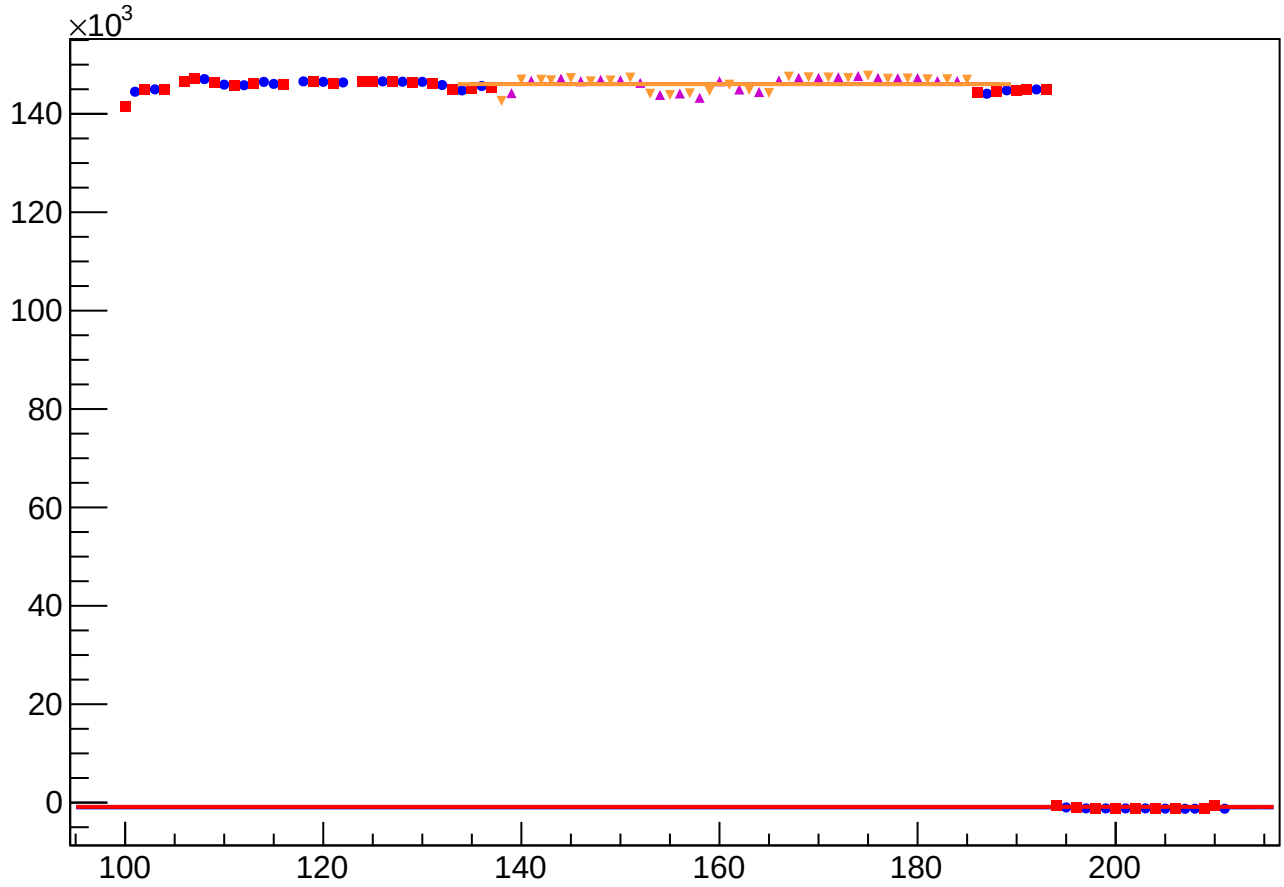
Right Out: 199.451+/-0.037 χ^2/NDF: 6627320.8/32

Left In: 224.869+/-0.038 χ^2/NDF:723816.1/22

+ sign 217.740+/-0.027 χ^2/NDF: 6885746.4/52

All: 214.769+/-0.019 χ^2/NDF: 14488674.7/10

- sign 211.954+/-0.027 χ^2/NDF: 7579864.5/55



Right In: -966.045+/-0.003 χ^2/NDF: 5376573617910.9/27

Left Out: 146042.636+/-0.052 χ^2/NDF:882705044.1/24

Right Out: -862.715+/-0.003 χ^2/NDF: 6464870210614.4/32

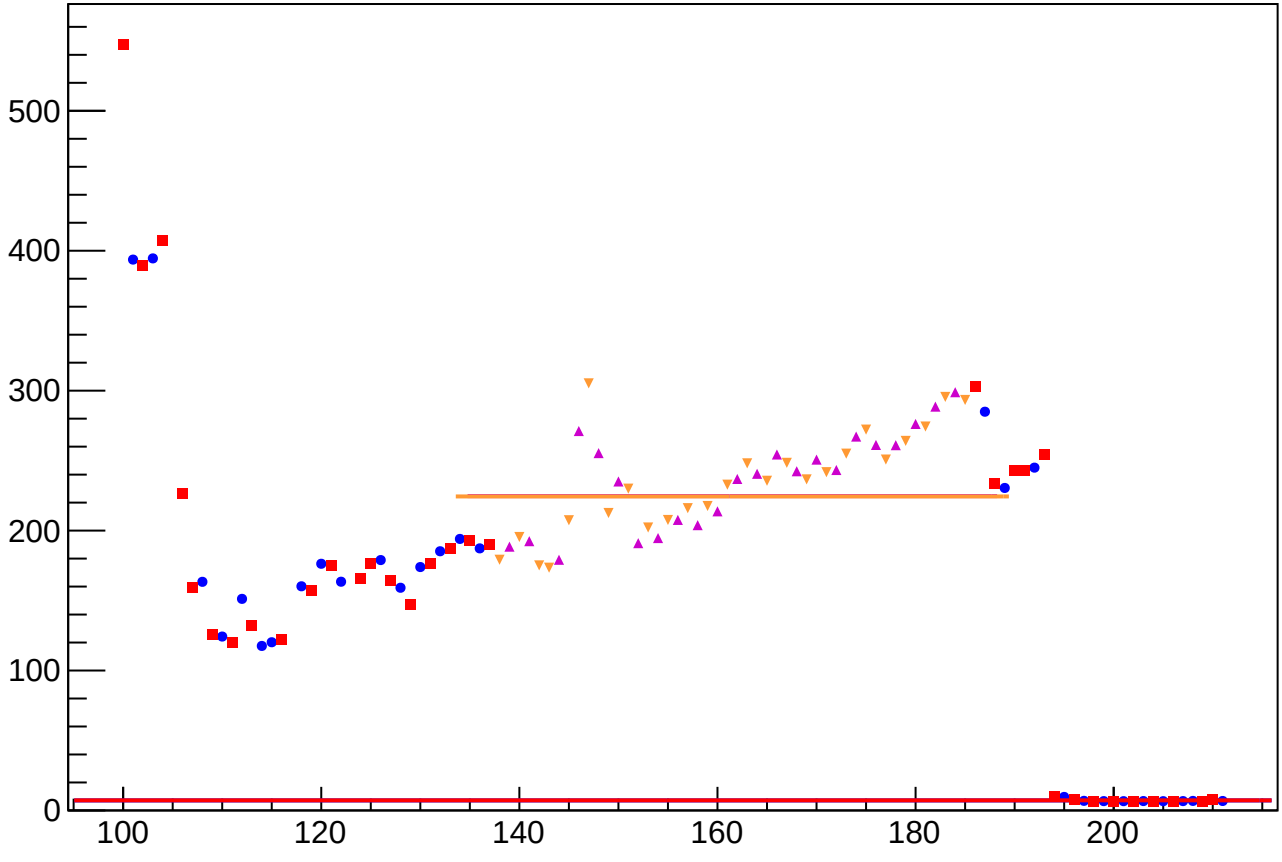
Left In: 146056.687+/-0.054 χ^2/NDF:698743124.4/22

+ sign -626.193+/-0.003 χ^2/NDF: 13348365555803

All: -564.864+/-0.002 χ^2/NDF: 2732036423

- sign -494.314+/-0.003 χ^2/NDF: 13970705315657.

yield_bpm0l08WS_rms vs Slug



Right In: 7.164+/-0.002 χ^2/NDF: 16119766.2/27

Left Out: 224.409+/-0.037 χ^2/NDF:849100.4/24

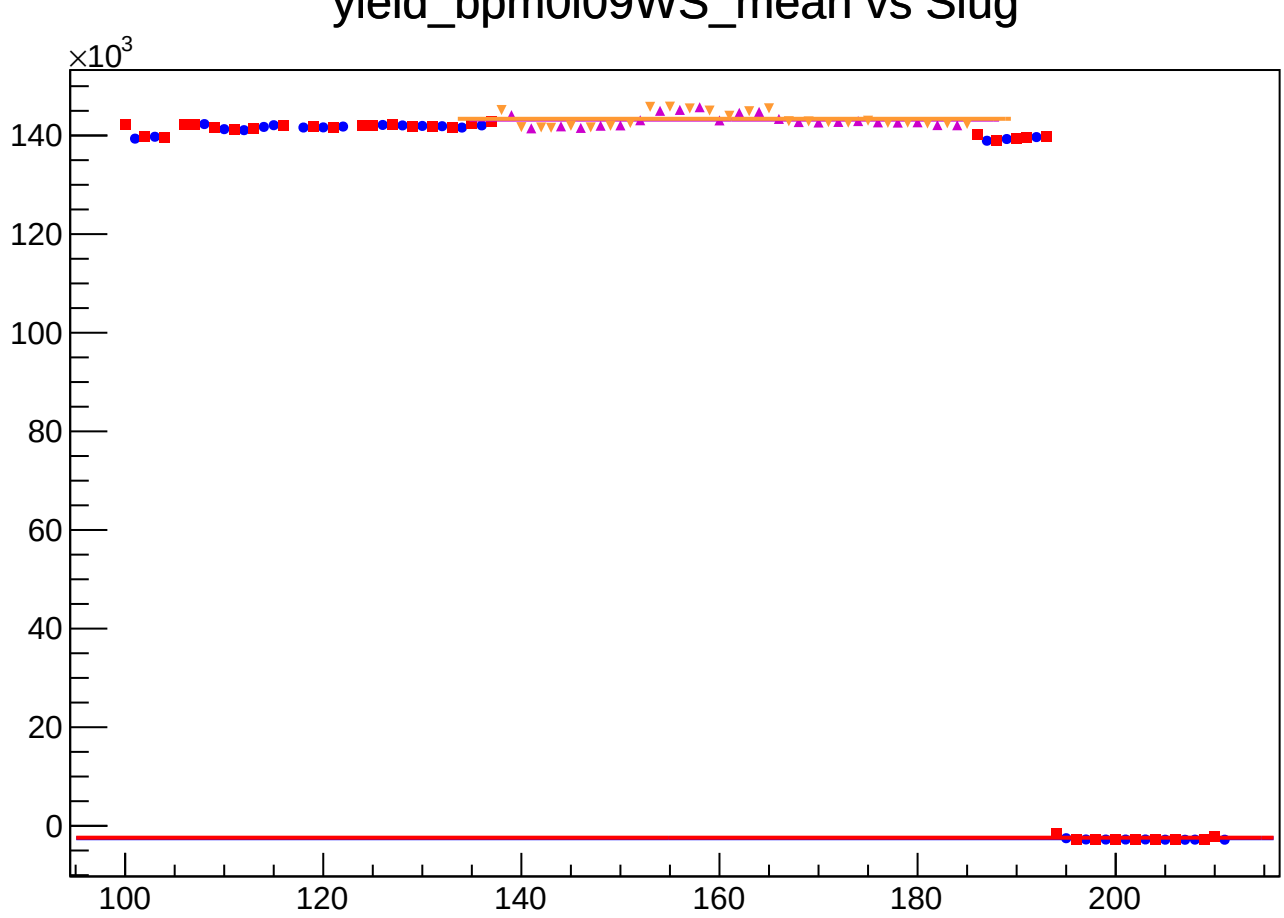
Right Out: 7.228+/-0.002 χ^2/NDF: 18432683.6/32

Left In: 224.655+/-0.038 χ^2/NDF:756996.8/22

+ sign 7.666+/-0.002 χ^2/NDF: 51782846.7/52

All: 7.716+/-0.001 χ^2/NDF: 103848541.7/108

- sign 7.773+/-0.002 χ^2/NDF: 52063996.8/55



Right In: -2510.512+/-0.003 χ^2/NDF: 4964641732847.7/27

Left Out: 143386.915+/-0.054 χ^2/NDF:784001363.1/24

Right Out: -2401.916+/-0.003 χ^2/NDF: 5833067743075.9/32

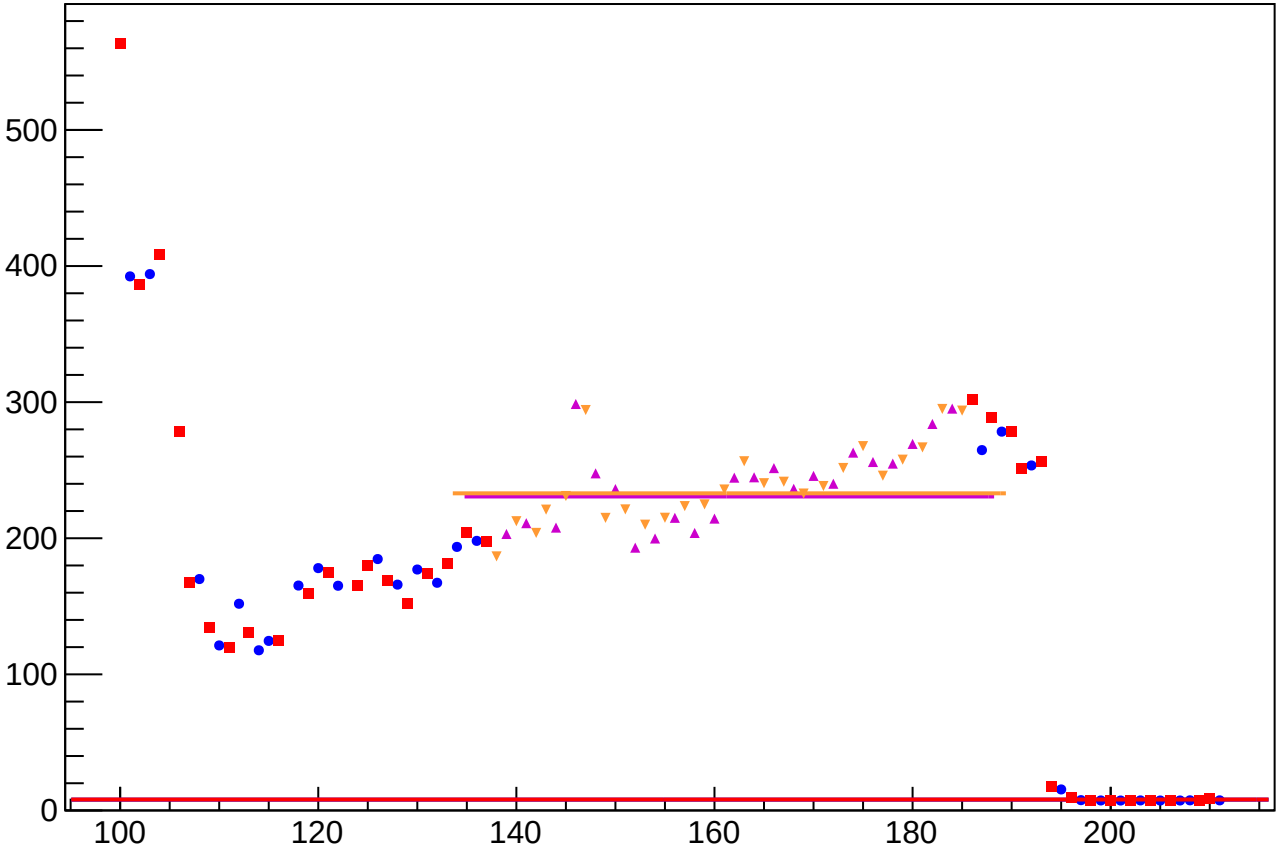
Left In: 143221.802+/-0.055 χ^2/NDF:540234973.1/22

+ sign -2115.591+/-0.003 χ^2/NDF: 1233137156943

All: -2046.471+/-0.002 χ^2/NDF: 2519917916

- sign -1966.899+/-0.003 χ^2/NDF: 1286649012986

yield_bpm0l09WS_rms vs Slug



Right In: 7.939+/-0.002 χ^2/NDF: 16288526.3/27

Left Out: 233.007+/-0.038 χ^2/NDF:446120.9/24

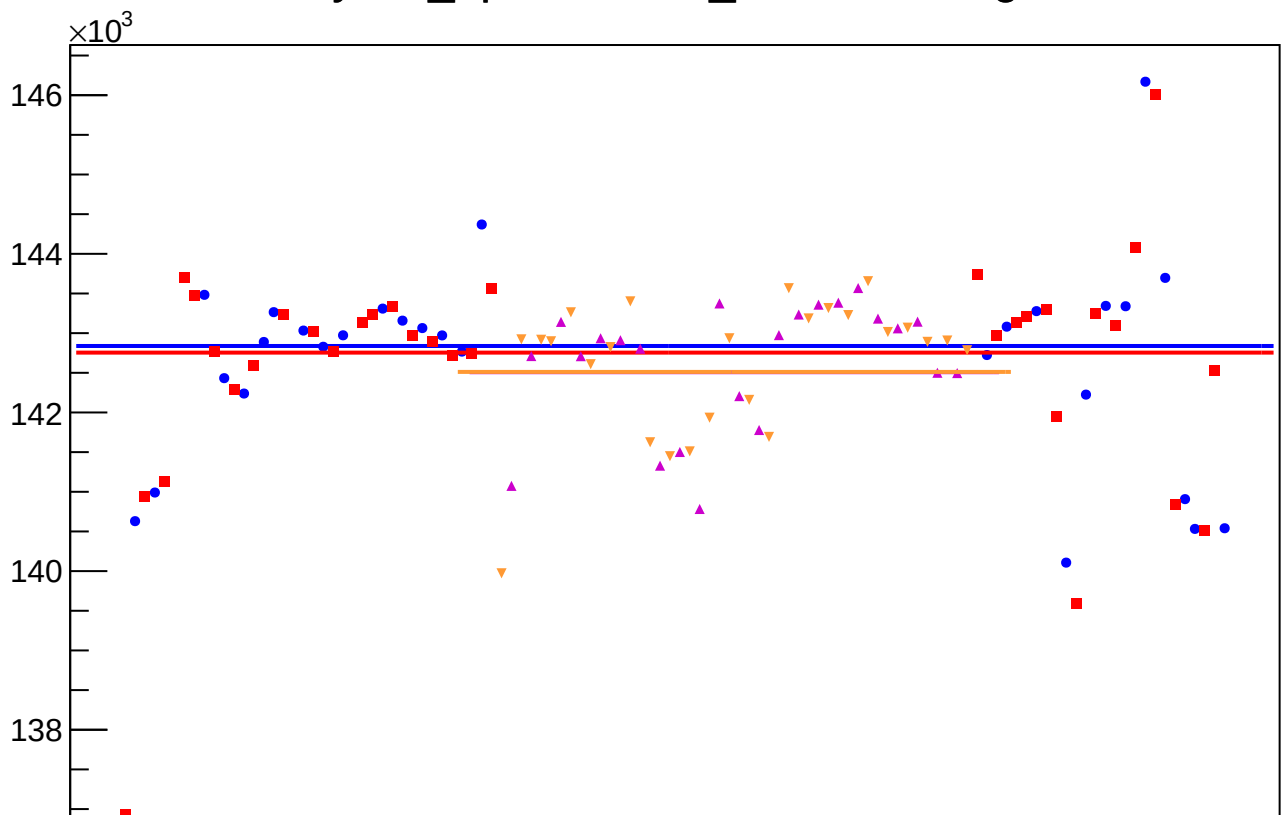
Right Out: 8.028+/-0.002 χ^2/NDF: 18479147.3/32

Left In: 230.693+/-0.039 χ^2/NDF:512017.9/22

+ sign 8.548+/-0.002 χ^2/NDF: 51792891.8/52

All: 8.616+/-0.001 χ^2/NDF: 103671821.1/108

- sign 8.694+/-0.002 χ^2/NDF: 51876414.5/55



Right In: 142838.219+/-0.060 χ^2/NDF: 295159123.1/27

Left Out: 142511.381+/-0.051 χ^2/NDF:338087157.2/24

Right Out: 142754.626+/-0.055 χ^2/NDF: 238194268.4/32

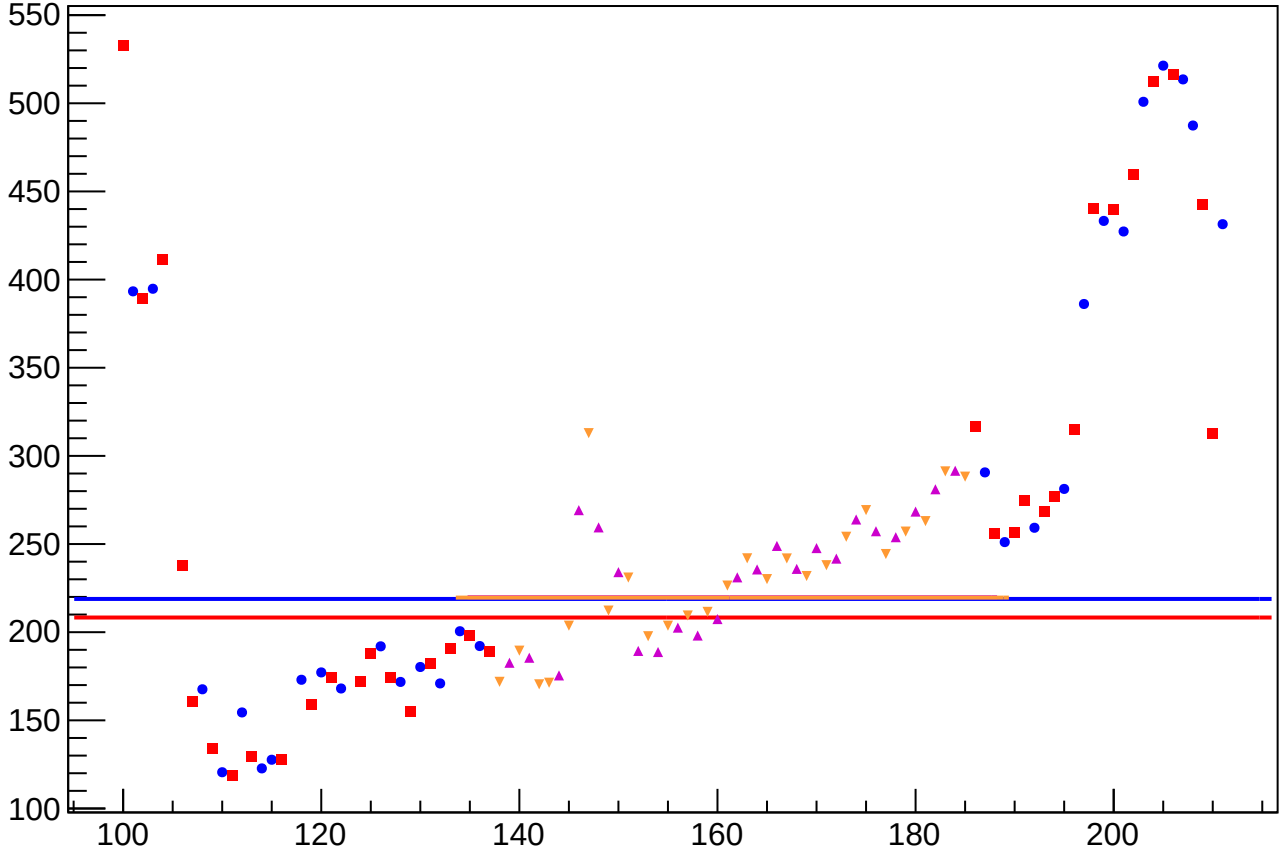
Left In: 142507.563+/-0.052 χ^2/NDF:269272097.4/22

+ sign 142648.076+/-0.039 χ^2/NDF: 650490784.6/5

All: 142636.555+/-0.027 χ^2/NDF: 11687490

- sign 142625.593+/-0.038 χ^2/NDF: 518086364.9/5

yield_bpm0l10WS_rms vs Slug



Right In: 218.859+/-0.042 χ^2/NDF: 5770226.5/27

Left Out: 219.618+/-0.036 χ^2/NDF:902026.4/24

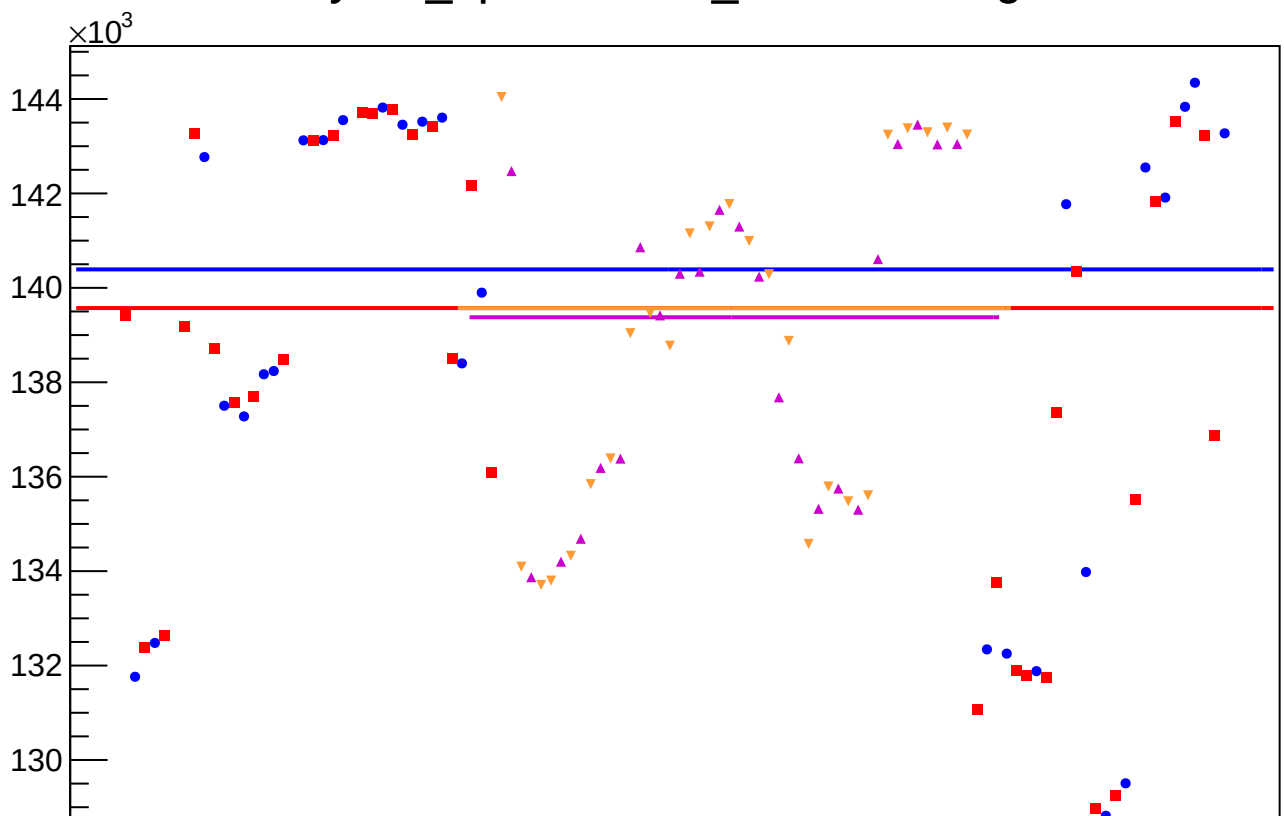
Right Out: 208.320+/-0.039 χ^2/NDF: 6277223.4/32

Left In: 219.813+/-0.037 χ^2/NDF:805501.8/22

+ sign 219.300+/-0.027 χ^2/NDF: 6672439.0/52

All: 216.750+/-0.019 χ^2/NDF: 13817974.5/10

- sign 214.323+/-0.027 χ^2/NDF: 7128687.5/55



Right In: 140390.843+/-0.085 χ^2/NDF: 2657698961.0/27

Left Out: 139568.750+/-0.070 χ^2/NDF:2586638805.4/24

Right Out: 139572.041+/-0.083 χ^2/NDF: 2821514106.3/32

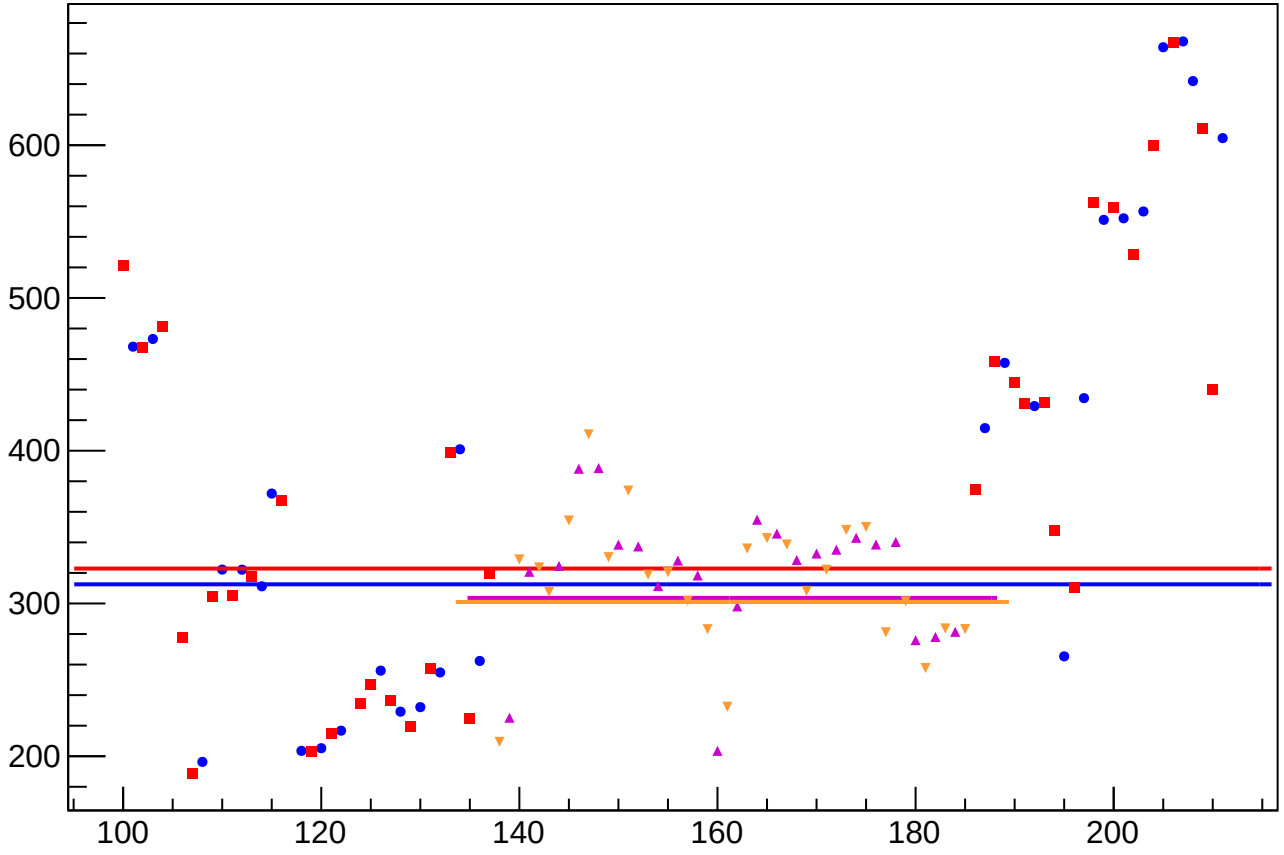
Left In: 139377.582+/-0.073 χ^2/NDF:1921434868.2/22

+ sign 139902.928+/-0.054 χ^2/NDF: 5300362984.9

All: 139685.841+/-0.038 χ^2/NDF: 10079257

- sign 139462.771+/-0.055 χ^2/NDF: 4746061709.9/

yield_bpm0r03WS_rms vs Slug



Right In: 312.540+/-0.060 χ^2/NDF: 4797005.7/27

Left Out: 300.964+/-0.050 χ^2/NDF:876889.9/24

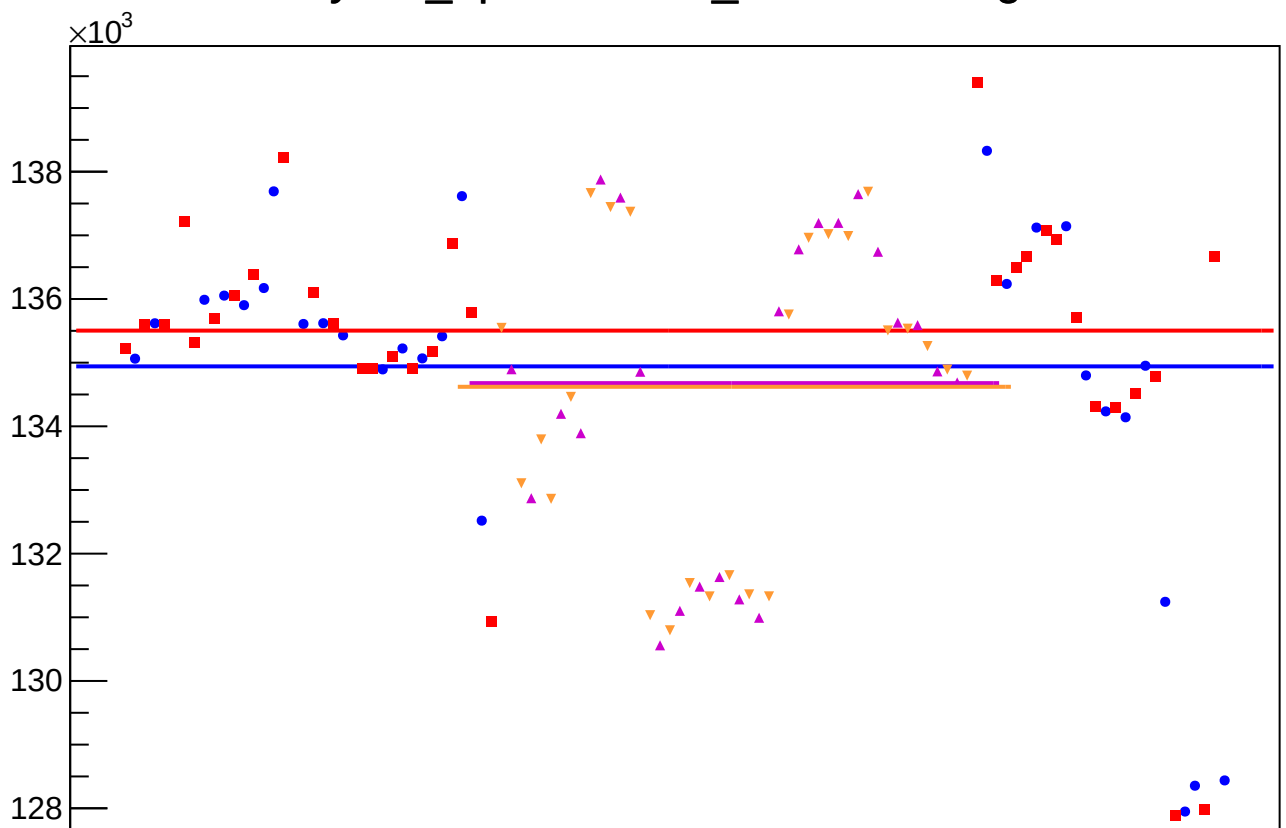
Right Out: 322.870+/-0.058 χ^2/NDF: 4392241.0/32

Left In: 303.658+/-0.052 χ^2/NDF:976252.9/22

+ sign 305.670+/-0.038 χ^2/NDF: 5696112.2/52

All: 308.829+/-0.027 χ^2/NDF: 11139272.5/10

- sign 312.075+/-0.039 χ^2/NDF: 5429255.8/55



Right In: 134941.609+/-0.079 χ^2/NDF: 835744110.9/27

Left Out: 134620.993+/-0.064 χ^2/NDF:1201492843.7/24

Right Out: 135503.560+/-0.072 χ^2/NDF: 766541661.3/32

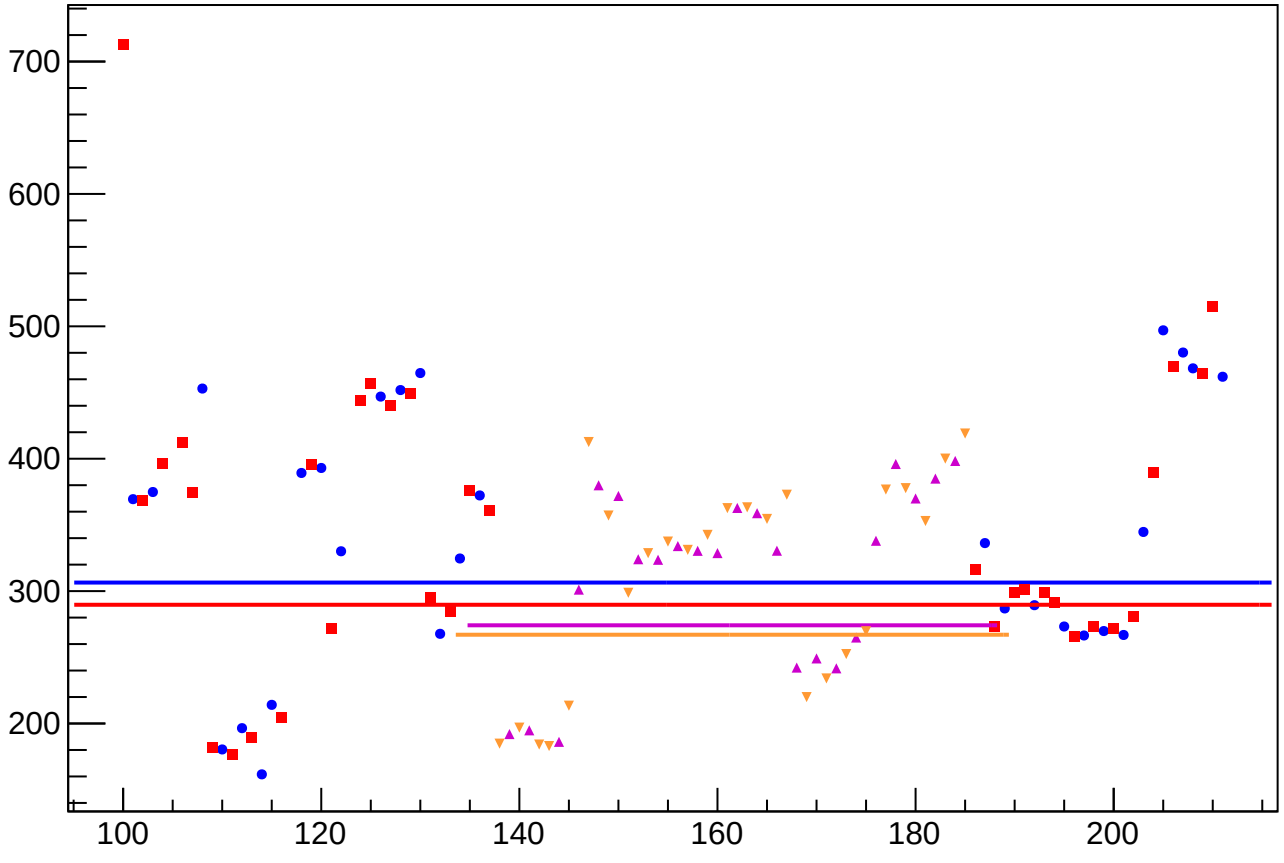
Left In: 134678.497+/-0.067 χ^2/NDF:1096295429.9/22

+ sign 134747.182+/-0.050 χ^2/NDF: 2047196683.1

All: 134906.200+/-0.035 χ^2/NDF: 40008409

- sign 135061.115+/-0.049 χ^2/NDF: 1933378951.7/

yield_bpm0r05WS_rms vs Slug



Right In: 306.458+/-0.056 χ^2/NDF: 2494989.4/27

Left Out: 267.053+/-0.045 χ^2/NDF:2843307.1/24

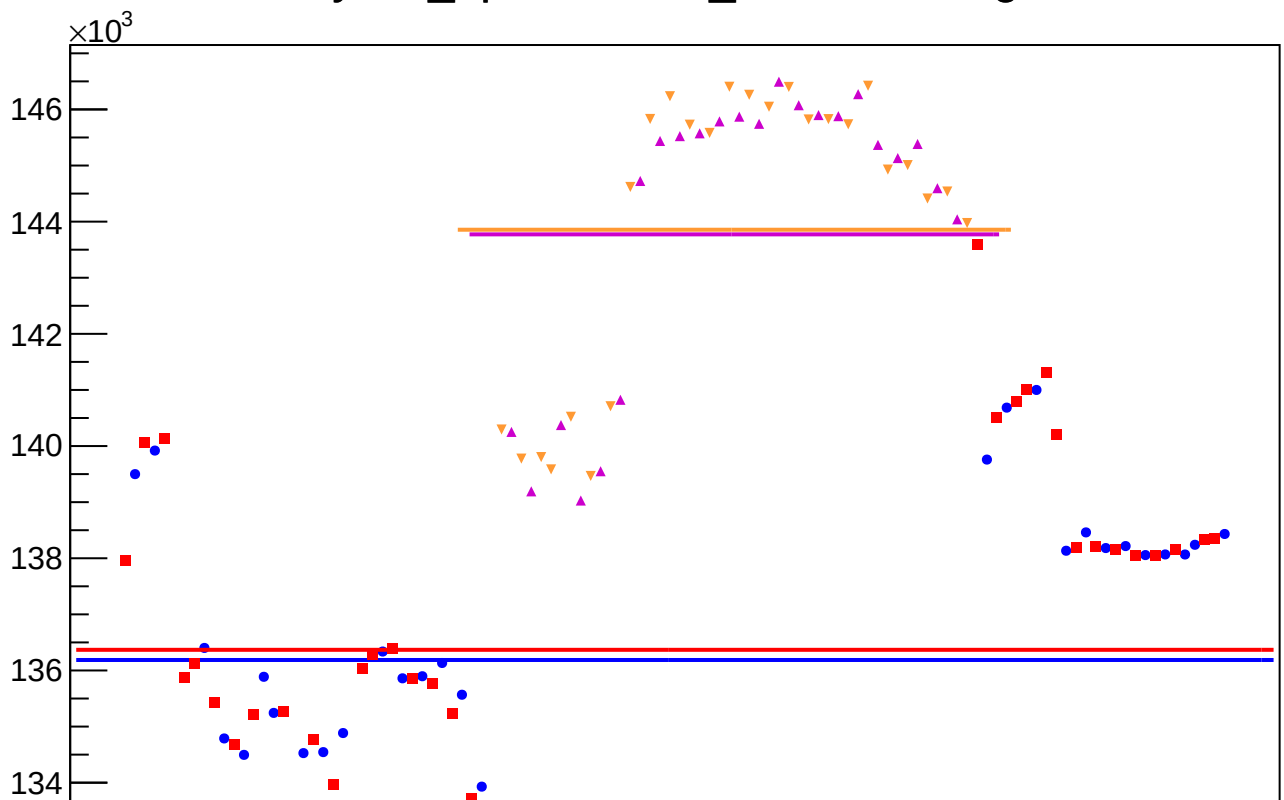
Right Out: 289.682+/-0.051 χ^2/NDF: 2760796.2/32

Left In: 274.177+/-0.047 χ^2/NDF:2236755.2/22

+ sign 282.562+/-0.035 χ^2/NDF: 5639177.6/52

All: 281.957+/-0.025 χ^2/NDF: 10687141.0/10

- sign 281.368+/-0.035 χ^2/NDF: 5047376.5/55



Right In: 136186.854+/-0.047 χ^2/NDF: 1605761979.9/27

Left Out: 143855.894+/-0.048 χ^2/NDF:3130204188.4/24

Right Out: 136368.128+/-0.044 χ^2/NDF: 2263636720.8/32

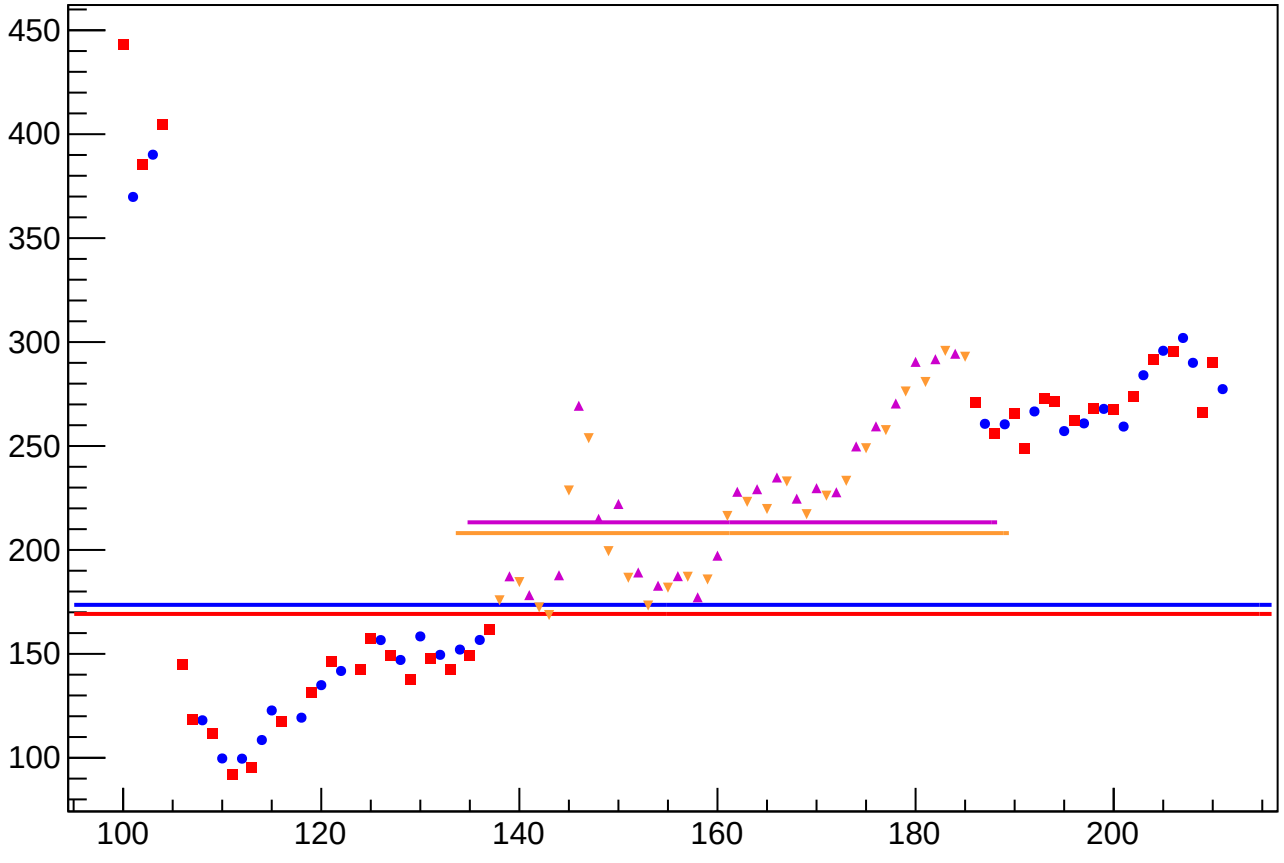
Left In: 143773.112+/-0.051 χ^2/NDF:2803362782.2/22

+ sign 139888.273+/-0.034 χ^2/NDF: 17760458570.

All: 139712.286+/-0.024 χ^2/NDF: 34974040

- sign 139538.992+/-0.033 χ^2/NDF: 17159066381.

yield_bpm0i02WS_rms vs Slug



Right In: 173.587+/-0.033 χ^2/NDF: 4853733.9/27

Left Out: 208.100+/-0.034 χ^2/NDF:993011.6/24

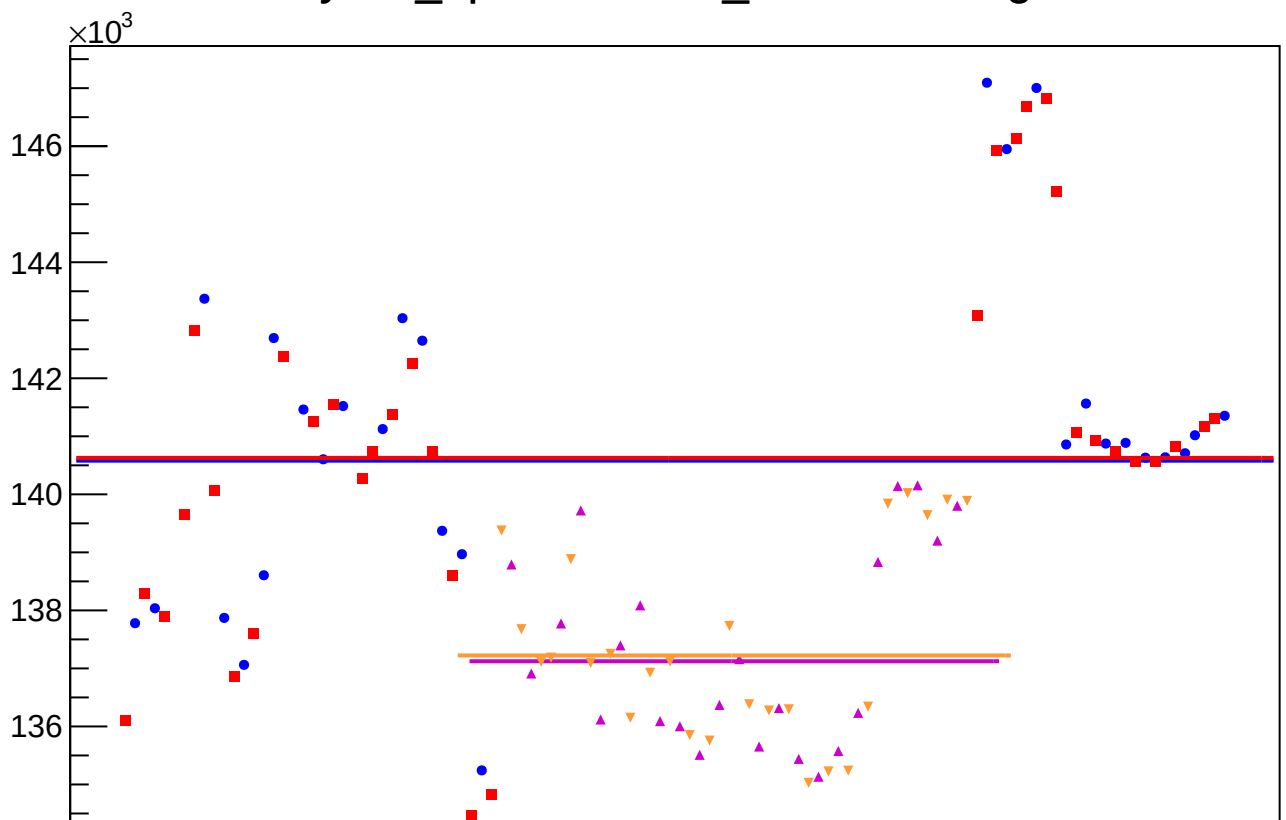
Right Out: 169.217+/-0.031 χ^2/NDF: 5697190.4/32

Left In: 213.288+/-0.036 χ^2/NDF:865525.4/22

+ sign 190.245+/-0.024 χ^2/NDF: 6374312.4/52

All: 189.158+/-0.017 χ^2/NDF: 13797809.4/10

- sign 188.088+/-0.024 χ^2/NDF: 7419340.4/55



Right In: 140580.913+/-0.052 χ^2/NDF: 2815170759.6/27

Left Out: 137223.651+/-0.049 χ^2/NDF:894565924.0/24

Right Out: 140627.843+/-0.049 χ^2/NDF: 3246700611.4/32

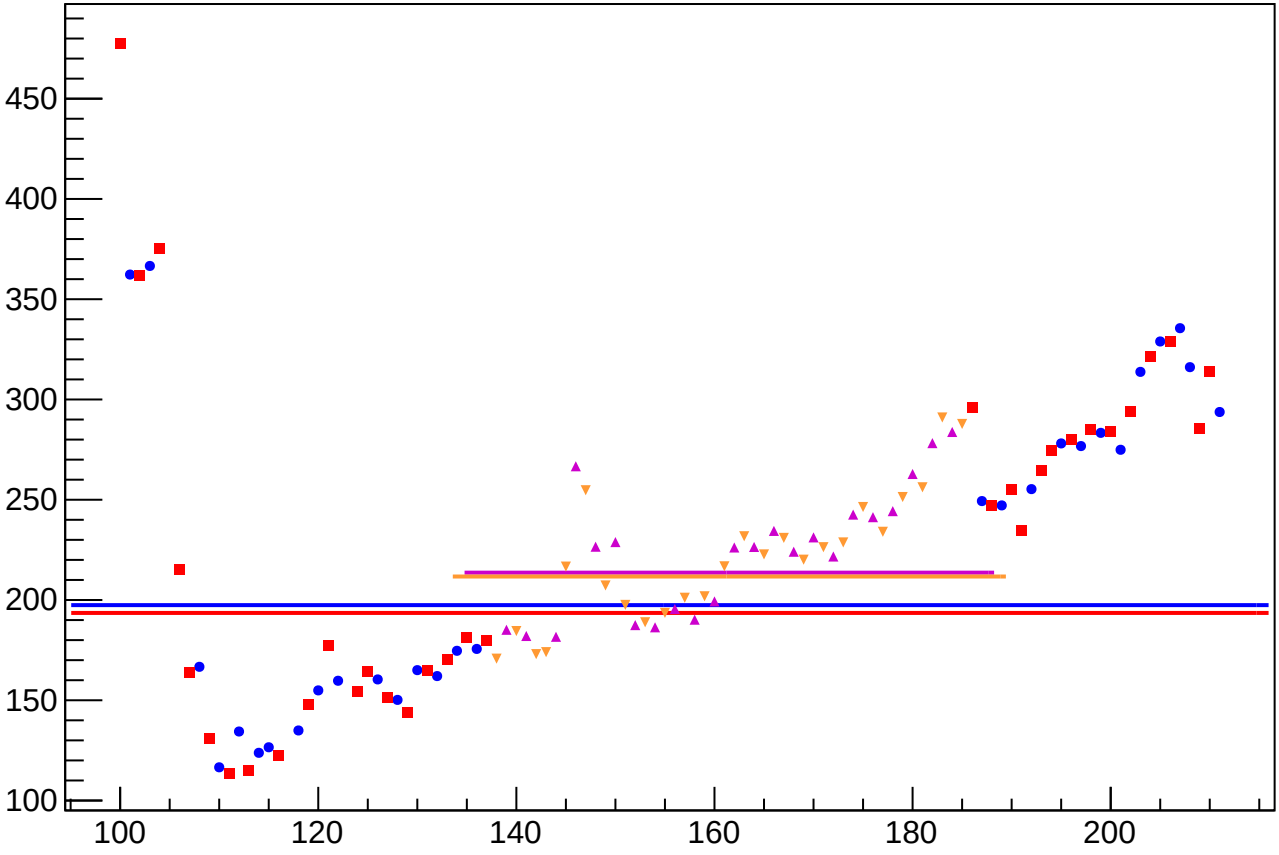
Left In: 137123.557+/-0.051 χ^2/NDF:860635149.0/22

+ sign 138799.917+/-0.036 χ^2/NDF: 5909566904.4

All: 138865.146+/-0.025 χ^2/NDF: 12465332

- sign 138929.350+/-0.035 χ^2/NDF: 6549149716.1/

yield_bpm0i02aWS_rms vs Slug



Right In: 197.447+/-0.037 χ^2/NDF: 3767648.7/27

Left Out: 211.714+/-0.035 χ^2/NDF:675587.4/24

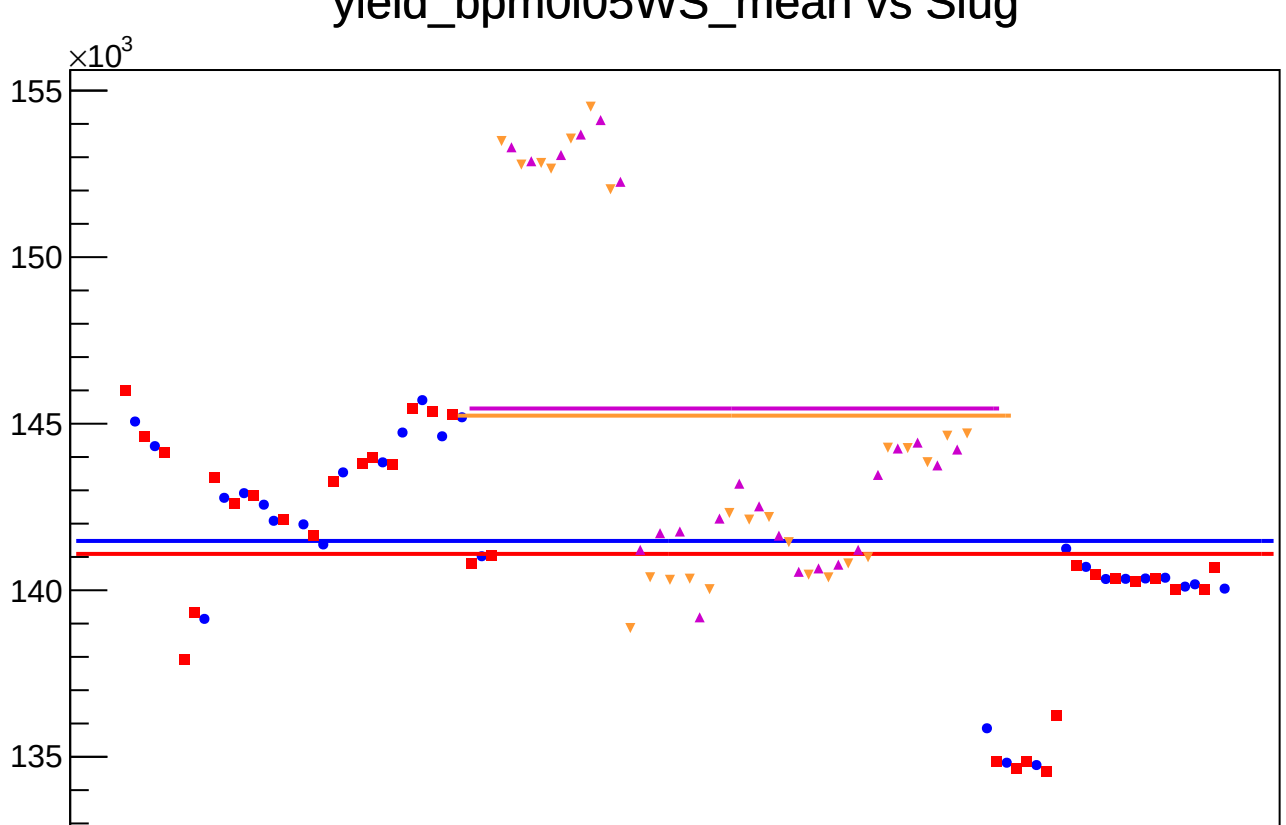
Right Out: 193.551+/-0.035 χ^2/NDF: 4426251.8/32

Left In: 213.641+/-0.036 χ^2/NDF:621332.1/22

+ sign 205.015+/-0.025 χ^2/NDF: 4522686.3/52

All: 204.145+/-0.018 χ^2/NDF: 9733130.2/108

- sign 203.288+/-0.025 χ^2/NDF: 5208087.9/55



Right In: 141480.682+/-0.052 χ^2/NDF: 2824274059.6/27

Left Out: 145242.337+/-0.050 χ^2/NDF:13032998081.1/24

Right Out: 141091.578+/-0.049 χ^2/NDF: 4425370698.8/32

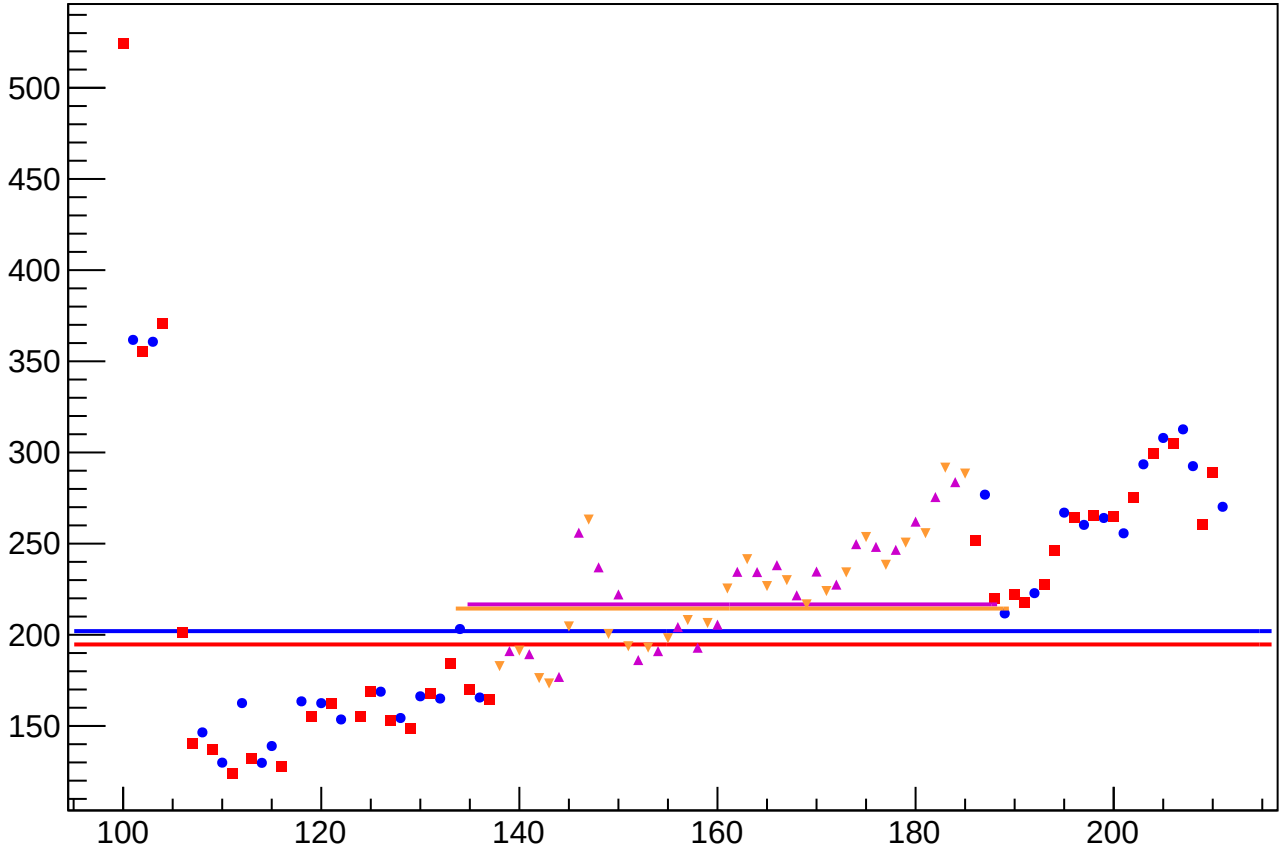
Left In: 145456.704+/-0.052 χ^2/NDF:11073020116.4/22

+ sign 143464.043+/-0.036 χ^2/NDF: 18574030173.

All: 143304.636+/-0.025 χ^2/NDF: 37894760

- sign 143150.553+/-0.035 χ^2/NDF: 19282238140.

yield_bpm0i05WS_rms vs Slug



Right In: 202.017+/-0.037 χ^2/NDF: 2704324.4/27

Left Out: 214.391+/-0.035 χ^2/NDF:643384.3/24

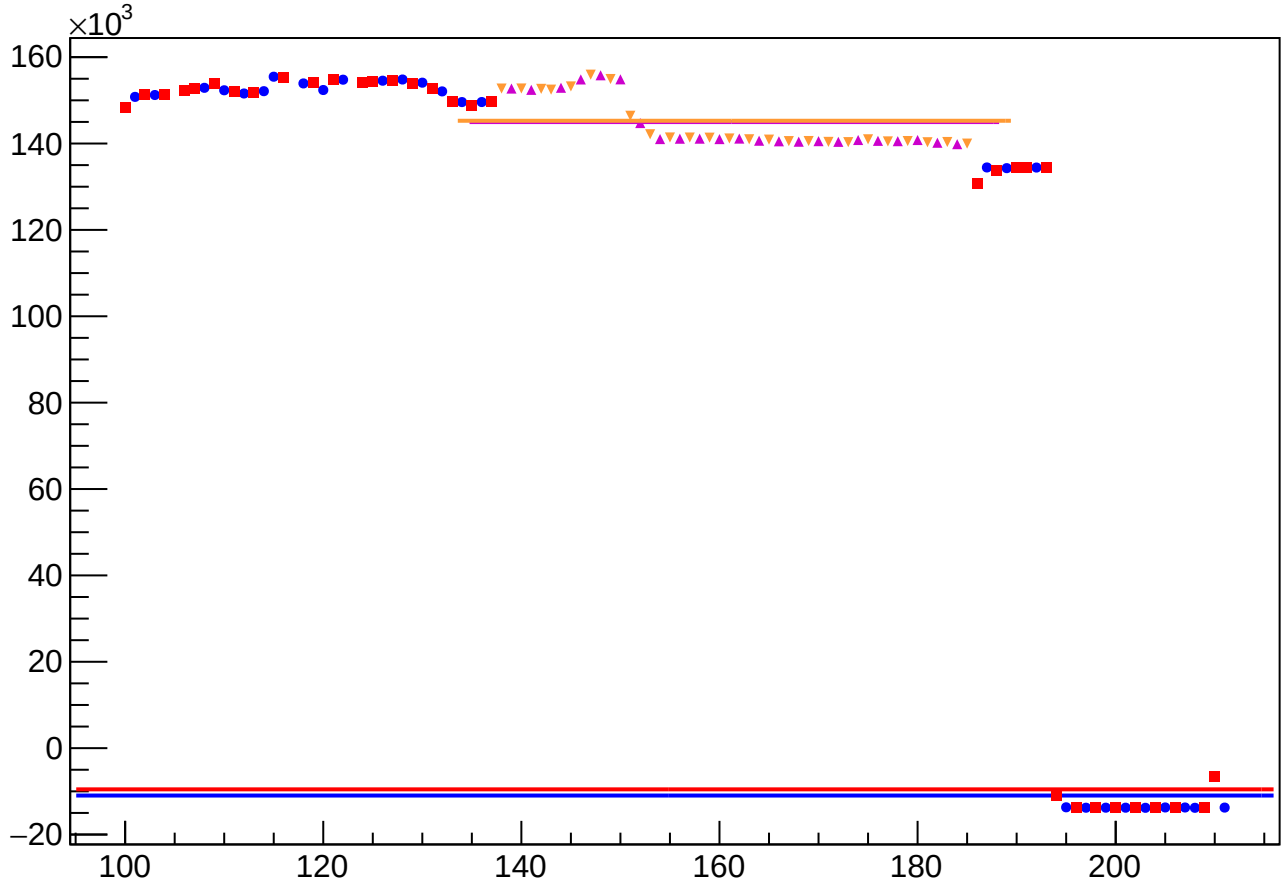
Right Out: 194.704+/-0.034 χ^2/NDF: 3182796.6/32

Left In: 216.654+/-0.036 χ^2/NDF:587166.8/22

+ sign 208.542+/-0.025 χ^2/NDF: 3406503.9/52

All: 206.770+/-0.018 χ^2/NDF: 7377329.7/108

- sign 205.058+/-0.025 χ^2/NDF: 3961318.5/55



Right In: -10970.868+/-0.009 χ^2/NDF: 5881610317937.0/27

Left Out: 145269.857+/-0.049 χ^2/NDF:13706269279.5/24

Right Out: -9538.702+/-0.009 χ^2/NDF: 7135883444738.4/32

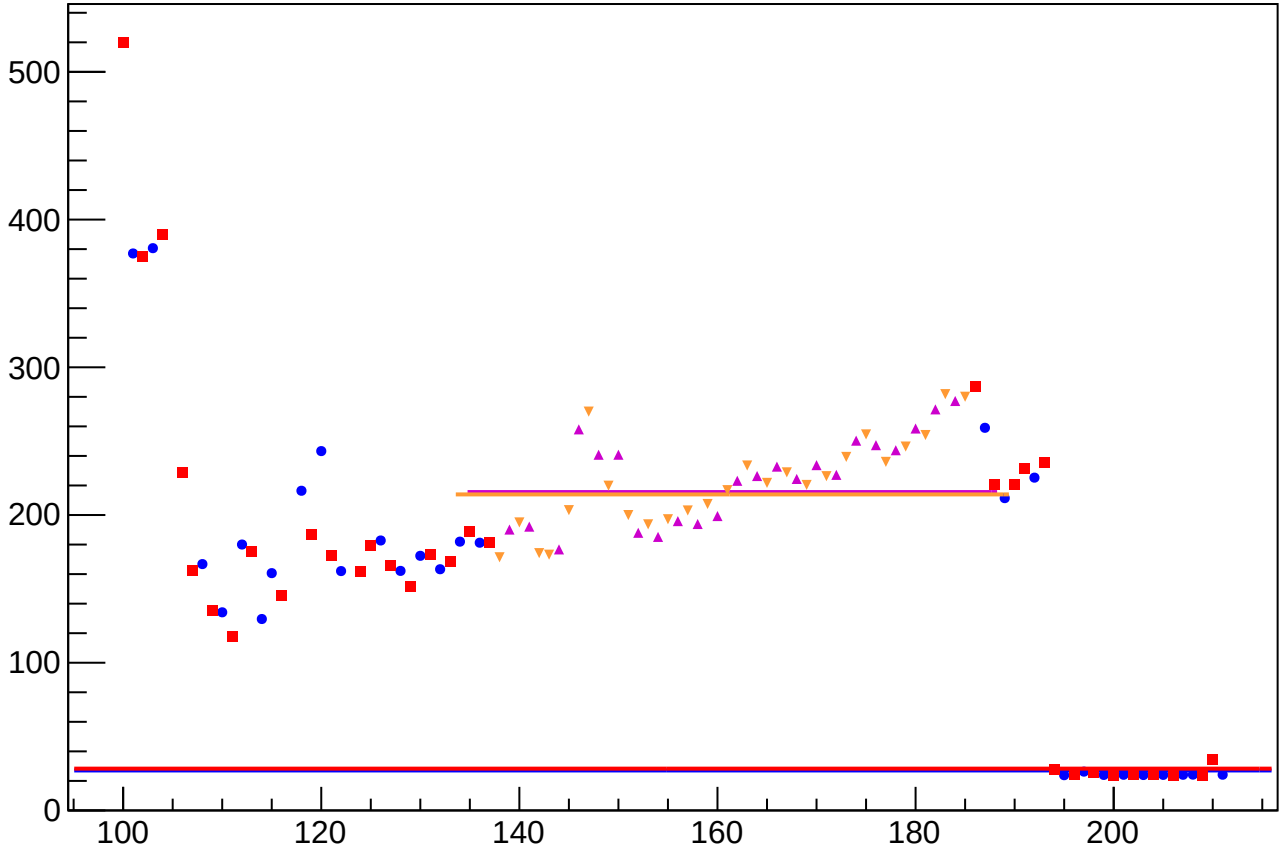
Left In: 144966.398+/-0.051 χ^2/NDF:13154547043.3/22

+ sign -6217.153+/-0.009 χ^2/NDF: 1559895696993

All: -5425.440+/-0.006 χ^2/NDF: 3157503667

- sign -4516.189+/-0.009 χ^2/NDF: 1595793339264

yield_bpm0i07WS_rms vs Slug



Right In: 27.080+/-0.006 χ^2/NDF: 12689106.3/27

Left Out: 213.951+/-0.035 χ^2/NDF:650607.8/24

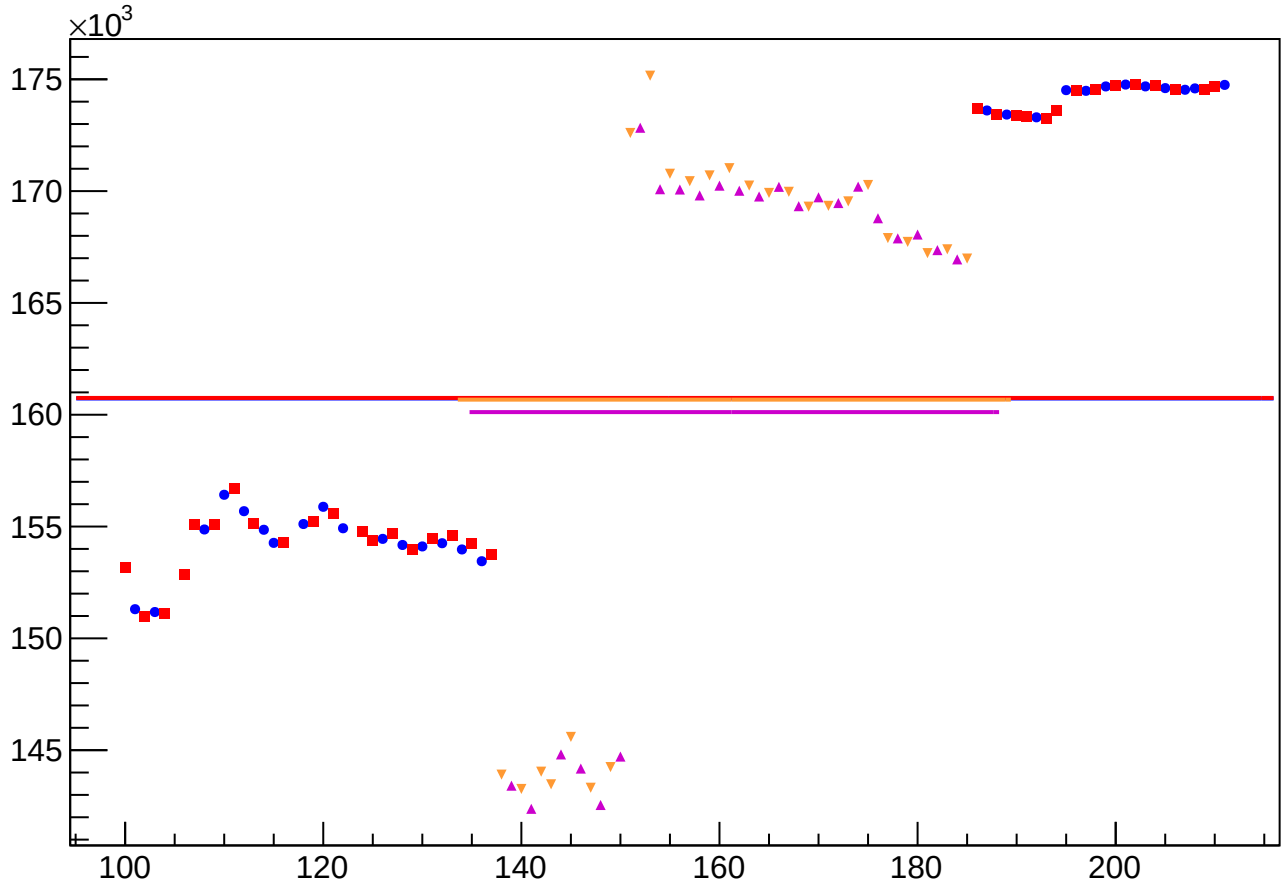
Right Out: 28.306+/-0.007 χ^2/NDF: 14450120.5/32

Left In: 215.539+/-0.036 χ^2/NDF:600575.7/22

+ sign 32.765+/-0.006 χ^2/NDF: 41102433.6/52

All: 33.523+/-0.004 χ^2/NDF: 82058153.0/108

- sign 34.393+/-0.007 χ^2/NDF: 40922496.7/55



Right In: 160725.986+/-0.054 χ^2/NDF: 27978866135.1/27

Left Out: 160674.818+/-0.047 χ^2/NDF:74155131898.4/24

Right Out: 160751.054+/-0.051 χ^2/NDF: 31289085373.3/32

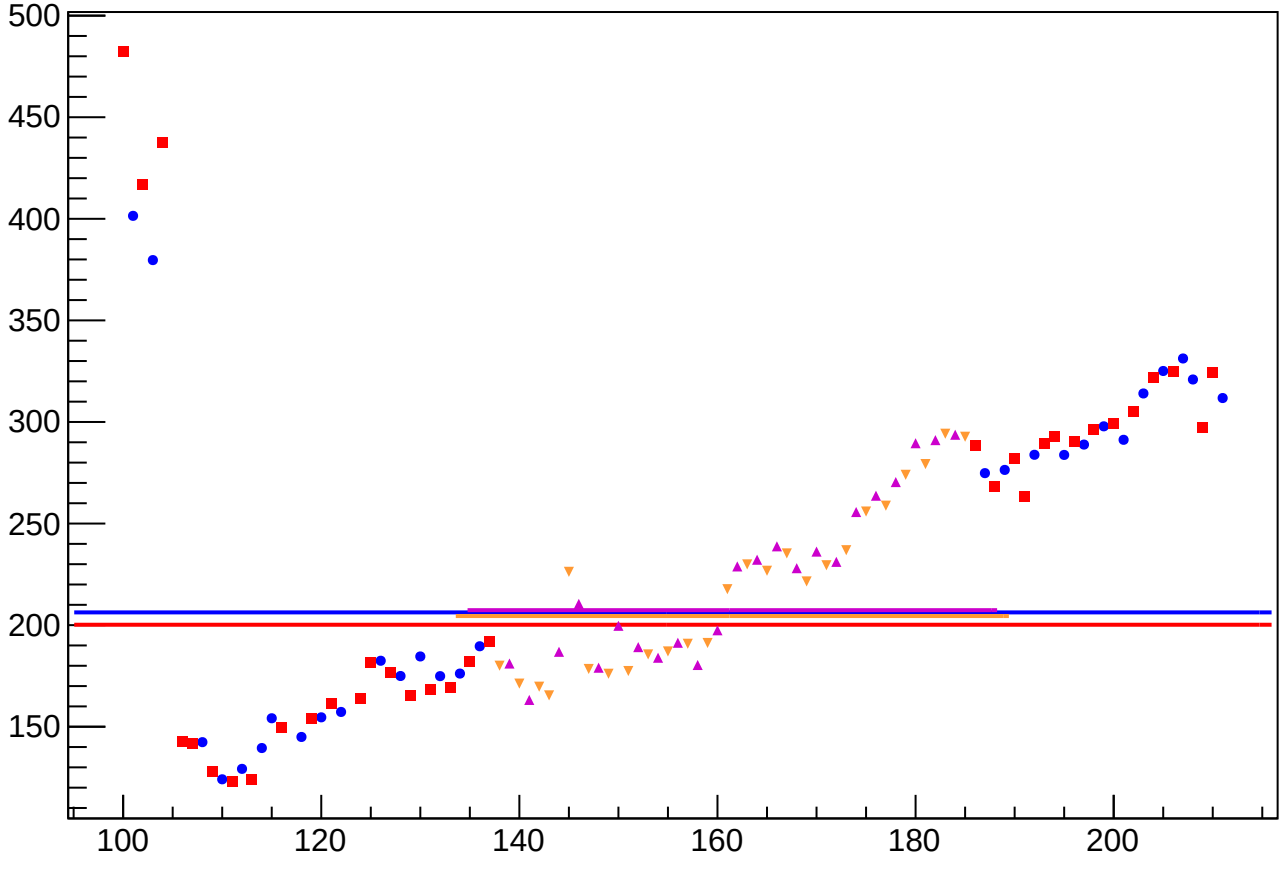
Left In: 160117.460+/-0.049 χ^2/NDF:66553191753.2/22

+ sign 160696.924+/-0.036 χ^2/NDF: 102134501633

All: 160559.967+/-0.025 χ^2/NDF: 20008586

- sign 160425.256+/-0.035 χ^2/NDF: 97922197266.1

yield_bpm1i02WS_rms vs Slug



Right In: 206.272+/-0.038 χ^2/NDF: 3775875.9/27

Left Out: 204.476+/-0.034 χ^2/NDF:1073199.0/24

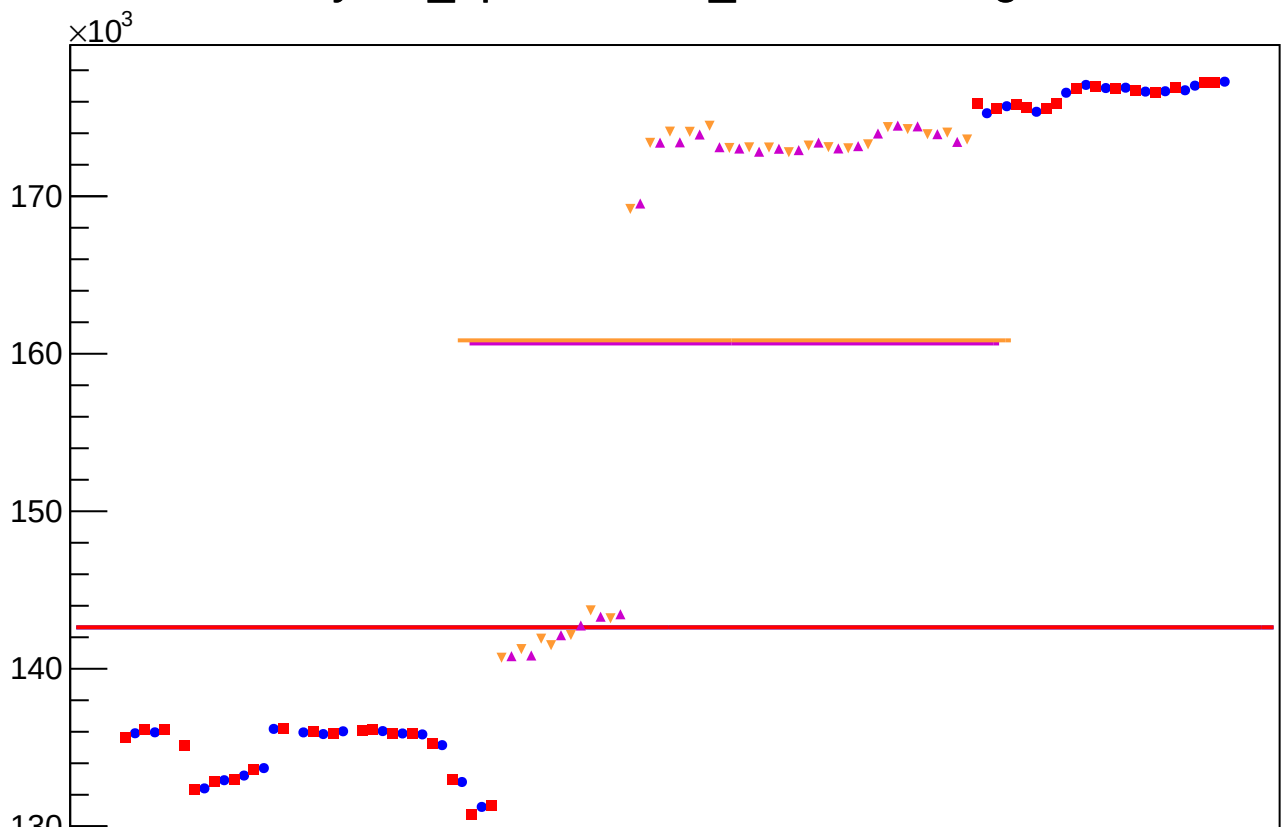
Right Out: 200.194+/-0.036 χ^2/NDF: 4541615.9/32

Left In: 207.368+/-0.035 χ^2/NDF:956644.0/22

+ sign 205.252+/-0.025 χ^2/NDF: 4850315.5/52

All: 204.562+/-0.018 χ^2/NDF: 10370547.0/10

- sign 203.883+/-0.025 χ^2/NDF: 5518751.0/55



Right In: 142624.864+/-0.046 χ^2/NDF: 137902051151.7/27

Left Out: 160851.077+/-0.048 χ^2/NDF:99202825178.3/24

Right Out: 142633.199+/-0.043 χ^2/NDF: 156207445844.0/32

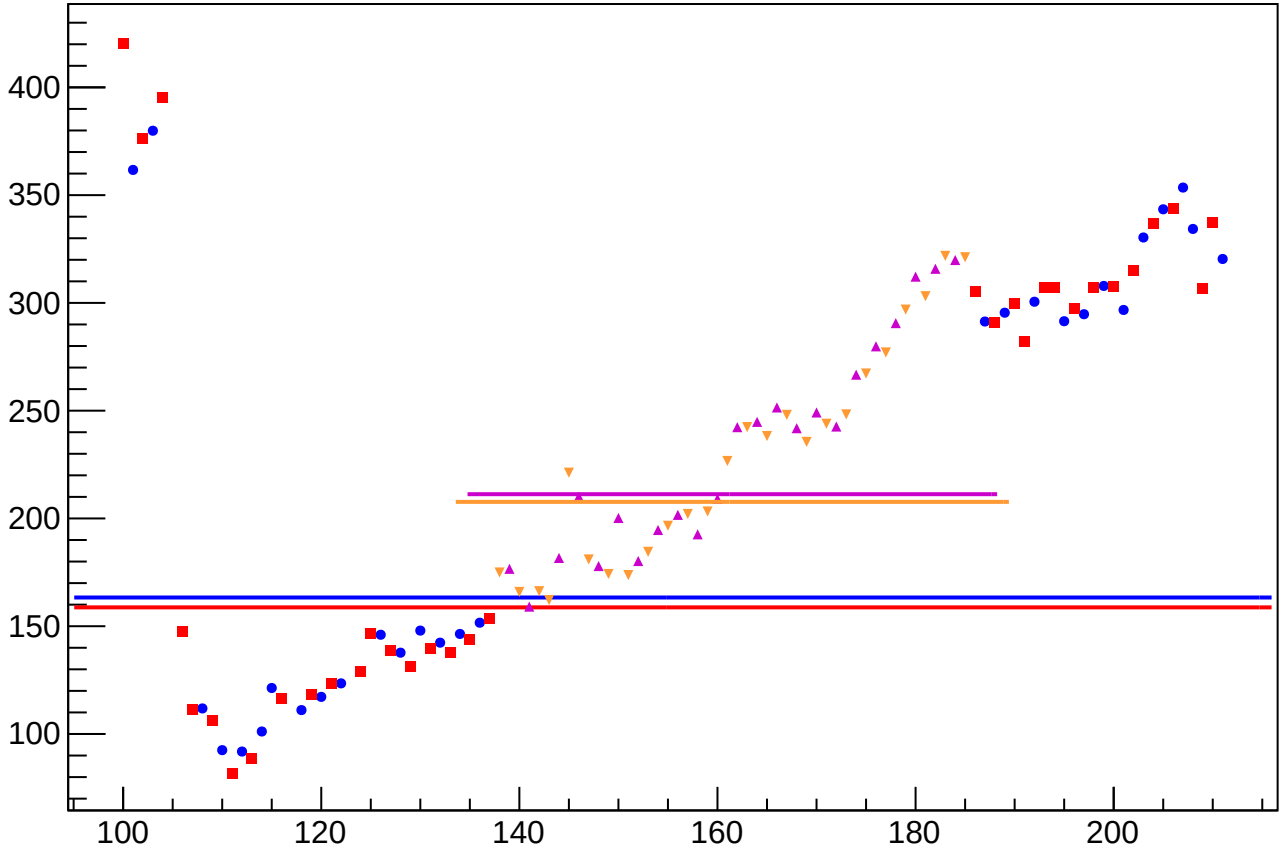
Left In: 160654.189+/-0.051 χ^2/NDF:90149721861.0/22

+ sign 151177.034+/-0.033 χ^2/NDF: 312281975592

All: 150667.985+/-0.023 χ^2/NDF: 63285991

- sign 150172.393+/-0.033 χ^2/NDF: 320113237332

yield_bpm1i04WS_rms vs Slug



Right In: 163.326+/-0.032 χ^2/NDF: 6862701.5/27

Left Out: 207.689+/-0.034 χ^2/NDF:1500711.5/24

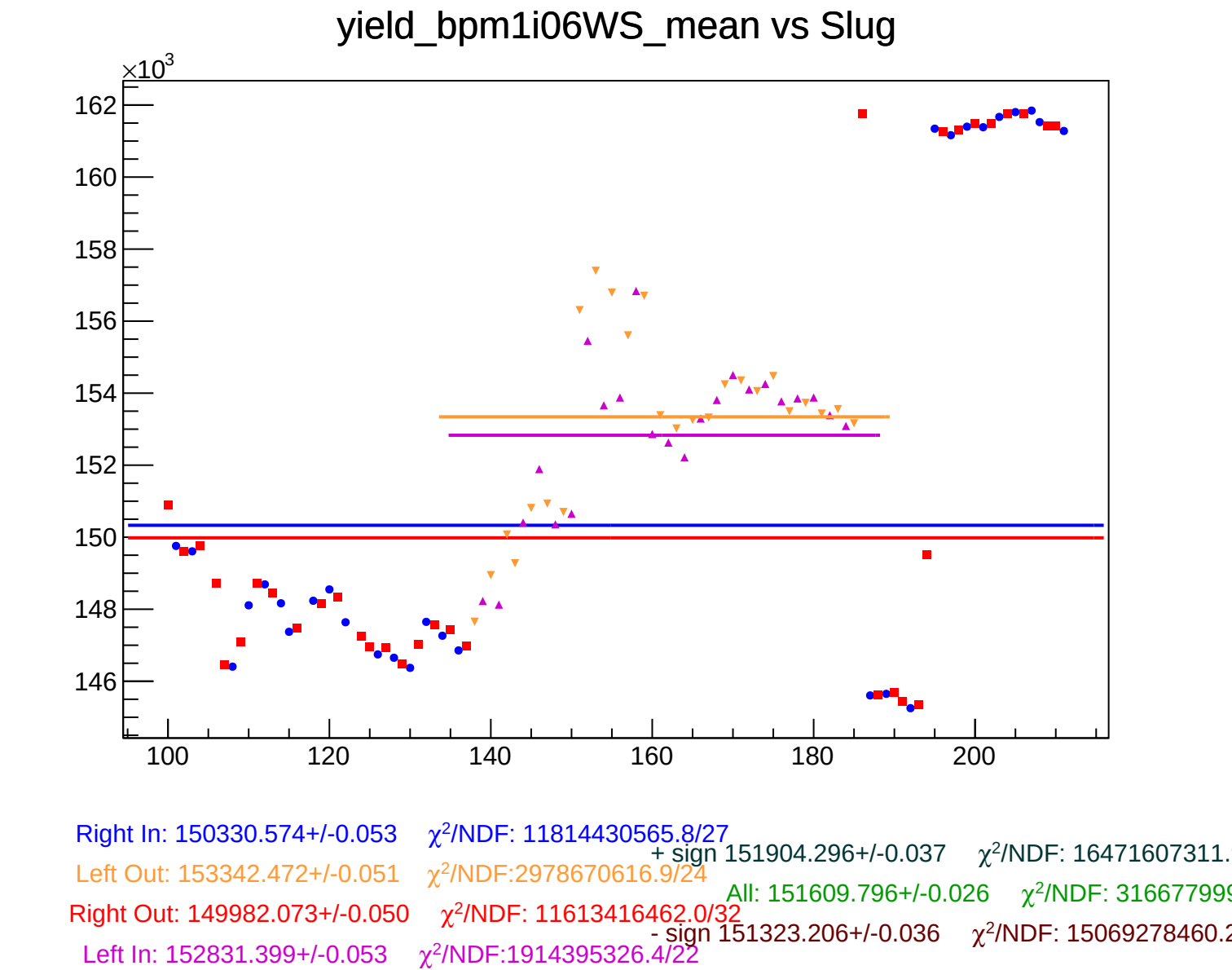
Right Out: 158.741+/-0.030 χ^2/NDF: 7983007.4/32

Left In: 211.254+/-0.036 χ^2/NDF:1305730.5/22

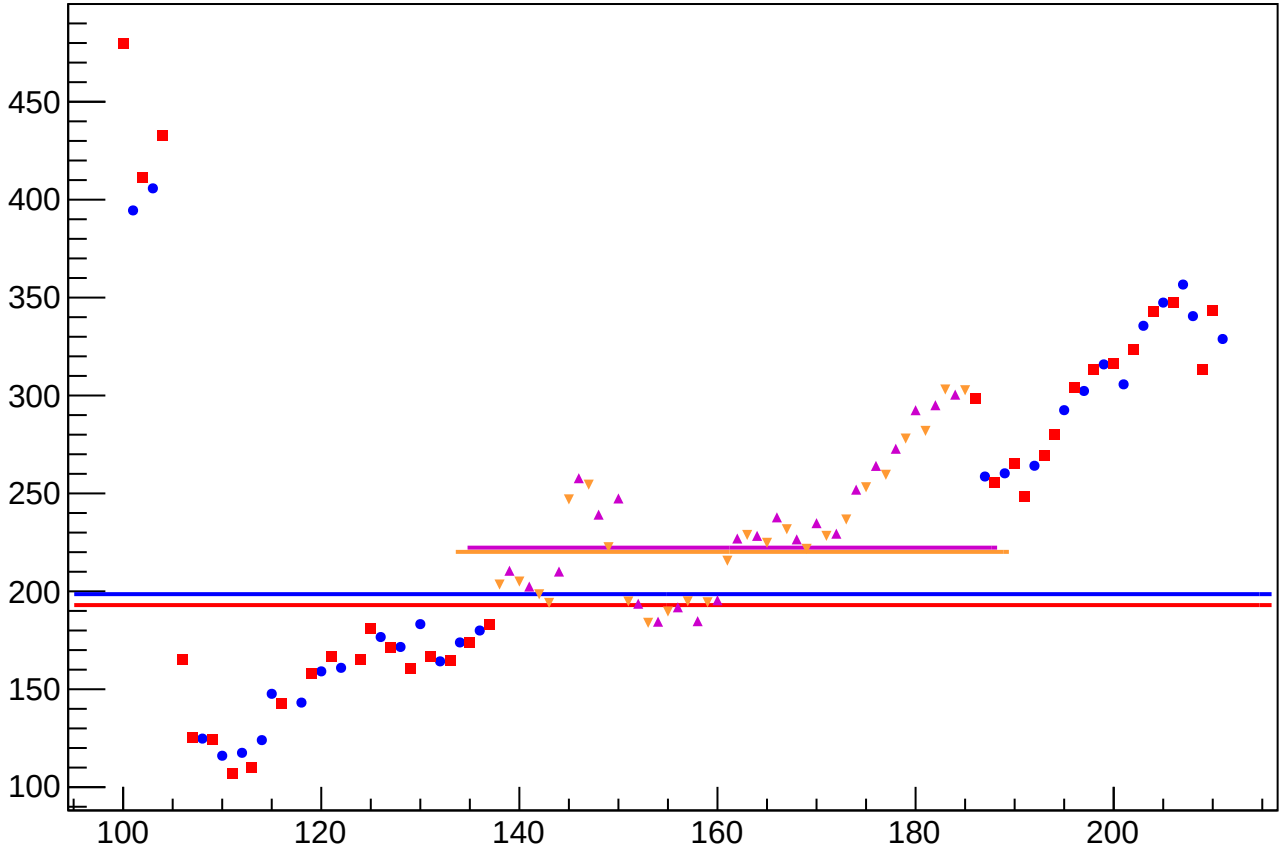
+ sign 184.142+/-0.023 χ^2/NDF: 9254198.9/52

All: 182.403+/-0.016 χ^2/NDF: 19806363.3/10

- sign 180.710+/-0.023 χ^2/NDF: 10541321.2/55


yield_bpm1i06WS_mean vs Slug
×10^3
162
160
158
156
154
152
150
148
146
100
120
140
160
180
200
Right In: 150330.574+/-0.053 χ²/NDF: 11814430565.8/27
Left Out: 153342.472+/-0.051 χ²/NDF:2978670616.9/24
Right Out: 149982.073+/-0.050 χ²/NDF: 11613416462.0/32
Left In: 152831.399+/-0.053 χ²/NDF:1914395326.4/22
+ sign 151904.296+/-0.037 χ²/NDF: 16471607311.
All: 151609.796+/-0.026 χ²/NDF: 31667799
- sign 151323.206+/-0.036 χ²/NDF: 15069278460.2

yield_bpm1i06WS_rms vs Slug



Right In: 198.564+/-0.038 χ^2/NDF: 4676913.6/27

Left Out: 220.156+/-0.036 χ^2/NDF:685590.6/24

Right Out: 192.976+/-0.035 χ^2/NDF: 5400491.2/32

Left In: 222.304+/-0.037 χ^2/NDF:697605.9/22

+ sign 209.846+/-0.026 χ^2/NDF: 5535030.2/52

All: 208.292+/-0.018 χ^2/NDF: 11966808.7/10

- sign 206.781+/-0.026 χ^2/NDF: 6424716.2/55

Right In: 156021.002+/-0.047 χ^2/NDF: 39966994544.6/27

Left Out: 167385.483+/-0.047 χ^2/NDF:59602607546.2/24

Right Out: 156033.567+/-0.044 χ^2/NDF: 46141816016.7/32

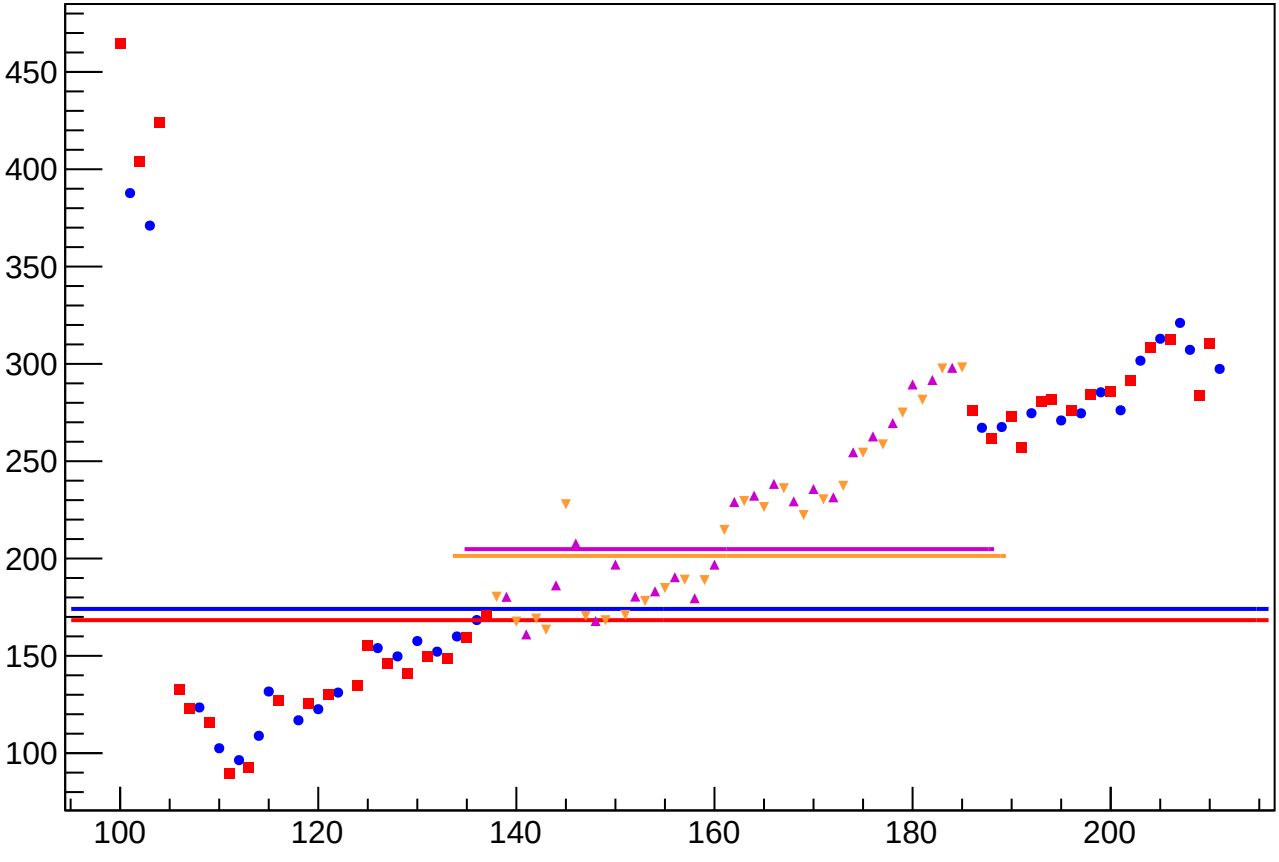
Left In: 167234.214+/-0.049 χ^2/NDF:55099214555.0/22

+ sign 161767.484+/-0.033 χ^2/NDF: 12880395417

All: 161410.732+/-0.023 χ^2/NDF: 25920831

- sign 161064.200+/-0.033 χ^2/NDF: 13017715979

yield_bpm2i01WS_rms vs Slug



Right In: 174.099+/-0.033 χ^2/NDF: 5384840.1/27

Left Out: 201.329+/-0.033 χ^2/NDF:1230655.6/24

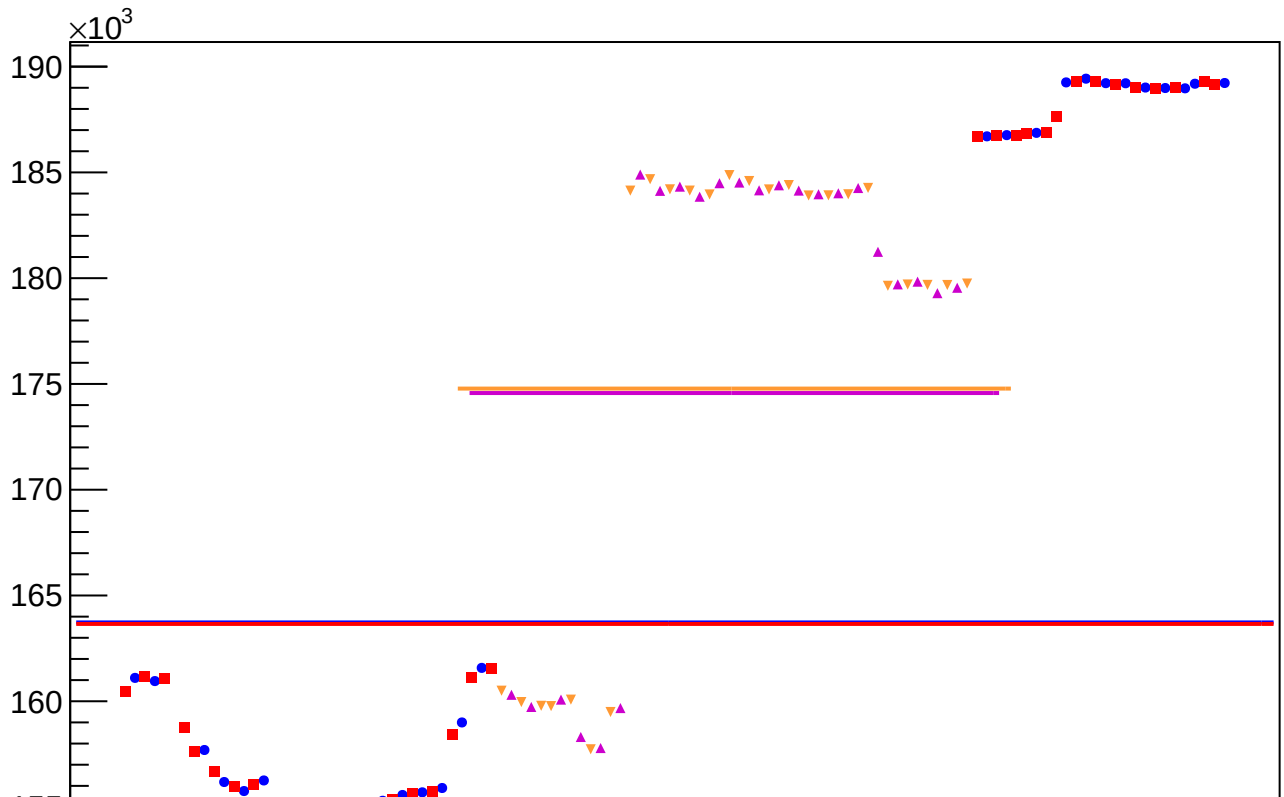
Right Out: 168.331+/-0.031 χ^2/NDF: 6391218.3/32

Left In: 204.826+/-0.035 χ^2/NDF:1053130.7/22

+ sign 187.868+/-0.023 χ^2/NDF: 6951156.8/52

All: 186.272+/-0.016 χ^2/NDF: 15019004.1/10

- sign 184.722+/-0.023 χ^2/NDF: 8058756.1/55



Right In: 163725.540+/-0.050 χ^2/NDF: 73717891752.0/27

Left Out: 174780.651+/-0.048 χ^2/NDF:58132787948.0/24

Right Out: 163655.706+/-0.047 χ^2/NDF: 82487996850.3/32

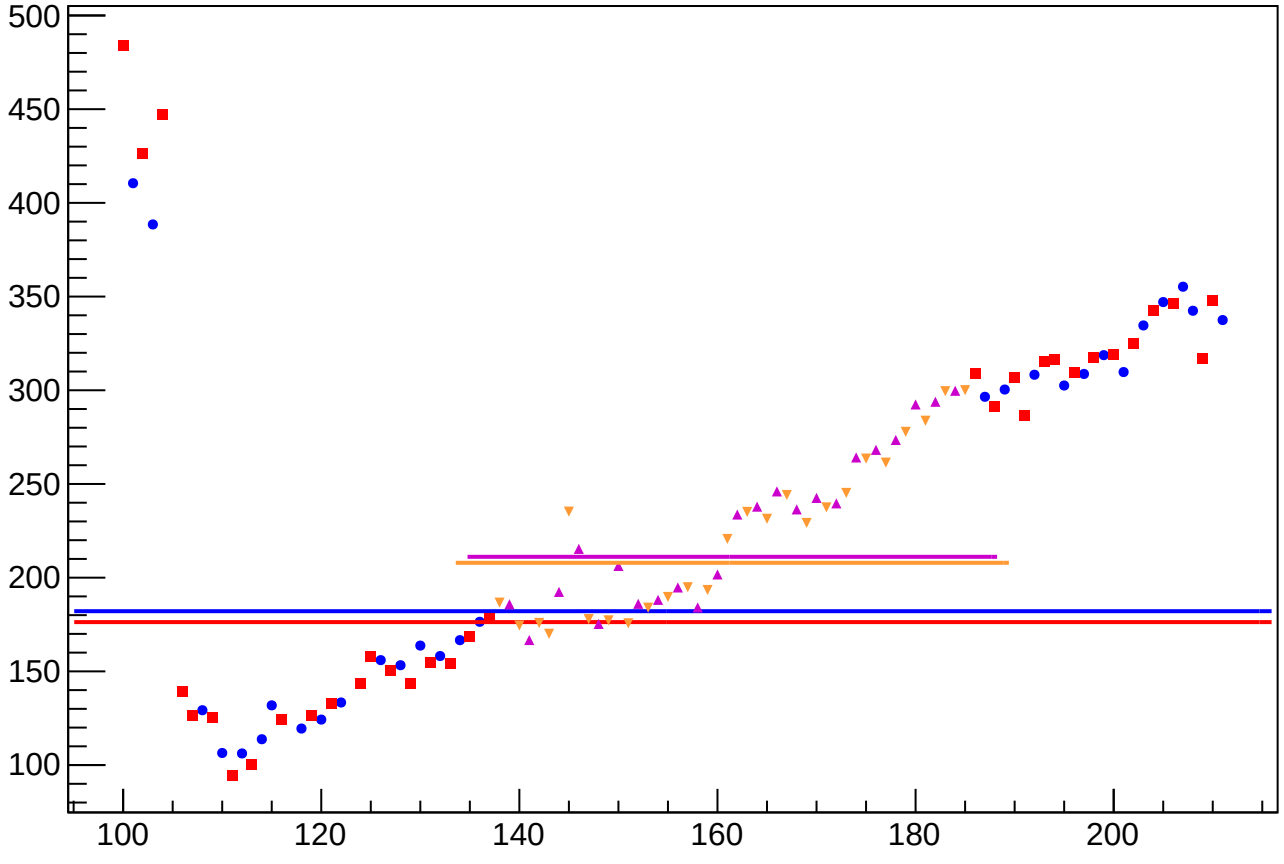
Left In: 174570.001+/-0.050 χ^2/NDF:54757801795.4/22

+ sign 169457.035+/-0.035 χ^2/NDF: 157176855600

All: 169078.628+/-0.024 χ^2/NDF: 31990030

- sign 168710.098+/-0.034 χ^2/NDF: 162488846770

yield_bpm2i02WS_rms vs Slug



Right In: 182.112+/-0.035 χ^2/NDF: 6003781.8/27

Left Out: 207.940+/-0.034 χ^2/NDF:1132127.7/24

Right Out: 176.288+/-0.033 χ^2/NDF: 7056403.7/32

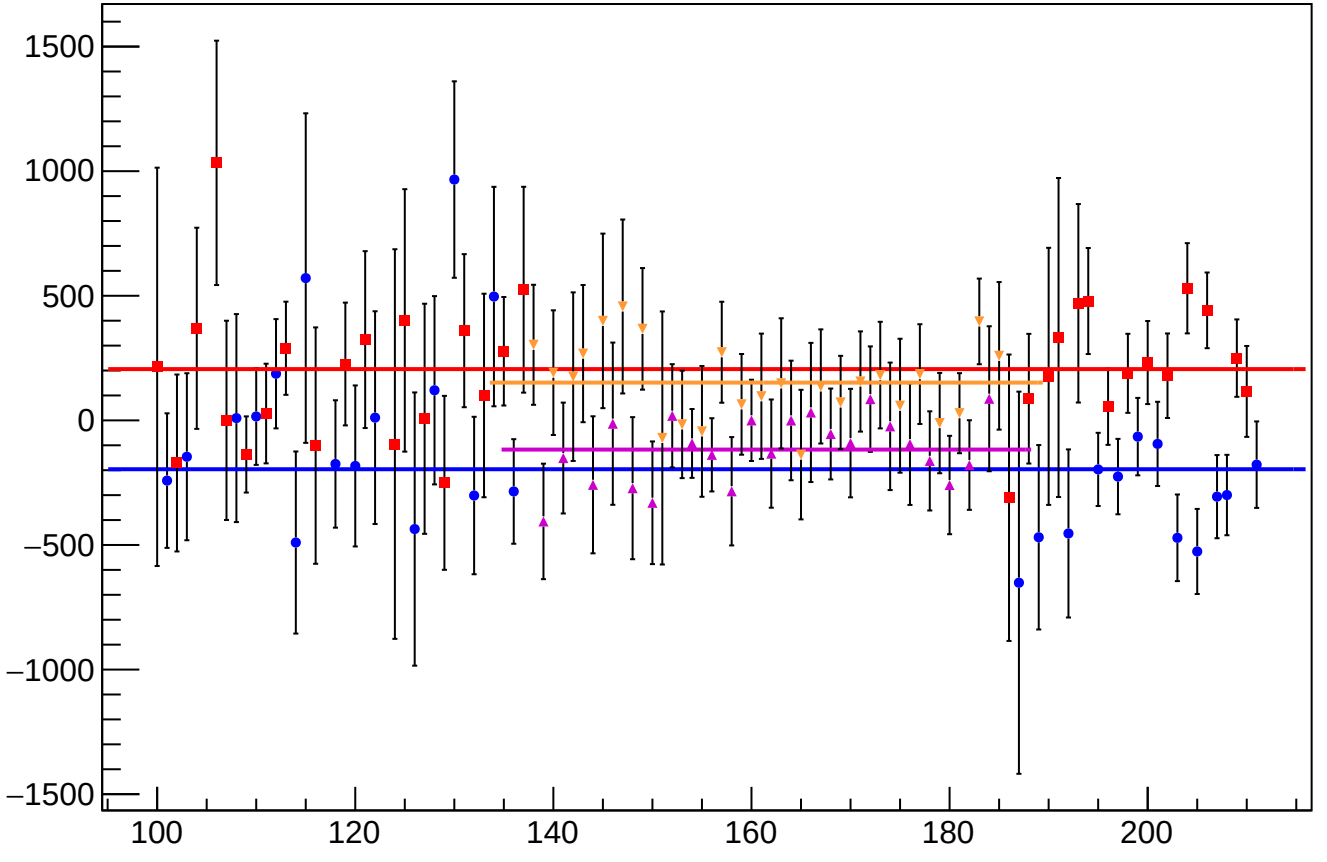
Left In: 211.133+/-0.036 χ^2/NDF:993720.4/22

+ sign 195.502+/-0.025 χ^2/NDF: 7412377.7/52

All: 193.943+/-0.017 χ^2/NDF: 15985080.5/10

- sign 192.425+/-0.024 χ^2/NDF: 8564736.8/55

asym_bcm_target_mean vs Slug



Right In: -196.075+/-43.451 χ^2/NDF: 28.8/27

Left Out: 151.598+/-46.419 χ^2/NDF:9.6/24

Right Out: 205.760+/-42.107 χ^2/NDF: 24.3/32

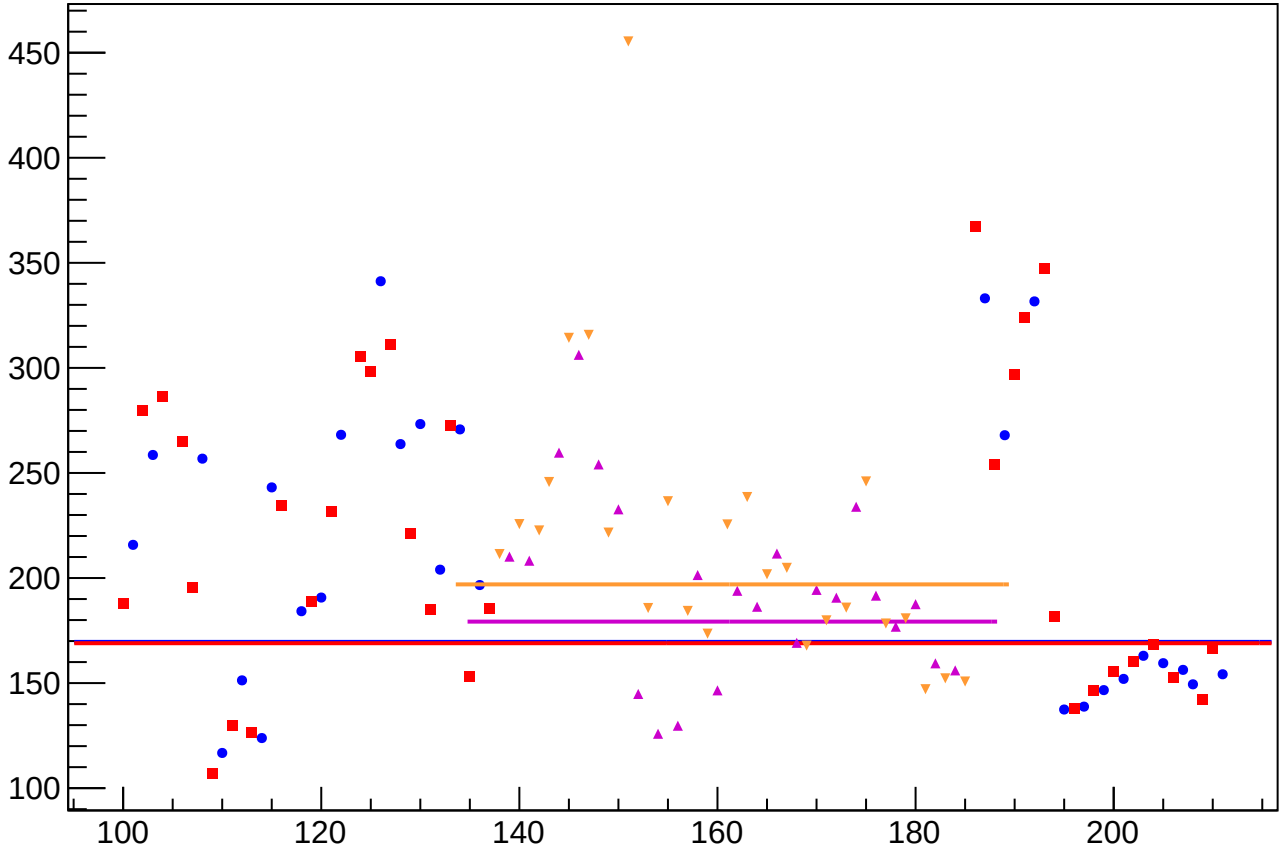
Left In: -117.163+/-43.778 χ^2/NDF:7.5/22

\+ sign -33.707+/-31.722 χ^2/NDF: 68.3/52

All: 10.302+/-21.929 χ^2/NDF: 132.0/108

\- sign 50.580+/-30.348 χ^2/NDF: 60.0/55

asym_bcm_target_rms vs Slug



Right In: 169.607+/-0.031 χ^2/NDF: 2255277.7/27

Left Out: 196.975+/-0.033 χ^2/NDF:1809307.4/24

Right Out: 168.977+/-0.030 χ^2/NDF: 2963074.0/32

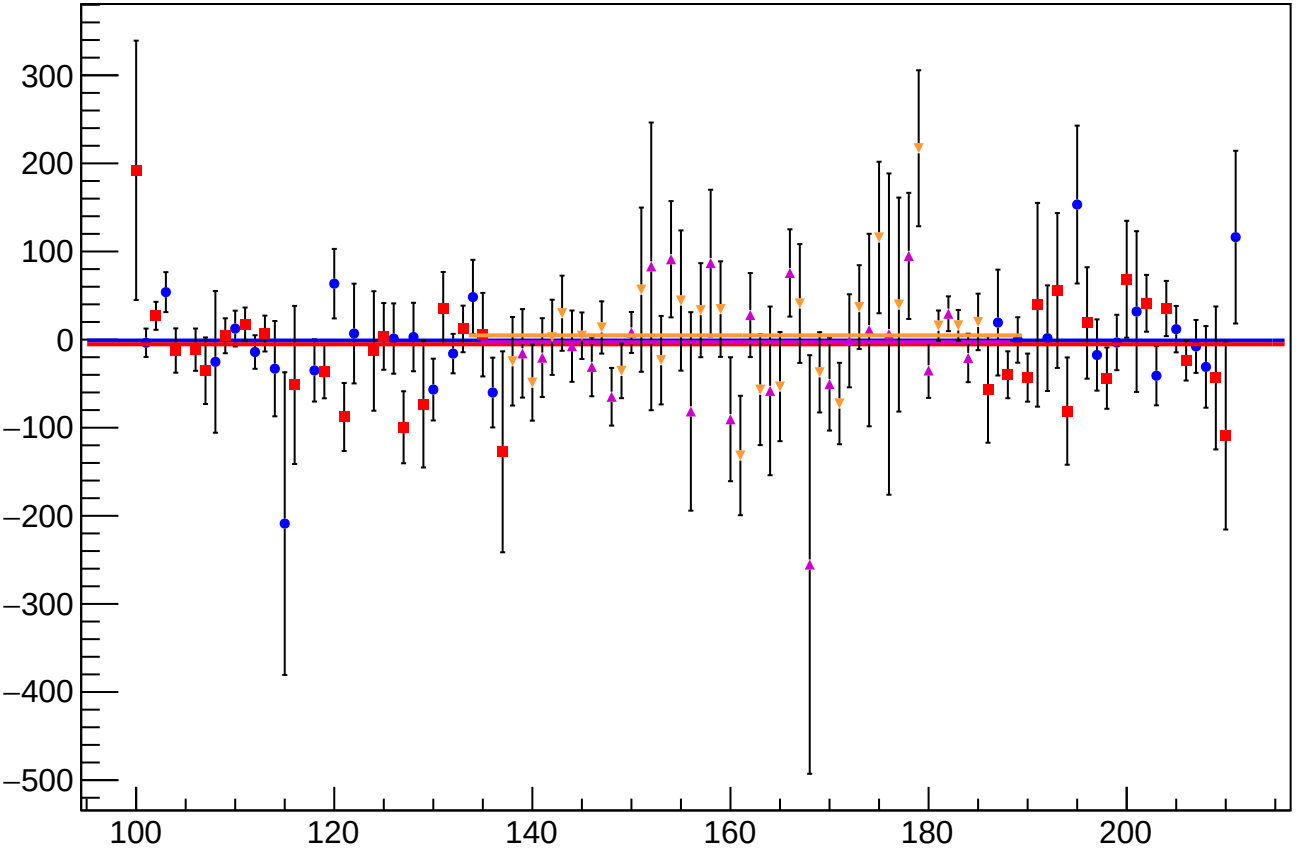
Left In: 179.256+/-0.031 χ^2/NDF:1656023.5/22

+ sign 182.388+/-0.022 χ^2/NDF: 4435129.0/52

All: 177.965+/-0.016 χ^2/NDF: 9185974.1/108

- sign 173.917+/-0.021 χ^2/NDF: 4676366.1/55

asym_bcm_an_diff_mean vs Slug



Right In: -1.046+/-6.144 χ^2/NDF: 25.8/27

Left Out: 4.803+/-7.601 χ^2/NDF:24.3/24

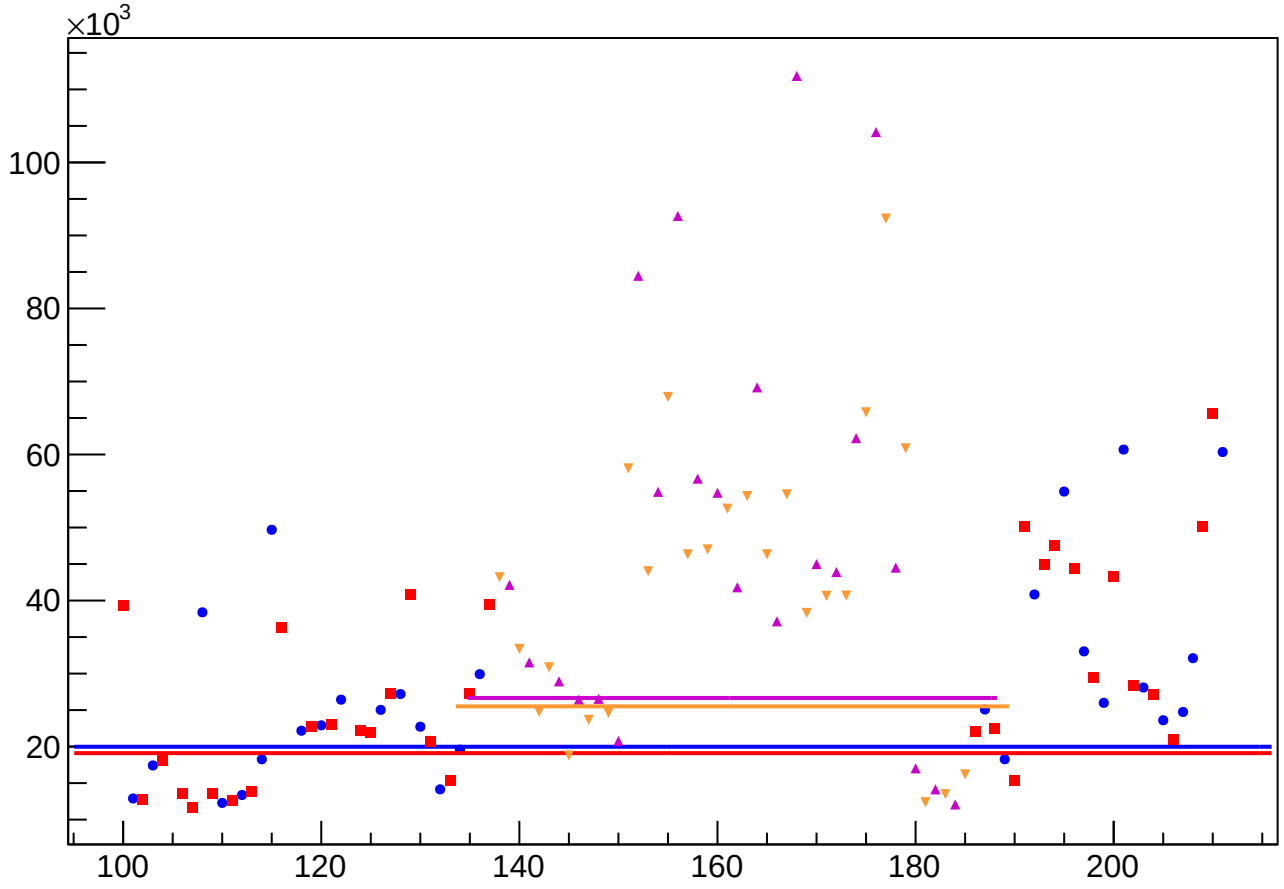
Right Out: -5.359+/-5.696 χ^2/NDF: 38.2/32

Left In: -2.918+/-8.840 χ^2/NDF:21.5/22

+ sign 1.265+/-4.778 χ^2/NDF: 50.5/52

All: -1.683+/-3.382 χ^2/NDF: 111.0/108

- sign -4.643+/-4.788 χ^2/NDF: 59.7/55



Right In: 19977.831+/-4.344 χ^2/NDF: 3457232.2/27

Left Out: 25512.643+/-5.375 χ^2/NDF:7742585.8/24

Right Out: 19106.435+/-4.028 χ^2/NDF: 4202486.4/32

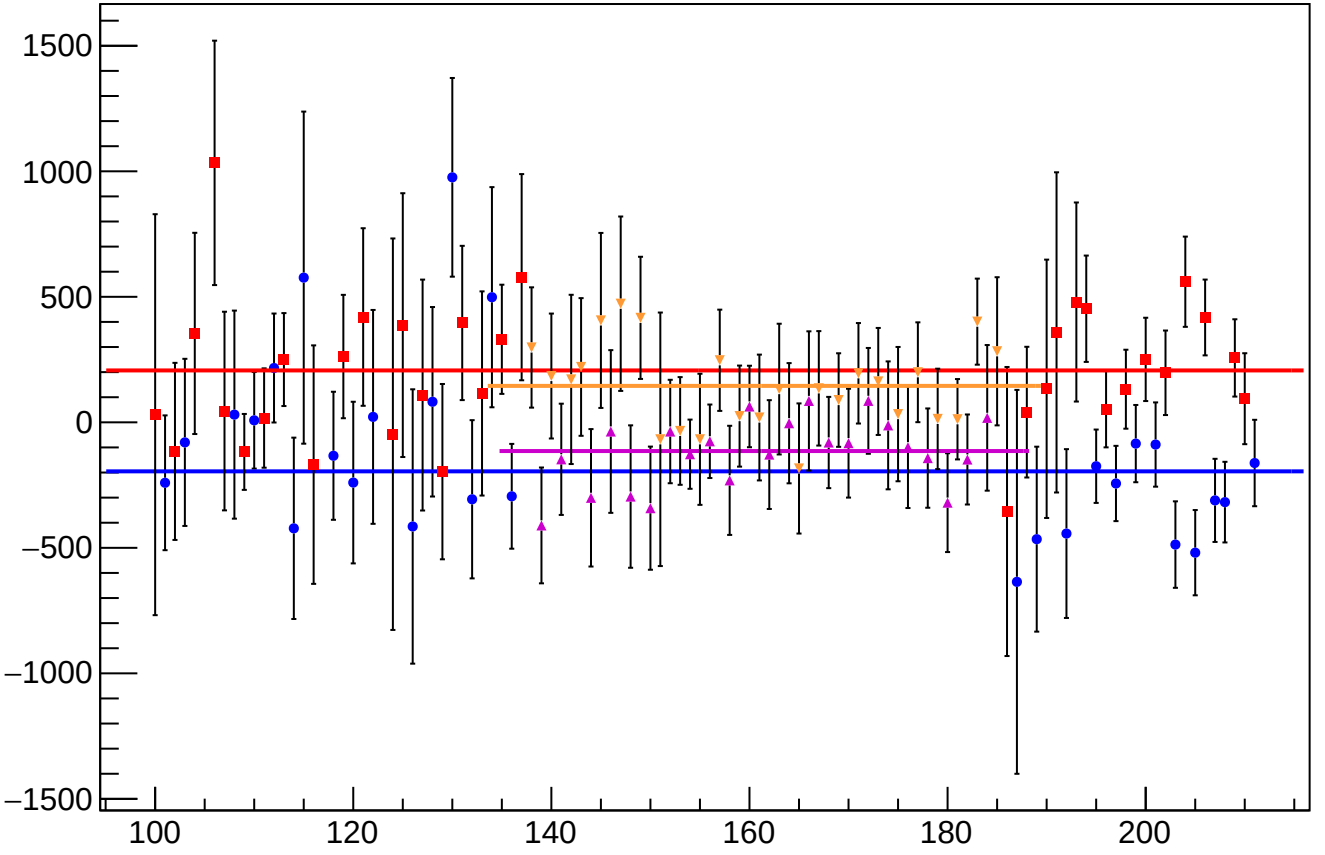
Left In: 26660.853+/-6.251 χ^2/NDF:5883195.1/22

+ sign 22164.931+/-3.379 χ^2/NDF: 11841226.2/52

All: 21744.727+/-2.392 χ^2/NDF: 22989935.9

- sign 21322.735+/-3.386 χ^2/NDF: 11117707.6/55

asym_bcm_an_ds_mean vs Slug



Right In: -195.284+/-43.163 χ^2/NDF: 29.6/27

Left Out: 145.172+/-46.225 χ^2/NDF:11.2/24

Right Out: 206.735+/-41.840 χ^2/NDF: 24.8/32

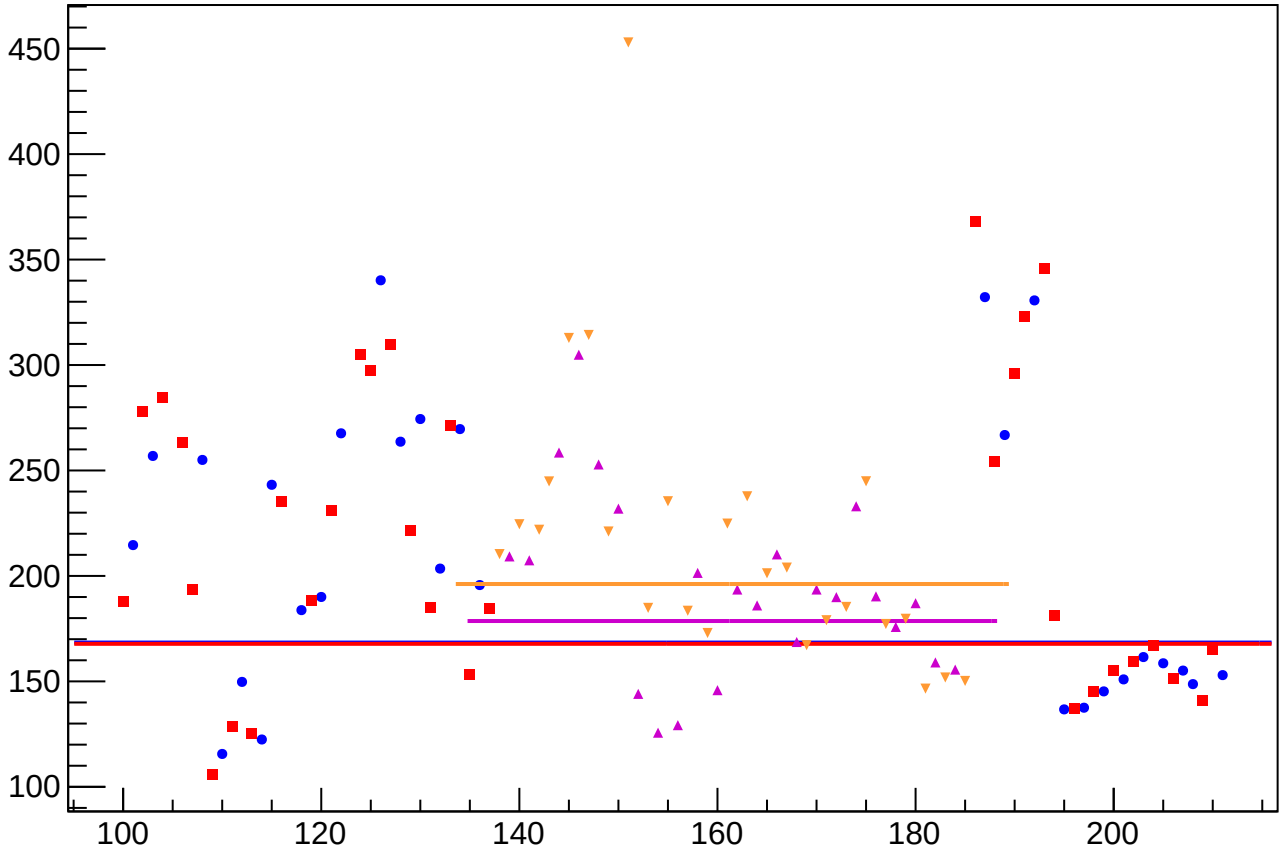
Left In: -114.400+/-43.619 χ^2/NDF:8.4/22

+ sign -36.707+/-31.548 χ^2/NDF: 69.8/52

All: 10.034+/-21.814 χ^2/NDF: 135.4/108

- sign 52.852+/-30.195 χ^2/NDF: 61.4/55

asym_bcm_an_ds_rms vs Slug



Right In: 168.403+/-0.031 χ^2/NDF: 2284642.9/27

Left Out: 196.166+/-0.033 χ^2/NDF:1806871.5/24

Right Out: 167.810+/-0.030 χ^2/NDF: 3001460.1/32

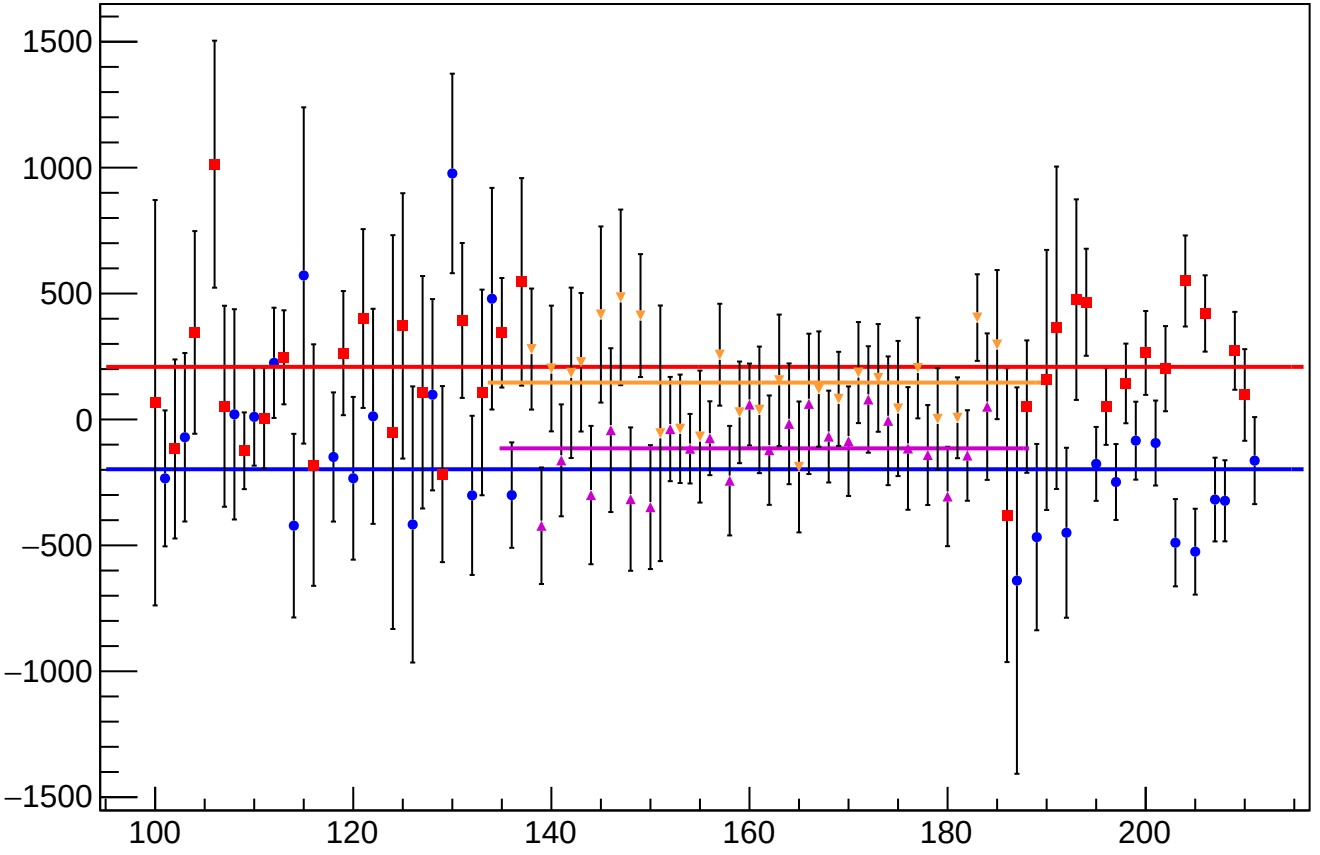
Left In: 178.621+/-0.031 χ^2/NDF:1651873.8/22

+ sign 181.334+/-0.022 χ^2/NDF: 4476917.1/52

All: 176.979+/-0.015 χ^2/NDF: 9267252.1/108

- sign 172.990+/-0.021 χ^2/NDF: 4717319.8/55

asym_bcm_an_ds3_mean vs Slug



Right In: -197.784+/-43.371 χ^2/NDF: 29.7/27

Left Out: 146.417+/-46.379 χ^2/NDF:11.4/24

Right Out: 208.865+/-42.052 χ^2/NDF: 24.7/32

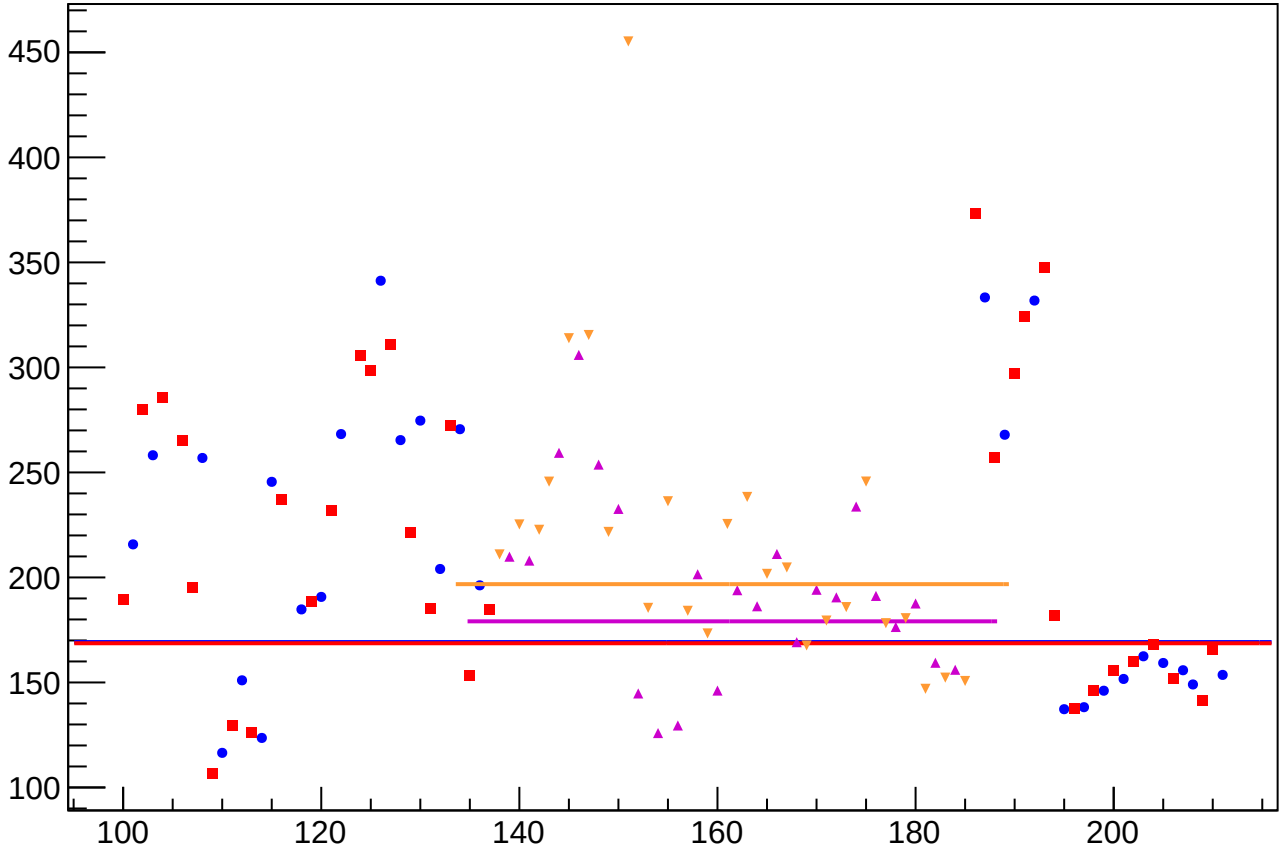
Left In: -114.807+/-43.740 χ^2/NDF:8.4/22

+ sign -37.206+/-31.678 χ^2/NDF: 70.6/52

All: 10.088+/-21.902 χ^2/NDF: 136.4/108

- sign 53.398+/-30.314 χ^2/NDF: 61.5/55

asym_bcm_an_ds3_rms vs Slug



Right In: 169.233+/-0.031 χ^2/NDF: 2277233.4/27

Left Out: 196.805+/-0.033 χ^2/NDF:1808608.7/24

Right Out: 168.664+/-0.030 χ^2/NDF: 2998976.5/32

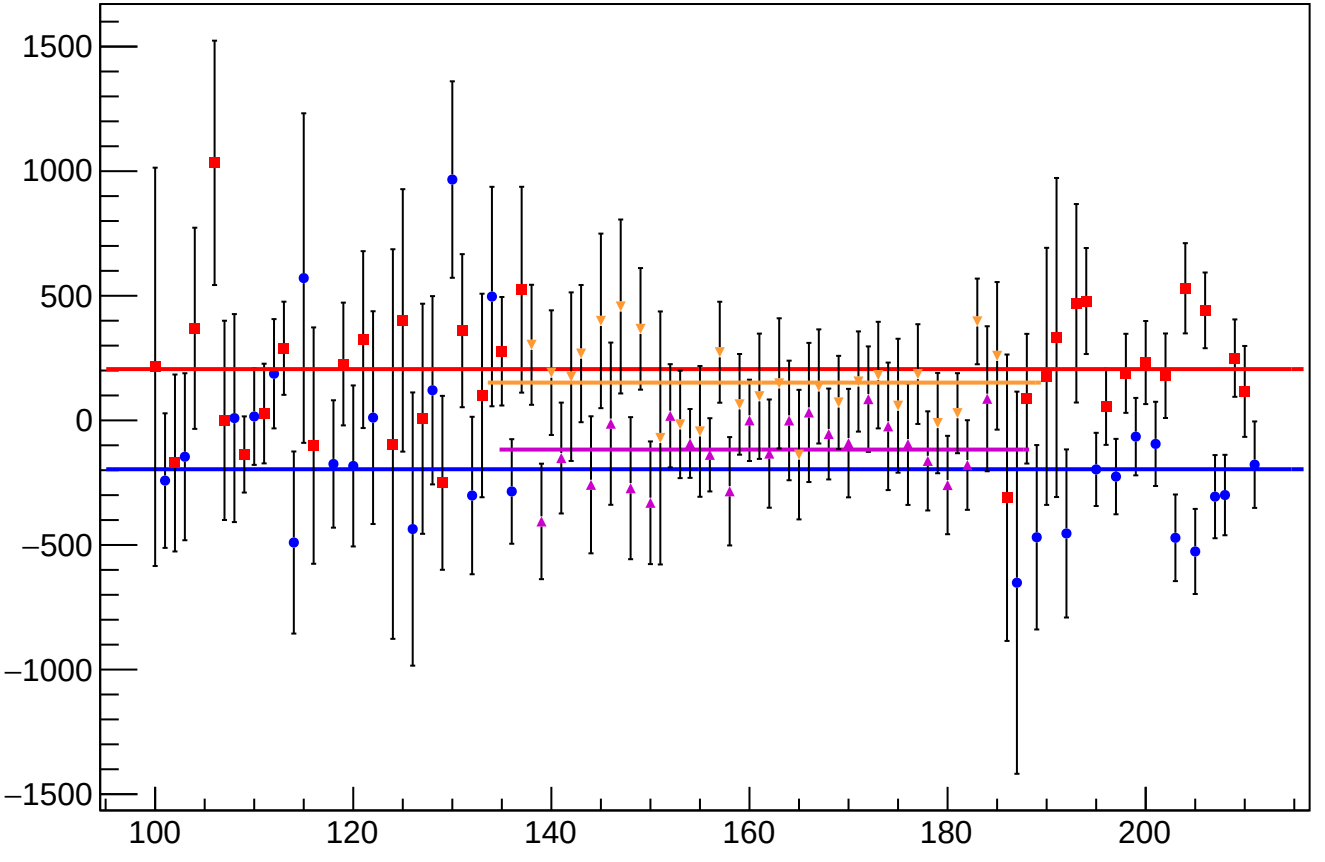
Left In: 179.101+/-0.031 χ^2/NDF:1655866.1/22

+ sign 182.096+/-0.022 χ^2/NDF: 4462926.2/52

All: 177.702+/-0.015 χ^2/NDF: 9250697.7/108

- sign 173.677+/-0.021 χ^2/NDF: 4714021.9/55

asym_bcm_an_us_mean vs Slug



Right In: -196.075+/-43.451 χ^2/NDF: 28.8/27

Left Out: 151.598+/-46.419 χ^2/NDF:9.6/24

Right Out: 205.760+/-42.107 χ^2/NDF: 24.3/32

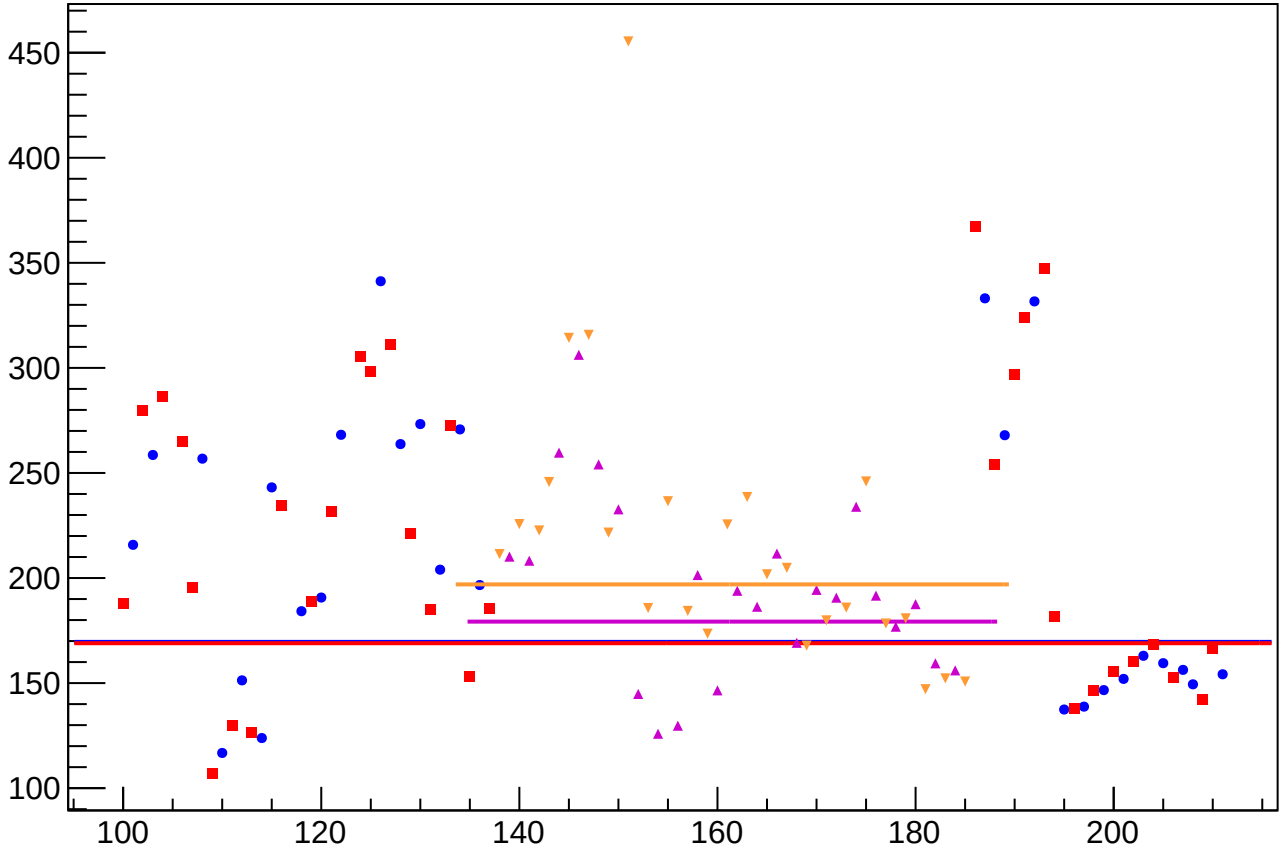
Left In: -117.163+/-43.778 χ^2/NDF:7.5/22

+ sign -33.707+/-31.722 χ^2/NDF: 68.3/52

All: 10.302+/-21.929 χ^2/NDF: 132.0/108

- sign 50.580+/-30.348 χ^2/NDF: 60.0/55

asym_bcm_an_us_rms vs Slug



Right In: 169.607+/-0.031 χ^2/NDF: 2255277.7/27

Left Out: 196.975+/-0.033 χ^2/NDF:1809307.4/24

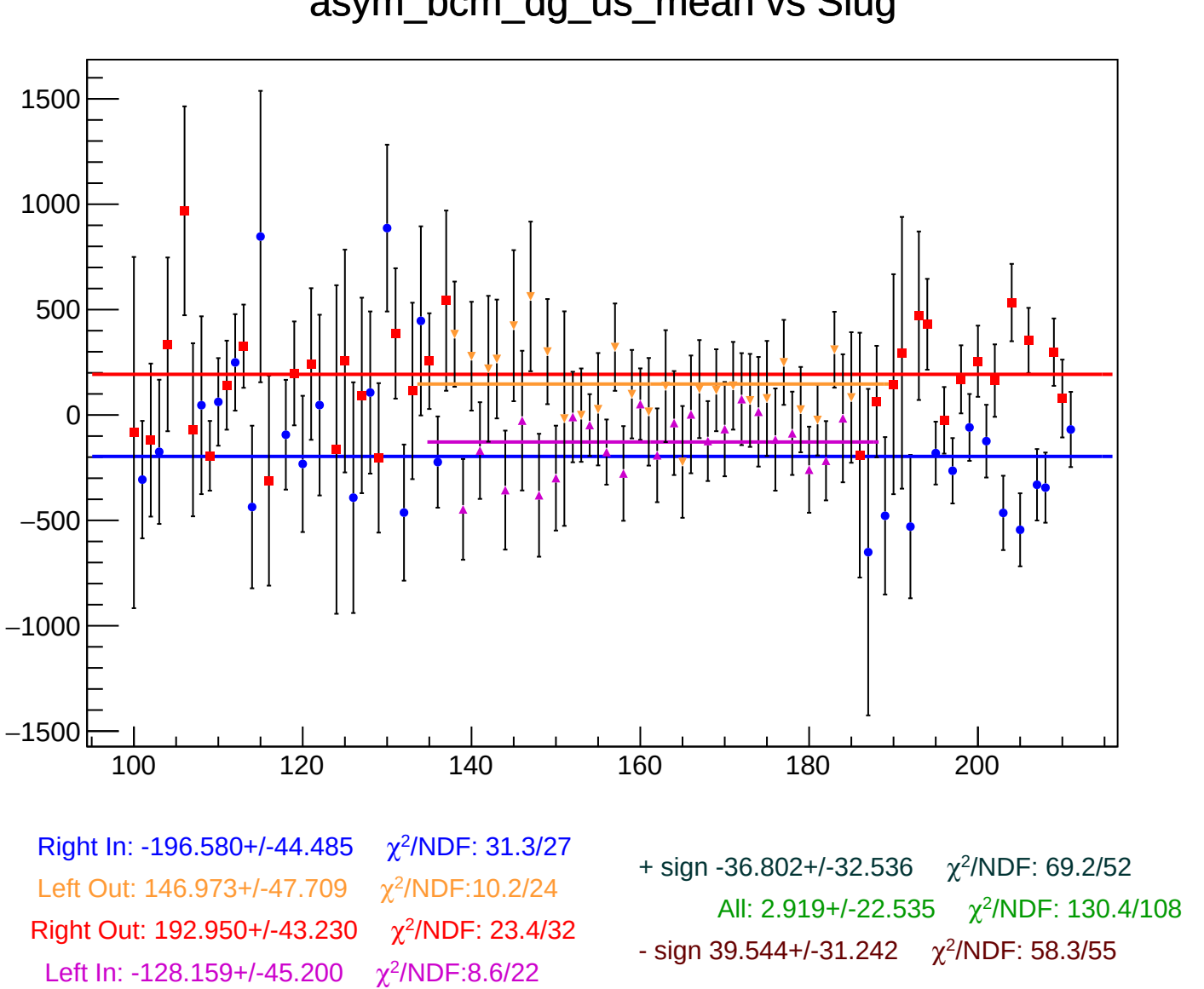
Right Out: 168.977+/-0.030 χ^2/NDF: 2963074.0/32

Left In: 179.256+/-0.031 χ^2/NDF:1656023.5/22

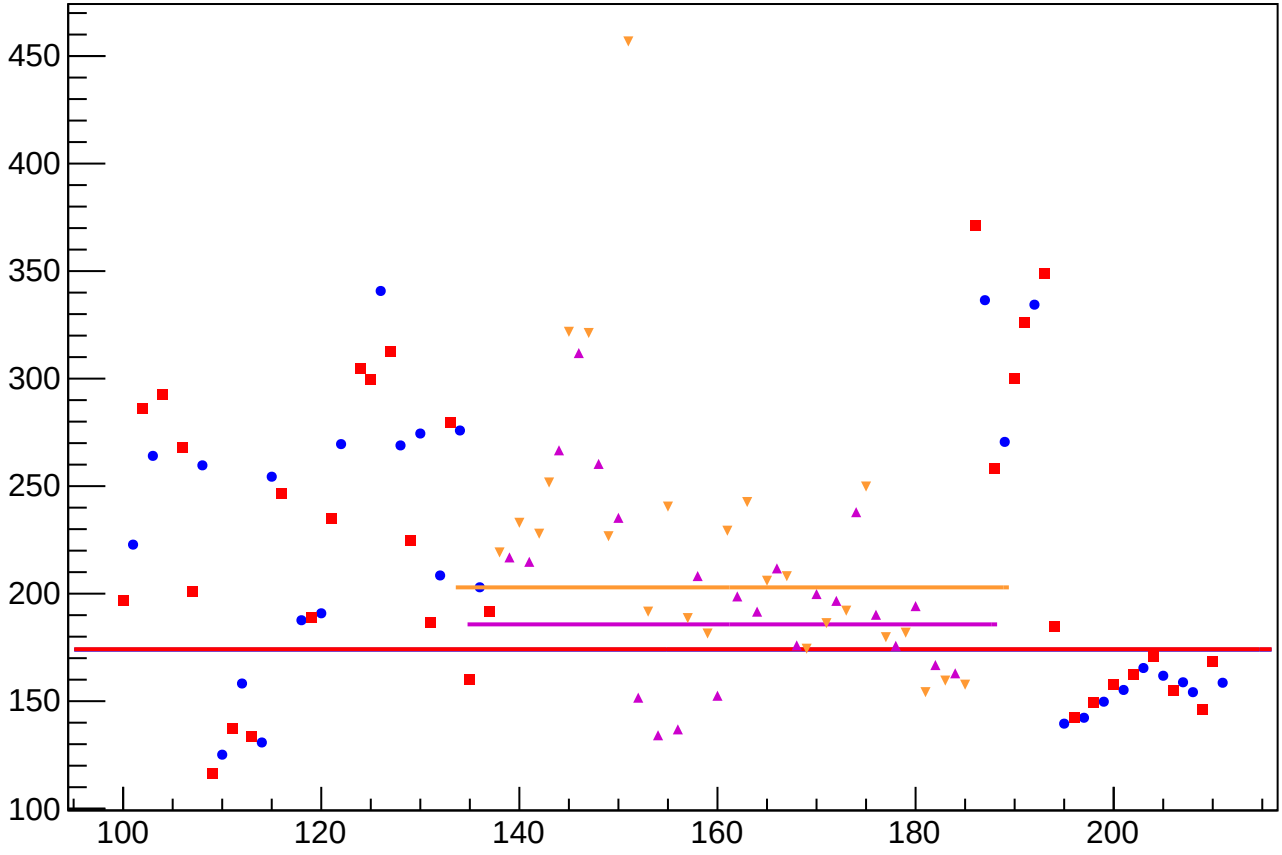
+ sign 182.388+/-0.022 χ^2/NDF: 4435129.0/52

All: 177.965+/-0.016 χ^2/NDF: 9185974.1/108

- sign 173.917+/-0.021 χ^2/NDF: 4676366.1/55


asym_bcm_dg_us_mean vs Slug
1500
1000
500
0
−500
−1000
−1500
100
120
140
160
180
200
Right In: -196.580+/-44.485 χ²/NDF: 31.3/27
Left Out: 146.973+/-47.709 χ²/NDF:10.2/24
Right Out: 192.950+/-43.230 χ²/NDF: 23.4/32
Left In: -128.159+/-45.200 χ²/NDF:8.6/22
+ sign -36.802+/-32.536 χ²/NDF: 69.2/52
All: 2.919+/-22.535 χ²/NDF: 130.4/108
- sign 39.544+/-31.242 χ²/NDF: 58.3/55

asym_bcm_dg_us_rms vs Slug



Right In: 173.961+/-0.031 χ^2/NDF: 2164535.6/27

Left Out: 202.920+/-0.034 χ^2/NDF:1700115.2/24

Right Out: 174.162+/-0.031 χ^2/NDF: 2758543.1/32

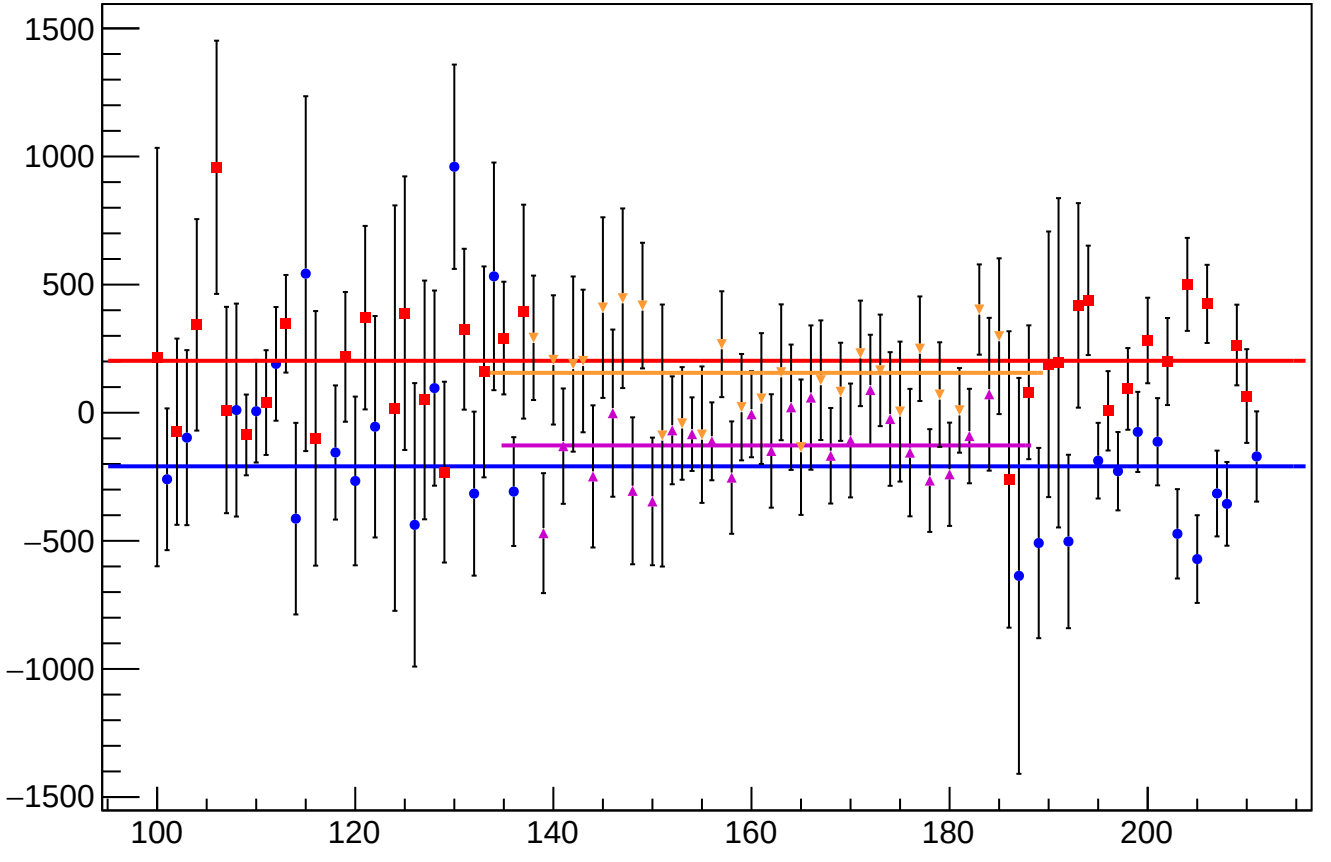
Left In: 185.716+/-0.032 χ^2/NDF:1489487.2/22

+ sign 187.429+/-0.023 χ^2/NDF: 4258829.7/52

All: 183.398+/-0.016 χ^2/NDF: 8634116.4/108

- sign 179.682+/-0.022 χ^2/NDF: 4316280.8/55

asym_bcm_dg_ds_mean vs Slug



Right In: -209.217+/-43.906 χ^2/NDF: 29.8/27

Left Out: 155.646+/-47.263 χ^2/NDF:10.7/24

Right Out: 202.729+/-42.568 χ^2/NDF: 21.0/32

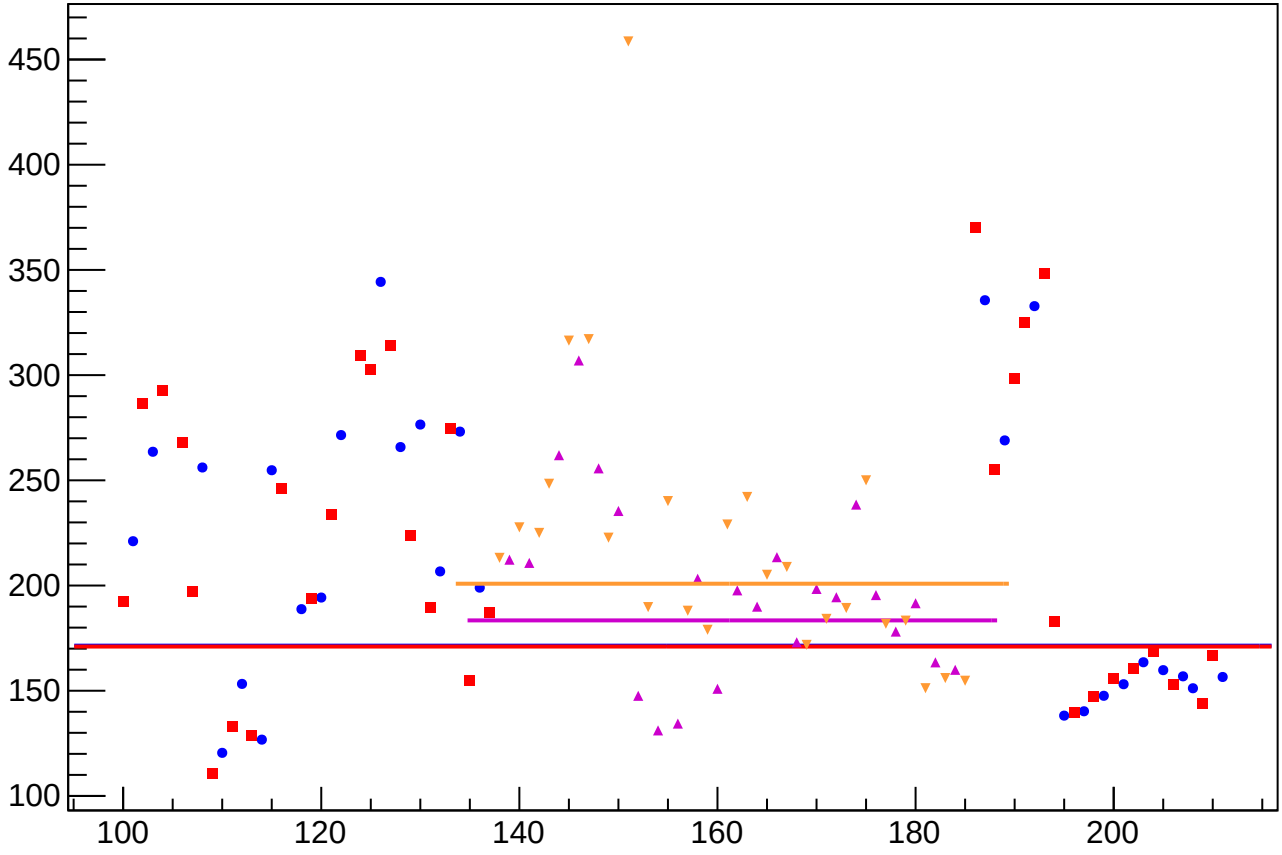
Left In: -127.660+/-44.698 χ^2/NDF:8.0/22

+ sign -40.205+/-32.168 χ^2/NDF: 72.5/52

All: 4.520+/-22.256 χ^2/NDF: 133.8/108

- sign 45.592+/-30.826 χ^2/NDF: 57.6/55

asym_bcm_dg_ds_rms vs Slug



Right In: 171.428+/-0.031 χ^2/NDF: 2250041.3/27

Left Out: 200.865+/-0.033 χ^2/NDF:1727404.3/24

Right Out: 171.002+/-0.030 χ^2/NDF: 2926560.0/32

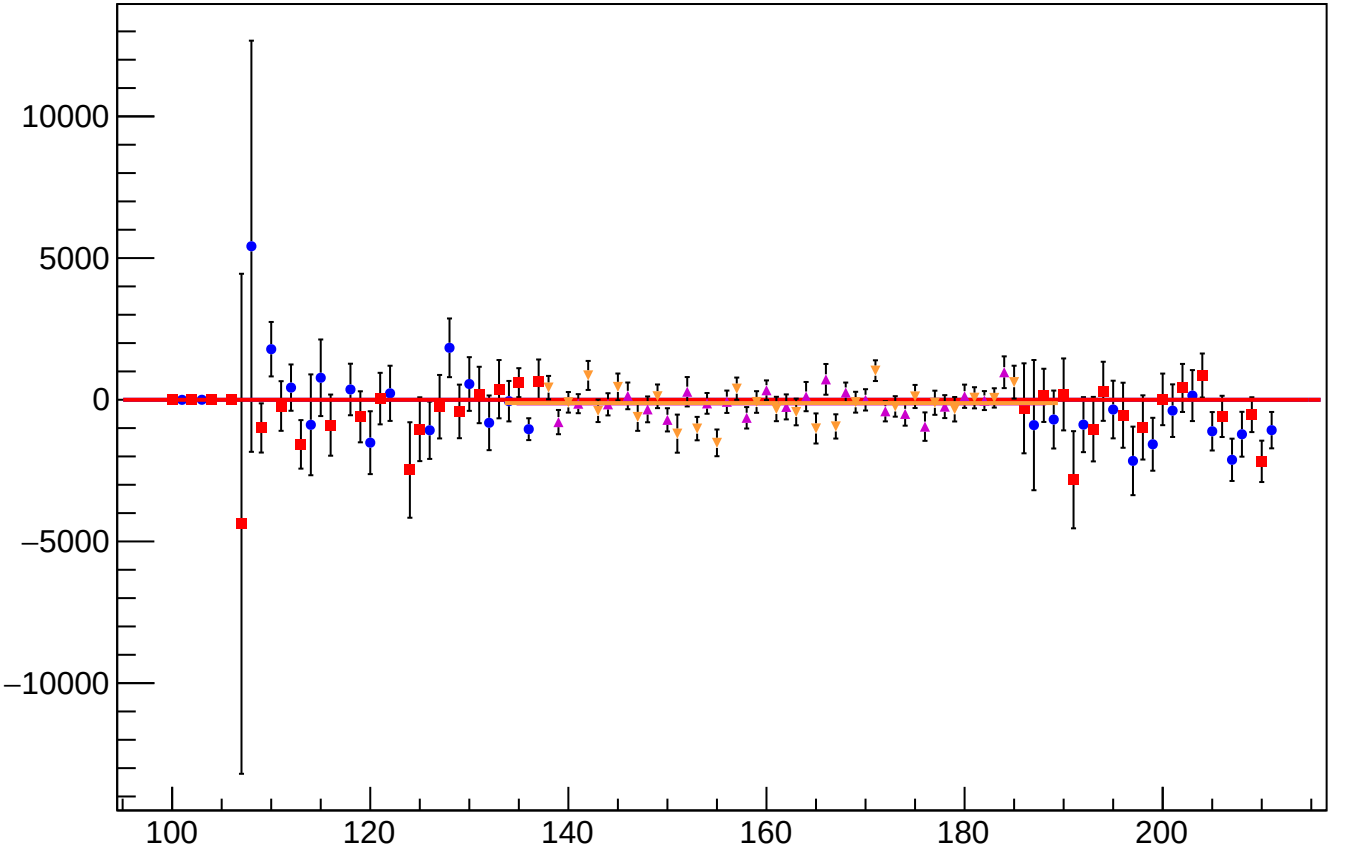
Left In: 183.433+/-0.032 χ^2/NDF:1530678.8/22

+ sign 185.064+/-0.023 χ^2/NDF: 4393876.8/52

All: 180.816+/-0.016 χ^2/NDF: 8999143.9/108

- sign 176.915+/-0.022 χ^2/NDF: 4538355.5/55

asym_cav4bQ_mean vs Slug



Right In: -1.316+/-2.171 χ^2/NDF: 43.5/27

Left Out: -117.658+/-84.207 χ^2/NDF:46.4/24

Right Out: -1.406+/-2.022 χ^2/NDF: 33.2/32

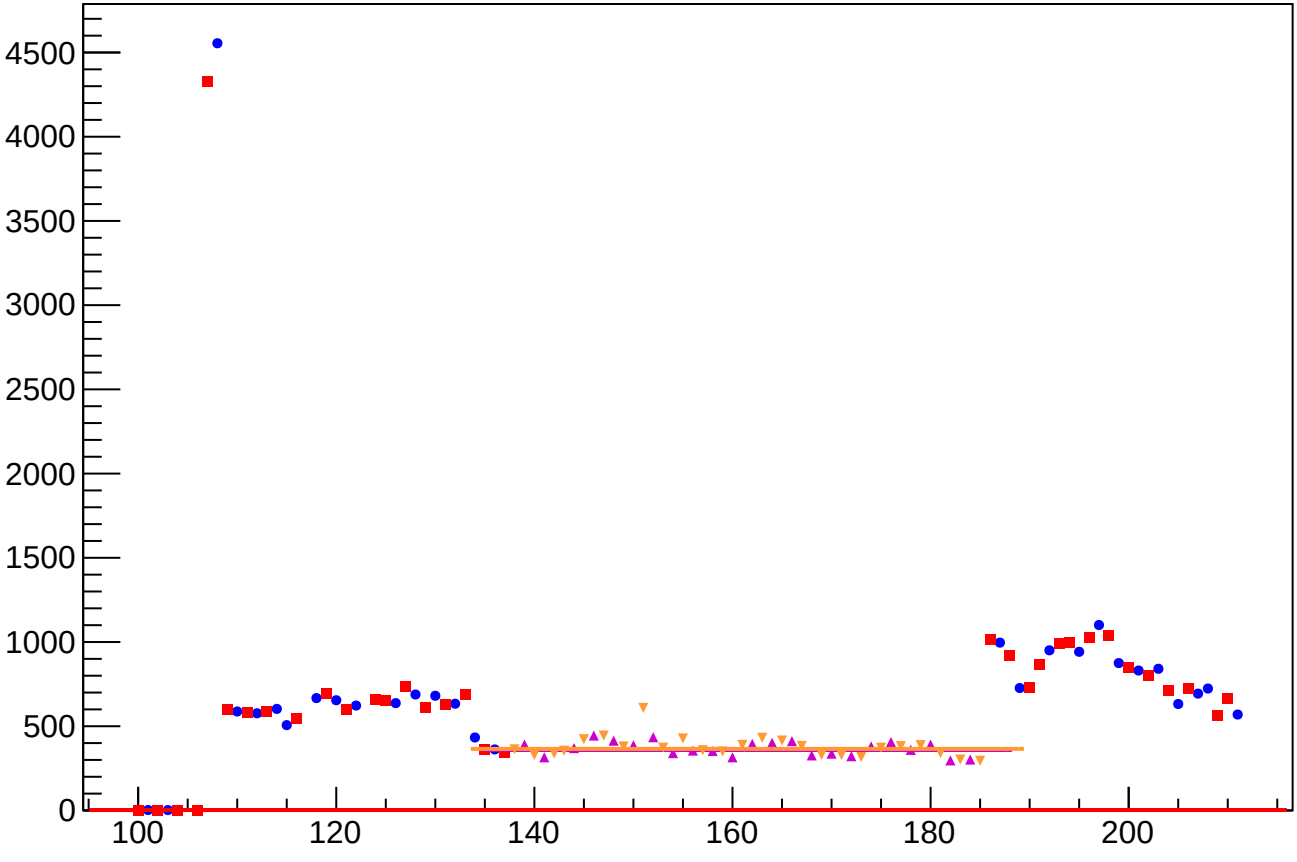
Left In: -129.738+/-85.075 χ^2/NDF:21.7/22

+ sign -1.393+/-2.170 χ^2/NDF: 91.8/52

All: -1.439+/-1.479 χ^2/NDF: 149.0/108

- sign -1.479+/-2.022 χ^2/NDF: 57.2/55

asym_cav4bQ_rms vs Slug



Right In: 2.532+/-0.002 χ^2/NDF: 30005833.1/27

Left Out: 365.603+/-0.060 χ^2/NDF:668124.0/24

Right Out: 2.515+/-0.001 χ^2/NDF: 32447695.6/32

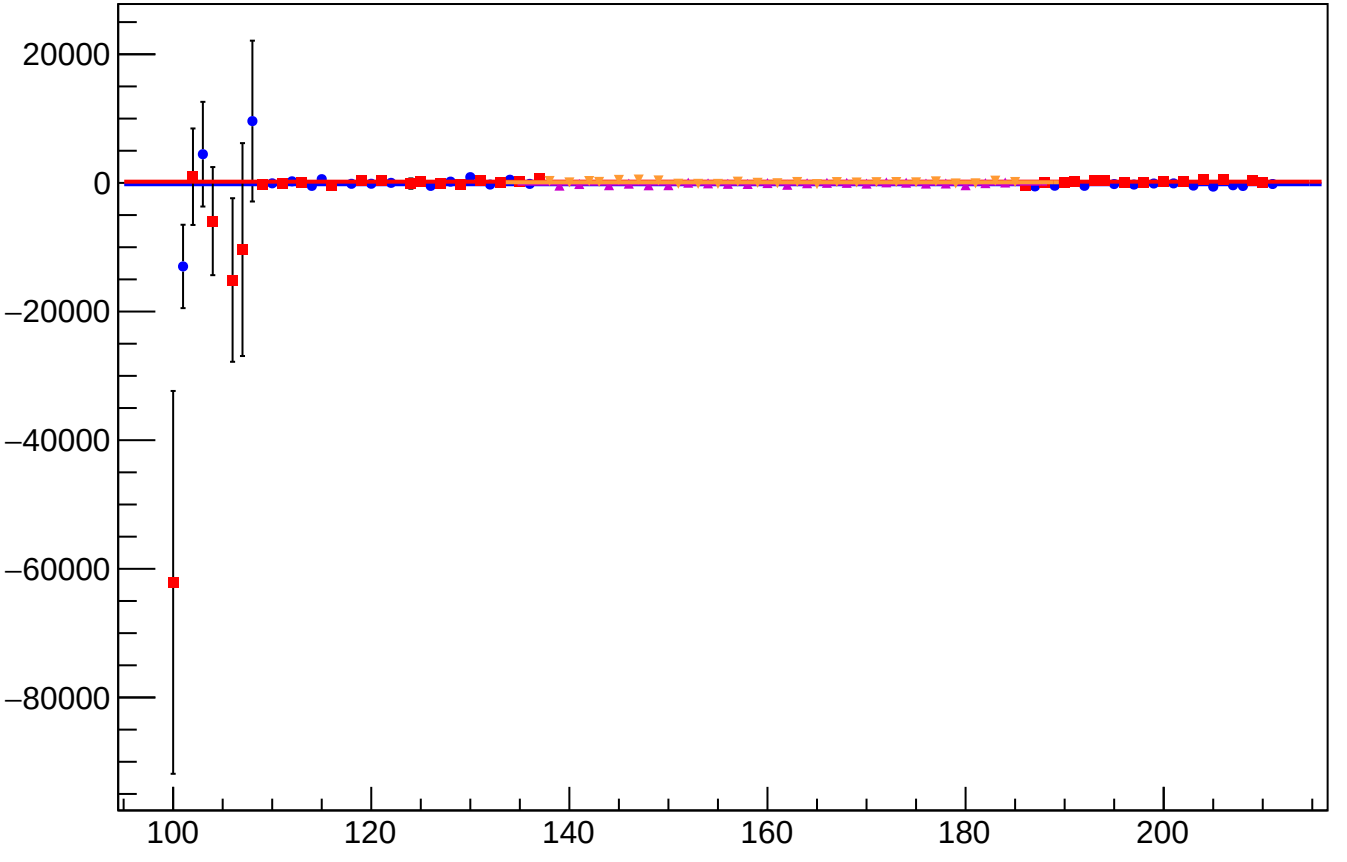
Left In: 359.024+/-0.060 χ^2/NDF:446263.1/22

+ sign 2.773+/-0.002 χ^2/NDF: 67829502.6/52

All: 2.742+/-0.001 χ^2/NDF: 135825702.1/108

- sign 2.716+/-0.001 χ^2/NDF: 67995464.8/55

asym_cav4cQ_mean vs Slug



Right In: -207.456+/-47.863 χ^2/NDF: 33.2/27

Left Out: 99.601+/-48.250 χ^2/NDF:12.7/24

Right Out: 191.326+/-46.888 χ^2/NDF: 25.8/32

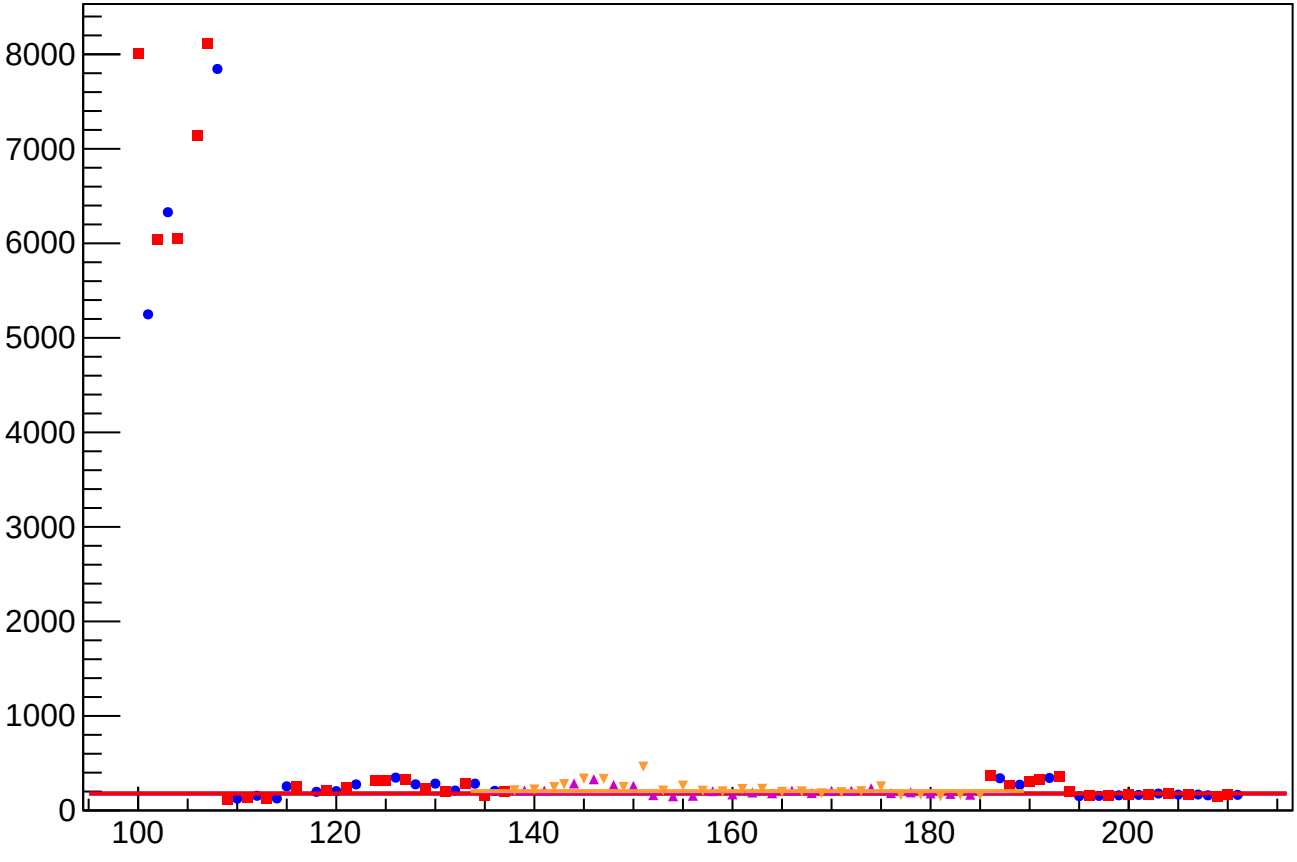
Left In: -119.345+/-46.957 χ^2/NDF:9.3/22

+ sign -55.164+/-33.980 χ^2/NDF: 66.4/52

All: -8.382+/-23.739 χ^2/NDF: 127.0/108

- sign 36.219+/-33.179 χ^2/NDF: 57.0/55

asym_cav4cQ_rms vs Slug



Right In: 178.893+/-0.034 χ^2/NDF: 4888148.8/27

Left Out: 204.581+/-0.034 χ^2/NDF:1975114.7/24

Right Out: 179.613+/-0.033 χ^2/NDF: 5596331.1/32

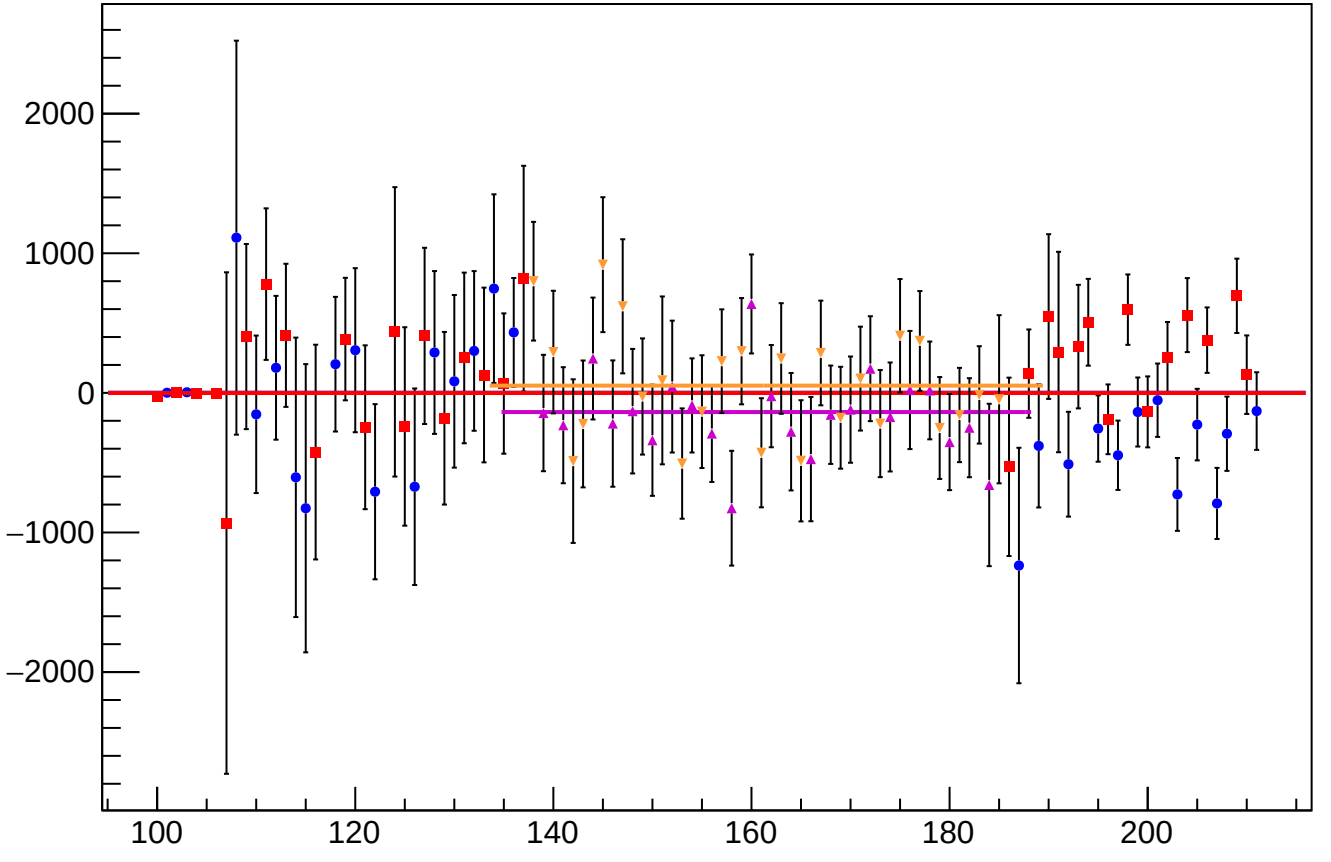
Left In: 193.895+/-0.033 χ^2/NDF:1191589.3/22

+ sign 191.633+/-0.024 χ^2/NDF: 7149001.6/52

All: 189.130+/-0.017 χ^2/NDF: 14050777.4/10

- sign 186.743+/-0.023 χ^2/NDF: 6880572.4/55

asym_cav4dQ_mean vs Slug



Right In: 1.306+/-1.660 χ^2/NDF: 37.2/27

Left Out: 51.829+/-81.555 χ^2/NDF:19.4/24

Right Out: -0.992+/-1.528 χ^2/NDF: 35.8/32

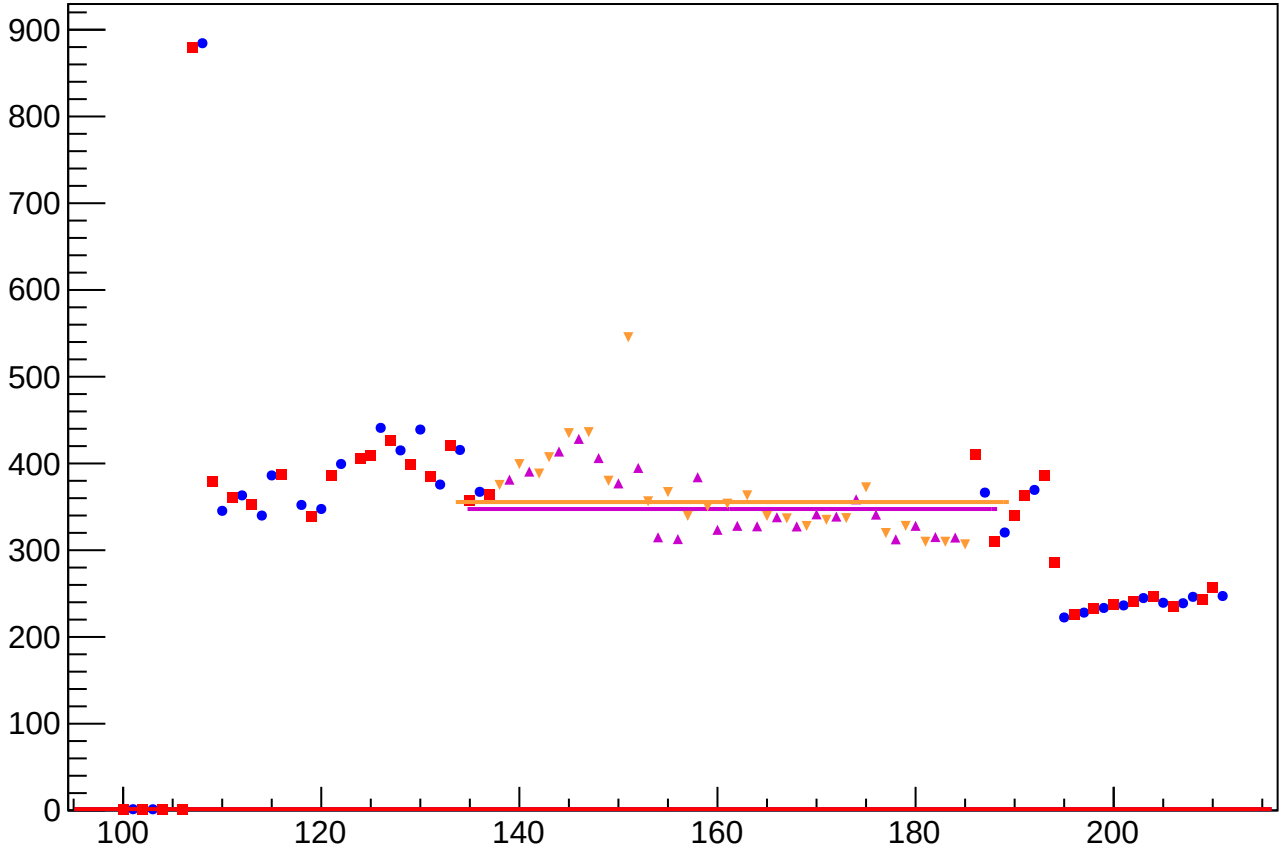
Left In: -137.399+/-82.111 χ^2/NDF:12.2/22

+ sign 1.326+/-1.660 χ^2/NDF: 57.0/52

All: 0.046+/-1.124 χ^2/NDF: 108.9/108

- sign -1.039+/-1.527 χ^2/NDF: 50.8/55

asym_cav4dQ_rms vs Slug



Right In: 1.572+/-0.001 χ^2/NDF: 30280640.9/27

Left Out: 355.535+/-0.058 χ^2/NDF:528878.5/24

Right Out: 1.560+/-0.001 χ^2/NDF: 32140127.0/32

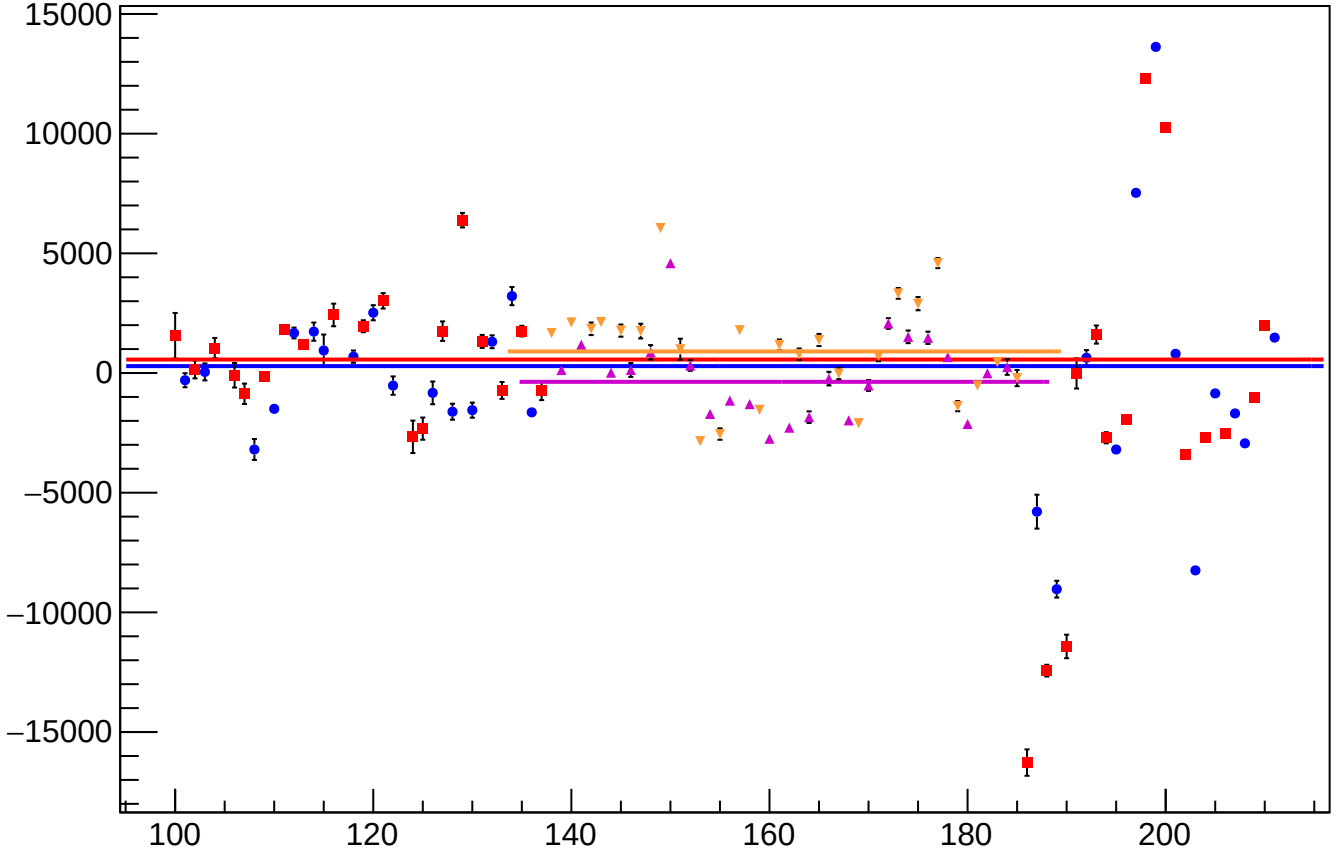
Left In: 347.484+/-0.058 χ^2/NDF:344530.3/22

\+ sign 1.719+/-0.001 χ^2/NDF: 68468187.7/52

All: 1.697+/-0.001 χ^2/NDF: 136438070.9/108

\- sign 1.679+/-0.001 χ^2/NDF: 67969270.1/55

asym_bcm0l02_mean vs Slug



Right In: 287.968+/-45.814 χ^2/NDF: 11876.3/27

Left Out: 901.476+/-44.481 χ^2/NDF:2411.0/24

Right Out: 563.567+/-44.224 χ^2/NDF: 13866.6/32

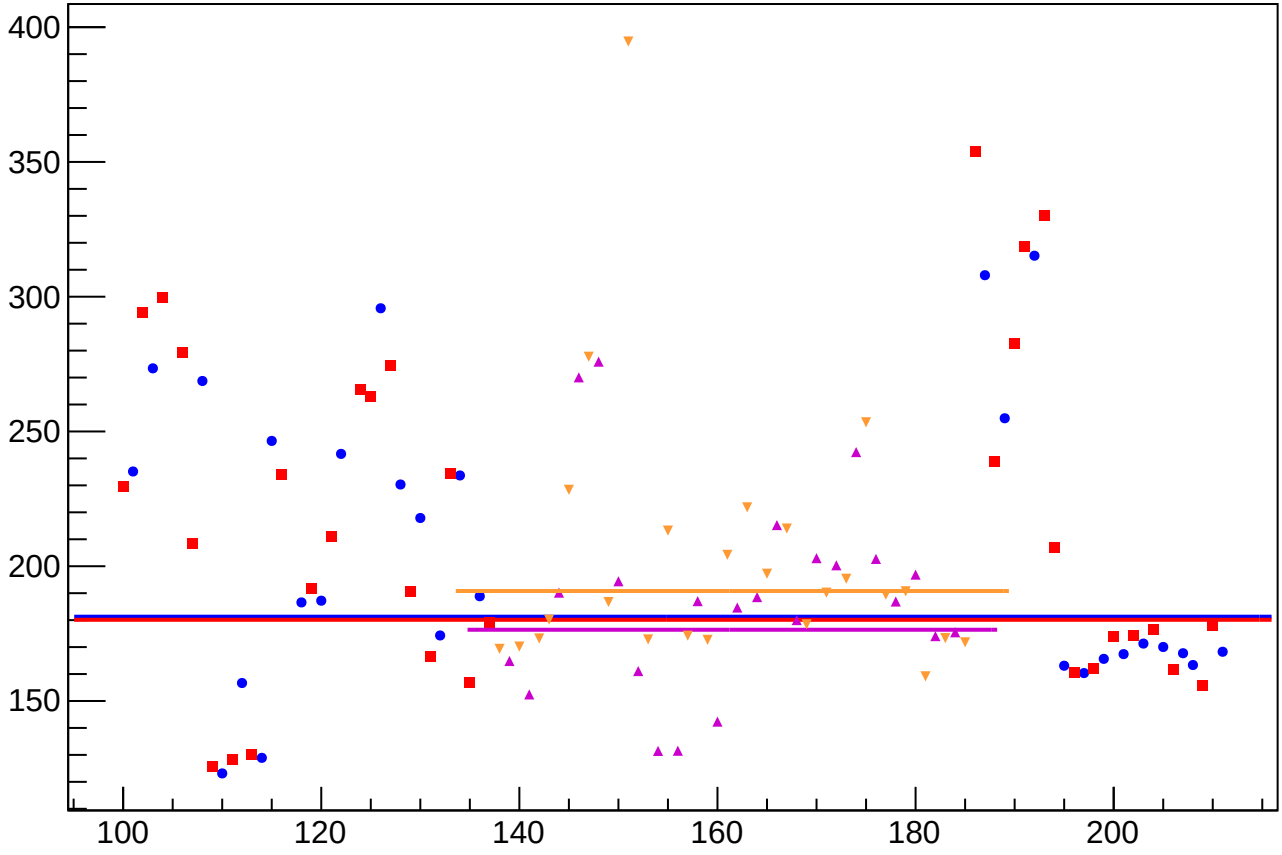
Left In: -368.252+/-42.700 χ^2/NDF:1593.0/22

+ sign 603.778+/-31.914 χ^2/NDF: 14379.5/52

All: 332.578+/-22.132 χ^2/NDF: 30208.0/108

- sign 81.322+/-30.718 χ^2/NDF: 15689.3/55

asym_bcm0l02_rms vs Slug



Right In: 181.274+/-0.032 χ^2/NDF: 1439096.4/27

Left Out: 190.801+/-0.031 χ^2/NDF:1019598.1/24

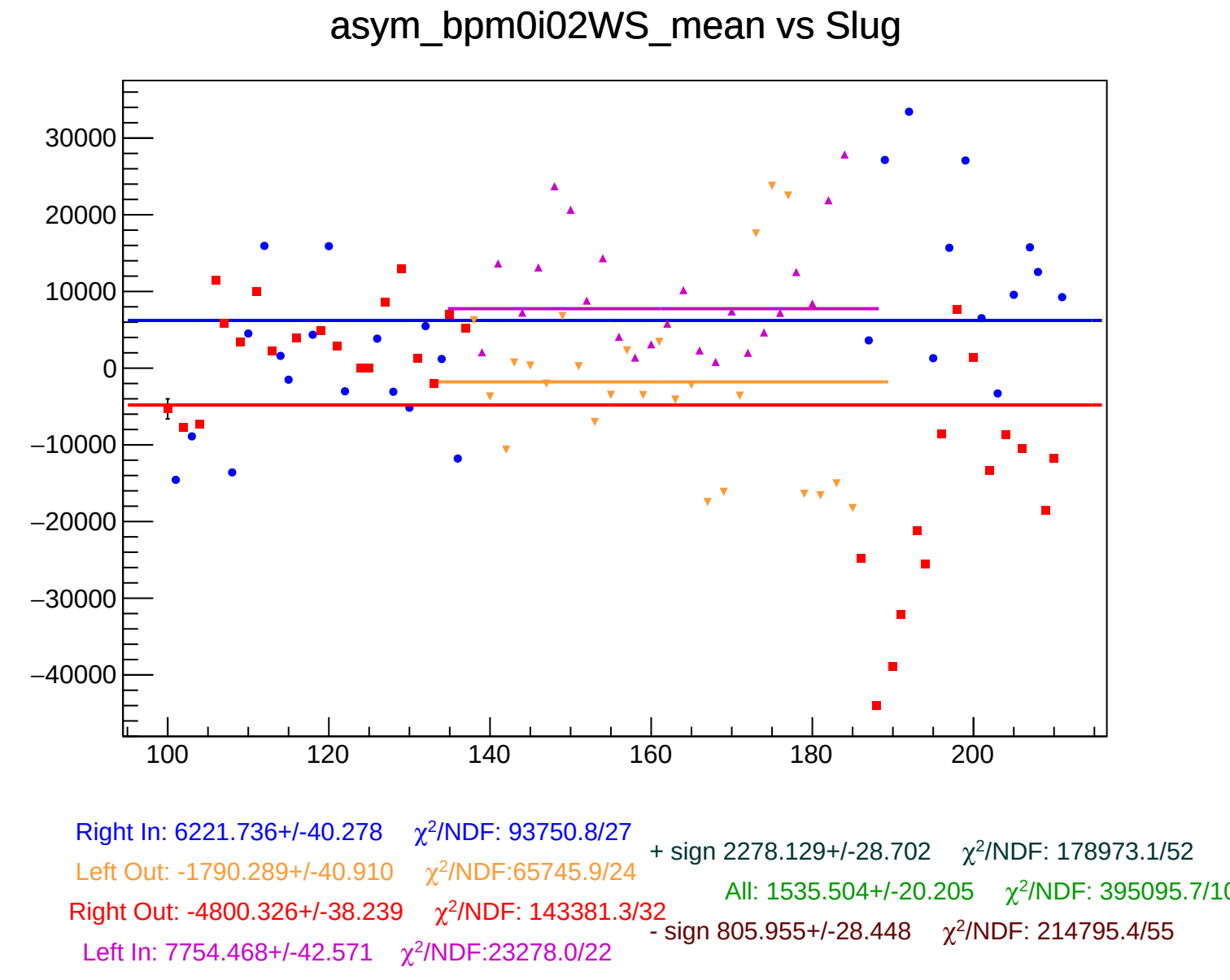
Right Out: 180.127+/-0.031 χ^2/NDF: 2185788.1/32

Left In: 176.431+/-0.030 χ^2/NDF:1257661.0/22

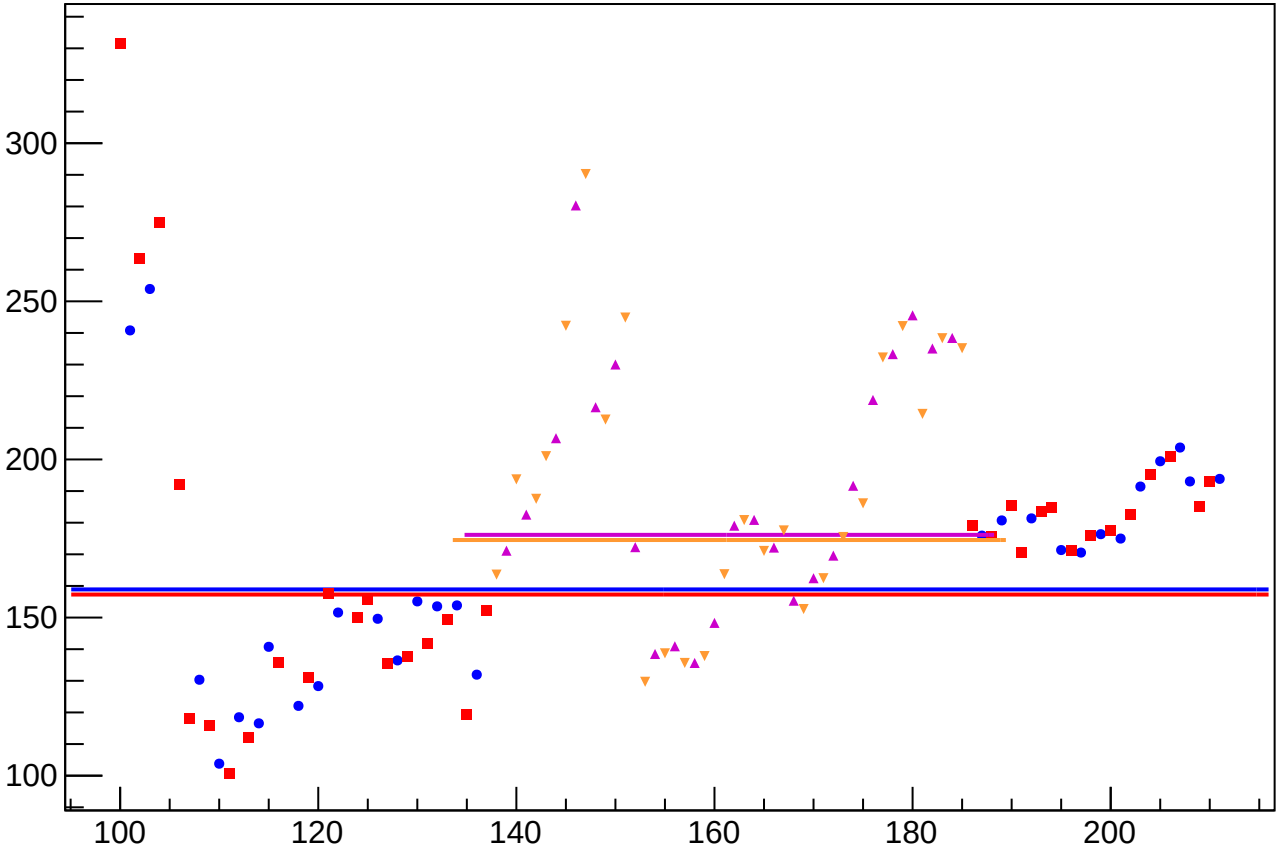
+ sign 186.178+/-0.023 χ^2/NDF: 2503212.5/52

All: 182.044+/-0.016 χ^2/NDF: 6018539.8/108

- sign 178.214+/-0.022 χ^2/NDF: 3450676.0/55


asym_bpm0i02WS_mean vs Slug
30000
20000
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
Right In: 6221.736+/-40.278 χ²/NDF: 93750.8/27
Left Out: -1790.289+/-40.910 χ²/NDF:65745.9/24
Right Out: -4800.326+/-38.239 χ²/NDF: 143381.3/32
Left In: 7754.468+/-42.571 χ²/NDF:23278.0/22
+ sign 2278.129+/-28.702 χ²/NDF: 178973.1/52
All: 1535.504+/-20.205 χ²/NDF: 395095.7/10
- sign 805.955+/-28.448 χ²/NDF: 214795.4/55

asym_bpm0i02WS_rms vs Slug



Right In: 158.901+/-0.028 χ^2/NDF: 1344142.7/27

Left Out: 174.520+/-0.029 χ^2/NDF:1659469.6/24

Right Out: 157.280+/-0.027 χ^2/NDF: 1712288.9/32

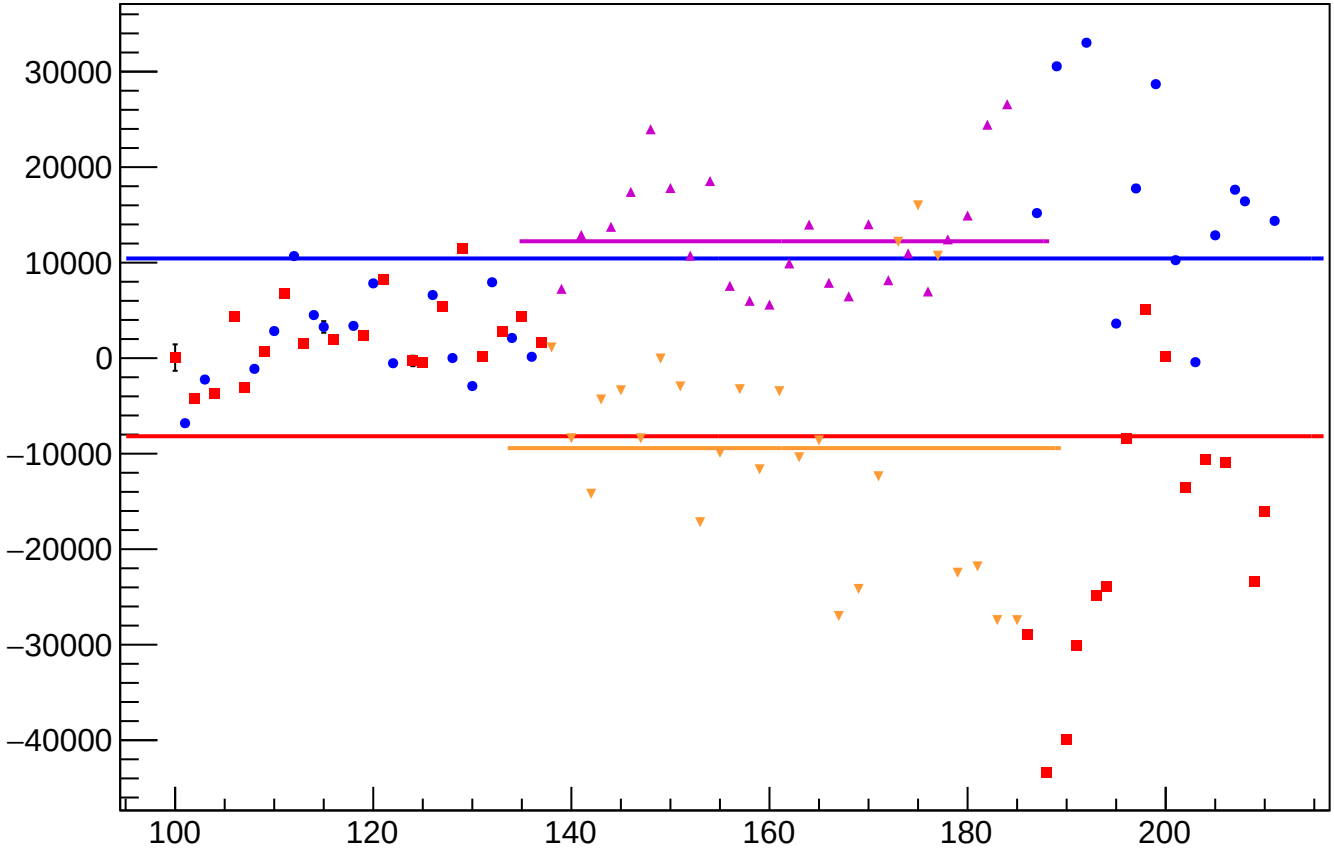
Left In: 176.155+/-0.030 χ^2/NDF:1367059.2/22

+ sign 166.589+/-0.020 χ^2/NDF: 3151653.6/52

All: 166.145+/-0.014 χ^2/NDF: 6449536.1/108

- sign 165.708+/-0.020 χ^2/NDF: 3296932.6/55

asym_bpm0i02aWS_mean vs Slug



Right In: 10437.624+/-44.658 χ^2/NDF: 54209.9/27

Left Out: -9420.181+/-45.698 χ^2/NDF:64719.0/24

Right Out: -8175.200+/-42.178 χ^2/NDF: 114621.7/32

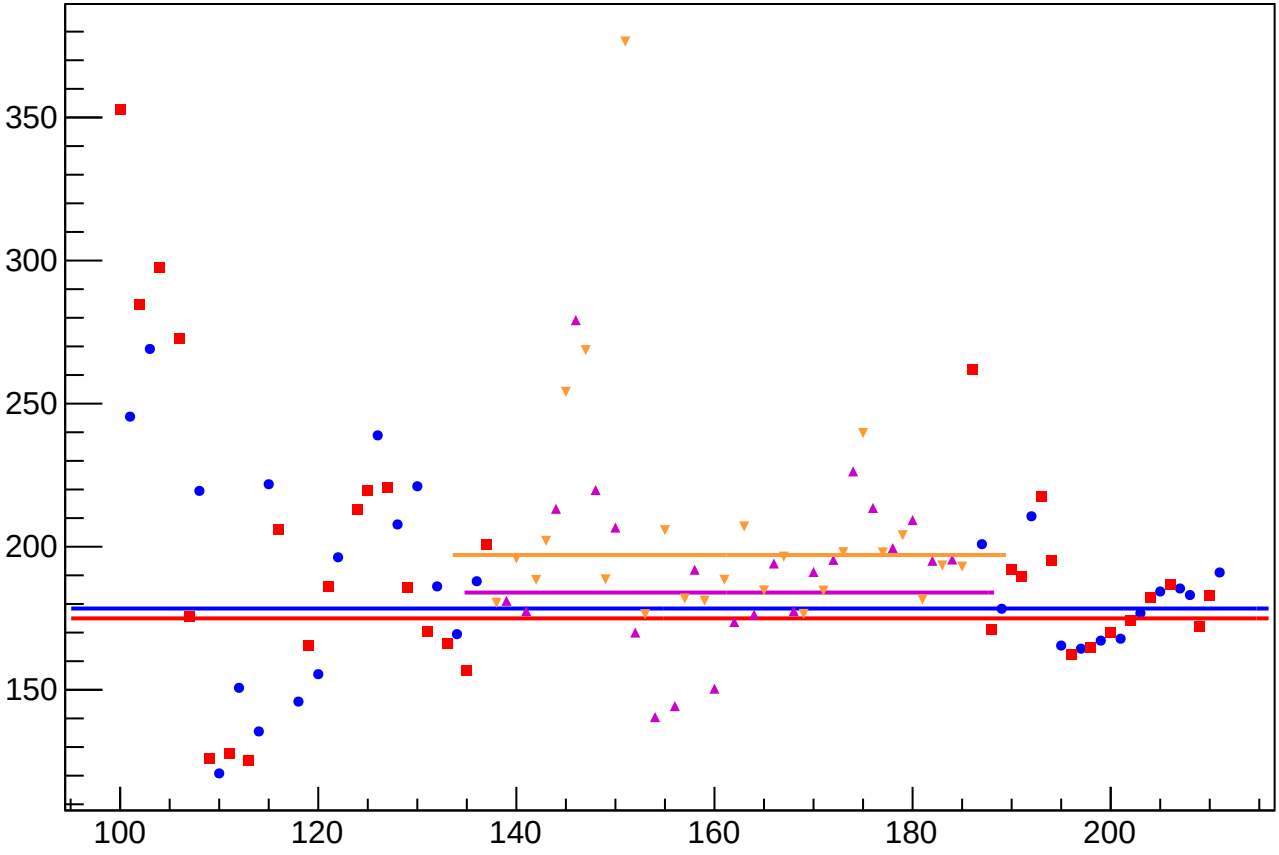
Left In: 12238.678+/-44.195 χ^2/NDF:16015.8/22

+ sign 737.175+/-31.939 χ^2/NDF: 215516.1/52

All: 1164.927+/-22.063 χ^2/NDF: 458153.7/10

- sign 1555.315+/-30.513 χ^2/NDF: 242294.6/55

asym_bpm0i02aWS_rms vs Slug



Right In: 178.406+/-0.032 χ^2/NDF: 774400.0/27

Left Out: 197.122+/-0.032 χ^2/NDF:732529.8/24

Right Out: 174.958+/-0.030 χ^2/NDF: 1209840.5/32

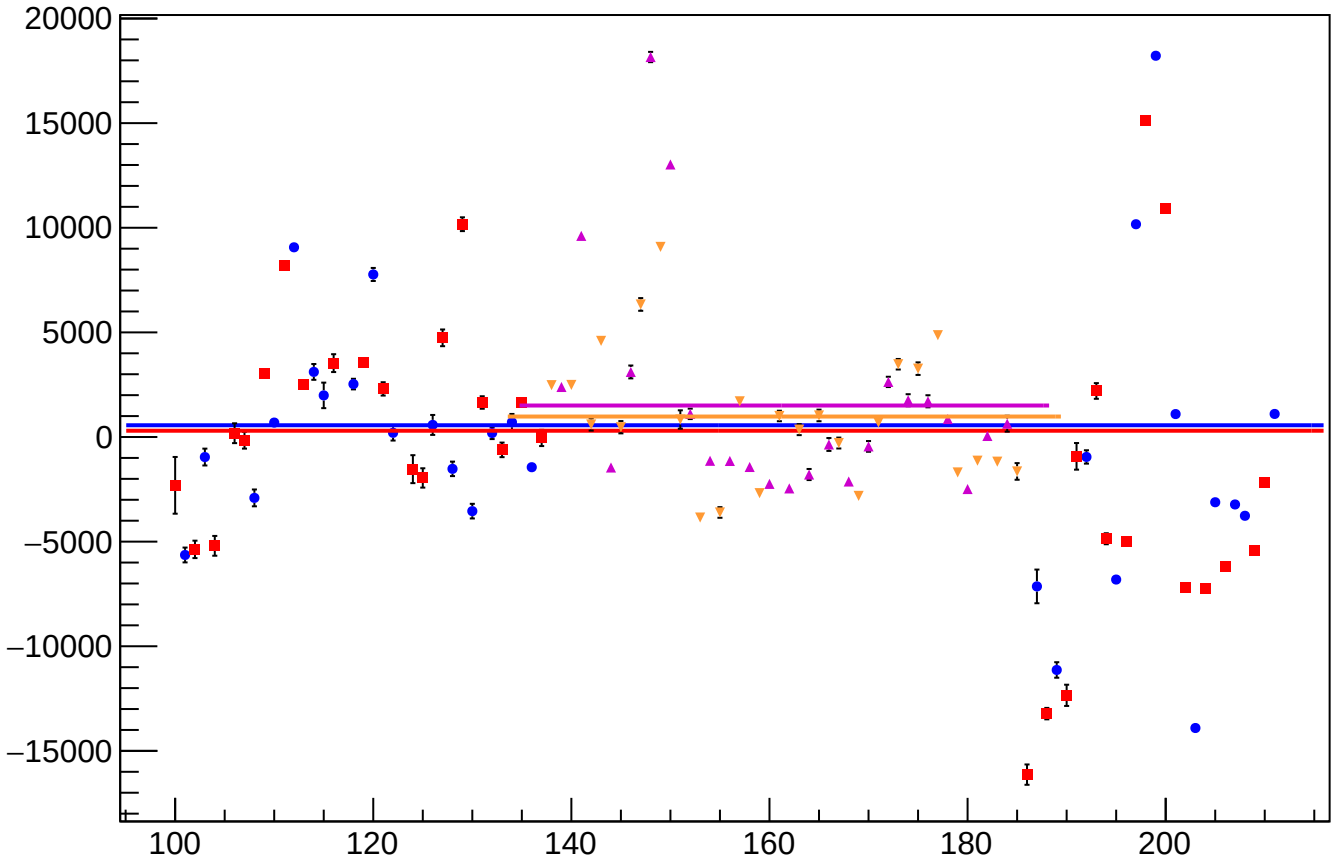
Left In: 183.985+/-0.031 χ^2/NDF:829778.1/22

+ sign 187.549+/-0.023 χ^2/NDF: 1678532.9/52

All: 183.216+/-0.016 χ^2/NDF: 3832225.1/108

- sign 179.261+/-0.022 χ^2/NDF: 2083286.4/55

asym_bpm0i05WS_mean vs Slug



Right In: 561.544+/-50.175 χ^2/NDF: 21462.3/27

Left Out: 978.429+/-49.607 χ^2/NDF:4322.9/24

Right Out: 300.524+/-47.469 χ^2/NDF: 21944.7/32

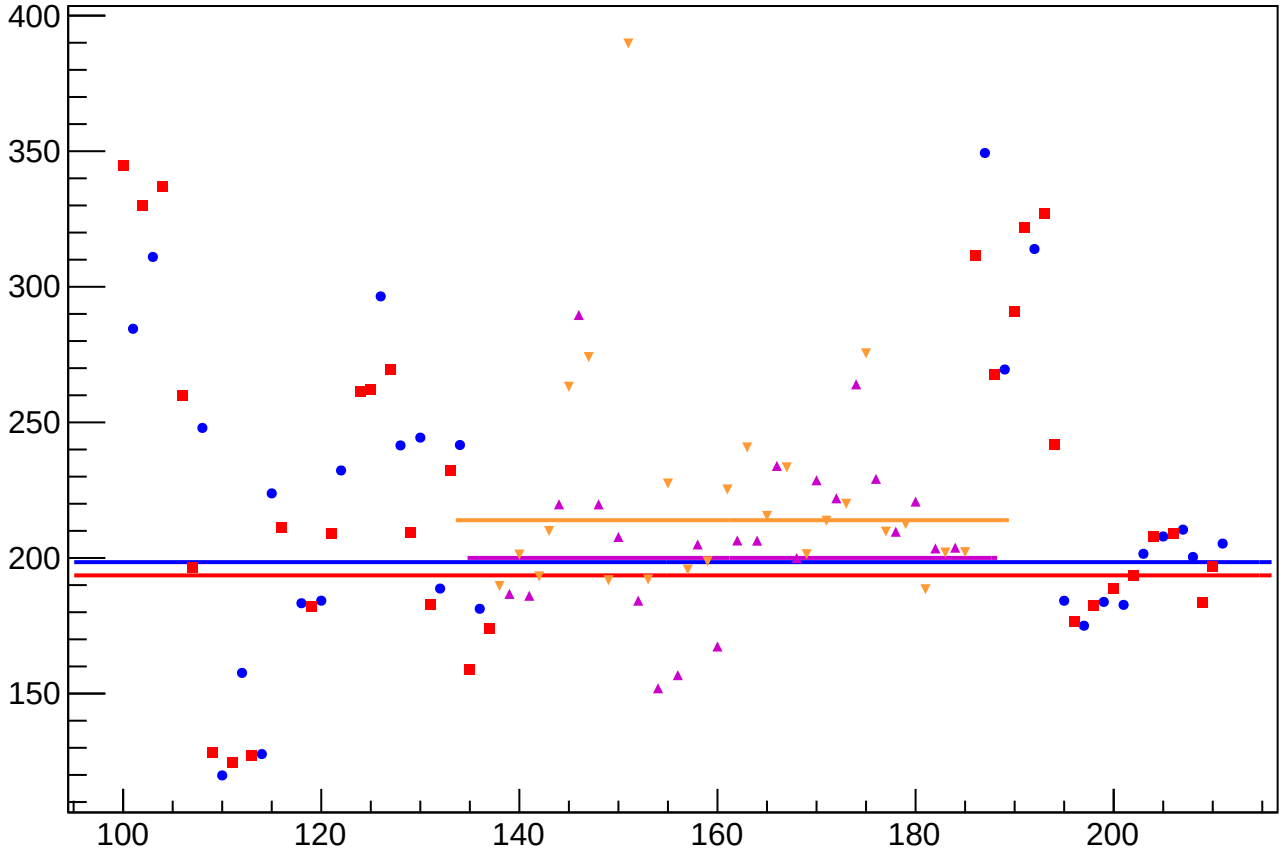
Left In: 1505.093+/-48.051 χ^2/NDF:11480.6/22

+ sign 772.362+/-35.277 χ^2/NDF: 25820.2/52

All: 836.602+/-24.394 χ^2/NDF: 59569.8/108

- sign 895.470+/-33.769 χ^2/NDF: 33743.3/55

asym_bpm0i05WS_rms vs Slug



Right In: 198.470+/-0.035 χ^2/NDF: 1453561.2/27

Left Out: 213.931+/-0.035 χ^2/NDF:733638.6/24

Right Out: 193.586+/-0.034 χ^2/NDF: 2259810.6/32

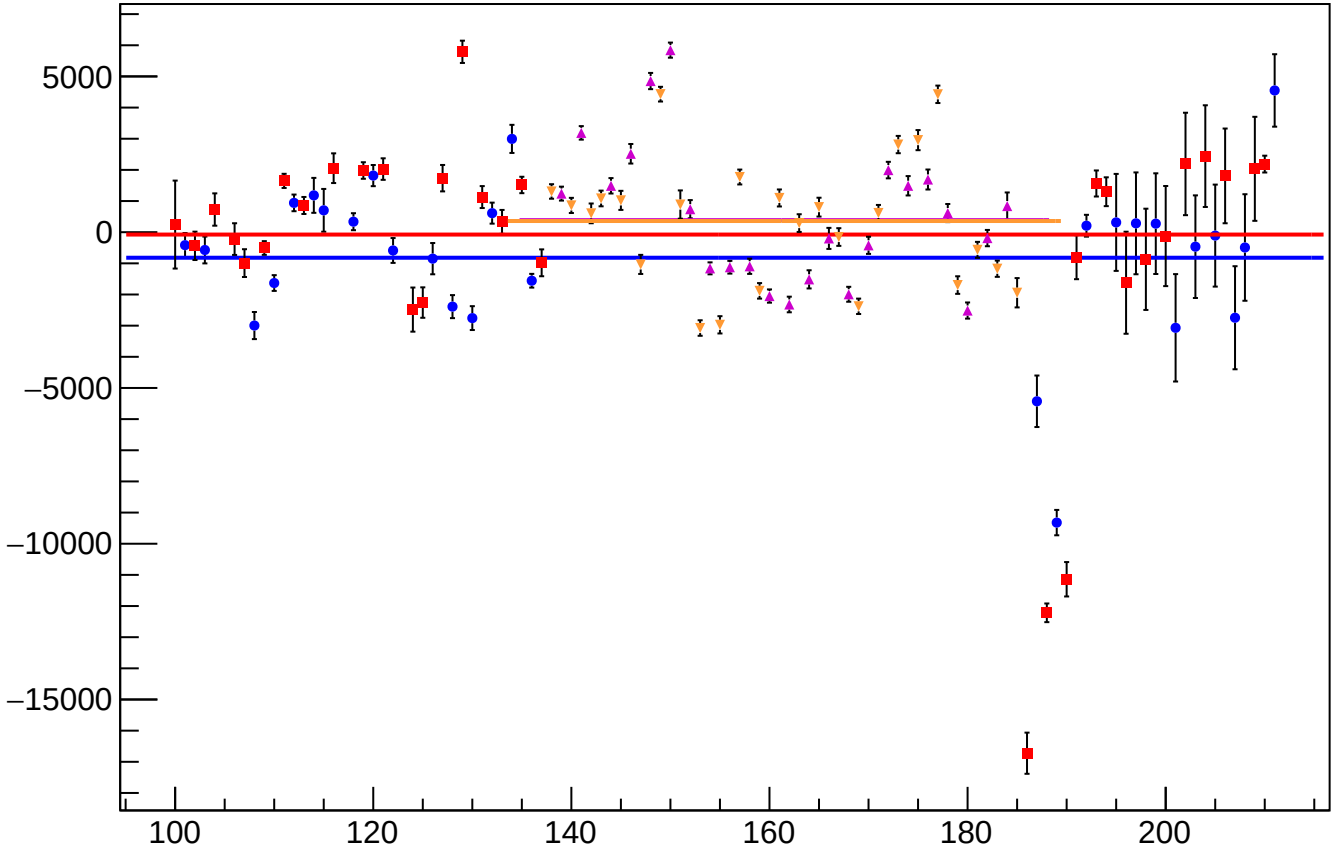
Left In: 200.031+/-0.034 χ^2/NDF:785525.4/22

+ sign 206.289+/-0.025 χ^2/NDF: 2283234.3/52

All: 201.321+/-0.017 χ^2/NDF: 5422780.1/108

- sign 196.769+/-0.024 χ^2/NDF: 3063544.5/55

asym_bpm0i07WS_mean vs Slug



Right In: -819.767+/-80.998 χ^2/NDF: 822.5/27

Left Out: 358.680+/-54.992 χ^2/NDF:1418.9/24

Right Out: -76.020+/-71.042 χ^2/NDF: 3353.0/32

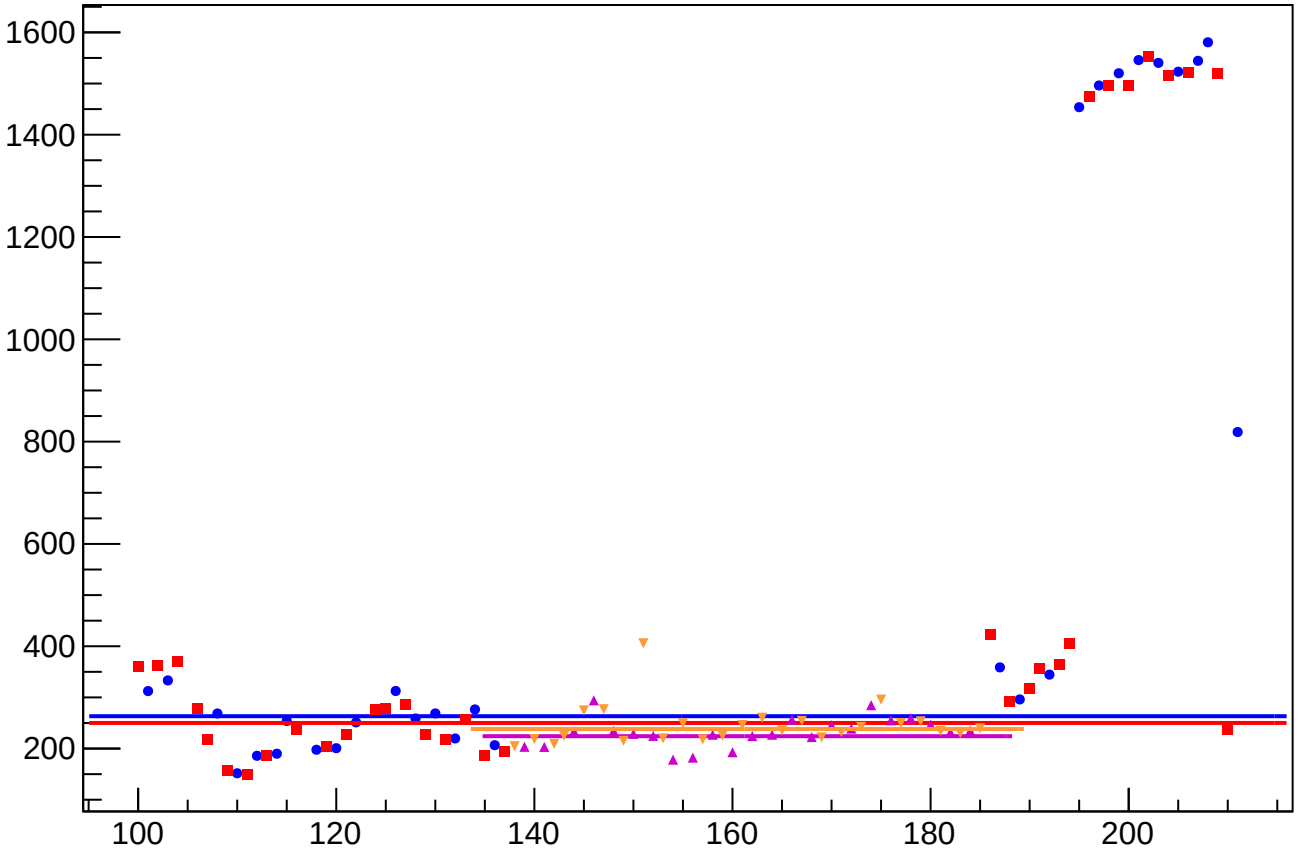
Left In: 386.941+/-53.528 χ^2/NDF:1804.2/22

+ sign -13.131+/-45.497 χ^2/NDF: 2386.2/52

All: 110.302+/-31.155 χ^2/NDF: 7584.4/108

- sign 219.287+/-42.751 χ^2/NDF: 5184.3/55

asym_bpm0i07WS_rms vs Slug



Right In: 263.278+/-0.057 χ^2/NDF: 11052634.4/27

Left Out: 238.199+/-0.039 χ^2/NDF:567935.3/24

Right Out: 250.091+/-0.050 χ^2/NDF: 10529777.9/32

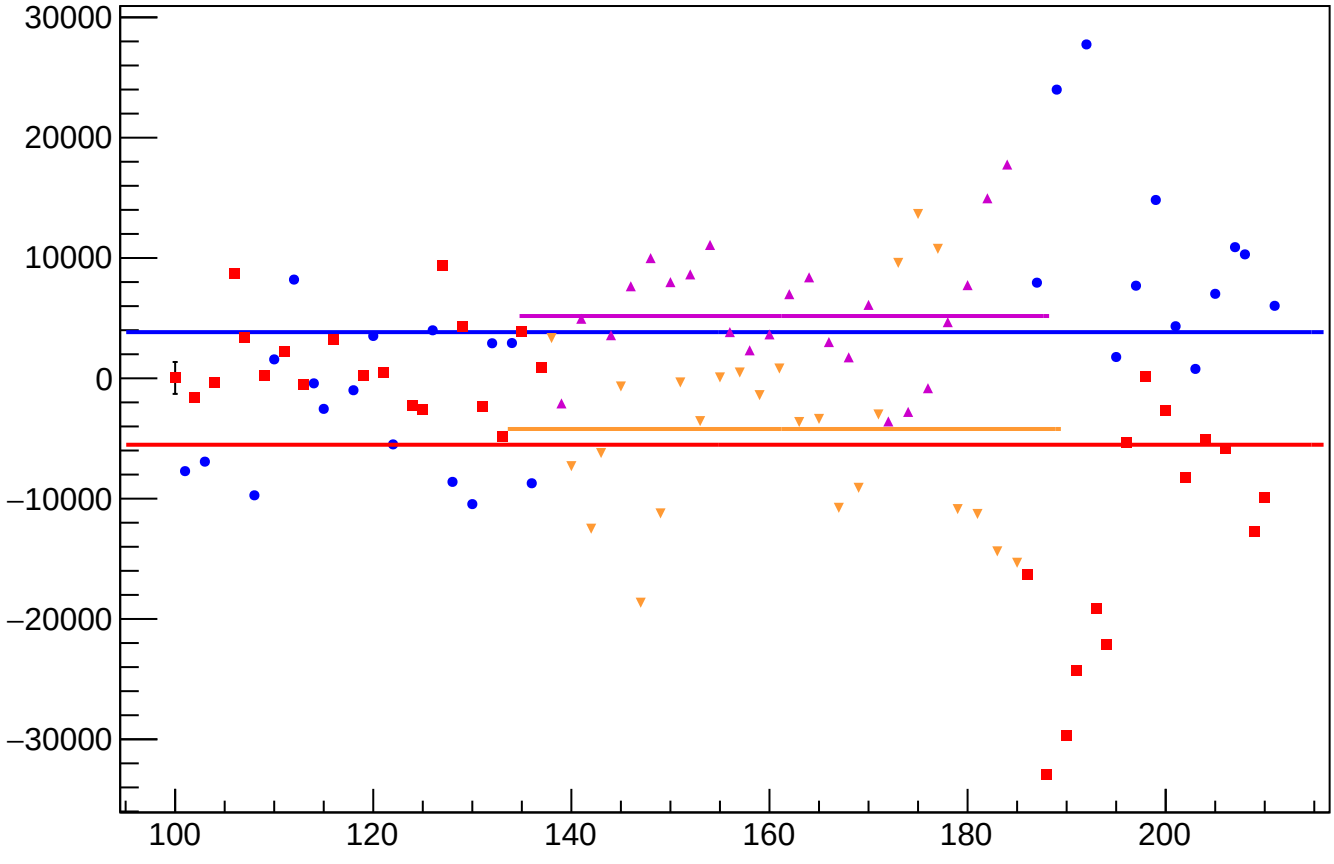
Left In: 224.212+/-0.038 χ^2/NDF:563231.1/22

+ sign 246.112+/-0.032 χ^2/NDF: 11751812.1/52

All: 239.458+/-0.022 χ^2/NDF: 23094652.4/10

- sign 233.584+/-0.030 χ^2/NDF: 11262300.5/55

asym_bpm1i02WS_mean vs Slug



Right In: 3838.879+/-34.192 χ^2/NDF: 79516.3/27

Left Out: -4210.601+/-30.828 χ^2/NDF:56802.7/24

Right Out: -5519.790+/-32.287 χ^2/NDF: 105304.6/32

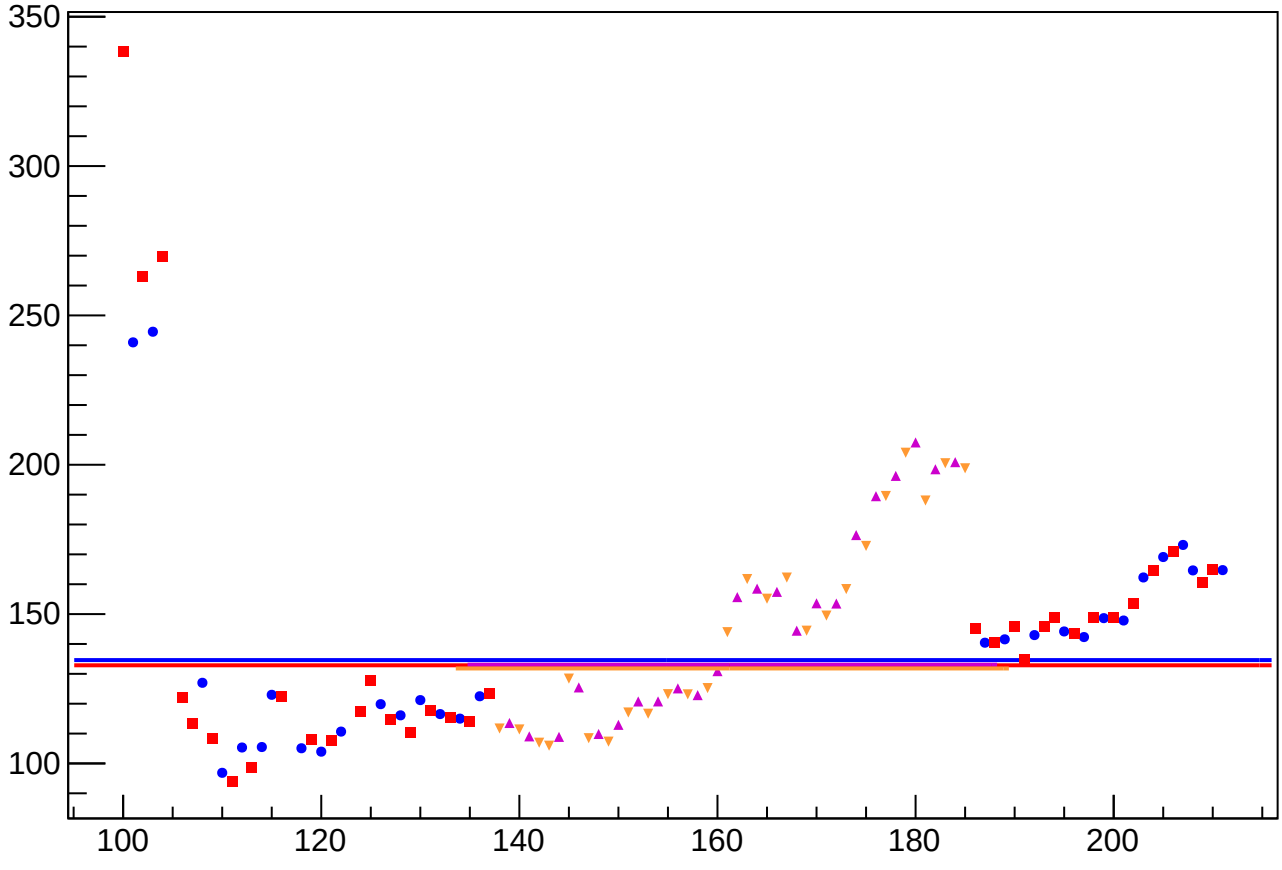
Left In: 5178.213+/-31.969 χ^2/NDF:18541.3/22

+ sign -601.155+/-22.896 χ^2/NDF: 166889.9/52

All: -357.667+/-16.126 χ^2/NDF: 346397.2/10

- sign -117.969+/-22.717 χ^2/NDF: 179282.8/55

asym_bpm1i02WS_rms vs Slug



Right In: 134.602+/-0.024 χ^2/NDF: 1340187.5/27

Left Out: 131.798+/-0.022 χ^2/NDF:1544340.3/24

Right Out: 132.859+/-0.023 χ^2/NDF: 1566001.7/32

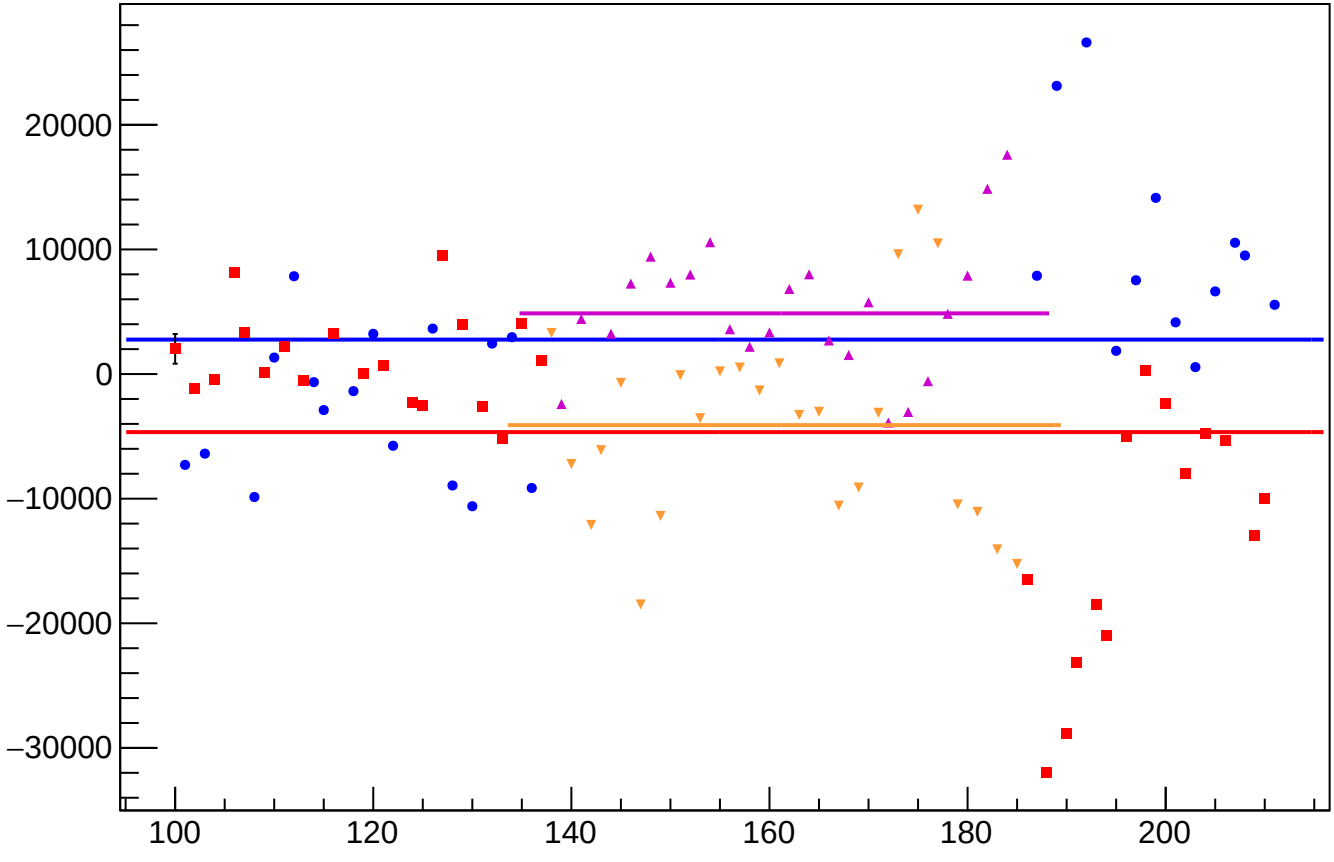
Left In: 133.061+/-0.023 χ^2/NDF:1418252.2/22

+ sign 133.055+/-0.016 χ^2/NDF: 2891949.8/52

All: 133.008+/-0.011 χ^2/NDF: 5876260.1/108

- sign 132.961+/-0.016 χ^2/NDF: 2984293.4/55

asym_bpm2i01WS_mean vs Slug



Right In: 2765.367+/-31.349 χ^2/NDF: 87304.9/27

Left Out: -4098.897+/-27.771 χ^2/NDF:66271.3/24

Right Out: -4657.540+/-29.775 χ^2/NDF: 112137.9/32

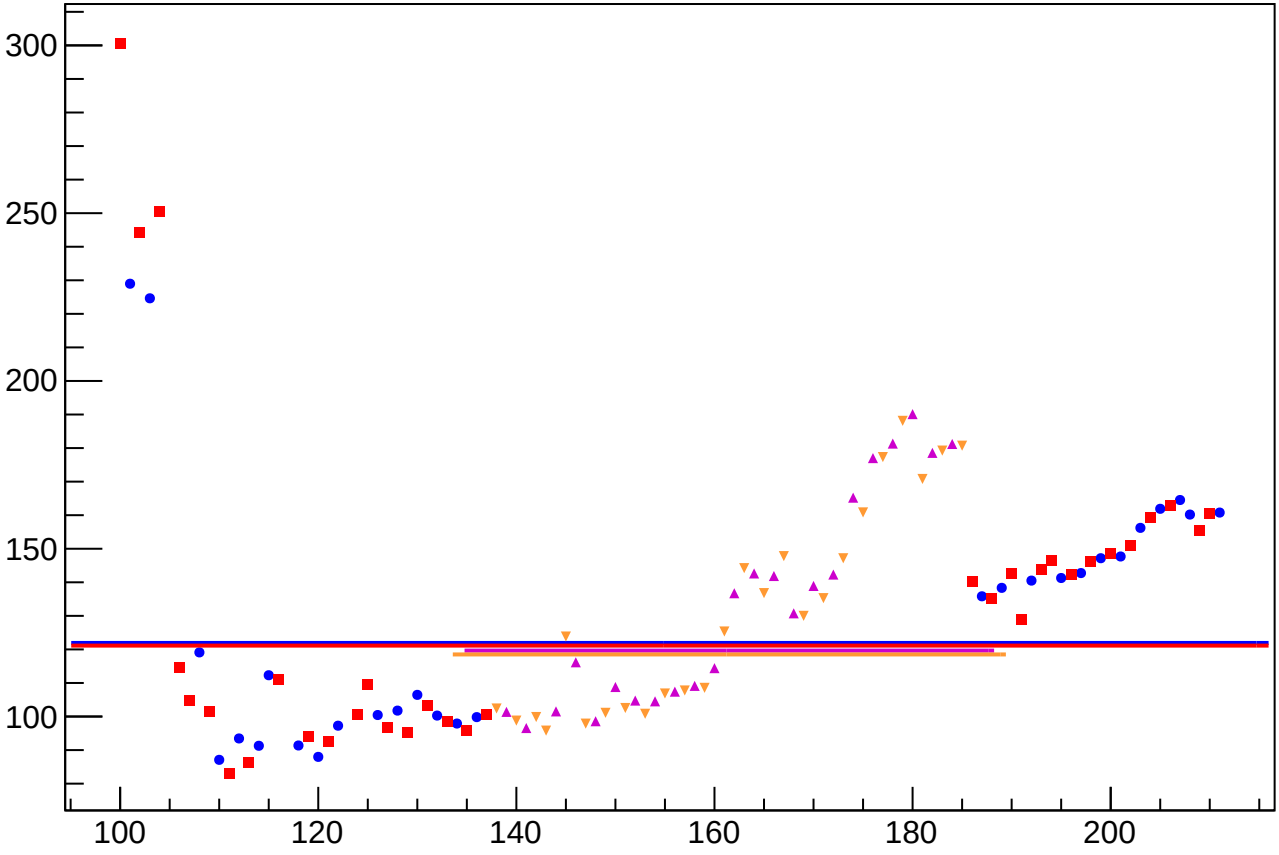
Left In: 4869.740+/-28.809 χ^2/NDF:21913.6/22

+ sign -1080.627+/-20.788 χ^2/NDF: 180439.3/52

All: -406.015+/-14.669 χ^2/NDF: 369469.1/10

- sign 263.181+/-20.704 χ^2/NDF: 186931.9/55

asym_bpm2i01WS_rms vs Slug



Right In: 121.931+/-0.022 χ^2/NDF: 1992033.9/27

Left Out: 118.502+/-0.020 χ^2/NDF:1627138.9/24

Right Out: 121.136+/-0.021 χ^2/NDF: 2224877.8/32

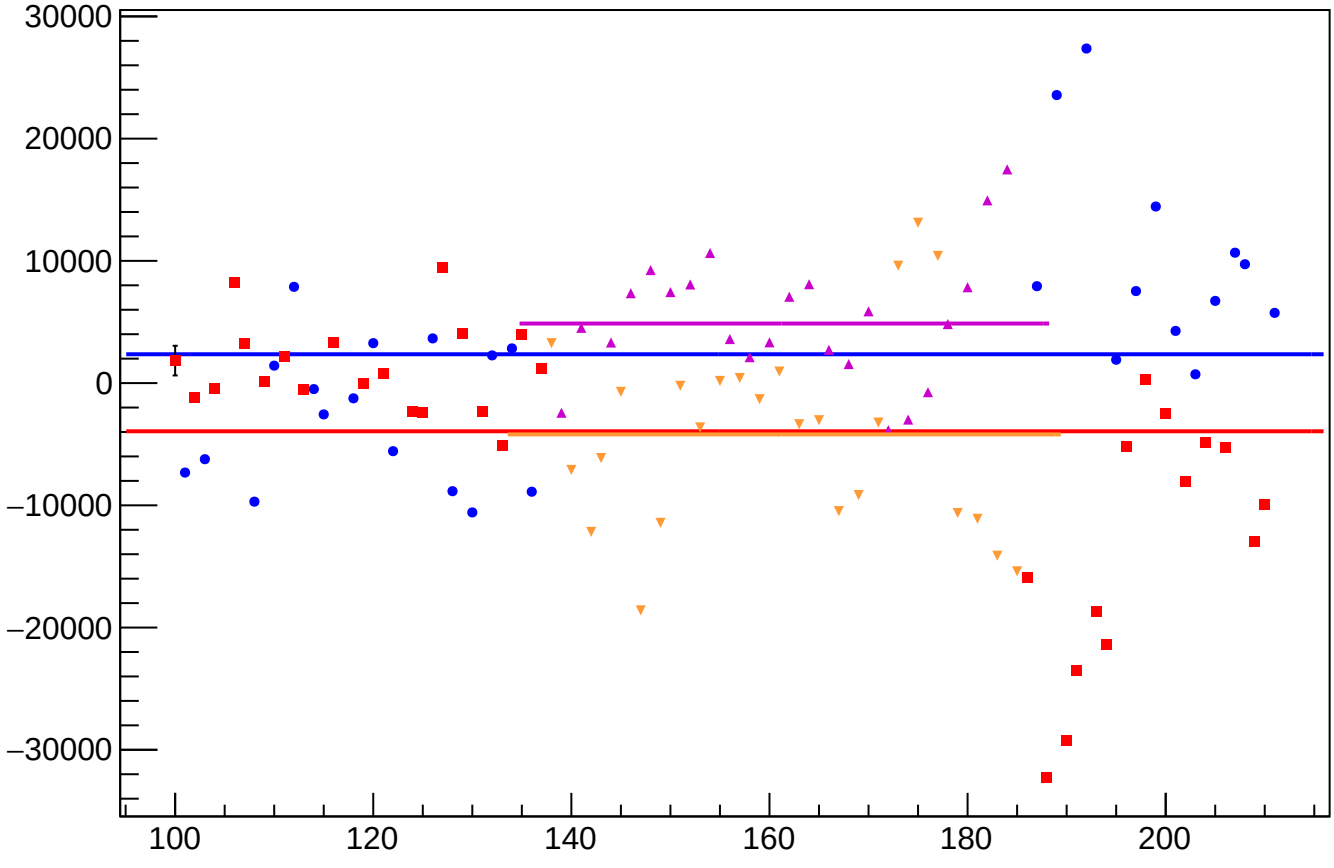
Left In: 119.645+/-0.020 χ^2/NDF:1512380.5/22

+ sign 120.010+/-0.015 χ^2/NDF: 3632582.1/52

All: 120.188+/-0.010 χ^2/NDF: 7372726.1/108

- sign 120.366+/-0.015 χ^2/NDF: 3739849.1/55

asym_bpm2i02WS_mean vs Slug



Right In: 2359.399+/-31.023 χ^2/NDF: 86401.2/27

Left Out: -4197.414+/-27.211 χ^2/NDF:70415.4/24

Right Out: -3939.972+/-29.488 χ^2/NDF: 105853.3/32

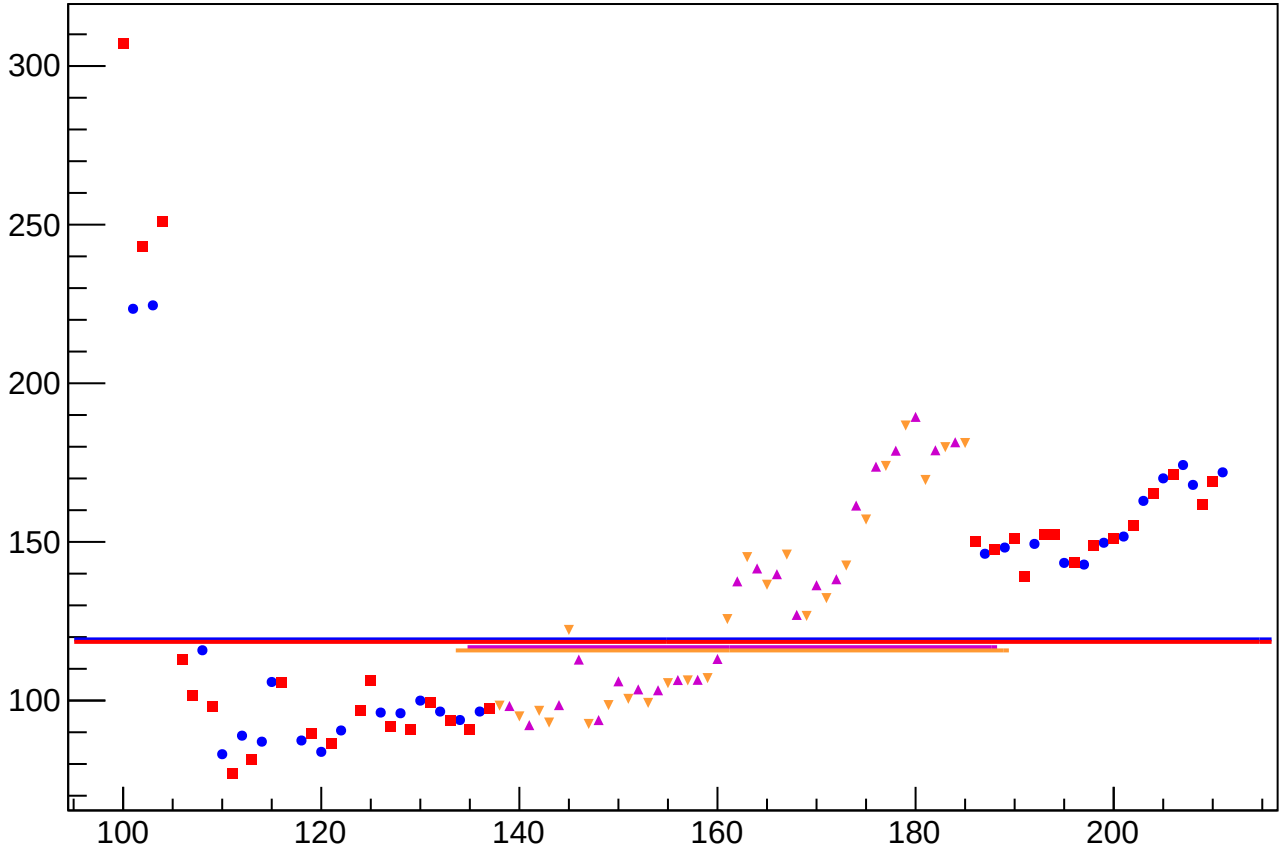
Left In: 4873.124+/-28.200 χ^2/NDF:22923.8/22

\+ sign -1346.391+/-20.457 χ^2/NDF: 182063.8/52

All: -337.832+/-14.438 χ^2/NDF: 362338.3/10

\- sign 663.267+/-20.381 χ^2/NDF: 175431.0/55

asym_bpm2i02WS_rms vs Slug



Right In: 119.271+/-0.022 χ^2/NDF: 2584824.7/27

Left Out: 115.798+/-0.019 χ^2/NDF:1749021.2/24

Right Out: 118.495+/-0.021 χ^2/NDF: 2943959.8/32

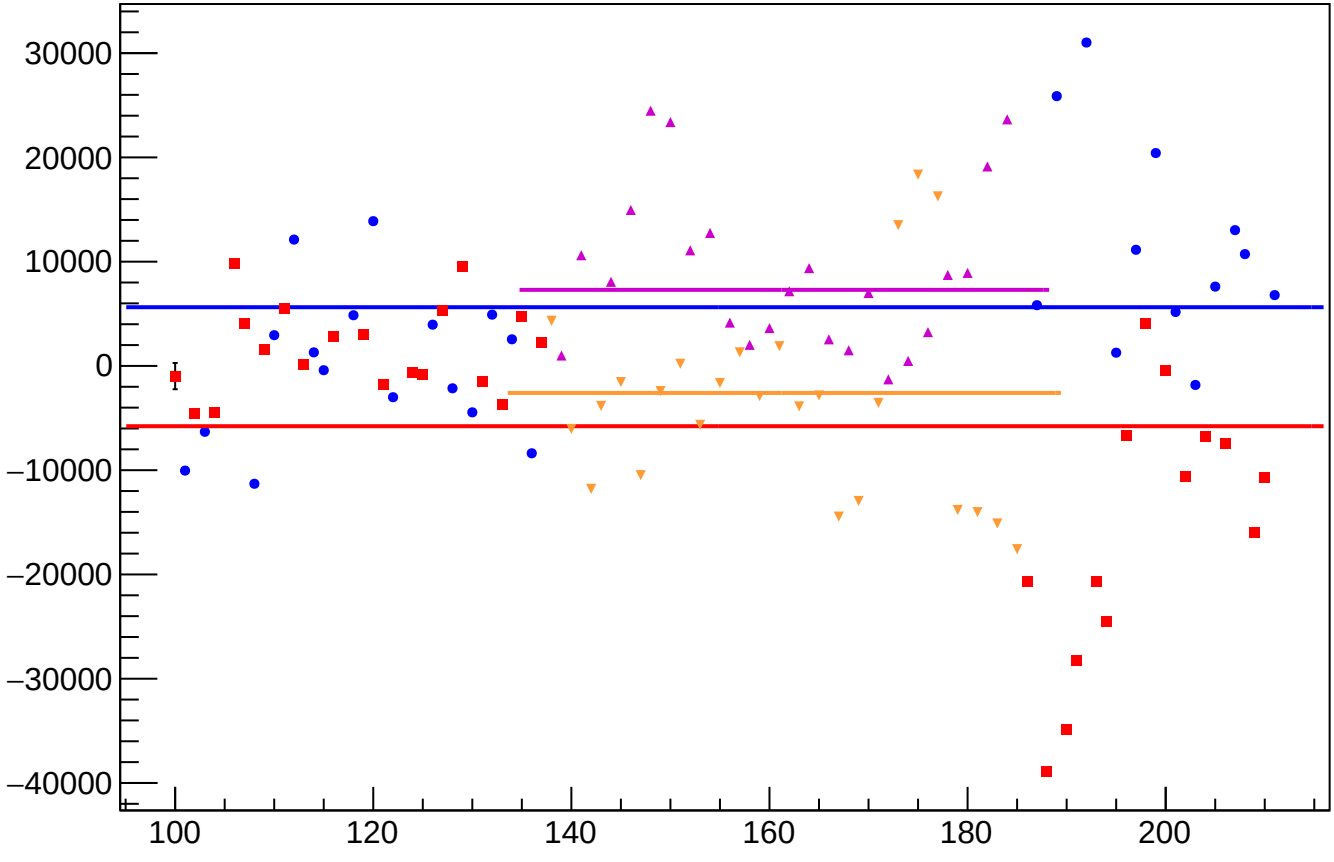
Left In: 116.808+/-0.020 χ^2/NDF:1617645.9/22

+ sign 117.308+/-0.014 χ^2/NDF: 4348012.6/52

All: 117.462+/-0.010 χ^2/NDF: 8913260.1/108

- sign 117.614+/-0.014 χ^2/NDF: 4565022.8/55

asym_bpm0i01WS_mean vs Slug



Right In: 5631.550+/-40.971 χ^2/NDF: 64397.5/27

Left Out: -2591.379+/-37.643 χ^2/NDF:47994.7/24

Right Out: -5781.426+/-39.068 χ^2/NDF: 100091.8/32

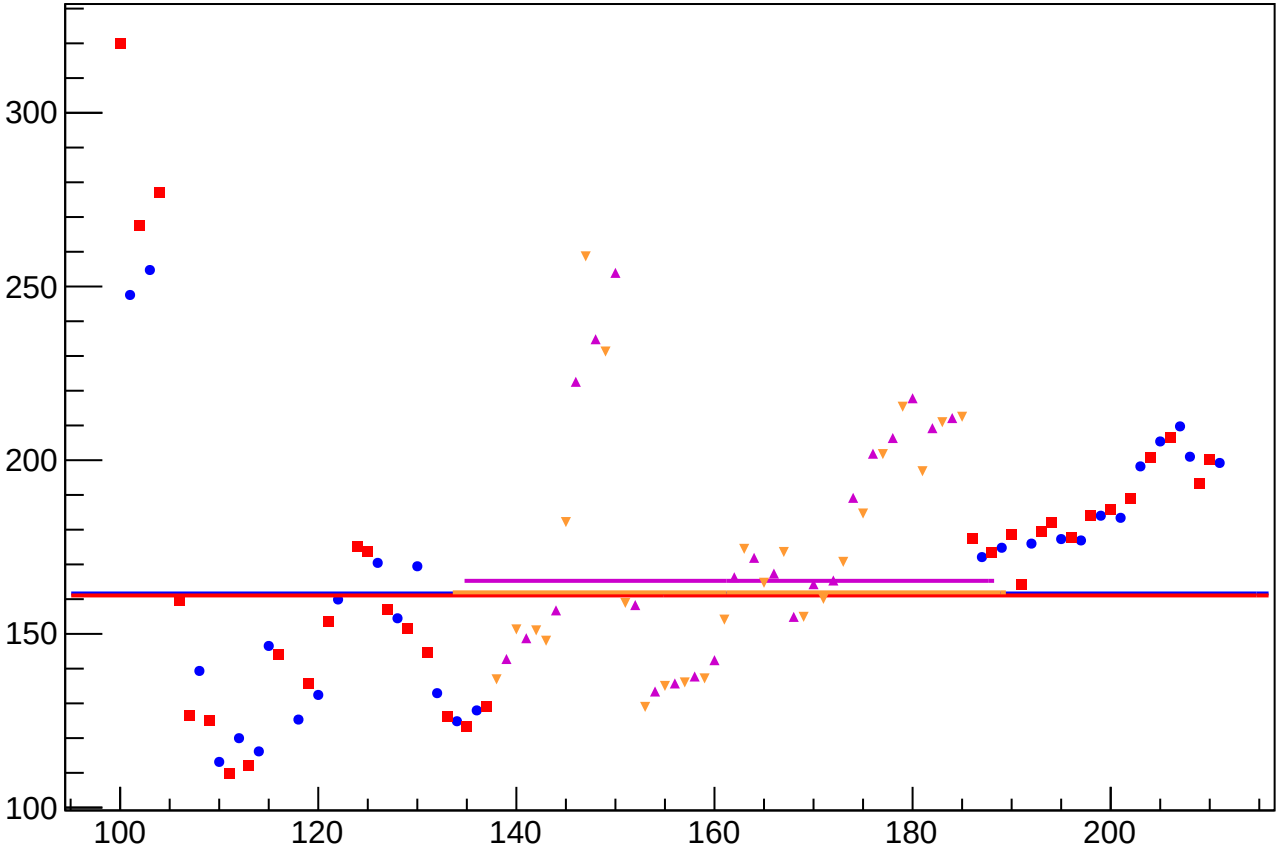
Left In: 7296.193+/-39.576 χ^2/NDF:24743.4/22

+ sign 1172.642+/-27.720 χ^2/NDF: 134234.9/52

All: 923.521+/-19.630 χ^2/NDF: 314534.8/108

- sign 672.903+/-27.803 χ^2/NDF: 180137.9/55

asym_bpm0i01WS_rms vs Slug



Right In: 161.632+/-0.029 χ^2/NDF: 1414410.9/27

Left Out: 161.957+/-0.027 χ^2/NDF:1144808.3/24

Right Out: 161.069+/-0.028 χ^2/NDF: 1582149.1/32

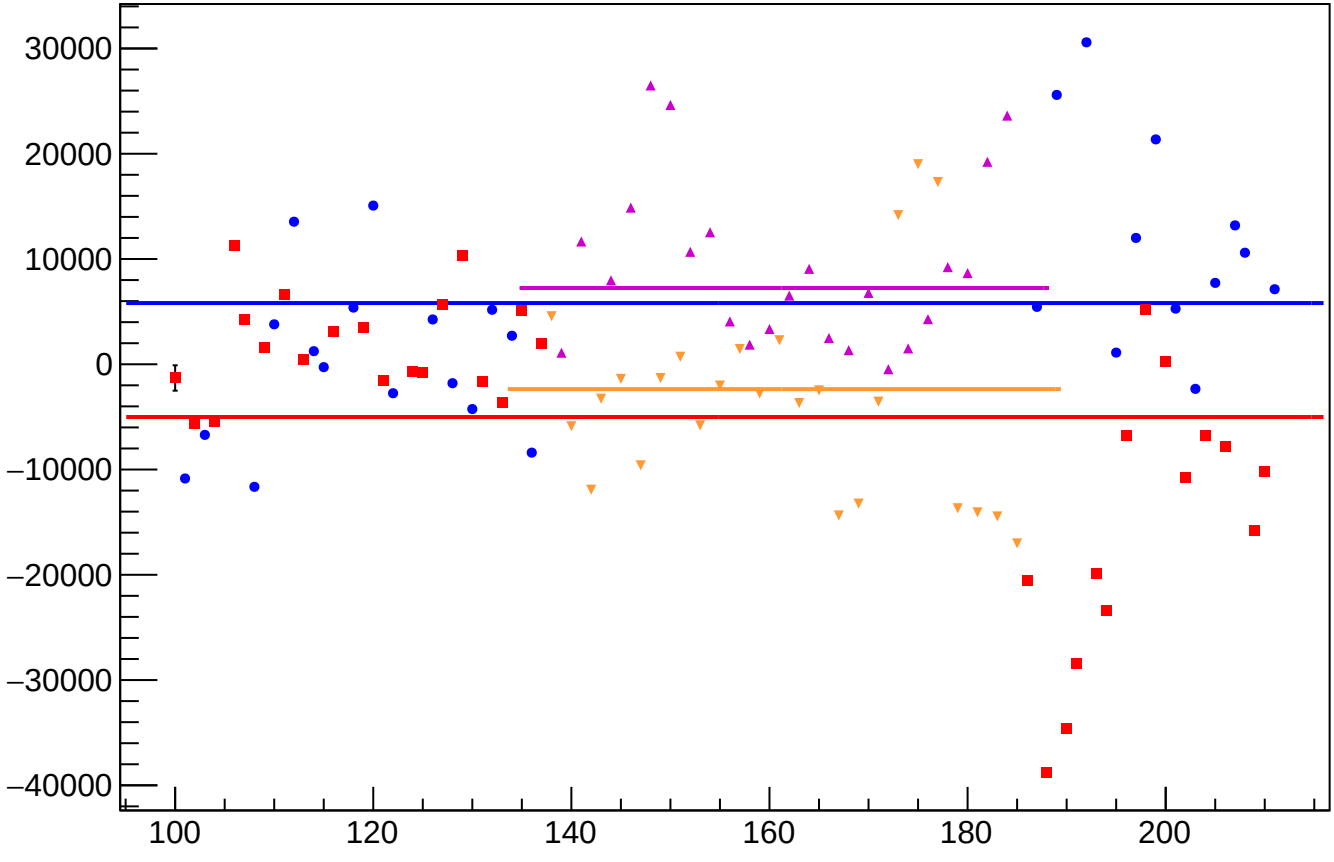
Left In: 165.273+/-0.028 χ^2/NDF:1179090.6/22

+ sign 161.808+/-0.020 χ^2/NDF: 2559287.5/52

All: 162.474+/-0.014 χ^2/NDF: 5334270.0/108

- sign 163.143+/-0.020 χ^2/NDF: 2772669.3/55

asym_bpm0i01aWS_mean vs Slug



Right In: 5815.241+/-34.819 χ^2/NDF: 89865.9/27

Left Out: -2360.753+/-33.680 χ^2/NDF:58566.4/24

Right Out: -5010.245+/-33.034 χ^2/NDF: 139342.8/32

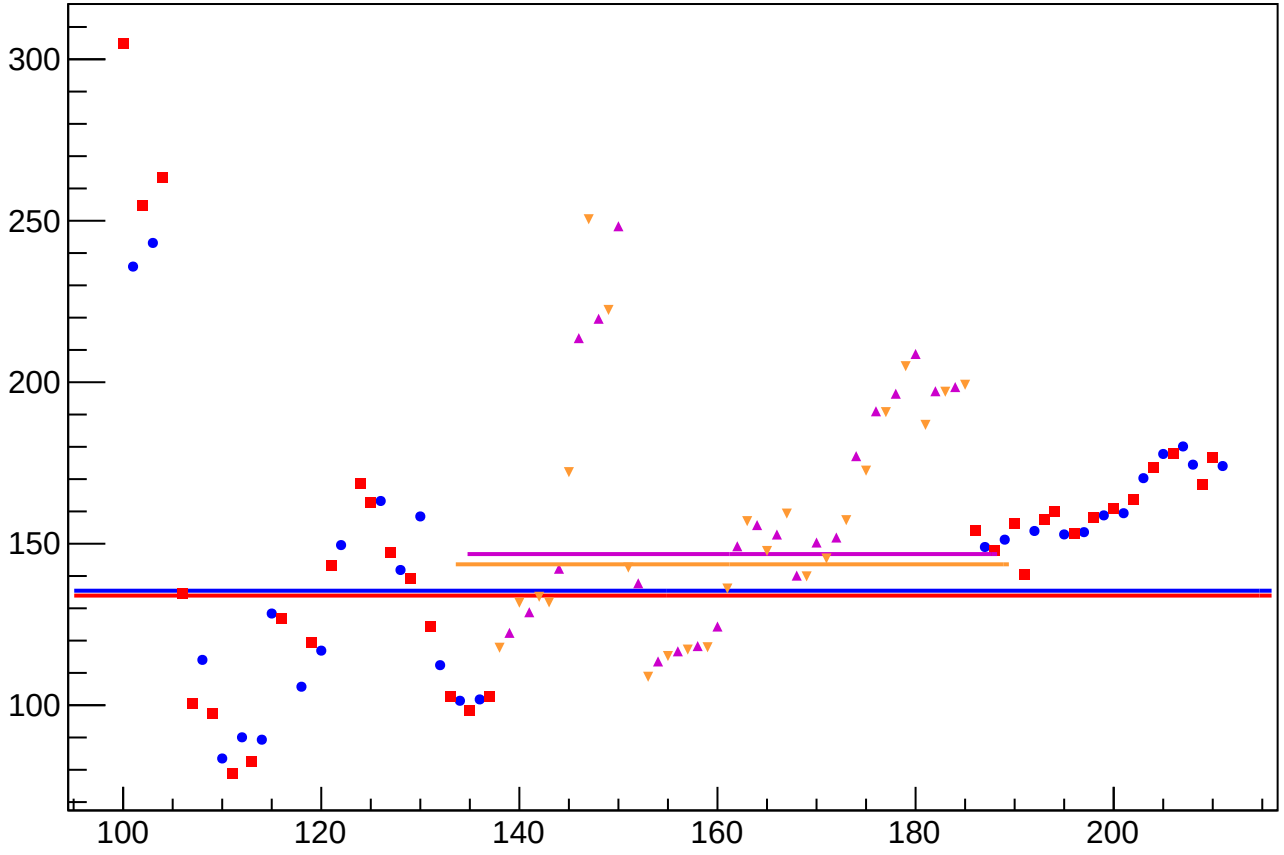
Left In: 7244.763+/-35.507 χ^2/NDF:30447.9/22

+ sign 1591.377+/-24.208 χ^2/NDF: 176917.7/52

All: 1133.043+/-17.110 χ^2/NDF: 411279.5/10

- sign 675.559+/-24.186 χ^2/NDF: 233645.5/55

asym_bpm0i01aWS_rms vs Slug



Right In: 135.450+/-0.025 χ^2/NDF: 2110944.0/27

Left Out: 143.622+/-0.024 χ^2/NDF:1662825.4/24

Right Out: 133.941+/-0.023 χ^2/NDF: 2491350.7/32

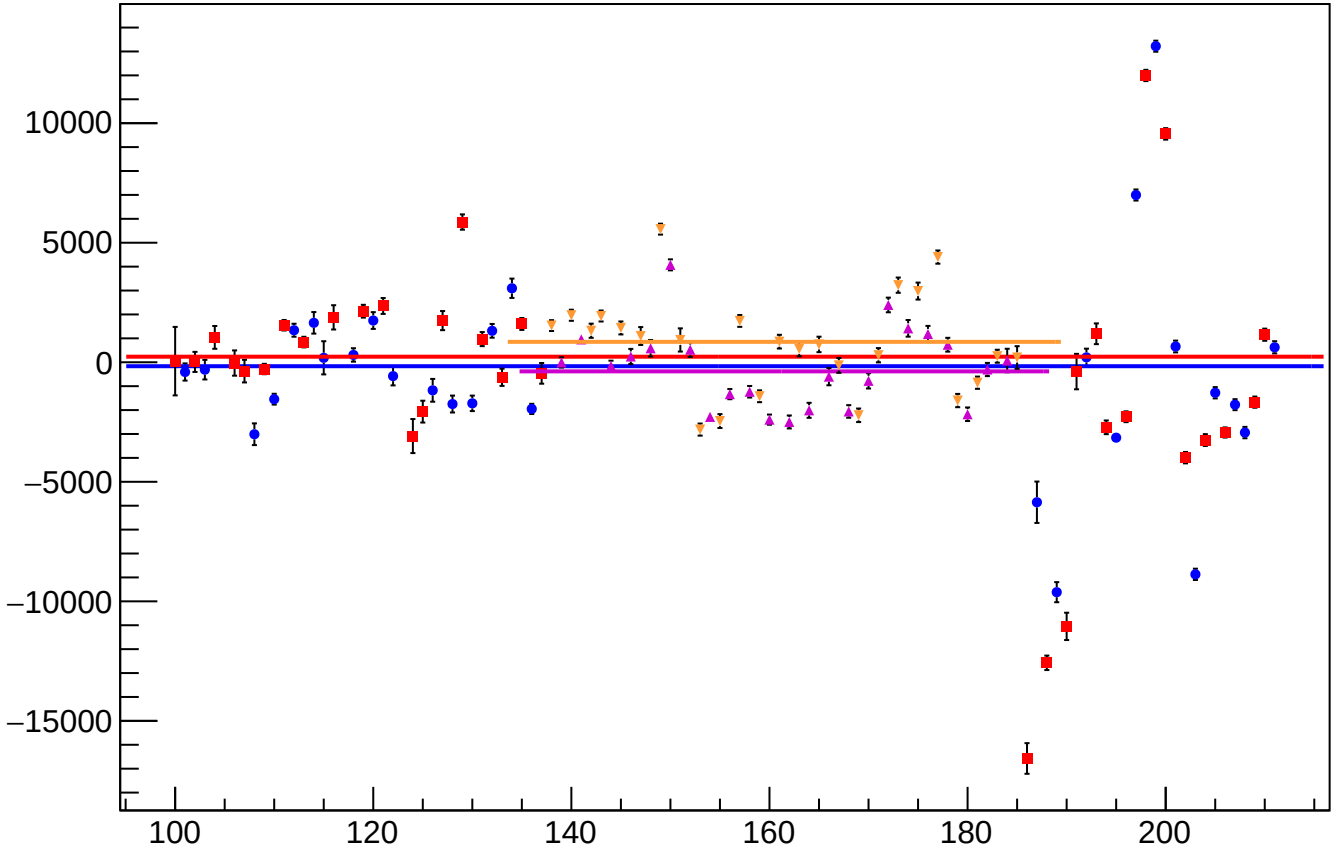
Left In: 146.793+/-0.025 χ^2/NDF:1694524.1/22

+ sign 139.672+/-0.017 χ^2/NDF: 3830690.5/52

All: 139.788+/-0.012 χ^2/NDF: 8157128.9/108

- sign 139.904+/-0.017 χ^2/NDF: 4326346.5/55

asym_bpm0l01WS_mean vs Slug



Right In: -165.173+/-55.310 χ^2/NDF: 7009.4/27

Left Out: 853.916+/-56.237 χ^2/NDF:1443.8/24

Right Out: 232.820+/-53.318 χ^2/NDF: 8478.7/32

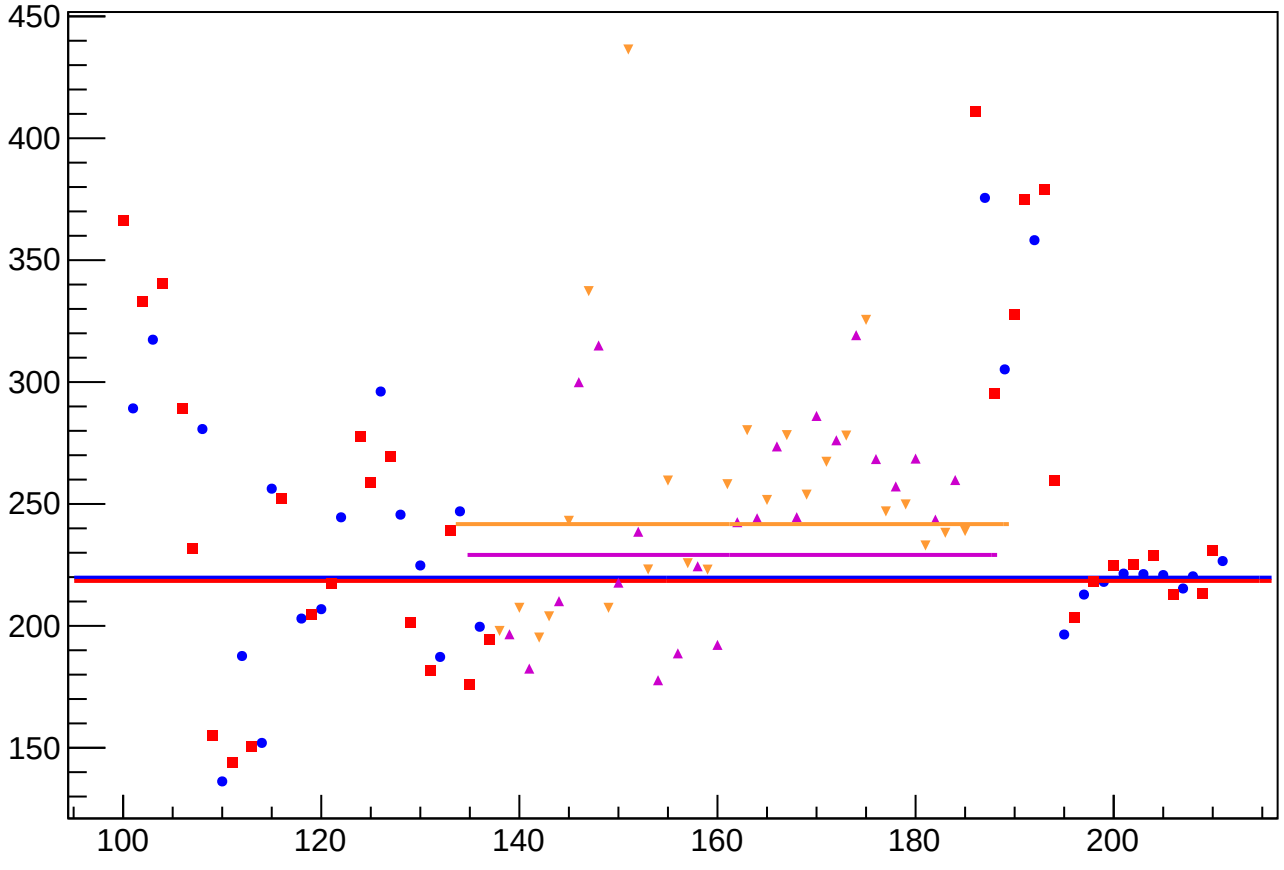
Left In: -380.865+/-55.135 χ^2/NDF:982.4/22

+ sign 335.909+/-39.434 χ^2/NDF: 8620.2/52

All: 130.401+/-27.485 χ^2/NDF: 18198.1/108

- sign -63.745+/-38.328 χ^2/NDF: 9525.1/55

asym_bpm0l01WS_rms vs Slug



Right In: 219.777+/-0.039 χ^2/NDF: 1173600.3/27

Left Out: 241.746+/-0.040 χ^2/NDF:986390.8/24

Right Out: 218.444+/-0.038 χ^2/NDF: 1915867.3/32

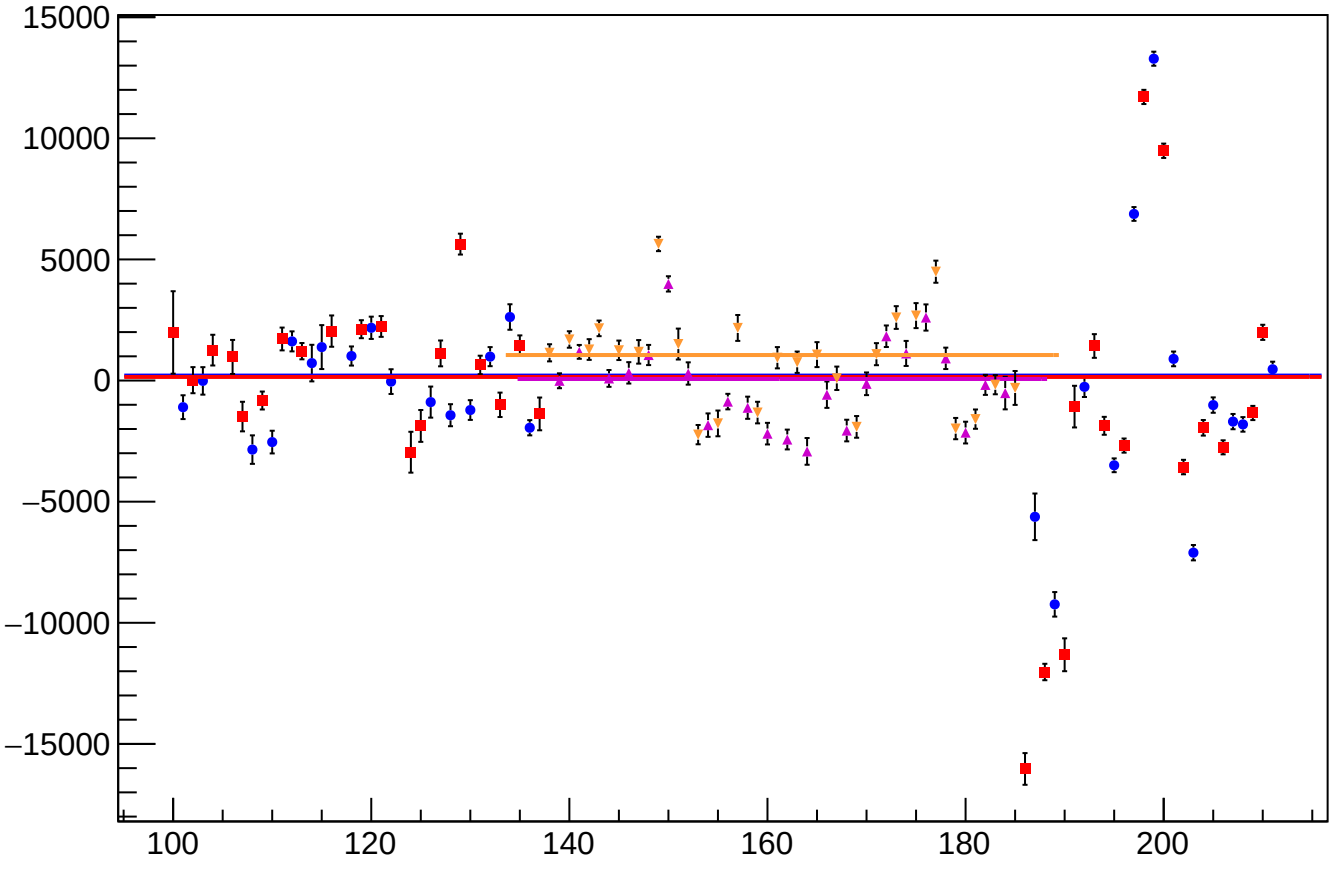
Left In: 229.103+/-0.039 χ^2/NDF:1068960.6/22

+ sign 230.579+/-0.028 χ^2/NDF: 2315131.0/52

All: 226.988+/-0.019 χ^2/NDF: 5370845.3/108

- sign 223.595+/-0.027 χ^2/NDF: 3023455.9/55

asym_bpm0l02WS_mean vs Slug



Right In: 204.681+/-74.301 χ^2/NDF: 3971.6/27

Left Out: 1053.354+/-85.895 χ^2/NDF:614.6/24

Right Out: 149.255+/-71.868 χ^2/NDF: 5538.8/32

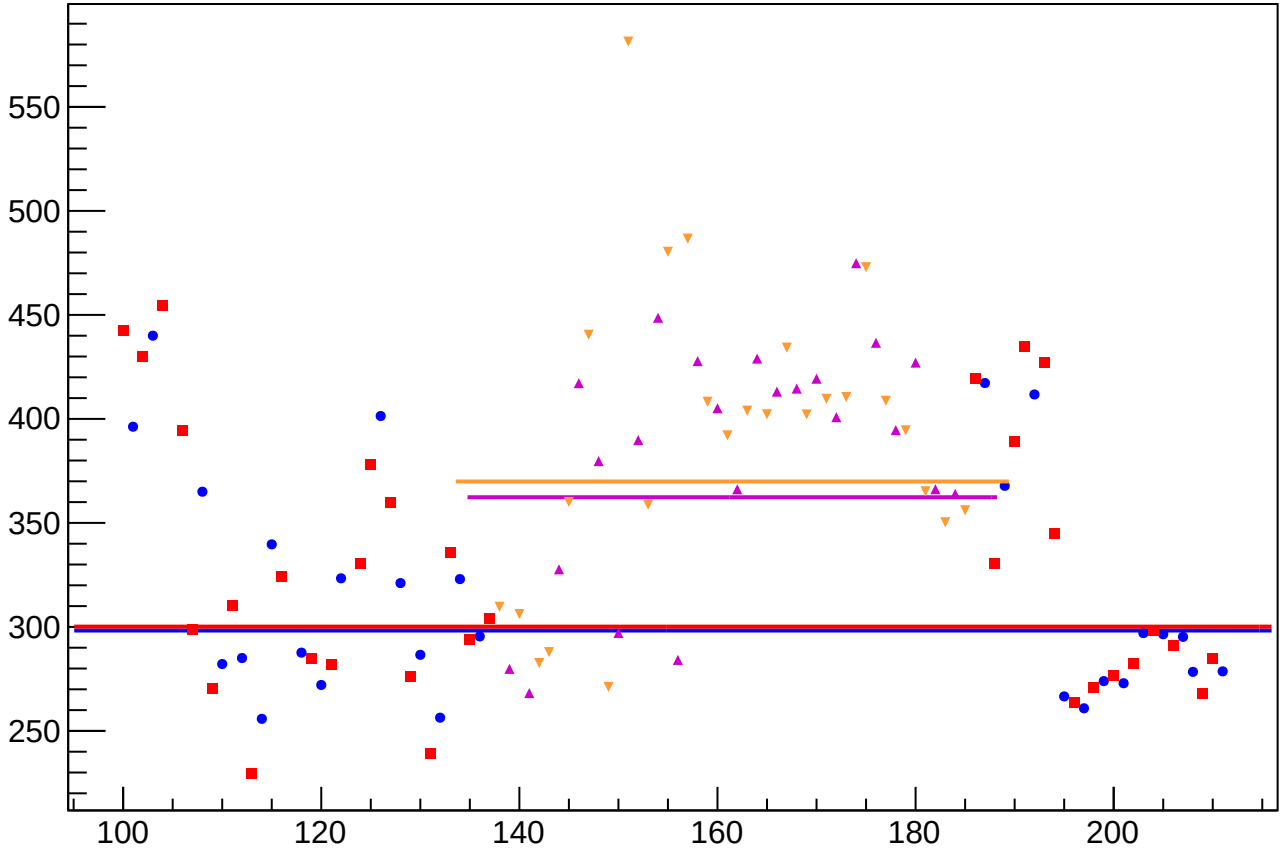
Left In: 64.646+/-86.660 χ^2/NDF:394.4/22

+ sign 567.915+/-56.194 χ^2/NDF: 4642.0/52

All: 337.791+/-39.422 χ^2/NDF: 10608.8/108

- sign 114.777+/-55.320 χ^2/NDF: 5933.8/55

asym_bpm0l02WS_rms vs Slug



Right In: 298.272+/-0.053 χ^2/NDF: 662847.0/27

Left Out: 369.923+/-0.061 χ^2/NDF:1230300.9/24

Right Out: 300.141+/-0.051 χ^2/NDF: 953047.7/32

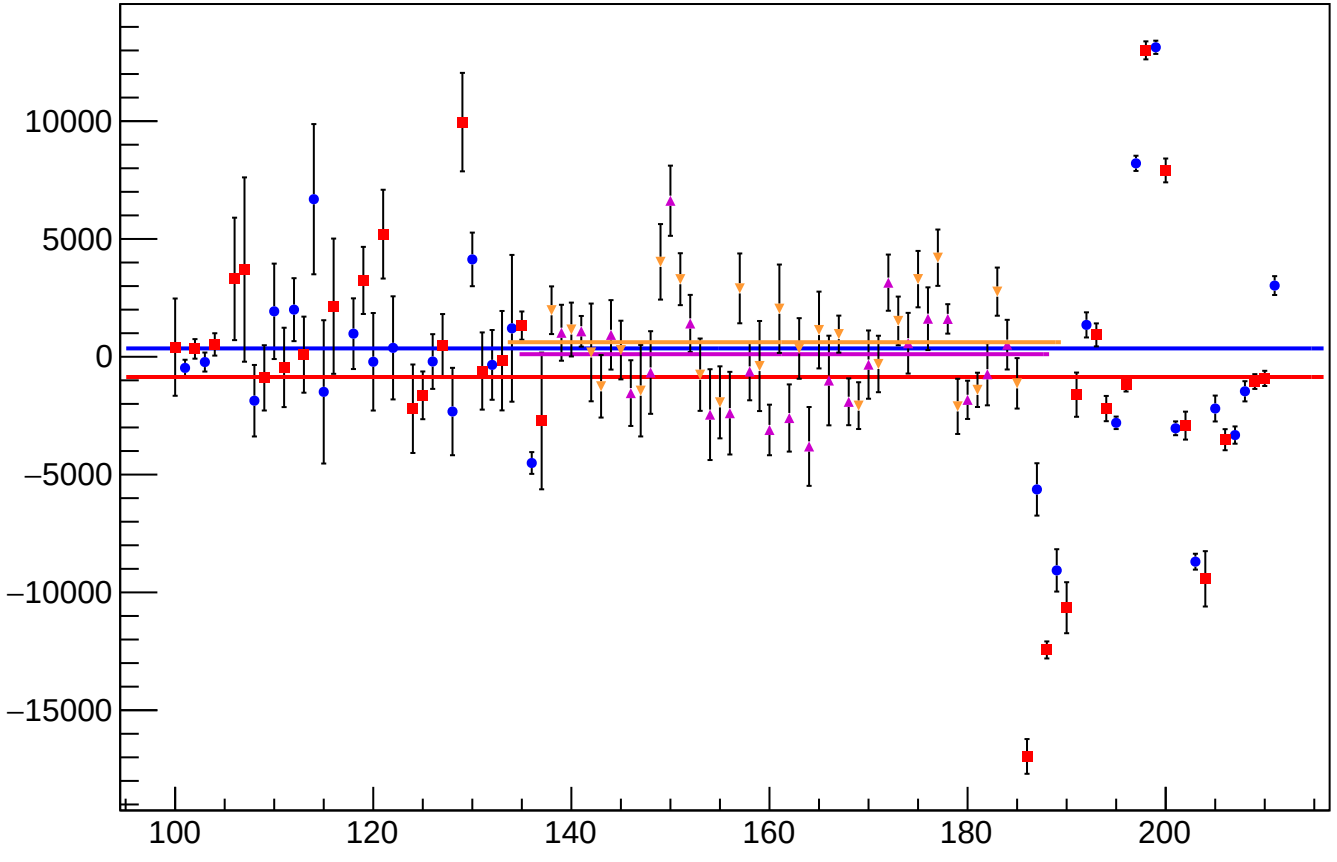
Left In: 362.341+/-0.061 χ^2/NDF:1053395.6/22

+ sign 328.939+/-0.040 χ^2/NDF: 2689194.2/52

All: 327.186+/-0.028 χ^2/NDF: 5309935.9/108

- sign 325.488+/-0.039 χ^2/NDF: 2616910.3/55

asym_bpm0l03WS_mean vs Slug



Right In: 354.627+/-95.879 χ^2/NDF: 4122.9/27

Left Out: 618.538+/-238.150 χ^2/NDF:65.7/24

Right Out: -858.490+/-106.427 χ^2/NDF: 3408.9/32

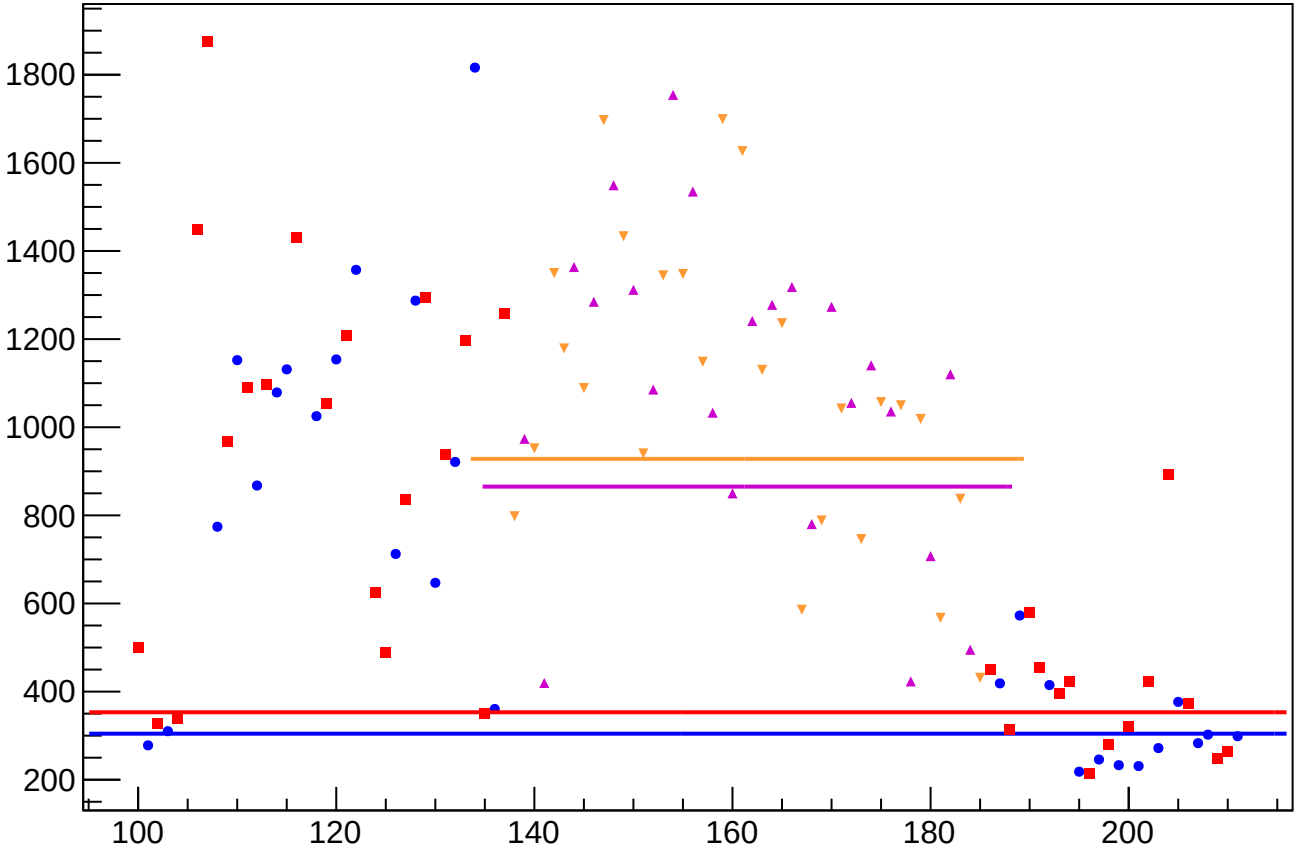
Left In: 109.519+/-237.827 χ^2/NDF:71.7/22

+ sign 391.436+/-88.941 χ^2/NDF: 4189.7/52

All: -104.888+/-65.599 χ^2/NDF: 7752.5/108

- sign -696.984+/-97.144 χ^2/NDF: 3494.4/55

asym_bpm0l03WS_rms vs Slug



Right In: 304.539+/-0.068 χ^2/NDF: 5152822.6/27

Left Out: 928.240+/-0.168 χ^2/NDF:3294716.2/24

Right Out: 353.117+/-0.075 χ^2/NDF: 6149699.9/32

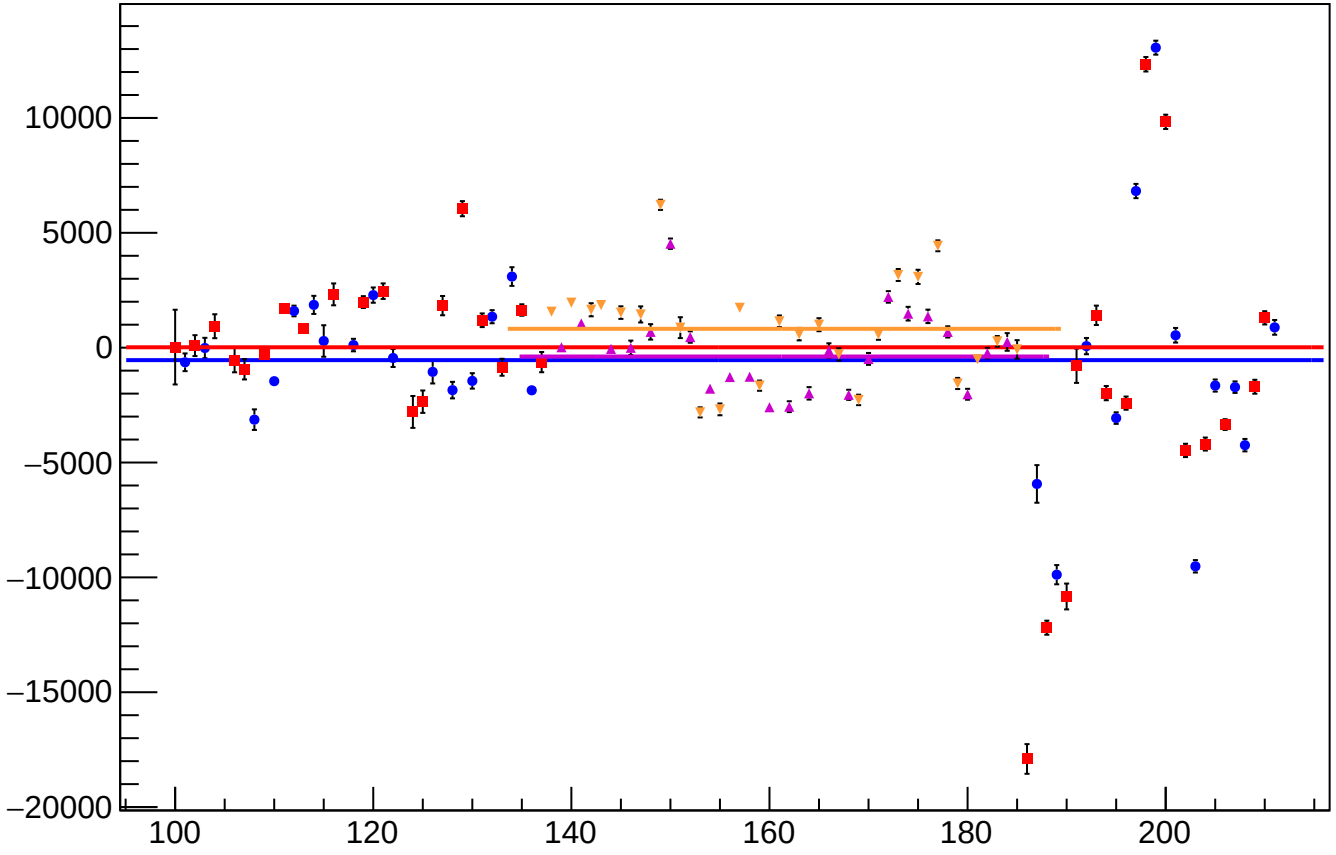
Left In: 865.223+/-0.168 χ^2/NDF:4792678.4/22

+ sign 391.531+/-0.063 χ^2/NDF: 20251939.5/52

All: 412.976+/-0.046 χ^2/NDF: 39175266.2/10

- sign 438.558+/-0.069 χ^2/NDF: 18668352.9/55

asym_bpm0l04WS_mean vs Slug



Right In: -542.760+/-59.140 χ^2/NDF: 4993.9/27

Left Out: 820.821+/-49.996 χ^2/NDF:1990.8/24

Right Out: 17.085+/-55.967 χ^2/NDF: 6786.7/32

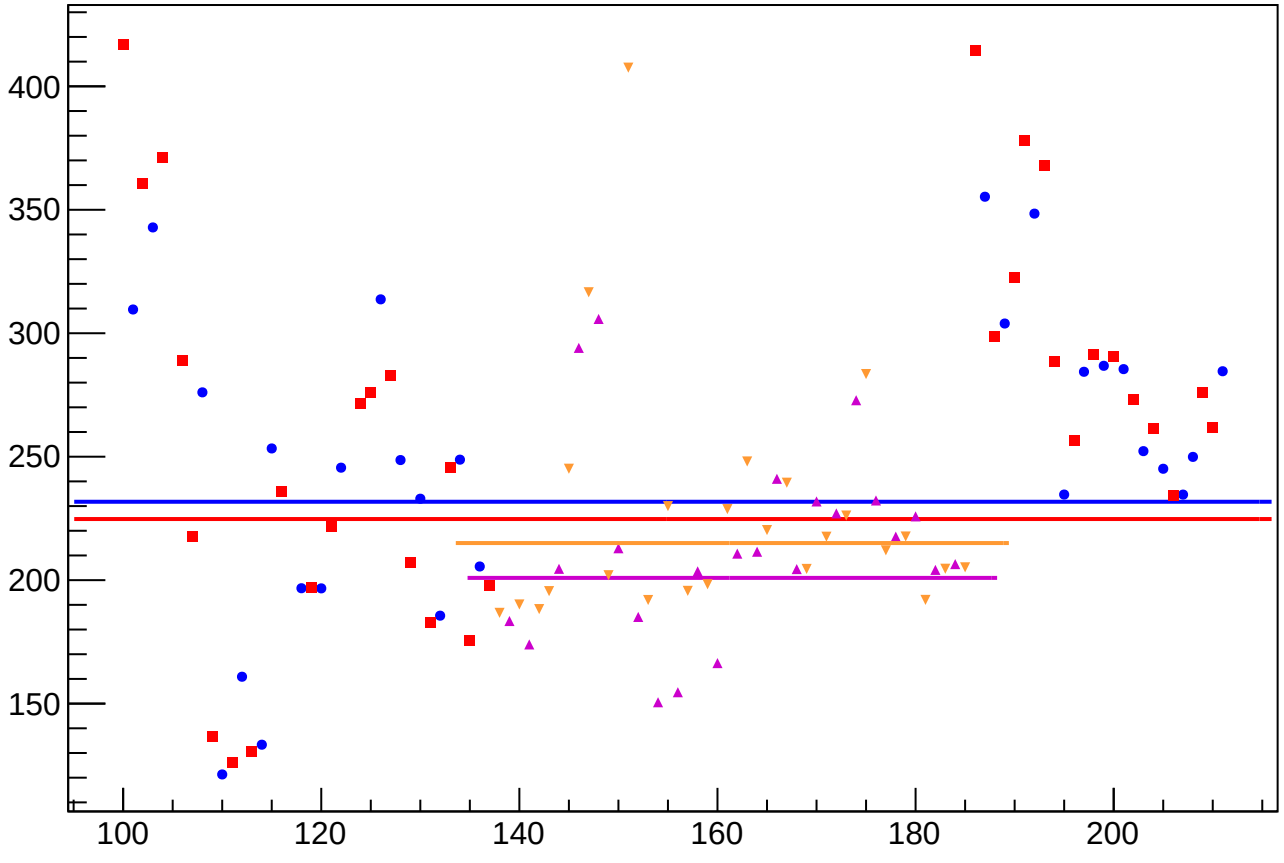
Left In: -385.002+/-48.455 χ^2/NDF:1253.3/22

+ sign 252.479+/-38.181 χ^2/NDF: 7294.7/52

All: 10.250+/-26.434 χ^2/NDF: 15441.5/108

- sign -212.735+/-36.633 χ^2/NDF: 8069.5/55

asym_bpm0l04WS_rms vs Slug



Right In: 231.752+/-0.042 χ^2/NDF: 1913929.8/27

Left Out: 215.027+/-0.035 χ^2/NDF:897791.6/24

Right Out: 224.754+/-0.040 χ^2/NDF: 3175174.7/32

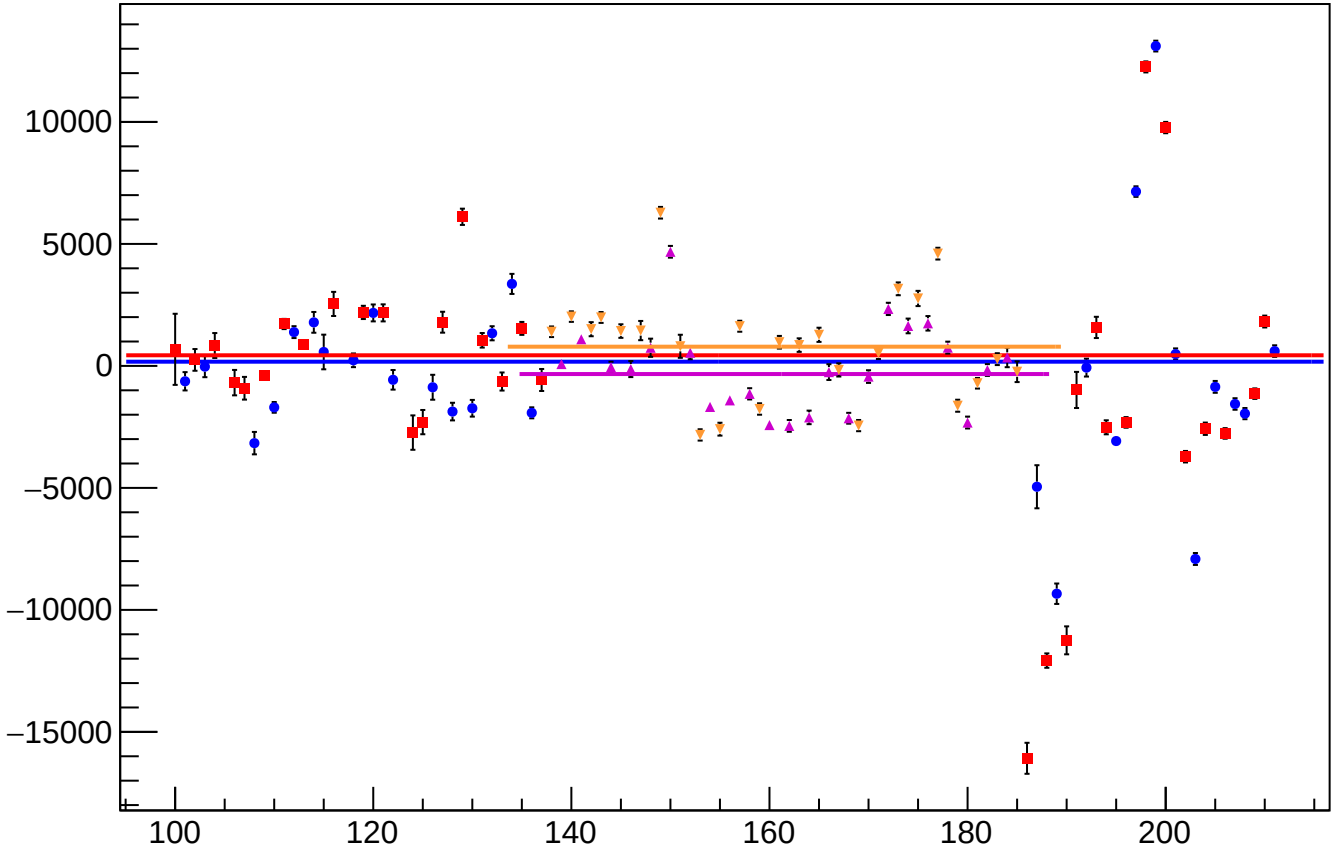
Left In: 200.917+/-0.034 χ^2/NDF:1105842.5/22

+ sign 221.998+/-0.027 χ^2/NDF: 2905009.4/52

All: 216.339+/-0.019 χ^2/NDF: 7477778.9/108

- sign 211.130+/-0.026 χ^2/NDF: 4488390.4/55

asym_bpm0l05WS_mean vs Slug



Right In: 172.963+/-54.809 χ^2/NDF: 6935.5/27

Left Out: 788.110+/-51.424 χ^2/NDF:1890.2/24

Right Out: 435.531+/-52.550 χ^2/NDF: 8820.4/32

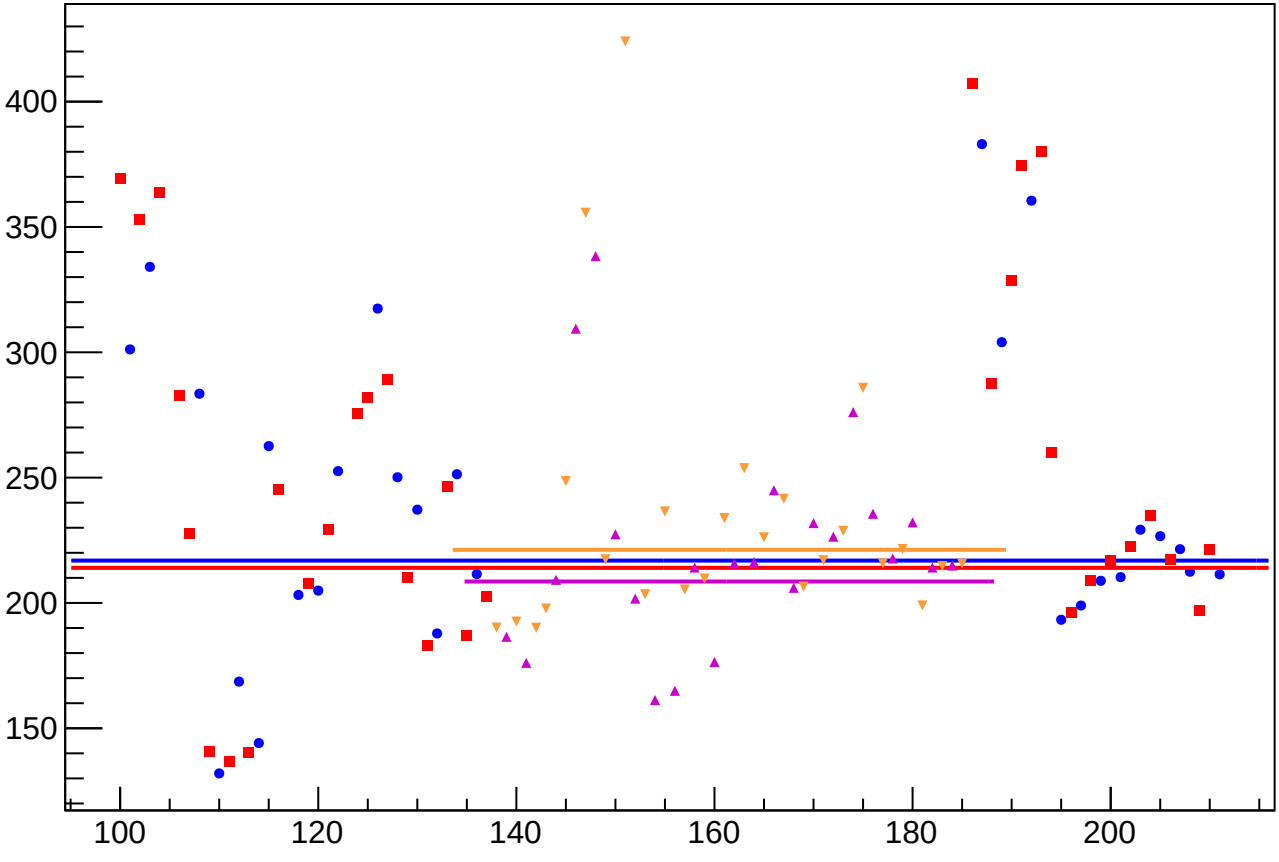
Left In: -333.303+/-50.194 χ^2/NDF:1215.2/22

+ sign 500.115+/-37.502 χ^2/NDF: 8892.7/52

All: 259.189+/-26.081 χ^2/NDF: 19120.2/108

- sign 33.499+/-36.297 χ^2/NDF: 10147.6/55

asym_bpm0l05WS_rms vs Slug



Right In: 216.902+/-0.039 χ^2/NDF: 1413139.5/27

Left Out: 221.185+/-0.036 χ^2/NDF:939520.0/24

Right Out: 214.011+/-0.037 χ^2/NDF: 2280251.9/32

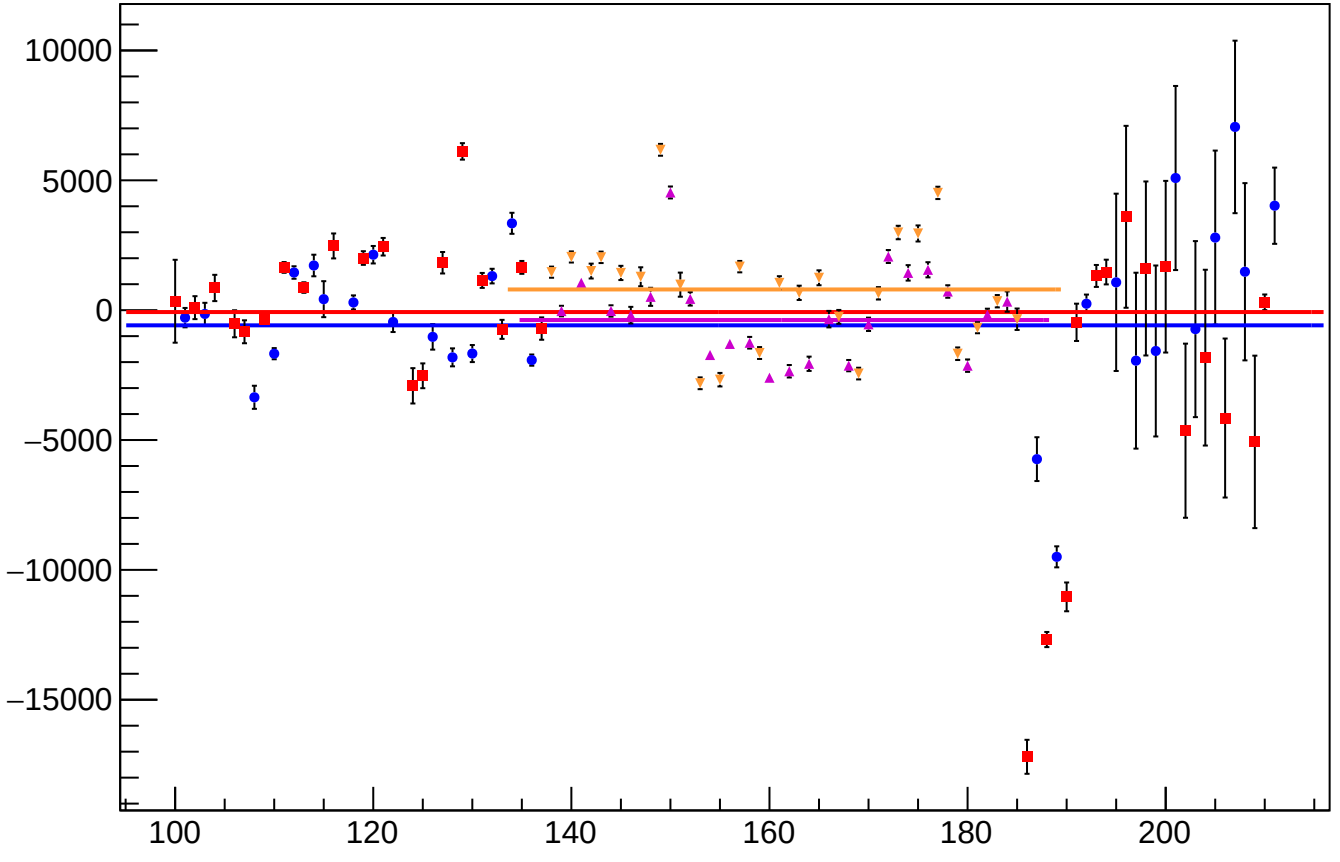
Left In: 208.556+/-0.035 χ^2/NDF:1035638.0/22

+ sign 219.180+/-0.027 χ^2/NDF: 2359155.9/52

All: 215.038+/-0.018 χ^2/NDF: 5733557.0/108

- sign 211.159+/-0.026 χ^2/NDF: 3327160.7/55

asym_bpm0l06WS_mean vs Slug



Right In: -584.073+/-76.235 χ^2/NDF: 996.2/27

Left Out: 797.475+/-50.495 χ^2/NDF:1960.8/24

Right Out: -72.379+/-66.404 χ^2/NDF: 3739.5/32

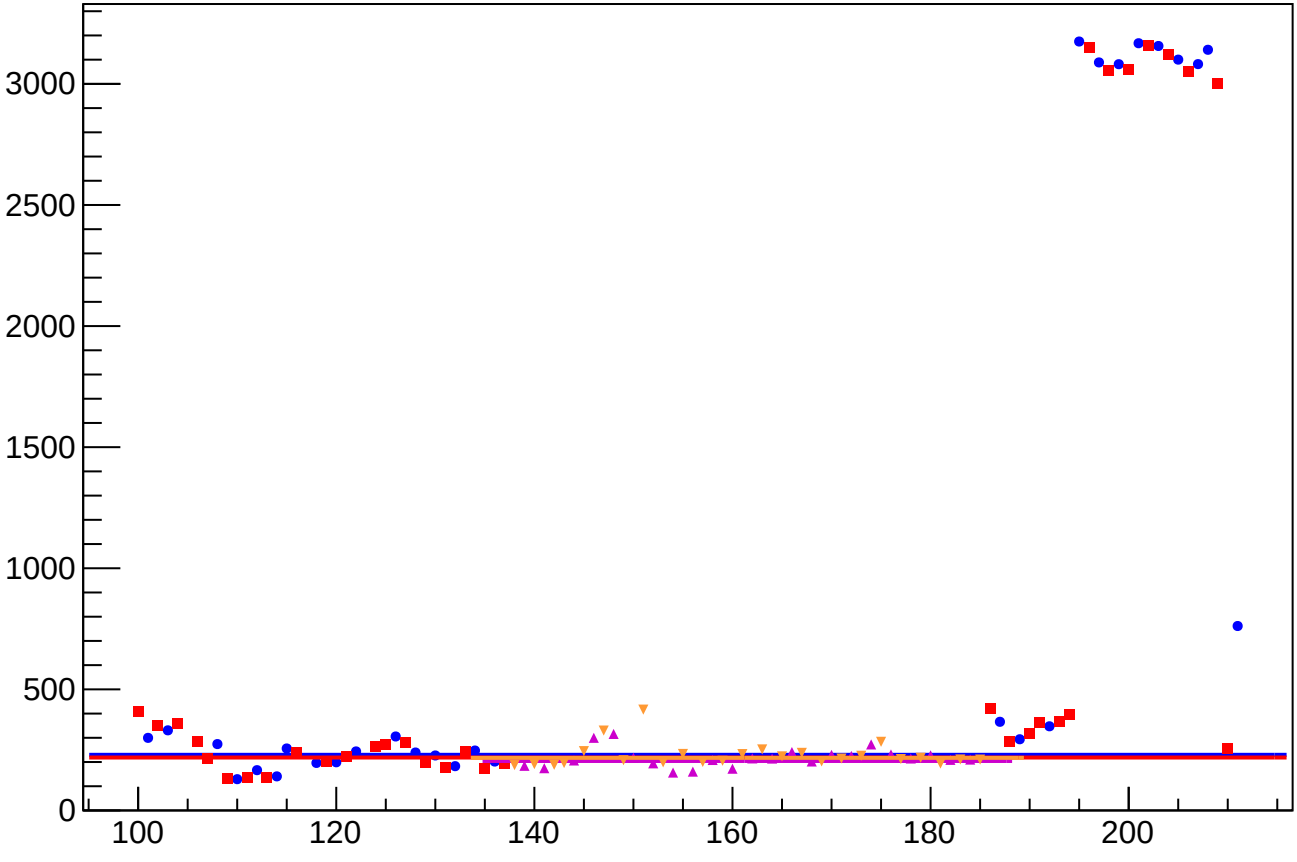
Left In: -379.578+/-49.183 χ^2/NDF:1201.2/22

+ sign 376.191+/-42.098 χ^2/NDF: 3185.2/52

All: 32.330+/-28.814 χ^2/NDF: 8265.4/108

- sign -270.752+/-39.523 χ^2/NDF: 4954.6/55

asym_bpm0l06WS_rms vs Slug



Right In: 229.746+/-0.054 χ^2/NDF: 13328552.0/27

Left Out: 217.224+/-0.036 χ^2/NDF:910445.0/24

Right Out: 218.550+/-0.047 χ^2/NDF: 13126967.1/32

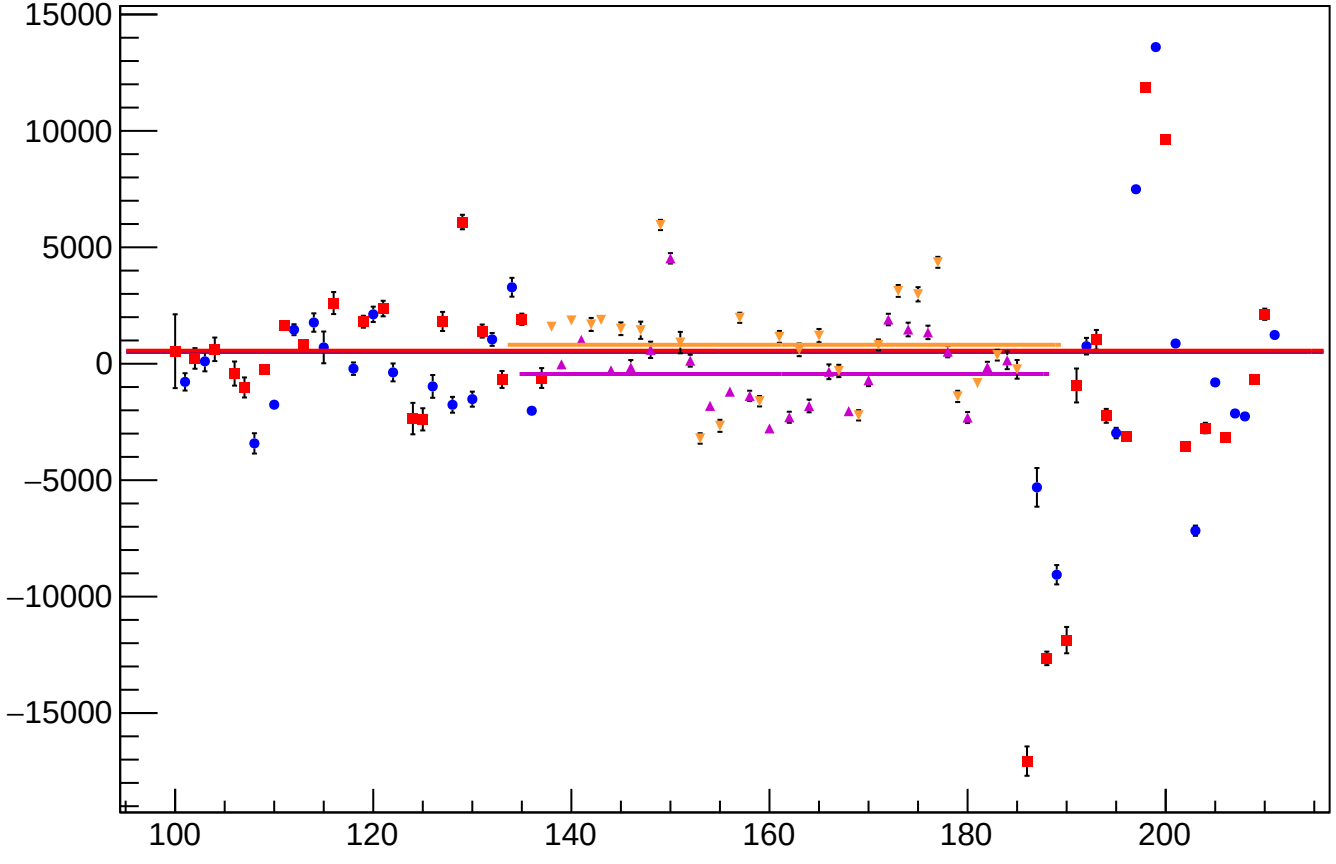
Left In: 204.308+/-0.035 χ^2/NDF:1015049.0/22

+ sign 221.043+/-0.030 χ^2/NDF: 14276497.2/52

All: 214.829+/-0.020 χ^2/NDF: 28559880.9/10

- sign 209.353+/-0.028 χ^2/NDF: 14201422.7/55

asym_bpm0l07WS_mean vs Slug



Right In: 512.211+/-50.841 χ^2/NDF: 9129.5/27

Left Out: 814.275+/-49.760 χ^2/NDF:2000.4/24

Right Out: 559.718+/-48.898 χ^2/NDF: 10719.4/32

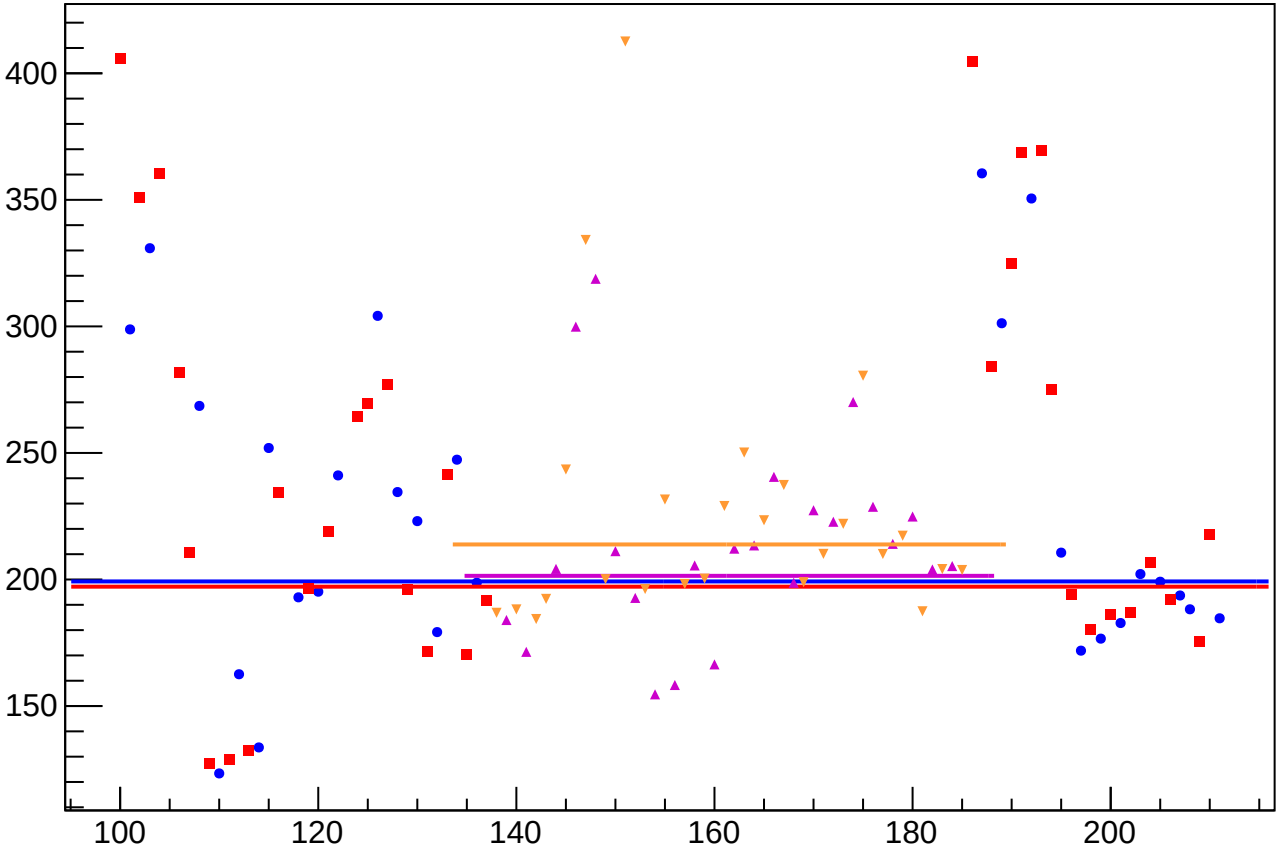
Left In: -439.674+/-48.535 χ^2/NDF:1235.0/22

+ sign 666.489+/-35.562 χ^2/NDF: 11147.9/52

All: 351.685+/-24.742 χ^2/NDF: 23464.6/108

- sign 56.299+/-34.447 χ^2/NDF: 12164.7/55

asym_bpm0l07WS_rms vs Slug



Right In: 199.233+/-0.036 χ^2/NDF: 1620840.0/27

Left Out: 213.848+/-0.035 χ^2/NDF:963582.3/24

Right Out: 197.168+/-0.035 χ^2/NDF: 2678639.6/32

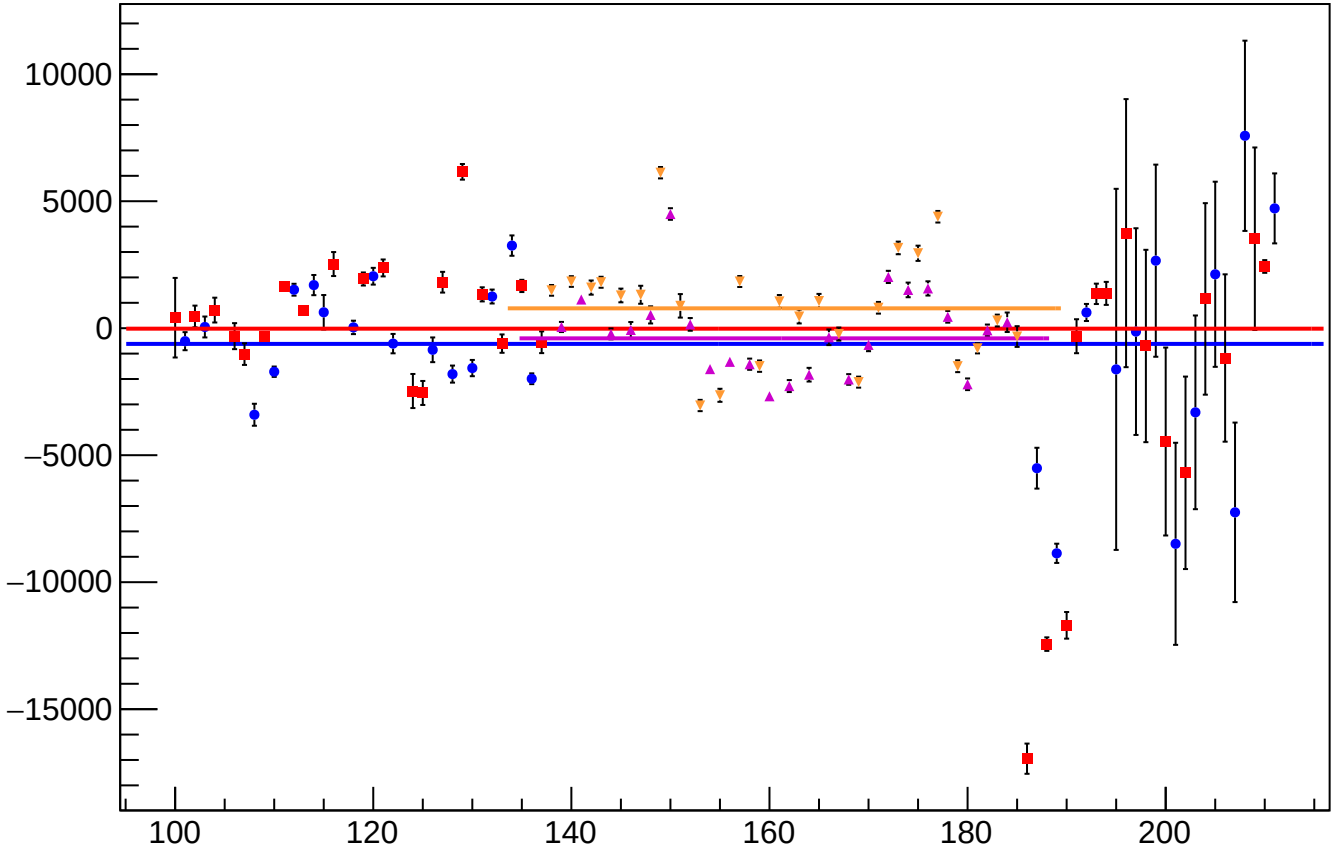
Left In: 201.446+/-0.034 χ^2/NDF:1061972.3/22

+ sign 206.698+/-0.025 χ^2/NDF: 2668832.4/52

All: 202.893+/-0.017 χ^2/NDF: 6461529.9/108

- sign 199.323+/-0.024 χ^2/NDF: 3748320.5/55

asym_bpm0l08WS_mean vs Slug



Right In: -617.799+/-73.856 χ^2/NDF: 1021.5/27

Left Out: 782.388+/-49.199 χ^2/NDF:2001.3/24

Right Out: -18.367+/-63.290 χ^2/NDF: 4379.4/32

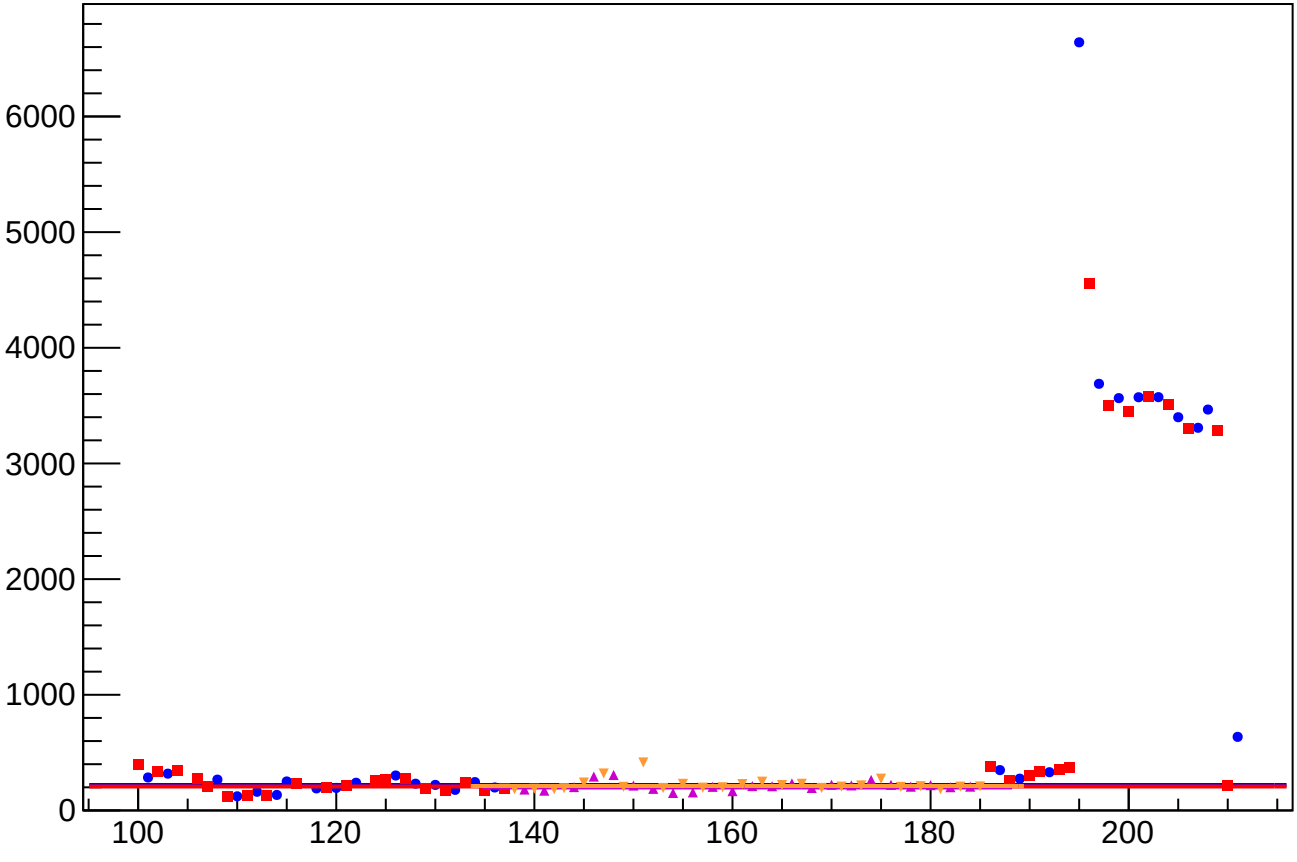
Left In: -399.798+/-47.819 χ^2/NDF:1232.0/22

+ sign 352.027+/-40.946 χ^2/NDF: 3271.7/52

All: 23.797+/-27.913 χ^2/NDF: 9026.3/108

- sign -261.185+/-38.153 χ^2/NDF: 5634.5/55

asym_bpm0l08WS_rms vs Slug



Right In: 220.173+/-0.052 χ^2/NDF: 13720139.0/27

Left Out: 211.496+/-0.035 χ^2/NDF:934978.4/24

Right Out: 207.150+/-0.045 χ^2/NDF: 13376742.6/32

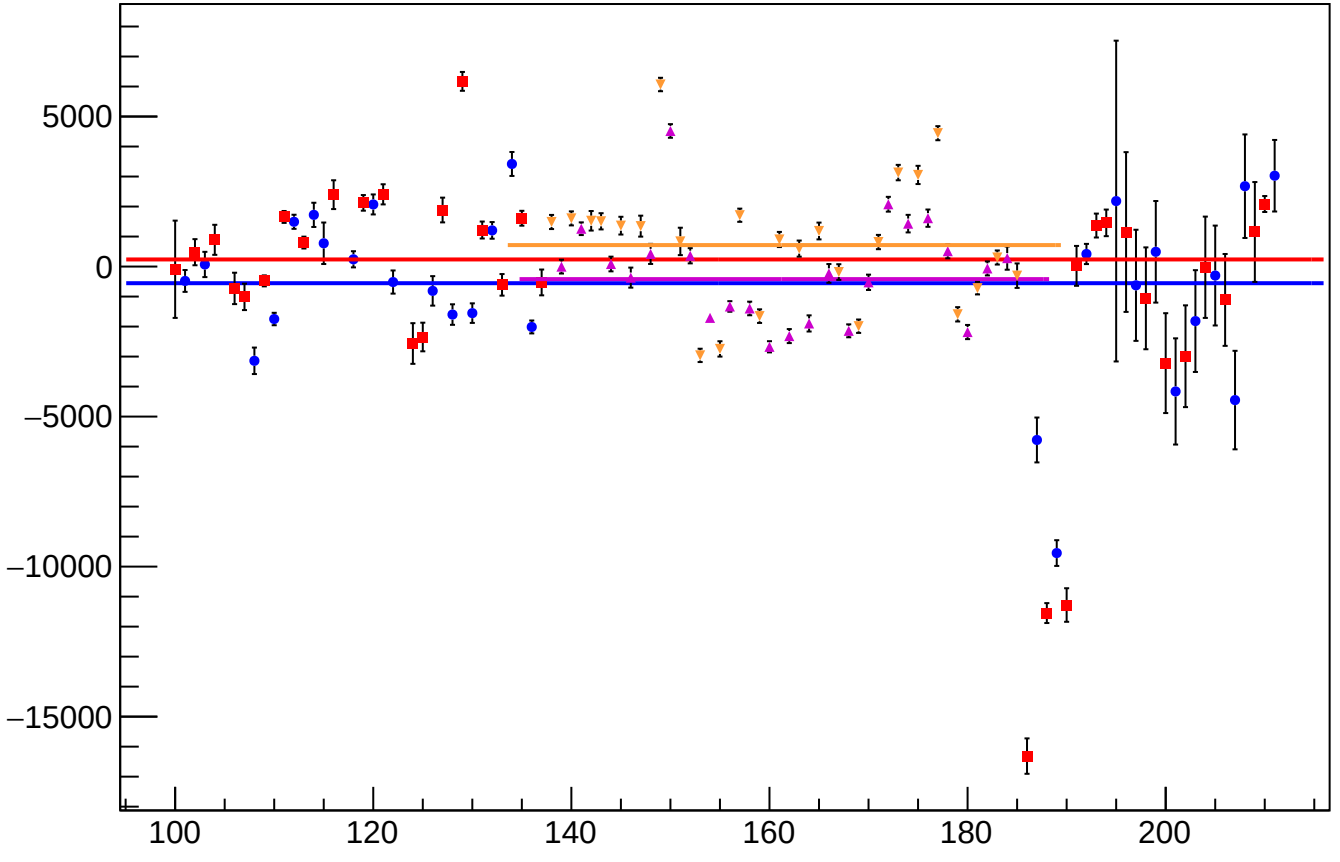
Left In: 198.524+/-0.034 χ^2/NDF:1006458.6/22

+ sign 214.163+/-0.029 χ^2/NDF: 14674241.6/52

All: 207.470+/-0.020 χ^2/NDF: 29180921.6/10

- sign 201.659+/-0.027 χ^2/NDF: 14406851.5/55

asym_bpm0l09WS_mean vs Slug



Right In: -554.645+/-74.638 χ^2/NDF: 976.6/27

Left Out: 715.643+/-51.110 χ^2/NDF:1918.0/24

Right Out: 236.878+/-64.935 χ^2/NDF: 3218.9/32

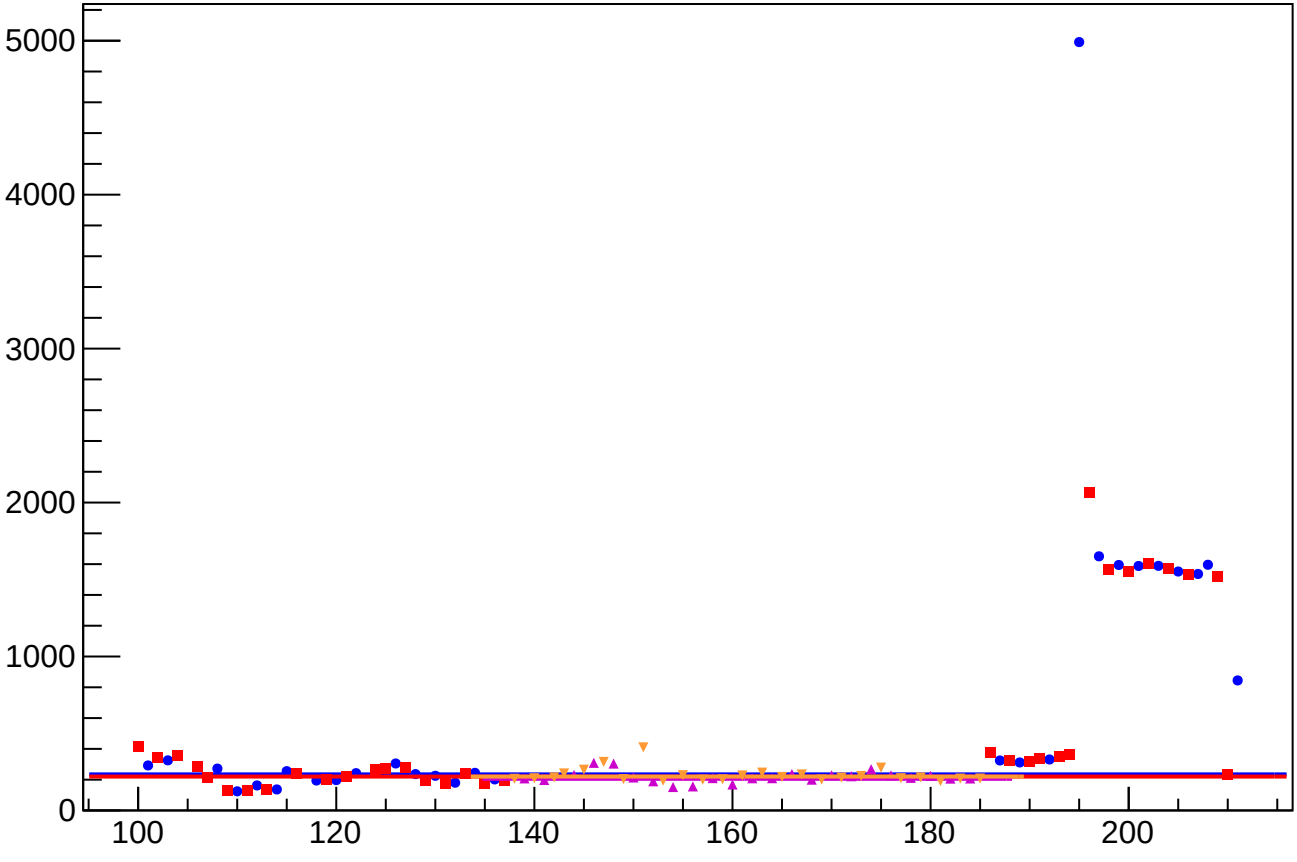
Left In: -418.574+/-49.523 χ^2/NDF:1241.0/22

+ sign 310.140+/-42.170 χ^2/NDF: 3091.7/52

All: 49.624+/-28.781 χ^2/NDF: 7687.4/108

- sign -177.534+/-39.378 χ^2/NDF: 4524.3/55

asym_bpm0l09WS_rms vs Slug



Right In: 234.385+/-0.053 χ^2/NDF: 12297059.1/27

Left Out: 220.145+/-0.036 χ^2/NDF:799699.4/24

Right Out: 220.138+/-0.046 χ^2/NDF: 11587823.8/32

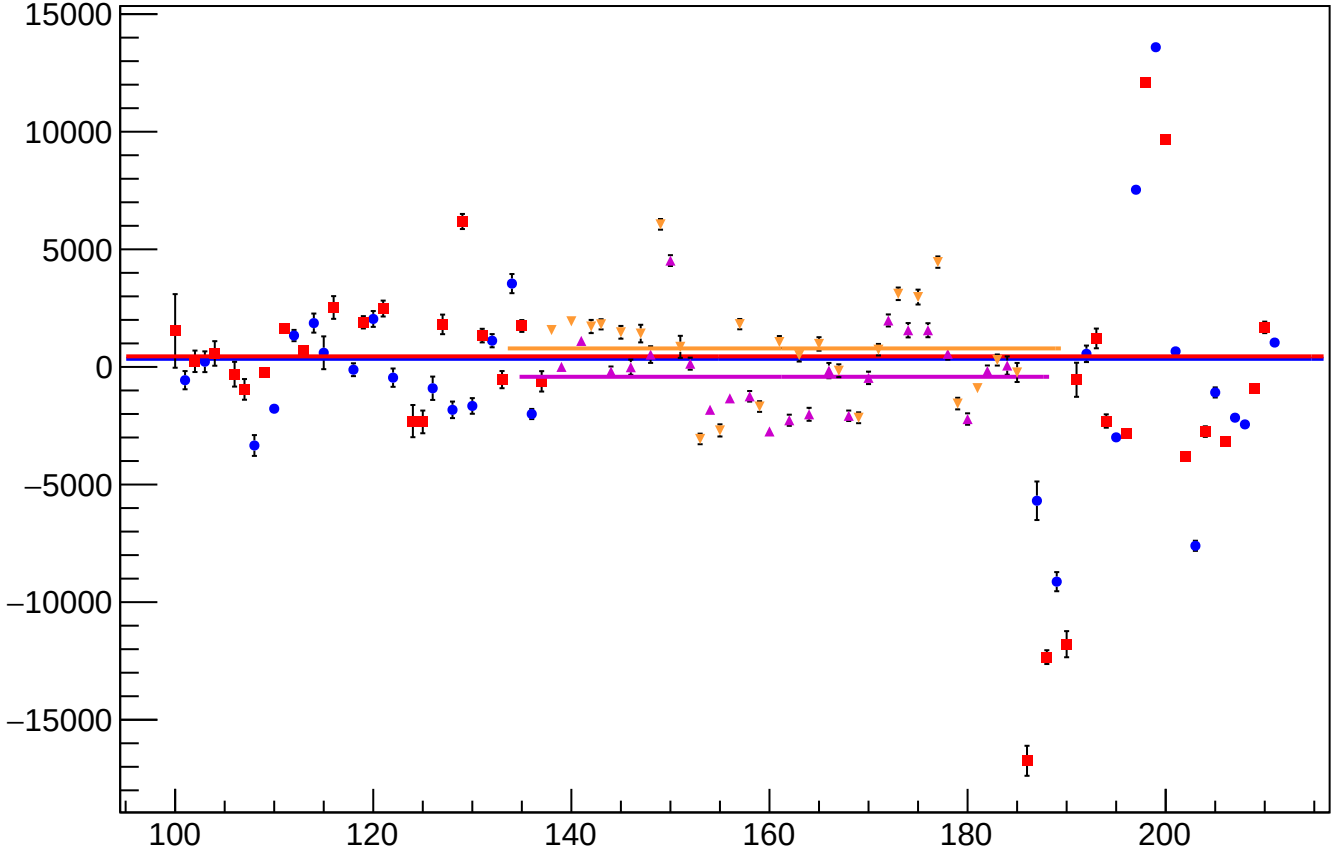
Left In: 205.481+/-0.035 χ^2/NDF:1013965.4/22

+ sign 224.691+/-0.030 χ^2/NDF: 13146317.6/52

All: 217.308+/-0.020 χ^2/NDF: 25927258.5/10

- sign 210.871+/-0.028 χ^2/NDF: 12666206.4/55

asym_bpm0l10WS_mean vs Slug



Right In: 345.298+/-51.403 χ^2/NDF: 9122.2/27

Left Out: 786.922+/-50.524 χ^2/NDF:1937.6/24

Right Out: 449.790+/-49.693 χ^2/NDF: 10354.1/32

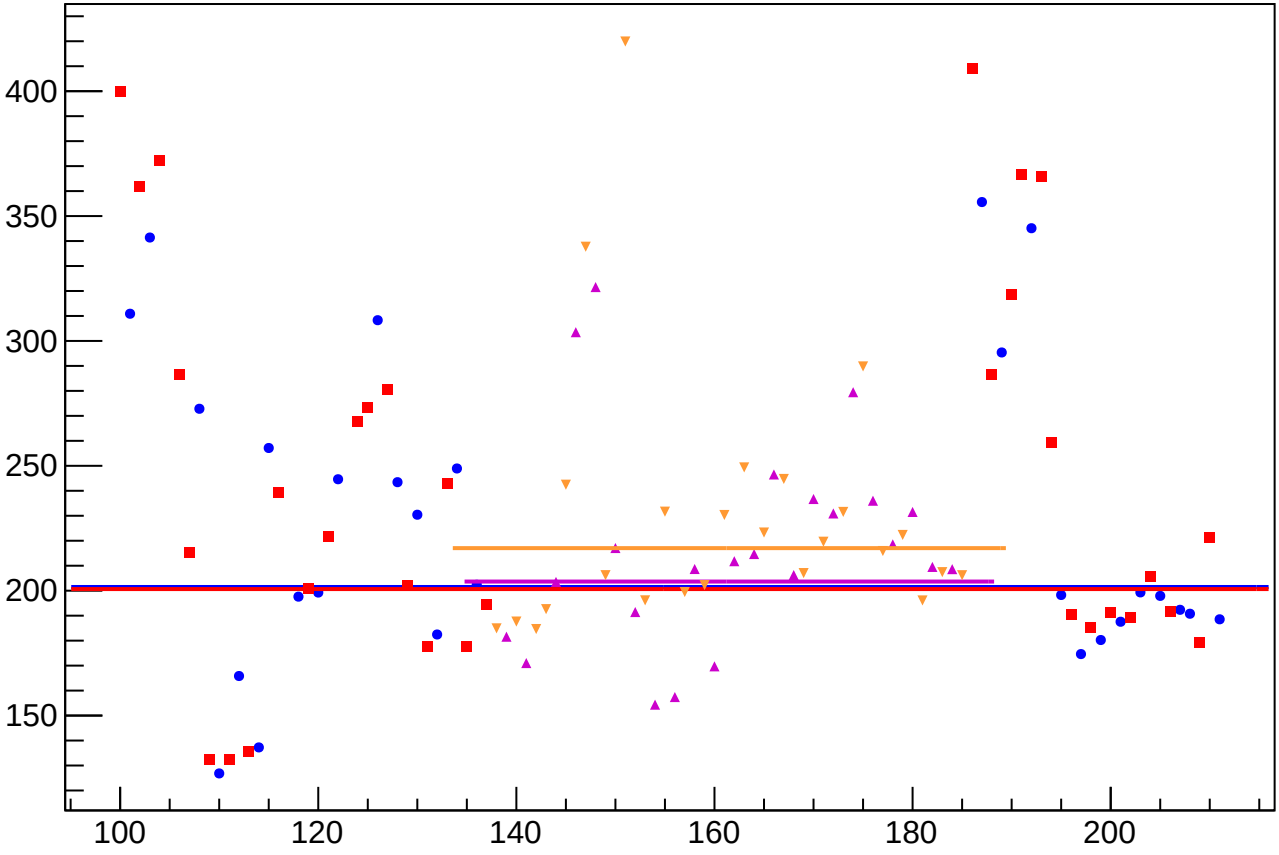
Left In: -418.824+/-49.152 χ^2/NDF:1211.0/22

+ sign 569.916+/-36.032 χ^2/NDF: 11097.3/52

All: 281.759+/-25.086 χ^2/NDF: 22941.0/108

- sign 10.728+/-34.945 χ^2/NDF: 11719.5/55

asym_bpm0l10WS_rms vs Slug



Right In: 201.482+/-0.036 χ^2/NDF: 1567830.9/27

Left Out: 217.040+/-0.036 χ^2/NDF:983170.6/24

Right Out: 200.650+/-0.035 χ^2/NDF: 2519022.1/32

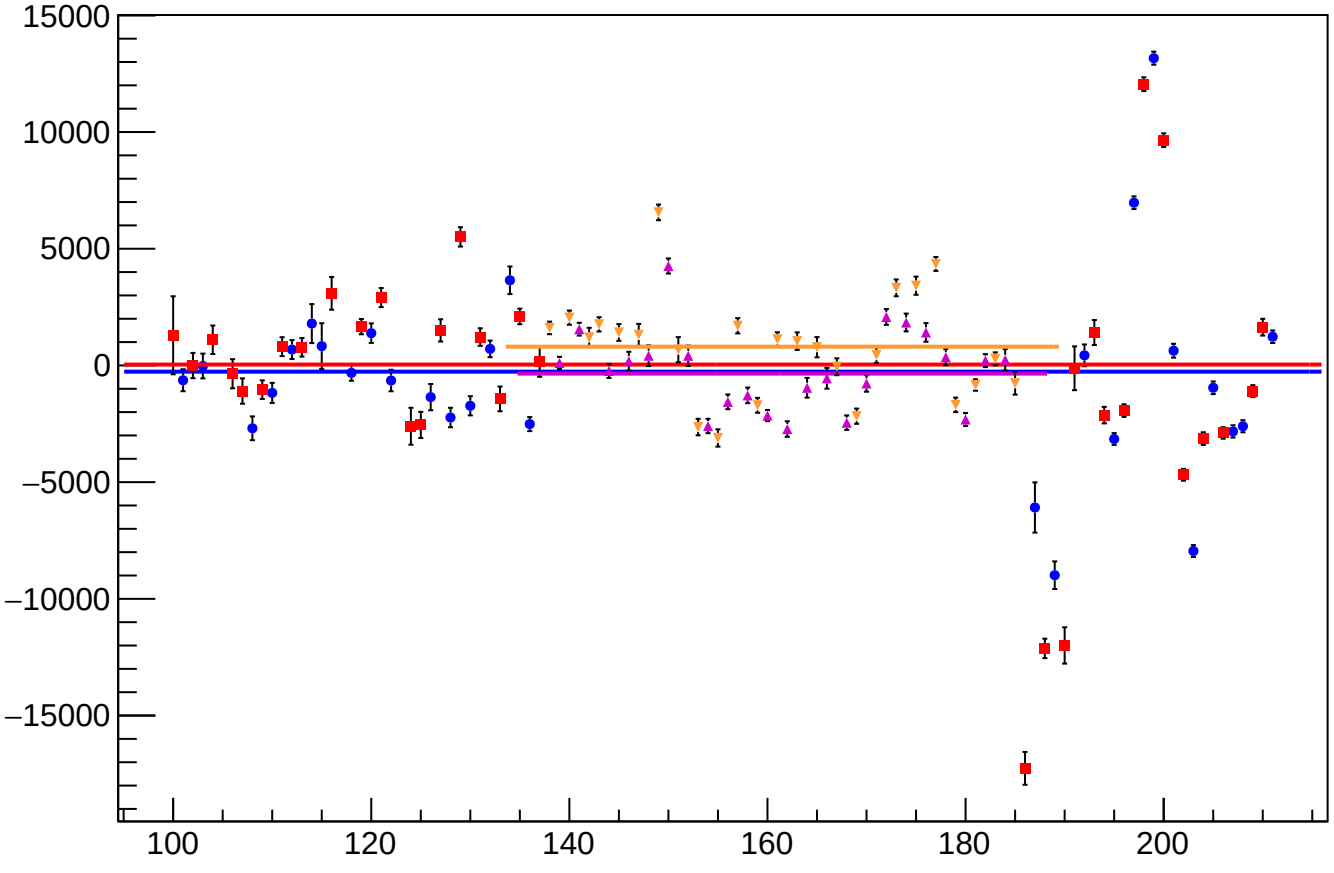
Left In: 203.660+/-0.035 χ^2/NDF:1165334.8/22

+ sign 209.395+/-0.025 χ^2/NDF: 2644189.6/52

All: 205.673+/-0.018 χ^2/NDF: 6373674.2/108

- sign 202.172+/-0.025 χ^2/NDF: 3688065.4/55

asym_bpm0r03WS_mean vs Slug



Right In: -265.964+/-68.097 χ^2/NDF: 4750.8/27

Left Out: 803.752+/-67.693 χ^2/NDF:1057.7/24

Right Out: 37.450+/-68.534 χ^2/NDF: 5564.9/32

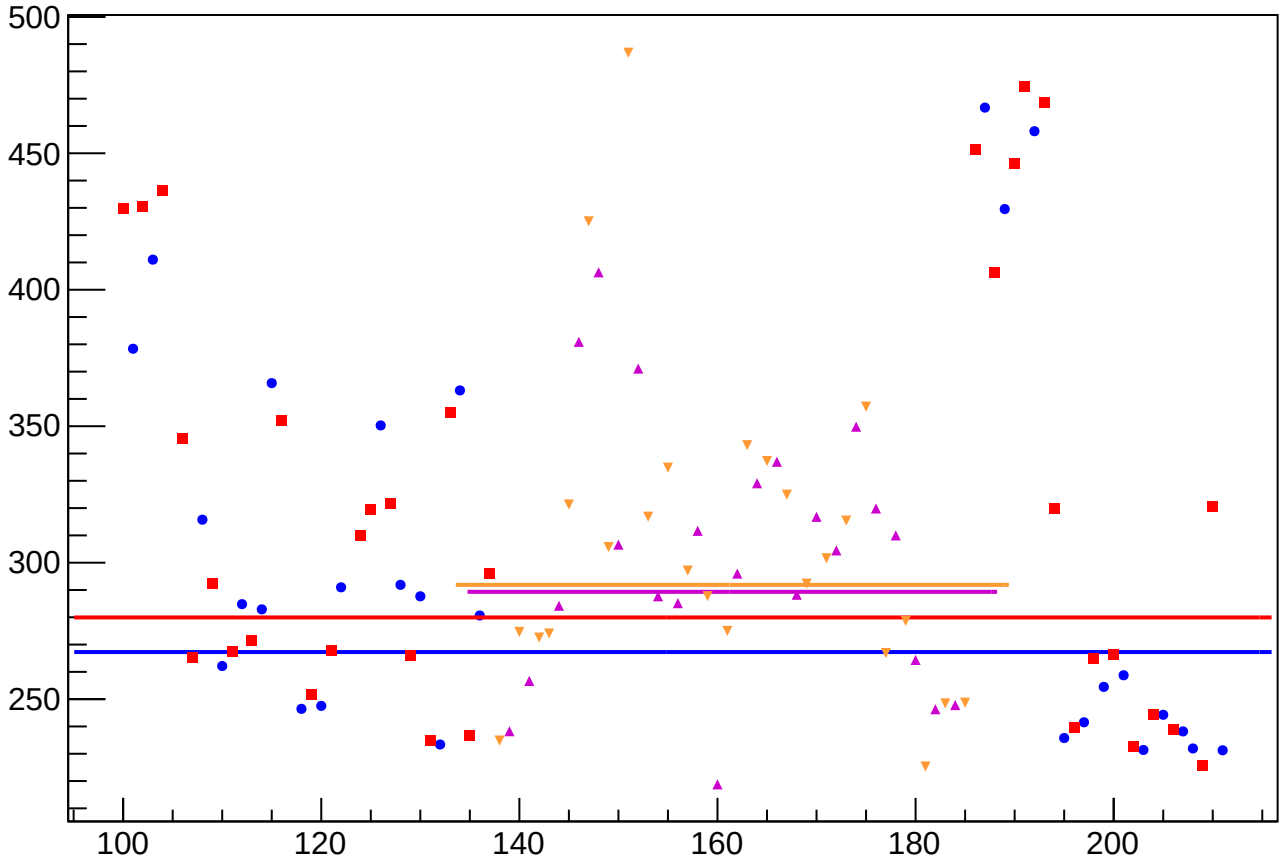
Left In: -350.095+/-68.985 χ^2/NDF:656.1/22

+ sign 272.079+/-48.008 χ^2/NDF: 5932.6/52

All: 61.214+/-34.161 χ^2/NDF: 12208.5/108

- sign -155.054+/-48.620 χ^2/NDF: 6236.8/55

asym_bpm0r03WS_rms vs Slug



Right In: 267.263+/-0.048 χ^2/NDF: 1210492.9/27

Left Out: 291.882+/-0.048 χ^2/NDF:959919.3/24

Right Out: 279.941+/-0.048 χ^2/NDF: 1584462.5/32

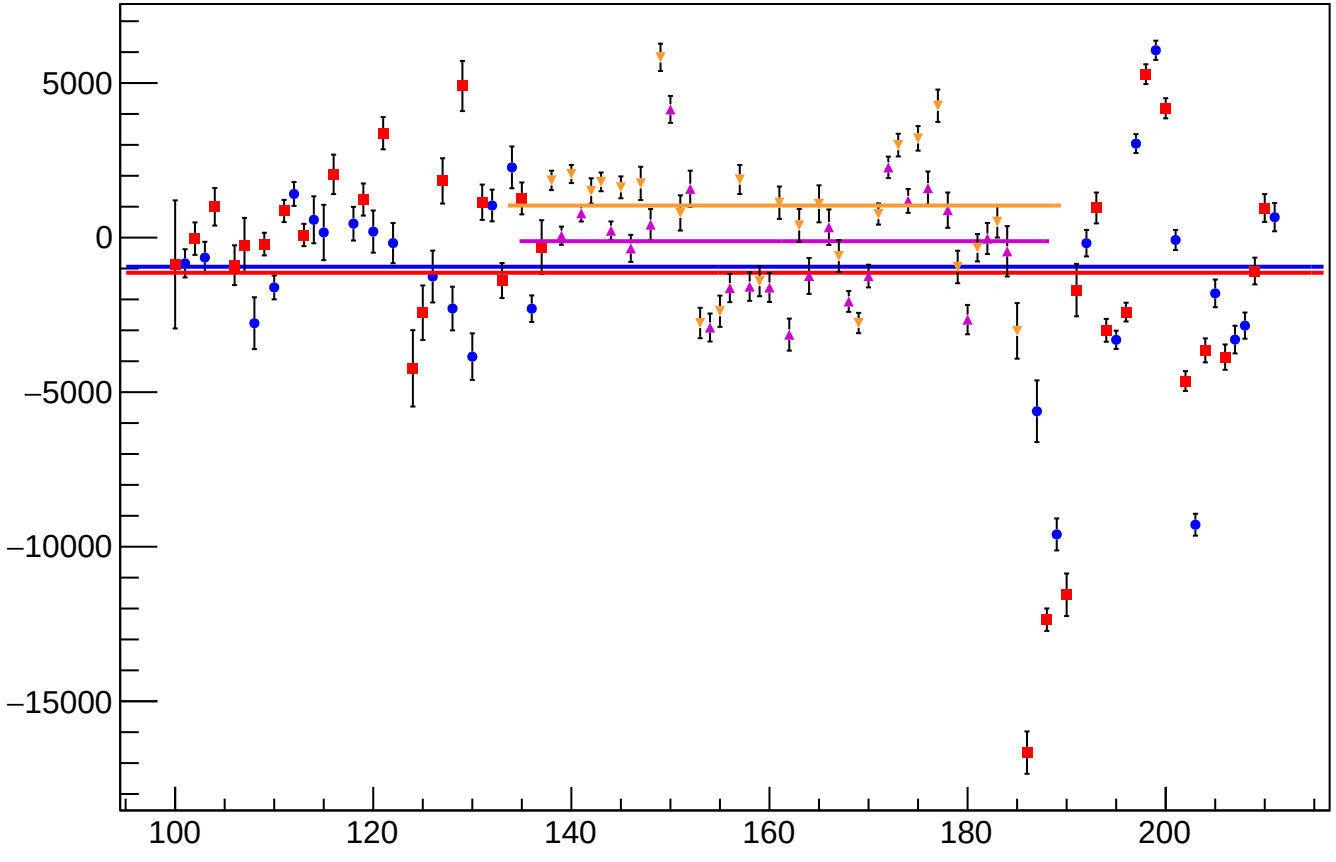
Left In: 289.321+/-0.049 χ^2/NDF:808605.3/22

+ sign 279.646+/-0.034 χ^2/NDF: 2301900.8/52

All: 282.092+/-0.024 χ^2/NDF: 4724094.1/108

- sign 284.600+/-0.034 χ^2/NDF: 2411678.7/55

asym_bpm0r05WS_mean vs Slug



Right In: -942.360+/-87.211 χ^2/NDF: 1800.8/27

Left Out: 1037.330+/-85.200 χ^2/NDF:570.2/24

Right Out: -1136.578+/-82.572 χ^2/NDF: 2959.1/32

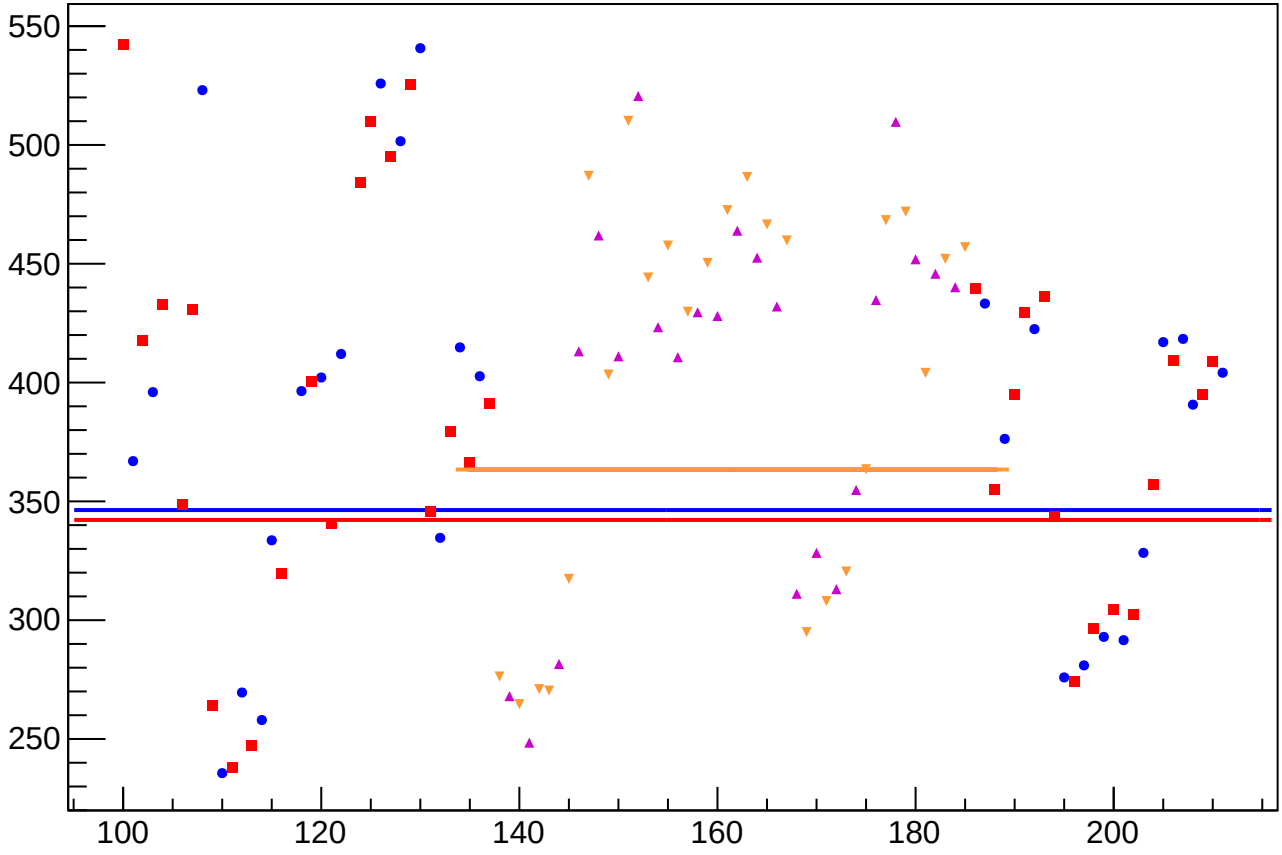
Left In: -117.211+/-87.461 χ^2/NDF:370.4/22

+ sign 70.573+/-60.944 χ^2/NDF: 2634.7/52

All: -298.227+/-42.771 χ^2/NDF: 6108.1/108

- sign -656.181+/-60.041 χ^2/NDF: 3401.3/55

asym_bpm0r05WS_rms vs Slug



Right In: 346.343+/-0.062 χ^2/NDF: 1377470.4/27

Left Out: 363.387+/-0.060 χ^2/NDF:1940497.4/24

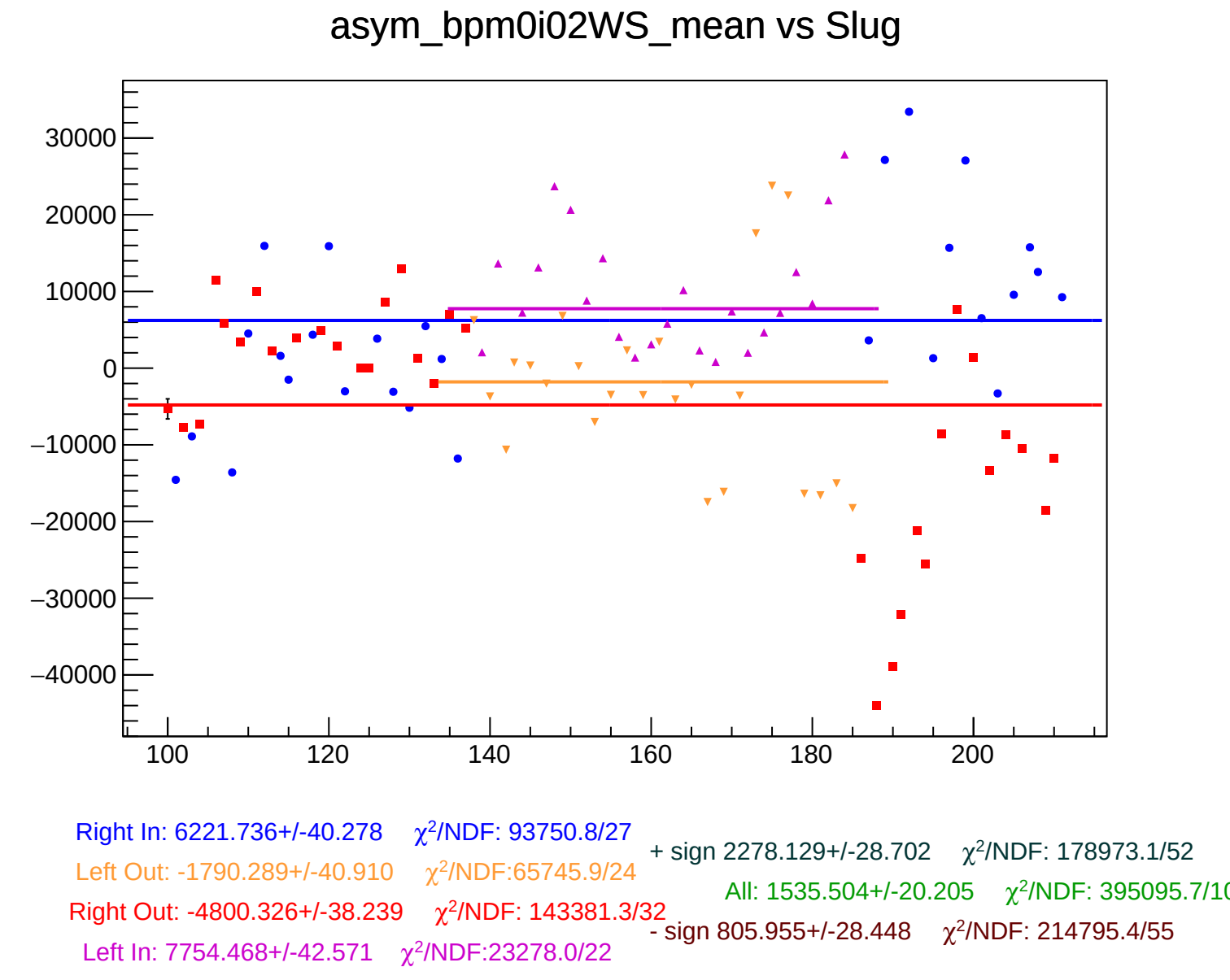
Right Out: 342.186+/-0.058 χ^2/NDF: 1332001.0/32

Left In: 363.386+/-0.062 χ^2/NDF:1711599.2/22

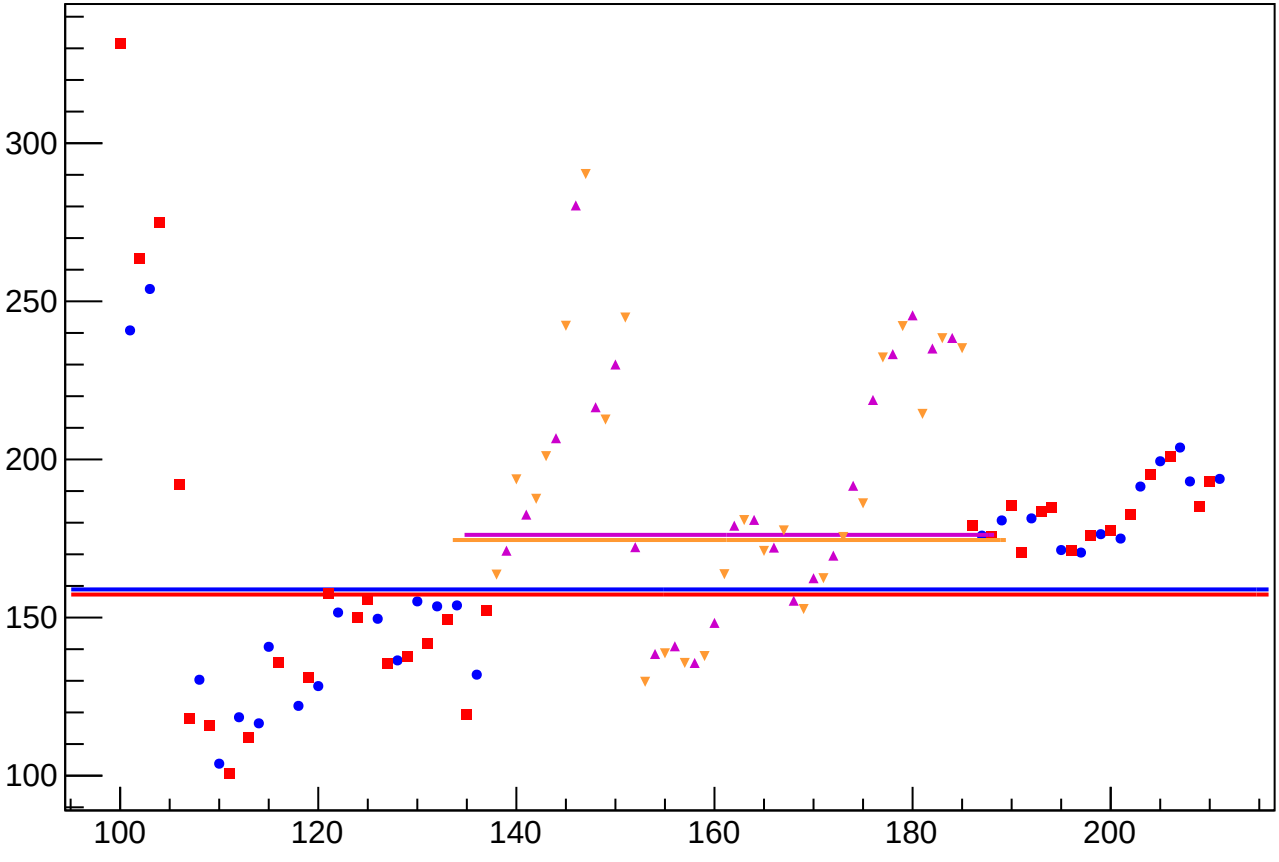
+ sign 355.064+/-0.043 χ^2/NDF: 3357055.0/52

All: 353.599+/-0.030 χ^2/NDF: 6465063.5/108

- sign 352.177+/-0.042 χ^2/NDF: 3105731.9/55


asym_bpm0i02WS_mean vs Slug
30000
20000
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
Right In: 6221.736+/-40.278 χ²/NDF: 93750.8/27
Left Out: -1790.289+/-40.910 χ²/NDF:65745.9/24
Right Out: -4800.326+/-38.239 χ²/NDF: 143381.3/32
Left In: 7754.468+/-42.571 χ²/NDF:23278.0/22
+ sign 2278.129+/-28.702 χ²/NDF: 178973.1/52
All: 1535.504+/-20.205 χ²/NDF: 395095.7/10
- sign 805.955+/-28.448 χ²/NDF: 214795.4/55

asym_bpm0i02WS_rms vs Slug



Right In: 158.901+/-0.028 χ^2/NDF: 1344142.7/27

Left Out: 174.520+/-0.029 χ^2/NDF:1659469.6/24

Right Out: 157.280+/-0.027 χ^2/NDF: 1712288.9/32

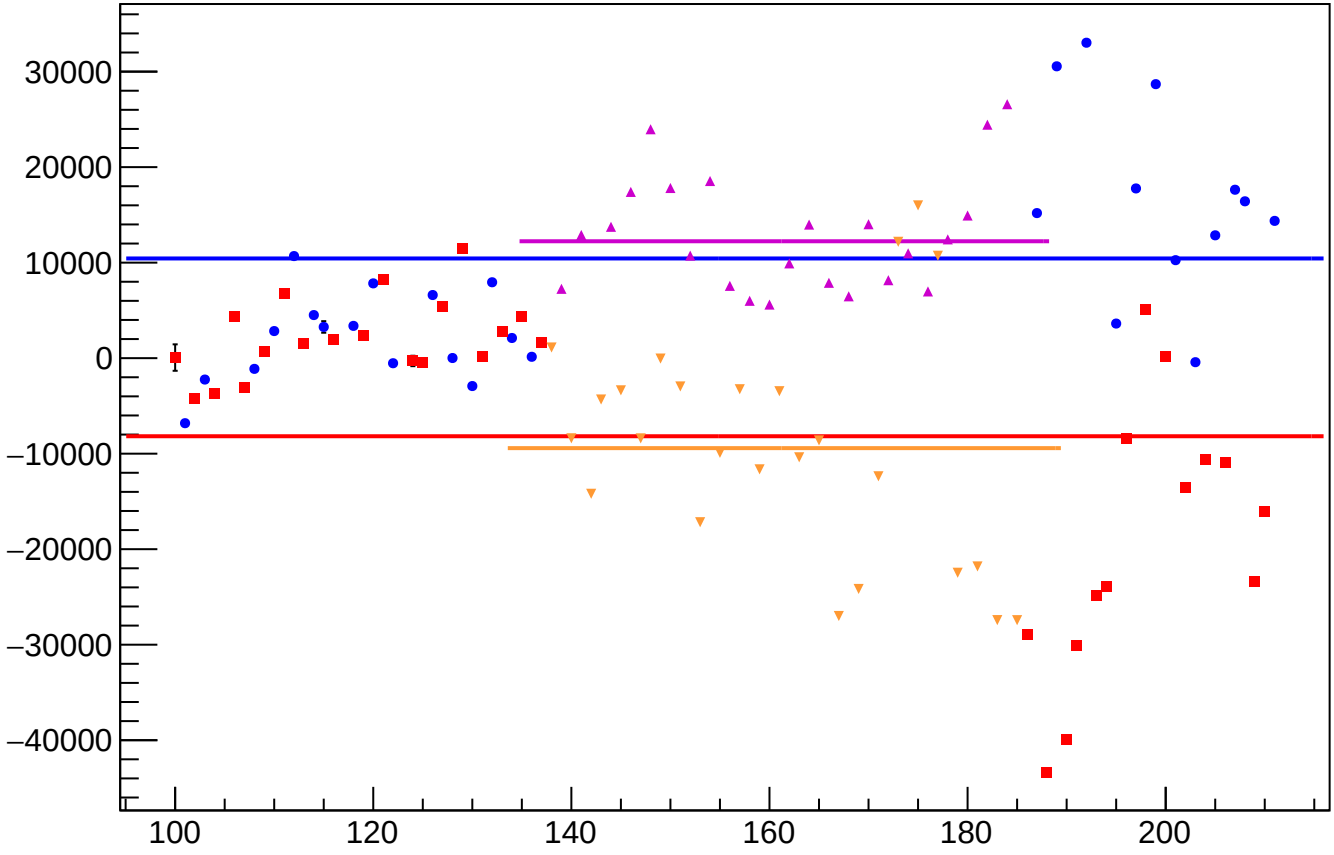
Left In: 176.155+/-0.030 χ^2/NDF:1367059.2/22

+ sign 166.589+/-0.020 χ^2/NDF: 3151653.6/52

All: 166.145+/-0.014 χ^2/NDF: 6449536.1/108

- sign 165.708+/-0.020 χ^2/NDF: 3296932.6/55

asym_bpm0i02aWS_mean vs Slug



Right In: 10437.624+/-44.658 χ^2/NDF: 54209.9/27

Left Out: -9420.181+/-45.698 χ^2/NDF:64719.0/24

Right Out: -8175.200+/-42.178 χ^2/NDF: 114621.7/32

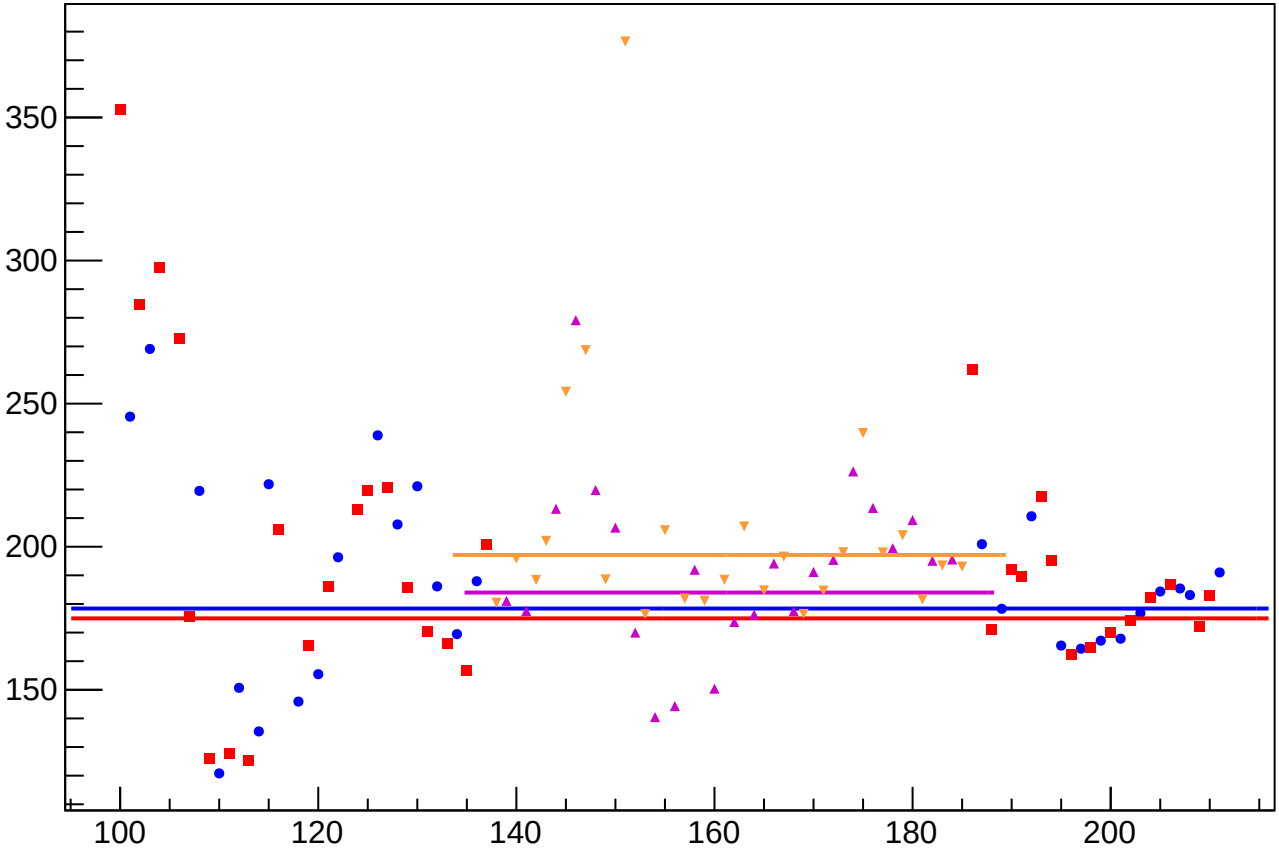
Left In: 12238.678+/-44.195 χ^2/NDF:16015.8/22

+ sign 737.175+/-31.939 χ^2/NDF: 215516.1/52

All: 1164.927+/-22.063 χ^2/NDF: 458153.7/10

- sign 1555.315+/-30.513 χ^2/NDF: 242294.6/55

asym_bpm0i02aWS_rms vs Slug



Right In: 178.406+/-0.032 χ^2/NDF: 774400.0/27

Left Out: 197.122+/-0.032 χ^2/NDF:732529.8/24

Right Out: 174.958+/-0.030 χ^2/NDF: 1209840.5/32

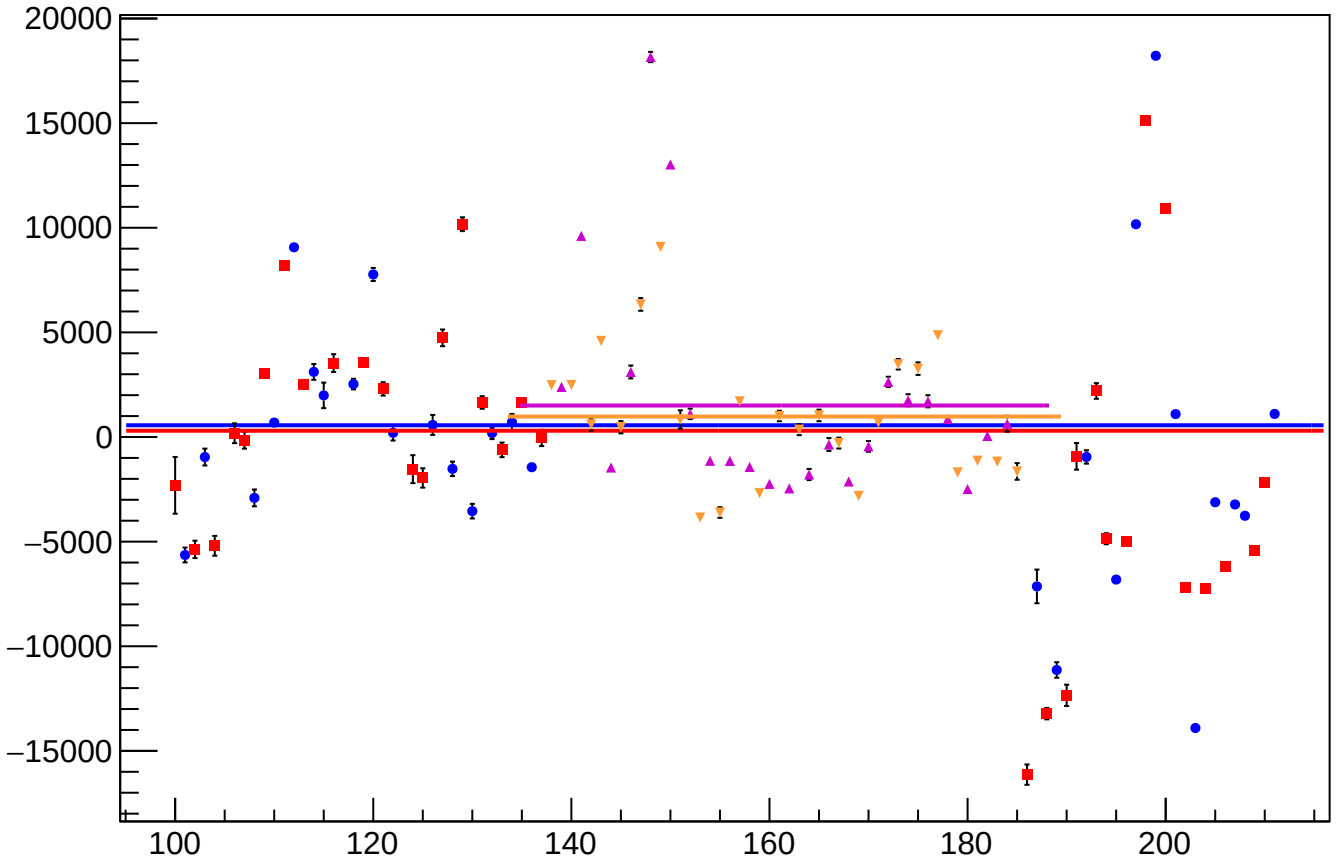
Left In: 183.985+/-0.031 χ^2/NDF:829778.1/22

+ sign 187.549+/-0.023 χ^2/NDF: 1678532.9/52

All: 183.216+/-0.016 χ^2/NDF: 3832225.1/108

- sign 179.261+/-0.022 χ^2/NDF: 2083286.4/55

asym_bpm0i05WS_mean vs Slug



Right In: 561.544+/-50.175 χ^2/NDF: 21462.3/27

Left Out: 978.429+/-49.607 χ^2/NDF:4322.9/24

Right Out: 300.524+/-47.469 χ^2/NDF: 21944.7/32

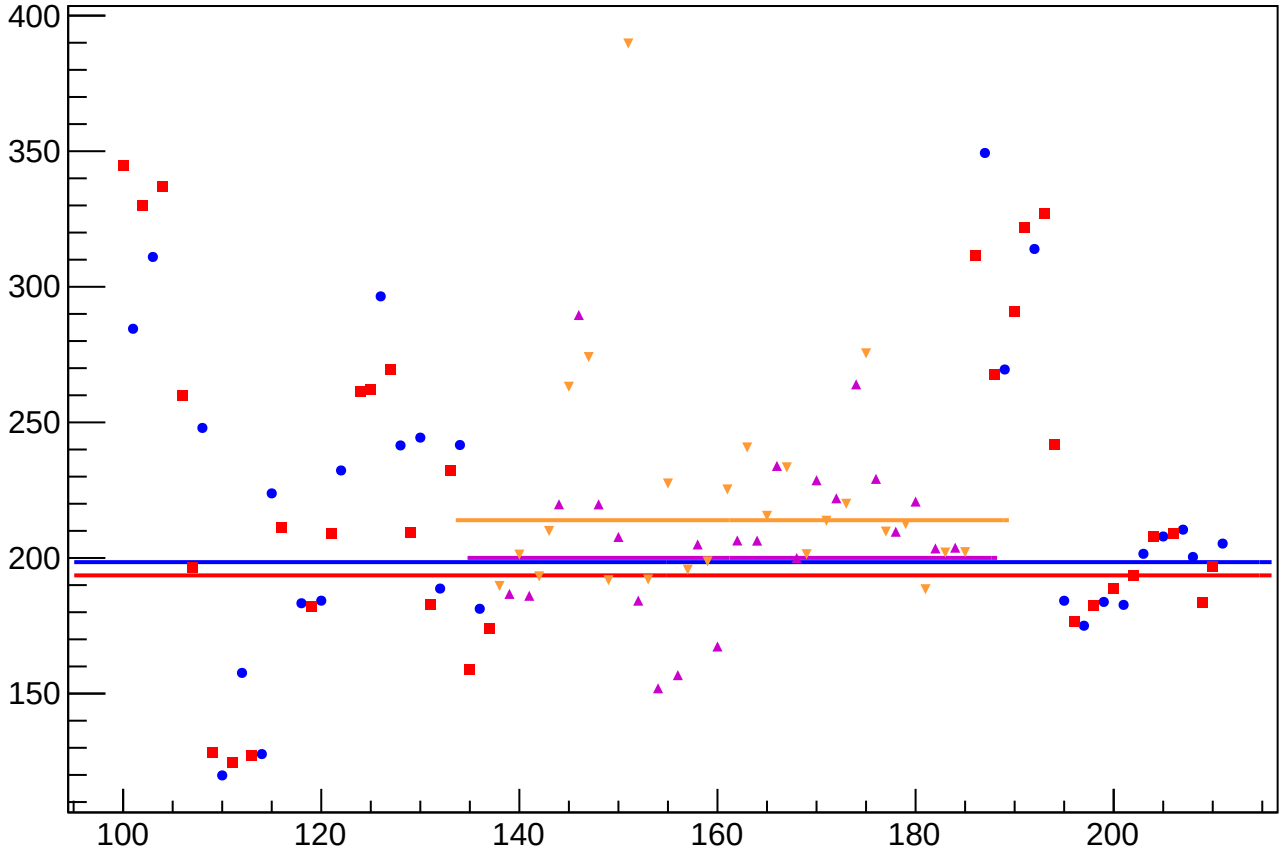
Left In: 1505.093+/-48.051 χ^2/NDF:11480.6/22

+ sign 772.362+/-35.277 χ^2/NDF: 25820.2/52

All: 836.602+/-24.394 χ^2/NDF: 59569.8/108

- sign 895.470+/-33.769 χ^2/NDF: 33743.3/55

asym_bpm0i05WS_rms vs Slug



Right In: 198.470+/-0.035 χ^2/NDF: 1453561.2/27

Left Out: 213.931+/-0.035 χ^2/NDF:733638.6/24

Right Out: 193.586+/-0.034 χ^2/NDF: 2259810.6/32

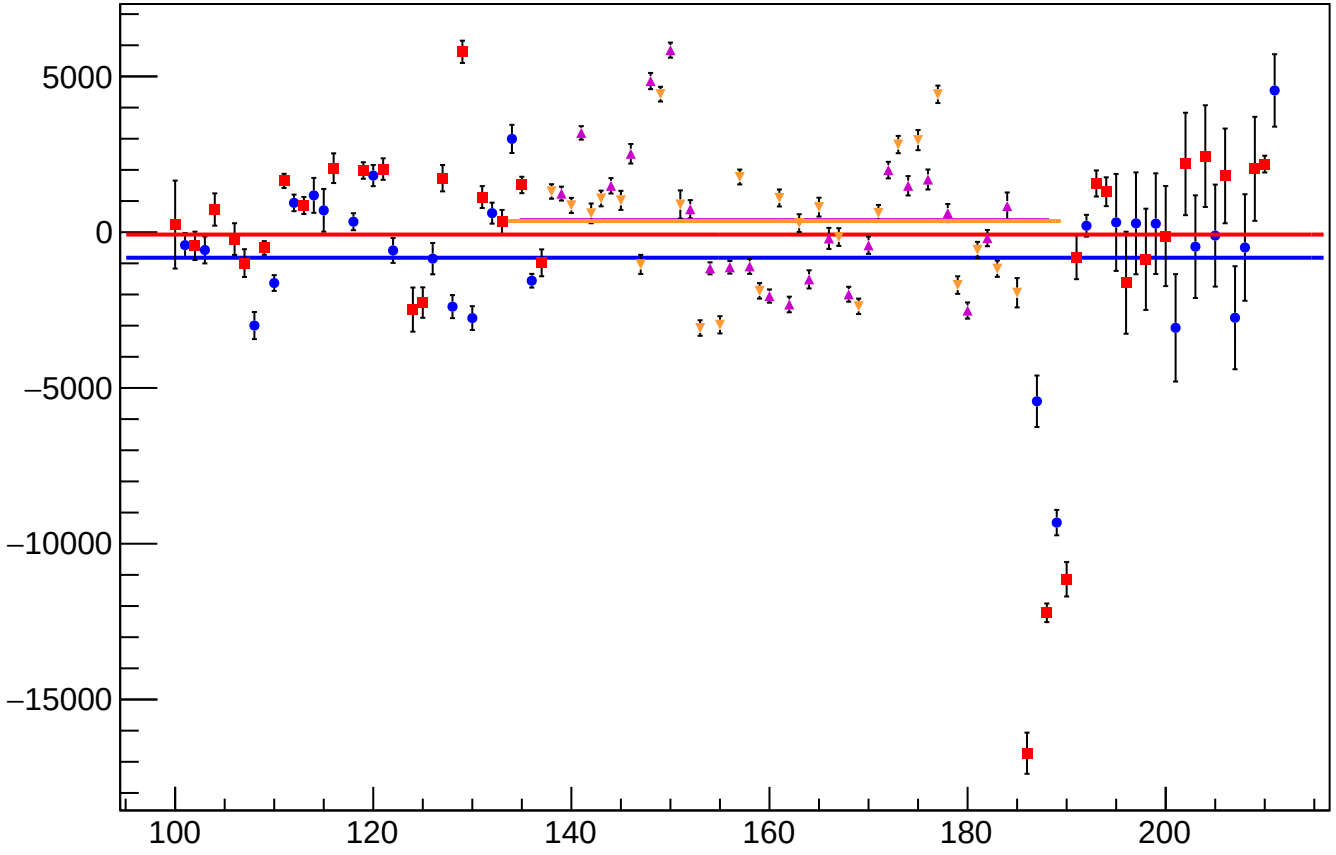
Left In: 200.031+/-0.034 χ^2/NDF:785525.4/22

+ sign 206.289+/-0.025 χ^2/NDF: 2283234.3/52

All: 201.321+/-0.017 χ^2/NDF: 5422780.1/108

- sign 196.769+/-0.024 χ^2/NDF: 3063544.5/55

asym_bpm0i07WS_mean vs Slug



Right In: -819.767+/-80.998 χ^2/NDF: 822.5/27

Left Out: 358.680+/-54.992 χ^2/NDF:1418.9/24

Right Out: -76.020+/-71.042 χ^2/NDF: 3353.0/32

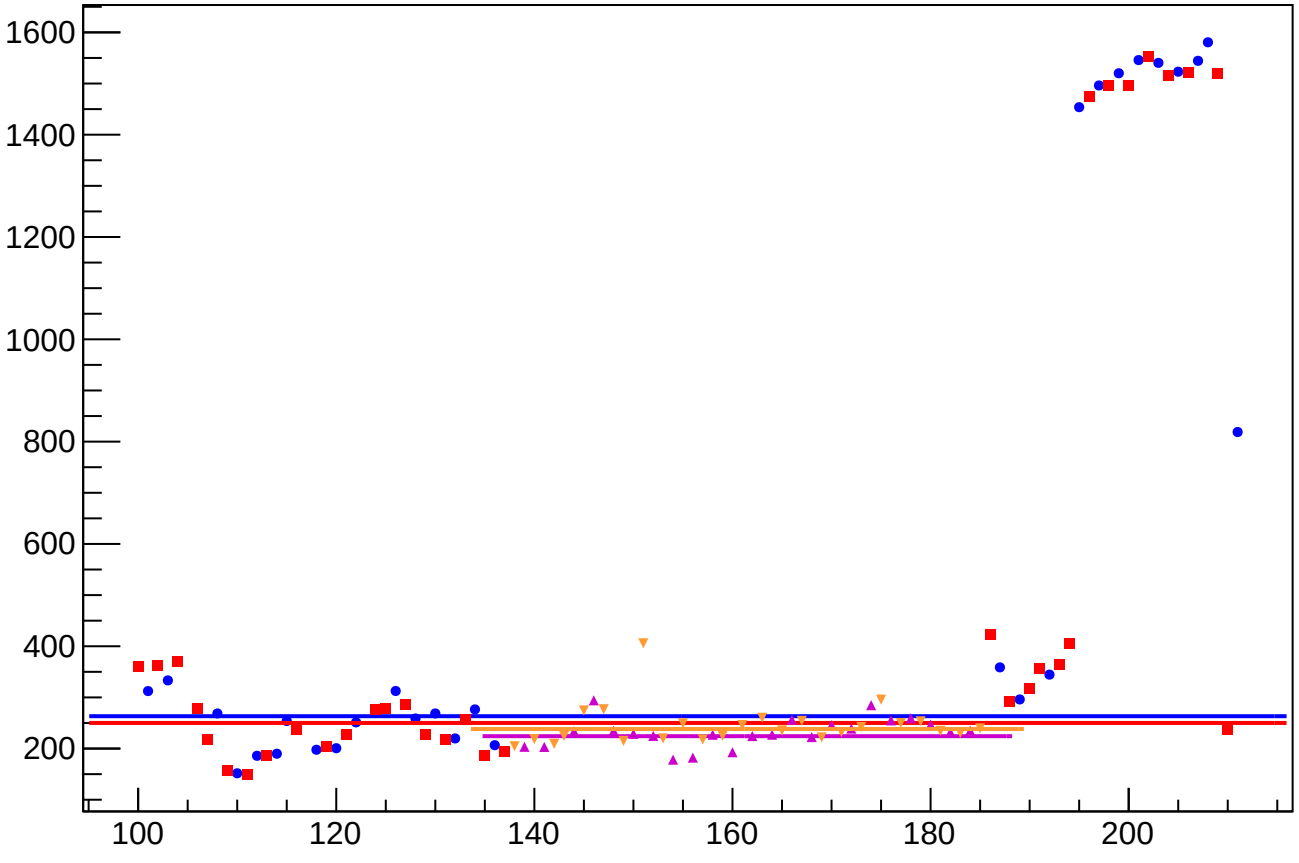
Left In: 386.941+/-53.528 χ^2/NDF:1804.2/22

+ sign -13.131+/-45.497 χ^2/NDF: 2386.2/52

All: 110.302+/-31.155 χ^2/NDF: 7584.4/108

- sign 219.287+/-42.751 χ^2/NDF: 5184.3/55

asym_bpm0i07WS_rms vs Slug



Right In: 263.278+/-0.057 χ^2/NDF: 11052634.4/27

Left Out: 238.199+/-0.039 χ^2/NDF:567935.3/24

Right Out: 250.091+/-0.050 χ^2/NDF: 10529777.9/32

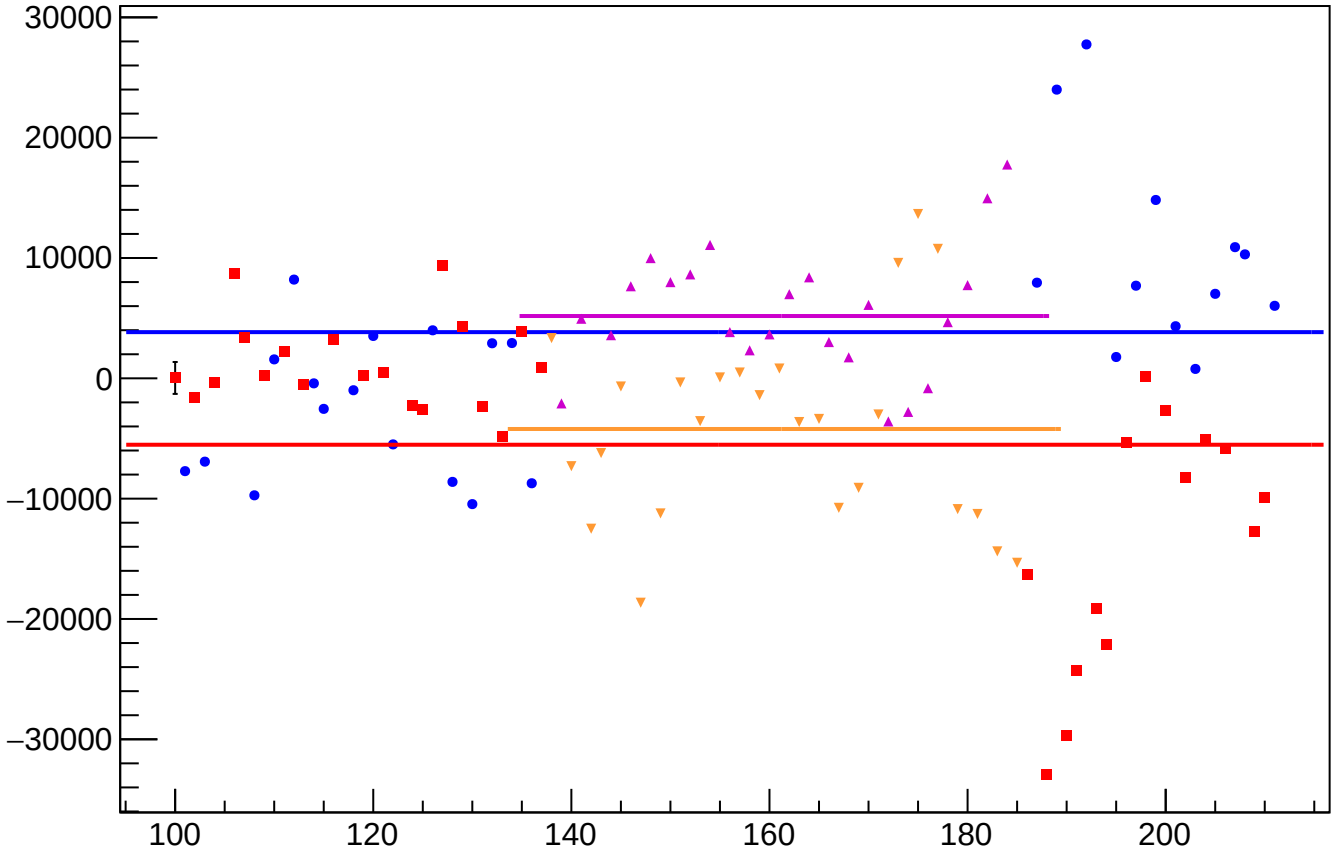
Left In: 224.212+/-0.038 χ^2/NDF:563231.1/22

+ sign 246.112+/-0.032 χ^2/NDF: 11751812.1/52

All: 239.458+/-0.022 χ^2/NDF: 23094652.4/10

- sign 233.584+/-0.030 χ^2/NDF: 11262300.5/55

asym_bpm1i02WS_mean vs Slug



Right In: 3838.879+/-34.192 χ^2/NDF: 79516.3/27

Left Out: -4210.601+/-30.828 χ^2/NDF:56802.7/24

Right Out: -5519.790+/-32.287 χ^2/NDF: 105304.6/32

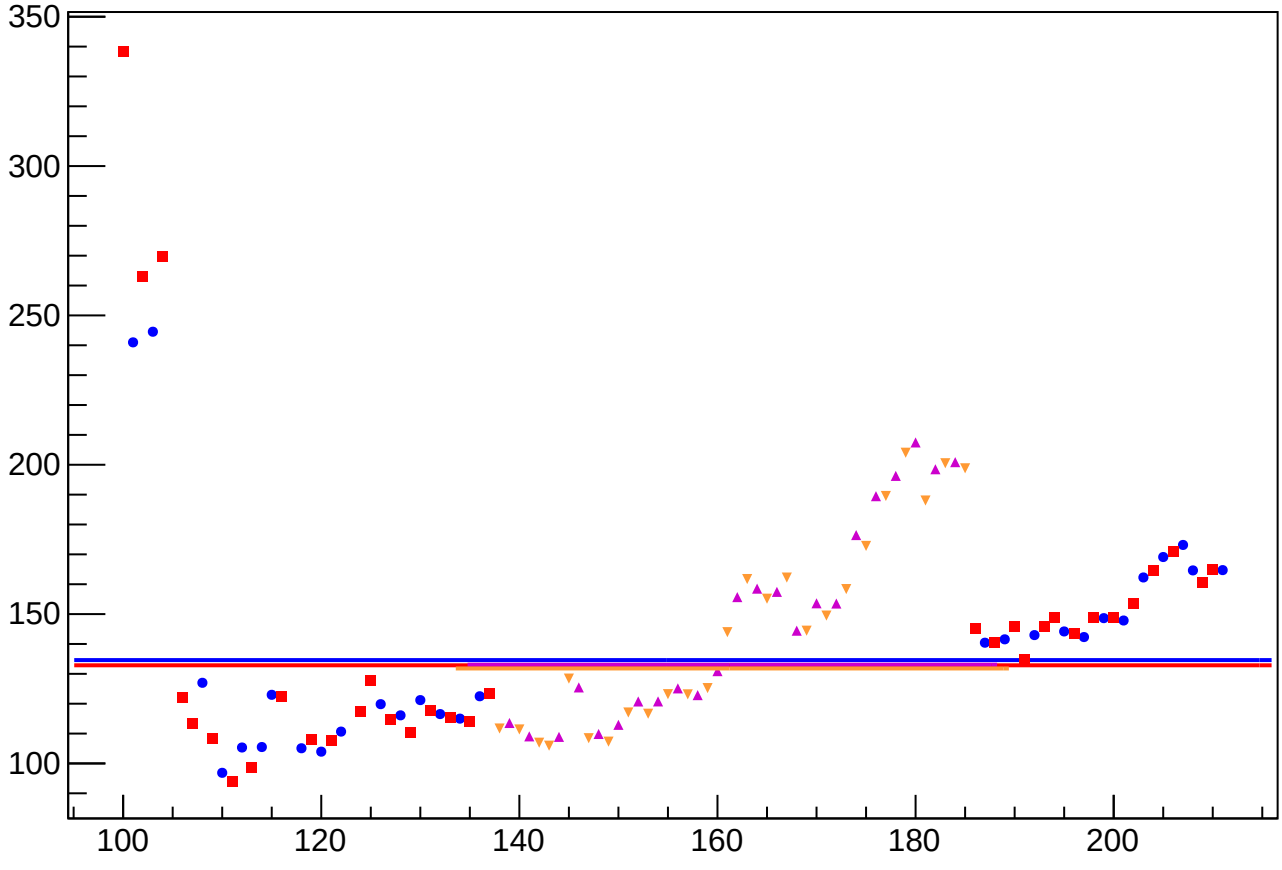
Left In: 5178.213+/-31.969 χ^2/NDF:18541.3/22

+ sign -601.155+/-22.896 χ^2/NDF: 166889.9/52

All: -357.667+/-16.126 χ^2/NDF: 346397.2/10

- sign -117.969+/-22.717 χ^2/NDF: 179282.8/55

asym_bpm1i02WS_rms vs Slug



Right In: 134.602+/-0.024 χ^2/NDF: 1340187.5/27

Left Out: 131.798+/-0.022 χ^2/NDF:1544340.3/24

Right Out: 132.859+/-0.023 χ^2/NDF: 1566001.7/32

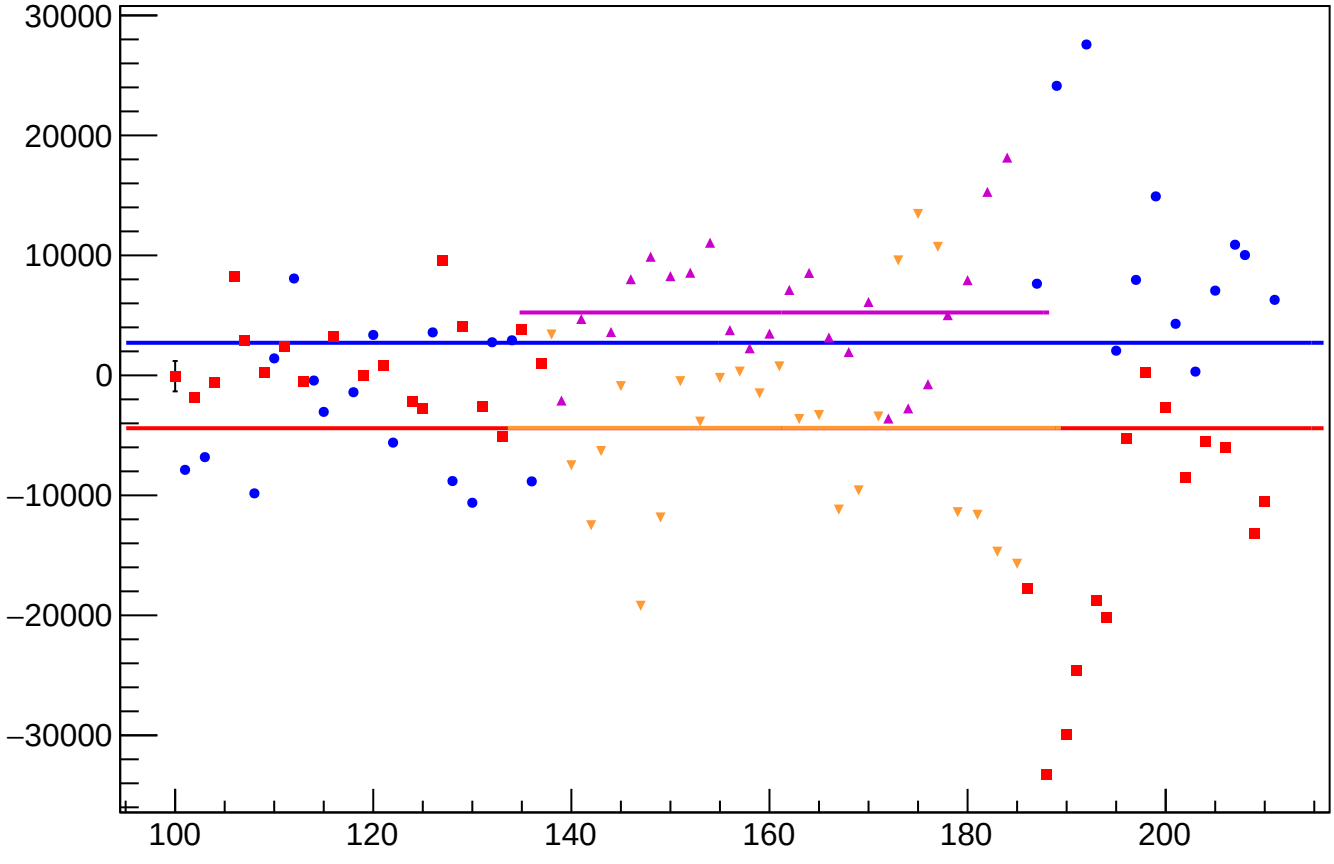
Left In: 133.061+/-0.023 χ^2/NDF:1418252.2/22

+ sign 133.055+/-0.016 χ^2/NDF: 2891949.8/52

All: 133.008+/-0.011 χ^2/NDF: 5876260.1/108

- sign 132.961+/-0.016 χ^2/NDF: 2984293.4/55

asym_bpm1i04WS_mean vs Slug



Right In: 2716.044+/-30.772 χ^2/NDF: 88950.9/27

Left Out: -4372.743+/-27.955 χ^2/NDF:67218.5/24

Right Out: -4405.089+/-29.222 χ^2/NDF: 115134.1/32

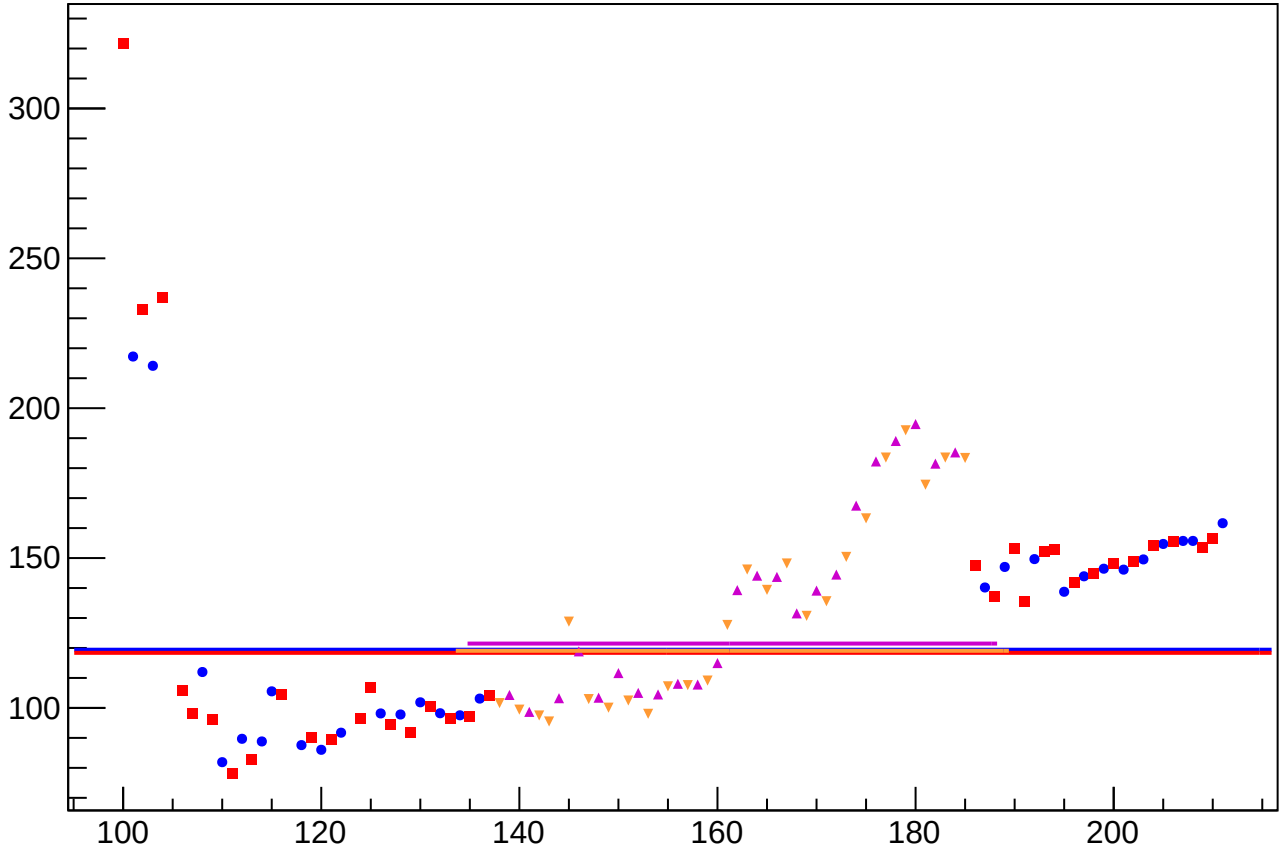
Left In: 5239.784+/-29.252 χ^2/NDF:22273.2/22

+ sign -1167.555+/-20.692 χ^2/NDF: 185243.0/52

All: -376.824+/-14.625 χ^2/NDF: 379980.7/10

- sign 412.537+/-20.674 χ^2/NDF: 191819.5/55

asym_bpm1i04WS_rms vs Slug



Right In: 119.419+/-0.022 χ^2/NDF: 2079389.2/27

Left Out: 119.064+/-0.020 χ^2/NDF:1755428.3/24

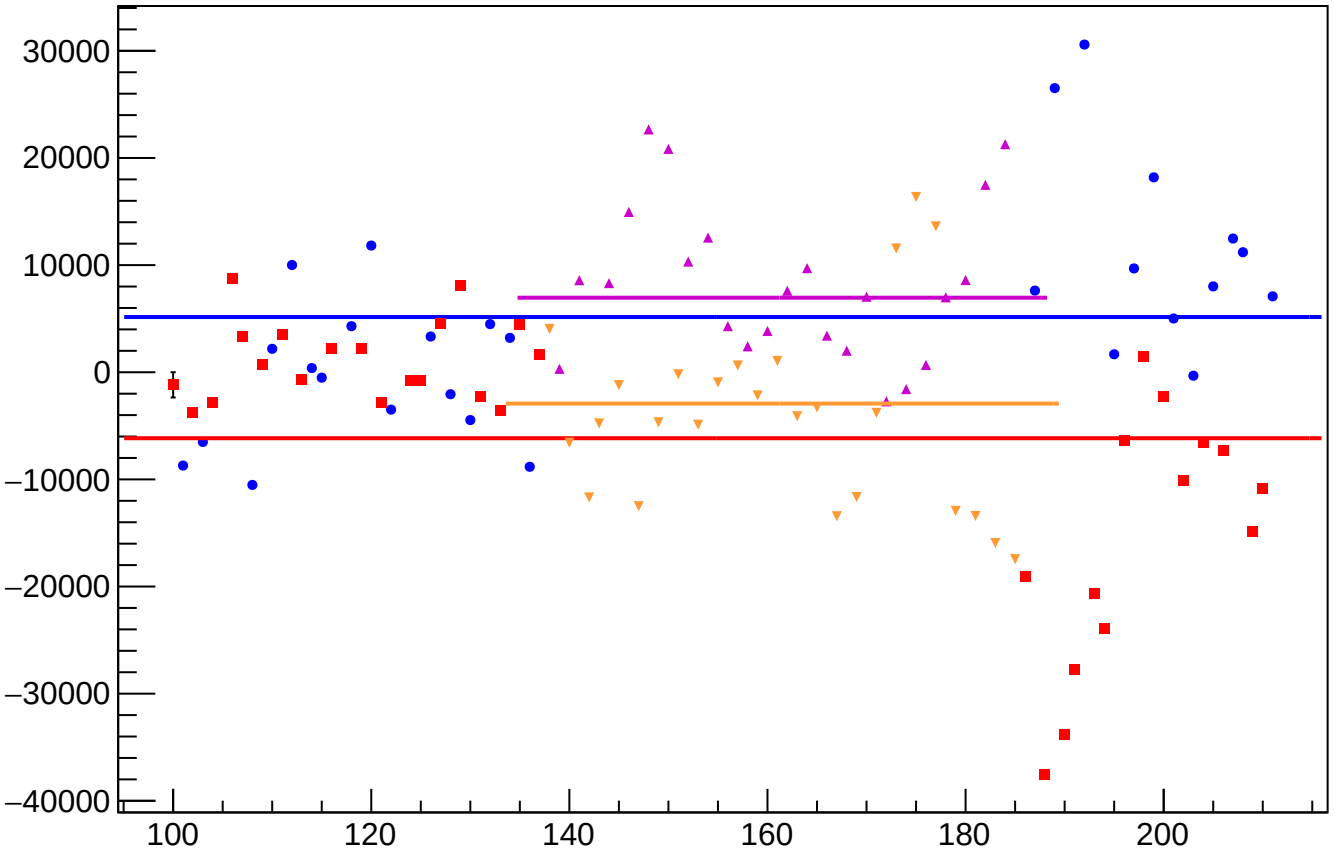
Right Out: 118.381+/-0.021 χ^2/NDF: 2456924.0/32

Left In: 121.468+/-0.021 χ^2/NDF:1529379.8/22

+ sign 119.225+/-0.015 χ^2/NDF: 3834962.9/52

All: 119.574+/-0.010 χ^2/NDF: 7833552.2/108

- sign 119.923+/-0.015 χ^2/NDF: 3997448.5/55



Right In: 5153.996+/-40.386 χ^2/NDF: 63326.9/27

Left Out: -2923.060+/-38.185 χ^2/NDF:38052.4/24

Right Out: -6157.649+/-38.396 χ^2/NDF: 94708.0/32

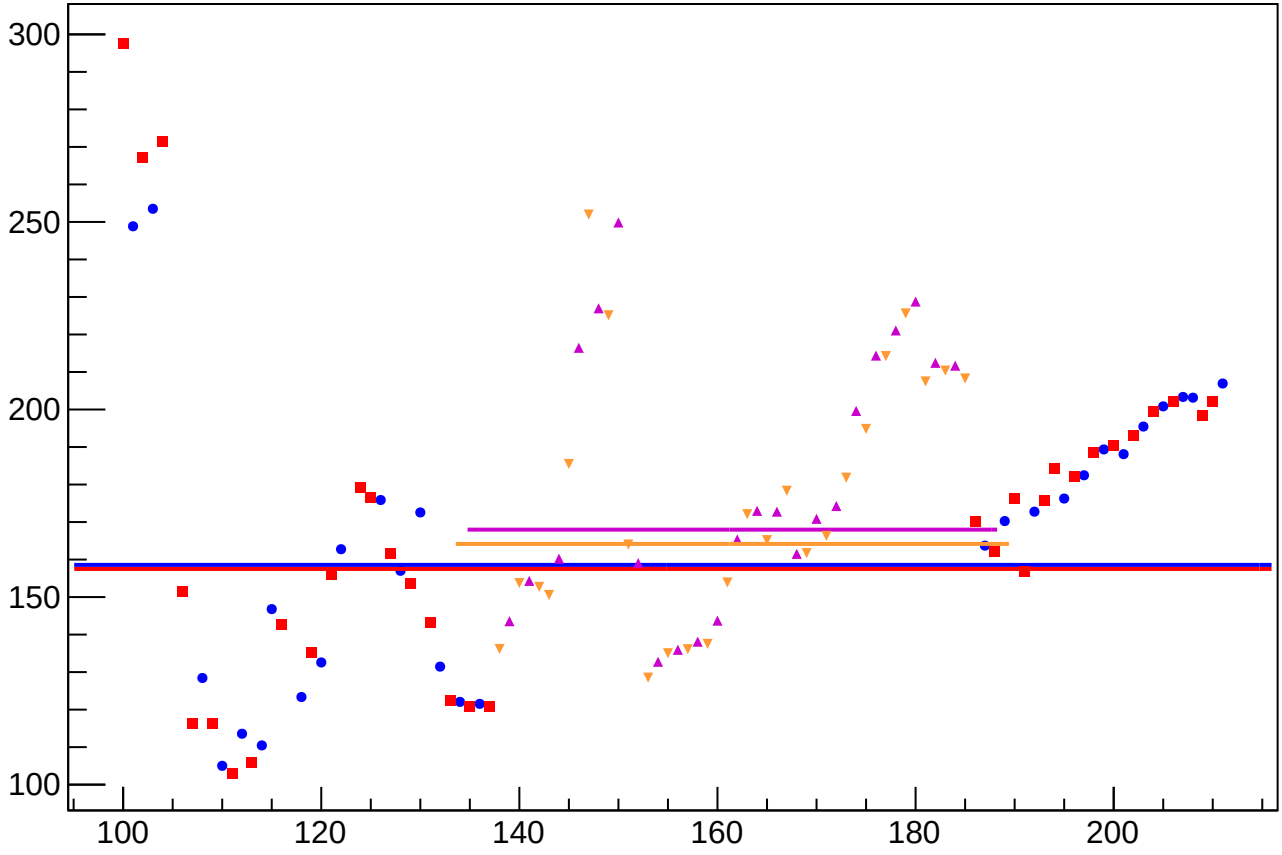
Left In: 6956.884+/-40.245 χ^2/NDF:22339.0/22

+ sign 889.410+/-27.746 χ^2/NDF: 122498.5/52

All: 490.957+/-19.632 χ^2/NDF: 295548.1/108

- sign 91.506+/-27.781 χ^2/NDF: 172636.6/55

asym_bpm1i06WS_rms vs Slug



Right In: 158.581+/-0.029 χ^2/NDF: 1686075.1/27

Left Out: 164.172+/-0.027 χ^2/NDF:1224405.6/24

Right Out: 157.499+/-0.027 χ^2/NDF: 1891945.7/32

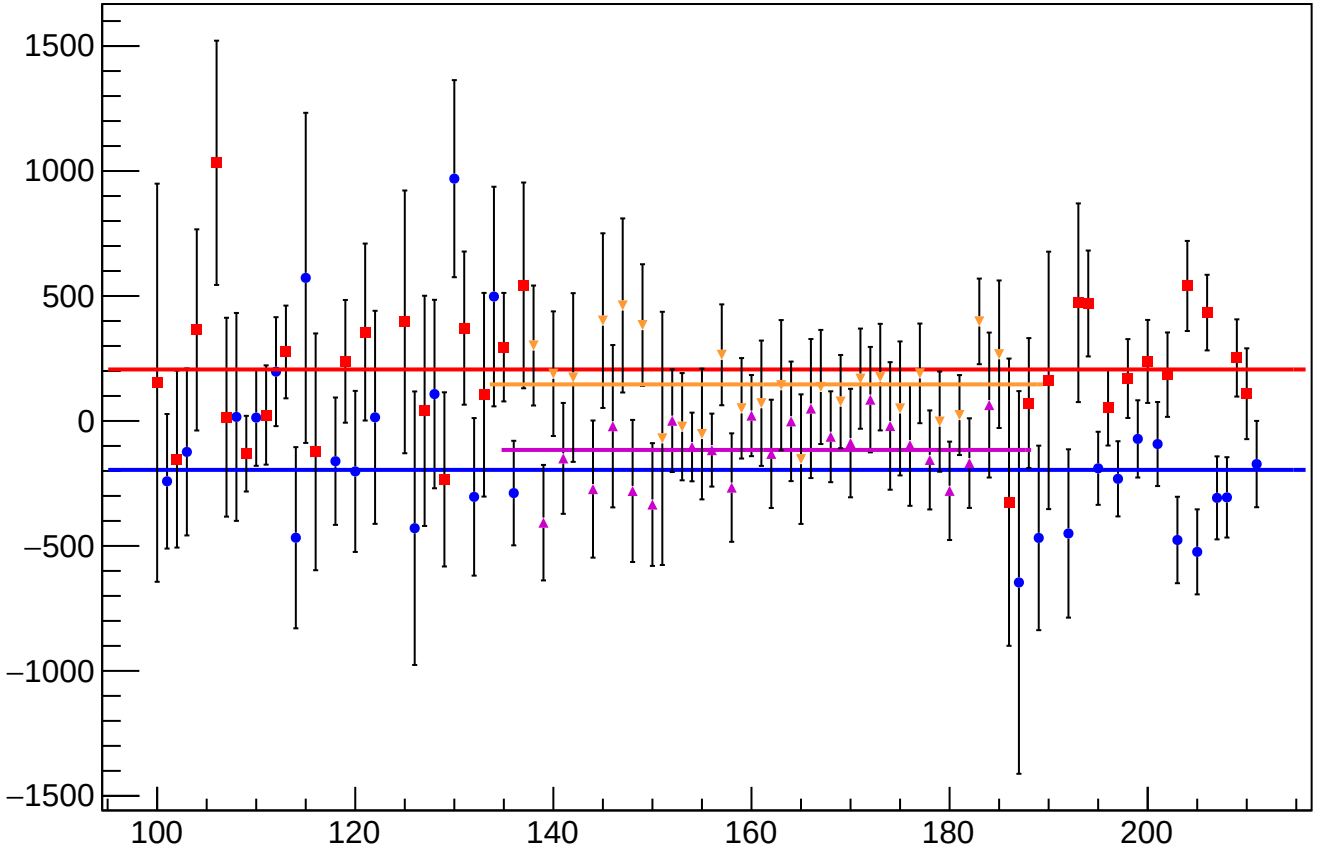
Left In: 167.975+/-0.028 χ^2/NDF:1222745.4/22

+ sign 161.533+/-0.020 χ^2/NDF: 2930722.8/52

All: 162.011+/-0.014 χ^2/NDF: 6117551.8/108

- sign 162.491+/-0.020 χ^2/NDF: 3185639.0/55

asym_bcm_2an_us_an_ds_avg_mean vs Slug



Right In: -195.734+/-43.255 χ^2/NDF: 29.1/27

Left Out: 146.352+/-46.929 χ^2/NDF:10.0/23

Right Out: 206.061+/-42.063 χ^2/NDF: 24.2/30

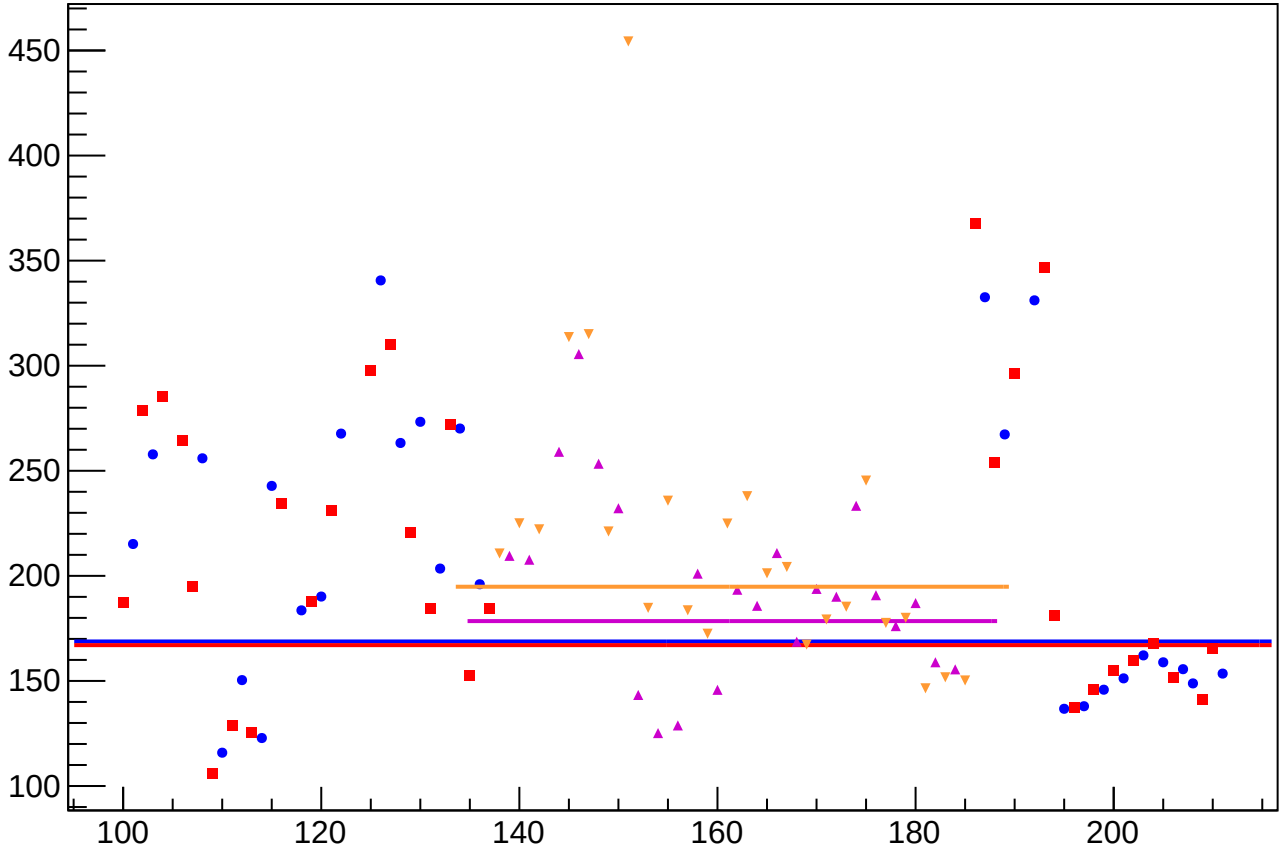
Left In: -115.974+/-43.605 χ^2/NDF:7.6/22

+ sign -38.602+/-31.806 χ^2/NDF: 67.8/51

All: 8.324+/-21.928 χ^2/NDF: 132.1/105

- sign 50.838+/-30.273 χ^2/NDF: 60.1/53

asym_bcm_2an_us_an_ds_avg_rms vs Slug



Right In: 168.781+/-0.031 χ^2/NDF: 2276046.1/27

Left Out: 194.828+/-0.033 χ^2/NDF:1752475.1/23

Right Out: 167.031+/-0.030 χ^2/NDF: 2812181.4/30

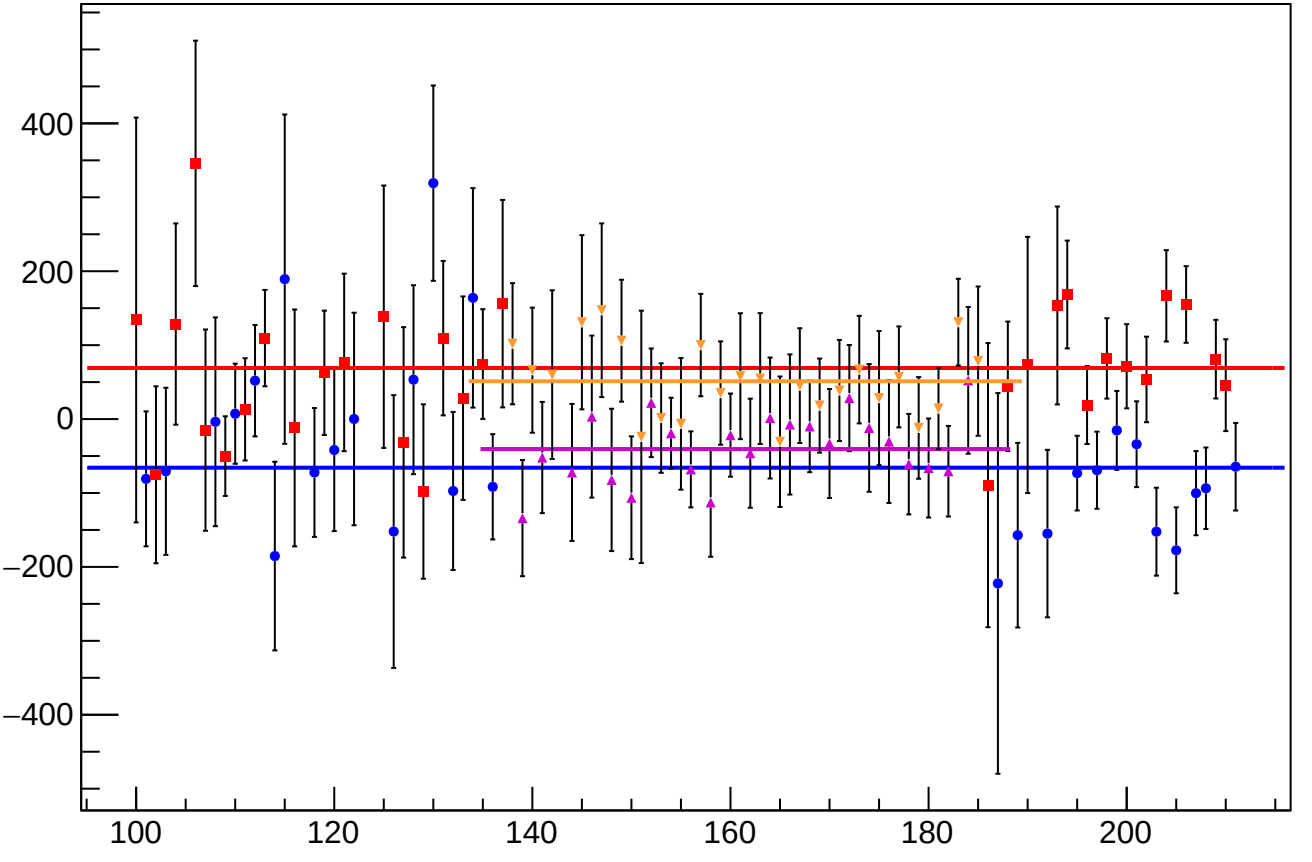
Left In: 178.475+/-0.031 χ^2/NDF:1676266.4/22

+ sign 180.745+/-0.022 χ^2/NDF: 4361656.0/51

All: 176.444+/-0.016 χ^2/NDF: 8991175.4/105

- sign 172.547+/-0.021 χ^2/NDF: 4559807.3/53

asym_bcm_2an_us_an_ds_dd_mean vs Slug



Right In: -65.782+/-14.856 χ^2/NDF: 27.6/27

Left Out: 51.161+/-16.037 χ^2/NDF:8.1/23

Right Out: 69.080+/-14.472 χ^2/NDF: 23.8/30

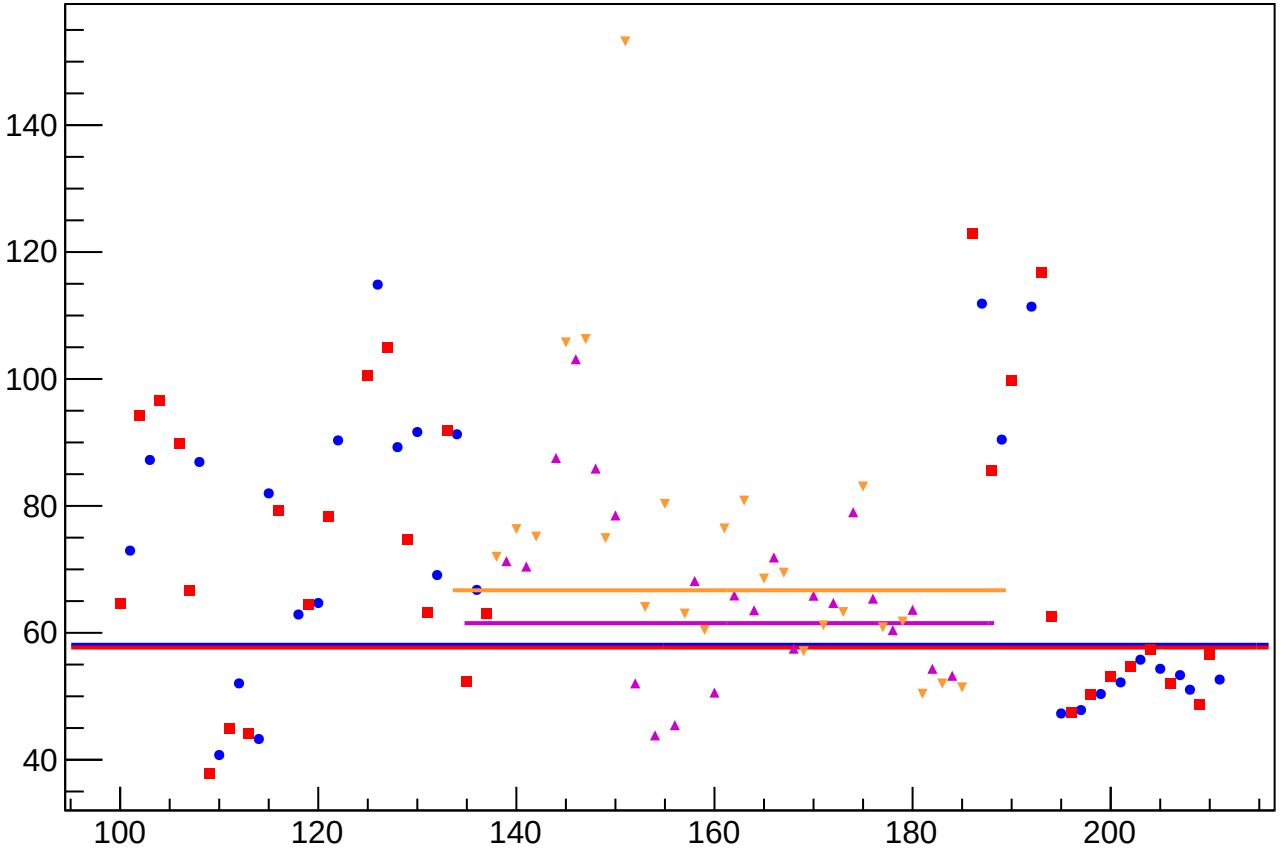
Left In: -40.540+/-14.978 χ^2/NDF:7.9/22

+ sign -11.775+/-10.898 χ^2/NDF: 64.4/51

All: 2.830+/-7.527 χ^2/NDF: 127.1/105

- sign 16.150+/-10.408 χ^2/NDF: 59.3/53

asym_bcm_2an_us_an_ds_dd_rms vs Slug



Right In: 58.116+/-0.011 χ^2/NDF: 2136227.8/27

Left Out: 66.703+/-0.011 χ^2/NDF:1676329.9/23

Right Out: 57.689+/-0.010 χ^2/NDF: 2617108.8/30

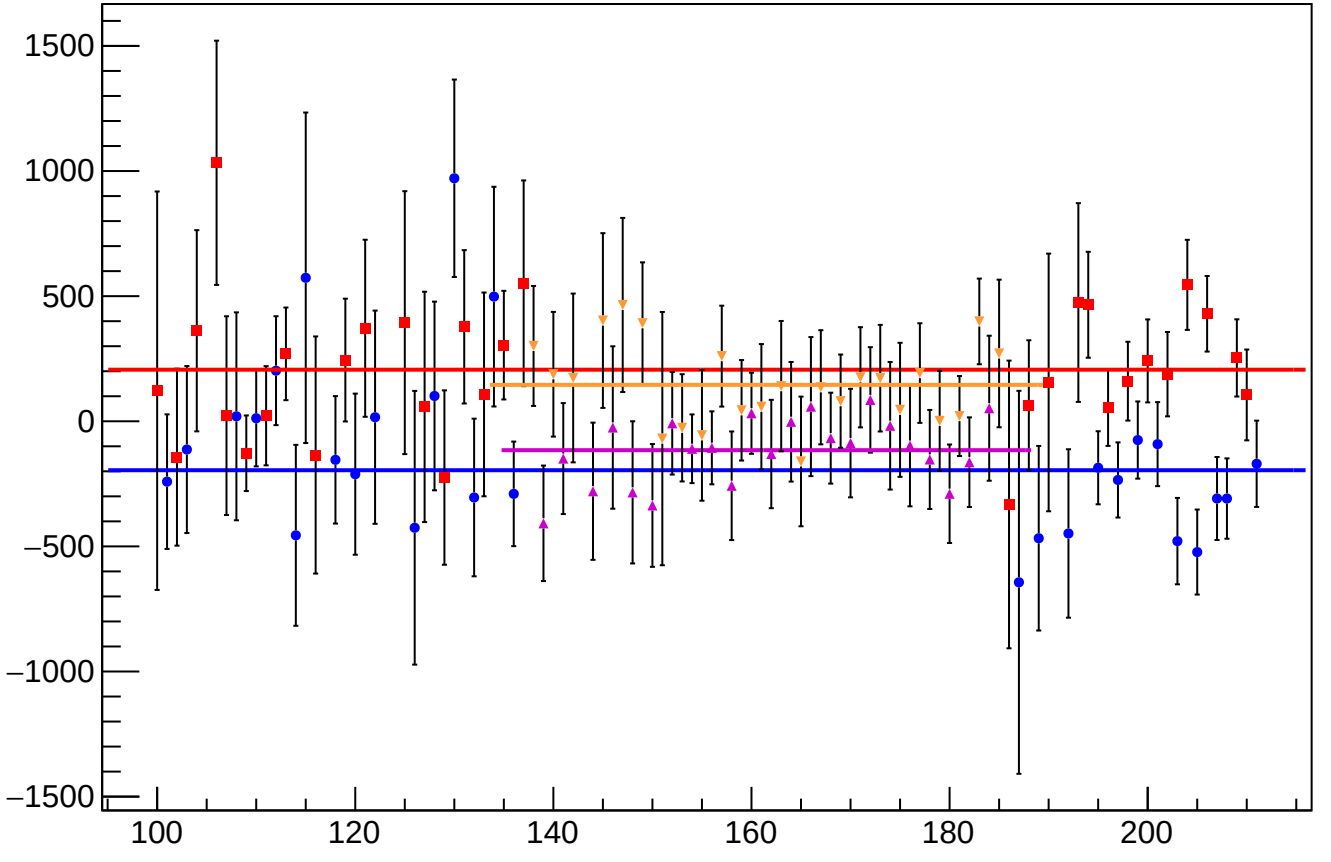
Left In: 61.529+/-0.011 χ^2/NDF:1489848.4/22

+ sign 62.082+/-0.008 χ^2/NDF: 4121144.5/51

All: 60.754+/-0.005 χ^2/NDF: 8352816.2/105

- sign 59.543+/-0.007 χ^2/NDF: 4174920.7/53

asym_bcm_an_us_an_ds_avg_mean vs Slug



Right In: -195.615+/-43.199 χ^2/NDF: 29.3/27

Left Out: 145.476+/-46.889 χ^2/NDF:10.2/23

Right Out: 206.171+/-42.009 χ^2/NDF: 24.3/30

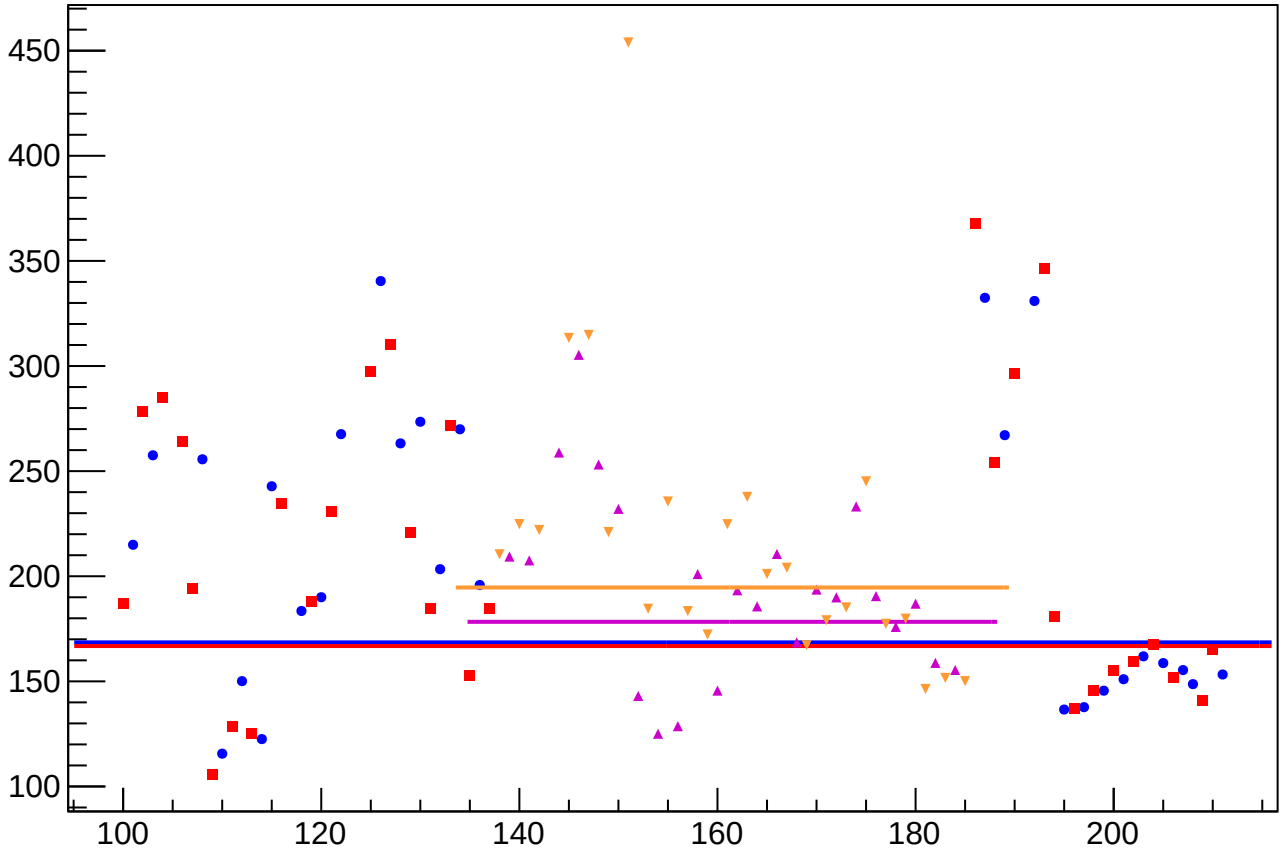
Left In: -115.487+/-43.568 χ^2/NDF:7.8/22

+ sign -39.015+/-31.771 χ^2/NDF: 68.1/51

All: 8.317+/-21.905 χ^2/NDF: 132.7/105

- sign 51.200+/-30.241 χ^2/NDF: 60.3/53

asym_bcm_an_us_an_ds_avg_rms vs Slug



Right In: 168.545+/-0.031 χ^2/NDF: 2282380.0/27

Left Out: 194.659+/-0.033 χ^2/NDF:1753119.9/23

Right Out: 166.795+/-0.030 χ^2/NDF: 2820498.1/30

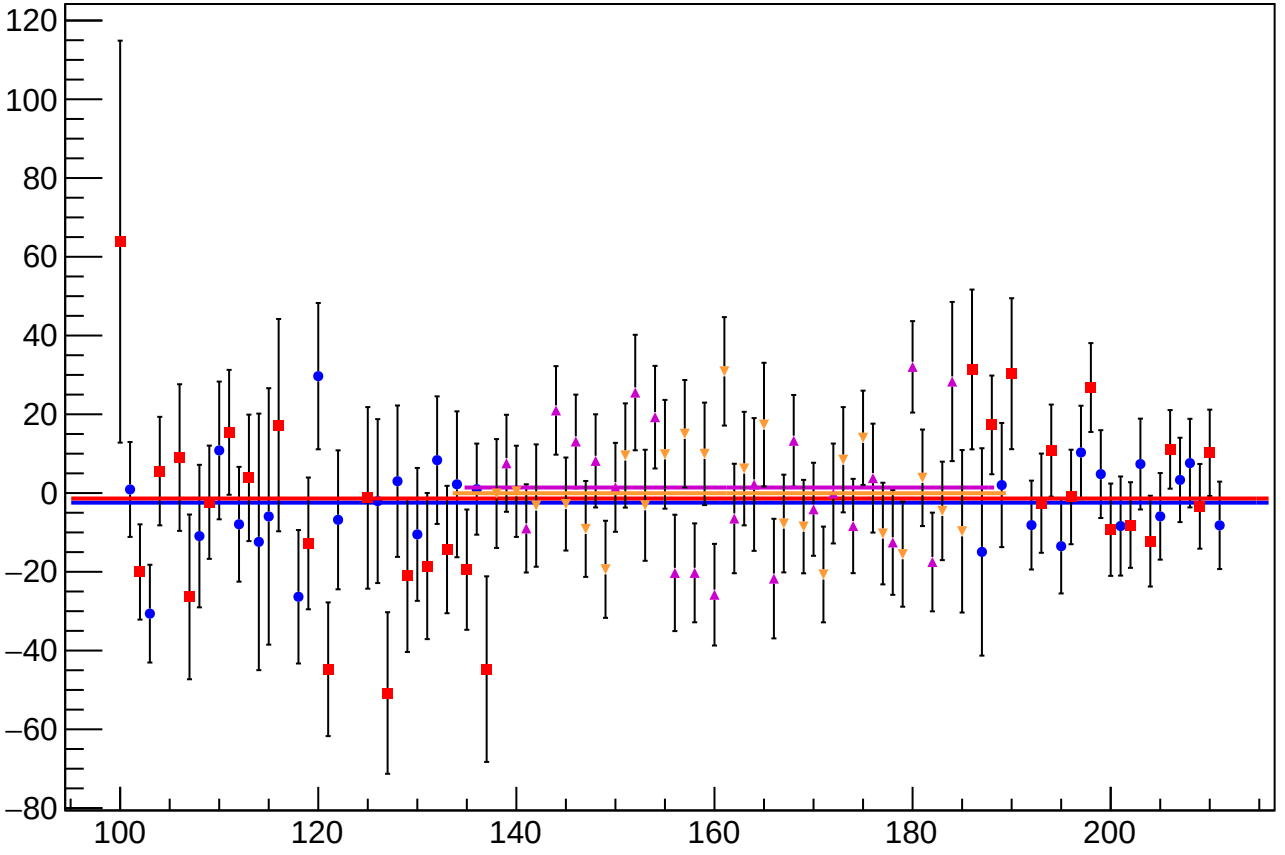
Left In: 178.318+/-0.031 χ^2/NDF:1678336.4/22

+ sign 180.534+/-0.022 χ^2/NDF: 4371043.5/51

All: 176.239+/-0.015 χ^2/NDF: 9012070.6/105

- sign 172.346+/-0.021 χ^2/NDF: 4571334.7/53

asym_bcm_an_us_an_ds_dd_mean vs Slug



Right In: -2.436+/-2.665 χ^2/NDF: 17.6/27

Left Out: -0.047+/-2.685 χ^2/NDF:20.5/23

Right Out: -1.383+/-2.594 χ^2/NDF: 47.1/30

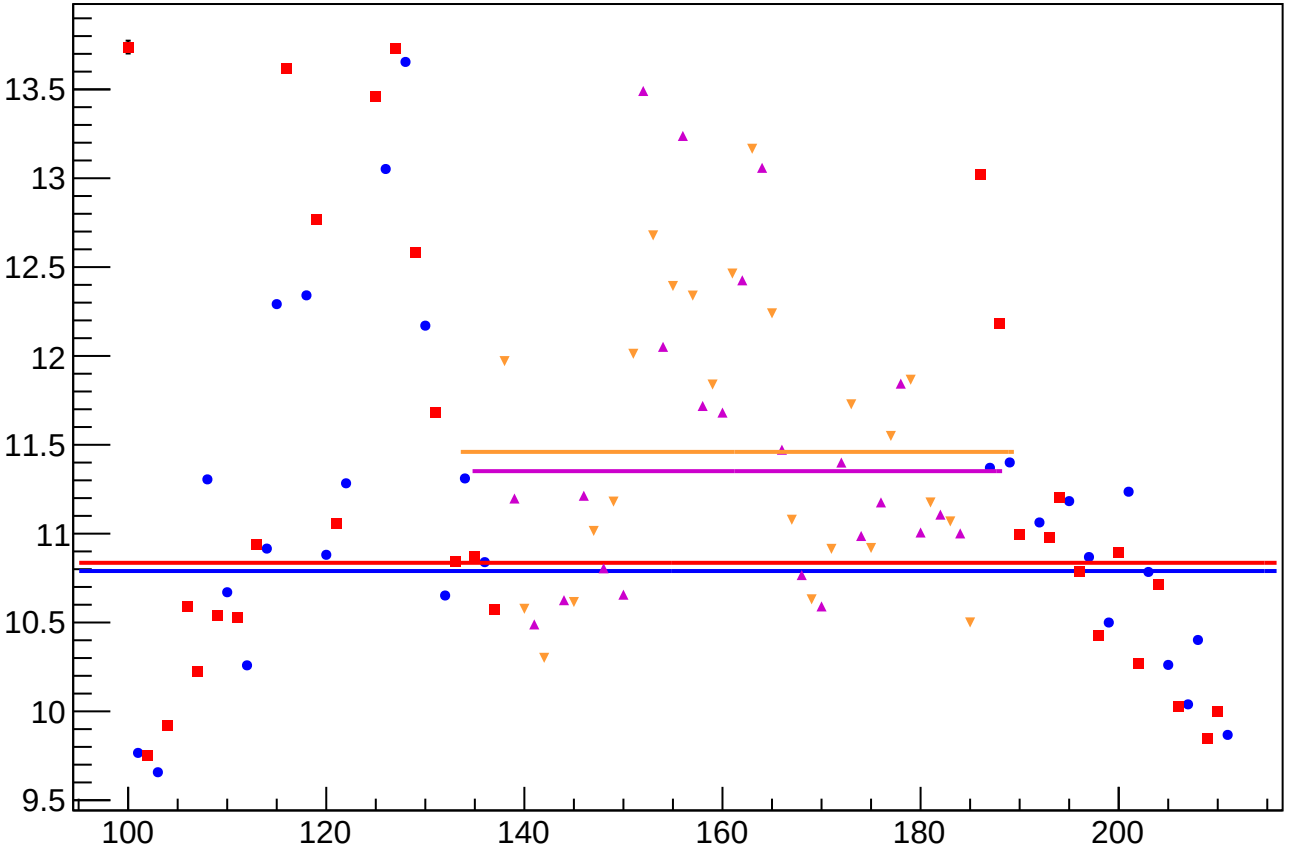
Left In: 1.407+/-2.674 χ^2/NDF:36.3/22

+ sign -1.251+/-1.891 χ^2/NDF: 38.5/51

All: -0.631+/-1.327 χ^2/NDF: 122.7/105

- sign -0.030+/-1.862 χ^2/NDF: 84.0/53

asym_bcm_an_us_an_ds_dd_rms vs Slug



Right In: 10.790+/-0.002 χ^2/NDF: 183148.4/27

Left Out: 11.460+/-0.002 χ^2/NDF:150430.0/23

Right Out: 10.836+/-0.002 χ^2/NDF: 268390.0/30

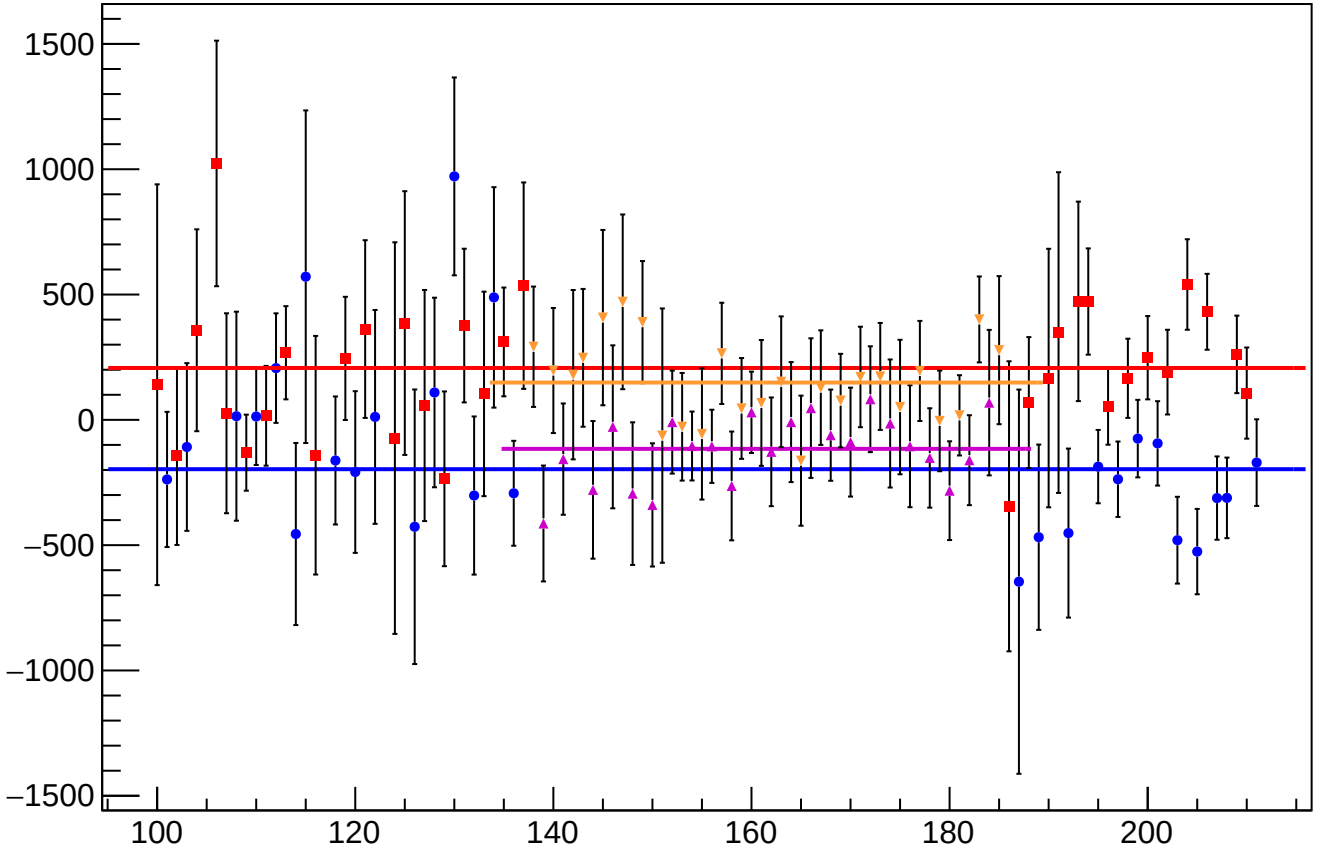
Left In: 11.352+/-0.002 χ^2/NDF:170563.6/22

+ sign 11.122+/-0.001 χ^2/NDF: 396396.3/51

All: 11.104+/-0.001 χ^2/NDF: 874067.9/105

- sign 11.086+/-0.001 χ^2/NDF: 477296.0/53

asym_bcm_an_us_an_ds3_avg_mean vs Slug



Right In: -196.876+/-43.310 χ^2/NDF: 29.3/27

Left Out: 148.905+/-46.306 χ^2/NDF:10.5/24

Right Out: 207.040+/-41.971 χ^2/NDF: 24.5/32

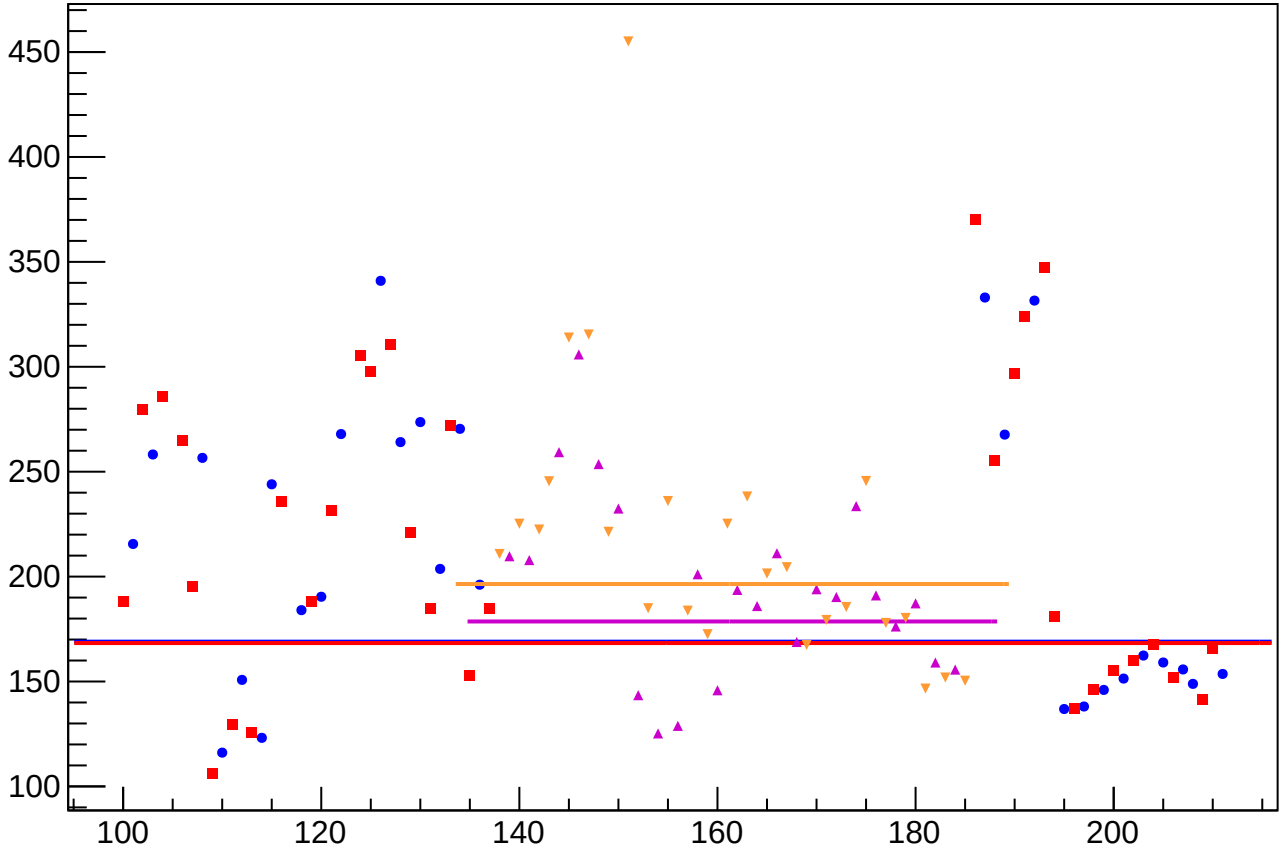
Left In: -115.709+/-43.641 χ^2/NDF:7.8/22

\+ sign -35.534+/-31.631 χ^2/NDF: 69.5/52

All: 10.161+/-21.862 χ^2/NDF: 134.2/108

\- sign 51.957+/-30.251 χ^2/NDF: 60.7/55

asym_bcm_an_us_an_ds3_avg_rms vs Slug



Right In: 168.988+/-0.031 χ^2/NDF: 2278003.3/27

Left Out: 196.454+/-0.033 χ^2/NDF:1818746.1/24

Right Out: 168.326+/-0.030 χ^2/NDF: 2999203.3/32

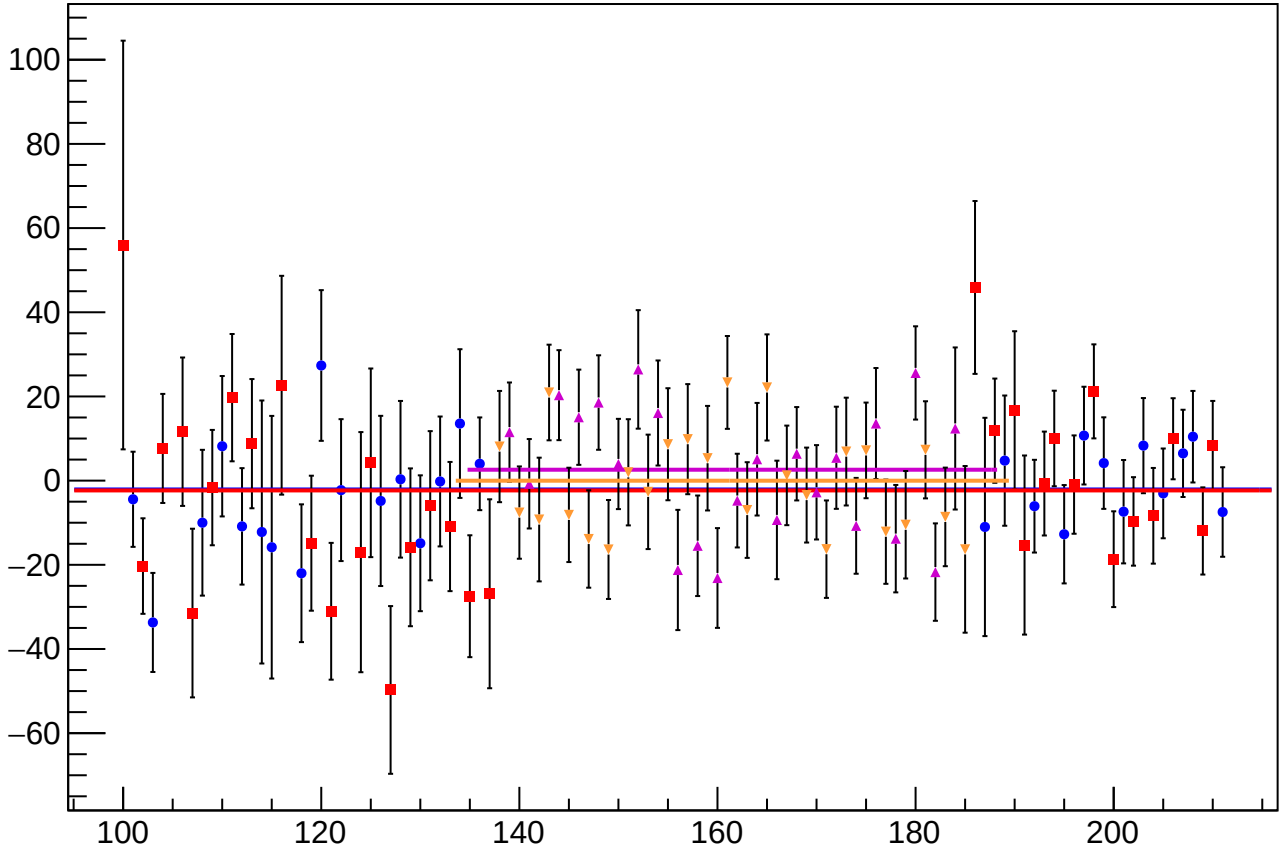
Left In: 178.614+/-0.031 χ^2/NDF:1678859.8/22

+ sign 181.804+/-0.022 χ^2/NDF: 4472078.5/52

All: 177.346+/-0.015 χ^2/NDF: 9283924.3/108

- sign 173.269+/-0.021 χ^2/NDF: 4735805.1/55

asym_bcm_an_us_an_ds3_dd_mean vs Slug



Right In: -2.099+/-2.570 χ^2/NDF: 20.6/27

Left Out: -0.018+/-2.445 χ^2/NDF:23.7/24

Right Out: -2.327+/-2.478 χ^2/NDF: 45.9/32

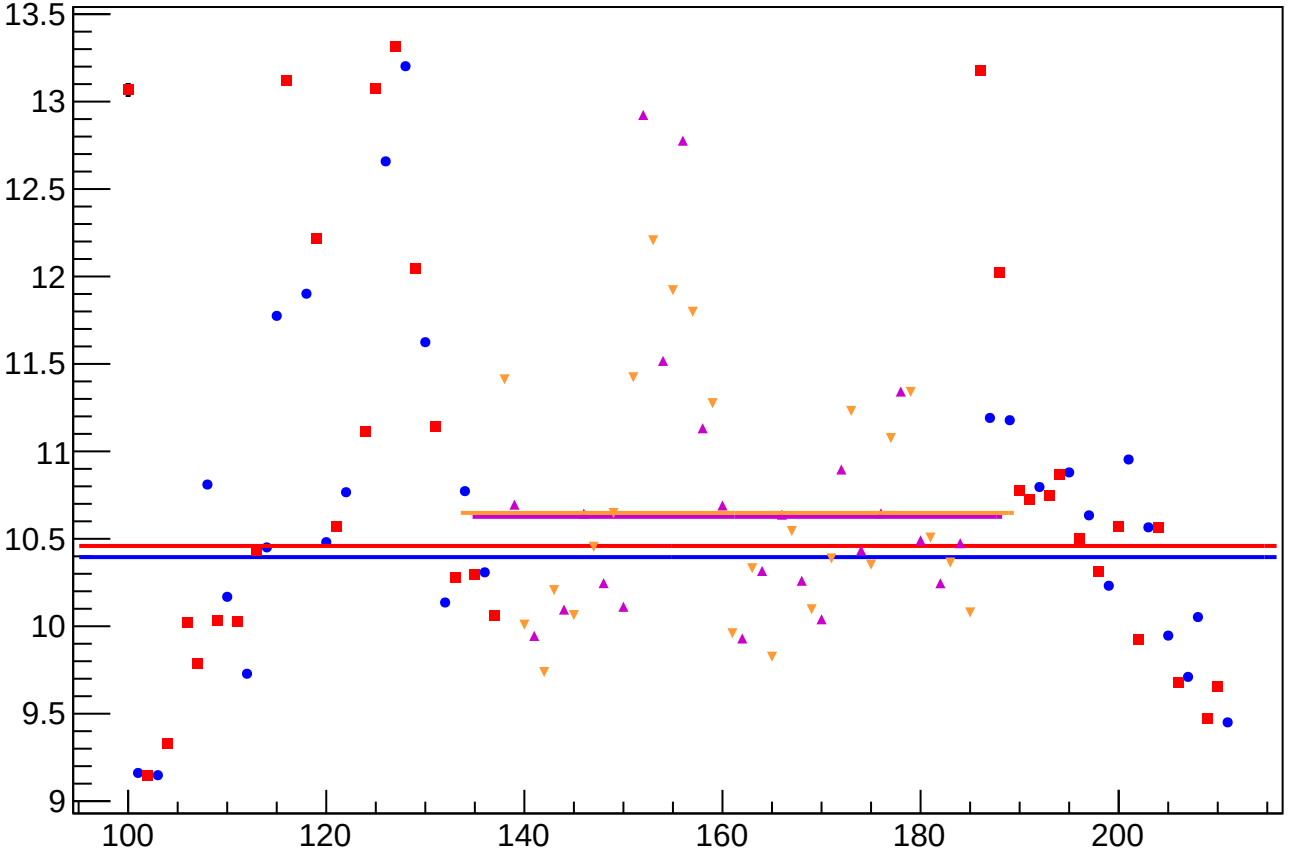
Left In: 2.591+/-2.506 χ^2/NDF:34.8/22

+ sign -1.006+/-1.771 χ^2/NDF: 44.7/52

All: -0.448+/-1.249 χ^2/NDF: 127.5/108

- sign 0.104+/-1.762 χ^2/NDF: 82.6/55

asym_bcm_an_us_an_ds3_dd_rms vs Slug



Right In: 10.395+/-0.002 χ^2/NDF: 207115.6/27

Left Out: 10.648+/-0.002 χ^2/NDF:143535.9/24

Right Out: 10.459+/-0.002 χ^2/NDF: 308026.8/32

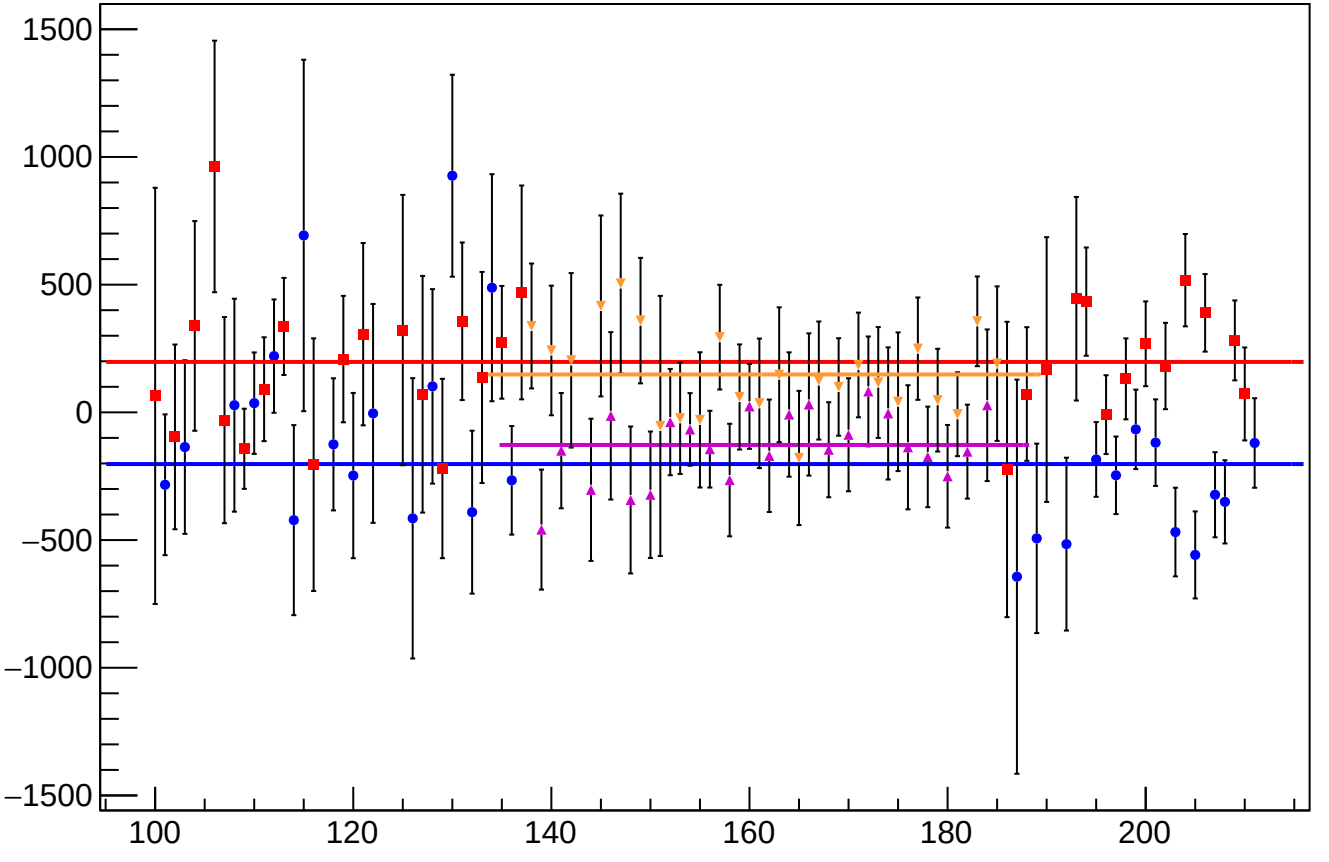
Left In: 10.626+/-0.002 χ^2/NDF:159543.1/22

+ sign 10.528+/-0.001 χ^2/NDF: 360817.3/52

All: 10.535+/-0.001 χ^2/NDF: 832904.1/108

- sign 10.542+/-0.001 χ^2/NDF: 472029.1/55

asym_bcm_dg_us_dg_ds_avg_mean vs Slug



Right In: -202.447+/-43.689 χ^2/NDF: 30.8/27

Left Out: 148.441+/-47.720 χ^2/NDF:9.9/23

Right Out: 197.456+/-42.521 χ^2/NDF: 22.2/30

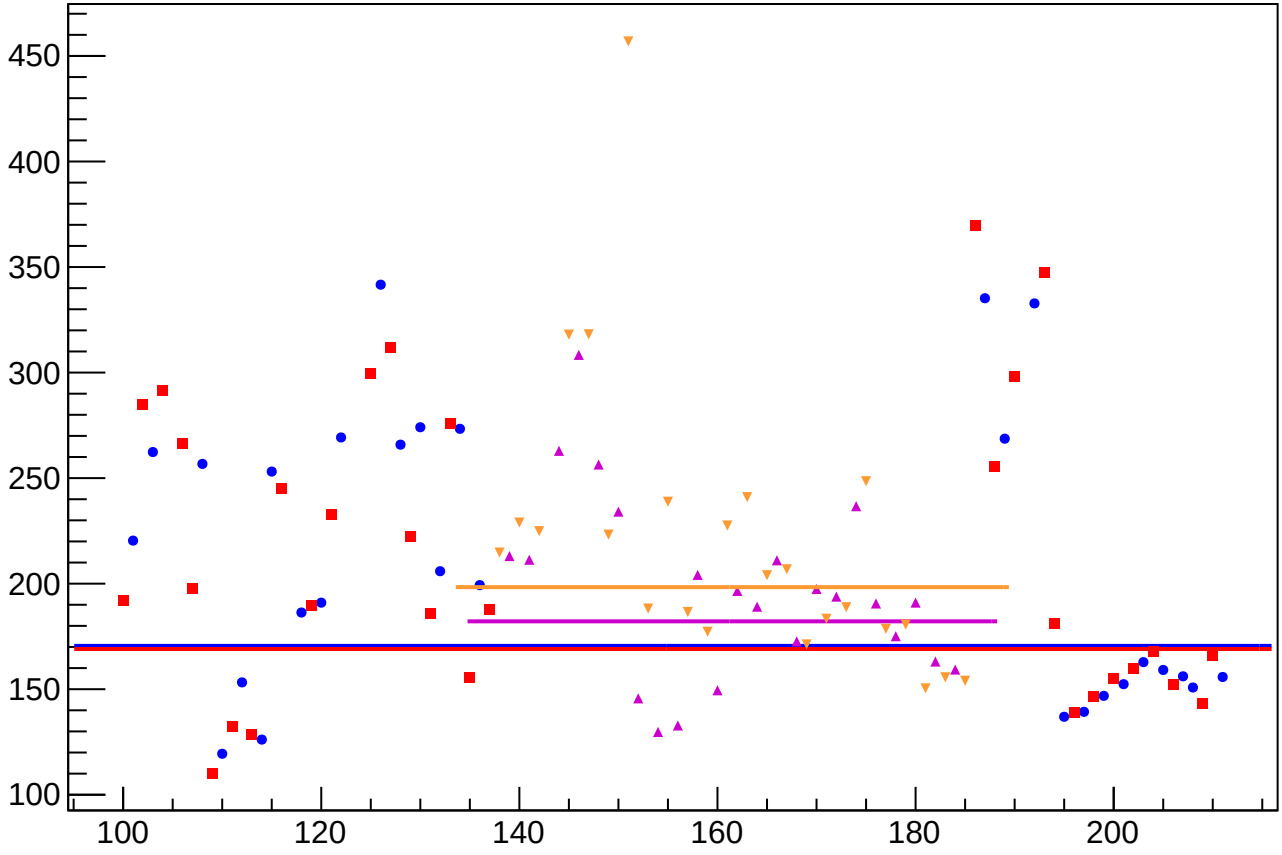
Left In: -127.710+/-44.426 χ^2/NDF:7.8/22

+ sign -42.448+/-32.224 χ^2/NDF: 70.1/51

All: 1.792+/-22.234 χ^2/NDF: 131.8/105

- sign 41.994+/-30.718 χ^2/NDF: 58.0/53

asym_bcm_dg_us_dg_ds_avg_rms vs Slug



Right In: 170.521+/-0.031 χ^2/NDF: 2267306.6/27

Left Out: 198.351+/-0.034 χ^2/NDF:1697058.2/23

Right Out: 169.052+/-0.030 χ^2/NDF: 2755825.8/30

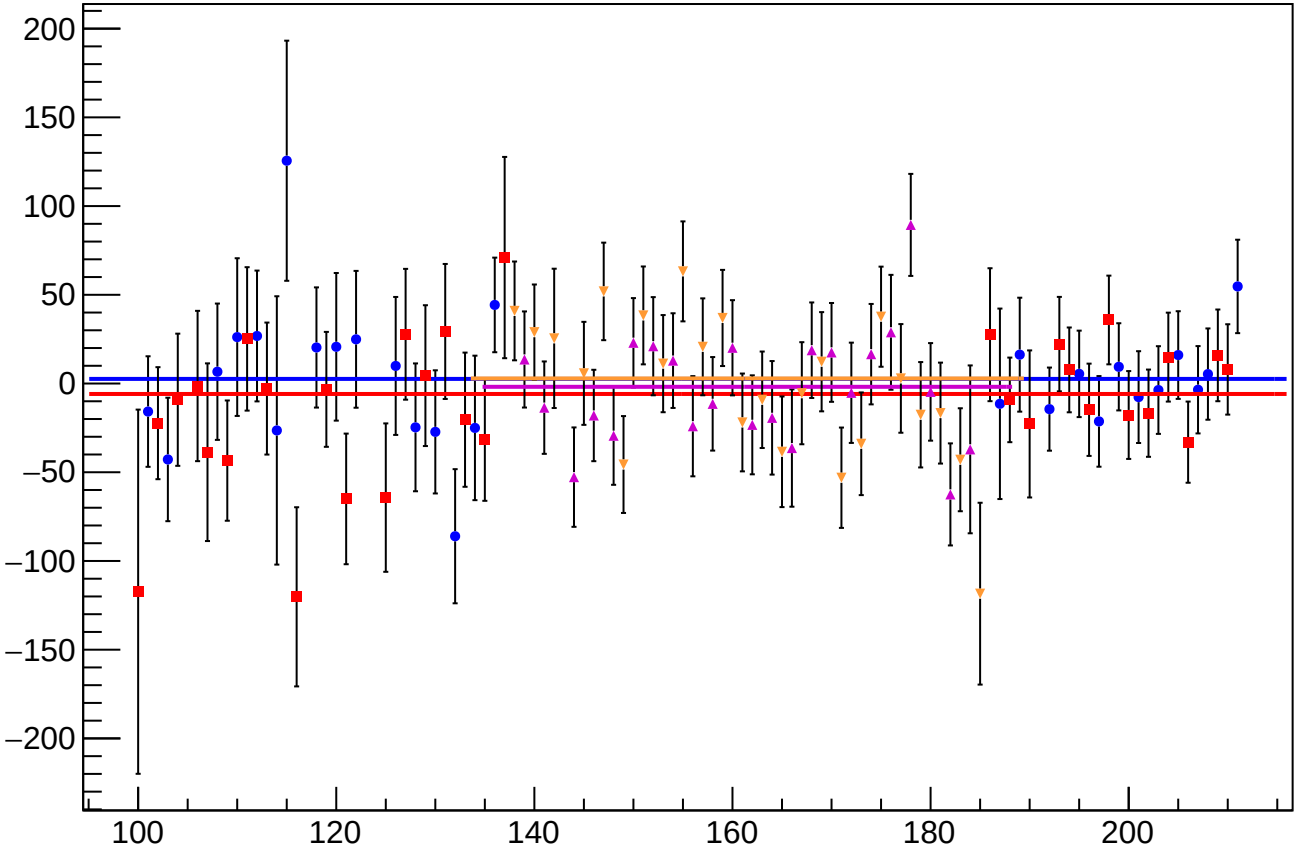
Left In: 182.150+/-0.031 χ^2/NDF:1584358.1/22

+ sign 183.211+/-0.023 χ^2/NDF: 4334434.9/51

All: 179.074+/-0.016 χ^2/NDF: 8828284.3/105

- sign 175.314+/-0.022 χ^2/NDF: 4430921.5/53

asym_bcm_dg_us_dg_ds_dd_mean vs Slug



Right In: 2.602+/-5.907 χ^2/NDF: 23.0/27

Left Out: 2.851+/-5.904 χ^2/NDF:36.9/23

Right Out: -5.888+/-5.710 χ^2/NDF: 26.5/30

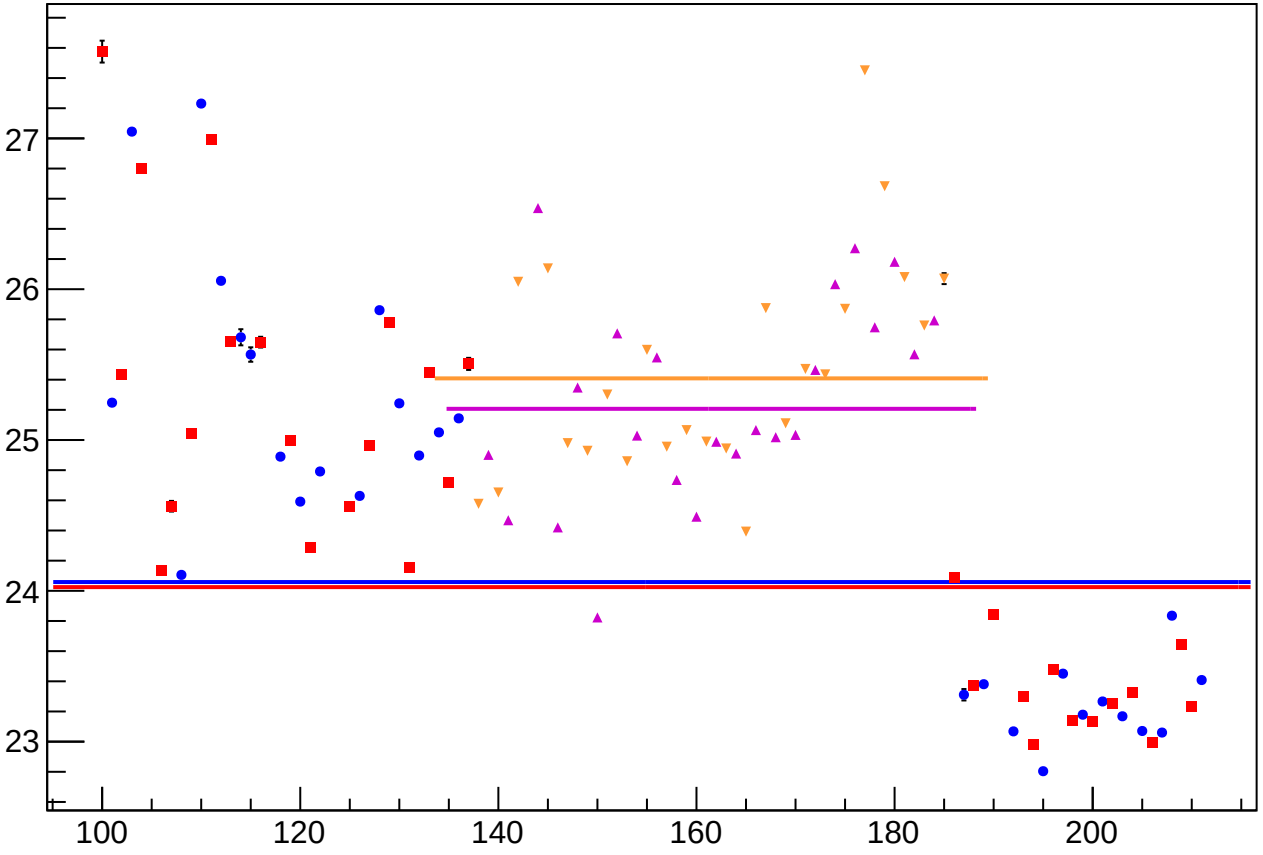
Left In: -1.850+/-5.893 χ^2/NDF:28.1/22

+ sign 2.727+/-4.176 χ^2/NDF: 59.9/51

All: -0.663+/-2.926 χ^2/NDF: 116.1/105

- sign -3.933+/-4.101 χ^2/NDF: 54.8/53

asym_bcm_dg_us_dg_ds_dd_rms vs Slug



Right In: 24.058+/-0.004 χ^2/NDF: 77337.0/27

Left Out: 25.409+/-0.004 χ^2/NDF:26863.6/23

Right Out: 24.025+/-0.004 χ^2/NDF: 71471.8/30

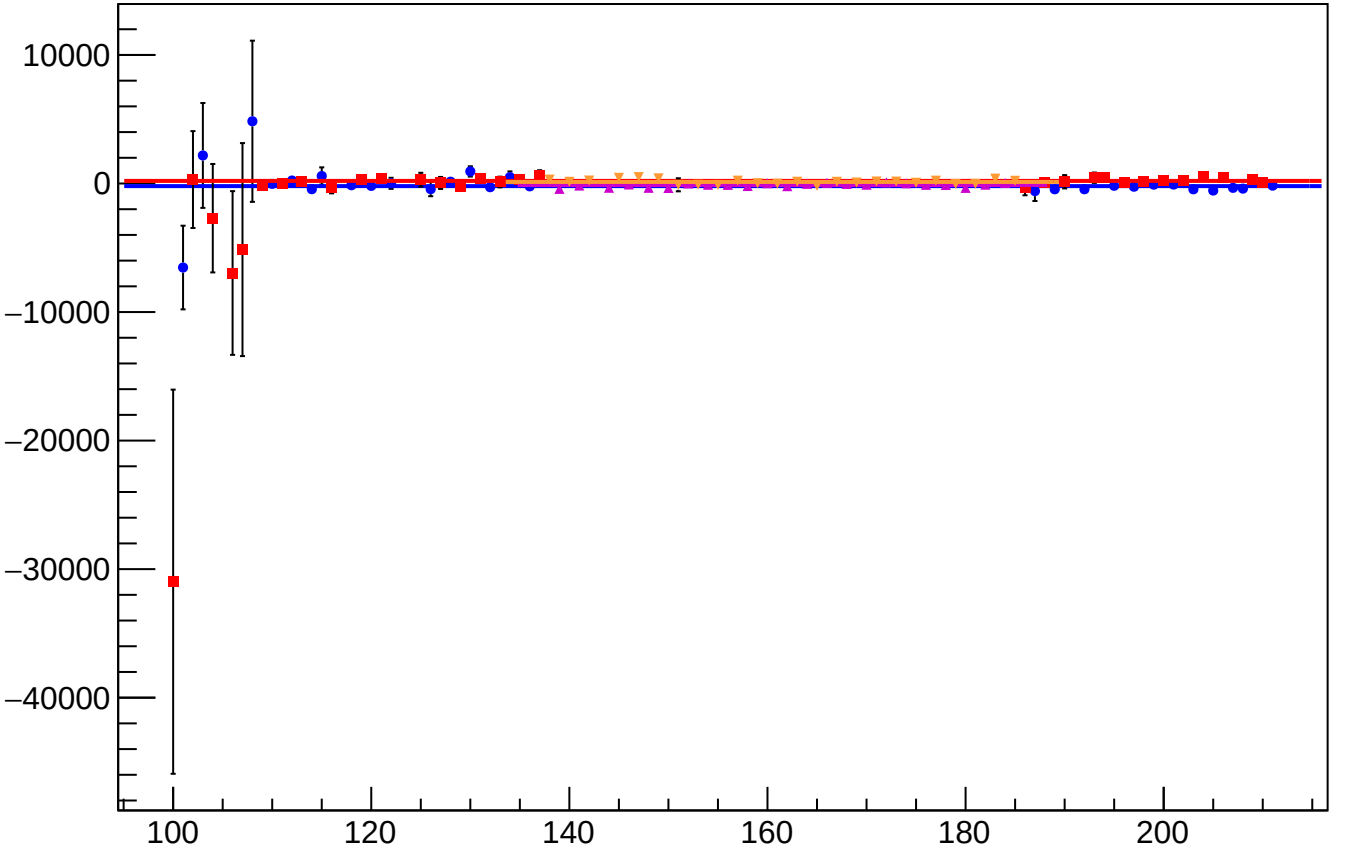
Left In: 25.207+/-0.004 χ^2/NDF:25827.4/22

+ sign 24.734+/-0.003 χ^2/NDF: 156496.1/51

All: 24.664+/-0.002 χ^2/NDF: 296404.6/105

- sign 24.597+/-0.003 χ^2/NDF: 138817.0/53

asym_bcm_cav4cQ_an_ds_avg_mean vs Slug



Right In: -203.749+/-45.496 χ^2/NDF: 33.7/27

Left Out: 120.221+/-47.440 χ^2/NDF:11.9/23

Right Out: 202.606+/-44.808 χ^2/NDF: 25.4/30

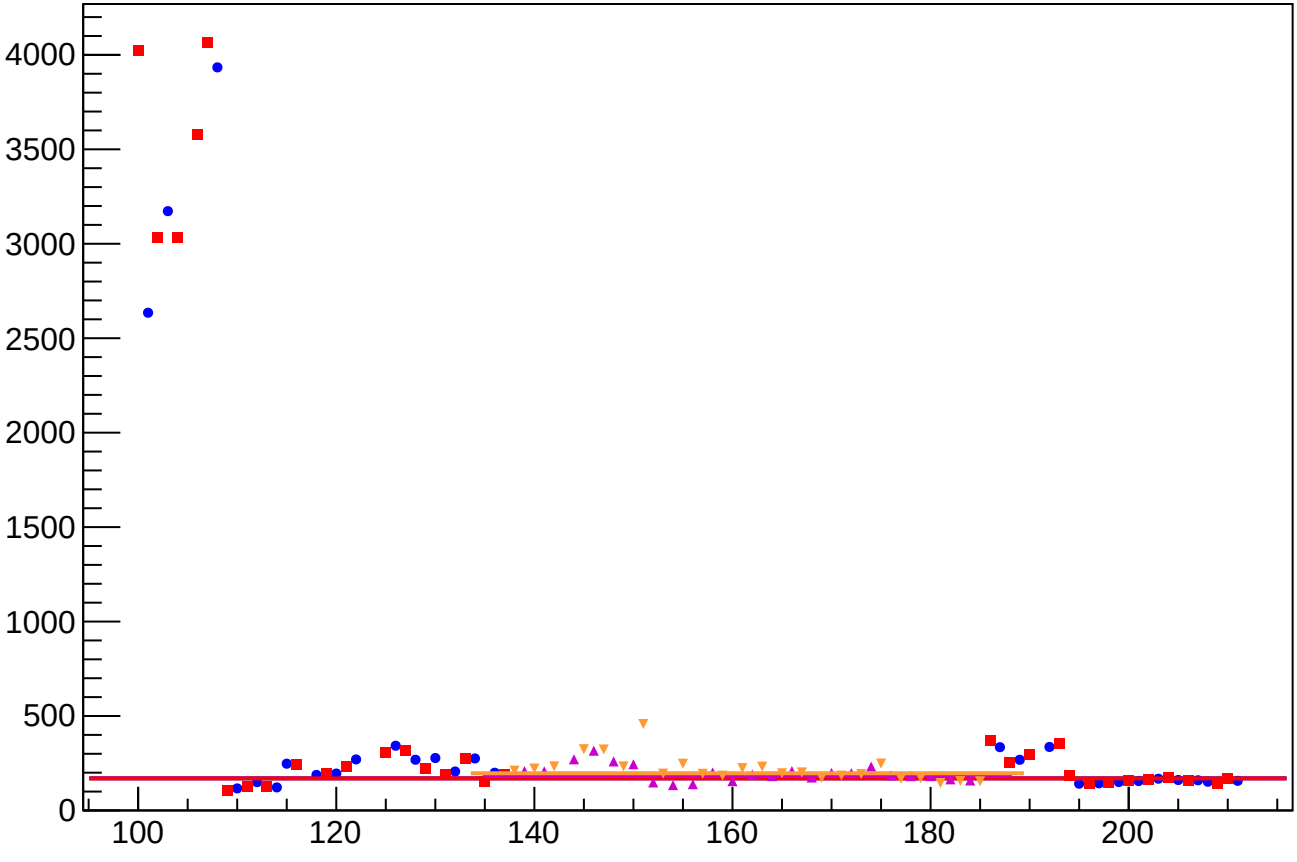
Left In: -116.243+/-44.786 χ^2/NDF:8.4/22

+ sign -48.539+/-32.836 χ^2/NDF: 69.9/51

All: -1.070+/-22.798 χ^2/NDF: 133.2/105

- sign 43.104+/-31.676 χ^2/NDF: 59.2/53

asym_bcm_cav4cQ_an_ds_avg_rms vs Slug



Right In: 170.030+/-0.032 χ^2/NDF: 4881705.2/27

Left Out: 196.935+/-0.034 χ^2/NDF:1809266.5/23

Right Out: 169.642+/-0.032 χ^2/NDF: 5416587.0/30

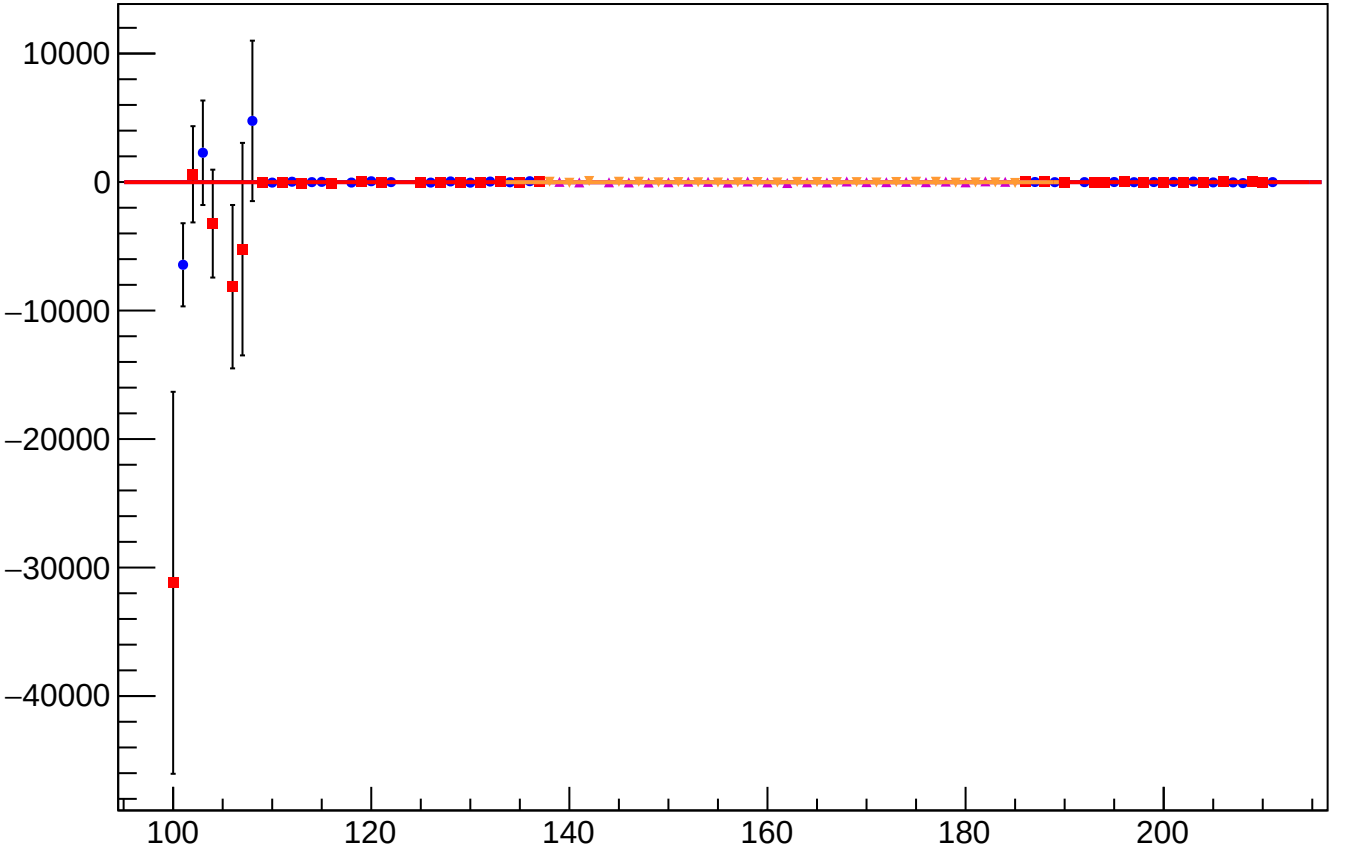
Left In: 184.051+/-0.032 χ^2/NDF:1445426.0/22

+ sign 182.920+/-0.023 χ^2/NDF: 7026074.9/51

All: 179.776+/-0.016 χ^2/NDF: 14026945.8/10

- sign 176.850+/-0.022 χ^2/NDF: 6965471.3/53

asym_bcm_cav4cQ_an_ds_dd_mean vs Slug



Right In: -4.940+/-7.049 χ^2/NDF: 28.9/27

Left Out: -11.111+/-6.653 χ^2/NDF:17.5/23

Right Out: -9.623+/-6.901 χ^2/NDF: 33.2/30

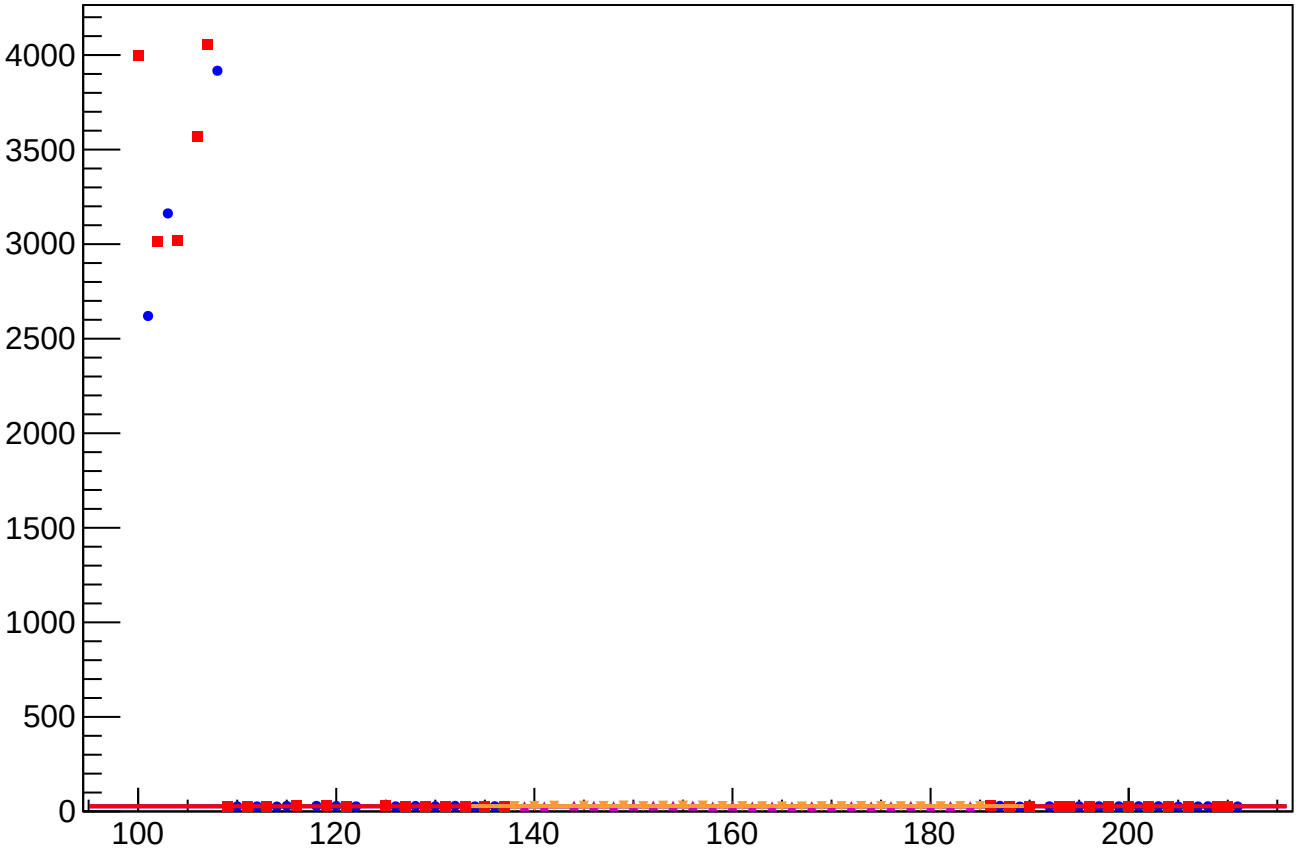
Left In: -2.576+/-6.732 χ^2/NDF:22.2/22

+ sign -8.204+/-4.838 χ^2/NDF: 46.8/51

All: -7.104+/-3.414 χ^2/NDF: 102.9/105

- sign -6.012+/-4.819 χ^2/NDF: 55.9/53

asym_bcm_cav4cQ_an_ds_dd_rms vs Slug



Right In: 27.267+/-0.005 χ^2/NDF: 3286645.4/27

Left Out: 28.592+/-0.005 χ^2/NDF:80997.4/23

Right Out: 27.269+/-0.005 χ^2/NDF: 3596633.1/30

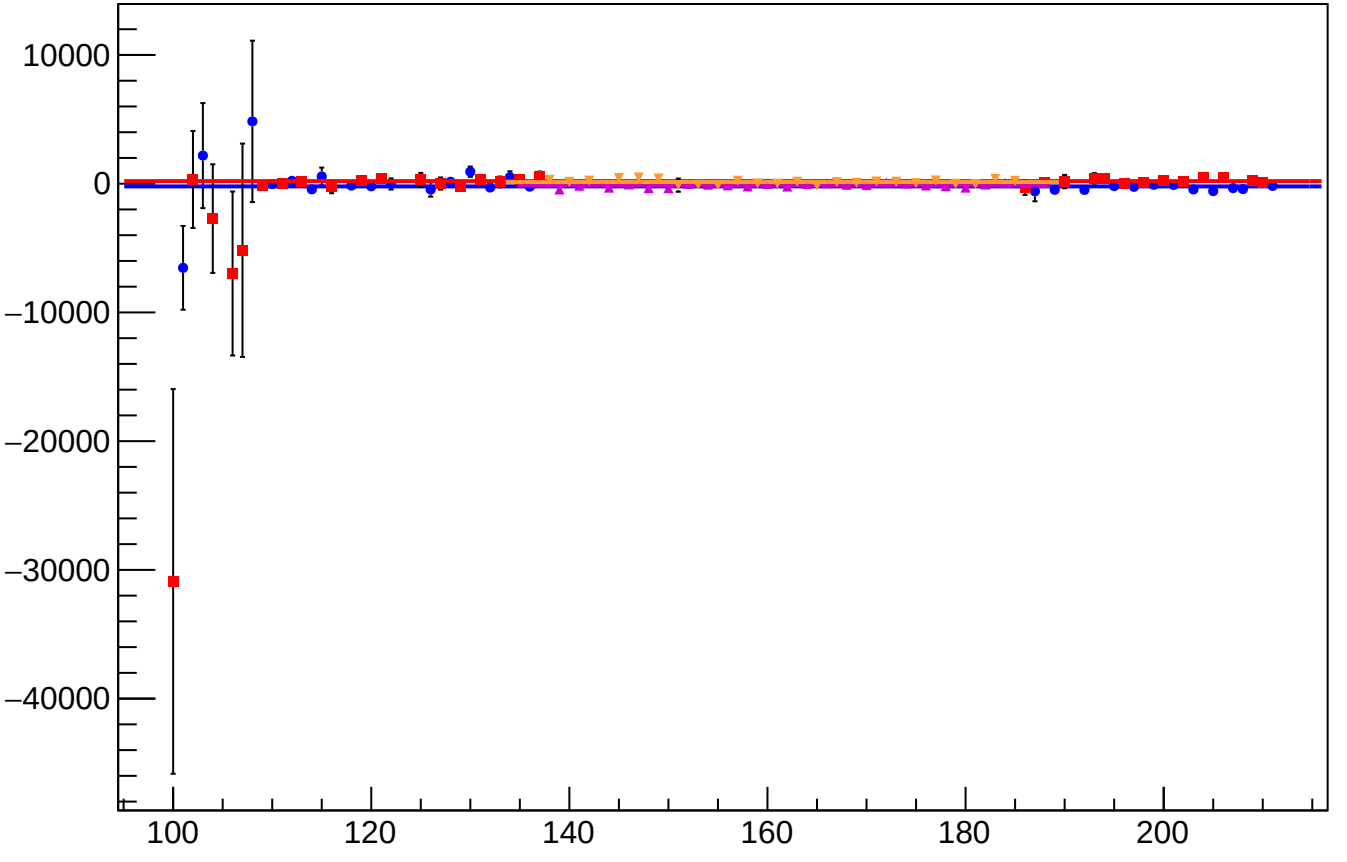
Left In: 28.728+/-0.005 χ^2/NDF:127383.0/22

\+ sign 27.968+/-0.003 χ^2/NDF: 3405010.3/51

All: 27.992+/-0.002 χ^2/NDF: 7174905.8/105

\- sign 28.016+/-0.003 χ^2/NDF: 3769795.1/53

asym_bcm_cav4cQ_dg_ds_avg_mean vs Slug



Right In: -210.502+/-45.701 χ^2/NDF: 34.1/27

Left Out: 126.373+/-47.852 χ^2/NDF:11.6/23

Right Out: 199.895+/-44.990 χ^2/NDF: 23.9/30

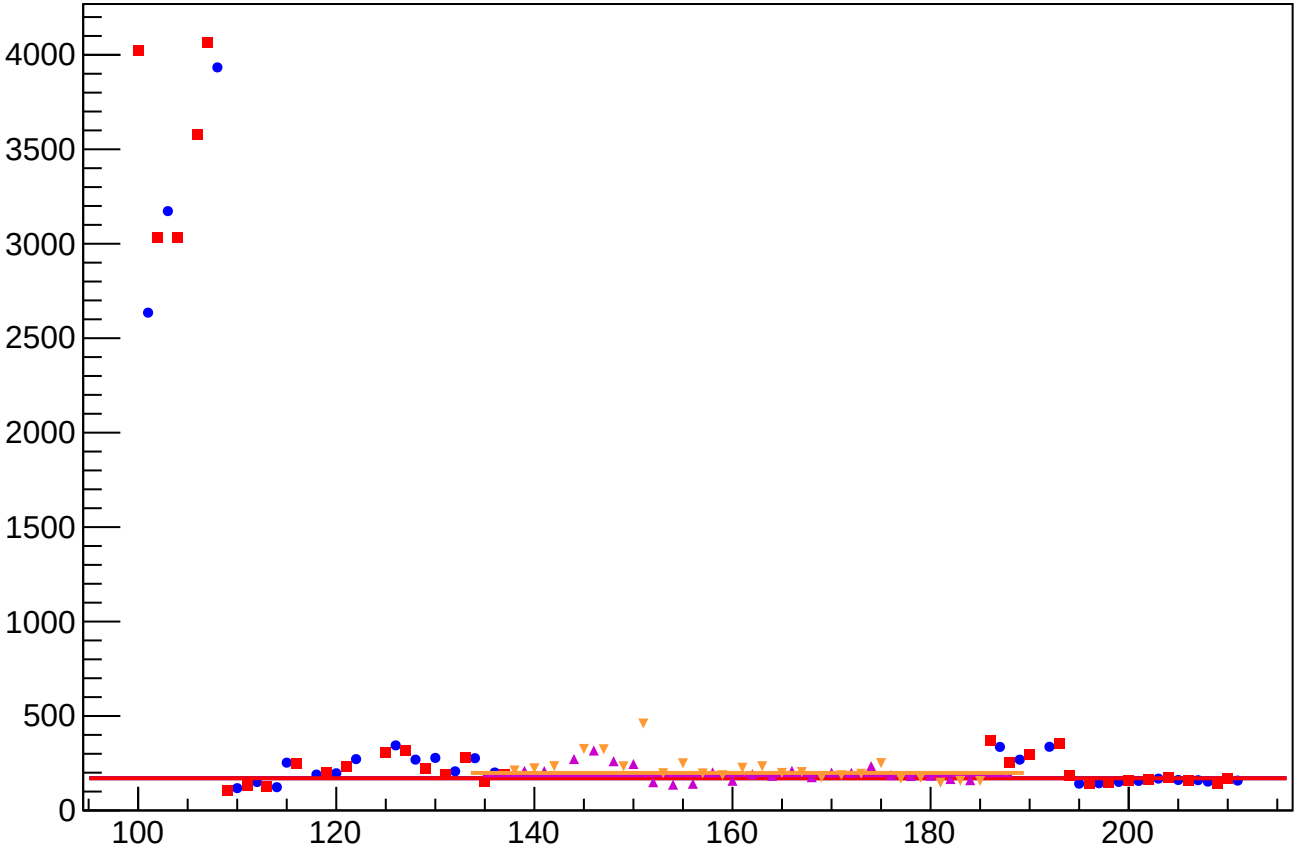
Left In: -122.809+/-45.199 χ^2/NDF:8.0/22

+ sign -49.807+/-33.050 χ^2/NDF: 71.6/51

All: -3.664+/-22.947 χ^2/NDF: 132.8/105

- sign 39.288+/-31.886 χ^2/NDF: 57.5/53

asym_bcm_cav4cQ_dg_ds_avg_rms vs Slug



Right In: 170.810+/-0.032 χ^2/NDF: 4878365.0/27

Left Out: 198.736+/-0.034 χ^2/NDF:1786406.6/23

Right Out: 170.379+/-0.032 χ^2/NDF: 5404733.6/30

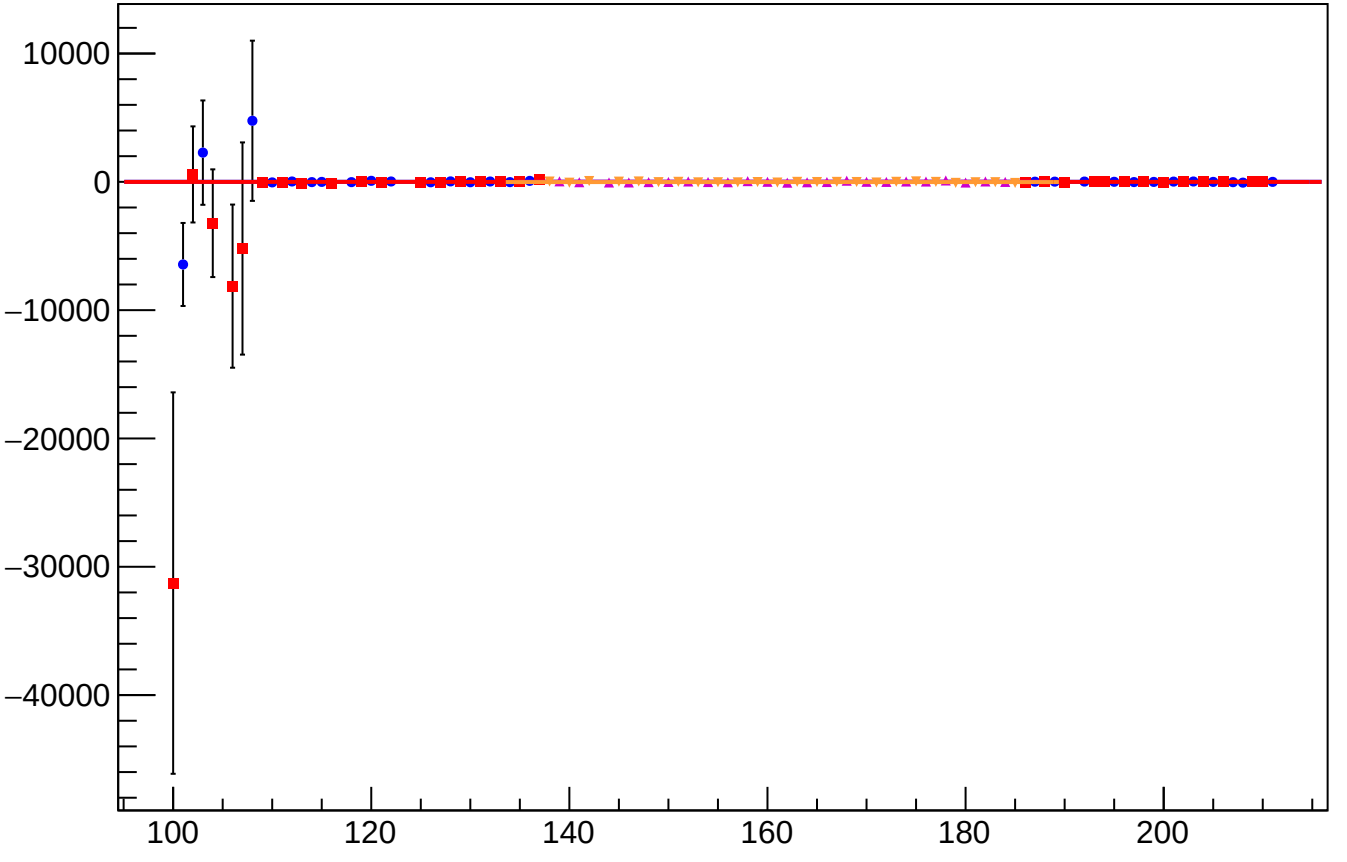
Left In: 185.871+/-0.032 χ^2/NDF:1405525.2/22

+ sign 184.131+/-0.023 χ^2/NDF: 7021006.4/51

All: 181.002+/-0.016 χ^2/NDF: 13983909.6/10

- sign 178.089+/-0.023 χ^2/NDF: 6928288.4/53

asym_bcm_cav4cQ_dg_ds_dd_mean vs Slug



Right In: 3.119+/-7.794 χ^2/NDF: 22.7/27

Left Out: -18.187+/-7.260 χ^2/NDF:20.3/23

Right Out: -4.164+/-7.628 χ^2/NDF: 38.8/30

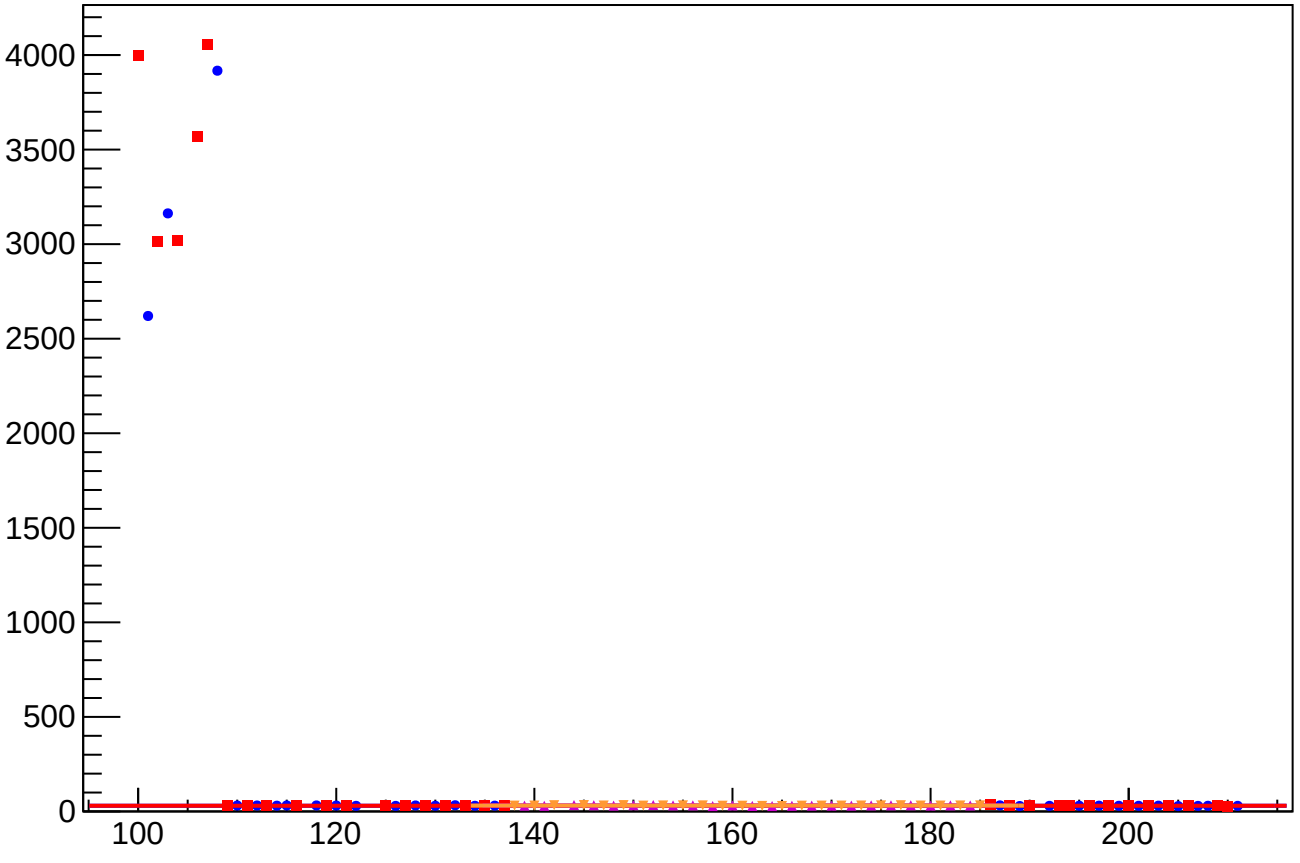
Left In: 2.709+/-7.348 χ^2/NDF:35.5/22

+ sign -8.289+/-5.312 χ^2/NDF: 47.0/51

All: -4.429+/-3.749 χ^2/NDF: 122.8/105

- sign -0.599+/-5.292 χ^2/NDF: 74.8/53

asym_bcm_cav4cQ_dg_ds_dd_rms vs Slug



Right In: 30.159+/-0.006 χ^2/NDF: 3274172.7/27

Left Out: 31.221+/-0.005 χ^2/NDF:47423.0/23

Right Out: 30.157+/-0.005 χ^2/NDF: 3569777.2/30

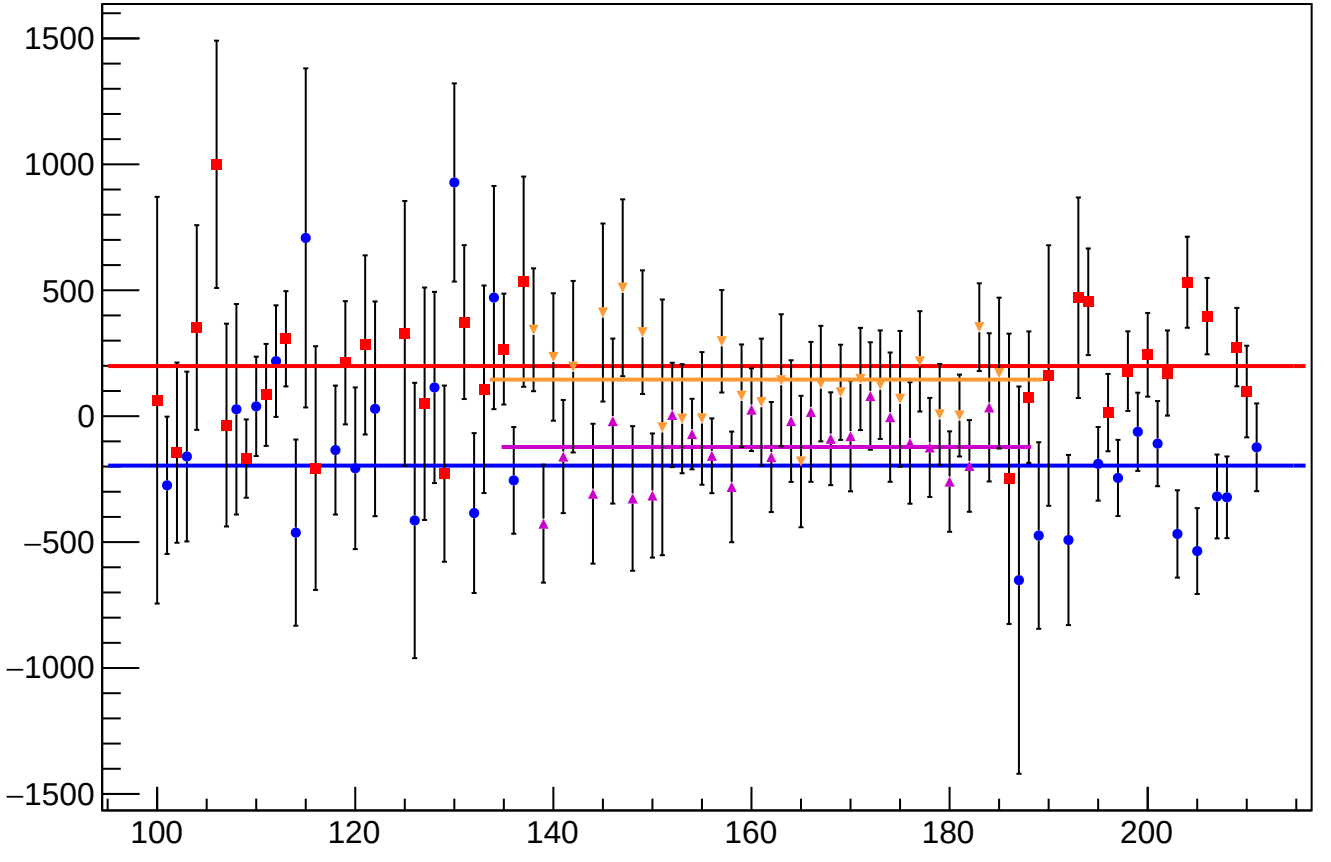
Left In: 31.379+/-0.005 χ^2/NDF:85229.7/22

\+ sign 30.728+/-0.004 χ^2/NDF: 3341488.1/51

All: 30.760+/-0.003 χ^2/NDF: 7023260.3/105

\- sign 30.791+/-0.004 χ^2/NDF: 3681629.8/53

asym_bcm_dg_us_an_us_avg_mean vs Slug



Right In: -196.243+/-43.542 χ^2/NDF: 30.2/27

Left Out: 145.314+/-47.390 χ^2/NDF:9.4/23

Right Out: 199.006+/-42.379 χ^2/NDF: 23.8/30

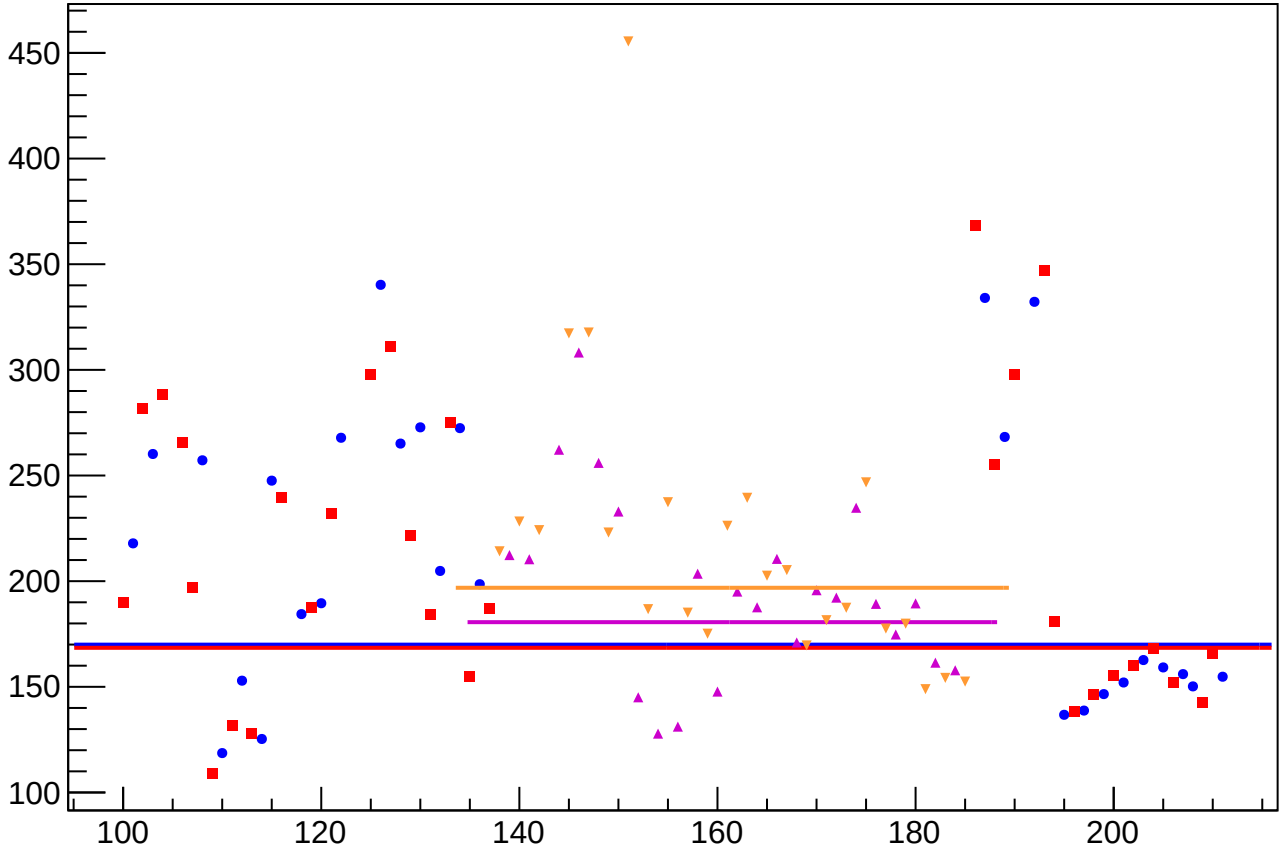
Left In: -122.376+/-44.081 χ^2/NDF:7.9/22

\+ sign -39.894+/-32.063 χ^2/NDF: 67.7/51

All: 4.415+/-22.118 χ^2/NDF: 130.7/105

\- sign 44.640+/-30.550 χ^2/NDF: 59.3/53

asym_bcm_dg_us_an_us_avg_rms vs Slug



Right In: 169.961+/-0.031 χ^2/NDF: 2257969.3/27

Left Out: 196.873+/-0.034 χ^2/NDF:1725106.9/23

Right Out: 168.466+/-0.030 χ^2/NDF: 2752372.5/30

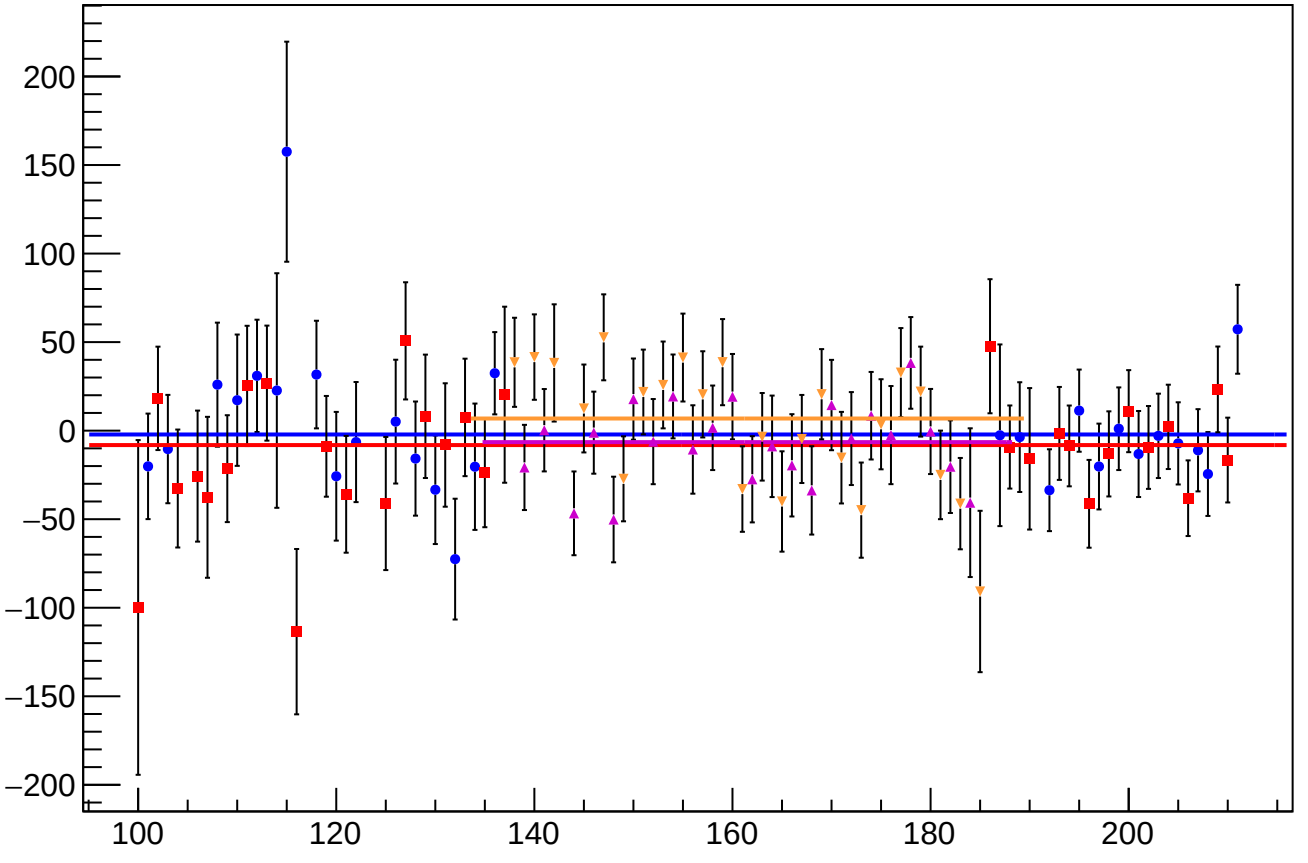
Left In: 180.601+/-0.031 χ^2/NDF:1628072.3/22

+ sign 182.280+/-0.023 χ^2/NDF: 4332800.3/51

All: 178.095+/-0.016 χ^2/NDF: 8857046.3/105

- sign 174.295+/-0.022 χ^2/NDF: 4459220.8/53

asym_bcm_dg_us_an_us_dd_mean vs Slug



Right In: -2.162+/-5.463 χ^2/NDF: 28.5/27

Left Out: 6.857+/-5.229 χ^2/NDF:36.8/23

Right Out: -8.145+/-5.305 χ^2/NDF: 24.8/30

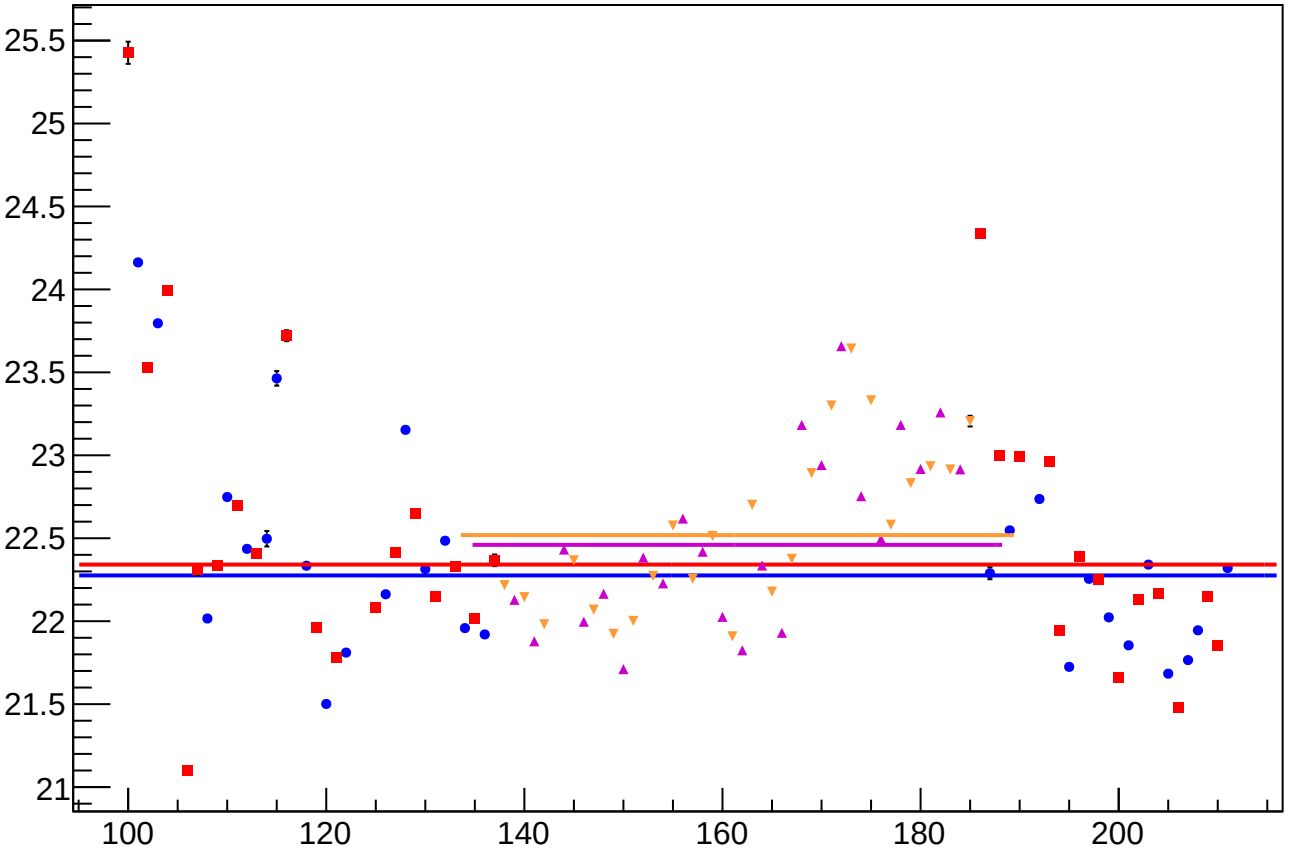
Left In: -6.482+/-5.247 χ^2/NDF:17.4/22

+ sign 2.545+/-3.777 χ^2/NDF: 66.8/51

All: -2.441+/-2.654 χ^2/NDF: 112.5/105

- sign -7.304+/-3.730 χ^2/NDF: 42.3/53

asym_bcm_dg_us_an_us_dd_rms vs Slug



Right In: 22.276+/-0.004 χ^2/NDF: 23293.9/27

Left Out: 22.519+/-0.004 χ^2/NDF:15998.2/23

Right Out: 22.341+/-0.004 χ^2/NDF: 31703.9/30

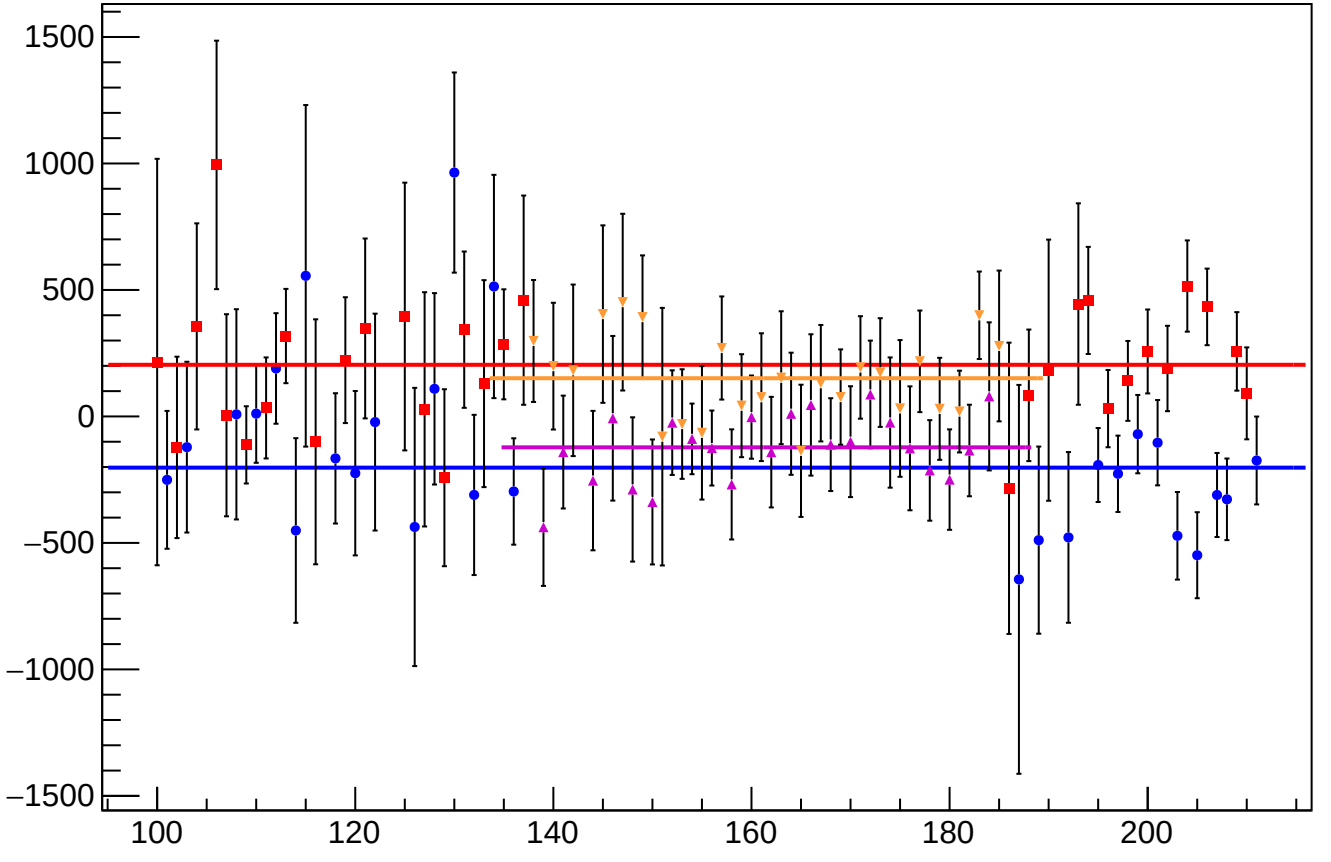
Left In: 22.460+/-0.004 χ^2/NDF:19117.2/22

\+ sign 22.403+/-0.003 χ^2/NDF: 41360.2/51

All: 22.402+/-0.002 χ^2/NDF: 92689.9/105

\- sign 22.401+/-0.003 χ^2/NDF: 51329.6/53

asym_bcm_dg_ds_an_us_avg_mean vs Slug



Right In: -202.462+/-43.411 χ^2/NDF: 29.5/27

Left Out: 151.108+/-47.316 χ^2/NDF:10.0/23

Right Out: 204.161+/-42.202 χ^2/NDF: 22.5/30

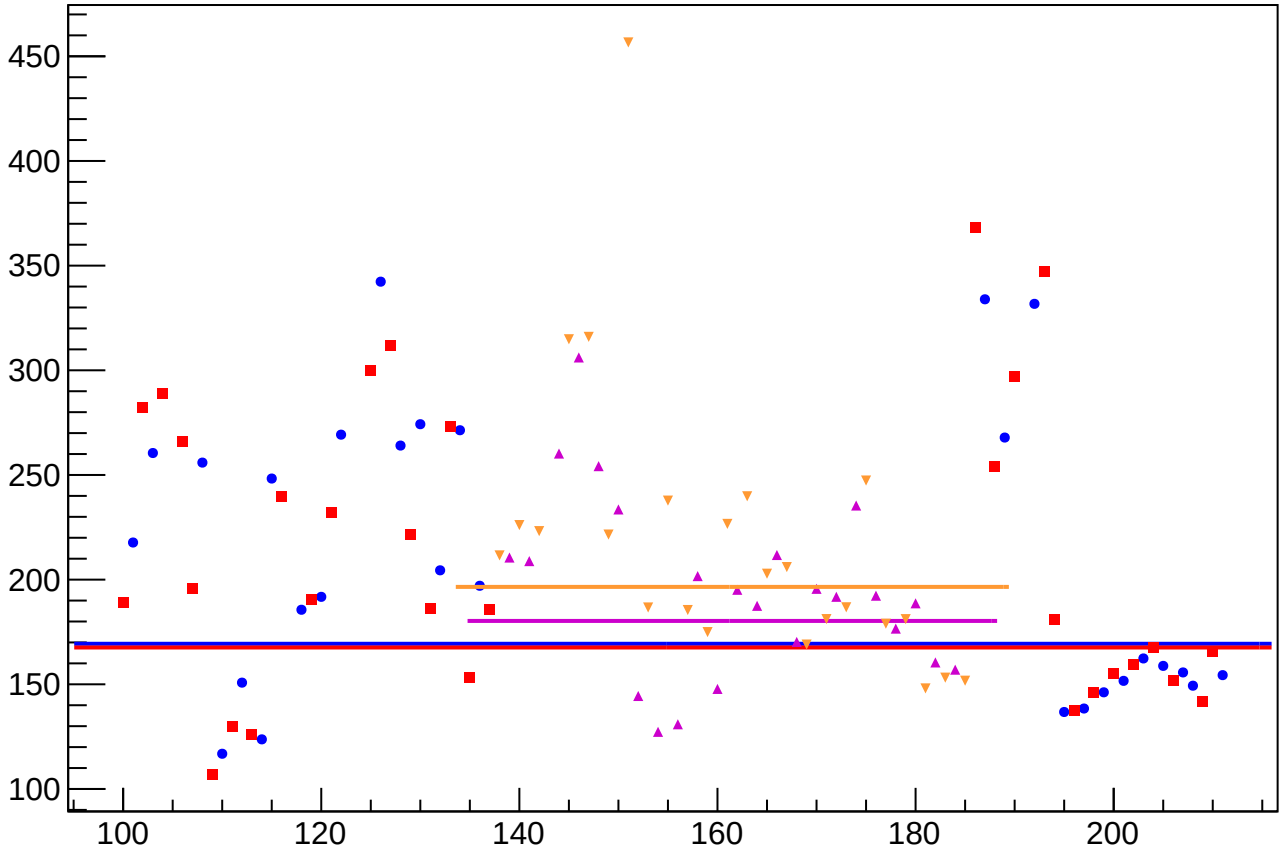
Left In: -122.165+/-44.006 χ^2/NDF:7.5/22

+ sign -40.869+/-31.988 χ^2/NDF: 69.8/51

All: 5.647+/-22.058 χ^2/NDF: 132.5/105

- sign 47.824+/-30.459 χ^2/NDF: 58.6/53

asym_bcm_dg_ds_an_us_avg_rms vs Slug



Right In: 169.360+/-0.031 χ^2/NDF: 2288087.1/27

Left Out: 196.533+/-0.033 χ^2/NDF:1727888.6/23

Right Out: 167.582+/-0.030 χ^2/NDF: 2819276.3/30

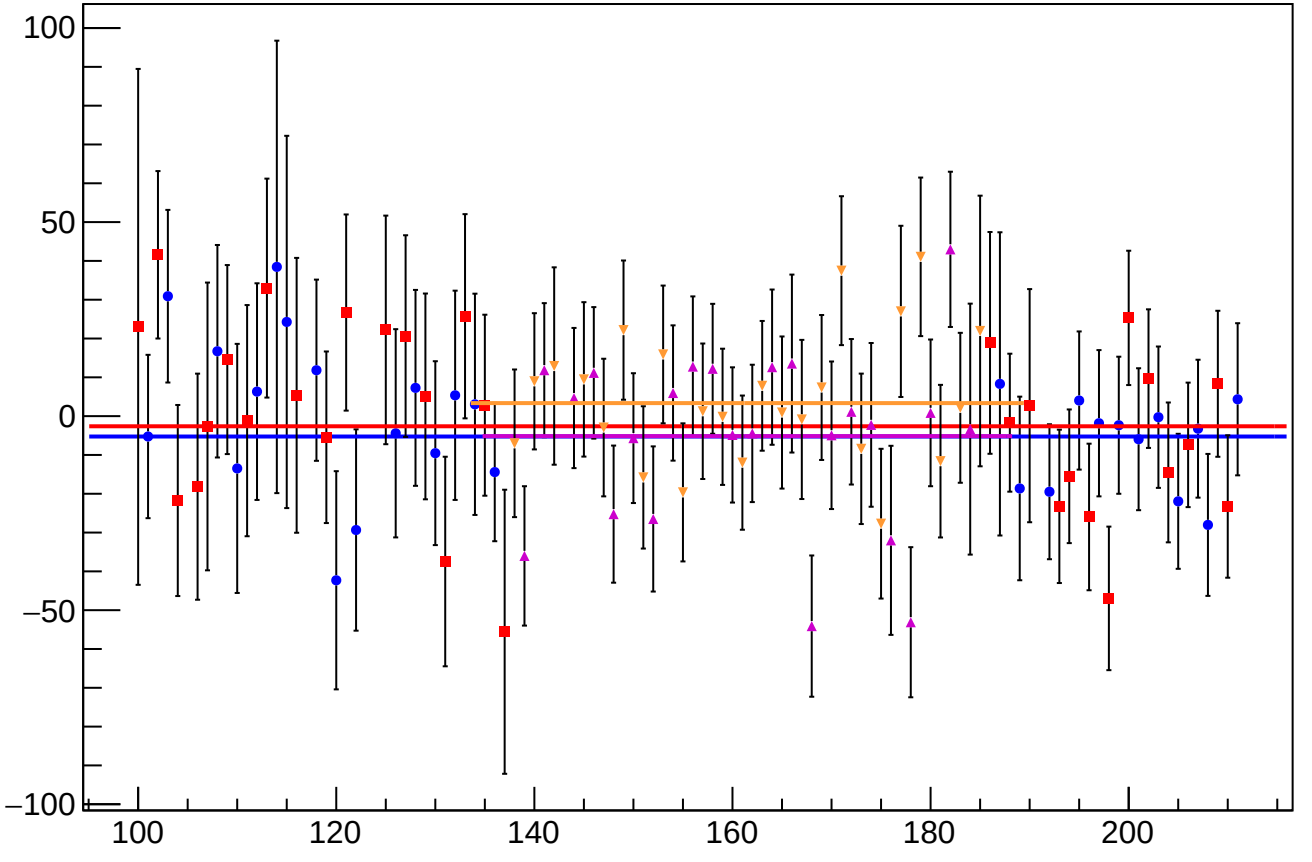
Left In: 180.274+/-0.031 χ^2/NDF:1624682.7/22

\+ sign 181.779+/-0.023 χ^2/NDF: 4374146.6/51

All: 177.522+/-0.016 χ^2/NDF: 8972305.6/105

\- sign 173.663+/-0.022 χ^2/NDF: 4530628.8/53

asym_bcm_dg_ds_an_us_dd_mean vs Slug



Right In: -5.251+/-4.200 χ^2/NDF: 12.6/27

Left Out: 3.359+/-3.905 χ^2/NDF:17.7/23

Right Out: -2.613+/-4.073 χ^2/NDF: 30.0/30

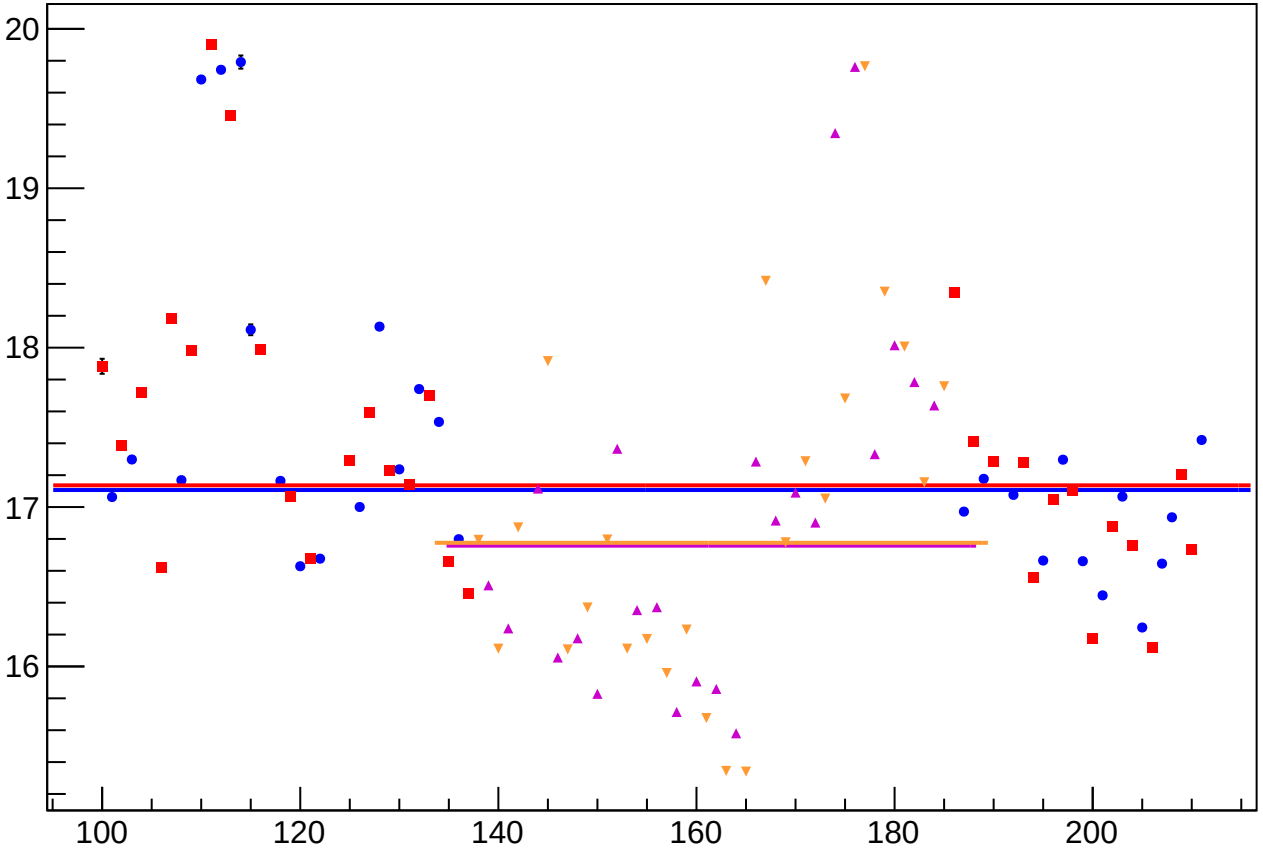
Left In: -5.150+/-3.924 χ^2/NDF:32.3/22

+ sign -0.632+/-2.860 χ^2/NDF: 32.6/51

All: -2.300+/-2.010 χ^2/NDF: 95.8/105

- sign -3.929+/-2.826 χ^2/NDF: 62.5/53

asym_bcm_dg_ds_an_us_dd_rms vs Slug



Right In: 17.107+/-0.003 χ^2/NDF: 55040.3/27

Left Out: 16.776+/-0.003 χ^2/NDF:136142.5/23

Right Out: 17.136+/-0.003 χ^2/NDF: 65036.4/30

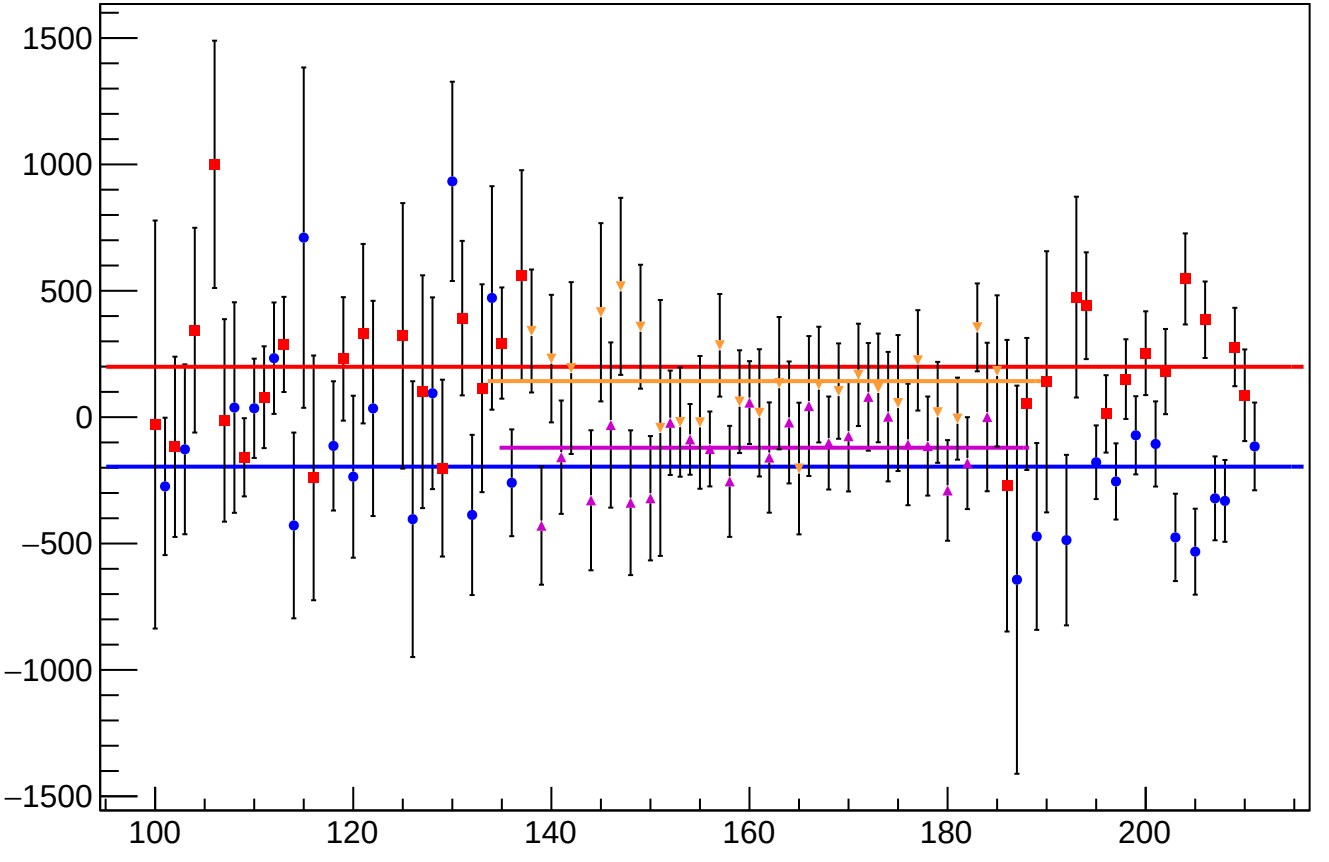
Left In: 16.758+/-0.003 χ^2/NDF:123306.8/22

\+ sign 16.929+/-0.002 χ^2/NDF: 197847.9/51

All: 16.935+/-0.001 χ^2/NDF: 395156.3/105

\- sign 16.940+/-0.002 χ^2/NDF: 197294.1/53

asym_bcm_dg_us_an_ds_avg_mean vs Slug



Right In: -195.813+/-43.409 χ^2/NDF: 30.7/27

Left Out: 142.696+/-47.288 χ^2/NDF:10.2/23

Right Out: 199.354+/-42.251 χ^2/NDF: 24.0/30

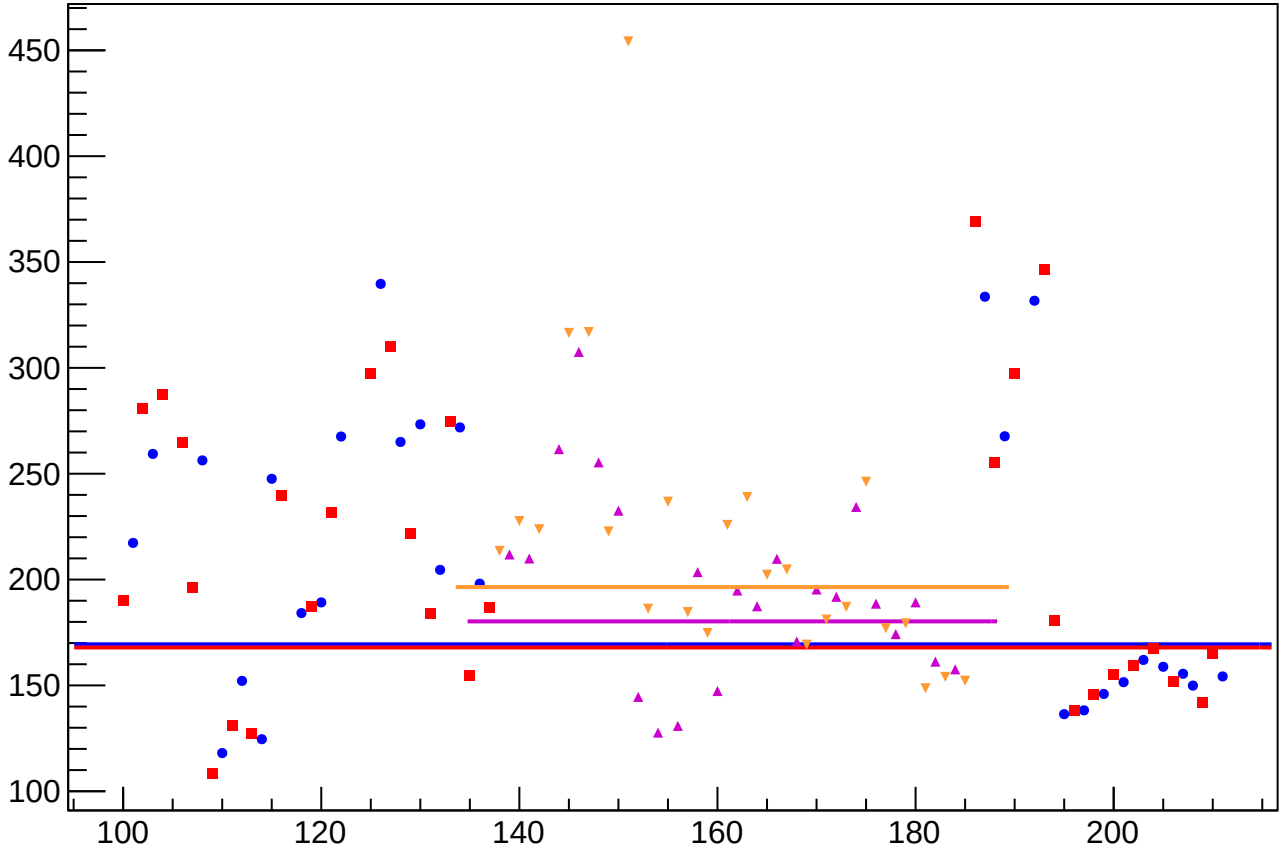
Left In: -120.888+/-43.994 χ^2/NDF:8.2/22

+ sign -41.009+/-31.978 χ^2/NDF: 68.6/51

All: 4.436+/-22.061 χ^2/NDF: 132.3/105

- sign 45.705+/-30.474 χ^2/NDF: 59.8/53

asym_bcm_dg_us_an_ds_avg_rms vs Slug



Right In: 169.408+/-0.031 χ^2/NDF: 2270341.2/27

Left Out: 196.452+/-0.033 χ^2/NDF:1723529.1/23

Right Out: 167.914+/-0.030 χ^2/NDF: 2769505.9/30

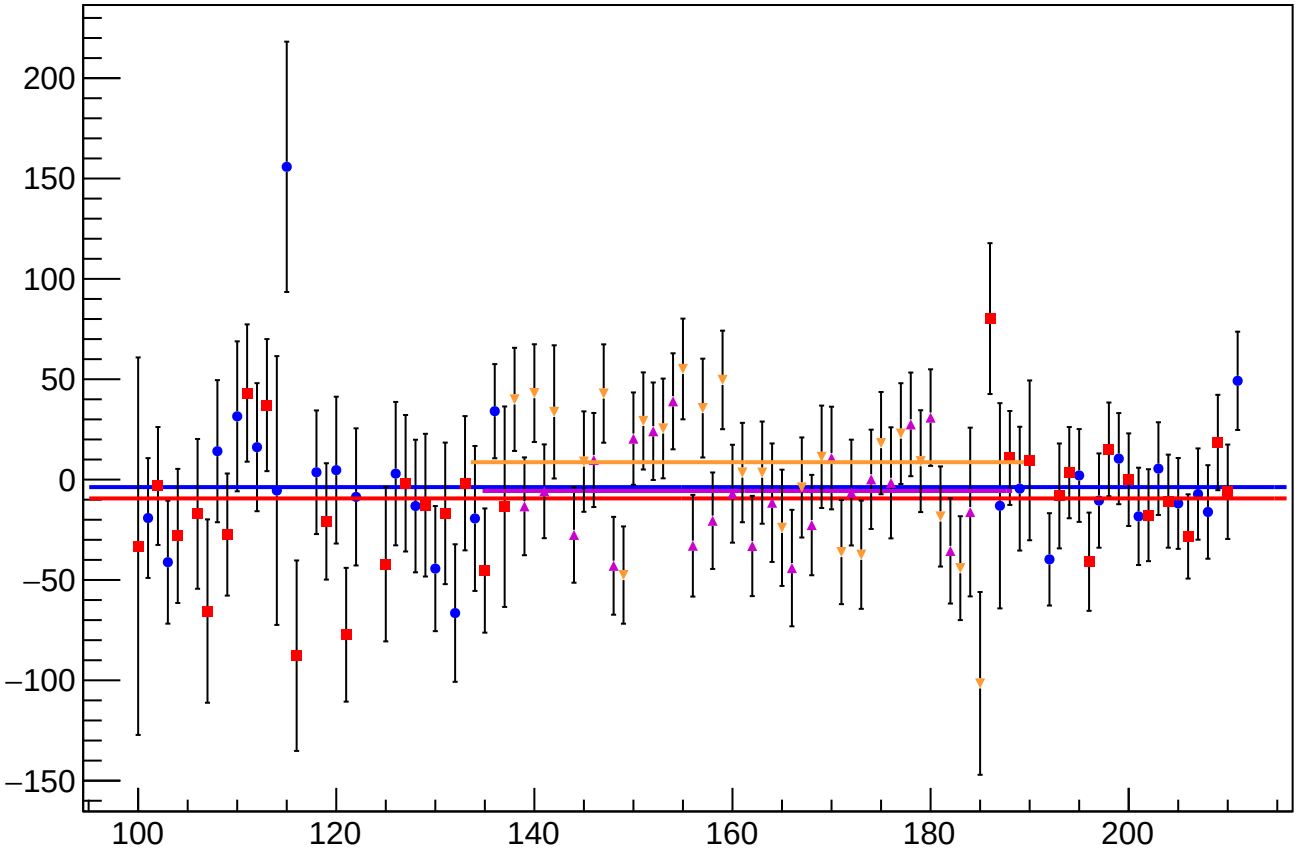
Left In: 180.248+/-0.031 χ^2/NDF:1627777.0/22

+ sign 181.776+/-0.023 χ^2/NDF: 4348855.5/51

All: 177.612+/-0.016 χ^2/NDF: 8892597.4/105

- sign 173.832+/-0.022 χ^2/NDF: 4479057.0/53

asym_bcm_dg_us_an_ds_dd_mean vs Slug



Right In: -3.740+/-5.430 χ^2/NDF: 26.6/27

Left Out: 8.664+/-5.275 χ^2/NDF:39.2/23

Right Out: -9.377+/-5.285 χ^2/NDF: 28.2/30

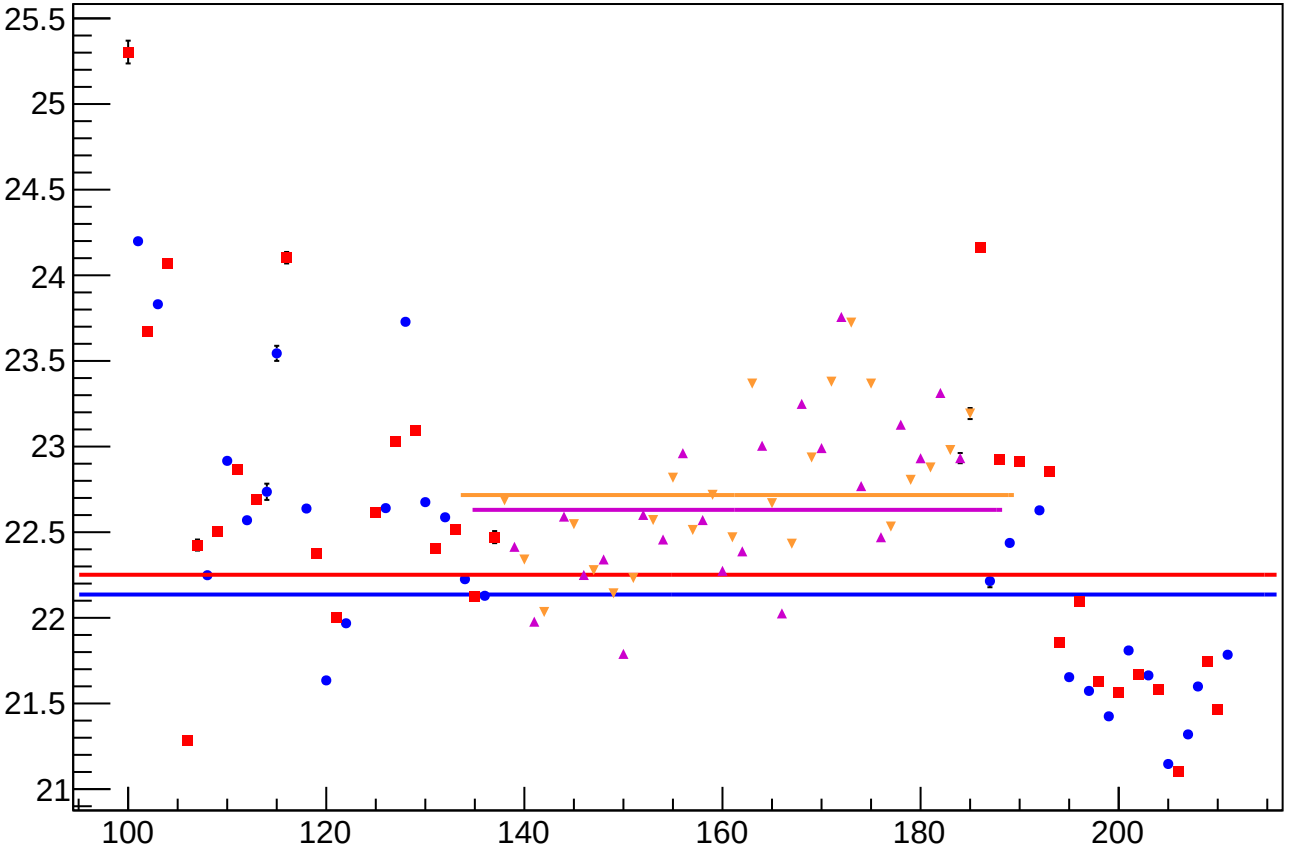
Left In: -5.668+/-5.286 χ^2/NDF:20.8/22

+ sign 2.642+/-3.784 χ^2/NDF: 68.4/51

All: -2.503+/-2.659 χ^2/NDF: 121.3/105

- sign -7.523+/-3.737 χ^2/NDF: 49.2/53

asym_bcm_dg_us_an_ds_dd_rms vs Slug



Right In: 22.136+/-0.004 χ^2/NDF: 39250.4/27

Left Out: 22.717+/-0.004 χ^2/NDF:12177.5/23

Right Out: 22.252+/-0.004 χ^2/NDF: 45399.9/30

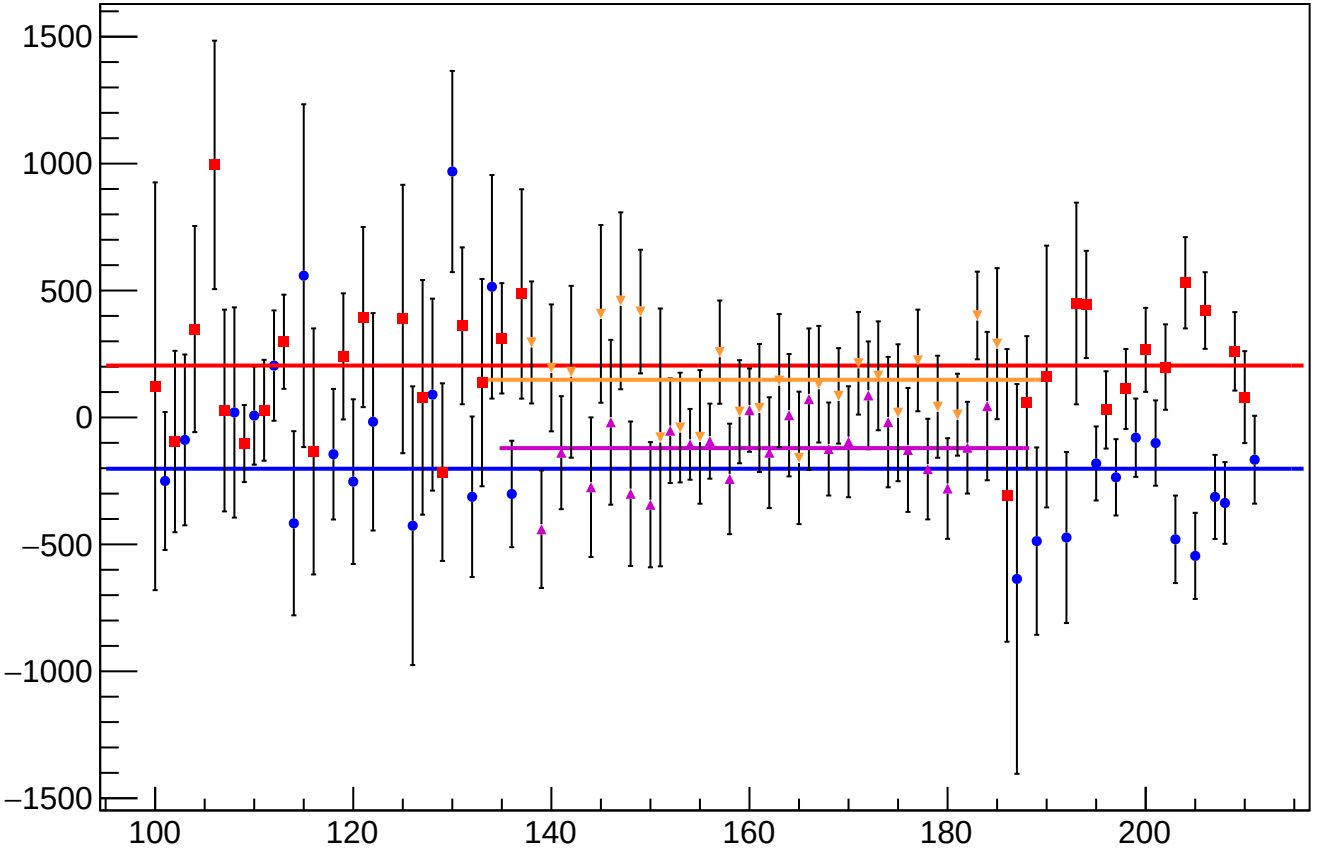
Left In: 22.631+/-0.004 χ^2/NDF:15391.4/22

+ sign 22.435+/-0.003 χ^2/NDF: 63202.5/51

All: 22.438+/-0.002 χ^2/NDF: 129138.0/105

- sign 22.441+/-0.003 χ^2/NDF: 65933.0/53

asym_bcm_dg_ds_an_ds_avg_mean vs Slug



Right In: -202.014+/-43.276 χ^2/NDF: 30.0/27

Left Out: 148.424+/-47.213 χ^2/NDF:10.9/23

Right Out: 204.494+/-42.073 χ^2/NDF: 22.7/30

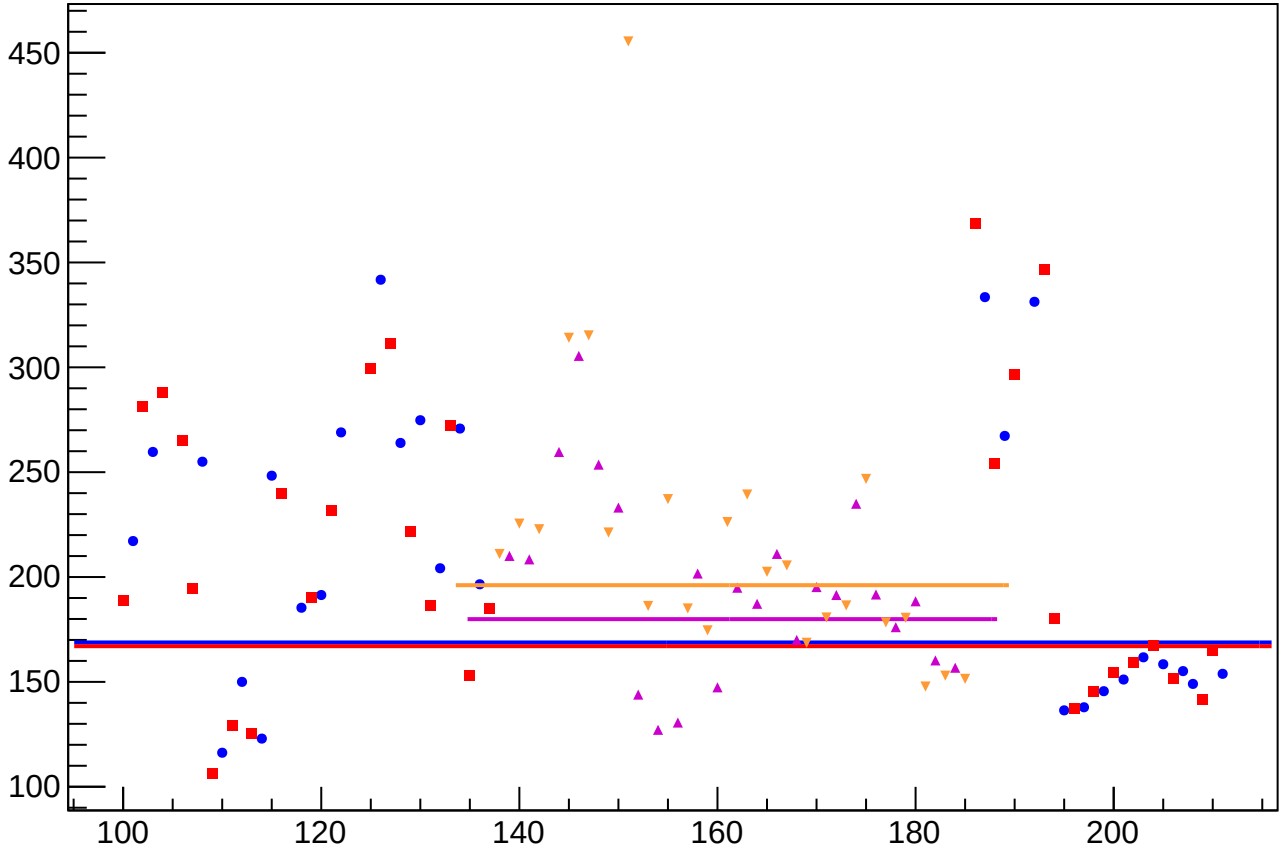
Left In: -120.760+/-43.920 χ^2/NDF:7.9/22

+ sign -42.012+/-31.902 χ^2/NDF: 70.8/51

All: 5.635+/-22.001 χ^2/NDF: 134.3/105

- sign 48.850+/-30.382 χ^2/NDF: 59.2/53

asym_bcm_dg_ds_an_ds_avg_rms vs Slug



Right In: 168.802+/-0.031 χ^2/NDF: 2300933.1/27

Left Out: 196.112+/-0.033 χ^2/NDF:1726285.1/23

Right Out: 167.024+/-0.030 χ^2/NDF: 2837234.3/30

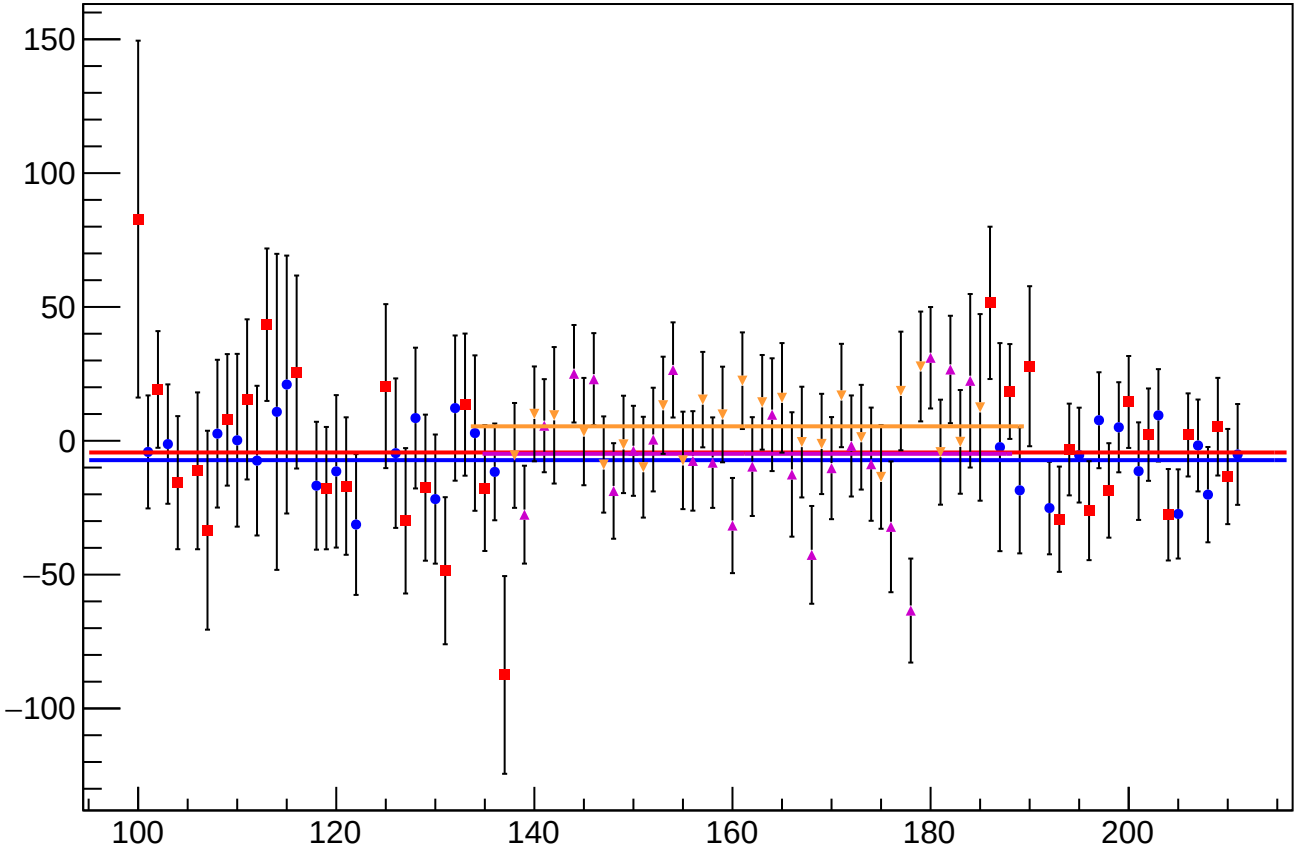
Left In: 179.923+/-0.031 χ^2/NDF:1624144.3/22

+ sign 181.271+/-0.023 χ^2/NDF: 4390872.8/51

All: 177.037+/-0.016 χ^2/NDF: 9009405.4/105

- sign 173.197+/-0.021 χ^2/NDF: 4551345.7/53

asym_bcm_dg_ds_an_ds_dd_mean vs Slug



Right In: -7.234+/-4.153 χ^2/NDF: 8.8/27

Left Out: 5.406+/-3.972 χ^2/NDF:7.8/23

Right Out: -4.367+/-4.041 χ^2/NDF: 32.9/30

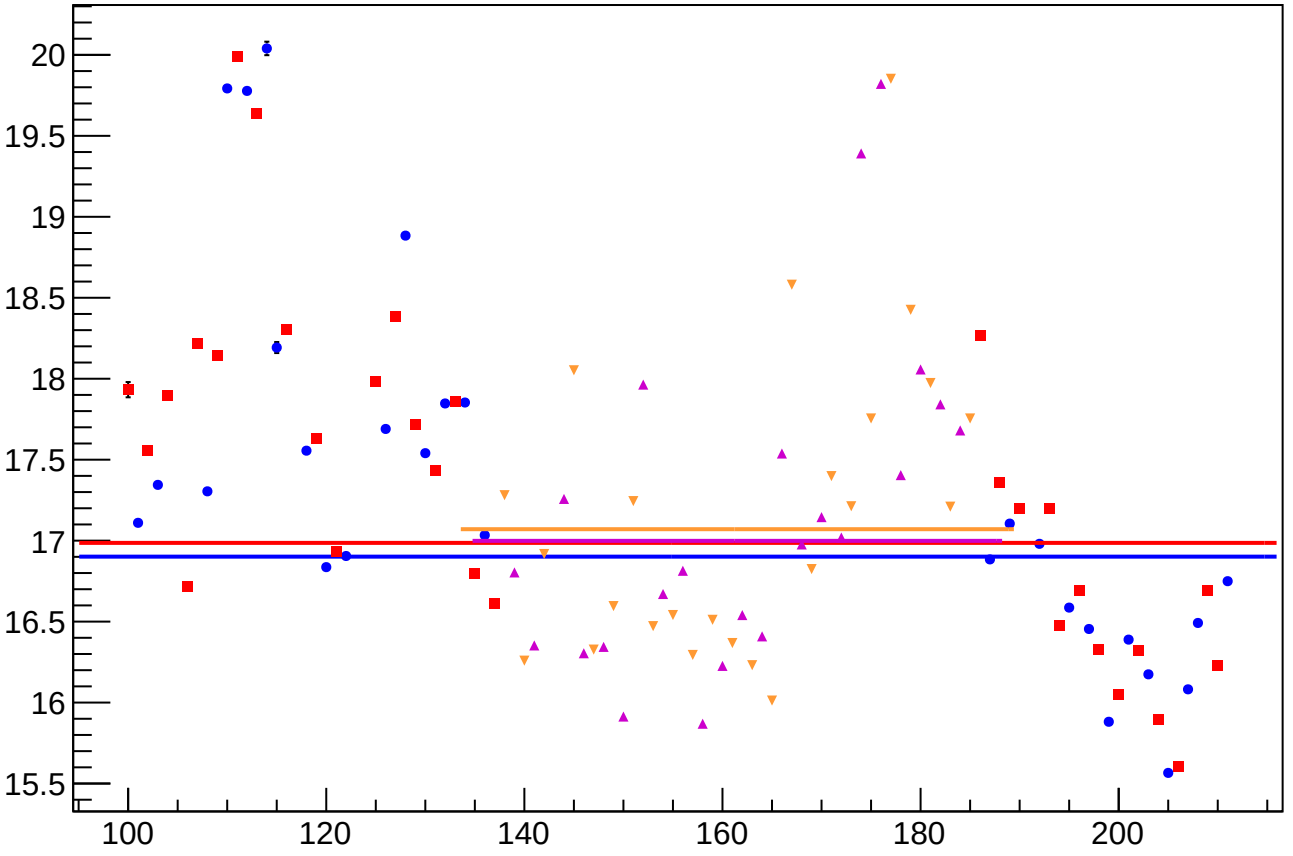
Left In: -4.858+/-3.980 χ^2/NDF:35.5/22

+ sign -0.633+/-2.870 χ^2/NDF: 21.4/51

All: -2.649+/-2.017 χ^2/NDF: 90.9/105

- sign -4.616+/-2.836 χ^2/NDF: 68.5/53

asym_bcm_dg_ds_an_ds_dd_rms vs Slug



Right In: 16.901+/-0.003 χ^2/NDF: 99425.7/27

Left Out: 17.071+/-0.003 χ^2/NDF:96312.6/23

Right Out: 16.986+/-0.003 χ^2/NDF: 112321.9/30

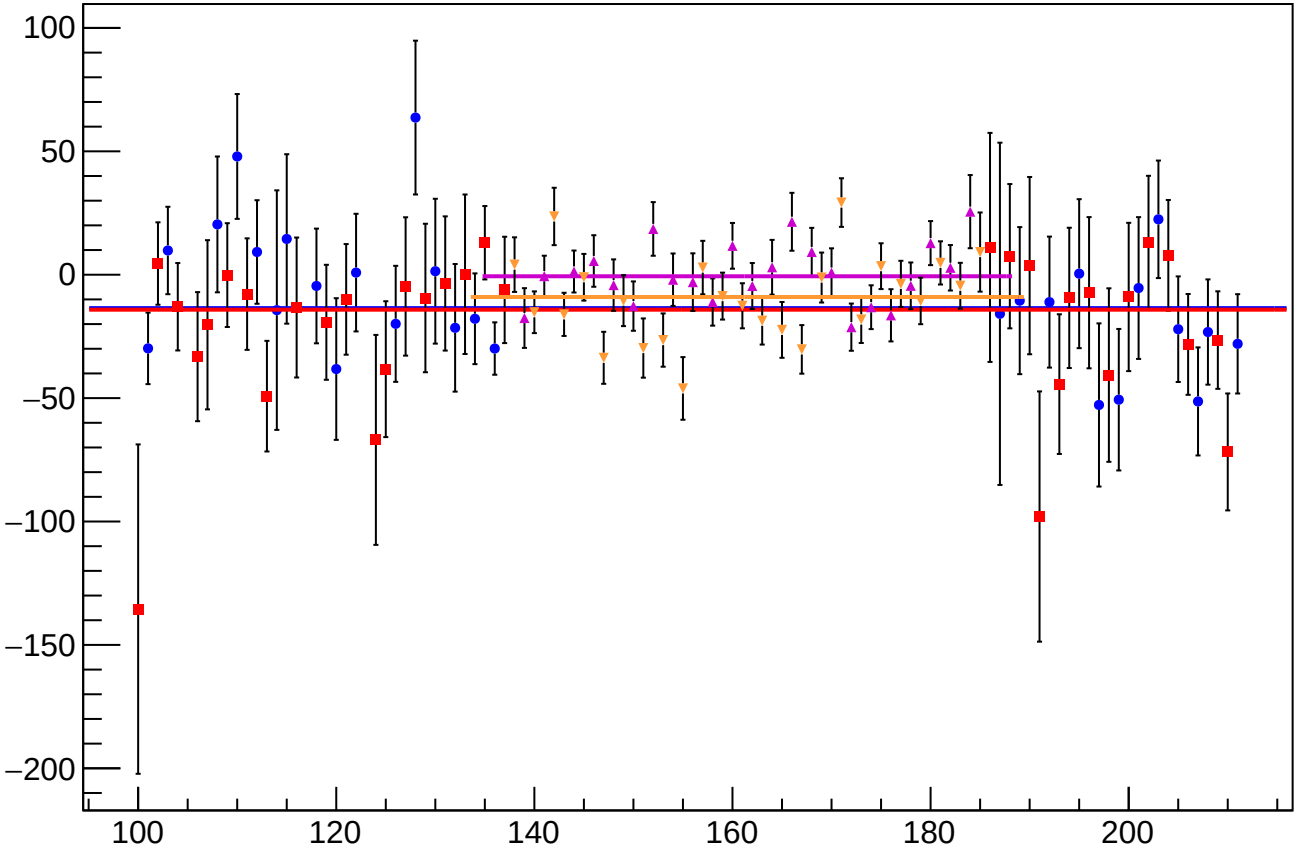
Left In: 16.999+/-0.003 χ^2/NDF:104021.0/22

\+ sign 16.990+/-0.002 χ^2/NDF: 197477.7/51

All: 16.991+/-0.001 χ^2/NDF: 413831.4/105

\- sign 16.993+/-0.002 χ^2/NDF: 216352.7/53

diff_bpm_4aX_4acX_avg_mean vs Slug



Right In: -13.544+/-4.286 χ^2/NDF: 32.1/27

Left Out: -9.027+/-2.006 χ^2/NDF:62.0/24

Right Out: -14.168+/-4.377 χ^2/NDF: 28.8/32

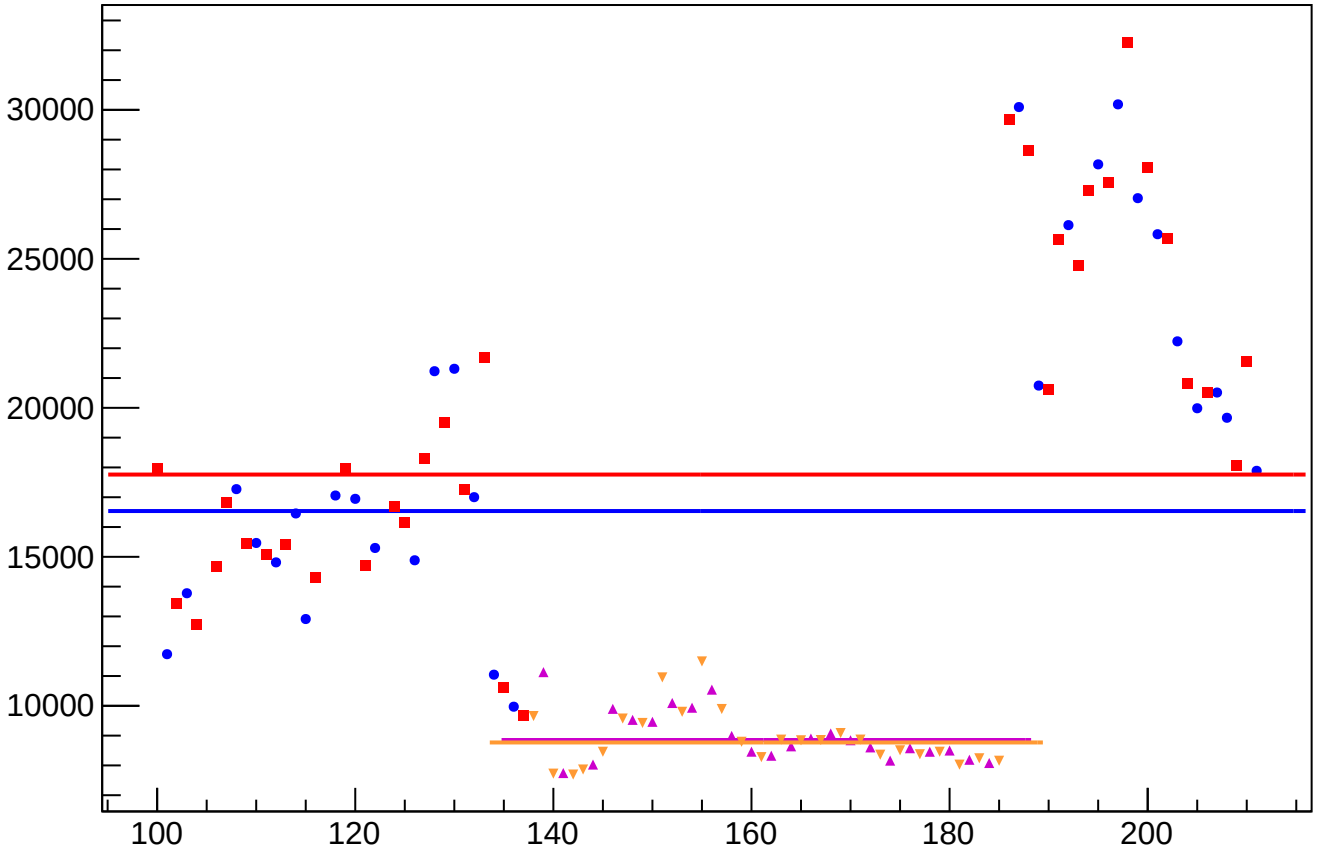
Left In: -0.628+/-2.079 χ^2/NDF:29.5/22

+ sign -9.839+/-1.817 χ^2/NDF: 95.0/52

All: -6.591+/-1.306 χ^2/NDF: 167.7/108

- sign -3.121+/-1.878 χ^2/NDF: 66.1/55

diff_bpm_4aX_4acX_avg_rms vs Slug



Right In: 16536.726+/-3.031 χ^2/NDF: 3146707.7/27

Left Out: 8770.330+/-1.419 χ^2/NDF:345180.6/24

Right Out: 17760.966+/-3.095 χ^2/NDF: 3146971.0/32

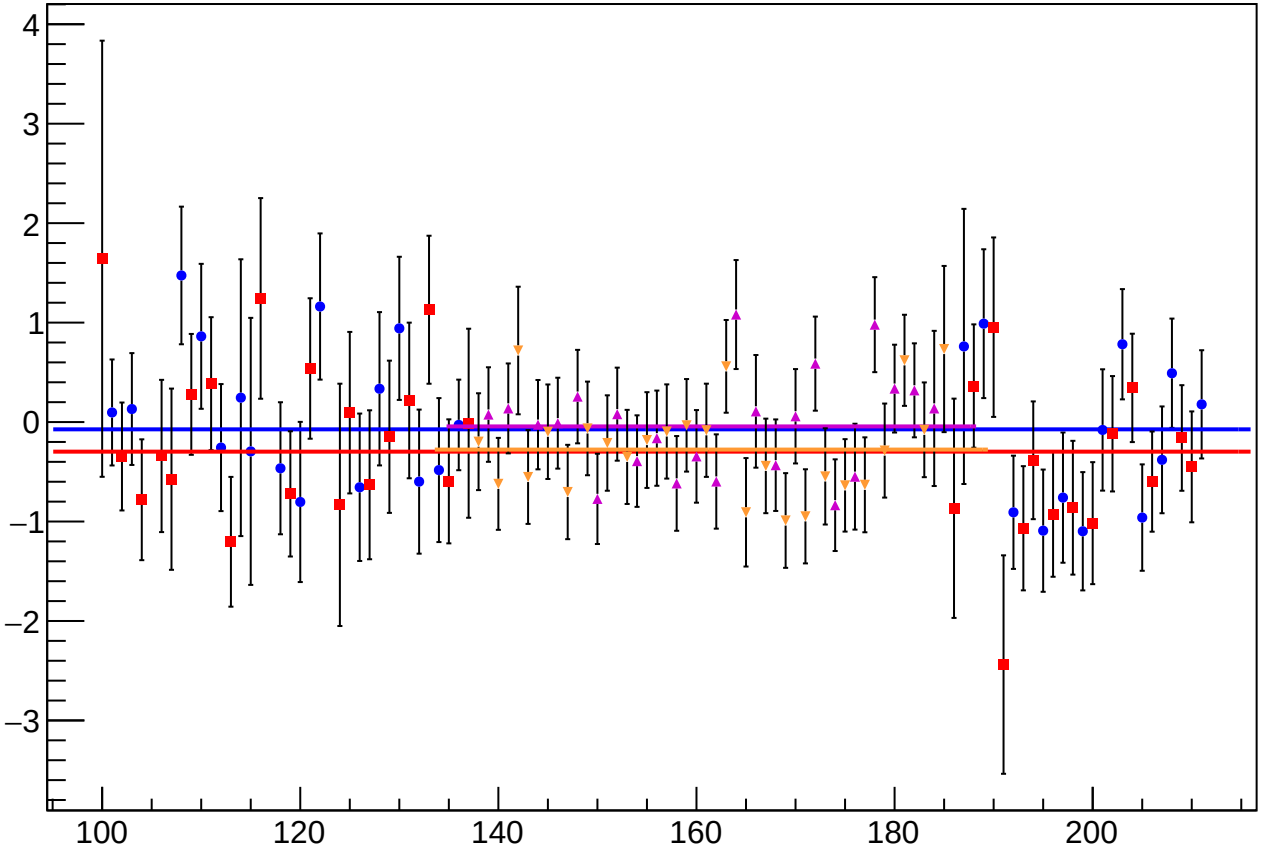
Left In: 8852.820+/-1.470 χ^2/NDF:299860.4/22

+ sign 10166.477+/-1.285 χ^2/NDF: 8878667.5/52

All: 10324.259+/-0.923 χ^2/NDF: 19114970.8

- sign 10492.808+/-1.328 χ^2/NDF: 10205117.6/55

diff_bpm_4aX_4acX_dd_mean vs Slug



Right In: -0.073+/-0.122 χ^2/NDF: 32.9/27

Left Out: -0.277+/-0.097 χ^2/NDF:21.0/24

Right Out: -0.297+/-0.119 χ^2/NDF: 28.4/32

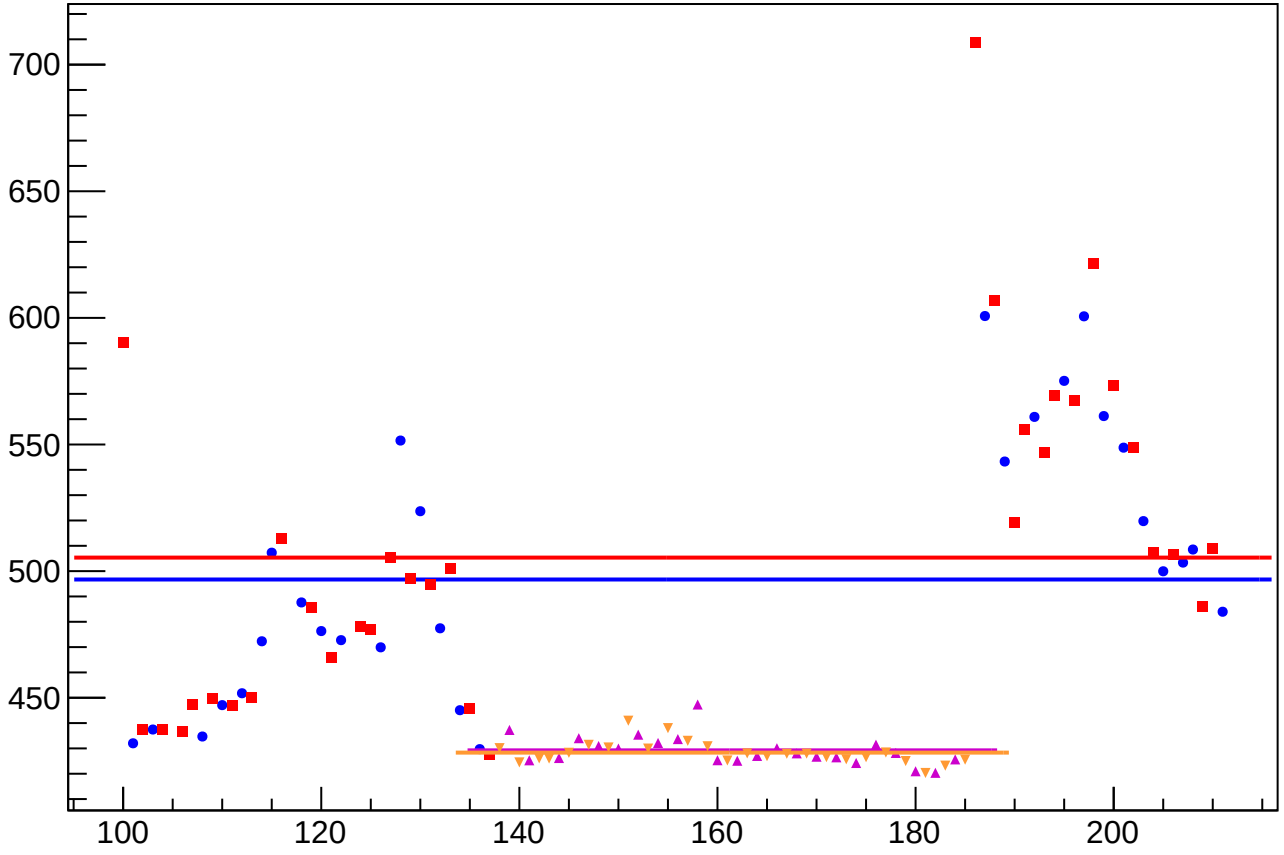
Left In: -0.044+/-0.100 χ^2/NDF:23.8/22

+ sign -0.198+/-0.076 χ^2/NDF: 55.6/52

All: -0.173+/-0.054 χ^2/NDF: 110.6/108

- sign -0.149+/-0.077 χ^2/NDF: 54.9/55

diff_bpm_4aX_4acX_dd_rms vs Slug



Right In: 496.698+/-0.087 χ^2/NDF: 333282.8/27

Left Out: 428.343+/-0.069 χ^2/NDF:4016.5/24

Right Out: 505.346+/-0.084 χ^2/NDF: 449874.8/32

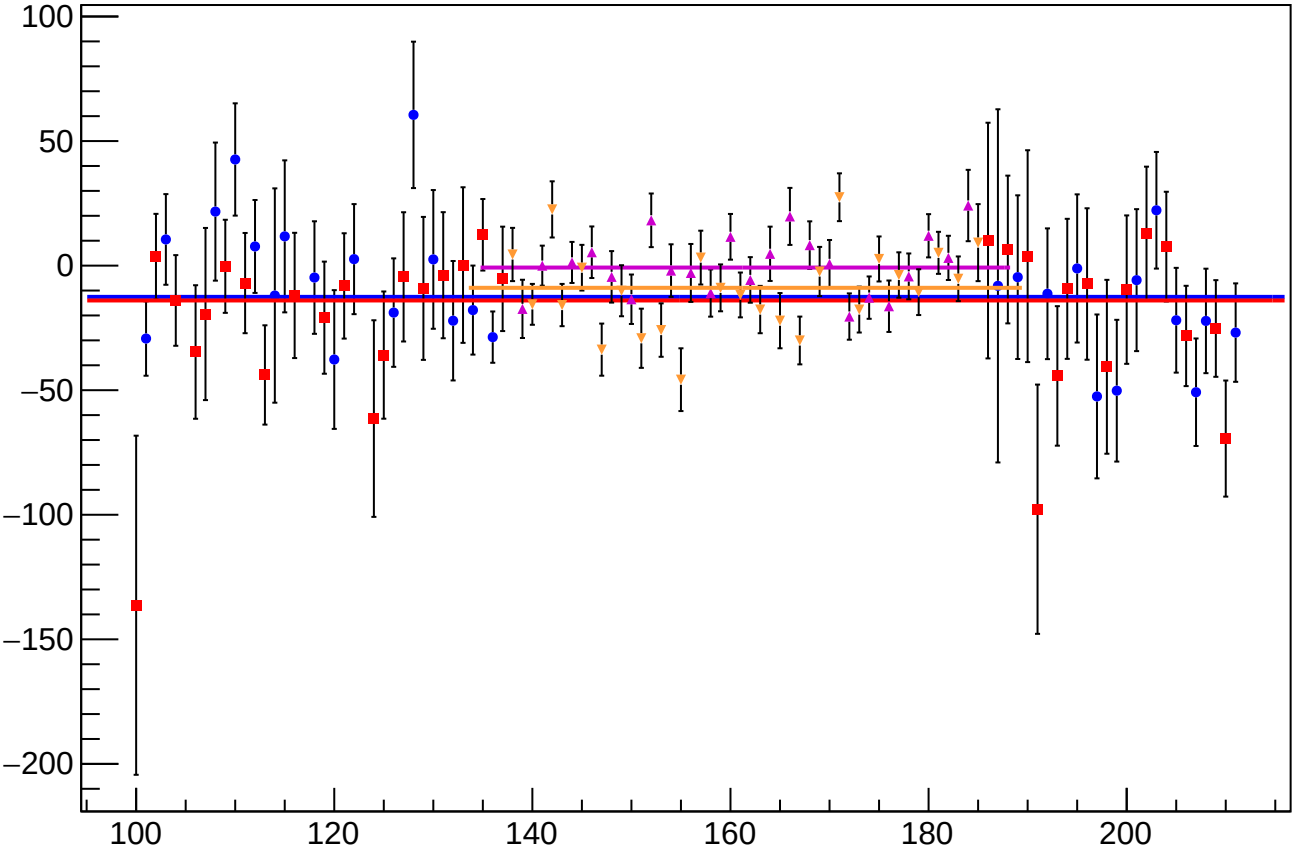
Left In: 429.228+/-0.071 χ^2/NDF:6749.9/22

+ sign 454.807+/-0.054 χ^2/NDF: 719404.2/52

All: 457.732+/-0.038 χ^2/NDF: 1658925.8/108

- sign 460.703+/-0.054 χ^2/NDF: 933574.8/55

diff_bpm_4aX_4eX_avg_mean vs Slug



Right In: -12.537+/-4.167 χ^2/NDF: 32.6/27

Left Out: -8.904+/-1.961 χ^2/NDF:61.6/24

Right Out: -13.983+/-4.240 χ^2/NDF: 28.3/32

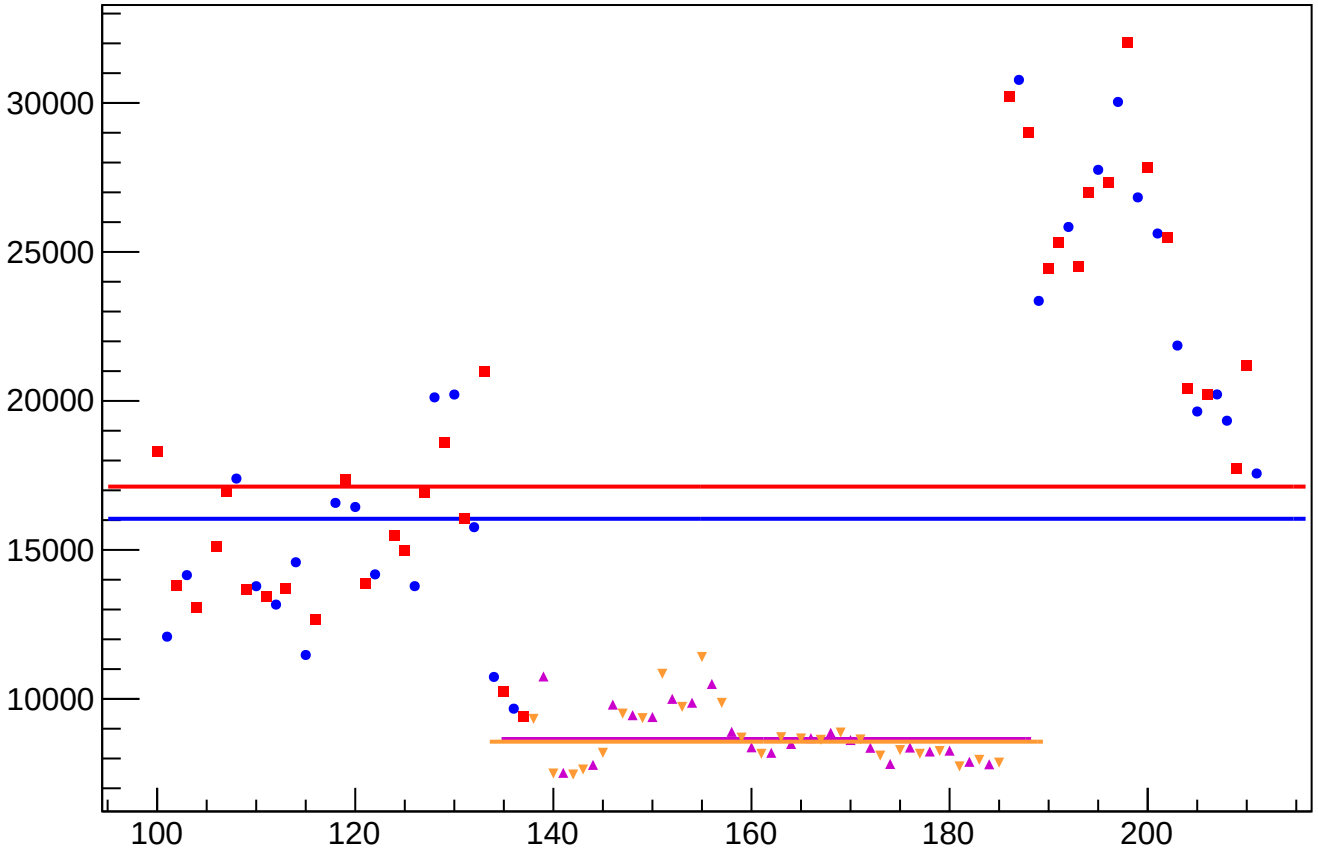
Left In: -0.773+/-2.034 χ^2/NDF:29.3/22

+ sign -9.563+/-1.774 χ^2/NDF: 94.8/52

All: -6.508+/-1.275 χ^2/NDF: 166.4/108

- sign -3.244+/-1.834 χ^2/NDF: 65.4/55

diff_bpm_4aX_4eX_avg_rms vs Slug



Right In: 16044.686+/-2.946 χ^2/NDF: 3312501.4/27

Left Out: 8564.413+/-1.387 χ^2/NDF:400646.9/24

Right Out: 17124.757+/-2.998 χ^2/NDF: 3446311.1/32

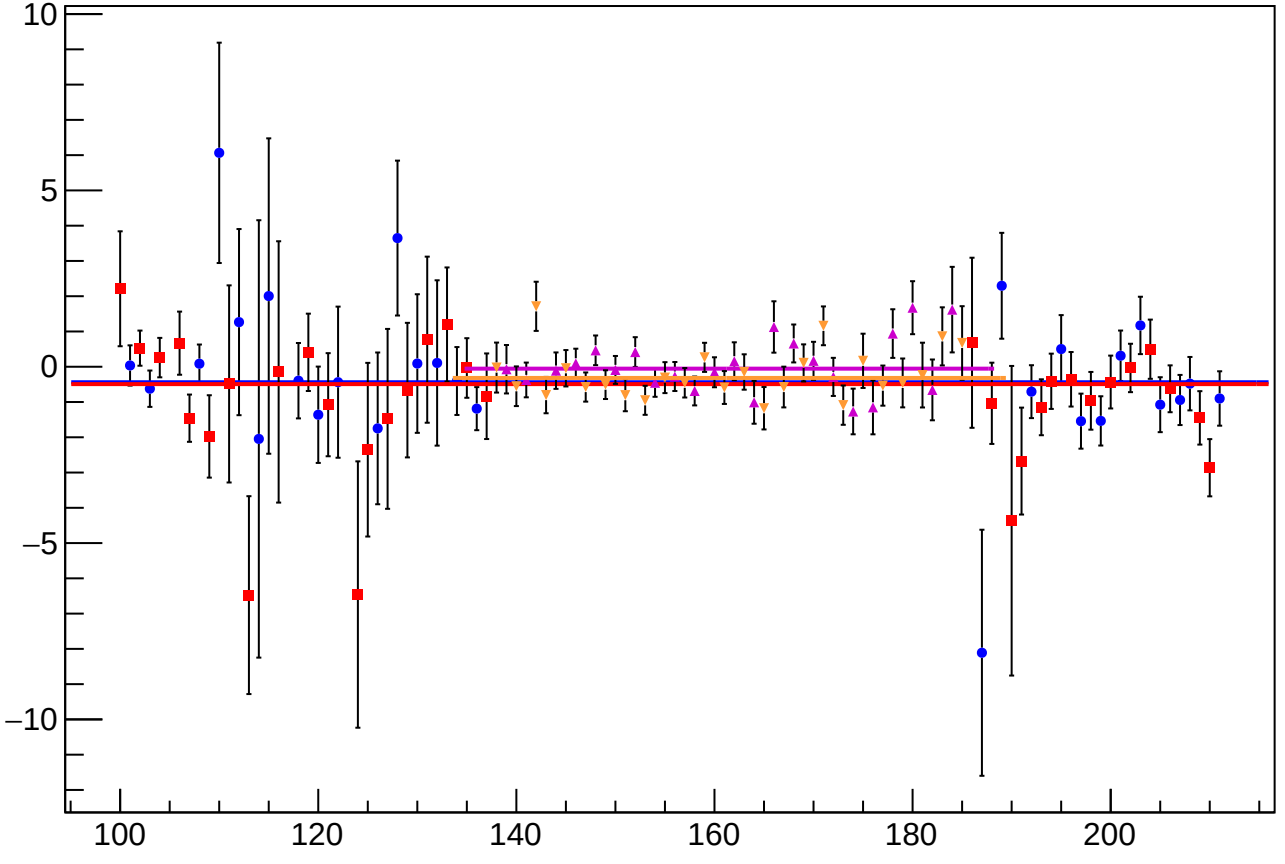
Left In: 8654.310+/-1.438 χ^2/NDF:345603.4/22

+ sign 9920.753+/-1.255 χ^2/NDF: 8990624.1/52

All: 10074.450+/-0.902 χ^2/NDF: 19301764.9

- sign 10238.659+/-1.297 χ^2/NDF: 10280095.7/55

diff_bpm_4aX_4eX_dd_mean vs Slug



Right In: -0.440+/-0.171 χ^2/NDF: 33.0/27

Left Out: -0.318+/-0.106 χ^2/NDF:32.3/24

Right Out: -0.493+/-0.168 χ^2/NDF: 40.9/32

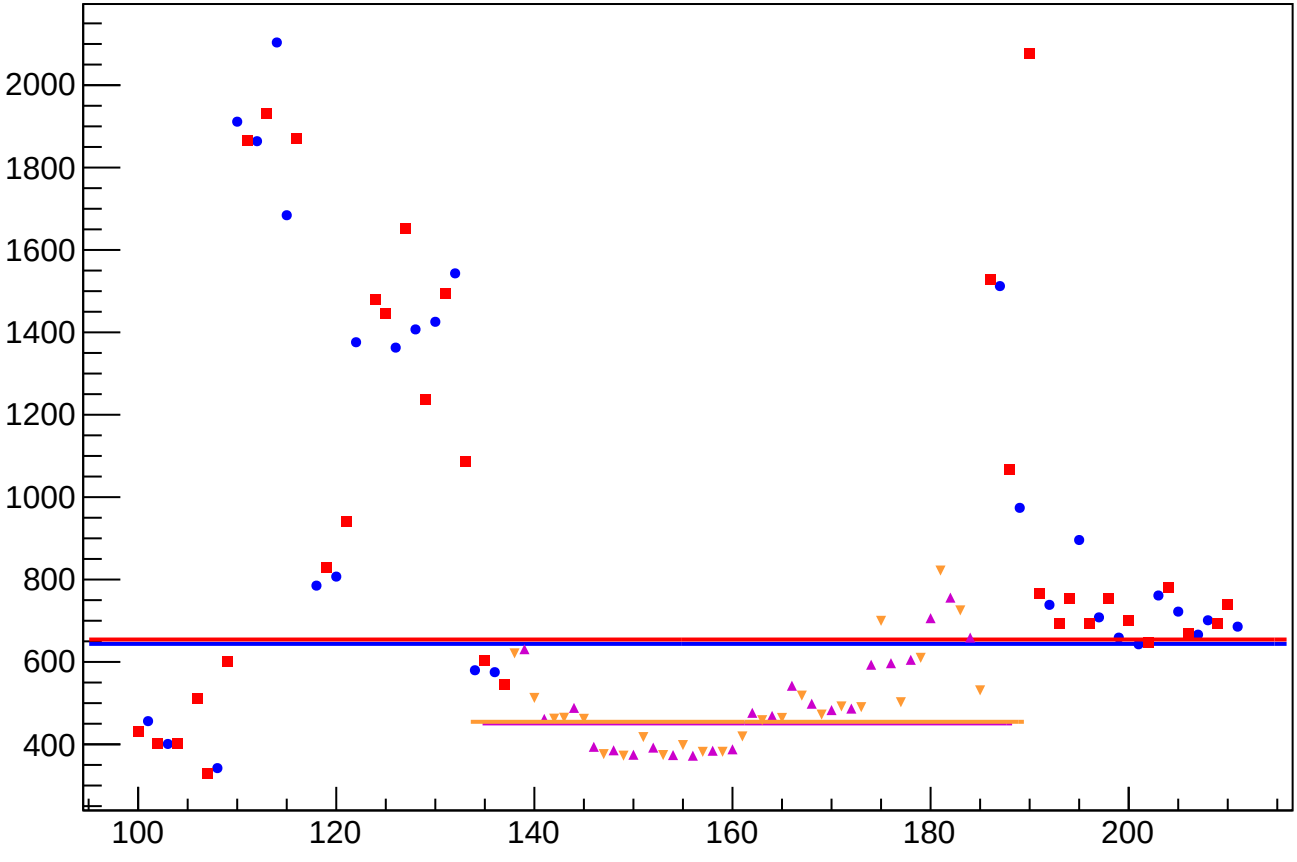
Left In: -0.054+/-0.108 χ^2/NDF:29.8/22

+ sign -0.352+/-0.090 χ^2/NDF: 65.7/52

All: -0.268+/-0.064 χ^2/NDF: 142.9/108

- sign -0.182+/-0.091 χ^2/NDF: 75.5/55

diff_bpm_4aX_4eX_dd_rms vs Slug



Right In: 643.856+/-0.121 χ^2/NDF: 4141975.3/27

Left Out: 454.697+/-0.075 χ^2/NDF:1451363.0/24

Right Out: 654.420+/-0.119 χ^2/NDF: 4729973.7/32

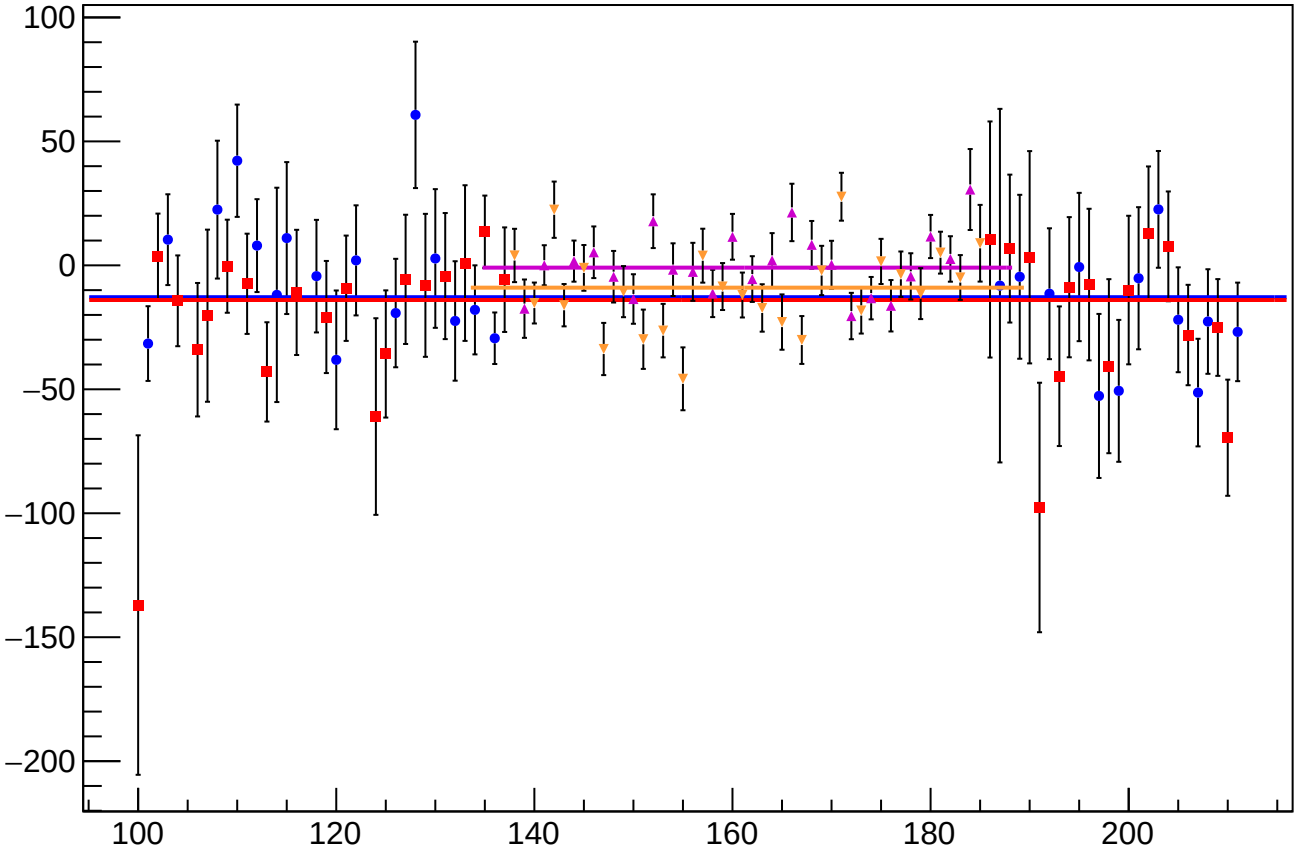
Left In: 450.767+/-0.076 χ^2/NDF:1471497.9/22

+ sign 507.385+/-0.064 χ^2/NDF: 7368152.6/52

All: 508.868+/-0.045 χ^2/NDF: 15647194.8/10

- sign 510.382+/-0.064 χ^2/NDF: 8277945.1/55

diff_bpm_4aX_4ecX_avg_mean vs Slug



Right In: -12.850+/-4.193 χ^2/NDF: 33.1/27

Left Out: -9.001+/-1.982 χ^2/NDF:61.3/24

Right Out: -13.976+/-4.268 χ^2/NDF: 28.0/32

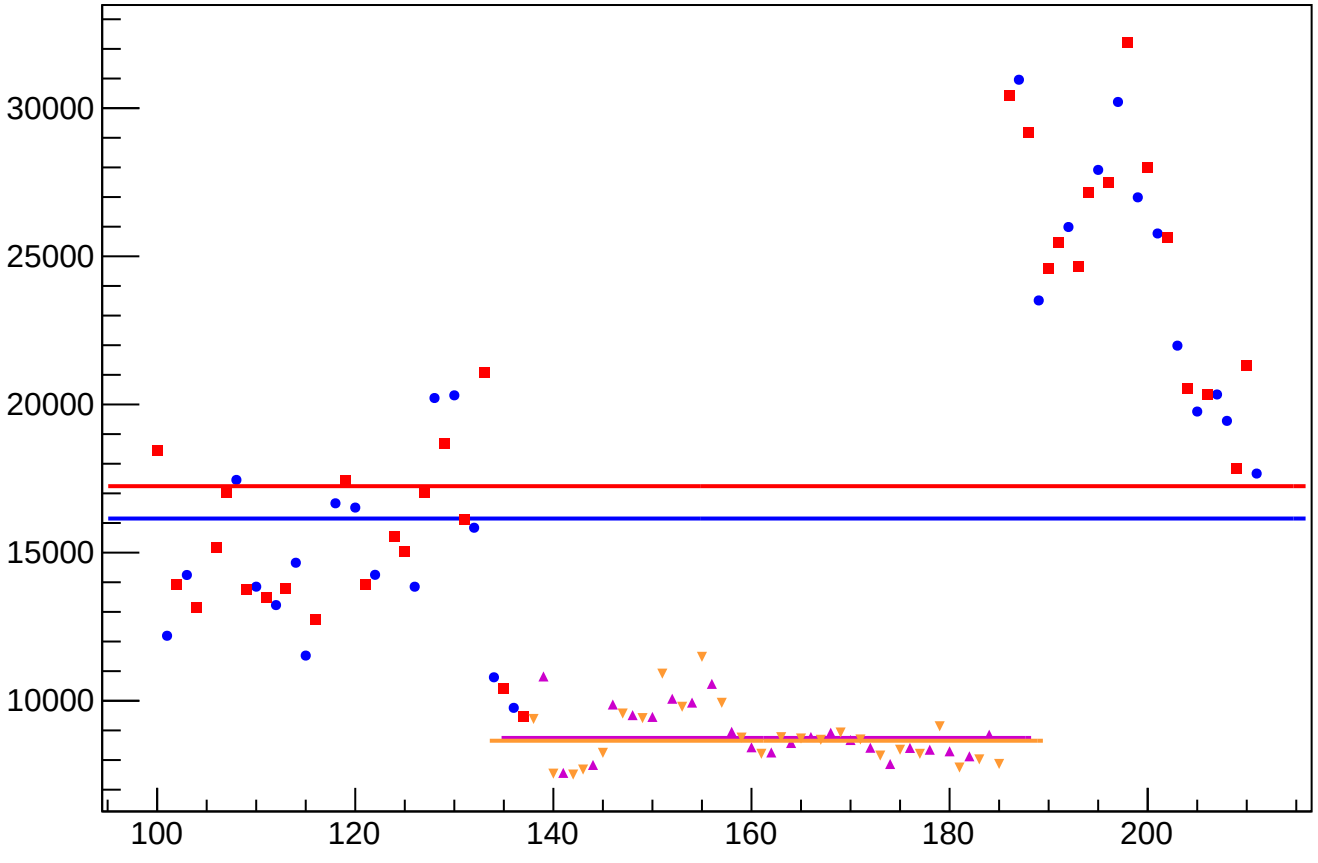
Left In: -0.925+/-2.056 χ^2/NDF:29.9/22

+ sign -9.703+/-1.792 χ^2/NDF: 95.0/52

All: -6.647+/-1.288 χ^2/NDF: 166.5/108

- sign -3.383+/-1.852 χ^2/NDF: 65.4/55

diff_bpm_4aX_4ecX_avg_rms vs Slug



Right In: 16150.796+/-2.965 χ^2/NDF: 3297139.0/27

Left Out: 8651.872+/-1.401 χ^2/NDF:405419.4/24

Right Out: 17242.698+/-3.018 χ^2/NDF: 3423391.1/32

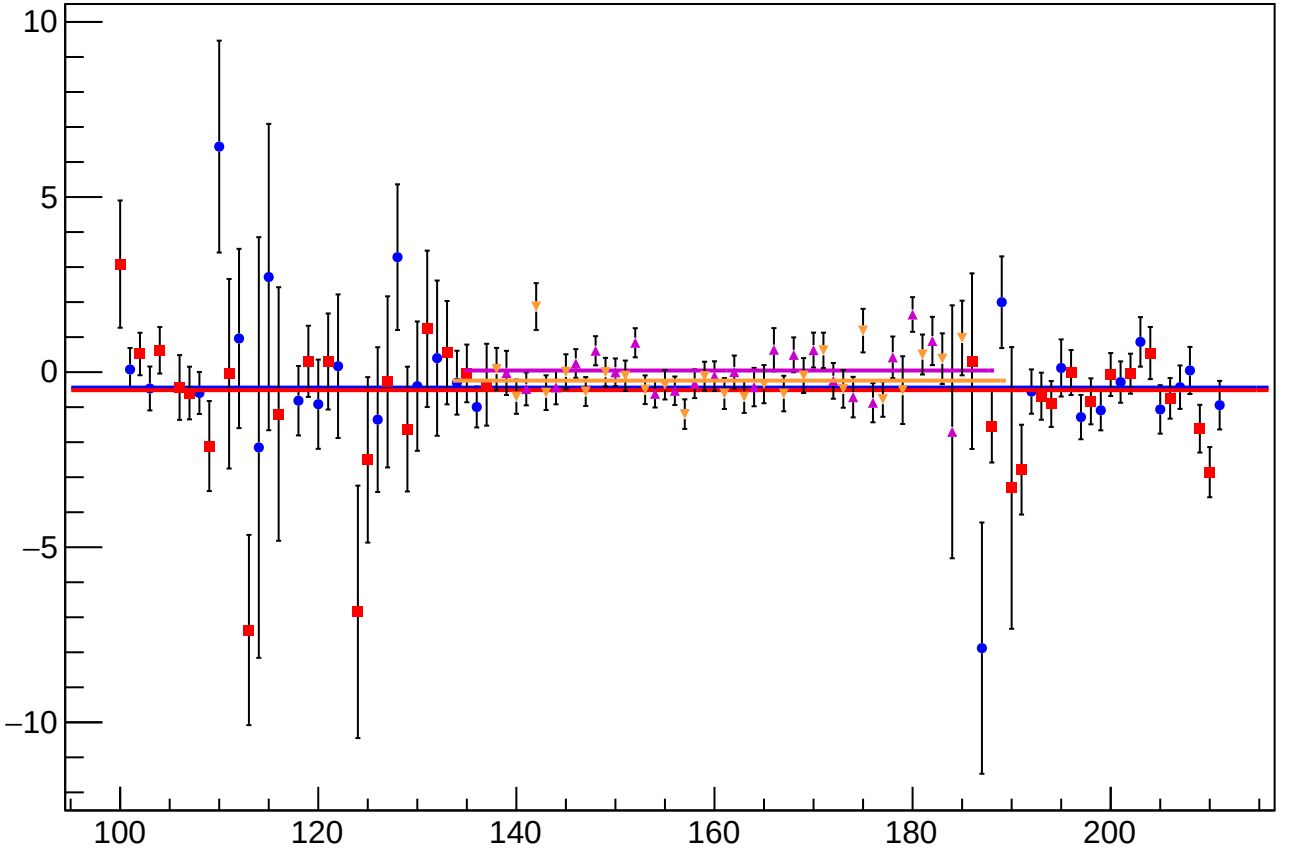
Left In: 8746.106+/-1.454 χ^2/NDF:331167.0/22

+ sign 10021.024+/-1.267 χ^2/NDF: 8931000.4/52

All: 10178.092+/-0.911 χ^2/NDF: 19150952.4/

- sign 10345.904+/-1.310 χ^2/NDF: 10188162.3/55

diff_bpm_4aX_4ecX_dd_mean vs Slug



Right In: -0.442+/-0.159 χ^2/NDF: 28.4/27

Left Out: -0.242+/-0.100 χ^2/NDF:34.3/24

Right Out: -0.514+/-0.158 χ^2/NDF: 47.1/32

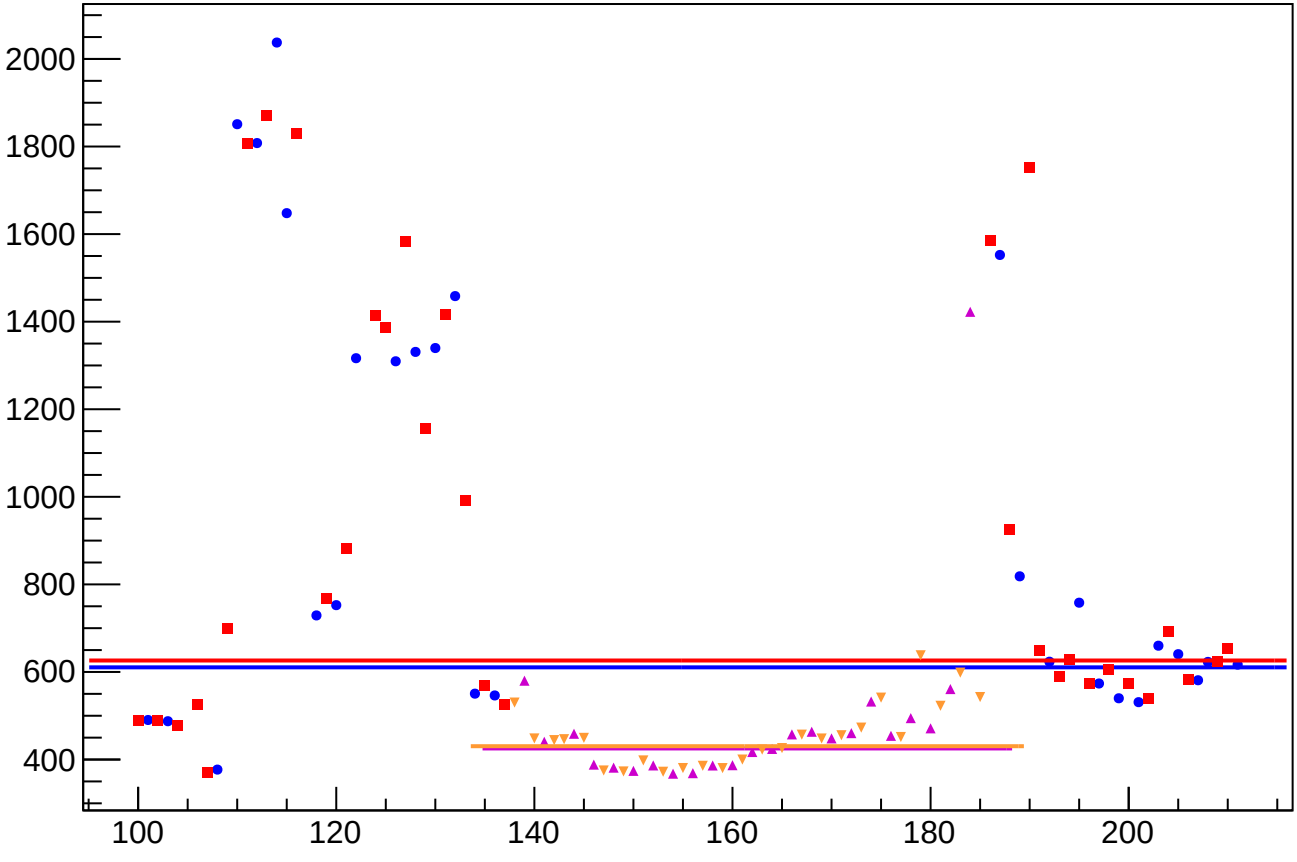
Left In: 0.047+/-0.102 χ^2/NDF:35.1/22

+ sign -0.299+/-0.085 χ^2/NDF: 63.8/52

All: -0.209+/-0.060 χ^2/NDF: 157.2/108

- sign -0.117+/-0.085 χ^2/NDF: 91.1/55

diff_bpm_4aX_4ecX_dd_rms vs Slug



Right In: 610.544+/-0.113 χ^2/NDF: 3199926.9/27

Left Out: 430.437+/-0.071 χ^2/NDF:648114.1/24

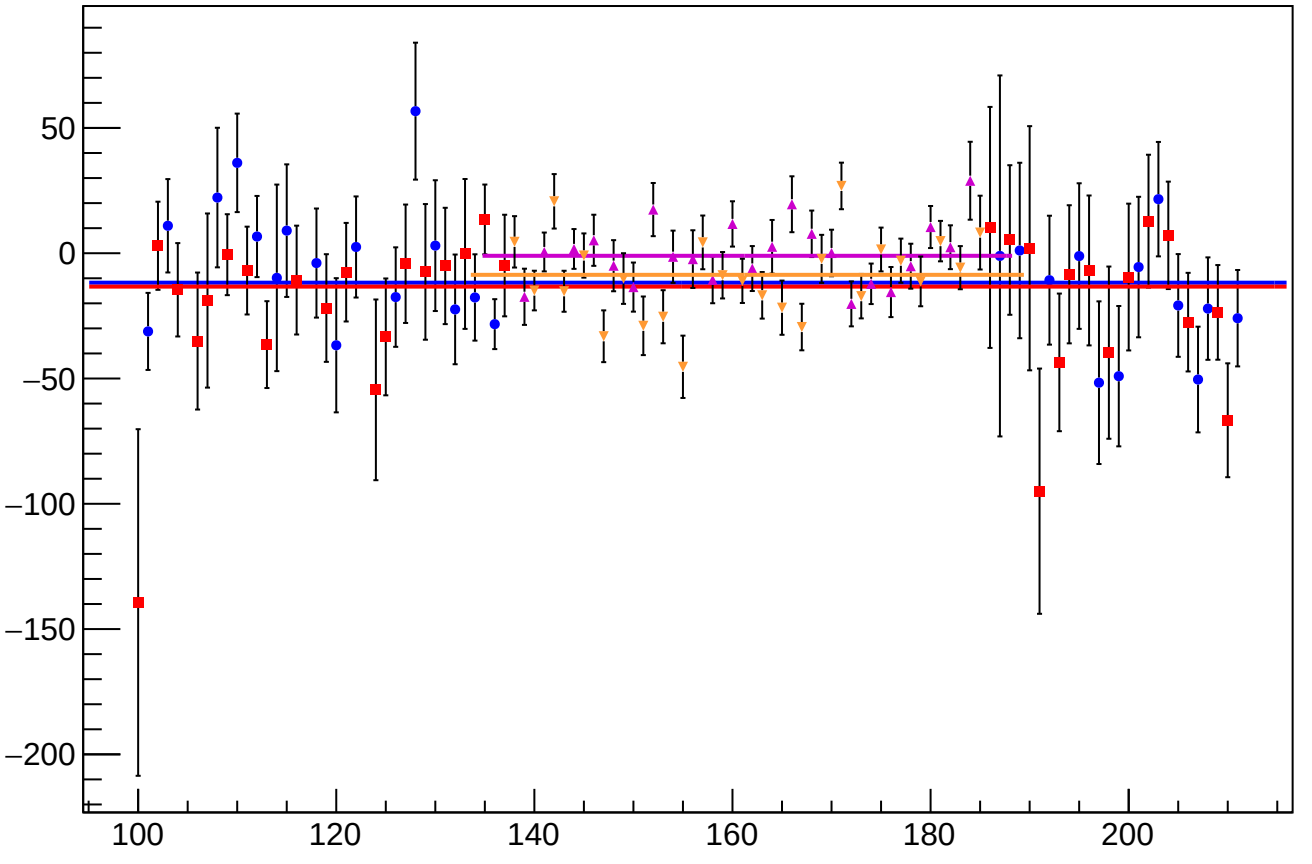
Right Out: 626.179+/-0.112 χ^2/NDF: 3518211.3/32

Left In: 425.312+/-0.072 χ^2/NDF:716953.2/22

+ sign 481.453+/-0.060 χ^2/NDF: 5678009.6/52

All: 482.689+/-0.043 χ^2/NDF: 12196545.3/10

- sign 483.943+/-0.060 χ^2/NDF: 6517680.3/55



Right In: -11.754+/-3.996 χ^2/NDF: 33.8/27

Left Out: -8.623+/-1.913 χ^2/NDF:61.6/24

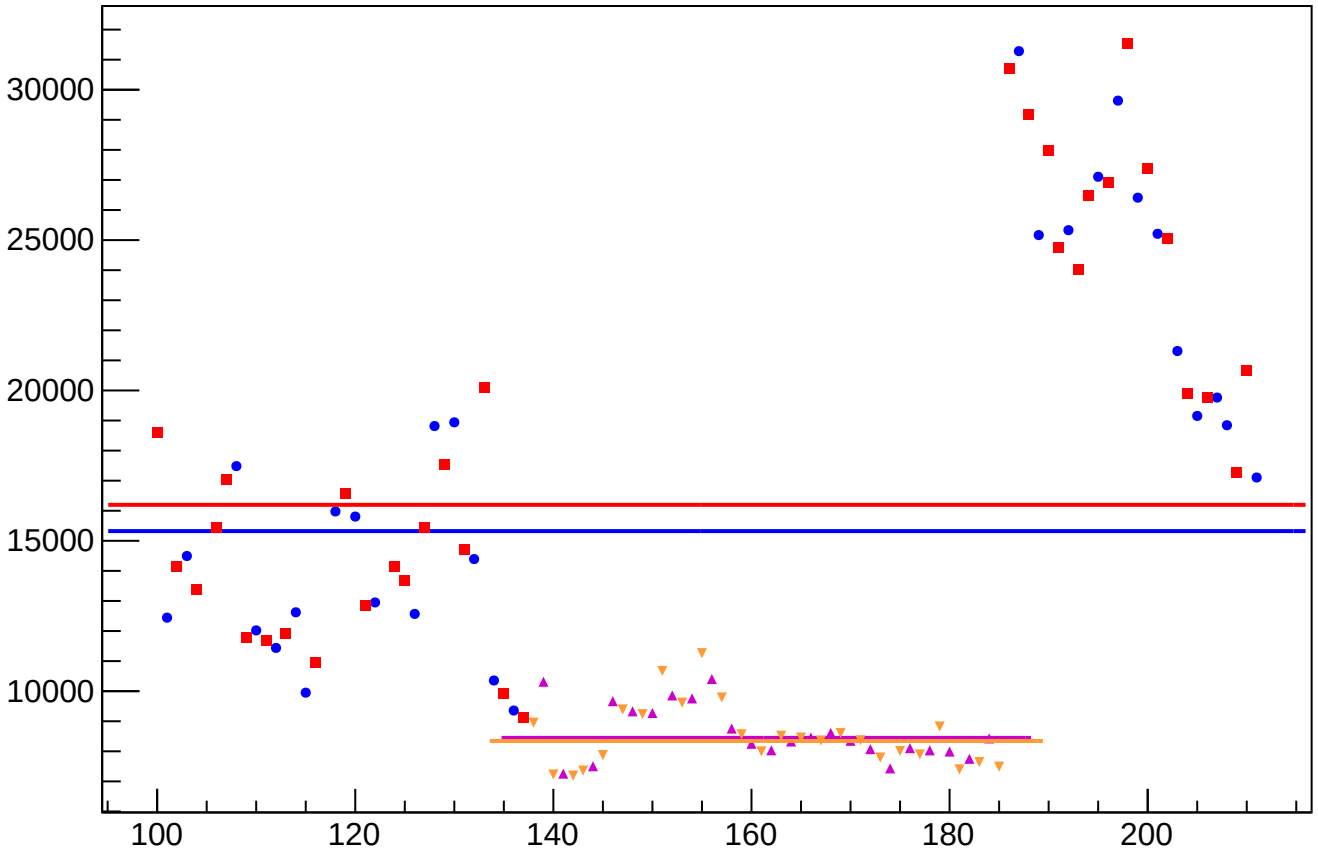
Right Out: -13.324+/-4.043 χ^2/NDF: 27.7/32

Left In: -1.027+/-1.987 χ^2/NDF:29.8/22

+ sign -9.206+/-1.725 χ^2/NDF: 95.9/52

All: -6.408+/-1.240 χ^2/NDF: 166.3/108

- sign -3.419+/-1.783 χ^2/NDF: 64.9/55



Right In: 15323.148+/-2.826 χ^2/NDF: 3589043.5/27

Left Out: 8344.309+/-1.353 χ^2/NDF:469243.6/24

Right Out: 16196.835+/-2.859 χ^2/NDF: 3941630.9/32

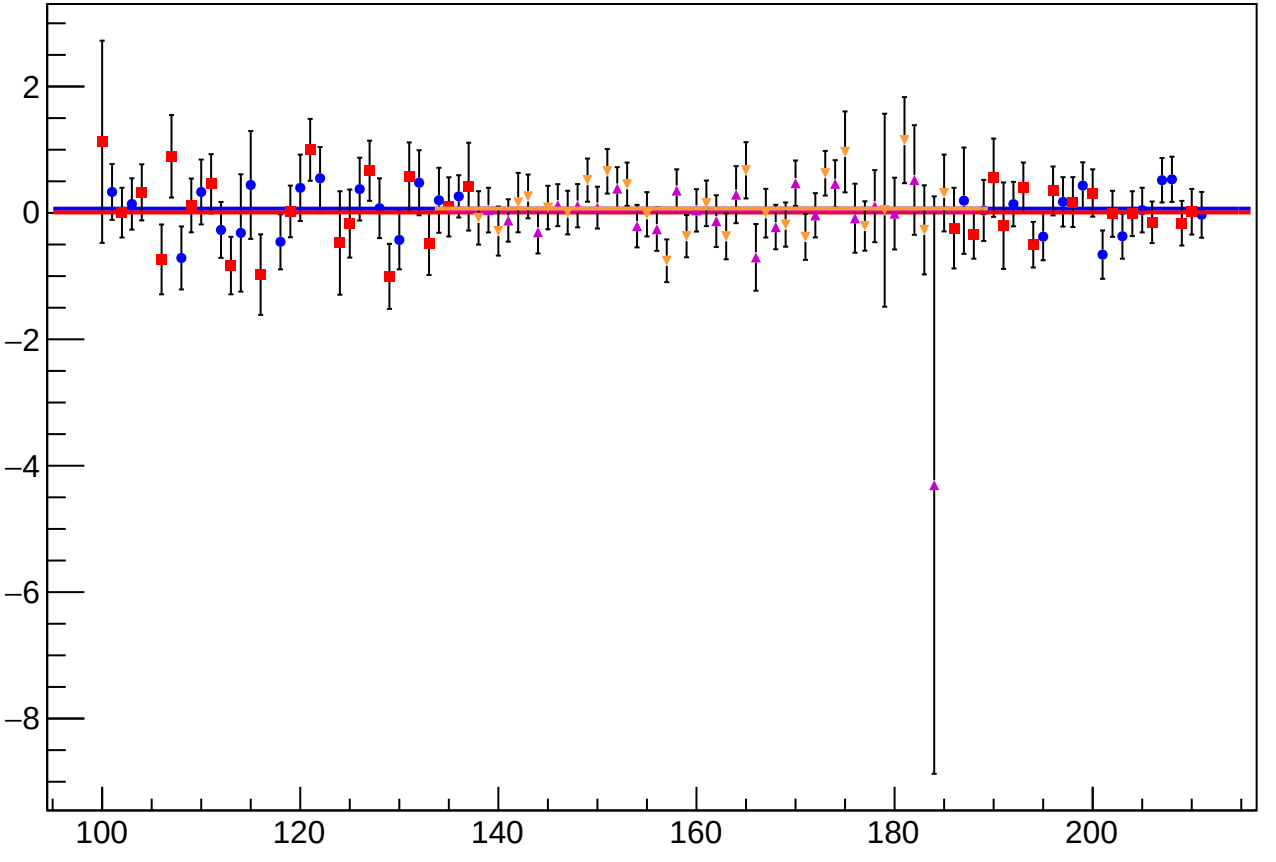
Left In: 8446.686+/-1.405 χ^2/NDF:381901.7/22

+ sign 9645.539+/-1.220 χ^2/NDF: 9021013.6/52

All: 9794.855+/-0.877 χ^2/NDF: 19296426.7/1

- sign 9954.284+/-1.261 χ^2/NDF: 10244445.5/55

diff_bpm_4eX_4ecX_dd_mean vs Slug



Right In: 0.067+/-0.082 χ^2/NDF: 20.4/27

Left Out: 0.069+/-0.079 χ^2/NDF:28.2/24

Right Out: 0.007+/-0.079 χ^2/NDF: 31.3/32

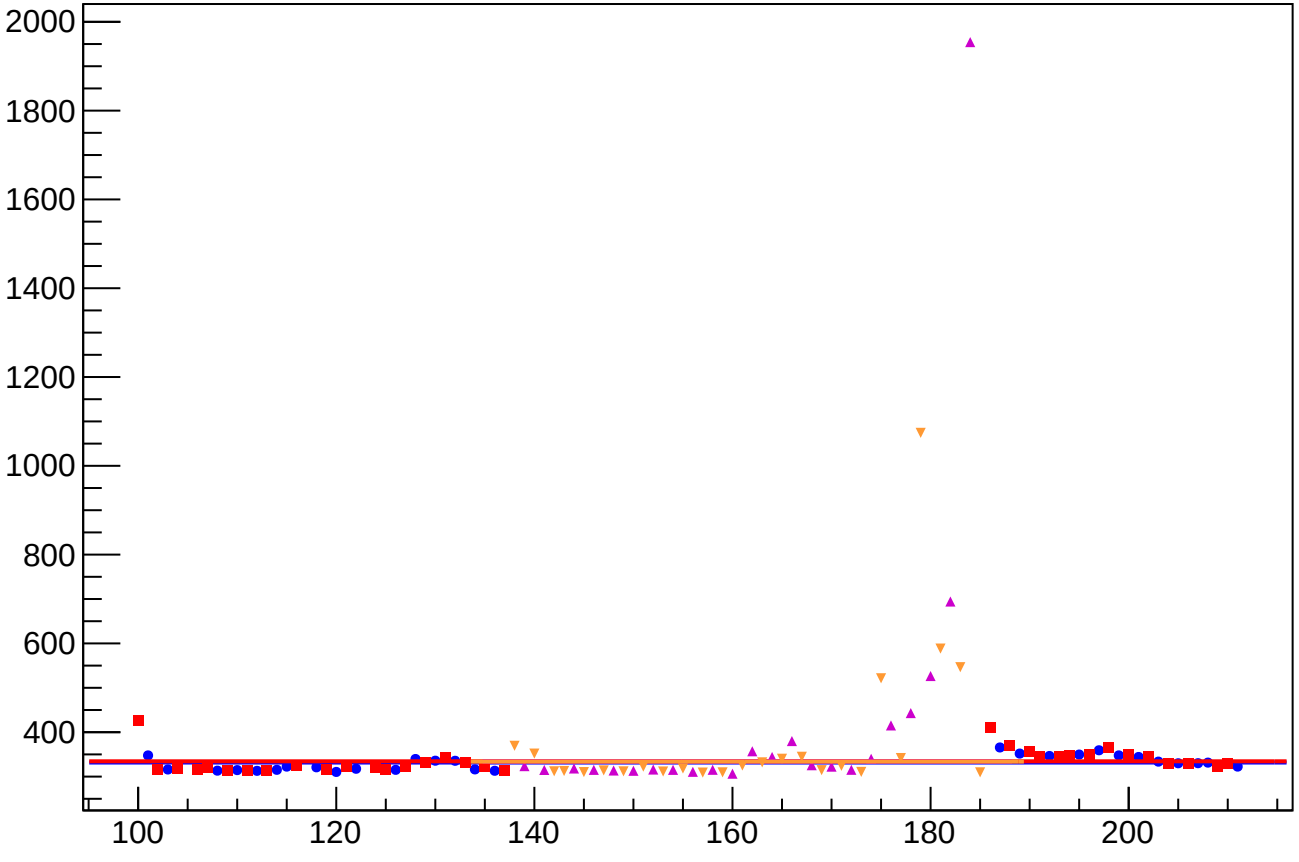
Left In: 0.037+/-0.081 χ^2/NDF:11.7/22

+ sign 0.068+/-0.057 χ^2/NDF: 48.6/52

All: 0.045+/-0.040 χ^2/NDF: 92.0/108

- sign 0.022+/-0.056 χ^2/NDF: 43.1/55

diff_bpm_4eX_4ecX_dd_rms vs Slug



Right In: 331.672+/-0.058 χ^2/NDF: 64196.3/27

Left Out: 333.783+/-0.056 χ^2/NDF:1217257.0/24

Right Out: 334.476+/-0.056 χ^2/NDF: 118789.0/32

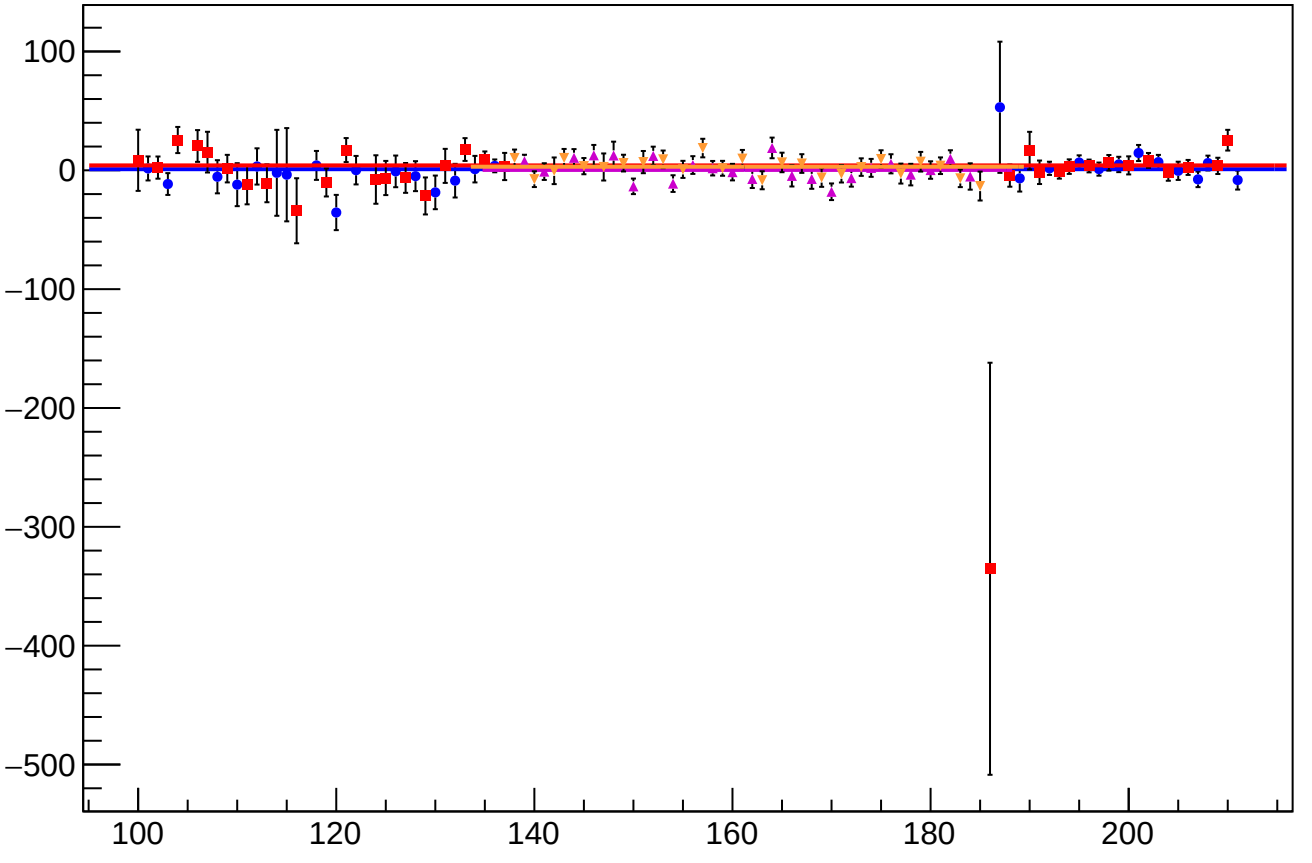
Left In: 333.979+/-0.057 χ^2/NDF:1050984.2/22

+ sign 332.760+/-0.040 χ^2/NDF: 1282144.6/52

All: 333.502+/-0.028 χ^2/NDF: 2452634.8/108

- sign 334.234+/-0.040 χ^2/NDF: 1169812.0/55

diff_bpm_4aY_4acY_avg_mean vs Slug



Right In: 0.941+/-1.637 χ^2/NDF: 23.0/27

Left Out: 3.023+/-1.542 χ^2/NDF:20.3/24

Right Out: 4.144+/-1.595 χ^2/NDF: 33.7/32

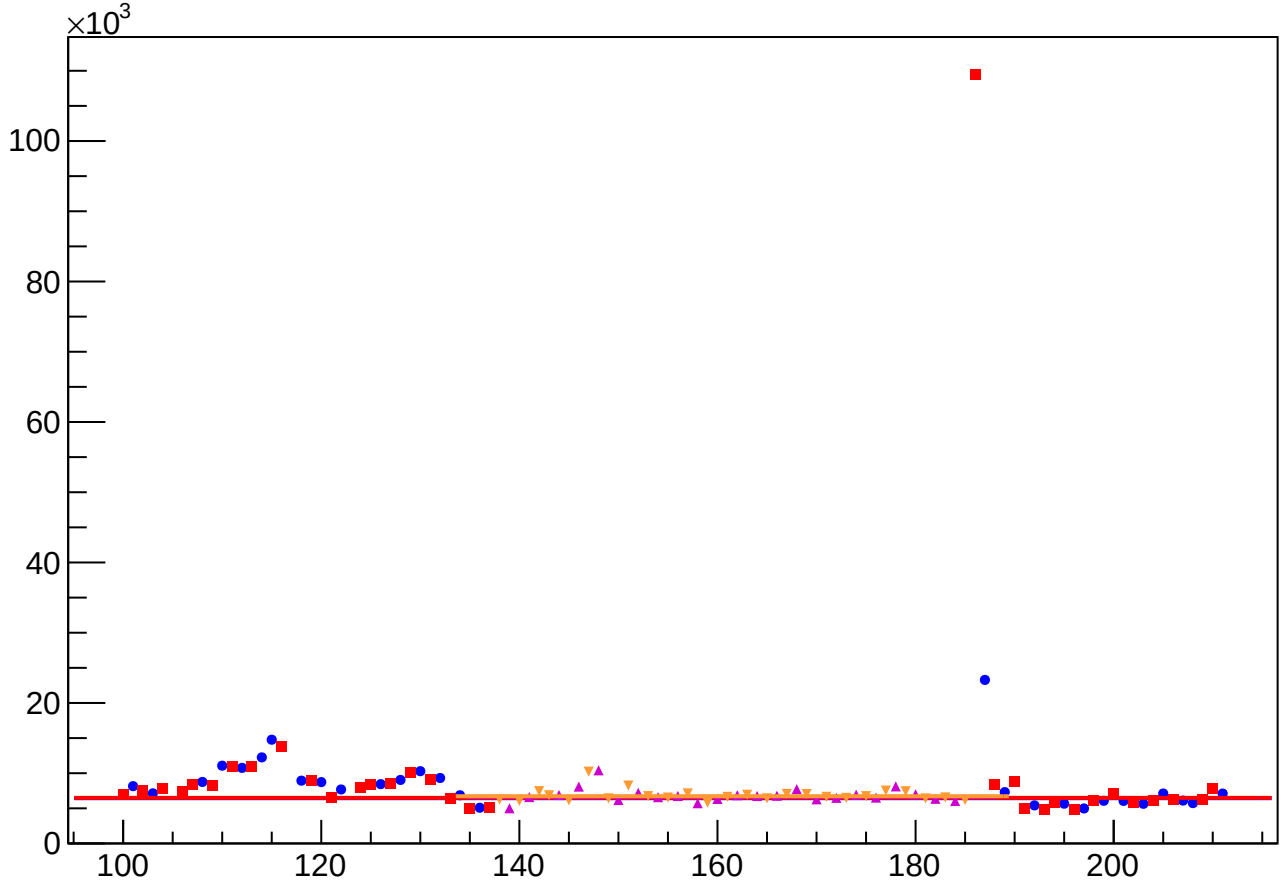
Left In: 0.351+/-1.568 χ^2/NDF:33.8/22

+ sign 2.044+/-1.122 χ^2/NDF: 44.2/52

All: 2.130+/-0.792 χ^2/NDF: 114.5/108

- sign 2.216+/-1.118 χ^2/NDF: 70.3/55

diff_bpm_4aY_4acY_avg_rms vs Slug



Right In: 6443.439+/-1.157 χ^2/NDF: 1745879.5/27

Left Out: 6722.984+/-1.090 χ^2/NDF:403317.7/24

Right Out: 6490.008+/-1.128 χ^2/NDF: 2425674.0/32

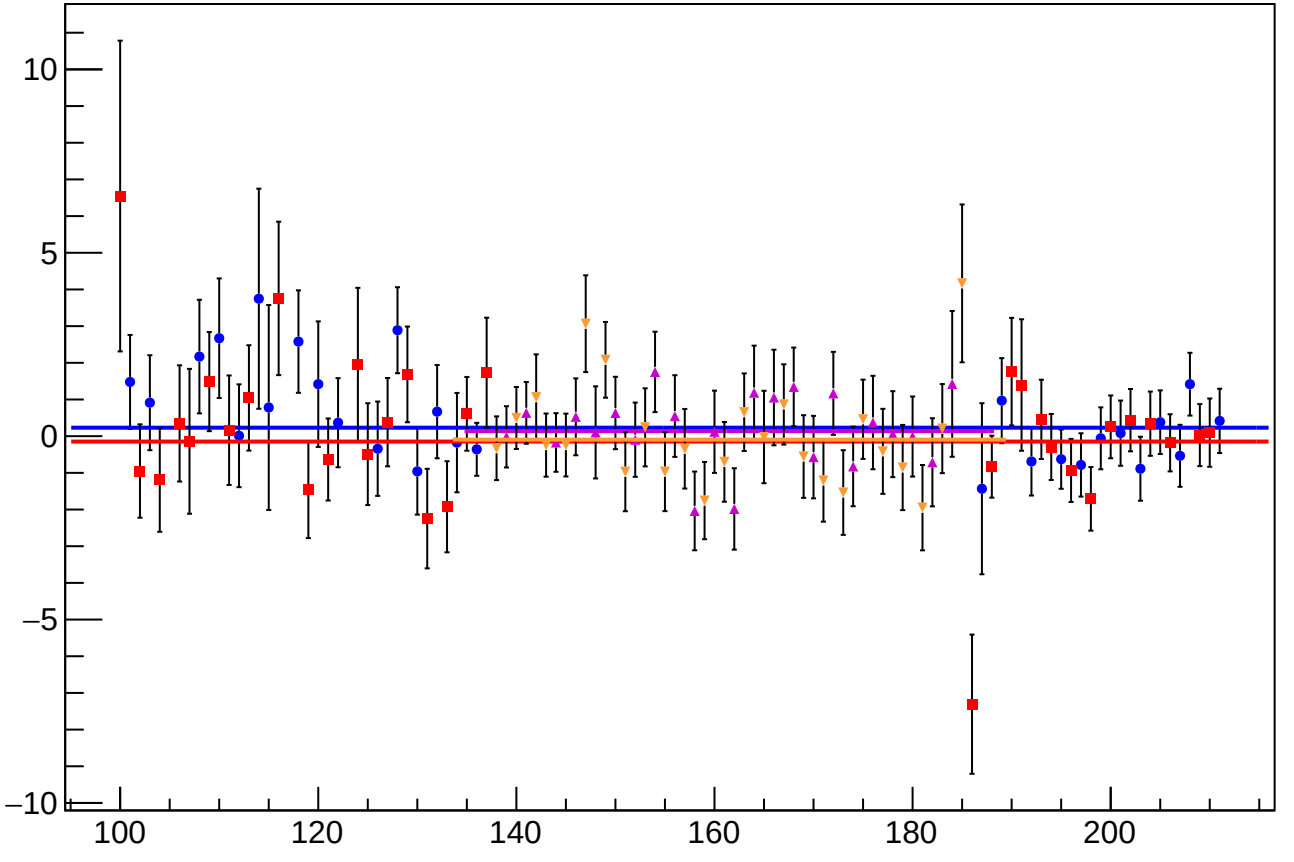
Left In: 6632.723+/-1.109 χ^2/NDF:629490.9/22

+ sign 6591.556+/-0.793 χ^2/NDF: 2180114.9/52

All: 6577.010+/-0.560 χ^2/NDF: 5244091.0/10

- sign 6562.565+/-0.791 χ^2/NDF: 3063306.4/55

diff_bpm_4aY_4acY_dd_mean vs Slug



Right In: 0.231+/-0.205 χ^2/NDF: 26.0/27

Left Out: -0.095+/-0.215 χ^2/NDF:27.3/24

Right Out: -0.147+/-0.200 χ^2/NDF: 43.1/32

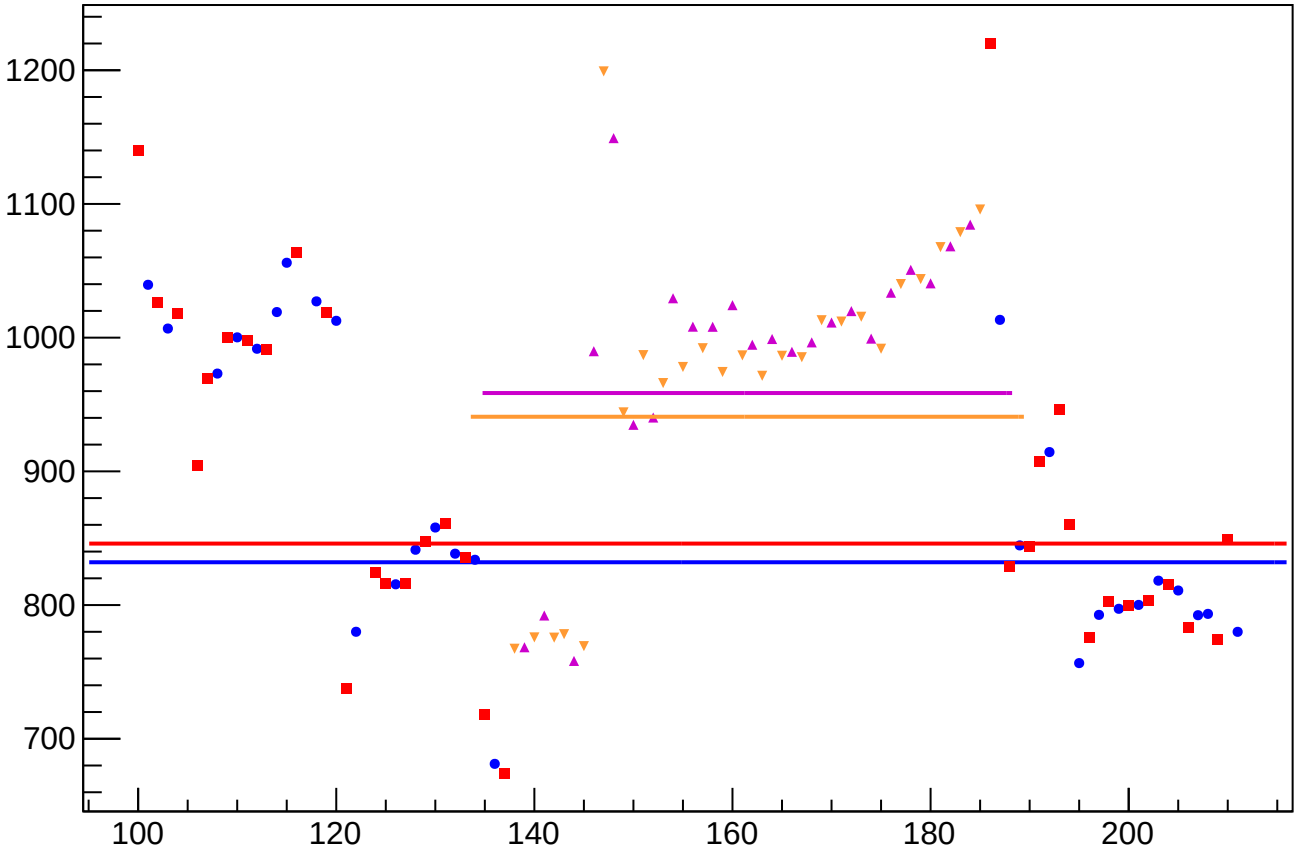
Left In: 0.138+/-0.225 χ^2/NDF:16.5/22

+ sign 0.076+/-0.149 χ^2/NDF: 54.6/52

All: 0.028+/-0.105 χ^2/NDF: 115.2/108

- sign -0.021+/-0.149 χ^2/NDF: 60.4/55

diff_bpm_4aY_4acY_dd_rms vs Slug



Right In: 832.017+/-0.145 χ^2/NDF: 399980.1/27

Left Out: 940.844+/-0.152 χ^2/NDF:568776.0/24

Right Out: 845.979+/-0.141 χ^2/NDF: 450503.9/32

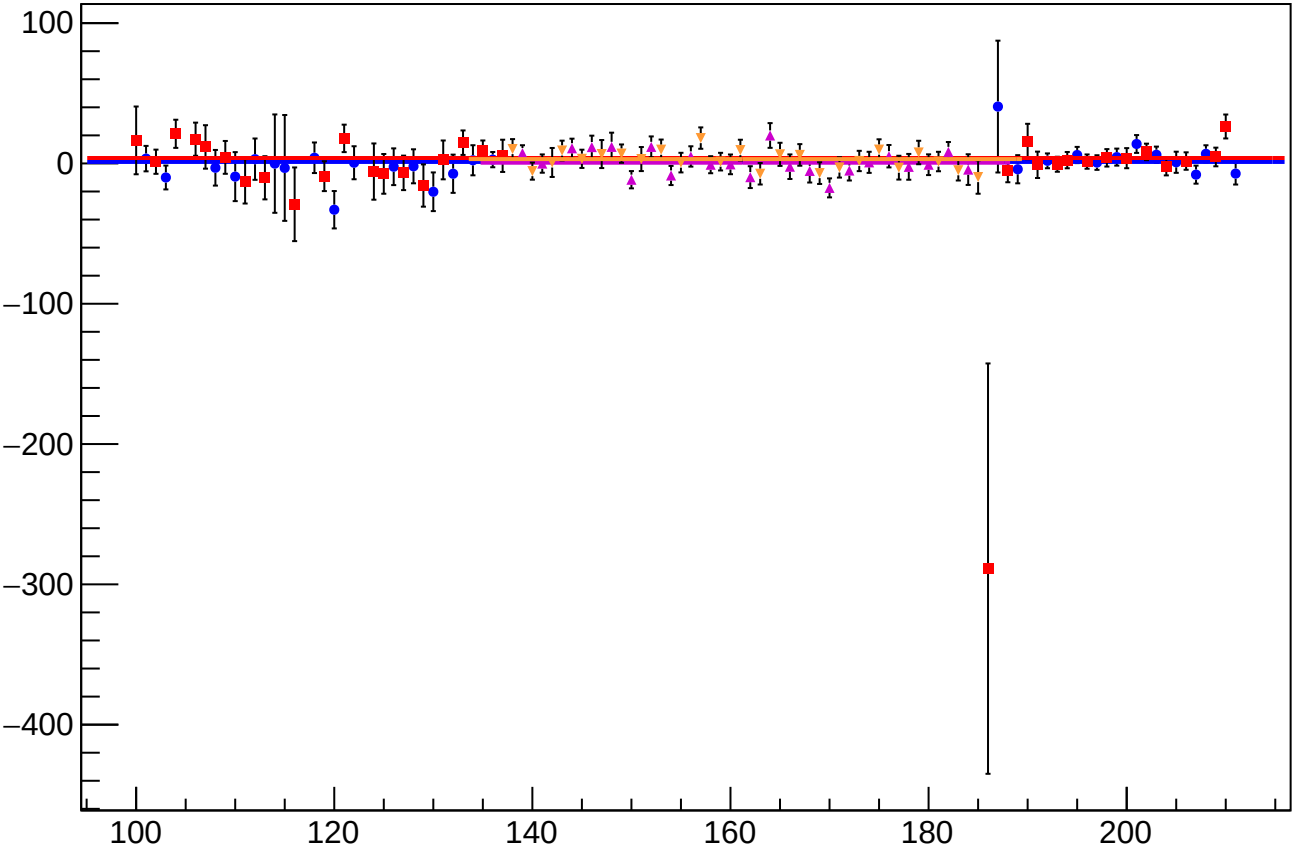
Left In: 958.578+/-0.159 χ^2/NDF:456824.8/22

+ sign 883.795+/-0.105 χ^2/NDF: 1236441.1/52

All: 889.628+/-0.075 χ^2/NDF: 2429566.7/108

- sign 895.535+/-0.106 χ^2/NDF: 1186919.7/55

diff_bpm_4aY_4eY_avg_mean vs Slug



Right In: 1.068+/-1.565 χ^2/NDF: 22.8/27

Left Out: 3.099+/-1.500 χ^2/NDF:18.6/24

Right Out: 3.879+/-1.517 χ^2/NDF: 33.3/32

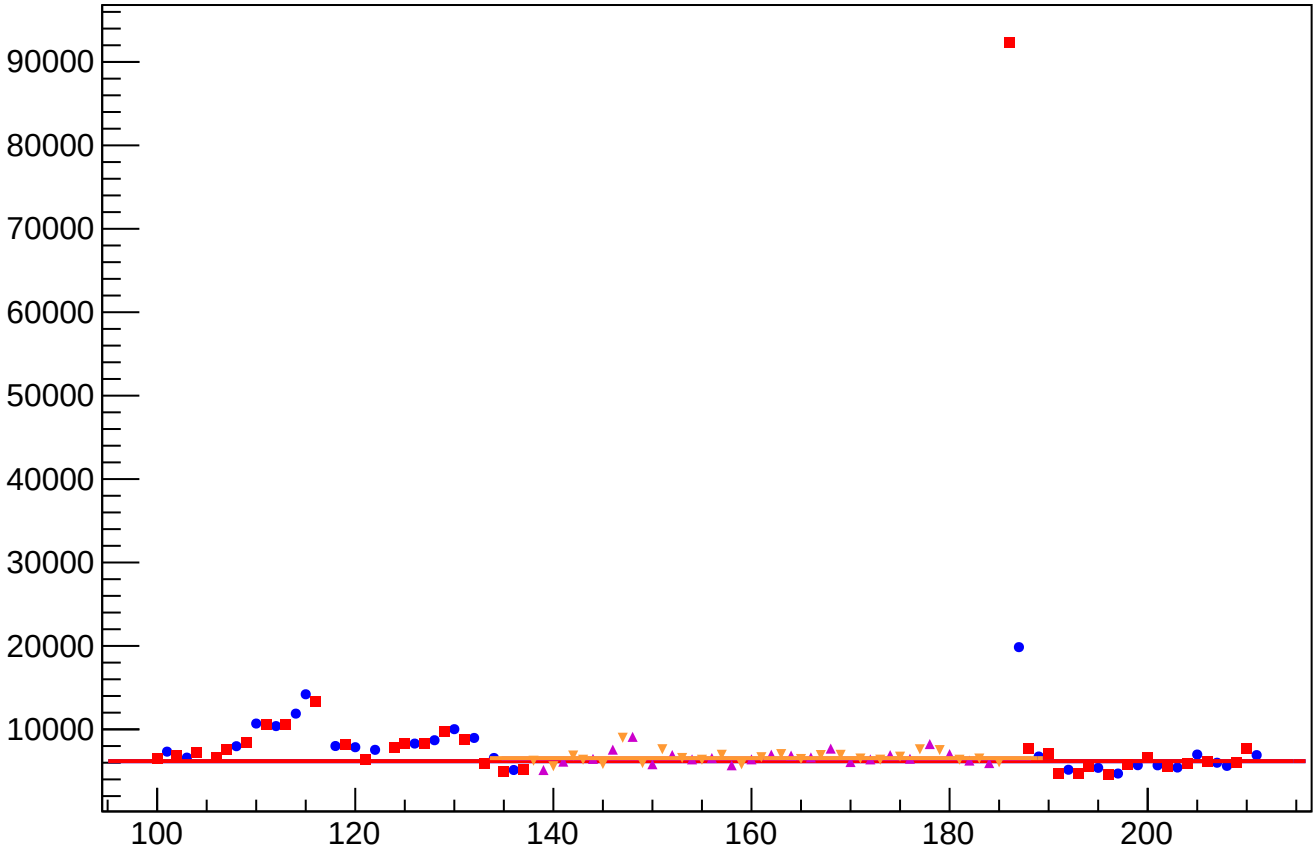
Left In: 0.519+/-1.535 χ^2/NDF:32.0/22

\+ sign 2.127+/-1.083 χ^2/NDF: 42.2/52

All: 2.173+/-0.764 χ^2/NDF: 109.9/108

\- sign 2.218+/-1.079 χ^2/NDF: 67.7/55

diff_bpm_4aY_4eY_avg_rms vs Slug



Right In: 6177.731+/-1.107 χ^2/NDF: 1653886.3/27

Left Out: 6548.897+/-1.061 χ^2/NDF:366072.4/24

Right Out: 6191.082+/-1.073 χ^2/NDF: 2362373.2/32

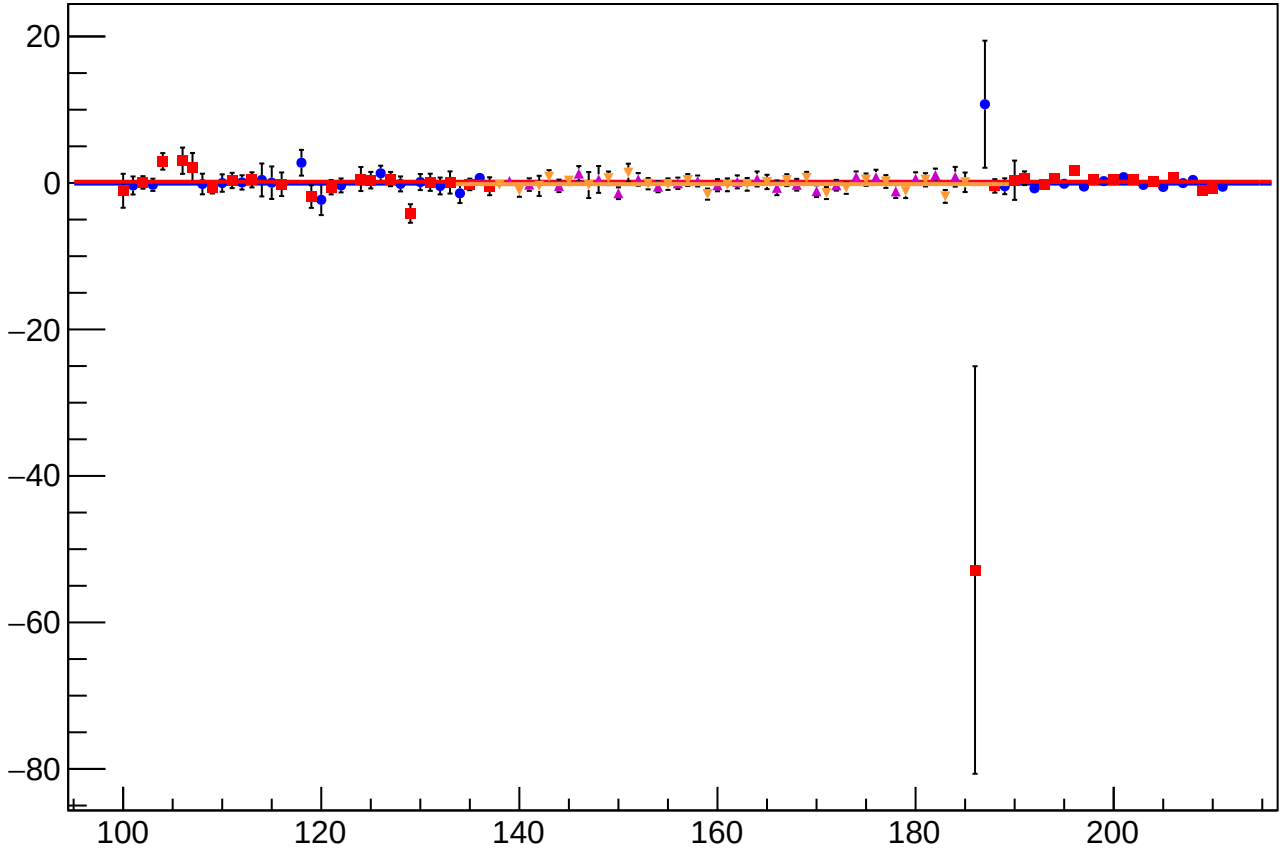
Left In: 6505.057+/-1.085 χ^2/NDF:515496.8/22

+ sign 6371.211+/-0.766 χ^2/NDF: 2078564.2/52

All: 6358.701+/-0.541 χ^2/NDF: 4999288.2/10

- sign 6346.284+/-0.763 χ^2/NDF: 2920192.5/55

diff_bpm_4aY_4eY_dd_mean vs Slug



Right In: -0.089+/-0.137 χ^2/NDF: 17.7/27

Left Out: -0.162+/-0.172 χ^2/NDF:19.0/24

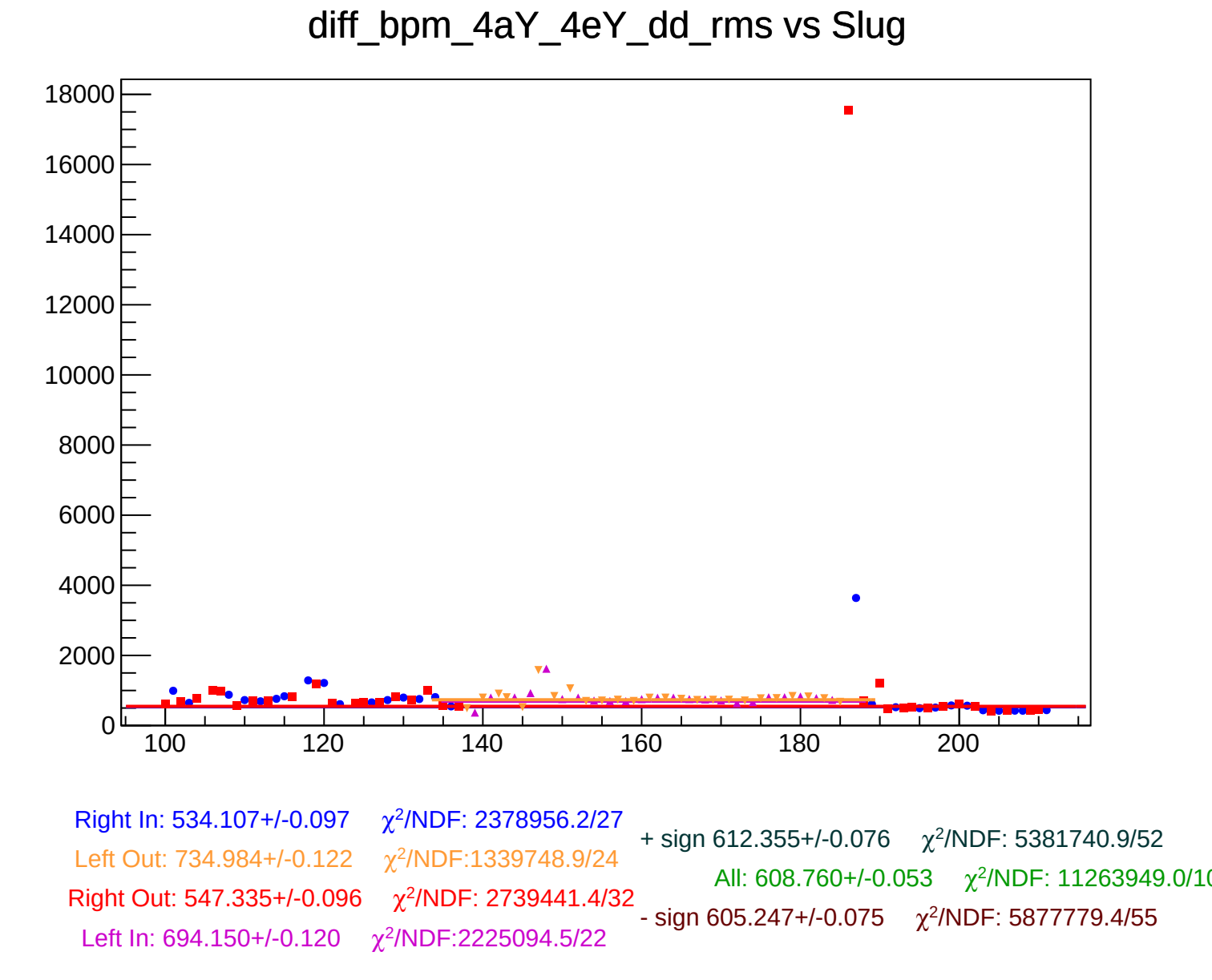
Right Out: 0.164+/-0.136 χ^2/NDF: 50.1/32

Left In: 0.017+/-0.169 χ^2/NDF:15.2/22

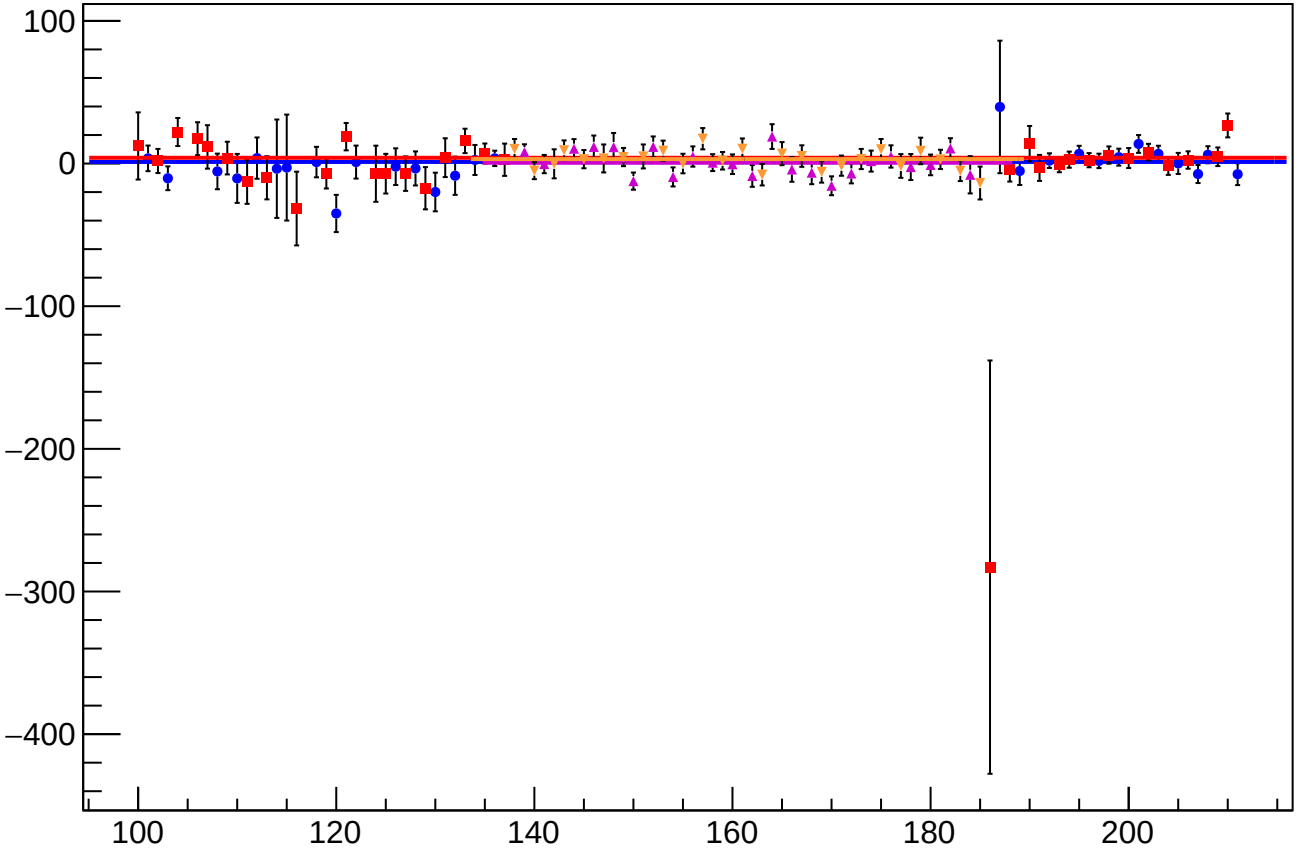
+ sign -0.117+/-0.107 χ^2/NDF: 36.8/52

All: -0.004+/-0.076 χ^2/NDF: 104.7/108

- sign 0.106+/-0.106 χ^2/NDF: 65.8/55


diff_bpm_4aY_4eY_dd_rms vs Slug
18000
16000
14000
12000
10000
8000
6000
4000
2000
0
100
120
140
160
180
200
Right In: 534.107+/-0.097 χ²/NDF: 2378956.2/27
Left Out: 734.984+/-0.122 χ²/NDF:1339748.9/24
Right Out: 547.335+/-0.096 χ²/NDF: 2739441.4/32
Left In: 694.150+/-0.120 χ²/NDF:2225094.5/22
+ sign 612.355+/-0.076 χ²/NDF: 5381740.9/52
All: 608.760+/-0.053 χ²/NDF: 11263949.0/10
- sign 605.247+/-0.075 χ²/NDF: 5877779.4/55

diff_bpm_4aY_4ecY_avg_mean vs Slug



Right In: 1.139+/-1.535 χ^2/NDF: 25.1/27

Left Out: 3.111+/-1.476 χ^2/NDF:18.7/24

Right Out: 4.047+/-1.487 χ^2/NDF: 34.7/32

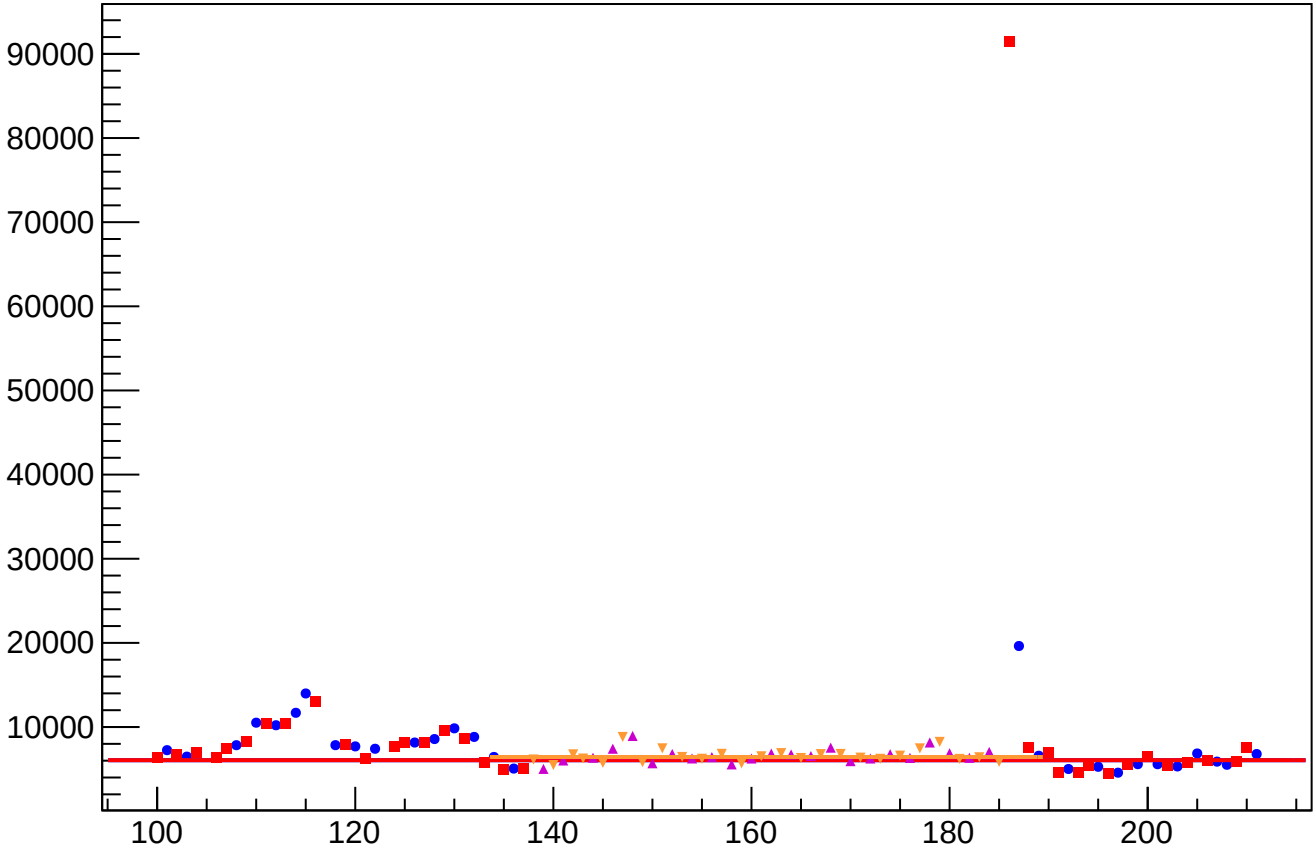
Left In: 0.550+/-1.512 χ^2/NDF:33.6/22

+ sign 2.164+/-1.064 χ^2/NDF: 44.7/52

All: 2.246+/-0.751 χ^2/NDF: 115.7/108

- sign 2.328+/-1.060 χ^2/NDF: 71.0/55

diff_bpm_4aY_4ecY_avg_rms vs Slug



Right In: 6052.957+/-1.085 χ^2/NDF: 1682237.1/27

Left Out: 6435.363+/-1.044 χ^2/NDF:417318.3/24

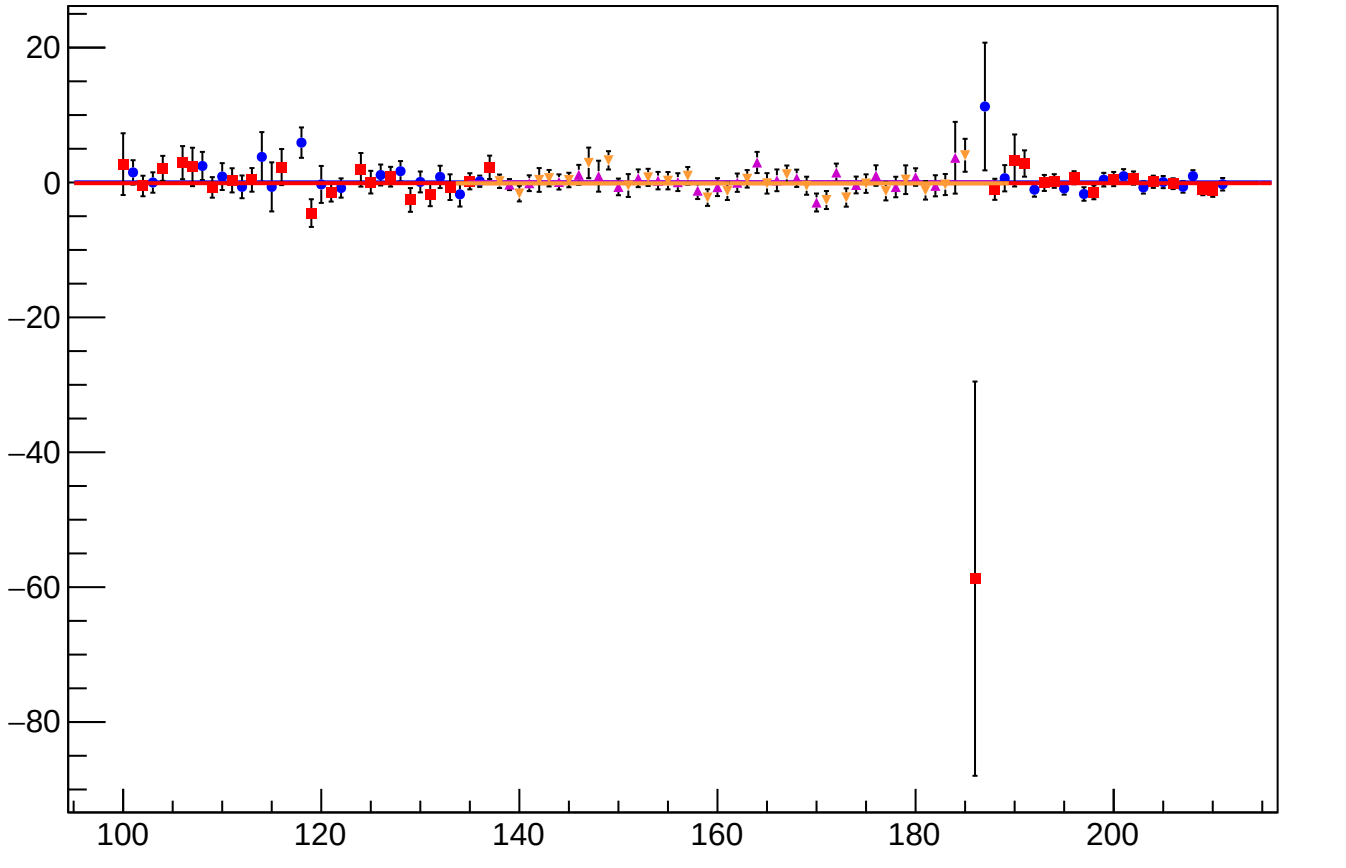
Right Out: 6061.550+/-1.051 χ^2/NDF: 2384913.4/32

Left In: 6405.229+/-1.069 χ^2/NDF:525079.4/22

+ sign 6251.629+/-0.752 χ^2/NDF: 2164037.7/52

All: 6241.011+/-0.531 χ^2/NDF: 5126941.7/10

- sign 6230.467+/-0.750 χ^2/NDF: 2962507.1/55



Right In: 0.022+/-0.240 χ^2/NDF: 23.5/27

Left Out: -0.122+/-0.273 χ^2/NDF:27.0/24

Right Out: -0.105+/-0.240 χ^2/NDF: 29.9/32

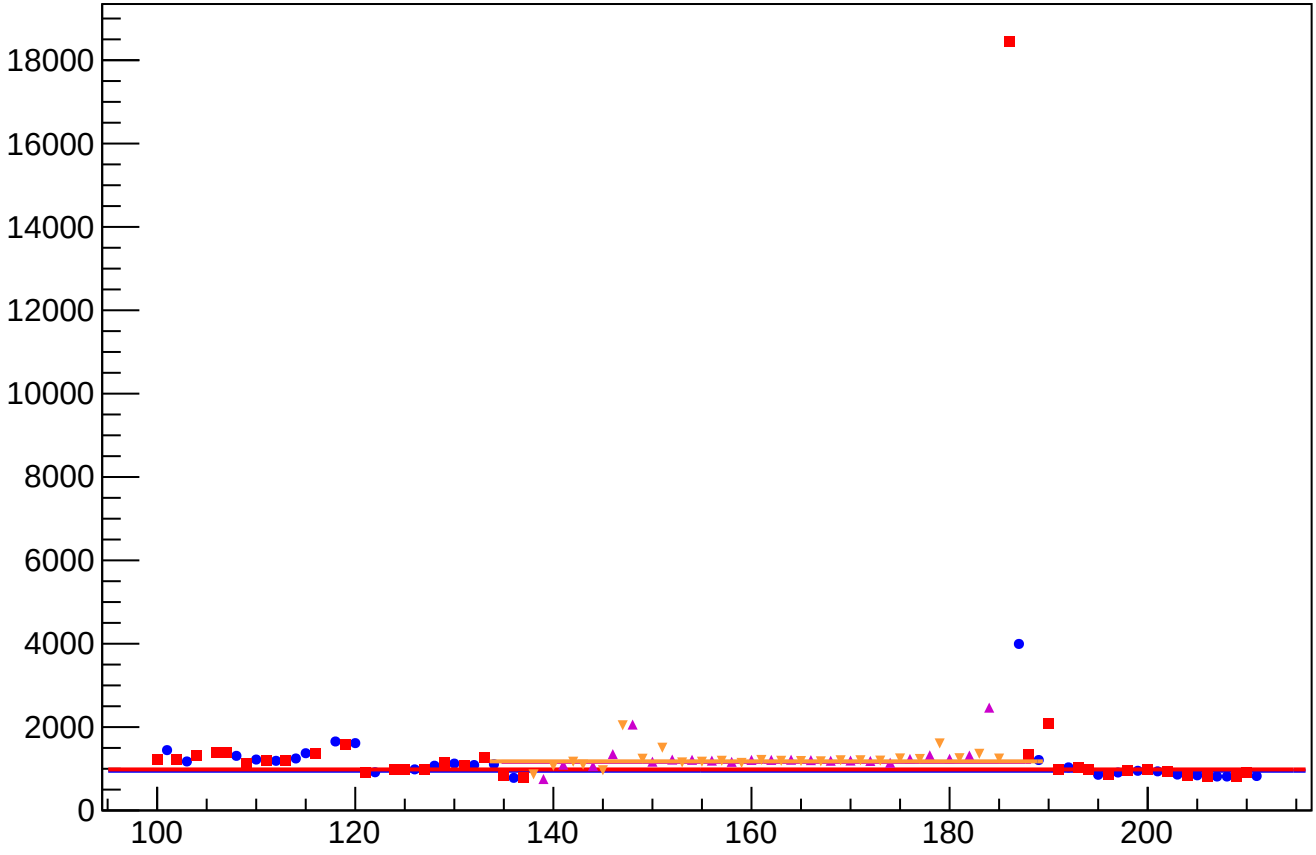
Left In: 0.029+/-0.279 χ^2/NDF:14.4/22

+ sign -0.041+/-0.180 χ^2/NDF: 50.6/52

All: -0.044+/-0.128 χ^2/NDF: 95.1/108

- sign -0.048+/-0.182 χ^2/NDF: 44.5/55

diff_bpm_4aY_4ecY_dd_rms vs Slug



Right In: 952.114+/-0.170 χ^2/NDF: 1296778.9/27

Left Out: 1177.742+/-0.193 χ^2/NDF:800899.0/24

Right Out: 984.081+/-0.169 χ^2/NDF: 1892810.2/32

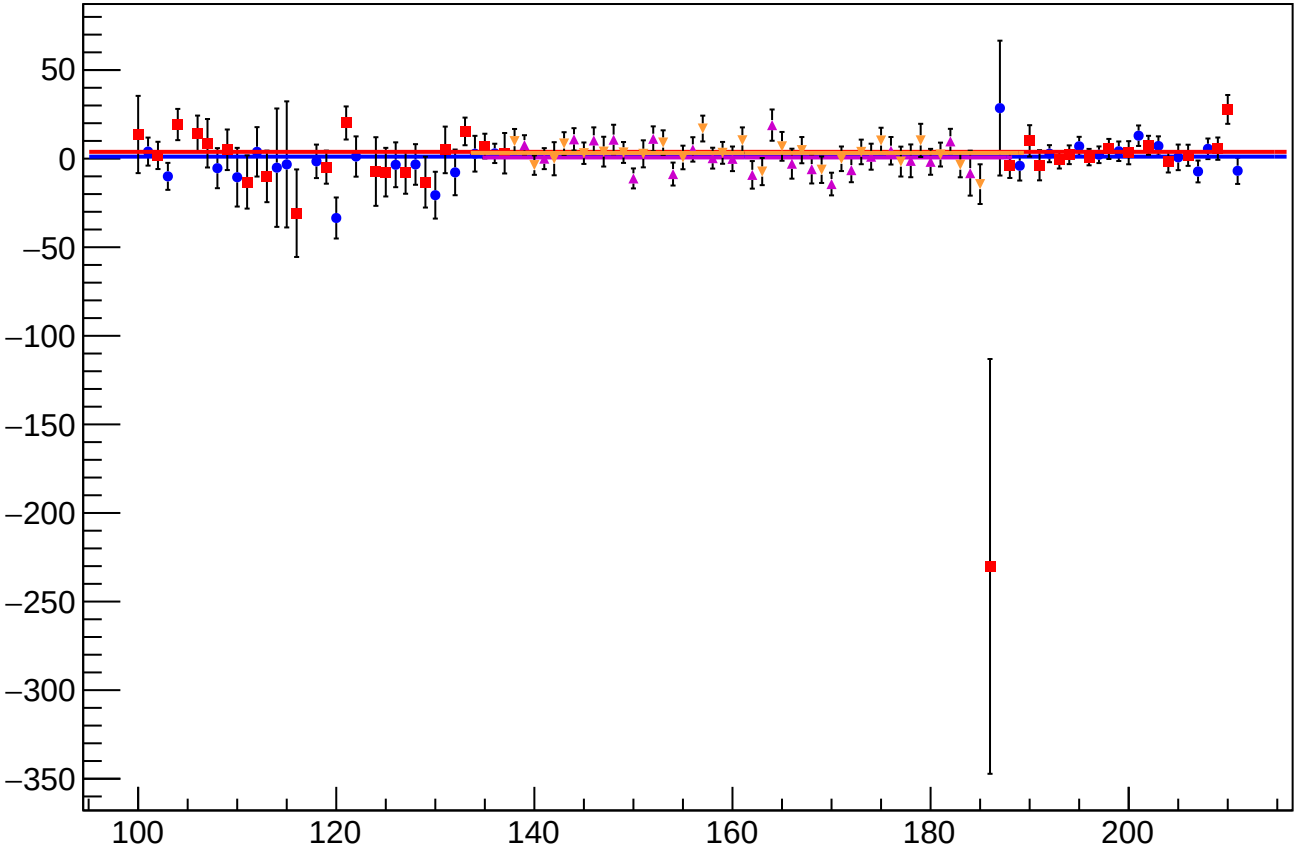
Left In: 1163.827+/-0.197 χ^2/NDF:1052206.0/22

+ sign 1050.239+/-0.127 χ^2/NDF: 2867559.6/52

All: 1055.348+/-0.090 χ^2/NDF: 6294287.7/10

- sign 1060.536+/-0.128 χ^2/NDF: 3423491.2/55

diff_bpm_4eY_4ecY_avg_mean vs Slug



Right In: 1.130+/-1.450 χ^2/NDF: 27.4/27

Left Out: 3.234+/-1.430 χ^2/NDF:17.9/24

Right Out: 3.837+/-1.393 χ^2/NDF: 36.5/32

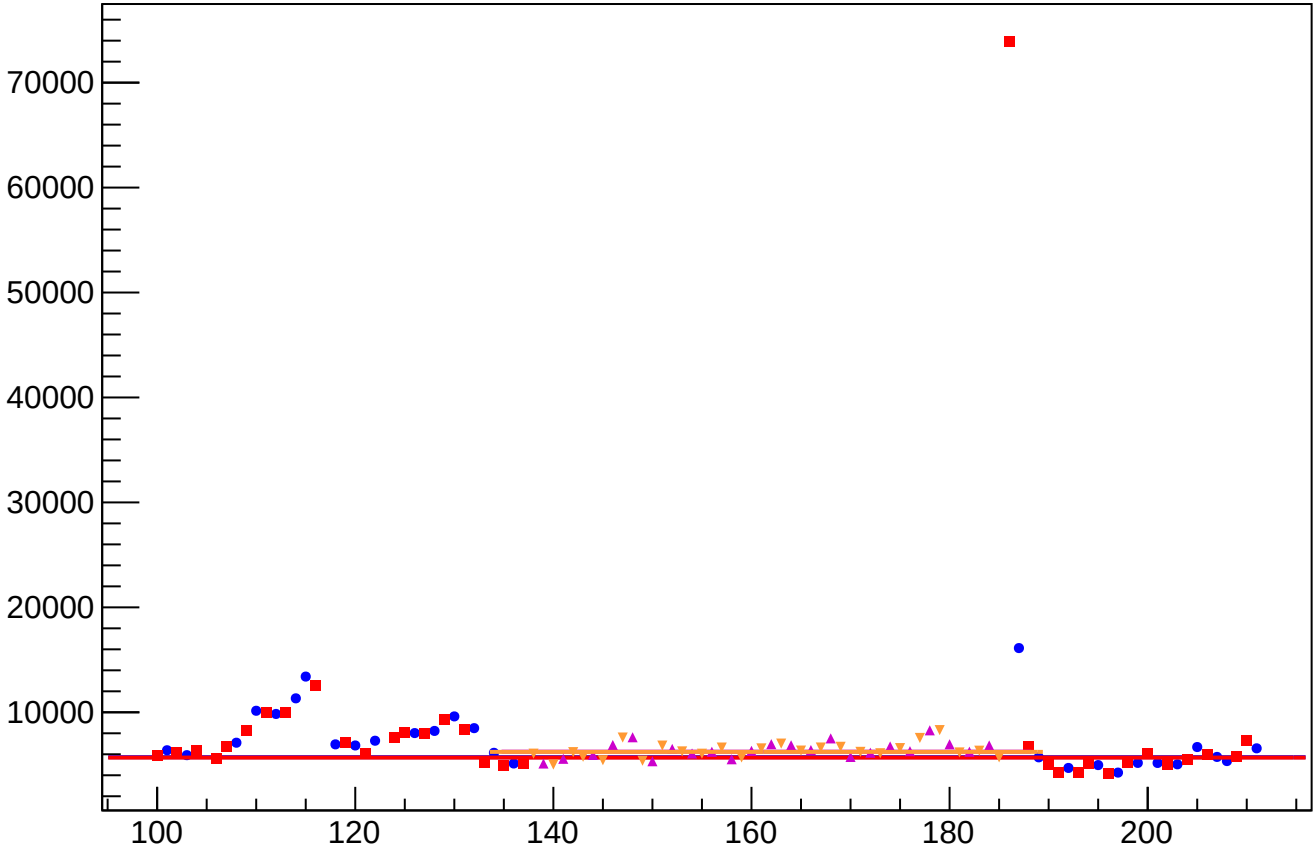
Left In: 0.667+/-1.474 χ^2/NDF:32.4/22

\+ sign 2.197+/-1.018 χ^2/NDF: 46.3/52

All: 2.269+/-0.718 χ^2/NDF: 117.7/108

\- sign 2.341+/-1.012 χ^2/NDF: 71.3/55

diff_bpm_4eY_4ecY_avg_rms vs Slug



Right In: 5722.365+/-1.025 χ^2/NDF: 1669180.5/27

Left Out: 6228.654+/-1.011 χ^2/NDF:470851.7/24

Right Out: 5684.456+/-0.985 χ^2/NDF: 2425846.4/32

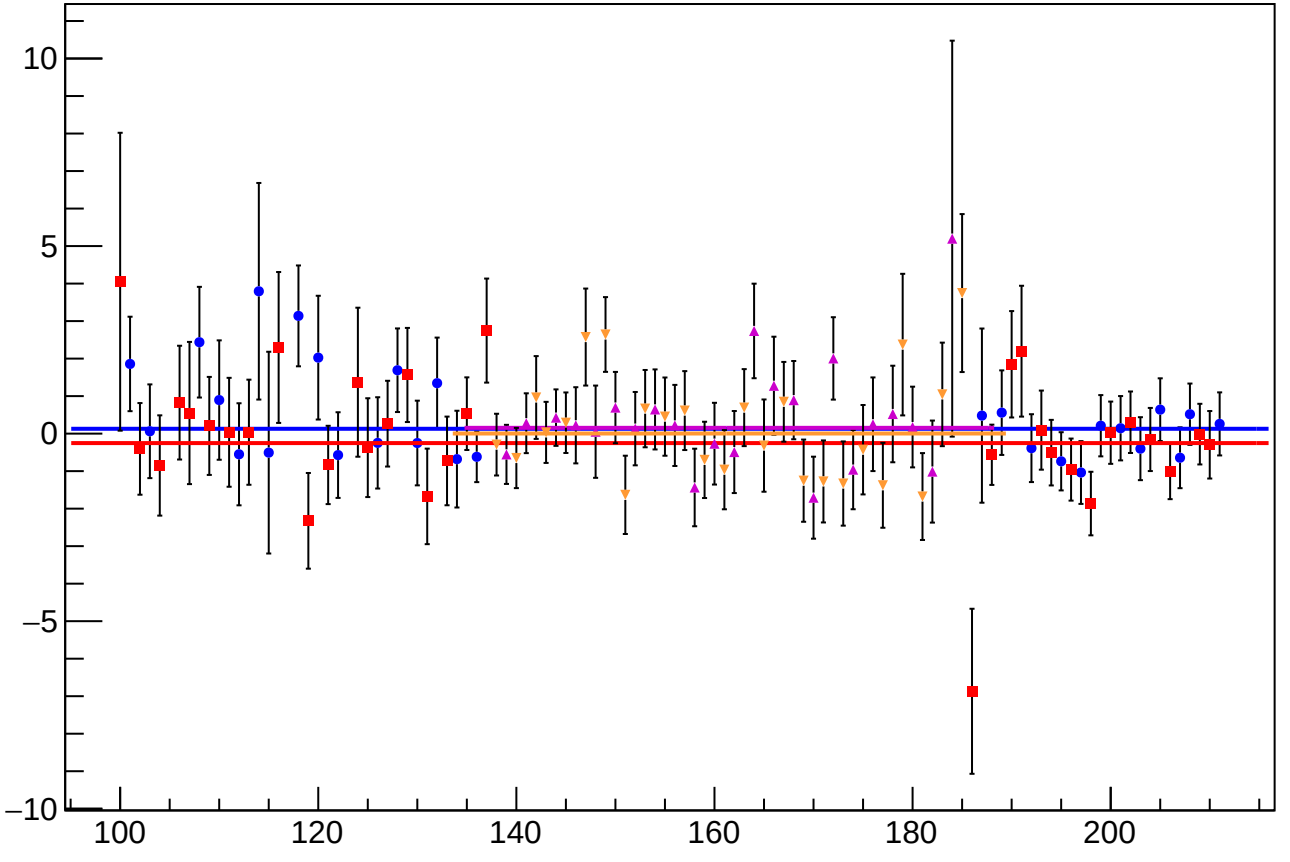
Left In: 6246.800+/-1.042 χ^2/NDF:484982.9/22

+ sign 5979.116+/-0.720 χ^2/NDF: 2263667.4/52

All: 5964.415+/-0.508 χ^2/NDF: 5329095.1/10

- sign 5949.875+/-0.716 χ^2/NDF: 3064598.2/55

diff_bpm_4eY_4ecY_dd_mean vs Slug



Right In: 0.129+/-0.197 χ^2/NDF: 23.6/27

Left Out: 0.003+/-0.212 χ^2/NDF:31.6/24

Right Out: -0.252+/-0.192 χ^2/NDF: 36.1/32

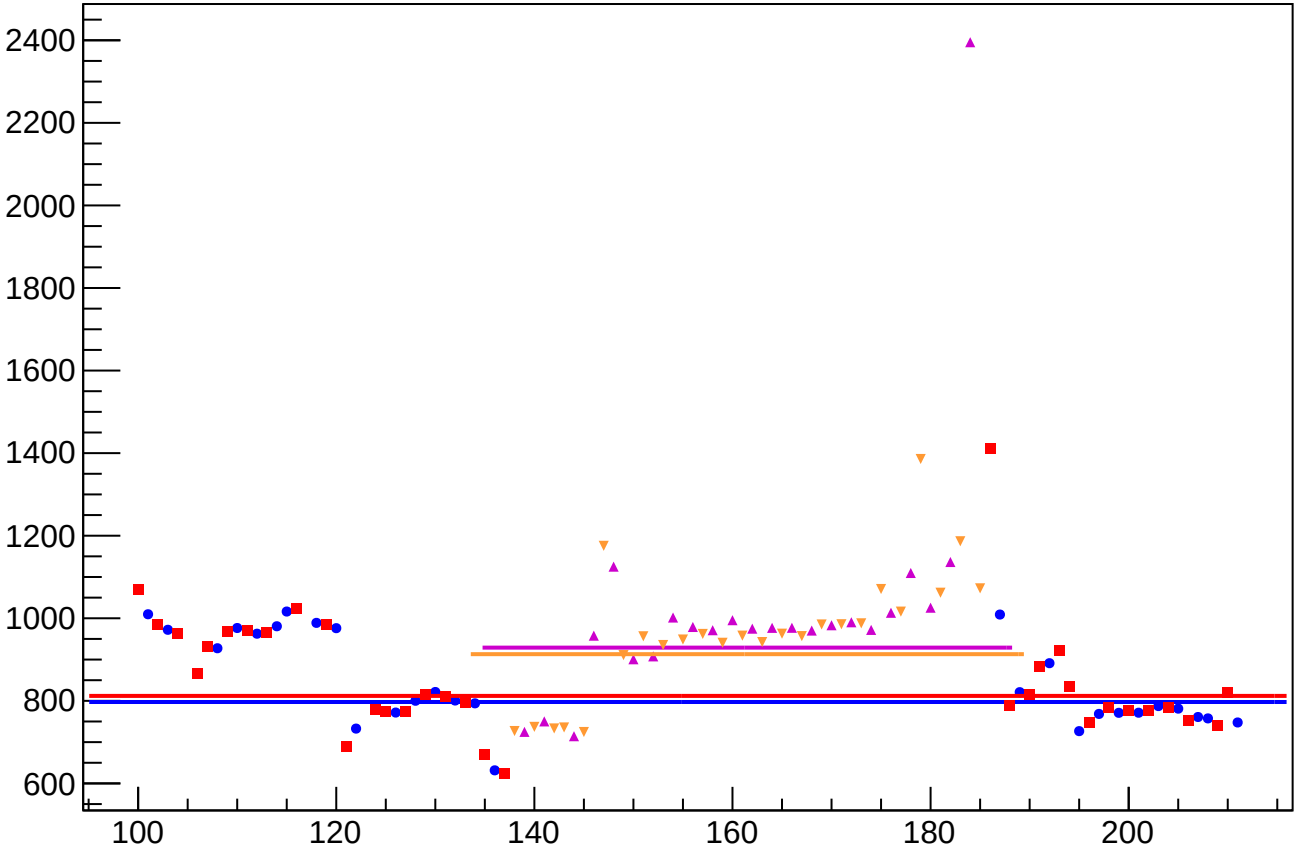
Left In: 0.154+/-0.221 χ^2/NDF:18.4/22

+ sign 0.071+/-0.144 χ^2/NDF: 55.4/52

All: -0.003+/-0.102 χ^2/NDF: 112.4/108

- sign -0.077+/-0.145 χ^2/NDF: 56.5/55

diff_bpm_4eY_4ecY_dd_rms vs Slug



Right In: 797.204+/-0.139 χ^2/NDF: 459475.4/27

Left Out: 913.070+/-0.150 χ^2/NDF:889200.0/24

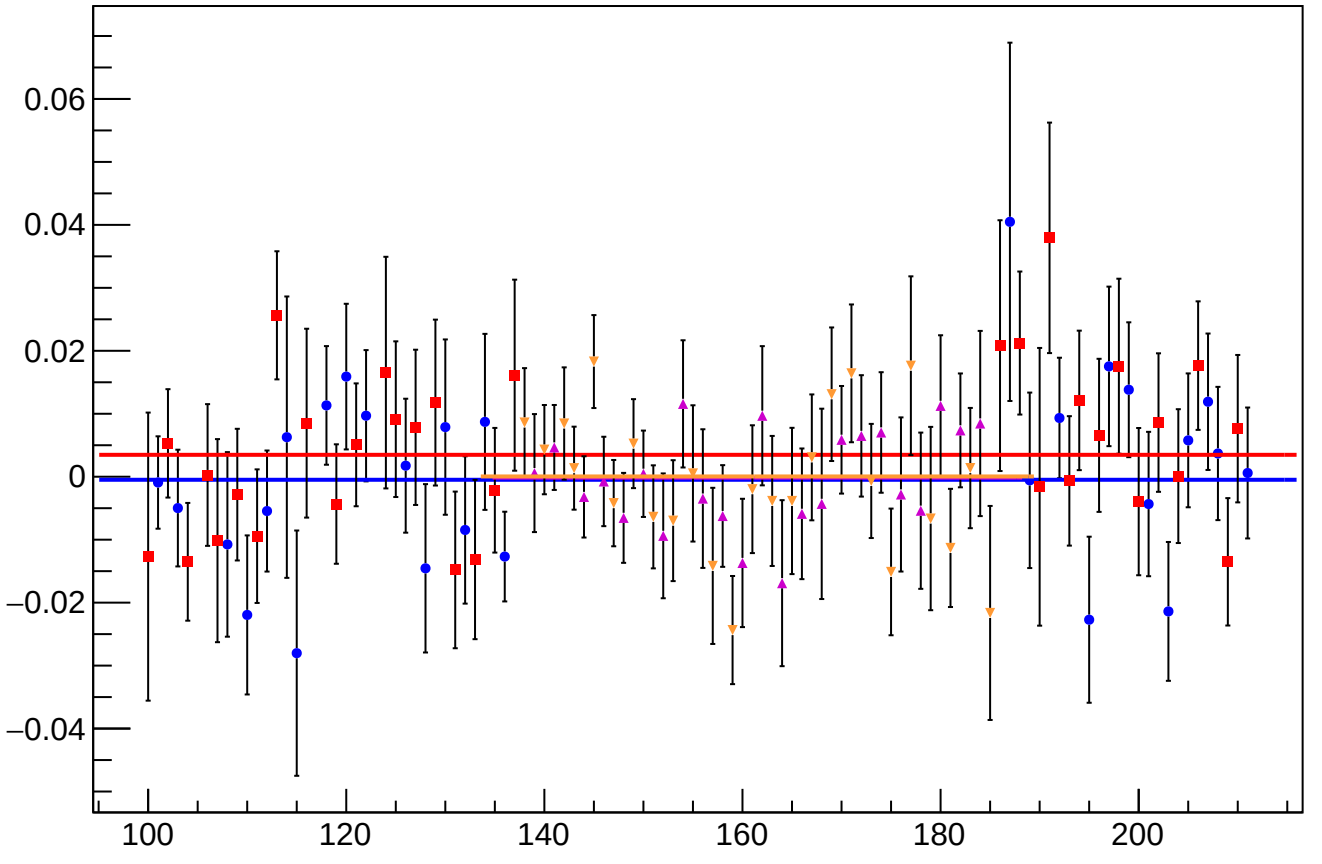
Right Out: 811.980+/-0.136 χ^2/NDF: 562036.3/32

Left In: 928.913+/-0.156 χ^2/NDF:769065.0/22

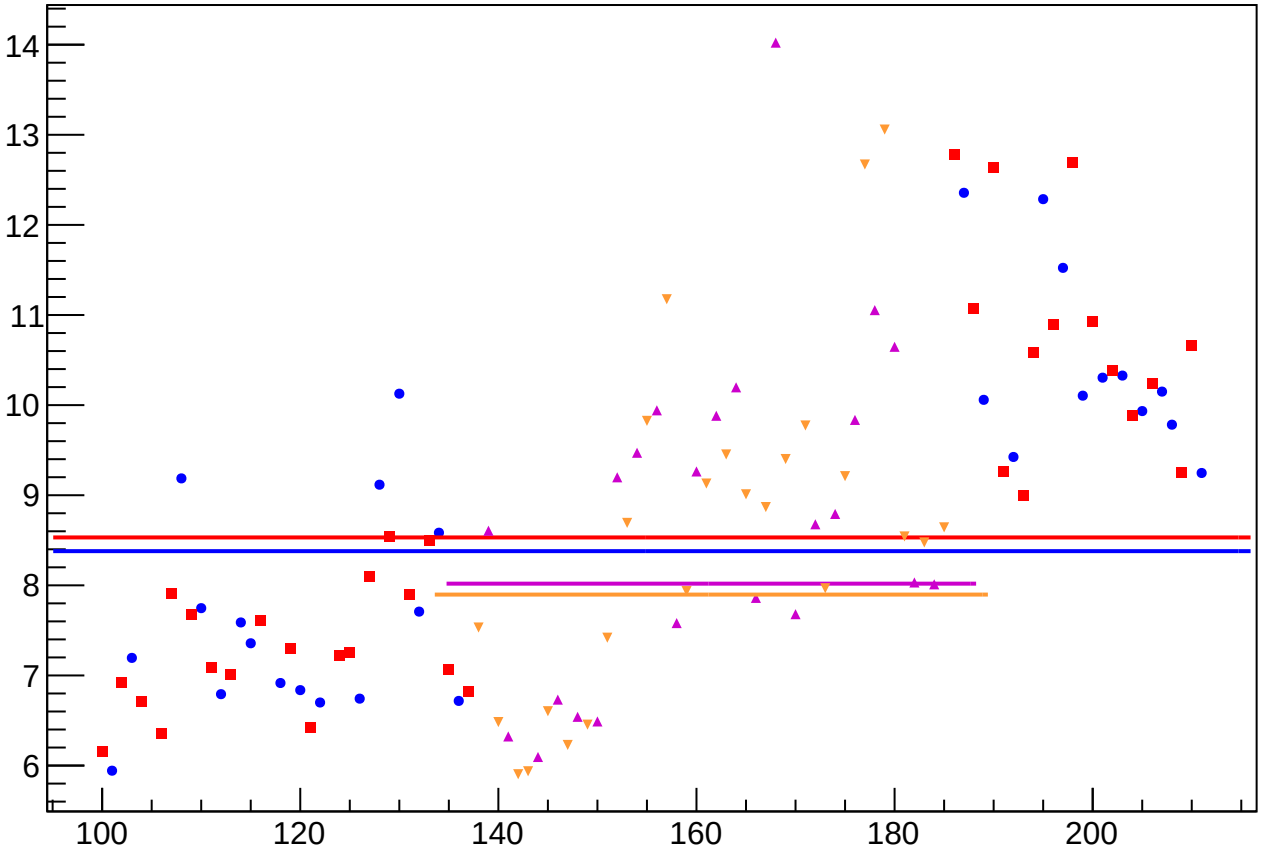
+ sign 850.900+/-0.102 χ^2/NDF: 1669460.4/52

All: 856.584+/-0.072 χ^2/NDF: 3325427.7/108

- sign 862.330+/-0.103 χ^2/NDF: 1649725.6/55


diff_dispE_bpm12X_mean vs Slug
0.06
0.04
0.02
0
−0.02
−0.04
100
120
140
160
180
200
Right In: -0.000+/-0.002 χ²/NDF: 31.1/27
Left Out: 0.000+/-0.002 χ²/NDF:31.1/24
Right Out: 0.003+/-0.002 χ²/NDF: 32.4/32
Left In: -0.000+/-0.002 χ²/NDF:12.8/22
+ sign -0.000+/-0.001 χ²/NDF: 62.3/52
All: 0.001+/-0.001 χ²/NDF: 110.0/108
- sign 0.002+/-0.001 χ²/NDF: 46.9/55

diff_dispE_bpm12X_rms vs Slug



Right In: 8.380+/-0.001 χ^2/NDF: 1369910.2/27

Left Out: 7.897+/-0.001 χ^2/NDF:1590867.7/24

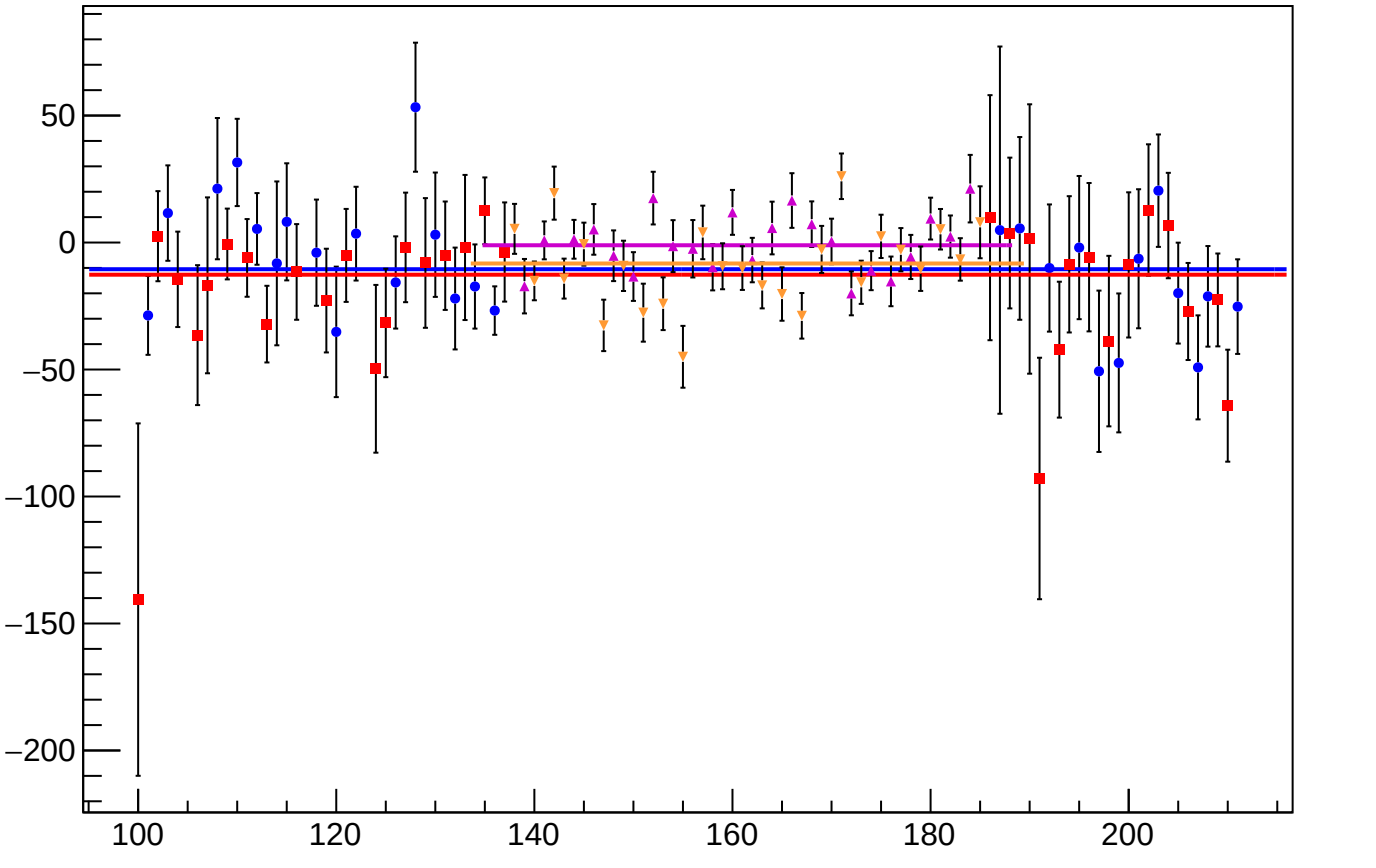
Right Out: 8.532+/-0.001 χ^2/NDF: 1478401.3/32

Left In: 8.019+/-0.001 χ^2/NDF:1455714.6/22

+ sign 8.107+/-0.001 χ^2/NDF: 3020122.1/52

All: 8.181+/-0.001 χ^2/NDF: 6032686.3/108

- sign 8.258+/-0.001 χ^2/NDF: 3000828.5/55



Right In: -10.505+/-3.793 χ^2/NDF: 34.1/27

Left Out: -8.256+/-1.849 χ^2/NDF:62.2/24

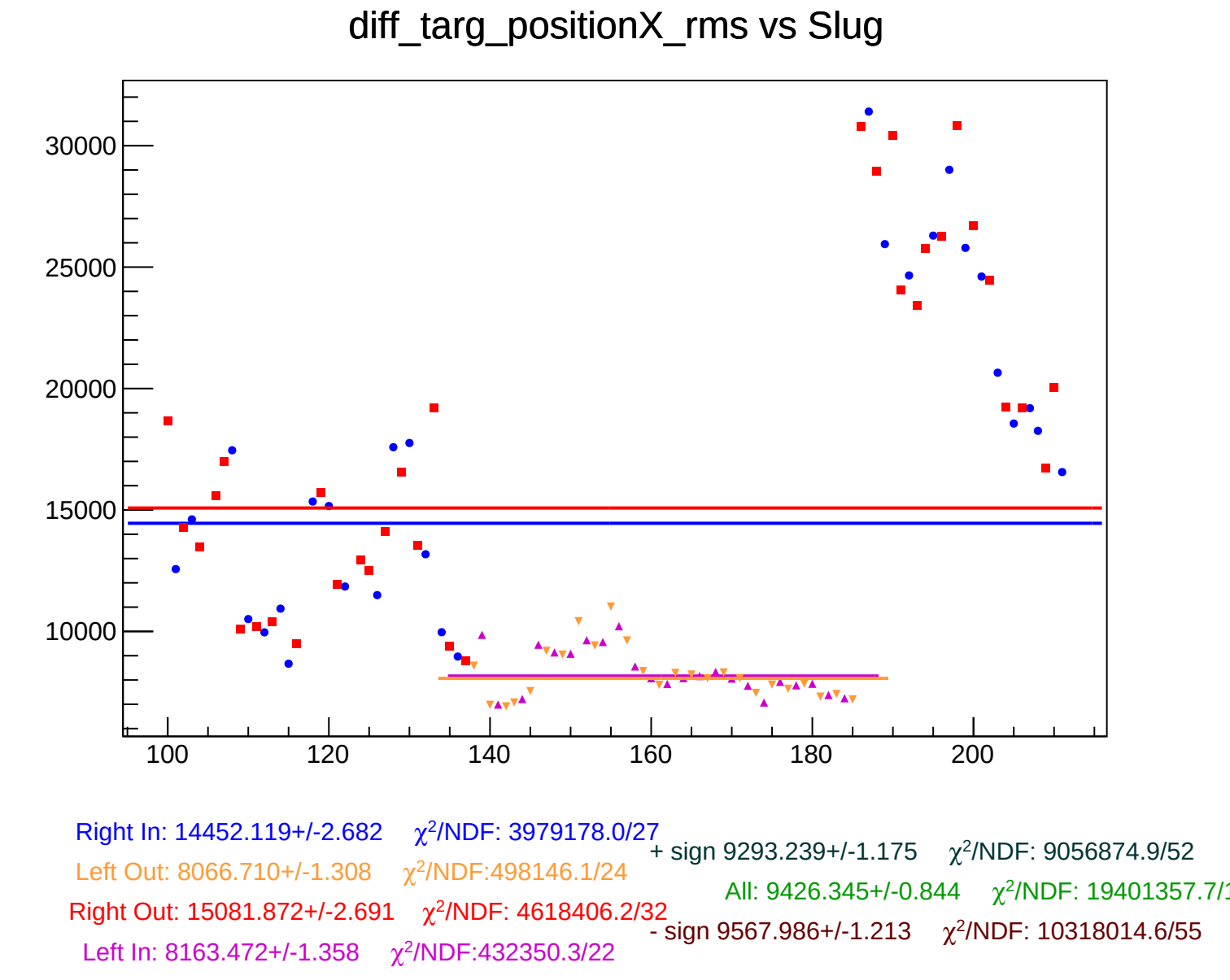
Right Out: -12.663+/-3.806 χ^2/NDF: 27.9/32

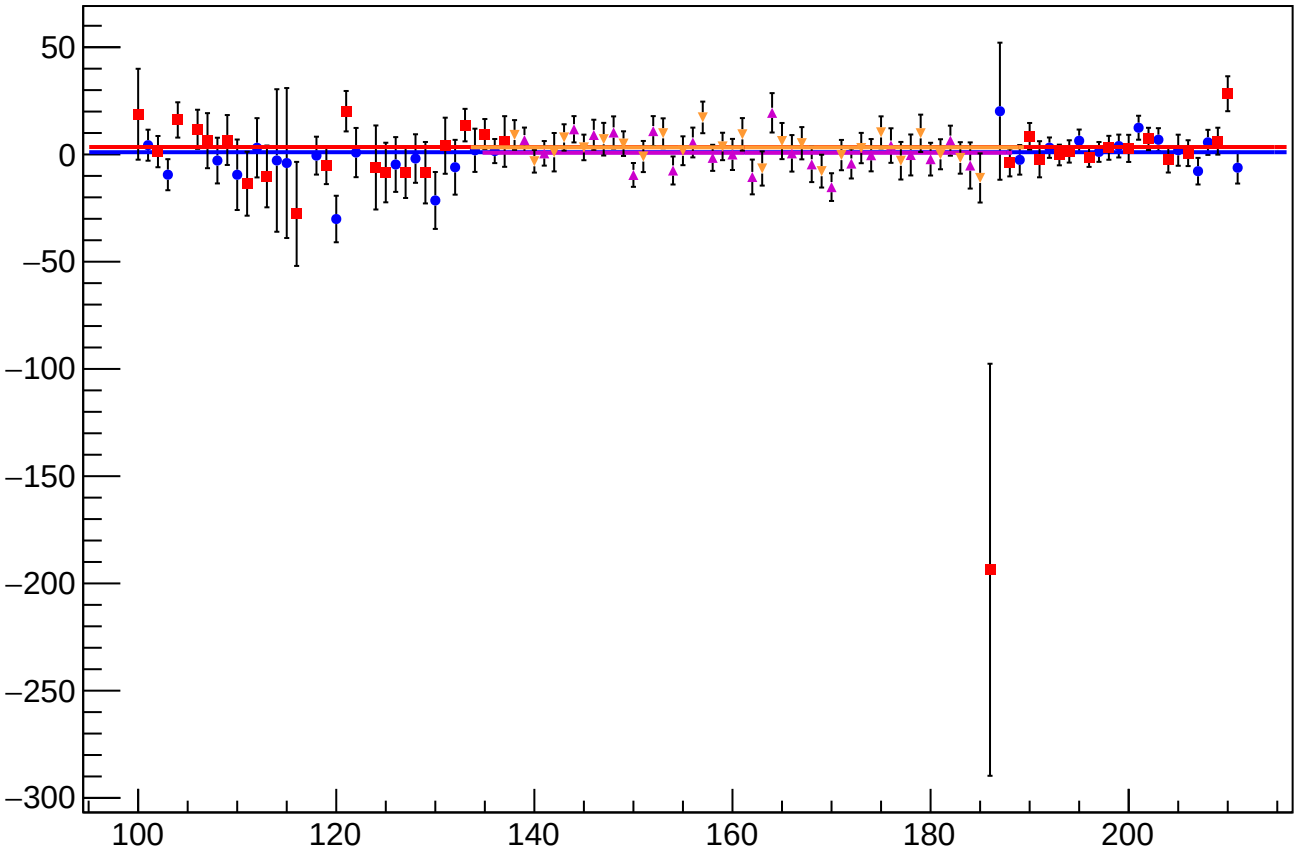
Left In: -1.072+/-1.921 χ^2/NDF:28.8/22

+ sign -8.688+/-1.662 χ^2/NDF: 96.6/52

All: -6.138+/-1.194 χ^2/NDF: 165.6/108

- sign -3.425+/-1.715 χ^2/NDF: 64.2/55


diff_targ_positionX_rms vs Slug
30000
25000
20000
15000
10000
100
120
140
160
180
200
Right In: 14452.119+/-2.682 χ²/NDF: 3979178.0/27
Left Out: 8066.710+/-1.308 χ²/NDF:498146.1/24
Right Out: 15081.872+/-2.691 χ²/NDF: 4618406.2/32
Left In: 8163.472+/-1.358 χ²/NDF:432350.3/22
+ sign 9293.239+/-1.175 χ²/NDF: 9056874.9/52
All: 9426.345+/-0.844 χ²/NDF: 19401357.7/1
- sign 9567.986+/-1.213 χ²/NDF: 10318014.6/55



Right In: 1.048+/-1.417 χ^2/NDF: 25.8/27

Left Out: 3.330+/-1.431 χ^2/NDF:16.9/24

Right Out: 3.467+/-1.348 χ^2/NDF: 36.8/32

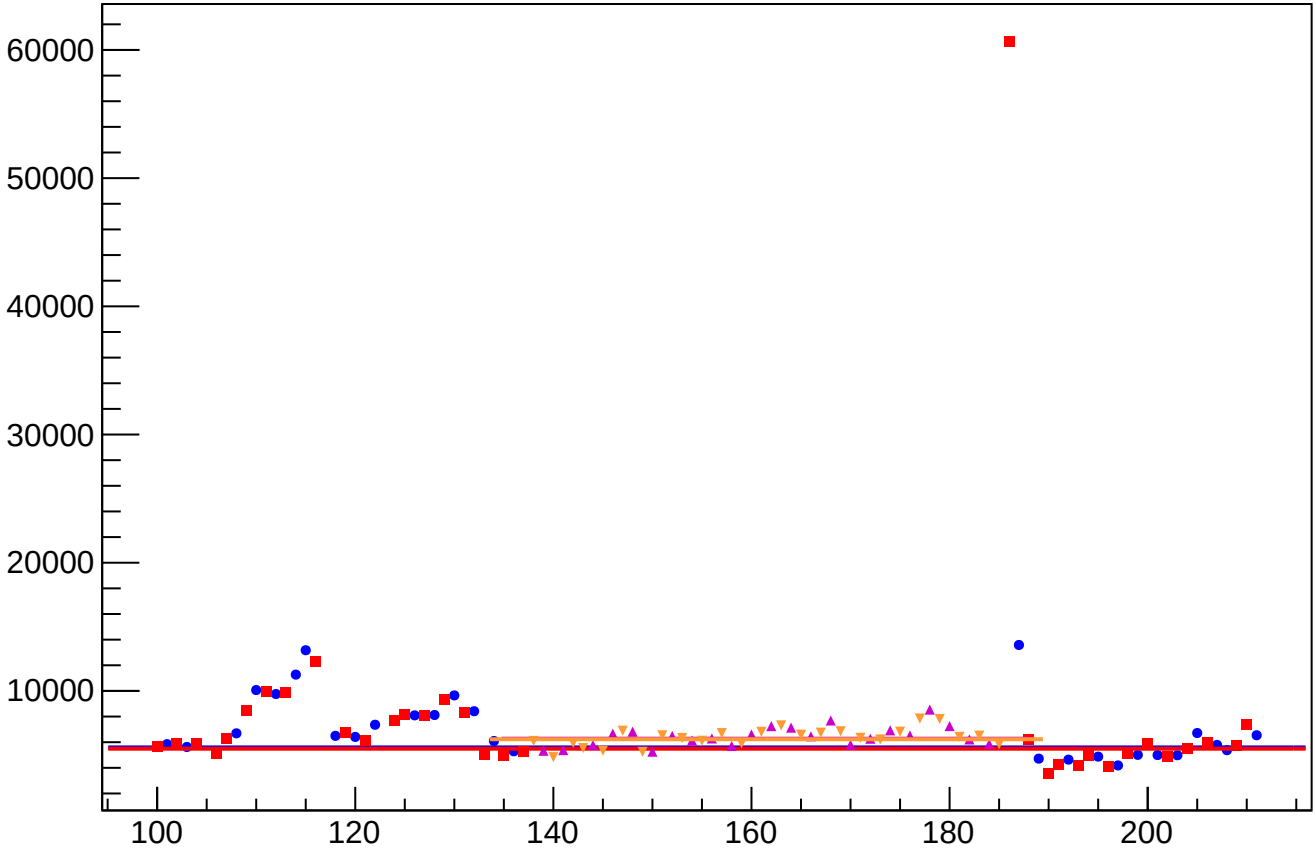
Left In: 0.797+/-1.479 χ^2/NDF:29.4/22

+ sign 2.178+/-1.007 χ^2/NDF: 44.0/52

All: 2.217+/-0.708 χ^2/NDF: 112.0/108

- sign 2.255+/-0.996 χ^2/NDF: 68.0/55

diff_targ_positionY_rms vs Slug



Right In: 5592.513+/-1.002 χ^2/NDF: 1676149.9/27

Left Out: 6230.934+/-1.012 χ^2/NDF:532579.4/24

Right Out: 5492.846+/-0.953 χ^2/NDF: 2607782.0/32

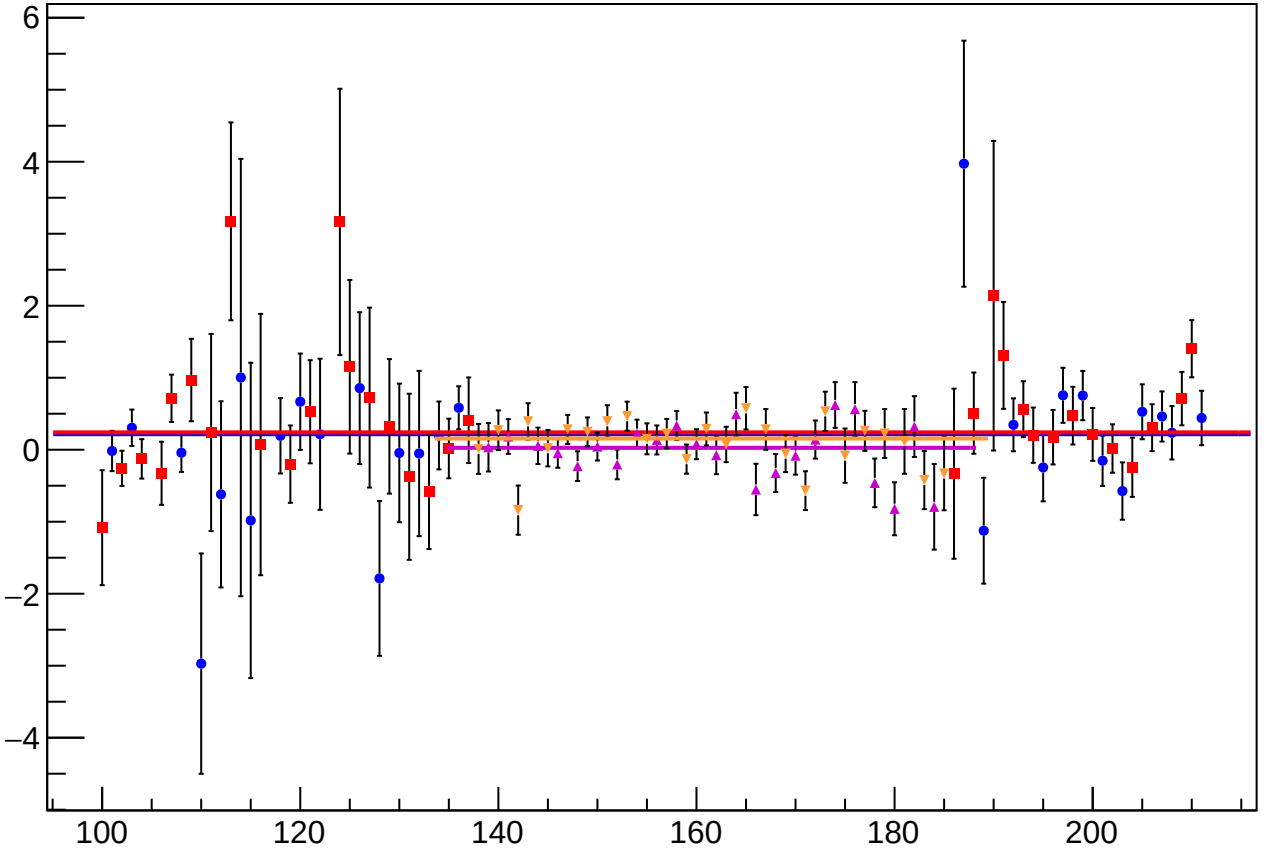
Left In: 6270.834+/-1.046 χ^2/NDF:504723.6/22

+ sign 5908.668+/-0.712 χ^2/NDF: 2409800.6/52

All: 5877.006+/-0.501 χ^2/NDF: 5828564.5/10

- sign 5845.999+/-0.704 χ^2/NDF: 3414848.0/55

diff_targ_thetaX_mean vs Slug



Right In: 0.215+/-0.084 χ^2/NDF: 33.0/27

Left Out: 0.156+/-0.052 χ^2/NDF:32.3/24

Right Out: 0.241+/-0.082 χ^2/NDF: 40.9/32

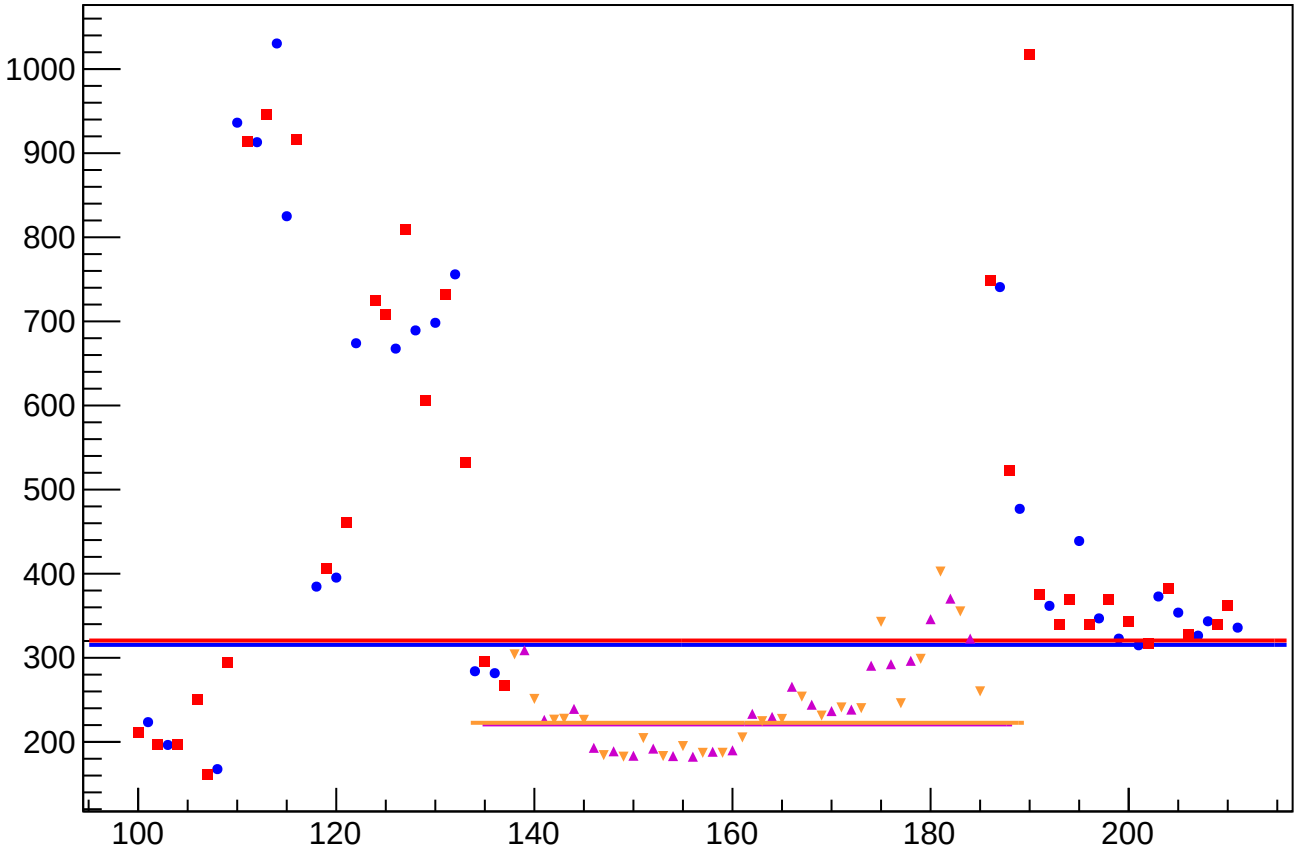
Left In: 0.026+/-0.053 χ^2/NDF:29.8/22

+ sign 0.172+/-0.044 χ^2/NDF: 65.7/52

All: 0.131+/-0.031 χ^2/NDF: 142.9/108

- sign 0.089+/-0.045 χ^2/NDF: 75.5/55

diff_targ_thetaX_rms vs Slug



Right In: 315.384+/-0.059 χ^2/NDF: 4141975.3/27

Left Out: 222.727+/-0.037 χ^2/NDF:1451363.0/24

Right Out: 320.559+/-0.058 χ^2/NDF: 4729973.7/32

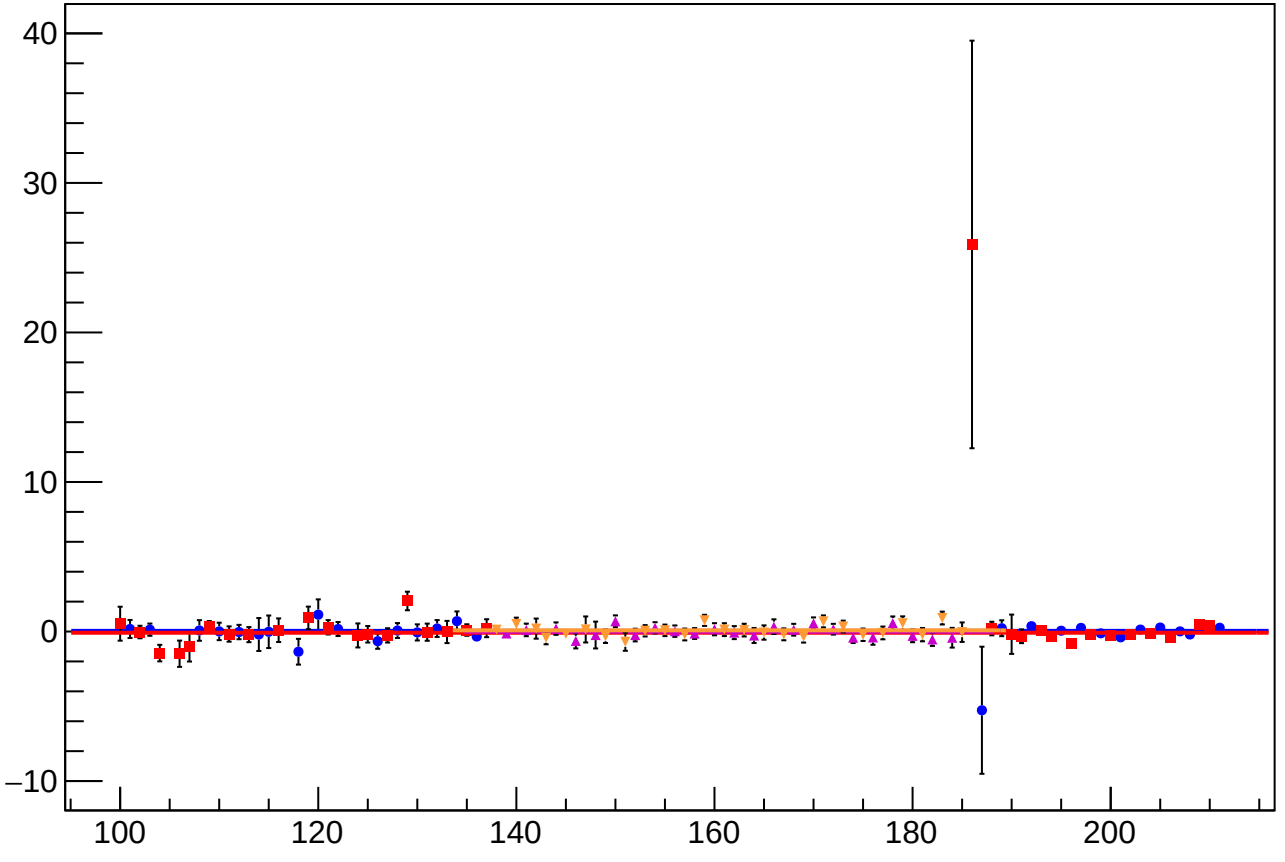
Left In: 220.802+/-0.037 χ^2/NDF:1471497.9/22

+ sign 248.535+/-0.031 χ^2/NDF: 7368152.6/52

All: 249.262+/-0.022 χ^2/NDF: 15647194.8/10

- sign 250.003+/-0.031 χ^2/NDF: 8277945.1/55

diff_targ_thetaY_mean vs Slug



Right In: 0.043+/-0.067 χ^2/NDF: 17.7/27

Left Out: 0.079+/-0.084 χ^2/NDF:19.0/24

Right Out: -0.081+/-0.067 χ^2/NDF: 50.1/32

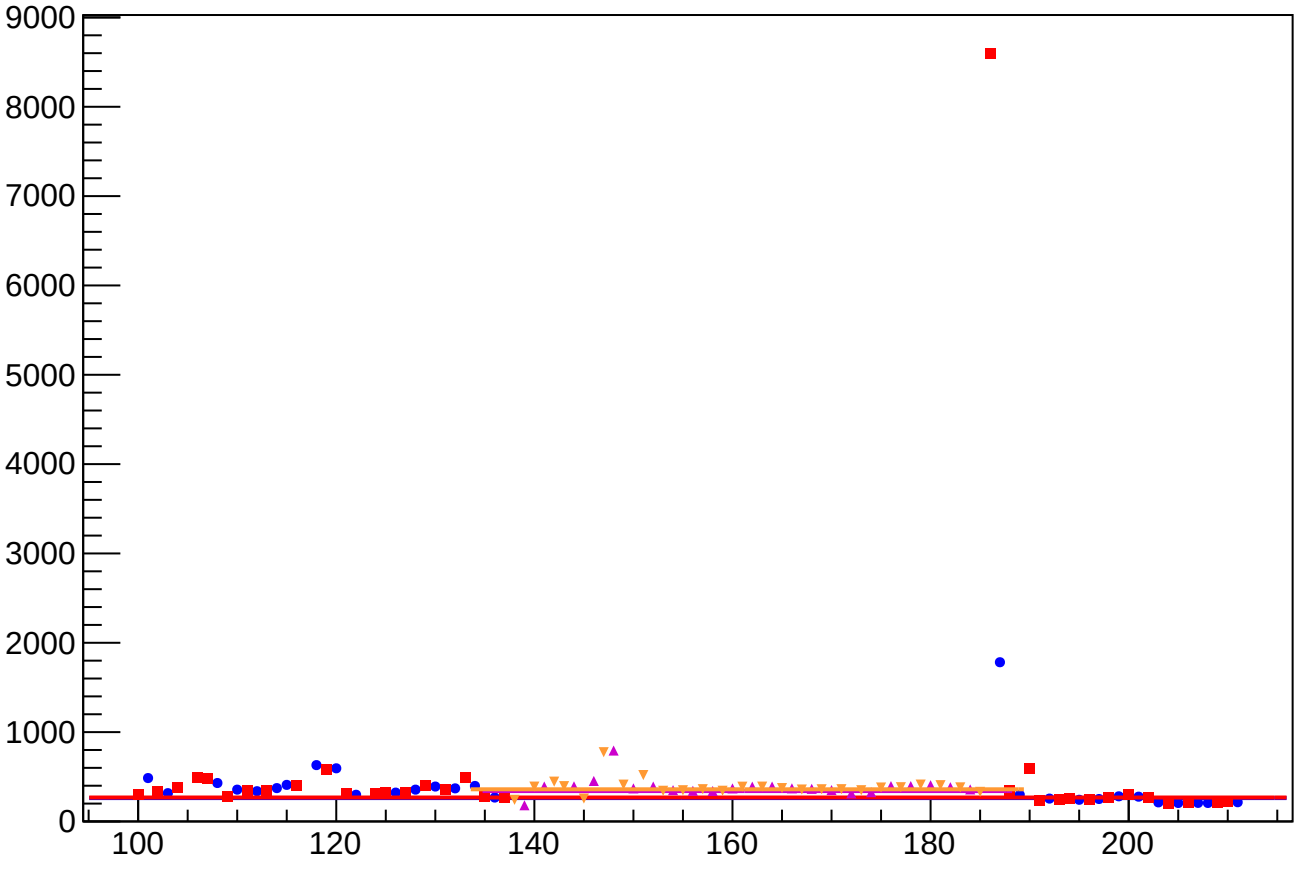
Left In: -0.009+/-0.083 χ^2/NDF:15.2/22

+ sign 0.057+/-0.053 χ^2/NDF: 36.8/52

All: 0.002+/-0.037 χ^2/NDF: 104.7/108

- sign -0.052+/-0.052 χ^2/NDF: 65.8/55

diff_targ_thetaY_rms vs Slug



Right In: 261.625+/-0.048 χ^2/NDF: 2378956.2/27

Left Out: 360.021+/-0.060 χ^2/NDF:1339748.9/24

Right Out: 268.104+/-0.047 χ^2/NDF: 2739441.4/32

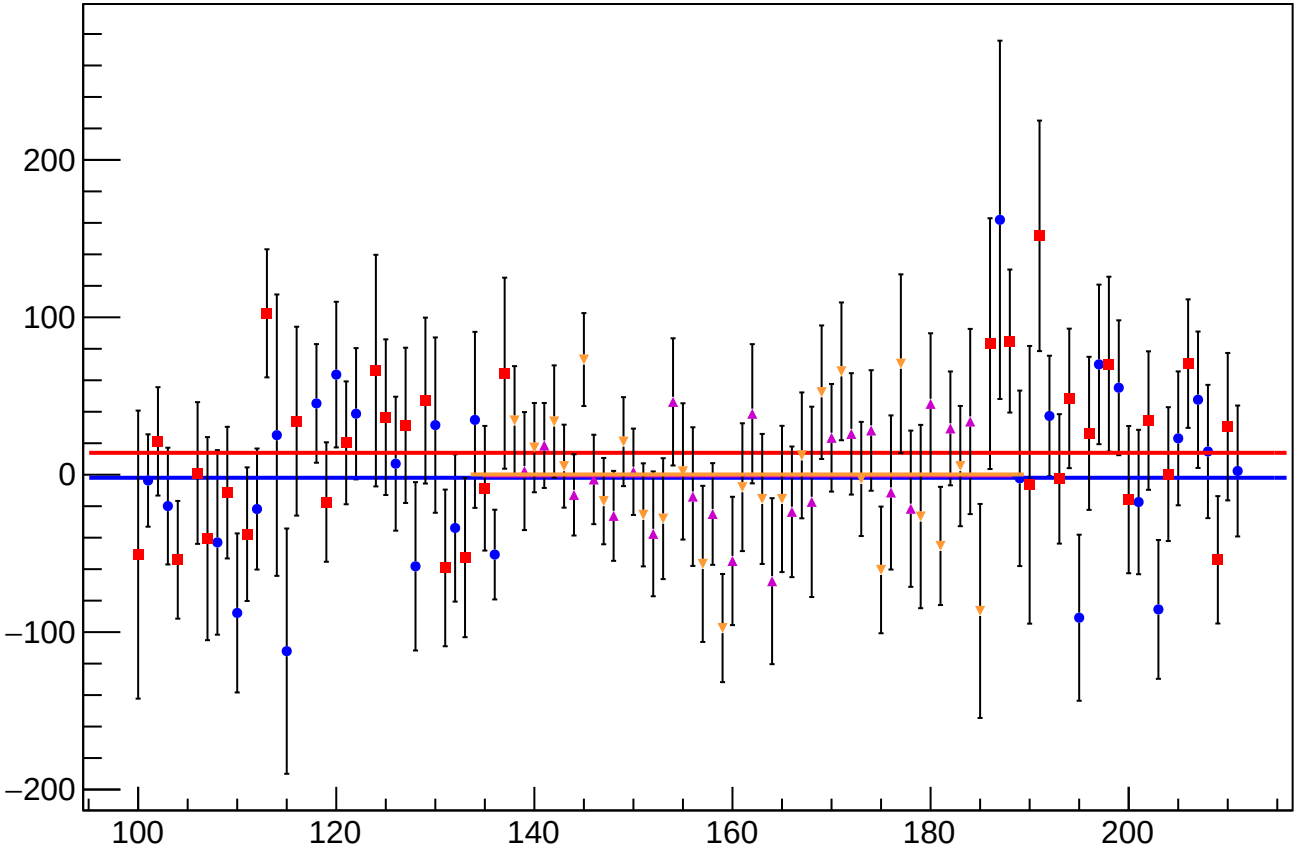
Left In: 340.020+/-0.059 χ^2/NDF:2225094.5/22

+ sign 299.953+/-0.037 χ^2/NDF: 5381740.9/52

All: 298.192+/-0.026 χ^2/NDF: 11263949.0/10

- sign 296.472+/-0.037 χ^2/NDF: 5877779.4/55

diff_bpmE_mean vs Slug



Right In: -1.943+/-8.421 χ^2/NDF: 31.1/27

Left Out: 0.168+/-7.375 χ^2/NDF:31.1/24

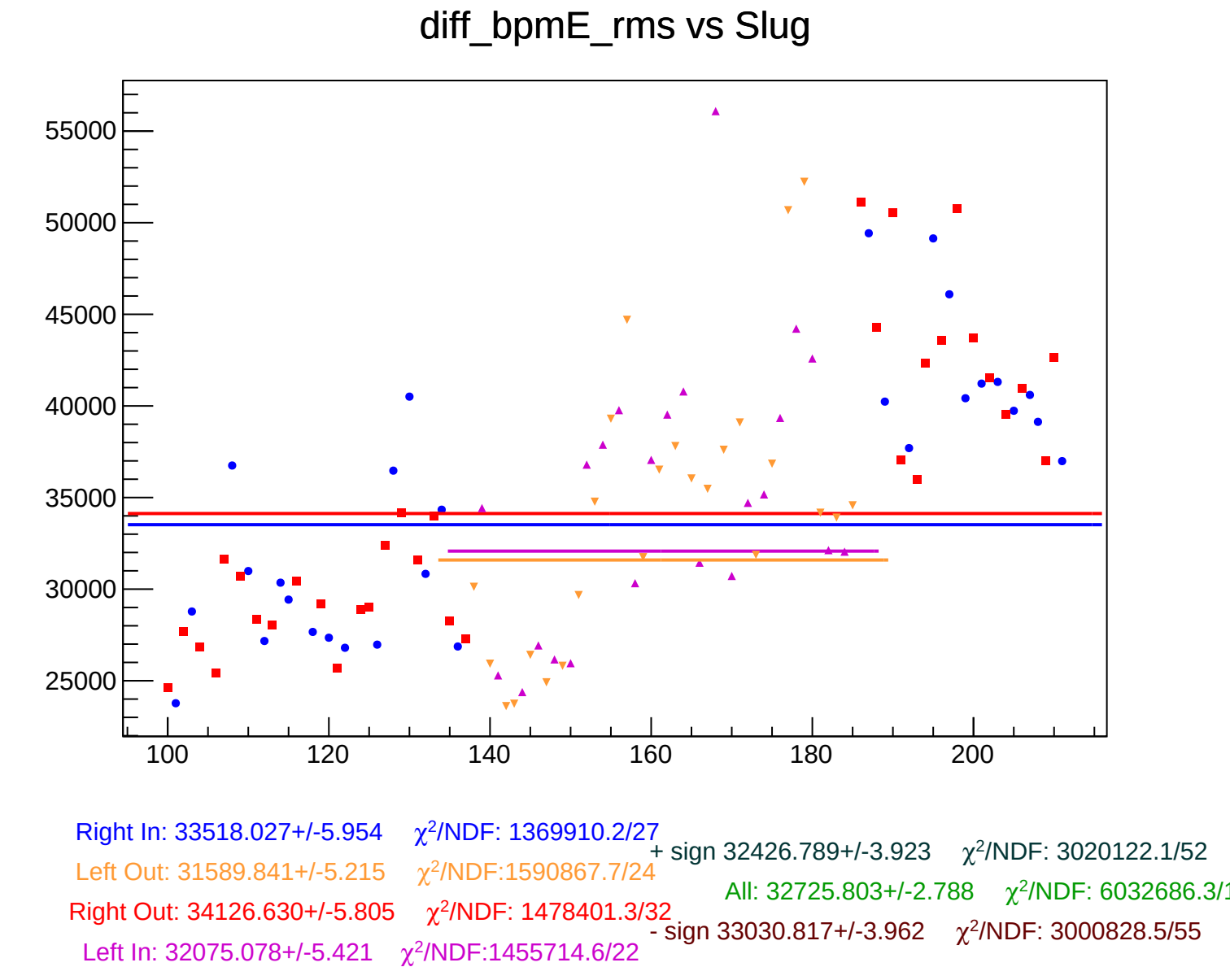
Right Out: 13.914+/-8.210 χ^2/NDF: 32.4/32

Left In: -0.586+/-7.667 χ^2/NDF:12.8/22

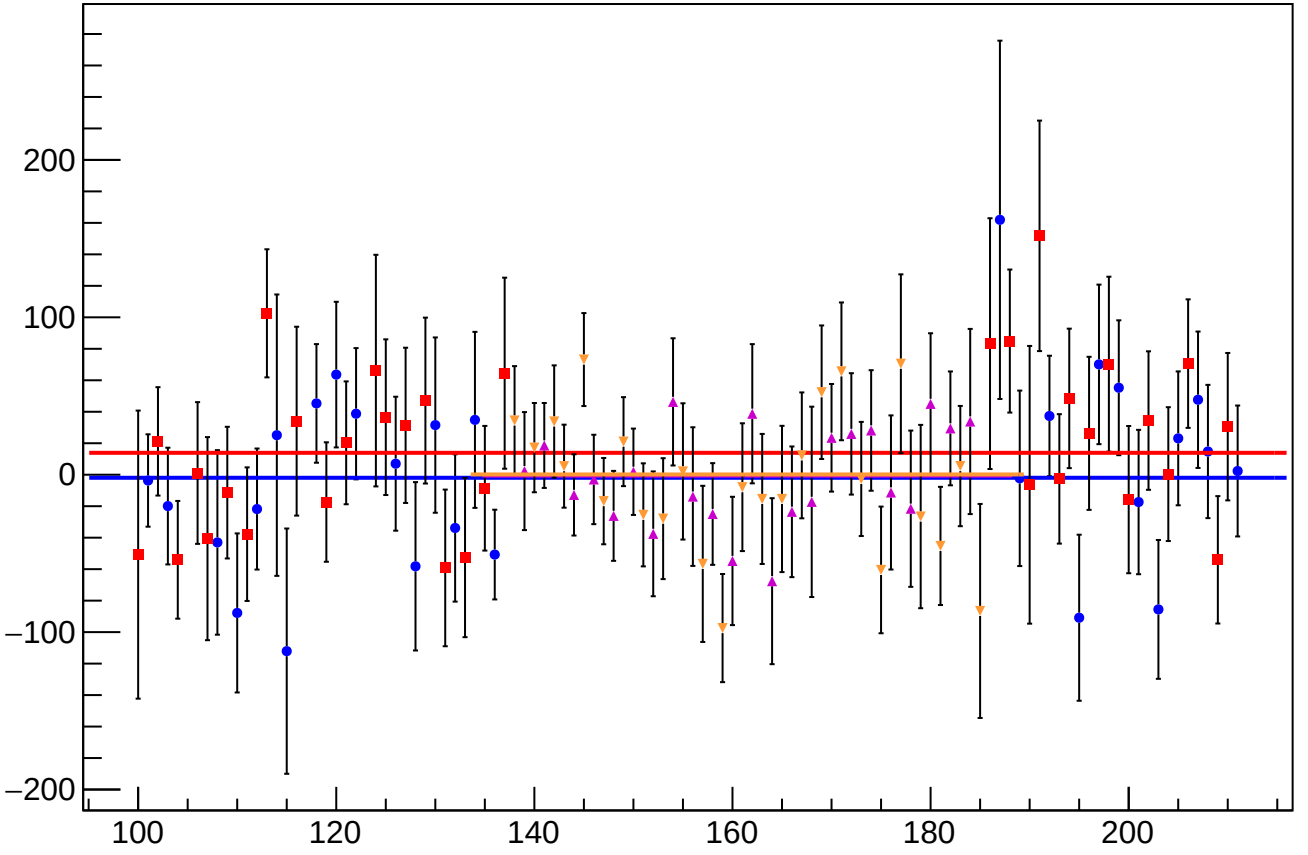
+ sign -0.749+/-5.548 χ^2/NDF: 62.3/52

All: 2.676+/-3.942 χ^2/NDF: 110.0/108

- sign 6.169+/-5.603 χ^2/NDF: 46.9/55


diff_bpmE_rms vs Slug
55000
50000
45000
40000
35000
30000
25000
100
120
140
160
180
200
Right In: 33518.027+/-5.954 χ²/NDF: 1369910.2/27
Left Out: 31589.841+/-5.215 χ²/NDF:1590867.7/24
Right Out: 34126.630+/-5.805 χ²/NDF: 1478401.3/32
Left In: 32075.078+/-5.421 χ²/NDF:1455714.6/22
+ sign 32426.789+/-3.923 χ²/NDF: 3020122.1/52
All: 32725.803+/-2.788 χ²/NDF: 6032686.3/1
- sign 33030.817+/-3.962 χ²/NDF: 3000828.5/55

diff_bpmEX_mean vs Slug



Right In: -1.943+/-8.421 χ^2/NDF: 31.1/27

Left Out: 0.168+/-7.375 χ^2/NDF:31.1/24

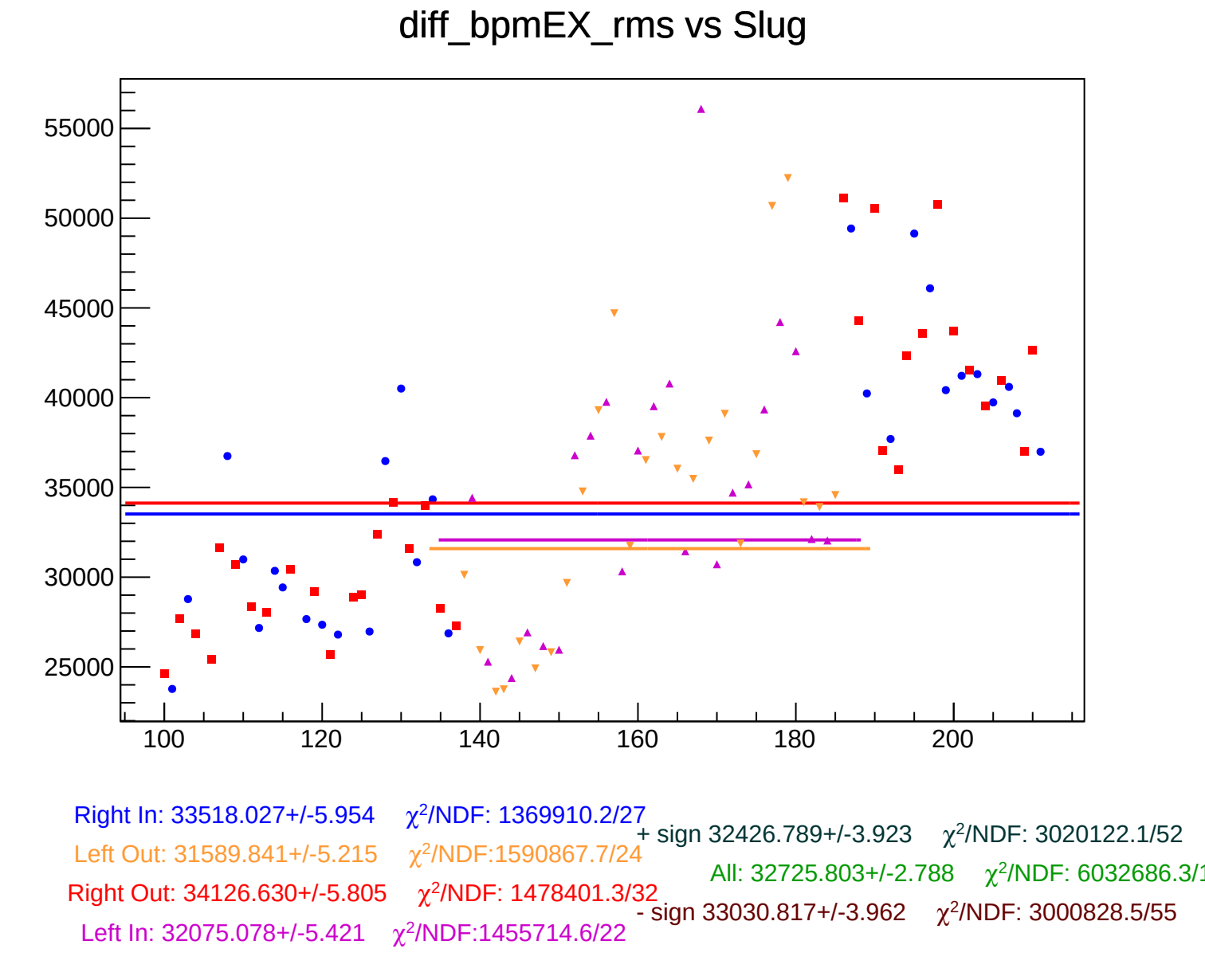
Right Out: 13.914+/-8.210 χ^2/NDF: 32.4/32

Left In: -0.586+/-7.667 χ^2/NDF:12.8/22

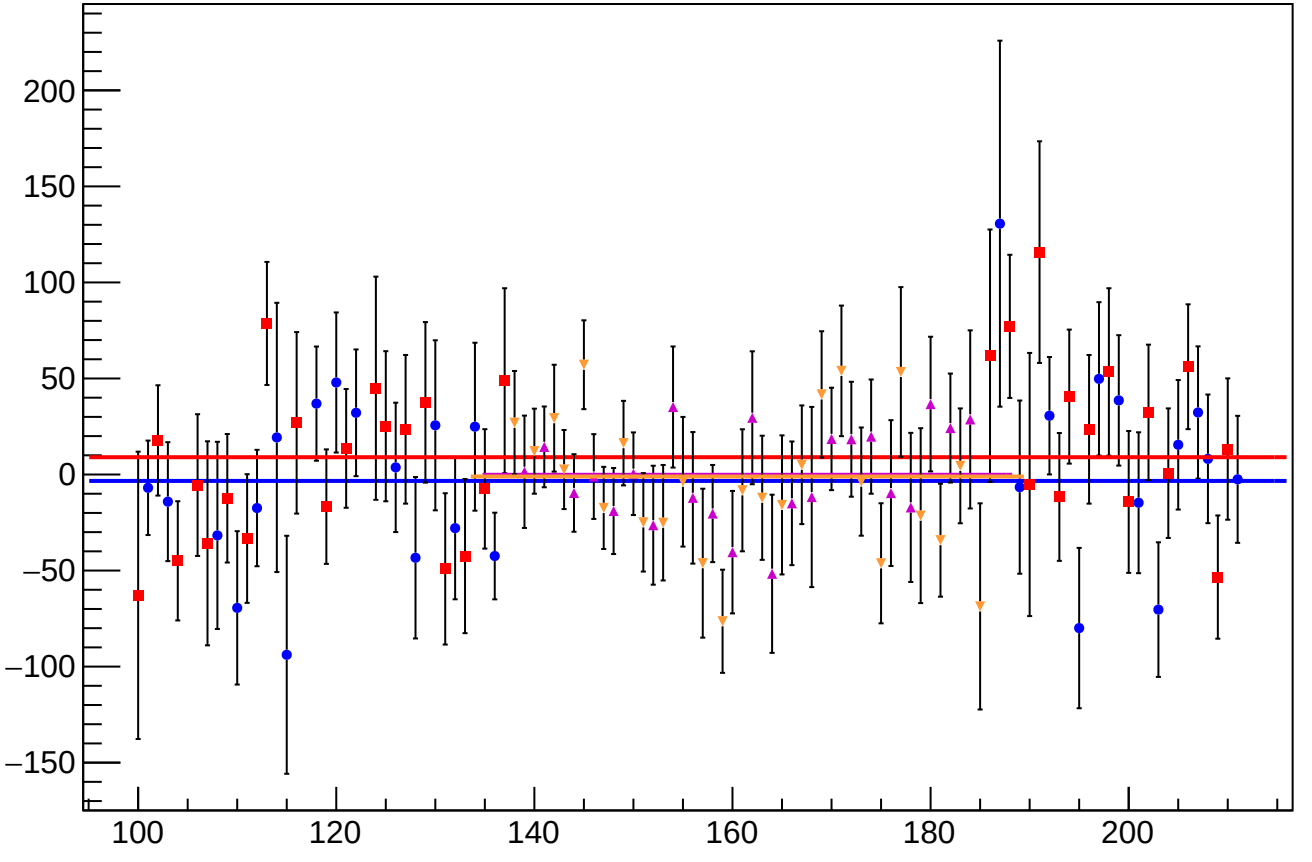
+ sign -0.749+/-5.548 χ^2/NDF: 62.3/52

All: 2.676+/-3.942 χ^2/NDF: 110.0/108

- sign 6.169+/-5.603 χ^2/NDF: 46.9/55


diff_bpmEX_rms vs Slug
55000
50000
45000
40000
35000
30000
25000
100
120
140
160
180
200
Right In: 33518.027+/-5.954 χ²/NDF: 1369910.2/27
Left Out: 31589.841+/-5.215 χ²/NDF:1590867.7/24
Right Out: 34126.630+/-5.805 χ²/NDF: 1478401.3/32
Left In: 32075.078+/-5.421 χ²/NDF:1455714.6/22
+ sign 32426.789+/-3.923 χ²/NDF: 3020122.1/52
All: 32725.803+/-2.788 χ²/NDF: 6032686.3/1
- sign 33030.817+/-3.962 χ²/NDF: 3000828.5/55

diff_bpmE_11X12X_mean vs Slug



Right In: -3.335+/-6.726 χ^2/NDF: 31.0/27

Left Out: -1.042+/-5.755 χ^2/NDF:32.3/24

Right Out: 9.016+/-6.554 χ^2/NDF: 35.1/32

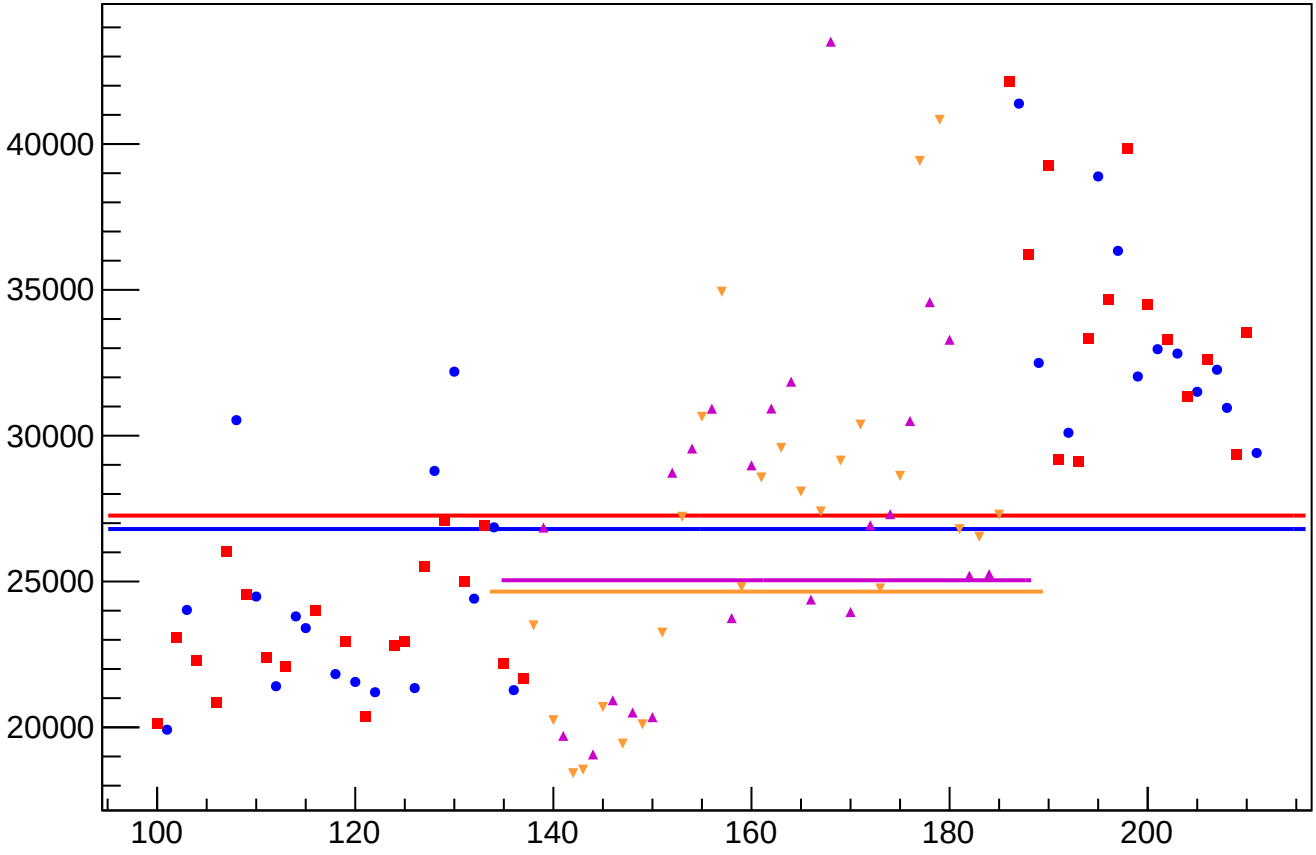
Left In: -0.147+/-5.985 χ^2/NDF:12.1/22

+ sign -2.011+/-4.372 χ^2/NDF: 63.4/52

All: 0.972+/-3.108 χ^2/NDF: 112.7/108

- sign 4.020+/-4.419 χ^2/NDF: 48.3/55

diff_bpmE_11X12X_rms vs Slug



Right In: 26798.957+/-4.756 χ^2/NDF: 1313434.0/27

Left Out: 24654.001+/-4.069 χ^2/NDF:1582710.2/24

Right Out: 27260.744+/-4.634 χ^2/NDF: 1433370.1/32

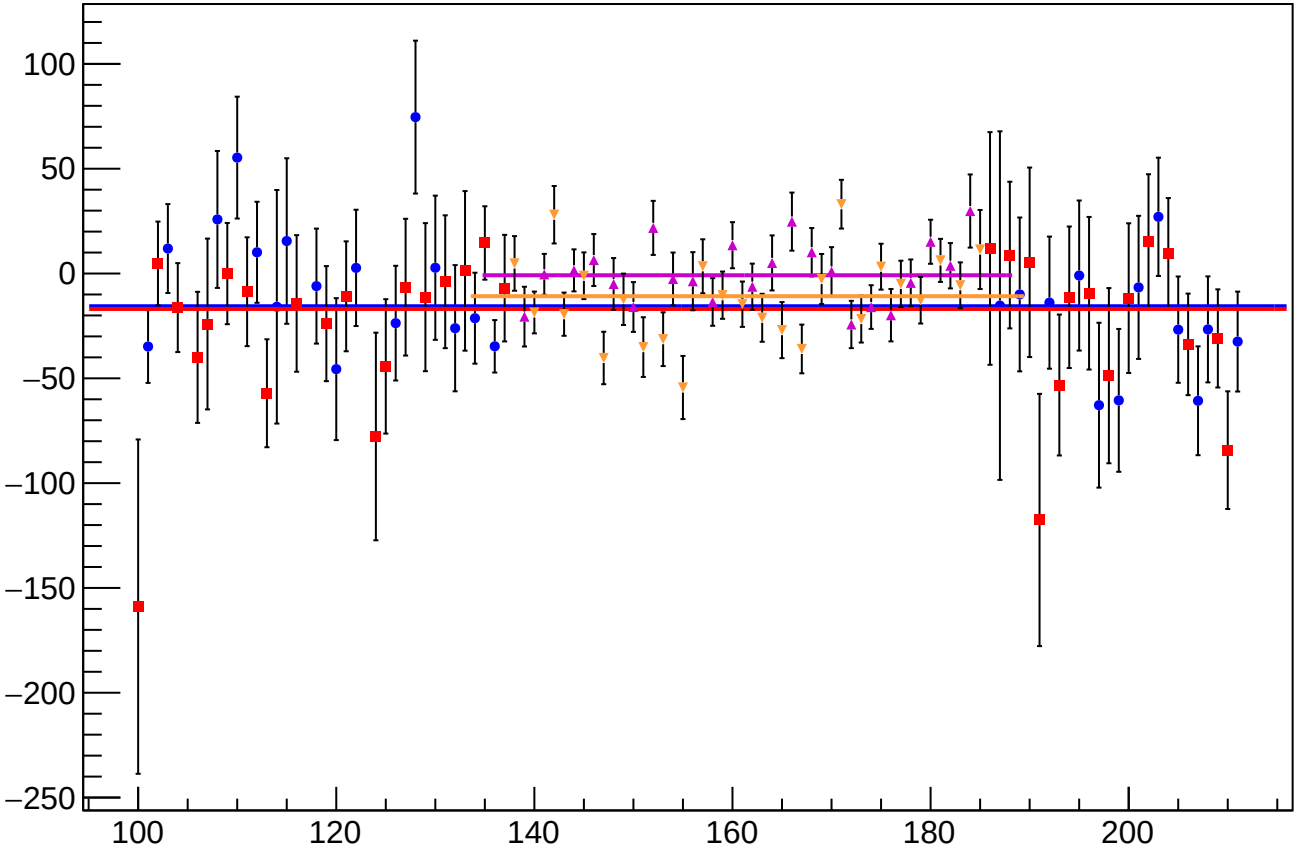
Left In: 25041.993+/-4.232 χ^2/NDF:1441641.5/22

+ sign 25560.571+/-3.092 χ^2/NDF: 3013587.5/52

All: 25803.096+/-2.198 χ^2/NDF: 6026030.3/1

- sign 26050.850+/-3.125 χ^2/NDF: 3000004.2/55

diff_bpm4aesumX_mean vs Slug



Right In: -15.612+/-5.060 χ^2/NDF: 32.2/27

Left Out: -10.822+/-2.370 χ^2/NDF:61.3/24

Right Out: -16.906+/-5.163 χ^2/NDF: 28.5/32

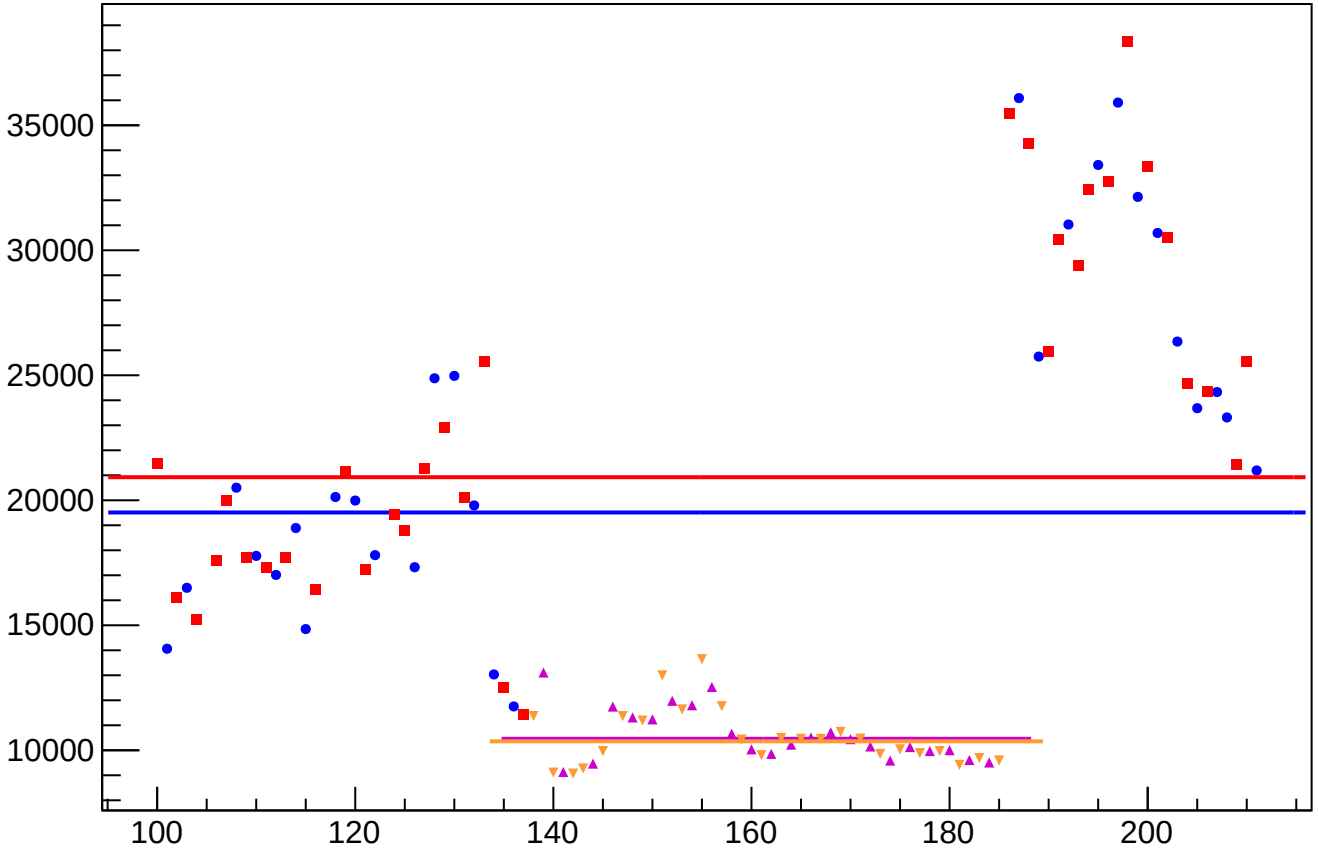
Left In: -0.826+/-2.457 χ^2/NDF:29.4/22

+ sign -11.684+/-2.147 χ^2/NDF: 94.2/52

All: -7.870+/-1.543 χ^2/NDF: 166.5/108

- sign -3.795+/-2.219 χ^2/NDF: 65.8/55

diff_bpm4aesumX_rms vs Slug



Right In: 19512.650+/-3.578 χ^2/NDF: 3197445.8/27

Left Out: 10358.363+/-1.676 χ^2/NDF:363077.1/24

Right Out: 20923.355+/-3.651 χ^2/NDF: 3231360.4/32

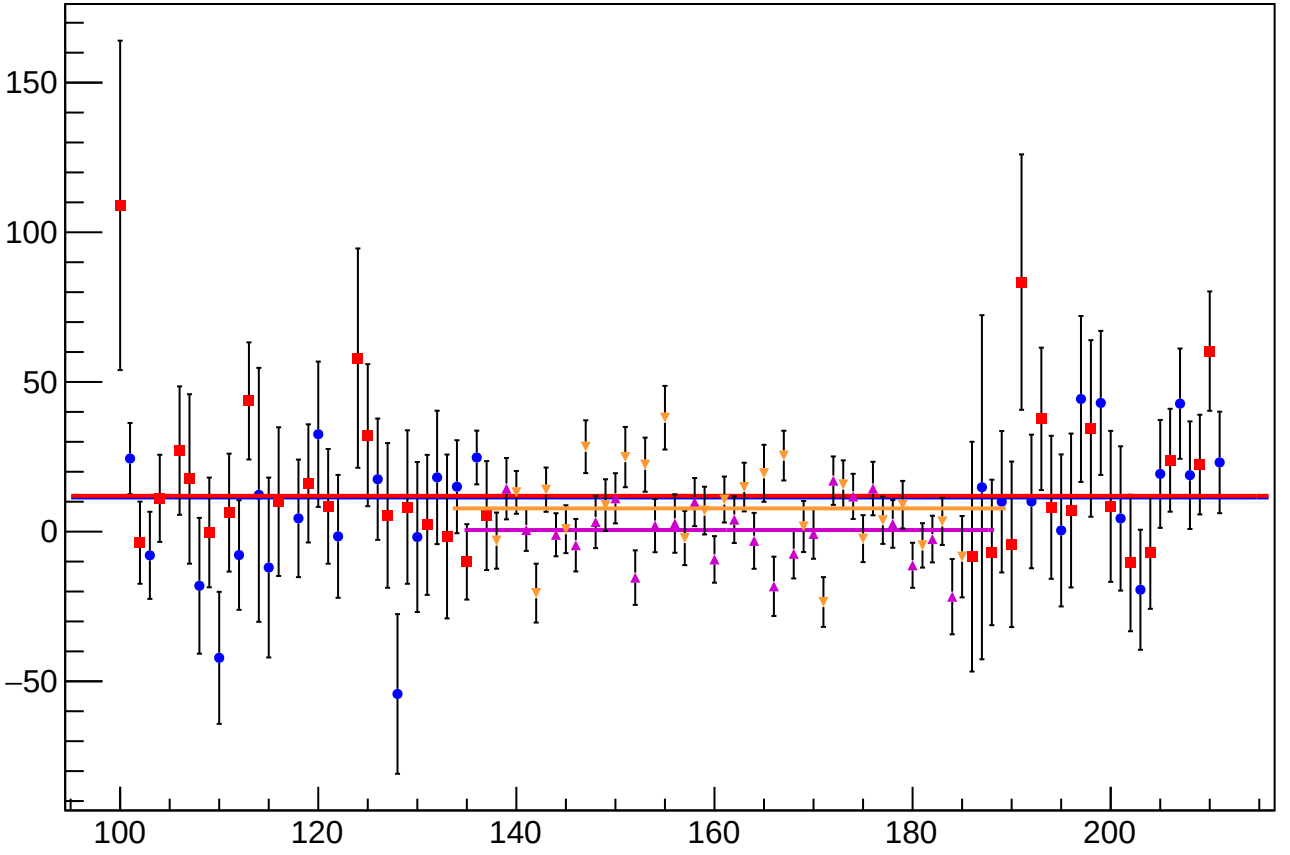
Left In: 10459.060+/-1.737 χ^2/NDF:314636.9/22

+ sign 12005.712+/-1.518 χ^2/NDF: 8928566.9/52

All: 12192.047+/-1.091 χ^2/NDF: 19203636.3/

- sign 12391.117+/-1.569 χ^2/NDF: 10243896.3/55

diff_bpm4aediffX_mean vs Slug



Right In: 11.426+/-3.613 χ^2/NDF: 31.8/27

Left Out: 7.763+/-1.691 χ^2/NDF:60.9/24

Right Out: 11.970+/-3.693 χ^2/NDF: 28.8/32

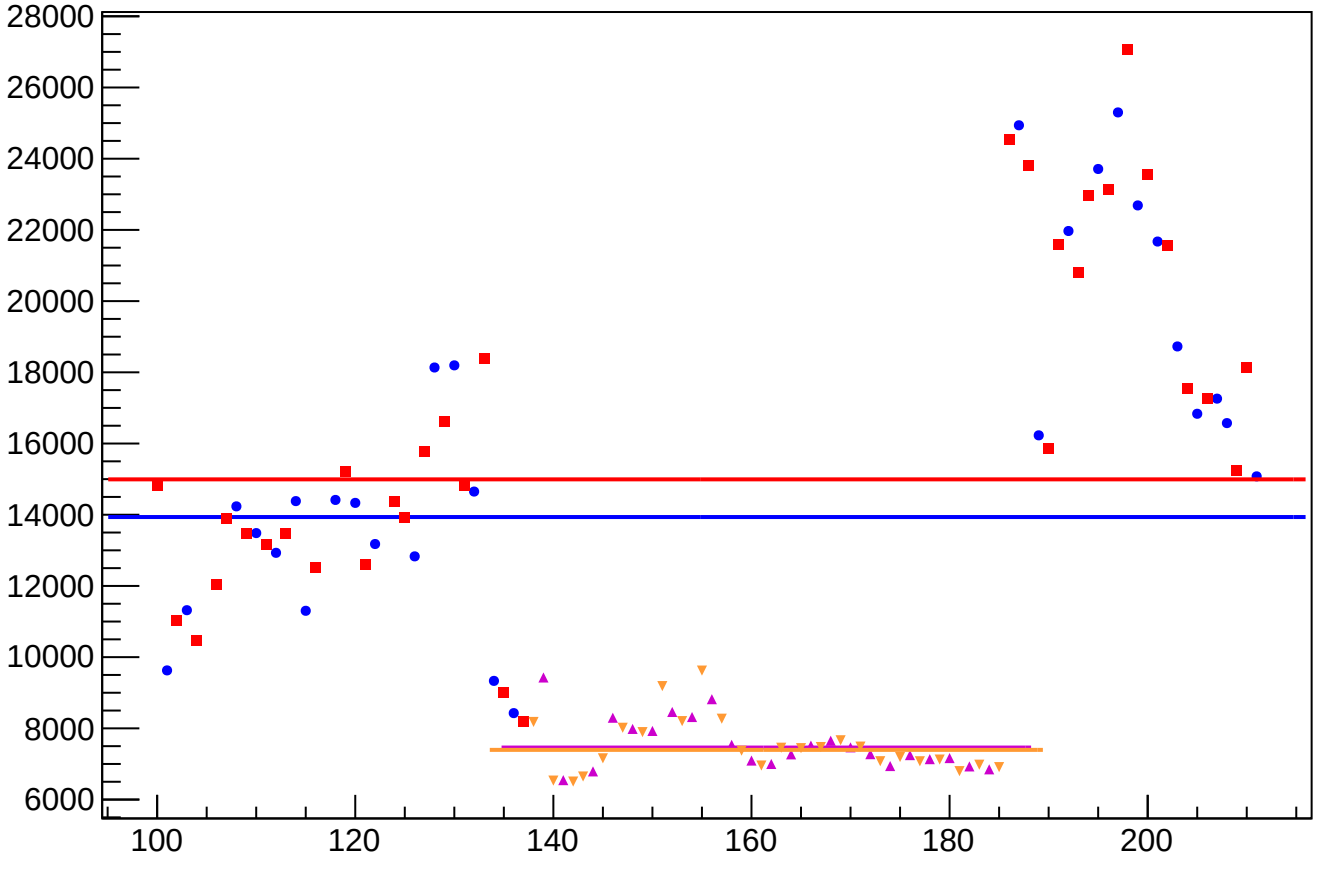
Left In: 0.532+/-1.752 χ^2/NDF:29.4/22

\+ sign 8.422+/-1.532 χ^2/NDF: 93.6/52

All: 5.622+/-1.101 χ^2/NDF: 166.6/108

\- sign 2.633+/-1.583 χ^2/NDF: 66.1/55

diff_bpm4aediffX_rms vs Slug



Right In: 13935.501+/-2.555 χ^2/NDF: 3137262.5/27

Left Out: 7395.667+/-1.196 χ^2/NDF:324459.4/24

Right Out: 14993.516+/-2.611 χ^2/NDF: 3108145.9/32

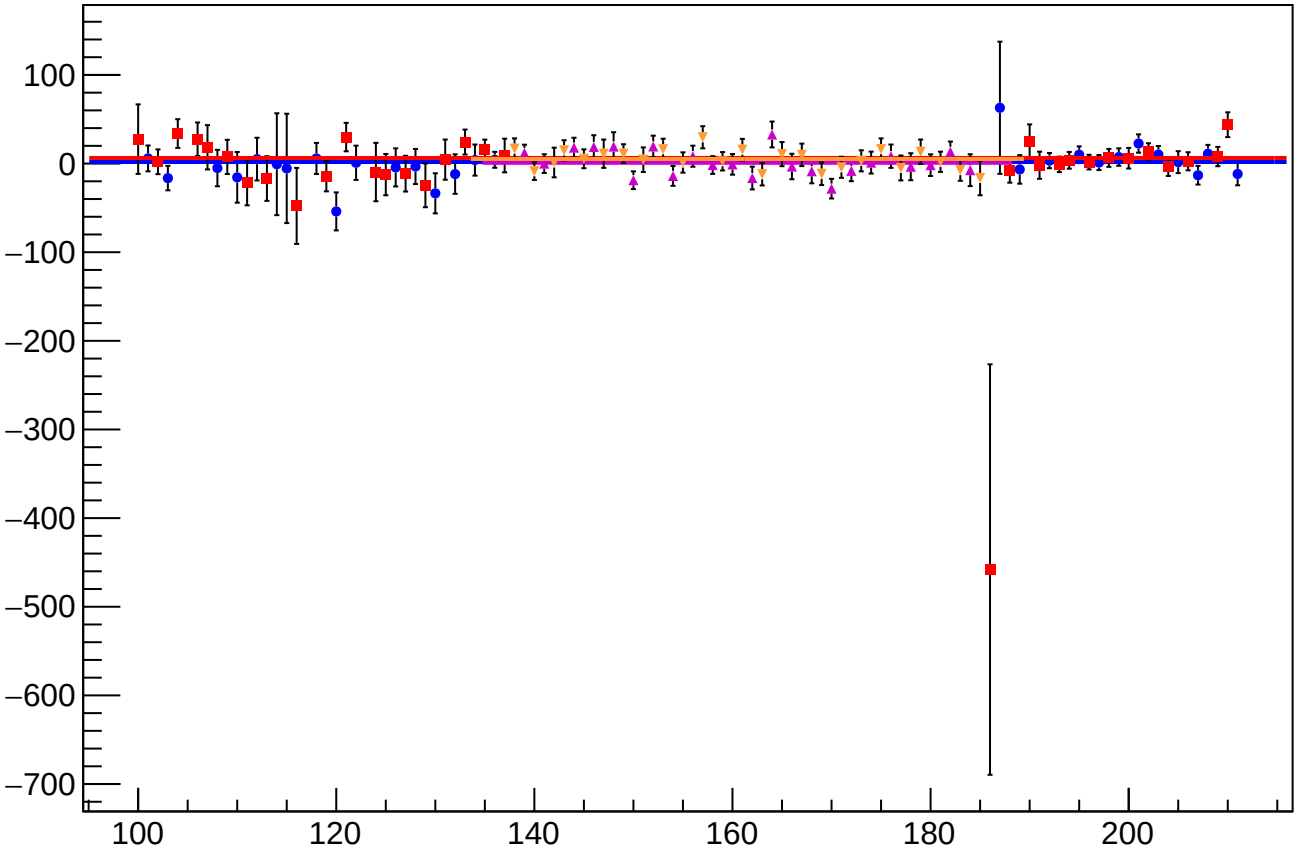
Left In: 7460.824+/-1.239 χ^2/NDF:284034.9/22

+ sign 8571.427+/-1.083 χ^2/NDF: 8836849.9/52

All: 8703.575+/-0.778 χ^2/NDF: 19052127.4/1

- sign 8844.665+/-1.119 χ^2/NDF: 10184504.1/55

diff_bpm4aesumY_mean vs Slug



Right In: 1.769+/-2.554 χ^2/NDF: 23.1/27

Left Out: 5.178+/-2.459 χ^2/NDF:18.4/24

Right Out: 6.330+/-2.472 χ^2/NDF: 33.6/32

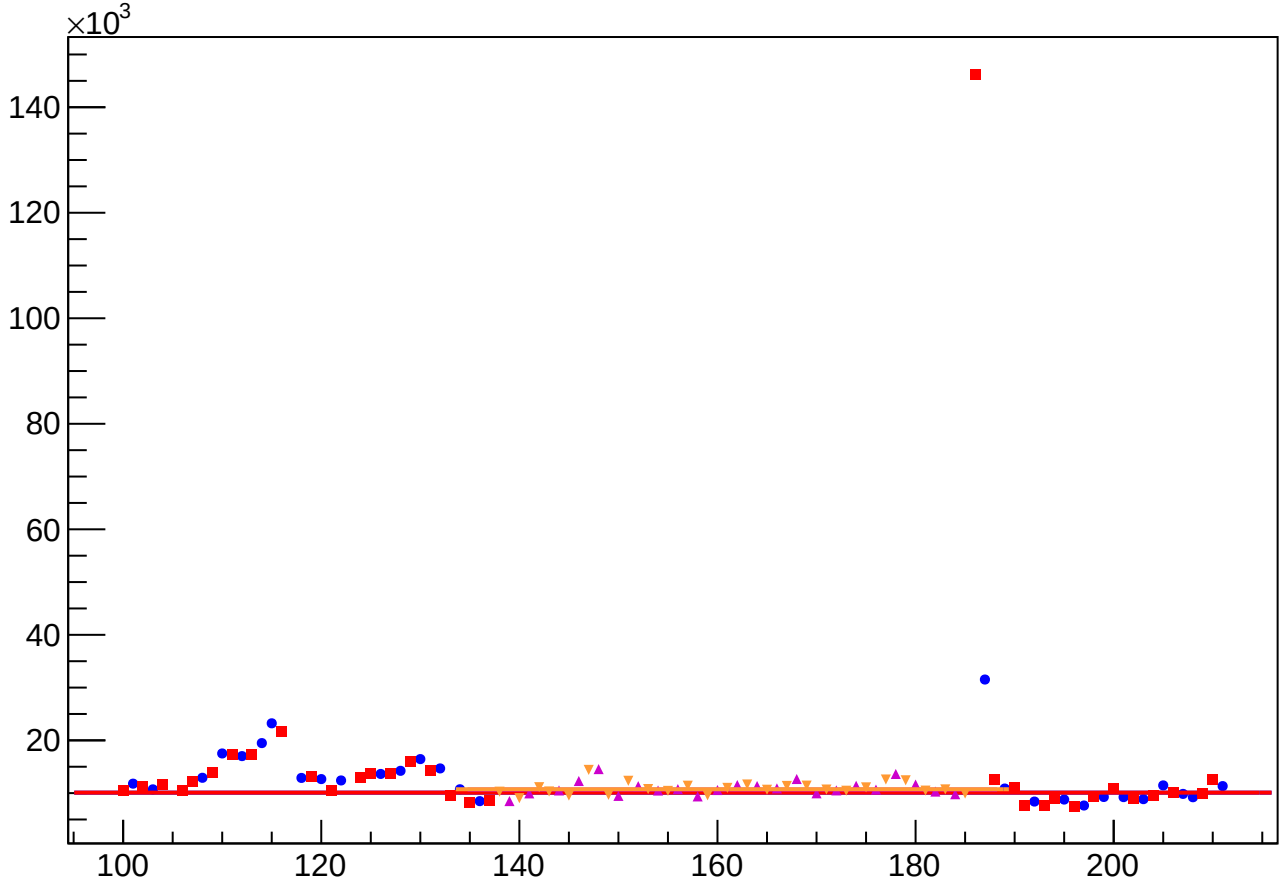
Left In: 0.891+/-2.519 χ^2/NDF:31.8/22

\+ sign 3.538+/-1.771 χ^2/NDF: 42.4/52

All: 3.600+/-1.250 χ^2/NDF: 110.2/108

\- sign 3.661+/-1.764 χ^2/NDF: 67.8/55

diff_bpm4aesumY_rms vs Slug



Right In: 10082.759+/-1.806 χ^2/NDF: 1644413.4/27

Left Out: 10733.733+/-1.739 χ^2/NDF:368279.7/24

Right Out: 10090.839+/-1.748 χ^2/NDF: 2359742.3/32

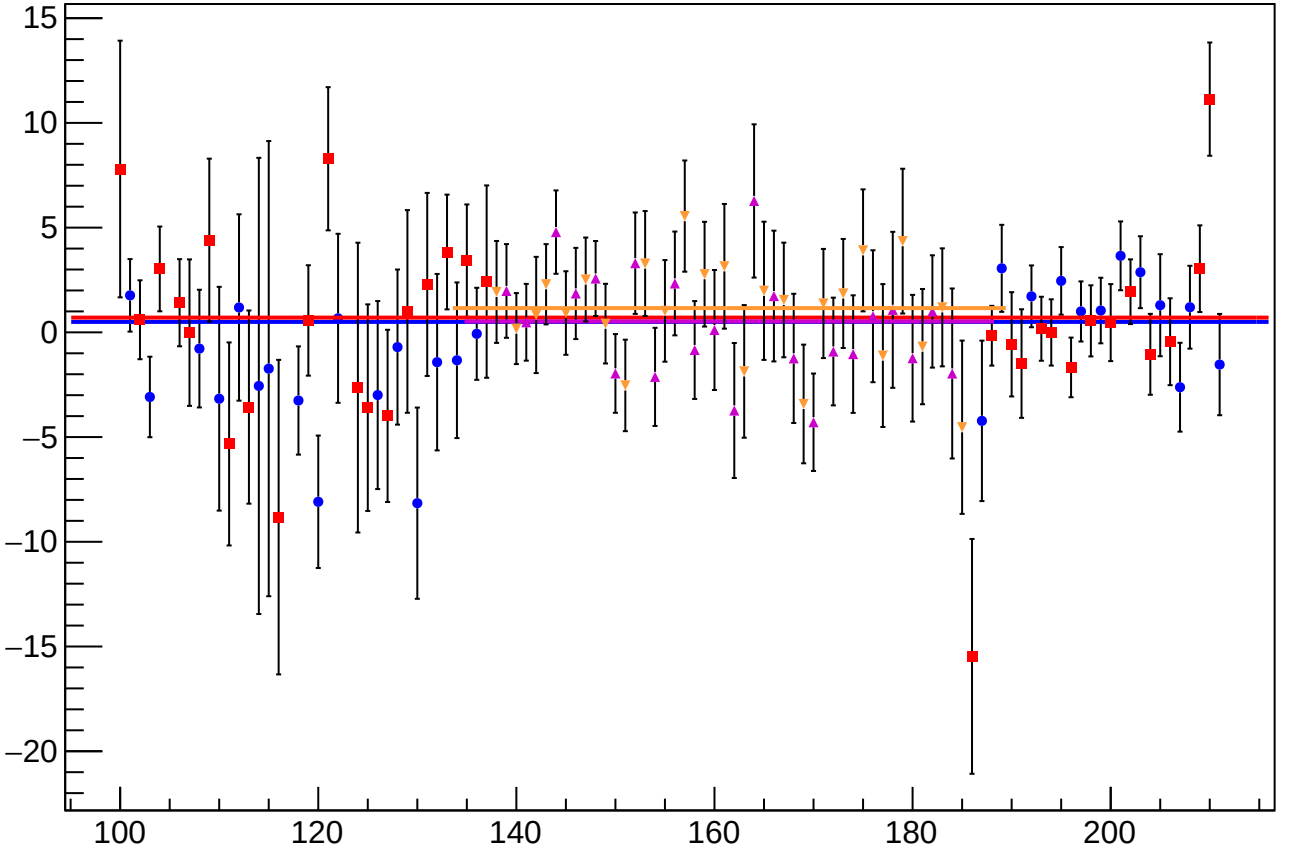
Left In: 10677.154+/-1.781 χ^2/NDF:500574.4/22

+ sign 10420.635+/-1.253 χ^2/NDF: 2080117.2/52

All: 10399.529+/-0.884 χ^2/NDF: 4996195.5/1

- sign 10378.591+/-1.248 χ^2/NDF: 2915512.8/55

diff_bpm4aediffY_mean vs Slug



Right In: 0.498+/-0.438 χ^2/NDF: 33.3/27

Left Out: 1.158+/-0.500 χ^2/NDF:16.8/24

Right Out: 0.704+/-0.412 χ^2/NDF: 48.3/32

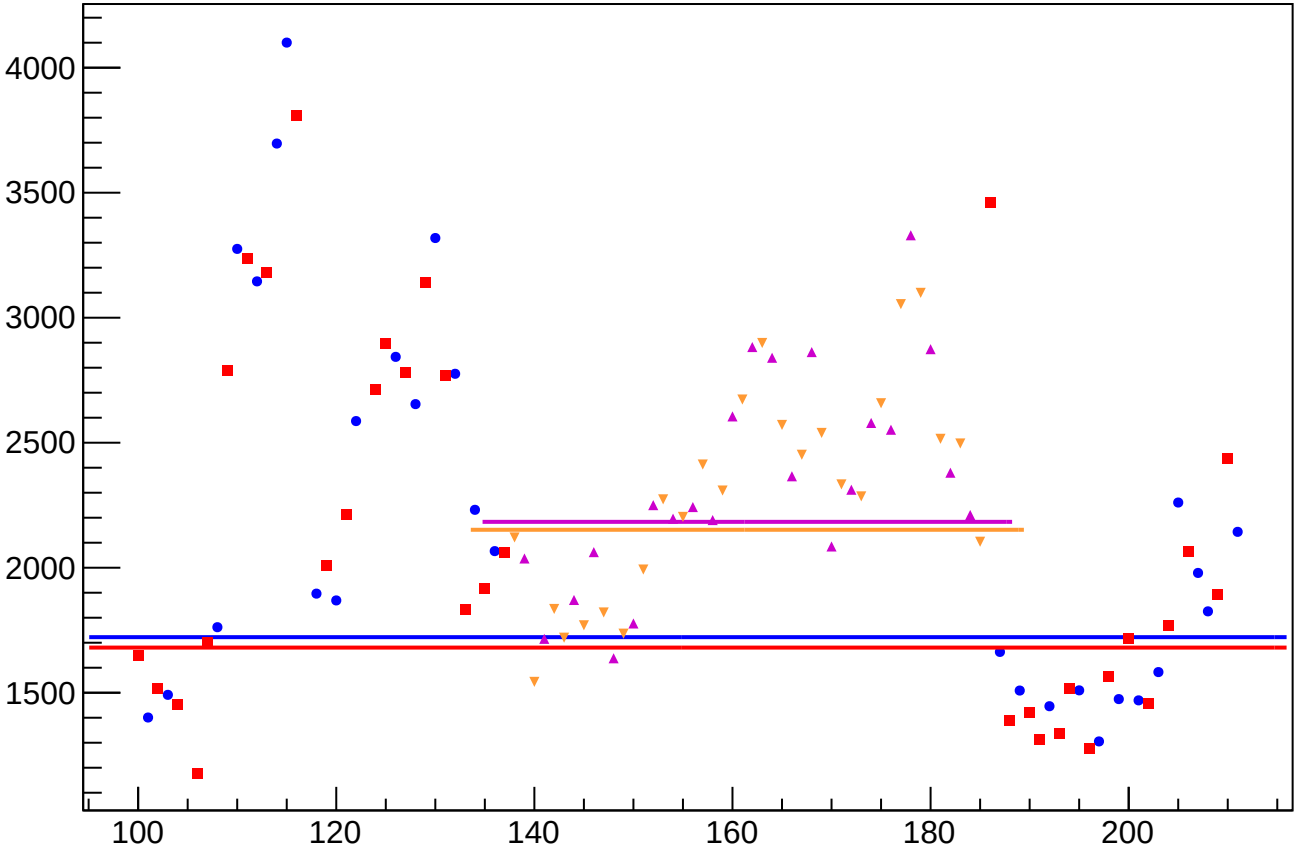
Left In: 0.522+/-0.520 χ^2/NDF:22.3/22

+ sign 0.784+/-0.329 χ^2/NDF: 51.1/52

All: 0.708+/-0.231 χ^2/NDF: 121.9/108

- sign 0.634+/-0.323 χ^2/NDF: 70.7/55

diff_bpm4aediffY_rms vs Slug



Right In: 1722.254+/-0.310 χ^2/NDF: 2045579.2/27

Left Out: 2151.757+/-0.354 χ^2/NDF:1349537.9/24

Right Out: 1680.576+/-0.291 χ^2/NDF: 2560815.7/32

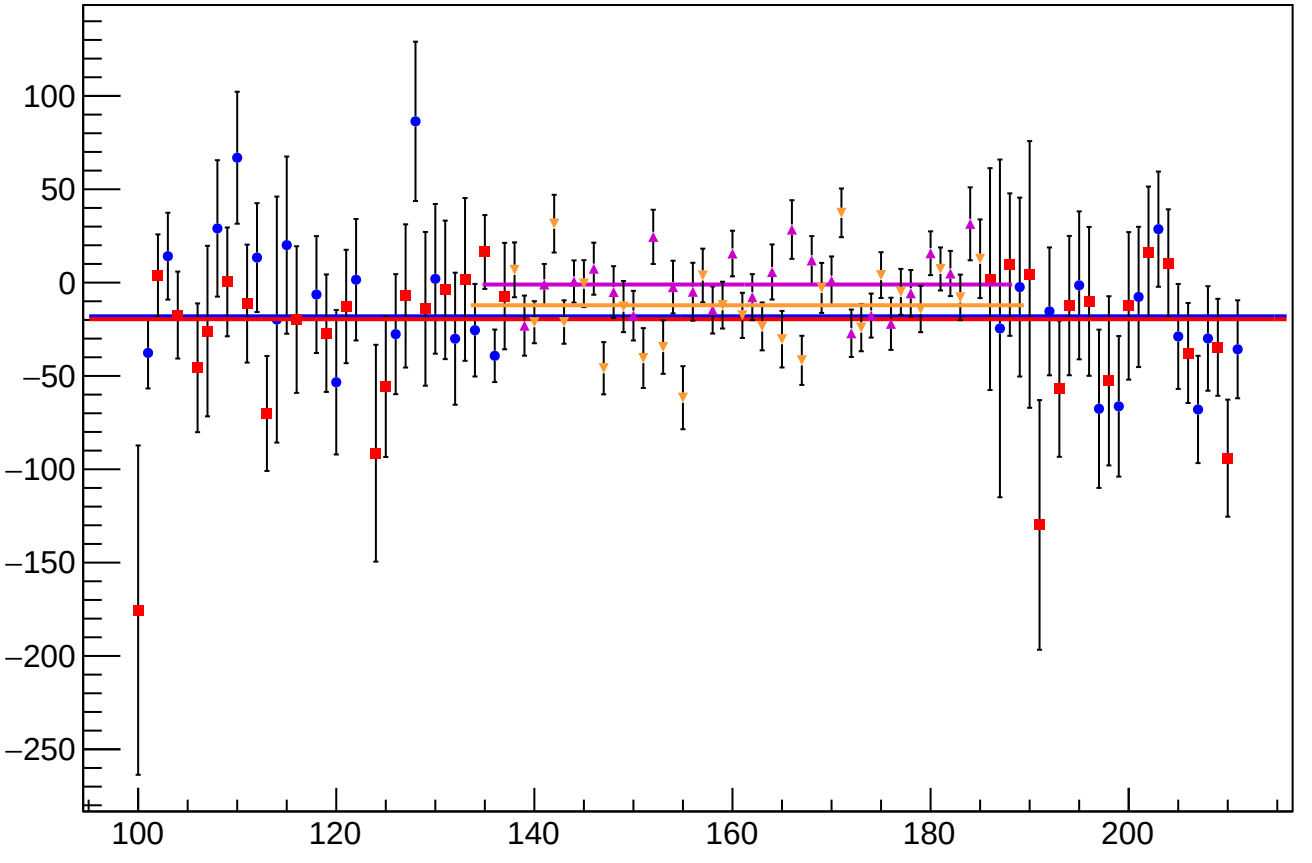
Left In: 2183.482+/-0.368 χ^2/NDF:1162266.2/22

+ sign 1908.635+/-0.233 χ^2/NDF: 4230038.6/52

All: 1891.269+/-0.163 χ^2/NDF: 9113609.9/10

- sign 1874.589+/-0.228 χ^2/NDF: 4872677.3/55

diff_bpmtargetsumX_mean vs Slug



Right In: -18.061+/-5.723 χ^2/NDF: 31.8/27

Left Out: -12.135+/-2.661 χ^2/NDF:62.6/24

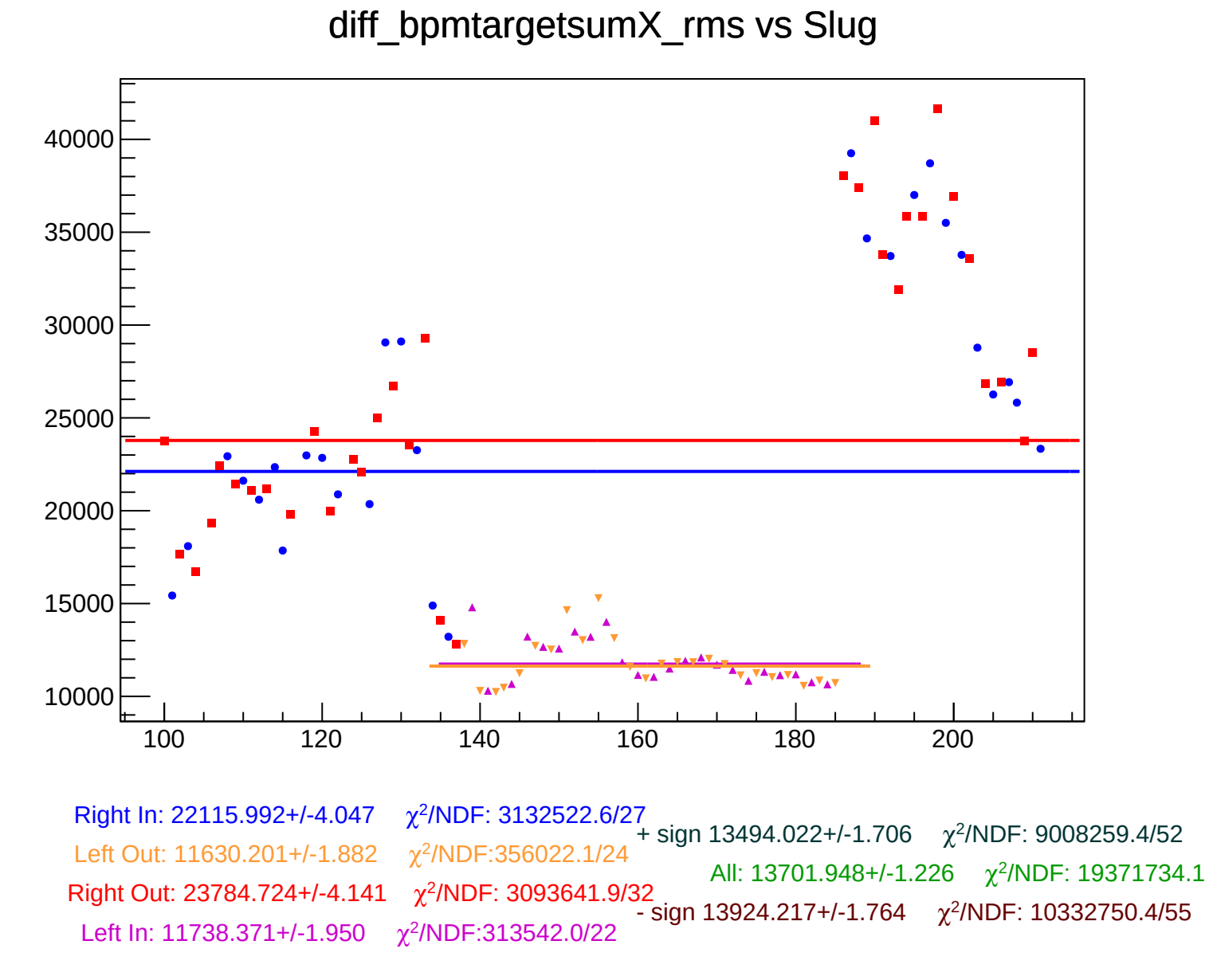
Right Out: -19.610+/-5.857 χ^2/NDF: 28.4/32

Left In: -1.024+/-2.758 χ^2/NDF:28.8/22

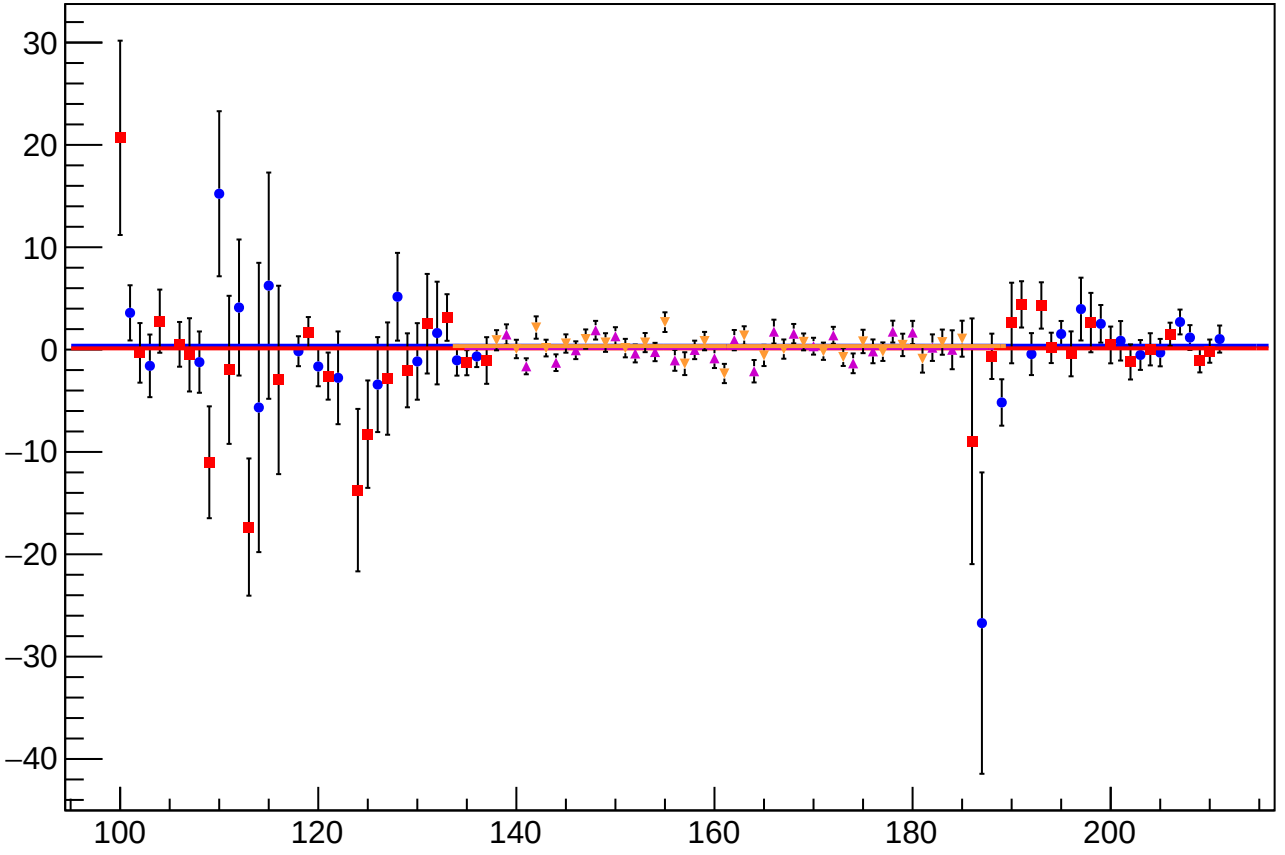
+ sign -13.188+/-2.413 χ^2/NDF: 95.3/52

All: -8.939+/-1.734 χ^2/NDF: 167.2/108

- sign -4.396+/-2.495 χ^2/NDF: 65.5/55


diff_bpmtargetsumX_rms vs Slug
40000
35000
30000
25000
20000
15000
10000
100
120
140
160
180
200
Right In: 22115.992+/-4.047 χ²/NDF: 3132522.6/27
Left Out: 11630.201+/-1.882 χ²/NDF:356022.1/24
Right Out: 23784.724+/-4.141 χ²/NDF: 3093641.9/32
Left In: 11738.371+/-1.950 χ²/NDF:313542.0/22
+ sign 13494.022+/-1.706 χ²/NDF: 9008259.4/52
All: 13701.948+/-1.226 χ²/NDF: 19371734.1
- sign 13924.217+/-1.764 χ²/NDF: 10332750.4/55

diff_bpmtargetdiffX_mean vs Slug



Right In: 0.377+/-0.366 χ^2/NDF: 30.2/27

Left Out: 0.343+/-0.194 χ^2/NDF:26.8/24

Right Out: 0.119+/-0.371 χ^2/NDF: 40.9/32

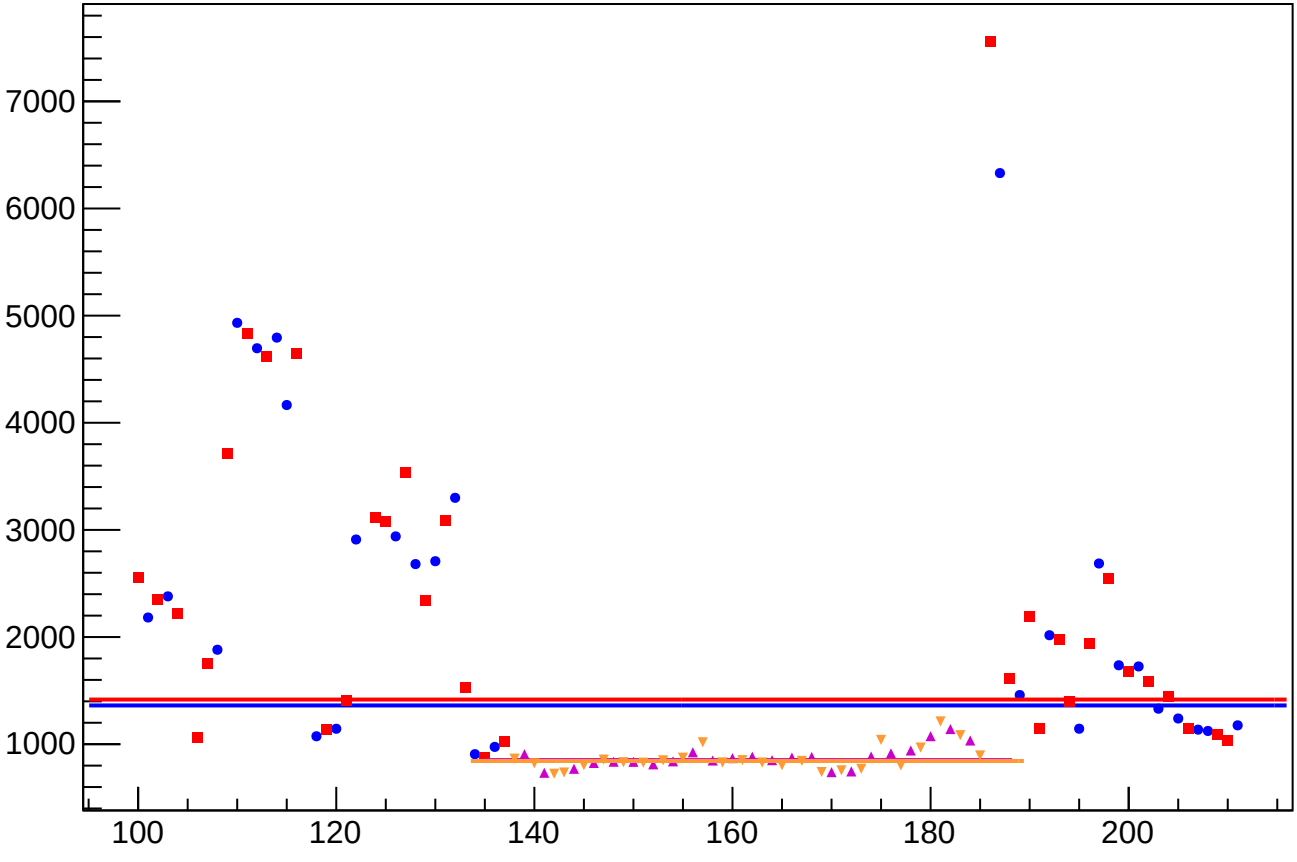
Left In: 0.165+/-0.201 χ^2/NDF:36.3/22

+ sign 0.350+/-0.171 χ^2/NDF: 56.9/52

All: 0.256+/-0.123 χ^2/NDF: 134.9/108

- sign 0.155+/-0.177 χ^2/NDF: 77.3/55

diff_bpmtargetdiffX_rms vs Slug



Right In: 1361.581+/-0.259 χ^2/NDF: 4611111.3/27

Left Out: 843.266+/-0.137 χ^2/NDF:505106.4/24

Right Out: 1416.549+/-0.263 χ^2/NDF: 5169651.1/32

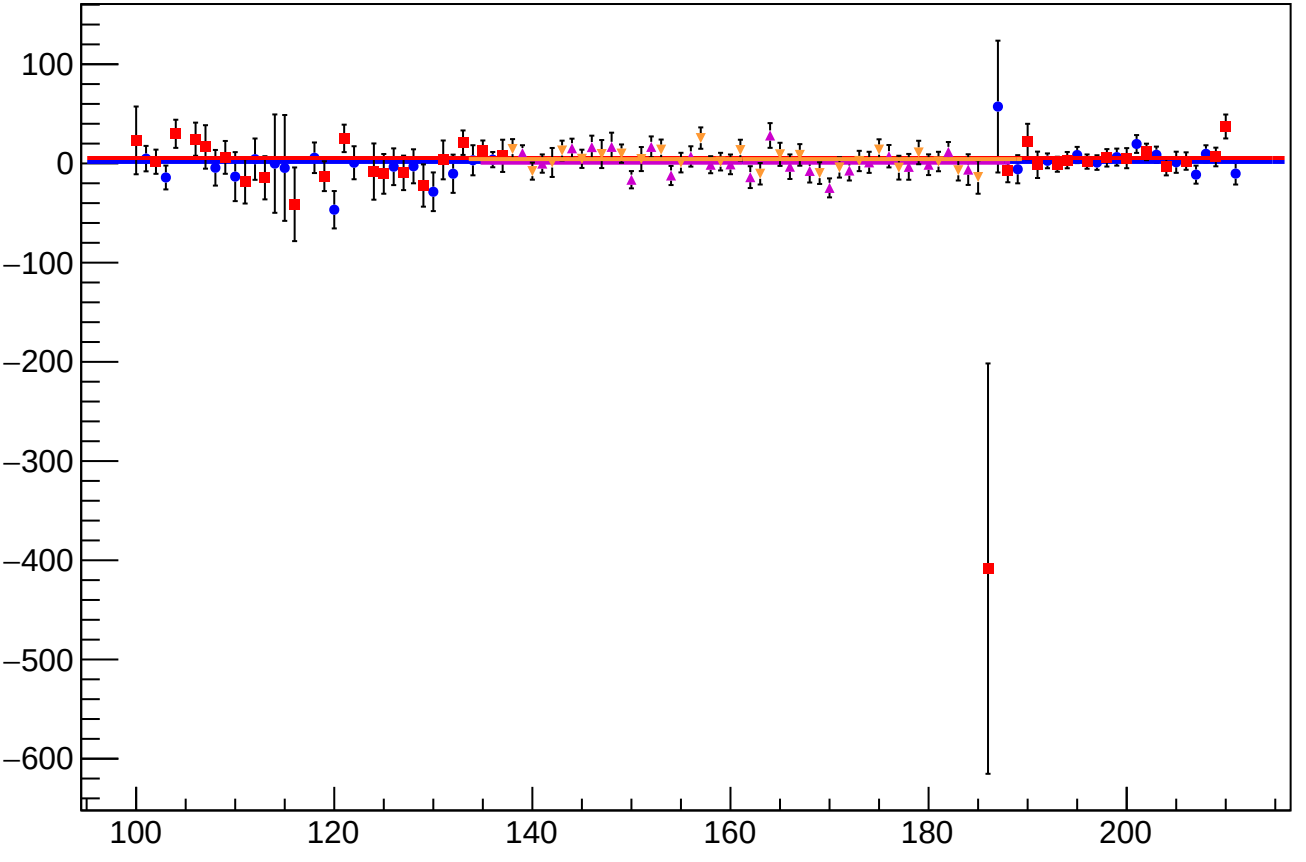
Left In: 851.618+/-0.142 χ^2/NDF:382555.6/22

+ sign 956.634+/-0.121 χ^2/NDF: 8246562.8/52

All: 967.690+/-0.087 χ^2/NDF: 17395838.1/10

- sign 979.457+/-0.125 χ^2/NDF: 9132068.7/55

diff_bpmtargetsumY_mean vs Slug



Right In: 1.511+/-2.214 χ^2/NDF: 22.8/27

Left Out: 4.383+/-2.122 χ^2/NDF:18.6/24

Right Out: 5.486+/-2.146 χ^2/NDF: 33.3/32

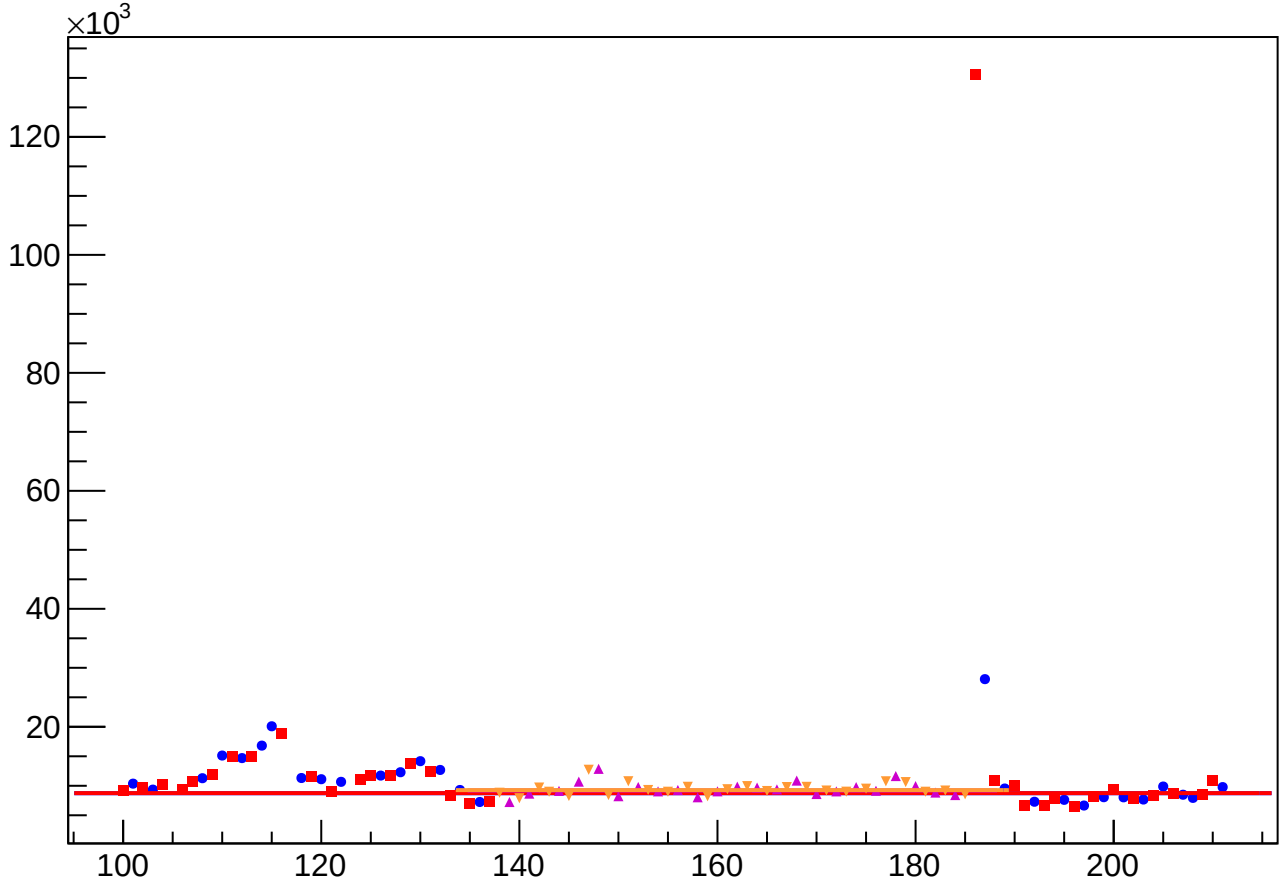
Left In: 0.734+/-2.171 χ^2/NDF:32.0/22

+ sign 3.008+/-1.532 χ^2/NDF: 42.2/52

All: 3.073+/-1.081 χ^2/NDF: 109.9/108

- sign 3.137+/-1.526 χ^2/NDF: 67.7/55

diff_bpmtargetsumY_rms vs Slug



Right In: 8736.634+/-1.565 χ^2/NDF: 1653886.3/27

Left Out: 9261.542+/-1.500 χ^2/NDF:366072.4/24

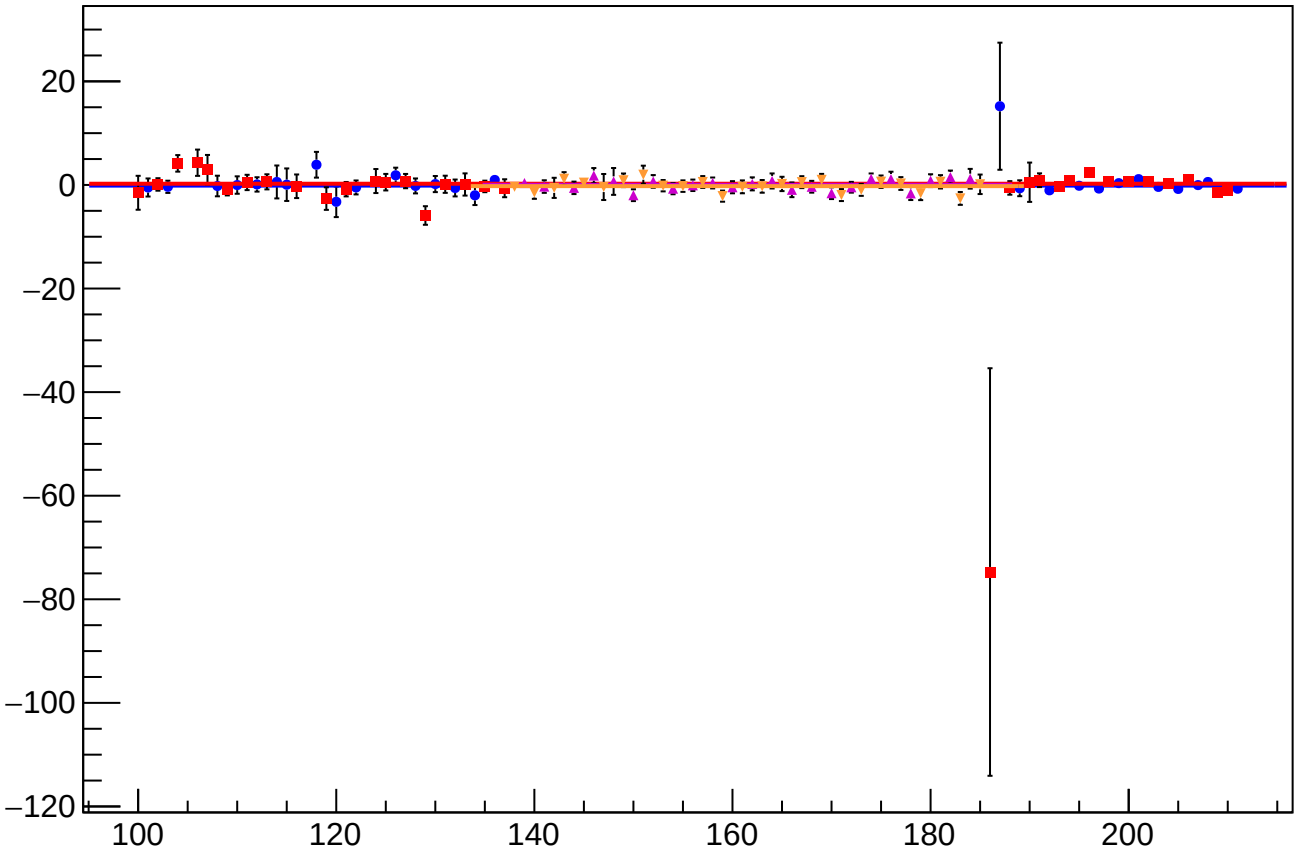
Right Out: 8755.514+/-1.517 χ^2/NDF: 2362373.2/32

Left In: 9199.542+/-1.535 χ^2/NDF:515496.8/22

+ sign 9010.256+/-1.083 χ^2/NDF: 2078564.2/52

All: 8992.564+/-0.764 χ^2/NDF: 4999288.2/10

- sign 8975.003+/-1.079 χ^2/NDF: 2920192.5/55



Right In: -0.125+/-0.194 χ^2/NDF: 17.7/27

Left Out: -0.229+/-0.243 χ^2/NDF:19.0/24

Right Out: 0.233+/-0.193 χ^2/NDF: 50.1/32

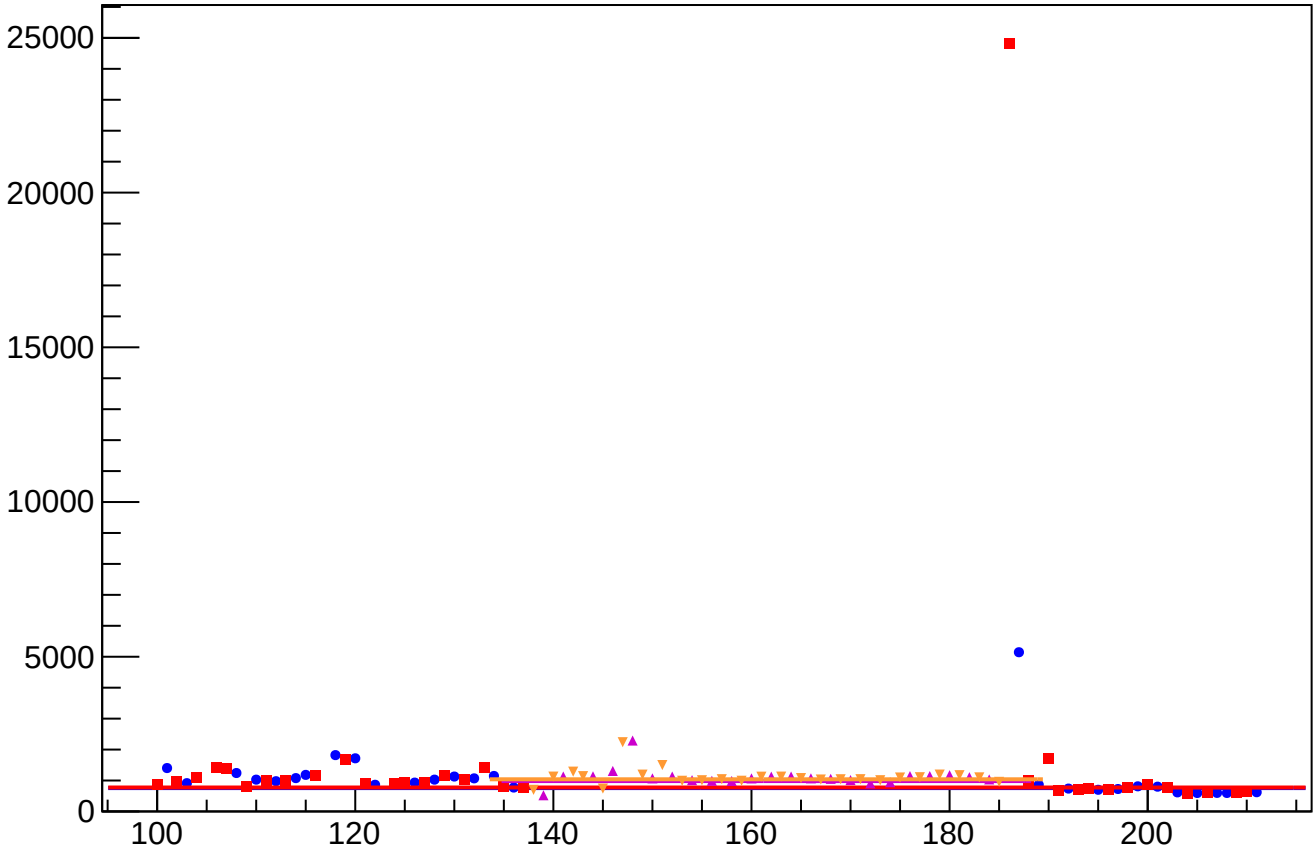
Left In: 0.025+/-0.239 χ^2/NDF:15.2/22

+ sign -0.166+/-0.152 χ^2/NDF: 36.8/52

All: -0.006+/-0.107 χ^2/NDF: 104.7/108

- sign 0.151+/-0.150 χ^2/NDF: 65.8/55

diff_bpmtargetdiffY_rms vs Slug



Right In: 755.341+/-0.137 χ^2/NDF: 2378956.2/27

Left Out: 1039.424+/-0.172 χ^2/NDF:1339748.9/24

Right Out: 774.048+/-0.136 χ^2/NDF: 2739441.4/32

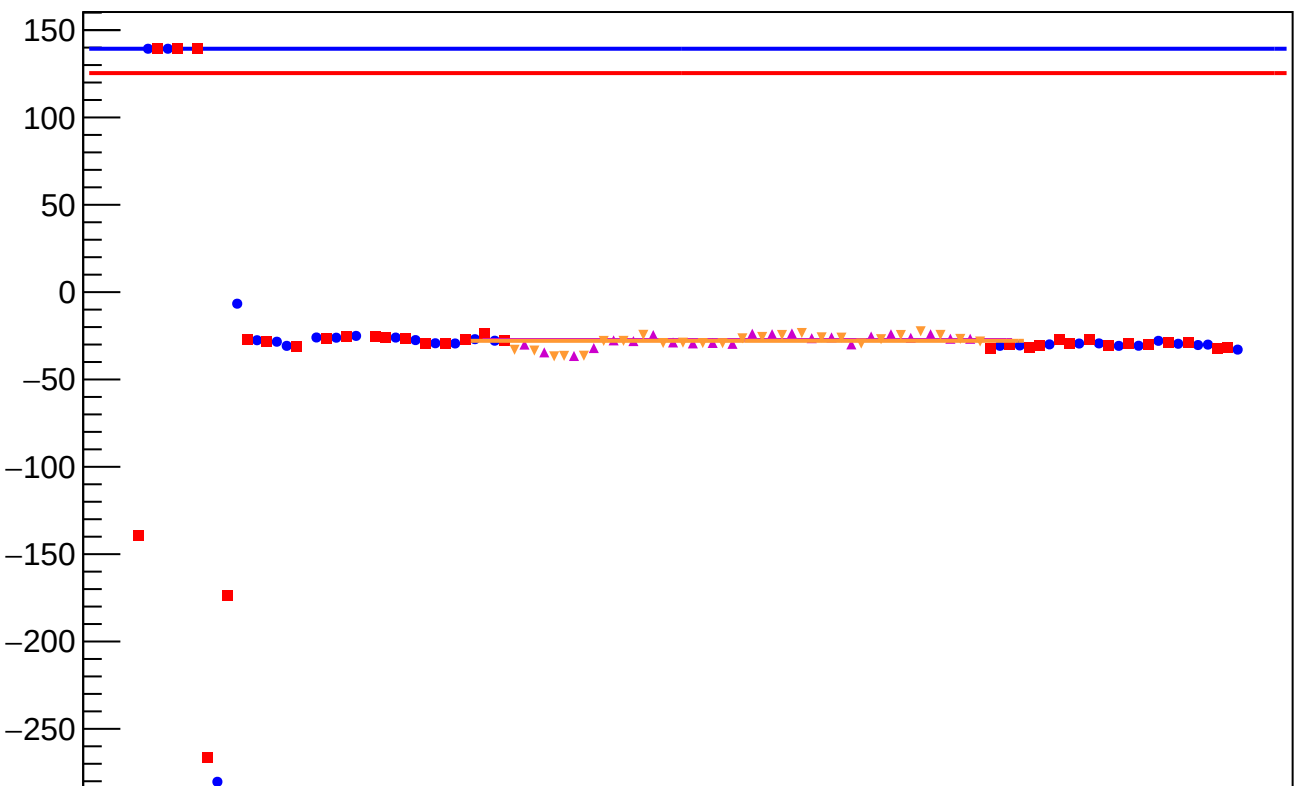
Left In: 981.677+/-0.169 χ^2/NDF:2225094.5/22

+ sign 866.001+/-0.107 χ^2/NDF: 5381740.9/52

All: 860.917+/-0.076 χ^2/NDF: 11263949.0/10

- sign 855.949+/-0.106 χ^2/NDF: 5877779.4/55

yield_cav4bX_mean vs Slug



Right In: 139.336+/-0.000 χ^2/NDF: 62895589746.4/27

Left Out: -27.865+/-0.000 χ^2/NDF:181586557.6/24

Right Out: 125.391+/-0.000 χ^2/NDF: 774187828735267.0/32

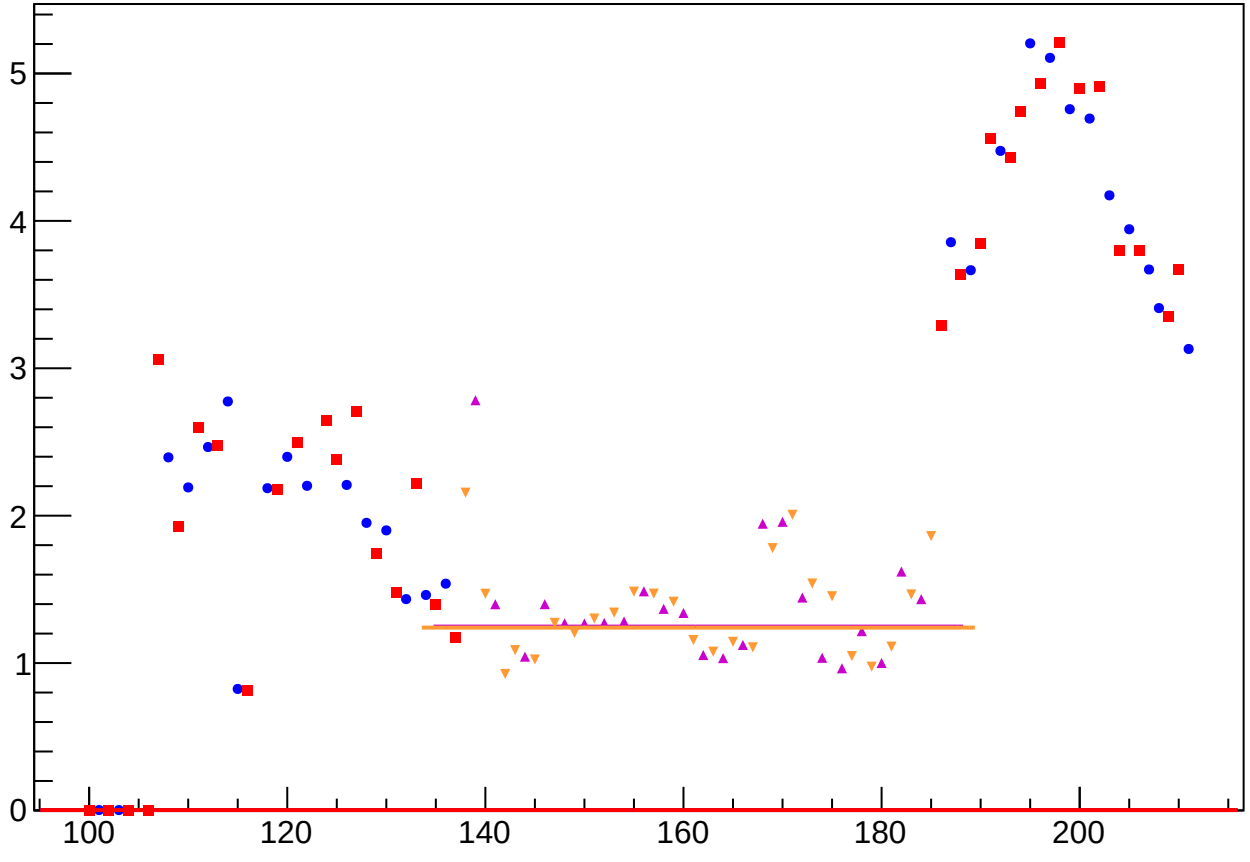
Left In: -27.427+/-0.000 χ^2/NDF:123181562.3/22

+ sign 139.327+/-0.000 χ^2/NDF: 337437723443.3/5

All: 131.810+/-0.000 χ^2/NDF: 79351779857

- sign 125.385+/-0.000 χ^2/NDF: 774401481135467

yield_cav4bX_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 27742949.9/27

Left Out: 1.241+/-0.000 χ^2/NDF:1221248.2/24

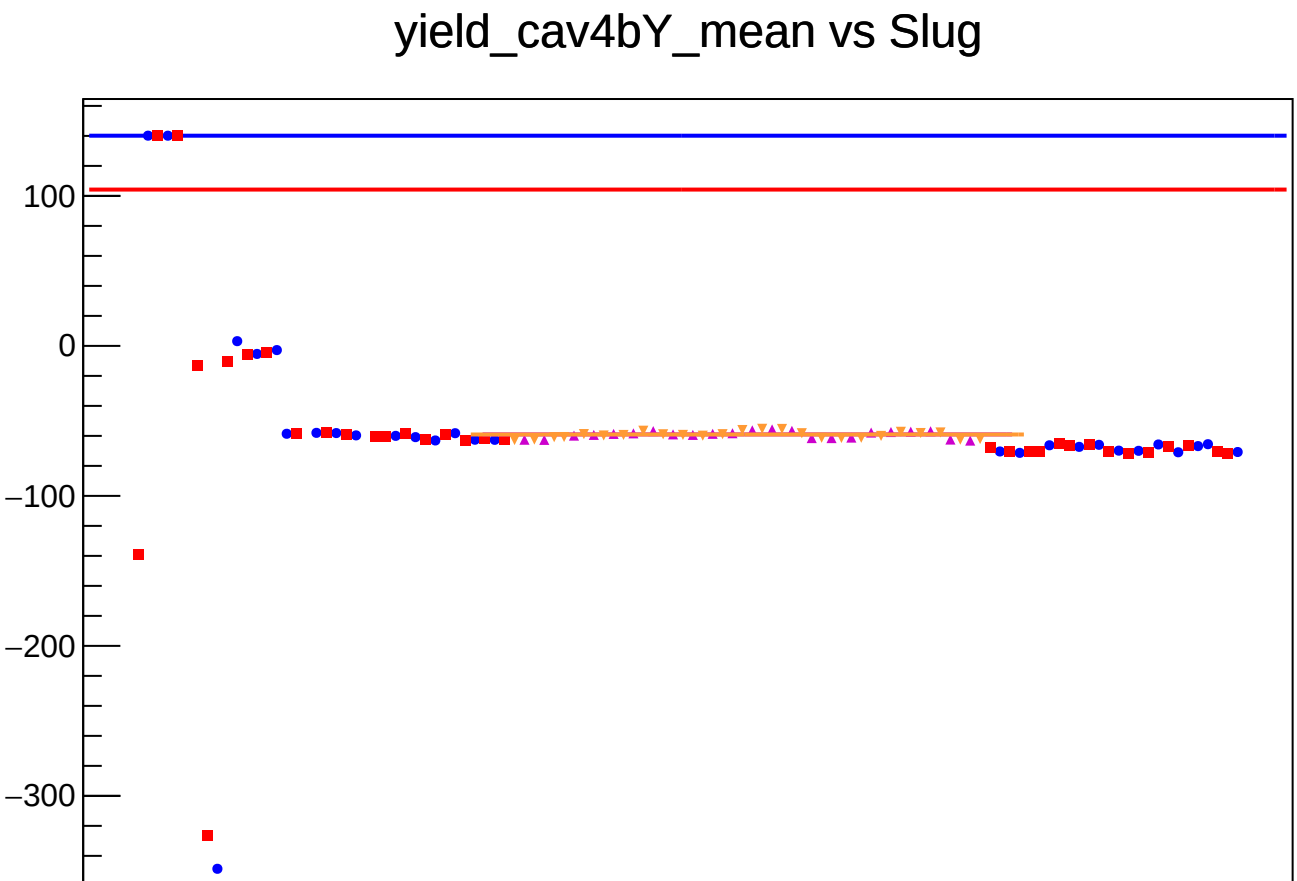
Right Out: 0.003+/-0.000 χ^2/NDF: 30316351.7/32

Left In: 1.247+/-0.000 χ^2/NDF:1436411.6/22

+ sign 0.003+/-0.000 χ^2/NDF: 59041007.1/52

All: 0.003+/-0.000 χ^2/NDF: 119124587.5/108

- sign 0.003+/-0.000 χ^2/NDF: 60083191.9/55



Right In: 140.135+/-0.000 χ^2/NDF: 491734145188.3/27

Left Out: -59.066+/-0.000 χ^2/NDF:177511074.0/24

Right Out: 104.218+/-0.000 χ^2/NDF: 1257631489061769.5/32

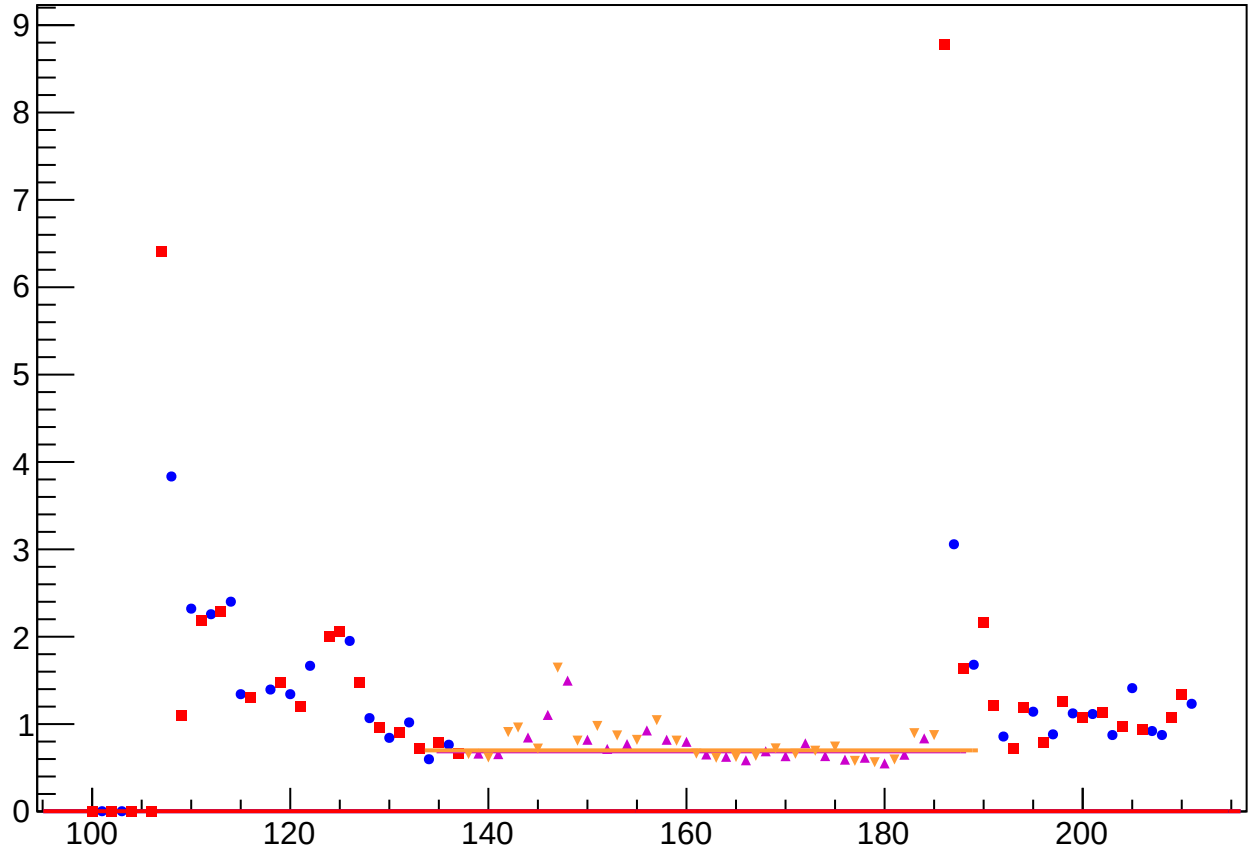
Left In: -59.020+/-0.000 χ^2/NDF:179236820.4/22

+ sign 140.099+/-0.000 χ^2/NDF: 1788818019643.0

All: 120.794+/-0.000 χ^2/NDF: 13835200284

- sign 104.192+/-0.000 χ^2/NDF: 125848848635209

yield_cav4bY_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 25547650.4/27

Left Out: 0.699+/-0.000 χ^2/NDF:1357196.3/24

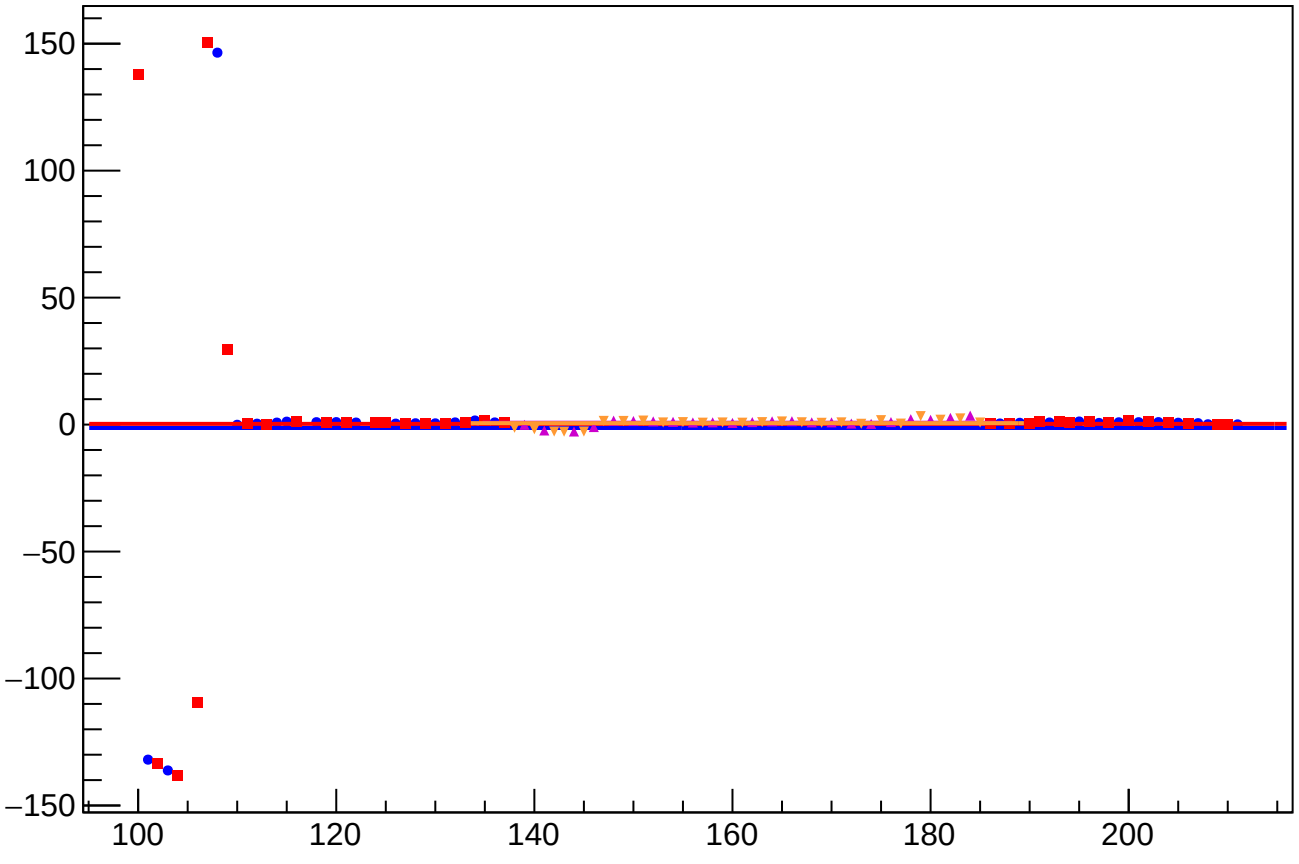
Right Out: 0.003+/-0.000 χ^2/NDF: 28104236.6/32

Left In: 0.688+/-0.000 χ^2/NDF:1107767.8/22

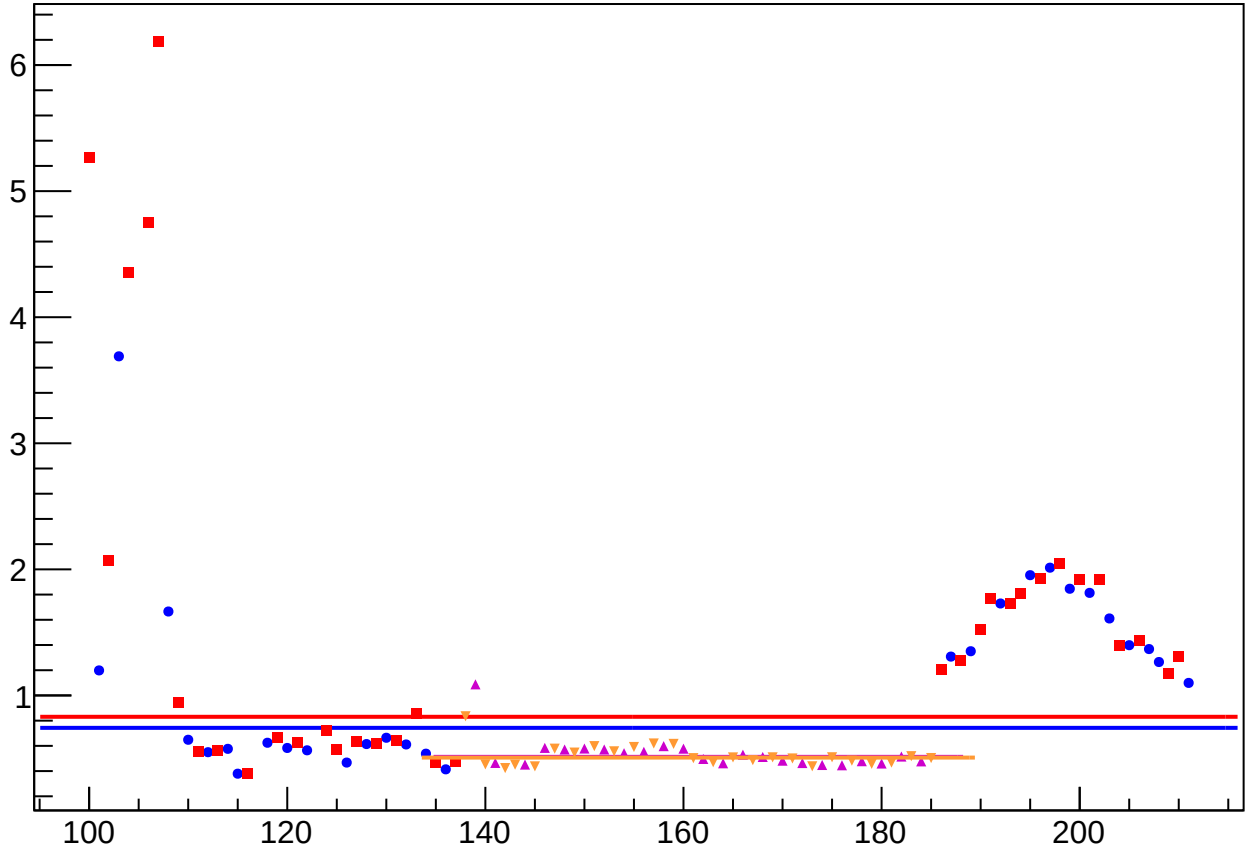
+ sign 0.003+/-0.000 χ^2/NDF: 58598384.9/52

All: 0.003+/-0.000 χ^2/NDF: 118010401.6/108

- sign 0.003+/-0.000 χ^2/NDF: 59411418.8/55


yield_cav4cX_mean vs Slug
150
100
50
0
−50
−100
−150
100
120
140
160
180
200
Right In: -1.341+/-0.000 χ²/NDF: 9906192320.8/27
Left Out: 0.575+/-0.000 χ²/NDF:154364809.1/24
Right Out: 0.285+/-0.000 χ²/NDF: 3612966106.5/32
Left In: 0.732+/-0.000 χ²/NDF:105135095.8/22
+ sign 0.099+/-0.000 χ²/NDF: 10116043872.4/52
All: 0.349+/-0.000 χ²/NDF: 13847513046.0/1
- sign 0.624+/-0.000 χ²/NDF: 3720806476.6/55

yield_cav4cX_rms vs Slug



Right In: 0.743+/-0.000 χ^2/NDF: 7709518.8/27

Left Out: 0.507+/-0.000 χ^2/NDF:554639.8/24

Right Out: 0.831+/-0.000 χ^2/NDF: 8491490.0/32

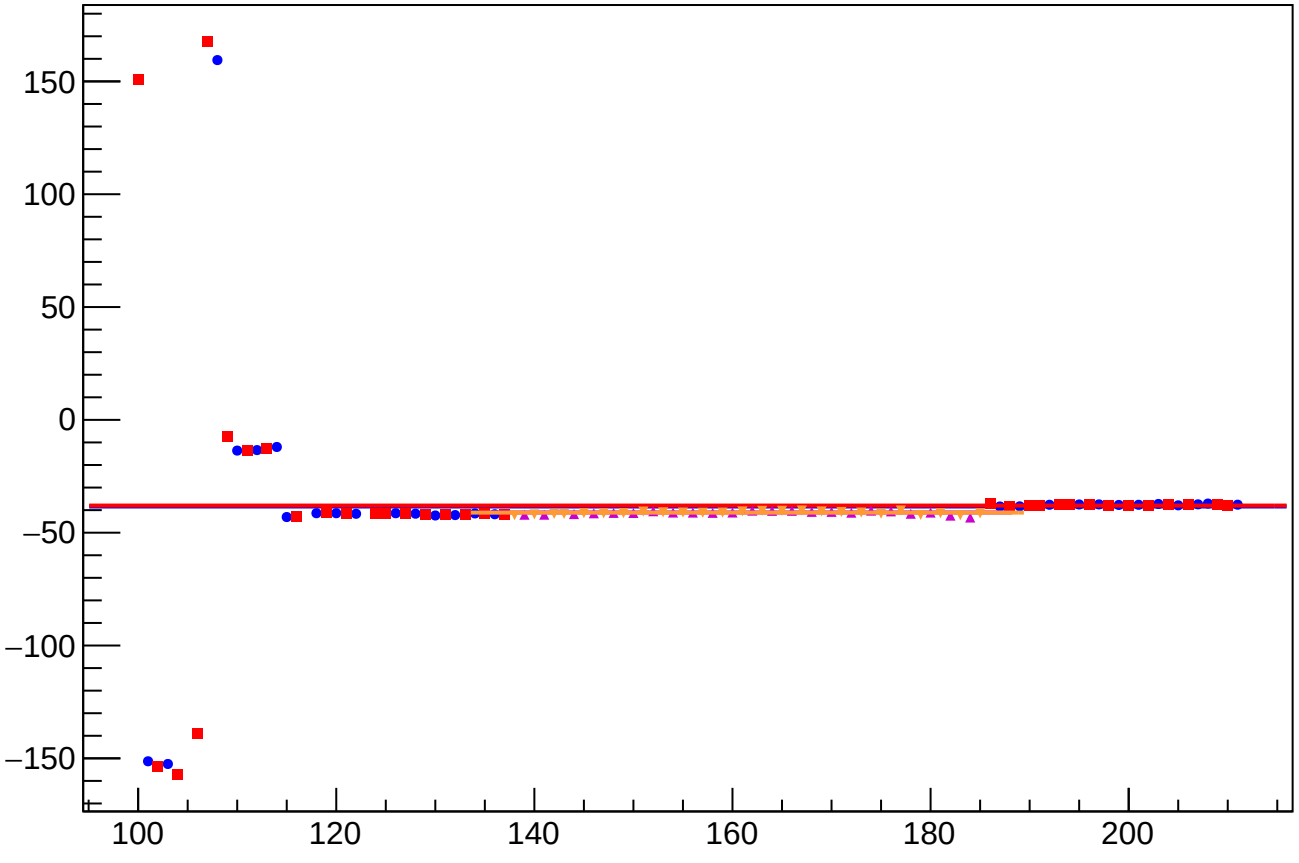
Left In: 0.513+/-0.000 χ^2/NDF:753419.6/22

+ sign 0.566+/-0.000 χ^2/NDF: 9946362.5/52

All: 0.577+/-0.000 χ^2/NDF: 21962933.5/108

- sign 0.589+/-0.000 χ^2/NDF: 11972851.1/55

yield_cav4cY_mean vs Slug



Right In: -38.387+/-0.000 χ^2/NDF: 3619288855.6/27

Left Out: -41.092+/-0.000 χ^2/NDF:60251030.2/24

Right Out: -37.974+/-0.000 χ^2/NDF: 2514481779.9/32

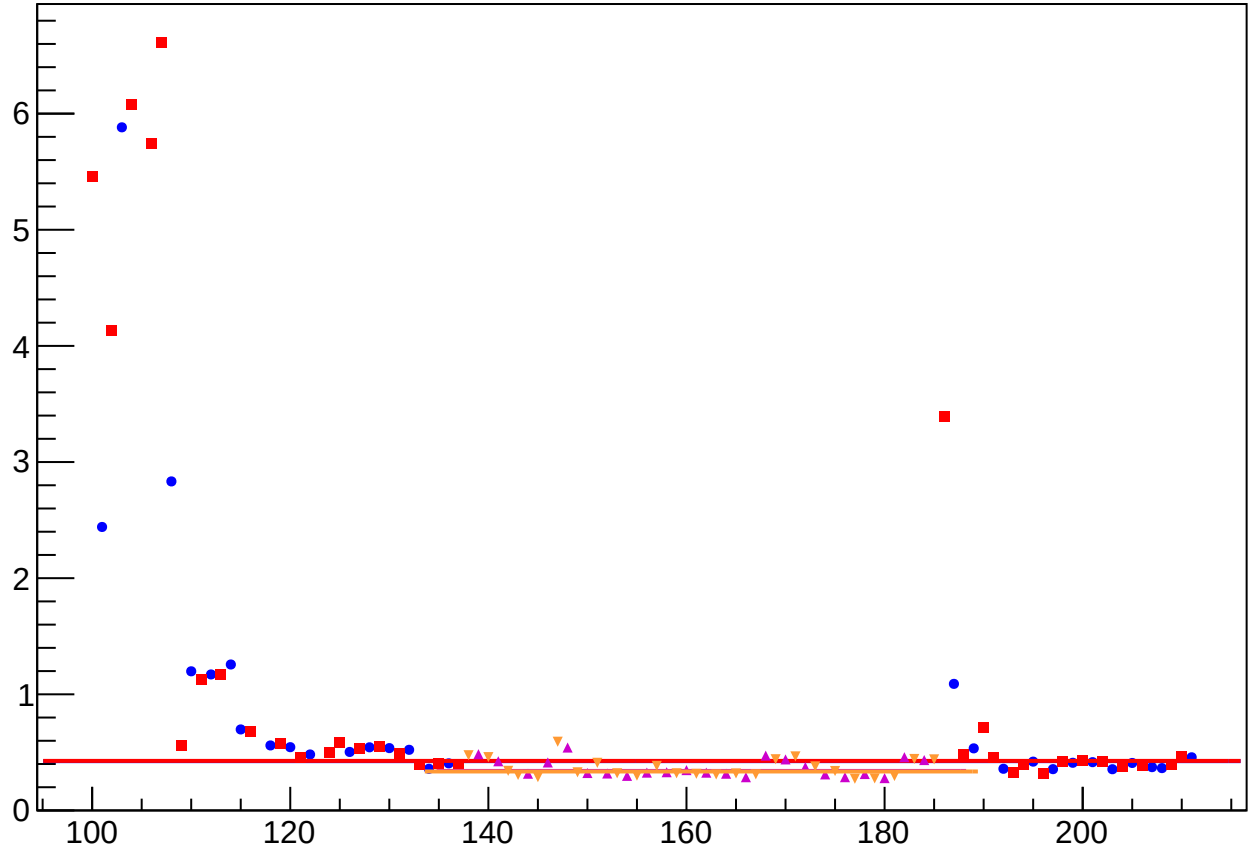
Left In: -41.029+/-0.000 χ^2/NDF:51382147.2/22

+ sign -40.226+/-0.000 χ^2/NDF: 4048731955.3/52

All: -40.095+/-0.000 χ^2/NDF: 7096792299.1/

- sign -39.960+/-0.000 χ^2/NDF: 3040023090.3/55

yield_cav4cY_rms vs Slug



Right In: 0.425+/-0.000 χ^2/NDF: 3741450.9/27

Left Out: 0.336+/-0.000 χ^2/NDF:1238006.0/24

Right Out: 0.427+/-0.000 χ^2/NDF: 4700058.7/32

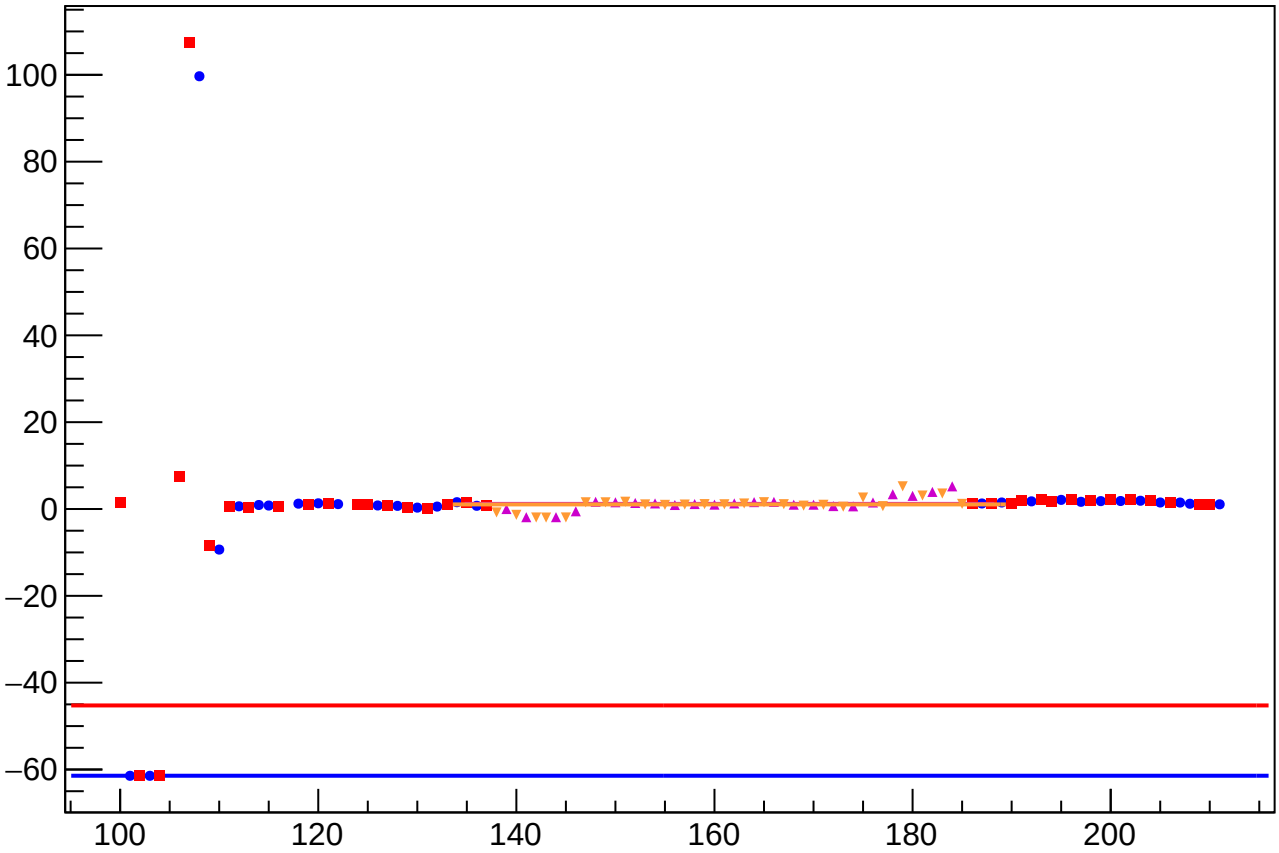
Left In: 0.340+/-0.000 χ^2/NDF:1065343.8/22

+ sign 0.364+/-0.000 χ^2/NDF: 5778330.0/52

All: 0.367+/-0.000 χ^2/NDF: 12312837.2/108

- sign 0.371+/-0.000 χ^2/NDF: 6525300.9/55

yield_cav4dX_mean vs Slug



Right In: -61.435+/-0.000 χ^2/NDF: 294706866064.9/27

Left Out: 1.059+/-0.000 χ^2/NDF:253133917.4/24

Right Out: -45.244+/-0.000 χ^2/NDF: 357883290604601.2/32

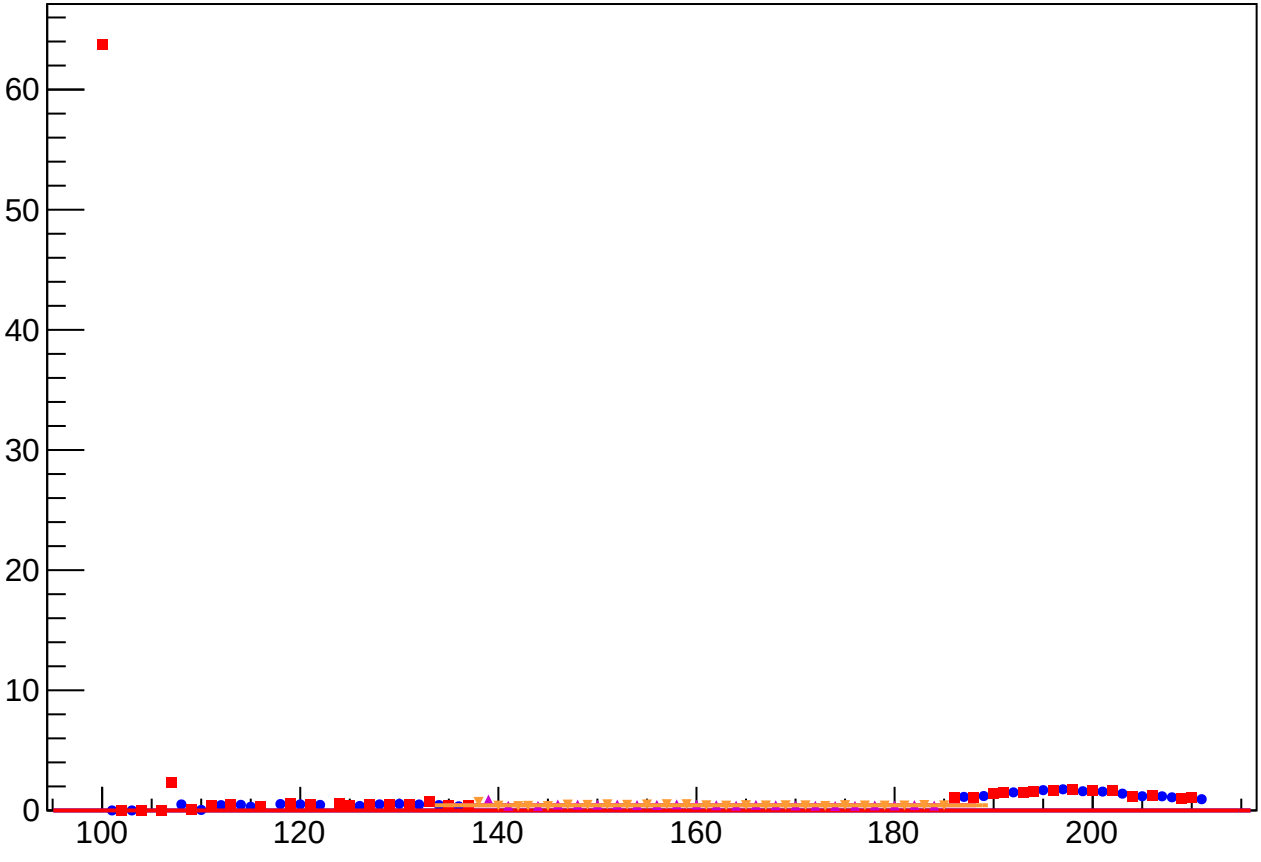
Left In: 1.175+/-0.000 χ^2/NDF:182397676.2/22

+ sign -61.421+/-0.000 χ^2/NDF: 624705708354.6/5

All: -52.737+/-0.000 χ^2/NDF: 409624533748

- sign -45.236+/-0.000 χ^2/NDF: 358049852795378.

yield_cav4dX_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 27318368.7/27

Left Out: 0.432+/-0.000 χ^2/NDF:527546.3/24

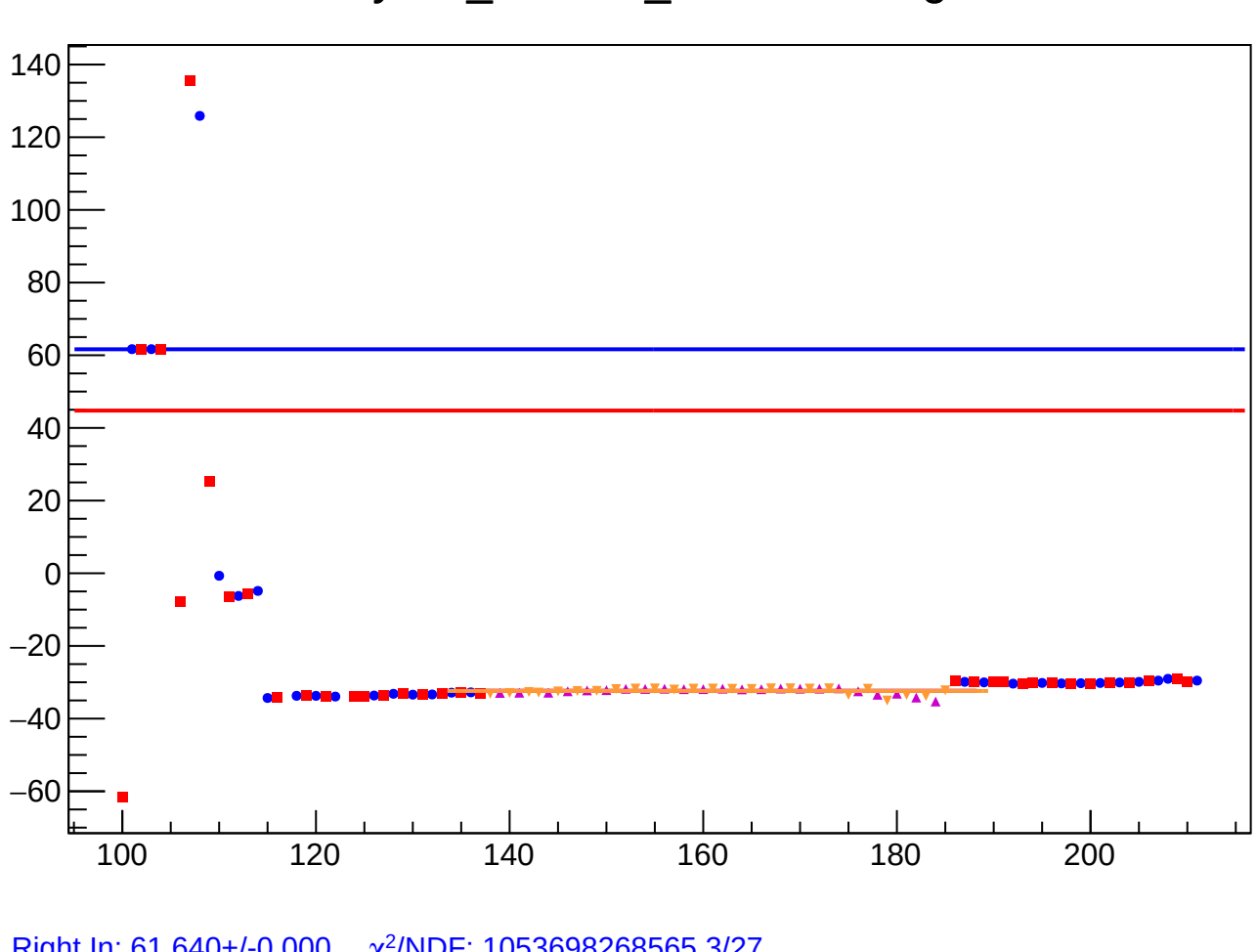
Right Out: 0.001+/-0.000 χ^2/NDF: 29937371.3/32

Left In: 0.438+/-0.000 χ^2/NDF:698702.2/22

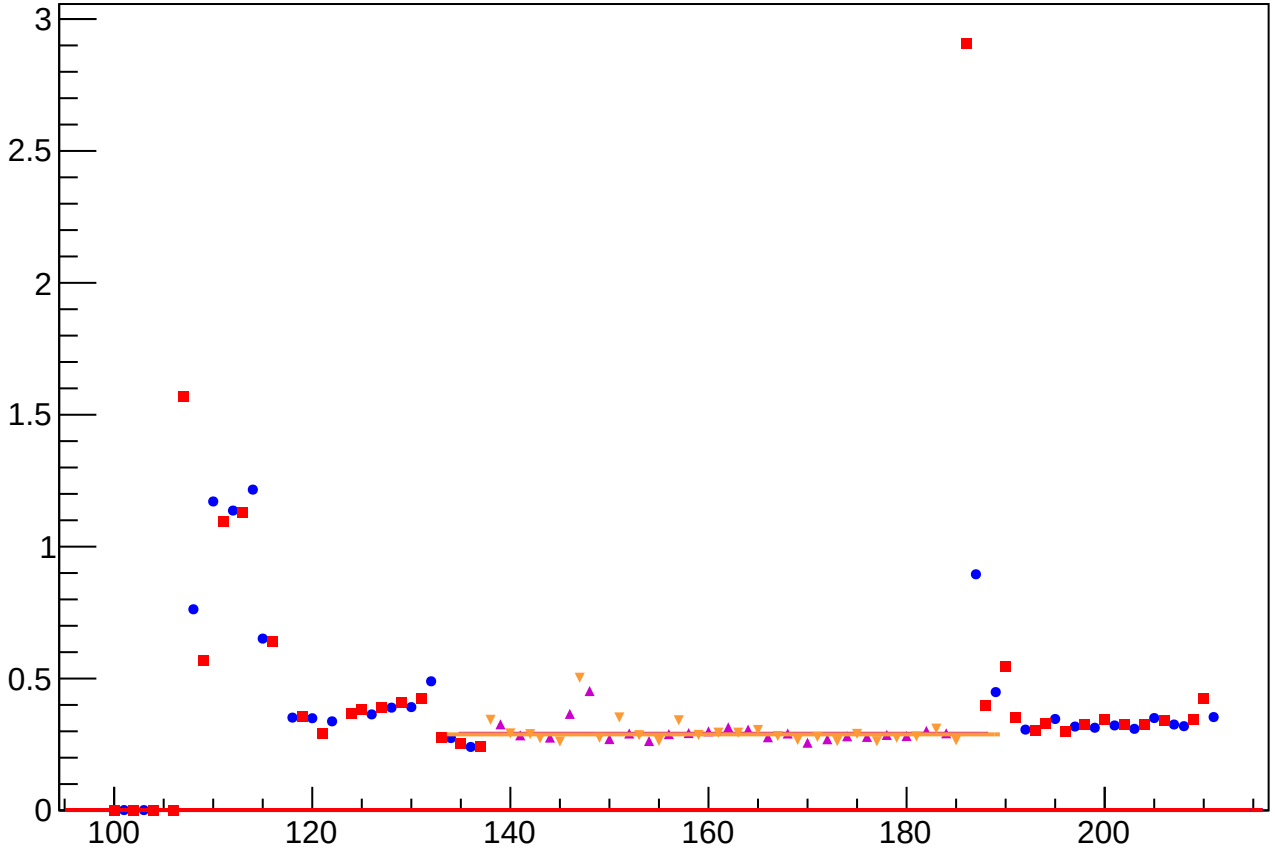
+ sign 0.002+/-0.000 χ^2/NDF: 59081388.3/52

All: 0.002+/-0.000 χ^2/NDF: 119159839.5/108

- sign 0.002+/-0.000 χ^2/NDF: 60078248.3/55


yield_cav4dY_mean vs Slug
140
120
100
80
60
40
20
0
−20
−40
−60
100
120
140
160
180
200
Right In: 61.640+/-0.000 χ²/NDF: 1053698268565.3/27
Left Out: -32.386+/-0.000 χ²/NDF:172024234.9/24
Right Out: 44.769+/-0.000 χ²/NDF: 366567833931357.0/32
Left In: -32.325+/-0.000 χ²/NDF:118654391.5/22
+ sign 61.578+/-0.000 χ²/NDF: 3010910454950.6/5
All: 52.619+/-0.000 χ²/NDF: 421796488947
- sign 44.728+/-0.000 χ²/NDF: 367795124831700.8

yield_cav4dY_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 28850586.3/27

Left Out: 0.288+/-0.000 χ^2/NDF:522979.2/24

Right Out: 0.002+/-0.000 χ^2/NDF: 30816765.8/32

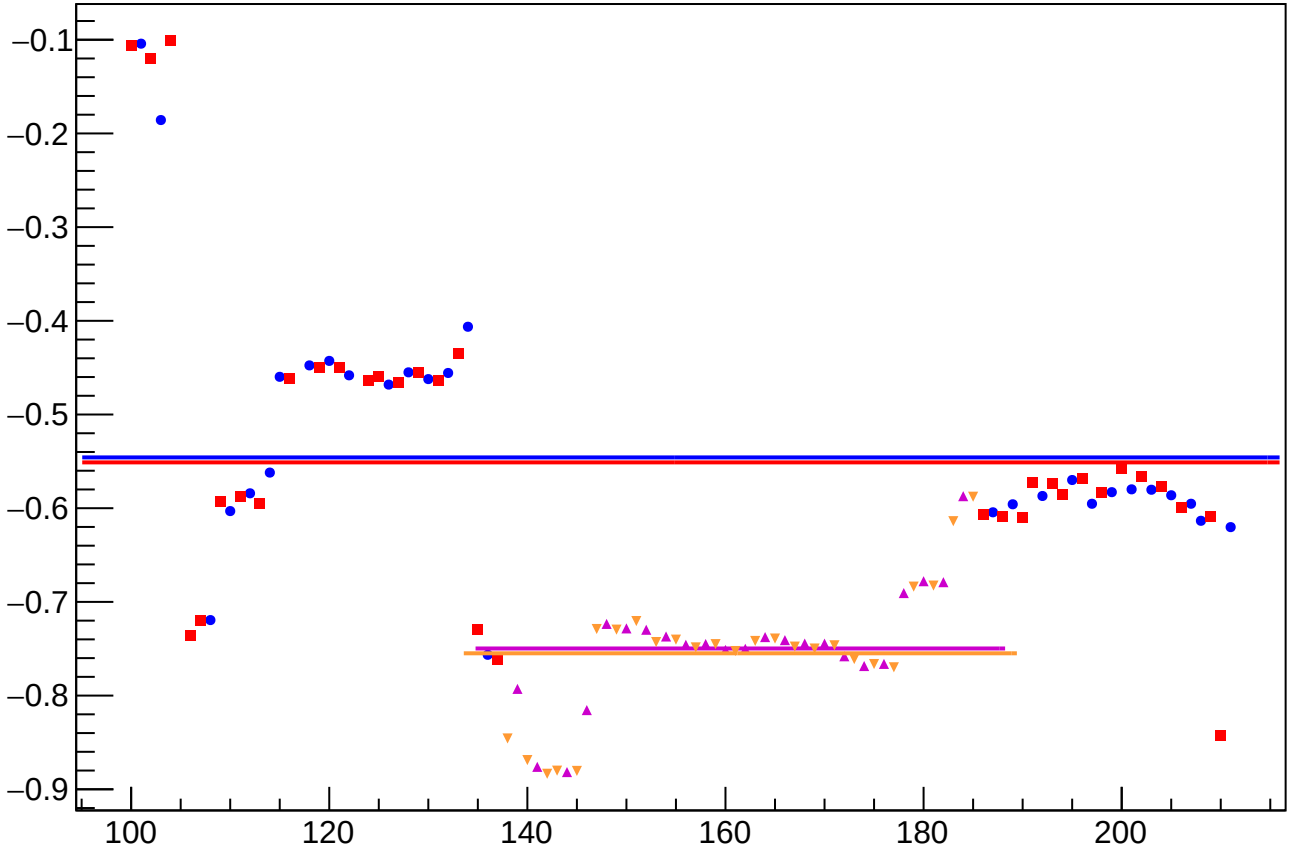
Left In: 0.291+/-0.000 χ^2/NDF:387524.5/22

+ sign 0.002+/-0.000 χ^2/NDF: 65793807.3/52

All: 0.002+/-0.000 χ^2/NDF: 131501226.3/108

- sign 0.002+/-0.000 χ^2/NDF: 65707302.4/55

yield_bpm4aX_mean vs Slug



Right In: -0.546+/-0.000 χ^2/NDF: 309052412.0/27

Left Out: -0.755+/-0.000 χ^2/NDF:212643091.8/24

Right Out: -0.551+/-0.000 χ^2/NDF: 247544613.2/32

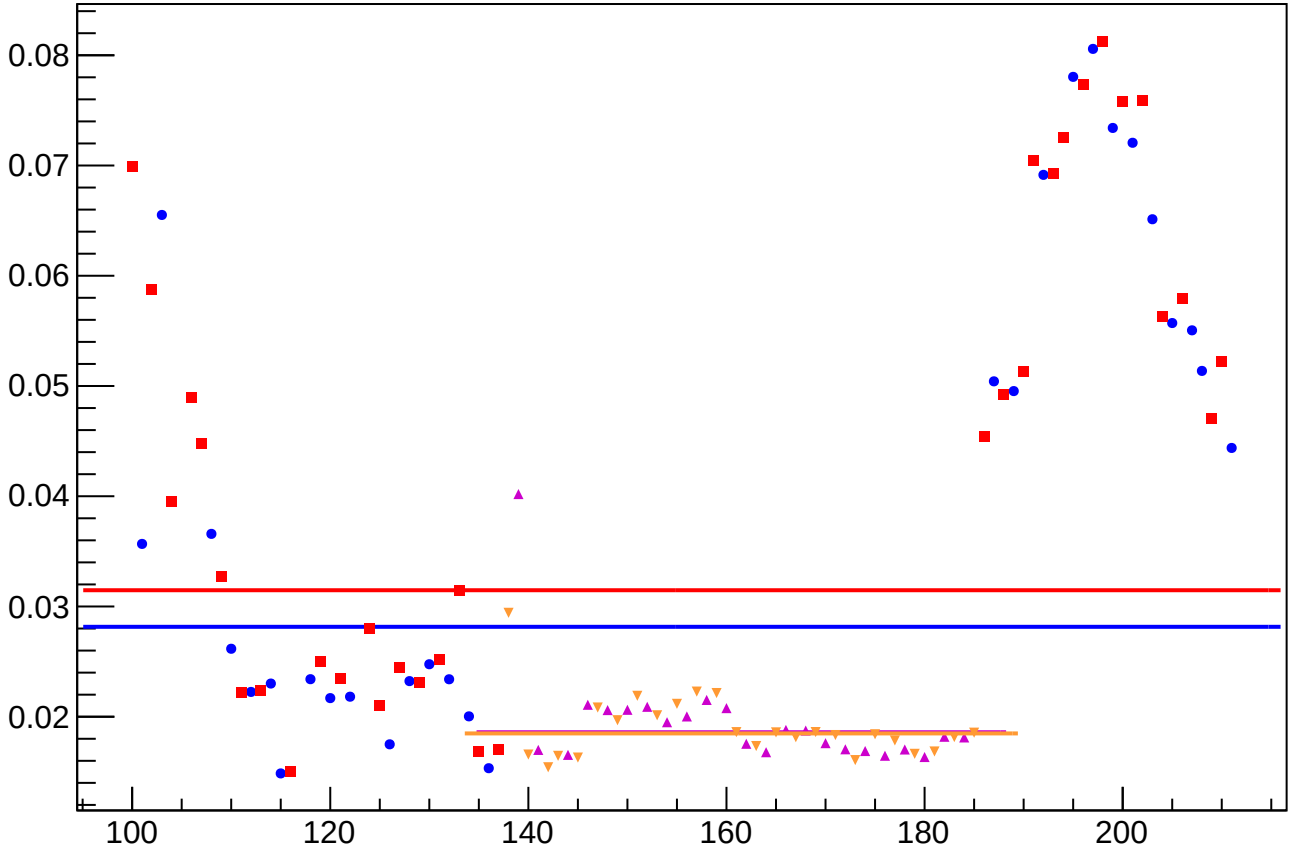
Left In: -0.750+/-0.000 χ^2/NDF:140839352.1/22

+ sign -0.705+/-0.000 χ^2/NDF: 993744210.1/52

All: -0.705+/-0.000 χ^2/NDF: 1770999106.6/1

- sign -0.704+/-0.000 χ^2/NDF: 777155733.2/55

yield_bpm4aX_rms vs Slug



Right In: 0.028+/-0.000 χ^2/NDF: 7665374.0/27

Left Out: 0.018+/-0.000 χ^2/NDF:491665.0/24

Right Out: 0.031+/-0.000 χ^2/NDF: 7637683.6/32

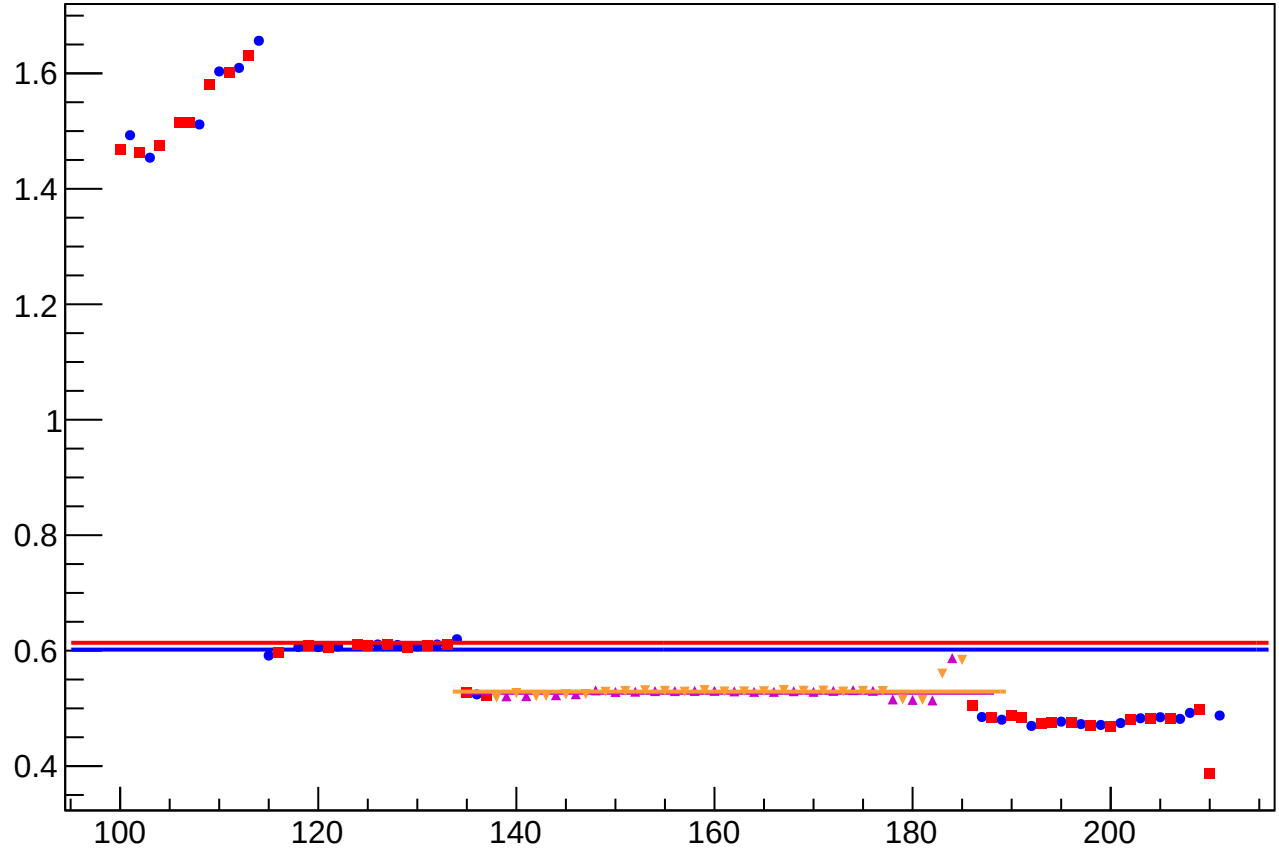
Left In: 0.019+/-0.000 χ^2/NDF:739183.3/22

+ sign 0.021+/-0.000 χ^2/NDF: 10176982.6/52

All: 0.021+/-0.000 χ^2/NDF: 21861252.3/108

- sign 0.022+/-0.000 χ^2/NDF: 11646214.9/55

yield_bpm4aY_mean vs Slug



Right In: 0.602+/-0.000 χ^2/NDF: 5688158342.2/27

Left Out: 0.529+/-0.000 χ^2/NDF:16236836.5/24

Right Out: 0.614+/-0.000 χ^2/NDF: 6738237727.1/32

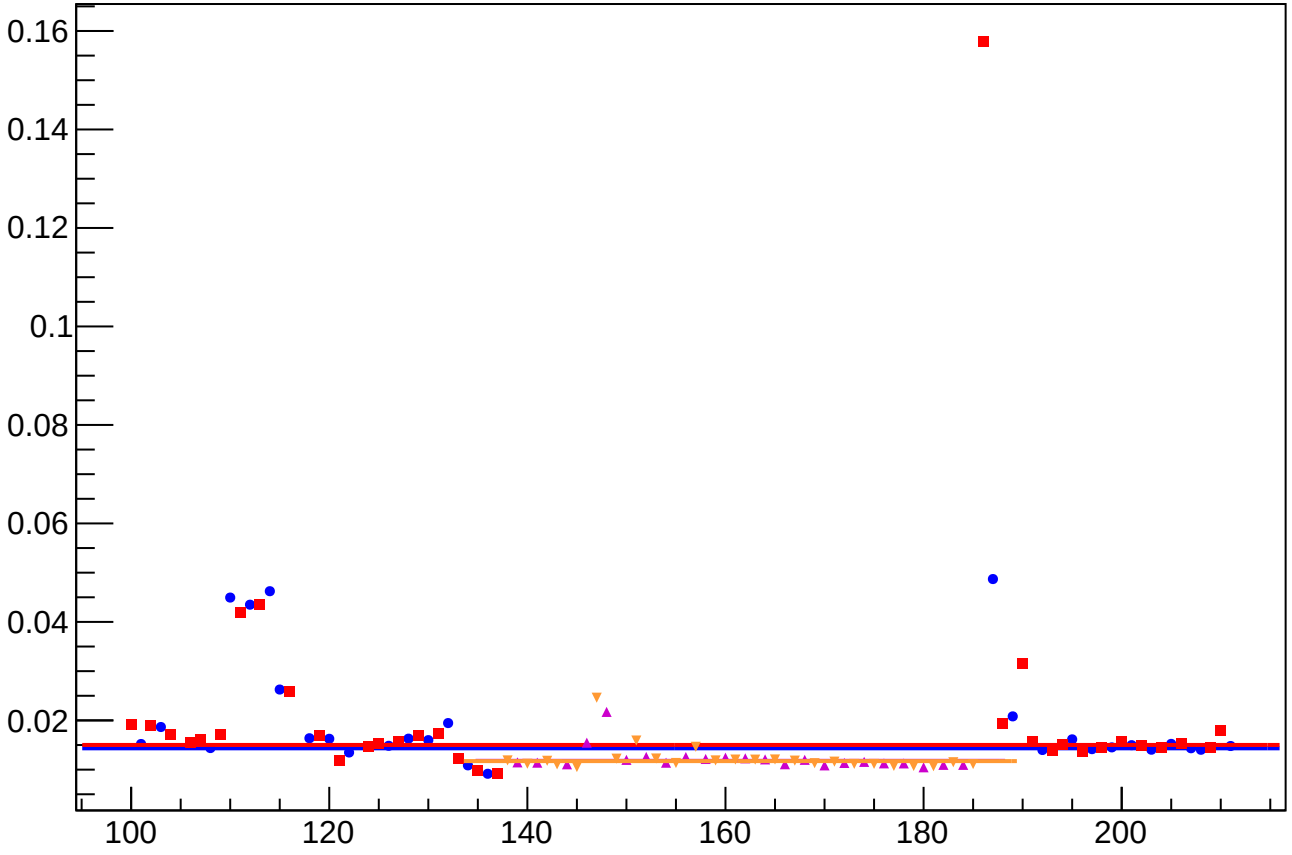
Left In: 0.527+/-0.000 χ^2/NDF:13035326.4/22

+ sign 0.554+/-0.000 χ^2/NDF: 5952481840.3/52

All: 0.556+/-0.000 χ^2/NDF: 13045495494.3/1

- sign 0.558+/-0.000 χ^2/NDF: 7091656410.3/55

yield_bpm4aY_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF: 1971838.1/27

Left Out: 0.012+/-0.000 χ^2/NDF:699878.1/24

Right Out: 0.015+/-0.000 χ^2/NDF: 2432902.3/32

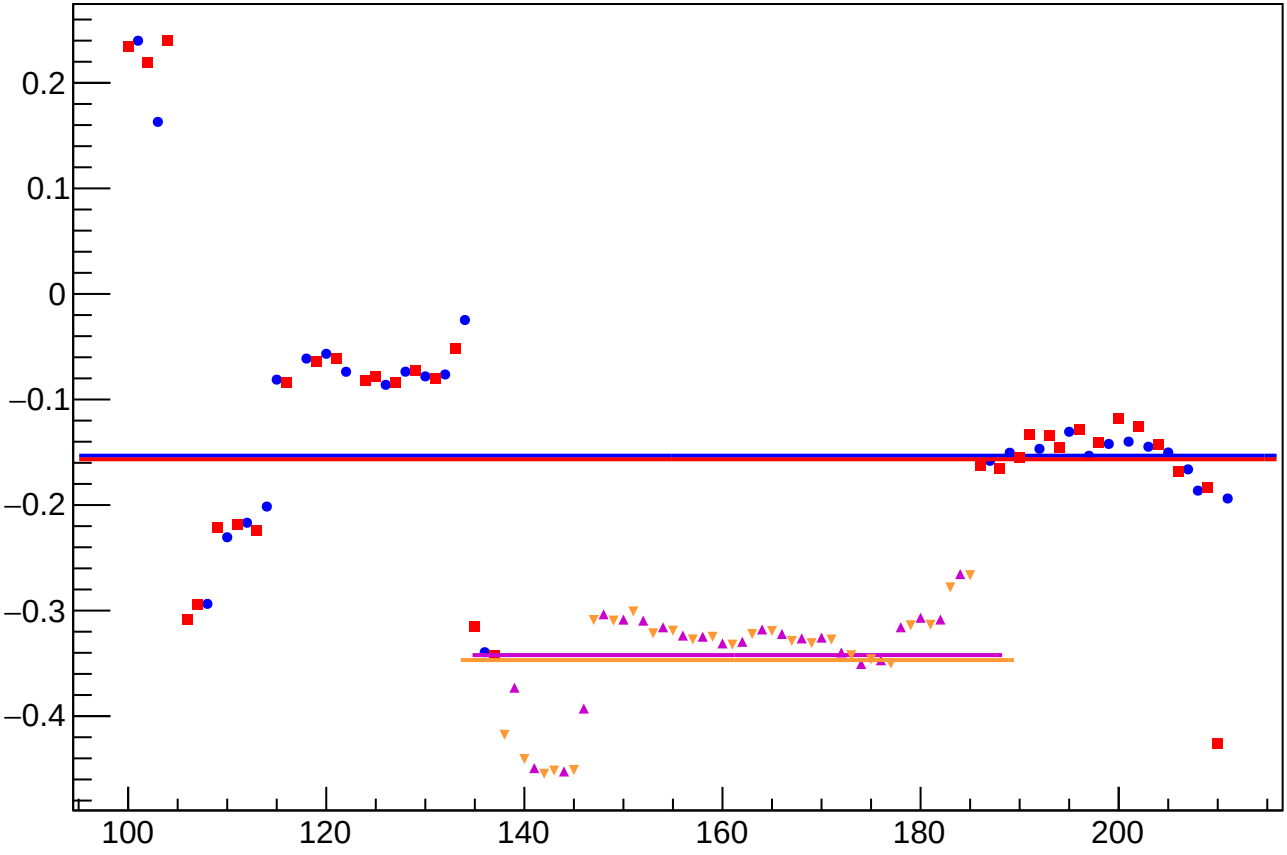
Left In: 0.012+/-0.000 χ^2/NDF:519826.8/22

+ sign 0.013+/-0.000 χ^2/NDF: 3302474.4/52

All: 0.013+/-0.000 χ^2/NDF: 7219092.3/108

- sign 0.013+/-0.000 χ^2/NDF: 3897133.4/55

yield_bpm4eX_mean vs Slug



Right In: -0.153+/-0.000 χ^2/NDF: 278171759.6/27

Left Out: -0.347+/-0.000 χ^2/NDF:125890246.2/24

Right Out: -0.157+/-0.000 χ^2/NDF: 225549237.9/32

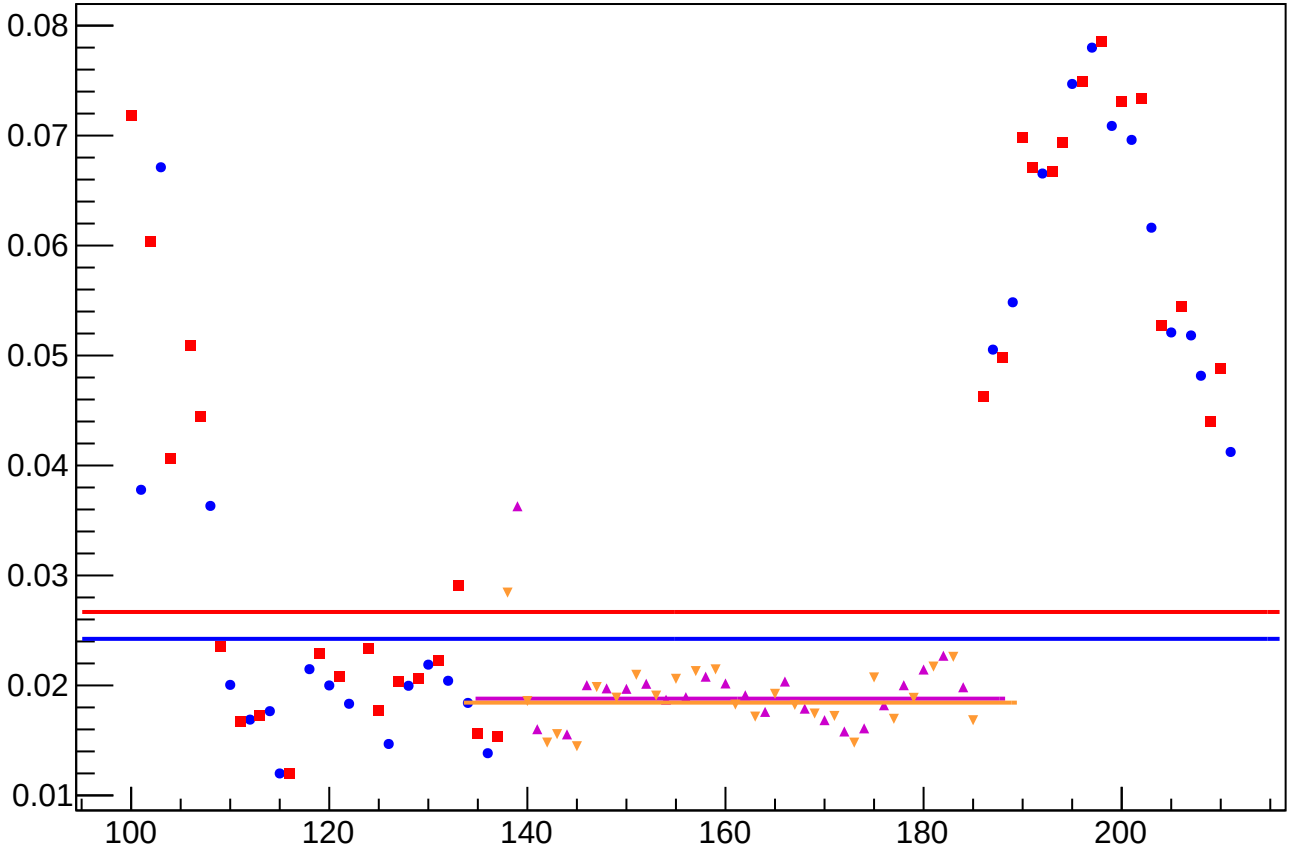
Left In: -0.342+/-0.000 χ^2/NDF:88220744.3/22

+ sign -0.293+/-0.000 χ^2/NDF: 894107988.6/52

All: -0.291+/-0.000 χ^2/NDF: 1621076900.0/1

- sign -0.290+/-0.000 χ^2/NDF: 726704714.8/55

yield_bpm4eX_rms vs Slug



Right In: 0.024+/-0.000 χ^2/NDF: 8801982.4/27

Left Out: 0.018+/-0.000 χ^2/NDF:640029.5/24

Right Out: 0.027+/-0.000 χ^2/NDF: 9274821.7/32

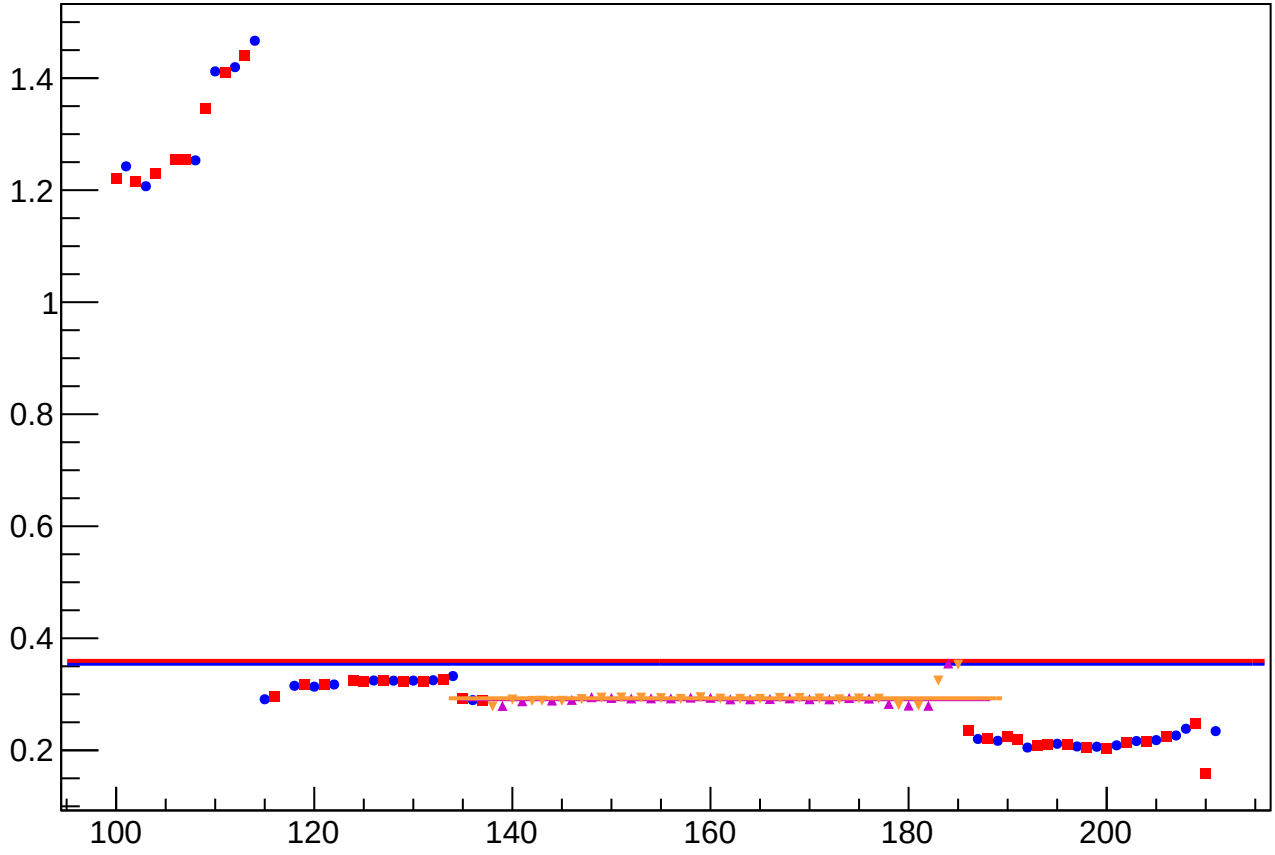
Left In: 0.019+/-0.000 χ^2/NDF:718726.0/22

+ sign 0.020+/-0.000 χ^2/NDF: 10320928.2/52

All: 0.021+/-0.000 χ^2/NDF: 21862436.2/108

- sign 0.021+/-0.000 χ^2/NDF: 11483940.9/55

yield_bpm4eY_mean vs Slug



Right In: 0.355+/-0.000 χ^2/NDF: 8391778280.0/27

Left Out: 0.293+/-0.000 χ^2/NDF:17281571.0/24

Right Out: 0.360+/-0.000 χ^2/NDF: 9418458865.2/32

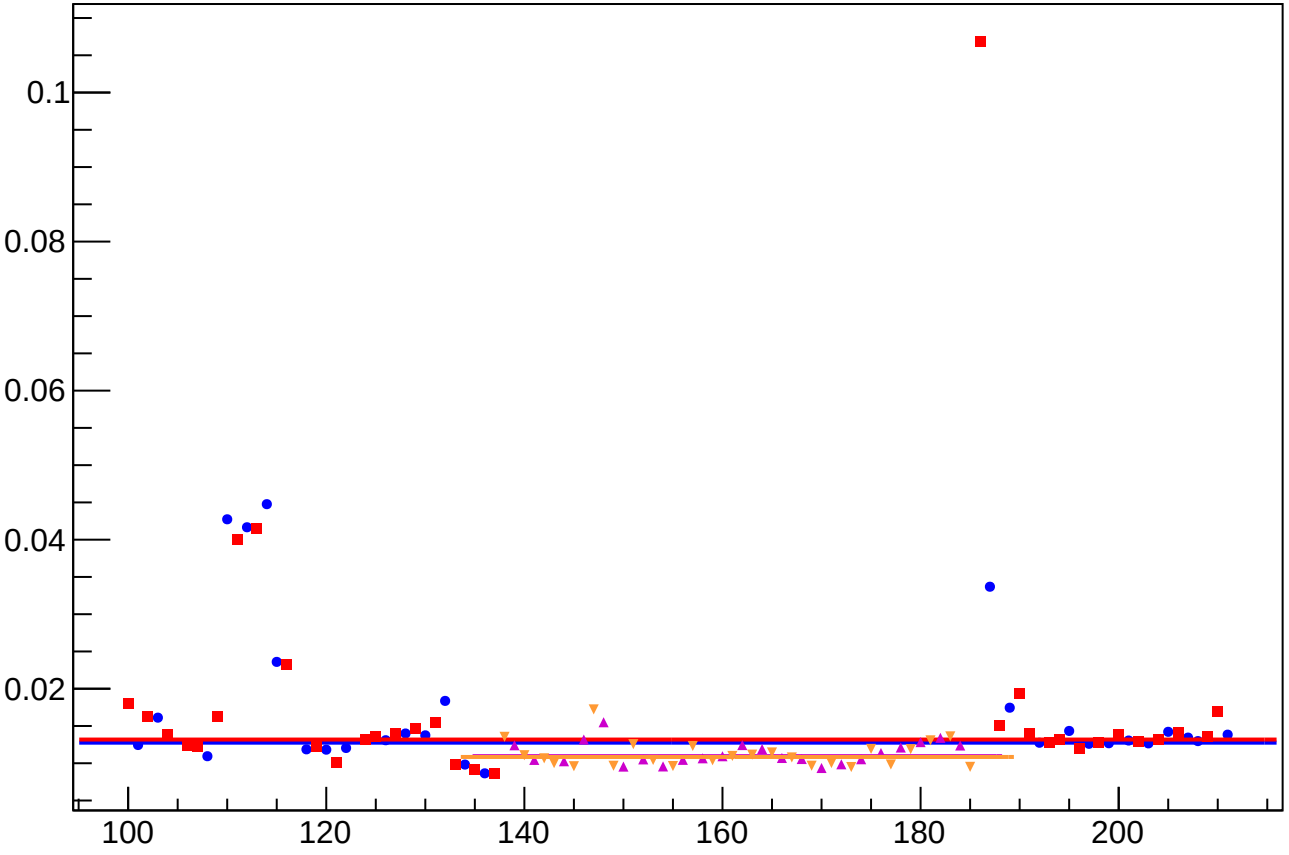
Left In: 0.291+/-0.000 χ^2/NDF:10282762.1/22

+ sign 0.316+/-0.000 χ^2/NDF: 8627890231.5/52

All: 0.317+/-0.000 χ^2/NDF: 18320304473.4/1

- sign 0.318+/-0.000 χ^2/NDF: 9691865865.3/55

yield_bpm4eY_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF: 1803309.2/27

Left Out: 0.011+/-0.000 χ^2/NDF:654475.7/24

Right Out: 0.013+/-0.000 χ^2/NDF: 2260355.4/32

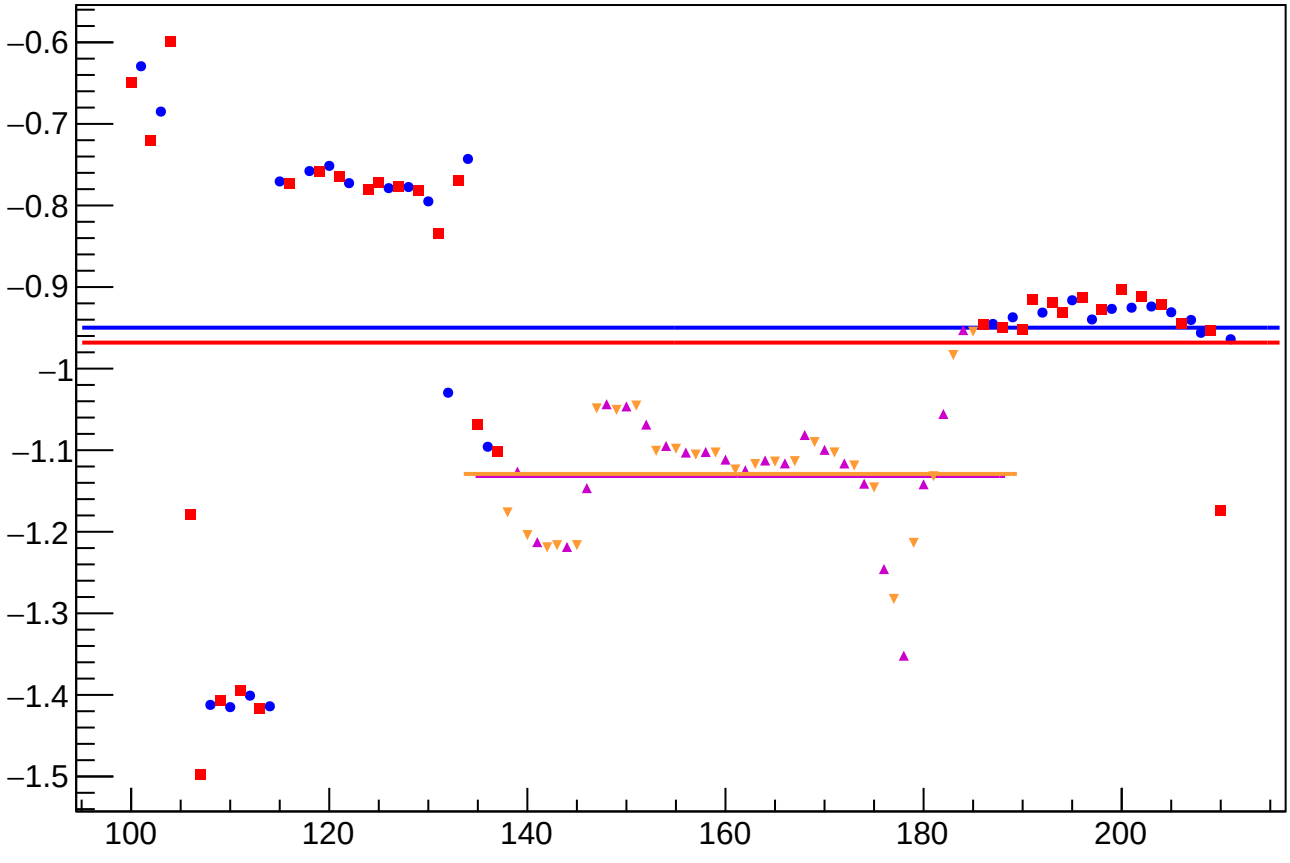
Left In: 0.011+/-0.000 χ^2/NDF:512130.1/22

+ sign 0.012+/-0.000 χ^2/NDF: 2879798.0/52

All: 0.012+/-0.000 χ^2/NDF: 6224831.4/108

- sign 0.012+/-0.000 χ^2/NDF: 3327766.5/55

yield_bpm4acX_mean vs Slug



Right In: -0.950+/-0.000 χ^2/NDF: 700364025.5/27

Left Out: -1.129+/-0.000 χ^2/NDF:238152679.4/24

Right Out: -0.968+/-0.000 χ^2/NDF: 731528803.8/32

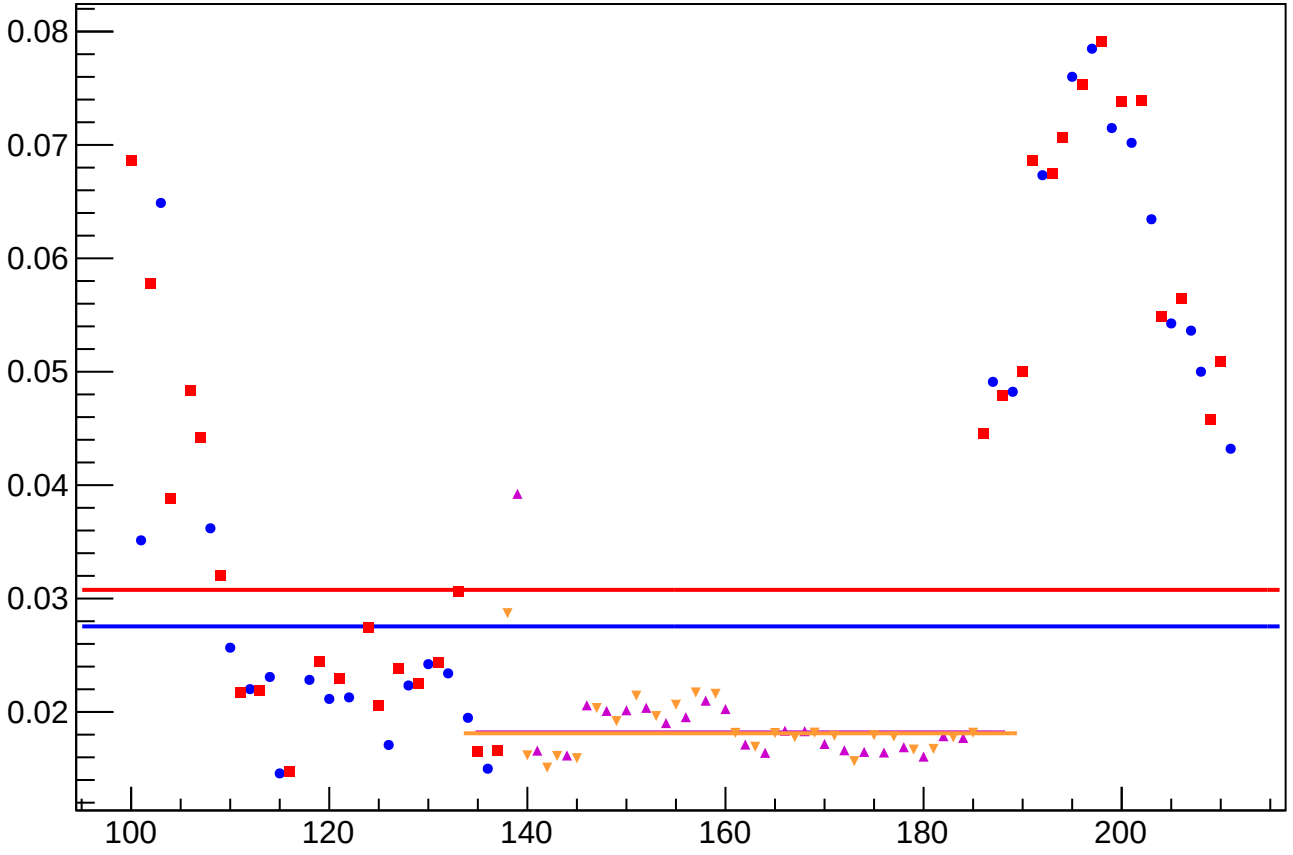
Left In: -1.132+/-0.000 χ^2/NDF:260075820.5/22

+ sign -1.087+/-0.000 χ^2/NDF: 1301135548.8/52

All: -1.090+/-0.000 χ^2/NDF: 2569885423.5/1

- sign -1.094+/-0.000 χ^2/NDF: 1267248350.1/55

yield_bpm4acX_rms vs Slug



Right In: 0.028+/-0.000 χ^2/NDF: 7639991.8/27

Left Out: 0.018+/-0.000 χ^2/NDF:474004.4/24

Right Out: 0.031+/-0.000 χ^2/NDF: 7610478.9/32

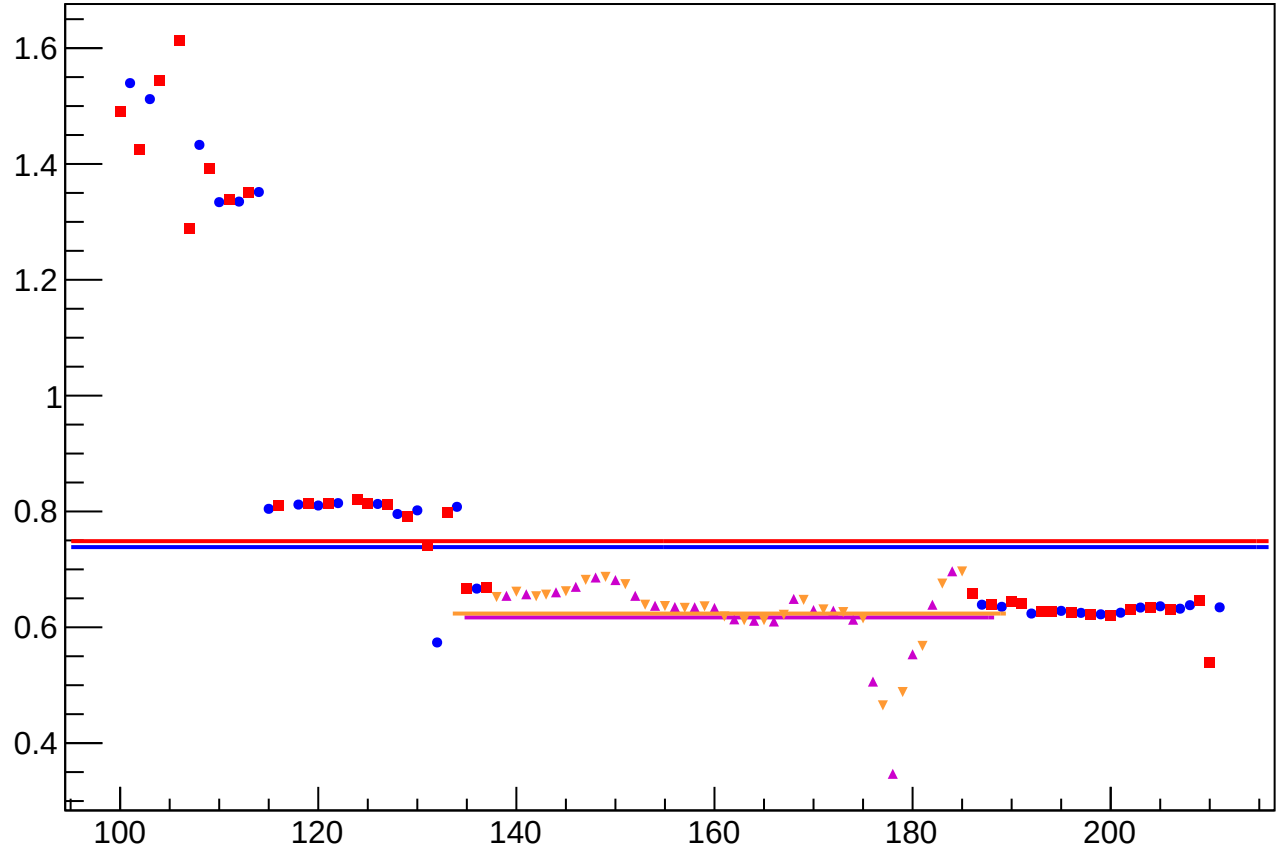
Left In: 0.018+/-0.000 χ^2/NDF:723957.3/22

+ sign 0.020+/-0.000 χ^2/NDF: 10117973.2/52

All: 0.021+/-0.000 χ^2/NDF: 21741872.1/108

- sign 0.021+/-0.000 χ^2/NDF: 11588767.0/55

yield_bpm4acY_mean vs Slug



Right In: 0.738+/-0.000 χ^2/NDF: 3901816955.1/27

Left Out: 0.624+/-0.000 χ^2/NDF:400613435.2/24

Right Out: 0.749+/-0.000 χ^2/NDF: 4338703943.8/32

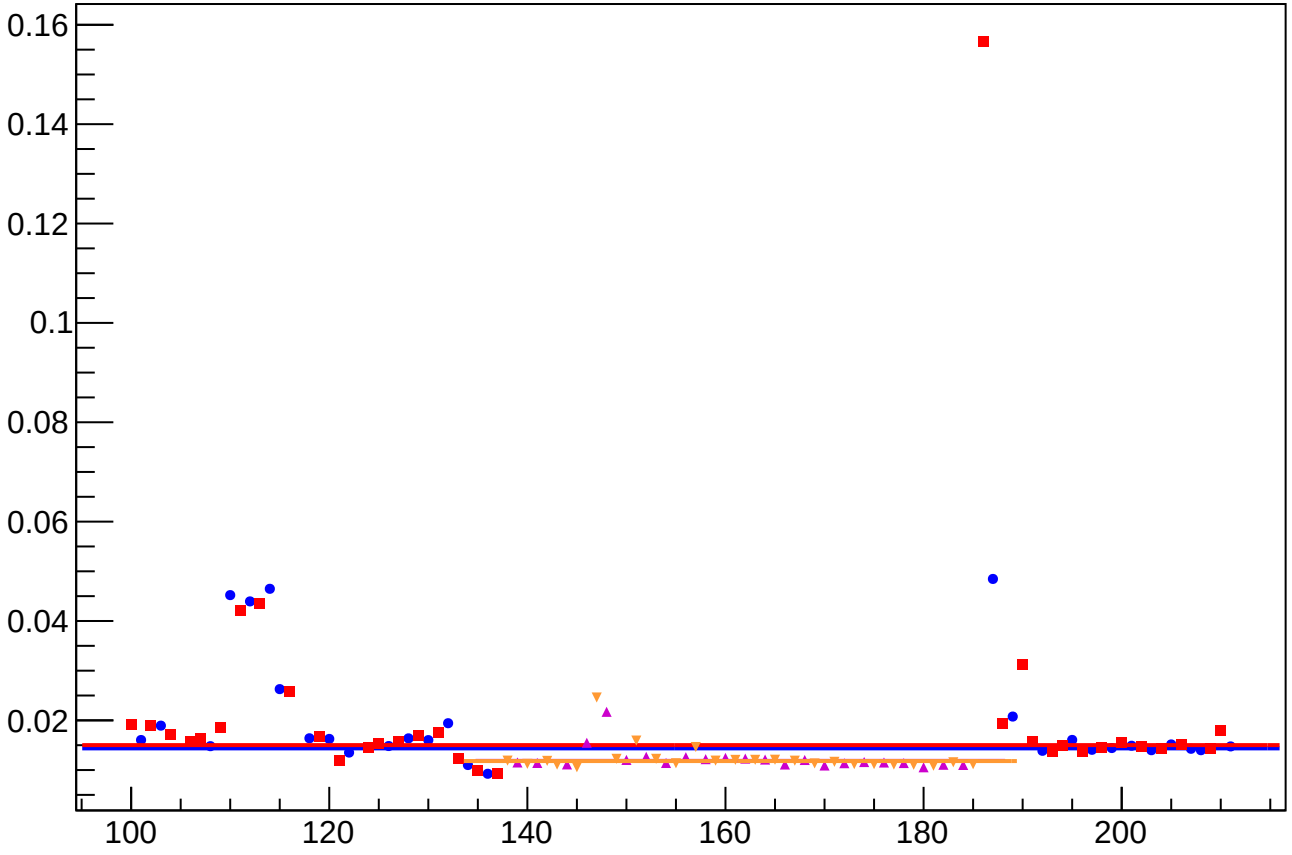
Left In: 0.617+/-0.000 χ^2/NDF:646297442.3/22

+ sign 0.664+/-0.000 χ^2/NDF: 4913985908.5/52

All: 0.664+/-0.000 χ^2/NDF: 10681934810.4/1

- sign 0.665+/-0.000 χ^2/NDF: 5767906714.0/55

yield_bpm4acY_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF: 1954875.9/27

Left Out: 0.012+/-0.000 χ^2/NDF:673680.7/24

Right Out: 0.015+/-0.000 χ^2/NDF: 2438057.5/32

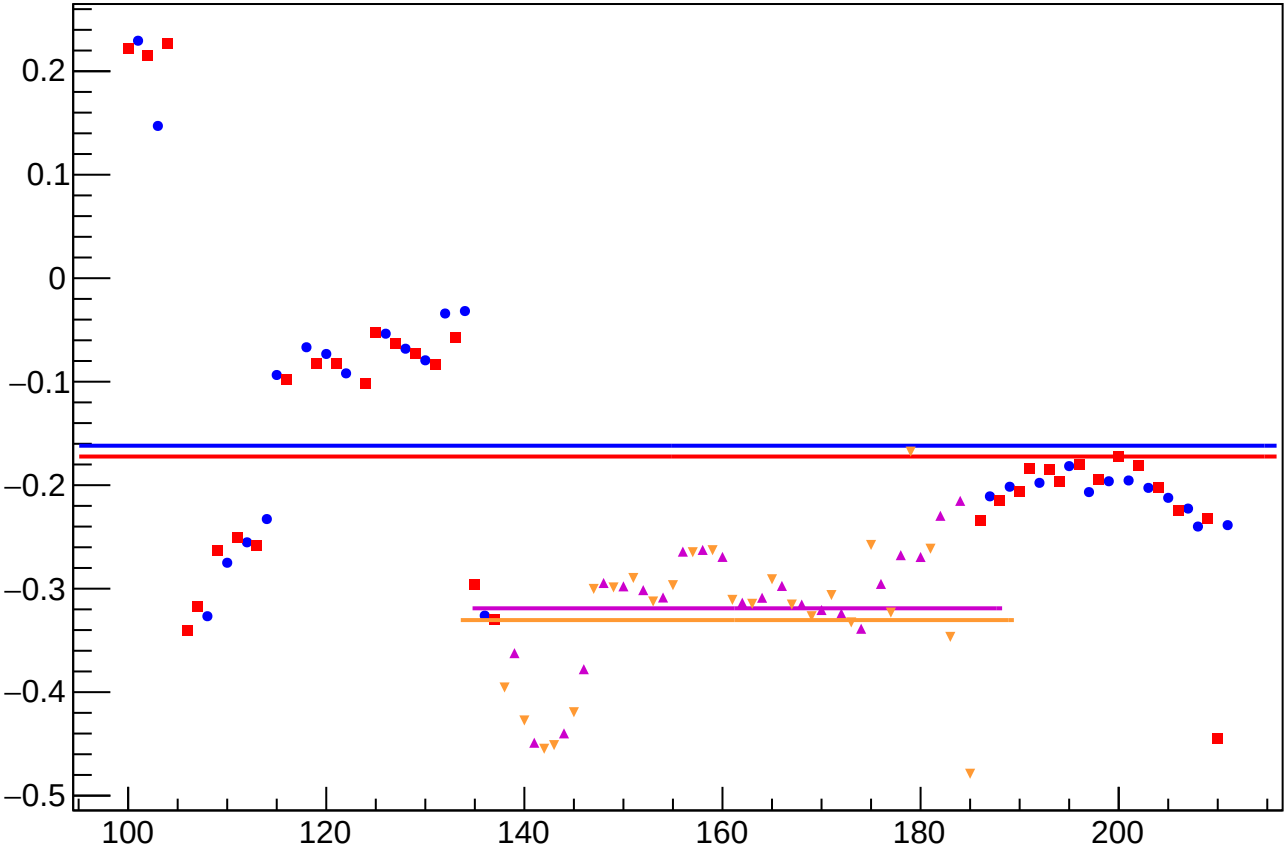
Left In: 0.012+/-0.000 χ^2/NDF:508762.0/22

+ sign 0.013+/-0.000 χ^2/NDF: 3233820.0/52

All: 0.013+/-0.000 χ^2/NDF: 7105930.5/108

- sign 0.013+/-0.000 χ^2/NDF: 3855448.5/55

yield_bpm4ecX_mean vs Slug



Right In: -0.162+/-0.000 χ^2/NDF: 283997020.0/27

Left Out: -0.330+/-0.000 χ^2/NDF:182729419.2/24

Right Out: -0.172+/-0.000 χ^2/NDF: 226732160.3/32

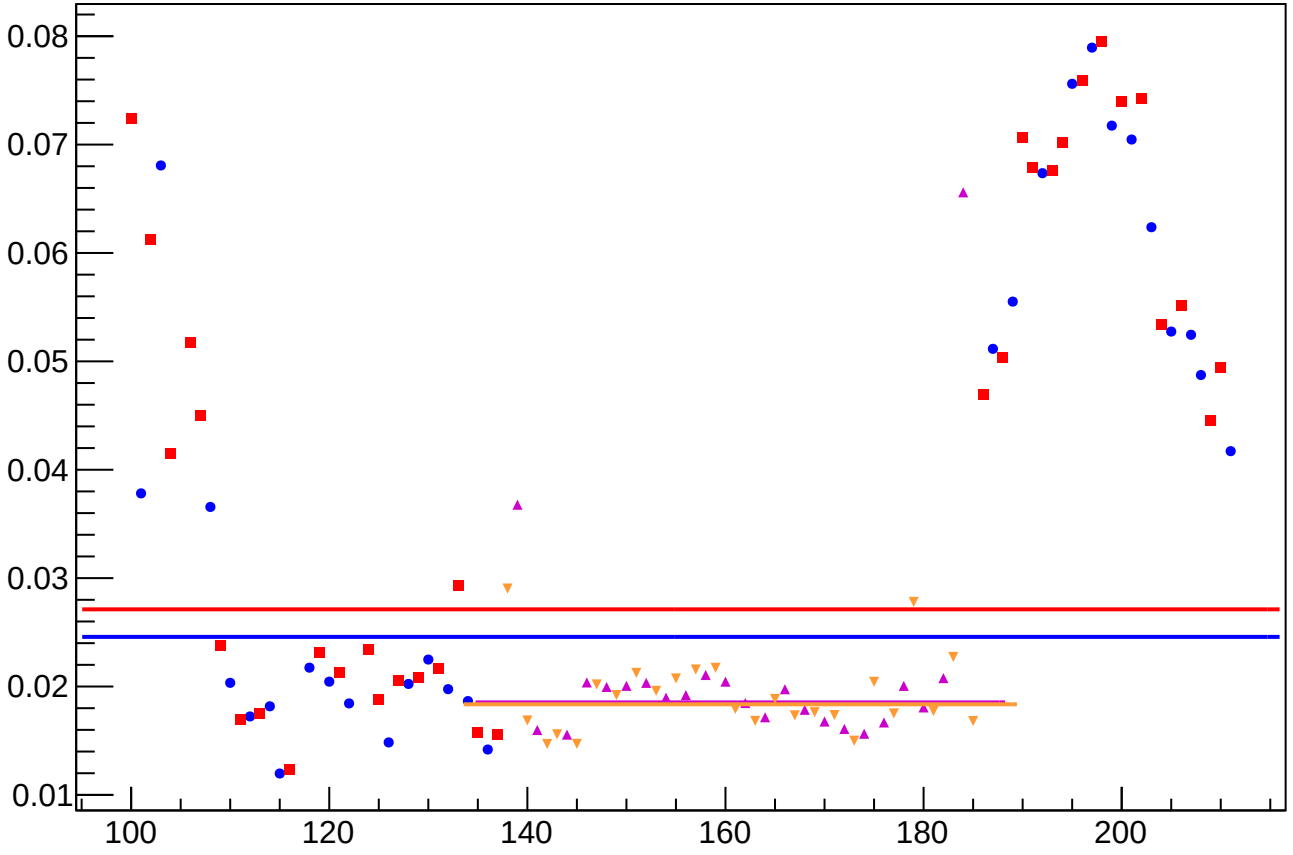
Left In: -0.319+/-0.000 χ^2/NDF:130589173.8/22

+ sign -0.283+/-0.000 χ^2/NDF: 828339463.2/52

All: -0.281+/-0.000 χ^2/NDF: 1438570697.8/1

- sign -0.278+/-0.000 χ^2/NDF: 609488947.7/55

yield_bpm4ecX_rms vs Slug



Right In: 0.025+/-0.000 χ^2/NDF: 8761804.7/27

Left Out: 0.018+/-0.000 χ^2/NDF:737503.8/24

Right Out: 0.027+/-0.000 χ^2/NDF: 9218075.5/32

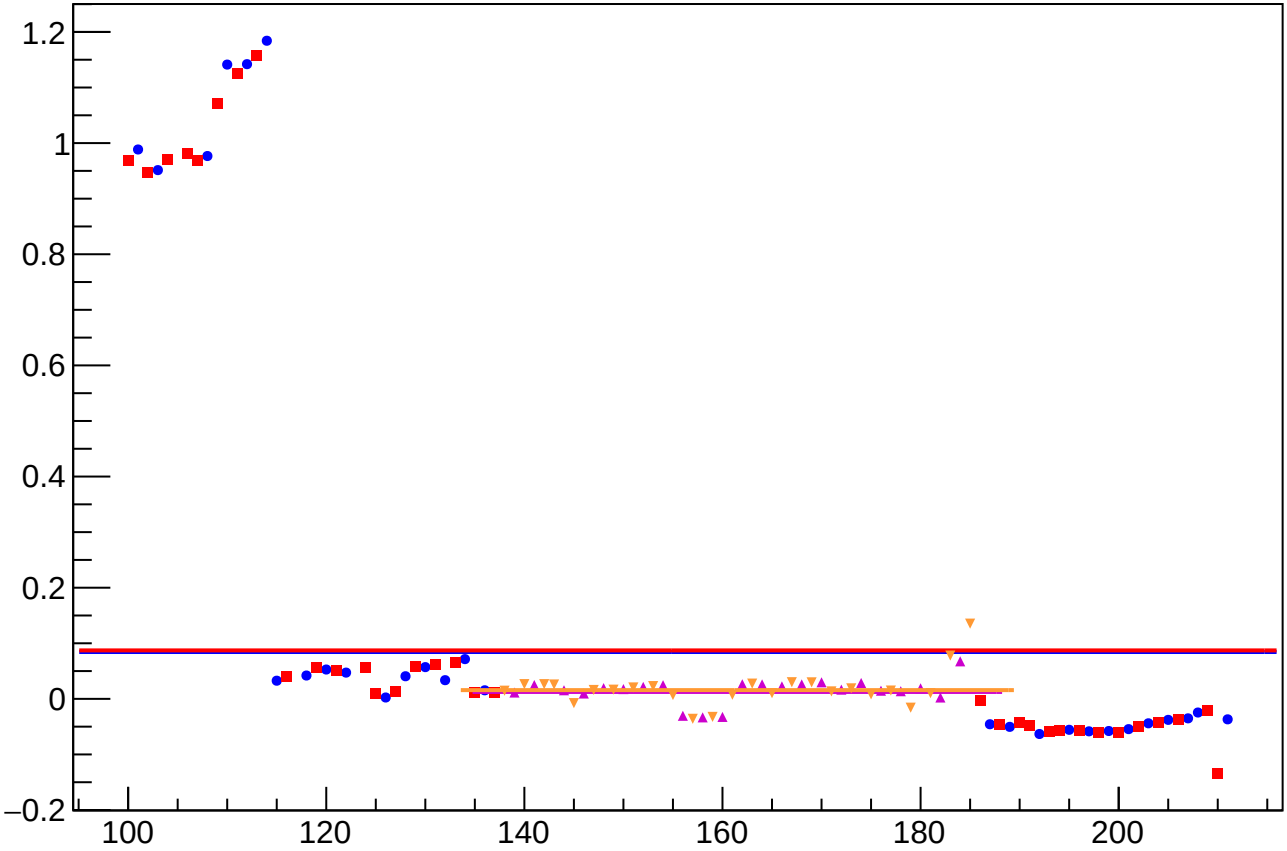
Left In: 0.019+/-0.000 χ^2/NDF:933807.9/22

+ sign 0.020+/-0.000 χ^2/NDF: 10485059.4/52

All: 0.020+/-0.000 χ^2/NDF: 22404458.0/108

- sign 0.021+/-0.000 χ^2/NDF: 11878839.7/55

yield_bpm4ecY_mean vs Slug



Right In: 0.084+/-0.000 χ^2/NDF: 8440481286.2/27

Left Out: 0.016+/-0.000 χ^2/NDF:104485335.8/24

Right Out: 0.087+/-0.000 χ^2/NDF: 9320051909.0/32

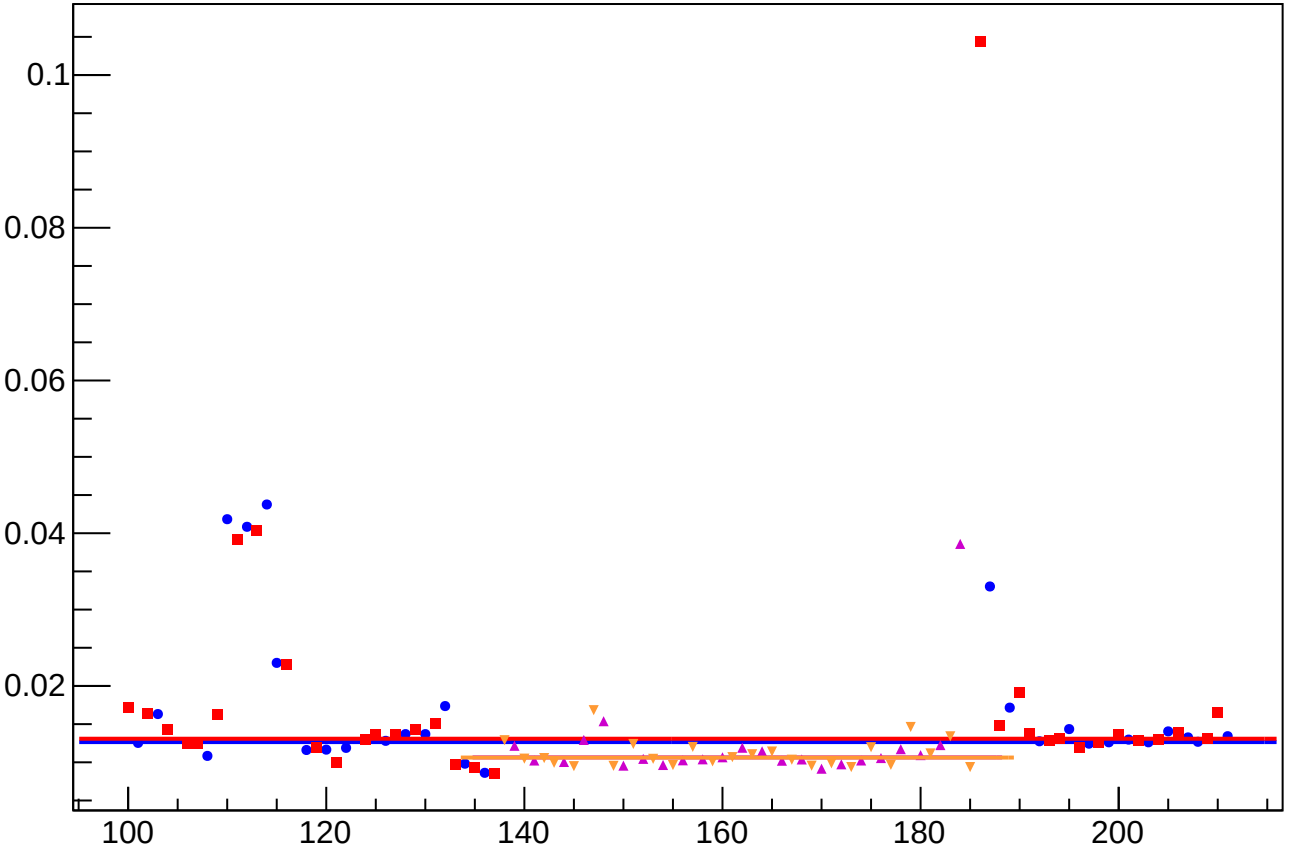
Left In: 0.012+/-0.000 χ^2/NDF:58674739.1/22

+ sign 0.041+/-0.000 χ^2/NDF: 8819767991.1/52

All: 0.041+/-0.000 χ^2/NDF: 18519198240.4/1

- sign 0.041+/-0.000 χ^2/NDF: 9699430243.5/55

yield_bpm4ecY_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF: 1761143.5/27

Left Out: 0.011+/-0.000 χ^2/NDF:622208.3/24

Right Out: 0.013+/-0.000 χ^2/NDF: 2192095.1/32

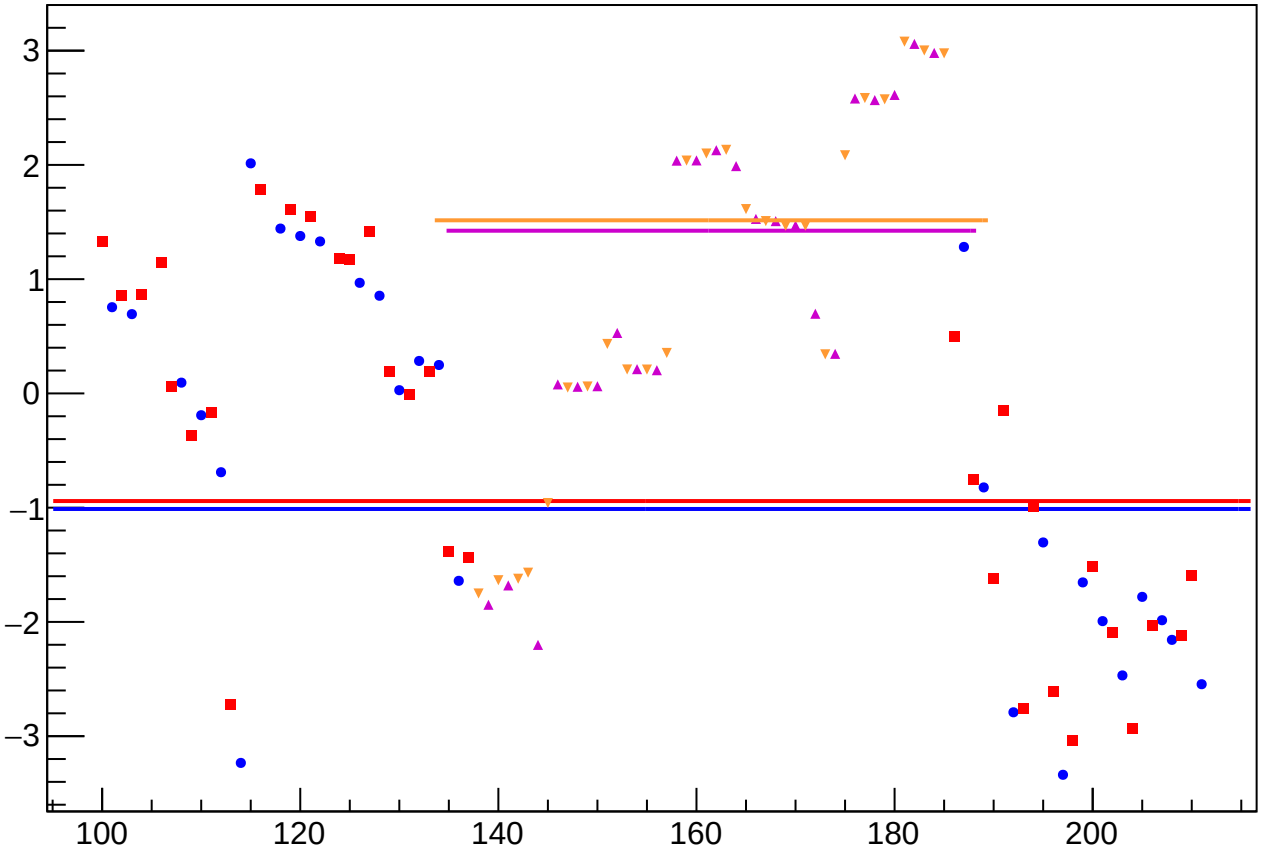
Left In: 0.011+/-0.000 χ^2/NDF:571950.9/22

+ sign 0.011+/-0.000 χ^2/NDF: 2863061.4/52

All: 0.011+/-0.000 χ^2/NDF: 6324659.1/108

- sign 0.012+/-0.000 χ^2/NDF: 3451052.2/55

yield_bpm1X_mean vs Slug



Right In: -1.011+/-0.000 χ^2/NDF: 9554166615.4/27

Left Out: 1.515+/-0.000 χ^2/NDF:67789388512.2/24

Right Out: -0.942+/-0.000 χ^2/NDF: 9638155872.7/32

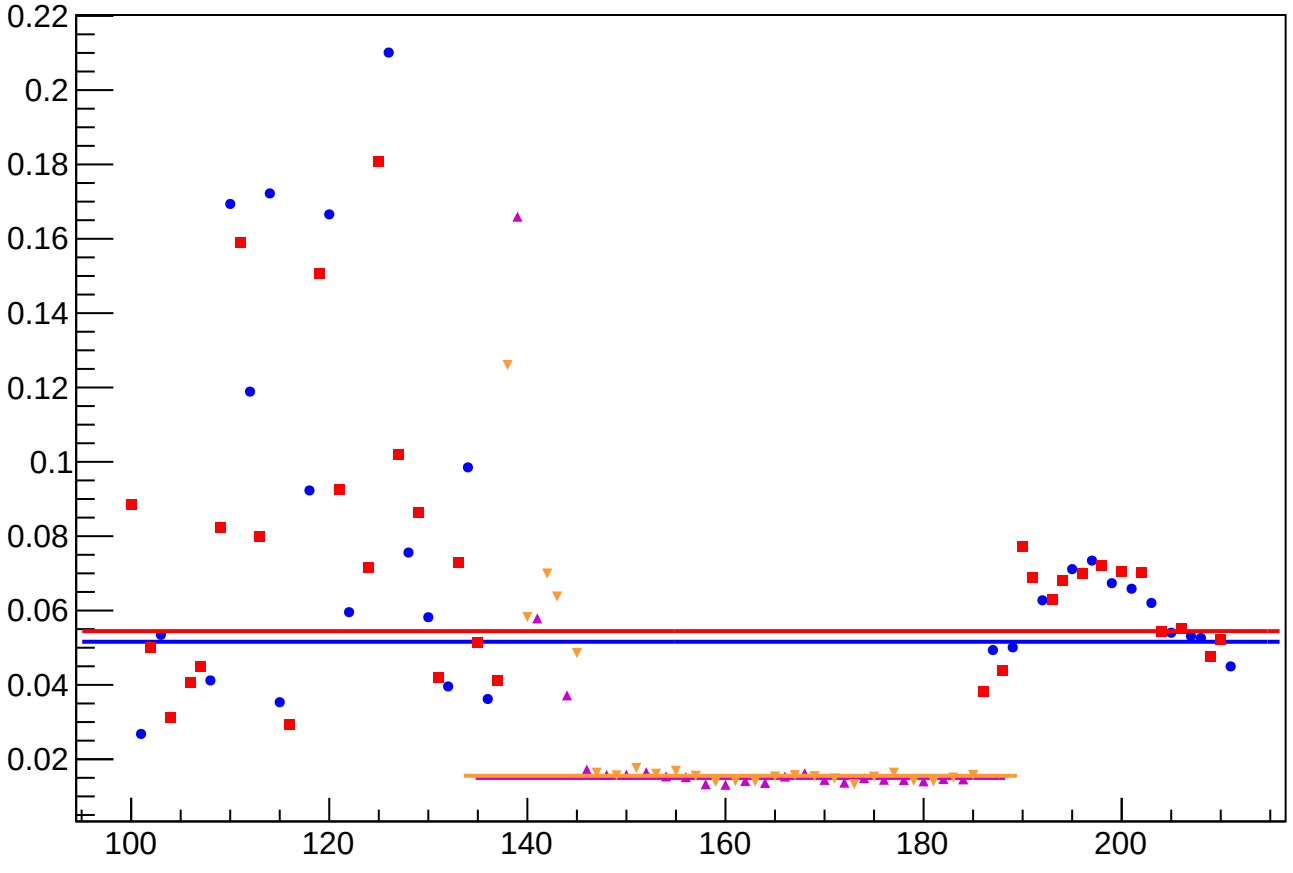
Left In: 1.424+/-0.000 χ^2/NDF:68046262594.0/22

+ sign 1.337+/-0.000 χ^2/NDF: 104679113837.2/52

All: 1.296+/-0.000 χ^2/NDF: 207173885360.5

- sign 1.257+/-0.000 χ^2/NDF: 102283662881.0/55

yield_bpm1X_rms vs Slug



Right In: 0.052+/-0.000 χ^2/NDF: 3590088.6/27

Left Out: 0.016+/-0.000 χ^2/NDF:2984313.0/24

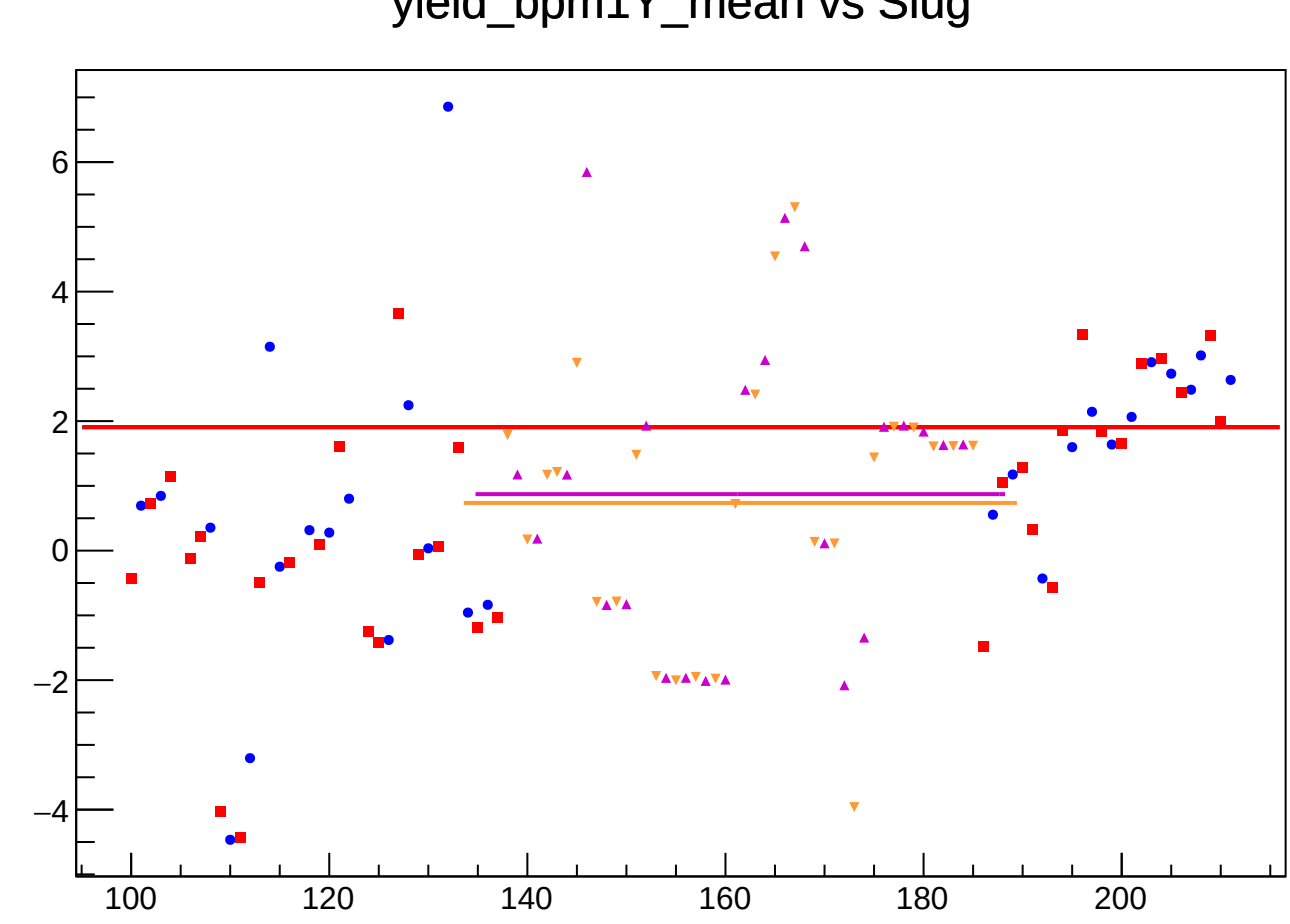
Right Out: 0.054+/-0.000 χ^2/NDF: 3183835.9/32

Left In: 0.015+/-0.000 χ^2/NDF:2182916.7/22

+ sign 0.018+/-0.000 χ^2/NDF: 17707618.5/52

All: 0.018+/-0.000 χ^2/NDF: 36779746.4/108

- sign 0.018+/-0.000 χ^2/NDF: 19065187.9/55



Right In: 1.906+/-0.000 χ^2/NDF: 40231028005.7/27

Left Out: 0.737+/-0.000 χ^2/NDF:535962480112.3/24

Right Out: 1.907+/-0.000 χ^2/NDF: 44556494798.7/32

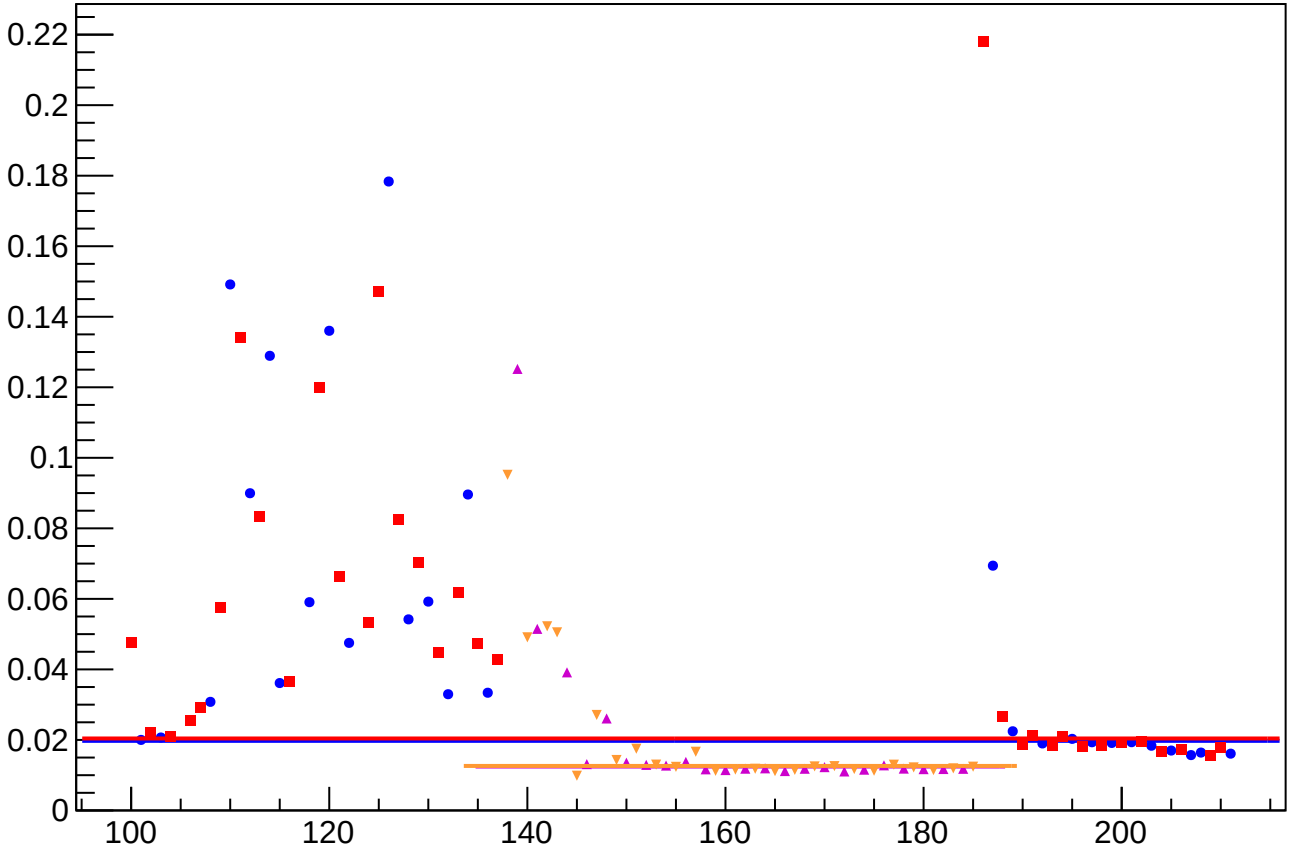
Left In: 0.872+/-0.000 χ^2/NDF:620161319368.2/22

+ sign 0.998+/-0.000 χ^2/NDF: 606548100052.2/52

All: 1.054+/-0.000 χ^2/NDF: 1296456322787.

- sign 1.110+/-0.000 χ^2/NDF: 689098818723.8/55

yield_bpm1Y_rms vs Slug



Right In: 0.020+/-0.000 χ^2/NDF: 4470575.9/27

Left Out: 0.013+/-0.000 χ^2/NDF:3191407.4/24

Right Out: 0.020+/-0.000 χ^2/NDF: 5525427.3/32

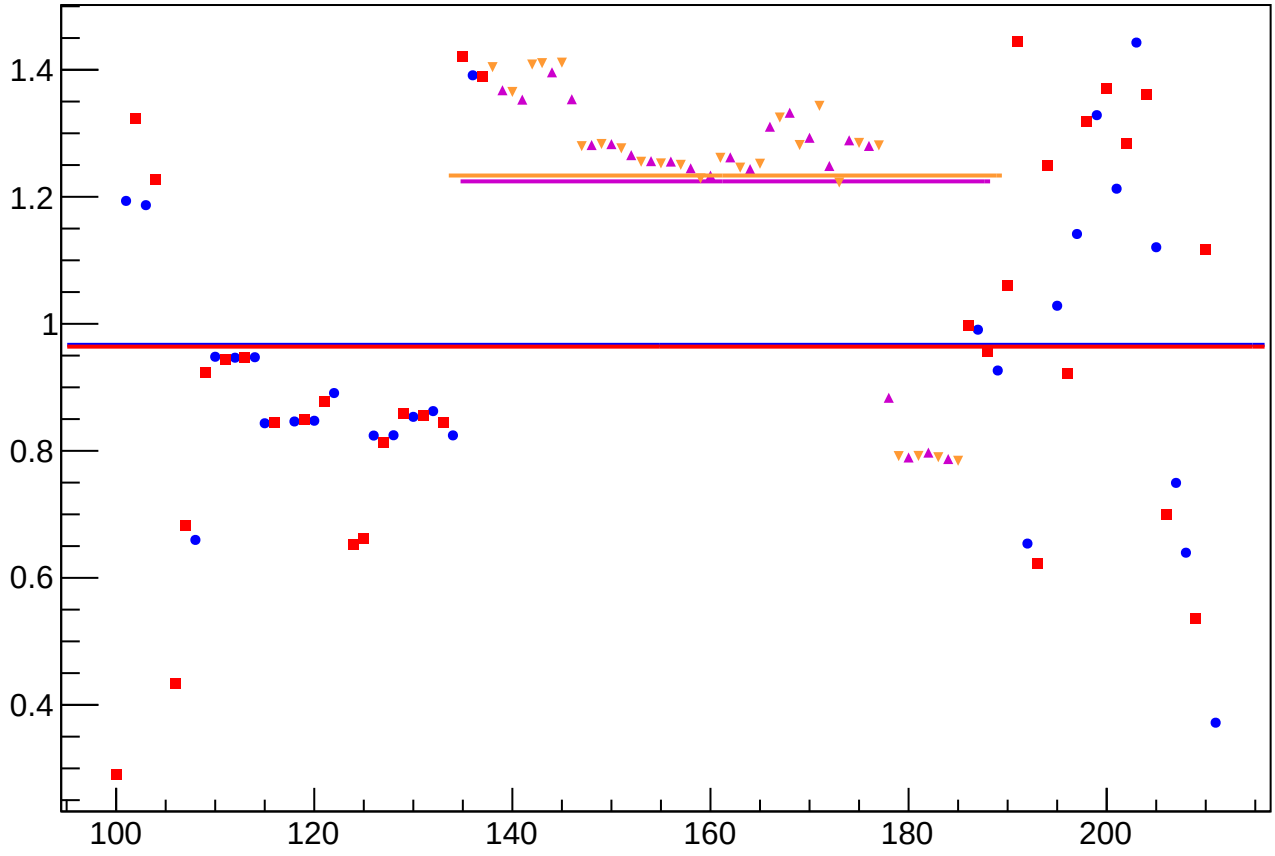
Left In: 0.012+/-0.000 χ^2/NDF:2756702.2/22

+ sign 0.014+/-0.000 χ^2/NDF: 9910144.7/52

All: 0.014+/-0.000 χ^2/NDF: 21075216.7/108

- sign 0.014+/-0.000 χ^2/NDF: 11164403.9/55

yield_bpm11X_mean vs Slug



Right In: 0.967+/-0.000 χ^2/NDF: 2181048927.0/27

Left Out: 1.234+/-0.000 χ^2/NDF:3043934887.1/24

Right Out: 0.964+/-0.000 χ^2/NDF: 2446682208.5/32

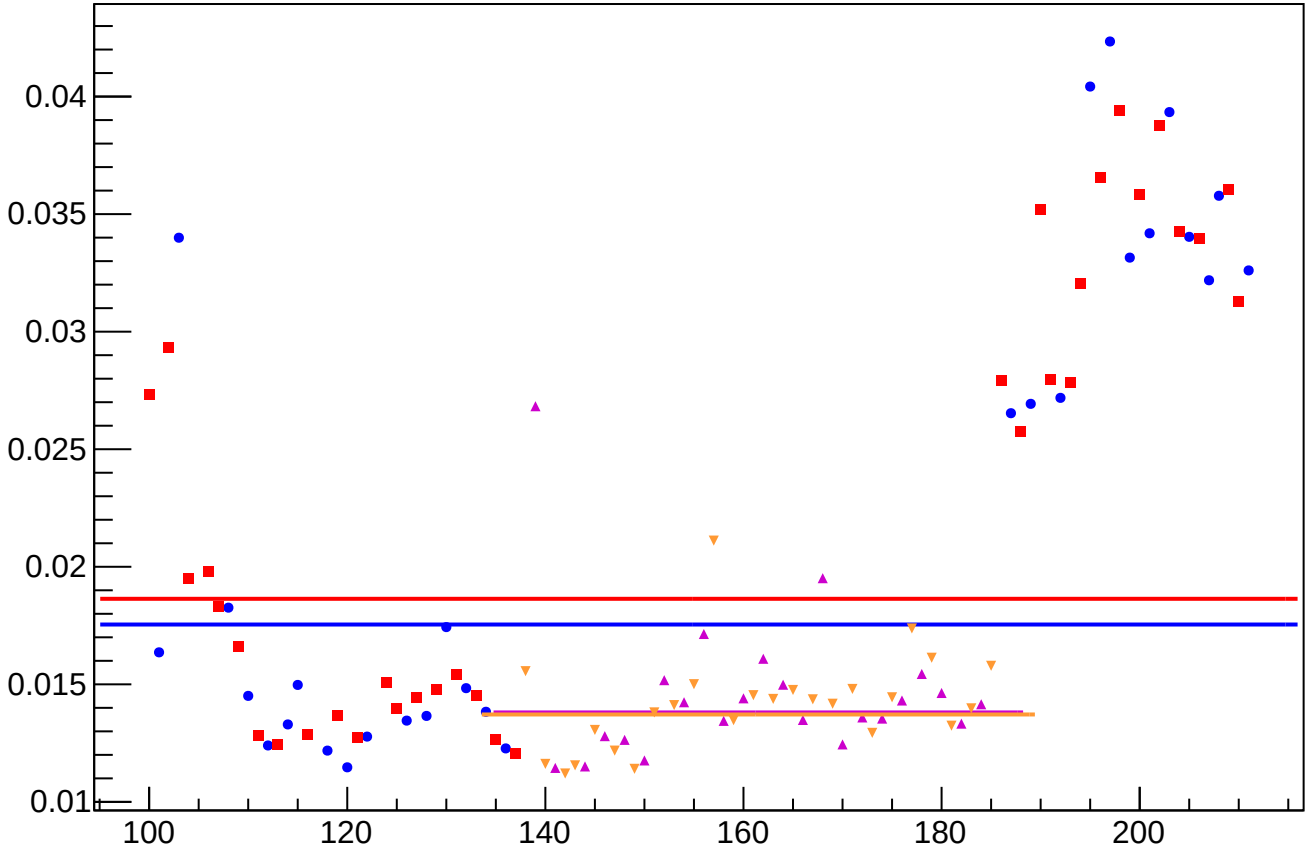
Left In: 1.224+/-0.000 χ^2/NDF:2653773297.1/22

+ sign 1.151+/-0.000 χ^2/NDF: 7197412367.6/52

All: 1.147+/-0.000 χ^2/NDF: 14142960862.1/1

- sign 1.141+/-0.000 χ^2/NDF: 6939079791.1/55

yield_bpm11X_rms vs Slug



Right In: 0.018+/-0.000 χ^2/NDF: 5499502.3/27

Left Out: 0.014+/-0.000 χ^2/NDF:550789.3/24

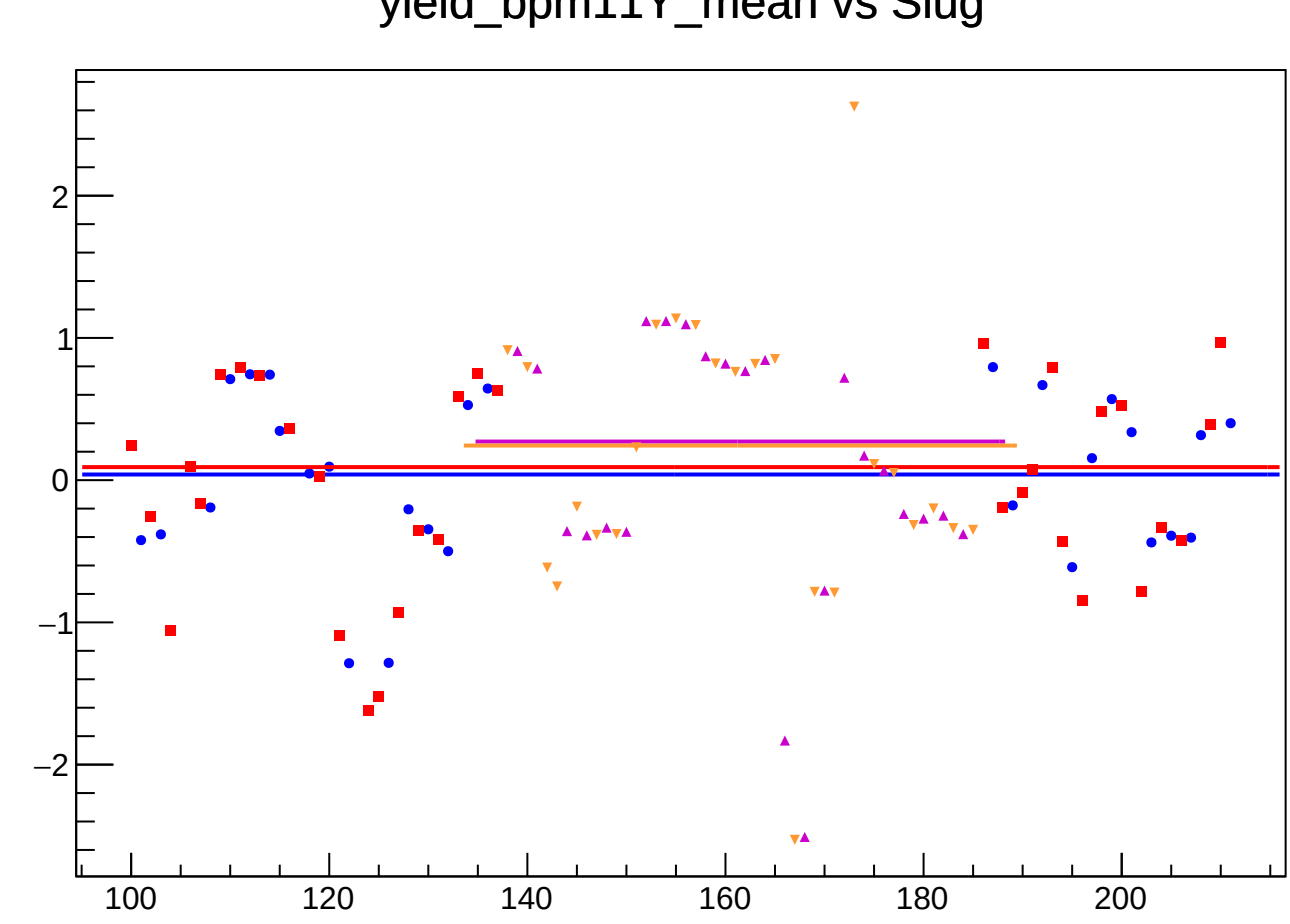
Right Out: 0.019+/-0.000 χ^2/NDF: 5379287.0/32

Left In: 0.014+/-0.000 χ^2/NDF:870104.2/22

+ sign 0.015+/-0.000 χ^2/NDF: 6862903.1/52

All: 0.015+/-0.000 χ^2/NDF: 14406578.5/108

- sign 0.015+/-0.000 χ^2/NDF: 7517964.4/55



Right In: 0.040+/-0.000 χ^2/NDF: 25444957962.0/27

Left Out: 0.243+/-0.000 χ^2/NDF:105591710525.9/24

Right Out: 0.092+/-0.000 χ^2/NDF: 44629410450.6/32

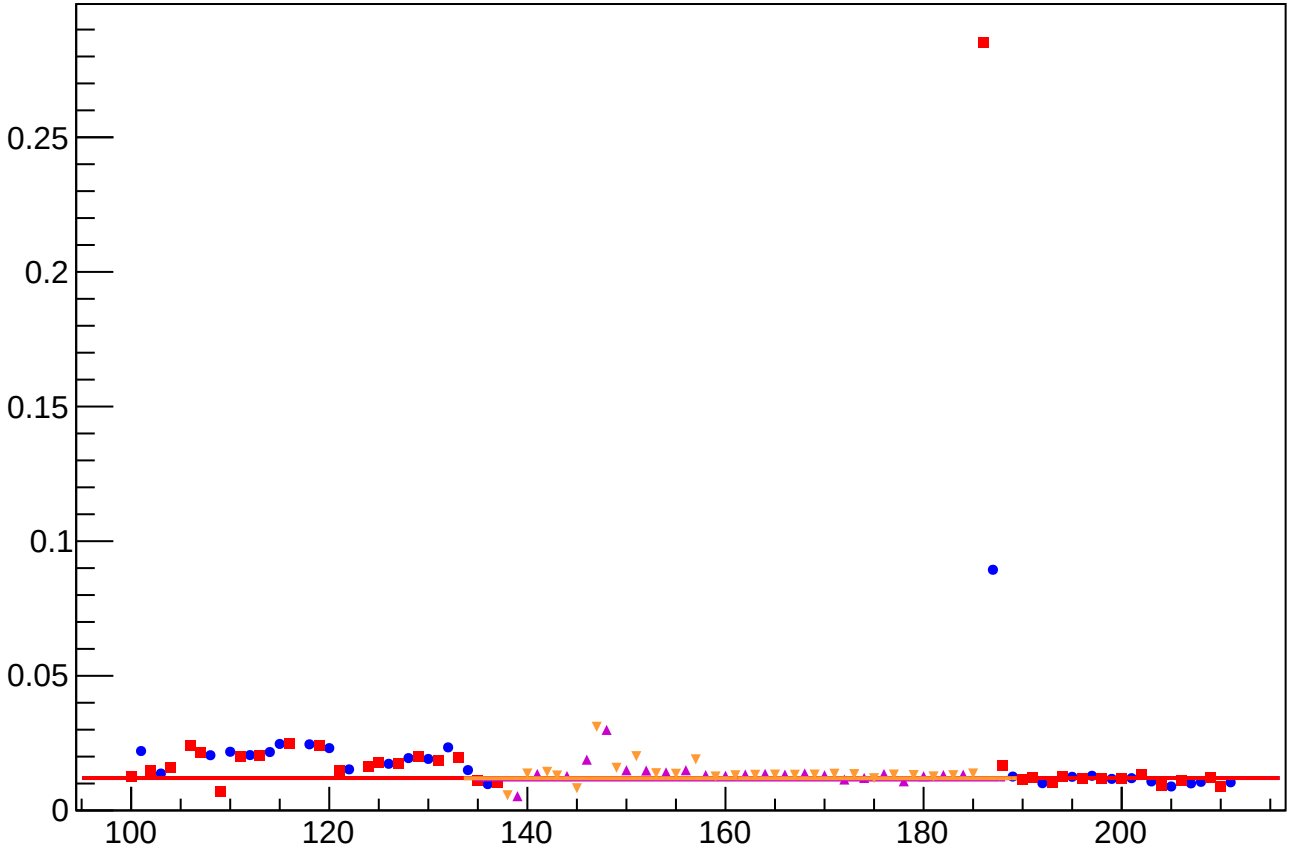
Left In: 0.271+/-0.000 χ^2/NDF:90500933388.6/22

+ sign 0.153+/-0.000 χ^2/NDF: 133194595253.8/52

All: 0.171+/-0.000 χ^2/NDF: 270212330381.7

- sign 0.189+/-0.000 χ^2/NDF: 136881870921.8/55

yield_bpm11Y_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF: 2564360.1/27

Left Out: 0.012+/-0.000 χ^2/NDF:3266034.8/24

Right Out: 0.012+/-0.000 χ^2/NDF: 3128340.2/32

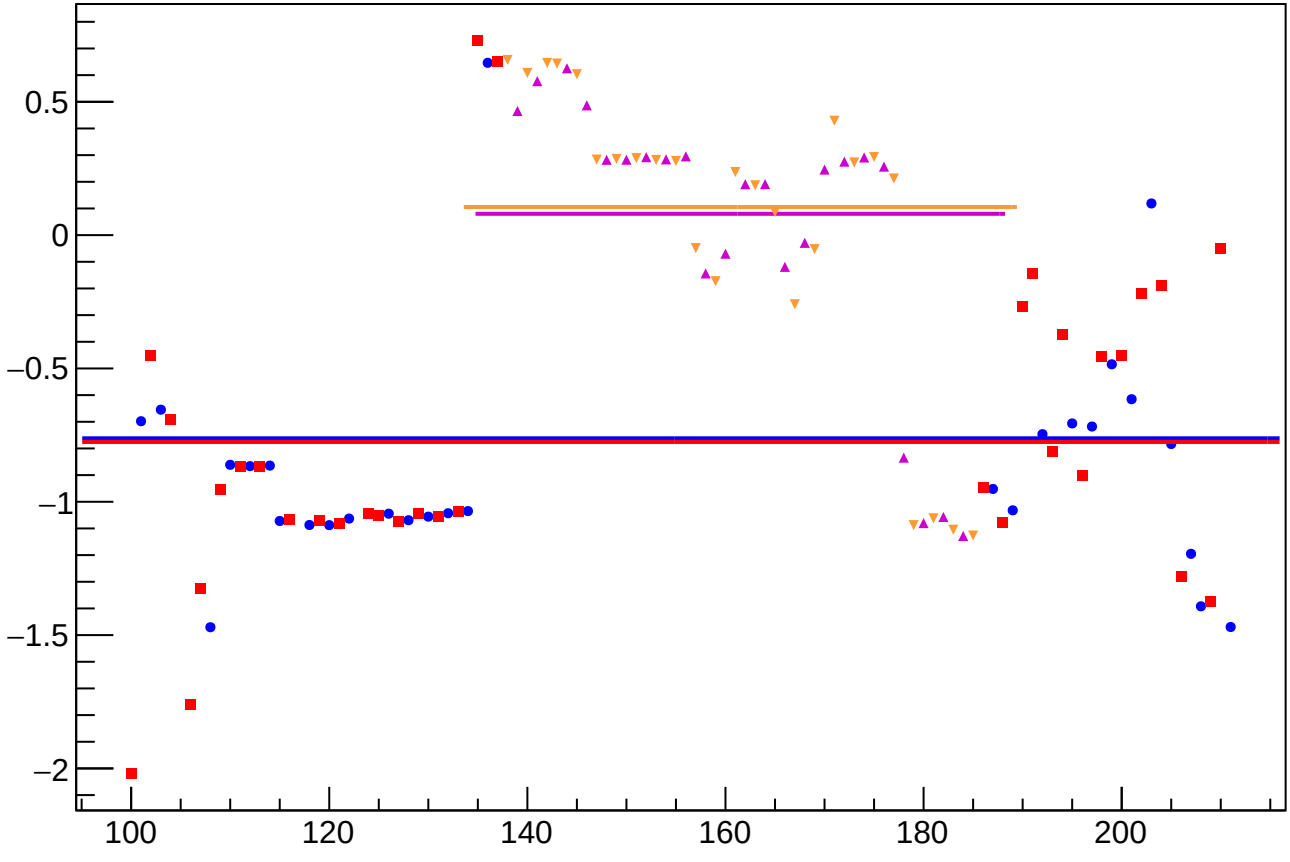
Left In: 0.011+/-0.000 χ^2/NDF:3671096.5/22

+ sign 0.012+/-0.000 χ^2/NDF: 5831387.5/52

All: 0.012+/-0.000 χ^2/NDF: 12677495.6/108

- sign 0.012+/-0.000 χ^2/NDF: 6832744.6/55

yield_bpm12X_mean vs Slug



Right In: -0.762+/-0.000 χ^2/NDF: 2310992918.0/27

Left Out: 0.105+/-0.000 χ^2/NDF:3787188881.7/24

Right Out: -0.776+/-0.000 χ^2/NDF: 2212772082.3/32

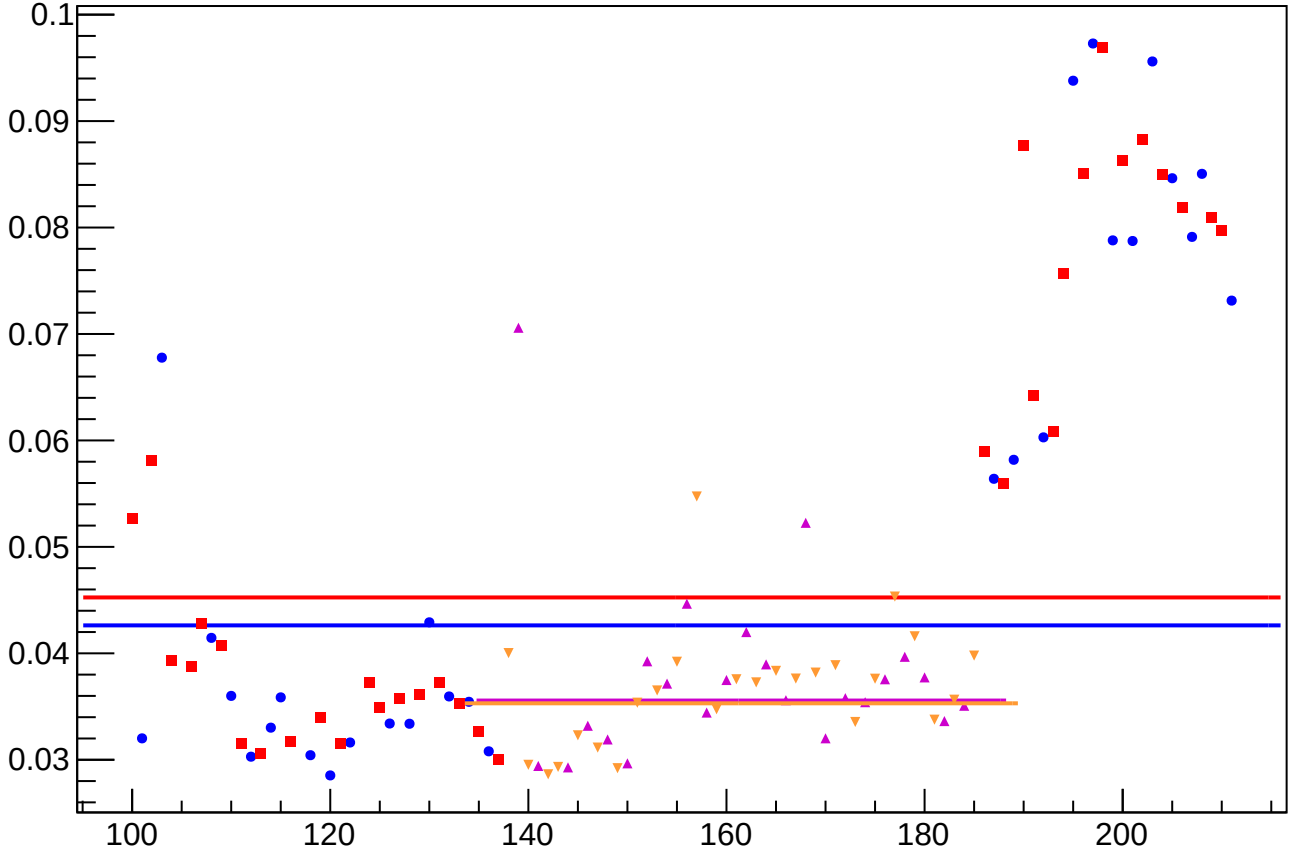
Left In: 0.080+/-0.000 χ^2/NDF:3269598614.0/22

+ sign -0.192+/-0.000 χ^2/NDF: 9579038874.6/52

All: -0.207+/-0.000 χ^2/NDF: 18356436998.1/

- sign -0.222+/-0.000 χ^2/NDF: 8768478757.3/55

yield_bpm12X_rms vs Slug



Right In: 0.043+/-0.000 χ^2/NDF: 5131270.4/27

Left Out: 0.035+/-0.000 χ^2/NDF:612627.1/24

Right Out: 0.045+/-0.000 χ^2/NDF: 4869369.5/32

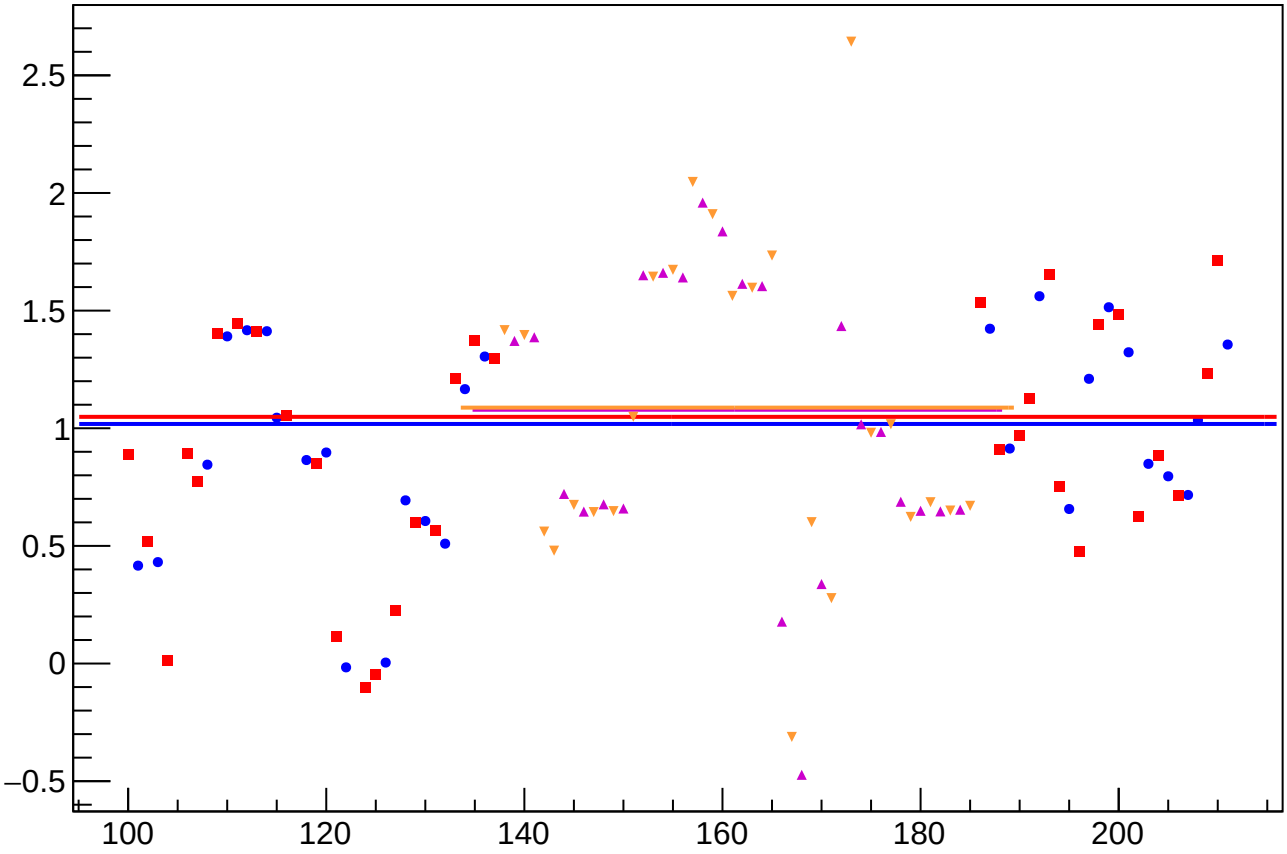
Left In: 0.036+/-0.000 χ^2/NDF:960383.5/22

+ sign 0.038+/-0.000 χ^2/NDF: 6239942.8/52

All: 0.038+/-0.000 χ^2/NDF: 12939265.0/108

- sign 0.039+/-0.000 χ^2/NDF: 6672009.8/55

yield_bpm12Y_mean vs Slug



Right In: 1.018+/-0.000 χ^2/NDF: 32804440585.0/27

Left Out: 1.088+/-0.000 χ^2/NDF:93851056436.3/24

Right Out: 1.049+/-0.000 χ^2/NDF: 49694492389.9/32

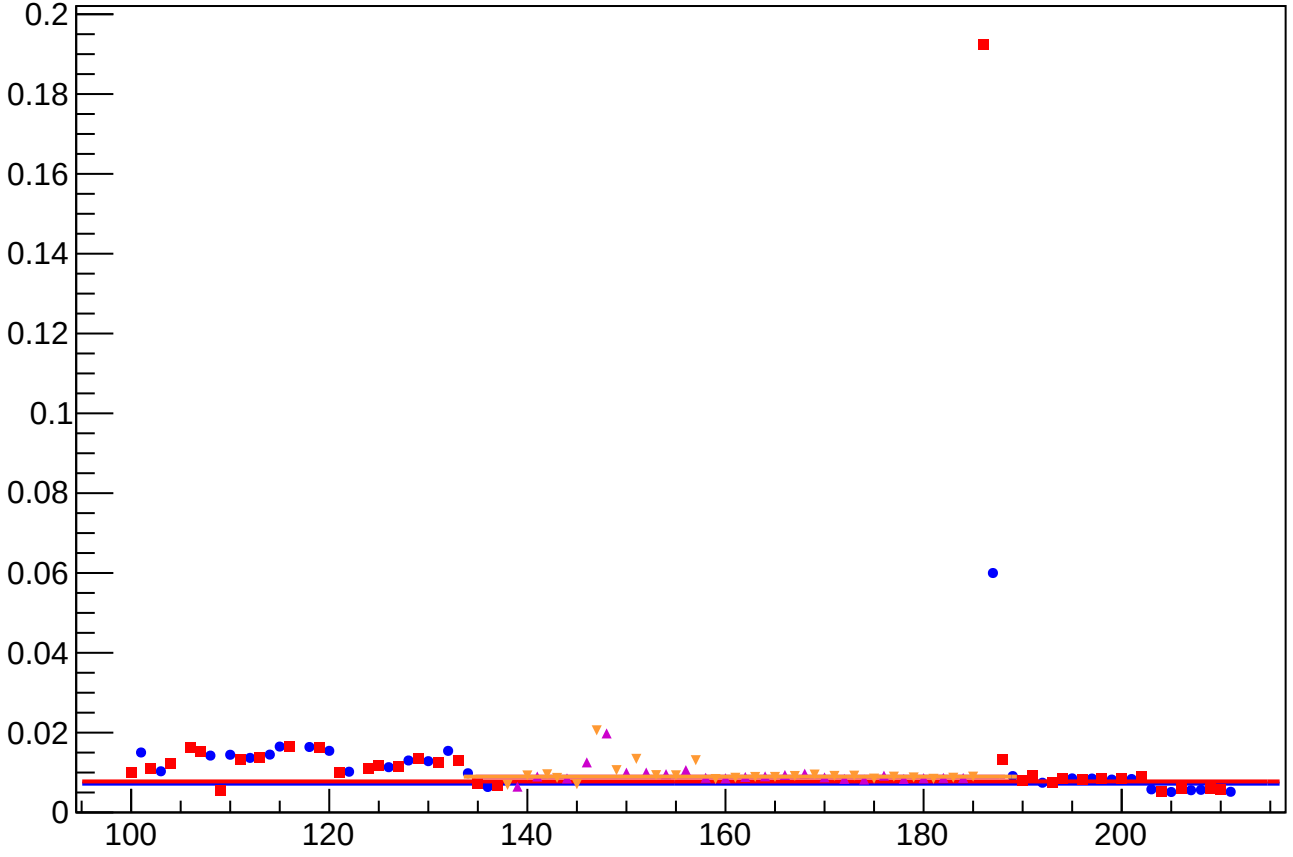
Left In: 1.079+/-0.000 χ^2/NDF:74081002727.0/22

\+ sign 1.050+/-0.000 χ^2/NDF: 127236780782.2/52

All: 1.056+/-0.000 χ^2/NDF: 251150437867.8

\- sign 1.063+/-0.000 χ^2/NDF: 123878868375.4/55

yield_bpm12Y_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 3765547.8/27

Left Out: 0.009+/-0.000 χ^2/NDF:1146497.6/24

Right Out: 0.008+/-0.000 χ^2/NDF: 3843515.7/32

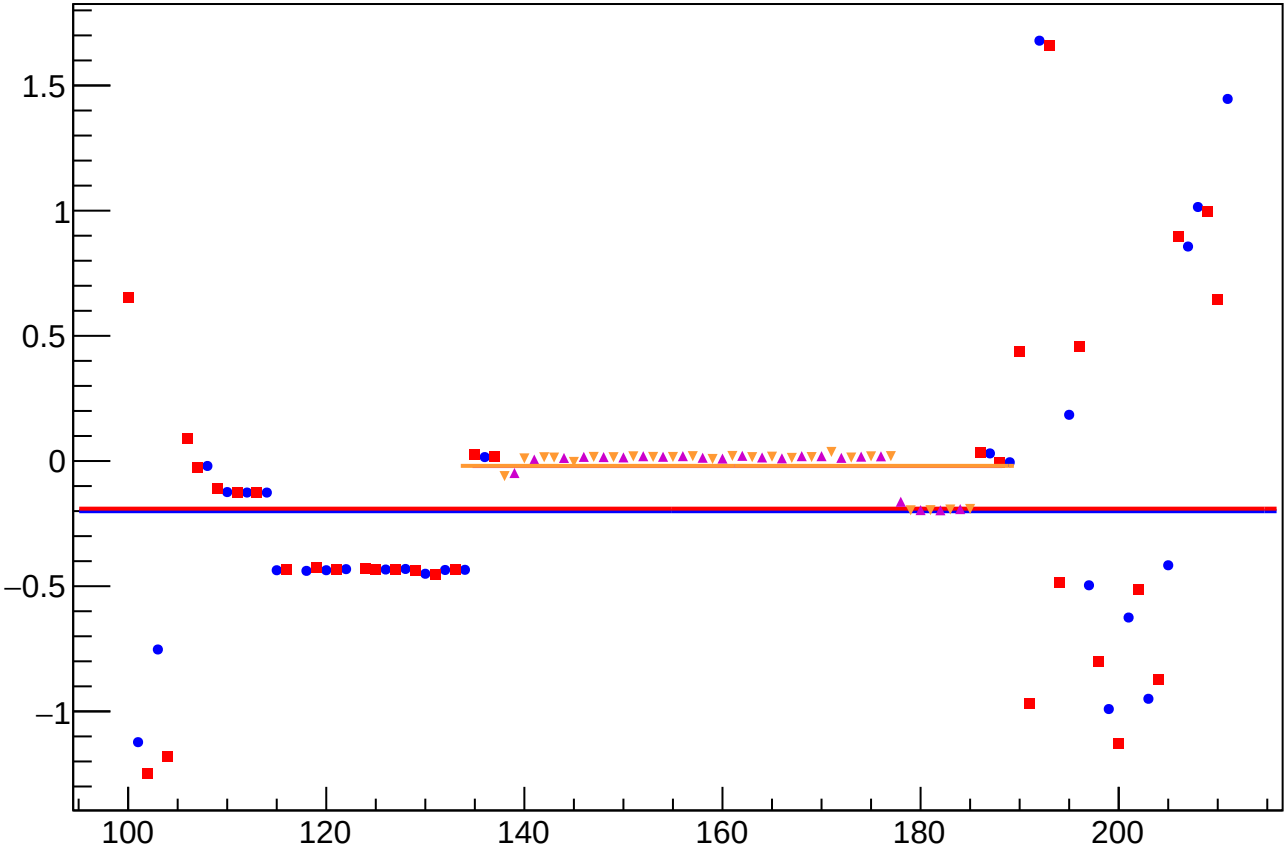
Left In: 0.009+/-0.000 χ^2/NDF:966765.2/22

+ sign 0.008+/-0.000 χ^2/NDF: 5654799.7/52

All: 0.008+/-0.000 χ^2/NDF: 10818937.5/108

- sign 0.008+/-0.000 χ^2/NDF: 5125492.9/55

yield_bpm16X_mean vs Slug



Right In: -0.200+/-0.000 χ^2/NDF: 5930134650.4/27

Left Out: -0.019+/-0.000 χ^2/NDF:1058597672.8/24

Right Out: -0.190+/-0.000 χ^2/NDF: 4546424758.7/32

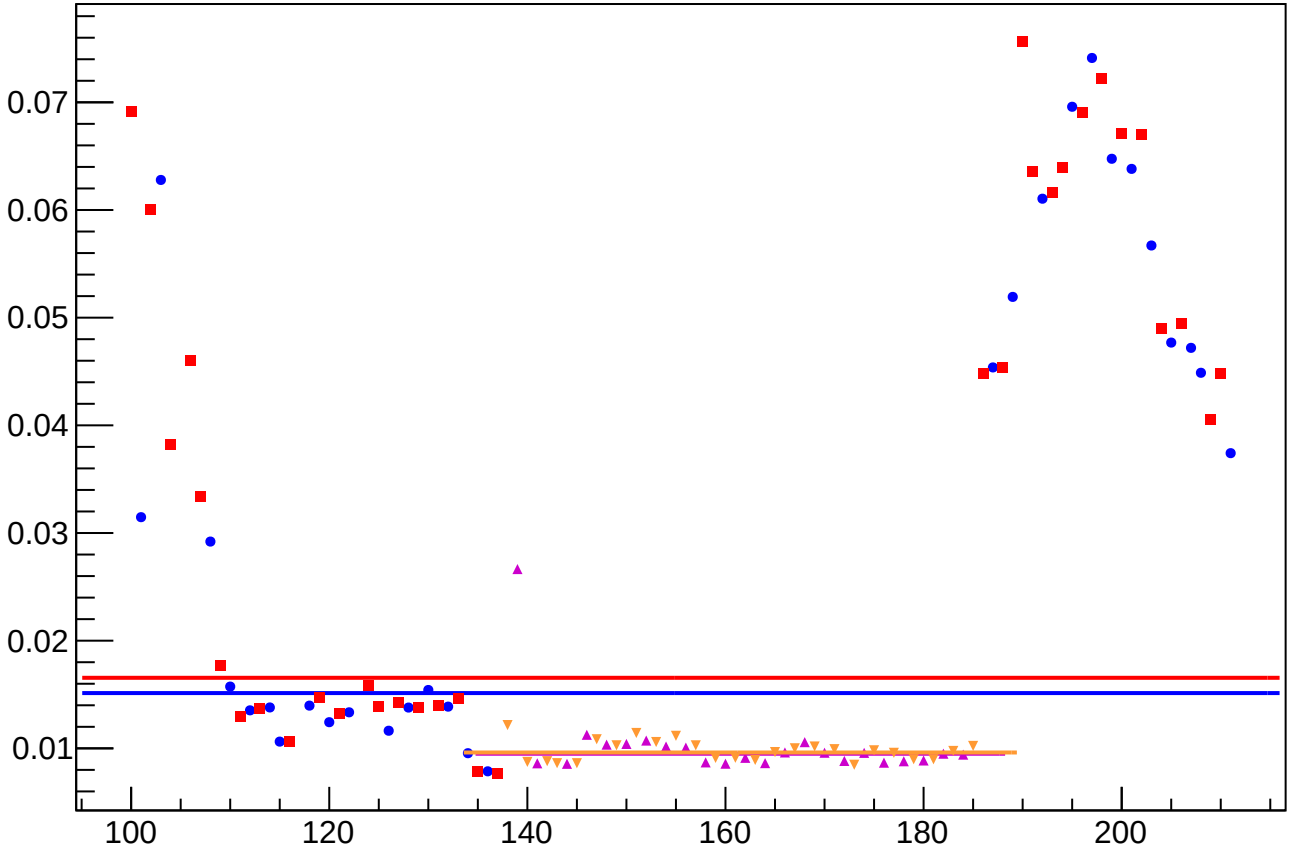
Left In: -0.020+/-0.000 χ^2/NDF:984483299.5/22

+ sign -0.052+/-0.000 χ^2/NDF: 8031249762.1/52

All: -0.051+/-0.000 χ^2/NDF: 14407008487.5/

- sign -0.049+/-0.000 χ^2/NDF: 6375206964.6/55

yield_bpm16X_rms vs Slug



Right In: 0.015+/-0.000 χ^2/NDF: 12060355.4/27

Left Out: 0.010+/-0.000 χ^2/NDF:271912.7/24

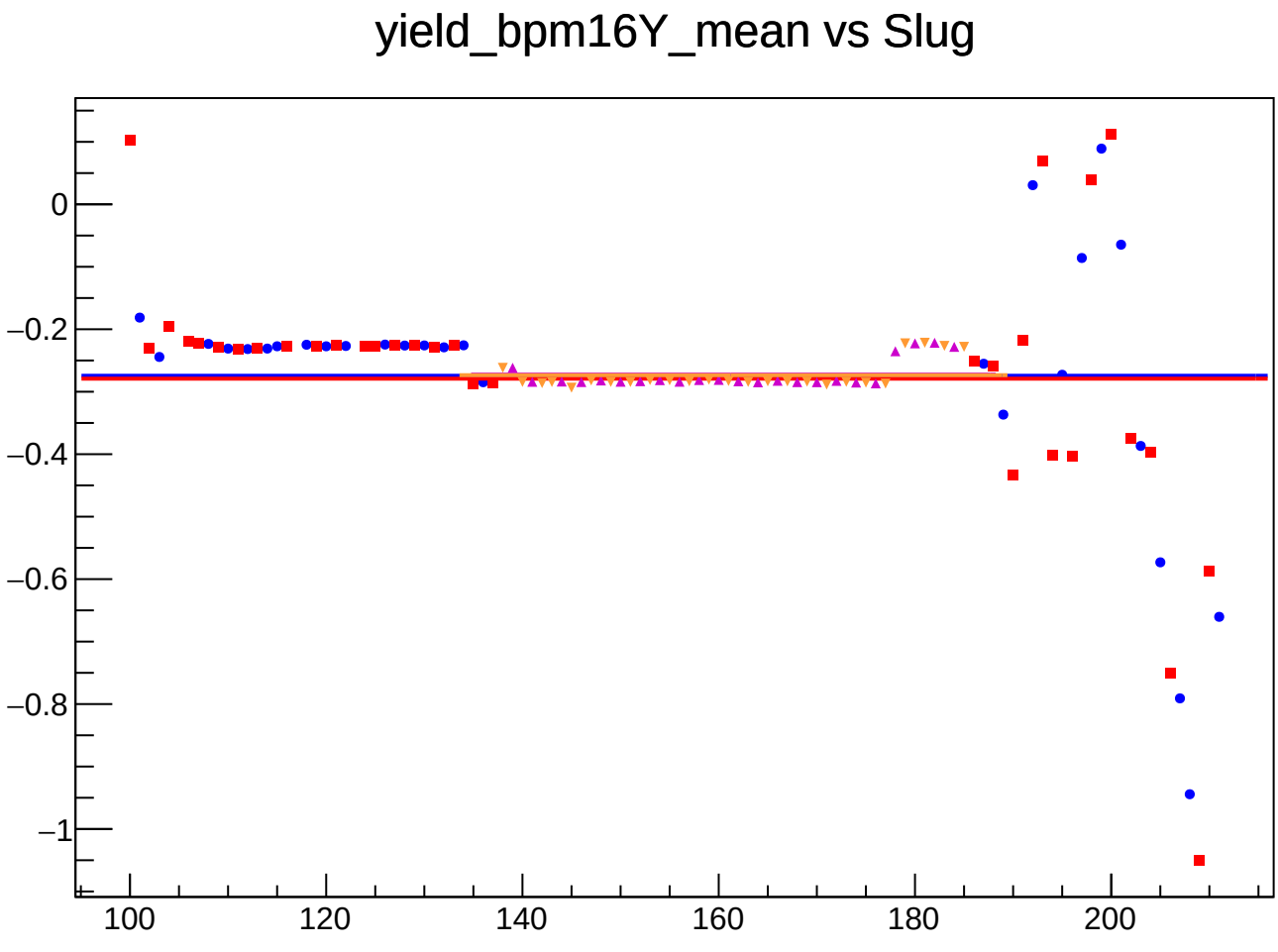
Right Out: 0.017+/-0.000 χ^2/NDF: 13265520.1/32

Left In: 0.009+/-0.000 χ^2/NDF:900469.0/22

+ sign 0.011+/-0.000 χ^2/NDF: 14266925.1/52

All: 0.011+/-0.000 χ^2/NDF: 31337195.8/108

- sign 0.011+/-0.000 χ^2/NDF: 17067634.5/55



Right In: -0.274+/-0.000 χ^2/NDF: 26896911920.3/27

Left Out: -0.274+/-0.000 χ^2/NDF:395563277.1/24

Right Out: -0.279+/-0.000 χ^2/NDF: 27267694887.4/32

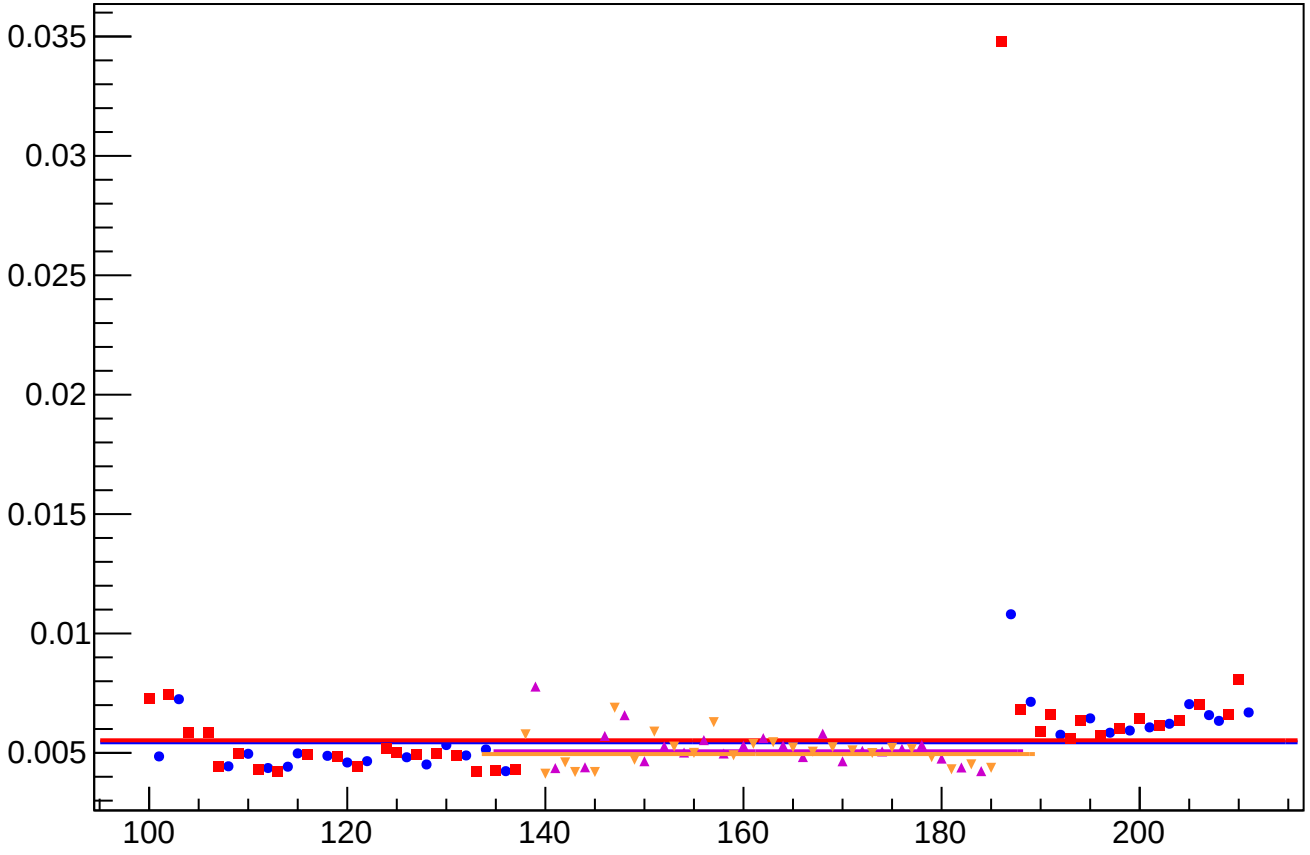
Left In: -0.273+/-0.000 χ^2/NDF:335149425.2/22

+ sign -0.274+/-0.000 χ^2/NDF: 27292734370.2/52

All: -0.275+/-0.000 χ^2/NDF: 54909495525.3/

- sign -0.275+/-0.000 χ^2/NDF: 27615237456.6/55

yield_bpm16Y_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF: 921531.6/27

Left Out: 0.005+/-0.000 χ^2/NDF:528766.8/24

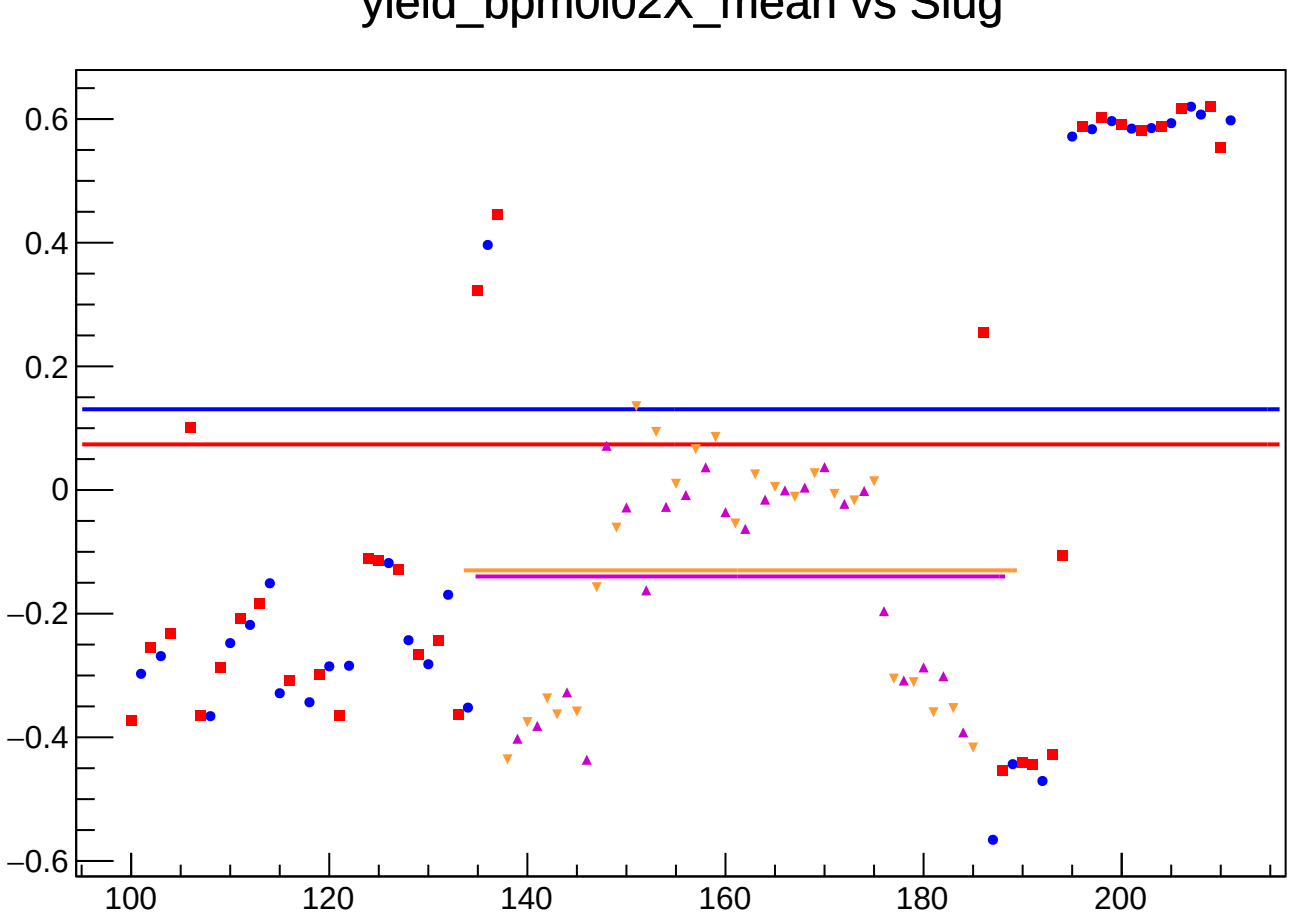
Right Out: 0.006+/-0.000 χ^2/NDF: 1624569.8/32

Left In: 0.005+/-0.000 χ^2/NDF:539392.8/22

+ sign 0.005+/-0.000 χ^2/NDF: 1596558.5/52

All: 0.005+/-0.000 χ^2/NDF: 3902827.0/108

- sign 0.005+/-0.000 χ^2/NDF: 2288989.0/55



Right In: 0.131+/-0.000 χ^2/NDF: 68805708422.4/27

Left Out: -0.130+/-0.000 χ^2/NDF:21496239338.5/24

Right Out: 0.074+/-0.000 χ^2/NDF: 69027876540.9/32

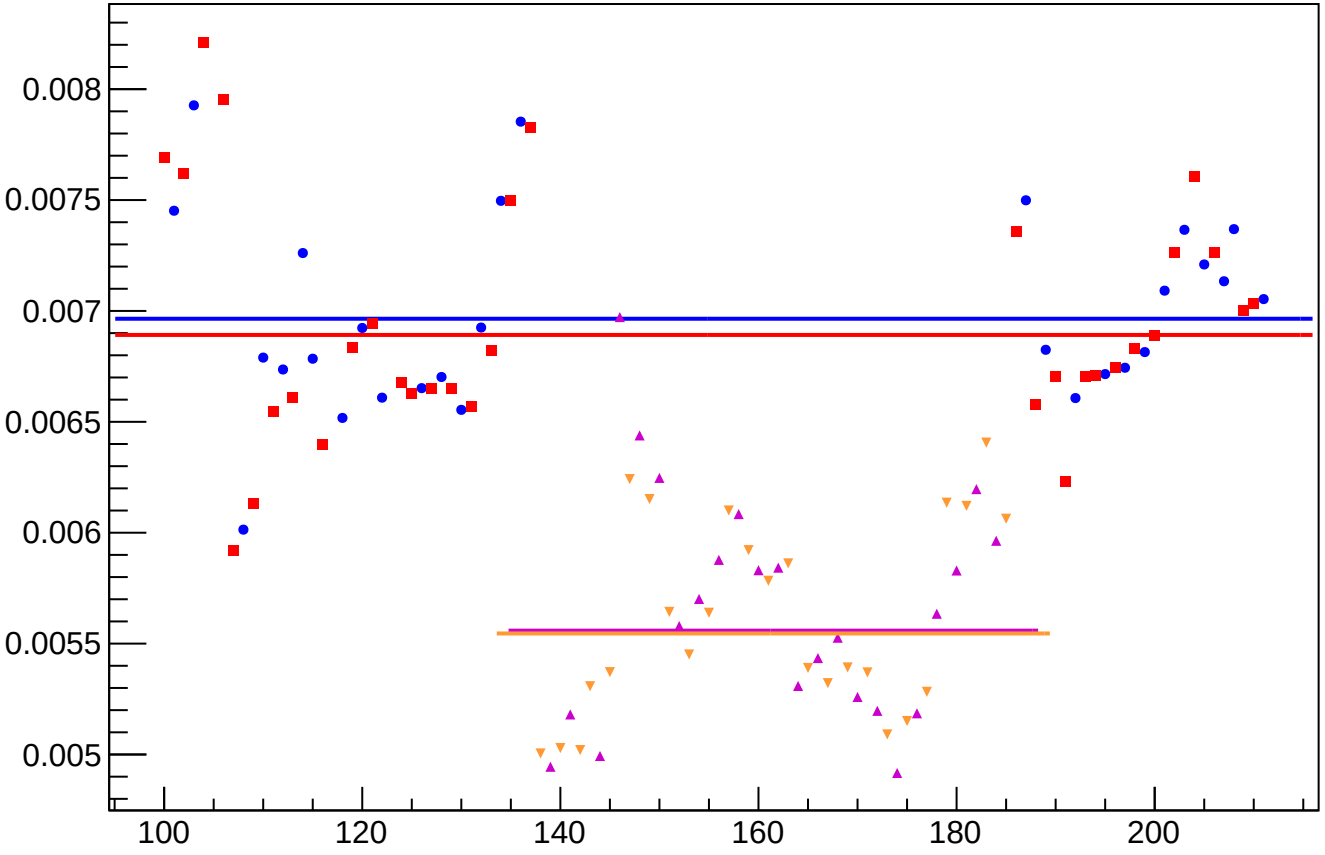
Left In: -0.140+/-0.000 χ^2/NDF:15148699439.4/22

+ sign -0.036+/-0.000 χ^2/NDF: 104900513841.2/52

All: -0.045+/-0.000 χ^2/NDF: 199440465326.2

- sign -0.054+/-0.000 χ^2/NDF: 94381454526.0/55

yield_bpm0i02X_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 112262.8/27

Left Out: 0.006+/-0.000 χ^2/NDF:201874.8/24

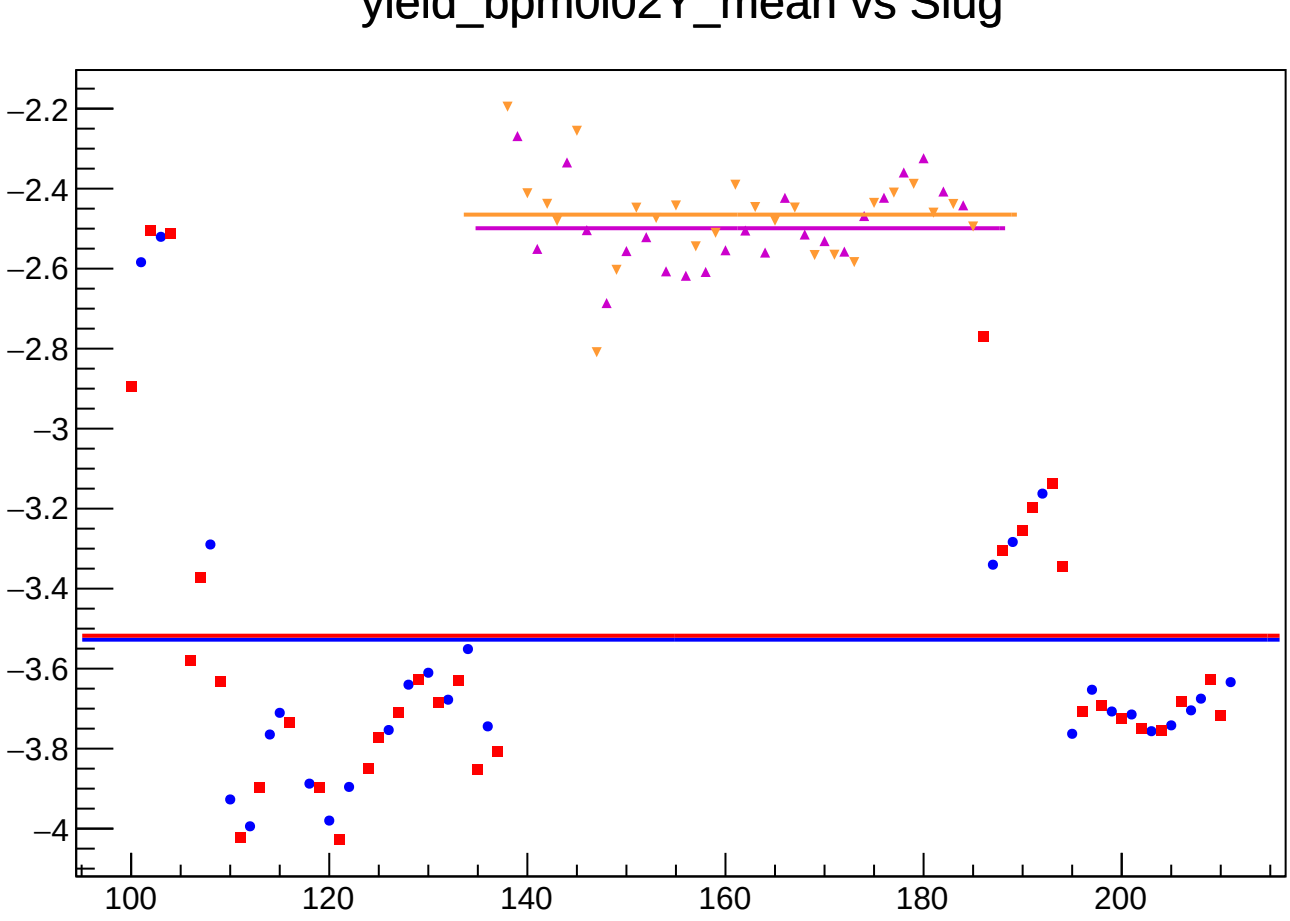
Right Out: 0.007+/-0.000 χ^2/NDF: 143220.2/32

Left In: 0.006+/-0.000 χ^2/NDF:260994.3/22

+ sign 0.006+/-0.000 χ^2/NDF: 1180405.5/52

All: 0.006+/-0.000 χ^2/NDF: 2380465.0/108

- sign 0.006+/-0.000 χ^2/NDF: 1198966.9/55



Right In: -3.528+/-0.000 χ^2/NDF: 32871886725.6/27

Left Out: -2.465+/-0.000 χ^2/NDF:2167098053.0/24

Right Out: -3.518+/-0.000 χ^2/NDF: 34898283375.1/32

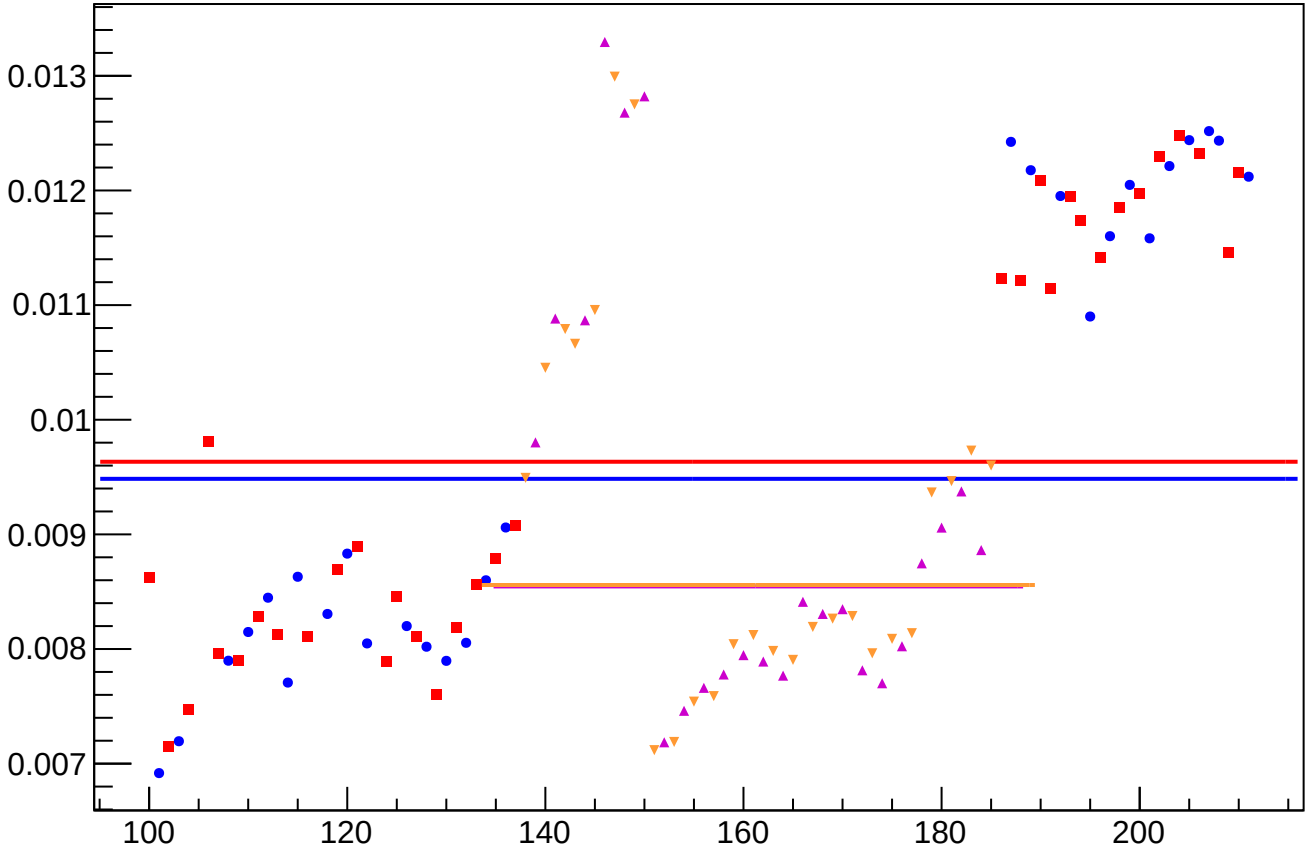
Left In: -2.499+/-0.000 χ^2/NDF:2273256162.3/22

+ sign -2.903+/-0.000 χ^2/NDF: 149926257535.9/52

All: -2.924+/-0.000 χ^2/NDF: 293934361181.4

- sign -2.946+/-0.000 χ^2/NDF: 143626776944.3/55

yield_bpm0i02Y_rms vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 1377497.3/27

Left Out: 0.009+/-0.000 χ^2/NDF:824029.0/24

Right Out: 0.010+/-0.000 χ^2/NDF: 1317077.9/32

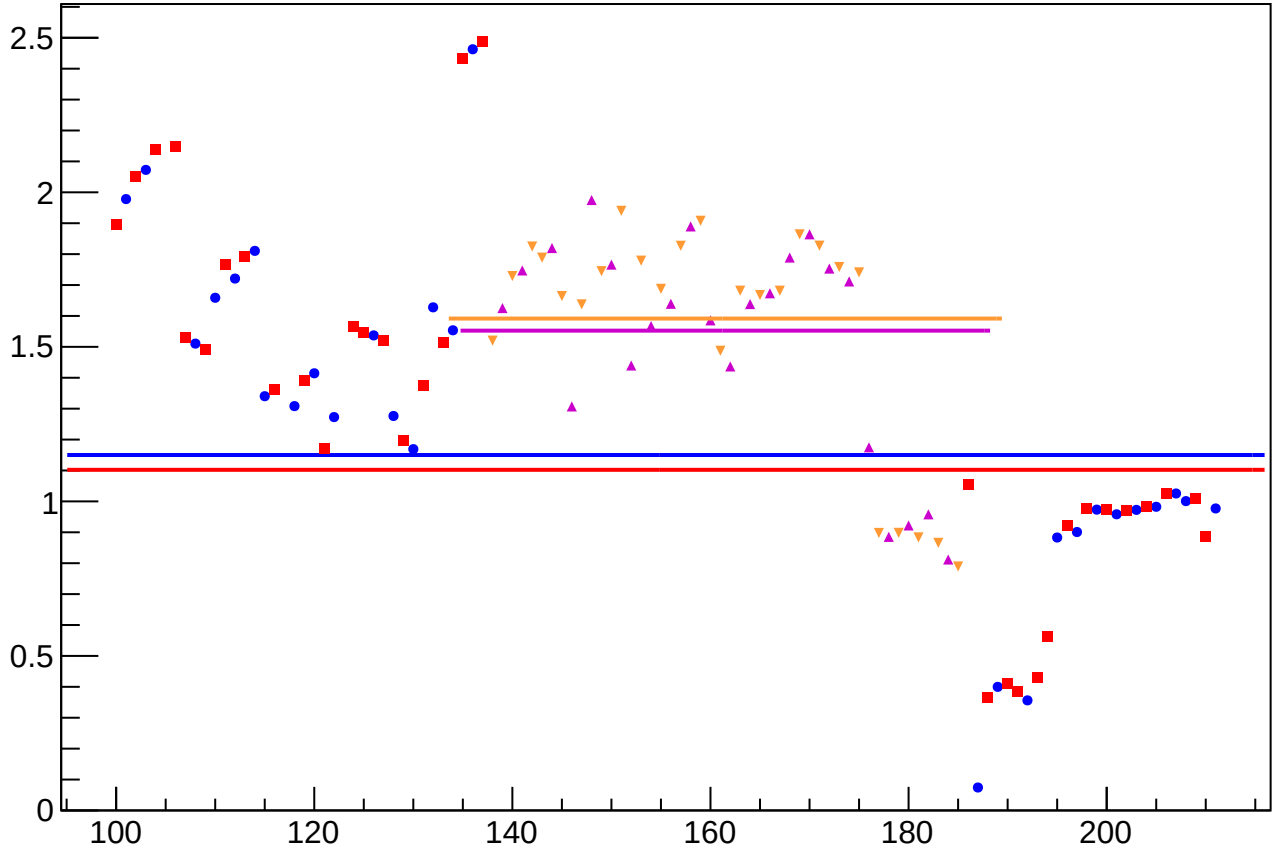
Left In: 0.009+/-0.000 χ^2/NDF:910760.2/22

+ sign 0.009+/-0.000 χ^2/NDF: 2376112.7/52

All: 0.009+/-0.000 χ^2/NDF: 4849546.2/108

- sign 0.009+/-0.000 χ^2/NDF: 2470574.4/55

yield_bpm0i02aX_mean vs Slug



Right In: 1.150+/-0.000 χ^2/NDF: 29555108466.3/27

Left Out: 1.592+/-0.000 χ^2/NDF:17078853061.6/24

Right Out: 1.102+/-0.000 χ^2/NDF: 34694216084.2/32

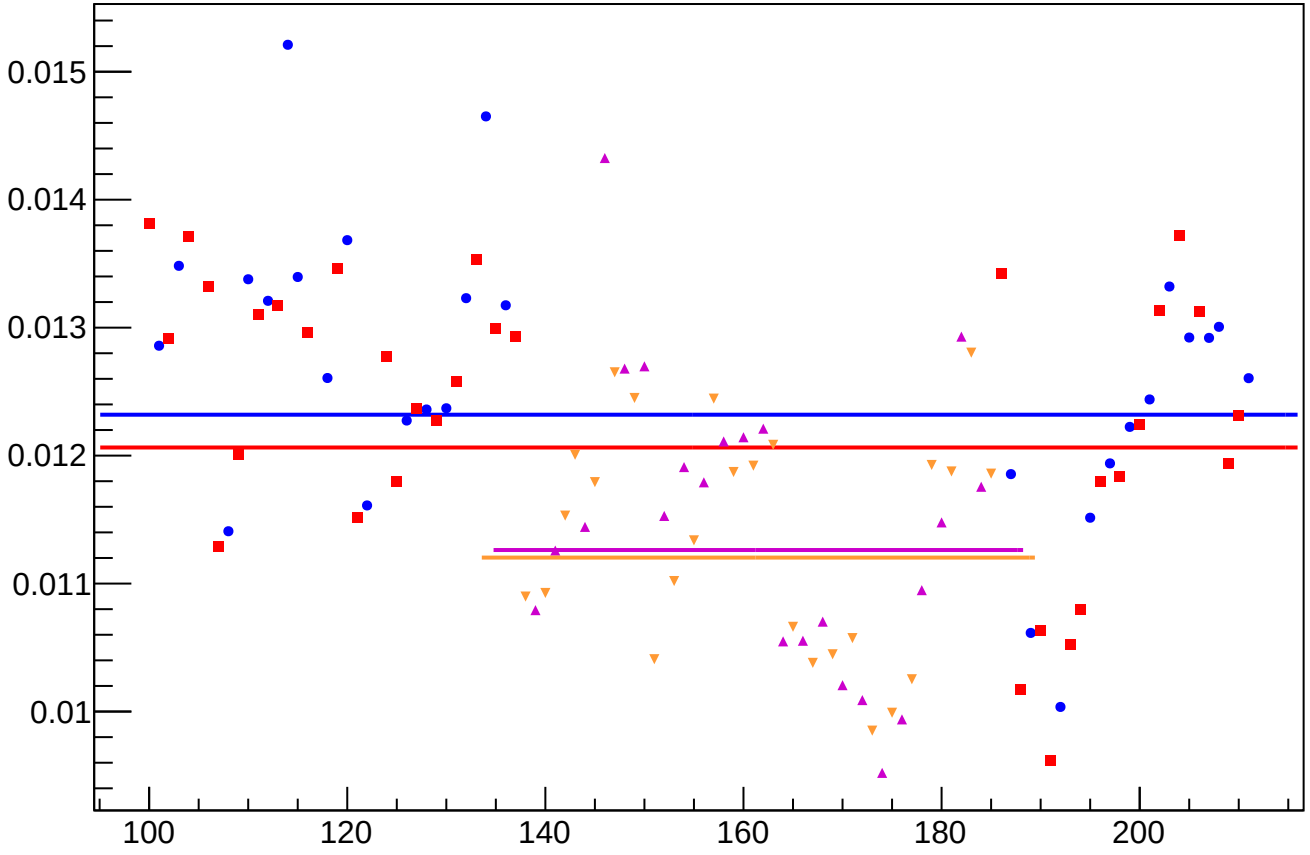
Left In: 1.552+/-0.000 χ^2/NDF:14055987405.9/22

+ sign 1.406+/-0.000 χ^2/NDF: 58678081399.1/52

All: 1.374+/-0.000 χ^2/NDF: 120935081004.9

- sign 1.342+/-0.000 χ^2/NDF: 61724870002.8/55

yield_bpm0i02aX_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF: 234972.8/27

Left Out: 0.011+/-0.000 χ^2/NDF:223594.3/24

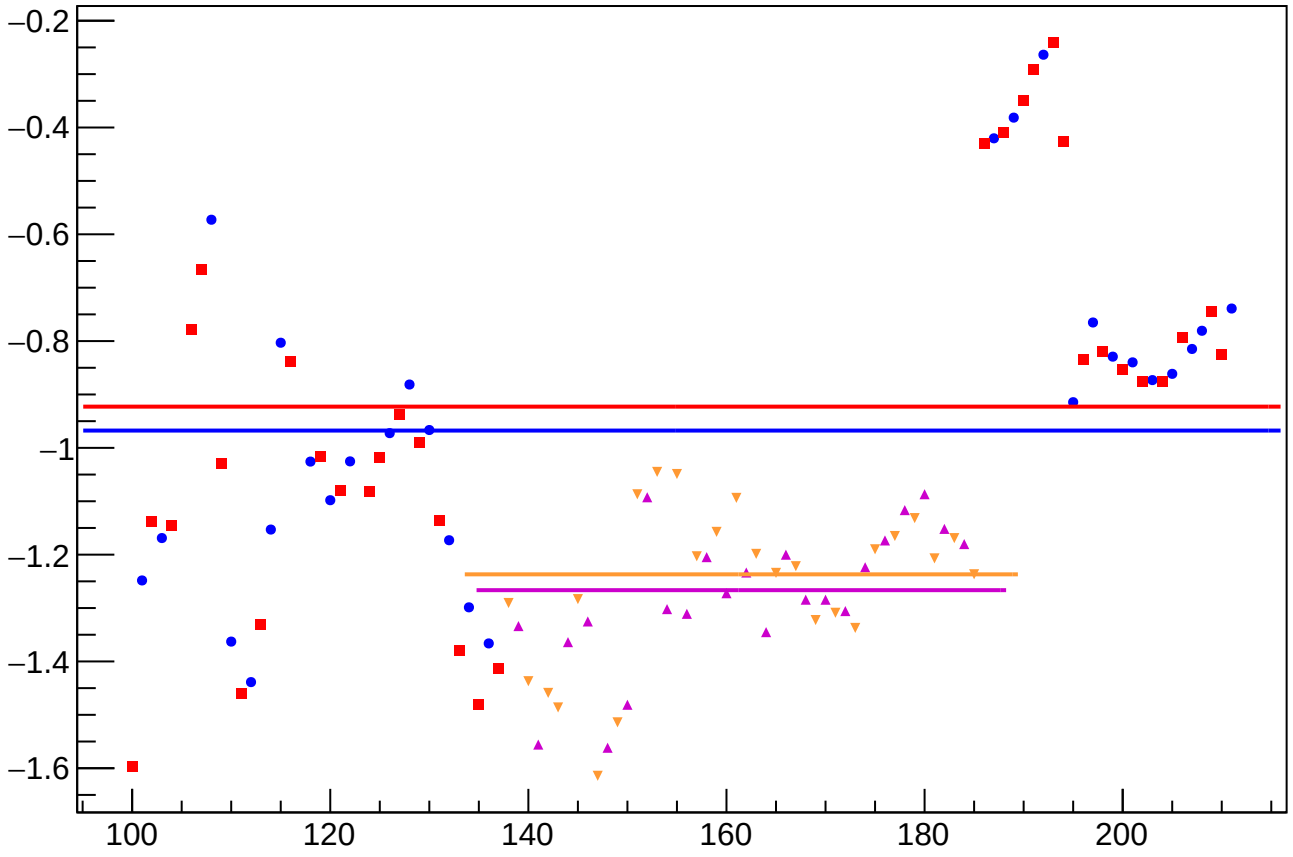
Right Out: 0.012+/-0.000 χ^2/NDF: 304604.9/32

Left In: 0.011+/-0.000 χ^2/NDF:311660.7/22

+ sign 0.012+/-0.000 χ^2/NDF: 612615.3/52

All: 0.012+/-0.000 χ^2/NDF: 1311330.0/108

- sign 0.012+/-0.000 χ^2/NDF: 698407.5/55



Right In: -0.968+/-0.000 χ^2/NDF: 12389764712.8/27

Left Out: -1.237+/-0.000 χ^2/NDF:4972272024.7/24

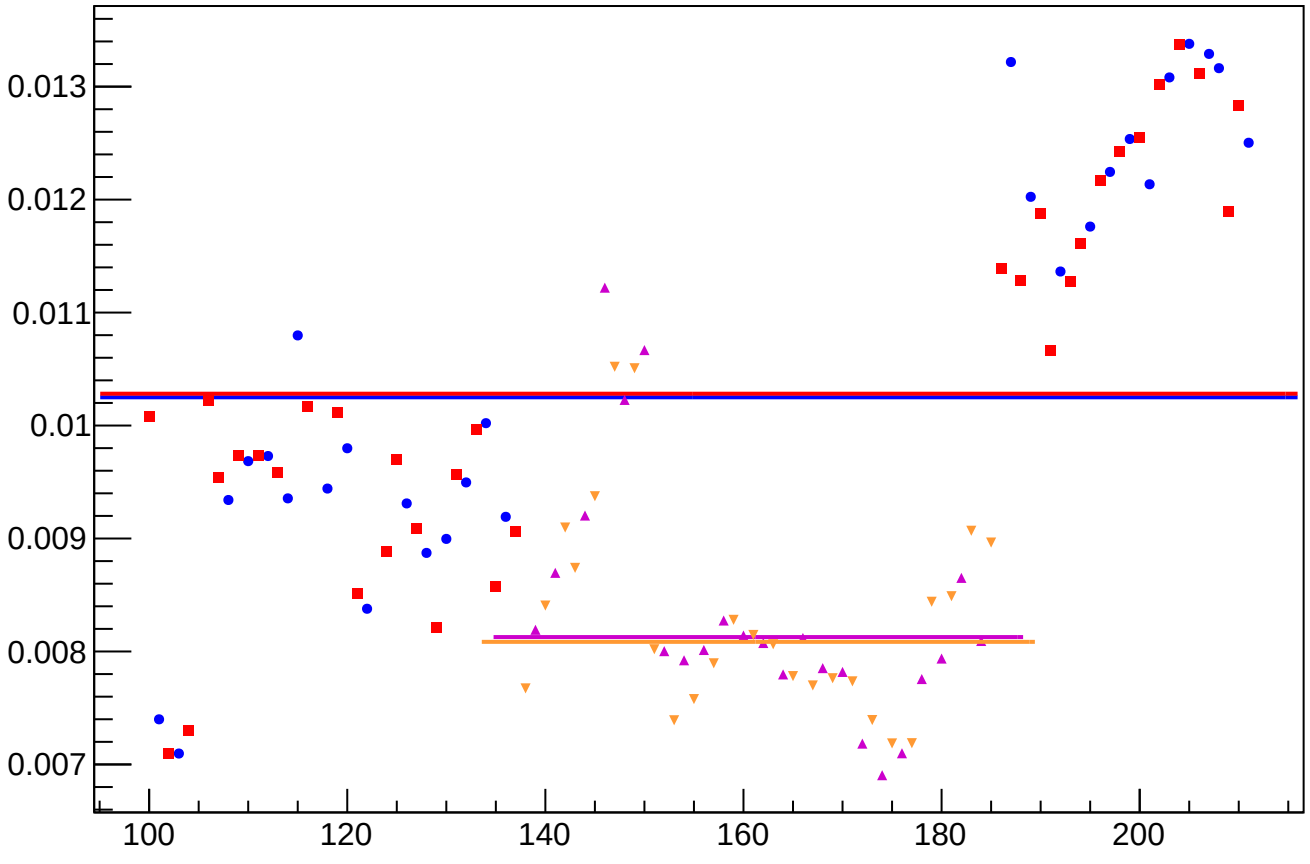
Right Out: -0.923+/-0.000 χ^2/NDF: 16962597830.0/32

Left In: -1.267+/-0.000 χ^2/NDF:3674801511.3/22

+ sign -1.143+/-0.000 χ^2/NDF: 24341425553.2/52

All: -1.139+/-0.000 χ^2/NDF: 56660354741.8/

- sign -1.136+/-0.000 χ^2/NDF: 32306845627.0/55



Right In: 0.010+/-0.000 χ^2/NDF: 1177238.1/27

Left Out: 0.008+/-0.000 χ^2/NDF:326825.0/24

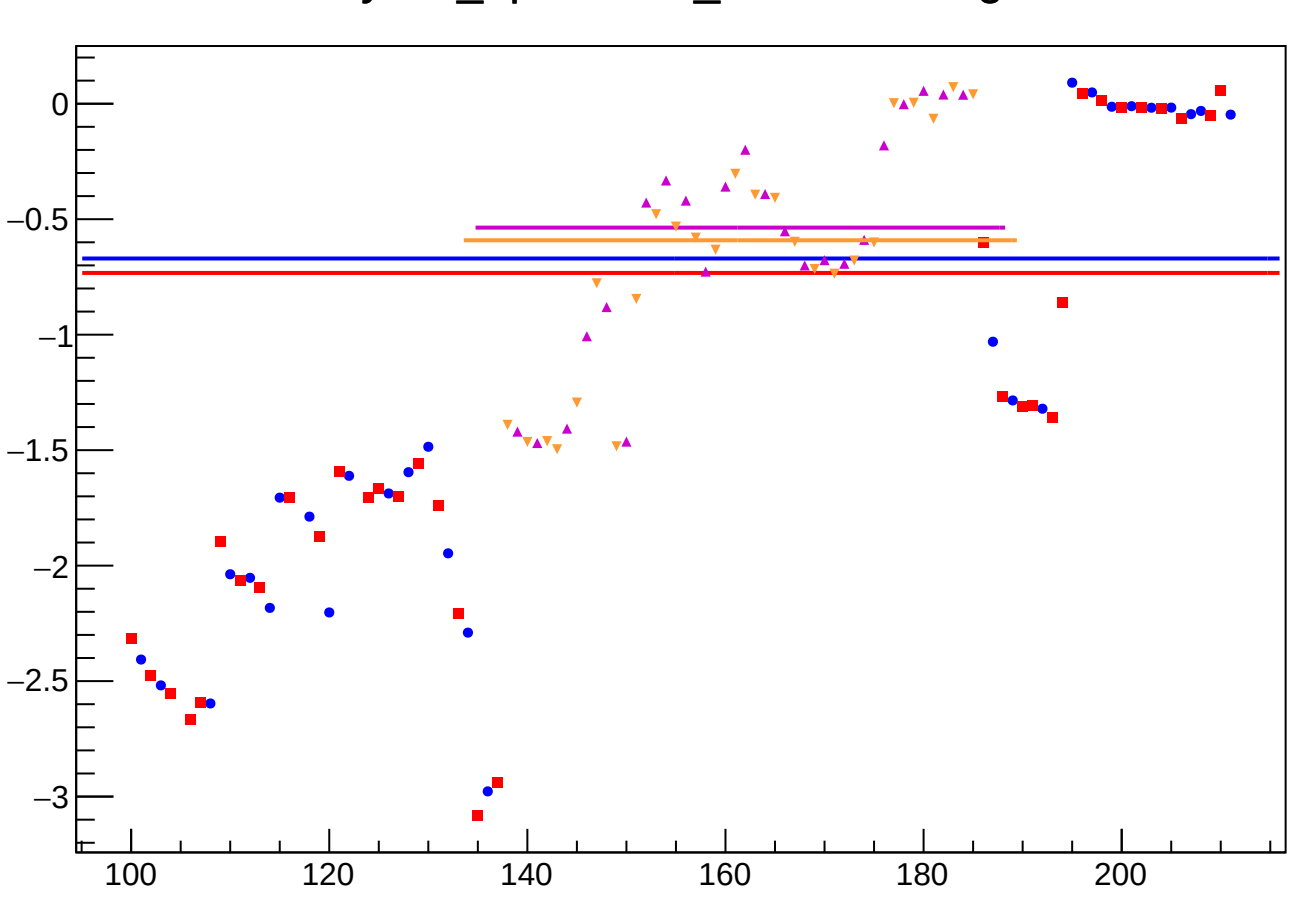
Right Out: 0.010+/-0.000 χ^2/NDF: 1158420.0/32

Left In: 0.008+/-0.000 χ^2/NDF:409030.0/22

+ sign 0.009+/-0.000 χ^2/NDF: 2406069.1/52

All: 0.009+/-0.000 χ^2/NDF: 4895267.9/108

- sign 0.009+/-0.000 χ^2/NDF: 2484147.4/55



Right In: -0.670+/-0.000 χ^2/NDF: 381587625111.3/27

Left Out: -0.591+/-0.000 χ^2/NDF:72678844667.5/24

Right Out: -0.733+/-0.000 χ^2/NDF: 415884062453.1/32

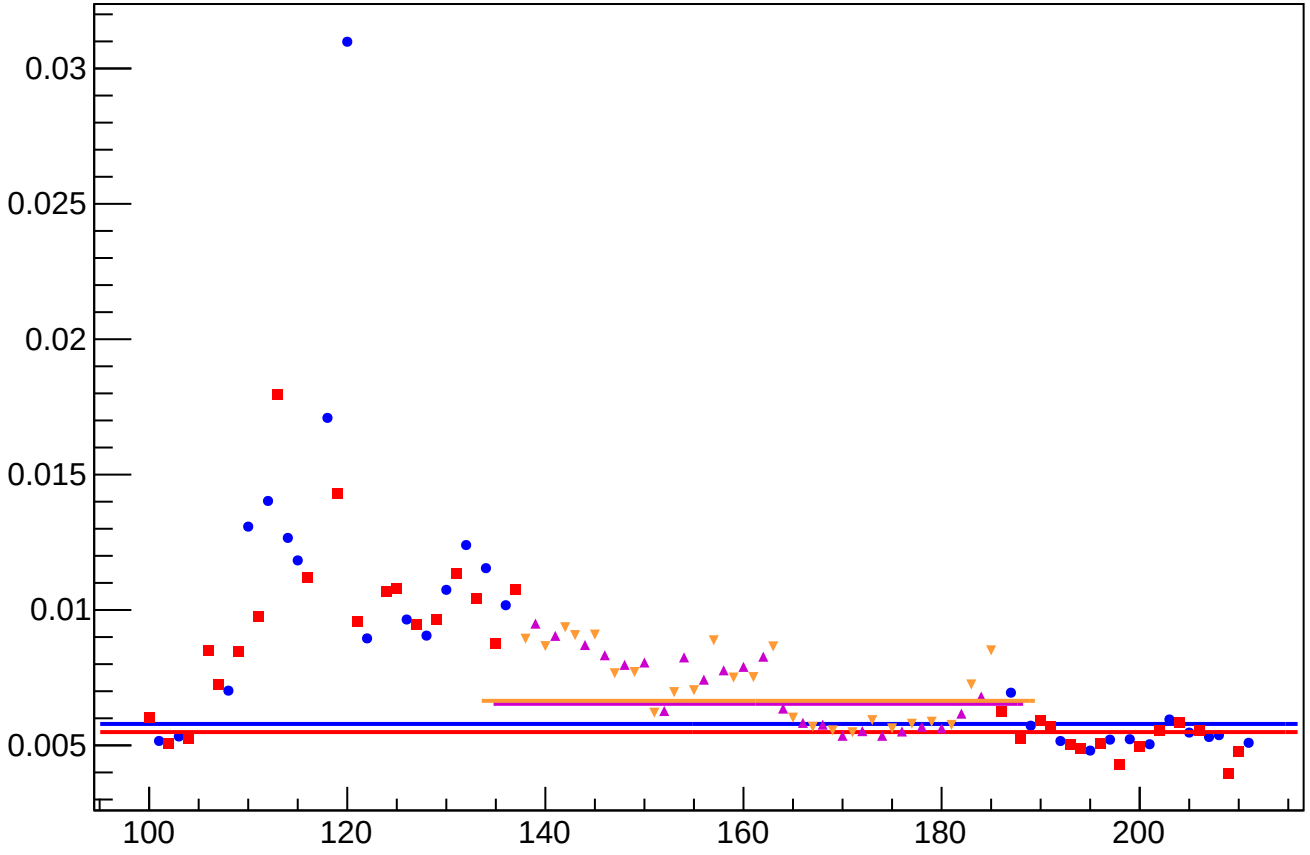
Left In: -0.536+/-0.000 χ^2/NDF:70168781562.6/22

+ sign -0.632+/-0.000 χ^2/NDF: 455479962138.7/52

All: -0.640+/-0.000 χ^2/NDF: 949764984276.1

- sign -0.648+/-0.000 χ^2/NDF: 494176728269.2/55

yield_bpm0i05X_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF: 2537593.0/27

Left Out: 0.007+/-0.000 χ^2/NDF:1091920.0/24

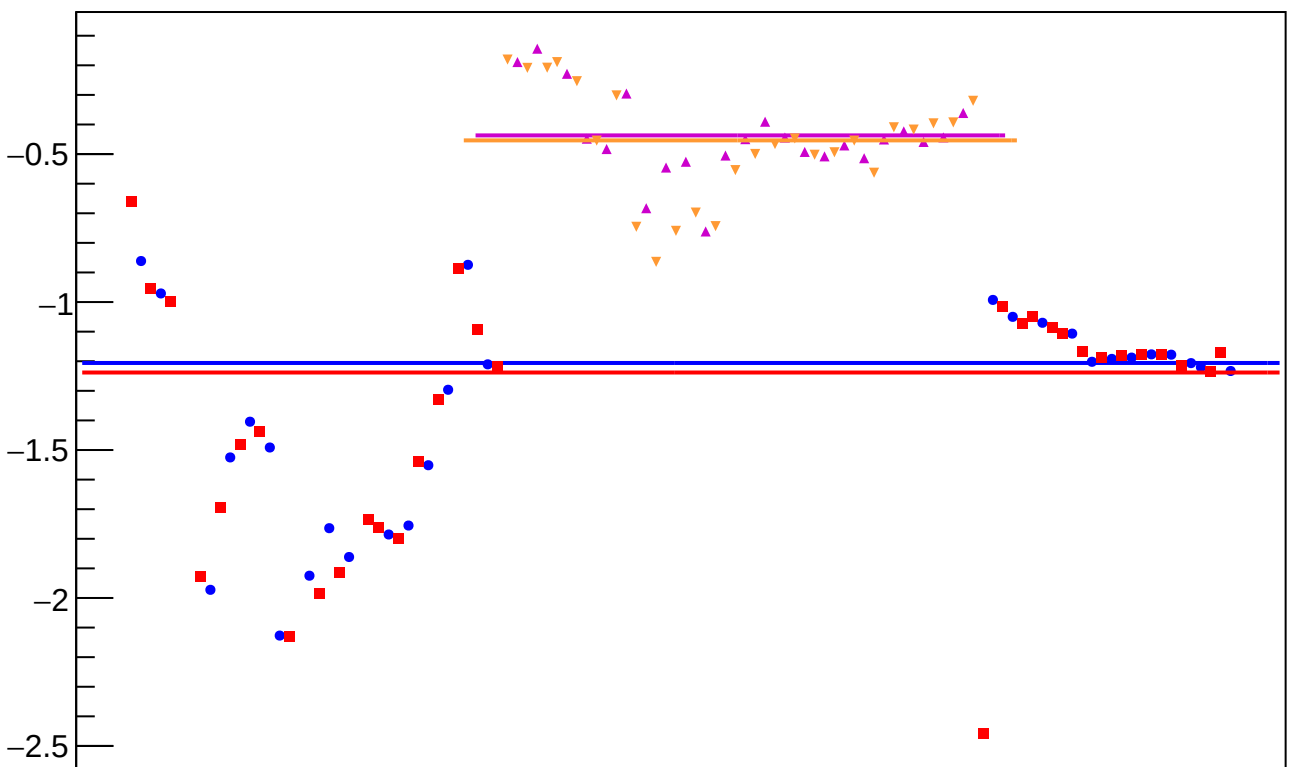
Right Out: 0.005+/-0.000 χ^2/NDF: 2674777.9/32

Left In: 0.007+/-0.000 χ^2/NDF:1151126.7/22

+ sign 0.006+/-0.000 χ^2/NDF: 3913390.7/52

All: 0.006+/-0.000 χ^2/NDF: 8257280.5/108

- sign 0.006+/-0.000 χ^2/NDF: 4286132.9/55



Right In: -1.206+/-0.000 χ^2/NDF: 27182364493.2/27

Left Out: -0.454+/-0.000 χ^2/NDF:29096412438.0/24

Right Out: -1.238+/-0.000 χ^2/NDF: 72476000654.4/32

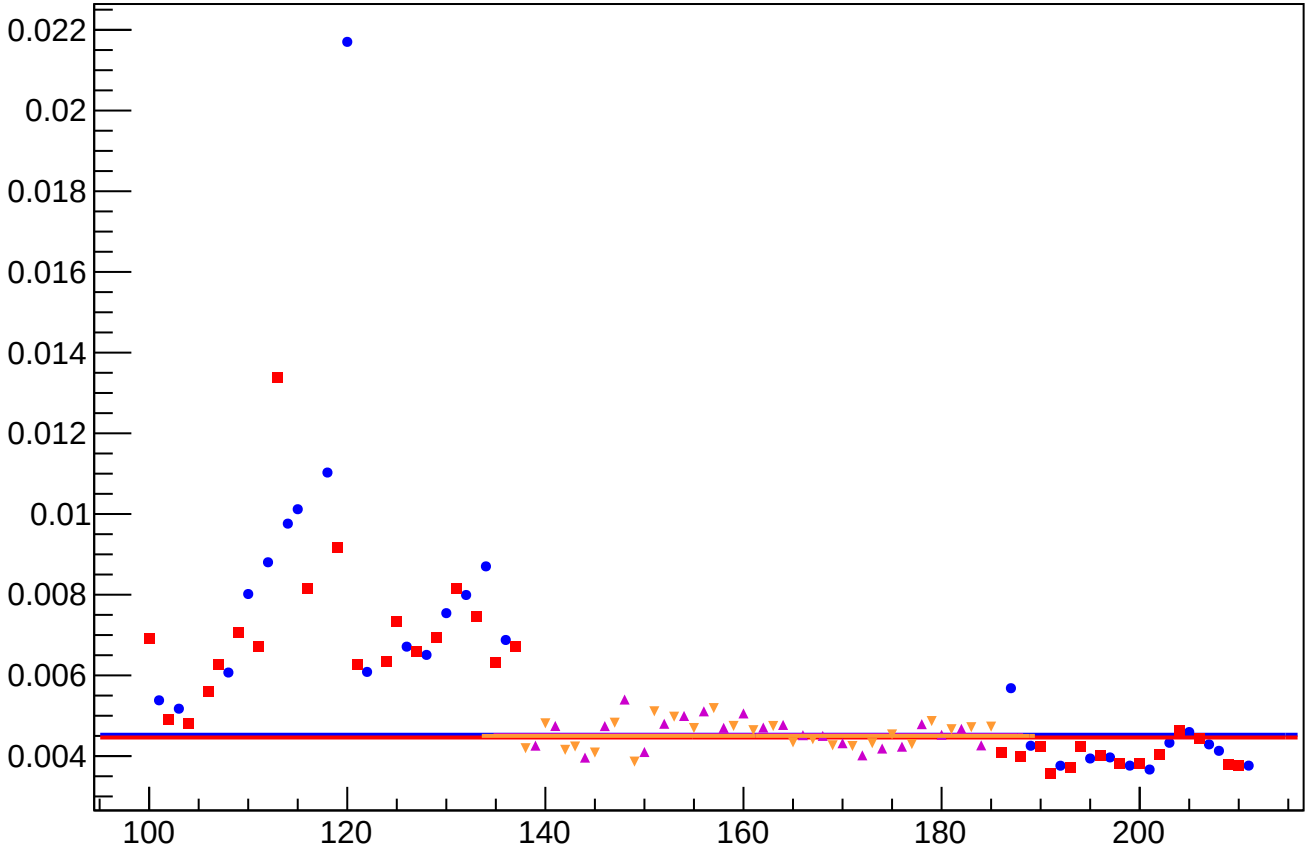
Left In: -0.437+/-0.000 χ^2/NDF:16544160360.6/22

+ sign -0.779+/-0.000 χ^2/NDF: 268968903989.6/52

All: -0.801+/-0.000 χ^2/NDF: 611853650589.1

- sign -0.823+/-0.000 χ^2/NDF: 341344327919.3/55

yield_bpm0i05Y_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF: 2244746.8/27

Left Out: 0.005+/-0.000 χ^2/NDF:189230.5/24

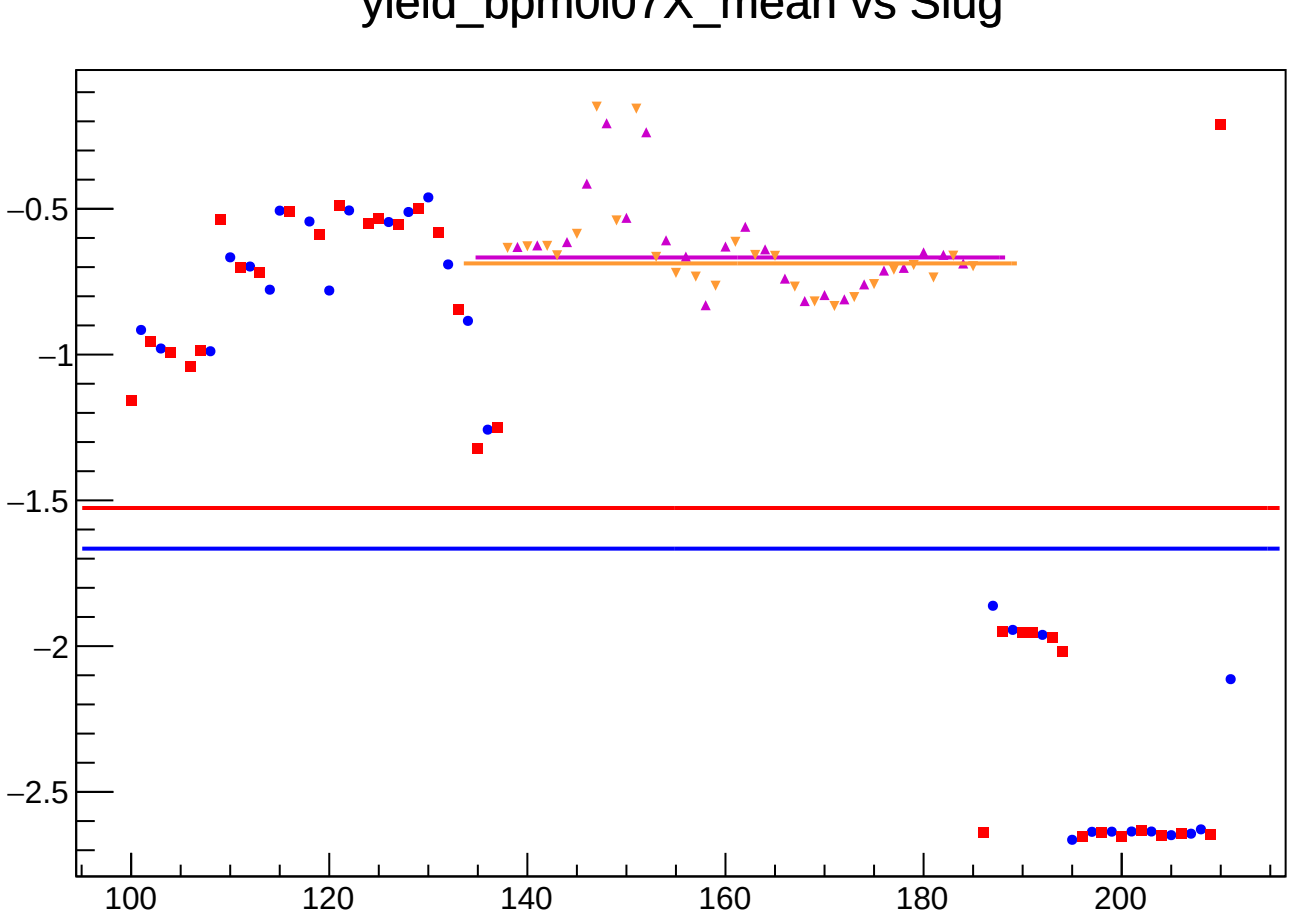
Right Out: 0.004+/-0.000 χ^2/NDF: 1965640.0/32

Left In: 0.005+/-0.000 χ^2/NDF:212056.7/22

+ sign 0.005+/-0.000 χ^2/NDF: 2434556.9/52

All: 0.005+/-0.000 χ^2/NDF: 4615776.9/108

- sign 0.004+/-0.000 χ^2/NDF: 2180513.3/55



Right In: -1.666+/-0.000 χ^2/NDF: 258354086451.1/27

Left Out: -0.687+/-0.000 χ^2/NDF:22462821855.7/24

Right Out: -1.526+/-0.000 χ^2/NDF: 519318387424.7/32

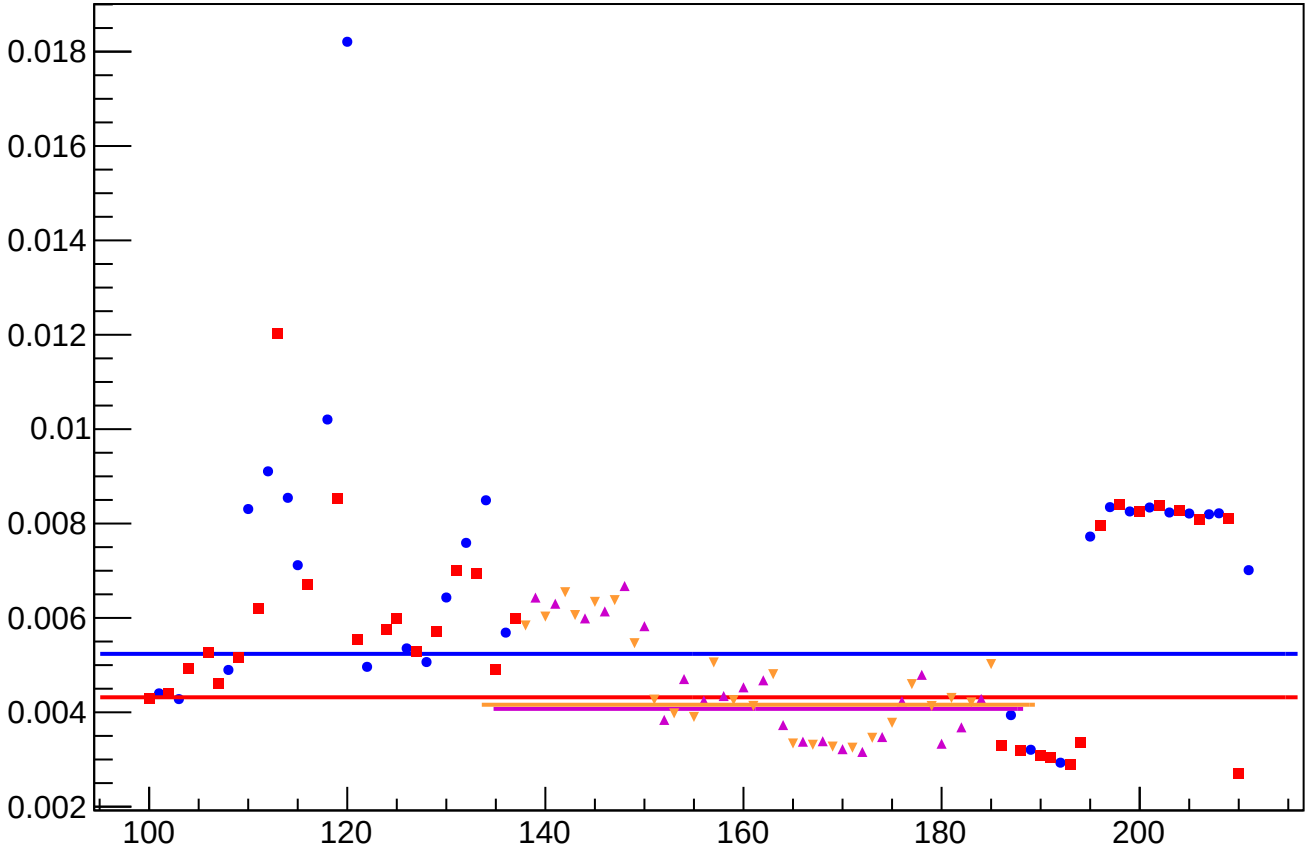
Left In: -0.667+/-0.000 χ^2/NDF:22531477329.1/22

+ sign -1.009+/-0.000 χ^2/NDF: 584757478879.9/52

All: -1.029+/-0.000 χ^2/NDF: 143685944785

- sign -1.045+/-0.000 χ^2/NDF: 851110035738.7/55

yield_bpm0i07X_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF: 4481524.9/27

Left Out: 0.004+/-0.000 χ^2/NDF:1520055.0/24

Right Out: 0.004+/-0.000 χ^2/NDF: 5337494.8/32

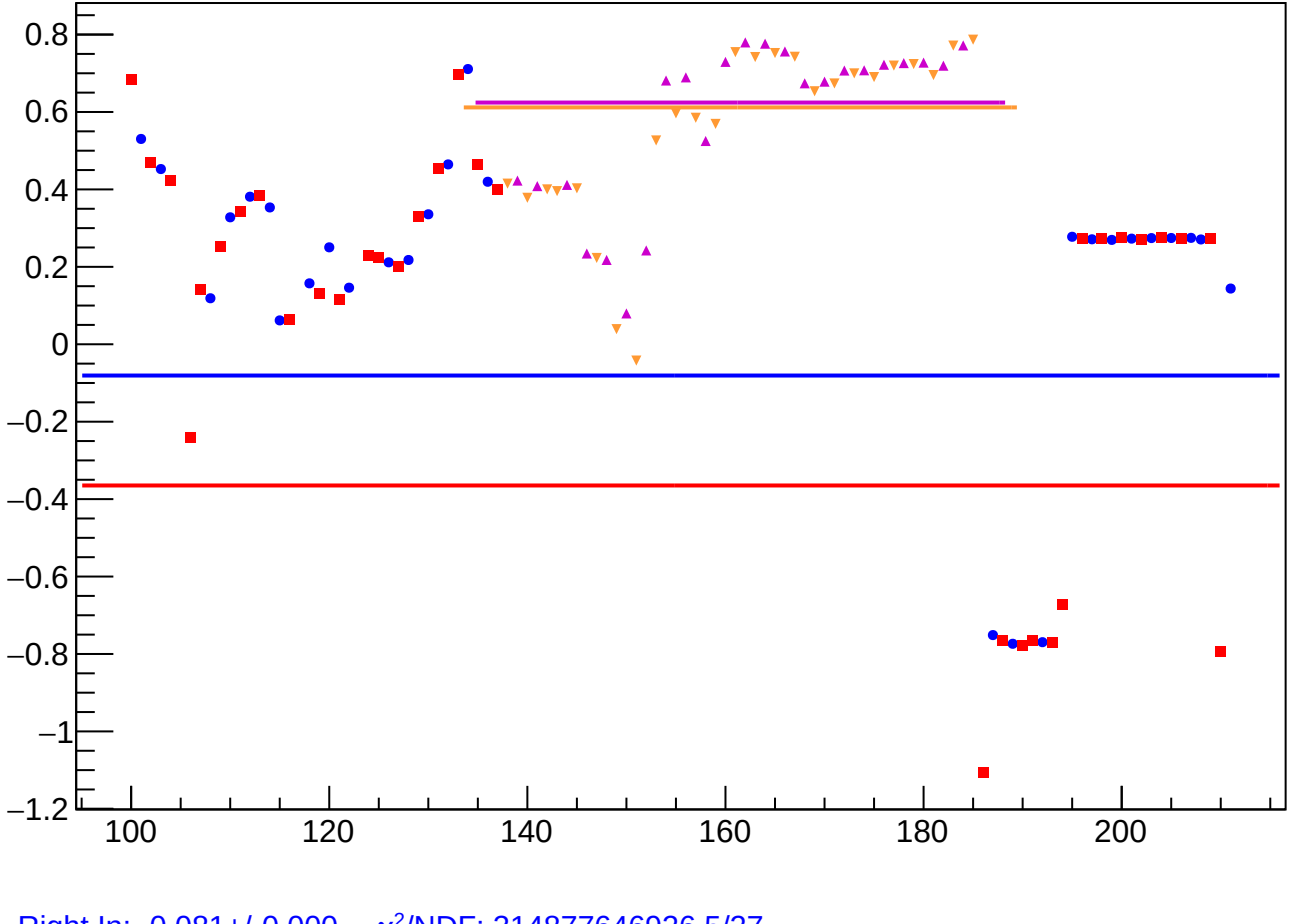
Left In: 0.004+/-0.000 χ^2/NDF:1750303.9/22

+ sign 0.005+/-0.000 χ^2/NDF: 6739576.0/52

All: 0.004+/-0.000 χ^2/NDF: 14052163.5/108

- sign 0.004+/-0.000 χ^2/NDF: 7138301.4/55

yield_bpm0i07Y_mean vs Slug



Right In: -0.081+/-0.000 χ^2/NDF: 314877646926.5/27

Left Out: 0.612+/-0.000 χ^2/NDF:45742599949.2/24

Right Out: -0.365+/-0.000 χ^2/NDF: 533433435085.4/32

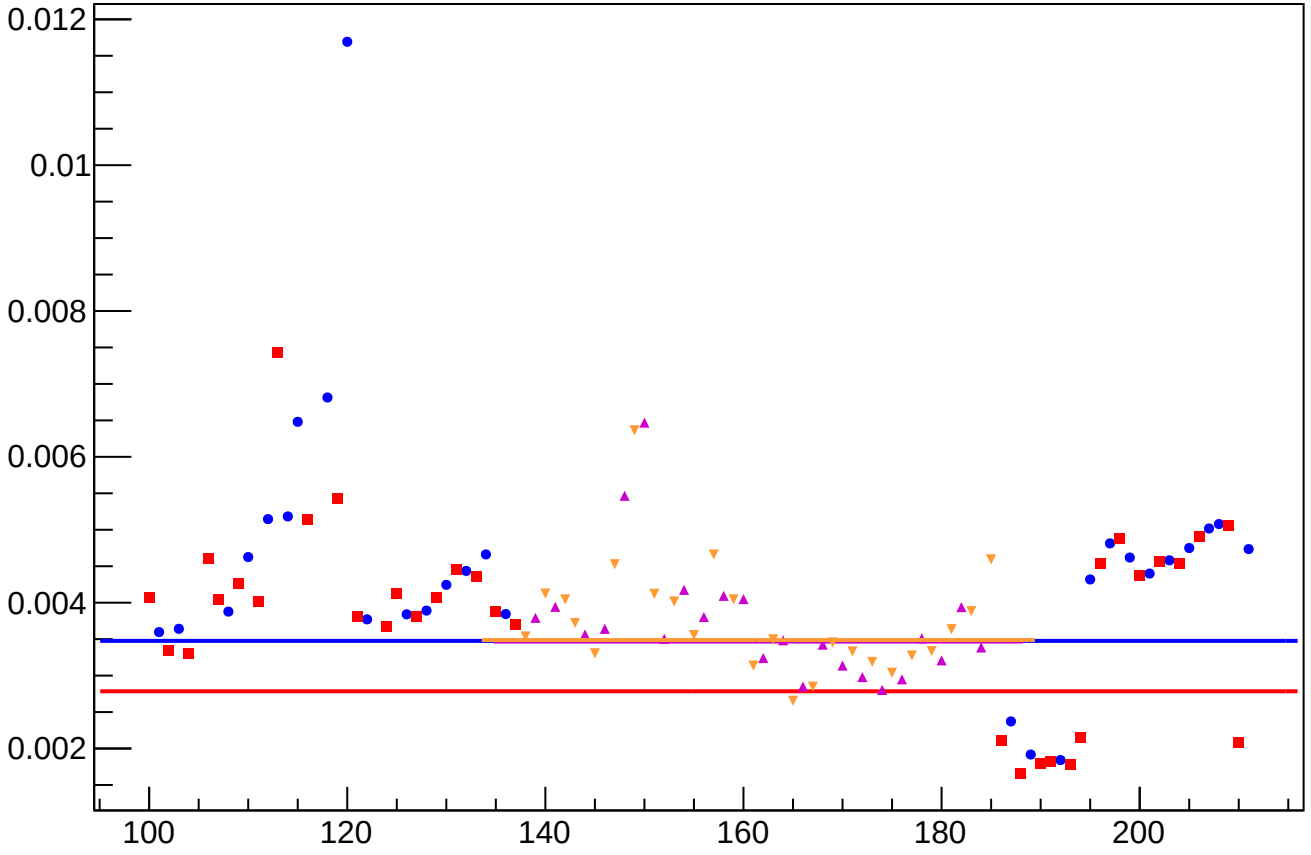
Left In: 0.624+/-0.000 χ^2/NDF:40353141115.4/22

+ sign 0.294+/-0.000 χ^2/NDF: 651299108650.7/52

All: 0.155+/-0.000 χ^2/NDF: 2036777638820.

- sign 0.044+/-0.000 χ^2/NDF: 1300940201166.2/55

yield_bpm0i07Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 3859756.7/27

Left Out: 0.003+/-0.000 χ^2/NDF:850746.8/24

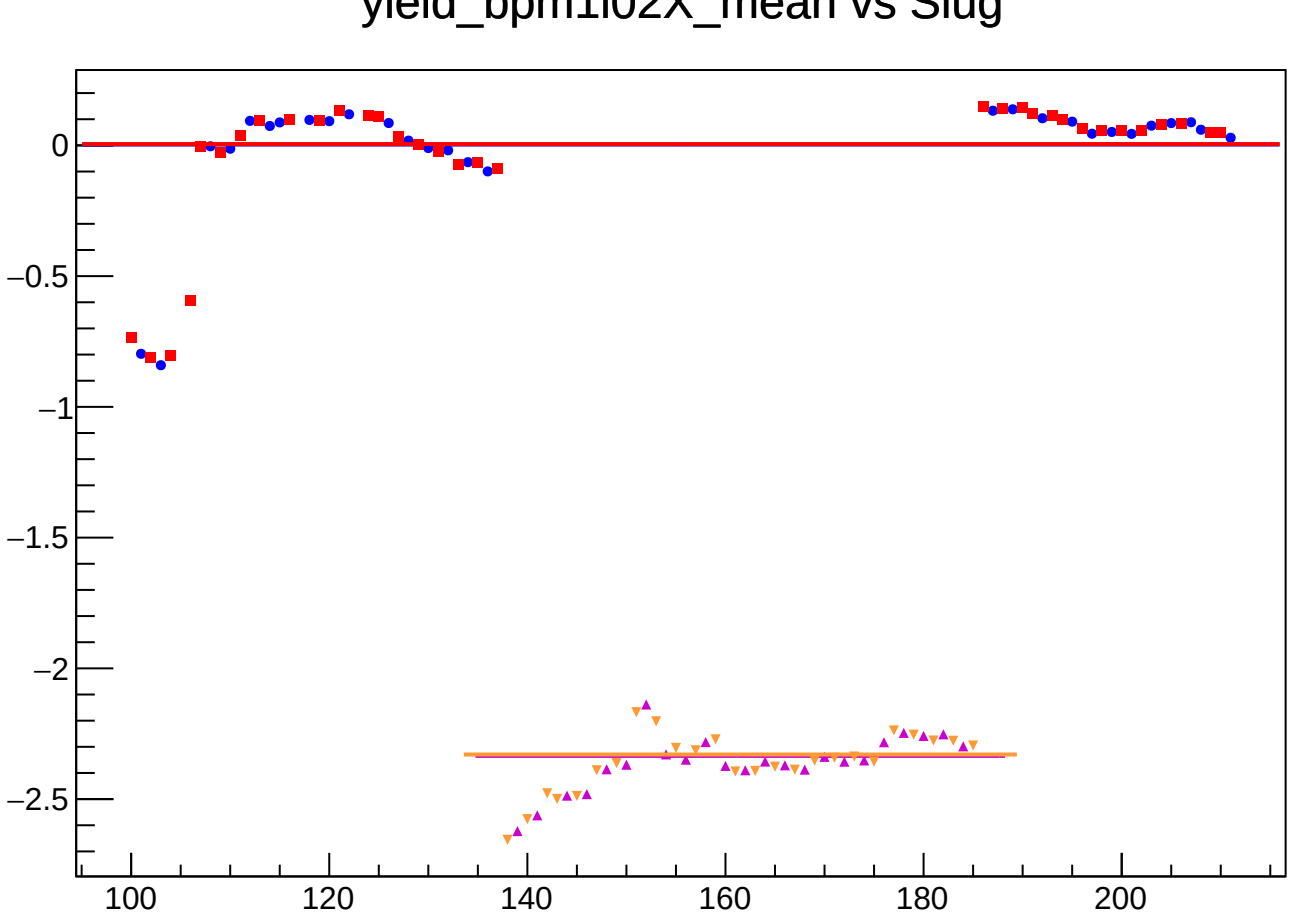
Right Out: 0.003+/-0.000 χ^2/NDF: 5404468.8/32

Left In: 0.003+/-0.000 χ^2/NDF:894124.0/22

+ sign 0.003+/-0.000 χ^2/NDF: 4710672.9/52

All: 0.003+/-0.000 χ^2/NDF: 12170469.6/108

- sign 0.003+/-0.000 χ^2/NDF: 6989961.7/55



Right In: 0.003+/-0.000 χ^2/NDF: 6552083288.2/27

Left Out: -2.329+/-0.000 χ^2/NDF:1982733526.8/24

Right Out: 0.005+/-0.000 χ^2/NDF: 7826124845.4/32

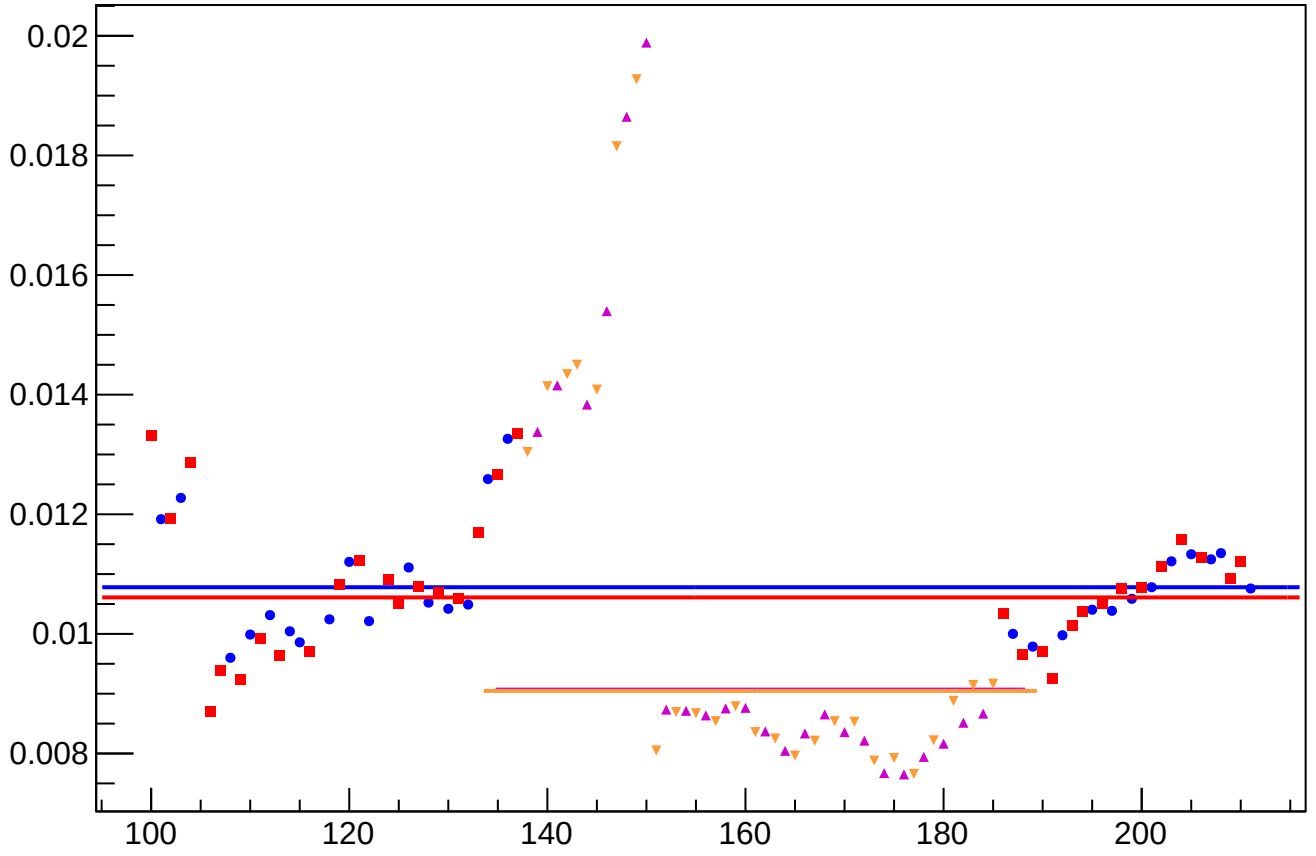
Left In: -2.335+/-0.000 χ^2/NDF:1676703216.8/22

+ sign -1.422+/-0.000 χ^2/NDF: 478610802935.8/52

All: -1.373+/-0.000 χ^2/NDF: 983642914366.5

- sign -1.323+/-0.000 χ^2/NDF: 503236815261.0/55

yield_bpm1i02X_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF: 184037.4/27

Left Out: 0.009+/-0.000 χ^2/NDF:2048729.6/24

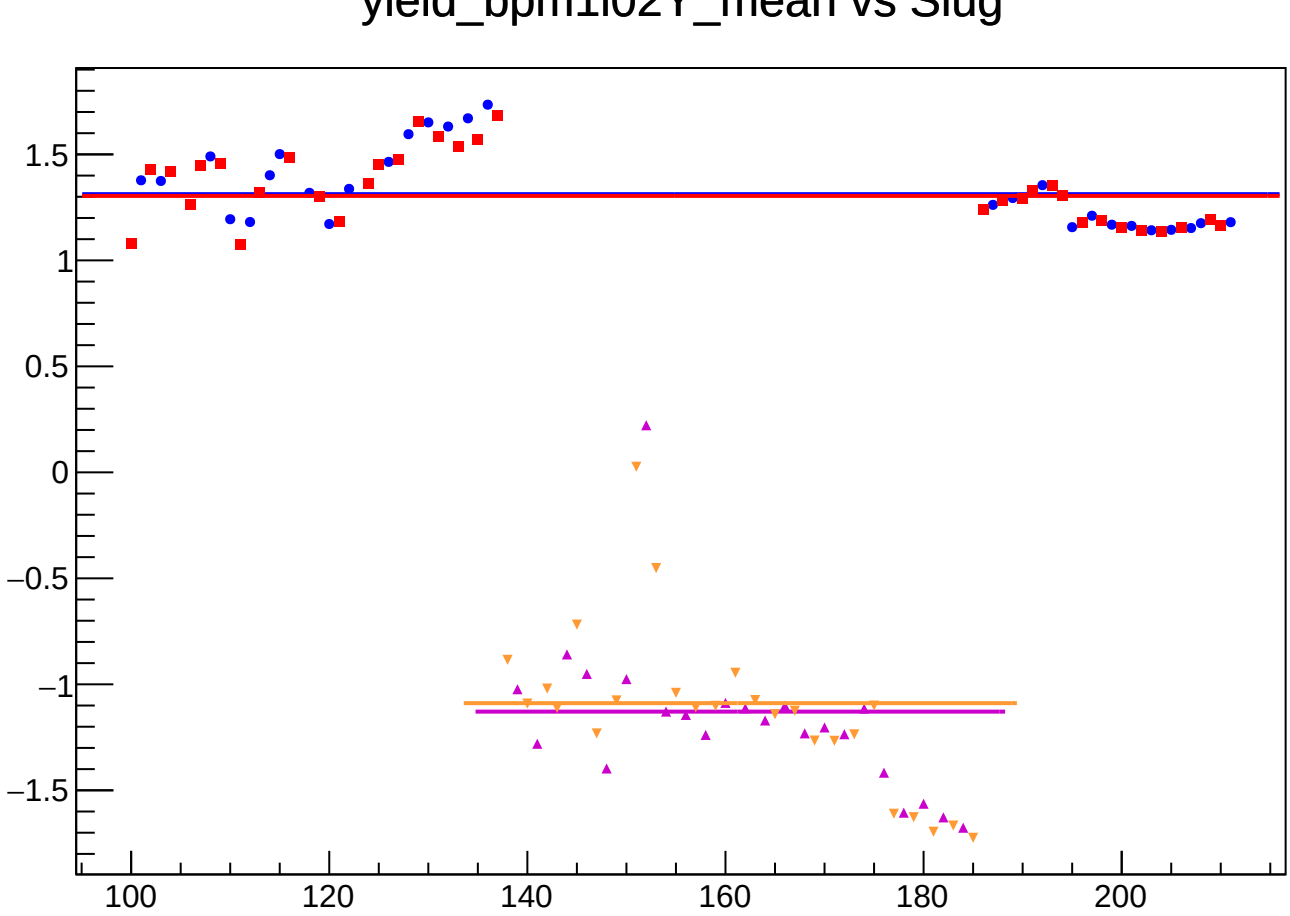
Right Out: 0.011+/-0.000 χ^2/NDF: 260641.9/32

Left In: 0.009+/-0.000 χ^2/NDF:2134207.9/22

+ sign 0.010+/-0.000 χ^2/NDF: 2751779.0/52

All: 0.010+/-0.000 χ^2/NDF: 5575529.4/108

- sign 0.010+/-0.000 χ^2/NDF: 2823681.4/55



Right In: 1.312+/-0.000 χ^2/NDF: 8610994253.6/27

Left Out: -1.089+/-0.000 χ^2/NDF:61255304912.3/24

Right Out: 1.304+/-0.000 χ^2/NDF: 6754186846.5/32

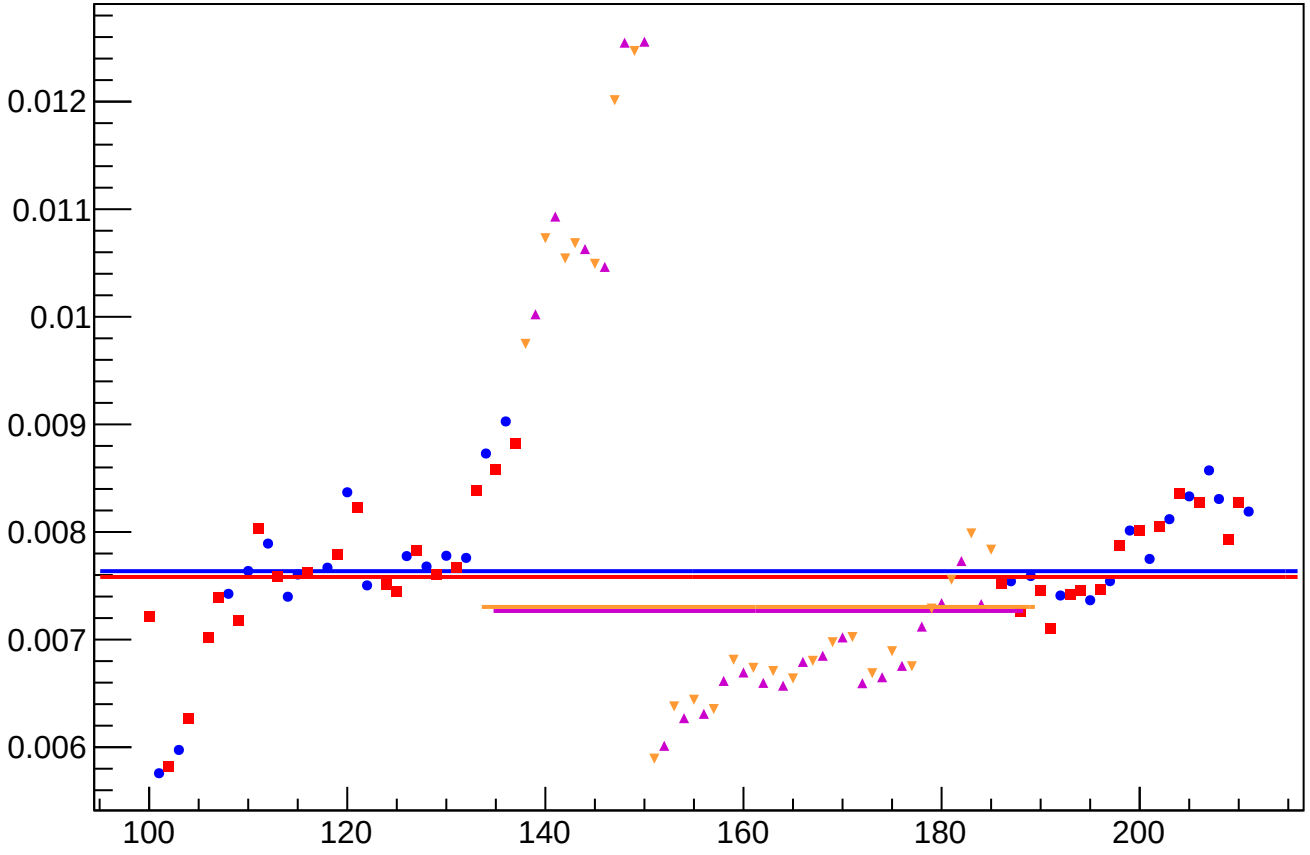
Left In: -1.129+/-0.000 χ^2/NDF:58876825364.1/22

+ sign -0.015+/-0.000 χ^2/NDF: 962923326489.7/52

All: 0.018+/-0.000 χ^2/NDF: 1979248775209.

- sign 0.051+/-0.000 χ^2/NDF: 1014960744032.8/55

yield_bpm1i02Y_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF: 358601.2/27

Left Out: 0.007+/-0.000 χ^2/NDF:1504103.4/24

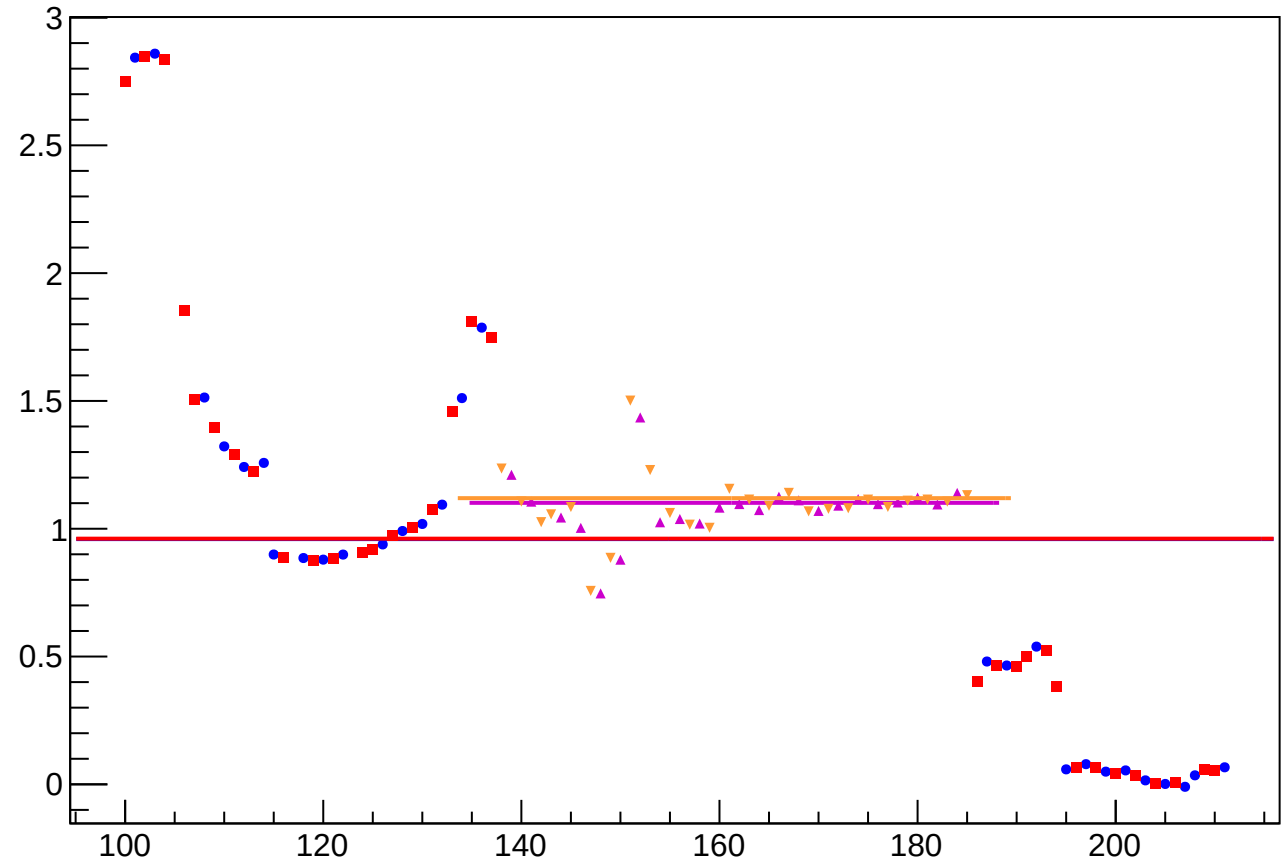
Right Out: 0.008+/-0.000 χ^2/NDF: 276873.1/32

Left In: 0.007+/-0.000 χ^2/NDF:1560089.8/22

+ sign 0.007+/-0.000 χ^2/NDF: 1896926.7/52

All: 0.007+/-0.000 χ^2/NDF: 3766559.4/108

- sign 0.007+/-0.000 χ^2/NDF: 1868949.3/55



Right In: 0.959+/-0.000 χ^2/NDF: 143898501026.5/27

Left Out: 1.120+/-0.000 χ^2/NDF:5515079117.9/24

Right Out: 0.961+/-0.000 χ^2/NDF: 142507533842.3/32

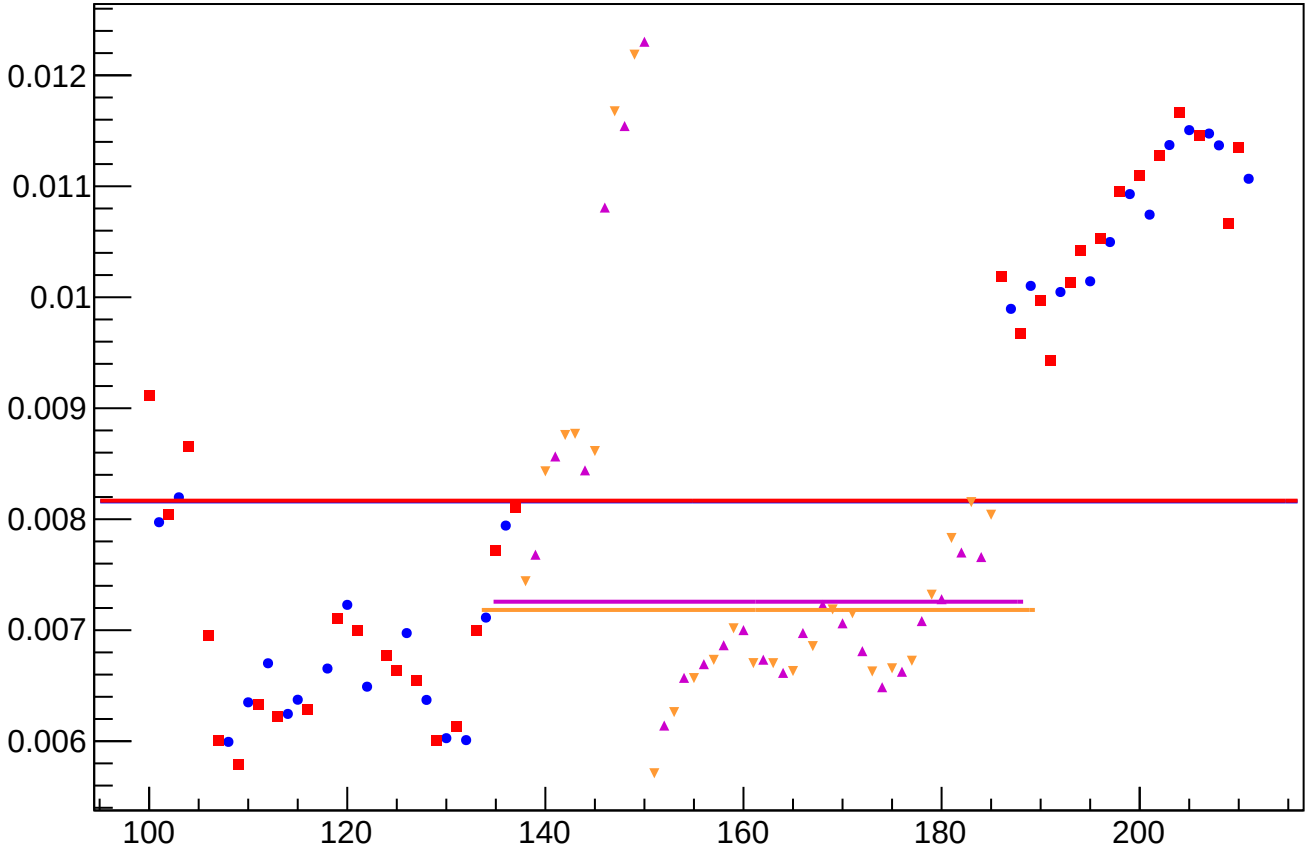
Left In: 1.101+/-0.000 χ^2/NDF:4201972548.8/22

+ sign 1.056+/-0.000 χ^2/NDF: 153042372974.4/52

All: 1.048+/-0.000 χ^2/NDF: 302658683726.0

- sign 1.041+/-0.000 χ^2/NDF: 149543147769.3/55

yield_bpm1i04X_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF: 1891041.6/27

Left Out: 0.007+/-0.000 χ^2/NDF:893807.0/24

Right Out: 0.008+/-0.000 χ^2/NDF: 2105112.8/32

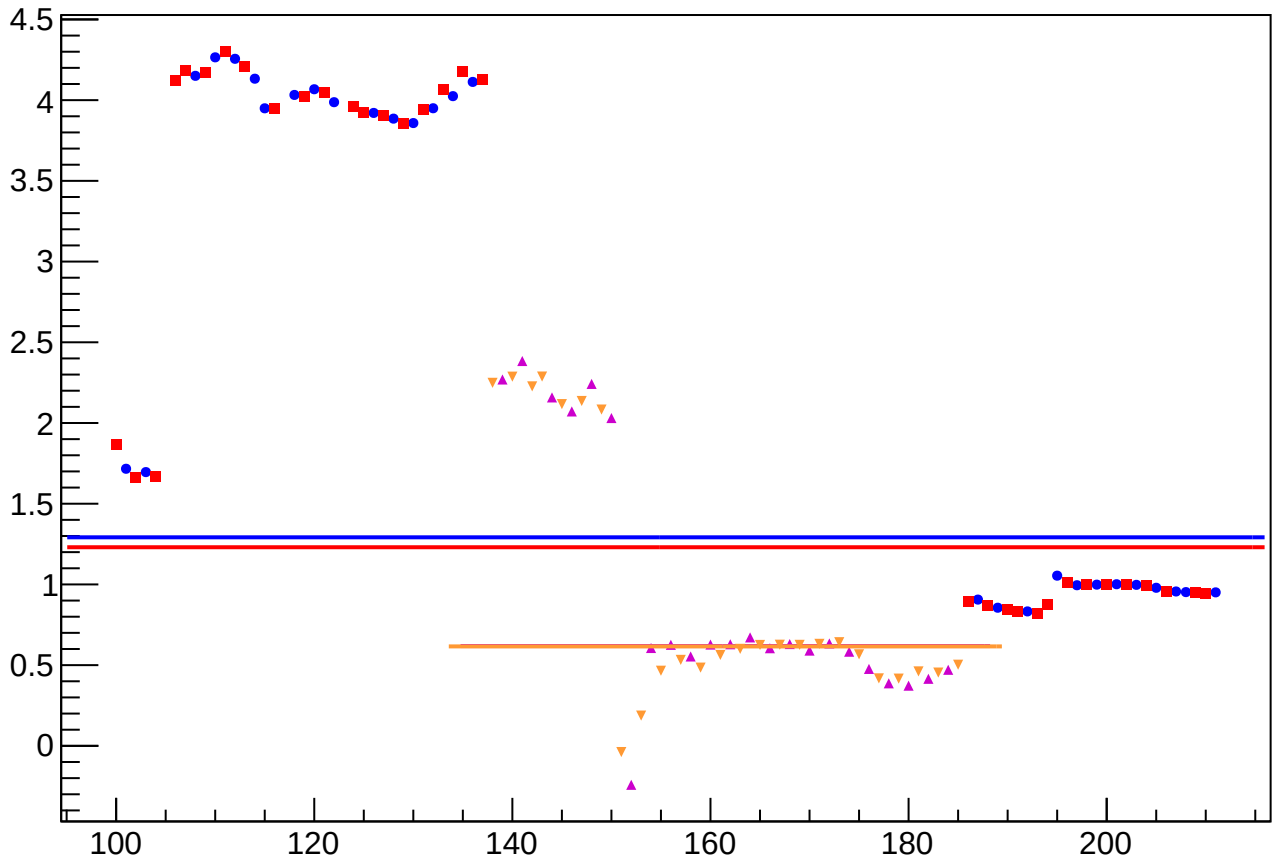
Left In: 0.007+/-0.000 χ^2/NDF:916696.6/22

+ sign 0.008+/-0.000 χ^2/NDF: 3055474.9/52

All: 0.008+/-0.000 χ^2/NDF: 6320290.7/108

- sign 0.008+/-0.000 χ^2/NDF: 3260836.9/55

yield_bpm1i04Y_mean vs Slug



Right In: 1.292+/-0.000 χ^2/NDF: 1604327159033.9/27

Left Out: 0.616+/-0.000 χ^2/NDF:251940630795.3/24

Right Out: 1.230+/-0.000 χ^2/NDF: 1780882076884.7/32

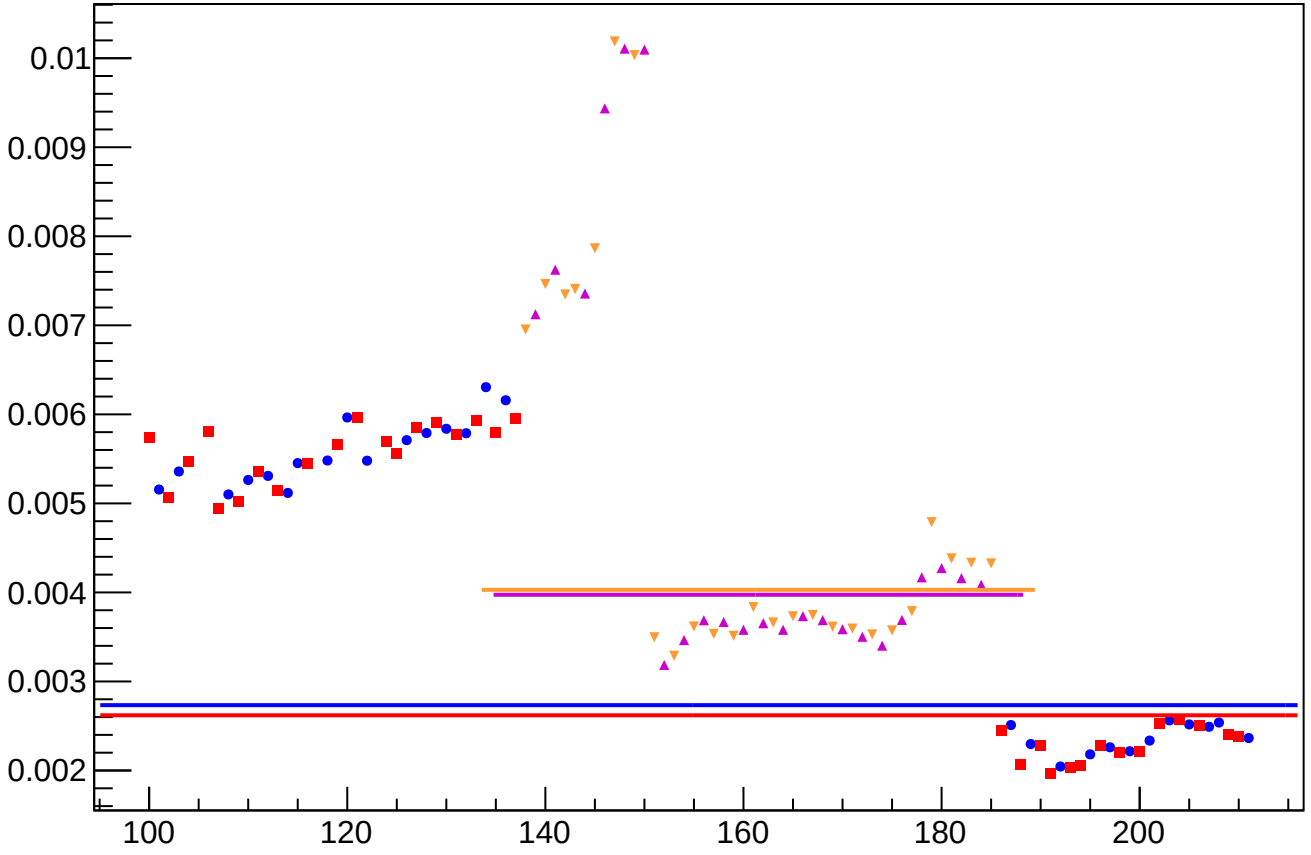
Left In: 0.618+/-0.000 χ^2/NDF:254248143278.9/22

+ sign 1.044+/-0.000 χ^2/NDF: 2162125261639.9/52

All: 1.039+/-0.000 χ^2/NDF: 4458710033340.

- sign 1.034+/-0.000 χ^2/NDF: 2296414864382.5/55

yield_bpm1i04Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 4406902.9/27

Left Out: 0.004+/-0.000 χ^2/NDF:2965028.8/24

Right Out: 0.003+/-0.000 χ^2/NDF: 4709954.7/32

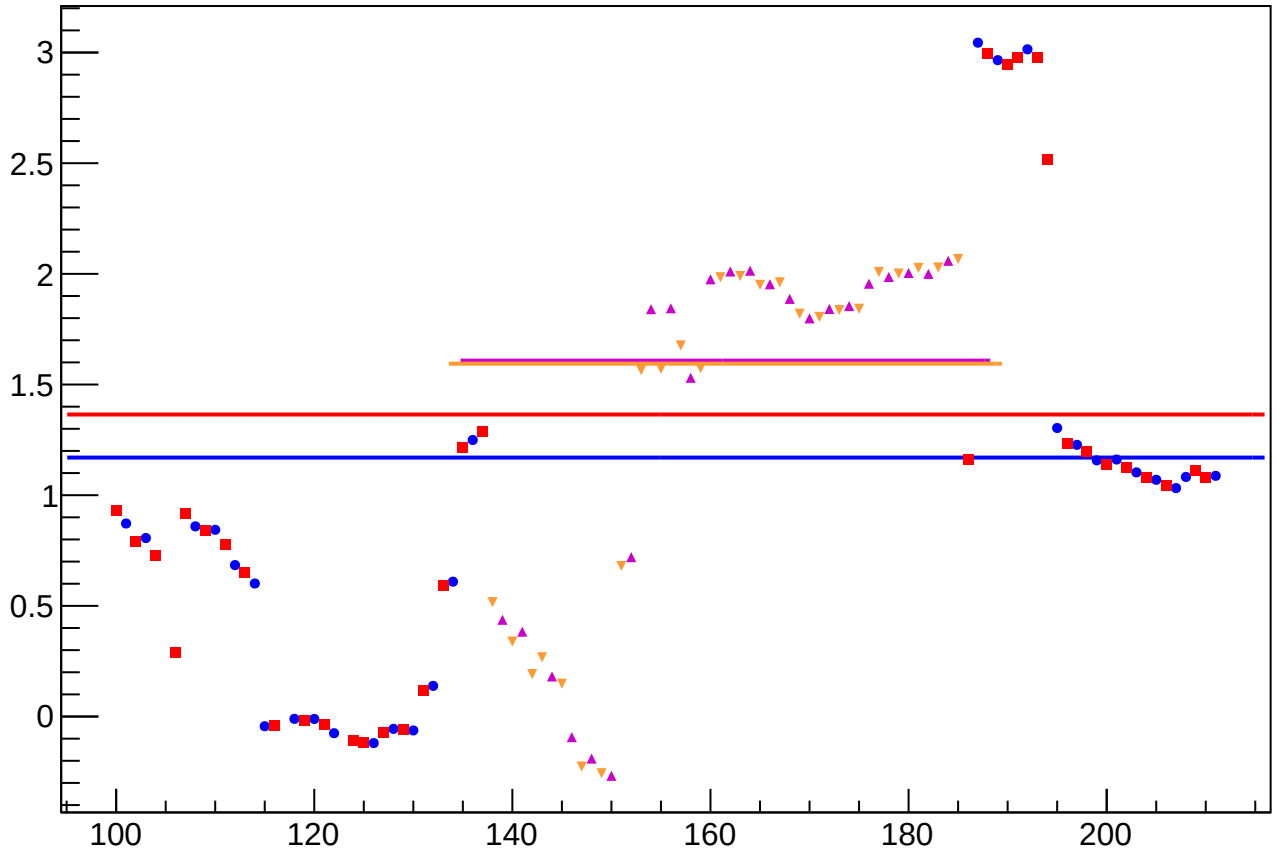
Left In: 0.004+/-0.000 χ^2/NDF:3121901.5/22

+ sign 0.003+/-0.000 χ^2/NDF: 9618773.3/52

All: 0.003+/-0.000 χ^2/NDF: 20079194.4/108

- sign 0.003+/-0.000 χ^2/NDF: 10388803.2/55

yield_bpm1i06X_mean vs Slug



Right In: 1.170+/-0.000 χ^2/NDF: 77789105463.3/27

Left Out: 1.594+/-0.000 χ^2/NDF:62632055963.2/24

Right Out: 1.365+/-0.000 χ^2/NDF: 106466991385.2/32

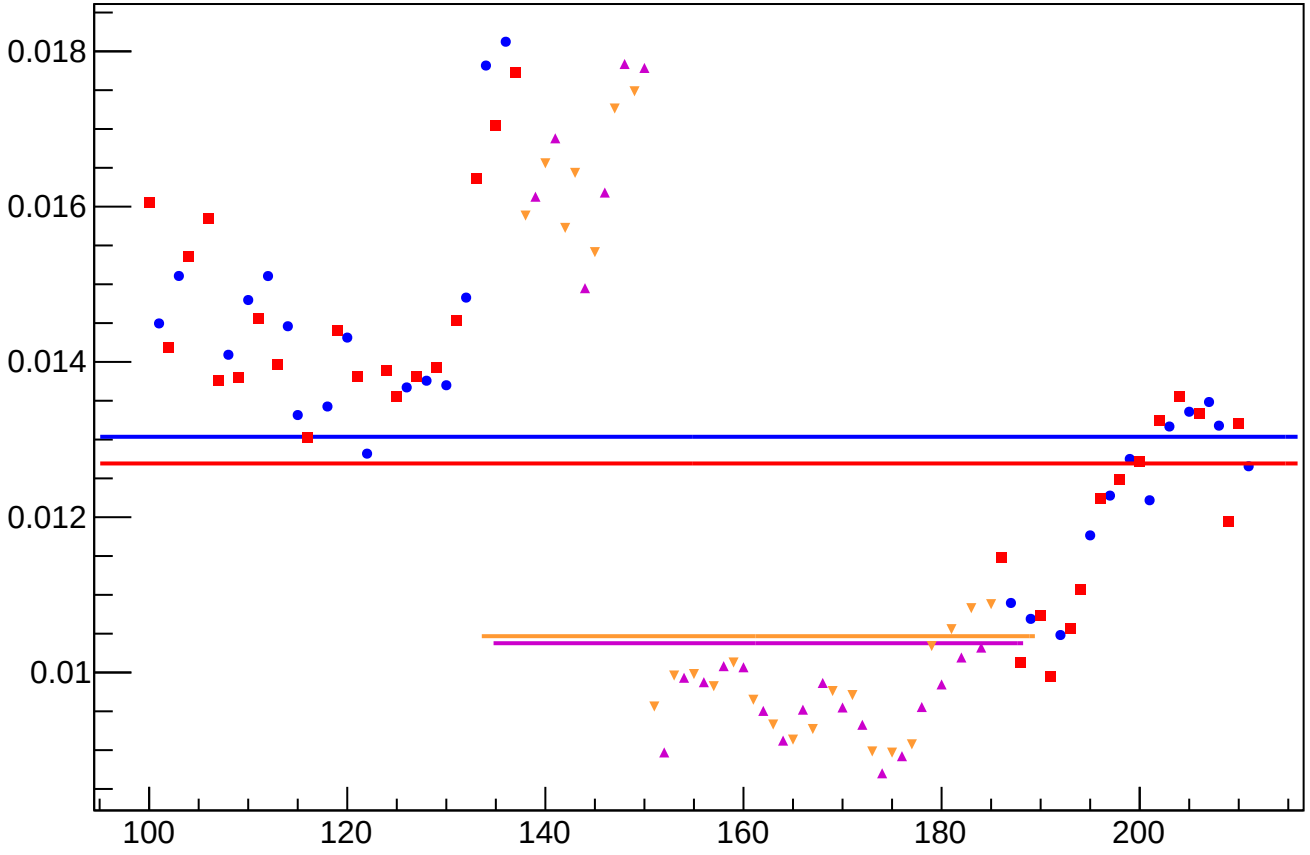
Left In: 1.608+/-0.000 χ^2/NDF:66403809503.4/22

+ sign 1.440+/-0.000 χ^2/NDF: 151329008212.4/52

All: 1.475+/-0.000 χ^2/NDF: 328686390281.6

- sign 1.510+/-0.000 χ^2/NDF: 176712499286.4/55

yield_bpm1i06X_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF: 506649.9/27

Left Out: 0.010+/-0.000 χ^2/NDF:1661211.8/24

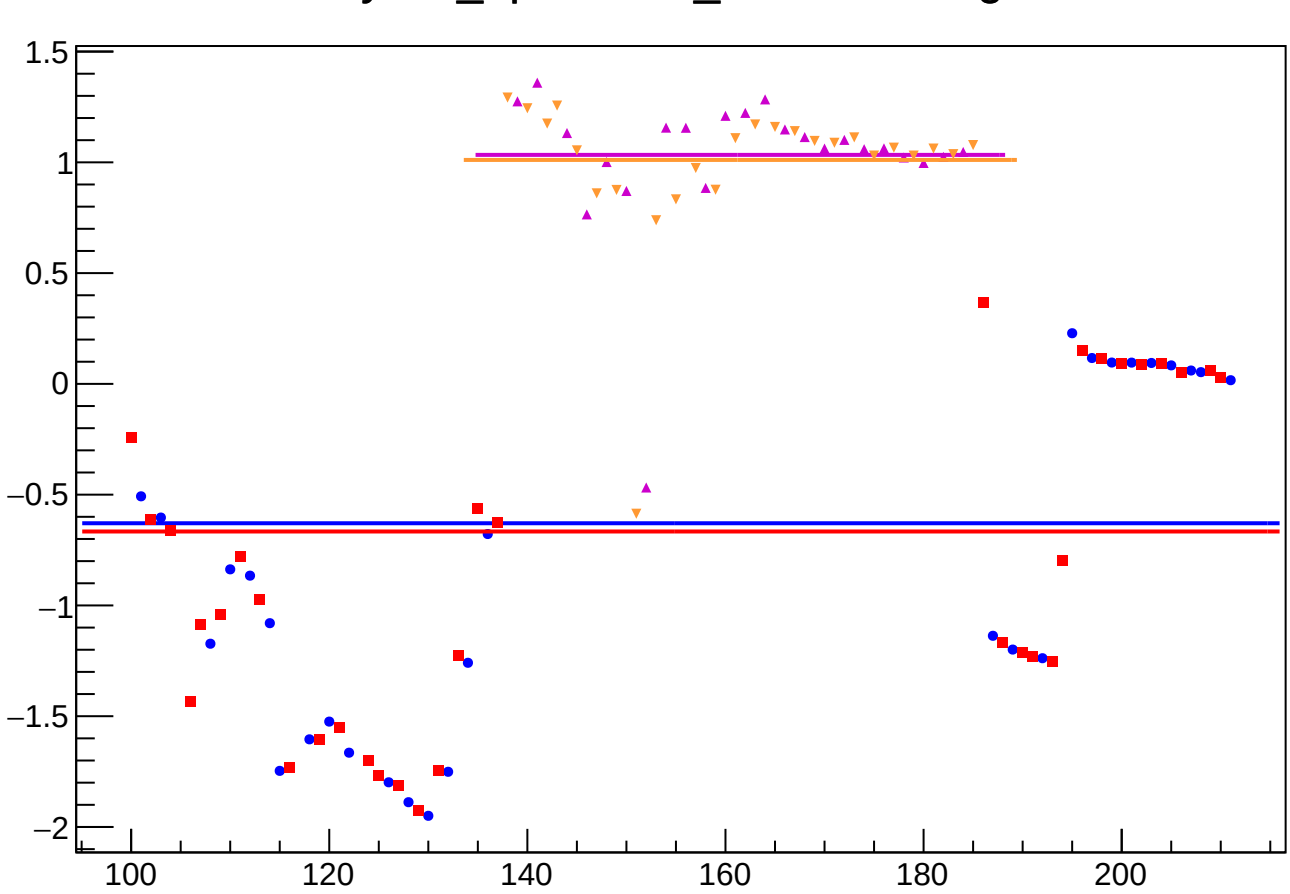
Right Out: 0.013+/-0.000 χ^2/NDF: 614858.5/32

Left In: 0.010+/-0.000 χ^2/NDF:1710541.0/22

+ sign 0.011+/-0.000 χ^2/NDF: 2967518.4/52

All: 0.011+/-0.000 χ^2/NDF: 5989944.1/108

- sign 0.011+/-0.000 χ^2/NDF: 3020309.3/55



Right In: -0.629+/-0.000 χ^2/NDF: 196643027964.0/27

Left Out: 1.011+/-0.000 χ^2/NDF:111188616245.0/24

Right Out: -0.666+/-0.000 χ^2/NDF: 188194053036.7/32

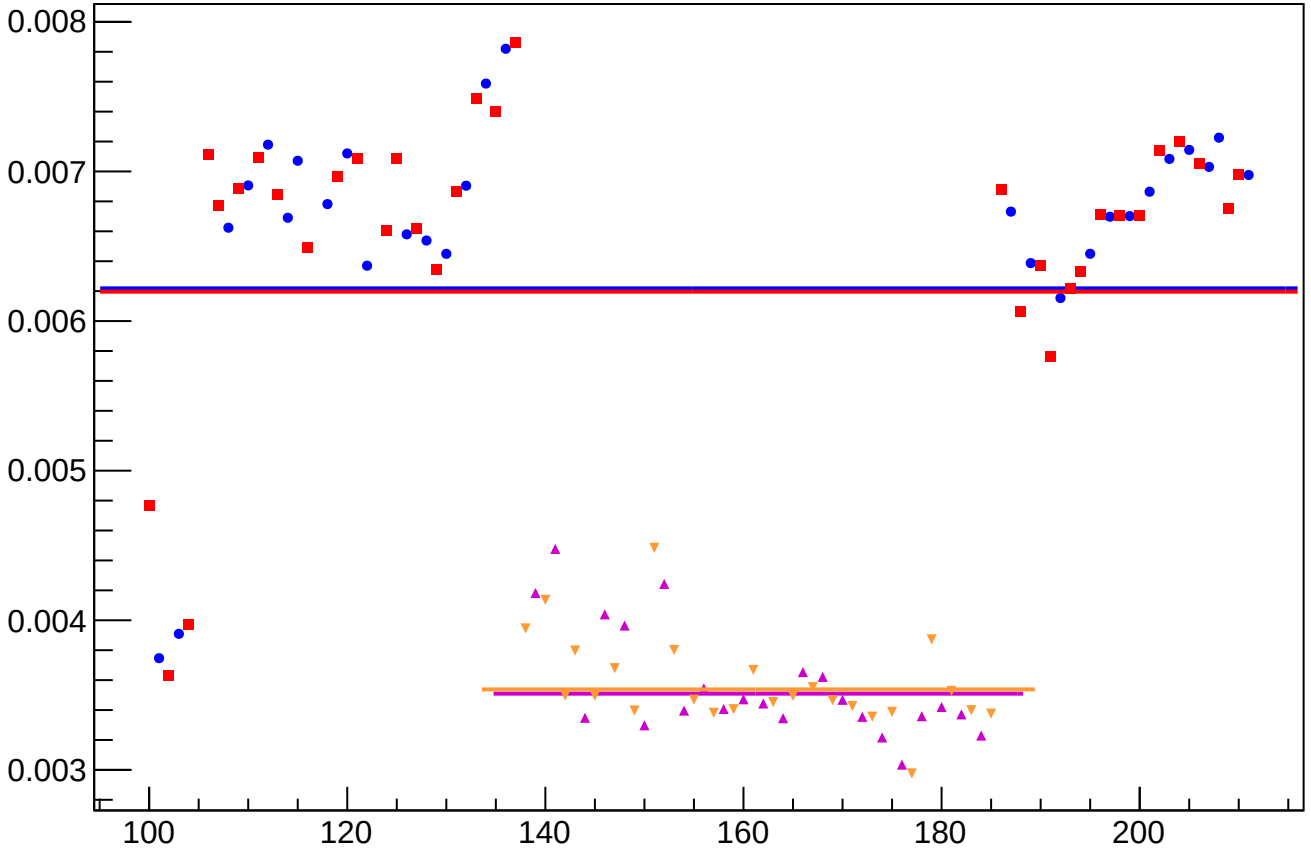
Left In: 1.034+/-0.000 χ^2/NDF:125385050389.9/22

+ sign 0.652+/-0.000 χ^2/NDF: 1135498134813.1/52

All: 0.636+/-0.000 χ^2/NDF: 2395064670847.

- sign 0.620+/-0.000 χ^2/NDF: 1258690935954.9/55

yield_bpm1i06Y_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF: 1223461.6/27

Left Out: 0.004+/-0.000 χ^2/NDF:215725.1/24

Right Out: 0.006+/-0.000 χ^2/NDF: 1250251.3/32

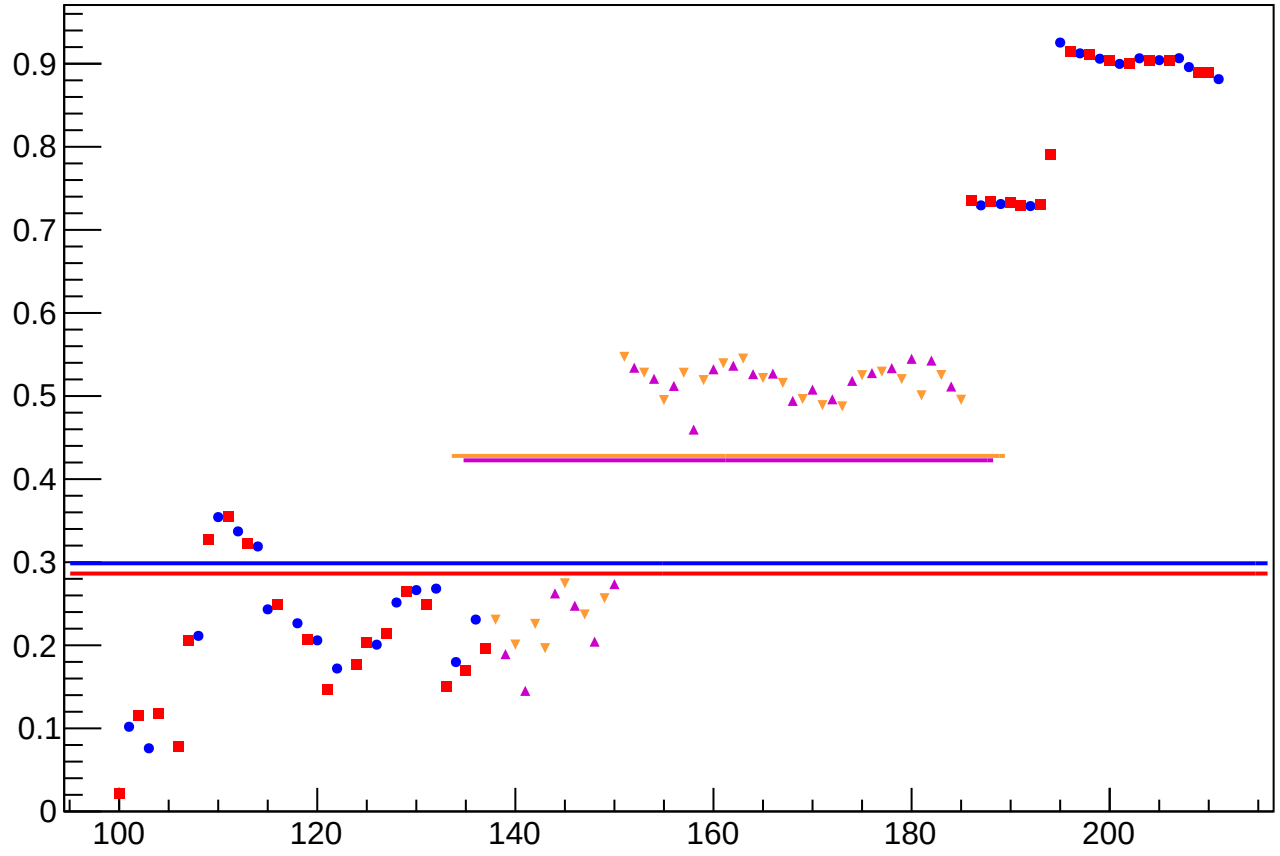
Left In: 0.004+/-0.000 χ^2/NDF:284960.7/22

+ sign 0.004+/-0.000 χ^2/NDF: 5862460.6/52

All: 0.004+/-0.000 χ^2/NDF: 12123472.3/108

- sign 0.004+/-0.000 χ^2/NDF: 6258461.9/55

yield_bpm2i01X_mean vs Slug



Right In: 0.299+/-0.000 χ^2/NDF: 199531159941.1/27

Left Out: 0.428+/-0.000 χ^2/NDF:153820853539.2/24

Right Out: 0.286+/-0.000 χ^2/NDF: 223283413567.9/32

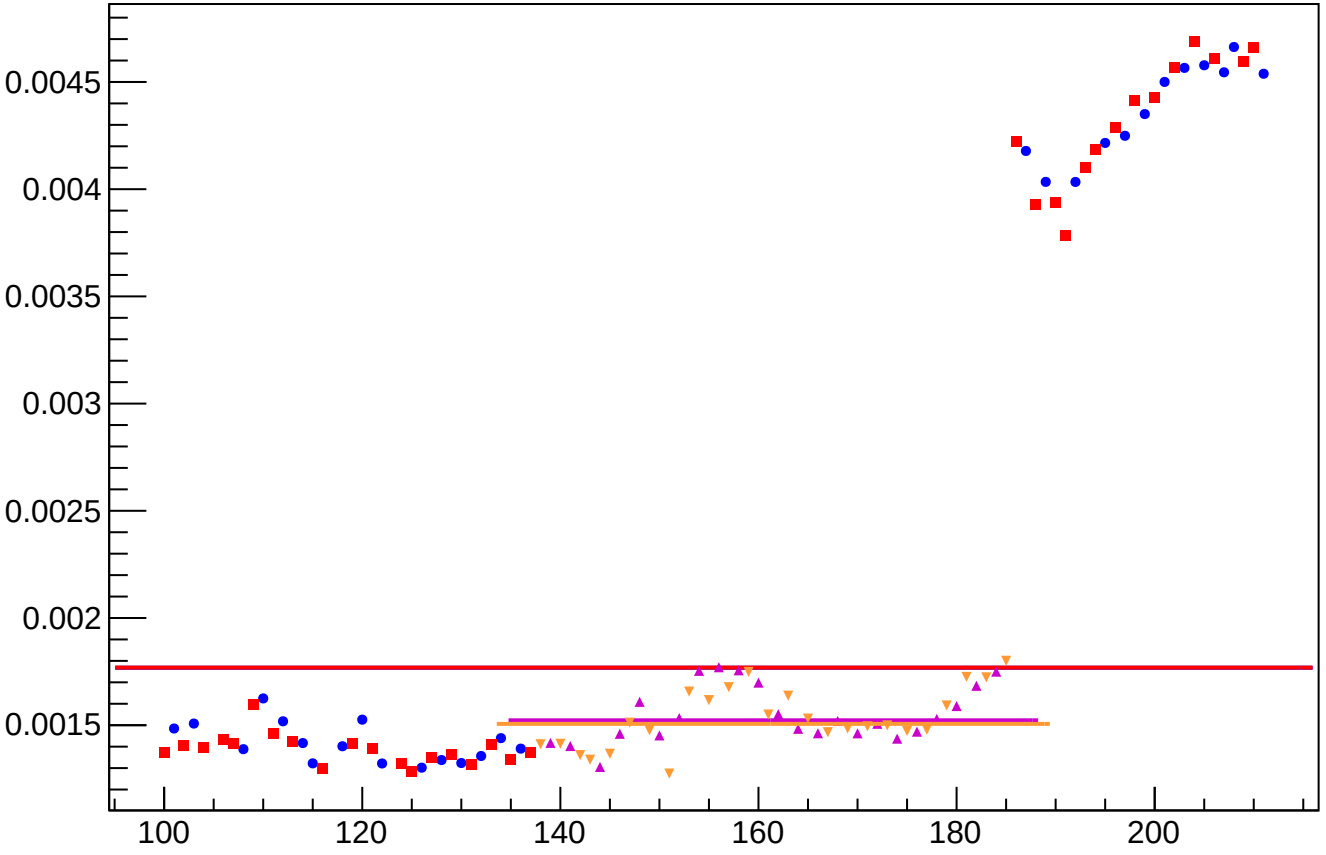
Left In: 0.423+/-0.000 χ^2/NDF:158122093061.2/22

+ sign 0.386+/-0.000 χ^2/NDF: 398577377595.5/52

All: 0.380+/-0.000 χ^2/NDF: 832742388934.4

- sign 0.374+/-0.000 χ^2/NDF: 433184862458.0/55

yield_bpm2i01X_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 7620899.4/27

Left Out: 0.002+/-0.000 χ^2/NDF:278895.8/24

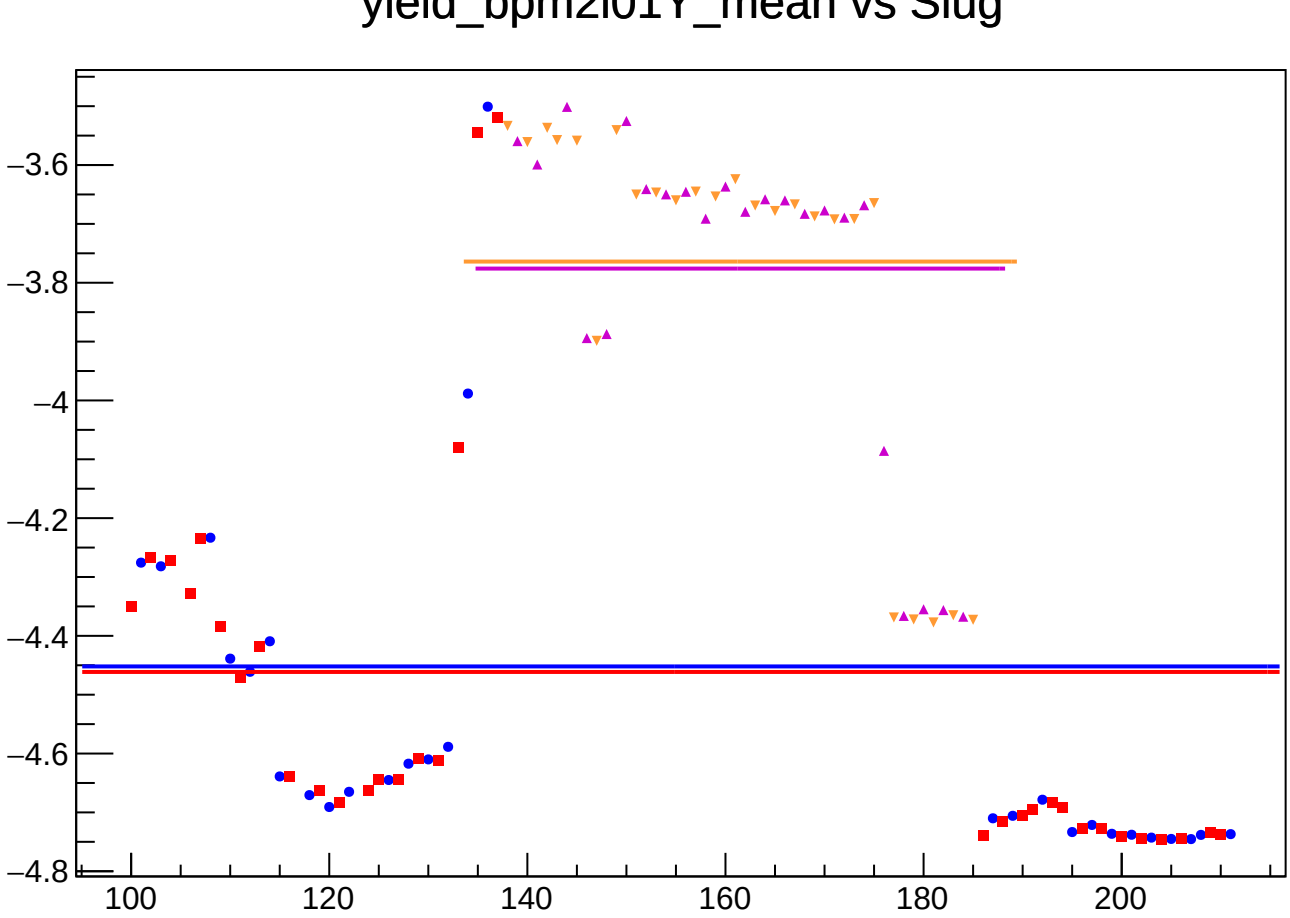
Right Out: 0.002+/-0.000 χ^2/NDF: 8580889.2/32

Left In: 0.002+/-0.000 χ^2/NDF:234679.9/22

+ sign 0.002+/-0.000 χ^2/NDF: 8270938.8/52

All: 0.002+/-0.000 χ^2/NDF: 17428563.3/108

- sign 0.002+/-0.000 χ^2/NDF: 9152397.3/55



Right In: -4.452+/-0.000 χ^2/NDF: 434380233745.8/27

Left Out: -3.764+/-0.000 χ^2/NDF:483461311370.8/24

Right Out: -4.461+/-0.000 χ^2/NDF: 385653474454.6/32

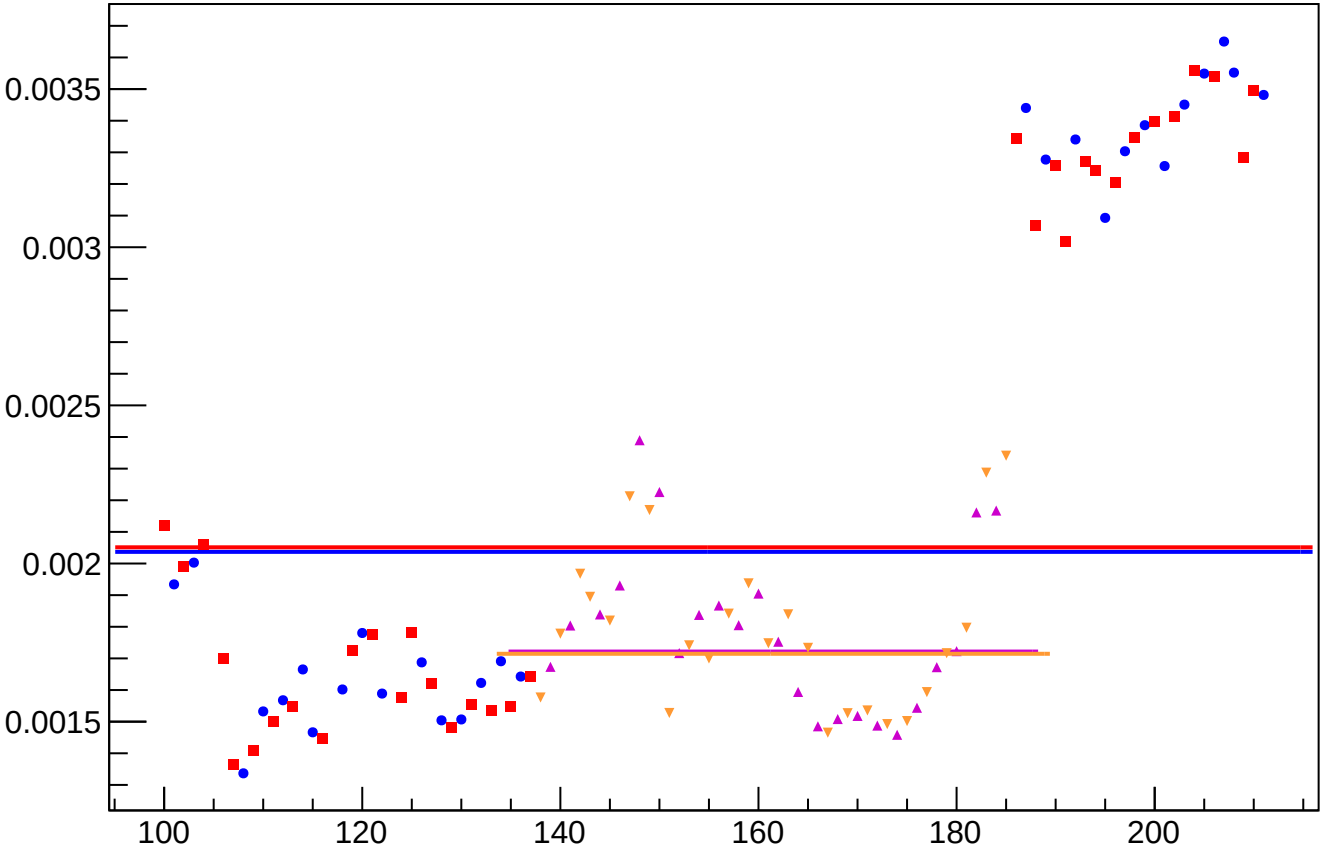
Left In: -3.776+/-0.000 χ^2/NDF:402659987166.3/22

+ sign -4.006+/-0.000 χ^2/NDF: 1968791846120.0/5

All: -4.023+/-0.000 χ^2/NDF: 383270188519

- sign -4.039+/-0.000 χ^2/NDF: 1858580248630.4/5

yield_bpm2i01Y_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 4031343.7/27

Left Out: 0.002+/-0.000 χ^2/NDF:562338.1/24

Right Out: 0.002+/-0.000 χ^2/NDF: 4390517.0/32

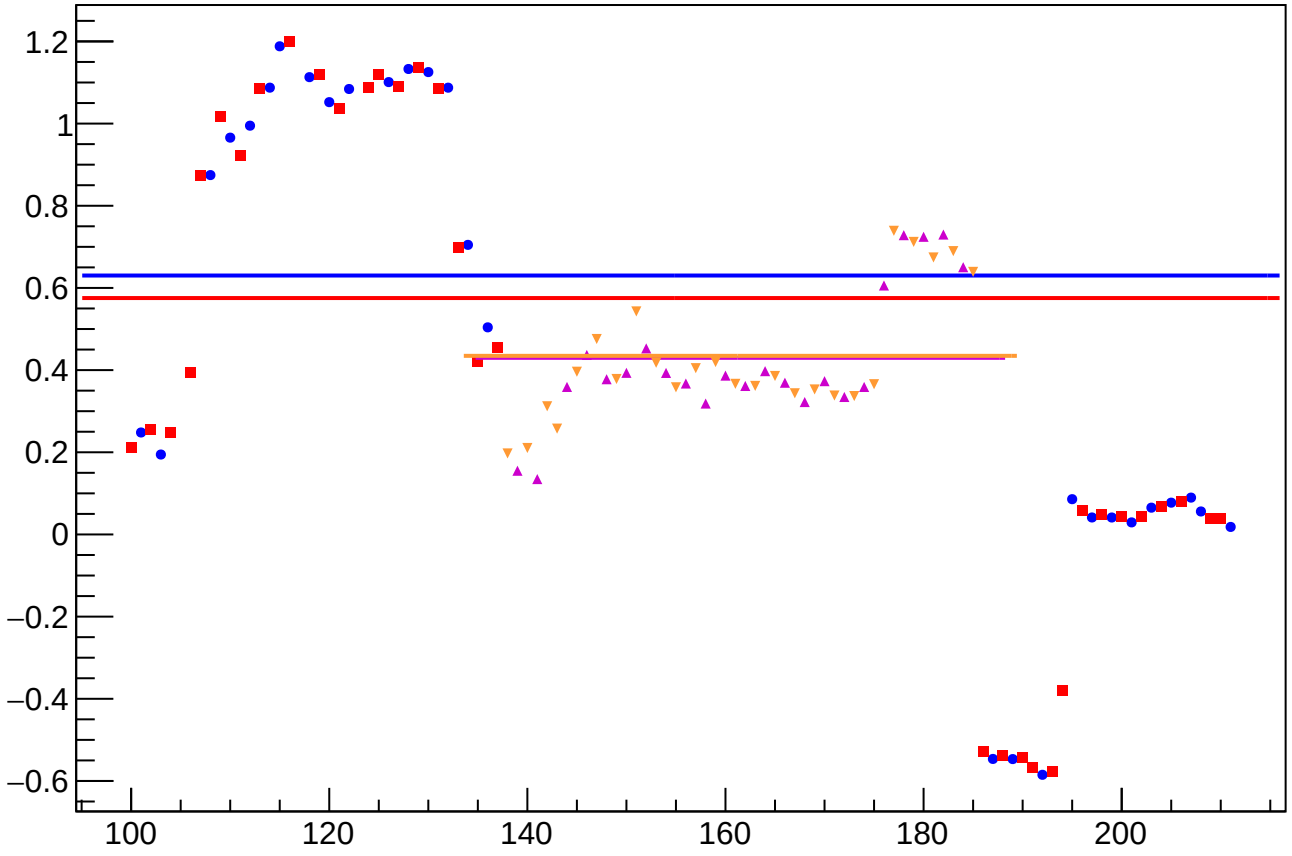
Left In: 0.002+/-0.000 χ^2/NDF:581878.6/22

+ sign 0.002+/-0.000 χ^2/NDF: 5054928.0/52

All: 0.002+/-0.000 χ^2/NDF: 10526401.9/108

- sign 0.002+/-0.000 χ^2/NDF: 5467489.0/55

yield_bpm2i02X_mean vs Slug



Right In: 0.630+/-0.000 χ^2/NDF: 70258086756.3/27

Left Out: 0.435+/-0.000 χ^2/NDF:8515333254.7/24

Right Out: 0.575+/-0.000 χ^2/NDF: 90372428095.3/32

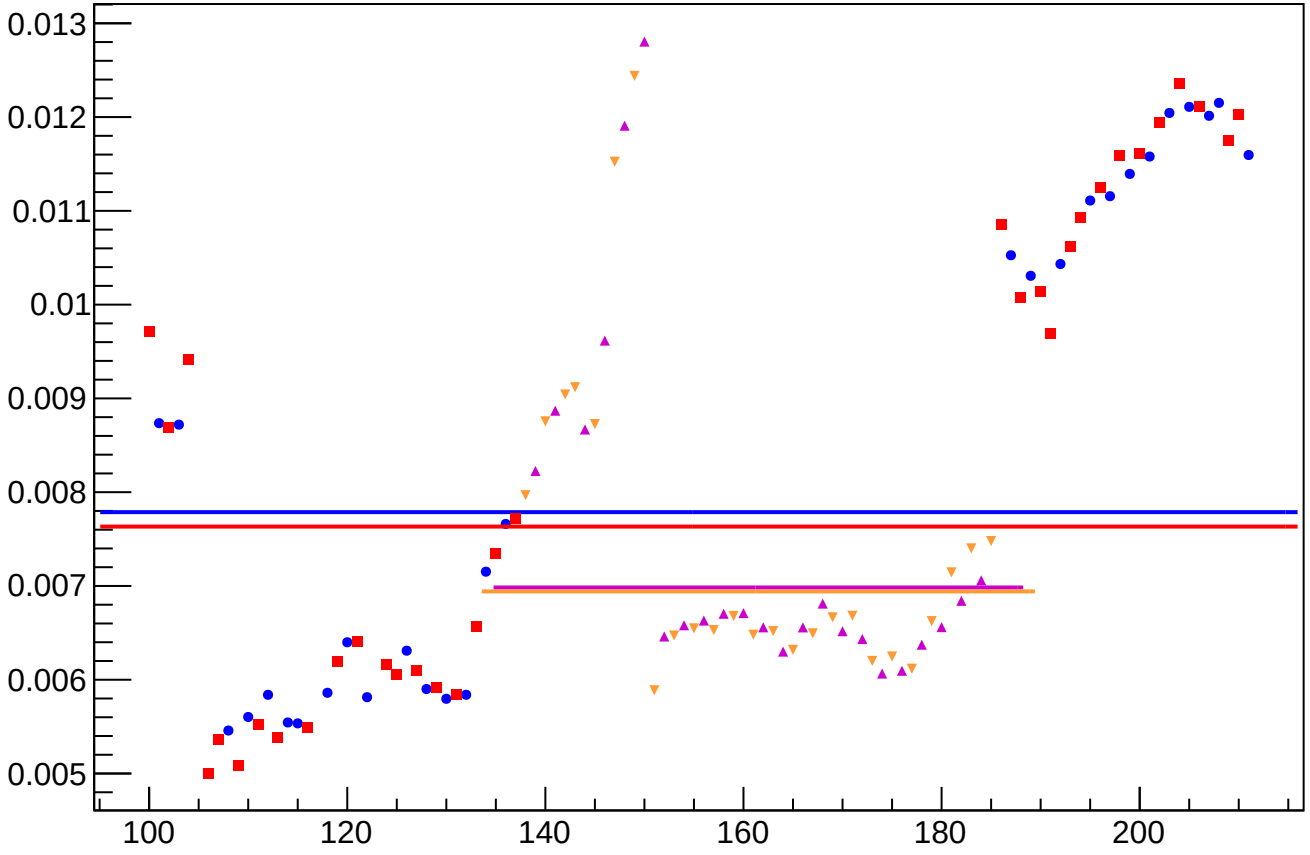
Left In: 0.430+/-0.000 χ^2/NDF:9041195997.1/22

+ sign 0.511+/-0.000 χ^2/NDF: 84547158550.1/52

All: 0.502+/-0.000 χ^2/NDF: 187392128573.5

- sign 0.493+/-0.000 χ^2/NDF: 102743921332.4/55

yield_bpm2i02X_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF: 3013902.1/27

Left Out: 0.007+/-0.000 χ^2/NDF:1090916.4/24

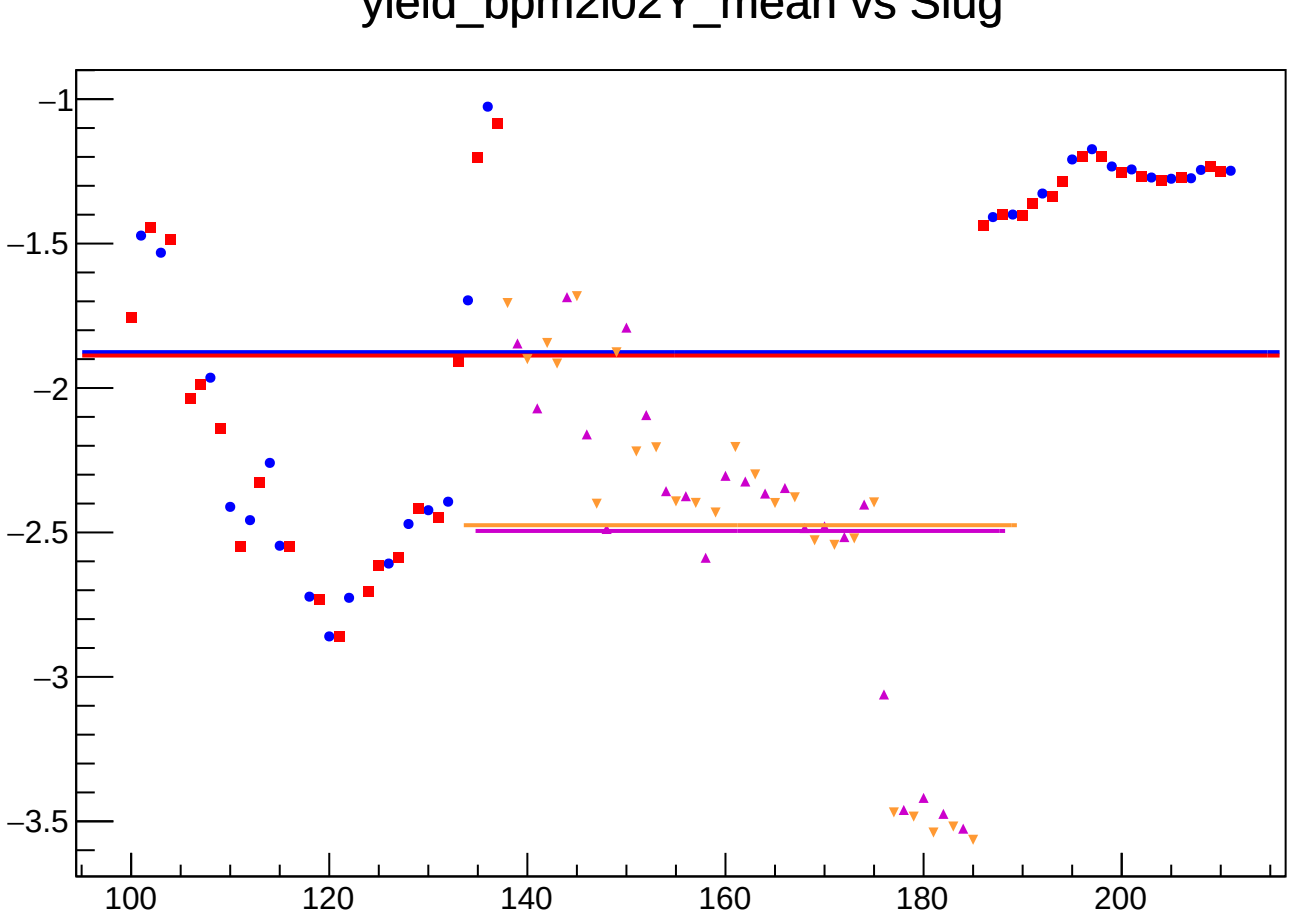
Right Out: 0.008+/-0.000 χ^2/NDF: 3646765.2/32

Left In: 0.007+/-0.000 χ^2/NDF:1136529.0/22

+ sign 0.007+/-0.000 χ^2/NDF: 4320766.9/52

All: 0.007+/-0.000 χ^2/NDF: 9236751.1/108

- sign 0.007+/-0.000 χ^2/NDF: 4915966.6/55



Right In: -1.876+/-0.000 χ^2/NDF: 114047003153.4/27

Left Out: -2.475+/-0.000 χ^2/NDF:122955897541.5/24

Right Out: -1.888+/-0.000 χ^2/NDF: 112996641729.9/32

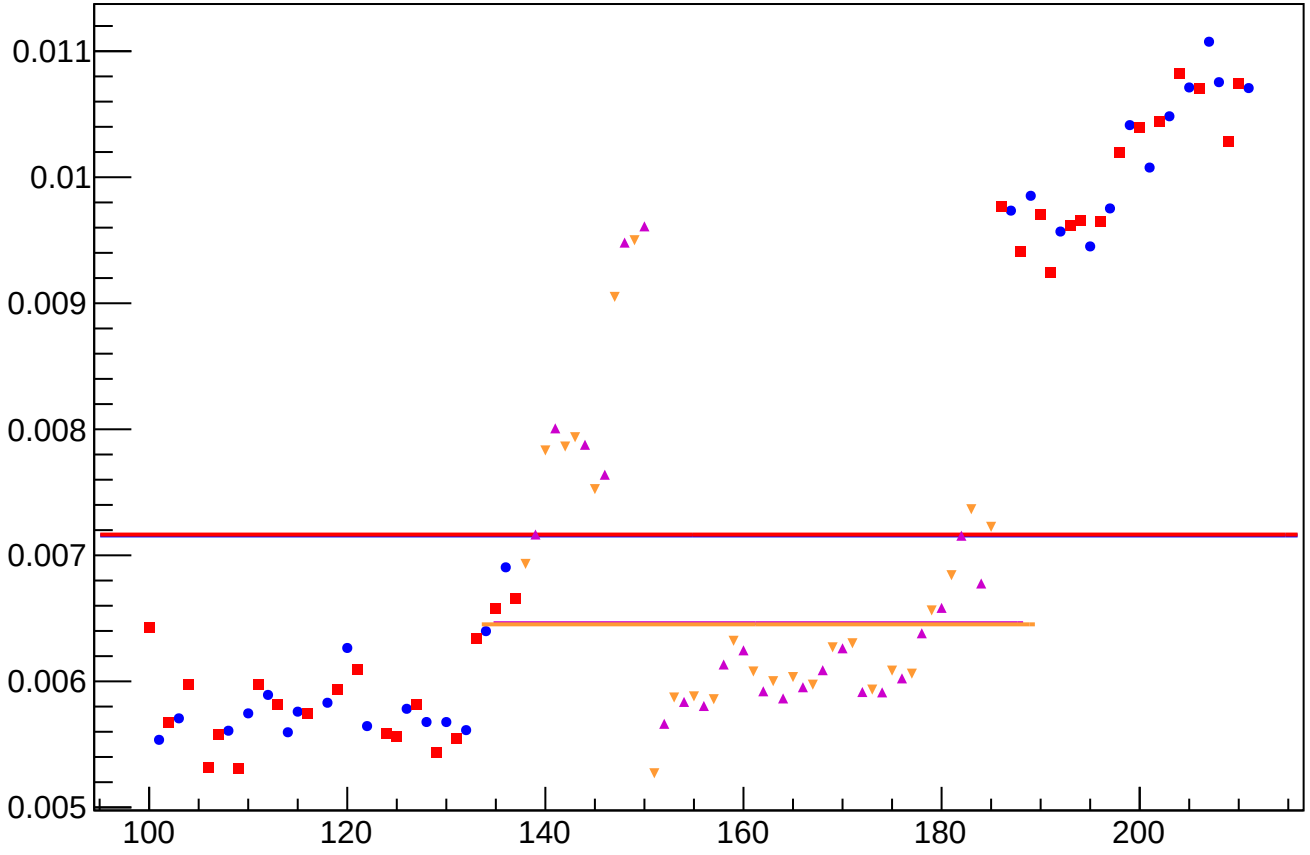
Left In: -2.495+/-0.000 χ^2/NDF:96774638297.6/22

+ sign -2.237+/-0.000 χ^2/NDF: 301776352730.8/52

All: -2.235+/-0.000 χ^2/NDF: 579867532940.6

- sign -2.233+/-0.000 χ^2/NDF: 278083758622.9/55

yield_bpm2i02Y_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 2480700.1/27

Left Out: 0.006+/-0.000 χ^2/NDF:713238.0/24

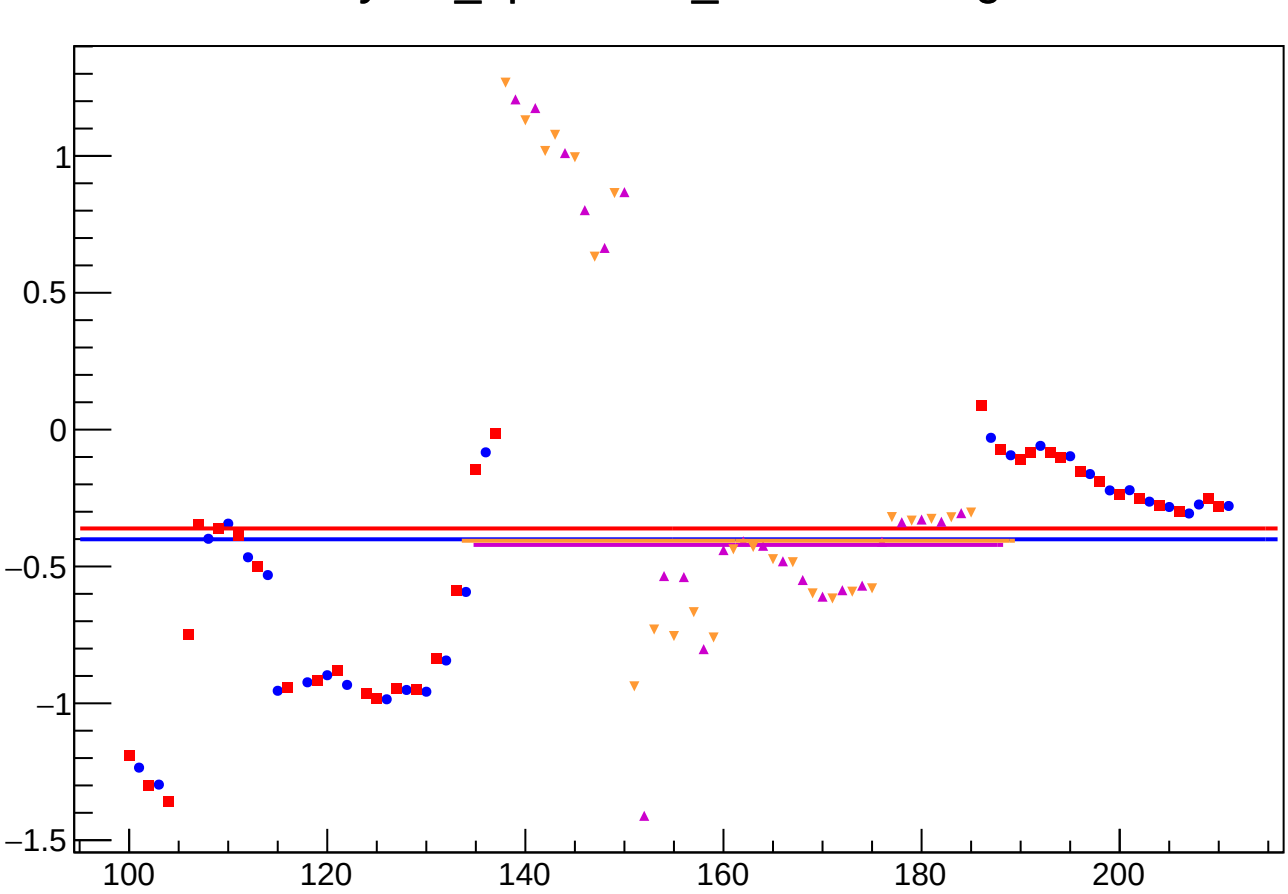
Right Out: 0.007+/-0.000 χ^2/NDF: 2704457.8/32

Left In: 0.006+/-0.000 χ^2/NDF:720640.7/22

+ sign 0.007+/-0.000 χ^2/NDF: 3373540.0/52

All: 0.007+/-0.000 χ^2/NDF: 6982694.5/108

- sign 0.007+/-0.000 χ^2/NDF: 3608354.2/55



Right In: -0.401+/-0.000 χ^2/NDF: 24387749326.8/27

Left Out: -0.406+/-0.000 χ^2/NDF:81633647828.2/24

Right Out: -0.361+/-0.000 χ^2/NDF: 27276099262.0/32

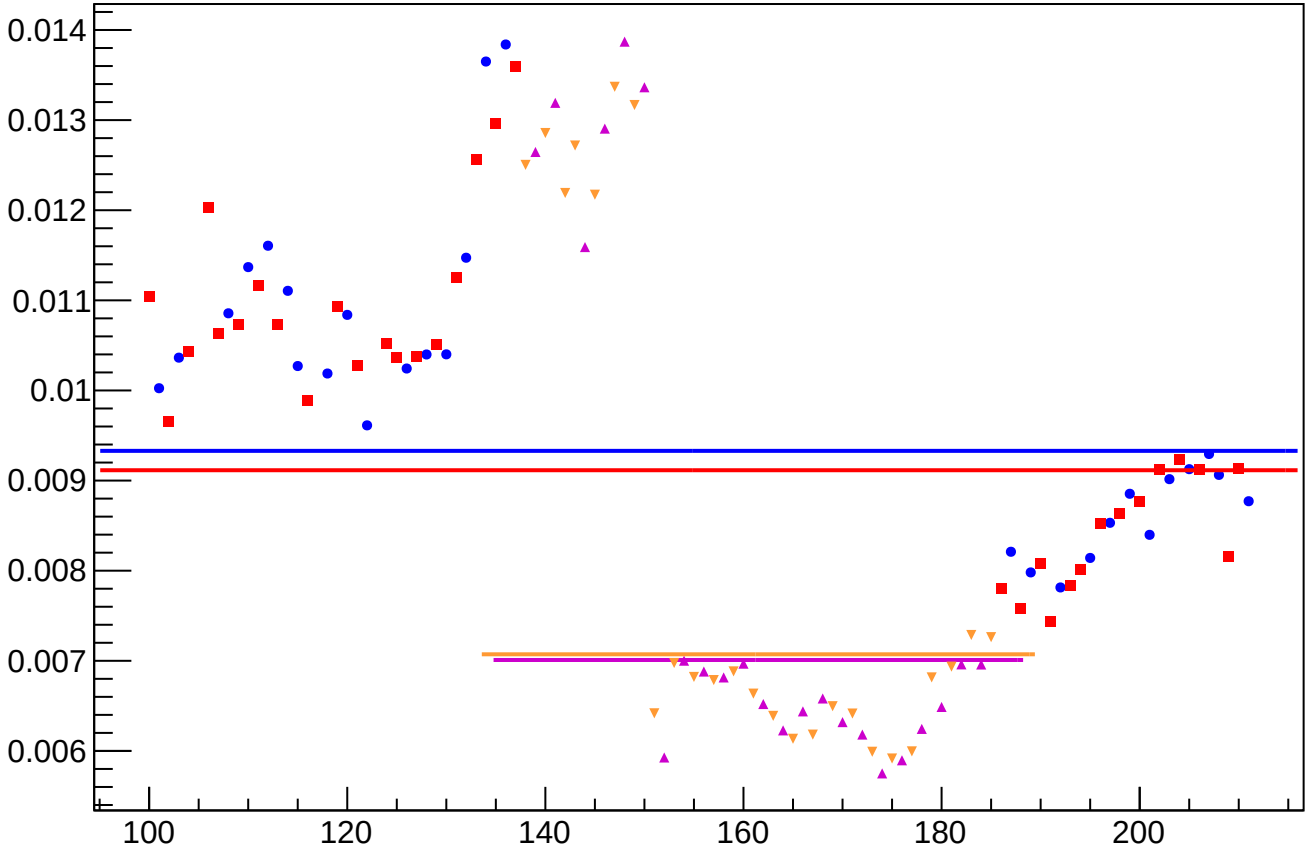
Left In: -0.421+/-0.000 χ^2/NDF:90241717621.7/22

+ sign -0.404+/-0.000 χ^2/NDF: 106024790787.6/52

All: -0.401+/-0.000 χ^2/NDF: 224020061010.9

- sign -0.398+/-0.000 χ^2/NDF: 117986041794.5/55

yield_bpm0i01X_rms vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 635593.5/27

Left Out: 0.007+/-0.000 χ^2/NDF:2384159.5/24

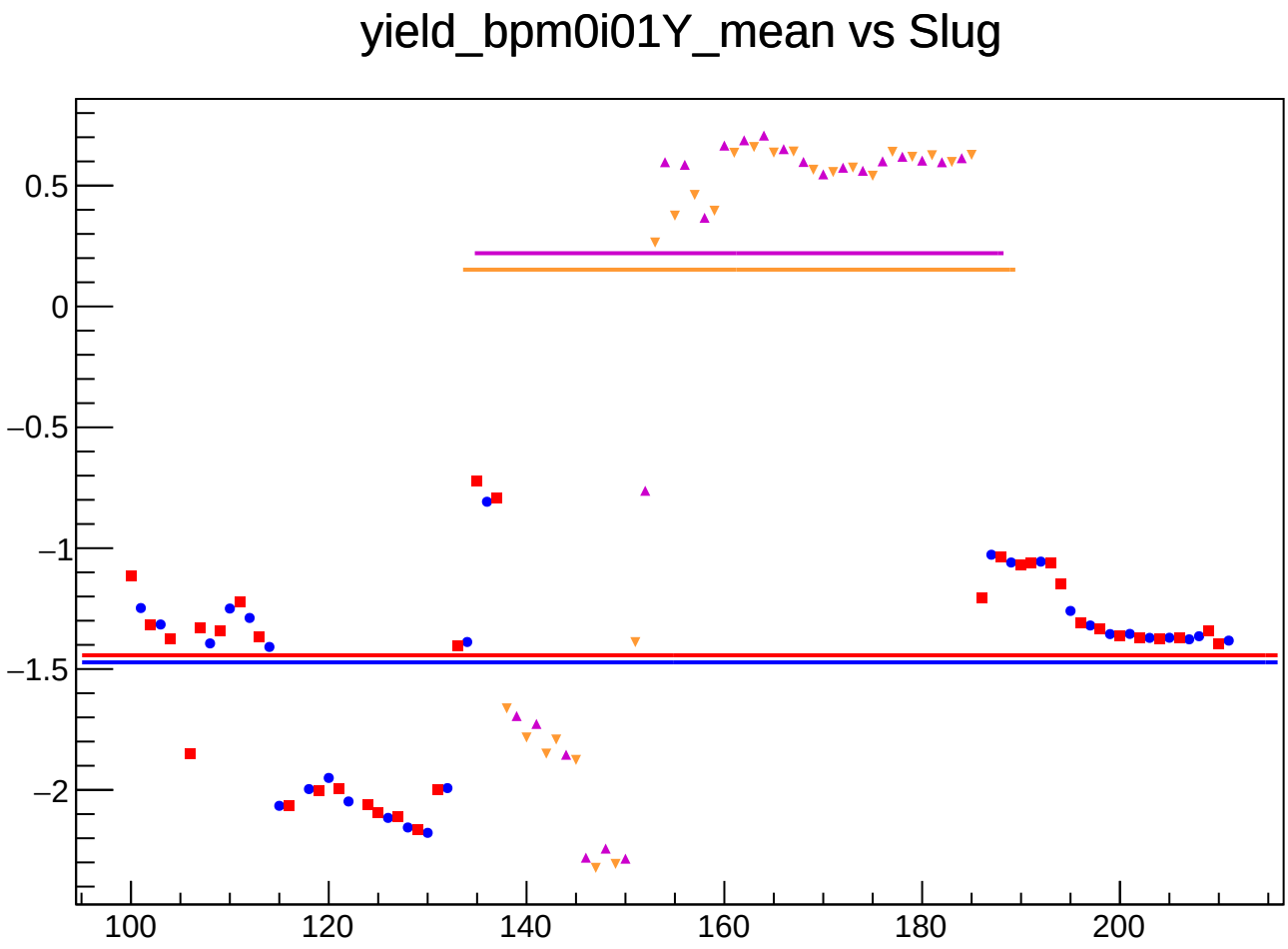
Right Out: 0.009+/-0.000 χ^2/NDF: 699589.4/32

Left In: 0.007+/-0.000 χ^2/NDF:2456348.6/22

+ sign 0.008+/-0.000 χ^2/NDF: 4255430.2/52

All: 0.008+/-0.000 χ^2/NDF: 8562711.9/108

- sign 0.008+/-0.000 χ^2/NDF: 4306695.8/55



Right In: -1.472+/-0.000 χ^2/NDF: 183593551616.4/27

Left Out: 0.152+/-0.000 χ^2/NDF:2398778835341.2/24

Right Out: -1.443+/-0.000 χ^2/NDF: 172639807805.1/32

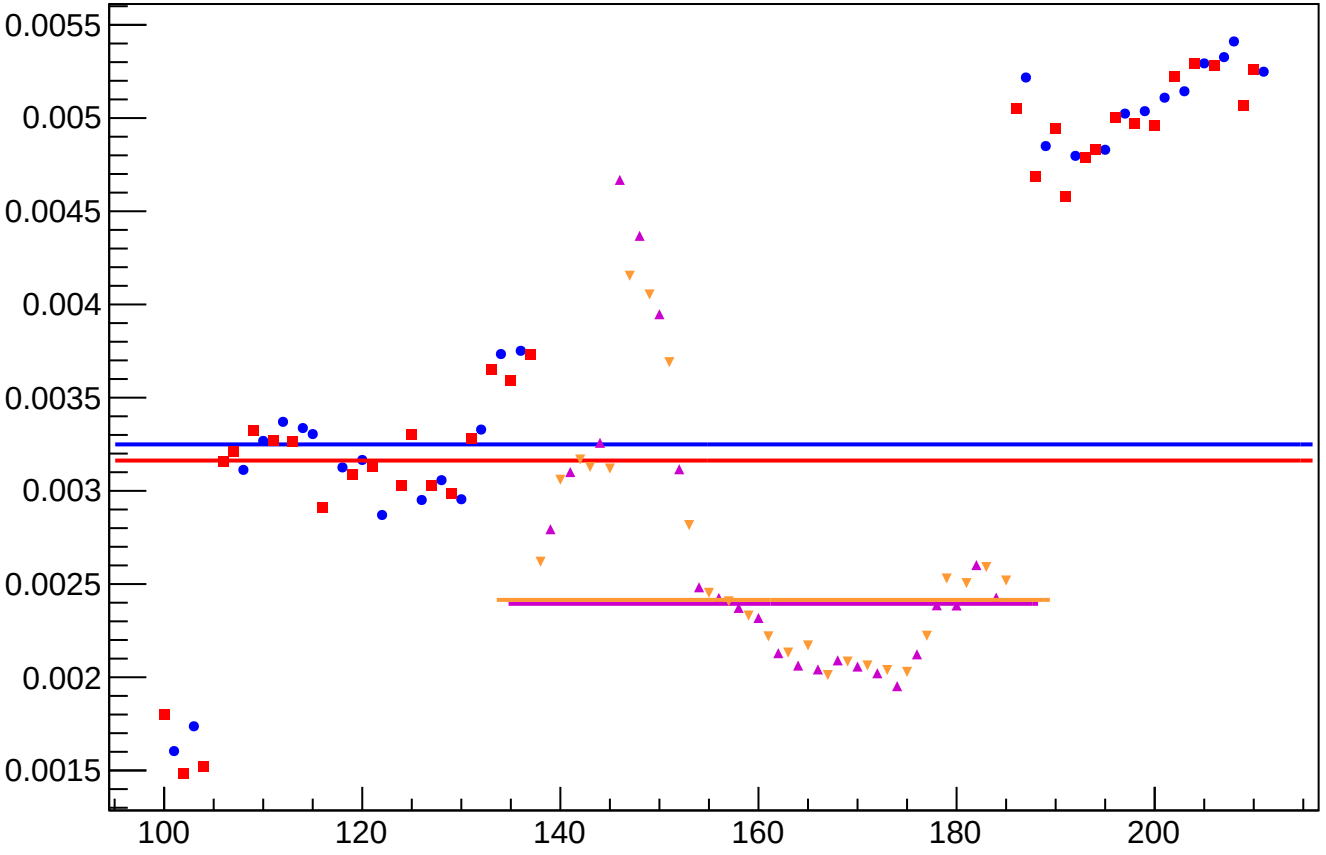
Left In: 0.220+/-0.000 χ^2/NDF:2121977245985.6/22

+ sign -0.342+/-0.000 χ^2/NDF: 4932002188136.1/5

All: -0.343+/-0.000 χ^2/NDF: 9842654366949

- sign -0.344+/-0.000 χ^2/NDF: 4910644469080.1/55

yield_bpm0i01Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 4473297.3/27

Left Out: 0.002+/-0.000 χ^2/NDF:1220406.4/24

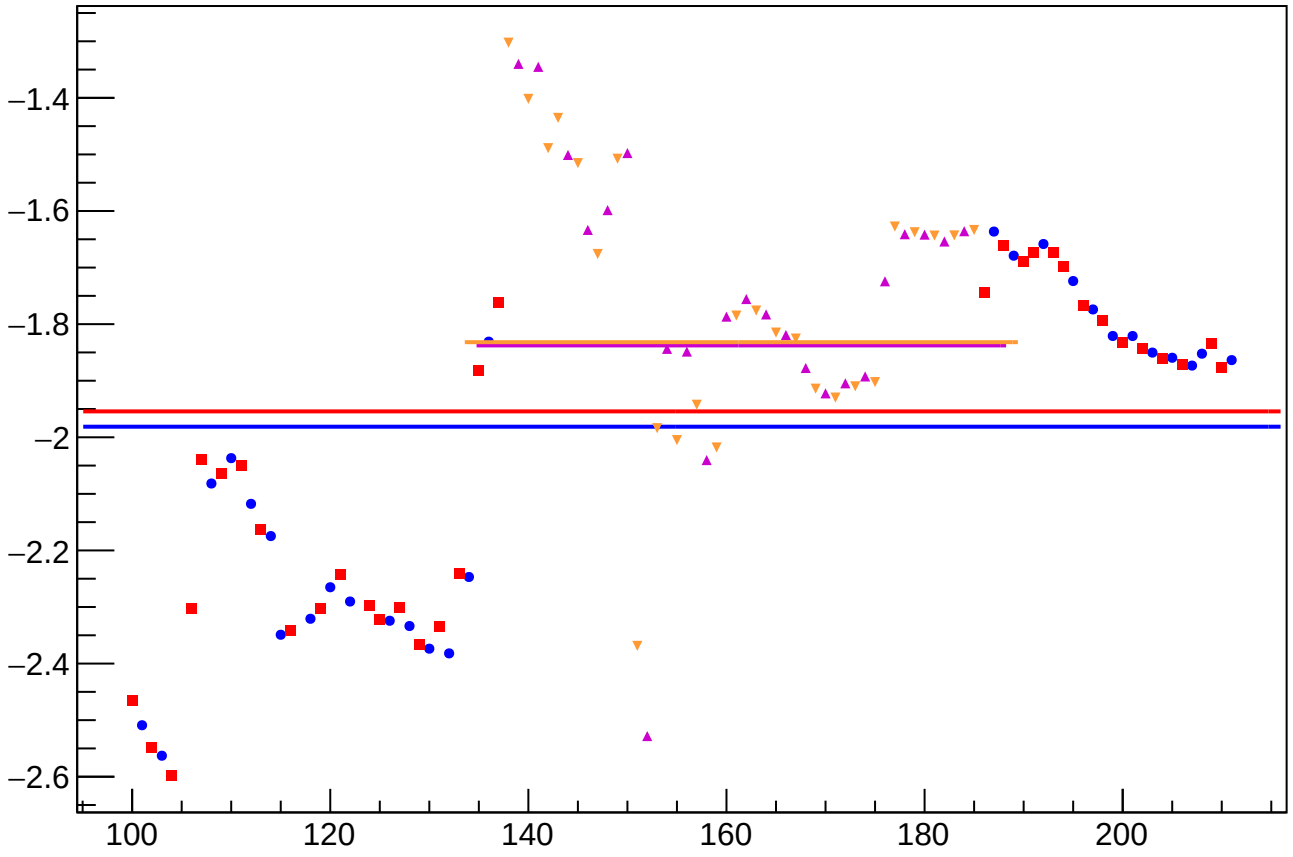
Right Out: 0.003+/-0.000 χ^2/NDF: 5529176.5/32

Left In: 0.002+/-0.000 χ^2/NDF:1409595.4/22

+ sign 0.003+/-0.000 χ^2/NDF: 6932371.8/52

All: 0.003+/-0.000 χ^2/NDF: 14989158.8/108

- sign 0.003+/-0.000 χ^2/NDF: 8055942.1/55



Right In: -1.981+/-0.000 χ^2/NDF: 33701747221.1/27

Left Out: -1.832+/-0.000 χ^2/NDF:38365576589.1/24

Right Out: -1.954+/-0.000 χ^2/NDF: 37915984484.5/32

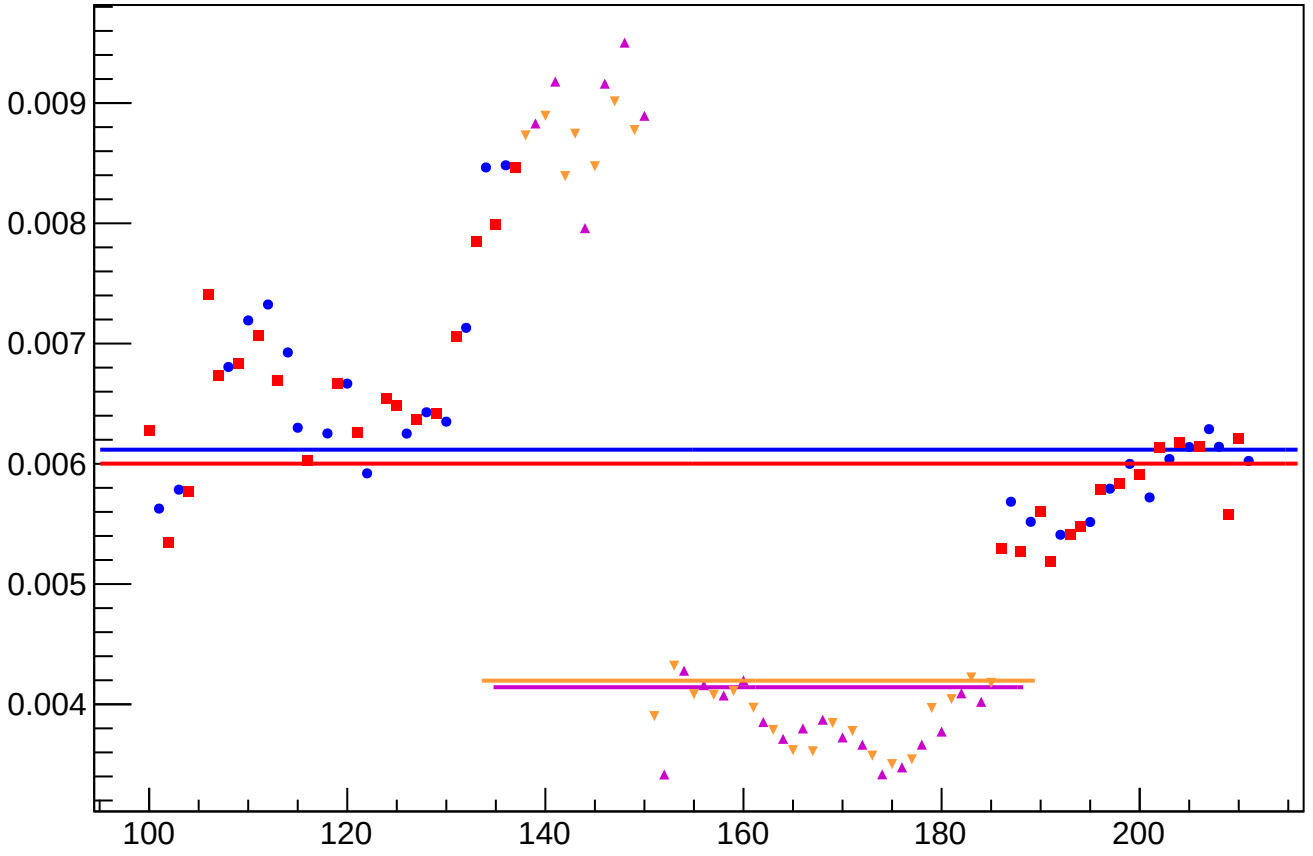
Left In: -1.838+/-0.000 χ^2/NDF:53437434367.2/22

+ sign -1.877+/-0.000 χ^2/NDF: 78708331881.7/52

All: -1.877+/-0.000 χ^2/NDF: 174407684498.0

- sign -1.877+/-0.000 χ^2/NDF: 95699319675.5/55

yield_bpm0i01aX_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF: 367360.3/27

Left Out: 0.004+/-0.000 χ^2/NDF:3091489.2/24

Right Out: 0.006+/-0.000 χ^2/NDF: 391728.3/32

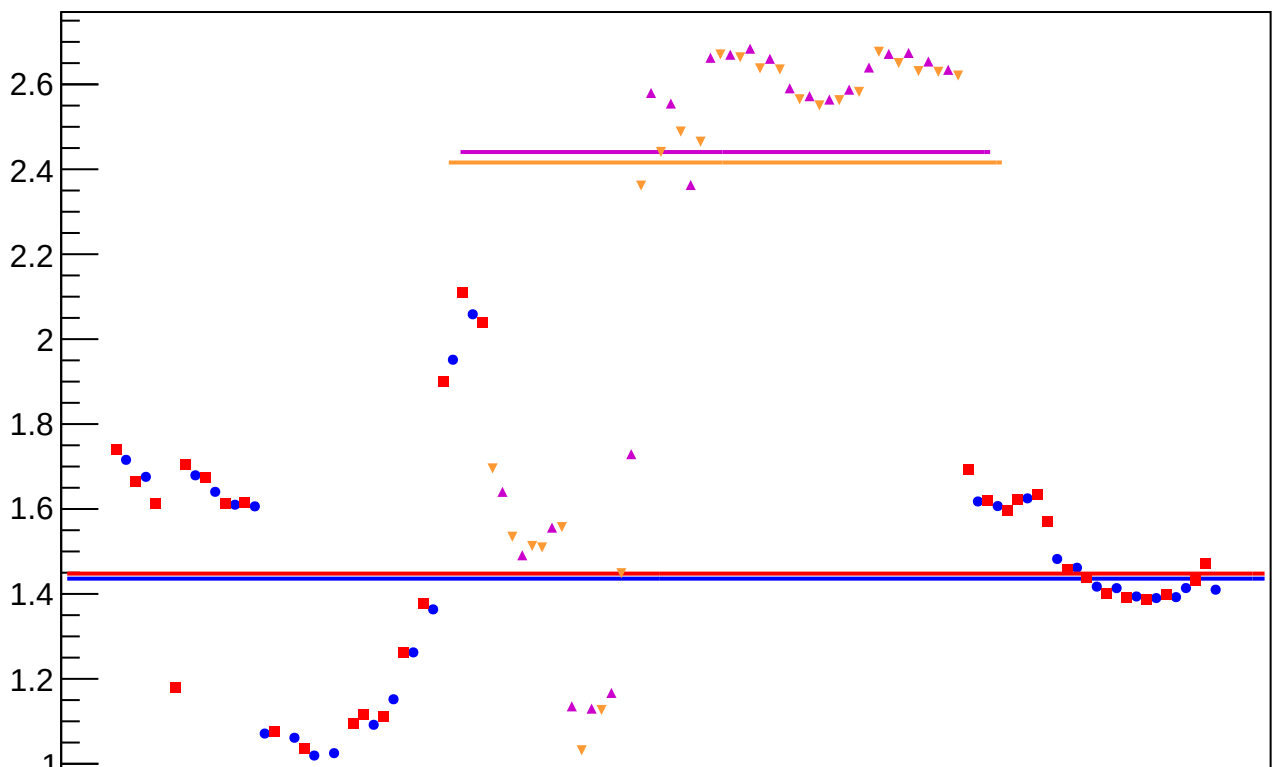
Left In: 0.004+/-0.000 χ^2/NDF:3193924.3/22

+ sign 0.005+/-0.000 χ^2/NDF: 5653669.7/52

All: 0.005+/-0.000 χ^2/NDF: 11448947.4/108

- sign 0.005+/-0.000 χ^2/NDF: 5795171.8/55

yield_bpm0i01aY_mean vs Slug



Right In: 1.436+/-0.000 χ^2/NDF: 191499361432.1/27

Left Out: 2.416+/-0.000 χ^2/NDF:242949391498.0/24

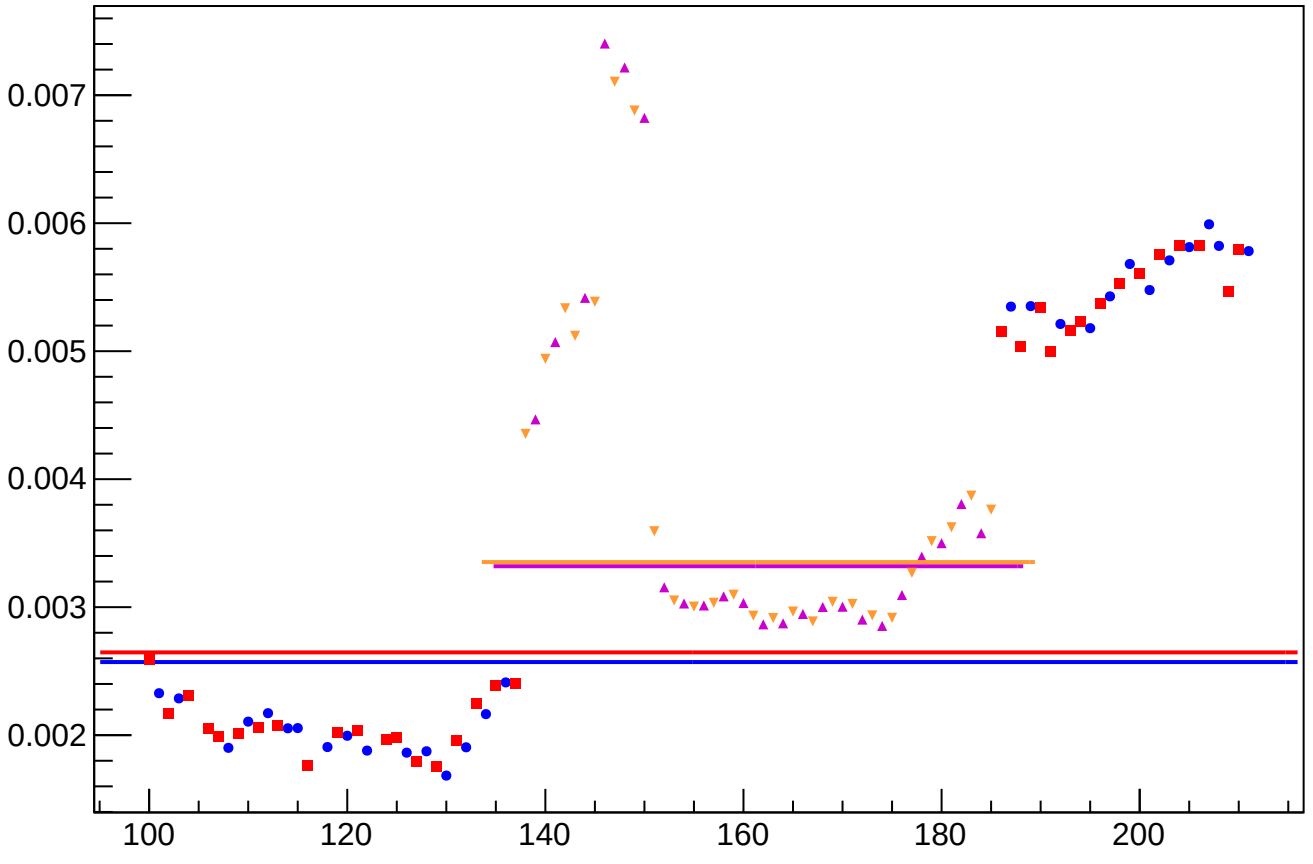
Right Out: 1.448+/-0.000 χ^2/NDF: 186648163165.4/32

Left In: 2.441+/-0.000 χ^2/NDF:231724954471.8/22

+ sign 1.873+/-0.000 χ^2/NDF: 1259861429724.1/52

All: 1.873+/-0.000 χ^2/NDF: 2514631066130.

- sign 1.872+/-0.000 χ^2/NDF: 1254766616936.0/55



Right In: 0.003+/-0.000 χ^2/NDF: 6536015.6/27

Left Out: 0.003+/-0.000 χ^2/NDF:1819921.4/24

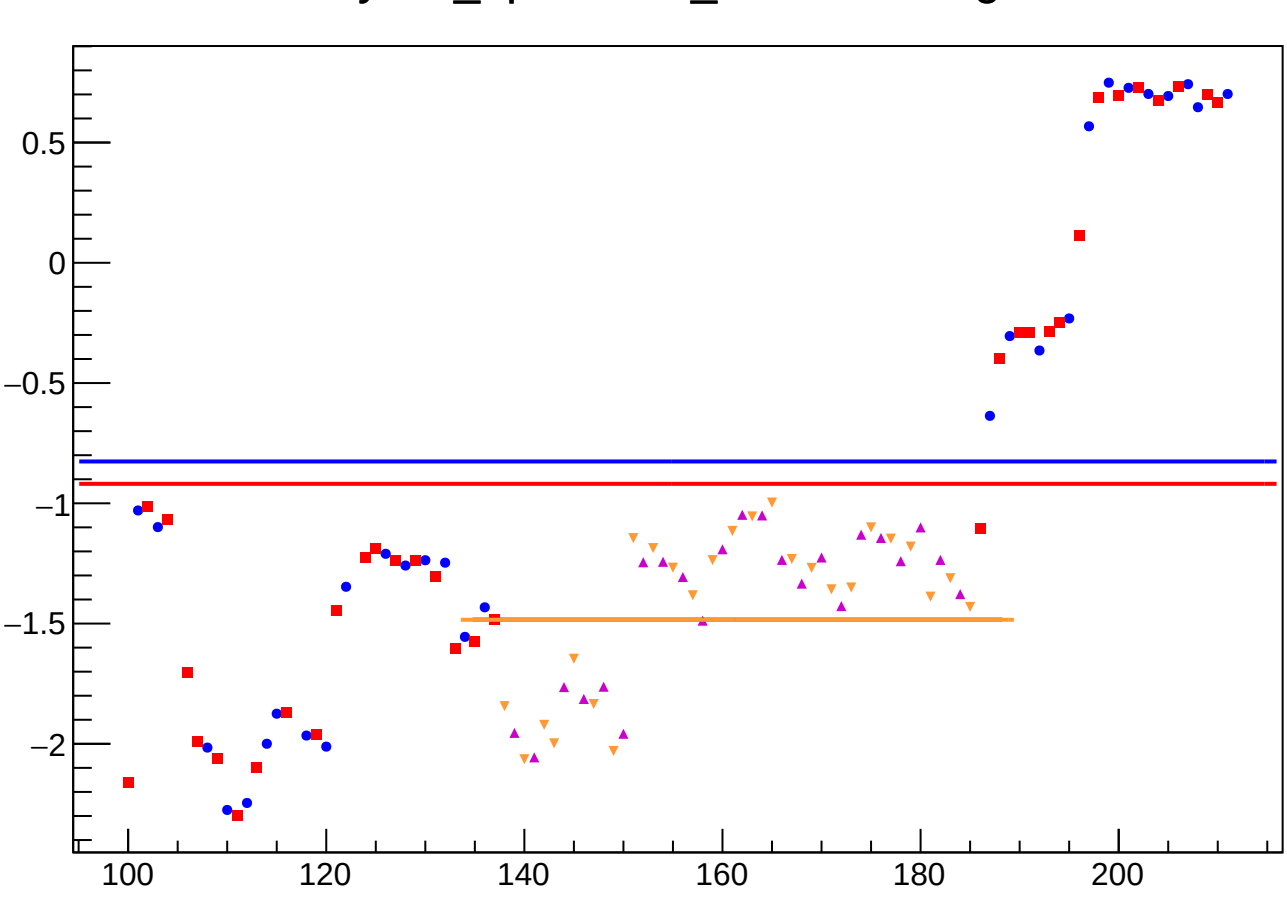
Right Out: 0.003+/-0.000 χ^2/NDF: 6957591.2/32

Left In: 0.003+/-0.000 χ^2/NDF:2055631.9/22

+ sign 0.003+/-0.000 χ^2/NDF: 9404913.9/52

All: 0.003+/-0.000 χ^2/NDF: 19187433.8/108

- sign 0.003+/-0.000 χ^2/NDF: 9781802.5/55



Right In: -0.826+/-0.000 χ^2/NDF: 219926972136.4/27

Left Out: -1.484+/-0.000 χ^2/NDF:48438764764.6/24

Right Out: -0.919+/-0.000 χ^2/NDF: 259008116576.5/32

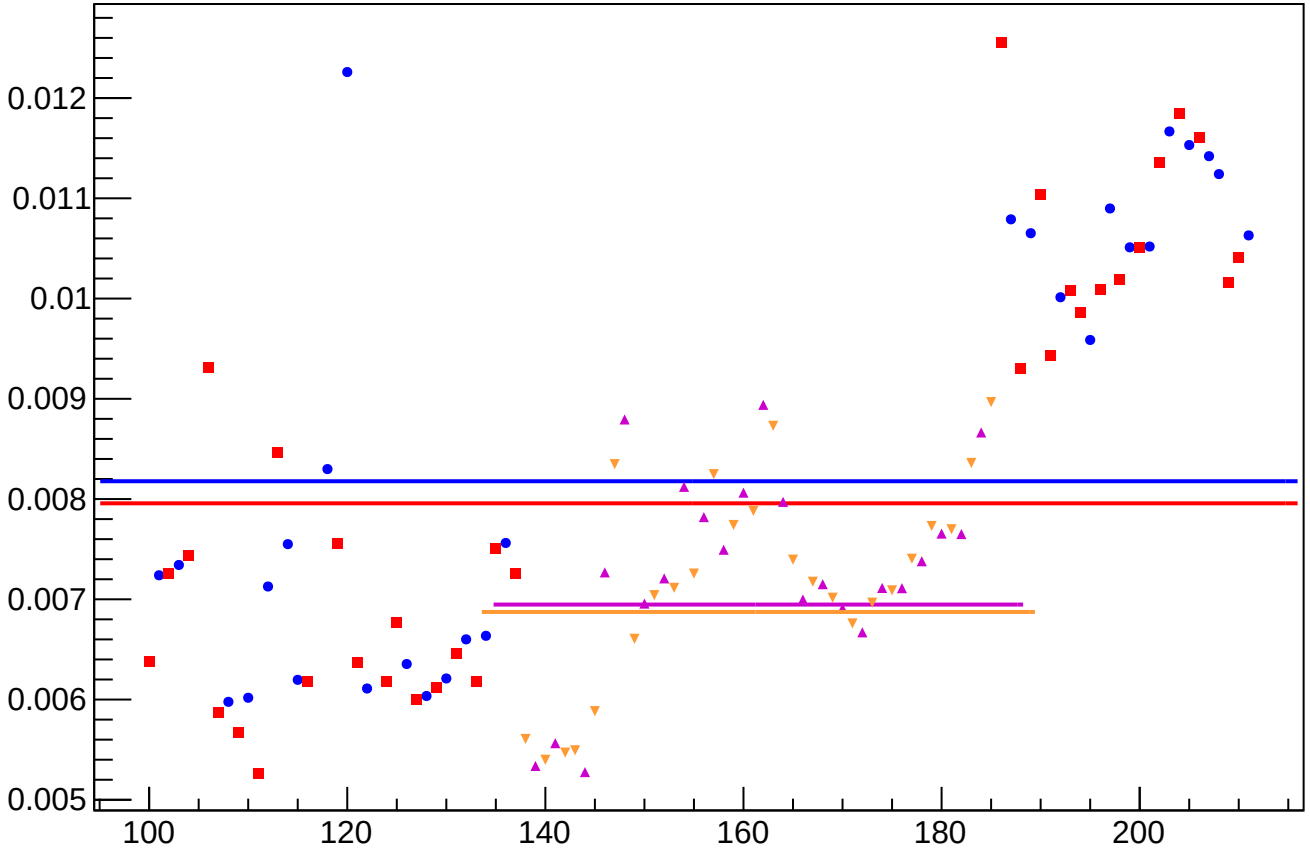
Left In: -1.483+/-0.000 χ^2/NDF:40353431150.9/22

+ sign -1.243+/-0.000 χ^2/NDF: 329056395441.1/52

All: -1.245+/-0.000 χ^2/NDF: 675709242748.5

- sign -1.246+/-0.000 χ^2/NDF: 346651439359.6/55

yield_bpm0l01X_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF: 1884134.9/27

Left Out: 0.007+/-0.000 χ^2/NDF:745531.3/24

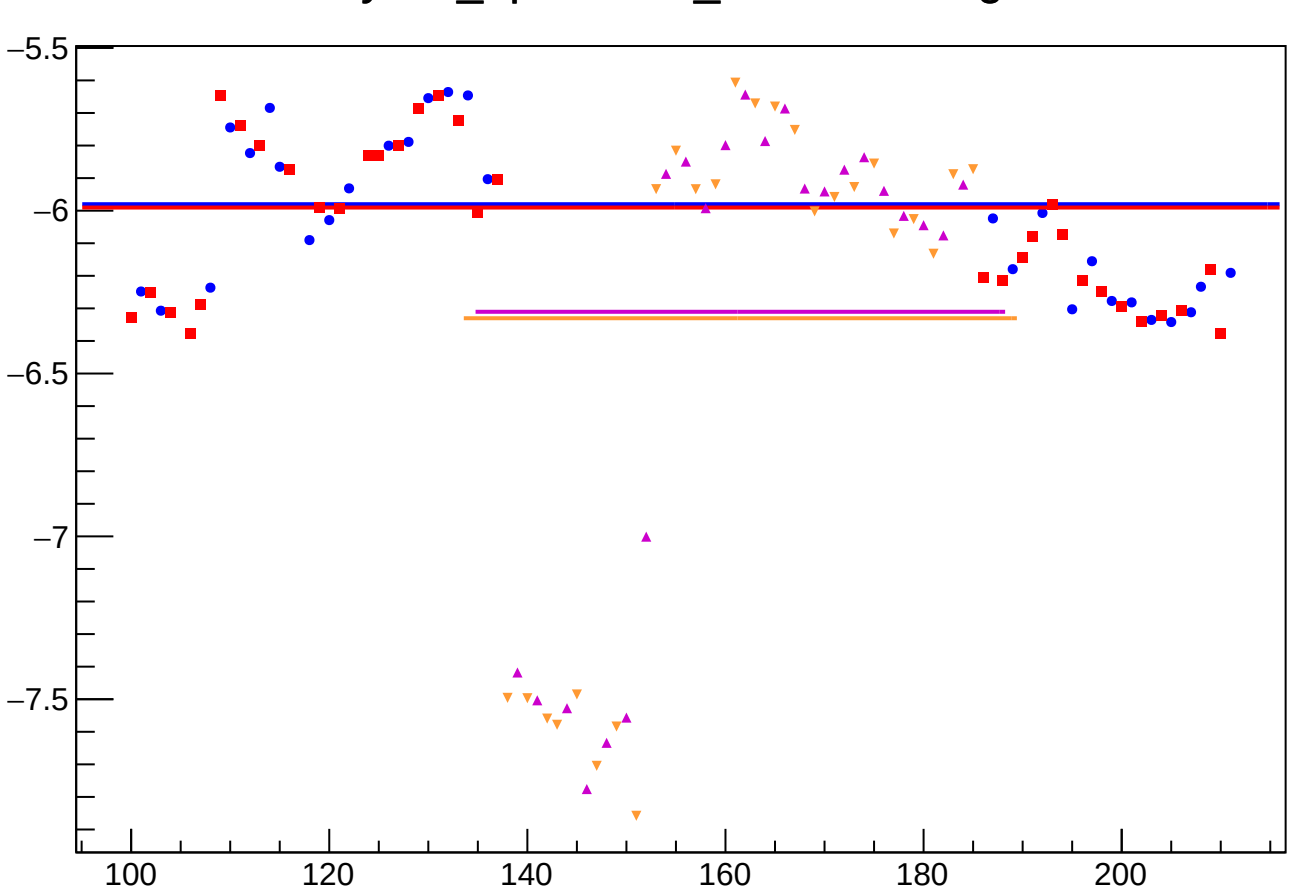
Right Out: 0.008+/-0.000 χ^2/NDF: 2193983.6/32

Left In: 0.007+/-0.000 χ^2/NDF:746731.6/22

+ sign 0.007+/-0.000 χ^2/NDF: 3106052.8/52

All: 0.007+/-0.000 χ^2/NDF: 6349974.9/108

- sign 0.007+/-0.000 χ^2/NDF: 3243623.6/55



Right In: -5.980+/-0.000 χ^2/NDF: 15981335859.5/27

Left Out: -6.330+/-0.000 χ^2/NDF:110328634370.4/24

Right Out: -5.990+/-0.000 χ^2/NDF: 17136487000.8/32

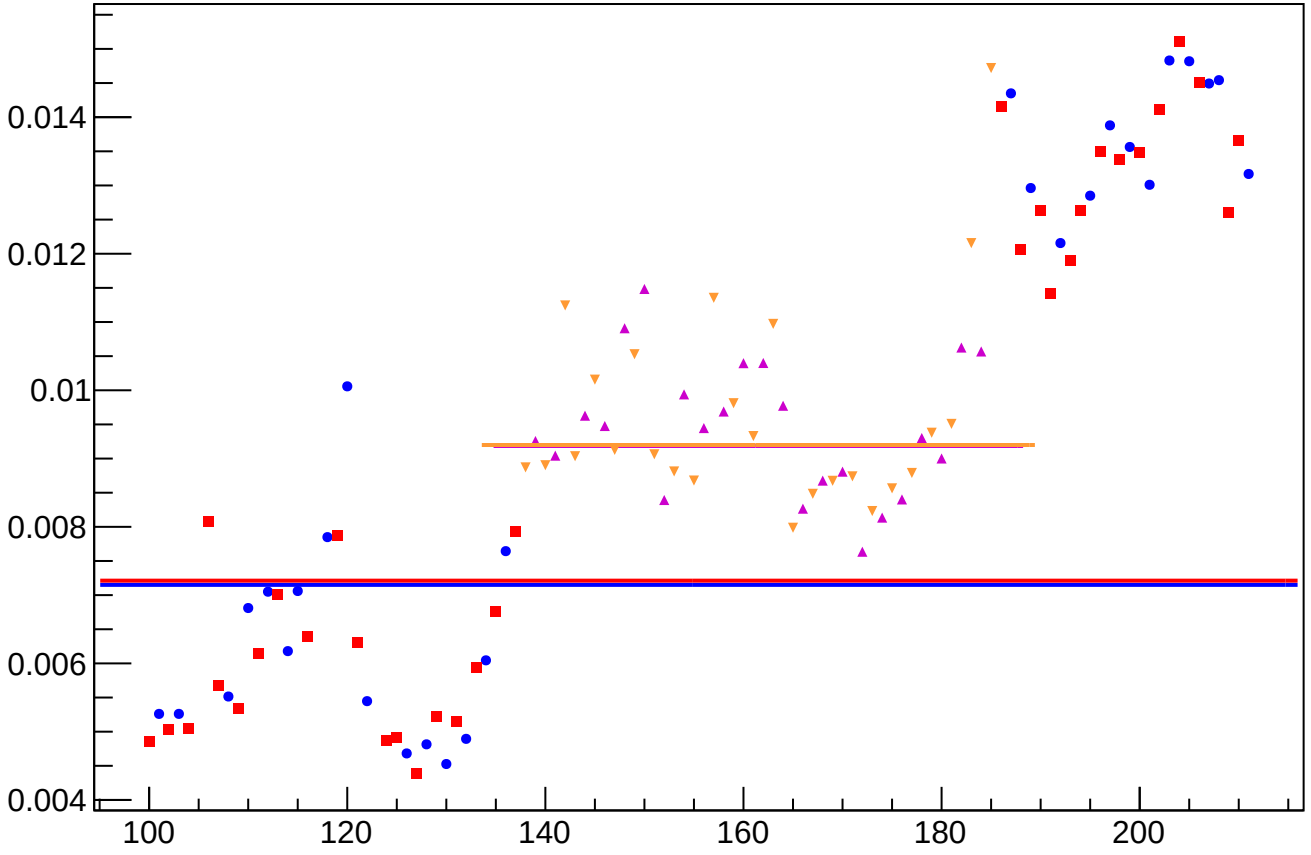
Left In: -6.310+/-0.000 χ^2/NDF:91689184100.9/22

+ sign -6.133+/-0.000 χ^2/NDF: 139506429508.3/52

All: -6.126+/-0.000 χ^2/NDF: 259514112930.8

- sign -6.120+/-0.000 χ^2/NDF: 119970796404.3/55

yield_bpm0l01Y_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 5606830.6/27

Left Out: 0.009+/-0.000 χ^2/NDF:367040.4/24

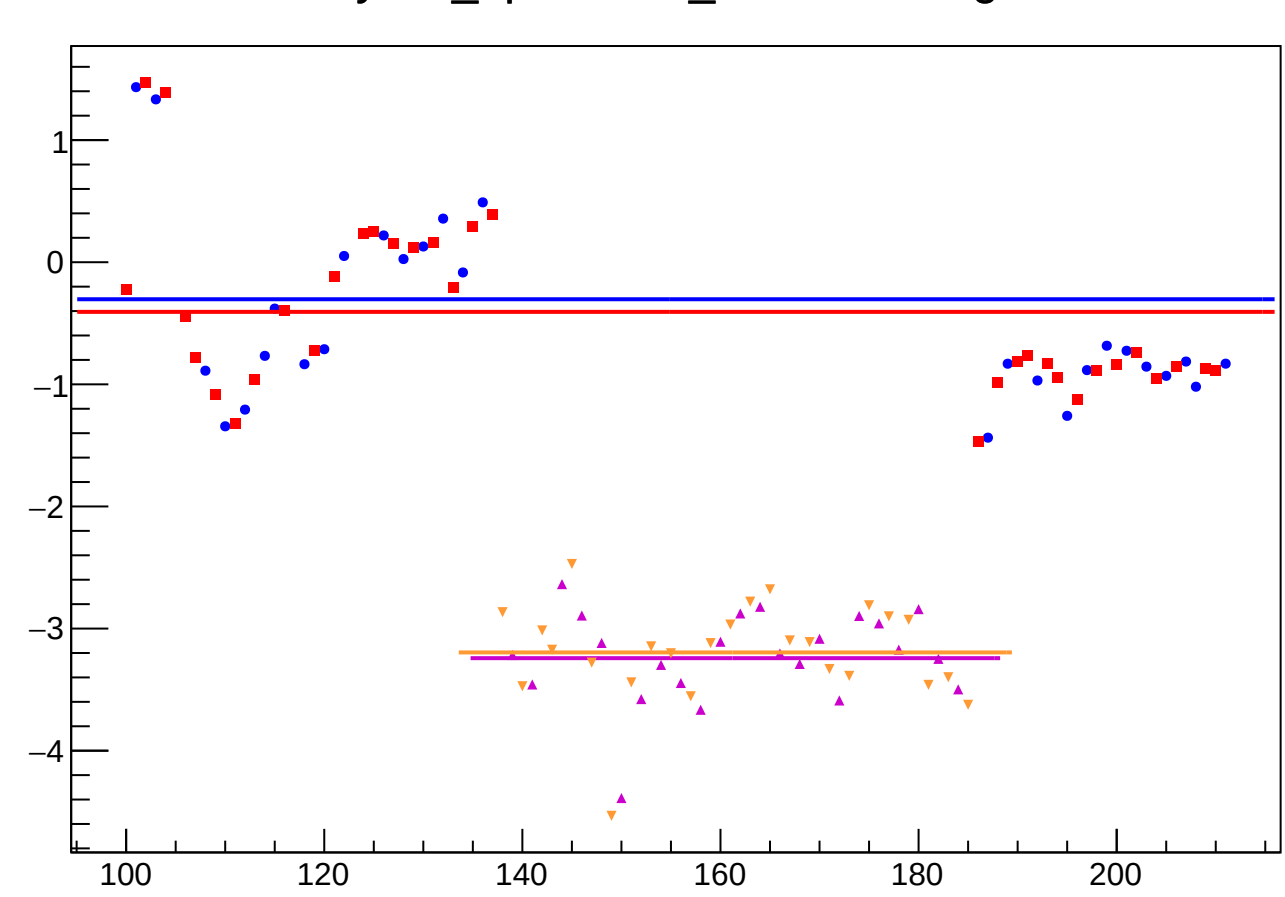
Right Out: 0.007+/-0.000 χ^2/NDF: 5810747.2/32

Left In: 0.009+/-0.000 χ^2/NDF:319063.5/22

+ sign 0.008+/-0.000 χ^2/NDF: 6877189.0/52

All: 0.008+/-0.000 χ^2/NDF: 13854012.5/108

- sign 0.008+/-0.000 χ^2/NDF: 6976329.2/55



Right In: -0.303+/-0.000 χ^2/NDF: 34825059295.3/27

Left Out: -3.195+/-0.000 χ^2/NDF:9538006171.4/24

Right Out: -0.407+/-0.000 χ^2/NDF: 36251060680.9/32

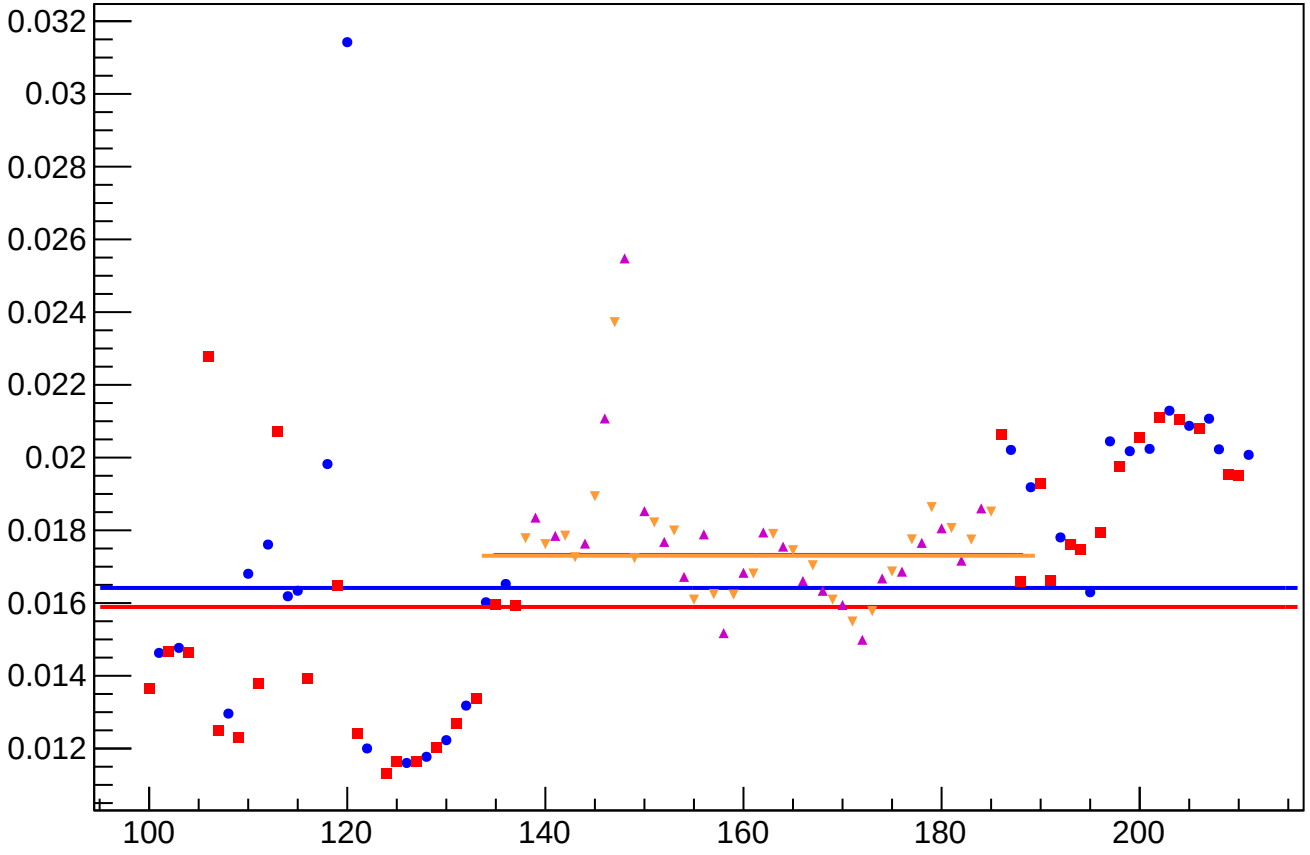
Left In: -3.242+/-0.000 χ^2/NDF:7955956403.6/22

+ sign -1.827+/-0.000 χ^2/NDF: 289941462112.6/52

All: -1.783+/-0.000 χ^2/NDF: 583408648188.6

- sign -1.740+/-0.000 χ^2/NDF: 293007936274.9/55

yield_bpm0l02X_rms vs Slug



Right In: 0.016+/-0.000 χ^2/NDF: 1404888.8/27

Left Out: 0.017+/-0.000 χ^2/NDF:218030.0/24

Right Out: 0.016+/-0.000 χ^2/NDF: 1441127.6/32

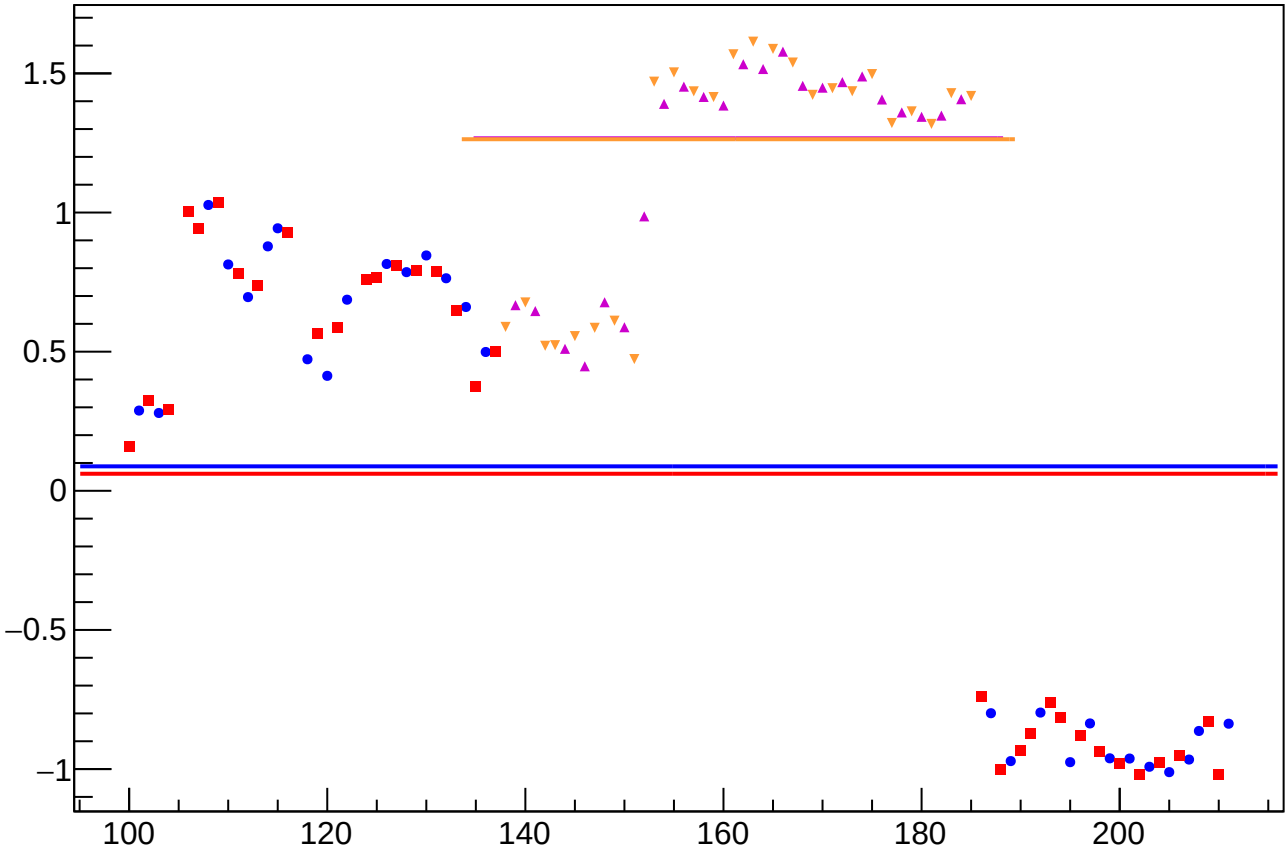
Left In: 0.017+/-0.000 χ^2/NDF:329879.6/22

+ sign 0.017+/-0.000 χ^2/NDF: 1668964.0/52

All: 0.017+/-0.000 χ^2/NDF: 3578635.2/108

- sign 0.017+/-0.000 χ^2/NDF: 1897522.7/55

yield_bpm0l02Y_mean vs Slug



Right In: 0.088+/-0.000 χ^2/NDF: 81468387615.8/27

Left Out: 1.263+/-0.000 χ^2/NDF:45594559273.0/24

Right Out: 0.061+/-0.000 χ^2/NDF: 96039652224.6/32

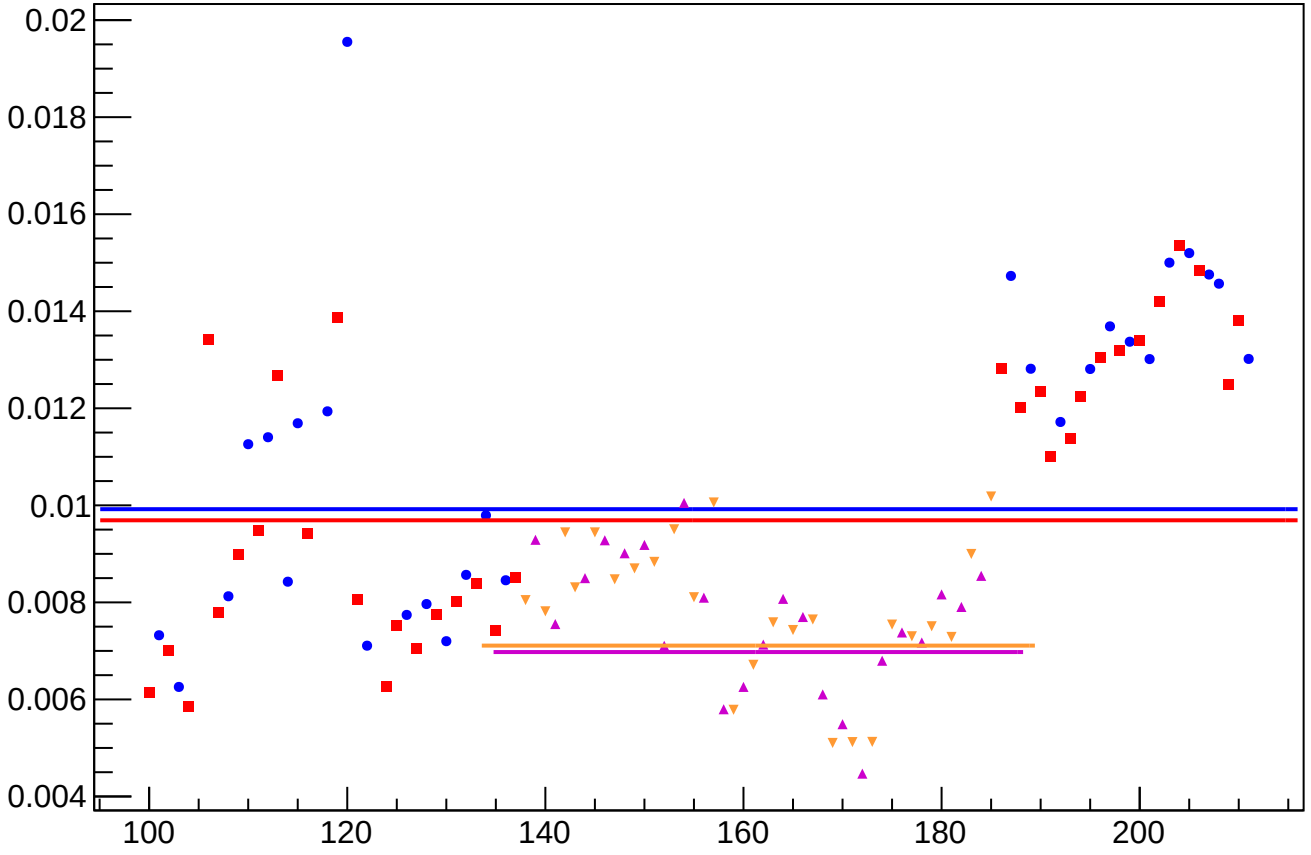
Left In: 1.267+/-0.000 χ^2/NDF:37614918579.9/22

+ sign 0.911+/-0.000 χ^2/NDF: 266327200571.4/52

All: 0.889+/-0.000 χ^2/NDF: 561177931057.3

- sign 0.867+/-0.000 χ^2/NDF: 294378483999.3/55

yield_bpm0l02Y_rms vs Slug



Right In: 0.010+/-0.000 χ^2/NDF: 2636397.4/27

Left Out: 0.007+/-0.000 χ^2/NDF:1519295.8/24

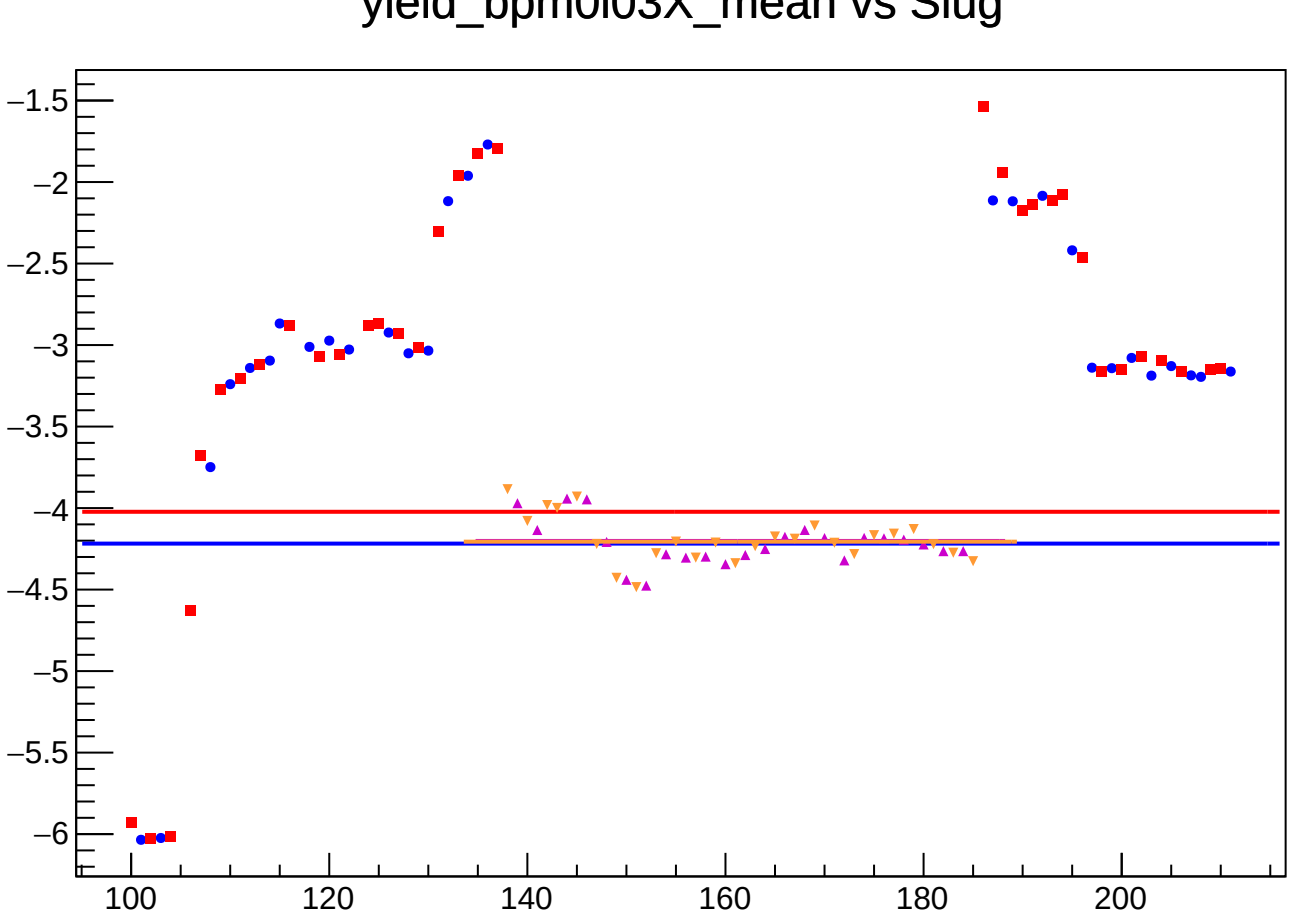
Right Out: 0.010+/-0.000 χ^2/NDF: 2799249.8/32

Left In: 0.007+/-0.000 χ^2/NDF:1457031.8/22

+ sign 0.008+/-0.000 χ^2/NDF: 5749073.9/52

All: 0.008+/-0.000 χ^2/NDF: 11638965.4/108

- sign 0.008+/-0.000 χ^2/NDF: 5887101.0/55



Right In: -4.218+/-0.000 χ^2/NDF: 298686795886.4/27

Left Out: -4.206+/-0.000 χ^2/NDF:61558336.8/24

Right Out: -4.023+/-0.000 χ^2/NDF: 305250792919.3/32

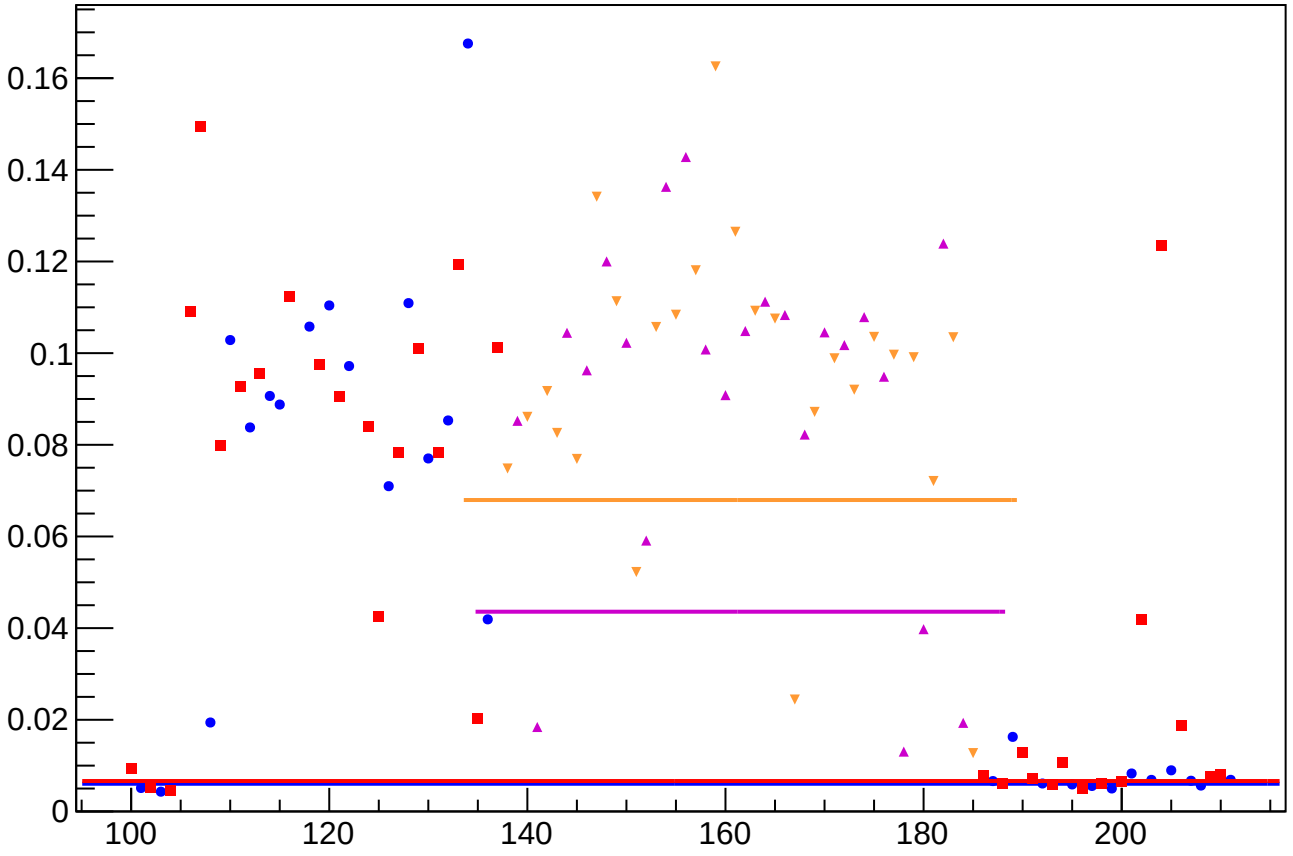
Left In: -4.202+/-0.000 χ^2/NDF:42747893.4/22

+ sign -4.218+/-0.000 χ^2/NDF: 298748720385.2/52

All: -4.134+/-0.000 χ^2/NDF: 606090521418.8

- sign -4.030+/-0.000 χ^2/NDF: 305419124688.7/55

yield_bpm0l03X_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF: 8919766.8/27

Left Out: 0.068+/-0.000 χ^2/NDF:7631751.0/24

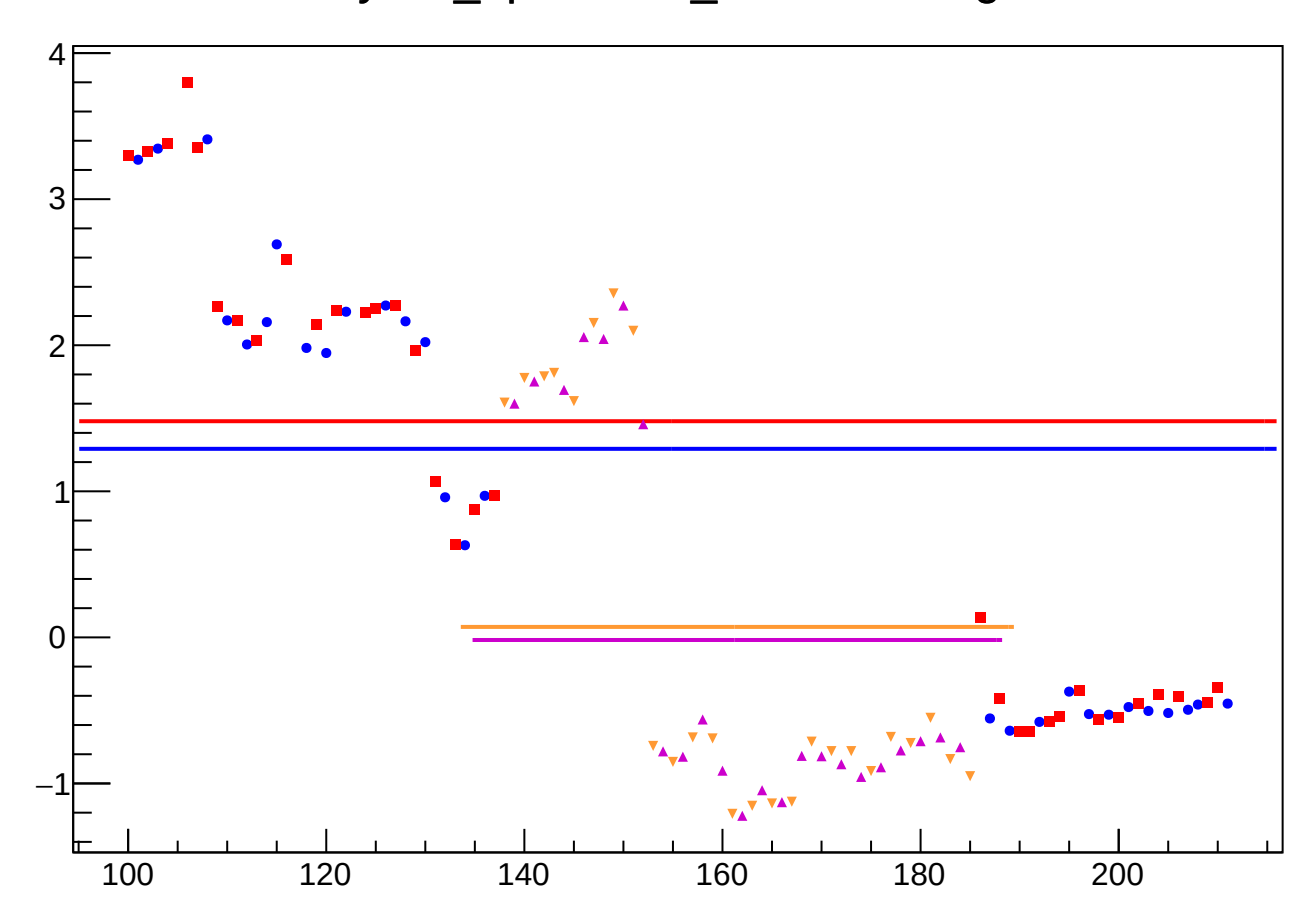
Right Out: 0.007+/-0.000 χ^2/NDF: 10698911.9/32

Left In: 0.044+/-0.000 χ^2/NDF:12761920.2/22

+ sign 0.007+/-0.000 χ^2/NDF: 36503453.7/52

All: 0.008+/-0.000 χ^2/NDF: 70736314.1/108

- sign 0.008+/-0.000 χ^2/NDF: 34167333.9/55



Right In: 1.291+/-0.000 χ^2/NDF: 232838601993.1/27

Left Out: 0.072+/-0.000 χ^2/NDF:3635027099.6/24

Right Out: 1.480+/-0.000 χ^2/NDF: 202390171294.9/32

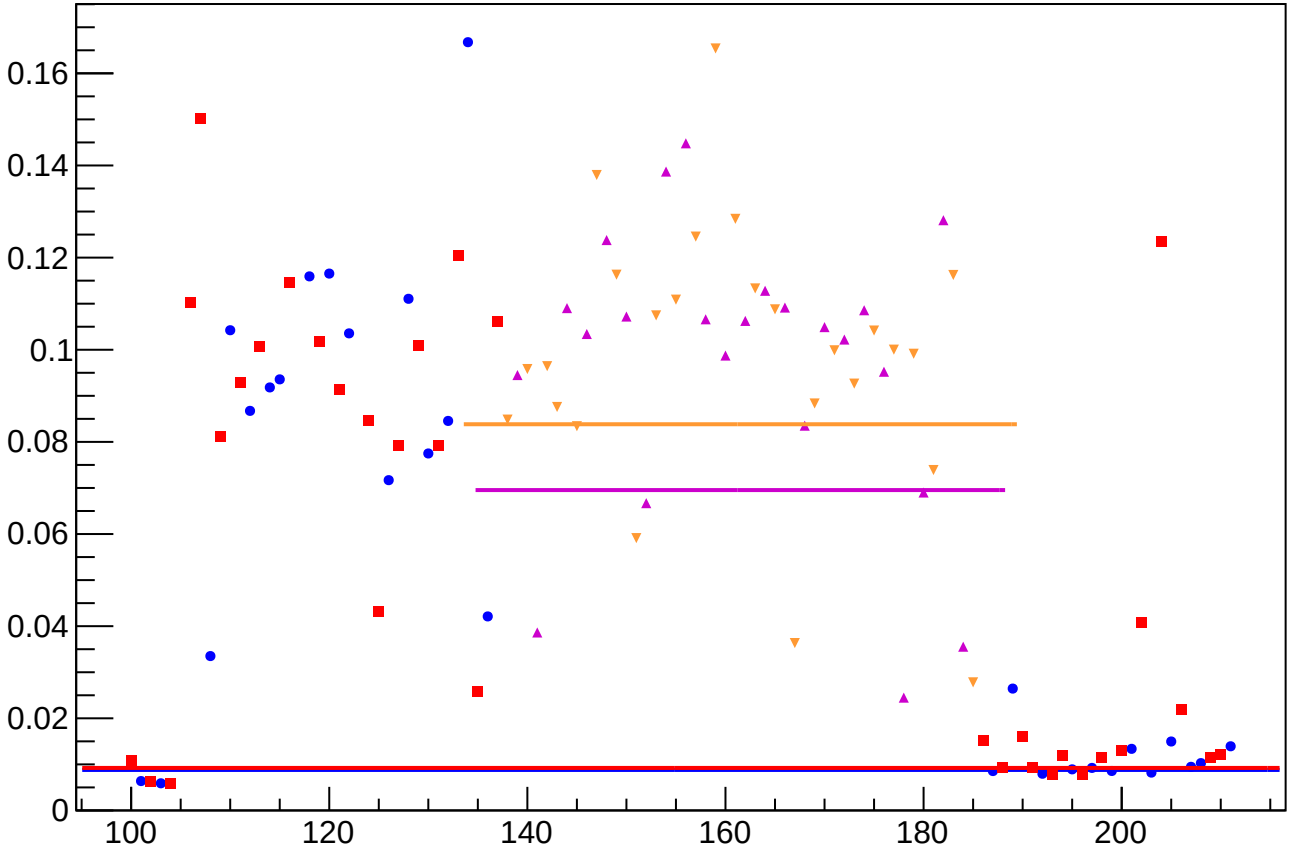
Left In: -0.018+/-0.000 χ^2/NDF:3455714643.1/22

+ sign 1.254+/-0.000 χ^2/NDF: 239438169646.2/52

All: 1.331+/-0.000 χ^2/NDF: 451270719448.4

- sign 1.420+/-0.000 χ^2/NDF: 210965382922.6/55

yield_bpm0l03Y_rms vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 8843632.9/27

Left Out: 0.084+/-0.000 χ^2/NDF:3830160.2/24

Right Out: 0.009+/-0.000 χ^2/NDF: 10488806.1/32

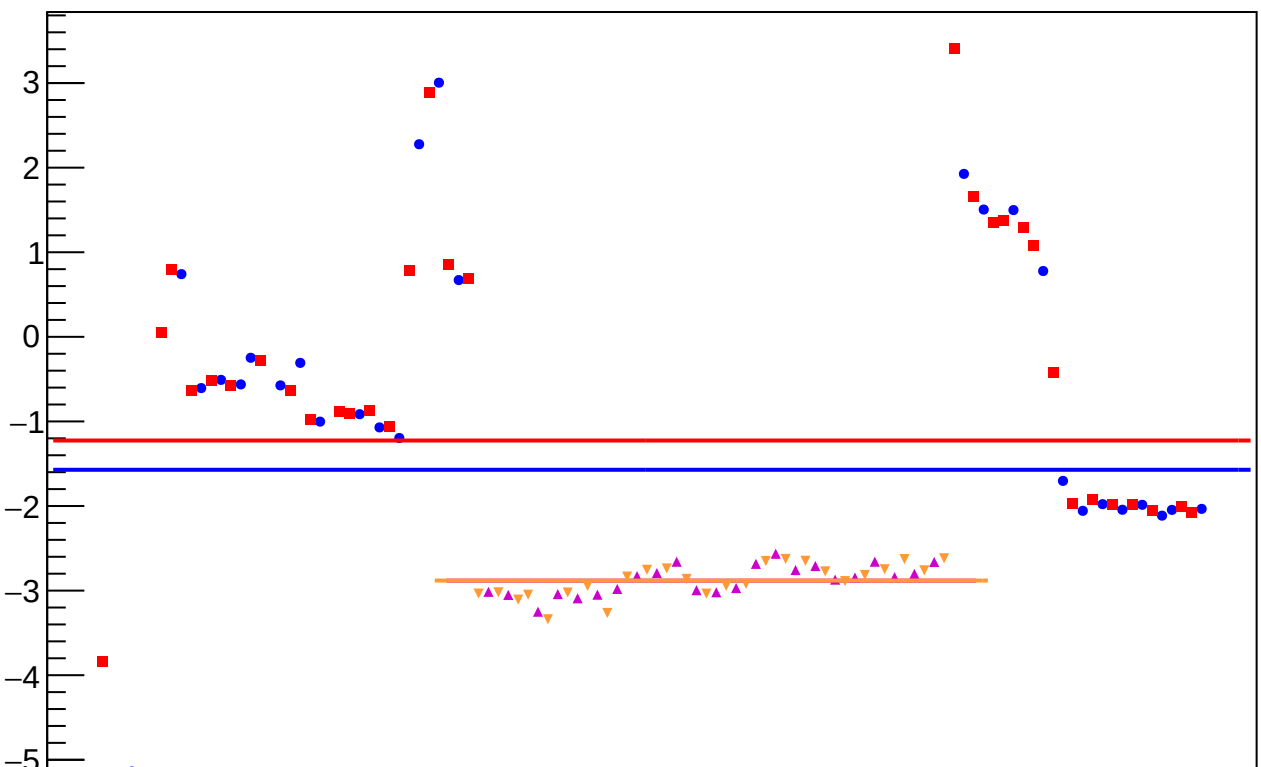
Left In: 0.070+/-0.000 χ^2/NDF:6697383.9/22

+ sign 0.011+/-0.000 χ^2/NDF: 35132487.1/52

All: 0.011+/-0.000 χ^2/NDF: 68941549.6/108

- sign 0.012+/-0.000 χ^2/NDF: 33788952.7/55

yield_bpm0l04X_mean vs Slug



Right In: -1.572+/-0.000 χ^2/NDF: 209250518780.5/27

Left Out: -2.881+/-0.000 χ^2/NDF:10553050715.1/24

Right Out: -1.225+/-0.000 χ^2/NDF: 238773897316.4/32

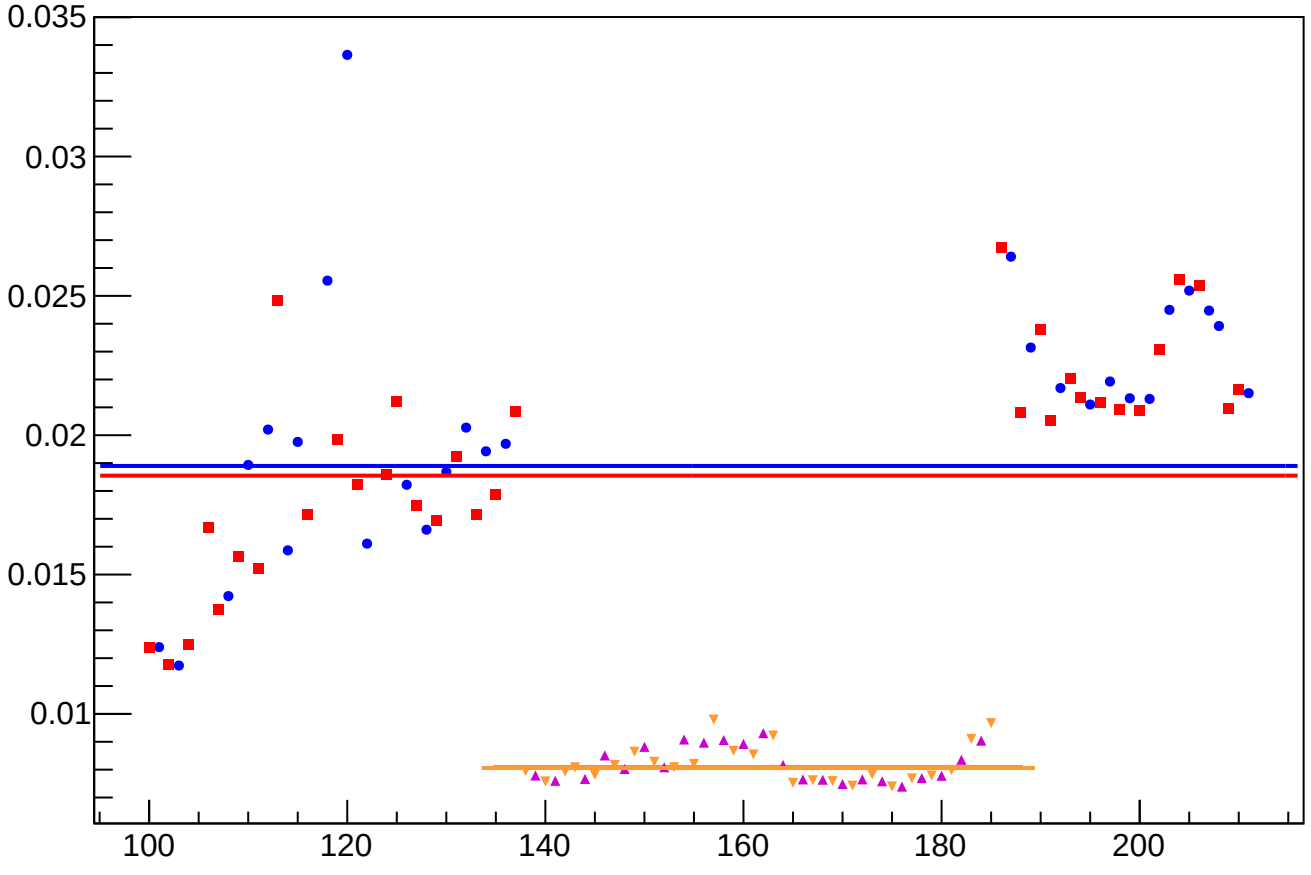
Left In: -2.882+/-0.000 χ^2/NDF:8300047325.0/22

+ sign -2.718+/-0.000 χ^2/NDF: 280372504818.4/52

All: -2.678+/-0.000 χ^2/NDF: 637781377892.7

- sign -2.636+/-0.000 χ^2/NDF: 356326537563.1/55

yield_bpm0l04X_rms vs Slug



Right In: 0.019+/-0.000 χ^2/NDF: 1664143.5/27

Left Out: 0.008+/-0.000 χ^2/NDF:185446.1/24

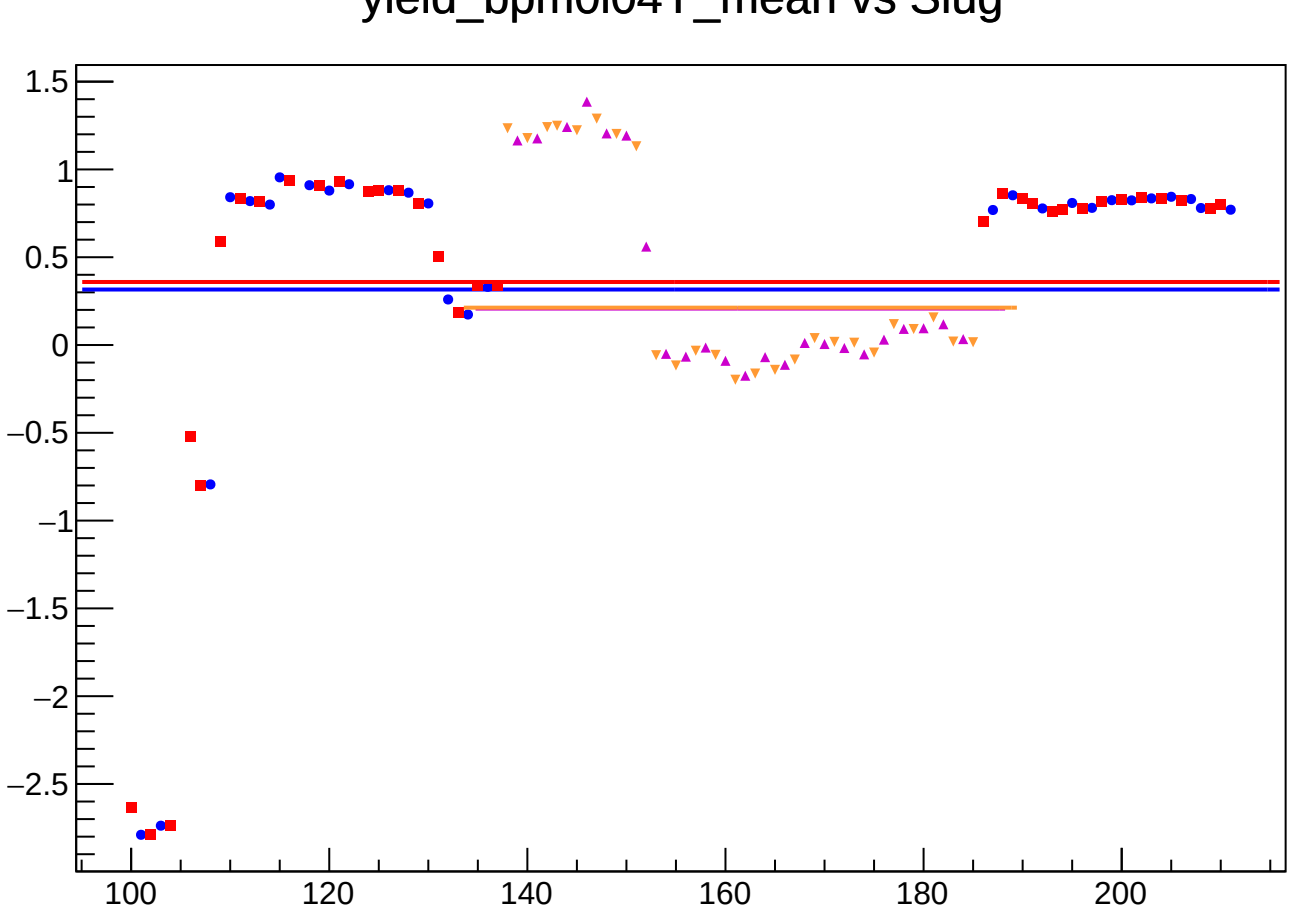
Right Out: 0.019+/-0.000 χ^2/NDF: 1562398.9/32

Left In: 0.008+/-0.000 χ^2/NDF:181843.4/22

+ sign 0.009+/-0.000 χ^2/NDF: 10146277.3/52

All: 0.010+/-0.000 χ^2/NDF: 20634006.1/108

- sign 0.010+/-0.000 χ^2/NDF: 10470996.4/55



Right In: 0.316+/-0.000 χ^2/NDF: 967605704534.6/27

Left Out: 0.213+/-0.000 χ^2/NDF:102819241186.2/24

Right Out: 0.359+/-0.000 χ^2/NDF: 1057229029941.0/32

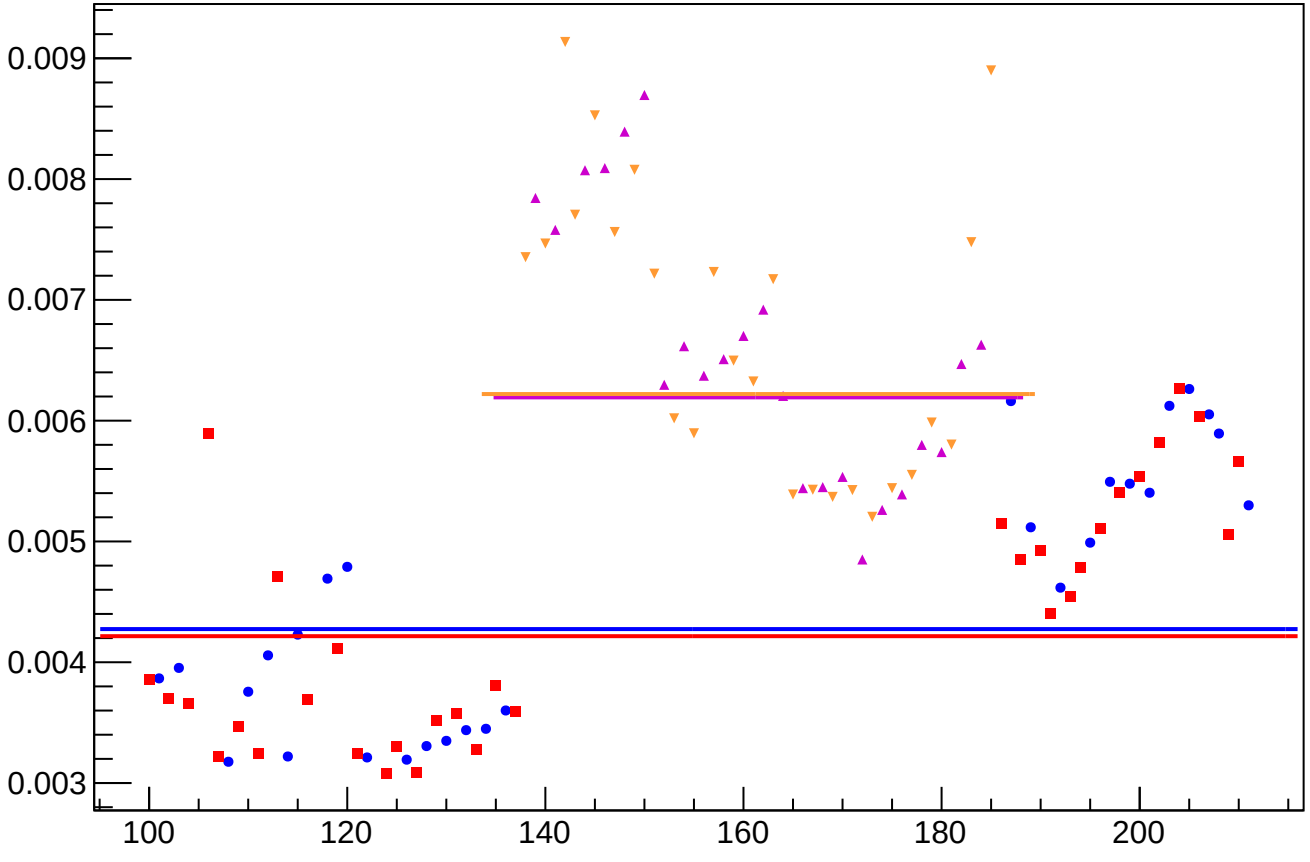
Left In: 0.207+/-0.000 χ^2/NDF:87109076861.7/22

+ sign 0.281+/-0.000 χ^2/NDF: 1073442548177.5/52

All: 0.297+/-0.000 χ^2/NDF: 2225003697600.

- sign 0.312+/-0.000 χ^2/NDF: 1150907729207.5/55

yield_bpm0l04Y_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF: 1652401.6/27

Left Out: 0.006+/-0.000 χ^2/NDF:813678.9/24

Right Out: 0.004+/-0.000 χ^2/NDF: 1691431.4/32

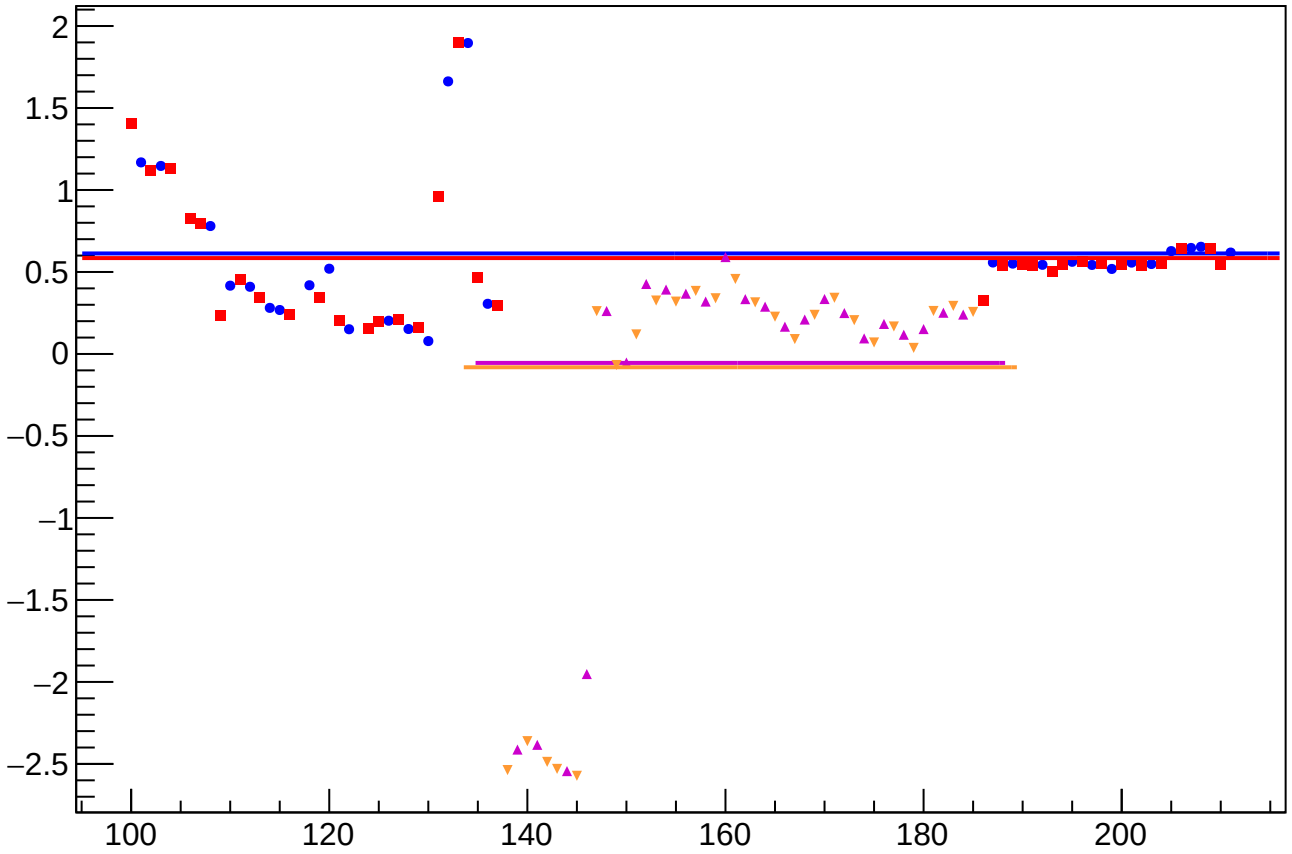
Left In: 0.006+/-0.000 χ^2/NDF:816234.4/22

+ sign 0.005+/-0.000 χ^2/NDF: 4606734.4/52

All: 0.005+/-0.000 χ^2/NDF: 9368198.1/108

- sign 0.005+/-0.000 χ^2/NDF: 4743383.6/55

yield_bpm0l05X_mean vs Slug



Right In: 0.613+/-0.000 χ^2/NDF: 43951448399.1/27

Left Out: -0.081+/-0.000 χ^2/NDF:388332231902.9/24

Right Out: 0.585+/-0.000 χ^2/NDF: 44426326620.2/32

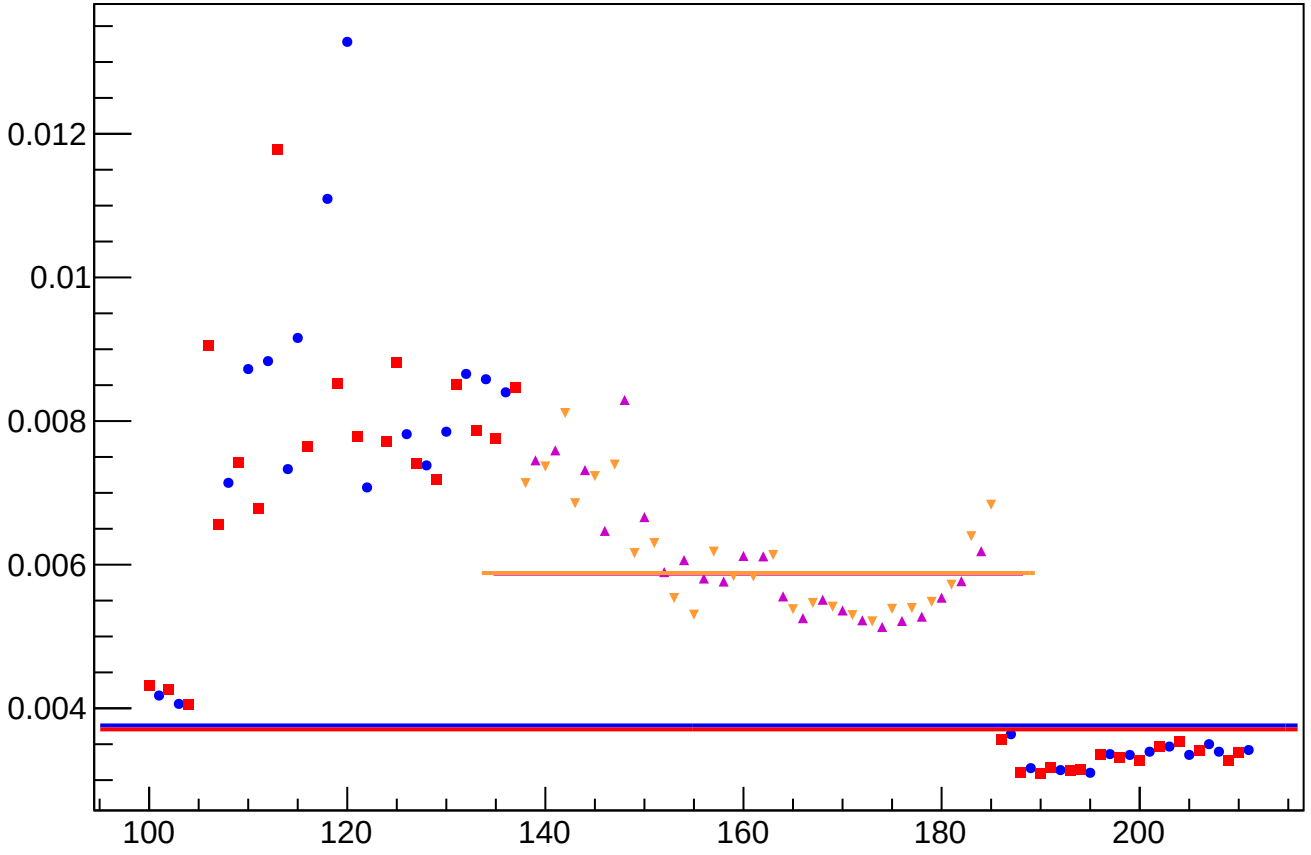
Left In: -0.055+/-0.000 χ^2/NDF:347072248163.0/22

+ sign 0.373+/-0.000 χ^2/NDF: 592137385510.2/52

All: 0.382+/-0.000 χ^2/NDF: 1121653295812.

- sign 0.390+/-0.000 χ^2/NDF: 529302636875.3/55

yield_bpm0l05X_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF: 3484283.8/27

Left Out: 0.006+/-0.000 χ^2/NDF:457789.1/24

Right Out: 0.004+/-0.000 χ^2/NDF: 3479083.1/32

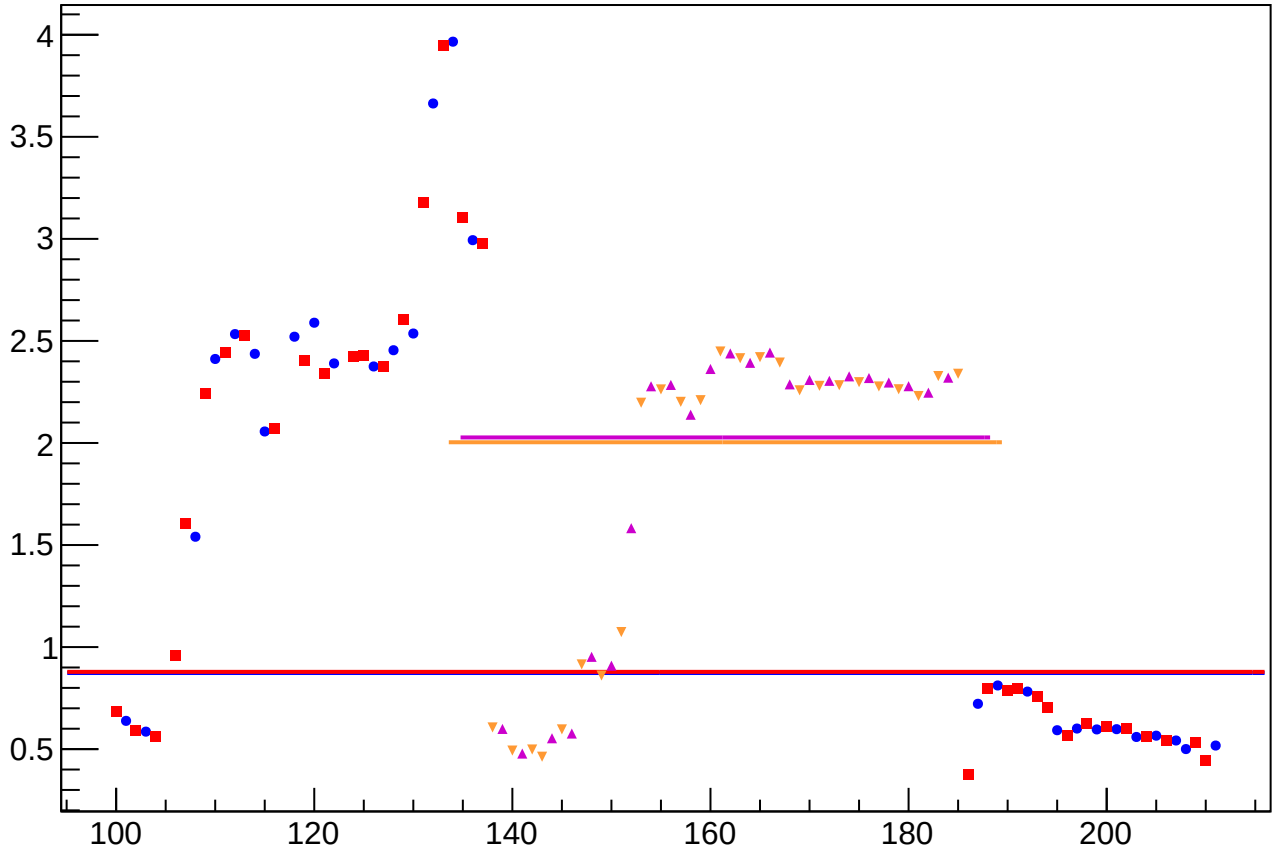
Left In: 0.006+/-0.000 χ^2/NDF:521878.3/22

+ sign 0.004+/-0.000 χ^2/NDF: 6930974.7/52

All: 0.004+/-0.000 χ^2/NDF: 14127577.6/108

- sign 0.004+/-0.000 χ^2/NDF: 7171874.5/55

yield_bpm0l05Y_mean vs Slug



Right In: 0.873+/-0.000 χ^2/NDF: 245430496887.1/27

Left Out: 2.004+/-0.000 χ^2/NDF:219172813454.7/24

Right Out: 0.879+/-0.000 χ^2/NDF: 277818290719.1/32

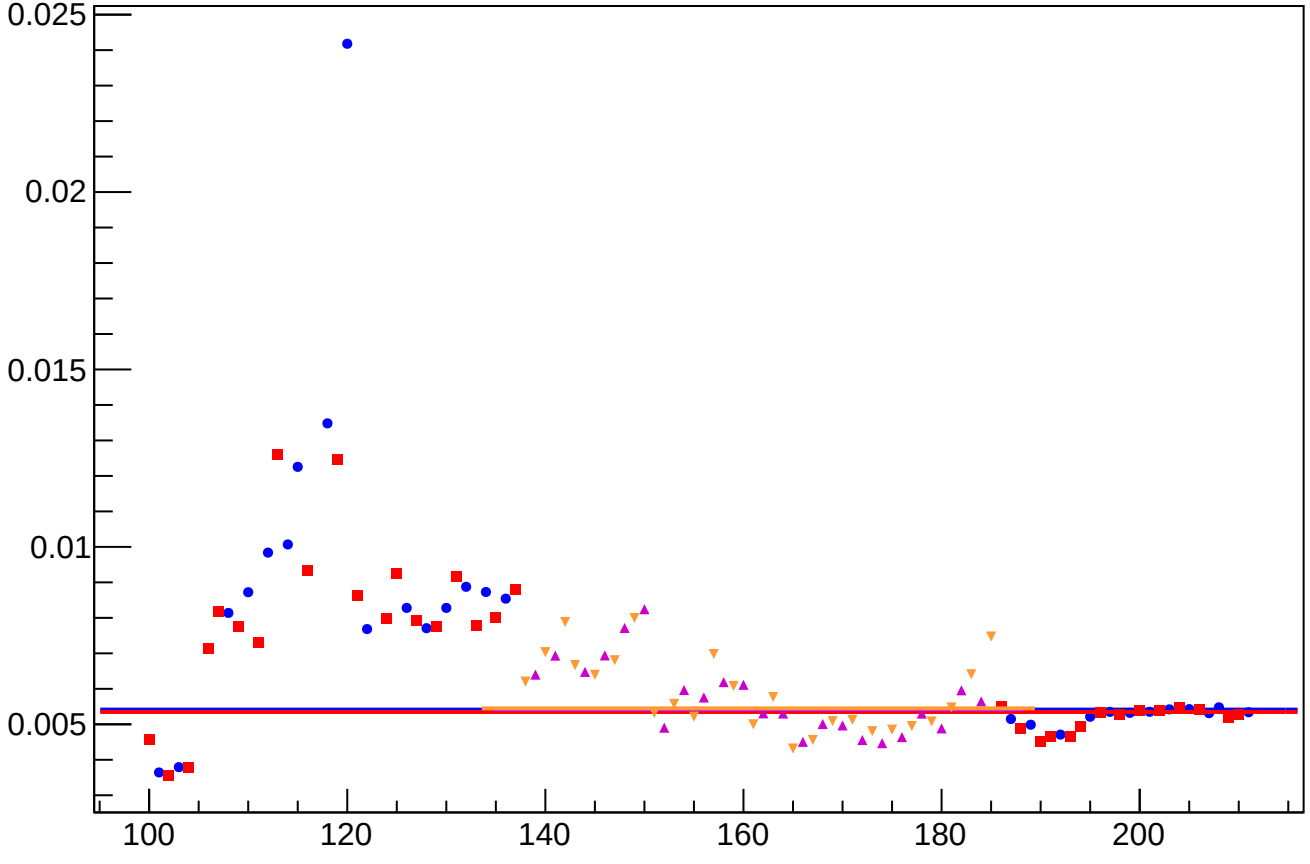
Left In: 2.027+/-0.000 χ^2/NDF:194461333084.6/22

+ sign 1.478+/-0.000 χ^2/NDF: 792388151716.7/52

All: 1.460+/-0.000 χ^2/NDF: 1621574774840.

- sign 1.443+/-0.000 χ^2/NDF: 828560626622.0/55

yield_bpm0l05Y_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF: 2308411.9/27

Left Out: 0.005+/-0.000 χ^2/NDF:771417.6/24

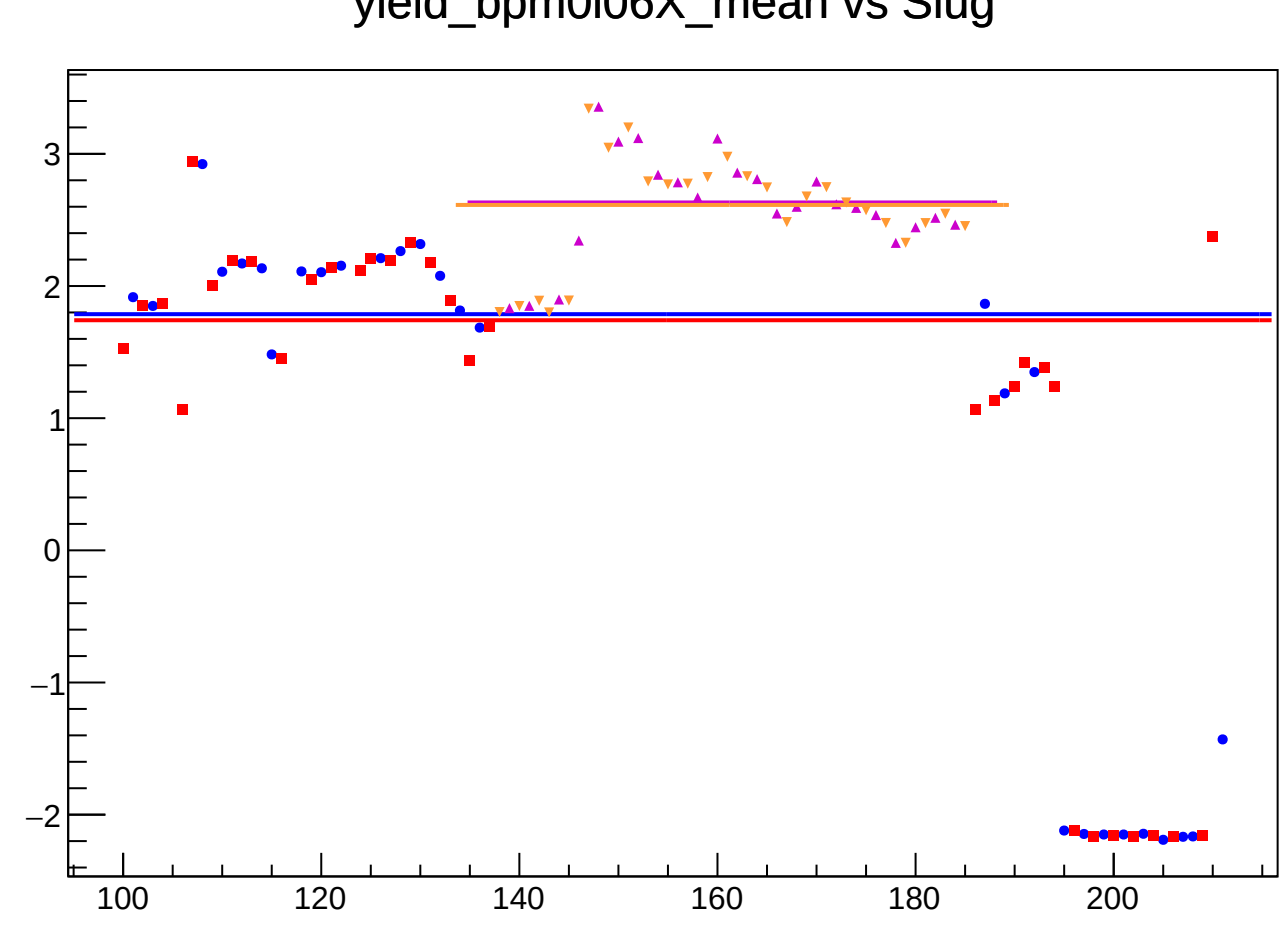
Right Out: 0.005+/-0.000 χ^2/NDF: 2127455.1/32

Left In: 0.005+/-0.000 χ^2/NDF:815136.5/22

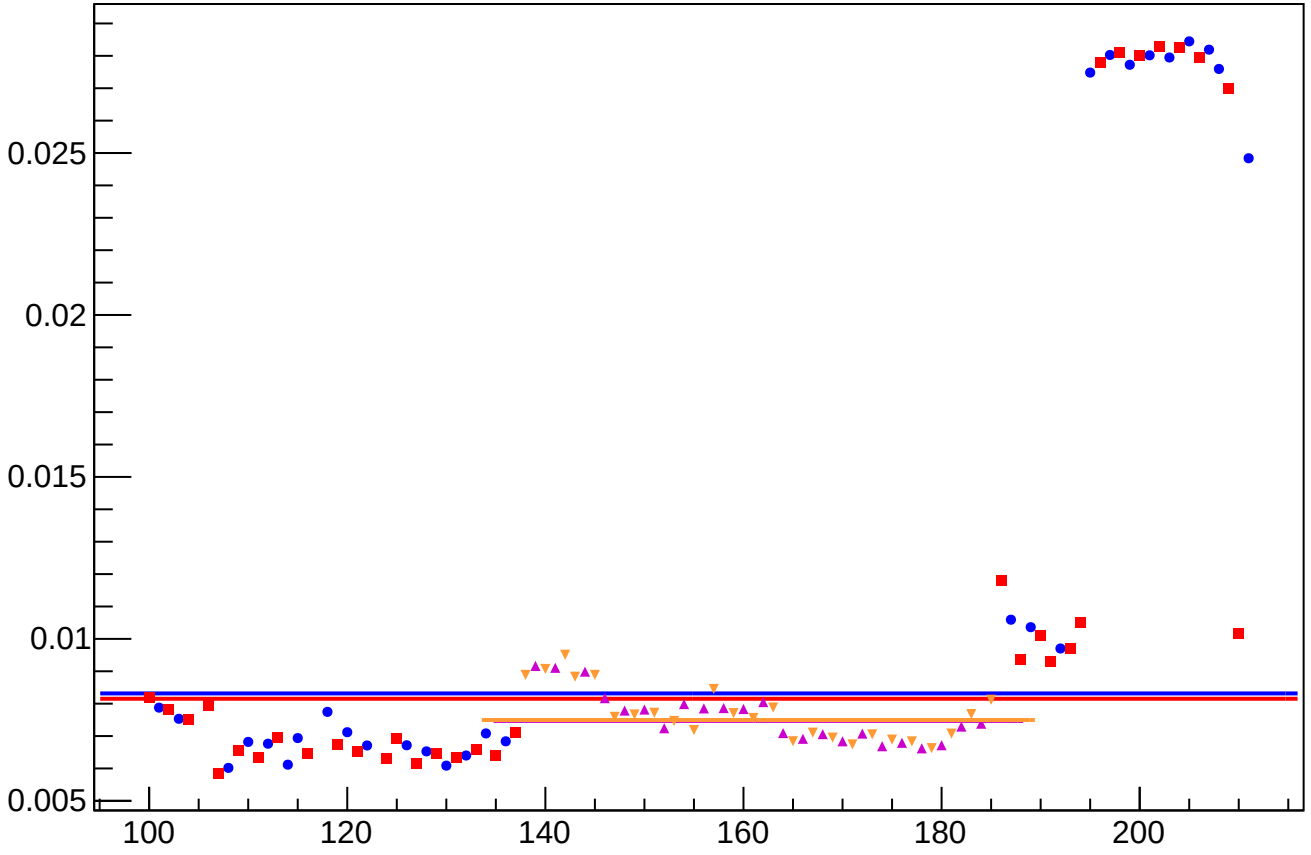
+ sign 0.005+/-0.000 χ^2/NDF: 3080457.9/52

All: 0.005+/-0.000 χ^2/NDF: 6028198.3/108

- sign 0.005+/-0.000 χ^2/NDF: 2944343.4/55


yield_bpm0l06X_mean vs Slug
3
2
1
0
−1
−2
100
120
140
160
180
200
Right In: 1.787+/-0.000 χ²/NDF: 181939946604.3/27
Left Out: 2.614+/-0.000 χ²/NDF:46402554271.4/24
Right Out: 1.741+/-0.000 χ²/NDF: 163541585127.2/32
Left In: 2.632+/-0.000 χ²/NDF:40551967819.7/22
+ sign 2.325+/-0.000 χ²/NDF: 305411837549.2/52
All: 2.298+/-0.000 χ²/NDF: 609446263522.1
- sign 2.273+/-0.000 χ²/NDF: 303358033205.5/55

yield_bpm0l06X_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF: 8310863.0/27

Left Out: 0.007+/-0.000 χ^2/NDF:332673.2/24

Right Out: 0.008+/-0.000 χ^2/NDF: 7246726.1/32

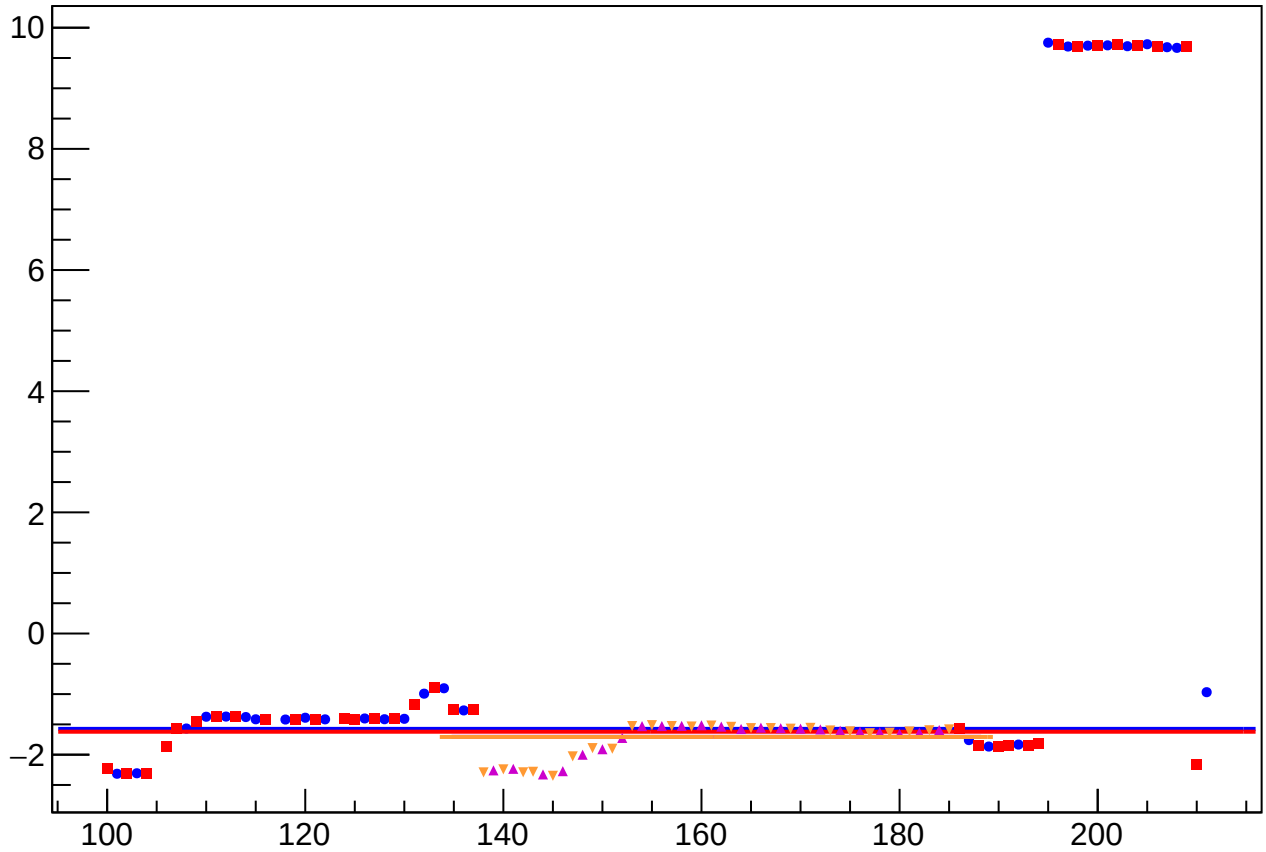
Left In: 0.007+/-0.000 χ^2/NDF:321914.4/22

+ sign 0.008+/-0.000 χ^2/NDF: 8795691.1/52

All: 0.008+/-0.000 χ^2/NDF: 16481987.1/108

- sign 0.008+/-0.000 χ^2/NDF: 7685529.1/55

yield_bpm0l06Y_mean vs Slug



Right In: -1.574+/-0.000 χ^2/NDF: 420723813086.9/27

Left Out: -1.708+/-0.000 χ^2/NDF:151845502556.2/24

Right Out: -1.621+/-0.000 χ^2/NDF: 420239951887.8/32

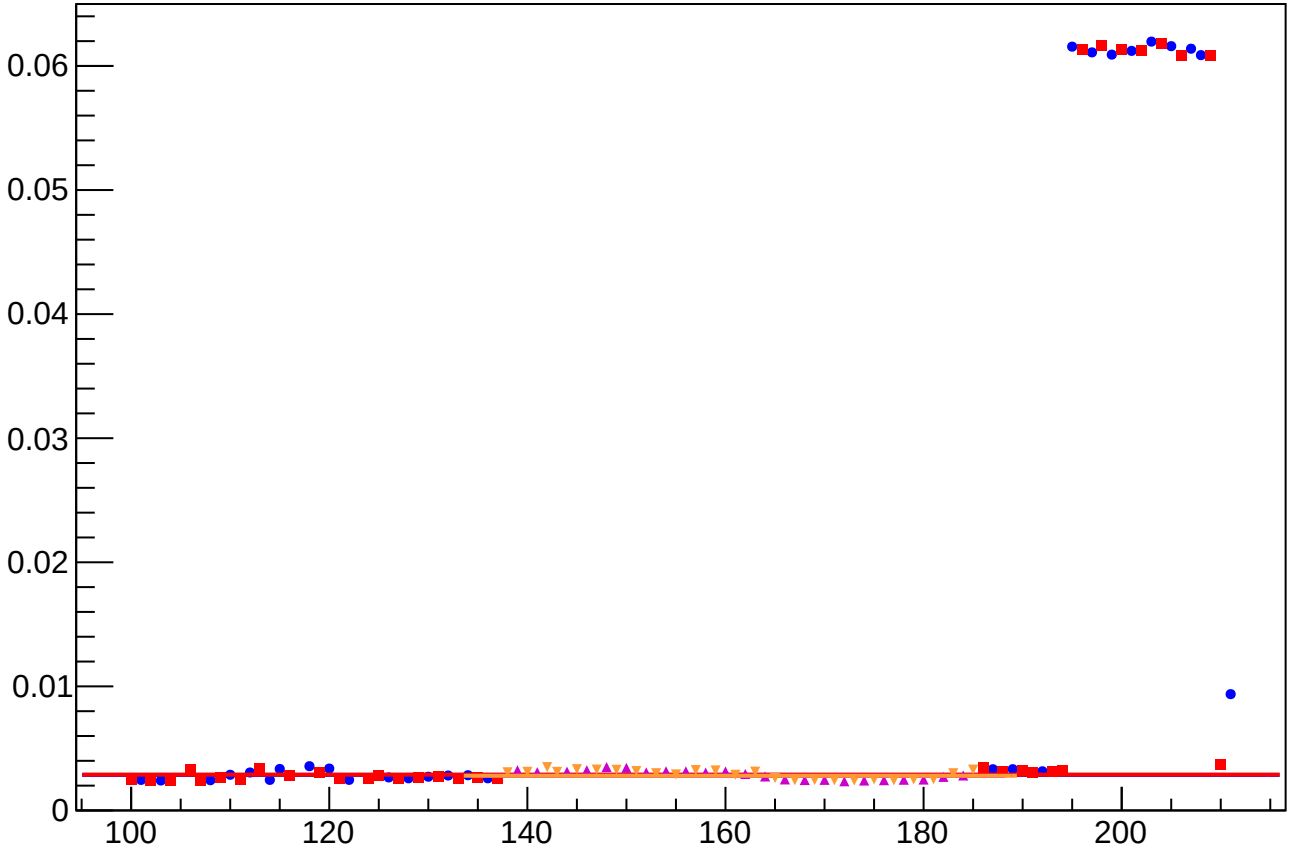
Left In: -1.705+/-0.000 χ^2/NDF:136540618081.0/22

+ sign -1.664+/-0.000 χ^2/NDF: 585795862221.3/52

All: -1.669+/-0.000 χ^2/NDF: 1148737378117

- sign -1.673+/-0.000 χ^2/NDF: 562814157779.9/55

yield_bpm0l06Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 12991155.2/27

Left Out: 0.003+/-0.000 χ^2/NDF:547758.3/24

Right Out: 0.003+/-0.000 χ^2/NDF: 11542006.2/32

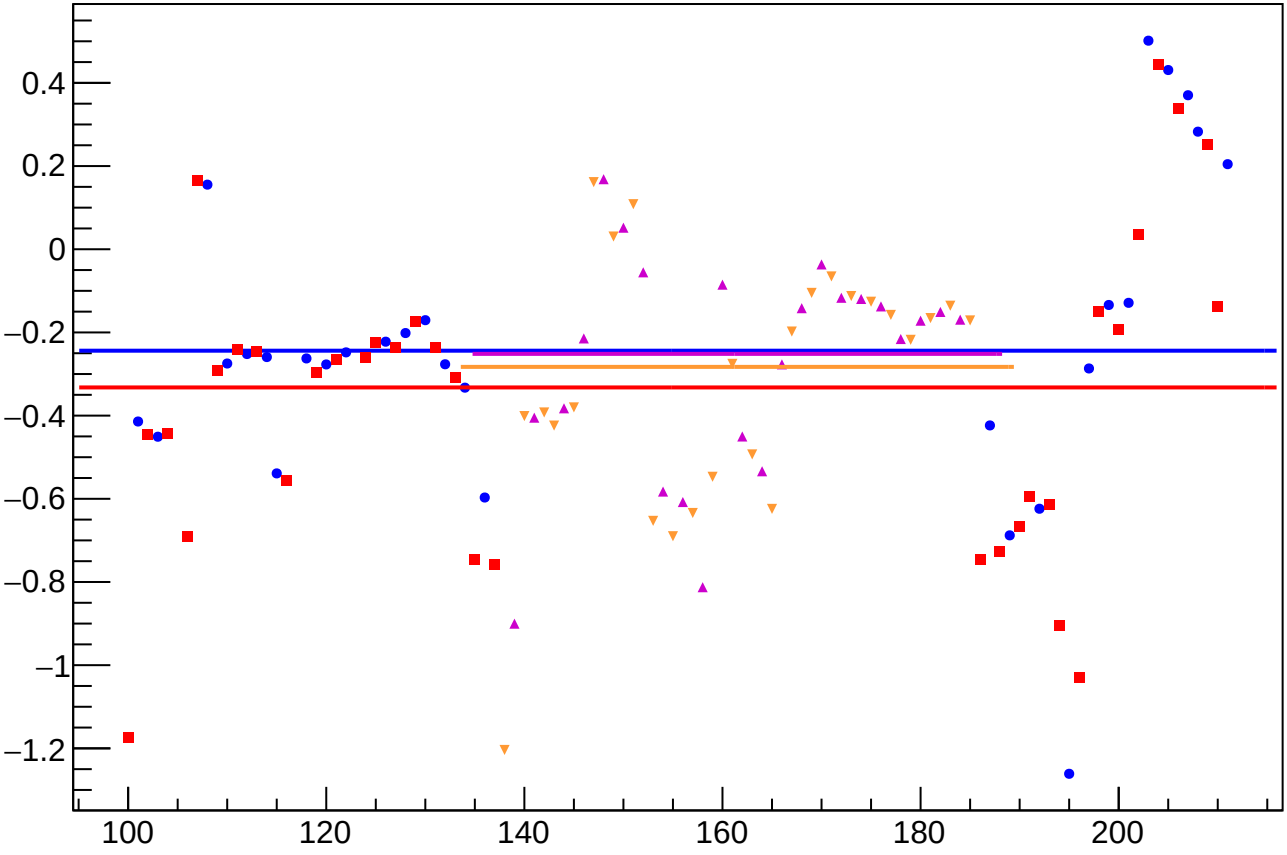
Left In: 0.003+/-0.000 χ^2/NDF:557113.5/22

+ sign 0.003+/-0.000 χ^2/NDF: 13546221.0/52

All: 0.003+/-0.000 χ^2/NDF: 25662460.7/108

- sign 0.003+/-0.000 χ^2/NDF: 12116194.3/55

yield_bpm0l07X_mean vs Slug



Right In: -0.244+/-0.000 χ^2/NDF: 9704528510.0/27

Left Out: -0.283+/-0.000 χ^2/NDF:9343511244.8/24

Right Out: -0.332+/-0.000 χ^2/NDF: 9896698602.3/32

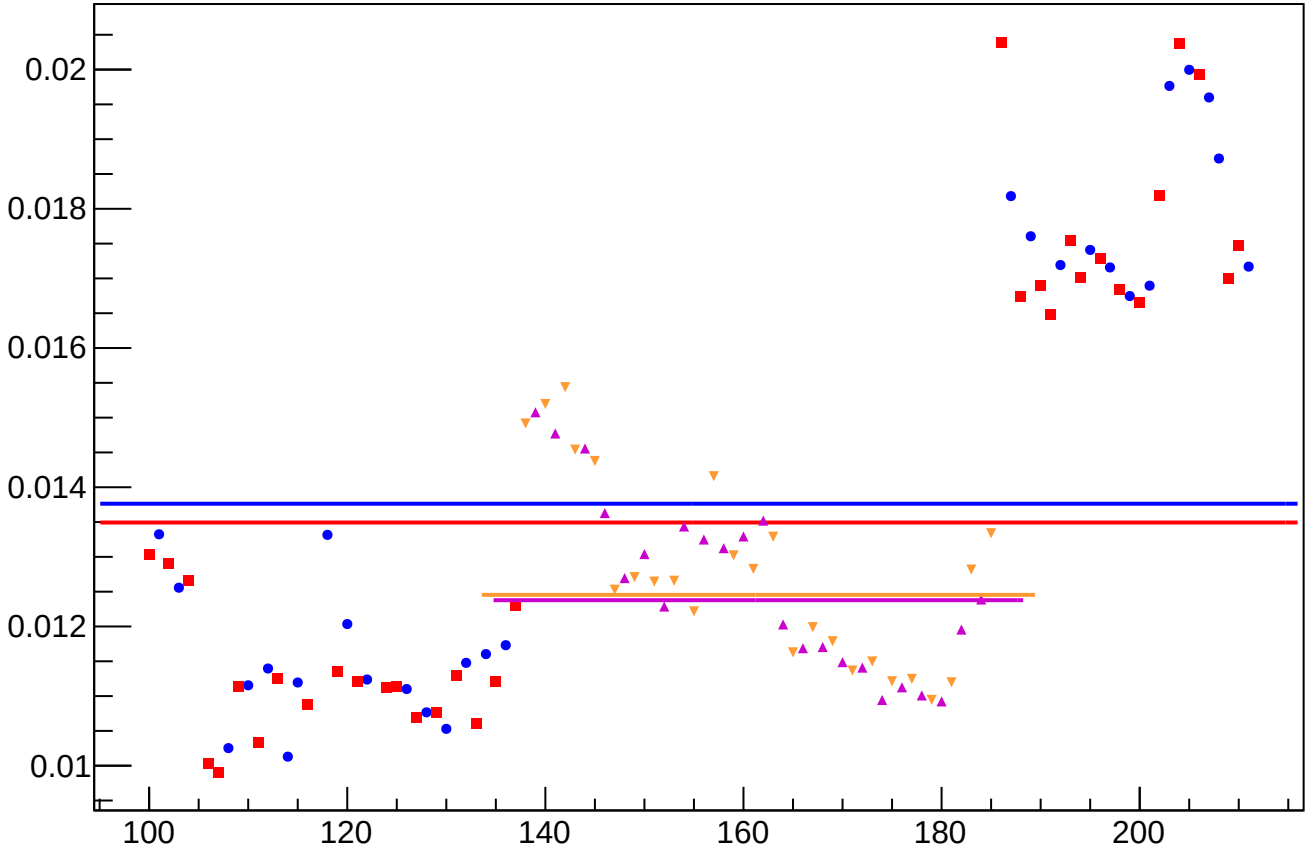
Left In: -0.252+/-0.000 χ^2/NDF:7167367678.6/22

+ sign -0.267+/-0.000 χ^2/NDF: 19120446205.7/52

All: -0.278+/-0.000 χ^2/NDF: 36556914252.6/

- sign -0.288+/-0.000 χ^2/NDF: 17393388351.8/55

yield_bpm0l07X_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF: 1648695.1/27

Left Out: 0.012+/-0.000 χ^2/NDF:341430.5/24

Right Out: 0.013+/-0.000 χ^2/NDF: 1928850.0/32

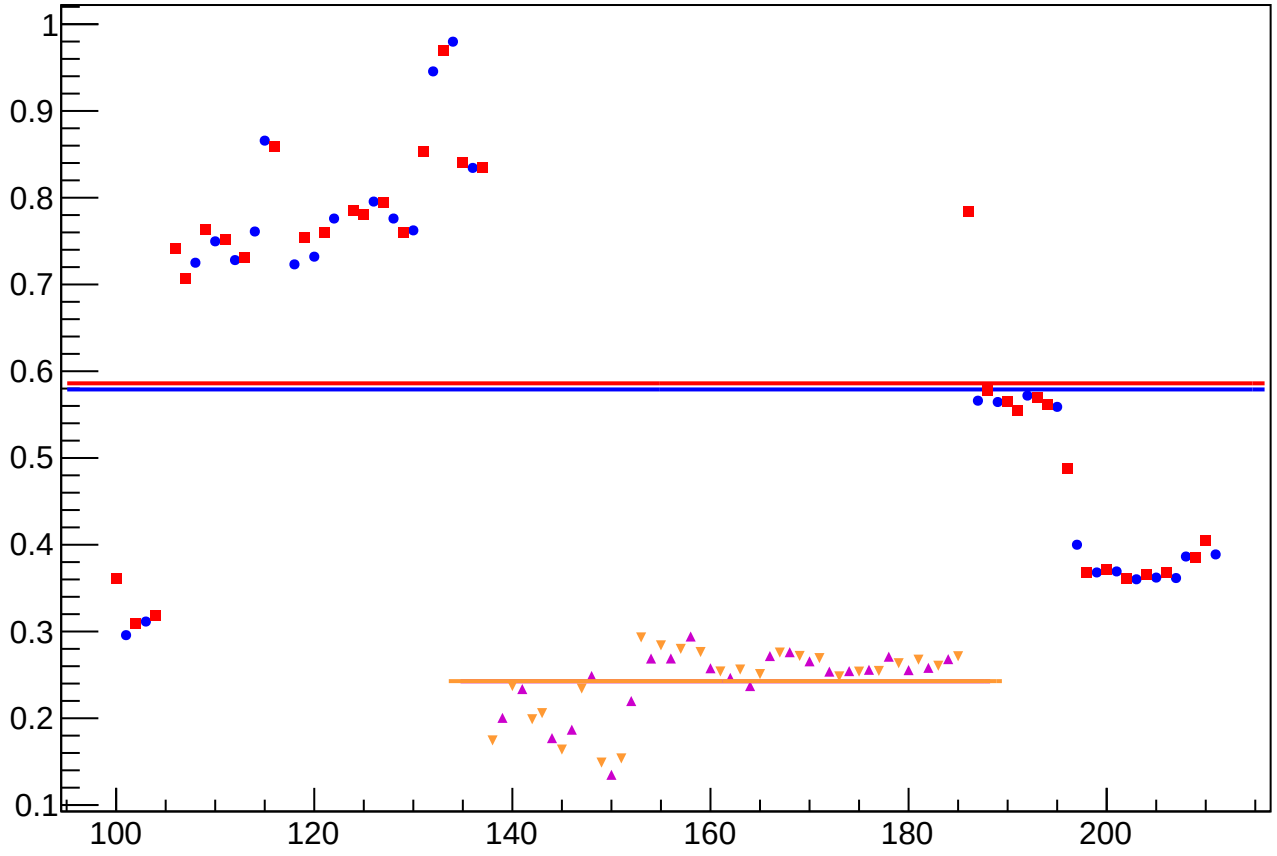
Left In: 0.012+/-0.000 χ^2/NDF:326925.9/22

+ sign 0.013+/-0.000 χ^2/NDF: 2154063.2/52

All: 0.013+/-0.000 χ^2/NDF: 4538242.1/108

- sign 0.013+/-0.000 χ^2/NDF: 2381782.0/55

yield_bpm0l07Y_mean vs Slug



Right In: 0.579+/-0.000 χ^2/NDF: 97017022890.9/27

Left Out: 0.243+/-0.000 χ^2/NDF:7290530687.7/24

Right Out: 0.586+/-0.000 χ^2/NDF: 92945905900.3/32

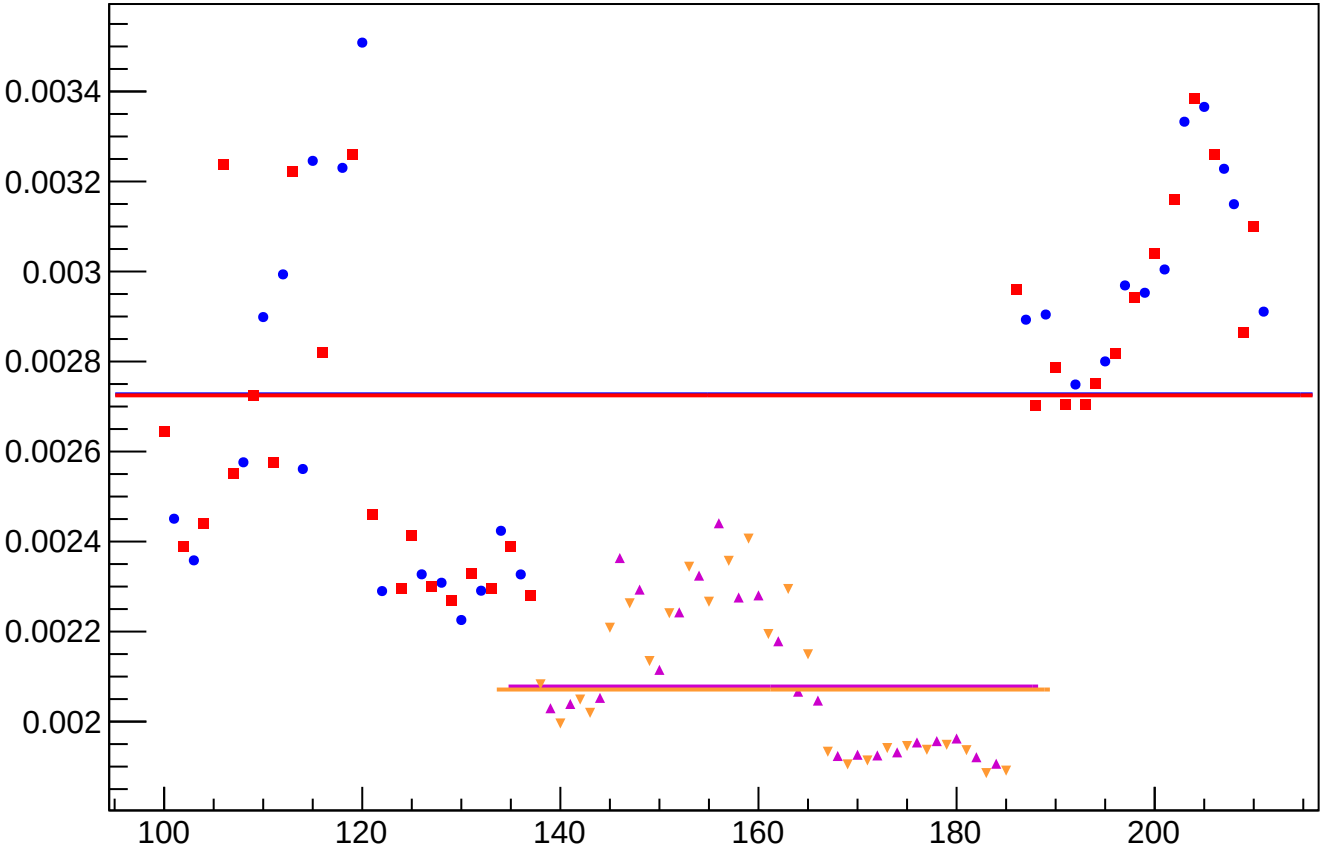
Left In: 0.243+/-0.000 χ^2/NDF:5781231269.1/22

+ sign 0.351+/-0.000 χ^2/NDF: 266816879836.3/52

All: 0.358+/-0.000 χ^2/NDF: 542543504368.9

- sign 0.365+/-0.000 χ^2/NDF: 275111078796.0/55

yield_bpm0l07Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 587829.1/27

Left Out: 0.002+/-0.000 χ^2/NDF:233799.0/24

Right Out: 0.003+/-0.000 χ^2/NDF: 501135.9/32

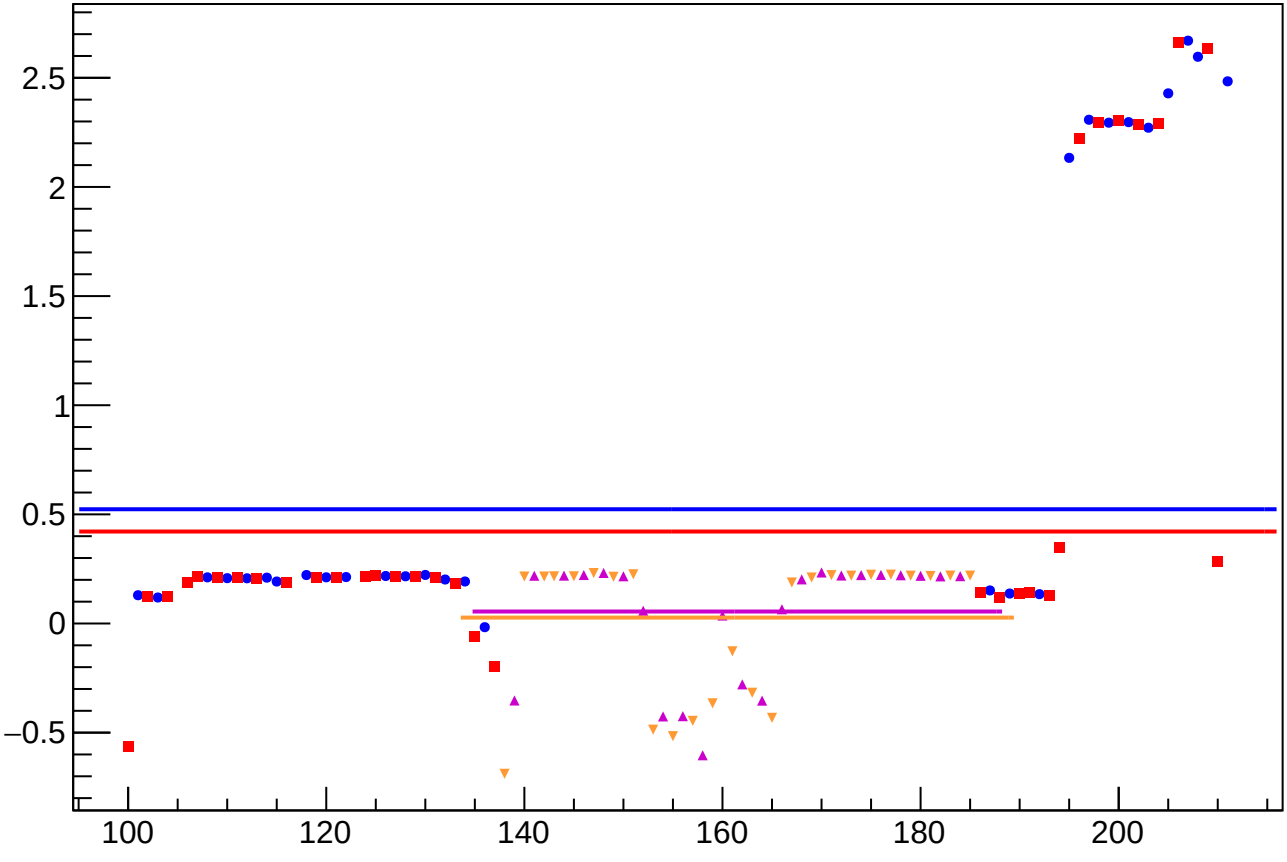
Left In: 0.002+/-0.000 χ^2/NDF:211544.0/22

+ sign 0.002+/-0.000 χ^2/NDF: 2058552.9/52

All: 0.002+/-0.000 χ^2/NDF: 4027265.8/108

- sign 0.002+/-0.000 χ^2/NDF: 1964419.6/55

yield_bpm0l08X_mean vs Slug



Right In: 0.523+/-0.000 χ^2/NDF: 60934650287.0/27

Left Out: 0.027+/-0.000 χ^2/NDF:12975171876.0/24

Right Out: 0.421+/-0.000 χ^2/NDF: 54220950324.7/32

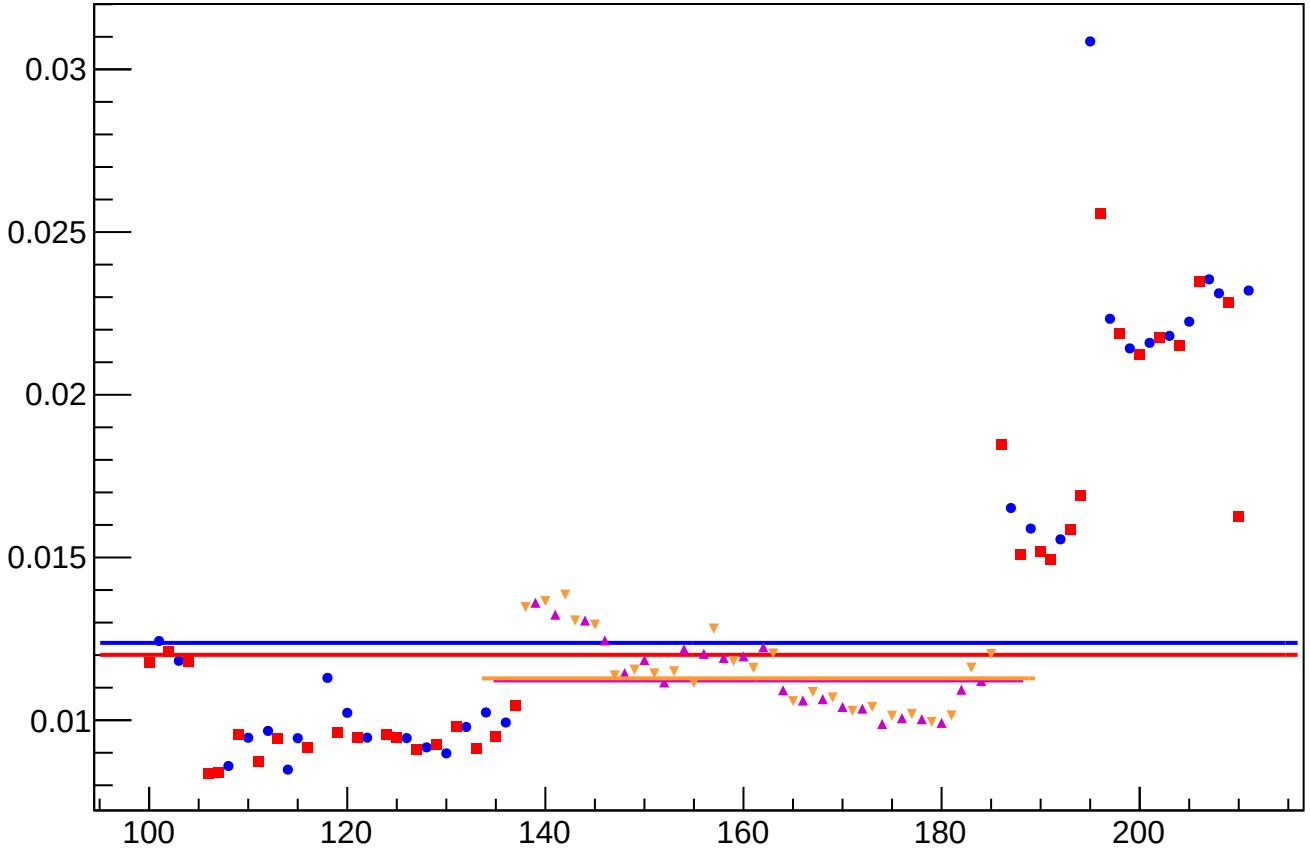
Left In: 0.055+/-0.000 χ^2/NDF:9704180322.0/22

+ sign 0.220+/-0.000 χ^2/NDF: 87663108356.0/52

All: 0.218+/-0.000 χ^2/NDF: 159705778556.2

- sign 0.216+/-0.000 χ^2/NDF: 72040521872.3/55

yield_bpm0l08X_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF: 4517557.4/27

Left Out: 0.011+/-0.000 χ^2/NDF:328248.0/24

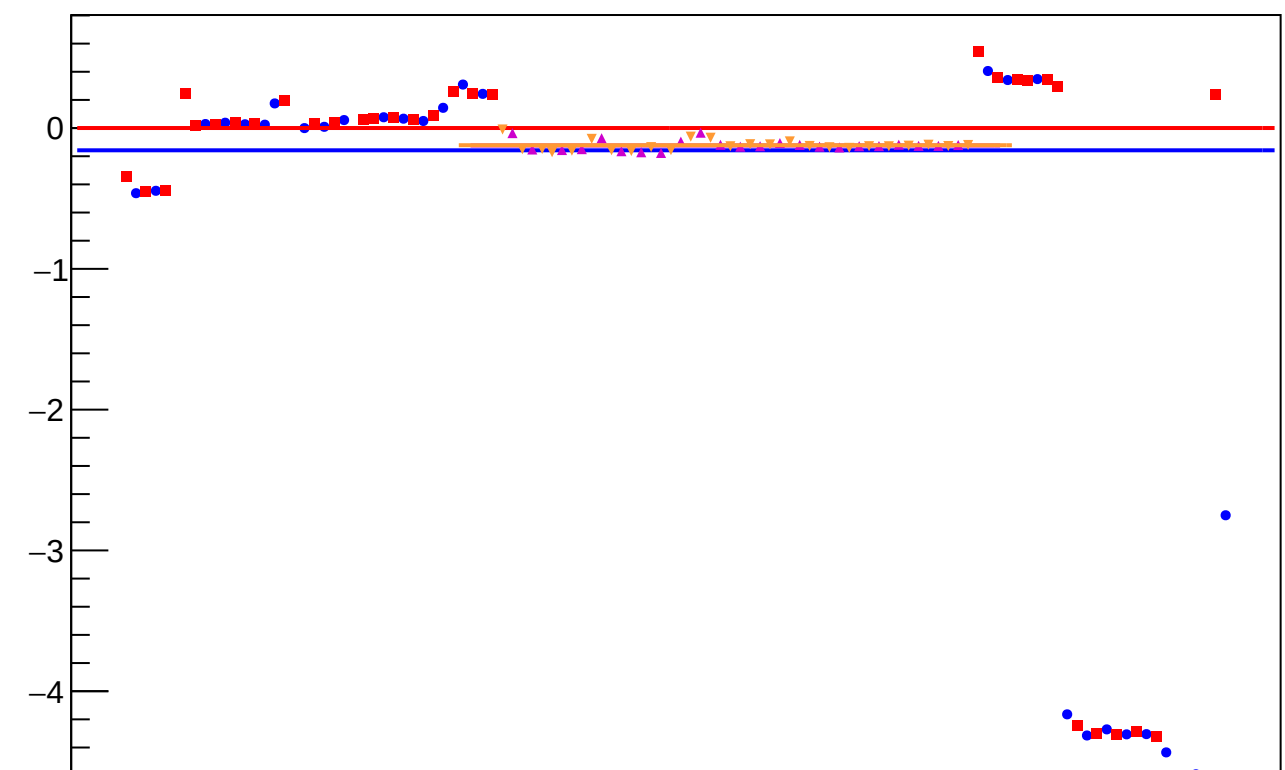
Right Out: 0.012+/-0.000 χ^2/NDF: 4316036.5/32

Left In: 0.011+/-0.000 χ^2/NDF:315246.6/22

+ sign 0.012+/-0.000 χ^2/NDF: 4978369.6/52

All: 0.012+/-0.000 χ^2/NDF: 9689205.6/108

- sign 0.012+/-0.000 χ^2/NDF: 4705971.6/55



Right In: -0.158+/-0.000 χ^2/NDF: 411885366491.0/27

Left Out: -0.122+/-0.000 χ^2/NDF:2922583819.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 392828507947.8/32

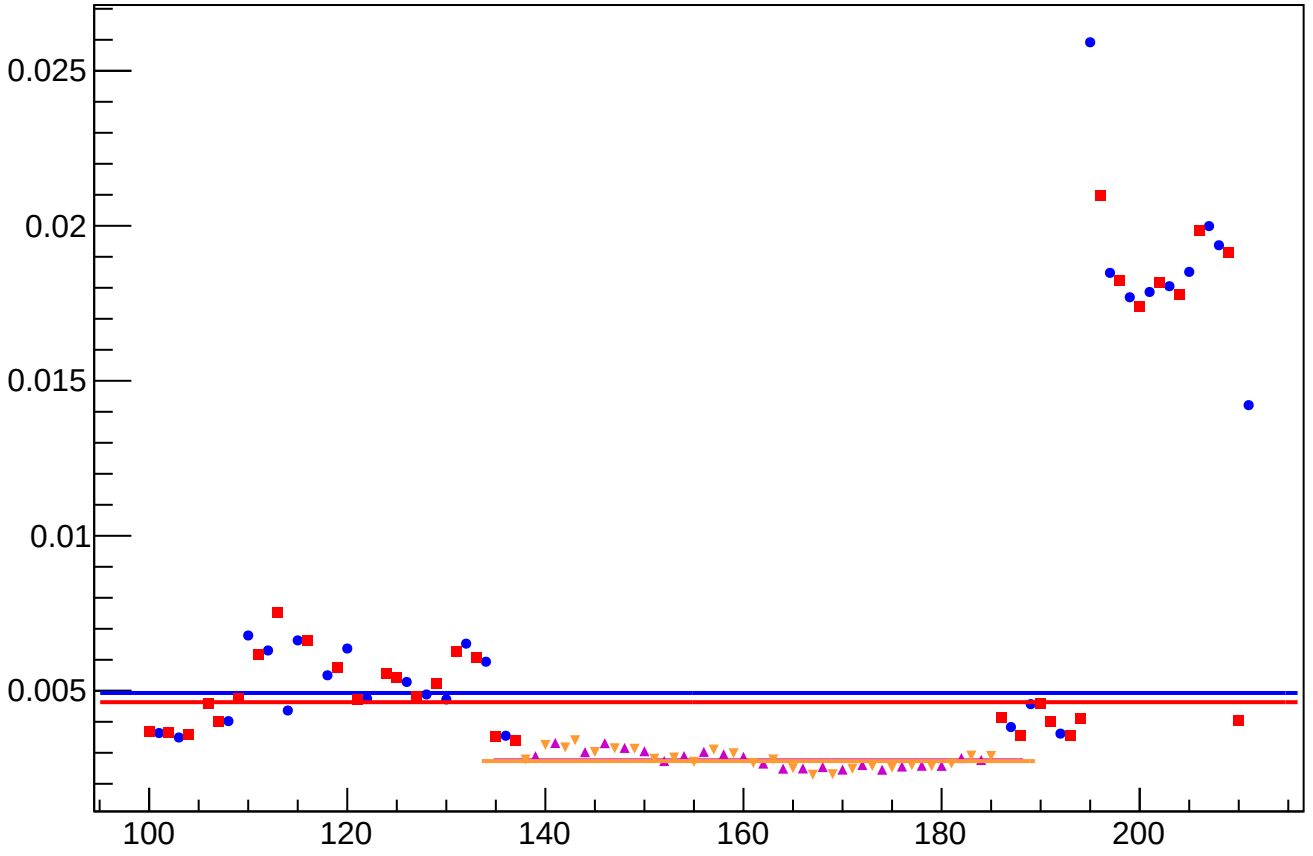
Left In: -0.124+/-0.000 χ^2/NDF:2809457047.2/22

+ sign -0.127+/-0.000 χ^2/NDF: 415303134015.6/52

All: -0.113+/-0.000 χ^2/NDF: 819511194883.0

- sign -0.098+/-0.000 χ^2/NDF: 402952371429.9/55

yield_bpm0l08Y_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF: 9278033.1/27

Left Out: 0.003+/-0.000 χ^2/NDF:391885.5/24

Right Out: 0.005+/-0.000 χ^2/NDF: 8006125.6/32

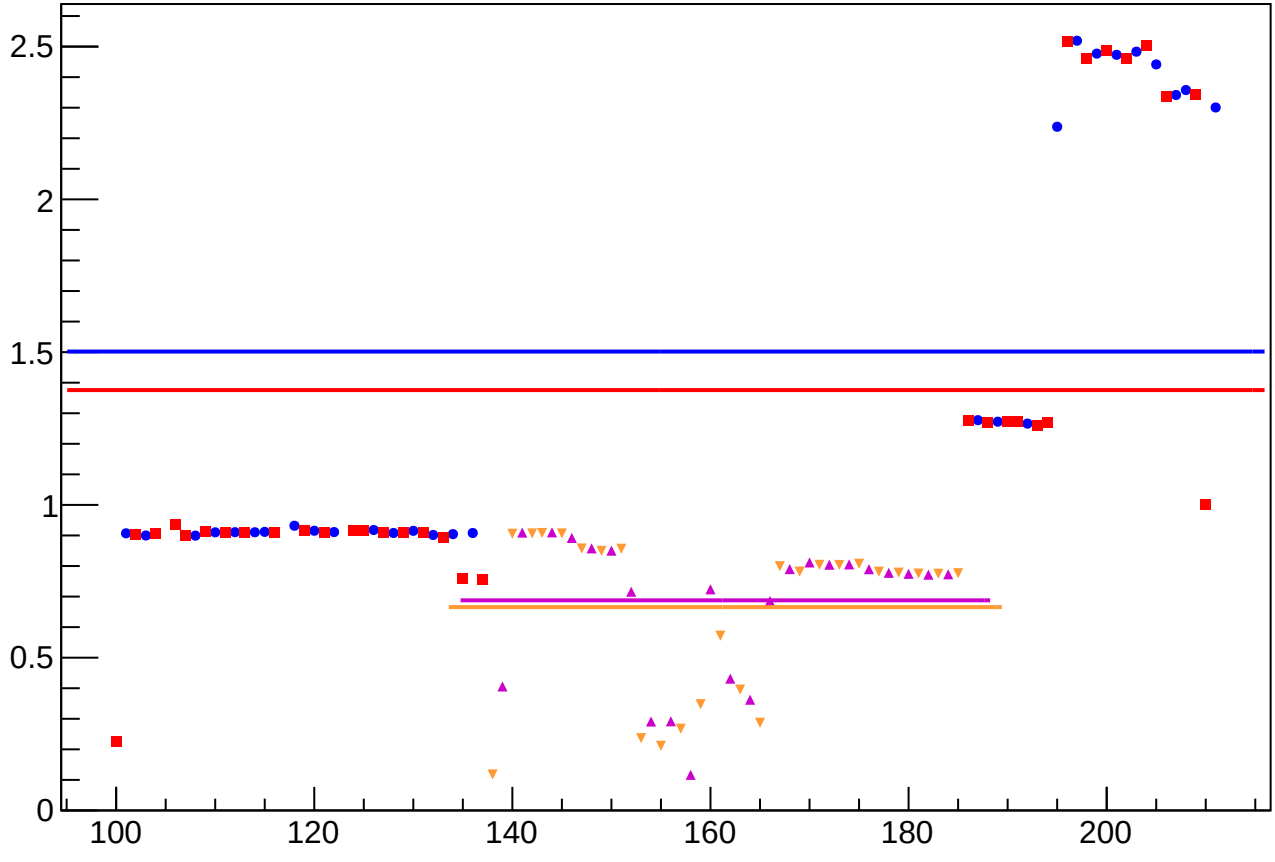
Left In: 0.003+/-0.000 χ^2/NDF:293113.7/22

+ sign 0.003+/-0.000 χ^2/NDF: 13328085.0/52

All: 0.003+/-0.000 χ^2/NDF: 24992309.7/108

- sign 0.003+/-0.000 χ^2/NDF: 11648012.6/55

yield_bpm0l09X_mean vs Slug



Right In: 1.502+/-0.000 χ^2/NDF: 52675403789.6/27

Left Out: 0.666+/-0.000 χ^2/NDF:9213839939.9/24

Right Out: 1.376+/-0.000 χ^2/NDF: 51895209706.1/32

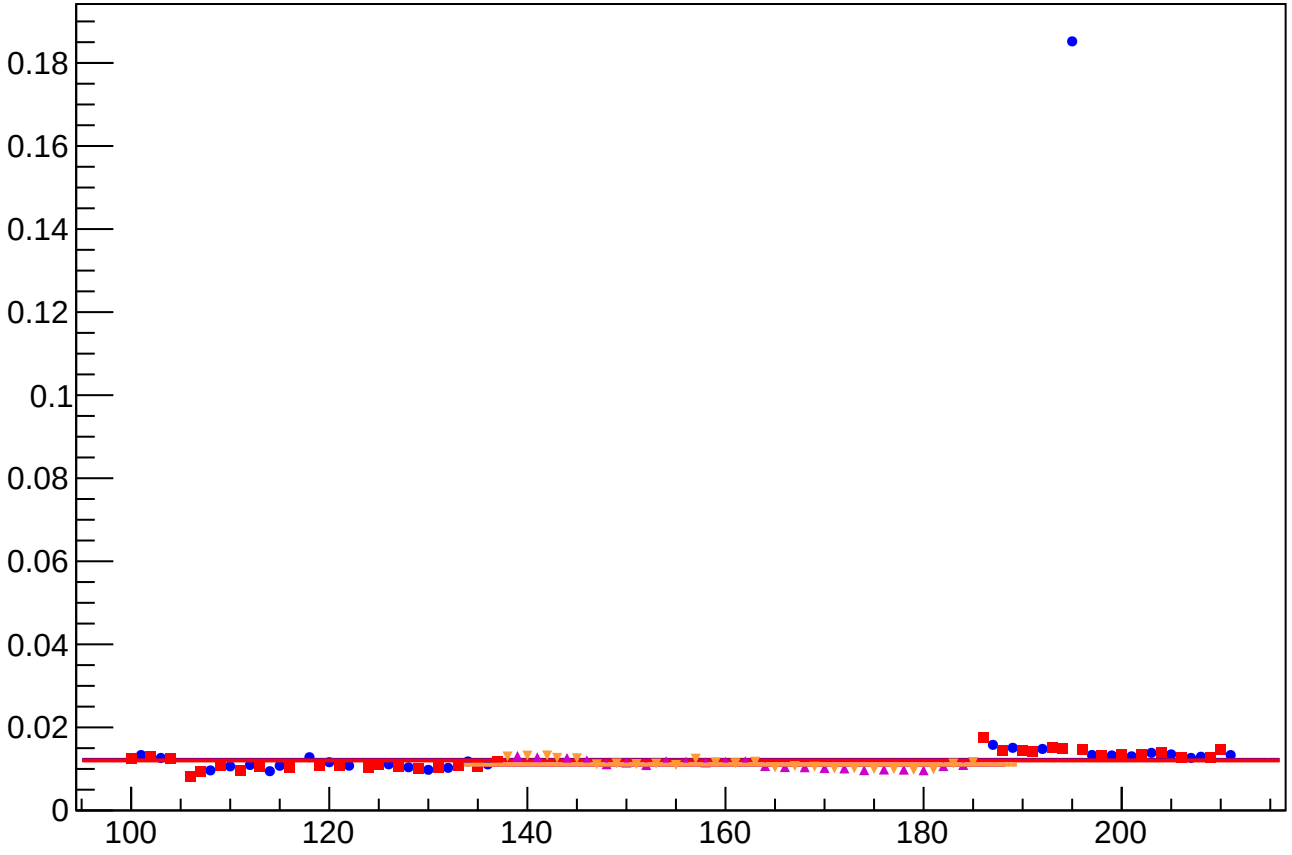
Left In: 0.688+/-0.000 χ^2/NDF:6999062215.3/22

+ sign 1.002+/-0.000 χ^2/NDF: 104487281215.9/52

All: 0.997+/-0.000 χ^2/NDF: 193748293631.7

- sign 0.992+/-0.000 χ^2/NDF: 89247363484.8/55

yield_bpm0l09X_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF: 2018977.8/27

Left Out: 0.011+/-0.000 χ^2/NDF:299445.0/24

Right Out: 0.012+/-0.000 χ^2/NDF: 842946.3/32

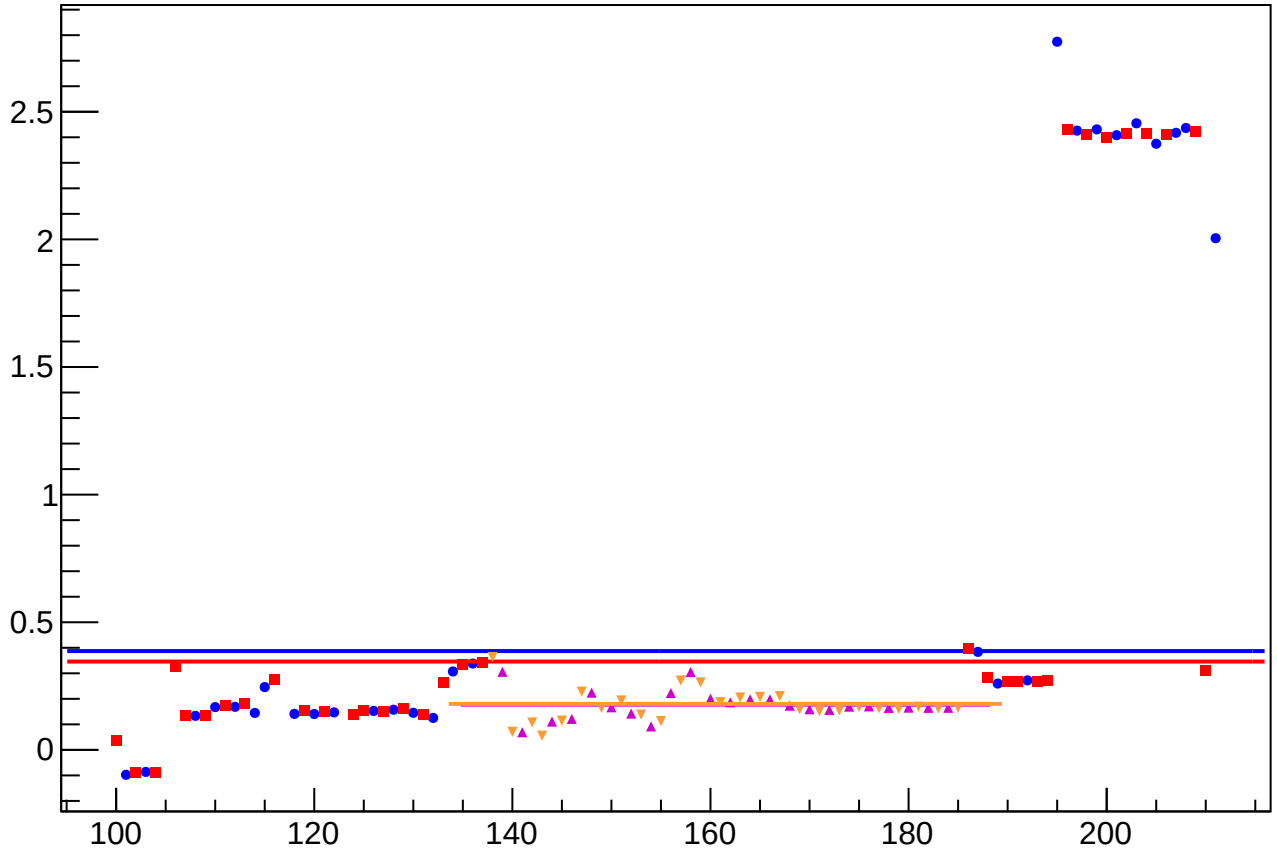
Left In: 0.011+/-0.000 χ^2/NDF:287650.0/22

+ sign 0.011+/-0.000 χ^2/NDF: 2480353.5/52

All: 0.011+/-0.000 χ^2/NDF: 3761956.5/108

- sign 0.011+/-0.000 χ^2/NDF: 1280980.6/55

yield_bpm0l09Y_mean vs Slug



Right In: 0.387+/-0.000 χ^2/NDF: 190915327402.4/27

Left Out: 0.180+/-0.000 χ^2/NDF:6448853953.3/24

Right Out: 0.346+/-0.000 χ^2/NDF: 163384257453.3/32

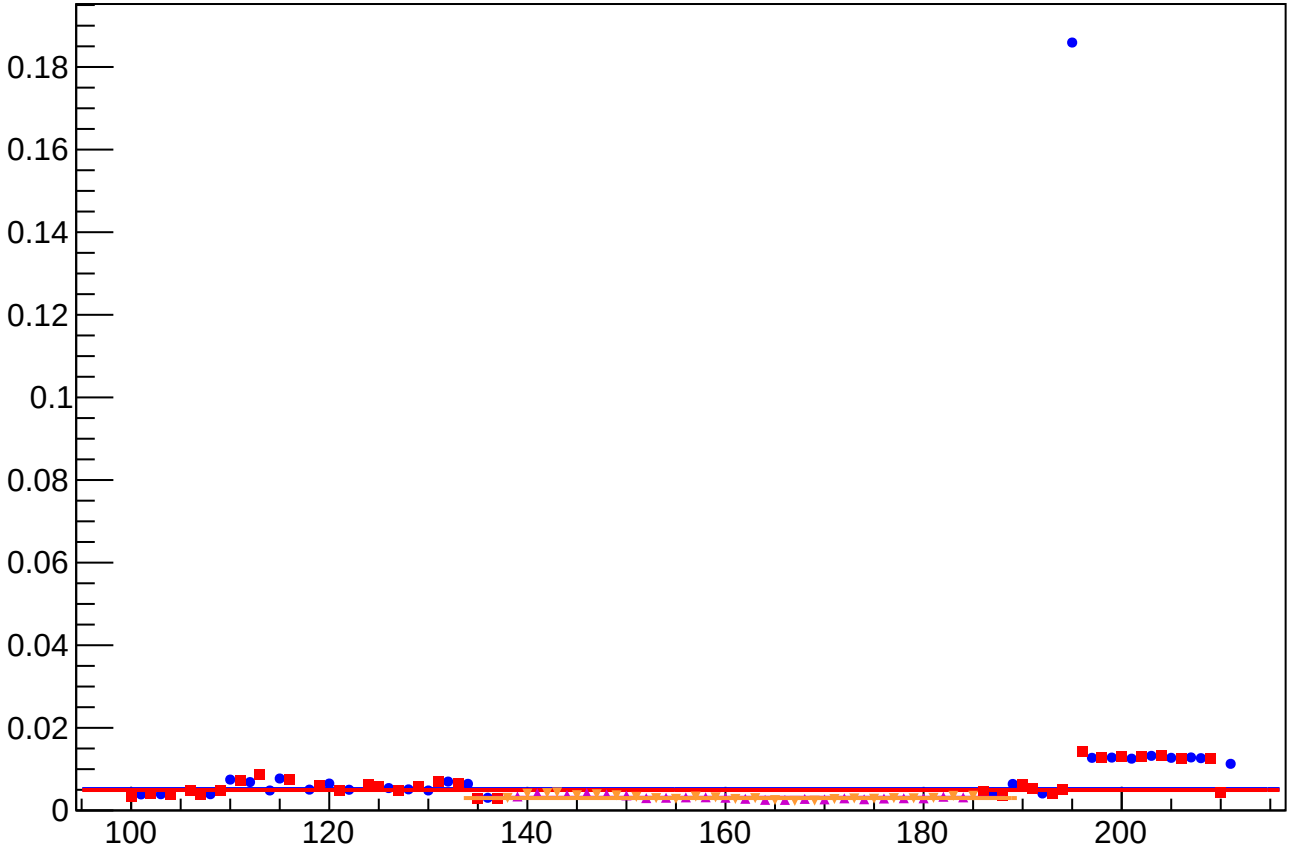
Left In: 0.177+/-0.000 χ^2/NDF:4620854117.7/22

+ sign 0.217+/-0.000 χ^2/NDF: 212288866846.8/52

All: 0.217+/-0.000 χ^2/NDF: 391985039570.7

- sign 0.216+/-0.000 χ^2/NDF: 179695700990.5/55

yield_bpm0l09Y_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF: 7761141.8/27

Left Out: 0.003+/-0.000 χ^2/NDF:888350.2/24

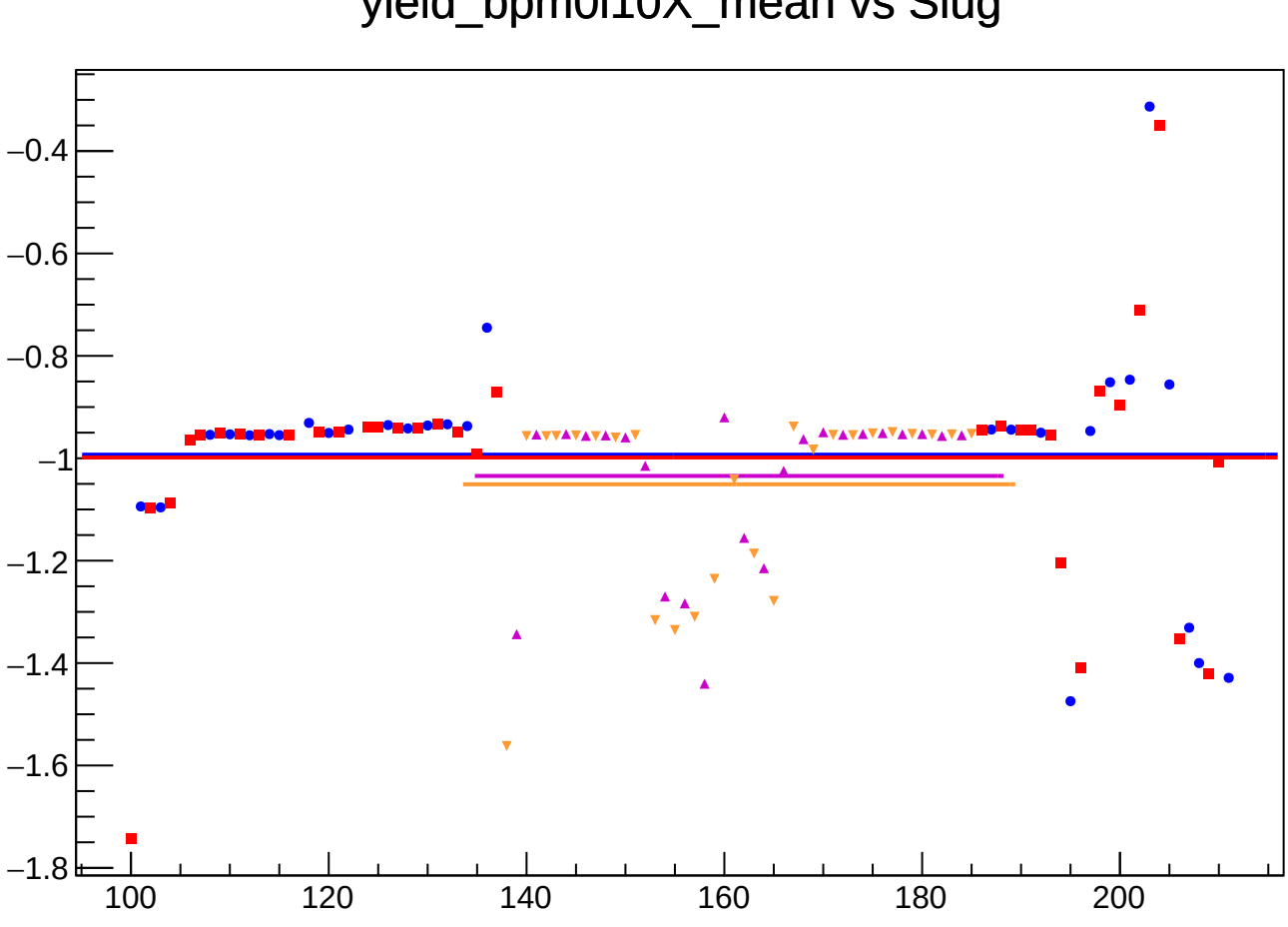
Right Out: 0.005+/-0.000 χ^2/NDF: 5914399.4/32

Left In: 0.003+/-0.000 χ^2/NDF:587459.6/22

+ sign 0.003+/-0.000 χ^2/NDF: 11950211.4/52

All: 0.003+/-0.000 χ^2/NDF: 21372340.0/108

- sign 0.004+/-0.000 χ^2/NDF: 9389231.5/55



Right In: -0.993+/-0.000 χ^2/NDF: 5814945109.3/27

Left Out: -1.051+/-0.000 χ^2/NDF:5082084184.4/24

Right Out: -0.998+/-0.000 χ^2/NDF: 5025580905.1/32

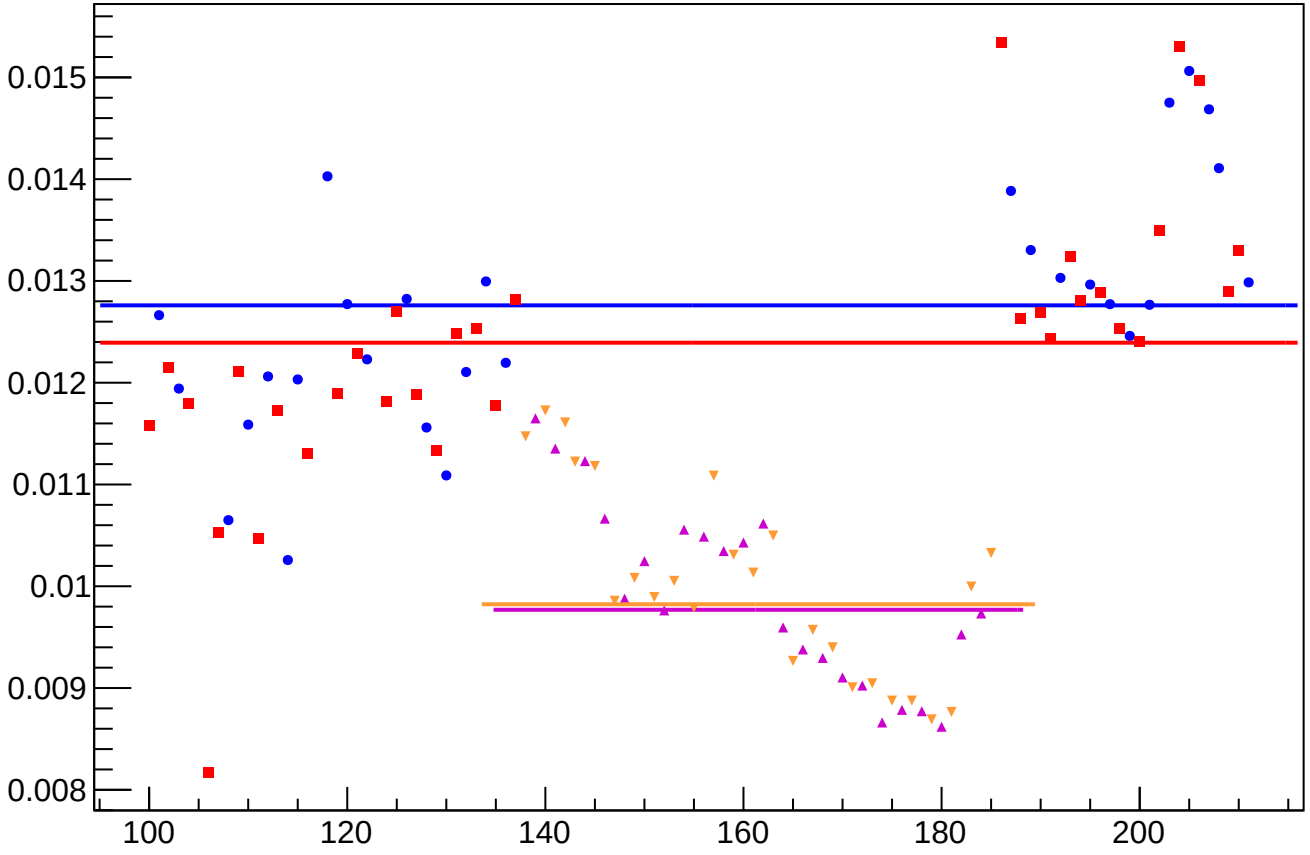
Left In: -1.035+/-0.000 χ^2/NDF:3925761523.9/22

+ sign -1.031+/-0.000 χ^2/NDF: 11114022529.4/52

All: -1.026+/-0.000 χ^2/NDF: 20172870809.8/

- sign -1.021+/-0.000 χ^2/NDF: 9042597100.9/55

yield_bpm0l10X_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF: 230516.7/27

Left Out: 0.010+/-0.000 χ^2/NDF:293862.1/24

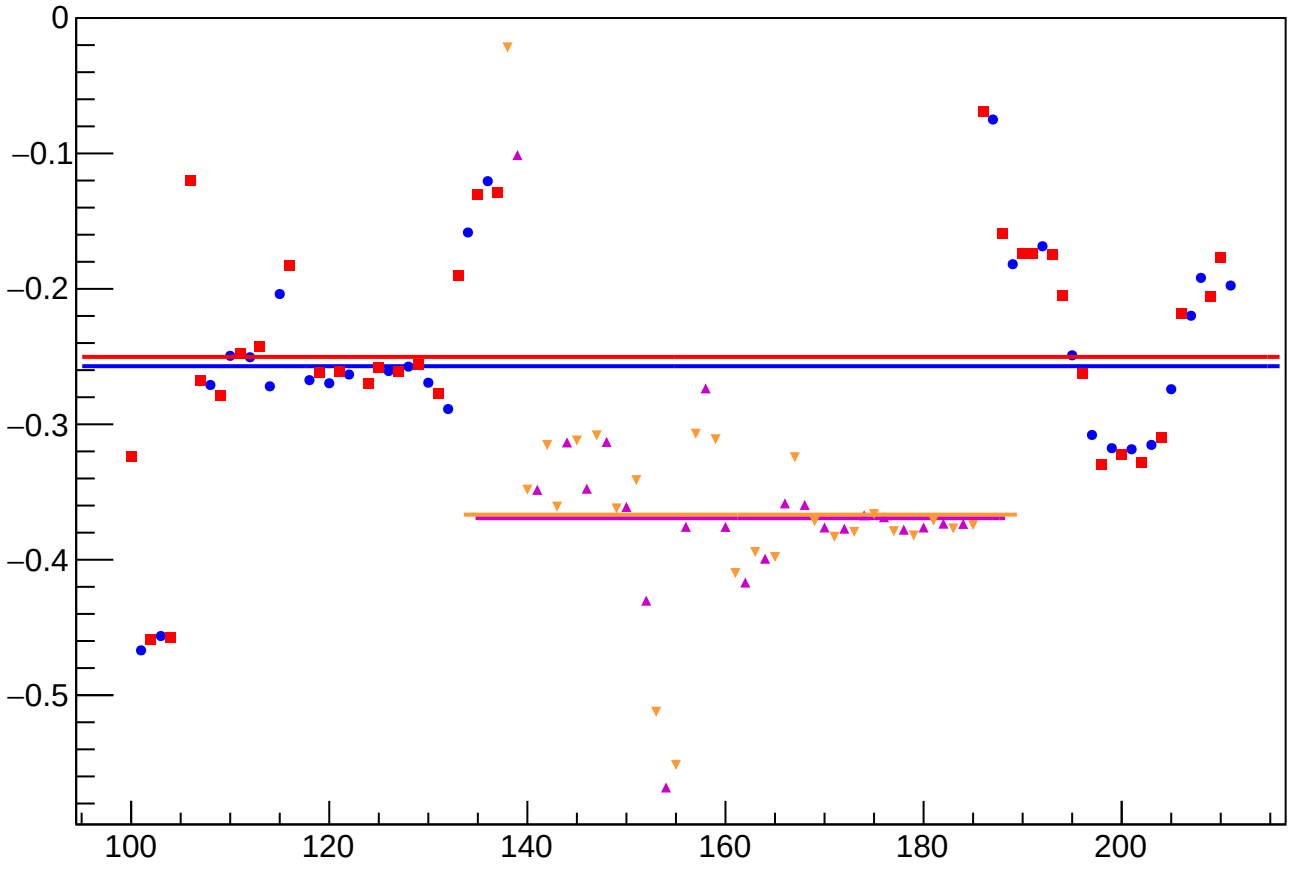
Right Out: 0.012+/-0.000 χ^2/NDF: 415274.1/32

Left In: 0.010+/-0.000 χ^2/NDF:281817.4/22

+ sign 0.011+/-0.000 χ^2/NDF: 1641703.9/52

All: 0.011+/-0.000 χ^2/NDF: 3304891.0/108

- sign 0.011+/-0.000 χ^2/NDF: 1662577.4/55



Right In: -0.257+/-0.000 χ^2/NDF: 8463305905.8/27

Left Out: -0.367+/-0.000 χ^2/NDF:11945266102.2/24

Right Out: -0.250+/-0.000 χ^2/NDF: 8792543820.8/32

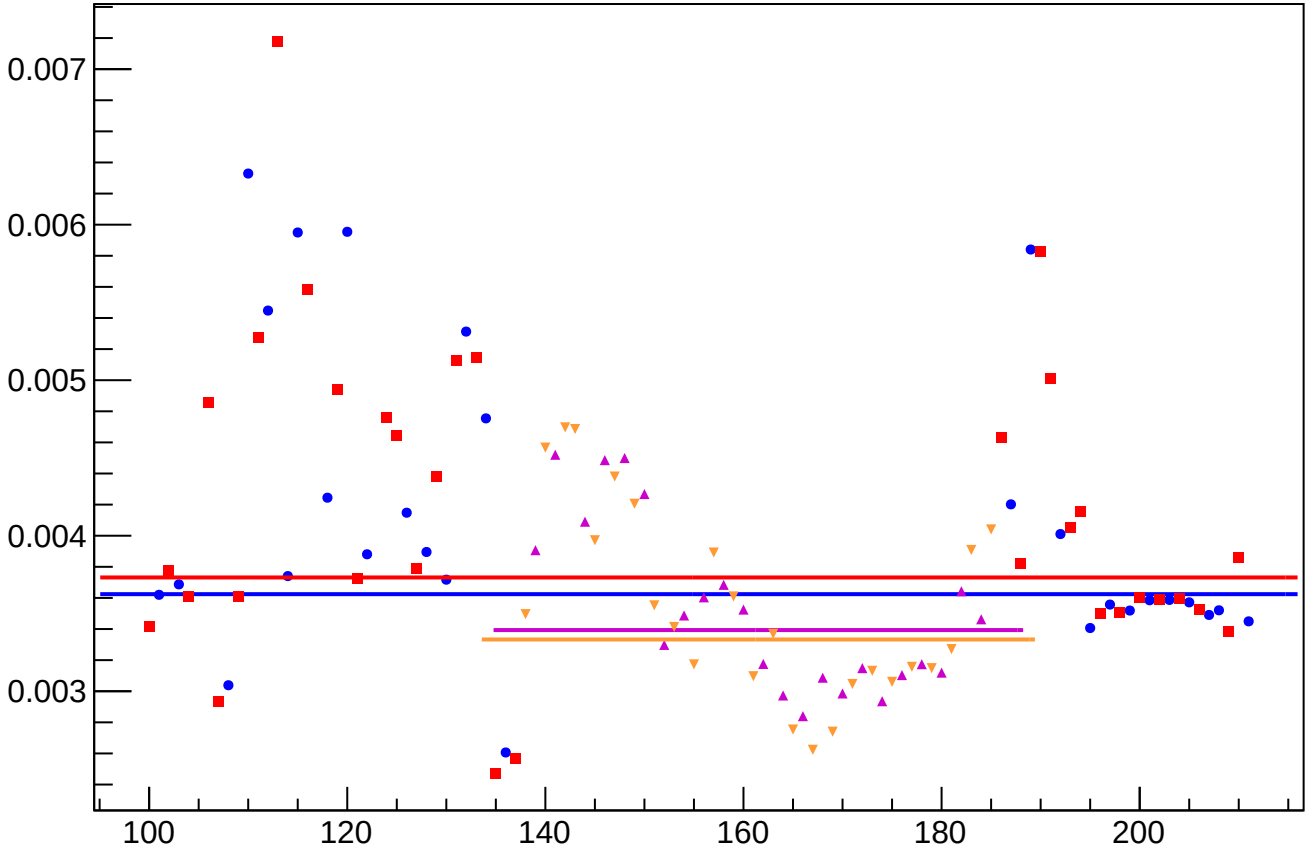
Left In: -0.369+/-0.000 χ^2/NDF:7581323027.3/22

+ sign -0.321+/-0.000 χ^2/NDF: 28307960694.2/52

All: -0.319+/-0.000 χ^2/NDF: 53832604141.1/

- sign -0.316+/-0.000 χ^2/NDF: 25492914956.6/55

yield_bpm0l10Y_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF: 913561.6/27

Left Out: 0.003+/-0.000 χ^2/NDF:857705.2/24

Right Out: 0.004+/-0.000 χ^2/NDF: 1111333.6/32

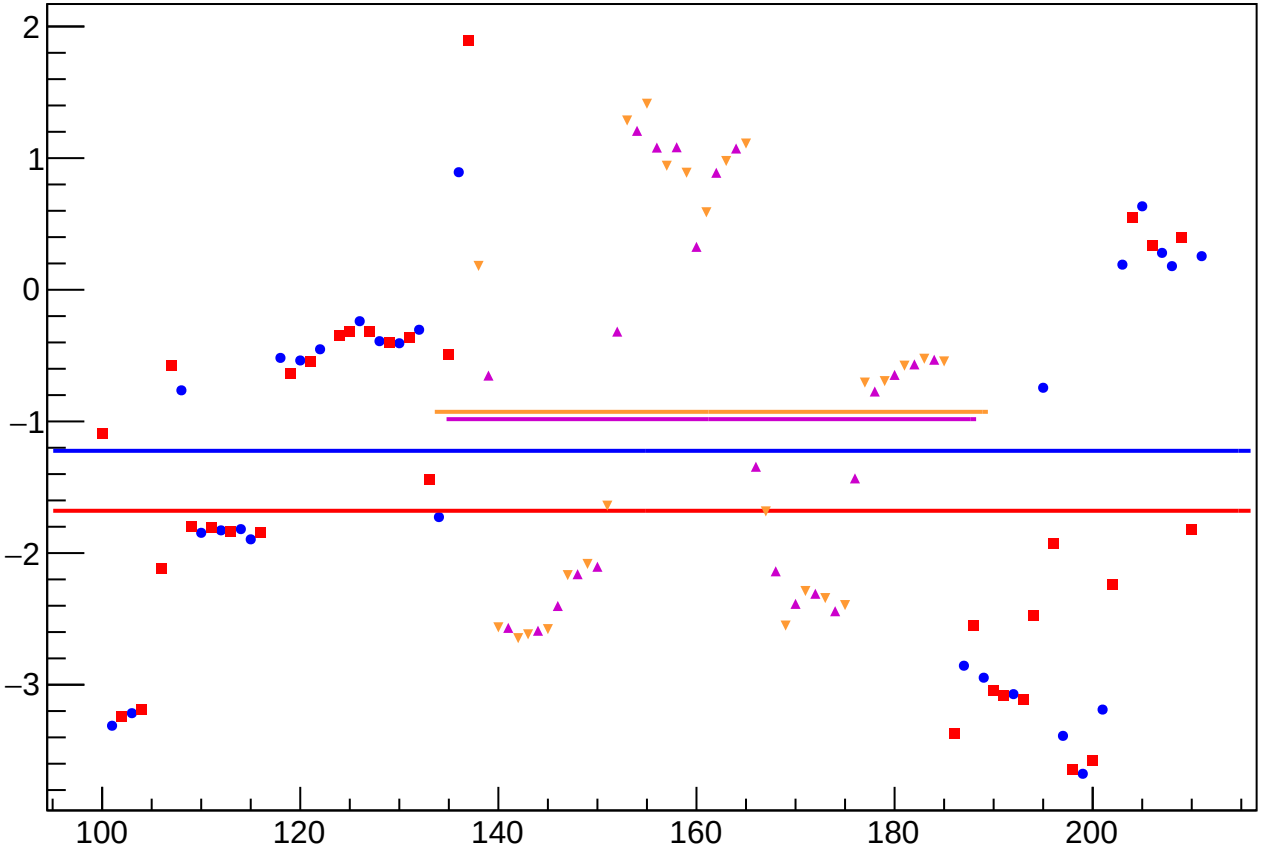
Left In: 0.003+/-0.000 χ^2/NDF:633604.8/22

+ sign 0.003+/-0.000 χ^2/NDF: 1882937.6/52

All: 0.003+/-0.000 χ^2/NDF: 3796546.9/108

- sign 0.004+/-0.000 χ^2/NDF: 1892035.6/55

yield_bpm0r03X_mean vs Slug



Right In: -1.223+/-0.000 χ^2/NDF: 6903768992.8/27

Left Out: -0.927+/-0.000 χ^2/NDF:7248712470.7/24

Right Out: -1.679+/-0.000 χ^2/NDF: 5990190013.3/32

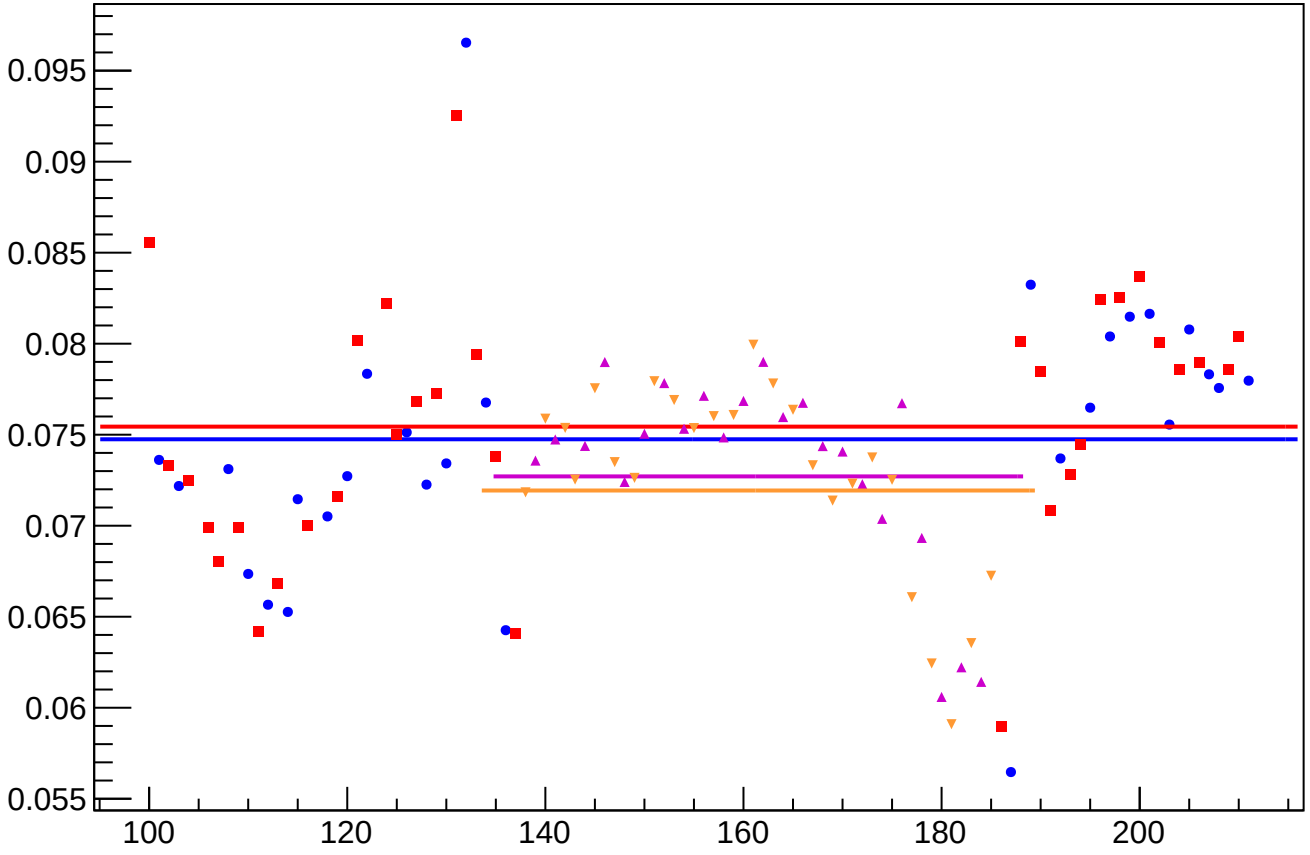
Left In: -0.983+/-0.000 χ^2/NDF:5918975536.0/22

+ sign -1.058+/-0.000 χ^2/NDF: 14294715461.4/52

All: -1.187+/-0.000 χ^2/NDF: 27209090053.5/

- sign -1.316+/-0.000 χ^2/NDF: 12695910680.7/55

yield_bpm0r03X_rms vs Slug



Right In: 0.075+/-0.000 χ^2/NDF: 227644.1/27

Left Out: 0.072+/-0.000 χ^2/NDF:235534.6/24

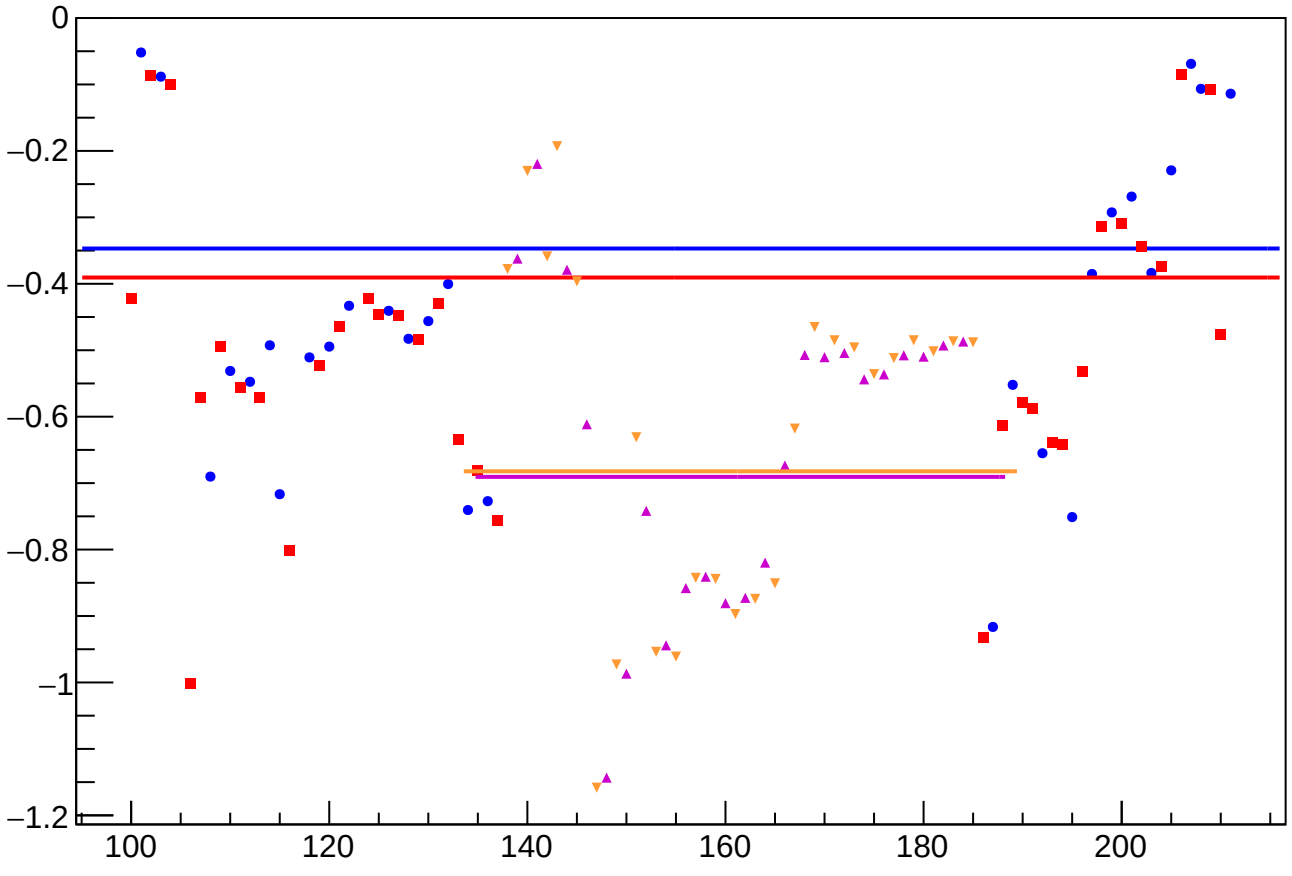
Right Out: 0.075+/-0.000 χ^2/NDF: 253630.3/32

Left In: 0.073+/-0.000 χ^2/NDF:197009.2/22

+ sign 0.073+/-0.000 χ^2/NDF: 488840.8/52

All: 0.074+/-0.000 χ^2/NDF: 968396.6/108

- sign 0.074+/-0.000 χ^2/NDF: 474922.0/55



Right In: -0.347+/-0.000 χ^2/NDF: 13046936034.3/27

Left Out: -0.682+/-0.000 χ^2/NDF:21823342960.4/24

Right Out: -0.391+/-0.000 χ^2/NDF: 10940080889.7/32

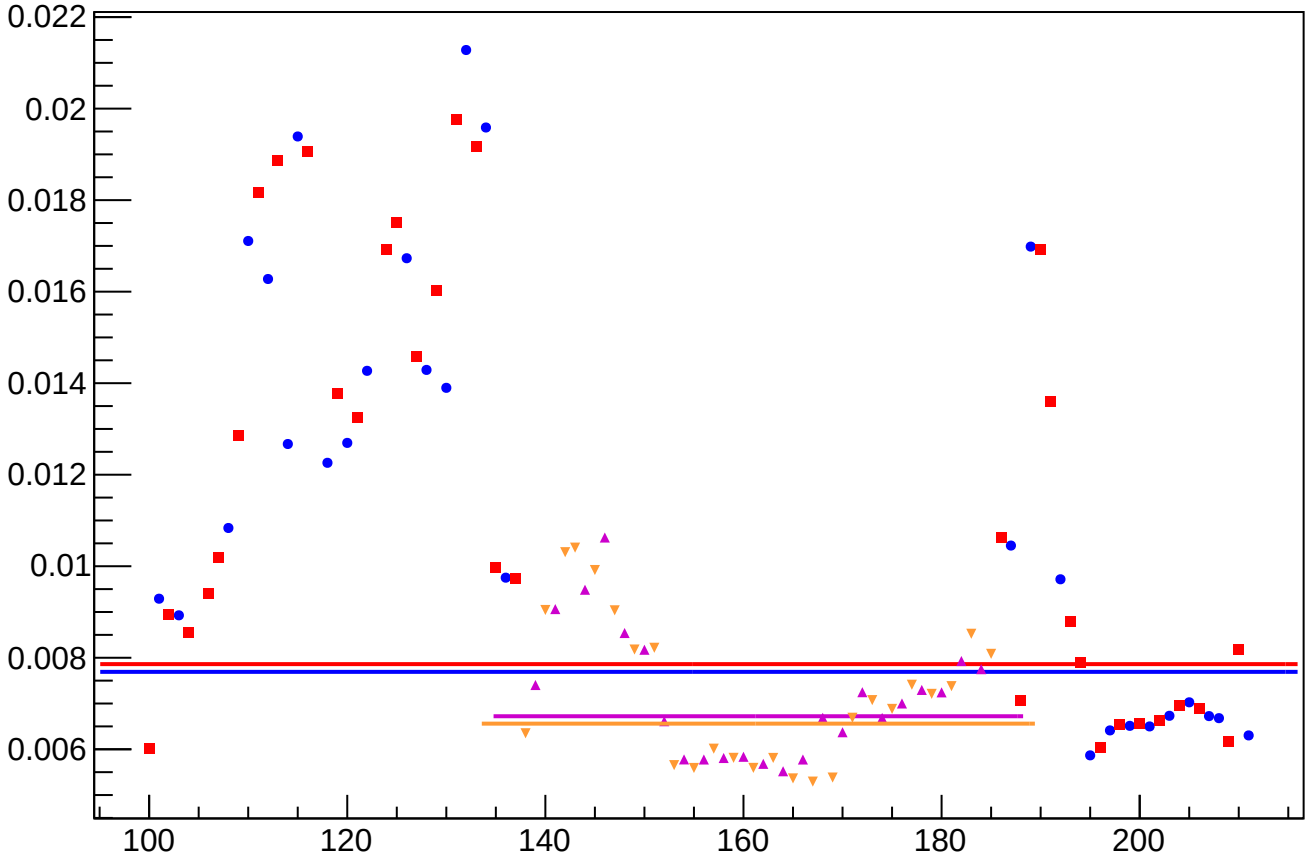
Left In: -0.691+/-0.000 χ^2/NDF:16867819938.3/22

+ sign -0.559+/-0.000 χ^2/NDF: 51689346710.8/52

All: -0.565+/-0.000 χ^2/NDF: 92705979976.9/

- sign -0.572+/-0.000 χ^2/NDF: 40967271663.4/55

yield_bpm0r03Y_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF: 3082407.9/27

Left Out: 0.007+/-0.000 χ^2/NDF:1404221.4/24

Right Out: 0.008+/-0.000 χ^2/NDF: 3257102.2/32

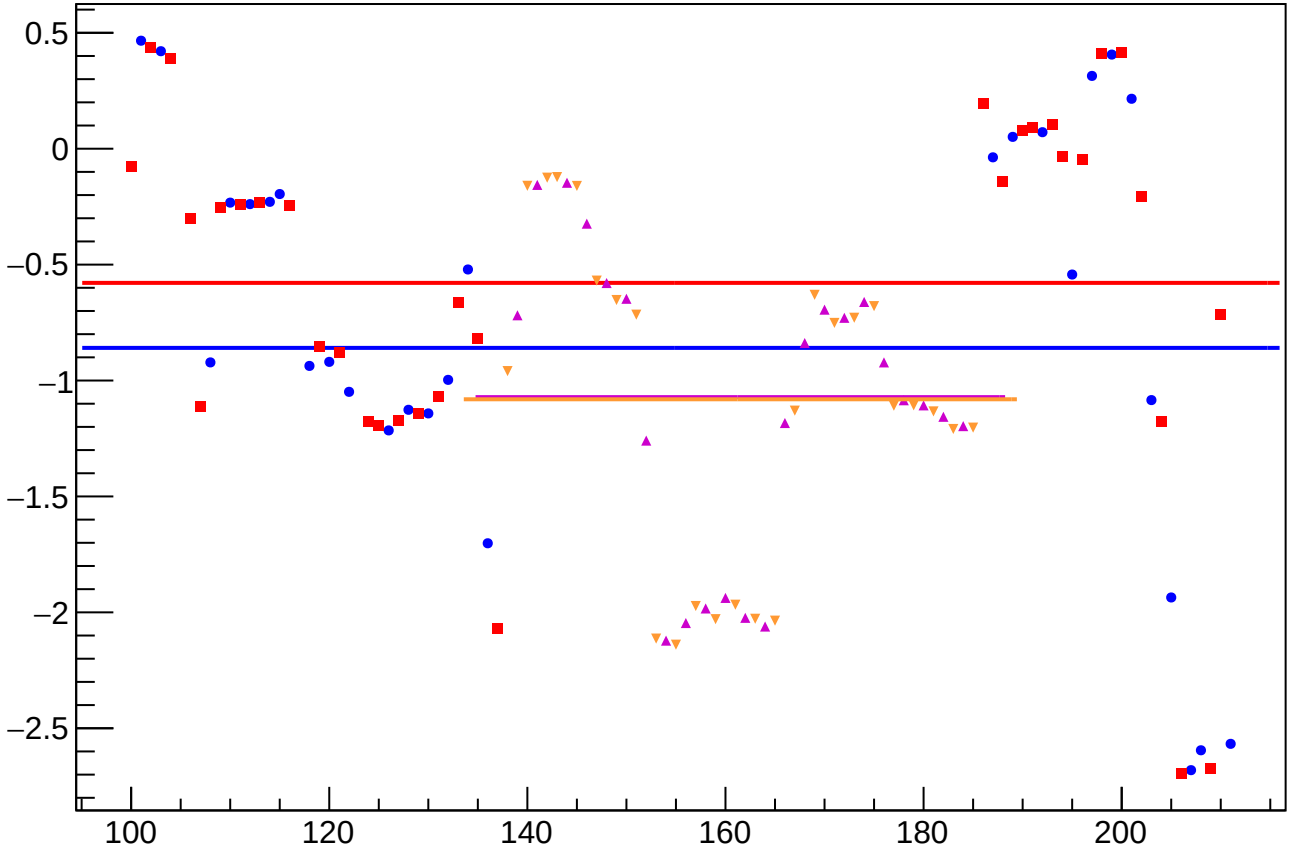
Left In: 0.007+/-0.000 χ^2/NDF:960755.3/22

+ sign 0.007+/-0.000 χ^2/NDF: 4869752.7/52

All: 0.007+/-0.000 χ^2/NDF: 9491369.5/108

- sign 0.007+/-0.000 χ^2/NDF: 4597127.5/55

yield_bpm0r05X_mean vs Slug



Right In: -0.859+/-0.000 χ^2/NDF: 1952903202.7/27

Left Out: -1.081+/-0.000 χ^2/NDF:1152285460.9/24

Right Out: -0.579+/-0.000 χ^2/NDF: 1660013608.9/32

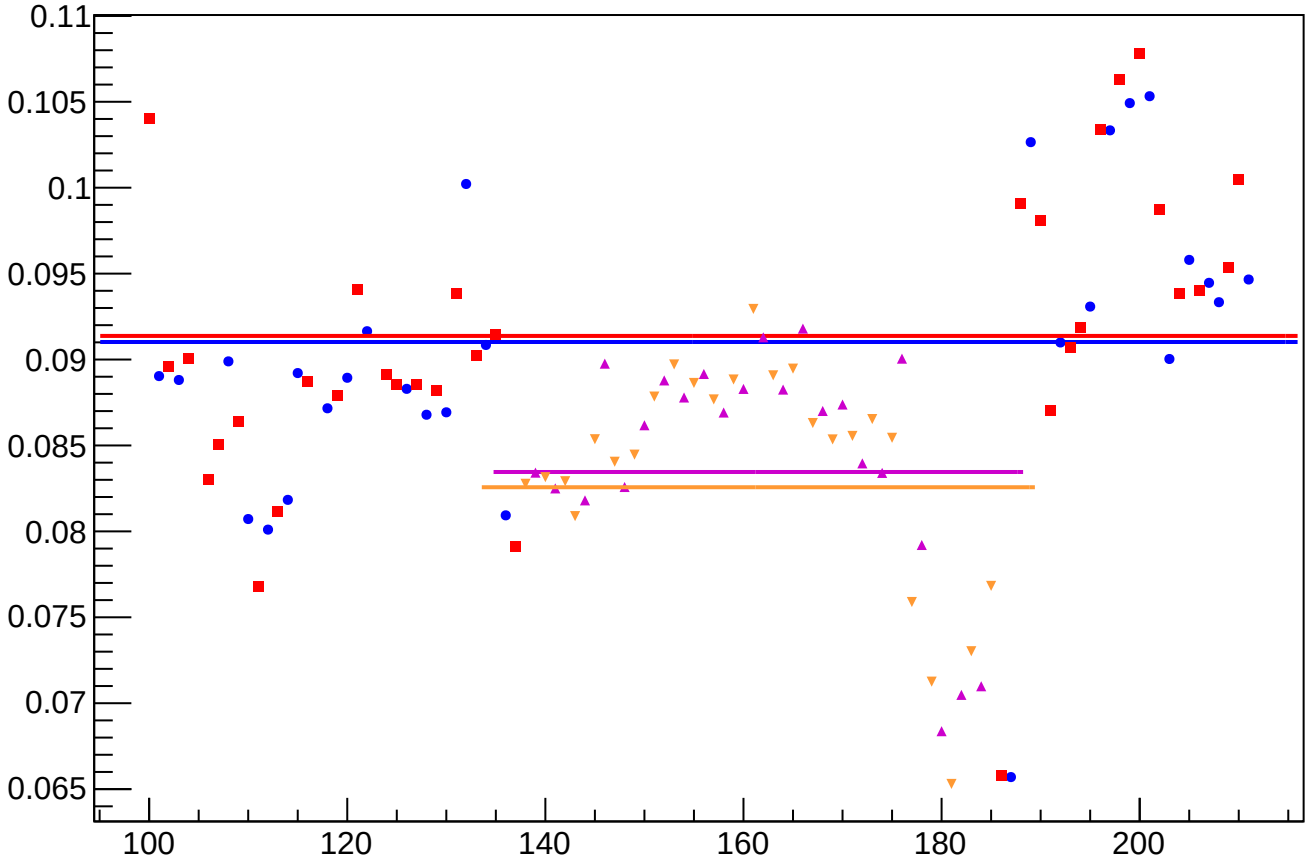
Left In: -1.072+/-0.000 χ^2/NDF:975623531.2/22

+ sign -0.989+/-0.000 χ^2/NDF: 3162258841.9/52

All: -0.919+/-0.000 χ^2/NDF: 6130099770.3/1

- sign -0.849+/-0.000 χ^2/NDF: 2920913363.3/55

yield_bpm0r05X_rms vs Slug



Right In: 0.091+/-0.000 χ^2/NDF: 241419.1/27

Left Out: 0.083+/-0.000 χ^2/NDF:291134.3/24

Right Out: 0.091+/-0.000 χ^2/NDF: 345370.8/32

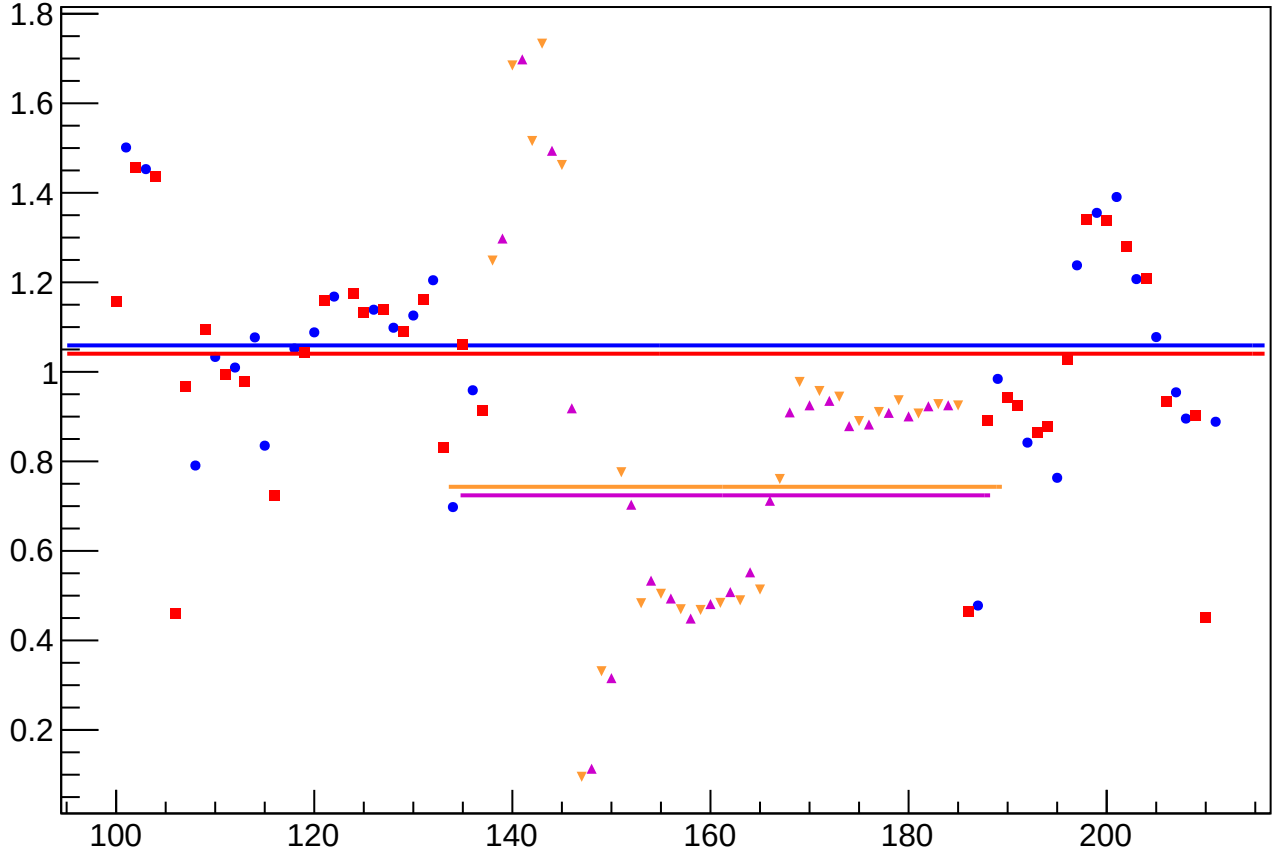
Left In: 0.083+/-0.000 χ^2/NDF:238412.3/22

+ sign 0.086+/-0.000 χ^2/NDF: 698391.4/52

All: 0.087+/-0.000 χ^2/NDF: 1433921.1/108

- sign 0.087+/-0.000 χ^2/NDF: 731059.6/55

yield_bpm0r05Y_mean vs Slug



Right In: 1.059+/-0.000 χ^2/NDF: 5945791235.8/27

Left Out: 0.743+/-0.000 χ^2/NDF:32581746516.6/24

Right Out: 1.041+/-0.000 χ^2/NDF: 7529611471.3/32

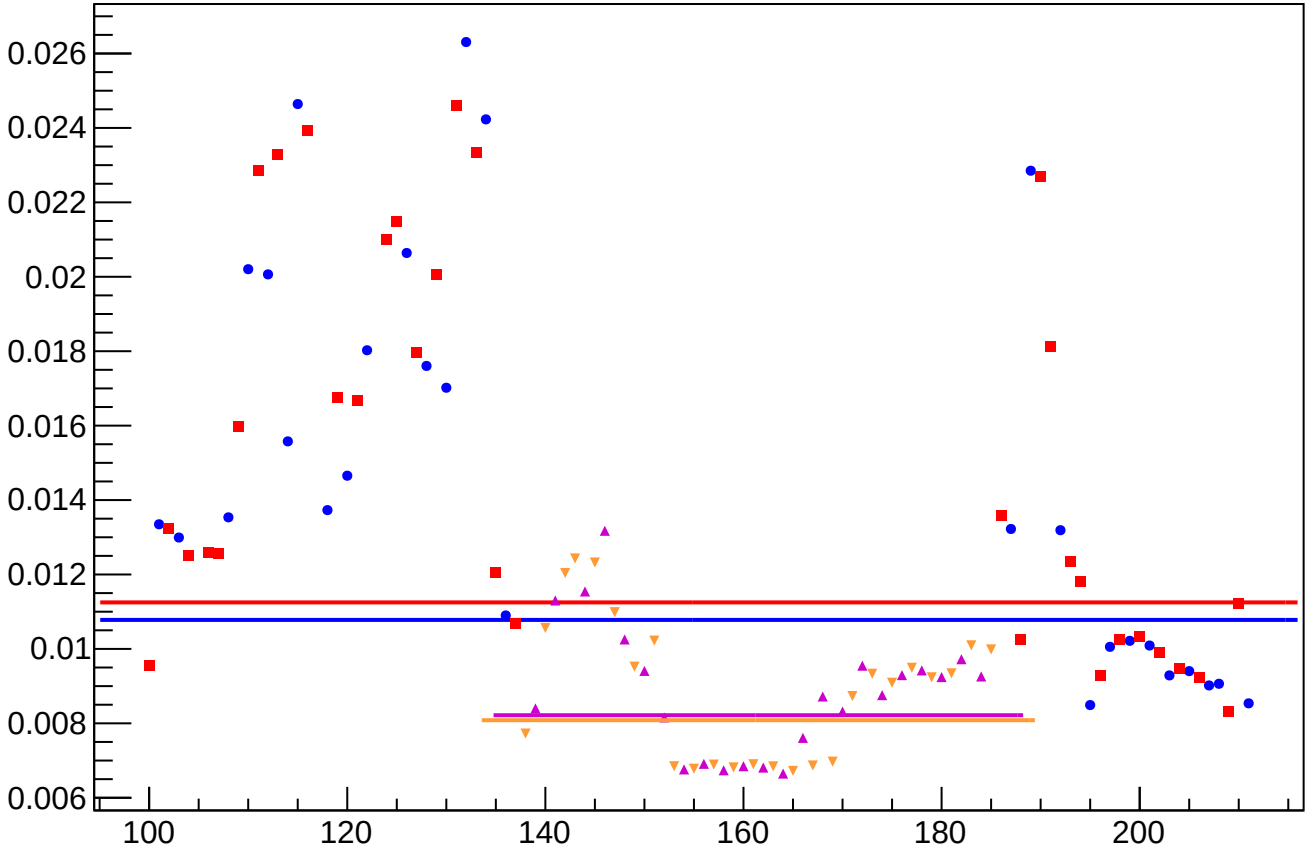
Left In: 0.724+/-0.000 χ^2/NDF:25654534031.9/22

+ sign 0.842+/-0.000 χ^2/NDF: 46985664395.9/52

All: 0.835+/-0.000 χ^2/NDF: 88368446011.5/1

- sign 0.828+/-0.000 χ^2/NDF: 41347499245.4/55

yield_bpm0r05Y_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF: 2312681.0/27

Left Out: 0.008+/-0.000 χ^2/NDF:1406307.1/24

Right Out: 0.011+/-0.000 χ^2/NDF: 2456962.1/32

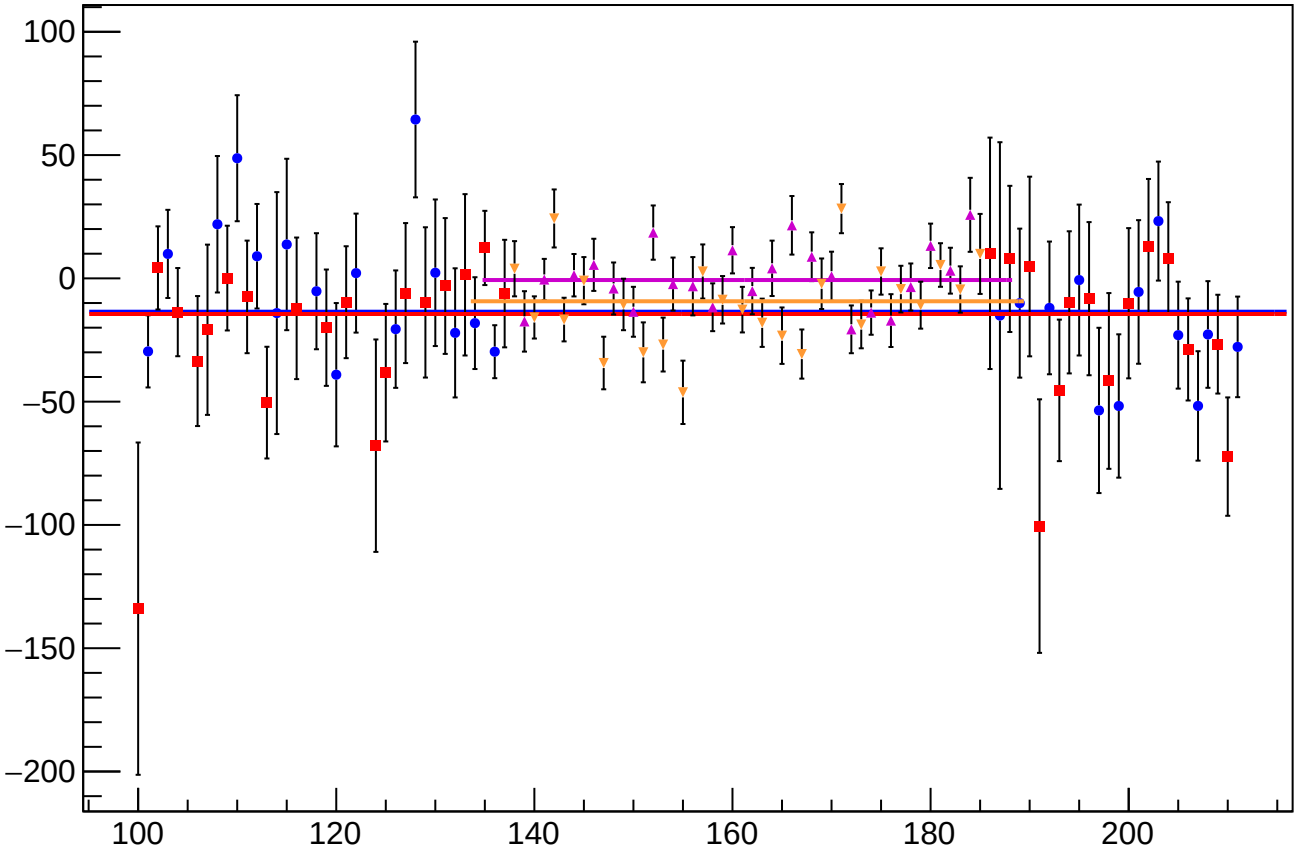
Left In: 0.008+/-0.000 χ^2/NDF:1127833.6/22

+ sign 0.009+/-0.000 χ^2/NDF: 4950873.7/52

All: 0.009+/-0.000 χ^2/NDF: 10067007.9/108

- sign 0.009+/-0.000 χ^2/NDF: 5083985.2/55

diff_bpm4aX_mean vs Slug



Right In: -13.523+/-4.338 χ^2/NDF: 32.1/27

Left Out: -9.292+/-2.031 χ^2/NDF:61.1/24

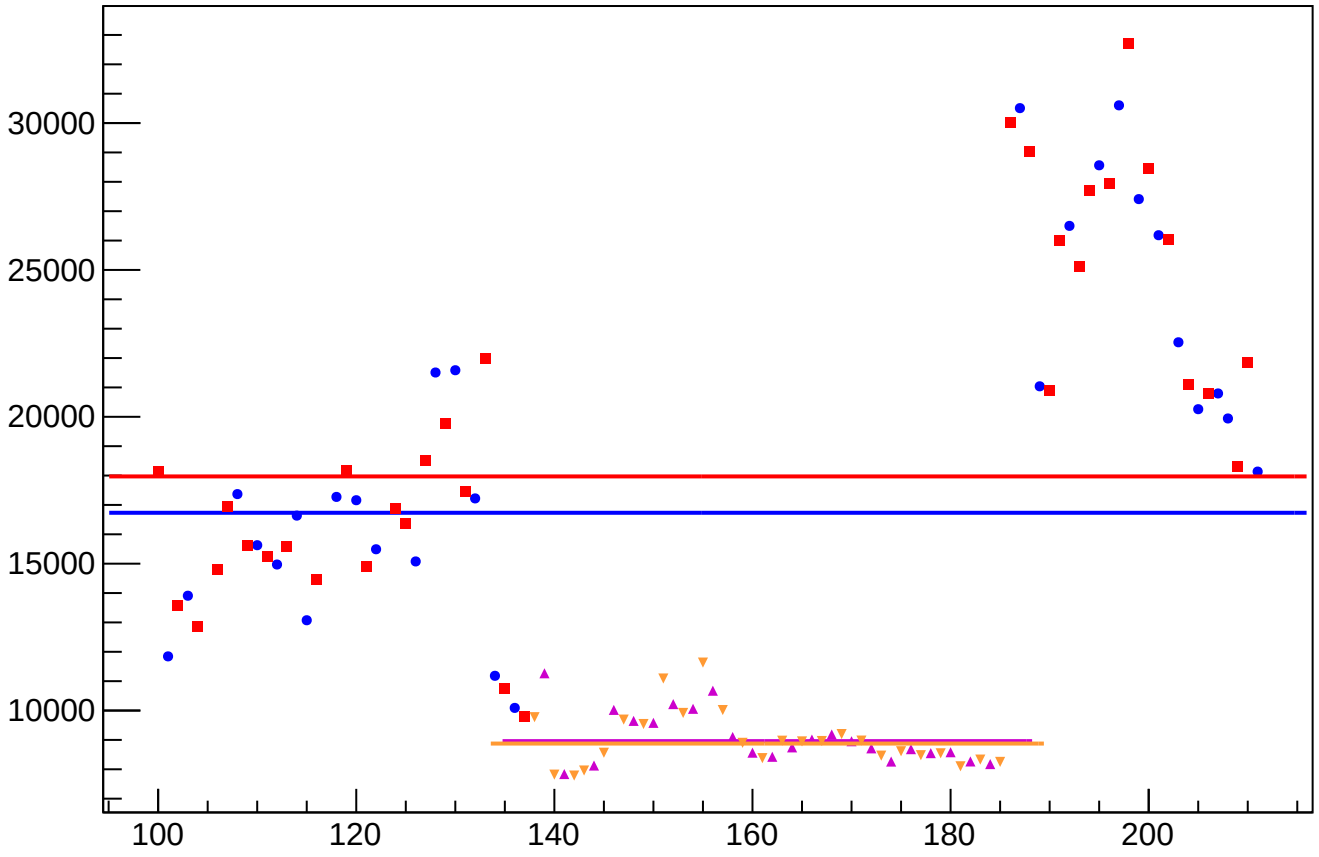
Right Out: -14.451+/-4.430 χ^2/NDF: 28.6/32

Left In: -0.676+/-2.104 χ^2/NDF:29.4/22

+ sign -10.052+/-1.839 χ^2/NDF: 94.0/52

All: -6.744+/-1.322 χ^2/NDF: 166.6/108

- sign -3.211+/-1.901 χ^2/NDF: 65.9/55



Right In: 16732.692+/-3.067 χ^2/NDF: 3165152.4/27

Left Out: 8875.623+/-1.436 χ^2/NDF:346964.6/24

Right Out: 17970.481+/-3.133 χ^2/NDF: 3168084.9/32

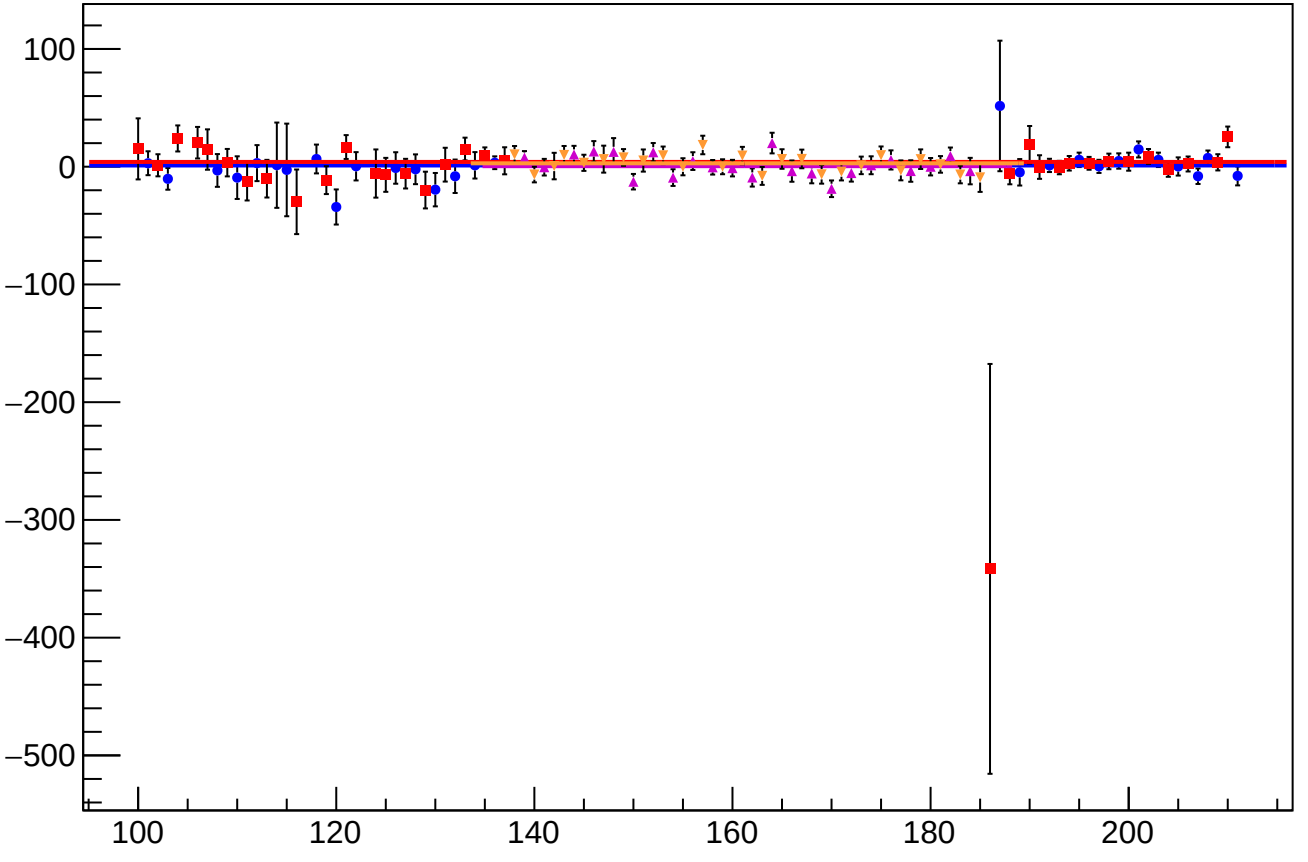
Left In: 8958.661+/-1.488 χ^2/NDF:301724.6/22

+ sign 10287.777+/-1.300 χ^2/NDF: 8893930.3/52

All: 10447.150+/-0.935 χ^2/NDF: 19147015.0

- sign 10617.382+/-1.344 χ^2/NDF: 10222022.1/55

diff_bpm4aY_mean vs Slug



Right In: 1.040+/-1.649 χ^2/NDF: 21.4/27

Left Out: 2.879+/-1.554 χ^2/NDF:19.5/24

Right Out: 4.060+/-1.608 χ^2/NDF: 31.8/32

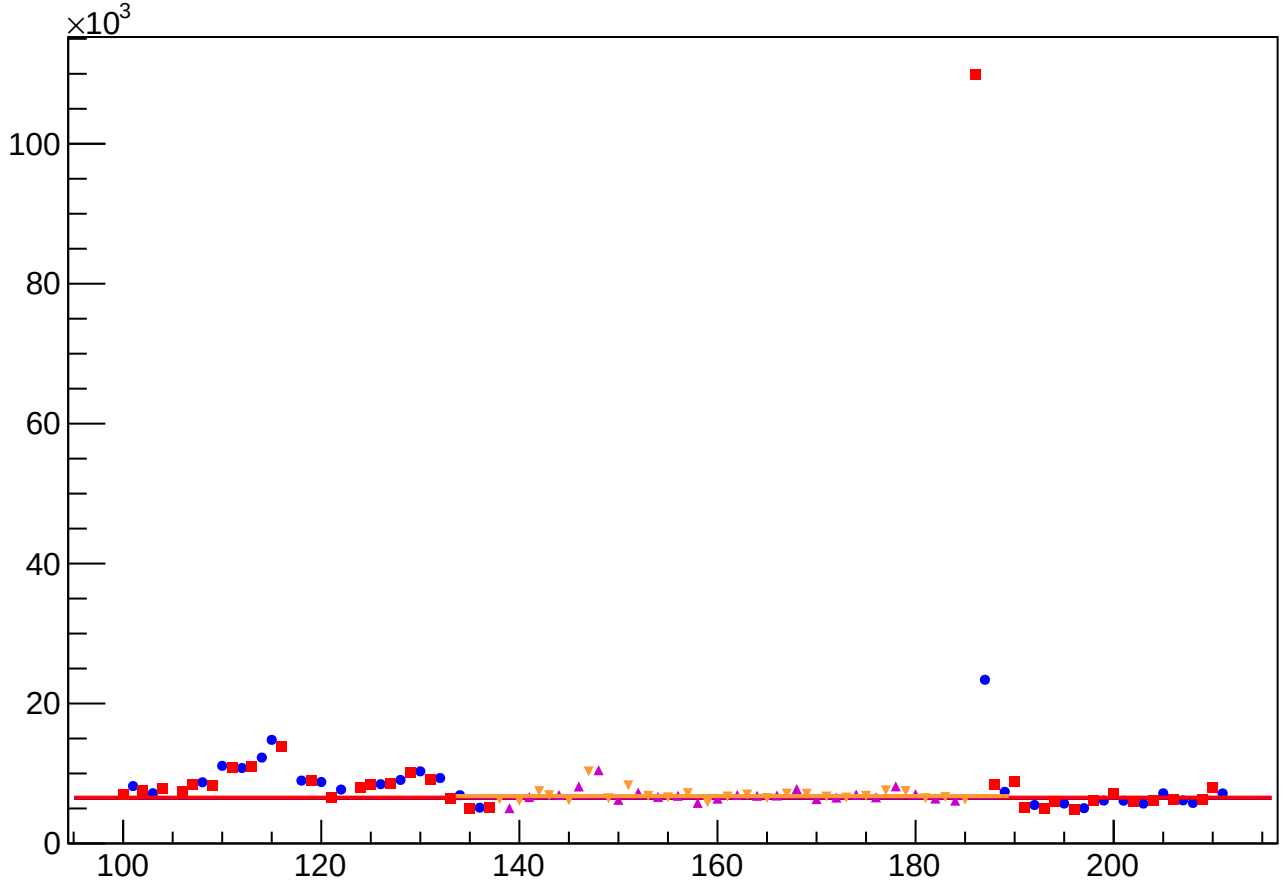
Left In: 0.456+/-1.581 χ^2/NDF:32.8/22

+ sign 2.014+/-1.131 χ^2/NDF: 41.5/52

All: 2.121+/-0.798 χ^2/NDF: 108.7/108

- sign 2.228+/-1.127 χ^2/NDF: 67.1/55

diff_bpm4aY_rms vs Slug



Right In: 6498.158+/-1.166 χ^2/NDF: 1714711.4/27

Left Out: 6776.739+/-1.099 χ^2/NDF:400166.7/24

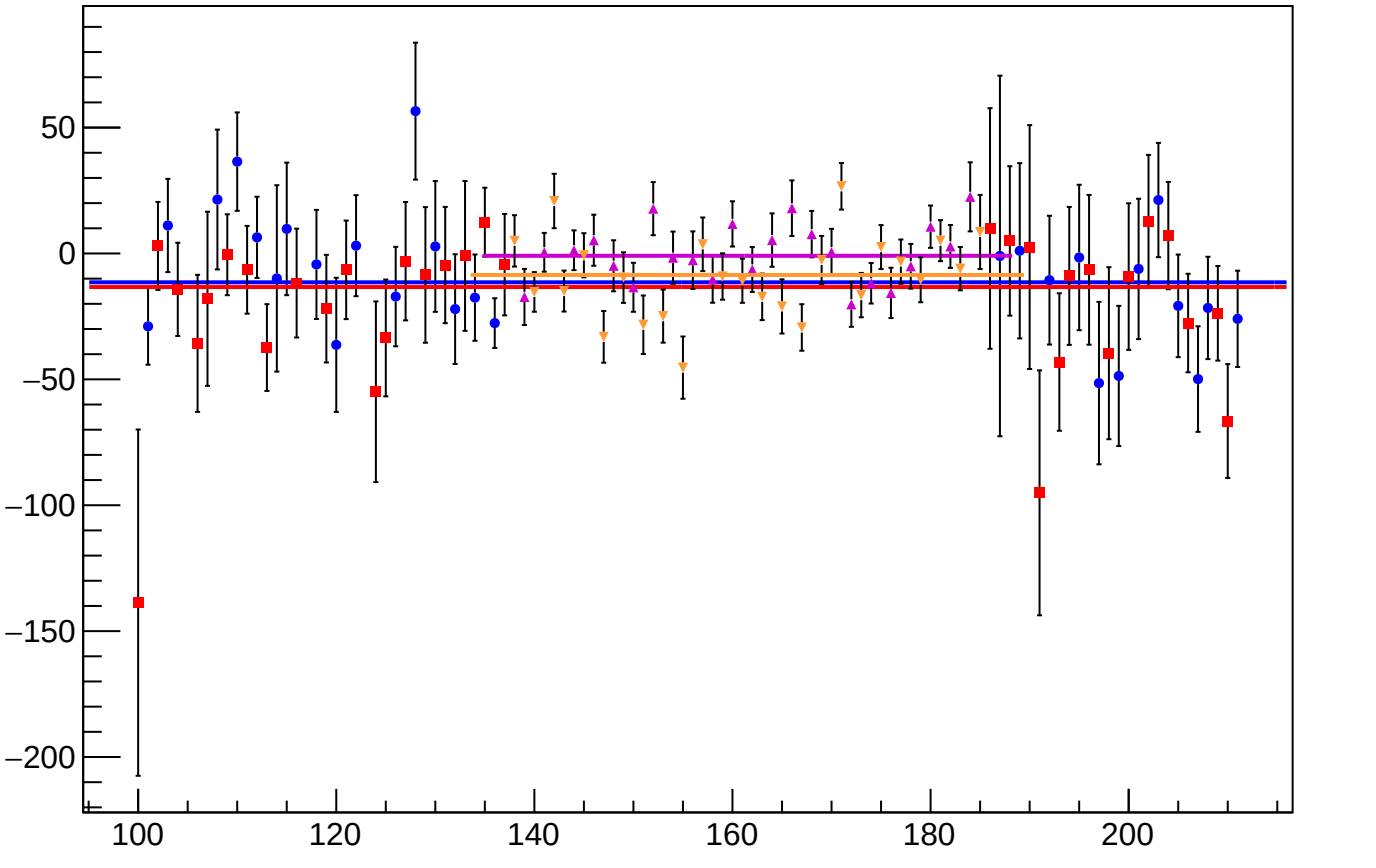
Right Out: 6547.992+/-1.137 χ^2/NDF: 2387335.7/32

Left In: 6689.550+/-1.118 χ^2/NDF:620276.8/22

+ sign 6645.760+/-0.800 χ^2/NDF: 2145106.6/52

All: 6632.814+/-0.565 χ^2/NDF: 5161121.1/10

- sign 6619.947+/-0.797 χ^2/NDF: 3015491.9/55



Right In: -11.458+/-3.971 χ^2/NDF: 33.4/27

Left Out: -8.536+/-1.897 χ^2/NDF:61.9/24

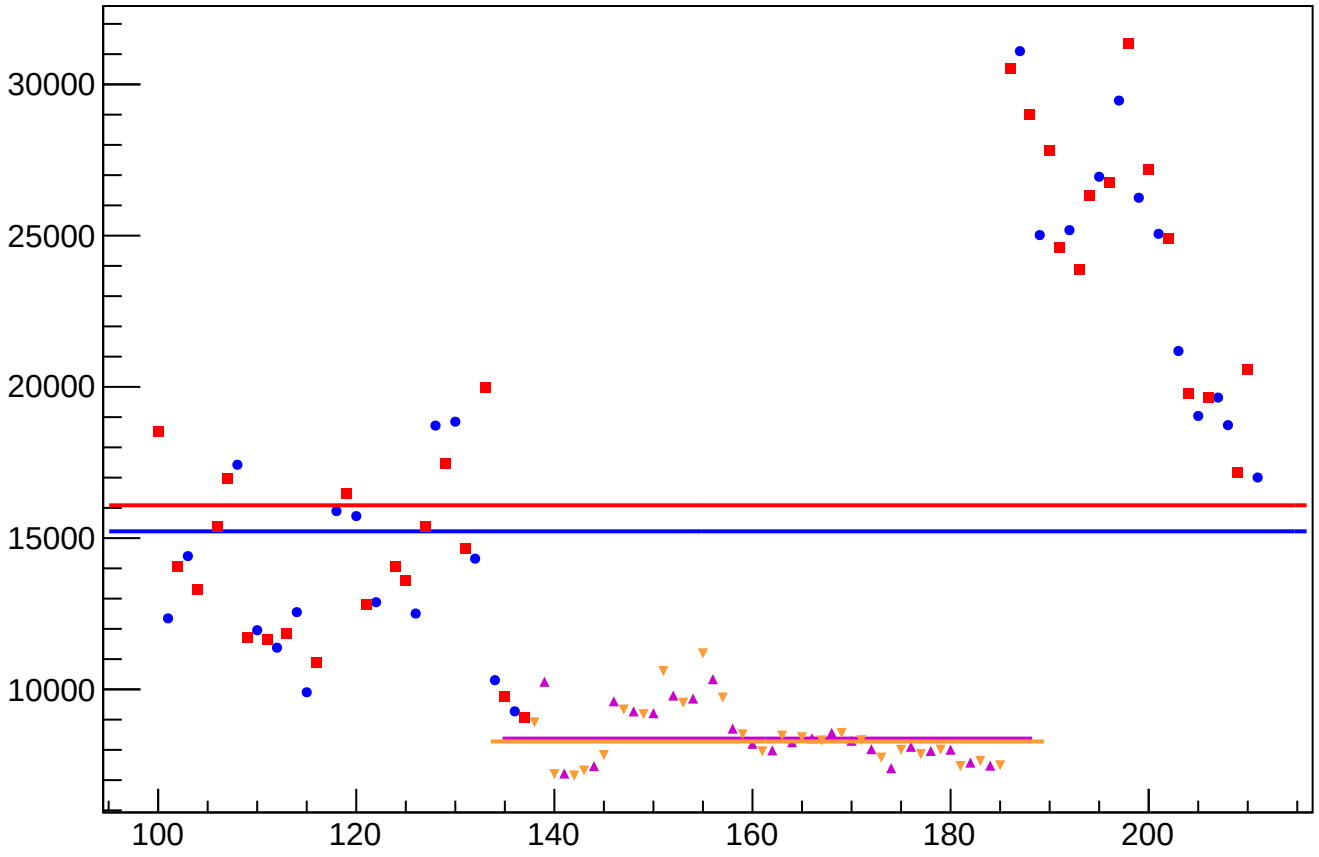
Right Out: -13.333+/-4.016 χ^2/NDF: 28.0/32

Left In: -0.919+/-1.969 χ^2/NDF:29.1/22

+ sign -9.079+/-1.711 χ^2/NDF: 95.8/52

All: -6.295+/-1.230 χ^2/NDF: 166.0/108

- sign -3.325+/-1.768 χ^2/NDF: 64.8/55



Right In: 15224.552+/-2.808 χ^2/NDF: 3600908.7/27

Left Out: 8277.768+/-1.341 χ^2/NDF:455108.5/24

Right Out: 16085.298+/-2.840 χ^2/NDF: 3963203.6/32

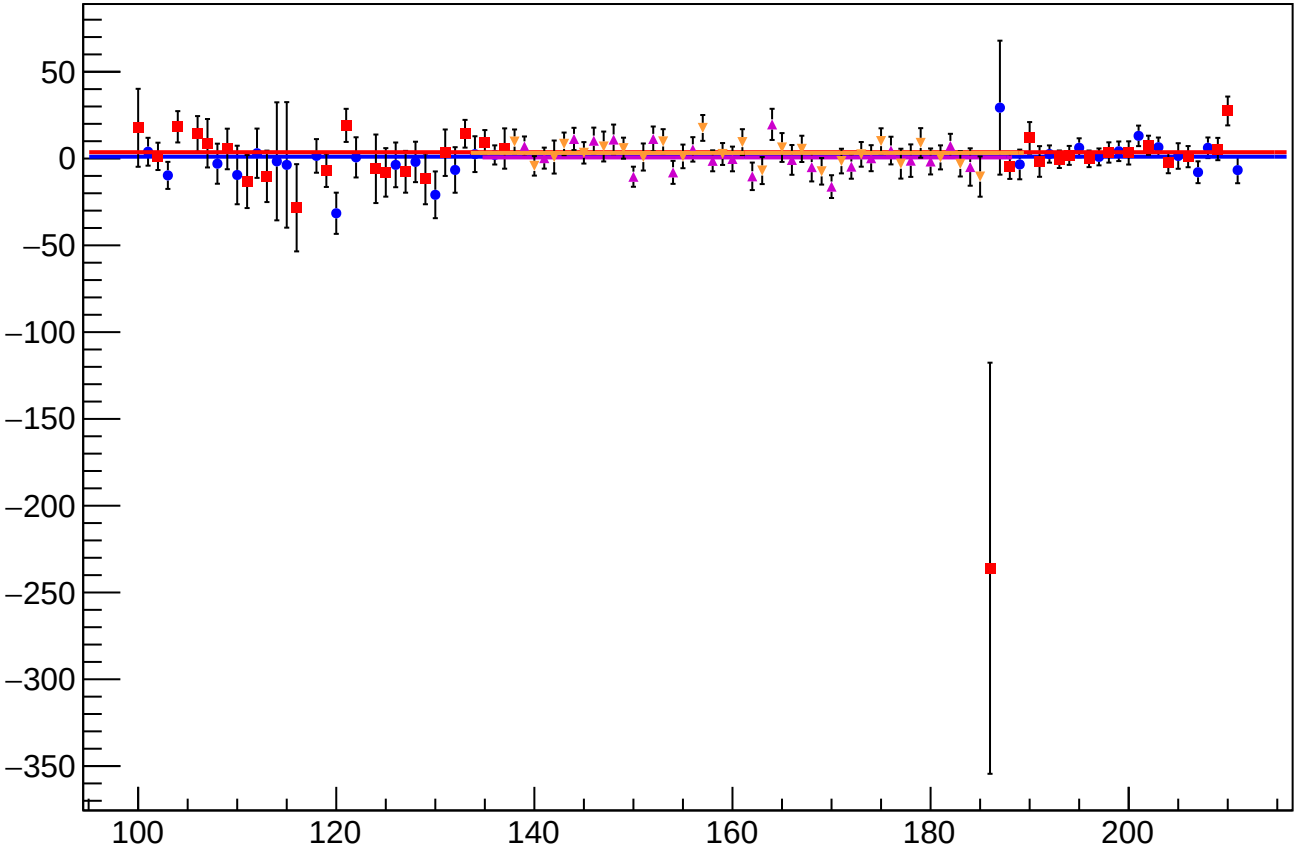
Left In: 8372.363+/-1.392 χ^2/NDF:392872.1/22

+ sign 9568.214+/-1.210 χ^2/NDF: 9039999.4/52

All: 9712.780+/-0.869 χ^2/NDF: 19373212.2/1

- sign 9867.033+/-1.250 χ^2/NDF: 10303716.2/55

diff_bpm4eY_mean vs Slug



Right In: 1.073+/-1.484 χ^2/NDF: 24.4/27

Left Out: 3.255+/-1.457 χ^2/NDF:17.6/24

Right Out: 3.666+/-1.427 χ^2/NDF: 35.1/32

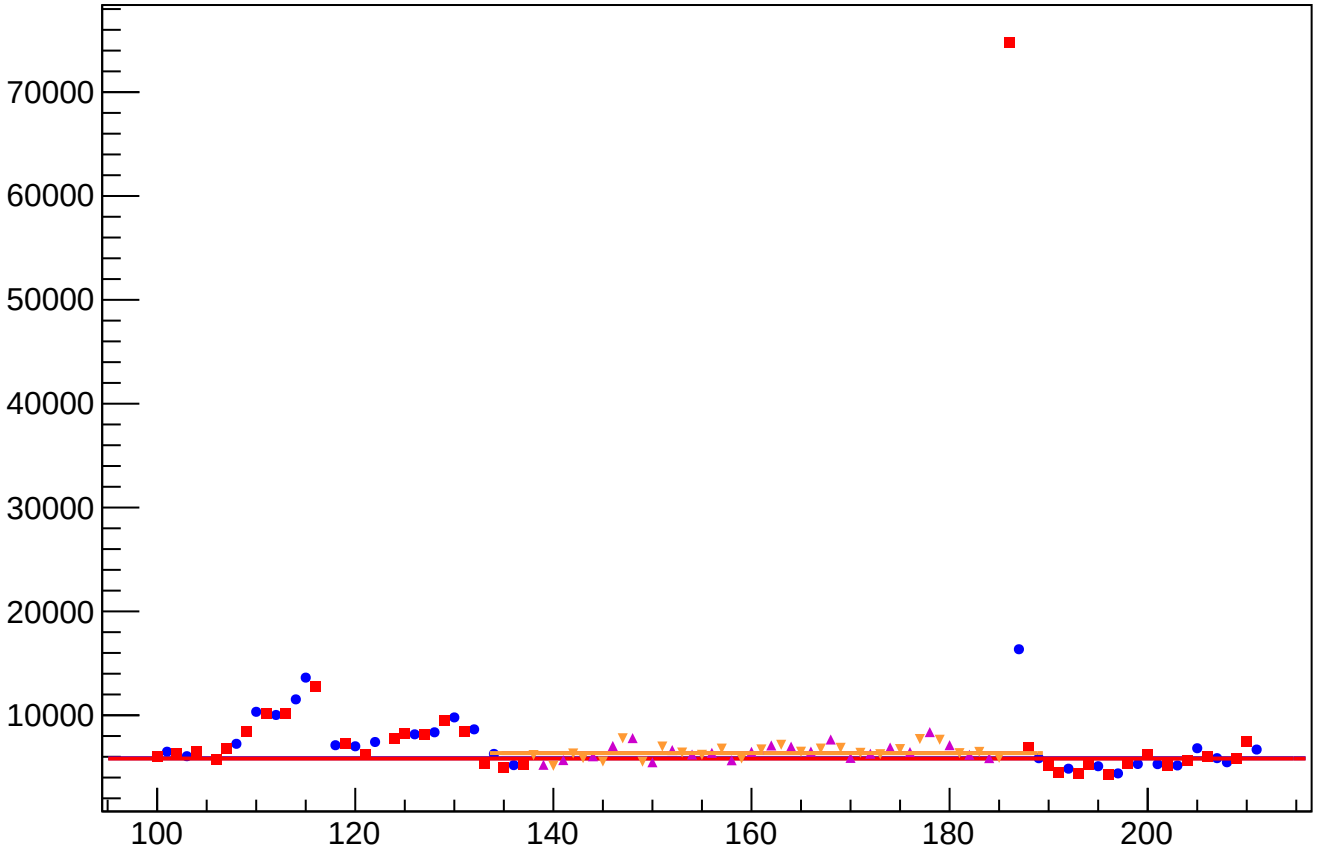
Left In: 0.645+/-1.499 χ^2/NDF:30.8/22

+ sign 2.184+/-1.040 χ^2/NDF: 43.1/52

All: 2.207+/-0.733 χ^2/NDF: 111.1/108

- sign 2.230+/-1.034 χ^2/NDF: 68.0/55

diff_bpm4eY_rms vs Slug



Right In: 5862.118+/-1.049 χ^2/NDF: 1625983.0/27

Left Out: 6357.608+/-1.030 χ^2/NDF:414119.5/24

Right Out: 5829.605+/-1.009 χ^2/NDF: 2381187.7/32

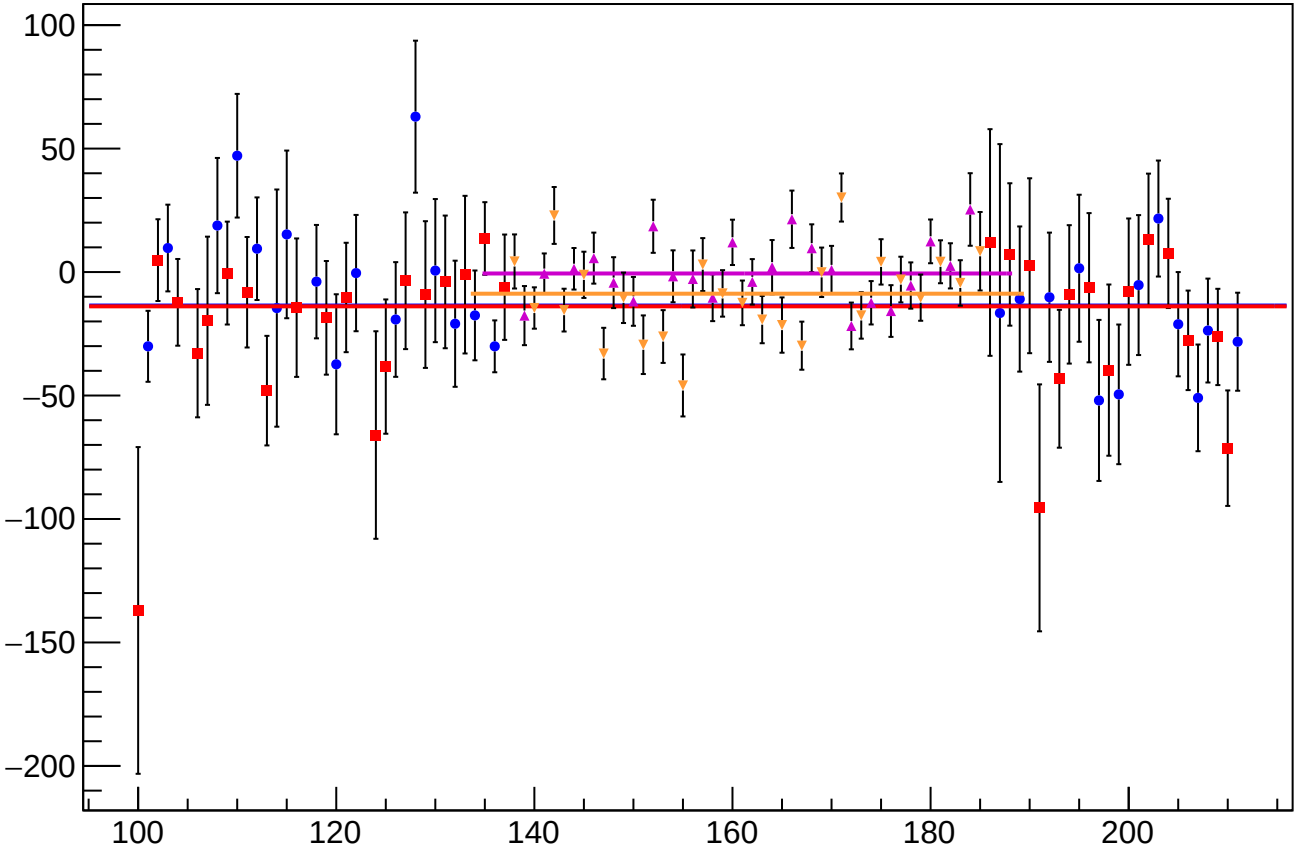
Left In: 6359.907+/-1.060 χ^2/NDF:473875.4/22

+ sign 6114.372+/-0.735 χ^2/NDF: 2153623.0/52

All: 6097.954+/-0.518 χ^2/NDF: 5140940.3/10

- sign 6081.724+/-0.731 χ^2/NDF: 2986325.6/55

diff_bpm4acX_mean vs Slug



Right In: -13.559+/-4.238 χ^2/NDF: 32.1/27

Left Out: -8.767+/-1.987 χ^2/NDF:62.7/24

Right Out: -13.889+/-4.328 χ^2/NDF: 29.0/32

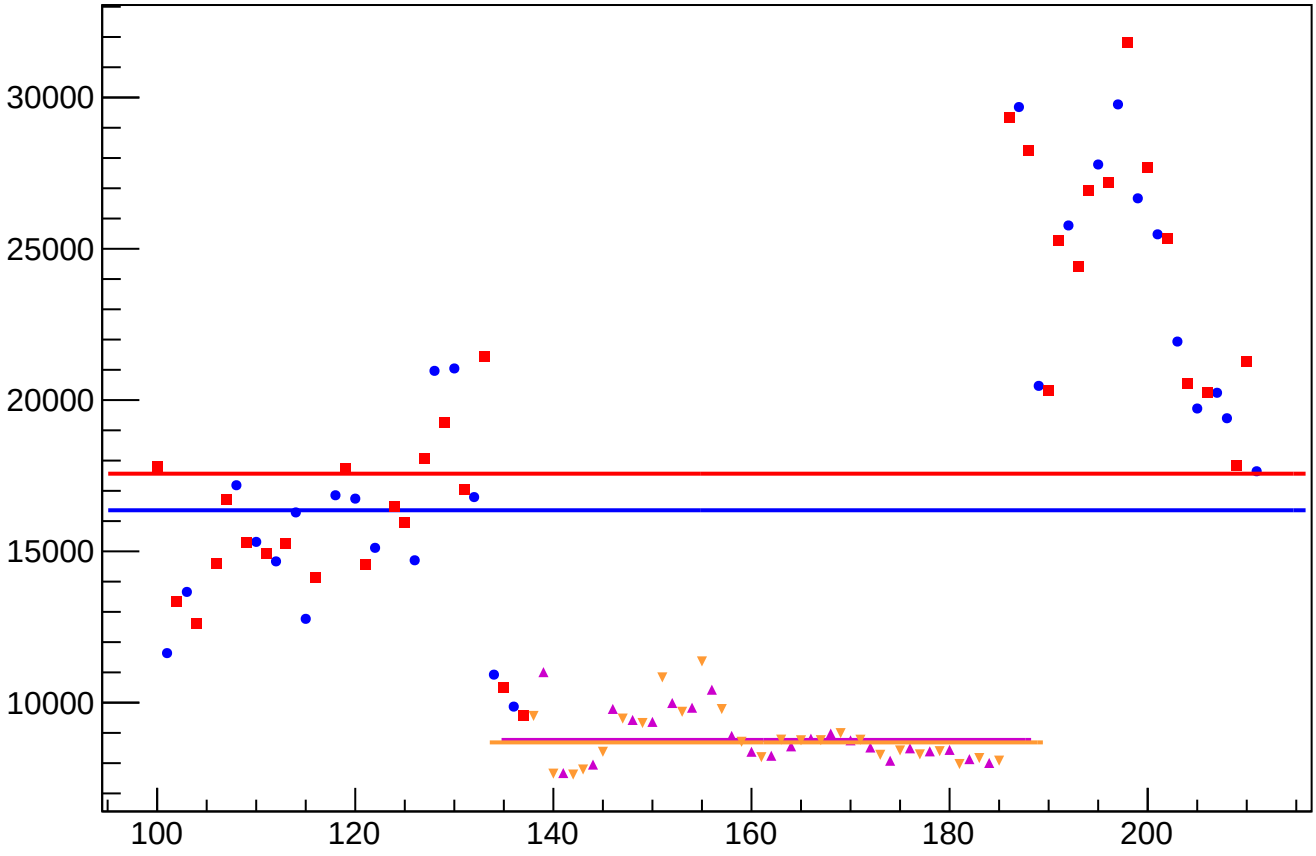
Left In: -0.579+/-2.059 χ^2/NDF:29.6/22

+ sign -9.630+/-1.799 χ^2/NDF: 95.9/52

All: -6.442+/-1.293 χ^2/NDF: 168.7/108

- sign -3.036+/-1.859 χ^2/NDF: 66.3/55

diff_bpm4acX_rms vs Slug



Right In: 16358.130+/-2.996 χ^2/NDF: 3118791.4/27

Left Out: 8686.048+/-1.405 χ^2/NDF:340655.6/24

Right Out: 17567.158+/-3.060 χ^2/NDF: 3117471.1/32

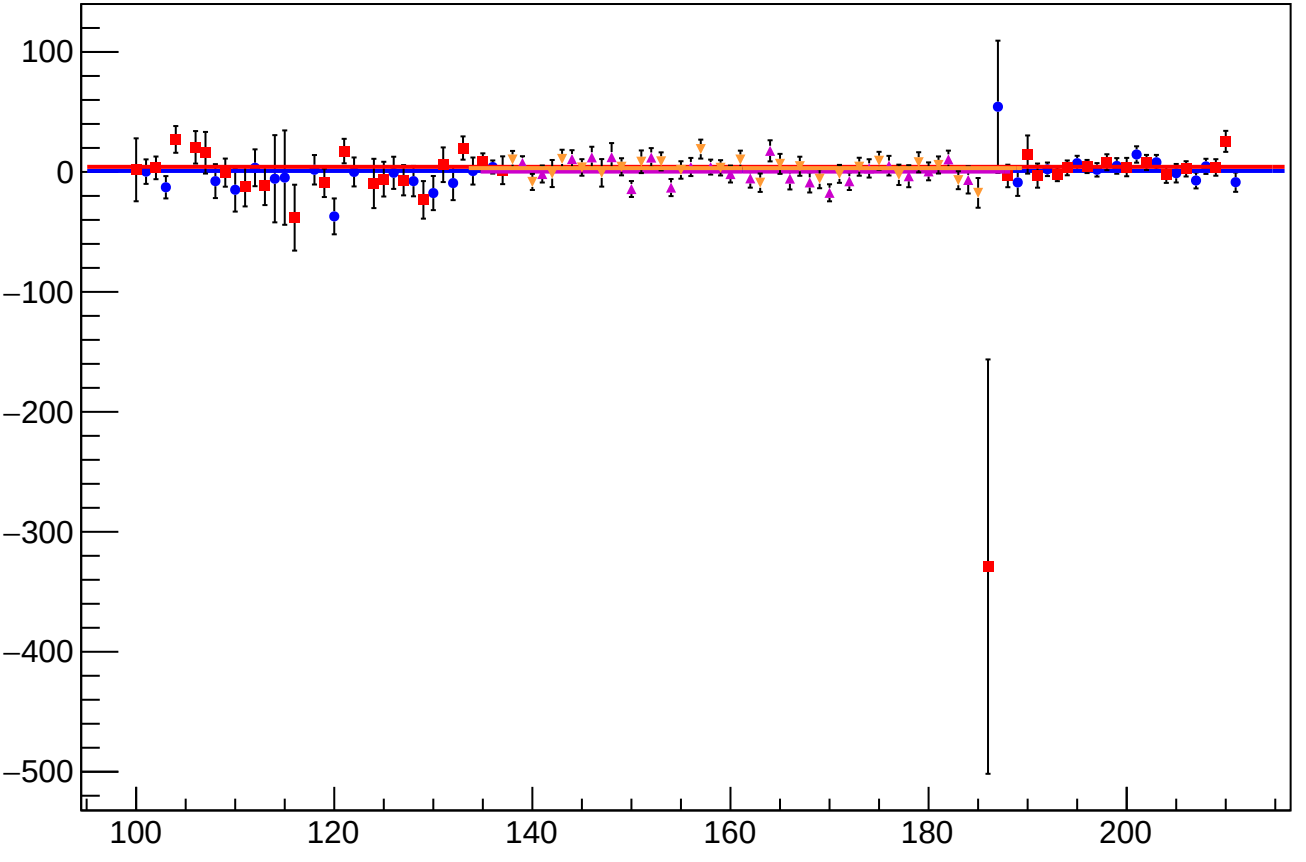
Left In: 8767.705+/-1.456 χ^2/NDF:295552.8/22

+ sign 10068.853+/-1.272 χ^2/NDF: 8833704.3/52

All: 10225.164+/-0.914 χ^2/NDF: 19020535.3

- sign 10392.137+/-1.315 χ^2/NDF: 10155604.0/55

diff_bpm4acY_mean vs Slug



Right In: 0.811+/-1.654 χ^2/NDF: 24.7/27

Left Out: 3.171+/-1.562 χ^2/NDF:21.7/24

Right Out: 4.249+/-1.613 χ^2/NDF: 35.6/32

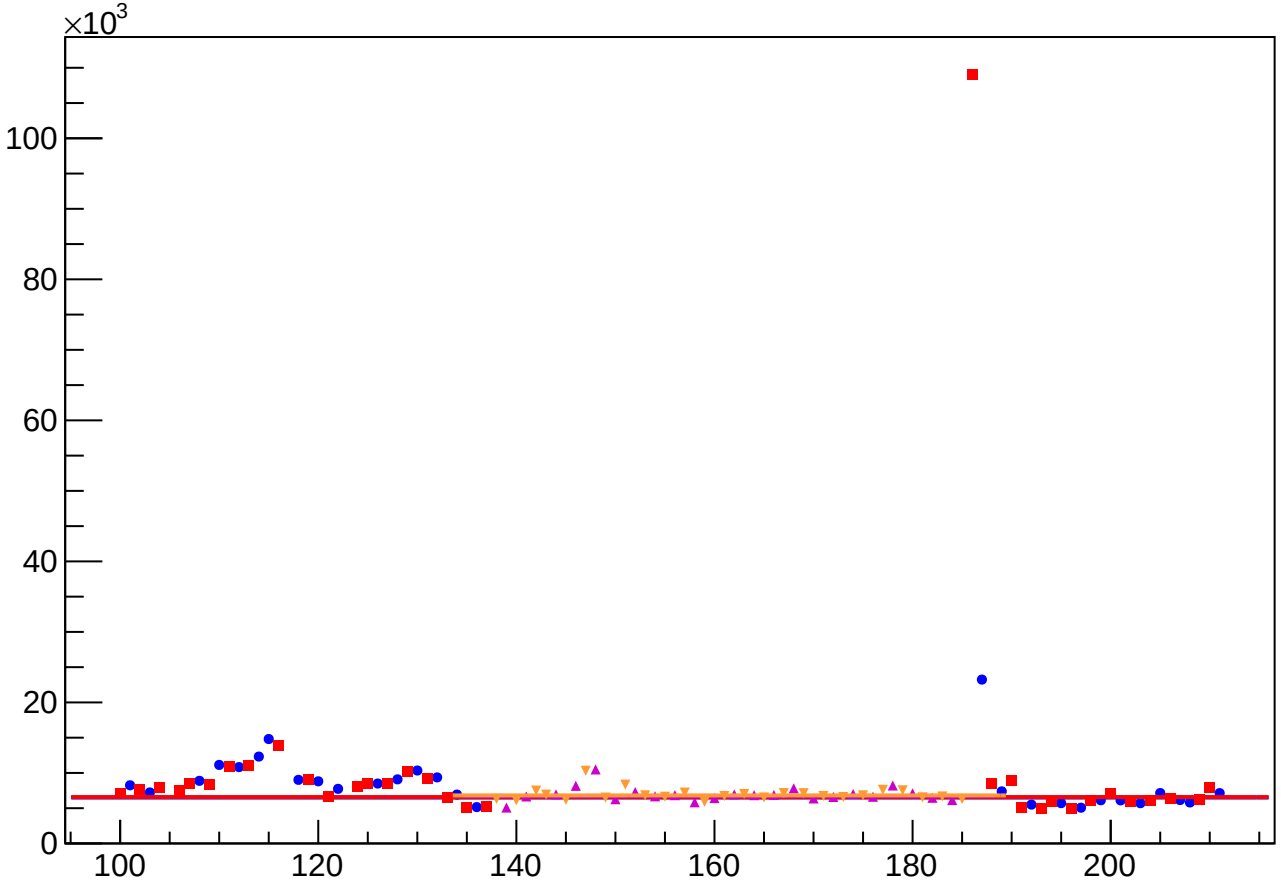
Left In: 0.269+/-1.590 χ^2/NDF:34.2/22

+ sign 2.059+/-1.136 χ^2/NDF: 47.4/52

All: 2.145+/-0.802 χ^2/NDF: 120.4/108

- sign 2.230+/-1.132 χ^2/NDF: 72.9/55

diff_bpm4acY_rms vs Slug



Right In: 6517.954+/-1.170 χ^2/NDF: 1712384.3/27

Left Out: 6812.964+/-1.104 χ^2/NDF:394620.8/24

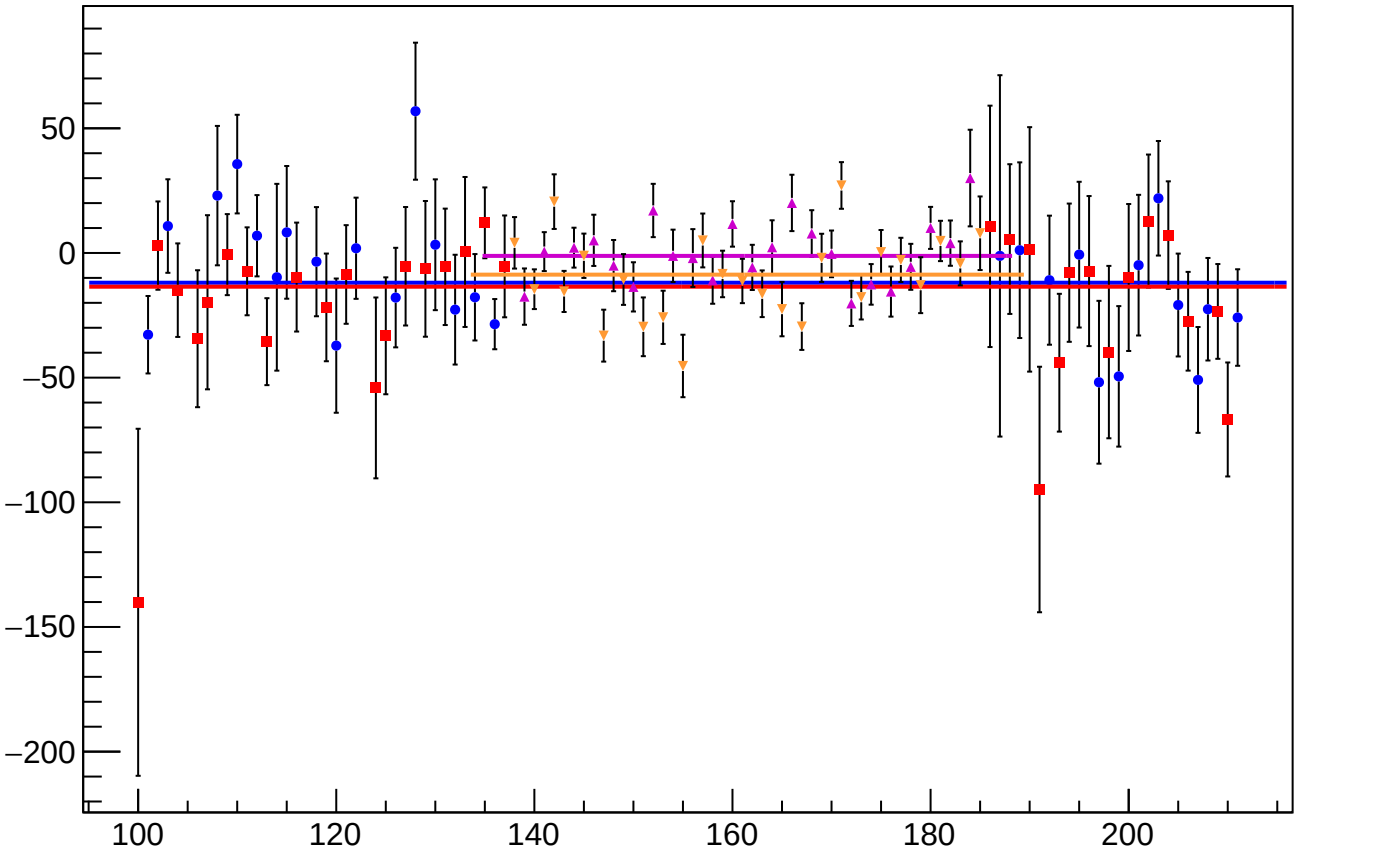
Right Out: 6571.150+/-1.141 χ^2/NDF: 2380390.2/32

Left In: 6727.864+/-1.124 χ^2/NDF:610037.3/22

+ sign 6673.920+/-0.803 χ^2/NDF: 2140637.0/52

All: 6662.243+/-0.567 χ^2/NDF: 5141059.2/10

- sign 6650.631+/-0.801 χ^2/NDF: 3000000.4/55



Right In: -11.931+/-4.024 χ^2/NDF: 34.0/27

Left Out: -8.692+/-1.936 χ^2/NDF:61.4/24

Right Out: -13.527+/-4.072 χ^2/NDF: 26.7/32

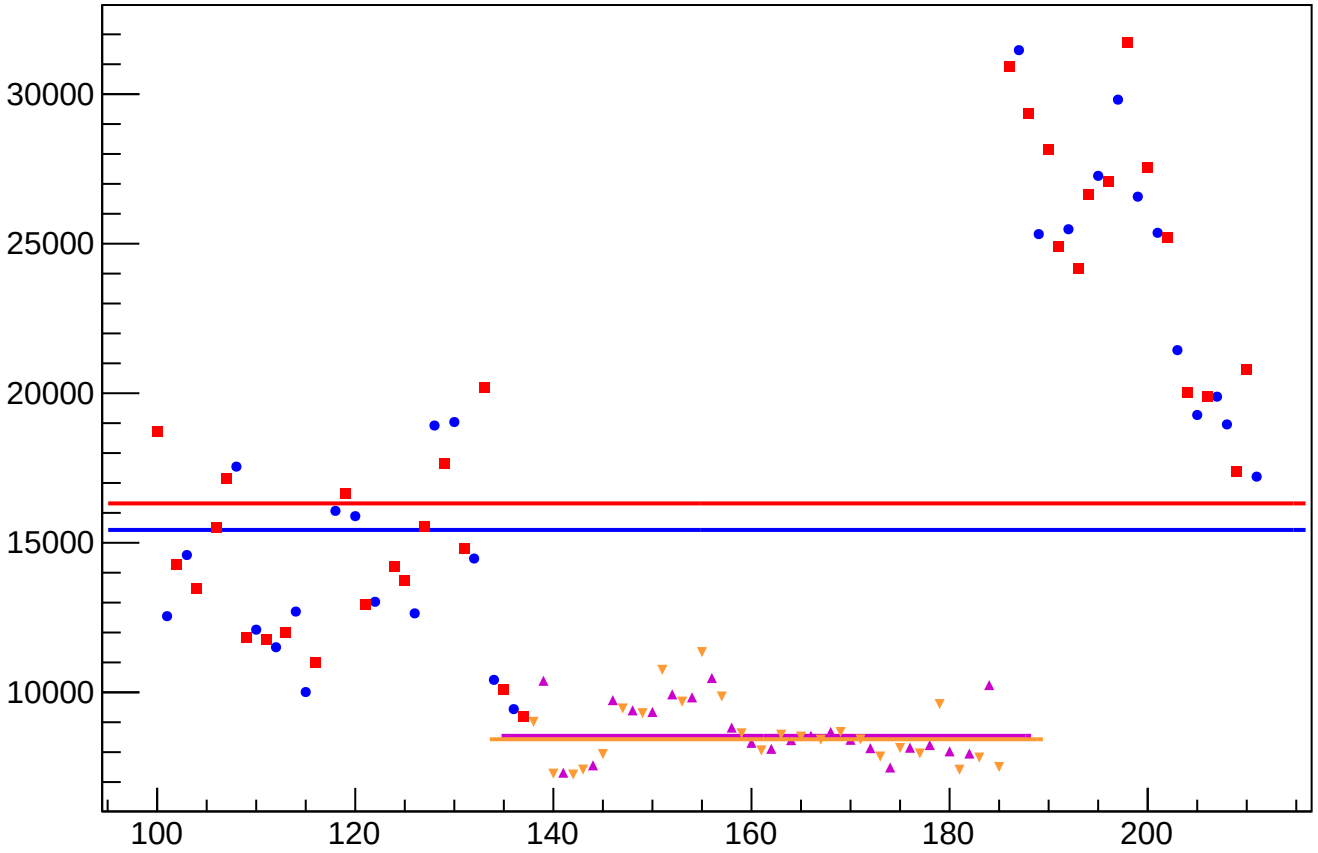
Left In: -1.174+/-2.012 χ^2/NDF:28.6/22

+ sign -9.301+/-1.745 χ^2/NDF: 95.9/52

All: -6.546+/-1.254 χ^2/NDF: 163.7/108

- sign -3.599+/-1.804 χ^2/NDF: 62.7/55

diff_bpm4ecX_rms vs Slug



Right In: 15430.007+/-2.845 χ^2/NDF: 3574576.7/27

Left Out: 8430.683+/-1.369 χ^2/NDF:484653.2/24

Right Out: 16316.544+/-2.879 χ^2/NDF: 3918092.9/32

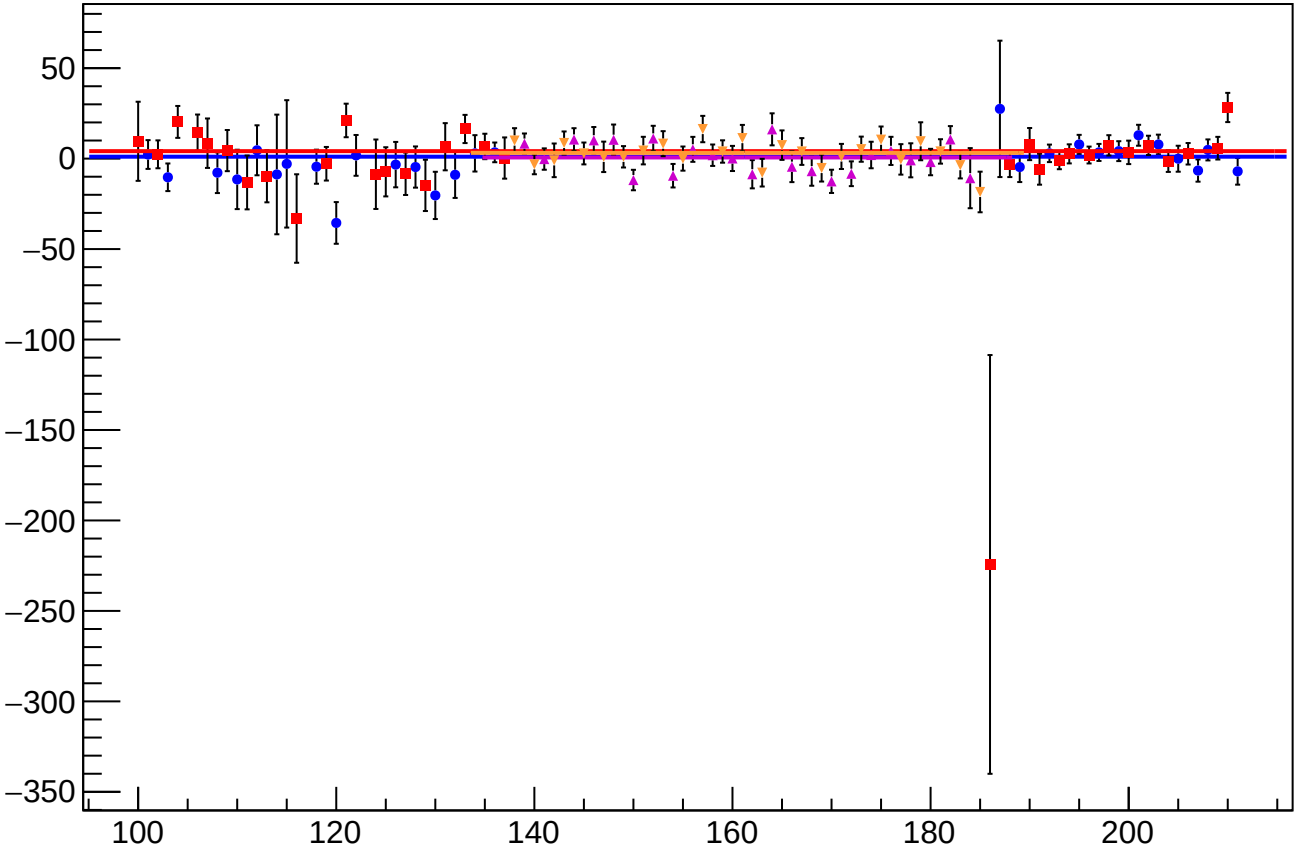
Left In: 8545.534+/-1.423 χ^2/NDF:389747.0/22

+ sign 9746.657+/-1.234 χ^2/NDF: 8973437.5/52

All: 9903.474+/-0.887 χ^2/NDF: 19169823.5/1

- sign 10071.148+/-1.276 χ^2/NDF: 10162951.3/55

diff_bpm4ecY_mean vs Slug



Right In: 1.064+/-1.448 χ^2/NDF: 30.2/27

Left Out: 3.185+/-1.435 χ^2/NDF:18.7/24

Right Out: 4.123+/-1.392 χ^2/NDF: 38.3/32

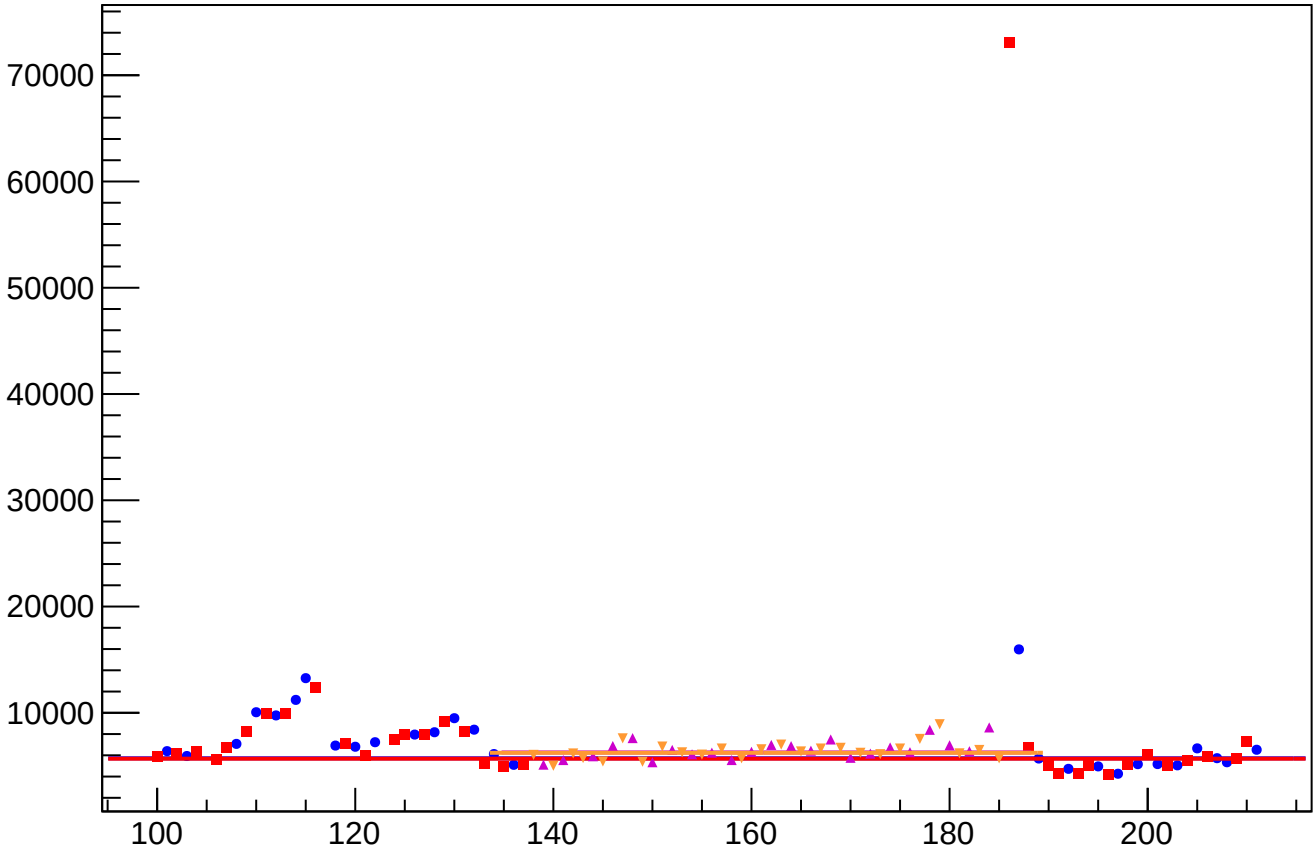
Left In: 0.633+/-1.482 χ^2/NDF:31.8/22

+ sign 2.134+/-1.019 χ^2/NDF: 49.9/52

All: 2.312+/-0.719 χ^2/NDF: 123.1/108

- sign 2.488+/-1.014 χ^2/NDF: 73.1/55

diff_bpm4ecY_rms vs Slug



Right In: 5717.896+/-1.024 χ^2/NDF: 1625571.3/27

Left Out: 6237.931+/-1.015 χ^2/NDF:507726.8/24

Right Out: 5682.683+/-0.984 χ^2/NDF: 2361570.9/32

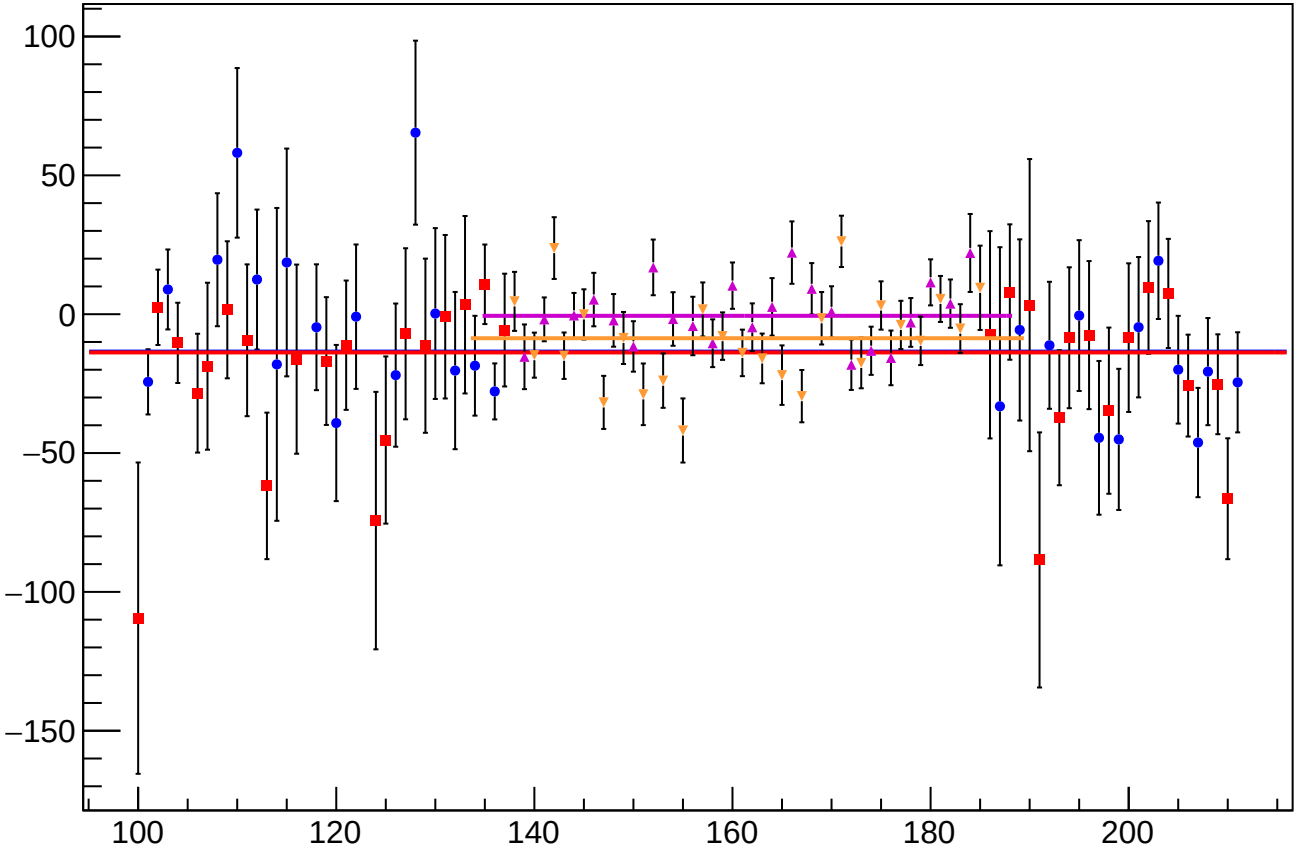
Left In: 6268.263+/-1.048 χ^2/NDF:524326.6/22

+ sign 5980.284+/-0.721 χ^2/NDF: 2263467.5/52

All: 5968.643+/-0.508 χ^2/NDF: 5315860.6/10

- sign 5957.111+/-0.717 χ^2/NDF: 3051873.6/55

diff_bpm1X_mean vs Slug



Right In: -13.469+/-4.018 χ^2/NDF: 30.9/27

Left Out: -8.650+/-1.875 χ^2/NDF:63.0/24

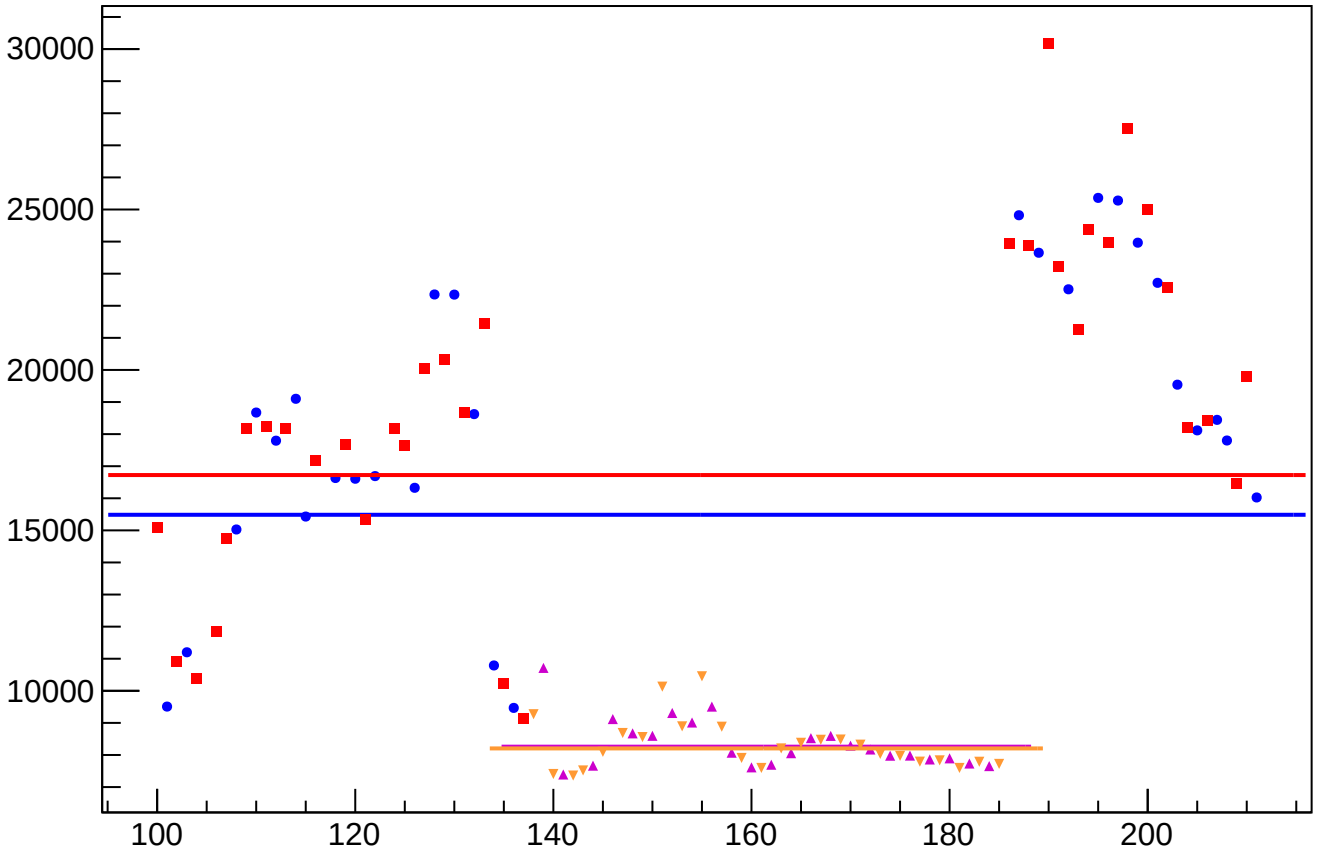
Right Out: -13.770+/-4.123 χ^2/NDF: 29.1/32

Left In: -0.583+/-1.939 χ^2/NDF:28.5/22

+ sign -9.512+/-1.699 χ^2/NDF: 95.1/52

All: -6.346+/-1.221 χ^2/NDF: 168.2/108

- sign -2.971+/-1.755 χ^2/NDF: 65.9/55



Right In: 15486.019+/-2.841 χ^2/NDF: 3273097.5/27

Left Out: 8204.502+/-1.326 χ^2/NDF:272958.7/24

Right Out: 16724.316+/-2.915 χ^2/NDF: 3150750.0/32

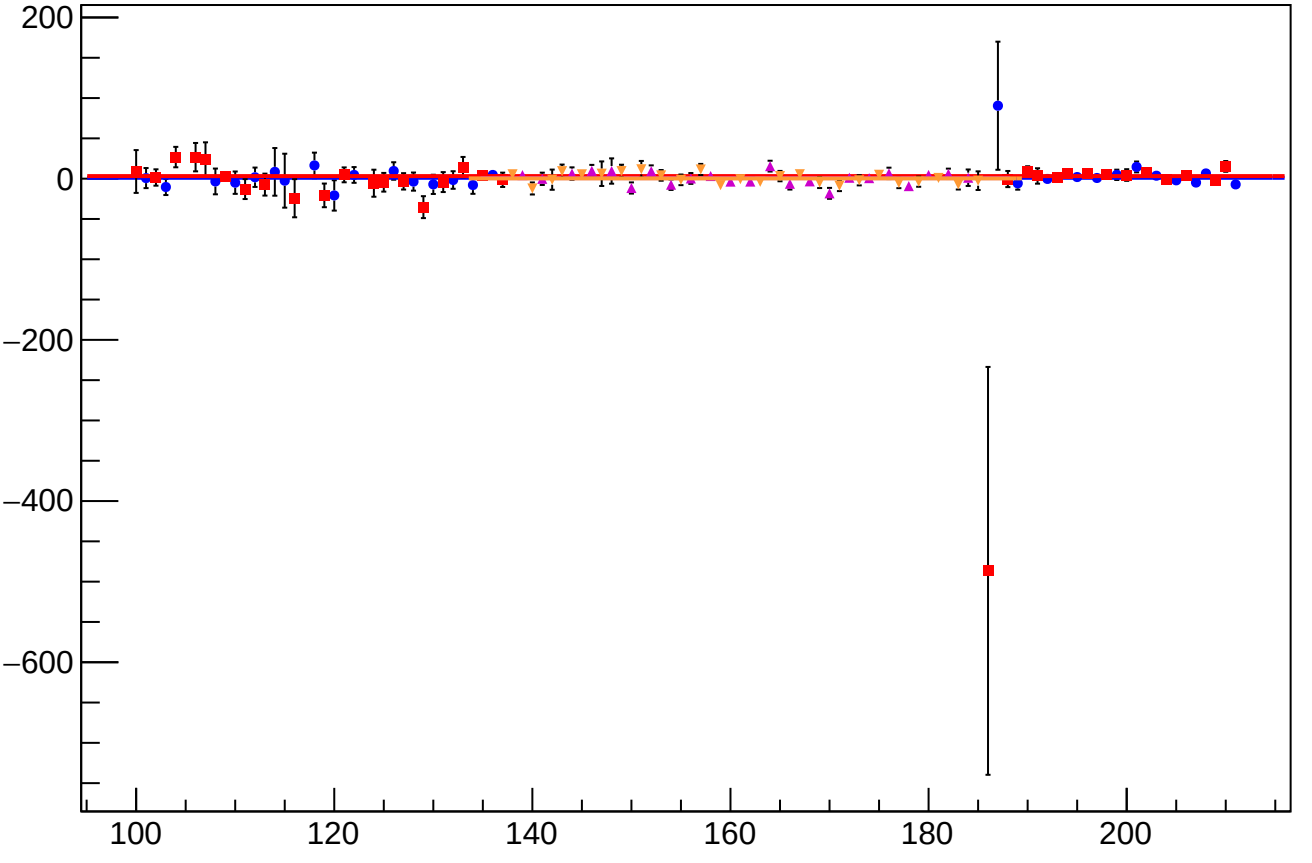
Left In: 8259.162+/-1.371 χ^2/NDF:257333.8/22

+ sign 9506.564+/-1.202 χ^2/NDF: 8939237.3/52

All: 9644.788+/-0.863 χ^2/NDF: 19279155.6/1

- sign 9792.160+/-1.241 χ^2/NDF: 10312572.7/55

diff_bpm1Y_mean vs Slug



Right In: 1.108+/-1.441 χ^2/NDF: 18.0/27

Left Out: 0.353+/-1.322 χ^2/NDF:21.5/24

Right Out: 3.186+/-1.364 χ^2/NDF: 34.0/32

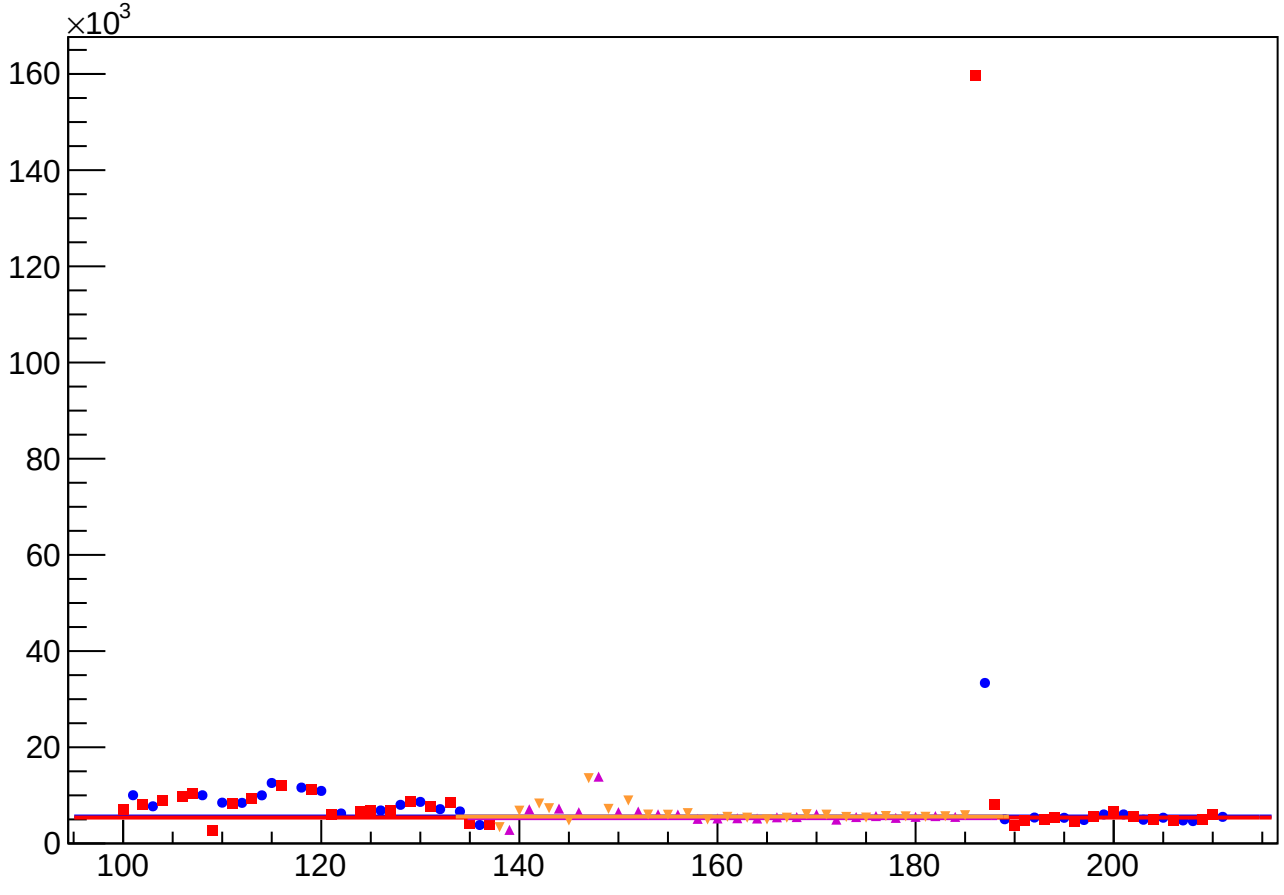
Left In: 0.709+/-1.291 χ^2/NDF:29.9/22

+ sign 0.698+/-0.974 χ^2/NDF: 39.7/52

All: 1.311+/-0.676 χ^2/NDF: 106.1/108

- sign 1.880+/-0.938 χ^2/NDF: 65.7/55

diff_bpm1Y_rms vs Slug



Right In: 5600.646+/-1.019 χ^2/NDF: 2435246.3/27

Left Out: 5594.503+/-0.935 χ^2/NDF:1784259.1/24

Right Out: 5385.132+/-0.965 χ^2/NDF: 3815411.8/32

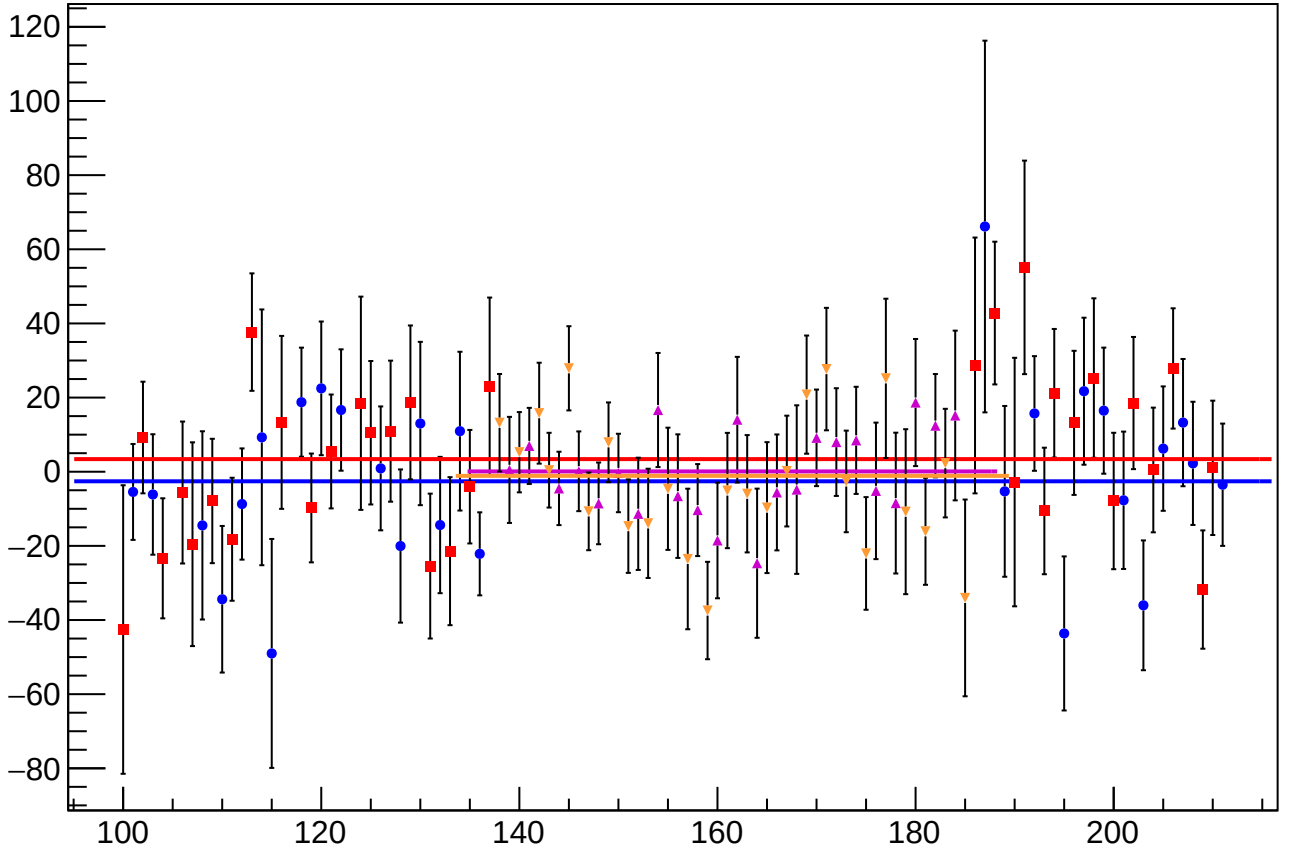
Left In: 5262.754+/-0.913 χ^2/NDF:2425604.2/22

+ sign 5597.310+/-0.689 χ^2/NDF: 4219525.2/52

All: 5453.695+/-0.478 χ^2/NDF: 10552806.2/1

- sign 5320.575+/-0.663 χ^2/NDF: 6249504.6/55

diff_bpm11X_mean vs Slug



Right In: -2.581+/-3.372 χ^2/NDF: 30.9/27

Left Out: -1.111+/-2.813 χ^2/NDF:33.8/24

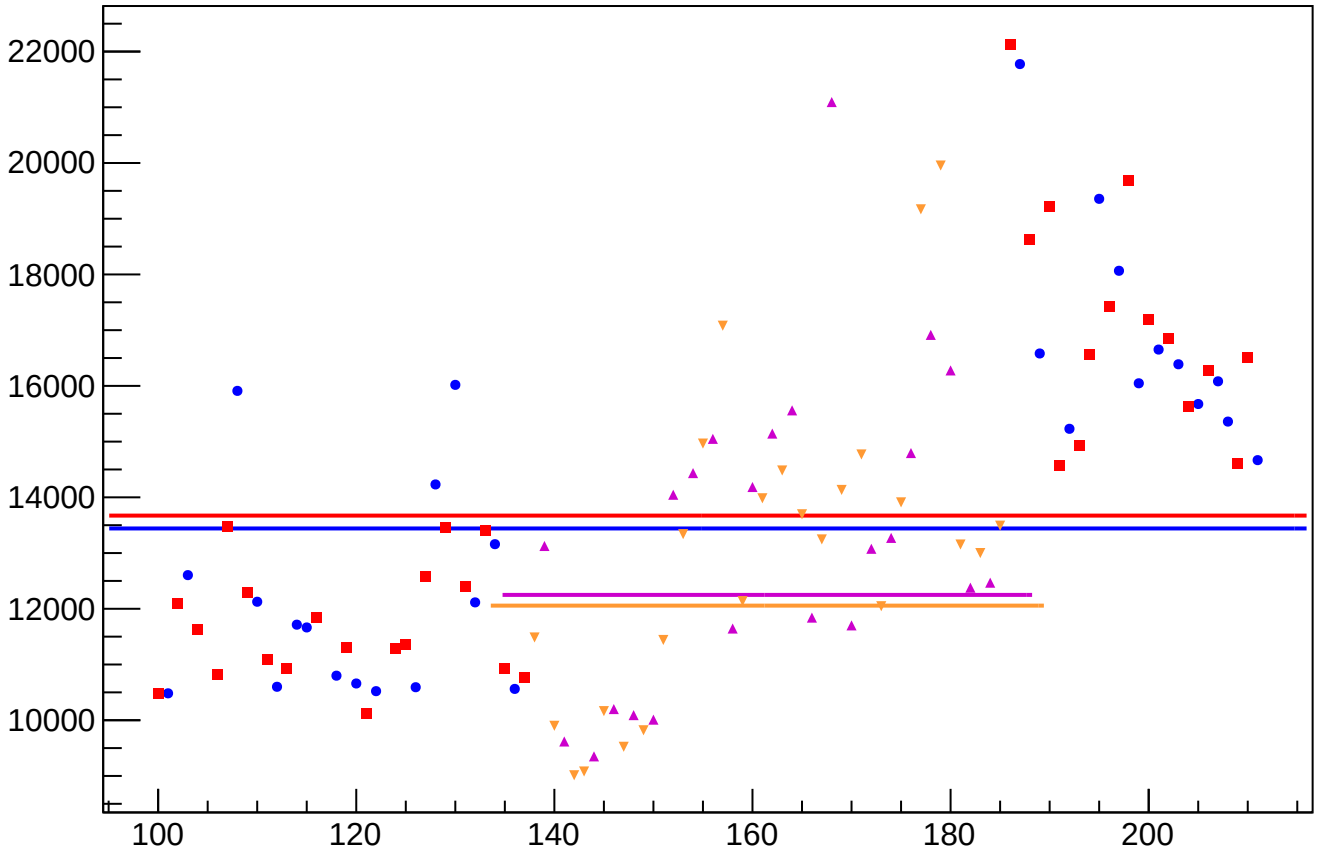
Right Out: 3.404+/-3.287 χ^2/NDF: 38.0/32

Left In: 0.084+/-2.926 χ^2/NDF:11.5/22

\+ sign -1.714+/-2.160 χ^2/NDF: 64.8/52

All: -0.100+/-1.536 χ^2/NDF: 116.0/108

\- sign 1.552+/-2.186 χ^2/NDF: 50.1/55



Right In: 13441.330+/-2.384 χ^2/NDF: 1302494.0/27

Left Out: 12056.714+/-1.989 χ^2/NDF:1561738.9/24

Right Out: 13672.216+/-2.324 χ^2/NDF: 1436003.8/32

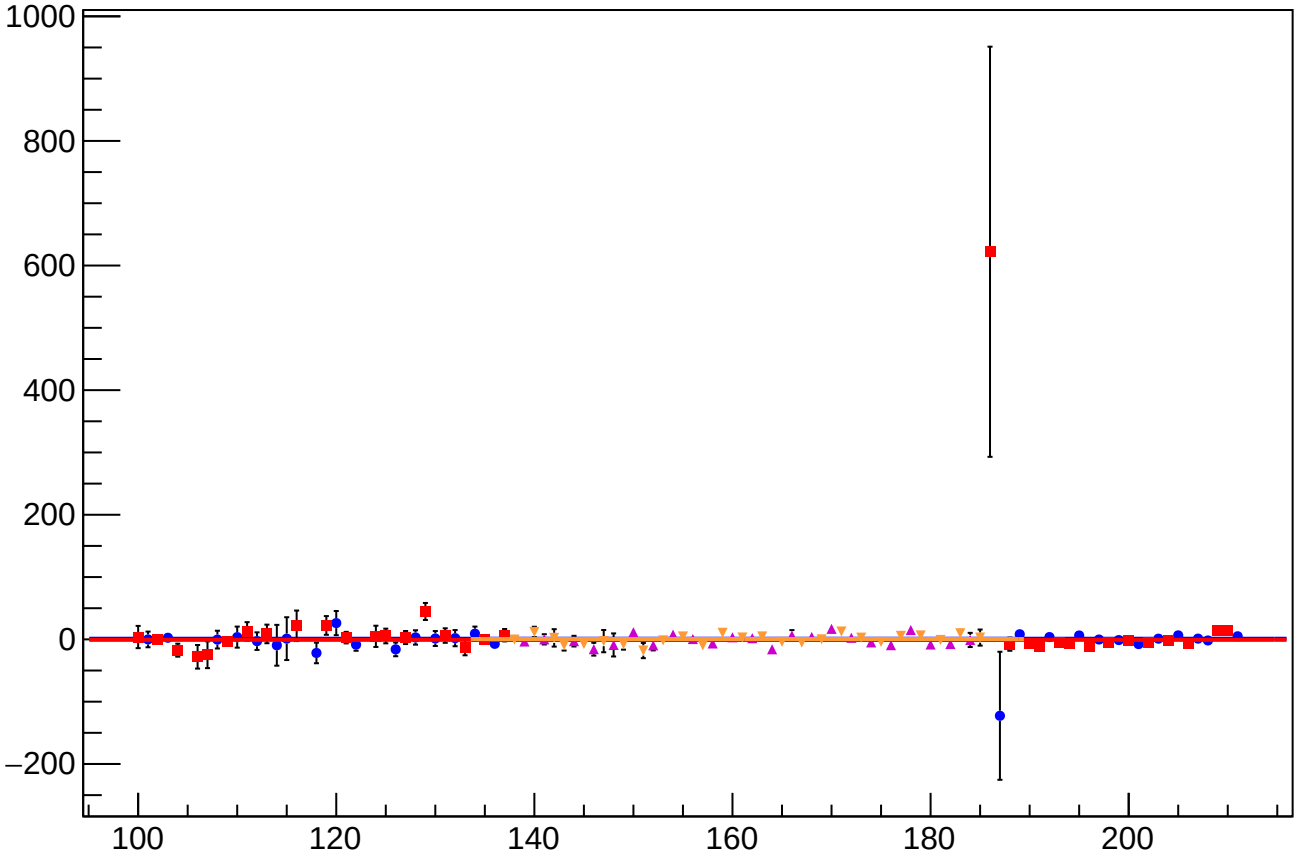
Left In: 12249.109+/-2.069 χ^2/NDF:1416030.4/22

+ sign 12624.884+/-1.527 χ^2/NDF: 3063060.1/52

All: 12750.098+/-1.086 χ^2/NDF: 6137818.6/1

- sign 12878.295+/-1.546 χ^2/NDF: 3061158.2/55

diff_bpm11Y_mean vs Slug



Right In: 1.021+/-1.207 χ^2/NDF: 21.4/27

Left Out: 0.526+/-1.369 χ^2/NDF:21.4/24

Right Out: -0.772+/-1.167 χ^2/NDF: 71.0/32

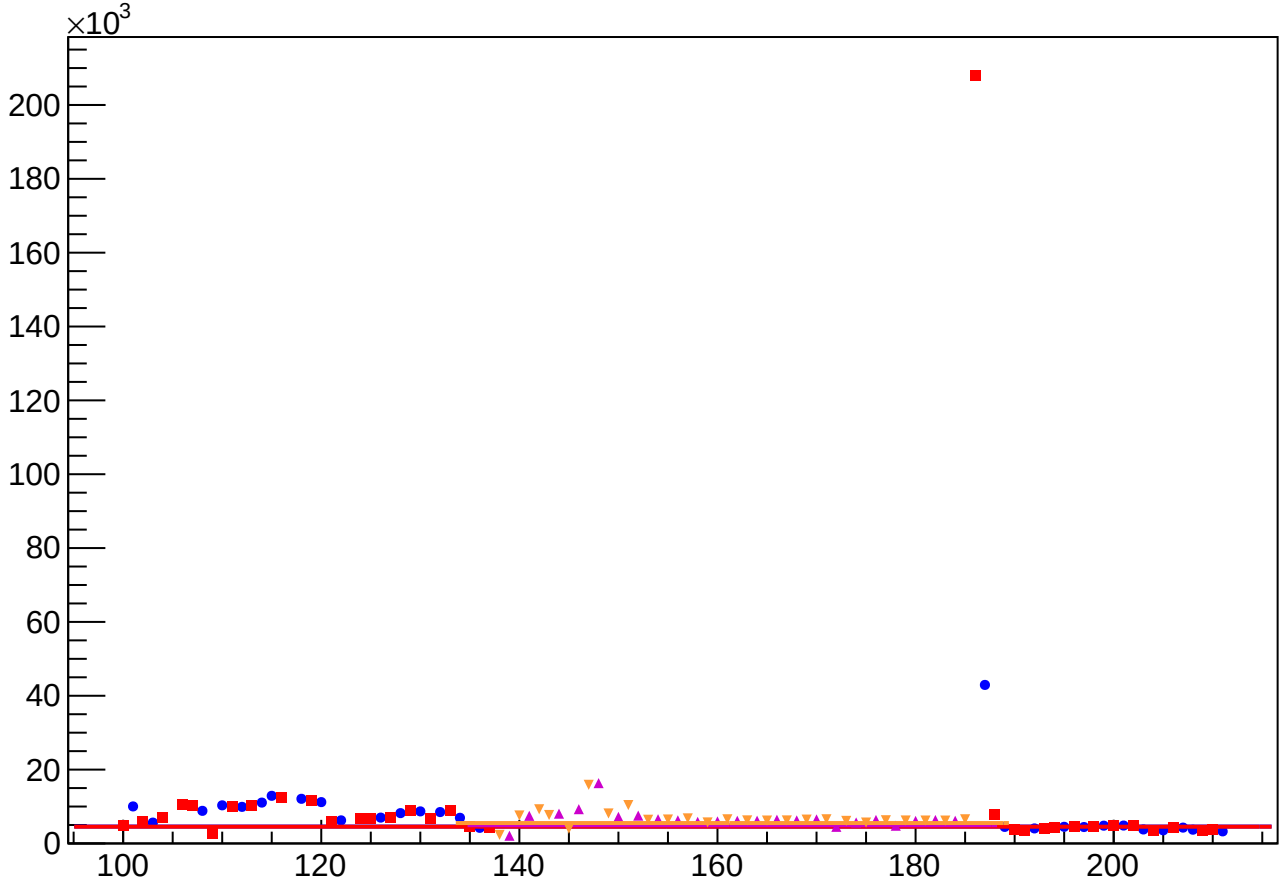
Left In: -0.946+/-1.294 χ^2/NDF:32.2/22

+ sign 0.804+/-0.905 χ^2/NDF: 42.9/52

All: -0.059+/-0.626 χ^2/NDF: 147.8/108

- sign -0.850+/-0.867 χ^2/NDF: 103.2/55

diff_bpm11Y_rms vs Slug



Right In: 4581.222+/-0.854 χ^2/NDF: 3706243.4/27

Left Out: 5527.971+/-0.968 χ^2/NDF:4375722.1/24

Right Out: 4536.659+/-0.825 χ^2/NDF: 4226844.4/32

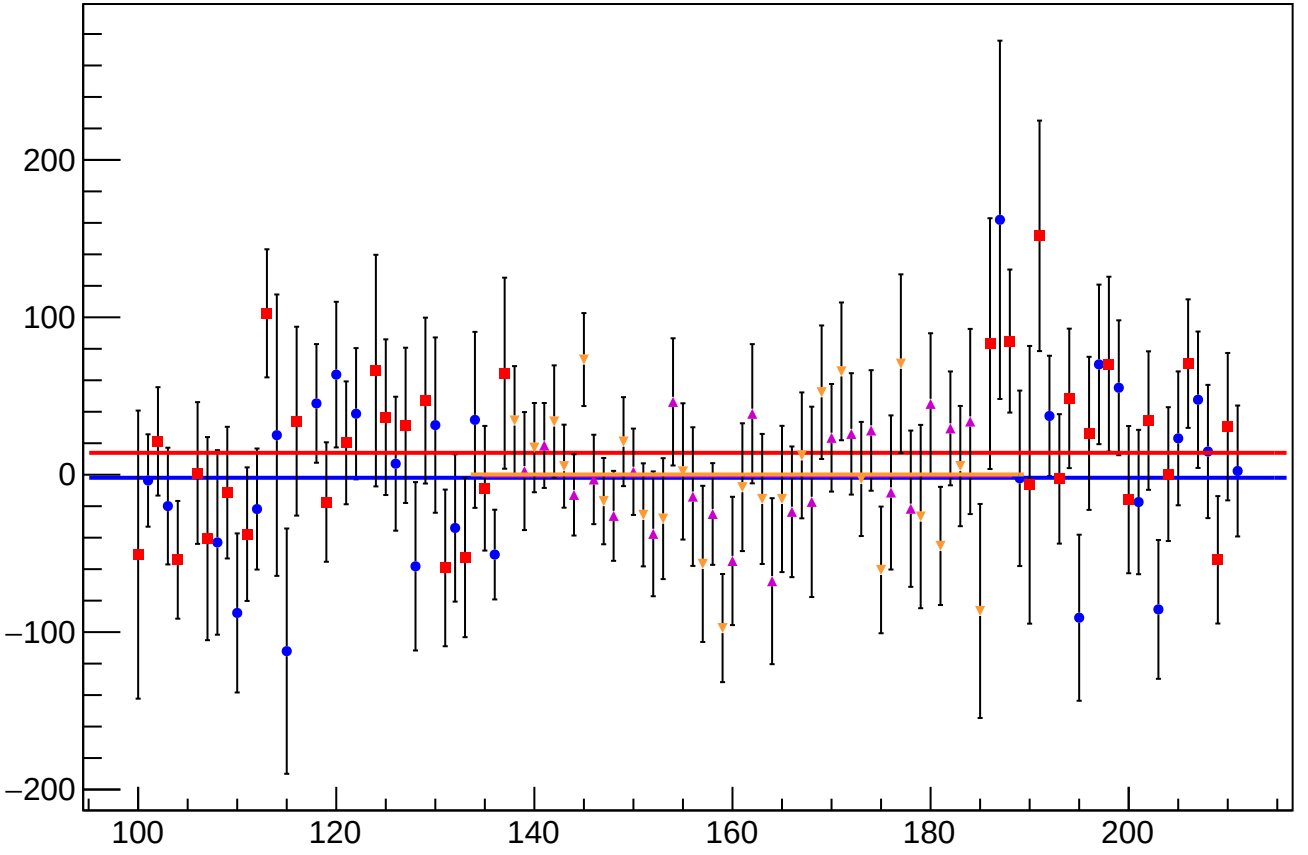
Left In: 4941.993+/-0.915 χ^2/NDF:5936108.3/22

+ sign 4995.422+/-0.640 χ^2/NDF: 8620226.4/52

All: 4850.898+/-0.443 χ^2/NDF: 18989050.5/1

- sign 4718.429+/-0.613 χ^2/NDF: 10271138.7/55

diff_bpm12X_mean vs Slug



Right In: -1.943+/-8.421 χ^2/NDF: 31.1/27

Left Out: 0.168+/-7.375 χ^2/NDF:31.1/24

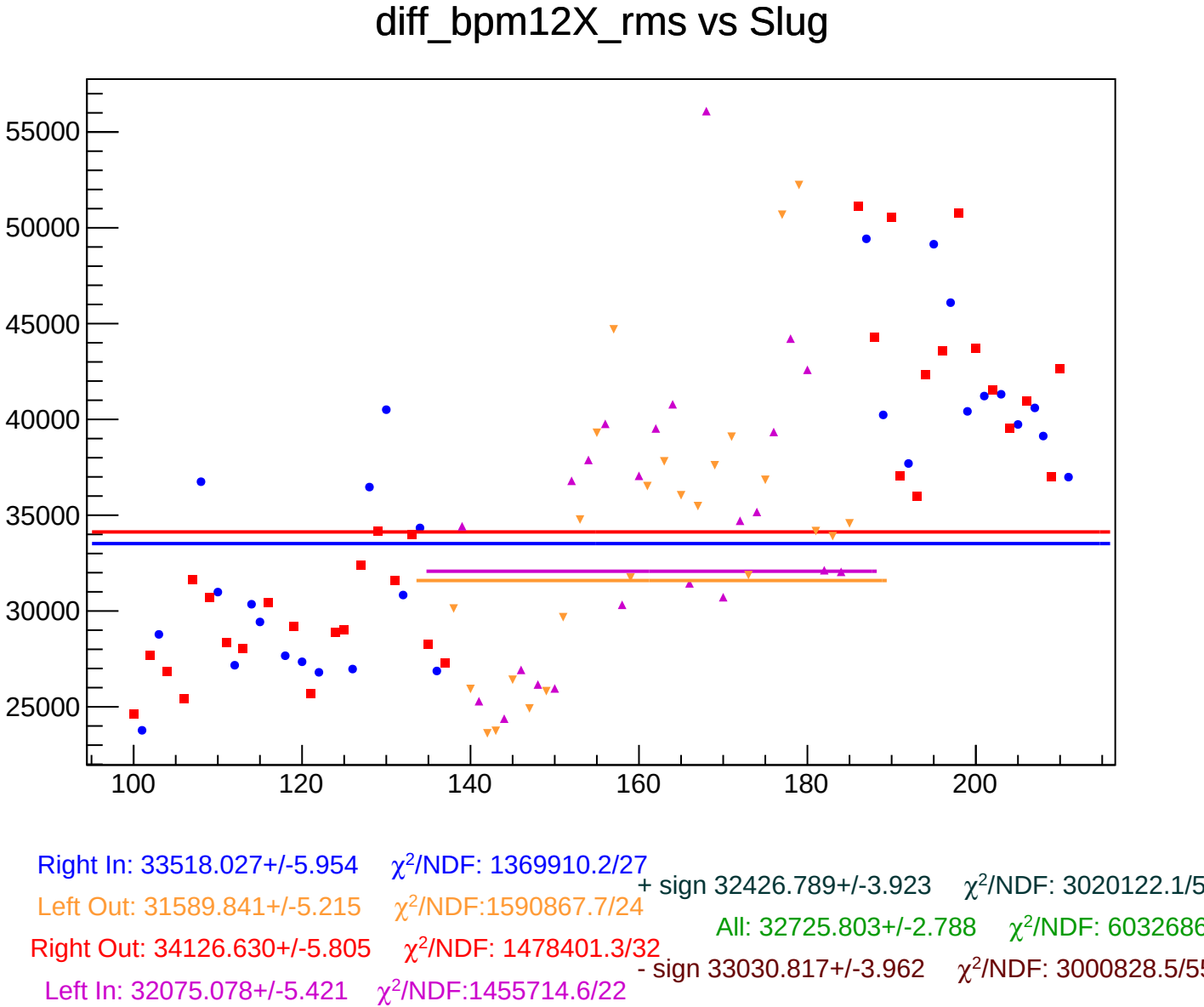
Right Out: 13.914+/-8.210 χ^2/NDF: 32.4/32

Left In: -0.586+/-7.667 χ^2/NDF:12.8/22

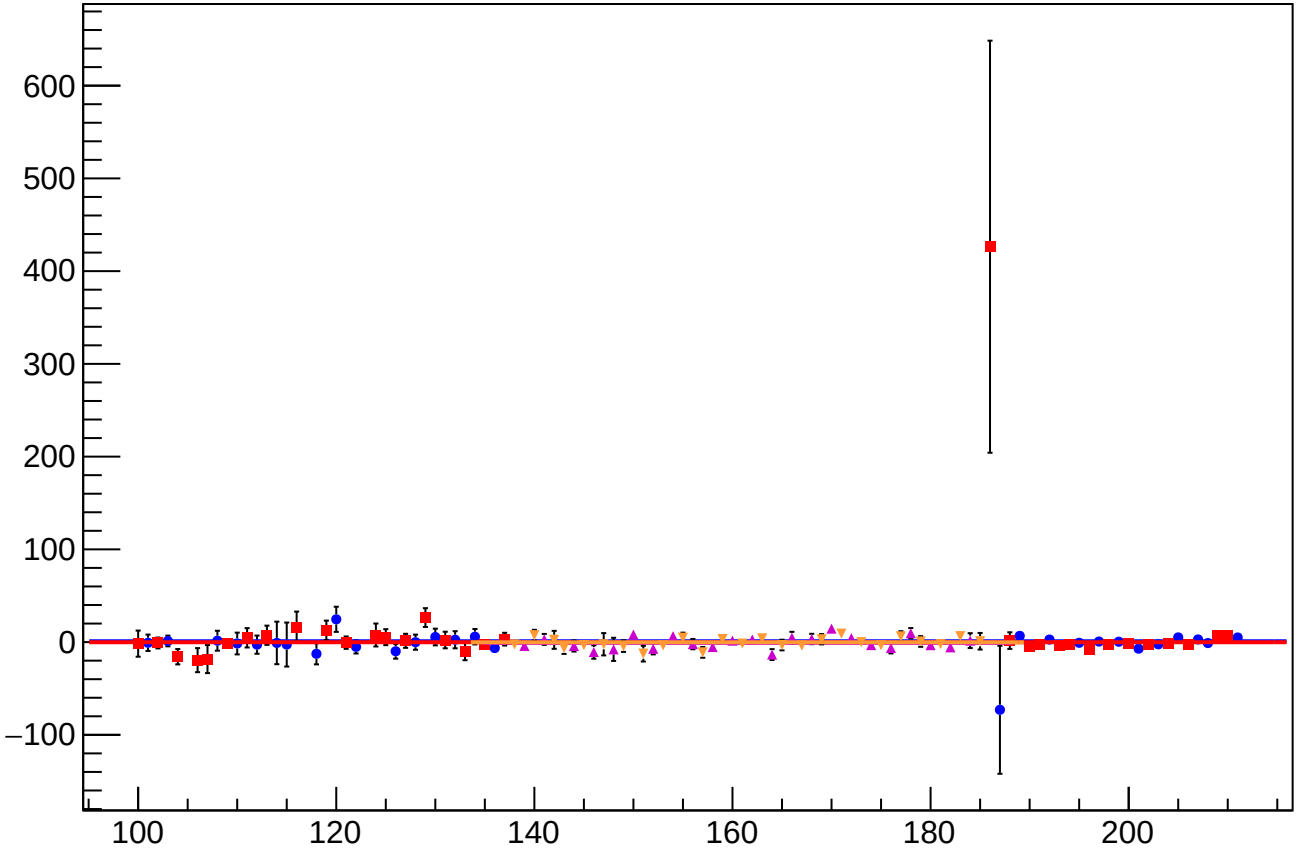
+ sign -0.749+/-5.548 χ^2/NDF: 62.3/52

All: 2.676+/-3.942 χ^2/NDF: 110.0/108

- sign 6.169+/-5.603 χ^2/NDF: 46.9/55


diff_bpm12X_rms vs Slug
55000
50000
45000
40000
35000
30000
25000
100
120
140
160
180
200
Right In: 33518.027+/-5.954 χ²/NDF: 1369910.2/27
Left Out: 31589.841+/-5.215 χ²/NDF:1590867.7/24
Right Out: 34126.630+/-5.805 χ²/NDF: 1478401.3/32
Left In: 32075.078+/-5.421 χ²/NDF:1455714.6/22
+ sign 32426.789+/-3.923 χ²/NDF: 3020122.1/52
All: 32725.803+/-2.788 χ²/NDF: 6032686.3/1
- sign 33030.817+/-3.962 χ²/NDF: 3000828.5/55

diff_bpm12Y_mean vs Slug



Right In: 0.896+/-0.724 χ^2/NDF: 33.4/27

Left Out: -0.226+/-1.094 χ^2/NDF:19.9/24

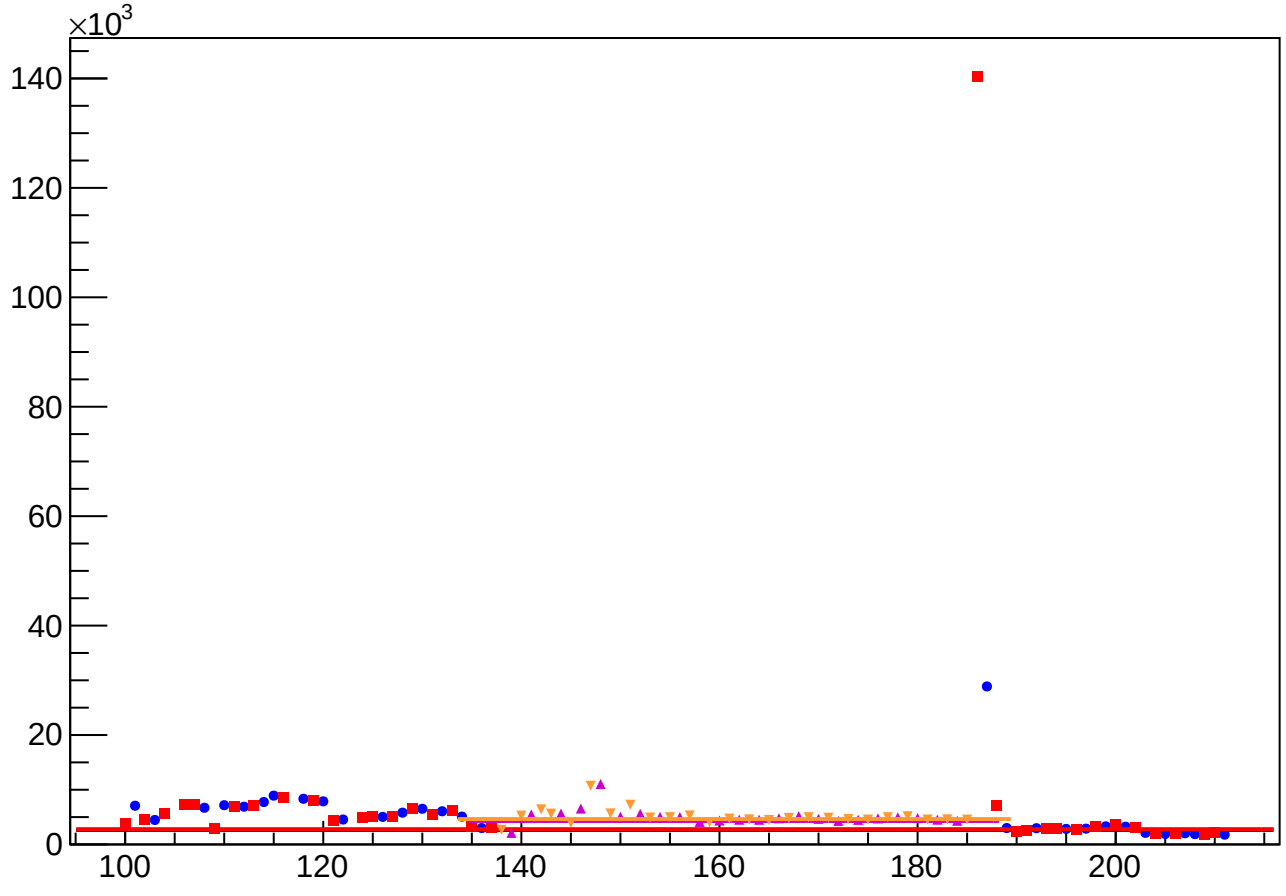
Right Out: -0.131+/-0.736 χ^2/NDF: 56.7/32

Left In: -0.788+/-1.061 χ^2/NDF:33.8/22

+ sign 0.554+/-0.604 χ^2/NDF: 54.0/52

All: 0.106+/-0.427 χ^2/NDF: 145.8/108

- sign -0.345+/-0.605 χ^2/NDF: 90.7/55



Right In: 2647.083+/-0.512 χ^2/NDF: 5786099.4/27

Left Out: 4637.399+/-0.774 χ^2/NDF:1763103.2/24

Right Out: 2791.485+/-0.521 χ^2/NDF: 6120230.8/32

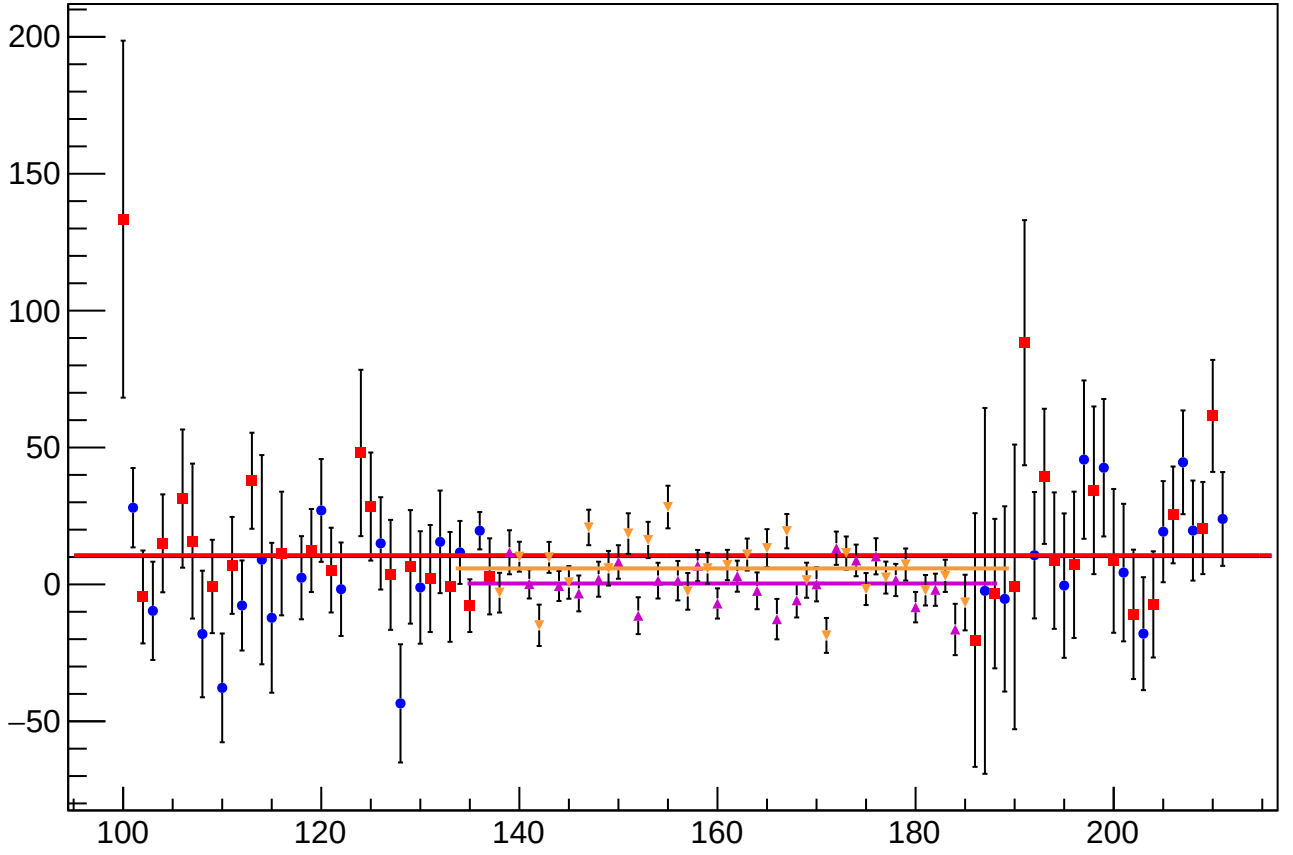
Left In: 4295.074+/-0.750 χ^2/NDF:3095610.0/22

+ sign 3253.117+/-0.427 χ^2/NDF: 12153888.1/52

All: 3266.843+/-0.302 χ^2/NDF: 24083634.7/1

- sign 3280.629+/-0.428 χ^2/NDF: 11927673.8/55

diff_bpm16X_mean vs Slug



Right In: 10.345+/-3.301 χ^2/NDF: 32.0/27

Left Out: 5.849+/-1.257 χ^2/NDF:60.0/24

Right Out: 10.672+/-3.473 χ^2/NDF: 29.8/32

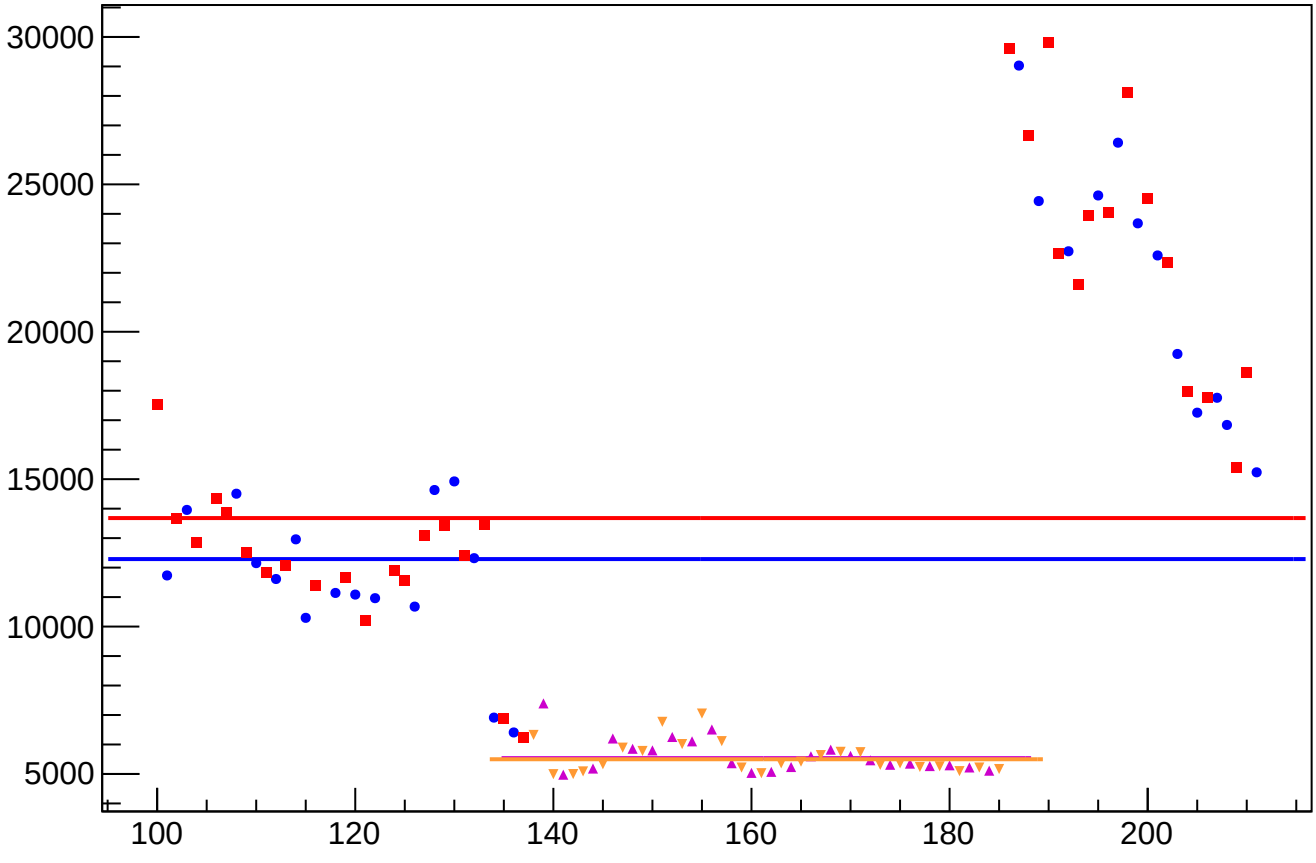
Left In: 0.337+/-1.301 χ^2/NDF:29.4/22

+ sign 6.419+/-1.175 χ^2/NDF: 93.6/52

All: 4.100+/-0.846 χ^2/NDF: 168.6/108

- sign 1.608+/-1.218 χ^2/NDF: 66.9/55

diff_bpm16X_rms vs Slug



Right In: 12289.237+/-2.334 χ^2/NDF: 5260599.5/27

Left Out: 5499.215+/-0.889 χ^2/NDF:297719.4/24

Right Out: 13680.318+/-2.456 χ^2/NDF: 5028296.8/32

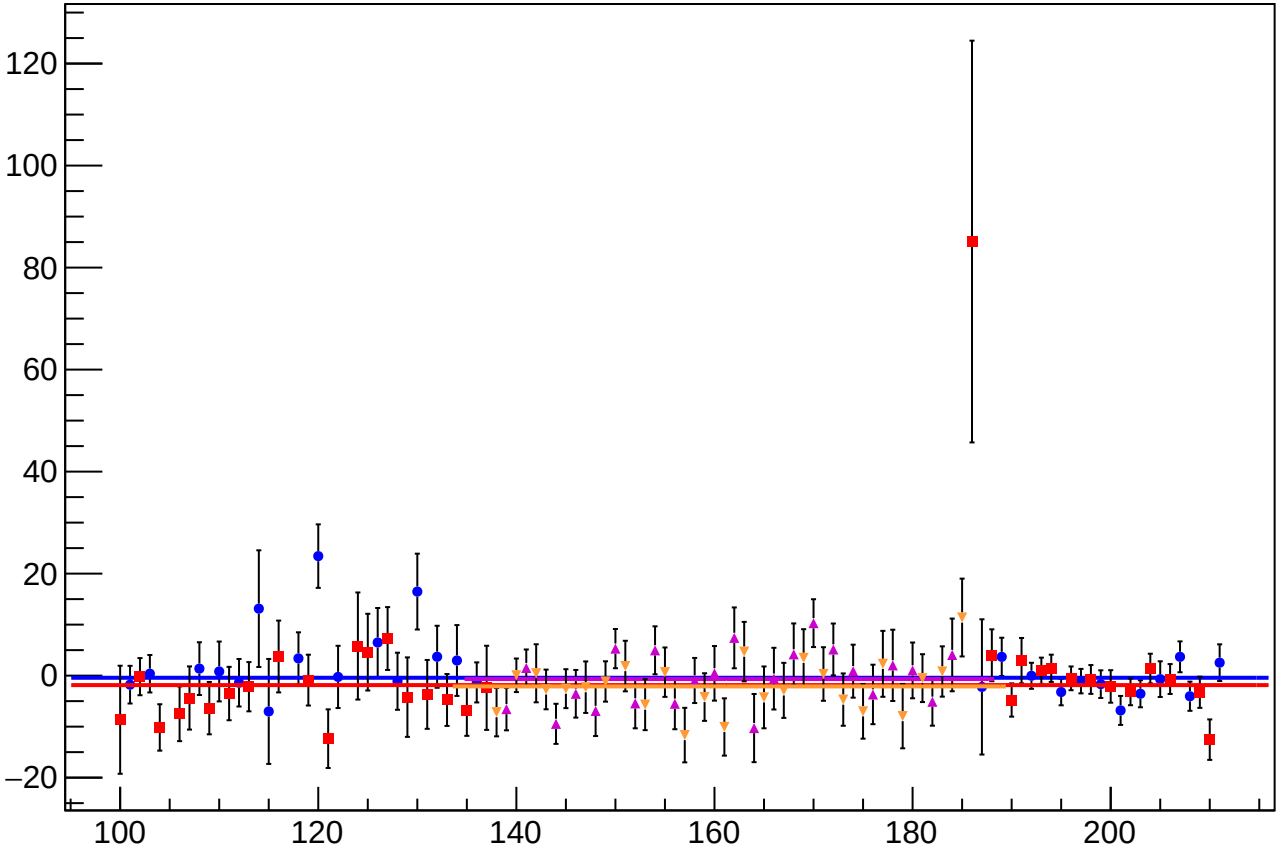
Left In: 5537.777+/-0.920 χ^2/NDF:304062.1/22

+ sign 6359.675+/-0.831 χ^2/NDF: 12948961.6/52

All: 6446.431+/-0.598 χ^2/NDF: 27946682.4/1

- sign 6539.667+/-0.861 χ^2/NDF: 14975101.3/55

diff_bpm16Y_mean vs Slug



Right In: -0.419+/-0.726 χ^2/NDF: 37.7/27

Left Out: -2.116+/-0.987 χ^2/NDF:17.5/24

Right Out: -1.857+/-0.703 χ^2/NDF: 35.6/32

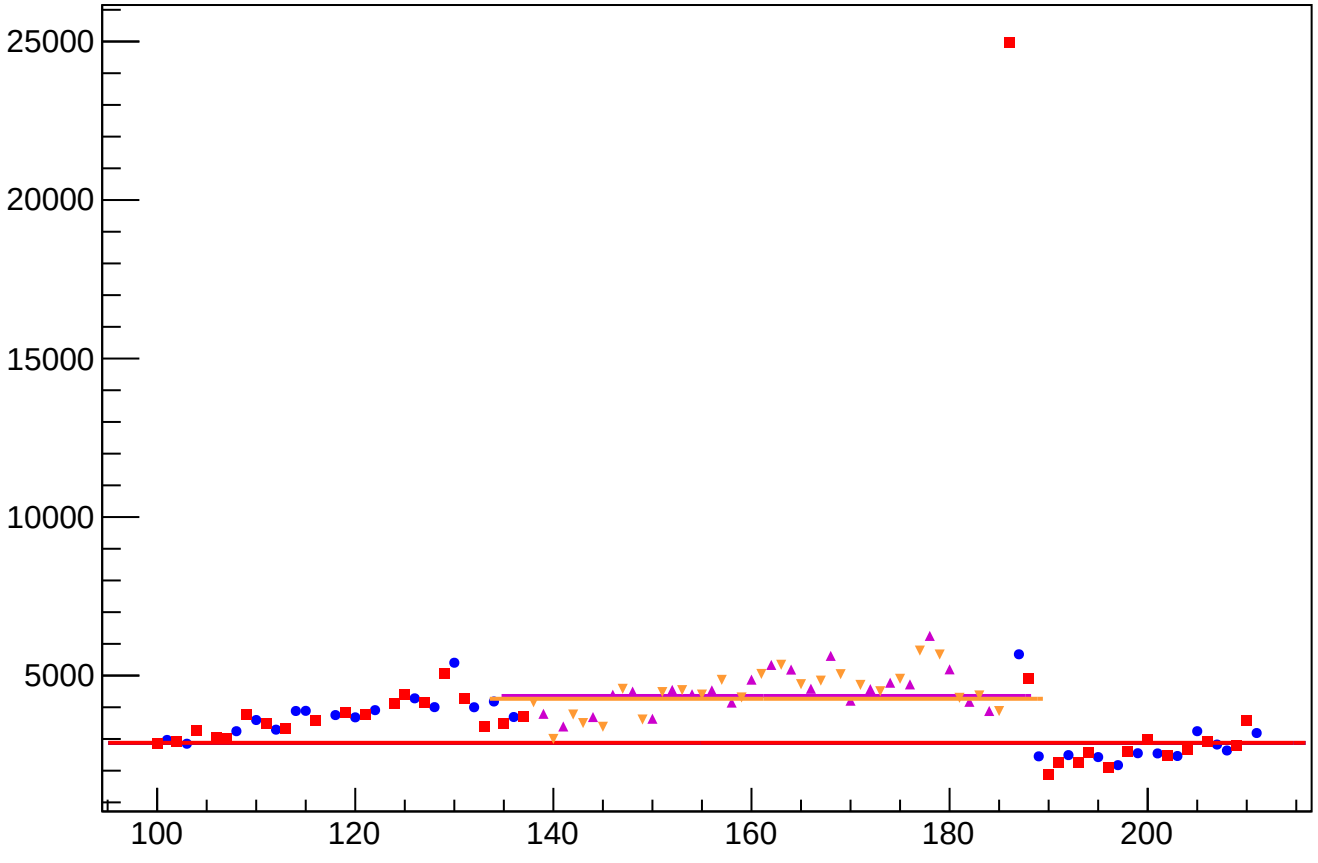
Left In: -0.670+/-1.031 χ^2/NDF:28.4/22

+ sign -1.014+/-0.585 χ^2/NDF: 57.1/52

All: -1.249+/-0.412 χ^2/NDF: 122.3/108

- sign -1.480+/-0.581 χ^2/NDF: 64.9/55

diff_bpm16Y_rms vs Slug



Right In: 2873.335+/-0.513 χ^2/NDF: 1414403.6/27

Left Out: 4267.631+/-0.698 χ^2/NDF:1034722.2/24

Right Out: 2878.373+/-0.497 χ^2/NDF: 2481718.3/32

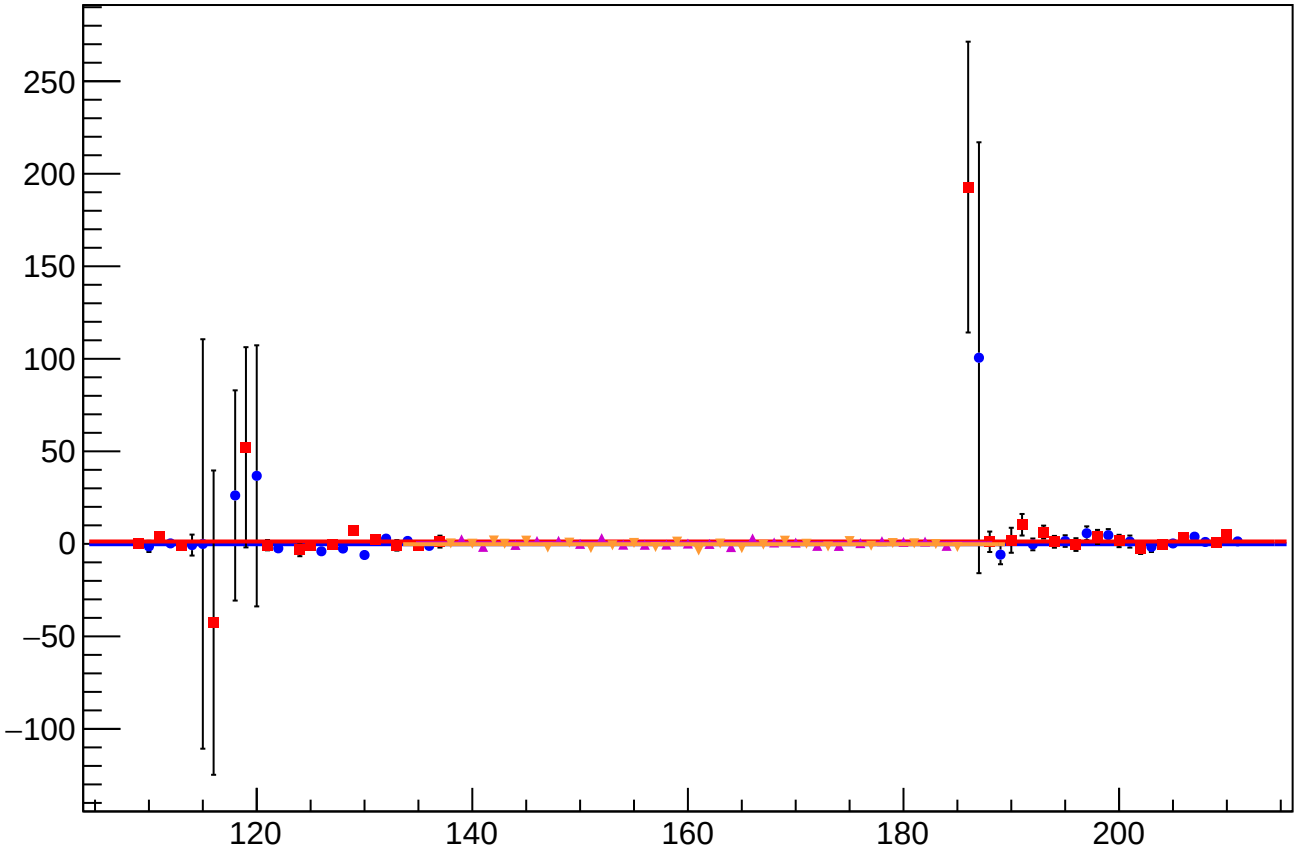
Left In: 4355.855+/-0.729 χ^2/NDF:743046.1/22

+ sign 3362.691+/-0.414 χ^2/NDF: 5038055.6/52

All: 3355.166+/-0.291 χ^2/NDF: 11066681.9/1

- sign 3347.741+/-0.411 χ^2/NDF: 6027968.7/55

diff_bpm1p02bX_mean vs Slug



Right In: -0.199+/-0.543 χ^2/NDF: 26.7/24

Left Out: -0.201+/-0.236 χ^2/NDF:33.9/24

Right Out: 1.281+/-0.540 χ^2/NDF: 30.9/27

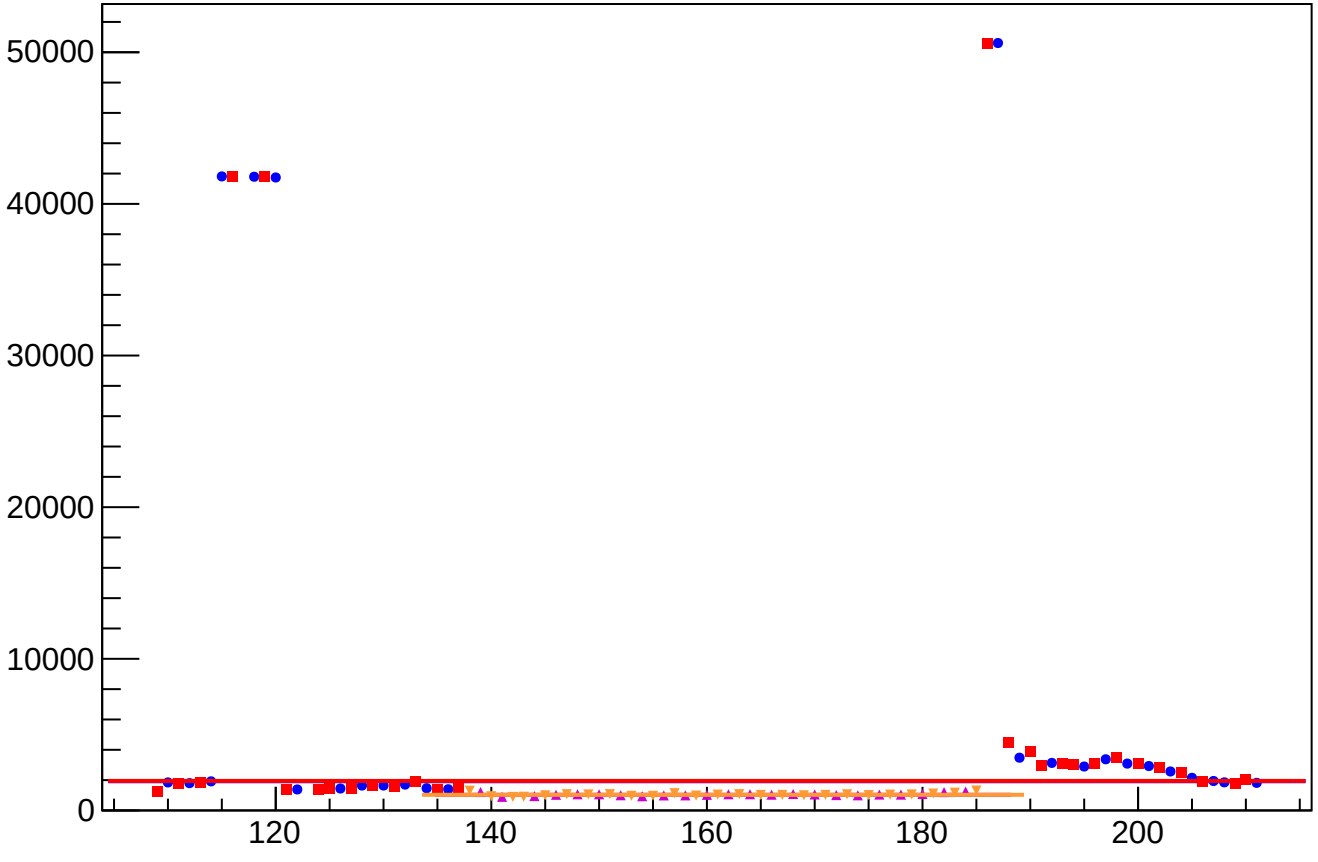
Left In: 0.333+/-0.242 χ^2/NDF:29.4/22

+ sign -0.201+/-0.216 χ^2/NDF: 60.7/49

All: 0.138+/-0.154 χ^2/NDF: 128.6/100

- sign 0.492+/-0.221 χ^2/NDF: 62.9/50

diff_bpm1p02bX_rms vs Slug



Right In: 1926.161+/-0.384 χ^2/NDF: 4395864.2/24

Left Out: 1031.473+/-0.167 χ^2/NDF:244095.3/24

Right Out: 1948.070+/-0.382 χ^2/NDF: 5365270.8/27

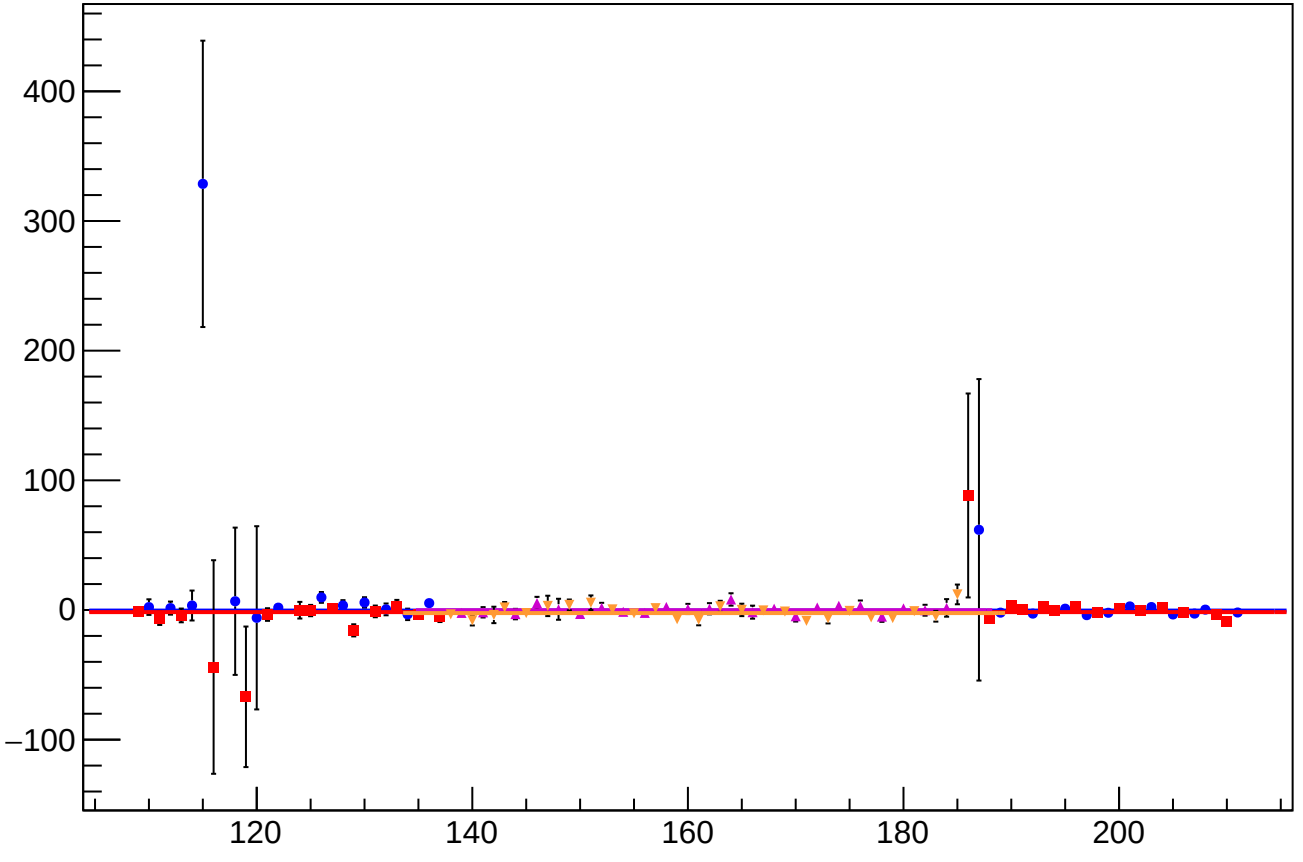
Left In: 1032.715+/-0.171 χ^2/NDF:187148.3/22

+ sign 1173.327+/-0.153 χ^2/NDF: 9216716.2/49

All: 1179.432+/-0.109 χ^2/NDF: 19552138.3/1

- sign 1185.820+/-0.156 χ^2/NDF: 10332153.8/50

diff_bpm1p02bY_mean vs Slug



Right In: -0.459+/-0.486 χ^2/NDF: 45.3/24

Left Out: -2.380+/-0.782 χ^2/NDF:24.3/24

Right Out: -1.632+/-0.493 χ^2/NDF: 59.7/27

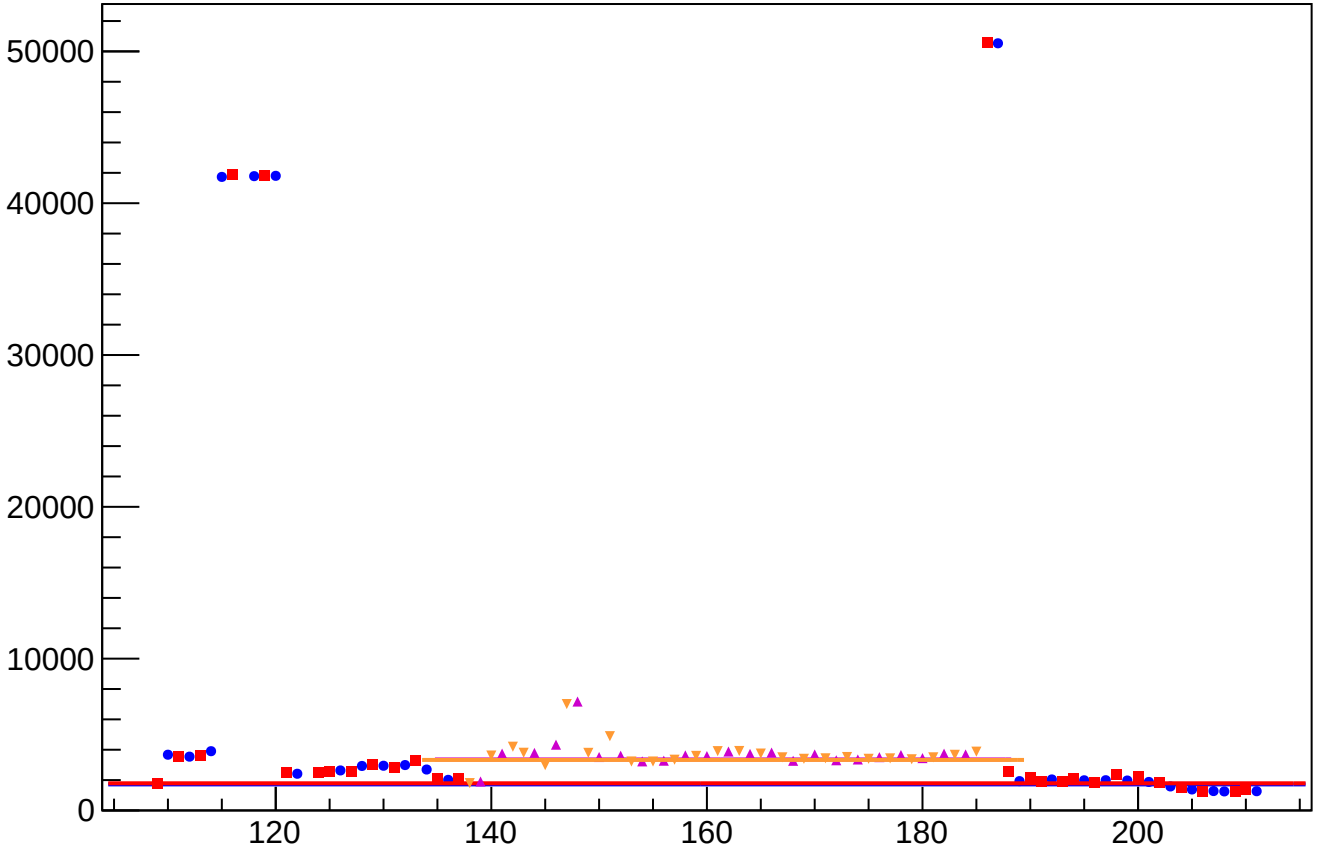
Left In: -0.171+/-0.810 χ^2/NDF:12.6/22

+ sign -0.995+/-0.413 χ^2/NDF: 74.0/49

All: -1.113+/-0.295 χ^2/NDF: 148.8/100

- sign -1.237+/-0.421 χ^2/NDF: 74.7/50

diff_bpm1p02bY_rms vs Slug



Right In: 1715.753+/-0.344 χ^2/NDF: 4535248.2/24

Left Out: 3328.251+/-0.553 χ^2/NDF:1915576.2/24

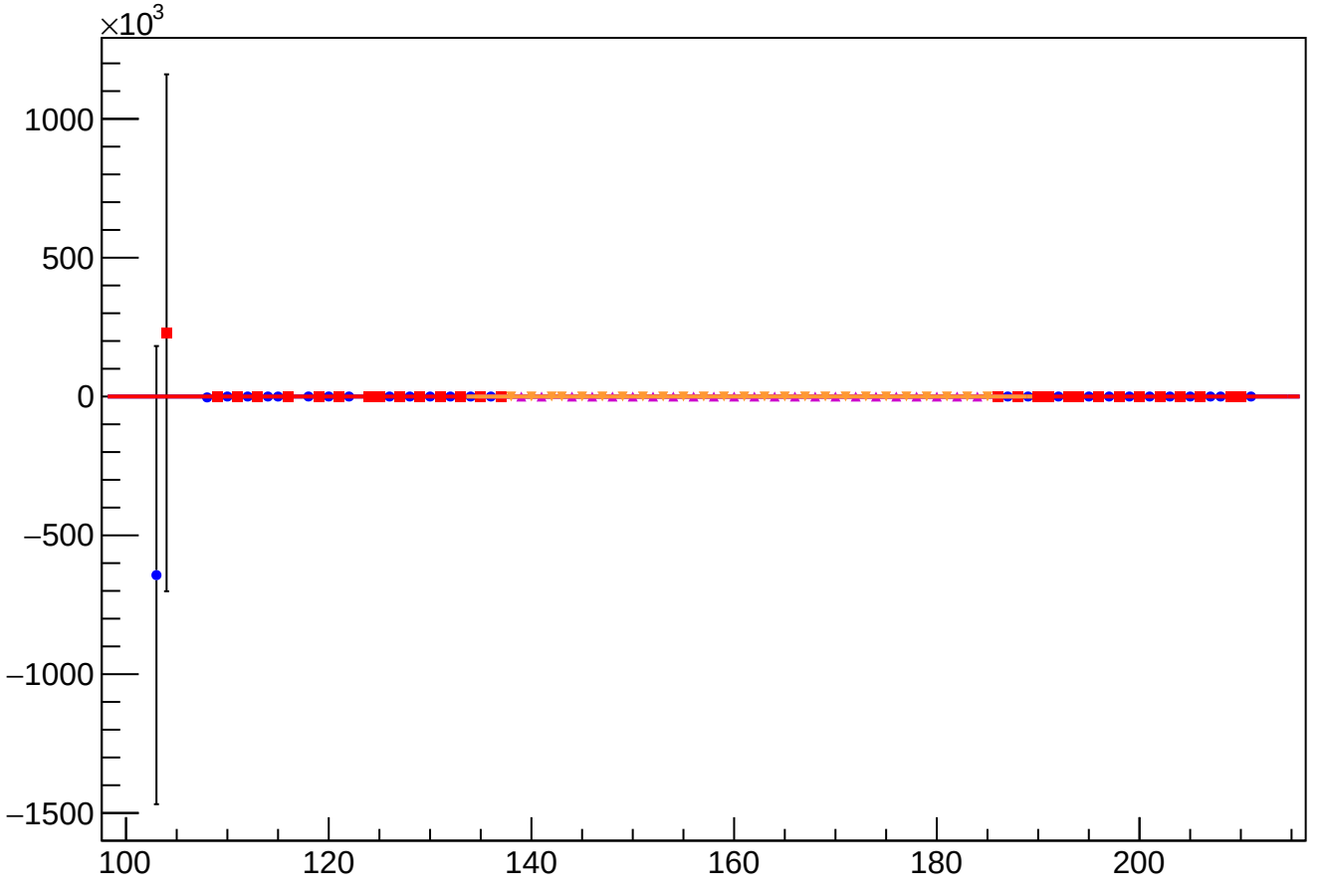
Right Out: 1789.839+/-0.349 χ^2/NDF: 4656825.1/27

Left In: 3360.799+/-0.572 χ^2/NDF:1649390.5/22

+ sign 2165.120+/-0.292 χ^2/NDF: 12583381.9/49

All: 2189.635+/-0.208 χ^2/NDF: 24395495.3/1

- sign 2215.156+/-0.298 χ^2/NDF: 11797721.1/50



Right In: -1.488+/-0.579 χ^2/NDF: 29.4/26

Left Out: -1.573+/-0.363 χ^2/NDF:50.3/24

Right Out: -2.117+/-0.578 χ^2/NDF: 30.3/28

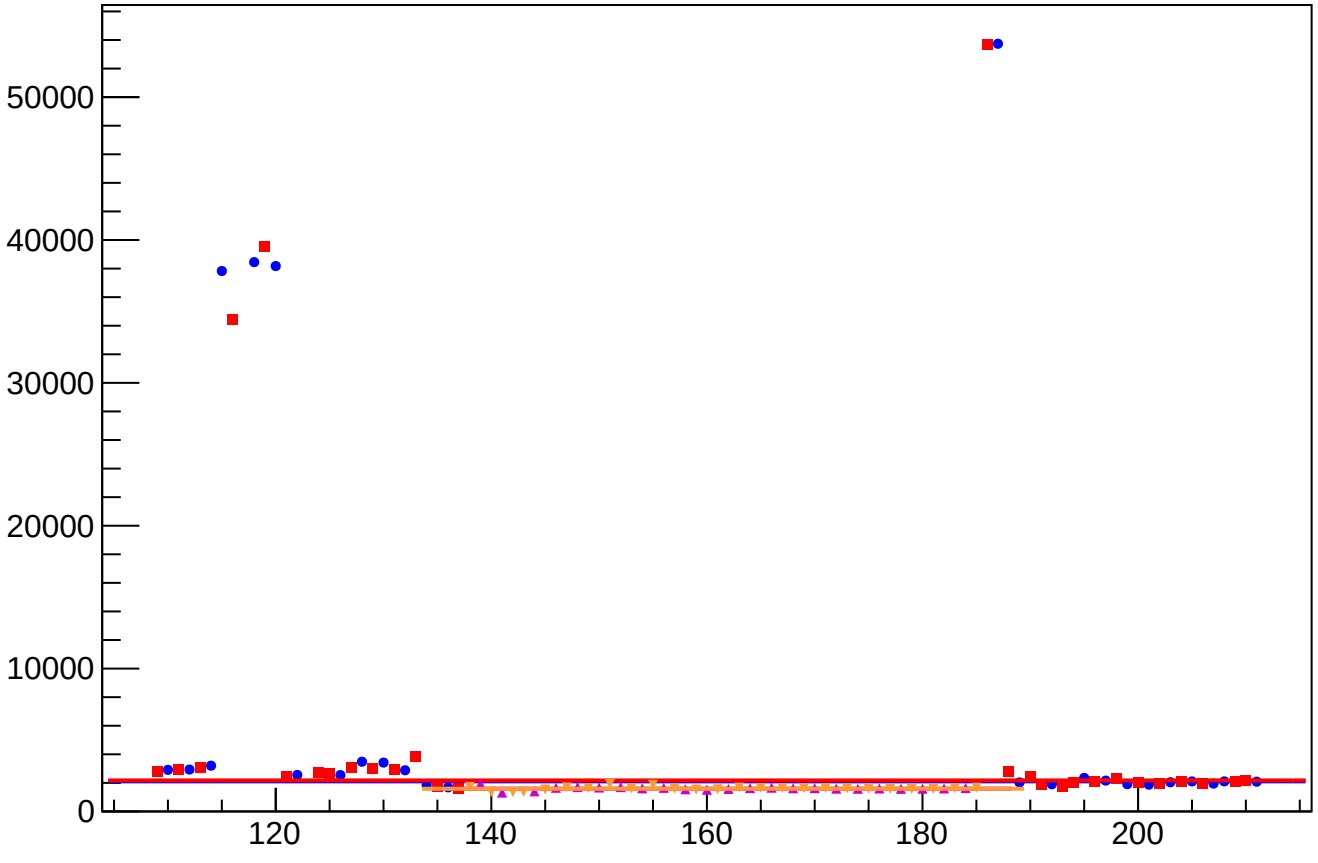
Left In: 0.018+/-0.374 χ^2/NDF:27.3/22

+ sign -1.549+/-0.308 χ^2/NDF: 79.7/51

All: -1.091+/-0.220 χ^2/NDF: 151.5/103

- sign -0.614+/-0.314 χ^2/NDF: 67.3/51

diff_bpm1p03aX_rms vs Slug



Right In: 2107.193+/-0.410 χ^2/NDF: 2981371.3/24

Left Out: 1589.488+/-0.257 χ^2/NDF:232518.0/24

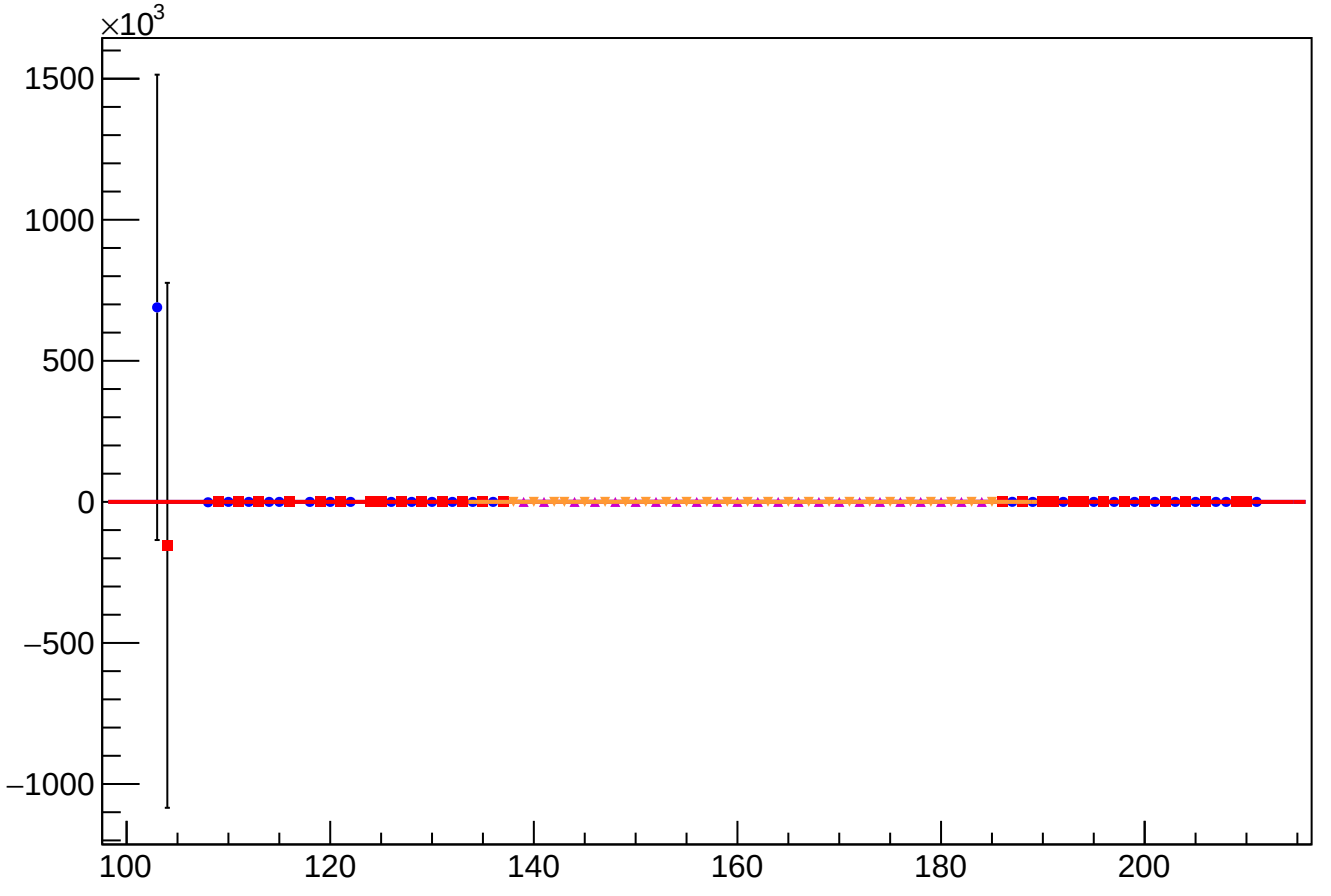
Right Out: 2172.575+/-0.409 χ^2/NDF: 3248941.4/27

Left In: 1596.179+/-0.265 χ^2/NDF:196833.1/22

+ sign 1735.372+/-0.217 χ^2/NDF: 4360817.5/49

All: 1750.636+/-0.155 χ^2/NDF: 9217616.0/10

- sign 1766.573+/-0.222 χ^2/NDF: 4846728.5/50



Right In: -0.046+/-0.421 χ^2/NDF: 27.1/26

Left Out: -1.179+/-0.502 χ^2/NDF:24.4/24

Right Out: -0.408+/-0.424 χ^2/NDF: 33.3/28

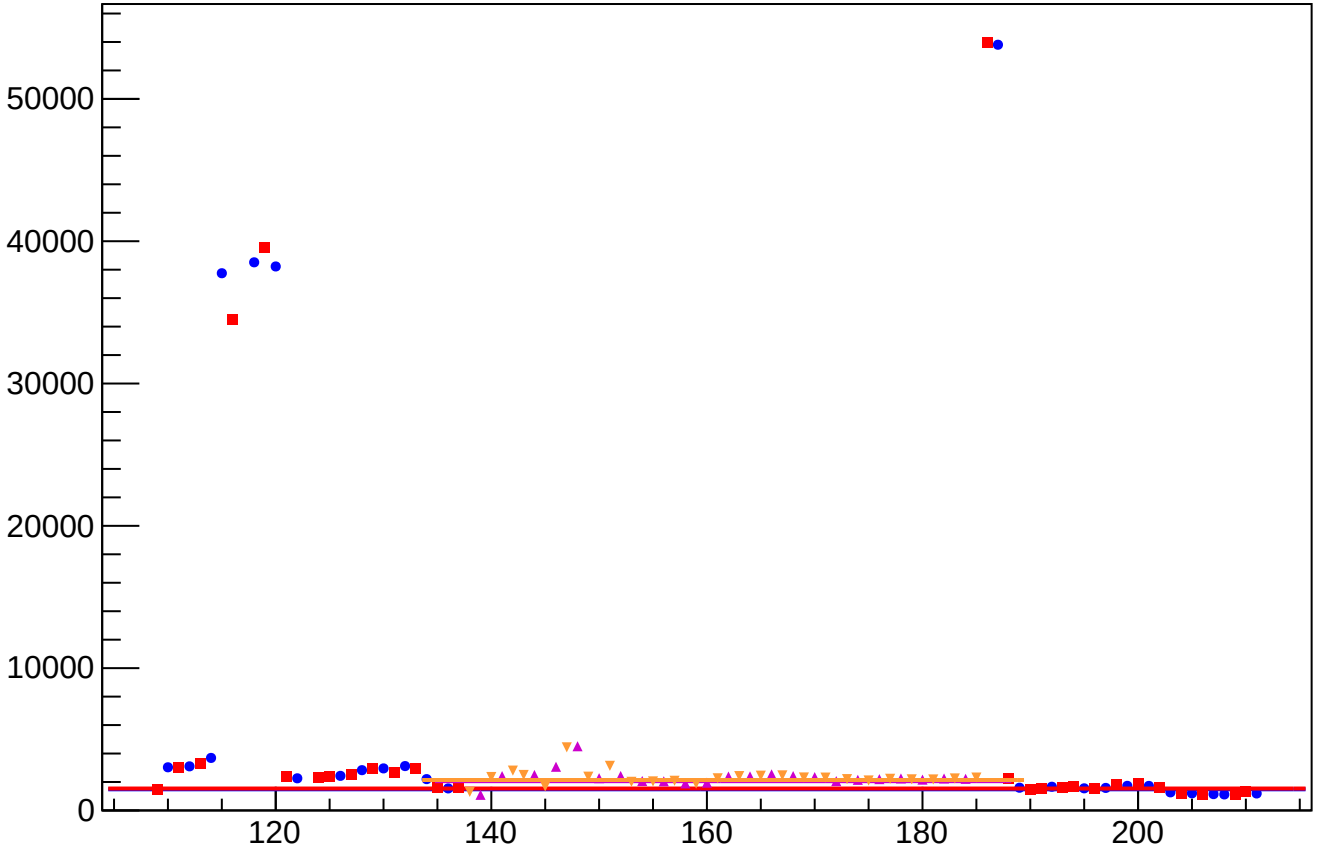
Left In: 0.125+/-0.501 χ^2/NDF:16.9/22

+ sign -0.513+/-0.323 χ^2/NDF: 54.5/51

All: -0.350+/-0.228 χ^2/NDF: 105.9/103

- sign -0.186+/-0.324 χ^2/NDF: 50.9/51

diff_bpm1p03aY_rms vs Slug



Right In: 1486.049+/-0.297 χ^2/NDF: 4497365.0/24

Left Out: 2139.248+/-0.355 χ^2/NDF:1480000.5/24

Right Out: 1541.093+/-0.300 χ^2/NDF: 4568289.6/27

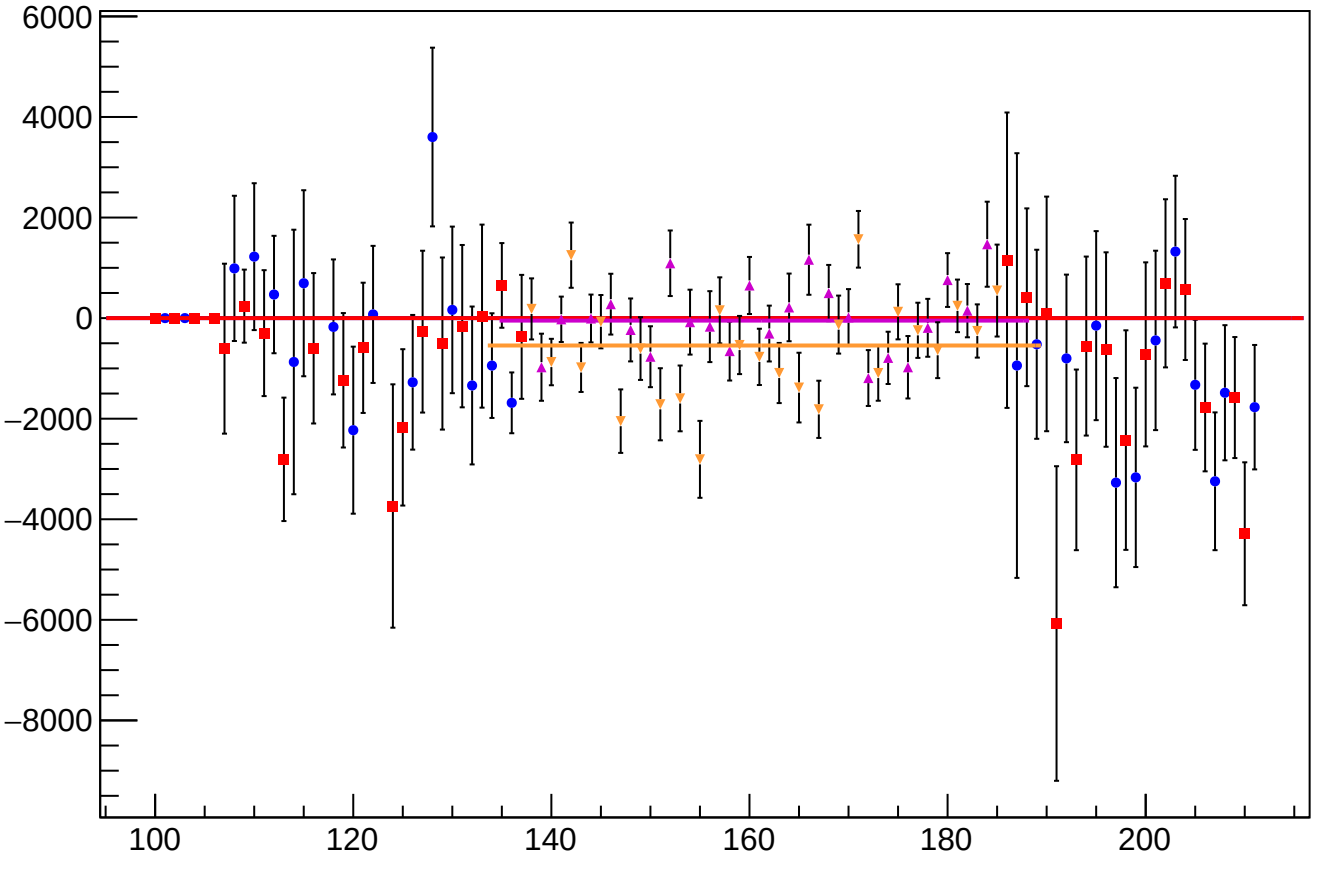
Left In: 2058.216+/-0.354 χ^2/NDF:2293601.6/22

+ sign 1755.240+/-0.228 χ^2/NDF: 7964371.2/49

All: 1755.972+/-0.162 χ^2/NDF: 16067406.6/1

- sign 1756.710+/-0.229 χ^2/NDF: 8103014.8/50

diff_cav4bX_mean vs Slug



Right In: 0.255+/-0.356 χ^2/NDF: 34.5/27

Left Out: -544.414+/-117.154 χ^2/NDF:60.9/24

Right Out: 0.095+/-0.328 χ^2/NDF: 36.6/32

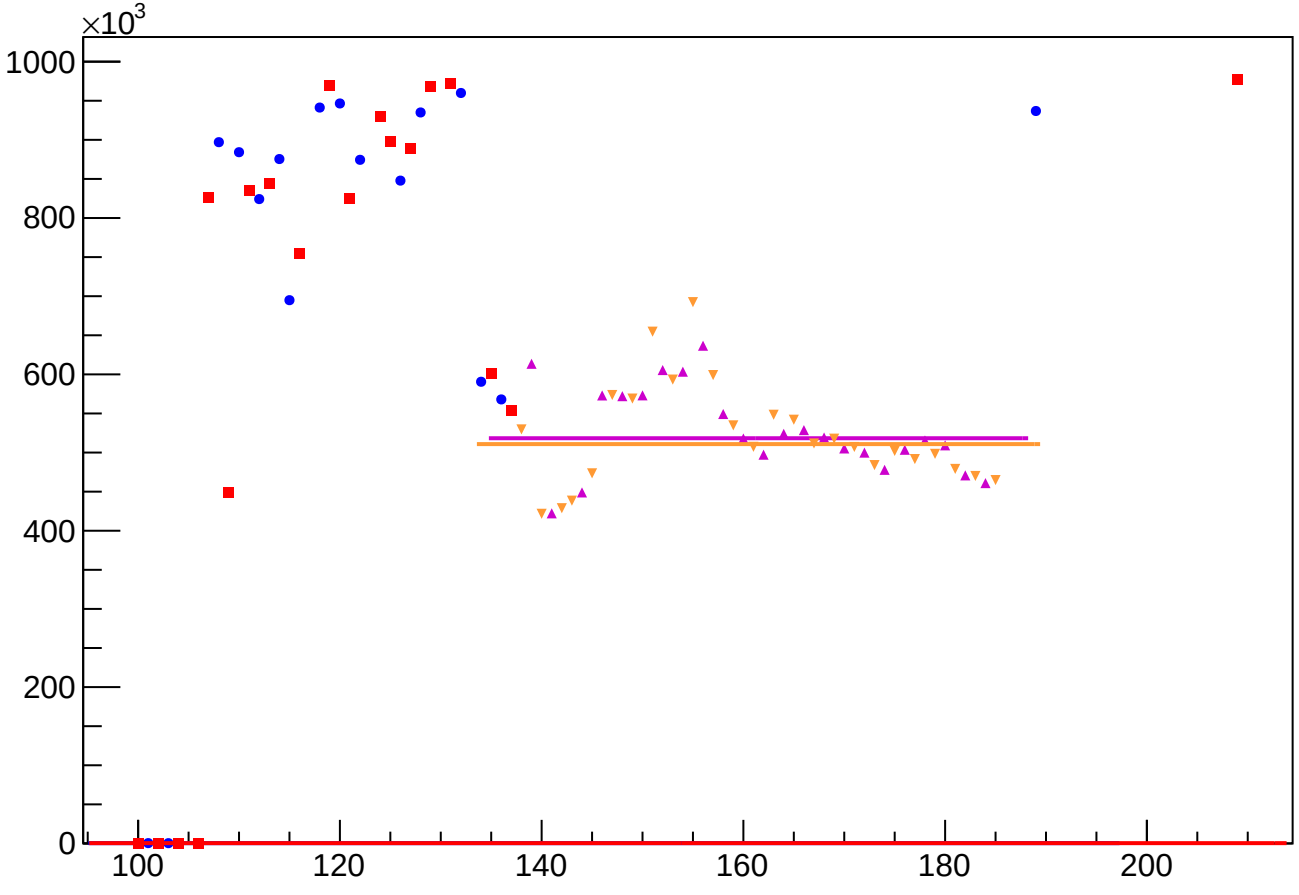
Left In: -49.119+/-121.932 χ^2/NDF:28.0/22

+ sign 0.250+/-0.356 χ^2/NDF: 117.0/52

All: 0.166+/-0.241 χ^2/NDF: 181.8/108

- sign 0.095+/-0.328 χ^2/NDF: 64.7/55

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

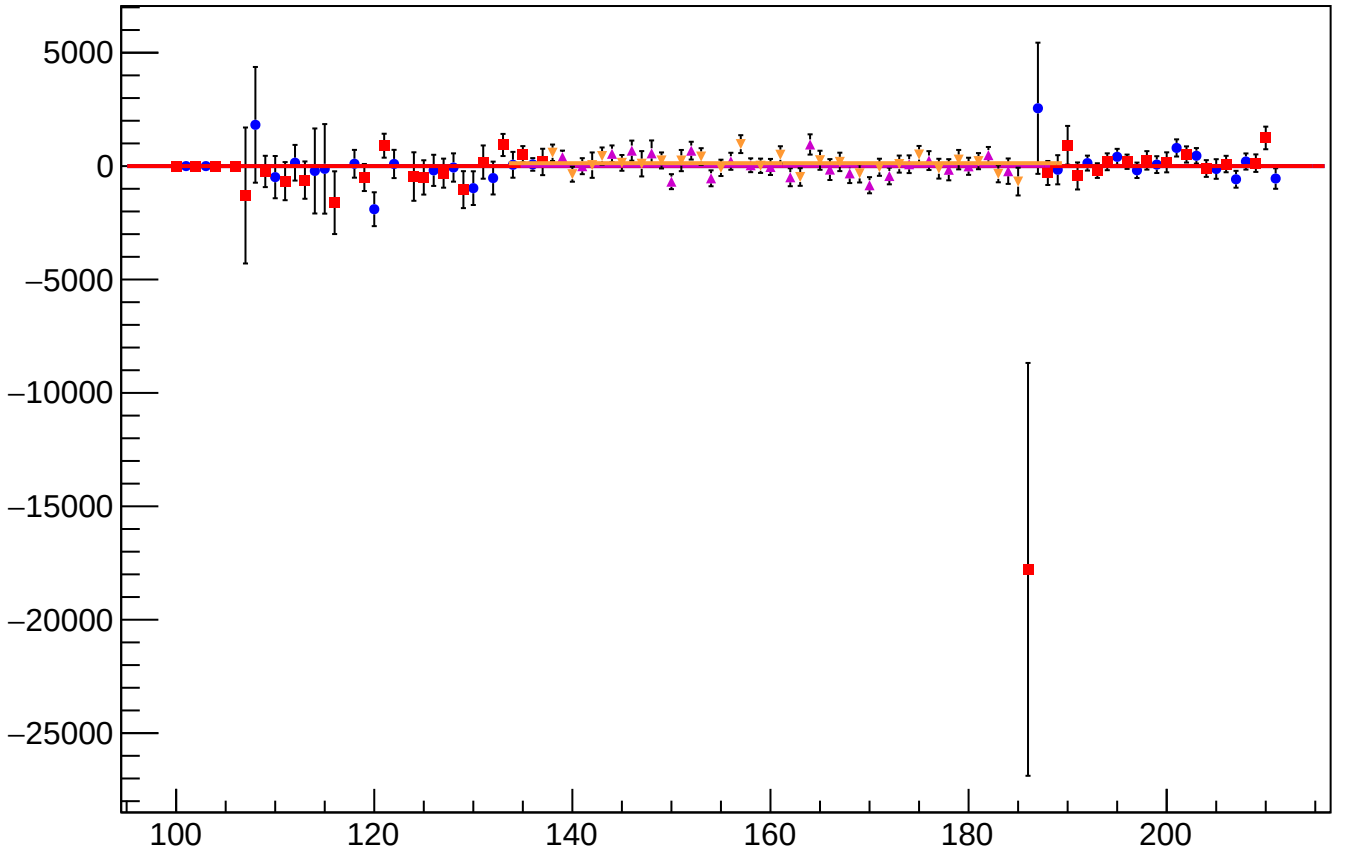
Right Out: 393.242+/-0.232 χ^2/NDF: 7684547.6/18

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



Right In: -0.020+/-0.347 χ^2/NDF: 23.7/27

Left Out: 128.971+/-78.249 χ^2/NDF:20.1/24

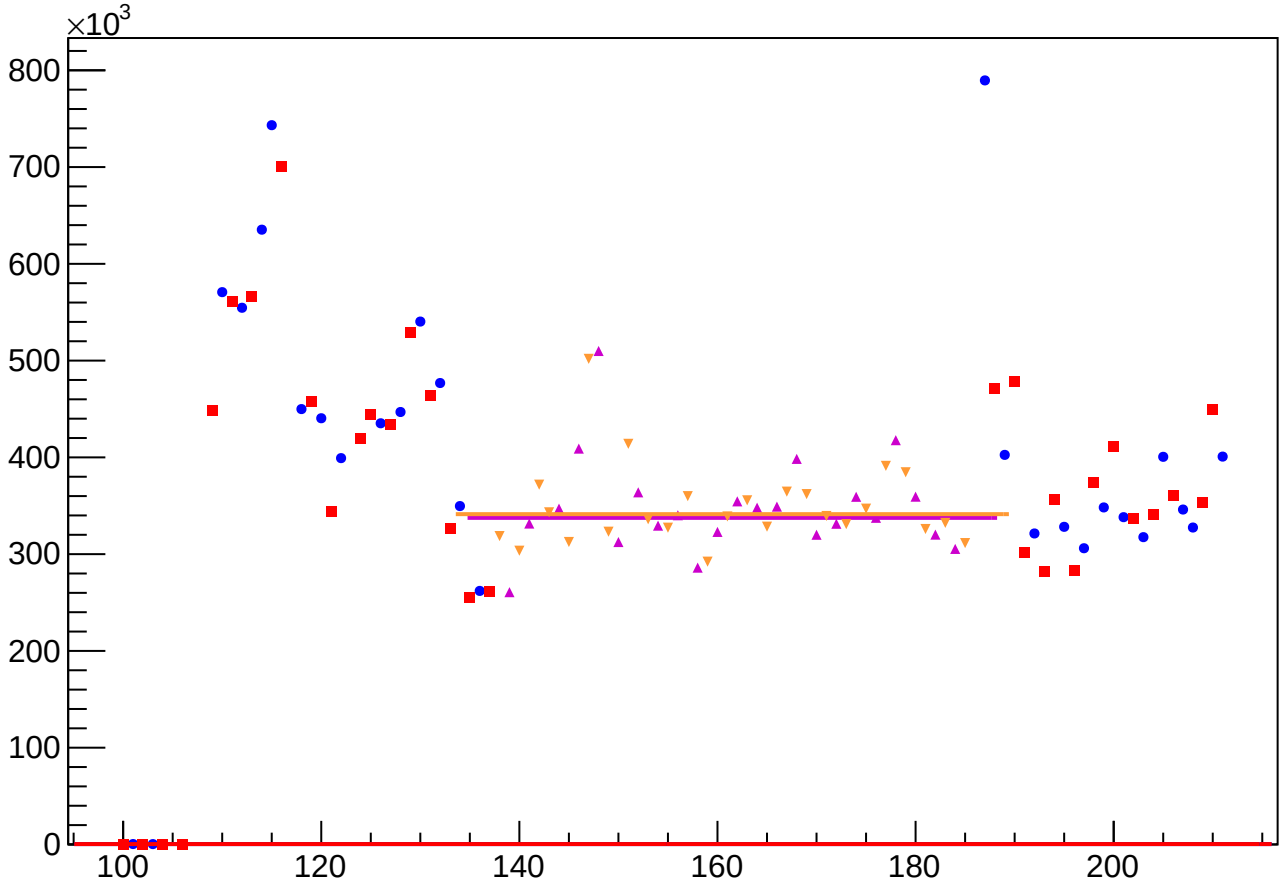
Right Out: 0.600+/-0.324 χ^2/NDF: 30.9/32

Left In: 19.324+/-79.767 χ^2/NDF:33.7/22

+ sign -0.017+/-0.347 χ^2/NDF: 46.5/52

All: 0.313+/-0.237 χ^2/NDF: 112.9/108

- sign 0.600+/-0.324 χ^2/NDF: 64.6/55



Right In: 393.408+/-0.245 χ^2/NDF: 28953629.7/26

Left Out: 341327.149+/-55.330 χ^2/NDF:403173.8/24

Right Out: 390.883+/-0.229 χ^2/NDF: 30856535.6/30

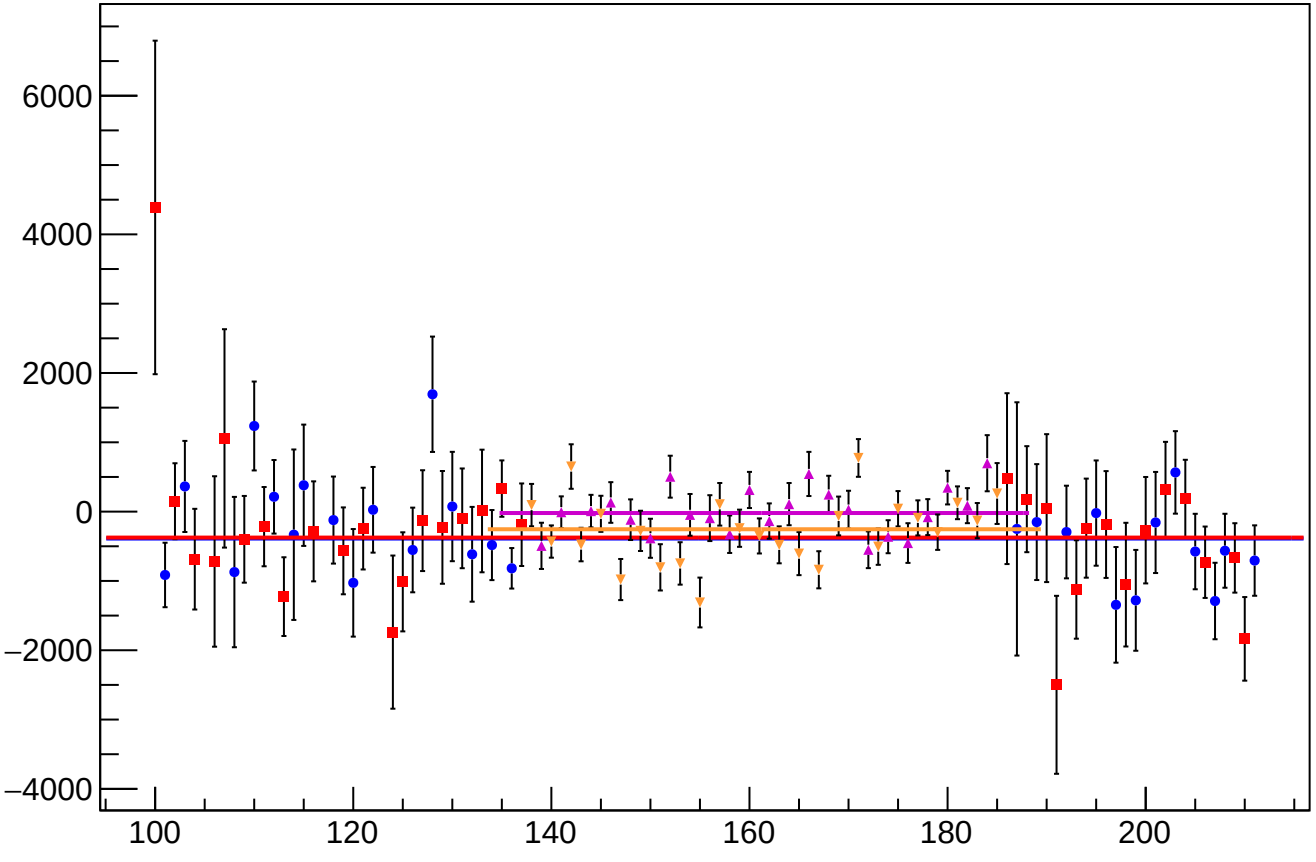
Left In: 337505.654+/-56.407 χ^2/NDF:600776.4/22

+ sign 400.117+/-0.245 χ^2/NDF: 67323842.5/51

All: 398.149+/-0.167 χ^2/NDF: 134499078.0/1

- sign 396.437+/-0.229 χ^2/NDF: 67175115.3/53

diff_cav4cX_mean vs Slug



Right In: -388.345+/-116.381 χ^2/NDF: 30.7/27

Left Out: -254.371+/-55.417 χ^2/NDF:61.3/24

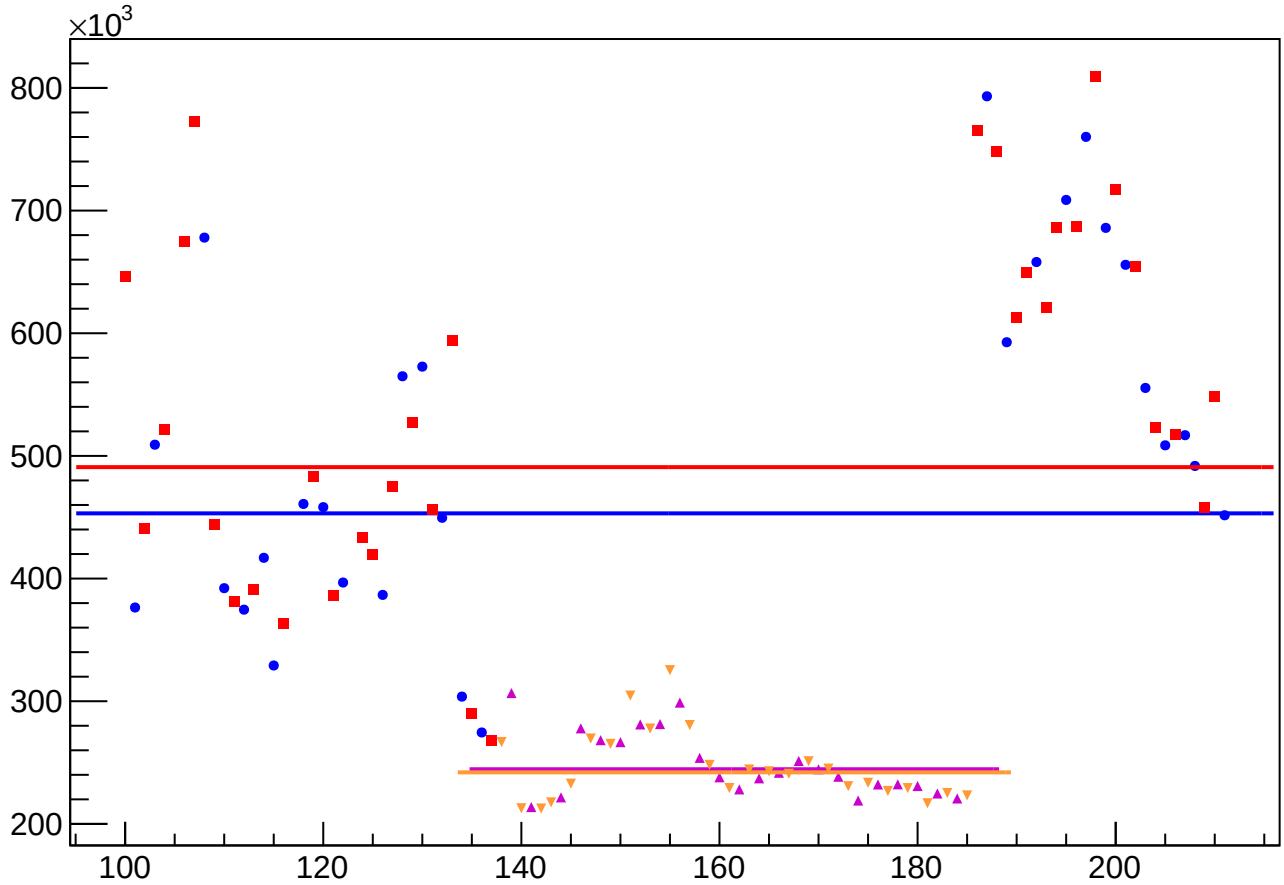
Right Out: -374.643+/-120.418 χ^2/NDF: 28.7/32

Left In: -20.176+/-57.484 χ^2/NDF:28.6/22

+ sign -279.134+/-50.035 χ^2/NDF: 93.0/52

All: -186.037+/-36.013 χ^2/NDF: 164.6/108

- sign -85.961+/-51.876 χ^2/NDF: 64.3/55



Right In: 453165.712+/-82.308 χ^2/NDF: 2587883.2/27

Left Out: 242008.749+/-39.186 χ^2/NDF:413236.1/24

Right Out: 490852.529+/-85.238 χ^2/NDF: 2527417.9/32

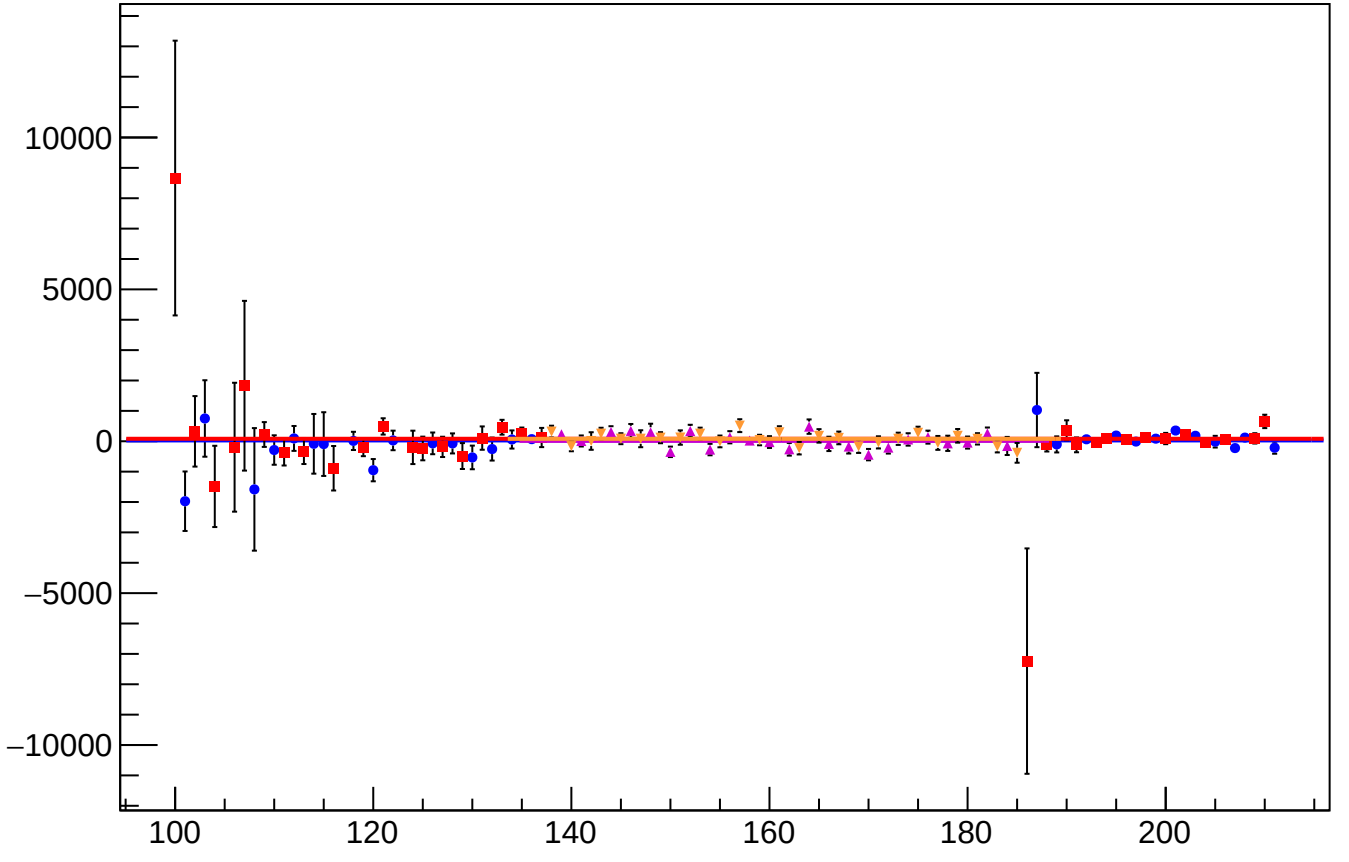
Left In: 244542.686+/-40.647 χ^2/NDF:361527.4/22

+ sign 281026.324+/-35.381 χ^2/NDF: 8366520.1/52

All: 285435.548+/-25.468 χ^2/NDF: 1809085

- sign 290176.857+/-36.689 χ^2/NDF: 9692100.5/55

diff_cav4cY_mean vs Slug



Right In: 27.197+/-42.125 χ^2/NDF: 27.6/27

Left Out: 79.495+/-41.301 χ^2/NDF:19.7/24

Right Out: 81.910+/-41.305 χ^2/NDF: 34.4/32

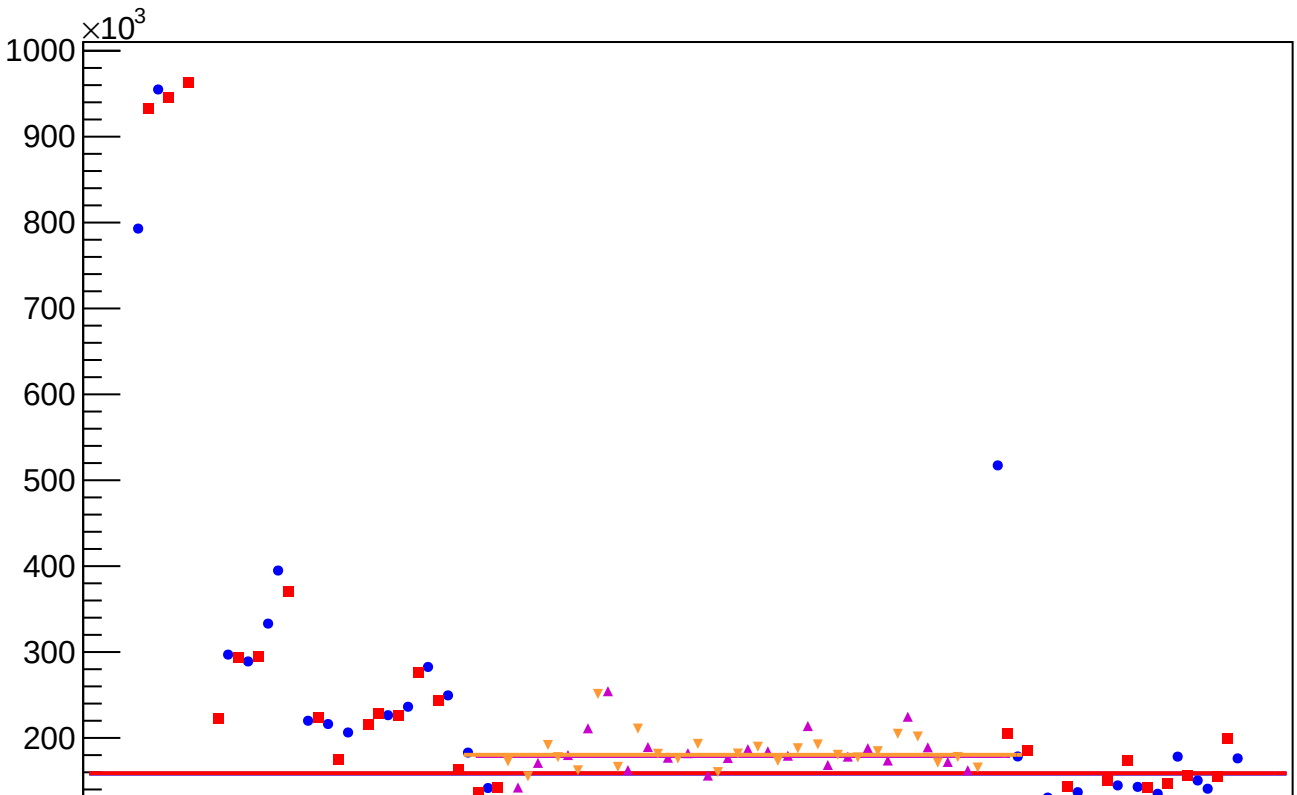
Left In: 14.032+/-42.233 χ^2/NDF:33.2/22

\+ sign 53.863+/-29.491 χ^2/NDF: 48.1/52

All: 51.297+/-20.867 χ^2/NDF: 117.0/108

\- sign 48.725+/-29.530 χ^2/NDF: 68.9/55

diff_cav4cY_rms vs Slug



Right In: 158484.573+/-29.799 χ^2/NDF: 3273259.7/26

Left Out: 180342.867+/-29.204 χ^2/NDF:346596.9/24

Right Out: 158916.725+/-29.225 χ^2/NDF: 3340370.4/29

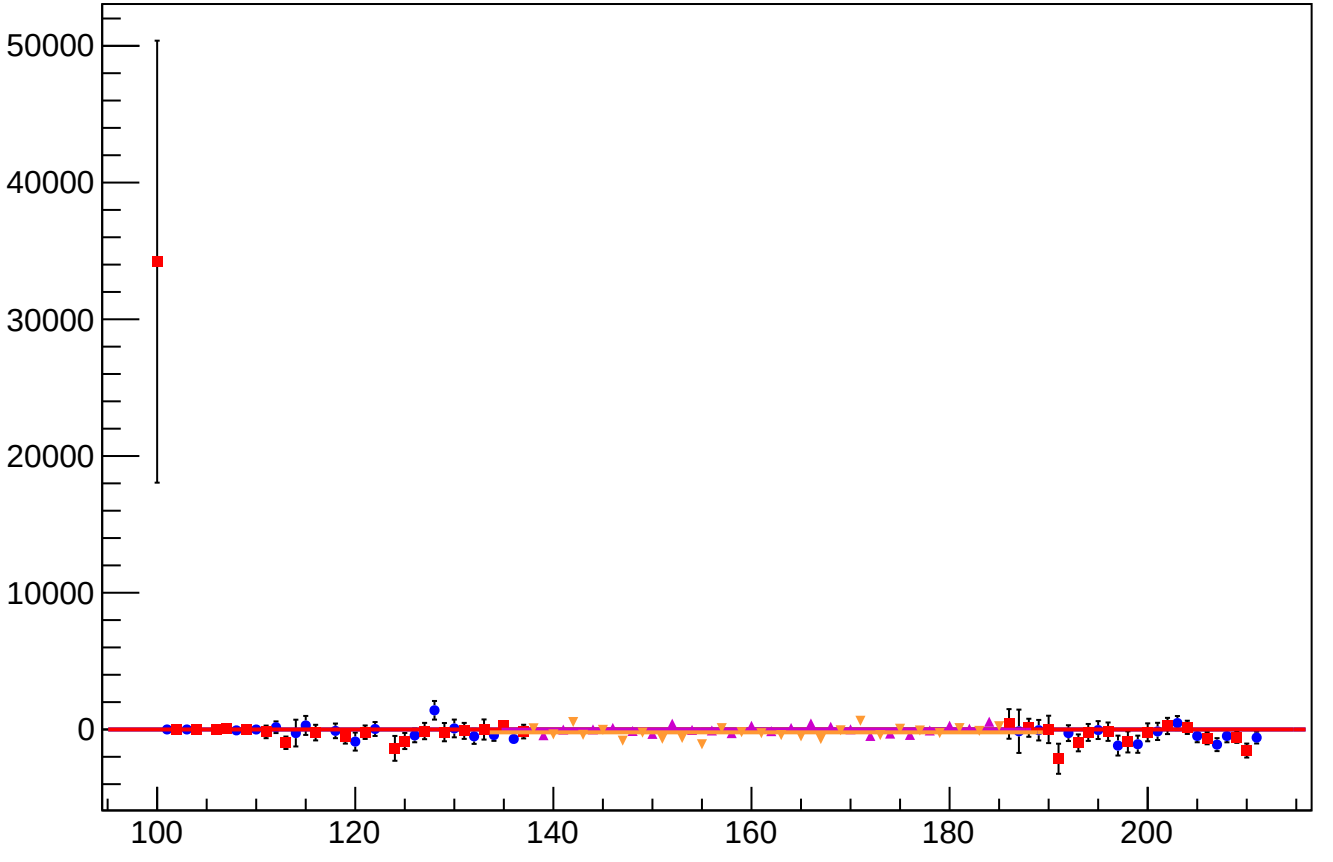
Left In: 179024.195+/-29.863 χ^2/NDF:501400.7/22

+ sign 169633.998+/-20.857 χ^2/NDF: 3894314.6/51

All: 169194.200+/-14.759 χ^2/NDF: 7968552.

- sign 168753.147+/-20.887 χ^2/NDF: 4073347.0/52

diff_cav4dX_mean vs Slug



Right In: -0.036+/-0.172 χ^2/NDF: 34.3/27

Left Out: -210.198+/-46.290 χ^2/NDF:61.2/24

Right Out: -0.356+/-0.160 χ^2/NDF: 37.8/32

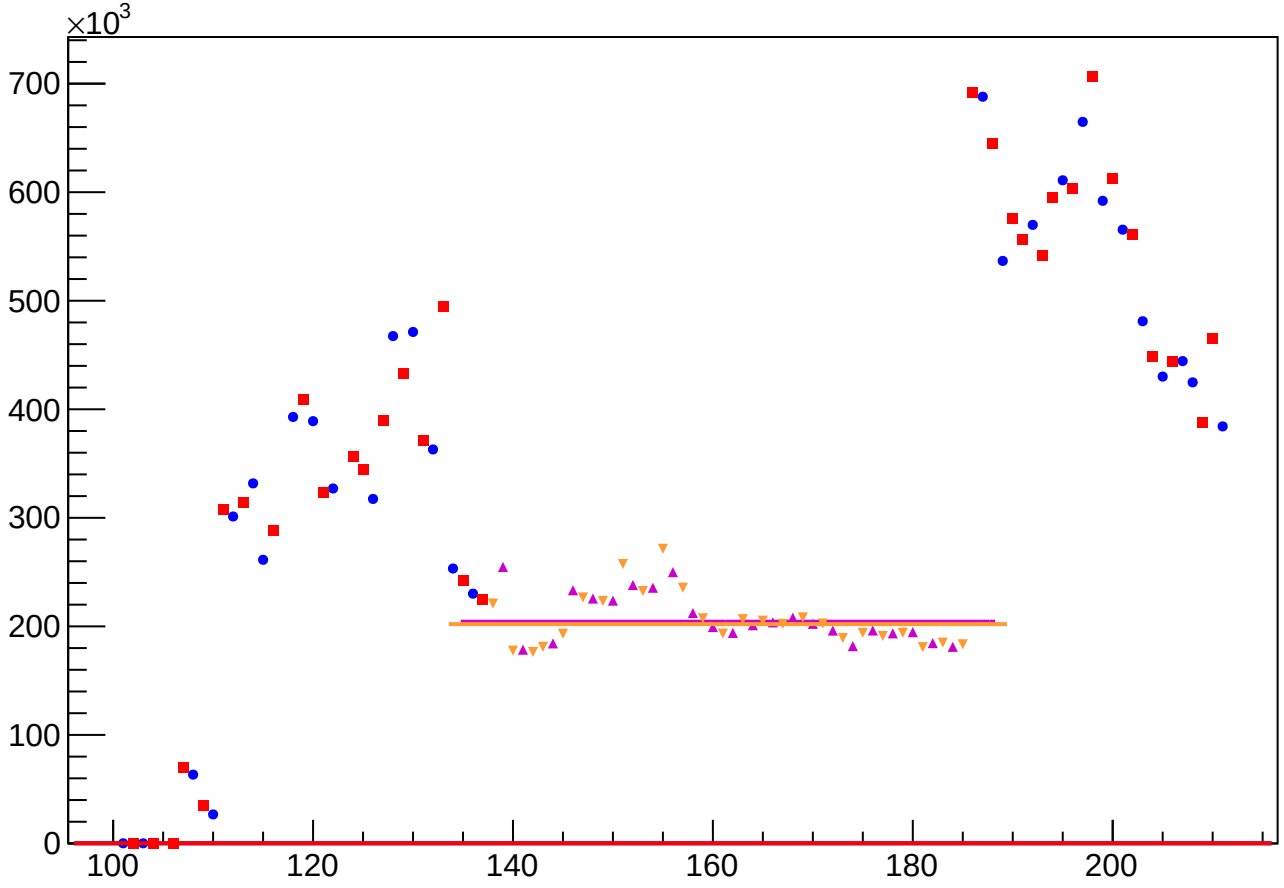
Left In: -21.095+/-48.037 χ^2/NDF:28.6/22

+ sign -0.038+/-0.172 χ^2/NDF: 116.1/52

All: -0.209+/-0.117 χ^2/NDF: 184.5/108

- sign -0.356+/-0.160 χ^2/NDF: 66.6/55

diff_cav4dX_rms vs Slug



Right In: 149.638+/-0.122 χ^2/NDF: 29959731.3/27

Left Out: 202085.802+/-32.732 χ^2/NDF:434069.3/24

Right Out: 149.885+/-0.113 χ^2/NDF: 32446829.8/31

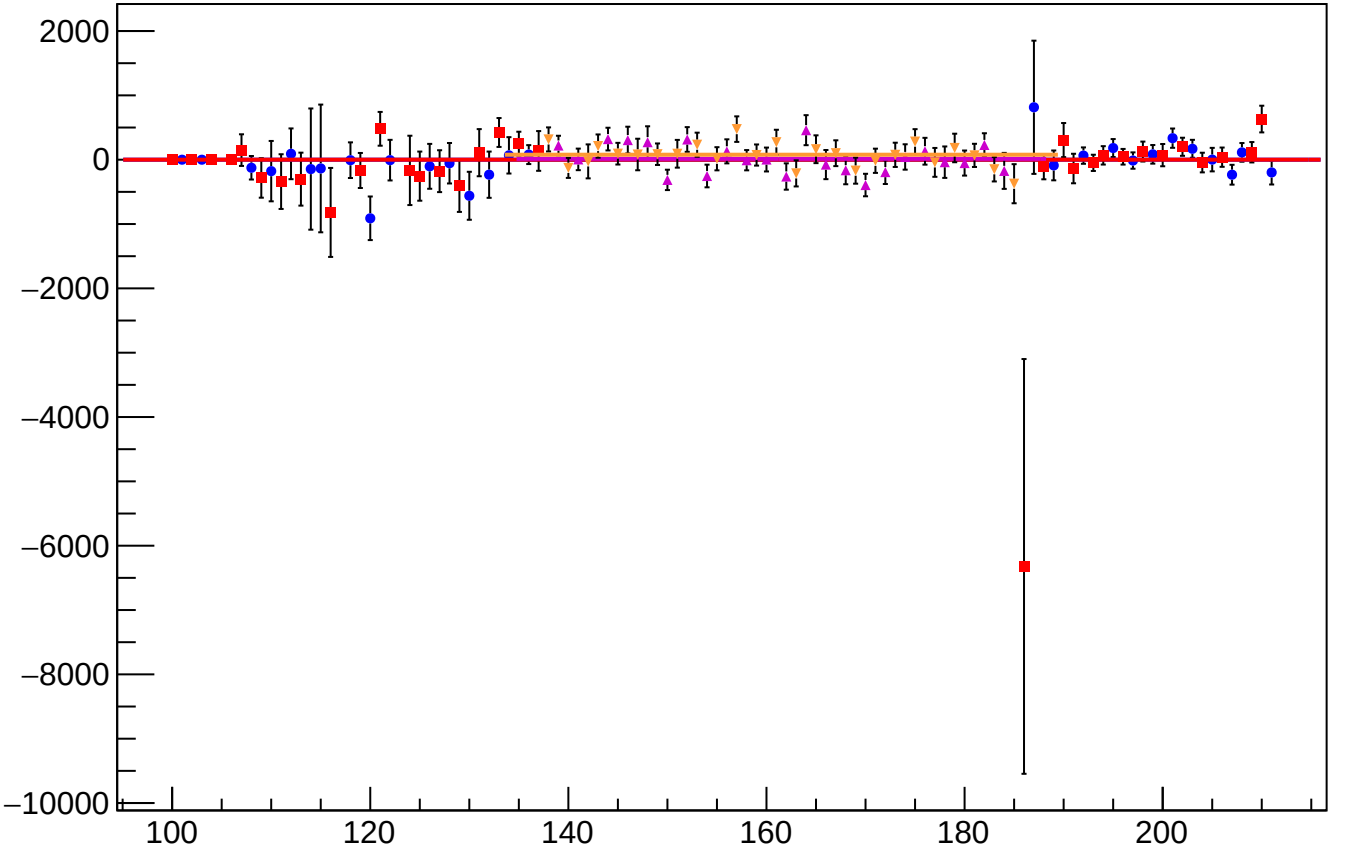
Left In: 204310.238+/-33.967 χ^2/NDF:377332.3/22

+ sign 152.435+/-0.122 χ^2/NDF: 68455399.0/52

All: 152.284+/-0.083 χ^2/NDF: 137404834.2/1

- sign 152.153+/-0.113 χ^2/NDF: 68949432.3/54

diff_cav4dY_mean vs Slug



Right In: -0.067+/-0.177 χ^2/NDF: 24.8/27

Left Out: 77.572+/-38.921 χ^2/NDF:19.1/24

Right Out: 0.127+/-0.166 χ^2/NDF: 34.4/32

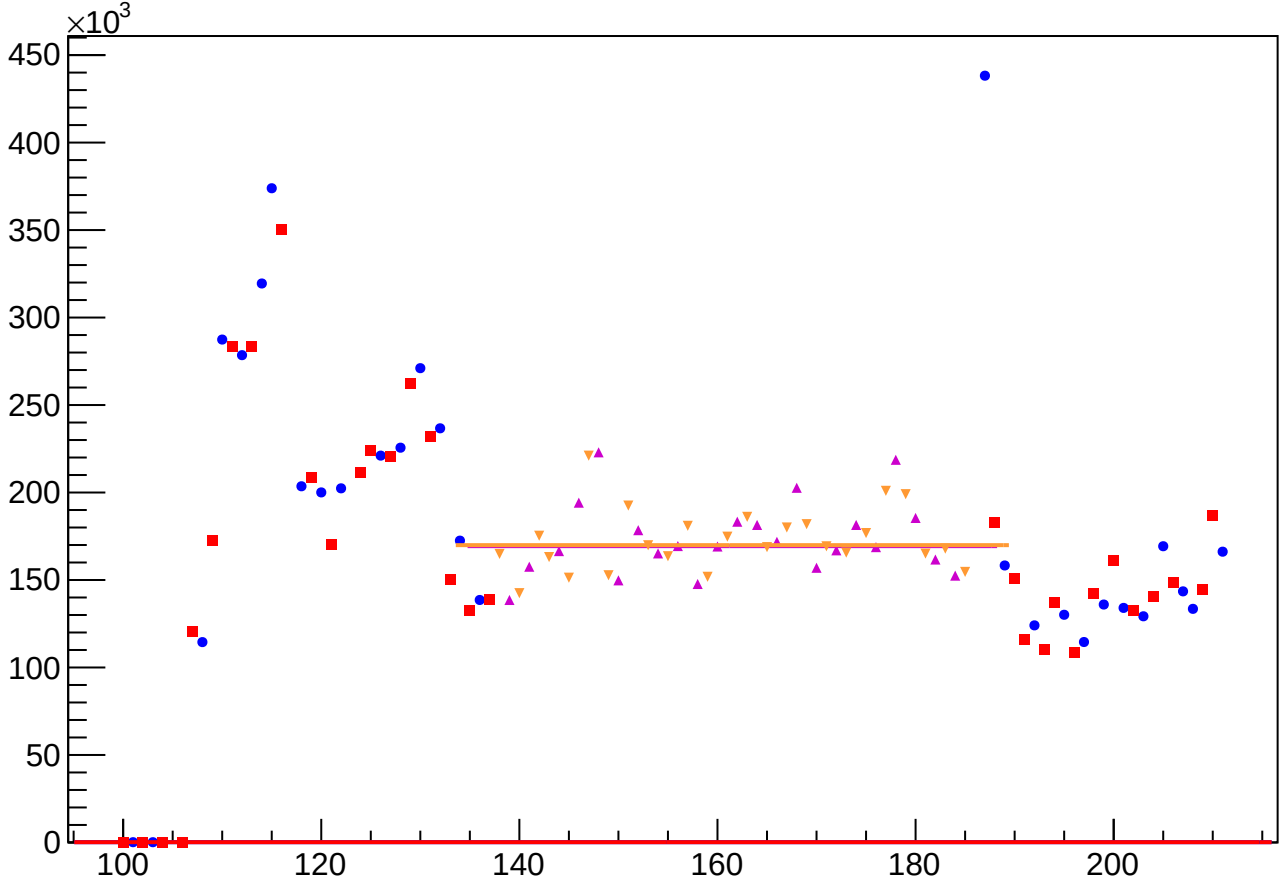
Left In: 13.457+/-39.929 χ^2/NDF:32.7/22

\+ sign -0.066+/-0.177 χ^2/NDF: 47.8/52

All: 0.037+/-0.121 χ^2/NDF: 115.7/108

\- sign 0.127+/-0.166 χ^2/NDF: 67.2/55

diff_cav4dY_rms vs Slug



Right In: 155.533+/-0.125 χ^2/NDF: 30220874.4/27

Left Out: 169916.225+/-27.521 χ^2/NDF:363966.0/24

Right Out: 158.121+/-0.118 χ^2/NDF: 31331317.8/31

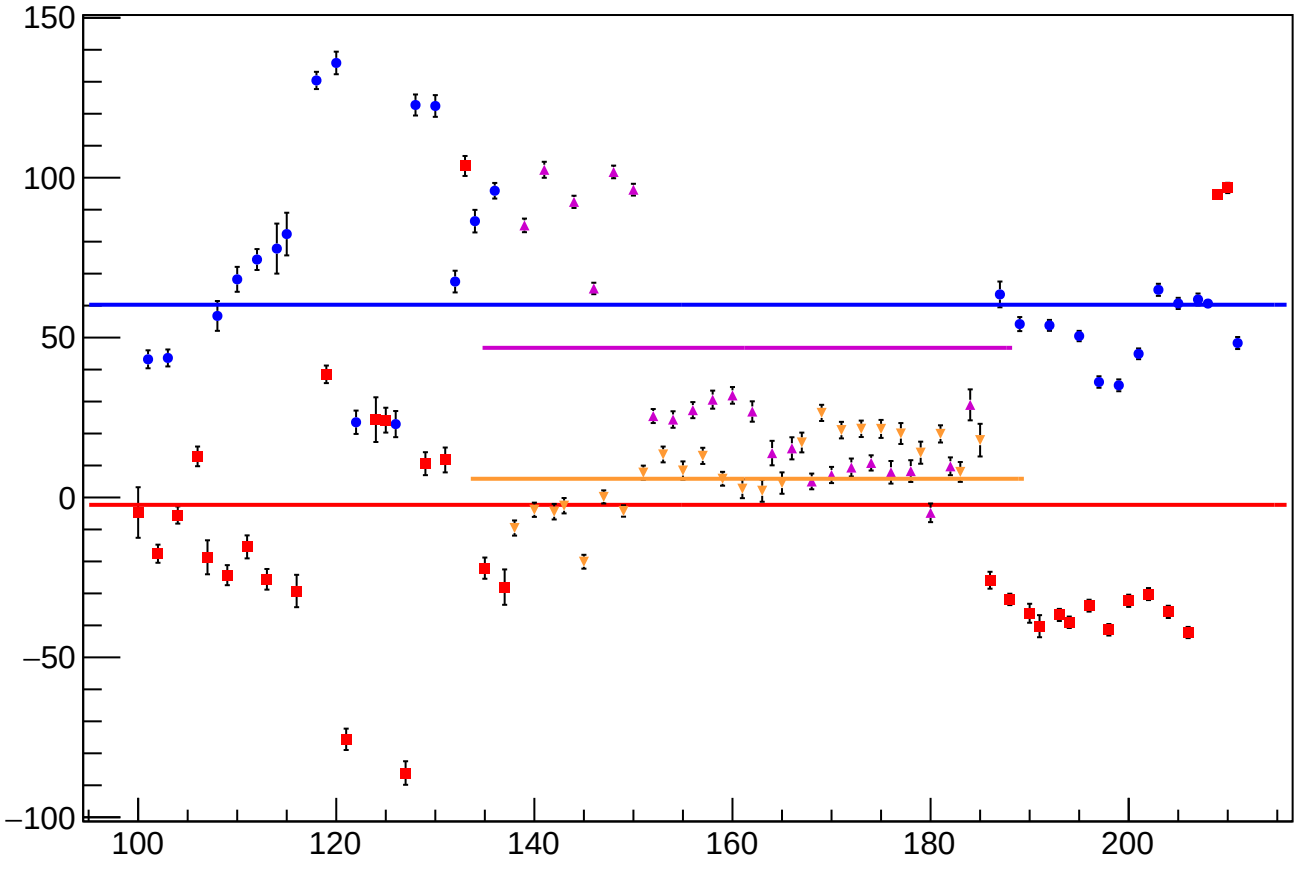
Left In: 169352.083+/-28.234 χ^2/NDF:474852.1/22

+ sign 159.053+/-0.125 χ^2/NDF: 68632073.8/52

All: 160.121+/-0.086 χ^2/NDF: 136347708.7/1

- sign 161.063+/-0.118 χ^2/NDF: 67715498.3/54

diff_bpm0i01X_mean vs Slug



Right In: 60.271+/-0.452 χ^2/NDF: 2958.7/27

Left Out: 5.852+/-0.514 χ^2/NDF:535.3/24

Right Out: -2.304+/-0.425 χ^2/NDF: 16224.4/32

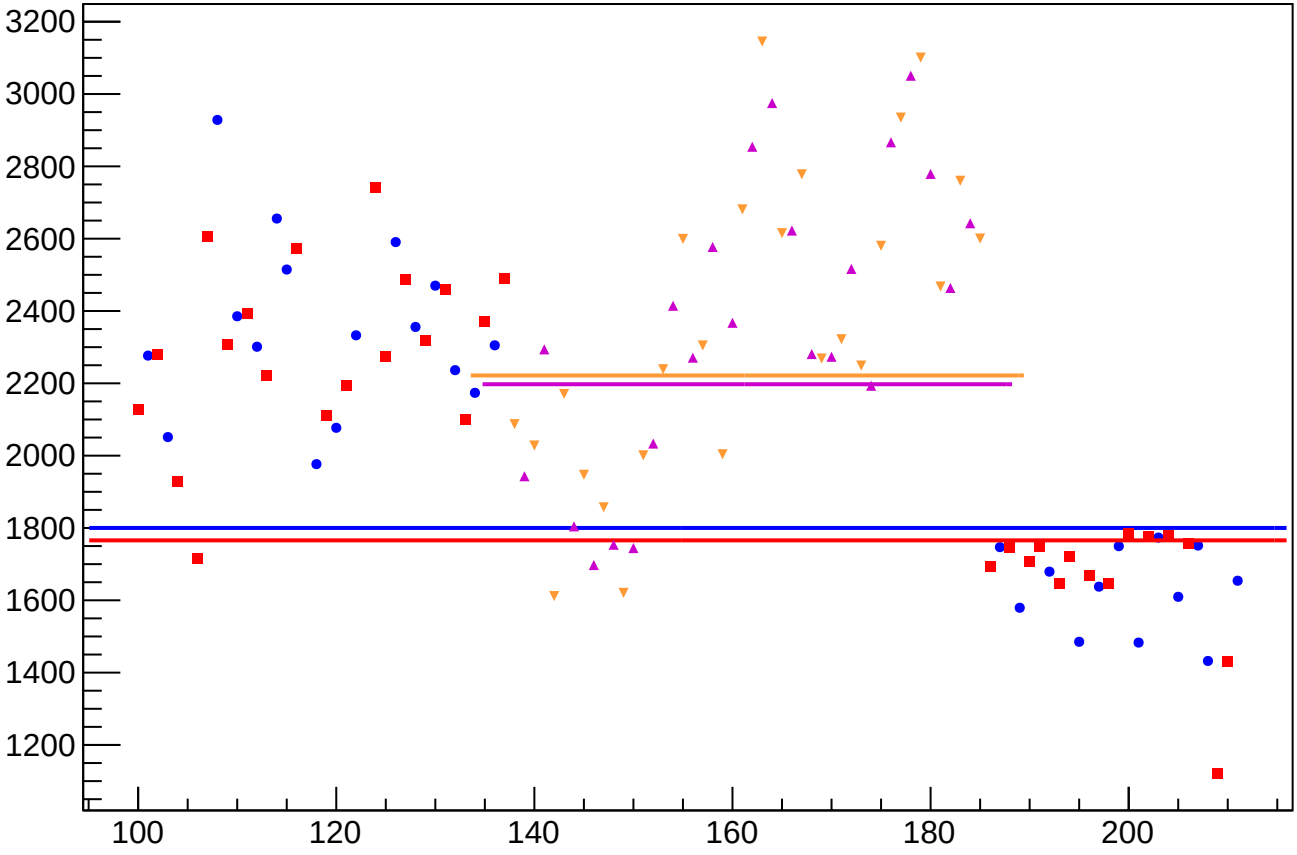
Left In: 46.796+/-0.524 χ^2/NDF:5175.4/22

\+ sign 36.554+/-0.339 χ^2/NDF: 9818.5/52

All: 26.574+/-0.237 χ^2/NDF: 38195.9/108

\- sign 17.134+/-0.330 χ^2/NDF: 26694.1/55

diff_bpm0i01X_rms vs Slug



Right In: 1800.096+/-0.319 χ^2/NDF: 1085928.7/27

Left Out: 2221.771+/-0.363 χ^2/NDF:1184043.2/24

Right Out: 1765.750+/-0.300 χ^2/NDF: 1456050.1/32

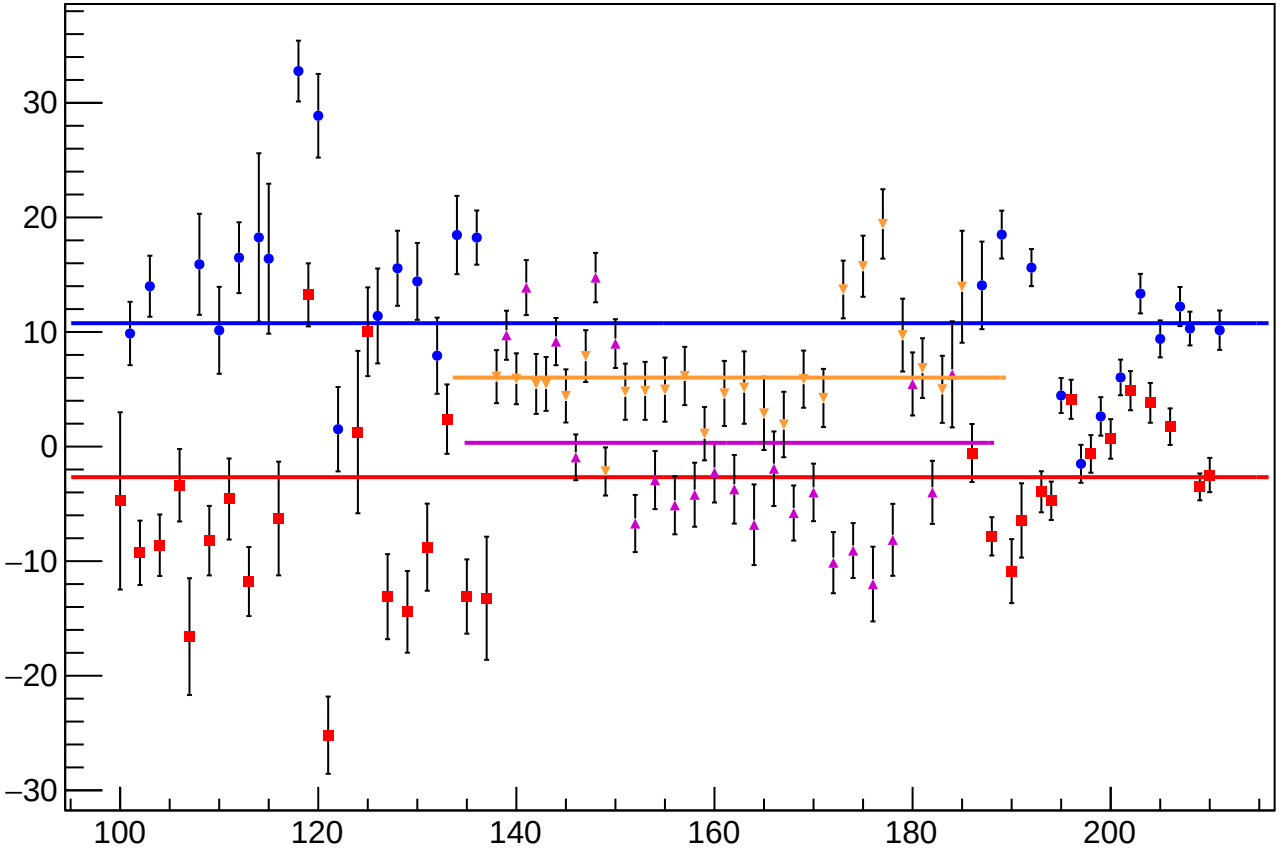
Left In: 2197.471+/-0.371 χ^2/NDF:1104663.4/22

+ sign 1983.874+/-0.240 χ^2/NDF: 3029427.3/52

All: 1959.611+/-0.167 χ^2/NDF: 6428684.5/10

- sign 1936.661+/-0.233 χ^2/NDF: 3379358.8/55

diff_bpm0i01Y_mean vs Slug



Right In: 10.771+/-0.425 χ^2/NDF: 259.1/27

Left Out: 6.022+/-0.521 χ^2/NDF:71.8/24

Right Out: -2.669+/-0.401 χ^2/NDF: 243.8/32

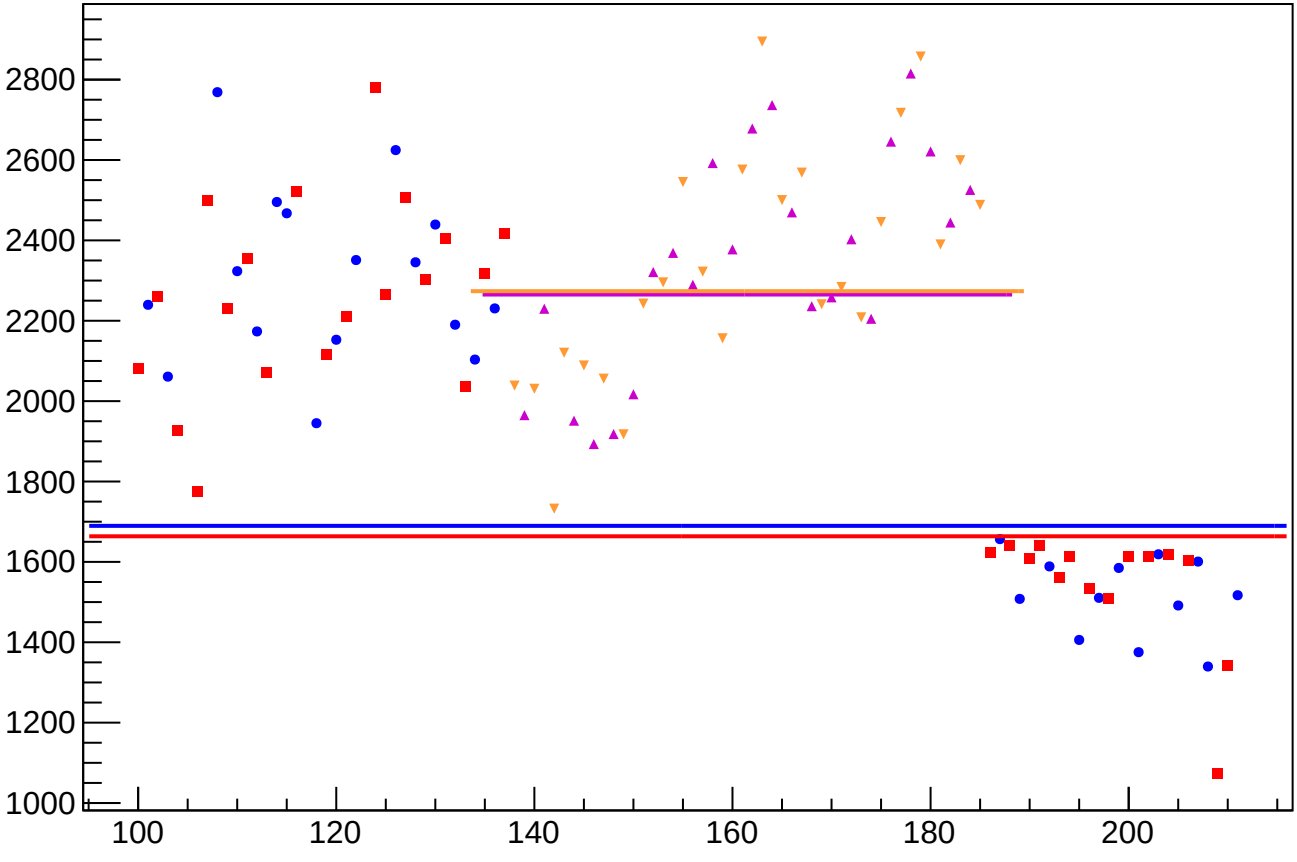
Left In: 0.329+/-0.535 χ^2/NDF:224.9/22

+ sign 8.872+/-0.329 χ^2/NDF: 380.8/52

All: 3.502+/-0.230 χ^2/NDF: 1387.3/108

- sign -1.590+/-0.321 χ^2/NDF: 488.8/55

diff_bpm0i01Y_rms vs Slug



Right In: 1689.679+/-0.301 χ^2/NDF: 1348755.5/27

Left Out: 2273.612+/-0.368 χ^2/NDF:536838.6/24

Right Out: 1663.699+/-0.283 χ^2/NDF: 1660060.6/32

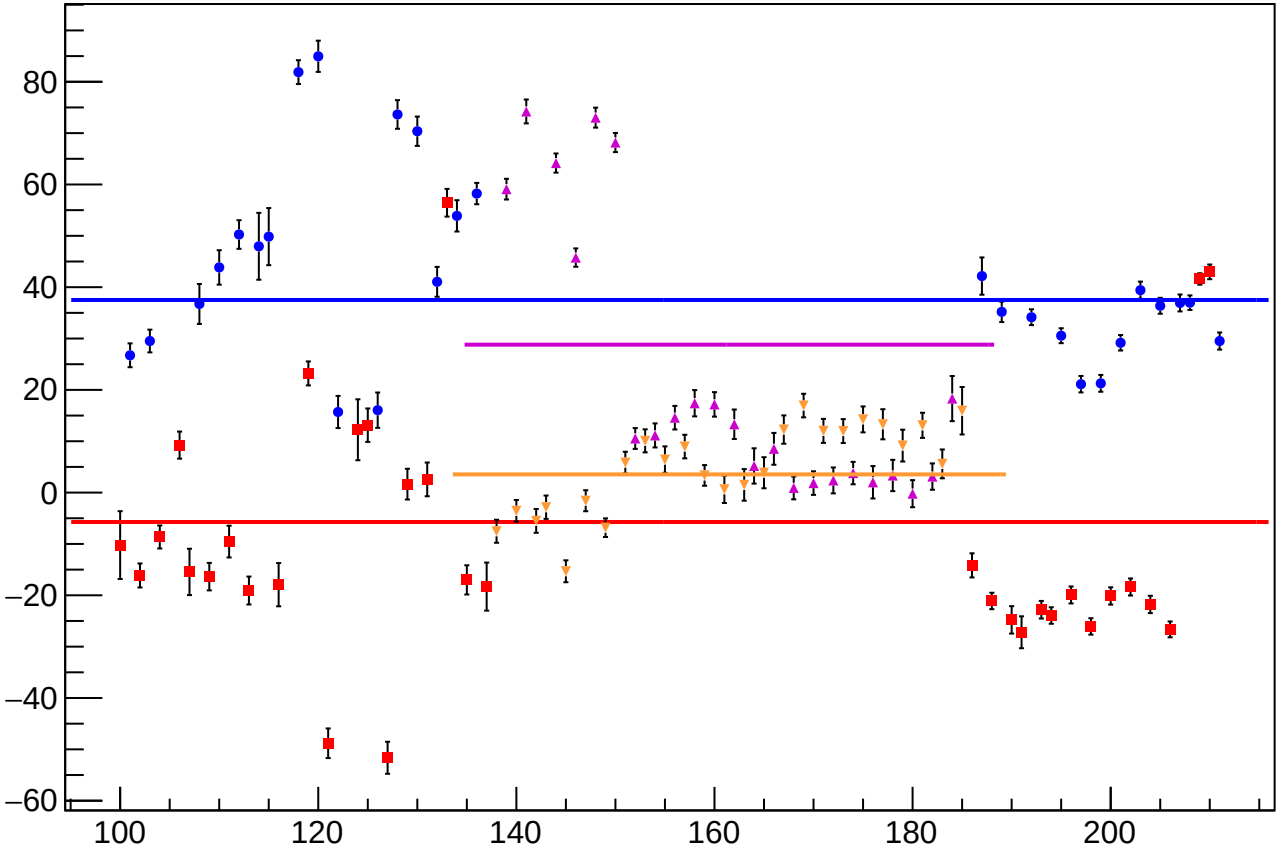
Left In: 2265.257+/-0.378 χ^2/NDF:495816.5/22

+ sign 1923.250+/-0.233 χ^2/NDF: 3394036.4/52

All: 1901.177+/-0.162 χ^2/NDF: 7188311.9/10

- sign 1880.250+/-0.227 χ^2/NDF: 3776780.7/55

diff_bpm0i01aX_mean vs Slug



Right In: 37.510+/-0.397 χ^2/NDF: 1481.5/27

Left Out: 3.544+/-0.480 χ^2/NDF:319.8/24

Right Out: -5.729+/-0.374 χ^2/NDF: 5350.6/32

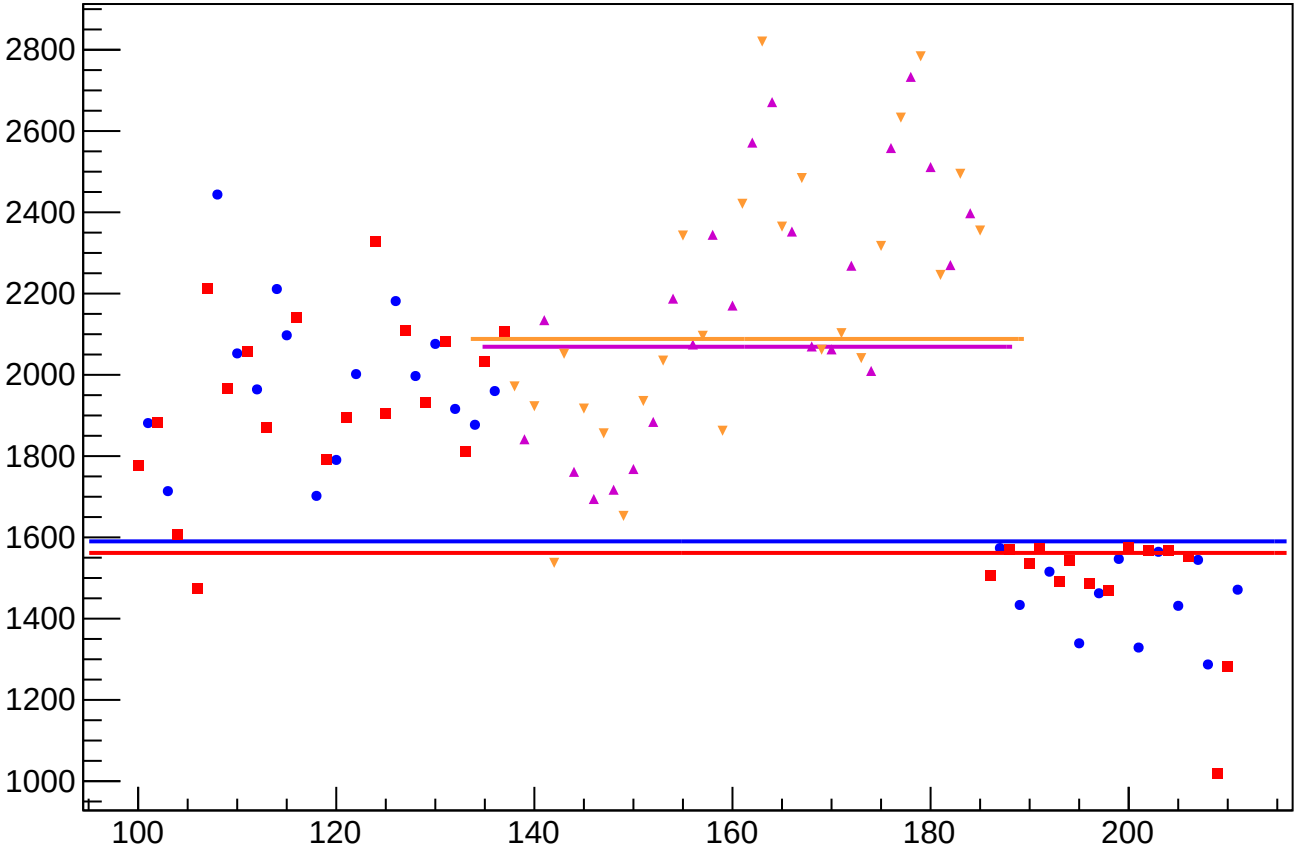
Left In: 28.804+/-0.491 χ^2/NDF:3262.5/22

+ sign 23.716+/-0.306 χ^2/NDF: 4771.7/52

All: 15.089+/-0.213 χ^2/NDF: 18062.5/108

- sign 6.945+/-0.297 χ^2/NDF: 11746.2/55

diff_bpm0i01aX_rms vs Slug



Right In: 1590.200+/-0.281 χ^2/NDF: 831804.6/27

Left Out: 2088.353+/-0.340 χ^2/NDF:787429.8/24

Right Out: 1561.736+/-0.264 χ^2/NDF: 1157031.7/32

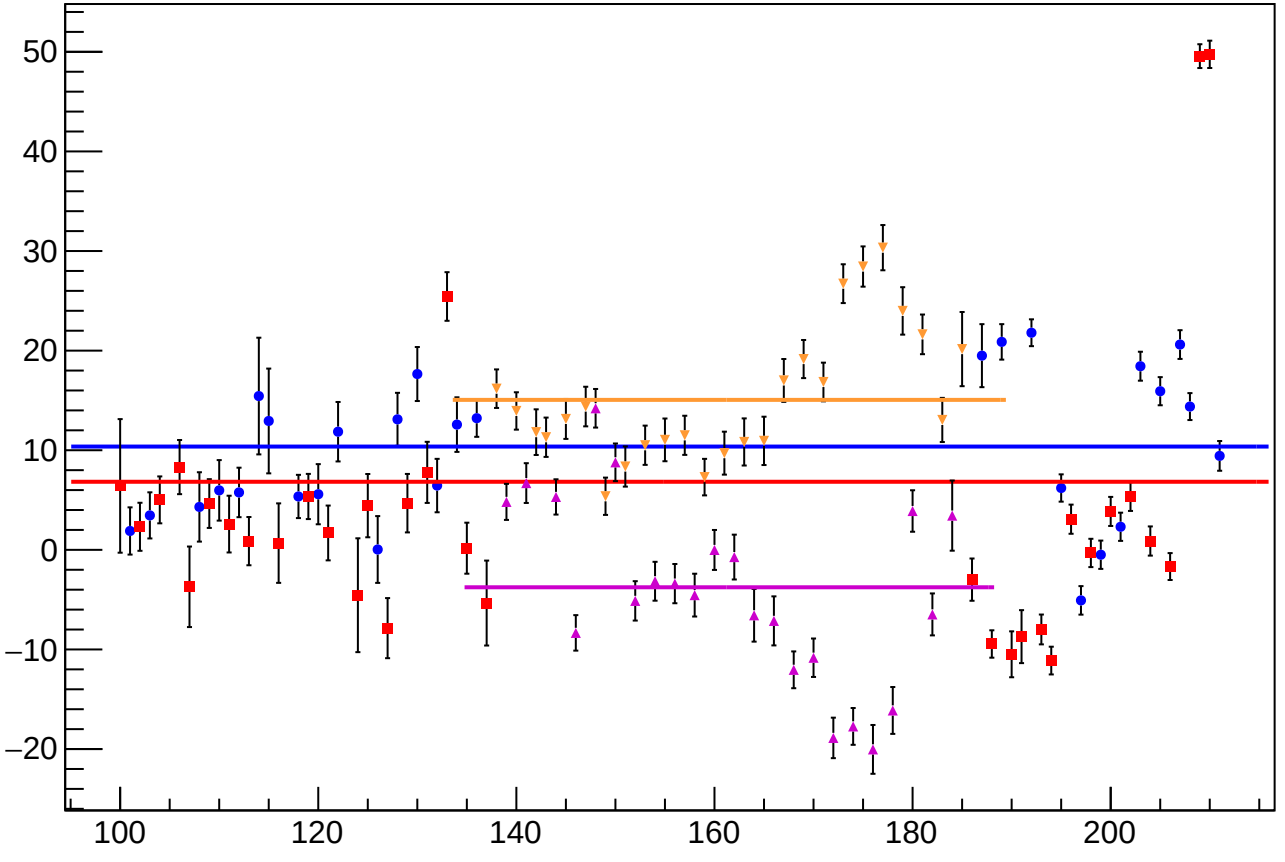
Left In: 2069.116+/-0.347 χ^2/NDF:711501.5/22

+ sign 1792.497+/-0.216 χ^2/NDF: 2897125.5/52

All: 1769.582+/-0.151 χ^2/NDF: 6140093.1/10

- sign 1747.949+/-0.210 χ^2/NDF: 3221171.4/55

diff_bpm0i01aY_mean vs Slug



Right In: 10.370+/-0.363 χ^2/NDF: 499.6/27

Left Out: 15.056+/-0.416 χ^2/NDF:246.2/24

Right Out: 6.835+/-0.344 χ^2/NDF: 2994.3/32

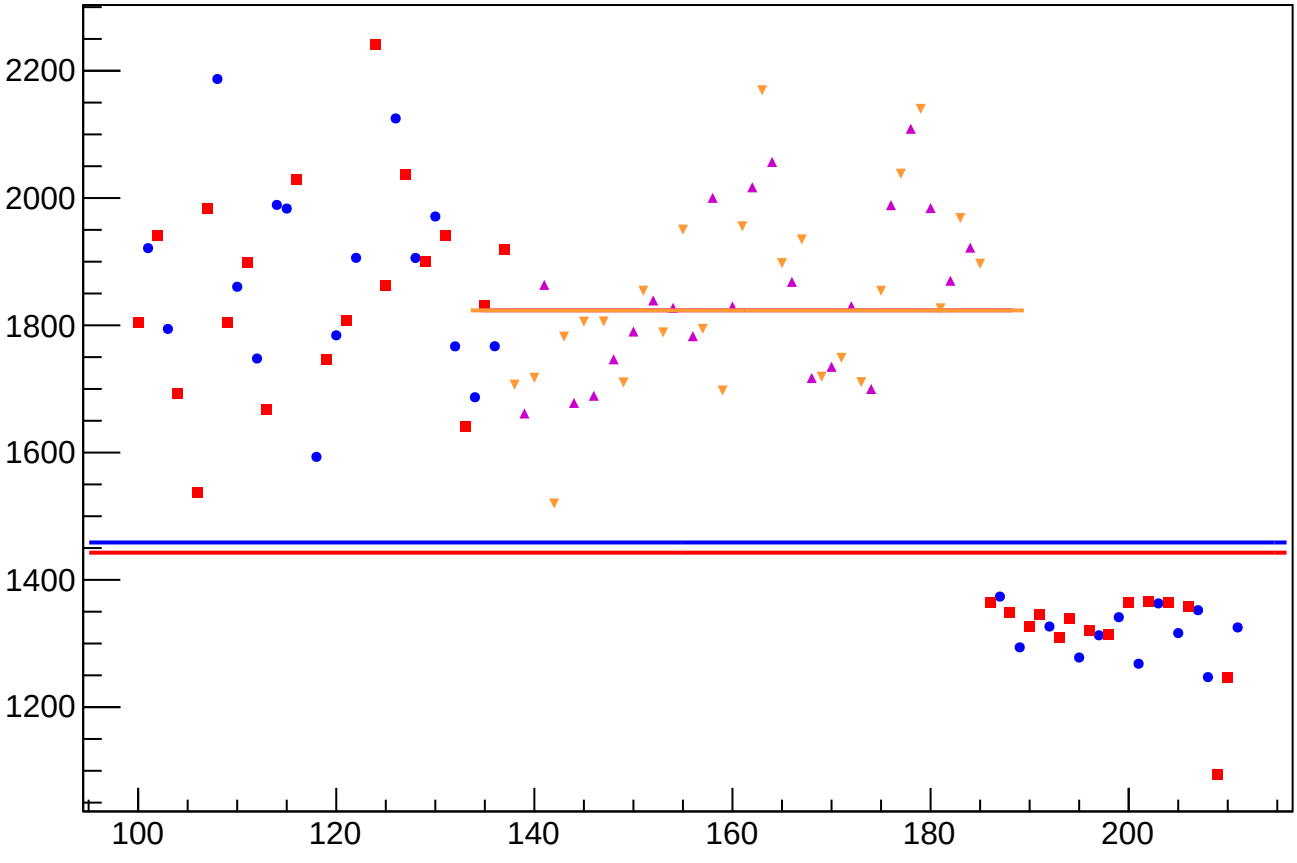
Left In: -3.758+/-0.428 χ^2/NDF:459.1/22

\+ sign 12.400+/-0.274 χ^2/NDF: 817.8/52

All: 7.439+/-0.191 χ^2/NDF: 5288.0/108

\- sign 2.677+/-0.268 χ^2/NDF: 3825.8/55

diff_bpm0i01aY_rms vs Slug



Right In: 1458.762+/-0.257 χ^2/NDF: 929242.5/27

Left Out: 1823.452+/-0.294 χ^2/NDF:211274.0/24

Right Out: 1442.740+/-0.243 χ^2/NDF: 1028190.8/32

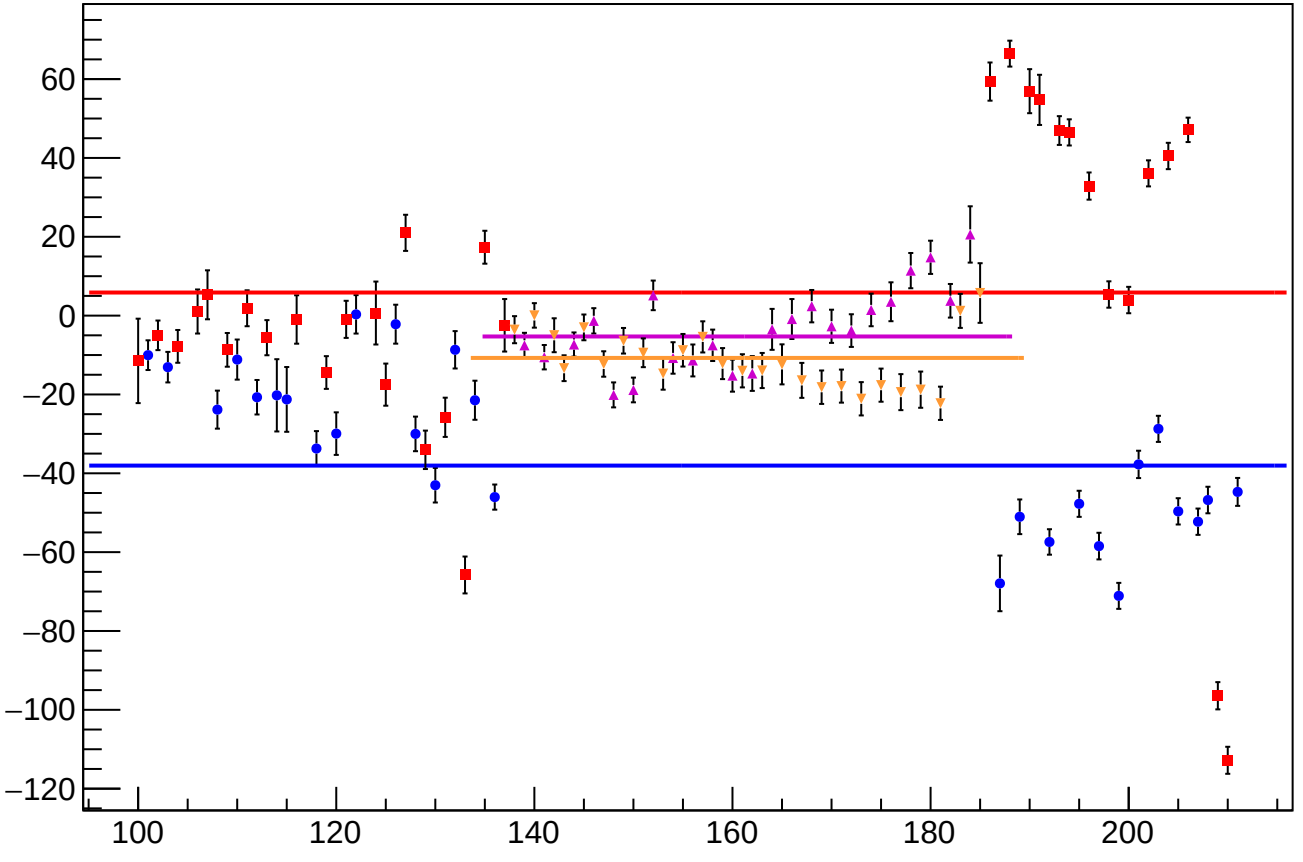
Left In: 1823.627+/-0.303 χ^2/NDF:163768.2/22

+ sign 1616.738+/-0.193 χ^2/NDF: 2013064.2/52

All: 1604.238+/-0.135 χ^2/NDF: 4176240.9/10

- sign 1592.240+/-0.190 χ^2/NDF: 2154994.7/55

diff_bpm0l01X_mean vs Slug



Right In: -38.046+/-0.764 χ^2/NDF: 592.3/27

Left Out: -10.732+/-0.794 χ^2/NDF:73.8/24

Right Out: 5.859+/-0.733 χ^2/NDF: 3837.1/32

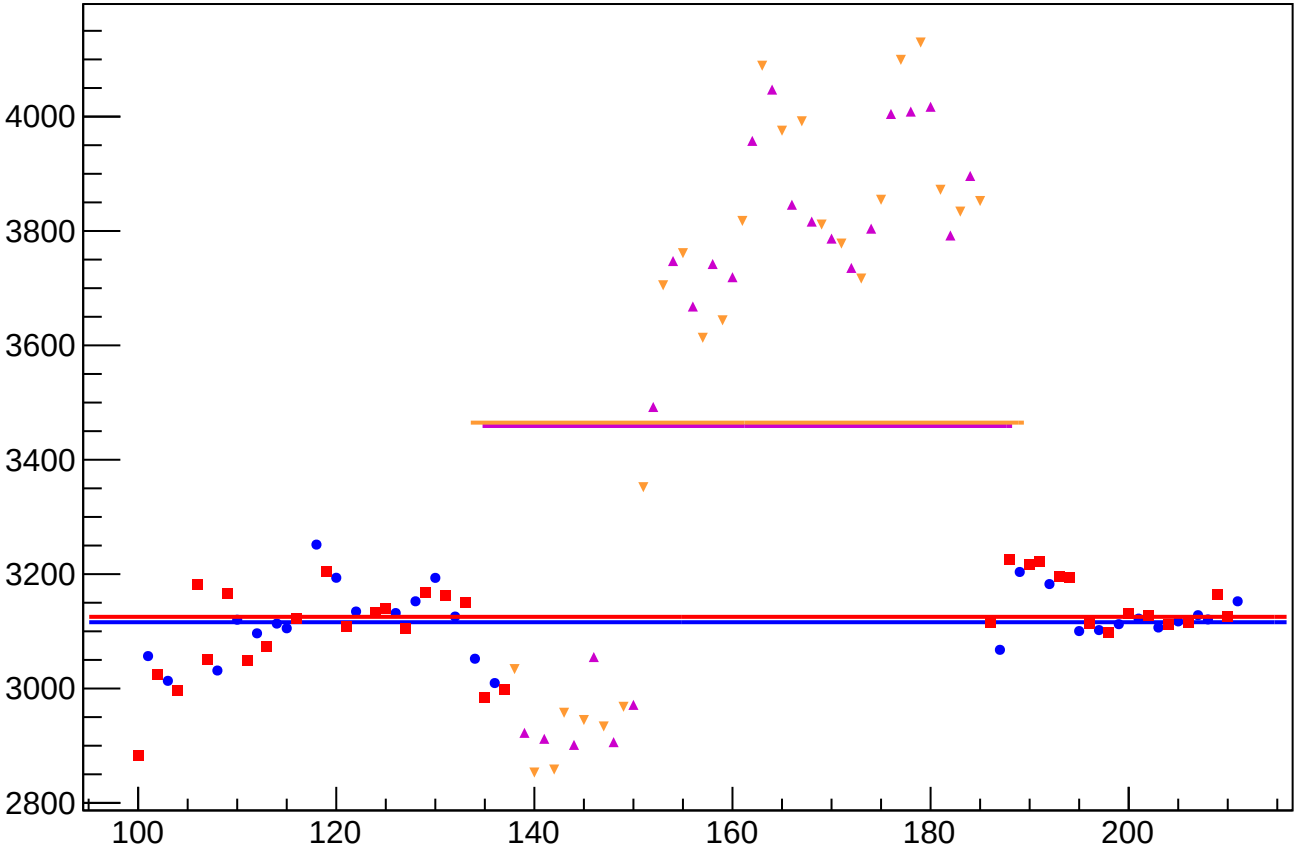
Left In: -5.291+/-0.814 χ^2/NDF:133.6/22

+ sign -24.915+/-0.550 χ^2/NDF: 1280.8/52

All: -11.897+/-0.387 χ^2/NDF: 6463.0/108

- sign 0.866+/-0.545 χ^2/NDF: 4074.2/55

diff_bpm0l01X_rms vs Slug



Right In: 3115.920+/-0.540 χ^2/NDF: 10323.4/27

Left Out: 3464.906+/-0.561 χ^2/NDF:644023.5/24

Right Out: 3125.336+/-0.519 χ^2/NDF: 14951.1/32

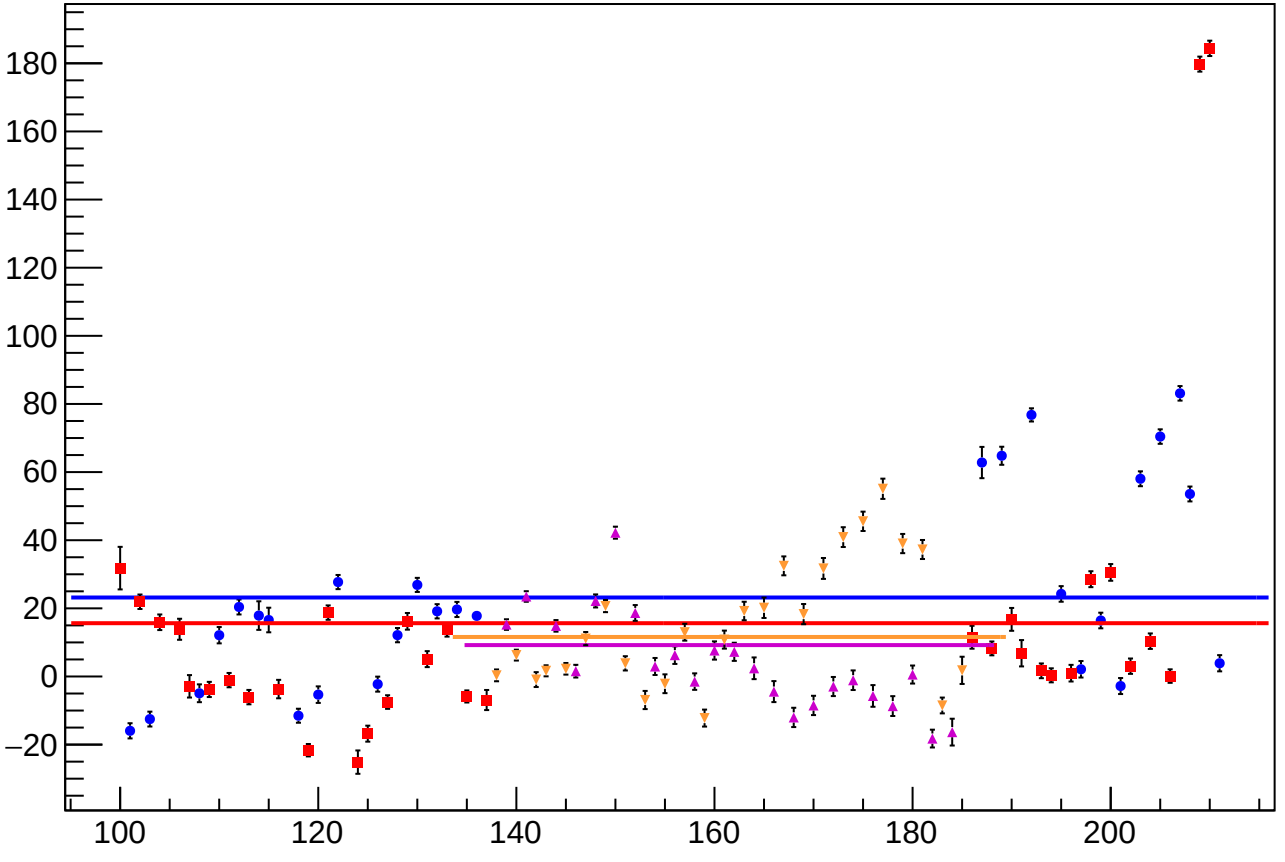
Left In: 3459.050+/-0.576 χ^2/NDF:583309.1/22

+ sign 3283.691+/-0.389 χ^2/NDF: 855068.6/52

All: 3279.195+/-0.274 χ^2/NDF: 1639059.2/10

- sign 3274.787+/-0.385 χ^2/NDF: 783726.4/55

diff_bpm0l01Y_mean vs Slug



Right In: 23.184+/-0.421 χ^2/NDF: 4422.6/27

Left Out: 11.599+/-0.463 χ^2/NDF:1196.9/24

Right Out: 15.643+/-0.408 χ^2/NDF: 12922.4/32

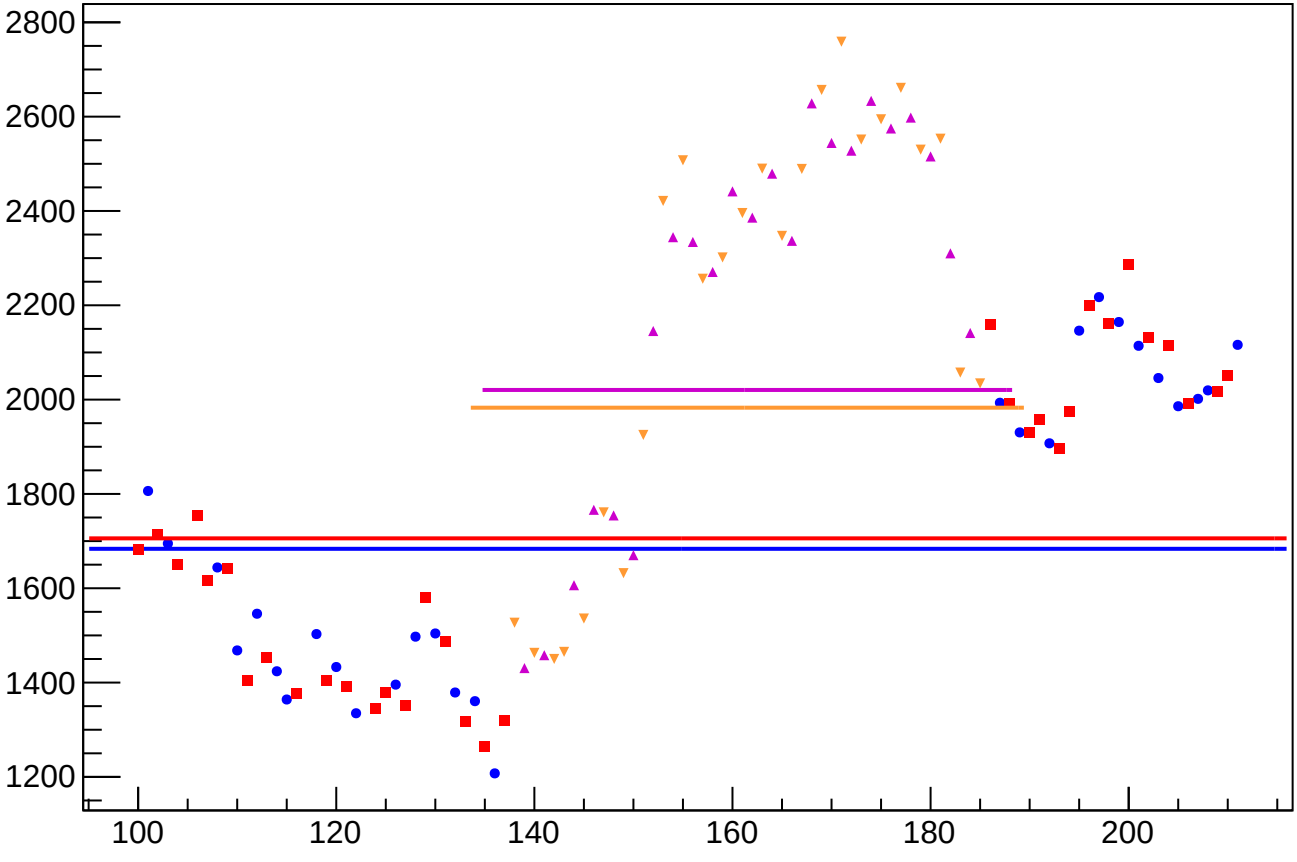
Left In: 9.213+/-0.484 χ^2/NDF:940.6/22

\+ sign 17.943+/-0.312 χ^2/NDF: 5961.8/52

All: 15.459+/-0.220 χ^2/NDF: 20055.2/108

\- sign 12.970+/-0.312 χ^2/NDF: 13966.2/55

diff_bpm0l01Y_rms vs Slug



Right In: 1683.639+/-0.298 χ^2/NDF: 1211500.9/27

Left Out: 1982.871+/-0.328 χ^2/NDF:1977669.4/24

Right Out: 1705.798+/-0.289 χ^2/NDF: 1263657.5/32

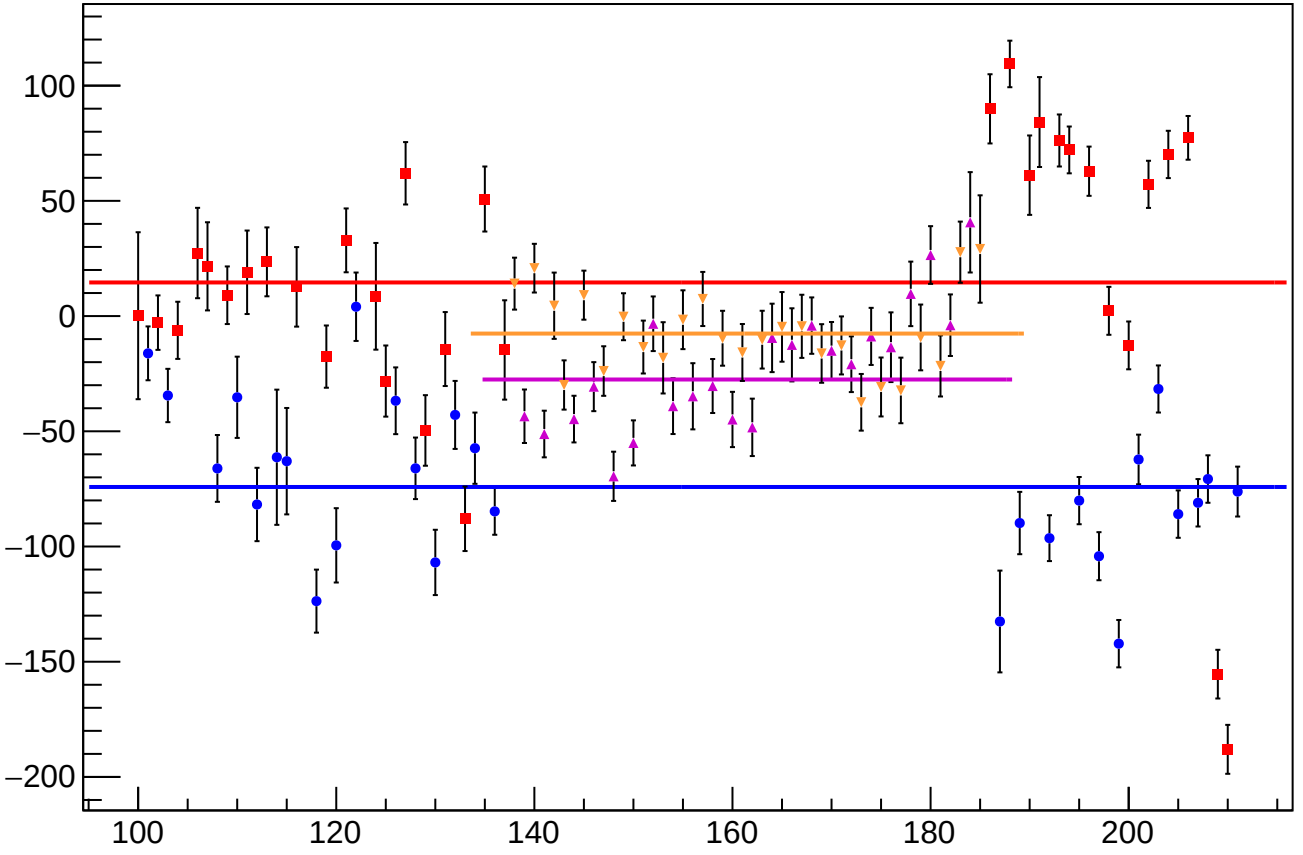
Left In: 2020.468+/-0.342 χ^2/NDF:1614691.2/22

+ sign 1818.997+/-0.220 χ^2/NDF: 3645844.7/52

All: 1827.791+/-0.156 χ^2/NDF: 7021739.2/10

- sign 1836.600+/-0.221 χ^2/NDF: 3372707.4/55

diff_bpm0l02X_mean vs Slug



Right In: -74.168+/-2.369 χ^2/NDF: 190.9/27

Left Out: -7.594+/-2.495 χ^2/NDF:47.9/24

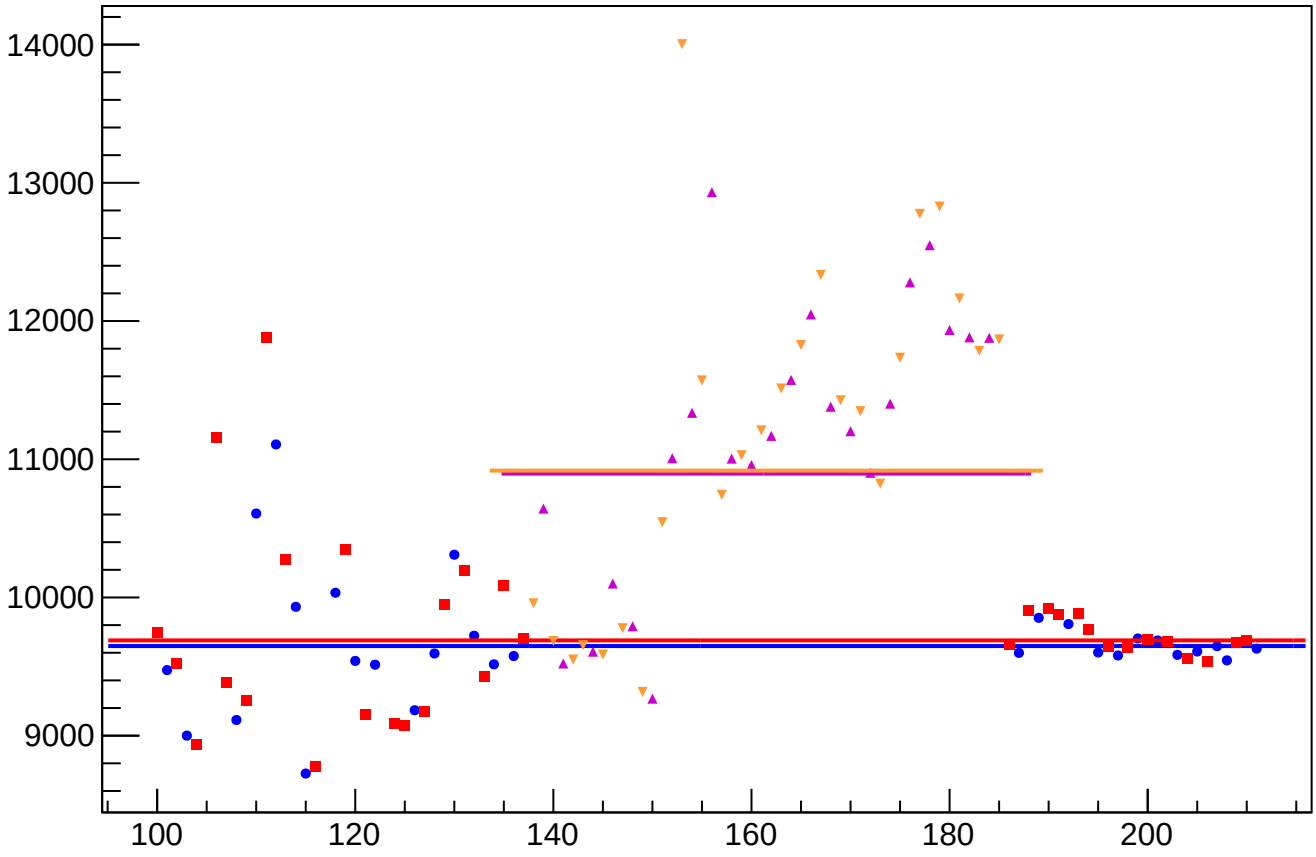
Right Out: 14.586+/-2.278 χ^2/NDF: 1054.0/32

Left In: -27.528+/-2.556 χ^2/NDF:93.0/22

+ sign -42.603+/-1.718 χ^2/NDF: 613.2/52

All: -23.133+/-1.209 χ^2/NDF: 2165.8/108

- sign -4.052+/-1.701 χ^2/NDF: 1298.3/55



Right In: 9648.368+/-1.675 χ^2/NDF: 45605.4/27

Left Out: 10917.711+/-1.764 χ^2/NDF:425841.1/24

Right Out: 9689.442+/-1.611 χ^2/NDF: 83042.5/32

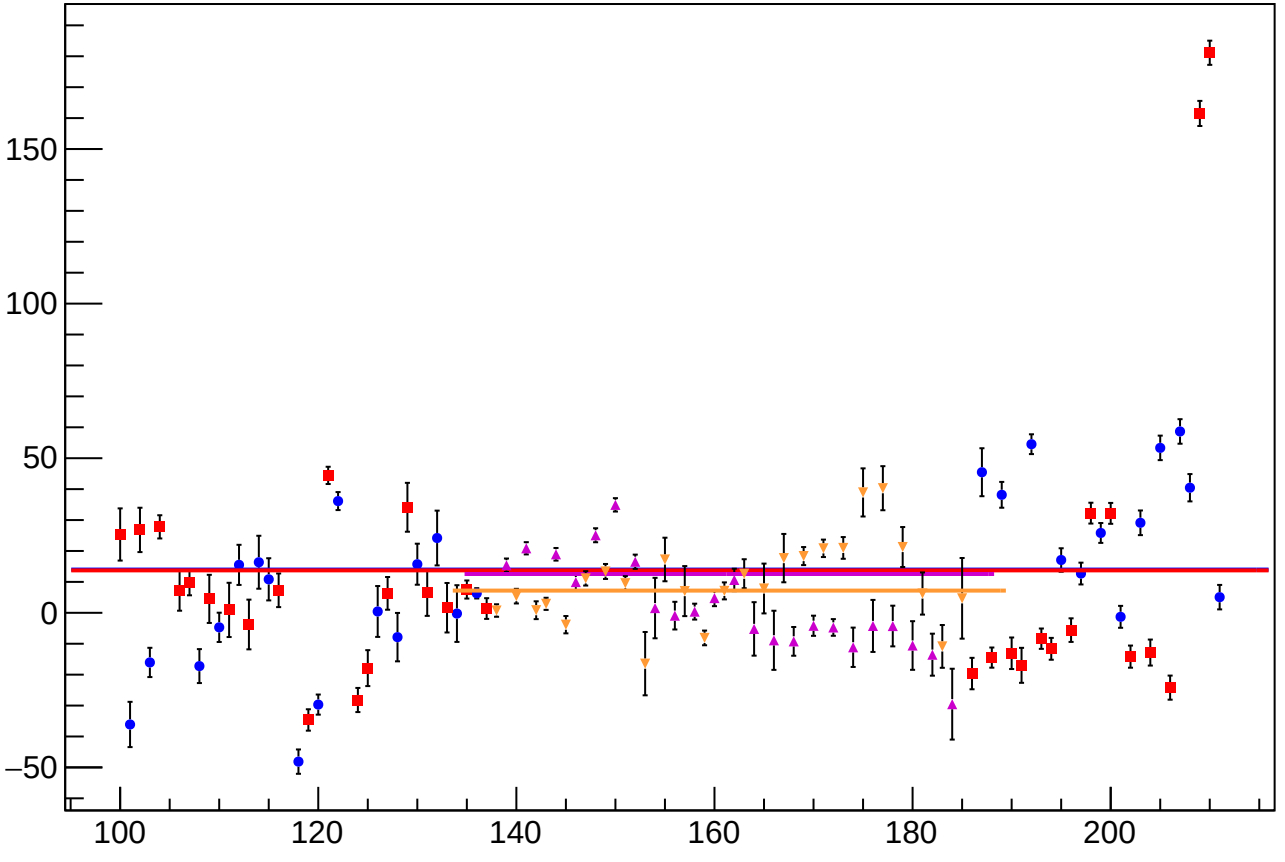
Left In: 10895.992+/-1.808 χ^2/NDF:298059.2/22

\+ sign 10250.201+/-1.215 χ^2/NDF: 743660.9/52

All: 10236.679+/-0.855 χ^2/NDF: 1373336.1/1

\- sign 10223.428+/-1.203 χ^2/NDF: 629429.9/55

diff_bpm0l02Y_mean vs Slug



Right In: 13.984+/-0.763 χ^2/NDF: 1182.1/27

Left Out: 7.185+/-0.654 χ^2/NDF:201.7/24

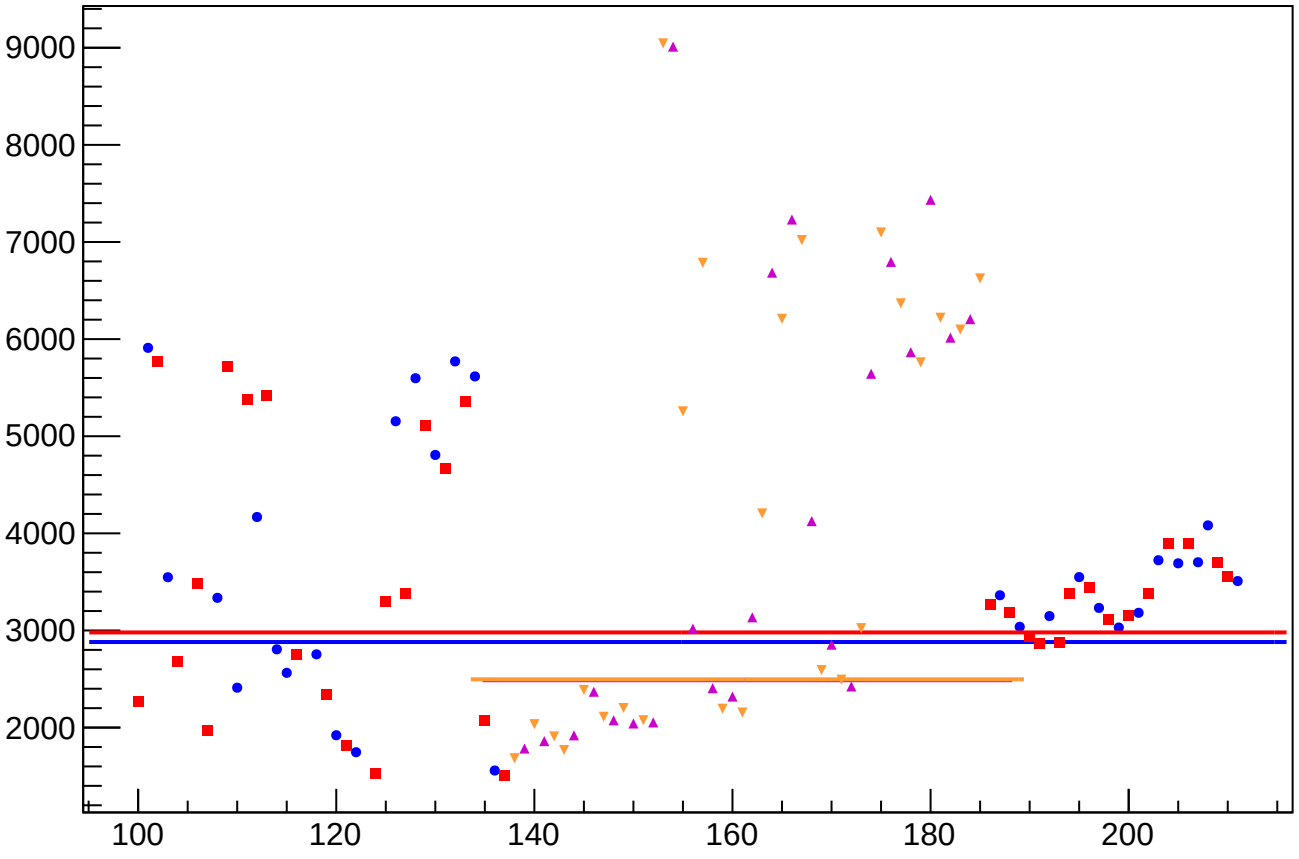
Right Out: 13.727+/-0.743 χ^2/NDF: 4233.3/32

Left In: 12.553+/-0.661 χ^2/NDF:372.1/22

+ sign 10.063+/-0.496 χ^2/NDF: 1429.6/52

All: 11.576+/-0.350 χ^2/NDF: 6054.9/108

- sign 13.071+/-0.494 χ^2/NDF: 4606.8/55



Right In: 2880.928+/-0.539 χ^2/NDF: 3772466.7/27

Left Out: 2496.801+/-0.462 χ^2/NDF:7205827.8/24

Right Out: 2979.874+/-0.525 χ^2/NDF: 3185594.2/32

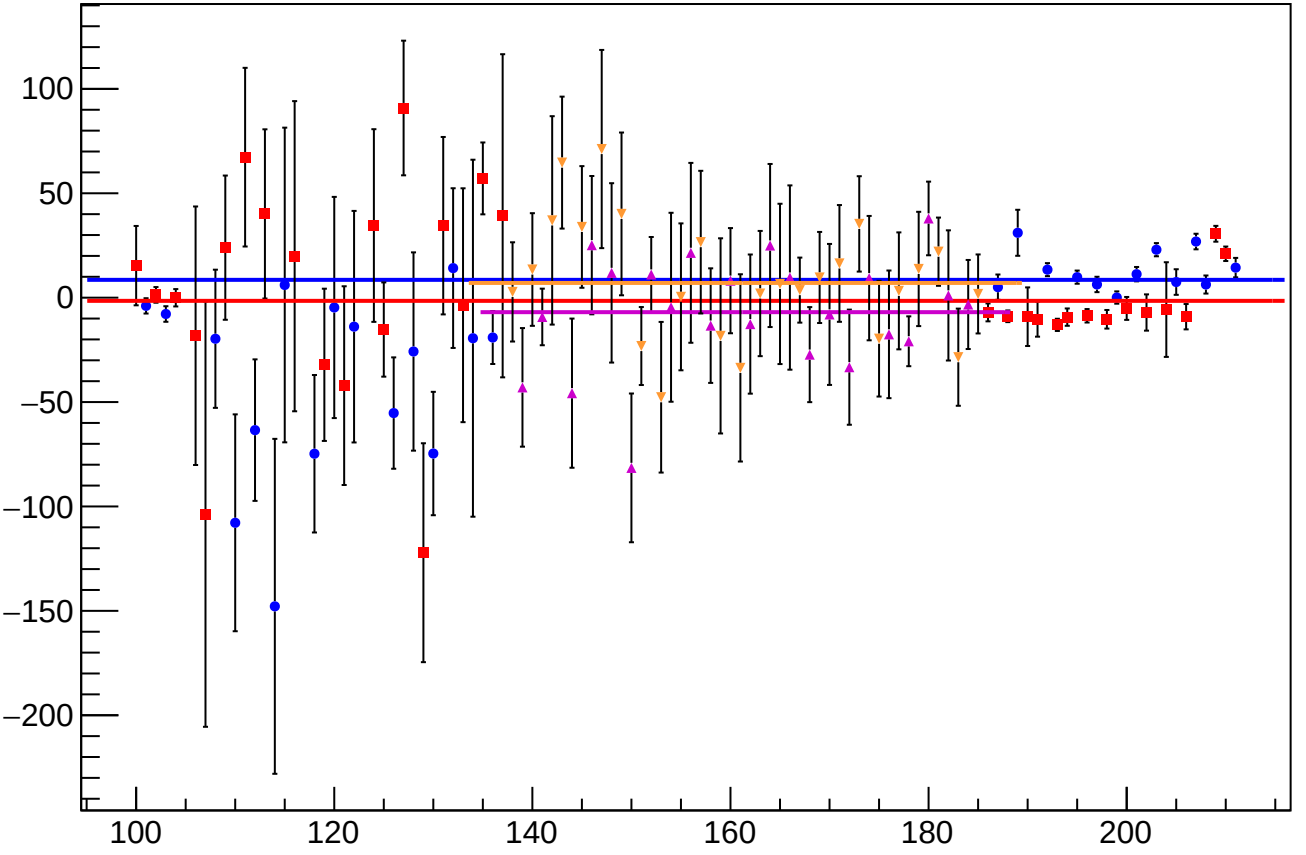
Left In: 2487.721+/-0.467 χ^2/NDF:6103466.5/22

+ sign 2659.391+/-0.351 χ^2/NDF: 11270670.5/52

All: 2682.372+/-0.247 χ^2/NDF: 21058656.5/1

- sign 2705.093+/-0.349 χ^2/NDF: 9779460.4/55

diff_bpm0l03X_mean vs Slug



Right In: 8.537+/-1.015 χ^2/NDF: 132.4/27

Left Out: 7.059+/-5.227 χ^2/NDF:19.6/24

Right Out: -1.523+/-1.057 χ^2/NDF: 189.8/32

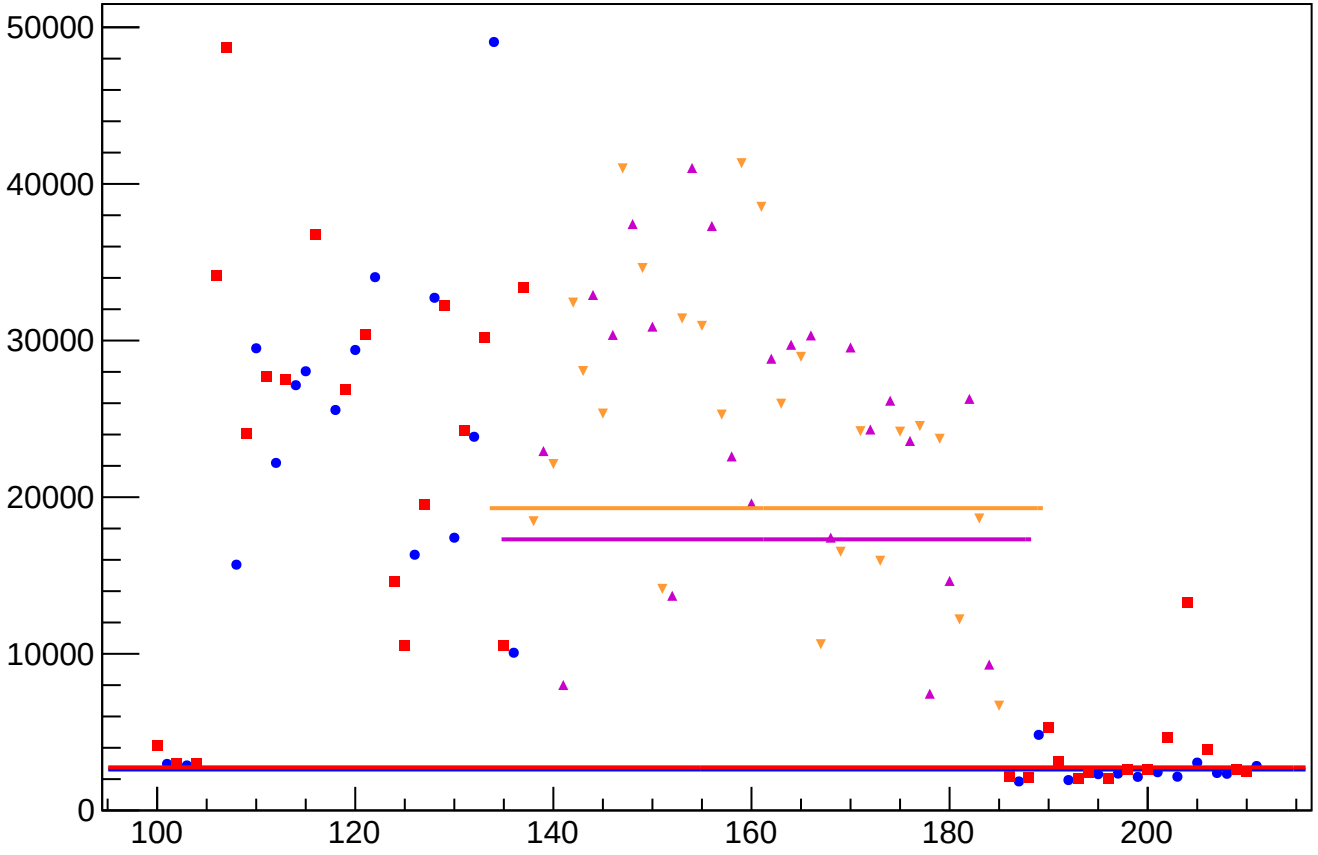
Left In: -6.944+/-5.090 χ^2/NDF:21.1/22

+ sign 8.483+/-0.996 χ^2/NDF: 152.0/52

All: 3.564+/-0.718 χ^2/NDF: 414.7/108

- sign -1.747+/-1.035 χ^2/NDF: 212.0/55

diff_bpm0l03X_rms vs Slug



Right In: 2615.153+/-0.718 χ^2/NDF: 7949549.6/27

Left Out: 19299.351+/-3.696 χ^2/NDF:5037014.9/24

Right Out: 2751.162+/-0.748 χ^2/NDF: 9419939.6/32

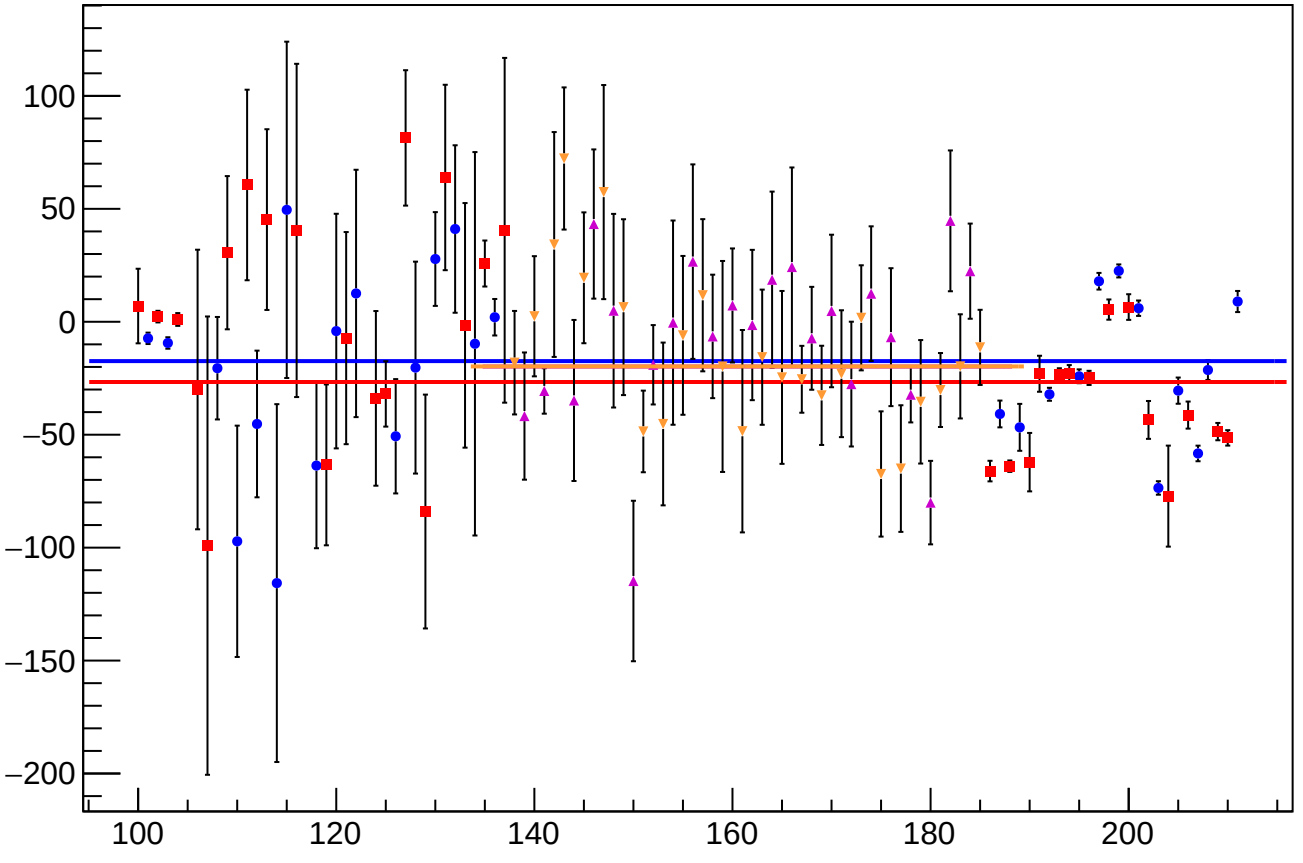
Left In: 17309.081+/-3.600 χ^2/NDF:6719993.9/22

+ sign 3221.210+/-0.705 χ^2/NDF: 32619449.2/52

All: 3284.665+/-0.508 χ^2/NDF: 64457073.1/1

- sign 3353.166+/-0.732 χ^2/NDF: 31820753.3/55

diff_bpm0l03Y_mean vs Slug



Right In: -17.413+/-0.911 χ^2/NDF: 965.2/27

Left Out: -19.769+/-5.117 χ^2/NDF:27.8/24

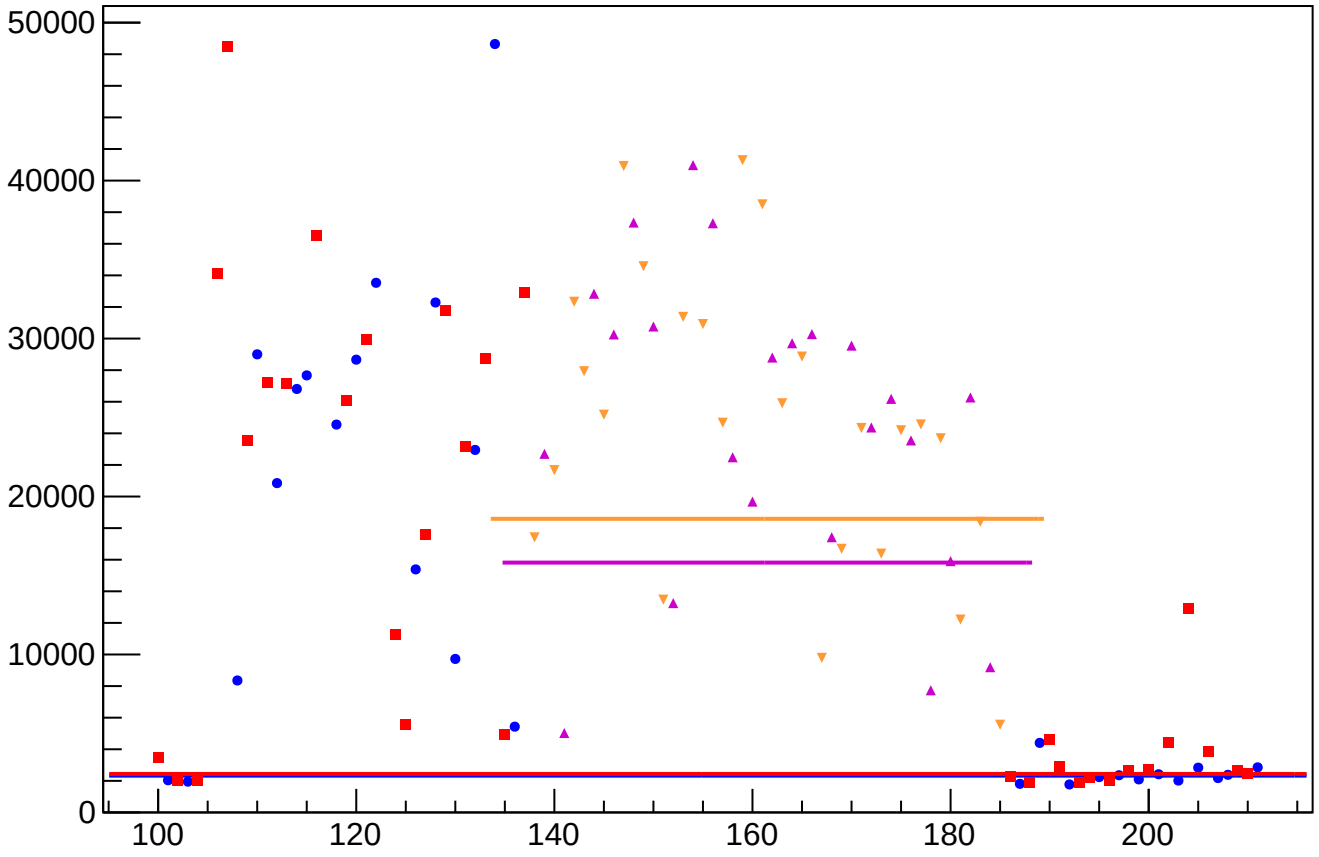
Right Out: -26.664+/-0.948 χ^2/NDF: 774.7/32

Left In: -19.822+/-4.846 χ^2/NDF:40.3/22

+ sign -17.486+/-0.896 χ^2/NDF: 993.2/52

All: -21.781+/-0.646 χ^2/NDF: 1857.9/108

- sign -26.412+/-0.931 χ^2/NDF: 816.9/55



Right In: 2332.384+/-0.644 χ^2/NDF: 7093097.8/27

Left Out: 18589.195+/-3.618 χ^2/NDF:5698567.3/24

Right Out: 2437.571+/-0.671 χ^2/NDF: 9016514.7/32

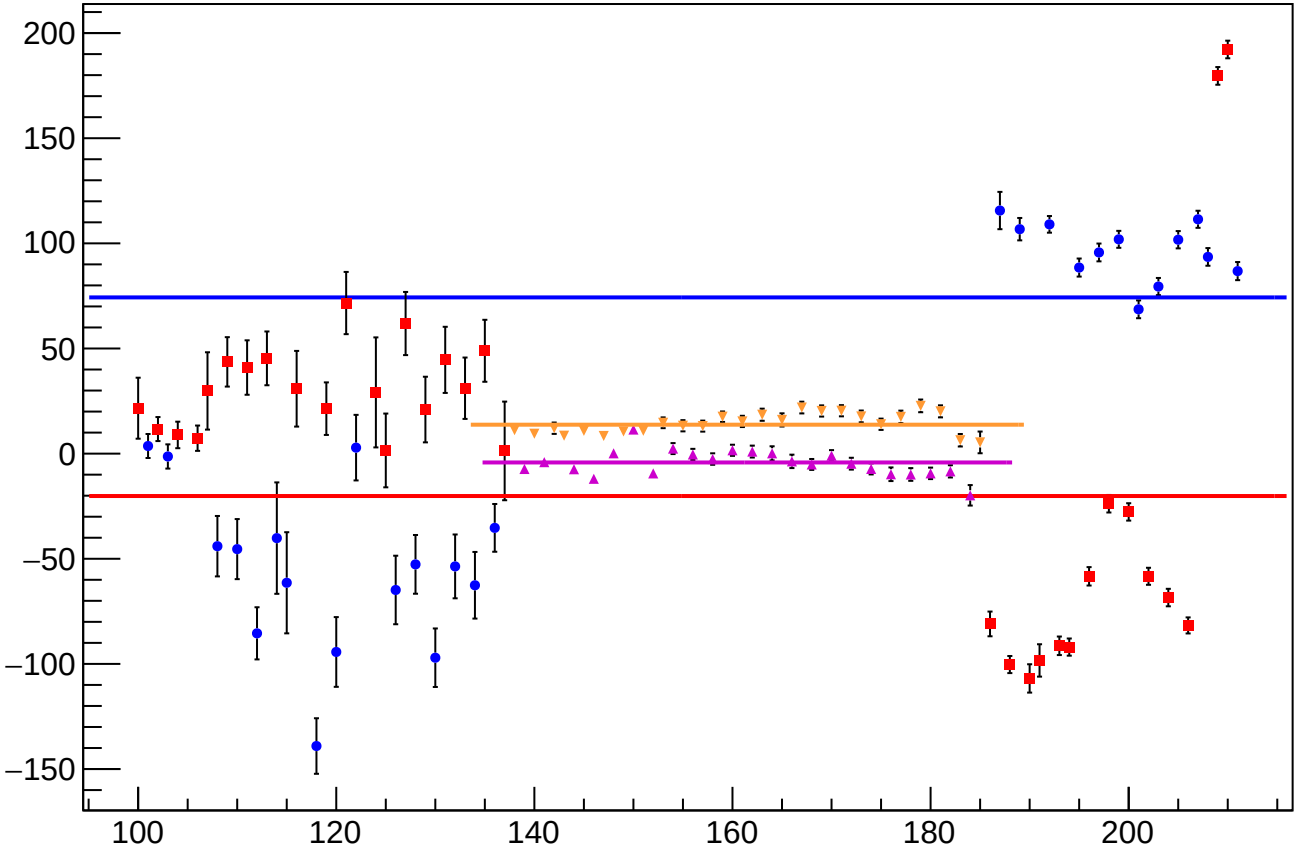
Left In: 15817.655+/-3.426 χ^2/NDF:8406830.8/22

+ sign 2831.423+/-0.634 χ^2/NDF: 32361039.0/52

All: 2879.479+/-0.457 χ^2/NDF: 64483161.6/1

- sign 2931.284+/-0.658 χ^2/NDF: 32110180.0/55

diff_bpm0l04X_mean vs Slug



Right In: 74.296+/-1.152 χ^2/NDF: 1991.6/27

Left Out: 13.761+/-0.514 χ^2/NDF:77.2/24

Right Out: -20.162+/-1.077 χ^2/NDF: 7045.4/32

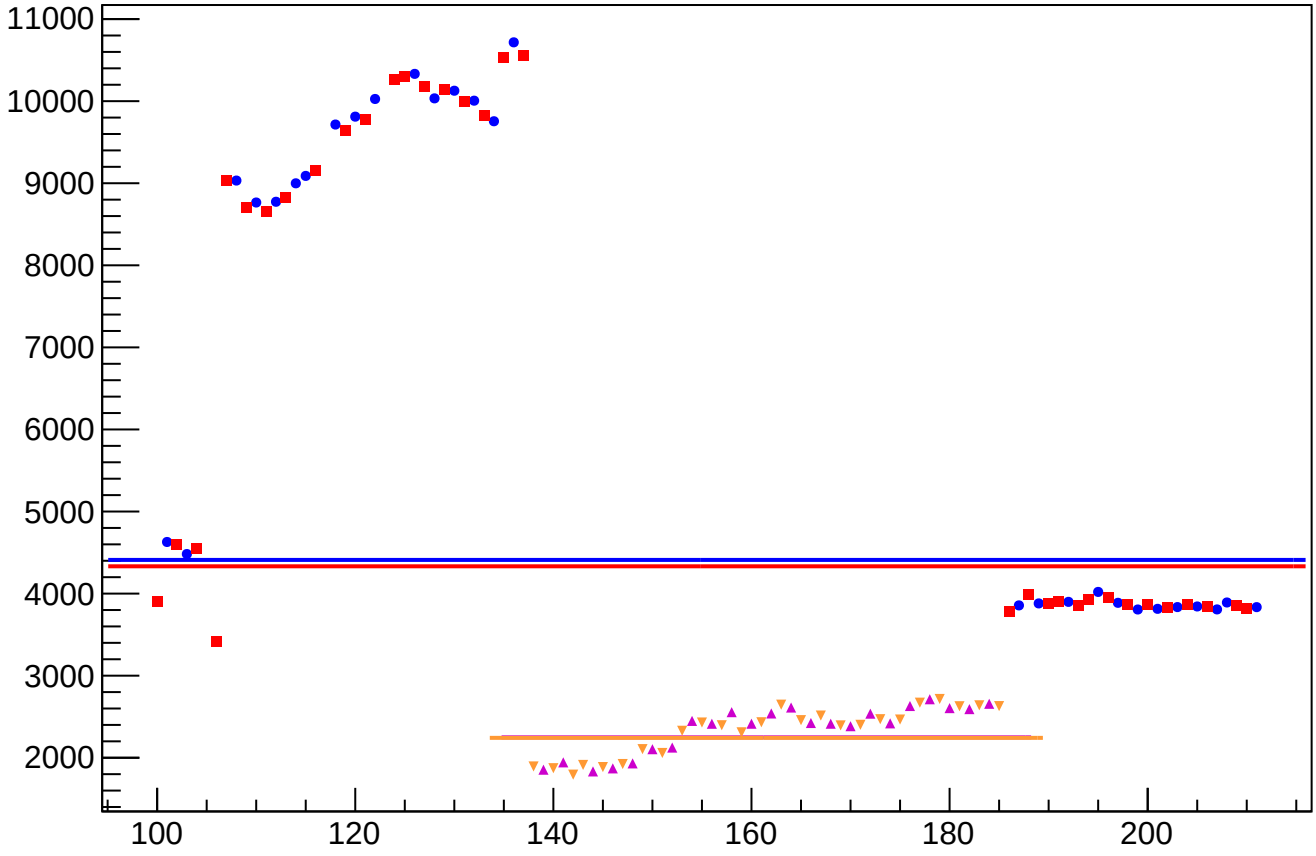
Left In: -4.202+/-0.530 χ^2/NDF:123.9/22

+ sign 23.805+/-0.469 χ^2/NDF: 4370.3/52

All: 8.448+/-0.334 χ^2/NDF: 13885.1/108

- sign -7.315+/-0.476 χ^2/NDF: 7346.1/55

diff_bpm0l04X_rms vs Slug



Right In: 4410.450+/-0.815 χ^2/NDF: 3995977.1/27

Left Out: 2242.334+/-0.363 χ^2/NDF:657865.5/24

Right Out: 4332.619+/-0.762 χ^2/NDF: 3961587.9/32

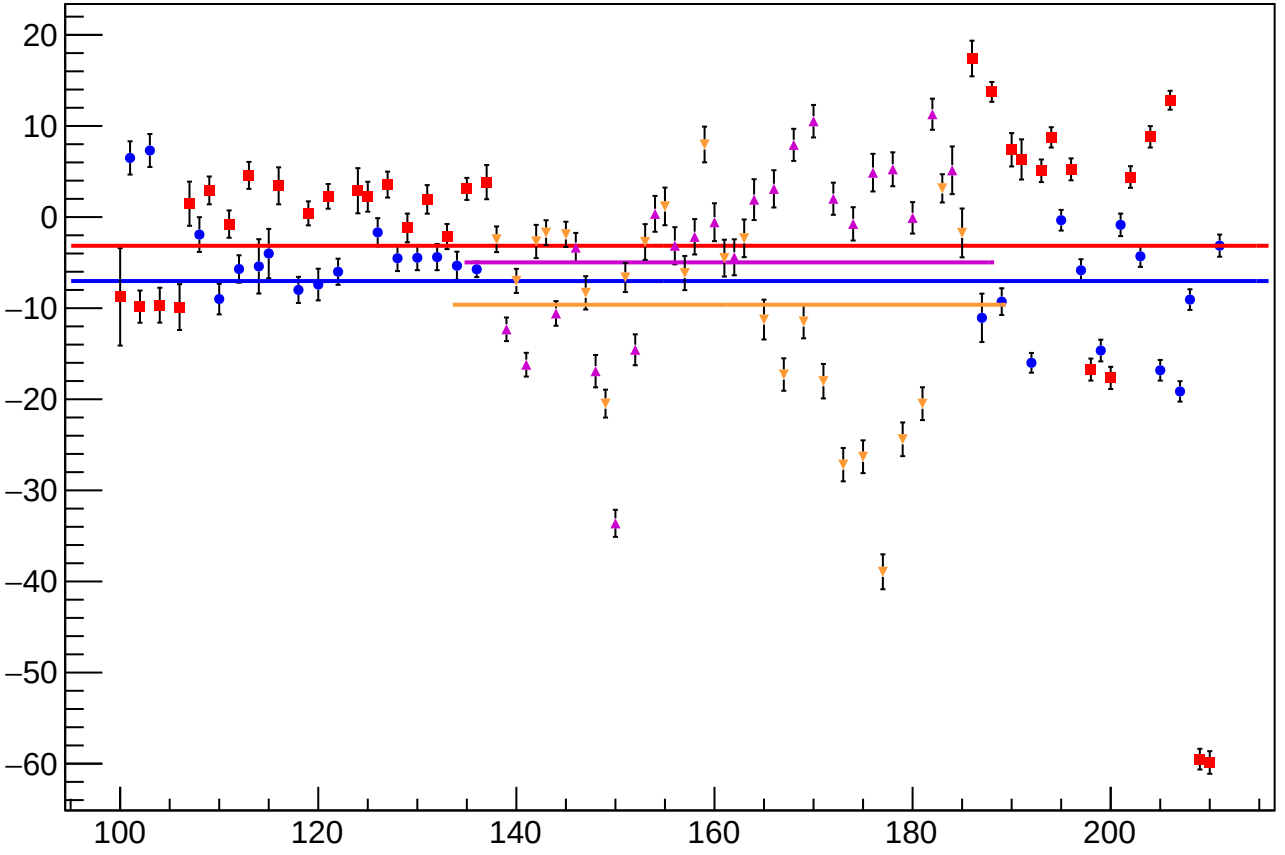
Left In: 2248.582+/-0.375 χ^2/NDF:642255.3/22

+ sign 2602.089+/-0.332 χ^2/NDF: 10558364.4/52

All: 2628.187+/-0.236 χ^2/NDF: 21203399.8/1

- sign 2654.974+/-0.336 χ^2/NDF: 10632508.6/55

diff_bpm0l04Y_mean vs Slug



Right In: -7.024+/-0.259 χ^2/NDF: 538.6/27

Left Out: -9.622+/-0.349 χ^2/NDF:934.3/24

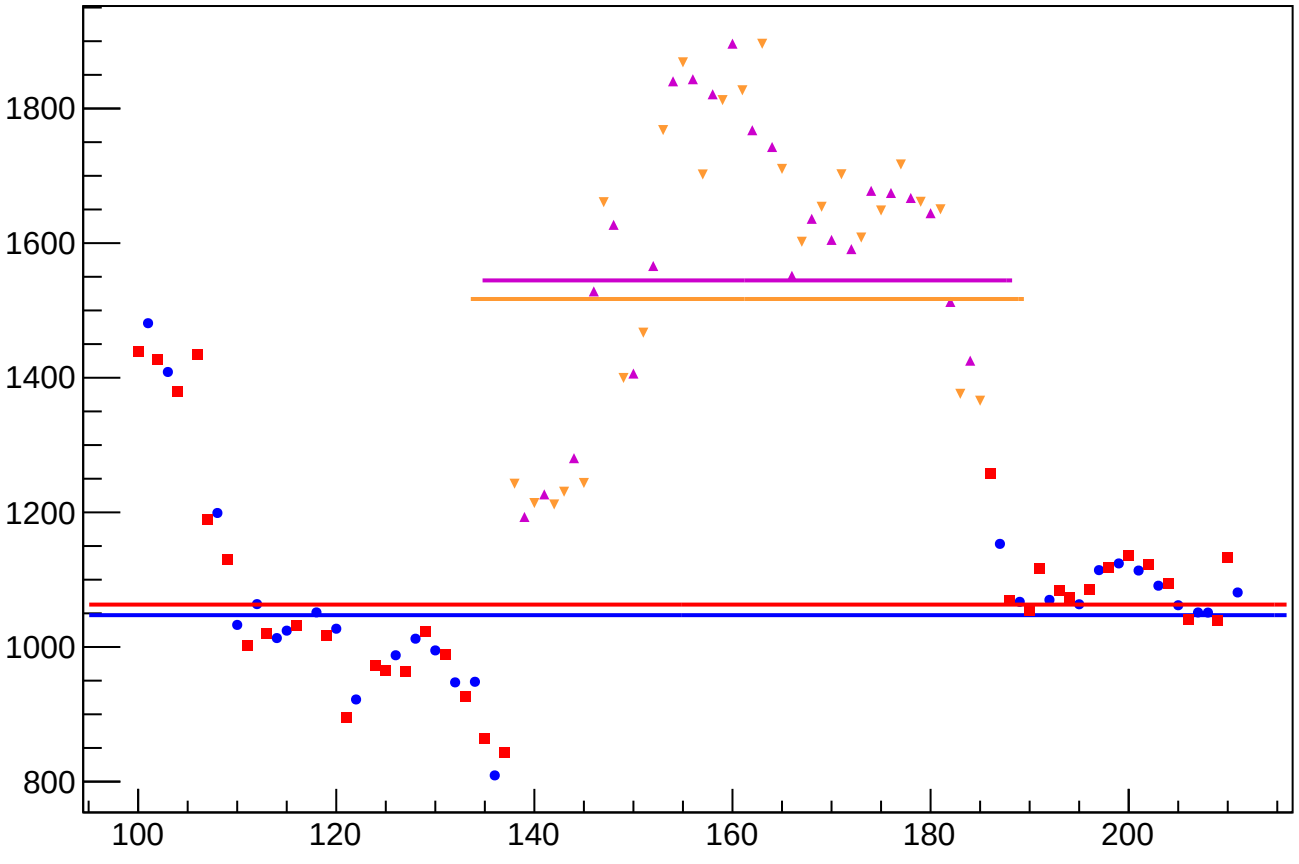
Right Out: -3.151+/-0.251 χ^2/NDF: 6017.0/32

Left In: -4.974+/-0.365 χ^2/NDF:929.8/22

+ sign -7.944+/-0.208 χ^2/NDF: 1508.6/52

All: -5.830+/-0.147 χ^2/NDF: 8678.5/108

- sign -3.737+/-0.207 χ^2/NDF: 6963.8/55



Right In: 1047.291+/-0.183 χ^2/NDF: 429852.2/27

Left Out: 1517.008+/-0.247 χ^2/NDF:832983.9/24

Right Out: 1062.995+/-0.177 χ^2/NDF: 414102.8/32

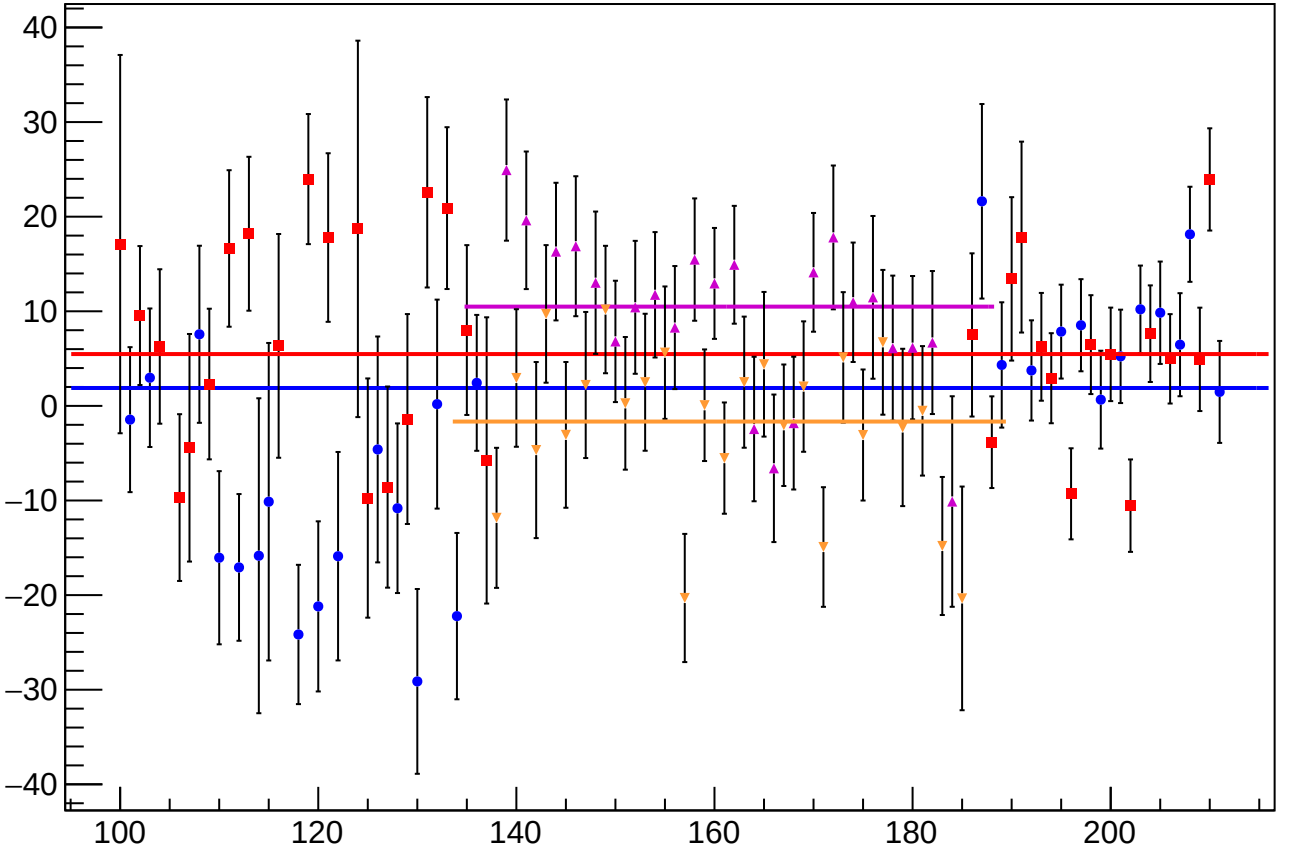
Left In: 1544.620+/-0.258 χ^2/NDF:638659.4/22

+ sign 1213.631+/-0.147 χ^2/NDF: 3601354.2/52

All: 1215.731+/-0.104 χ^2/NDF: 7022447.5/10

- sign 1217.810+/-0.146 χ^2/NDF: 3420686.7/55

diff_bpm0l05X_mean vs Slug



Right In: 1.893+/-1.280 χ^2/NDF: 78.0/27

Left Out: -1.655+/-1.426 χ^2/NDF:31.5/24

Right Out: 5.479+/-1.216 χ^2/NDF: 67.2/32

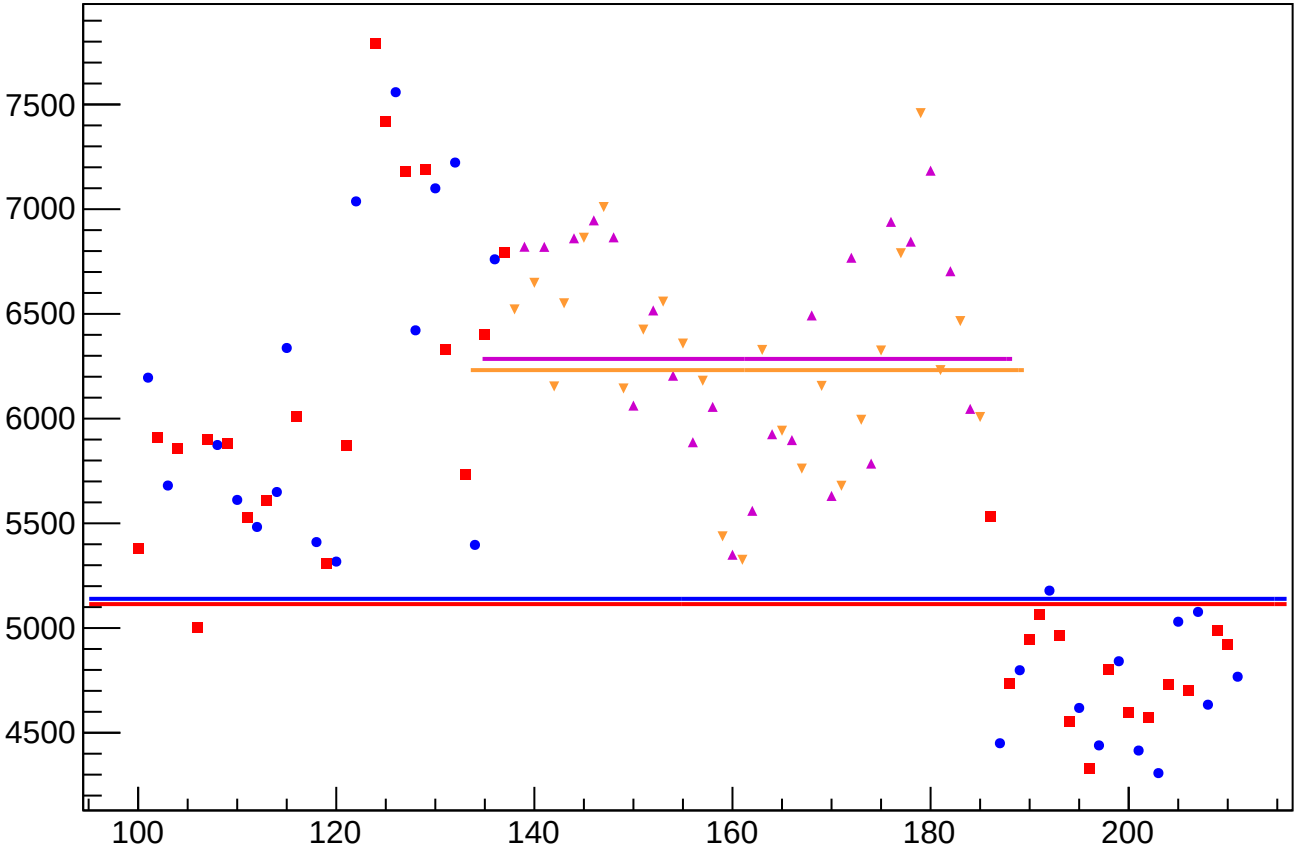
Left In: 10.492+/-1.480 χ^2/NDF:24.9/22

+ sign 0.310+/-0.953 χ^2/NDF: 112.9/52

All: 3.955+/-0.669 χ^2/NDF: 240.7/108

- sign 7.500+/-0.940 χ^2/NDF: 98.9/55

diff_bpm0l05X_rms vs Slug



Right In: 5139.465+/-0.905 χ^2/NDF: 746867.1/27

Left Out: 6231.572+/-1.009 χ^2/NDF:226959.2/24

Right Out: 5114.272+/-0.860 χ^2/NDF: 645616.2/32

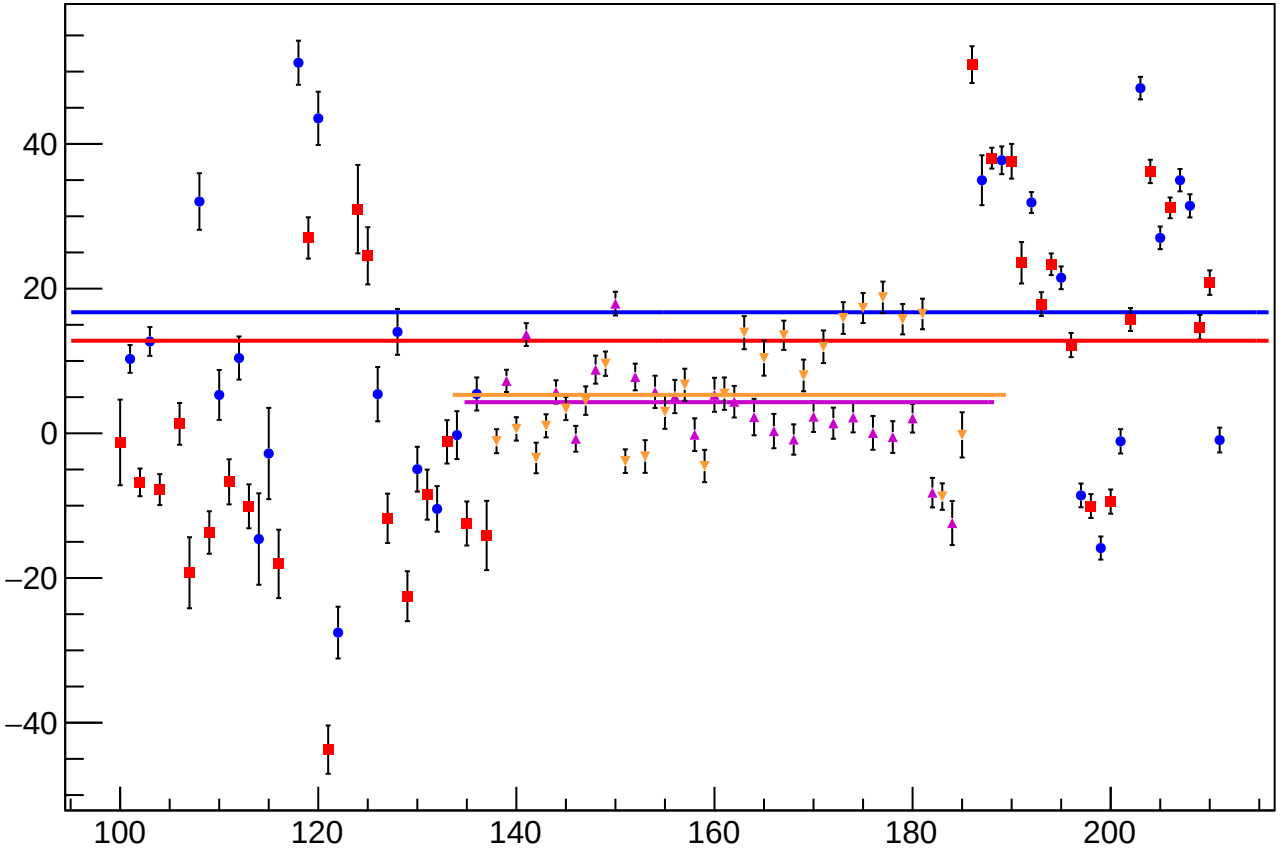
Left In: 6285.058+/-1.046 χ^2/NDF:265370.2/22

+ sign 5626.741+/-0.674 χ^2/NDF: 1623225.6/52

All: 5606.242+/-0.473 χ^2/NDF: 3283294.3/10

- sign 5586.305+/-0.664 χ^2/NDF: 1658242.1/55

diff_bpm0l05Y_mean vs Slug



Right In: 16.734+/-0.406 χ^2/NDF: 2402.8/27

Left Out: 5.313+/-0.400 χ^2/NDF:378.1/24

Right Out: 12.796+/-0.387 χ^2/NDF: 2609.2/32

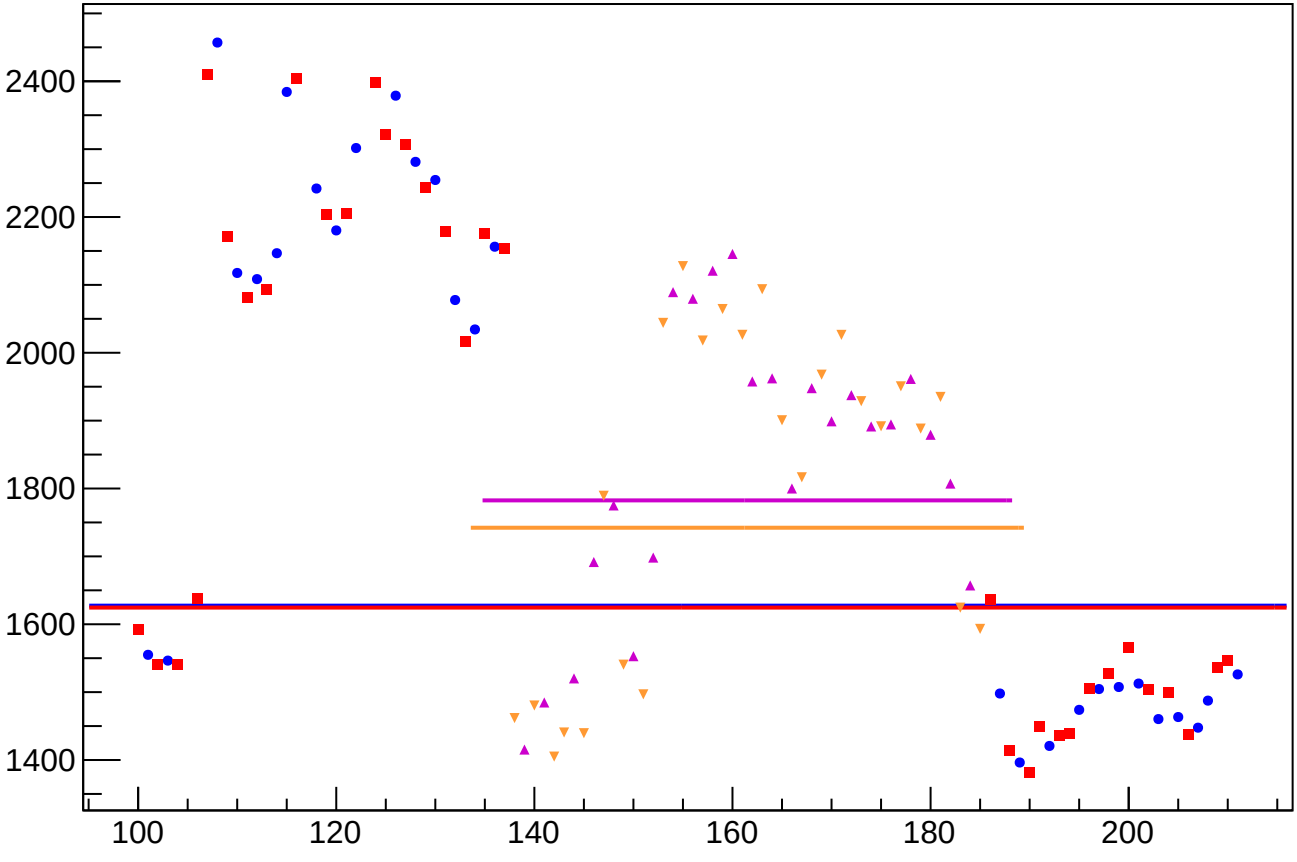
Left In: 4.310+/-0.420 χ^2/NDF:220.4/22

\+ sign 10.950+/-0.285 χ^2/NDF: 3182.6/52

All: 9.924+/-0.201 χ^2/NDF: 6258.9/108

\- sign 8.901+/-0.285 χ^2/NDF: 3050.4/55

diff_bpm0l05Y_rms vs Slug



Right In: 1627.394+/-0.287 χ^2/NDF: 1071592.4/27

Left Out: 1742.217+/-0.283 χ^2/NDF:767663.9/24

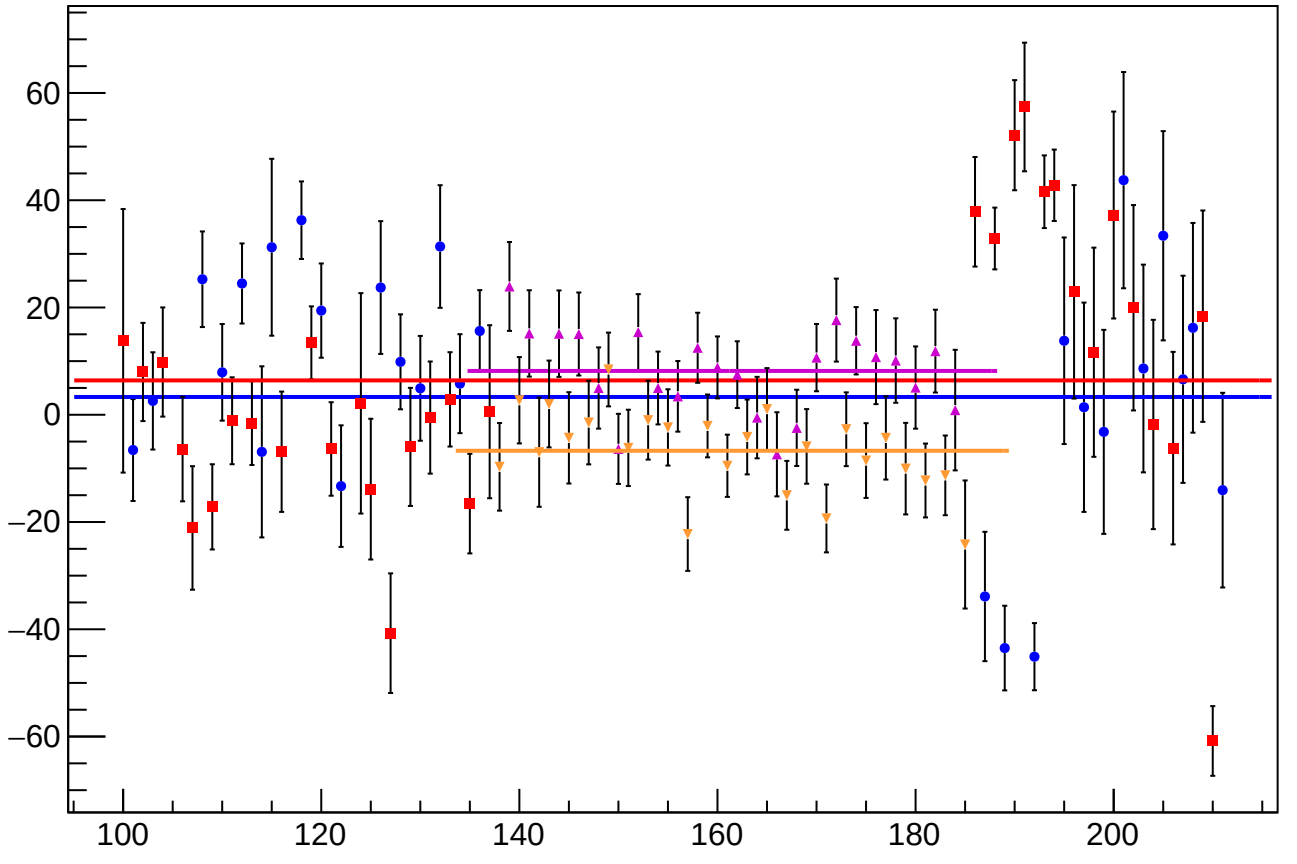
Right Out: 1624.570+/-0.274 χ^2/NDF: 1044625.5/32

Left In: 1782.502+/-0.297 χ^2/NDF:534374.9/22

+ sign 1685.542+/-0.201 χ^2/NDF: 1920459.4/52

All: 1691.310+/-0.142 χ^2/NDF: 3654019.2/10

- sign 1697.067+/-0.201 χ^2/NDF: 1731921.8/55



Right In: 3.315+/-1.990 χ^2/NDF: 169.8/27

Left Out: -6.713+/-1.458 χ^2/NDF:25.7/24

Right Out: 6.405+/-1.724 χ^2/NDF: 288.7/32

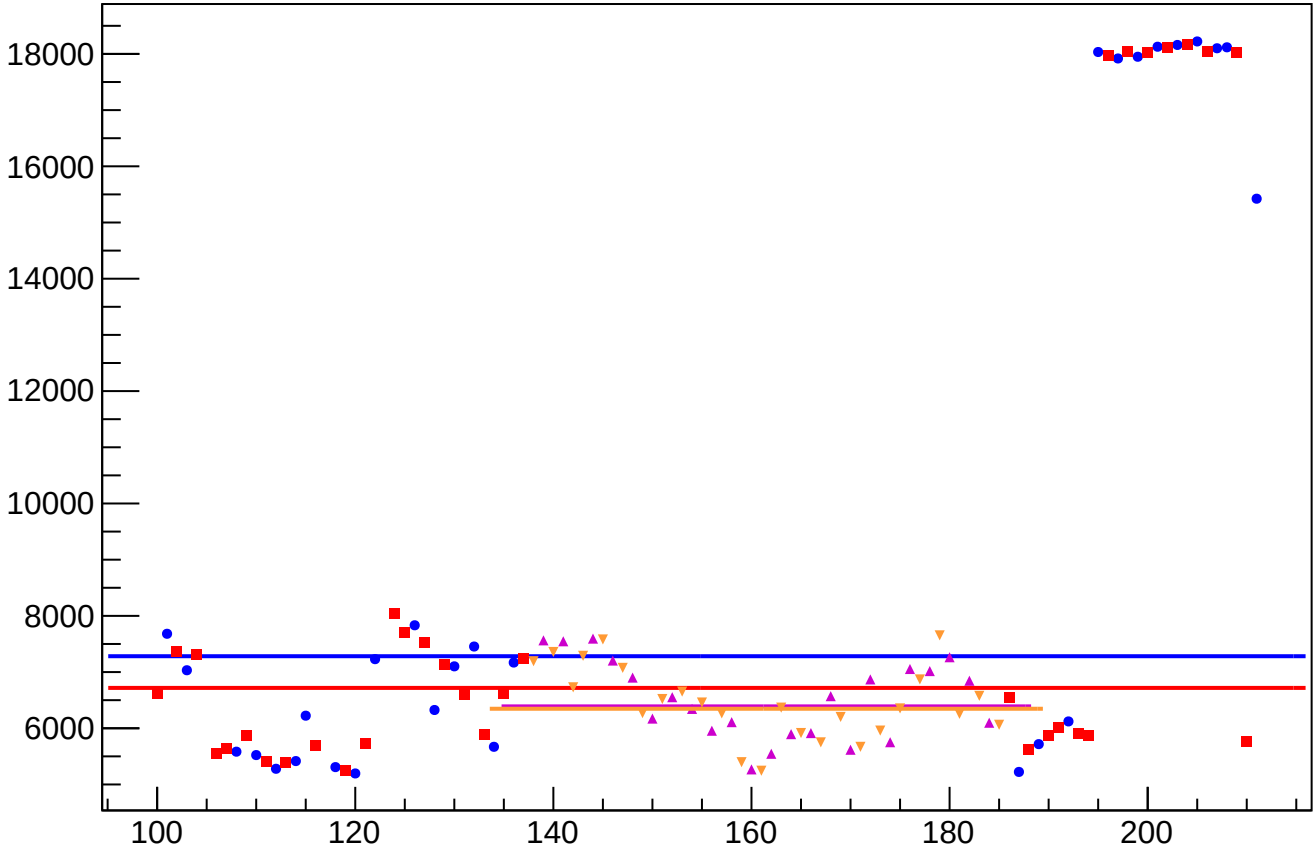
Left In: 8.171+/-1.510 χ^2/NDF:24.2/22

+ sign -3.211+/-1.176 χ^2/NDF: 212.0/52

All: 2.281+/-0.817 χ^2/NDF: 567.6/108

- sign 7.404+/-1.136 χ^2/NDF: 313.4/55

diff_bpm0l06X_rms vs Slug



Right In: 7282.150+/-1.407 χ^2/NDF: 6219816.8/27

Left Out: 6347.287+/-1.031 χ^2/NDF:386025.6/24

Right Out: 6718.254+/-1.219 χ^2/NDF: 5433153.7/32

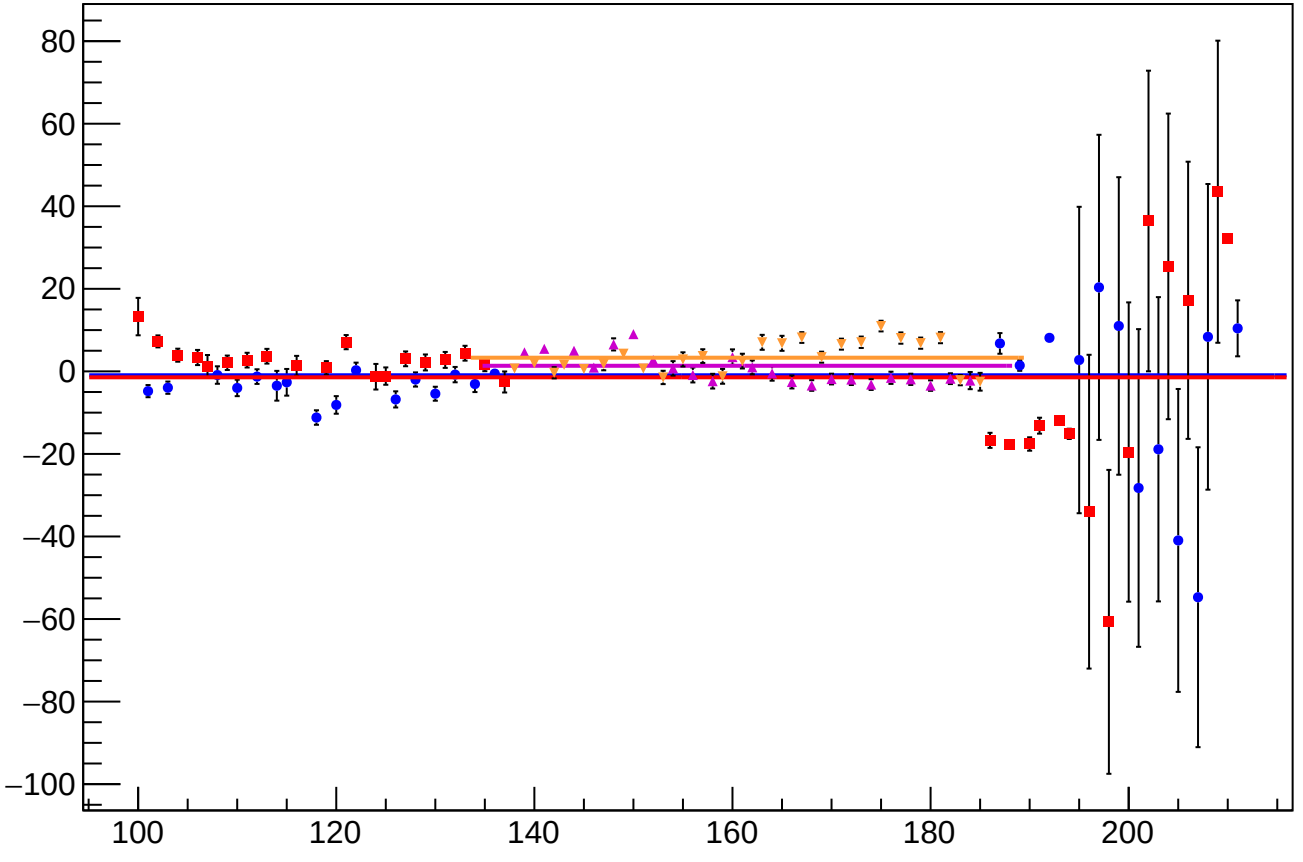
Left In: 6389.425+/-1.068 χ^2/NDF:419756.4/22

+ sign 6673.765+/-0.832 χ^2/NDF: 6893092.6/52

All: 6600.517+/-0.578 χ^2/NDF: 12802178.6/1

- sign 6532.183+/-0.803 χ^2/NDF: 5894088.2/55

diff_bpm0l06Y_mean vs Slug



Right In: -0.943+/-0.385 χ^2/NDF: 186.4/27

Left Out: 3.311+/-0.264 χ^2/NDF:177.9/24

Right Out: -1.442+/-0.329 χ^2/NDF: 1589.1/32

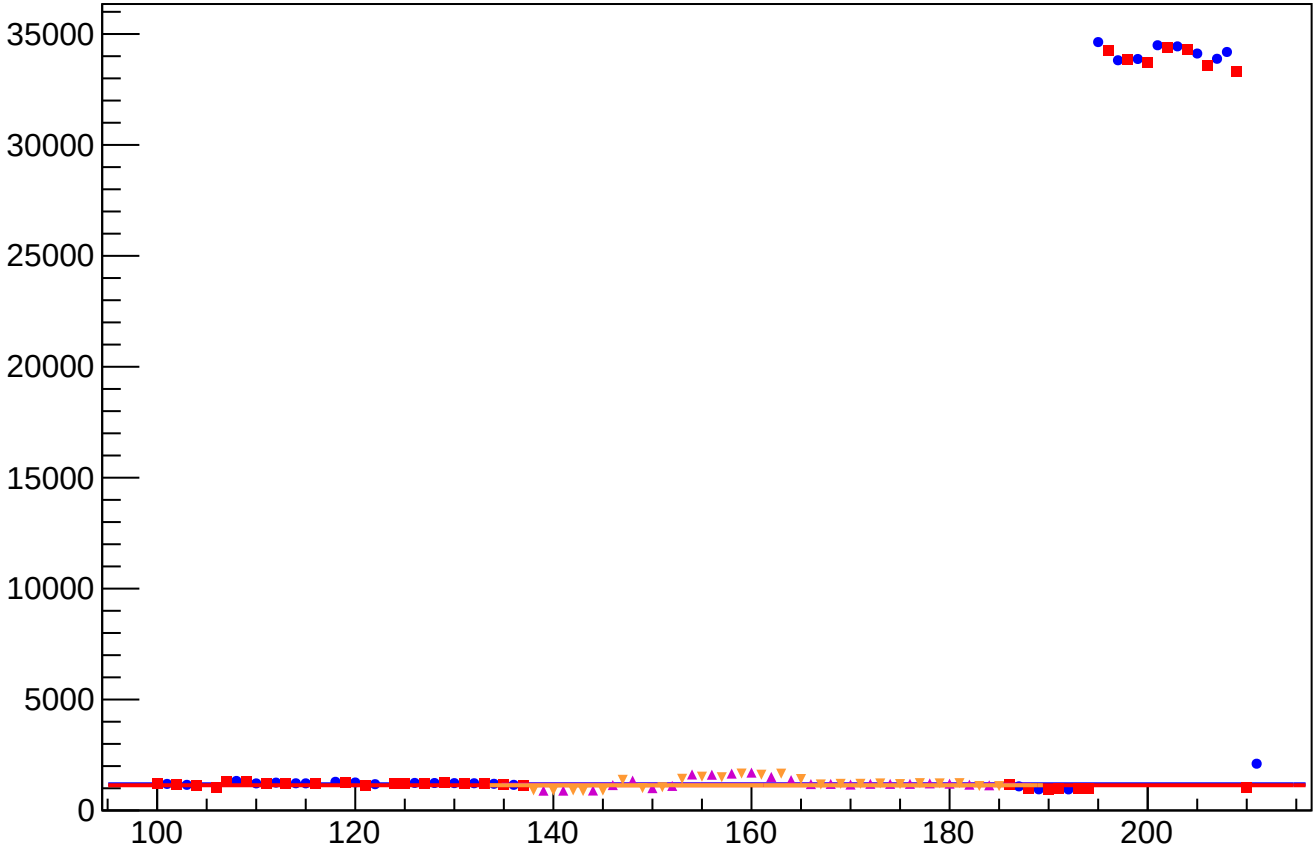
Left In: 1.355+/-0.277 χ^2/NDF:196.3/22

+ sign 1.949+/-0.218 χ^2/NDF: 447.1/52

All: 1.047+/-0.152 χ^2/NDF: 2308.1/108

- sign 0.197+/-0.212 χ^2/NDF: 1827.7/55

diff_bpm0l06Y_rms vs Slug



Right In: 1179.599+/-0.272 χ^2/NDF: 13032151.2/27

Left Out: 1137.150+/-0.187 χ^2/NDF:1469686.1/24

Right Out: 1136.185+/-0.233 χ^2/NDF: 11632432.9/32

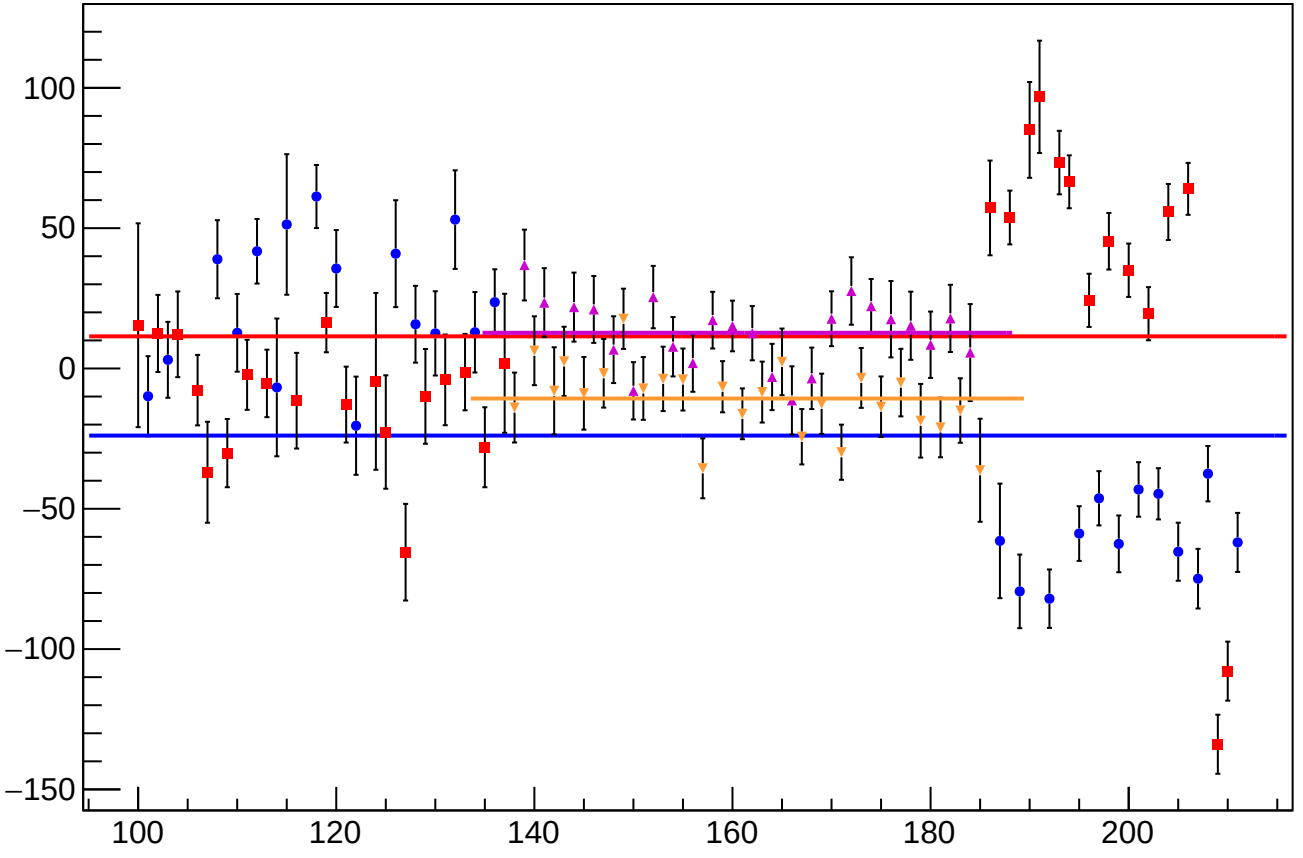
Left In: 1159.432+/-0.196 χ^2/NDF:1259793.6/22

+ sign 1150.744+/-0.154 χ^2/NDF: 14518340.7/52

All: 1150.260+/-0.107 χ^2/NDF: 27416434.6/1

- sign 1149.803+/-0.150 χ^2/NDF: 12898074.7/55

diff_bpm0l07X_mean vs Slug



Right In: -23.918+/-2.328 χ^2/NDF: 367.2/27

Left Out: -10.696+/-2.257 χ^2/NDF:28.7/24

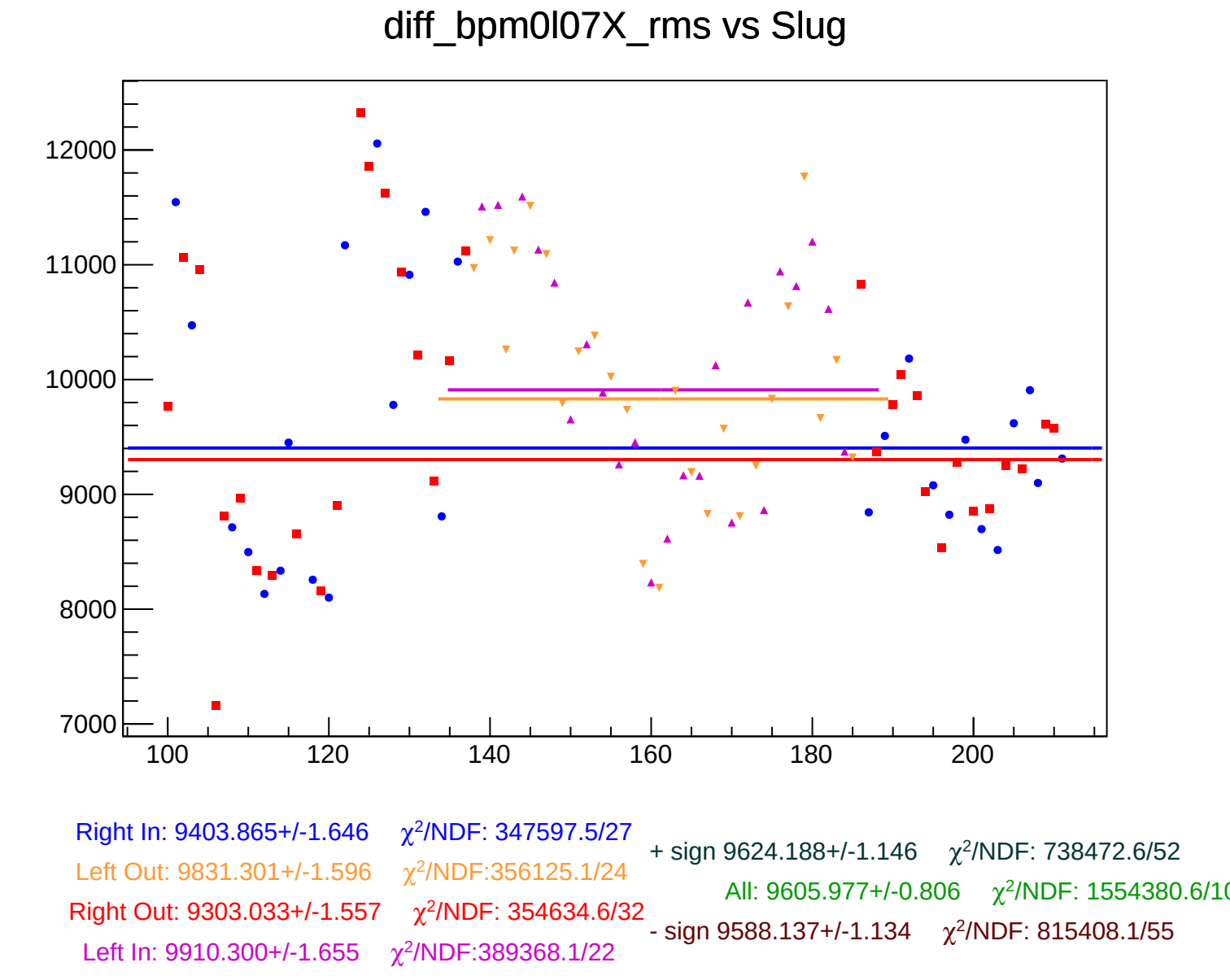
Right Out: 11.451+/-2.202 χ^2/NDF: 583.2/32

Left In: 12.719+/-2.341 χ^2/NDF:24.0/22

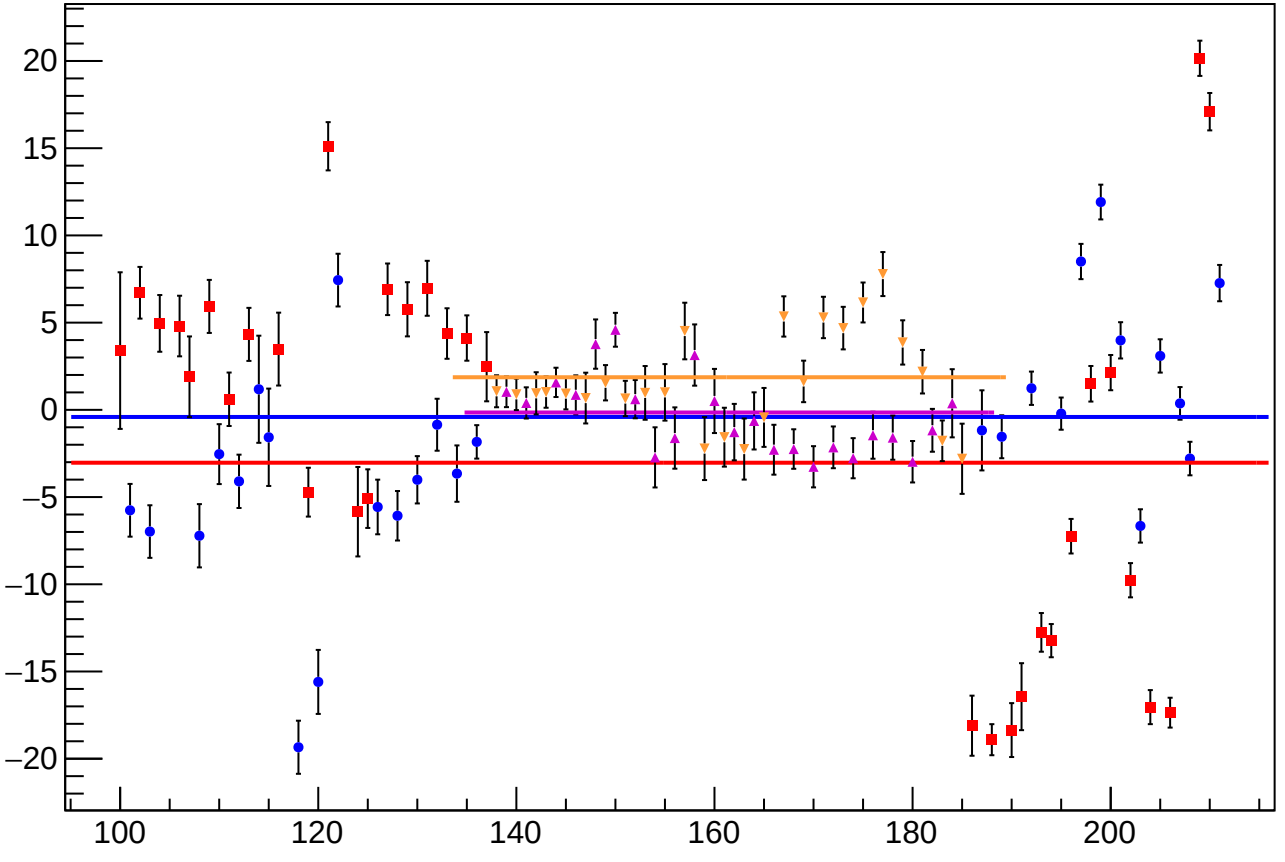
+ sign -17.103+/-1.621 χ^2/NDF: 412.5/52

All: -2.378+/-1.140 χ^2/NDF: 1183.3/108

- sign 12.046+/-1.604 χ^2/NDF: 607.4/55


diff_bpm0l07X_rms vs Slug
12000
11000
10000
9000
8000
7000
100
120
140
160
180
200
Right In: 9403.865+/-1.646 χ²/NDF: 347597.5/27
Left Out: 9831.301+/-1.596 χ²/NDF:356125.1/24
Right Out: 9303.033+/-1.557 χ²/NDF: 354634.6/32
Left In: 9910.300+/-1.655 χ²/NDF:389368.1/22
+ sign 9624.188+/-1.146 χ²/NDF: 738472.6/52
All: 9605.977+/-0.806 χ²/NDF: 1554380.6/10
- sign 9588.137+/-1.134 χ²/NDF: 815408.1/55

diff_bpm0l07Y_mean vs Slug



Right In: -0.408+/-0.235 χ^2/NDF: 713.6/27

Left Out: 1.869+/-0.243 χ^2/NDF:103.2/24

Right Out: -3.031+/-0.226 χ^2/NDF: 2736.1/32

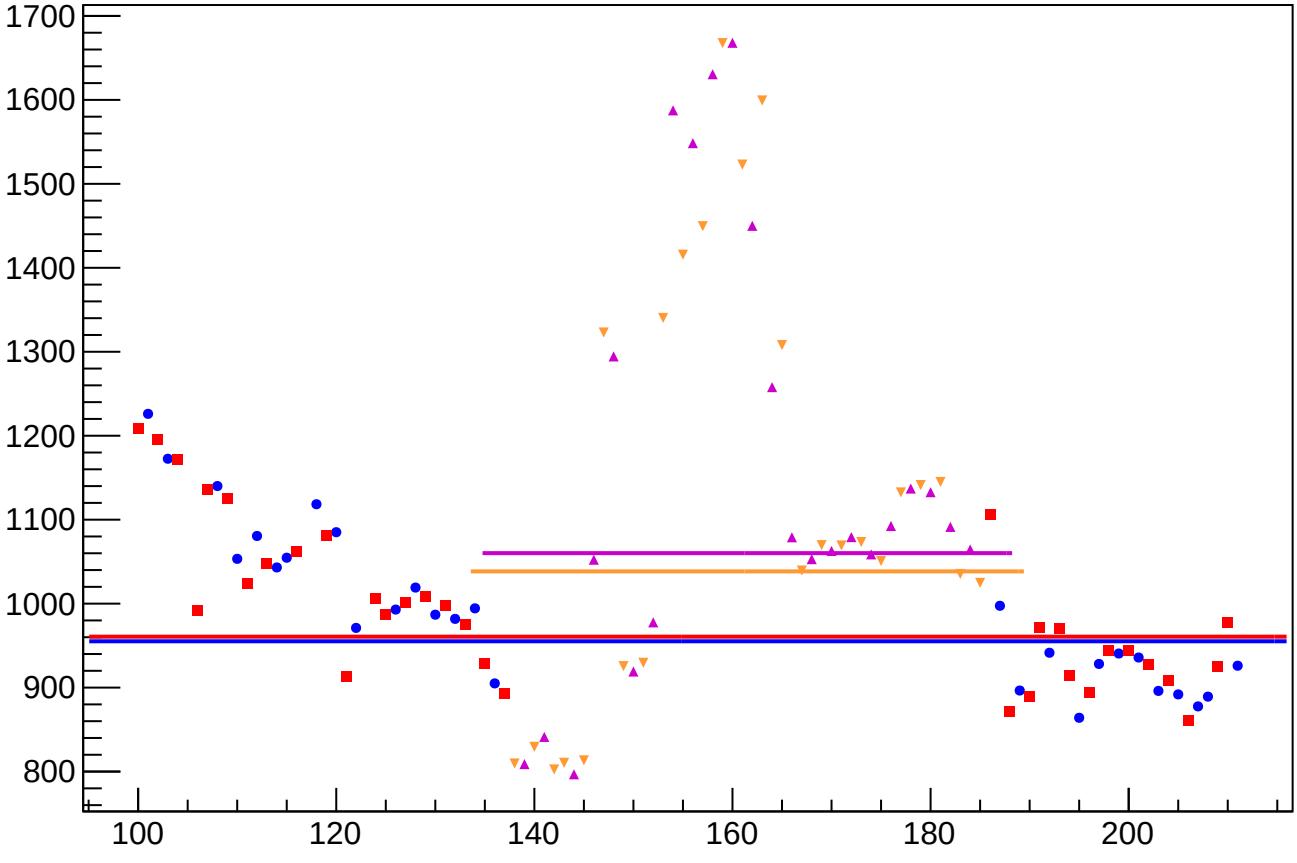
Left In: -0.152+/-0.254 χ^2/NDF:75.7/22

+ sign 0.695+/-0.169 χ^2/NDF: 862.2/52

All: -0.531+/-0.119 χ^2/NDF: 3851.0/108

- sign -1.760+/-0.169 χ^2/NDF: 2883.3/55

diff_bpm0l07Y_rms vs Slug



Right In: 955.159+/-0.166 χ^2/NDF: 266462.4/27

Left Out: 1038.406+/-0.172 χ^2/NDF:1706682.8/24

Right Out: 960.673+/-0.160 χ^2/NDF: 258751.4/32

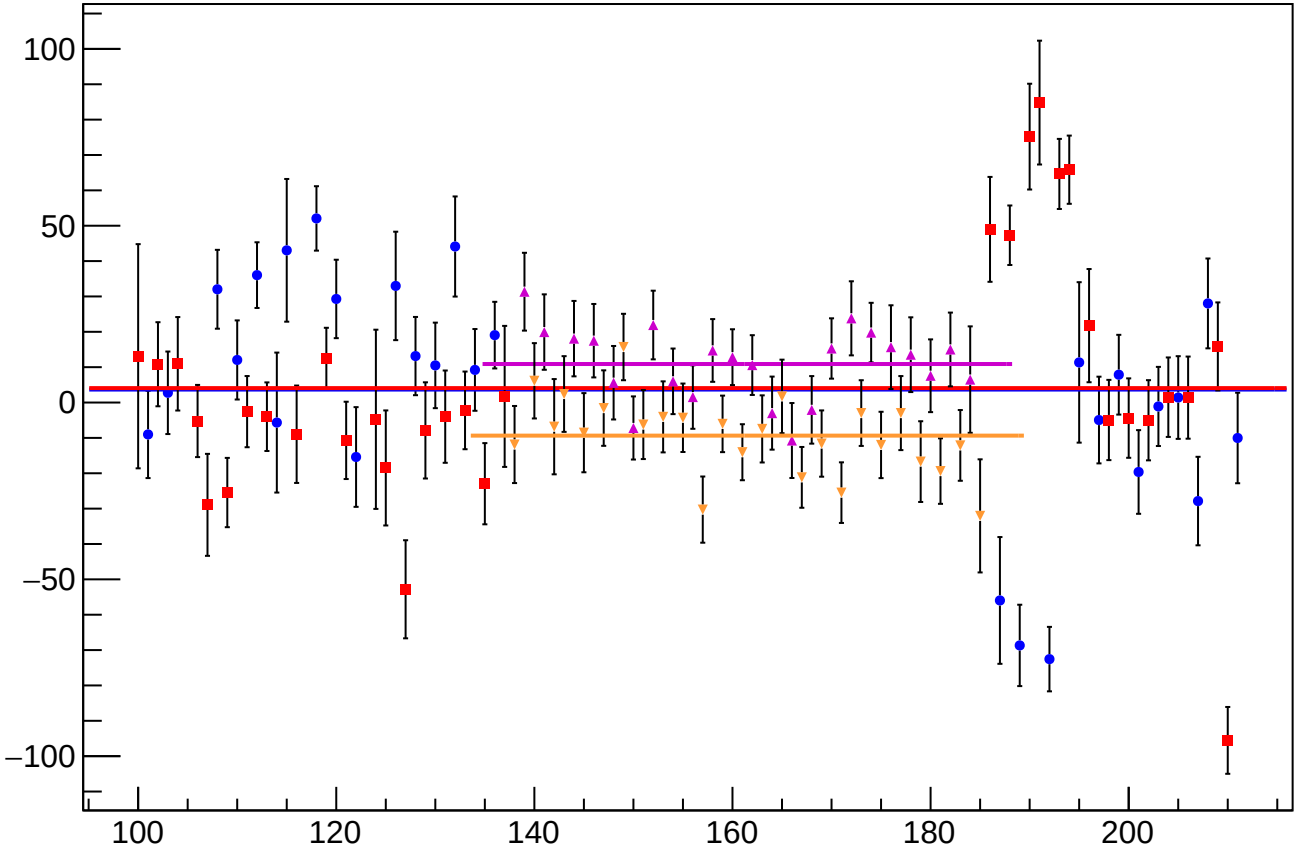
Left In: 1060.162+/-0.180 χ^2/NDF:1523219.9/22

+ sign 995.473+/-0.119 χ^2/NDF: 2094547.8/52

All: 1000.032+/-0.084 χ^2/NDF: 4050138.7/10

- sign 1004.604+/-0.120 χ^2/NDF: 1952670.7/55

diff_bpm0l08X_mean vs Slug



Right In: 3.671+/-2.264 χ^2/NDF: 212.0/27

Left Out: -9.355+/-1.969 χ^2/NDF:28.5/24

Right Out: 4.079+/-2.066 χ^2/NDF: 319.6/32

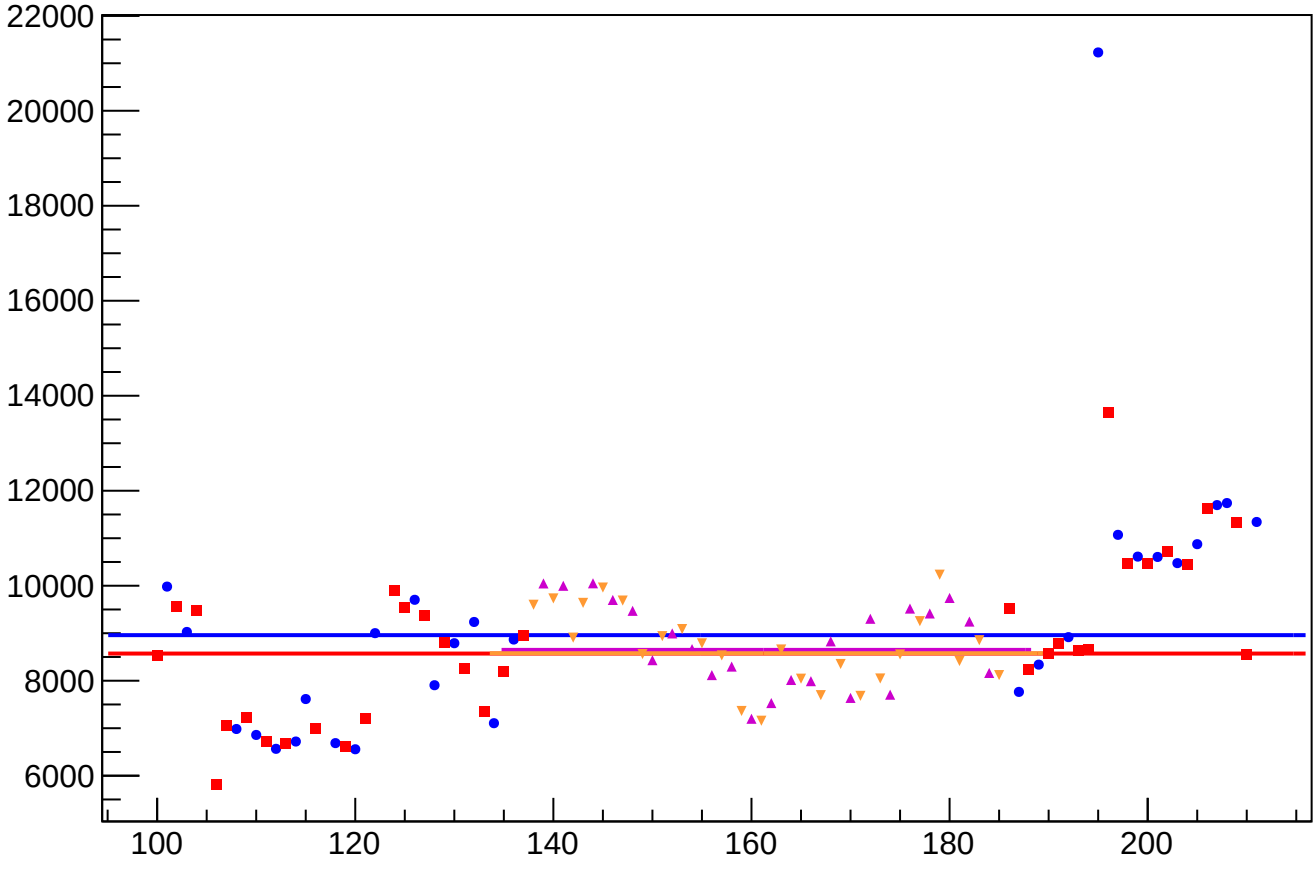
Left In: 10.892+/-2.043 χ^2/NDF:23.6/22

+ sign -3.745+/-1.486 χ^2/NDF: 259.3/52

All: 2.018+/-1.039 χ^2/NDF: 637.4/108

- sign 7.524+/-1.452 χ^2/NDF: 348.7/55

diff_bpm0l08X_rms vs Slug



Right In: 8959.621+/-1.601 χ^2/NDF: 1700618.3/27

Left Out: 8578.396+/-1.392 χ^2/NDF:343721.1/24

Right Out: 8571.904+/-1.461 χ^2/NDF: 1273154.9/32

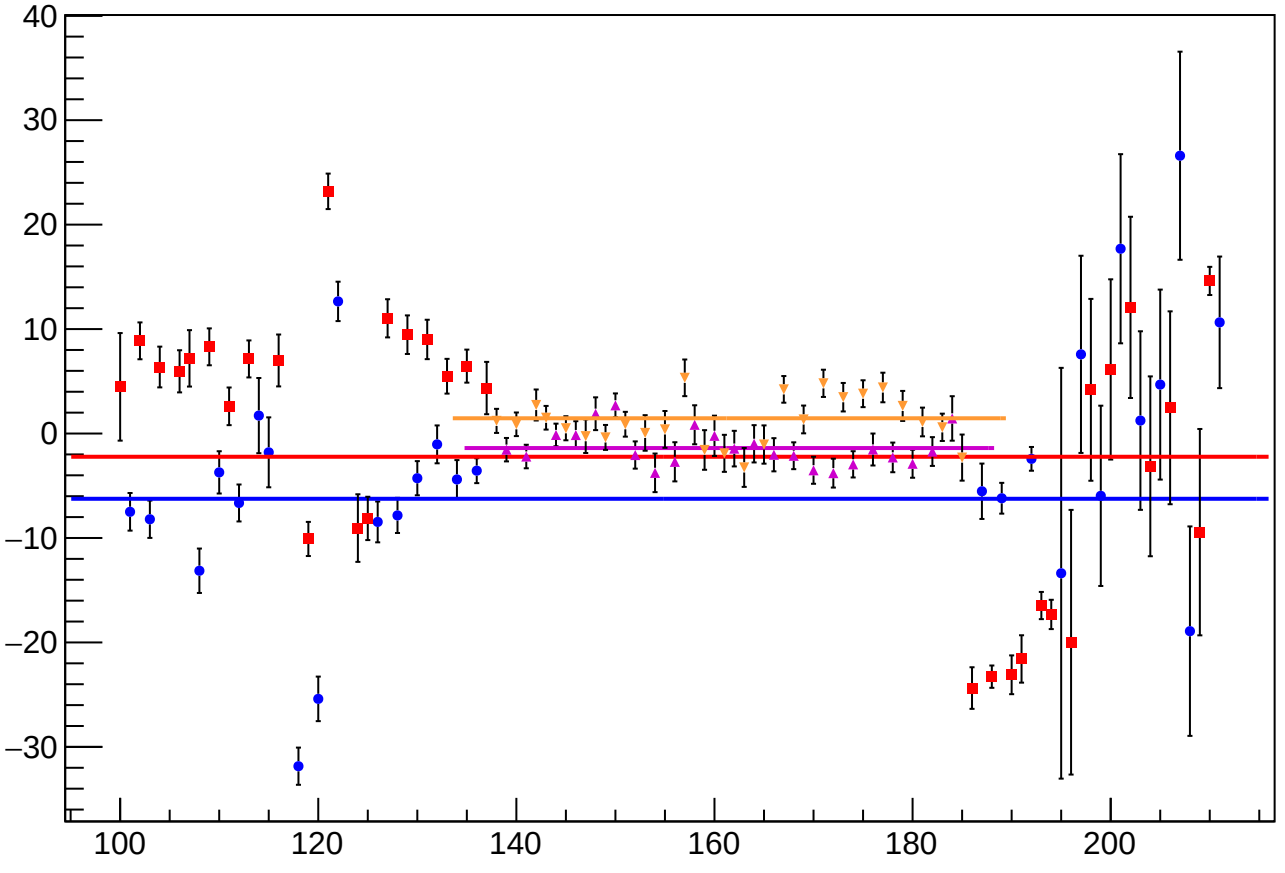
Left In: 8649.232+/-1.444 χ^2/NDF:377932.0/22

+ sign 8742.572+/-1.051 χ^2/NDF: 2076620.3/52

All: 8675.293+/-0.734 χ^2/NDF: 3737142.9/10

- sign 8611.006+/-1.027 χ^2/NDF: 1652503.9/55

diff_bpm0l08Y_mean vs Slug



Right In: -6.247+/-0.403 χ^2/NDF: 468.9/27

Left Out: 1.461+/-0.281 χ^2/NDF:51.0/24

Right Out: -2.223+/-0.347 χ^2/NDF: 1728.7/32

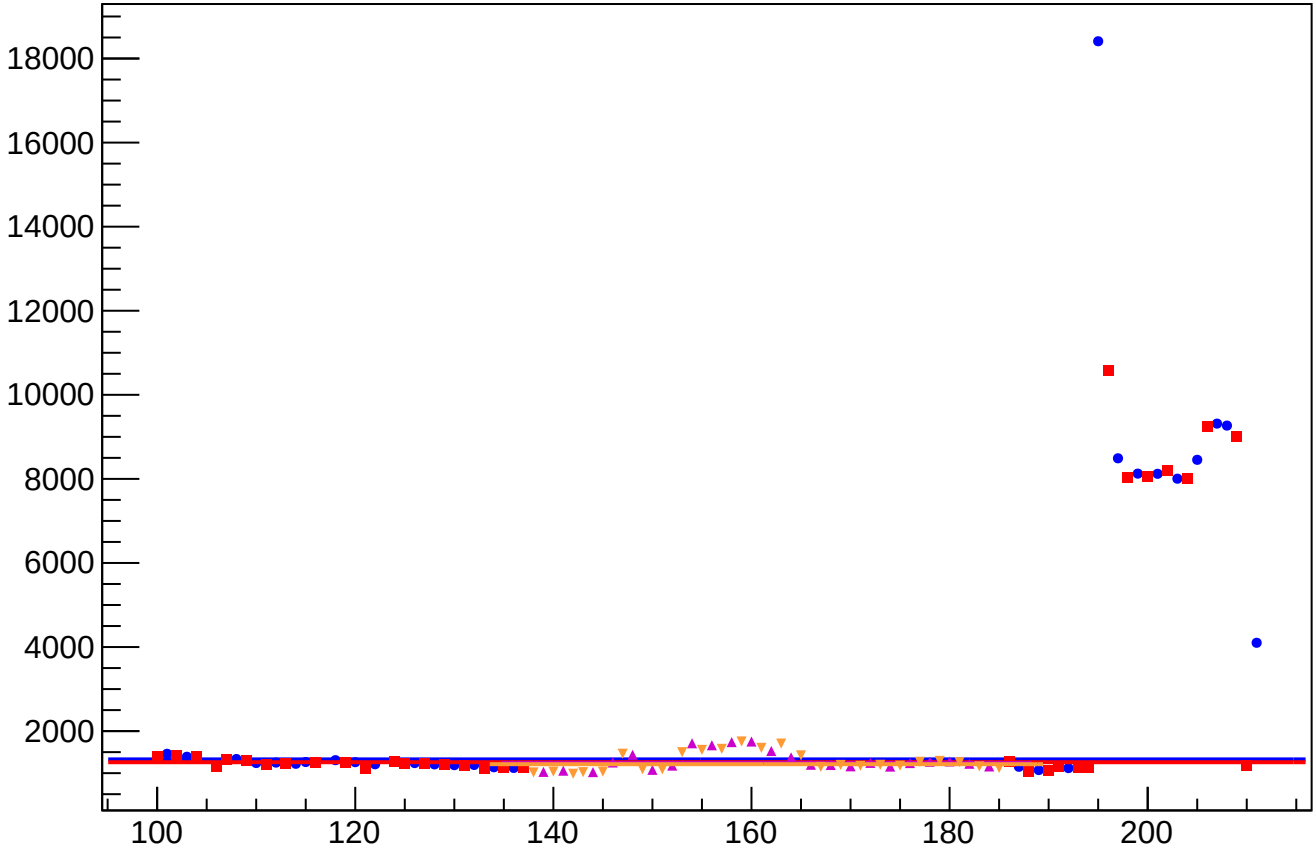
Left In: -1.390+/-0.294 χ^2/NDF:35.5/22

+ sign -1.057+/-0.230 χ^2/NDF: 766.5/52

All: -1.406+/-0.161 χ^2/NDF: 2538.6/108

- sign -1.738+/-0.224 χ^2/NDF: 1767.6/55

diff_bpm0l08Y_rms vs Slug



Right In: 1327.335+/-0.285 χ^2/NDF: 10689927.2/27

Left Out: 1213.262+/-0.198 χ^2/NDF:1012762.9/24

Right Out: 1260.165+/-0.245 χ^2/NDF: 9002378.8/32

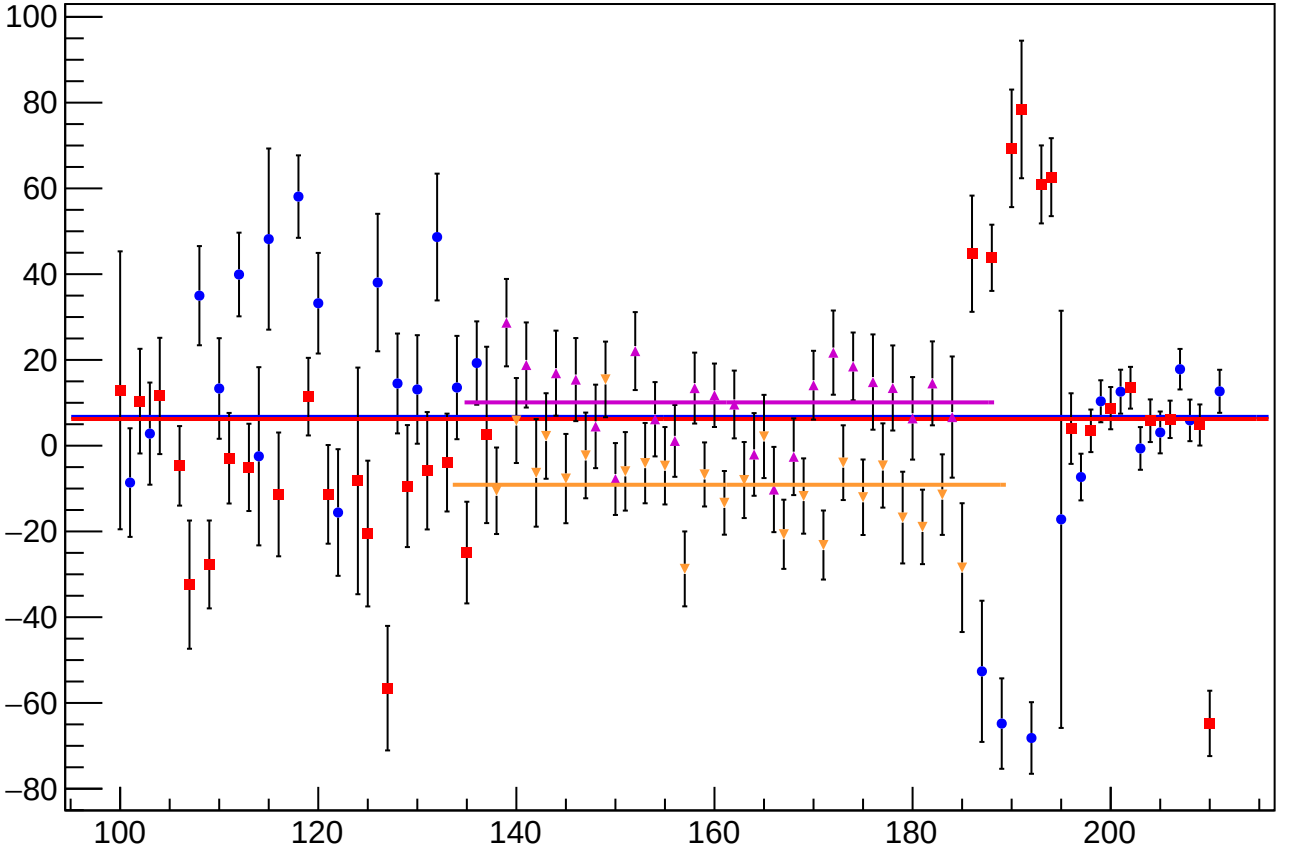
Left In: 1239.174+/-0.208 χ^2/NDF:885596.7/22

+ sign 1250.523+/-0.163 χ^2/NDF: 11810712.3/52

All: 1249.205+/-0.114 χ^2/NDF: 21703070.8/1

- sign 1247.951+/-0.159 χ^2/NDF: 9892230.5/55

diff_bpm0l09X_mean vs Slug



Right In: 6.717+/-1.481 χ^2/NDF: 231.8/27

Left Out: -9.114+/-1.842 χ^2/NDF:28.8/24

Right Out: 6.221+/-1.463 χ^2/NDF: 294.3/32

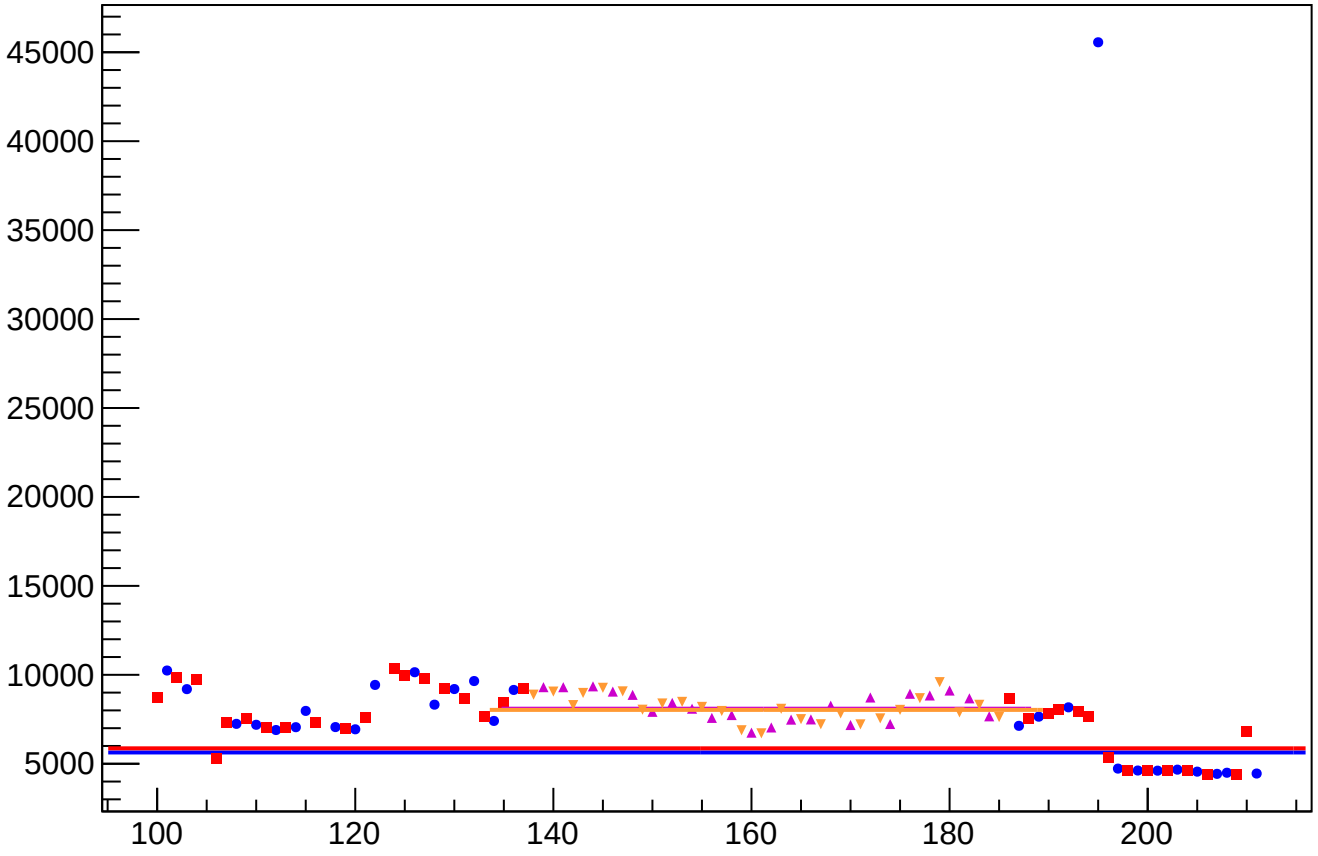
Left In: 10.095+/-1.911 χ^2/NDF:24.3/22

+ sign 0.501+/-1.155 χ^2/NDF: 305.4/52

All: 4.054+/-0.819 χ^2/NDF: 645.7/108

- sign 7.652+/-1.162 χ^2/NDF: 321.2/55

diff_bpm0l09X_rms vs Slug



Right In: 5635.253+/-1.048 χ^2/NDF: 4028058.7/27

Left Out: 8028.056+/-1.303 χ^2/NDF:332457.9/24

Right Out: 5867.806+/-1.035 χ^2/NDF: 2751494.9/32

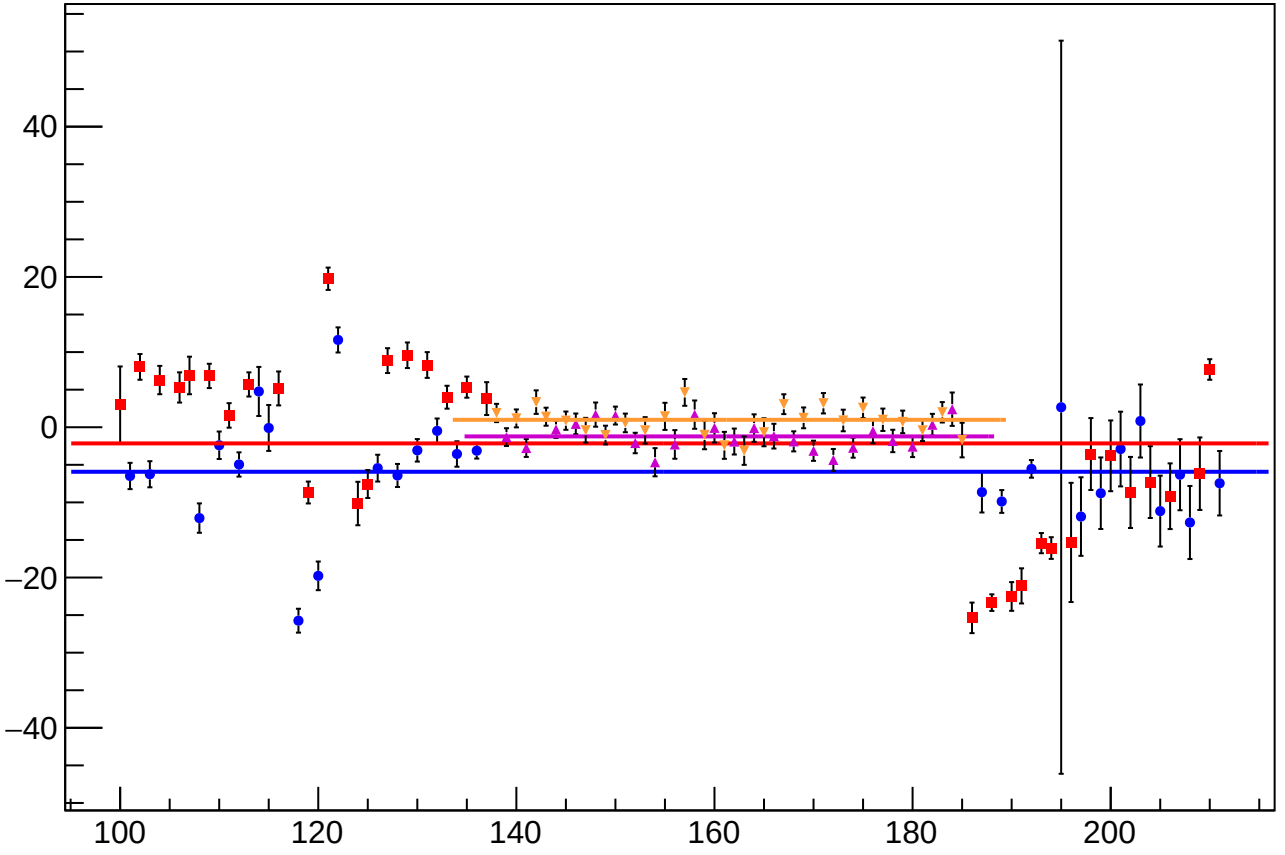
Left In: 8095.368+/-1.351 χ^2/NDF:367451.5/22

+ sign 6574.817+/-0.816 χ^2/NDF: 6409217.8/52

All: 6632.447+/-0.579 χ^2/NDF: 11251200.4/1

- sign 6690.797+/-0.821 χ^2/NDF: 4831954.0/55

diff_bpm0l09Y_mean vs Slug



Right In: -5.925+/-0.370 χ^2/NDF: 386.0/27

Left Out: 0.988+/-0.292 χ^2/NDF:31.0/24

Right Out: -2.150+/-0.328 χ^2/NDF: 1518.8/32

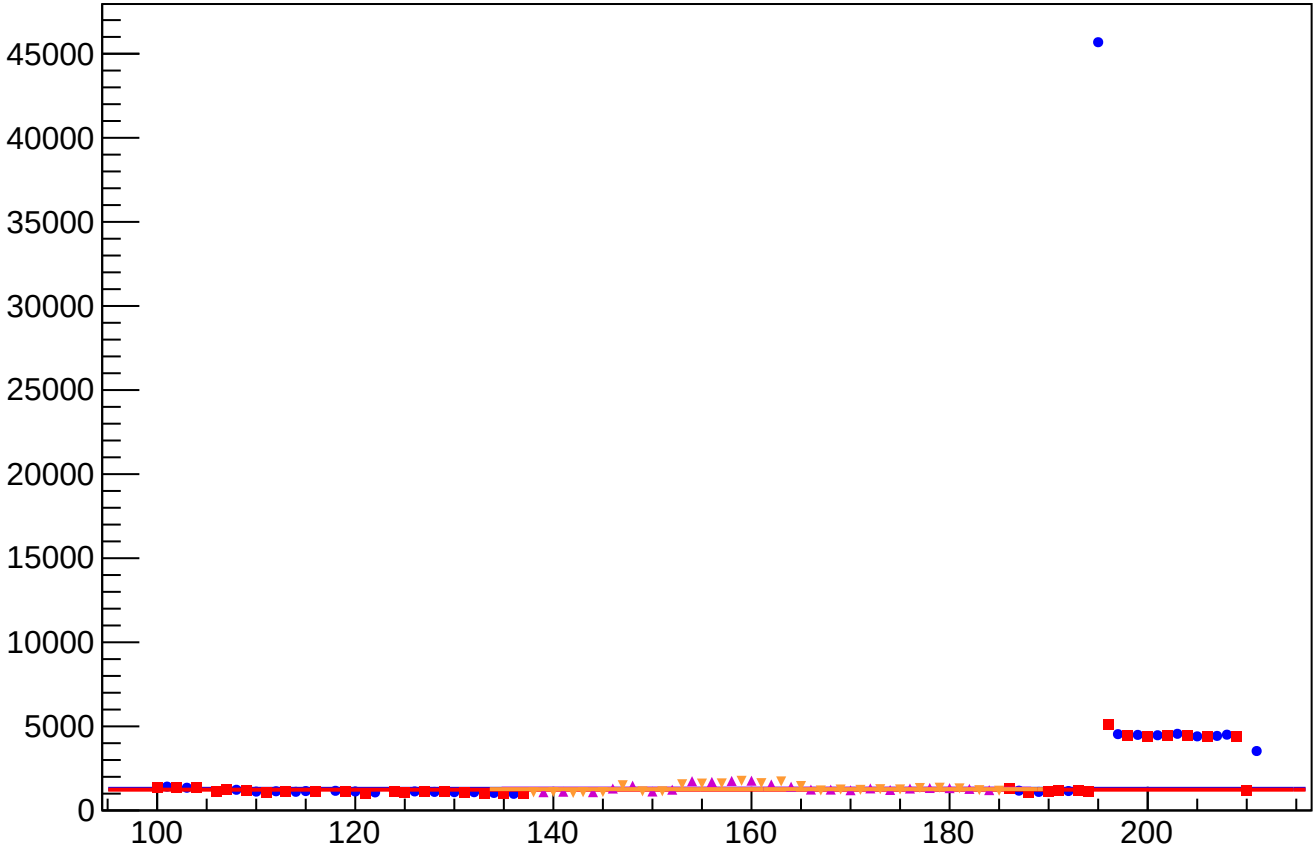
Left In: -1.219+/-0.307 χ^2/NDF:33.1/22

+ sign -1.667+/-0.229 χ^2/NDF: 631.8/52

All: -1.660+/-0.160 χ^2/NDF: 2188.0/108

- sign -1.654+/-0.224 χ^2/NDF: 1556.2/55

diff_bpm0l09Y_rms vs Slug



Right In: 1286.018+/-0.262 χ^2/NDF: 8739776.8/27

Left Out: 1267.405+/-0.207 χ^2/NDF:878431.8/24

Right Out: 1235.790+/-0.232 χ^2/NDF: 6402961.8/32

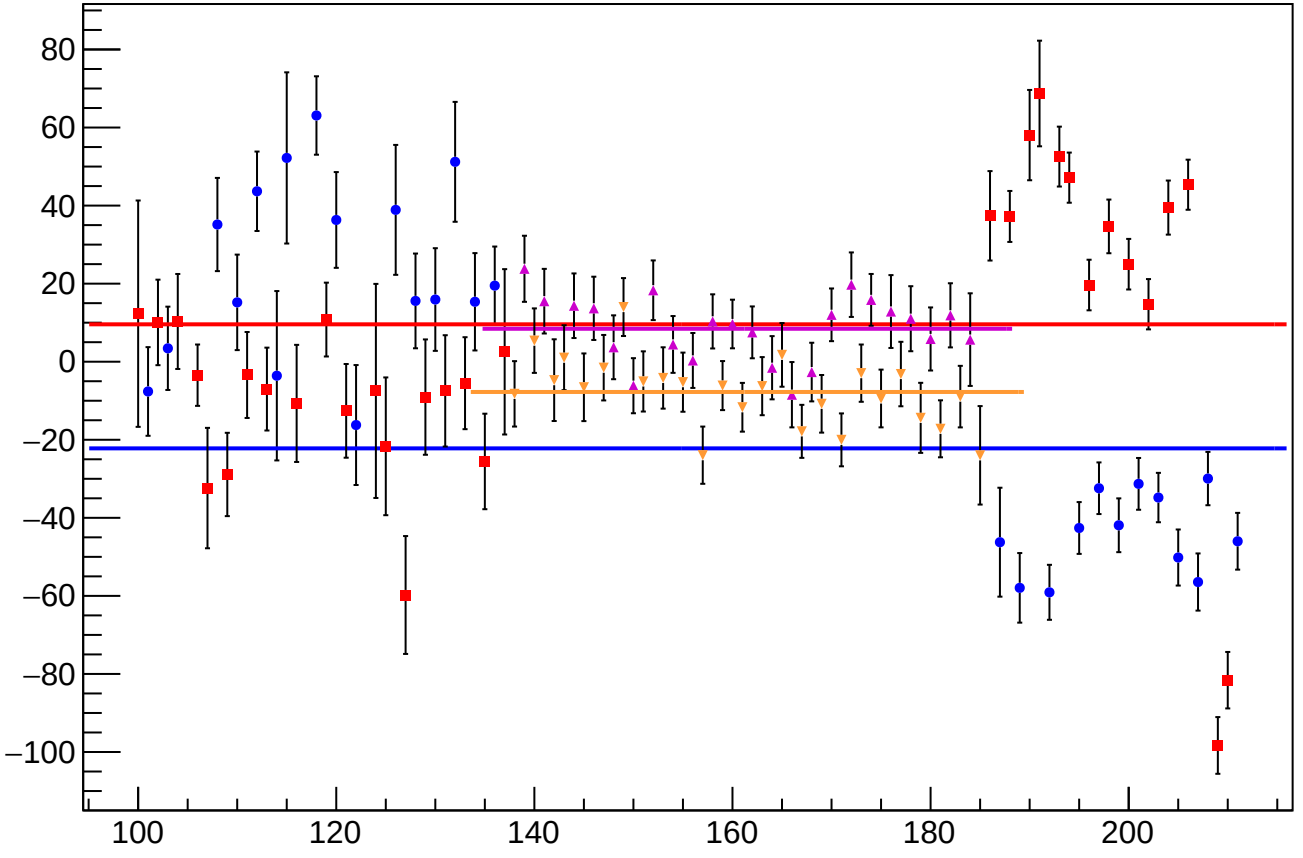
Left In: 1294.076+/-0.217 χ^2/NDF:758193.5/22

+ sign 1274.554+/-0.162 χ^2/NDF: 9621322.1/52

All: 1270.615+/-0.113 χ^2/NDF: 16817376.5/1

- sign 1266.866+/-0.158 χ^2/NDF: 7194904.1/55

diff_bpm0l10X_mean vs Slug



Right In: -22.206+/-1.735 χ^2/NDF: 391.1/27

Left Out: -7.752+/-1.547 χ^2/NDF:30.4/24

Right Out: 9.580+/-1.620 χ^2/NDF: 647.0/32

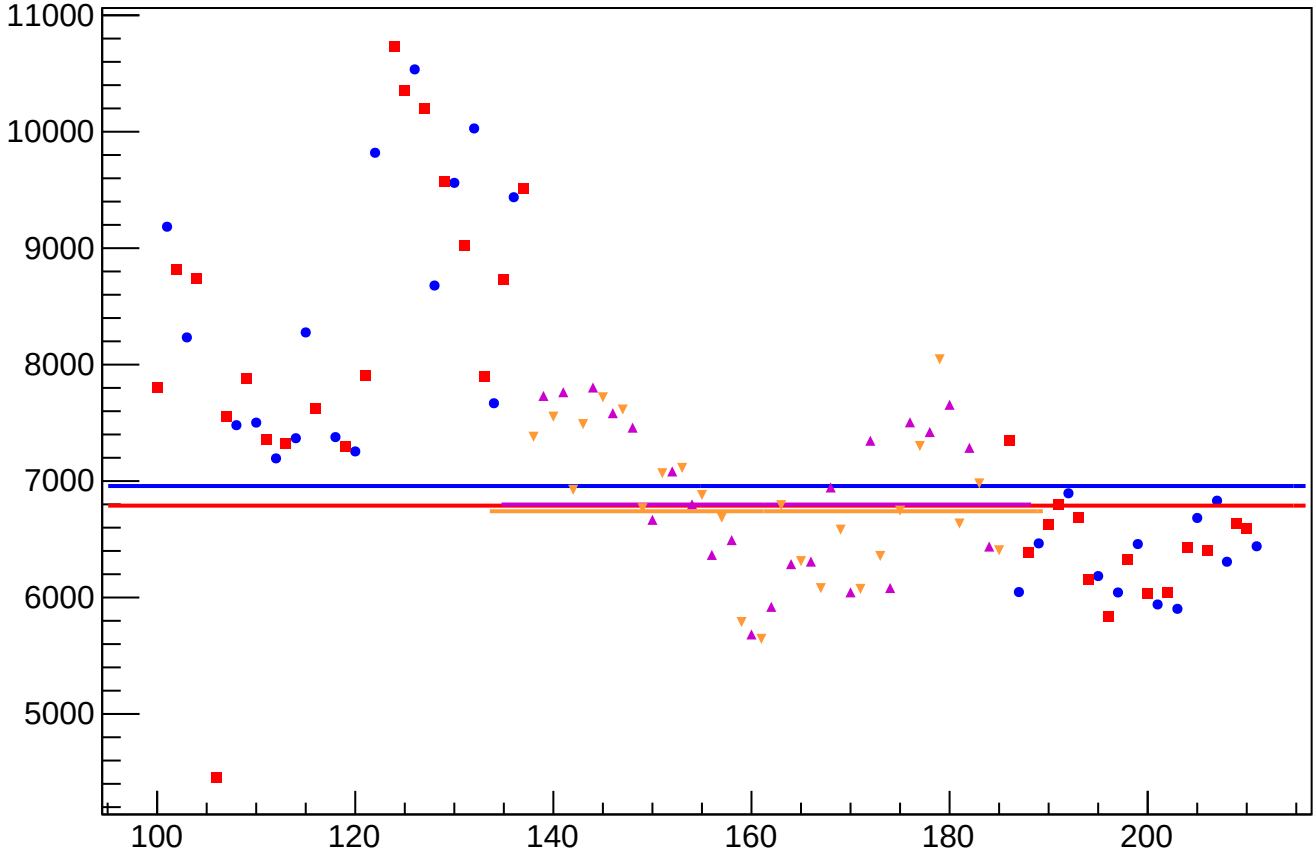
Left In: 8.438+/-1.605 χ^2/NDF:24.8/22

+ sign -14.152+/-1.154 χ^2/NDF: 460.2/52

All: -2.430+/-0.811 χ^2/NDF: 1335.8/108

- sign 9.003+/-1.140 χ^2/NDF: 672.0/55

diff_bpm0l10X_rms vs Slug



Right In: 6957.426+/-1.227 χ^2/NDF: 841146.4/27

Left Out: 6740.835+/-1.094 χ^2/NDF:316707.6/24

Right Out: 6789.042+/-1.146 χ^2/NDF: 963879.5/32

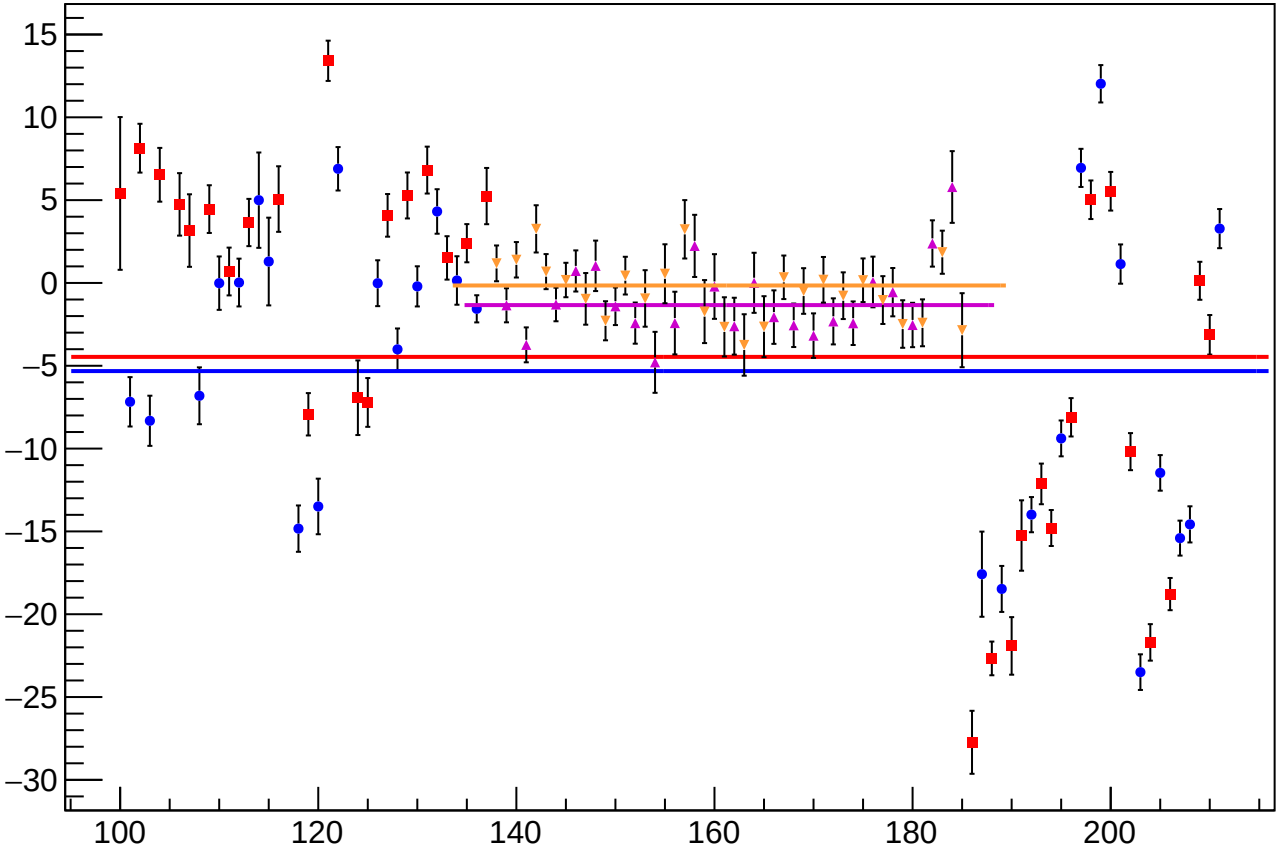
Left In: 6798.524+/-1.135 χ^2/NDF:353277.6/22

+ sign 6836.737+/-0.816 χ^2/NDF: 1175221.5/52

All: 6815.015+/-0.574 χ^2/NDF: 2493811.8/10

- sign 6793.829+/-0.806 χ^2/NDF: 1317191.7/55

diff_bpm0l10Y_mean vs Slug



Right In: -5.321+/-0.243 χ^2/NDF: 1433.7/27

Left Out: -0.152+/-0.277 χ^2/NDF:36.1/24

Right Out: -4.464+/-0.236 χ^2/NDF: 2121.3/32

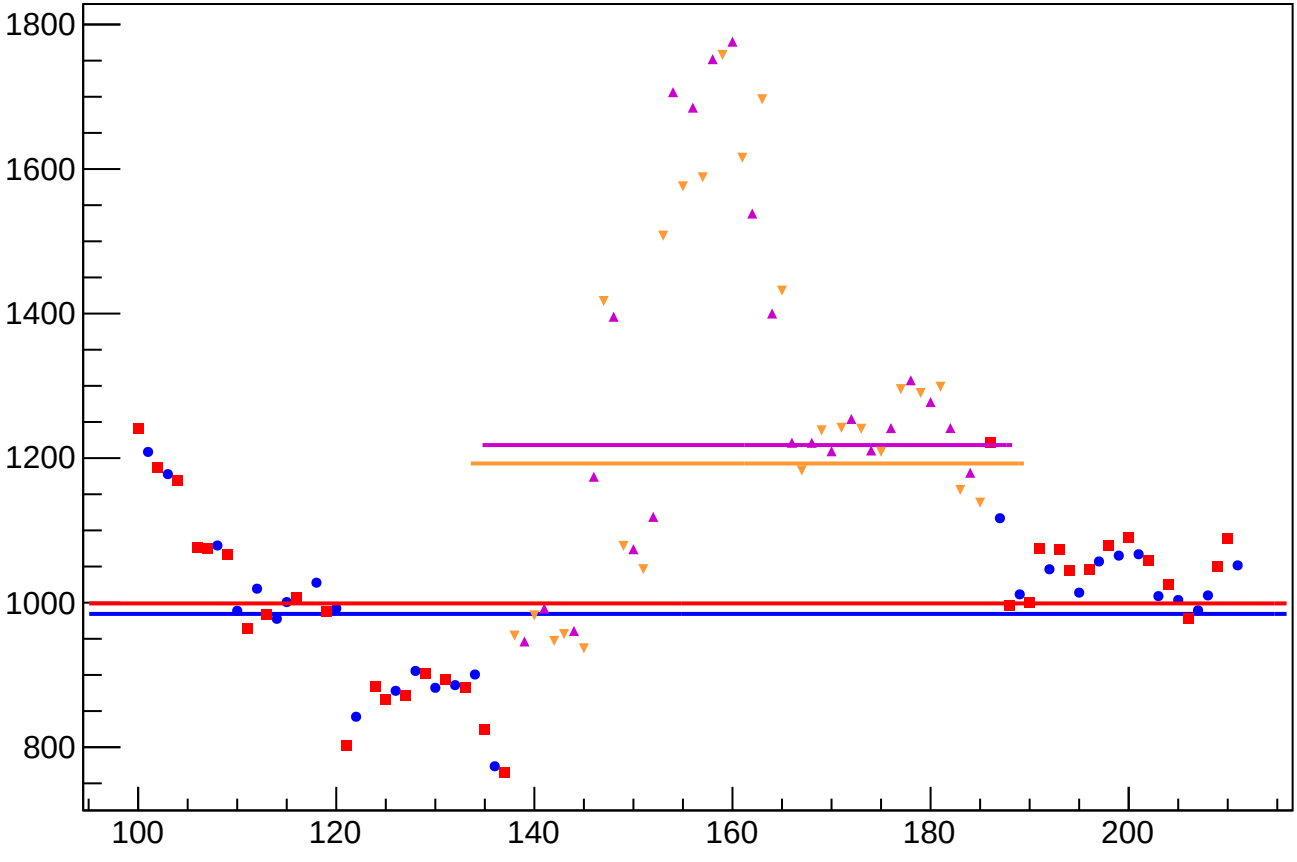
Left In: -1.337+/-0.290 χ^2/NDF:44.0/22

\+ sign -3.074+/-0.182 χ^2/NDF: 1667.0/52

All: -3.147+/-0.129 χ^2/NDF: 3902.6/108

\- sign -3.221+/-0.183 χ^2/NDF: 2235.3/55

diff_bpm0l10Y_rms vs Slug



Right In: 984.442+/-0.172 χ^2/NDF: 345682.9/27

Left Out: 1192.579+/-0.196 χ^2/NDF:1320181.3/24

Right Out: 998.954+/-0.167 χ^2/NDF: 375345.6/32

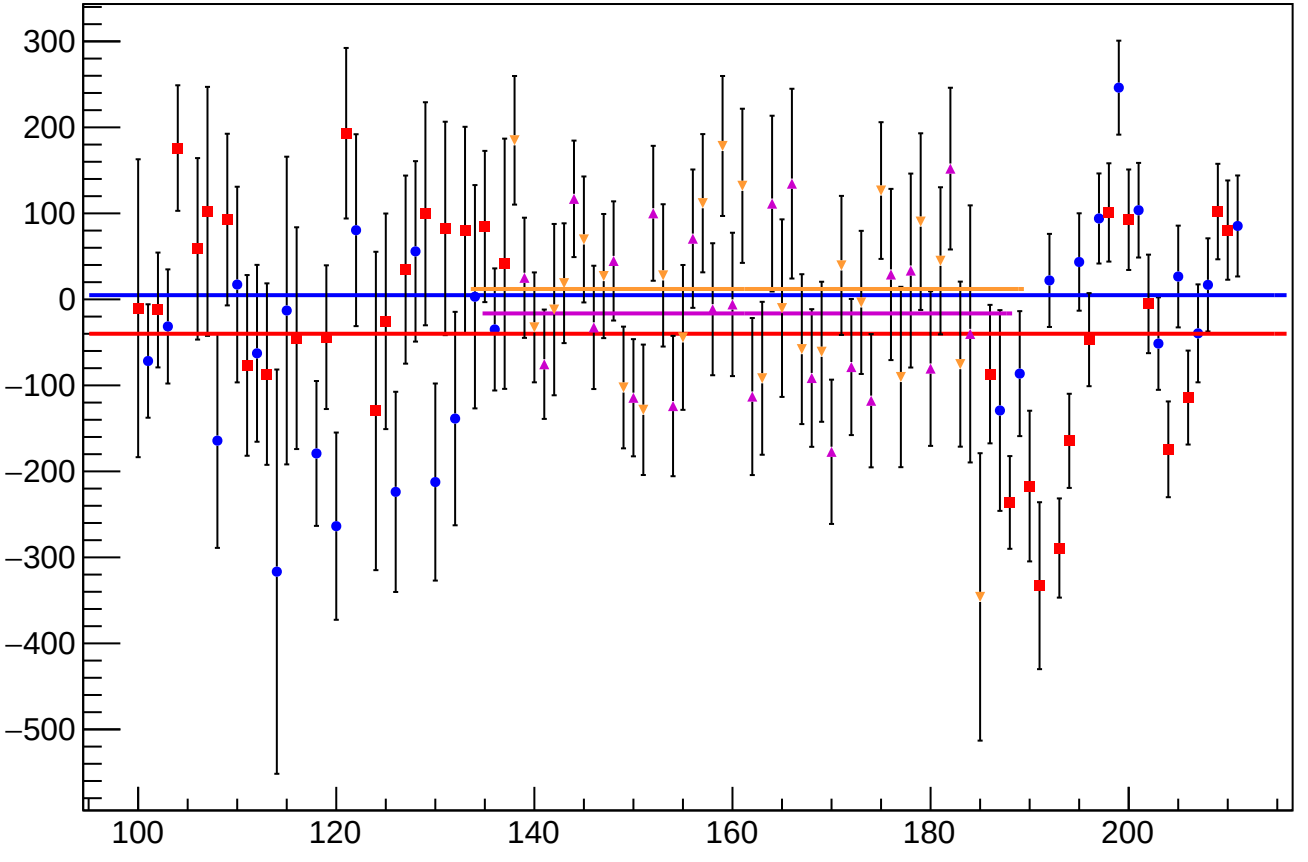
Left In: 1218.058+/-0.205 χ^2/NDF:1127896.8/22

+ sign 1074.910+/-0.129 χ^2/NDF: 2305614.0/52

All: 1080.465+/-0.091 χ^2/NDF: 4499663.7/10

- sign 1086.052+/-0.129 χ^2/NDF: 2190329.7/55

diff_bpm0r03X_mean vs Slug



Right In: 4.890+/-13.964 χ^2/NDF: 59.3/27

Left Out: 12.081+/-16.608 χ^2/NDF:32.8/24

Right Out: -39.965+/-13.349 χ^2/NDF: 105.4/32

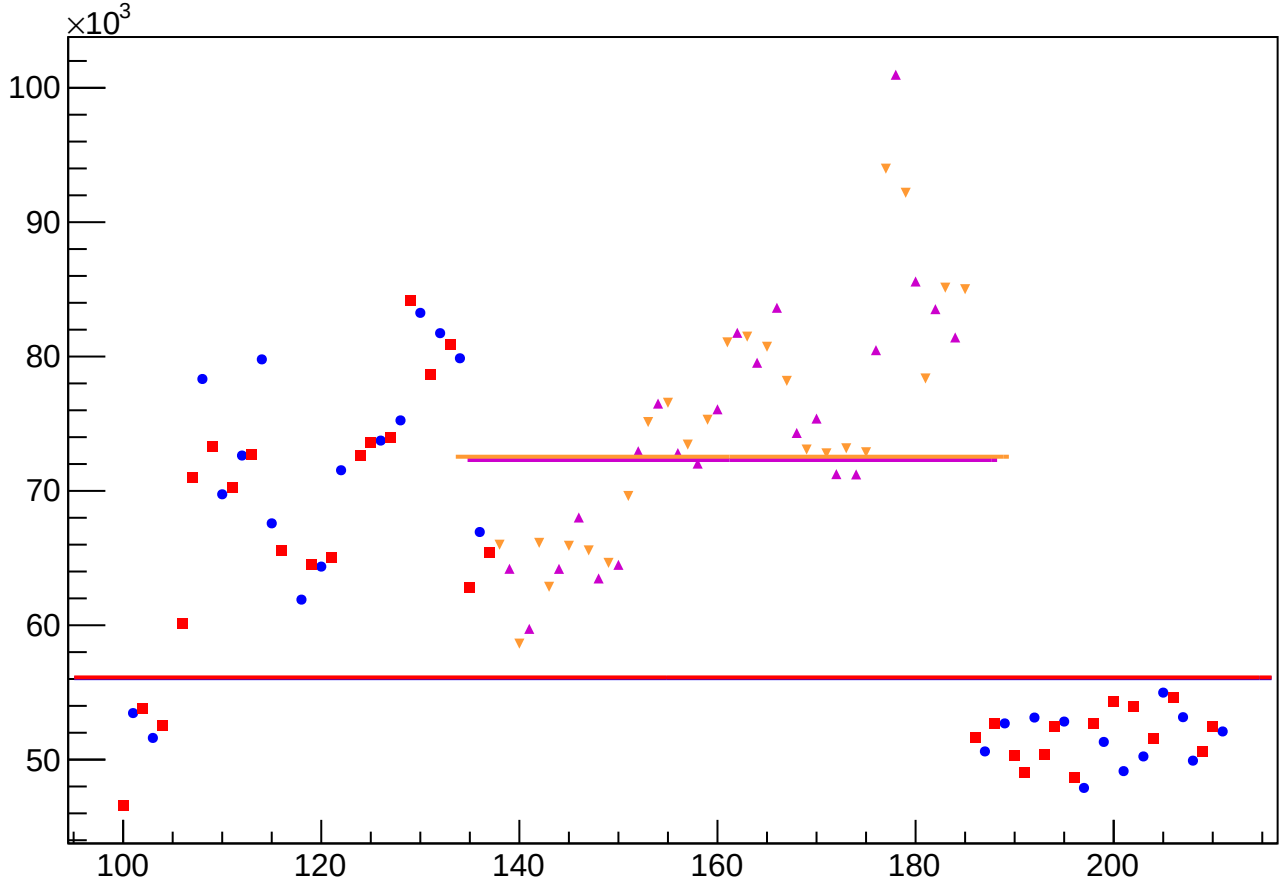
Left In: -16.339+/-17.018 χ^2/NDF:28.7/22

+ sign 7.868+/-10.688 χ^2/NDF: 92.2/52

All: -11.888+/-7.491 χ^2/NDF: 234.2/108

- sign -30.966+/-10.503 χ^2/NDF: 135.3/55

diff_bpm0r03X_rms vs Slug



Right In: 56063.163+/-9.874 χ^2/NDF: 851287.9/27

Left Out: 72544.327+/-11.744 χ^2/NDF:500066.2/24

Right Out: 56116.286+/-9.439 χ^2/NDF: 756217.0/32

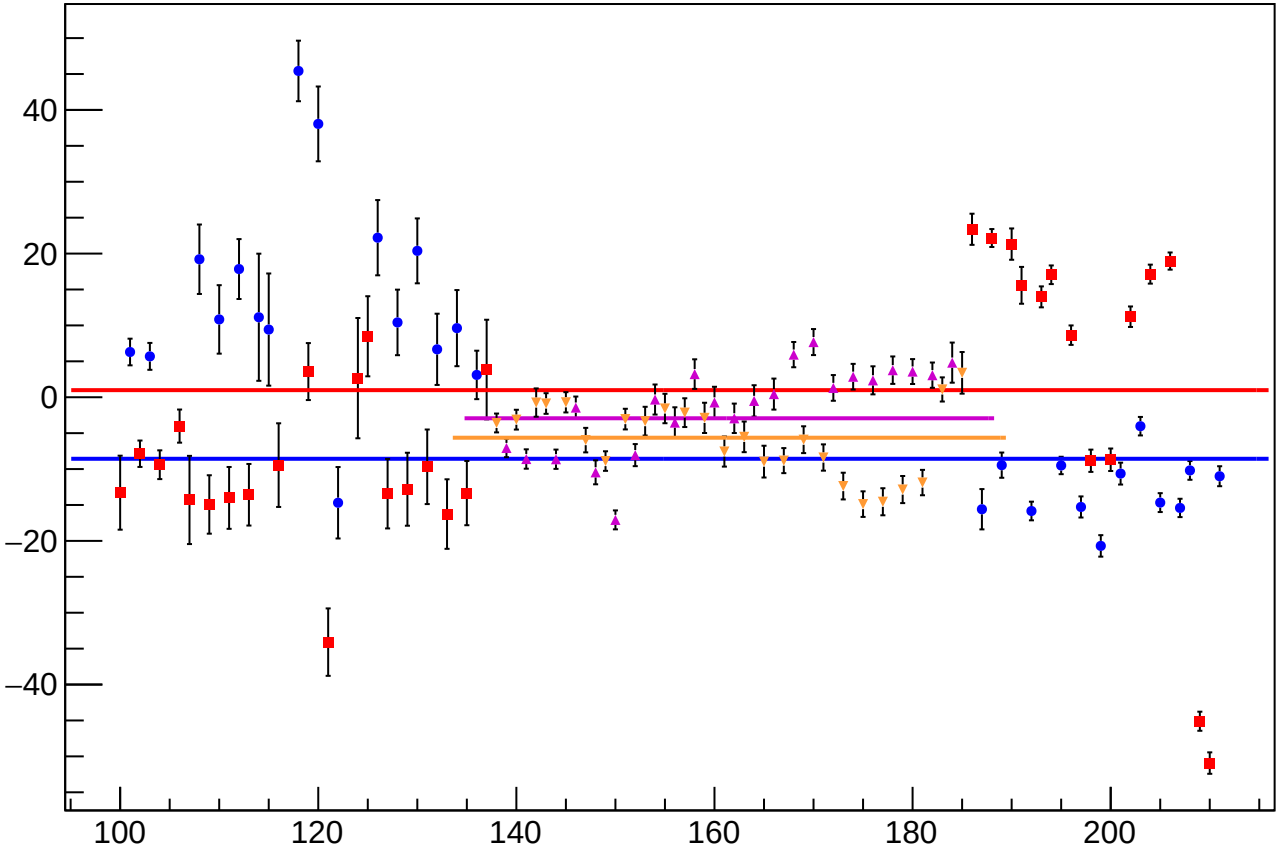
Left In: 72300.590+/-12.033 χ^2/NDF:488780.3/22

+ sign 62888.903+/-7.558 χ^2/NDF: 2505228.4/52

All: 62579.648+/-5.297 χ^2/NDF: 4873389.9/1

- sign 62281.008+/-7.427 χ^2/NDF: 2364870.1/55

diff_bpm0r03Y_mean vs Slug



Right In: -8.568+/-0.374 χ^2/NDF: 788.0/27

Left Out: -5.636+/-0.349 χ^2/NDF:178.2/24

Right Out: 0.988+/-0.358 χ^2/NDF: 3910.4/32

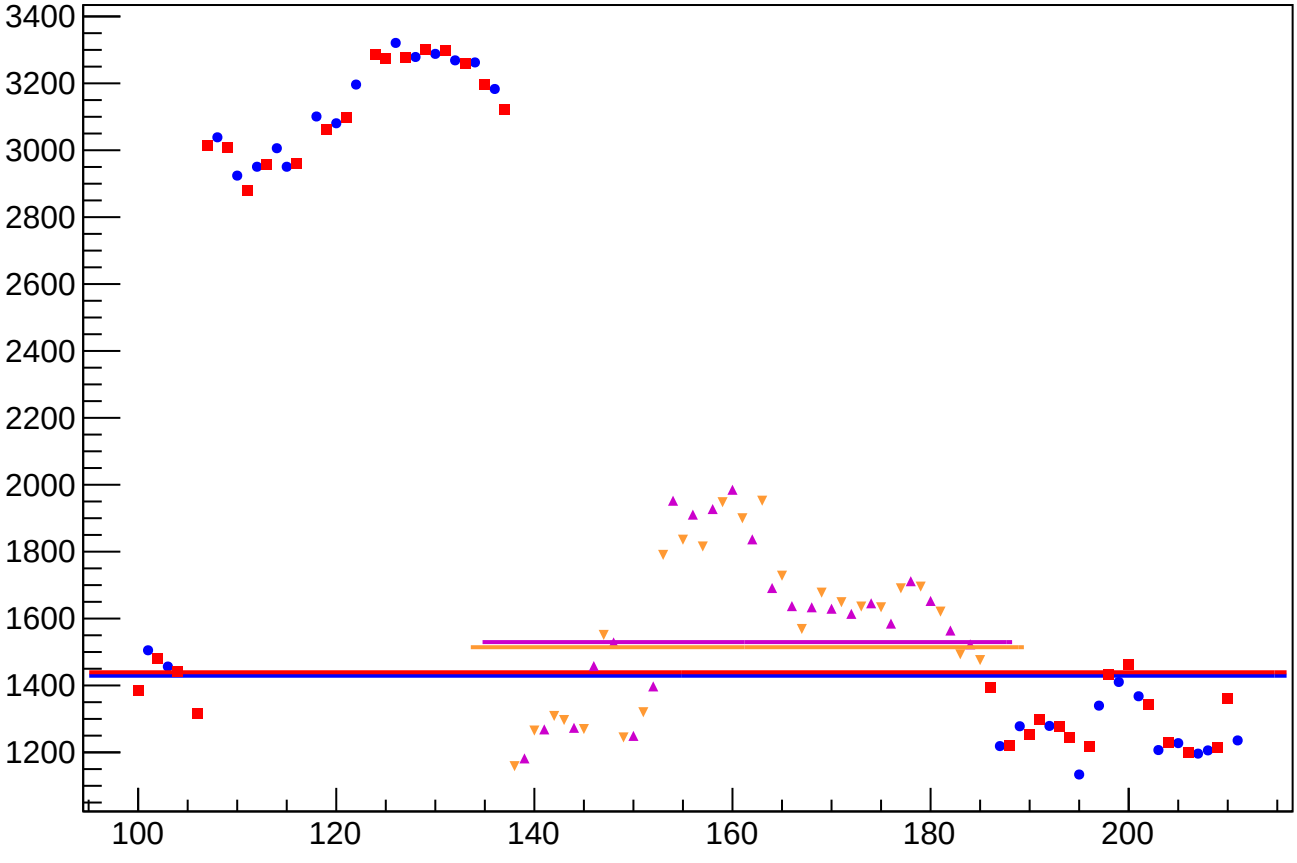
Left In: -2.929+/-0.362 χ^2/NDF:337.4/22

\+ sign -7.000+/-0.255 χ^2/NDF: 999.0/52

All: -3.966+/-0.180 χ^2/NDF: 5588.1/108

\- sign -0.946+/-0.255 χ^2/NDF: 4307.0/55

diff_bpm0r03Y_rms vs Slug



Right In: 1429.086+/-0.264 χ^2/NDF: 4032665.9/27

Left Out: 1514.334+/-0.247 χ^2/NDF:933332.1/24

Right Out: 1439.454+/-0.253 χ^2/NDF: 3877656.2/32

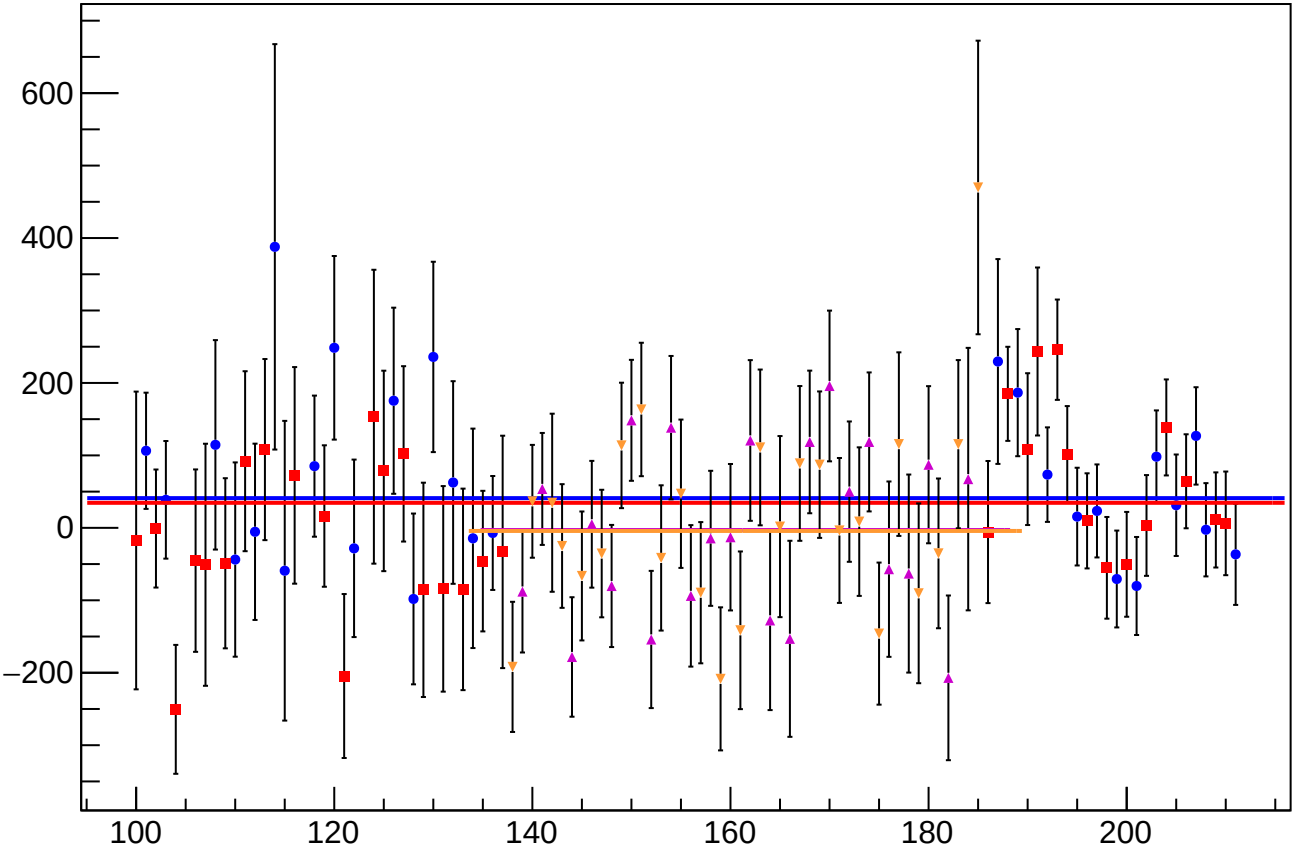
Left In: 1529.635+/-0.256 χ^2/NDF:828481.7/22

+ sign 1474.657+/-0.180 χ^2/NDF: 5021527.5/52

All: 1479.329+/-0.127 χ^2/NDF: 9791747.7/10

- sign 1483.978+/-0.180 χ^2/NDF: 4768882.9/55

diff_bpm0r05X_mean vs Slug



Right In: 41.020+/-16.593 χ^2/NDF: 26.8/27

Left Out: -4.274+/-20.240 χ^2/NDF:30.4/24

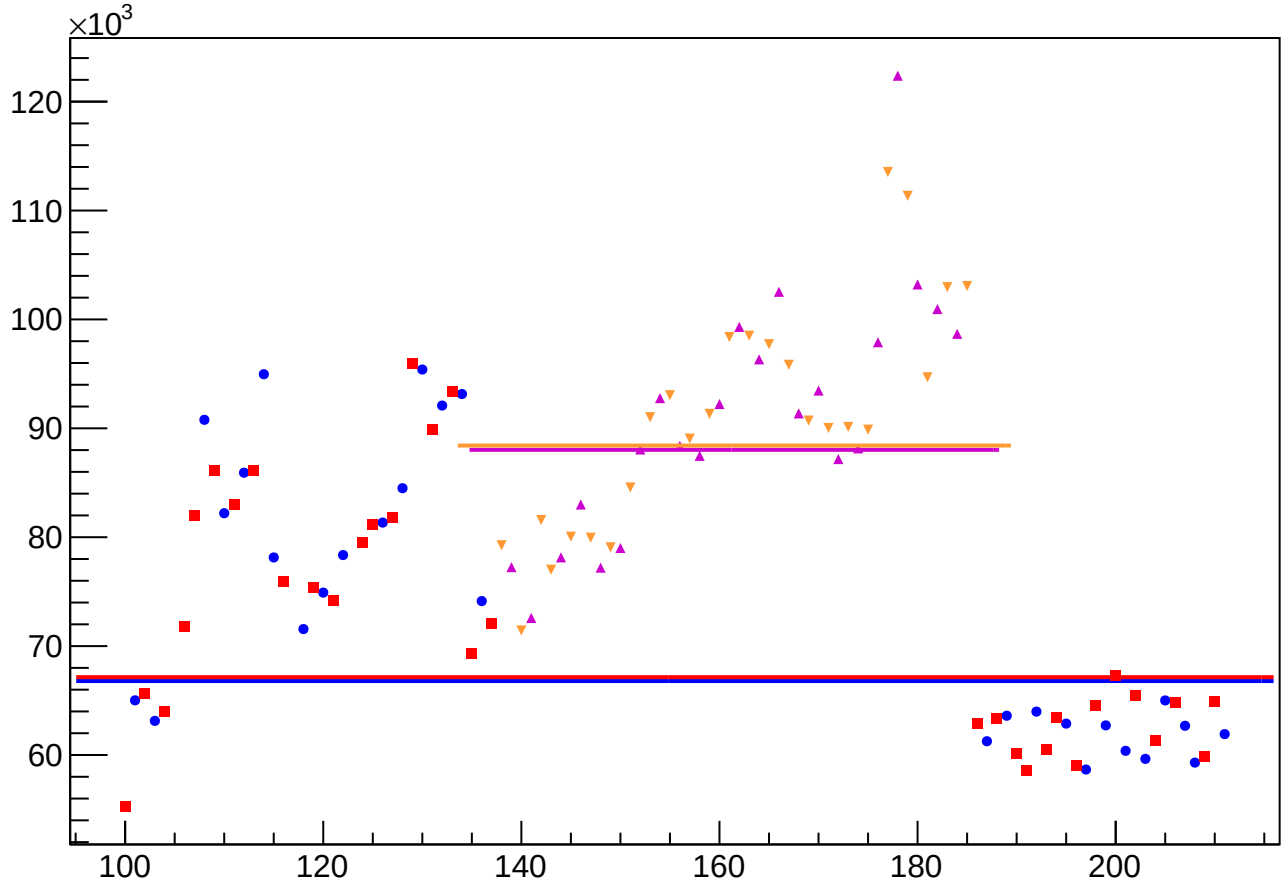
Right Out: 34.557+/-15.942 χ^2/NDF: 46.5/32

Left In: -3.017+/-20.720 χ^2/NDF:30.7/22

+ sign 22.815+/-12.832 χ^2/NDF: 60.3/52

All: 21.683+/-9.003 χ^2/NDF: 139.5/108

- sign 20.585+/-12.635 χ^2/NDF: 79.3/55



Right In: 66790.802+/-11.733 χ^2/NDF: 646466.6/27

Left Out: 88417.953+/-14.312 χ^2/NDF:481954.0/24

Right Out: 67148.044+/-11.273 χ^2/NDF: 581494.7/32

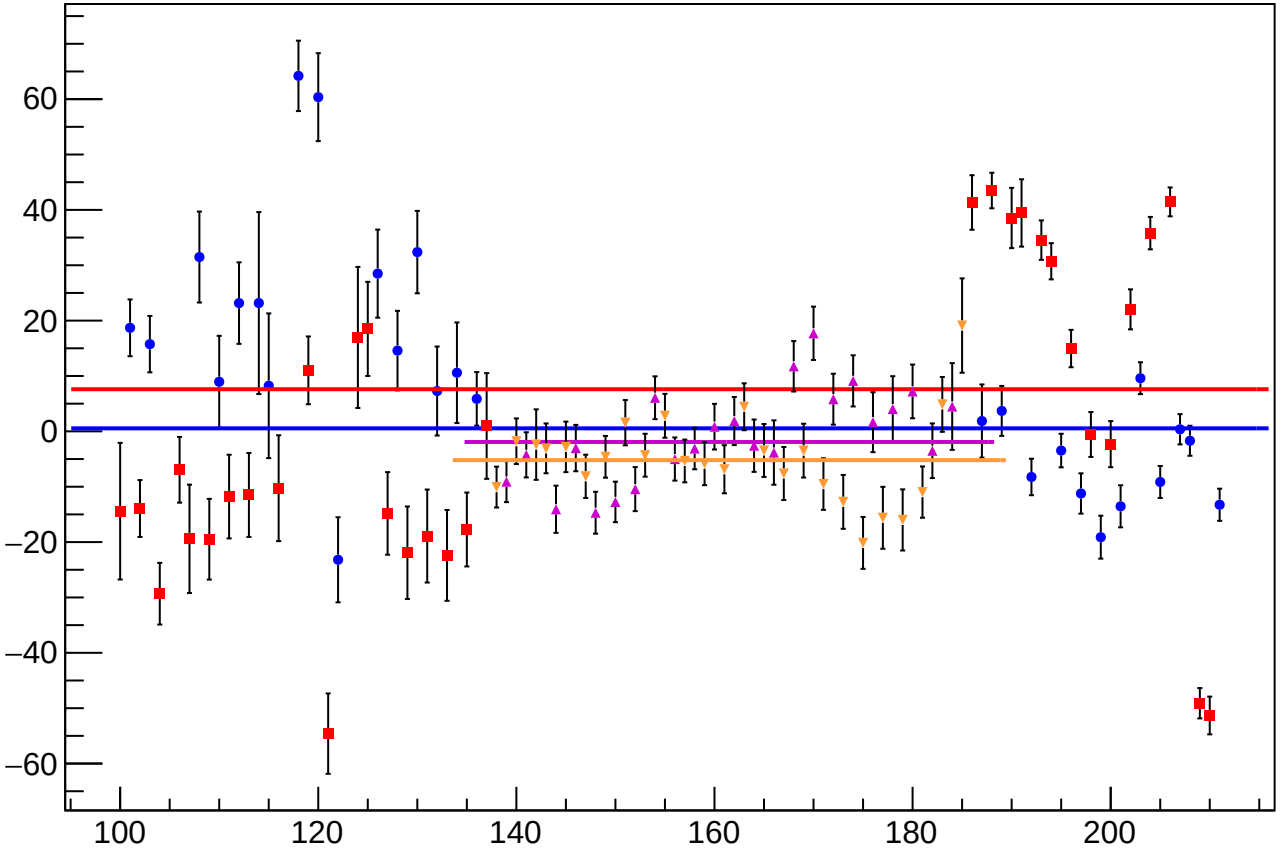
Left In: 88023.592+/-14.651 χ^2/NDF:484812.2/22

+ sign 75483.483+/-9.073 χ^2/NDF: 2494126.7/52

All: 75192.750+/-6.366 χ^2/NDF: 4837691.0/1

- sign 74910.866+/-8.934 χ^2/NDF: 2341542.1/55

diff_bpm0r05Y_mean vs Slug



Right In: 0.544+/-0.837 χ^2/NDF: 356.2/27

Left Out: -5.206+/-0.894 χ^2/NDF:51.0/24

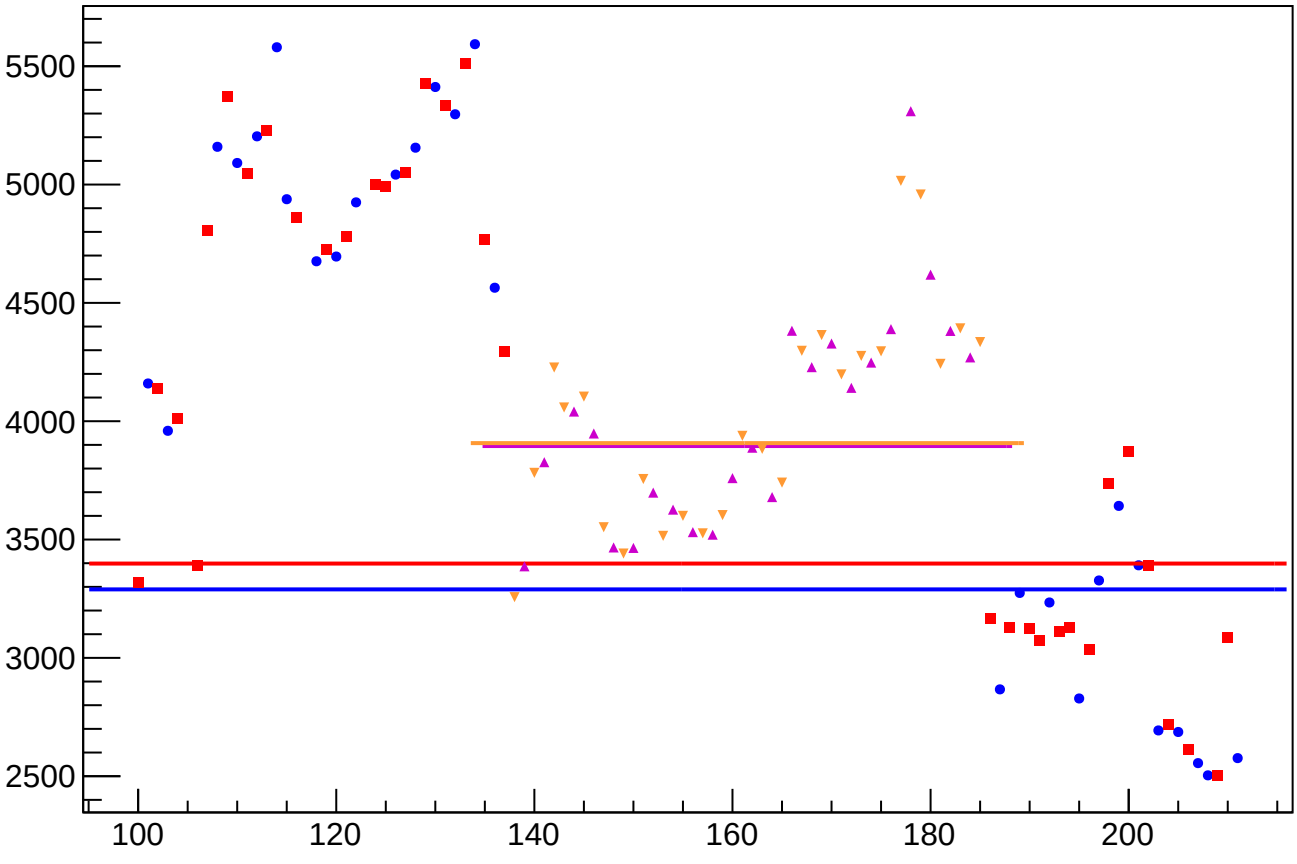
Right Out: 7.610+/-0.823 χ^2/NDF: 1601.1/32

Left In: -1.924+/-0.916 χ^2/NDF:83.2/22

+ sign -2.142+/-0.611 χ^2/NDF: 429.2/52

All: 0.601+/-0.432 χ^2/NDF: 2213.9/108

- sign 3.355+/-0.612 χ^2/NDF: 1744.3/55



Right In: 3289.397+/-0.592 χ^2/NDF: 2209955.1/27

Left Out: 3907.465+/-0.632 χ^2/NDF:441202.5/24

Right Out: 3398.513+/-0.582 χ^2/NDF: 1974579.3/32

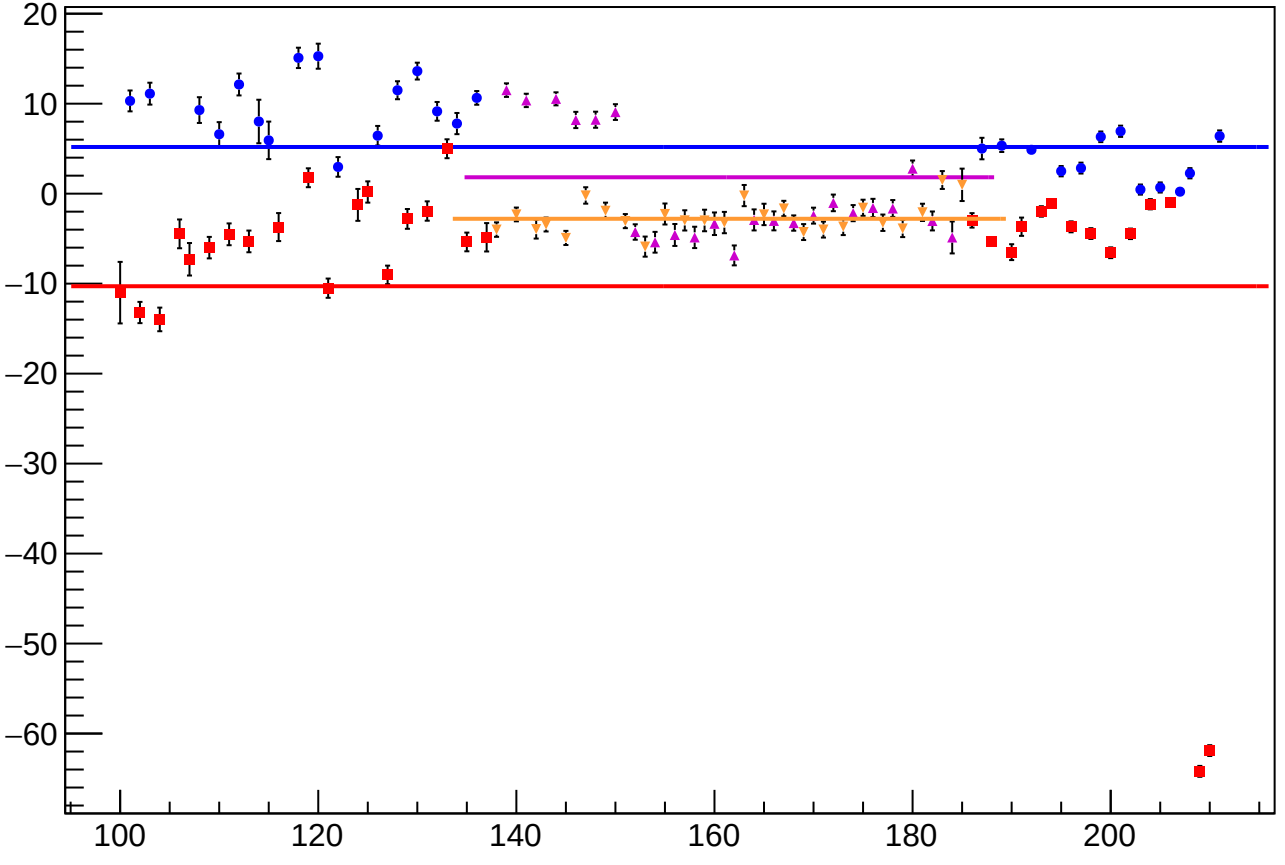
Left In: 3895.108+/-0.648 χ^2/NDF:409913.9/22

+ sign 3578.077+/-0.432 χ^2/NDF: 3160781.4/52

All: 3599.071+/-0.306 χ^2/NDF: 5875279.9/10

- sign 3620.151+/-0.433 χ^2/NDF: 2709764.6/55

diff_bpm2i01X_mean vs Slug



Right In: 5.186+/-0.149 χ^2/NDF: 705.7/27

Left Out: -2.792+/-0.190 χ^2/NDF:68.4/24

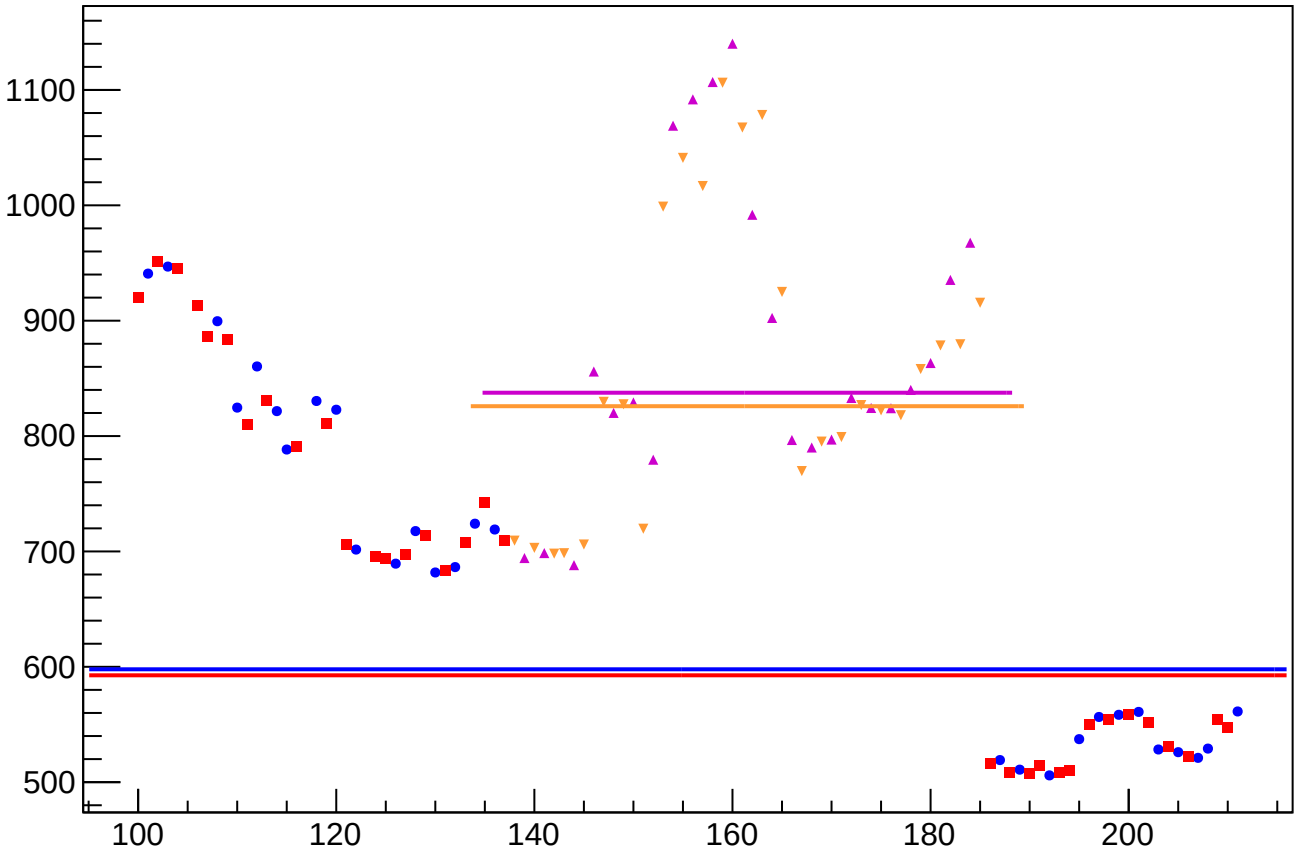
Right Out: -10.289+/-0.142 χ^2/NDF: 17687.6/32

Left In: 1.820+/-0.198 χ^2/NDF:1026.0/22

+ sign 2.142+/-0.117 χ^2/NDF: 1863.9/52

All: -2.102+/-0.082 χ^2/NDF: 25613.6/108

- sign -6.192+/-0.115 χ^2/NDF: 21184.2/55



Right In: 597.847+/-0.106 χ^2/NDF: 1201704.8/27

Left Out: 825.883+/-0.134 χ^2/NDF:765050.9/24

Right Out: 592.632+/-0.100 χ^2/NDF: 1346418.5/32

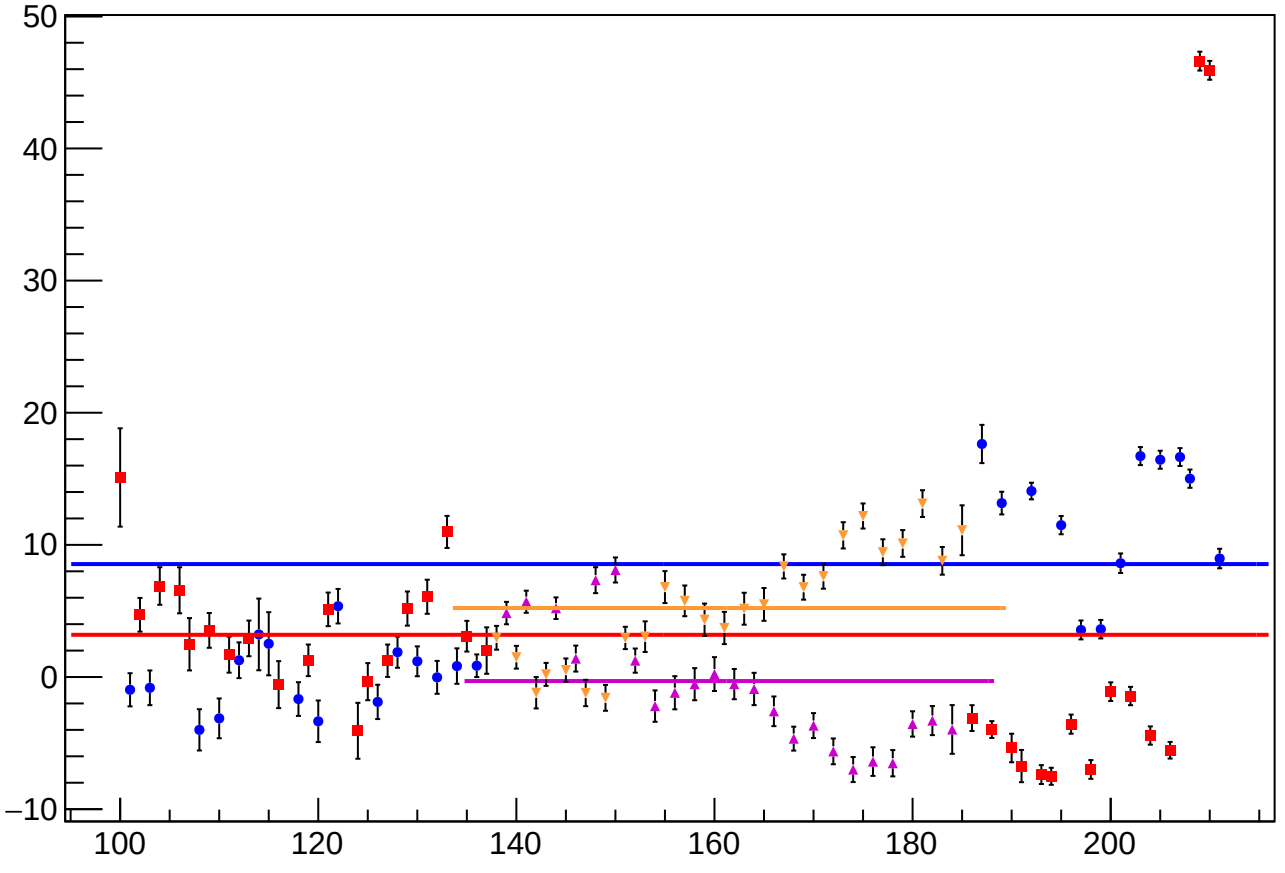
Left In: 837.569+/-0.140 χ^2/NDF:714157.0/22

+ sign 684.853+/-0.083 χ^2/NDF: 3747140.5/52

All: 680.093+/-0.058 χ^2/NDF: 7835820.6/108

- sign 675.505+/-0.082 χ^2/NDF: 4082224.1/55

diff_bpm2i01Y_mean vs Slug



Right In: 8.547+/-0.177 χ^2/NDF: 1469.8/27

Left Out: 5.219+/-0.204 χ^2/NDF:449.9/24

Right Out: 3.195+/-0.168 χ^2/NDF: 8848.1/32

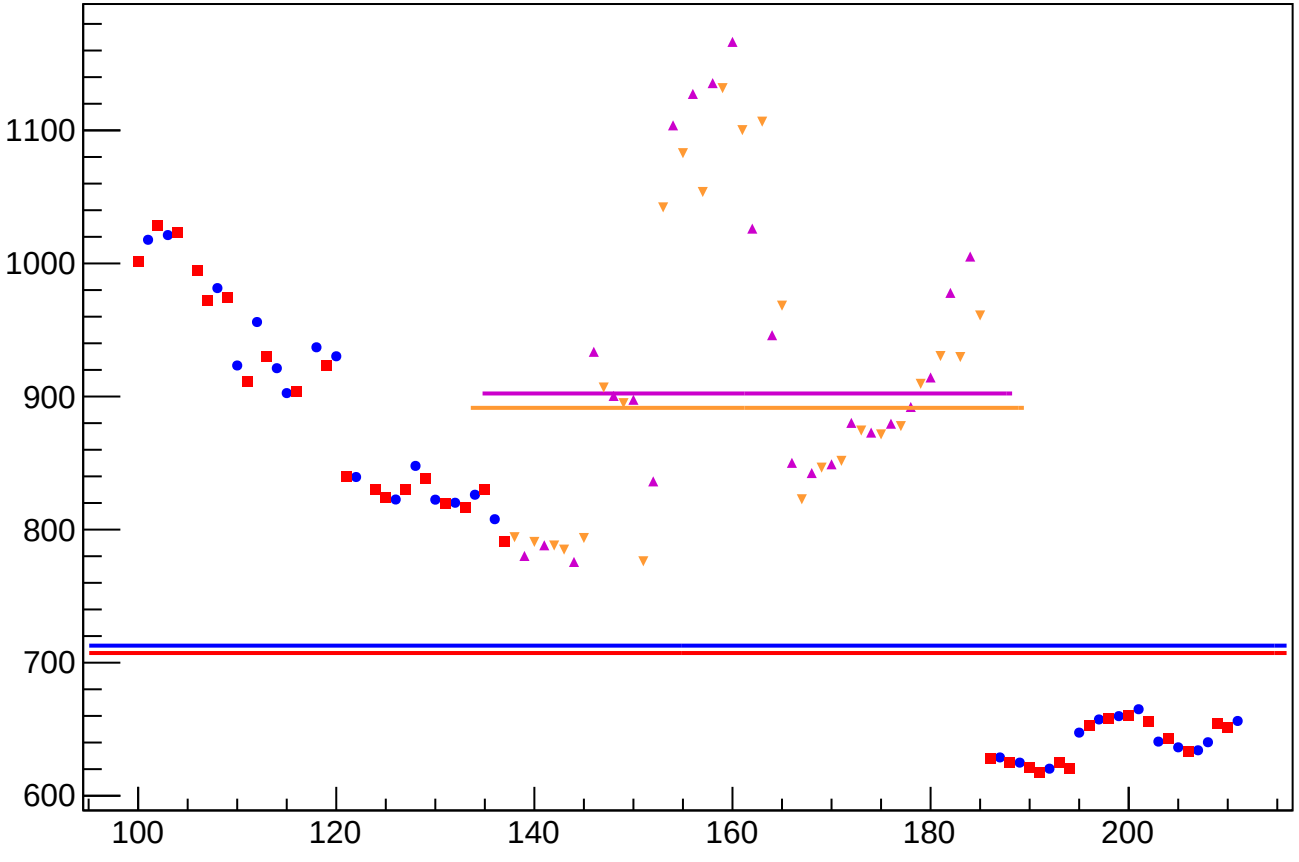
Left In: -0.304+/-0.213 χ^2/NDF:495.2/22

+ sign 7.120+/-0.134 χ^2/NDF: 2071.1/52

All: 4.446+/-0.094 χ^2/NDF: 12367.7/108

- sign 1.848+/-0.132 χ^2/NDF: 9509.9/55

diff_bpm2i01Y_rms vs Slug



Right In: 712.807+/-0.125 χ^2/NDF: 876741.6/27

Left Out: 891.492+/-0.145 χ^2/NDF:517791.6/24

Right Out: 707.256+/-0.119 χ^2/NDF: 983379.1/32

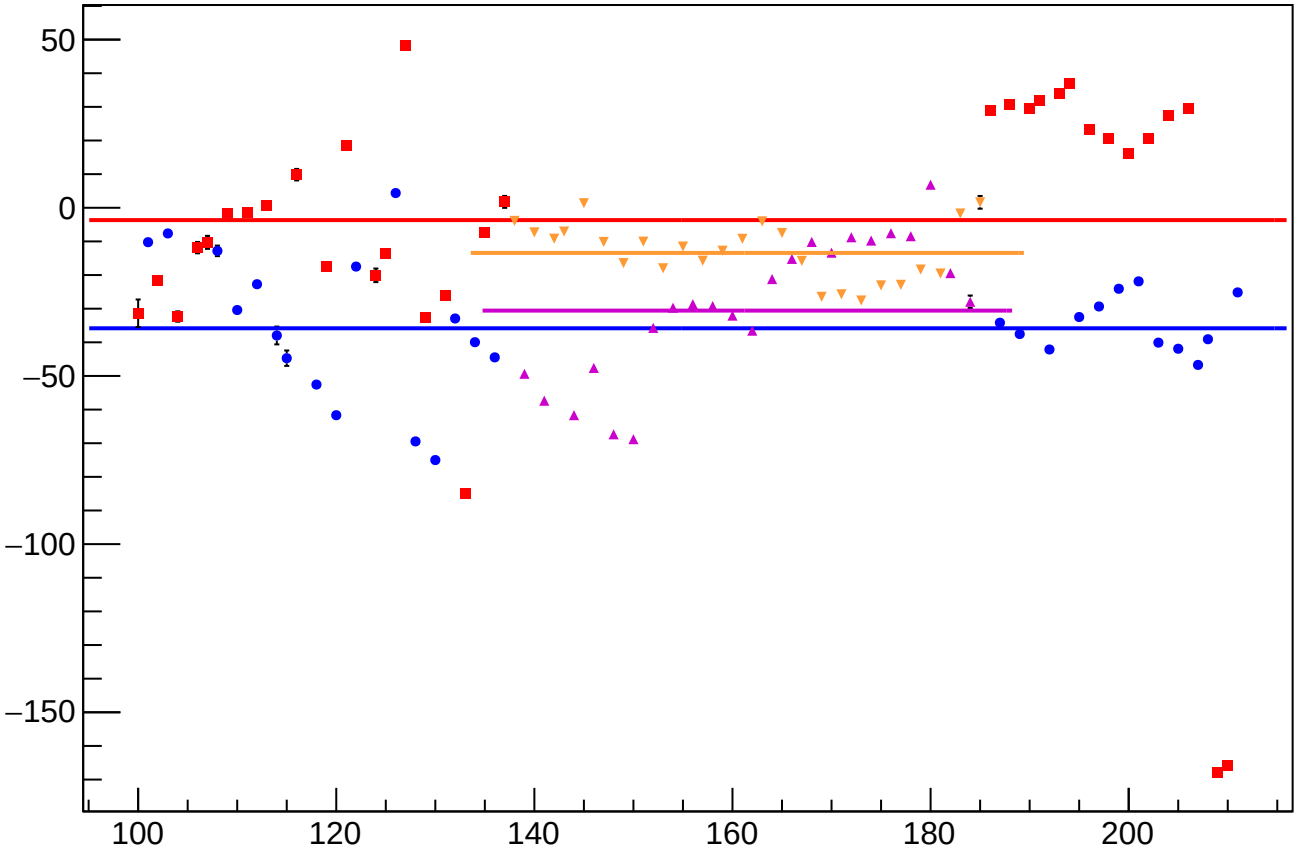
Left In: 902.292+/-0.150 χ^2/NDF:484924.8/22

+ sign 789.455+/-0.095 χ^2/NDF: 2267589.4/52

All: 785.854+/-0.066 χ^2/NDF: 4773263.9/108

- sign 782.354+/-0.093 χ^2/NDF: 2502820.5/55

diff_bpm2i02X_mean vs Slug



Right In: -35.828+/-0.174 χ^2/NDF: 6679.1/27

Left Out: -13.420+/-0.206 χ^2/NDF:1663.3/24

Right Out: -3.665+/-0.166 χ^2/NDF: 134083.5/32

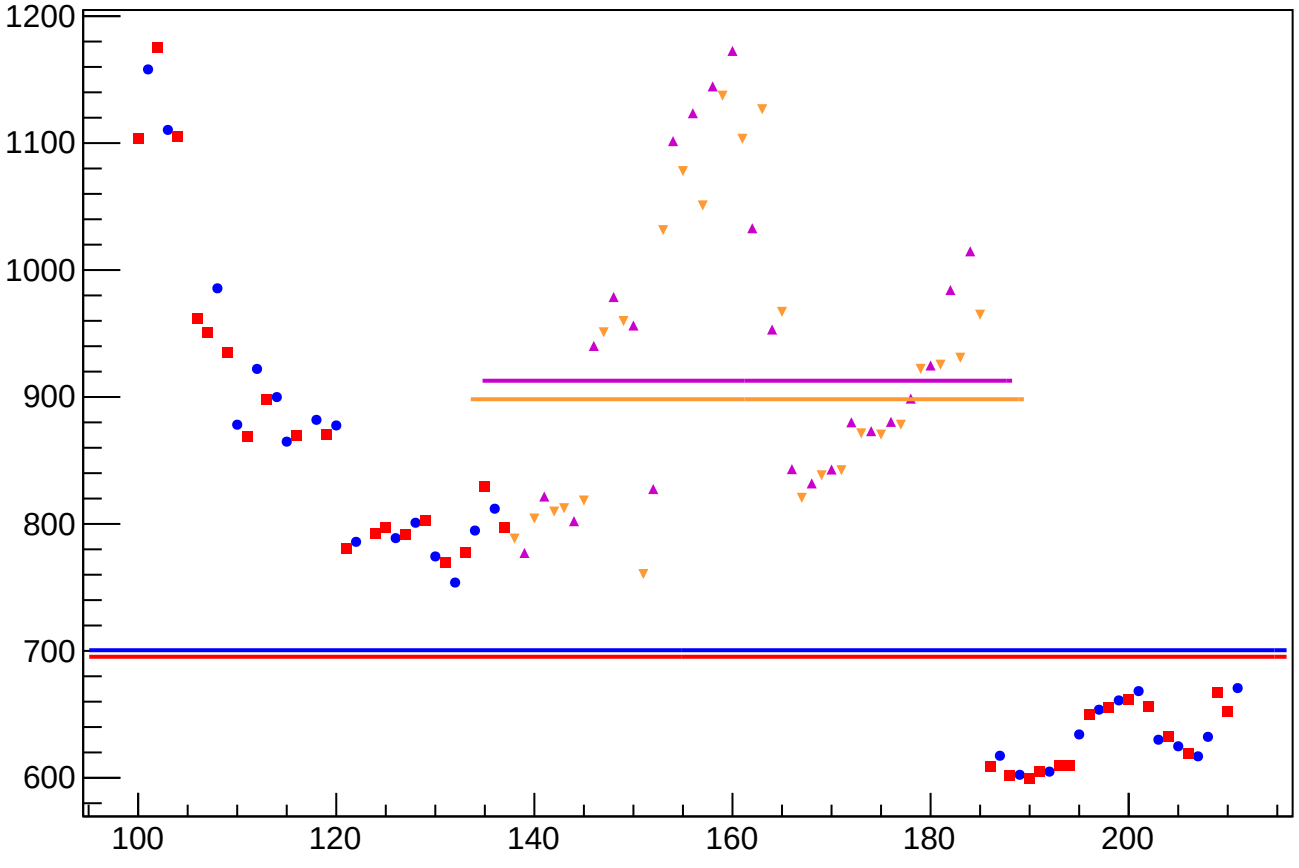
Left In: -30.571+/-0.215 χ^2/NDF:10386.5/22

+ sign -26.482+/-0.133 χ^2/NDF: 15243.0/52

All: -19.988+/-0.093 χ^2/NDF: 174239.4/108

- sign -13.669+/-0.131 χ^2/NDF: 154292.6/55

diff_bpm2i02X_rms vs Slug



Right In: 700.523+/-0.123 χ^2/NDF: 939332.4/27

Left Out: 898.227+/-0.146 χ^2/NDF:518370.6/24

Right Out: 695.365+/-0.117 χ^2/NDF: 1036913.7/32

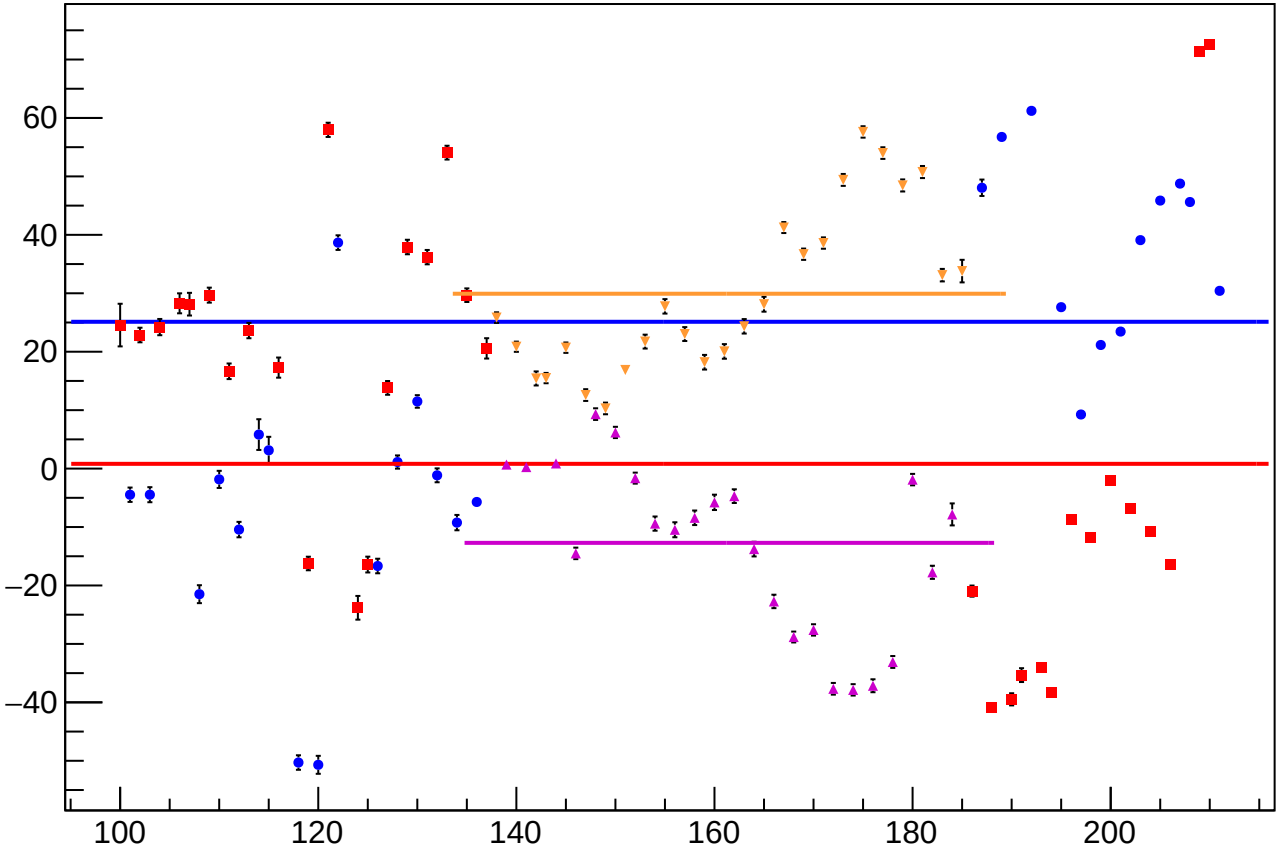
Left In: 912.817+/-0.152 χ^2/NDF:480021.0/22

+ sign 782.983+/-0.094 χ^2/NDF: 2532012.7/52

All: 779.551+/-0.066 χ^2/NDF: 5334735.6/108

- sign 776.211+/-0.093 χ^2/NDF: 2800095.9/55

diff_bpm2i02Y_mean vs Slug



Right In: 25.122+/-0.172 χ^2/NDF: 23213.1/27

Left Out: 29.922+/-0.209 χ^2/NDF:4580.4/24

Right Out: 0.815+/-0.163 χ^2/NDF: 46046.6/32

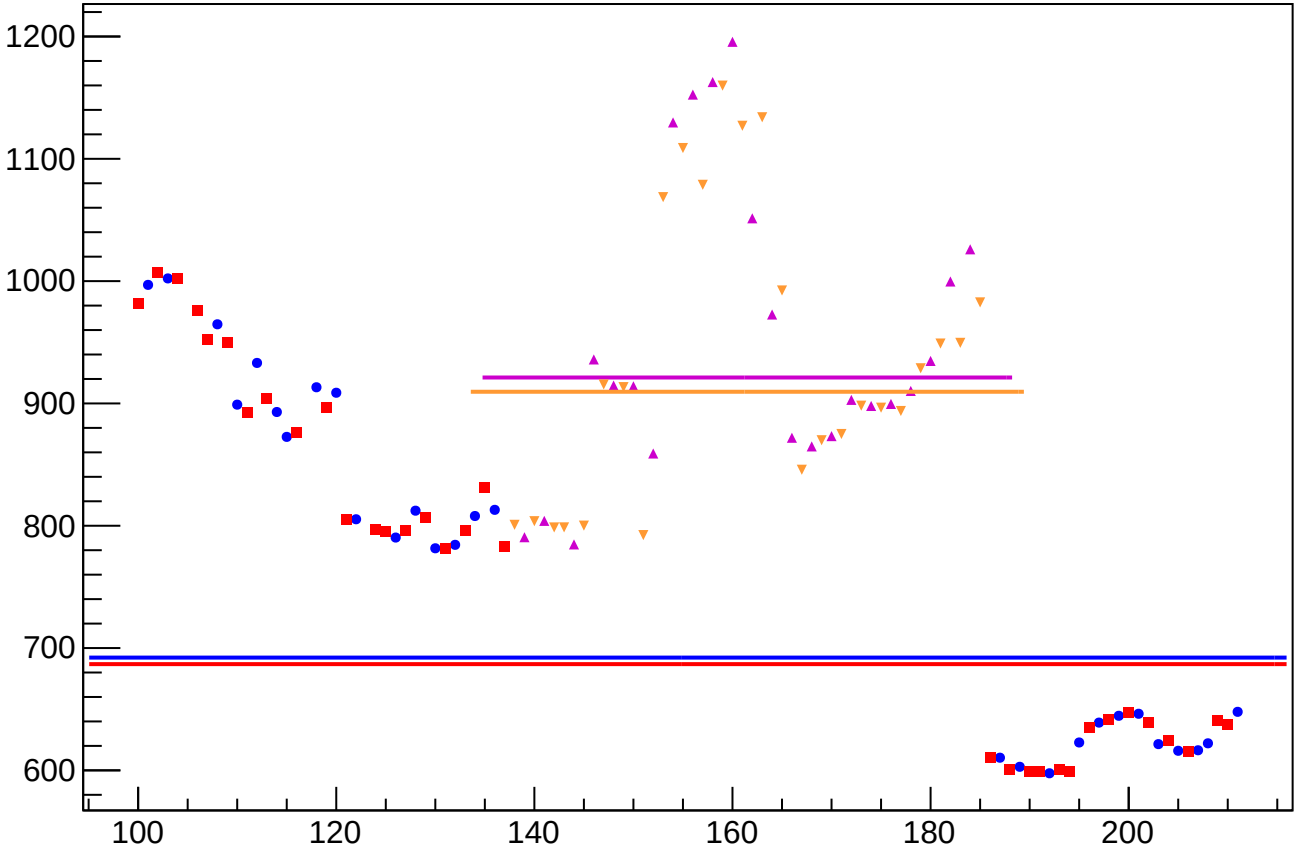
Left In: -12.708+/-0.217 χ^2/NDF:4791.2/22

\+ sign 27.066+/-0.133 χ^2/NDF: 28108.7/52

All: 11.242+/-0.093 χ^2/NDF: 109401.0/108

\- sign -4.076+/-0.131 χ^2/NDF: 53313.9/55

diff_bpm2i02Y_rms vs Slug



Right In: 692.200+/-0.122 χ^2/NDF: 902417.2/27

Left Out: 909.552+/-0.147 χ^2/NDF:541710.0/24

Right Out: 686.858+/-0.116 χ^2/NDF: 1005299.0/32

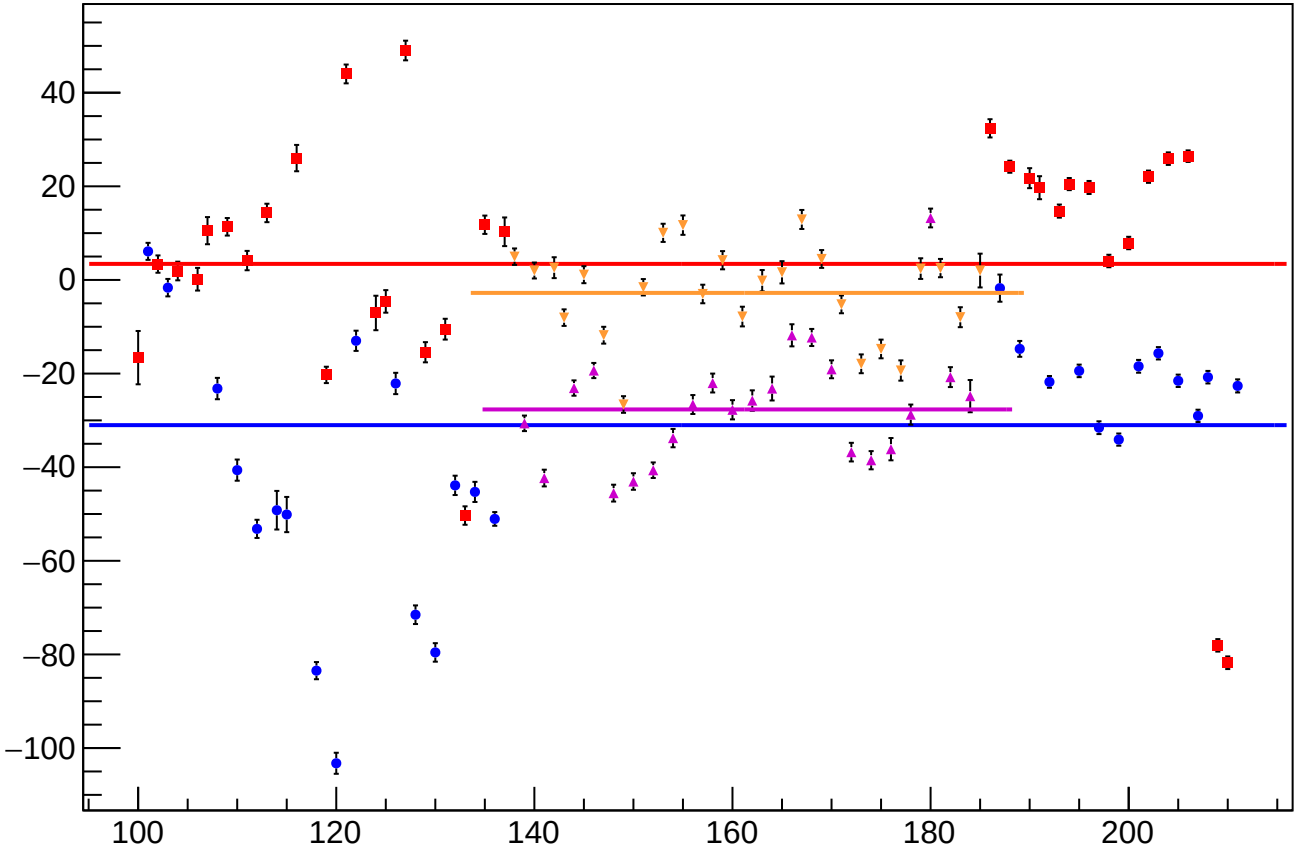
Left In: 921.198+/-0.154 χ^2/NDF:497337.0/22

+ sign 780.209+/-0.094 χ^2/NDF: 2736783.9/52

All: 775.838+/-0.066 χ^2/NDF: 5730846.0/108

- sign 771.606+/-0.092 χ^2/NDF: 2989791.7/55

diff_bpm0i02X_mean vs Slug



Right In: -31.017+/-0.319 χ^2/NDF: 4787.2/27

Left Out: -2.767+/-0.397 χ^2/NDF:616.1/24

Right Out: 3.430+/-0.305 χ^2/NDF: 11631.9/32

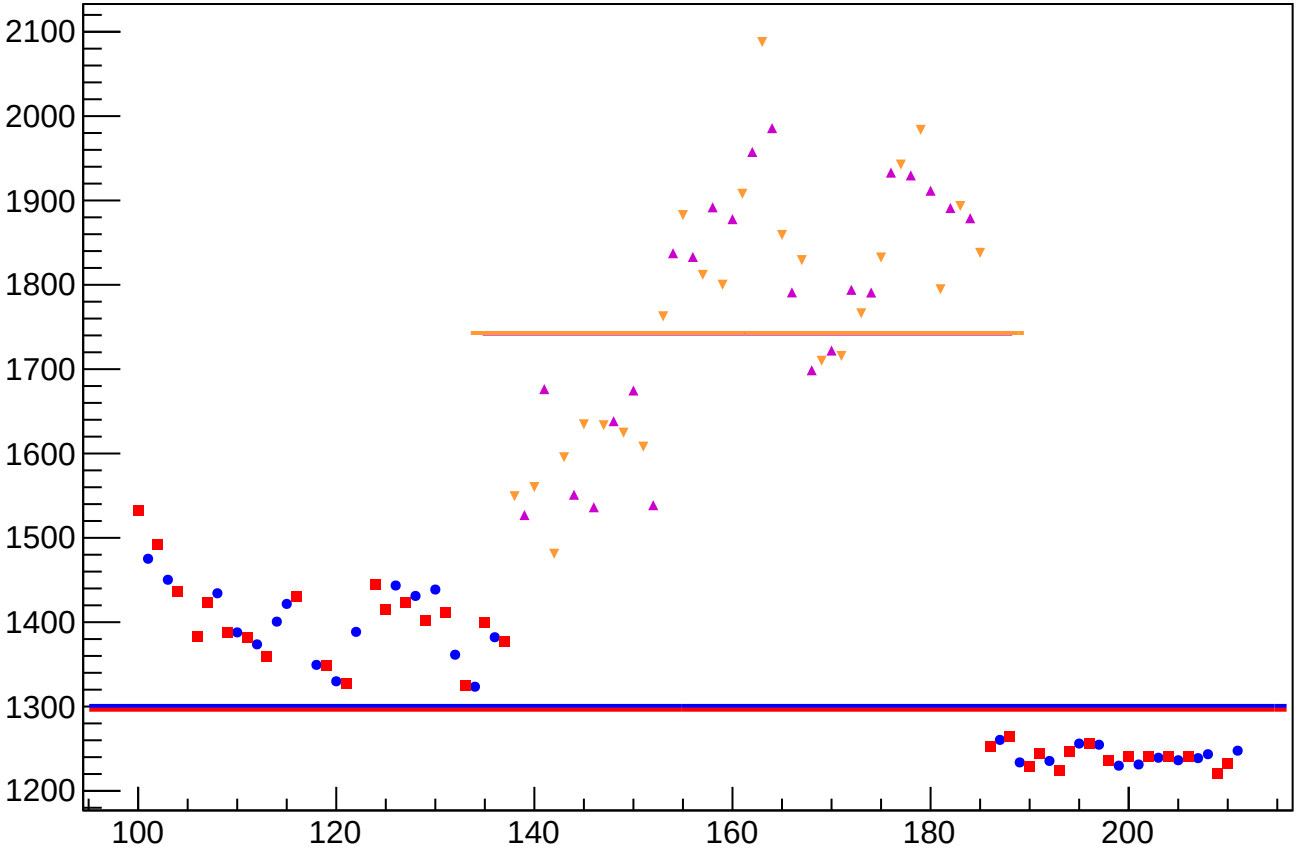
Left In: -27.663+/-0.409 χ^2/NDF:989.9/22

+ sign -19.930+/-0.249 χ^2/NDF: 8473.2/52

All: -13.689+/-0.174 χ^2/NDF: 26047.7/108

- sign -7.679+/-0.244 χ^2/NDF: 16341.1/55

diff_bpm0i02X_rms vs Slug



Right In: 1300.737+/-0.226 χ^2/NDF: 130969.1/27

Left Out: 1742.842+/-0.281 χ^2/NDF:263118.4/24

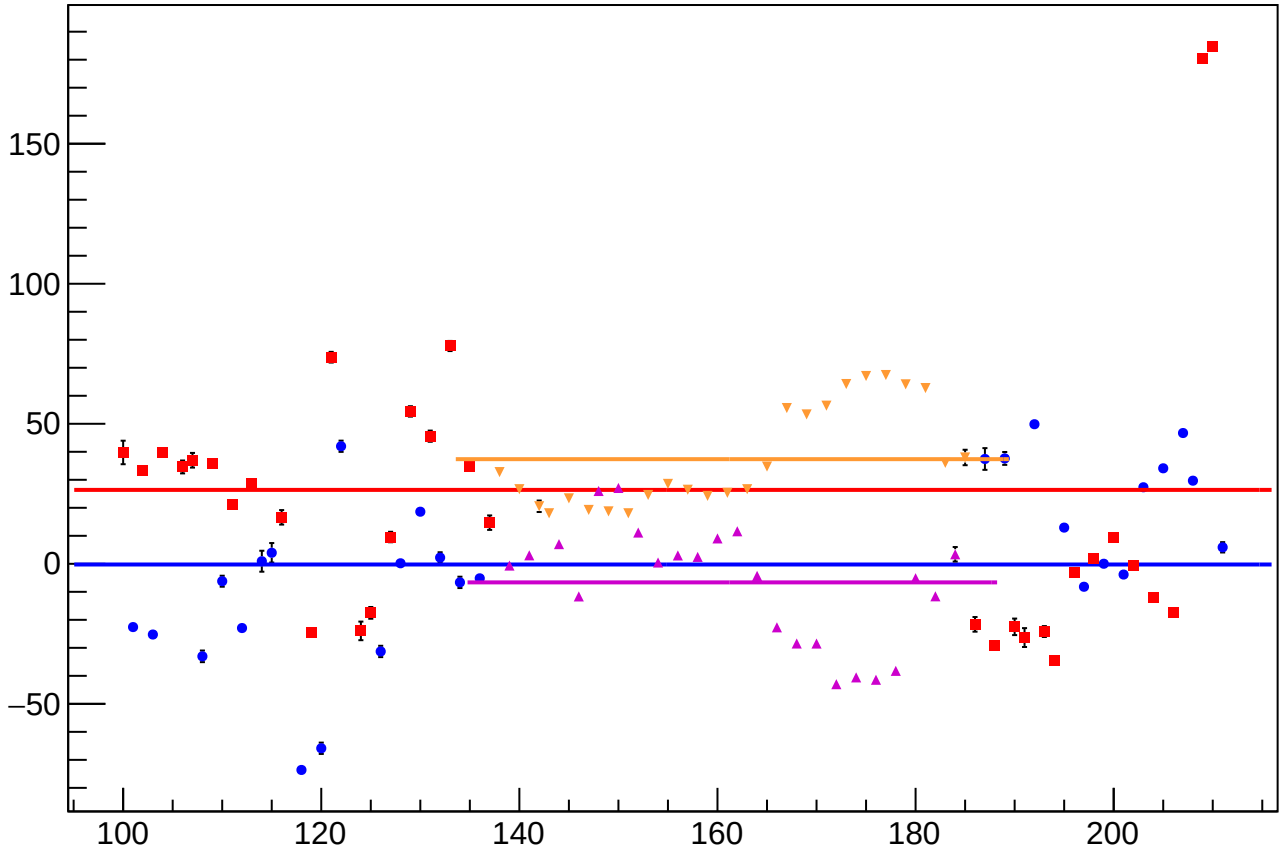
Right Out: 1296.235+/-0.215 χ^2/NDF: 136665.0/32

Left In: 1742.153+/-0.289 χ^2/NDF:261606.6/22

+ sign 1474.258+/-0.176 χ^2/NDF: 1897777.4/52

All: 1464.730+/-0.123 χ^2/NDF: 3831805.6/10

- sign 1455.555+/-0.173 χ^2/NDF: 1928279.0/55



Right In: -0.242+/-0.346 χ^2/NDF: 7635.5/27

Left Out: 37.369+/-0.308 χ^2/NDF:3395.8/24

Right Out: 26.395+/-0.332 χ^2/NDF: 27093.9/32

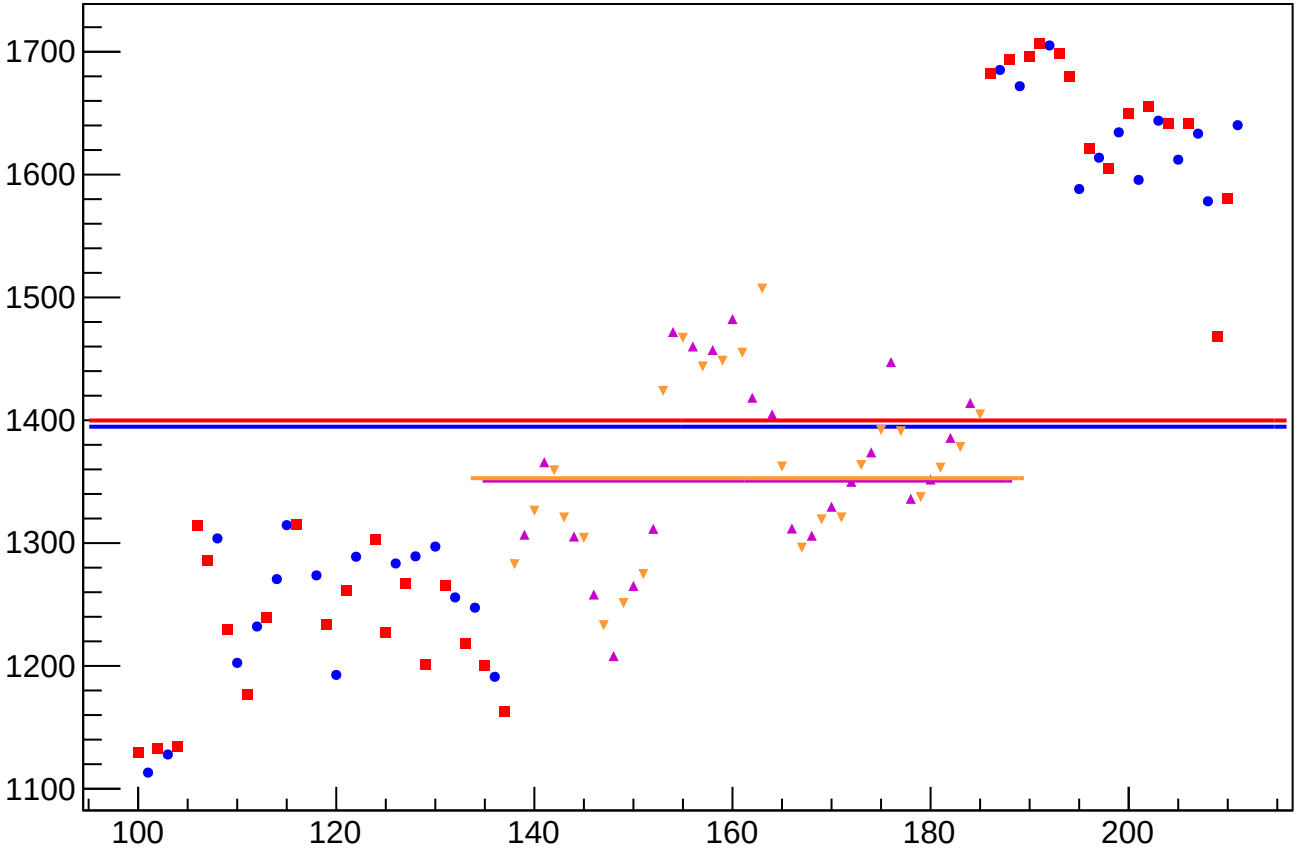
Left In: -6.631+/-0.316 χ^2/NDF:4410.3/22

+ sign 20.735+/-0.230 χ^2/NDF: 17631.7/52

All: 14.871+/-0.162 χ^2/NDF: 55616.6/108

- sign 9.052+/-0.229 χ^2/NDF: 36689.0/55

diff_bpm0i02Y_rms vs Slug



Right In: 1394.746+/-0.244 χ^2/NDF: 717210.0/27

Left Out: 1352.820+/-0.218 χ^2/NDF:104845.3/24

Right Out: 1399.815+/-0.235 χ^2/NDF: 834575.4/32

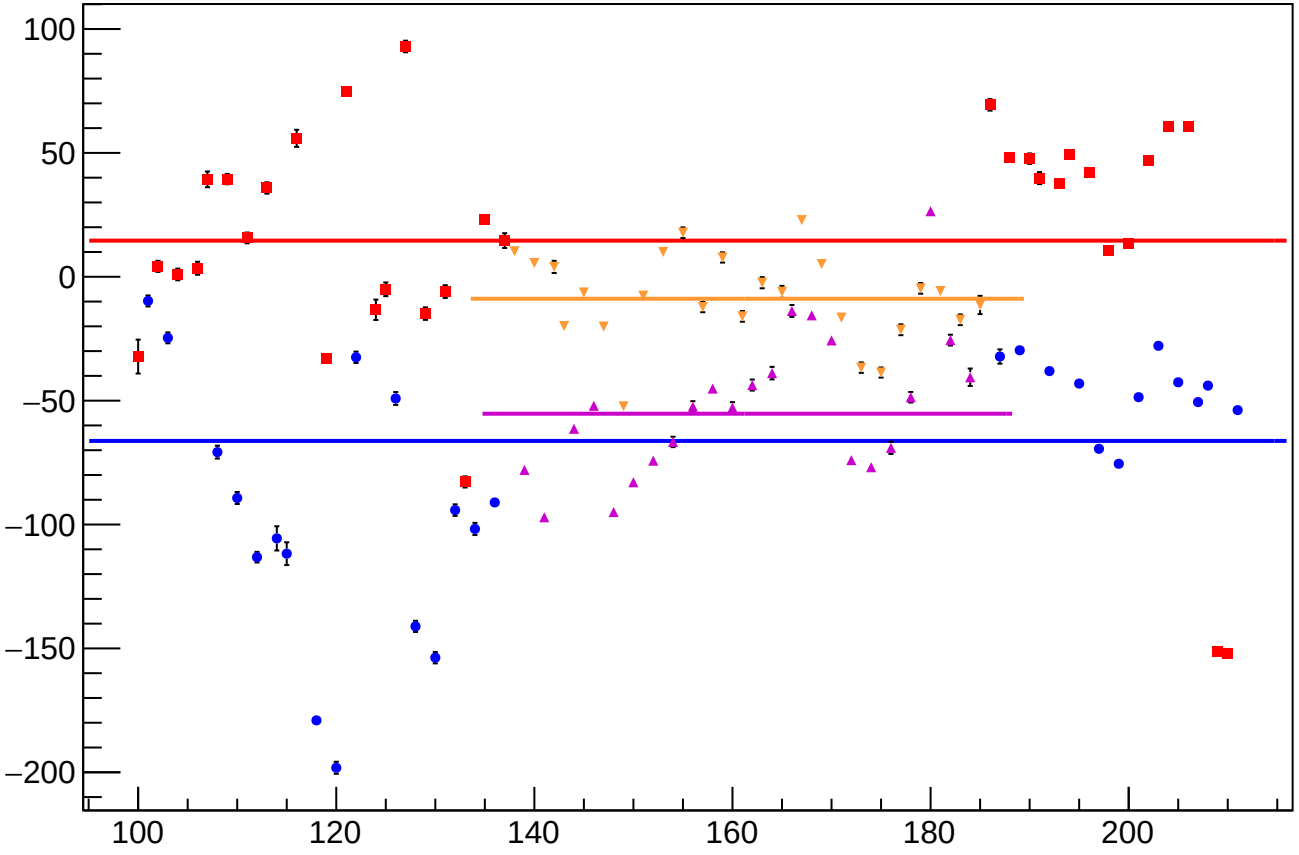
Left In: 1350.830+/-0.223 χ^2/NDF:108618.5/22

+ sign 1371.362+/-0.163 χ^2/NDF: 838459.2/52

All: 1372.732+/-0.115 χ^2/NDF: 1804606.7/10

- sign 1374.092+/-0.162 χ^2/NDF: 966006.0/55

diff_bpm0i02aX_mean vs Slug



Right In: -66.256+/-0.358 χ^2/NDF: 13937.8/27

Left Out: -8.859+/-0.407 χ^2/NDF:1953.2/24

Right Out: 14.586+/-0.338 χ^2/NDF: 32780.6/32

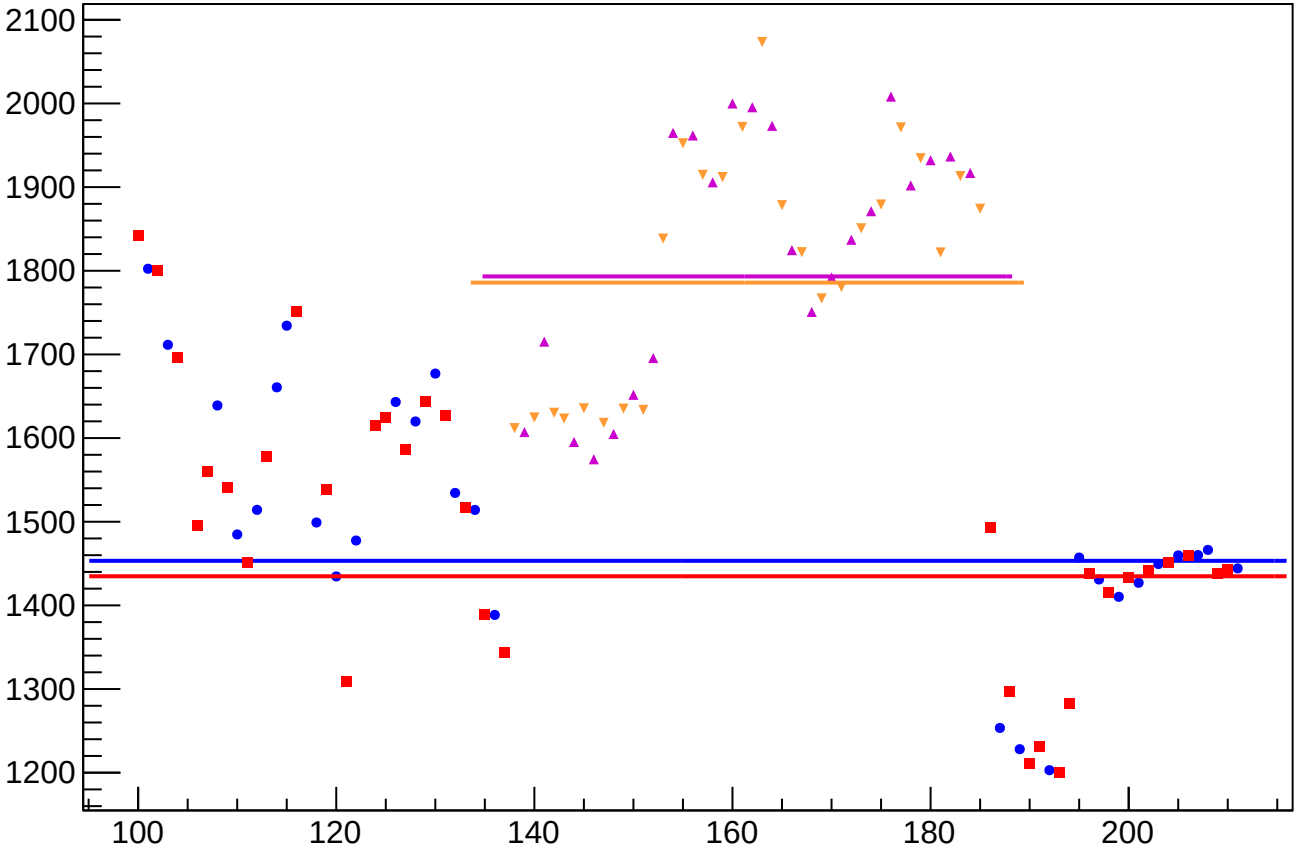
Left In: -55.266+/-0.420 χ^2/NDF:4736.1/22

\+ sign -41.250+/-0.269 χ^2/NDF: 27104.4/52

All: -26.777+/-0.188 χ^2/NDF: 87065.4/108

\- sign -12.858+/-0.264 χ^2/NDF: 54271.8/55

diff_bpm0i02aX_rms vs Slug



Right In: 1453.254+/-0.253 χ^2/NDF: 281748.1/27

Left Out: 1785.836+/-0.288 χ^2/NDF:237239.4/24

Right Out: 1434.810+/-0.239 χ^2/NDF: 330940.6/32

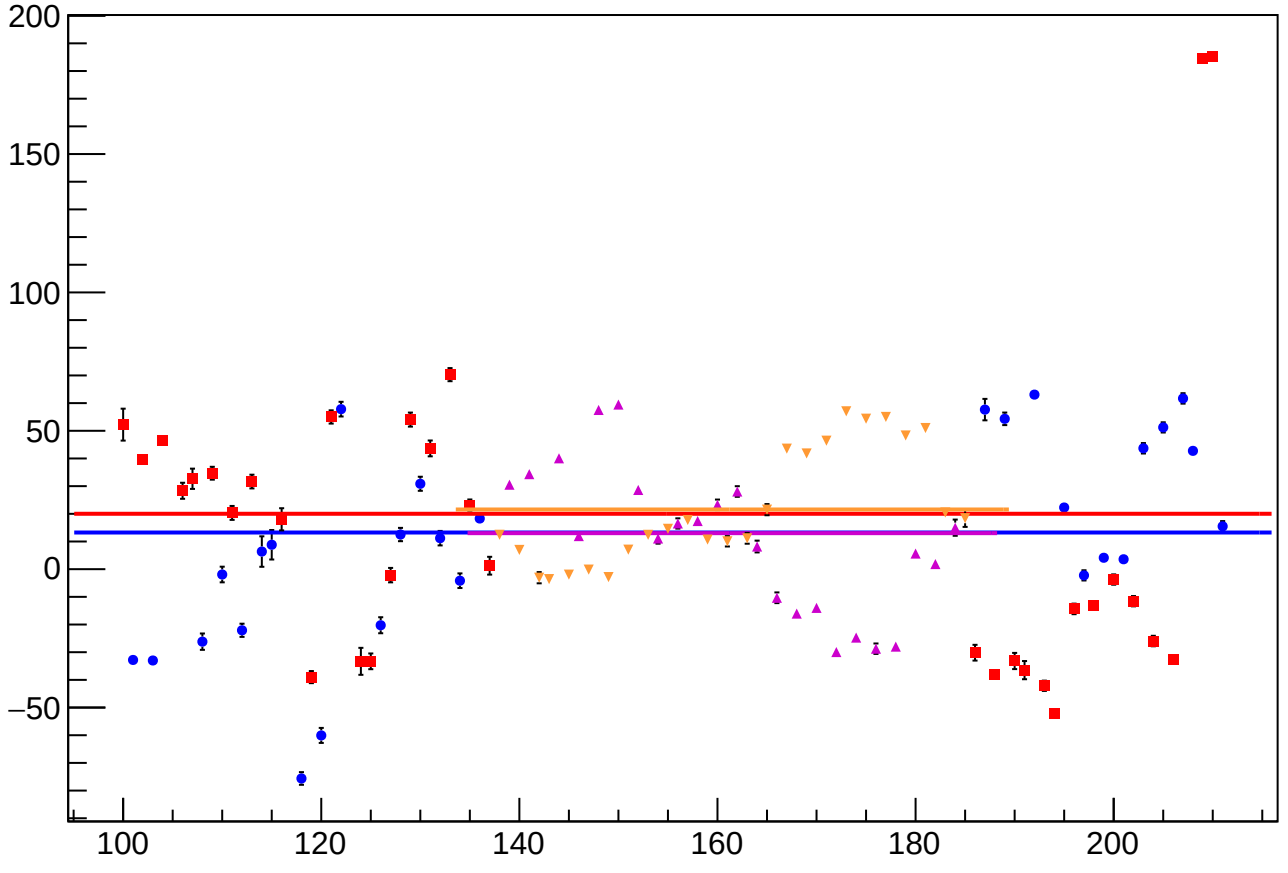
Left In: 1793.249+/-0.297 χ^2/NDF:252788.2/22

+ sign 1598.146+/-0.190 χ^2/NDF: 1272000.1/52

All: 1586.672+/-0.133 χ^2/NDF: 2745232.0/10

- sign 1575.637+/-0.186 χ^2/NDF: 1466080.2/55

diff_bpm0i02aY_mean vs Slug



Right In: 13.247+/-0.407 χ^2/NDF: 7663.3/27

Left Out: 21.567+/-0.330 χ^2/NDF:4160.8/24

Right Out: 20.019+/-0.387 χ^2/NDF: 30430.4/32

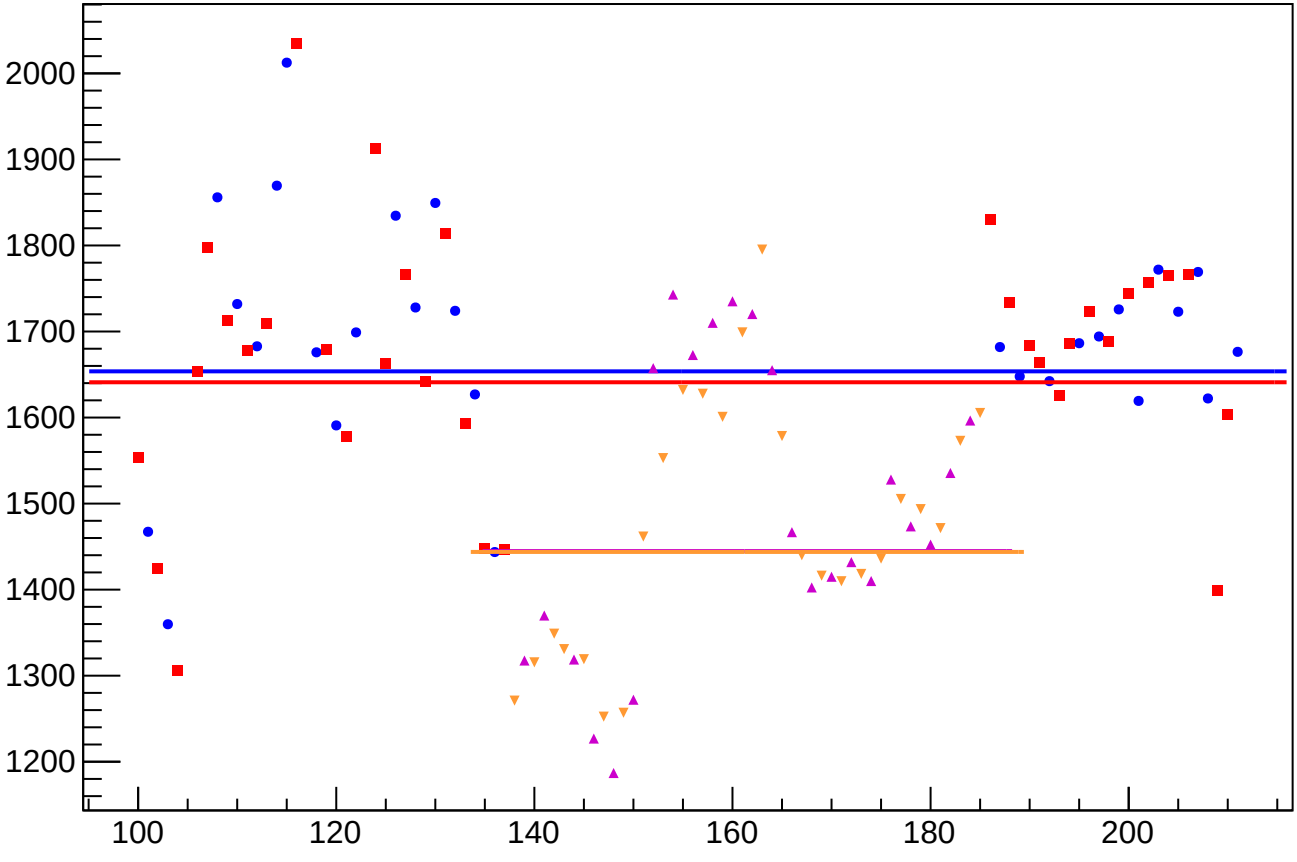
Left In: 13.014+/-0.340 χ^2/NDF:6627.2/22

+ sign 18.269+/-0.256 χ^2/NDF: 12076.1/52

All: 17.164+/-0.181 χ^2/NDF: 49355.7/108

- sign 16.066+/-0.255 χ^2/NDF: 37242.6/55

diff_bpm0i02aY_rms vs Slug



Right In: 1653.694+/-0.288 χ^2/NDF: 188494.9/27

Left Out: 1443.826+/-0.233 χ^2/NDF:352397.9/24

Right Out: 1641.006+/-0.274 χ^2/NDF: 277786.5/32

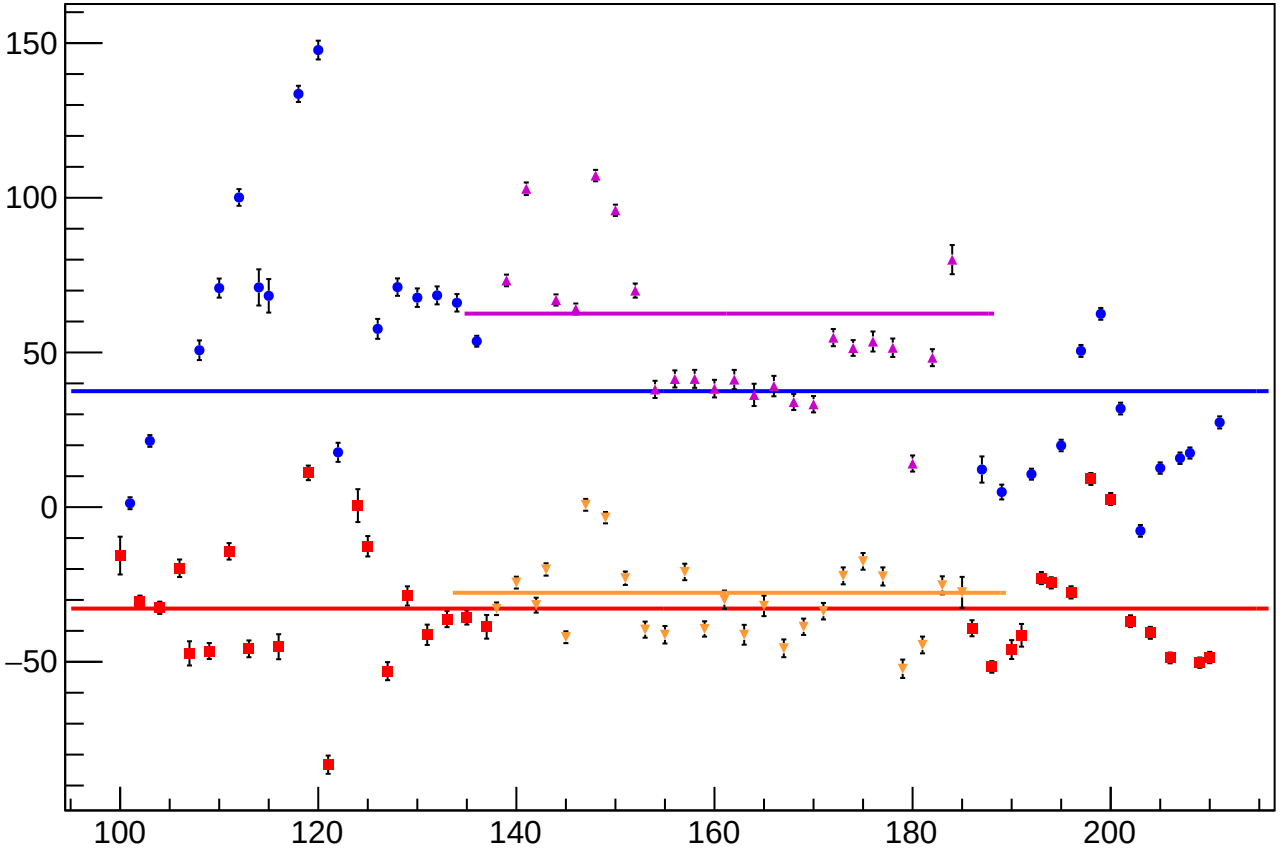
Left In: 1444.817+/-0.240 χ^2/NDF:485230.7/22

+ sign 1527.006+/-0.181 χ^2/NDF: 861651.7/52

All: 1528.658+/-0.128 χ^2/NDF: 1914931.8/10

- sign 1530.300+/-0.181 χ^2/NDF: 1053114.4/55

diff_bpm0i05X_mean vs Slug



Right In: 37.486+/-0.434 χ^2/NDF: 6250.2/27

Left Out: -27.692+/-0.496 χ^2/NDF:766.1/24

Right Out: -32.787+/-0.412 χ^2/NDF: 2214.2/32

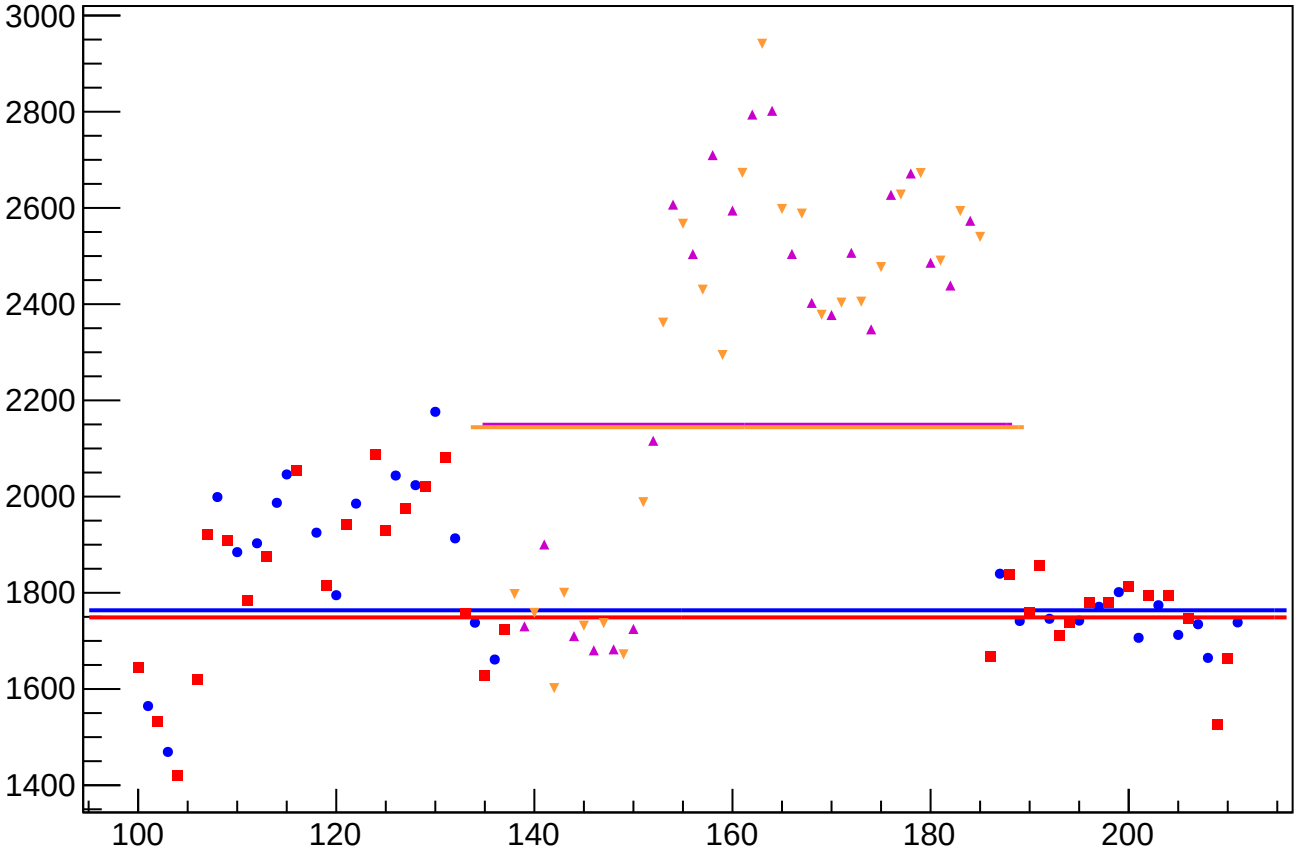
Left In: 62.558+/-0.512 χ^2/NDF:2458.2/22

+ sign 9.215+/-0.327 χ^2/NDF: 16793.3/52

All: 6.923+/-0.229 χ^2/NDF: 42622.1/108

- sign 4.712+/-0.321 χ^2/NDF: 25732.1/55

diff_bpm0i05X_rms vs Slug



Right In: 1763.647+/-0.307 χ^2/NDF: 210344.6/27

Left Out: 2144.219+/-0.351 χ^2/NDF:1279852.9/24

Right Out: 1748.893+/-0.291 χ^2/NDF: 245688.3/32

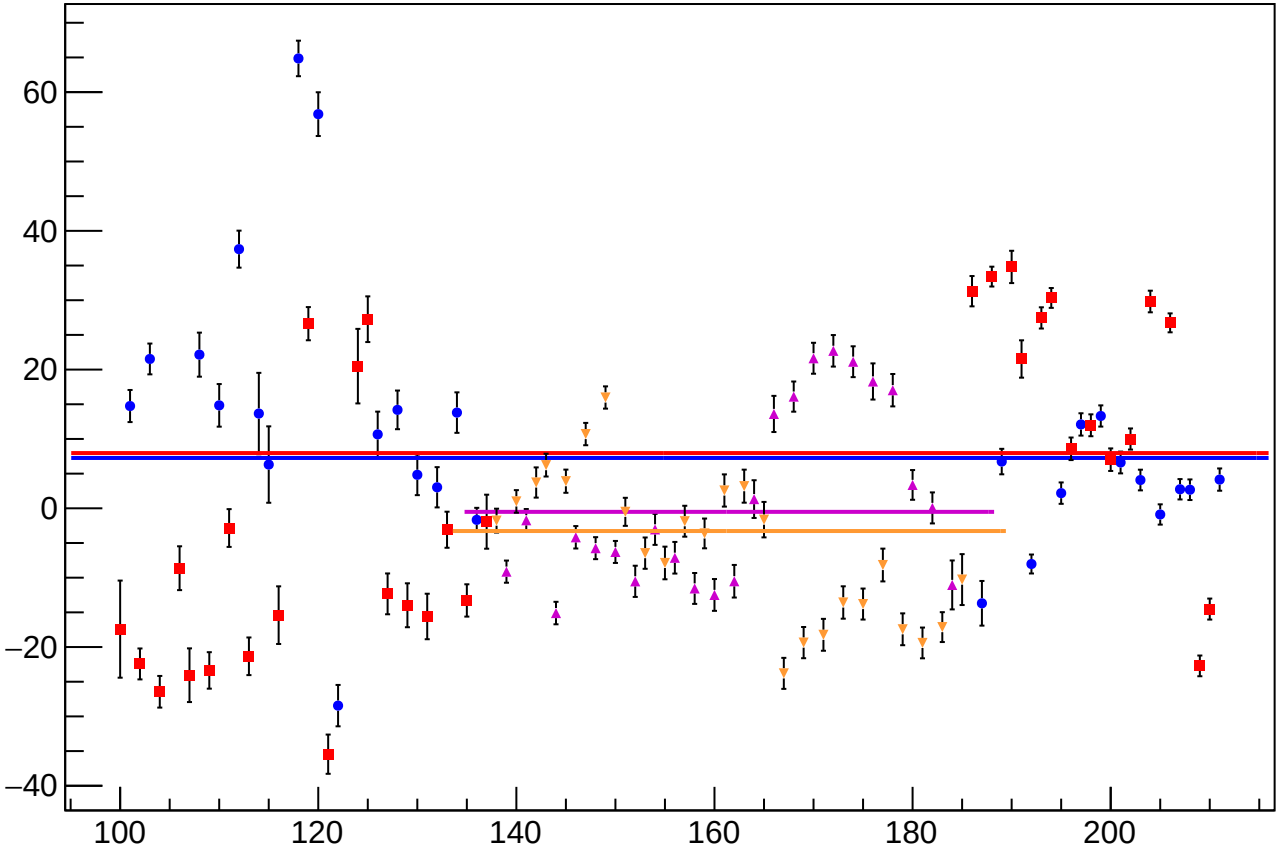
Left In: 2149.354+/-0.362 χ^2/NDF:1265722.5/22

+ sign 1928.721+/-0.231 χ^2/NDF: 2156847.4/52

All: 1917.358+/-0.162 χ^2/NDF: 4416060.8/10

- sign 1906.391+/-0.227 χ^2/NDF: 2254458.2/55

diff_bpm0i05Y_mean vs Slug



Right In: 7.259+/-0.382 χ^2/NDF: 1407.6/27

Left Out: -3.275+/-0.415 χ^2/NDF:671.1/24

Right Out: 7.964+/-0.364 χ^2/NDF: 3451.7/32

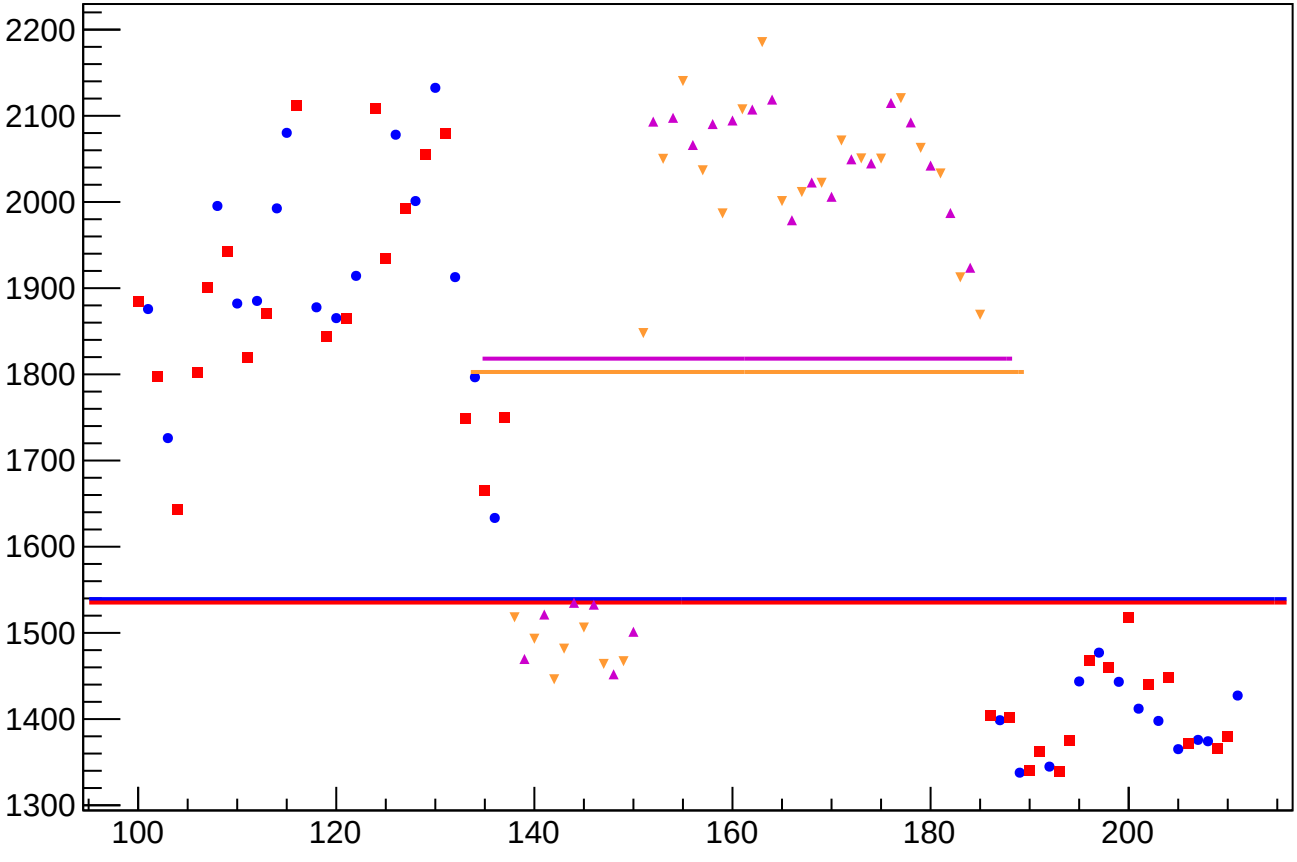
Left In: -0.511+/-0.430 χ^2/NDF:745.8/22

\+ sign 2.426+/-0.281 χ^2/NDF: 2428.0/52

All: 3.436+/-0.197 χ^2/NDF: 6877.5/108

\- sign 4.424+/-0.278 χ^2/NDF: 4423.9/55

diff_bpm0i05Y_rms vs Slug



Right In: 1539.205+/-0.270 χ^2/NDF: 726490.0/27

Left Out: 1802.748+/-0.293 χ^2/NDF:897375.1/24

Right Out: 1535.213+/-0.257 χ^2/NDF: 705825.0/32

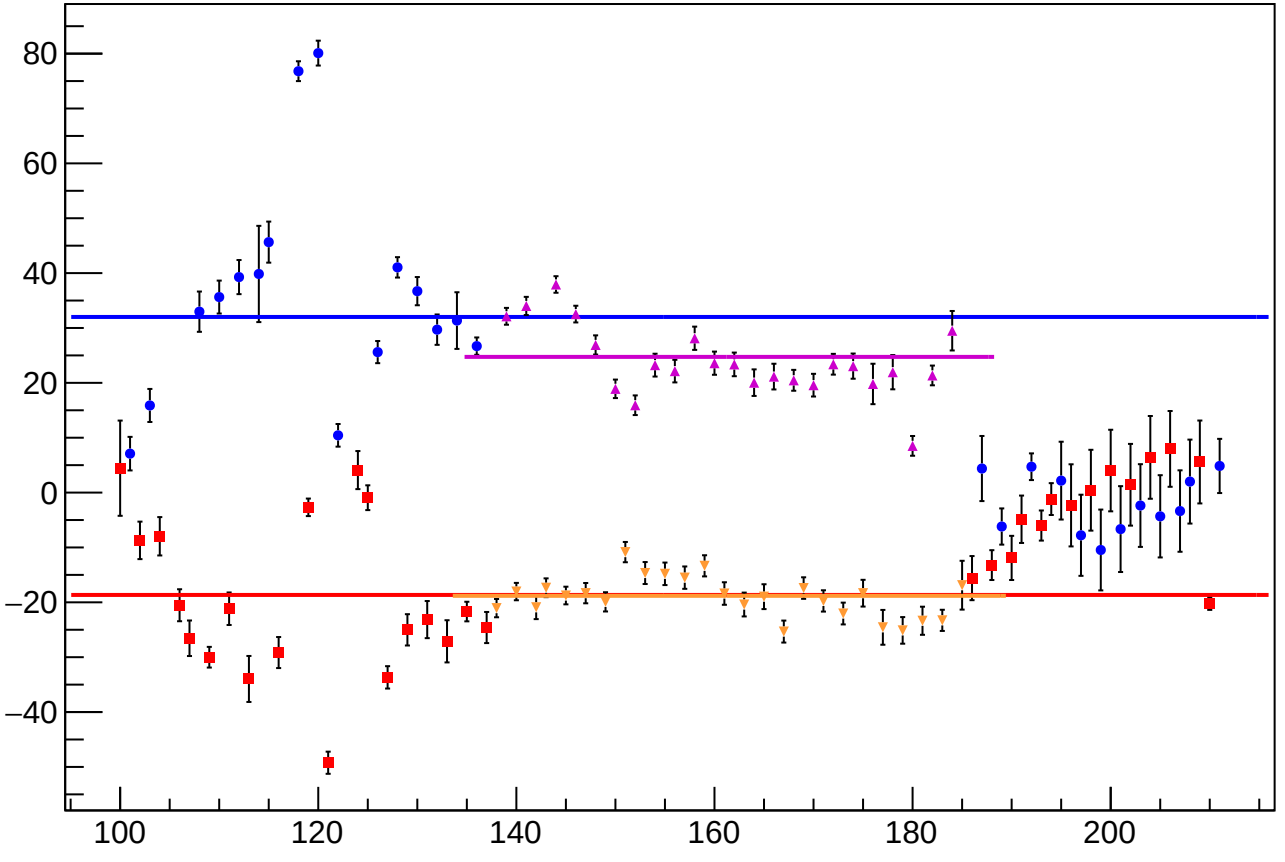
Left In: 1818.225+/-0.304 χ^2/NDF:840353.0/22

+ sign 1660.107+/-0.199 χ^2/NDF: 2061172.0/52

All: 1656.739+/-0.140 χ^2/NDF: 4112870.0/10

- sign 1653.443+/-0.196 χ^2/NDF: 2051128.8/55

diff_bpm0i07X_mean vs Slug



Right In: 32.009+/-0.572 χ^2/NDF: 1837.2/27

Left Out: -18.816+/-0.402 χ^2/NDF:74.9/24

Right Out: -18.654+/-0.484 χ^2/NDF: 743.7/32

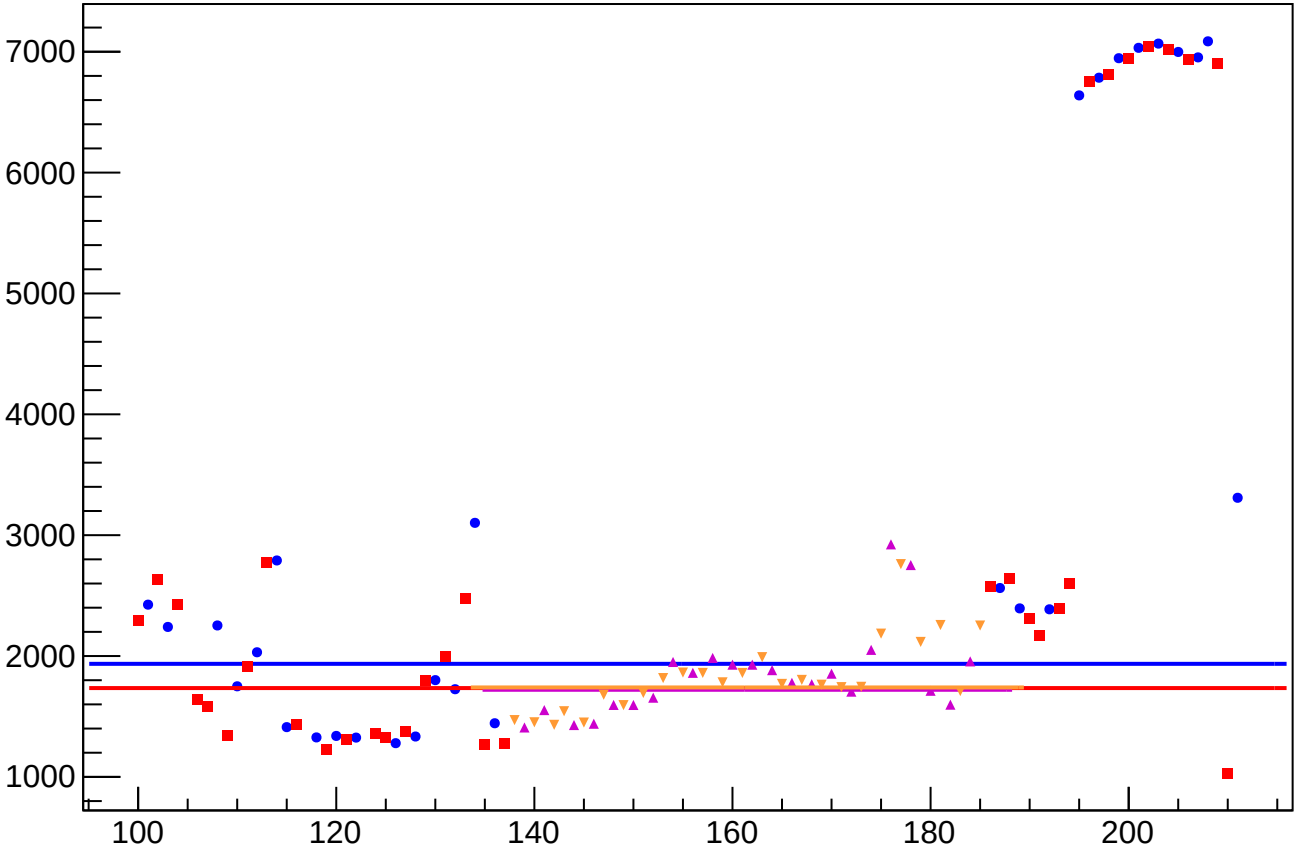
Left In: 24.731+/-0.409 χ^2/NDF:308.0/22

\+ sign -2.020+/-0.329 χ^2/NDF: 7196.5/52

All: 2.553+/-0.226 χ^2/NDF: 13303.6/108

\- sign 6.677+/-0.312 χ^2/NDF: 5739.5/55

diff_bpm0i07X_rms vs Slug



Right In: 1935.505+/-0.405 χ^2/NDF: 8889023.1/27

Left Out: 1740.089+/-0.284 χ^2/NDF:753377.5/24

Right Out: 1734.948+/-0.342 χ^2/NDF: 9480788.2/32

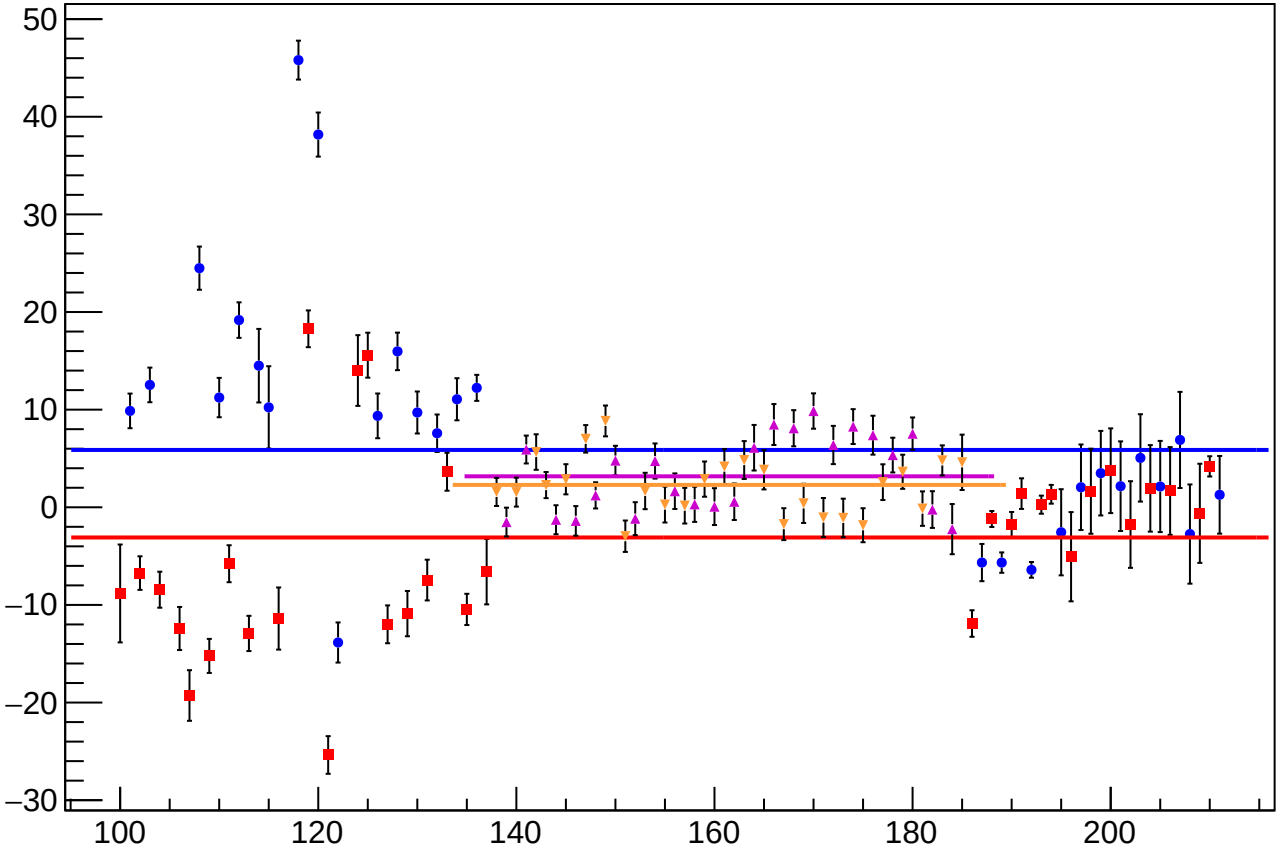
Left In: 1720.864+/-0.289 χ^2/NDF:883990.4/22

+ sign 1804.669+/-0.233 χ^2/NDF: 9798643.5/52

All: 1763.689+/-0.160 χ^2/NDF: 20223473.7/1

- sign 1726.725+/-0.221 χ^2/NDF: 10365766.5/55

diff_bpm0i07Y_mean vs Slug



Right In: 5.874+/-0.375 χ^2/NDF: 1320.7/27

Left Out: 2.293+/-0.343 χ^2/NDF:73.5/24

Right Out: -3.092+/-0.304 χ^2/NDF: 726.2/32

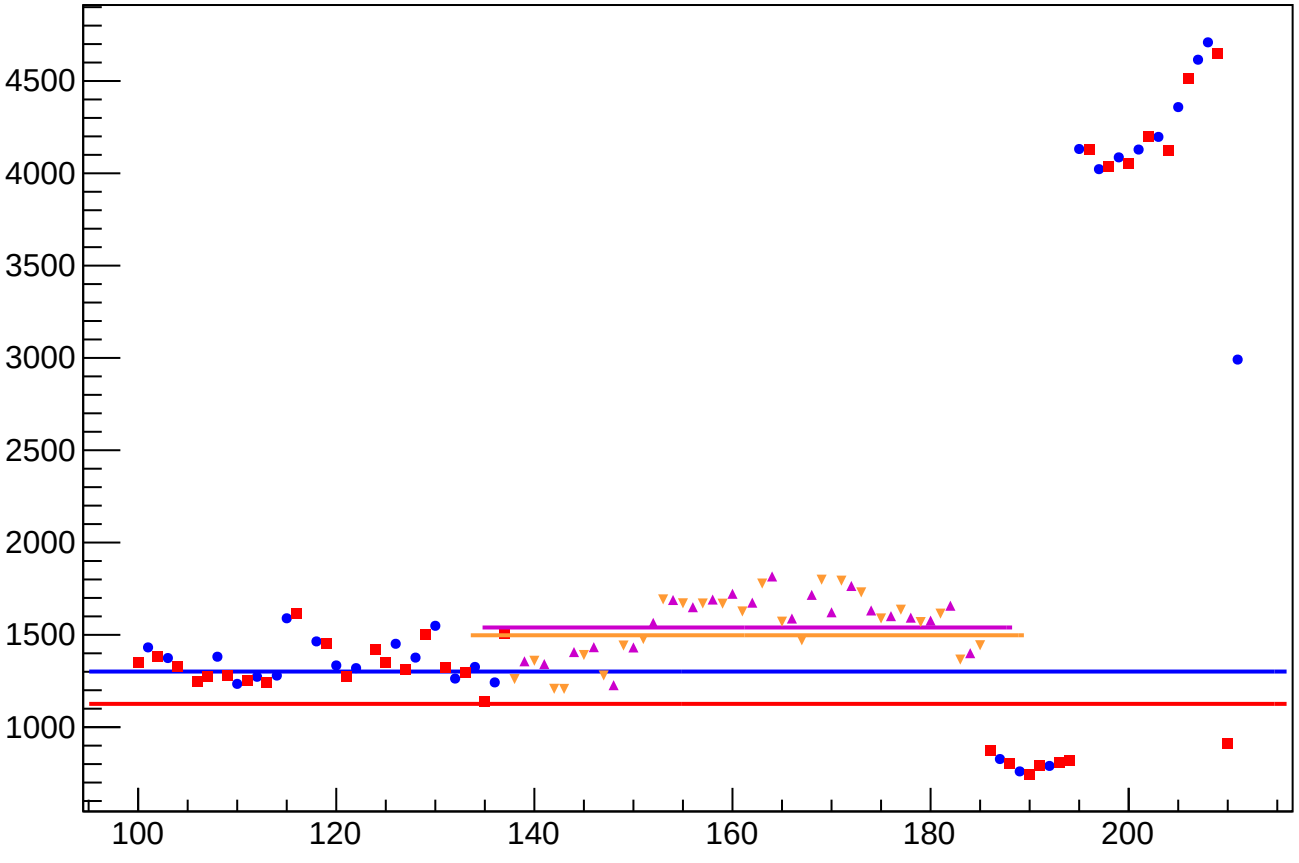
Left In: 3.173+/-0.362 χ^2/NDF:110.4/22

+ sign 3.927+/-0.253 χ^2/NDF: 1443.8/52

All: 1.523+/-0.171 χ^2/NDF: 2622.1/108

- sign -0.508+/-0.233 χ^2/NDF: 1012.2/55

diff_bpm0i07Y_rms vs Slug



Right In: 1301.248+/-0.265 χ^2/NDF: 8599963.3/27

Left Out: 1497.713+/-0.243 χ^2/NDF:568629.4/24

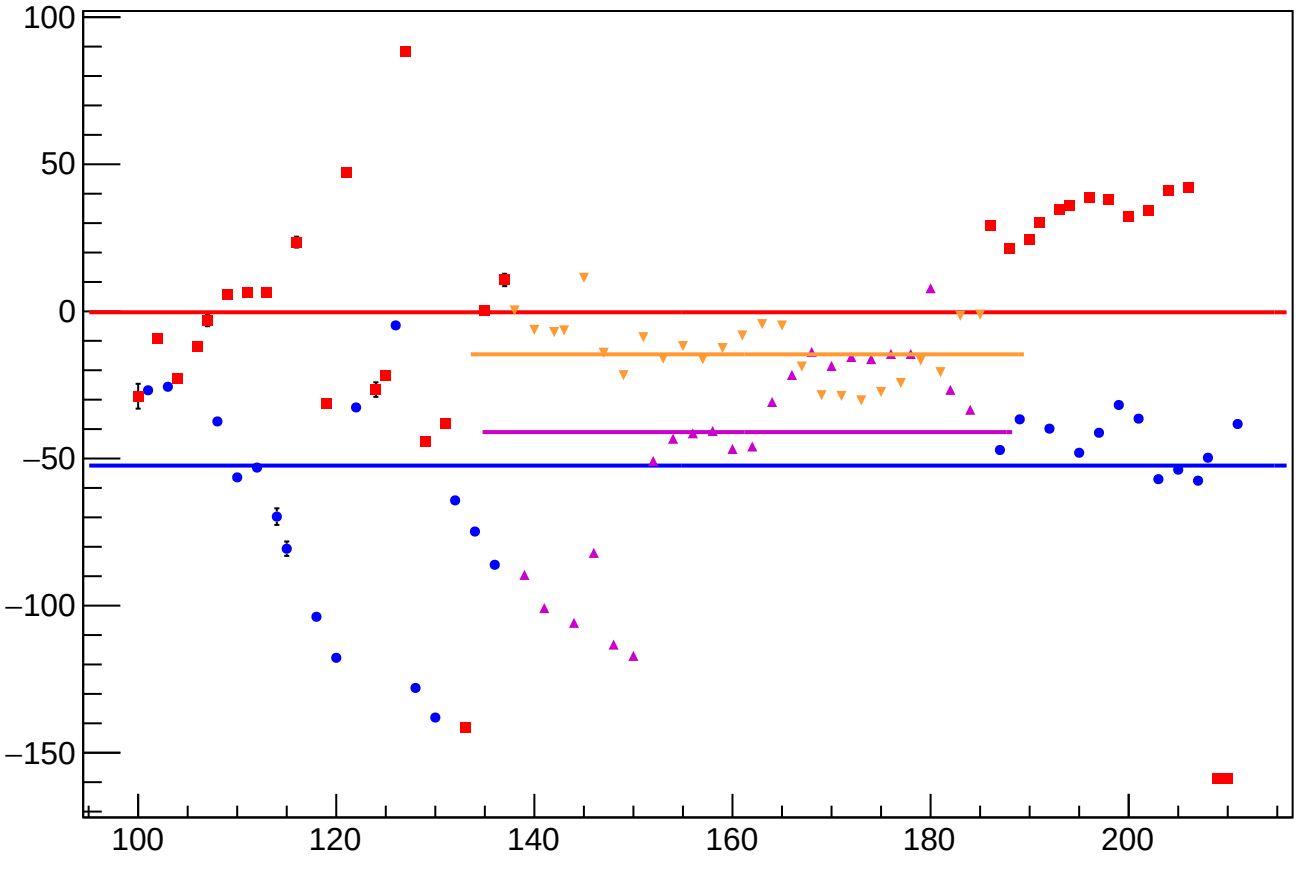
Right Out: 1126.141+/-0.215 χ^2/NDF: 8205670.7/32

Left In: 1539.884+/-0.256 χ^2/NDF:380330.7/22

+ sign 1408.068+/-0.179 χ^2/NDF: 9467170.7/52

All: 1347.756+/-0.121 χ^2/NDF: 19793630.7/1

- sign 1296.807+/-0.165 χ^2/NDF: 10117229.5/55



Right In: -52.402+/-0.179 χ^2/NDF: 18249.2/27

Left Out: -14.597+/-0.183 χ^2/NDF:3159.3/24

Right Out: -0.299+/-0.170 χ^2/NDF: 154958.8/32

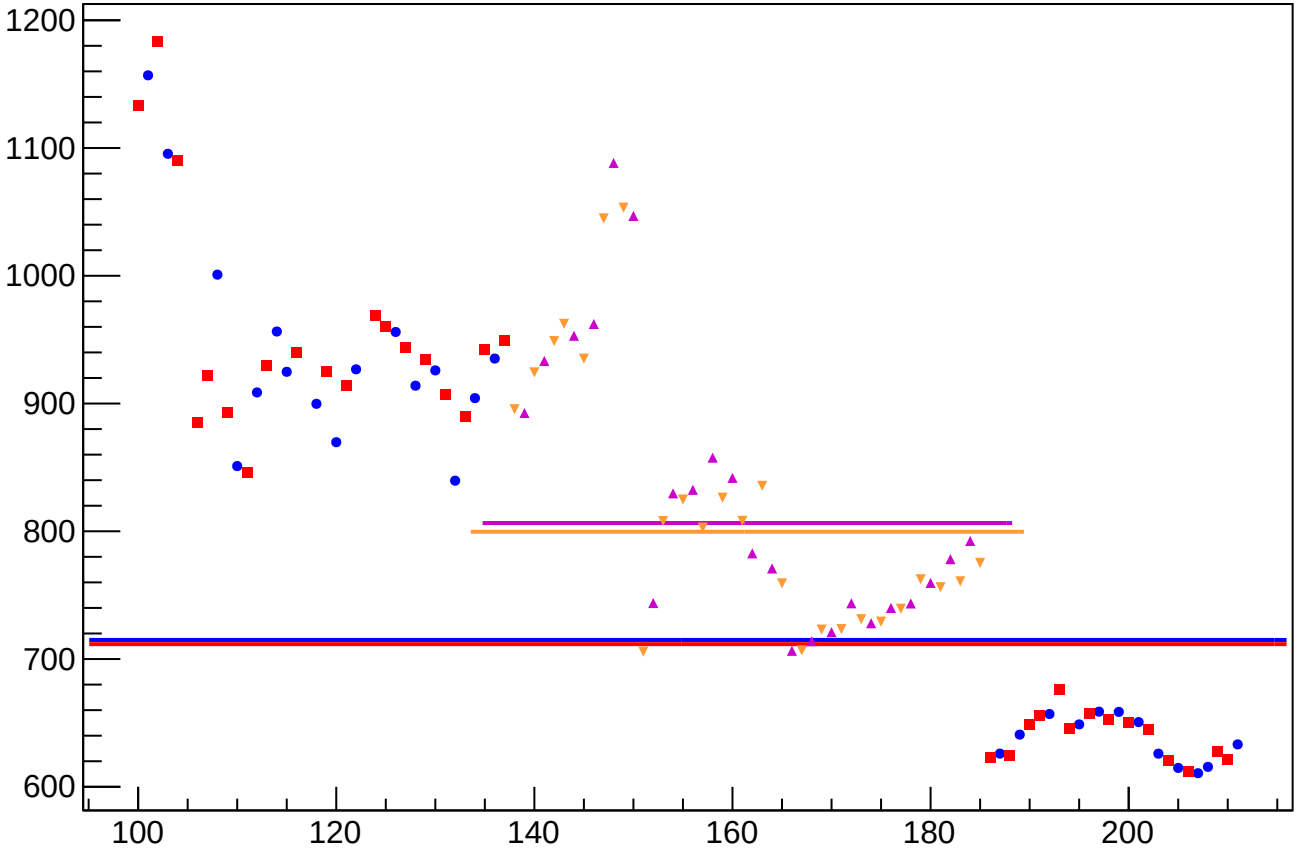
Left In: -41.021+/-0.190 χ^2/NDF:31066.6/22

+ sign -33.959+/-0.128 χ^2/NDF: 43277.7/52

All: -26.125+/-0.090 χ^2/NDF: 262293.5/108

- sign -18.431+/-0.127 χ^2/NDF: 211566.7/55

diff_bpm1i02X_rms vs Slug



Right In: 714.954+/-0.126 χ^2/NDF: 1213658.3/27

Left Out: 799.639+/-0.129 χ^2/NDF:497430.7/24

Right Out: 711.646+/-0.120 χ^2/NDF: 1292869.2/32

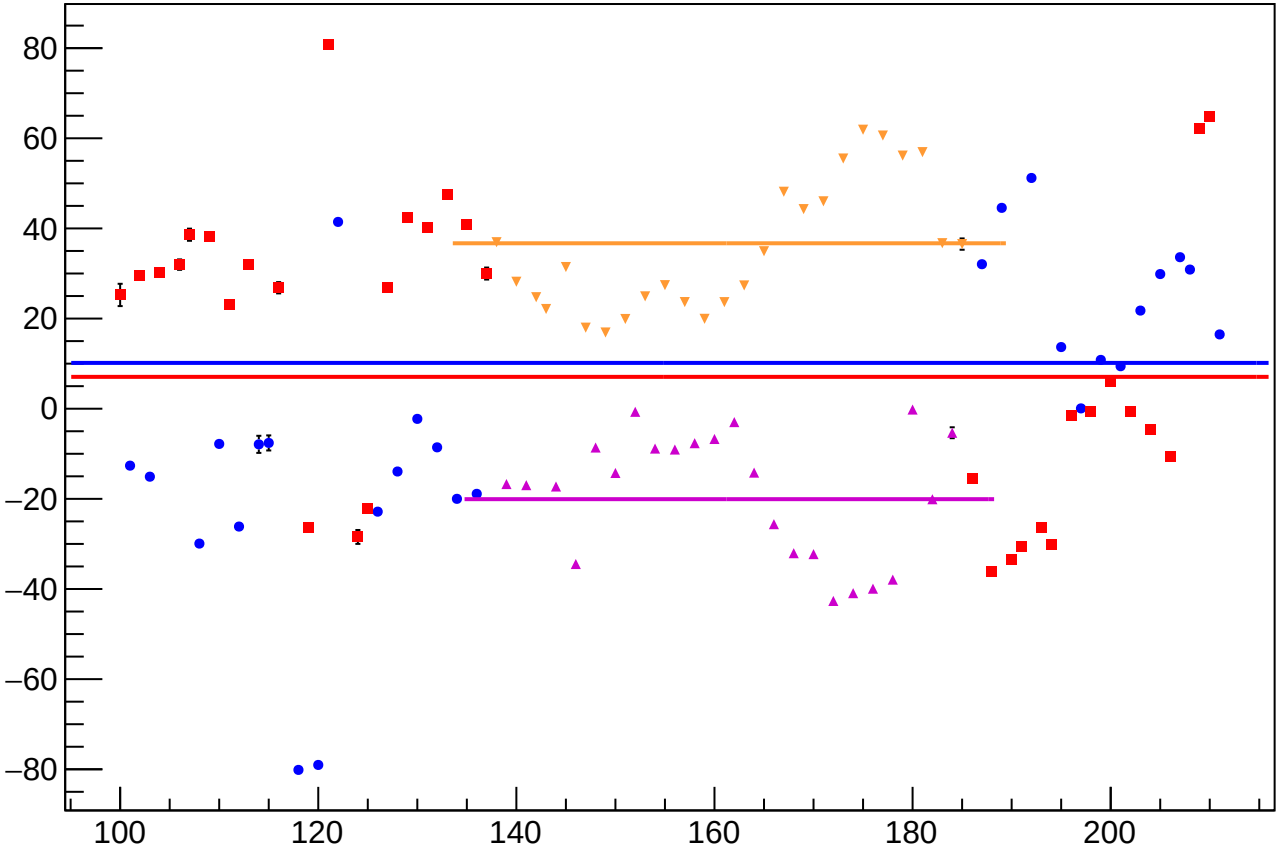
Left In: 806.478+/-0.134 χ^2/NDF:511294.8/22

+ sign 756.269+/-0.090 χ^2/NDF: 1930570.6/52

All: 755.060+/-0.064 χ^2/NDF: 4012115.9/108

- sign 753.872+/-0.090 χ^2/NDF: 2081190.4/55

diff_bpm1i02Y_mean vs Slug



Right In: 10.164+/-0.132 χ^2/NDF: 45639.2/27

Left Out: 36.705+/-0.145 χ^2/NDF:10231.1/24

Right Out: 7.067+/-0.125 χ^2/NDF: 67878.5/32

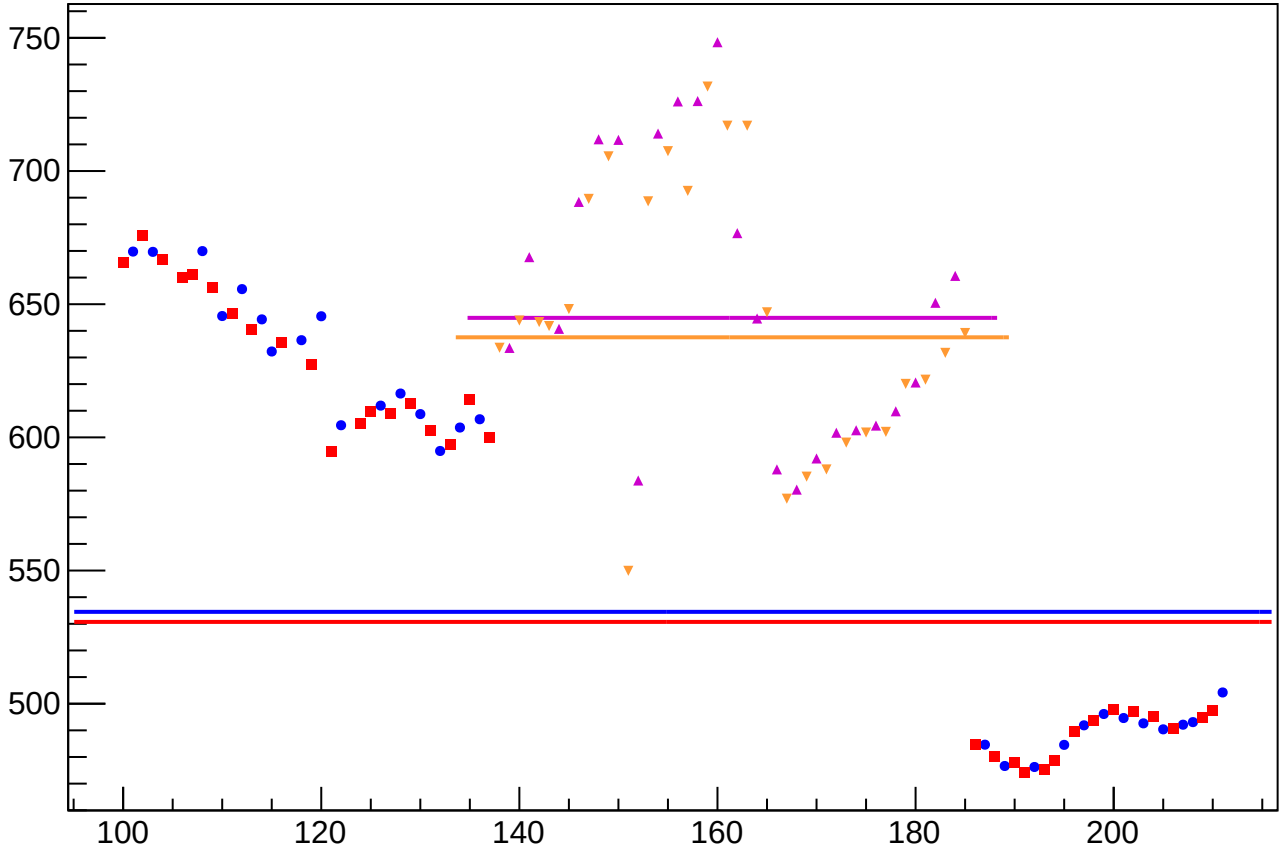
Left In: -20.069+/-0.151 χ^2/NDF:8560.6/22

+ sign 22.156+/-0.098 χ^2/NDF: 74127.9/52

All: 8.920+/-0.069 χ^2/NDF: 205860.9/108

- sign -3.995+/-0.097 χ^2/NDF: 95510.1/55

diff_bpm1i02Y_rms vs Slug



Right In: 534.494+/-0.093 χ^2/NDF: 514853.1/27

Left Out: 637.569+/-0.103 χ^2/NDF:236539.6/24

Right Out: 530.717+/-0.089 χ^2/NDF: 558502.6/32

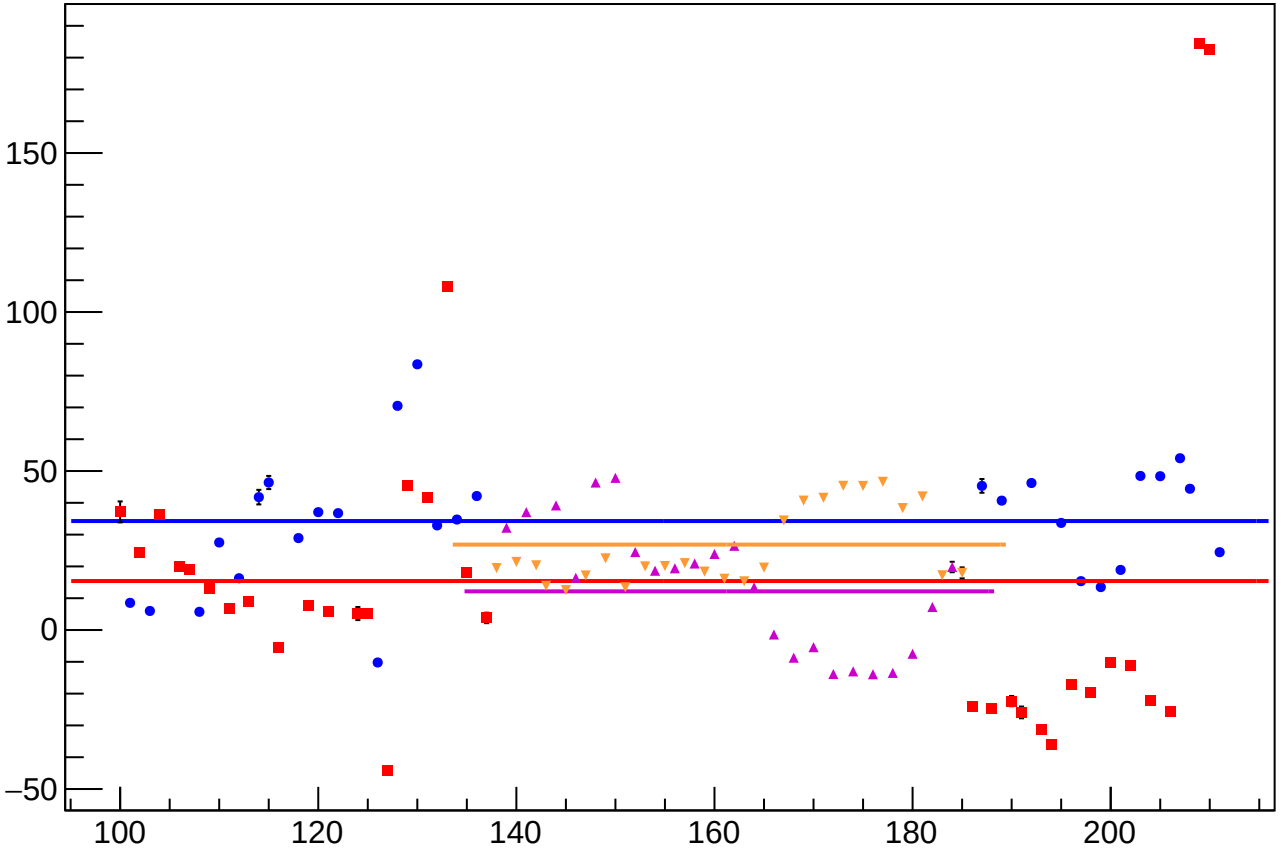
Left In: 644.873+/-0.107 χ^2/NDF:229560.3/22

+ sign 581.065+/-0.069 χ^2/NDF: 1302169.6/52

All: 579.137+/-0.049 χ^2/NDF: 2766729.2/108

- sign 577.255+/-0.068 χ^2/NDF: 1463021.9/55

diff_bpm1i04X_mean vs Slug



Right In: 34.269+/-0.210 χ^2/NDF: 8888.8/27

Left Out: 26.866+/-0.207 χ^2/NDF:3390.4/24

Right Out: 15.406+/-0.203 χ^2/NDF: 81875.9/32

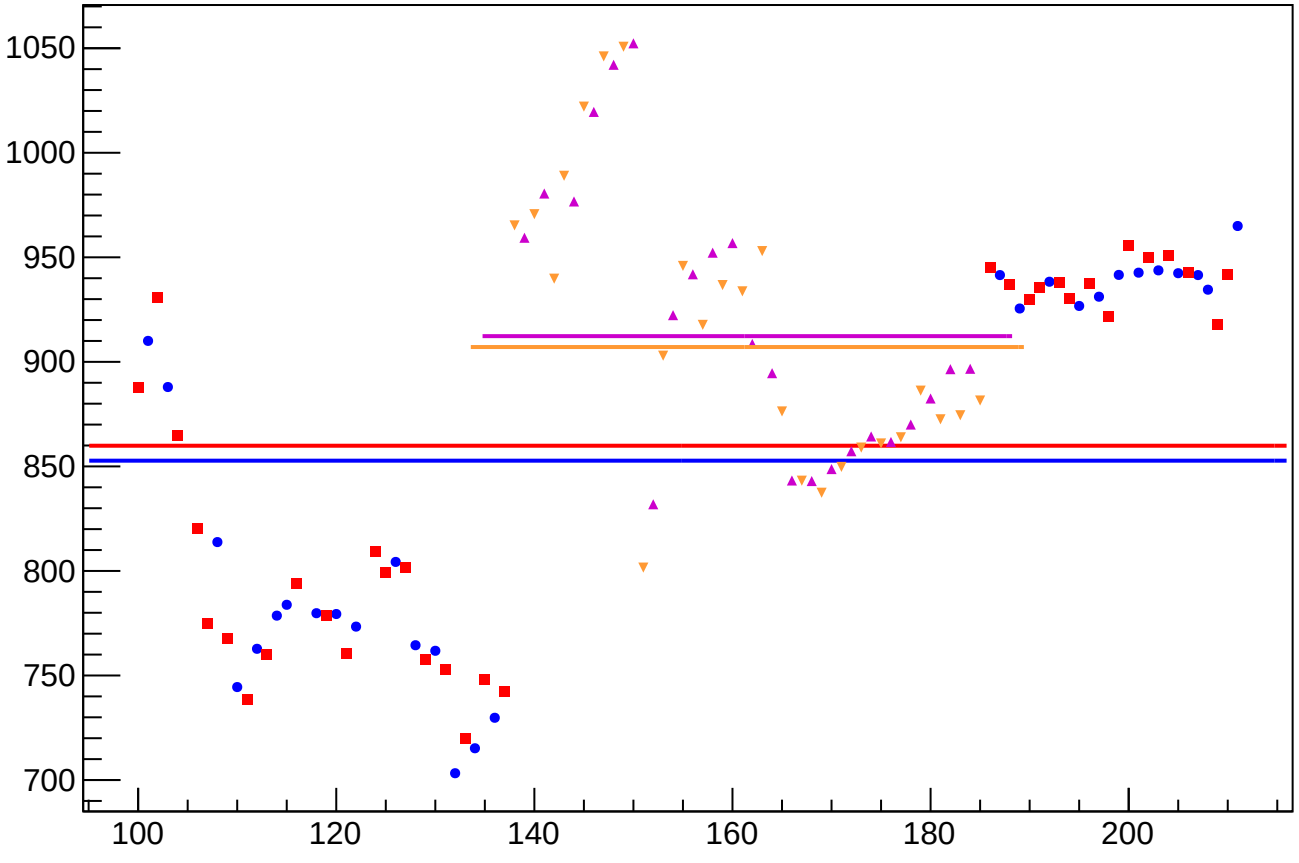
Left In: 12.159+/-0.214 χ^2/NDF:8547.0/22

+ sign 30.504+/-0.147 χ^2/NDF: 12909.7/52

All: 22.169+/-0.104 χ^2/NDF: 109837.9/108

- sign 13.868+/-0.147 χ^2/NDF: 90544.4/55

diff_bpm1i04X_rms vs Slug



Right In: 852.741+/-0.149 χ^2/NDF: 379214.7/27

Left Out: 907.089+/-0.146 χ^2/NDF:194606.8/24

Right Out: 859.890+/-0.143 χ^2/NDF: 363073.0/32

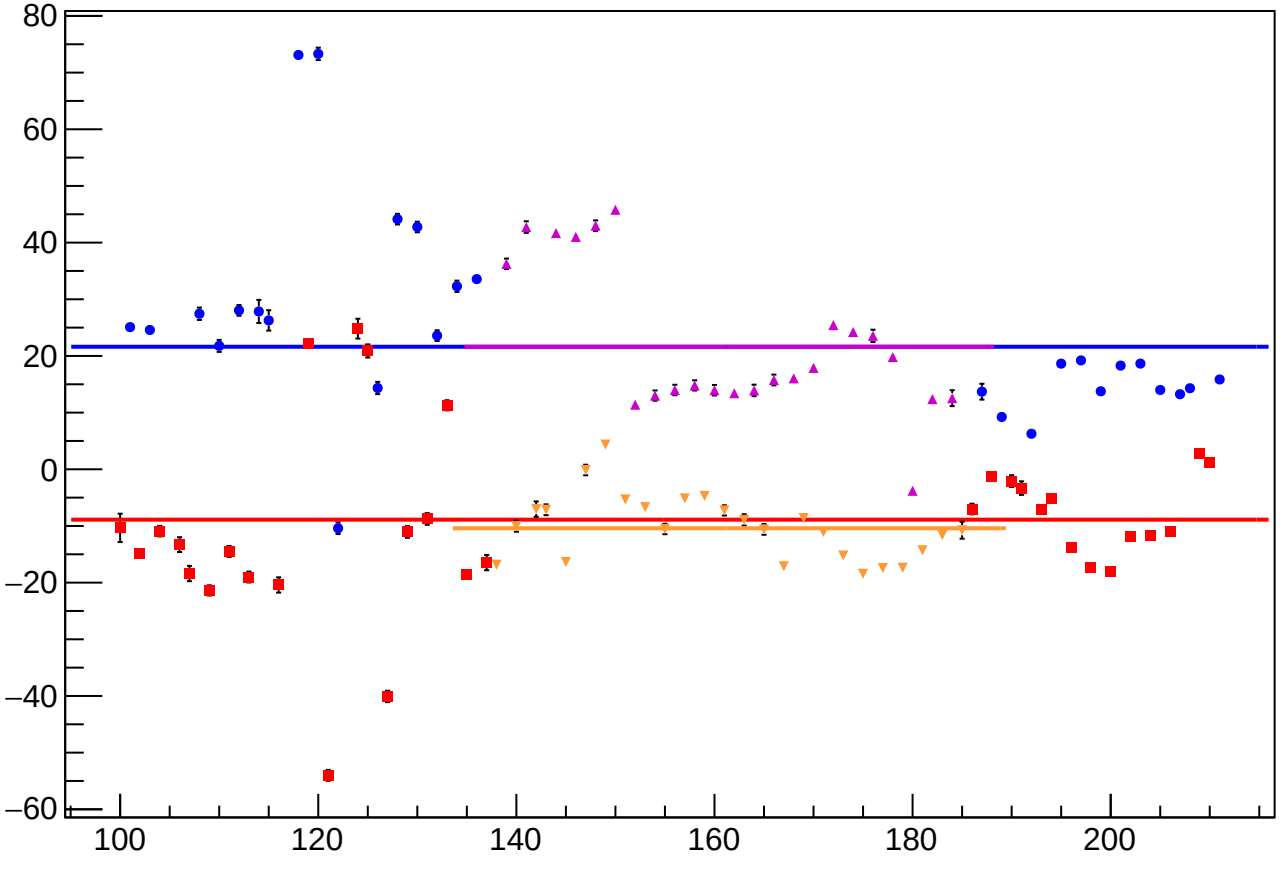
Left In: 912.301+/-0.151 χ^2/NDF:174715.2/22

+ sign 880.380+/-0.104 χ^2/NDF: 641788.7/52

All: 882.555+/-0.074 χ^2/NDF: 1243758.8/108

- sign 884.721+/-0.104 χ^2/NDF: 601100.9/55

diff_bpm1i04Y_mean vs Slug



Right In: 21.623+/-0.150 χ^2/NDF: 10082.2/27

Left Out: -10.406+/-0.176 χ^2/NDF:1041.8/24

Right Out: -8.890+/-0.143 χ^2/NDF: 8326.0/32

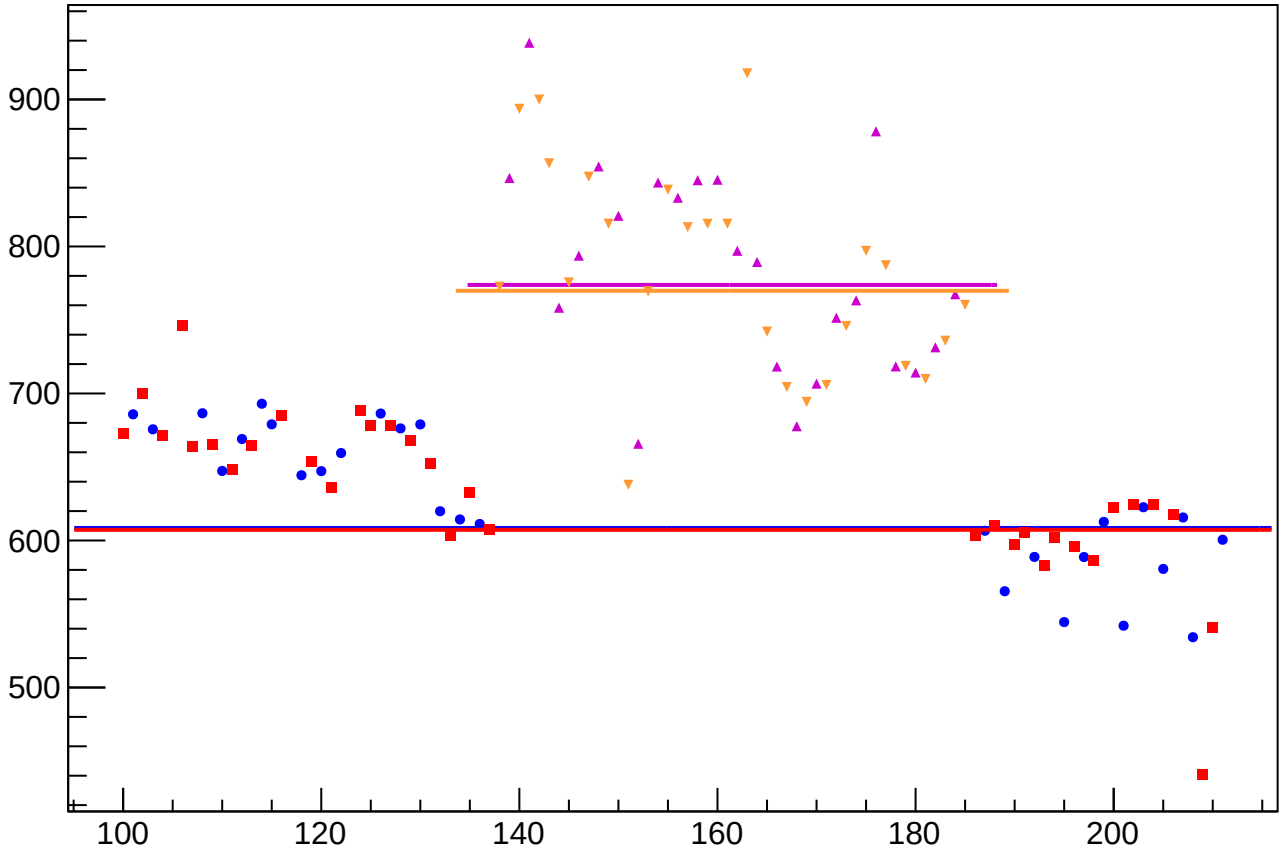
Left In: 21.621+/-0.182 χ^2/NDF:5241.8/22

+ sign 8.134+/-0.114 χ^2/NDF: 30294.6/52

All: 5.435+/-0.080 χ^2/NDF: 62303.7/108

- sign 2.809+/-0.113 χ^2/NDF: 30907.6/55

diff_bpm1i04Y_rms vs Slug



Right In: 608.504+/-0.106 χ^2/NDF: 194717.4/27

Left Out: 769.850+/-0.124 χ^2/NDF:304526.6/24

Right Out: 607.277+/-0.101 χ^2/NDF: 400385.9/32

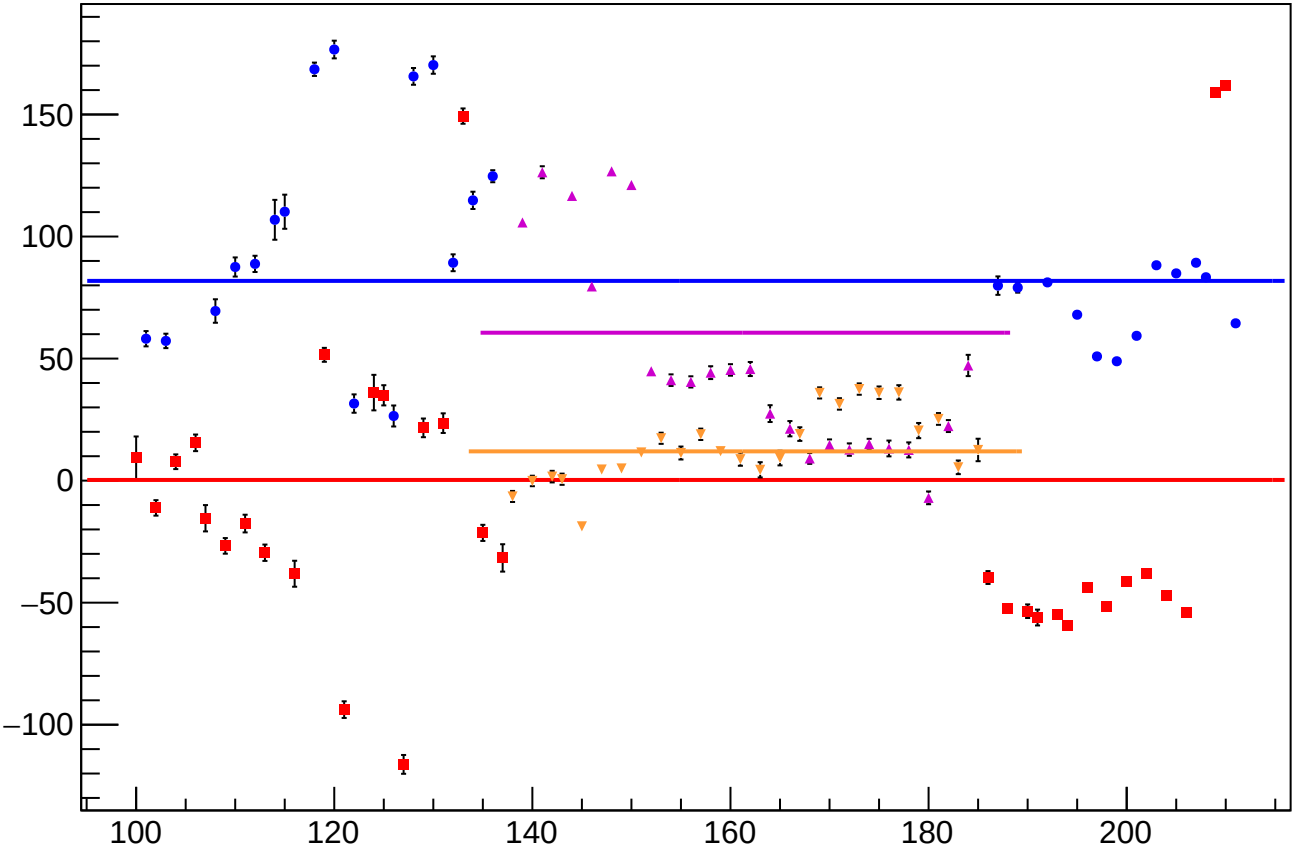
Left In: 773.845+/-0.129 χ^2/NDF:282843.1/22

+ sign 676.456+/-0.081 χ^2/NDF: 1472161.0/52

All: 673.764+/-0.057 χ^2/NDF: 3191184.1/108

- sign 671.145+/-0.080 χ^2/NDF: 1716831.1/55

diff_bpm1i06X_mean vs Slug



Right In: 81.830+/-0.454 χ^2/NDF: 4786.3/27

Left Out: 11.989+/-0.472 χ^2/NDF:947.1/24

Right Out: 0.276+/-0.427 χ^2/NDF: 37812.7/32

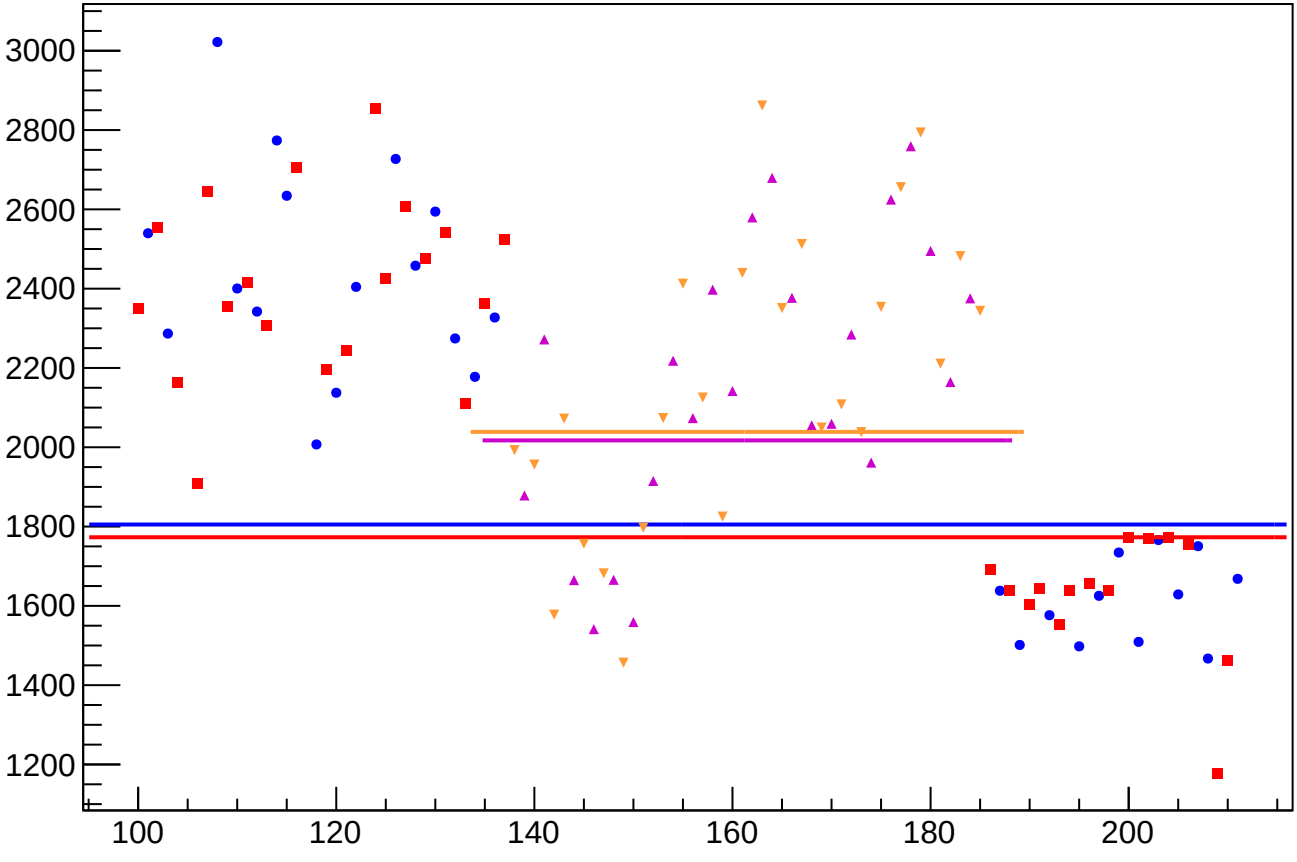
Left In: 60.598+/-0.481 χ^2/NDF:8638.1/22

+ sign 48.233+/-0.327 χ^2/NDF: 17117.8/52

All: 37.283+/-0.228 χ^2/NDF: 74559.2/108

- sign 26.852+/-0.319 χ^2/NDF: 55252.6/55

diff_bpm1i06X_rms vs Slug



Right In: 1805.188+/-0.321 χ^2/NDF: 1296817.1/27

Left Out: 2038.784+/-0.333 χ^2/NDF:1123518.3/24

Right Out: 1773.021+/-0.302 χ^2/NDF: 1580690.1/32

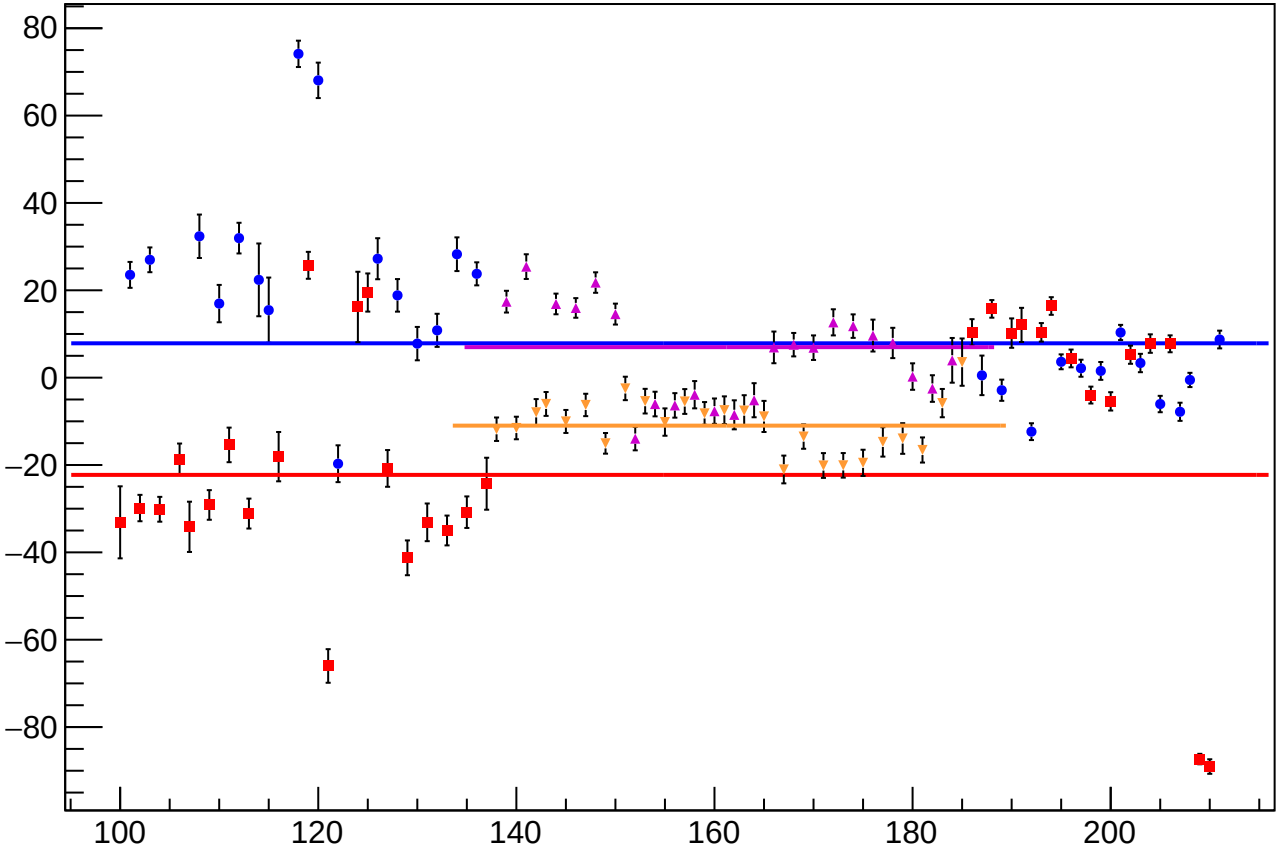
Left In: 2017.328+/-0.340 χ^2/NDF:1050043.3/22

+ sign 1917.559+/-0.231 χ^2/NDF: 2675043.4/52

All: 1898.659+/-0.162 χ^2/NDF: 5607572.6/10

- sign 1880.655+/-0.226 χ^2/NDF: 2919487.3/55

diff_bpm1i06Y_mean vs Slug



Right In: 7.863+/-0.490 χ^2/NDF: 1291.2/27

Left Out: -10.985+/-0.586 χ^2/NDF:87.6/24

Right Out: -22.263+/-0.460 χ^2/NDF: 7328.9/32

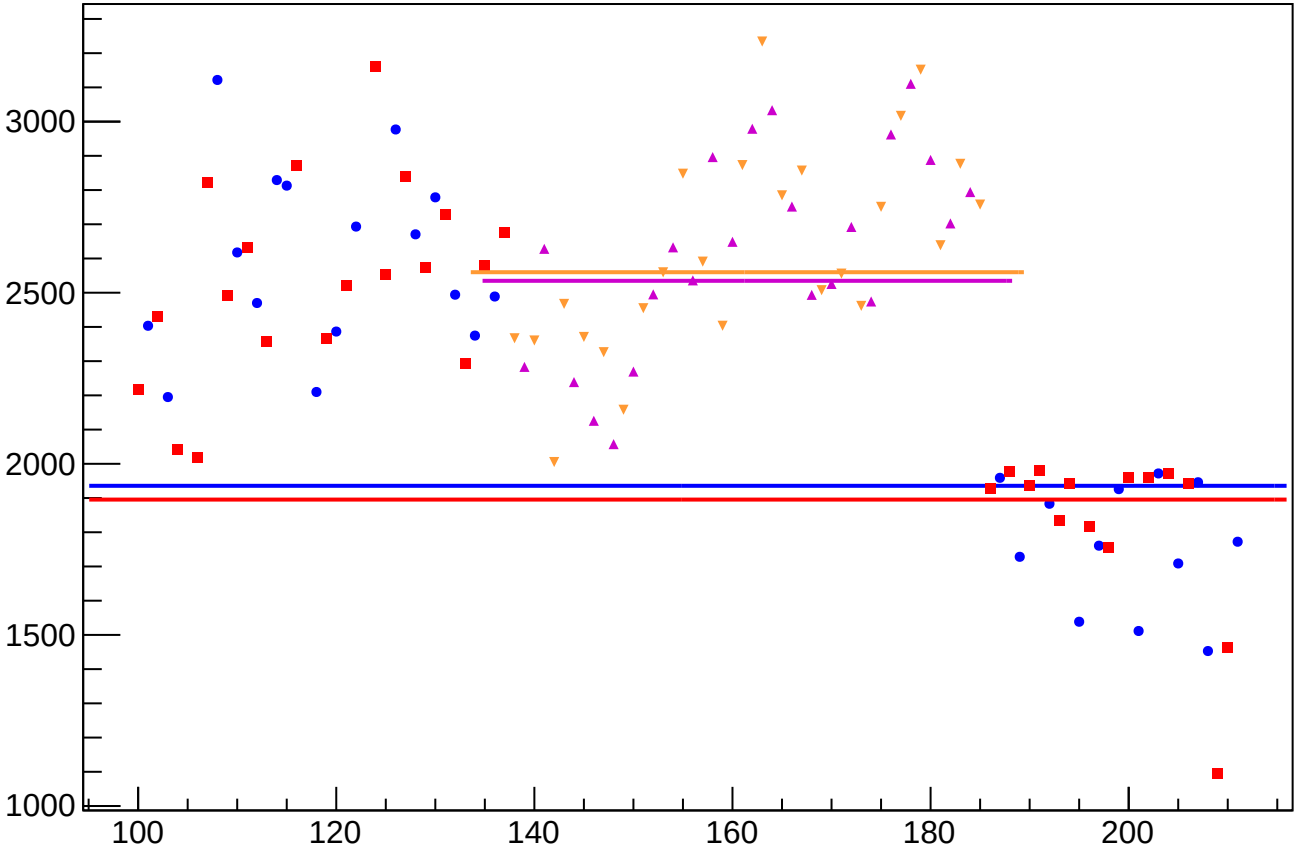
Left In: 6.985+/-0.598 χ^2/NDF:339.5/22

+ sign 0.107+/-0.376 χ^2/NDF: 1987.8/52

All: -5.818+/-0.262 χ^2/NDF: 11640.0/108

- sign -11.399+/-0.365 χ^2/NDF: 9169.6/55

diff_bpm1i06Y_rms vs Slug



Right In: 1935.718+/-0.346 χ^2/NDF: 1342085.5/27

Left Out: 2559.931+/-0.414 χ^2/NDF:450188.5/24

Right Out: 1895.481+/-0.325 χ^2/NDF: 1972856.0/32

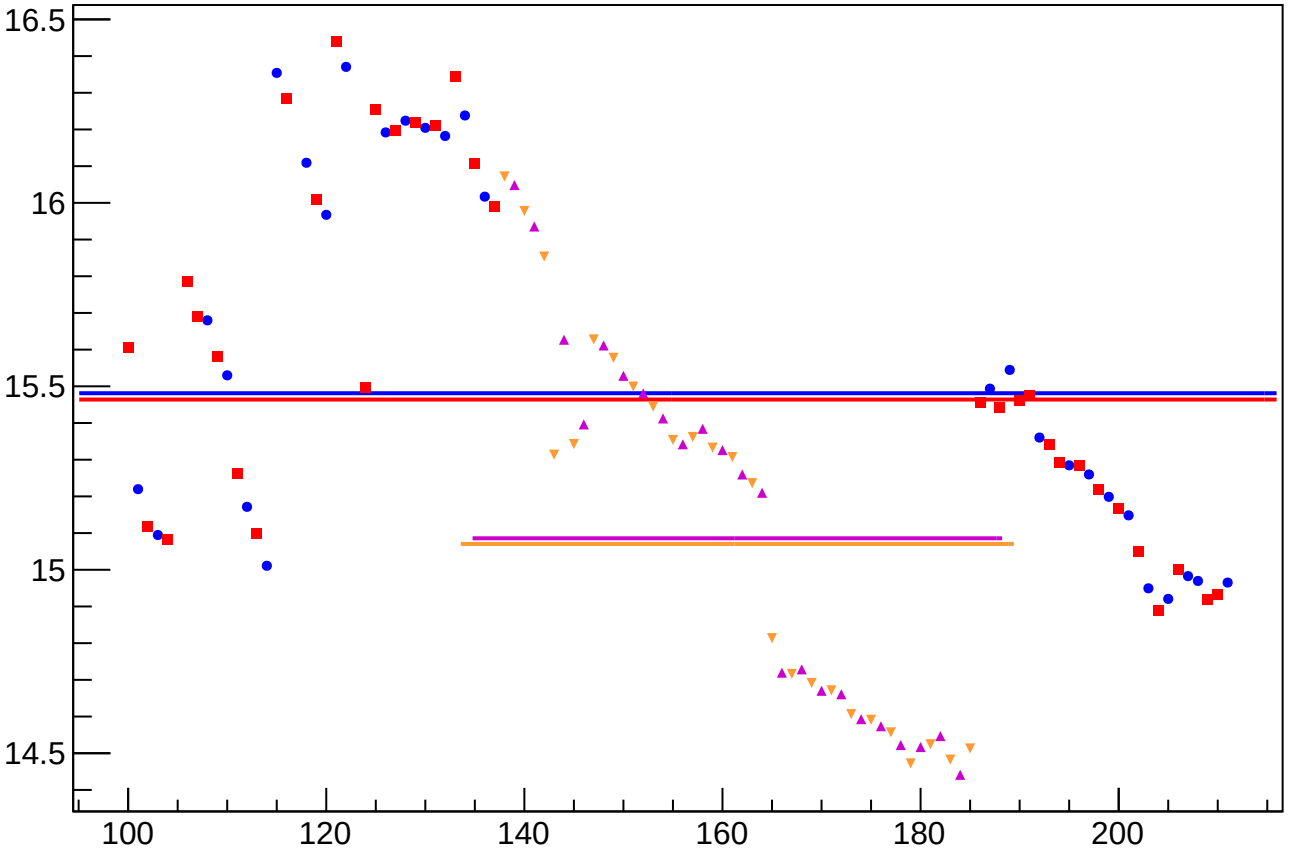
Left In: 2534.780+/-0.423 χ^2/NDF:463621.9/22

+ sign 2192.573+/-0.266 χ^2/NDF: 3128311.4/52

All: 2161.874+/-0.185 χ^2/NDF: 7025177.8/10

- sign 2132.959+/-0.258 χ^2/NDF: 3870953.9/55

yield_sam1_mean vs Slug



Right In: 15.481+/-0.000 χ^2/NDF: 23011950468.5/27

Left Out: 15.070+/-0.000 χ^2/NDF:43718295237.2/24

Right Out: 15.464+/-0.000 χ^2/NDF: 21296737677.7/32

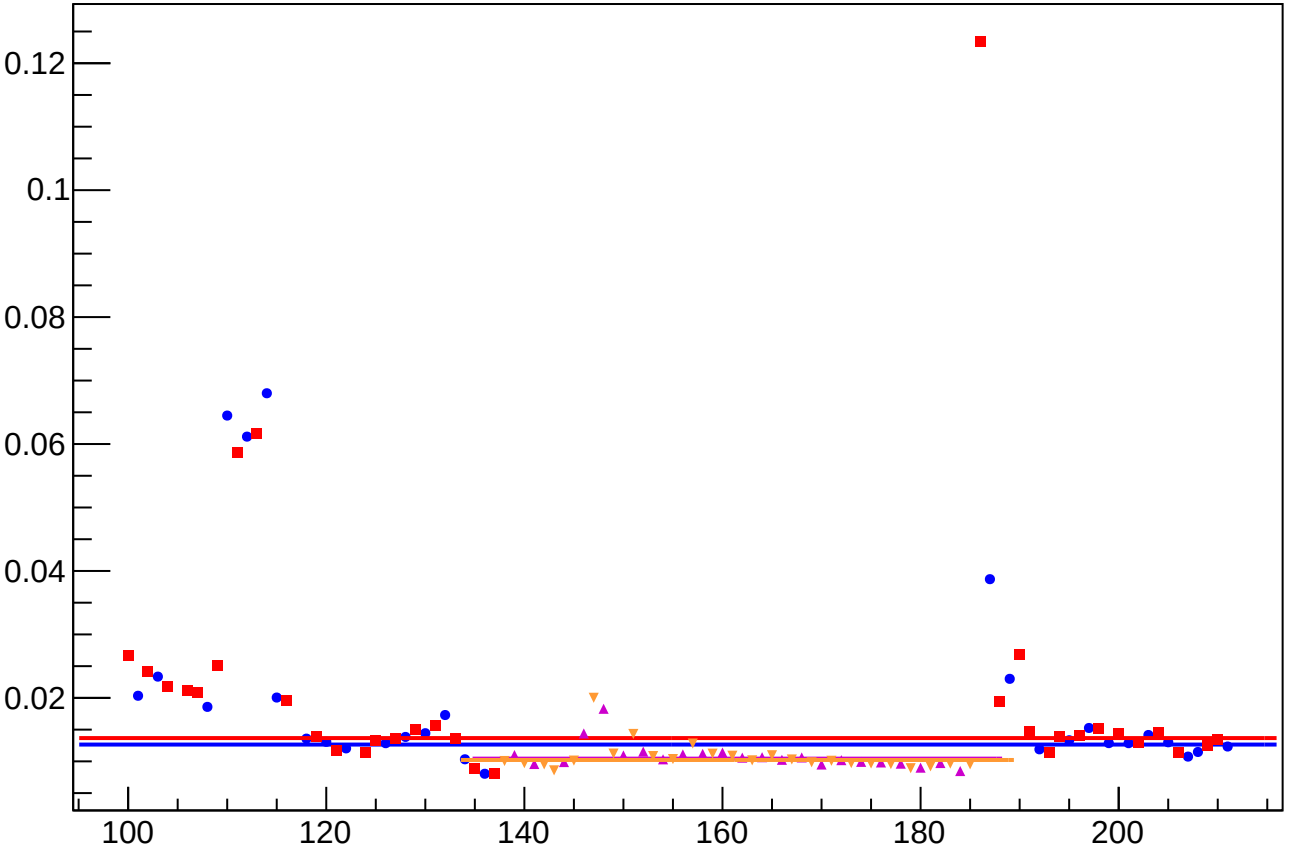
Left In: 15.086+/-0.000 χ^2/NDF:39504896066.7/22

+ sign 15.210+/-0.000 χ^2/NDF: 76694455754.4/52

All: 15.213+/-0.000 χ^2/NDF: 145266270232.

- sign 15.216+/-0.000 χ^2/NDF: 68567634221.0/55

yield_sam1_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF: 2836627.9/27

Left Out: 0.010+/-0.000 χ^2/NDF:760322.0/24

Right Out: 0.014+/-0.000 χ^2/NDF: 3355393.1/32

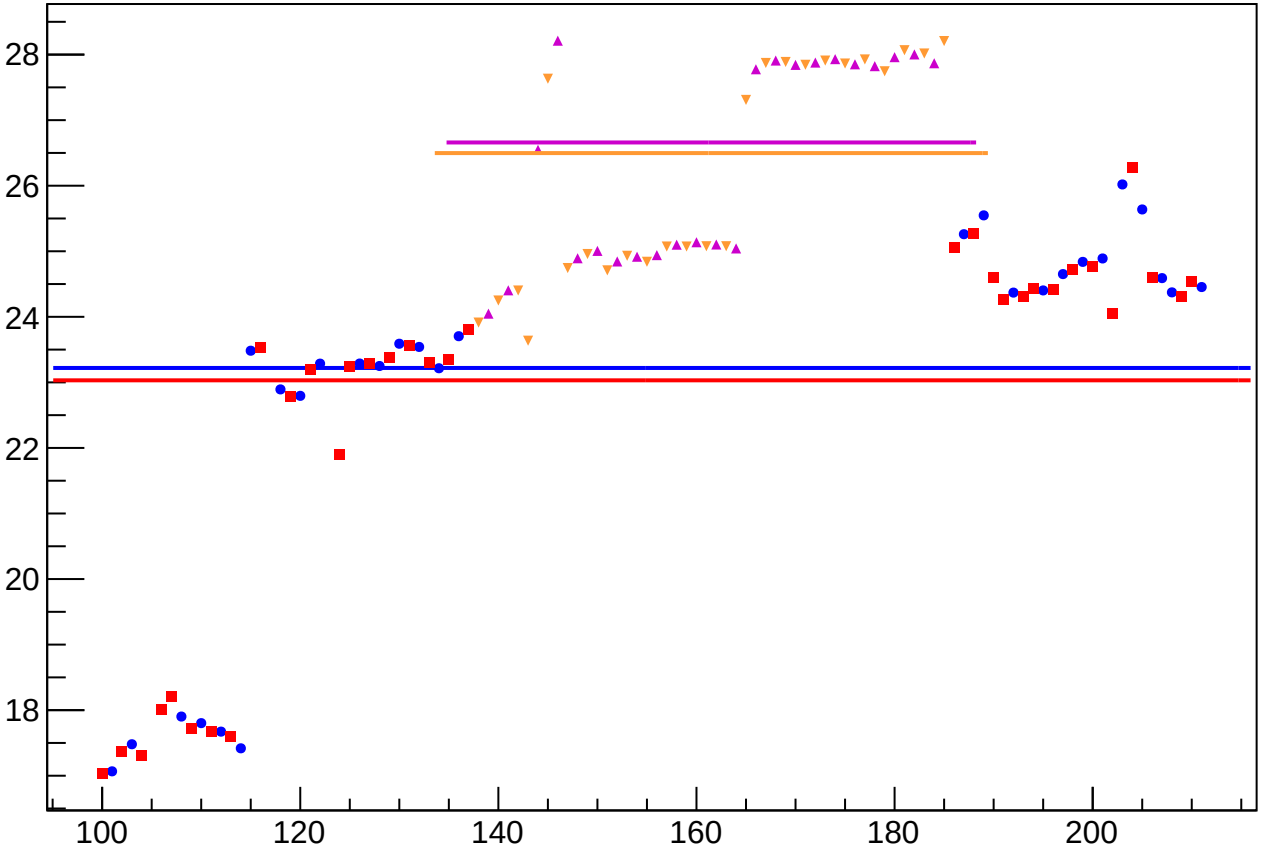
Left In: 0.010+/-0.000 χ^2/NDF:597752.6/22

+ sign 0.011+/-0.000 χ^2/NDF: 4293970.8/52

All: 0.011+/-0.000 χ^2/NDF: 9449522.0/108

- sign 0.012+/-0.000 χ^2/NDF: 5092834.3/55

yield_sam2_mean vs Slug



Right In: 23.220+/-0.000 χ^2/NDF: 1612892082.4/27

Left Out: 26.498+/-0.000 χ^2/NDF:3909357236.5/24

Right Out: 23.031+/-0.000 χ^2/NDF: 1700764873.7/32

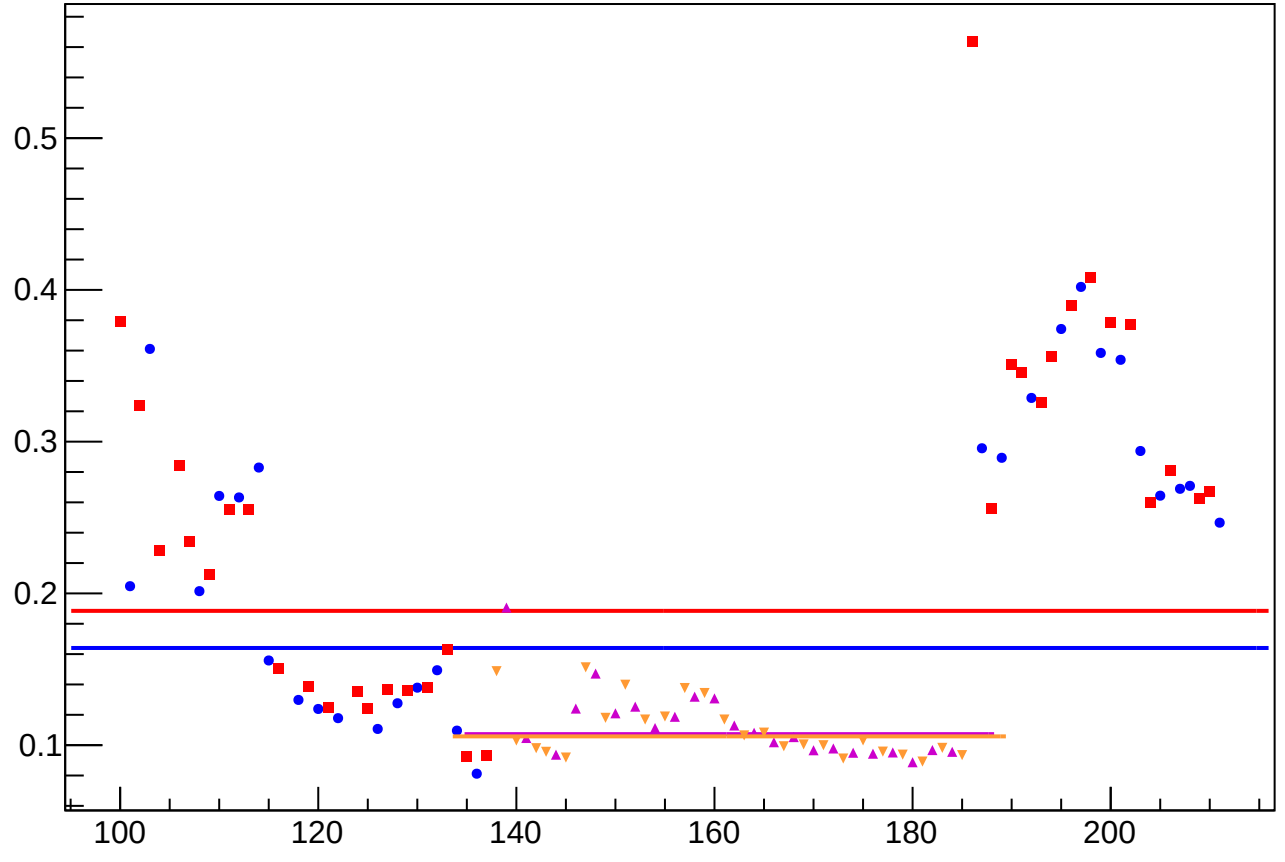
Left In: 26.660+/-0.000 χ^2/NDF:2886823196.4/22

+ sign 25.744+/-0.000 χ^2/NDF: 9184574702.3/52

All: 25.800+/-0.000 χ^2/NDF: 17726405372.1

- sign 25.861+/-0.000 χ^2/NDF: 8529378707.9/55

yield_sam2_rms vs Slug



Right In: 0.164+/-0.000 χ^2/NDF: 6903396.0/27

Left Out: 0.106+/-0.000 χ^2/NDF:756185.0/24

Right Out: 0.188+/-0.000 χ^2/NDF: 6497736.1/32

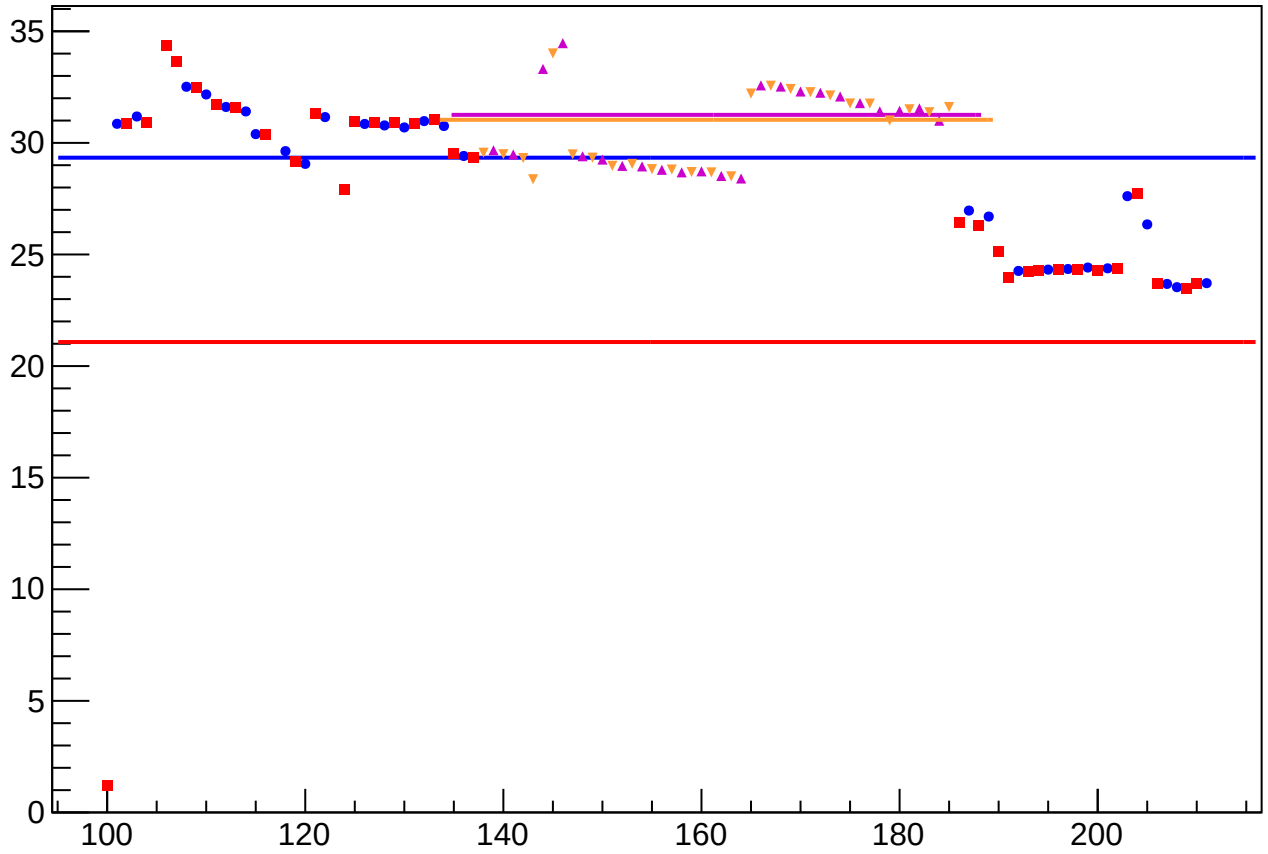
Left In: 0.107+/-0.000 χ^2/NDF:859458.3/22

+ sign 0.119+/-0.000 χ^2/NDF: 9973133.2/52

All: 0.122+/-0.000 χ^2/NDF: 21347315.0/108

- sign 0.125+/-0.000 χ^2/NDF: 11308970.0/55

yield_sam3_mean vs Slug



Right In: 29.337+/-0.000 χ^2/NDF: 6557576926.3/27

Left Out: 31.035+/-0.000 χ^2/NDF:11897463221.2/24

Right Out: 21.078+/-0.000 χ^2/NDF: 226165004426.4/32

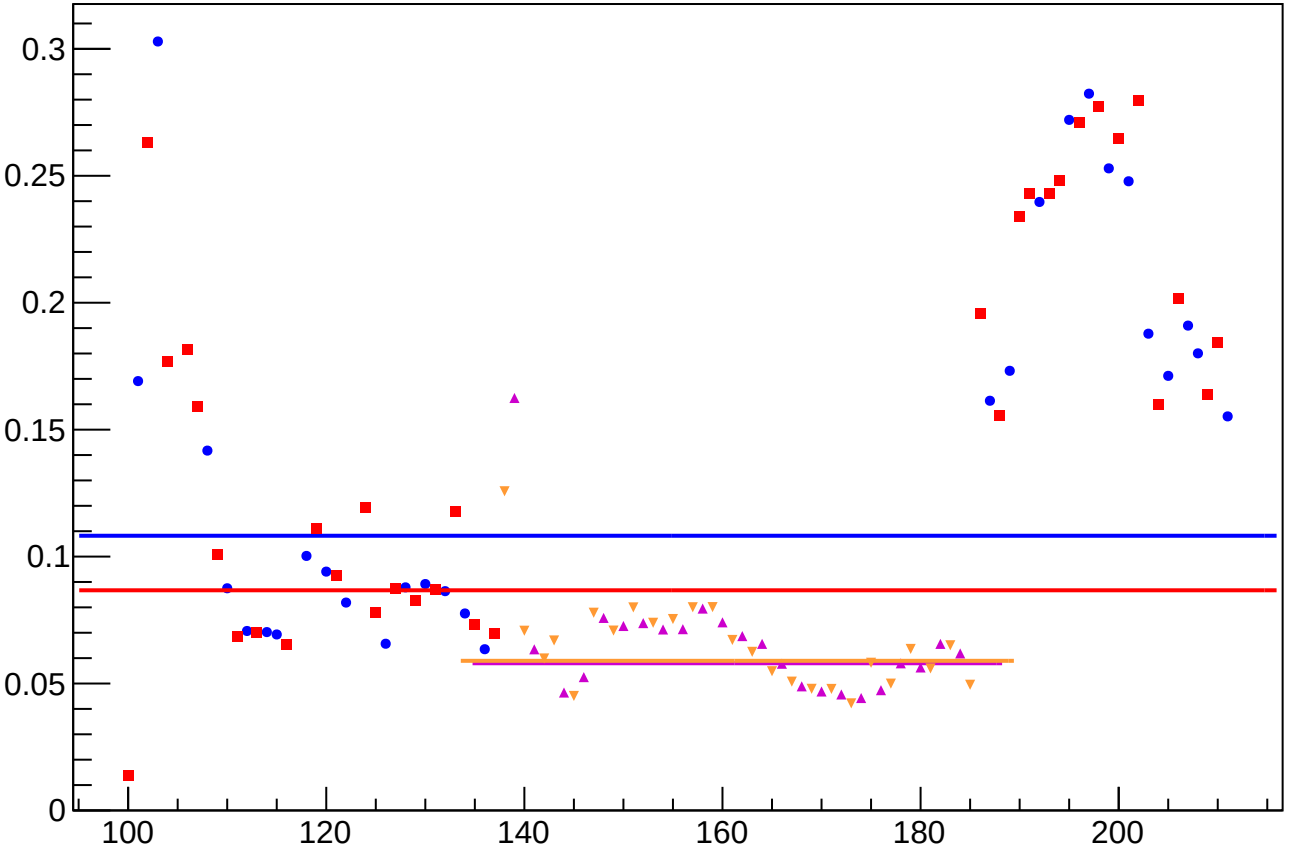
Left In: 31.256+/-0.000 χ^2/NDF:12589744083.0/22

+ sign 30.715+/-0.000 χ^2/NDF: 20780262689.8/52

All: 29.730+/-0.000 χ^2/NDF: 373678055672.

- sign 28.778+/-0.000 χ^2/NDF: 342829253109.0/55

yield_sam3_rms vs Slug



Right In: 0.108+/-0.000 χ^2/NDF: 6582523.0/27

Left Out: 0.059+/-0.000 χ^2/NDF:1536601.0/24

Right Out: 0.087+/-0.000 χ^2/NDF: 12789613.8/32

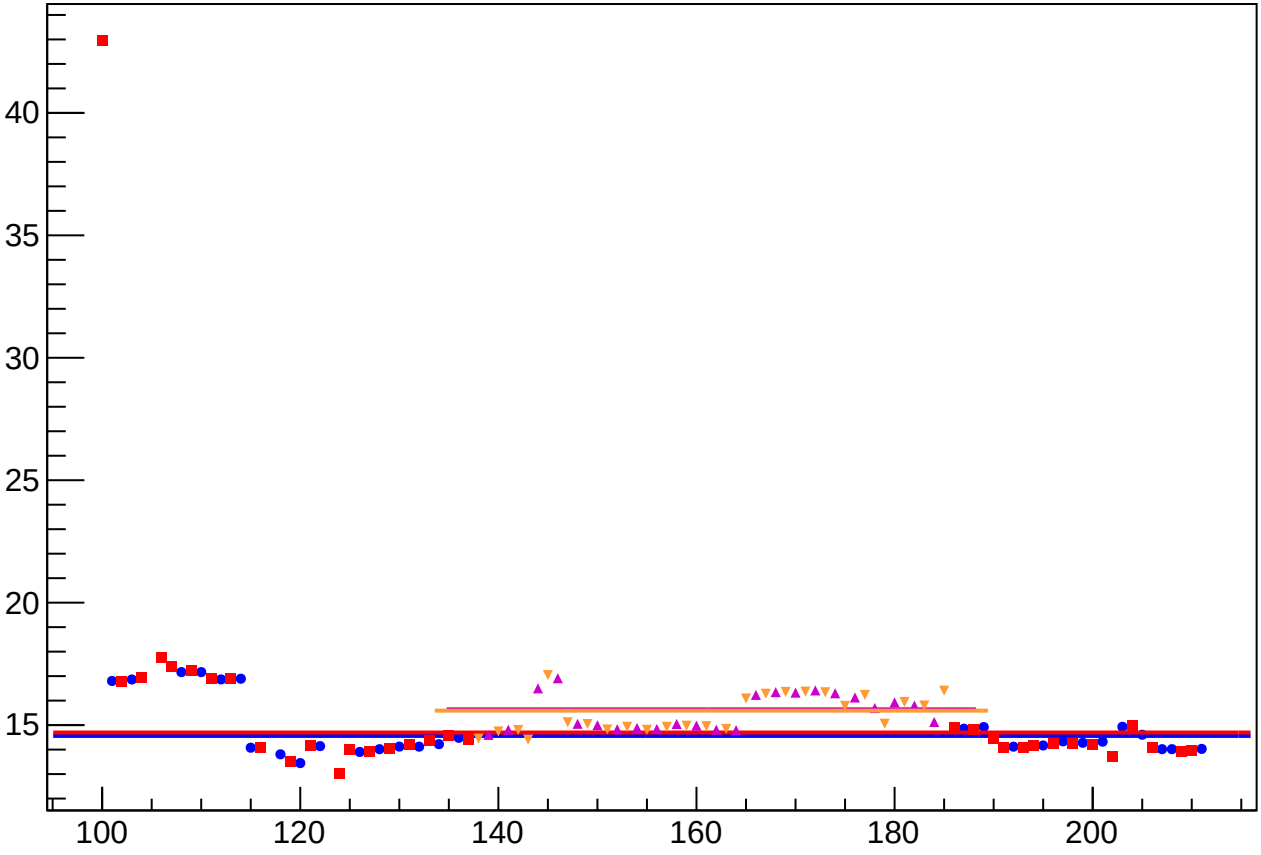
Left In: 0.058+/-0.000 χ^2/NDF:1716553.7/22

+ sign 0.068+/-0.000 χ^2/NDF: 12033796.1/52

All: 0.067+/-0.000 χ^2/NDF: 28255704.1/108

- sign 0.065+/-0.000 χ^2/NDF: 16165678.3/55

yield_sam4_mean vs Slug



Right In: 14.558+/-0.000 χ^2/NDF: 1254202469.0/27

Left Out: 15.591+/-0.000 χ^2/NDF:2257437225.0/24

Right Out: 14.698+/-0.000 χ^2/NDF: 1863687619.4/32

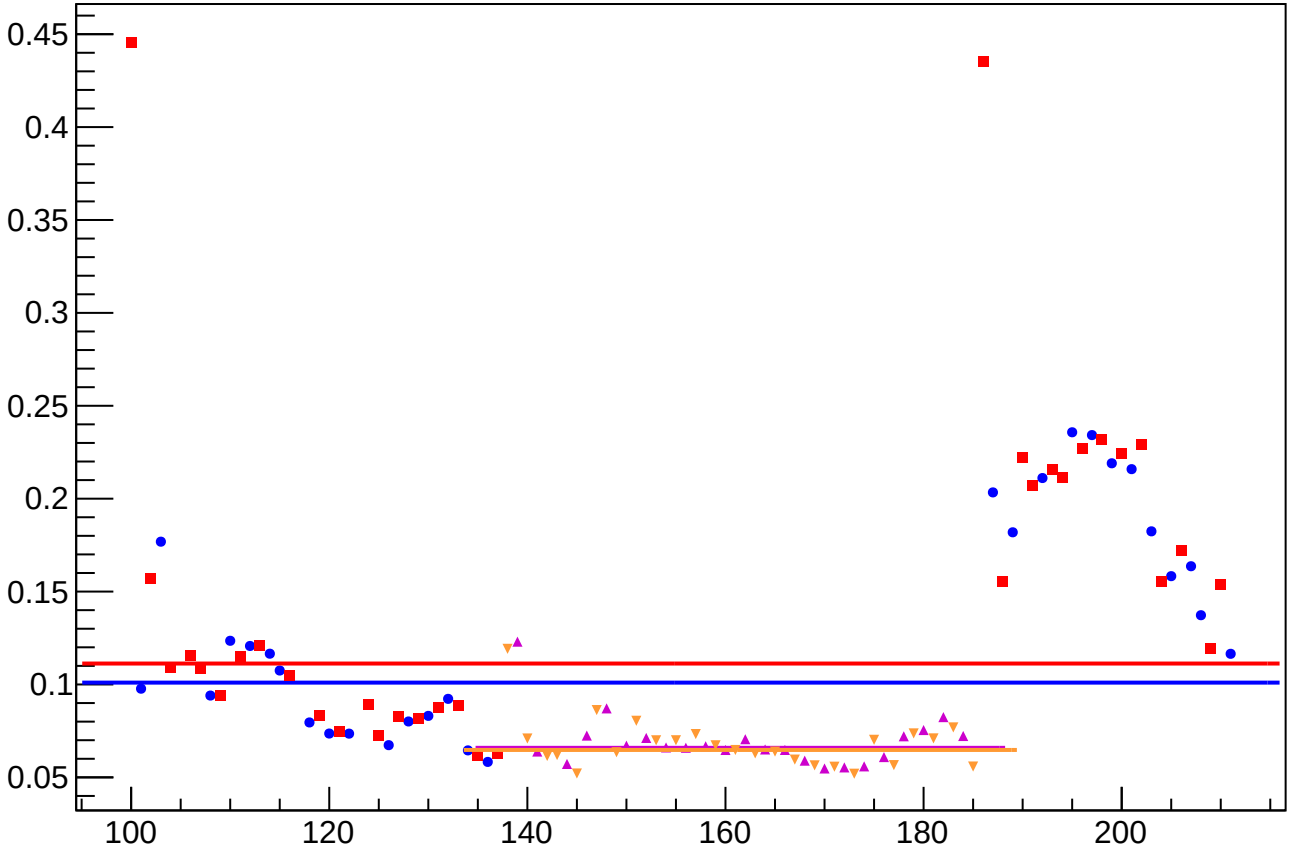
Left In: 15.645+/-0.000 χ^2/NDF:1858454747.6/22

+ sign 15.343+/-0.000 χ^2/NDF: 4512300903.6/52

All: 15.379+/-0.000 χ^2/NDF: 9019330460.7/1

- sign 15.417+/-0.000 χ^2/NDF: 4493614057.6/55

yield_sam4_rms vs Slug



Right In: 0.101+/-0.000 χ^2/NDF: 5596844.3/27

Left Out: 0.065+/-0.000 χ^2/NDF:855753.3/24

Right Out: 0.111+/-0.000 χ^2/NDF: 5671598.9/32

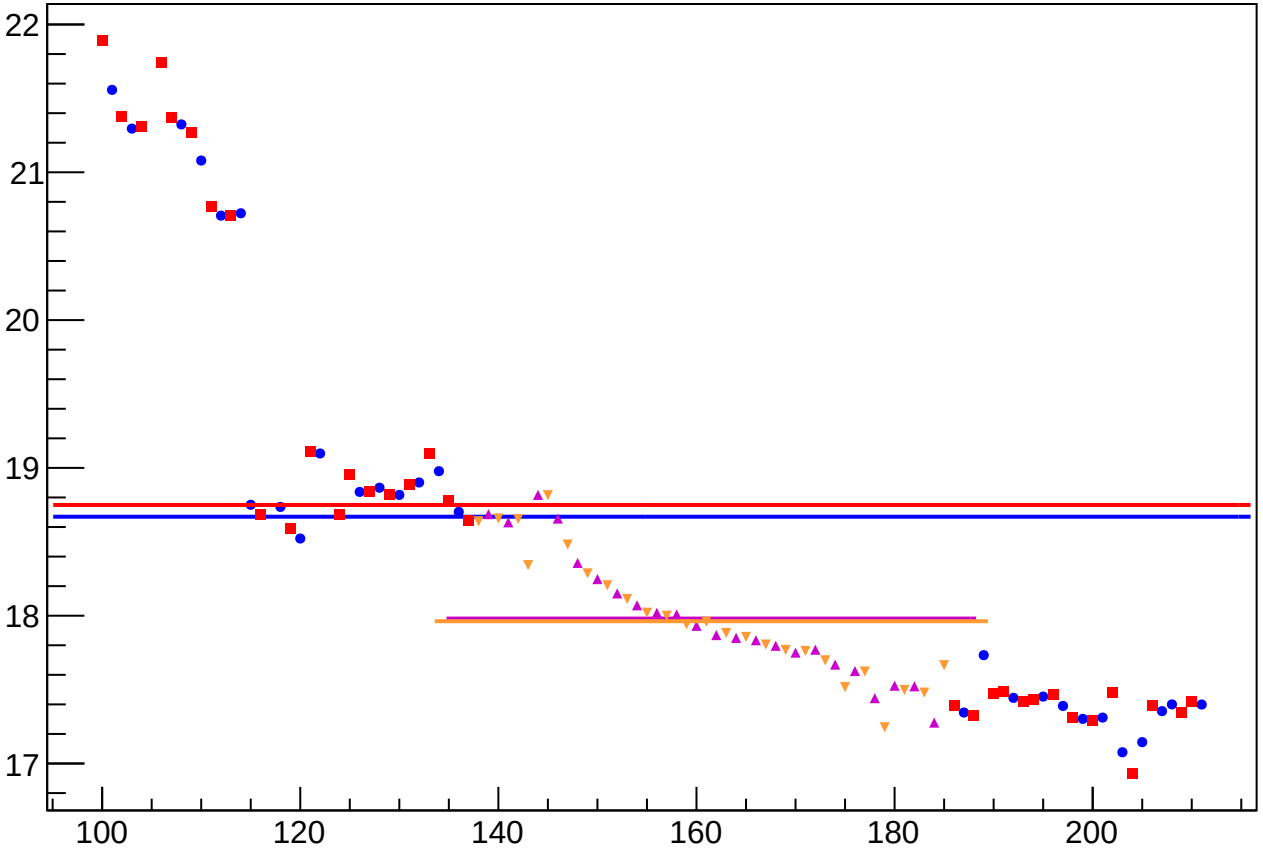
Left In: 0.066+/-0.000 χ^2/NDF:788235.2/22

+ sign 0.073+/-0.000 χ^2/NDF: 8917726.3/52

All: 0.075+/-0.000 χ^2/NDF: 18974423.9/108

- sign 0.077+/-0.000 χ^2/NDF: 10001750.9/55

yield_sam5_mean vs Slug



Right In: 18.670+/-0.000 χ^2/NDF: 34062543854.2/27

Left Out: 17.963+/-0.000 χ^2/NDF:3041551307.2/24

Right Out: 18.749+/-0.000 χ^2/NDF: 36857695609.4/32

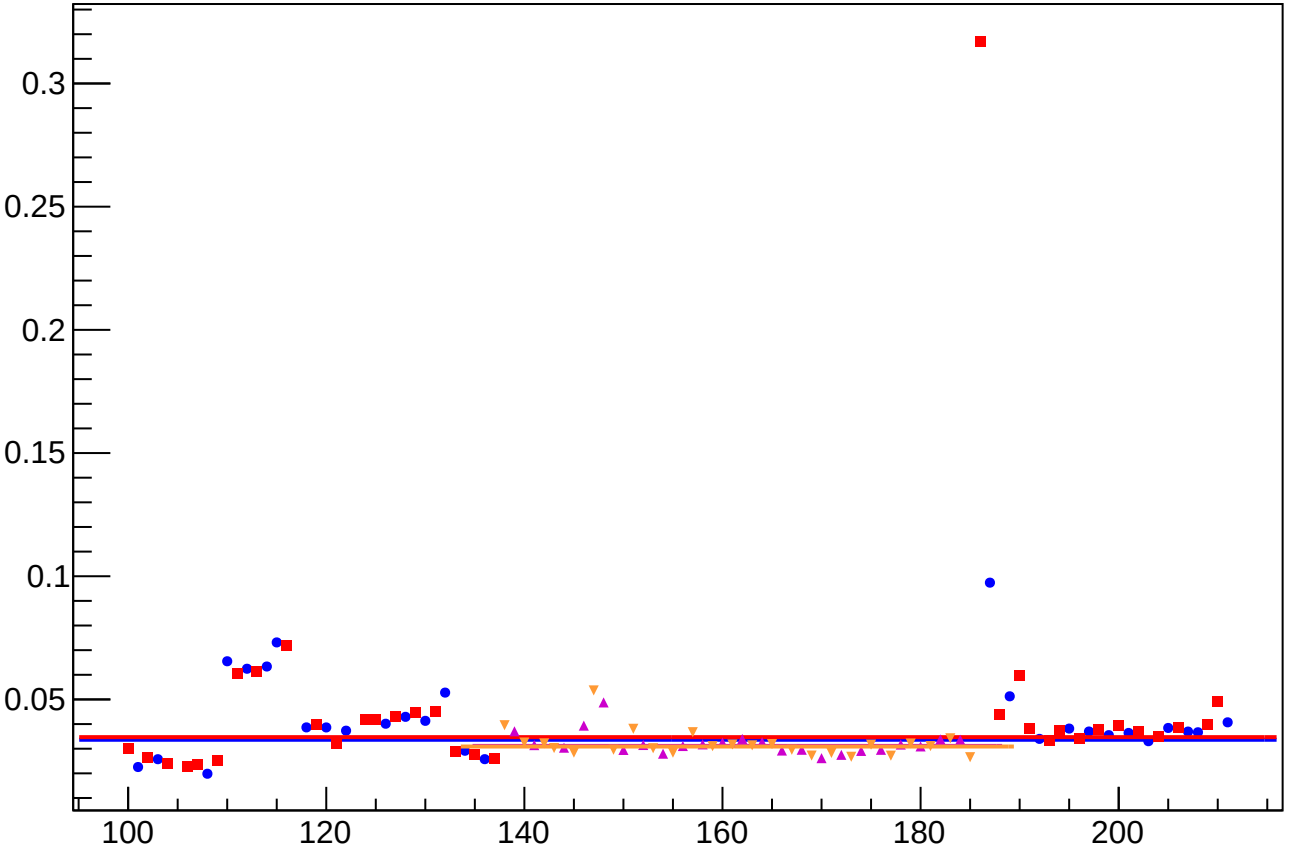
Left In: 17.980+/-0.000 χ^2/NDF:2720441956.8/22

+ sign 18.248+/-0.000 χ^2/NDF: 40972989380.5/52

All: 18.277+/-0.000 χ^2/NDF: 85080057797.7

- sign 18.306+/-0.000 χ^2/NDF: 44053547493.7/55

yield_sam5_rms vs Slug



Right In: 0.034+/-0.000 χ^2/NDF: 2011255.9/27

Left Out: 0.031+/-0.000 χ^2/NDF:633519.6/24

Right Out: 0.035+/-0.000 χ^2/NDF: 2437618.8/32

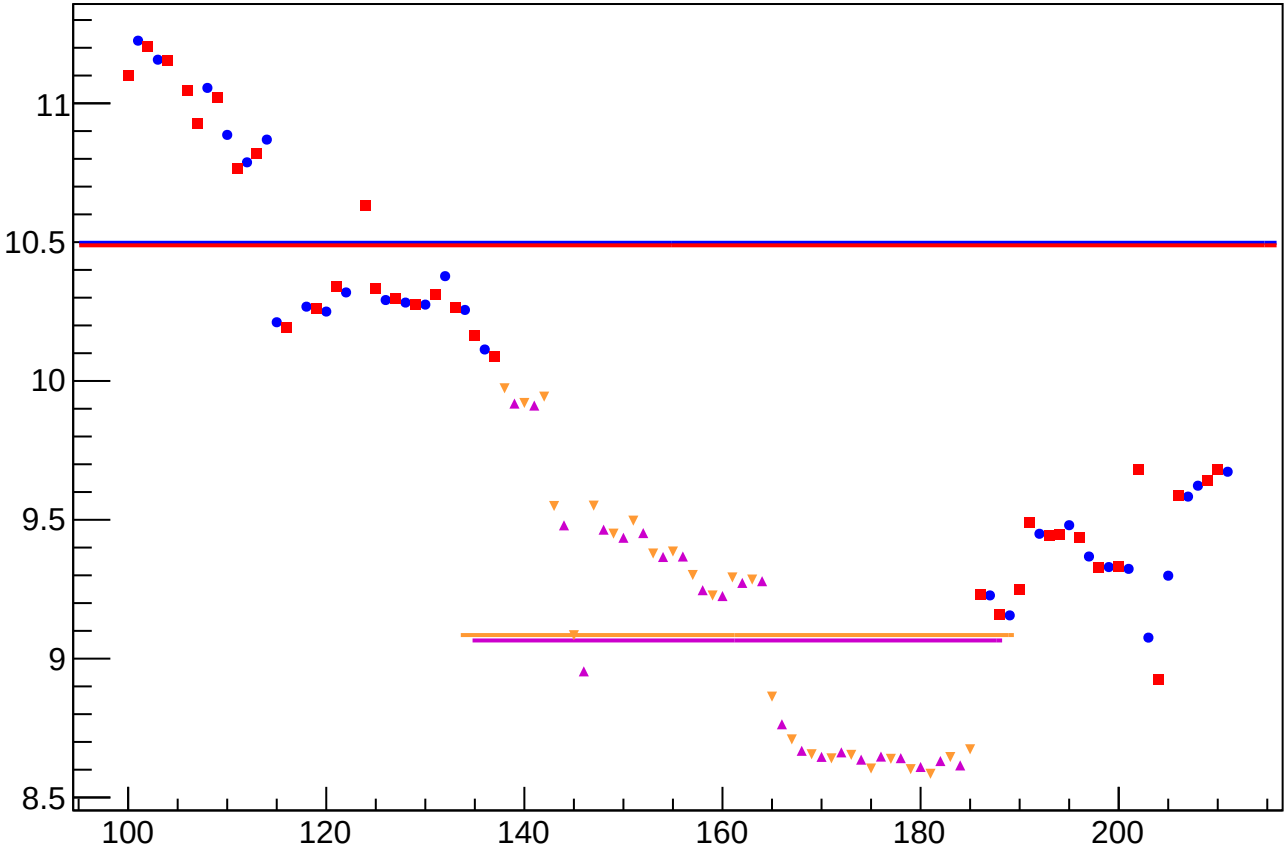
Left In: 0.031+/-0.000 χ^2/NDF:482919.2/22

+ sign 0.032+/-0.000 χ^2/NDF: 2761306.4/52

All: 0.032+/-0.000 χ^2/NDF: 5886779.0/108

- sign 0.033+/-0.000 χ^2/NDF: 3112238.2/55

yield_sam6_mean vs Slug



Right In: 10.498+/-0.000 χ^2/NDF: 14598175355.1/27

Left Out: 9.085+/-0.000 χ^2/NDF:10203625727.4/24

Right Out: 10.489+/-0.000 χ^2/NDF: 13571477093.1/32

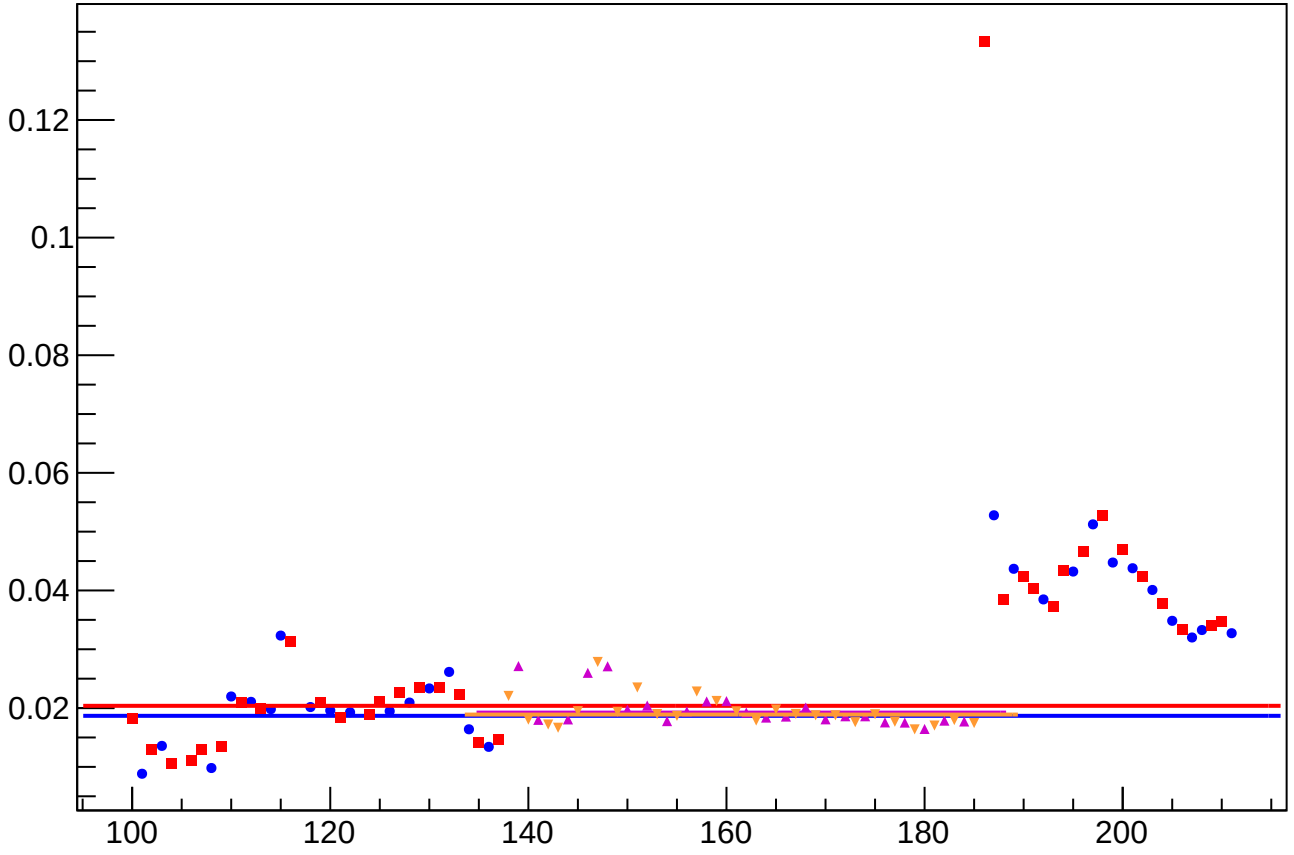
Left In: 9.065+/-0.000 χ^2/NDF:8070708662.0/22

+ sign 9.659+/-0.000 χ^2/NDF: 64781691335.8/52

All: 9.658+/-0.000 χ^2/NDF: 124153325586.6

- sign 9.657+/-0.000 χ^2/NDF: 59371529988.2/55

yield_sam6_rms vs Slug



Right In: 0.019+/-0.000 χ^2/NDF: 7584056.2/27

Left Out: 0.019+/-0.000 χ^2/NDF:441360.7/24

Right Out: 0.020+/-0.000 χ^2/NDF: 7696822.5/32

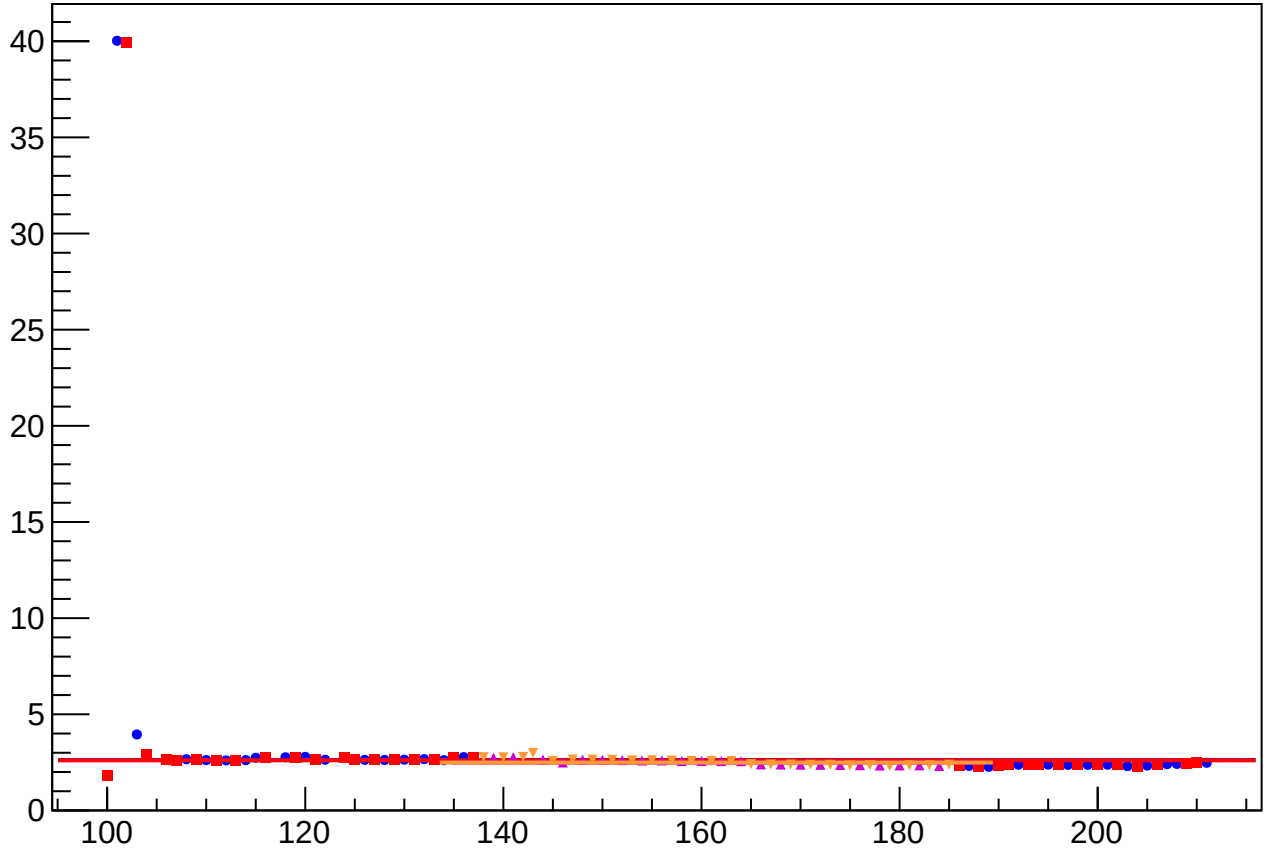
Left In: 0.019+/-0.000 χ^2/NDF:540886.4/22

+ sign 0.019+/-0.000 χ^2/NDF: 8027248.4/52

All: 0.019+/-0.000 χ^2/NDF: 16379205.6/108

- sign 0.020+/-0.000 χ^2/NDF: 8287018.6/55

yield_sam7_mean vs Slug



Right In: 2.620+/-0.000 χ^2/NDF: 86659241809.0/27

Left Out: 2.491+/-0.000 χ^2/NDF:92364283353.6/24

Right Out: 2.609+/-0.000 χ^2/NDF: 84969631214.6/32

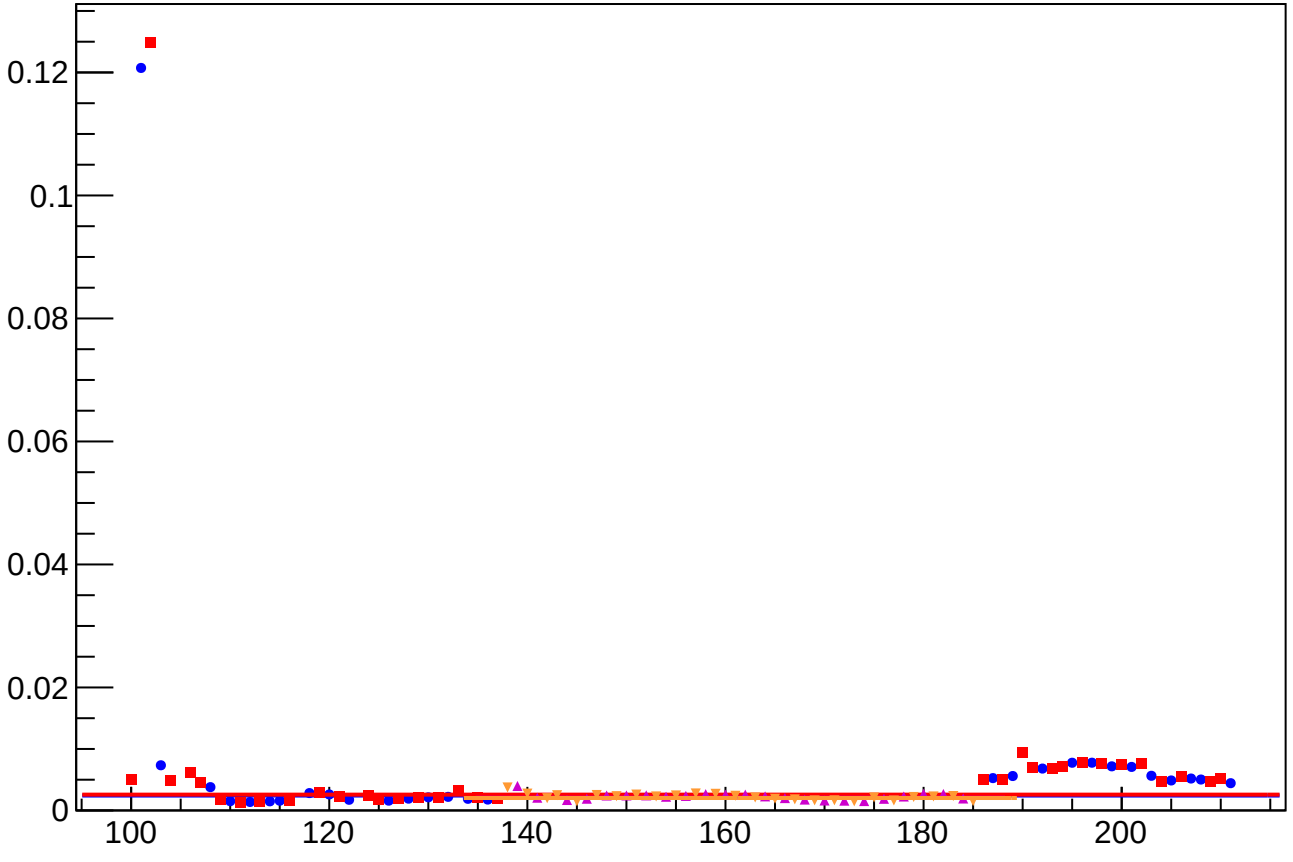
Left In: 2.489+/-0.000 χ^2/NDF:61212546319.1/22

+ sign 2.531+/-0.000 χ^2/NDF: 198421421668.3/52

All: 2.530+/-0.000 χ^2/NDF: 360956427546.9

- sign 2.528+/-0.000 χ^2/NDF: 162508096020.4/55

yield_sam7_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 9329291.9/27

Left Out: 0.002+/-0.000 χ^2/NDF:1556481.5/24

Right Out: 0.003+/-0.000 χ^2/NDF: 10839932.4/32

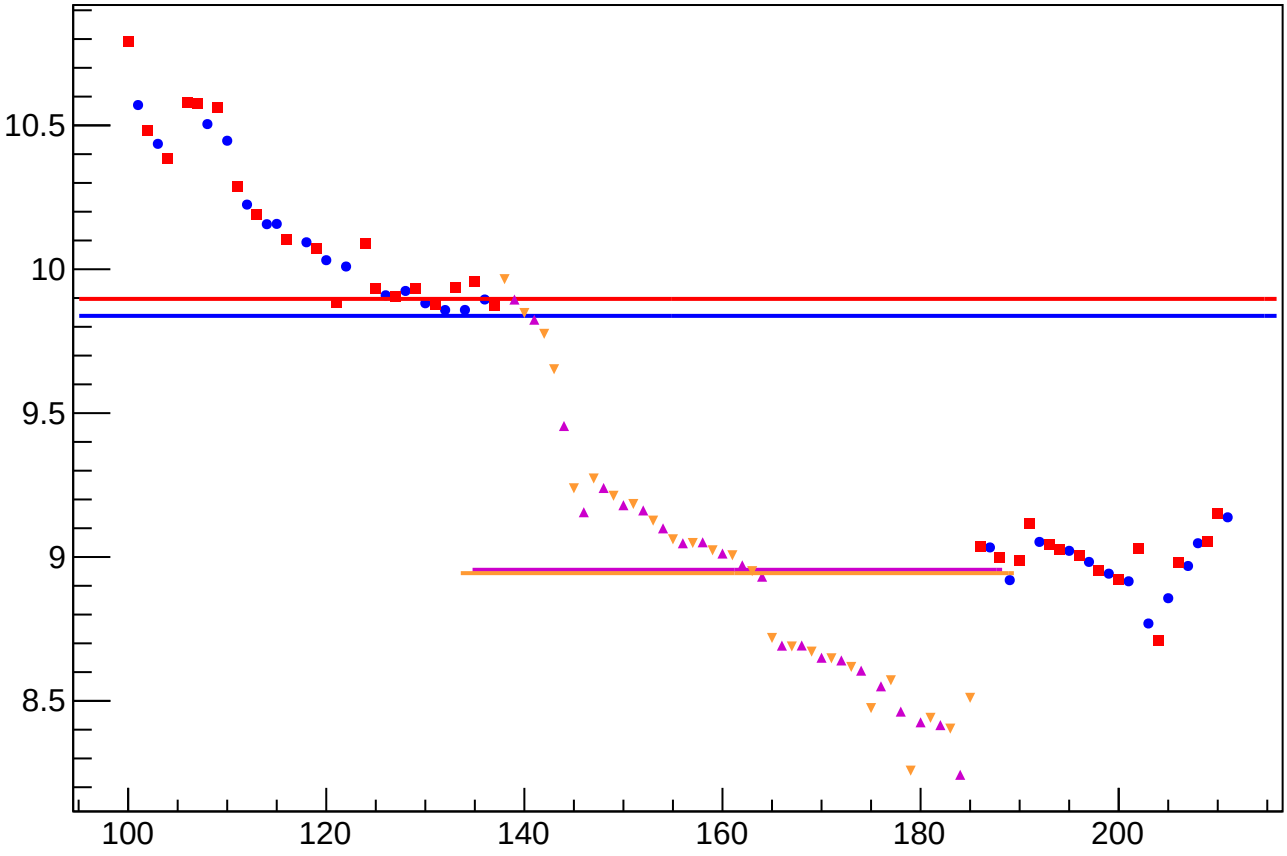
Left In: 0.002+/-0.000 χ^2/NDF:1402331.9/22

+ sign 0.002+/-0.000 χ^2/NDF: 11261505.1/52

All: 0.002+/-0.000 χ^2/NDF: 24122130.9/108

- sign 0.002+/-0.000 χ^2/NDF: 12823167.4/55

yield_sam8_mean vs Slug



Right In: 9.838+/-0.000 χ^2/NDF: 67527093013.6/27

Left Out: 8.944+/-0.000 χ^2/NDF:65887712966.5/24

Right Out: 9.897+/-0.000 χ^2/NDF: 72460460090.7/32

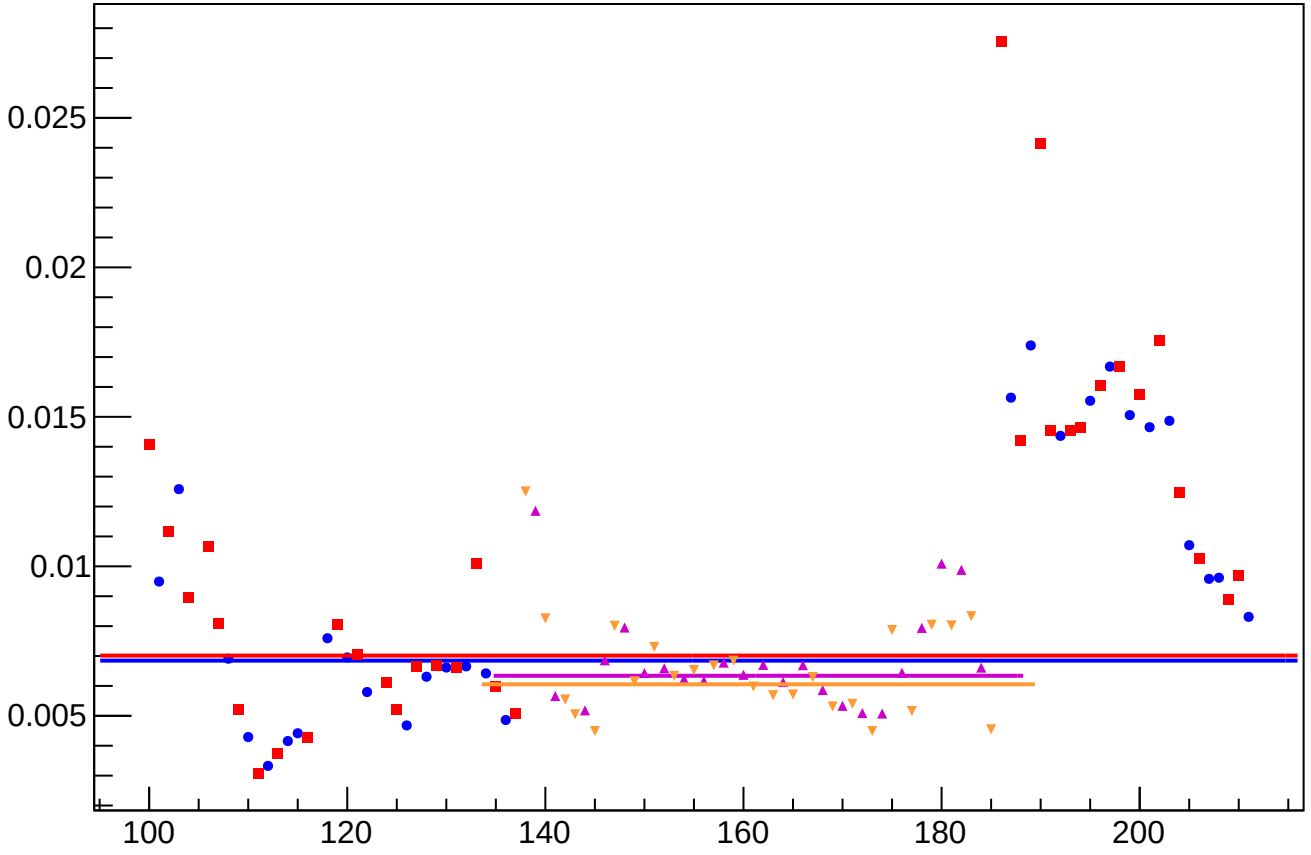
Left In: 8.956+/-0.000 χ^2/NDF:51572164470.4/22

+ sign 9.283+/-0.000 χ^2/NDF: 259705261492.5/52

All: 9.313+/-0.000 χ^2/NDF: 518252586470.4

- sign 9.346+/-0.000 χ^2/NDF: 257257709925.7/55

yield_sam8_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 6302683.0/27

Left Out: 0.006+/-0.000 χ^2/NDF:1461022.8/24

Right Out: 0.007+/-0.000 χ^2/NDF: 8164506.8/32

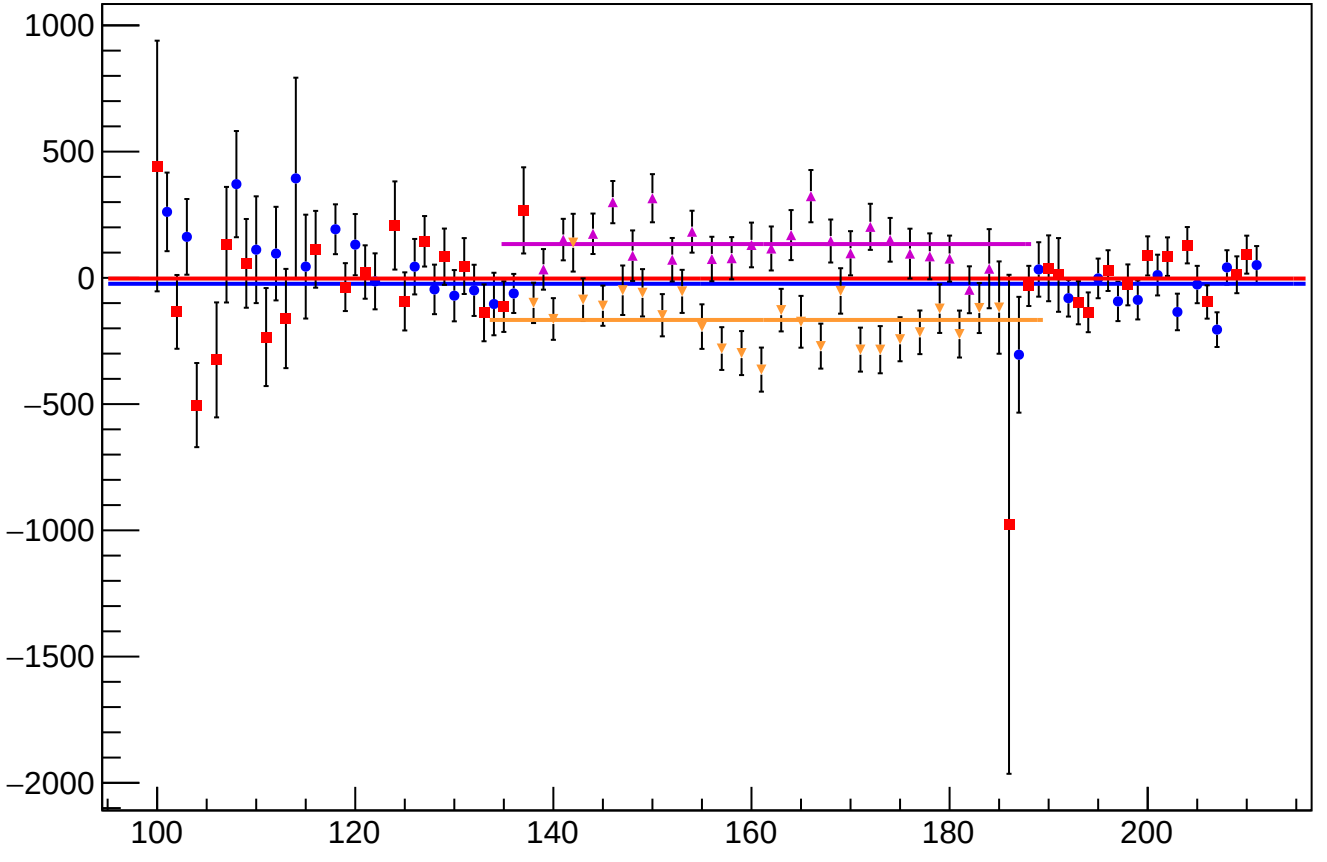
Left In: 0.006+/-0.000 χ^2/NDF:1175260.9/22

+ sign 0.006+/-0.000 χ^2/NDF: 7962125.1/52

All: 0.006+/-0.000 χ^2/NDF: 17484477.6/108

- sign 0.007+/-0.000 χ^2/NDF: 9476914.6/55

reg_asym_sam1_mean vs Slug



Right In: -23.483+/-18.337 χ^2/NDF: 33.6/27

Left Out: -166.676+/-18.079 χ^2/NDF:31.6/24

Right Out: -2.745+/-18.167 χ^2/NDF: 41.4/32

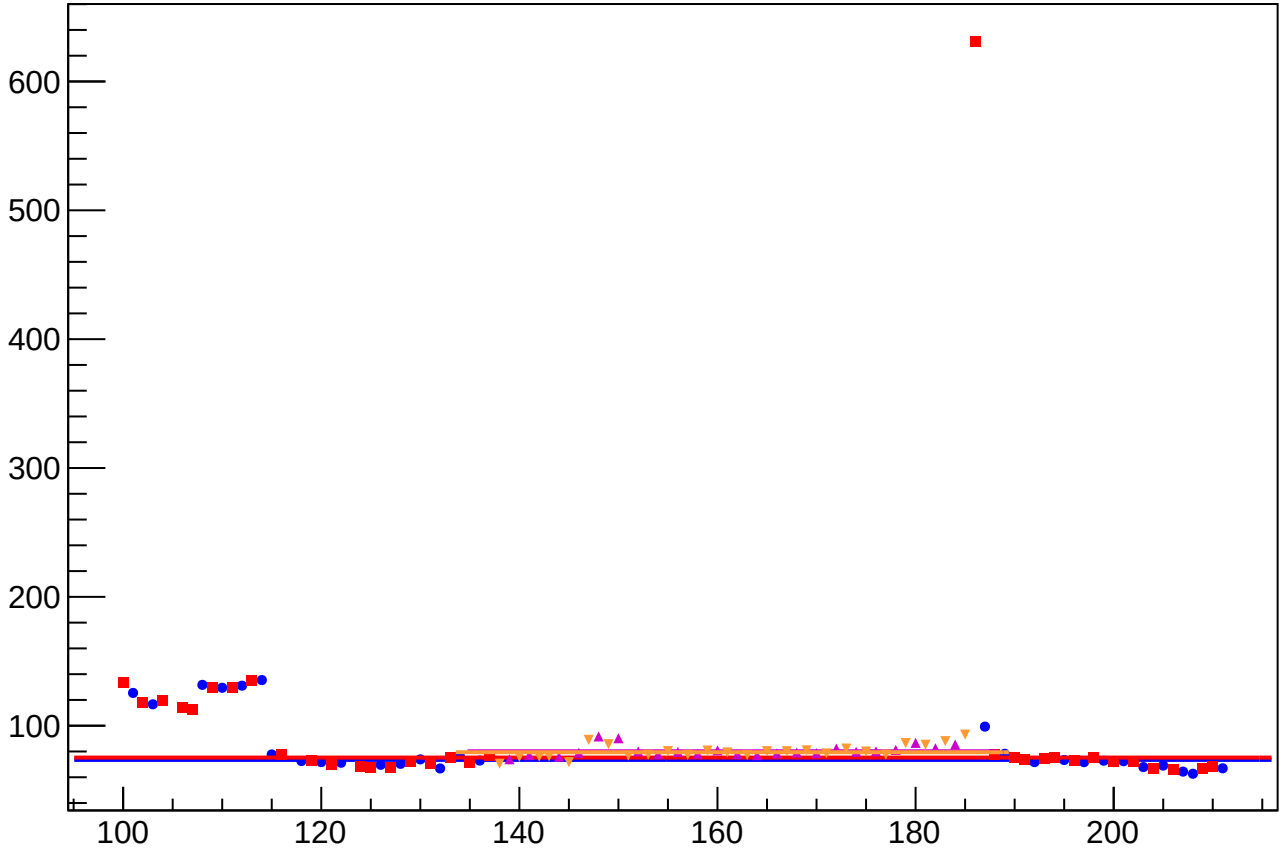
Left In: 133.843+/-18.756 χ^2/NDF:20.7/22

+ sign -96.095+/-12.874 χ^2/NDF: 96.2/52

All: -17.439+/-9.165 χ^2/NDF: 261.3/108

- sign 63.372+/-13.049 χ^2/NDF: 89.5/55

reg_asym_sam1_rms vs Slug



Right In: 73.471+/-0.013 χ^2/NDF: 1090844.7/27

Left Out: 79.410+/-0.013 χ^2/NDF:134796.0/24

Right Out: 75.278+/-0.013 χ^2/NDF: 1774862.3/32

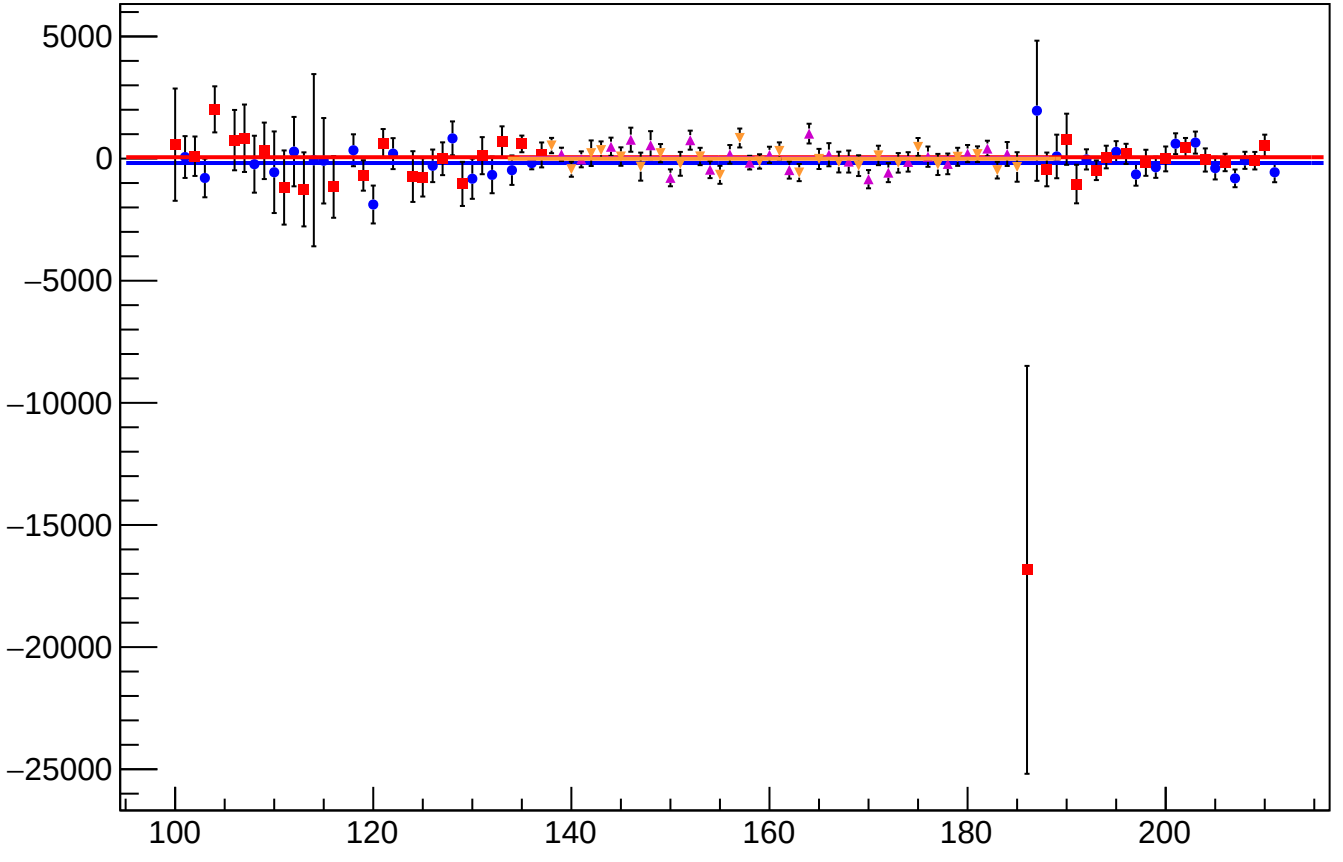
Left In: 80.160+/-0.013 χ^2/NDF:91469.5/22

+ sign 76.483+/-0.009 χ^2/NDF: 1332052.7/52

All: 77.054+/-0.006 χ^2/NDF: 3276295.4/108

- sign 77.641+/-0.009 χ^2/NDF: 1936254.2/55

asym_sam1_reg_correction_mean vs Slug



Right In: -180.561+/-101.718 χ^2/NDF: 24.1/27

Left Out: -3.474+/-75.863 χ^2/NDF:24.0/24

Right Out: 56.683+/-102.941 χ^2/NDF: 28.3/32

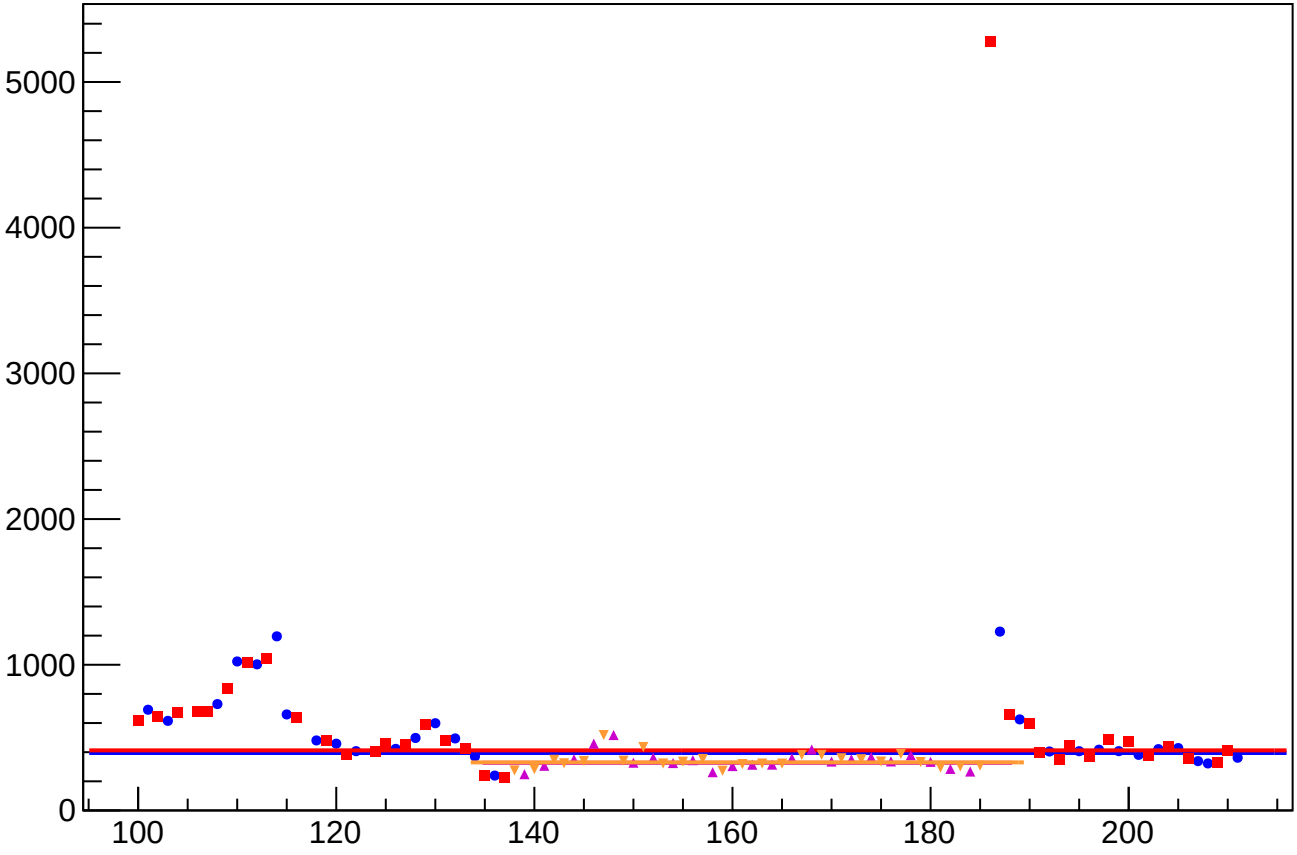
Left In: 19.298+/-77.541 χ^2/NDF:35.0/22

+ sign -66.769+/-60.812 χ^2/NDF: 50.1/52

All: -17.880+/-43.392 χ^2/NDF: 114.8/108

- sign 32.832+/-61.936 χ^2/NDF: 63.4/55

asym_sam1_reg_correction_rms vs Slug



Right In: 394.518+/-0.072 χ^2/NDF: 2839908.7/27

Left Out: 329.968+/-0.054 χ^2/NDF:659241.4/24

Right Out: 412.476+/-0.073 χ^2/NDF: 3715362.9/32

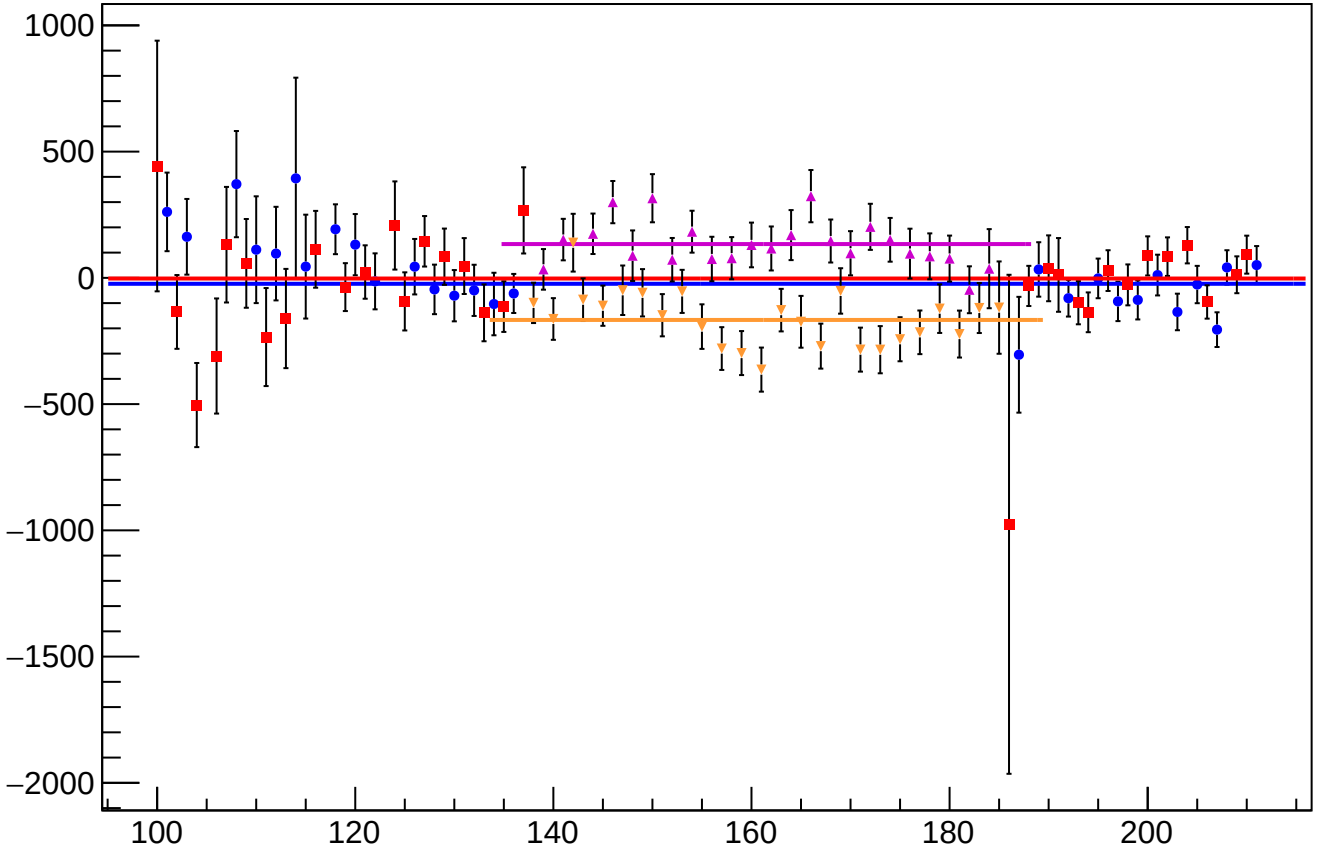
Left In: 326.963+/-0.055 χ^2/NDF:899326.3/22

+ sign 353.040+/-0.043 χ^2/NDF: 4016705.5/52

All: 355.435+/-0.031 χ^2/NDF: 9518236.1/108

- sign 357.919+/-0.044 χ^2/NDF: 5495211.4/55

cor_asym_sam1_mean vs Slug



Right In: -23.483+/-18.337 χ^2/NDF: 33.6/27

Left Out: -166.675+/-18.079 χ^2/NDF:31.6/24

Right Out: -2.641+/-18.167 χ^2/NDF: 41.2/32

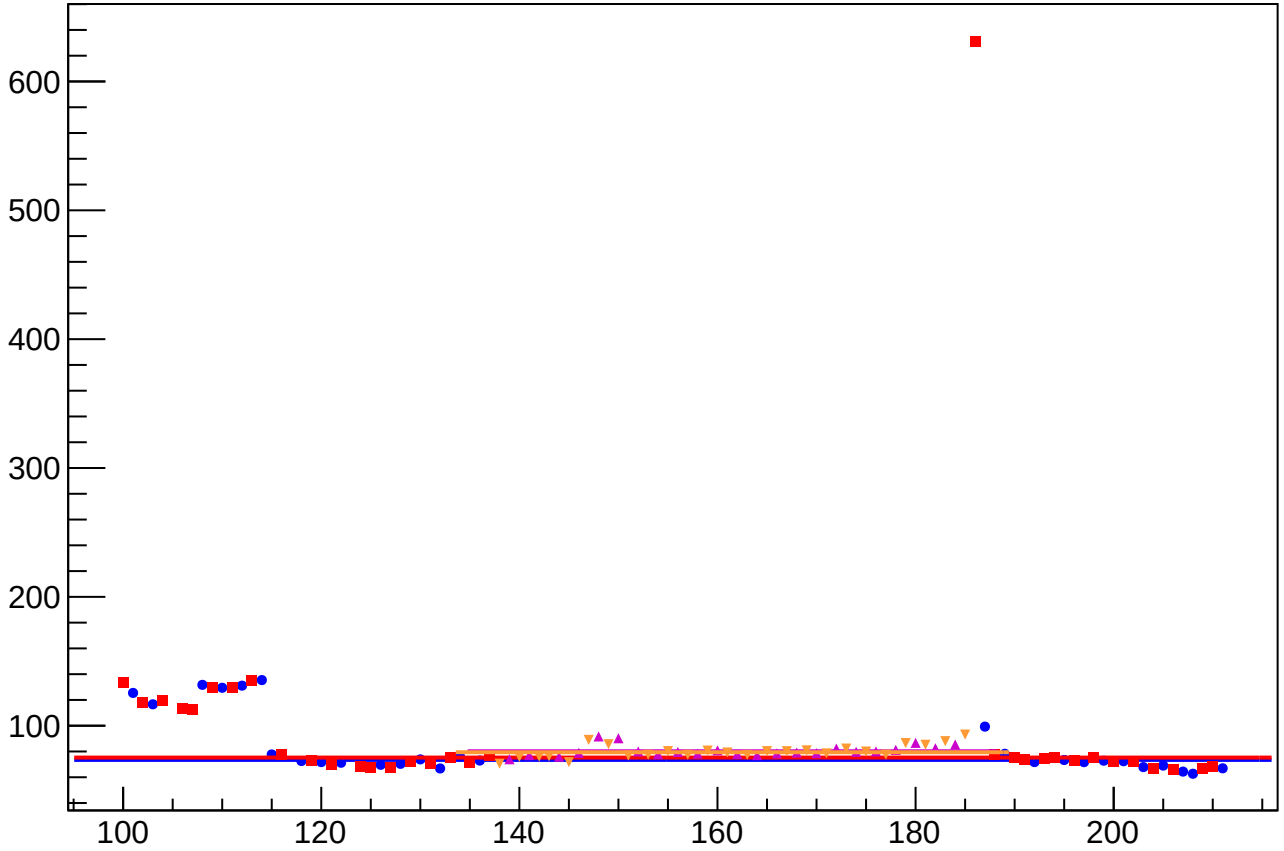
Left In: 133.850+/-18.756 χ^2/NDF:20.7/22

+ sign -96.094+/-12.874 χ^2/NDF: 96.2/52

All: -17.411+/-9.165 χ^2/NDF: 261.2/108

- sign 63.429+/-13.049 χ^2/NDF: 89.3/55

cor_asym_sam1_rms vs Slug



Right In: 73.471+/-0.013 χ^2/NDF: 1090844.9/27

Left Out: 79.410+/-0.013 χ^2/NDF:134796.1/24

Right Out: 75.272+/-0.013 χ^2/NDF: 1772567.2/32

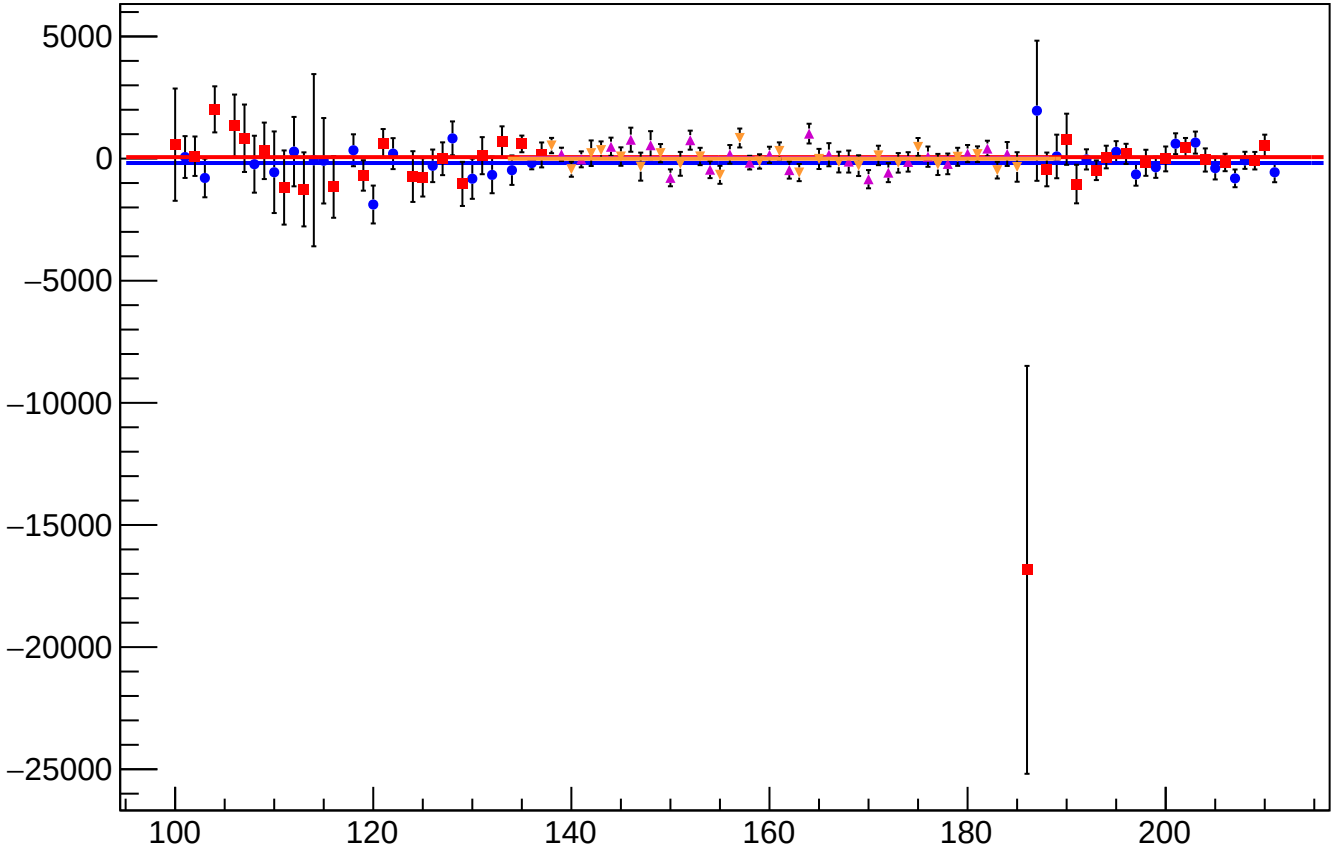
Left In: 80.160+/-0.013 χ^2/NDF:91469.5/22

+ sign 76.483+/-0.009 χ^2/NDF: 1332053.0/52

All: 77.053+/-0.006 χ^2/NDF: 3274113.9/108

- sign 77.638+/-0.009 χ^2/NDF: 1934109.7/55

asym_sam1_cor_correction_mean vs Slug



Right In: -180.565+/-101.718 χ^2/NDF: 24.1/27

Left Out: -3.474+/-75.863 χ^2/NDF:24.0/24

Right Out: 60.259+/-102.962 χ^2/NDF: 29.0/32

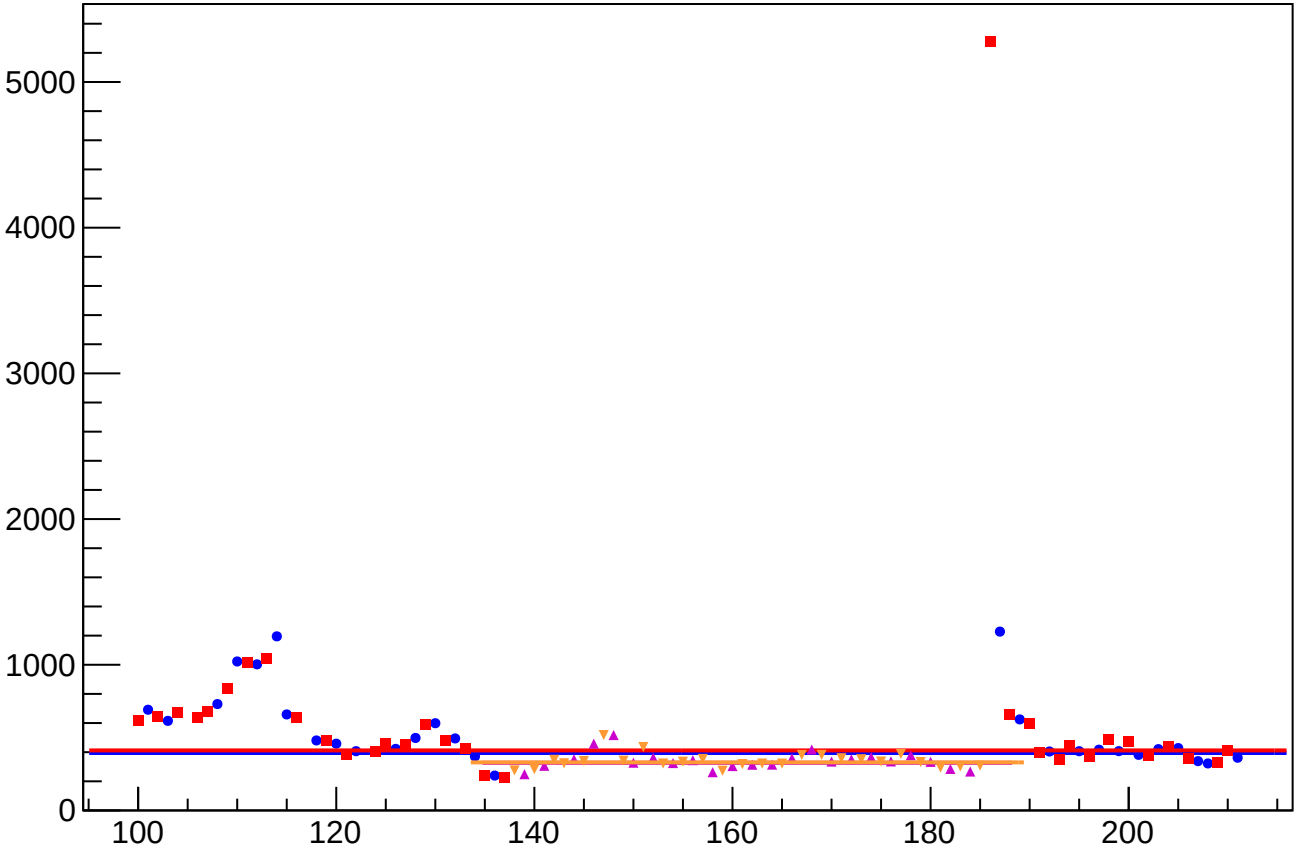
Left In: 19.305+/-77.541 χ^2/NDF:35.0/22

\+ sign -66.770+/-60.812 χ^2/NDF: 50.1/52

All: -17.249+/-43.394 χ^2/NDF: 115.6/108

\- sign 34.126+/-61.940 χ^2/NDF: 64.1/55

asym_sam1_cor_correction_rms vs Slug



Right In: 394.518+/-0.072 χ^2/NDF: 2839905.5/27

Left Out: 329.968+/-0.054 χ^2/NDF:659249.8/24

Right Out: 412.109+/-0.073 χ^2/NDF: 3685784.4/32

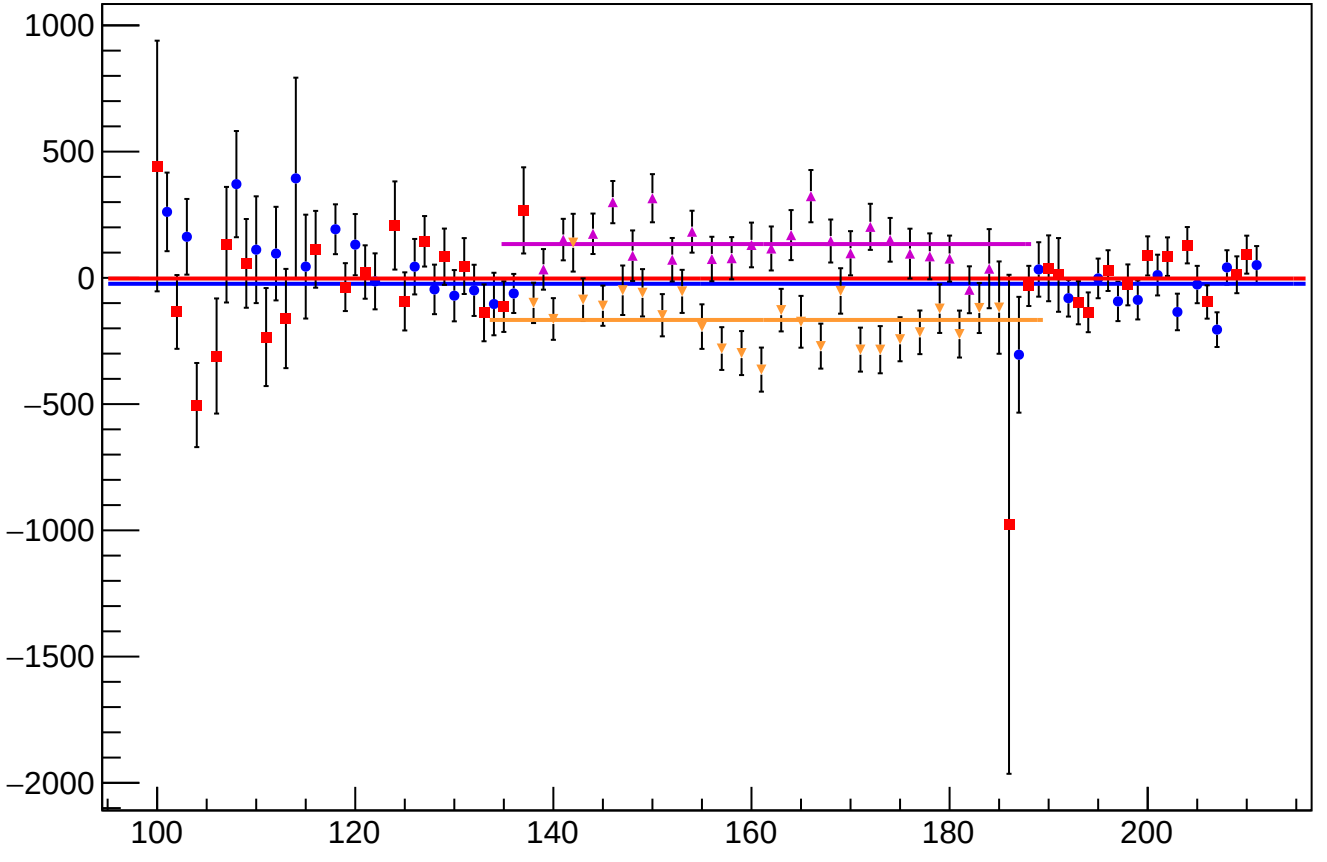
Left In: 326.963+/-0.055 χ^2/NDF:899329.3/22

+ sign 353.040+/-0.043 χ^2/NDF: 4016713.7/52

All: 355.365+/-0.031 χ^2/NDF: 9480522.5/108

- sign 357.777+/-0.044 χ^2/NDF: 5457850.6/55

eigen_cor_asym_sam1_mean vs Slug



Right In: -23.483+/-18.337 χ^2/NDF: 33.6/27

Left Out: -166.675+/-18.079 χ^2/NDF:31.6/24

Right Out: -2.641+/-18.167 χ^2/NDF: 41.2/32

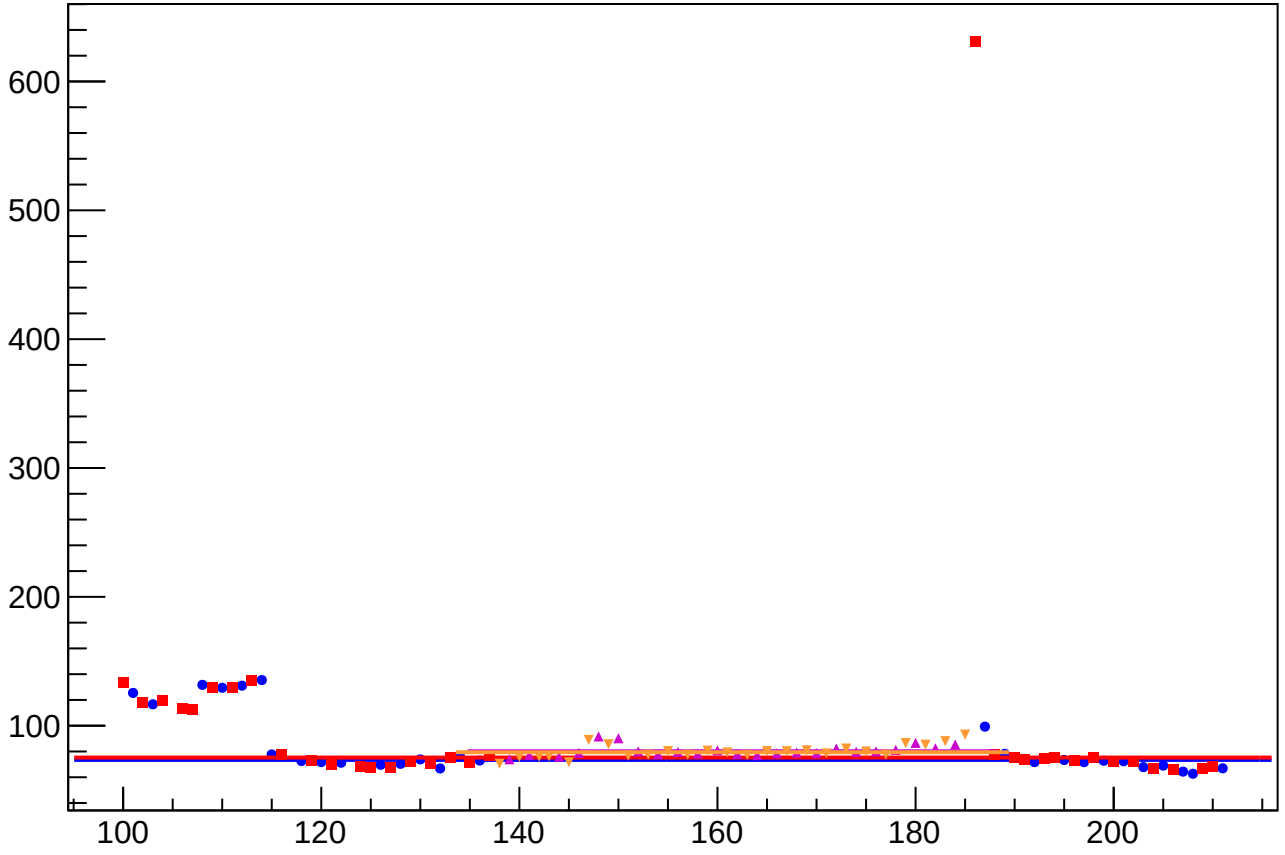
Left In: 133.850+/-18.756 χ^2/NDF:20.7/22

+ sign -96.094+/-12.874 χ^2/NDF: 96.2/52

All: -17.411+/-9.165 χ^2/NDF: 261.2/108

- sign 63.429+/-13.049 χ^2/NDF: 89.3/55

eigen_cor_asym_sam1_rms vs Slug



Right In: 73.471+/-0.013 χ^2/NDF: 1090844.9/27

Left Out: 79.410+/-0.013 χ^2/NDF:134796.1/24

Right Out: 75.272+/-0.013 χ^2/NDF: 1772567.2/32

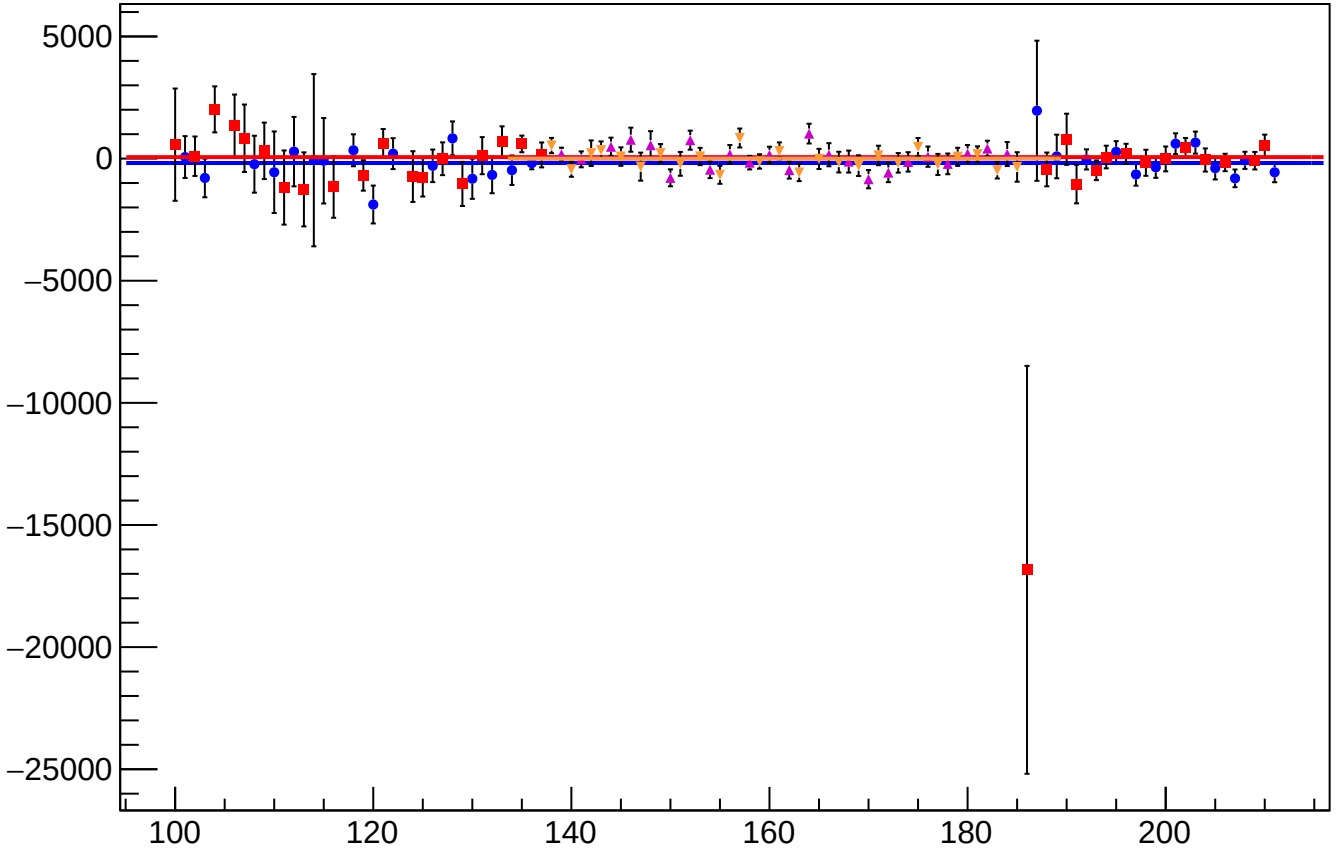
Left In: 80.160+/-0.013 χ^2/NDF:91469.5/22

+ sign 76.483+/-0.009 χ^2/NDF: 1332053.0/52

All: 77.053+/-0.006 χ^2/NDF: 3274113.9/108

- sign 77.638+/-0.009 χ^2/NDF: 1934109.7/55

asym_sam1_eigen_cor_correction_mean vs Slug



Right In: -180.565+/-101.718 χ^2/NDF: 24.1/27

Left Out: -3.474+/-75.863 χ^2/NDF:24.0/24

Right Out: 60.259+/-102.962 χ^2/NDF: 29.0/32

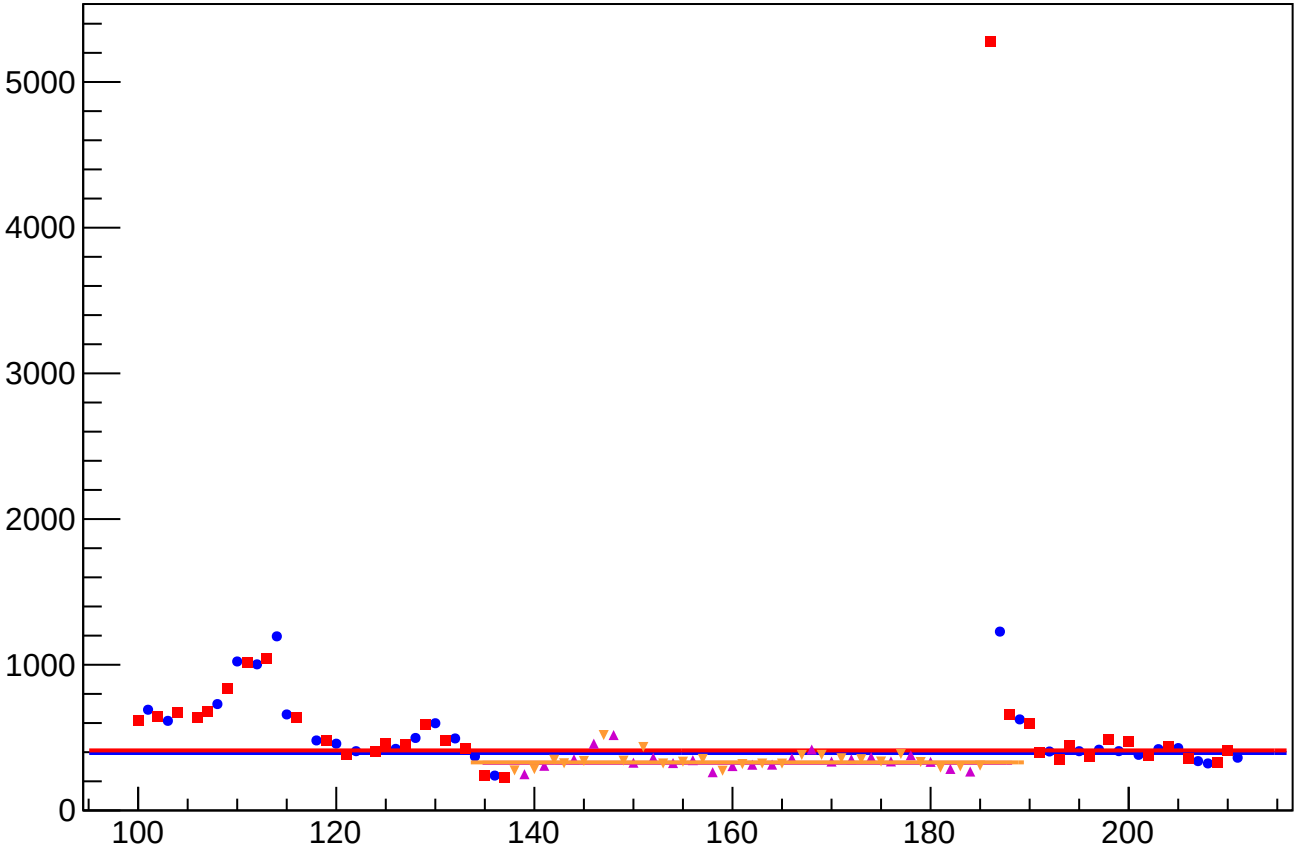
Left In: 19.305+/-77.541 χ^2/NDF:35.0/22

+ sign -66.770+/-60.812 χ^2/NDF: 50.1/52

All: -17.249+/-43.394 χ^2/NDF: 115.6/108

- sign 34.126+/-61.940 χ^2/NDF: 64.1/55

asym_sam1_eigen_cor_correction_rms vs Slug



Right In: 394.518+/-0.072 χ^2/NDF: 2839905.5/27

Left Out: 329.968+/-0.054 χ^2/NDF:659249.8/24

Right Out: 412.109+/-0.073 χ^2/NDF: 3685784.4/32

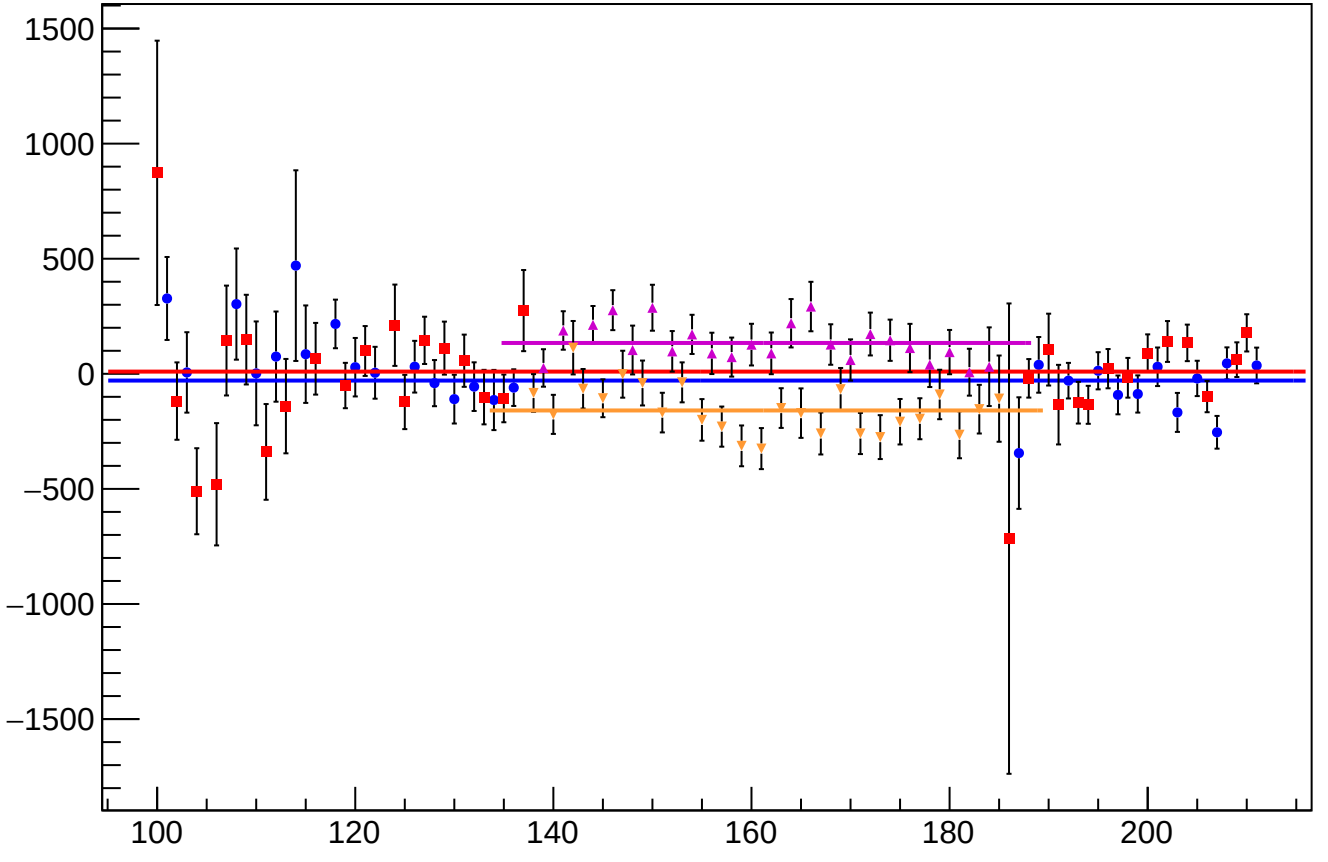
Left In: 326.963+/-0.055 χ^2/NDF:899329.3/22

+ sign 353.040+/-0.043 χ^2/NDF: 4016713.7/52

All: 355.365+/-0.031 χ^2/NDF: 9480522.5/108

- sign 357.777+/-0.044 χ^2/NDF: 5457850.6/55

dit_asym_sam1_mean vs Slug



Right In: -29.337+/-19.313 χ^2/NDF: 33.5/27

Left Out: -159.223+/-18.749 χ^2/NDF:28.2/24

Right Out: 9.608+/-19.270 χ^2/NDF: 49.1/32

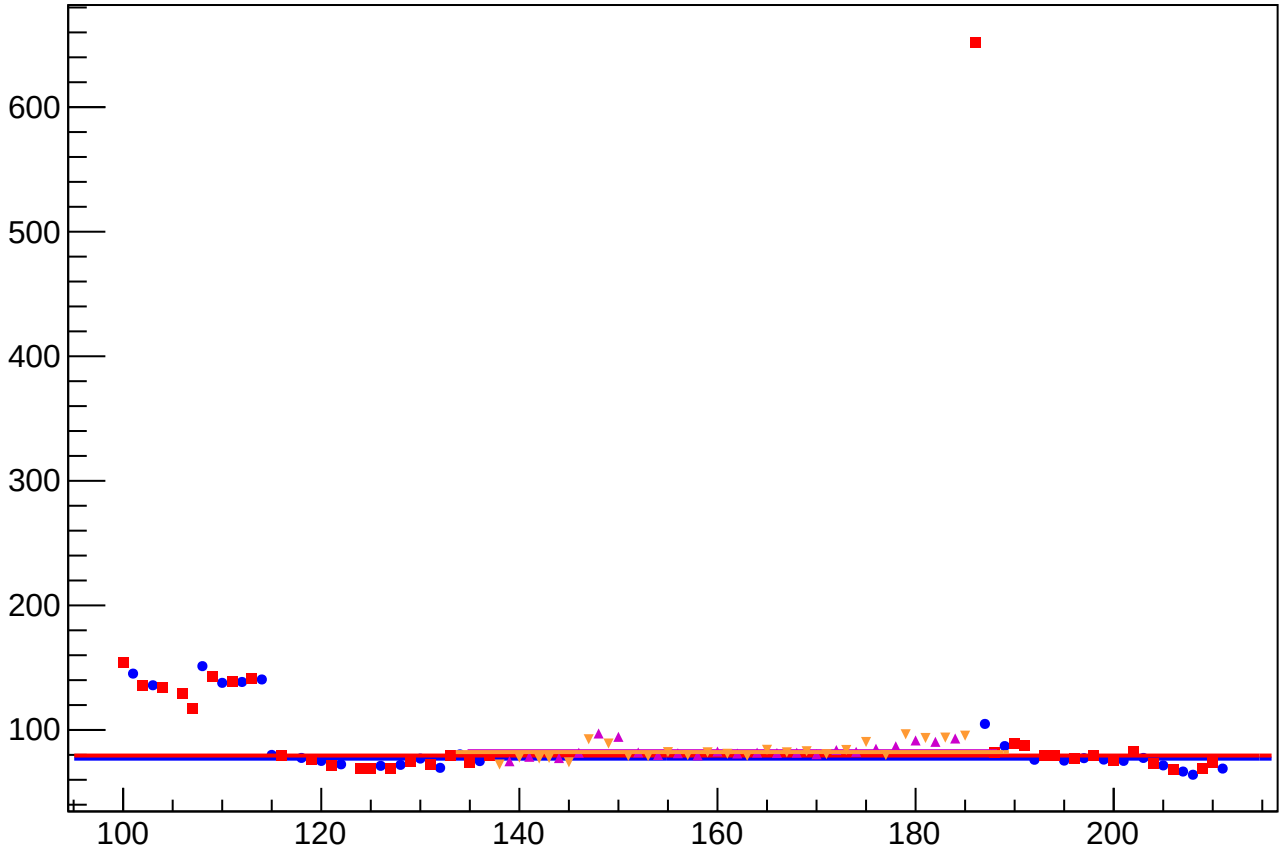
Left In: 134.010+/-19.441 χ^2/NDF:16.4/22

+ sign -96.204+/-13.453 χ^2/NDF: 85.0/52

All: -13.911+/-9.594 χ^2/NDF: 247.3/108

- sign 71.261+/-13.686 χ^2/NDF: 86.2/55

dit_asym_sam1_rms vs Slug



Right In: 76.970+/-0.014 χ^2/NDF: 1305455.6/27

Left Out: 82.247+/-0.013 χ^2/NDF:216548.3/24

Right Out: 79.466+/-0.014 χ^2/NDF: 1946453.8/32

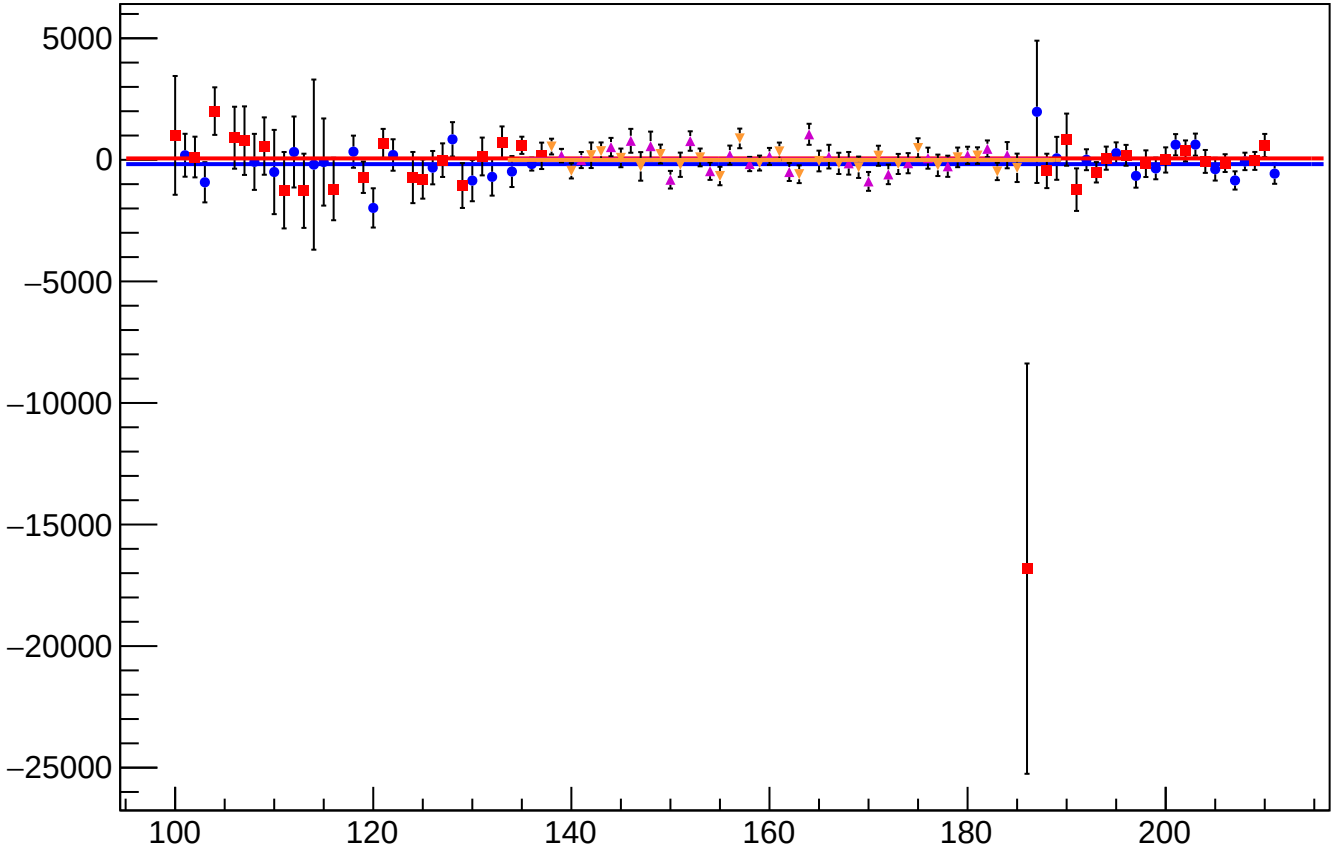
Left In: 82.993+/-0.014 χ^2/NDF:145608.6/22

+ sign 79.687+/-0.010 χ^2/NDF: 1598886.9/52

All: 80.437+/-0.007 χ^2/NDF: 3736823.9/108

- sign 81.214+/-0.010 χ^2/NDF: 2125269.9/55

asym_sam1_dit_correction_mean vs Slug



Right In: -176.425+/-104.829 χ^2/NDF: 24.3/27

Left Out: -3.095+/-78.582 χ^2/NDF:23.5/24

Right Out: 58.701+/-106.498 χ^2/NDF: 28.0/32

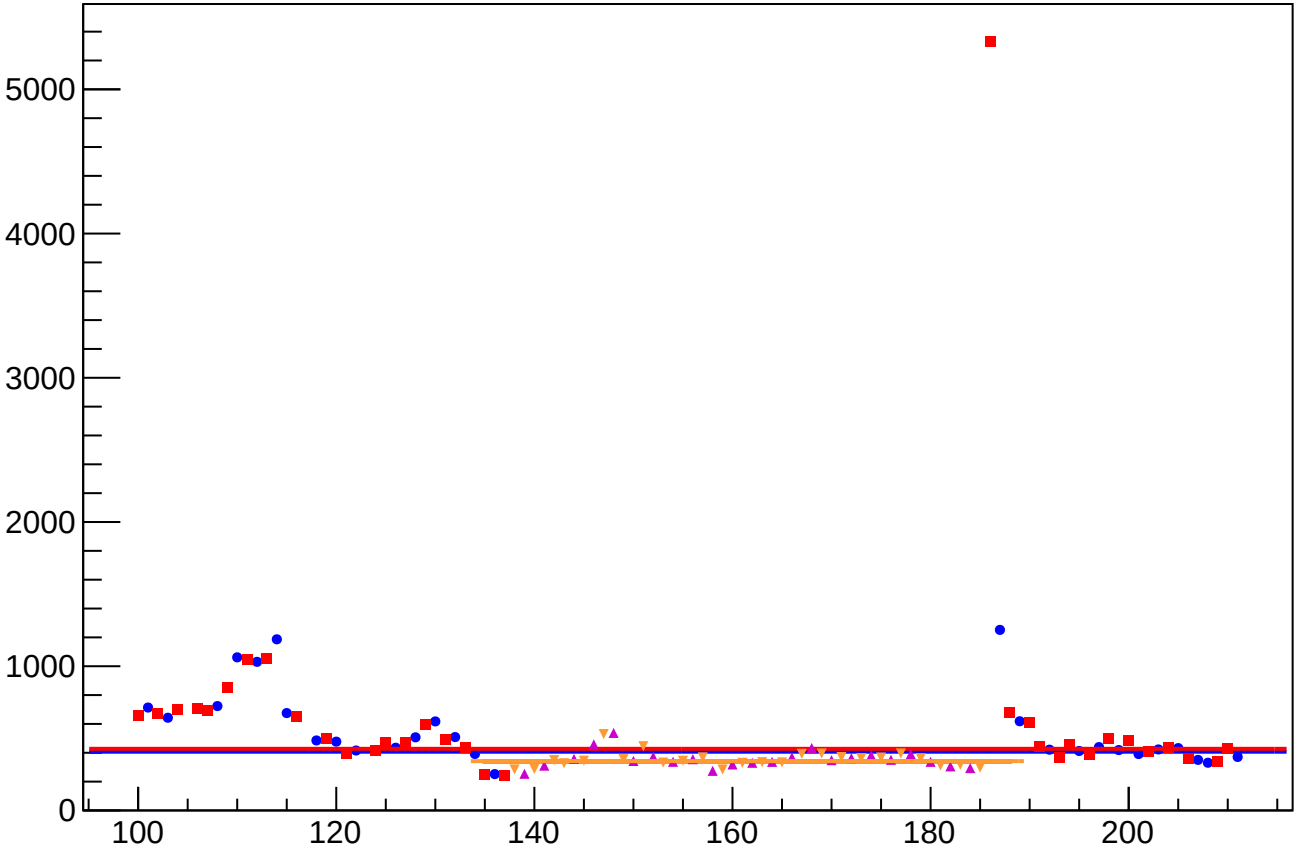
Left In: 16.519+/-80.410 χ^2/NDF:34.9/22

\+ sign -65.453+/-62.877 χ^2/NDF: 49.6/52

All: -17.801+/-44.912 χ^2/NDF: 113.8/108

\- sign 31.835+/-64.172 χ^2/NDF: 63.0/55

asym_sam1_dit_correction_rms vs Slug



Right In: 407.508+/-0.074 χ^2/NDF: 2722184.0/27

Left Out: 341.918+/-0.056 χ^2/NDF:653930.4/24

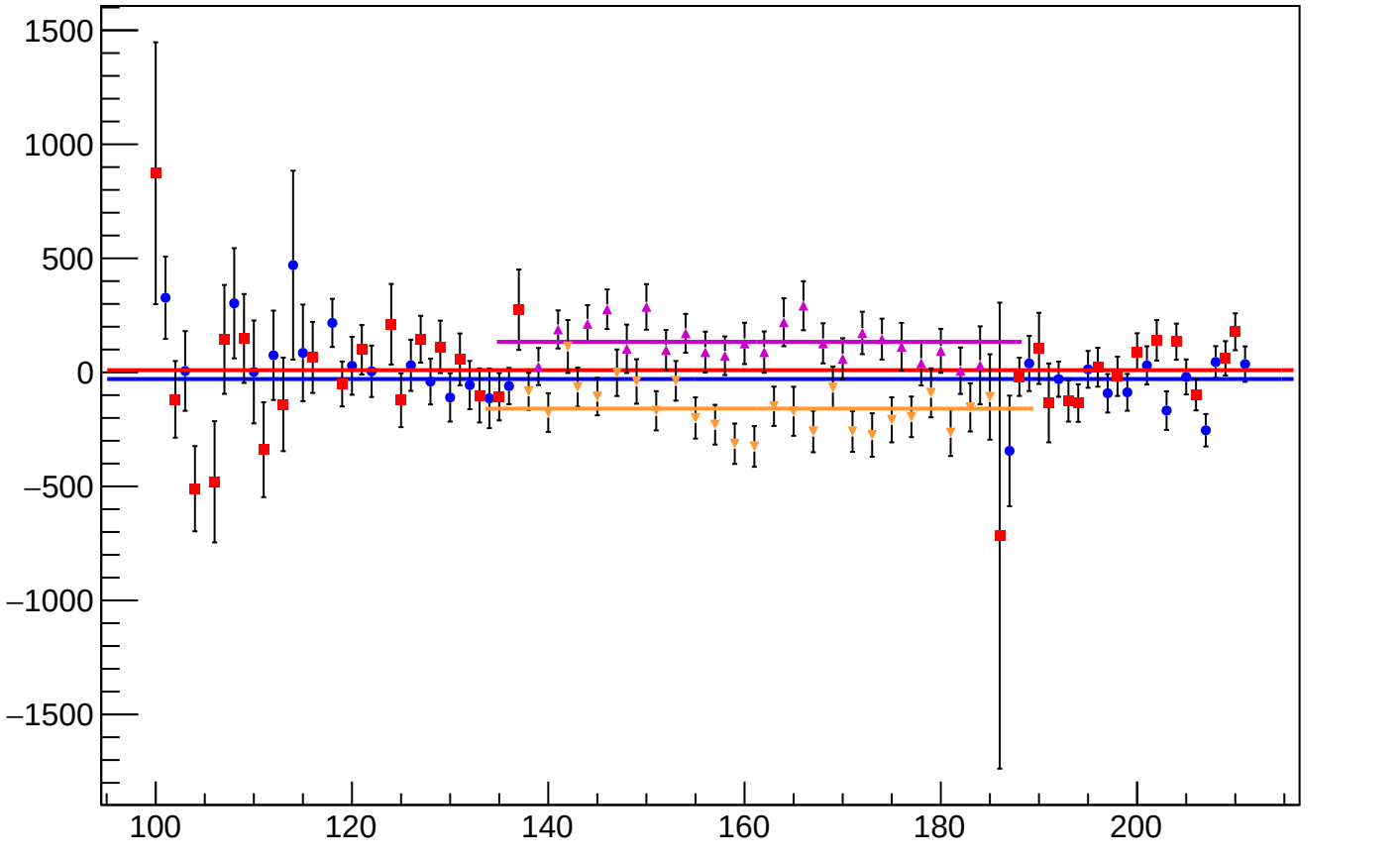
Right Out: 427.370+/-0.075 χ^2/NDF: 3619125.9/32

Left In: 339.430+/-0.057 χ^2/NDF:846706.0/22

+ sign 365.515+/-0.044 χ^2/NDF: 3877397.0/52

All: 368.378+/-0.032 χ^2/NDF: 9220252.2/108

- sign 371.360+/-0.045 χ^2/NDF: 5334390.2/55



Right In: -29.336+/-19.313 χ^2/NDF: 33.5/27

Left Out: -159.223+/-18.749 χ^2/NDF:28.2/24

Right Out: 9.609+/-19.270 χ^2/NDF: 49.1/32

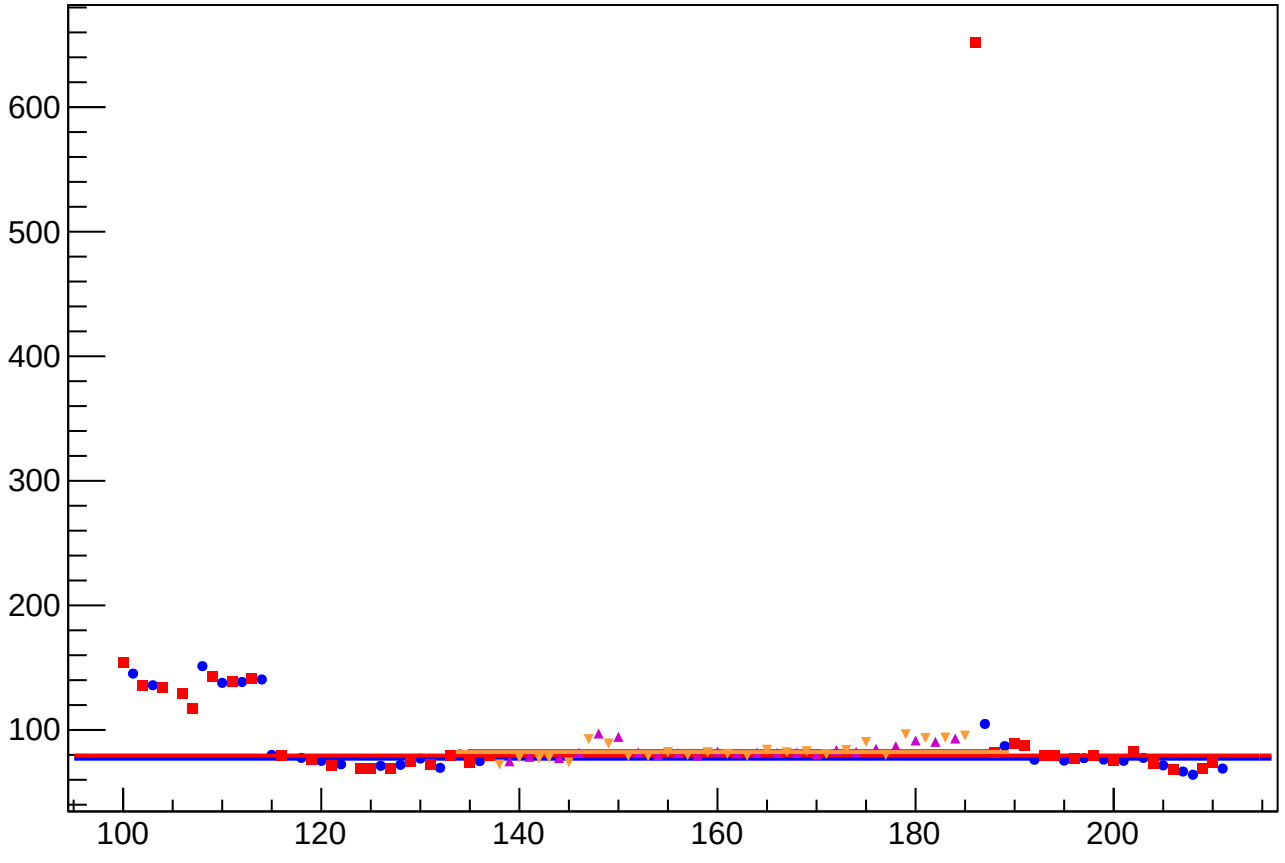
Left In: 134.010+/-19.441 χ^2/NDF:16.4/22

+ sign -96.203+/-13.453 χ^2/NDF: 85.0/52

All: -13.911+/-9.594 χ^2/NDF: 247.3/108

- sign 71.261+/-13.686 χ^2/NDF: 86.2/55

eigen_dit_asym_sam1_rms vs Slug



Right In: 76.970+/-0.014 χ^2/NDF: 1305456.6/27

Left Out: 82.247+/-0.013 χ^2/NDF:216548.5/24

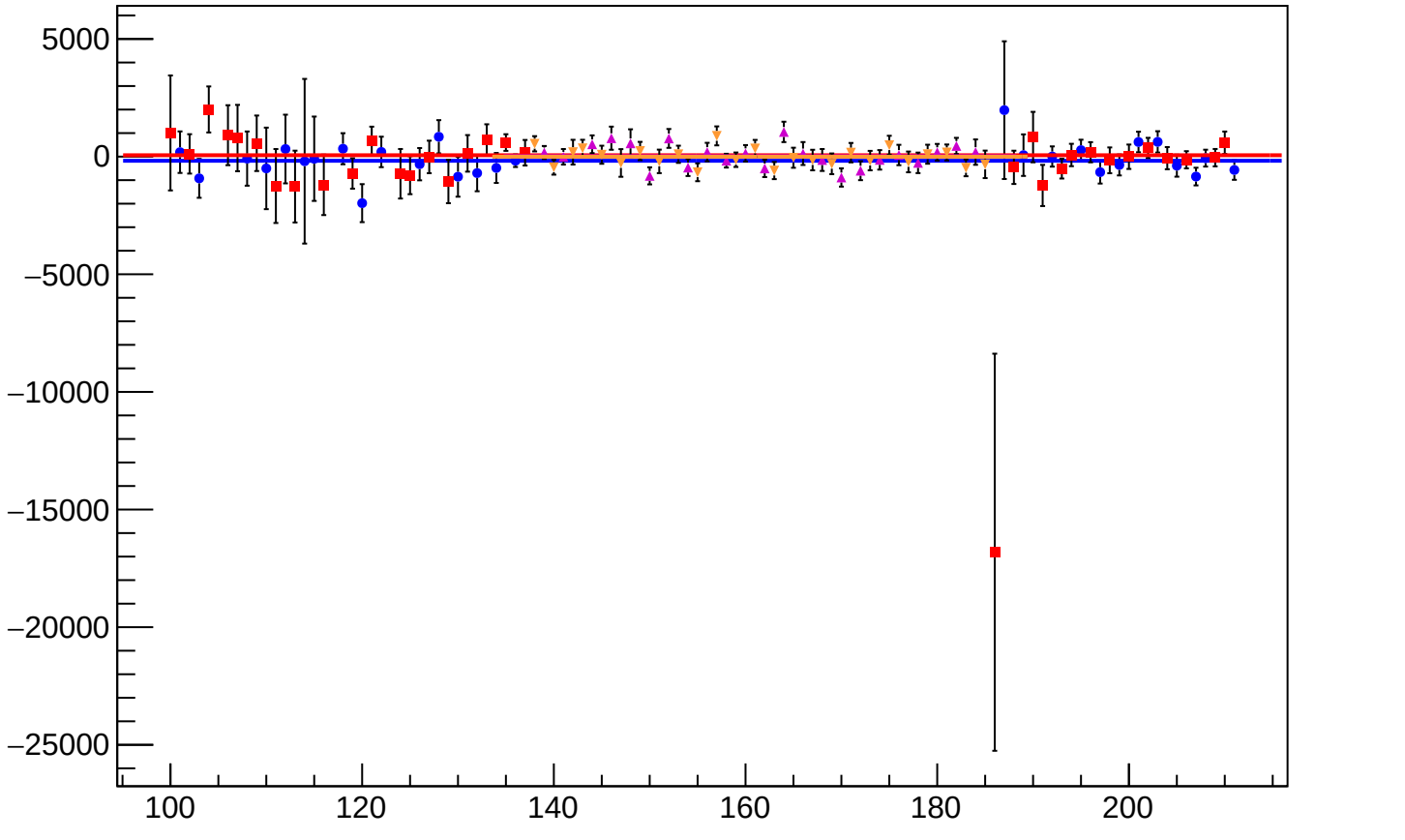
Right Out: 79.466+/-0.014 χ^2/NDF: 1946453.9/32

Left In: 82.993+/-0.014 χ^2/NDF:145607.1/22

+ sign 79.687+/-0.010 χ^2/NDF: 1598891.3/52

All: 80.437+/-0.007 χ^2/NDF: 3736829.0/108

- sign 81.214+/-0.010 χ^2/NDF: 2125270.9/55



Right In: -176.424+/-104.829 χ^2/NDF: 24.3/27

Left Out: -3.094+/-78.582 χ^2/NDF:23.5/24

Right Out: 58.701+/-106.498 χ^2/NDF: 28.0/32

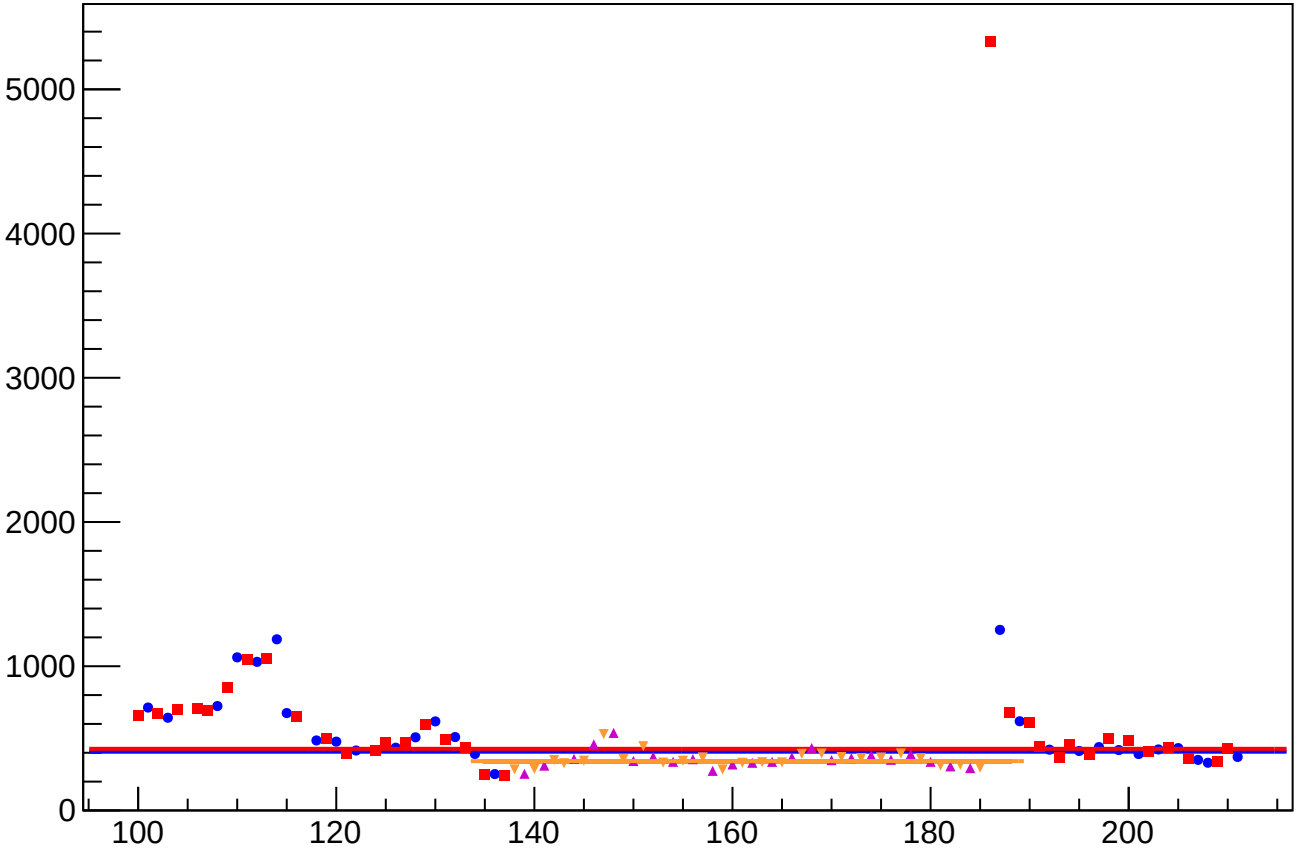
Left In: 16.519+/-80.410 χ^2/NDF:34.9/22

+ sign -65.453+/-62.877 χ^2/NDF: 49.6/52

All: -17.801+/-44.912 χ^2/NDF: 113.8/108

- sign 31.835+/-64.172 χ^2/NDF: 63.0/55

asym_sam1_eigen_dit_correction_rms vs Slug



Right In: 407.507+/-0.074 χ^2/NDF: 2722189.3/27

Left Out: 341.918+/-0.056 χ^2/NDF:653932.3/24

Right Out: 427.369+/-0.075 χ^2/NDF: 3619133.2/32

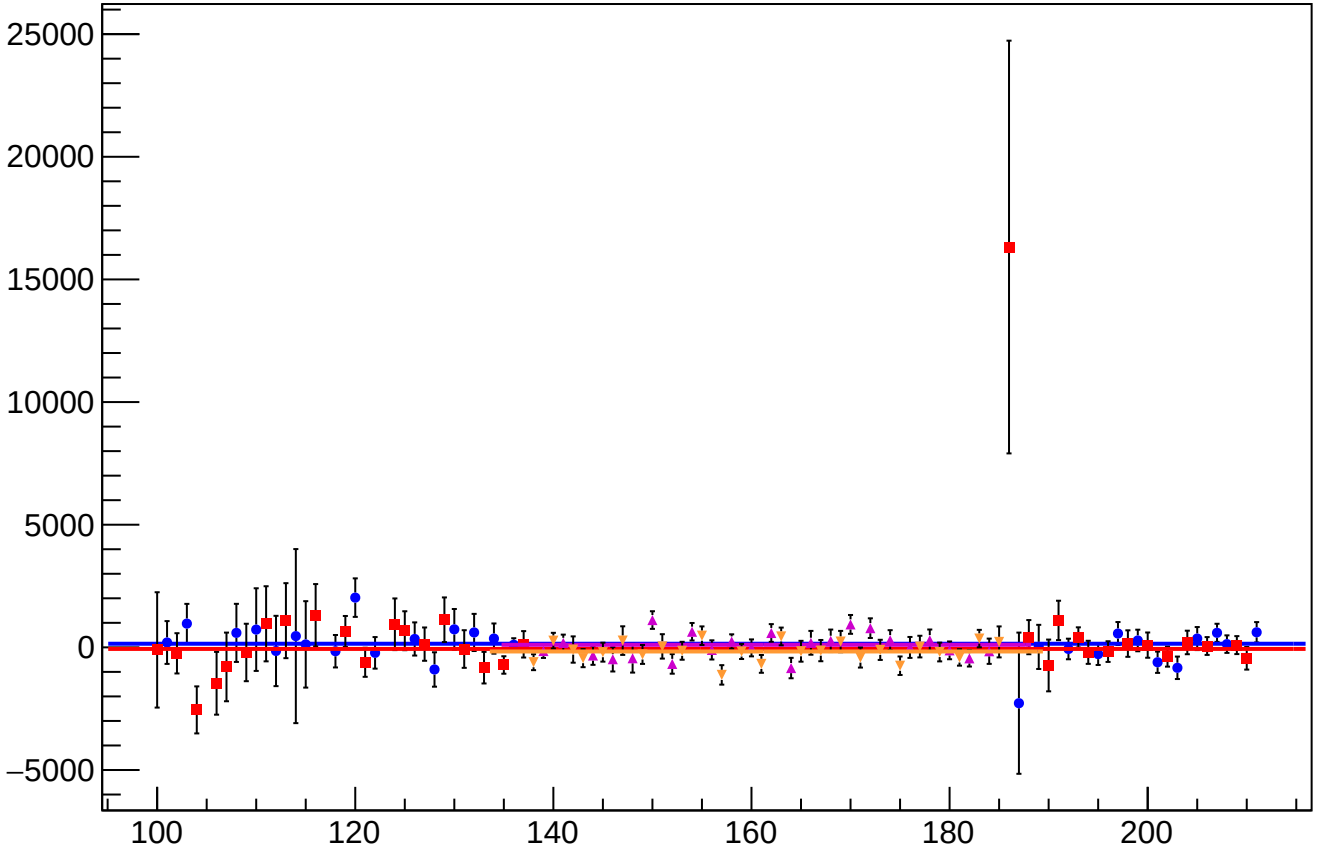
Left In: 339.430+/-0.057 χ^2/NDF:846709.1/22

+ sign 365.514+/-0.044 χ^2/NDF: 3877393.4/52

All: 368.377+/-0.032 χ^2/NDF: 9220243.5/108

- sign 371.359+/-0.045 χ^2/NDF: 5334385.2/55

asym_sam1_mean vs Slug



Right In: 147.488+/-103.833 χ^2/NDF: 24.3/27

Left Out: -167.380+/-78.179 χ^2/NDF:25.6/24

Right Out: -63.486+/-105.003 χ^2/NDF: 31.4/32

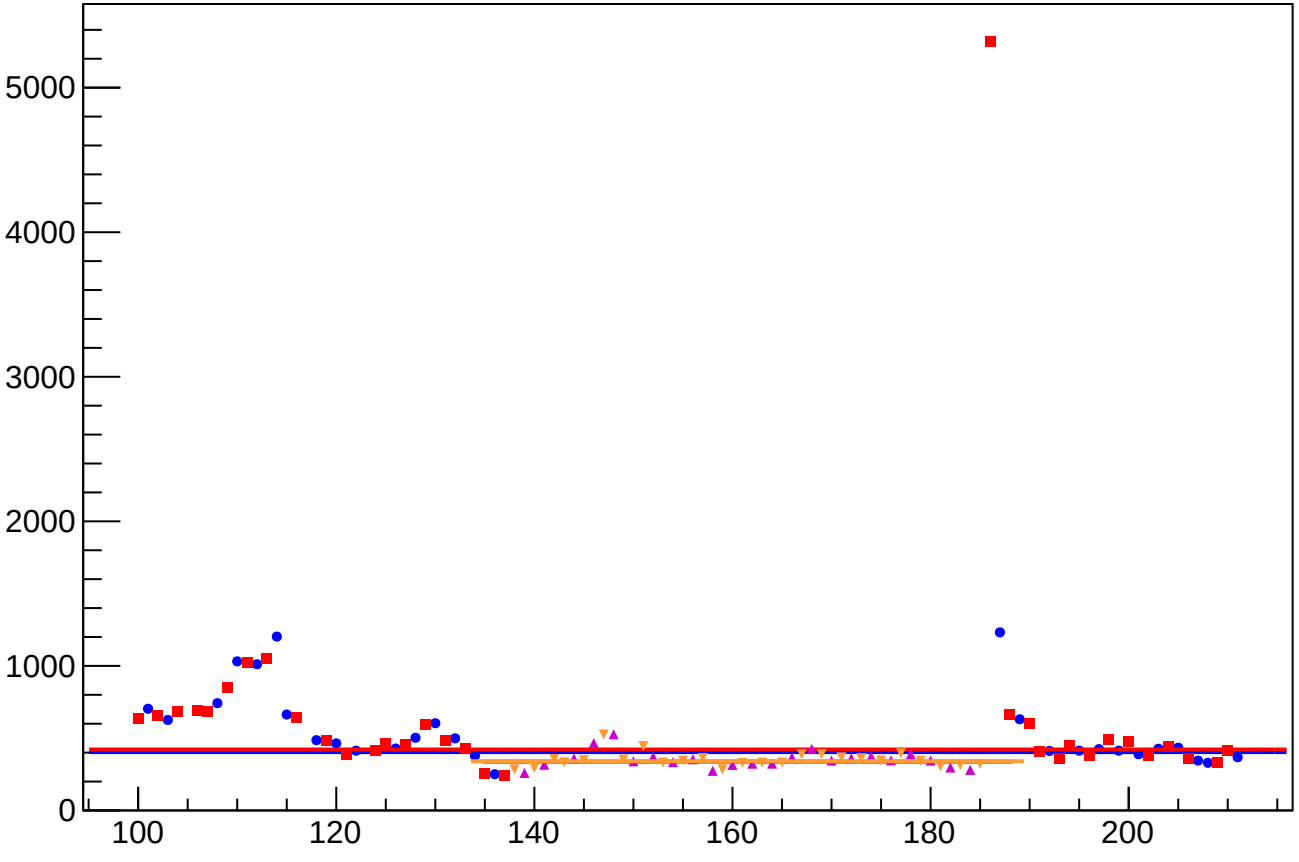
Left In: 104.016+/-79.995 χ^2/NDF:37.5/22

+ sign -53.461+/-62.455 χ^2/NDF: 55.7/52

All: -6.376+/-44.573 χ^2/NDF: 127.4/108

- sign 42.501+/-63.633 χ^2/NDF: 70.5/55

asym_sam1_rms vs Slug



Right In: 403.734+/-0.073 χ^2/NDF: 2700152.2/27

Left Out: 340.391+/-0.055 χ^2/NDF:604155.3/24

Right Out: 421.686+/-0.074 χ^2/NDF: 3565501.9/32

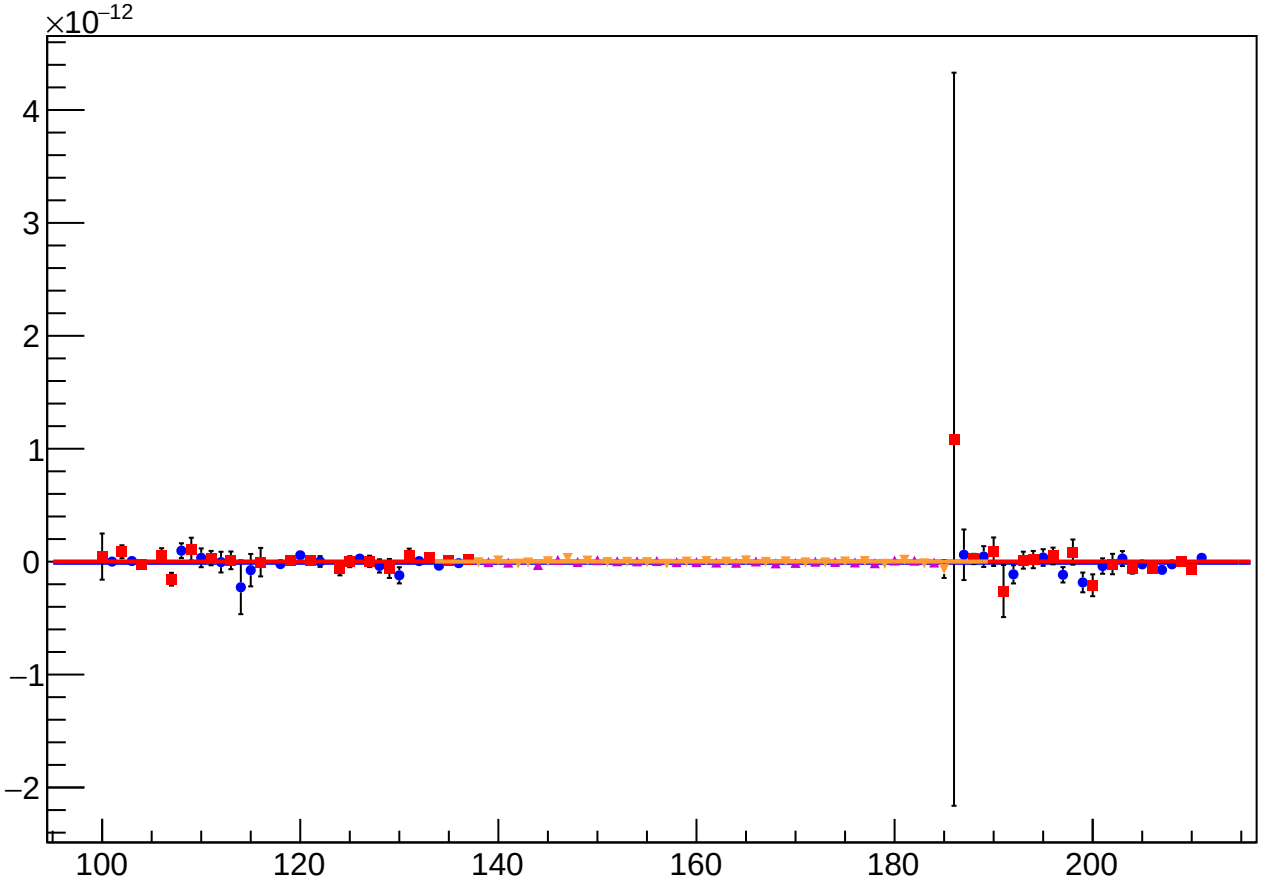
Left In: 337.759+/-0.057 χ^2/NDF:820674.4/22

+ sign 363.308+/-0.044 χ^2/NDF: 3779318.3/52

All: 365.895+/-0.032 χ^2/NDF: 8980960.7/108

- sign 368.581+/-0.045 χ^2/NDF: 5194648.3/55

asym_sam1_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 32.0/27

Left Out: 0.000+/-0.000 χ^2/NDF:16.2/24

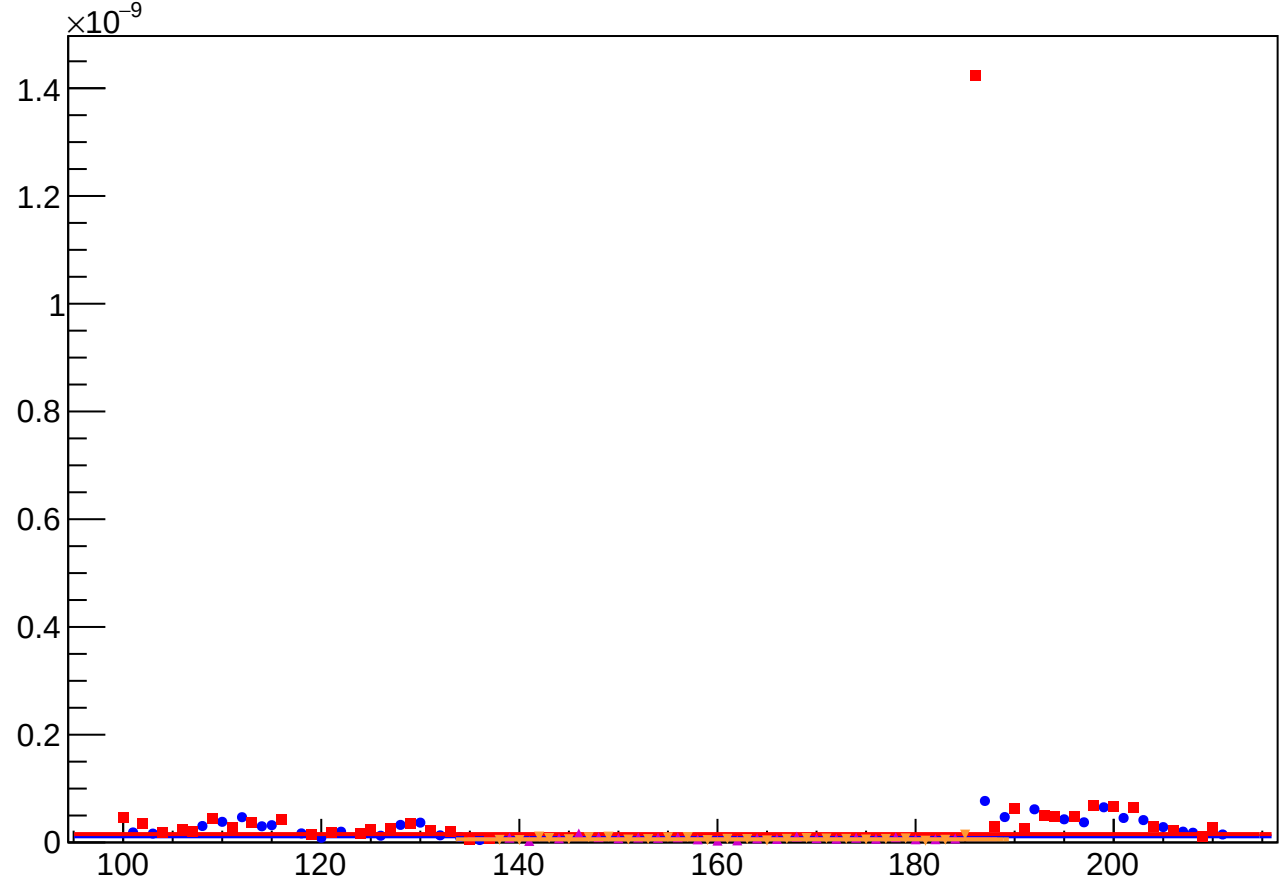
Right Out: 0.000+/-0.000 χ^2/NDF: 34.0/32

Left In: -0.000+/-0.000 χ^2/NDF:11.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 51.7/52

All: -0.000+/-0.000 χ^2/NDF: 98.7/108

- sign -0.000+/-0.000 χ^2/NDF: 46.4/55



Right In: 0.000+/-0.000 χ^2/NDF: 7387739.6/27

Left Out: 0.000+/-0.000 χ^2/NDF:1155947.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7278405.7/32

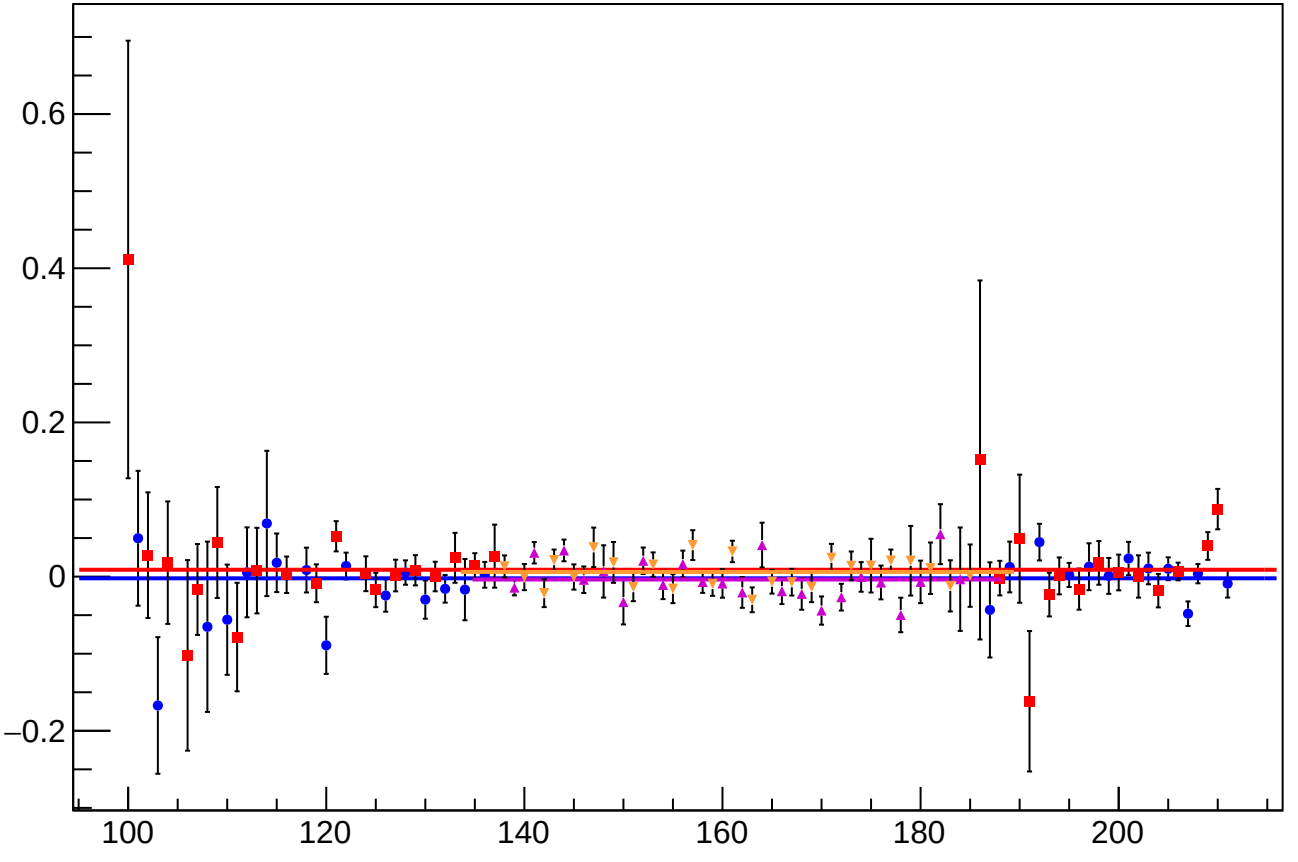
Left In: 0.000+/-0.000 χ^2/NDF:1970663.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 10248304.0/52

All: 0.000+/-0.000 χ^2/NDF: 22772709.0/108

- sign 0.000+/-0.000 χ^2/NDF: 12417100.8/55

asym_sam1_dit_vs_cor_diff_mean vs Slug



Right In: -0.002+/-0.004 χ^2/NDF: 31.5/27

Left Out: 0.006+/-0.004 χ^2/NDF:26.7/24

Right Out: 0.009+/-0.004 χ^2/NDF: 33.0/32

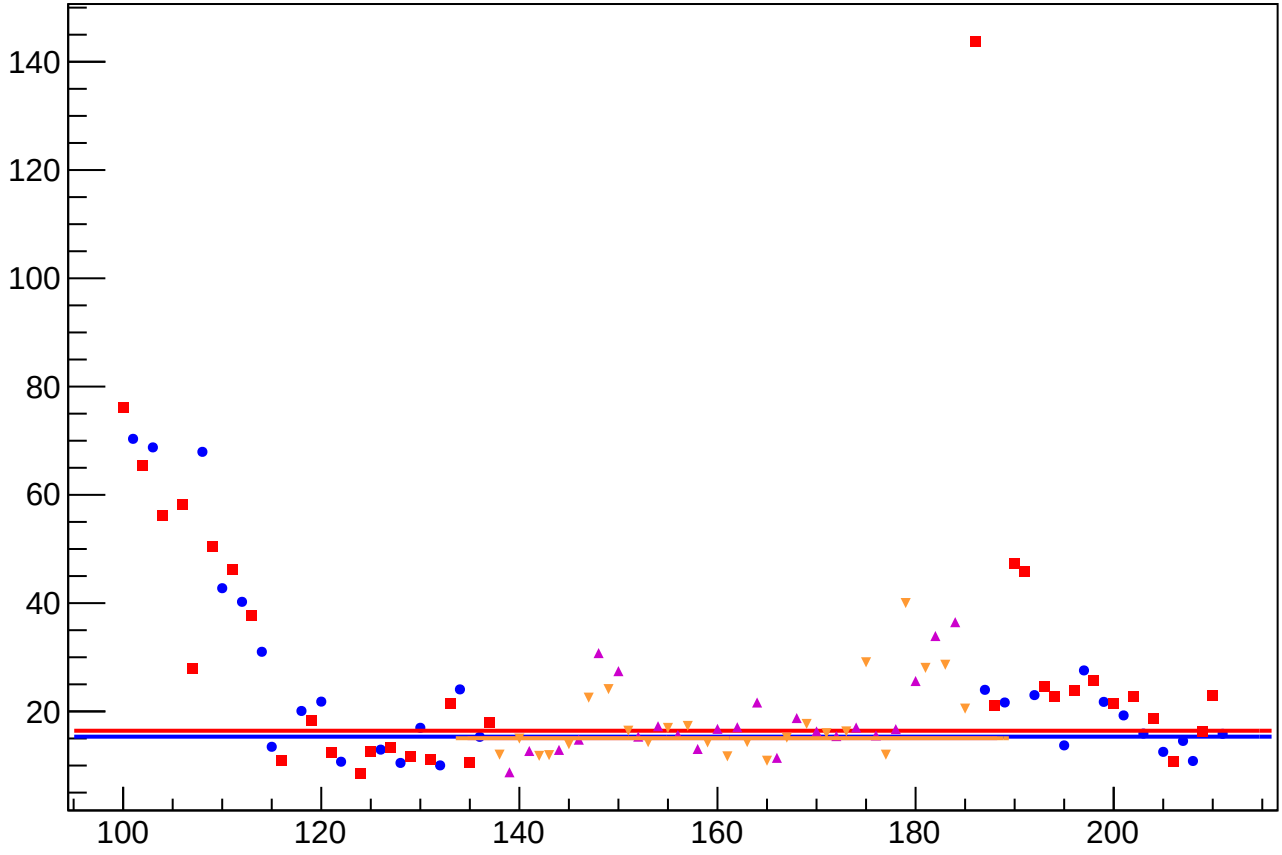
Left In: -0.004+/-0.004 χ^2/NDF:37.1/22

+ sign 0.003+/-0.003 χ^2/NDF: 60.3/52

All: 0.002+/-0.002 χ^2/NDF: 135.1/108

- sign 0.002+/-0.003 χ^2/NDF: 74.8/55

asym_sam1_dit_vs_cor_diff_rms vs Slug



Right In: 15.334+/-0.003 χ^2/NDF: 4666318.5/27

Left Out: 15.046+/-0.003 χ^2/NDF:2758075.6/24

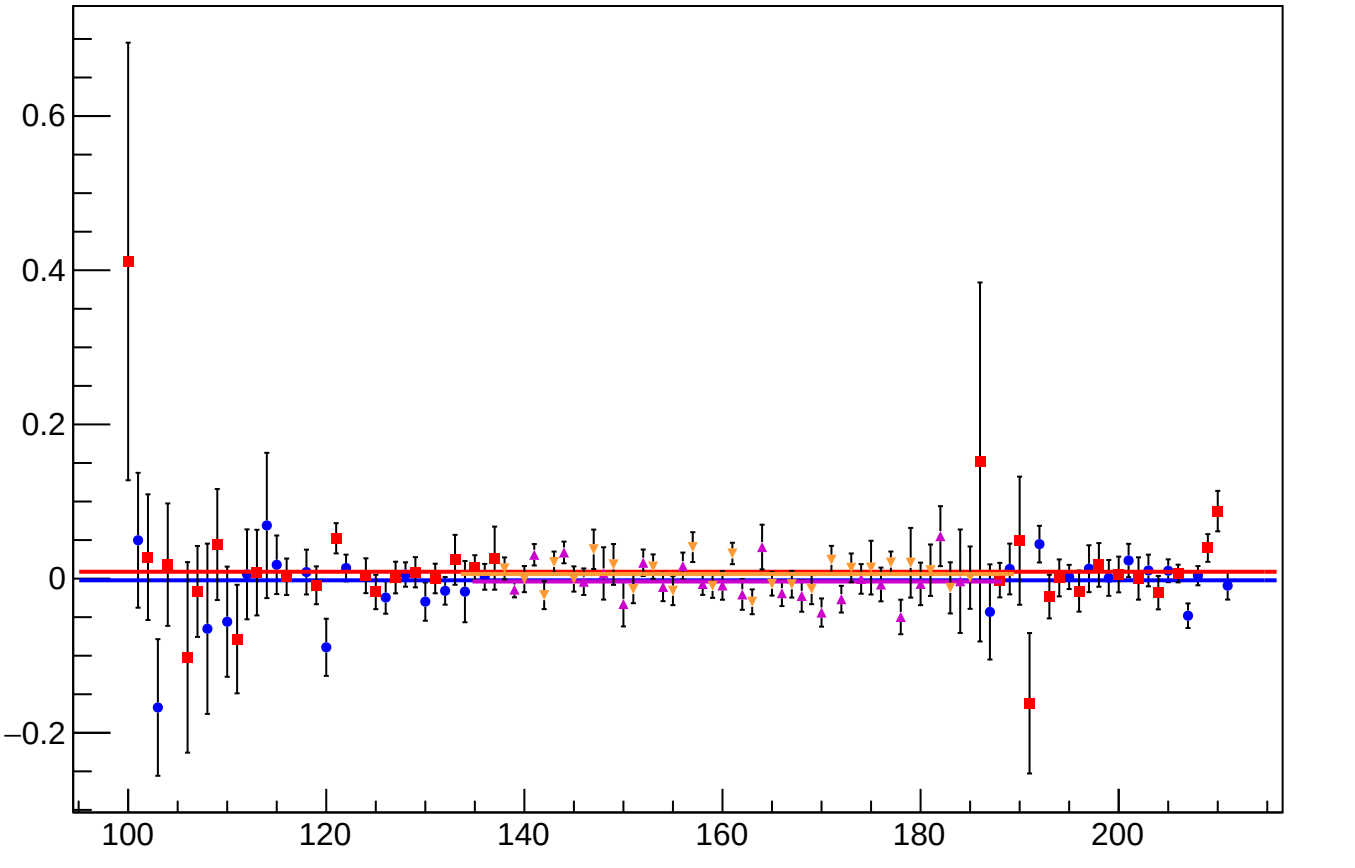
Right Out: 16.429+/-0.003 χ^2/NDF: 6546311.1/32

Left In: 15.068+/-0.003 χ^2/NDF:3066591.4/22

+ sign 15.168+/-0.002 χ^2/NDF: 7429567.4/52

All: 15.396+/-0.001 χ^2/NDF: 17176858.6/108

- sign 15.643+/-0.002 χ^2/NDF: 9719541.5/55



Right In: -0.002+/-0.004 χ^2/NDF: 31.5/27

Left Out: 0.006+/-0.004 χ^2/NDF:26.7/24

Right Out: 0.009+/-0.004 χ^2/NDF: 33.0/32

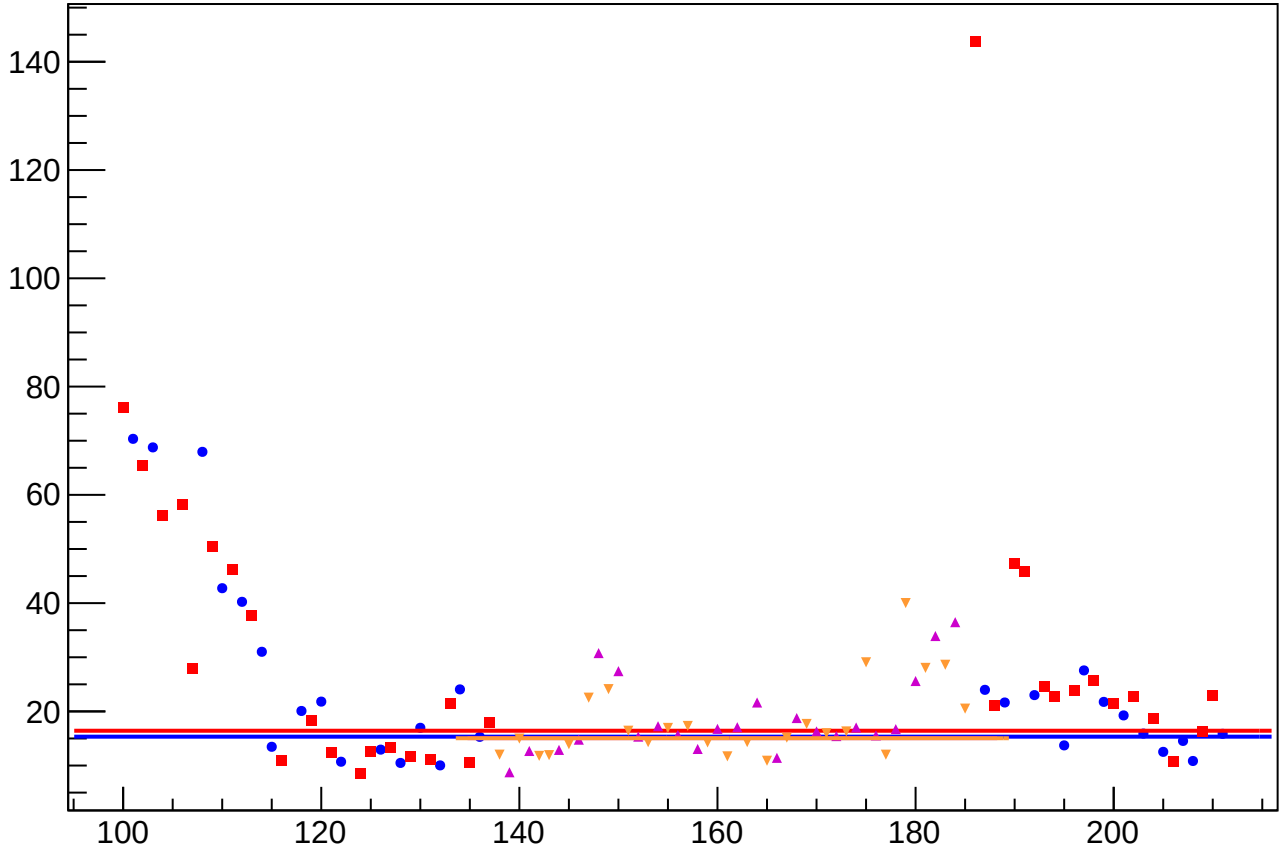
Left In: -0.004+/-0.004 χ^2/NDF:37.1/22

+ sign 0.003+/-0.003 χ^2/NDF: 60.3/52

All: 0.002+/-0.002 χ^2/NDF: 135.1/108

- sign 0.002+/-0.003 χ^2/NDF: 74.8/55

asym_sam1_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 15.334+/-0.003 χ^2/NDF: 4666318.5/27

Left Out: 15.046+/-0.003 χ^2/NDF:2758075.6/24

Right Out: 16.429+/-0.003 χ^2/NDF: 6546311.1/32

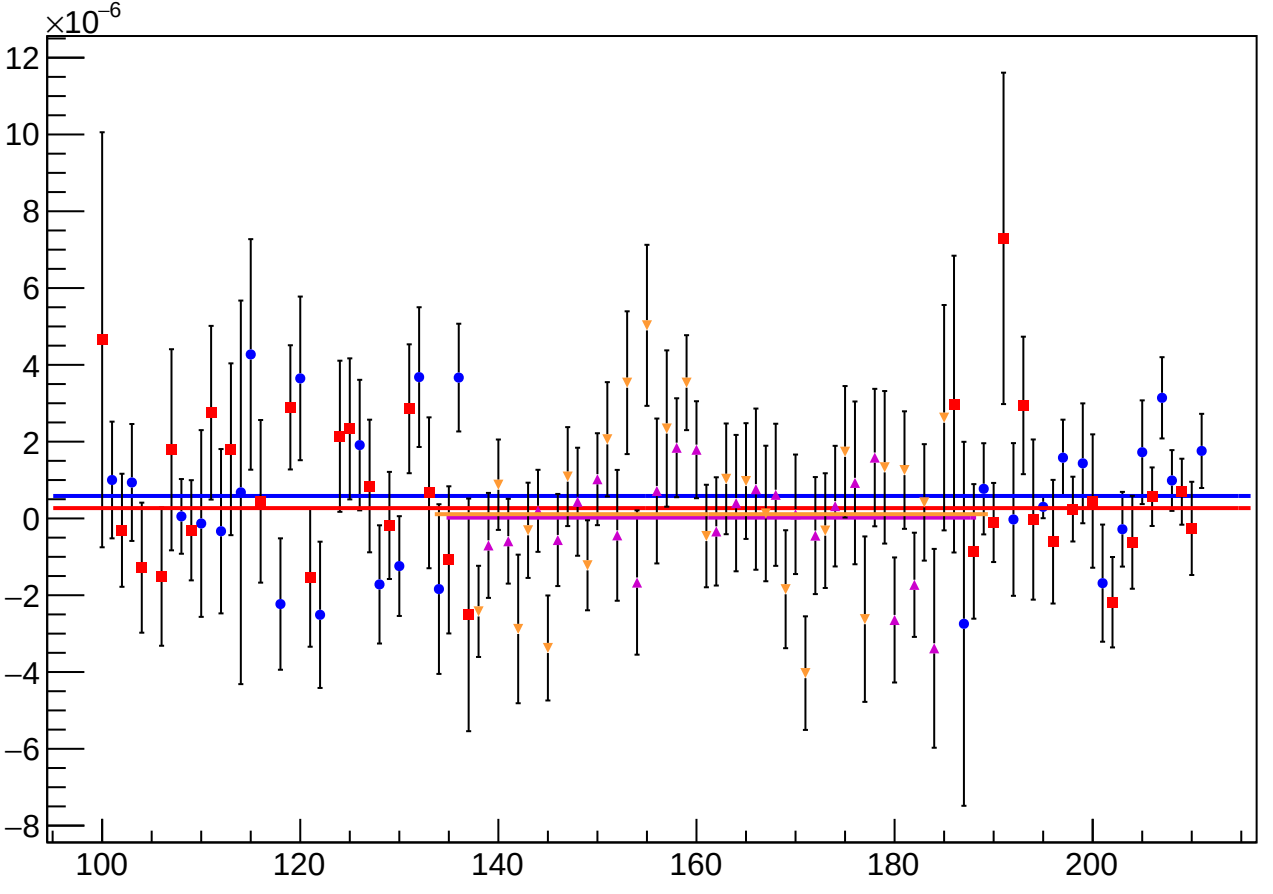
Left In: 15.068+/-0.003 χ^2/NDF:3066591.4/22

+ sign 15.168+/-0.002 χ^2/NDF: 7429567.4/52

All: 15.396+/-0.001 χ^2/NDF: 17176858.6/108

- sign 15.643+/-0.002 χ^2/NDF: 9719541.5/55

asym_sam1_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 37.5/27

Left Out: 0.000+/-0.000 χ^2/NDF:50.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 26.3/32

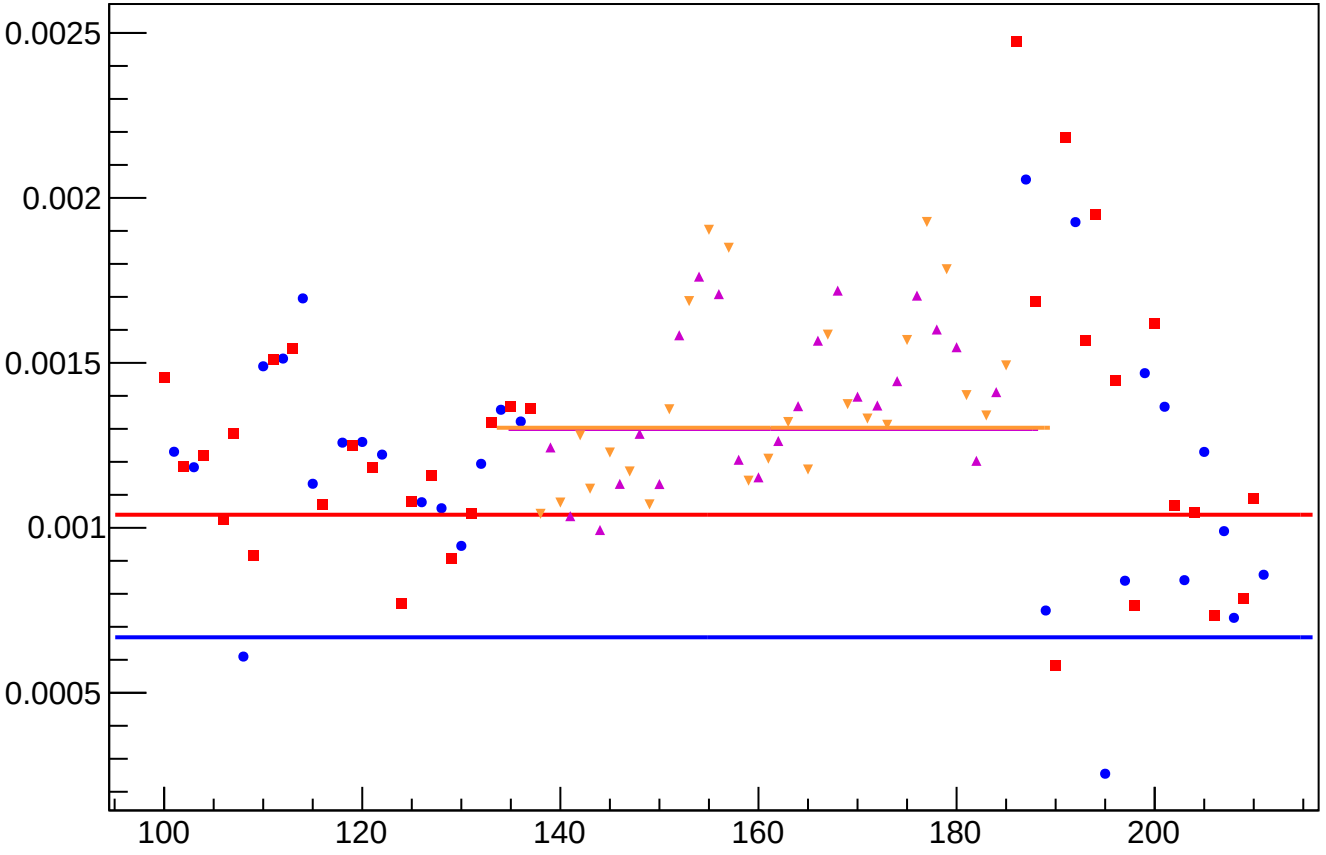
Left In: 0.000+/-0.000 χ^2/NDF:14.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 89.2/52

All: 0.000+/-0.000 χ^2/NDF: 131.1/108

- sign 0.000+/-0.000 χ^2/NDF: 40.8/55

asym_sam1_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 9453695.6/27

Left Out: 0.001+/-0.000 χ^2/NDF:1181536.6/24

Right Out: 0.001+/-0.000 χ^2/NDF: 3206912.6/32

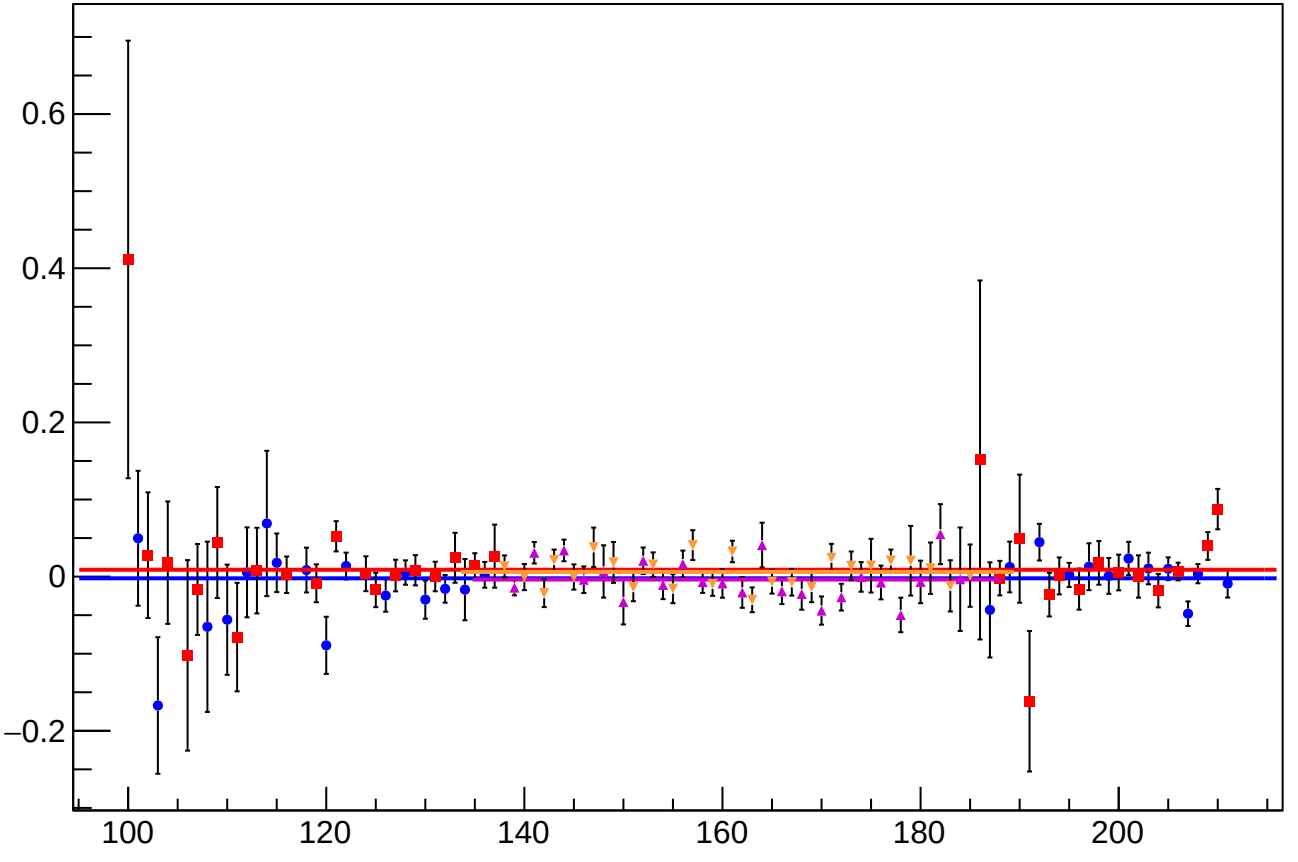
Left In: 0.001+/-0.000 χ^2/NDF:1026052.2/22

+ sign 0.001+/-0.000 χ^2/NDF: 16806358.6/52

All: 0.001+/-0.000 χ^2/NDF: 24295120.9/108

- sign 0.001+/-0.000 χ^2/NDF: 5060983.1/55

asym_sam1_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.002+/-0.004 χ^2/NDF: 31.5/27

Left Out: 0.006+/-0.004 χ^2/NDF:26.7/24

Right Out: 0.009+/-0.004 χ^2/NDF: 33.0/32

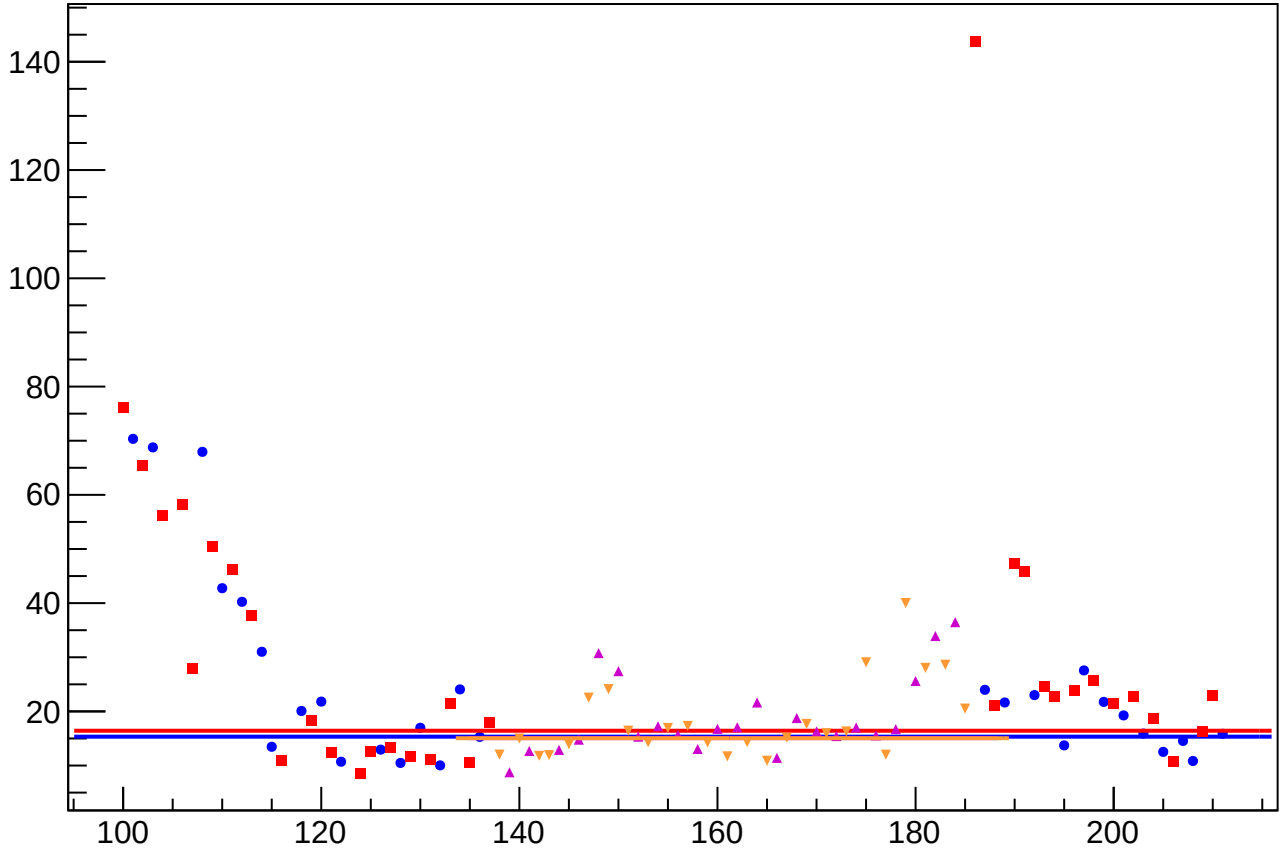
Left In: -0.004+/-0.004 χ^2/NDF:37.1/22

+ sign 0.003+/-0.003 χ^2/NDF: 60.3/52

All: 0.002+/-0.002 χ^2/NDF: 135.1/108

- sign 0.002+/-0.003 χ^2/NDF: 74.8/55

asym_sam1_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 15.333+/-0.003 χ^2/NDF: 4666328.9/27

Left Out: 15.046+/-0.003 χ^2/NDF:2758285.3/24

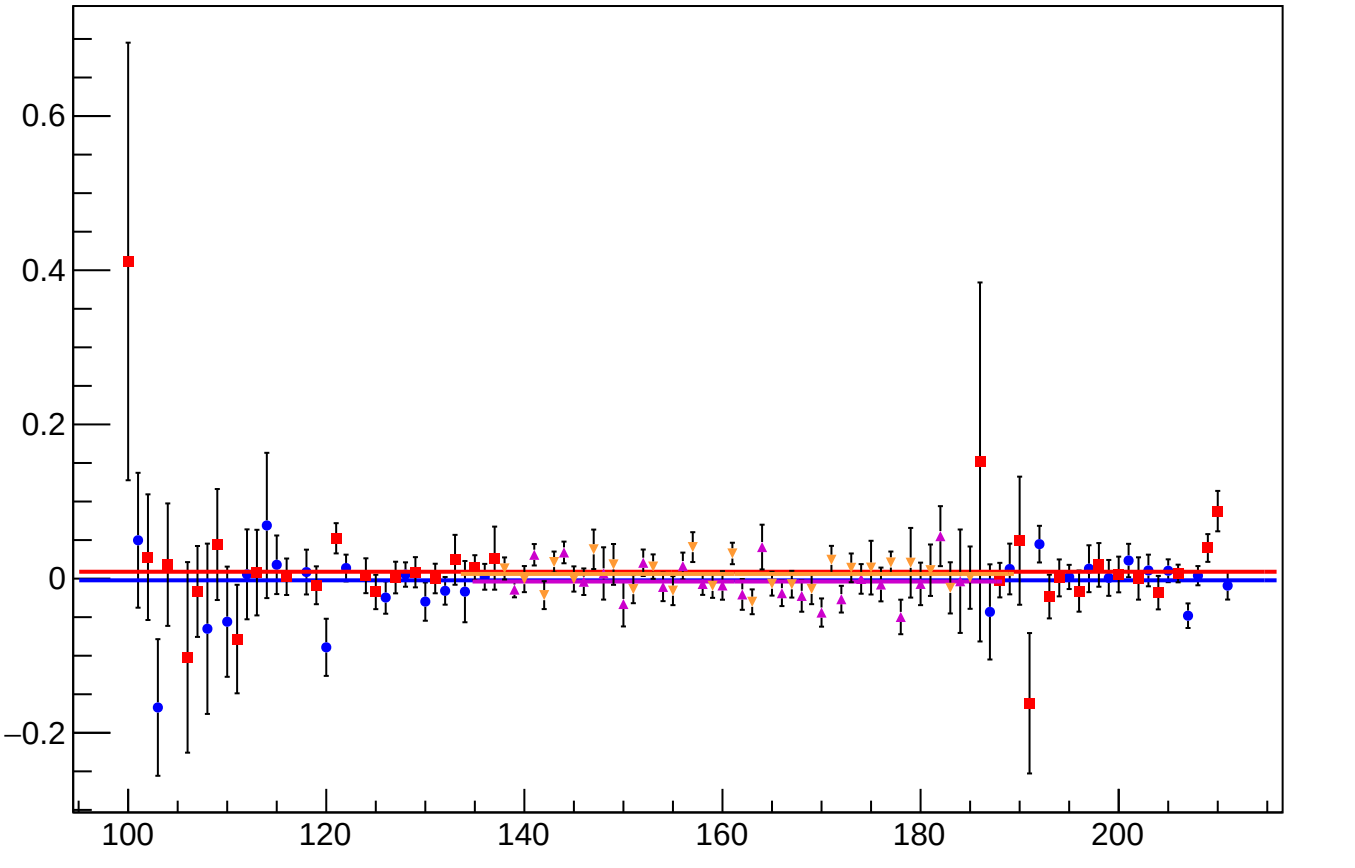
Right Out: 16.428+/-0.003 χ^2/NDF: 6546273.9/32

Left In: 15.067+/-0.003 χ^2/NDF:3066635.3/22

+ sign 15.168+/-0.002 χ^2/NDF: 7429785.2/52

All: 15.396+/-0.001 χ^2/NDF: 17177085.1/108

- sign 15.643+/-0.002 χ^2/NDF: 9719541.1/55



Right In: -0.002+/-0.004 χ^2/NDF: 31.5/27

Left Out: 0.006+/-0.004 χ^2/NDF:26.7/24

Right Out: 0.009+/-0.004 χ^2/NDF: 33.0/32

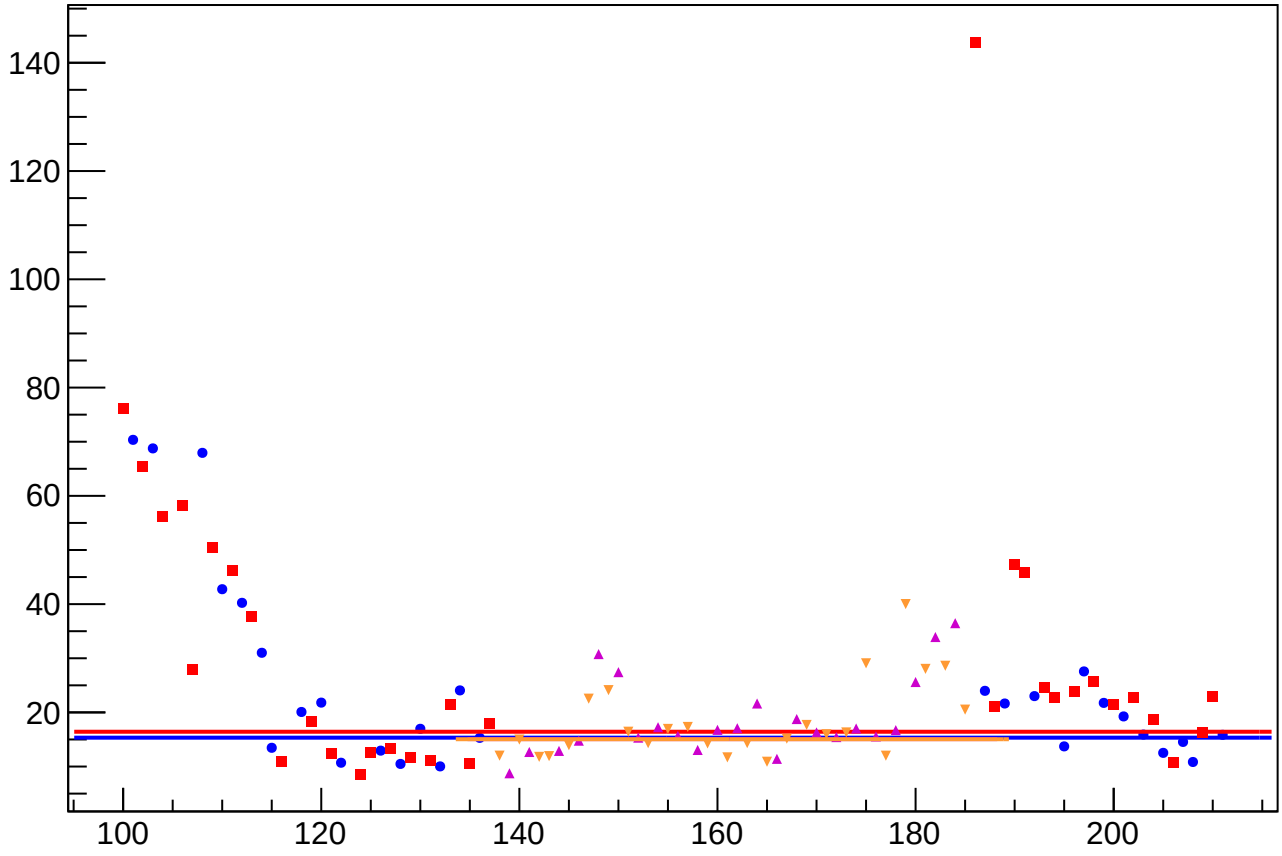
Left In: -0.004+/-0.004 χ^2/NDF:37.1/22

+ sign 0.003+/-0.003 χ^2/NDF: 60.3/52

All: 0.002+/-0.002 χ^2/NDF: 135.1/108

- sign 0.002+/-0.003 χ^2/NDF: 74.8/55

asym_sam1_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 15.333+/-0.003 χ^2/NDF: 4666328.9/27

Left Out: 15.046+/-0.003 χ^2/NDF:2758285.3/24

Right Out: 16.428+/-0.003 χ^2/NDF: 6546273.9/32

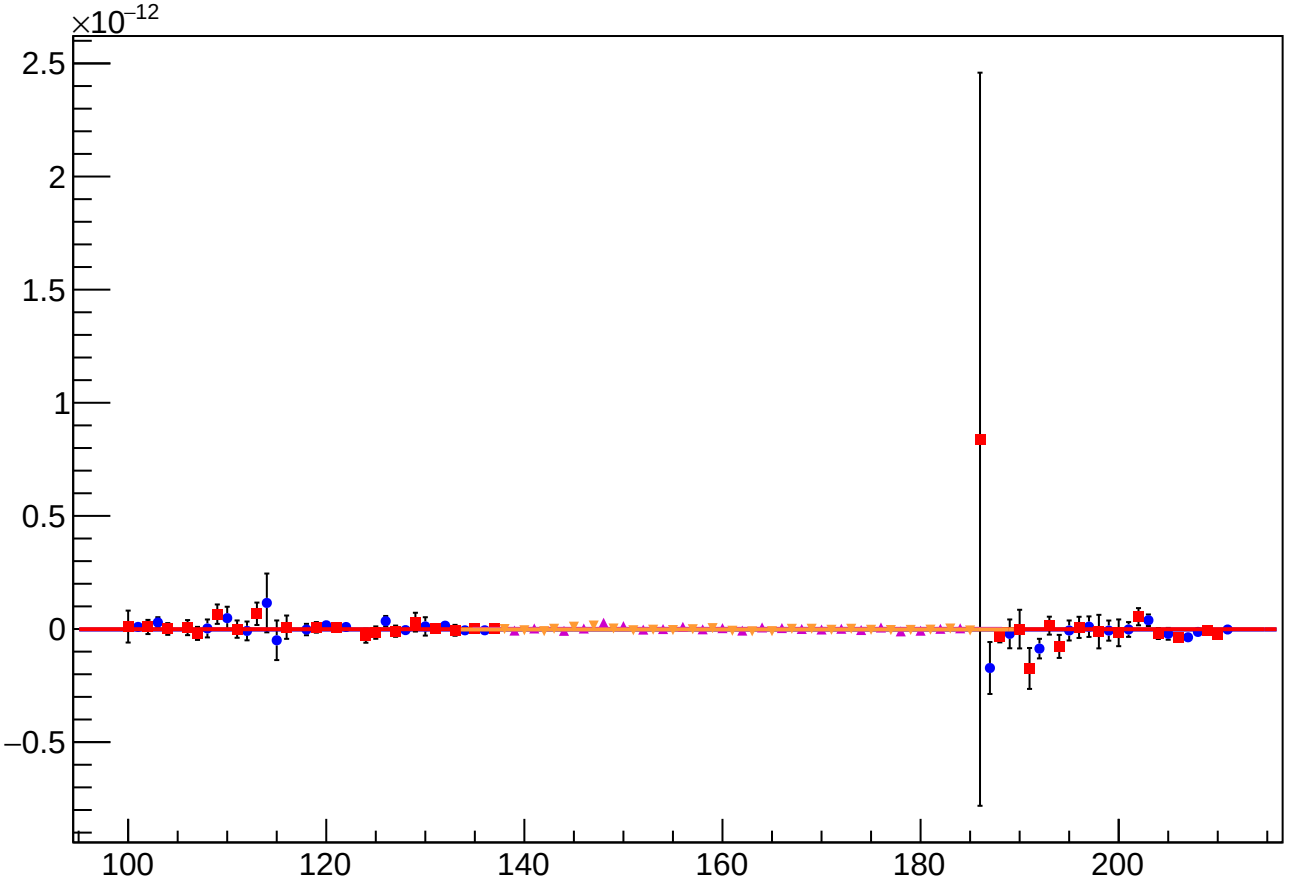
Left In: 15.067+/-0.003 χ^2/NDF:3066635.3/22

+ sign 15.168+/-0.002 χ^2/NDF: 7429785.2/52

All: 15.396+/-0.001 χ^2/NDF: 17177085.1/108

- sign 15.643+/-0.002 χ^2/NDF: 9719541.1/55

asym_sam1_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 22.9/27

Left Out: -0.000+/-0.000 χ^2/NDF:15.2/24

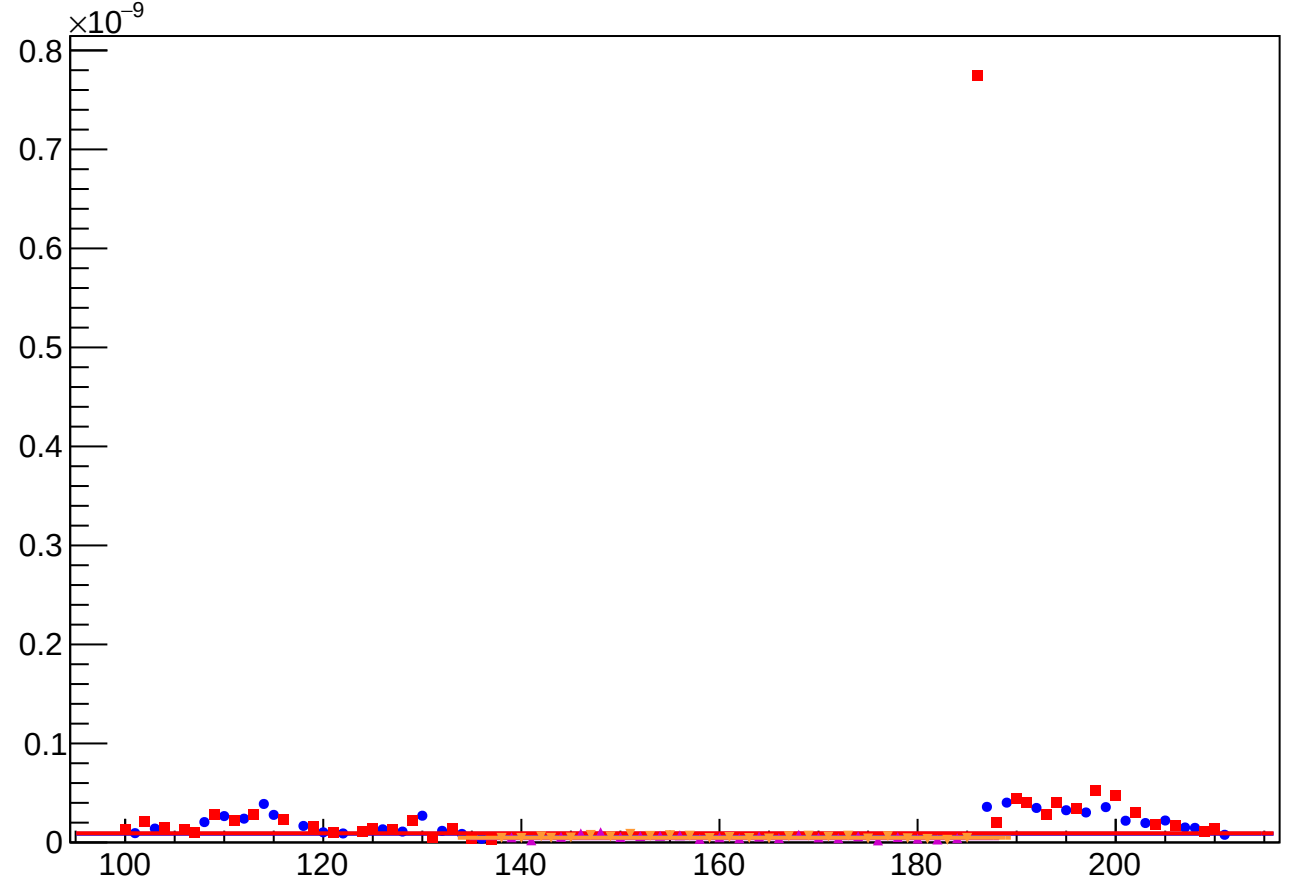
Right Out: -0.000+/-0.000 χ^2/NDF: 23.7/32

Left In: 0.000+/-0.000 χ^2/NDF:21.3/22

+ sign -0.000+/-0.000 χ^2/NDF: 38.1/52

All: -0.000+/-0.000 χ^2/NDF: 85.1/108

- sign 0.000+/-0.000 χ^2/NDF: 45.2/55



Right In: 0.000+/-0.000 χ^2/NDF: 8809465.7/27

Left Out: 0.000+/-0.000 χ^2/NDF:2098495.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 11060418.3/32

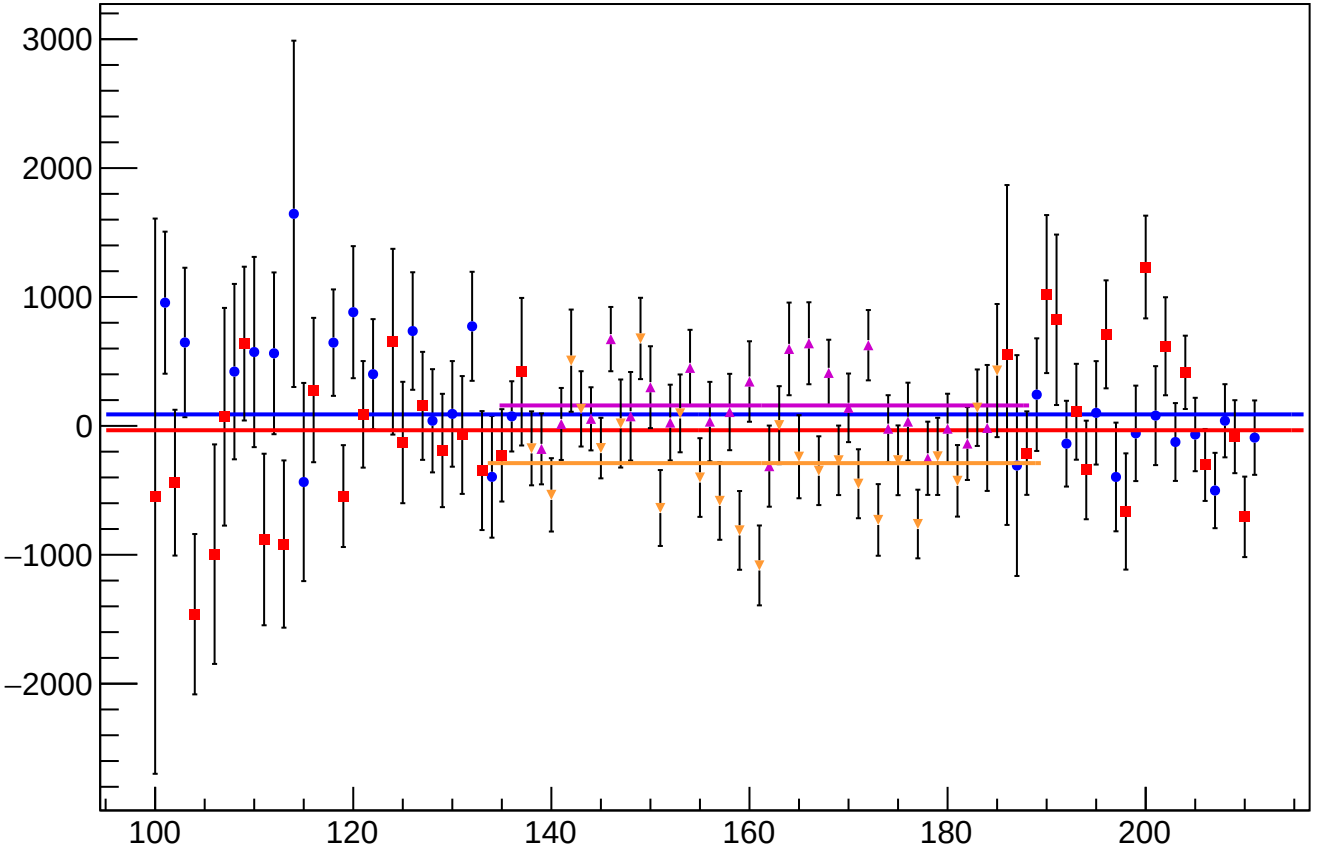
Left In: 0.000+/-0.000 χ^2/NDF:3526134.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 13381277.2/52

All: 0.000+/-0.000 χ^2/NDF: 31582449.8/108

- sign 0.000+/-0.000 χ^2/NDF: 18074646.1/55

reg_asym_sam2_mean vs Slug



Right In: 89.203+/-76.304 χ^2/NDF: 24.5/27

Left Out: -288.924+/-59.035 χ^2/NDF:42.4/24

Right Out: -33.851+/-76.672 χ^2/NDF: 48.8/32

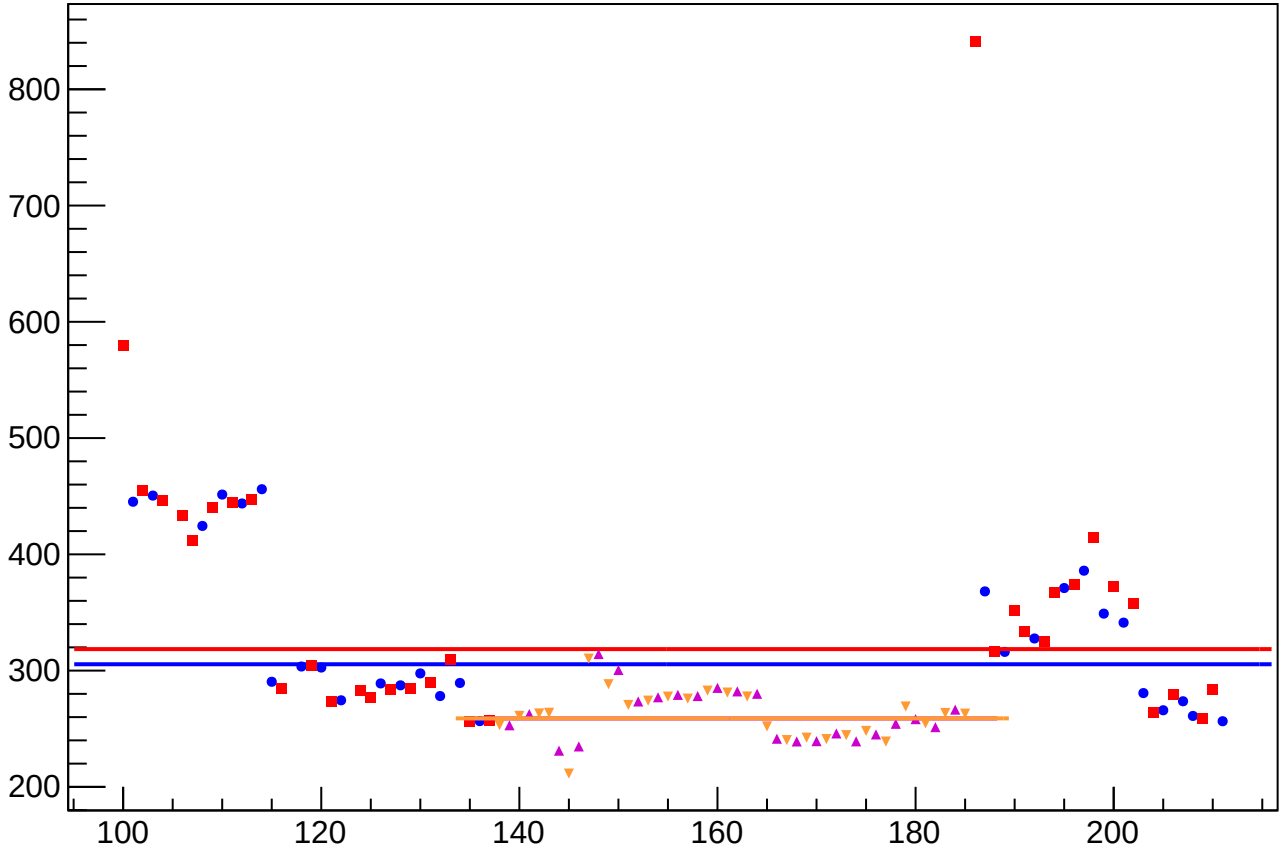
Left In: 158.601+/-60.708 χ^2/NDF:22.5/22

+ sign -147.336+/-46.692 χ^2/NDF: 82.3/52

All: -33.667+/-33.331 χ^2/NDF: 169.5/108

- sign 84.441+/-47.595 χ^2/NDF: 75.2/55

reg_asym_sam2_rms vs Slug



Right In: 305.469+/-0.054 χ^2/NDF: 984217.5/27

Left Out: 258.912+/-0.042 χ^2/NDF:248740.9/24

Right Out: 318.497+/-0.054 χ^2/NDF: 1461750.1/32

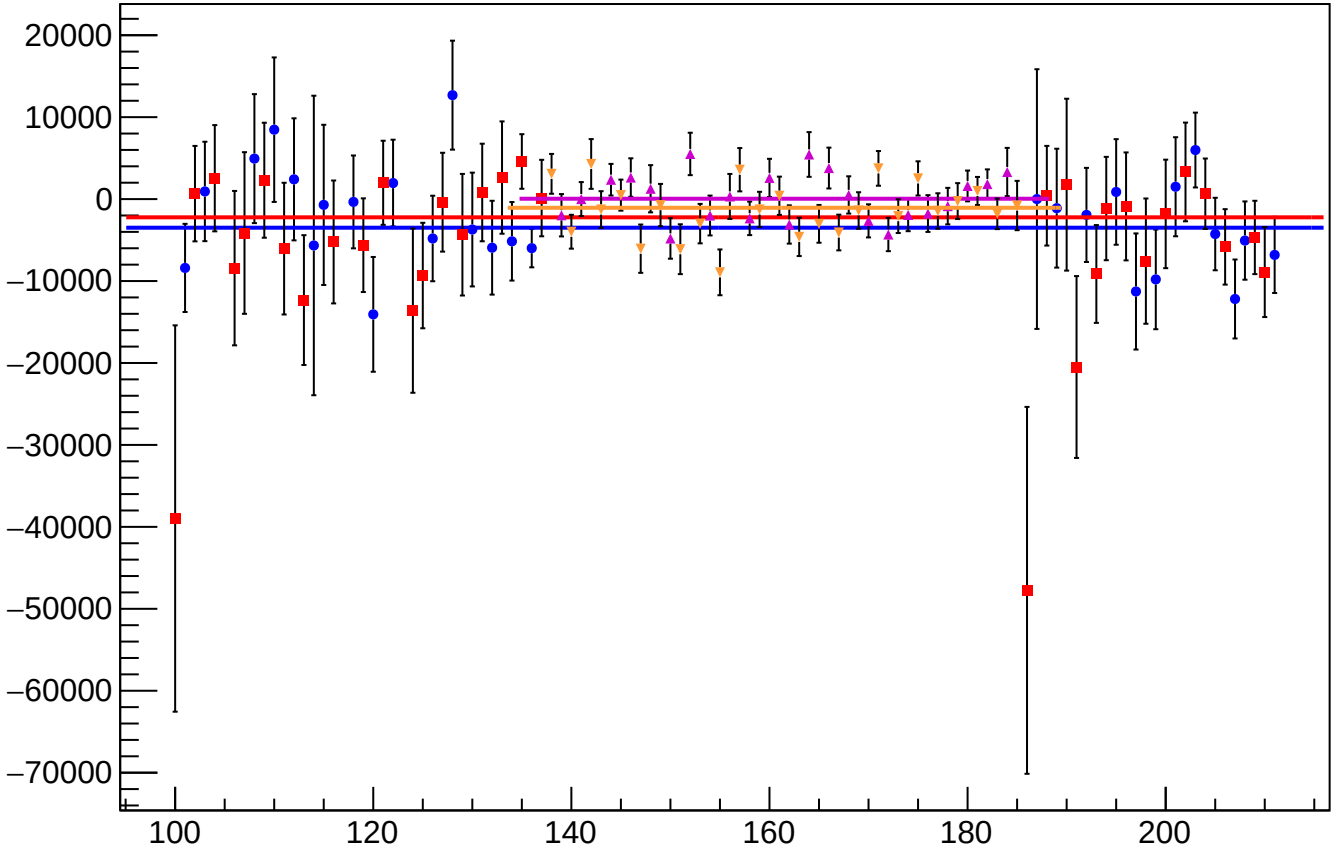
Left In: 258.843+/-0.043 χ^2/NDF:244953.3/22

+ sign 276.345+/-0.033 χ^2/NDF: 1698735.8/52

All: 279.035+/-0.024 χ^2/NDF: 4163148.3/108

- sign 281.830+/-0.034 χ^2/NDF: 2450876.7/55

asym_sam2_reg_correction_mean vs Slug



Right In: -3491.000+/-1037.196 χ^2/NDF: 28.0/27

Left Out: -1059.229+/-454.653 χ^2/NDF:41.5/24

Right Out: -2224.006+/-1081.861 χ^2/NDF: 27.8/32

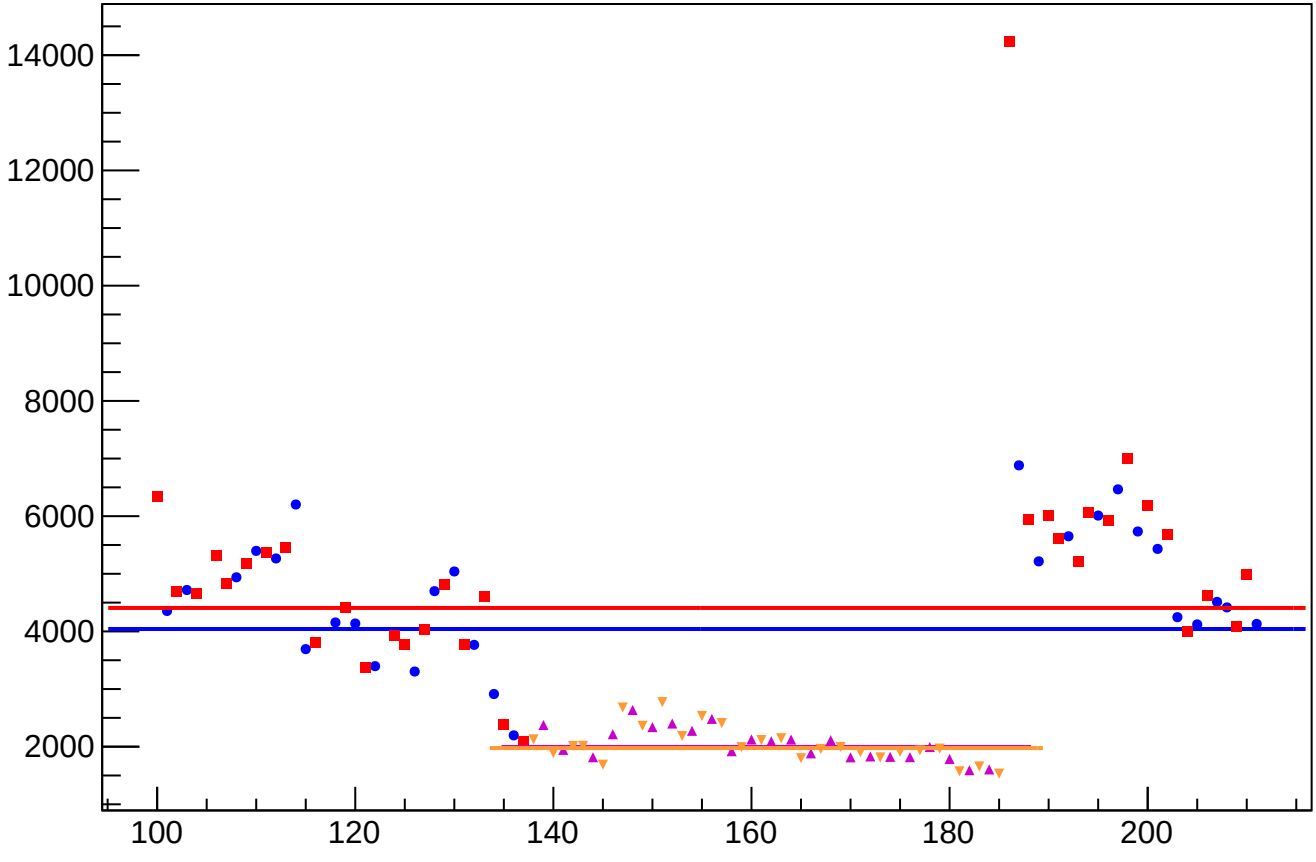
Left In: 44.352+/-470.700 χ^2/NDF:34.2/22

\+ sign -1451.179+/-416.404 χ^2/NDF: 74.1/52

All: -904.285+/-299.676 χ^2/NDF: 143.4/108

\- sign -316.698+/-431.618 χ^2/NDF: 65.7/55

asym_sam2_reg_correction_rms vs Slug



Right In: 4042.070+/-0.733 χ^2/NDF: 2668397.8/27

Left Out: 1975.967+/-0.321 χ^2/NDF:763327.6/24

Right Out: 4407.561+/-0.765 χ^2/NDF: 2904048.0/32

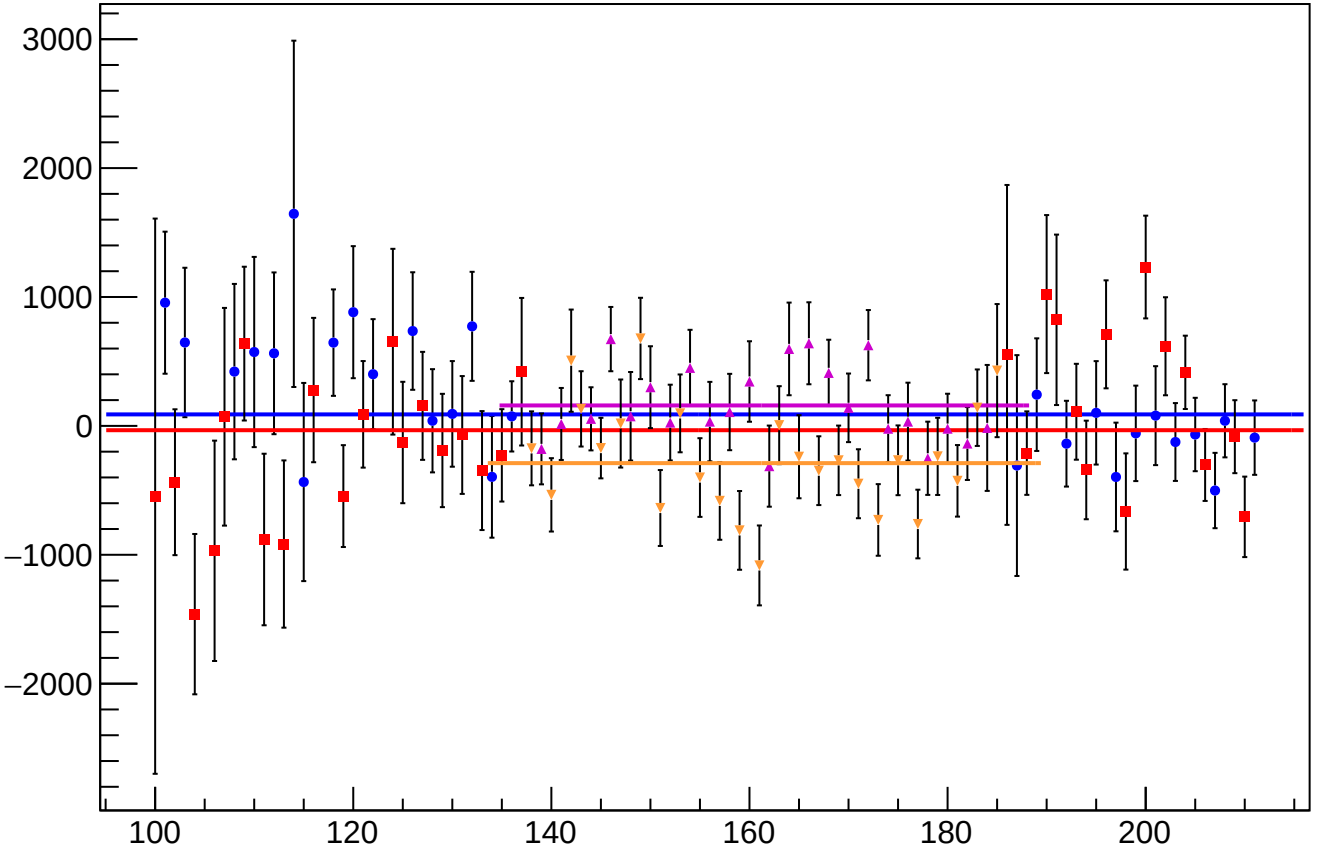
Left In: 1994.760+/-0.333 χ^2/NDF:599994.9/22

+ sign 2308.979+/-0.294 χ^2/NDF: 10088779.8/52

All: 2342.637+/-0.212 χ^2/NDF: 21984409.5/1

- sign 2378.800+/-0.305 χ^2/NDF: 11868523.0/55

cor_asym_sam2_mean vs Slug



Right In: 89.177+/-76.304 χ^2/NDF: 24.5/27

Left Out: -288.928+/-59.035 χ^2/NDF:42.4/24

Right Out: -33.507+/-76.675 χ^2/NDF: 48.7/32

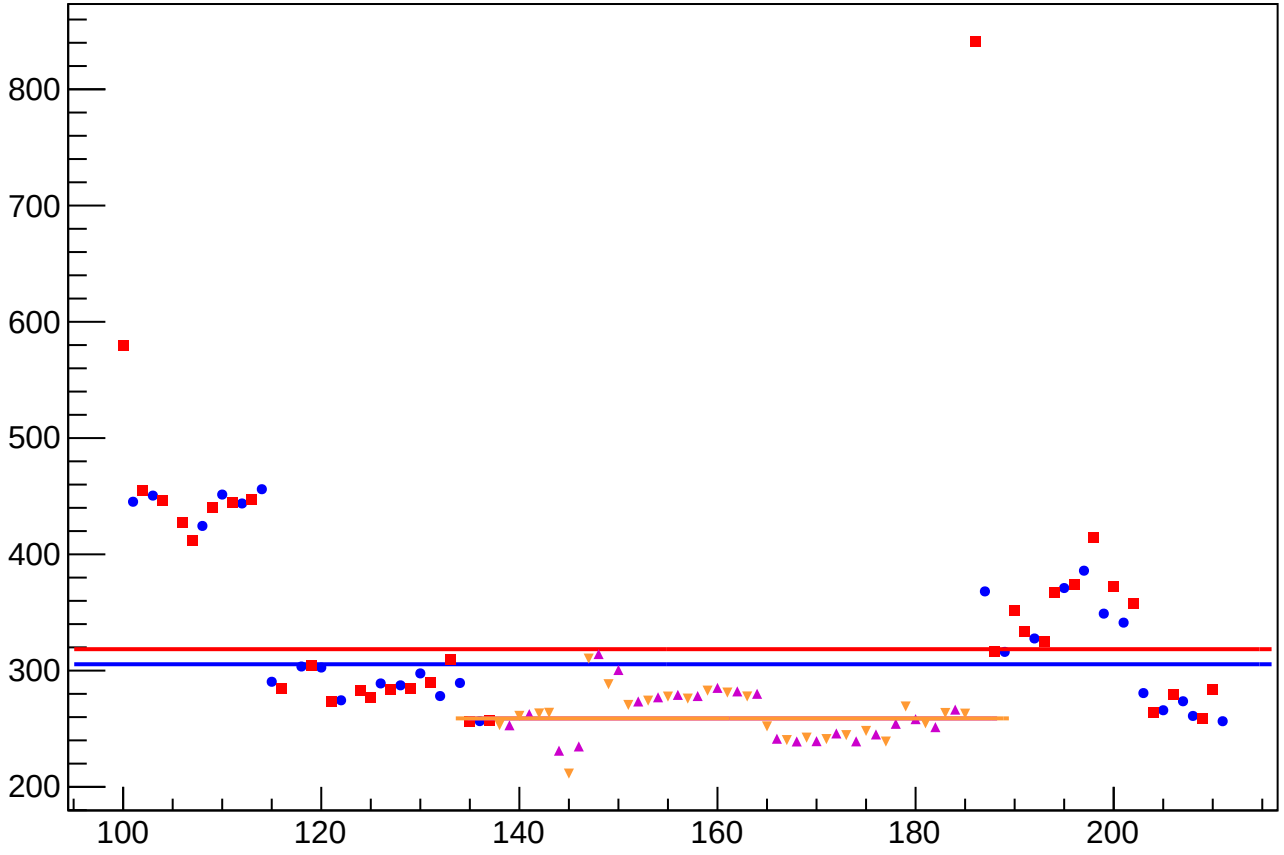
Left In: 158.612+/-60.708 χ^2/NDF:22.5/22

+ sign -147.349+/-46.692 χ^2/NDF: 82.3/52

All: -33.605+/-33.331 χ^2/NDF: 169.4/108

- sign 84.584+/-47.596 χ^2/NDF: 75.1/55

cor_asym_sam2_rms vs Slug



Right In: 305.469+/-0.054 χ^2/NDF: 984219.0/27

Left Out: 258.912+/-0.042 χ^2/NDF:248740.9/24

Right Out: 318.437+/-0.054 χ^2/NDF: 1457532.8/32

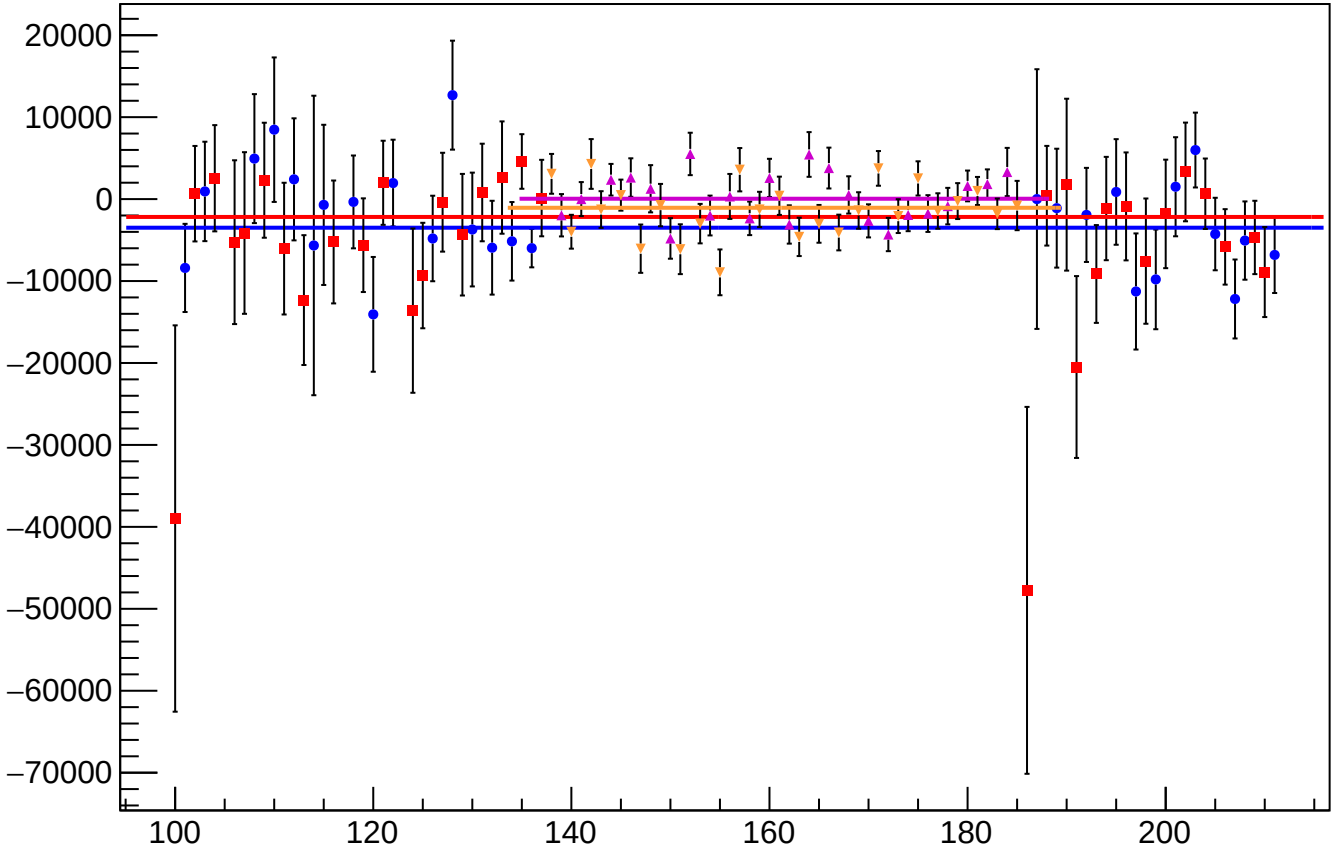
Left In: 258.843+/-0.043 χ^2/NDF:244953.3/22

+ sign 276.345+/-0.033 χ^2/NDF: 1698737.4/52

All: 279.023+/-0.024 χ^2/NDF: 4157272.3/108

- sign 281.806+/-0.034 χ^2/NDF: 2445119.2/55

asym_sam2_cor_correction_mean vs Slug



Right In: -3490.975+/-1037.197 χ^2/NDF: 28.0/27

Left Out: -1059.232+/-454.653 χ^2/NDF:41.5/24

Right Out: -2178.066+/-1082.677 χ^2/NDF: 27.5/32

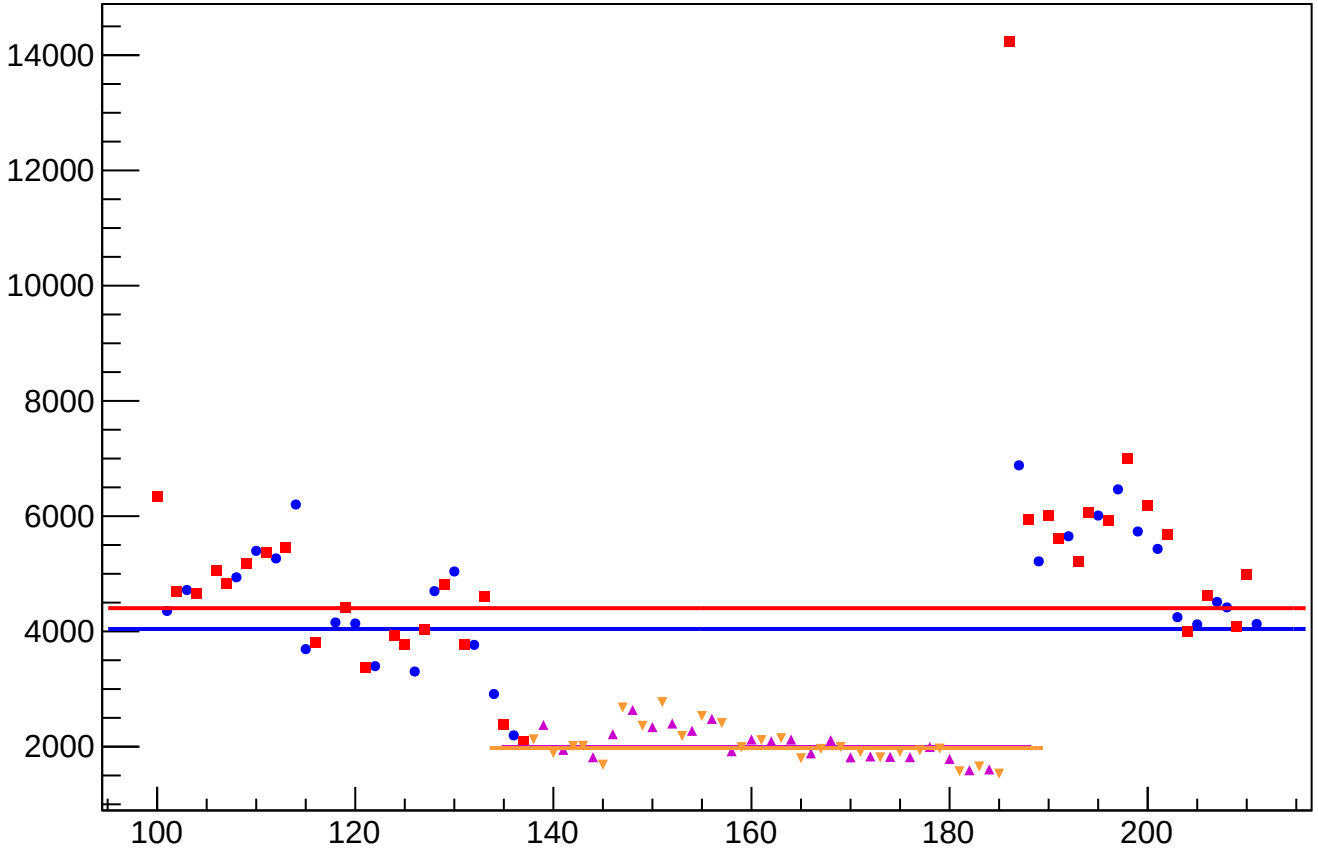
Left In: 44.348+/-470.700 χ^2/NDF:34.2/22

\+ sign -1451.177+/-416.404 χ^2/NDF: 74.1/52

All: -900.613+/-299.693 χ^2/NDF: 142.9/108

\- sign -308.941+/-431.669 χ^2/NDF: 65.2/55

asym_sam2_cor_correction_rms vs Slug



Right In: 4042.074+/-0.733 χ^2/NDF: 2668407.1/27

Left Out: 1975.967+/-0.321 χ^2/NDF:763328.1/24

Right Out: 4403.423+/-0.766 χ^2/NDF: 2894365.5/32

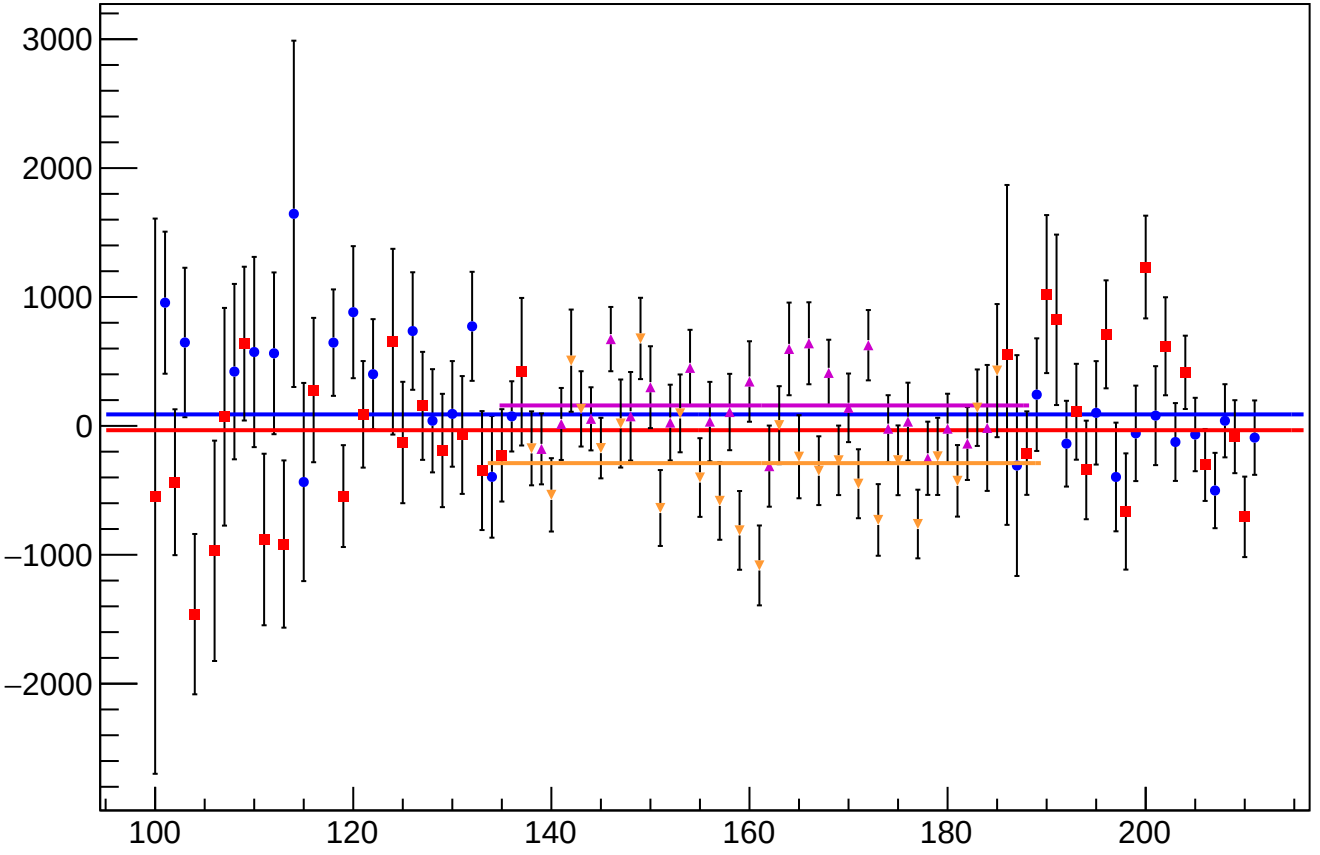
Left In: 1994.760+/-0.333 χ^2/NDF:599996.2/22

+ sign 2308.979+/-0.294 χ^2/NDF: 10088800.6/52

All: 2342.082+/-0.212 χ^2/NDF: 21934634.8/1

- sign 2377.656+/-0.305 χ^2/NDF: 11819611.8/55

eigen_cor_asym_sam2_mean vs Slug



Right In: 89.177+/-76.304 χ^2/NDF: 24.5/27

Left Out: -288.928+/-59.035 χ^2/NDF:42.4/24

Right Out: -33.507+/-76.675 χ^2/NDF: 48.7/32

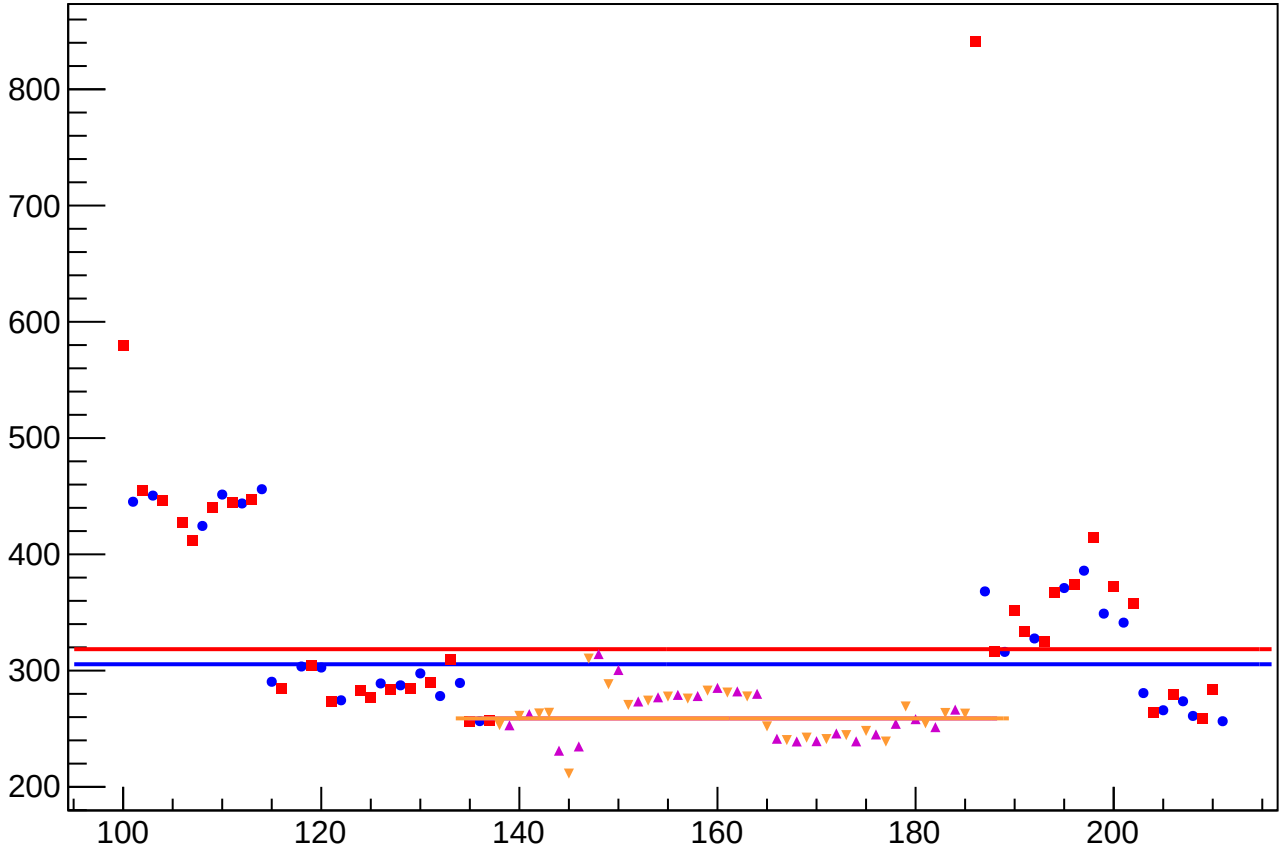
Left In: 158.612+/-60.708 χ^2/NDF:22.5/22

+ sign -147.349+/-46.692 χ^2/NDF: 82.3/52

All: -33.605+/-33.331 χ^2/NDF: 169.4/108

- sign 84.584+/-47.596 χ^2/NDF: 75.1/55

eigen_cor_asym_sam2_rms vs Slug



Right In: 305.469+/-0.054 χ^2/NDF: 984219.0/27

Left Out: 258.912+/-0.042 χ^2/NDF:248740.9/24

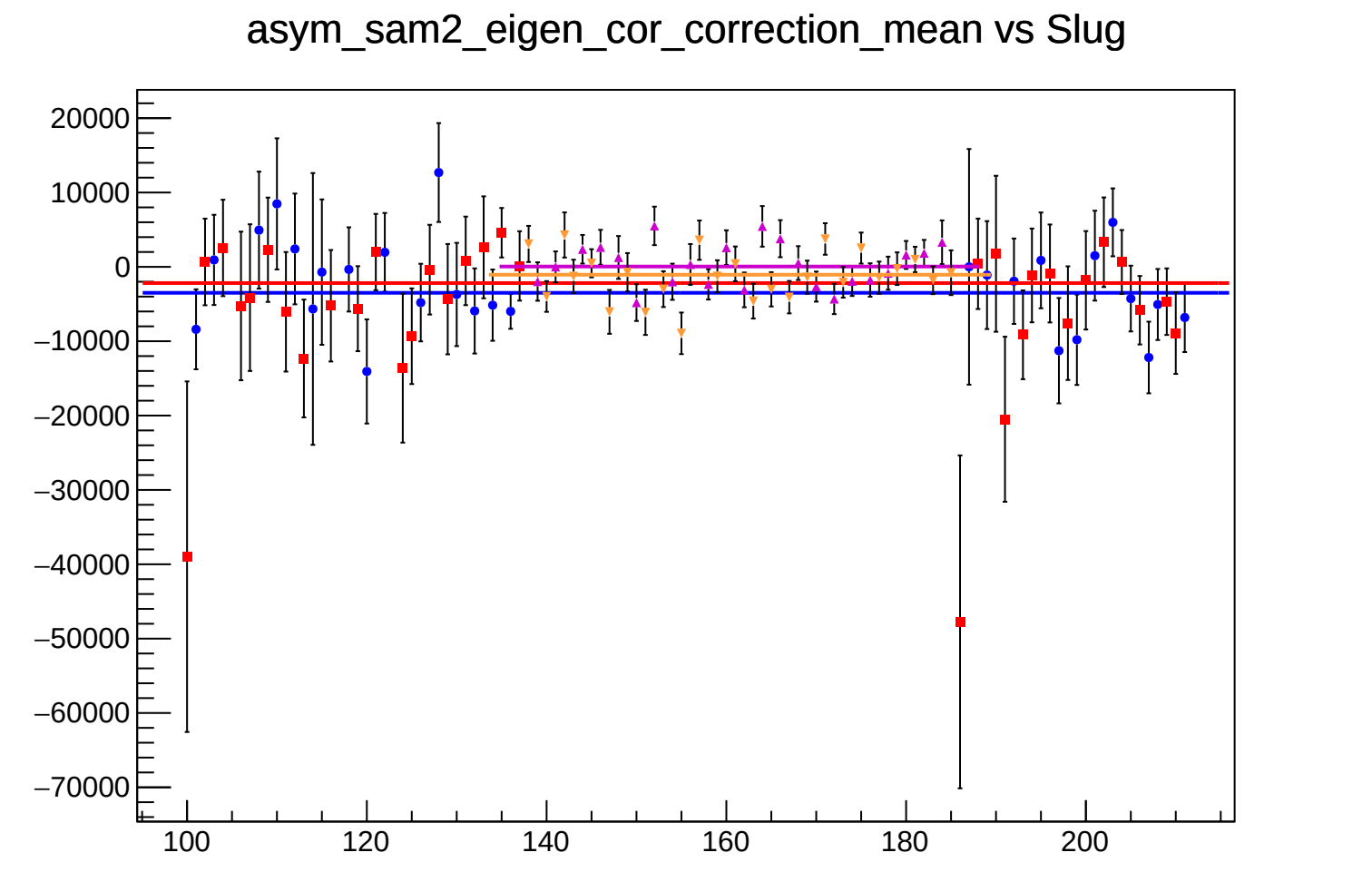
Right Out: 318.437+/-0.054 χ^2/NDF: 1457532.8/32

Left In: 258.843+/-0.043 χ^2/NDF:244953.3/22

+ sign 276.345+/-0.033 χ^2/NDF: 1698737.4/52

All: 279.023+/-0.024 χ^2/NDF: 4157272.3/108

- sign 281.806+/-0.034 χ^2/NDF: 2445119.2/55



Right In: -3490.975+/-1037.197 χ^2/NDF: 28.0/27

Left Out: -1059.232+/-454.653 χ^2/NDF:41.5/24

Right Out: -2178.066+/-1082.677 χ^2/NDF: 27.5/32

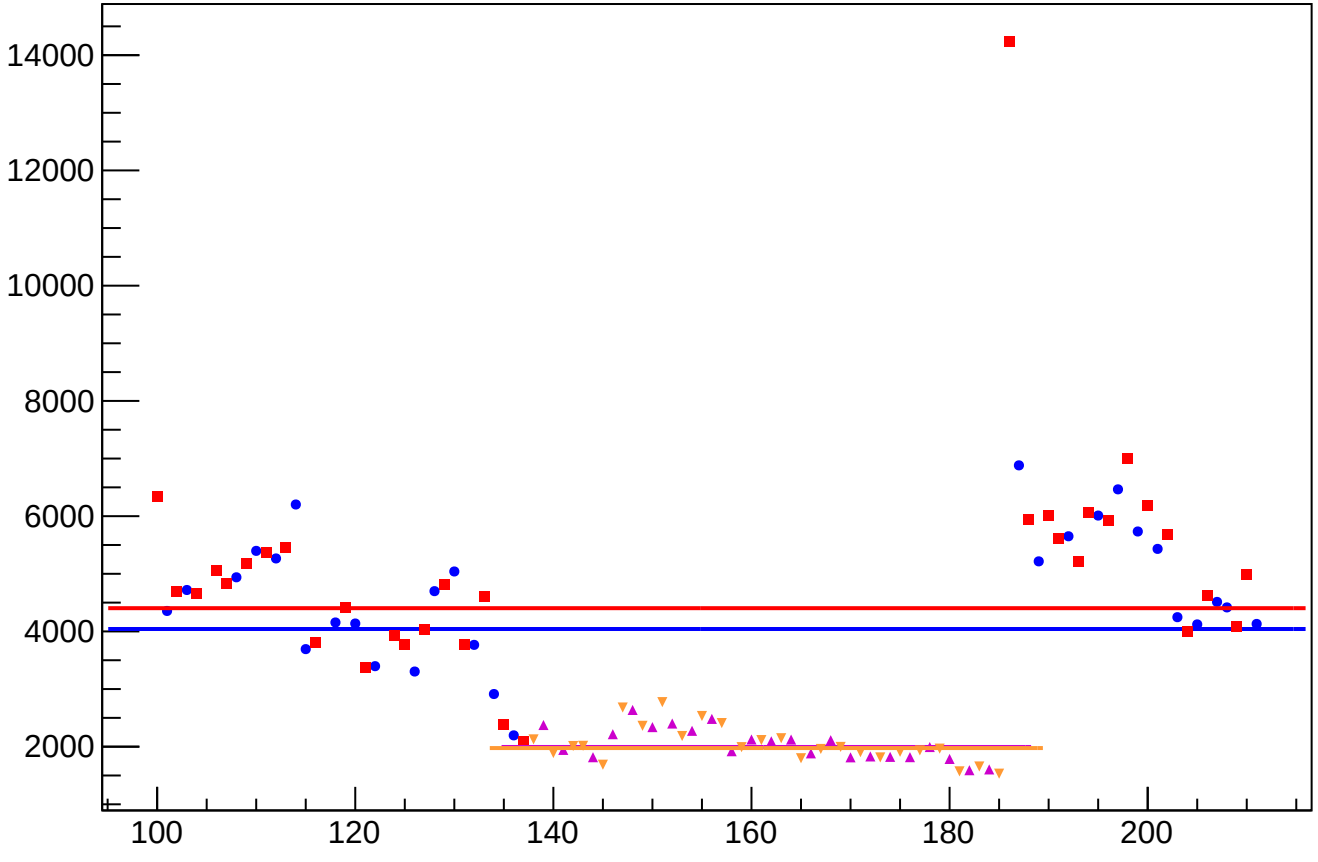
Left In: 44.348+/-470.700 χ^2/NDF:34.2/22

+ sign -1451.177+/-416.404 χ^2/NDF: 74.1/52

All: -900.613+/-299.693 χ^2/NDF: 142.9/108

- sign -308.941+/-431.669 χ^2/NDF: 65.2/55

asym_sam2_eigen_cor_correction_rms vs Slug



Right In: 4042.074+/-0.733 χ^2/NDF: 2668407.1/27

Left Out: 1975.967+/-0.321 χ^2/NDF:763328.1/24

Right Out: 4403.423+/-0.766 χ^2/NDF: 2894365.5/32

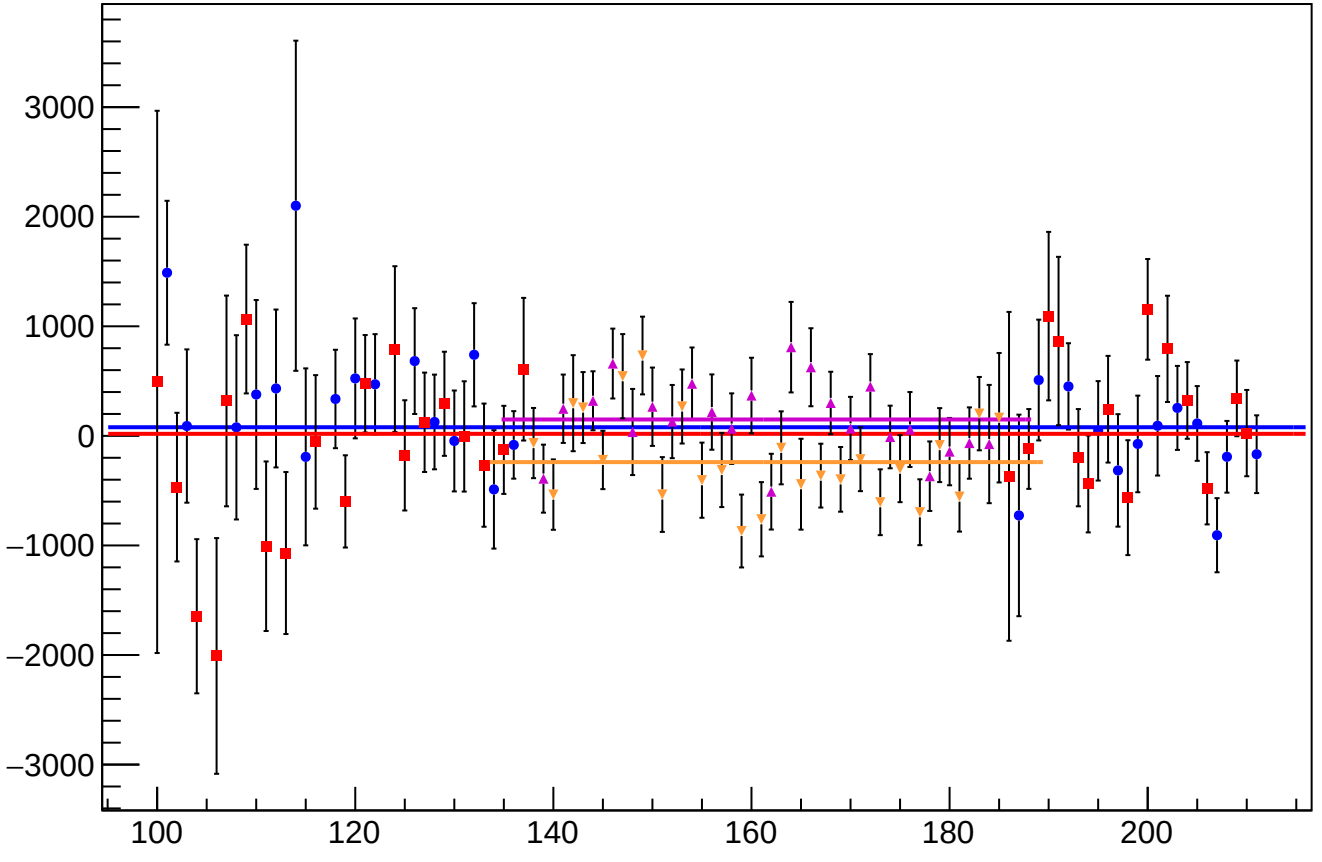
Left In: 1994.760+/-0.333 χ^2/NDF:599996.2/22

+ sign 2308.979+/-0.294 χ^2/NDF: 10088800.6/52

All: 2342.082+/-0.212 χ^2/NDF: 21934634.8/1

- sign 2377.656+/-0.305 χ^2/NDF: 11819611.8/55

dit_asym_sam2_mean vs Slug



Right In: 78.769+/-88.420 χ^2/NDF: 26.5/27

Left Out: -239.549+/-66.167 χ^2/NDF:34.0/24

Right Out: 18.550+/-88.865 χ^2/NDF: 40.8/32

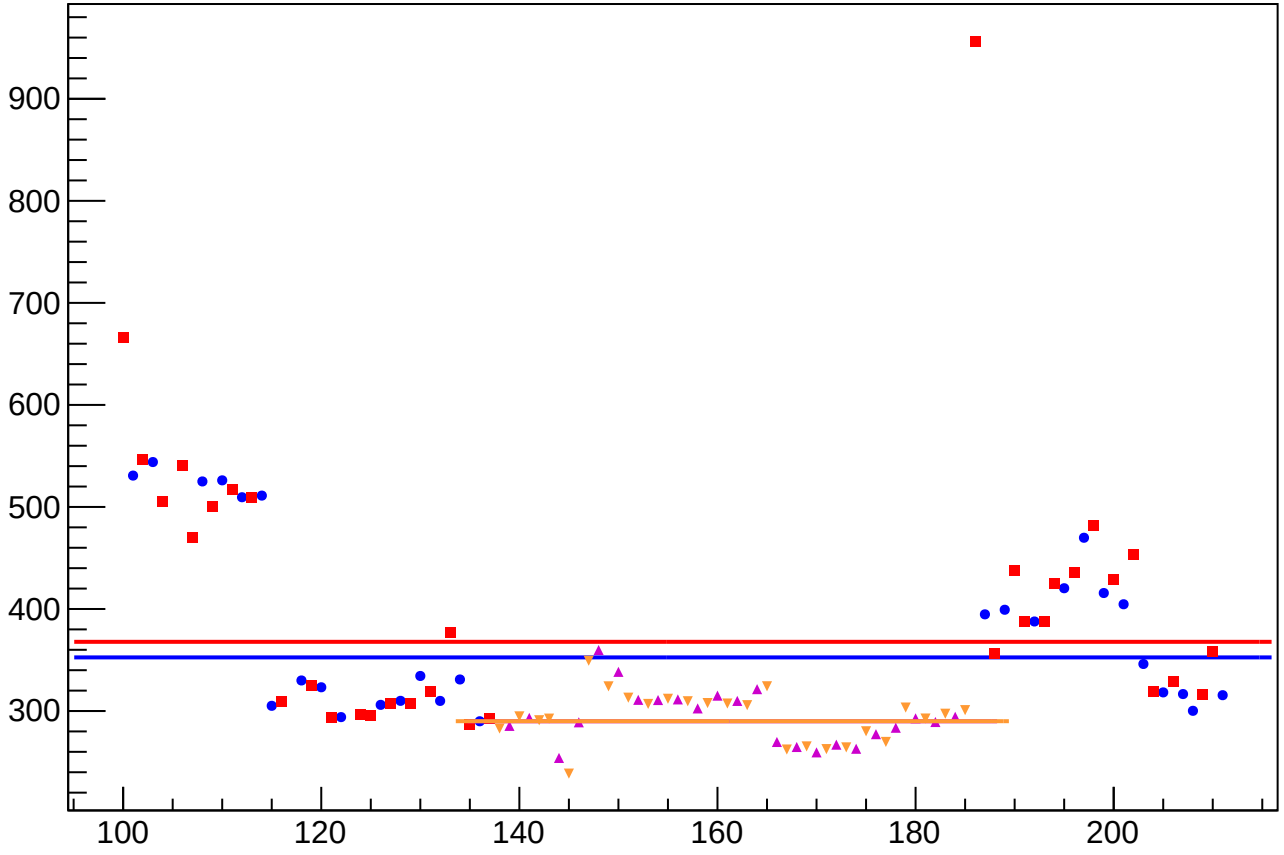
Left In: 149.516+/-68.160 χ^2/NDF:21.7/22

+ sign -125.282+/-52.976 χ^2/NDF: 68.8/52

All: -14.477+/-37.845 χ^2/NDF: 141.7/108

- sign 101.008+/-54.083 χ^2/NDF: 63.9/55

dit_asym_sam2_rms vs Slug



Right In: 352.549+/-0.063 χ^2/NDF: 1140080.4/27

Left Out: 290.023+/-0.047 χ^2/NDF:280647.1/24

Right Out: 367.816+/-0.063 χ^2/NDF: 1598740.1/32

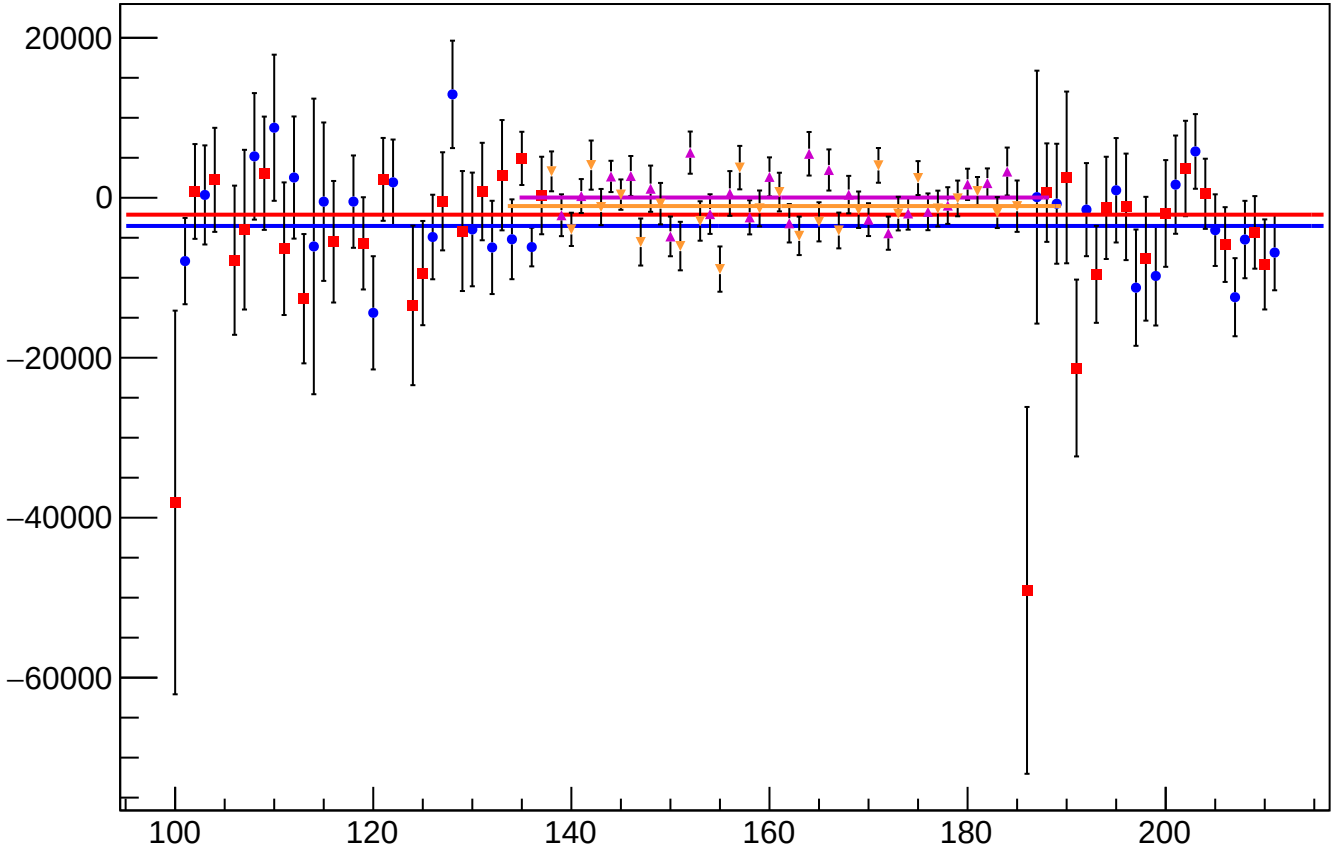
Left In: 289.941+/-0.048 χ^2/NDF:269669.5/22

+ sign 312.468+/-0.037 χ^2/NDF: 2061838.0/52

All: 315.561+/-0.027 χ^2/NDF: 4911189.5/108

- sign 318.785+/-0.038 χ^2/NDF: 2835425.6/55

asym_sam2_dit_correction_mean vs Slug



Right In: -3523.678+/-1057.882 χ^2/NDF: 27.6/27

Left Out: -1036.592+/-465.324 χ^2/NDF:40.3/24

Right Out: -2113.265+/-1095.553 χ^2/NDF: 28.3/32

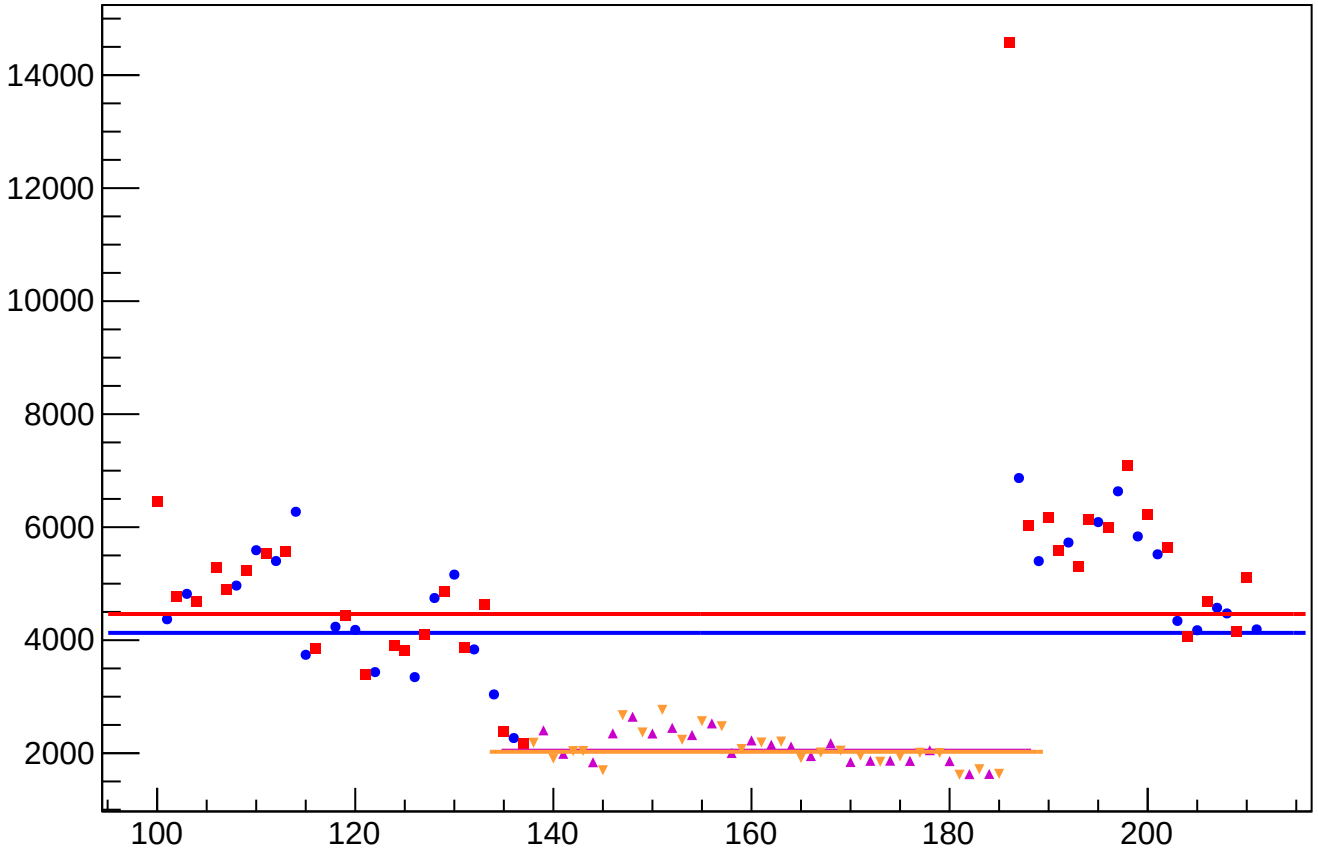
Left In: 30.393+/-482.280 χ^2/NDF:34.1/22

+ sign -1439.784+/-425.939 χ^2/NDF: 72.6/52

All: -898.689+/-306.506 χ^2/NDF: 141.6/108

- sign -317.591+/-441.403 χ^2/NDF: 65.7/55

asym_sam2_dit_correction_rms vs Slug



Right In: 4129.516+/-0.748 χ^2/NDF: 2583194.1/27

Left Out: 2025.085+/-0.329 χ^2/NDF:700821.6/24

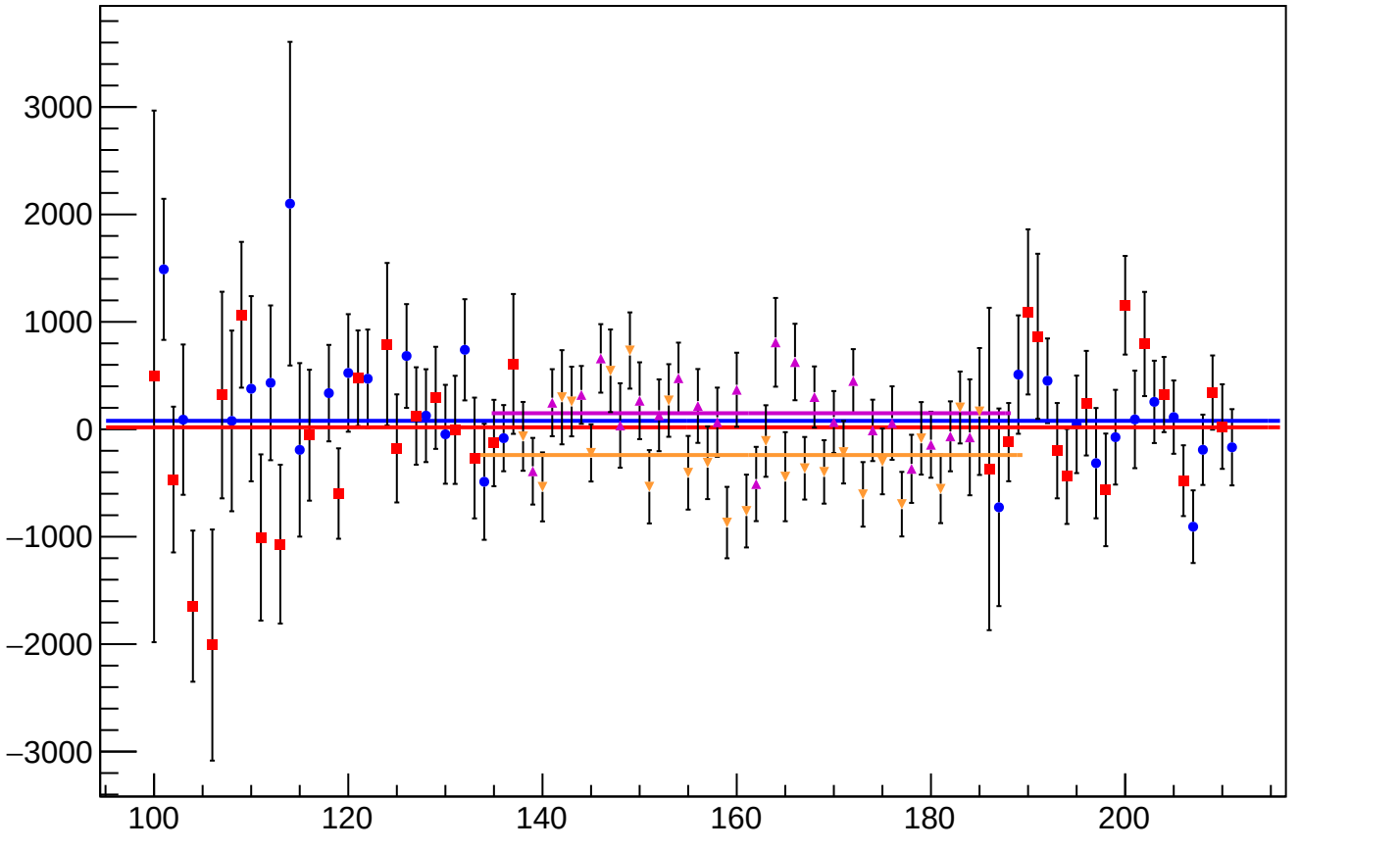
Right Out: 4463.357+/-0.775 χ^2/NDF: 2895601.0/32

Left In: 2044.523+/-0.341 χ^2/NDF:584918.7/22

+ sign 2366.243+/-0.301 χ^2/NDF: 9915489.9/52

All: 2400.446+/-0.217 χ^2/NDF: 21589472.4/1

- sign 2437.177+/-0.312 χ^2/NDF: 11647237.2/55



Right In: 78.776+/-88.420 χ^2/NDF: 26.5/27

Left Out: -239.552+/-66.167 χ^2/NDF:34.0/24

Right Out: 18.550+/-88.865 χ^2/NDF: 40.8/32

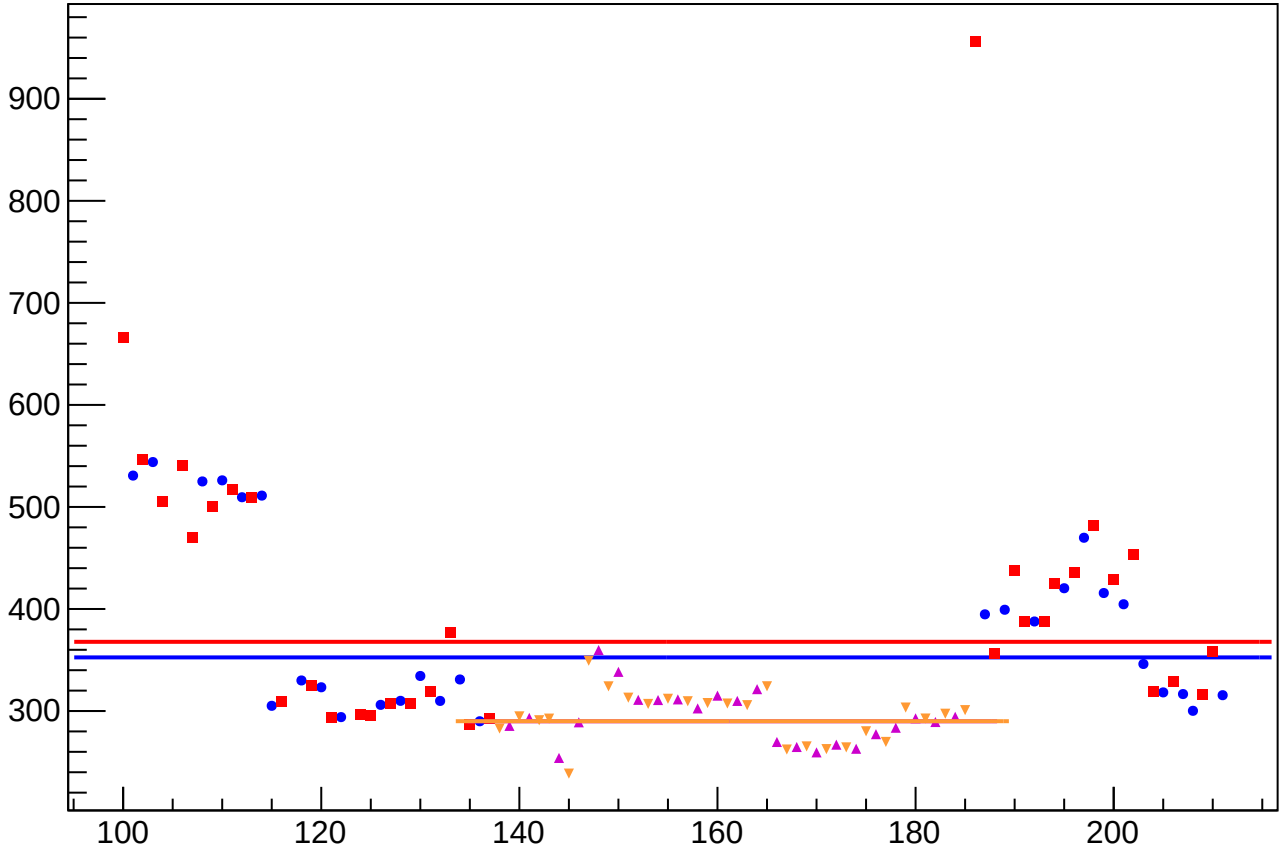
Left In: 149.517+/-68.160 χ^2/NDF:21.7/22

+ sign -125.281+/-52.976 χ^2/NDF: 68.8/52

All: -14.476+/-37.845 χ^2/NDF: 141.7/108

- sign 101.008+/-54.083 χ^2/NDF: 63.9/55

eigen_dit_asym_sam2_rms vs Slug



Right In: 352.548+/-0.063 χ^2/NDF: 1140075.6/27

Left Out: 290.023+/-0.047 χ^2/NDF:280652.8/24

Right Out: 367.816+/-0.063 χ^2/NDF: 1598729.6/32

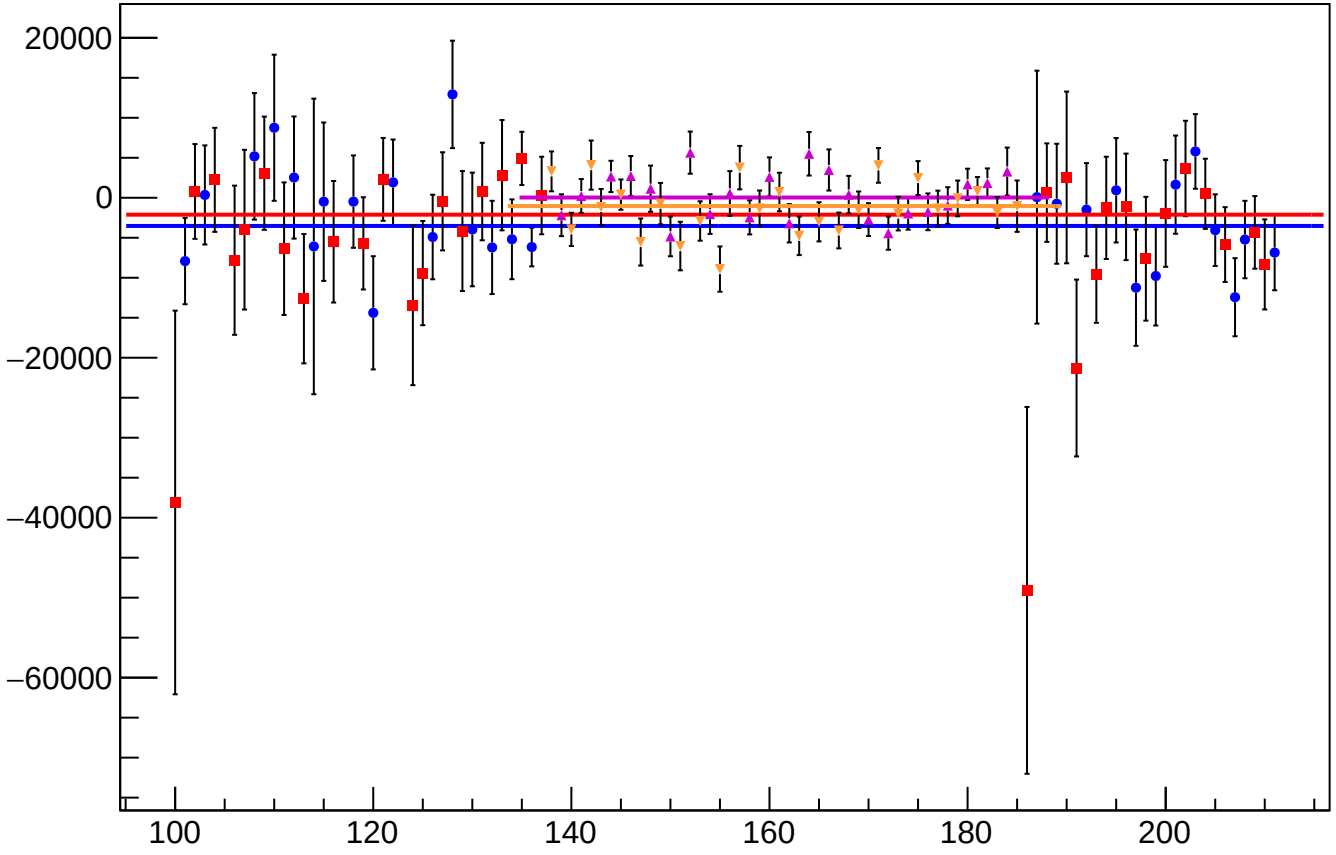
Left In: 289.941+/-0.048 χ^2/NDF:269671.9/22

+ sign 312.468+/-0.037 χ^2/NDF: 2061820.1/52

All: 315.561+/-0.027 χ^2/NDF: 4911157.1/108

- sign 318.785+/-0.038 χ^2/NDF: 2835410.7/55

asym_sam2_eigen_dit_correction_mean vs Slug



Right In: -3523.672+/-1057.881 χ^2/NDF: 27.6/27

Left Out: -1036.591+/-465.324 χ^2/NDF:40.3/24

Right Out: -2113.267+/-1095.552 χ^2/NDF: 28.3/32

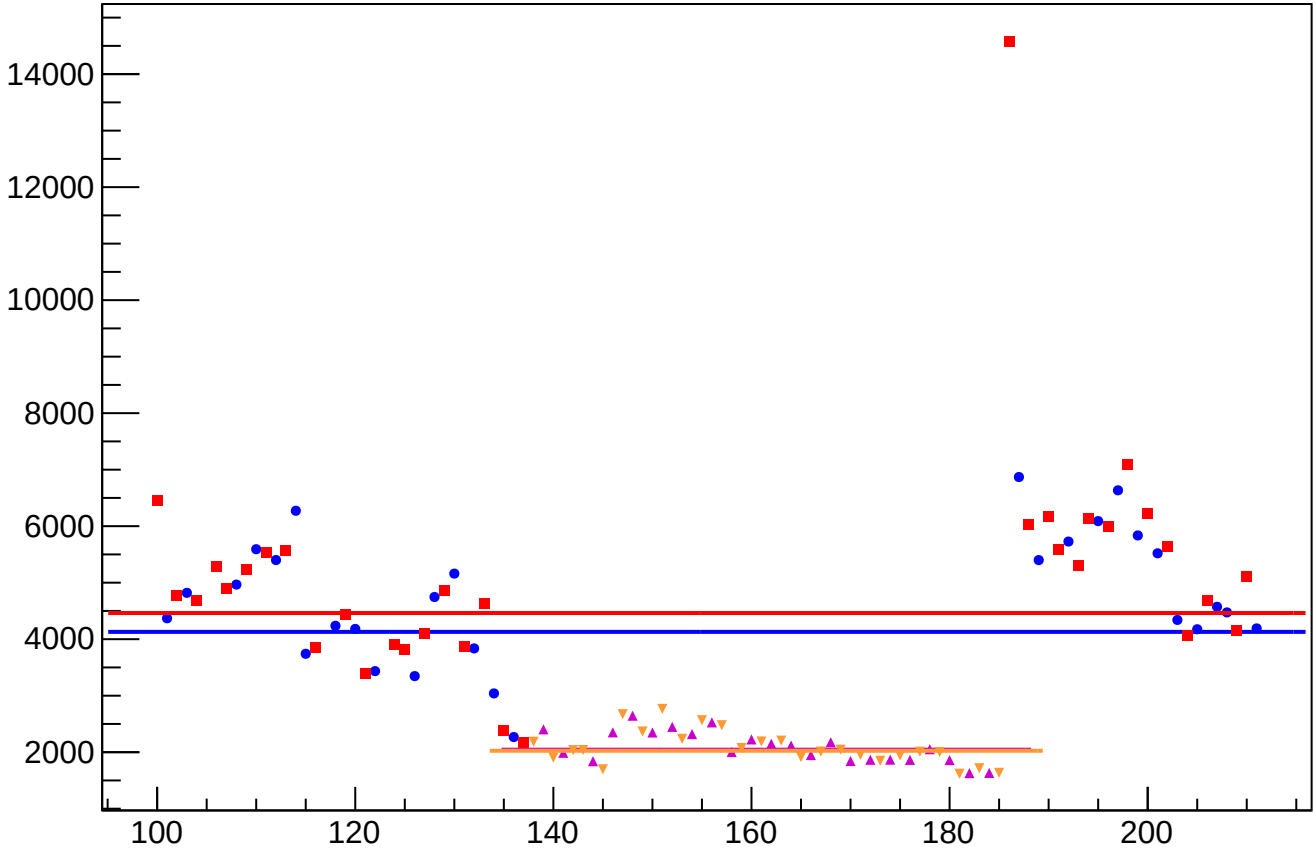
Left In: 30.392+/-482.280 χ^2/NDF:34.1/22

+ sign -1439.783+/-425.939 χ^2/NDF: 72.6/52

All: -898.689+/-306.506 χ^2/NDF: 141.6/108

- sign -317.593+/-441.403 χ^2/NDF: 65.7/55

asym_sam2_eigen_dit_correction_rms vs Slug



Right In: 4129.514+/-0.748 χ^2/NDF: 2583185.4/27

Left Out: 2025.085+/-0.329 χ^2/NDF:700825.4/24

Right Out: 4463.355+/-0.775 χ^2/NDF: 2895596.9/32

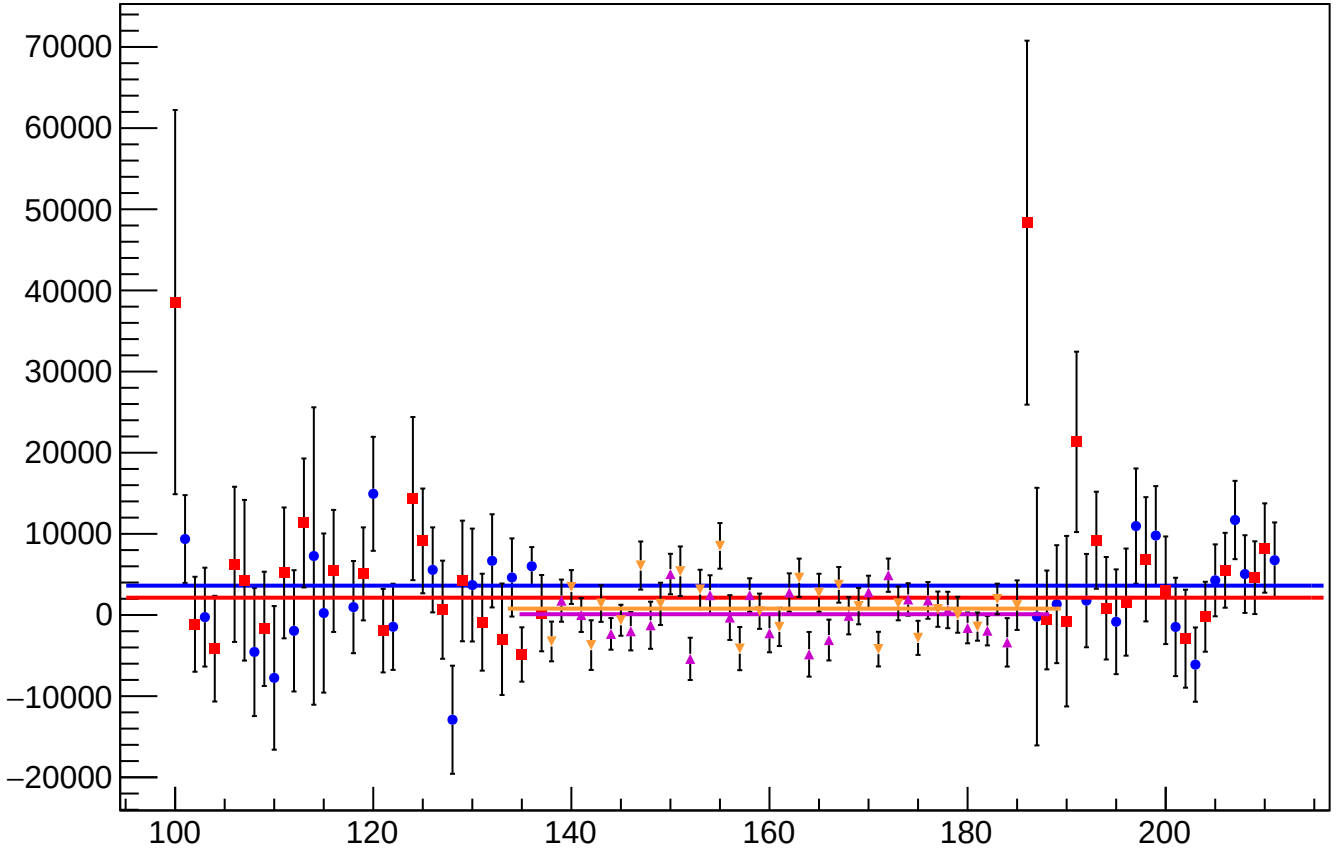
Left In: 2044.522+/-0.341 χ^2/NDF:584922.7/22

+ sign 2366.244+/-0.301 χ^2/NDF: 9915475.8/52

All: 2400.446+/-0.217 χ^2/NDF: 21589451.7/1

- sign 2437.177+/-0.312 χ^2/NDF: 11647231.1/55

asym_sam2_mean vs Slug



Right In: 3618.005+/-1040.987 χ^2/NDF: 27.8/27

Left Out: 788.321+/-458.726 χ^2/NDF:41.3/24

Right Out: 2134.454+/-1085.440 χ^2/NDF: 27.3/32

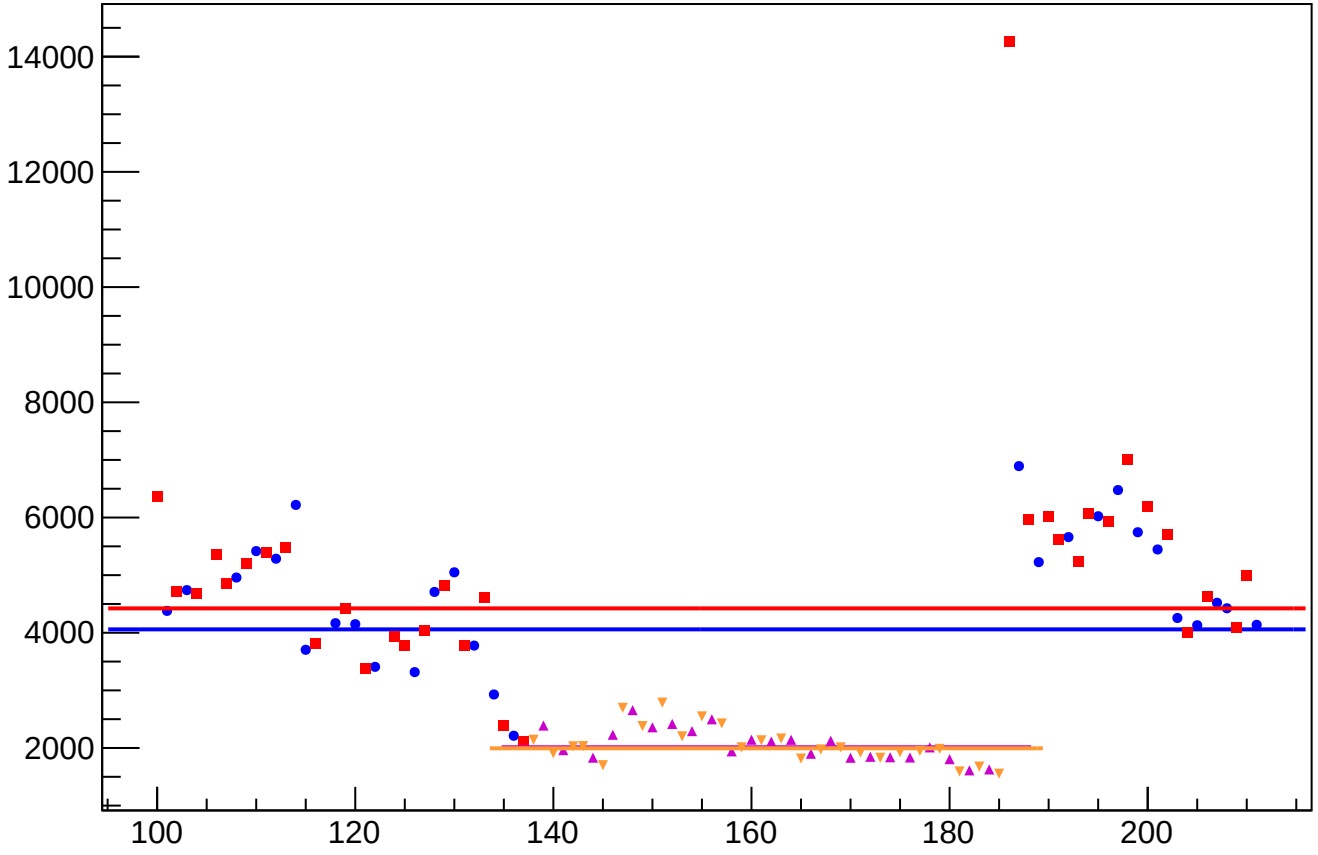
Left In: 96.730+/-474.825 χ^2/NDF:32.8/22

+ sign 1248.453+/-419.776 χ^2/NDF: 75.3/52

All: 850.946+/-302.073 χ^2/NDF: 140.2/108

- sign 424.039+/-435.023 χ^2/NDF: 63.1/55

asym_sam2_rms vs Slug



Right In: 4058.953+/-0.736 χ^2/NDF: 2638414.7/27

Left Out: 1994.246+/-0.324 χ^2/NDF:746498.4/24

Right Out: 4423.231+/-0.768 χ^2/NDF: 2882183.4/32

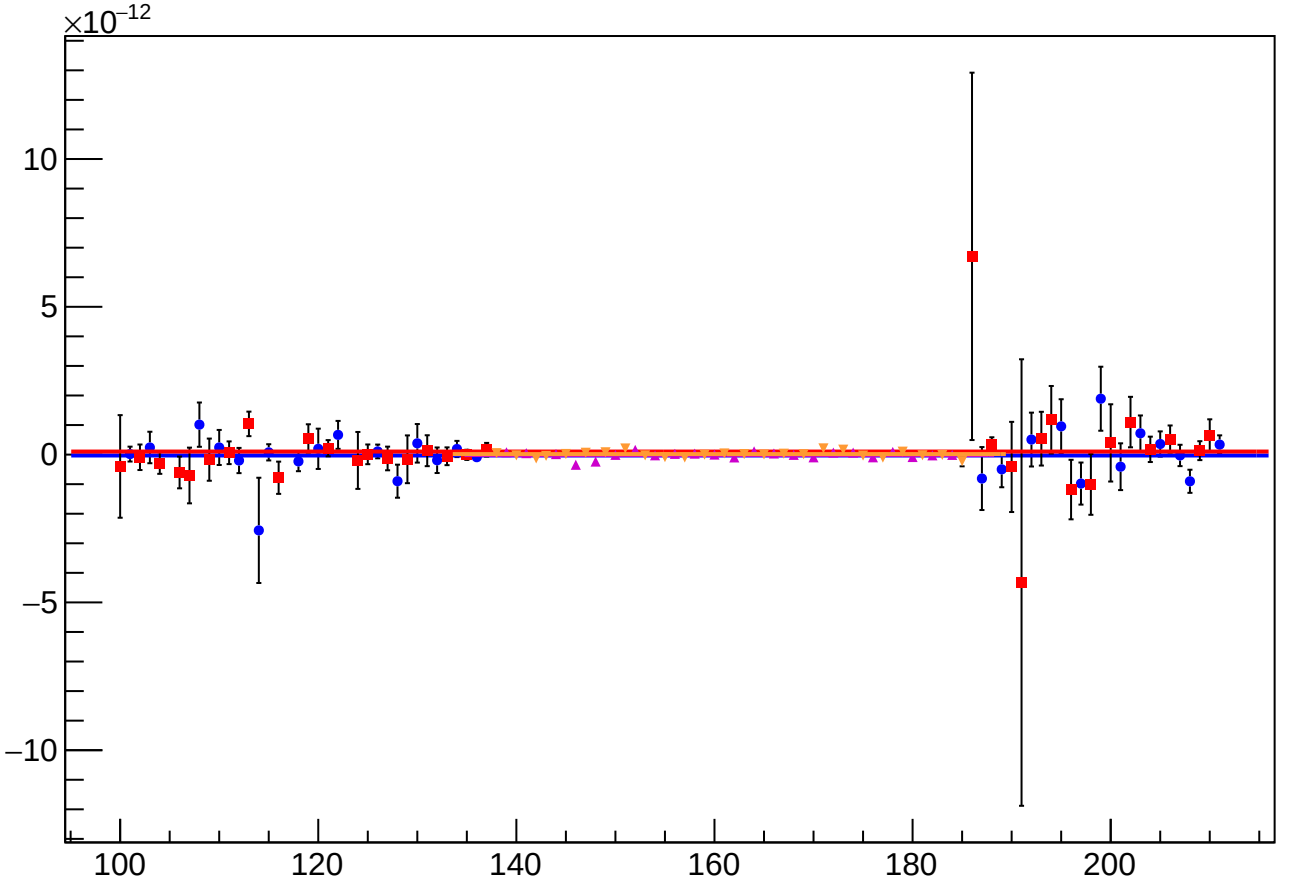
Left In: 2012.692+/-0.336 χ^2/NDF:587260.9/22

+ sign 2329.985+/-0.297 χ^2/NDF: 9973386.5/52

All: 2363.688+/-0.214 χ^2/NDF: 21749049.2/1

- sign 2399.884+/-0.308 χ^2/NDF: 11748924.7/55

asym_sam2_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 28.5/27

Left Out: 0.000+/-0.000 χ^2/NDF:21.2/24

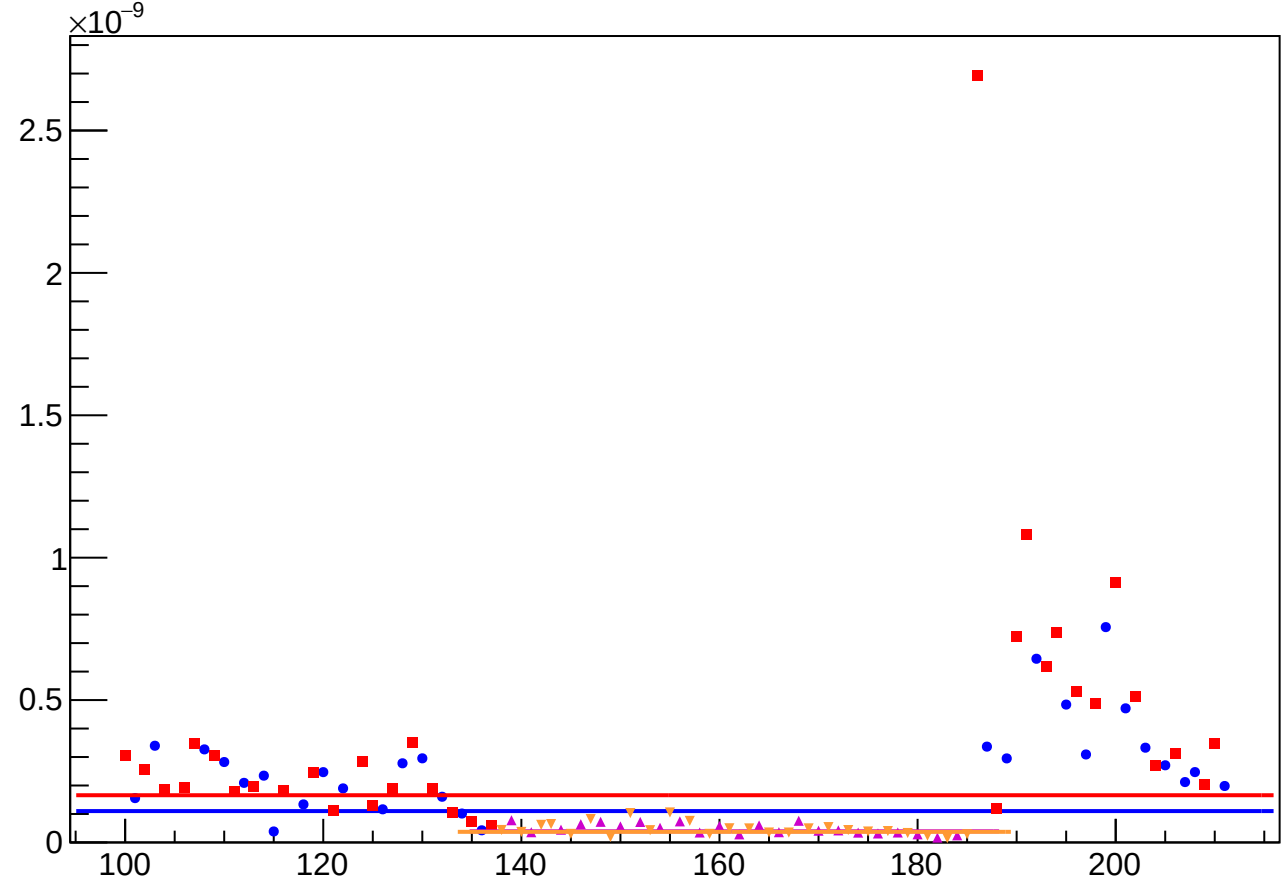
Right Out: 0.000+/-0.000 χ^2/NDF: 24.2/32

Left In: -0.000+/-0.000 χ^2/NDF:30.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 50.4/52

All: 0.000+/-0.000 χ^2/NDF: 109.0/108

- sign -0.000+/-0.000 χ^2/NDF: 57.4/55



Right In: 0.000+/-0.000 χ^2/NDF: 6806826.8/27

Left Out: 0.000+/-0.000 χ^2/NDF:2323330.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5384603.5/32

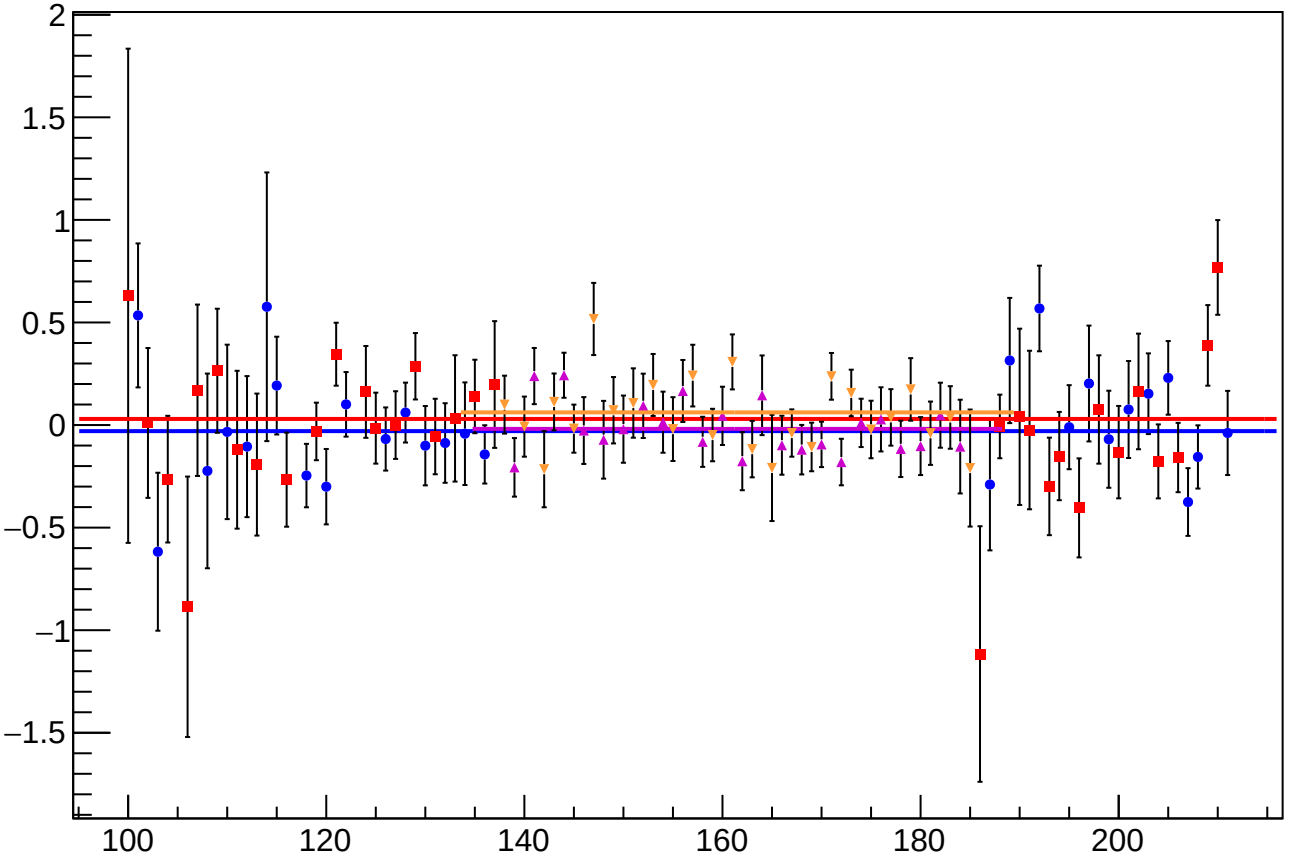
Left In: 0.000+/-0.000 χ^2/NDF:1921481.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 12249545.3/52

All: 0.000+/-0.000 χ^2/NDF: 25312567.2/108

- sign 0.000+/-0.000 χ^2/NDF: 13028360.8/55

asym_sam2_dit_vs_cor_diff_mean vs Slug



Right In: -0.030+/-0.039 χ^2/NDF: 32.0/27

Left Out: 0.062+/-0.029 χ^2/NDF:27.4/24

Right Out: 0.030+/-0.039 χ^2/NDF: 40.7/32

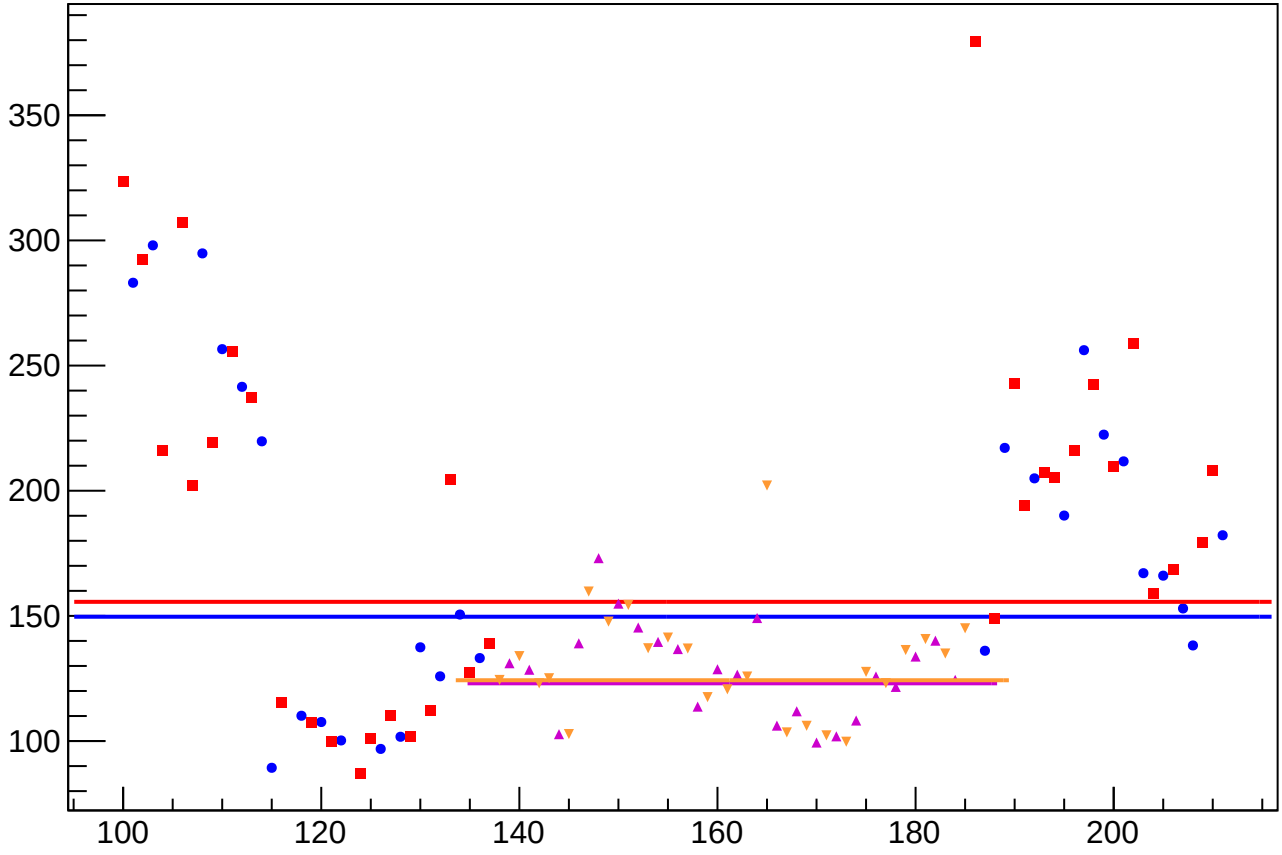
Left In: -0.019+/-0.029 χ^2/NDF:20.3/22

+ sign 0.030+/-0.023 χ^2/NDF: 63.0/52

All: 0.014+/-0.017 χ^2/NDF: 125.9/108

- sign -0.001+/-0.024 χ^2/NDF: 62.0/55

asym_sam2_dit_vs_cor_diff_rms vs Slug



Right In: 149.667+/-0.028 χ^2/NDF: 3168902.8/27

Left Out: 124.292+/-0.020 χ^2/NDF:840983.3/24

Right Out: 155.615+/-0.028 χ^2/NDF: 3841103.7/32

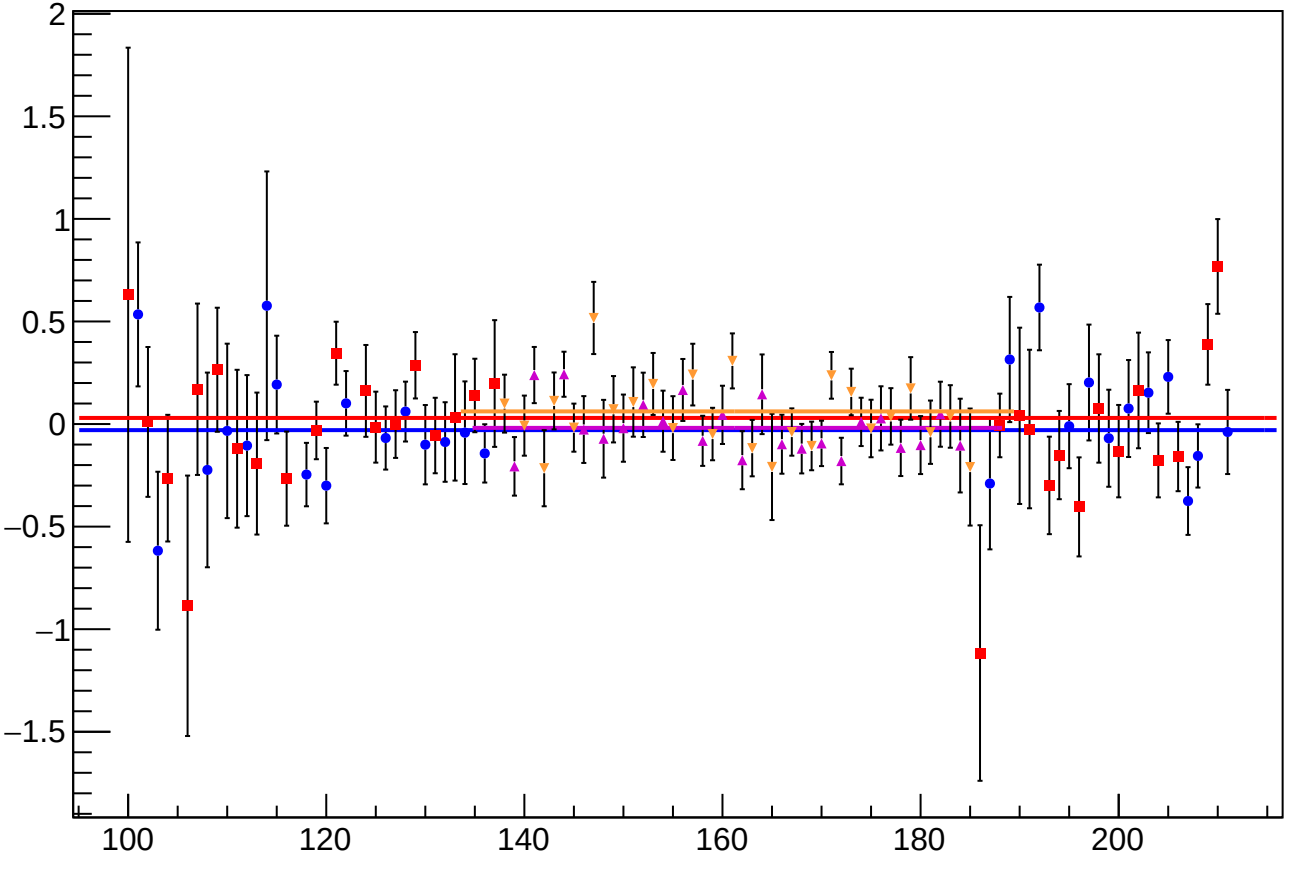
Left In: 123.062+/-0.021 χ^2/NDF:718821.1/22

+ sign 133.116+/-0.016 χ^2/NDF: 4554293.3/52

All: 133.887+/-0.012 χ^2/NDF: 9998119.4/108

- sign 134.681+/-0.017 χ^2/NDF: 5439330.4/55

asym_sam2_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.030+/-0.039 χ^2/NDF: 32.0/27

Left Out: 0.062+/-0.029 χ^2/NDF:27.4/24

Right Out: 0.030+/-0.039 χ^2/NDF: 40.7/32

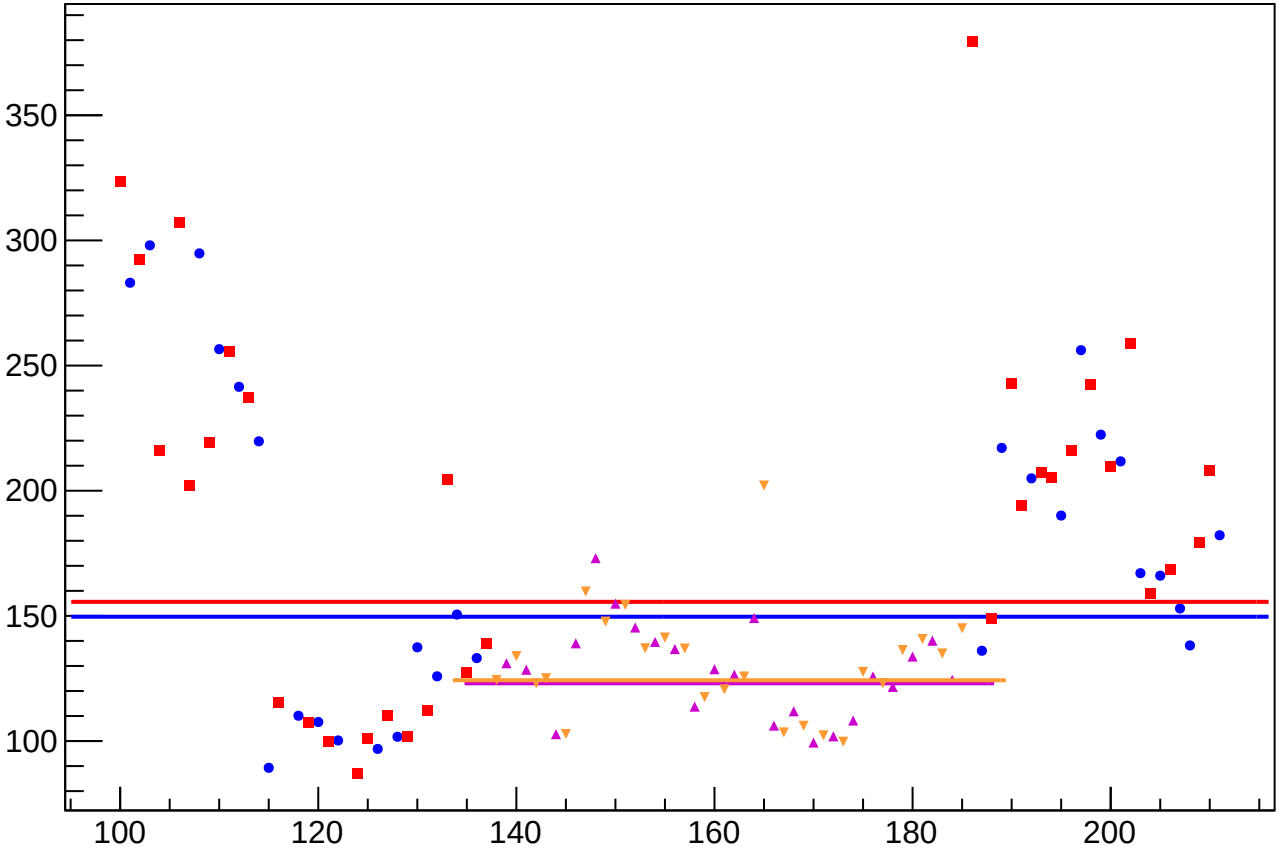
Left In: -0.019+/-0.029 χ^2/NDF:20.3/22

+ sign 0.030+/-0.023 χ^2/NDF: 63.0/52

All: 0.014+/-0.017 χ^2/NDF: 125.9/108

- sign -0.001+/-0.024 χ^2/NDF: 62.0/55

asym_sam2_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 149.667+/-0.028 χ^2/NDF: 3168902.8/27

Left Out: 124.292+/-0.020 χ^2/NDF:840983.3/24

Right Out: 155.615+/-0.028 χ^2/NDF: 3841103.7/32

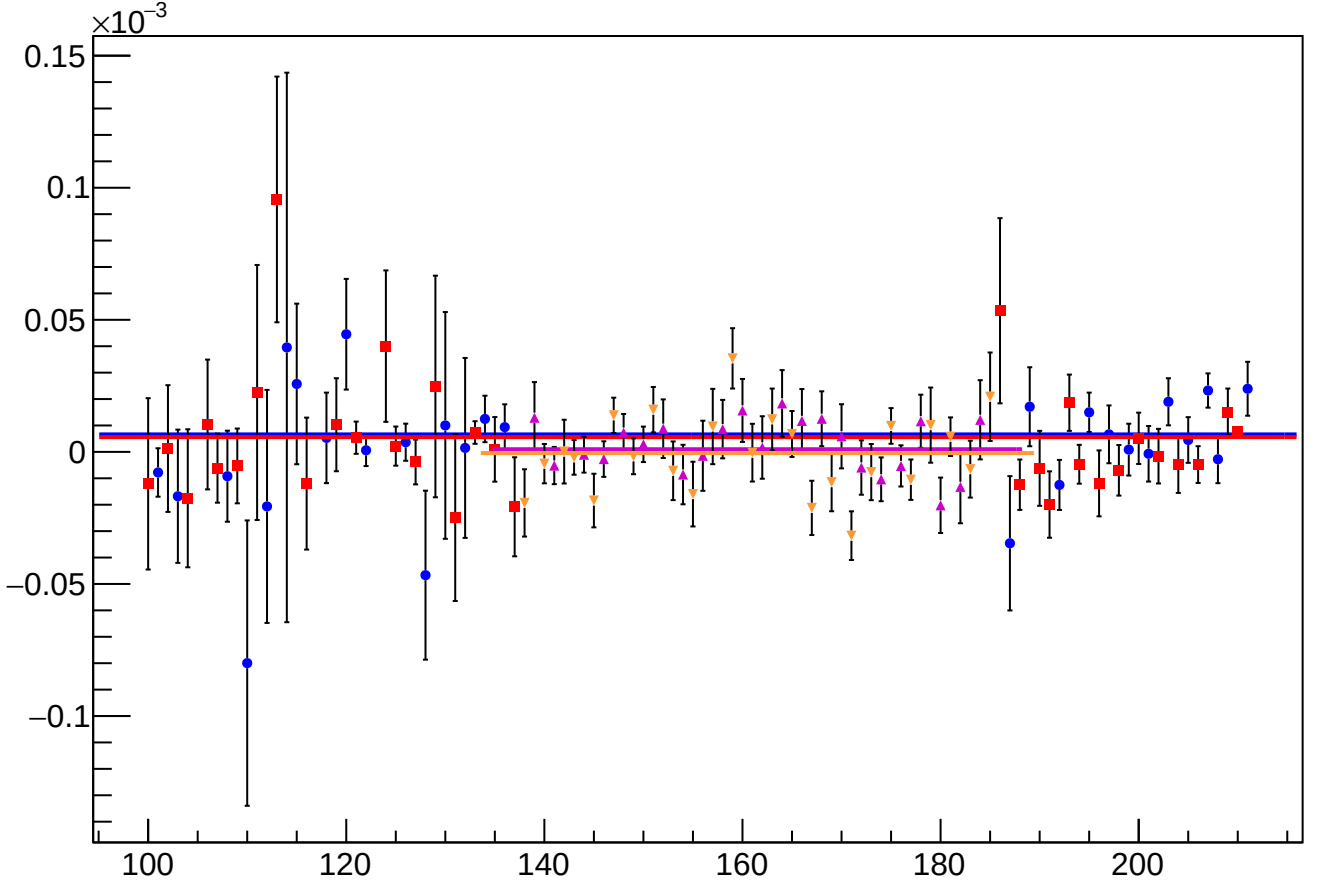
Left In: 123.062+/-0.021 χ^2/NDF:718821.1/22

+ sign 133.116+/-0.016 χ^2/NDF: 4554293.3/52

All: 133.887+/-0.012 χ^2/NDF: 9998119.4/108

- sign 134.681+/-0.017 χ^2/NDF: 5439330.4/55

asym_sam2_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 37.2/27

Left Out: -0.000+/-0.000 χ^2/NDF:52.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 38.5/32

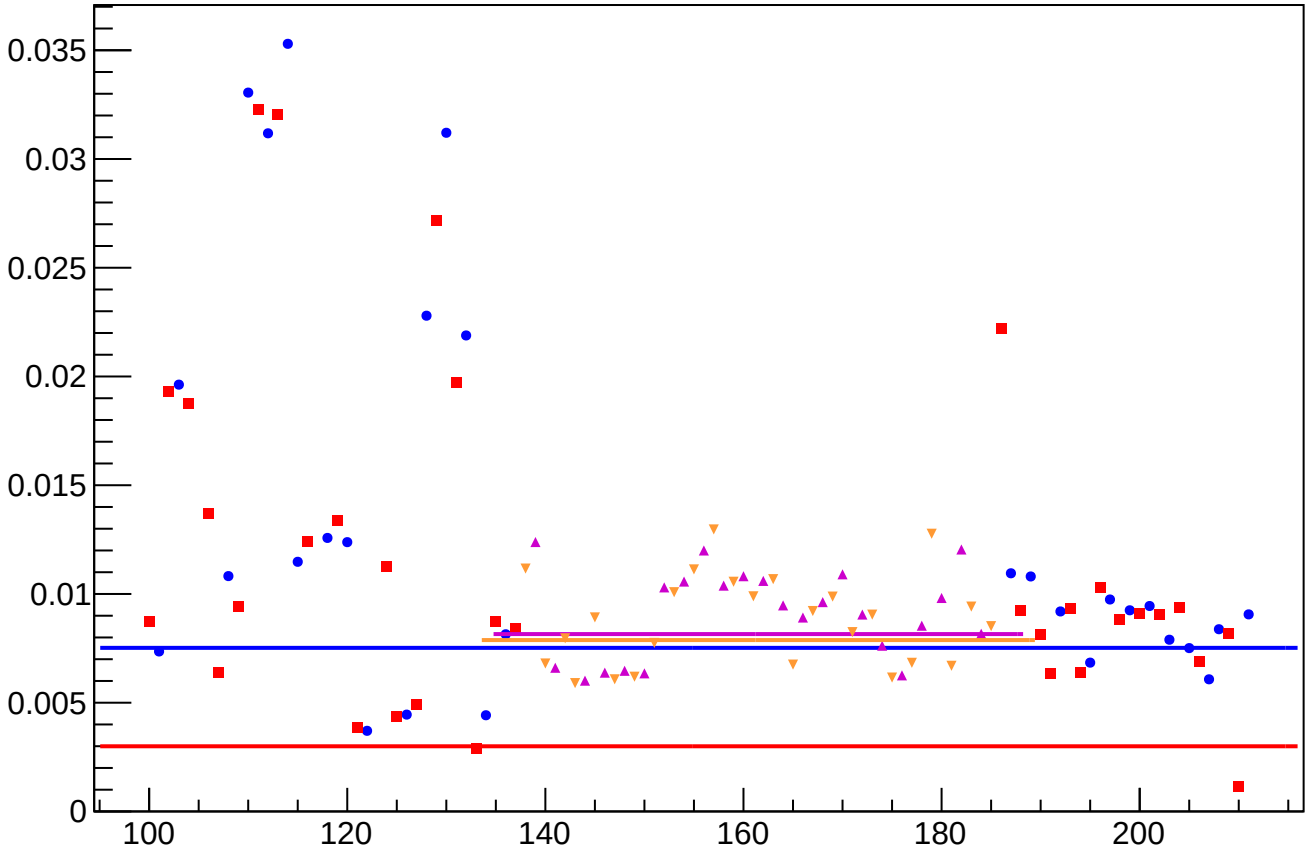
Left In: 0.000+/-0.000 χ^2/NDF:20.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 96.2/52

All: 0.000+/-0.000 χ^2/NDF: 159.9/108

- sign 0.000+/-0.000 χ^2/NDF: 62.5/55

asym_sam2_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF: 5475034.8/27

Left Out: 0.008+/-0.000 χ^2/NDF:2076596.0/24

Right Out: 0.003+/-0.000 χ^2/NDF: 19122859.4/32

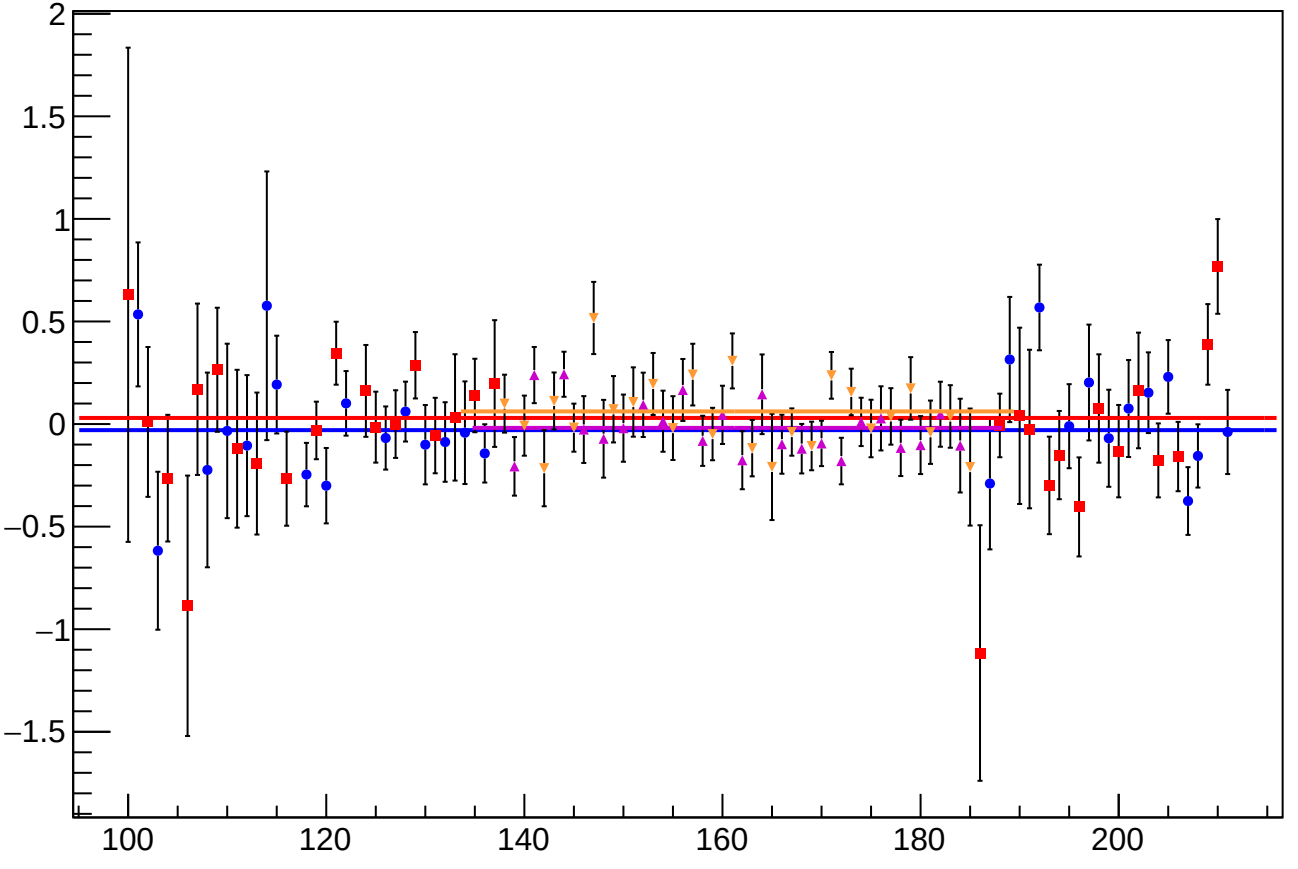
Left In: 0.008+/-0.000 χ^2/NDF:2017677.5/22

+ sign 0.008+/-0.000 χ^2/NDF: 7584952.9/52

All: 0.005+/-0.000 χ^2/NDF: 48047542.9/108

- sign 0.004+/-0.000 χ^2/NDF: 31547511.6/55

asym_sam2_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.030+/-0.039 χ^2/NDF: 32.0/27

Left Out: 0.062+/-0.029 χ^2/NDF:27.4/24

Right Out: 0.030+/-0.039 χ^2/NDF: 40.7/32

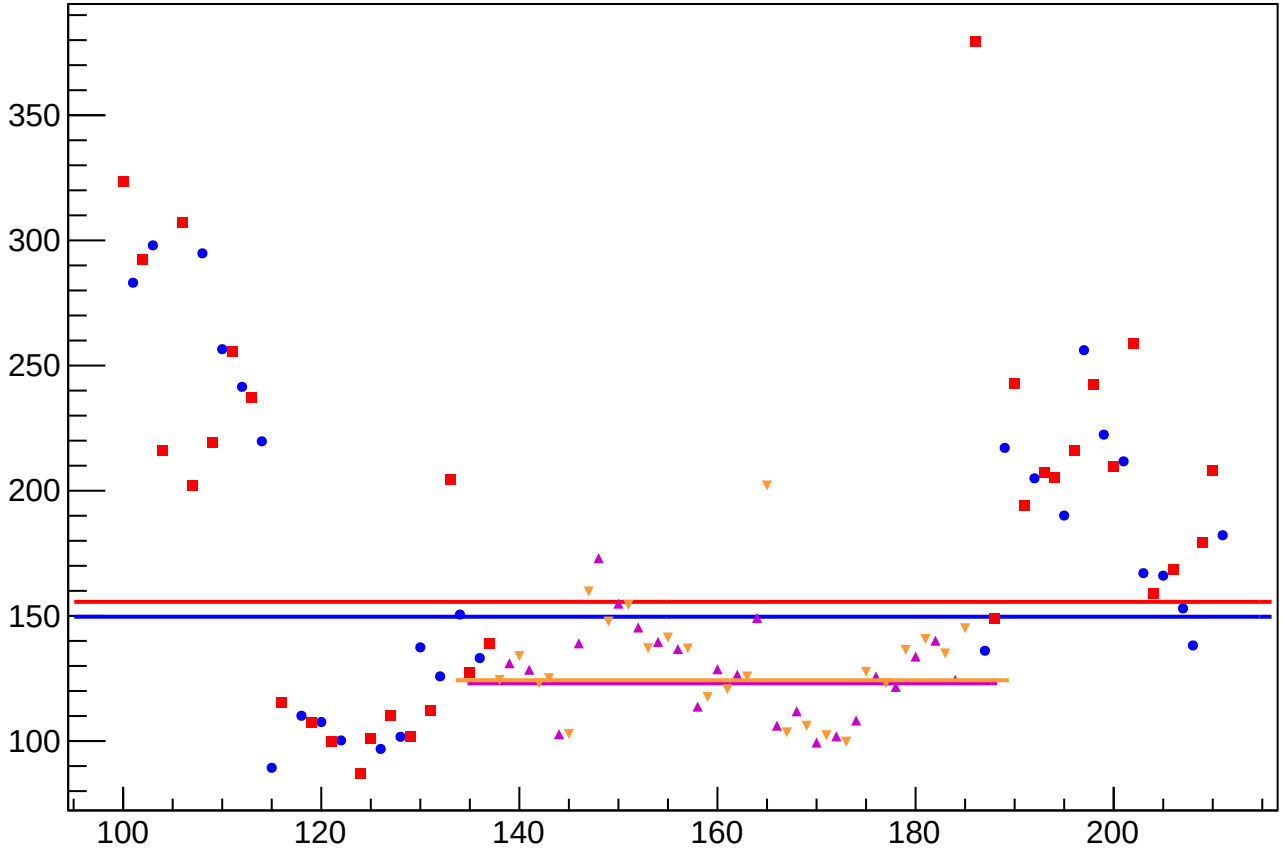
Left In: -0.019+/-0.029 χ^2/NDF:20.3/22

+ sign 0.030+/-0.023 χ^2/NDF: 63.0/52

All: 0.014+/-0.017 χ^2/NDF: 125.9/108

- sign -0.001+/-0.024 χ^2/NDF: 62.0/55

asym_sam2_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 149.664+/-0.028 χ^2/NDF: 3168956.8/27

Left Out: 124.292+/-0.020 χ^2/NDF:841035.9/24

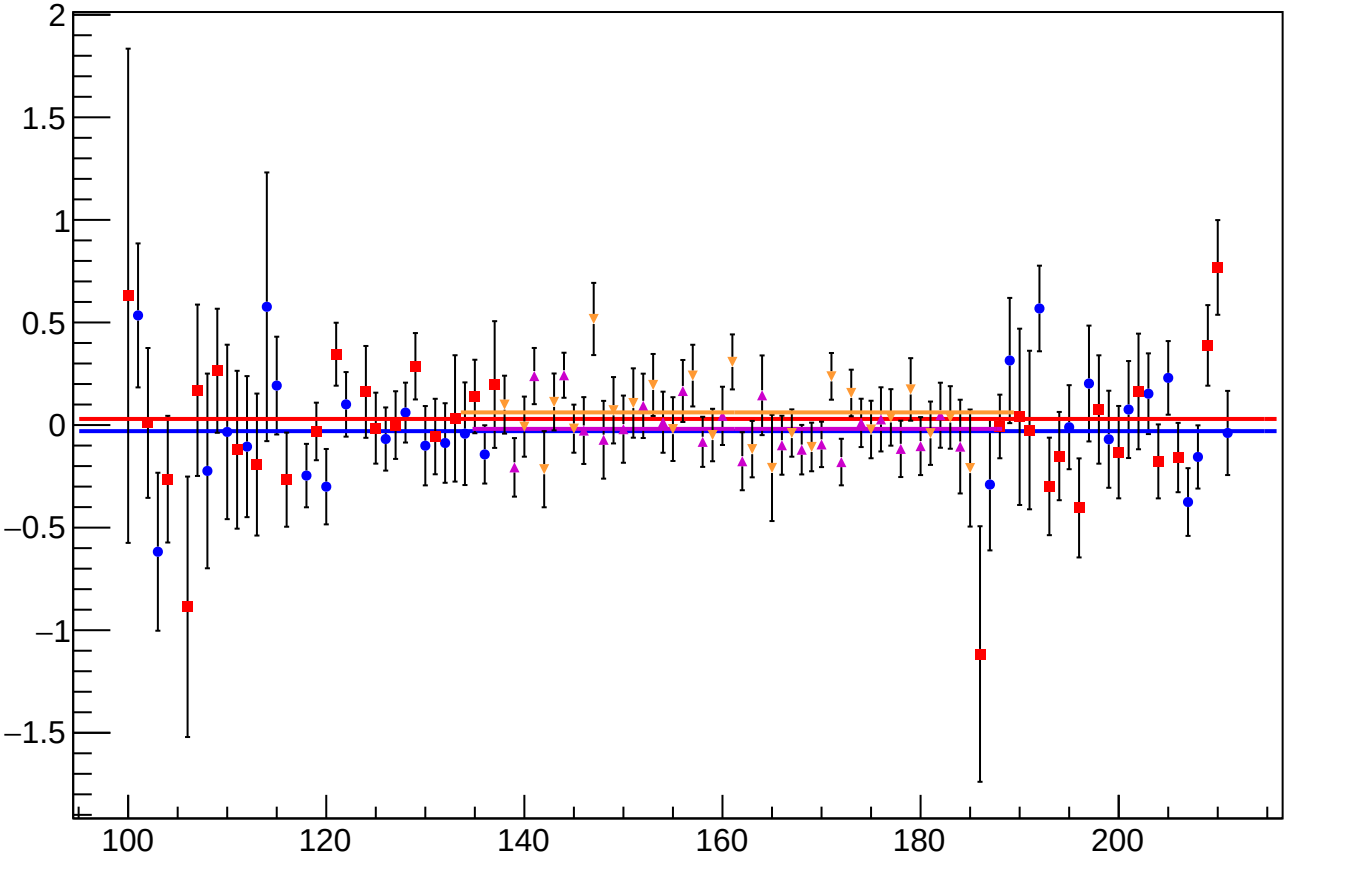
Right Out: 155.613+/-0.028 χ^2/NDF: 3841247.4/32

Left In: 123.062+/-0.021 χ^2/NDF:718844.3/22

+ sign 133.116+/-0.016 χ^2/NDF: 4554315.4/52

All: 133.886+/-0.012 χ^2/NDF: 9998210.4/108

- sign 134.681+/-0.017 χ^2/NDF: 5439399.6/55



Right In: -0.030+/-0.039 χ^2/NDF: 32.0/27

Left Out: 0.062+/-0.029 χ^2/NDF:27.4/24

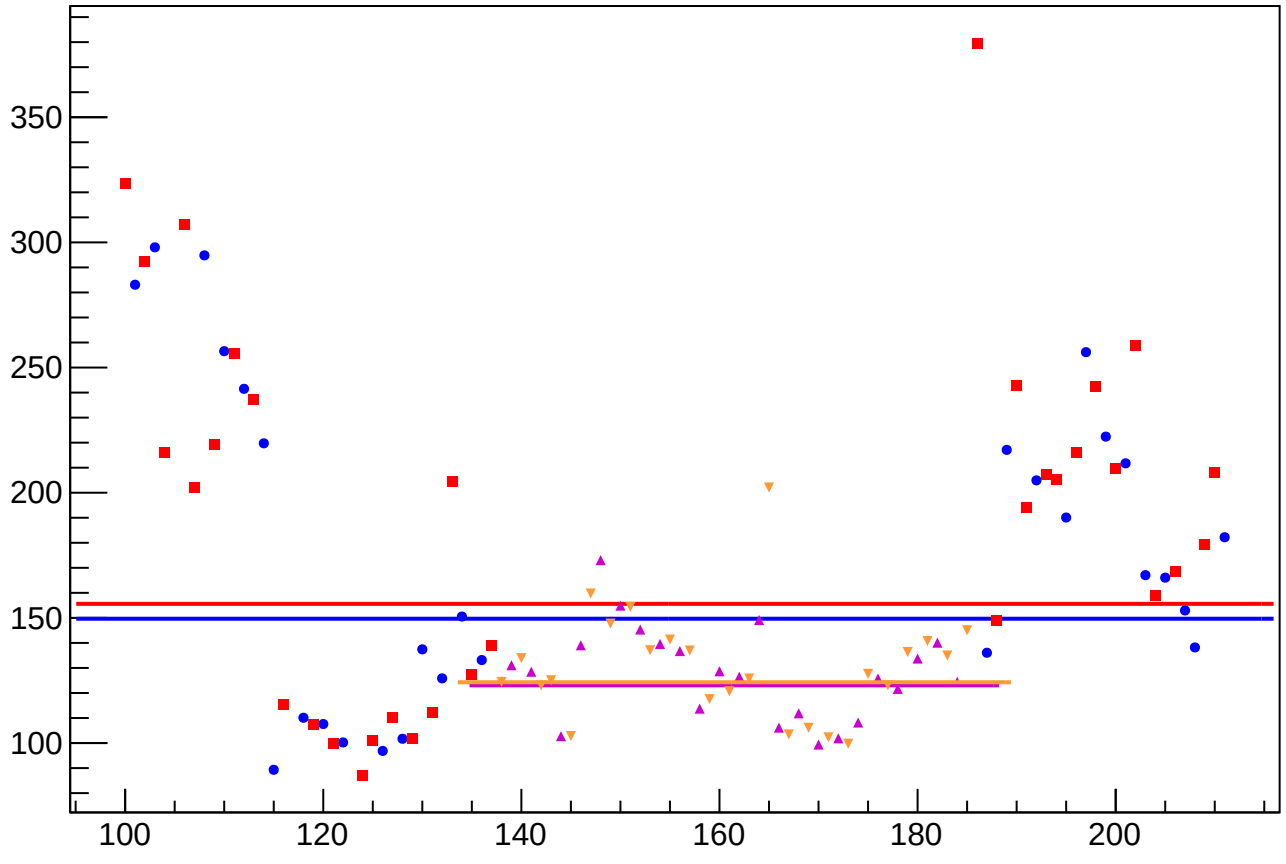
Right Out: 0.030+/-0.039 χ^2/NDF: 40.7/32

Left In: -0.019+/-0.029 χ^2/NDF:20.3/22

+ sign 0.030+/-0.023 χ^2/NDF: 63.0/52

All: 0.014+/-0.017 χ^2/NDF: 125.9/108

- sign -0.001+/-0.024 χ^2/NDF: 62.0/55



Right In: 149.664+/-0.028 χ^2/NDF: 3168956.8/27

Left Out: 124.292+/-0.020 χ^2/NDF:841035.9/24

Right Out: 155.613+/-0.028 χ^2/NDF: 3841247.4/32

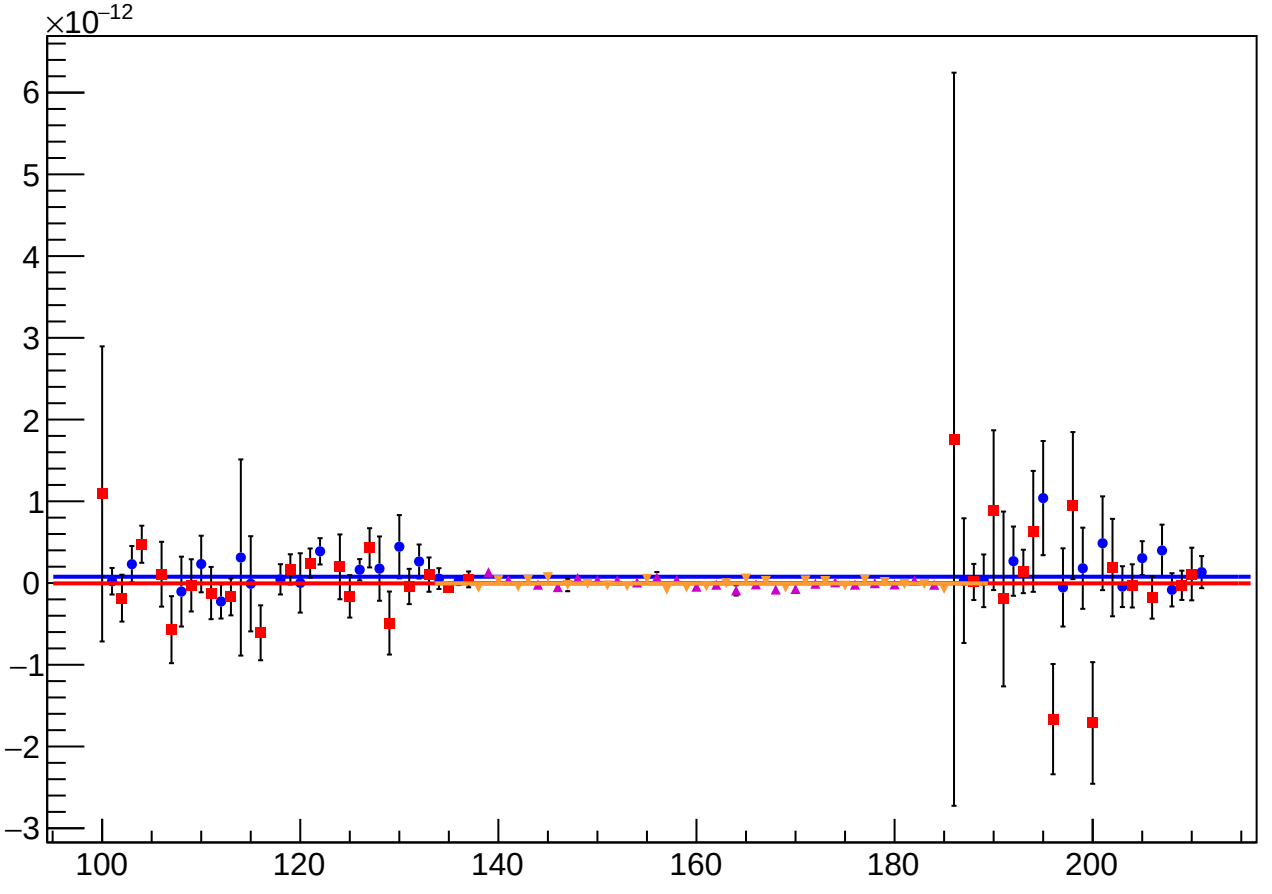
Left In: 123.062+/-0.021 χ^2/NDF:718844.3/22

+ sign 133.116+/-0.016 χ^2/NDF: 4554315.4/52

All: 133.886+/-0.012 χ^2/NDF: 9998210.4/108

- sign 134.681+/-0.017 χ^2/NDF: 5439399.6/55

asym_sam2_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 16.4/27

Left Out: -0.000+/-0.000 χ^2/NDF:24.5/24

Right Out: -0.000+/-0.000 χ^2/NDF: 35.9/32

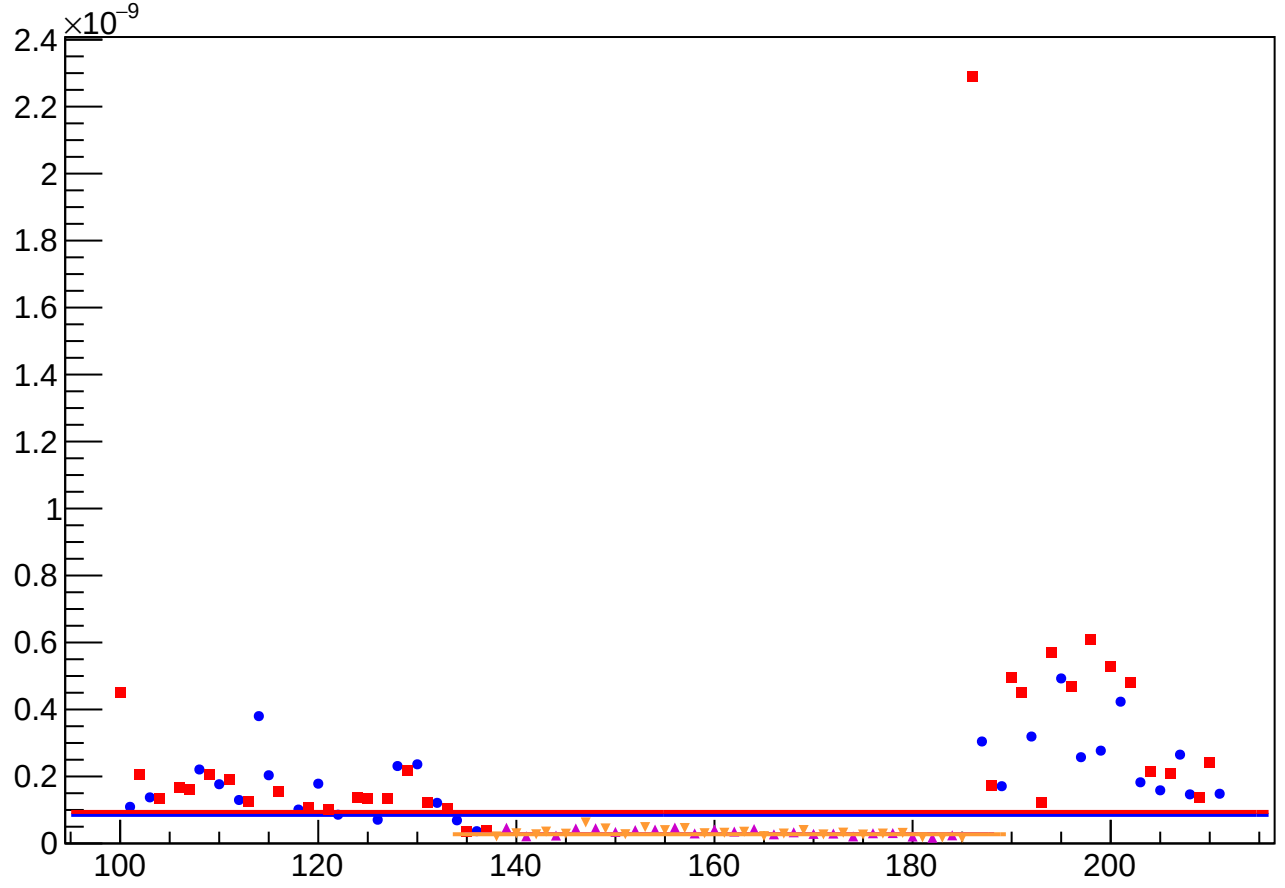
Left In: 0.000+/-0.000 χ^2/NDF:24.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 46.6/52

All: -0.000+/-0.000 χ^2/NDF: 107.1/108

- sign -0.000+/-0.000 χ^2/NDF: 60.6/55

asym_sam2_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 8134322.8/27

Left Out: 0.000+/-0.000 χ^2/NDF:2403081.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10462232.8/32

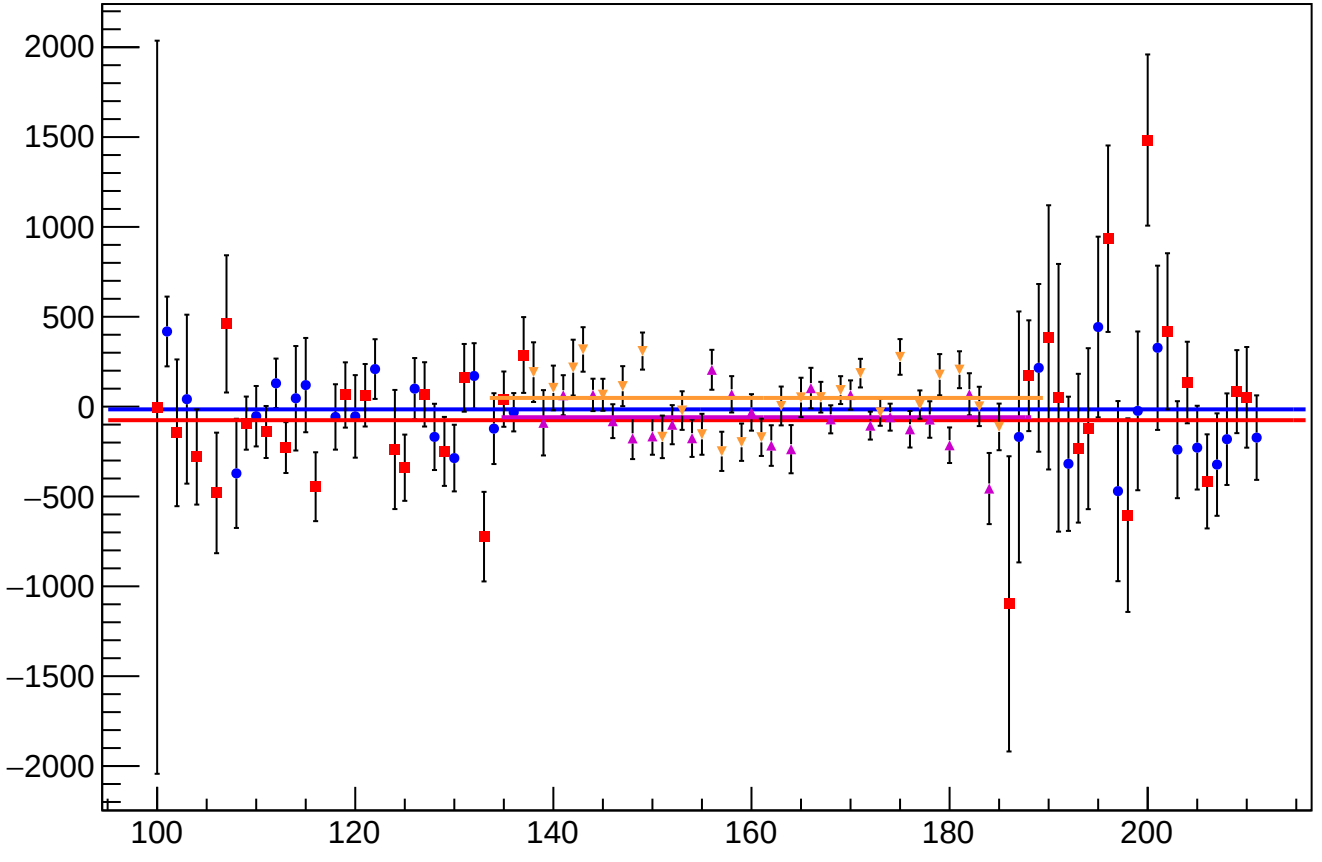
Left In: 0.000+/-0.000 χ^2/NDF:2191521.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 16215499.8/52

All: 0.000+/-0.000 χ^2/NDF: 35167142.6/108

- sign 0.000+/-0.000 χ^2/NDF: 18937382.5/55

reg_asym_sam3_mean vs Slug



Right In: -15.243+/-41.228 χ^2/NDF: 21.1/27

Left Out: 48.392+/-20.423 χ^2/NDF:53.6/24

Right Out: -75.512+/-41.343 χ^2/NDF: 48.8/32

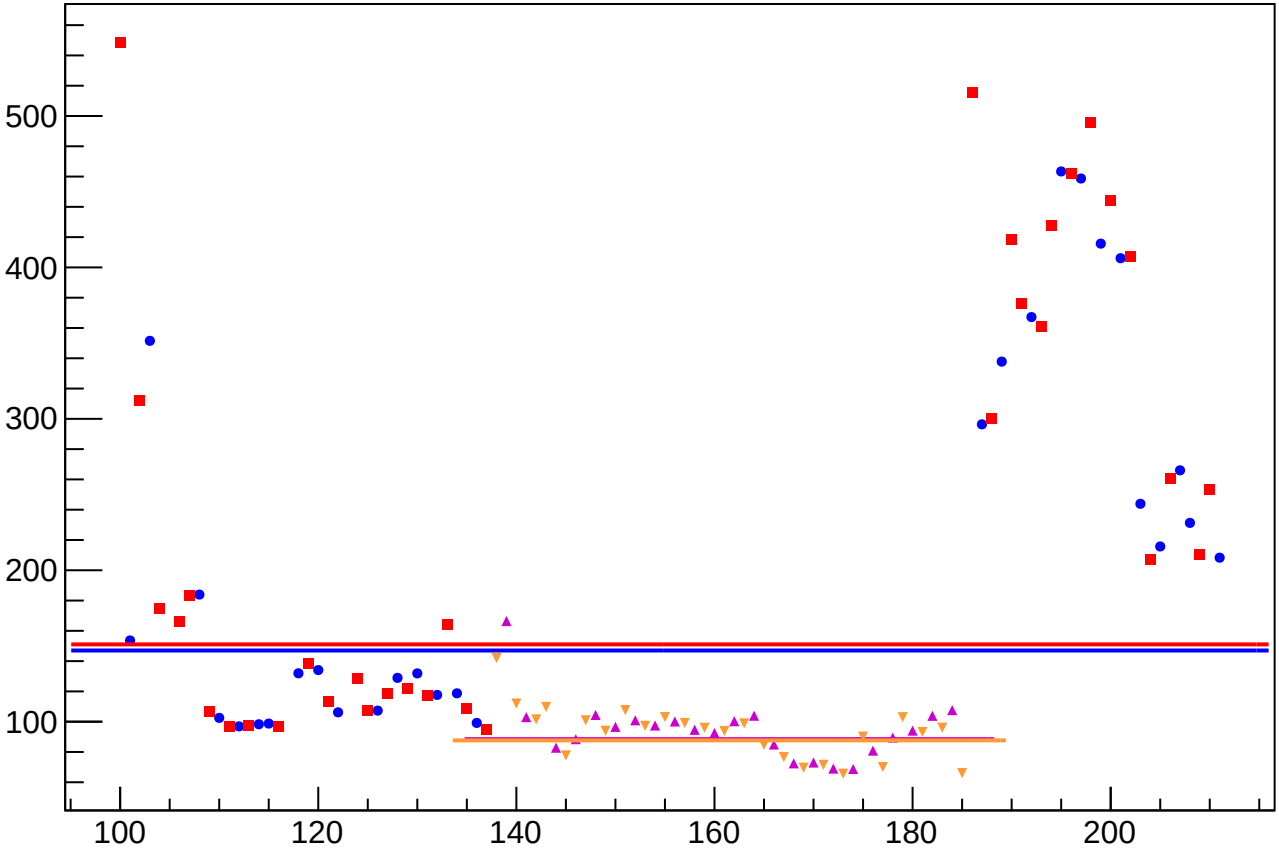
Left In: -59.014+/-21.156 χ^2/NDF:30.6/22

+ sign 35.854+/-18.301 χ^2/NDF: 76.6/52

All: -11.882+/-13.125 χ^2/NDF: 170.1/108

- sign -62.437+/-18.833 χ^2/NDF: 79.5/55

reg_asym_sam3_rms vs Slug



Right In: 147.011+/-0.029 χ^2/NDF: 6921128.1/27

Left Out: 87.656+/-0.014 χ^2/NDF:1213284.3/24

Right Out: 151.043+/-0.029 χ^2/NDF: 8472846.1/32

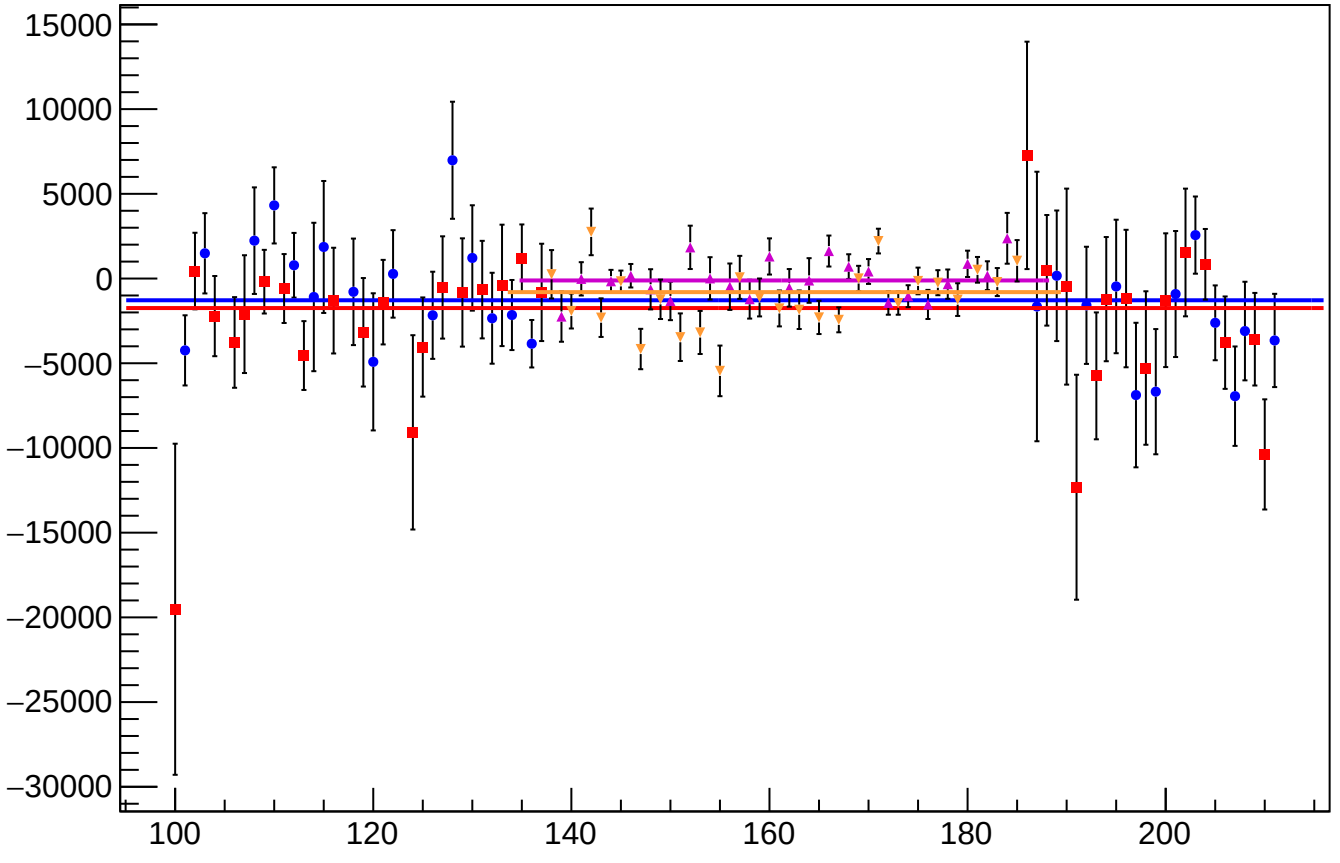
Left In: 88.482+/-0.015 χ^2/NDF:1075689.1/22

+ sign 99.351+/-0.013 χ^2/NDF: 11463029.6/52

All: 100.378+/-0.009 χ^2/NDF: 24653721.4/10

- sign 101.465+/-0.013 χ^2/NDF: 13177737.0/55

asym_sam3_reg_correction_mean vs Slug



Right In: -1282.545+/-510.920 χ^2/NDF: 36.2/27

Left Out: -801.506+/-187.755 χ^2/NDF:71.9/24

Right Out: -1742.315+/-512.203 χ^2/NDF: 30.1/32

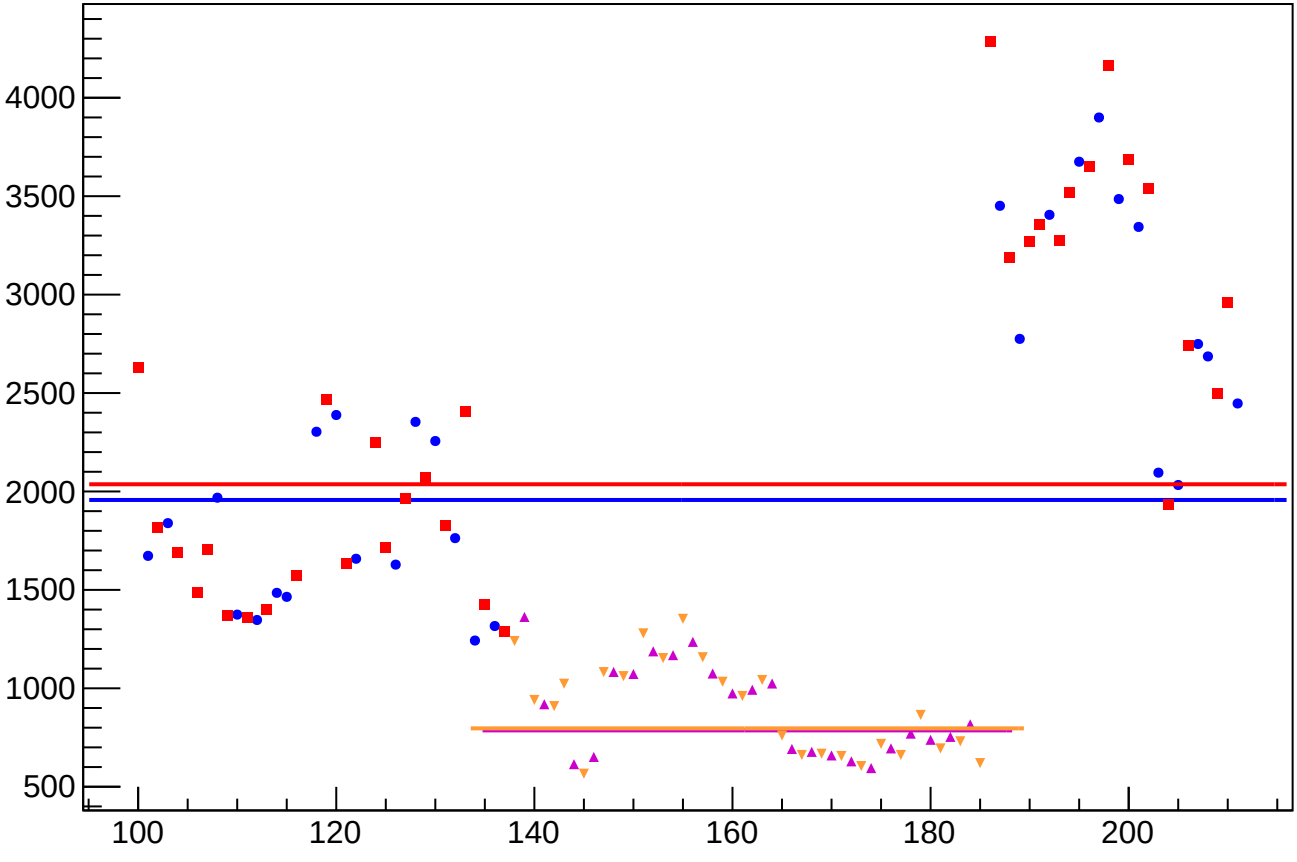
Left In: -112.483+/-190.269 χ^2/NDF:27.1/22

+ sign -858.739+/-176.232 χ^2/NDF: 108.9/52

All: -587.720+/-125.361 χ^2/NDF: 179.7/108

- sign -310.115+/-178.361 χ^2/NDF: 66.1/55

asym_sam3_reg_correction_rms vs Slug



Right In: 1956.846+/-0.361 χ^2/NDF: 3525743.2/27

Left Out: 796.524+/-0.133 χ^2/NDF:2417872.0/24

Right Out: 2036.567+/-0.362 χ^2/NDF: 4330992.0/32

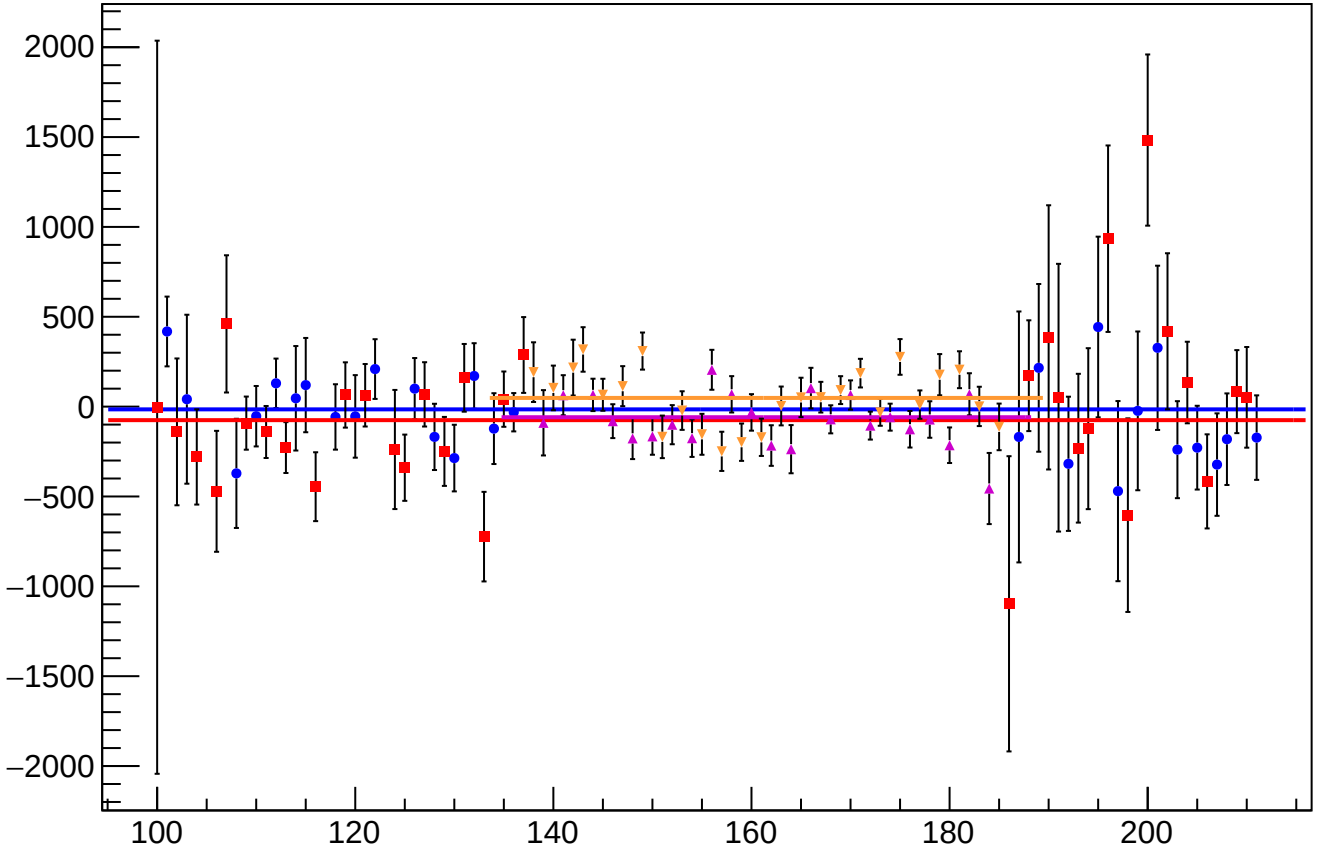
Left In: 786.336+/-0.135 χ^2/NDF:2156583.9/22

+ sign 934.576+/-0.125 χ^2/NDF: 15031633.1/52

All: 936.237+/-0.089 χ^2/NDF: 31990554.5/10

- sign 937.938+/-0.126 χ^2/NDF: 16958561.9/55

cor_asym_sam3_mean vs Slug



Right In: -15.257+/-41.228 χ^2/NDF: 21.1/27

Left Out: 48.399+/-20.423 χ^2/NDF:53.6/24

Right Out: -75.280+/-41.346 χ^2/NDF: 48.7/32

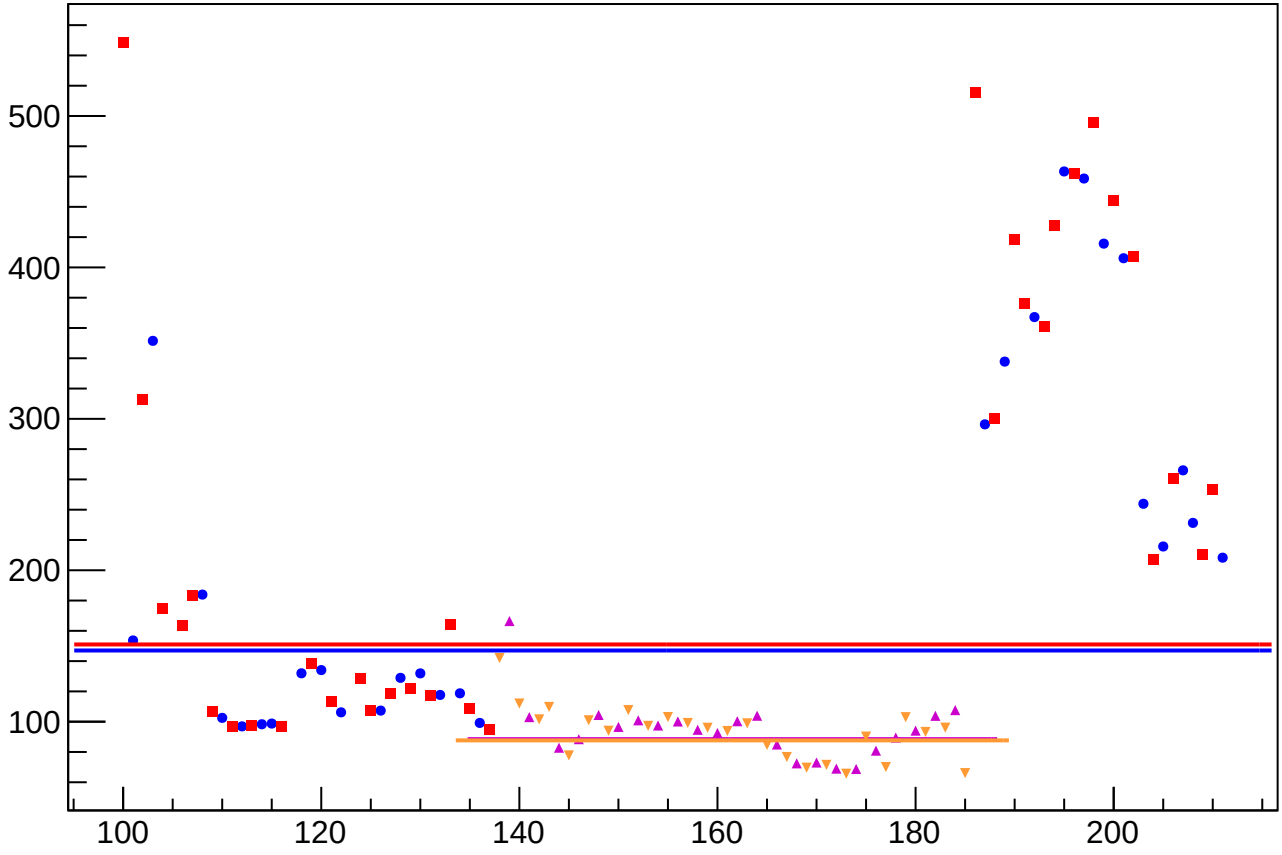
Left In: -59.016+/-21.156 χ^2/NDF:30.6/22

+ sign 35.856+/-18.301 χ^2/NDF: 76.6/52

All: -11.857+/-13.125 χ^2/NDF: 170.0/108

- sign -62.391+/-18.834 χ^2/NDF: 79.4/55

cor_asym_sam3_rms vs Slug



Right In: 147.011+/-0.029 χ^2/NDF: 6921130.6/27

Left Out: 87.656+/-0.014 χ^2/NDF:1213284.3/24

Right Out: 151.004+/-0.029 χ^2/NDF: 8471770.7/32

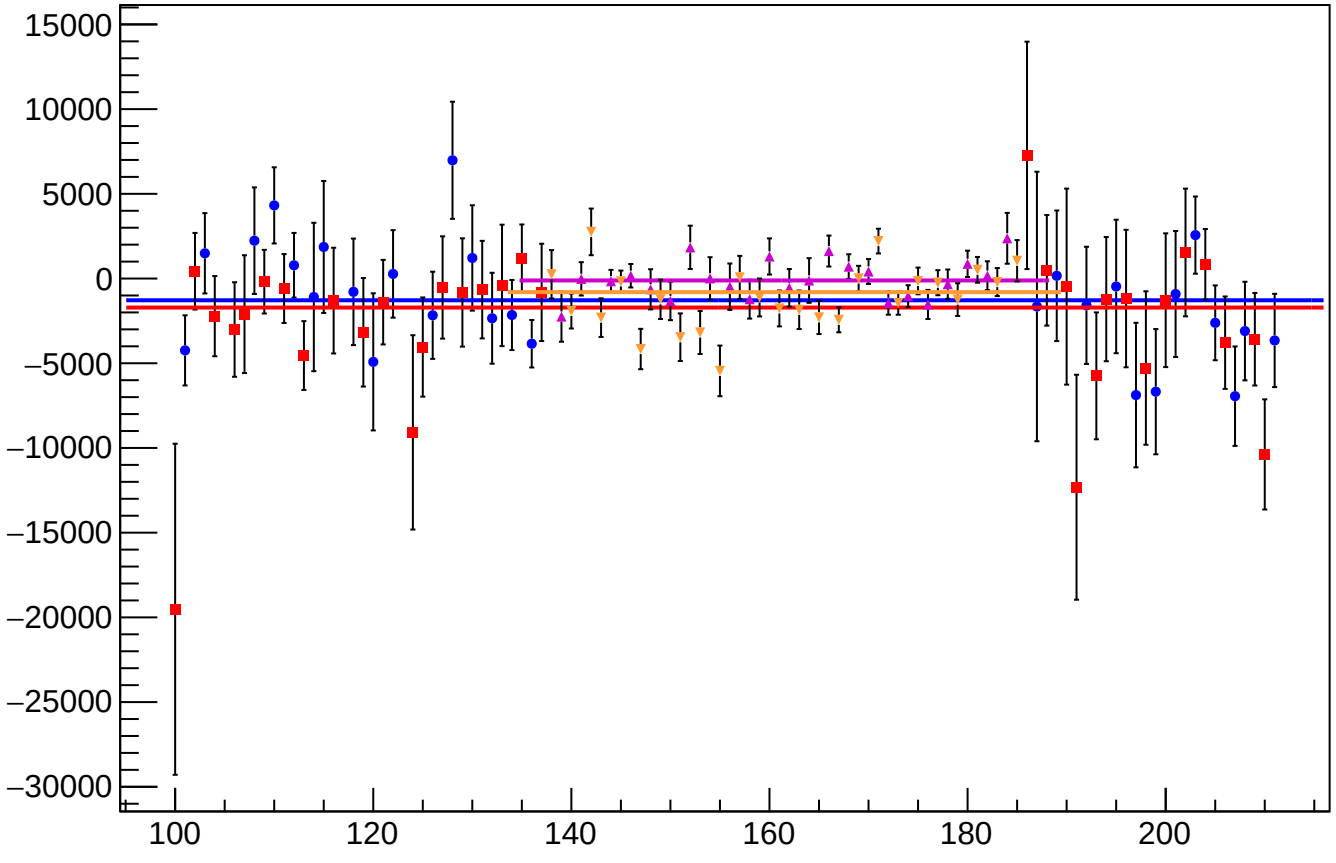
Left In: 88.482+/-0.015 χ^2/NDF:1075689.1/22

+ sign 99.351+/-0.013 χ^2/NDF: 11463031.2/52

All: 100.373+/-0.009 χ^2/NDF: 24647748.2/10

- sign 101.456+/-0.013 χ^2/NDF: 13171873.9/55

asym_sam3_cor_correction_mean vs Slug



Right In: -1282.539+/-510.922 χ^2/NDF: 36.2/27

Left Out: -801.499+/-187.755 χ^2/NDF:71.9/24

Right Out: -1711.396+/-512.987 χ^2/NDF: 29.7/32

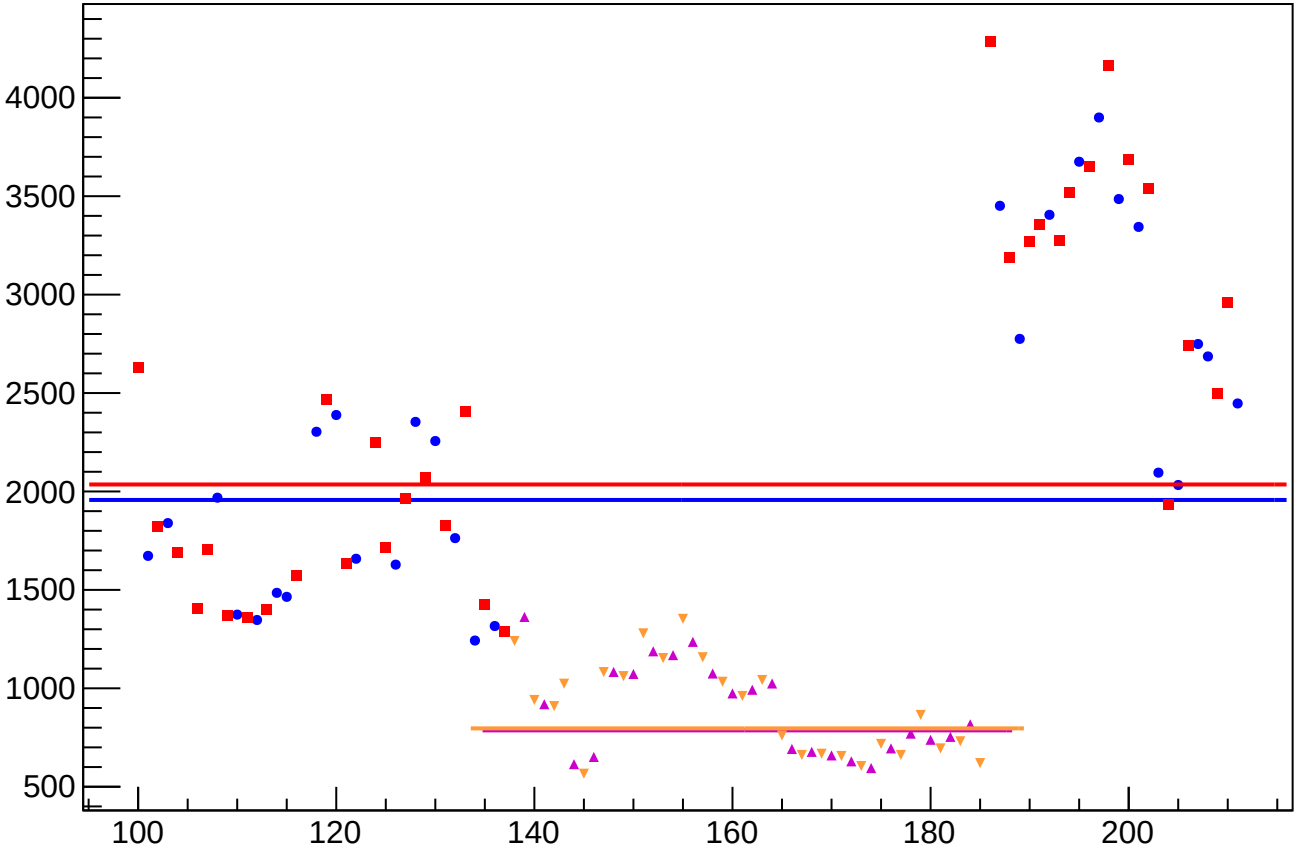
Left In: -112.485+/-190.269 χ^2/NDF:27.1/22

+ sign -858.731+/-176.232 χ^2/NDF: 108.9/52

All: -585.659+/-125.372 χ^2/NDF: 179.0/108

- sign -305.847+/-178.394 χ^2/NDF: 65.3/55

asym_sam3_cor_correction_rms vs Slug



Right In: 1956.856+/-0.361 χ^2/NDF: 3525730.1/27

Left Out: 796.523+/-0.133 χ^2/NDF:2417869.7/24

Right Out: 2035.557+/-0.363 χ^2/NDF: 4348438.1/32

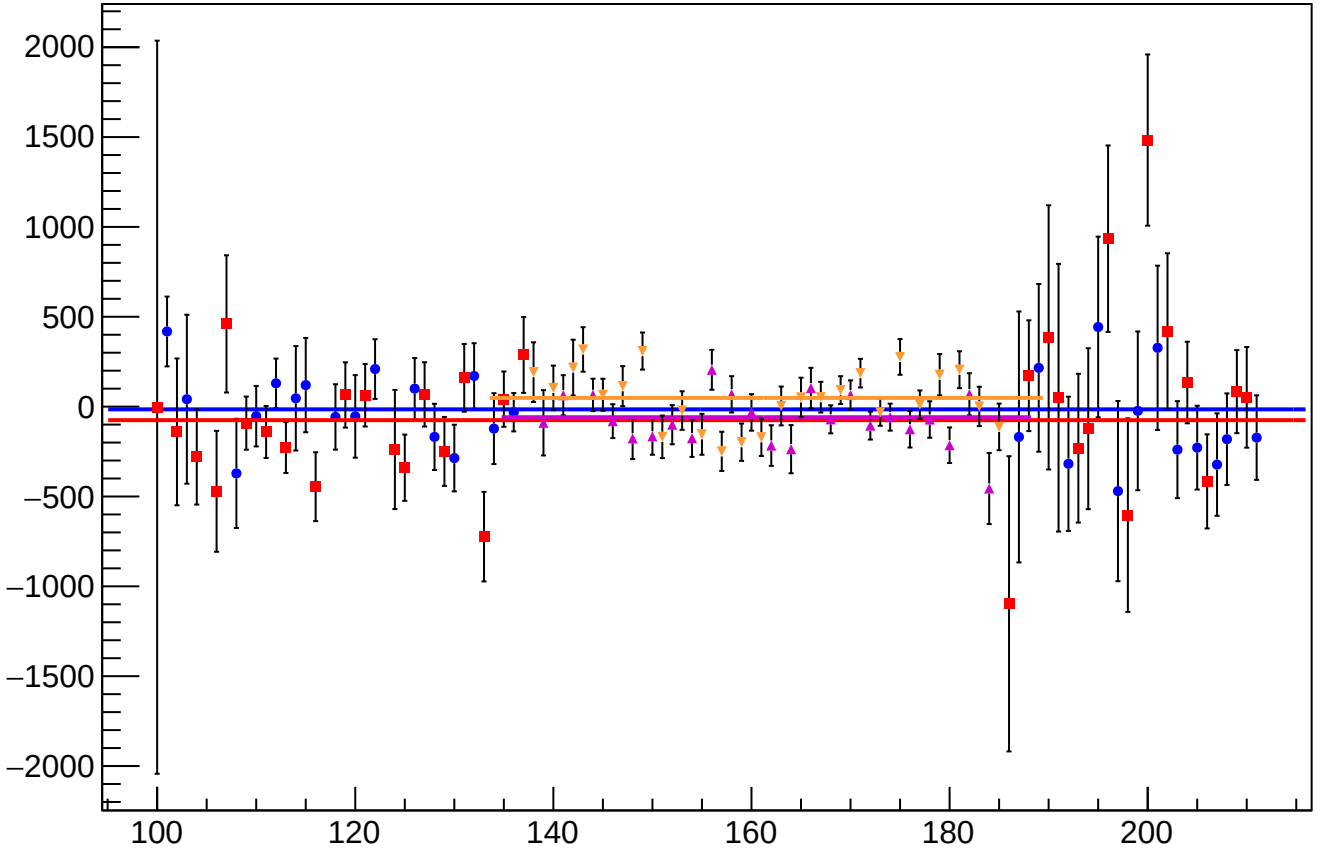
Left In: 786.336+/-0.135 χ^2/NDF:2156582.1/22

+ sign 934.576+/-0.125 χ^2/NDF: 15031693.7/52

All: 935.975+/-0.089 χ^2/NDF: 31962976.9/10

- sign 937.409+/-0.126 χ^2/NDF: 16931027.9/55

eigen_cor_asym_sam3_mean vs Slug



Right In: -15.257+/-41.228 χ^2/NDF: 21.1/27

Left Out: 48.399+/-20.423 χ^2/NDF:53.6/24

Right Out: -75.280+/-41.346 χ^2/NDF: 48.7/32

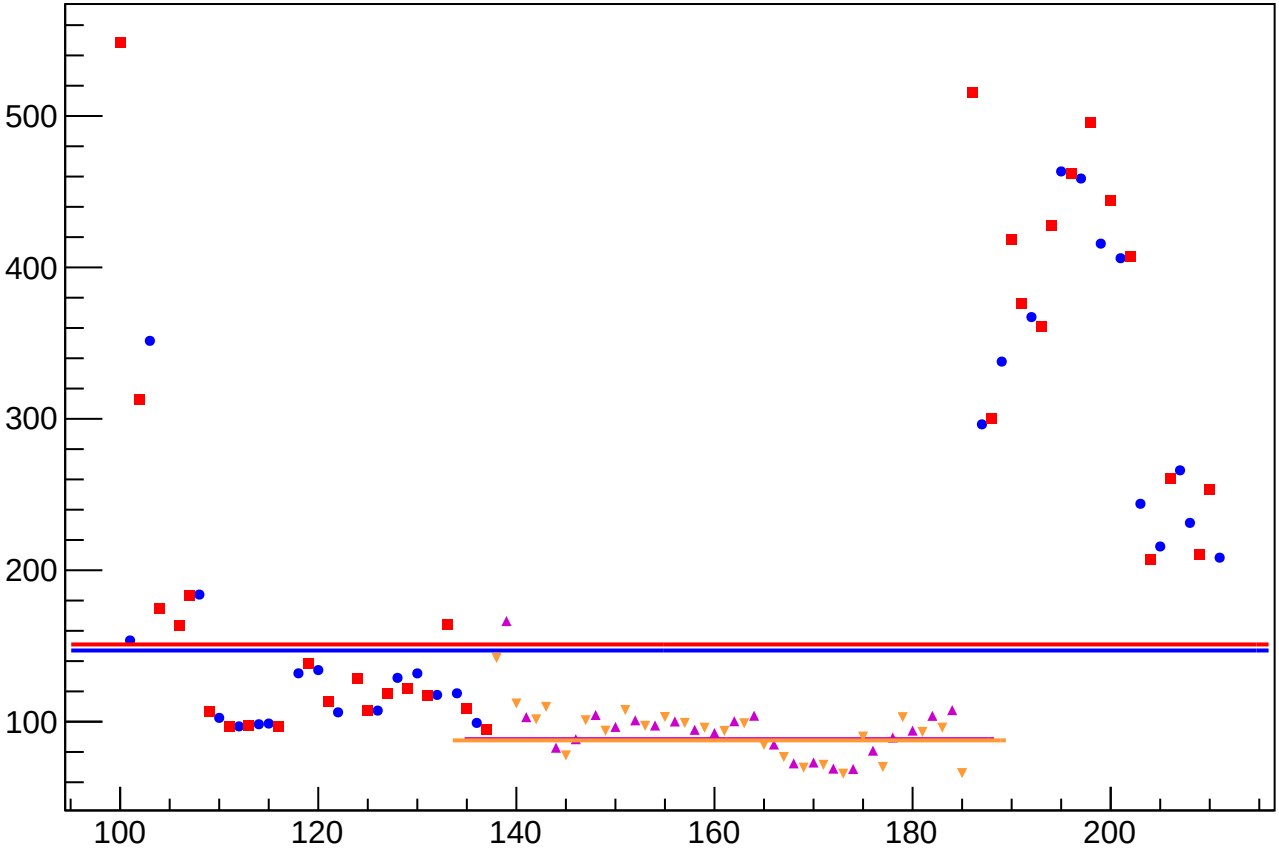
Left In: -59.016+/-21.156 χ^2/NDF:30.6/22

+ sign 35.856+/-18.301 χ^2/NDF: 76.6/52

All: -11.857+/-13.125 χ^2/NDF: 170.0/108

- sign -62.391+/-18.834 χ^2/NDF: 79.4/55

eigen_cor_asym_sam3_rms vs Slug



Right In: 147.011+/-0.029 χ^2/NDF: 6921130.6/27

Left Out: 87.656+/-0.014 χ^2/NDF:1213284.3/24

Right Out: 151.004+/-0.029 χ^2/NDF: 8471770.7/32

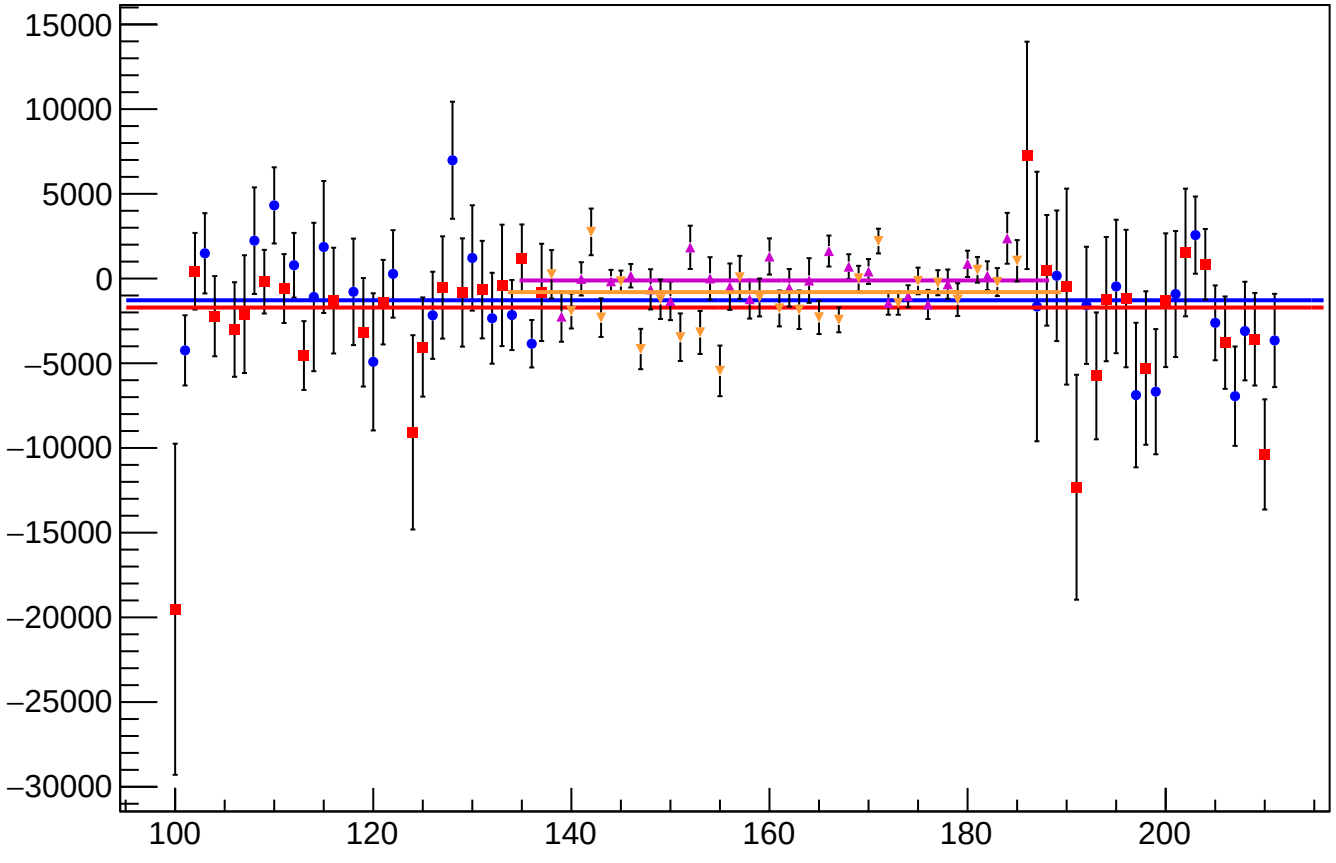
Left In: 88.482+/-0.015 χ^2/NDF:1075689.1/22

+ sign 99.351+/-0.013 χ^2/NDF: 11463031.2/52

All: 100.373+/-0.009 χ^2/NDF: 24647748.2/10

- sign 101.456+/-0.013 χ^2/NDF: 13171873.9/55

asym_sam3_eigen_cor_correction_mean vs Slug



Right In: -1282.539+/-510.922 χ^2/NDF: 36.2/27

Left Out: -801.499+/-187.755 χ^2/NDF:71.9/24

Right Out: -1711.396+/-512.987 χ^2/NDF: 29.7/32

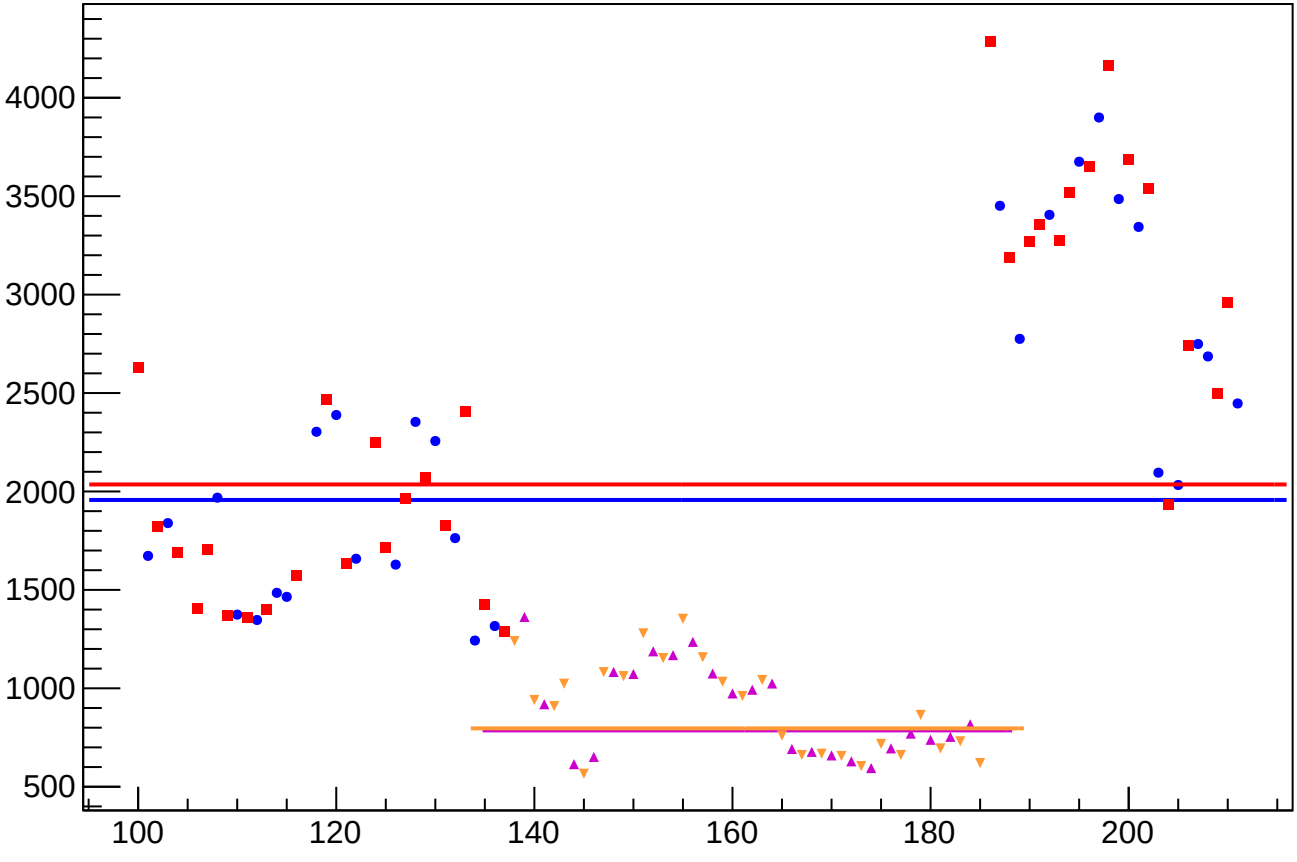
Left In: -112.485+/-190.269 χ^2/NDF:27.1/22

+ sign -858.731+/-176.232 χ^2/NDF: 108.9/52

All: -585.659+/-125.372 χ^2/NDF: 179.0/108

- sign -305.847+/-178.394 χ^2/NDF: 65.3/55

asym_sam3_eigen_cor_correction_rms vs Slug



Right In: 1956.856+/-0.361 χ^2/NDF: 3525730.1/27

Left Out: 796.523+/-0.133 χ^2/NDF:2417869.7/24

Right Out: 2035.557+/-0.363 χ^2/NDF: 4348438.1/32

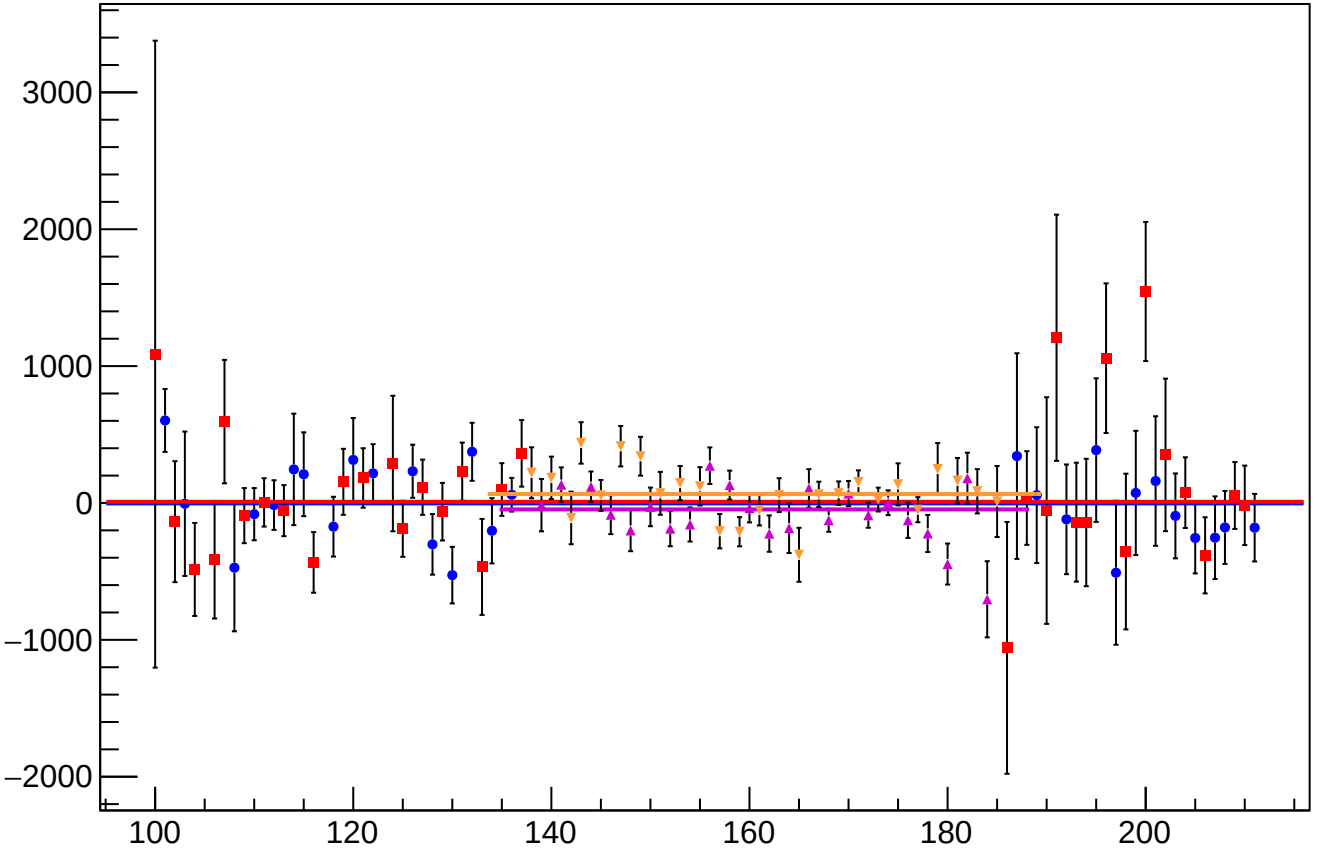
Left In: 786.336+/-0.135 χ^2/NDF:2156582.1/22

+ sign 934.576+/-0.125 χ^2/NDF: 15031693.7/52

All: 935.975+/-0.089 χ^2/NDF: 31962976.9/10

- sign 937.409+/-0.126 χ^2/NDF: 16931027.9/55

dit_asym_sam3_mean vs Slug



Right In: -2.864+/-48.388 χ^2/NDF: 30.2/27

Left Out: 65.702+/-25.059 χ^2/NDF:40.0/24

Right Out: 8.751+/-49.372 χ^2/NDF: 36.4/32

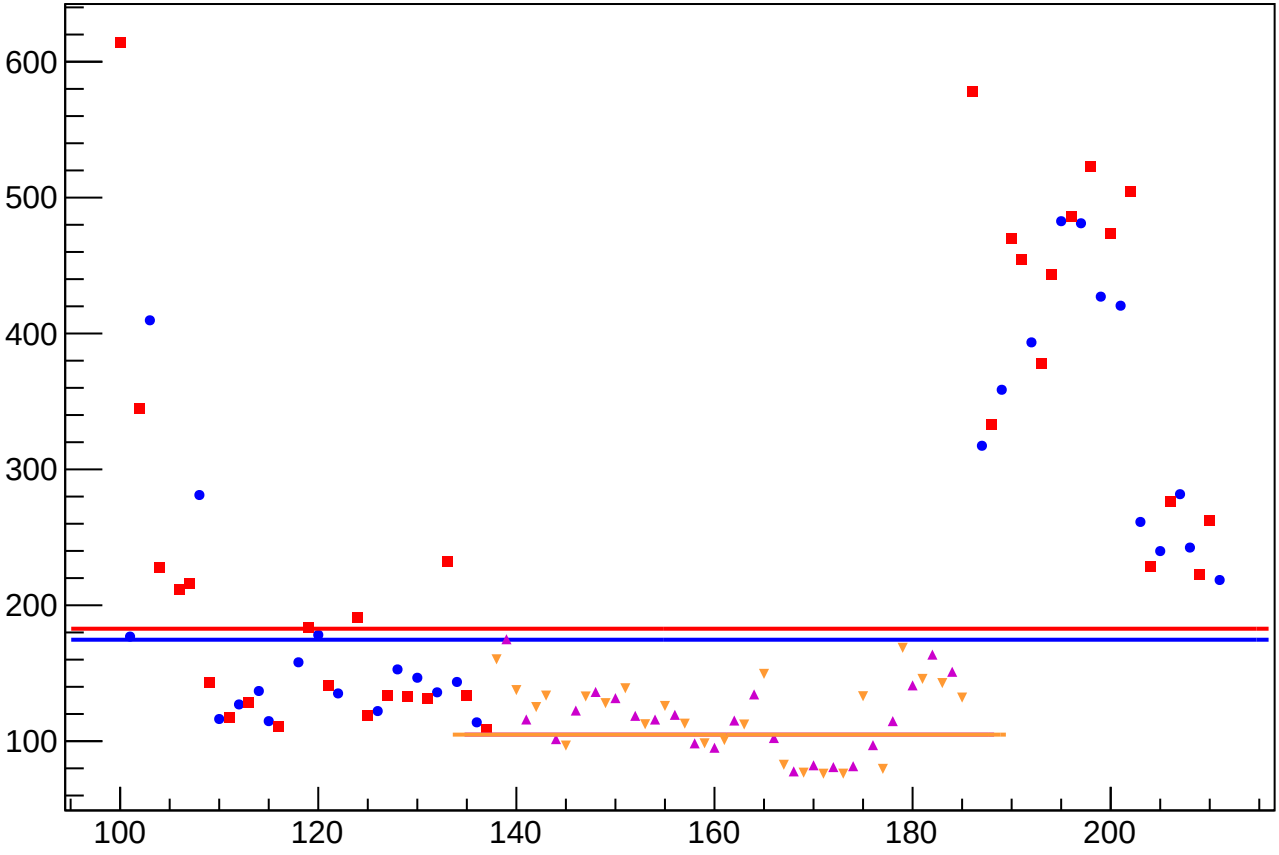
Left In: -47.039+/-25.696 χ^2/NDF:38.6/22

+ sign 51.202+/-22.252 χ^2/NDF: 71.9/52

All: 9.065+/-15.923 χ^2/NDF: 155.3/108

- sign -35.148+/-22.794 χ^2/NDF: 76.1/55

dit_asym_sam3_rms vs Slug



Right In: 174.650+/-0.034 χ^2/NDF: 5990692.1/27

Left Out: 104.810+/-0.018 χ^2/NDF:2242795.3/24

Right Out: 182.748+/-0.035 χ^2/NDF: 7453418.7/32

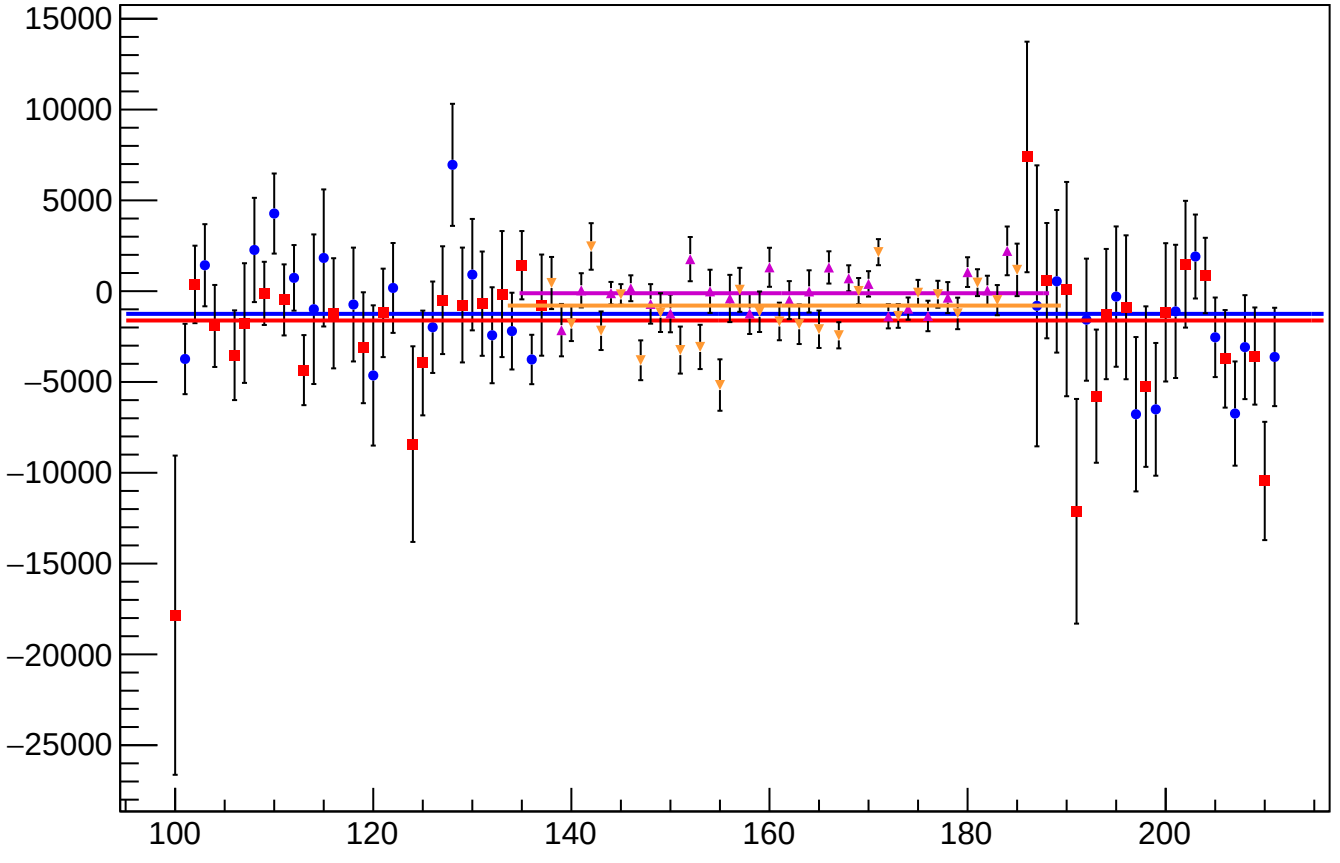
Left In: 104.835+/-0.018 χ^2/NDF:1614476.5/22

+ sign 119.580+/-0.016 χ^2/NDF: 11518768.5/52

All: 120.488+/-0.011 χ^2/NDF: 24512569.8/10

- sign 121.441+/-0.016 χ^2/NDF: 12986973.2/55

asym_sam3_dit_correction_mean vs Slug



Right In: -1249.591+/-497.885 χ^2/NDF: 35.3/27

Left Out: -793.070+/-179.897 χ^2/NDF:70.0/24

Right Out: -1614.123+/-492.943 χ^2/NDF: 31.9/32

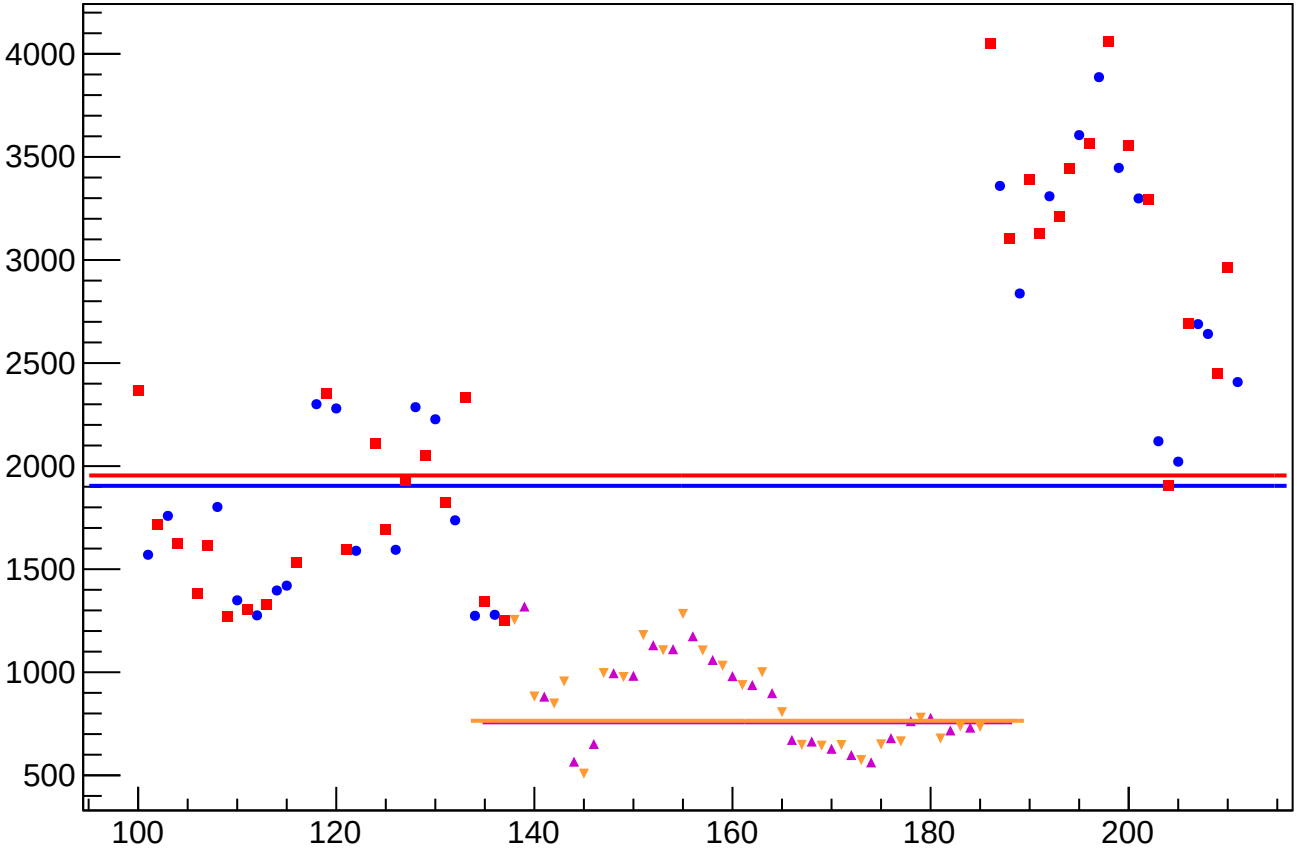
Left In: -113.680+/-183.126 χ^2/NDF:26.3/22

+ sign -845.788+/-169.191 χ^2/NDF: 106.0/52

All: -574.704+/-120.501 χ^2/NDF: 177.6/108

- sign -295.641+/-171.663 χ^2/NDF: 66.4/55

asym_sam3_dit_correction_rms vs Slug



Right In: 1904.378+/-0.352 χ^2/NDF: 3649253.5/27

Left Out: 764.734+/-0.127 χ^2/NDF:2425556.5/24

Right Out: 1954.621+/-0.349 χ^2/NDF: 4538950.5/32

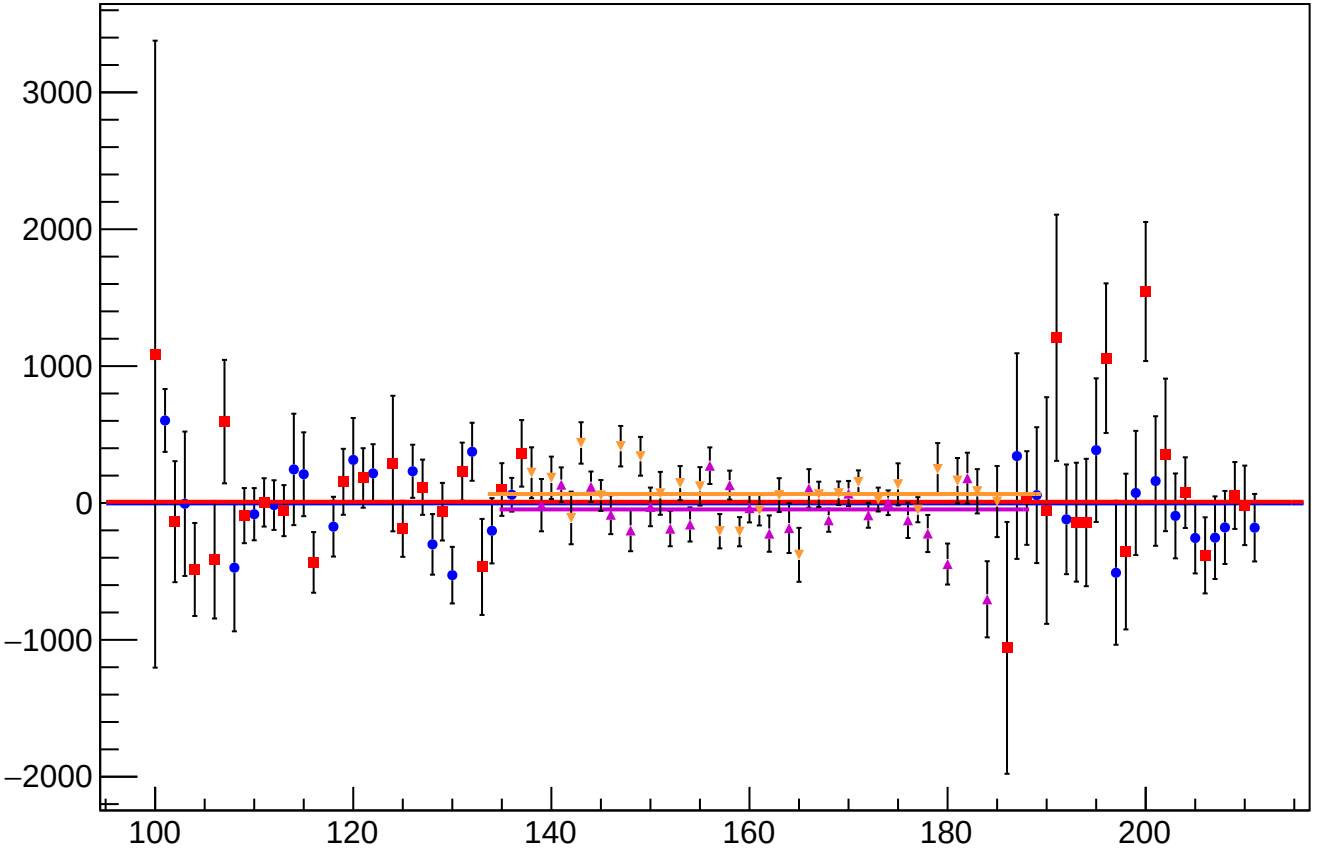
Left In: 756.927+/-0.129 χ^2/NDF:2115280.1/22

+ sign 896.337+/-0.120 χ^2/NDF: 15343498.1/52

All: 899.213+/-0.085 χ^2/NDF: 32373786.9/10

- sign 902.173+/-0.121 χ^2/NDF: 17029116.3/55

eigen_dit_asym_sam3_mean vs Slug



Right In: -2.864+/-48.388 χ^2/NDF: 30.2/27

Left Out: 65.703+/-25.059 χ^2/NDF:40.0/24

Right Out: 8.755+/-49.373 χ^2/NDF: 36.4/32

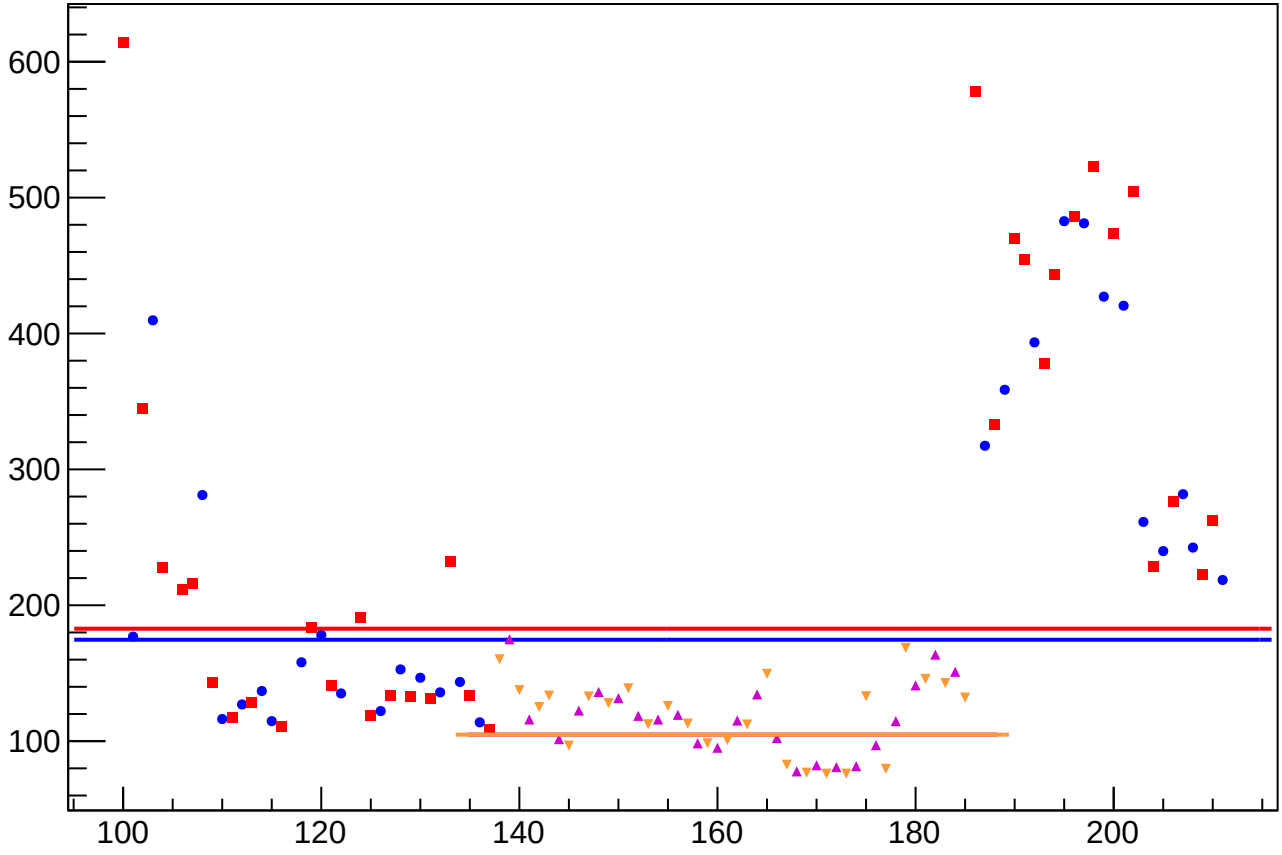
Left In: -47.038+/-25.696 χ^2/NDF:38.6/22

+ sign 51.202+/-22.252 χ^2/NDF: 71.9/52

All: 9.066+/-15.923 χ^2/NDF: 155.3/108

- sign -35.146+/-22.794 χ^2/NDF: 76.1/55

eigen_dit_asym_sam3_rms vs Slug



Right In: 174.650+/-0.034 χ^2/NDF: 5990680.4/27

Left Out: 104.810+/-0.018 χ^2/NDF:2242815.0/24

Right Out: 182.749+/-0.035 χ^2/NDF: 7453399.3/32

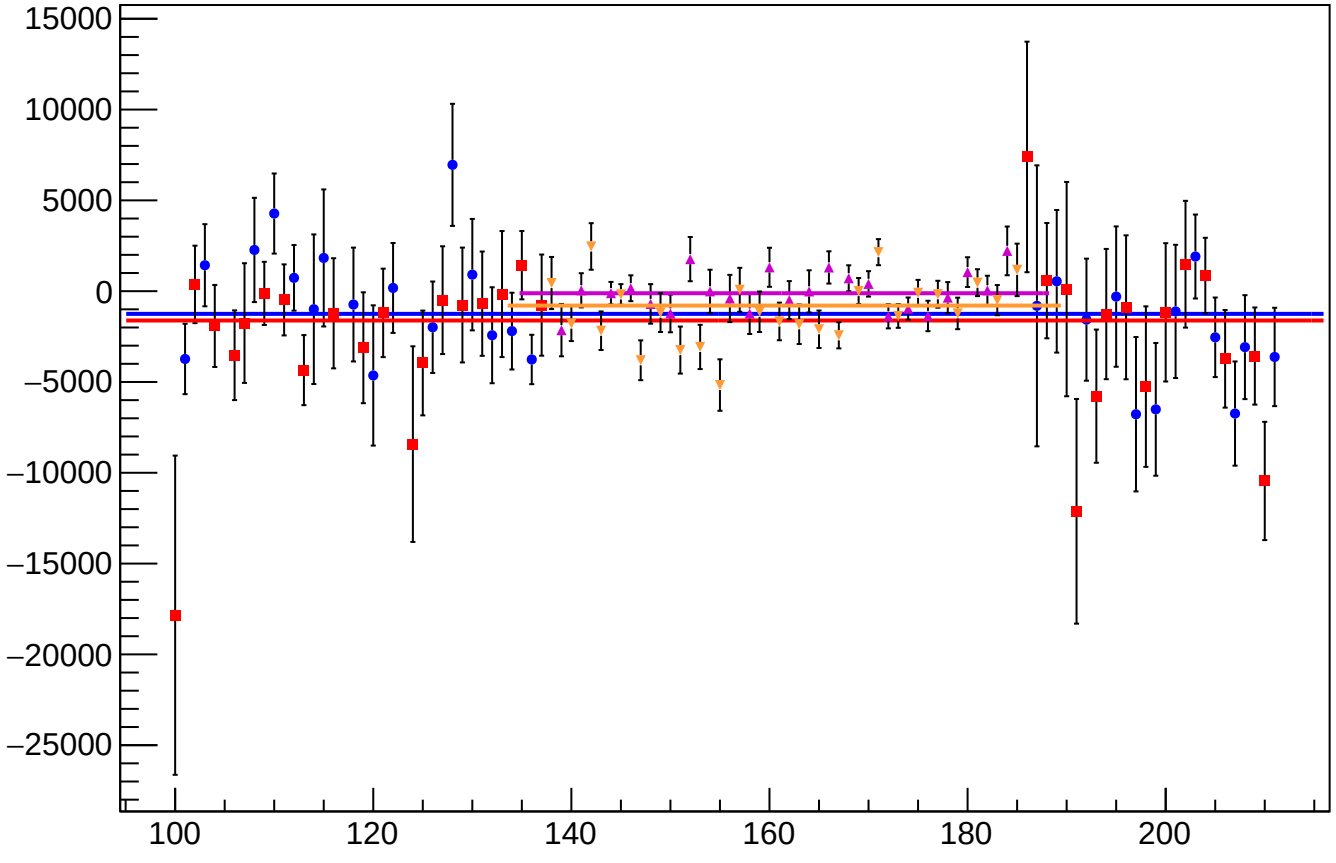
Left In: 104.835+/-0.018 χ^2/NDF:1614484.2/22

+ sign 119.580+/-0.016 χ^2/NDF: 11518762.8/52

All: 120.488+/-0.011 χ^2/NDF: 24512556.8/10

- sign 121.441+/-0.016 χ^2/NDF: 12986966.0/55

asym_sam3_eigen_dit_correction_mean vs Slug



Right In: -1249.589+/-497.885 χ^2/NDF: 35.3/27

Left Out: -793.071+/-179.896 χ^2/NDF:70.0/24

Right Out: -1614.122+/-492.942 χ^2/NDF: 31.9/32

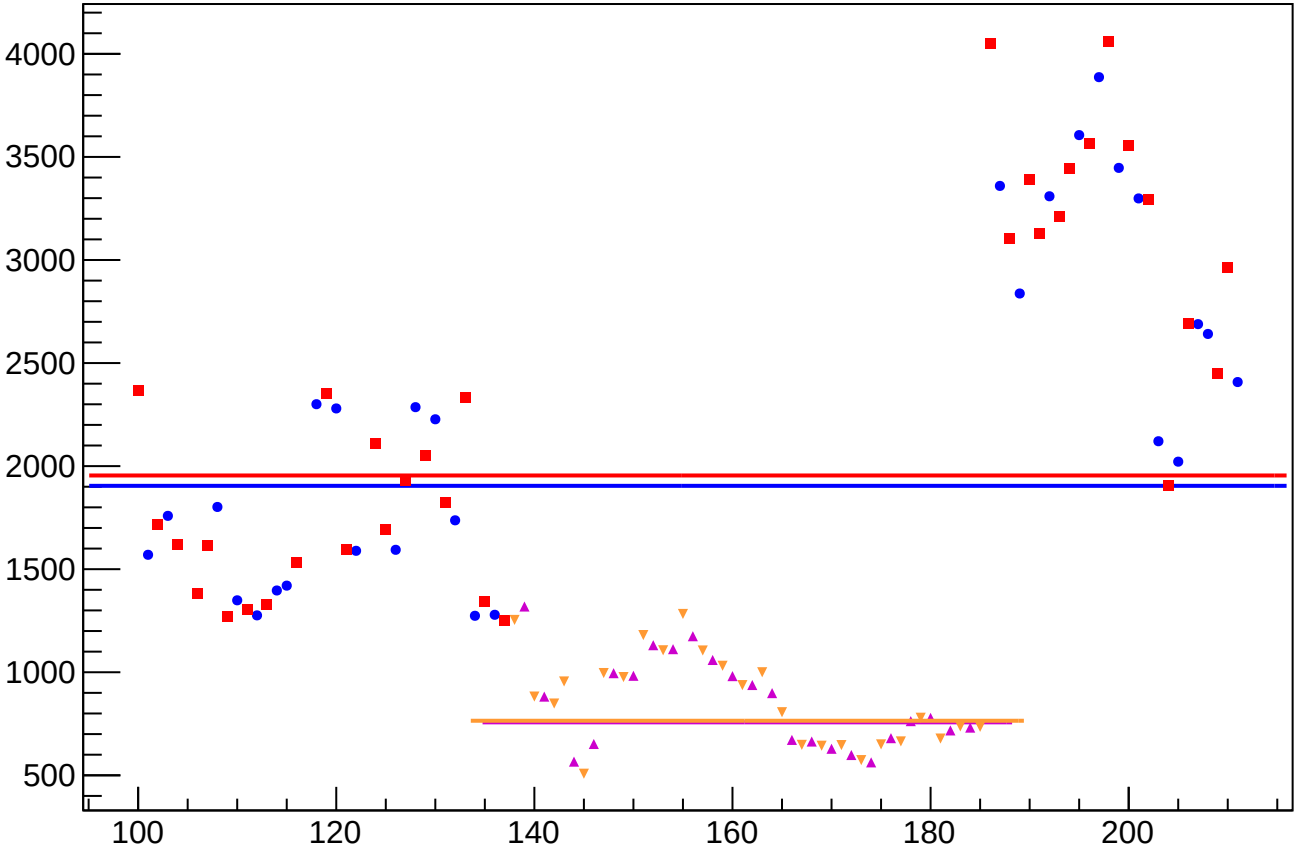
Left In: -113.680+/-183.125 χ^2/NDF:26.3/22

+ sign -845.789+/-169.191 χ^2/NDF: 106.0/52

All: -574.704+/-120.500 χ^2/NDF: 177.6/108

- sign -295.641+/-171.663 χ^2/NDF: 66.4/55

asym_sam3_eigen_dit_correction_rms vs Slug



Right In: 1904.376+/-0.352 χ^2/NDF: 3649253.9/27

Left Out: 764.734+/-0.127 χ^2/NDF:2425549.9/24

Right Out: 1954.619+/-0.349 χ^2/NDF: 4538952.2/32

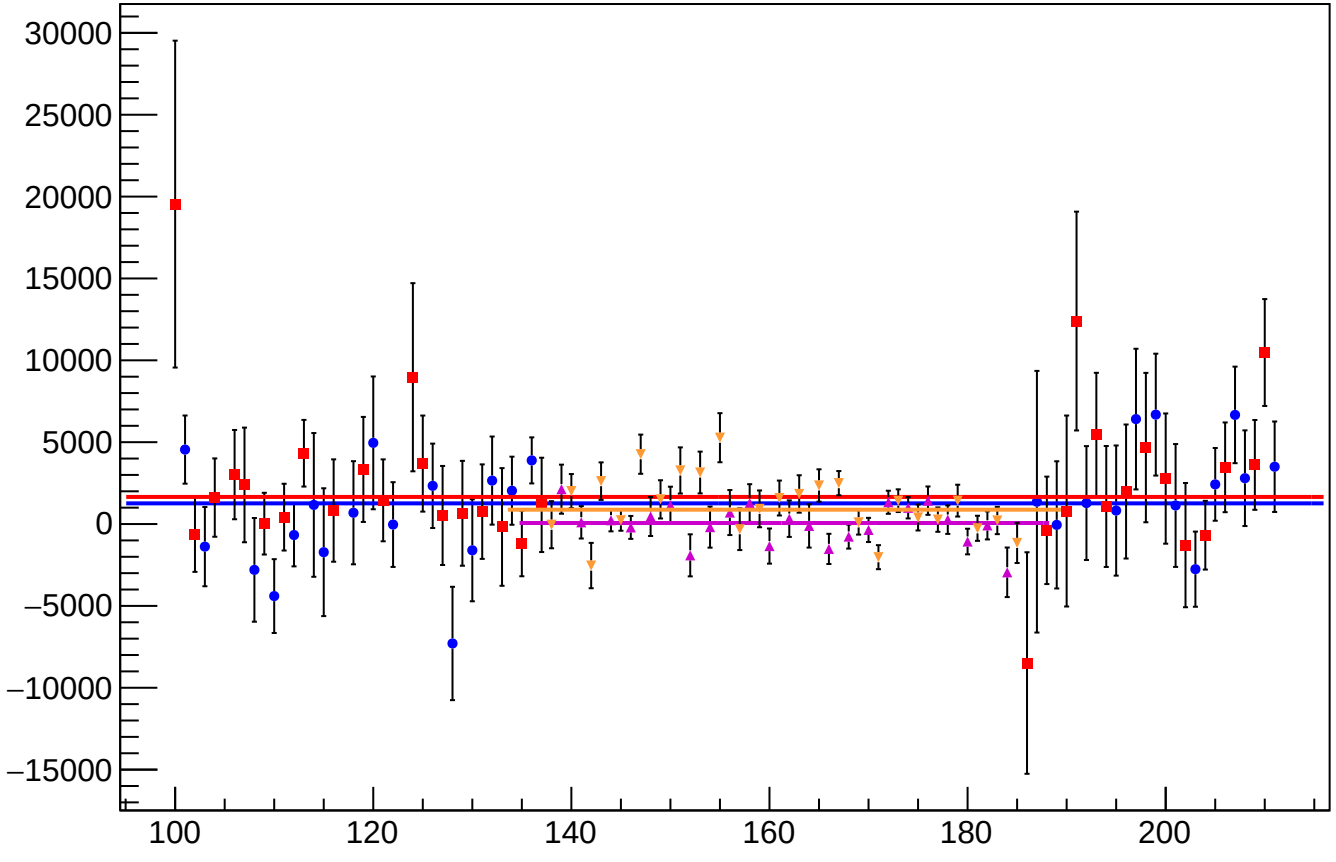
Left In: 756.926+/-0.129 χ^2/NDF:2115275.0/22

+ sign 896.336+/-0.120 χ^2/NDF: 15343491.0/52

All: 899.212+/-0.085 χ^2/NDF: 32373770.5/10

- sign 902.172+/-0.121 χ^2/NDF: 17029106.9/55

asym_sam3_mean vs Slug



Right In: 1262.882+/-513.494 χ^2/NDF: 36.7/27

Left Out: 876.482+/-188.998 χ^2/NDF:67.3/24

Right Out: 1655.852+/-515.075 χ^2/NDF: 29.3/32

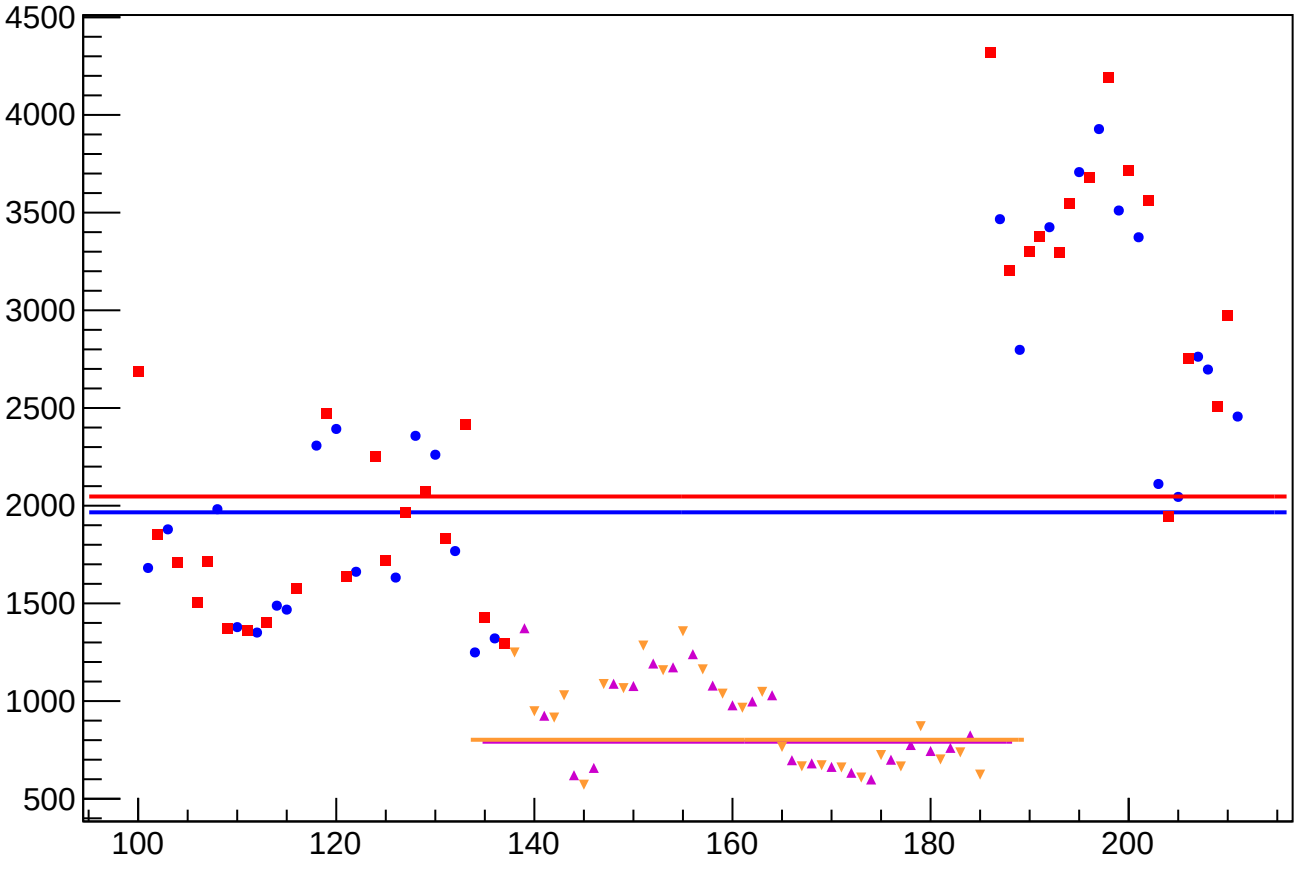
Left In: 62.754+/-191.596 χ^2/NDF:27.1/22

+ sign 922.583+/-177.366 χ^2/NDF: 104.4/52

All: 593.611+/-126.190 χ^2/NDF: 176.2/108

- sign 256.394+/-179.575 χ^2/NDF: 64.8/55

asym_sam3_rms vs Slug



Right In: 1966.050+/-0.363 χ^2/NDF: 3544670.2/27

Left Out: 802.014+/-0.134 χ^2/NDF:2396024.4/24

Right Out: 2047.038+/-0.364 χ^2/NDF: 4347898.3/32

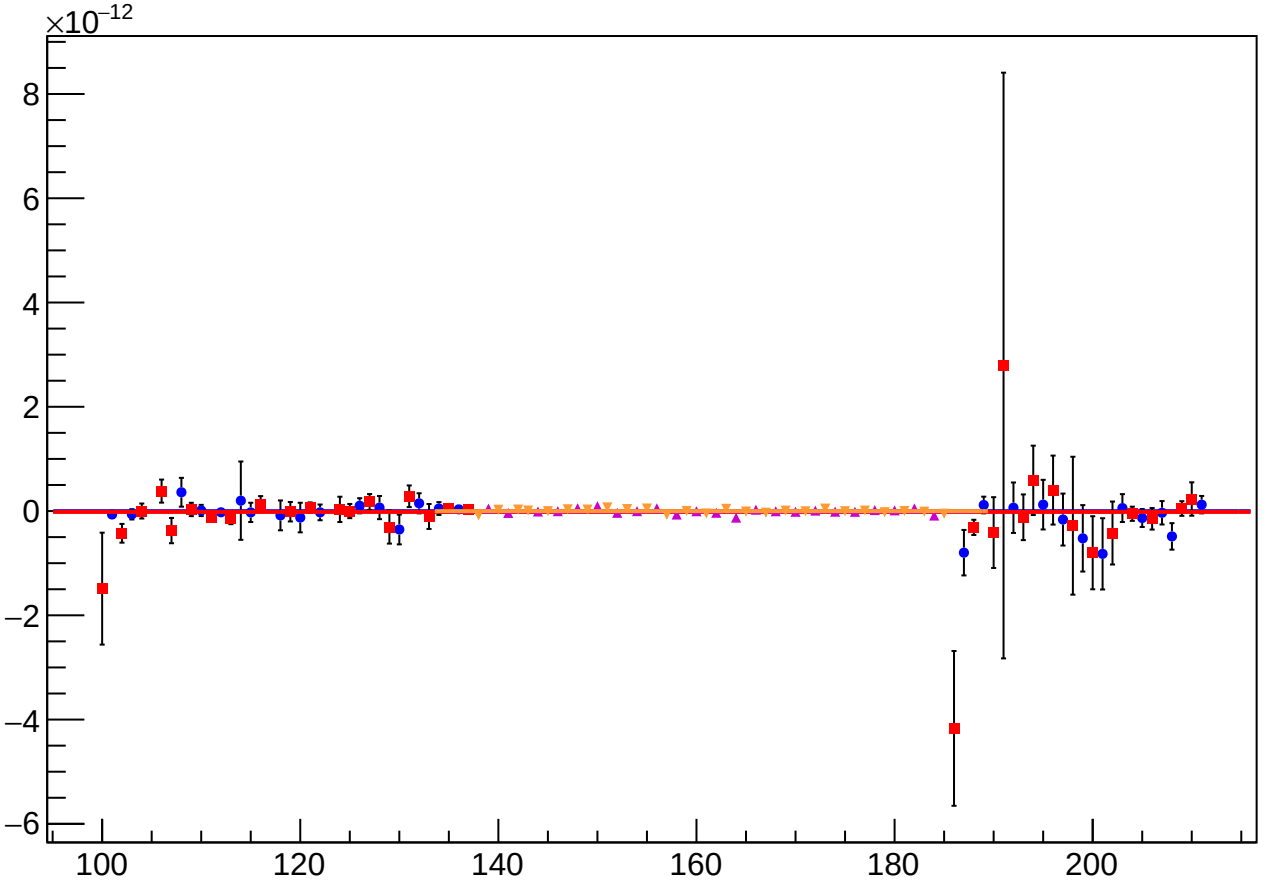
Left In: 792.060+/-0.135 χ^2/NDF:2135575.6/22

\+ sign 940.893+/-0.125 χ^2/NDF: 14992112.3/52

All: 942.724+/-0.089 χ^2/NDF: 31905892.4/10

\- sign 944.602+/-0.127 χ^2/NDF: 16913348.3/55

asym_sam3_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 17.9/27

Left Out: -0.000+/-0.000 χ^2/NDF:24.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 40.6/32

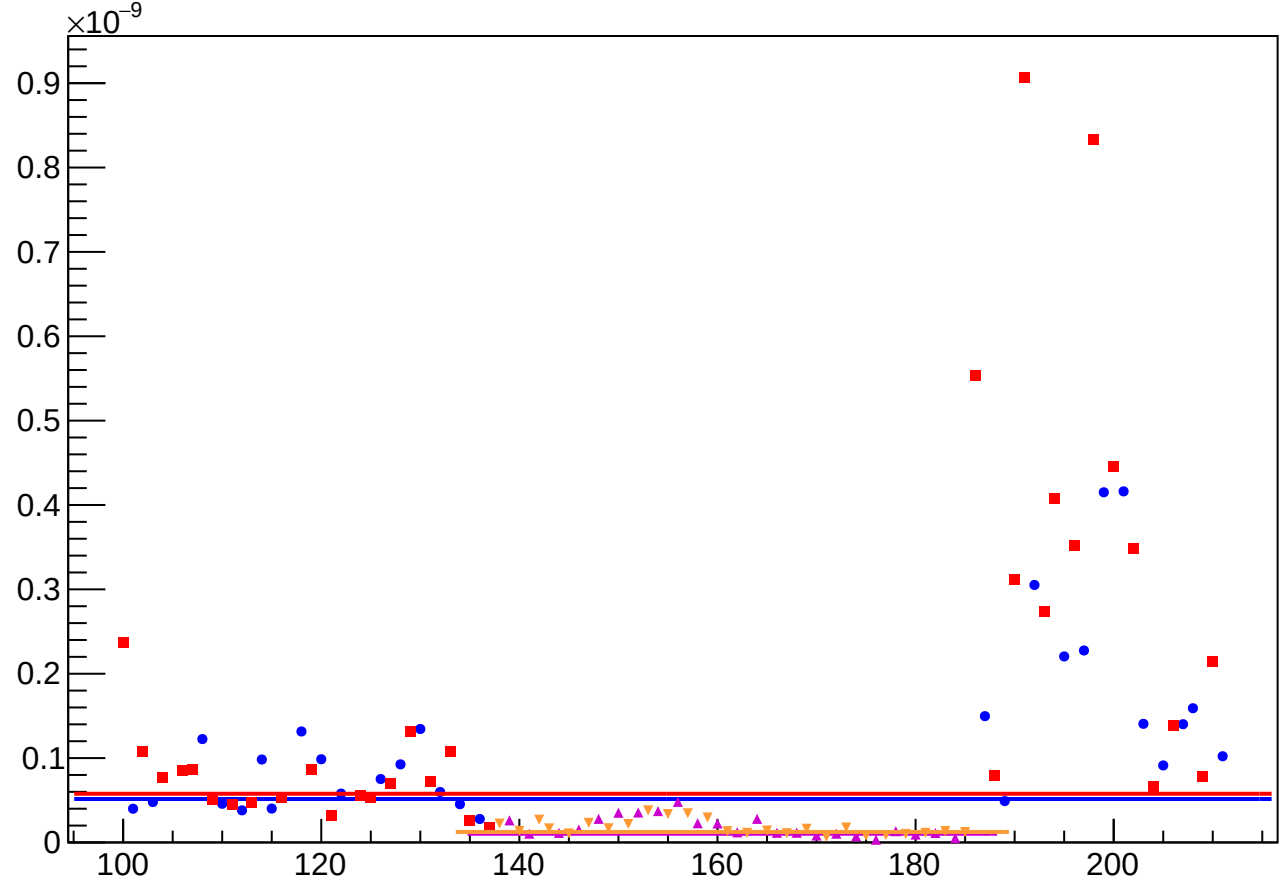
Left In: -0.000+/-0.000 χ^2/NDF:31.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 41.9/52

All: -0.000+/-0.000 χ^2/NDF: 114.7/108

- sign -0.000+/-0.000 χ^2/NDF: 72.2/55

asym_sam3_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 4933185.9/27

Left Out: 0.000+/-0.000 χ^2/NDF:2214354.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6281836.9/32

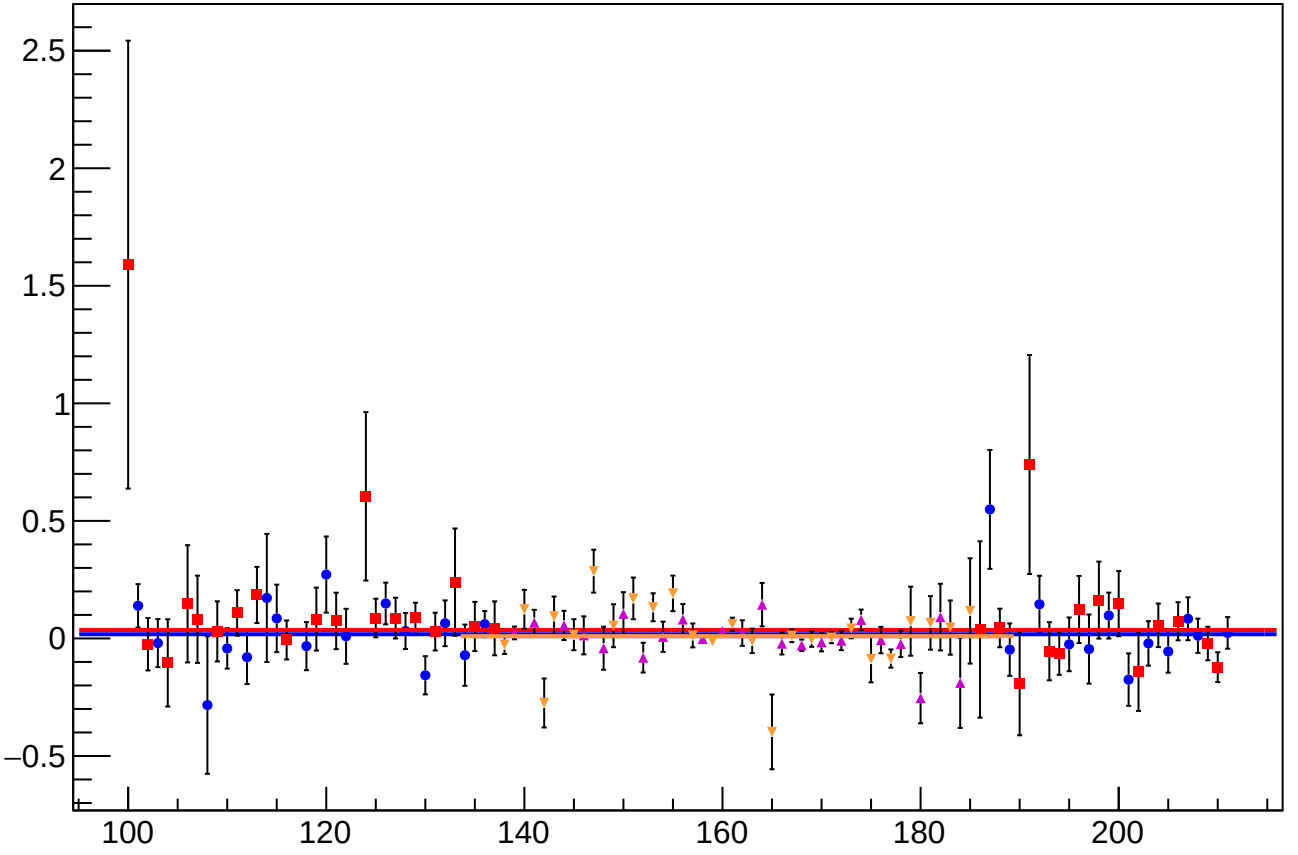
Left In: 0.000+/-0.000 χ^2/NDF:3679061.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 11596159.8/52

All: 0.000+/-0.000 χ^2/NDF: 27400727.6/108

- sign 0.000+/-0.000 χ^2/NDF: 15588960.8/55

asym_sam3_dit_vs_cor_diff_mean vs Slug



Right In: 0.018+/-0.019 χ^2/NDF: 26.7/27

Left Out: 0.010+/-0.008 χ^2/NDF:54.6/24

Right Out: 0.036+/-0.019 χ^2/NDF: 26.2/32

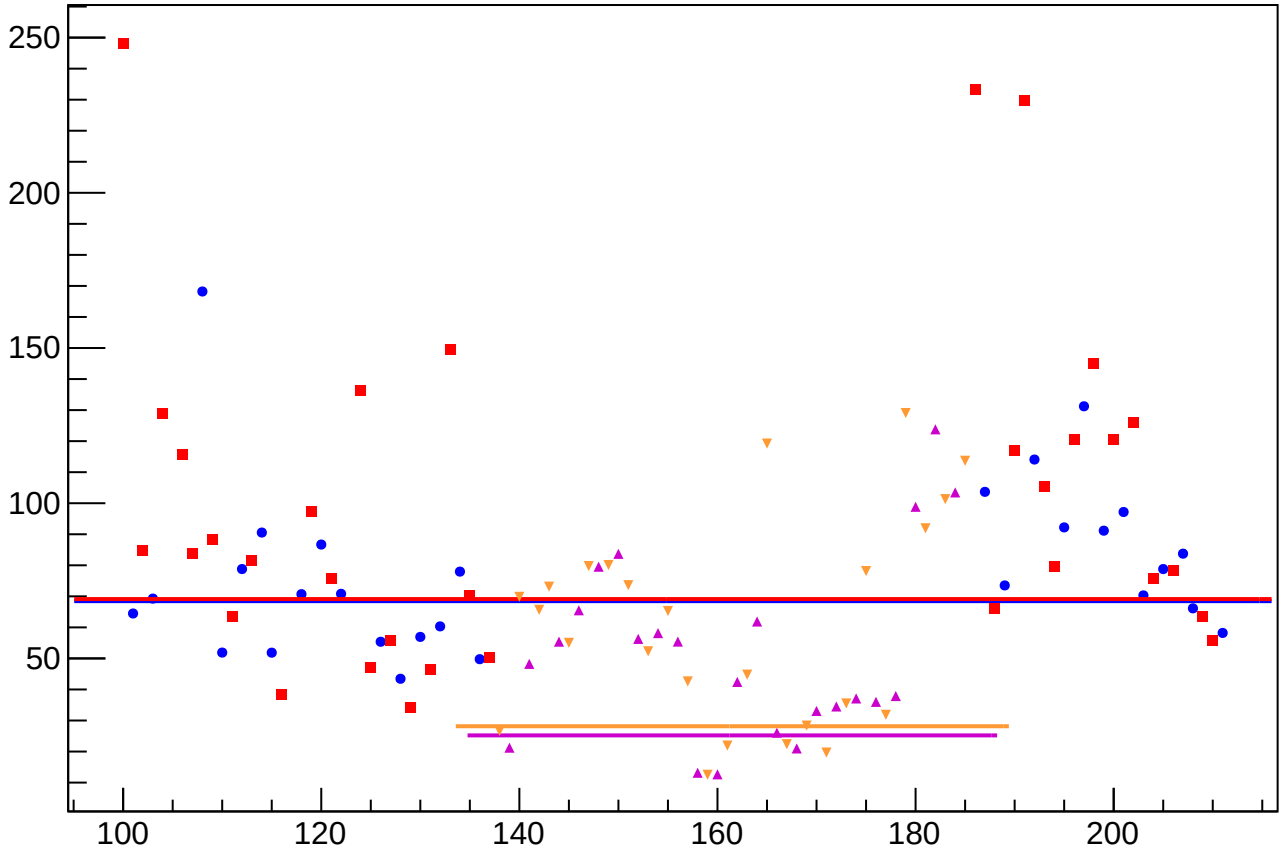
Left In: 0.009+/-0.008 χ^2/NDF:25.2/22

+ sign 0.011+/-0.008 χ^2/NDF: 81.6/52

All: 0.012+/-0.005 χ^2/NDF: 134.6/108

- sign 0.013+/-0.007 χ^2/NDF: 53.0/55

asym_sam3_dit_vs_cor_diff_rms vs Slug



Right In: 68.453+/-0.013 χ^2/NDF: 2091455.9/27

Left Out: 28.151+/-0.006 χ^2/NDF:11070747.0/24

Right Out: 69.122+/-0.013 χ^2/NDF: 4468302.9/32

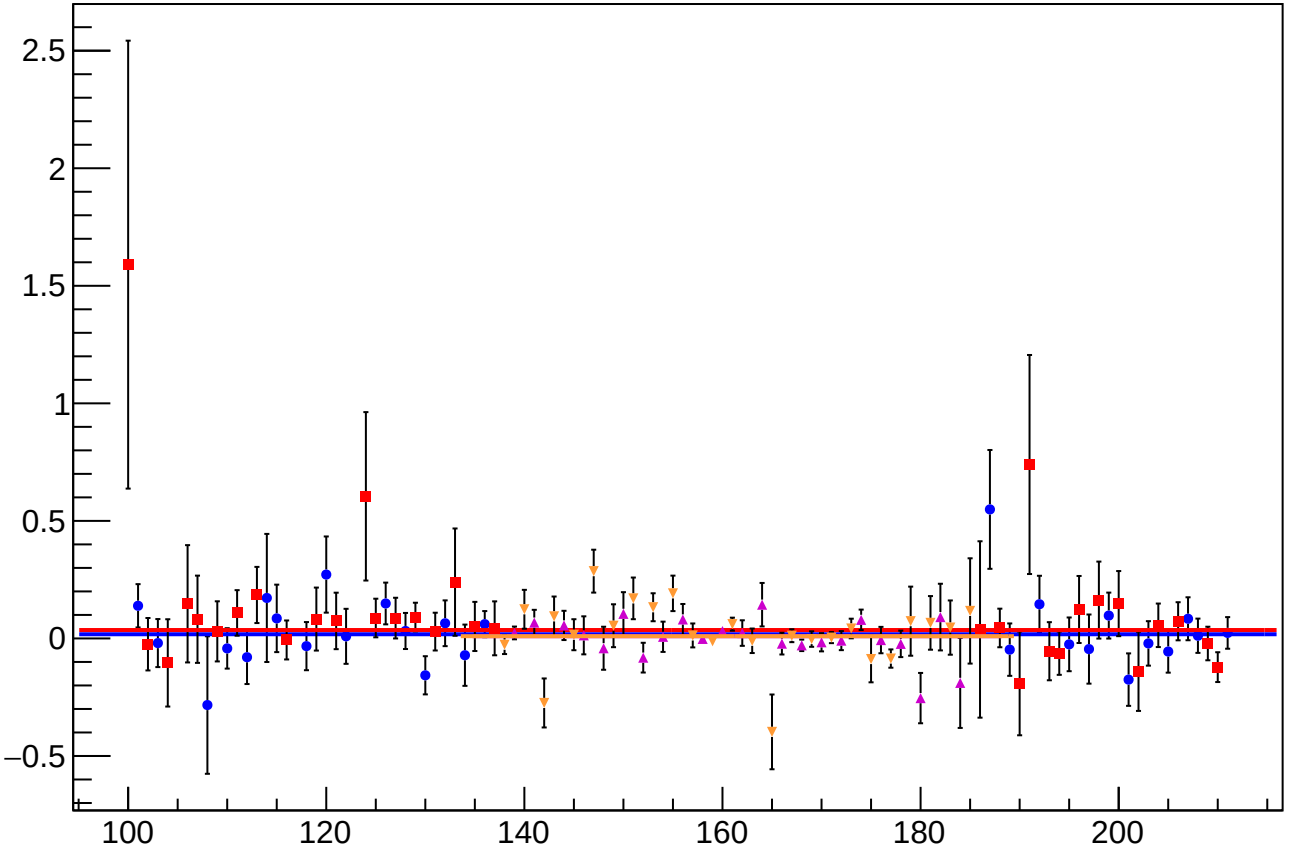
Left In: 25.206+/-0.006 χ^2/NDF:9964049.2/22

+ sign 35.035+/-0.005 χ^2/NDF: 20919421.4/52

All: 33.335+/-0.004 χ^2/NDF: 44770146.5/108

- sign 31.806+/-0.005 χ^2/NDF: 23665636.0/55

asym_sam3_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.018+/-0.019 χ^2/NDF: 26.7/27

Left Out: 0.010+/-0.008 χ^2/NDF:54.6/24

Right Out: 0.036+/-0.019 χ^2/NDF: 26.2/32

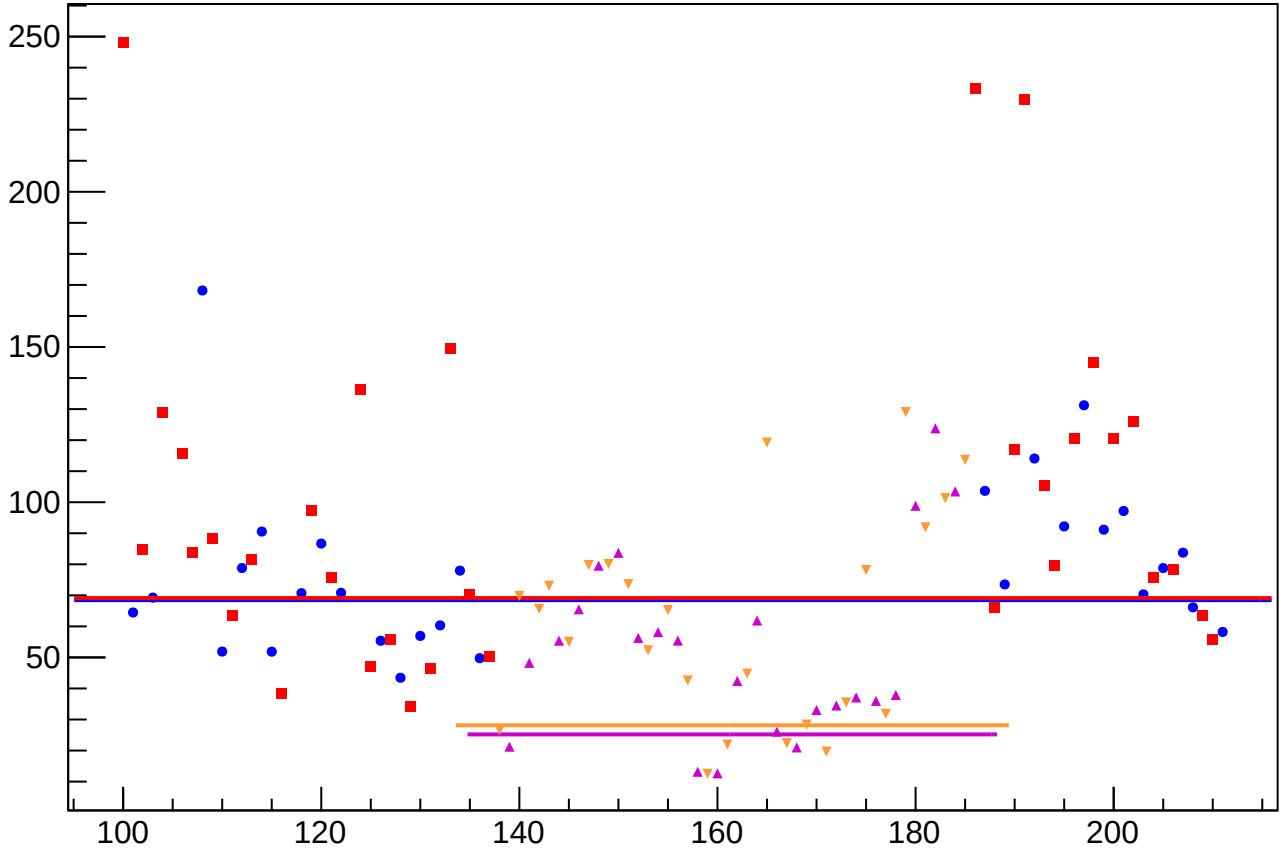
Left In: 0.009+/-0.008 χ^2/NDF:25.2/22

+ sign 0.011+/-0.008 χ^2/NDF: 81.6/52

All: 0.012+/-0.005 χ^2/NDF: 134.6/108

- sign 0.013+/-0.007 χ^2/NDF: 53.0/55

asym_sam3_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 68.453+/-0.013 χ^2/NDF: 2091455.9/27

Left Out: 28.151+/-0.006 χ^2/NDF:11070747.0/24

Right Out: 69.122+/-0.013 χ^2/NDF: 4468302.9/32

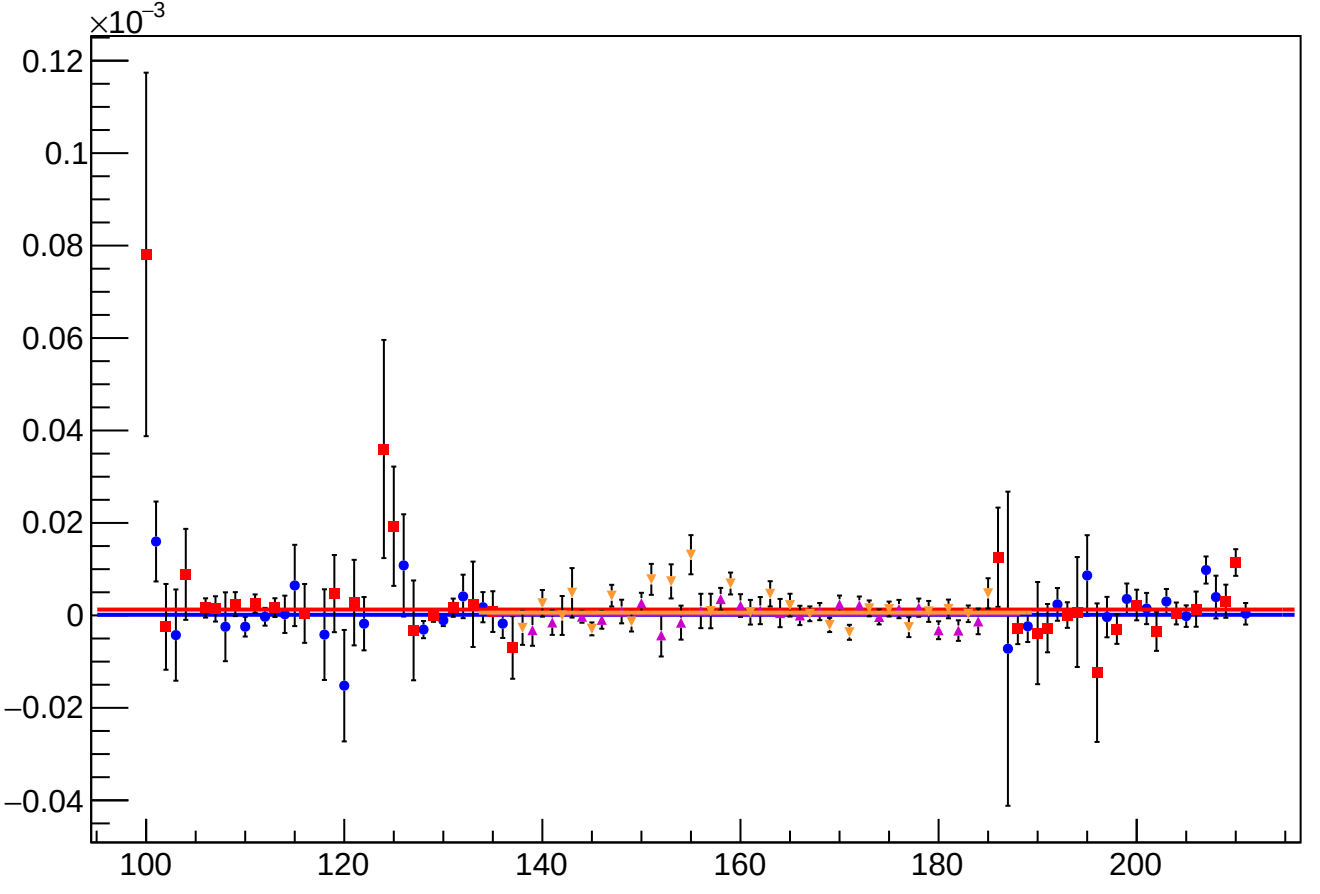
Left In: 25.206+/-0.006 χ^2/NDF:9964049.2/22

+ sign 35.035+/-0.005 χ^2/NDF: 20919421.4/52

All: 33.335+/-0.004 χ^2/NDF: 44770146.5/108

- sign 31.806+/-0.005 χ^2/NDF: 23665636.0/55

asym_sam3_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 29.7/27

Left Out: 0.000+/-0.000 χ^2/NDF:52.3/24

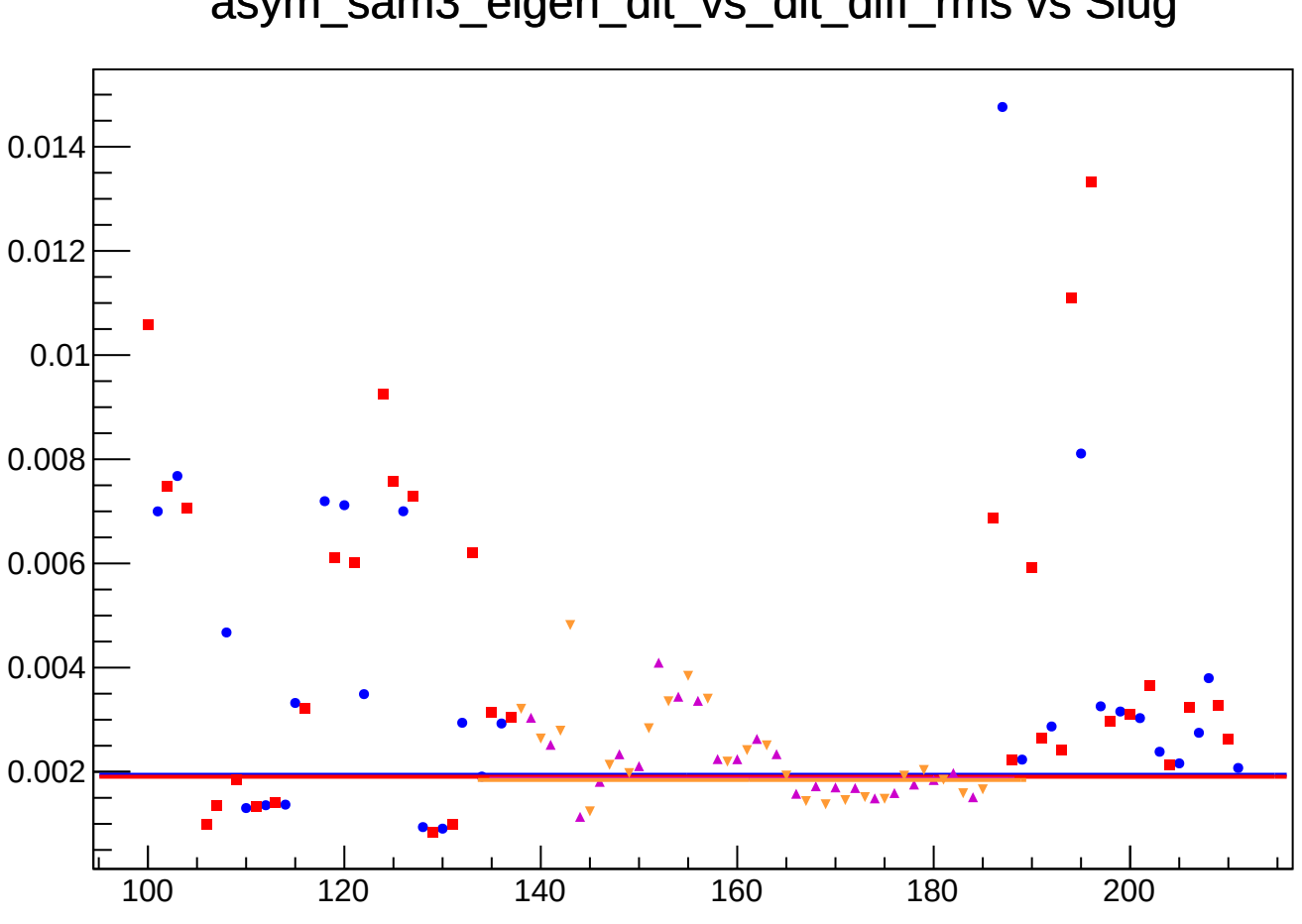
Right Out: 0.000+/-0.000 χ^2/NDF: 32.8/32

Left In: 0.000+/-0.000 χ^2/NDF:16.5/22

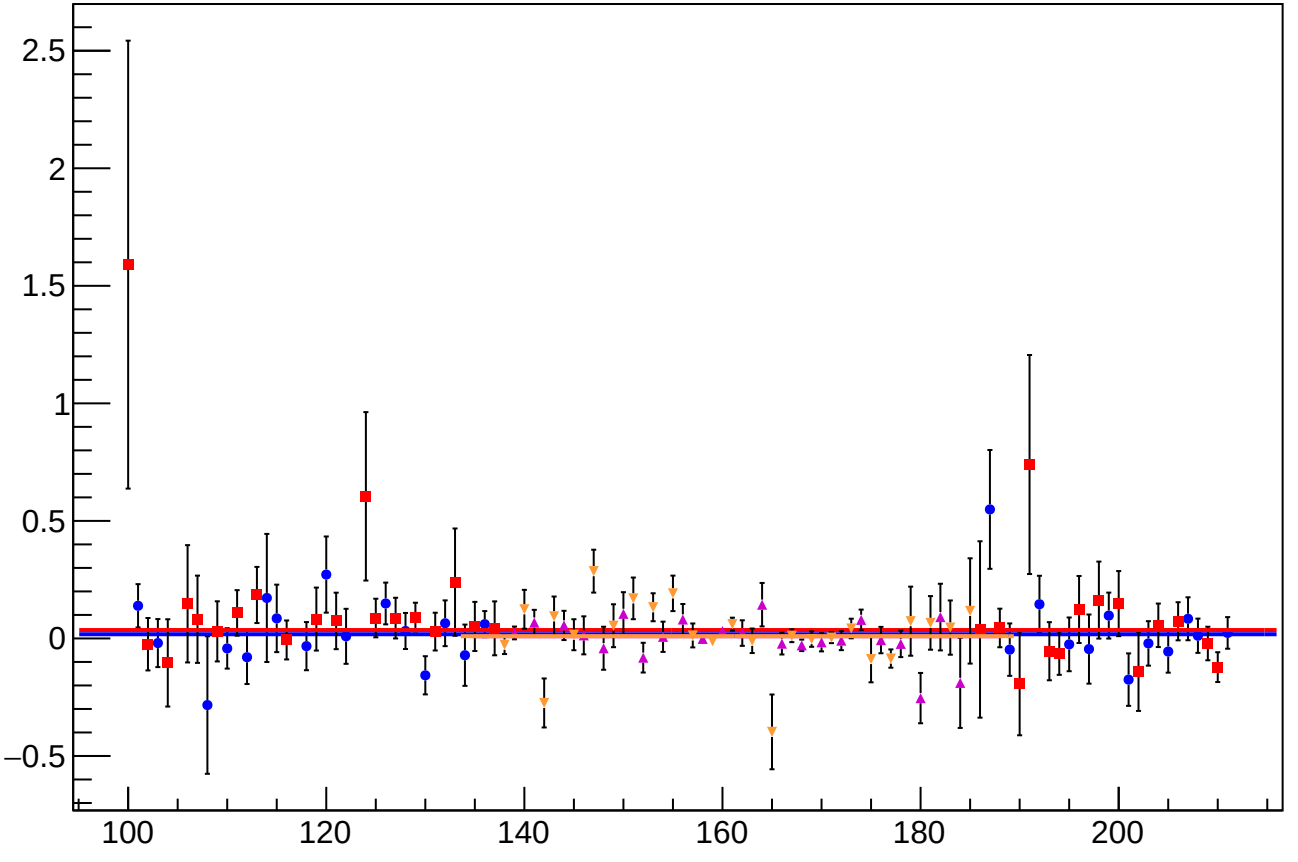
+ sign 0.000+/-0.000 χ^2/NDF: 82.4/52

All: 0.000+/-0.000 χ^2/NDF: 133.9/108

- sign 0.000+/-0.000 χ^2/NDF: 51.3/55


asym_sam3_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
Right In: 0.002+/-0.000 χ²/NDF: 8467595.1/27
Left Out: 0.002+/-0.000 χ²/NDF:3783185.4/24
Right Out: 0.002+/-0.000 χ²/NDF: 11351891.0/32
Left In: 0.002+/-0.000 χ²/NDF:2794135.0/22
+ sign 0.002+/-0.000 χ²/NDF: 12287184.0/52
All: 0.002+/-0.000 χ²/NDF: 26439152.4/108
- sign 0.002+/-0.000 χ²/NDF: 14151959.0/55

asym_sam3_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.018+/-0.019 χ^2/NDF: 26.7/27

Left Out: 0.010+/-0.008 χ^2/NDF:54.6/24

Right Out: 0.036+/-0.019 χ^2/NDF: 26.2/32

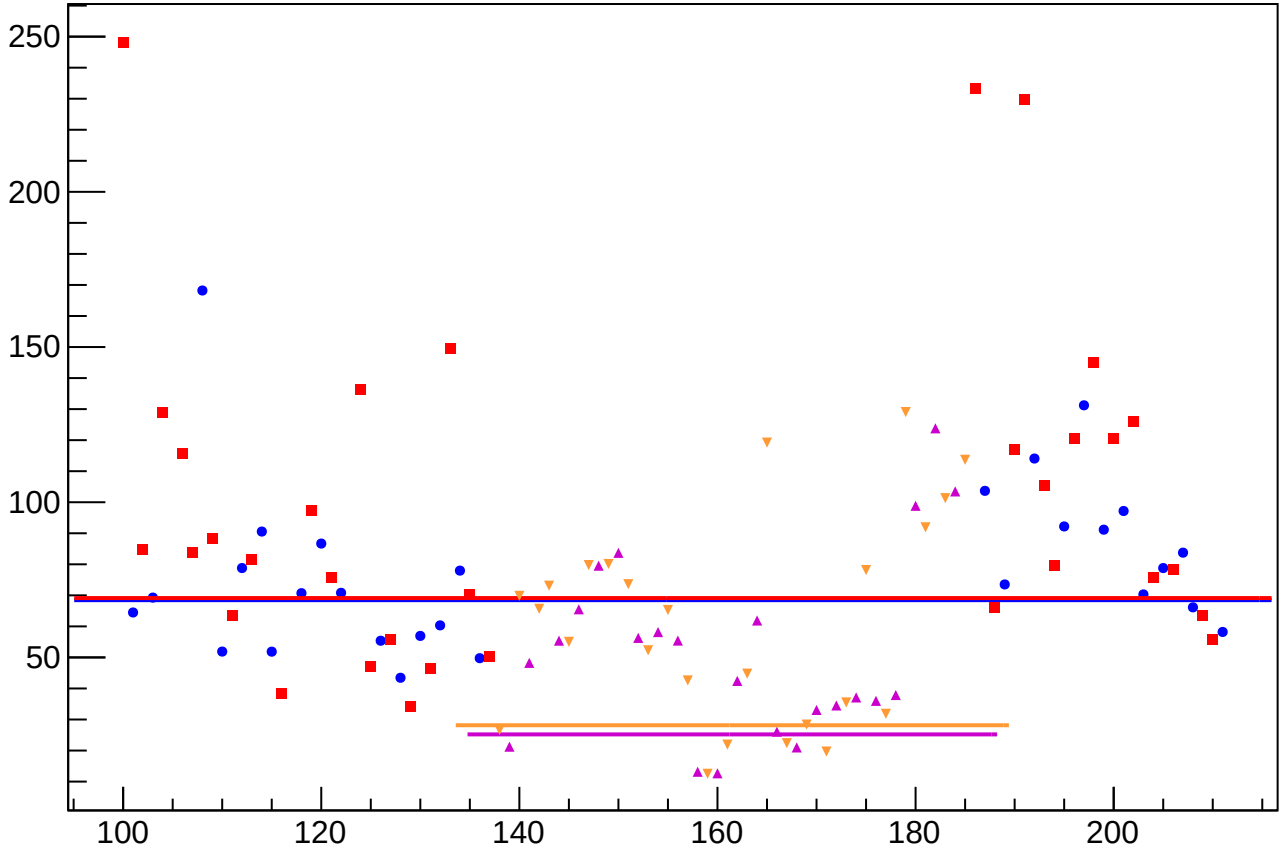
Left In: 0.009+/-0.008 χ^2/NDF:25.2/22

+ sign 0.011+/-0.008 χ^2/NDF: 81.6/52

All: 0.012+/-0.005 χ^2/NDF: 134.6/108

- sign 0.013+/-0.007 χ^2/NDF: 53.0/55

asym_sam3_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 68.454+/-0.013 χ^2/NDF: 2091446.8/27

Left Out: 28.150+/-0.006 χ^2/NDF:11071818.3/24

Right Out: 69.123+/-0.013 χ^2/NDF: 4468354.6/32

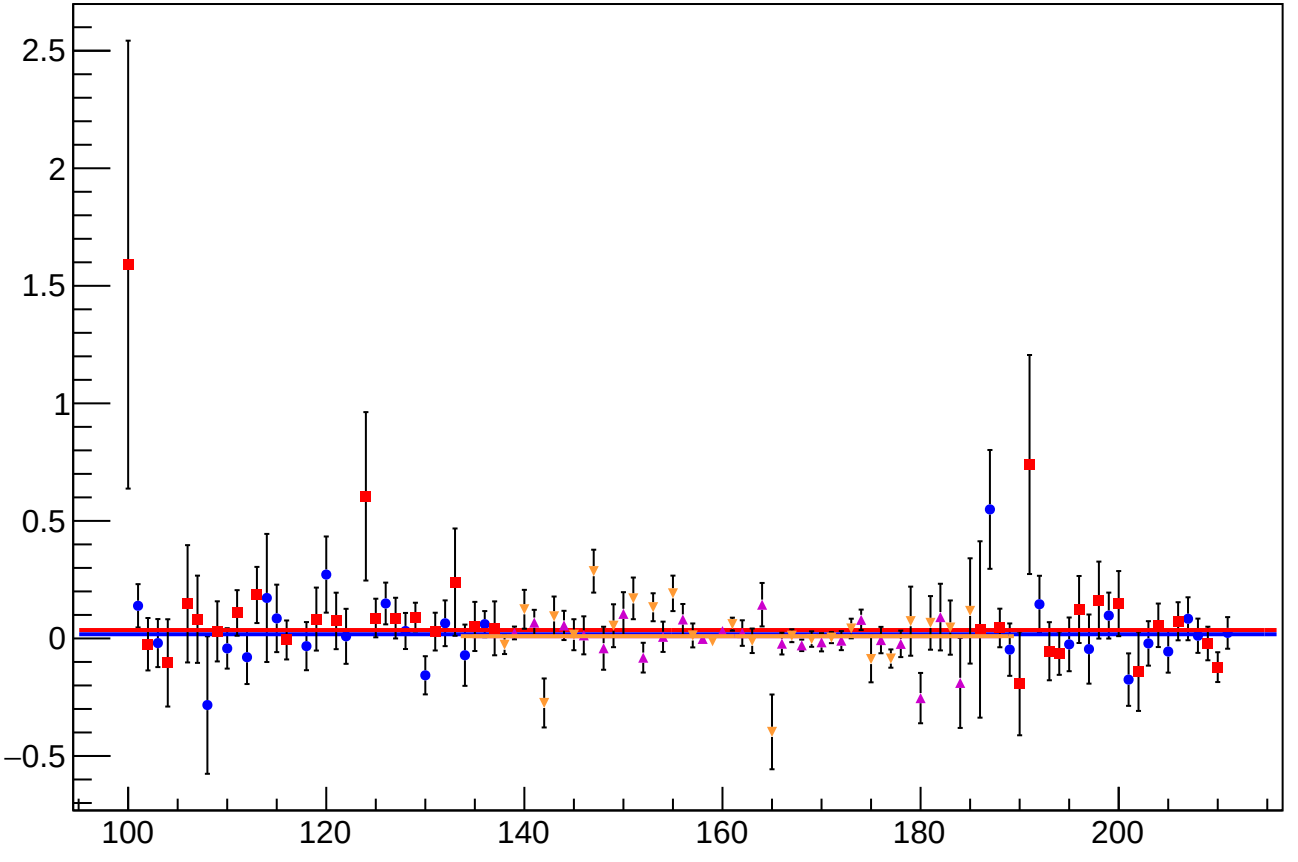
Left In: 25.205+/-0.006 χ^2/NDF:9964548.1/22

+ sign 35.034+/-0.005 χ^2/NDF: 20921065.0/52

All: 33.335+/-0.004 χ^2/NDF: 44772585.1/108

- sign 31.806+/-0.005 χ^2/NDF: 23666526.8/55

asym_sam3_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.018+/-0.019 χ^2/NDF: 26.7/27

Left Out: 0.010+/-0.008 χ^2/NDF:54.6/24

Right Out: 0.036+/-0.019 χ^2/NDF: 26.2/32

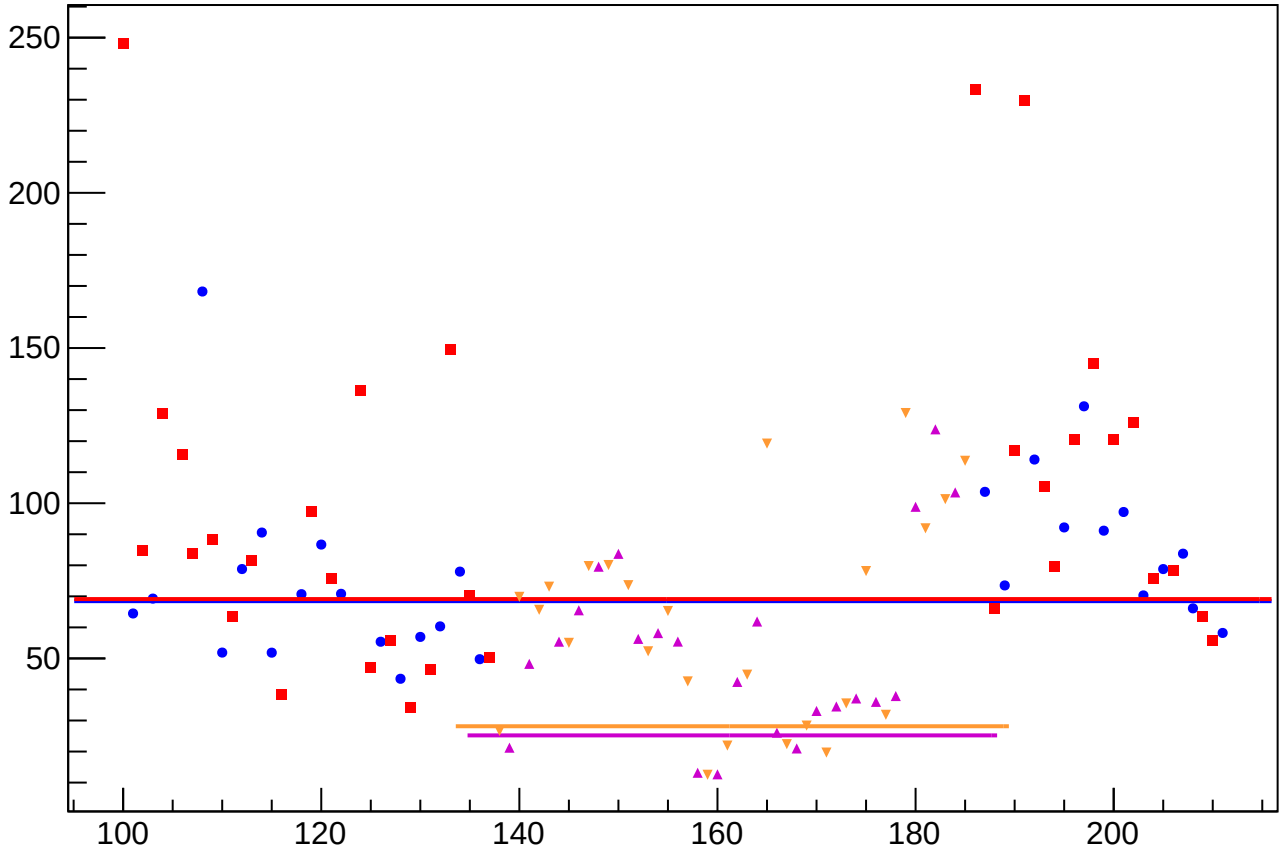
Left In: 0.009+/-0.008 χ^2/NDF:25.2/22

+ sign 0.011+/-0.008 χ^2/NDF: 81.6/52

All: 0.012+/-0.005 χ^2/NDF: 134.6/108

- sign 0.013+/-0.007 χ^2/NDF: 53.0/55

asym_sam3_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 68.454+/-0.013 χ^2/NDF: 2091446.8/27

Left Out: 28.150+/-0.006 χ^2/NDF:11071818.3/24

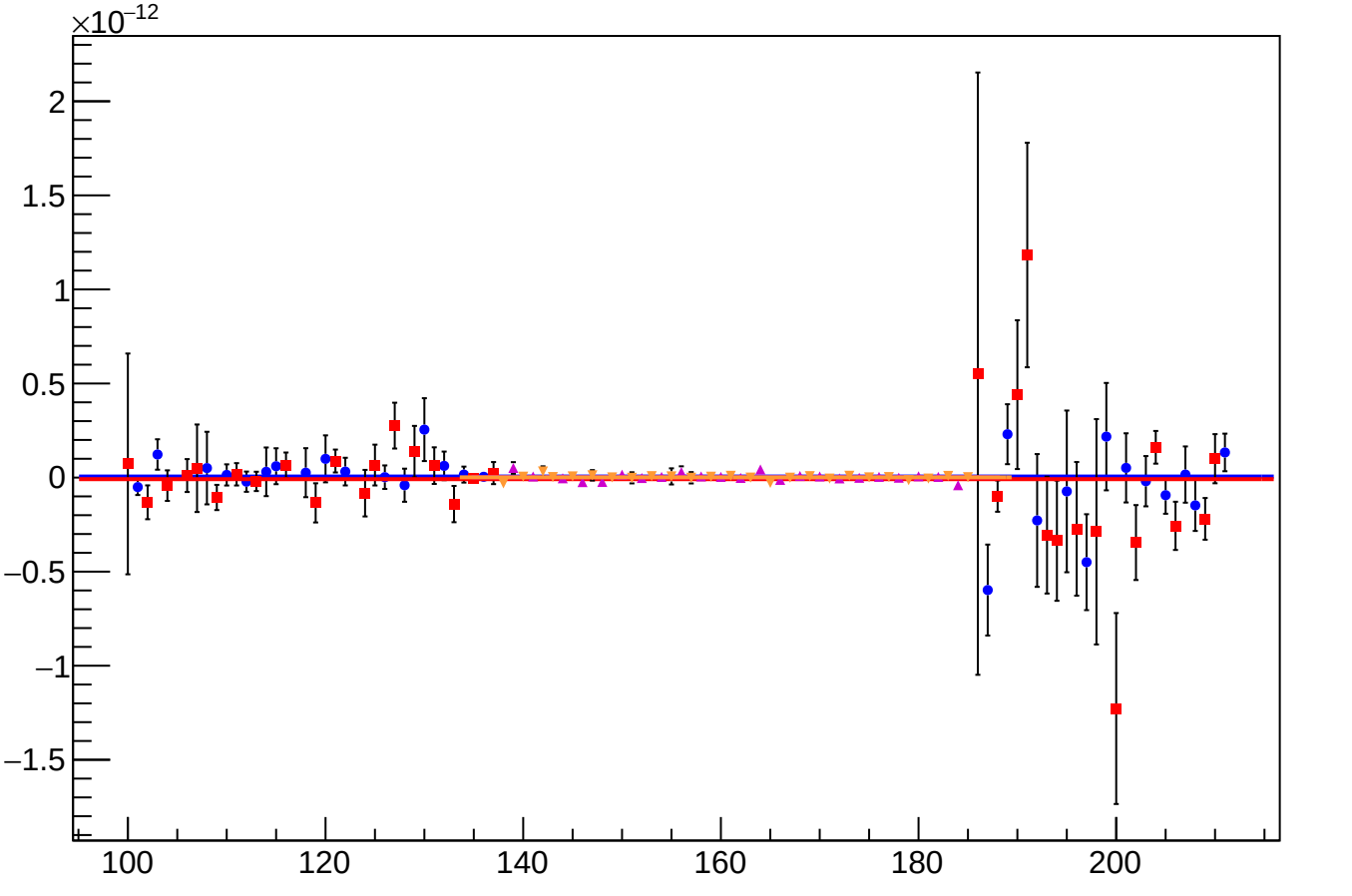
Right Out: 69.123+/-0.013 χ^2/NDF: 4468354.6/32

Left In: 25.205+/-0.006 χ^2/NDF:9964548.1/22

+ sign 35.034+/-0.005 χ^2/NDF: 20921065.0/52

All: 33.335+/-0.004 χ^2/NDF: 44772585.1/108

- sign 31.806+/-0.005 χ^2/NDF: 23666526.8/55



Right In: 0.000+/-0.000 χ^2/NDF: 24.9/27

Left Out: 0.000+/-0.000 χ^2/NDF:11.3/24

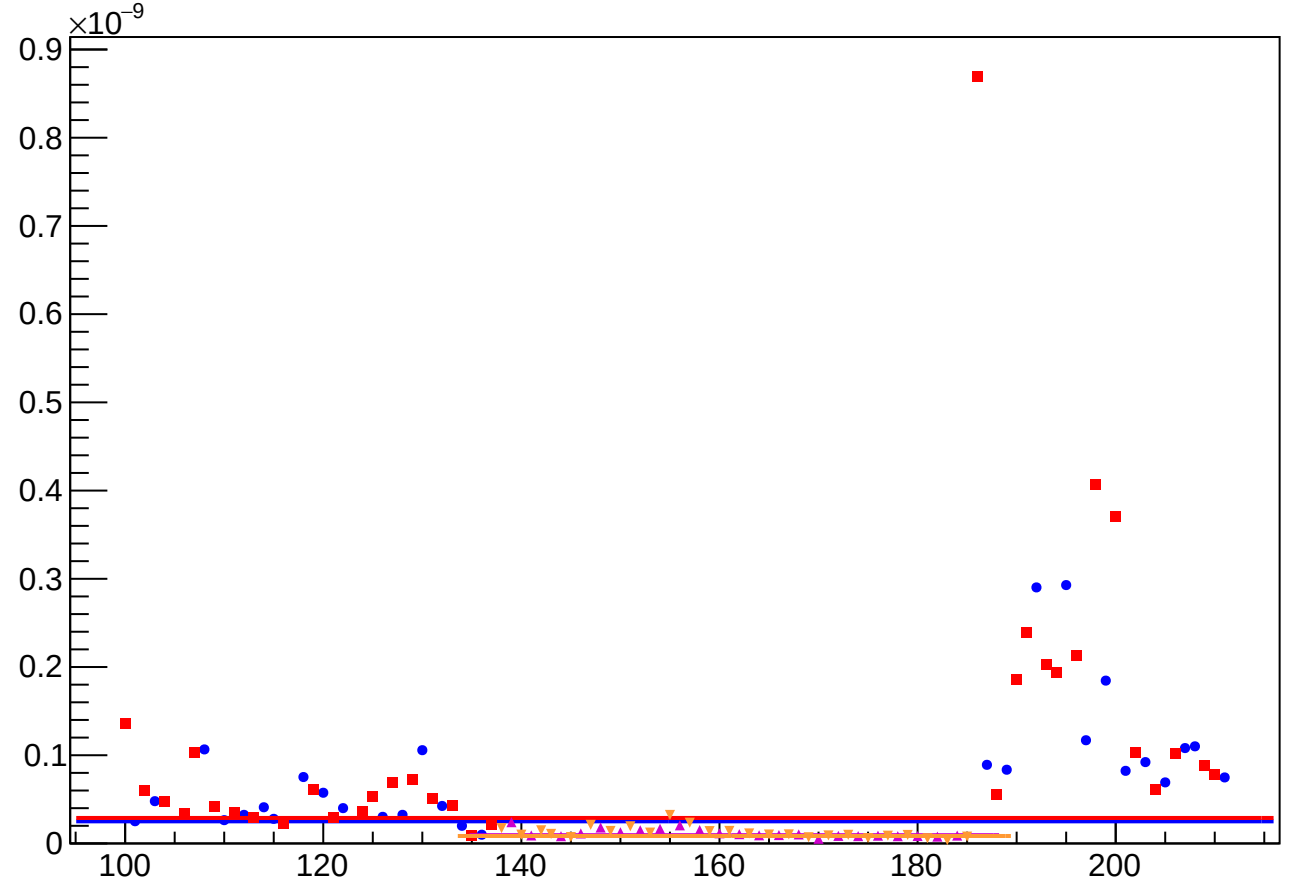
Right Out: -0.000+/-0.000 χ^2/NDF: 49.7/32

Left In: 0.000+/-0.000 χ^2/NDF:20.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 36.3/52

All: 0.000+/-0.000 χ^2/NDF: 107.4/108

- sign 0.000+/-0.000 χ^2/NDF: 71.1/55



Right In: 0.000+/-0.000 χ^2/NDF: 9654301.9/27

Left Out: 0.000+/-0.000 χ^2/NDF:4343727.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10687162.7/32

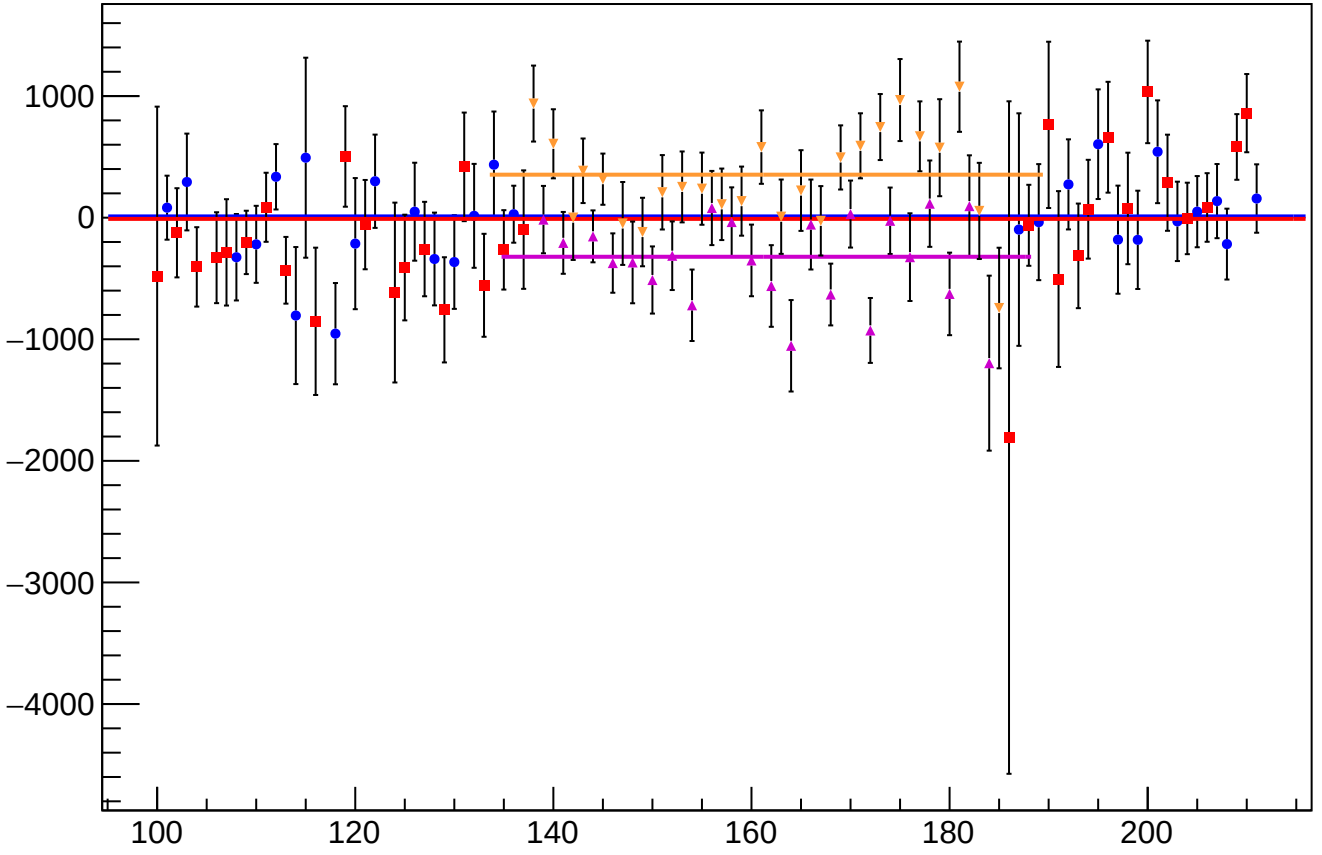
Left In: 0.000+/-0.000 χ^2/NDF:2146041.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 17795174.4/52

All: 0.000+/-0.000 χ^2/NDF: 35125705.3/108

- sign 0.000+/-0.000 χ^2/NDF: 17190173.7/55

reg_asym_sam4_mean vs Slug



Right In: 10.348+/-68.607 χ^2/NDF: 20.1/27

Left Out: 353.617+/-60.149 χ^2/NDF:32.3/24

Right Out: -9.856+/-66.937 χ^2/NDF: 41.3/32

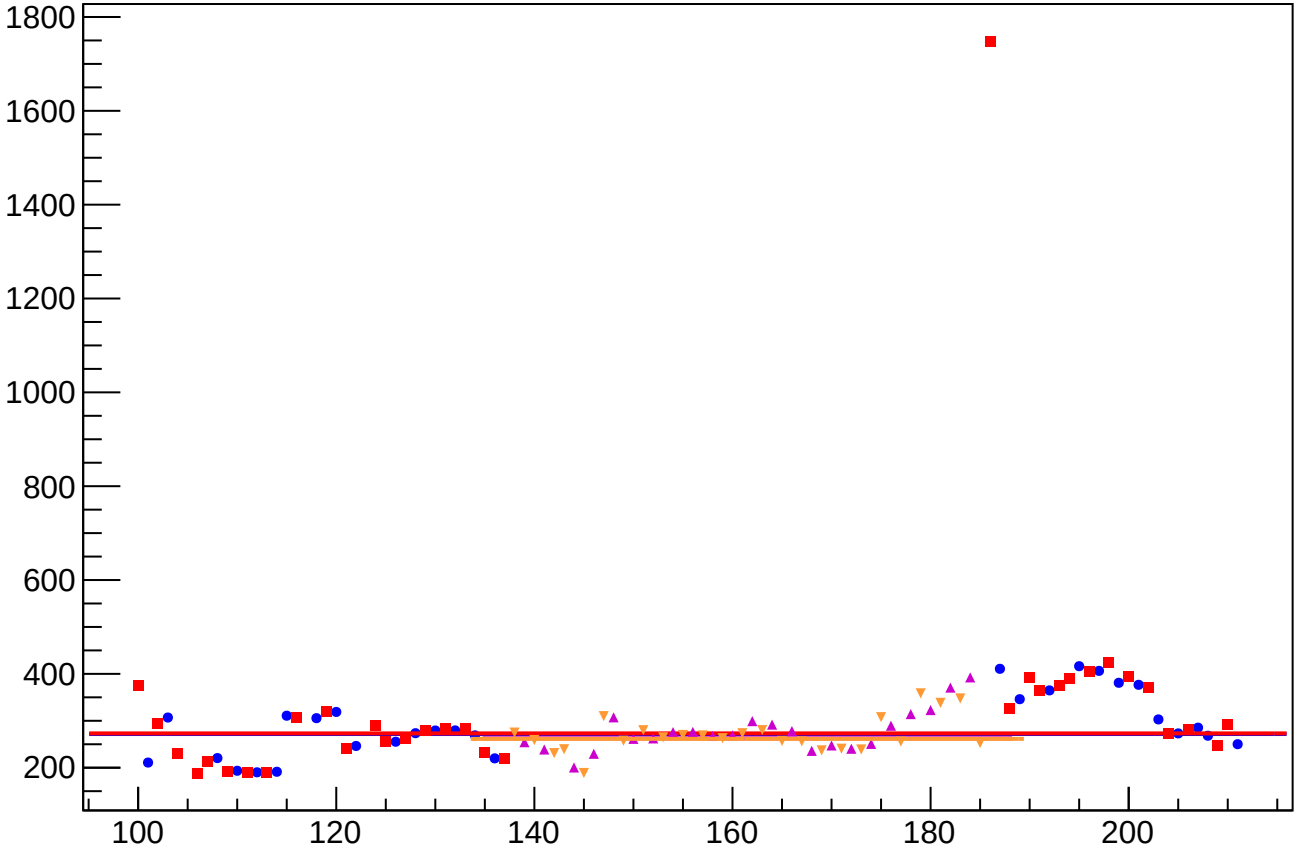
Left In: -321.510+/-62.113 χ^2/NDF:26.2/22

+ sign 204.436+/-45.228 χ^2/NDF: 66.6/52

All: 14.831+/-32.087 χ^2/NDF: 181.2/108

- sign -177.315+/-45.530 χ^2/NDF: 79.2/55

reg_asym_sam4_rms vs Slug



Right In: 271.795+/-0.049 χ^2/NDF: 1564741.7/27

Left Out: 261.470+/-0.043 χ^2/NDF:715467.9/24

Right Out: 273.114+/-0.047 χ^2/NDF: 2548203.3/32

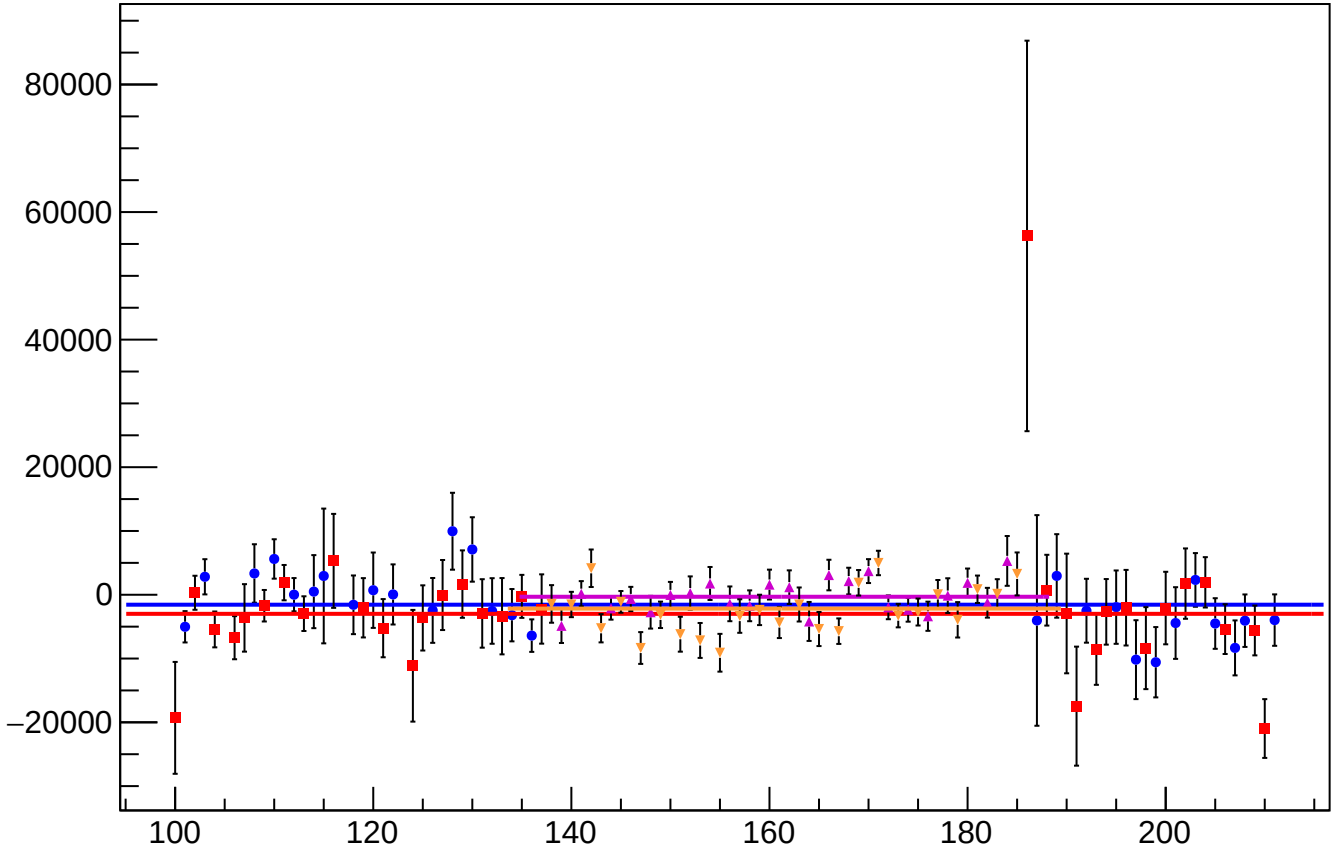
Left In: 262.616+/-0.044 χ^2/NDF:670646.3/22

+ sign 265.957+/-0.032 χ^2/NDF: 2305824.8/52

All: 266.710+/-0.023 χ^2/NDF: 5552220.9/108

- sign 267.473+/-0.032 χ^2/NDF: 3245280.2/55

asym_sam4_reg_correction_mean vs Slug



Right In: -1558.691+/-791.496 χ^2/NDF: 32.4/27

Left Out: -2171.840+/-461.649 χ^2/NDF:55.5/24

Right Out: -2991.302+/-758.959 χ^2/NDF: 41.3/32

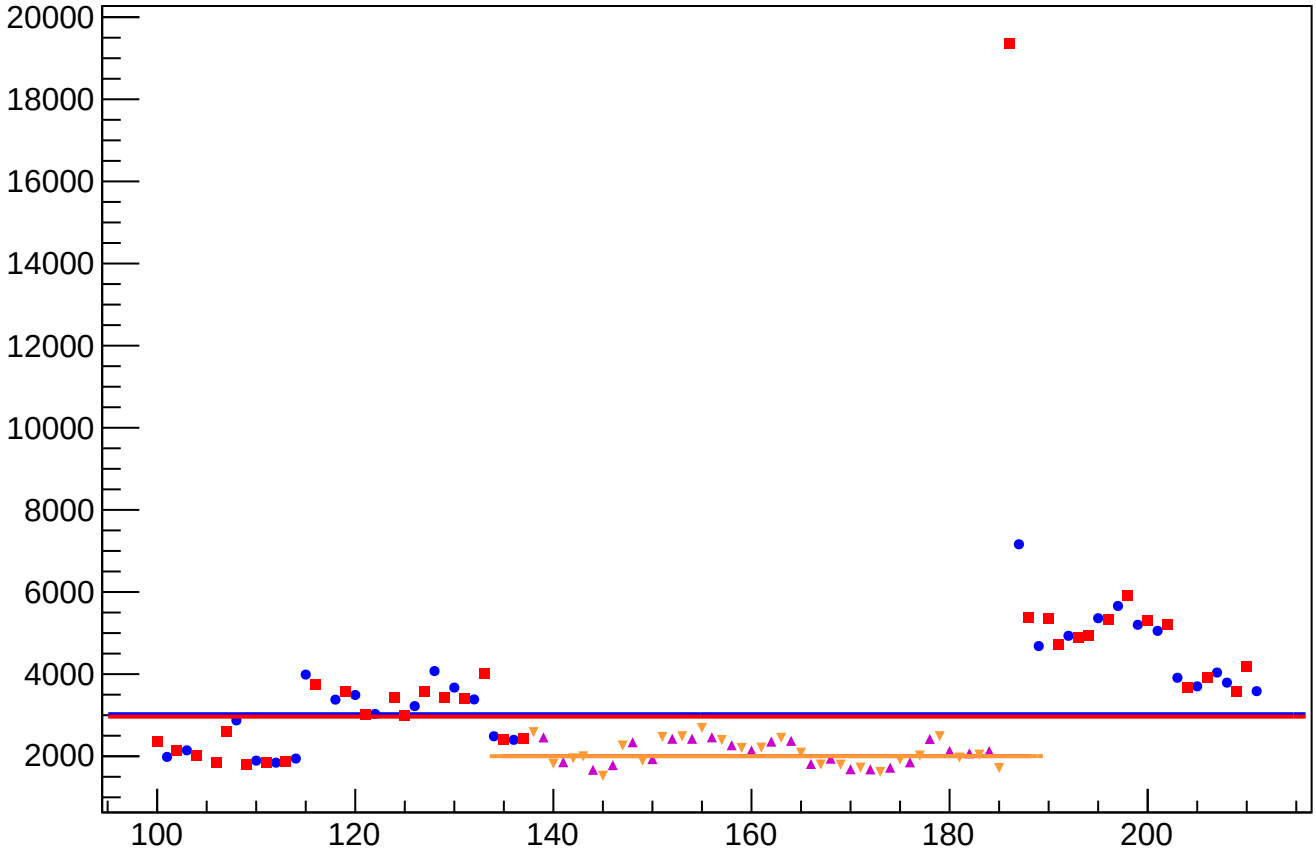
Left In: -313.739+/-474.086 χ^2/NDF:23.7/22

+ sign -2016.199+/-398.775 χ^2/NDF: 88.4/52

All: -1544.662+/-283.140 χ^2/NDF: 165.1/108

- sign -1065.261+/-402.087 χ^2/NDF: 73.9/55

asym_sam4_reg_correction_rms vs Slug



Right In: 3023.778+/-0.560 χ^2/NDF: 3794189.6/27

Left Out: 2002.229+/-0.326 χ^2/NDF:892707.2/24

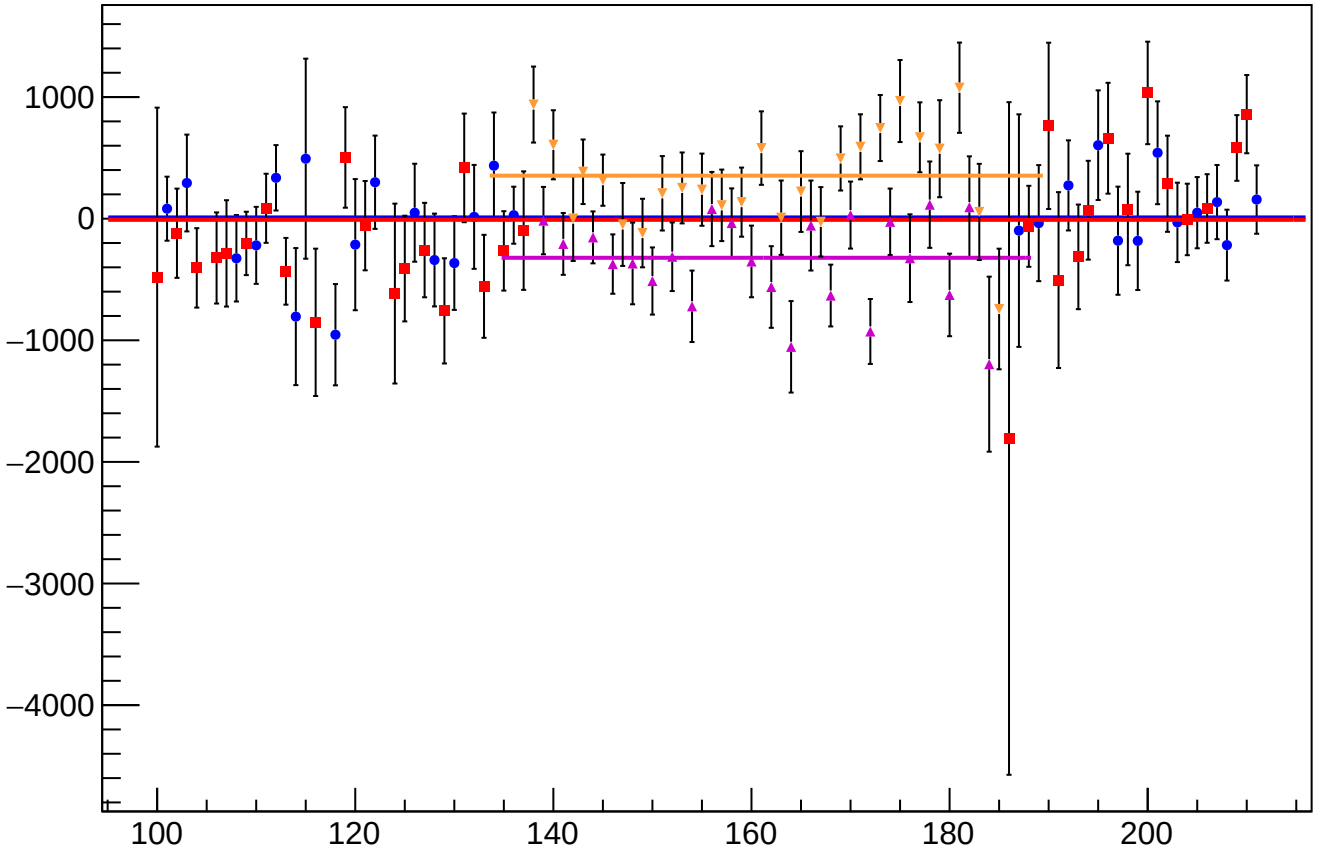
Right Out: 2964.722+/-0.537 χ^2/NDF: 5478791.5/32

Left In: 2004.244+/-0.335 χ^2/NDF:704919.9/22

+ sign 2261.538+/-0.282 χ^2/NDF: 7172796.5/52

All: 2267.631+/-0.200 χ^2/NDF: 15661507.2/1

- sign 2273.825+/-0.284 χ^2/NDF: 8487769.2/55



Right In: 10.335+/-68.607 χ^2/NDF: 20.1/27

Left Out: 353.640+/-60.149 χ^2/NDF:32.3/24

Right Out: -9.453+/-66.943 χ^2/NDF: 41.3/32

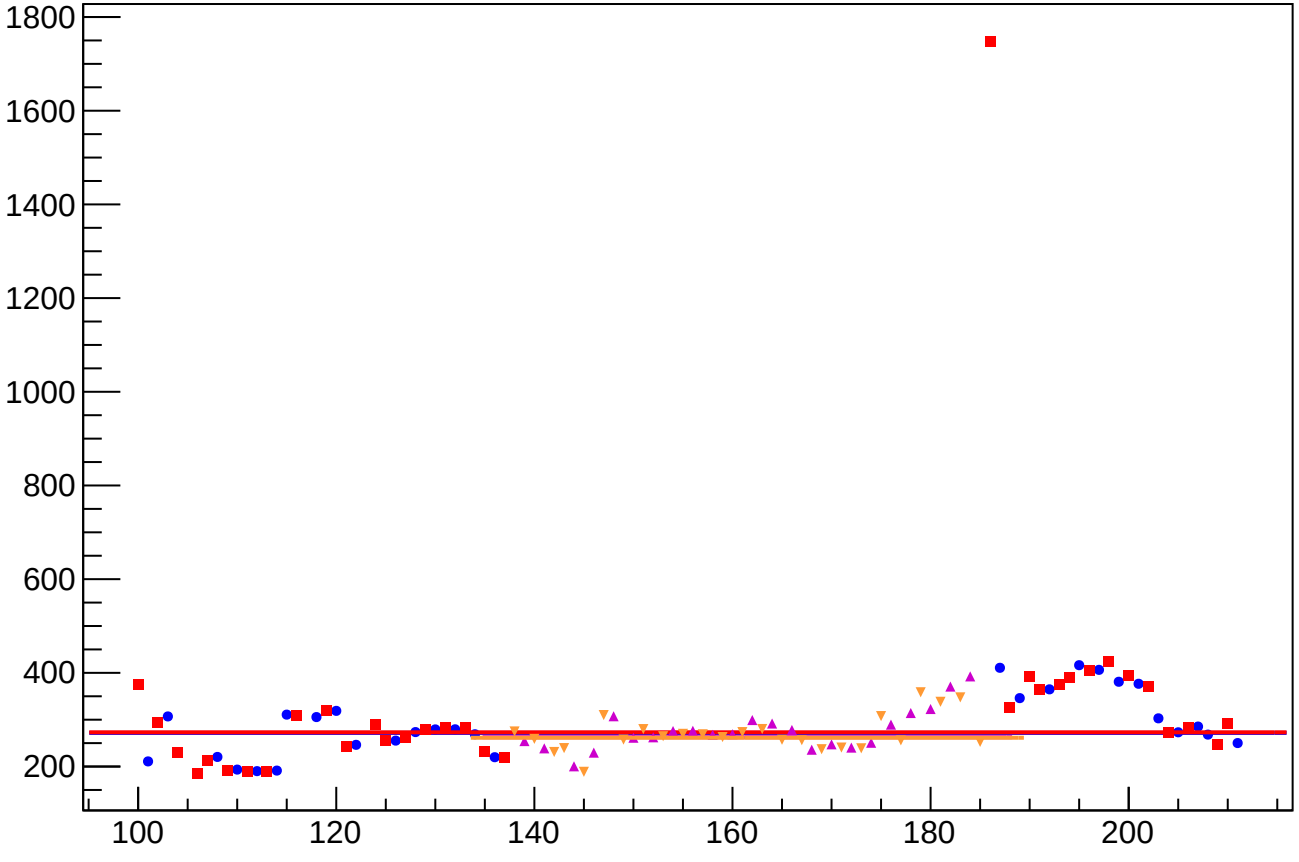
Left In: -321.514+/-62.113 χ^2/NDF:26.2/22

+ sign 204.443+/-45.228 χ^2/NDF: 66.6/52

All: 14.928+/-32.088 χ^2/NDF: 181.1/108

- sign -177.145+/-45.532 χ^2/NDF: 79.2/55

cor_asym_sam4_rms vs Slug



Right In: 271.795+/-0.049 χ^2/NDF: 1564743.1/27

Left Out: 261.470+/-0.043 χ^2/NDF:715467.9/24

Right Out: 273.050+/-0.047 χ^2/NDF: 2554019.7/32

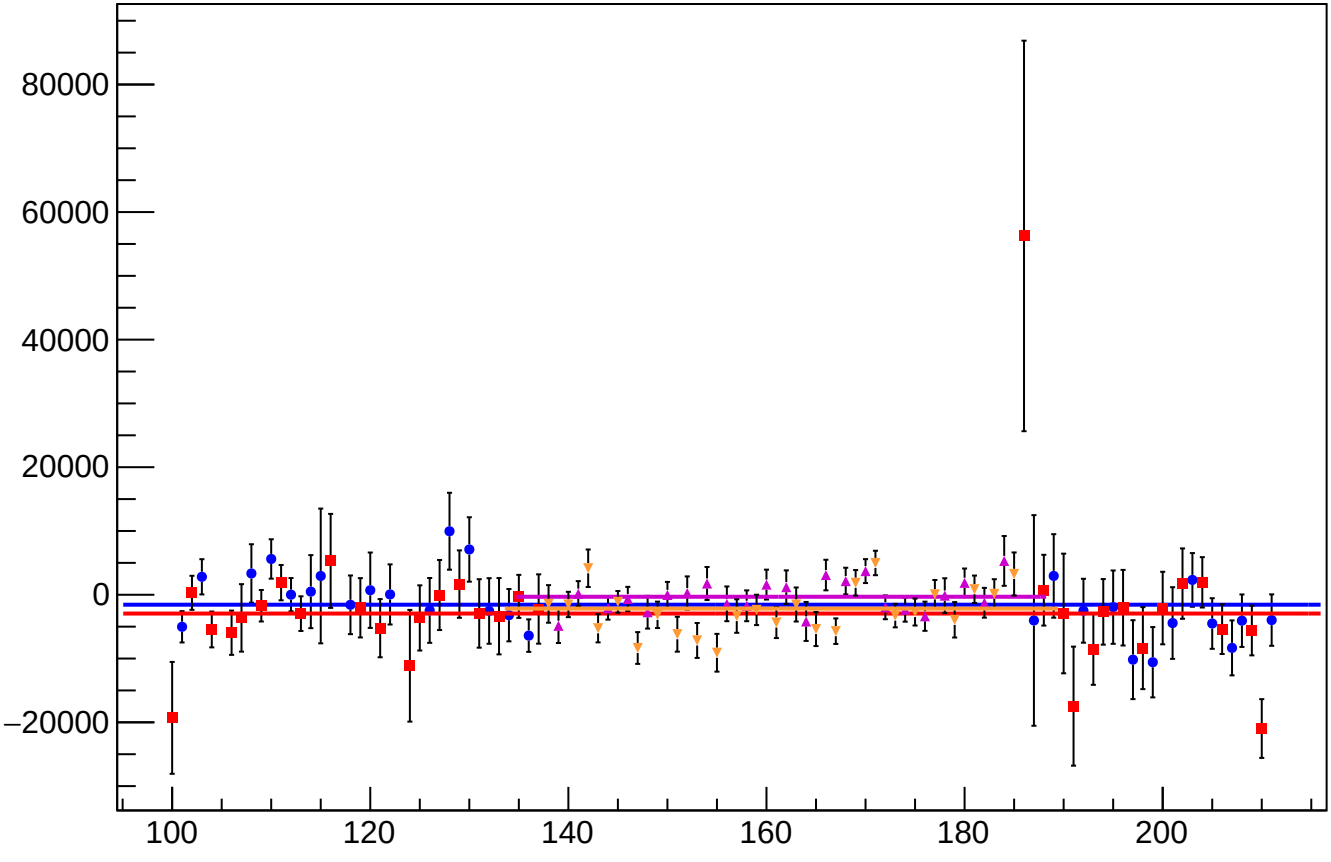
Left In: 262.616+/-0.044 χ^2/NDF:670646.4/22

+ sign 265.957+/-0.032 χ^2/NDF: 2305826.4/52

All: 266.695+/-0.023 χ^2/NDF: 5557673.4/108

- sign 267.443+/-0.032 χ^2/NDF: 3250774.7/55

asym_sam4_cor_correction_mean vs Slug



Right In: -1558.818+/-791.501 χ^2/NDF: 32.4/27

Left Out: -2171.811+/-461.649 χ^2/NDF:55.5/24

Right Out: -2945.060+/-759.993 χ^2/NDF: 40.8/32

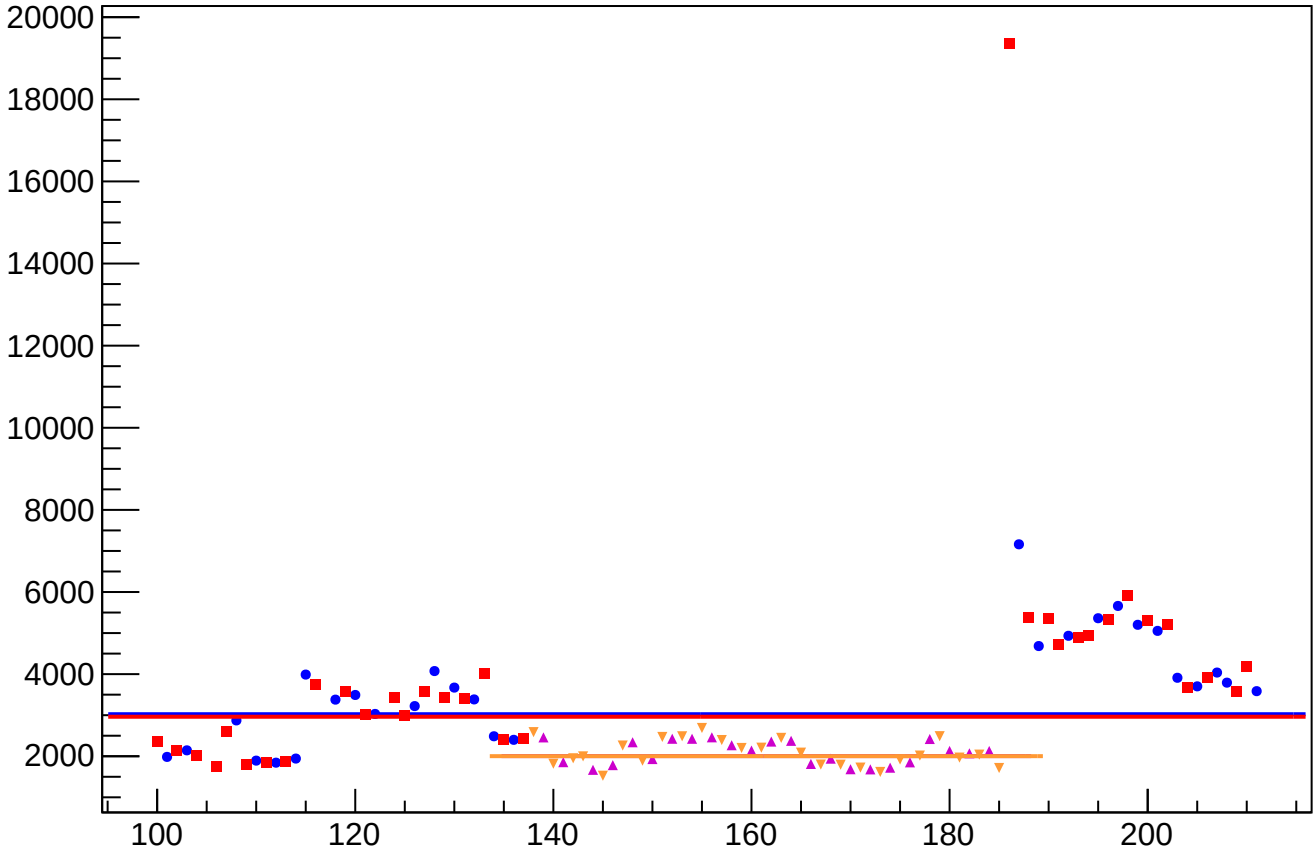
Left In: -313.745+/-474.086 χ^2/NDF:23.7/22

+ sign -2016.211+/-398.776 χ^2/NDF: 88.4/52

All: -1537.702+/-283.194 χ^2/NDF: 164.3/108

- sign -1050.842+/-402.240 χ^2/NDF: 73.0/55

asym_sam4_cor_correction_rms vs Slug



Right In: 3023.802+/-0.560 χ^2/NDF: 3794085.1/27

Left Out: 2002.229+/-0.326 χ^2/NDF:892706.8/24

Right Out: 2962.450+/-0.537 χ^2/NDF: 5510094.7/32

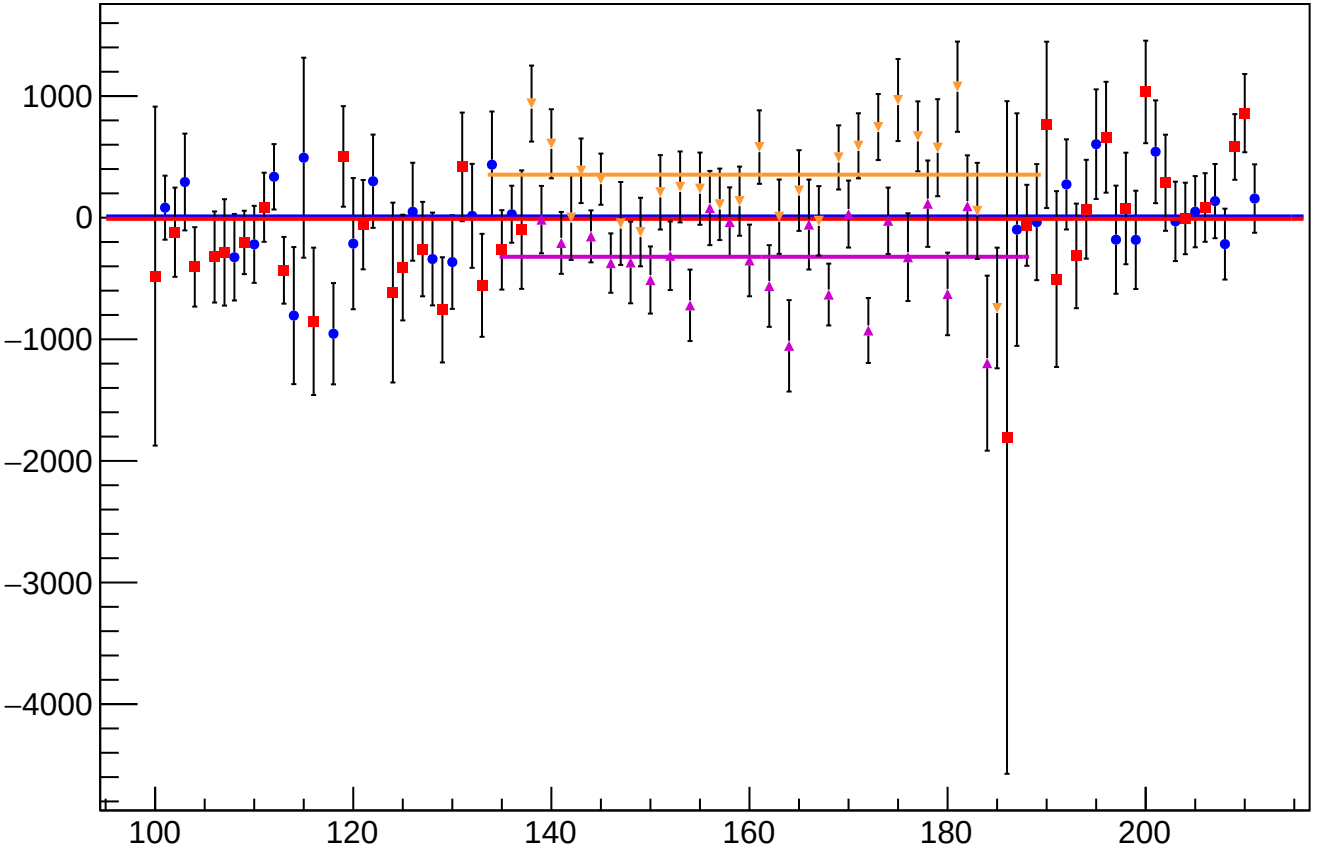
Left In: 2004.244+/-0.335 χ^2/NDF:704920.5/22

+ sign 2261.542+/-0.282 χ^2/NDF: 7172786.1/52

All: 2267.054+/-0.200 χ^2/NDF: 15677252.2/1

- sign 2272.662+/-0.284 χ^2/NDF: 8503695.3/55

eigen_cor_asym_sam4_mean vs Slug



Right In: 10.335+/-68.607 χ^2/NDF: 20.1/27

Left Out: 353.640+/-60.149 χ^2/NDF:32.3/24

Right Out: -9.453+/-66.943 χ^2/NDF: 41.3/32

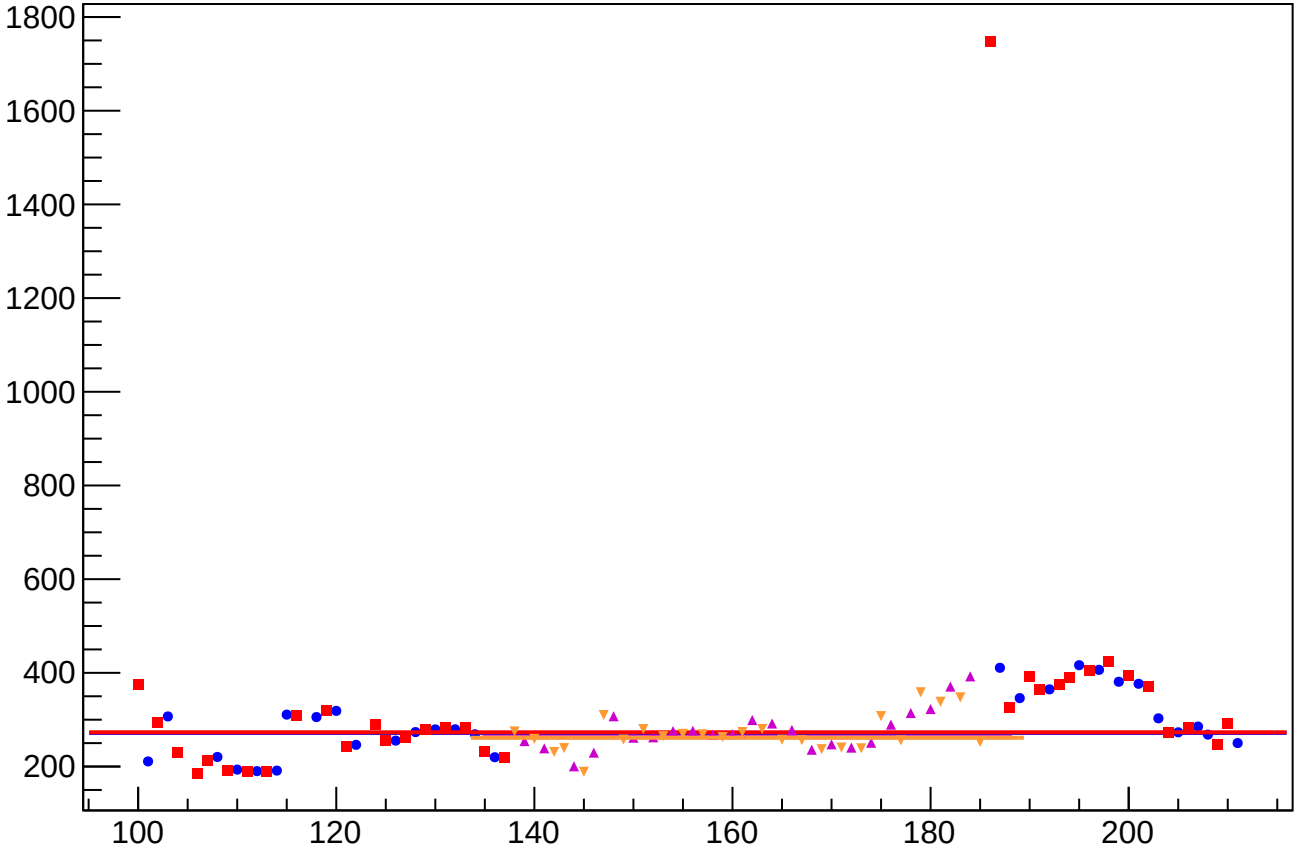
Left In: -321.514+/-62.113 χ^2/NDF:26.2/22

+ sign 204.443+/-45.228 χ^2/NDF: 66.6/52

All: 14.928+/-32.088 χ^2/NDF: 181.1/108

- sign -177.145+/-45.532 χ^2/NDF: 79.2/55

eigen_cor_asym_sam4_rms vs Slug



Right In: 271.795+/-0.049 χ^2/NDF: 1564743.1/27

Left Out: 261.470+/-0.043 χ^2/NDF:715467.9/24

Right Out: 273.050+/-0.047 χ^2/NDF: 2554019.7/32

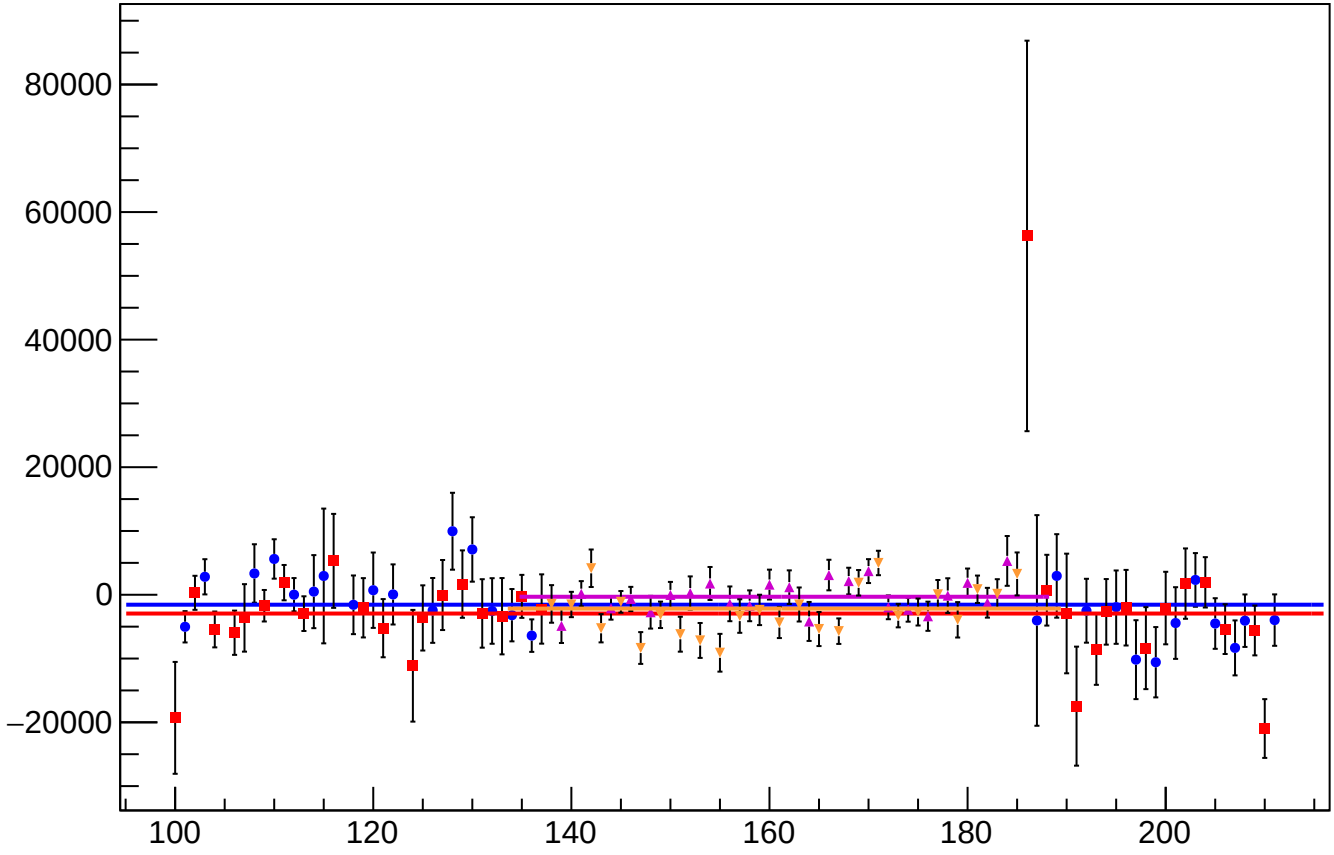
Left In: 262.616+/-0.044 χ^2/NDF:670646.4/22

+ sign 265.957+/-0.032 χ^2/NDF: 2305826.4/52

All: 266.695+/-0.023 χ^2/NDF: 5557673.4/108

- sign 267.443+/-0.032 χ^2/NDF: 3250774.7/55

asym_sam4_eigen_cor_correction_mean vs Slug



Right In: -1558.818+/-791.501 χ^2/NDF: 32.4/27

Left Out: -2171.811+/-461.649 χ^2/NDF:55.5/24

Right Out: -2945.060+/-759.993 χ^2/NDF: 40.8/32

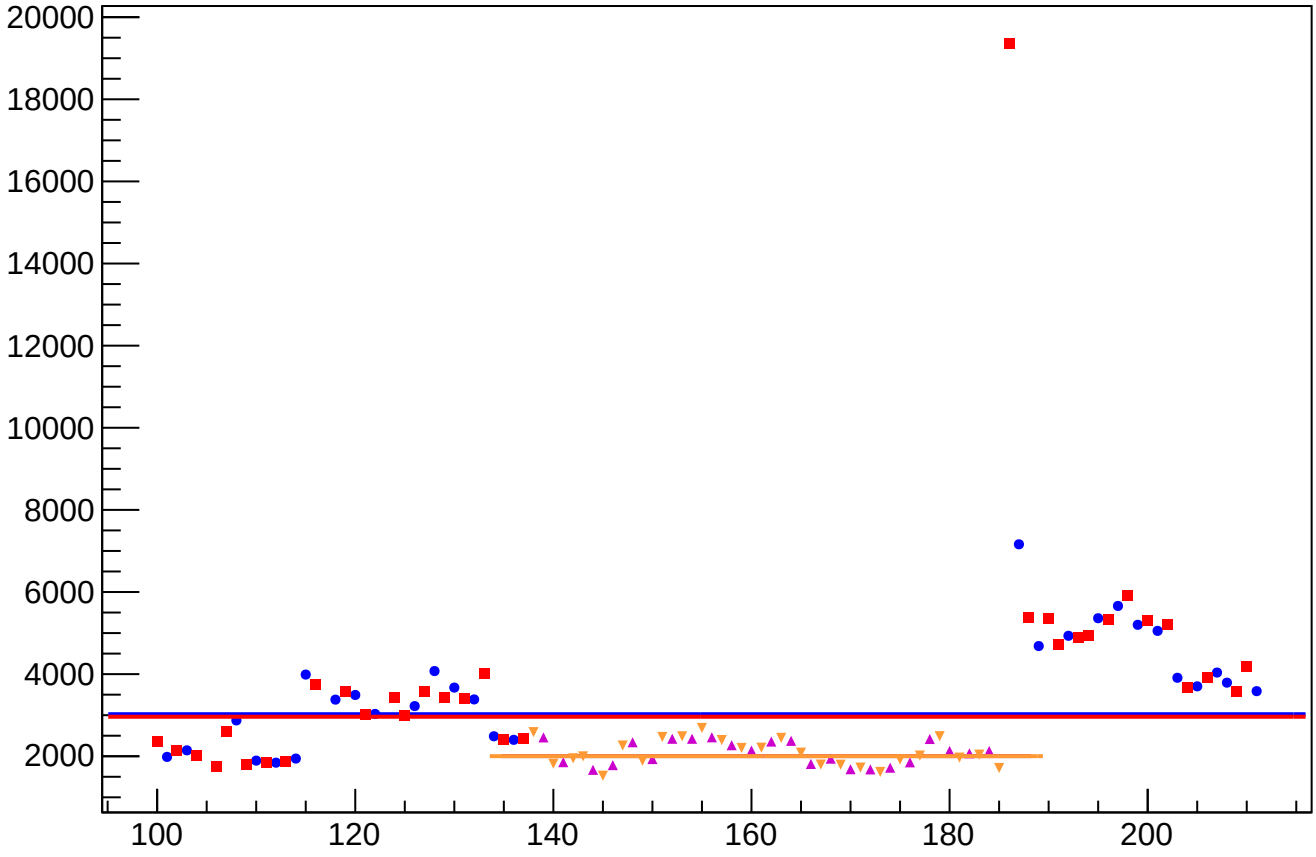
Left In: -313.745+/-474.086 χ^2/NDF:23.7/22

+ sign -2016.211+/-398.776 χ^2/NDF: 88.4/52

All: -1537.702+/-283.194 χ^2/NDF: 164.3/108

- sign -1050.842+/-402.240 χ^2/NDF: 73.0/55

asym_sam4_eigen_cor_correction_rms vs Slug



Right In: 3023.802+/-0.560 χ^2/NDF: 3794085.1/27

Left Out: 2002.229+/-0.326 χ^2/NDF:892706.8/24

Right Out: 2962.450+/-0.537 χ^2/NDF: 5510094.7/32

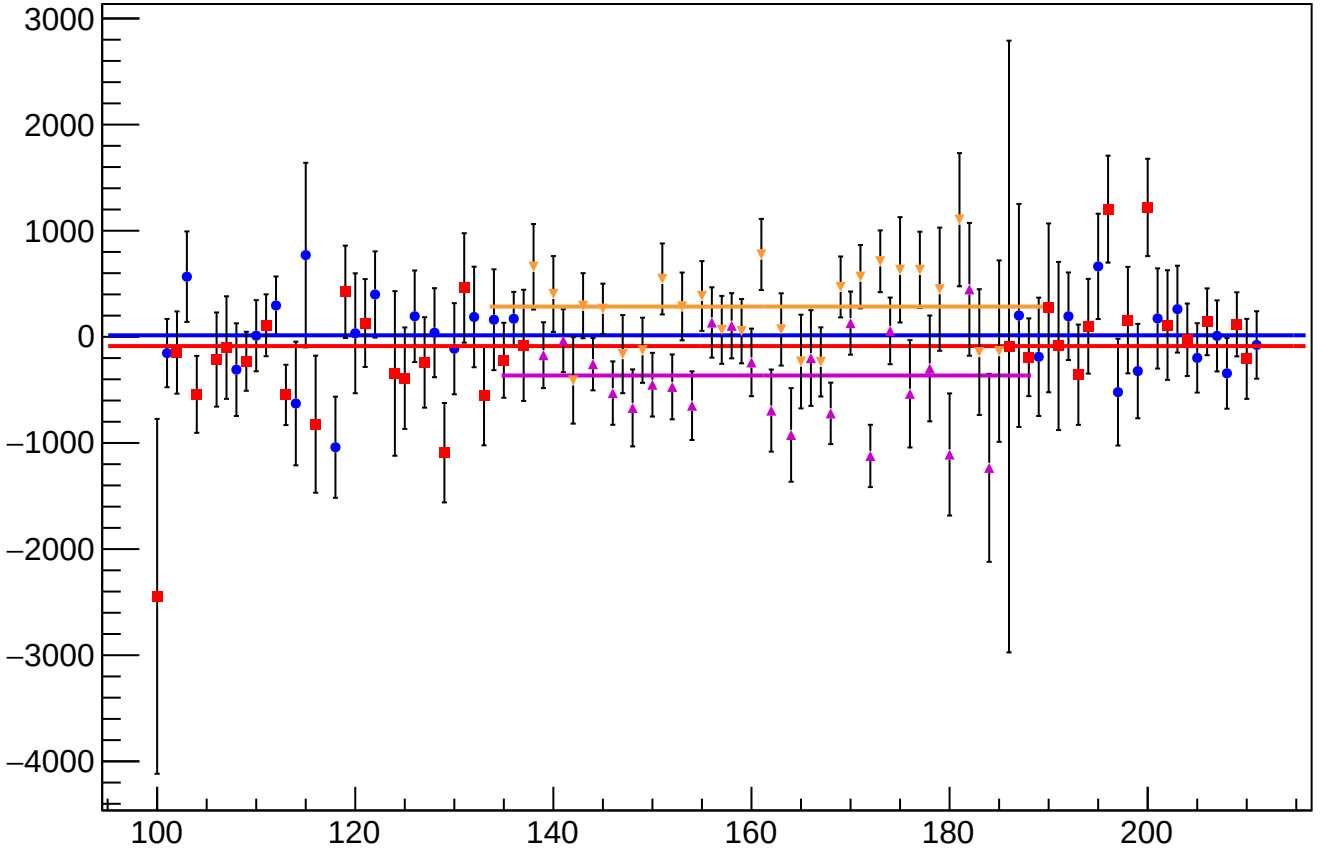
Left In: 2004.244+/-0.335 χ^2/NDF:704920.5/22

+ sign 2261.542+/-0.282 χ^2/NDF: 7172786.1/52

All: 2267.054+/-0.200 χ^2/NDF: 15677252.2/1

- sign 2272.662+/-0.284 χ^2/NDF: 8503695.3/55

dit_asym_sam4_mean vs Slug



Right In: 14.528+/-76.195 χ^2/NDF: 18.1/27

Left Out: 284.913+/-70.036 χ^2/NDF:22.8/24

Right Out: -87.111+/-73.725 χ^2/NDF: 34.4/32

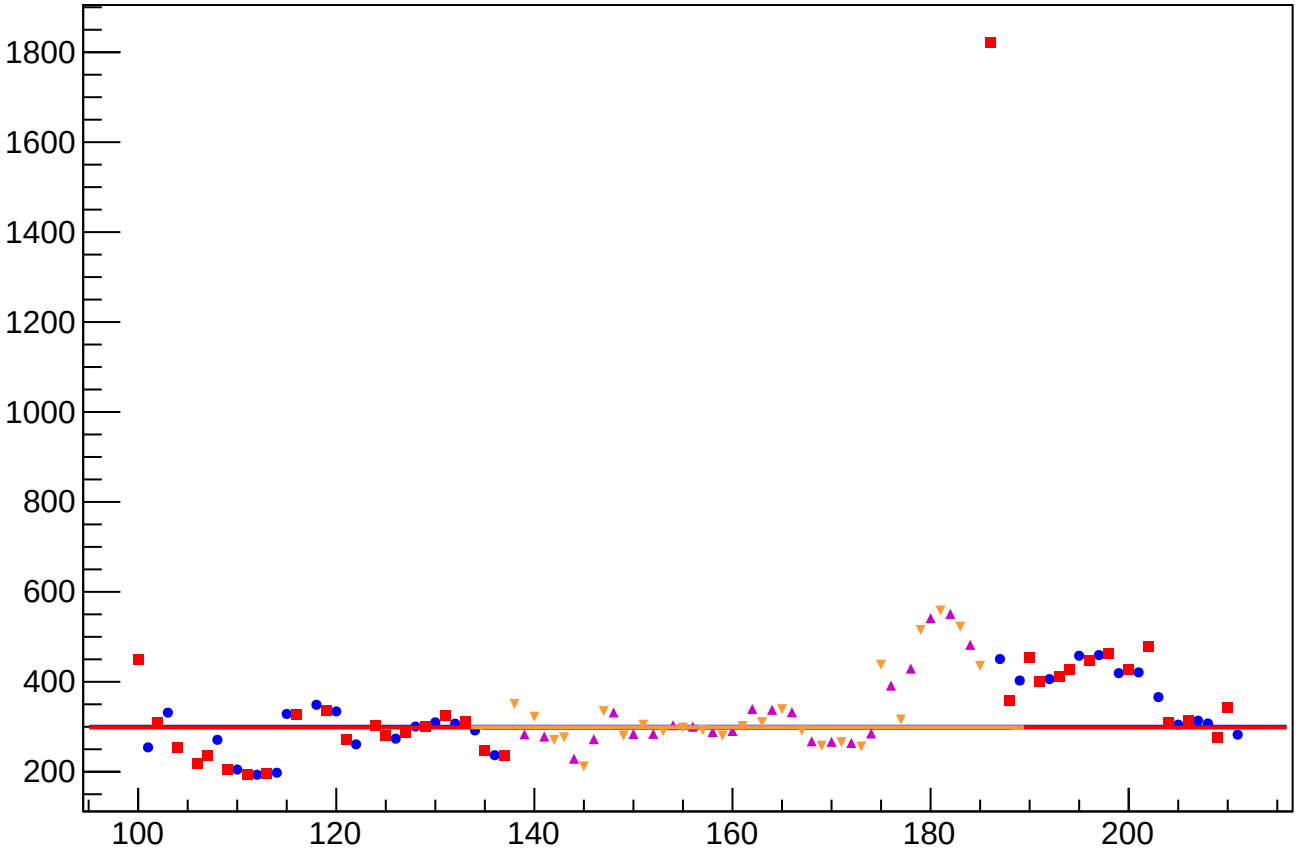
Left In: -364.163+/-71.714 χ^2/NDF:28.2/22

+ sign 161.088+/-51.563 χ^2/NDF: 47.8/52

All: -34.788+/-36.405 χ^2/NDF: 146.4/108

- sign -229.469+/-51.406 χ^2/NDF: 69.9/55

dit_asym_sam4_rms vs Slug



Right In: 300.025+/-0.054 χ^2/NDF: 1752365.8/27

Left Out: 298.938+/-0.050 χ^2/NDF:1613077.3/24

Right Out: 298.445+/-0.052 χ^2/NDF: 2844982.8/32

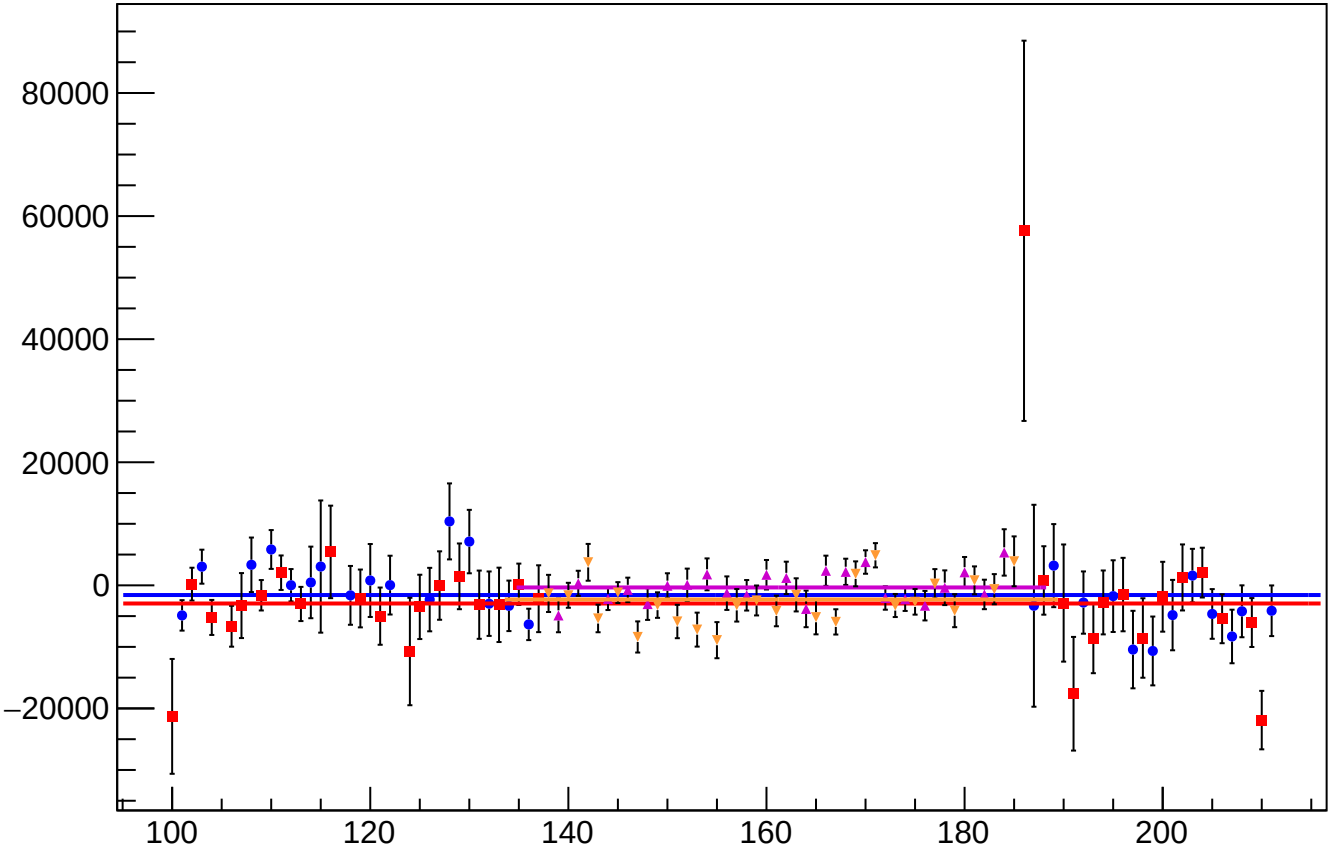
Left In: 297.885+/-0.051 χ^2/NDF:1319062.0/22

+ sign 299.436+/-0.036 χ^2/NDF: 3365663.9/52

All: 298.795+/-0.026 χ^2/NDF: 7530384.7/108

- sign 298.157+/-0.036 χ^2/NDF: 4164104.0/55

asym_sam4_dit_correction_mean vs Slug



Right In: -1573.771+/-800.555 χ^2/NDF: 32.4/27

Left Out: -2290.992+/-470.518 χ^2/NDF:51.7/24

Right Out: -2949.580+/-765.557 χ^2/NDF: 42.5/32

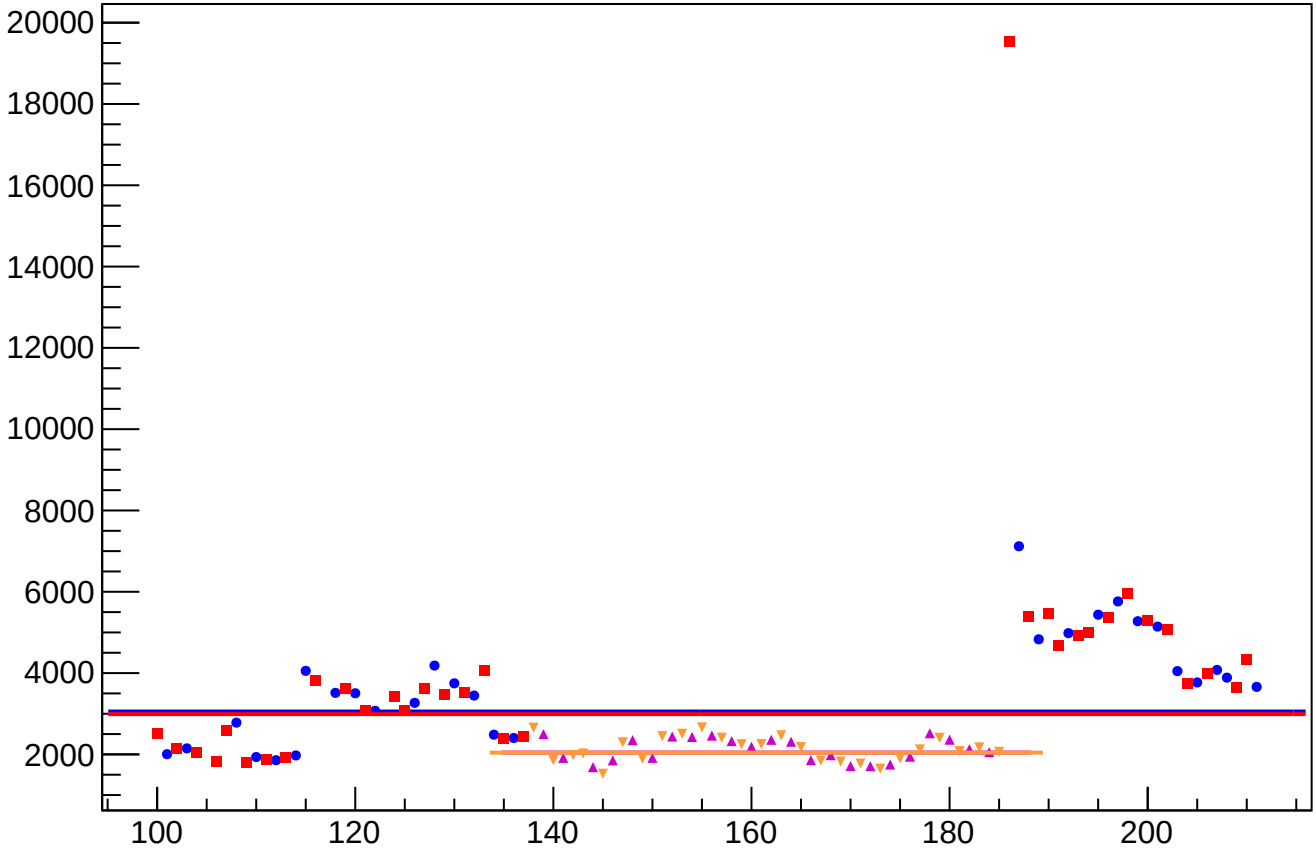
Left In: -342.609+/-483.605 χ^2/NDF:22.8/22

+ sign -2106.847+/-405.643 χ^2/NDF: 84.7/52

All: -1600.551+/-287.963 χ^2/NDF: 161.4/108

- sign -1086.193+/-408.860 χ^2/NDF: 73.6/55

asym_sam4_dit_correction_rms vs Slug



Right In: 3054.655+/-0.566 χ^2/NDF: 3891572.8/27

Left Out: 2043.746+/-0.333 χ^2/NDF:853391.4/24

Right Out: 2990.216+/-0.541 χ^2/NDF: 5496740.4/32

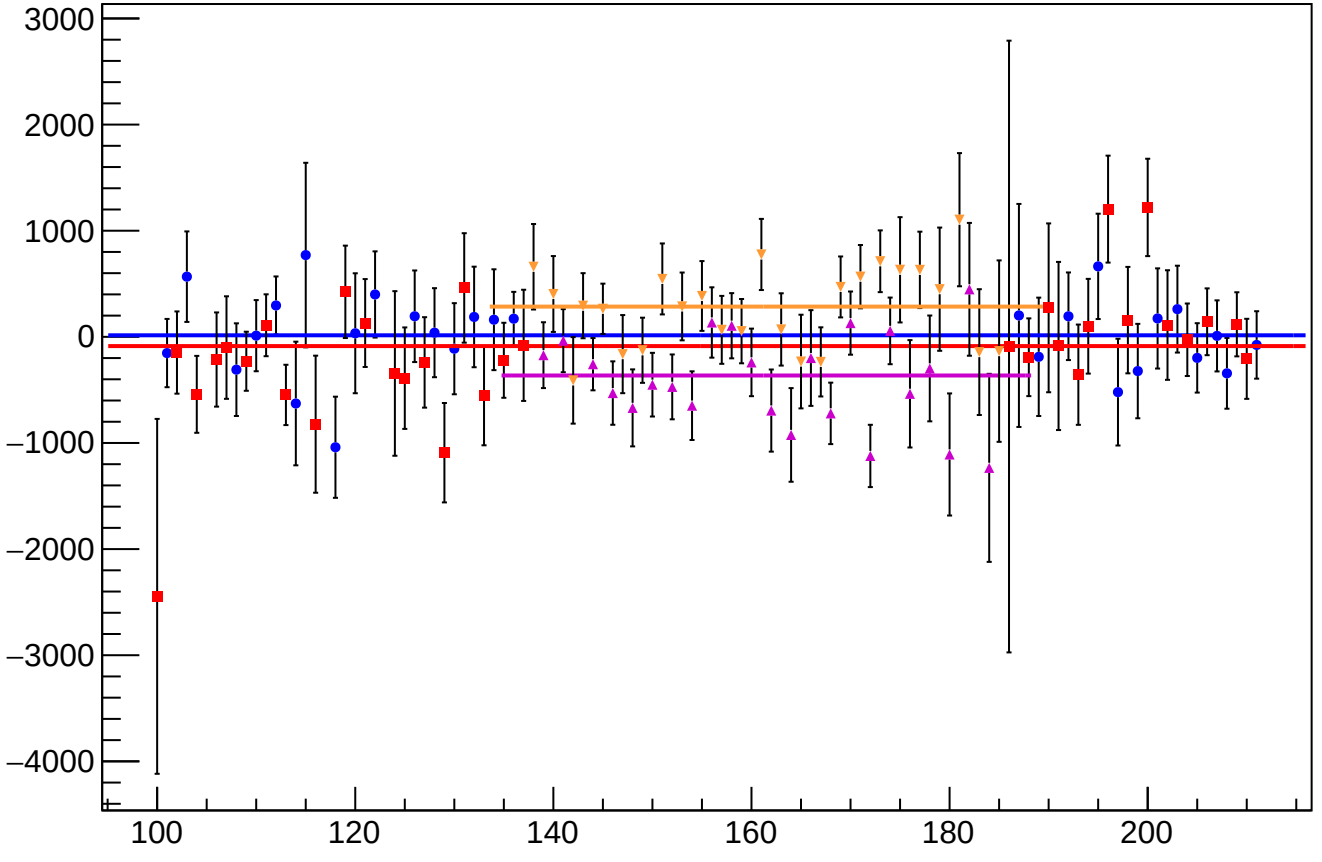
Left In: 2045.178+/-0.342 χ^2/NDF:690219.7/22

+ sign 2303.294+/-0.287 χ^2/NDF: 7115293.8/52

All: 2308.967+/-0.204 χ^2/NDF: 15481459.4/1

- sign 2314.731+/-0.289 χ^2/NDF: 8365376.9/55

eigen_dit_asym_sam4_mean vs Slug



Right In: 14.533+/-76.195 χ^2/NDF: 18.1/27

Left Out: 284.918+/-70.036 χ^2/NDF:22.8/24

Right Out: -87.108+/-73.725 χ^2/NDF: 34.4/32

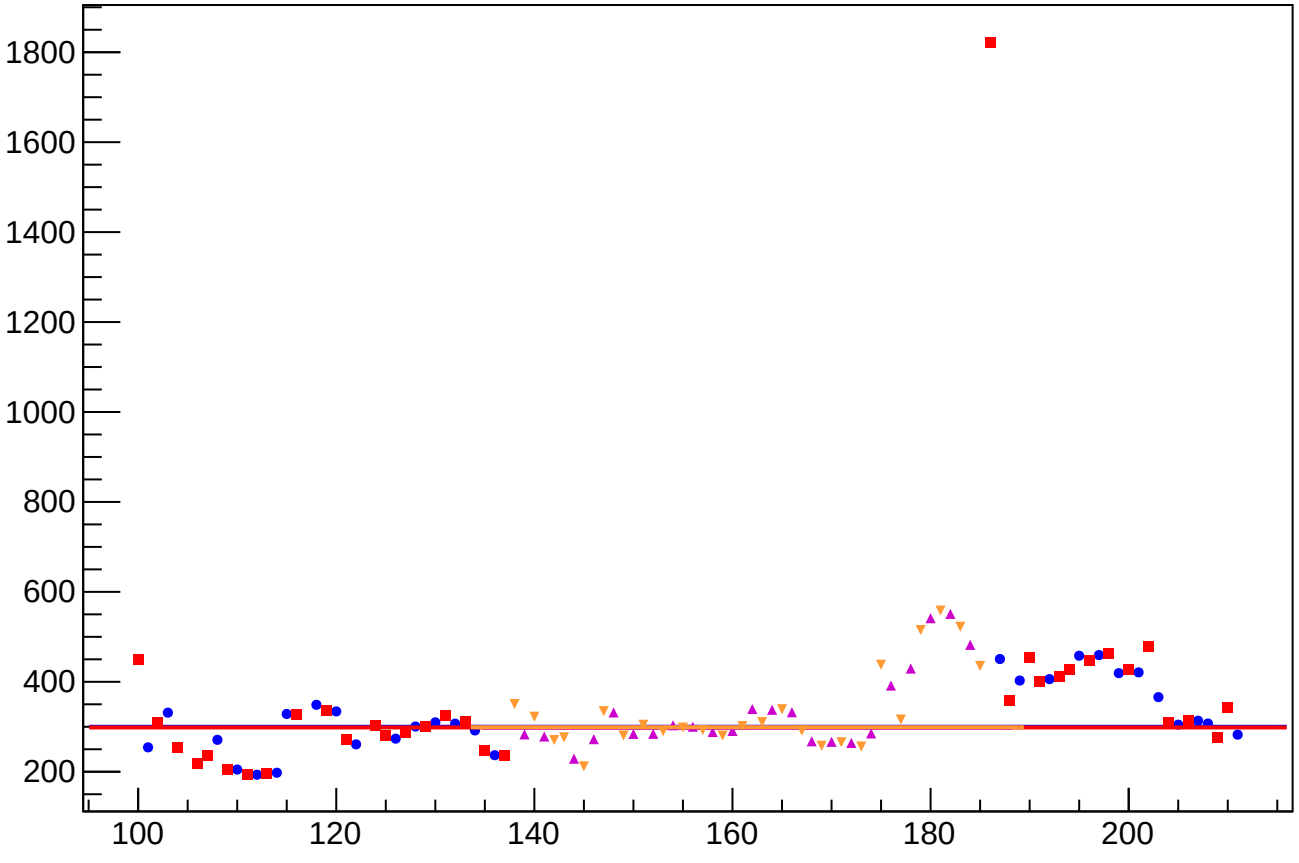
Left In: -364.164+/-71.714 χ^2/NDF:28.2/22

+ sign 161.093+/-51.563 χ^2/NDF: 47.8/52

All: -34.785+/-36.405 χ^2/NDF: 146.4/108

- sign -229.468+/-51.406 χ^2/NDF: 69.9/55

eigen_dit_asym_sam4_rms vs Slug



Right In: 300.025+/-0.054 χ^2/NDF: 1752352.2/27

Left Out: 298.938+/-0.050 χ^2/NDF:1613074.5/24

Right Out: 298.445+/-0.052 χ^2/NDF: 2844987.4/32

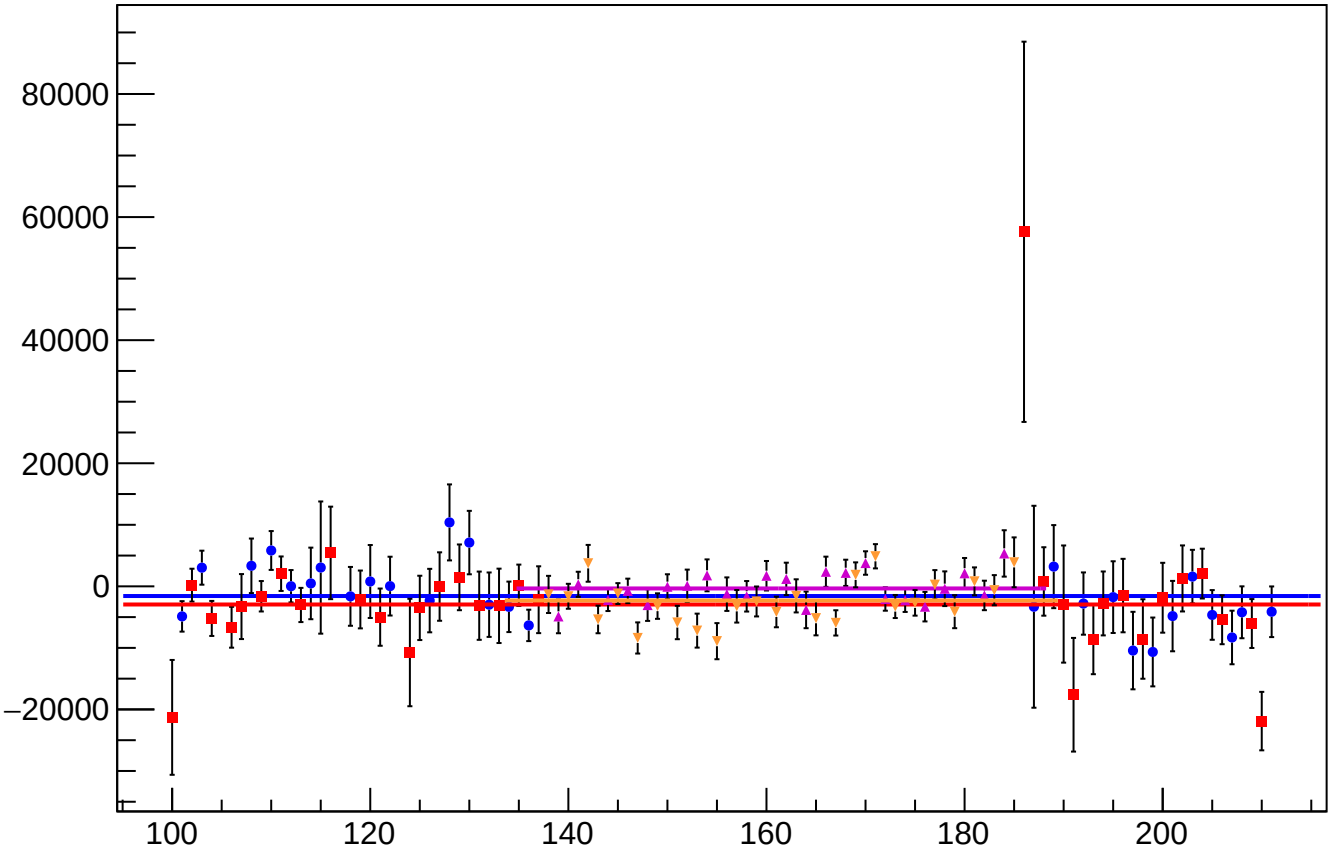
Left In: 297.885+/-0.051 χ^2/NDF:1319043.7/22

+ sign 299.436+/-0.036 χ^2/NDF: 3365647.4/52

All: 298.795+/-0.026 χ^2/NDF: 7530354.5/108

- sign 298.157+/-0.036 χ^2/NDF: 4164090.2/55

asym_sam4_eigen_dit_correction_mean vs Slug



Right In: -1573.768+/-800.554 χ^2/NDF: 32.4/27

Left Out: -2290.986+/-470.517 χ^2/NDF:51.7/24

Right Out: -2949.576+/-765.556 χ^2/NDF: 42.5/32

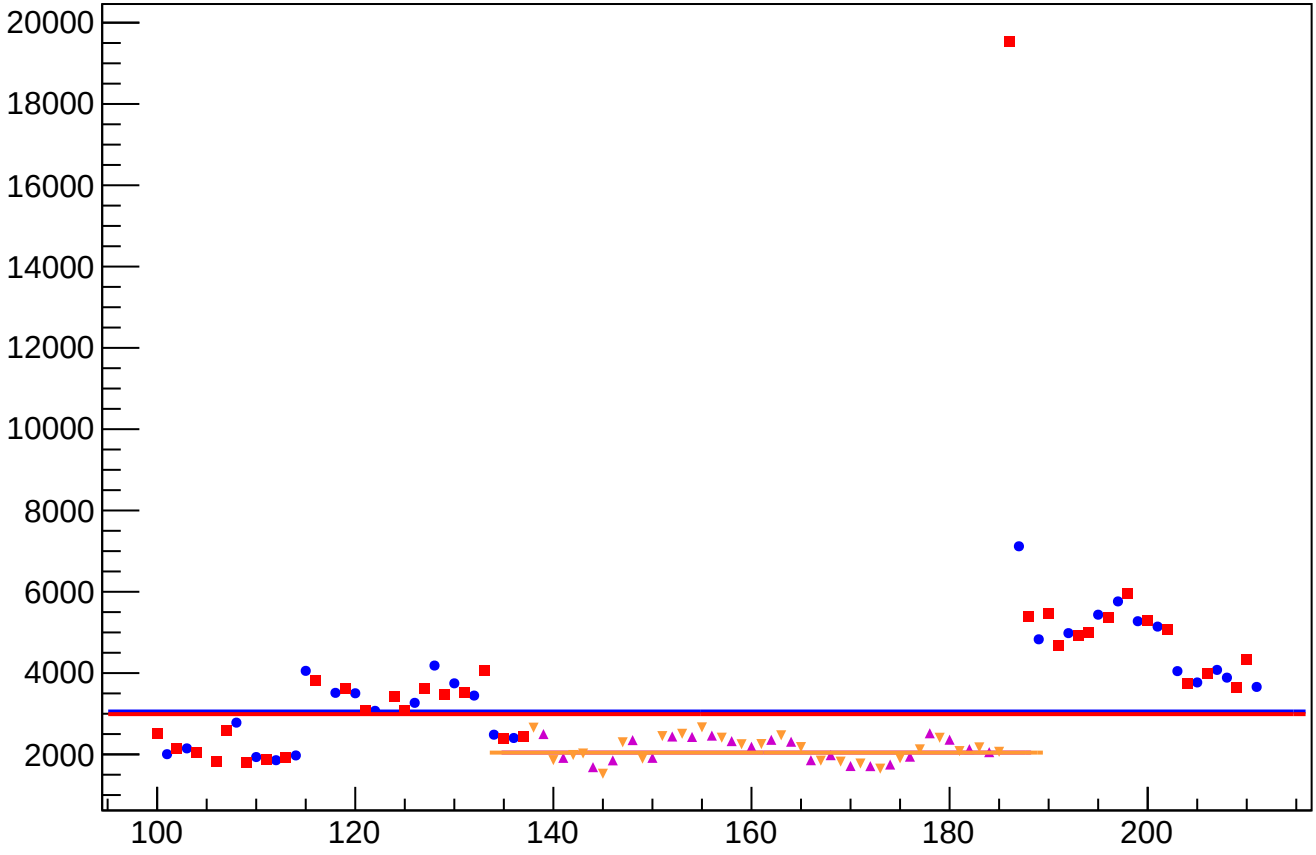
Left In: -342.606+/-483.604 χ^2/NDF:22.8/22

+ sign -2106.843+/-405.643 χ^2/NDF: 84.7/52

All: -1600.546+/-287.963 χ^2/NDF: 161.4/108

- sign -1086.189+/-408.859 χ^2/NDF: 73.6/55

asym_sam4_eigen_dit_correction_rms vs Slug



Right In: 3054.653+/-0.566 χ^2/NDF: 3891572.3/27

Left Out: 2043.742+/-0.333 χ^2/NDF:853393.7/24

Right Out: 2990.214+/-0.541 χ^2/NDF: 5496736.9/32

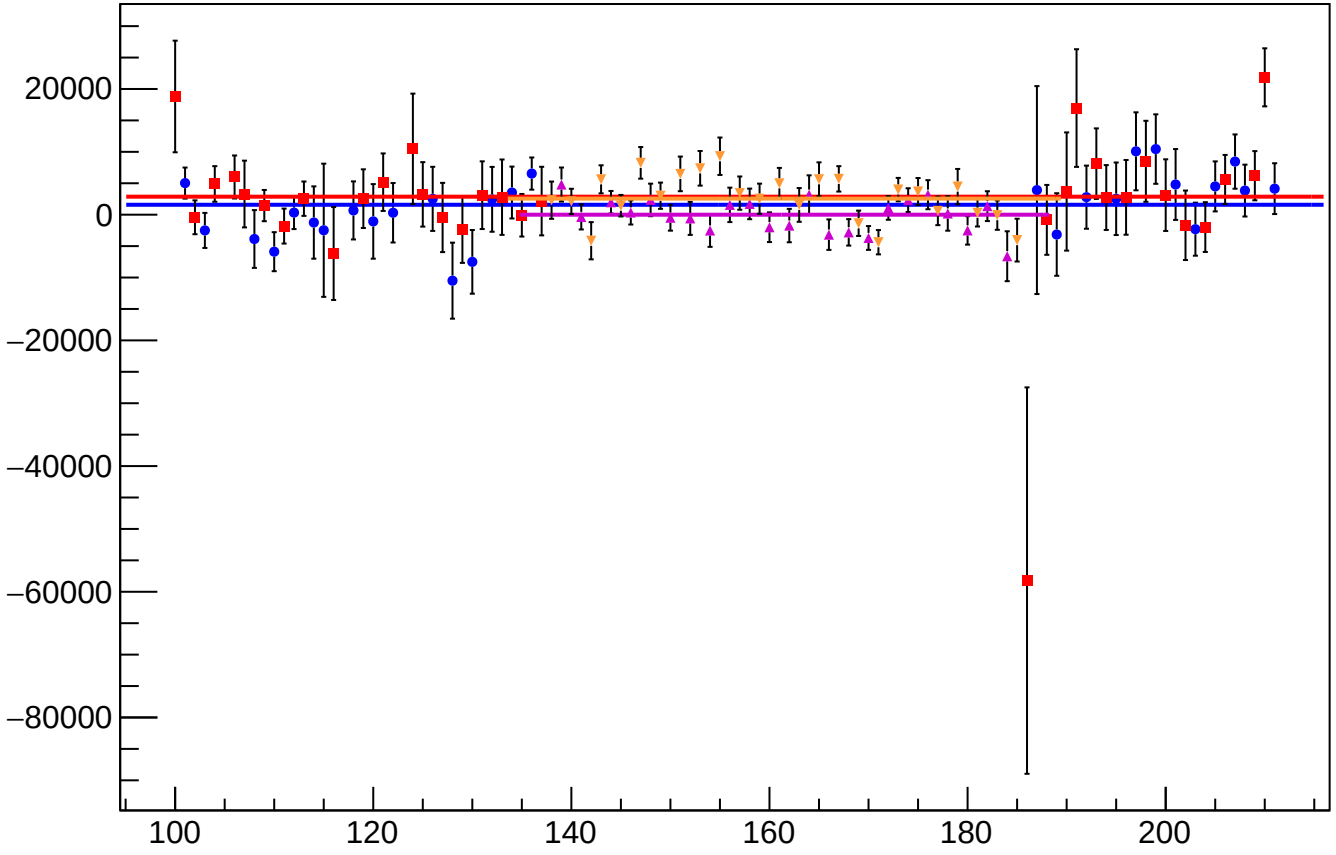
Left In: 2045.175+/-0.342 χ^2/NDF:690218.2/22

+ sign 2303.291+/-0.287 χ^2/NDF: 7115305.3/52

All: 2308.964+/-0.204 χ^2/NDF: 15481473.4/1

- sign 2314.728+/-0.289 χ^2/NDF: 8365379.5/55

asym_sam4_mean vs Slug



Right In: 1577.881+/-795.243 χ^2/NDF: 33.5/27

Left Out: 2559.048+/-465.944 χ^2/NDF:52.7/24

Right Out: 2864.560+/-762.917 χ^2/NDF: 42.5/32

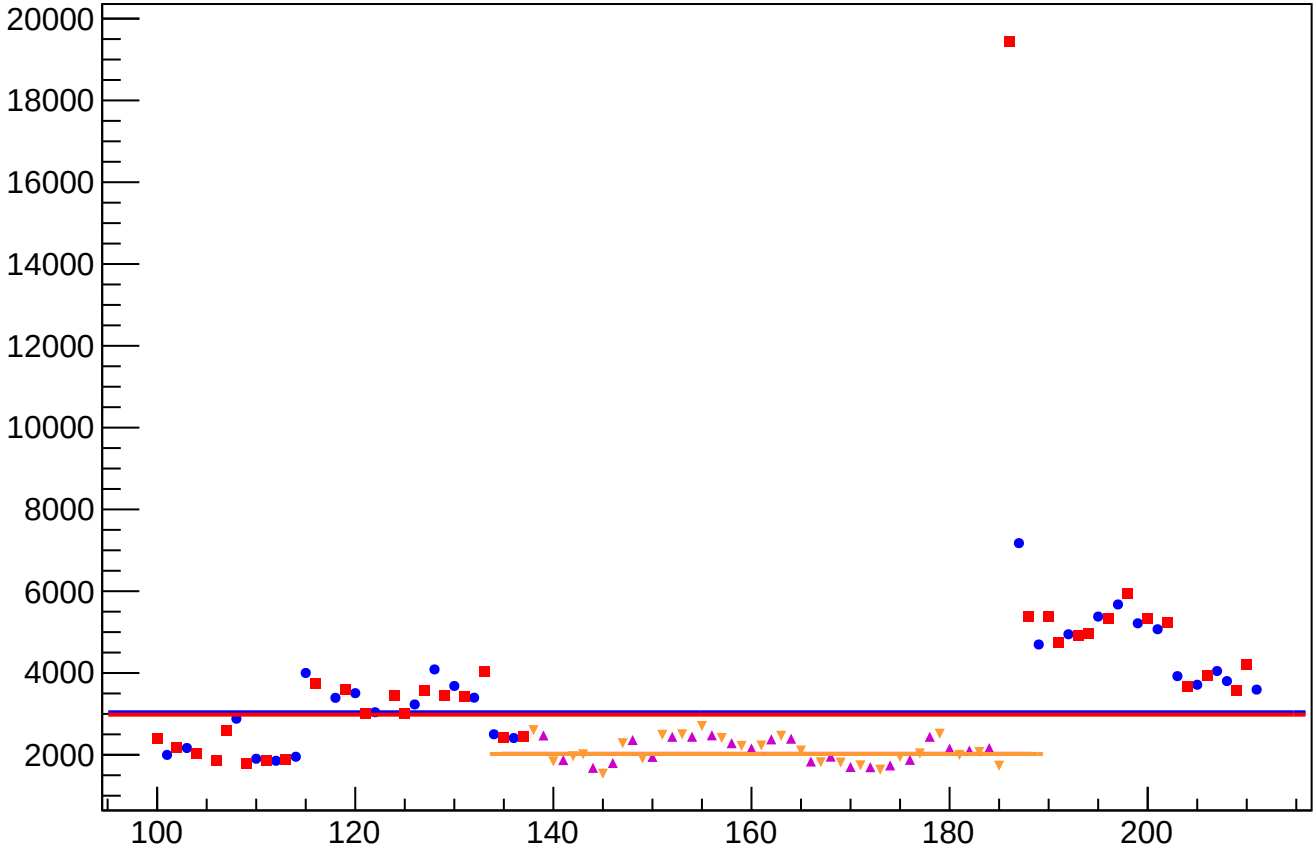
Left In: -3.474+/-478.514 χ^2/NDF:24.7/22

+ sign 2308.299+/-402.021 χ^2/NDF: 87.3/52

All: 1563.520+/-285.450 χ^2/NDF: 171.5/108

- sign 806.261+/-405.375 χ^2/NDF: 77.3/55

asym_sam4_rms vs Slug



Right In: 3039.768+/-0.562 χ^2/NDF: 3762989.0/27

Left Out: 2021.266+/-0.329 χ^2/NDF:881370.9/24

Right Out: 2981.759+/-0.539 χ^2/NDF: 5438743.5/32

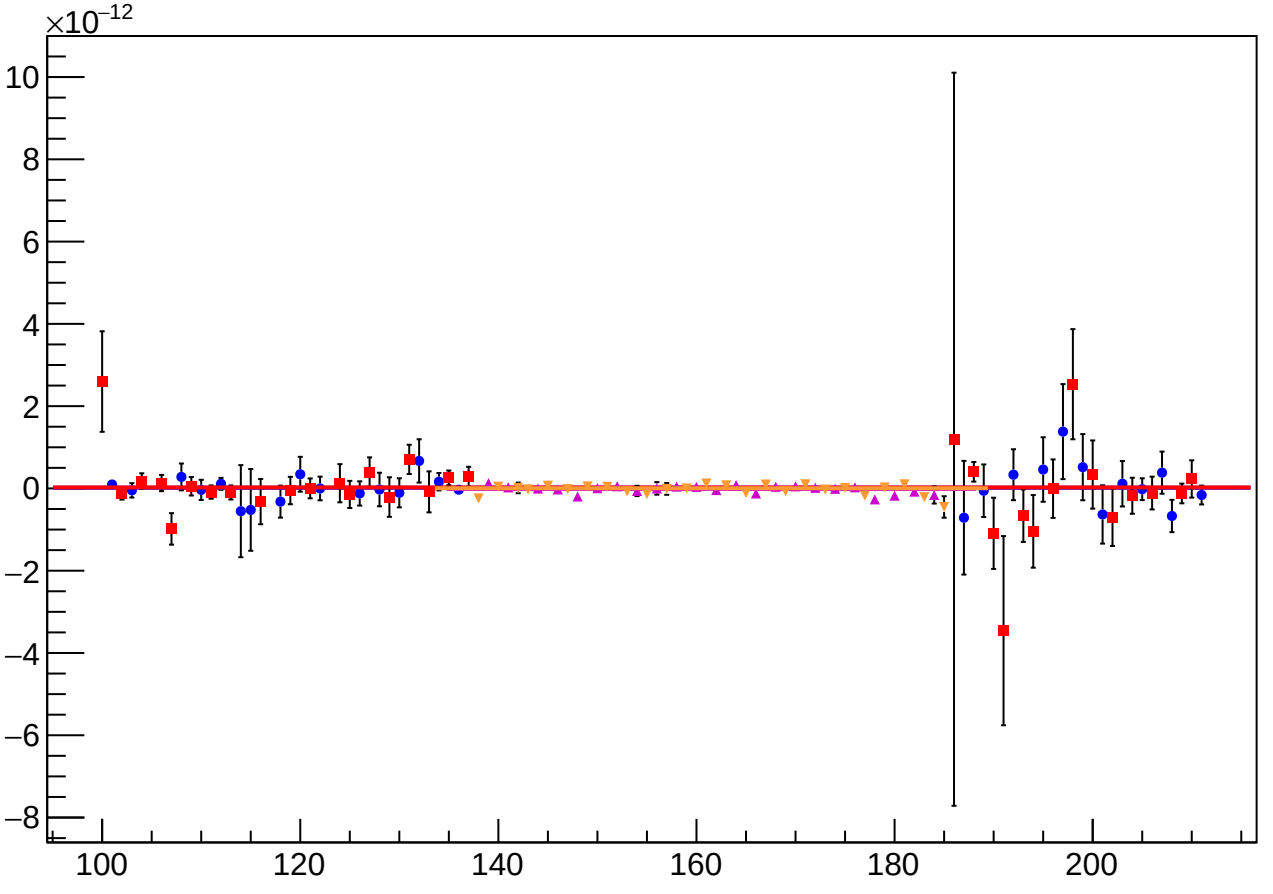
Left In: 2023.284+/-0.338 χ^2/NDF:696055.4/22

+ sign 2281.556+/-0.284 χ^2/NDF: 7086567.7/52

All: 2287.672+/-0.202 χ^2/NDF: 15487789.7/1

- sign 2293.891+/-0.287 χ^2/NDF: 8400288.4/55

asym_sam4_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 13.9/27

Left Out: 0.000+/-0.000 χ^2/NDF:32.1/24

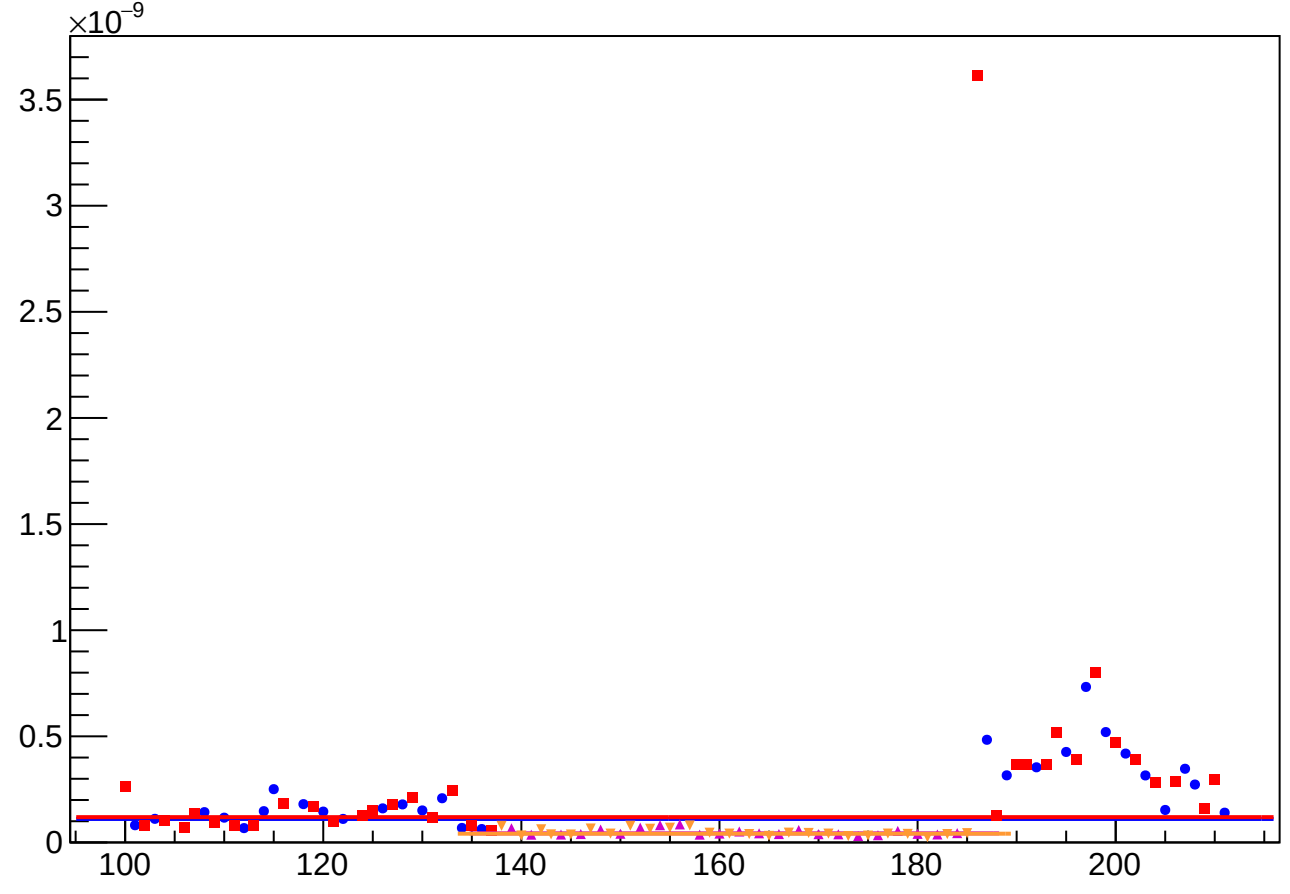
Right Out: 0.000+/-0.000 χ^2/NDF: 37.9/32

Left In: -0.000+/-0.000 χ^2/NDF:20.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 46.1/52

All: -0.000+/-0.000 χ^2/NDF: 105.7/108

- sign -0.000+/-0.000 χ^2/NDF: 59.2/55



Right In: 0.000+/-0.000 χ^2/NDF: 4814930.0/27

Left Out: 0.000+/-0.000 χ^2/NDF:1235677.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4856237.0/32

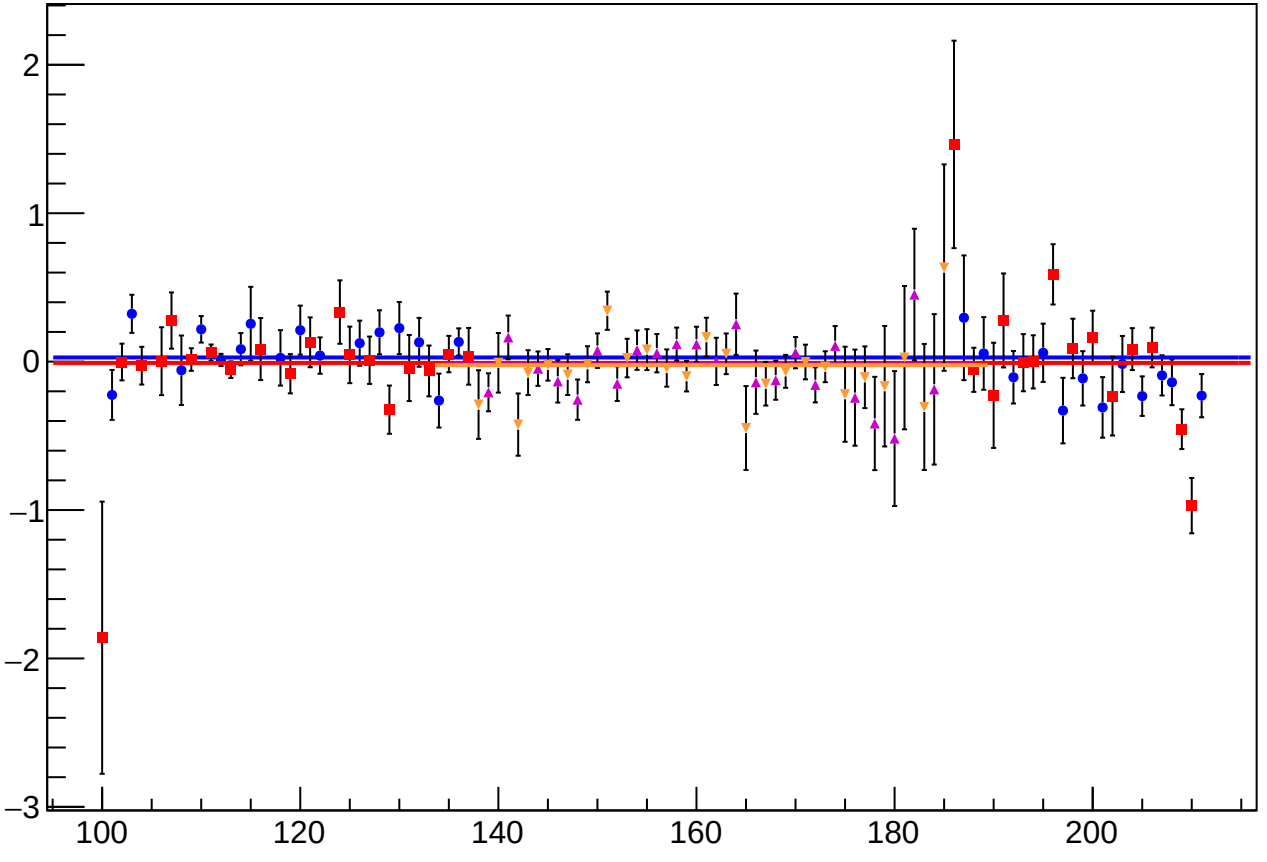
Left In: 0.000+/-0.000 χ^2/NDF:931395.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 9718205.3/52

All: 0.000+/-0.000 χ^2/NDF: 19544428.6/108

- sign 0.000+/-0.000 χ^2/NDF: 9799098.4/55

asym_sam4_dit_vs_cor_diff_mean vs Slug



Right In: 0.028+/-0.024 χ^2/NDF: 37.8/27

Left Out: -0.024+/-0.030 χ^2/NDF:22.2/24

Right Out: -0.009+/-0.024 χ^2/NDF: 71.7/32

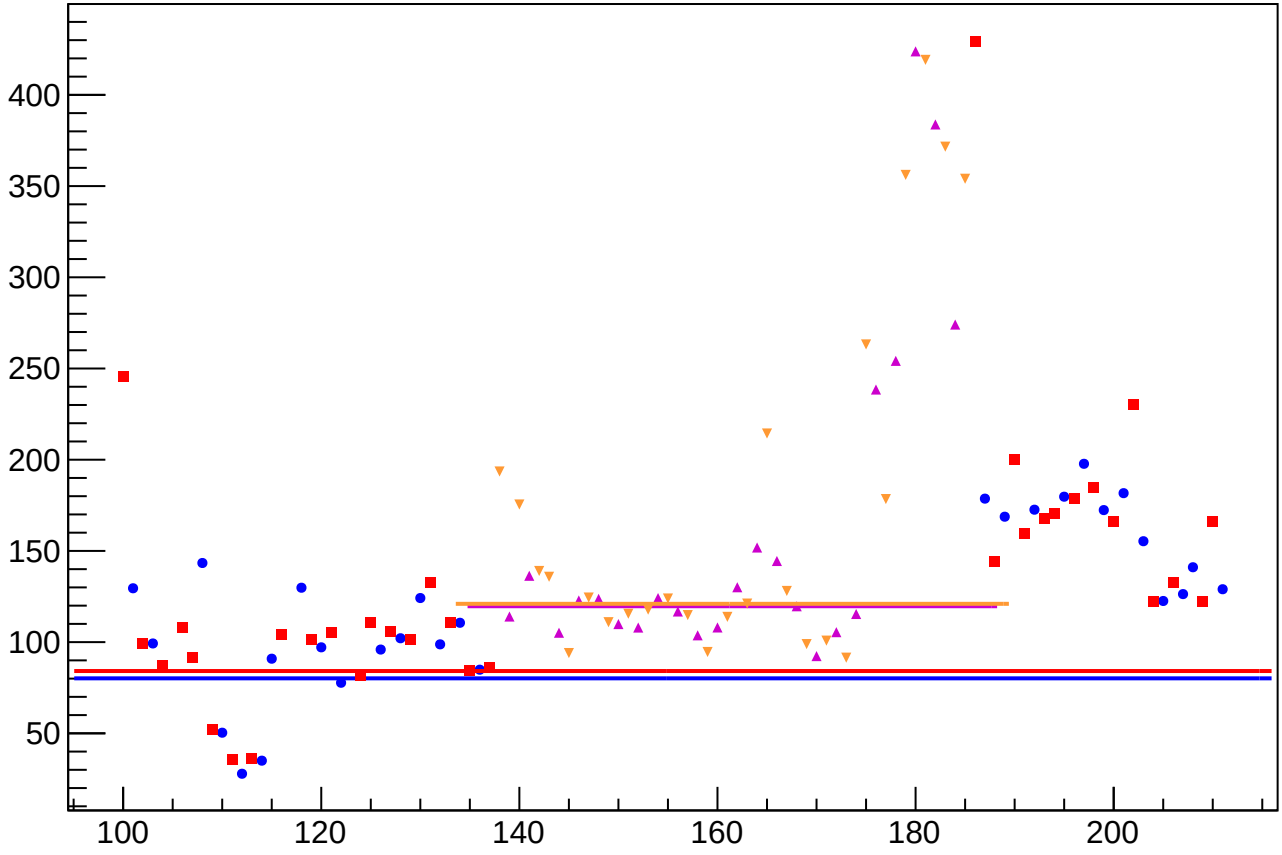
Left In: -0.019+/-0.030 χ^2/NDF:23.0/22

+ sign 0.008+/-0.019 χ^2/NDF: 61.8/52

All: -0.002+/-0.013 χ^2/NDF: 157.2/108

- sign -0.013+/-0.019 χ^2/NDF: 94.8/55

asym_sam4_dit_vs_cor_diff_rms vs Slug



Right In: 80.146+/-0.017 χ^2/NDF: 8899182.0/27

Left Out: 120.999+/-0.021 χ^2/NDF:4095266.9/24

Right Out: 84.158+/-0.017 χ^2/NDF: 8742848.9/32

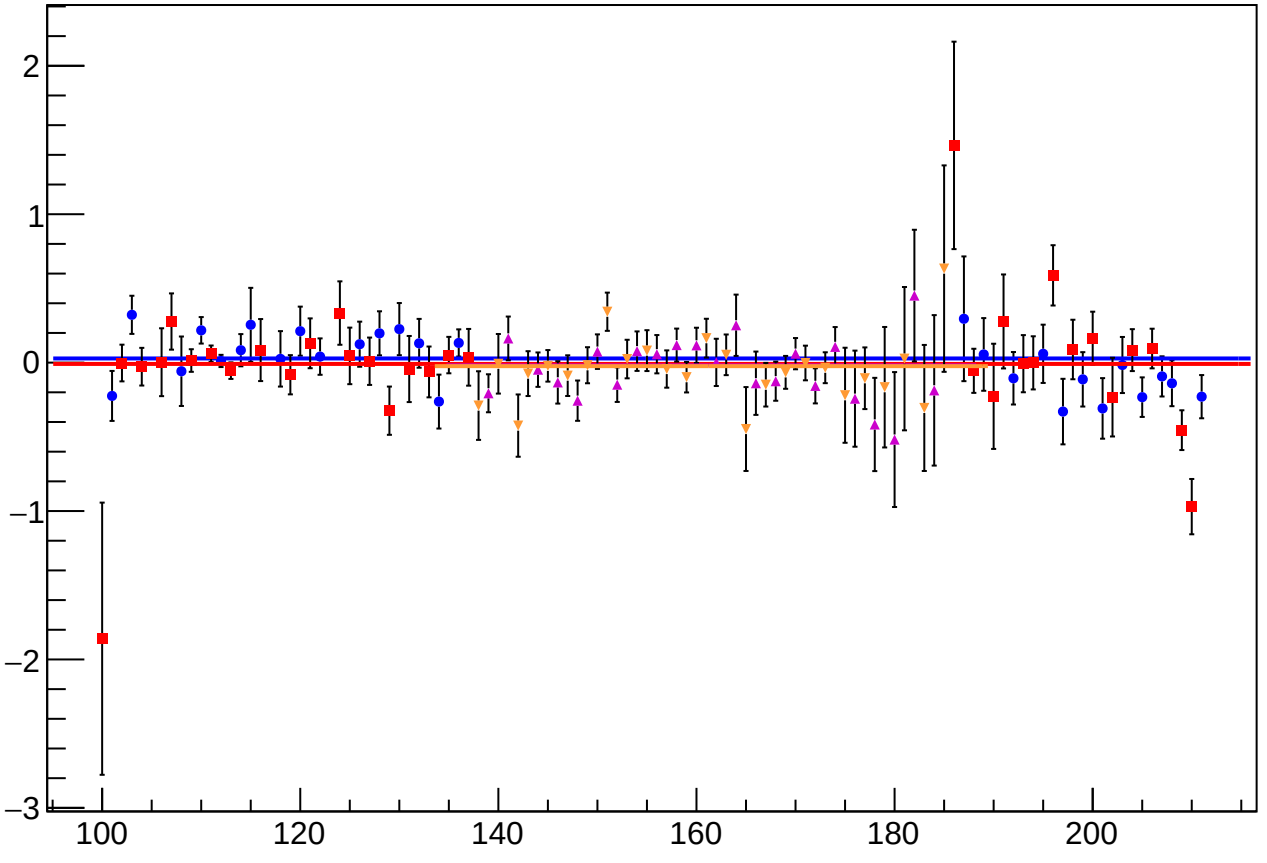
Left In: 119.679+/-0.021 χ^2/NDF:2838257.9/22

+ sign 96.056+/-0.013 χ^2/NDF: 15273672.8/52

All: 96.831+/-0.009 χ^2/NDF: 28578618.3/108

- sign 97.600+/-0.013 χ^2/NDF: 13298071.7/55

asym_sam4_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.028+/-0.024 χ^2/NDF: 37.8/27

Left Out: -0.024+/-0.030 χ^2/NDF:22.2/24

Right Out: -0.009+/-0.024 χ^2/NDF: 71.7/32

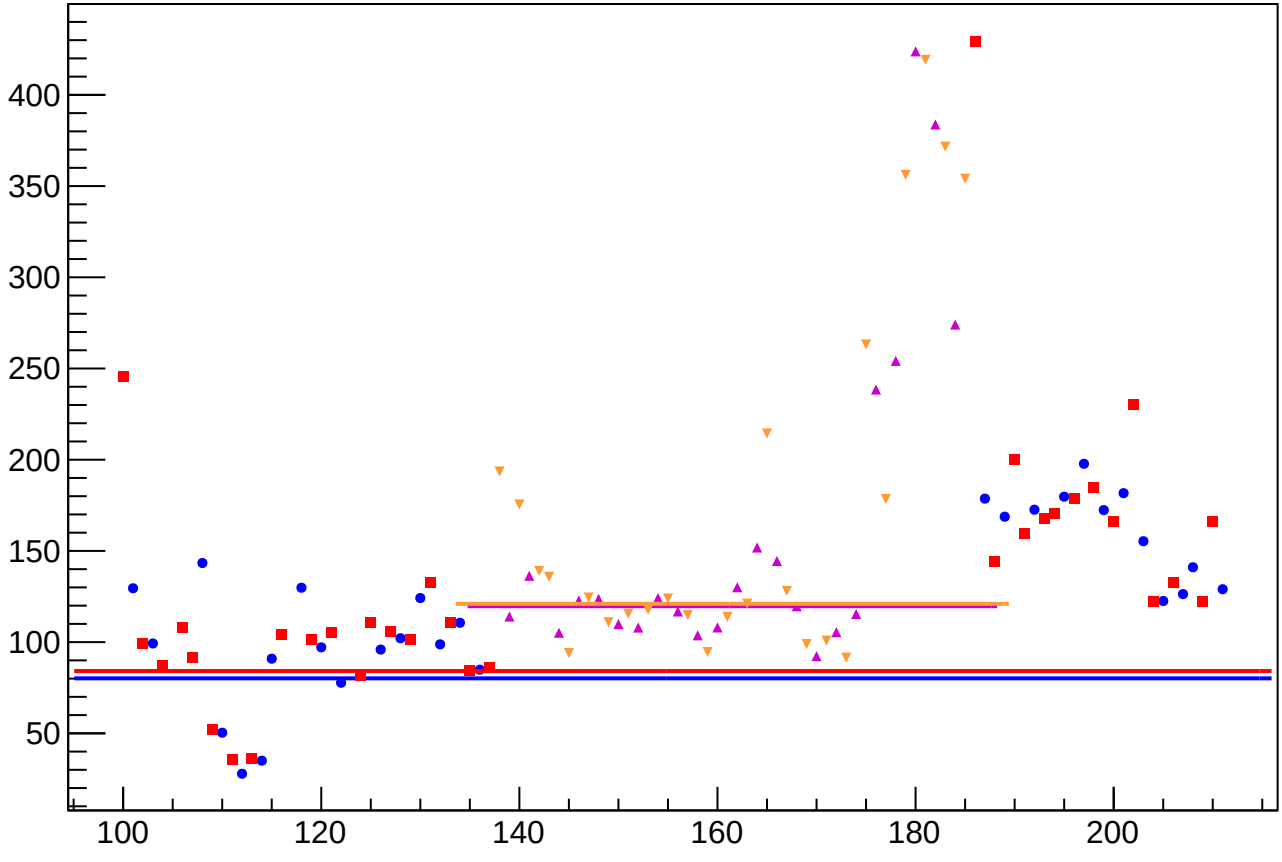
Left In: -0.019+/-0.030 χ^2/NDF:23.0/22

+ sign 0.008+/-0.019 χ^2/NDF: 61.8/52

All: -0.002+/-0.013 χ^2/NDF: 157.2/108

- sign -0.013+/-0.019 χ^2/NDF: 94.8/55

asym_sam4_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 80.146+/-0.017 χ^2/NDF: 8899182.0/27

Left Out: 120.999+/-0.021 χ^2/NDF:4095266.9/24

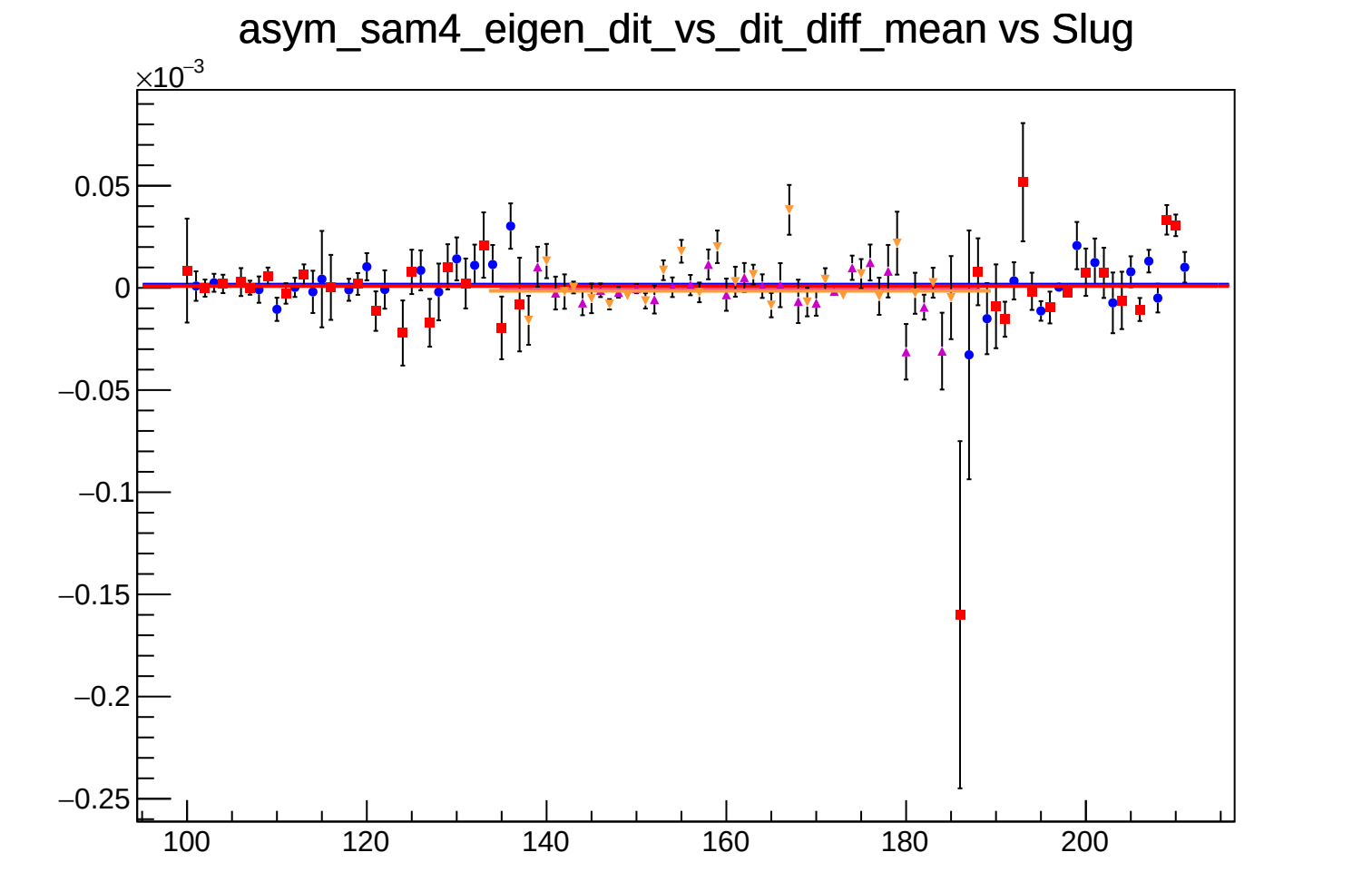
Right Out: 84.158+/-0.017 χ^2/NDF: 8742848.9/32

Left In: 119.679+/-0.021 χ^2/NDF:2838257.9/22

+ sign 96.056+/-0.013 χ^2/NDF: 15273672.8/52

All: 96.831+/-0.009 χ^2/NDF: 28578618.3/108

- sign 97.600+/-0.013 χ^2/NDF: 13298071.7/55



Right In: 0.000+/-0.000 χ^2/NDF: 37.5/27

Left Out: -0.000+/-0.000 χ^2/NDF:60.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 86.9/32

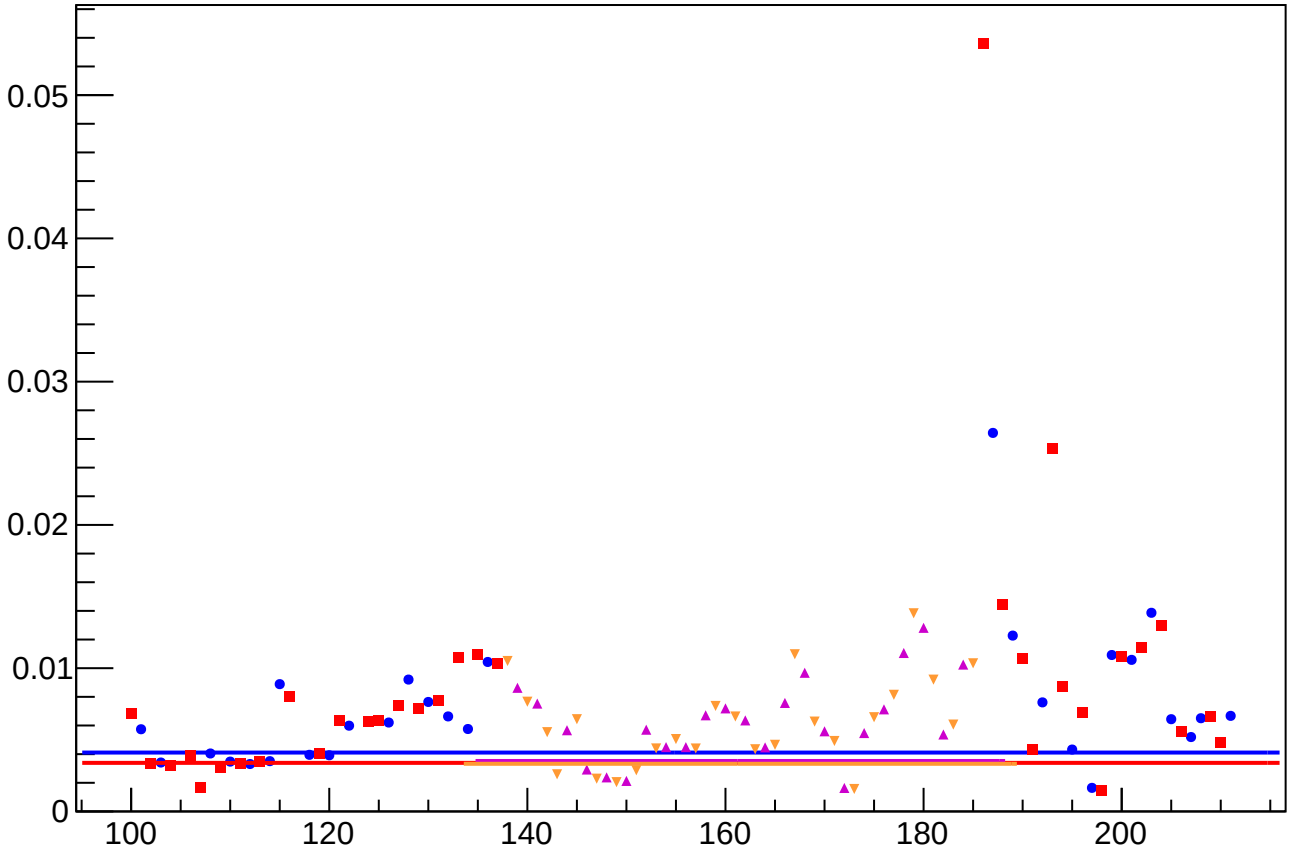
Left In: -0.000+/-0.000 χ^2/NDF:24.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 102.0/52

All: -0.000+/-0.000 χ^2/NDF: 215.2/108

- sign -0.000+/-0.000 χ^2/NDF: 113.2/55

asym_sam4_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF: 8300069.3/27

Left Out: 0.003+/-0.000 χ^2/NDF:10486084.0/24

Right Out: 0.003+/-0.000 χ^2/NDF: 13249973.2/32

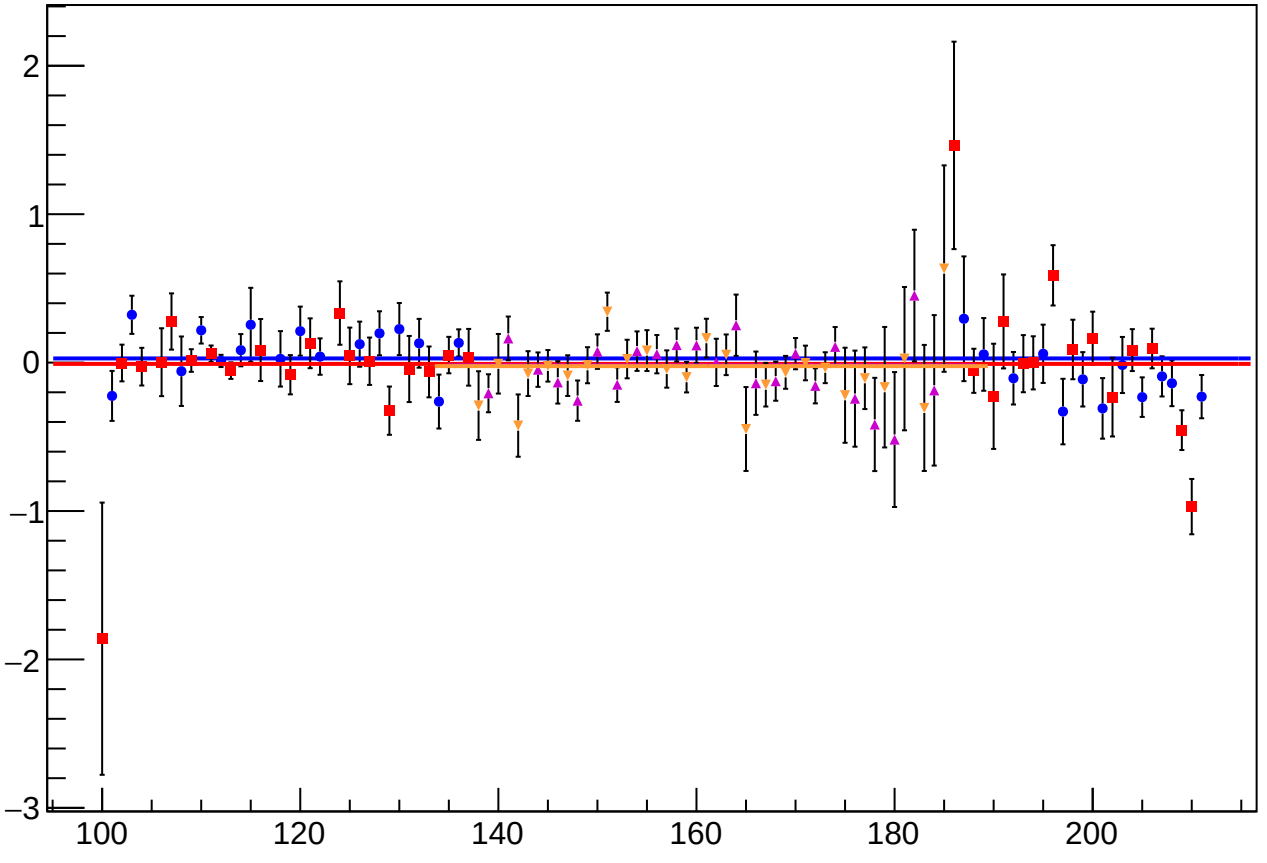
Left In: 0.004+/-0.000 χ^2/NDF:9426441.5/22

+ sign 0.004+/-0.000 χ^2/NDF: 19326105.0/52

All: 0.004+/-0.000 χ^2/NDF: 42062147.4/108

- sign 0.003+/-0.000 χ^2/NDF: 22693512.5/55

asym_sam4_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.028+/-0.024 χ^2/NDF: 37.8/27

Left Out: -0.024+/-0.030 χ^2/NDF:22.2/24

Right Out: -0.009+/-0.024 χ^2/NDF: 71.7/32

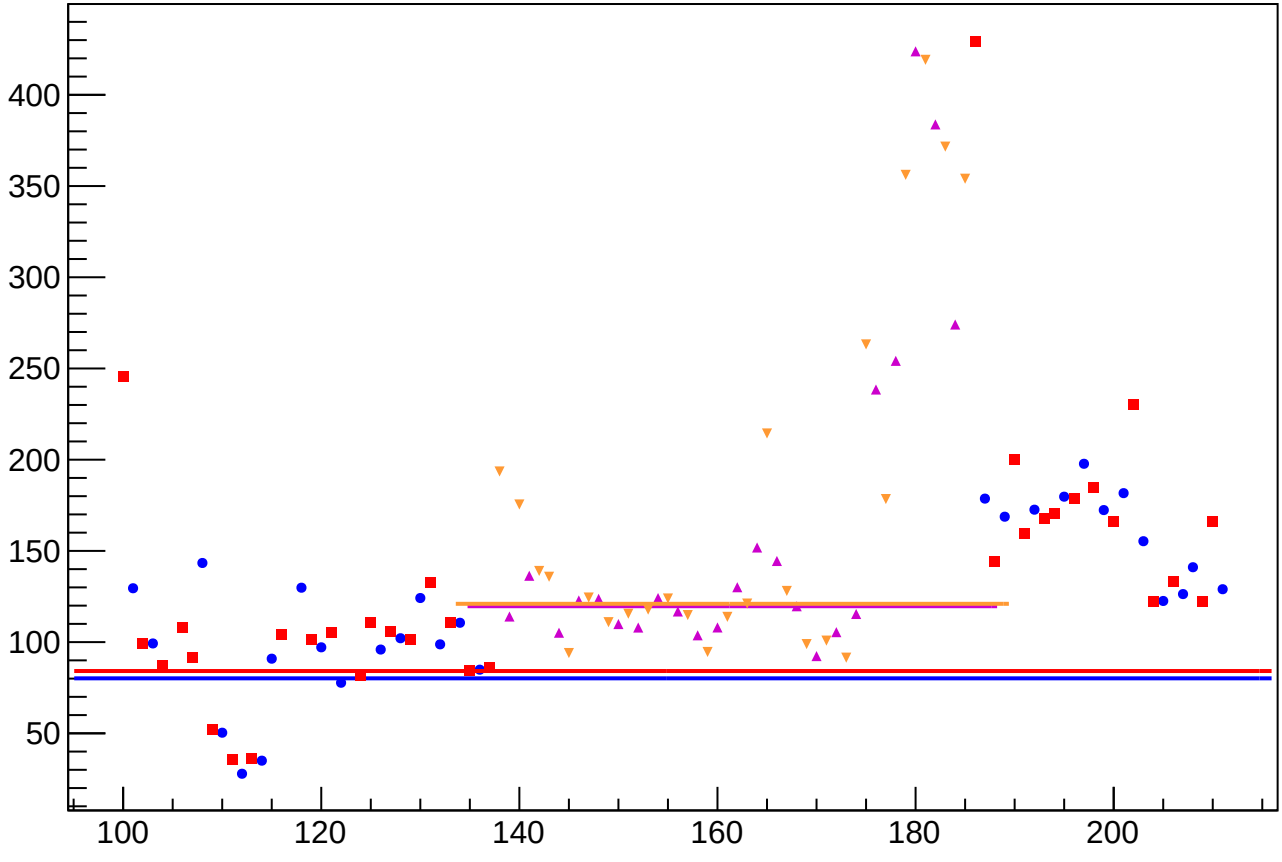
Left In: -0.019+/-0.030 χ^2/NDF:23.0/22

+ sign 0.008+/-0.019 χ^2/NDF: 61.8/52

All: -0.002+/-0.013 χ^2/NDF: 157.2/108

- sign -0.013+/-0.019 χ^2/NDF: 94.8/55

asym_sam4_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 80.143+/-0.017 χ^2/NDF: 8899684.1/27

Left Out: 121.000+/-0.021 χ^2/NDF:4095210.5/24

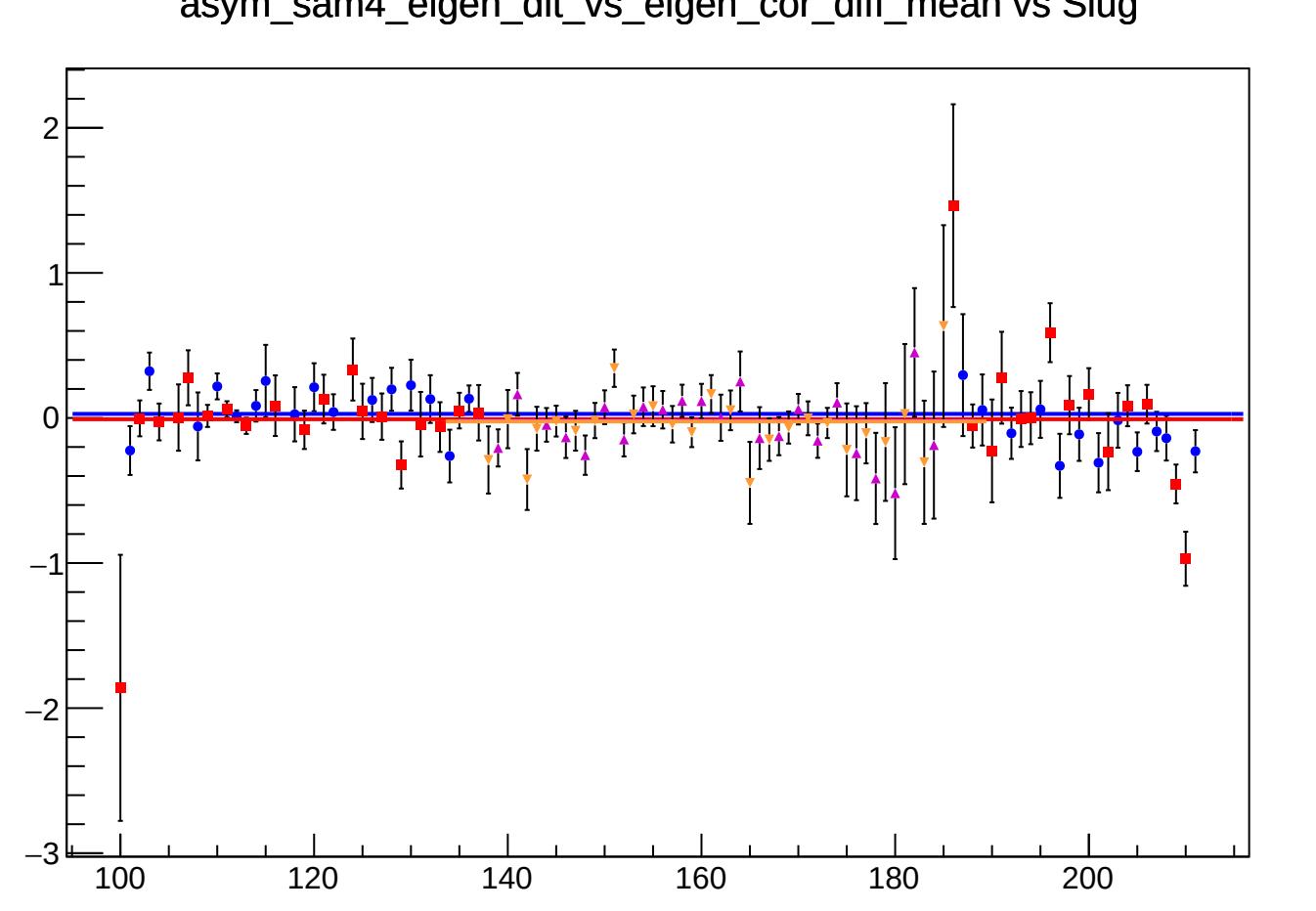
Right Out: 84.156+/-0.017 χ^2/NDF: 8743372.5/32

Left In: 119.680+/-0.021 χ^2/NDF:2838196.2/22

+ sign 96.054+/-0.013 χ^2/NDF: 15274490.9/52

All: 96.829+/-0.009 χ^2/NDF: 28580177.3/108

- sign 97.599+/-0.013 χ^2/NDF: 13298809.7/55



Right In: 0.028+/-0.024 χ^2/NDF: 37.8/27

Left Out: -0.024+/-0.030 χ^2/NDF:22.2/24

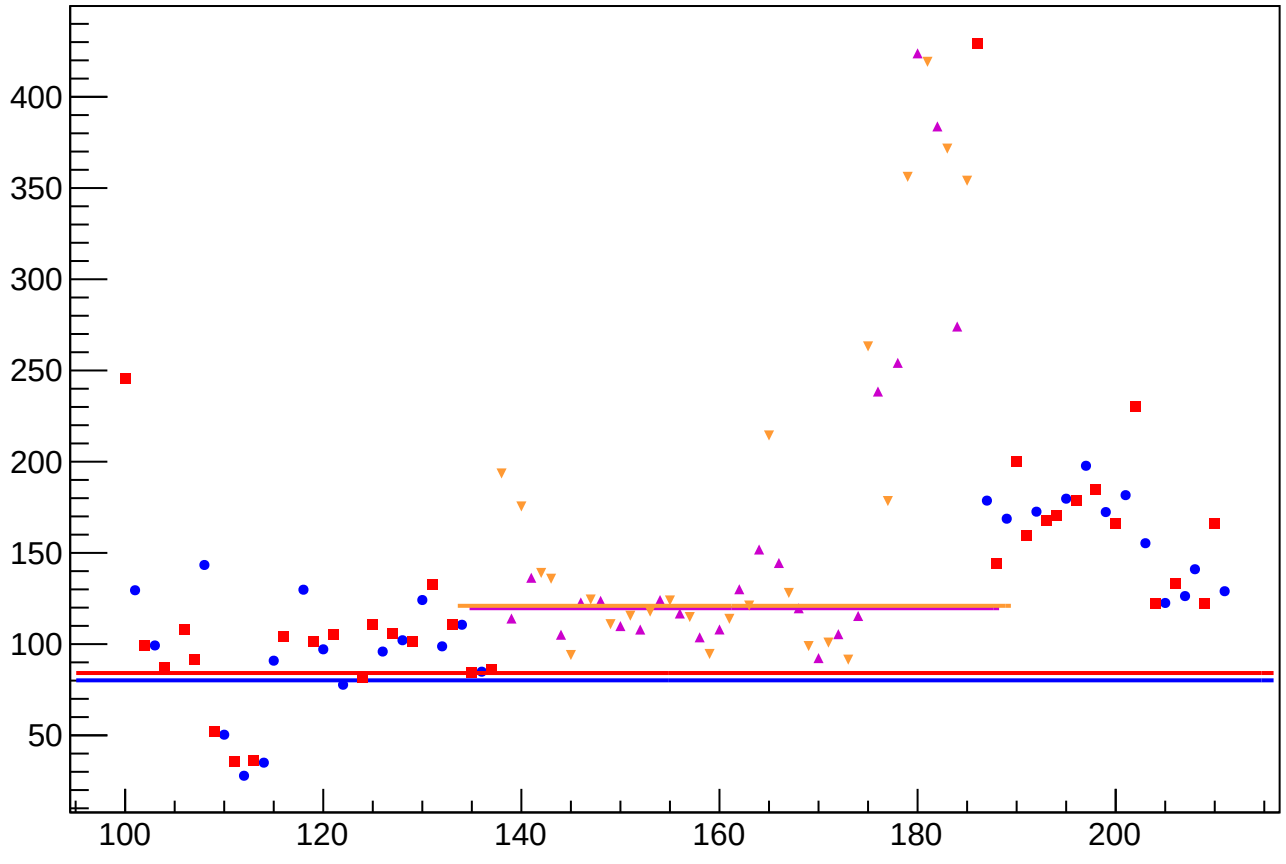
Right Out: -0.009+/-0.024 χ^2/NDF: 71.7/32

Left In: -0.019+/-0.030 χ^2/NDF:23.0/22

+ sign 0.008+/-0.019 χ^2/NDF: 61.8/52

All: -0.002+/-0.013 χ^2/NDF: 157.2/108

- sign -0.013+/-0.019 χ^2/NDF: 94.8/55



Right In: 80.143+/-0.017 χ^2/NDF: 8899684.1/27

Left Out: 121.000+/-0.021 χ^2/NDF:4095210.5/24

Right Out: 84.156+/-0.017 χ^2/NDF: 8743372.5/32

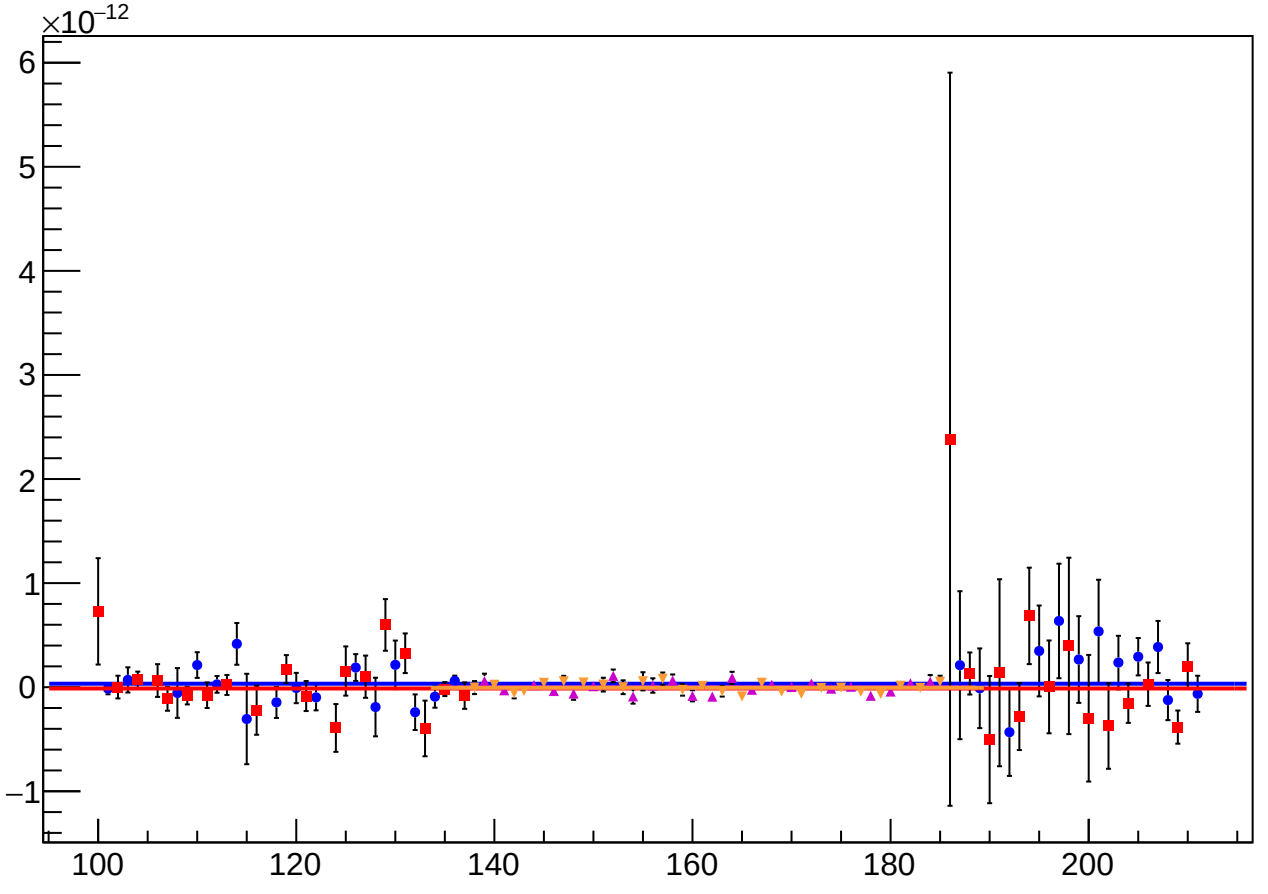
Left In: 119.680+/-0.021 χ^2/NDF:2838196.2/22

+ sign 96.054+/-0.013 χ^2/NDF: 15274490.9/52

All: 96.829+/-0.009 χ^2/NDF: 28580177.3/108

- sign 97.599+/-0.013 χ^2/NDF: 13298809.7/55

asym_sam4_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 27.0/27

Left Out: -0.000+/-0.000 χ^2/NDF:22.2/24

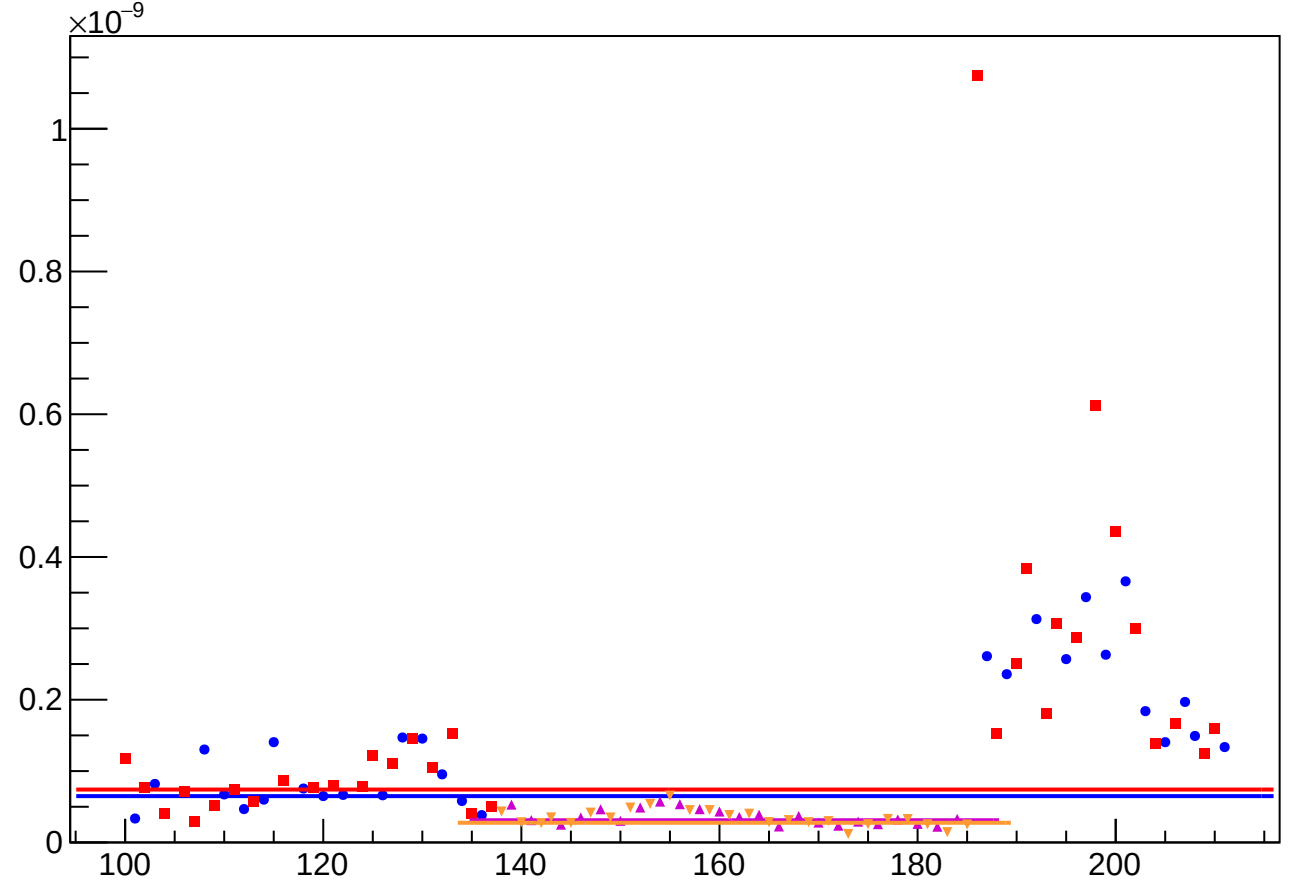
Right Out: -0.000+/-0.000 χ^2/NDF: 36.2/32

Left In: -0.000+/-0.000 χ^2/NDF:27.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 51.4/52

All: -0.000+/-0.000 χ^2/NDF: 115.3/108

- sign -0.000+/-0.000 χ^2/NDF: 63.9/55



Right In: 0.000+/-0.000 χ^2/NDF: 7463831.5/27

Left Out: 0.000+/-0.000 χ^2/NDF:3691738.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7314987.7/32

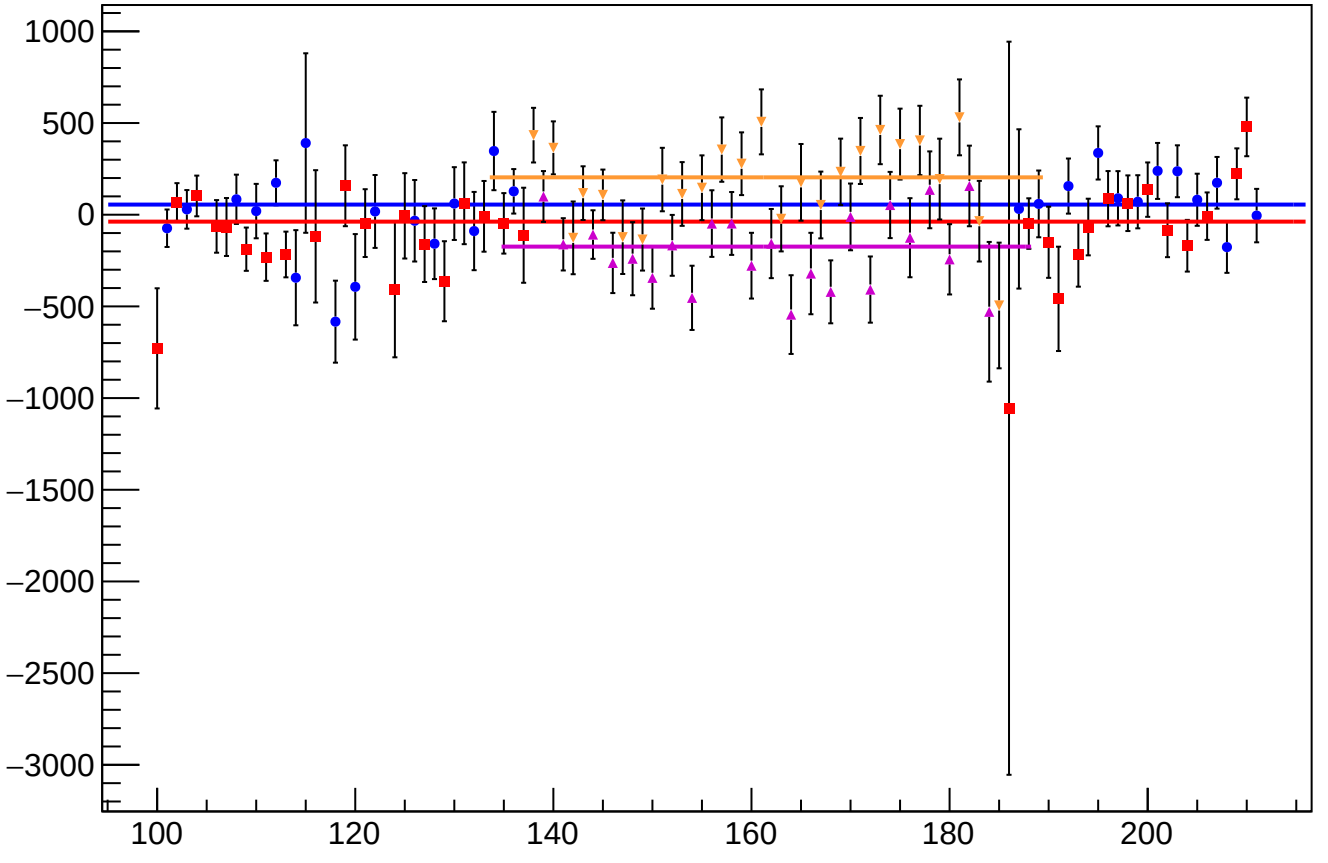
Left In: 0.000+/-0.000 χ^2/NDF:1937733.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 15226525.8/52

All: 0.000+/-0.000 χ^2/NDF: 29325853.4/108

- sign 0.000+/-0.000 χ^2/NDF: 13826625.1/55

reg_asym_sam5_mean vs Slug



Right In: 55.267+/-29.811 χ^2/NDF: 31.2/27

Left Out: 203.760+/-35.878 χ^2/NDF:32.9/24

Right Out: -37.726+/-28.374 χ^2/NDF: 39.2/32

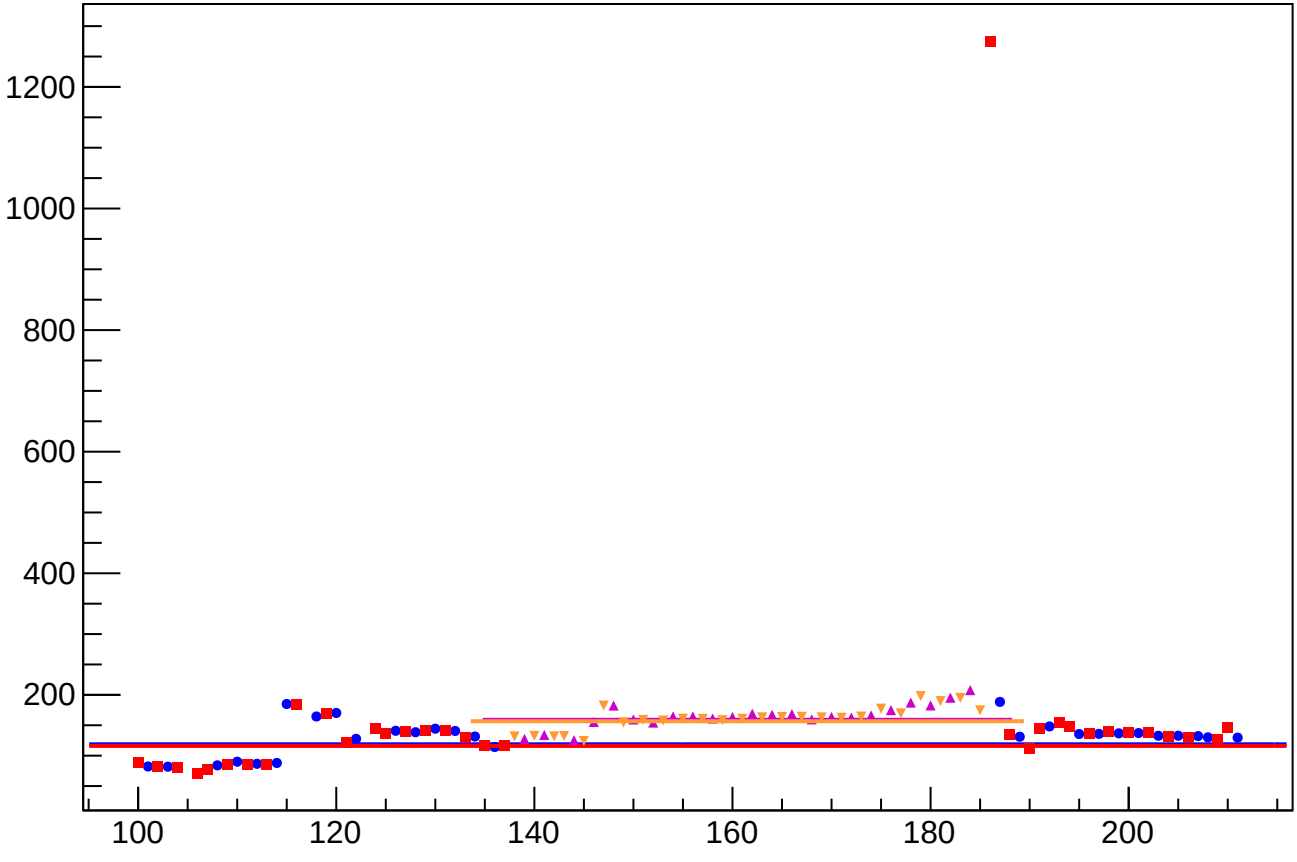
Left In: -173.974+/-37.405 χ^2/NDF:24.5/22

+ sign 115.917+/-22.929 χ^2/NDF: 74.3/52

All: 12.771+/-16.098 χ^2/NDF: 186.3/108

- sign -87.490+/-22.606 χ^2/NDF: 72.1/55

reg_asym_sam5_rms vs Slug



Right In: 118.655+/-0.021 χ^2/NDF: 1499773.2/27

Left Out: 156.638+/-0.025 χ^2/NDF:582414.4/24

Right Out: 115.991+/-0.020 χ^2/NDF: 2641345.8/32

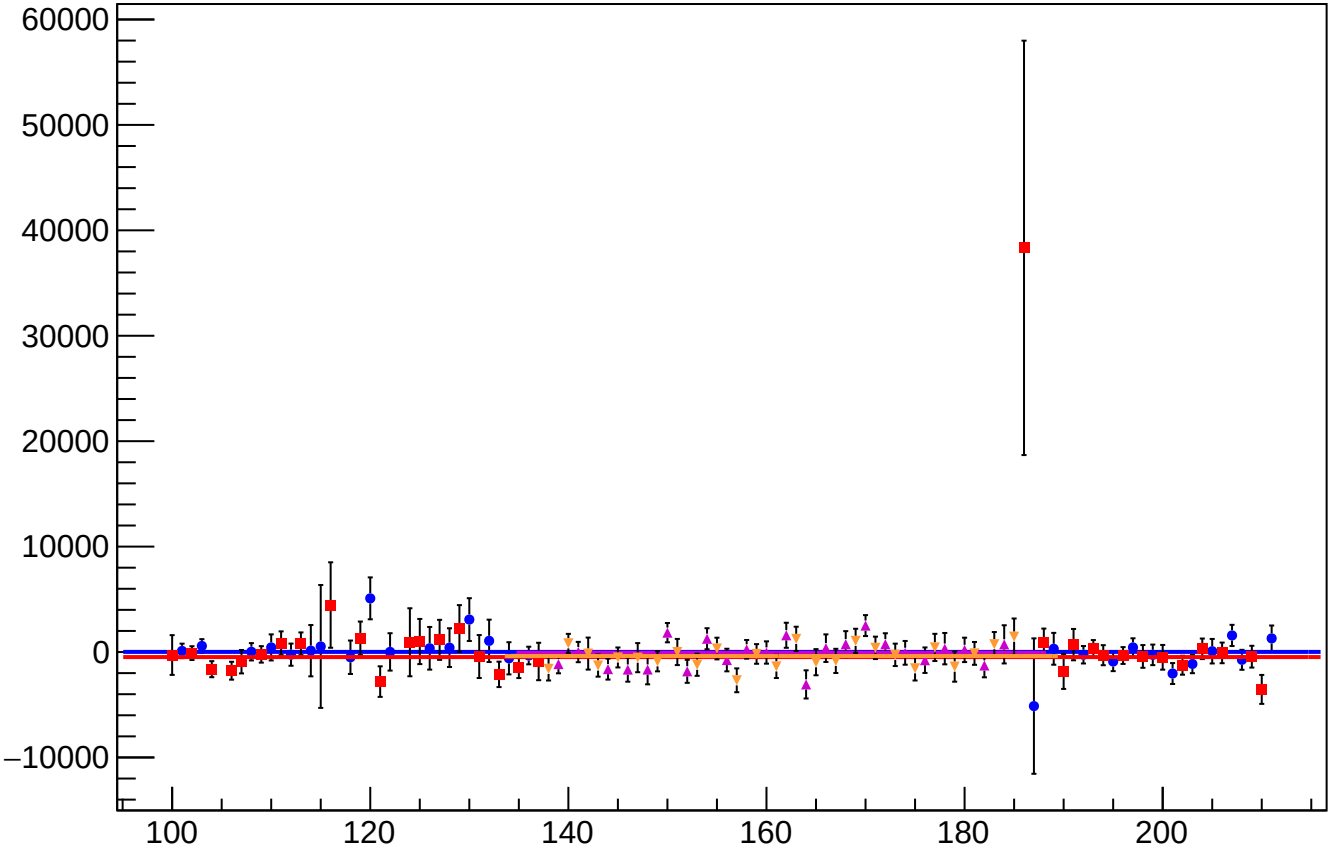
Left In: 158.952+/-0.026 χ^2/NDF:511321.2/22

+ sign 134.168+/-0.016 χ^2/NDF: 3408270.9/52

All: 132.907+/-0.011 χ^2/NDF: 8247476.7/108

- sign 131.682+/-0.016 χ^2/NDF: 4827283.4/55

asym_sam5_reg_correction_mean vs Slug



Right In: 12.782+/-208.712 χ^2/NDF: 22.8/27

Left Out: -380.690+/-224.554 χ^2/NDF:18.7/24

Right Out: -478.355+/-196.908 χ^2/NDF: 33.0/32

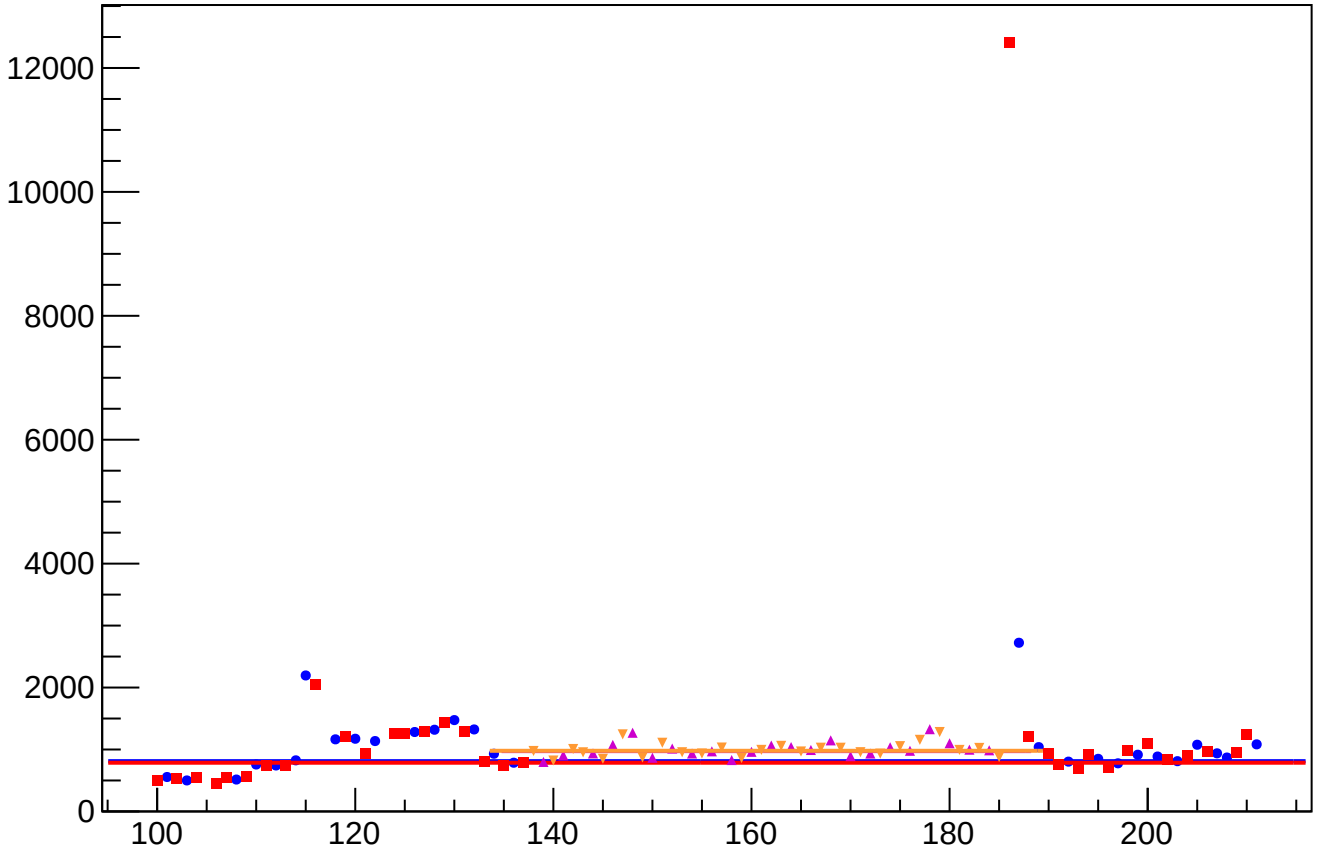
Left In: -74.440+/-229.788 χ^2/NDF:33.1/22

+ sign -169.587+/-152.876 χ^2/NDF: 43.2/52

All: -239.991+/-106.894 χ^2/NDF: 111.4/108

- sign -307.338+/-149.521 χ^2/NDF: 67.8/55

asym_sam5_reg_correction_rms vs Slug



Right In: 812.111+/-0.148 χ^2/NDF: 2482250.0/27

Left Out: 979.111+/-0.159 χ^2/NDF:429795.3/24

Right Out: 786.562+/-0.139 χ^2/NDF: 3686098.8/32

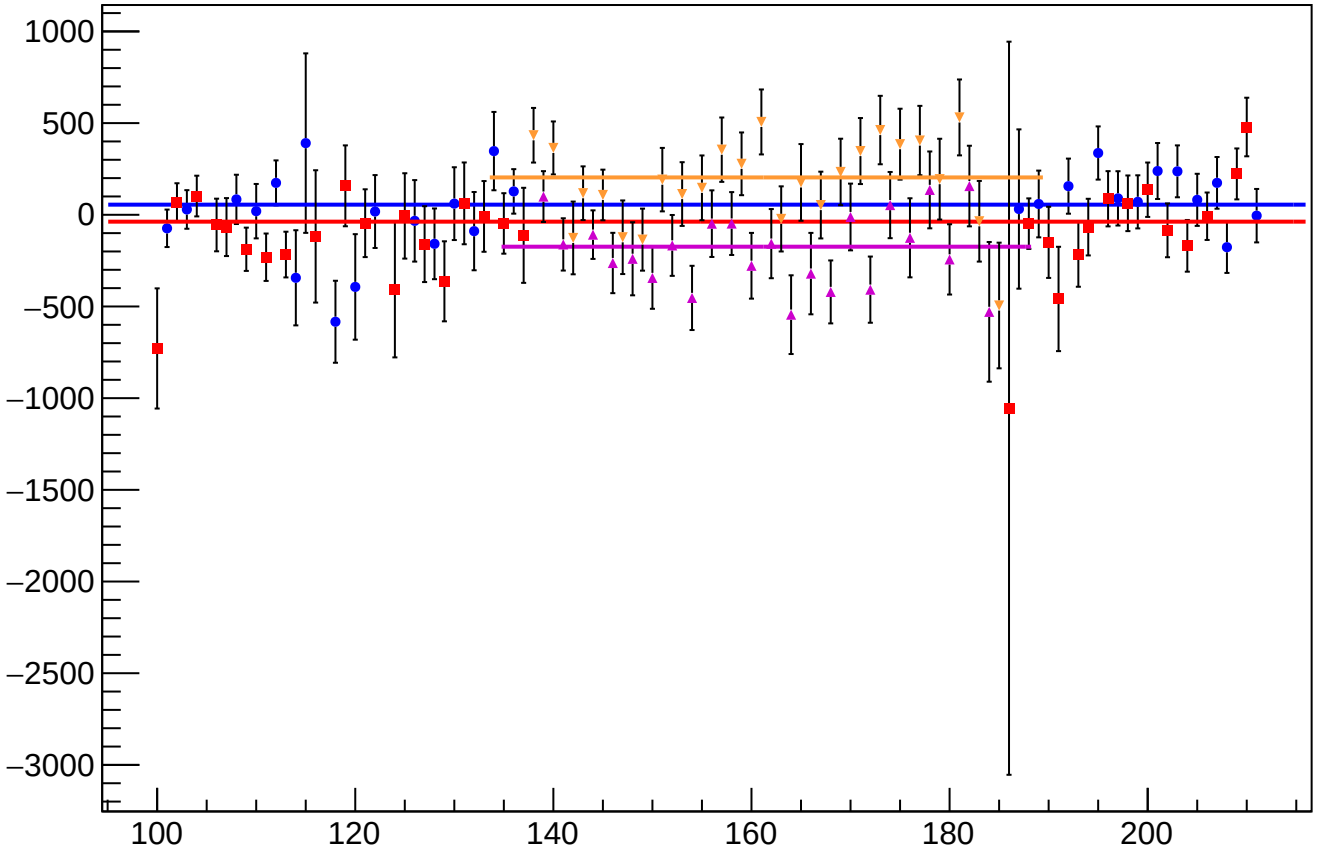
Left In: 973.818+/-0.162 χ^2/NDF:498612.7/22

+ sign 889.513+/-0.108 χ^2/NDF: 3505524.0/52

All: 877.417+/-0.076 χ^2/NDF: 8480547.0/108

- sign 865.846+/-0.106 χ^2/NDF: 4950522.8/55

cor_asym_sam5_mean vs Slug



Right In: 55.265+/-29.811 χ^2/NDF: 31.3/27

Left Out: 203.766+/-35.878 χ^2/NDF:32.9/24

Right Out: -37.428+/-28.375 χ^2/NDF: 39.2/32

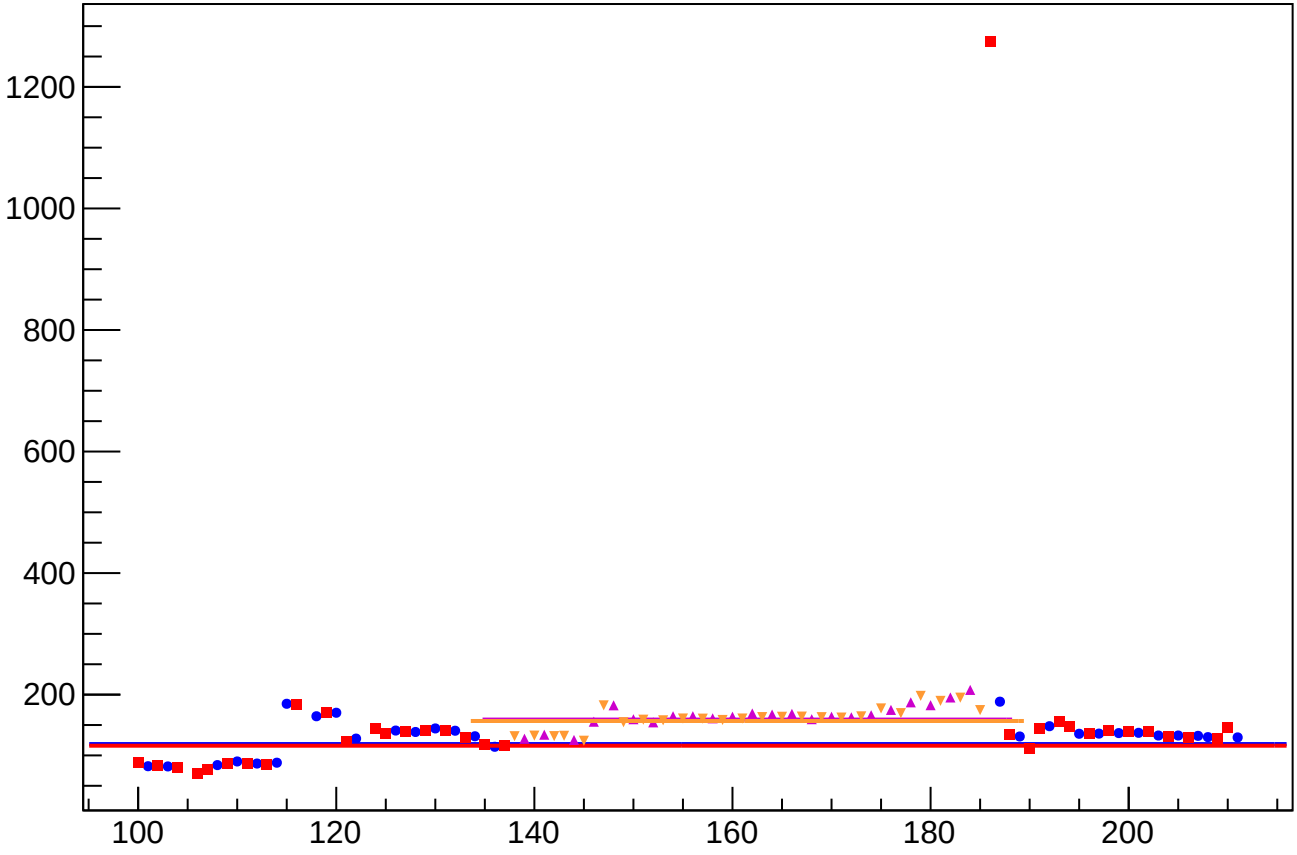
Left In: -173.978+/-37.405 χ^2/NDF:24.5/22

+ sign 115.918+/-22.929 χ^2/NDF: 74.3/52

All: 12.868+/-16.098 χ^2/NDF: 186.2/108

- sign -87.305+/-22.607 χ^2/NDF: 72.2/55

cor_asym_sam5_rms vs Slug



Right In: 118.655+/-0.021 χ^2/NDF: 1499772.0/27

Left Out: 156.638+/-0.025 χ^2/NDF:582414.5/24

Right Out: 115.979+/-0.020 χ^2/NDF: 2644575.5/32

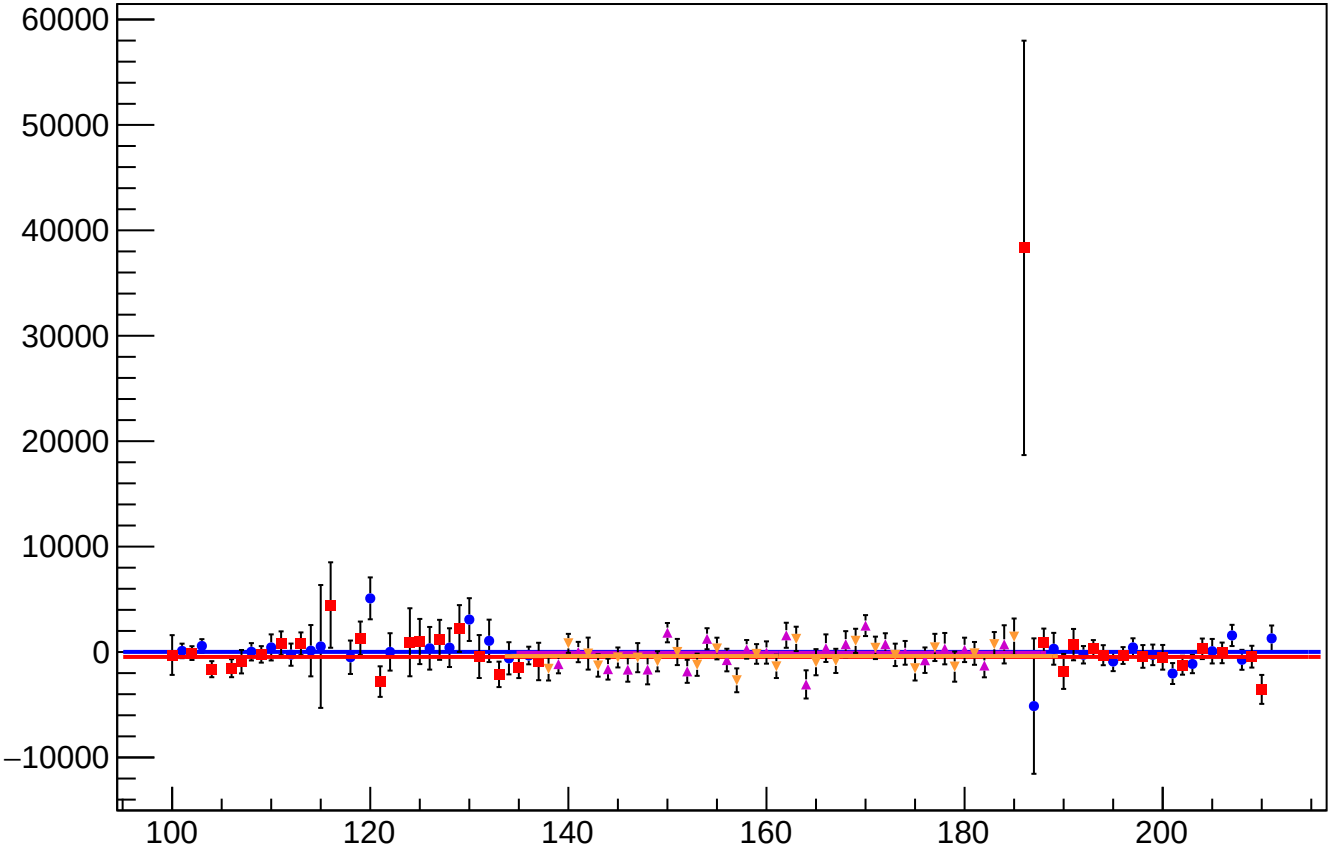
Left In: 158.952+/-0.026 χ^2/NDF:511321.3/22

+ sign 134.168+/-0.016 χ^2/NDF: 3408268.9/52

All: 132.904+/-0.011 χ^2/NDF: 8251663.6/108

- sign 131.675+/-0.016 χ^2/NDF: 4831406.5/55

asym_sam5_cor_correction_mean vs Slug



Right In: 12.785+/-208.712 χ^2/NDF: 22.8/27

Left Out: -380.678+/-224.554 χ^2/NDF:18.7/24

Right Out: -464.553+/-196.977 χ^2/NDF: 32.2/32

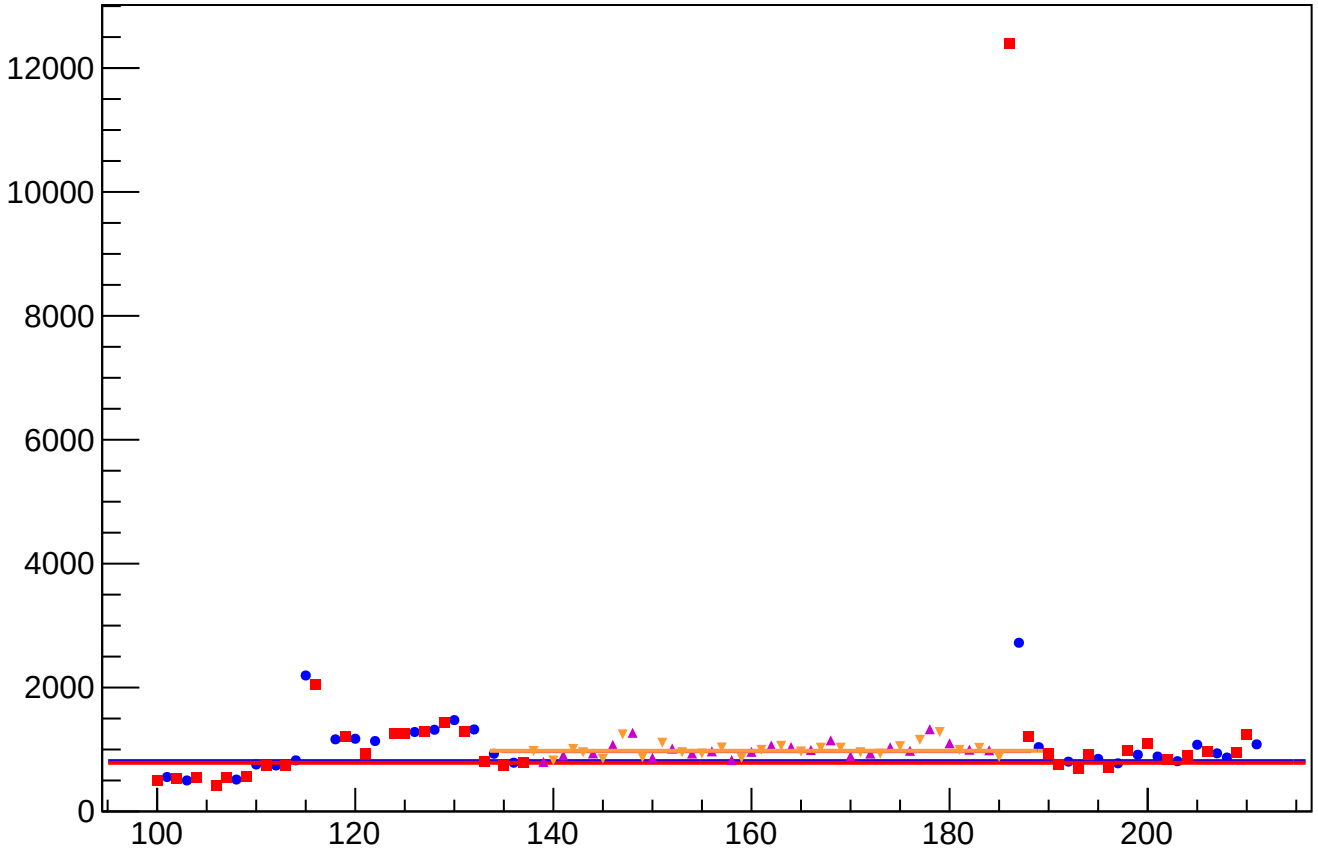
Left In: -74.438+/-229.788 χ^2/NDF:33.1/22

+ sign -169.579+/-152.876 χ^2/NDF: 43.2/52

All: -235.872+/-106.905 χ^2/NDF: 110.4/108

- sign -299.312+/-149.551 χ^2/NDF: 66.9/55

asym_sam5_cor_correction_rms vs Slug



Right In: 812.111+/-0.148 χ^2/NDF: 2482254.7/27

Left Out: 979.112+/-0.159 χ^2/NDF:429793.5/24

Right Out: 785.500+/-0.139 χ^2/NDF: 3728753.1/32

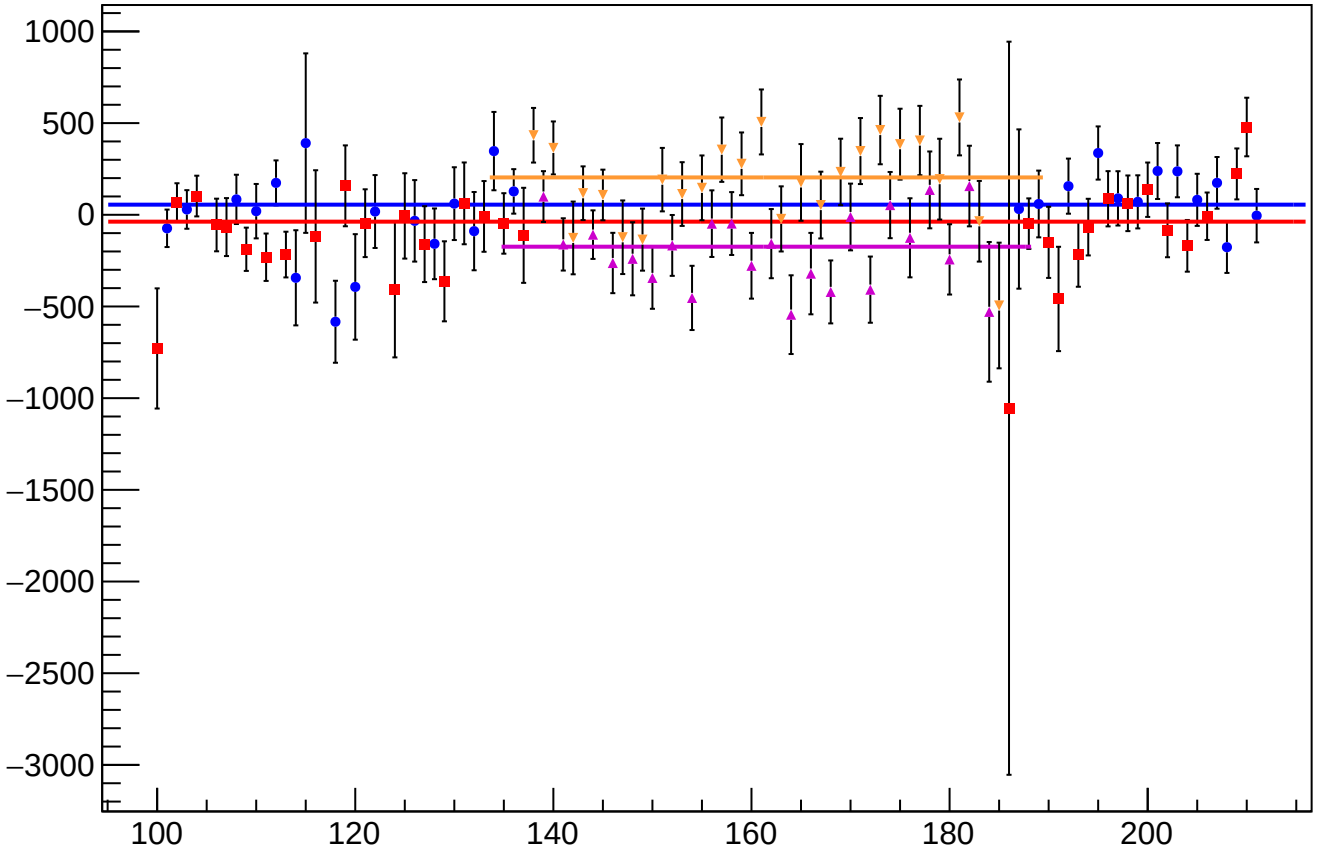
Left In: 973.818+/-0.162 χ^2/NDF:498615.1/22

+ sign 889.513+/-0.108 χ^2/NDF: 3505530.2/52

All: 877.123+/-0.076 χ^2/NDF: 8532902.4/108

- sign 865.265+/-0.106 χ^2/NDF: 5001661.3/55

eigen_cor_asym_sam5_mean vs Slug



Right In: 55.265+/-29.811 χ^2/NDF: 31.3/27

Left Out: 203.766+/-35.878 χ^2/NDF:32.9/24

Right Out: -37.428+/-28.375 χ^2/NDF: 39.2/32

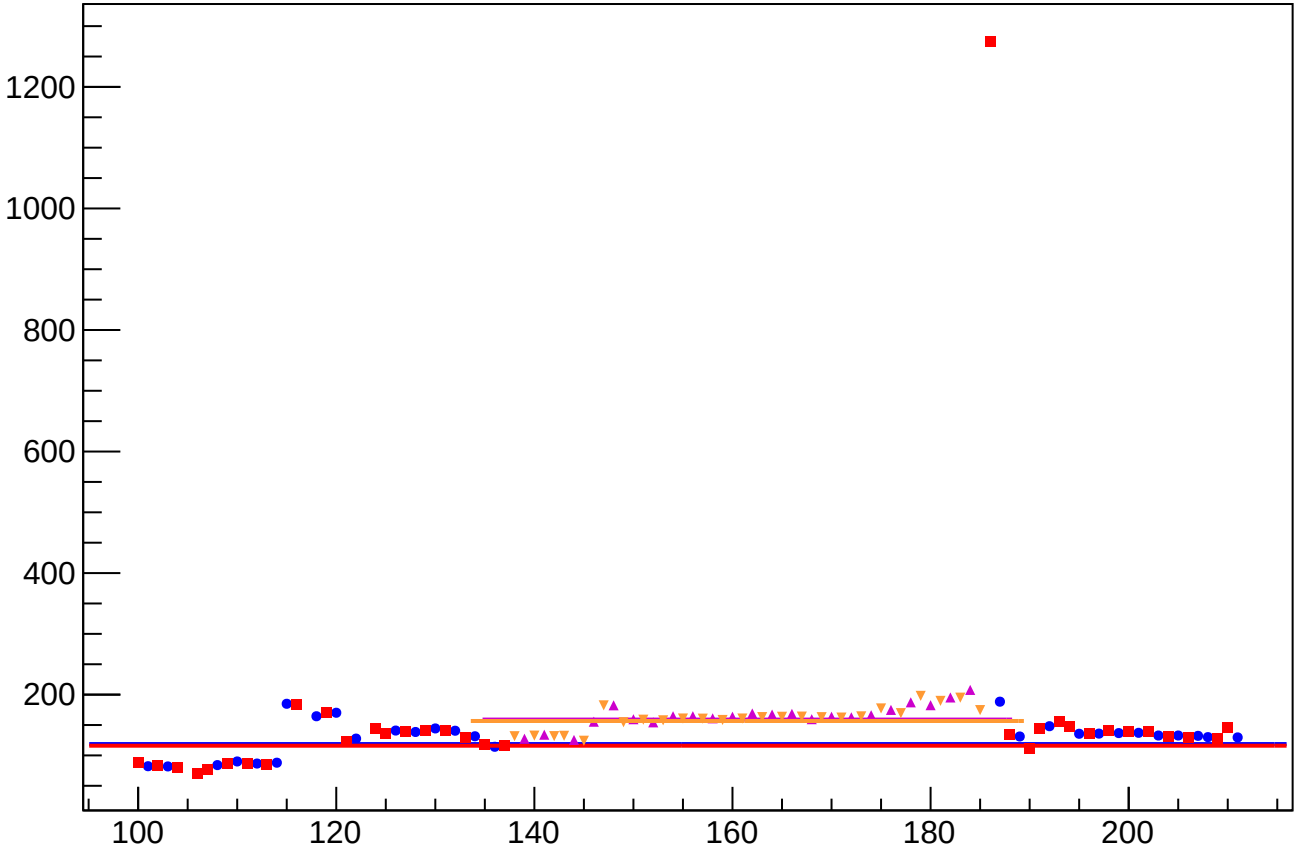
Left In: -173.978+/-37.405 χ^2/NDF:24.5/22

+ sign 115.918+/-22.929 χ^2/NDF: 74.3/52

All: 12.868+/-16.098 χ^2/NDF: 186.2/108

- sign -87.305+/-22.607 χ^2/NDF: 72.2/55

eigen_cor_asym_sam5_rms vs Slug



Right In: 118.655+/-0.021 χ^2/NDF: 1499772.0/27

Left Out: 156.638+/-0.025 χ^2/NDF:582414.5/24

Right Out: 115.979+/-0.020 χ^2/NDF: 2644575.5/32

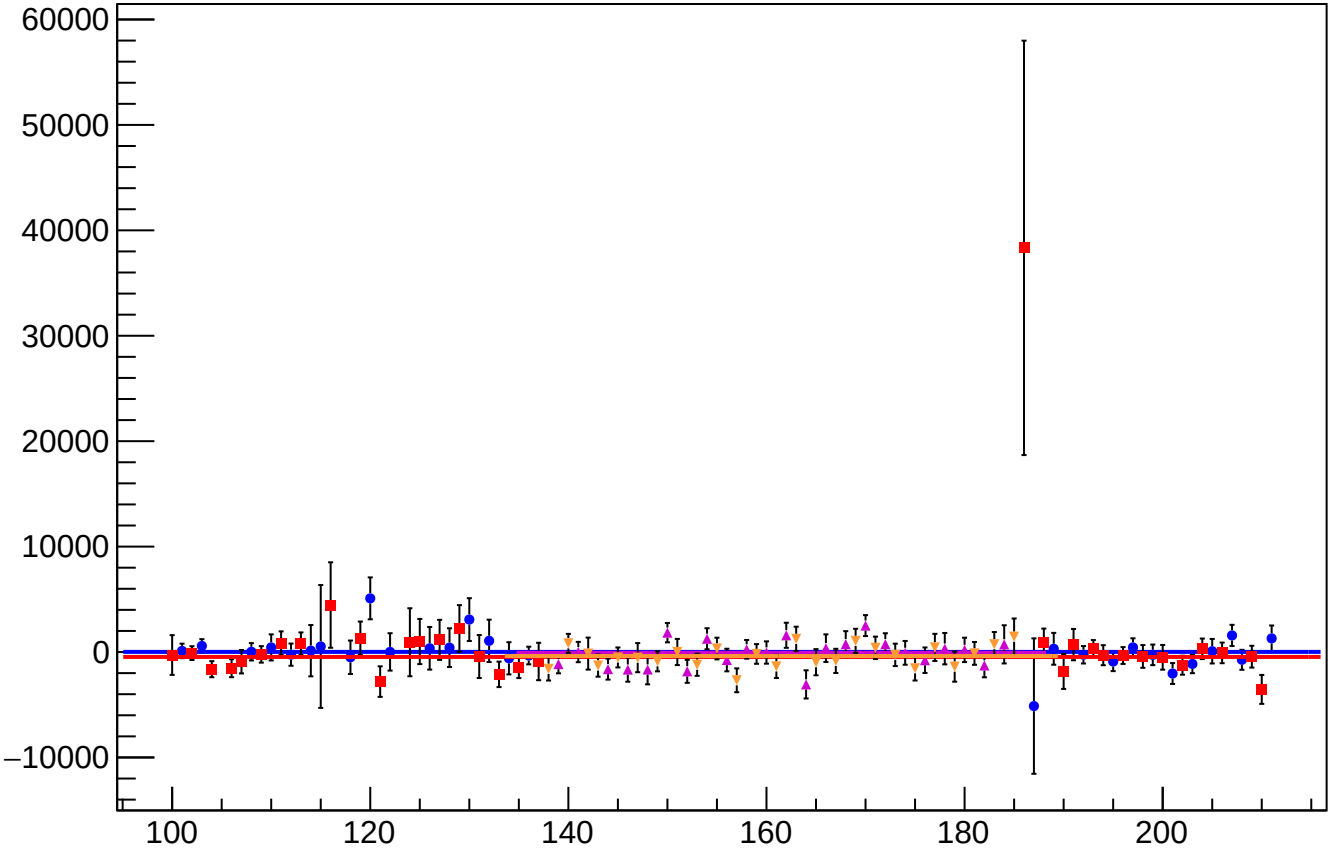
Left In: 158.952+/-0.026 χ^2/NDF:511321.3/22

+ sign 134.168+/-0.016 χ^2/NDF: 3408268.9/52

All: 132.904+/-0.011 χ^2/NDF: 8251663.6/108

- sign 131.675+/-0.016 χ^2/NDF: 4831406.5/55

asym_sam5_eigen_cor_correction_mean vs Slug



Right In: 12.785+/-208.712 χ^2/NDF: 22.8/27

Left Out: -380.678+/-224.554 χ^2/NDF:18.7/24

Right Out: -464.553+/-196.977 χ^2/NDF: 32.2/32

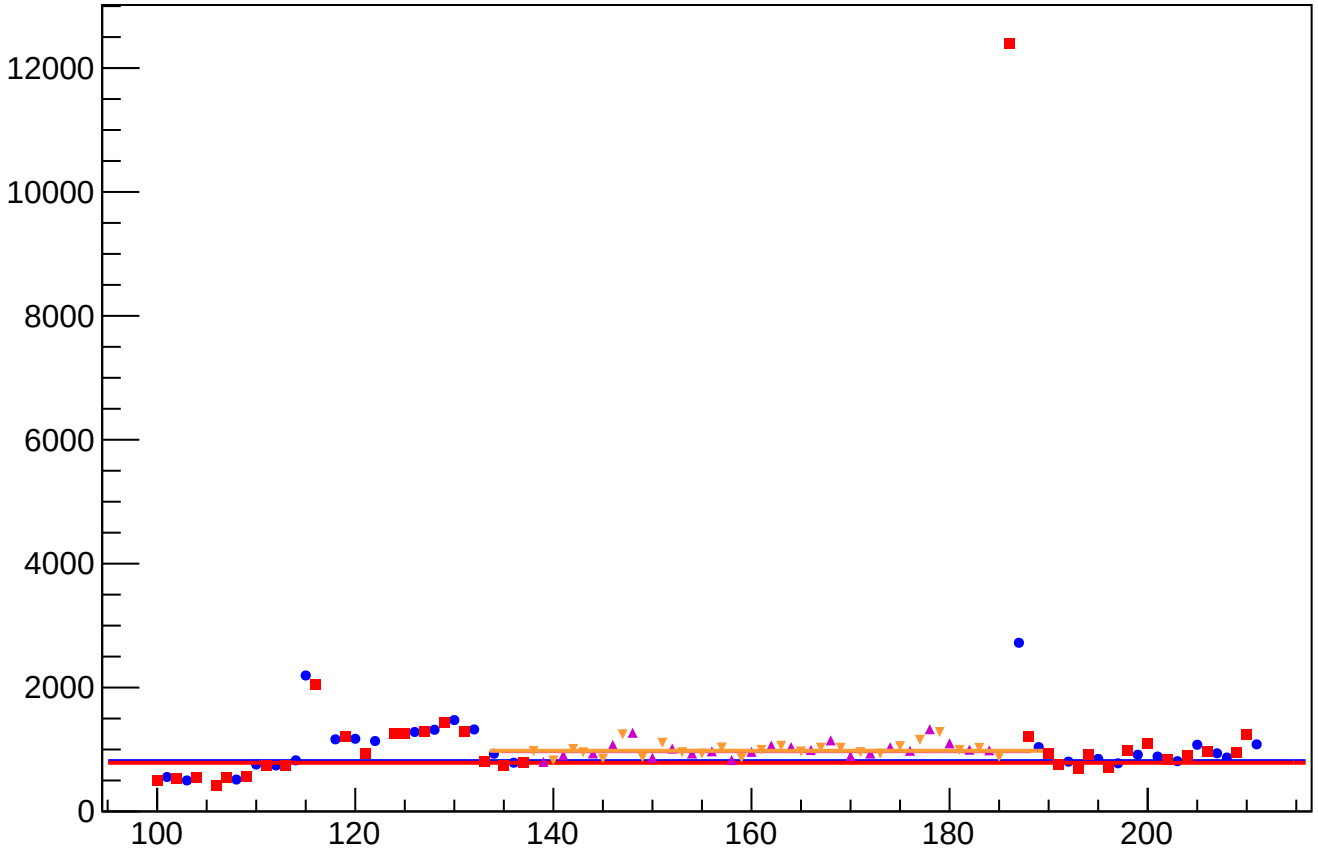
Left In: -74.438+/-229.788 χ^2/NDF:33.1/22

+ sign -169.579+/-152.876 χ^2/NDF: 43.2/52

All: -235.872+/-106.905 χ^2/NDF: 110.4/108

- sign -299.312+/-149.551 χ^2/NDF: 66.9/55

asym_sam5_eigen_cor_correction_rms vs Slug



Right In: 812.111+/-0.148 χ^2/NDF: 2482254.7/27

Left Out: 979.112+/-0.159 χ^2/NDF:429793.5/24

Right Out: 785.500+/-0.139 χ^2/NDF: 3728753.1/32

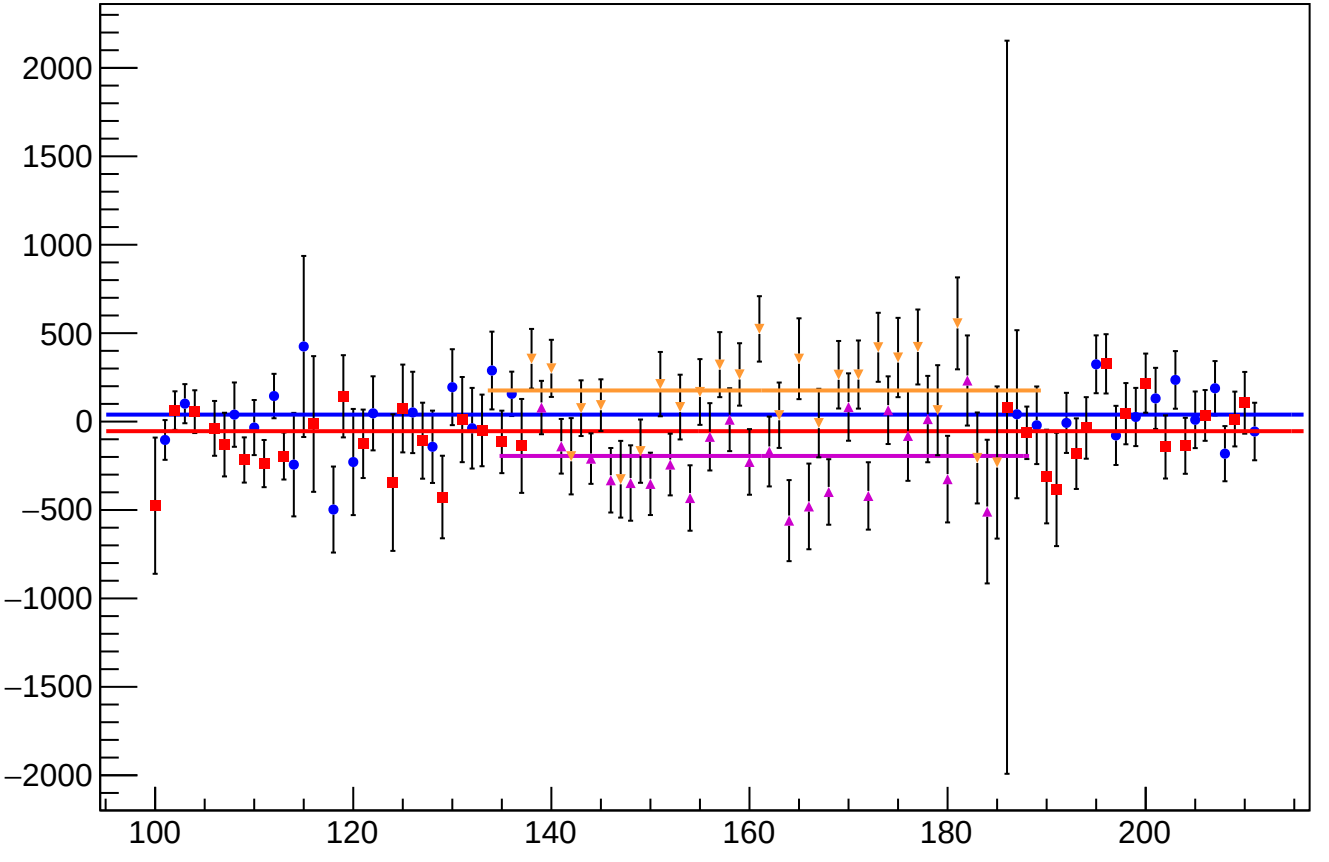
Left In: 973.818+/-0.162 χ^2/NDF:498615.1/22

+ sign 889.513+/-0.108 χ^2/NDF: 3505530.2/52

All: 877.123+/-0.076 χ^2/NDF: 8532902.4/108

- sign 865.265+/-0.106 χ^2/NDF: 5001661.3/55

dit_asym_sam5_mean vs Slug



Right In: 39.411+/-32.771 χ^2/NDF: 22.4/27

Left Out: 176.010+/-38.838 χ^2/NDF:30.8/24

Right Out: -54.265+/-31.079 χ^2/NDF: 25.1/32

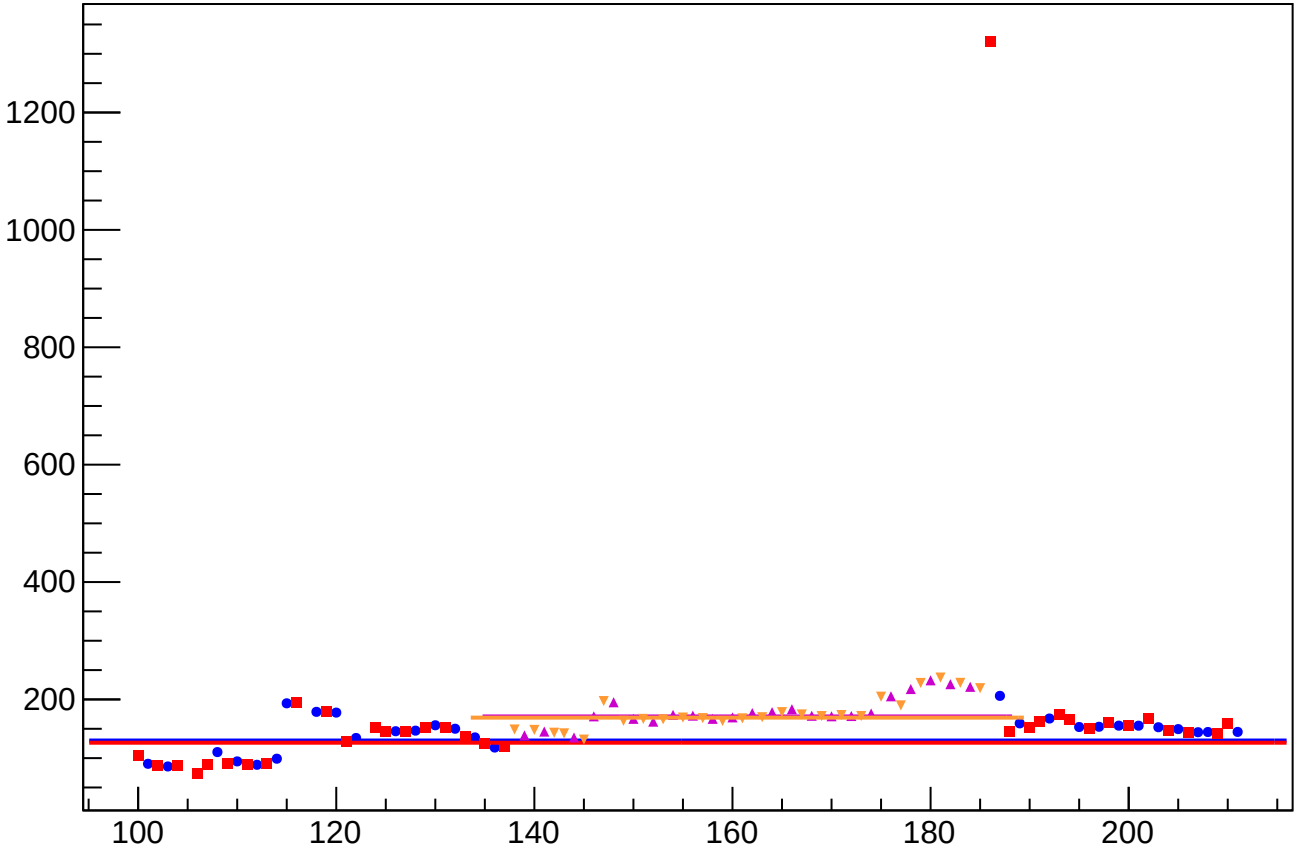
Left In: -194.324+/-40.384 χ^2/NDF:23.8/22

+ sign 96.222+/-25.046 χ^2/NDF: 60.3/52

All: -6.769+/-17.561 χ^2/NDF: 150.1/108

- sign -106.363+/-24.630 χ^2/NDF: 56.5/55

dit_asym_sam5_rms vs Slug



Right In: 129.990+/-0.023 χ^2/NDF: 1656089.3/27

Left Out: 169.009+/-0.027 χ^2/NDF:773937.9/24

Right Out: 126.272+/-0.022 χ^2/NDF: 2912835.1/32

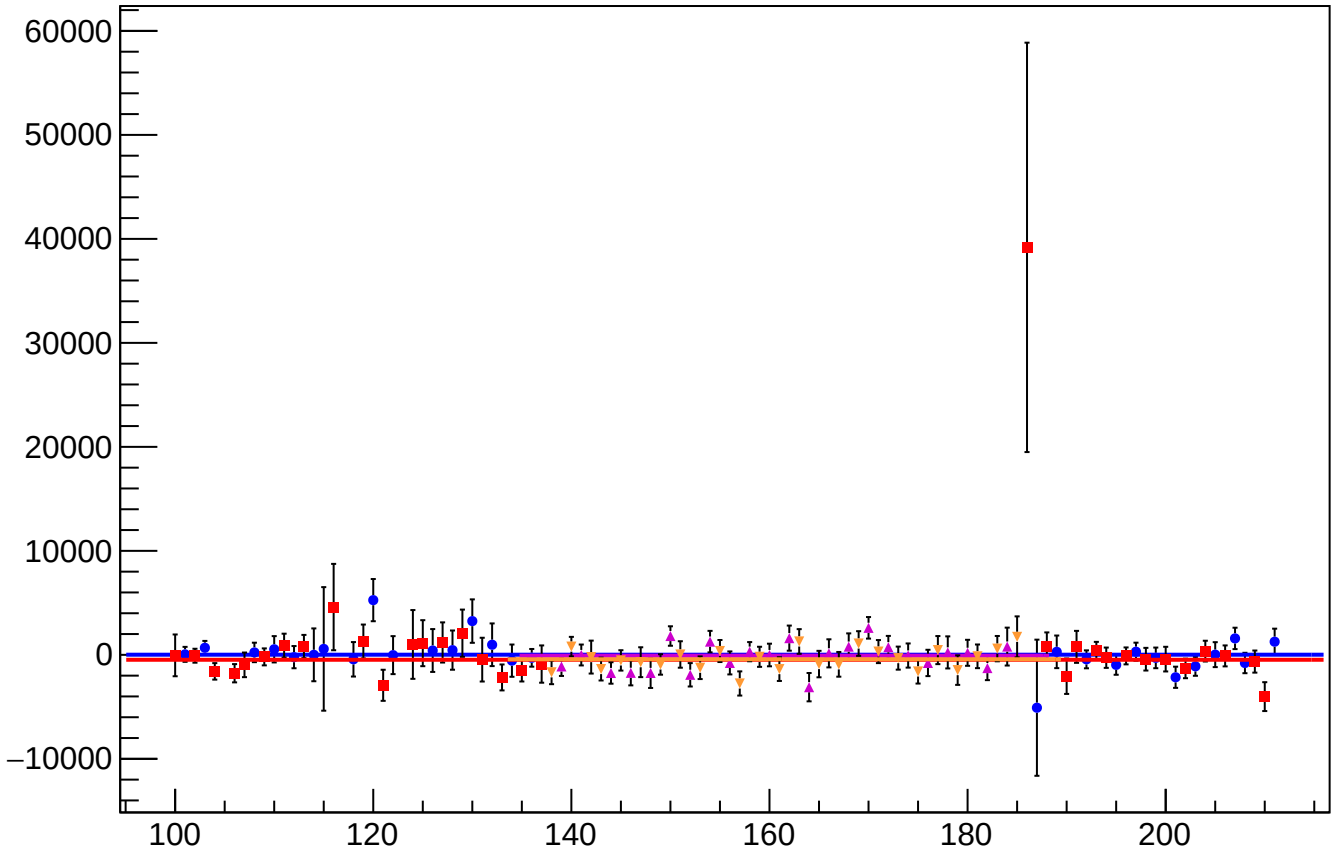
Left In: 171.021+/-0.029 χ^2/NDF:678106.1/22

+ sign 146.218+/-0.018 χ^2/NDF: 3609191.7/52

All: 144.540+/-0.012 χ^2/NDF: 8760054.5/108

- sign 142.918+/-0.017 χ^2/NDF: 5133209.4/55

asym_sam5_dit_correction_mean vs Slug



Right In: 13.163+/-216.006 χ^2/NDF: 23.2/27

Left Out: -425.819+/-232.561 χ^2/NDF:18.4/24

Right Out: -473.818+/-203.266 χ^2/NDF: 34.5/32

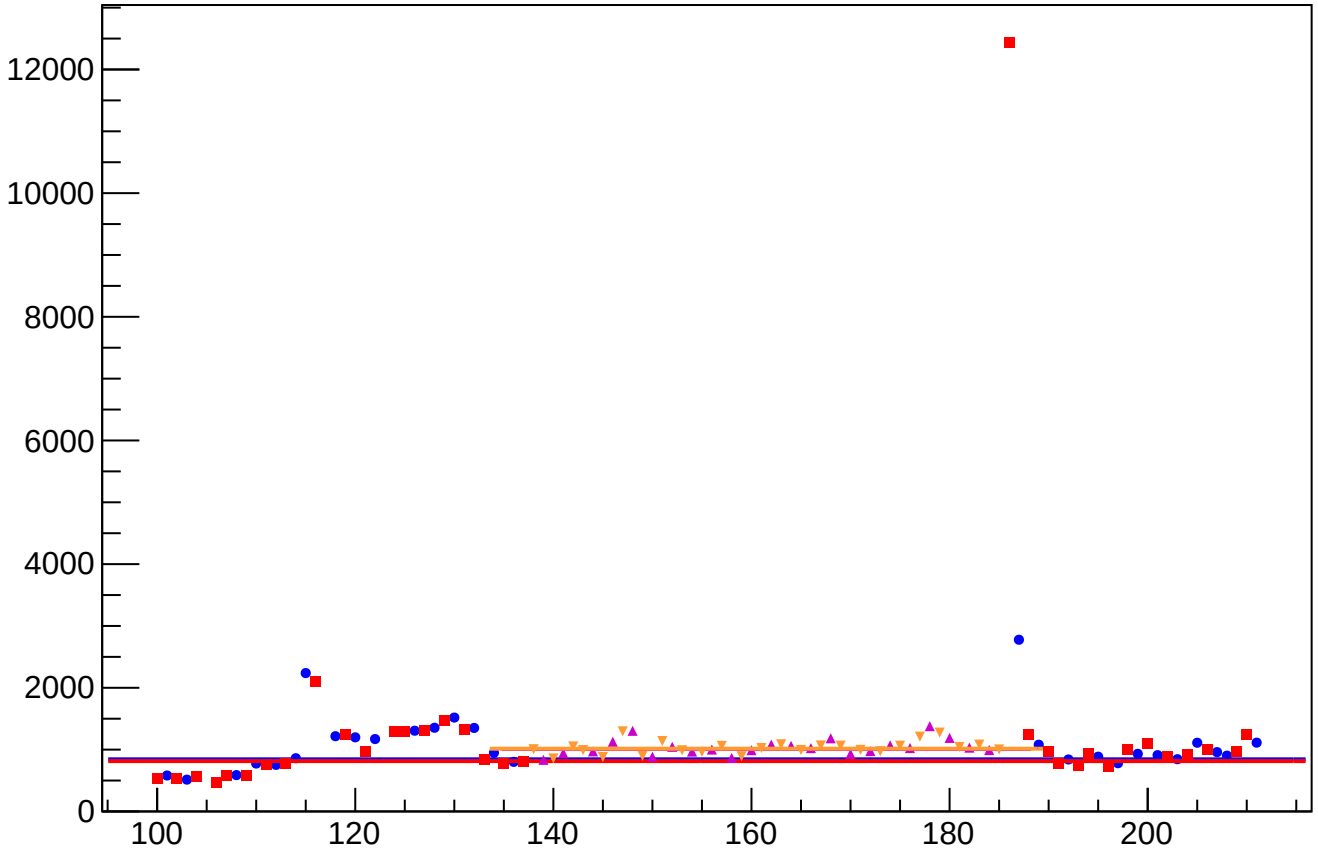
Left In: -86.486+/-238.155 χ^2/NDF:32.4/22

+ sign -190.149+/-158.269 χ^2/NDF: 43.5/52

All: -251.771+/-110.596 χ^2/NDF: 112.2/108

- sign -310.576+/-154.609 χ^2/NDF: 68.4/55

asym_sam5_dit_correction_rms vs Slug



Right In: 843.125+/-0.153 χ^2/NDF: 2341020.1/27

Left Out: 1015.046+/-0.164 χ^2/NDF:397966.2/24

Right Out: 814.518+/-0.144 χ^2/NDF: 3548361.2/32

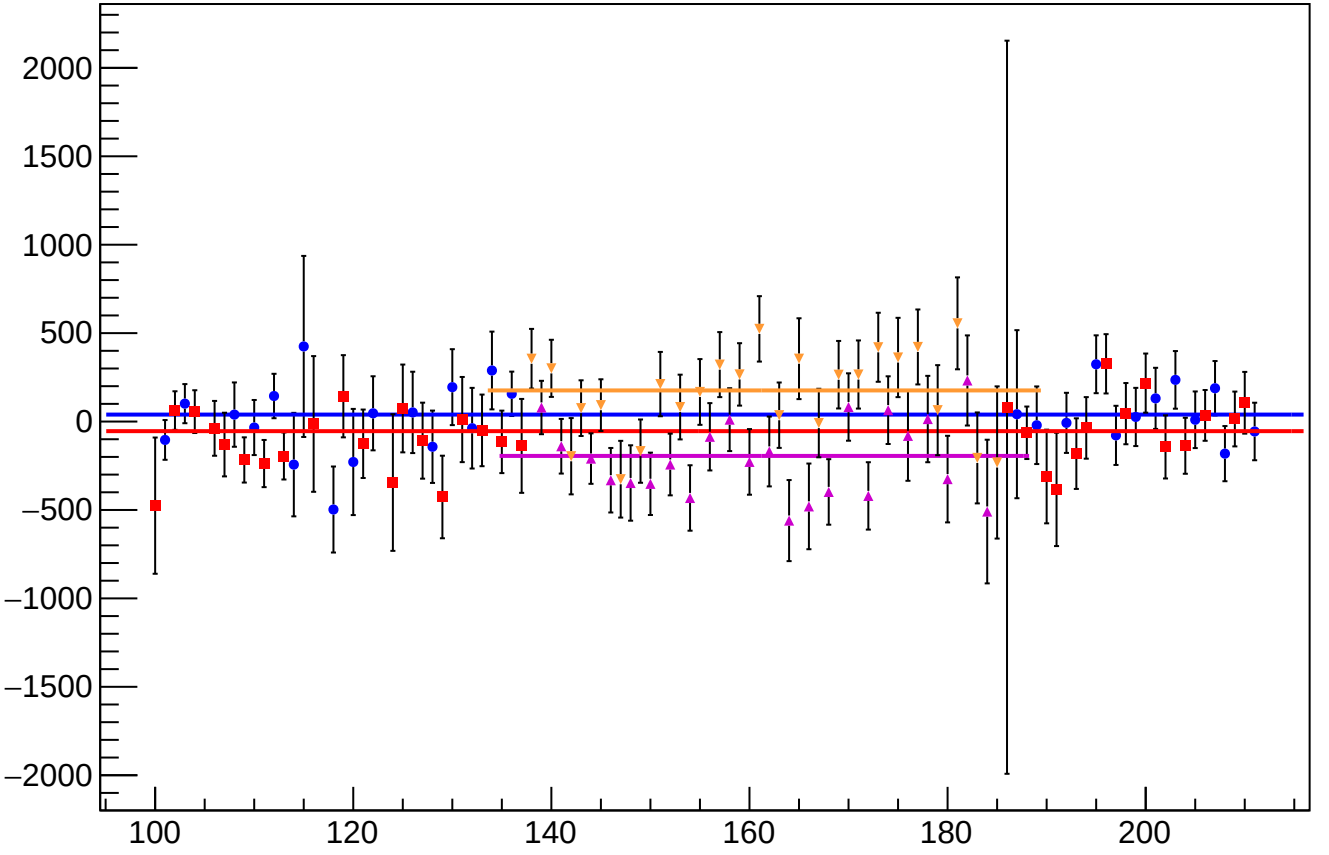
Left In: 1009.672+/-0.168 χ^2/NDF:498783.5/22

+ sign 922.749+/-0.112 χ^2/NDF: 3325762.4/52

All: 909.454+/-0.078 χ^2/NDF: 8177467.5/108

- sign 896.766+/-0.109 χ^2/NDF: 4824121.3/55

eigen_dit_asym_sam5_mean vs Slug



Right In: 39.410+/-32.771 χ^2/NDF: 22.4/27

Left Out: 176.011+/-38.838 χ^2/NDF:30.8/24

Right Out: -54.265+/-31.079 χ^2/NDF: 25.1/32

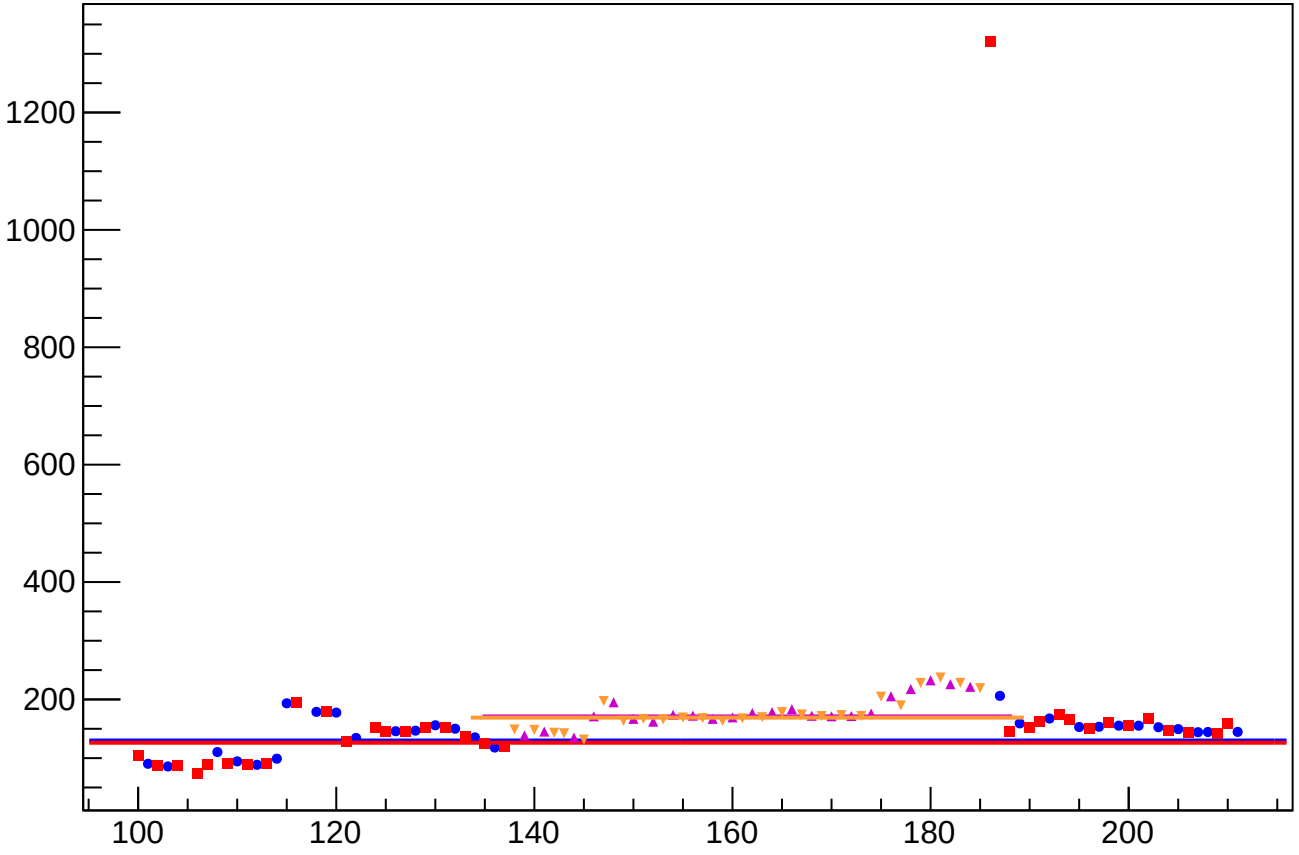
Left In: -194.324+/-40.384 χ^2/NDF:23.8/22

+ sign 96.221+/-25.046 χ^2/NDF: 60.3/52

All: -6.769+/-17.561 χ^2/NDF: 150.1/108

- sign -106.363+/-24.630 χ^2/NDF: 56.5/55

eigen_dit_asym_sam5_rms vs Slug



Right In: 129.990+/-0.023 χ^2/NDF: 1656096.7/27

Left Out: 169.009+/-0.027 χ^2/NDF:773925.9/24

Right Out: 126.272+/-0.022 χ^2/NDF: 2912838.0/32

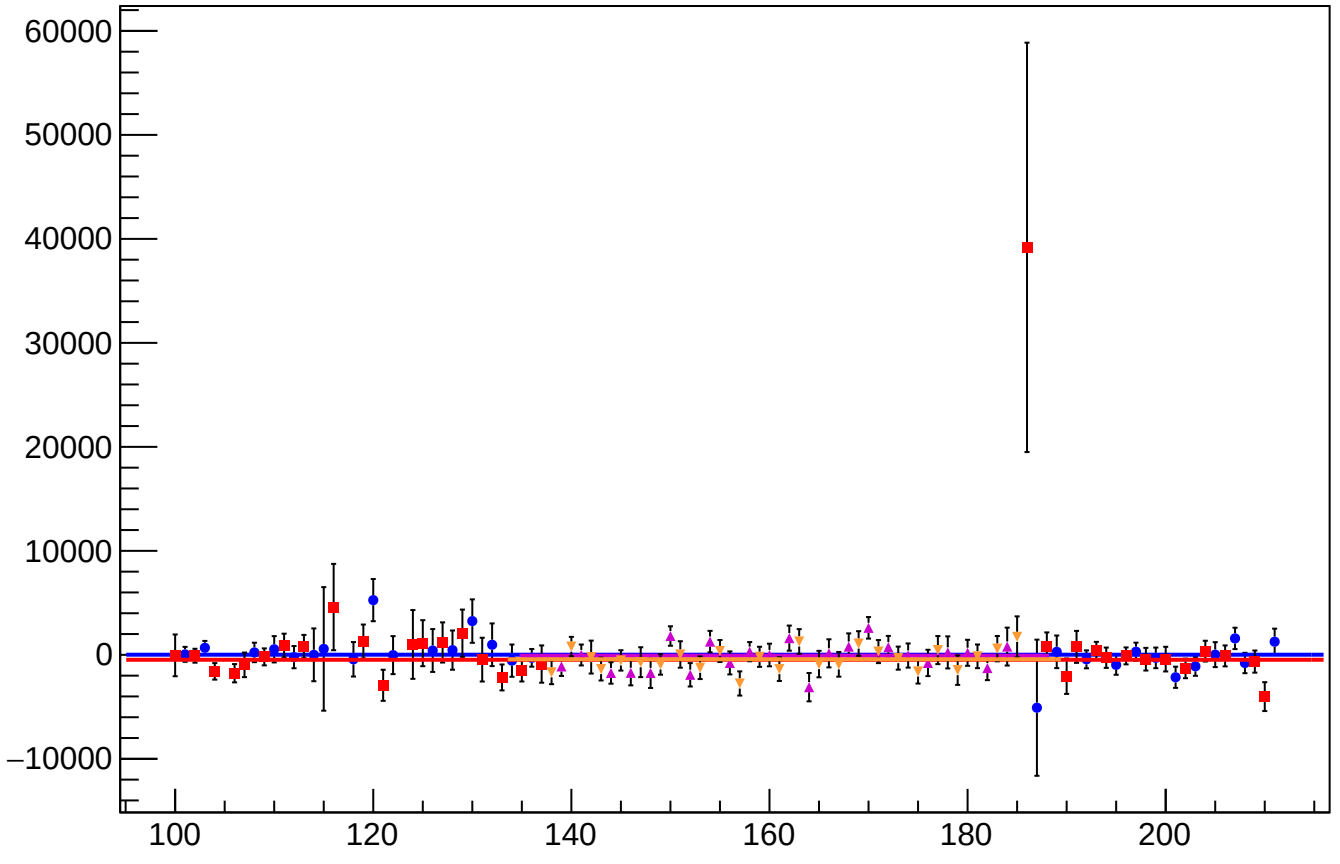
Left In: 171.021+/-0.029 χ^2/NDF:678096.1/22

+ sign 146.218+/-0.018 χ^2/NDF: 3609210.4/52

All: 144.540+/-0.012 χ^2/NDF: 8760096.0/108

- sign 142.917+/-0.017 χ^2/NDF: 5133233.0/55

asym_sam5_eigen_dit_correction_mean vs Slug



Right In: 13.164+/-216.006 χ^2/NDF: 23.2/27

Left Out: -425.818+/-232.561 χ^2/NDF:18.4/24

Right Out: -473.818+/-203.265 χ^2/NDF: 34.5/32

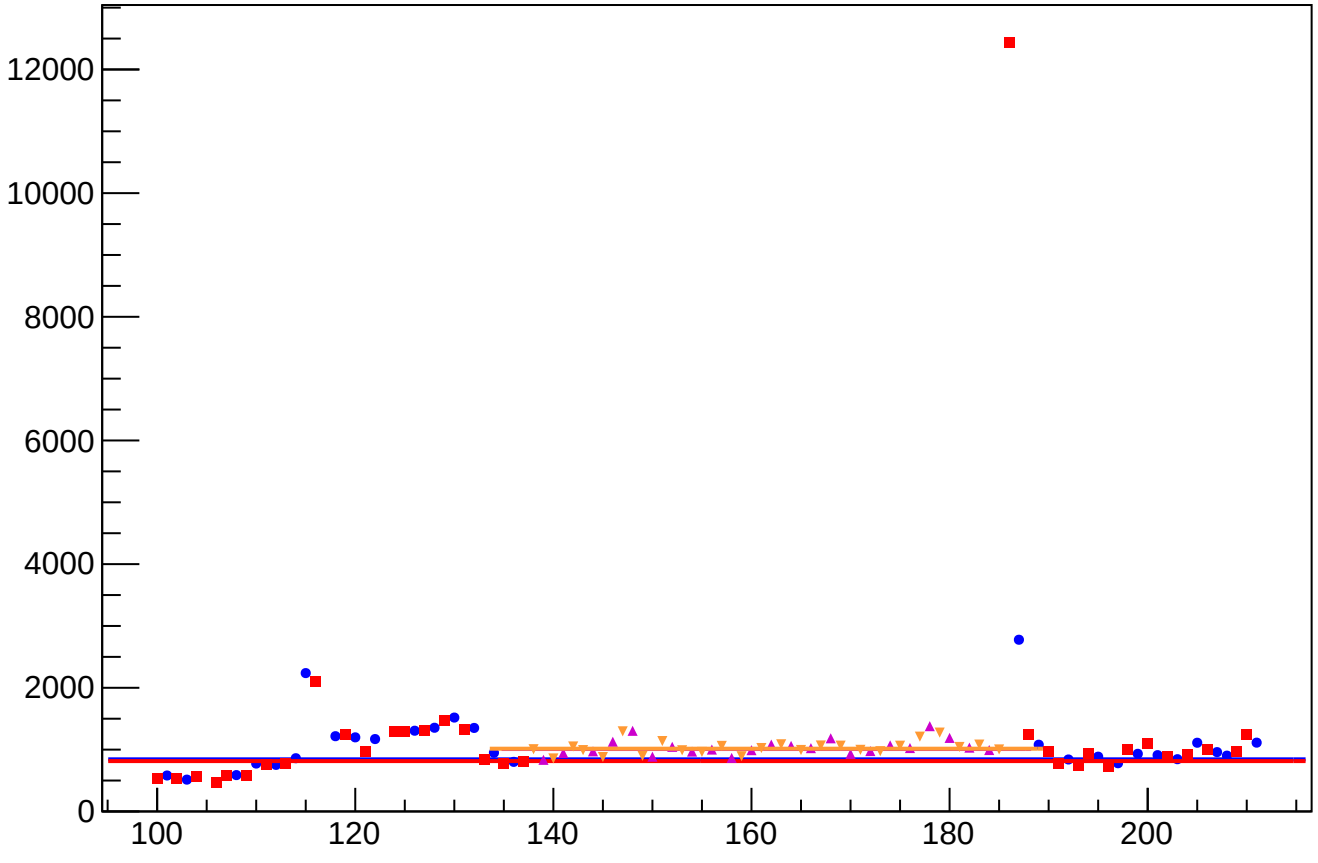
Left In: -86.487+/-238.155 χ^2/NDF:32.4/22

+ sign -190.148+/-158.269 χ^2/NDF: 43.5/52

All: -251.771+/-110.596 χ^2/NDF: 112.2/108

- sign -310.577+/-154.609 χ^2/NDF: 68.4/55

asym_sam5_eigen_dit_correction_rms vs Slug



Right In: 843.124+/-0.153 χ^2/NDF: 2341021.8/27

Left Out: 1015.047+/-0.164 χ^2/NDF:397964.6/24

Right Out: 814.517+/-0.144 χ^2/NDF: 3548367.5/32

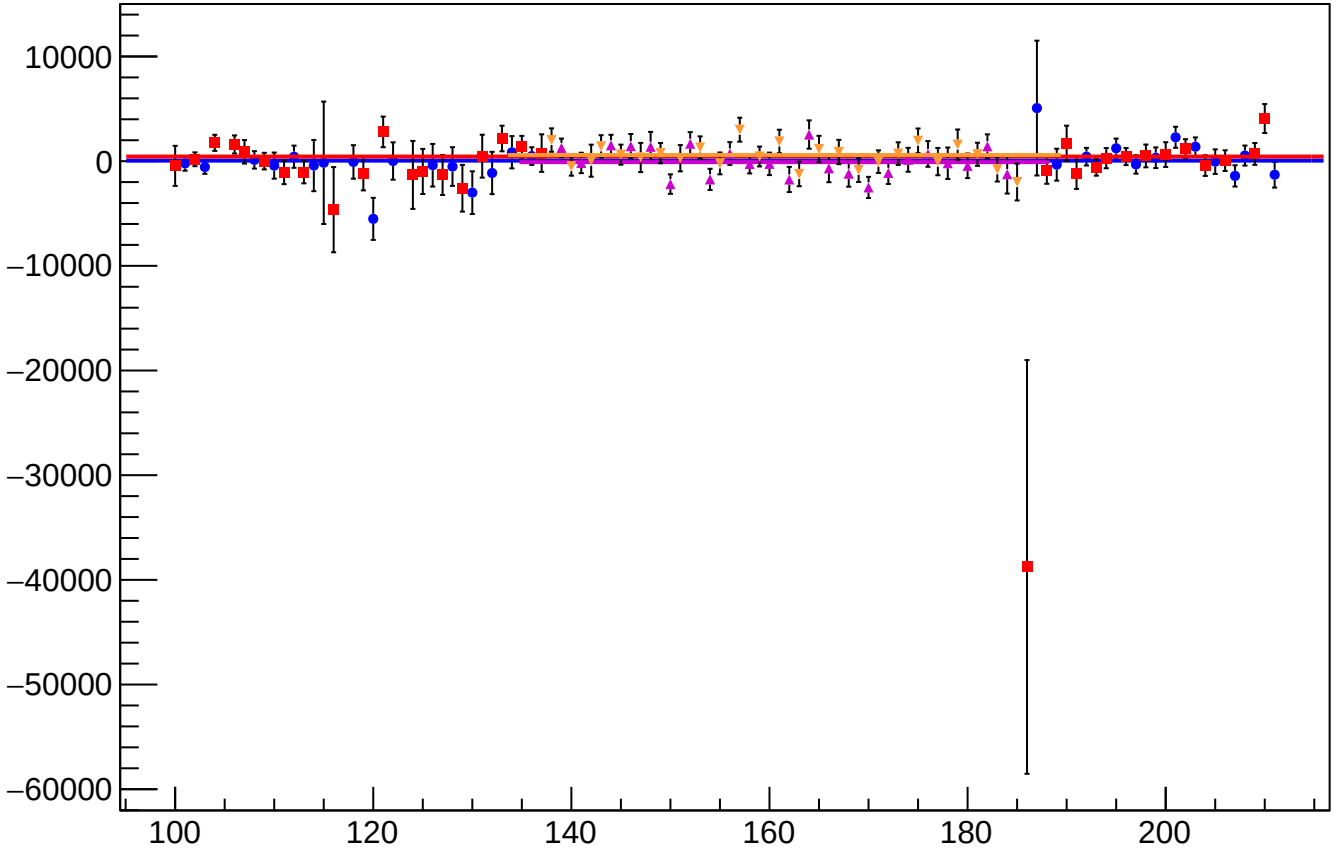
Left In: 1009.673+/-0.168 χ^2/NDF:498783.6/22

+ sign 922.750+/-0.112 χ^2/NDF: 3325774.2/52

All: 909.454+/-0.078 χ^2/NDF: 8177498.5/108

- sign 896.766+/-0.109 χ^2/NDF: 4824140.8/55

asym_sam5_mean vs Slug



Right In: 52.002+/-211.197 χ^2/NDF: 25.7/27

Left Out: 586.188+/-227.585 χ^2/NDF:20.8/24

Right Out: 439.682+/-199.429 χ^2/NDF: 37.3/32

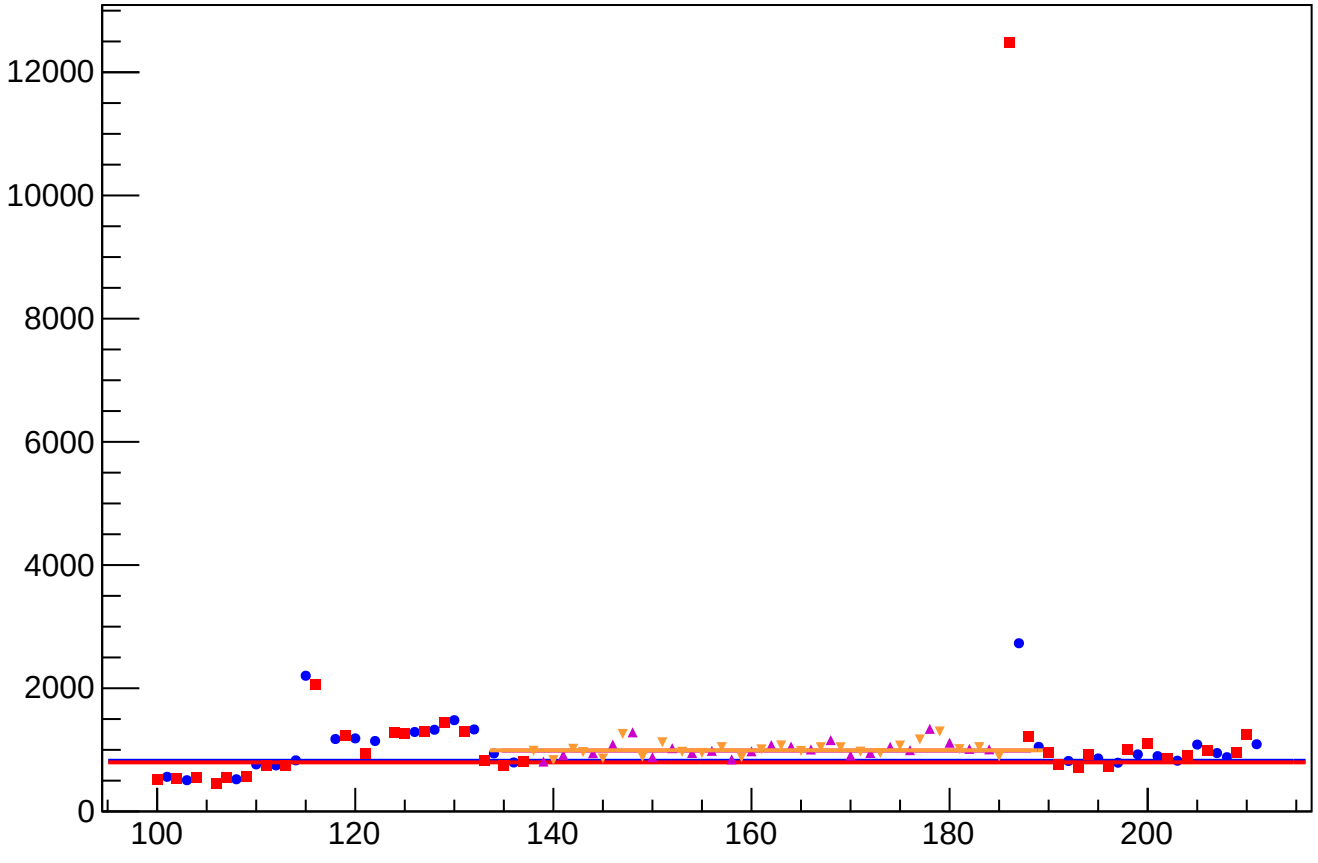
Left In: -92.688+/-233.019 χ^2/NDF:34.6/22

+ sign 299.171+/-154.808 χ^2/NDF: 49.4/52

All: 255.977+/-108.283 χ^2/NDF: 124.4/108

- sign 214.601+/-151.515 χ^2/NDF: 74.8/55

asym_sam5_rms vs Slug



Right In: 822.364+/-0.149 χ^2/NDF: 2452698.4/27

Left Out: 992.549+/-0.161 χ^2/NDF:424899.6/24

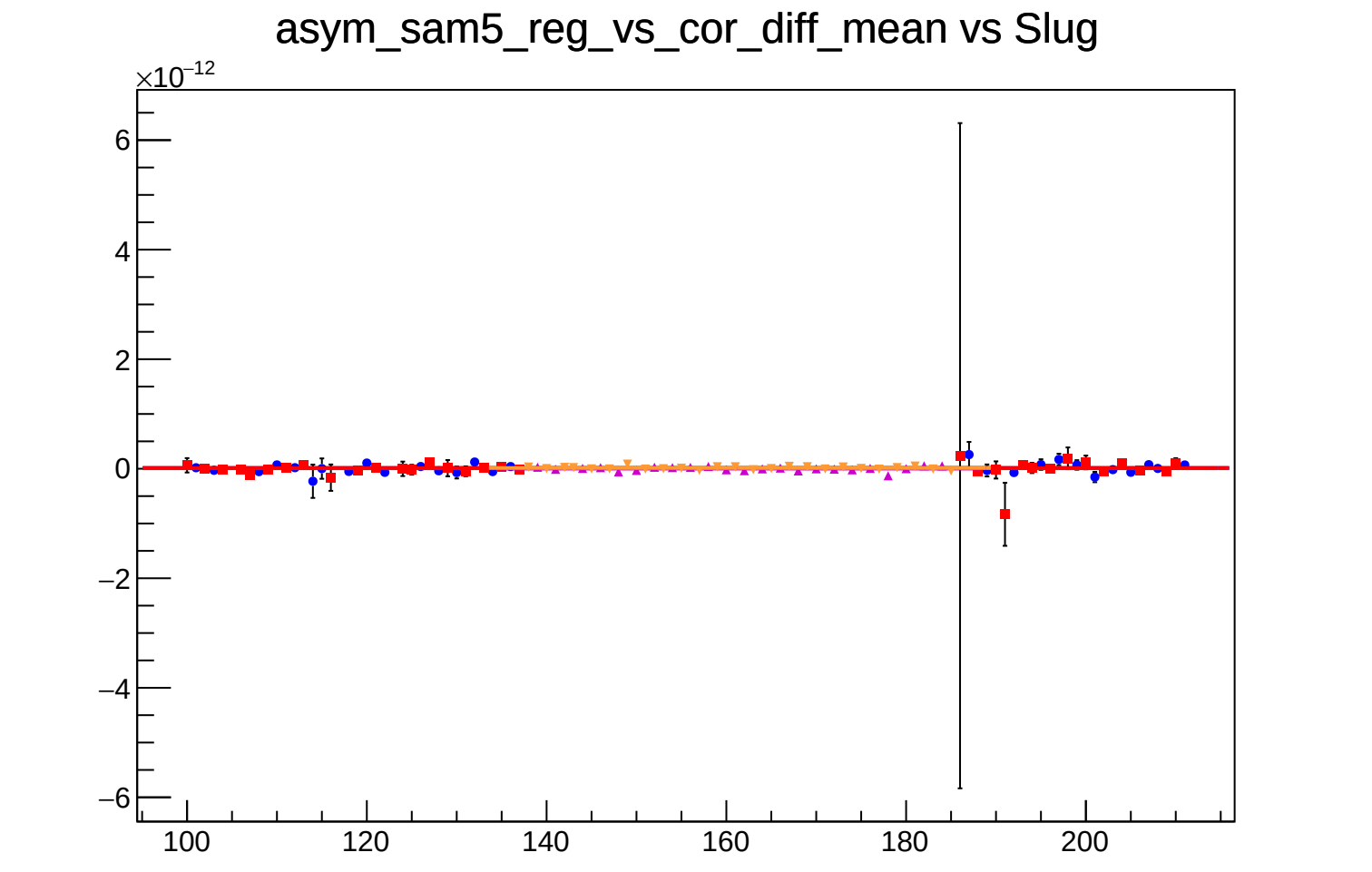
Right Out: 797.094+/-0.141 χ^2/NDF: 3650745.7/32

Left In: 987.784+/-0.165 χ^2/NDF:487733.2/22

+ sign 901.109+/-0.109 χ^2/NDF: 3478491.9/52

All: 889.161+/-0.077 χ^2/NDF: 8413395.7/108

- sign 877.716+/-0.107 χ^2/NDF: 4911578.4/55



Right In: 0.000+/-0.000 χ^2/NDF: 30.6/27

Left Out: 0.000+/-0.000 χ^2/NDF:23.1/24

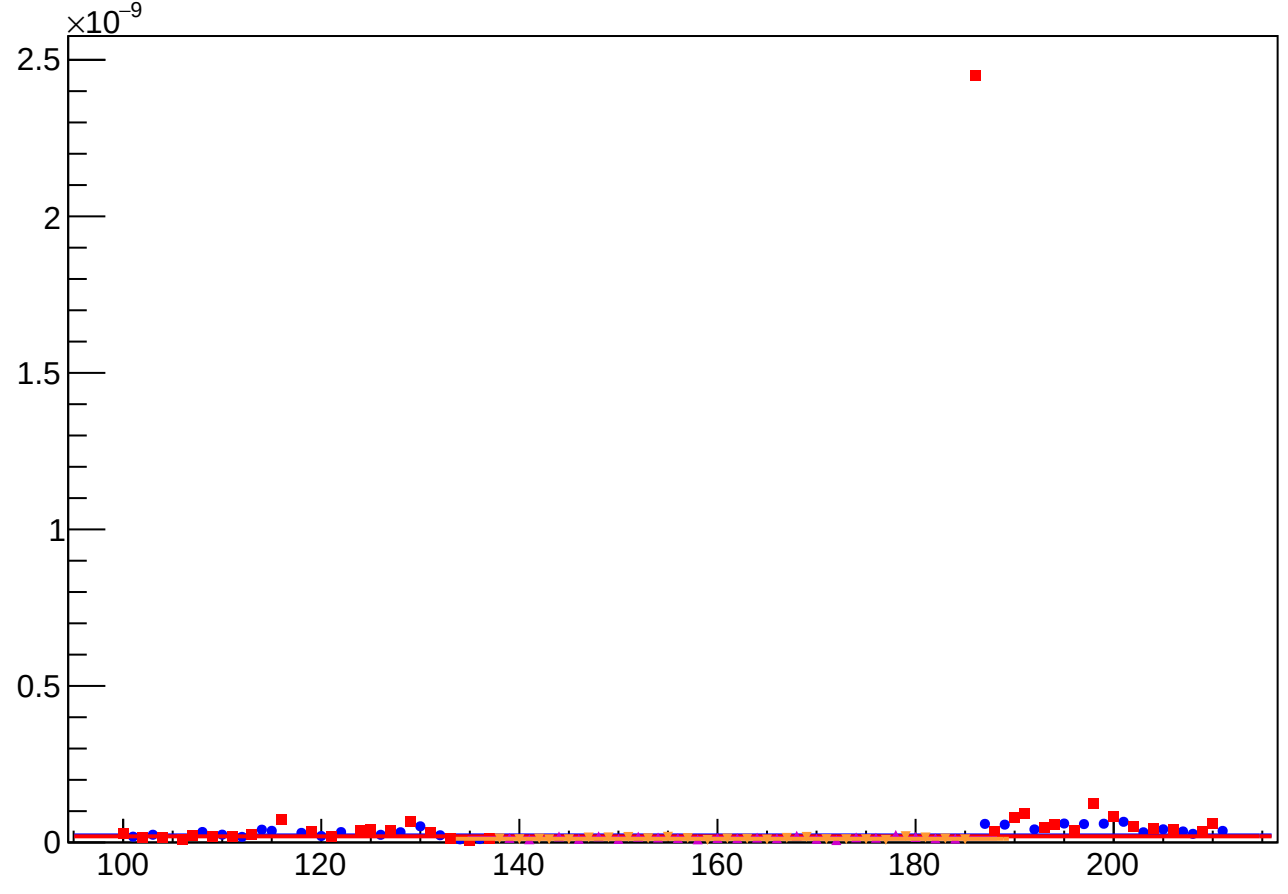
Right Out: 0.000+/-0.000 χ^2/NDF: 24.5/32

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

+ sign 0.000+/-0.000 χ^2/NDF: 53.8/52

All: 0.000+/-0.000 χ^2/NDF: 109.3/108

- sign 0.000+/-0.000 χ^2/NDF: 52.9/55



Right In: 0.000+/-0.000 χ^2/NDF: 3814509.8/27

Left Out: 0.000+/-0.000 χ^2/NDF:762184.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6353325.0/32

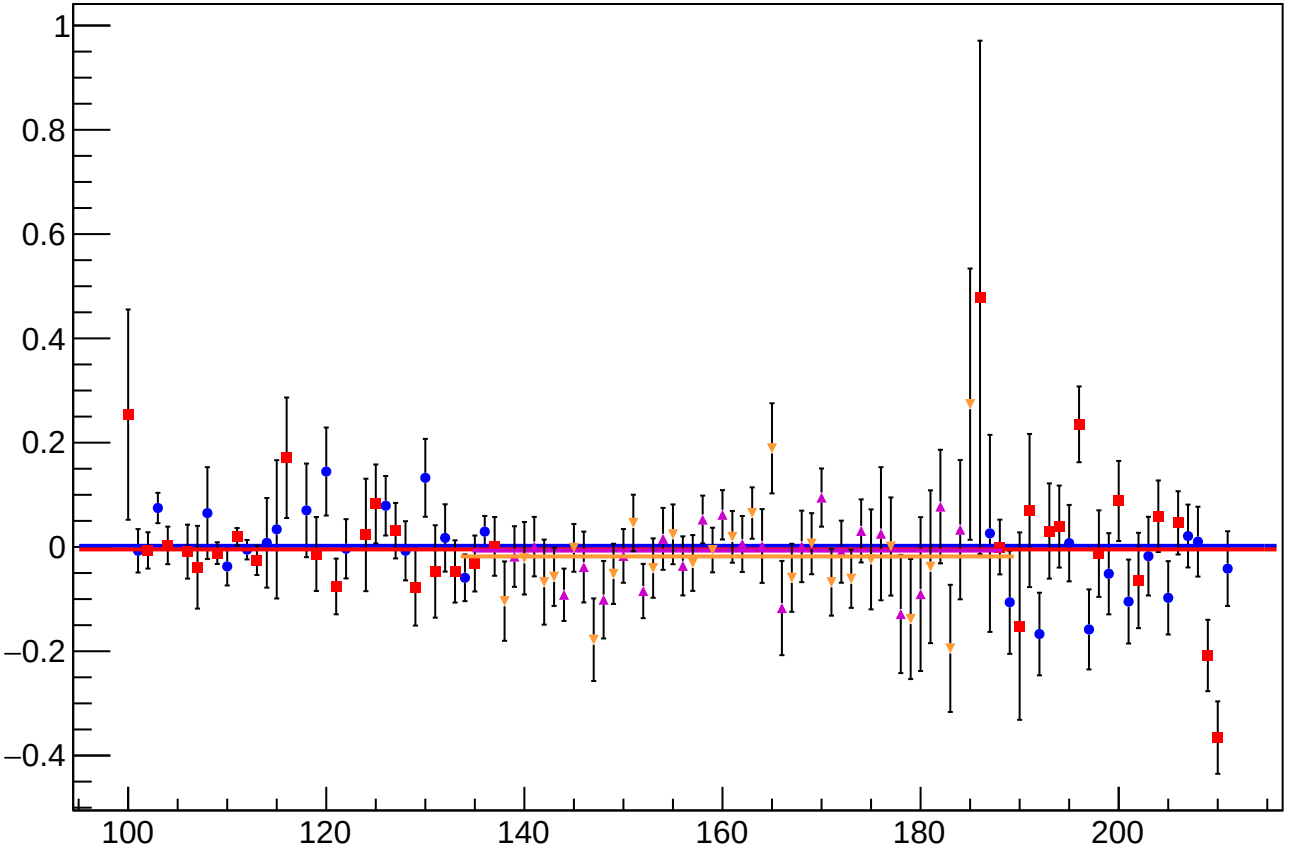
Left In: 0.000+/-0.000 χ^2/NDF:853838.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 6696598.0/52

All: 0.000+/-0.000 χ^2/NDF: 14728521.8/108

- sign 0.000+/-0.000 χ^2/NDF: 7939246.2/55

asym_sam5_dit_vs_cor_diff_mean vs Slug



Right In: 0.002+/-0.010 χ^2/NDF: 34.2/27

Left Out: -0.018+/-0.013 χ^2/NDF:24.3/24

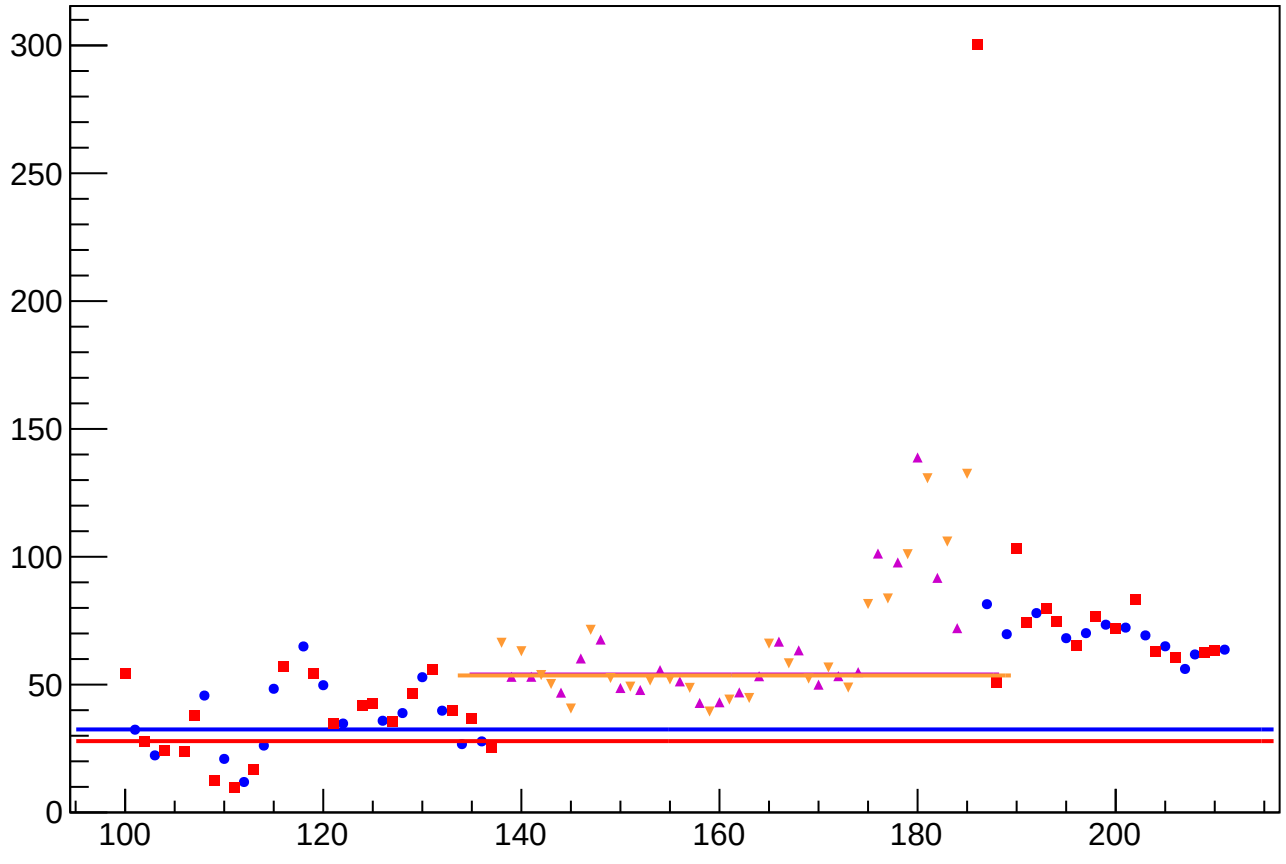
Right Out: -0.005+/-0.008 χ^2/NDF: 65.1/32

Left In: -0.007+/-0.013 χ^2/NDF:18.7/22

+ sign -0.005+/-0.008 χ^2/NDF: 60.1/52

All: -0.005+/-0.005 χ^2/NDF: 143.9/108

- sign -0.005+/-0.007 χ^2/NDF: 83.8/55



Right In: 32.473+/-0.007 χ^2/NDF: 8651019.9/27

Left Out: 53.582+/-0.009 χ^2/NDF:2642509.0/24

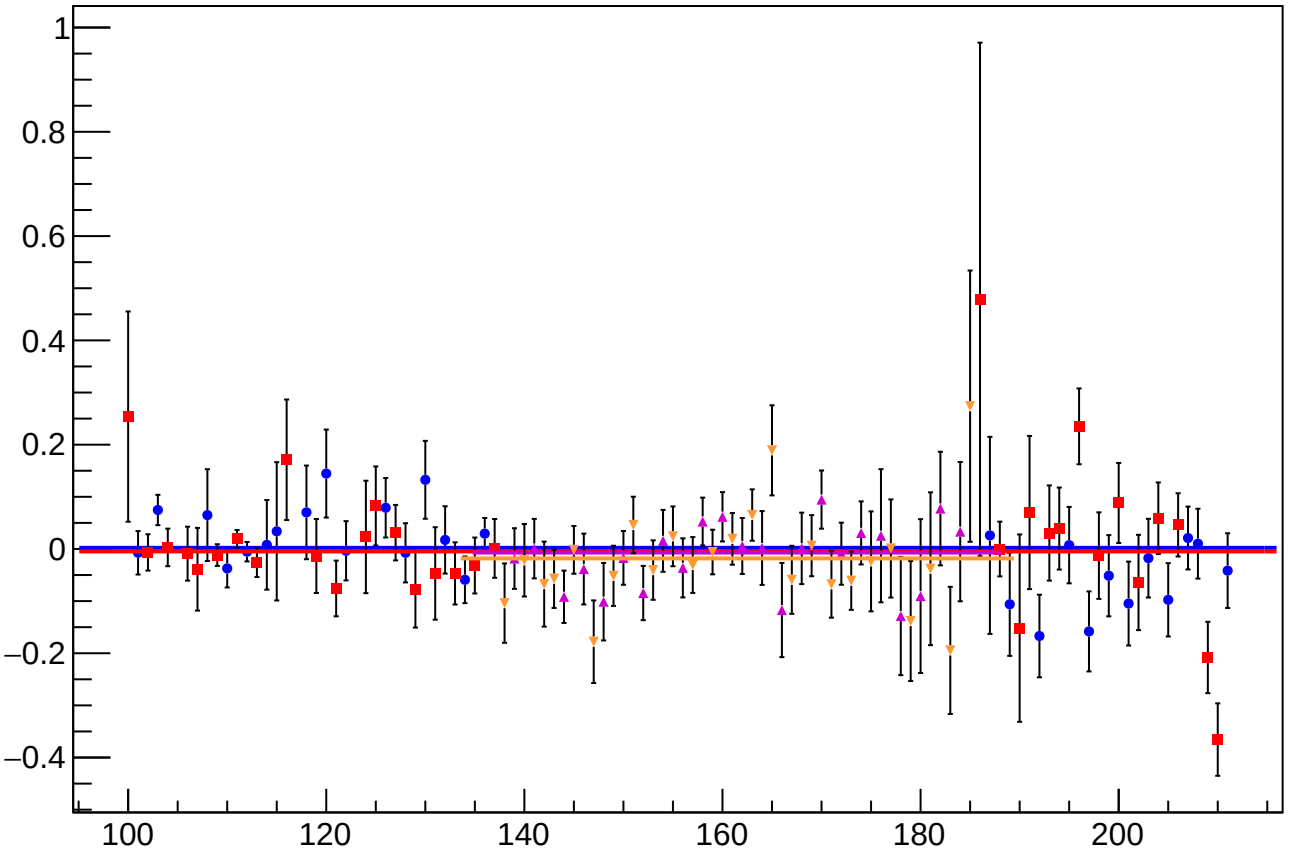
Right Out: 27.897+/-0.006 χ^2/NDF: 12522522.1/32

Left In: 53.961+/-0.009 χ^2/NDF:2039530.1/22

+ sign 40.024+/-0.005 χ^2/NDF: 14786746.4/52

All: 37.586+/-0.004 χ^2/NDF: 35261641.5/108

- sign 35.480+/-0.005 χ^2/NDF: 20096860.4/55



Right In: 0.002+/-0.010 χ^2/NDF: 34.2/27

Left Out: -0.018+/-0.013 χ^2/NDF:24.3/24

Right Out: -0.005+/-0.008 χ^2/NDF: 65.1/32

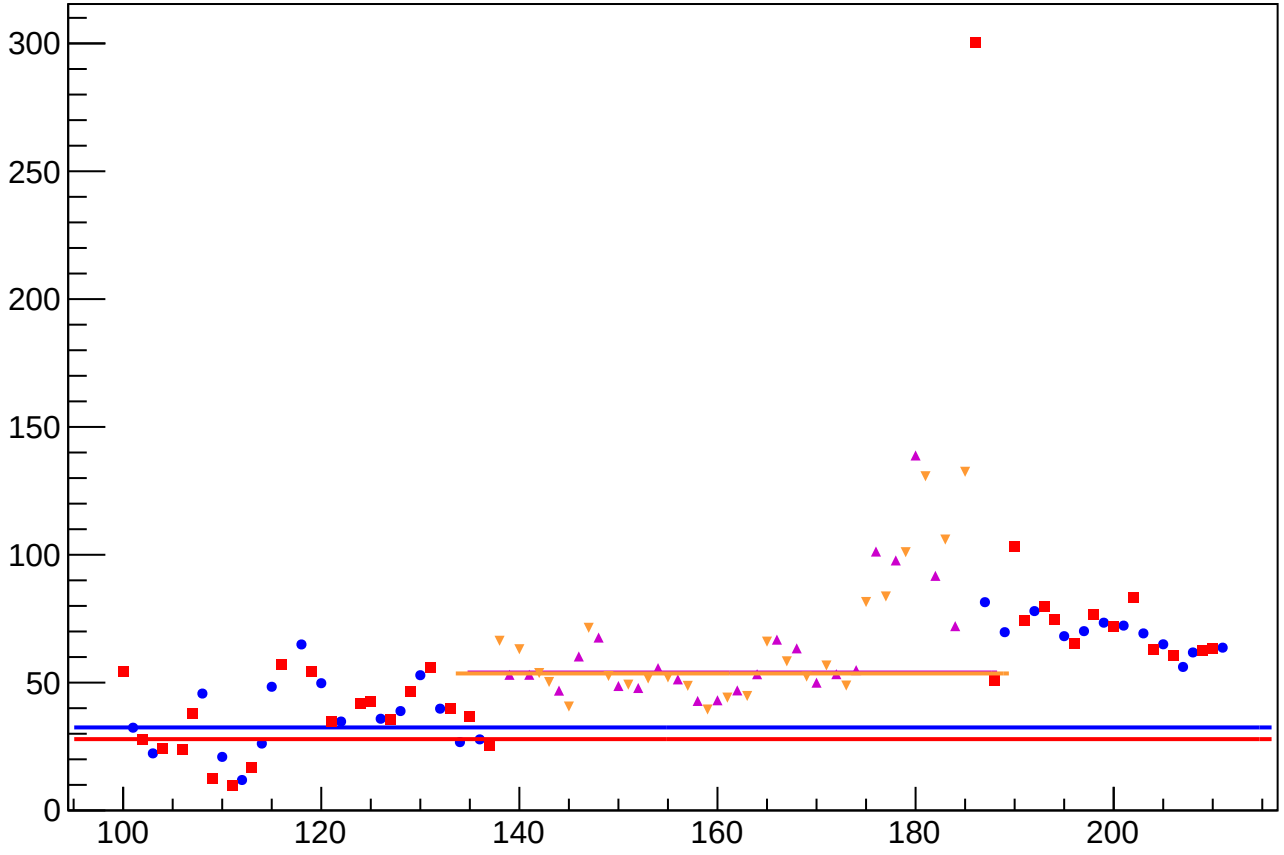
Left In: -0.007+/-0.013 χ^2/NDF:18.7/22

+ sign -0.005+/-0.008 χ^2/NDF: 60.1/52

All: -0.005+/-0.005 χ^2/NDF: 143.9/108

- sign -0.005+/-0.007 χ^2/NDF: 83.8/55

asym_sam5_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 32.473+/-0.007 χ^2/NDF: 8651019.9/27

Left Out: 53.582+/-0.009 χ^2/NDF:2642509.0/24

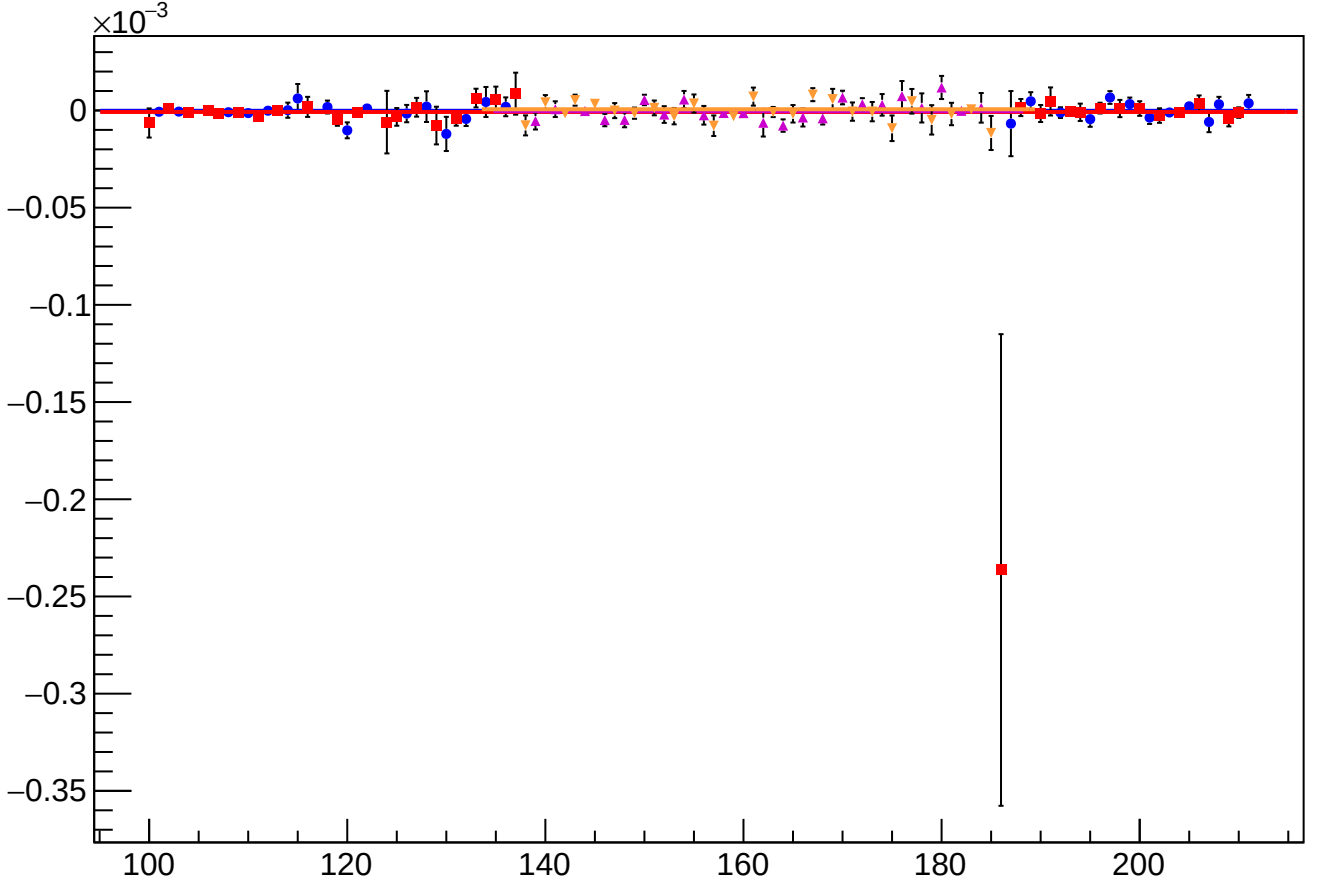
Right Out: 27.897+/-0.006 χ^2/NDF: 12522522.1/32

Left In: 53.961+/-0.009 χ^2/NDF:2039530.1/22

+ sign 40.024+/-0.005 χ^2/NDF: 14786746.4/52

All: 37.586+/-0.004 χ^2/NDF: 35261641.5/108

- sign 35.480+/-0.005 χ^2/NDF: 20096860.4/55



Right In: -0.000+/-0.000 χ^2/NDF: 25.5/27

Left Out: 0.000+/-0.000 χ^2/NDF:31.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 19.6/32

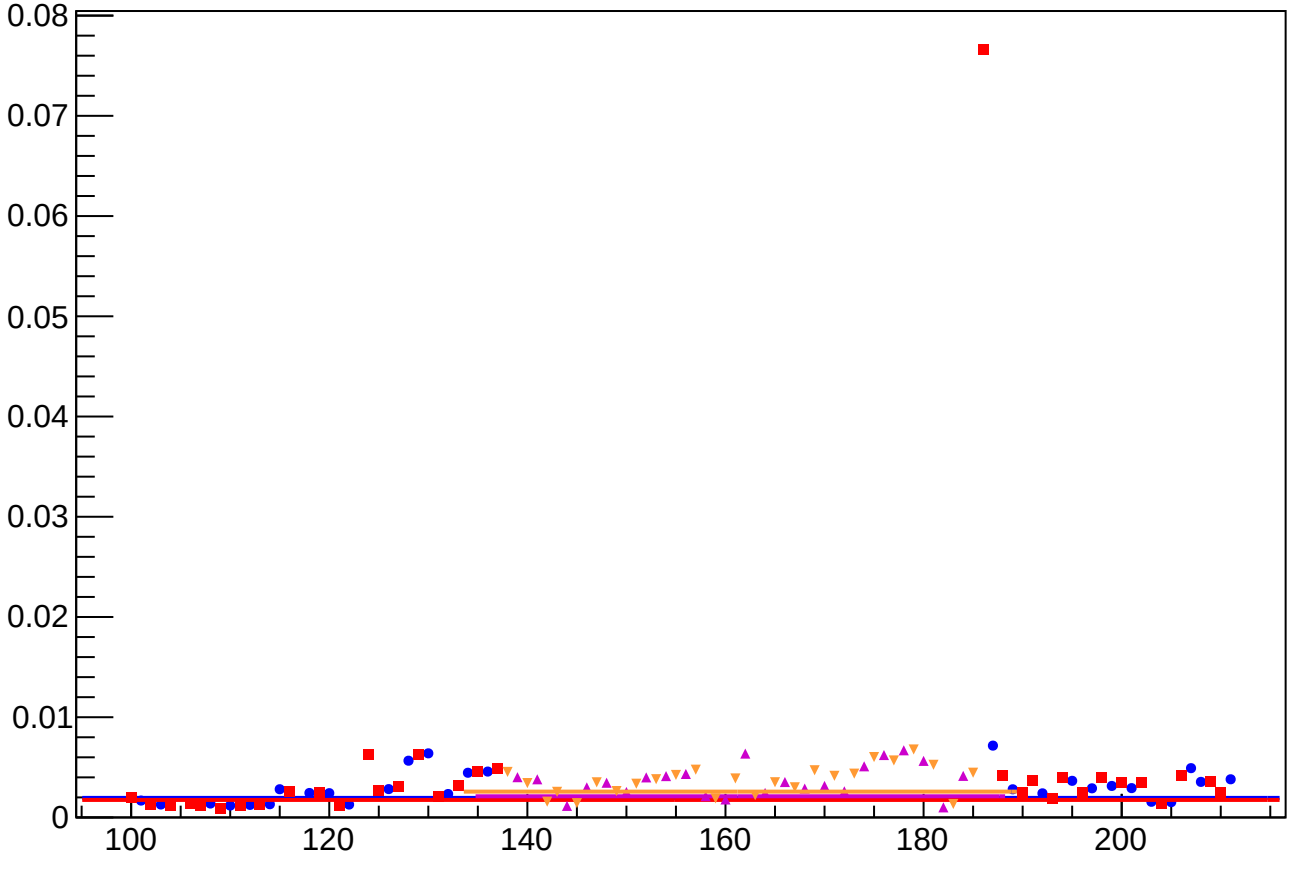
Left In: -0.000+/-0.000 χ^2/NDF:30.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 57.4/52

All: -0.000+/-0.000 χ^2/NDF: 109.9/108

- sign -0.000+/-0.000 χ^2/NDF: 50.8/55

asym_sam5_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 6131551.4/27

Left Out: 0.003+/-0.000 χ^2/NDF:7112963.2/24

Right Out: 0.002+/-0.000 χ^2/NDF: 8558210.0/32

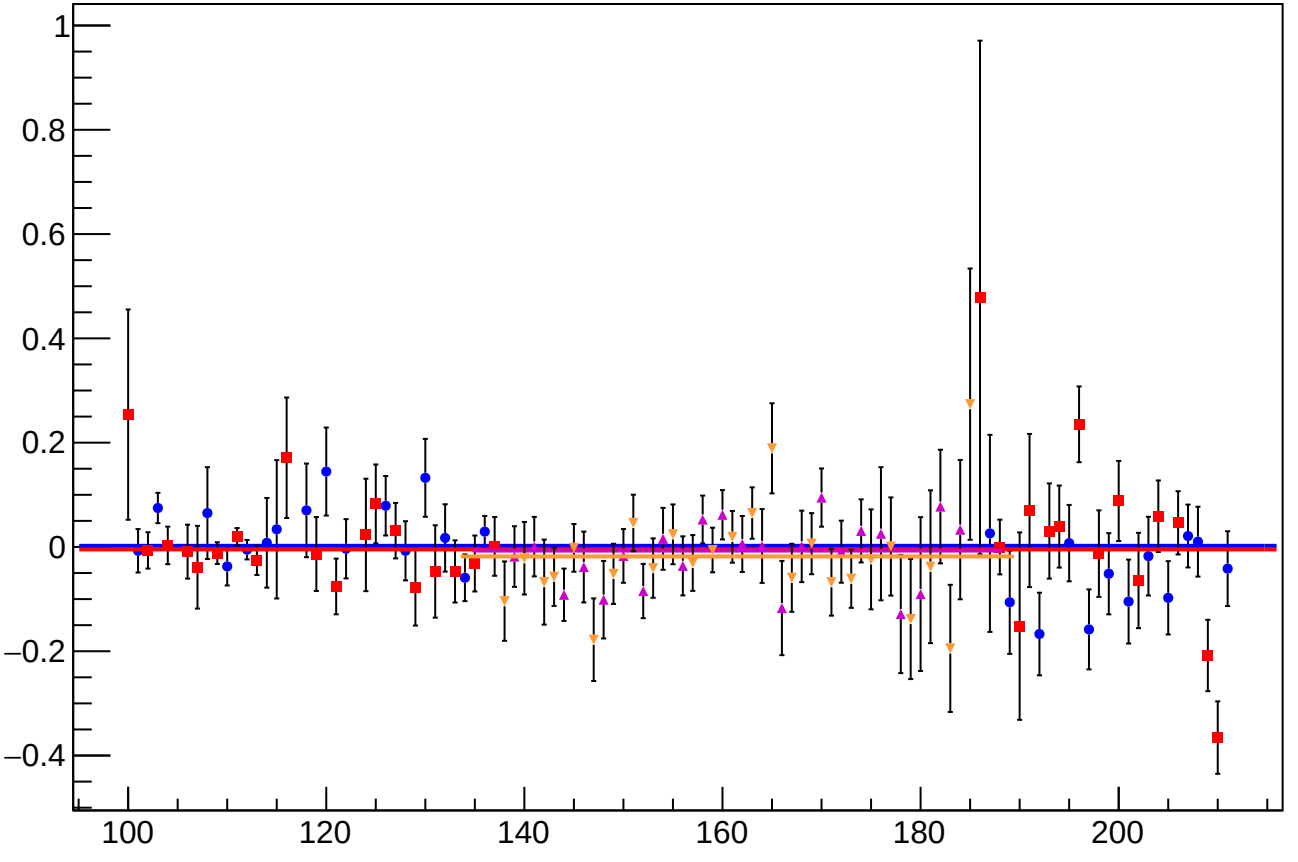
Left In: 0.002+/-0.000 χ^2/NDF:9487138.7/22

+ sign 0.002+/-0.000 χ^2/NDF: 14301064.6/52

All: 0.002+/-0.000 χ^2/NDF: 33411087.1/108

- sign 0.002+/-0.000 χ^2/NDF: 18510016.3/55

asym_sam5_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.002+/-0.010 χ^2/NDF: 34.2/27

Left Out: -0.018+/-0.013 χ^2/NDF:24.3/24

Right Out: -0.005+/-0.008 χ^2/NDF: 65.1/32

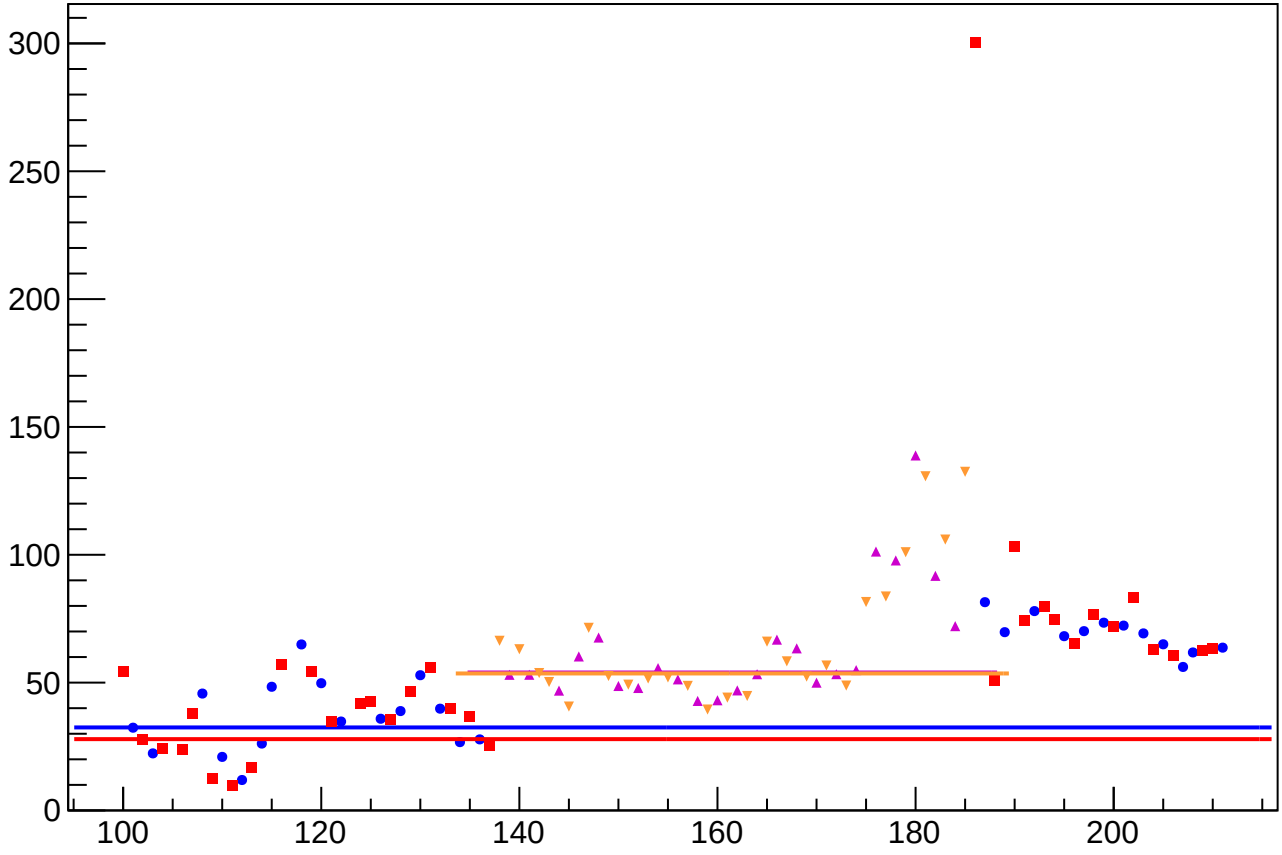
Left In: -0.007+/-0.013 χ^2/NDF:18.7/22

+ sign -0.005+/-0.008 χ^2/NDF: 60.1/52

All: -0.005+/-0.005 χ^2/NDF: 143.9/108

- sign -0.005+/-0.007 χ^2/NDF: 83.8/55

asym_sam5_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 32.472+/-0.007 χ^2/NDF: 8651129.6/27

Left Out: 53.582+/-0.009 χ^2/NDF:2642554.6/24

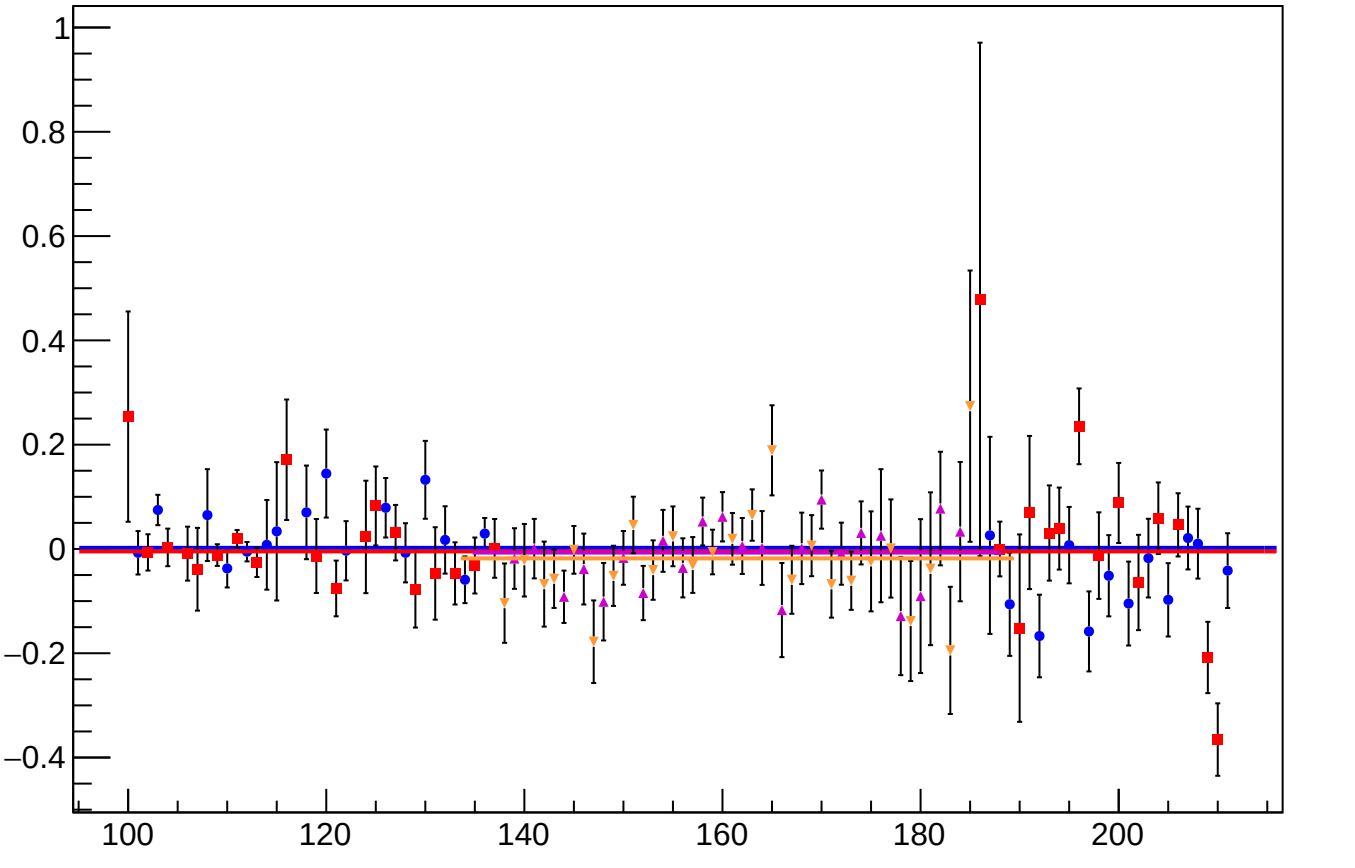
Right Out: 27.897+/-0.006 χ^2/NDF: 12522725.6/32

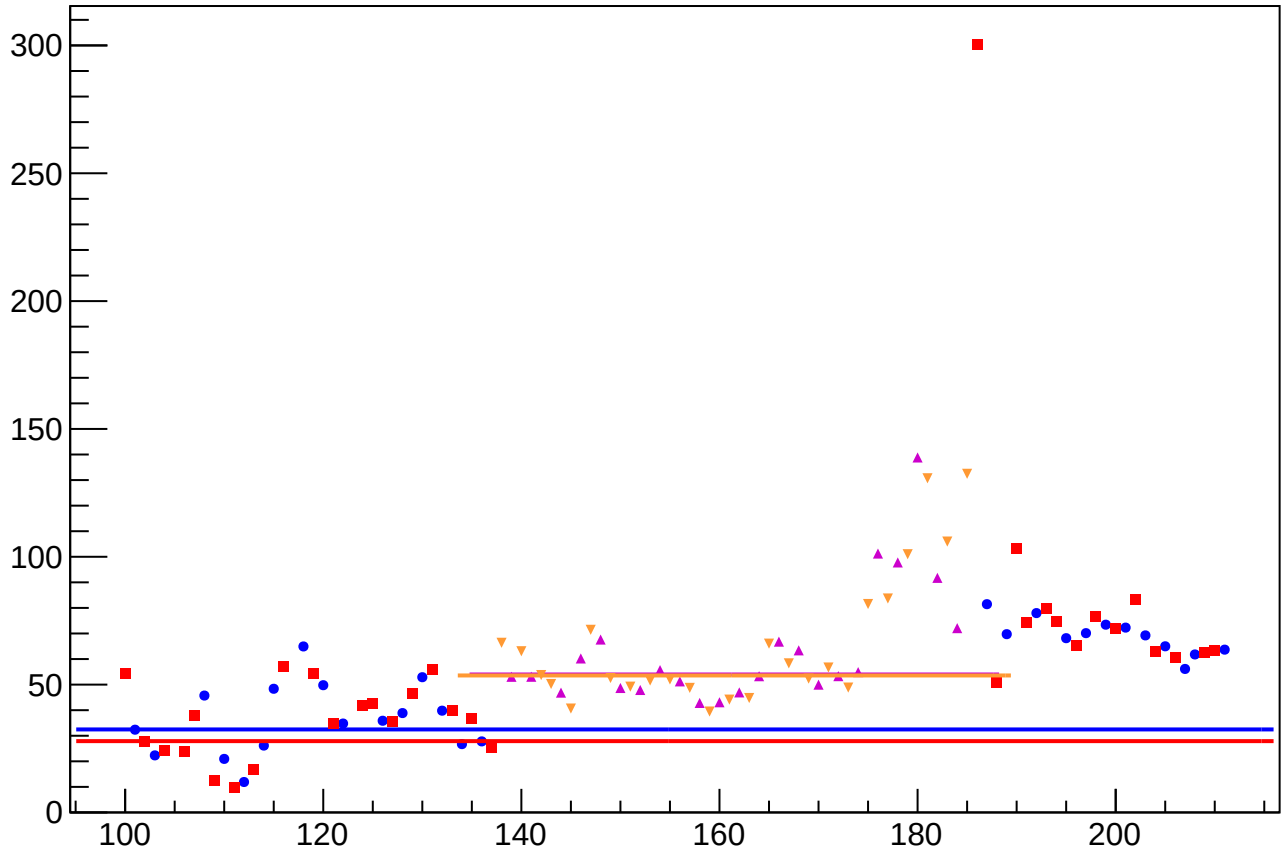
Left In: 53.961+/-0.009 χ^2/NDF:2039571.7/22

+ sign 40.023+/-0.005 χ^2/NDF: 14787244.9/52

All: 37.585+/-0.004 χ^2/NDF: 35262863.5/108

- sign 35.479+/-0.005 χ^2/NDF: 20097553.7/55


asym_sam5_eigen_dit_vs_eigen_cor_diff_mean vs Slug
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
100
120
140
160
180
200
Right In: 0.002+/-0.010 χ²/NDF: 34.2/27
Left Out: -0.018+/-0.013 χ²/NDF:24.3/24
Right Out: -0.005+/-0.008 χ²/NDF: 65.1/32
Left In: -0.007+/-0.013 χ²/NDF:18.7/22
+ sign -0.005+/-0.008 χ²/NDF: 60.1/52
All: -0.005+/-0.005 χ²/NDF: 143.9/108
- sign -0.005+/-0.007 χ²/NDF: 83.8/55



Right In: 32.472+/-0.007 χ^2/NDF: 8651129.6/27

Left Out: 53.582+/-0.009 χ^2/NDF:2642554.6/24

Right Out: 27.897+/-0.006 χ^2/NDF: 12522725.6/32

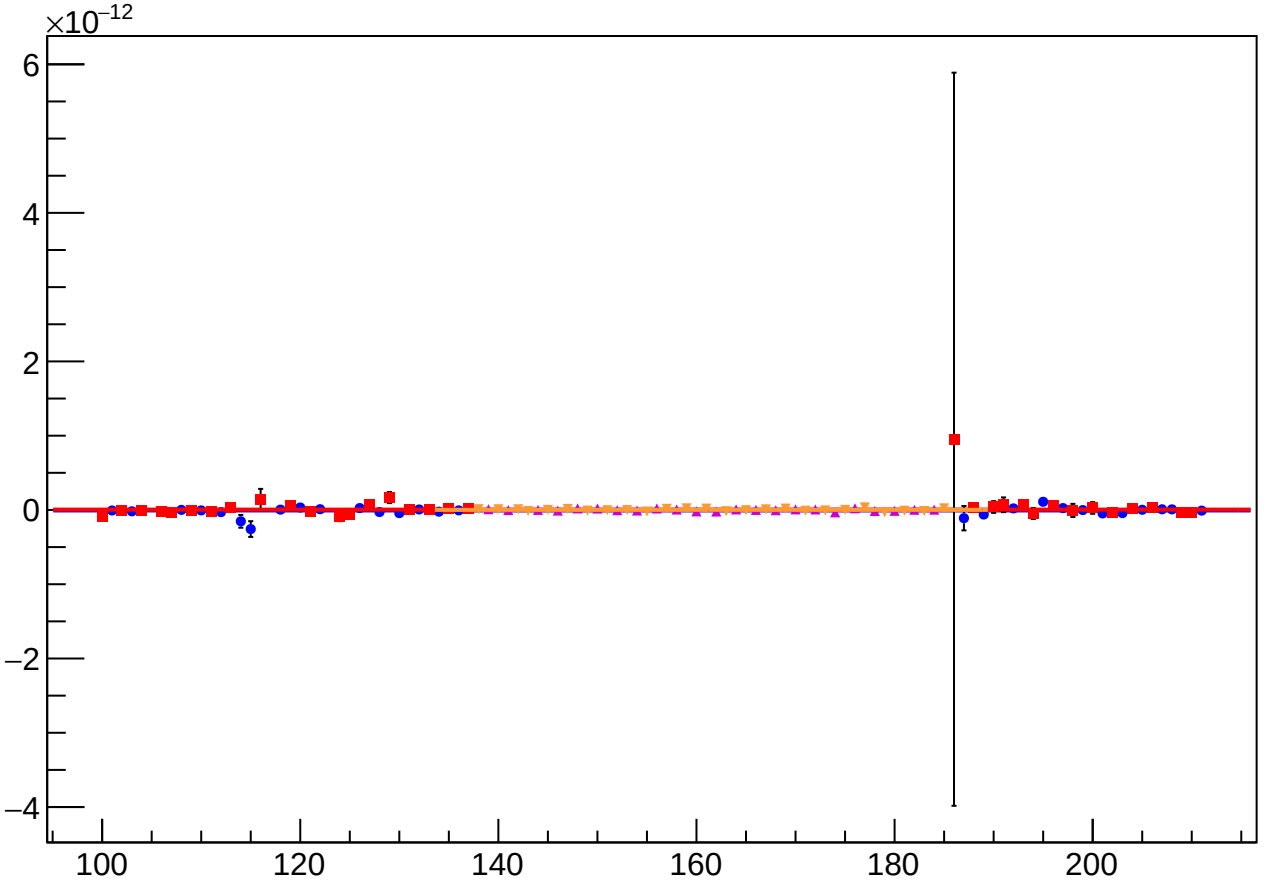
Left In: 53.961+/-0.009 χ^2/NDF:2039571.7/22

+ sign 40.023+/-0.005 χ^2/NDF: 14787244.9/52

All: 37.585+/-0.004 χ^2/NDF: 35262863.5/108

- sign 35.479+/-0.005 χ^2/NDF: 20097553.7/55

asym_sam5_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 22.6/27

Left Out: 0.000+/-0.000 χ^2/NDF:27.4/24

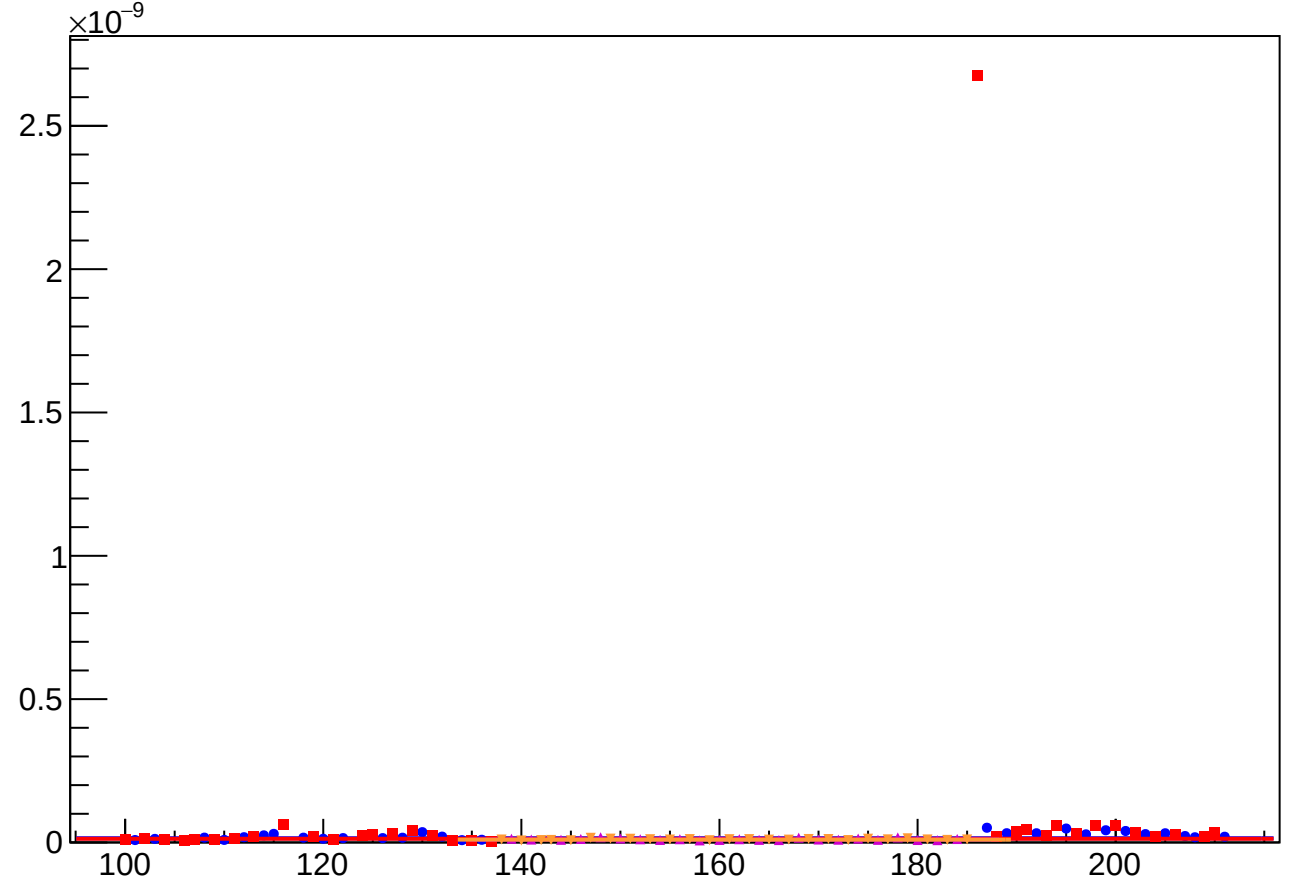
Right Out: 0.000+/-0.000 χ^2/NDF: 39.0/32

Left In: 0.000+/-0.000 χ^2/NDF:18.1/22

+ sign -0.000+/-0.000 χ^2/NDF: 51.9/52

All: 0.000+/-0.000 χ^2/NDF: 110.0/108

- sign 0.000+/-0.000 χ^2/NDF: 57.7/55



Right In: 0.000+/-0.000 χ^2/NDF: 5125956.5/27

Left Out: 0.000+/-0.000 χ^2/NDF:1196110.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8583441.3/32

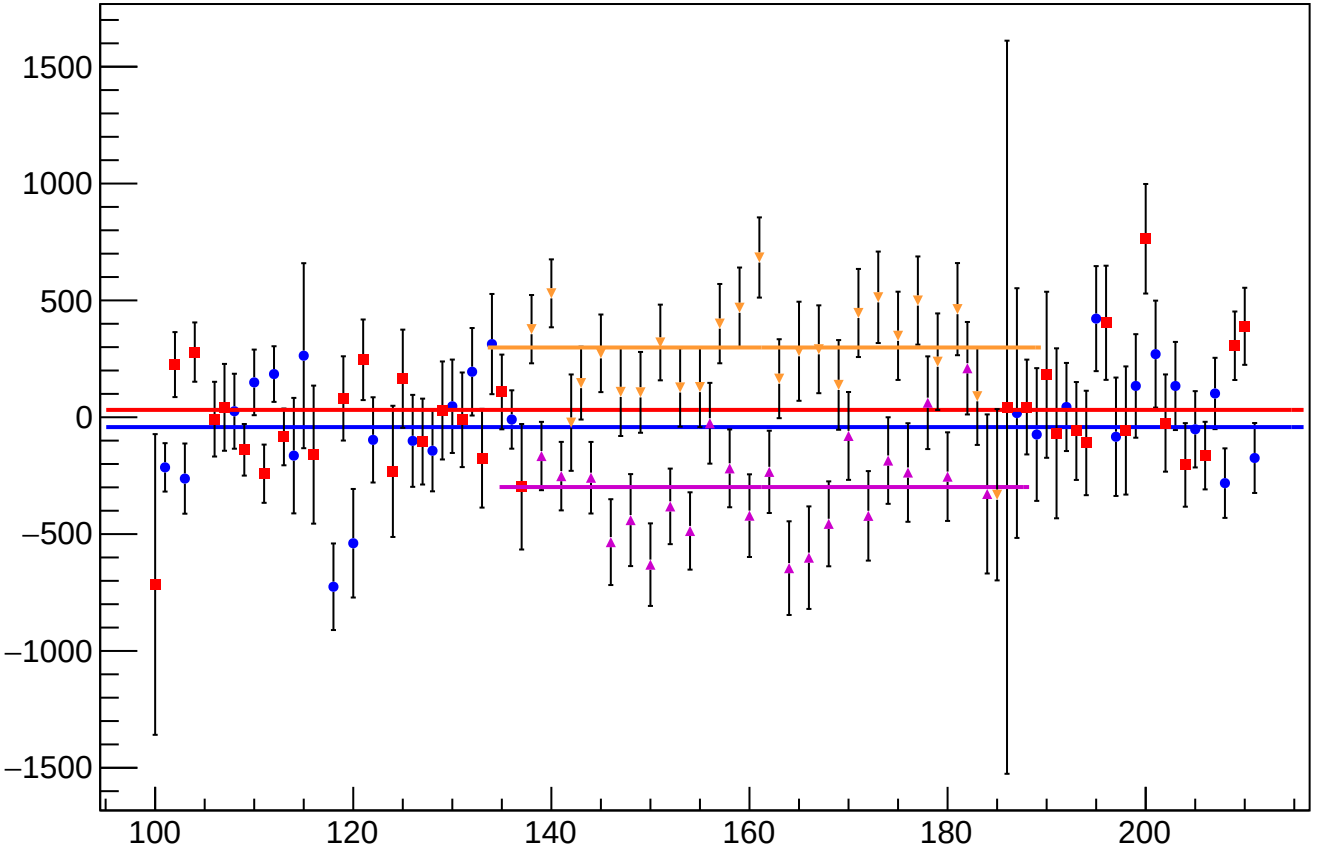
Left In: 0.000+/-0.000 χ^2/NDF:1313644.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 7671560.8/52

All: 0.000+/-0.000 χ^2/NDF: 18026221.0/108

- sign 0.000+/-0.000 χ^2/NDF: 10354591.2/55

reg_asym_sam6_mean vs Slug



Right In: -42.131+/-33.077 χ^2/NDF: 46.9/27

Left Out: 298.517+/-36.051 χ^2/NDF:26.0/24

Right Out: 31.470+/-31.963 χ^2/NDF: 46.7/32

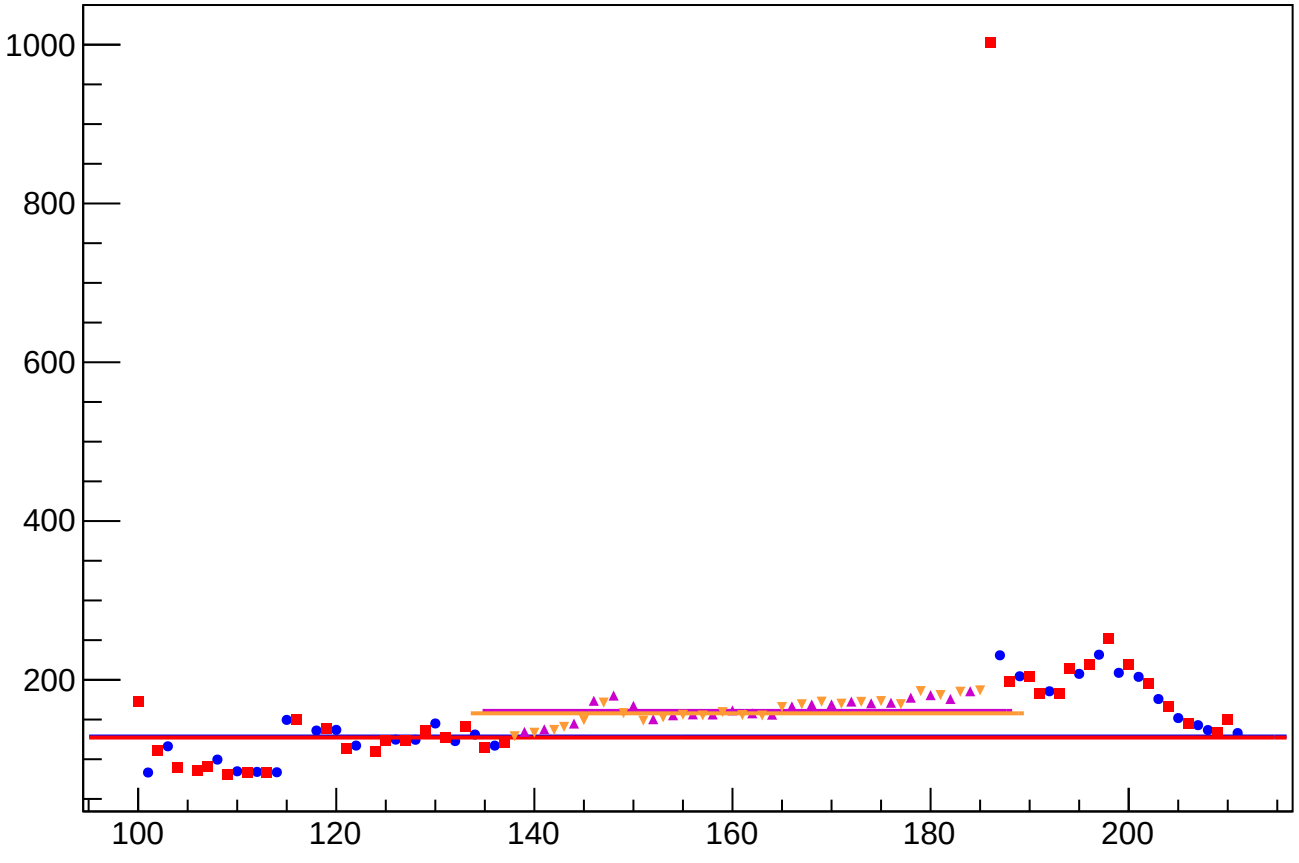
Left In: -298.675+/-37.727 χ^2/NDF:29.4/22

+ sign 113.568+/-24.373 χ^2/NDF: 121.4/52

All: 3.608+/-17.239 χ^2/NDF: 282.9/108

- sign -106.486+/-24.387 χ^2/NDF: 120.8/55

reg_asym_sam6_rms vs Slug



Right In: 128.619+/-0.023 χ^2/NDF: 2703480.2/27

Left Out: 157.836+/-0.025 χ^2/NDF:377205.2/24

Right Out: 127.336+/-0.023 χ^2/NDF: 4201071.1/32

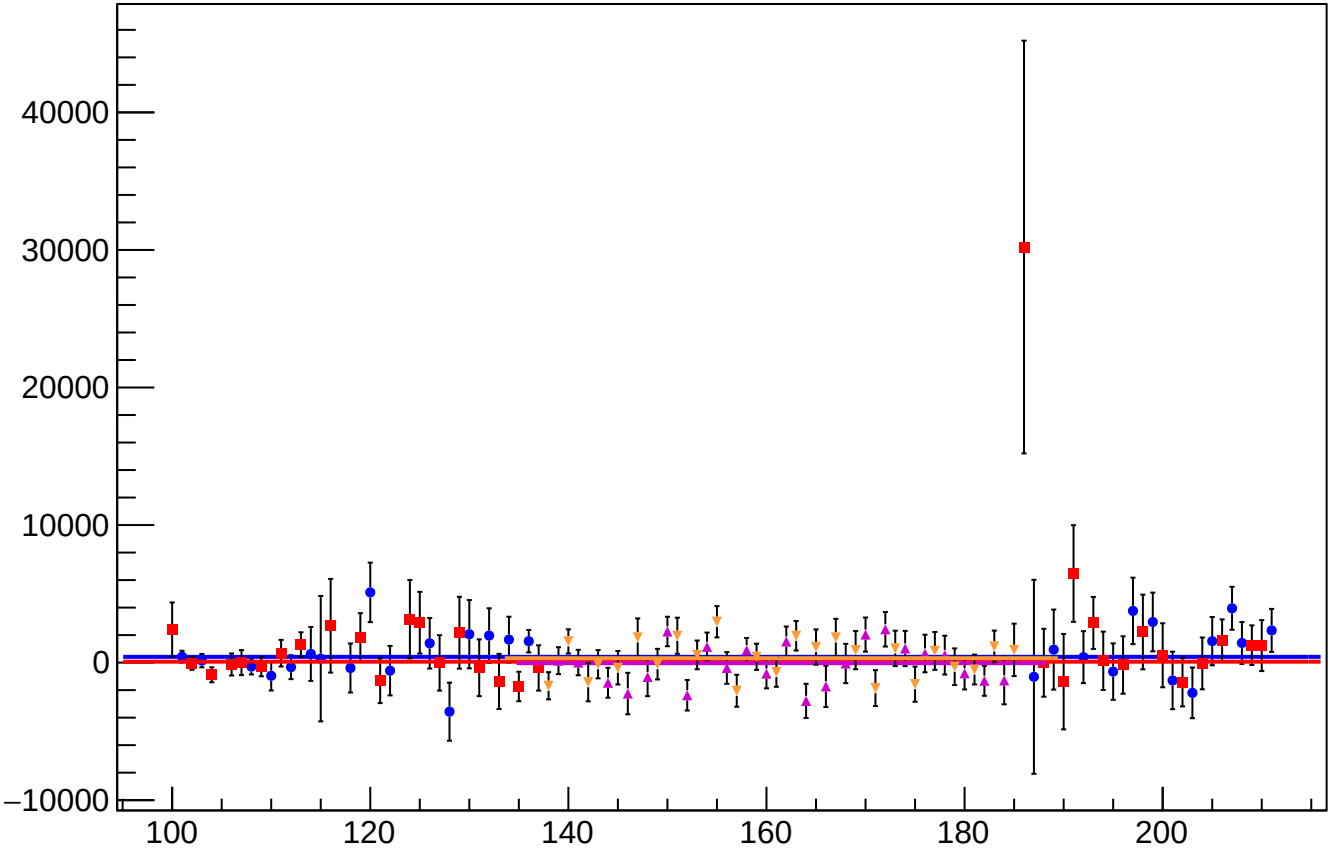
Left In: 160.874+/-0.027 χ^2/NDF:268330.7/22

+ sign 141.973+/-0.017 χ^2/NDF: 3793907.2/52

All: 141.662+/-0.012 χ^2/NDF: 9184081.1/108

- sign 141.350+/-0.017 χ^2/NDF: 5389520.7/55

asym_sam6_reg_correction_mean vs Slug



Right In: 419.151+/-213.490 χ^2/NDF: 30.7/27

Left Out: 319.947+/-235.084 χ^2/NDF:32.5/24

Right Out: 67.738+/-214.401 χ^2/NDF: 29.8/32

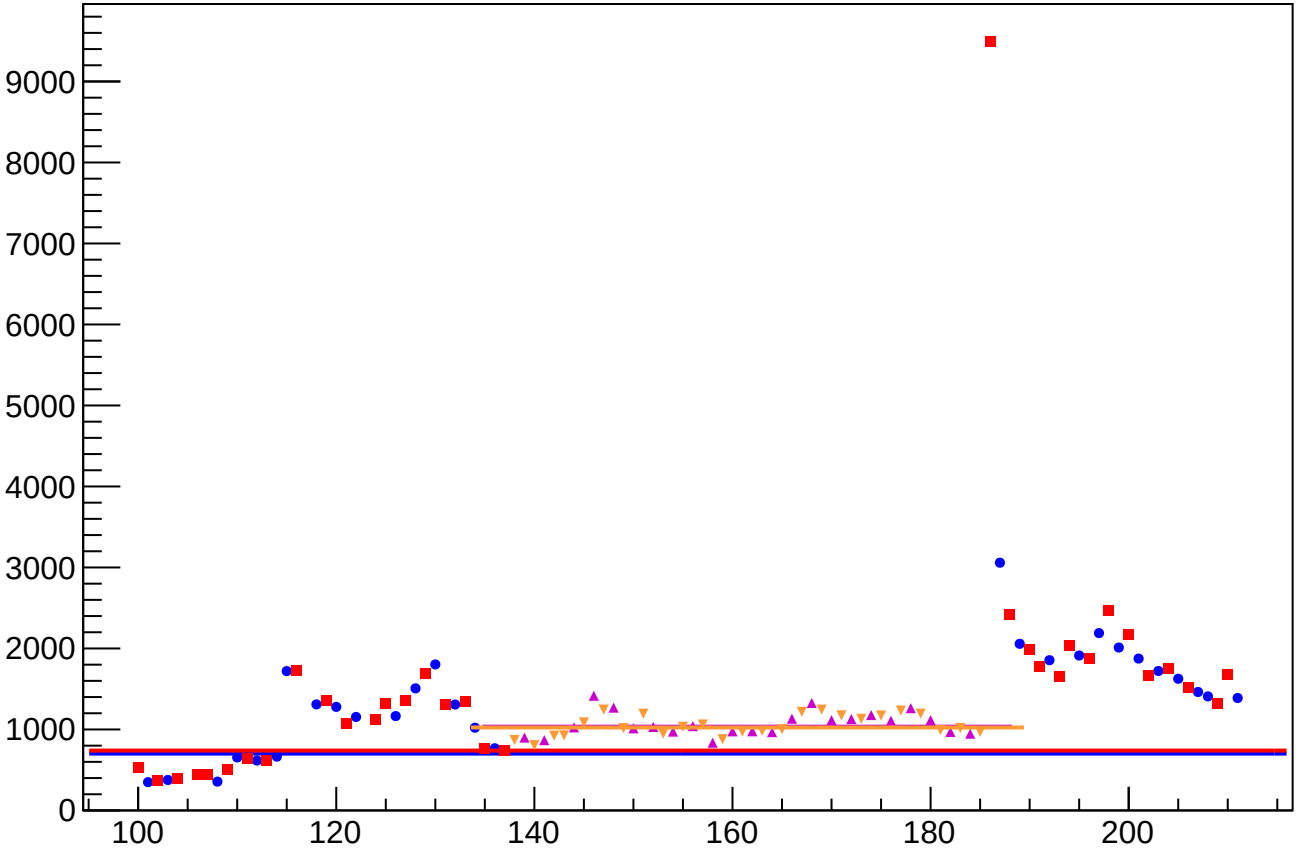
Left In: -39.197+/-244.156 χ^2/NDF:34.8/22

+ sign 374.314+/-158.044 χ^2/NDF: 63.3/52

All: 201.131+/-112.820 χ^2/NDF: 130.4/108

- sign 21.180+/-161.103 χ^2/NDF: 64.7/55

asym_sam6_reg_correction_rms vs Slug



Right In: 702.021+/-0.151 χ^2/NDF: 11368756.9/27

Left Out: 1024.493+/-0.166 χ^2/NDF:597629.4/24

Right Out: 739.419+/-0.152 χ^2/NDF: 12159057.9/32

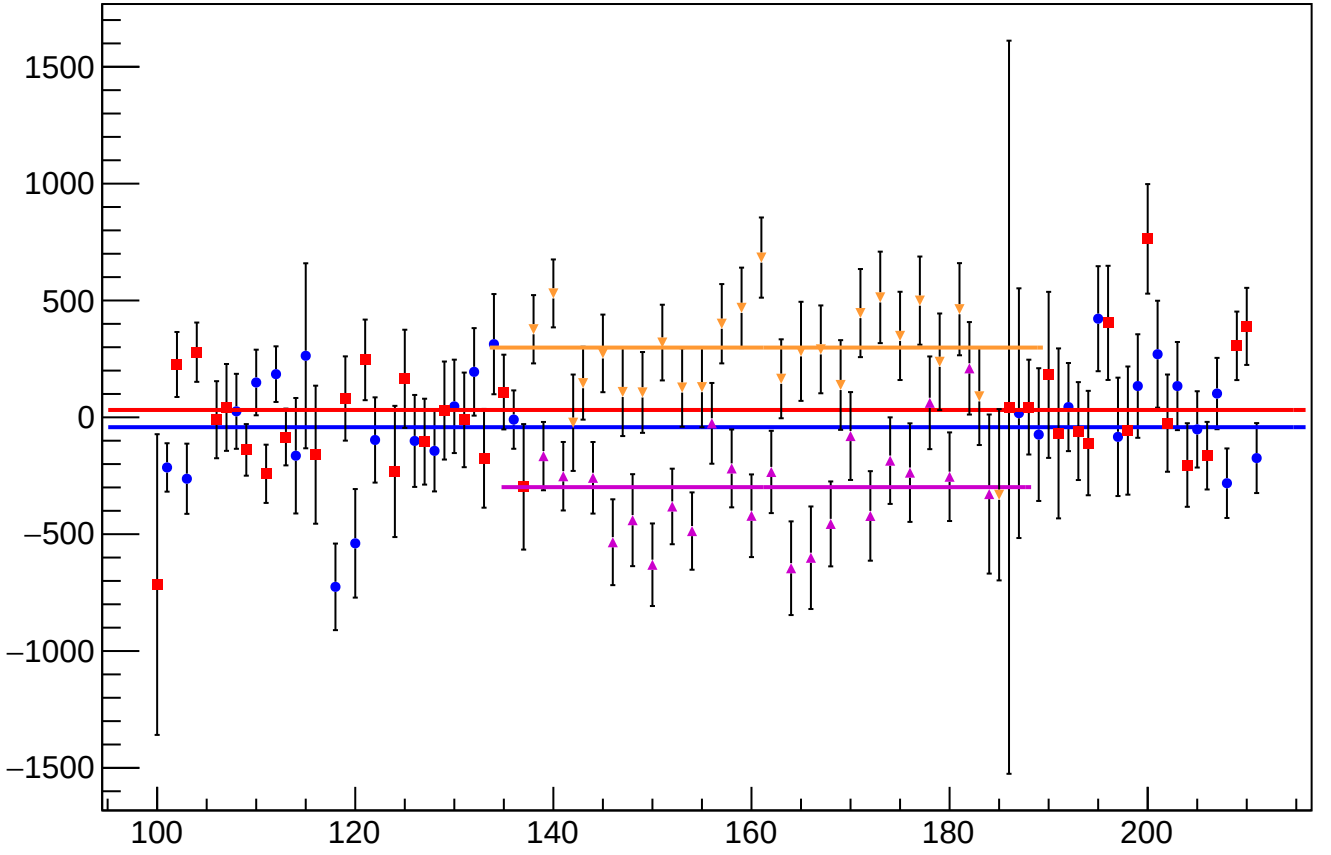
Left In: 1034.428+/-0.173 χ^2/NDF:628477.2/22

+ sign 847.770+/-0.112 χ^2/NDF: 14028774.6/52

All: 857.623+/-0.080 χ^2/NDF: 28480772.4/10

- sign 867.861+/-0.114 χ^2/NDF: 14436147.2/55

cor_asym_sam6_mean vs Slug



Right In: -42.148+/-33.077 χ^2/NDF: 46.9/27

Left Out: 298.518+/-36.051 χ^2/NDF:26.0/24

Right Out: 31.516+/-32.002 χ^2/NDF: 46.8/32

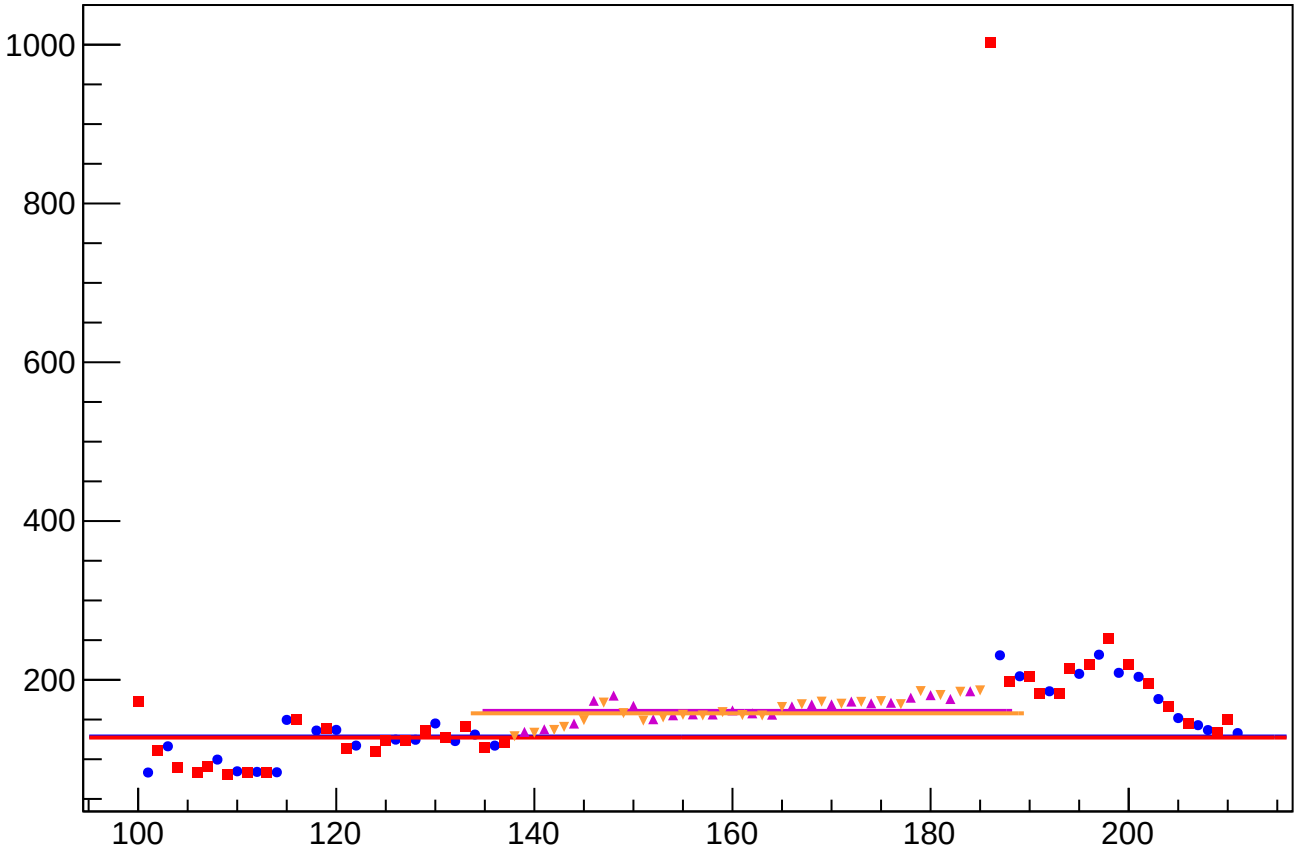
Left In: -298.682+/-37.727 χ^2/NDF:29.4/22

+ sign 113.560+/-24.373 χ^2/NDF: 121.4/52

All: 3.596+/-17.245 χ^2/NDF: 282.9/108

- sign -106.658+/-24.405 χ^2/NDF: 120.7/55

cor_asym_sam6_rms vs Slug



Right In: 128.619+/-0.023 χ^2/NDF: 2703478.4/27

Left Out: 157.836+/-0.025 χ^2/NDF:377205.2/24

Right Out: 127.318+/-0.023 χ^2/NDF: 4212827.9/32

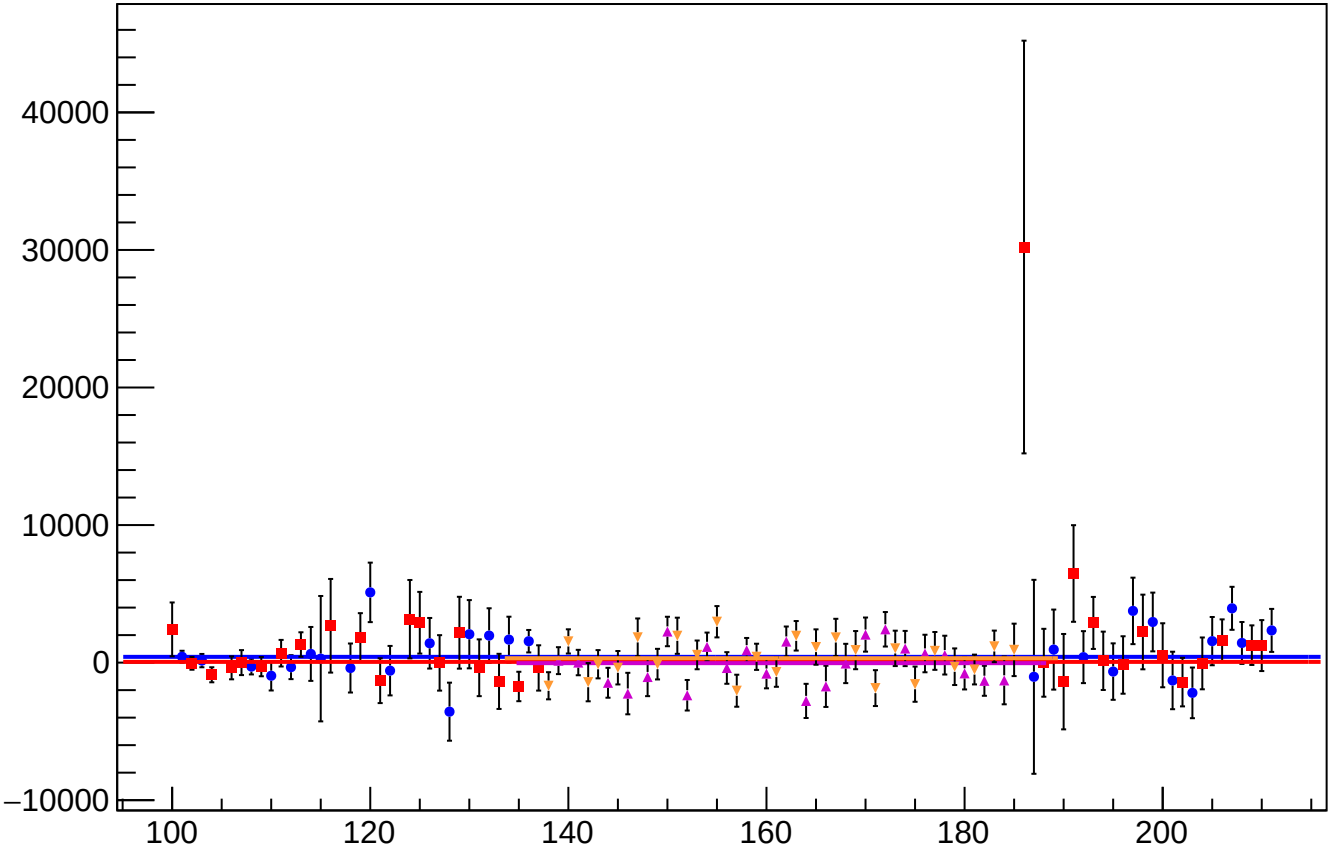
Left In: 160.874+/-0.027 χ^2/NDF:268330.7/22

+ sign 141.973+/-0.017 χ^2/NDF: 3793903.1/52

All: 141.667+/-0.012 χ^2/NDF: 9195843.6/108

- sign 141.360+/-0.017 χ^2/NDF: 5401307.7/55

asym_sam6_cor_correction_mean vs Slug



Right In: 419.264+/-213.485 χ^2/NDF: 30.7/27

Left Out: 319.953+/-235.084 χ^2/NDF:32.5/24

Right Out: 53.290+/-214.895 χ^2/NDF: 30.0/32

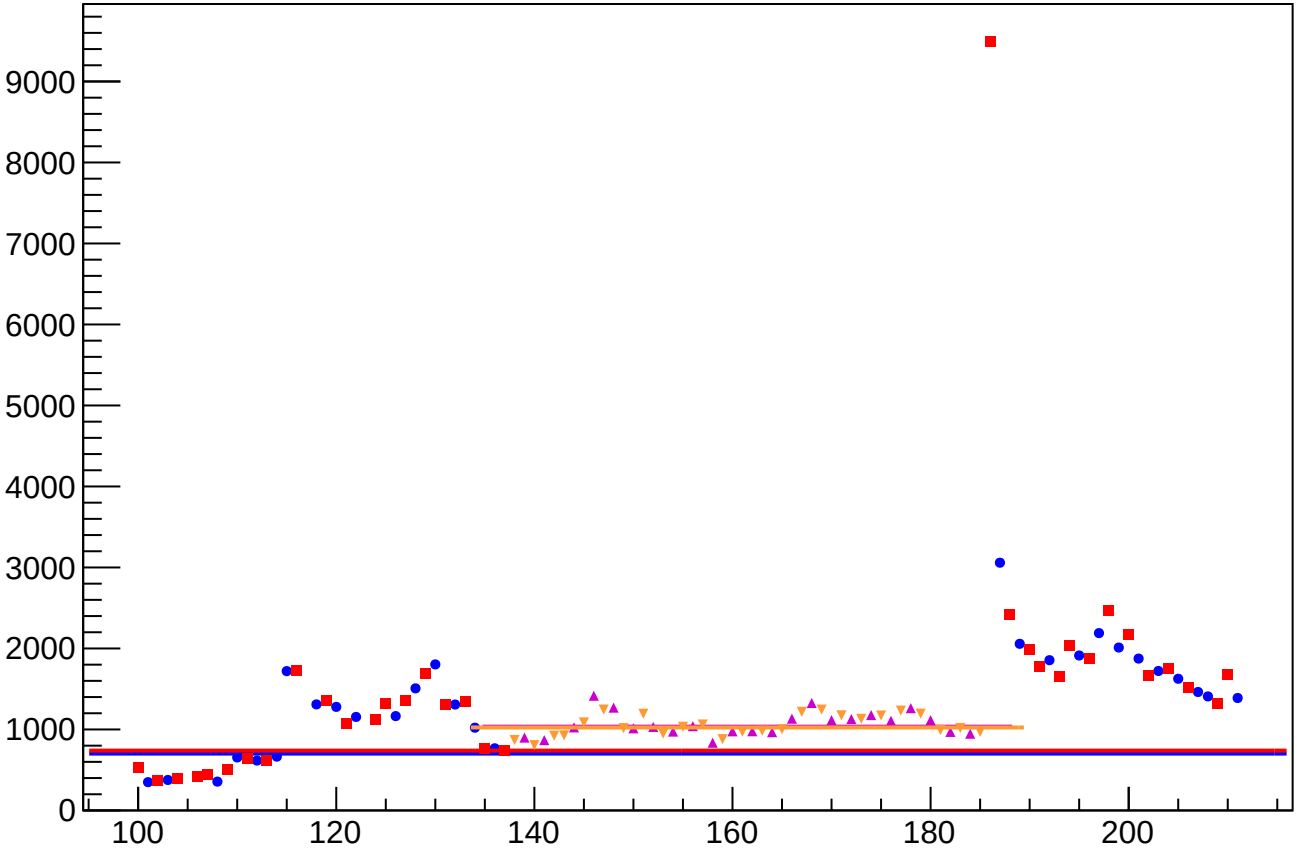
Left In: -39.198+/-244.156 χ^2/NDF:34.8/22

\+ sign 374.379+/-158.042 χ^2/NDF: 63.3/52

All: 197.349+/-112.891 χ^2/NDF: 130.7/108

\- sign 12.918+/-161.312 χ^2/NDF: 64.8/55

asym_sam6_cor_correction_rms vs Slug



Right In: 701.994+/-0.151 χ^2/NDF: 11369293.5/27

Left Out: 1024.493+/-0.166 χ^2/NDF:597629.0/24

Right Out: 738.890+/-0.152 χ^2/NDF: 12193176.5/32

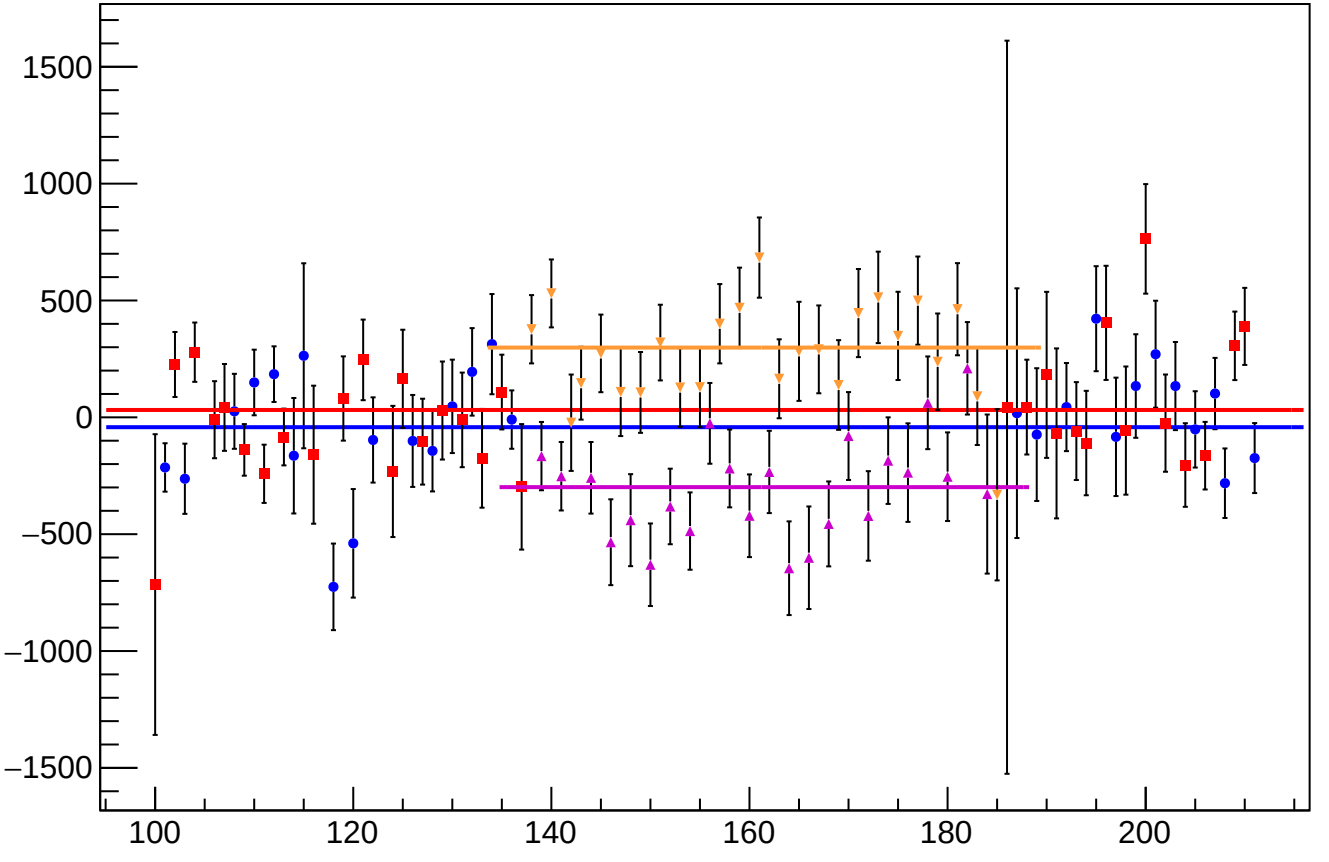
Left In: 1034.428+/-0.173 χ^2/NDF:628474.5/22

+ sign 847.751+/-0.112 χ^2/NDF: 14029711.6/52

All: 857.617+/-0.080 χ^2/NDF: 28518497.7/10

- sign 867.896+/-0.114 χ^2/NDF: 14472870.1/55

eigen_cor_asym_sam6_mean vs Slug



Right In: -42.148+/-33.077 χ^2/NDF: 46.9/27

Left Out: 298.518+/-36.051 χ^2/NDF:26.0/24

Right Out: 31.516+/-32.002 χ^2/NDF: 46.8/32

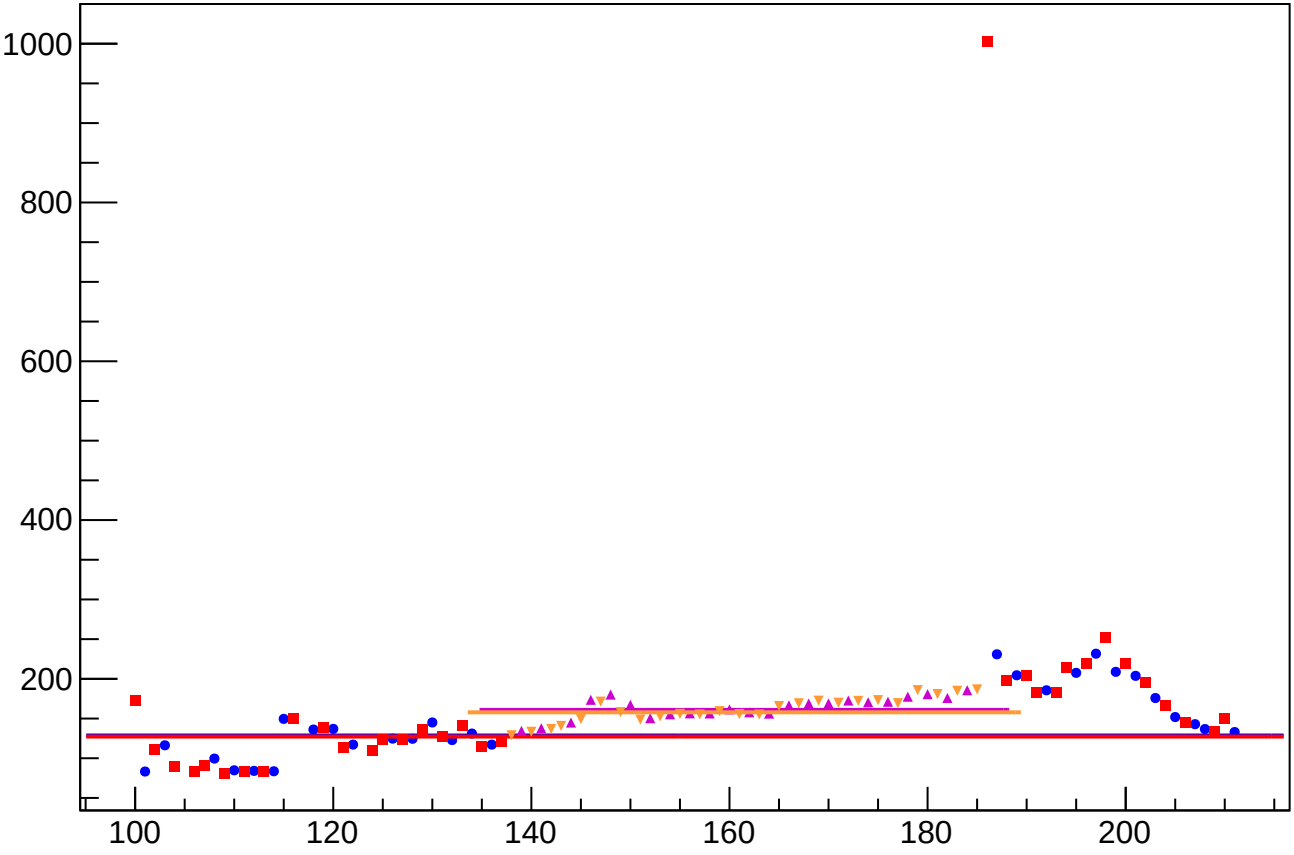
Left In: -298.682+/-37.727 χ^2/NDF:29.4/22

+ sign 113.560+/-24.373 χ^2/NDF: 121.4/52

All: 3.596+/-17.245 χ^2/NDF: 282.9/108

- sign -106.658+/-24.405 χ^2/NDF: 120.7/55

eigen_cor_asym_sam6_rms vs Slug



Right In: 128.619+/-0.023 χ^2/NDF: 2703478.4/27

Left Out: 157.836+/-0.025 χ^2/NDF:377205.2/24

Right Out: 127.318+/-0.023 χ^2/NDF: 4212827.9/32

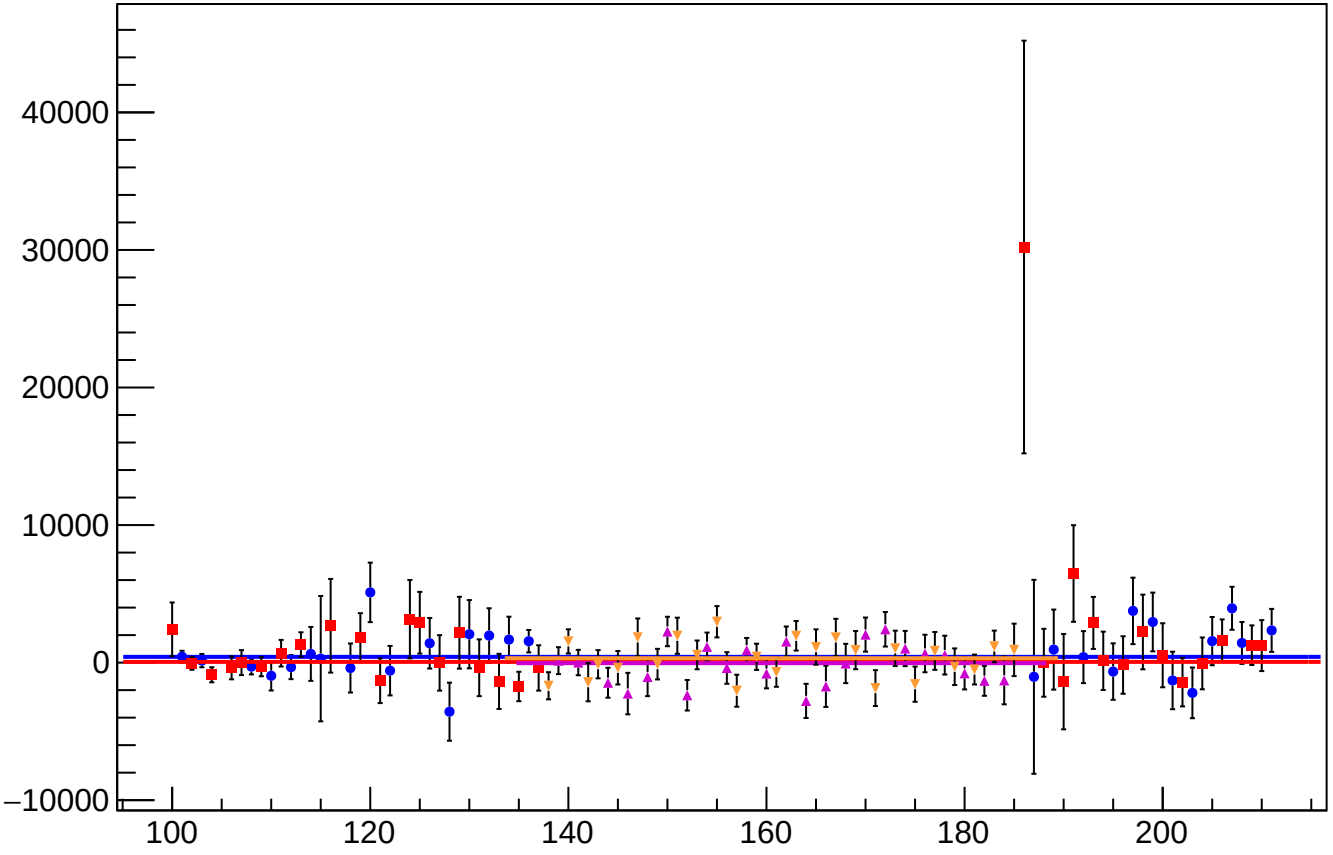
Left In: 160.874+/-0.027 χ^2/NDF:268330.7/22

+ sign 141.973+/-0.017 χ^2/NDF: 3793903.1/52

All: 141.667+/-0.012 χ^2/NDF: 9195843.6/108

- sign 141.360+/-0.017 χ^2/NDF: 5401307.7/55

asym_sam6_eigen_cor_correction_mean vs Slug



Right In: 419.264+/-213.485 χ^2/NDF: 30.7/27

Left Out: 319.953+/-235.084 χ^2/NDF:32.5/24

Right Out: 53.290+/-214.895 χ^2/NDF: 30.0/32

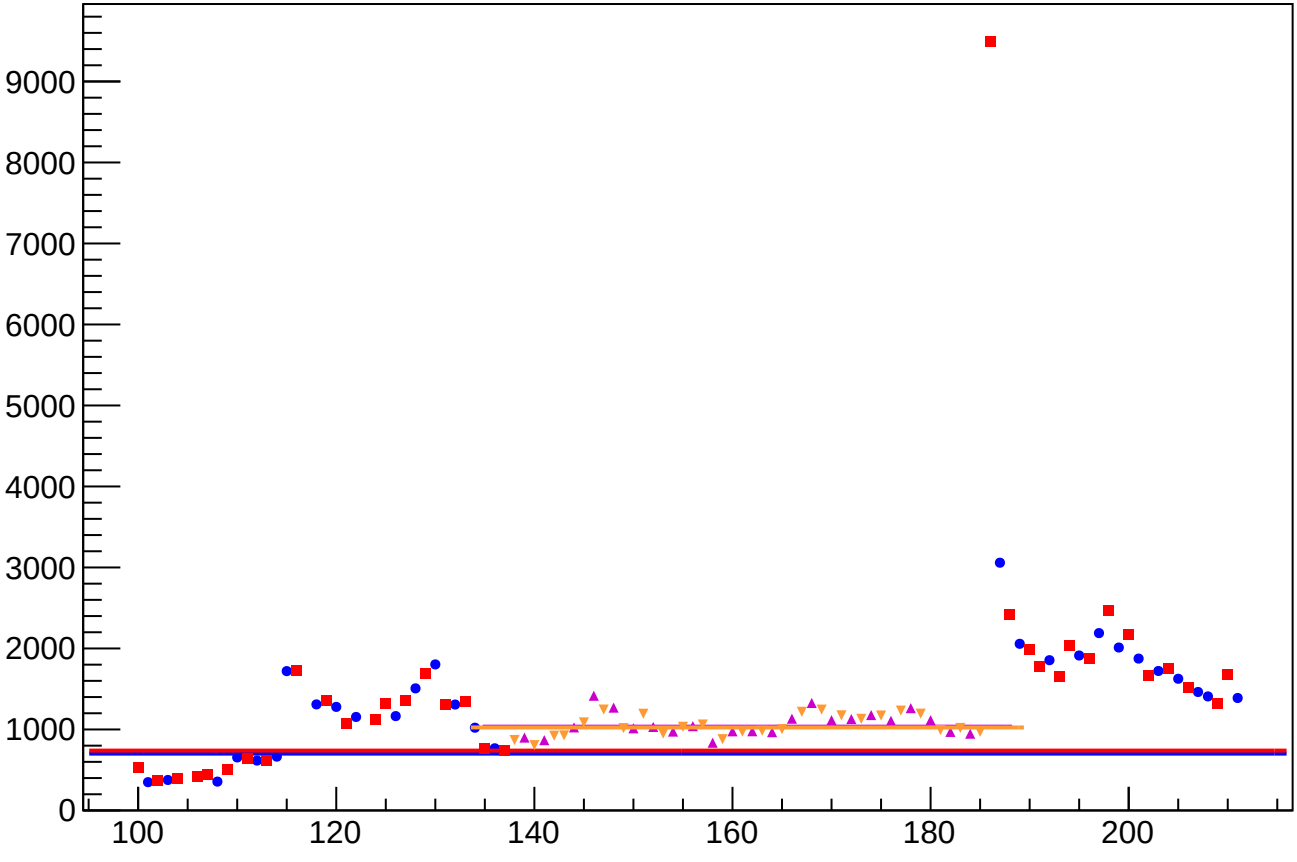
Left In: -39.198+/-244.156 χ^2/NDF:34.8/22

\+ sign 374.379+/-158.042 χ^2/NDF: 63.3/52

All: 197.349+/-112.891 χ^2/NDF: 130.7/108

\- sign 12.918+/-161.312 χ^2/NDF: 64.8/55

asym_sam6_eigen_cor_correction_rms vs Slug



Right In: 701.994+/-0.151 χ^2/NDF: 11369293.5/27

Left Out: 1024.493+/-0.166 χ^2/NDF:597629.0/24

Right Out: 738.890+/-0.152 χ^2/NDF: 12193176.5/32

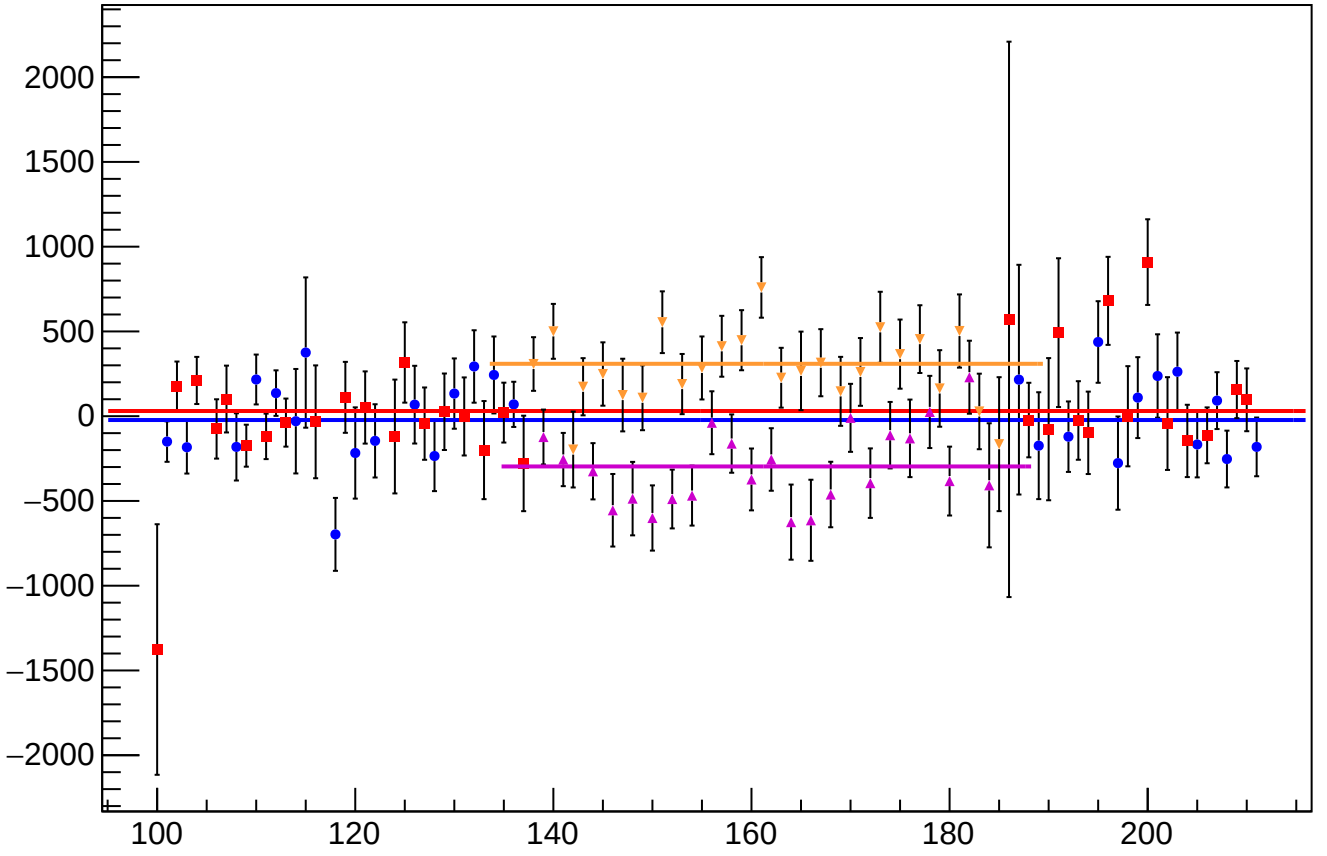
Left In: 1034.428+/-0.173 χ^2/NDF:628474.5/22

+ sign 847.751+/-0.112 χ^2/NDF: 14029711.6/52

All: 857.617+/-0.080 χ^2/NDF: 28518497.7/10

- sign 867.896+/-0.114 χ^2/NDF: 14472870.1/55

dit_asym_sam6_mean vs Slug



Right In: -22.633+/-37.158 χ^2/NDF: 36.0/27

Left Out: 309.031+/-38.901 χ^2/NDF:25.6/24

Right Out: 30.545+/-35.971 χ^2/NDF: 37.1/32

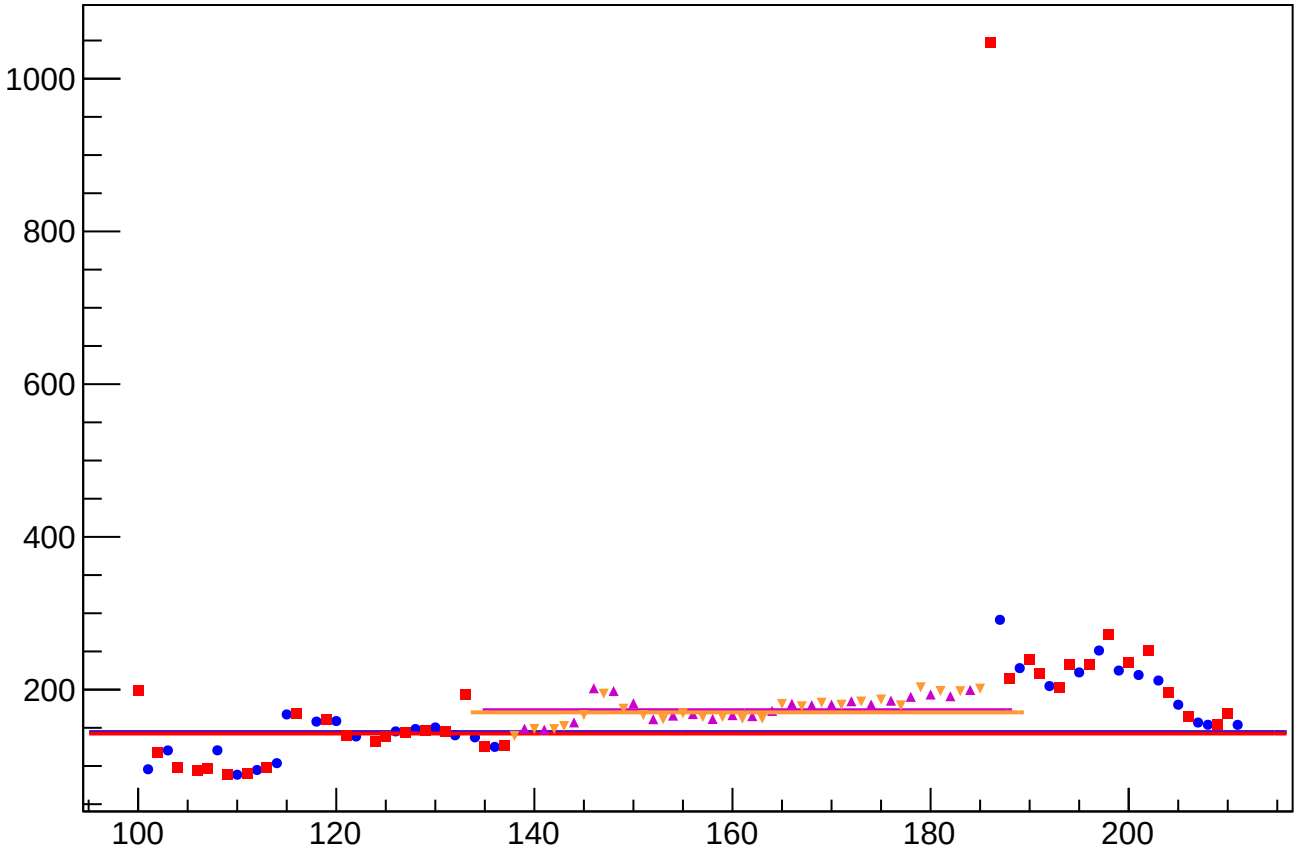
Left In: -296.497+/-40.607 χ^2/NDF:27.8/22

+ sign 135.602+/-26.869 χ^2/NDF: 99.5/52

All: 11.436+/-19.020 χ^2/NDF: 243.6/108

- sign -113.253+/-26.926 χ^2/NDF: 101.3/55

dit_asym_sam6_rms vs Slug



Right In: 144.304+/-0.026 χ^2/NDF: 2665789.4/27

Left Out: 170.240+/-0.028 χ^2/NDF:366302.5/24

Right Out: 142.558+/-0.025 χ^2/NDF: 4382262.7/32

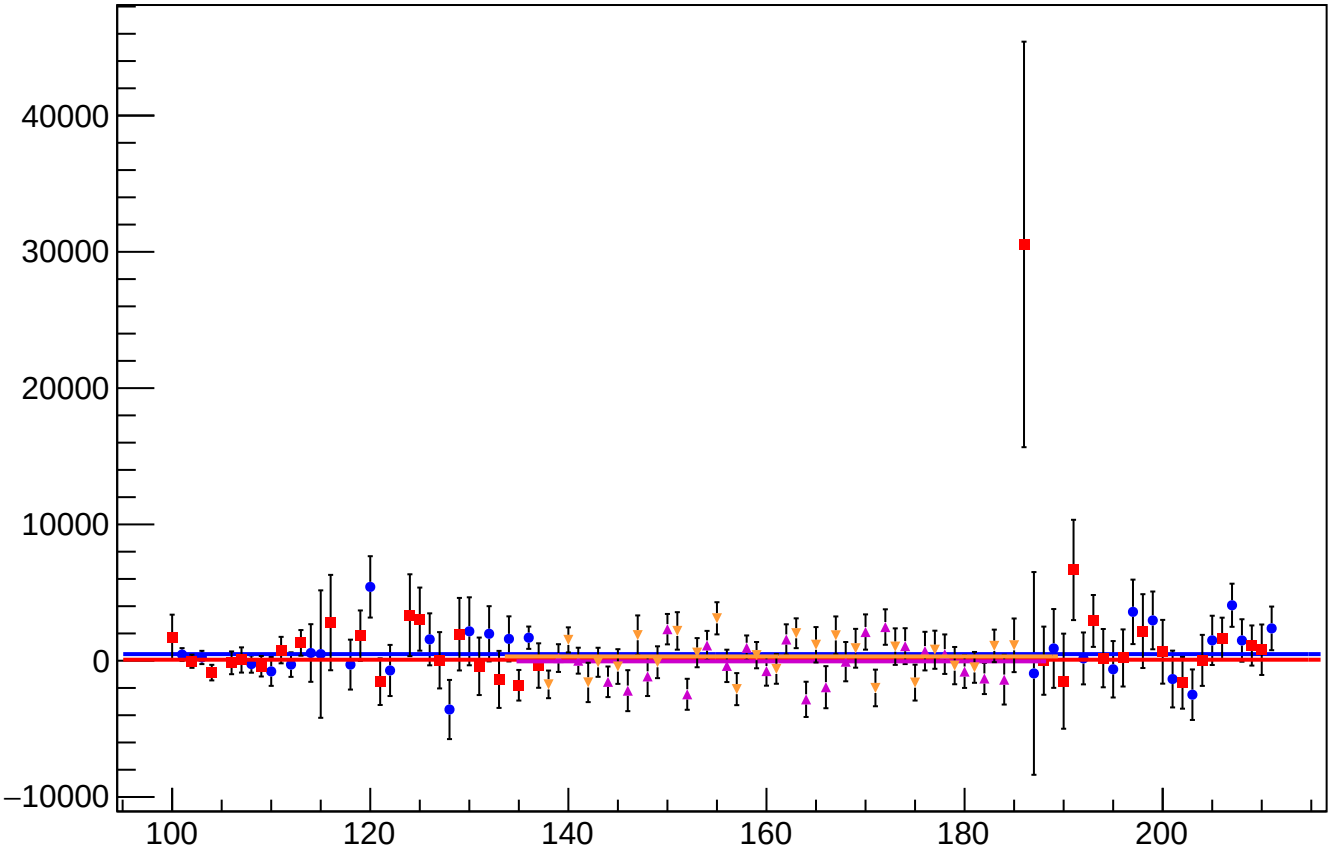
Left In: 173.024+/-0.029 χ^2/NDF:293702.8/22

+ sign 156.678+/-0.019 χ^2/NDF: 3496998.5/52

All: 156.317+/-0.013 χ^2/NDF: 8804461.5/108

- sign 155.954+/-0.019 χ^2/NDF: 5306738.0/55

asym_sam6_dit_correction_mean vs Slug



Right In: 483.539+/-222.393 χ^2/NDF: 30.6/27

Left Out: 313.641+/-242.402 χ^2/NDF:32.9/24

Right Out: 73.178+/-221.470 χ^2/NDF: 28.6/32

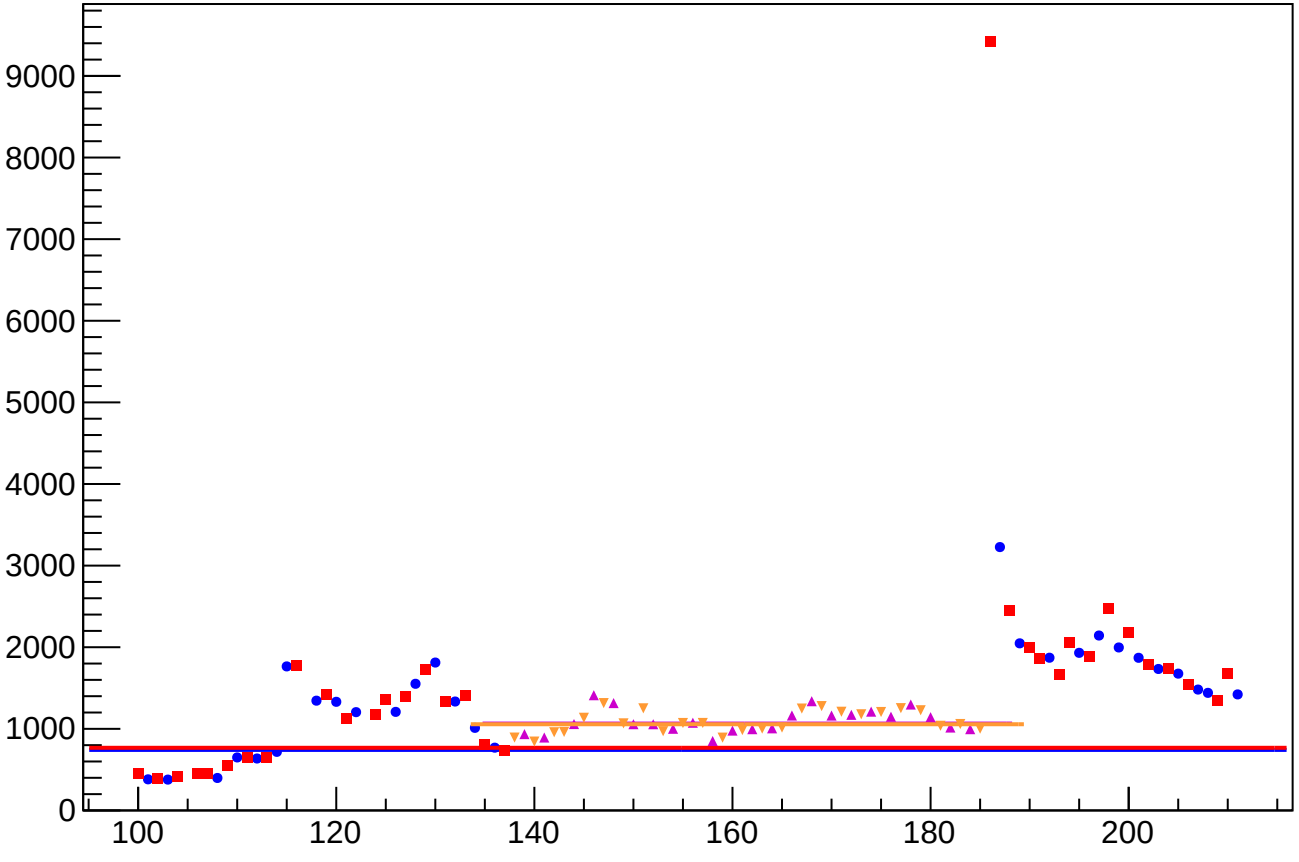
Left In: -47.231+/-251.252 χ^2/NDF:34.4/22

+ sign 405.890+/-163.874 χ^2/NDF: 63.8/52

All: 215.856+/-116.669 χ^2/NDF: 129.6/108

- sign 20.529+/-166.139 χ^2/NDF: 63.1/55

asym_sam6_dit_correction_rms vs Slug



Right In: 741.817+/-0.157 χ^2/NDF: 10777918.3/27

Left Out: 1056.328+/-0.171 χ^2/NDF:610710.4/24

Right Out: 767.768+/-0.157 χ^2/NDF: 11955434.7/32

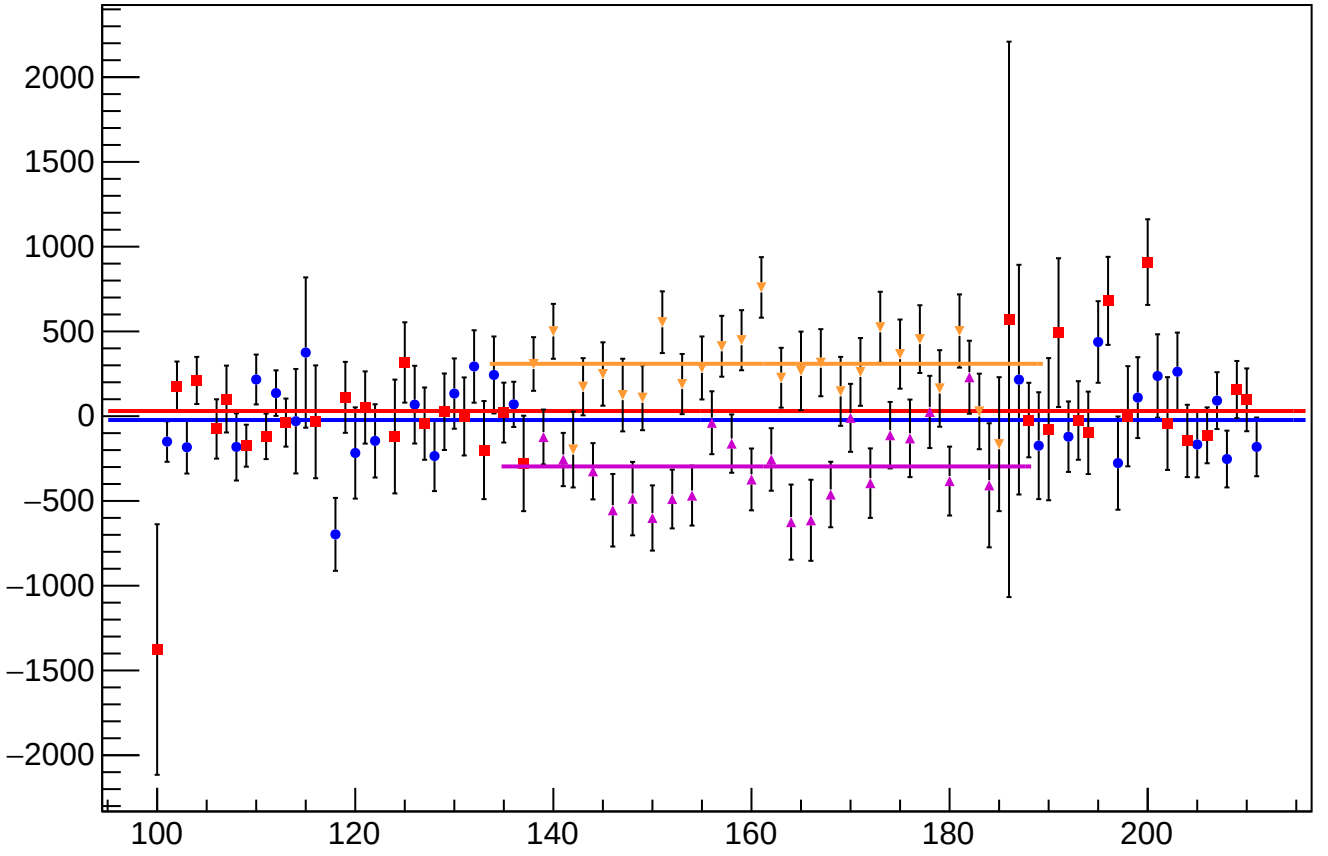
Left In: 1064.691+/-0.178 χ^2/NDF:611055.8/22

+ sign 885.558+/-0.116 χ^2/NDF: 13216751.3/52

All: 891.495+/-0.082 χ^2/NDF: 27360440.4/10

- sign 897.597+/-0.117 χ^2/NDF: 14138366.2/55

eigen_dit_asym_sam6_mean vs Slug



Right In: -22.635+/-37.157 χ^2/NDF: 36.0/27

Left Out: 309.032+/-38.901 χ^2/NDF:25.6/24

Right Out: 30.544+/-35.971 χ^2/NDF: 37.1/32

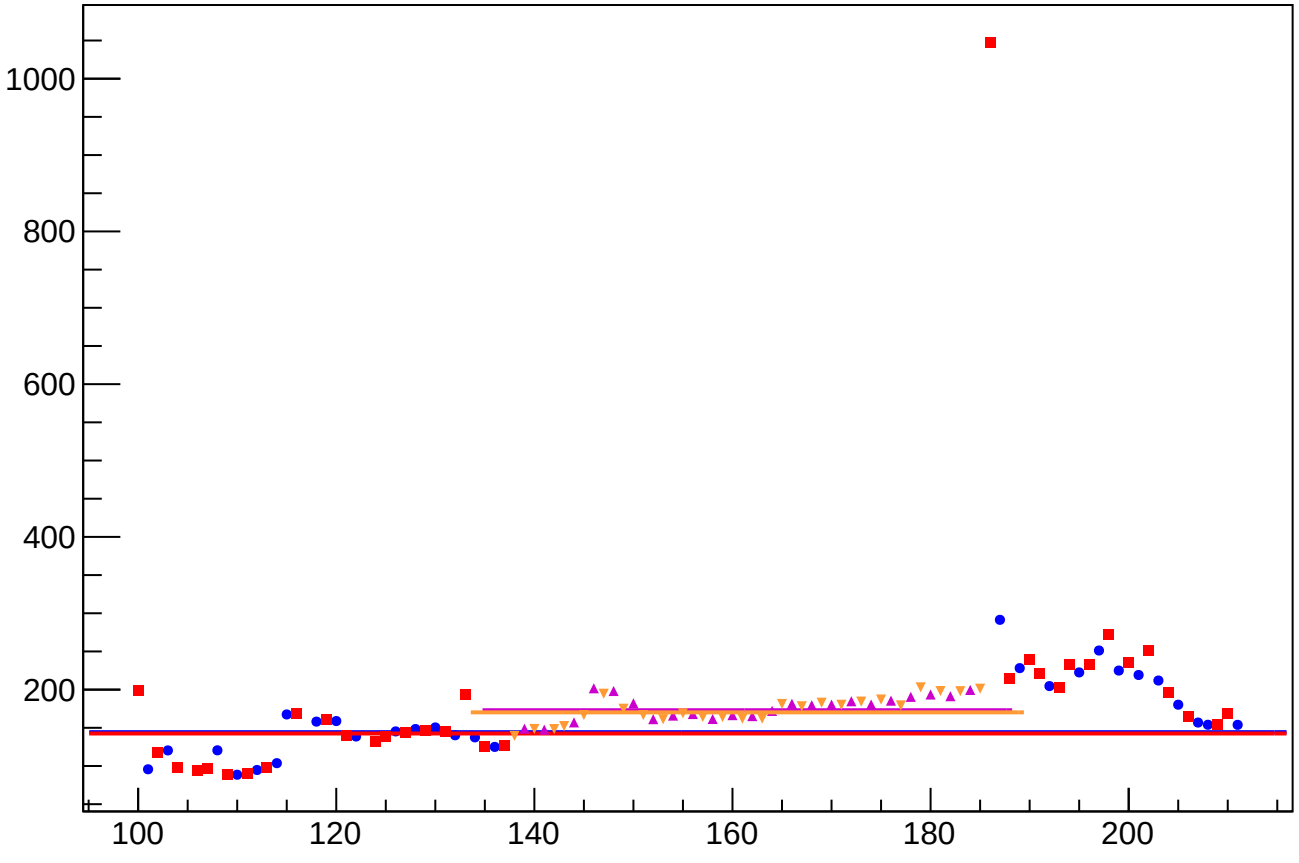
Left In: -296.497+/-40.607 χ^2/NDF:27.8/22

+ sign 135.602+/-26.869 χ^2/NDF: 99.5/52

All: 11.436+/-19.019 χ^2/NDF: 243.6/108

- sign -113.254+/-26.926 χ^2/NDF: 101.3/55

eigen_dit_asym_sam6_rms vs Slug



Right In: 144.303+/-0.026 χ^2/NDF: 2665807.9/27

Left Out: 170.240+/-0.028 χ^2/NDF:366303.1/24

Right Out: 142.558+/-0.025 χ^2/NDF: 4382269.5/32

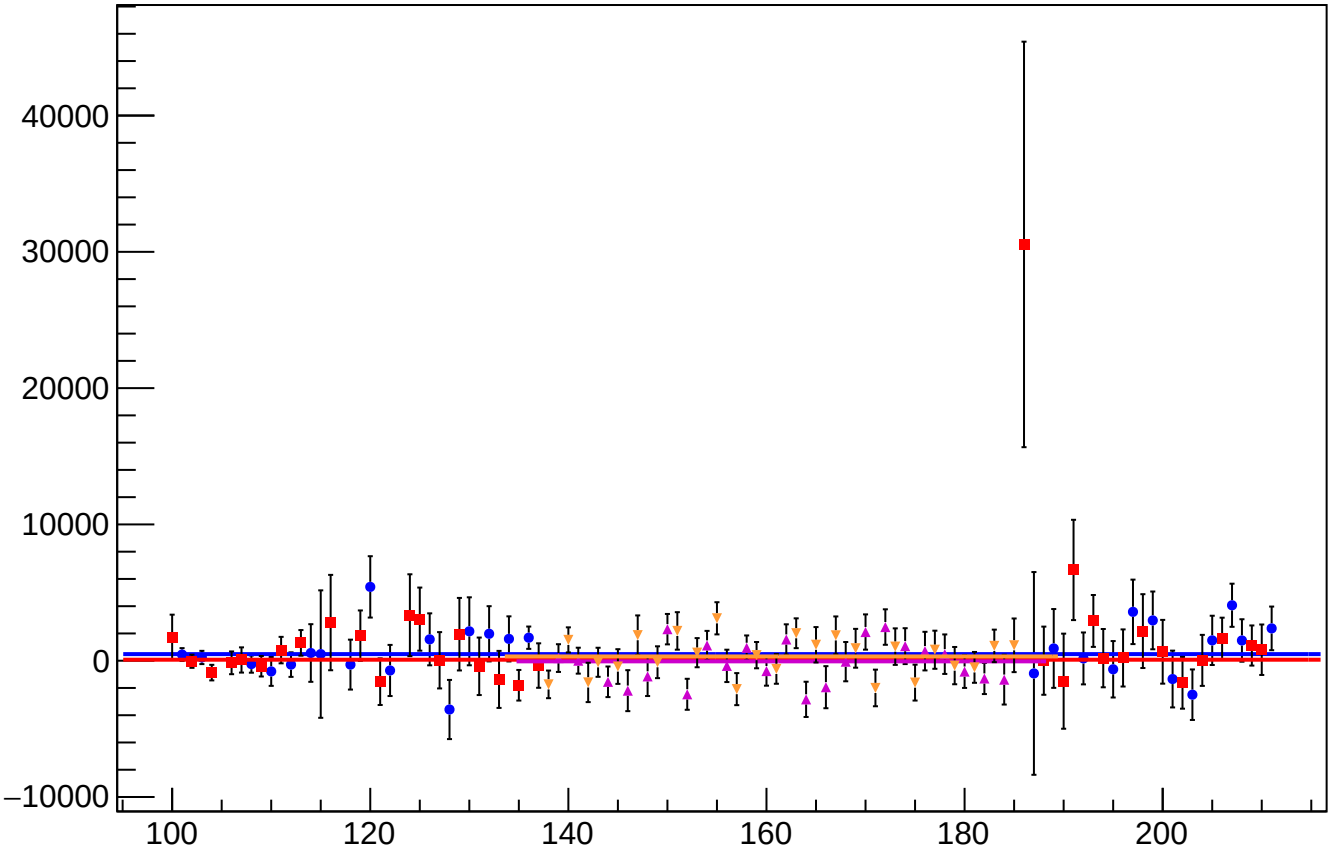
Left In: 173.023+/-0.029 χ^2/NDF:293703.4/22

+ sign 156.678+/-0.019 χ^2/NDF: 3497020.7/52

All: 156.316+/-0.013 χ^2/NDF: 8804494.2/108

- sign 155.953+/-0.019 χ^2/NDF: 5306748.6/55

asym_sam6_eigen_dit_correction_mean vs Slug



Right In: 483.538+/-222.393 χ^2/NDF: 30.6/27

Left Out: 313.641+/-242.402 χ^2/NDF:32.9/24

Right Out: 73.177+/-221.470 χ^2/NDF: 28.6/32

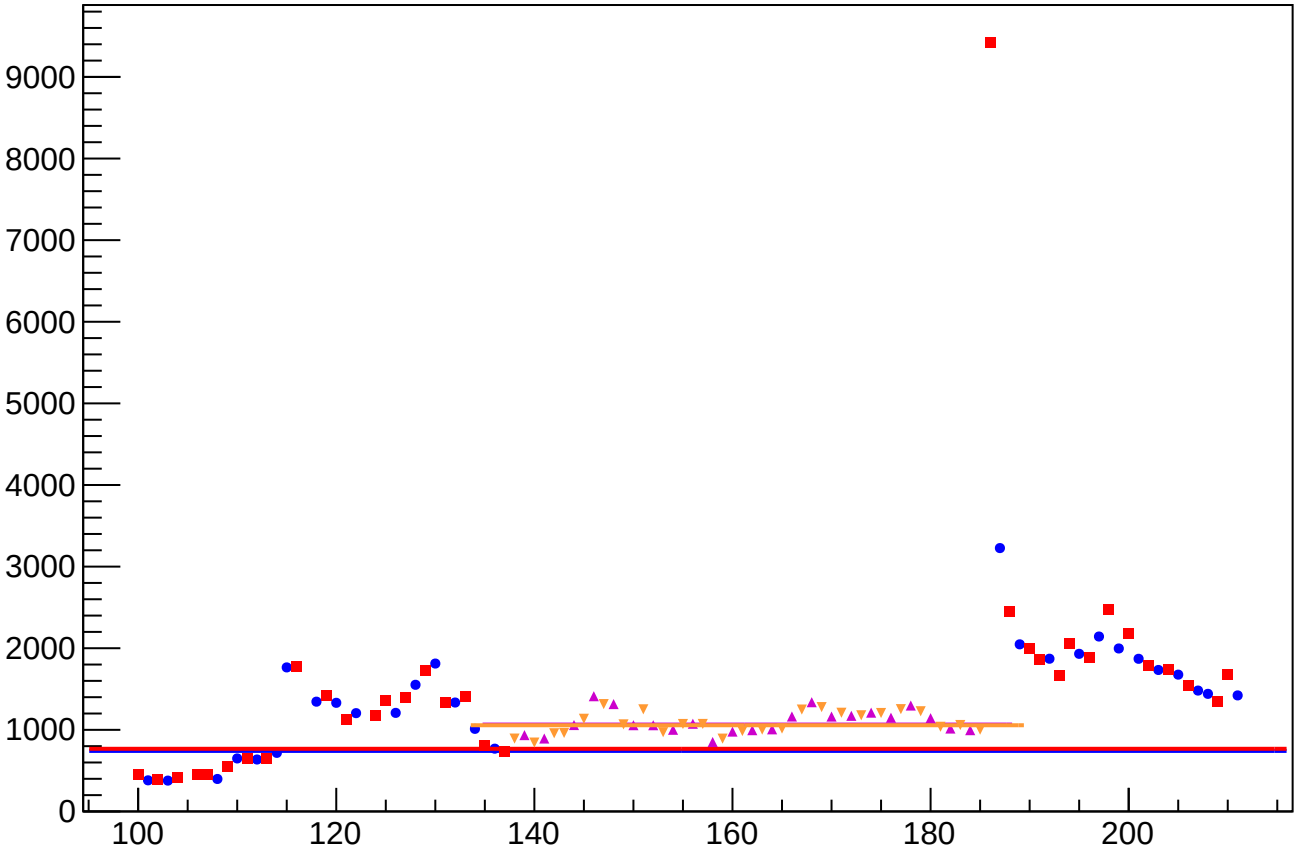
Left In: -47.231+/-251.252 χ^2/NDF:34.4/22

+ sign 405.890+/-163.874 χ^2/NDF: 63.8/52

All: 215.855+/-116.669 χ^2/NDF: 129.6/108

- sign 20.529+/-166.139 χ^2/NDF: 63.1/55

asym_sam6_eigen_dit_correction_rms vs Slug



Right In: 741.816+/-0.157 χ^2/NDF: 10777931.3/27

Left Out: 1056.328+/-0.171 χ^2/NDF:610715.5/24

Right Out: 767.767+/-0.157 χ^2/NDF: 11955438.5/32

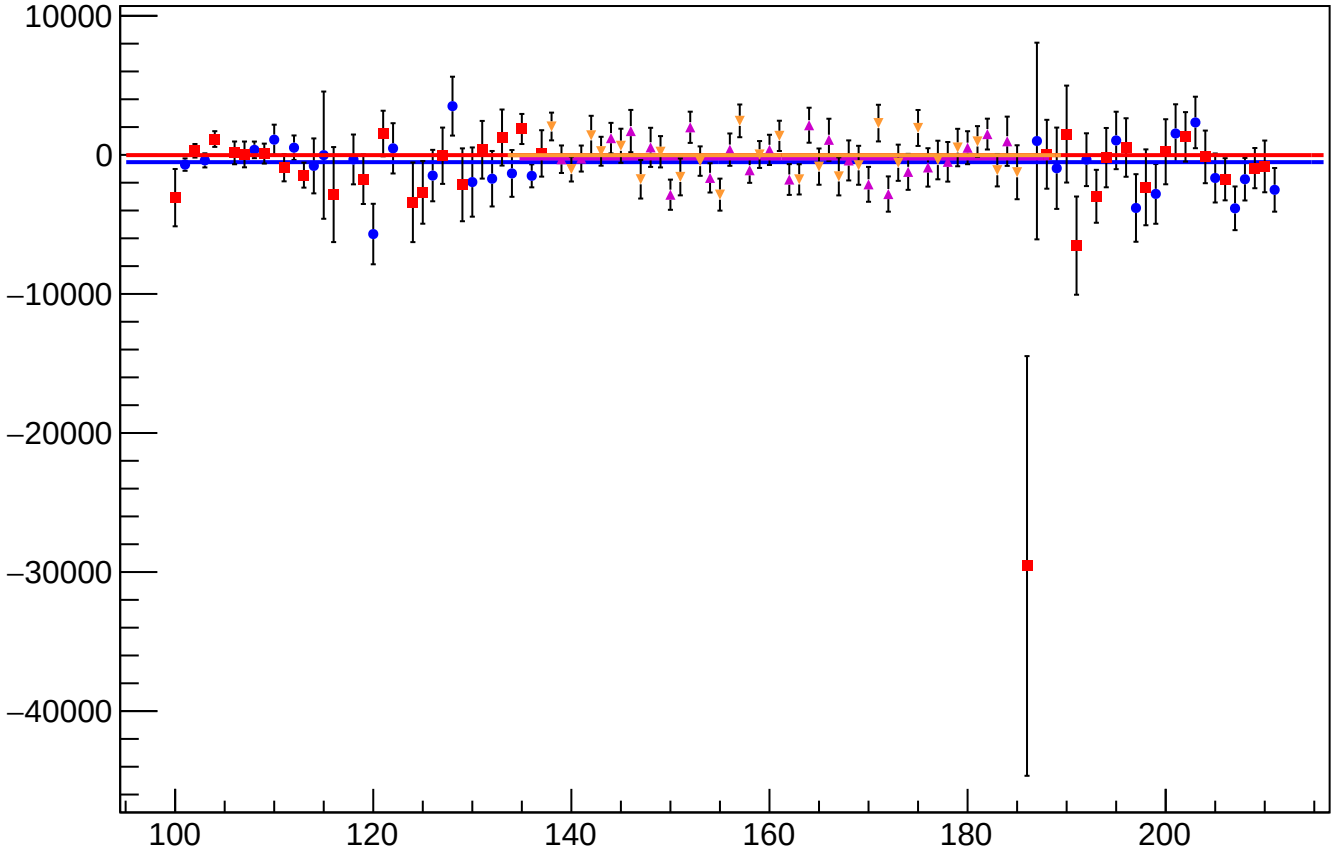
Left In: 1064.691+/-0.178 χ^2/NDF:611059.3/22

+ sign 885.557+/-0.116 χ^2/NDF: 13216784.0/52

All: 891.494+/-0.082 χ^2/NDF: 27360488.3/10

- sign 897.596+/-0.117 χ^2/NDF: 14138381.3/55

asym_sam6_mean vs Slug



Right In: -522.269+/-219.068 χ^2/NDF: 32.4/27

Left Out: -21.861+/-237.972 χ^2/NDF:34.5/24

Right Out: -17.364+/-219.350 χ^2/NDF: 32.9/32

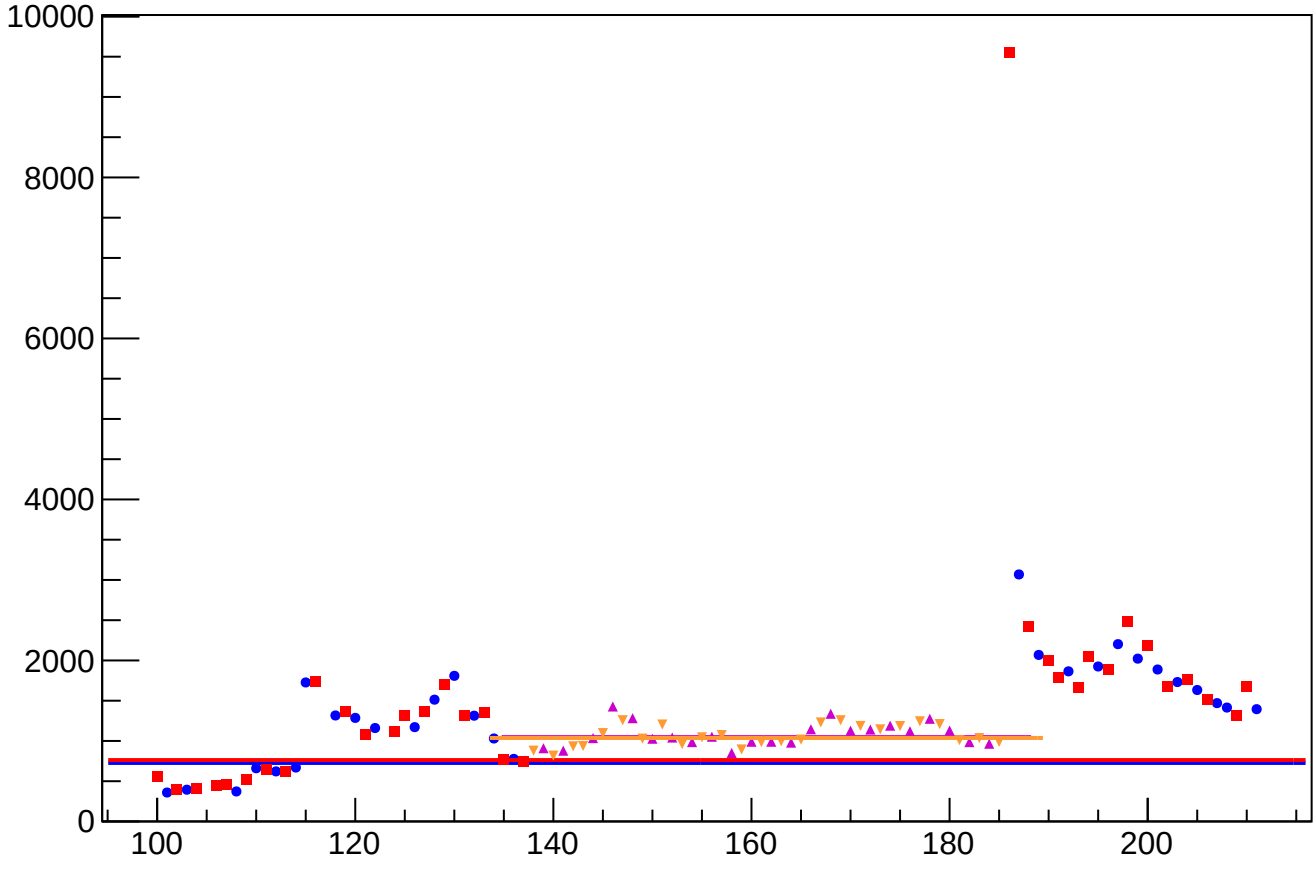
Left In: -255.399+/-247.203 χ^2/NDF:33.6/22

+ sign -292.728+/-161.174 χ^2/NDF: 69.3/52

All: -208.994+/-114.978 χ^2/NDF: 136.8/108

- sign -122.222+/-164.071 χ^2/NDF: 66.9/55

asym_sam6_rms vs Slug



Right In: 727.007+/-0.155 χ^2/NDF: 10963445.9/27

Left Out: 1037.324+/-0.168 χ^2/NDF:585511.9/24

Right Out: 762.539+/-0.155 χ^2/NDF: 11790915.7/32

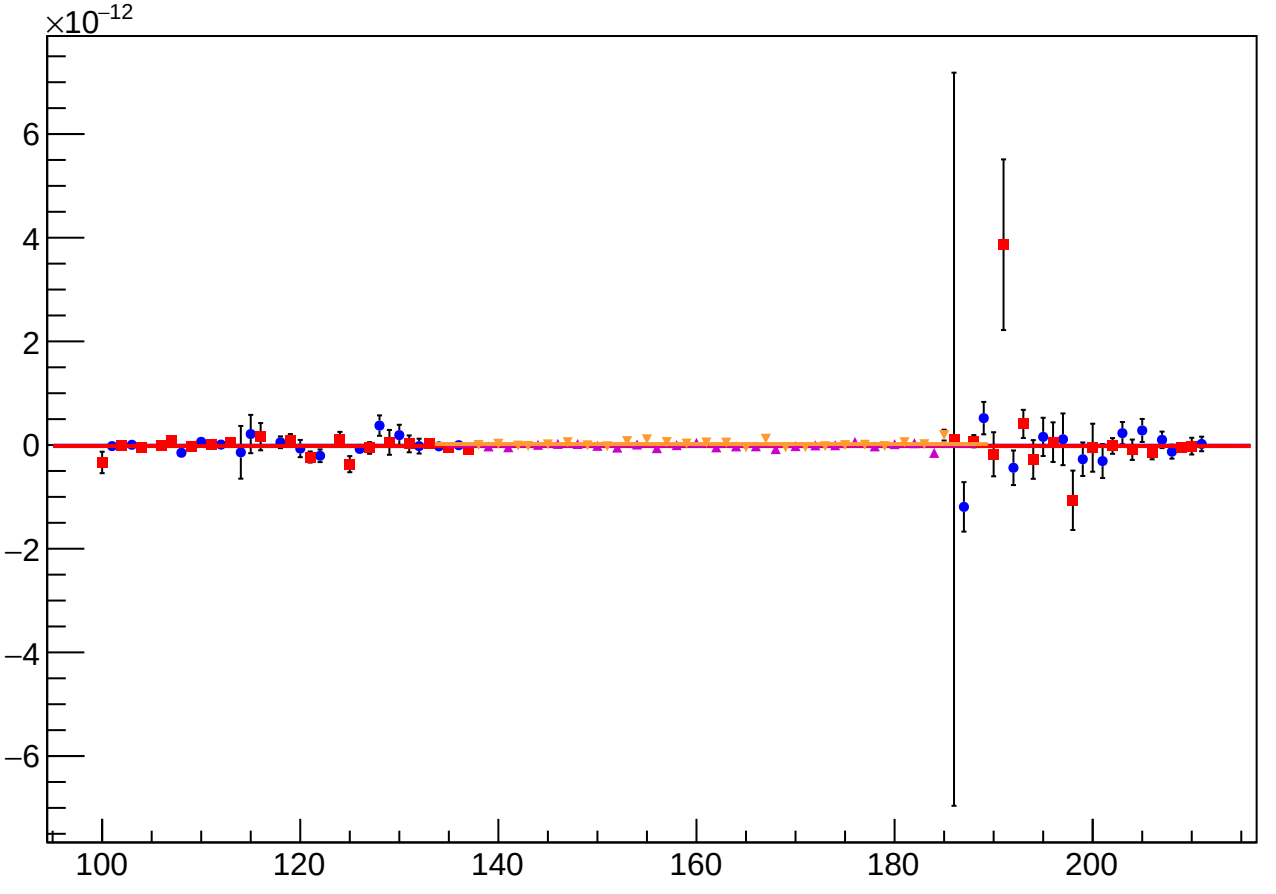
Left In: 1047.629+/-0.175 χ^2/NDF:613357.0/22

+ sign 869.352+/-0.114 χ^2/NDF: 13389820.3/52

All: 878.571+/-0.081 χ^2/NDF: 27295677.6/10

- sign 888.125+/-0.116 χ^2/NDF: 13892532.8/55

asym_sam6_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 32.6/27

Left Out: 0.000+/-0.000 χ^2/NDF:30.0/24

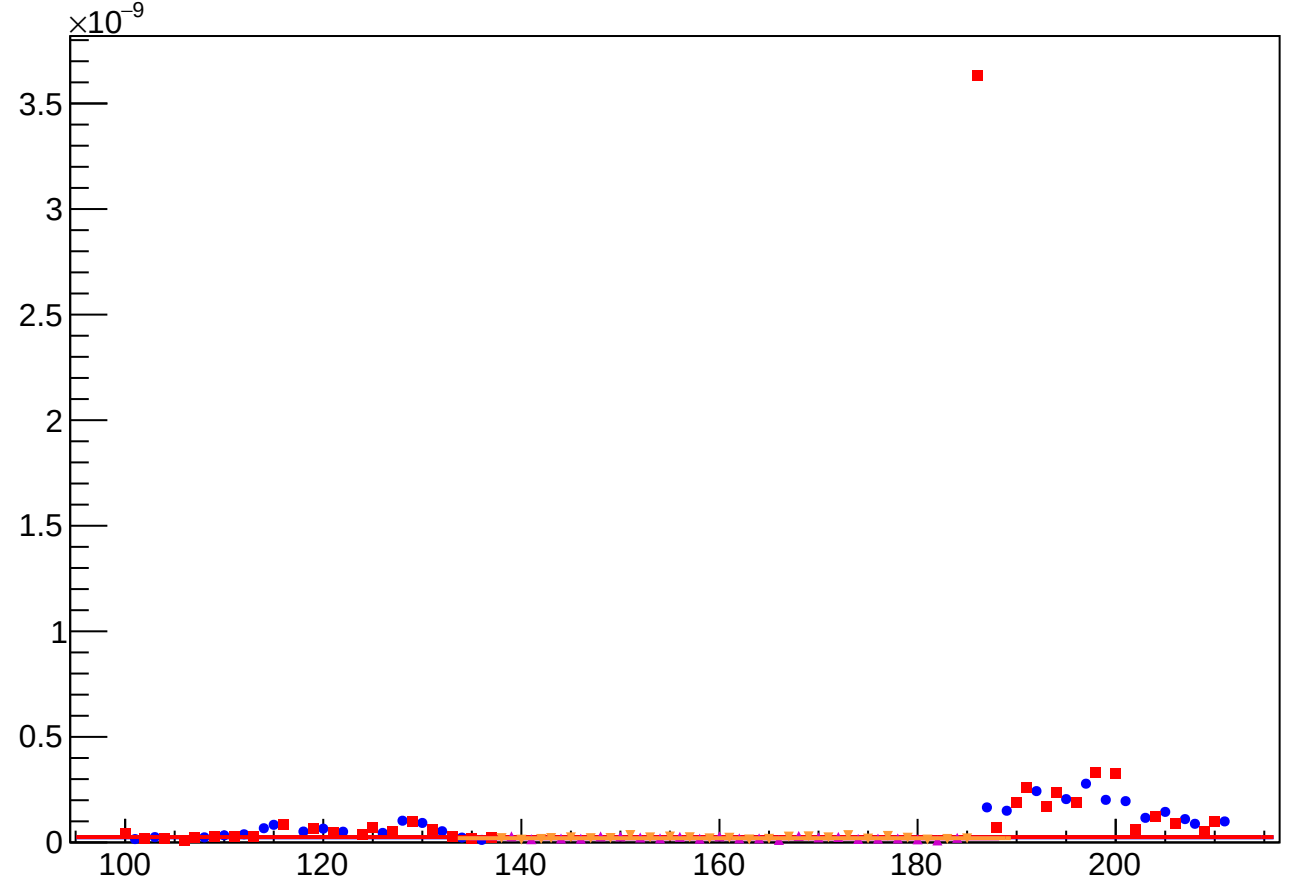
Right Out: -0.000+/-0.000 χ^2/NDF: 33.5/32

Left In: -0.000+/-0.000 χ^2/NDF:18.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 67.3/52

All: 0.000+/-0.000 χ^2/NDF: 125.1/108

- sign -0.000+/-0.000 χ^2/NDF: 52.9/55



Right In: 0.000+/-0.000 χ^2/NDF: 8295006.3/27

Left Out: 0.000+/-0.000 χ^2/NDF:993542.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7879798.6/32

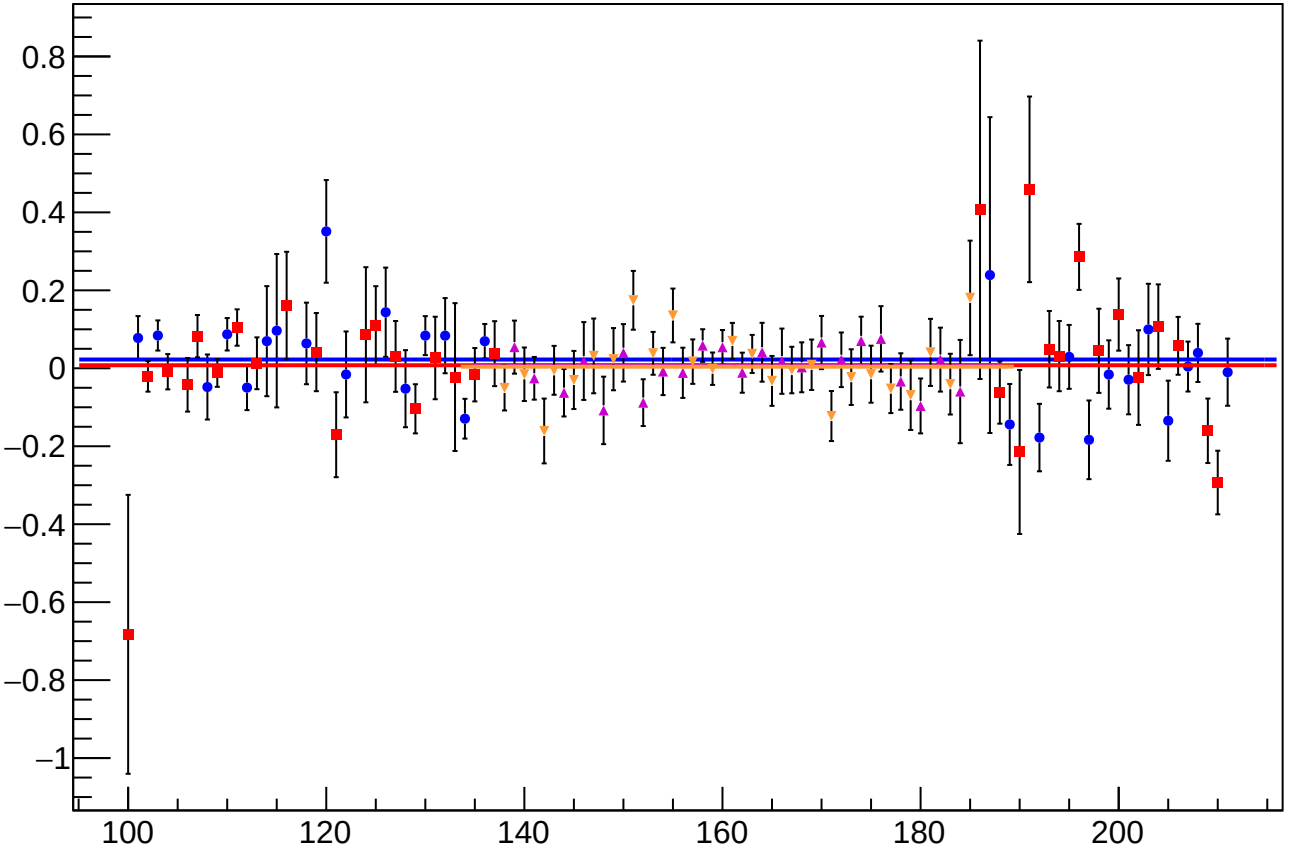
Left In: 0.000+/-0.000 χ^2/NDF:1048721.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 9450713.4/52

All: 0.000+/-0.000 χ^2/NDF: 18725429.2/108

- sign 0.000+/-0.000 χ^2/NDF: 9269308.5/55

asym_sam6_dit_vs_cor_diff_mean vs Slug



Right In: 0.023+/-0.014 χ^2/NDF: 44.5/27

Left Out: 0.004+/-0.013 χ^2/NDF:24.8/24

Right Out: 0.008+/-0.013 χ^2/NDF: 58.7/32

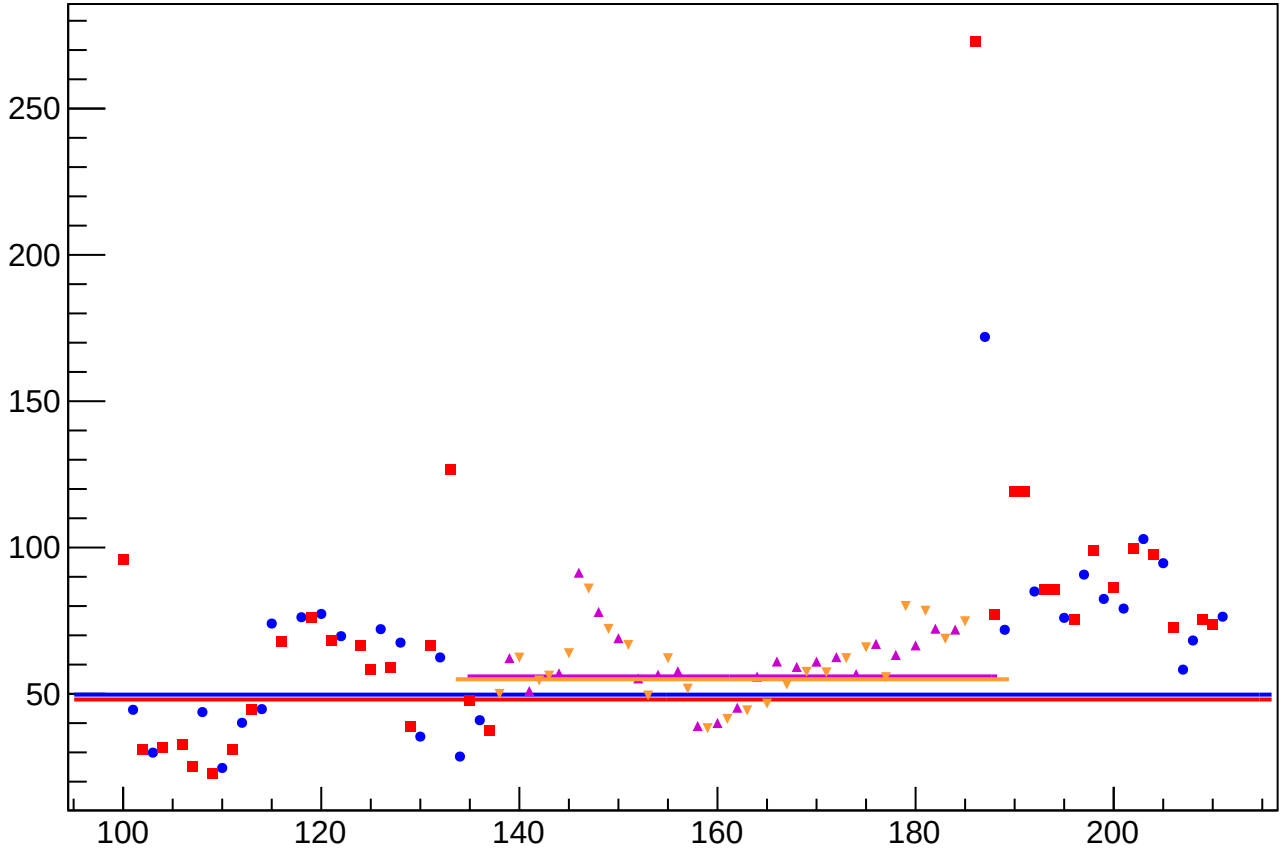
Left In: 0.007+/-0.014 χ^2/NDF:15.1/22

+ sign 0.013+/-0.009 χ^2/NDF: 70.3/52

All: 0.010+/-0.007 χ^2/NDF: 144.2/108

- sign 0.008+/-0.009 χ^2/NDF: 73.7/55

asym_sam6_dit_vs_cor_diff_rms vs Slug



Right In: 49.739+/-0.010 χ^2/NDF: 5190153.8/27

Left Out: 54.986+/-0.009 χ^2/NDF:1566844.0/24

Right Out: 48.072+/-0.009 χ^2/NDF: 7486807.3/32

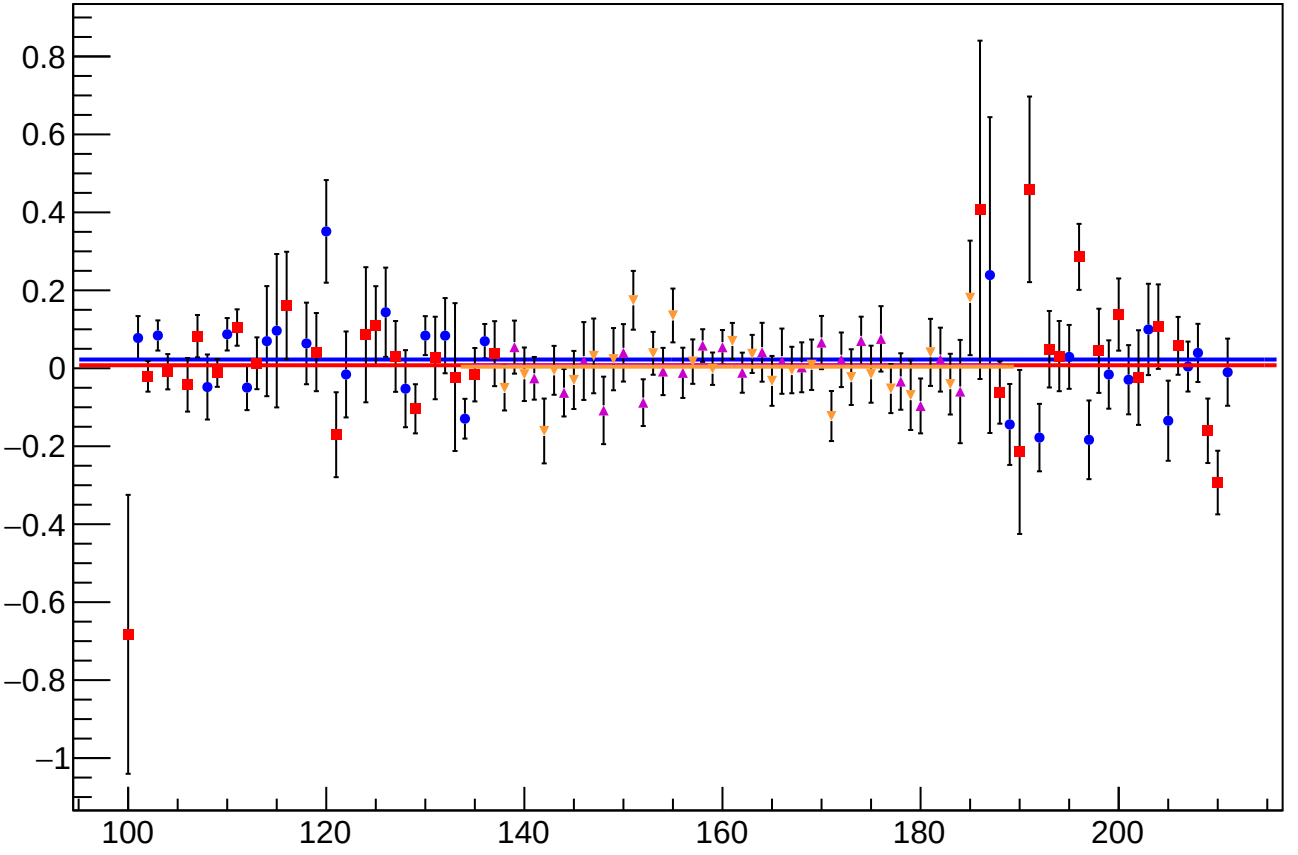
Left In: 55.956+/-0.010 χ^2/NDF:1406142.1/22

+ sign 52.502+/-0.007 χ^2/NDF: 6912357.2/52

All: 52.205+/-0.005 χ^2/NDF: 16158841.8/108

- sign 51.905+/-0.007 χ^2/NDF: 9242468.7/55

asym_sam6_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.023+/-0.014 χ^2/NDF: 44.5/27

Left Out: 0.004+/-0.013 χ^2/NDF:24.8/24

Right Out: 0.008+/-0.013 χ^2/NDF: 58.7/32

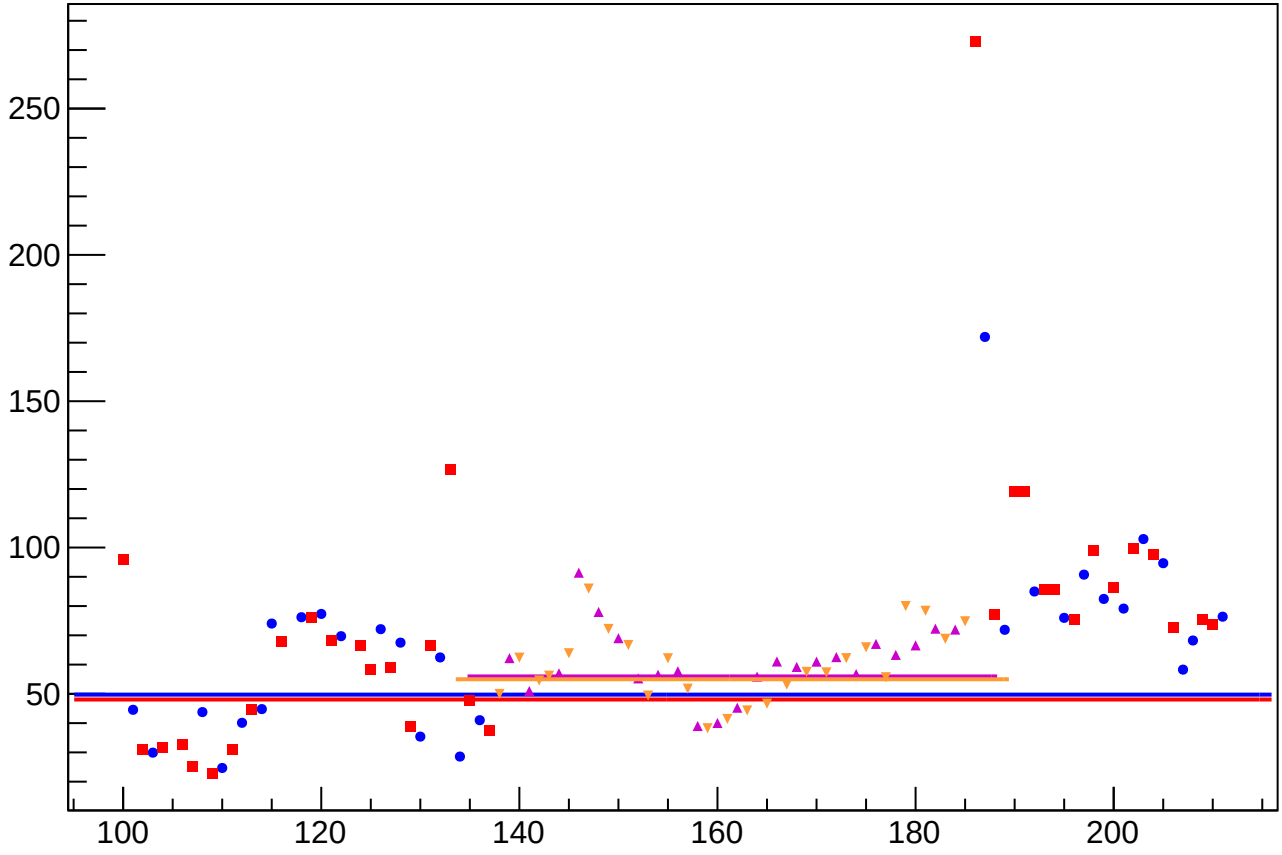
Left In: 0.007+/-0.014 χ^2/NDF:15.1/22

+ sign 0.013+/-0.009 χ^2/NDF: 70.3/52

All: 0.010+/-0.007 χ^2/NDF: 144.2/108

- sign 0.008+/-0.009 χ^2/NDF: 73.7/55

asym_sam6_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 49.739+/-0.010 χ^2/NDF: 5190153.8/27

Left Out: 54.986+/-0.009 χ^2/NDF:1566844.0/24

Right Out: 48.072+/-0.009 χ^2/NDF: 7486807.3/32

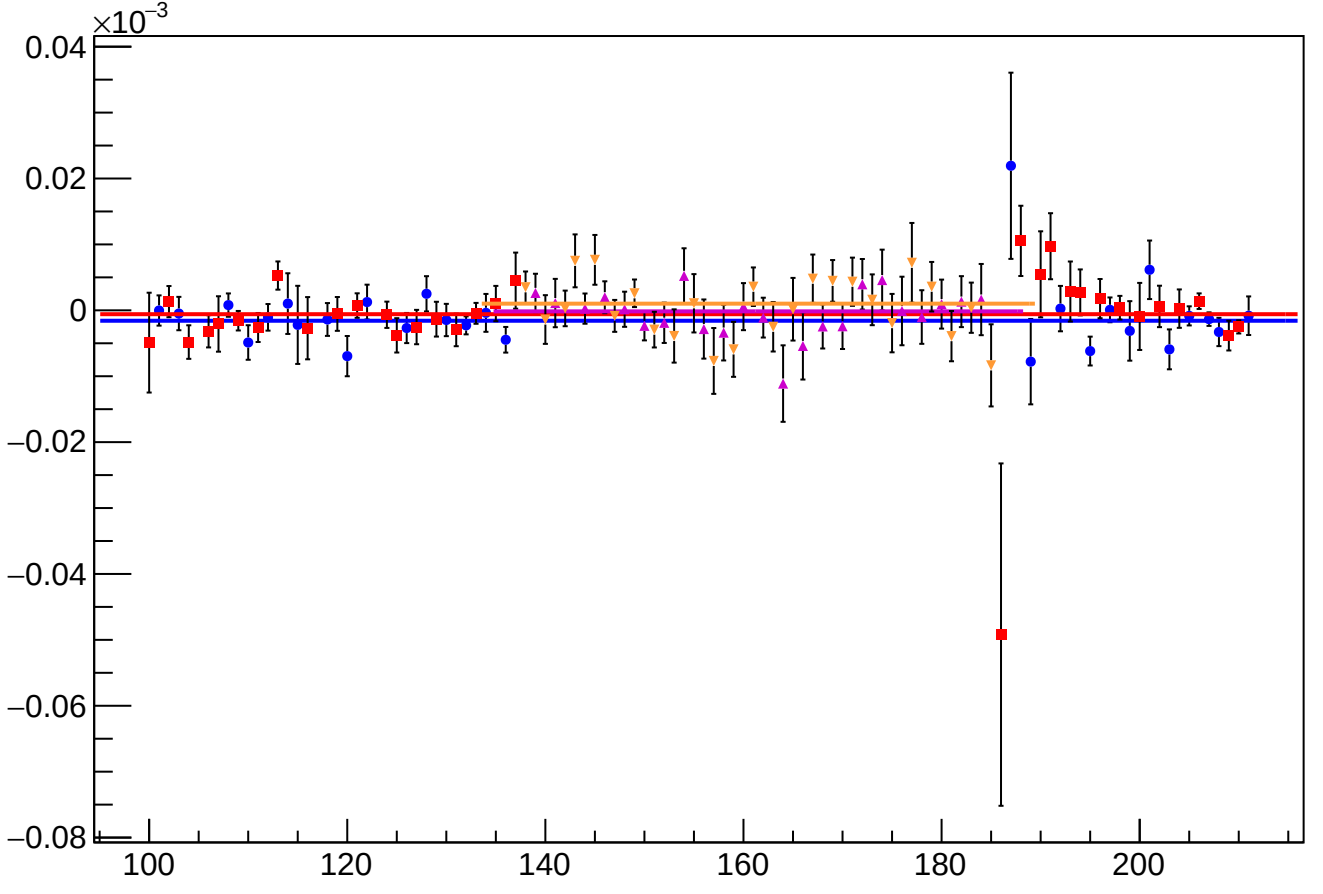
Left In: 55.956+/-0.010 χ^2/NDF:1406142.1/22

+ sign 52.502+/-0.007 χ^2/NDF: 6912357.2/52

All: 52.205+/-0.005 χ^2/NDF: 16158841.8/108

- sign 51.905+/-0.007 χ^2/NDF: 9242468.7/55

asym_sam6_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 29.3/27

Left Out: 0.000+/-0.000 χ^2/NDF:28.5/24

Right Out: -0.000+/-0.000 χ^2/NDF: 43.6/32

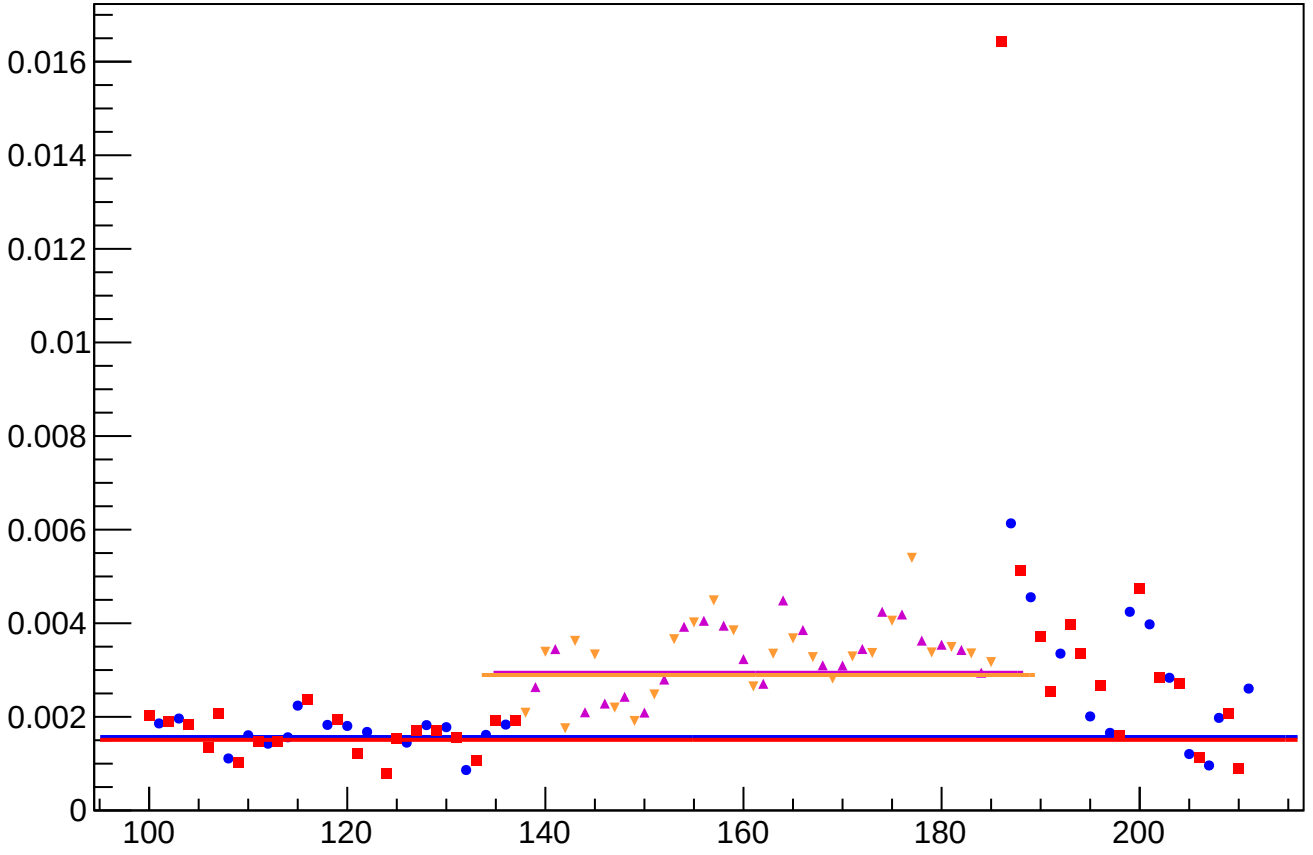
Left In: -0.000+/-0.000 χ^2/NDF:14.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 68.1/52

All: -0.000+/-0.000 χ^2/NDF: 126.6/108

- sign -0.000+/-0.000 χ^2/NDF: 57.9/55

asym_sam6_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 4942535.5/27

Left Out: 0.003+/-0.000 χ^2/NDF:2642911.8/24

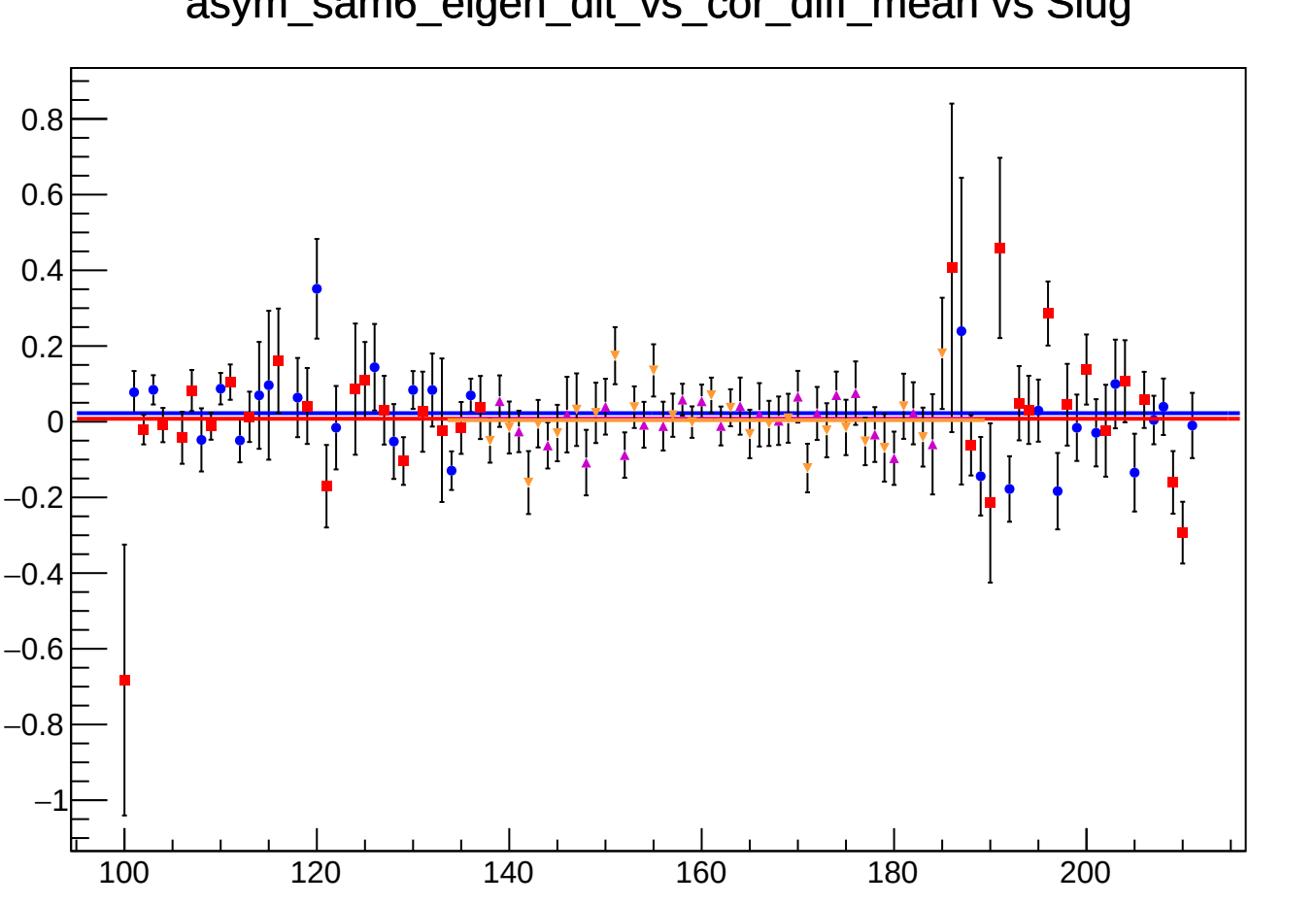
Right Out: 0.002+/-0.000 χ^2/NDF: 6983641.2/32

Left In: 0.003+/-0.000 χ^2/NDF:1890470.3/22

+ sign 0.002+/-0.000 χ^2/NDF: 12979400.7/52

All: 0.002+/-0.000 χ^2/NDF: 28083997.0/108

- sign 0.002+/-0.000 χ^2/NDF: 15052745.3/55



Right In: 0.023+/-0.014 χ^2/NDF: 44.5/27

Left Out: 0.004+/-0.013 χ^2/NDF:24.8/24

Right Out: 0.008+/-0.013 χ^2/NDF: 58.7/32

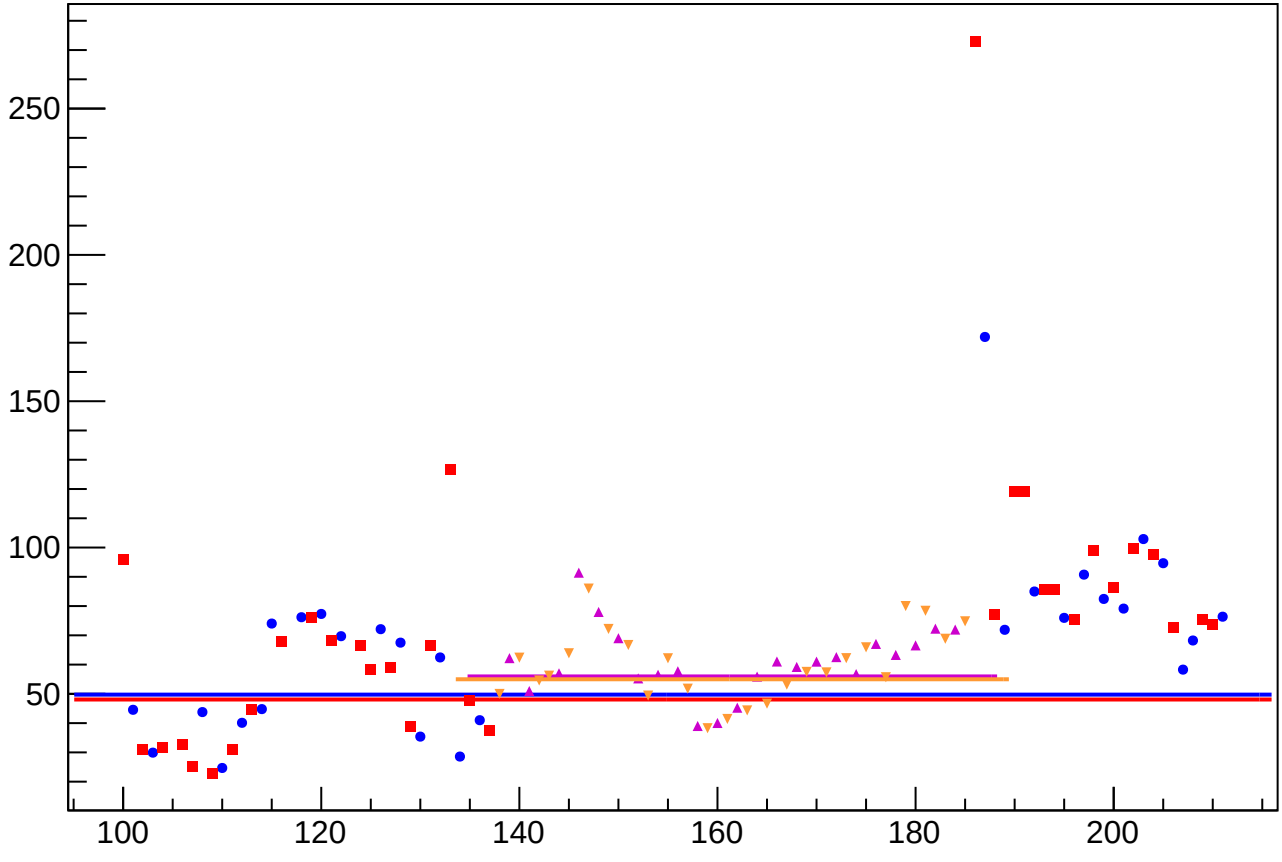
Left In: 0.007+/-0.014 χ^2/NDF:15.1/22

+ sign 0.013+/-0.009 χ^2/NDF: 70.3/52

All: 0.010+/-0.007 χ^2/NDF: 144.2/108

- sign 0.008+/-0.009 χ^2/NDF: 73.7/55

asym_sam6_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 49.738+/-0.010 χ^2/NDF: 5190281.9/27

Left Out: 54.985+/-0.009 χ^2/NDF:1566963.9/24

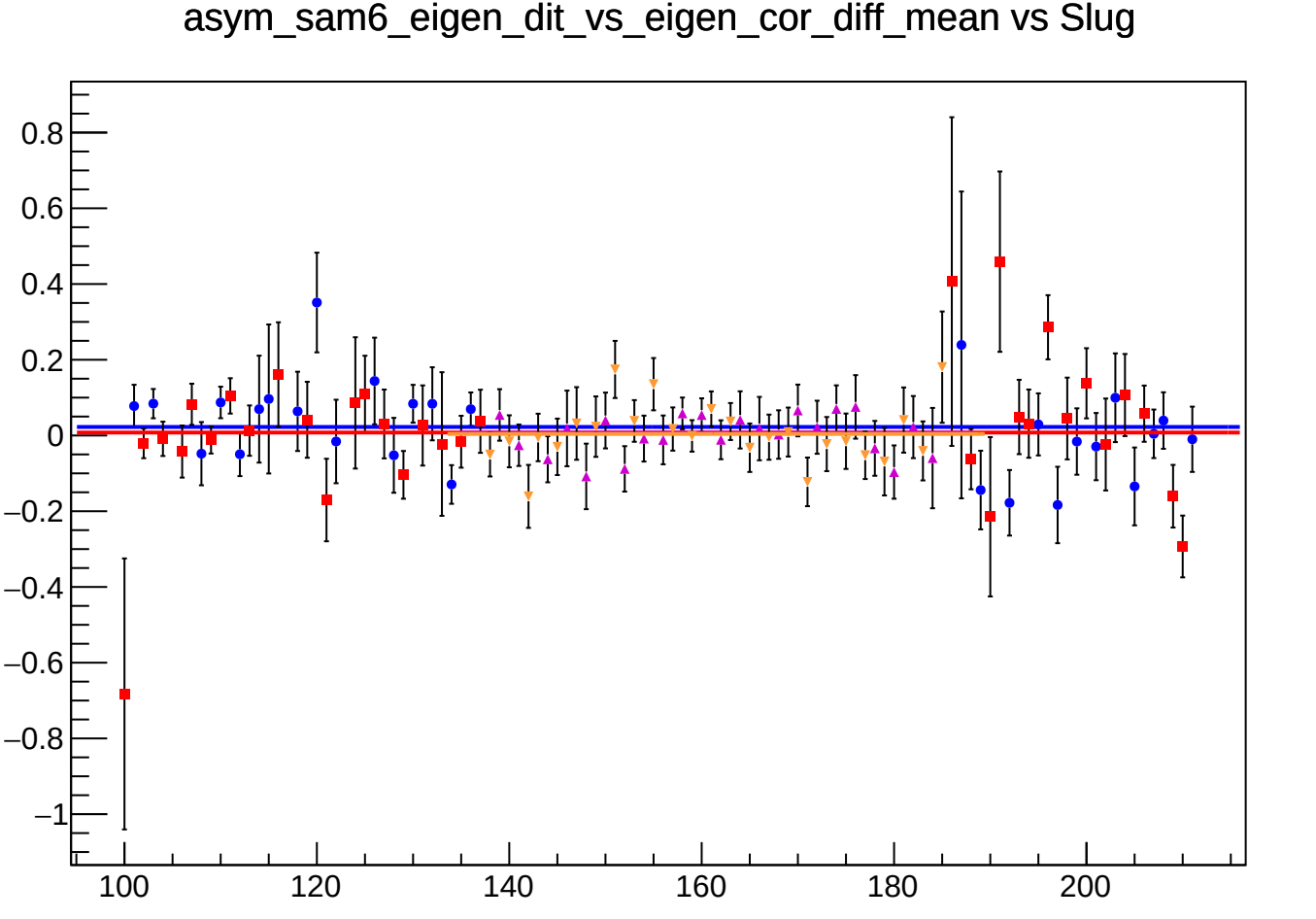
Right Out: 48.071+/-0.009 χ^2/NDF: 7486823.8/32

Left In: 55.955+/-0.010 χ^2/NDF:1406309.5/22

+ sign 52.501+/-0.007 χ^2/NDF: 6912585.5/52

All: 52.204+/-0.005 χ^2/NDF: 16159189.2/108

- sign 51.905+/-0.007 χ^2/NDF: 9242588.8/55



Right In: 0.023+/-0.014 χ^2/NDF: 44.5/27

Left Out: 0.004+/-0.013 χ^2/NDF:24.8/24

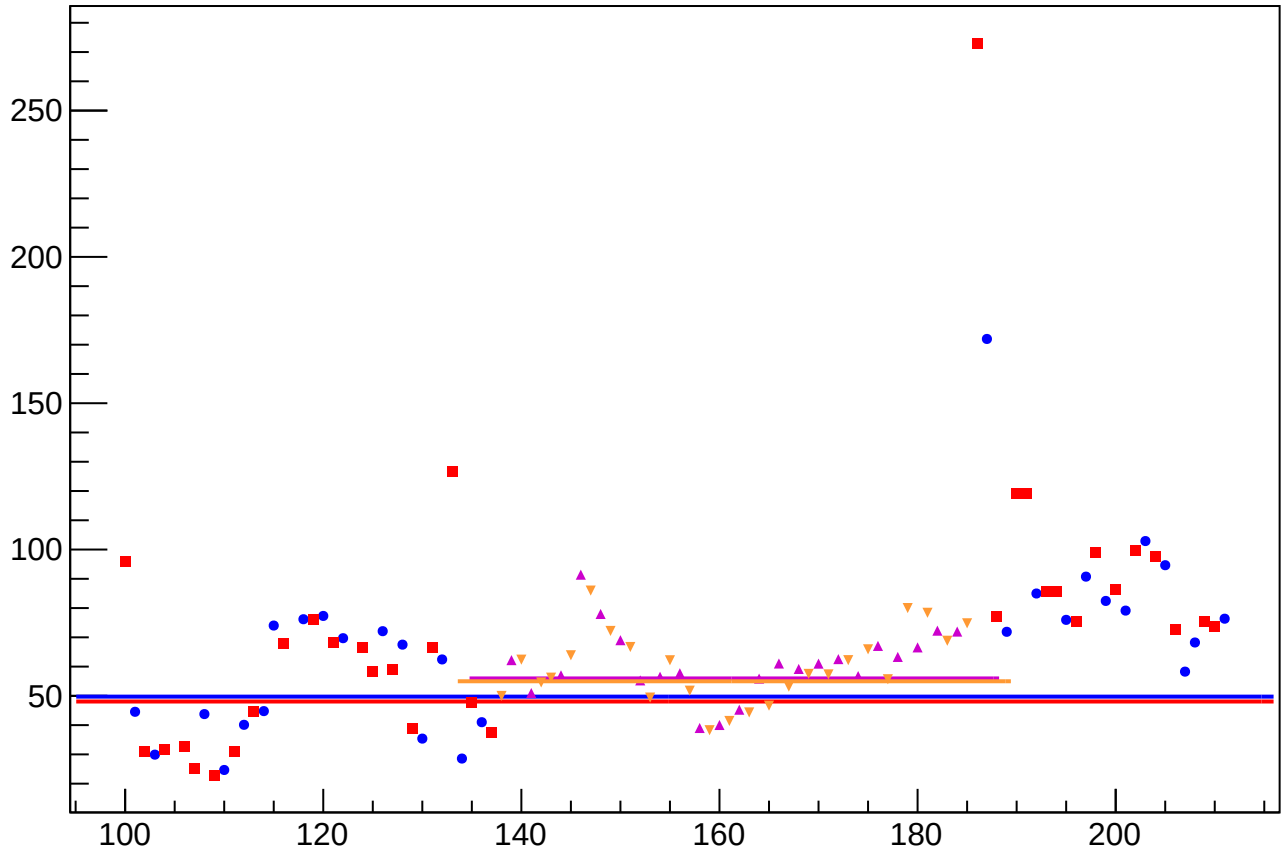
Right Out: 0.008+/-0.013 χ^2/NDF: 58.7/32

Left In: 0.007+/-0.014 χ^2/NDF:15.1/22

+ sign 0.013+/-0.009 χ^2/NDF: 70.3/52

All: 0.010+/-0.007 χ^2/NDF: 144.2/108

- sign 0.008+/-0.009 χ^2/NDF: 73.7/55



Right In: 49.738+/-0.010 χ^2/NDF: 5190281.9/27

Left Out: 54.985+/-0.009 χ^2/NDF:1566963.9/24

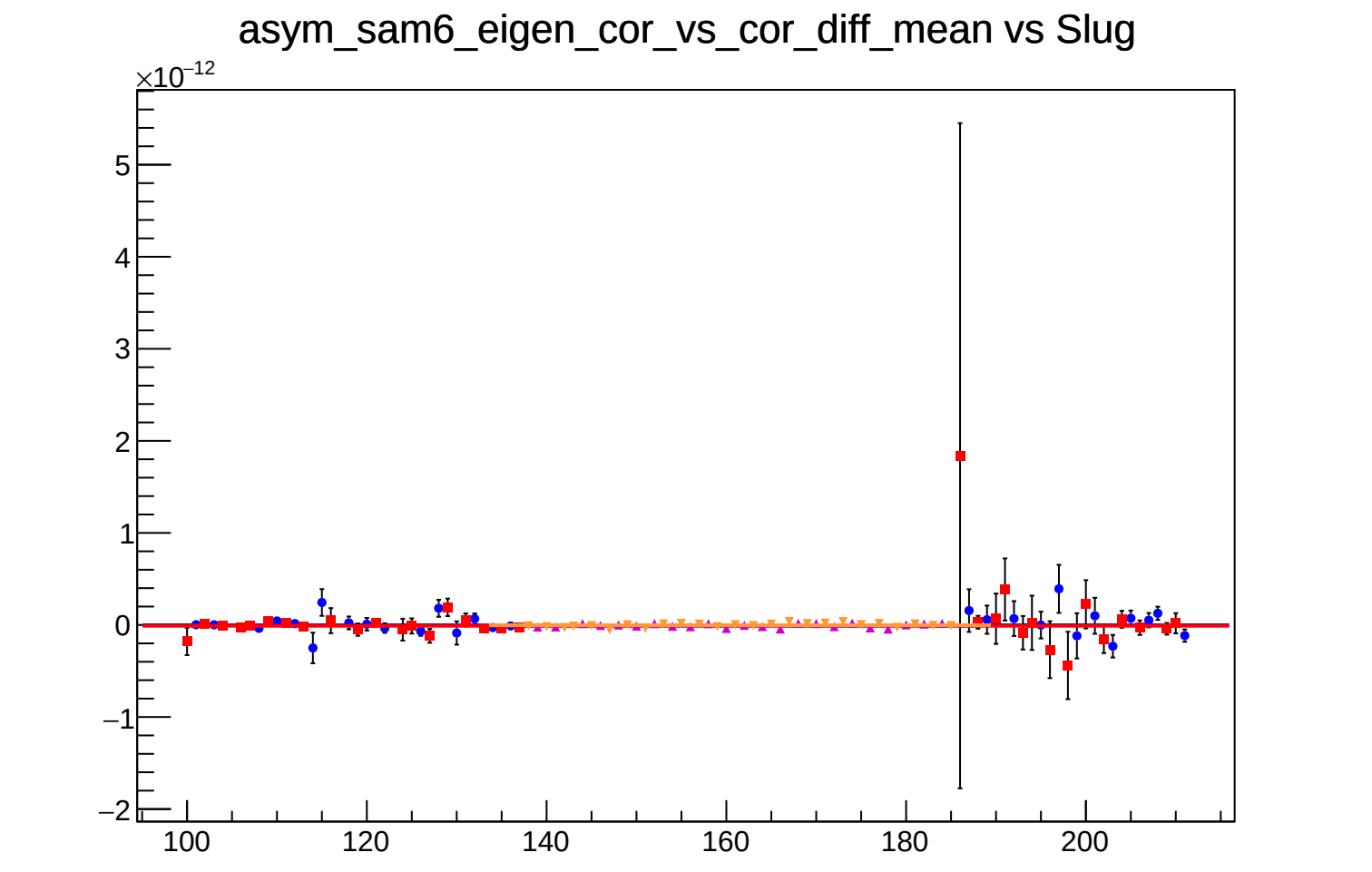
Right Out: 48.071+/-0.009 χ^2/NDF: 7486823.8/32

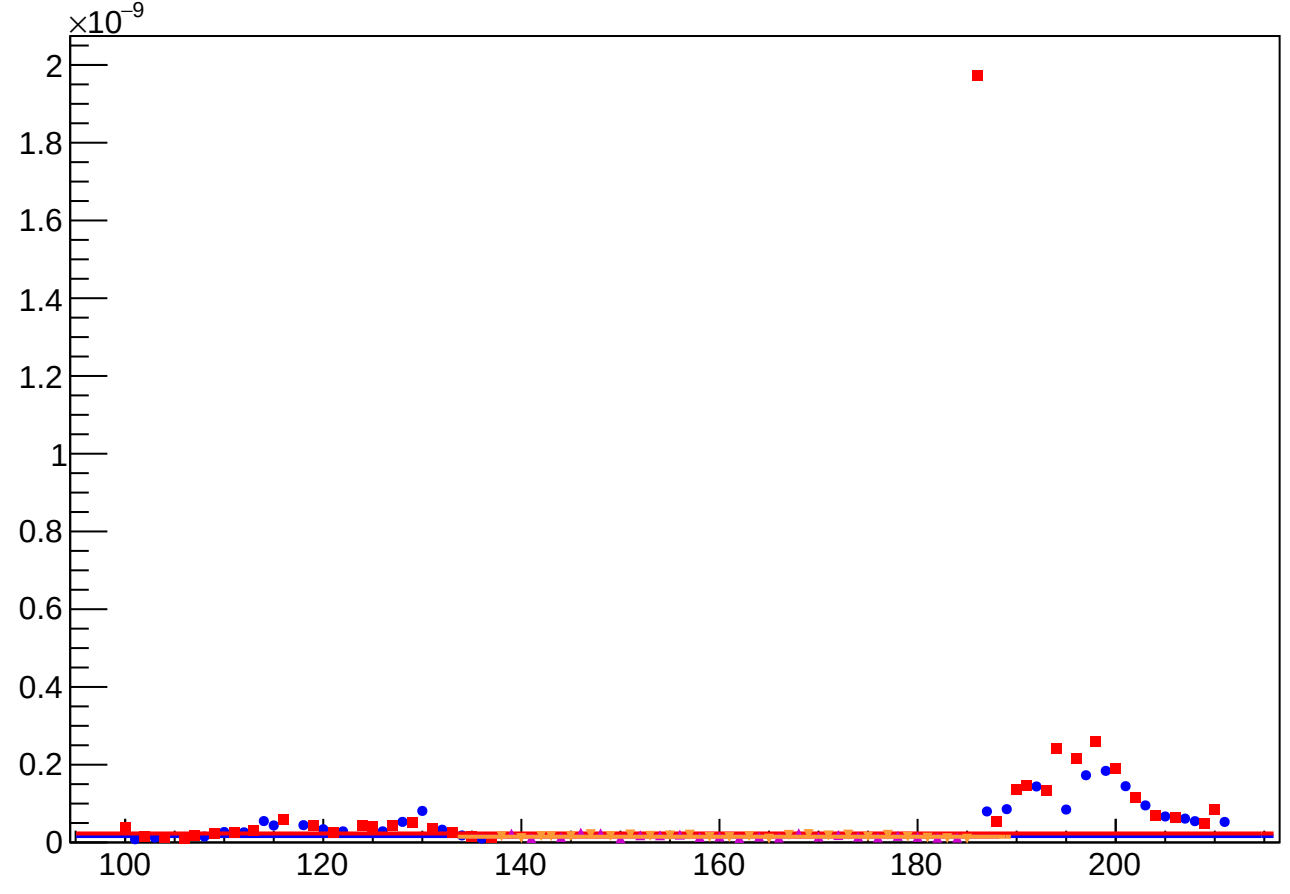
Left In: 55.955+/-0.010 χ^2/NDF:1406309.5/22

+ sign 52.501+/-0.007 χ^2/NDF: 6912585.5/52

All: 52.204+/-0.005 χ^2/NDF: 16159189.2/108

- sign 51.905+/-0.007 χ^2/NDF: 9242588.8/55


asym_sam6_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
5
4
3
2
1
0
−1
−2
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 31.0/27
Left Out: -0.000+/-0.000 χ²/NDF:19.3/24
Right Out: -0.000+/-0.000 χ²/NDF: 22.7/32
Left In: -0.000+/-0.000 χ²/NDF:21.9/22
+ sign -0.000+/-0.000 χ²/NDF: 50.3/52
All: -0.000+/-0.000 χ²/NDF: 95.8/108
- sign -0.000+/-0.000 χ²/NDF: 44.6/55



Right In: 0.000+/-0.000 χ^2/NDF: 11287864.2/27

Left Out: 0.000+/-0.000 χ^2/NDF:1401850.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 11089676.8/32

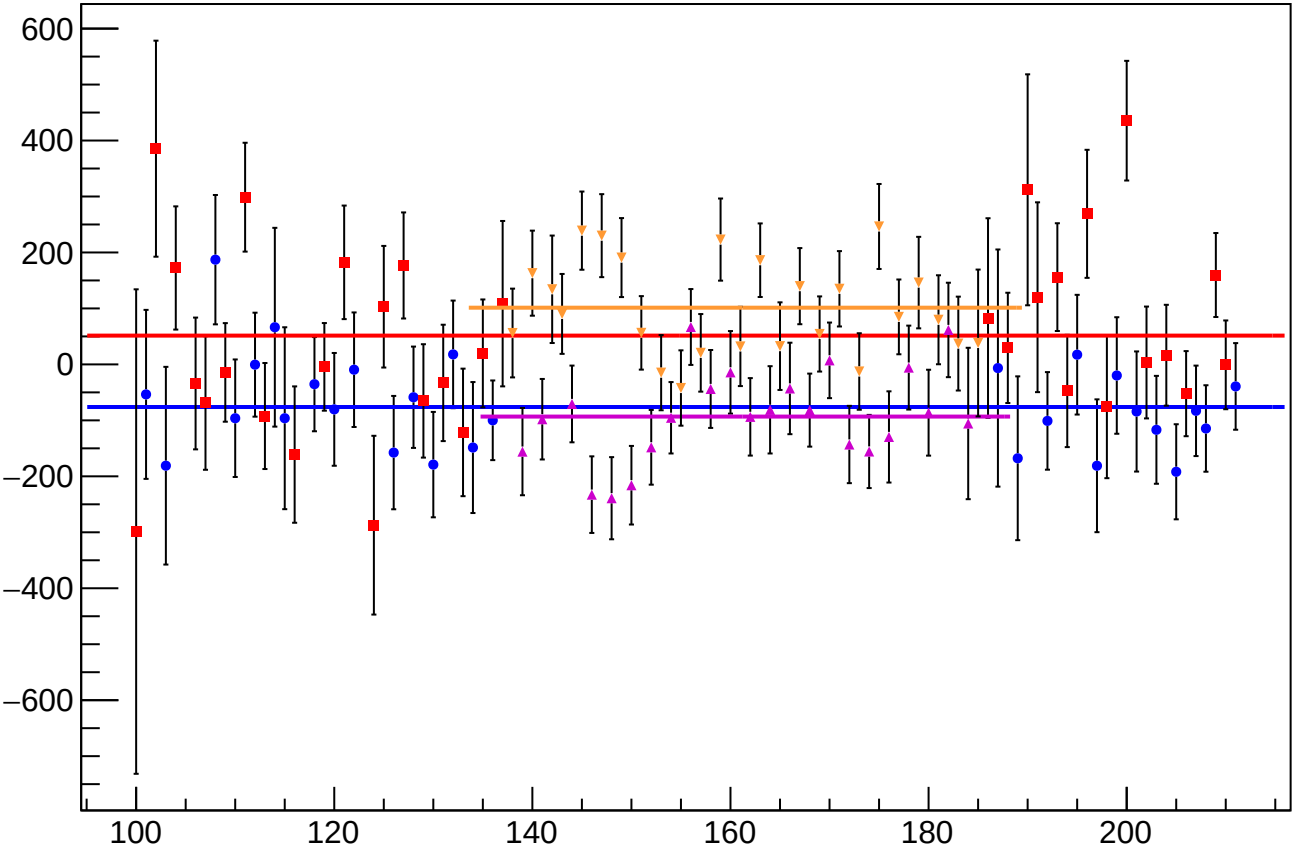
Left In: 0.000+/-0.000 χ^2/NDF:1427121.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 12772162.0/52

All: 0.000+/-0.000 χ^2/NDF: 26816508.9/108

- sign 0.000+/-0.000 χ^2/NDF: 13920726.3/55

reg_asym_sam7_mean vs Slug



Right In: -76.141+/-19.086 χ^2/NDF: 15.9/27

Left Out: 101.325+/-14.642 χ^2/NDF:33.9/24

Right Out: 51.440+/-18.427 χ^2/NDF: 58.2/32

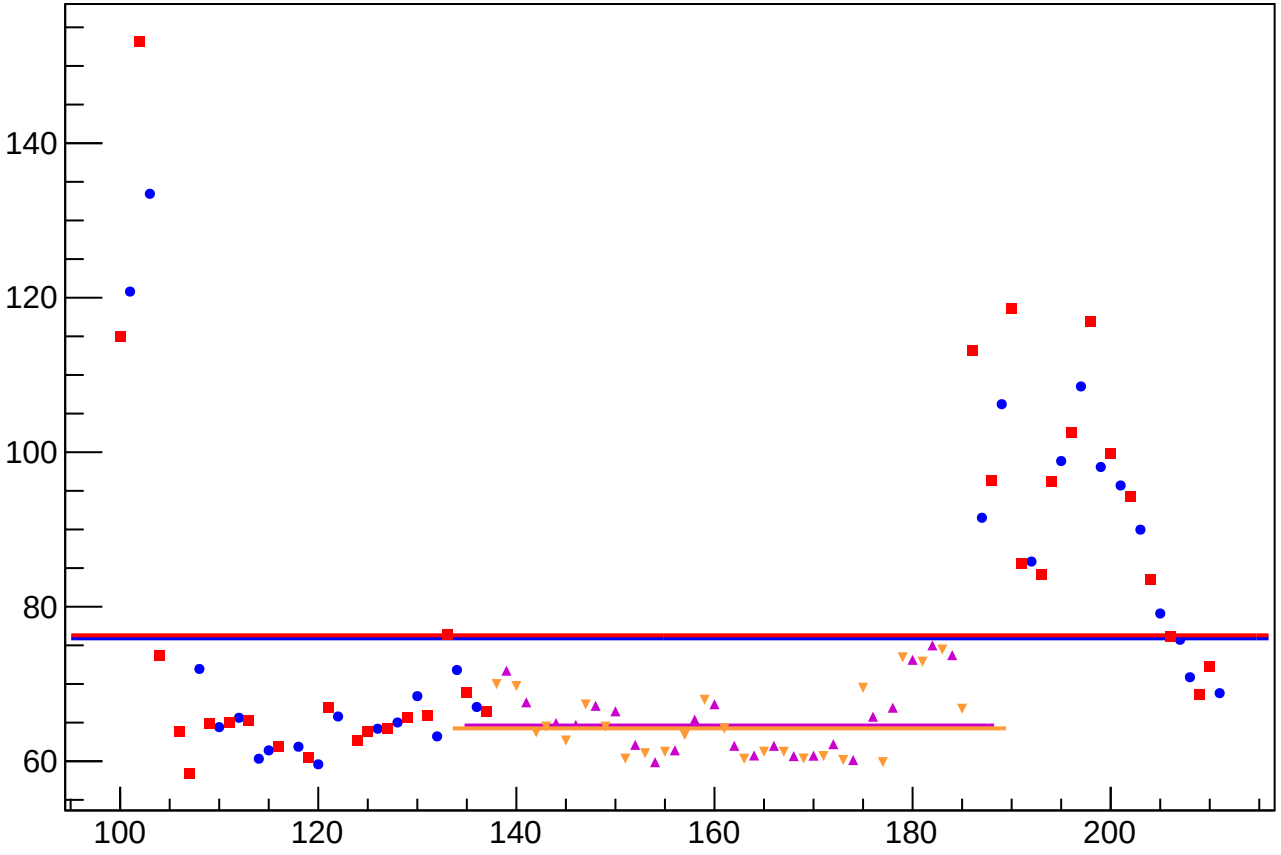
Left In: -93.236+/-15.137 χ^2/NDF:28.8/22

+ sign 35.579+/-11.617 χ^2/NDF: 104.2/52

All: 0.556+/-8.242 χ^2/NDF: 246.4/108

- sign -34.945+/-11.696 χ^2/NDF: 123.9/55

reg_asym_sam7_rms vs Slug



Right In: 75.909+/-0.013 χ^2/NDF: 1330741.8/27

Left Out: 64.256+/-0.010 χ^2/NDF:177697.9/24

Right Out: 76.299+/-0.013 χ^2/NDF: 1611051.8/32

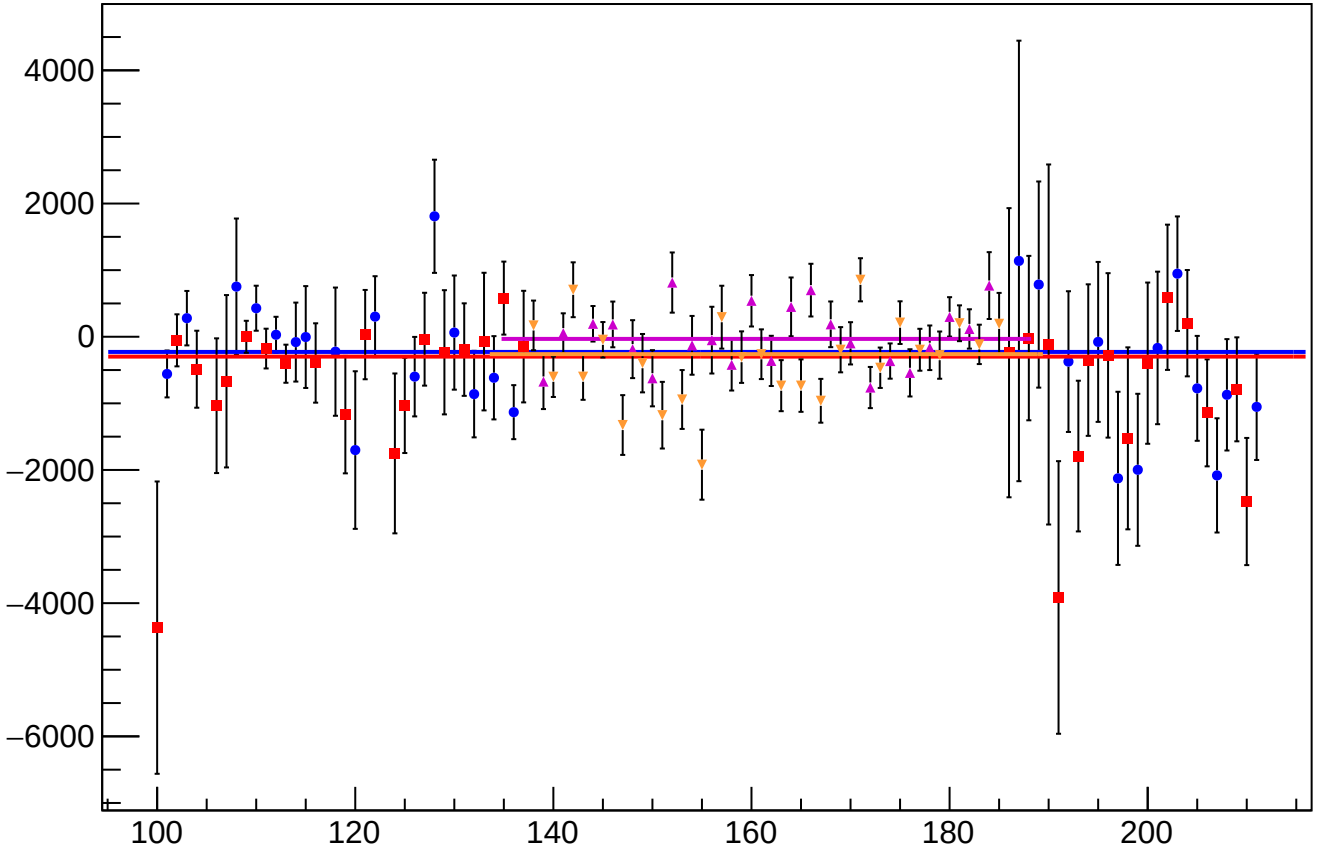
Left In: 64.621+/-0.011 χ^2/NDF:147201.3/22

+ sign 68.573+/-0.008 χ^2/NDF: 1977794.8/52

All: 68.947+/-0.006 χ^2/NDF: 4219878.5/108

- sign 69.326+/-0.008 χ^2/NDF: 2237905.0/55

asym_sam7_reg_correction_mean vs Slug



Right In: -227.865+/-115.752 χ^2/NDF: 36.9/27

Left Out: -261.124+/-71.268 χ^2/NDF:58.8/24

Right Out: -298.053+/-109.464 χ^2/NDF: 26.5/32

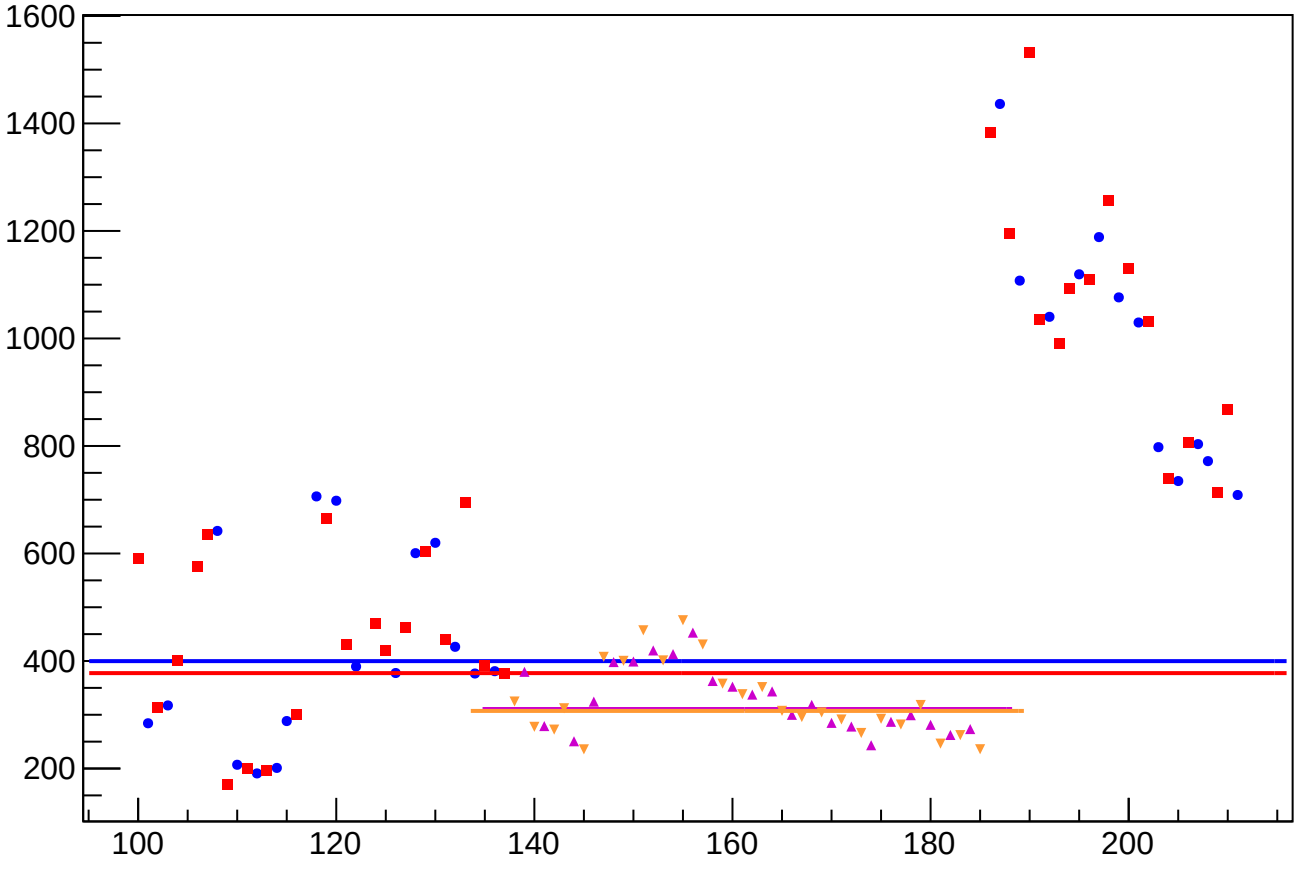
Left In: -32.423+/-73.837 χ^2/NDF:31.7/22

+ sign -251.982+/-60.688 χ^2/NDF: 95.8/52

All: -184.323+/-43.097 χ^2/NDF: 160.5/108

- sign -115.488+/-61.213 χ^2/NDF: 62.2/55

asym_sam7_reg_correction_rms vs Slug



Right In: 399.777+/-0.082 χ^2/NDF: 9152849.9/27

Left Out: 307.143+/-0.050 χ^2/NDF:1320151.2/24

Right Out: 377.478+/-0.077 χ^2/NDF: 12026129.0/32

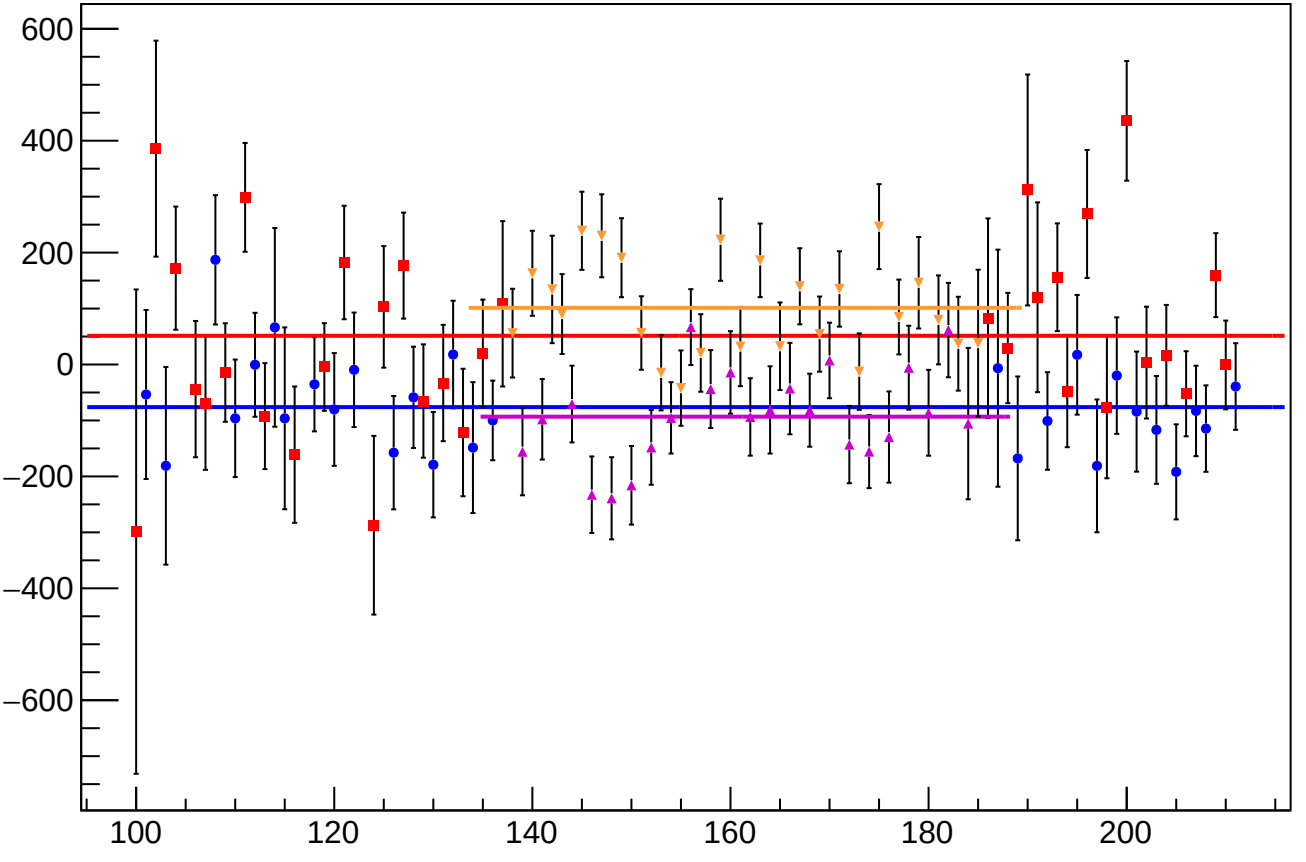
Left In: 310.697+/-0.052 χ^2/NDF:1079476.2/22

+ sign 332.606+/-0.043 χ^2/NDF: 11401796.7/52

All: 332.098+/-0.030 χ^2/NDF: 25019273.0/10

- sign 331.580+/-0.043 χ^2/NDF: 13617193.0/55

cor_asym_sam7_mean vs Slug



Right In: -76.143+/-19.086 χ^2/NDF: 15.9/27

Left Out: 101.325+/-14.642 χ^2/NDF:33.9/24

Right Out: 51.350+/-18.442 χ^2/NDF: 58.3/32

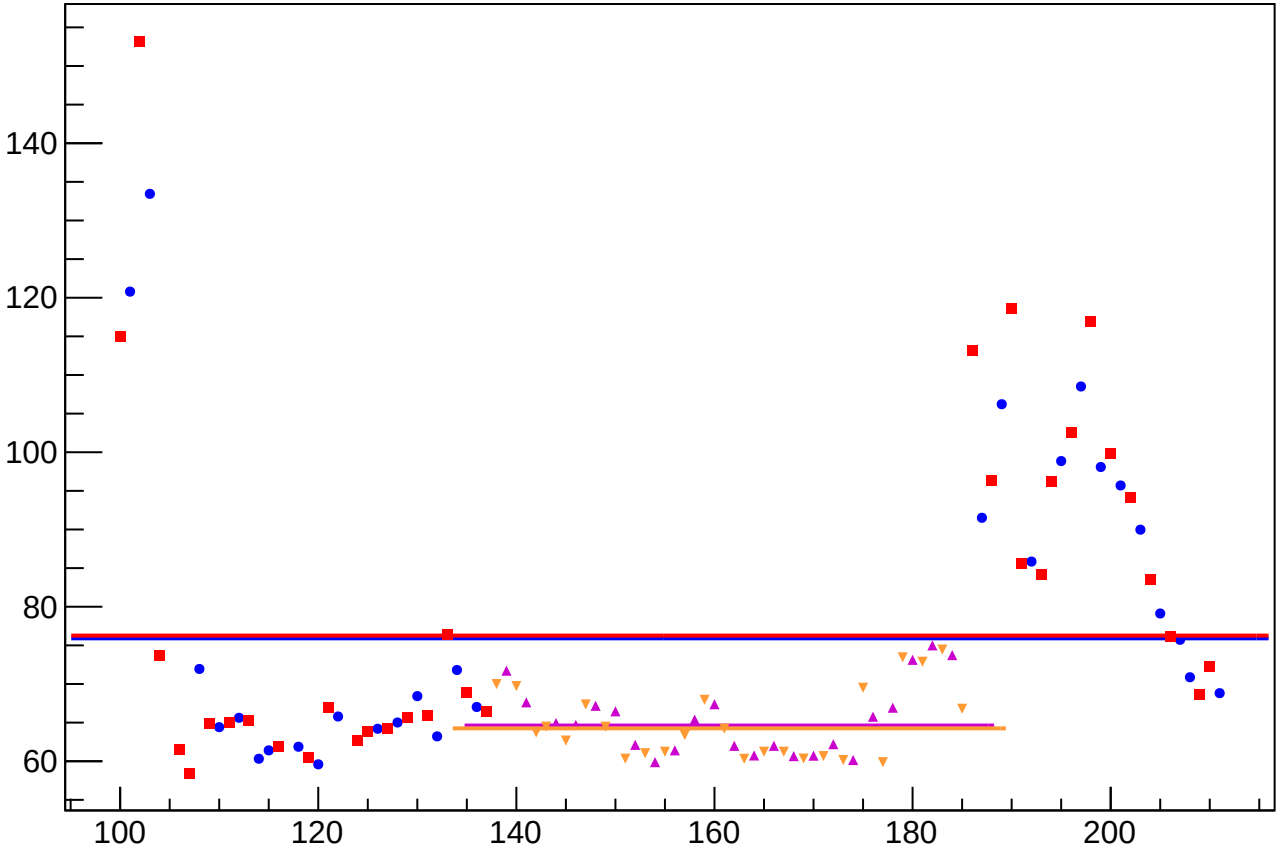
Left In: -93.235+/-15.137 χ^2/NDF:28.8/22

+ sign 35.578+/-11.617 χ^2/NDF: 104.2/52

All: 0.522+/-8.244 χ^2/NDF: 246.4/108

- sign -35.037+/-11.700 χ^2/NDF: 123.9/55

cor_asym_sam7_rms vs Slug



Right In: 75.909+/-0.013 χ^2/NDF: 1330742.2/27

Left Out: 64.256+/-0.010 χ^2/NDF:177697.9/24

Right Out: 76.265+/-0.013 χ^2/NDF: 1618250.1/32

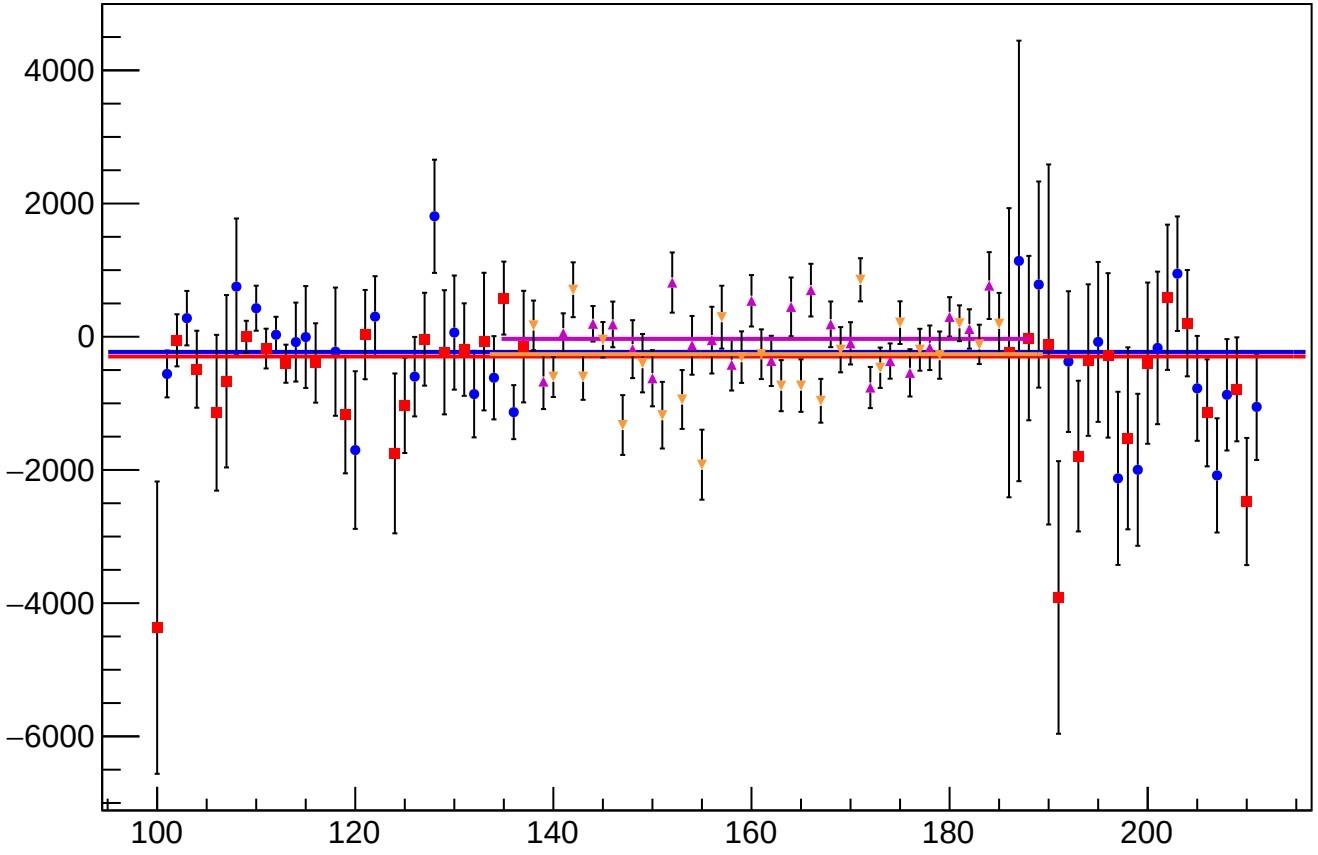
Left In: 64.621+/-0.011 χ^2/NDF:147201.3/22

+ sign 68.573+/-0.008 χ^2/NDF: 1977795.2/52

All: 68.938+/-0.006 χ^2/NDF: 4223615.5/108

- sign 69.308+/-0.008 χ^2/NDF: 2241843.1/55

asym_sam7_cor_correction_mean vs Slug



Right In: -227.863+/-115.753 χ^2/NDF: 36.9/27

Left Out: -261.124+/-71.268 χ^2/NDF:58.8/24

Right Out: -296.811+/-109.631 χ^2/NDF: 26.4/32

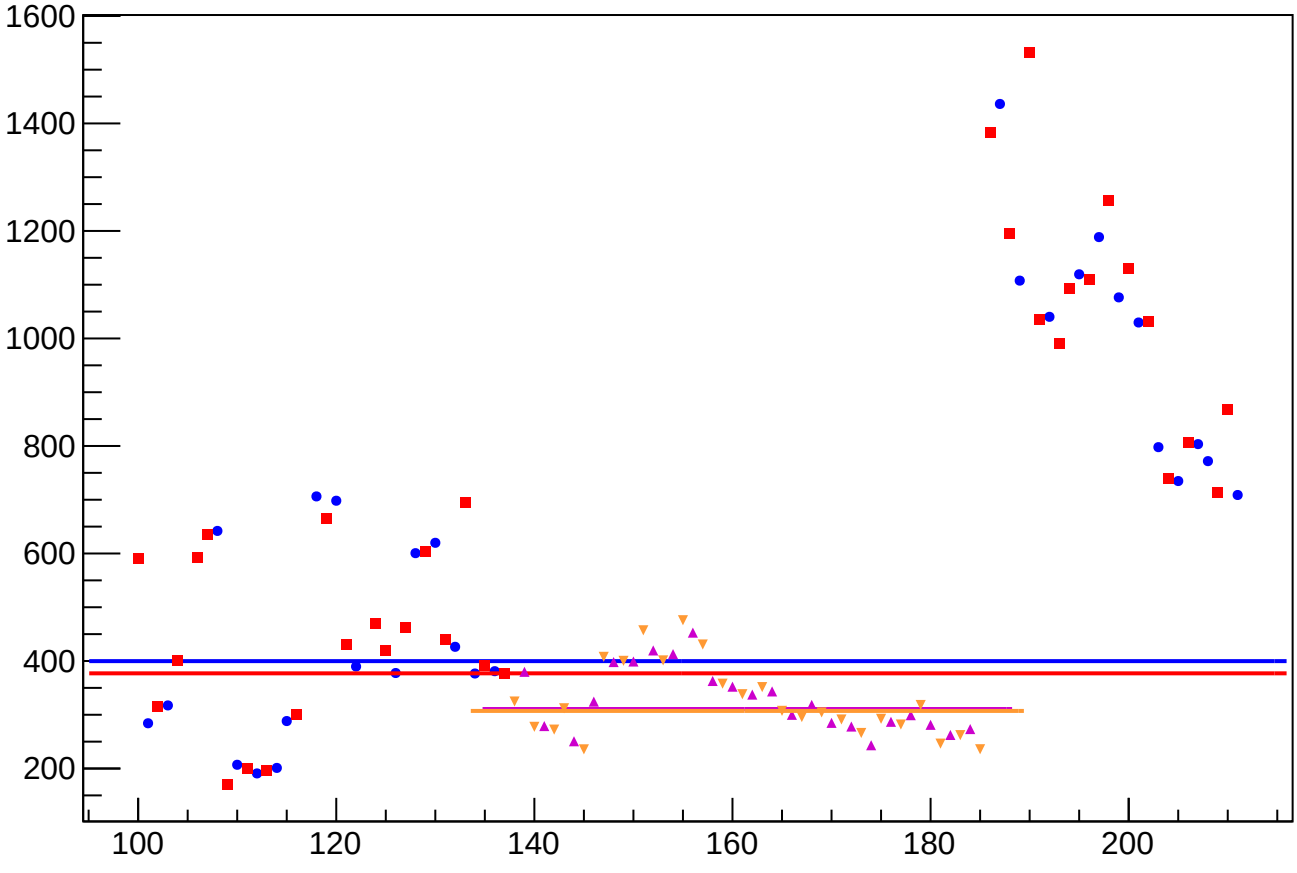
Left In: -32.420+/-73.837 χ^2/NDF:31.7/22

+ sign -251.981+/-60.688 χ^2/NDF: 95.8/52

All: -184.077+/-43.107 χ^2/NDF: 160.5/108

- sign -114.926+/-61.242 χ^2/NDF: 62.2/55

asym_sam7_cor_correction_rms vs Slug



Right In: 399.780+/-0.082 χ^2/NDF: 9152796.7/27

Left Out: 307.143+/-0.050 χ^2/NDF:1320147.4/24

Right Out: 377.065+/-0.078 χ^2/NDF: 12017346.8/32

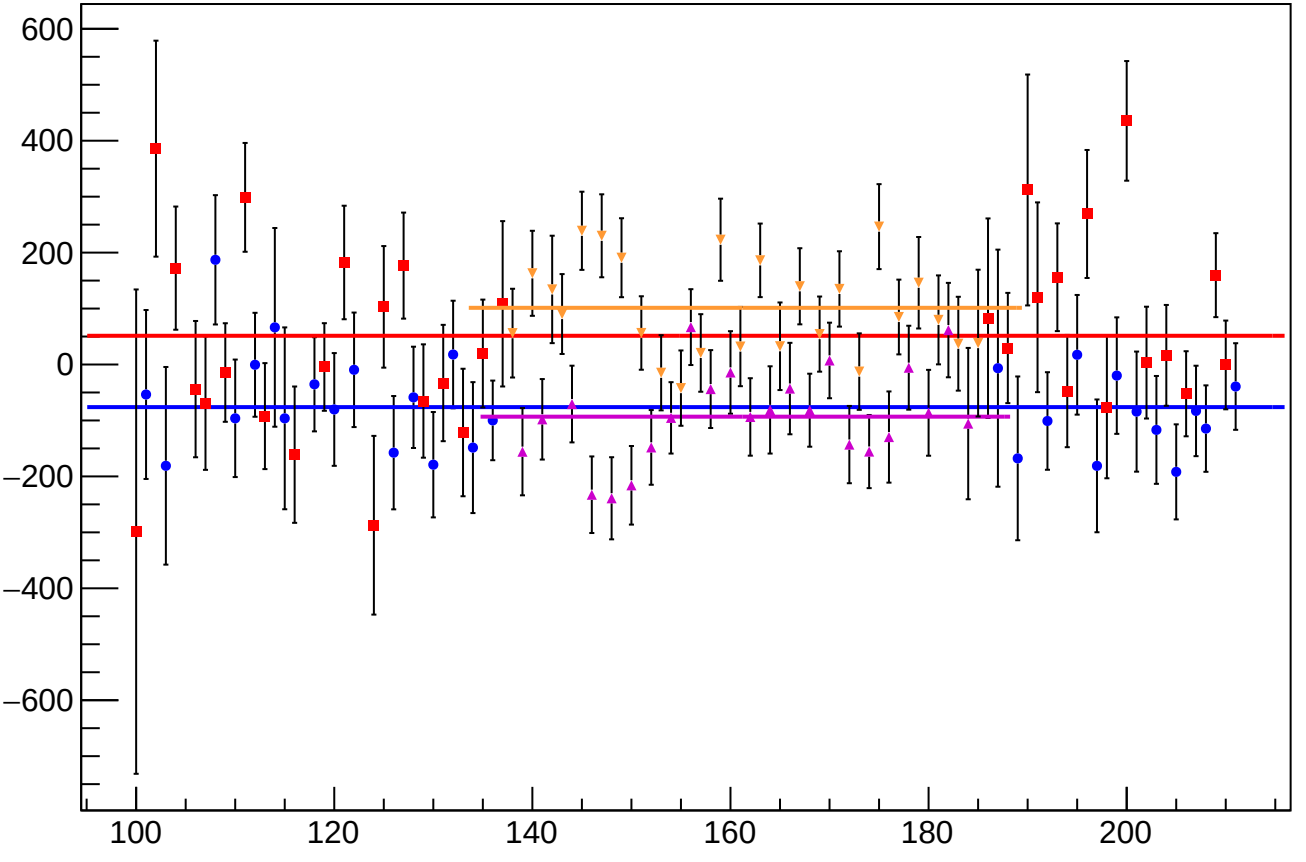
Left In: 310.698+/-0.052 χ^2/NDF:1079479.8/22

+ sign 332.607+/-0.043 χ^2/NDF: 11401786.3/52

All: 332.013+/-0.030 χ^2/NDF: 25003232.9/10

- sign 331.408+/-0.043 χ^2/NDF: 13601060.2/55

eigen_cor_asym_sam7_mean vs Slug



Right In: -76.143+/-19.086 χ^2/NDF: 15.9/27

Left Out: 101.325+/-14.642 χ^2/NDF:33.9/24

Right Out: 51.350+/-18.442 χ^2/NDF: 58.3/32

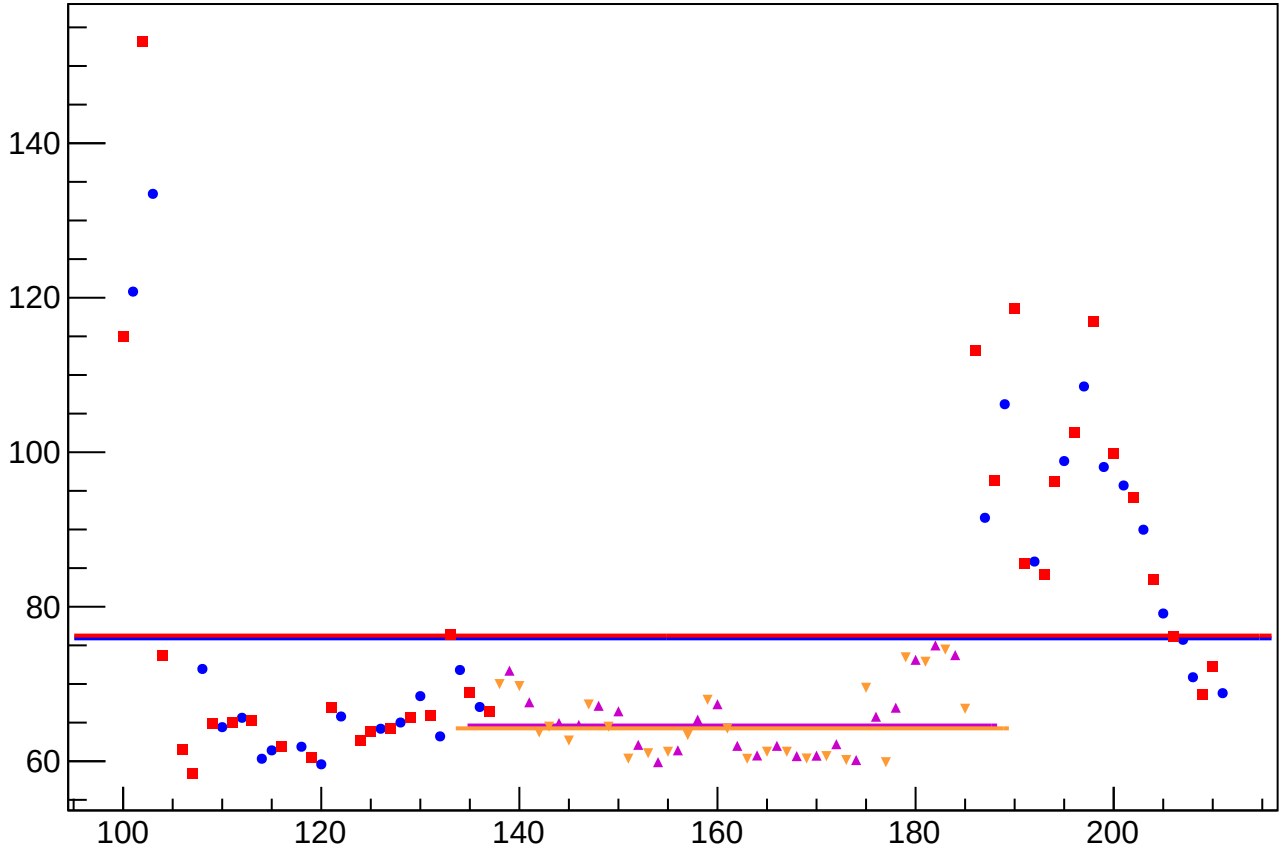
Left In: -93.235+/-15.137 χ^2/NDF:28.8/22

+ sign 35.578+/-11.617 χ^2/NDF: 104.2/52

All: 0.522+/-8.244 χ^2/NDF: 246.4/108

- sign -35.037+/-11.700 χ^2/NDF: 123.9/55

eigen_cor_asym_sam7_rms vs Slug



Right In: 75.909+/-0.013 χ^2/NDF: 1330742.2/27

Left Out: 64.256+/-0.010 χ^2/NDF:177697.9/24

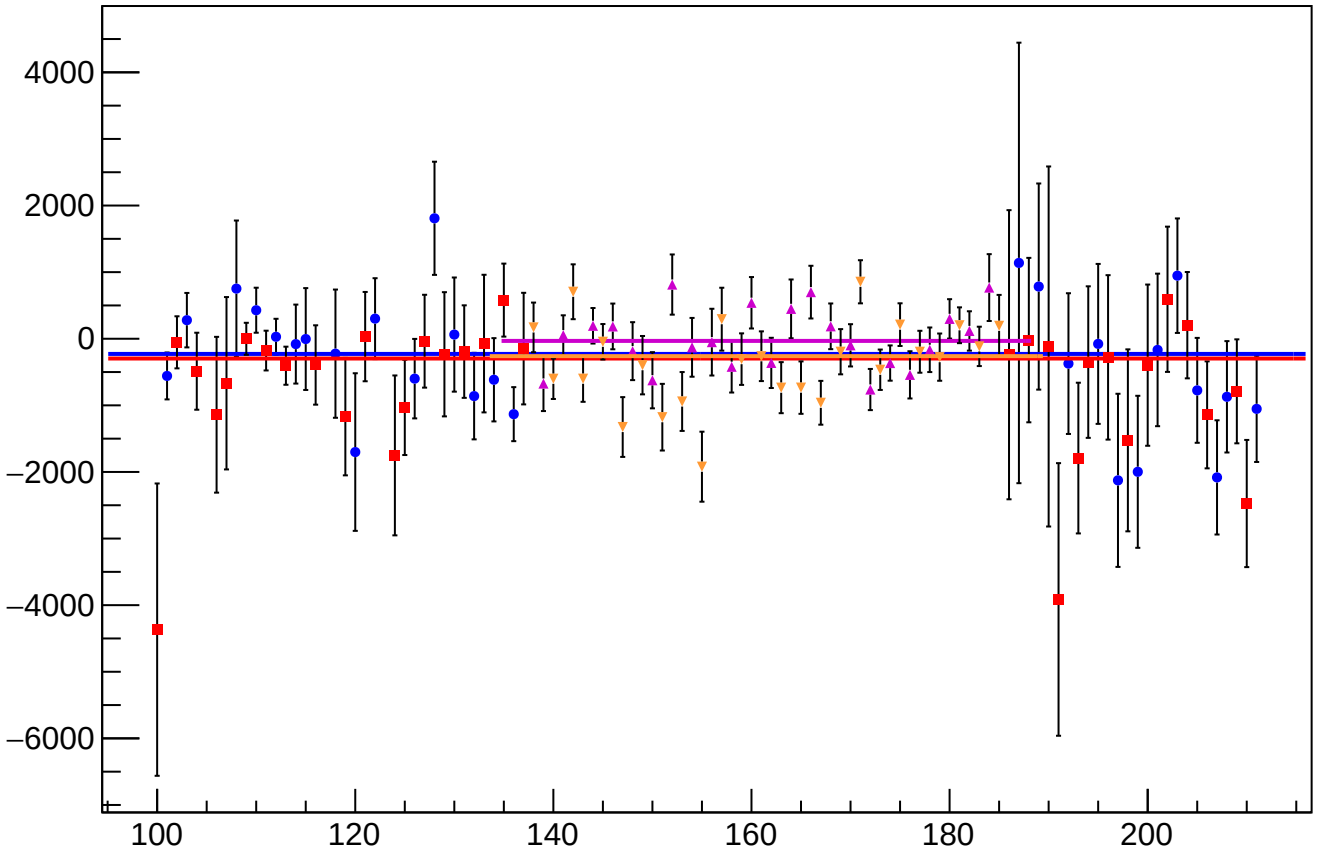
Right Out: 76.265+/-0.013 χ^2/NDF: 1618250.1/32

Left In: 64.621+/-0.011 χ^2/NDF:147201.3/22

+ sign 68.573+/-0.008 χ^2/NDF: 1977795.2/52

All: 68.938+/-0.006 χ^2/NDF: 4223615.5/108

- sign 69.308+/-0.008 χ^2/NDF: 2241843.1/55



Right In: -227.863+/-115.753 χ^2/NDF: 36.9/27

Left Out: -261.124+/-71.268 χ^2/NDF:58.8/24

Right Out: -296.811+/-109.631 χ^2/NDF: 26.4/32

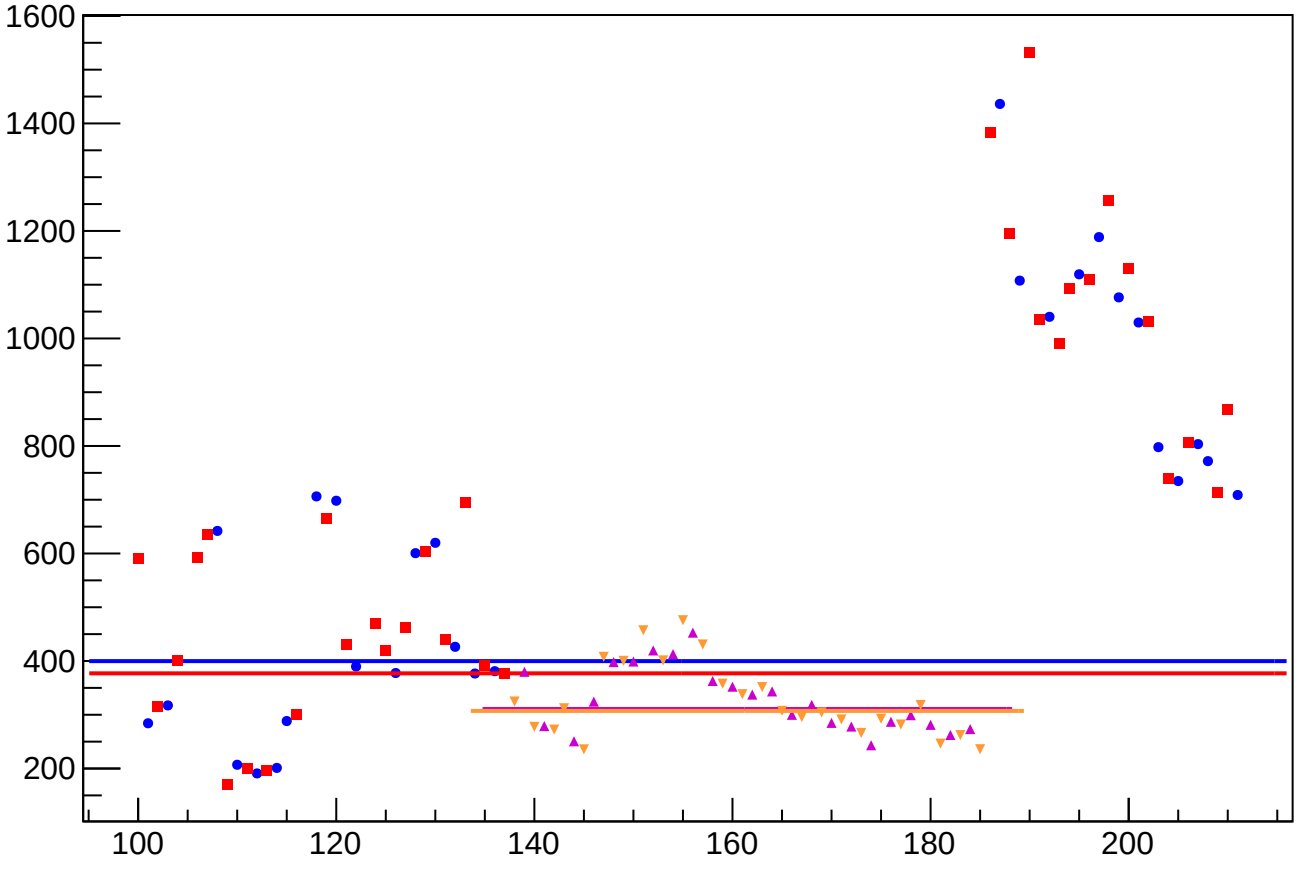
Left In: -32.420+/-73.837 χ^2/NDF:31.7/22

+ sign -251.981+/-60.688 χ^2/NDF: 95.8/52

All: -184.077+/-43.107 χ^2/NDF: 160.5/108

- sign -114.926+/-61.242 χ^2/NDF: 62.2/55

asym_sam7_eigen_cor_correction_rms vs Slug



Right In: 399.780+/-0.082 χ^2/NDF: 9152796.7/27

Left Out: 307.143+/-0.050 χ^2/NDF:1320147.4/24

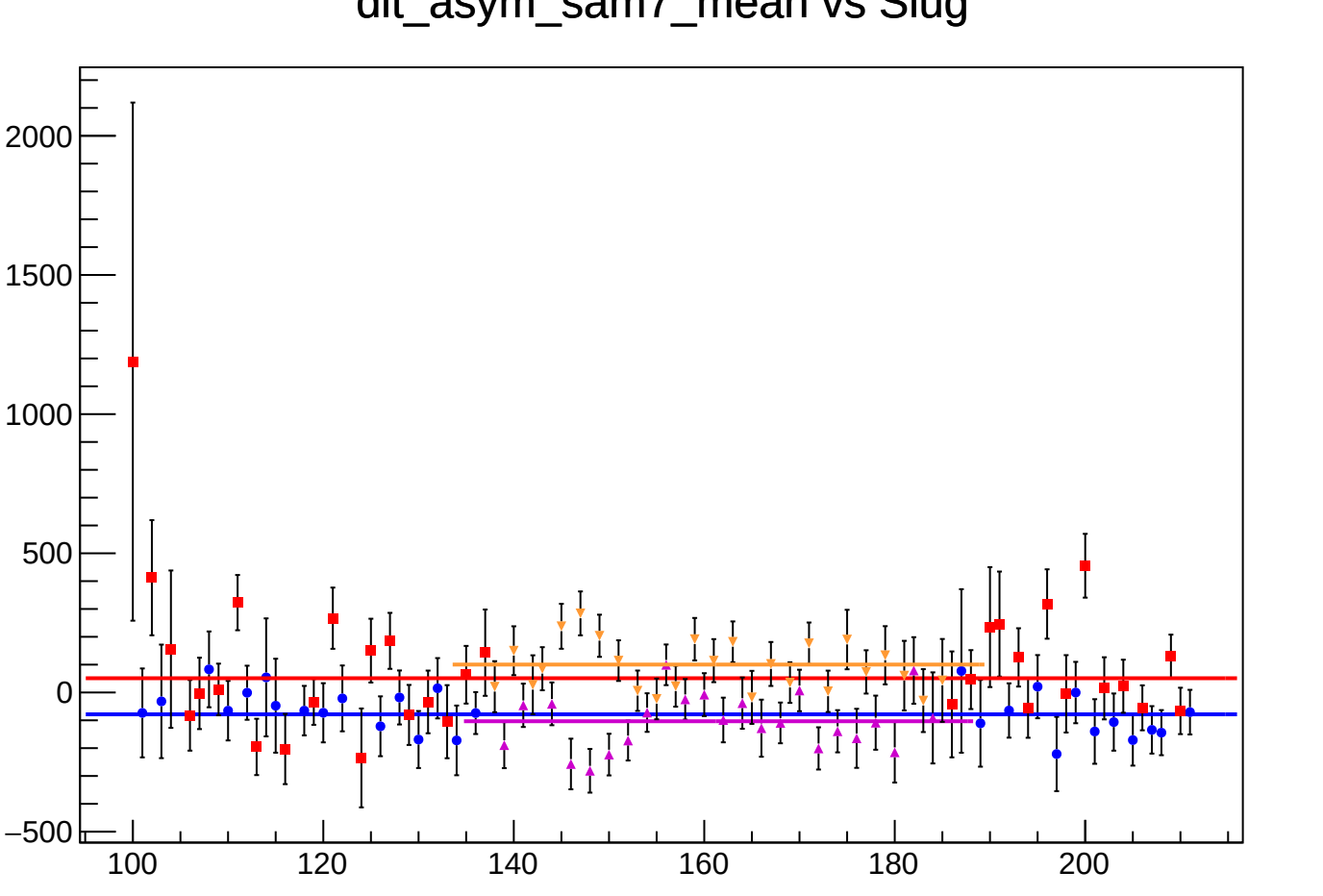
Right Out: 377.065+/-0.078 χ^2/NDF: 12017346.8/32

Left In: 310.698+/-0.052 χ^2/NDF:1079479.8/22

+ sign 332.607+/-0.043 χ^2/NDF: 11401786.3/52

All: 332.013+/-0.030 χ^2/NDF: 25003232.9/10

- sign 331.408+/-0.043 χ^2/NDF: 13601060.2/55



Right In: -78.518+/-20.520 χ^2/NDF: 10.7/27

Left Out: 100.277+/-16.625 χ^2/NDF:27.7/24

Right Out: 51.135+/-19.911 χ^2/NDF: 63.2/32

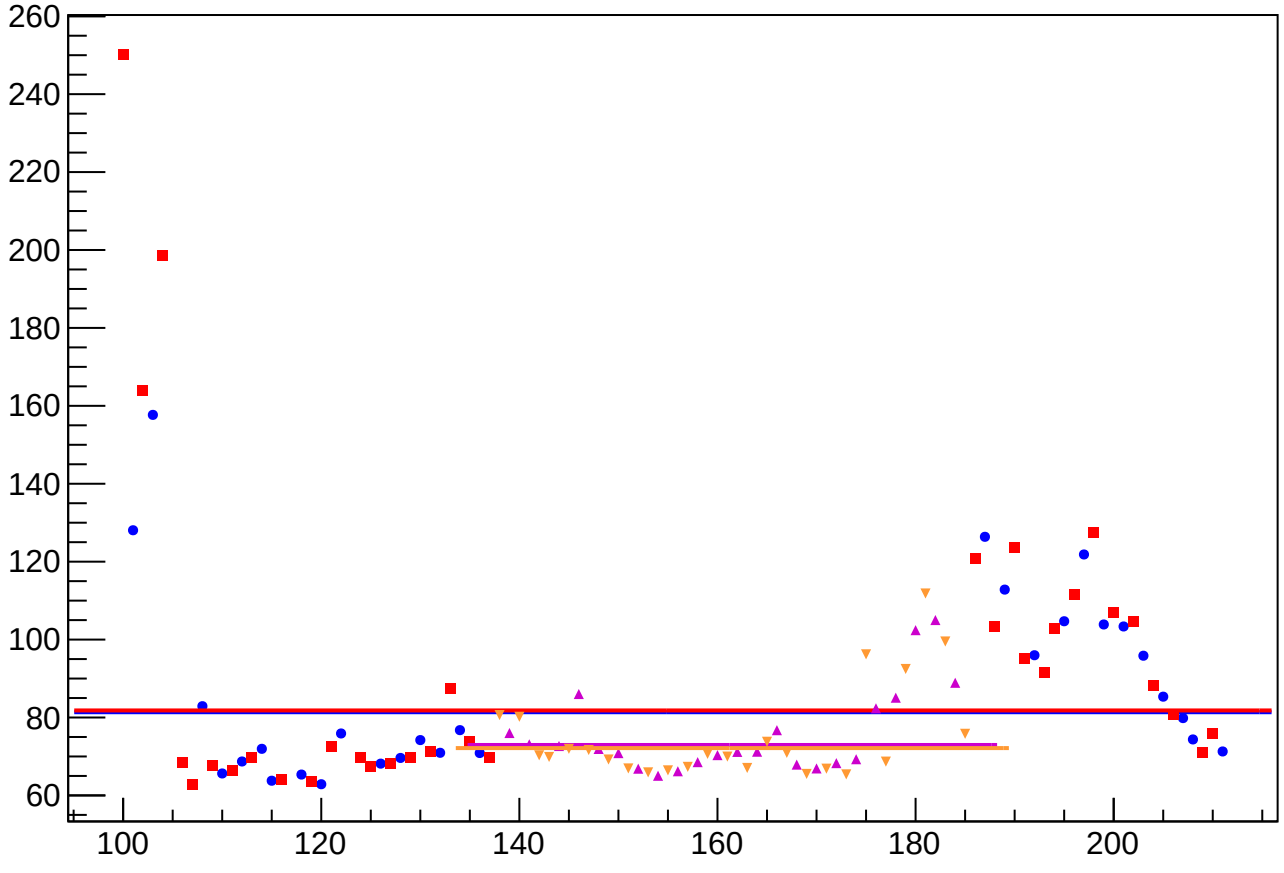
Left In: -103.363+/-17.260 χ^2/NDF:32.7/22

+ sign 29.423+/-12.918 χ^2/NDF: 84.2/52

All: -3.506+/-9.178 χ^2/NDF: 227.6/108

- sign -37.074+/-13.042 χ^2/NDF: 130.3/55

dit_asym_sam7_rms vs Slug



Right In: 81.358+/-0.015 χ^2/NDF: 1500865.8/27

Left Out: 72.150+/-0.012 χ^2/NDF:641970.1/24

Right Out: 81.813+/-0.014 χ^2/NDF: 2126943.5/32

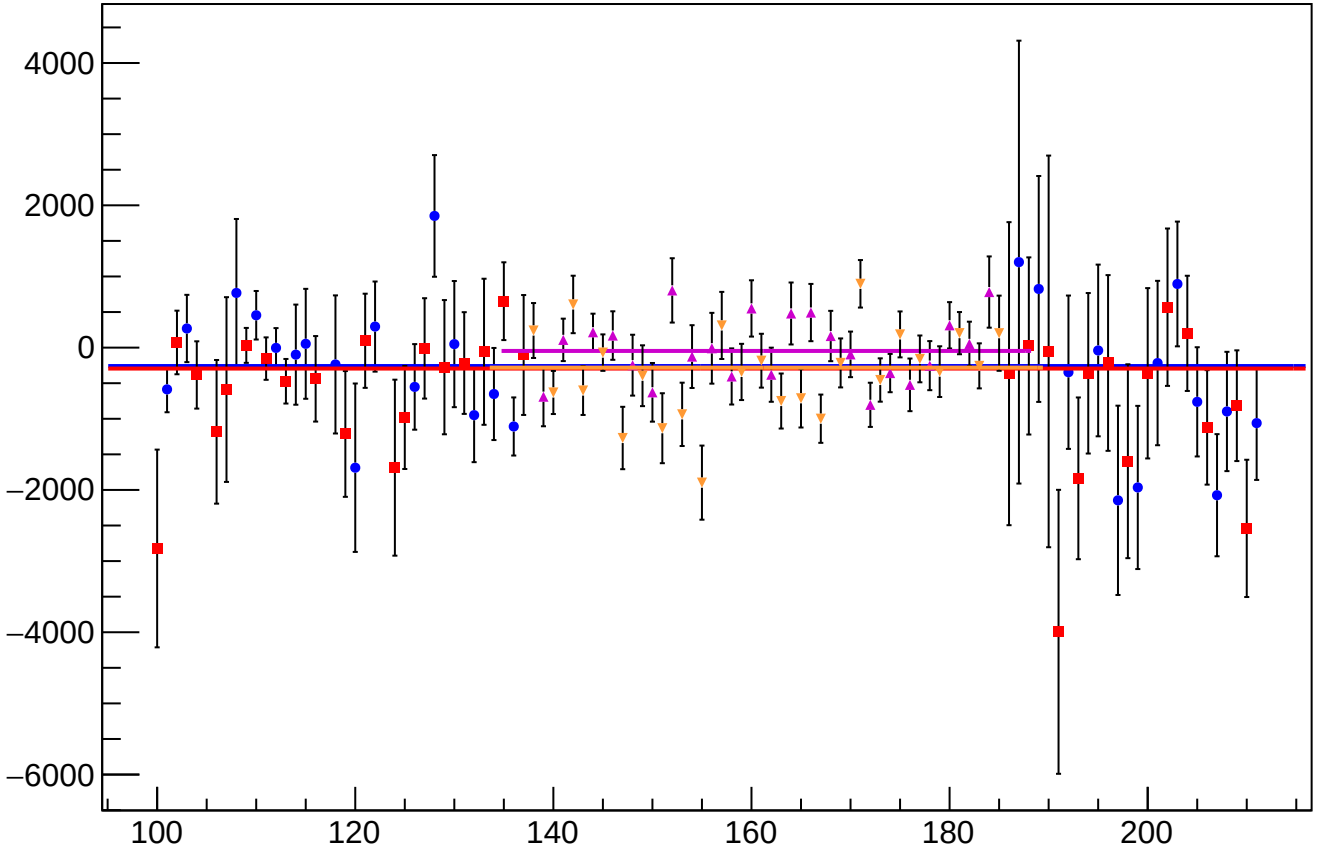
Left In: 72.948+/-0.012 χ^2/NDF:509028.0/22

+ sign 75.799+/-0.009 χ^2/NDF: 2385983.2/52

All: 76.271+/-0.006 χ^2/NDF: 5253722.5/108

- sign 76.752+/-0.009 χ^2/NDF: 2862346.5/55

asym_sam7_dit_correction_mean vs Slug



Right In: -258.859+/-117.777 χ^2/NDF: 36.3/27

Left Out: -281.205+/-72.538 χ^2/NDF:56.8/24

Right Out: -294.248+/-111.372 χ^2/NDF: 28.3/32

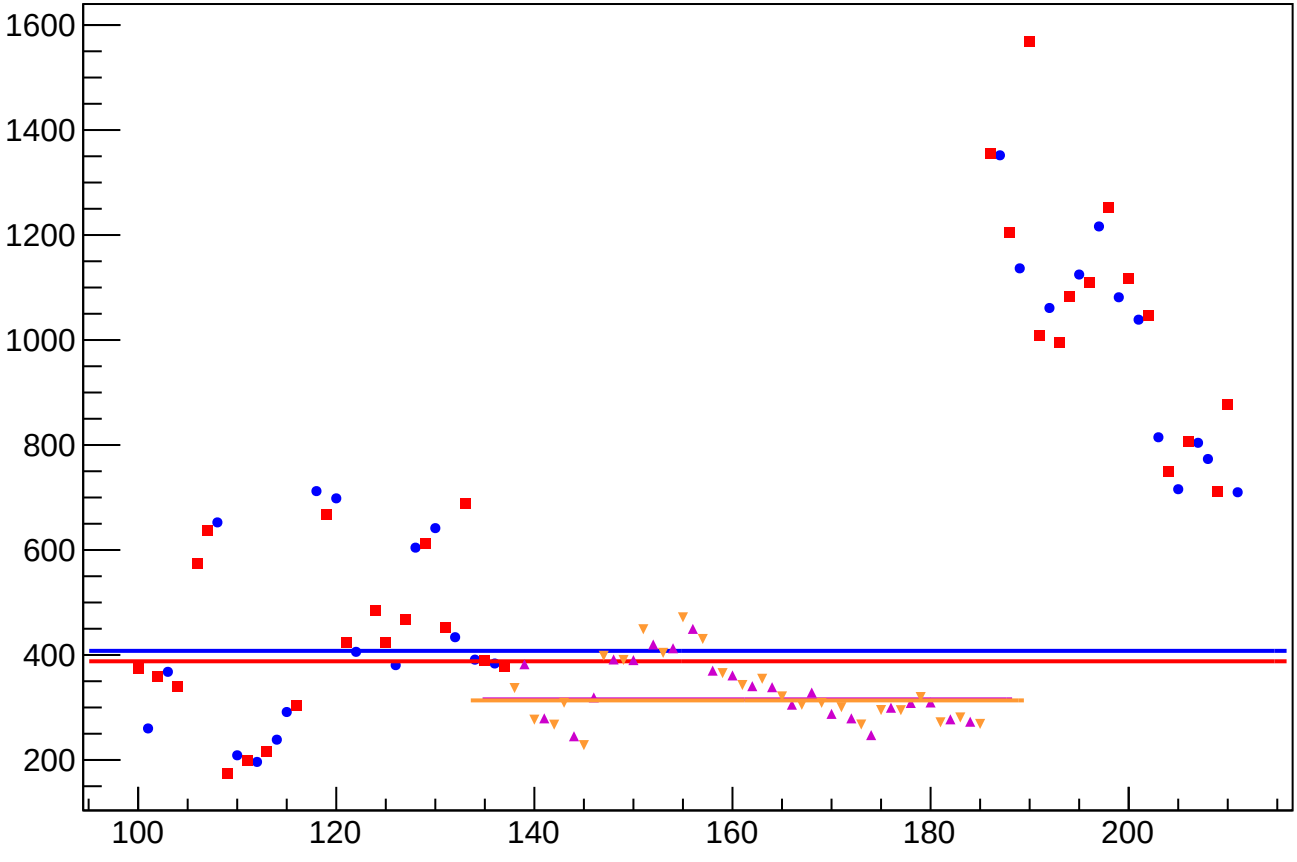
Left In: -46.569+/-74.897 χ^2/NDF:30.7/22

+ sign -275.059+/-61.763 χ^2/NDF: 93.2/52

All: -199.852+/-43.810 χ^2/NDF: 158.6/108

- sign -123.700+/-62.150 χ^2/NDF: 62.4/55

asym_sam7_dit_correction_rms vs Slug



Right In: 407.859+/-0.083 χ^2/NDF: 9039732.9/27

Left Out: 313.500+/-0.051 χ^2/NDF:1175529.4/24

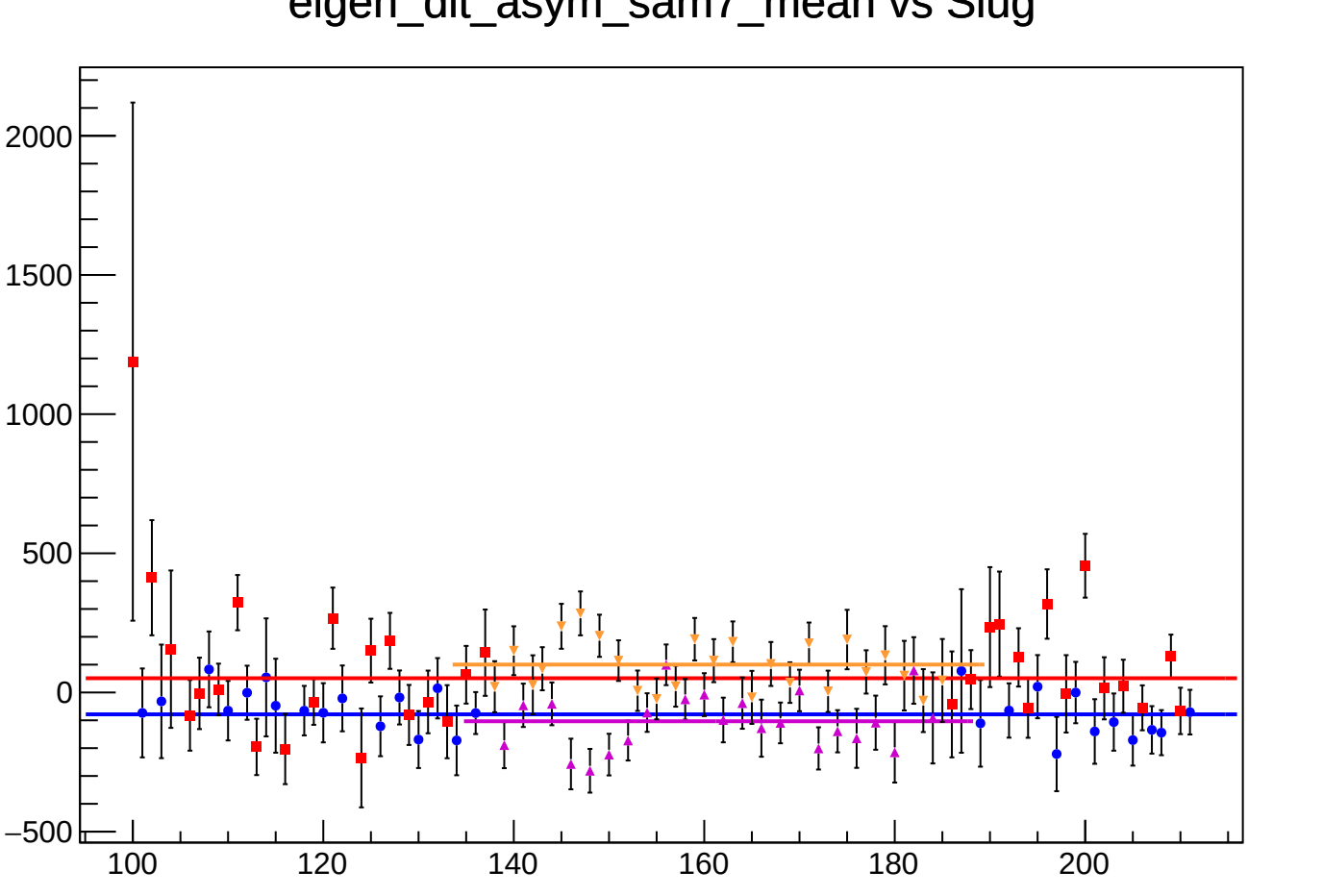
Right Out: 387.979+/-0.079 χ^2/NDF: 11596247.9/32

Left In: 315.455+/-0.053 χ^2/NDF:1008523.1/22

+ sign 339.449+/-0.044 χ^2/NDF: 11145955.1/52

All: 338.749+/-0.031 χ^2/NDF: 24335225.1/10

- sign 338.040+/-0.044 χ^2/NDF: 13188752.7/55



Right In: -78.517+/-20.520 χ^2/NDF: 10.7/27

Left Out: 100.276+/-16.625 χ^2/NDF:27.7/24

Right Out: 51.136+/-19.911 χ^2/NDF: 63.2/32

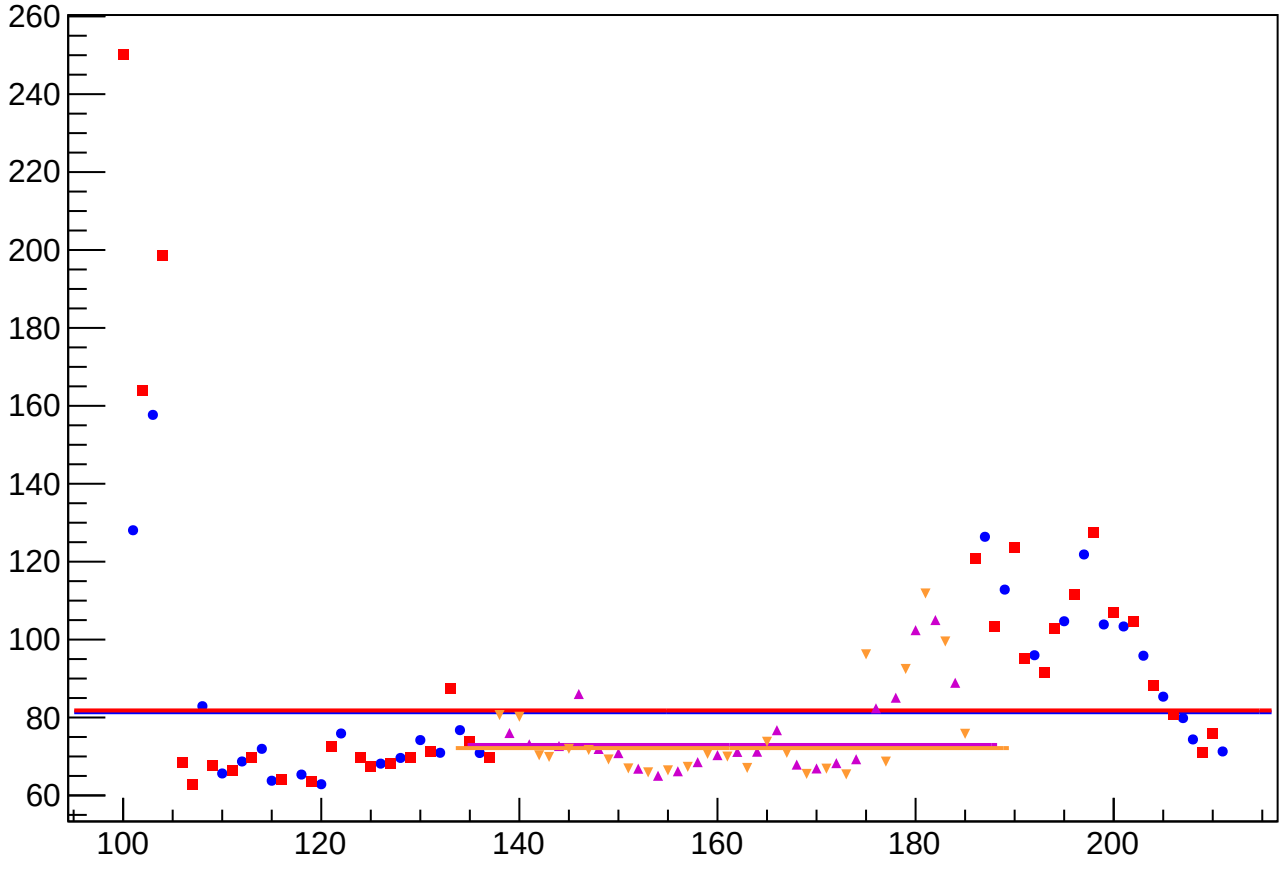
Left In: -103.363+/-17.260 χ^2/NDF:32.7/22

+ sign 29.423+/-12.918 χ^2/NDF: 84.2/52

All: -3.506+/-9.178 χ^2/NDF: 227.6/108

- sign -37.073+/-13.042 χ^2/NDF: 130.3/55

eigen_dit_asym_sam7_rms vs Slug



Right In: 81.358+/-0.015 χ^2/NDF: 1500873.4/27

Left Out: 72.150+/-0.012 χ^2/NDF:641967.4/24

Right Out: 81.813+/-0.014 χ^2/NDF: 2126944.8/32

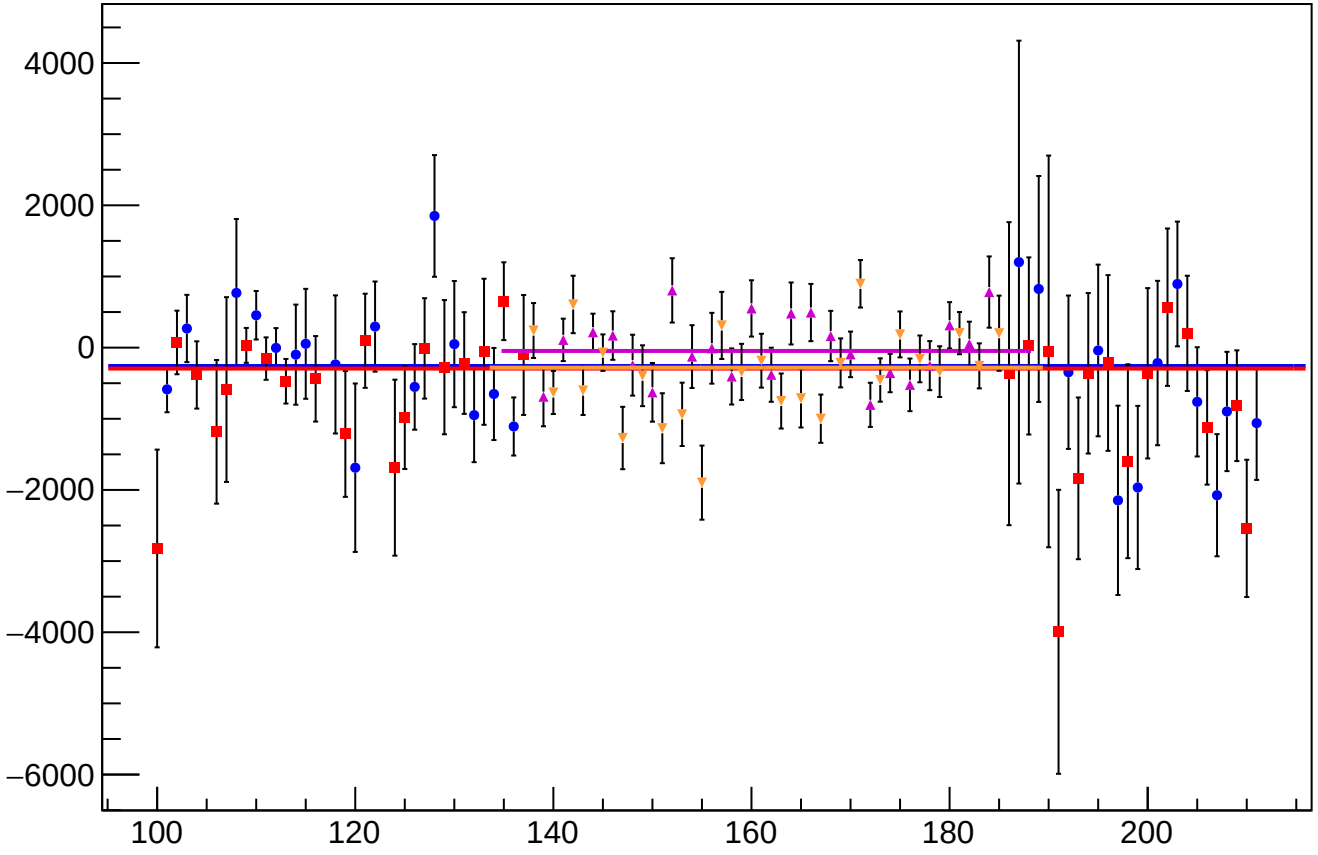
Left In: 72.948+/-0.012 χ^2/NDF:509028.7/22

+ sign 75.799+/-0.009 χ^2/NDF: 2385982.6/52

All: 76.271+/-0.006 χ^2/NDF: 5253718.3/108

- sign 76.752+/-0.009 χ^2/NDF: 2862342.8/55

asym_sam7_eigen_dit_correction_mean vs Slug



Right In: -258.856+/-117.776 χ^2/NDF: 36.3/27

Left Out: -281.205+/-72.538 χ^2/NDF:56.8/24

Right Out: -294.246+/-111.371 χ^2/NDF: 28.3/32

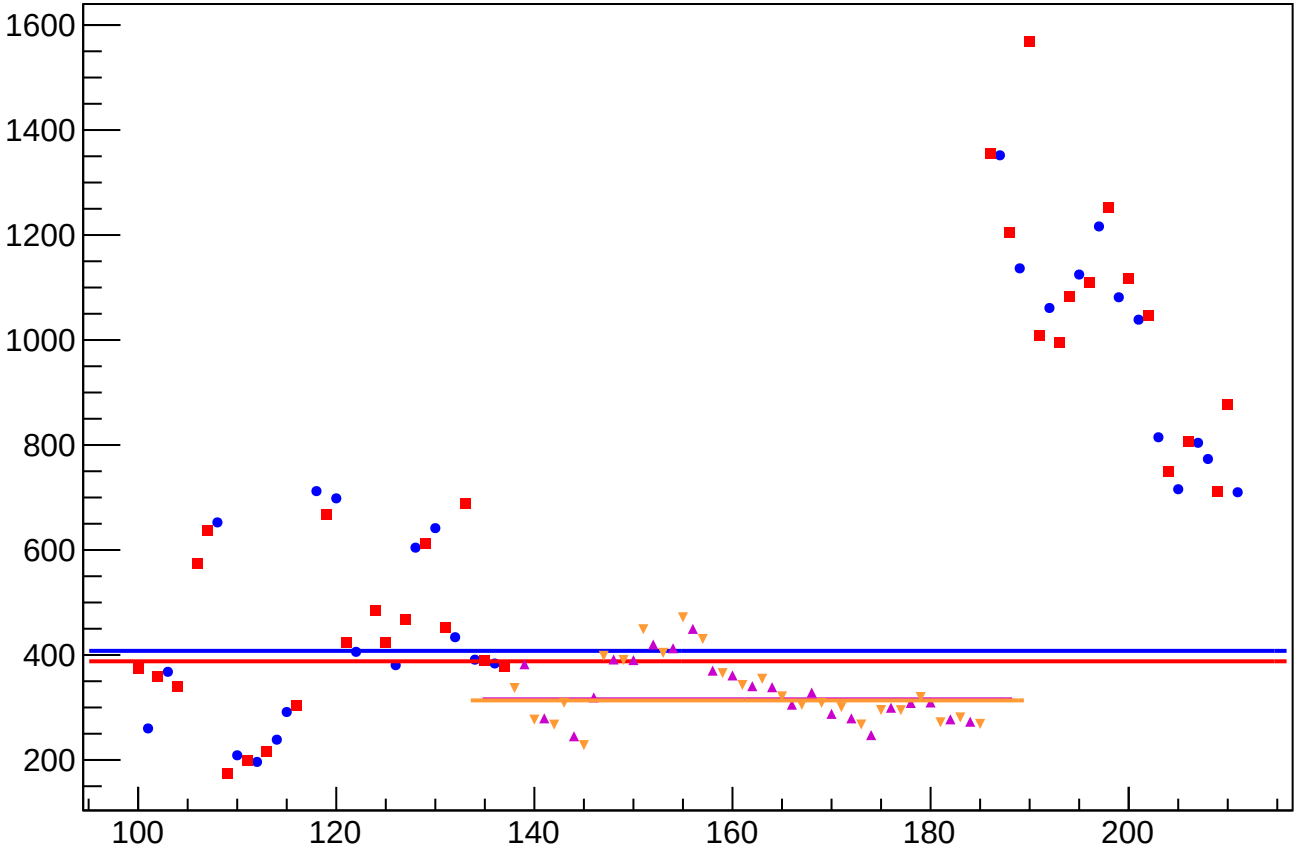
Left In: -46.569+/-74.897 χ^2/NDF:30.7/22

\+ sign -275.059+/-61.763 χ^2/NDF: 93.2/52

All: -199.852+/-43.809 χ^2/NDF: 158.6/108

\- sign -123.700+/-62.150 χ^2/NDF: 62.4/55

asym_sam7_eigen_dit_correction_rms vs Slug



Right In: 407.856+/-0.083 χ^2/NDF: 9039829.4/27

Left Out: 313.500+/-0.051 χ^2/NDF:1175534.8/24

Right Out: 387.977+/-0.079 χ^2/NDF: 11596305.5/32

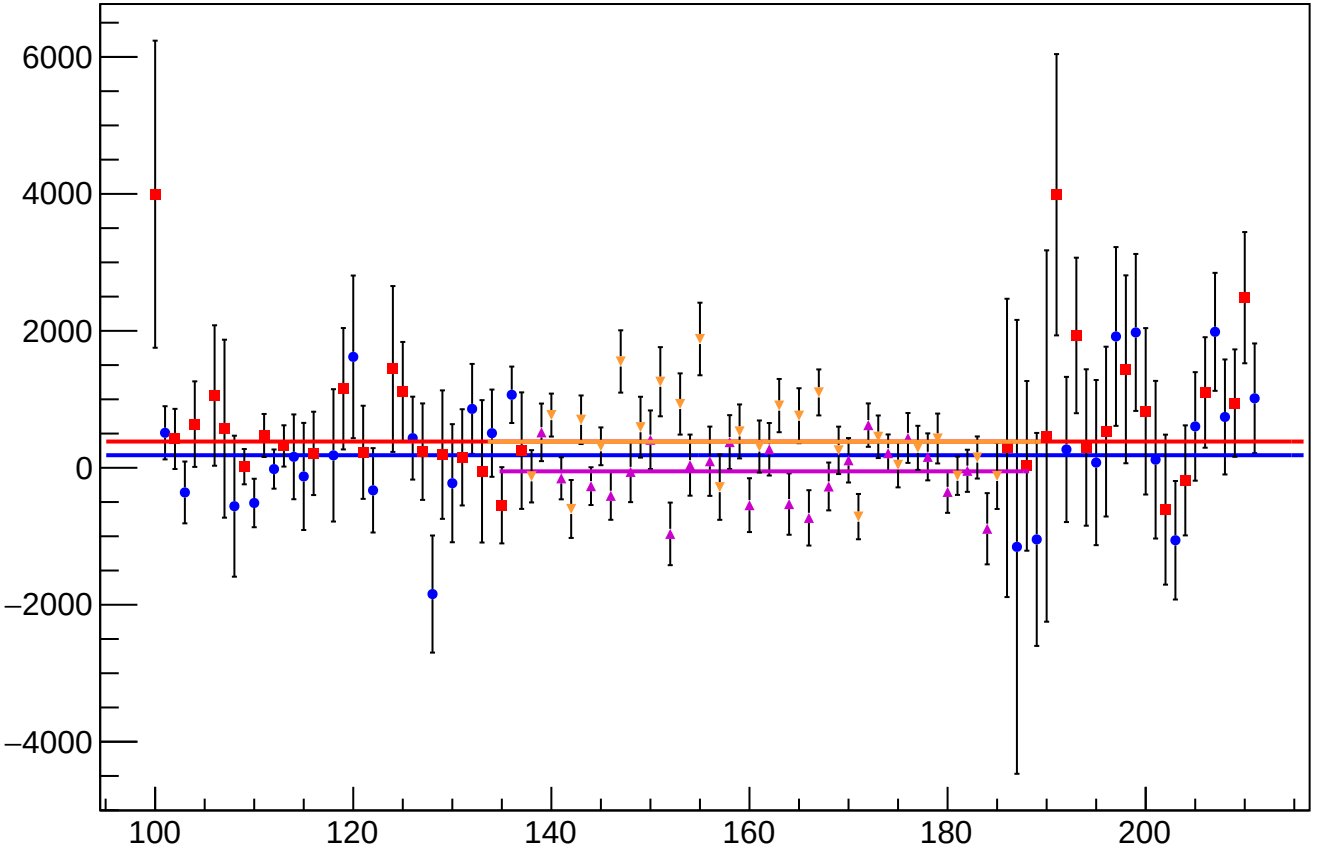
Left In: 315.456+/-0.053 χ^2/NDF:1008521.8/22

+ sign 339.449+/-0.044 χ^2/NDF: 11146004.0/52

All: 338.749+/-0.031 χ^2/NDF: 24335297.1/10

- sign 338.040+/-0.044 χ^2/NDF: 13188776.1/55

asym_sam7_mean vs Slug



Right In: 183.843+/-120.480 χ^2/NDF: 34.6/27

Left Out: 380.624+/-73.057 χ^2/NDF:55.4/24

Right Out: 383.605+/-114.412 χ^2/NDF: 24.4/32

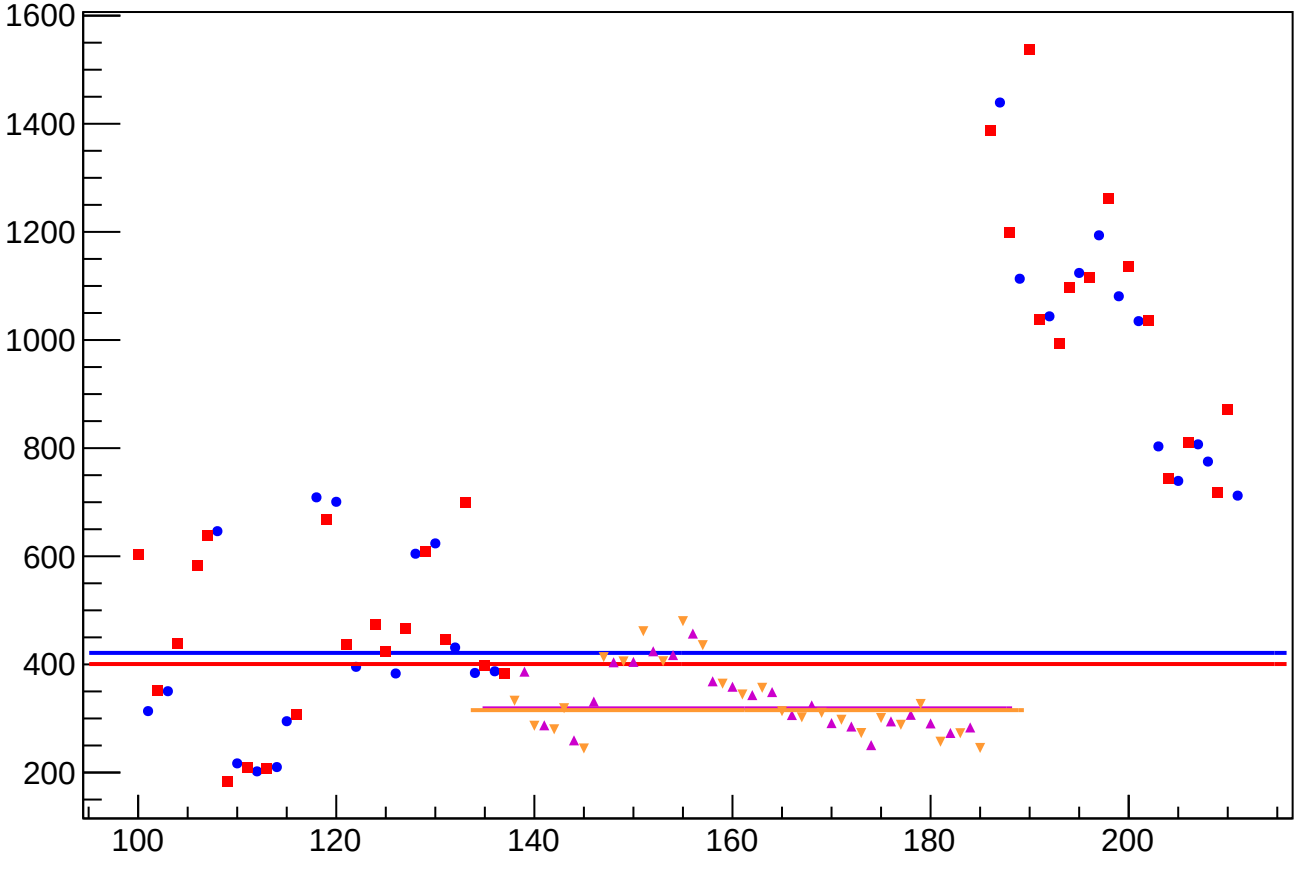
Left In: -51.474+/-75.629 χ^2/NDF:28.2/22

+ sign 327.720+/-62.469 χ^2/NDF: 91.9/52

All: 205.497+/-44.391 χ^2/NDF: 162.4/108

- sign 80.827+/-63.091 χ^2/NDF: 62.7/55

asym_sam7_rms vs Slug



Right In: 421.277+/-0.085 χ^2/NDF: 8563933.3/27

Left Out: 315.396+/-0.052 χ^2/NDF:1210106.0/24

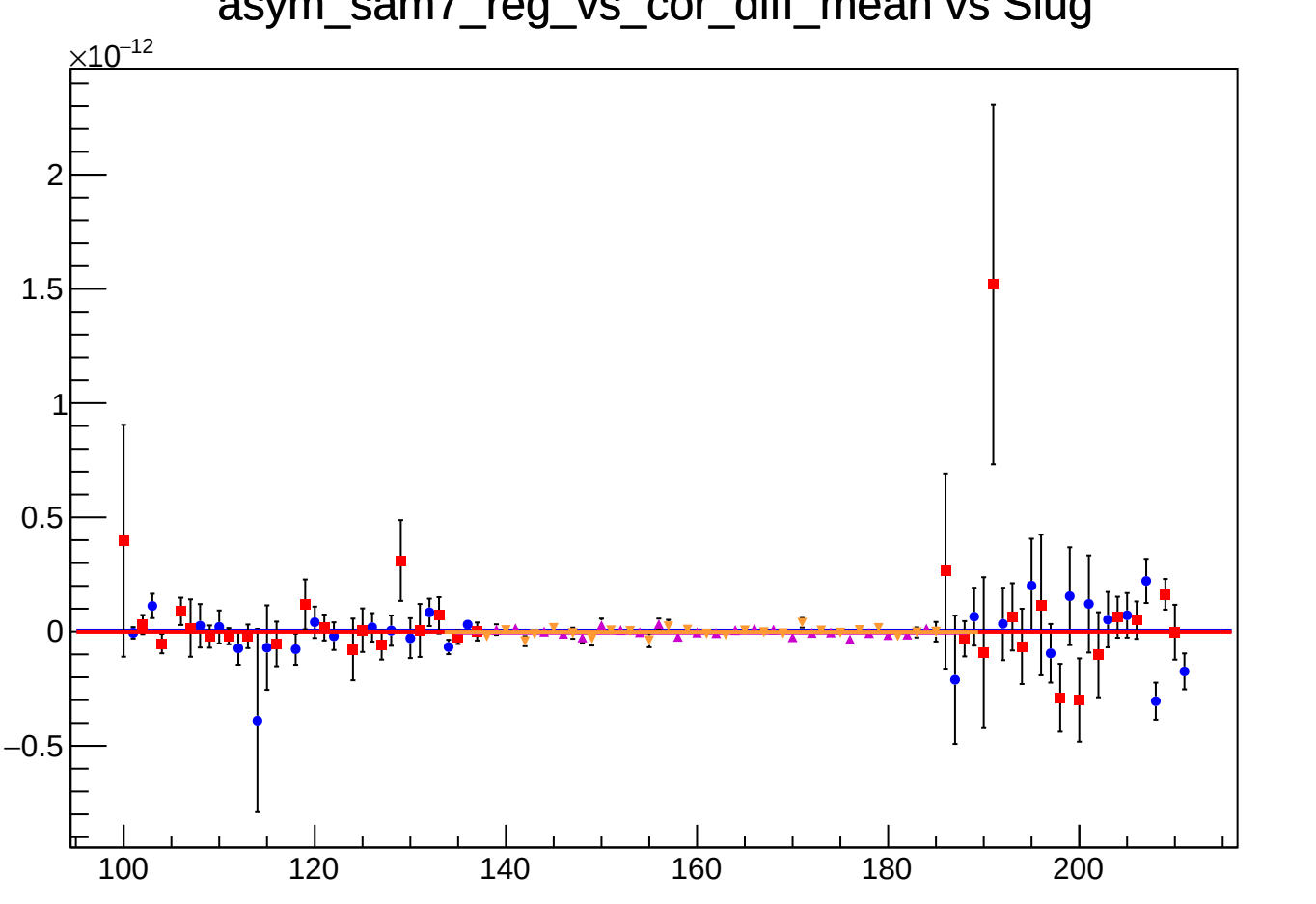
Right Out: 400.665+/-0.081 χ^2/NDF: 11315605.5/32

Left In: 318.688+/-0.053 χ^2/NDF:991604.7/22

+ sign 343.861+/-0.044 χ^2/NDF: 10903454.8/52

All: 343.740+/-0.031 χ^2/NDF: 23925218.0/10

- sign 343.616+/-0.045 χ^2/NDF: 13021748.0/55



Right In: 0.000+/-0.000 χ^2/NDF: 46.3/27

Left Out: -0.000+/-0.000 χ^2/NDF:19.0/24

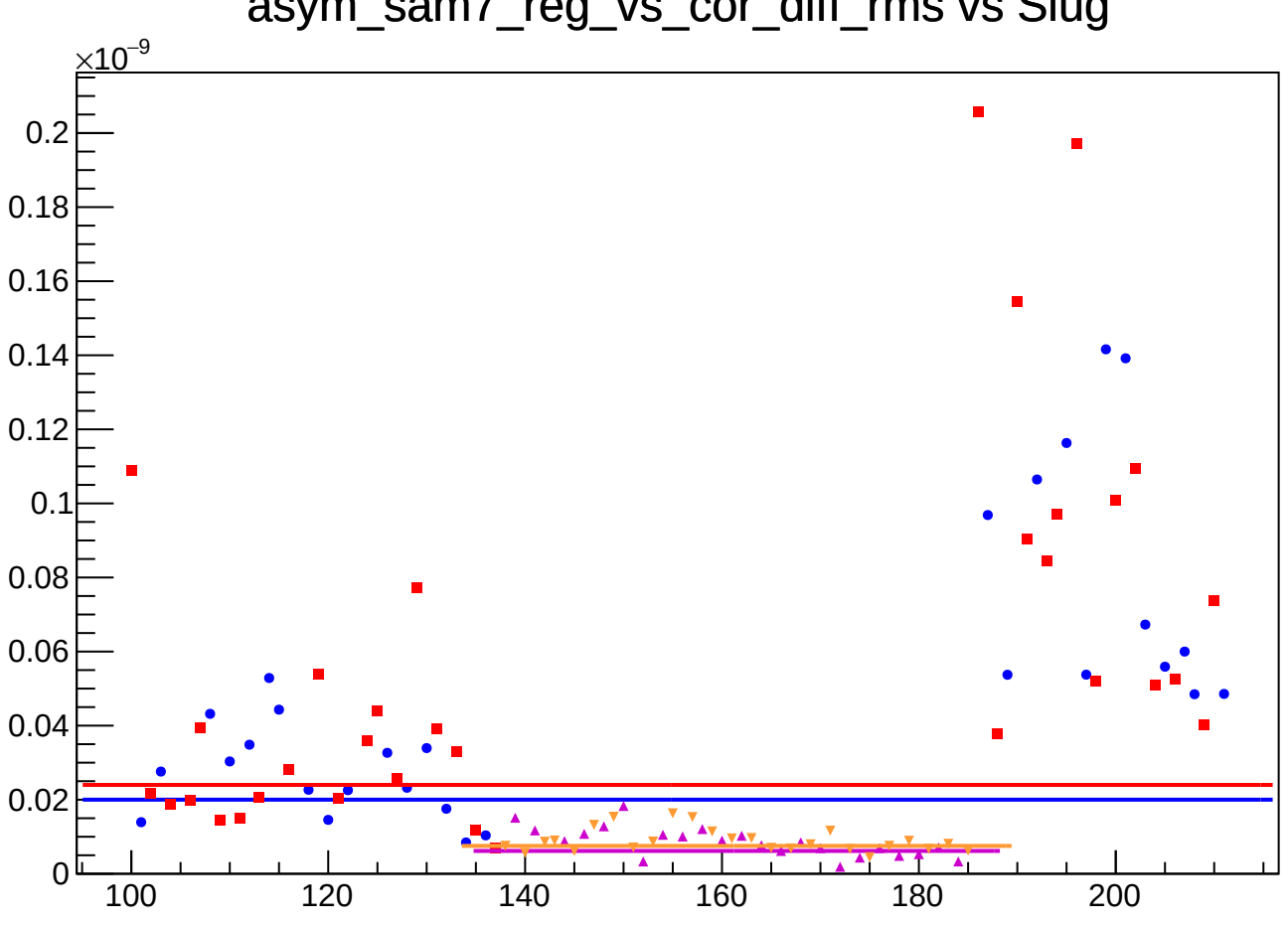
Right Out: -0.000+/-0.000 χ^2/NDF: 31.4/32

Left In: -0.000+/-0.000 χ^2/NDF:17.7/22

+ sign -0.000+/-0.000 χ^2/NDF: 65.5/52

All: -0.000+/-0.000 χ^2/NDF: 115.1/108

- sign -0.000+/-0.000 χ^2/NDF: 49.1/55



Right In: 0.000+/-0.000 χ^2/NDF: 5649206.8/27

Left Out: 0.000+/-0.000 χ^2/NDF:1208953.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5432289.0/32

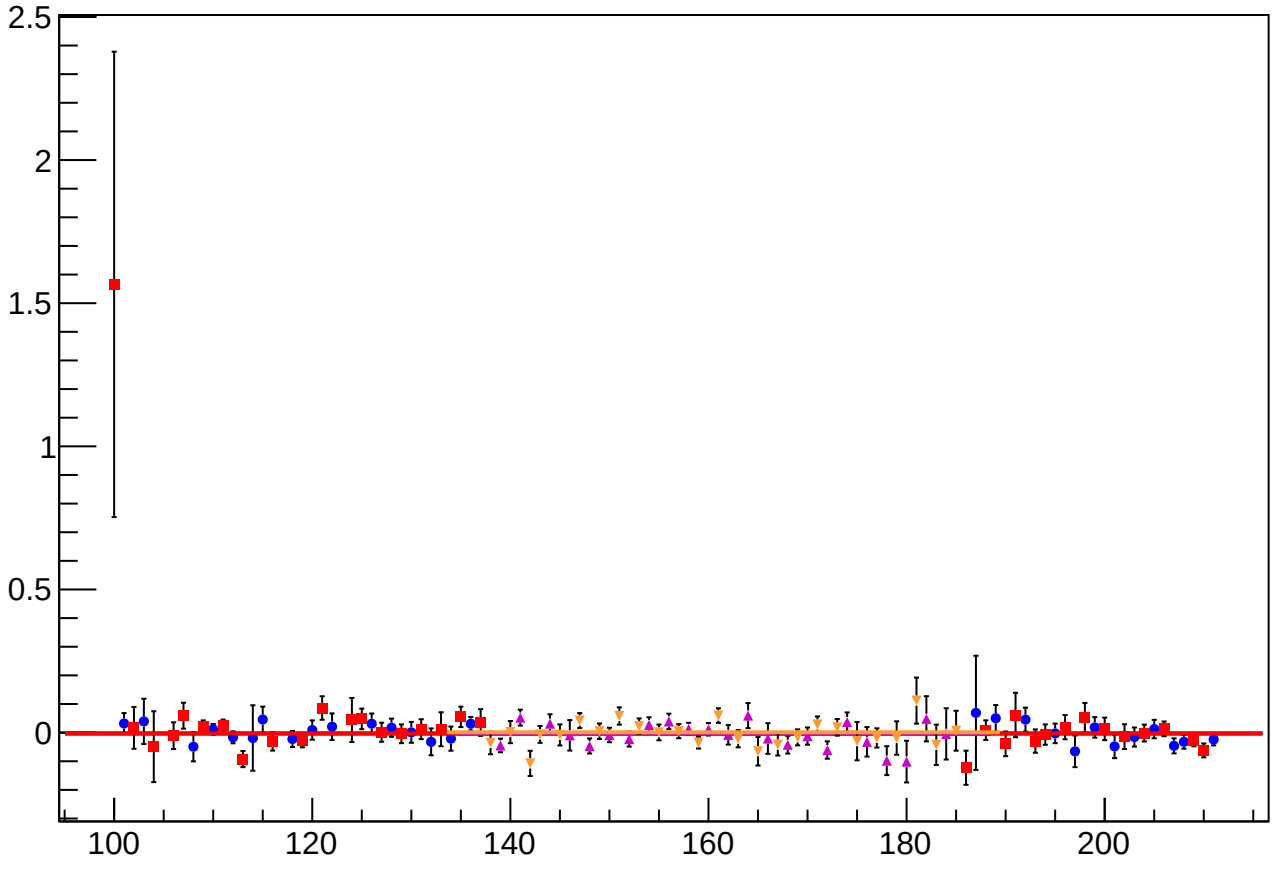
Left In: 0.000+/-0.000 χ^2/NDF:2784673.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 9467821.8/52

All: 0.000+/-0.000 χ^2/NDF: 22086241.0/108

- sign 0.000+/-0.000 χ^2/NDF: 12407430.6/55

asym_sam7_dit_vs_cor_diff_mean vs Slug



Right In: -0.003+/-0.006 χ^2/NDF: 20.3/27

Left Out: 0.001+/-0.006 χ^2/NDF:30.3/24

Right Out: -0.003+/-0.006 χ^2/NDF: 47.0/32

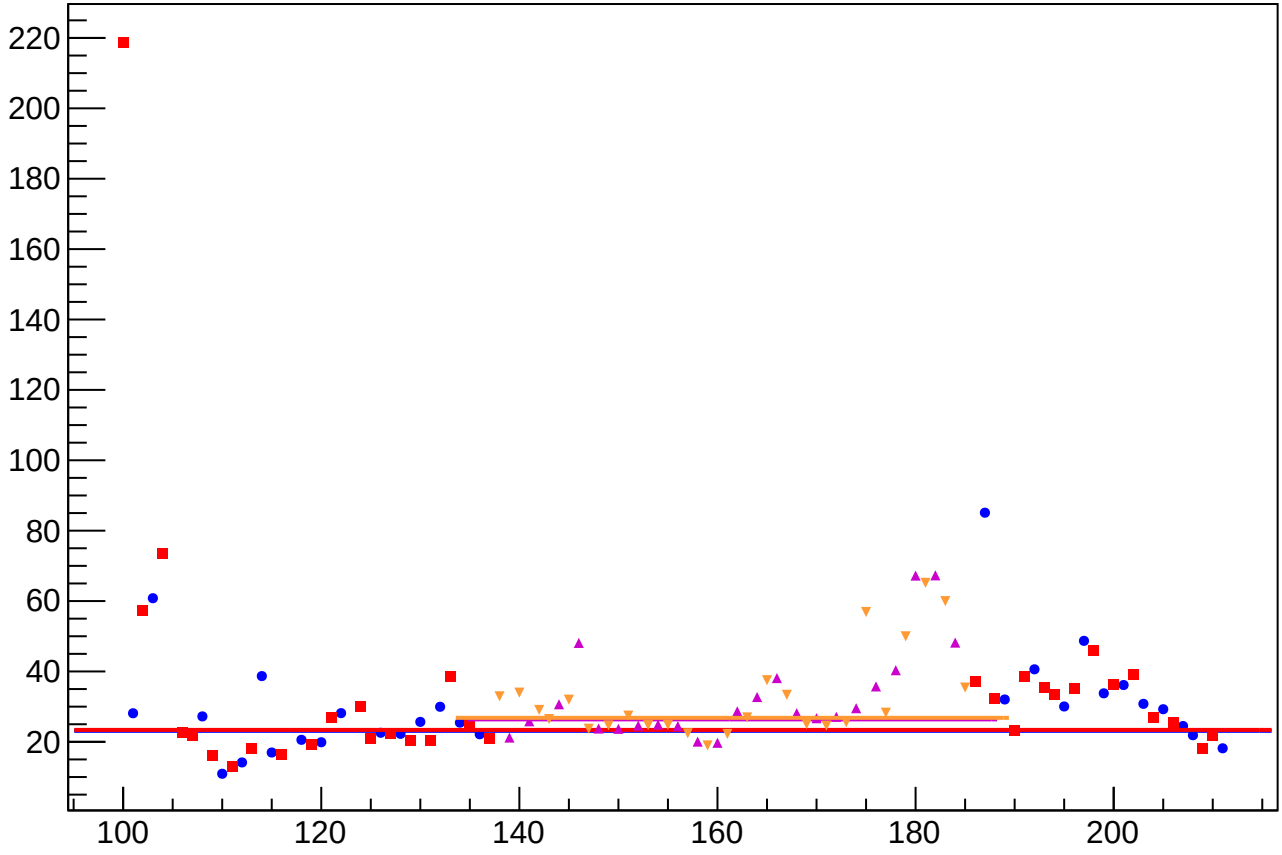
Left In: -0.004+/-0.007 χ^2/NDF:31.1/22

+ sign -0.001+/-0.004 χ^2/NDF: 50.8/52

All: -0.002+/-0.003 χ^2/NDF: 129.1/108

- sign -0.003+/-0.004 χ^2/NDF: 78.2/55

asym_sam7_dit_vs_cor_diff_rms vs Slug



Right In: 23.130+/-0.004 χ^2/NDF: 3747198.0/27

Left Out: 26.820+/-0.005 χ^2/NDF:2469807.6/24

Right Out: 23.391+/-0.004 χ^2/NDF: 3952586.9/32

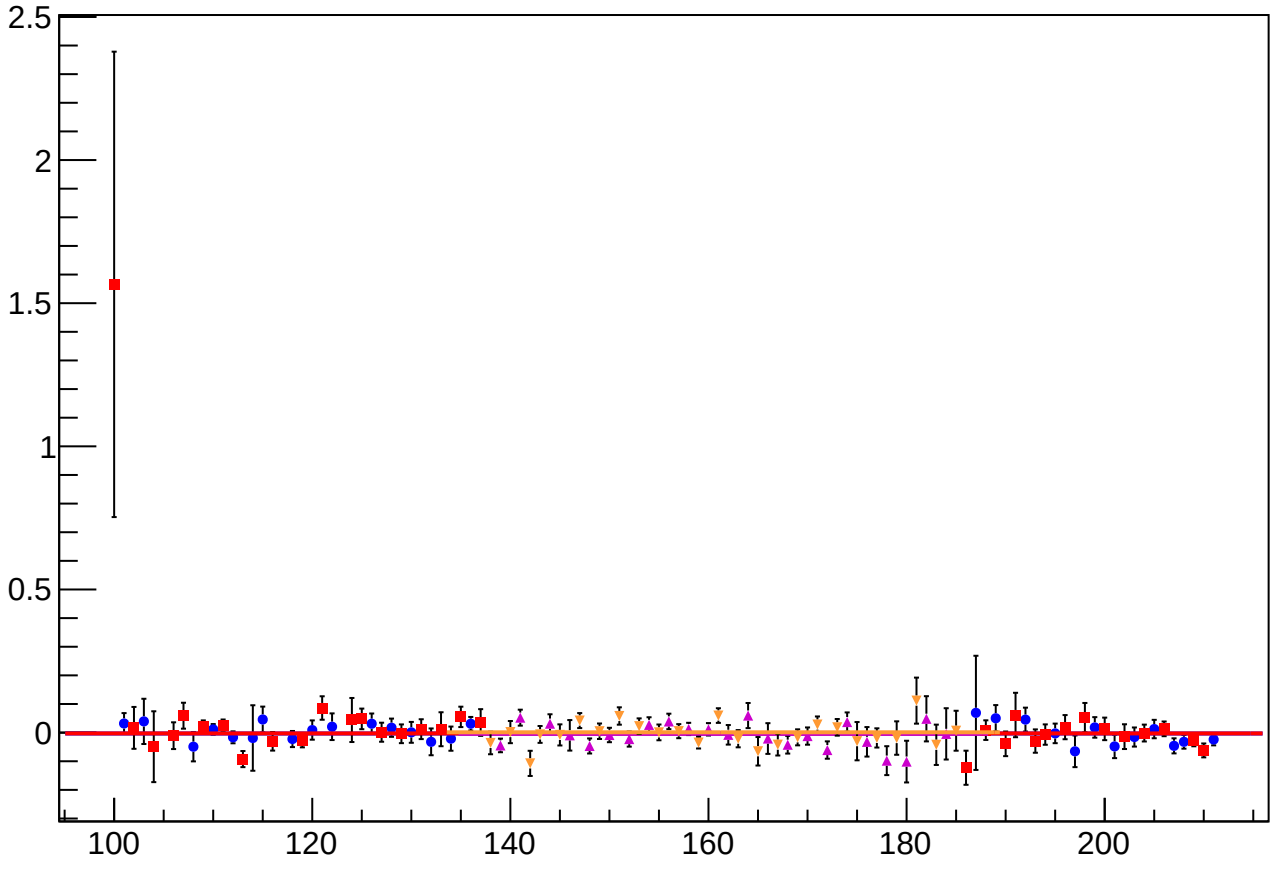
Left In: 26.376+/-0.005 χ^2/NDF:2566400.7/22

+ sign 24.889+/-0.003 χ^2/NDF: 6555053.1/52

All: 24.818+/-0.002 χ^2/NDF: 13298046.1/108

- sign 24.748+/-0.003 χ^2/NDF: 6741999.9/55

asym_sam7_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.003+/-0.006 χ^2/NDF: 20.3/27

Left Out: 0.001+/-0.006 χ^2/NDF:30.3/24

Right Out: -0.003+/-0.006 χ^2/NDF: 47.0/32

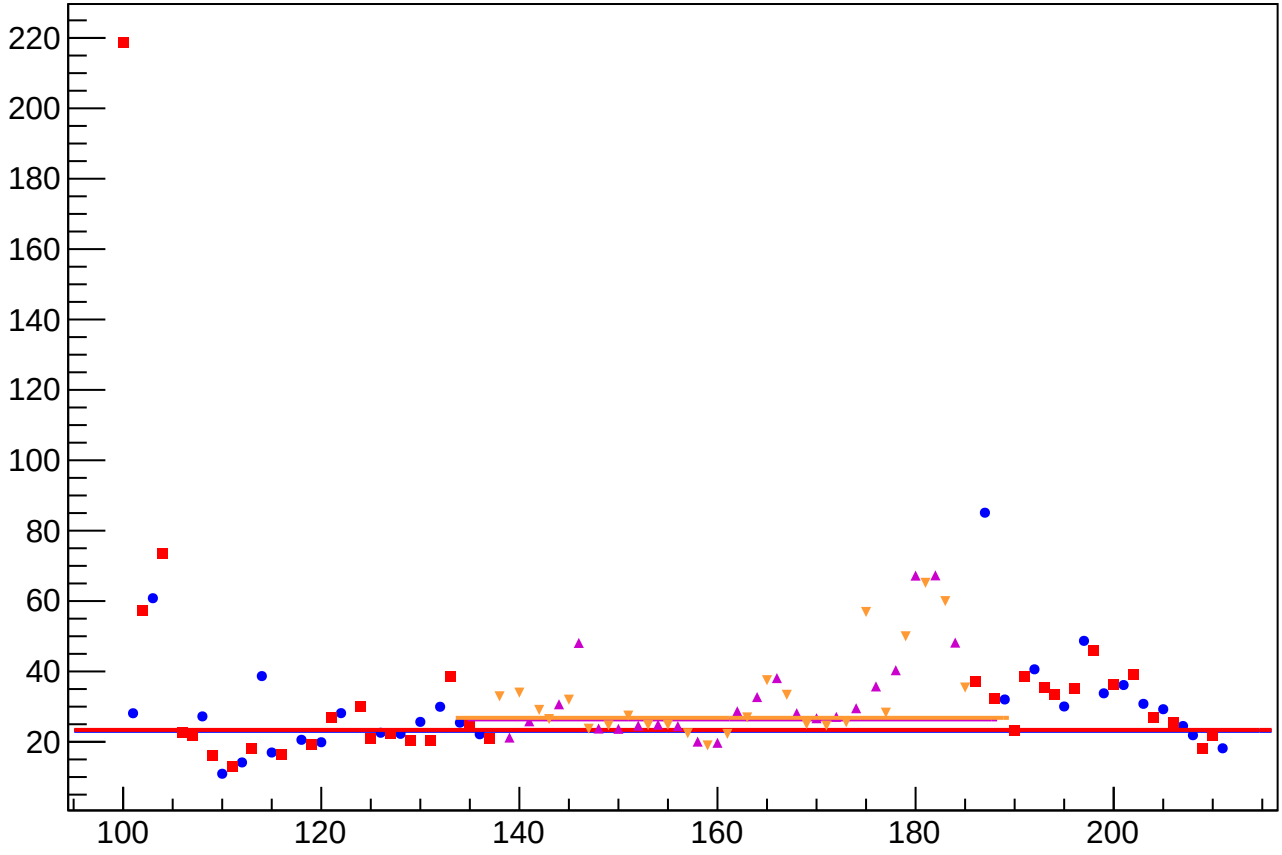
Left In: -0.004+/-0.007 χ^2/NDF:31.1/22

+ sign -0.001+/-0.004 χ^2/NDF: 50.8/52

All: -0.002+/-0.003 χ^2/NDF: 129.1/108

- sign -0.003+/-0.004 χ^2/NDF: 78.2/55

asym_sam7_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 23.130+/-0.004 χ^2/NDF: 3747198.0/27

Left Out: 26.820+/-0.005 χ^2/NDF:2469807.6/24

Right Out: 23.391+/-0.004 χ^2/NDF: 3952586.9/32

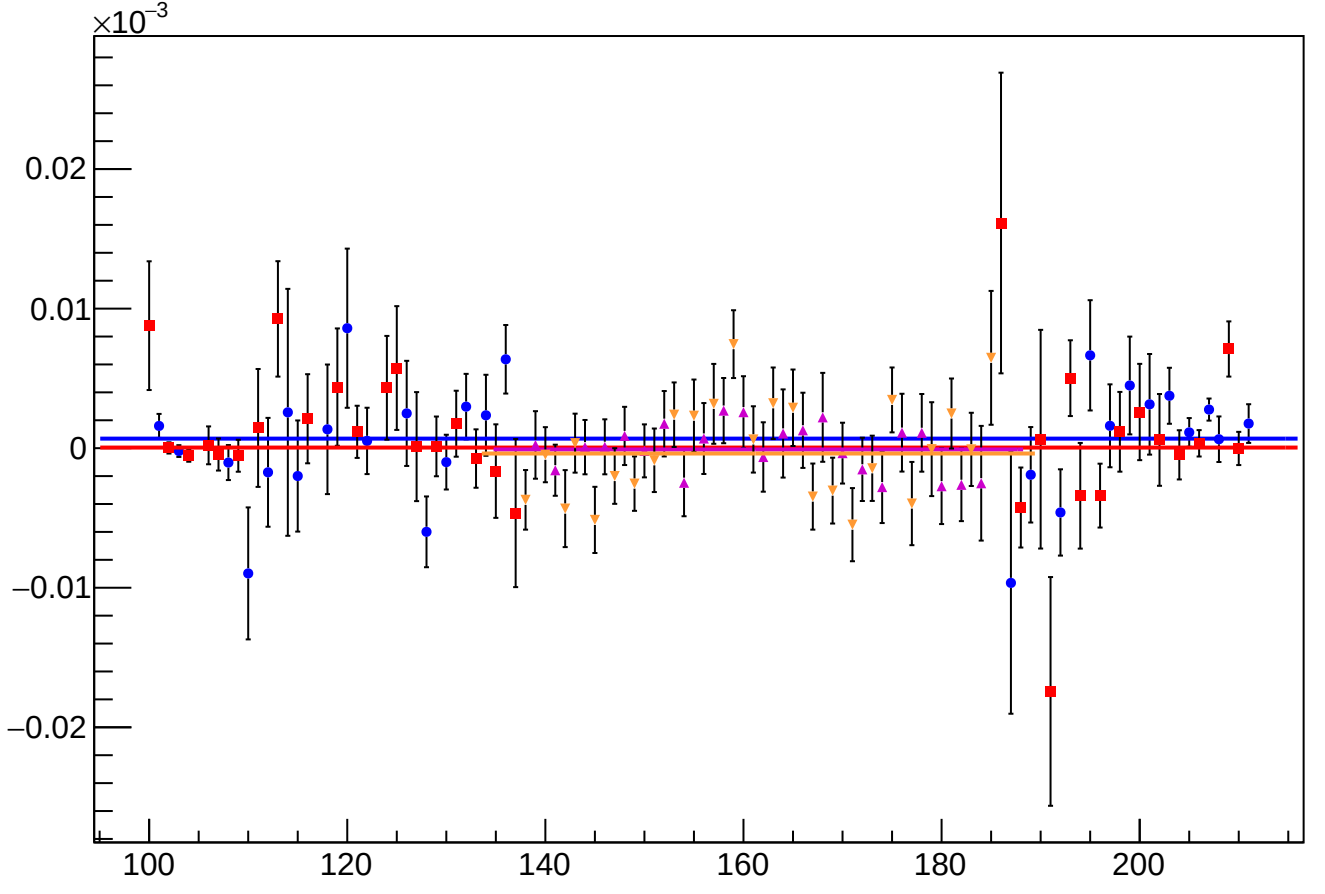
Left In: 26.376+/-0.005 χ^2/NDF:2566400.7/22

+ sign 24.889+/-0.003 χ^2/NDF: 6555053.1/52

All: 24.818+/-0.002 χ^2/NDF: 13298046.1/108

- sign 24.748+/-0.003 χ^2/NDF: 6741999.9/55

asym_sam7_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 47.8/27

Left Out: -0.000+/-0.000 χ^2/NDF:43.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 46.4/32

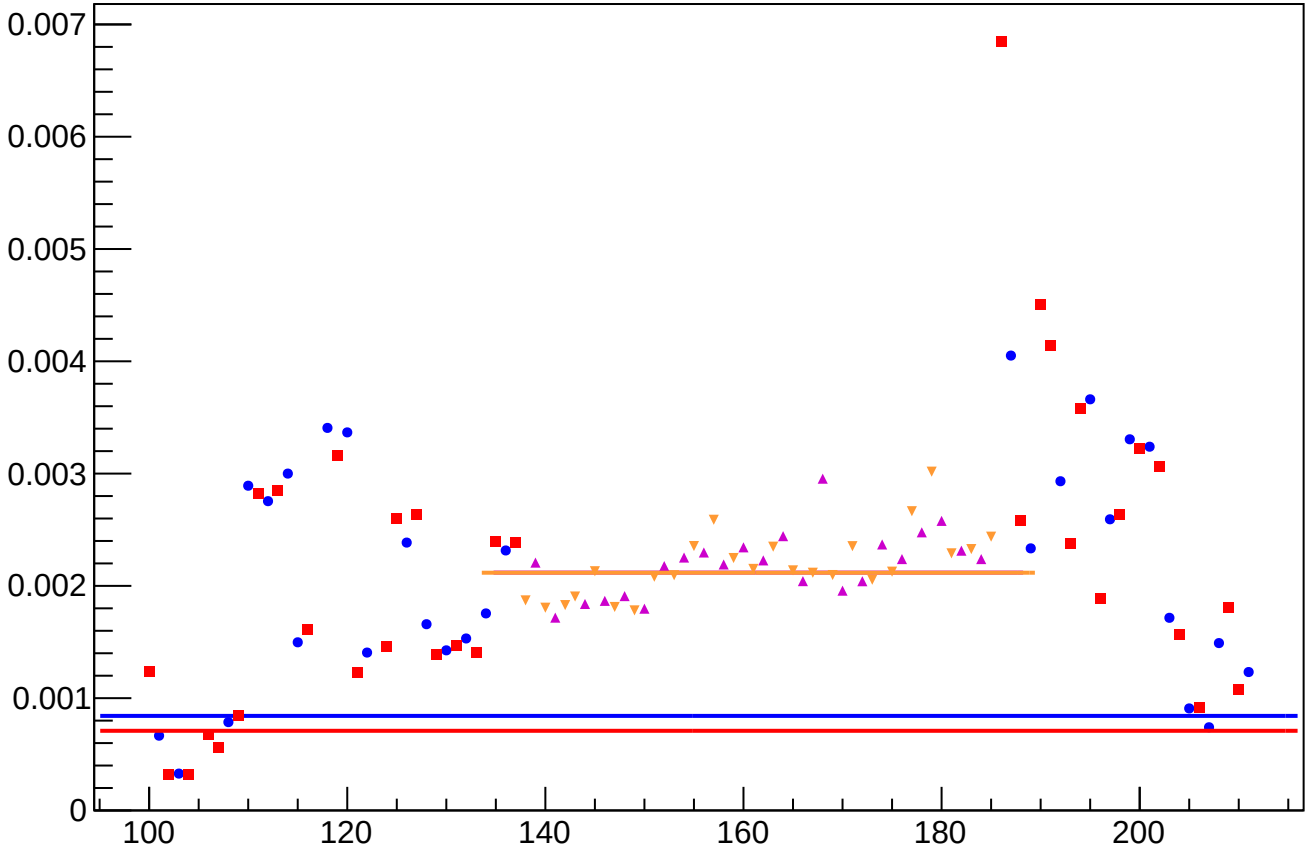
Left In: -0.000+/-0.000 χ^2/NDF:10.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 94.6/52

All: 0.000+/-0.000 χ^2/NDF: 152.8/108

- sign 0.000+/-0.000 χ^2/NDF: 56.6/55

asym_sam7_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 13019474.6/27

Left Out: 0.002+/-0.000 χ^2/NDF:578720.8/24

Right Out: 0.001+/-0.000 χ^2/NDF: 16843519.2/32

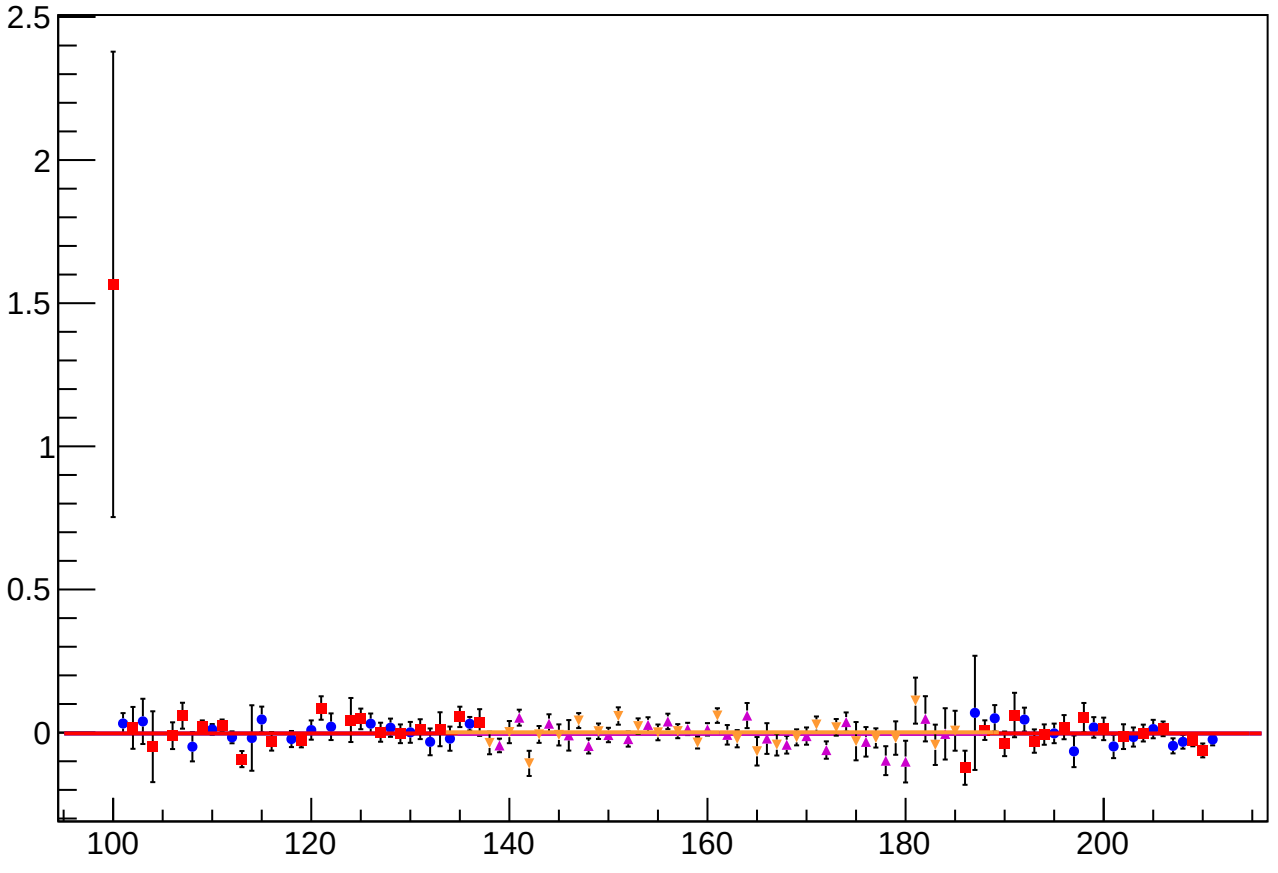
Left In: 0.002+/-0.000 χ^2/NDF:588580.3/22

+ sign 0.001+/-0.000 χ^2/NDF: 24012841.1/52

All: 0.001+/-0.000 χ^2/NDF: 55101968.4/108

- sign 0.001+/-0.000 χ^2/NDF: 30416937.4/55

asym_sam7_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.003+/-0.006 χ^2/NDF: 20.3/27

Left Out: 0.001+/-0.006 χ^2/NDF:30.3/24

Right Out: -0.003+/-0.006 χ^2/NDF: 47.0/32

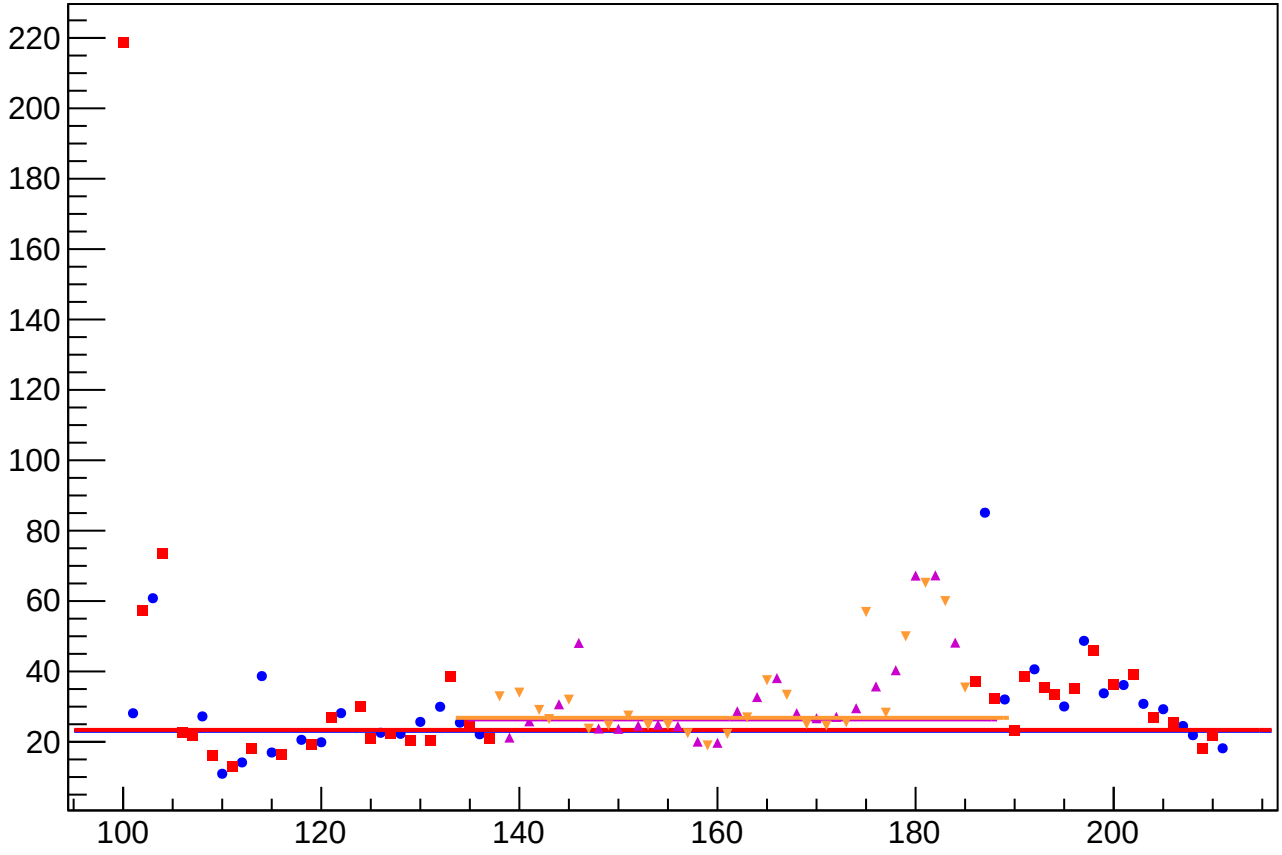
Left In: -0.004+/-0.007 χ^2/NDF:31.1/22

+ sign -0.001+/-0.004 χ^2/NDF: 50.8/52

All: -0.002+/-0.003 χ^2/NDF: 129.1/108

- sign -0.003+/-0.004 χ^2/NDF: 78.1/55

asym_sam7_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 23.130+/-0.004 χ^2/NDF: 3746945.2/27

Left Out: 26.820+/-0.005 χ^2/NDF:2469855.0/24

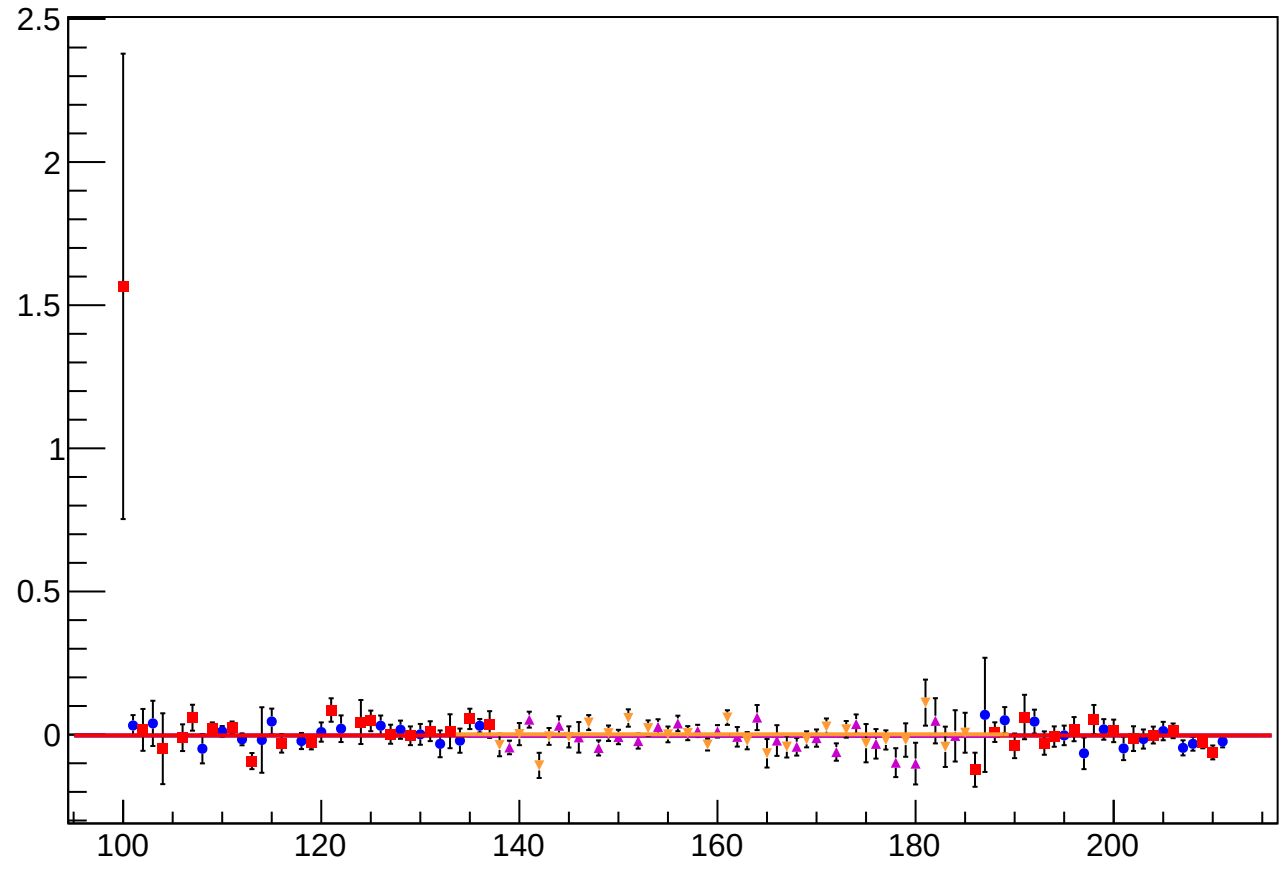
Right Out: 23.391+/-0.004 χ^2/NDF: 3952385.7/32

Left In: 26.376+/-0.005 χ^2/NDF:2566477.5/22

+ sign 24.889+/-0.003 χ^2/NDF: 6554786.4/52

All: 24.818+/-0.002 χ^2/NDF: 13297652.3/108

- sign 24.748+/-0.003 χ^2/NDF: 6741870.0/55



Right In: -0.003+/-0.006 χ^2/NDF: 20.3/27

Left Out: 0.001+/-0.006 χ^2/NDF:30.3/24

Right Out: -0.003+/-0.006 χ^2/NDF: 47.0/32

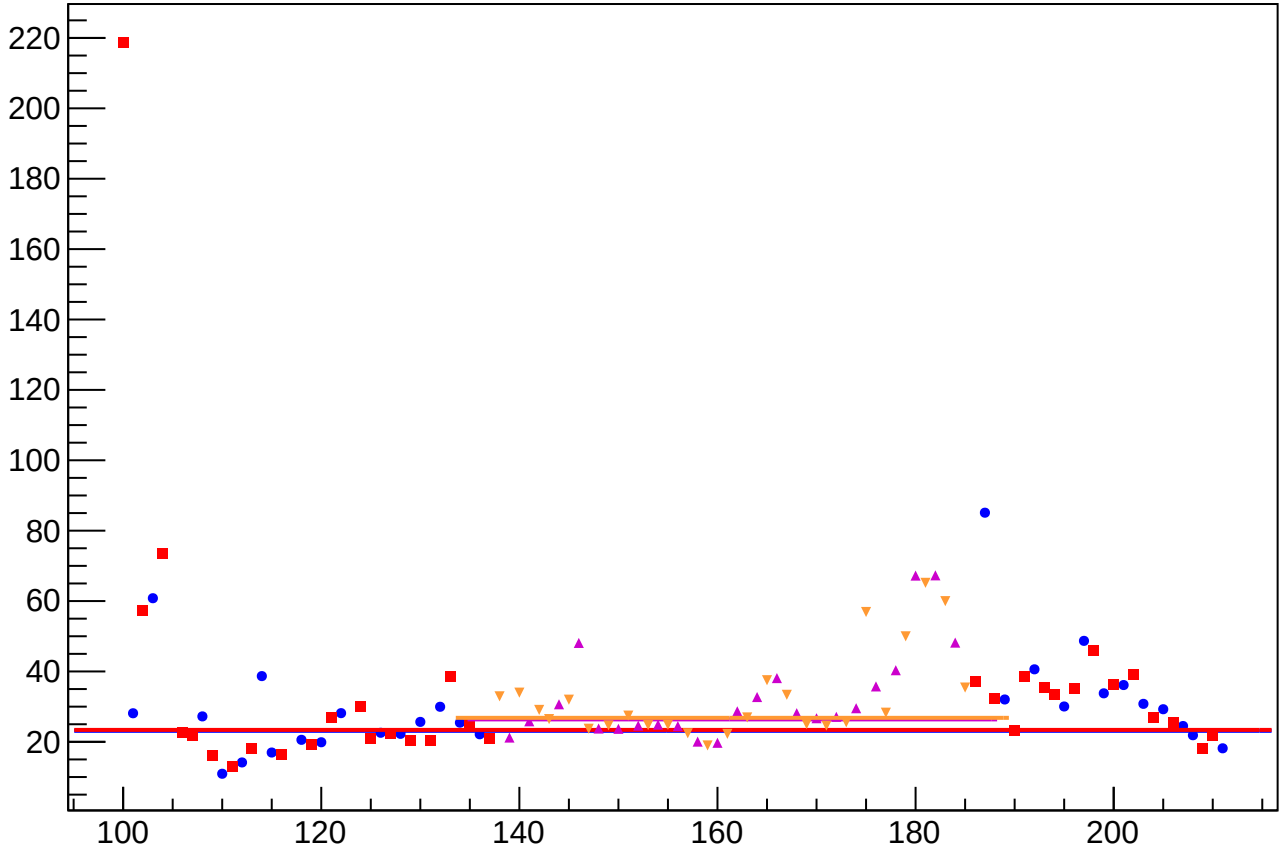
Left In: -0.004+/-0.007 χ^2/NDF:31.1/22

+ sign -0.001+/-0.004 χ^2/NDF: 50.8/52

All: -0.002+/-0.003 χ^2/NDF: 129.1/108

- sign -0.003+/-0.004 χ^2/NDF: 78.1/55

asym_sam7_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 23.130+/-0.004 χ^2/NDF: 3746945.2/27

Left Out: 26.820+/-0.005 χ^2/NDF:2469855.0/24

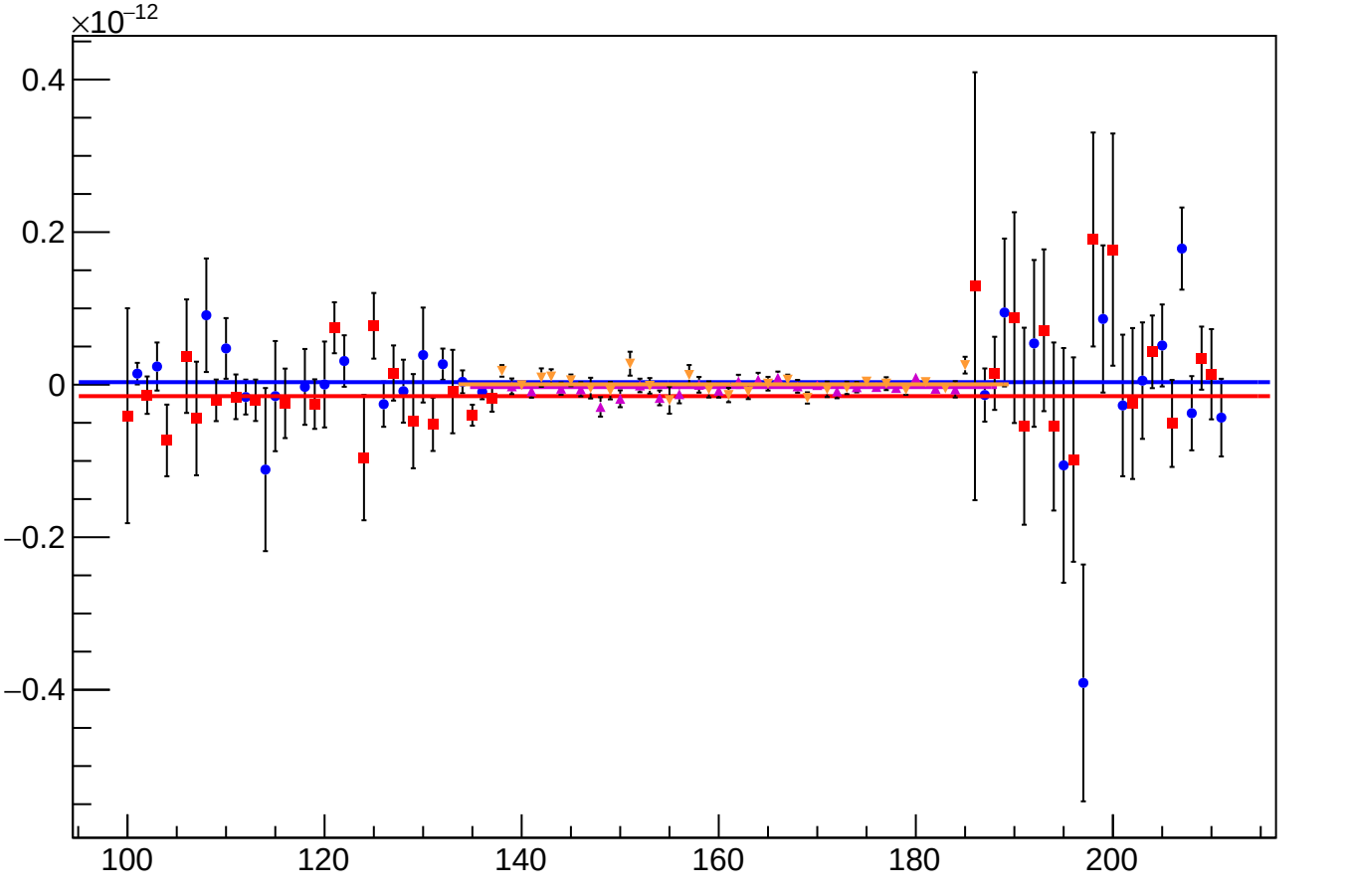
Right Out: 23.391+/-0.004 χ^2/NDF: 3952385.7/32

Left In: 26.376+/-0.005 χ^2/NDF:2566477.5/22

+ sign 24.889+/-0.003 χ^2/NDF: 6554786.4/52

All: 24.818+/-0.002 χ^2/NDF: 13297652.3/108

- sign 24.748+/-0.003 χ^2/NDF: 6741870.0/55



Right In: 0.000+/-0.000 χ^2/NDF: 32.9/27

Left Out: 0.000+/-0.000 χ^2/NDF:32.6/24

Right Out: -0.000+/-0.000 χ^2/NDF: 30.4/32

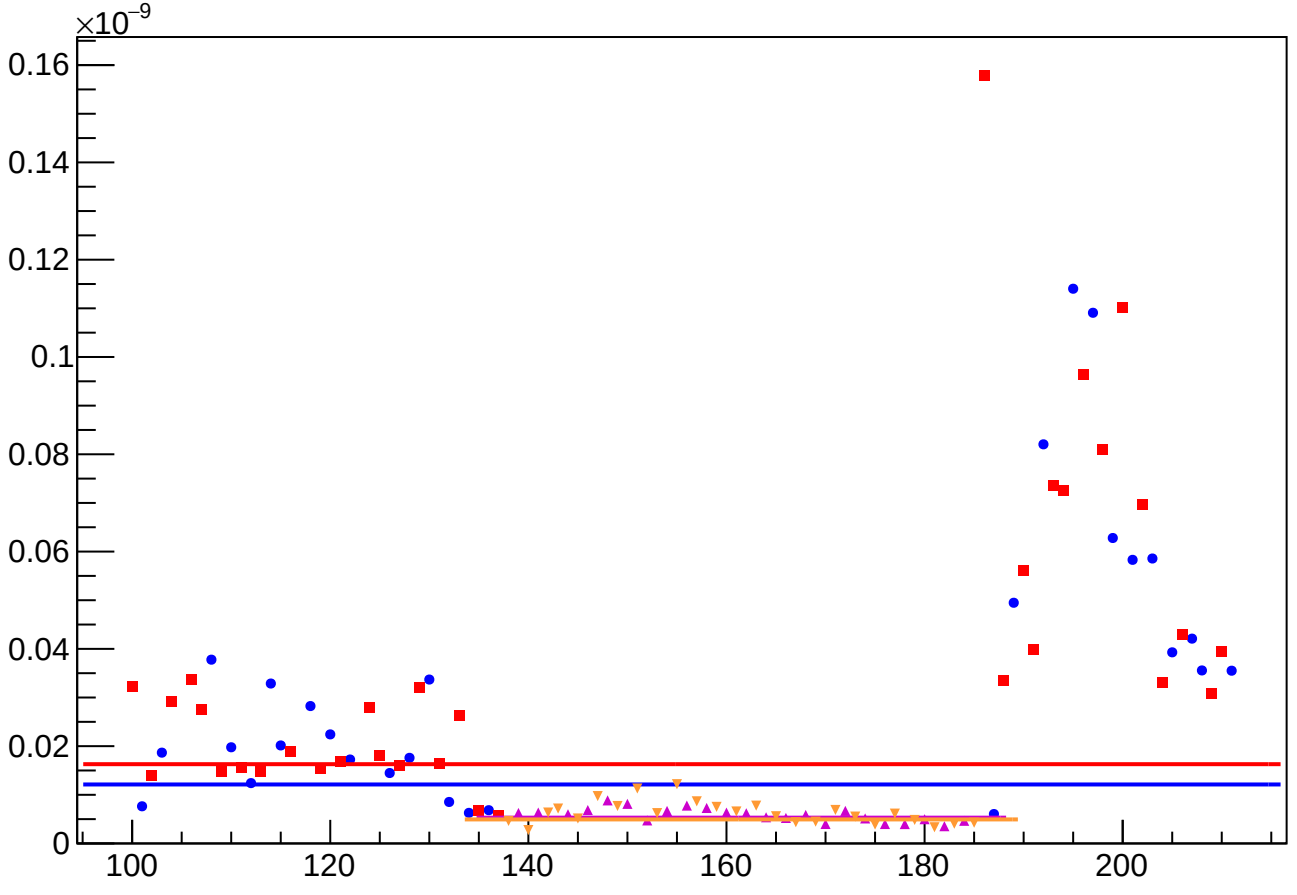
Left In: -0.000+/-0.000 χ^2/NDF:19.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 65.8/52

All: -0.000+/-0.000 χ^2/NDF: 122.5/108

- sign -0.000+/-0.000 χ^2/NDF: 52.5/55

asym_sam7_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 8938328.3/27

Left Out: 0.000+/-0.000 χ^2/NDF:2747591.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8121035.2/32

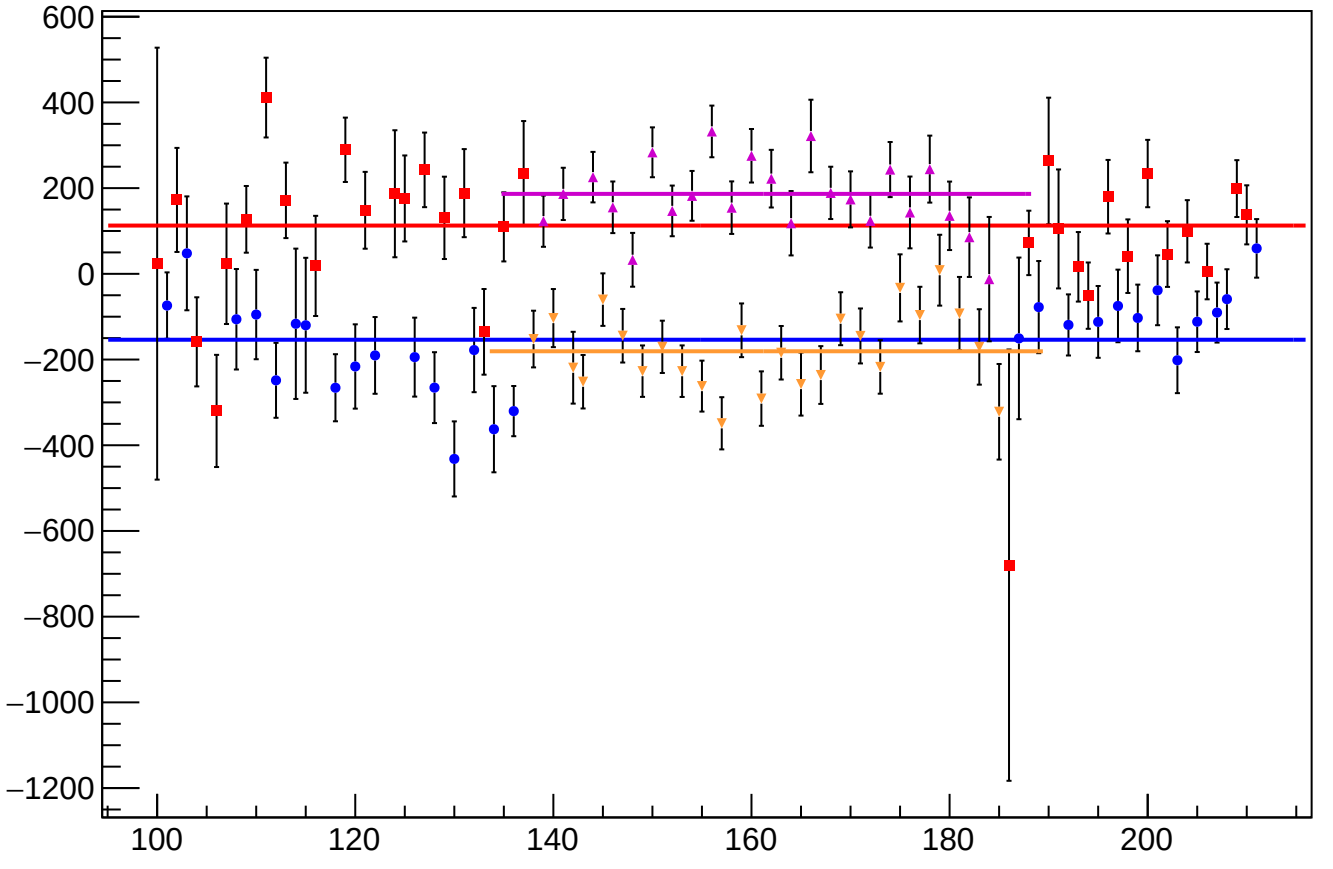
Left In: 0.000+/-0.000 χ^2/NDF:1247237.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 14893333.3/52

All: 0.000+/-0.000 χ^2/NDF: 29507494.5/108

- sign 0.000+/-0.000 χ^2/NDF: 14524915.4/55

reg_asym_sam8_mean vs Slug



Right In: -153.785+/-16.279 χ^2/NDF: 49.7/27

Left Out: -180.685+/-13.419 χ^2/NDF:38.6/24

Right Out: 112.645+/-15.961 χ^2/NDF: 64.9/32

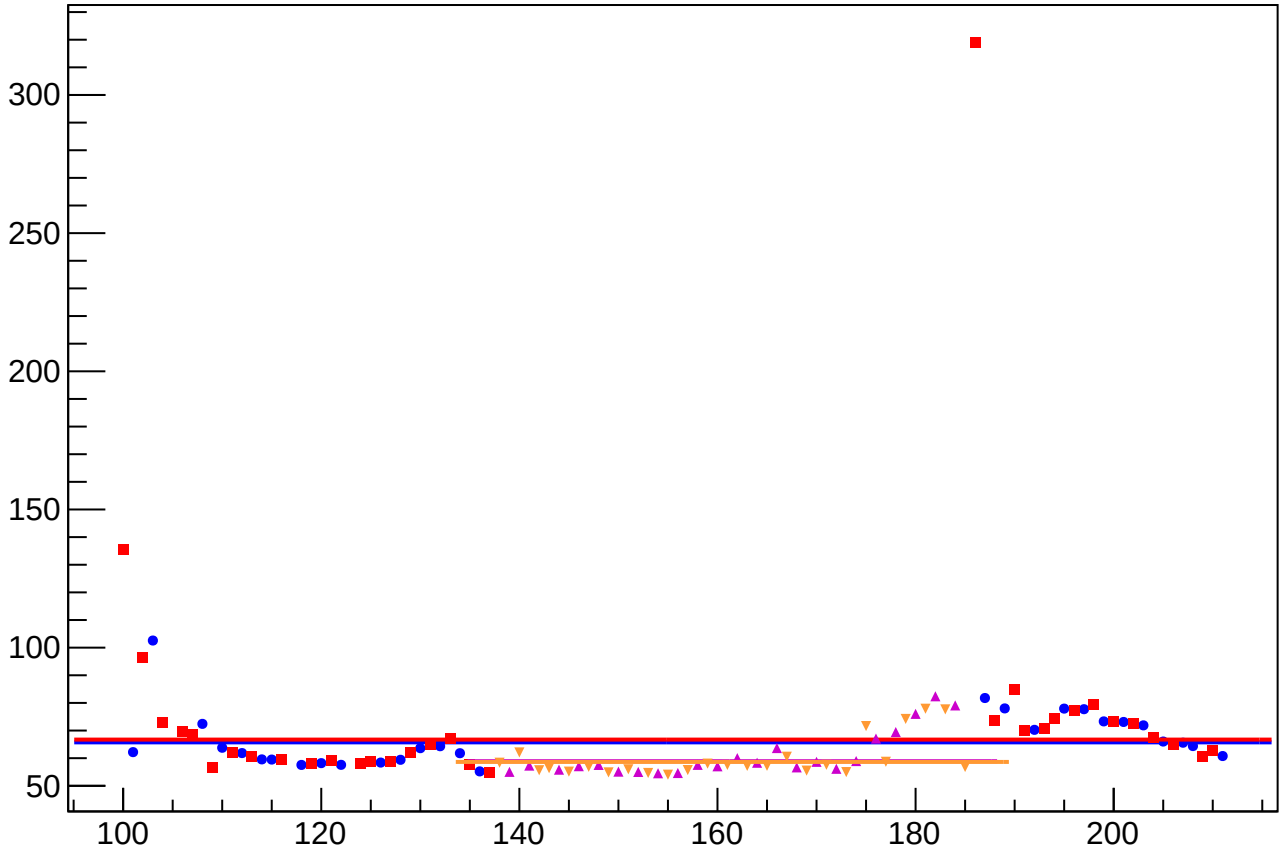
Left In: 186.567+/-13.860 χ^2/NDF:29.0/22

+ sign -169.802+/-10.354 χ^2/NDF: 89.9/52

All: -9.231+/-7.360 χ^2/NDF: 682.2/108

- sign 154.789+/-10.465 χ^2/NDF: 106.1/55

reg_asym_sam8_rms vs Slug



Right In: 65.723+/-0.012 χ^2/NDF: 508756.4/27

Left Out: 58.644+/-0.009 χ^2/NDF:393880.8/24

Right Out: 66.727+/-0.011 χ^2/NDF: 1046380.2/32

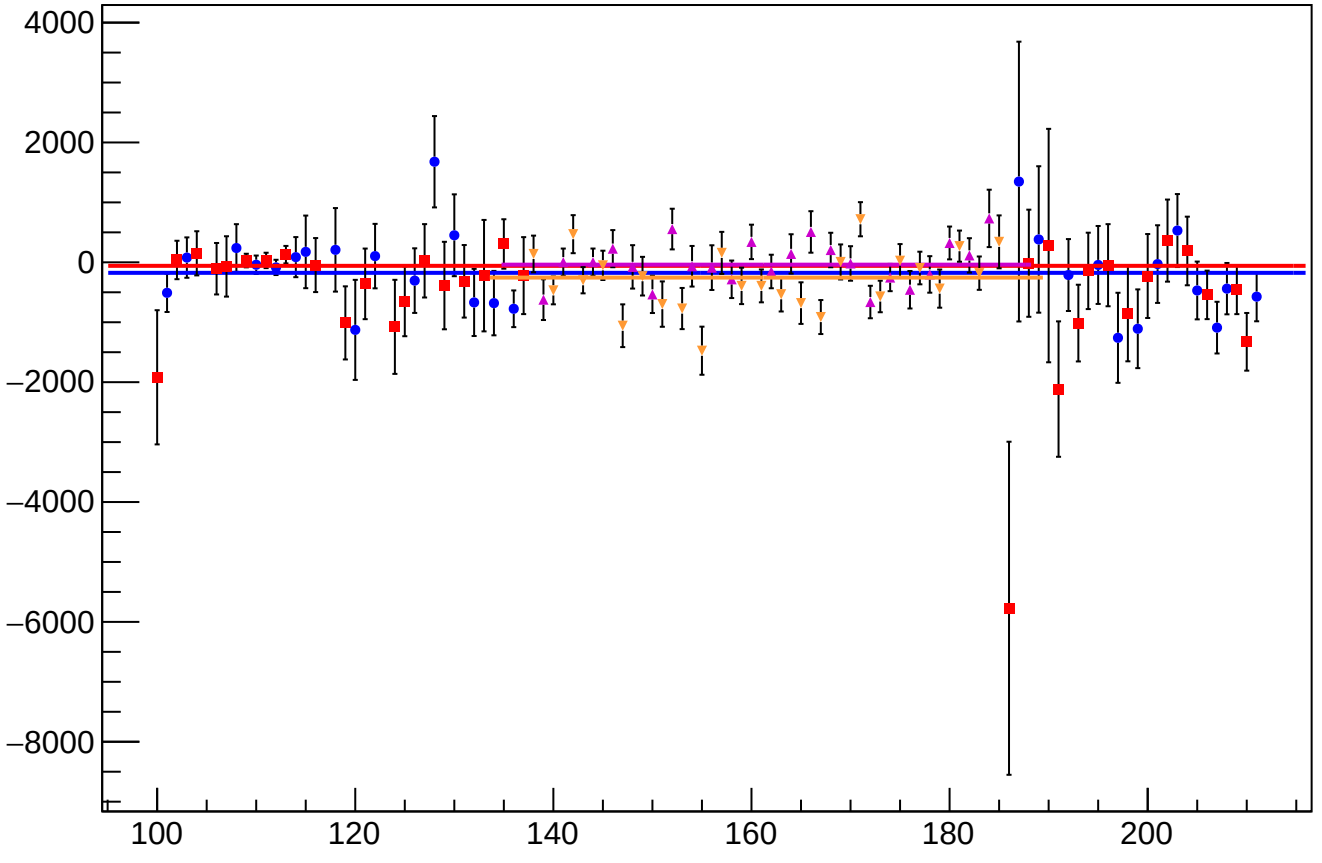
Left In: 58.906+/-0.010 χ^2/NDF:386820.4/22

+ sign 61.508+/-0.007 χ^2/NDF: 1127820.3/52

All: 61.884+/-0.005 χ^2/NDF: 2840094.4/108

- sign 62.268+/-0.007 χ^2/NDF: 1706939.4/55

asym_sam8_reg_correction_mean vs Slug



Right In: -175.468+/-69.274 χ^2/NDF: 31.5/27

Left Out: -254.628+/-58.877 χ^2/NDF:57.6/24

Right Out: -58.625+/-59.821 χ^2/NDF: 33.4/32

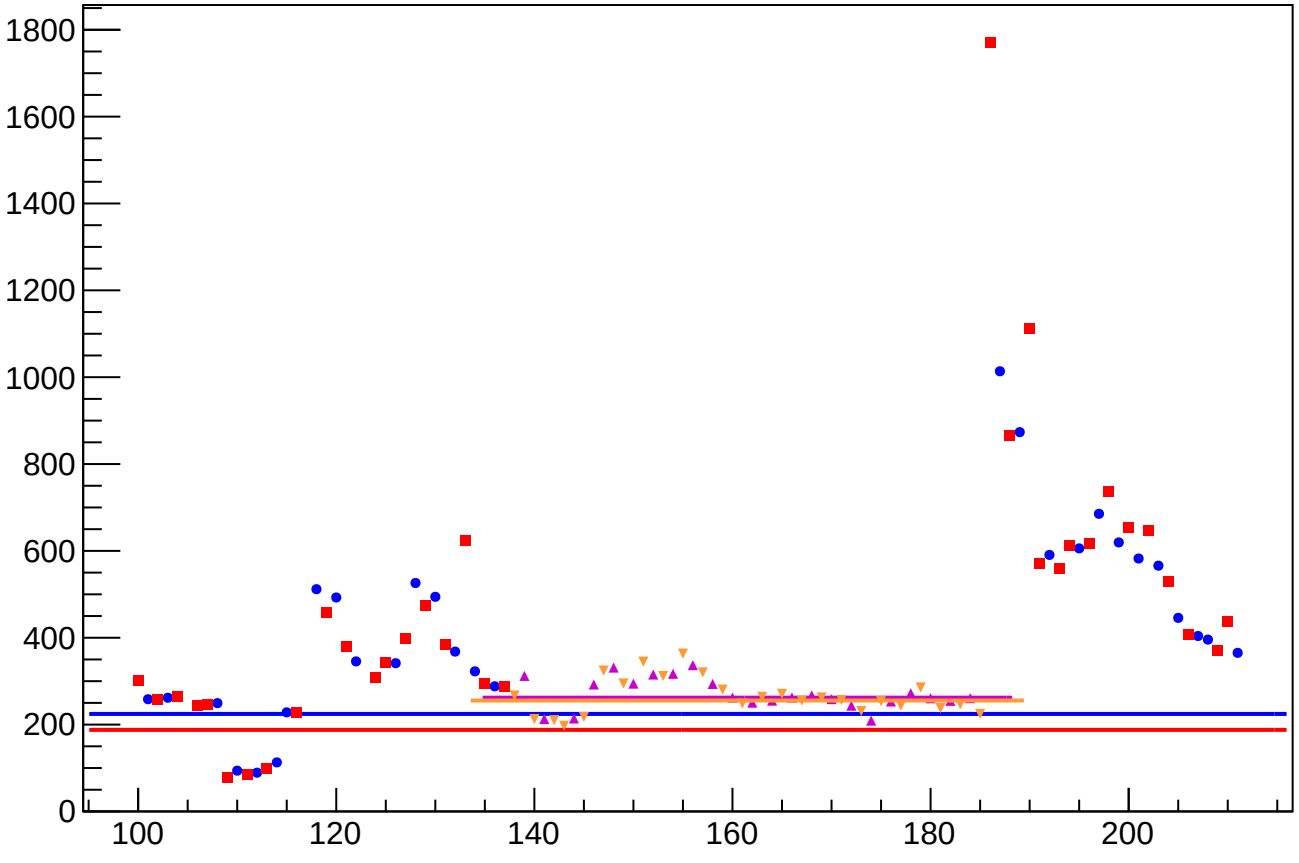
Left In: -39.147+/-61.883 χ^2/NDF:28.3/22

+ sign -221.429+/-44.862 χ^2/NDF: 89.9/52

All: -131.694+/-31.047 χ^2/NDF: 159.4/108

- sign -49.216+/-43.010 χ^2/NDF: 61.8/55

asym_sam8_reg_correction_rms vs Slug



Right In: 224.582+/-0.049 χ^2/NDF: 11893108.5/27

Left Out: 255.469+/-0.042 χ^2/NDF:863866.8/24

Right Out: 187.882+/-0.042 χ^2/NDF: 16082543.1/32

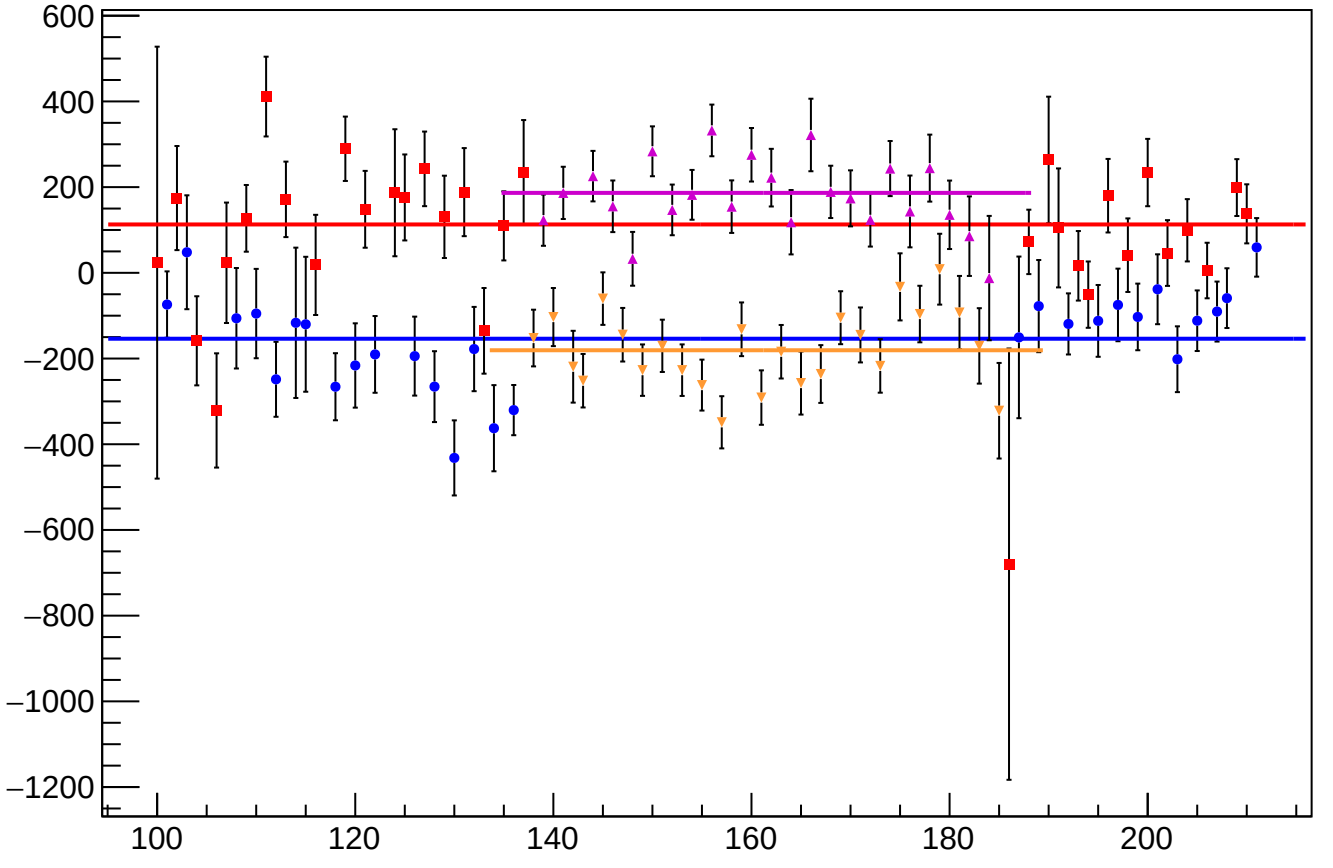
Left In: 262.007+/-0.044 χ^2/NDF:670576.2/22

+ sign 242.515+/-0.032 χ^2/NDF: 12987825.5/52

All: 232.706+/-0.022 χ^2/NDF: 31407858.1/10

- sign 223.689+/-0.030 χ^2/NDF: 18236514.0/55

cor_asym_sam8_mean vs Slug



Right In: -153.786+/-16.279 χ^2/NDF: 49.7/27

Left Out: -180.680+/-13.419 χ^2/NDF:38.6/24

Right Out: 112.894+/-15.965 χ^2/NDF: 64.6/32

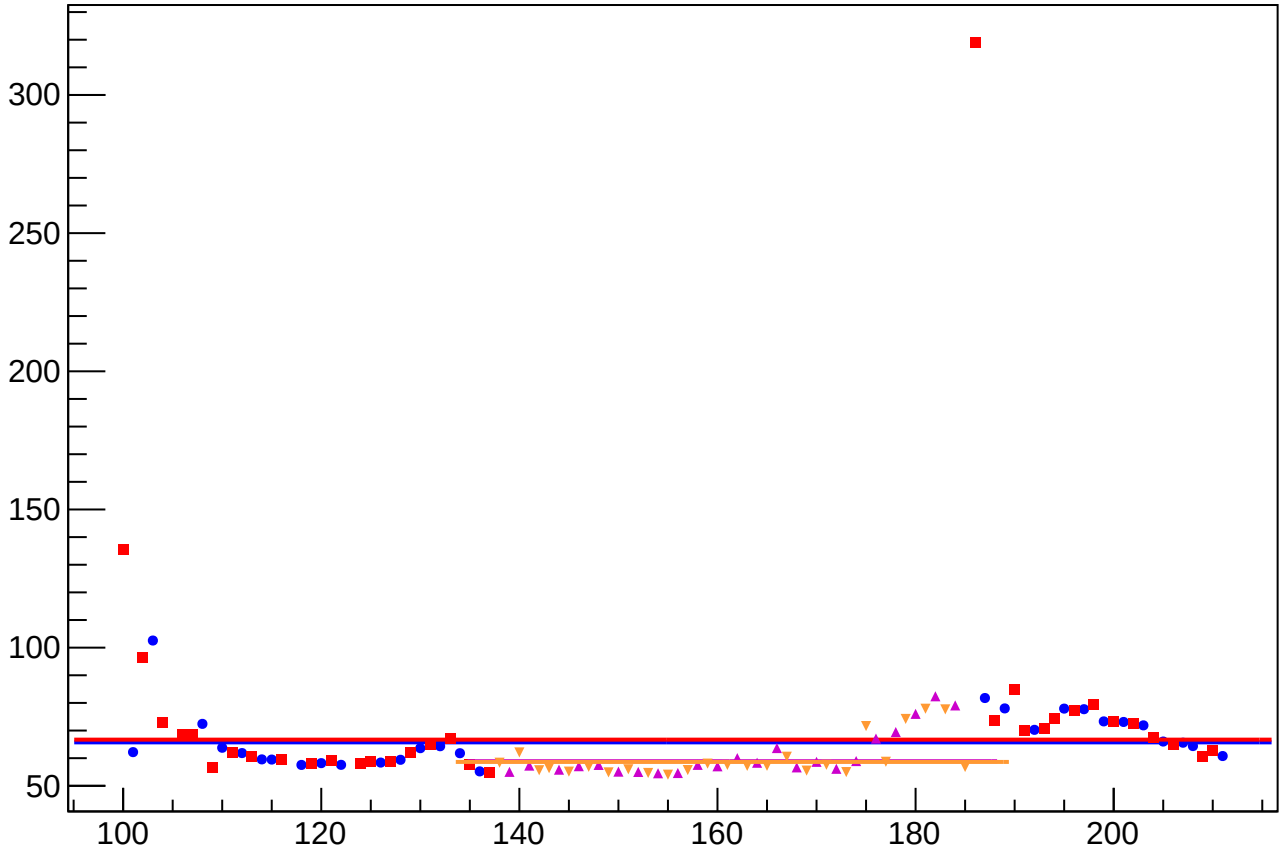
Left In: 186.567+/-13.860 χ^2/NDF:29.0/22

+ sign -169.799+/-10.354 χ^2/NDF: 89.9/52

All: -9.191+/-7.361 χ^2/NDF: 682.1/108

- sign 154.906+/-10.466 χ^2/NDF: 105.7/55

cor_asym_sam8_rms vs Slug



Right In: 65.723+/-0.012 χ^2/NDF: 508758.8/27

Left Out: 58.644+/-0.009 χ^2/NDF:393880.8/24

Right Out: 66.709+/-0.011 χ^2/NDF: 1045927.5/32

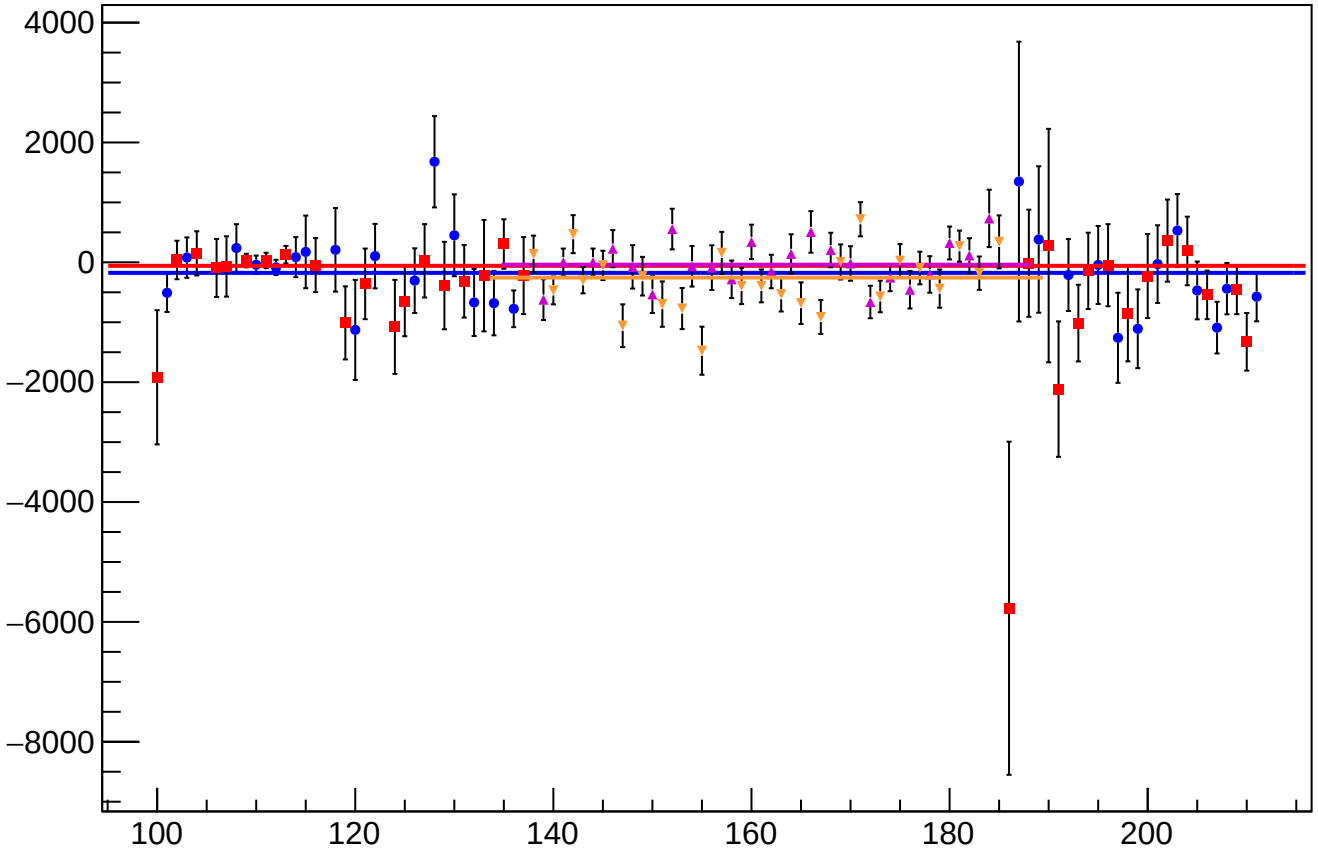
Left In: 58.906+/-0.010 χ^2/NDF:386820.4/22

+ sign 61.508+/-0.007 χ^2/NDF: 1127822.8/52

All: 61.880+/-0.005 χ^2/NDF: 2838172.7/108

- sign 62.259+/-0.007 χ^2/NDF: 1705138.7/55

asym_sam8_cor_correction_mean vs Slug



Right In: -175.454+/-69.274 χ^2/NDF: 31.5/27

Left Out: -254.625+/-58.877 χ^2/NDF:57.6/24

Right Out: -58.258+/-59.946 χ^2/NDF: 33.4/32

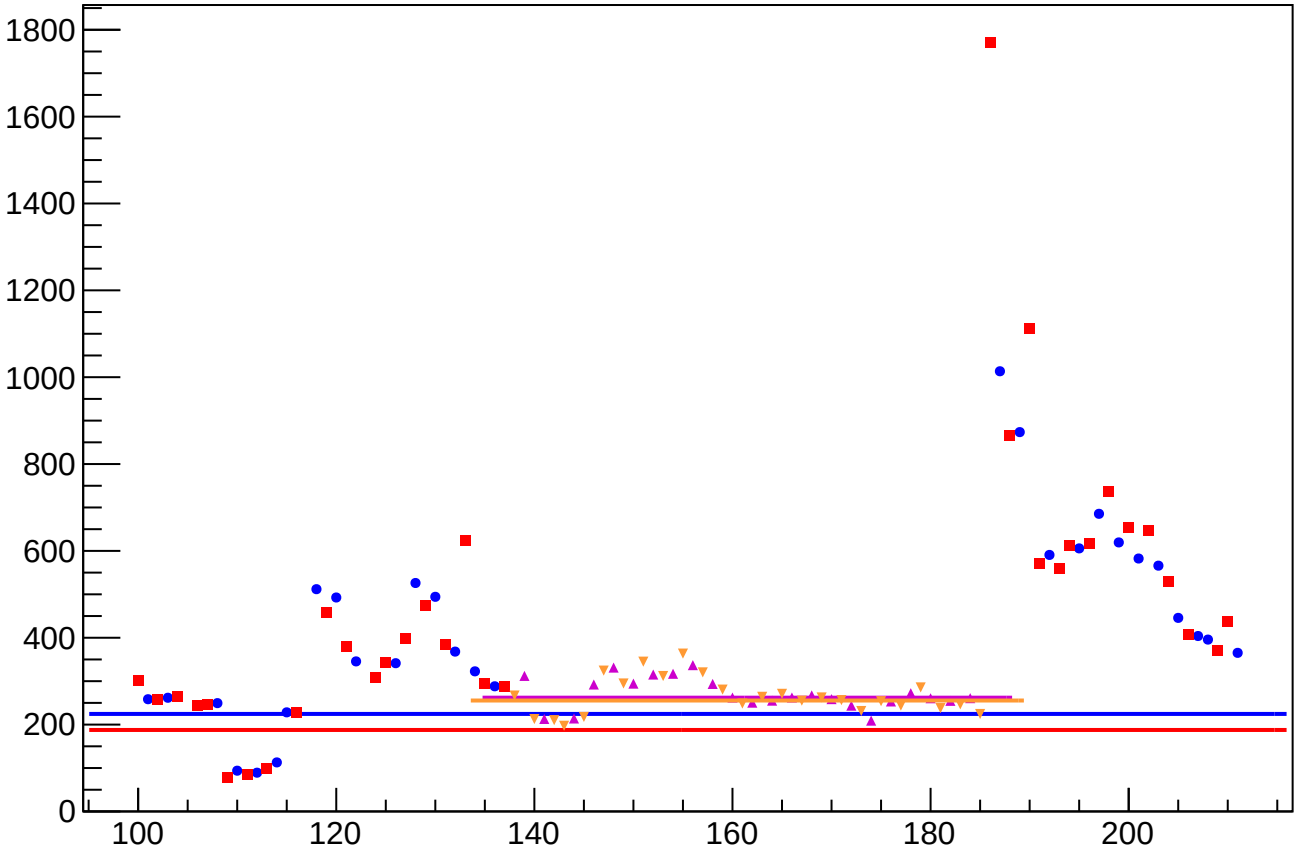
Left In: -39.144+/-61.883 χ^2/NDF:28.3/22

+ sign -221.421+/-44.862 χ^2/NDF: 89.9/52

All: -131.673+/-31.064 χ^2/NDF: 159.4/108

- sign -49.005+/-43.057 χ^2/NDF: 61.8/55

asym_sam8_cor_correction_rms vs Slug



Right In: 224.583+/-0.049 χ^2/NDF: 11893140.9/27

Left Out: 255.469+/-0.042 χ^2/NDF:863867.3/24

Right Out: 187.656+/-0.042 χ^2/NDF: 16076066.9/32

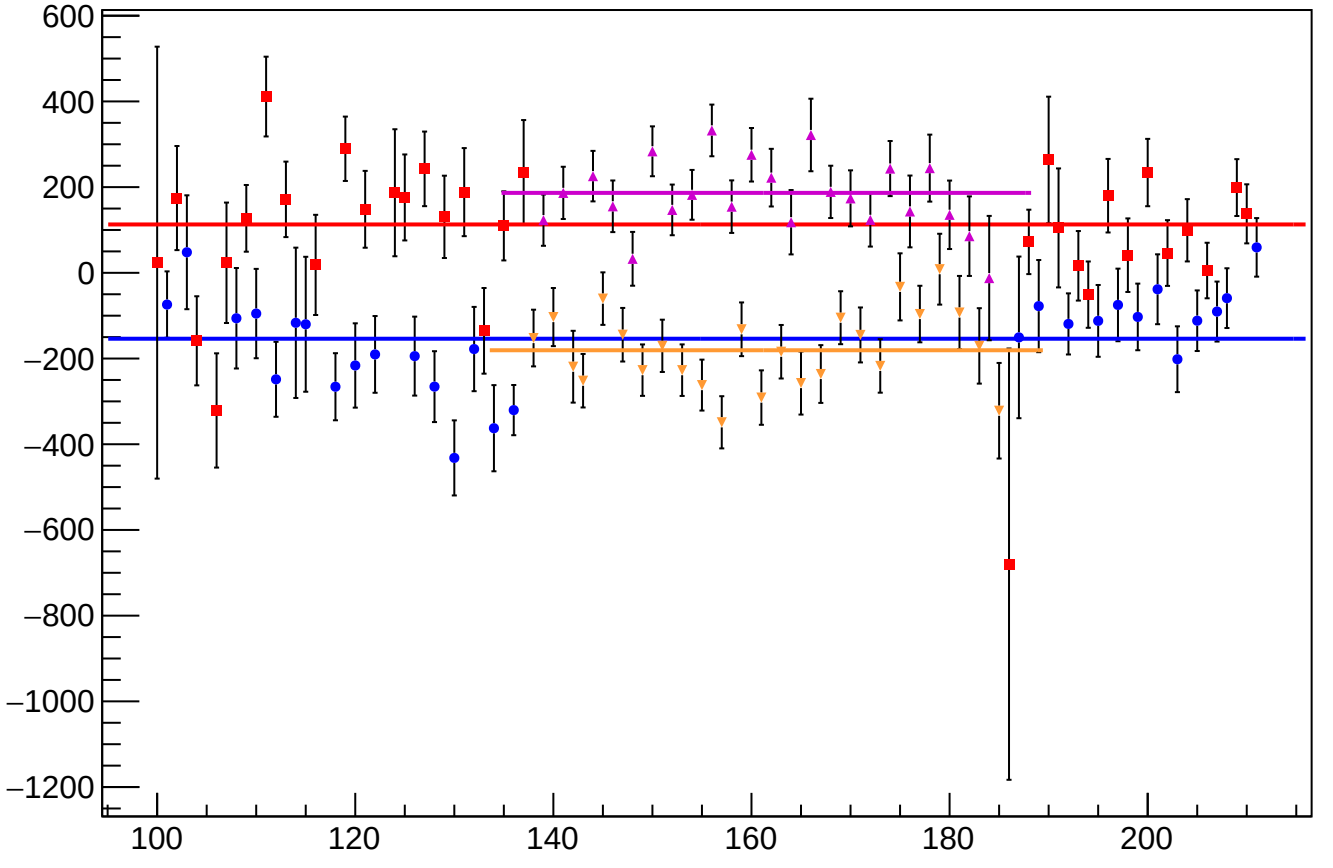
Left In: 262.007+/-0.044 χ^2/NDF:670574.8/22

+ sign 242.516+/-0.032 χ^2/NDF: 12987844.3/52

All: 232.695+/-0.022 χ^2/NDF: 31408062.9/10

- sign 223.650+/-0.030 χ^2/NDF: 18236109.1/55

eigen_cor_asym_sam8_mean vs Slug



Right In: -153.786+/-16.279 χ^2/NDF: 49.7/27

Left Out: -180.680+/-13.419 χ^2/NDF:38.6/24

Right Out: 112.894+/-15.965 χ^2/NDF: 64.6/32

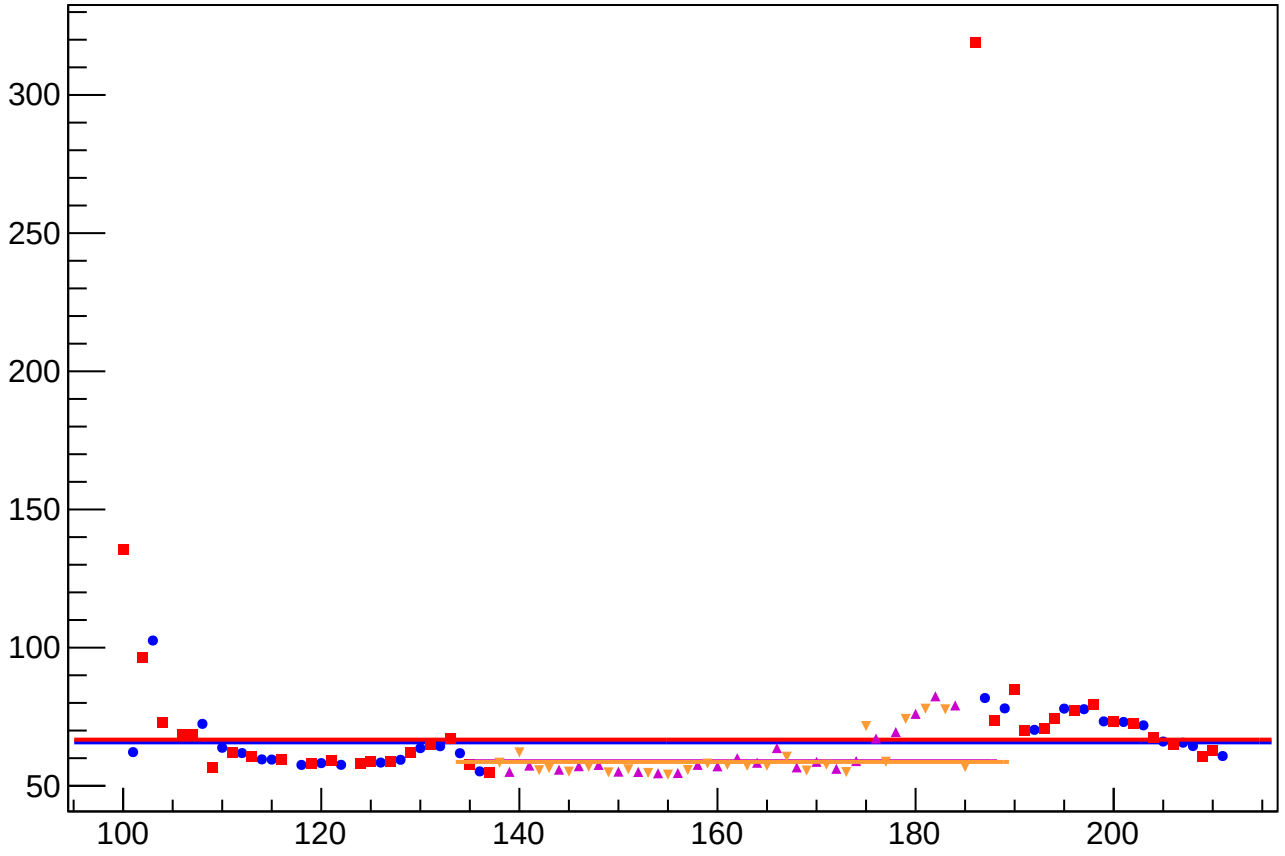
Left In: 186.567+/-13.860 χ^2/NDF:29.0/22

+ sign -169.799+/-10.354 χ^2/NDF: 89.9/52

All: -9.191+/-7.361 χ^2/NDF: 682.1/108

- sign 154.906+/-10.466 χ^2/NDF: 105.7/55

eigen_cor_asym_sam8_rms vs Slug



Right In: 65.723+/-0.012 χ^2/NDF: 508758.8/27

Left Out: 58.644+/-0.009 χ^2/NDF:393880.8/24

Right Out: 66.709+/-0.011 χ^2/NDF: 1045927.5/32

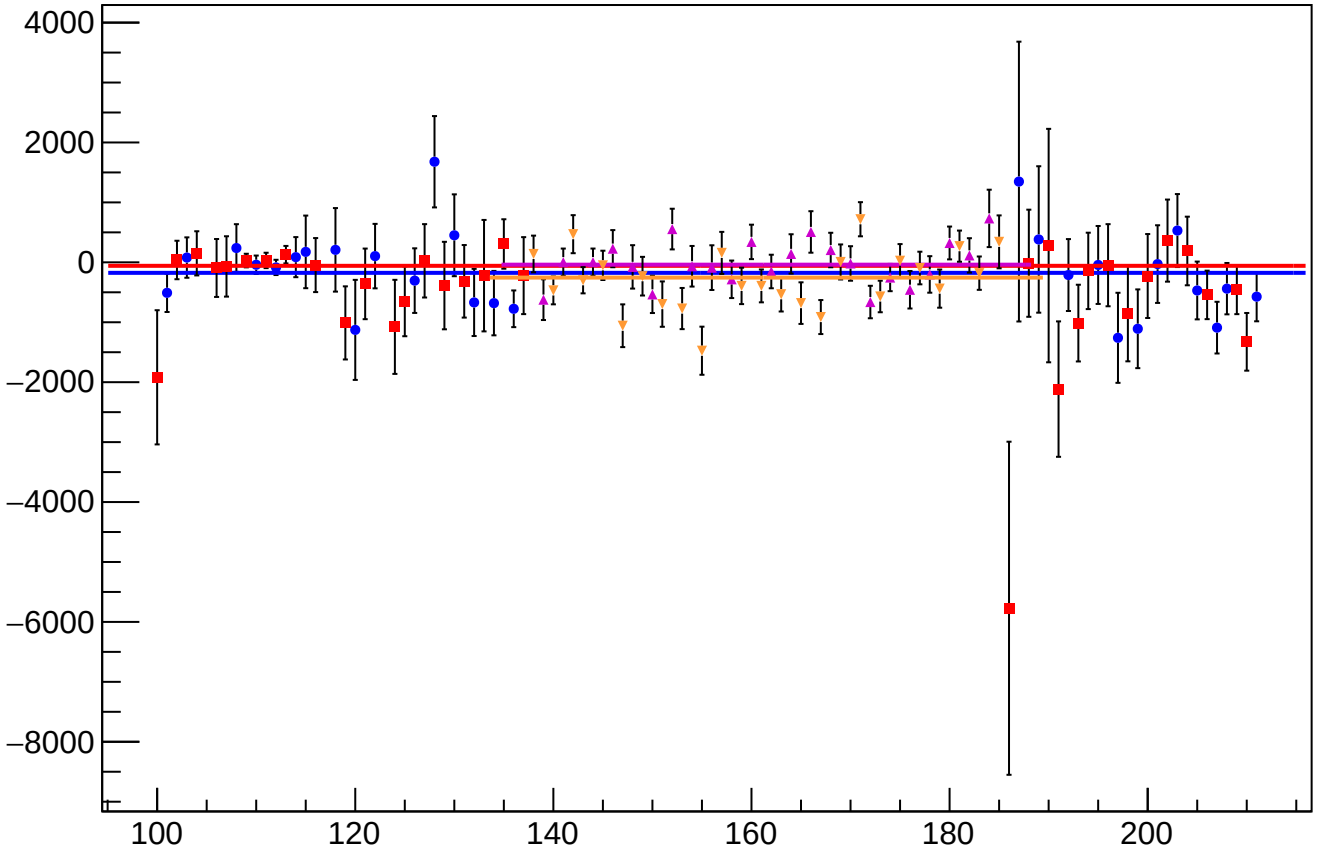
Left In: 58.906+/-0.010 χ^2/NDF:386820.4/22

+ sign 61.508+/-0.007 χ^2/NDF: 1127822.8/52

All: 61.880+/-0.005 χ^2/NDF: 2838172.7/108

- sign 62.259+/-0.007 χ^2/NDF: 1705138.7/55

asym_sam8_eigen_cor_correction_mean vs Slug



Right In: -175.454+/-69.274 χ^2/NDF: 31.5/27

Left Out: -254.625+/-58.877 χ^2/NDF:57.6/24

Right Out: -58.258+/-59.946 χ^2/NDF: 33.4/32

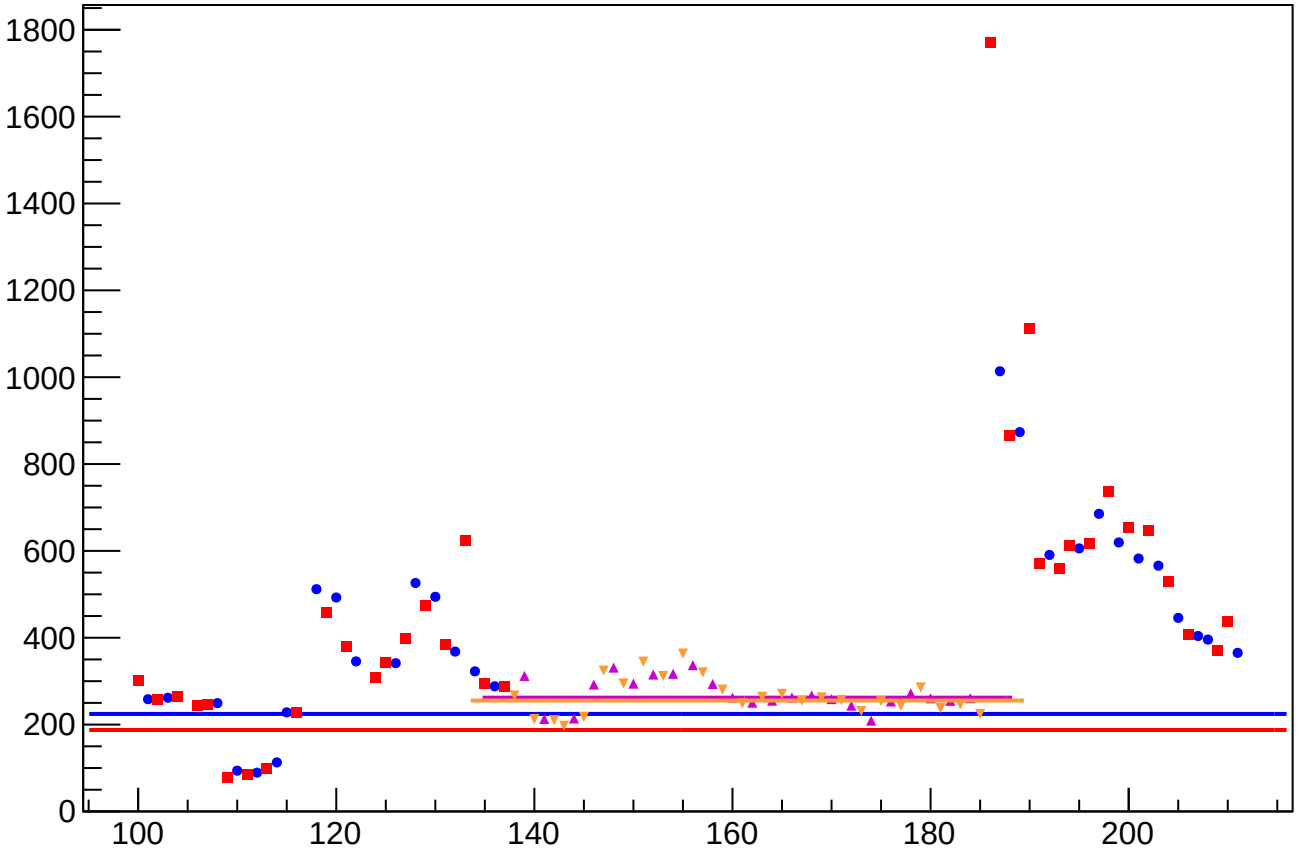
Left In: -39.144+/-61.883 χ^2/NDF:28.3/22

+ sign -221.421+/-44.862 χ^2/NDF: 89.9/52

All: -131.673+/-31.064 χ^2/NDF: 159.4/108

- sign -49.005+/-43.057 χ^2/NDF: 61.8/55

asym_sam8_eigen_cor_correction_rms vs Slug



Right In: 224.583+/-0.049 χ^2/NDF: 11893140.9/27

Left Out: 255.469+/-0.042 χ^2/NDF:863867.3/24

Right Out: 187.656+/-0.042 χ^2/NDF: 16076066.9/32

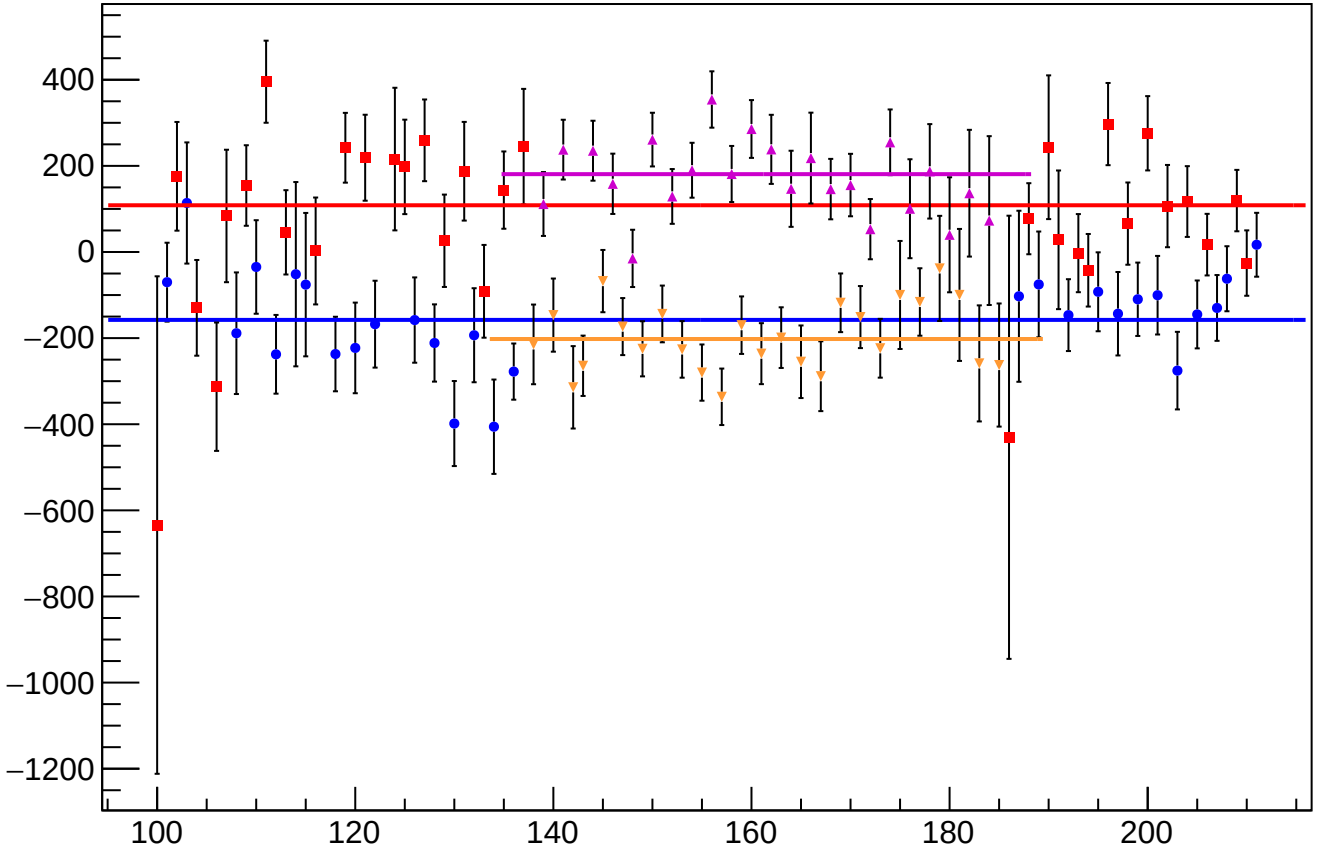
Left In: 262.007+/-0.044 χ^2/NDF:670574.8/22

+ sign 242.516+/-0.032 χ^2/NDF: 12987844.3/52

All: 232.695+/-0.022 χ^2/NDF: 31408062.9/10

- sign 223.650+/-0.030 χ^2/NDF: 18236109.1/55

dit_asym_sam8_mean vs Slug



Right In: -157.695+/-18.060 χ^2/NDF: 34.2/27

Left Out: -202.090+/-15.538 χ^2/NDF:21.5/24

Right Out: 108.523+/-17.666 χ^2/NDF: 57.7/32

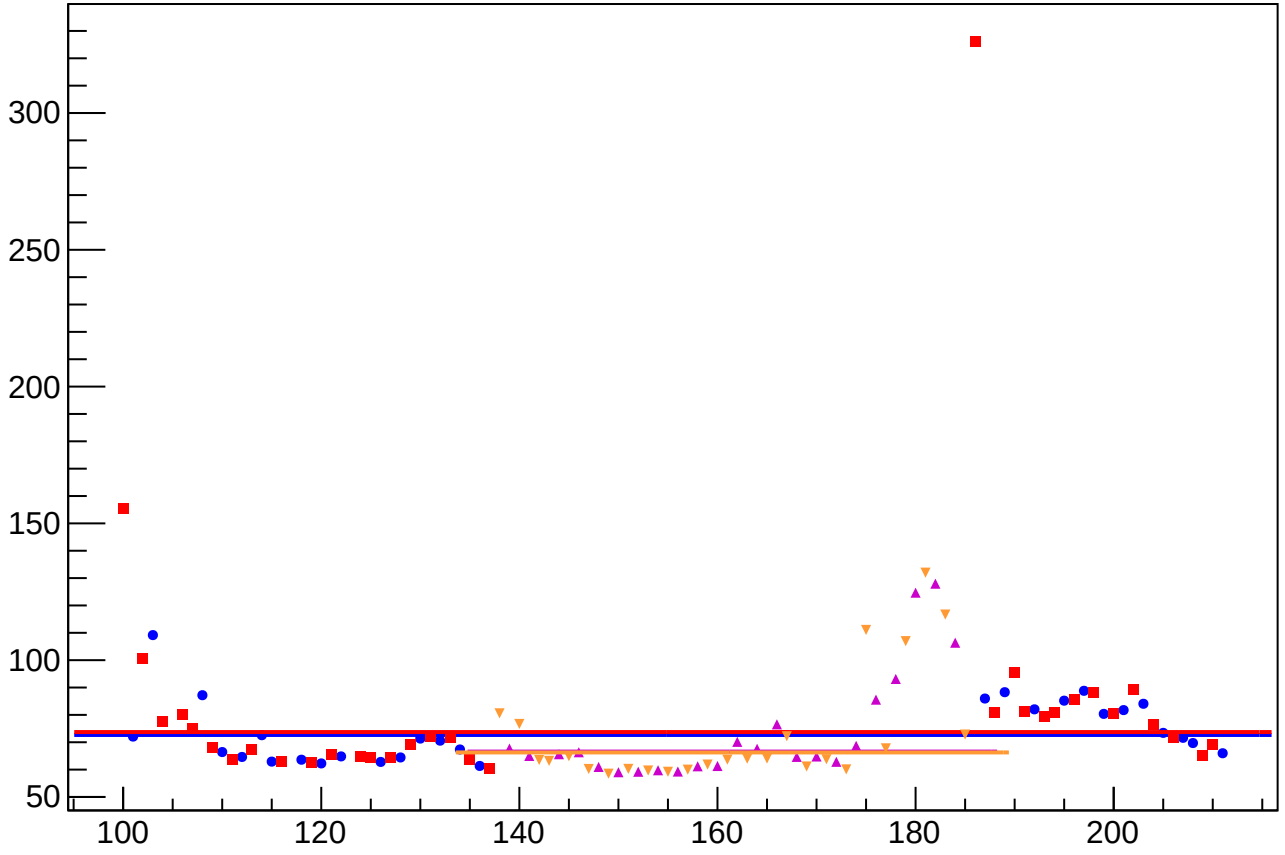
Left In: 180.784+/-16.019 χ^2/NDF:30.1/22

+ sign -183.206+/-11.778 χ^2/NDF: 59.1/52

All: -18.752+/-8.360 χ^2/NDF: 549.0/108

- sign 148.179+/-11.867 χ^2/NDF: 97.1/55

dit_asym_sam8_rms vs Slug



Right In: 72.663+/-0.013 χ^2/NDF: 588425.5/27

Left Out: 66.279+/-0.011 χ^2/NDF:1393879.2/24

Right Out: 73.725+/-0.012 χ^2/NDF: 1067153.4/32

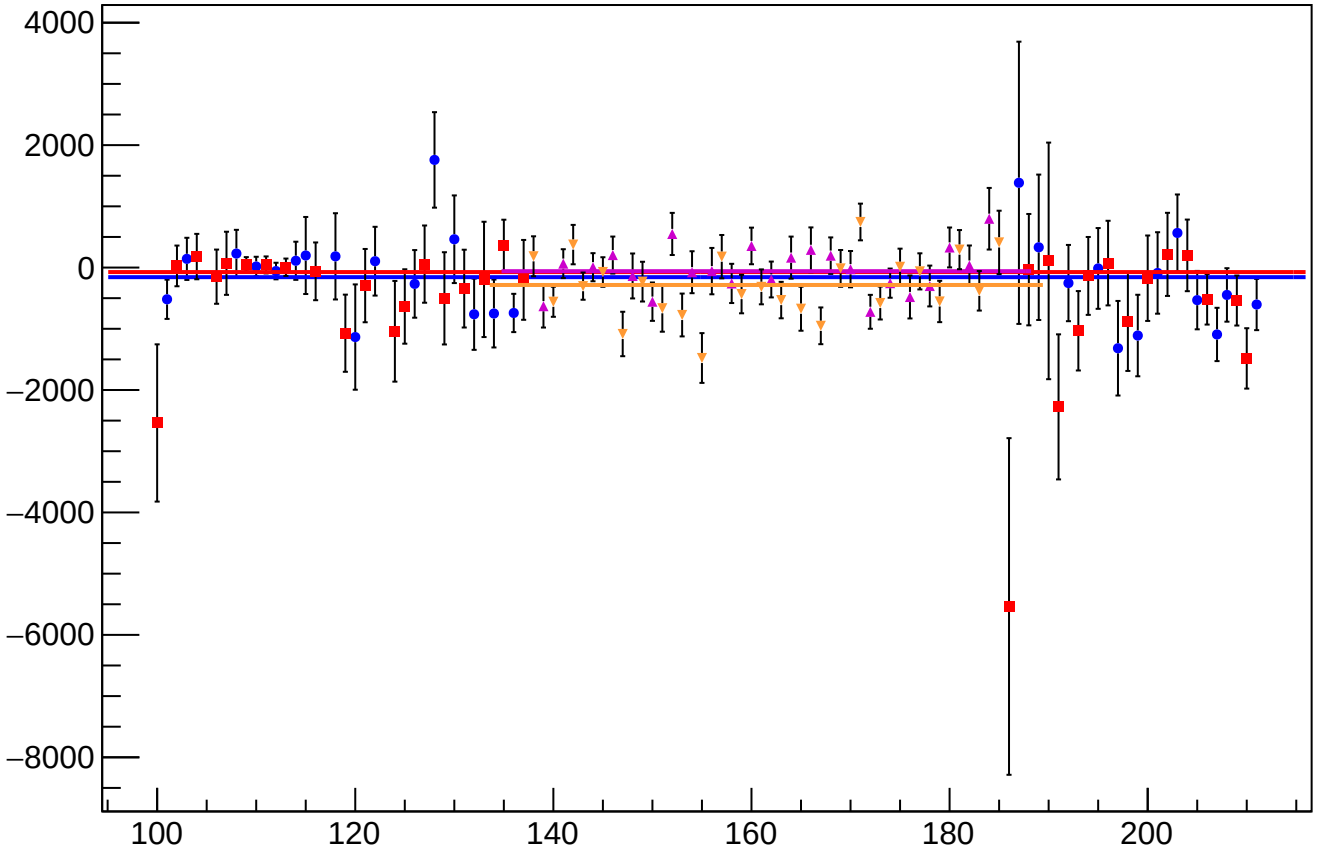
Left In: 66.585+/-0.011 χ^2/NDF:1158238.0/22

+ sign 68.994+/-0.008 χ^2/NDF: 2125901.7/52

All: 69.398+/-0.006 χ^2/NDF: 4535290.3/108

- sign 69.807+/-0.008 χ^2/NDF: 2404664.9/55

asym_sam8_dit_correction_mean vs Slug



Right In: -156.836+/-71.307 χ^2/NDF: 33.3/27

Left Out: -284.450+/-61.727 χ^2/NDF:54.6/24

Right Out: -73.614+/-61.532 χ^2/NDF: 34.8/32

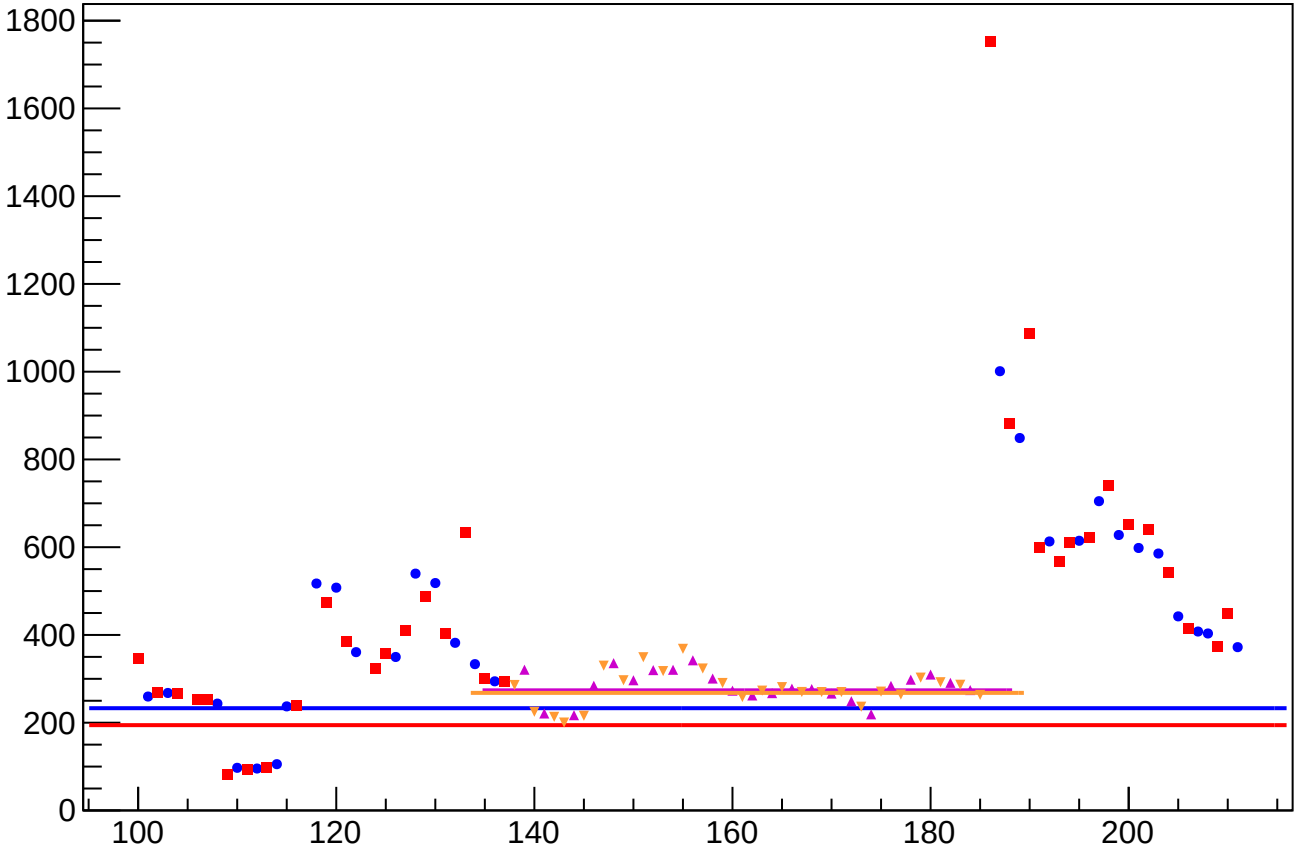
Left In: -59.160+/-64.636 χ^2/NDF:26.8/22

+ sign -229.785+/-46.670 χ^2/NDF: 89.7/52

All: -144.507+/-32.231 χ^2/NDF: 157.8/108

- sign -66.742+/-44.567 χ^2/NDF: 61.7/55

asym_sam8_dit_correction_rms vs Slug



Right In: 233.062+/-0.050 χ^2/NDF: 11600742.6/27

Left Out: 267.985+/-0.044 χ^2/NDF:862786.9/24

Right Out: 194.426+/-0.044 χ^2/NDF: 15844786.5/32

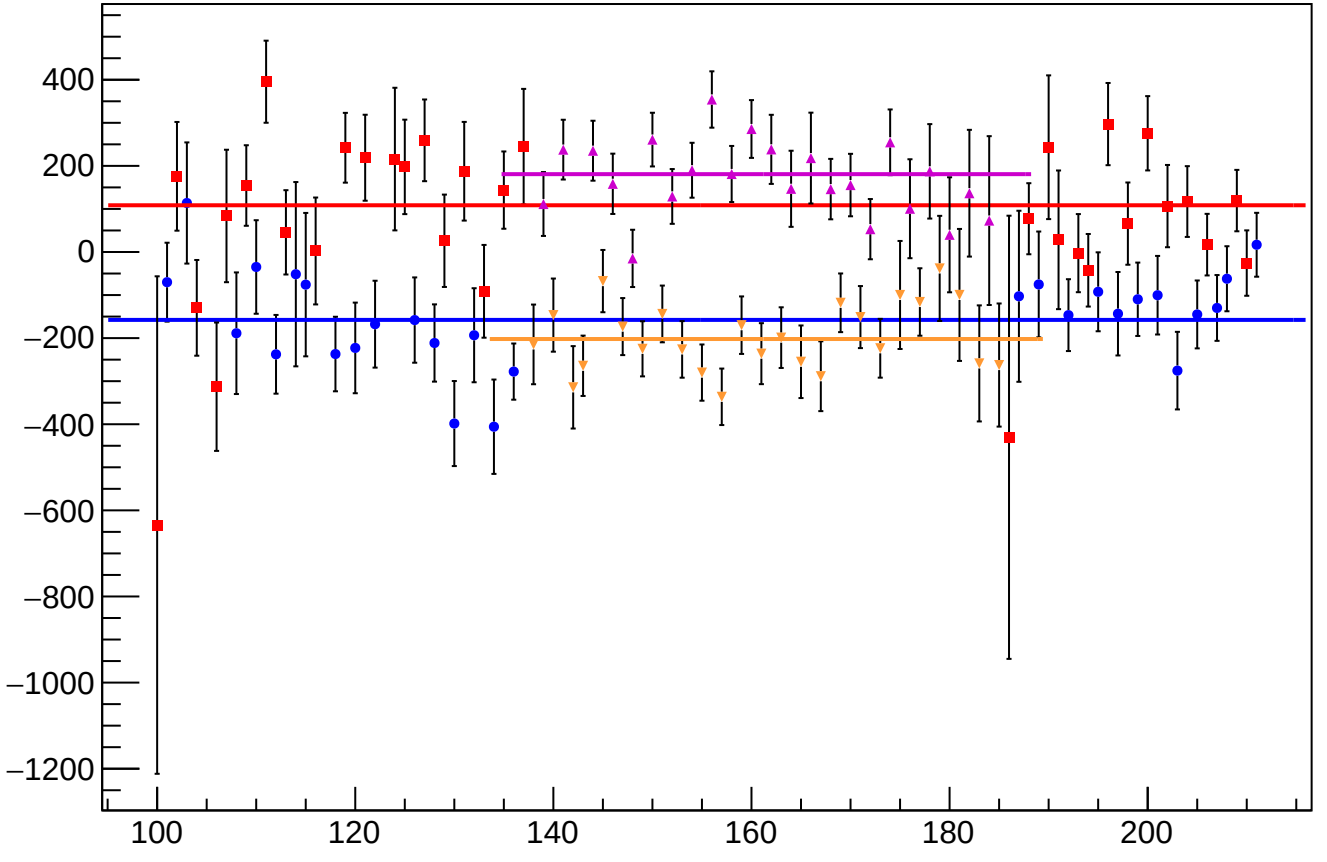
Left In: 273.751+/-0.046 χ^2/NDF:650295.5/22

+ sign 253.026+/-0.033 χ^2/NDF: 12737755.6/52

All: 242.100+/-0.023 χ^2/NDF: 31022609.0/10

- sign 232.138+/-0.032 χ^2/NDF: 18075300.1/55

eigen_dit_asym_sam8_mean vs Slug



Right In: -157.695+/-18.060 χ^2/NDF: 34.2/27

Left Out: -202.090+/-15.538 χ^2/NDF:21.5/24

Right Out: 108.524+/-17.666 χ^2/NDF: 57.7/32

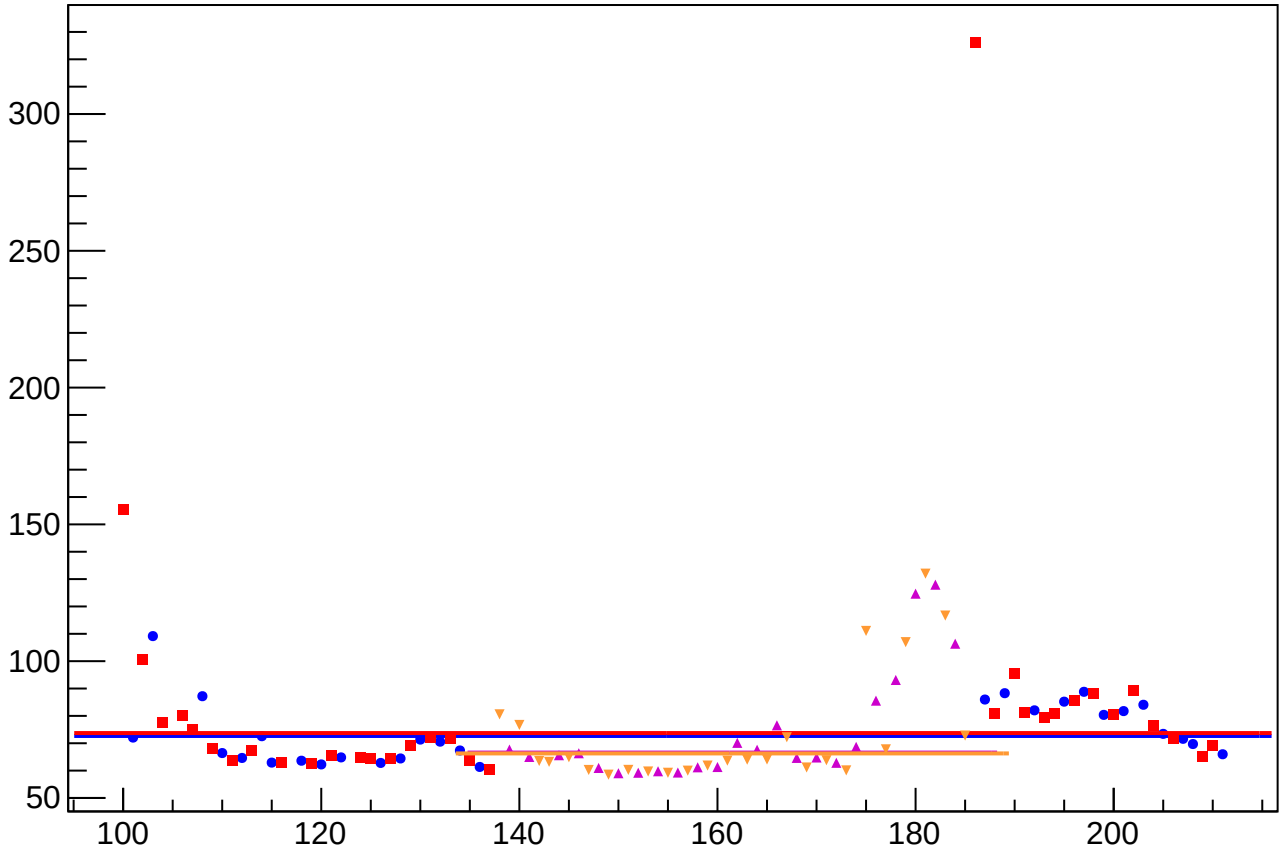
Left In: 180.785+/-16.019 χ^2/NDF:30.1/22

+ sign -183.206+/-11.778 χ^2/NDF: 59.1/52

All: -18.751+/-8.360 χ^2/NDF: 549.0/108

- sign 148.180+/-11.867 χ^2/NDF: 97.1/55

eigen_dit_asym_sam8_rms vs Slug



Right In: 72.662+/-0.013 χ^2/NDF: 588428.9/27

Left Out: 66.279+/-0.011 χ^2/NDF:1393881.3/24

Right Out: 73.725+/-0.012 χ^2/NDF: 1067158.1/32

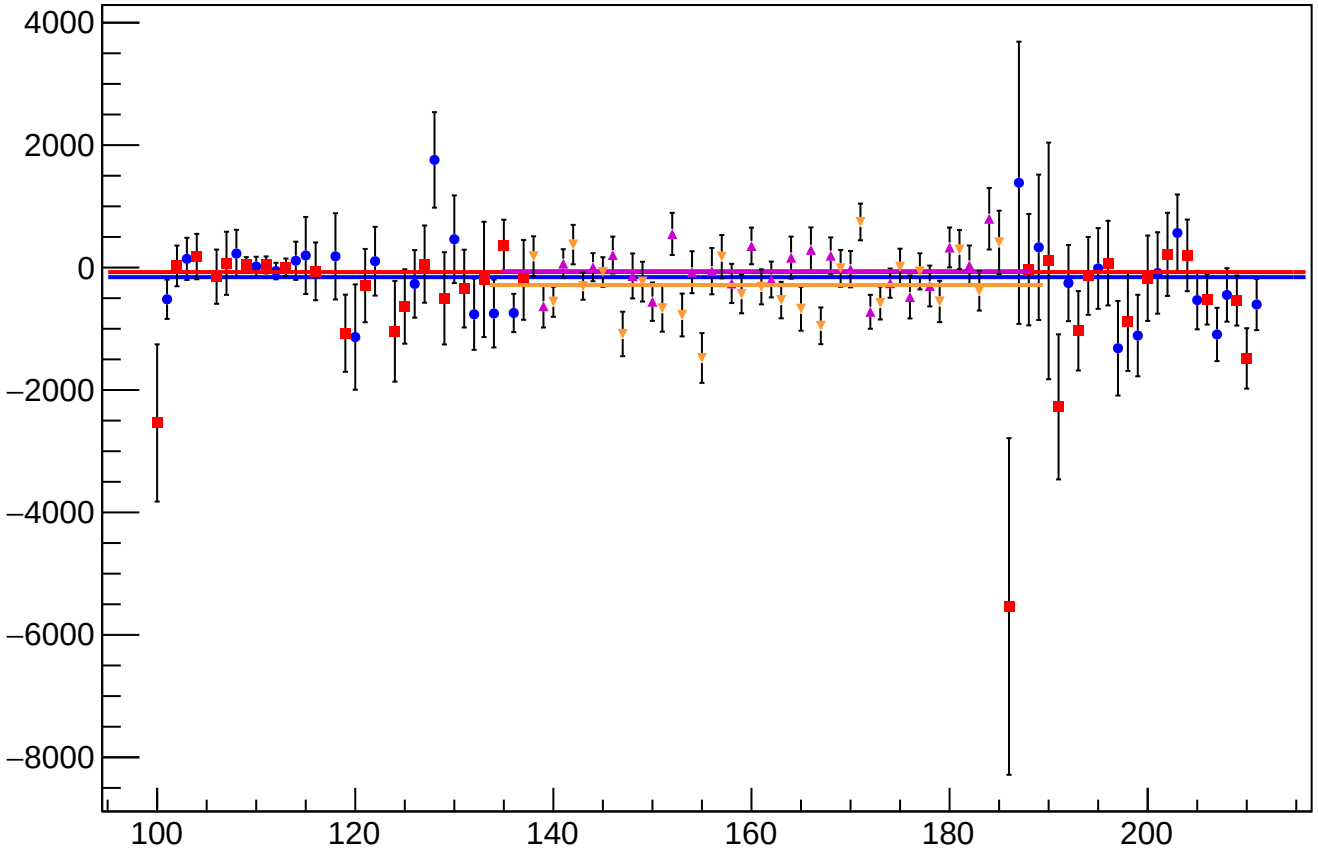
Left In: 66.585+/-0.011 χ^2/NDF:1158231.7/22

+ sign 68.994+/-0.008 χ^2/NDF: 2125901.1/52

All: 69.398+/-0.006 χ^2/NDF: 4535278.0/108

- sign 69.807+/-0.008 χ^2/NDF: 2404653.3/55

asym_sam8_eigen_dit_correction_mean vs Slug



Right In: -156.834+/-71.307 χ^2/NDF: 33.3/27

Left Out: -284.450+/-61.727 χ^2/NDF:54.6/24

Right Out: -73.612+/-61.531 χ^2/NDF: 34.8/32

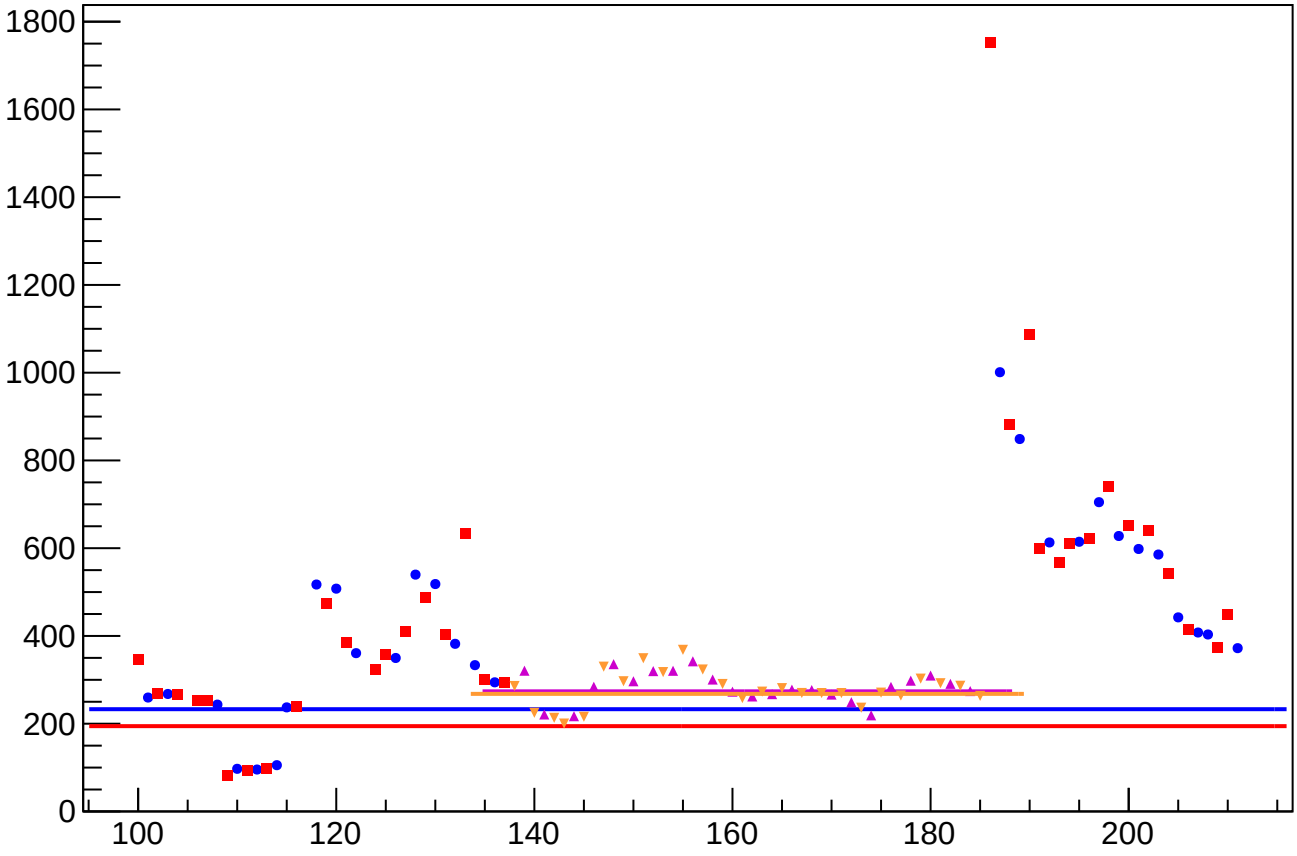
Left In: -59.160+/-64.636 χ^2/NDF:26.8/22

+ sign -229.784+/-46.670 χ^2/NDF: 89.7/52

All: -144.506+/-32.231 χ^2/NDF: 157.8/108

- sign -66.742+/-44.566 χ^2/NDF: 61.7/55

asym_sam8_eigen_dit_correction_rms vs Slug



Right In: 233.061+/-0.050 χ^2/NDF: 11600822.0/27

Left Out: 267.985+/-0.044 χ^2/NDF:862797.1/24

Right Out: 194.425+/-0.044 χ^2/NDF: 15844776.2/32

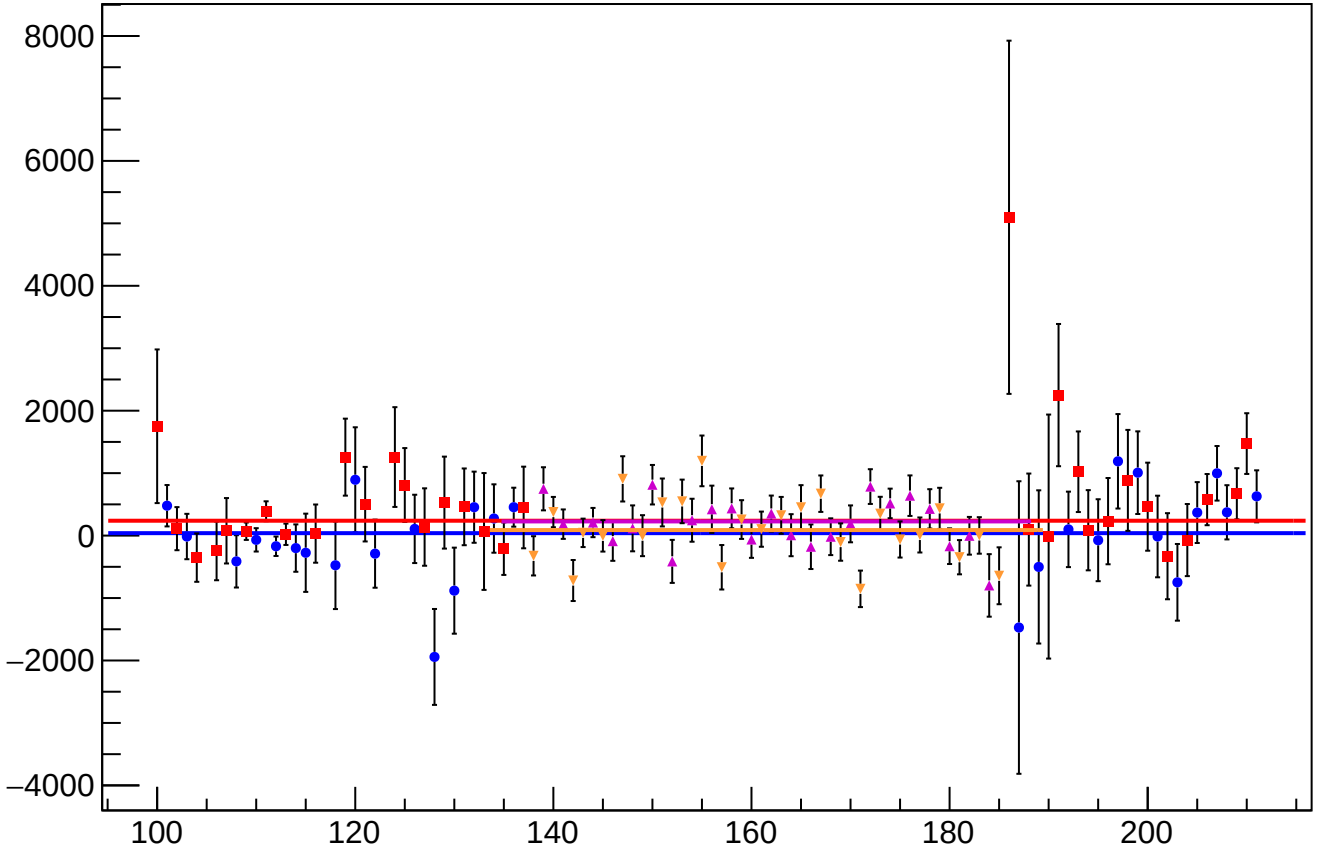
Left In: 273.750+/-0.046 χ^2/NDF:650300.9/22

+ sign 253.024+/-0.033 χ^2/NDF: 12737859.5/52

All: 242.099+/-0.023 χ^2/NDF: 31022686.8/10

- sign 232.137+/-0.032 χ^2/NDF: 18075285.6/55

asym_sam8_mean vs Slug



Right In: 39.099+/-77.174 χ^2/NDF: 33.3/27

Left Out: 88.397+/-60.666 χ^2/NDF:52.2/24

Right Out: 238.113+/-68.388 χ^2/NDF: 34.0/32

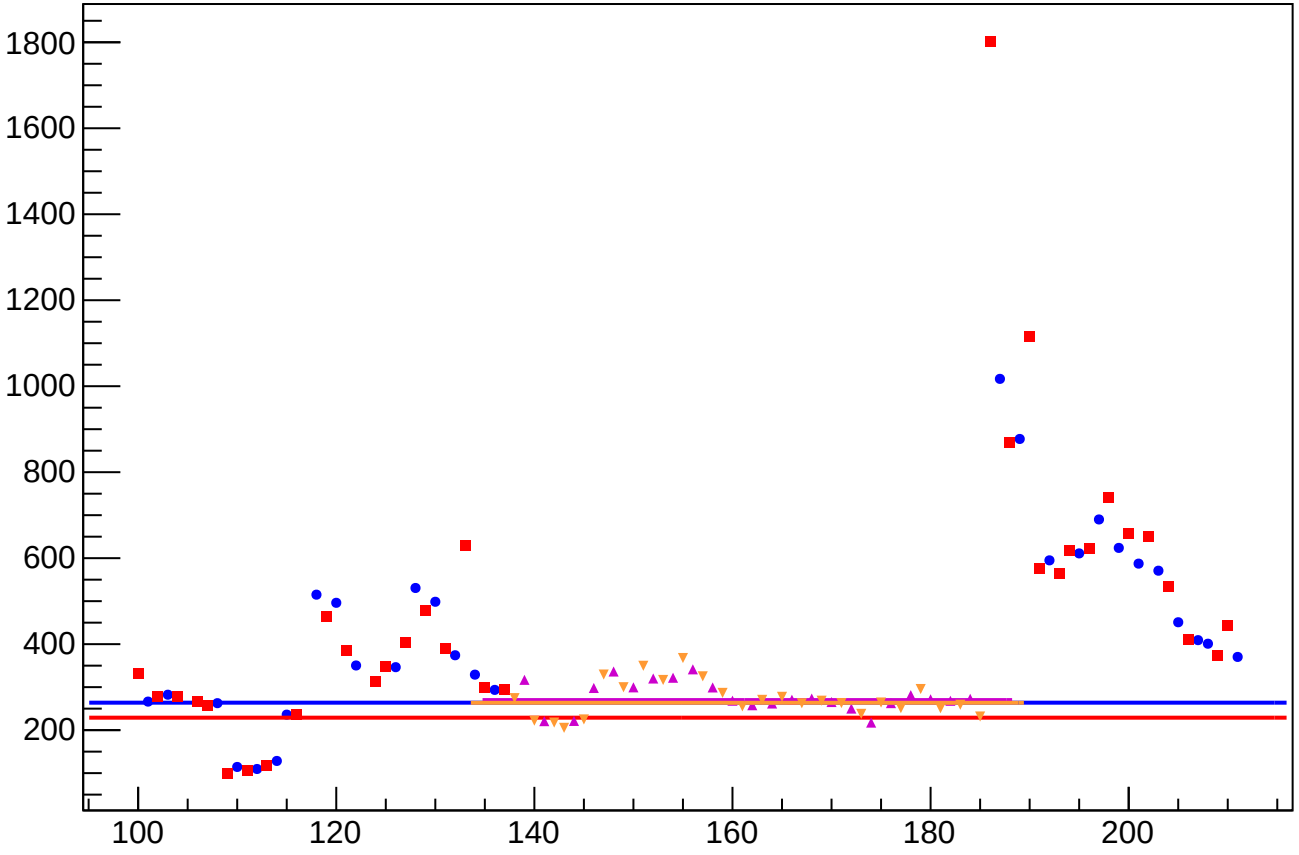
Left In: 226.867+/-63.677 χ^2/NDF:28.8/22

+ sign 69.568+/-47.694 χ^2/NDF: 85.7/52

All: 152.709+/-33.332 χ^2/NDF: 154.5/108

- sign 232.089+/-46.603 χ^2/NDF: 62.8/55

asym_sam8_rms vs Slug



Right In: 263.876+/-0.055 χ^2/NDF: 9540612.3/27

Left Out: 263.593+/-0.043 χ^2/NDF:779853.4/24

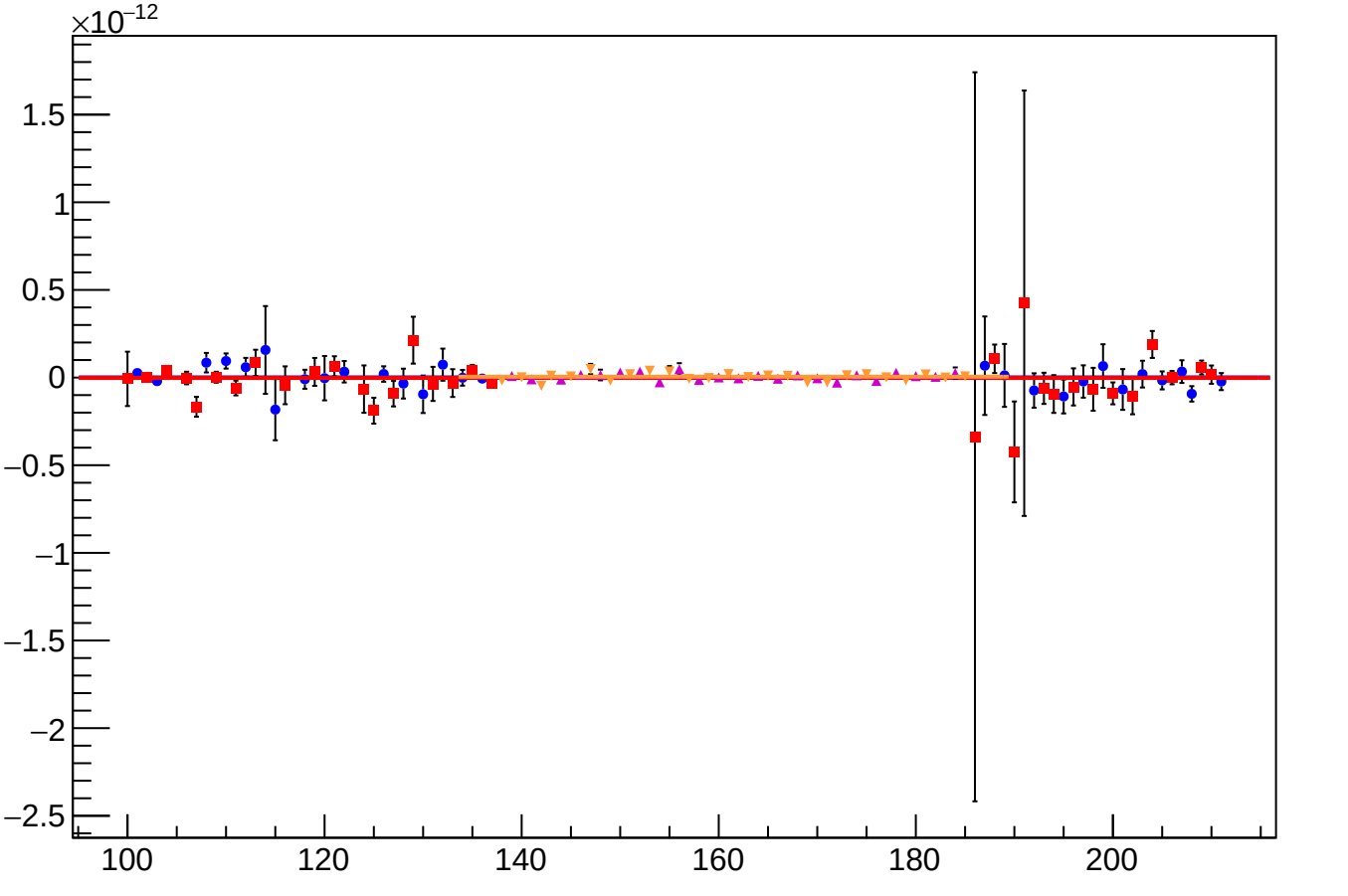
Right Out: 228.981+/-0.048 χ^2/NDF: 13435517.9/32

Left In: 269.898+/-0.045 χ^2/NDF:602244.3/22

+ sign 263.701+/-0.034 χ^2/NDF: 10320482.3/52

All: 257.151+/-0.024 χ^2/NDF: 24815456.7/10

- sign 250.897+/-0.033 χ^2/NDF: 14421236.2/55



Right In: 0.000+/-0.000 χ^2/NDF: 22.0/27

Left Out: 0.000+/-0.000 χ^2/NDF:27.9/24

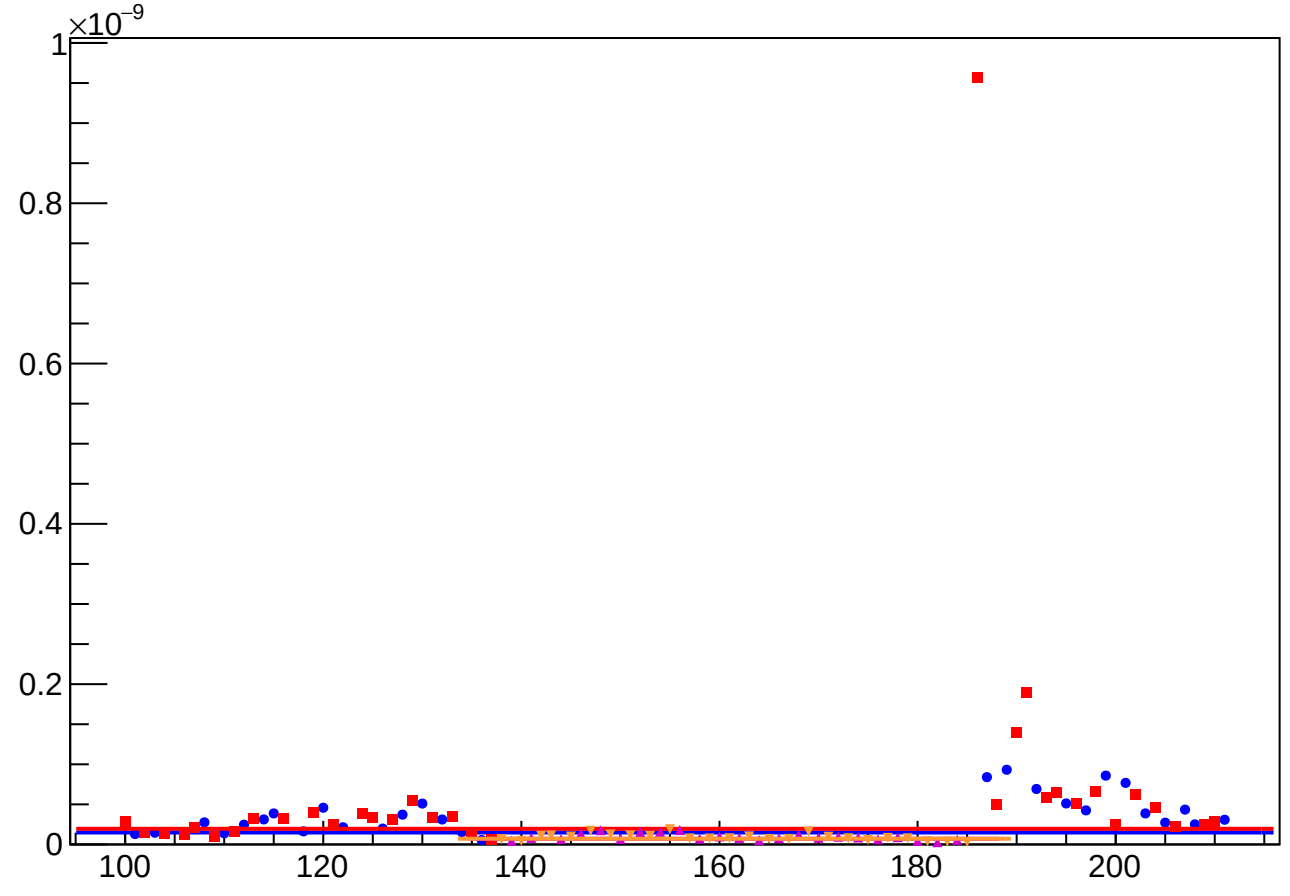
Right Out: -0.000+/-0.000 χ^2/NDF: 48.0/32

Left In: 0.000+/-0.000 χ^2/NDF:21.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 50.1/52

All: 0.000+/-0.000 χ^2/NDF: 120.1/108

- sign 0.000+/-0.000 χ^2/NDF: 69.8/55



Right In: 0.000+/-0.000 χ^2/NDF: 5986384.4/27

Left Out: 0.000+/-0.000 χ^2/NDF:1952087.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4712335.8/32

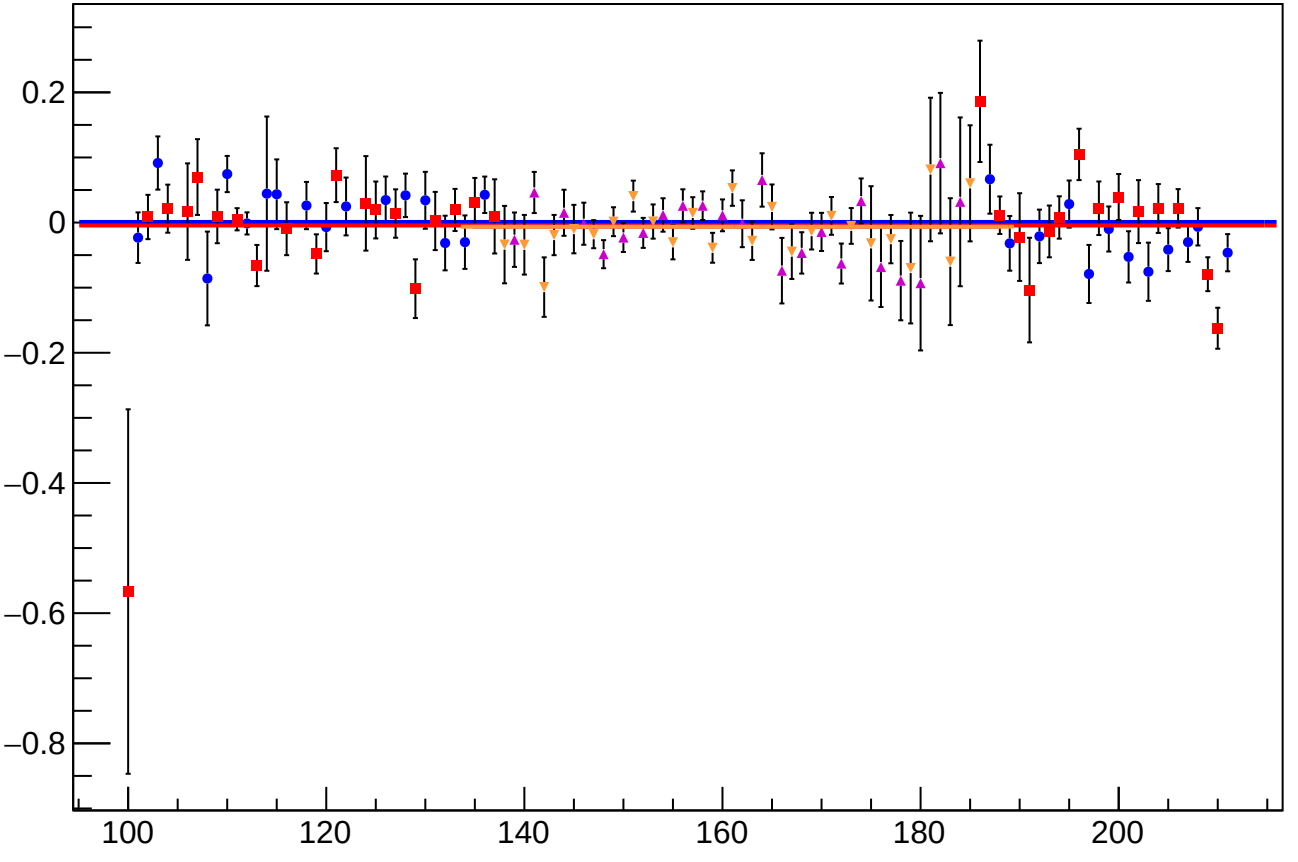
Left In: 0.000+/-0.000 χ^2/NDF:2053049.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 9705948.6/52

All: 0.000+/-0.000 χ^2/NDF: 19905319.5/108

- sign 0.000+/-0.000 χ^2/NDF: 10190797.4/55

asym_sam8_dit_vs_cor_diff_mean vs Slug



Right In: 0.001+/-0.007 χ^2/NDF: 38.3/27

Left Out: -0.006+/-0.006 χ^2/NDF:22.6/24

Right Out: -0.004+/-0.006 χ^2/NDF: 73.9/32

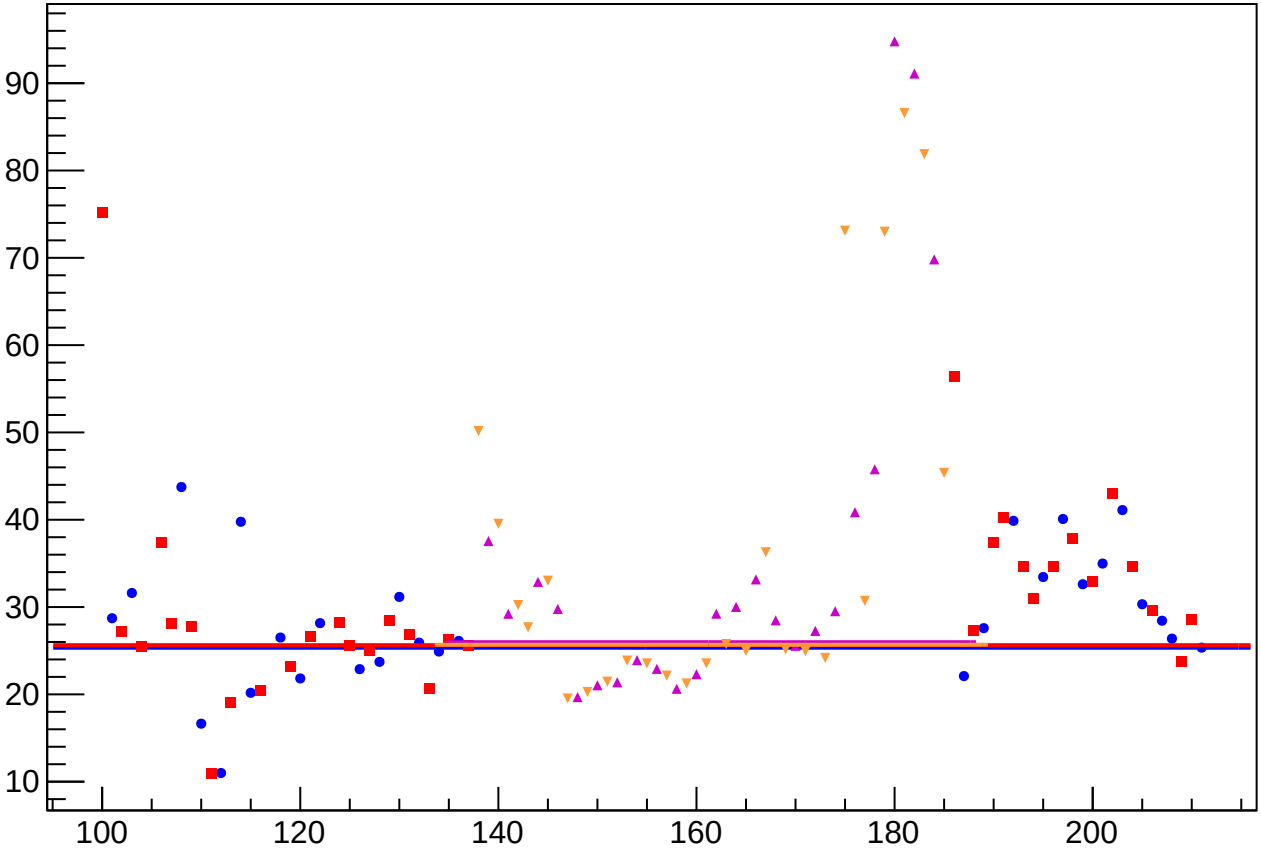
Left In: -0.006+/-0.007 χ^2/NDF:28.4/22

+ sign -0.003+/-0.005 χ^2/NDF: 61.5/52

All: -0.004+/-0.003 χ^2/NDF: 164.0/108

- sign -0.005+/-0.005 χ^2/NDF: 102.3/55

asym_sam8_dit_vs_cor_diff_rms vs Slug



Right In: 25.343+/-0.005 χ^2/NDF: 3051685.0/27

Left Out: 25.685+/-0.005 χ^2/NDF:3871541.1/24

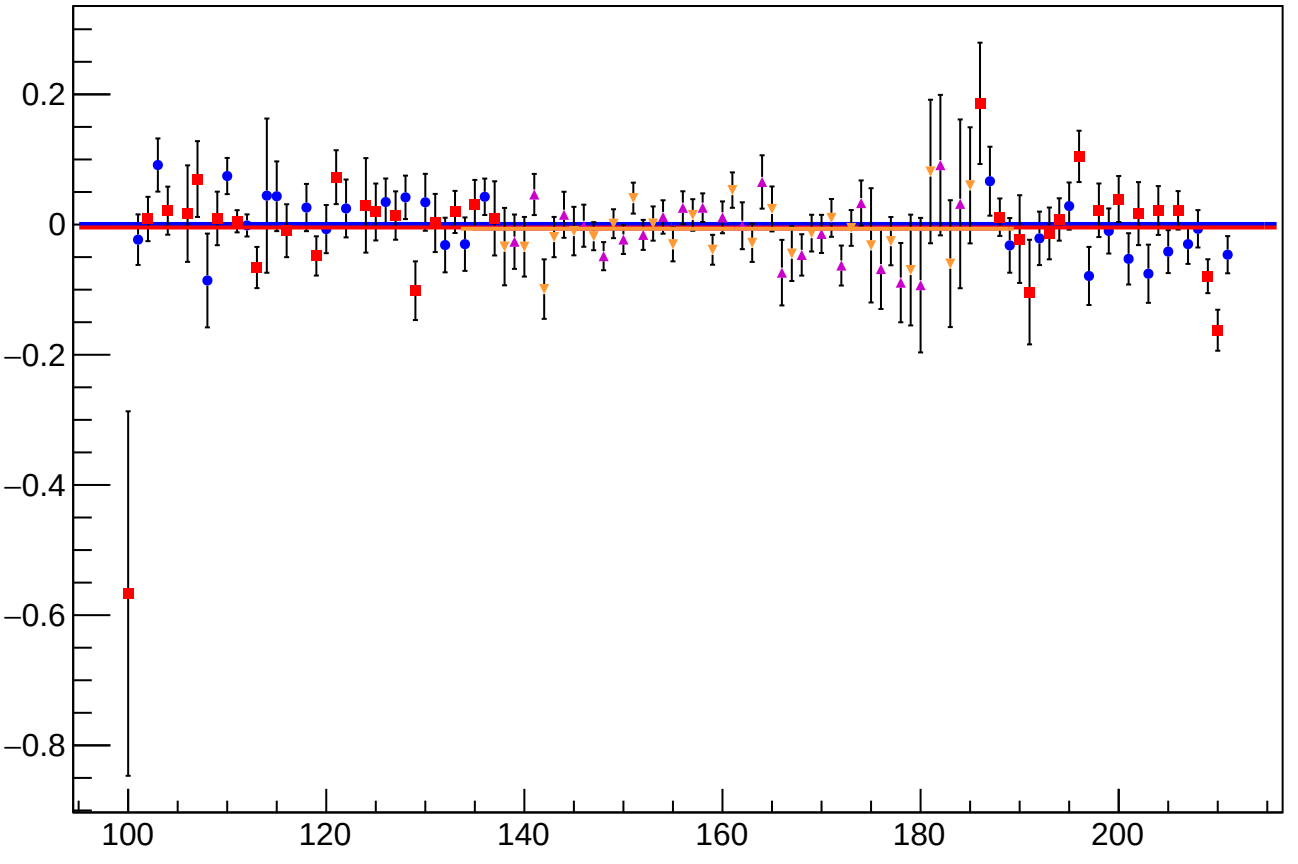
Right Out: 25.635+/-0.005 χ^2/NDF: 3122265.3/32

Left In: 25.972+/-0.005 χ^2/NDF:3118335.6/22

\+ sign 25.521+/-0.003 χ^2/NDF: 6925962.8/52

All: 25.660+/-0.002 χ^2/NDF: 13172822.8/108

\- sign 25.799+/-0.003 χ^2/NDF: 6243243.7/55



Right In: 0.001+/-0.007 χ^2/NDF: 38.3/27

Left Out: -0.006+/-0.006 χ^2/NDF:22.6/24

Right Out: -0.004+/-0.006 χ^2/NDF: 73.9/32

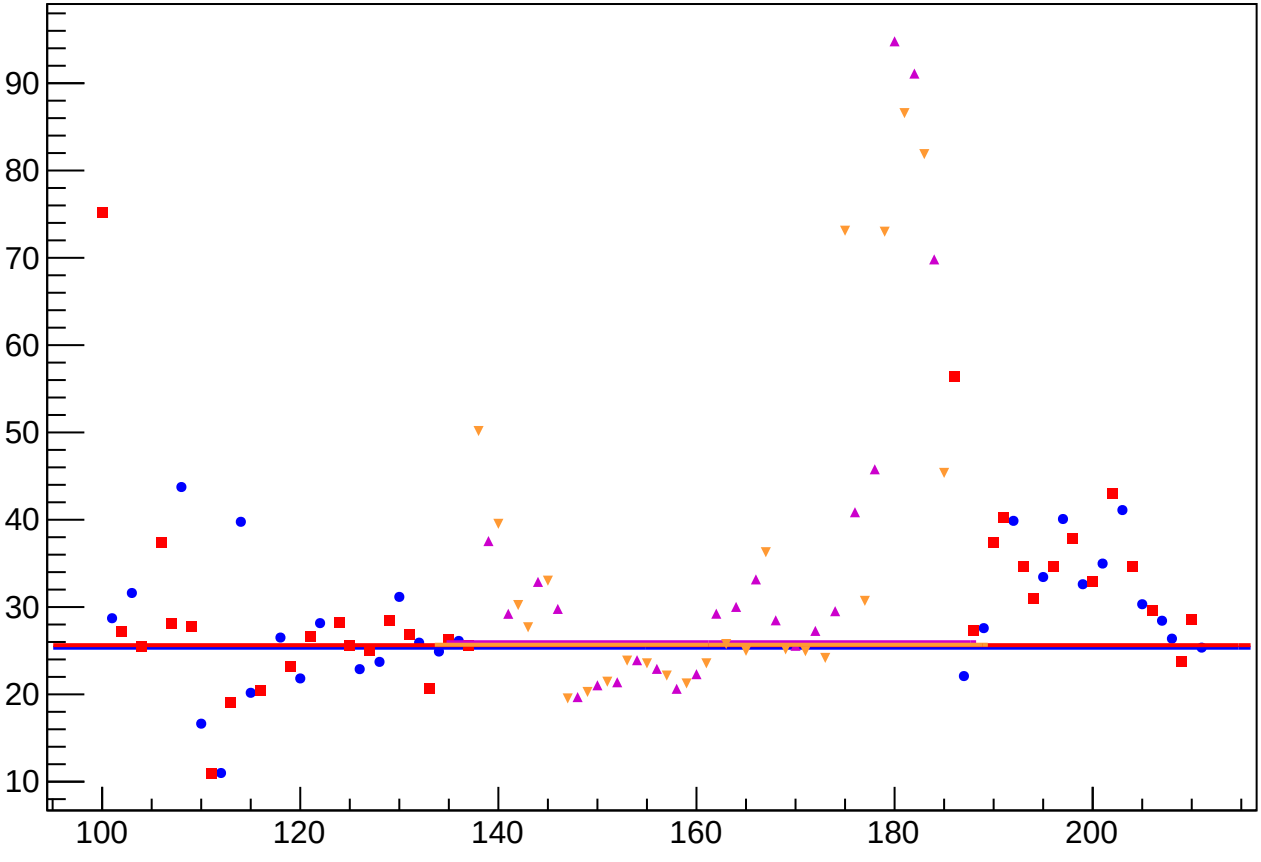
Left In: -0.006+/-0.007 χ^2/NDF:28.4/22

+ sign -0.003+/-0.005 χ^2/NDF: 61.5/52

All: -0.004+/-0.003 χ^2/NDF: 164.0/108

- sign -0.005+/-0.005 χ^2/NDF: 102.3/55

asym_sam8_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 25.343+/-0.005 χ^2/NDF: 3051685.0/27

Left Out: 25.685+/-0.005 χ^2/NDF:3871541.1/24

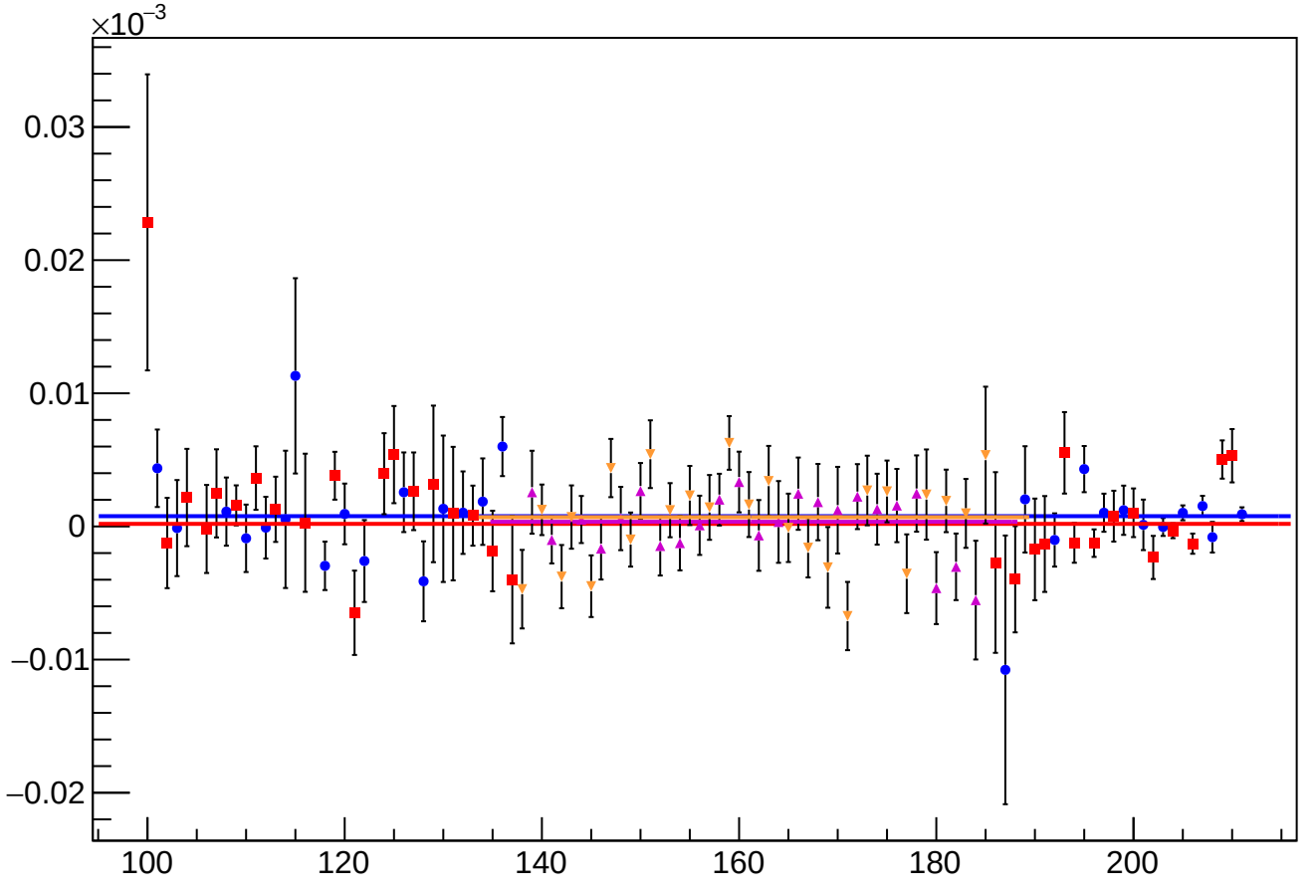
Right Out: 25.635+/-0.005 χ^2/NDF: 3122265.3/32

Left In: 25.972+/-0.005 χ^2/NDF:3118335.6/22

\+ sign 25.521+/-0.003 χ^2/NDF: 6925962.8/52

All: 25.660+/-0.002 χ^2/NDF: 13172822.8/108

\- sign 25.799+/-0.003 χ^2/NDF: 6243243.7/55



Right In: 0.000+/-0.000 χ^2/NDF: 29.5/27

Left Out: 0.000+/-0.000 χ^2/NDF:44.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 55.5/32

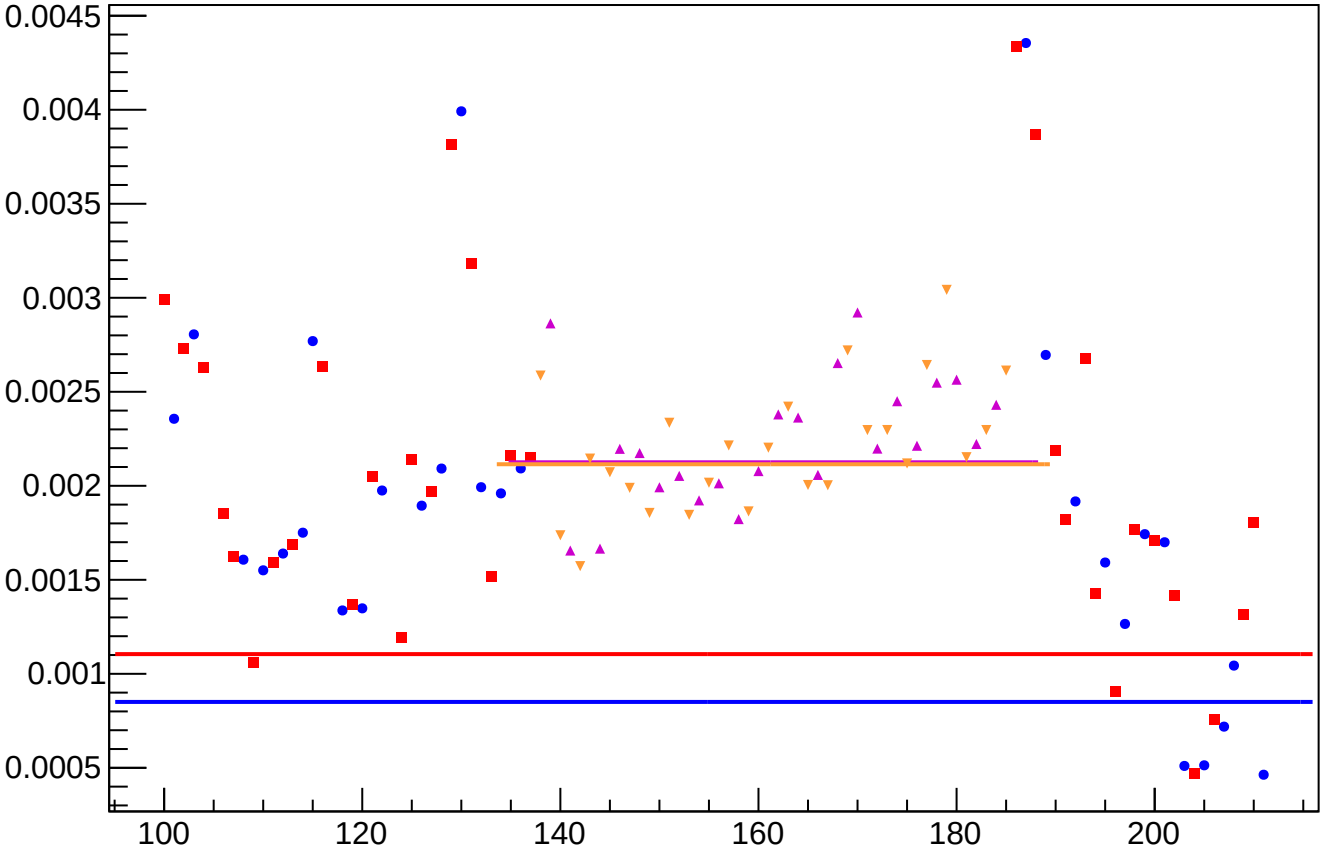
Left In: 0.000+/-0.000 χ^2/NDF:16.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 73.9/52

All: 0.000+/-0.000 χ^2/NDF: 148.0/108

- sign 0.000+/-0.000 χ^2/NDF: 71.9/55

asym_sam8_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 9847477.0/27

Left Out: 0.002+/-0.000 χ^2/NDF:743658.4/24

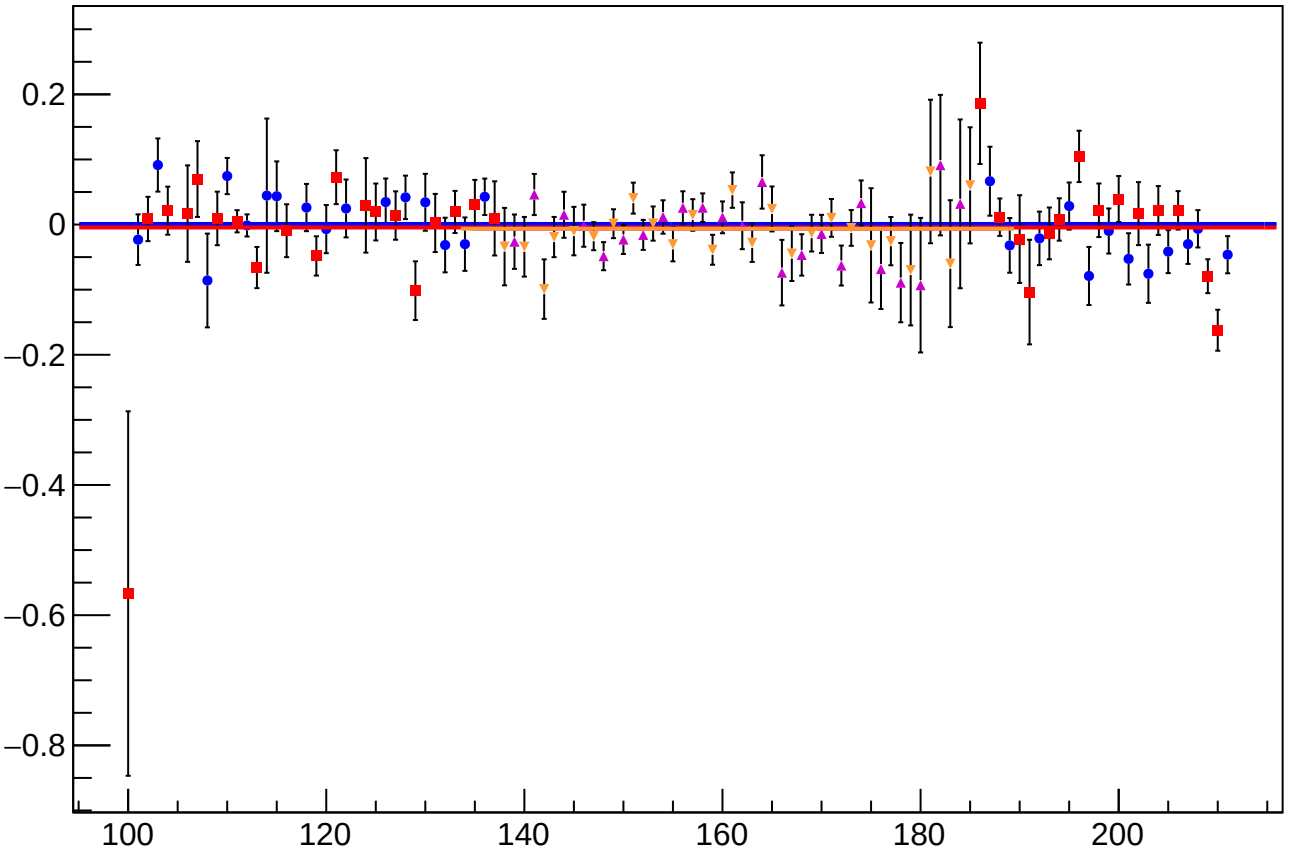
Right Out: 0.001+/-0.000 χ^2/NDF: 9277747.1/32

Left In: 0.002+/-0.000 χ^2/NDF:837770.9/22

+ sign 0.001+/-0.000 χ^2/NDF: 21168094.4/52

All: 0.001+/-0.000 χ^2/NDF: 38364328.0/108

- sign 0.001+/-0.000 χ^2/NDF: 16106054.2/55



Right In: 0.001+/-0.007 χ^2/NDF: 38.3/27

Left Out: -0.006+/-0.006 χ^2/NDF:22.6/24

Right Out: -0.004+/-0.006 χ^2/NDF: 73.9/32

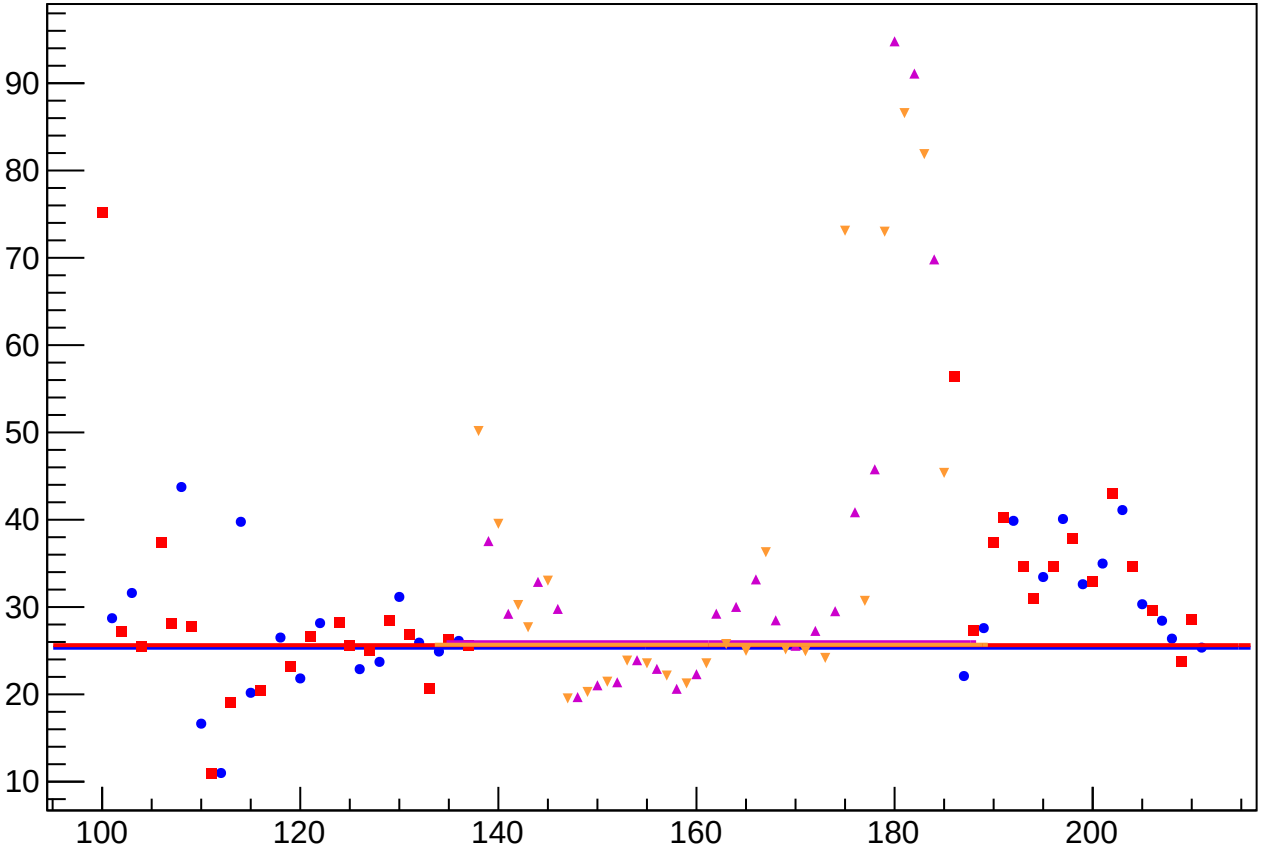
Left In: -0.006+/-0.007 χ^2/NDF:28.4/22

+ sign -0.003+/-0.005 χ^2/NDF: 61.5/52

All: -0.004+/-0.003 χ^2/NDF: 163.9/108

- sign -0.005+/-0.005 χ^2/NDF: 102.3/55

asym_sam8_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 25.343+/-0.005 χ^2/NDF: 3051965.2/27

Left Out: 25.685+/-0.005 χ^2/NDF:3871544.4/24

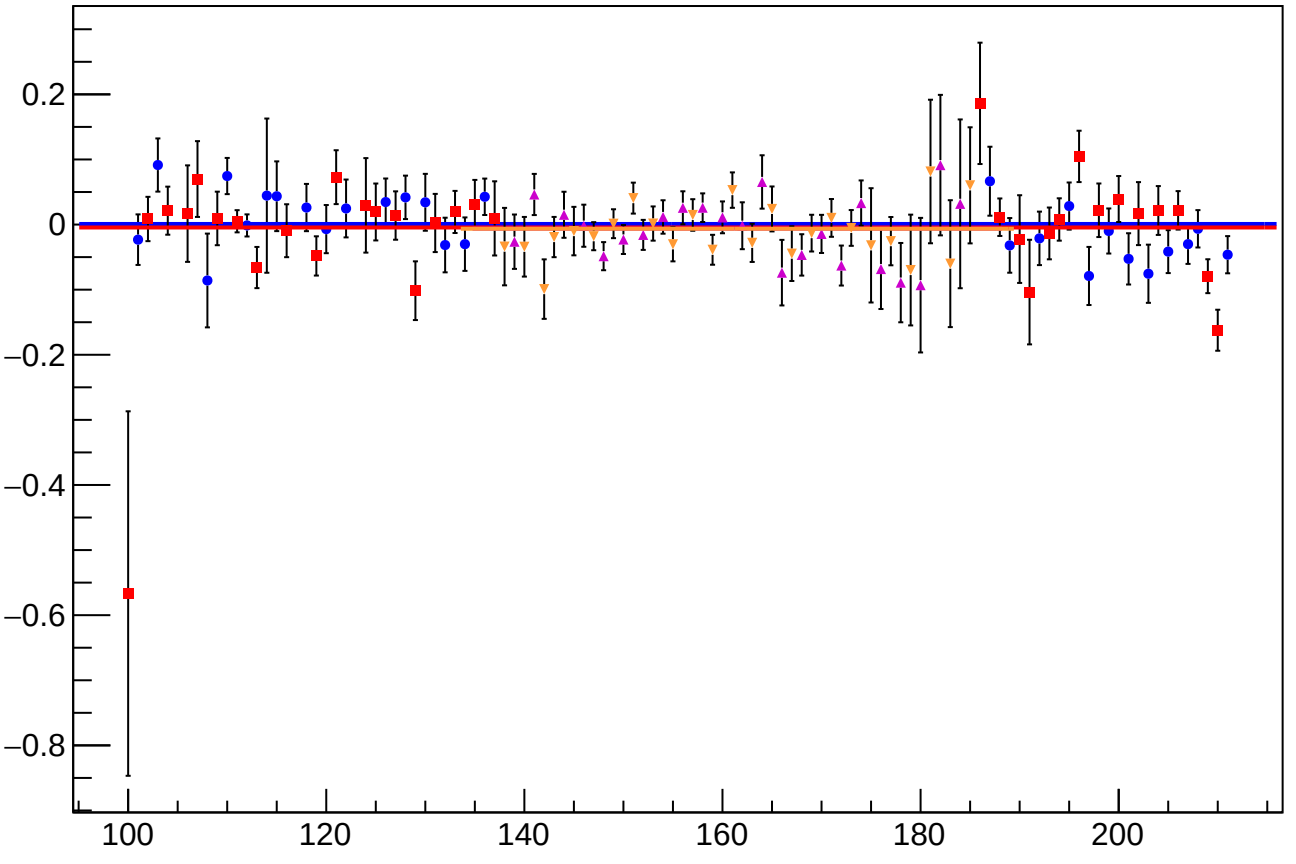
Right Out: 25.634+/-0.005 χ^2/NDF: 3122547.7/32

Left In: 25.972+/-0.005 χ^2/NDF:3118315.0/22

+ sign 25.521+/-0.003 χ^2/NDF: 6926255.0/52

All: 25.660+/-0.002 χ^2/NDF: 13173386.5/108

- sign 25.799+/-0.003 χ^2/NDF: 6243516.5/55



Right In: 0.001+/-0.007 χ^2/NDF: 38.3/27

Left Out: -0.006+/-0.006 χ^2/NDF:22.6/24

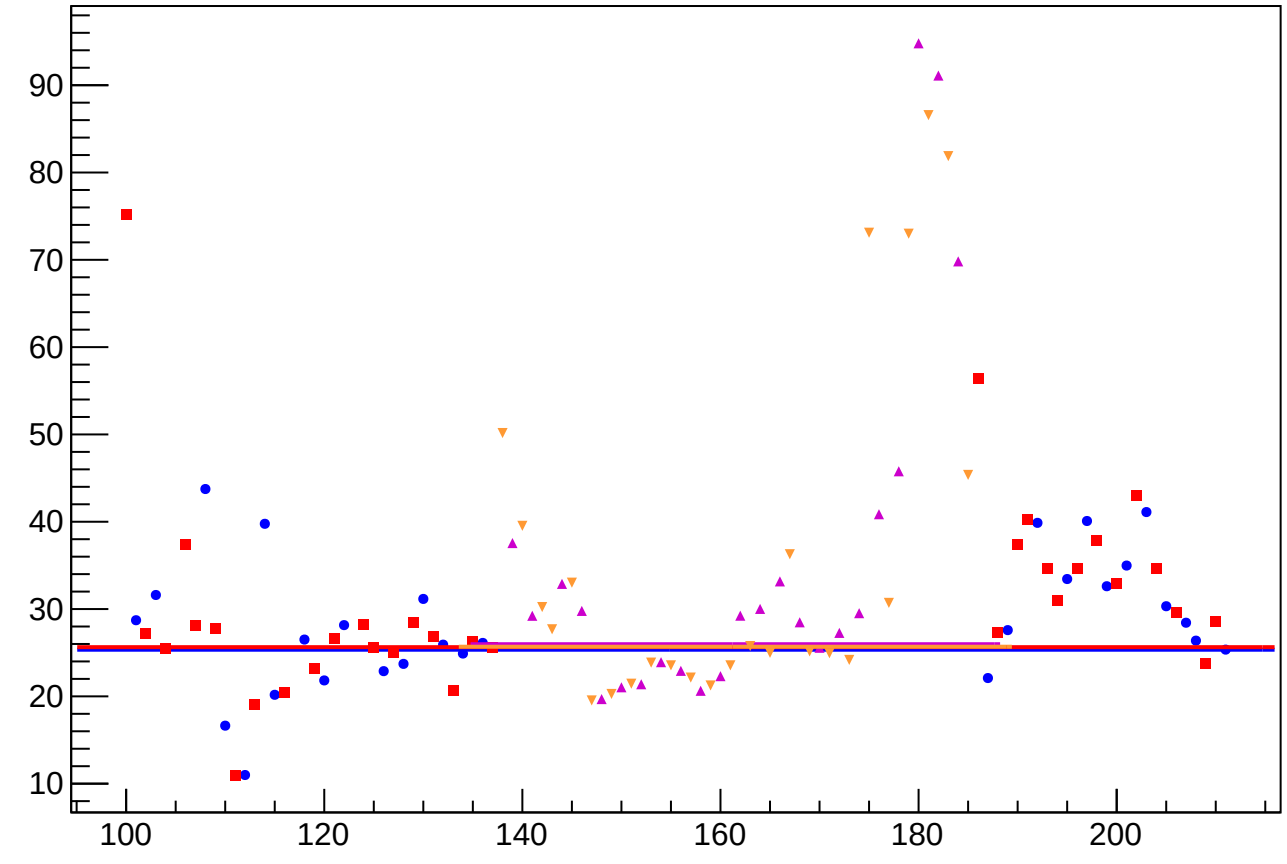
Right Out: -0.004+/-0.006 χ^2/NDF: 73.9/32

Left In: -0.006+/-0.007 χ^2/NDF:28.4/22

+ sign -0.003+/-0.005 χ^2/NDF: 61.5/52

All: -0.004+/-0.003 χ^2/NDF: 163.9/108

- sign -0.005+/-0.005 χ^2/NDF: 102.3/55



Right In: 25.343+/-0.005 χ^2/NDF: 3051965.2/27

Left Out: 25.685+/-0.005 χ^2/NDF:3871544.4/24

Right Out: 25.634+/-0.005 χ^2/NDF: 3122547.7/32

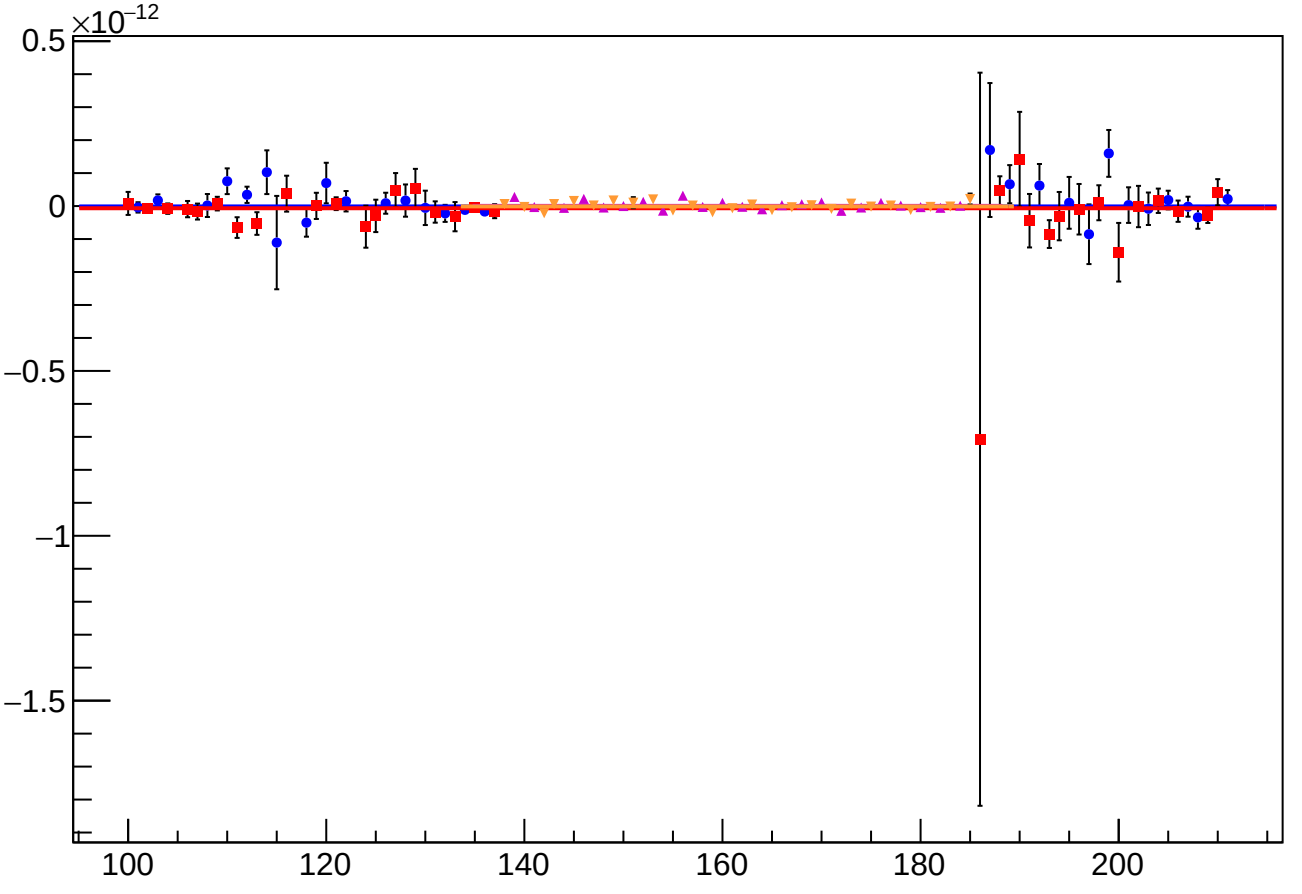
Left In: 25.972+/-0.005 χ^2/NDF:3118315.0/22

+ sign 25.521+/-0.003 χ^2/NDF: 6926255.0/52

All: 25.660+/-0.002 χ^2/NDF: 13173386.5/108

- sign 25.799+/-0.003 χ^2/NDF: 6243516.5/55

asym_sam8_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 28.5/27

Left Out: -0.000+/-0.000 χ^2/NDF:28.8/24

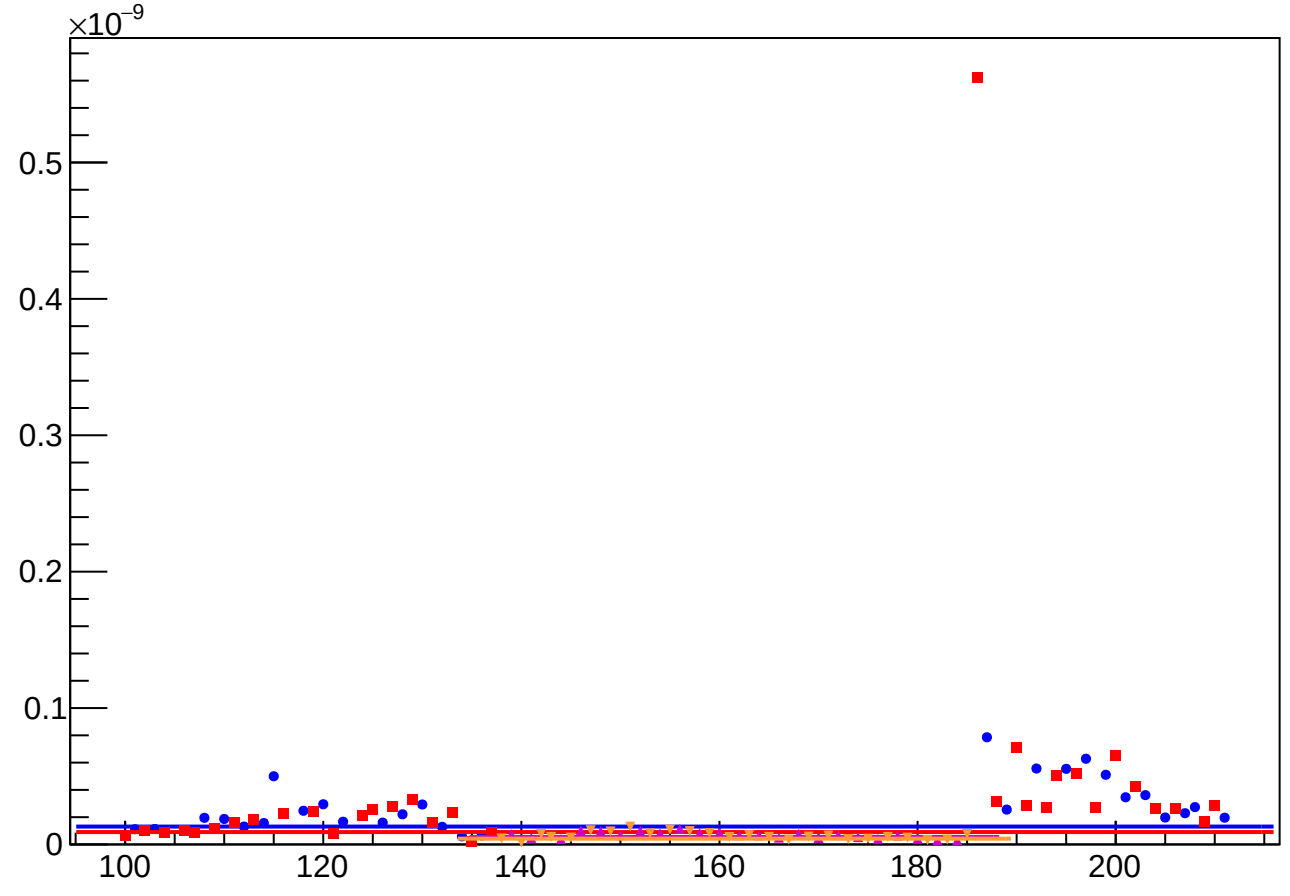
Right Out: -0.000+/-0.000 χ^2/NDF: 23.0/32

Left In: 0.000+/-0.000 χ^2/NDF:29.7/22

+ sign -0.000+/-0.000 χ^2/NDF: 57.3/52

All: -0.000+/-0.000 χ^2/NDF: 112.6/108

- sign -0.000+/-0.000 χ^2/NDF: 55.3/55



Right In: 0.000+/-0.000 χ^2/NDF: 6896547.9/27

Left Out: 0.000+/-0.000 χ^2/NDF:5399109.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 11018107.5/32

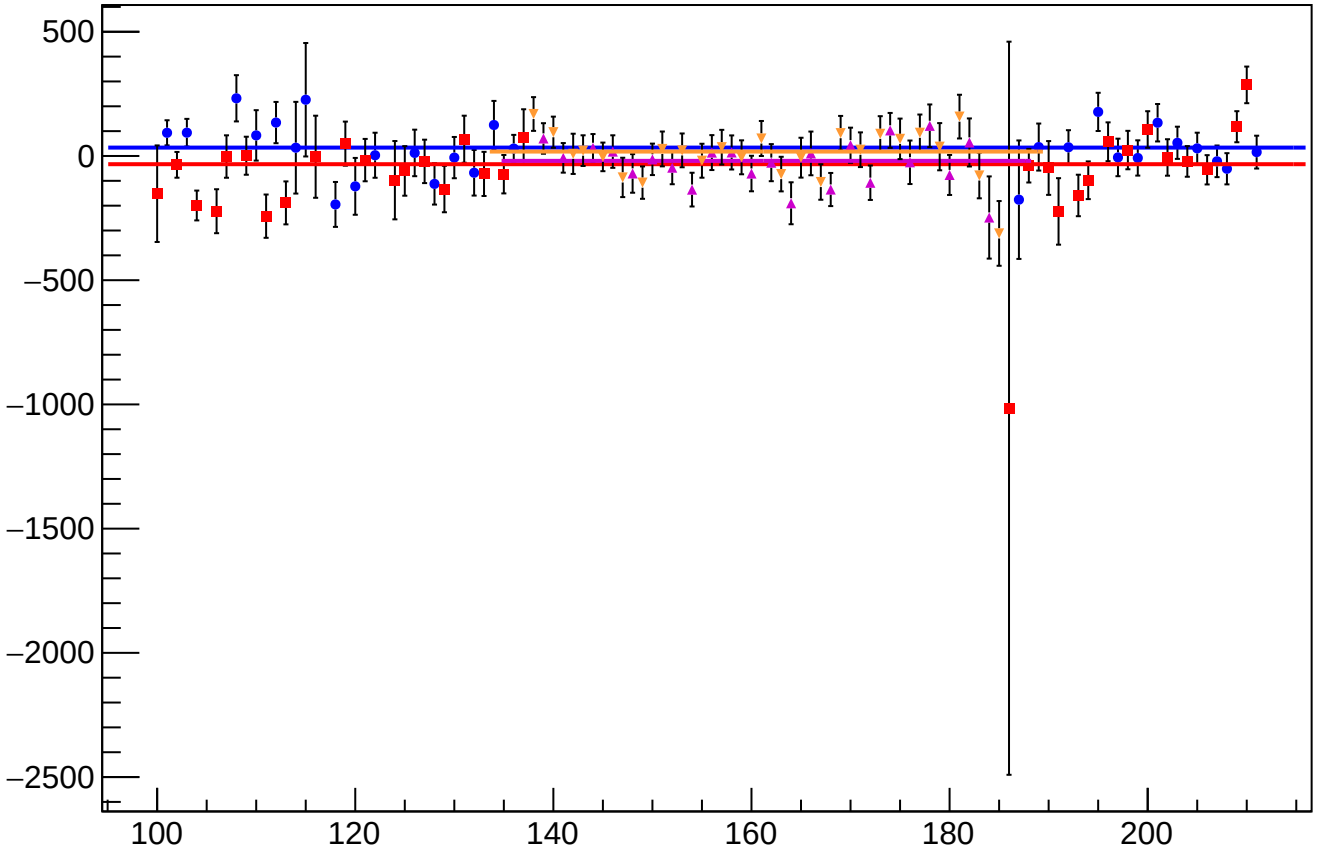
Left In: 0.000+/-0.000 χ^2/NDF:2811616.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 18036425.0/52

All: 0.000+/-0.000 χ^2/NDF: 33772342.8/108

- sign 0.000+/-0.000 χ^2/NDF: 15172394.5/55

reg_asym_sam_15_avg_mean vs Slug



Right In: 33.758+/-14.621 χ^2/NDF: 32.8/27

Left Out: 17.800+/-14.495 χ^2/NDF:31.6/24

Right Out: -33.063+/-14.255 χ^2/NDF: 62.7/32

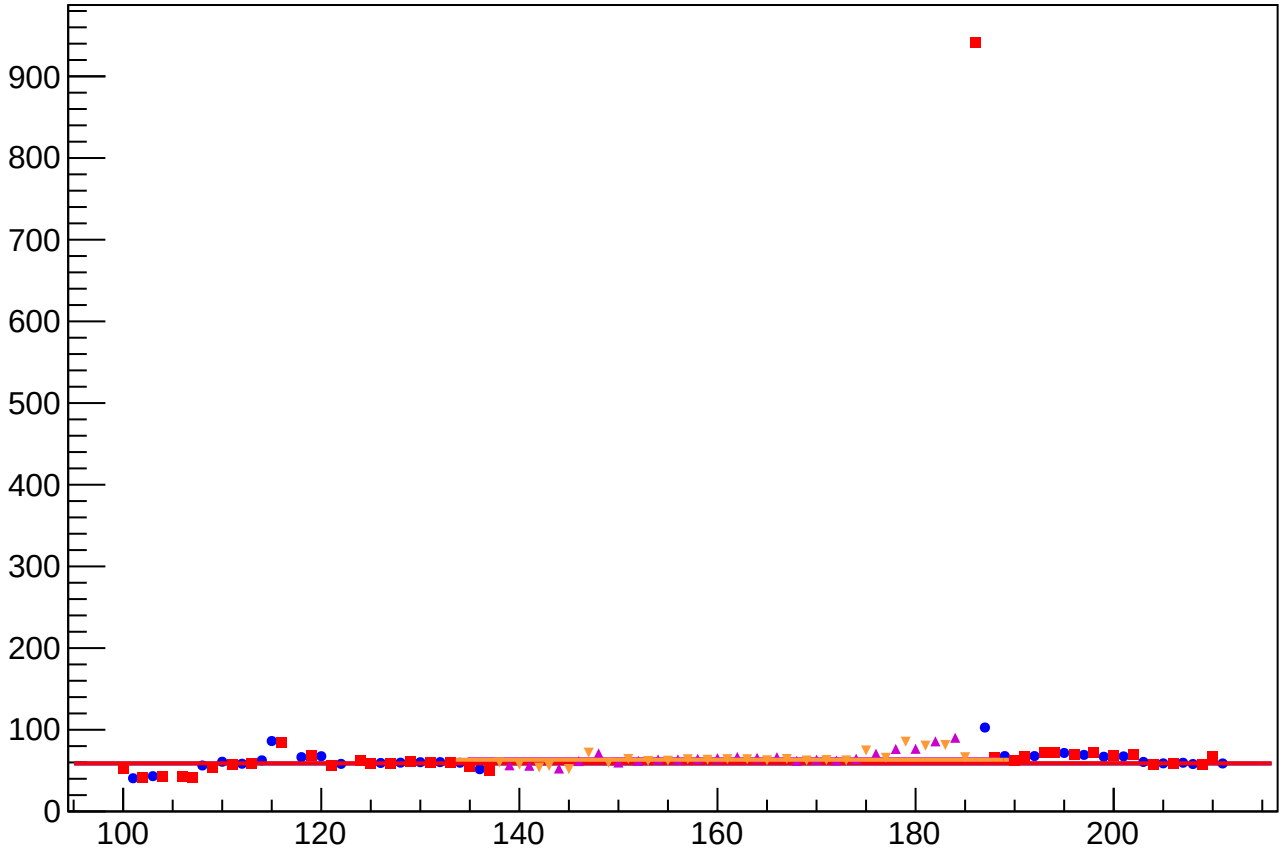
Left In: -19.642+/-15.040 χ^2/NDF:26.2/22

+ sign 25.710+/-10.294 χ^2/NDF: 64.9/52

All: -0.368+/-7.297 χ^2/NDF: 167.2/108

- sign -26.712+/-10.346 χ^2/NDF: 89.4/55

reg_asym_sam_15_avg_rms vs Slug



Right In: 58.707+/-0.010 χ^2/NDF: 777050.6/27

Left Out: 63.312+/-0.010 χ^2/NDF:497429.6/24

Right Out: 58.939+/-0.010 χ^2/NDF: 1673991.0/32

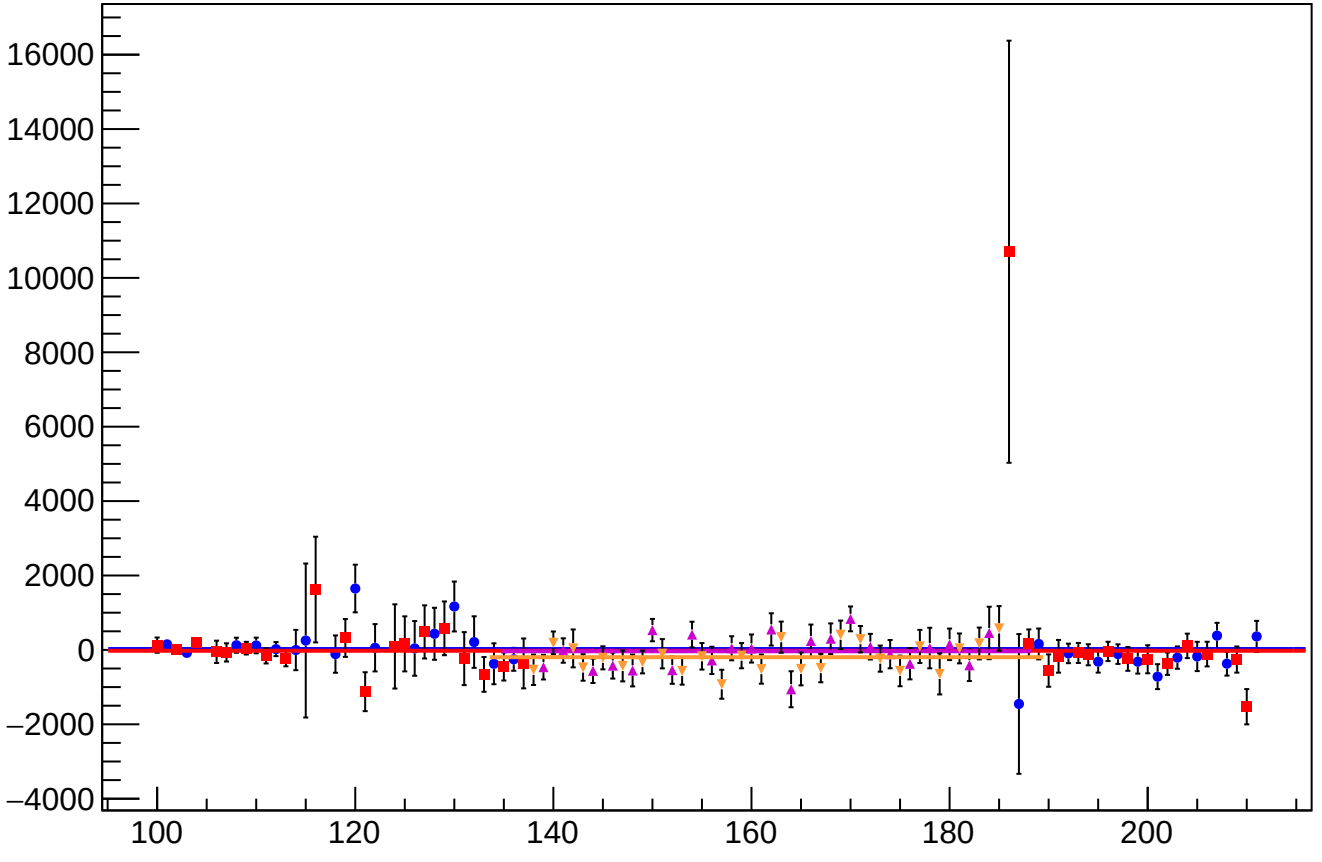
Left In: 63.918+/-0.011 χ^2/NDF:445309.5/22

+ sign 61.029+/-0.007 χ^2/NDF: 1374574.0/52

All: 61.162+/-0.005 χ^2/NDF: 3610030.4/108

- sign 61.295+/-0.007 χ^2/NDF: 2234794.1/55

asym_sam_15_avg_reg_correction_mean vs Slug



Right In: 22.952+/-41.900 χ^2/NDF: 29.2/27

Left Out: -195.947+/-77.088 χ^2/NDF:20.6/24

Right Out: -22.734+/-44.146 χ^2/NDF: 37.6/32

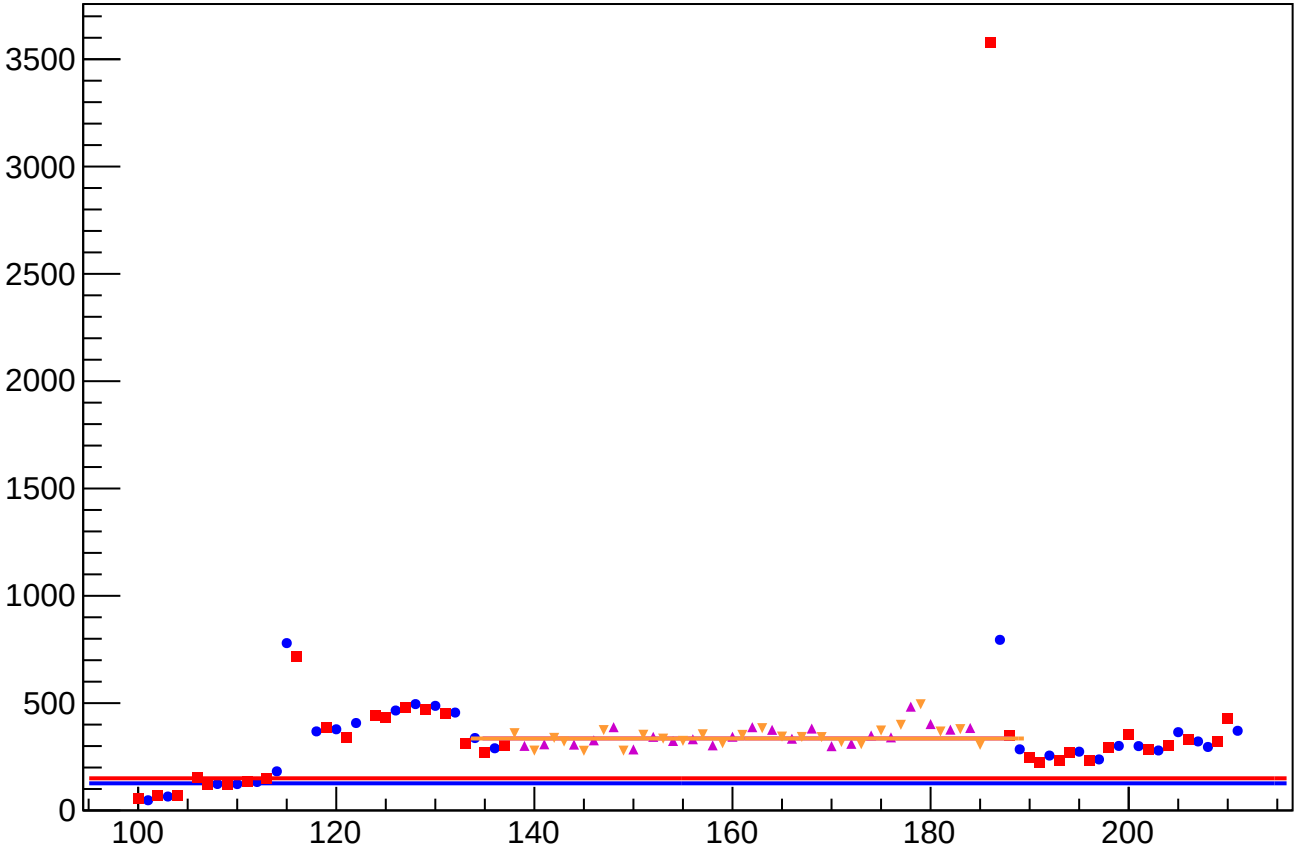
Left In: -36.417+/-79.210 χ^2/NDF:31.1/22

\+ sign -26.969+/-36.813 χ^2/NDF: 56.0/52

All: -26.496+/-26.628 χ^2/NDF: 124.8/108

\- sign -25.977+/-38.562 χ^2/NDF: 68.7/55

asym_sam_15_avg_reg_correction_rms vs Slug



Right In: 126.401+/-0.030 χ^2/NDF: 14123543.3/27

Left Out: 335.271+/-0.055 χ^2/NDF:563801.0/24

Right Out: 149.791+/-0.031 χ^2/NDF: 12519051.2/32

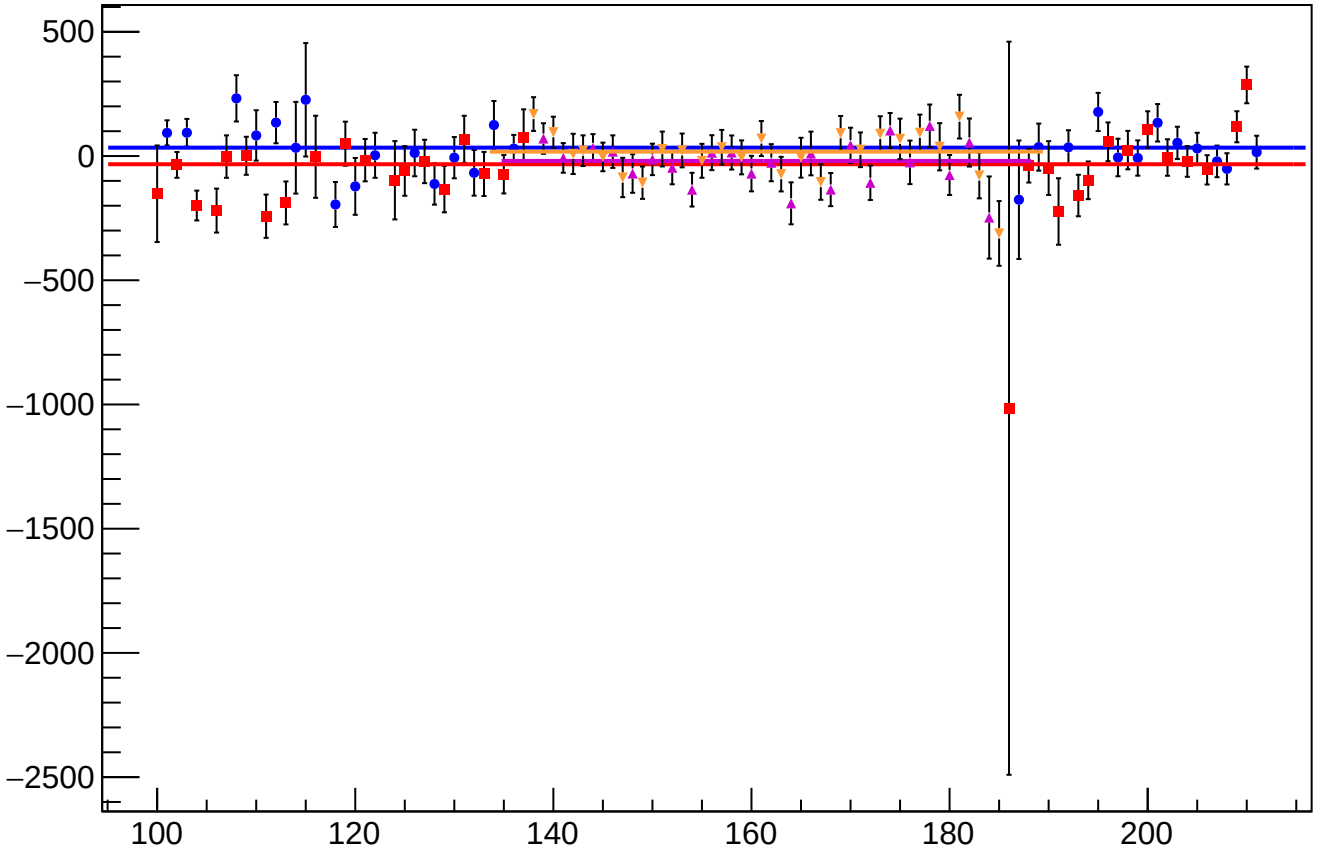
Left In: 335.526+/-0.056 χ^2/NDF:495163.6/22

+ sign 174.034+/-0.026 χ^2/NDF: 26021671.2/52

All: 183.464+/-0.019 χ^2/NDF: 47701499.5/10

- sign 193.810+/-0.027 χ^2/NDF: 21404620.1/55

cor_asym_sam_15_avg_mean vs Slug



Right In: 33.764+/-14.621 χ^2/NDF: 32.8/27

Left Out: 17.804+/-14.495 χ^2/NDF:31.6/24

Right Out: -32.991+/-14.255 χ^2/NDF: 62.6/32

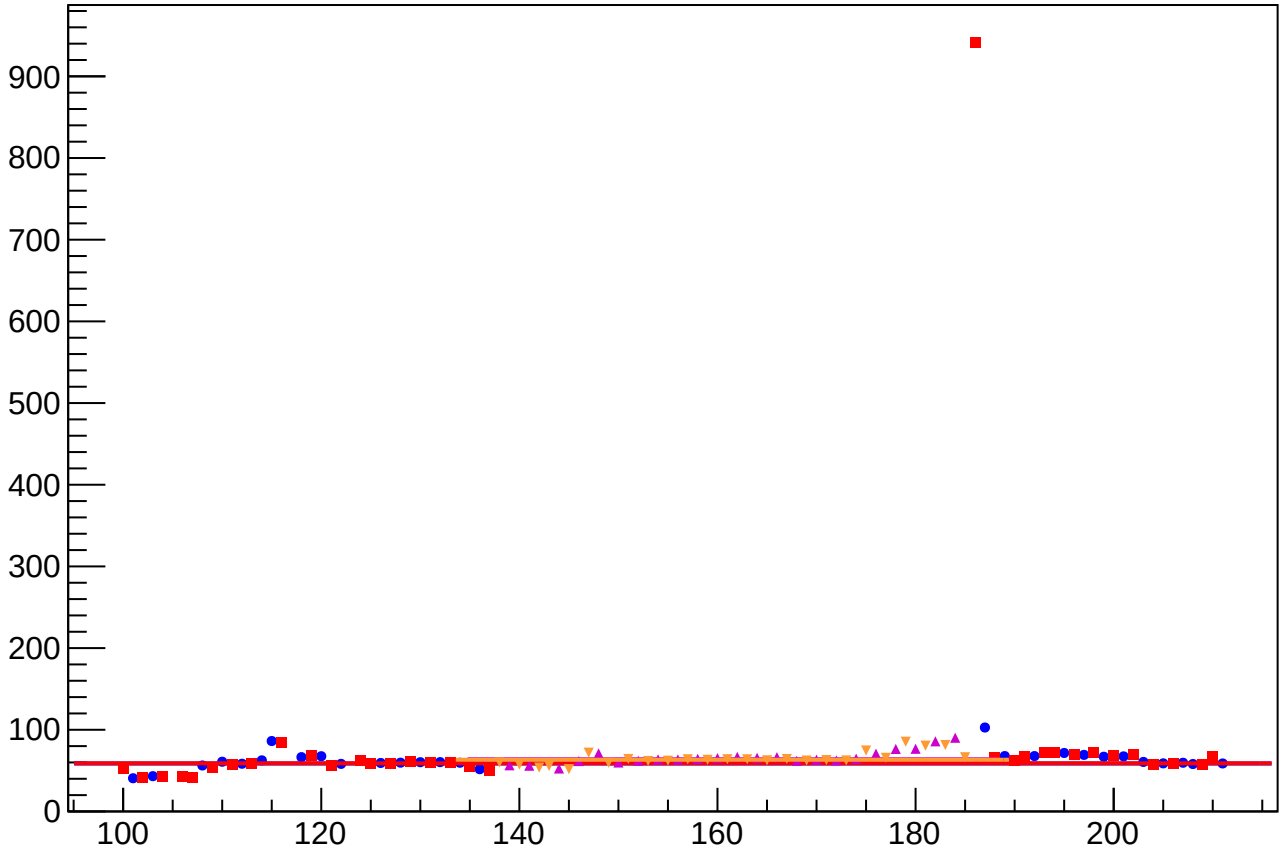
Left In: -19.642+/-15.040 χ^2/NDF:26.2/22

+ sign 25.715+/-10.294 χ^2/NDF: 64.9/52

All: -0.346+/-7.297 χ^2/NDF: 167.0/108

- sign -26.674+/-10.346 χ^2/NDF: 89.2/55

cor_asym_sam_15_avg_rms vs Slug



Right In: 58.707+/-0.010 χ^2/NDF: 777049.6/27

Left Out: 63.312+/-0.010 χ^2/NDF:497429.6/24

Right Out: 58.938+/-0.010 χ^2/NDF: 1674410.7/32

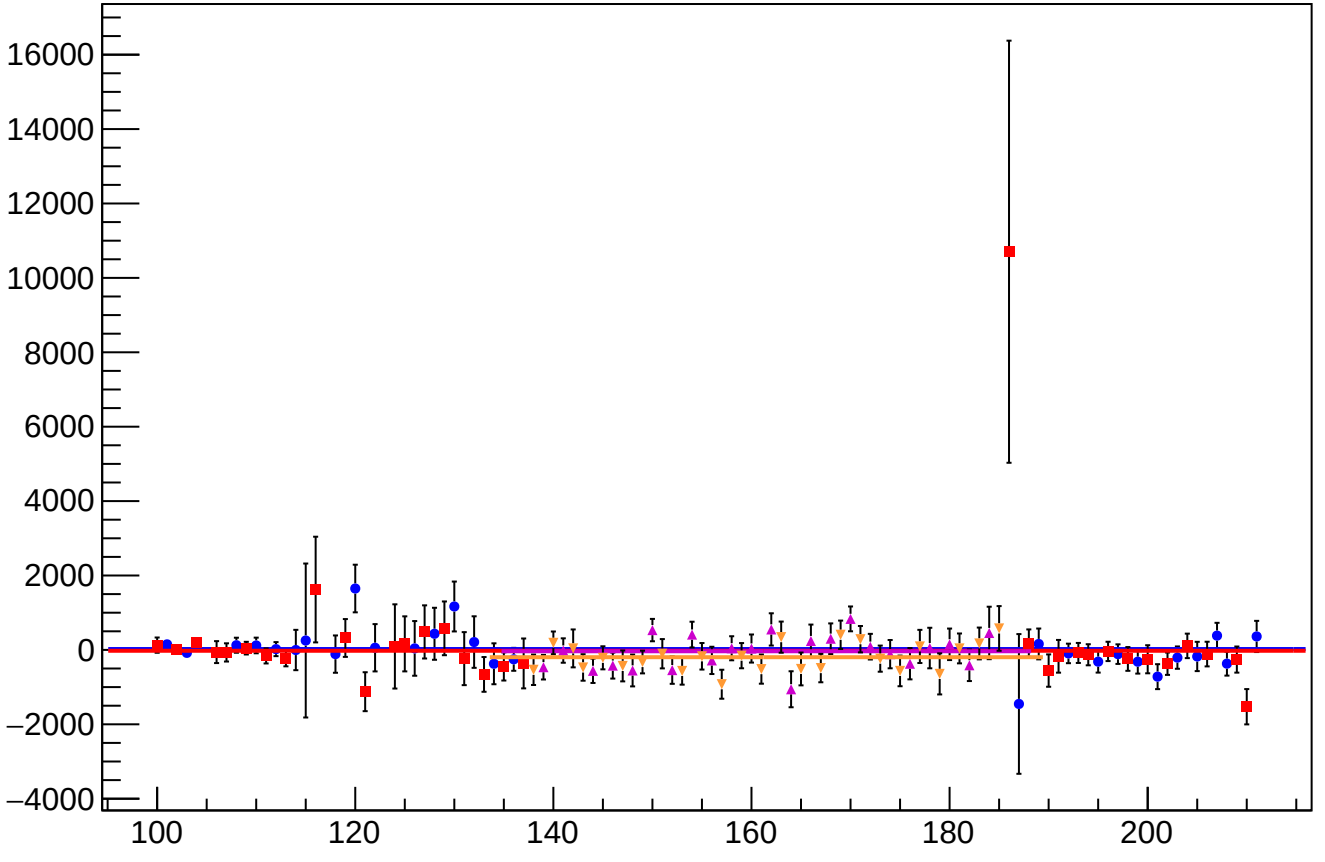
Left In: 63.918+/-0.011 χ^2/NDF:445309.5/22

\+ sign 61.029+/-0.007 χ^2/NDF: 1374572.9/52

All: 61.161+/-0.005 χ^2/NDF: 3610477.1/108

\- sign 61.295+/-0.007 χ^2/NDF: 2235243.4/55

asym_sam_15_avg_cor_correction_mean vs Slug



Right In: 22.956+/-41.899 χ^2/NDF: 29.2/27

Left Out: -195.942+/-77.088 χ^2/NDF:20.6/24

Right Out: -23.010+/-44.117 χ^2/NDF: 37.6/32

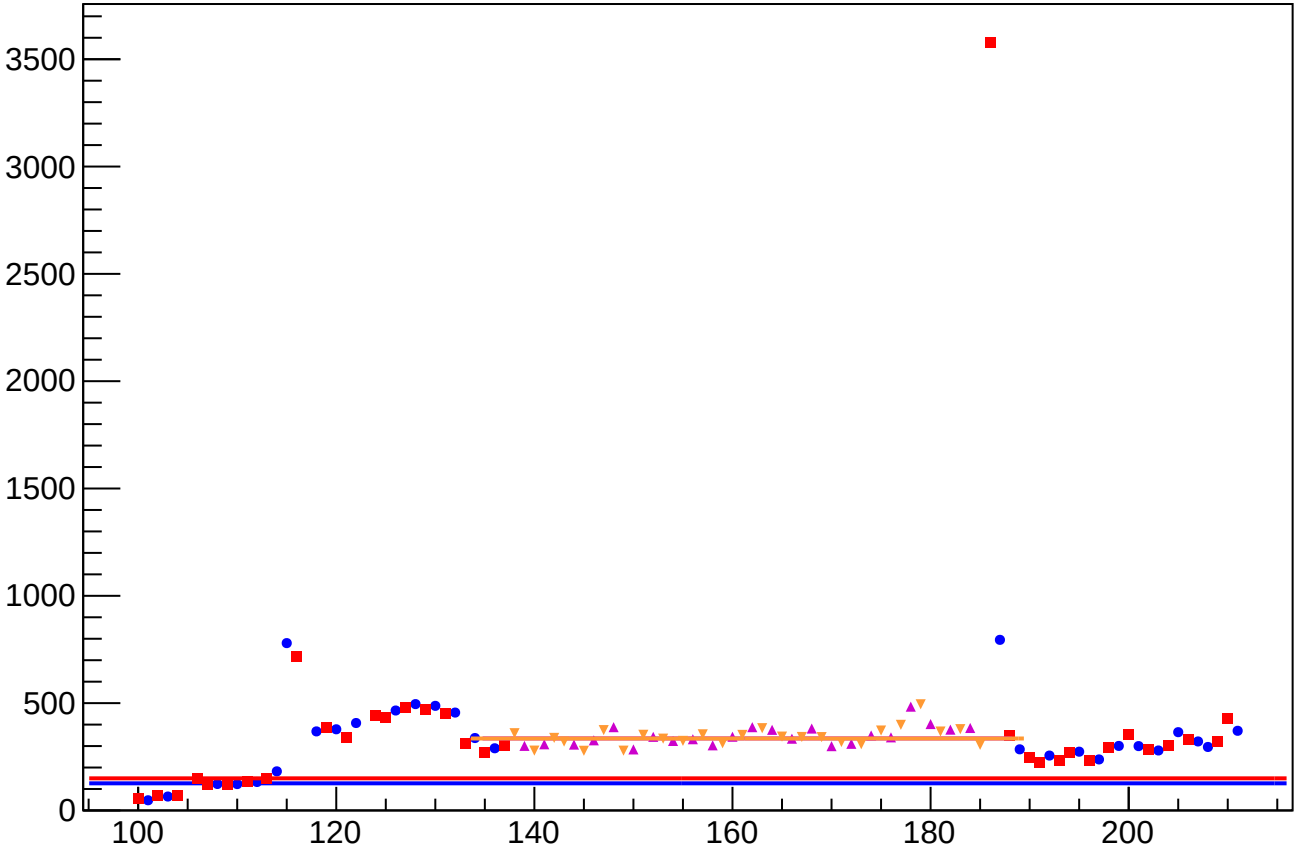
Left In: -36.414+/-79.210 χ^2/NDF:31.1/22

\+ sign -26.963+/-36.813 χ^2/NDF: 56.0/52

All: -26.591+/-26.621 χ^2/NDF: 124.8/108

\- sign -26.184+/-38.542 χ^2/NDF: 68.7/55

asym_sam_15_avg_cor_correction_rms vs Slug



Right In: 126.397+/-0.030 χ^2/NDF: 14123864.9/27

Left Out: 335.271+/-0.055 χ^2/NDF:563797.0/24

Right Out: 149.599+/-0.031 χ^2/NDF: 12525072.1/32

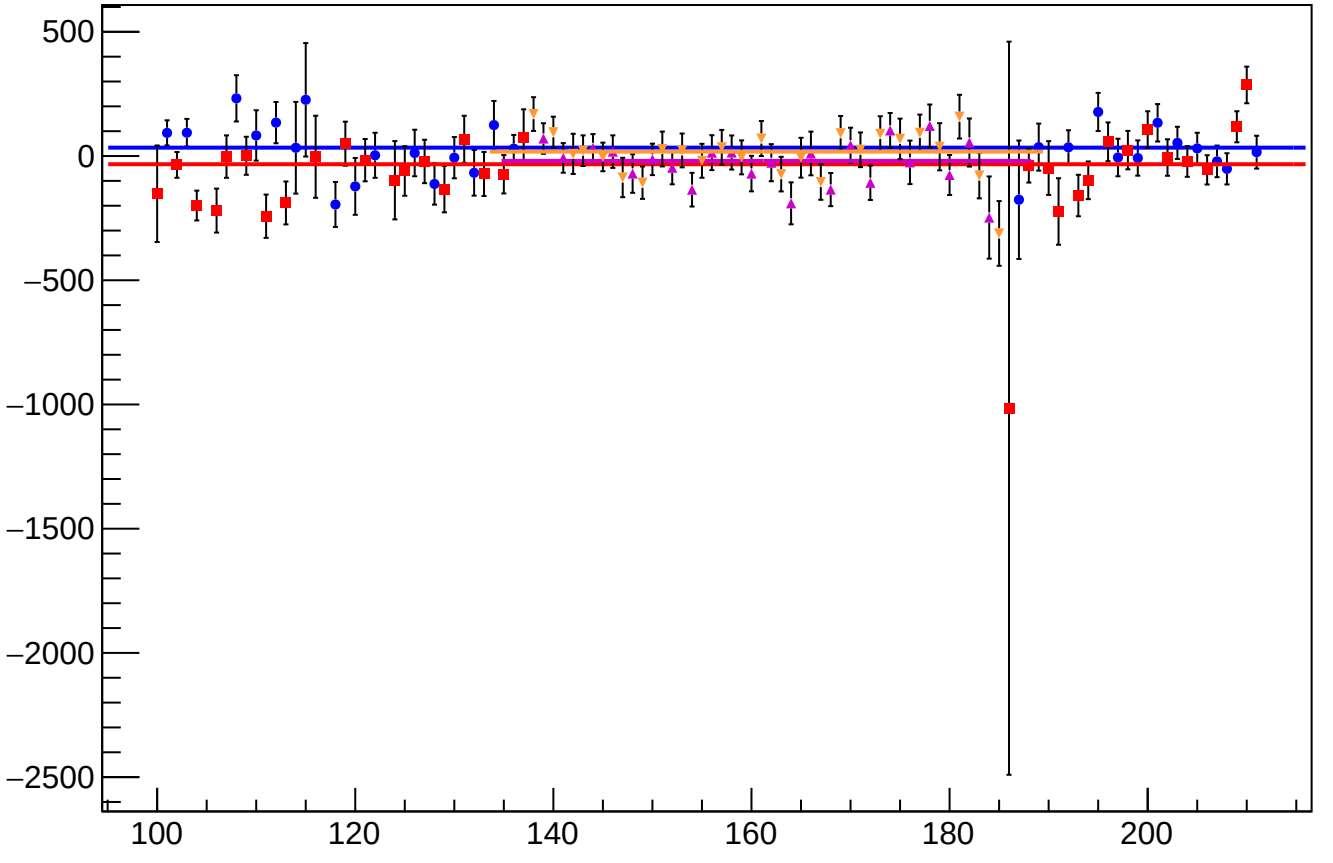
Left In: 335.526+/-0.056 χ^2/NDF:495170.0/22

+ sign 174.030+/-0.026 χ^2/NDF: 26022460.0/52

All: 183.376+/-0.019 χ^2/NDF: 47723244.2/10

- sign 193.620+/-0.027 χ^2/NDF: 21430600.5/55

eigen_cor_asym_sam_15_avg_mean vs Slug



Right In: 33.764+/-14.621 χ^2/NDF: 32.8/27

Left Out: 17.804+/-14.495 χ^2/NDF:31.6/24

Right Out: -32.991+/-14.255 χ^2/NDF: 62.6/32

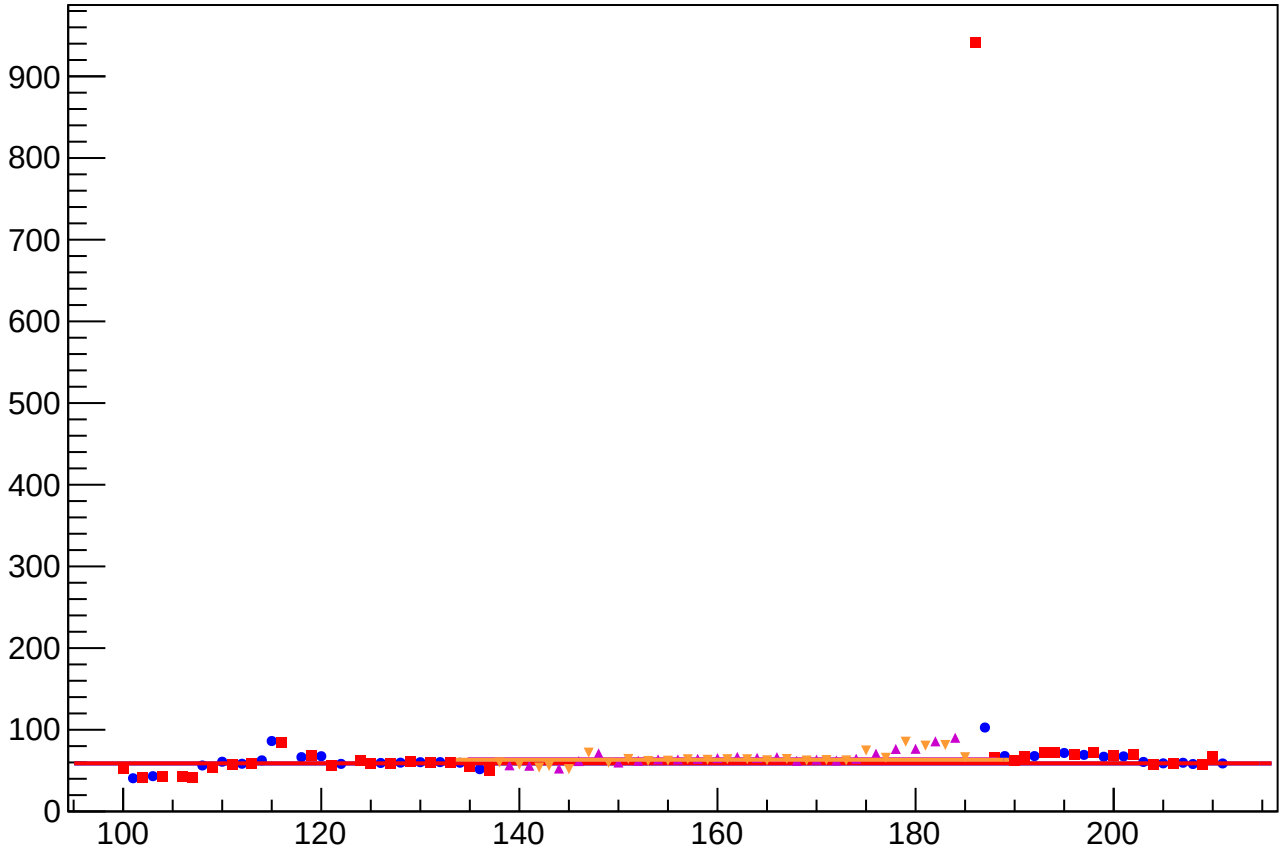
Left In: -19.642+/-15.040 χ^2/NDF:26.2/22

+ sign 25.715+/-10.294 χ^2/NDF: 64.9/52

All: -0.346+/-7.297 χ^2/NDF: 167.0/108

- sign -26.674+/-10.346 χ^2/NDF: 89.2/55

eigen_cor_asym_sam_15_avg_rms vs Slug



Right In: 58.707+/-0.010 χ^2/NDF: 777049.6/27

Left Out: 63.312+/-0.010 χ^2/NDF:497429.6/24

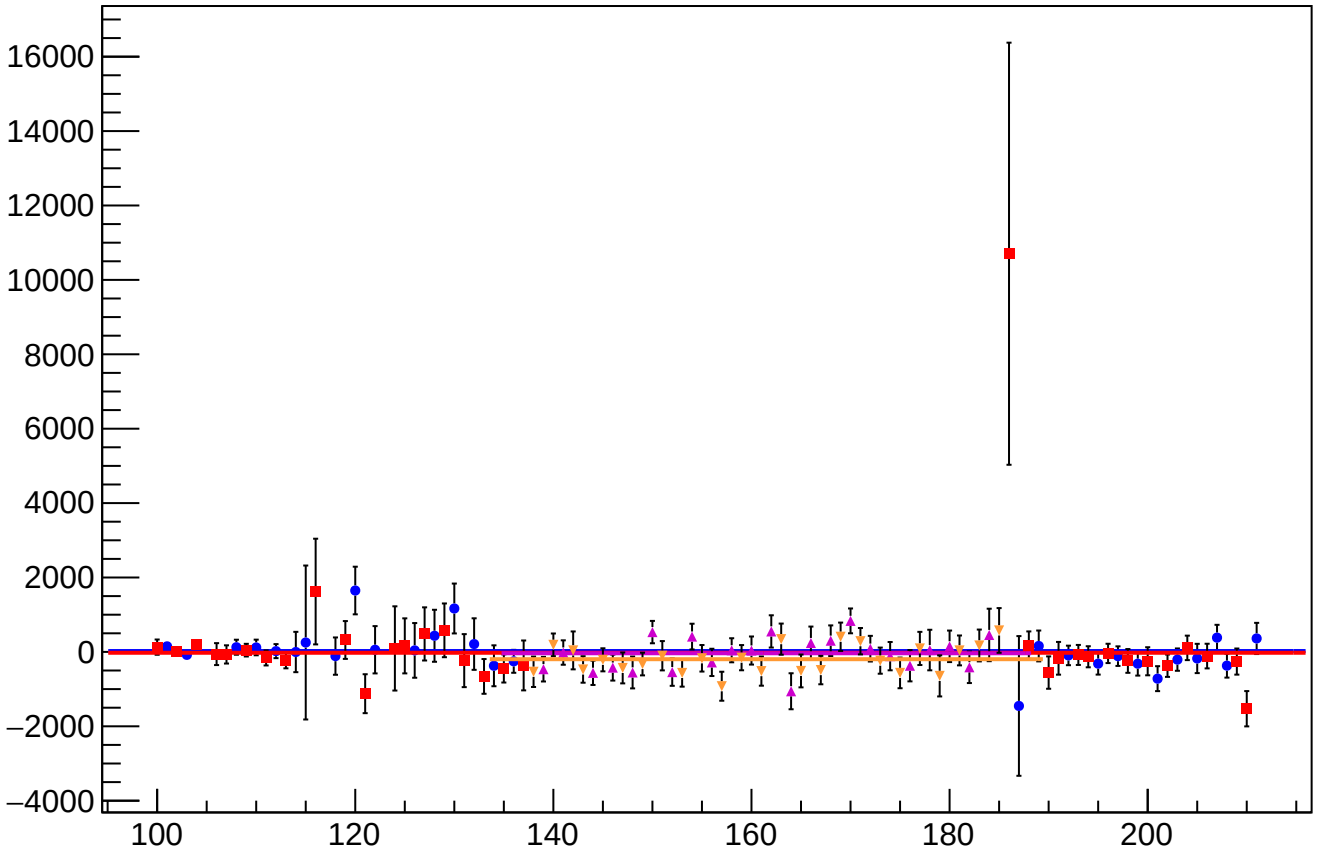
Right Out: 58.938+/-0.010 χ^2/NDF: 1674410.7/32

Left In: 63.918+/-0.011 χ^2/NDF:445309.5/22

+ sign 61.029+/-0.007 χ^2/NDF: 1374572.9/52

All: 61.161+/-0.005 χ^2/NDF: 3610477.1/108

- sign 61.295+/-0.007 χ^2/NDF: 2235243.4/55



Right In: 22.956+/-41.899 χ^2/NDF: 29.2/27

Left Out: -195.942+/-77.088 χ^2/NDF:20.6/24

Right Out: -23.010+/-44.117 χ^2/NDF: 37.6/32

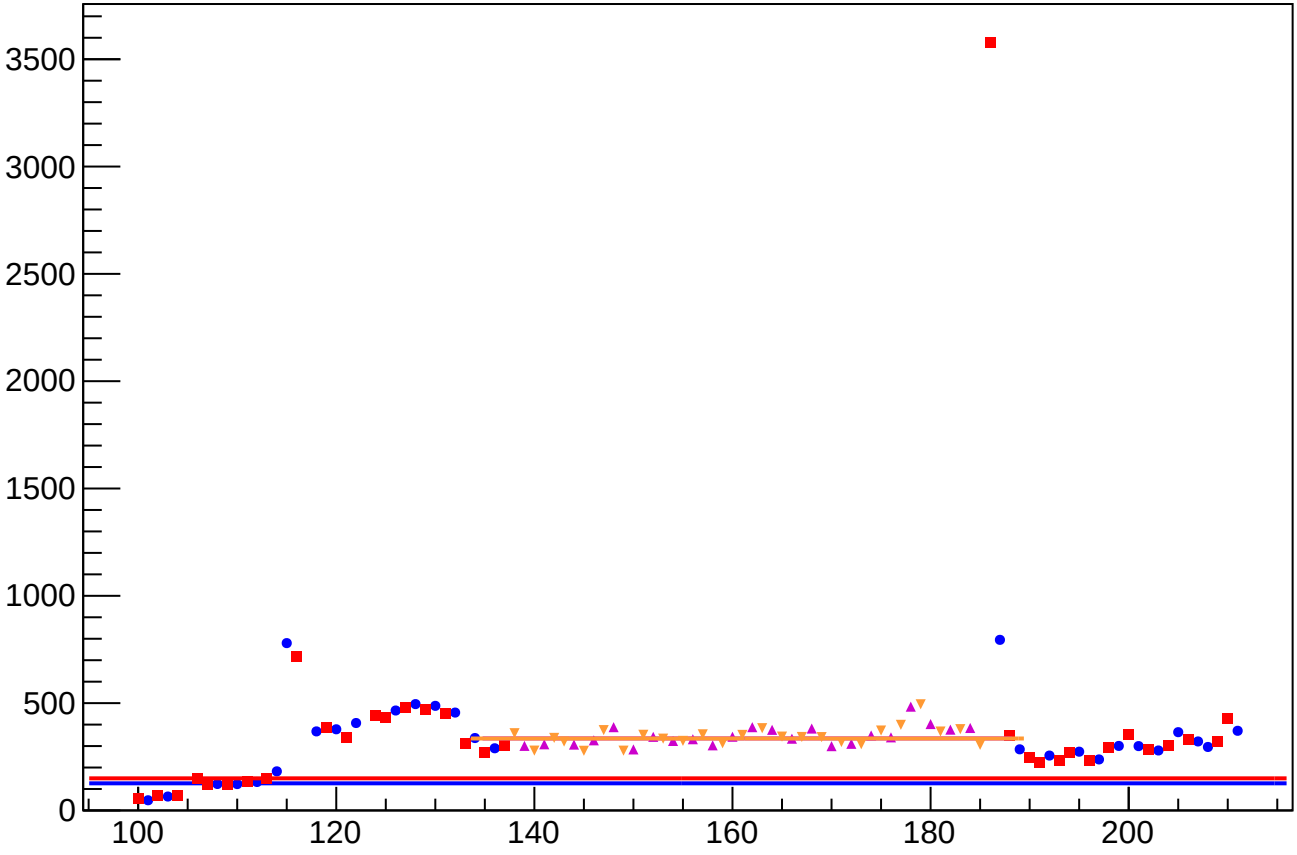
Left In: -36.414+/-79.210 χ^2/NDF:31.1/22

+ sign -26.963+/-36.813 χ^2/NDF: 56.0/52

All: -26.591+/-26.621 χ^2/NDF: 124.8/108

- sign -26.184+/-38.542 χ^2/NDF: 68.7/55

asym_sam_15_avg_eigen_cor_correction_rms vs Slug



Right In: 126.397+/-0.030 χ^2/NDF: 14123864.9/27

Left Out: 335.271+/-0.055 χ^2/NDF:563797.0/24

Right Out: 149.599+/-0.031 χ^2/NDF: 12525072.1/32

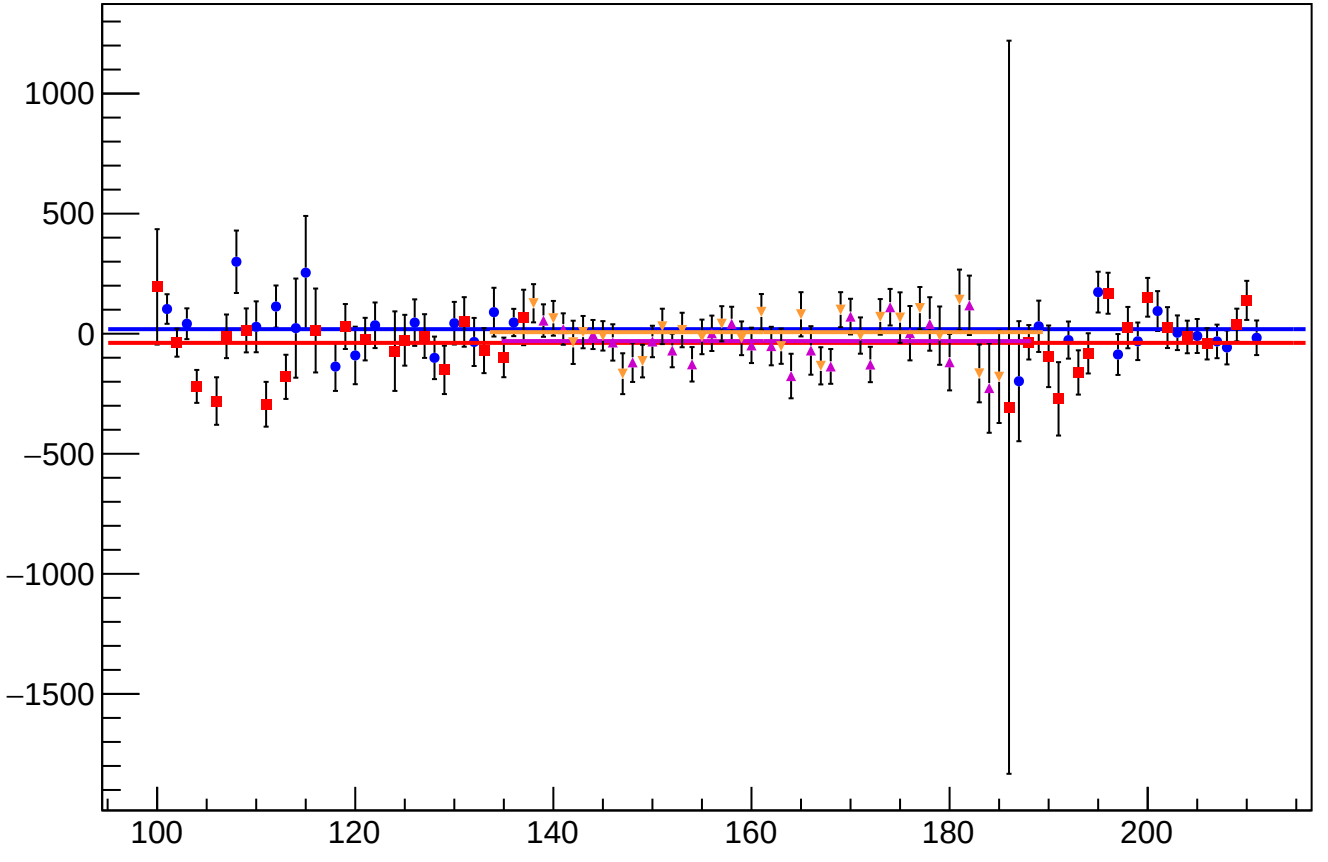
Left In: 335.526+/-0.056 χ^2/NDF:495170.0/22

+ sign 174.030+/-0.026 χ^2/NDF: 26022460.0/52

All: 183.376+/-0.019 χ^2/NDF: 47723244.2/10

- sign 193.620+/-0.027 χ^2/NDF: 21430600.5/55

dit_asym_sam_15_avg_mean vs Slug



Right In: 18.915+/-16.182 χ^2/NDF: 24.4/27

Left Out: 6.469+/-15.977 χ^2/NDF:25.1/24

Right Out: -38.203+/-15.635 χ^2/NDF: 51.6/32

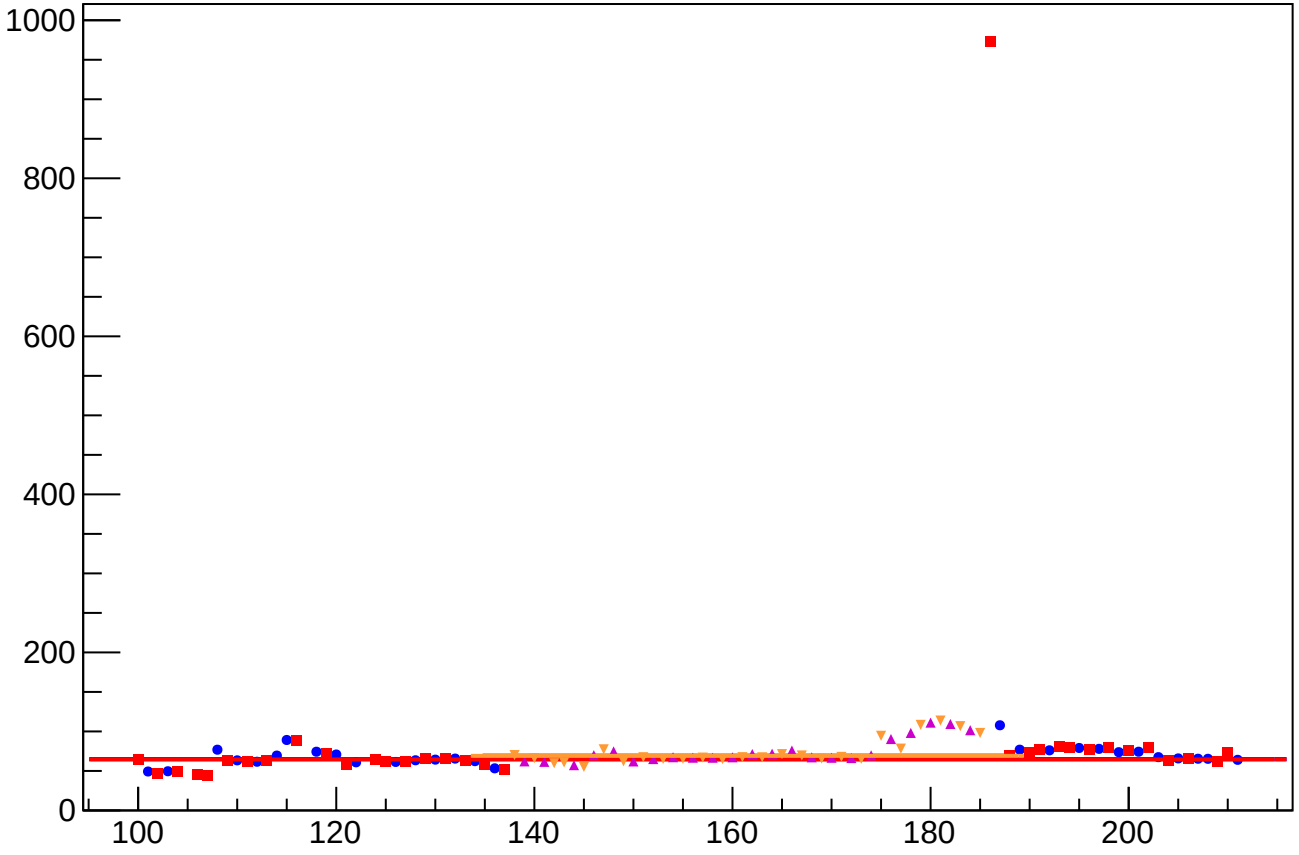
Left In: -30.662+/-16.503 χ^2/NDF:22.5/22

+ sign 12.613+/-11.369 χ^2/NDF: 49.7/52

All: -11.051+/-8.033 χ^2/NDF: 132.6/108

- sign -34.636+/-11.350 χ^2/NDF: 74.2/55

dit_asym_sam_15_avg_rms vs Slug



Right In: 64.978+/-0.011 χ^2/NDF: 681685.6/27

Left Out: 69.078+/-0.011 χ^2/NDF:1074001.6/24

Right Out: 64.527+/-0.011 χ^2/NDF: 1663548.3/32

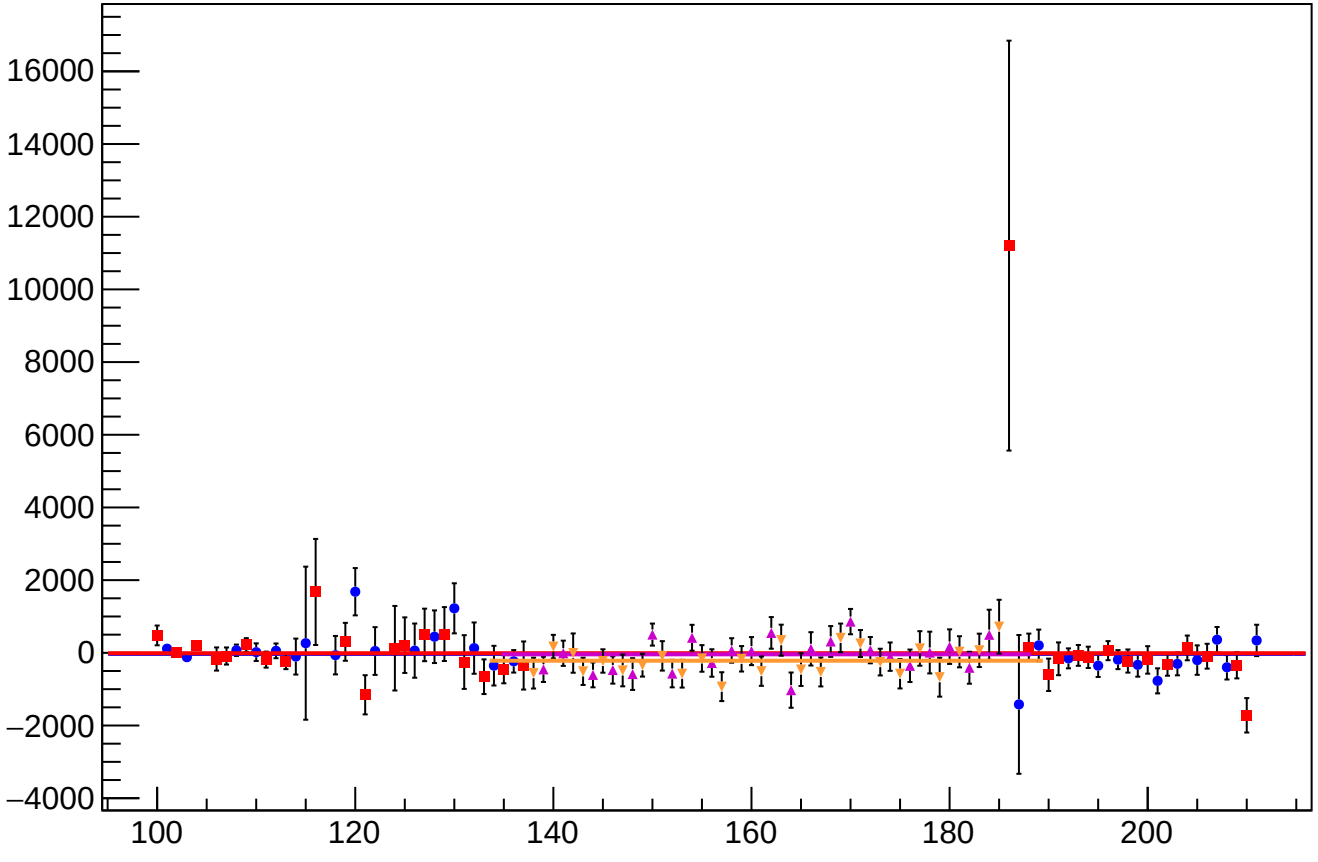
Left In: 69.436+/-0.012 χ^2/NDF:924607.6/22

+ sign 67.054+/-0.008 χ^2/NDF: 1820717.7/52

All: 66.952+/-0.006 χ^2/NDF: 4502461.1/108

- sign 66.849+/-0.008 χ^2/NDF: 2681417.6/55

asym_sam_15_avg_dit_correction_mean vs Slug



Right In: -29.140+/-47.226 χ^2/NDF: 27.6/27

Left Out: -217.349+/-80.133 χ^2/NDF:19.3/24

Right Out: -11.547+/-46.364 χ^2/NDF: 44.6/32

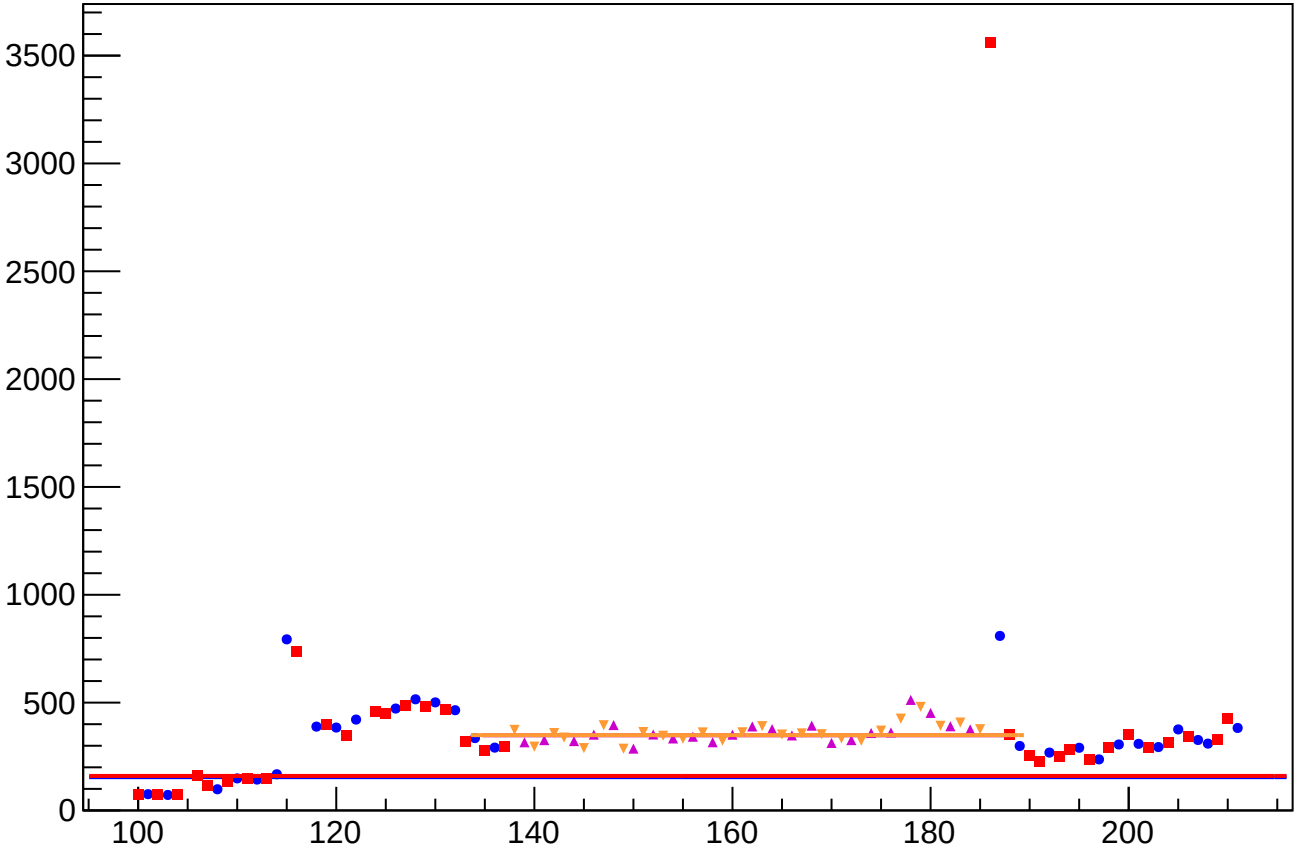
Left In: -41.512+/-82.256 χ^2/NDF:30.0/22

+ sign -77.658+/-40.686 χ^2/NDF: 51.0/52

All: -48.000+/-28.664 χ^2/NDF: 126.8/108

- sign -18.772+/-40.390 χ^2/NDF: 74.7/55

asym_sam_15_avg_dit_correction_rms vs Slug



Right In: 154.439+/-0.033 χ^2/NDF: 11489177.9/27

Left Out: 349.177+/-0.057 χ^2/NDF:524075.5/24

Right Out: 160.087+/-0.033 χ^2/NDF: 11856737.3/32

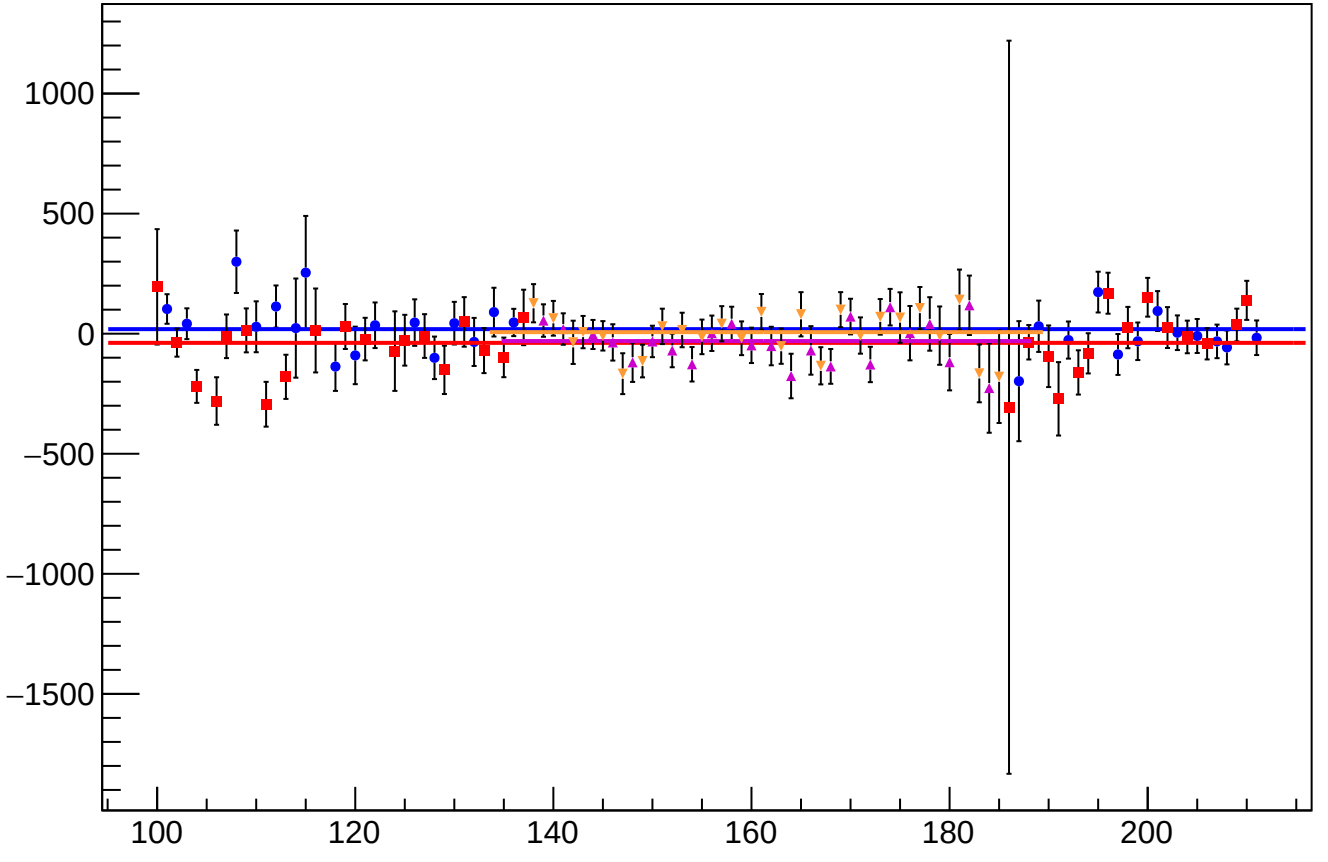
Left In: 348.560+/-0.058 χ^2/NDF:525743.6/22

+ sign 204.640+/-0.029 χ^2/NDF: 20779896.4/52

All: 205.088+/-0.020 χ^2/NDF: 41131234.5/10

- sign 205.529+/-0.029 χ^2/NDF: 20350856.9/55

eigen_dit_asym_sam_15_avg_mean vs Slug



Right In: 18.915+/-16.182 χ^2/NDF: 24.4/27

Left Out: 6.469+/-15.977 χ^2/NDF:25.1/24

Right Out: -38.203+/-15.635 χ^2/NDF: 51.6/32

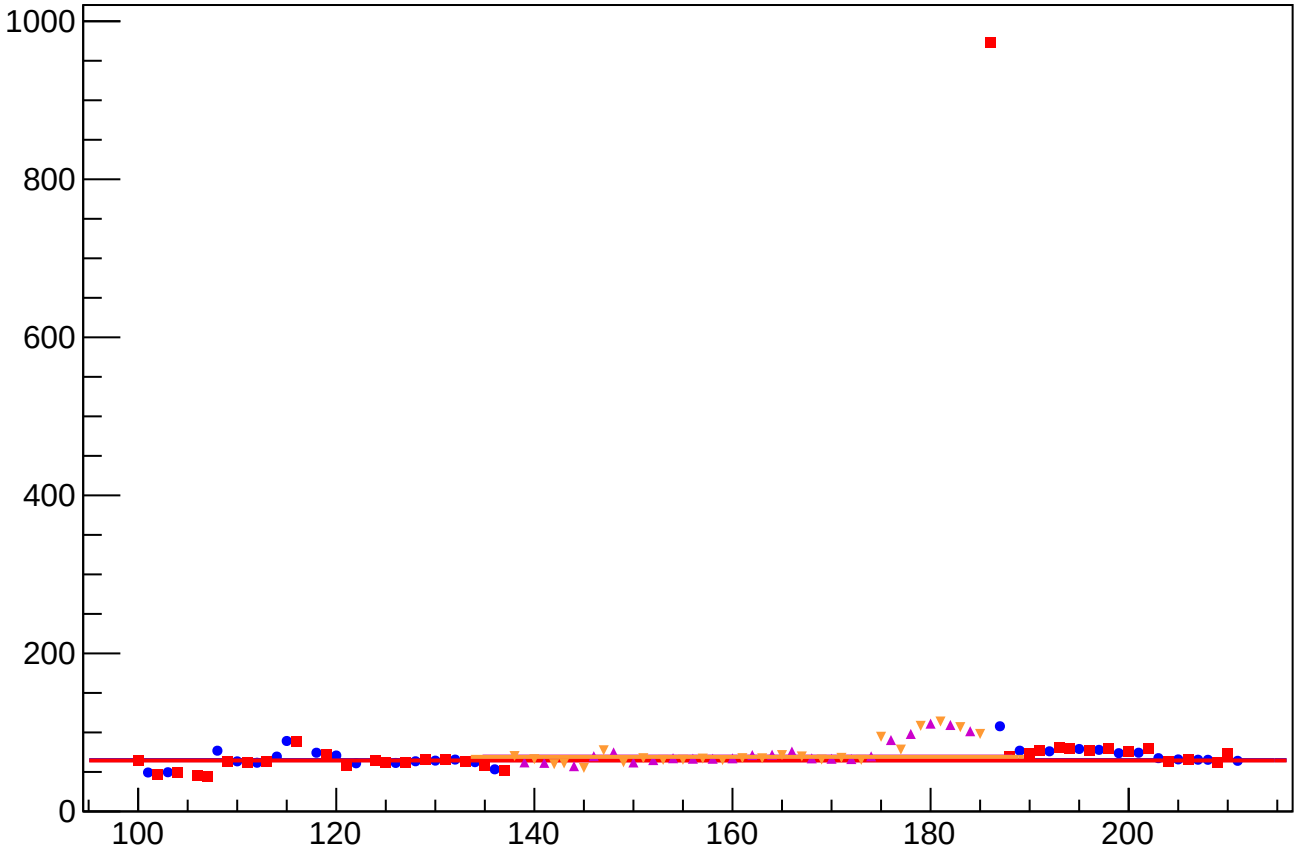
Left In: -30.662+/-16.503 χ^2/NDF:22.5/22

+ sign 12.613+/-11.369 χ^2/NDF: 49.7/52

All: -11.051+/-8.033 χ^2/NDF: 132.6/108

- sign -34.636+/-11.350 χ^2/NDF: 74.2/55

eigen_dit_asym_sam_15_avg_rms vs Slug



Right In: 64.978+/-0.011 χ^2/NDF: 681685.5/27

Left Out: 69.079+/-0.011 χ^2/NDF:1073983.7/24

Right Out: 64.527+/-0.011 χ^2/NDF: 1663547.2/32

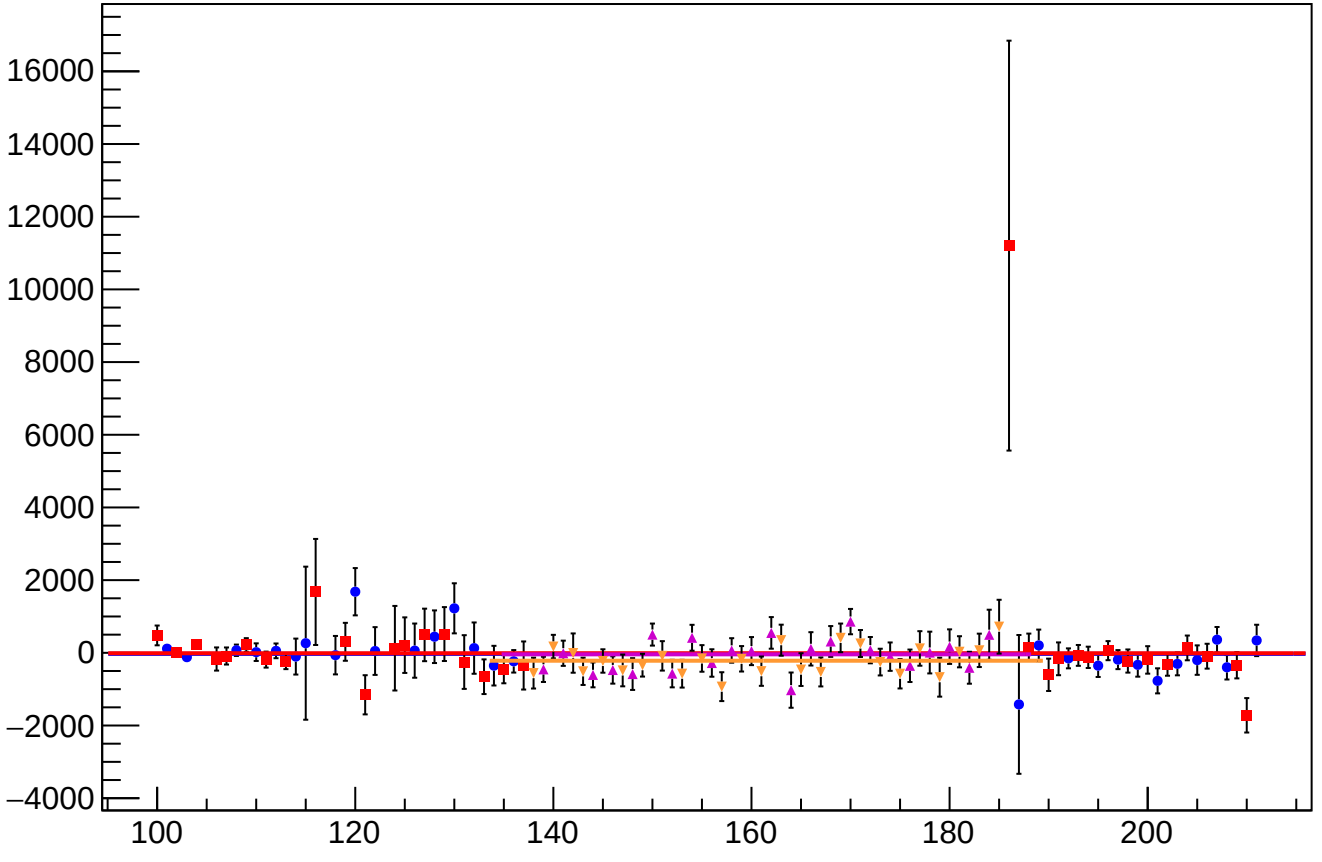
Left In: 69.436+/-0.012 χ^2/NDF:924591.6/22

+ sign 67.054+/-0.008 χ^2/NDF: 1820704.7/52

All: 66.952+/-0.006 χ^2/NDF: 4502440.0/108

- sign 66.849+/-0.008 χ^2/NDF: 2681409.6/55

asym_sam_15_avg_eigen_dit_correction_mean vs Slug



Right In: -29.140+/-47.226 χ^2/NDF: 27.6/27

Left Out: -217.348+/-80.133 χ^2/NDF:19.3/24

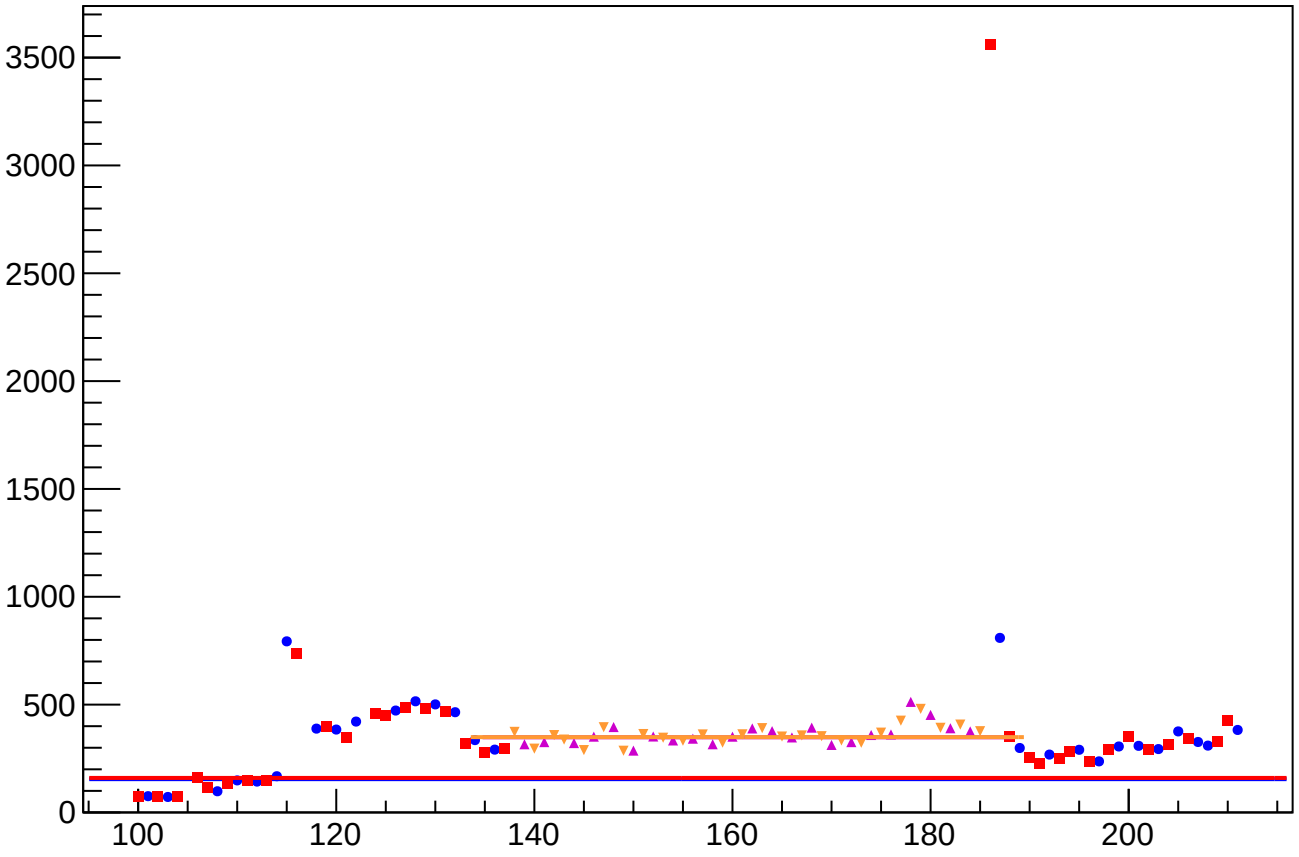
Right Out: -11.547+/-46.364 χ^2/NDF: 44.6/32

Left In: -41.512+/-82.256 χ^2/NDF:30.0/22

+ sign -77.657+/-40.686 χ^2/NDF: 51.0/52

All: -47.999+/-28.664 χ^2/NDF: 126.8/108

- sign -18.771+/-40.390 χ^2/NDF: 74.7/55



Right In: 154.439+/-0.033 χ^2/NDF: 11489192.8/27

Left Out: 349.177+/-0.057 χ^2/NDF:524067.1/24

Right Out: 160.087+/-0.033 χ^2/NDF: 11856782.3/32

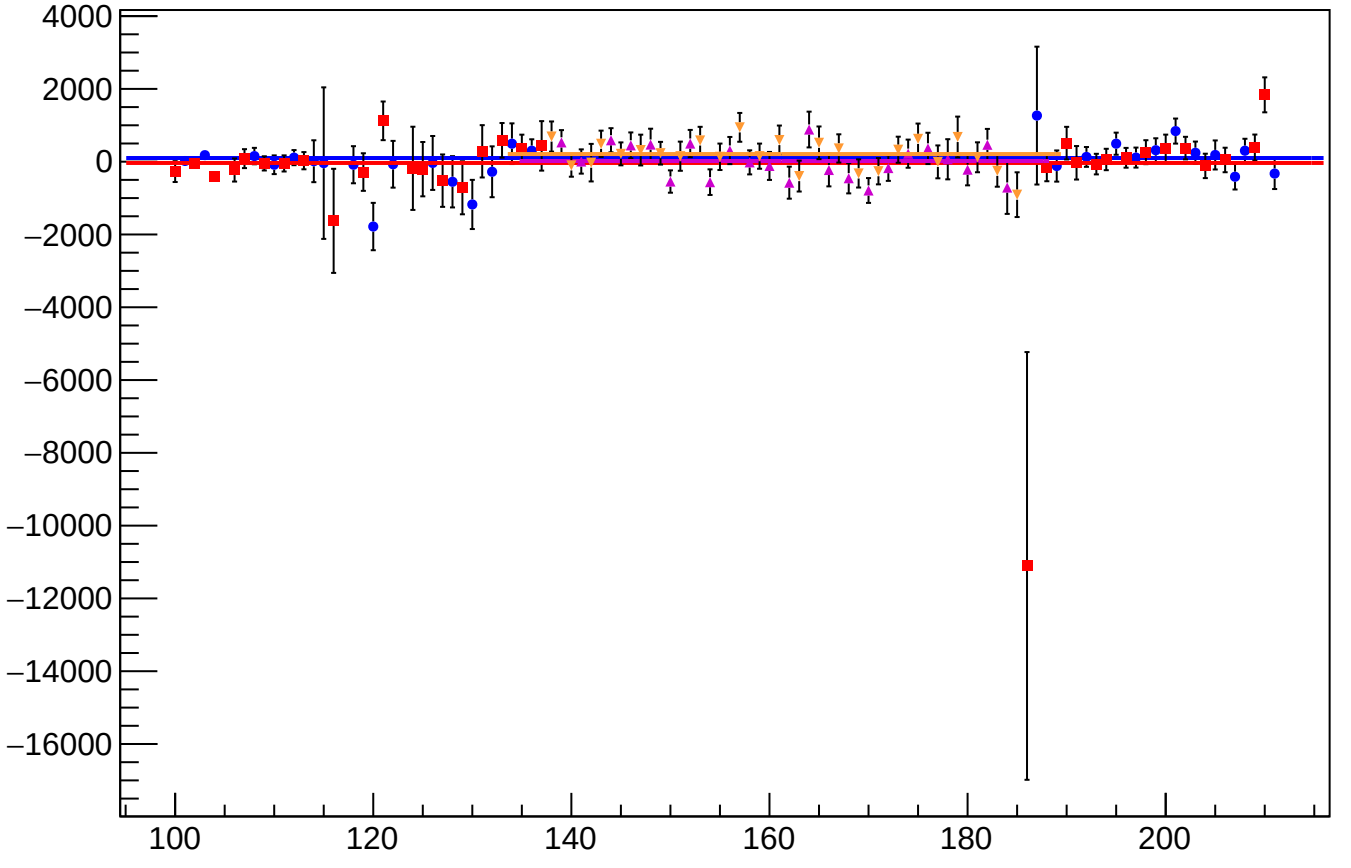
Left In: 348.560+/-0.058 χ^2/NDF:525736.6/22

+ sign 204.640+/-0.029 χ^2/NDF: 20779967.0/52

All: 205.087+/-0.020 χ^2/NDF: 41131419.1/10

- sign 205.529+/-0.029 χ^2/NDF: 20350971.0/55

asym_sam_15_avg_mean vs Slug



Right In: 101.021+/-50.866 χ^2/NDF: 27.3/27

Left Out: 209.819+/-78.511 χ^2/NDF:21.4/24

Right Out: -34.895+/-49.474 χ^2/NDF: 49.1/32

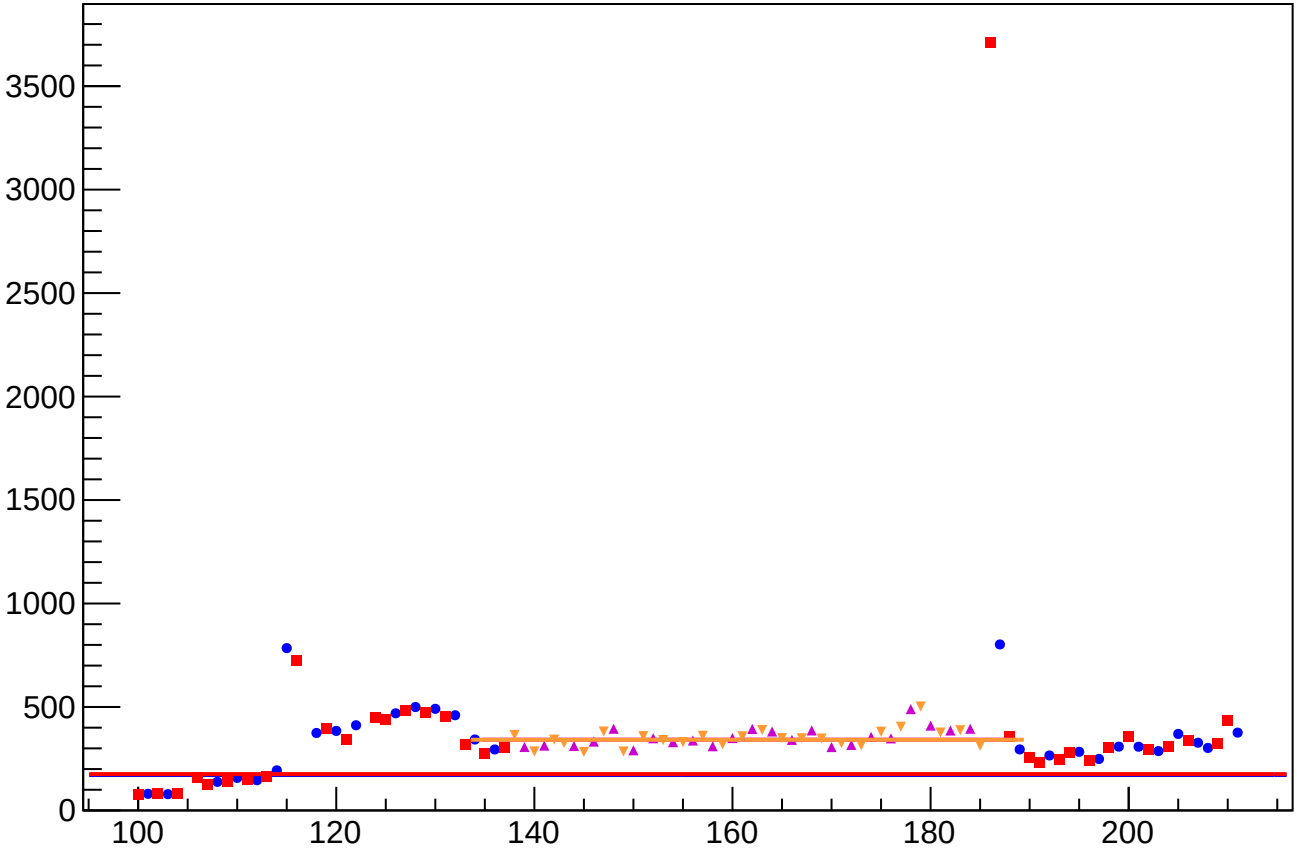
Left In: 18.738+/-80.699 χ^2/NDF:32.0/22

+ sign 133.188+/-42.690 χ^2/NDF: 50.1/52

All: 55.548+/-30.004 χ^2/NDF: 138.0/108

- sign -20.244+/-42.178 χ^2/NDF: 81.4/55

asym_sam_15_avg_rms vs Slug



Right In: 171.263+/-0.036 χ^2/NDF: 10066182.9/27

Left Out: 341.585+/-0.056 χ^2/NDF:554287.8/24

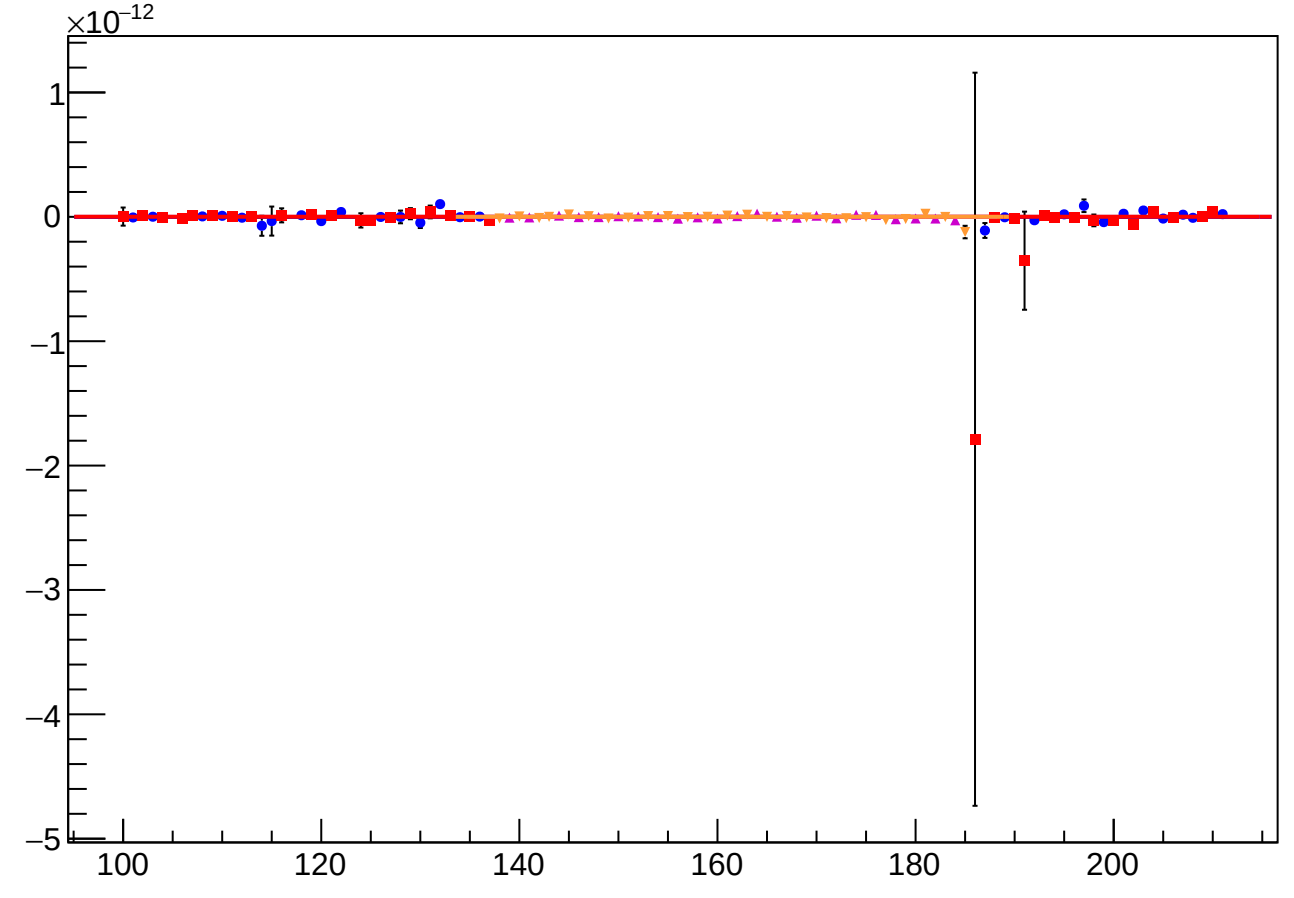
Right Out: 175.619+/-0.035 χ^2/NDF: 10420918.8/32

Left In: 341.943+/-0.057 χ^2/NDF:485509.1/22

+ sign 221.619+/-0.030 χ^2/NDF: 17250123.2/52

All: 221.333+/-0.021 χ^2/NDF: 34331624.0/10

- sign 221.054+/-0.030 χ^2/NDF: 17081323.8/55



Right In: -0.000+/-0.000 χ^2/NDF: 37.6/27

Left Out: 0.000+/-0.000 χ^2/NDF:28.6/24

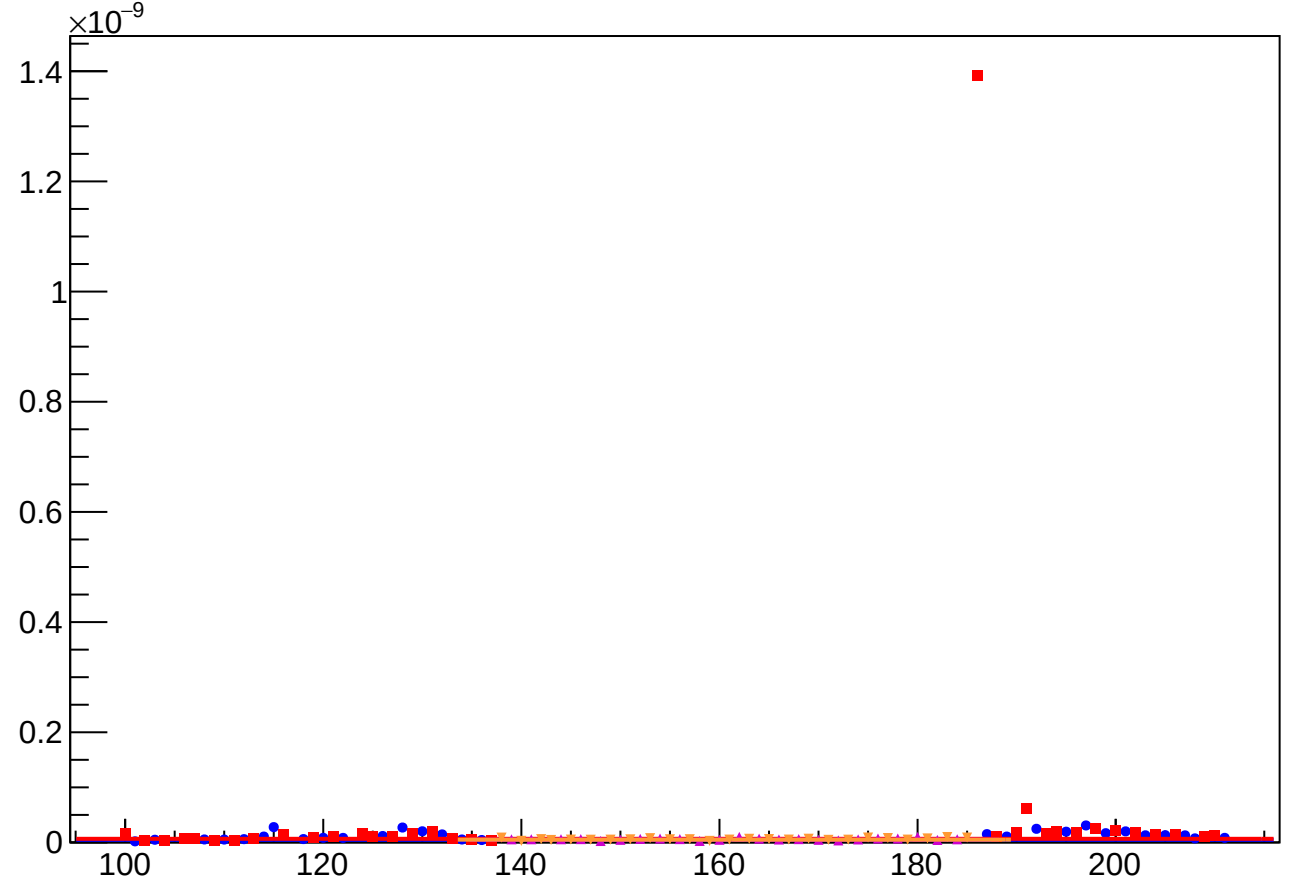
Right Out: 0.000+/-0.000 χ^2/NDF: 24.6/32

Left In: -0.000+/-0.000 χ^2/NDF:20.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 66.3/52

All: -0.000+/-0.000 χ^2/NDF: 111.7/108

- sign -0.000+/-0.000 χ^2/NDF: 45.4/55



Right In: 0.000+/-0.000 χ^2/NDF: 6202142.9/27

Left Out: 0.000+/-0.000 χ^2/NDF:1294137.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5225046.0/32

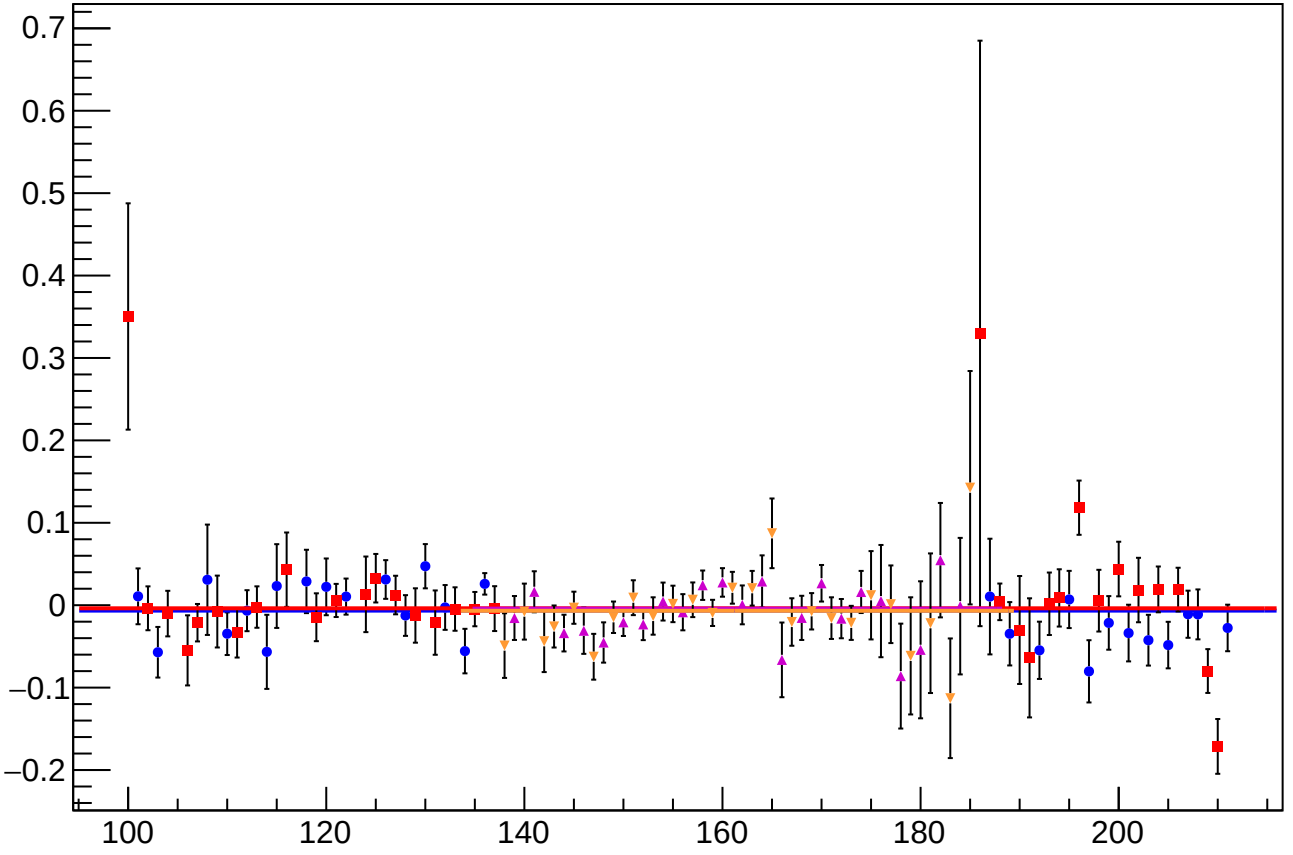
Left In: 0.000+/-0.000 χ^2/NDF:1225248.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 7508750.9/52

All: 0.000+/-0.000 χ^2/NDF: 14503235.6/108

- sign 0.000+/-0.000 χ^2/NDF: 6858048.4/55

asym_sam_15_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.007+/-0.005 χ^2/NDF: 35.8/27

Left Out: -0.007+/-0.005 χ^2/NDF:21.8/24

Right Out: -0.004+/-0.005 χ^2/NDF: 66.9/32

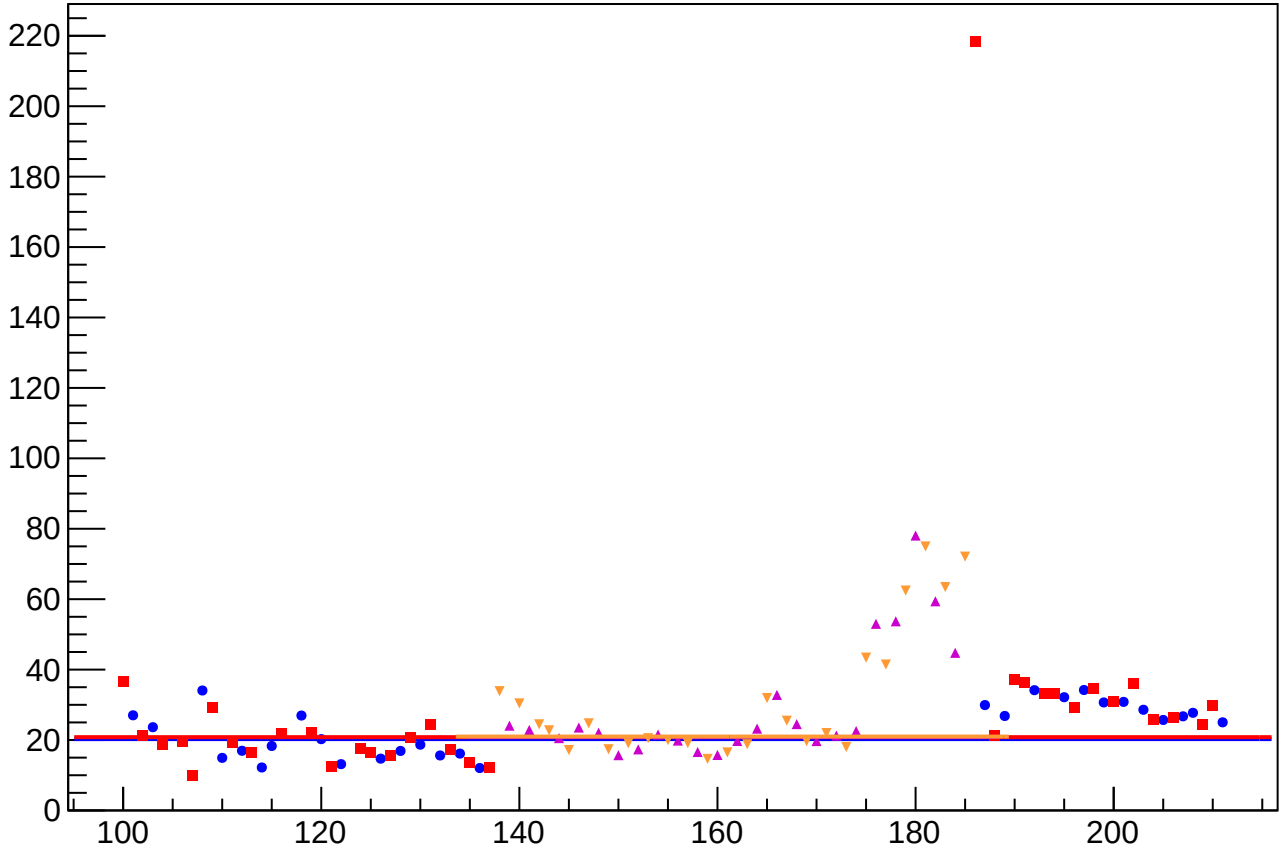
Left In: -0.004+/-0.005 χ^2/NDF:23.2/22

+ sign -0.007+/-0.004 χ^2/NDF: 57.6/52

All: -0.005+/-0.003 χ^2/NDF: 147.9/108

- sign -0.004+/-0.004 χ^2/NDF: 90.1/55

asym_sam_15_avg_dit_vs_cor_diff_rms vs Slug



Right In: 20.266+/-0.004 χ^2/NDF: 3523339.5/27

Left Out: 20.981+/-0.004 χ^2/NDF:4467011.5/24

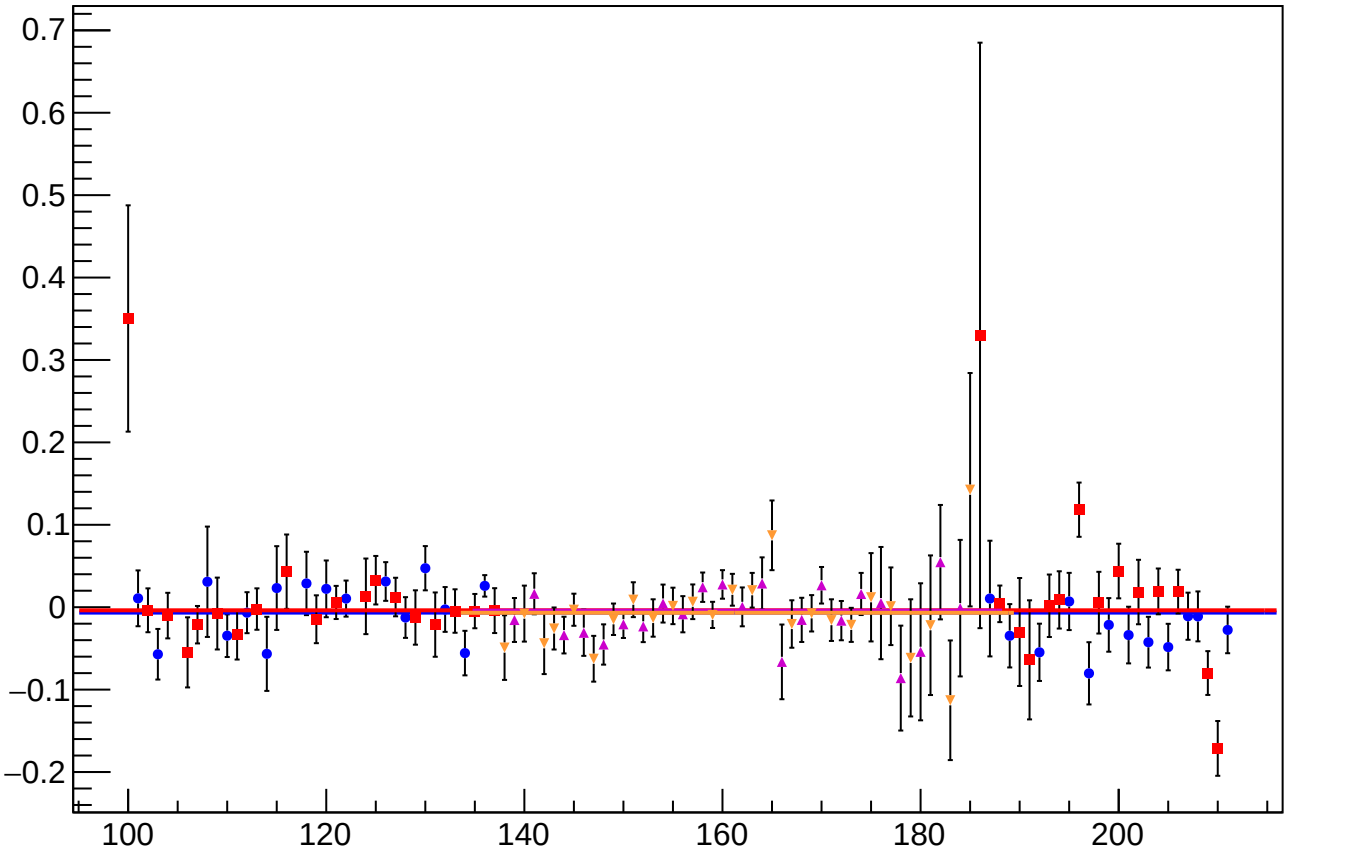
Right Out: 20.814+/-0.004 χ^2/NDF: 4141531.4/32

Left In: 20.868+/-0.004 χ^2/NDF:3534877.7/22

+ sign 20.638+/-0.003 χ^2/NDF: 8008463.8/52

All: 20.739+/-0.002 χ^2/NDF: 15687909.9/108

- sign 20.841+/-0.003 χ^2/NDF: 7676509.2/55



Right In: -0.007+/-0.005 χ^2/NDF: 35.8/27

Left Out: -0.007+/-0.005 χ^2/NDF:21.8/24

Right Out: -0.004+/-0.005 χ^2/NDF: 66.9/32

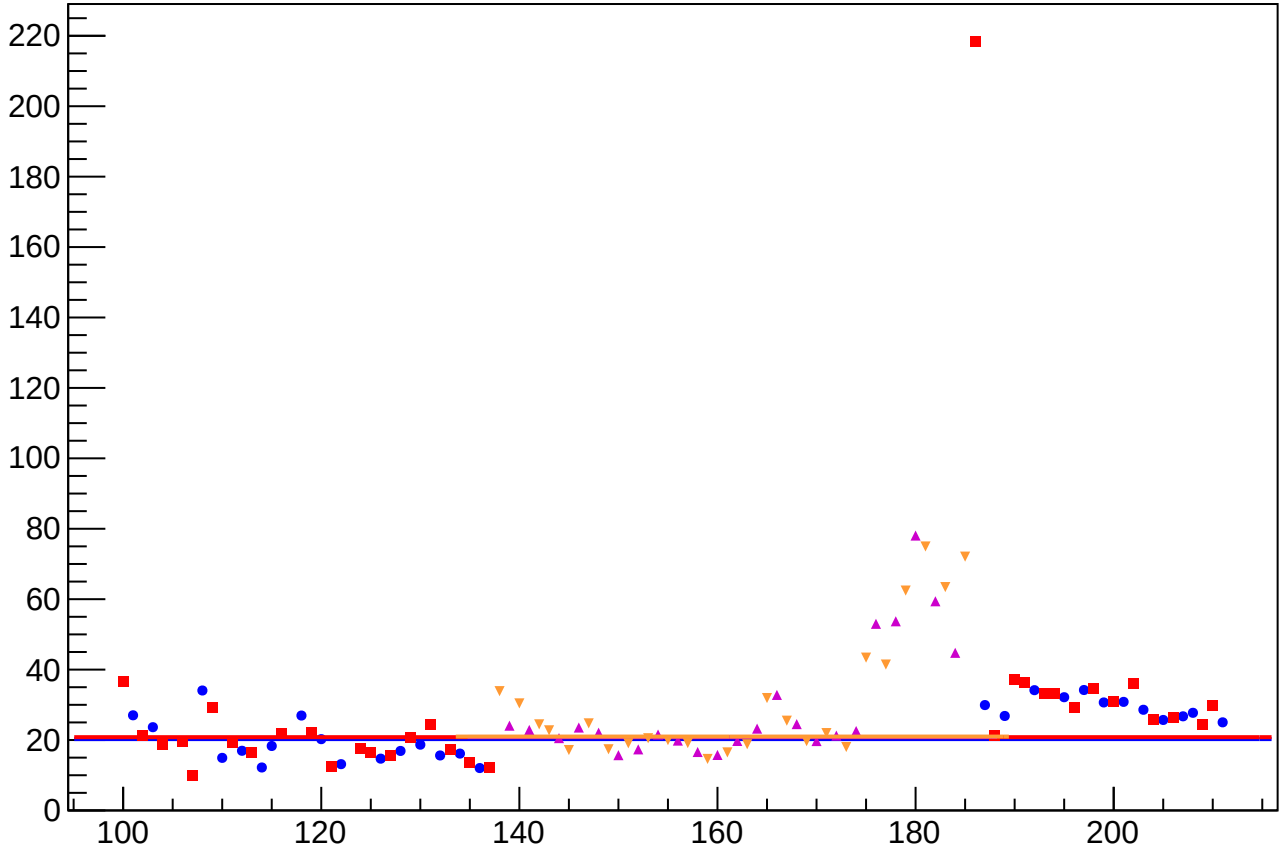
Left In: -0.004+/-0.005 χ^2/NDF:23.2/22

+ sign -0.007+/-0.004 χ^2/NDF: 57.6/52

All: -0.005+/-0.003 χ^2/NDF: 147.9/108

- sign -0.004+/-0.004 χ^2/NDF: 90.1/55

asym_sam_15_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 20.266+/-0.004 χ^2/NDF: 3523339.5/27

Left Out: 20.981+/-0.004 χ^2/NDF:4467011.5/24

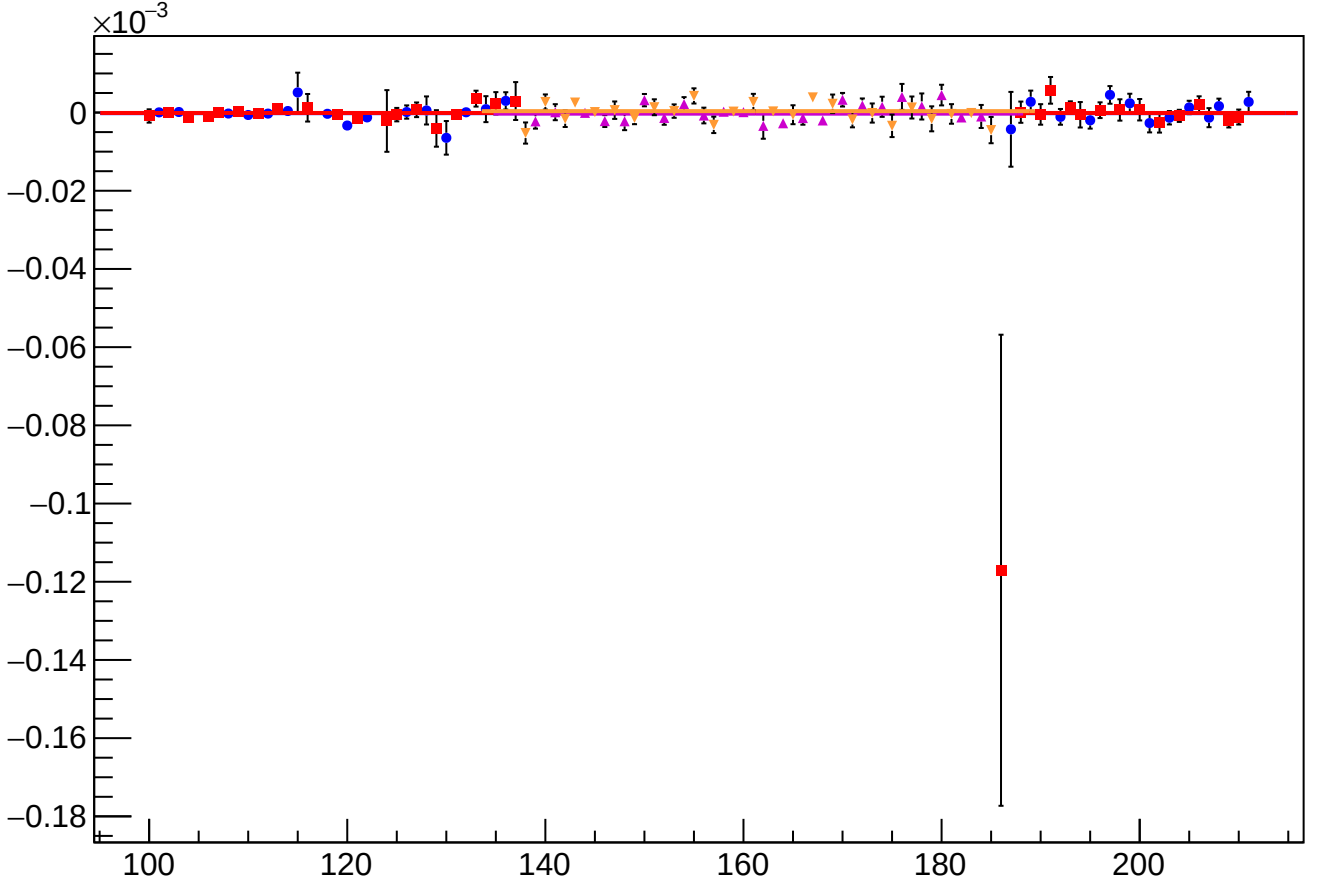
Right Out: 20.814+/-0.004 χ^2/NDF: 4141531.4/32

Left In: 20.868+/-0.004 χ^2/NDF:3534877.7/22

+ sign 20.638+/-0.003 χ^2/NDF: 8008463.8/52

All: 20.739+/-0.002 χ^2/NDF: 15687909.9/108

- sign 20.841+/-0.003 χ^2/NDF: 7676509.2/55



Right In: -0.000+/-0.000 χ^2/NDF: 26.7/27

Left Out: 0.000+/-0.000 χ^2/NDF:34.2/24

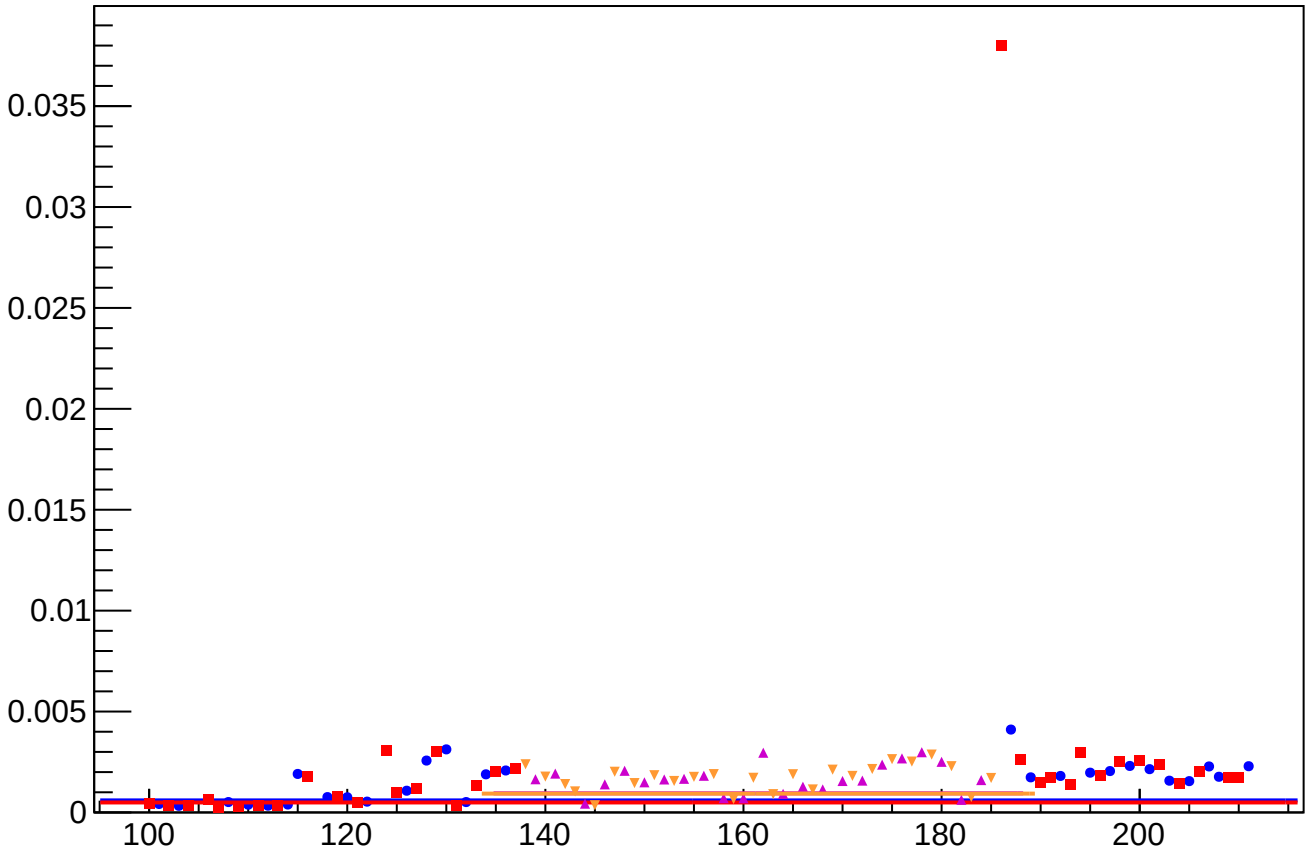
Right Out: -0.000+/-0.000 χ^2/NDF: 31.5/32

Left In: -0.000+/-0.000 χ^2/NDF:31.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 63.4/52

All: -0.000+/-0.000 χ^2/NDF: 127.6/108

- sign -0.000+/-0.000 χ^2/NDF: 63.4/55



Right In: 0.001+/-0.000 χ^2/NDF: 13475904.4/27

Left Out: 0.001+/-0.000 χ^2/NDF:11996378.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 16938575.9/32

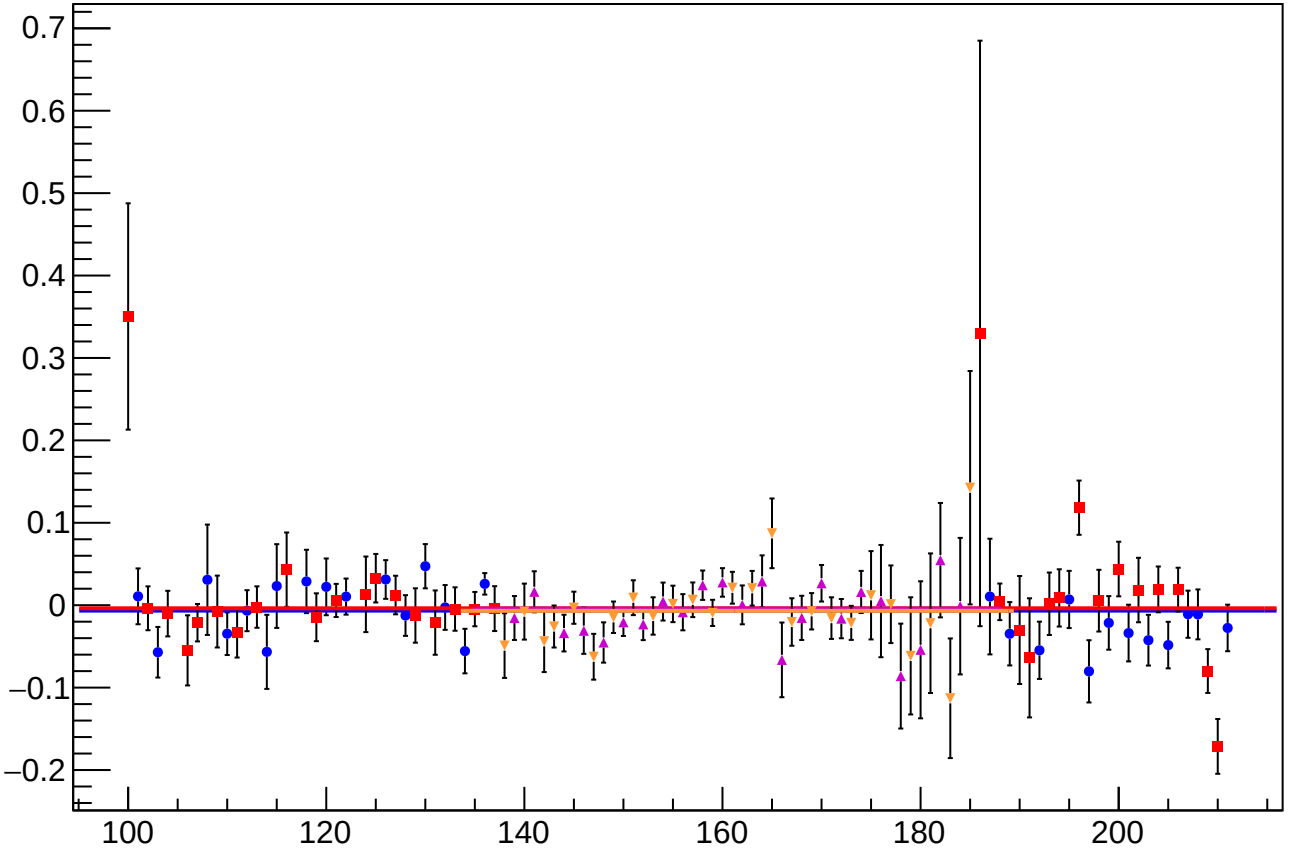
Left In: 0.001+/-0.000 χ^2/NDF:9470540.4/22

+ sign 0.001+/-0.000 χ^2/NDF: 27568083.9/52

All: 0.001+/-0.000 χ^2/NDF: 58624523.2/108

- sign 0.001+/-0.000 χ^2/NDF: 30646425.7/55

asym_sam_15_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.007+/-0.005 χ^2/NDF: 35.8/27

Left Out: -0.007+/-0.005 χ^2/NDF:21.8/24

Right Out: -0.004+/-0.005 χ^2/NDF: 66.9/32

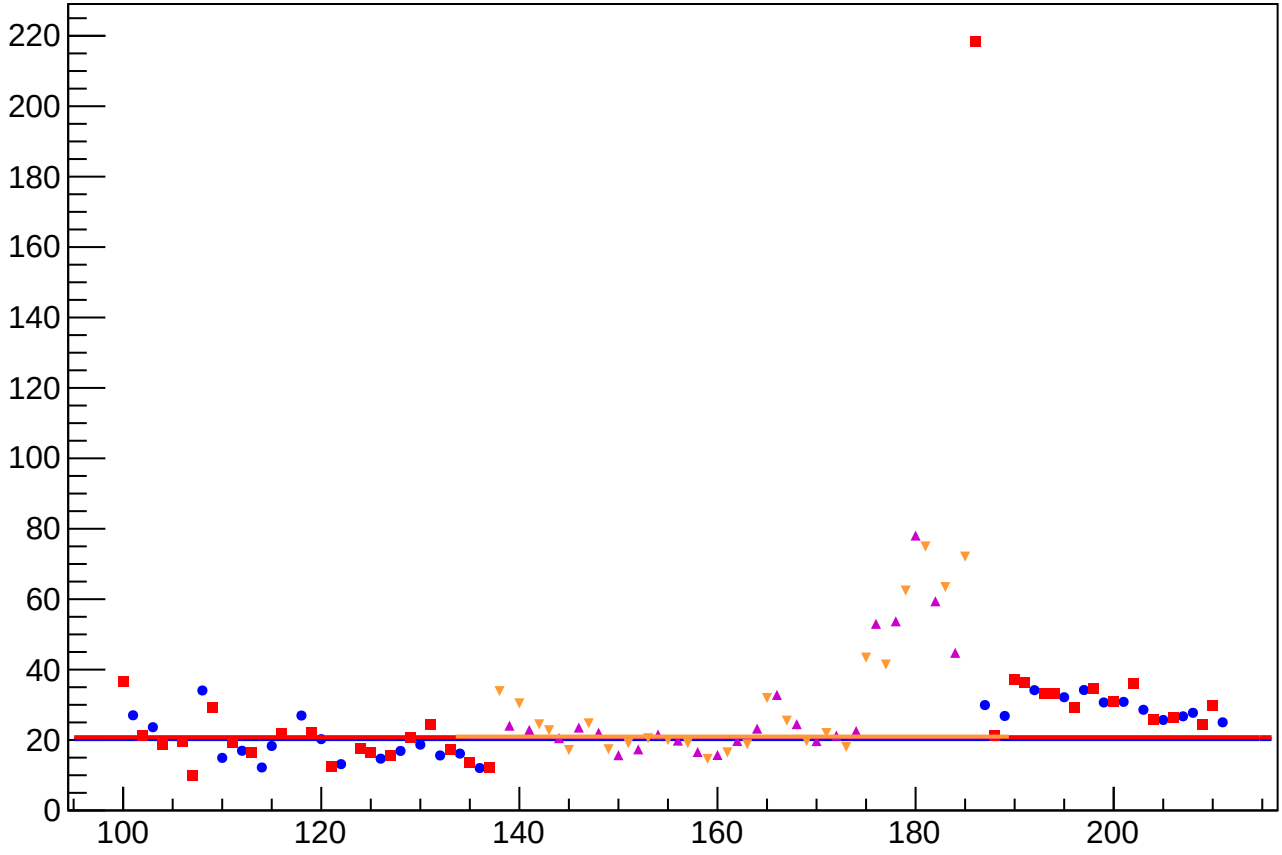
Left In: -0.004+/-0.005 χ^2/NDF:23.2/22

+ sign -0.007+/-0.004 χ^2/NDF: 57.6/52

All: -0.005+/-0.003 χ^2/NDF: 147.9/108

- sign -0.004+/-0.004 χ^2/NDF: 90.1/55

asym_sam_15_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 20.266+/-0.004 χ^2/NDF: 3523357.9/27

Left Out: 20.981+/-0.004 χ^2/NDF:4466984.6/24

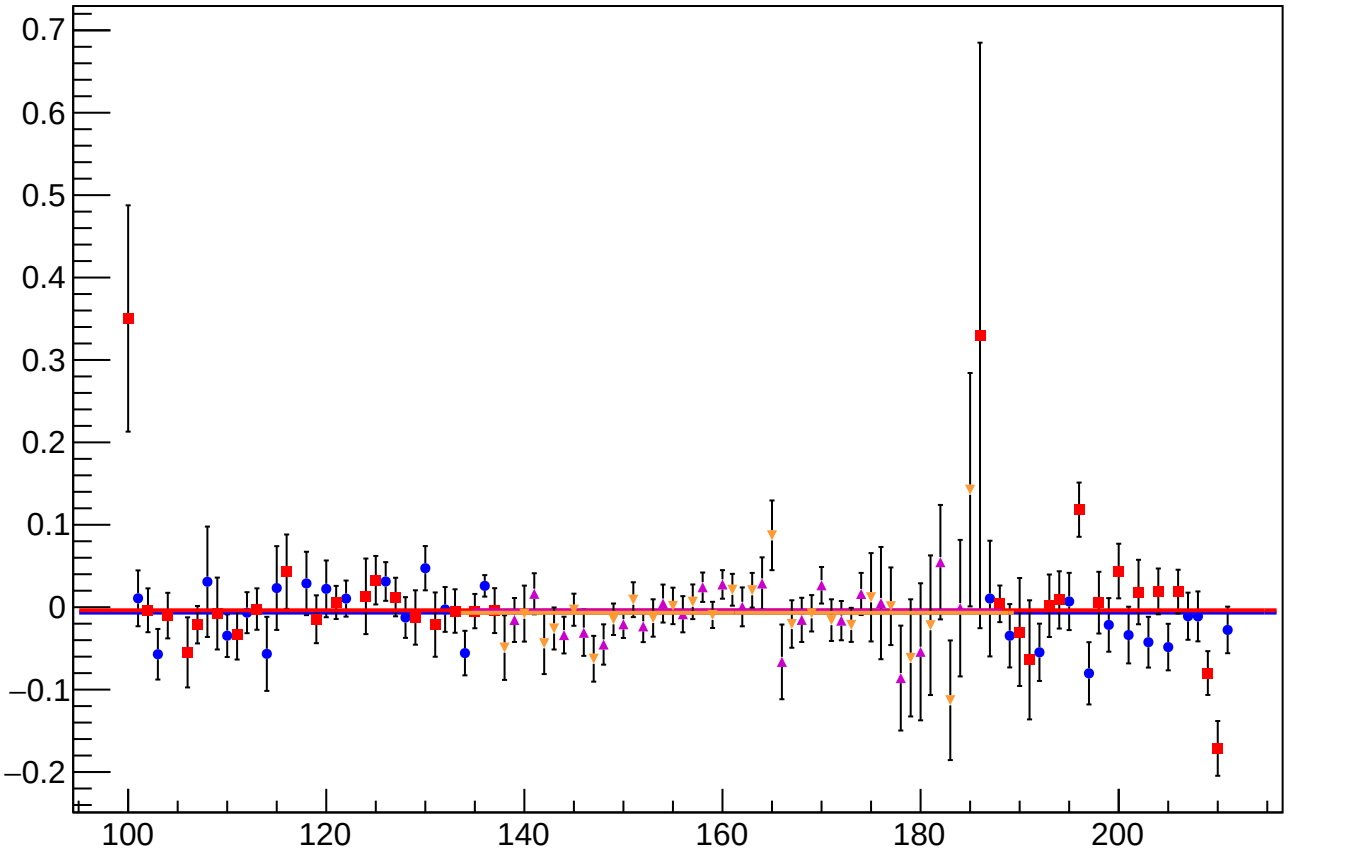
Right Out: 20.814+/-0.004 χ^2/NDF: 4141547.1/32

Left In: 20.868+/-0.004 χ^2/NDF:3534923.5/22

+ sign 20.638+/-0.003 χ^2/NDF: 8008472.0/52

All: 20.739+/-0.002 χ^2/NDF: 15687978.9/108

- sign 20.841+/-0.003 χ^2/NDF: 7676572.1/55



Right In: -0.007+/-0.005 χ^2/NDF: 35.8/27

Left Out: -0.007+/-0.005 χ^2/NDF:21.8/24

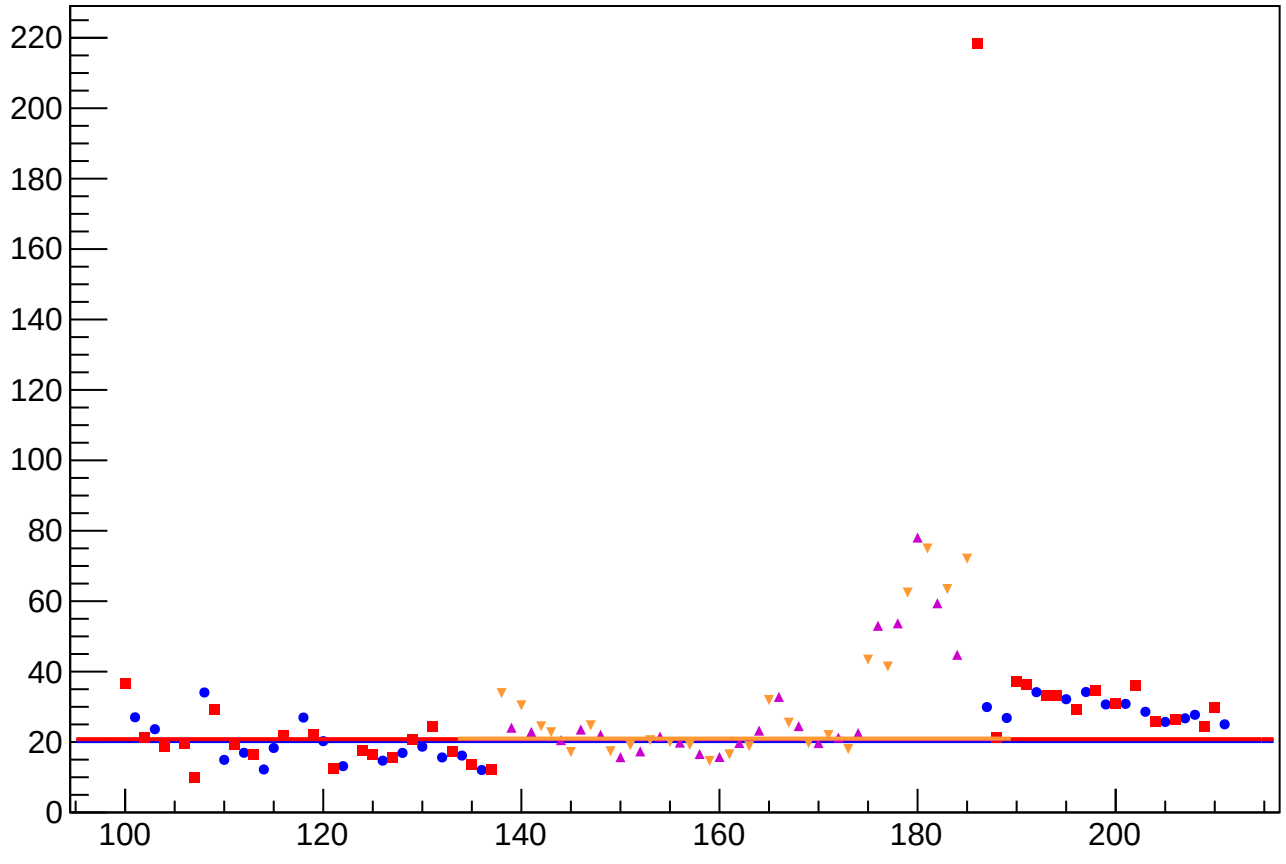
Right Out: -0.004+/-0.005 χ^2/NDF: 66.9/32

Left In: -0.004+/-0.005 χ^2/NDF:23.2/22

+ sign -0.007+/-0.004 χ^2/NDF: 57.6/52

All: -0.005+/-0.003 χ^2/NDF: 147.9/108

- sign -0.004+/-0.004 χ^2/NDF: 90.1/55



Right In: 20.266+/-0.004 χ^2/NDF: 3523357.9/27

Left Out: 20.981+/-0.004 χ^2/NDF:4466984.6/24

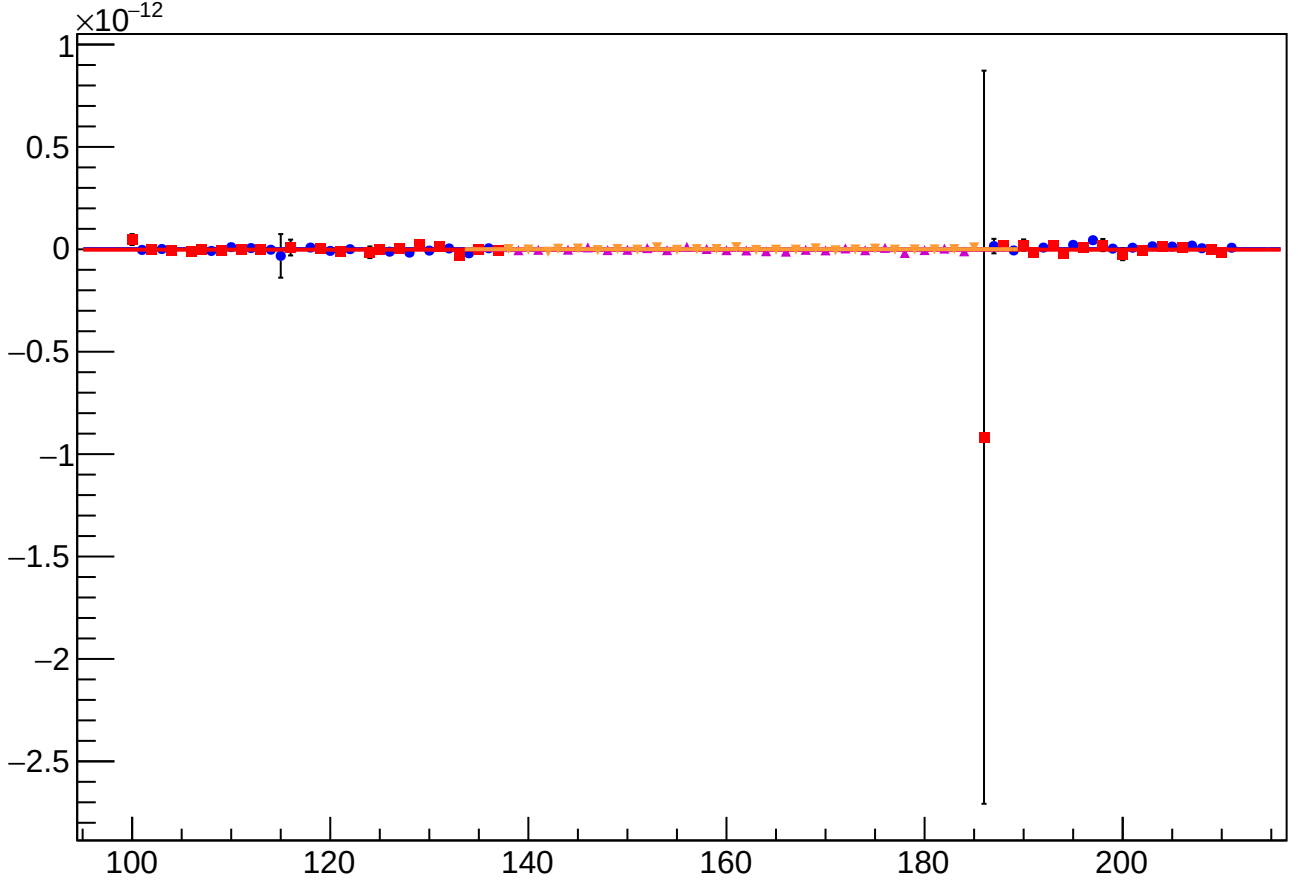
Right Out: 20.814+/-0.004 χ^2/NDF: 4141547.1/32

Left In: 20.868+/-0.004 χ^2/NDF:3534923.5/22

+ sign 20.638+/-0.003 χ^2/NDF: 8008472.0/52

All: 20.739+/-0.002 χ^2/NDF: 15687978.9/108

- sign 20.841+/-0.003 χ^2/NDF: 7676572.1/55



Right In: 0.000+/-0.000 χ^2/NDF: 25.6/27

Left Out: 0.000+/-0.000 χ^2/NDF:14.6/24

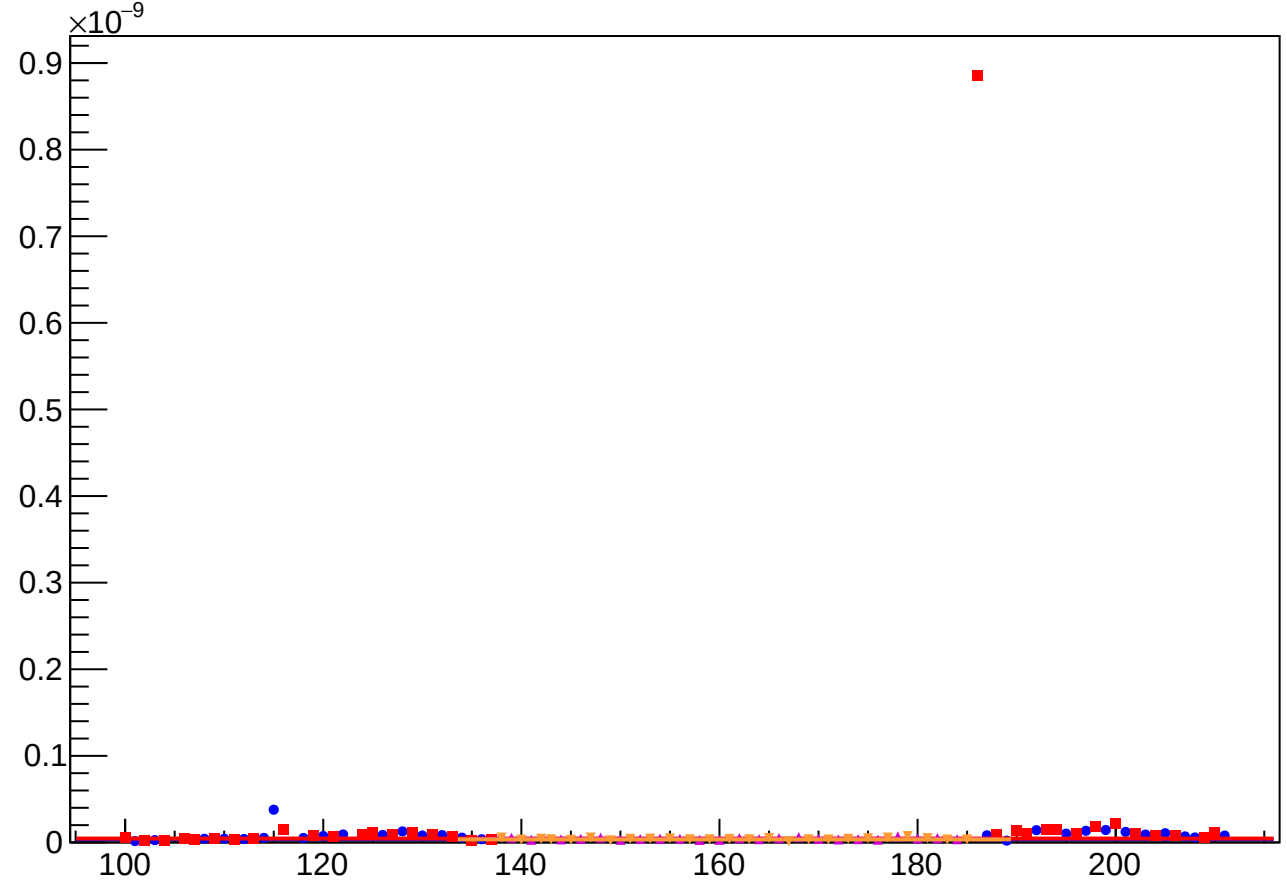
Right Out: -0.000+/-0.000 χ^2/NDF: 26.8/32

Left In: -0.000+/-0.000 χ^2/NDF:26.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 40.3/52

All: -0.000+/-0.000 χ^2/NDF: 95.6/108

- sign -0.000+/-0.000 χ^2/NDF: 53.5/55



Right In: 0.000+/-0.000 χ^2/NDF: 7366248.9/27

Left Out: 0.000+/-0.000 χ^2/NDF:2527443.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7982426.8/32

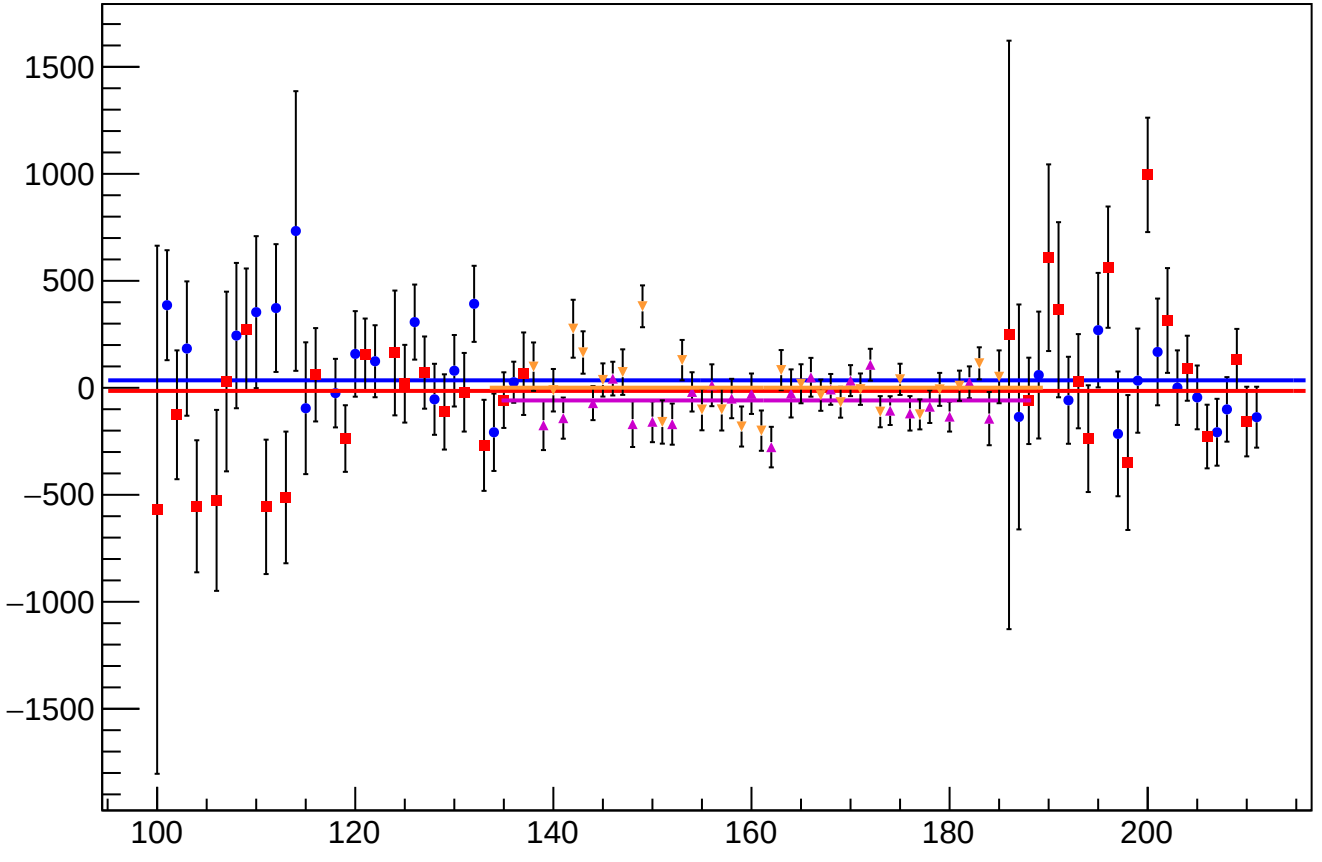
Left In: 0.000+/-0.000 χ^2/NDF:1198286.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 9928970.2/52

All: 0.000+/-0.000 χ^2/NDF: 19578187.1/108

- sign 0.000+/-0.000 χ^2/NDF: 9357916.2/55

reg_asym_sam_26_avg_mean vs Slug



Right In: 35.029+/-36.494 χ^2/NDF: 22.4/27

Left Out: 0.598+/-17.319 χ^2/NDF:48.6/24

Right Out: -14.428+/-37.468 χ^2/NDF: 46.9/32

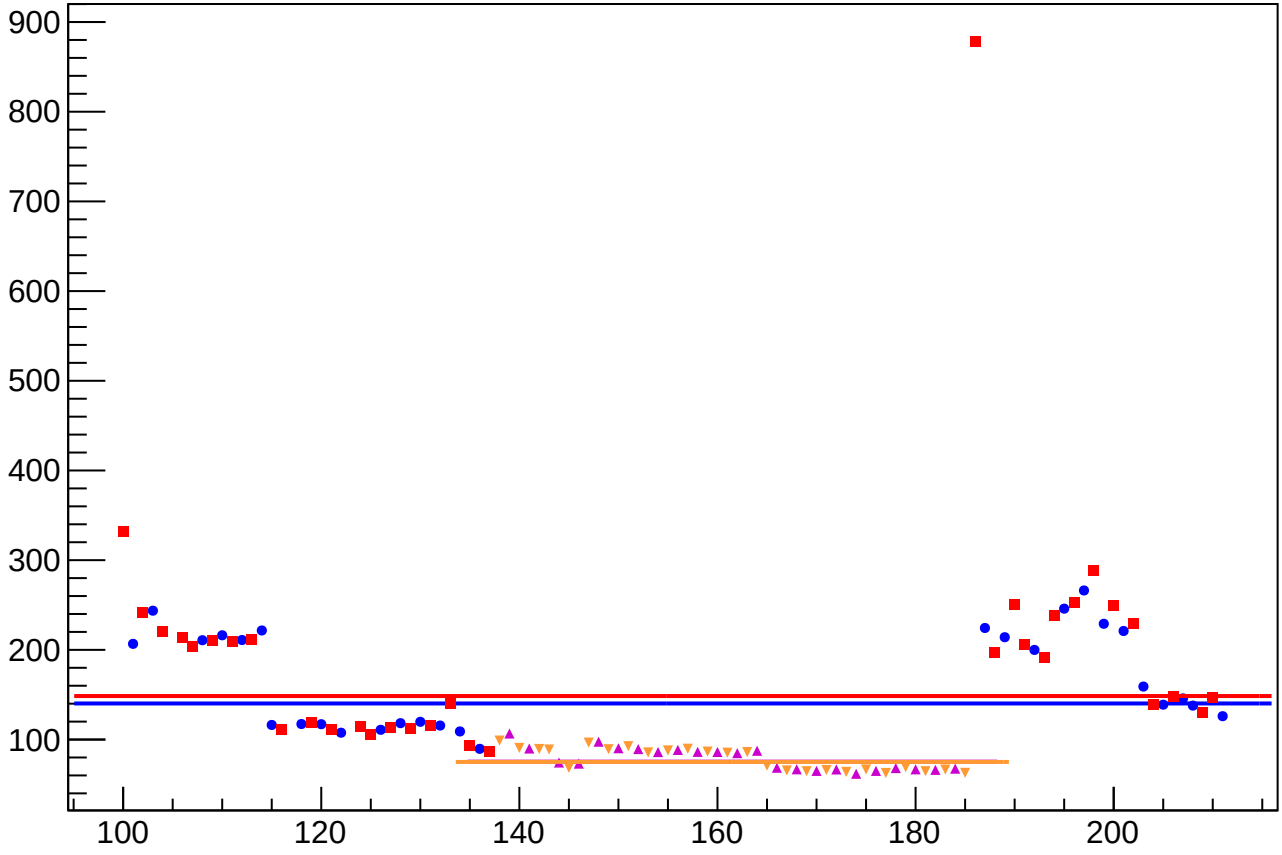
Left In: -58.907+/-17.879 χ^2/NDF:25.8/22

+ sign 6.927+/-15.647 χ^2/NDF: 71.7/52

All: -20.979+/-11.233 χ^2/NDF: 152.2/108

- sign -50.657+/-16.136 χ^2/NDF: 73.8/55

reg_asym_sam_26_avg_rms vs Slug



Right In: 140.234+/-0.026 χ^2/NDF: 3158532.7/27

Left Out: 75.041+/-0.012 χ^2/NDF:928107.8/24

Right Out: 148.516+/-0.026 χ^2/NDF: 4224511.4/32

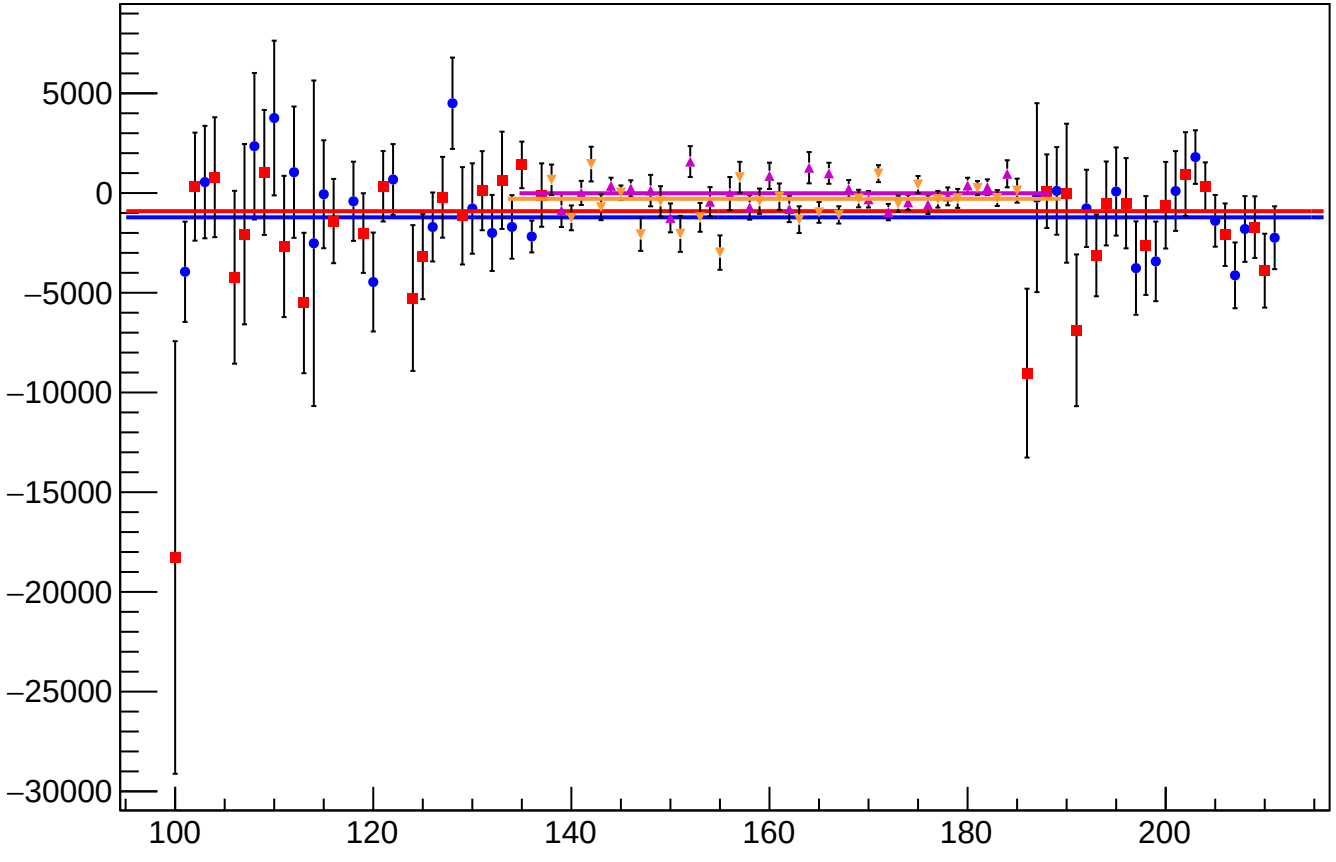
Left In: 75.352+/-0.013 χ^2/NDF:837634.2/22

+ sign 87.025+/-0.011 χ^2/NDF: 9295796.5/52

All: 87.944+/-0.008 χ^2/NDF: 20583818.5/108

- sign 88.922+/-0.011 χ^2/NDF: 11273783.4/55

asym_sam_26_avg_reg_correction_mean vs Slug



Right In: -1217.967+/-352.406 χ^2/NDF: 28.3/27

Left Out: -288.079+/-105.231 χ^2/NDF:53.3/24

Right Out: -909.624+/-372.257 χ^2/NDF: 27.9/32

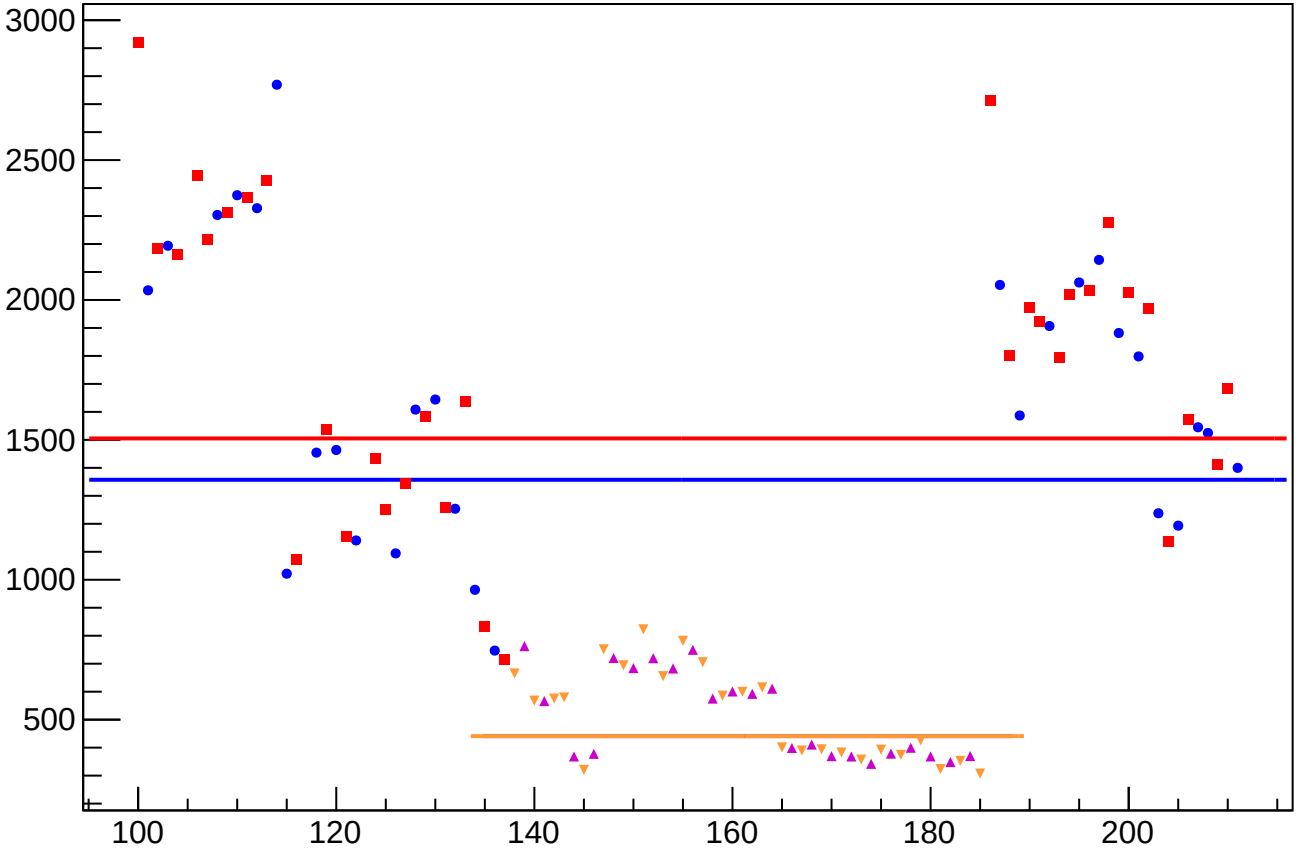
Left In: -10.643+/-107.669 χ^2/NDF:33.4/22

+ sign -364.206+/-100.832 χ^2/NDF: 88.0/52

All: -225.739+/-72.200 χ^2/NDF: 158.6/108

- sign -80.043+/-103.430 χ^2/NDF: 66.7/55

asym_sam_26_avg_reg_correction_rms vs Slug



Right In: 1357.381+/-0.249 χ^2/NDF: 3280243.1/27

Left Out: 441.128+/-0.074 χ^2/NDF:3234629.2/24

Right Out: 1505.116+/-0.263 χ^2/NDF: 3346863.7/32

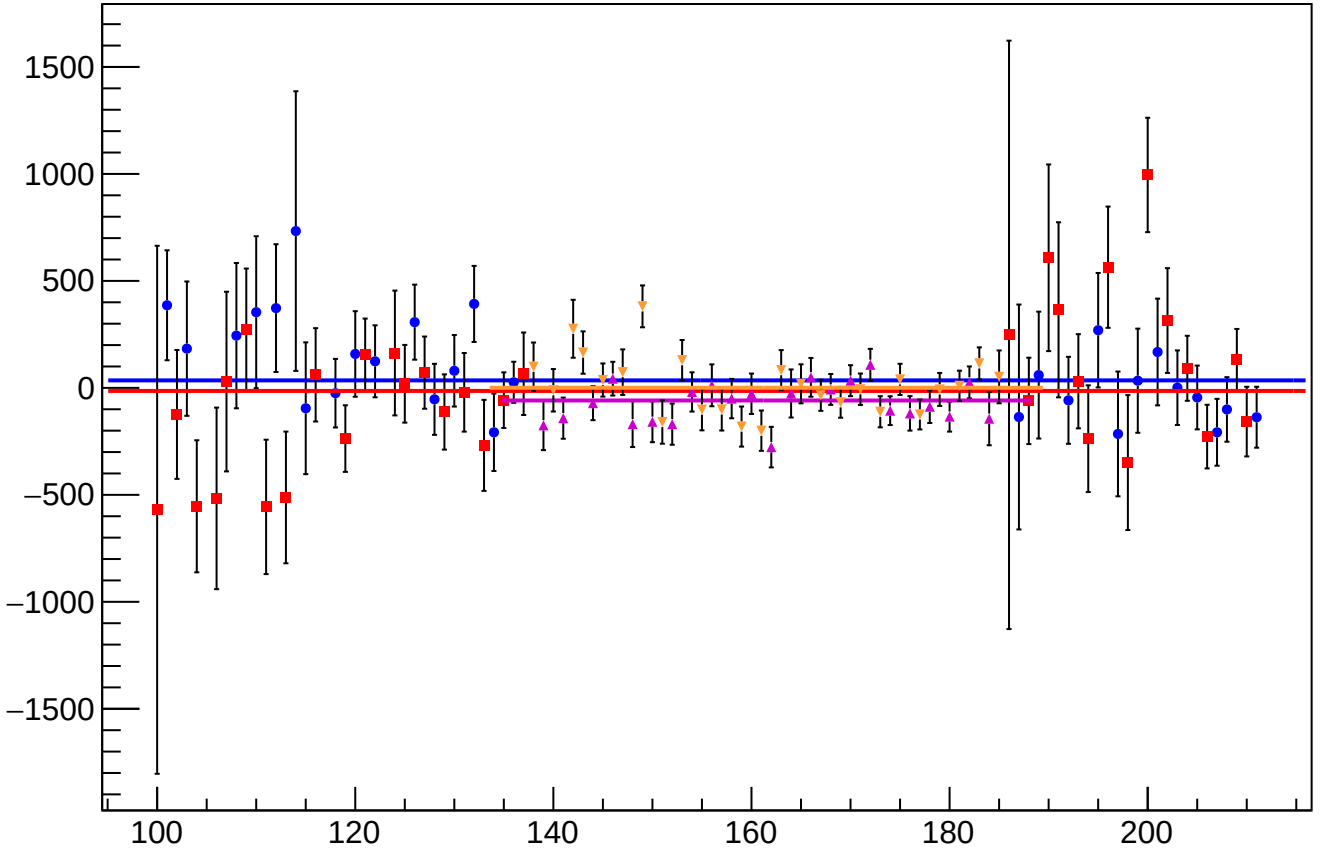
Left In: 441.196+/-0.076 χ^2/NDF:2682075.8/22

+ sign 516.139+/-0.071 χ^2/NDF: 18927942.0/52

All: 519.643+/-0.051 χ^2/NDF: 40037312.4/10

- sign 523.329+/-0.073 χ^2/NDF: 21104415.4/55

cor_asym_sam_26_avg_mean vs Slug



Right In: 35.015+/-36.494 χ^2/NDF: 22.4/27

Left Out: 0.598+/-17.319 χ^2/NDF:48.6/24

Right Out: -14.295+/-37.469 χ^2/NDF: 46.8/32

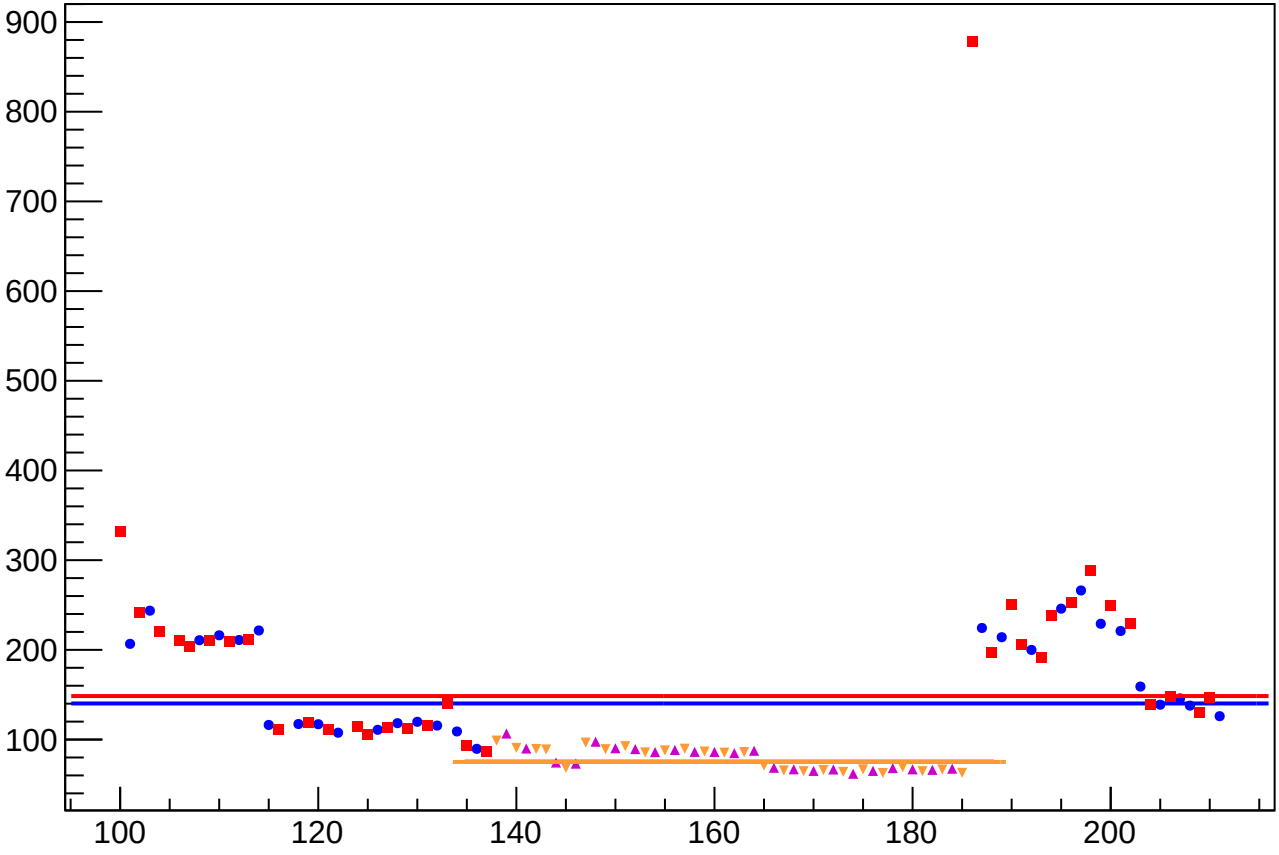
Left In: -58.904+/-17.879 χ^2/NDF:25.8/22

+ sign 6.924+/-15.647 χ^2/NDF: 71.7/52

All: -20.967+/-11.233 χ^2/NDF: 152.1/108

- sign -50.631+/-16.136 χ^2/NDF: 73.8/55

cor_asym_sam_26_avg_rms vs Slug



Right In: 140.234+/-0.026 χ^2/NDF: 3158535.2/27

Left Out: 75.041+/-0.012 χ^2/NDF:928107.8/24

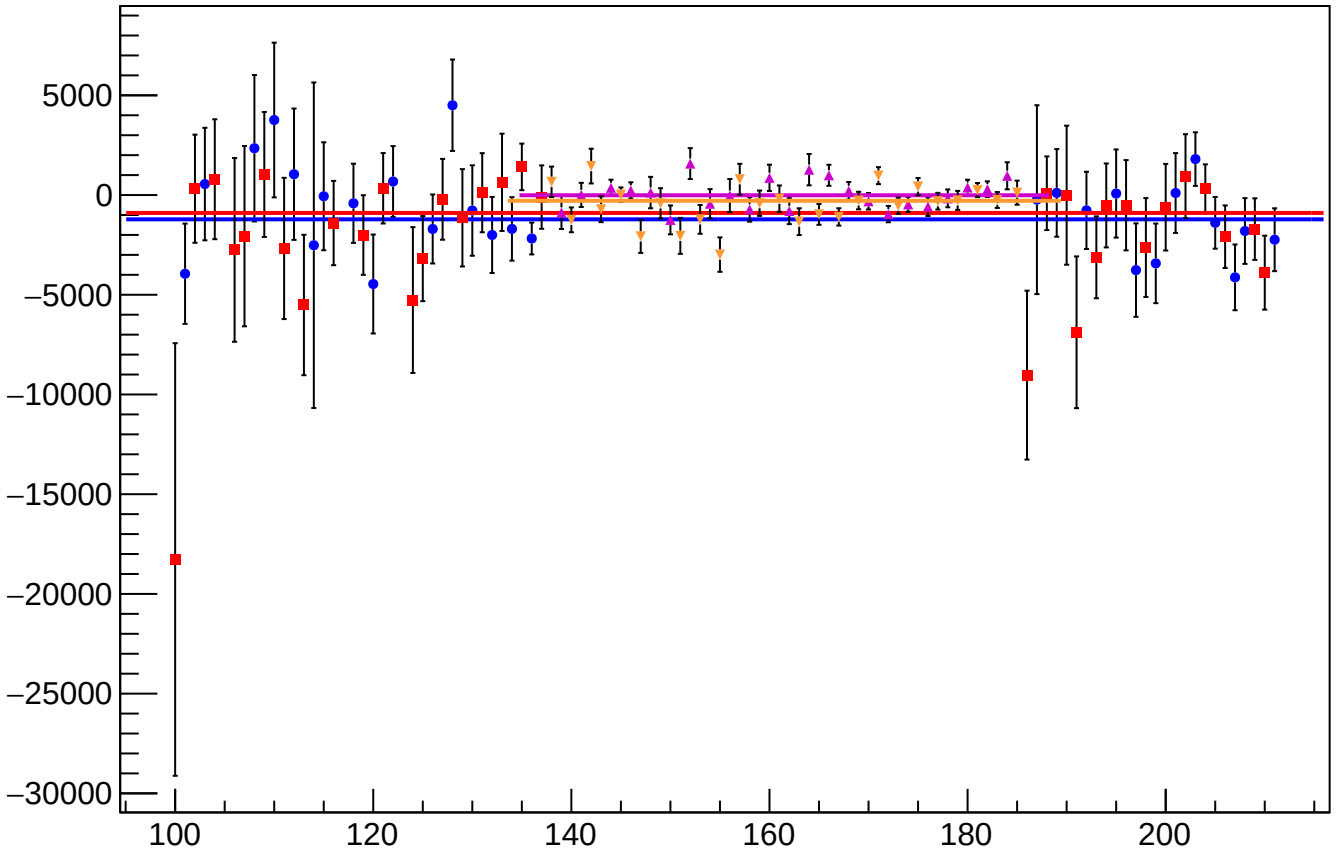
Right Out: 148.488+/-0.026 χ^2/NDF: 4220124.2/32

Left In: 75.352+/-0.013 χ^2/NDF:837634.2/22

+ sign 87.025+/-0.011 χ^2/NDF: 9295798.6/52

All: 87.941+/-0.008 χ^2/NDF: 20574346.4/108

- sign 88.916+/-0.011 χ^2/NDF: 11264397.2/55



Right In: -1217.961+/-352.407 χ^2/NDF: 28.3/27

Left Out: -288.079+/-105.231 χ^2/NDF:53.3/24

Right Out: -897.335+/-372.419 χ^2/NDF: 27.5/32

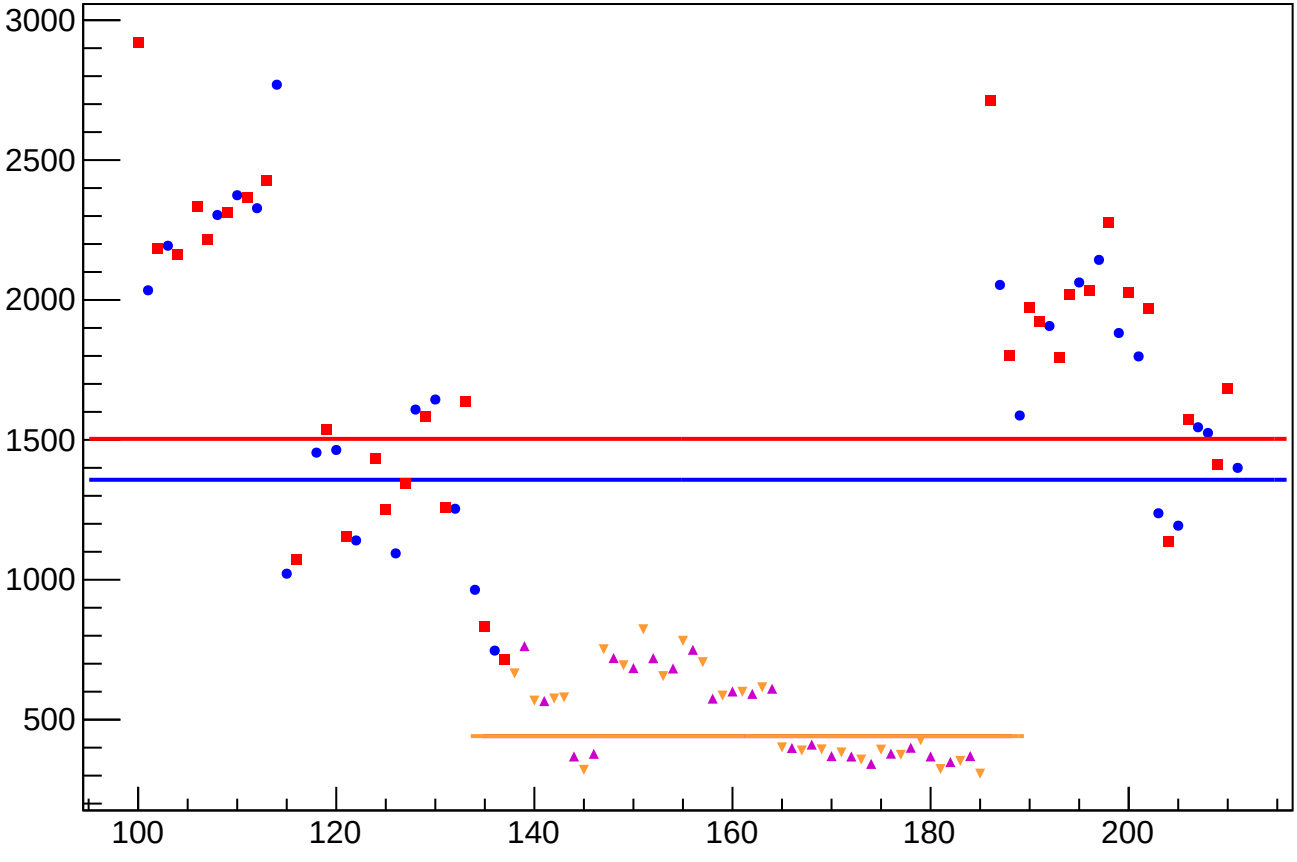
Left In: -10.644+/-107.670 χ^2/NDF:33.4/22

+ sign -364.205+/-100.832 χ^2/NDF: 88.0/52

All: -225.254+/-72.201 χ^2/NDF: 158.0/108

- sign -79.040+/-103.434 χ^2/NDF: 66.2/55

asym_sam_26_avg_cor_correction_rms vs Slug



Right In: 1357.381+/-0.249 χ^2/NDF: 3280273.3/27

Left Out: 441.128+/-0.074 χ^2/NDF:3234622.5/24

Right Out: 1503.616+/-0.263 χ^2/NDF: 3318152.9/32

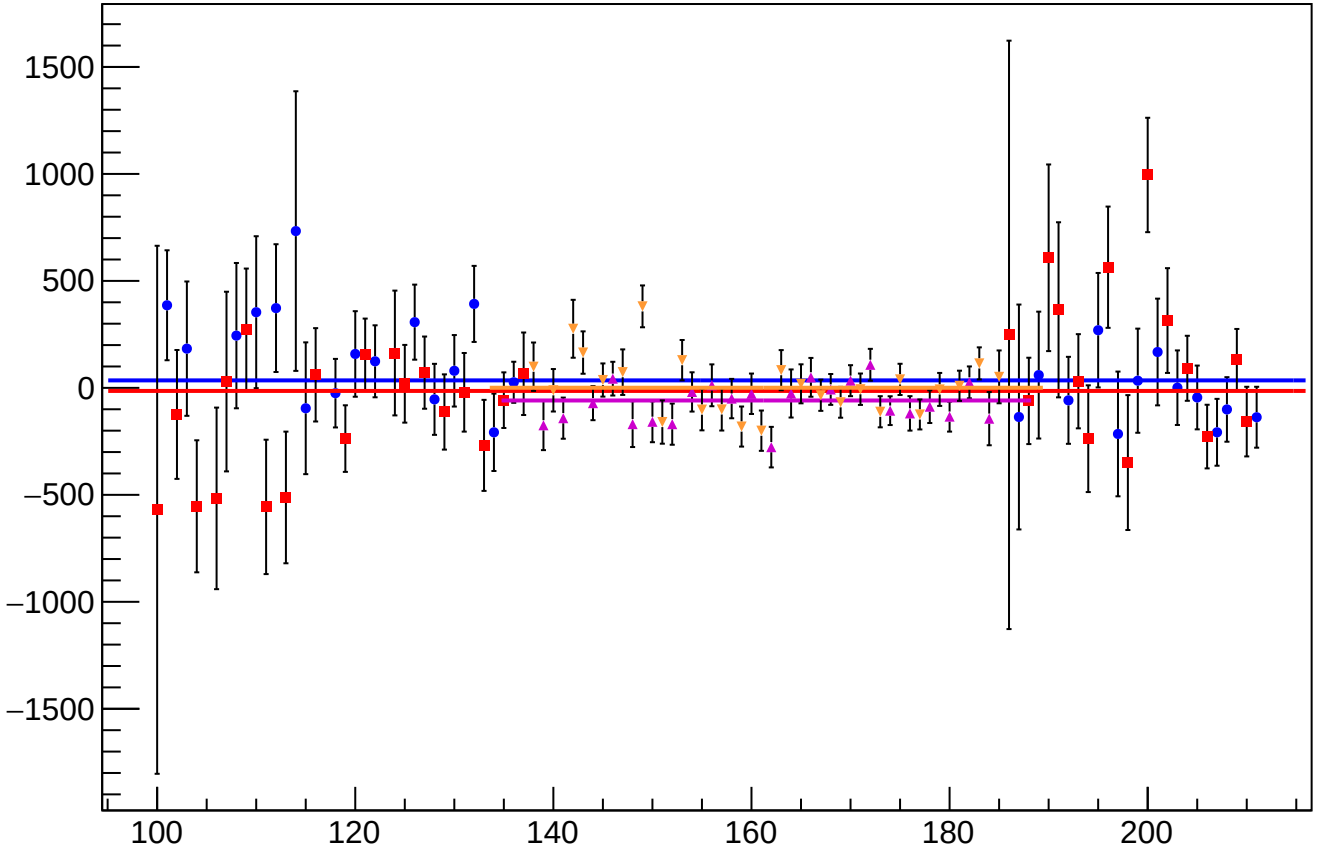
Left In: 441.196+/-0.076 χ^2/NDF:2682073.9/22

+ sign 516.139+/-0.071 χ^2/NDF: 18927950.4/52

All: 519.554+/-0.051 χ^2/NDF: 39953770.6/10

- sign 523.147+/-0.073 χ^2/NDF: 21021112.6/55

eigen_cor_asym_sam_26_avg_mean vs Slug



Right In: 35.015+/-36.494 χ^2/NDF: 22.4/27

Left Out: 0.598+/-17.319 χ^2/NDF:48.6/24

Right Out: -14.295+/-37.469 χ^2/NDF: 46.8/32

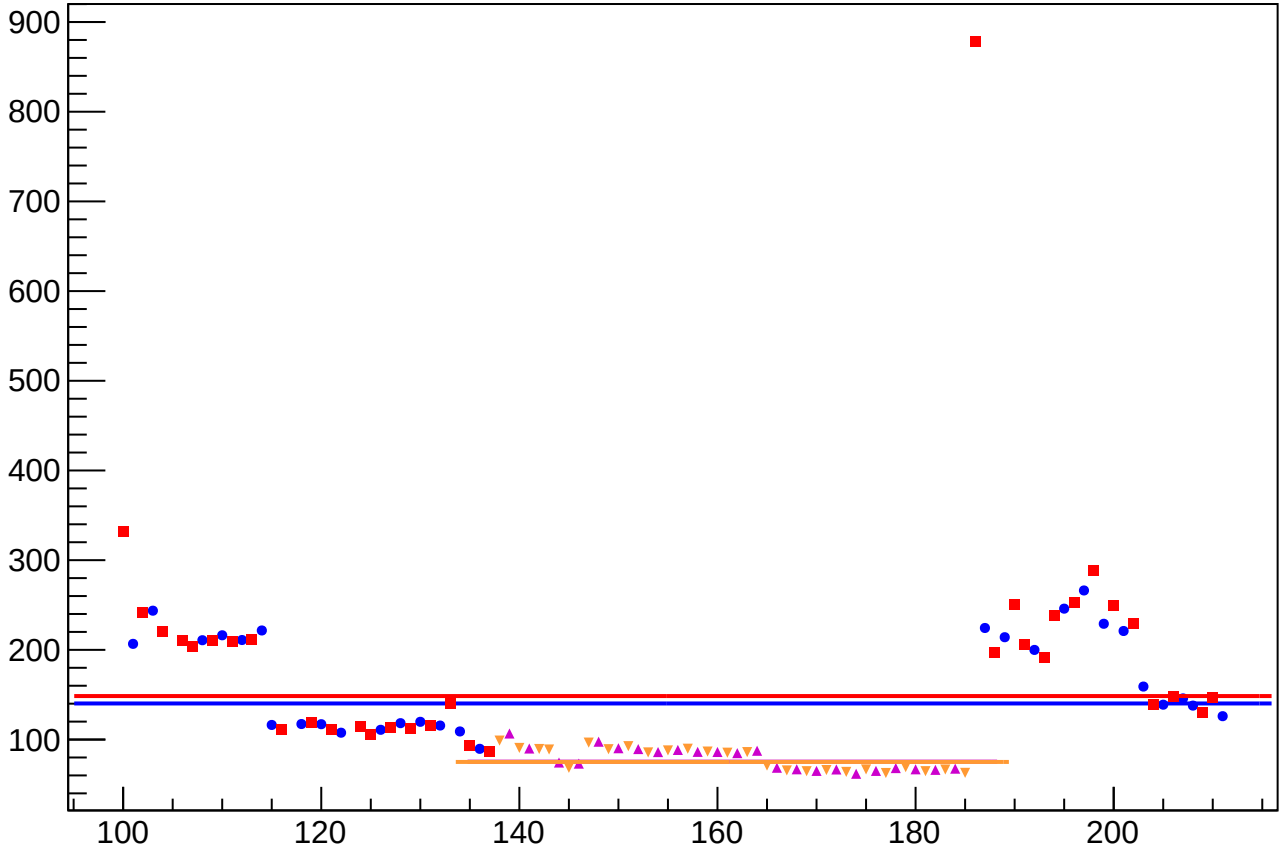
Left In: -58.904+/-17.879 χ^2/NDF:25.8/22

+ sign 6.924+/-15.647 χ^2/NDF: 71.7/52

All: -20.967+/-11.233 χ^2/NDF: 152.1/108

- sign -50.631+/-16.136 χ^2/NDF: 73.8/55

eigen_cor_asym_sam_26_avg_rms vs Slug



Right In: 140.234+/-0.026 χ^2/NDF: 3158535.2/27

Left Out: 75.041+/-0.012 χ^2/NDF:928107.8/24

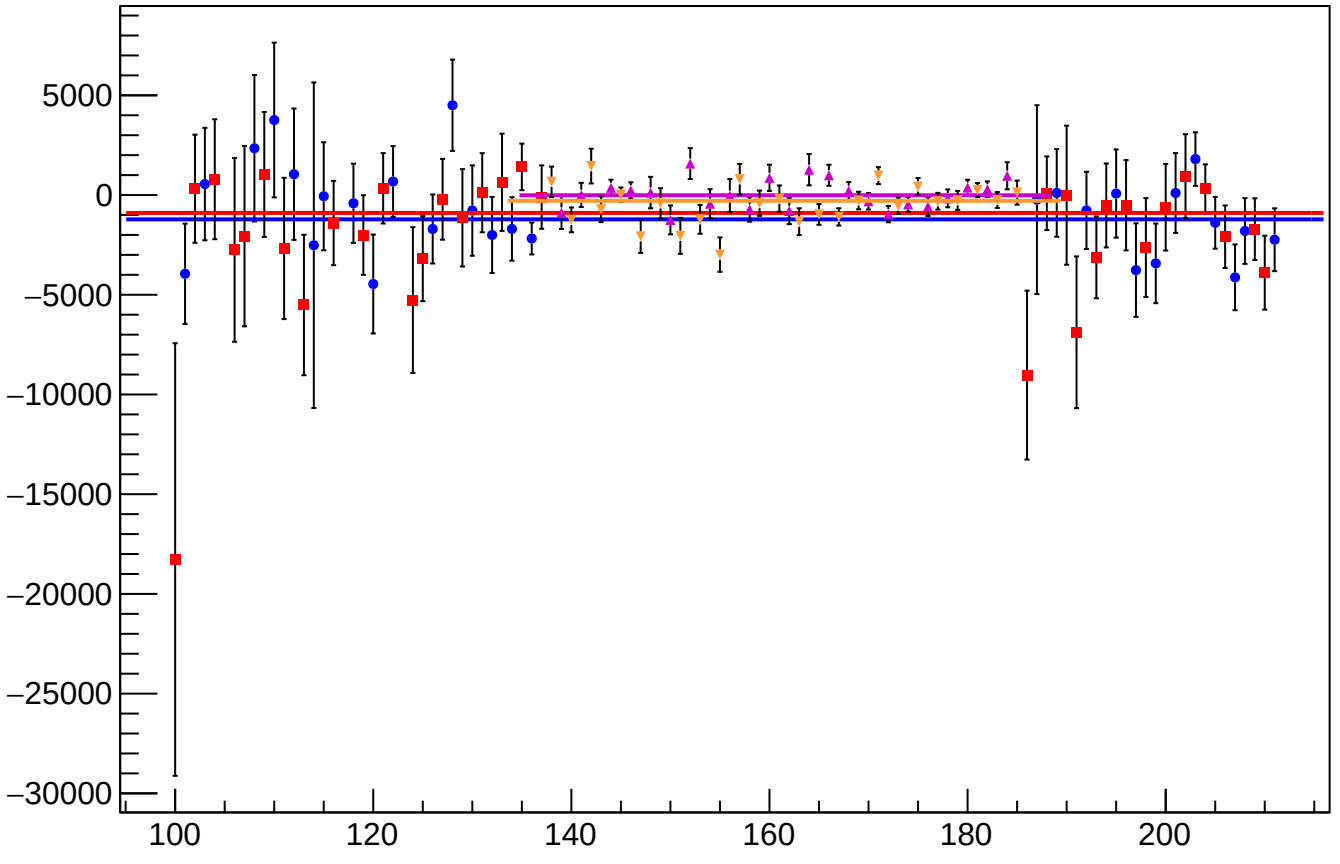
Right Out: 148.488+/-0.026 χ^2/NDF: 4220124.2/32

Left In: 75.352+/-0.013 χ^2/NDF:837634.2/22

+ sign 87.025+/-0.011 χ^2/NDF: 9295798.6/52

All: 87.941+/-0.008 χ^2/NDF: 20574346.4/108

- sign 88.916+/-0.011 χ^2/NDF: 11264397.2/55



Right In: -1217.961+/-352.407 χ^2/NDF: 28.3/27

Left Out: -288.079+/-105.231 χ^2/NDF:53.3/24

Right Out: -897.335+/-372.419 χ^2/NDF: 27.5/32

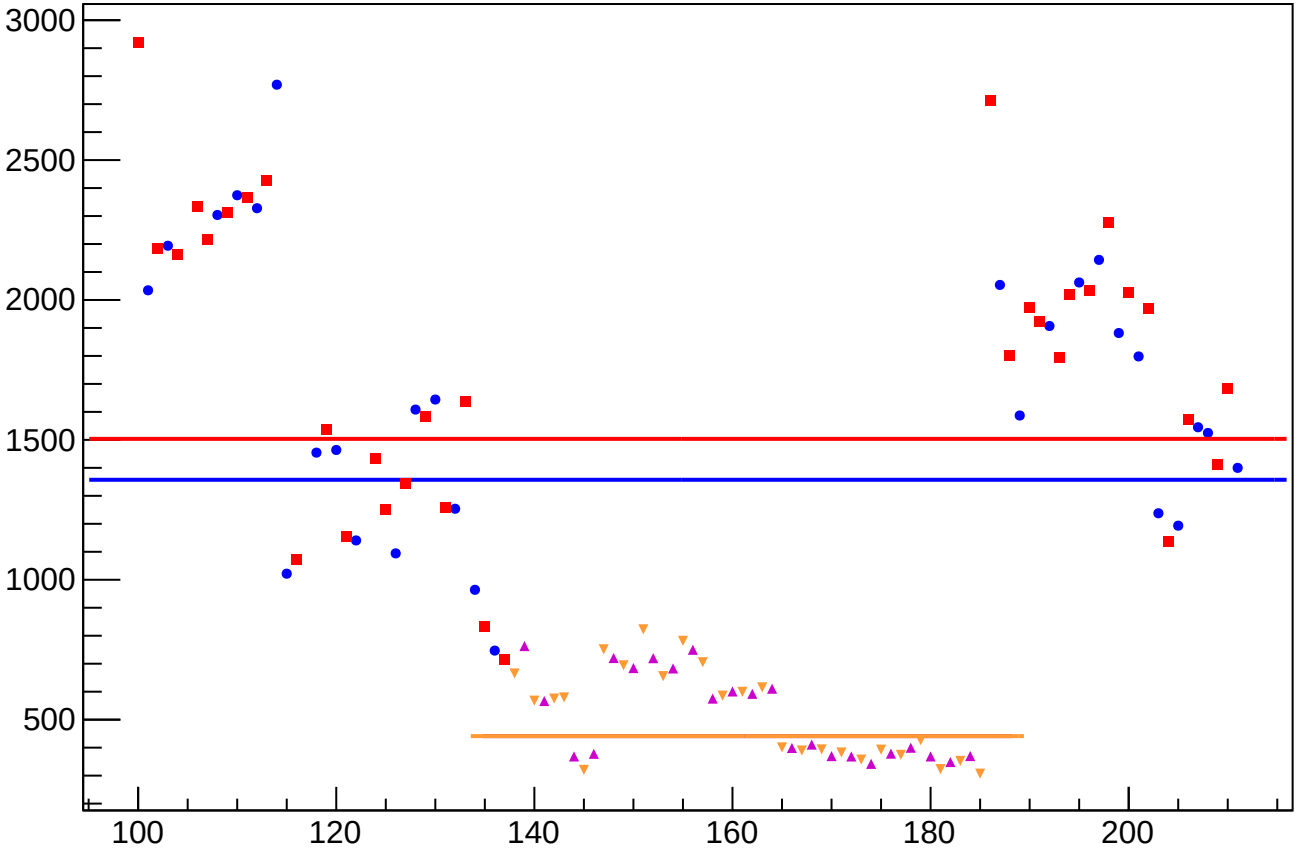
Left In: -10.644+/-107.670 χ^2/NDF:33.4/22

+ sign -364.205+/-100.832 χ^2/NDF: 88.0/52

All: -225.254+/-72.201 χ^2/NDF: 158.0/108

- sign -79.040+/-103.434 χ^2/NDF: 66.2/55

asym_sam_26_avg_eigen_cor_correction_rms vs Slug



Right In: 1357.381+/-0.249 χ^2/NDF: 3280273.3/27

Left Out: 441.128+/-0.074 χ^2/NDF:3234622.5/24

Right Out: 1503.616+/-0.263 χ^2/NDF: 3318152.9/32

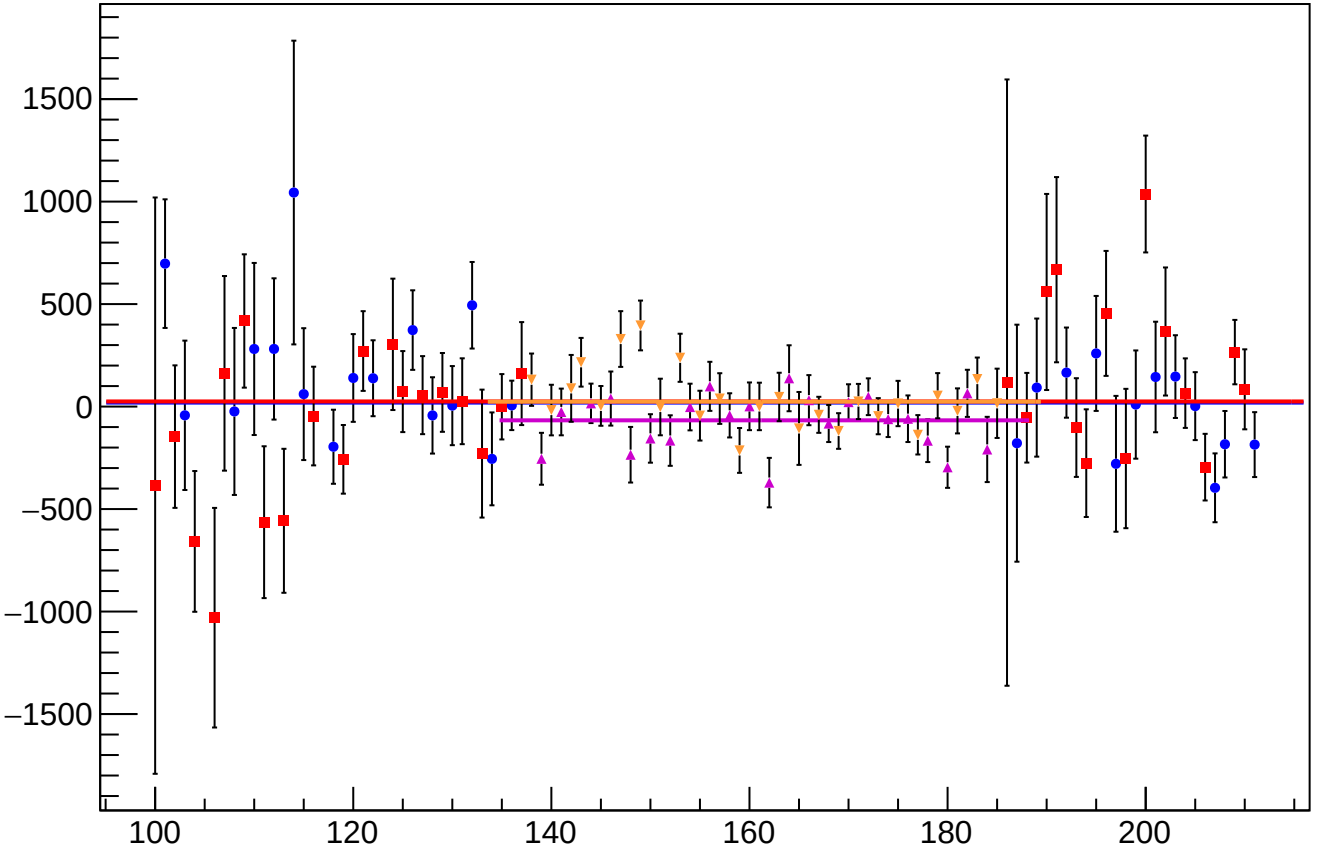
Left In: 441.196+/-0.076 χ^2/NDF:2682073.9/22

+ sign 516.139+/-0.071 χ^2/NDF: 18927950.4/52

All: 519.554+/-0.051 χ^2/NDF: 39953770.6/10

- sign 523.147+/-0.073 χ^2/NDF: 21021112.6/55

dit_asym_sam_26_avg_mean vs Slug



Right In: 19.396+/-41.501 χ^2/NDF: 31.9/27

Left Out: 23.873+/-22.414 χ^2/NDF:35.2/24

Right Out: 25.030+/-42.587 χ^2/NDF: 49.2/32

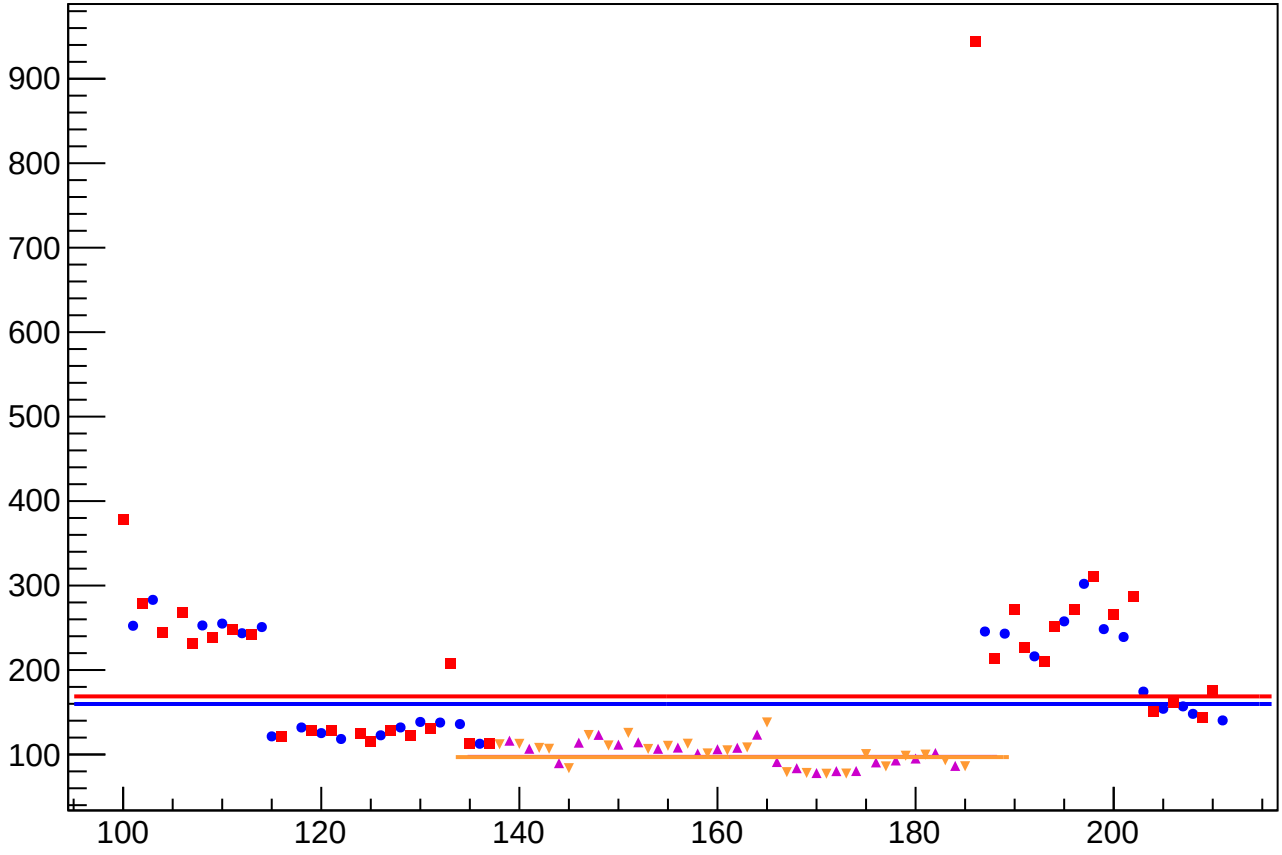
Left In: -67.086+/-23.121 χ^2/NDF:28.6/22

+ sign 22.862+/-19.722 χ^2/NDF: 67.1/52

All: -10.597+/-14.152 χ^2/NDF: 154.5/108

- sign -46.115+/-20.319 χ^2/NDF: 81.5/55

dit_asym_sam_26_avg_rms vs Slug



Right In: 159.778+/-0.029 χ^2/NDF: 2838884.9/27

Left Out: 96.907+/-0.016 χ^2/NDF:933980.7/24

Right Out: 168.768+/-0.030 χ^2/NDF: 4010274.7/32

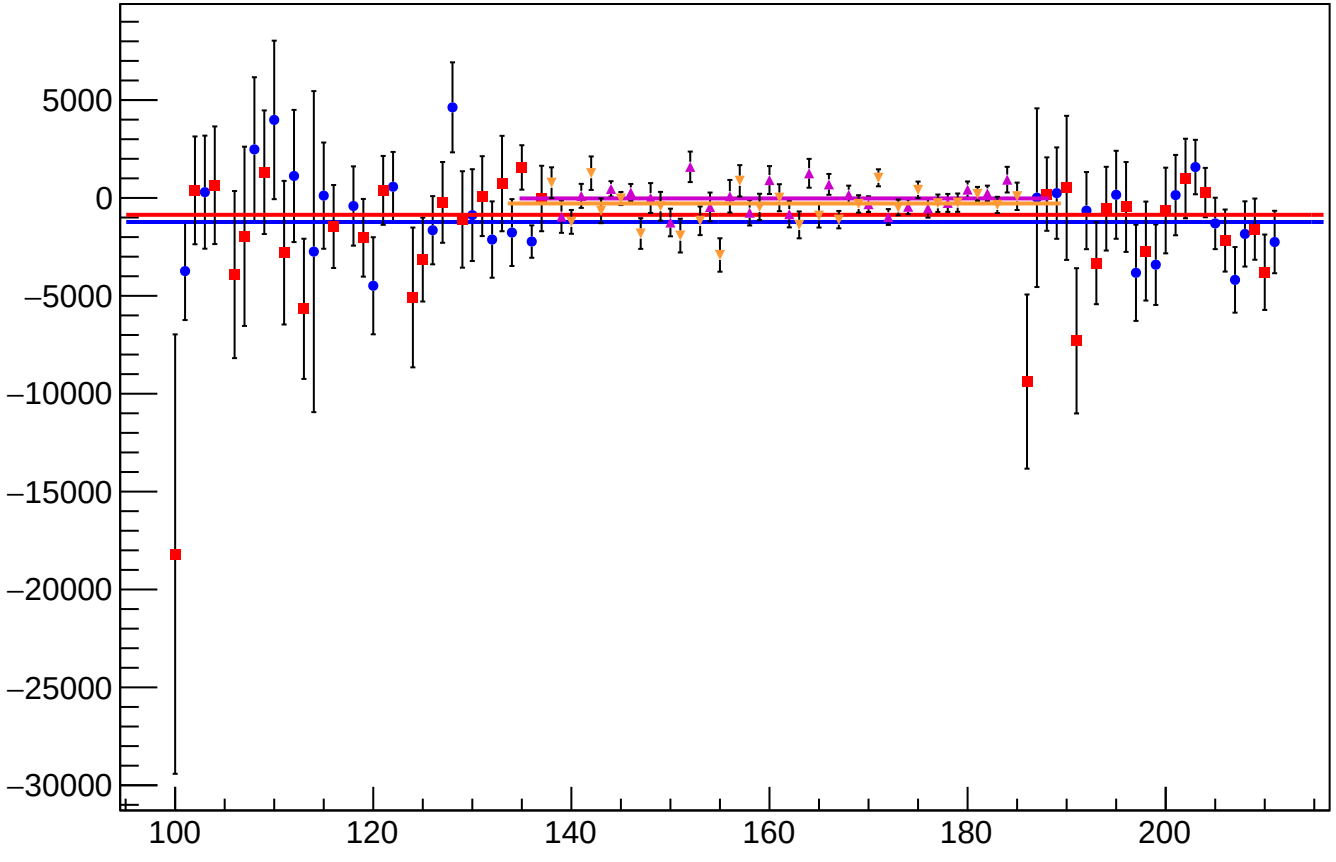
Left In: 97.167+/-0.016 χ^2/NDF:674595.2/22

+ sign 111.105+/-0.014 χ^2/NDF: 7326275.4/52

All: 112.251+/-0.010 χ^2/NDF: 16391427.0/10

- sign 113.467+/-0.014 χ^2/NDF: 9051227.1/55

asym_sam_26_avg_dit_correction_mean vs Slug



Right In: -1228.238+/-360.992 χ^2/NDF: 27.3/27

Left Out: -282.422+/-106.394 χ^2/NDF:50.4/24

Right Out: -862.181+/-375.912 χ^2/NDF: 29.0/32

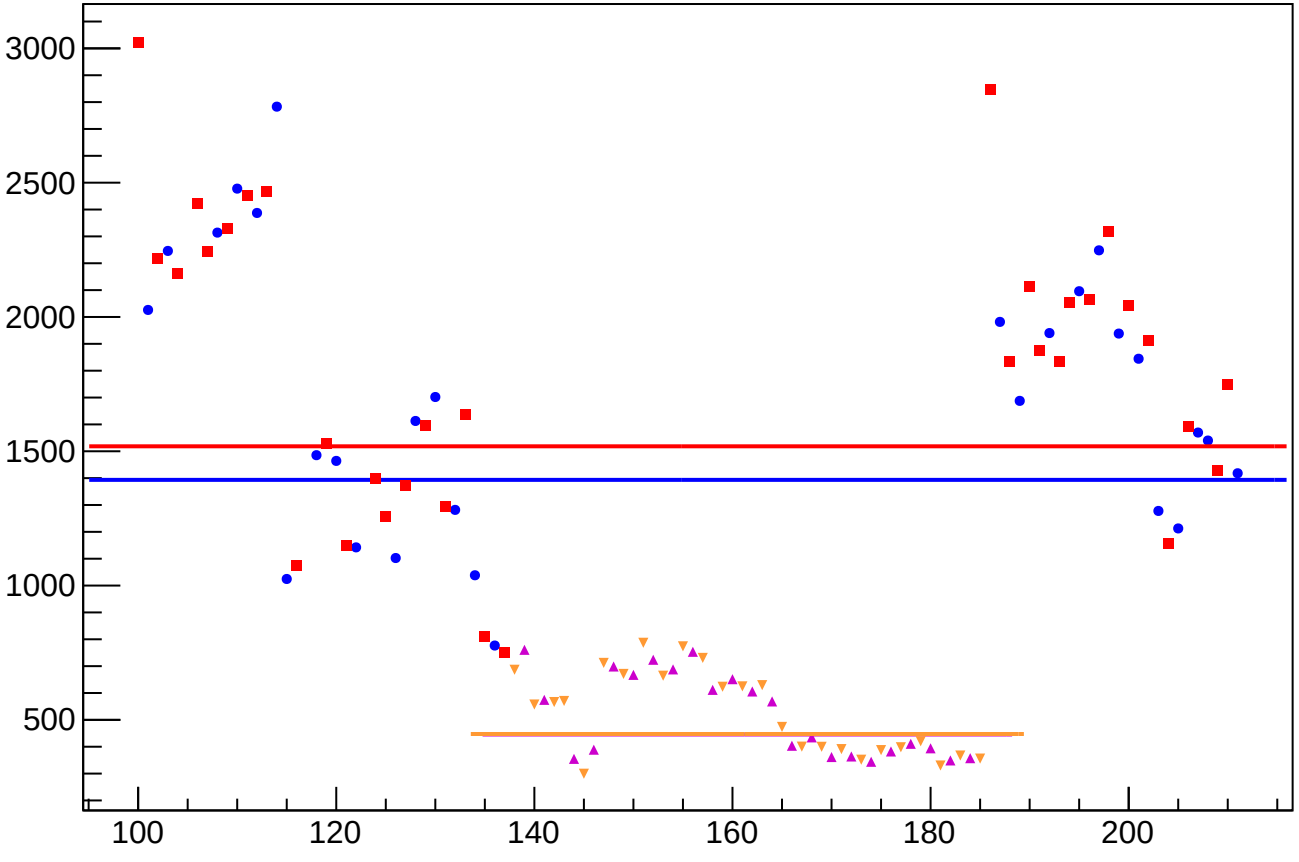
Left In: -24.625+/-108.884 χ^2/NDF:32.9/22

+ sign -358.014+/-102.054 χ^2/NDF: 84.1/52

All: -227.023+/-73.041 χ^2/NDF: 154.0/108

- sign -89.456+/-104.585 χ^2/NDF: 66.5/55

asym_sam_26_avg_dit_correction_rms vs Slug



Right In: 1393.524+/-0.255 χ^2/NDF: 3178873.1/27

Left Out: 447.386+/-0.075 χ^2/NDF:3197771.9/24

Right Out: 1518.471+/-0.266 χ^2/NDF: 3428896.1/32

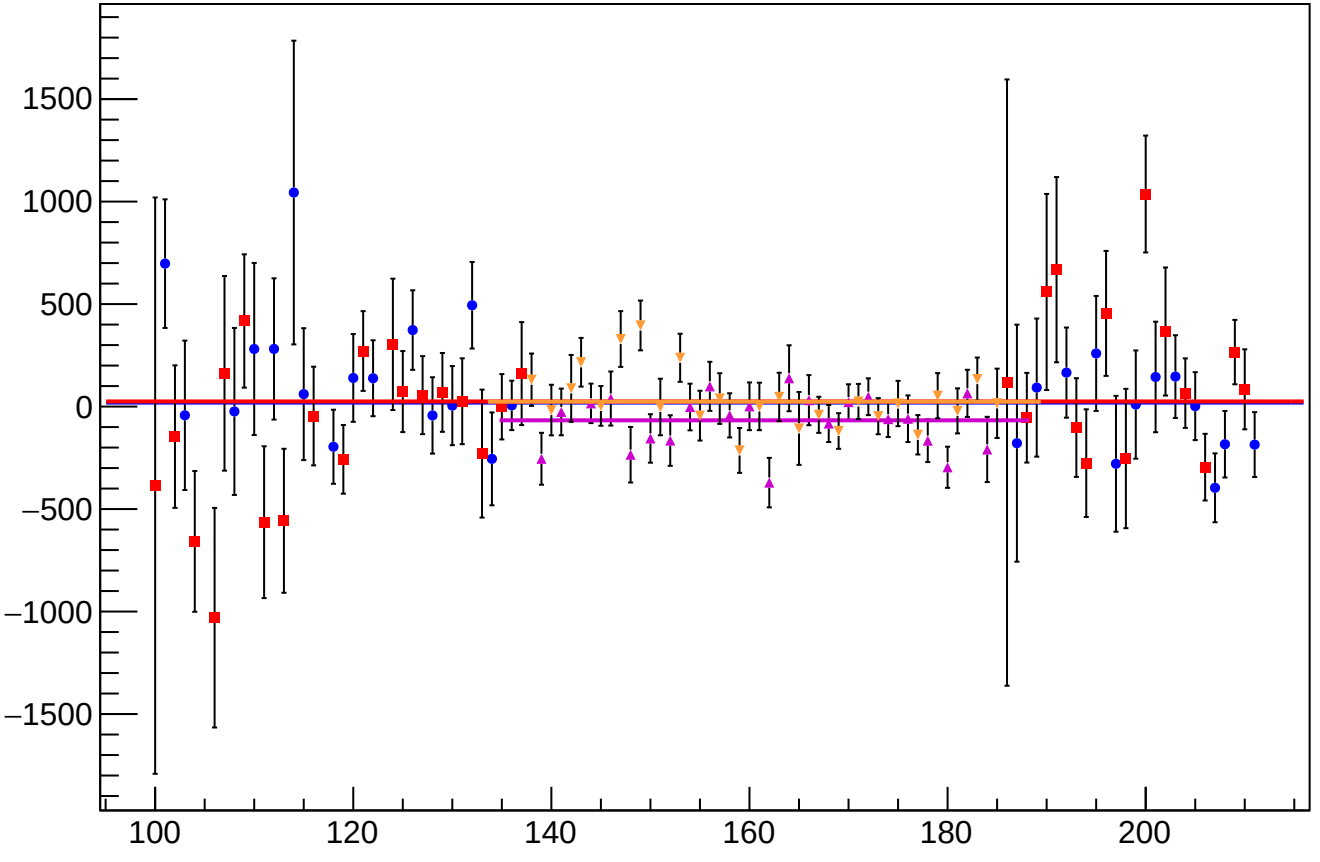
Left In: 445.491+/-0.077 χ^2/NDF:2713295.1/22

+ sign 523.003+/-0.072 χ^2/NDF: 19017269.1/52

All: 525.706+/-0.052 χ^2/NDF: 40195598.2/10

- sign 528.544+/-0.074 χ^2/NDF: 21175452.6/55

eigen_dit_asym_sam_26_avg_mean vs Slug



Right In: 19.400+/-41.501 χ^2/NDF: 31.9/27

Left Out: 23.872+/-22.414 χ^2/NDF:35.2/24

Right Out: 25.030+/-42.587 χ^2/NDF: 49.2/32

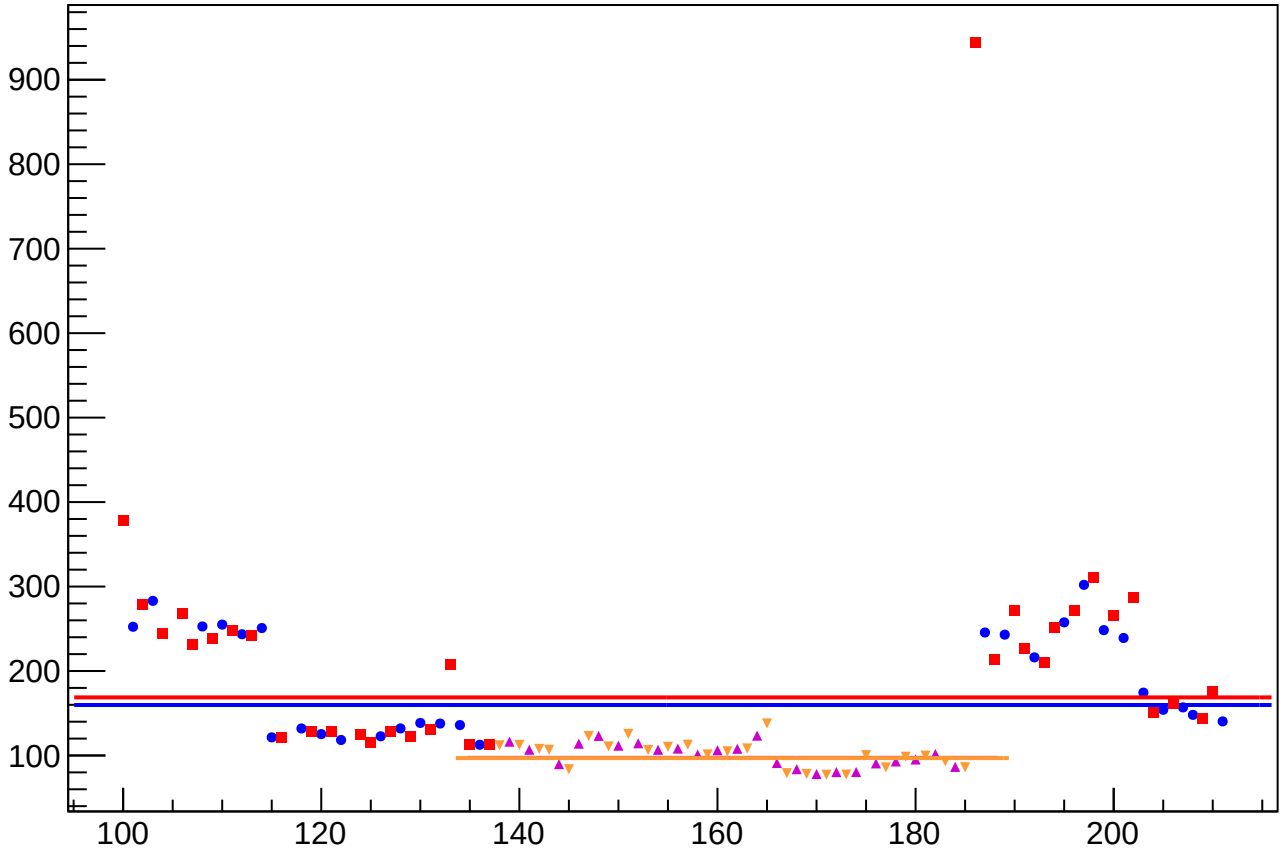
Left In: -67.085+/-23.121 χ^2/NDF:28.6/22

+ sign 22.862+/-19.722 χ^2/NDF: 67.1/52

All: -10.597+/-14.152 χ^2/NDF: 154.5/108

- sign -46.115+/-20.319 χ^2/NDF: 81.5/55

eigen_dit_asym_sam_26_avg_rms vs Slug



Right In: 159.777+/-0.029 χ^2/NDF: 2838893.2/27

Left Out: 96.907+/-0.016 χ^2/NDF:933979.3/24

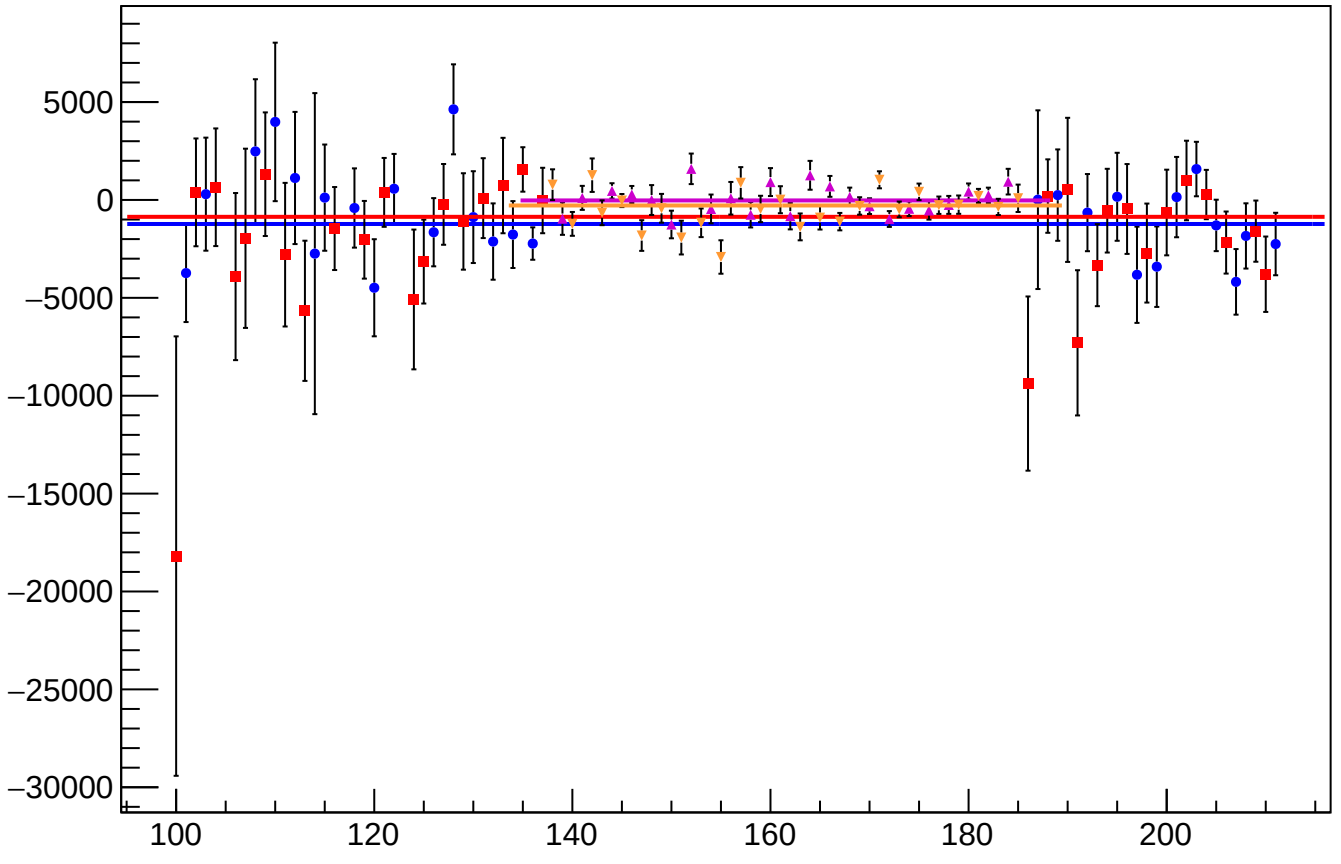
Right Out: 168.767+/-0.030 χ^2/NDF: 4010276.1/32

Left In: 97.168+/-0.016 χ^2/NDF:674586.0/22

+ sign 111.105+/-0.014 χ^2/NDF: 7326205.1/52

All: 112.251+/-0.010 χ^2/NDF: 16391283.8/10

- sign 113.468+/-0.014 χ^2/NDF: 9051152.6/55



Right In: -1228.236+/-360.992 χ^2/NDF: 27.3/27

Left Out: -282.421+/-106.394 χ^2/NDF:50.4/24

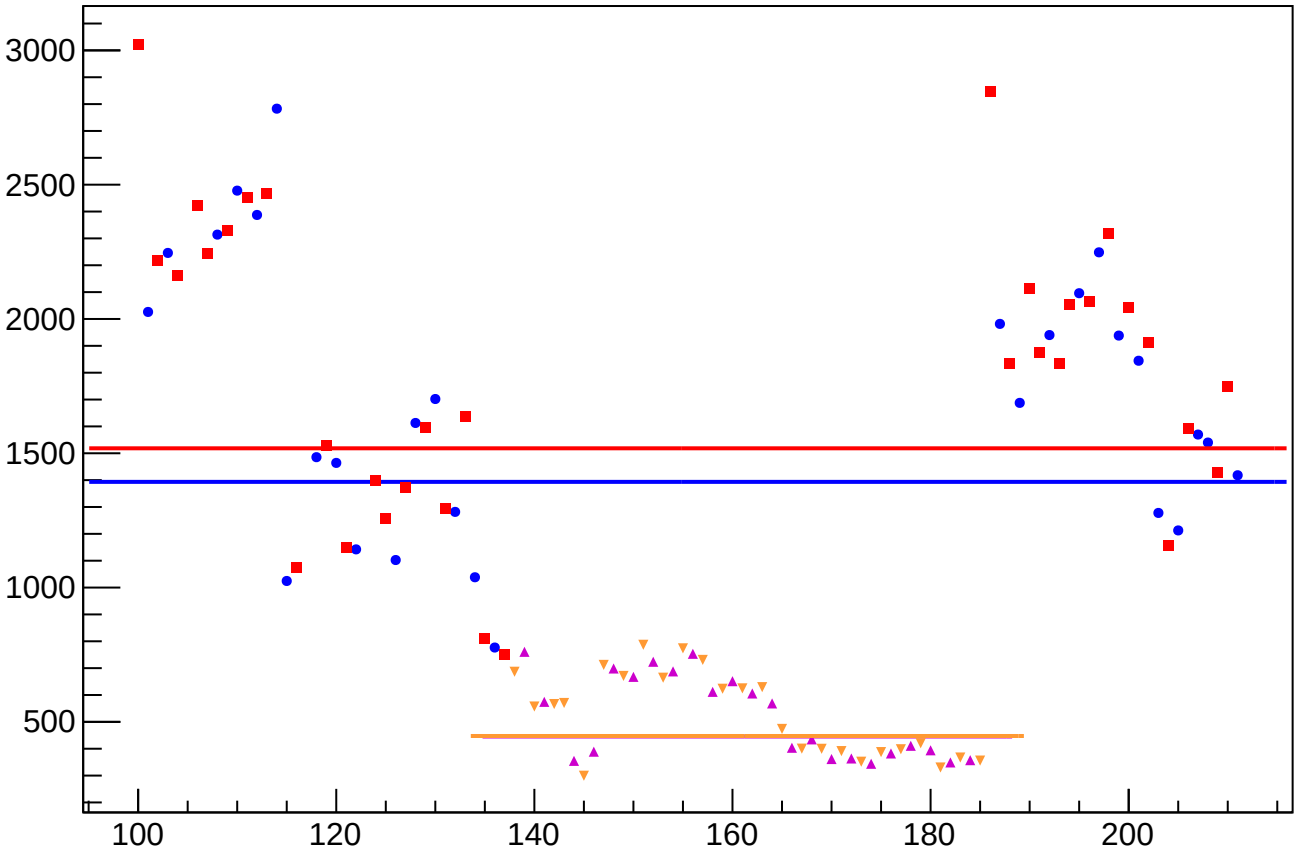
Right Out: -862.182+/-375.912 χ^2/NDF: 29.0/32

Left In: -24.626+/-108.884 χ^2/NDF:32.9/22

+ sign -358.013+/-102.054 χ^2/NDF: 84.1/52

All: -227.023+/-73.041 χ^2/NDF: 154.0/108

- sign -89.456+/-104.585 χ^2/NDF: 66.5/55



Right In: 1393.524+/-0.255 χ^2/NDF: 3178852.8/27

Left Out: 447.385+/-0.075 χ^2/NDF:3197793.9/24

Right Out: 1518.472+/-0.266 χ^2/NDF: 3428879.0/32

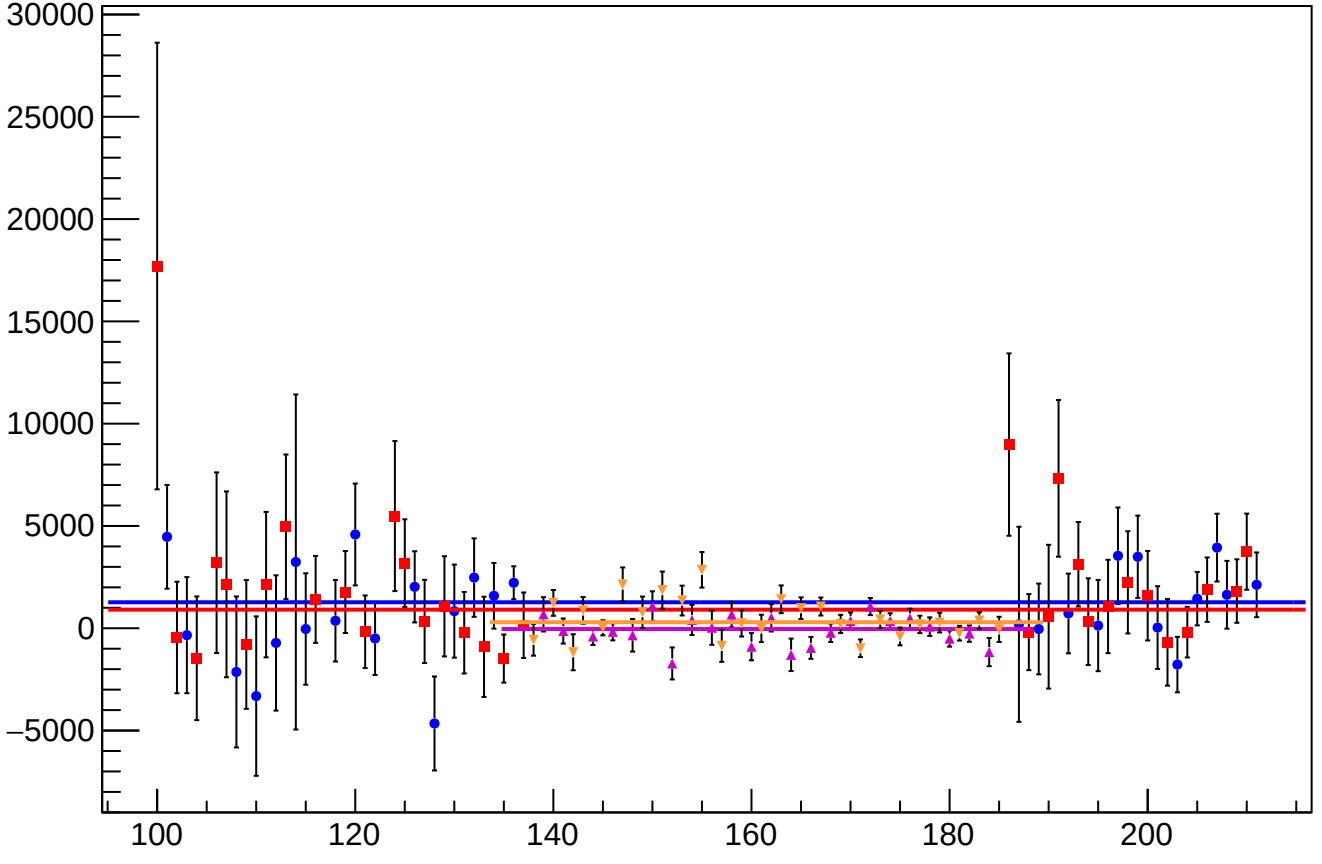
Left In: 445.491+/-0.077 χ^2/NDF:2713303.9/22

+ sign 523.002+/-0.072 χ^2/NDF: 19017294.5/52

All: 525.705+/-0.052 χ^2/NDF: 40195638.8/10

- sign 528.544+/-0.074 χ^2/NDF: 21175467.7/55

asym_sam_26_avg_mean vs Slug



Right In: 1269.938+/-354.752 χ^2/NDF: 27.7/27

Left Out: 295.006+/-106.810 χ^2/NDF:50.5/24

Right Out: 909.879+/-374.591 χ^2/NDF: 26.4/32

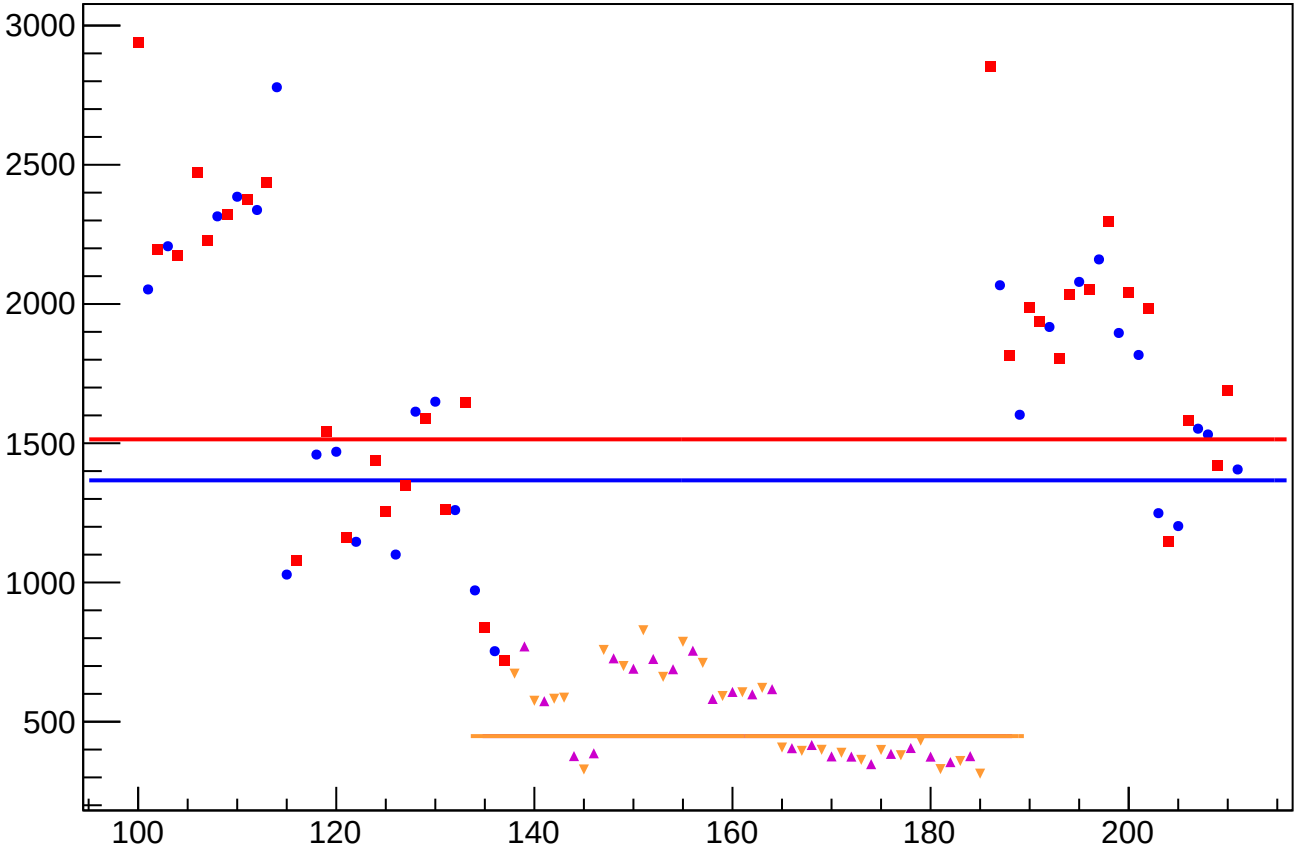
Left In: -38.107+/-109.315 χ^2/NDF:32.9/22

+ sign 376.039+/-102.275 χ^2/NDF: 85.2/52

All: 210.531+/-73.243 χ^2/NDF: 155.8/108

- sign 36.290+/-104.938 χ^2/NDF: 65.2/55

asym_sam_26_avg_rms vs Slug



Right In: 1366.752+/-0.251 χ^2/NDF: 3268058.9/27

Left Out: 448.278+/-0.076 χ^2/NDF:3156909.8/24

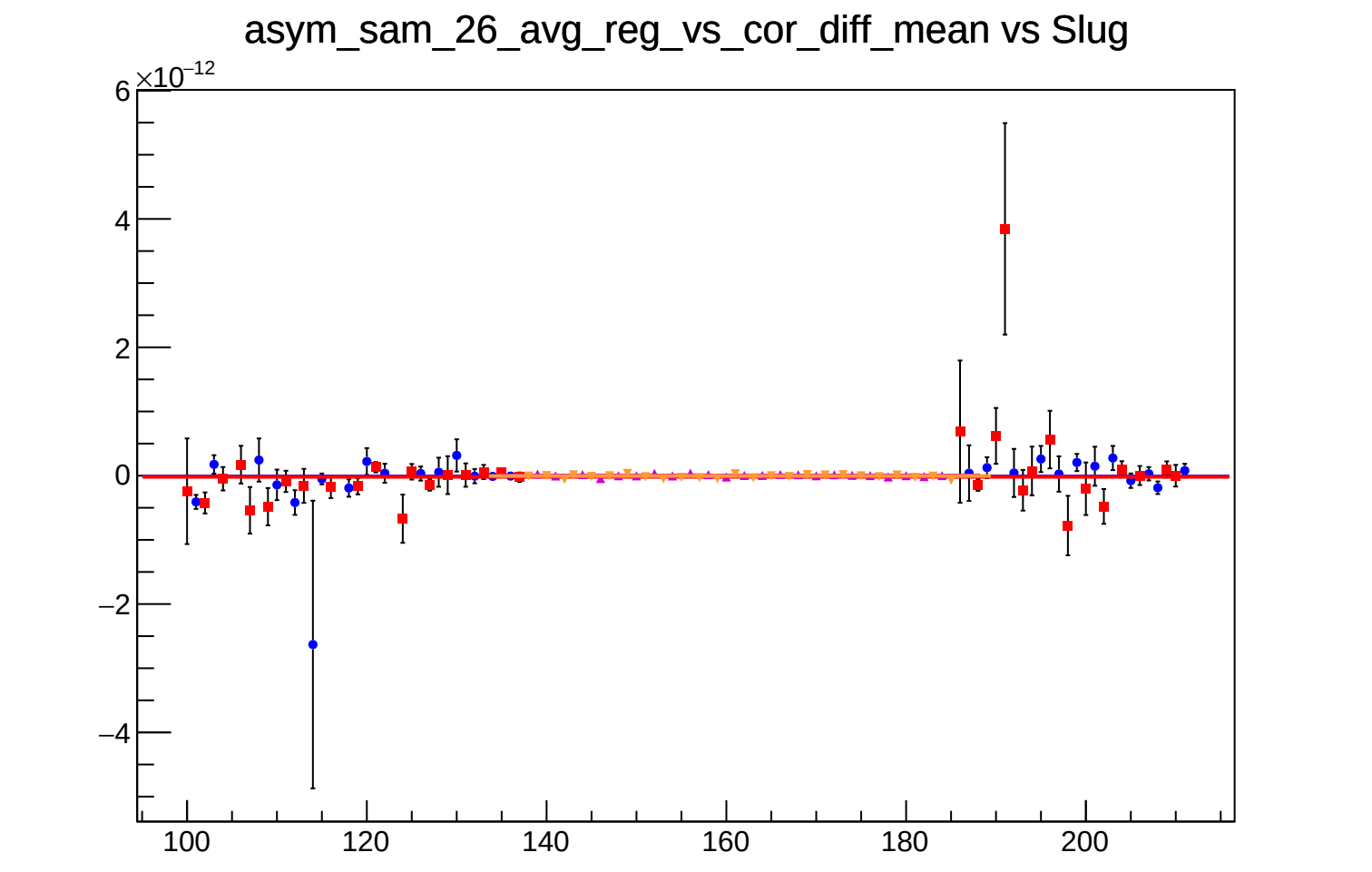
Right Out: 1513.984+/-0.265 χ^2/NDF: 3365961.9/32

Left In: 448.397+/-0.077 χ^2/NDF:2620759.6/22

+ sign 524.618+/-0.072 χ^2/NDF: 18717111.9/52

All: 528.226+/-0.052 χ^2/NDF: 39623103.9/10

- sign 532.023+/-0.074 χ^2/NDF: 20900884.7/55



Right In: -0.000+/-0.000 χ^2/NDF: 39.2/27

Left Out: -0.000+/-0.000 χ^2/NDF:23.2/24

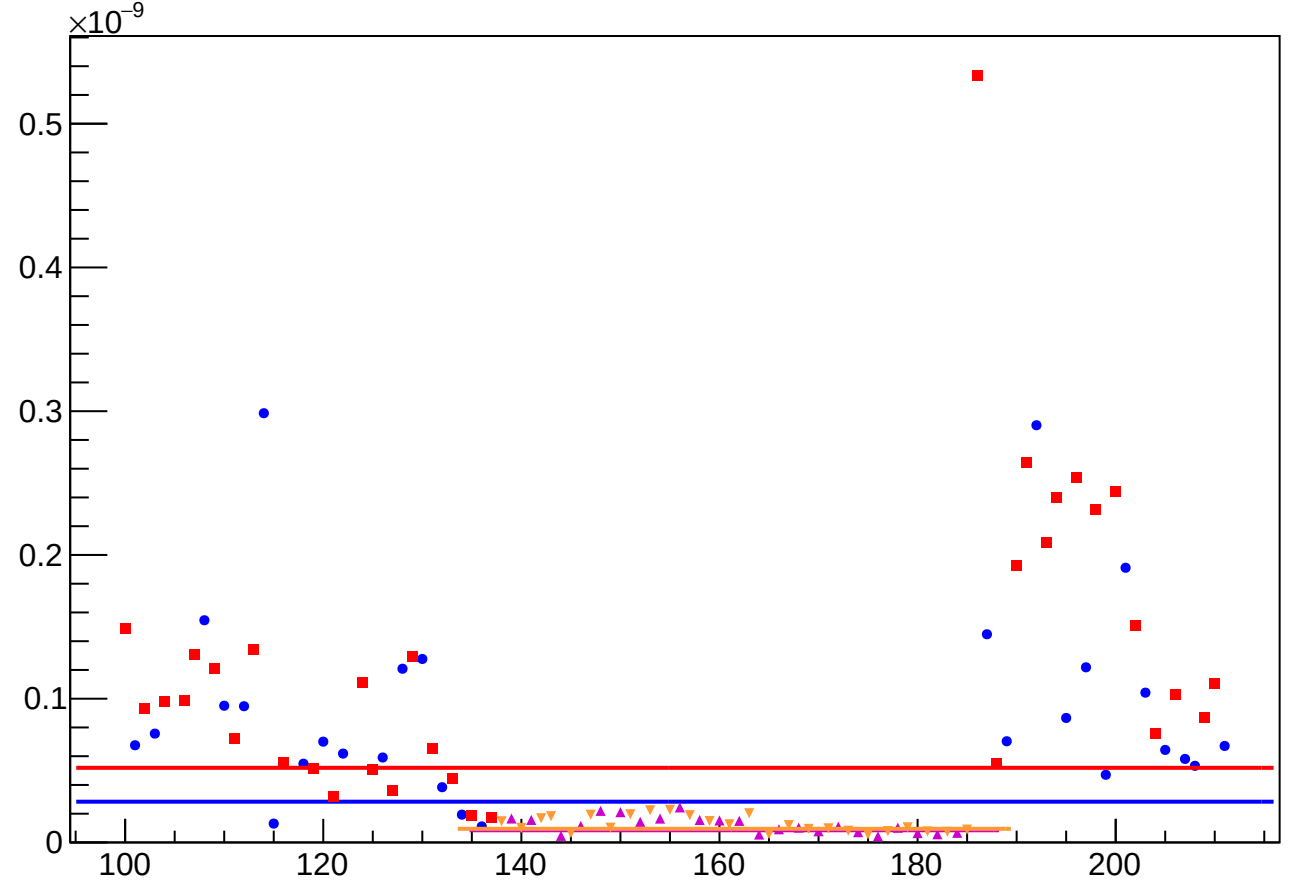
Right Out: -0.000+/-0.000 χ^2/NDF: 45.3/32

Left In: 0.000+/-0.000 χ^2/NDF:16.7/22

+ sign -0.000+/-0.000 χ^2/NDF: 62.5/52

All: -0.000+/-0.000 χ^2/NDF: 127.8/108

- sign 0.000+/-0.000 χ^2/NDF: 62.9/55



Right In: 0.000+/-0.000 χ^2/NDF: 7068643.7/27

Left Out: 0.000+/-0.000 χ^2/NDF:2422094.9/24

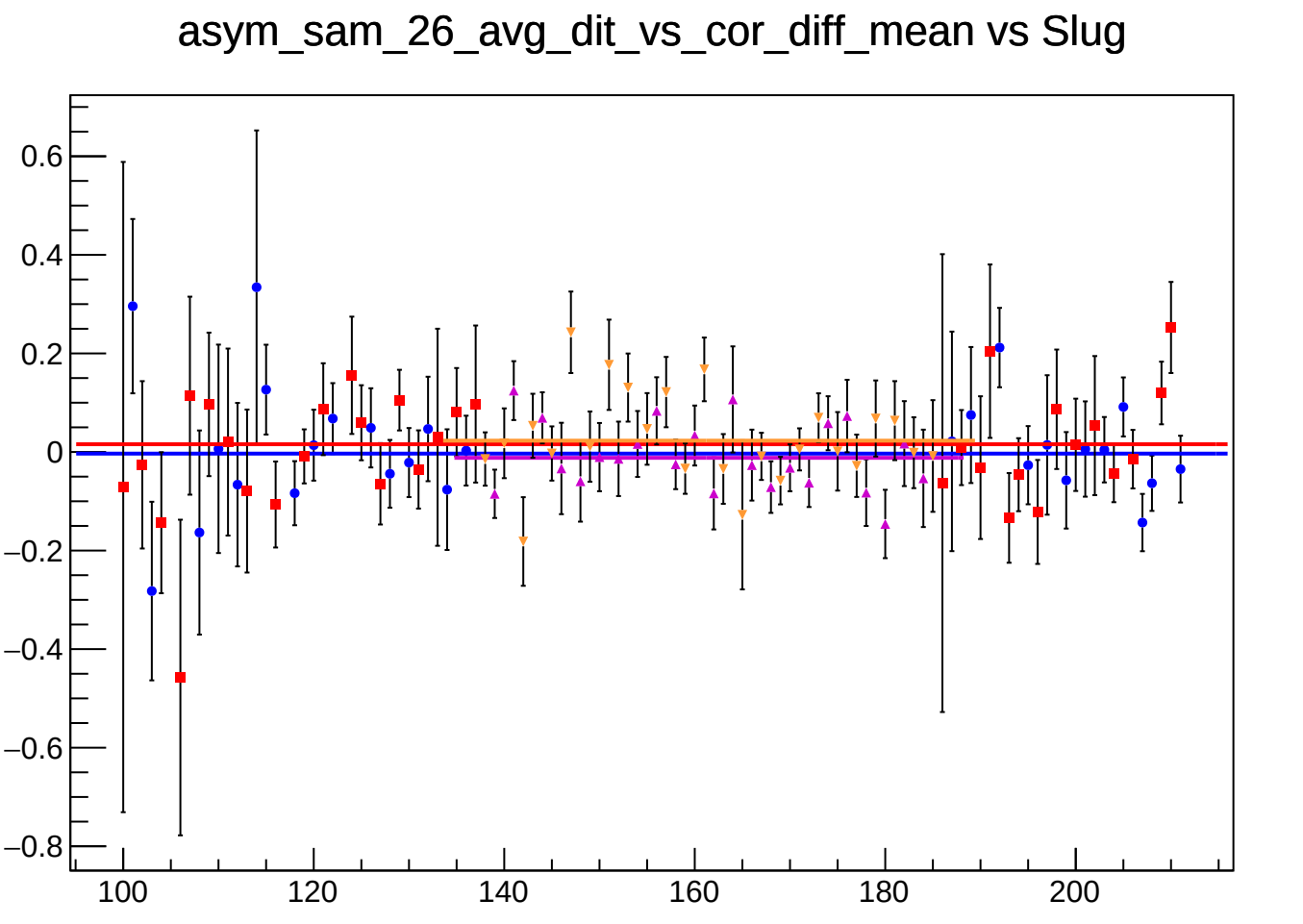
Right Out: 0.000+/-0.000 χ^2/NDF: 6233740.2/32

Left In: 0.000+/-0.000 χ^2/NDF:2739291.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 11981412.4/52

All: 0.000+/-0.000 χ^2/NDF: 27274711.5/108

- sign 0.000+/-0.000 χ^2/NDF: 15223521.1/55



Right In: -0.003+/-0.016 χ^2/NDF: 30.7/27

Left Out: 0.023+/-0.013 χ^2/NDF:34.2/24

Right Out: 0.016+/-0.017 χ^2/NDF: 30.5/32

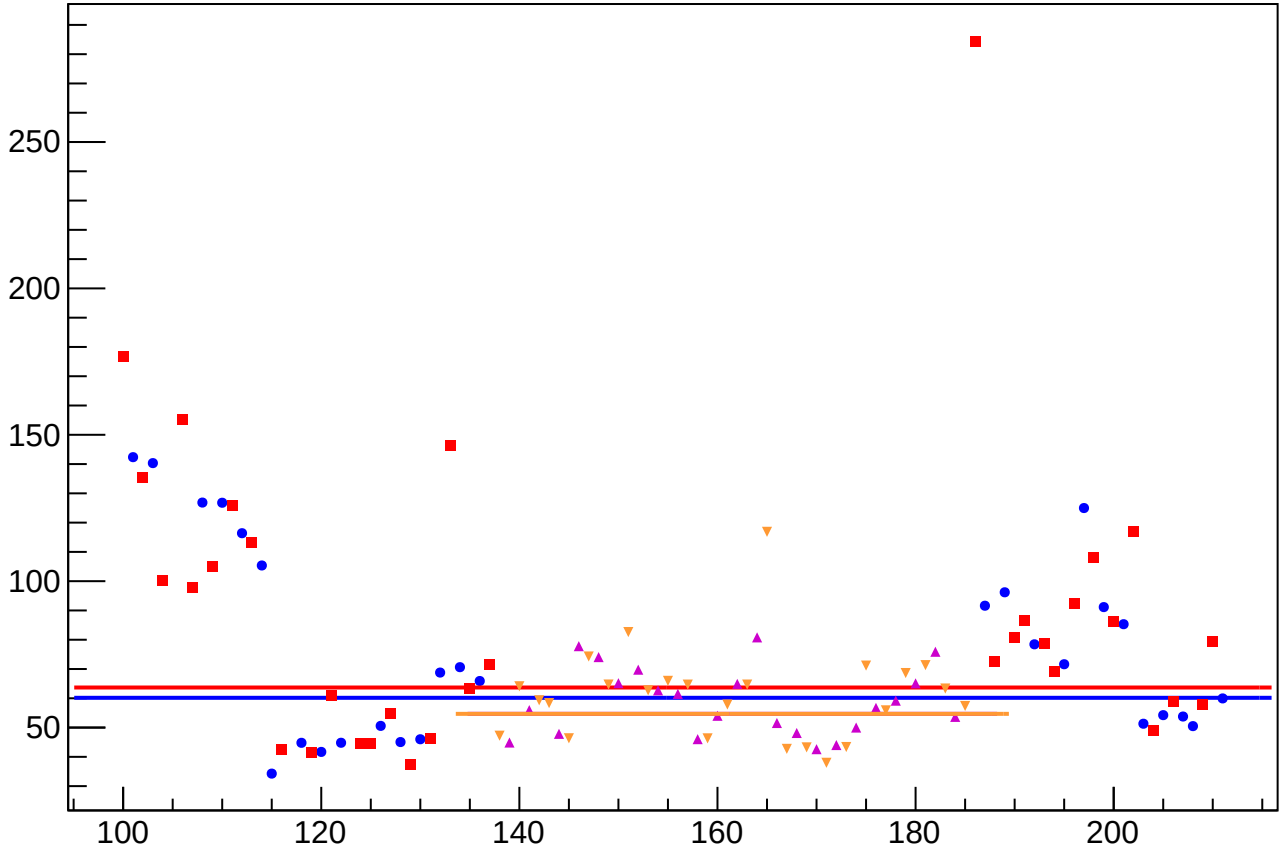
Left In: -0.012+/-0.013 χ^2/NDF:25.9/22

+ sign 0.013+/-0.010 χ^2/NDF: 66.5/52

All: 0.006+/-0.007 χ^2/NDF: 125.4/108

- sign -0.001+/-0.010 χ^2/NDF: 58.0/55

asym_sam_26_avg_dit_vs_cor_diff_rms vs Slug



Right In: 60.166+/-0.011 χ^2/NDF: 3459132.8/27

Left Out: 54.686+/-0.009 χ^2/NDF:1936559.5/24

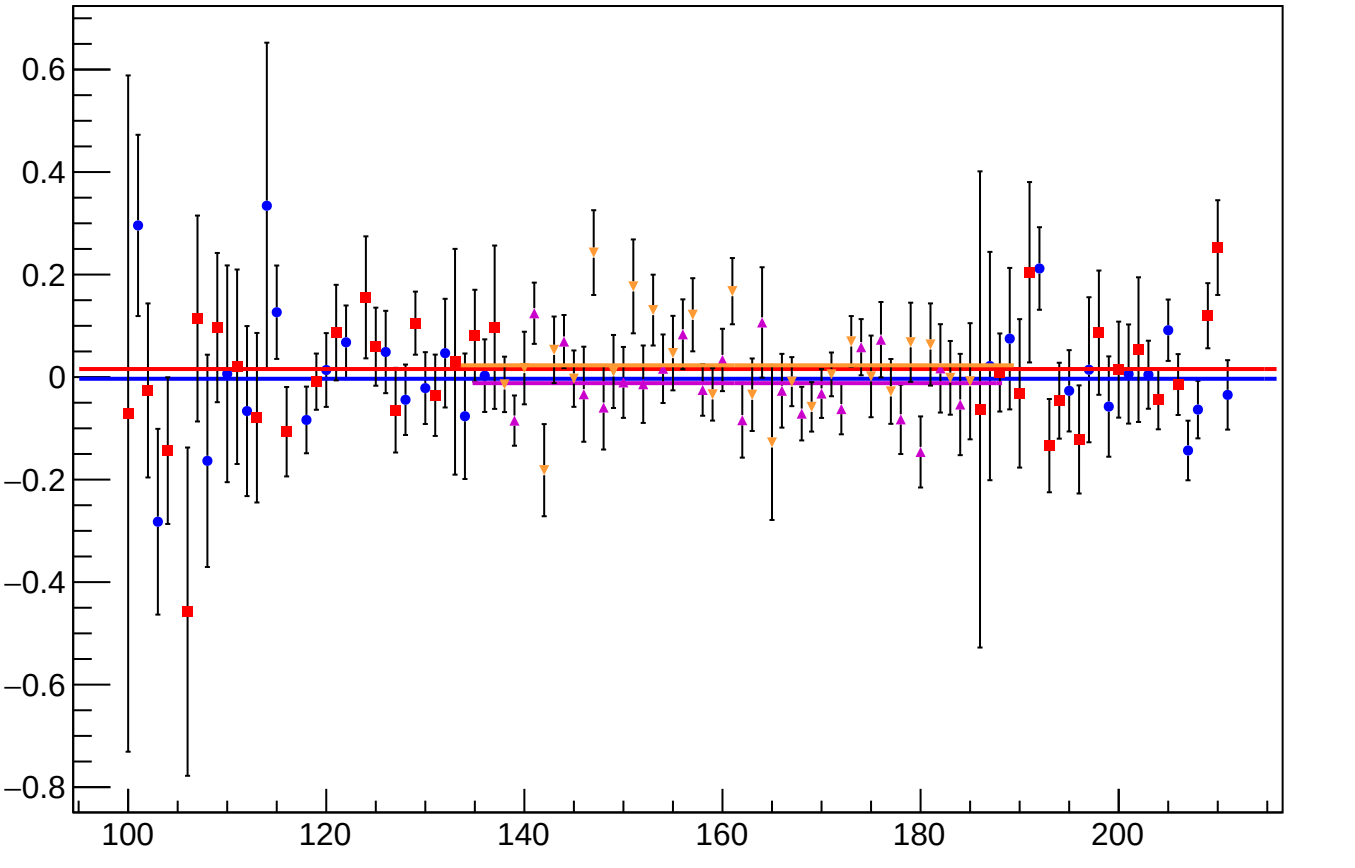
Right Out: 63.683+/-0.012 χ^2/NDF: 4366641.8/32

Left In: 54.688+/-0.009 χ^2/NDF:1190787.0/22

+ sign 56.818+/-0.007 χ^2/NDF: 5535424.2/52

All: 57.490+/-0.005 χ^2/NDF: 11469883.8/108

- sign 58.195+/-0.007 χ^2/NDF: 5916329.0/55



Right In: -0.003+/-0.016 χ^2/NDF: 30.7/27

Left Out: 0.023+/-0.013 χ^2/NDF:34.2/24

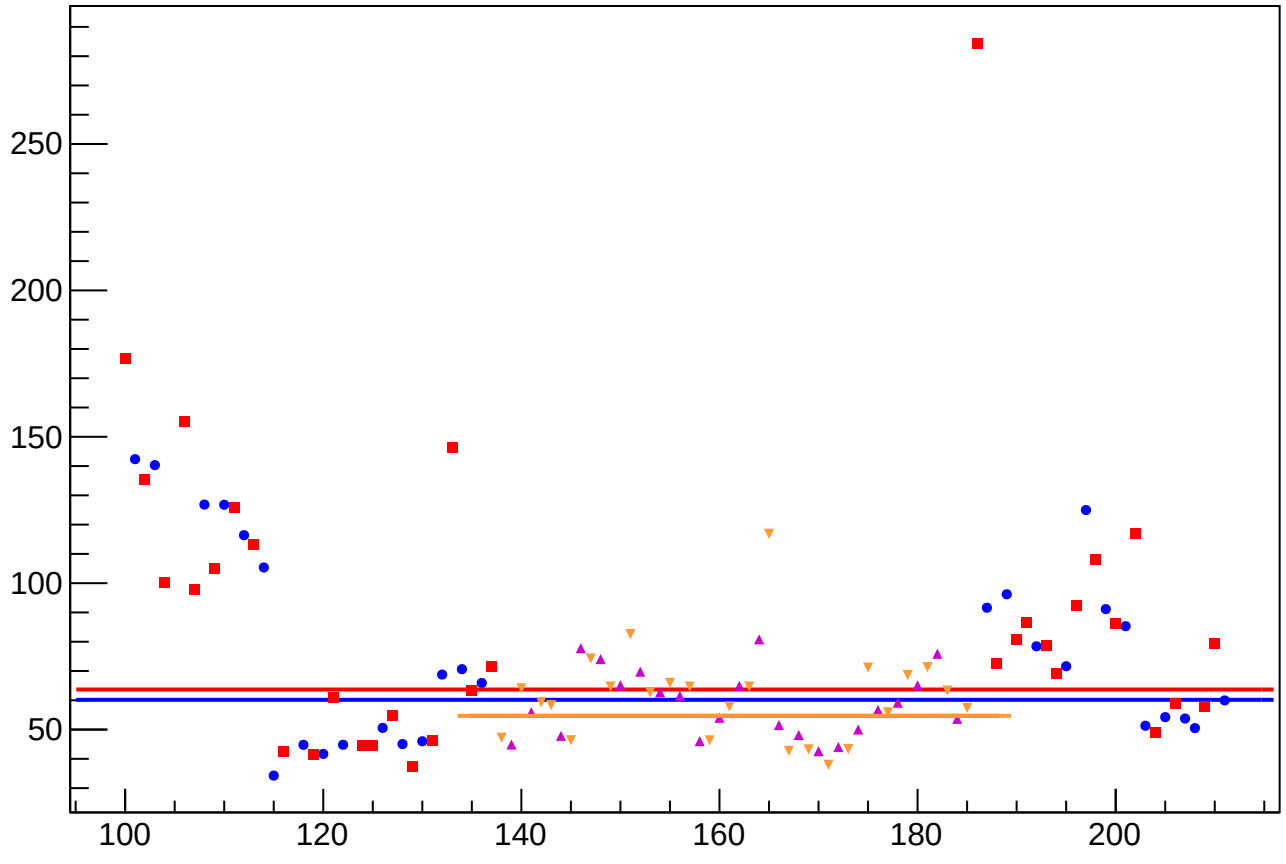
Right Out: 0.016+/-0.017 χ^2/NDF: 30.5/32

Left In: -0.012+/-0.013 χ^2/NDF:25.9/22

+ sign 0.013+/-0.010 χ^2/NDF: 66.5/52

All: 0.006+/-0.007 χ^2/NDF: 125.4/108

- sign -0.001+/-0.010 χ^2/NDF: 58.0/55



Right In: 60.166+/-0.011 χ^2/NDF: 3459132.8/27

Left Out: 54.686+/-0.009 χ^2/NDF:1936559.5/24

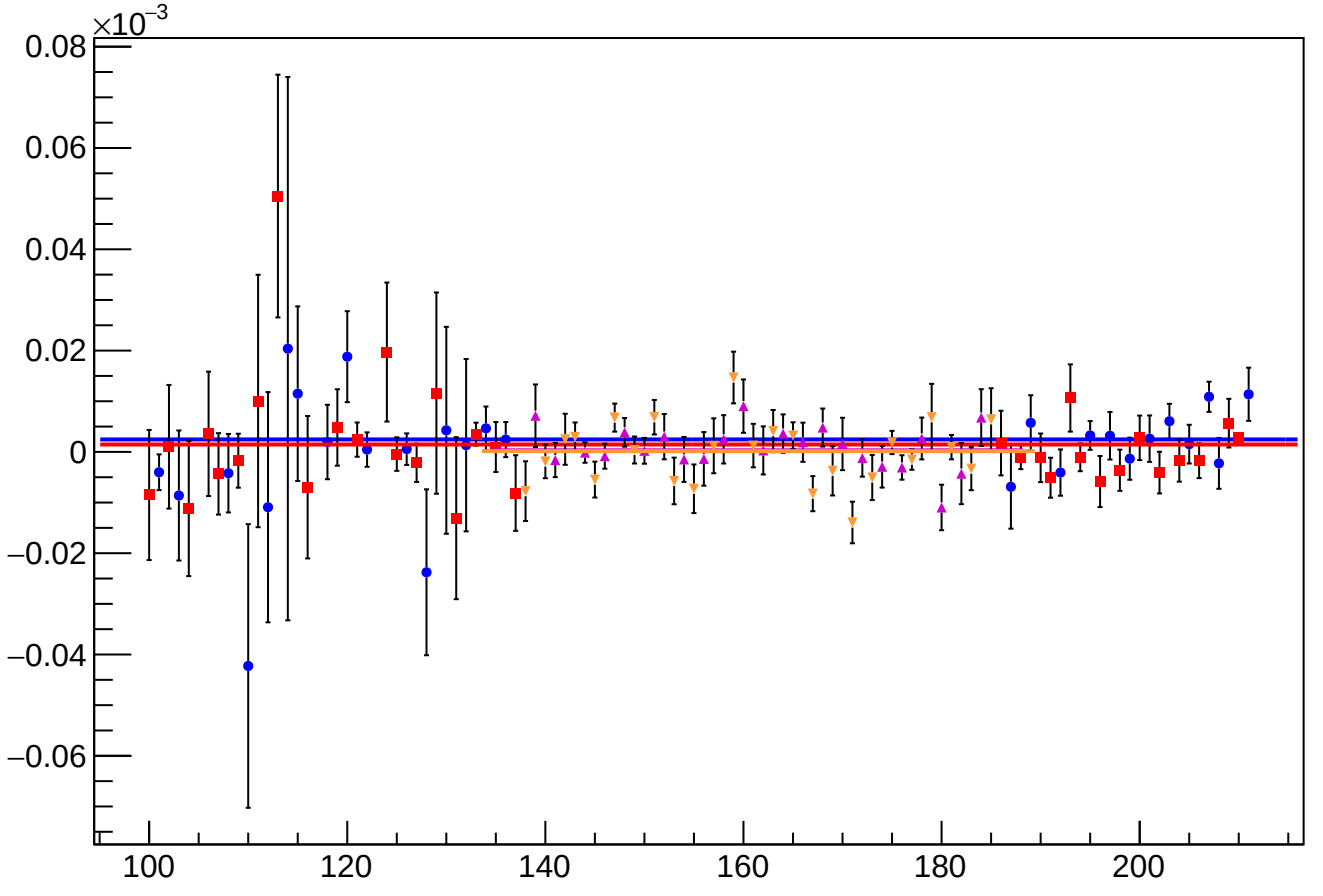
Right Out: 63.683+/-0.012 χ^2/NDF: 4366641.8/32

Left In: 54.688+/-0.009 χ^2/NDF:1190787.0/22

+ sign 56.818+/-0.007 χ^2/NDF: 5535424.2/52

All: 57.490+/-0.005 χ^2/NDF: 11469883.8/108

- sign 58.195+/-0.007 χ^2/NDF: 5916329.0/55



Right In: 0.000+/-0.000 χ^2/NDF: 32.6/27

Left Out: 0.000+/-0.000 χ^2/NDF:53.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 32.1/32

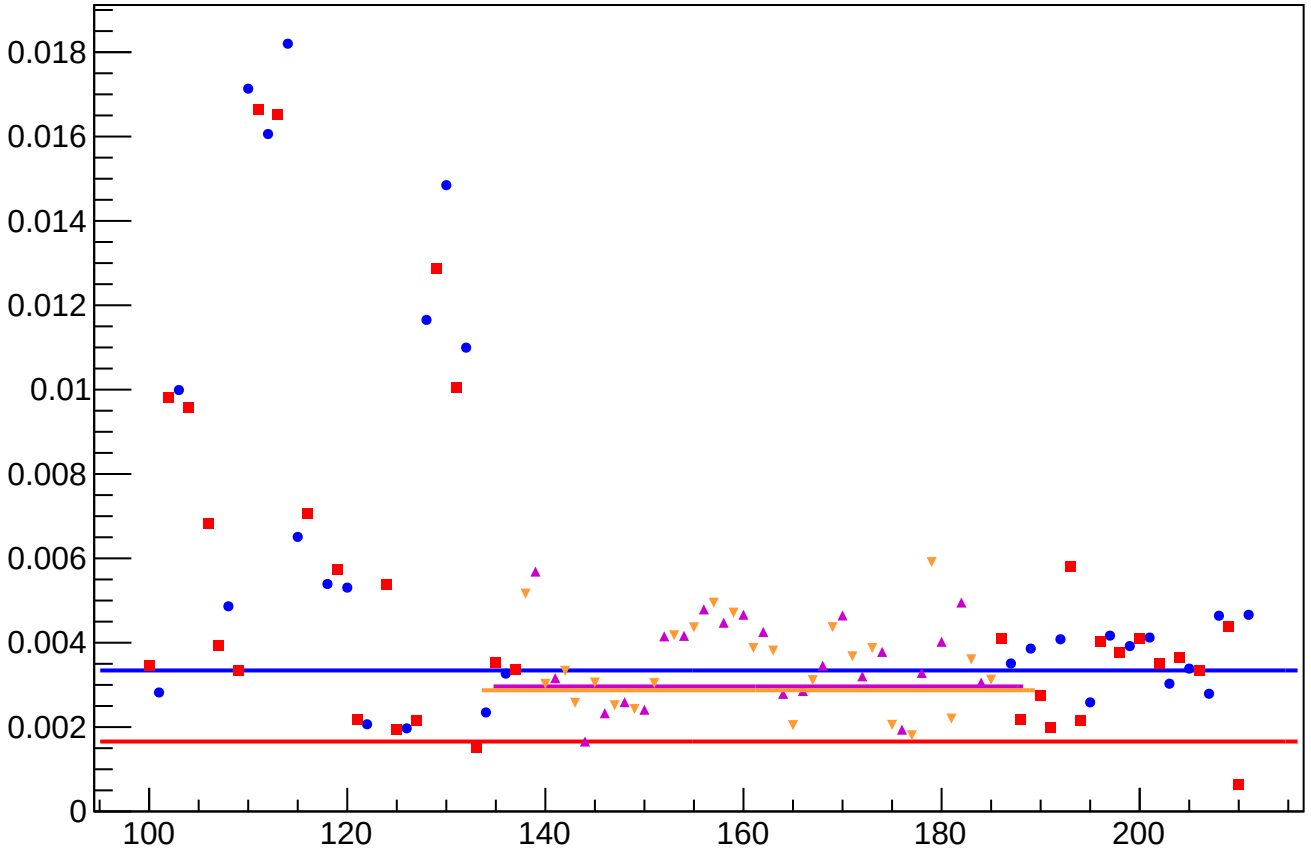
Left In: 0.000+/-0.000 χ^2/NDF:20.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 90.4/52

All: 0.000+/-0.000 χ^2/NDF: 144.7/108

- sign 0.000+/-0.000 χ^2/NDF: 54.3/55

asym_sam_26_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 5291442.0/27

Left Out: 0.003+/-0.000 χ^2/NDF:3602368.5/24

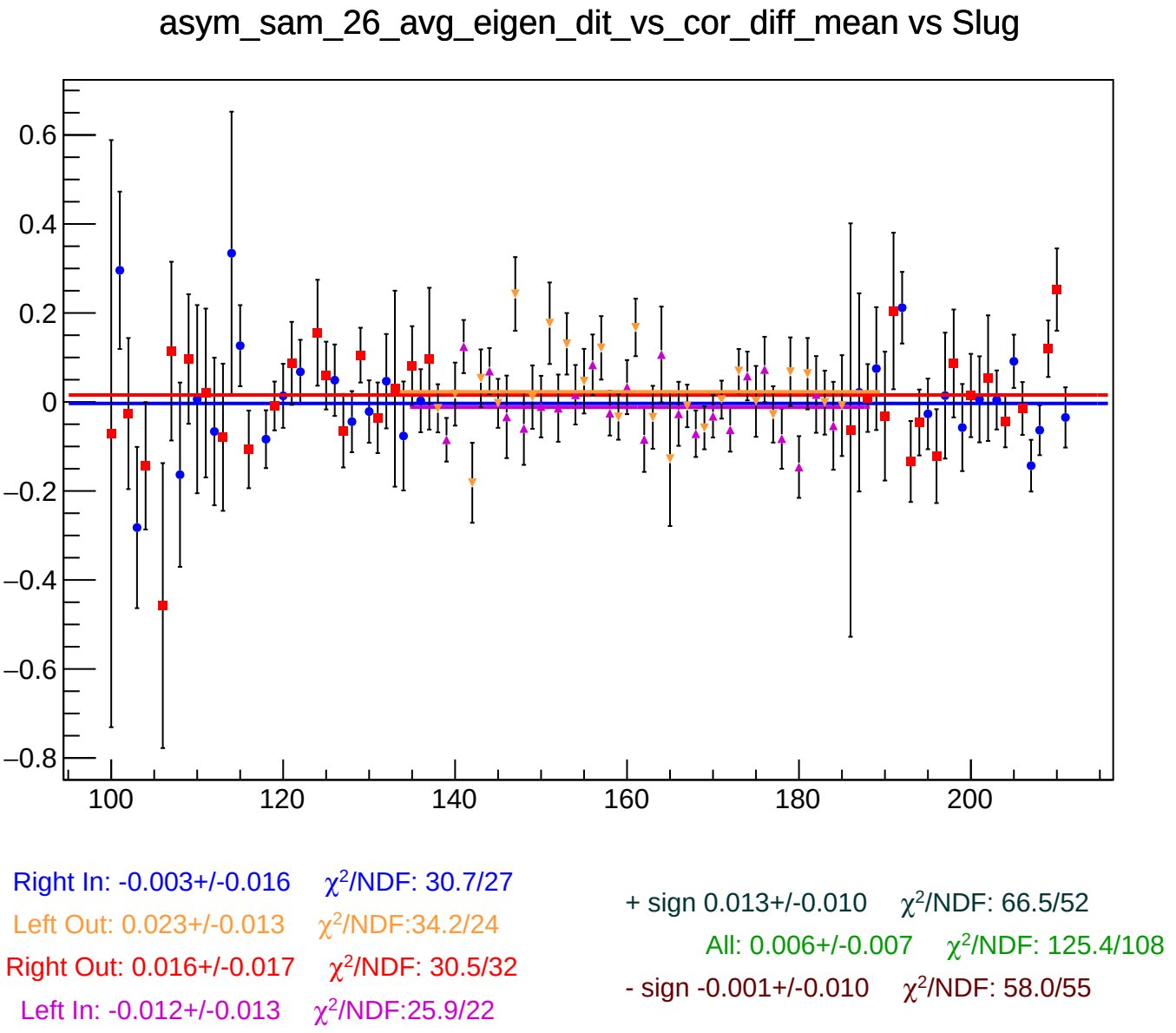
Right Out: 0.002+/-0.000 χ^2/NDF: 15289915.4/32

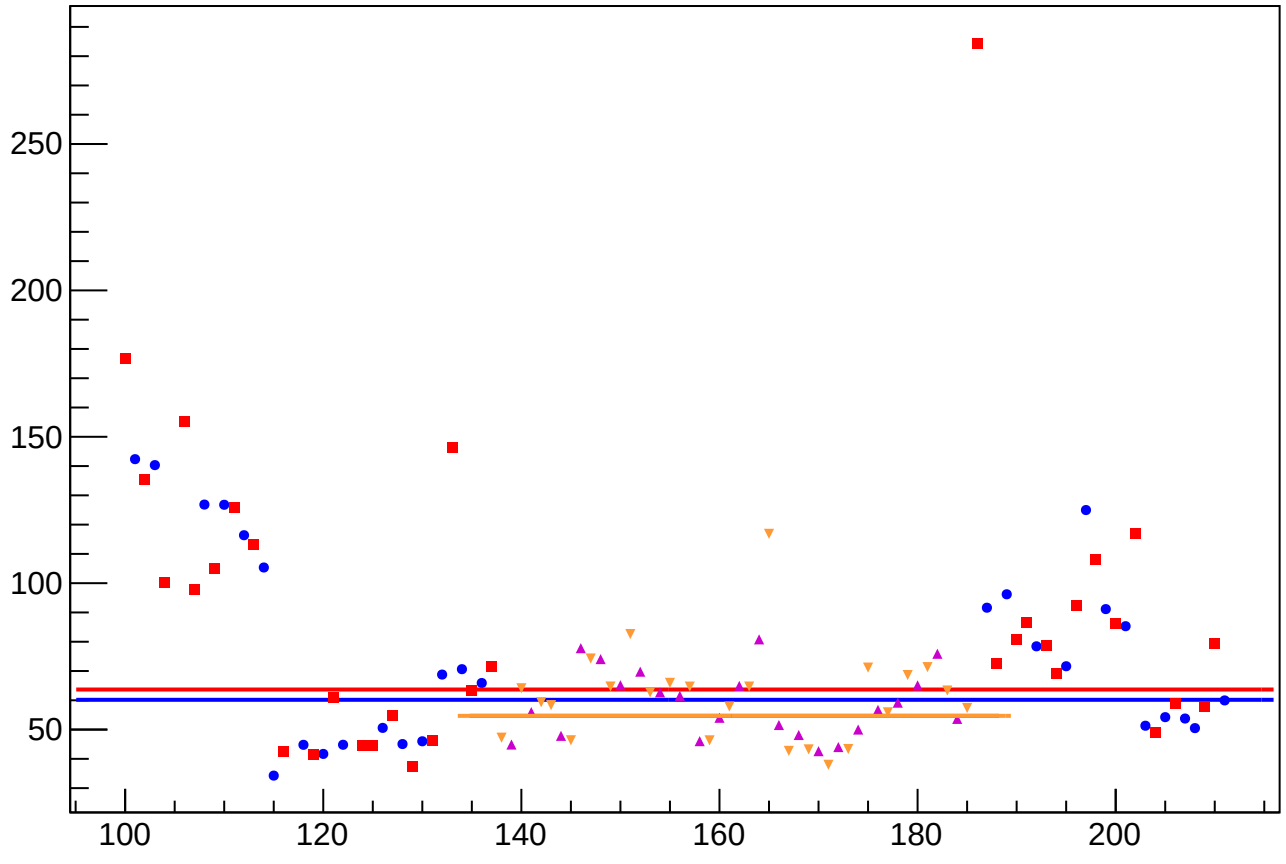
Left In: 0.003+/-0.000 χ^2/NDF:3619016.3/22

+ sign 0.003+/-0.000 χ^2/NDF: 9228225.1/52

All: 0.002+/-0.000 χ^2/NDF: 35556334.0/108

- sign 0.002+/-0.000 χ^2/NDF: 22869689.4/55


asym_sam_26_avg_eigen_dit_vs_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
Right In: -0.003+/-0.016 χ²/NDF: 30.7/27
Left Out: 0.023+/-0.013 χ²/NDF:34.2/24
Right Out: 0.016+/-0.017 χ²/NDF: 30.5/32
Left In: -0.012+/-0.013 χ²/NDF:25.9/22
+ sign 0.013+/-0.010 χ²/NDF: 66.5/52
All: 0.006+/-0.007 χ²/NDF: 125.4/108
- sign -0.001+/-0.010 χ²/NDF: 58.0/55



Right In: 60.165+/-0.011 χ^2/NDF: 3459107.0/27

Left Out: 54.686+/-0.009 χ^2/NDF:1936555.1/24

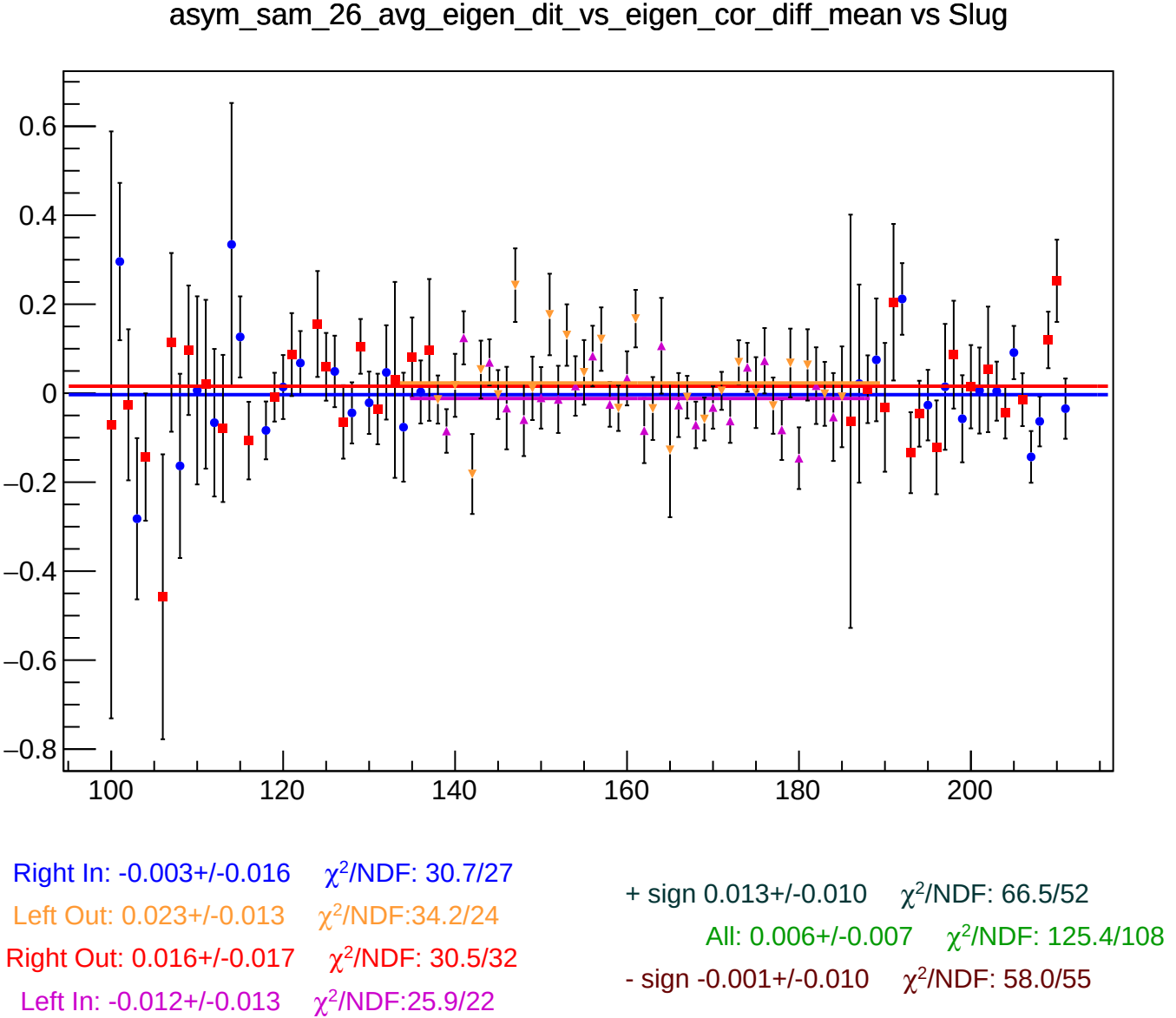
Right Out: 63.682+/-0.012 χ^2/NDF: 4366642.3/32

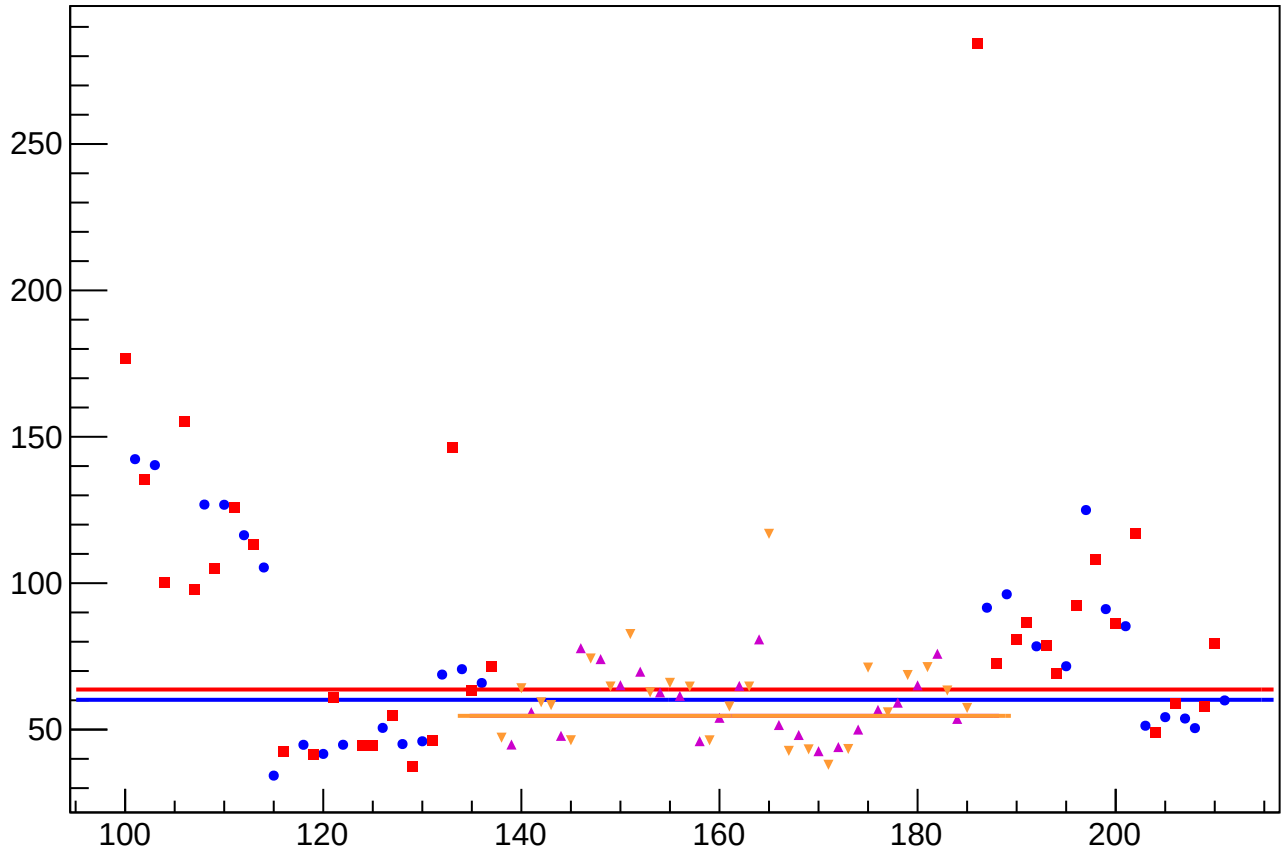
Left In: 54.689+/-0.009 χ^2/NDF:1190755.4/22

+ sign 56.818+/-0.007 χ^2/NDF: 5535360.1/52

All: 57.490+/-0.005 χ^2/NDF: 11469734.5/108

- sign 58.196+/-0.007 χ^2/NDF: 5916240.4/55


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
Right In: -0.003+/-0.016 χ²/NDF: 30.7/27
Left Out: 0.023+/-0.013 χ²/NDF:34.2/24
Right Out: 0.016+/-0.017 χ²/NDF: 30.5/32
Left In: -0.012+/-0.013 χ²/NDF:25.9/22
+ sign 0.013+/-0.010 χ²/NDF: 66.5/52
All: 0.006+/-0.007 χ²/NDF: 125.4/108
- sign -0.001+/-0.010 χ²/NDF: 58.0/55



Right In: 60.165+/-0.011 χ^2/NDF: 3459107.0/27

Left Out: 54.686+/-0.009 χ^2/NDF:1936555.1/24

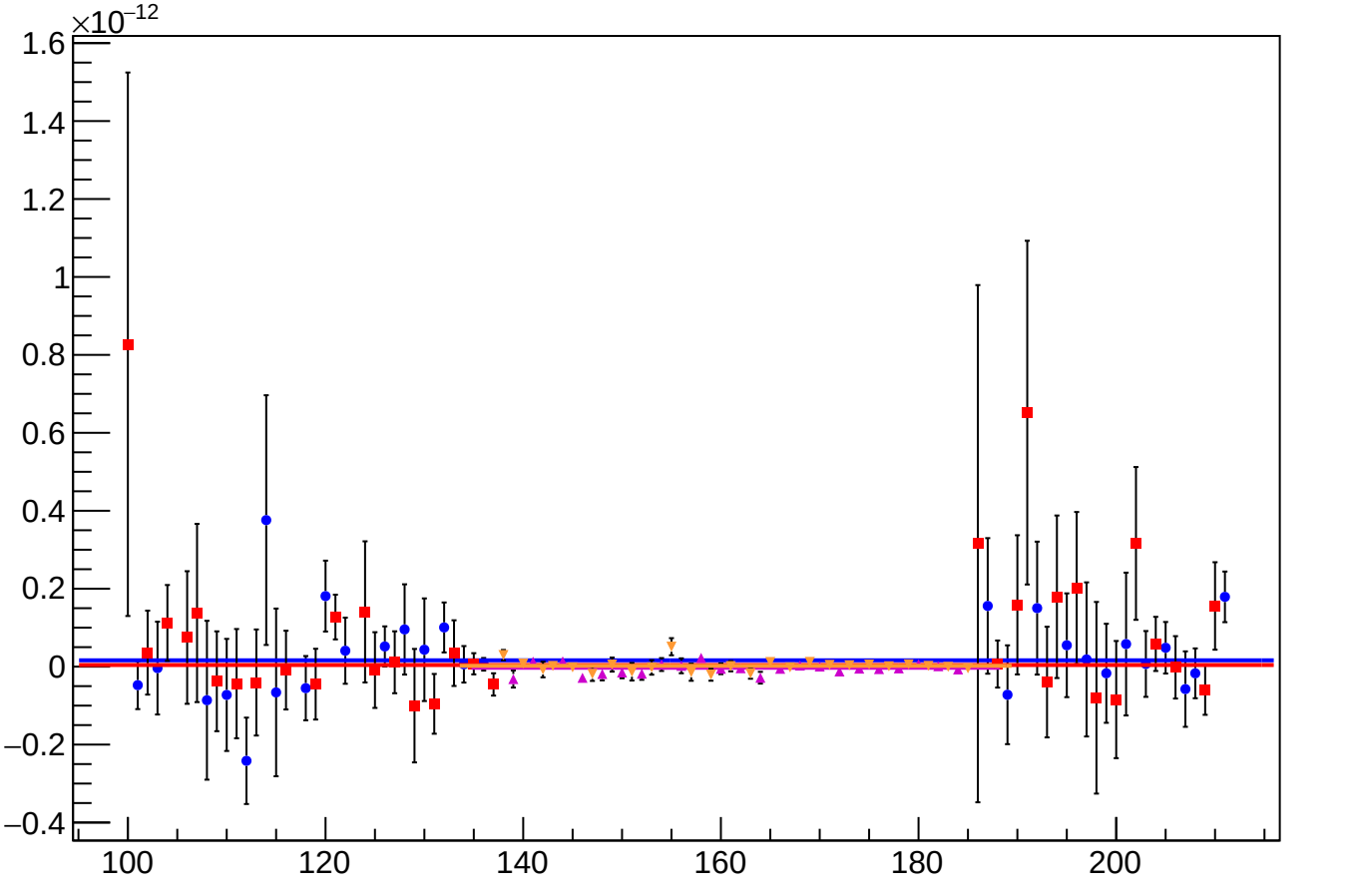
Right Out: 63.682+/-0.012 χ^2/NDF: 4366642.3/32

Left In: 54.689+/-0.009 χ^2/NDF:1190755.4/22

+ sign 56.818+/-0.007 χ^2/NDF: 5535360.1/52

All: 57.490+/-0.005 χ^2/NDF: 11469734.5/108

- sign 58.196+/-0.007 χ^2/NDF: 5916240.4/55



Right In: 0.000+/-0.000 χ^2/NDF: 25.2/27

Left Out: 0.000+/-0.000 χ^2/NDF:20.7/24

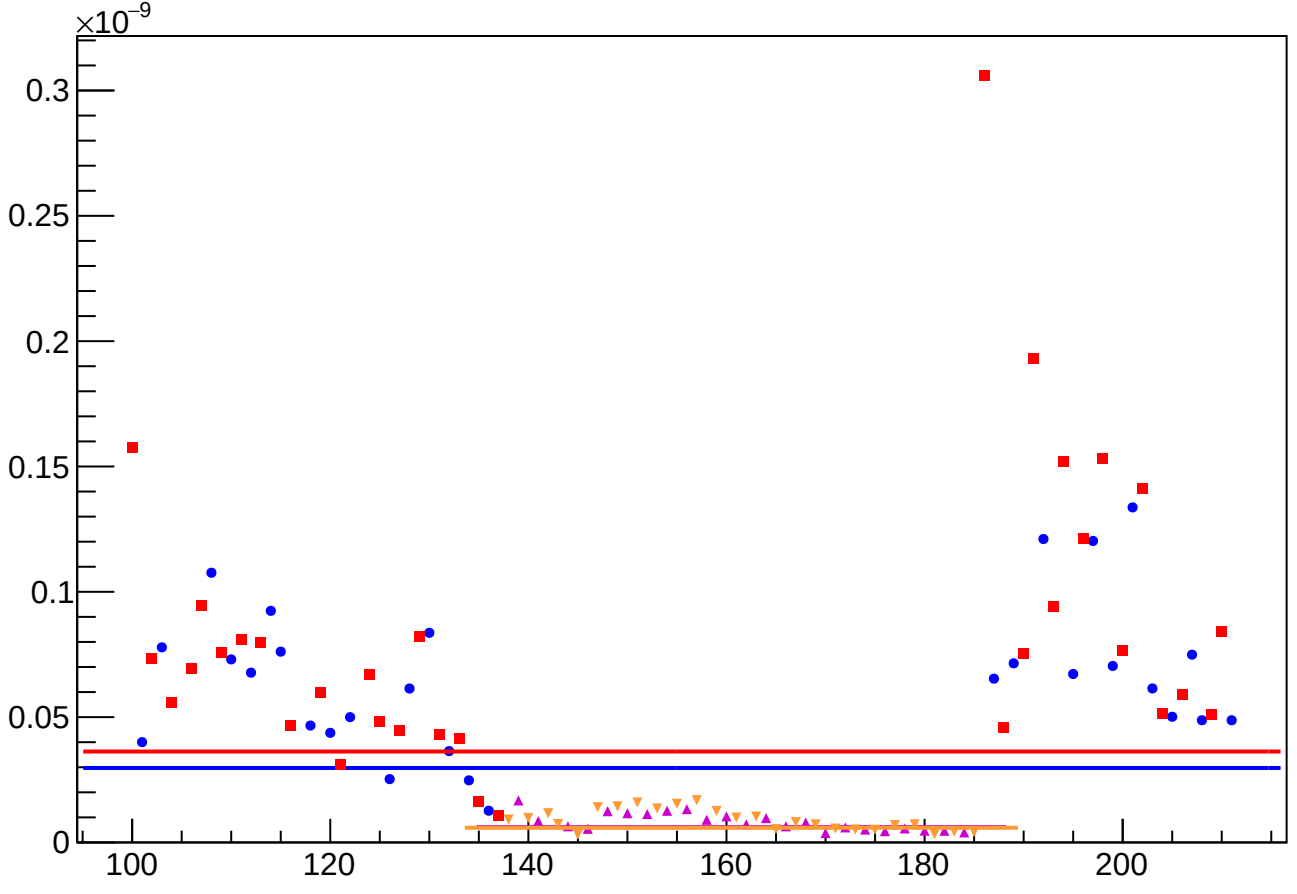
Right Out: 0.000+/-0.000 χ^2/NDF: 25.8/32

Left In: -0.000+/-0.000 χ^2/NDF:33.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 47.3/52

All: -0.000+/-0.000 χ^2/NDF: 110.3/108

- sign -0.000+/-0.000 χ^2/NDF: 59.1/55



Right In: 0.000+/-0.000 χ^2/NDF: 7833001.4/27

Left Out: 0.000+/-0.000 χ^2/NDF:5538819.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8310808.5/32

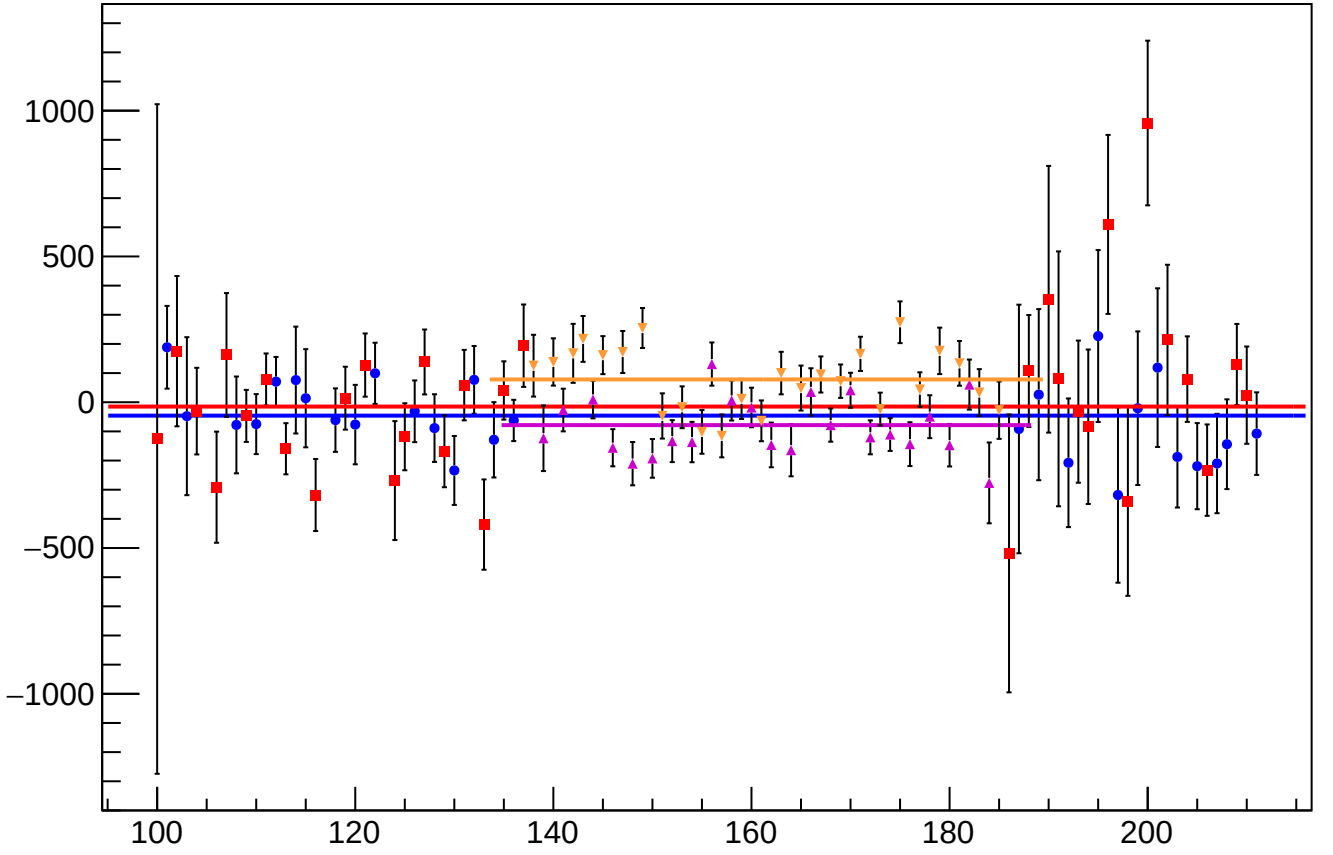
Left In: 0.000+/-0.000 χ^2/NDF:3304370.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 21385280.2/52

All: 0.000+/-0.000 χ^2/NDF: 42556659.5/108

- sign 0.000+/-0.000 χ^2/NDF: 21150225.4/55

reg_asym_sam_37_avg_mean vs Slug



Right In: -45.956+/-25.908 χ^2/NDF: 17.8/27

Left Out: 78.159+/-14.326 χ^2/NDF:53.9/24

Right Out: -14.853+/-25.564 χ^2/NDF: 54.2/32

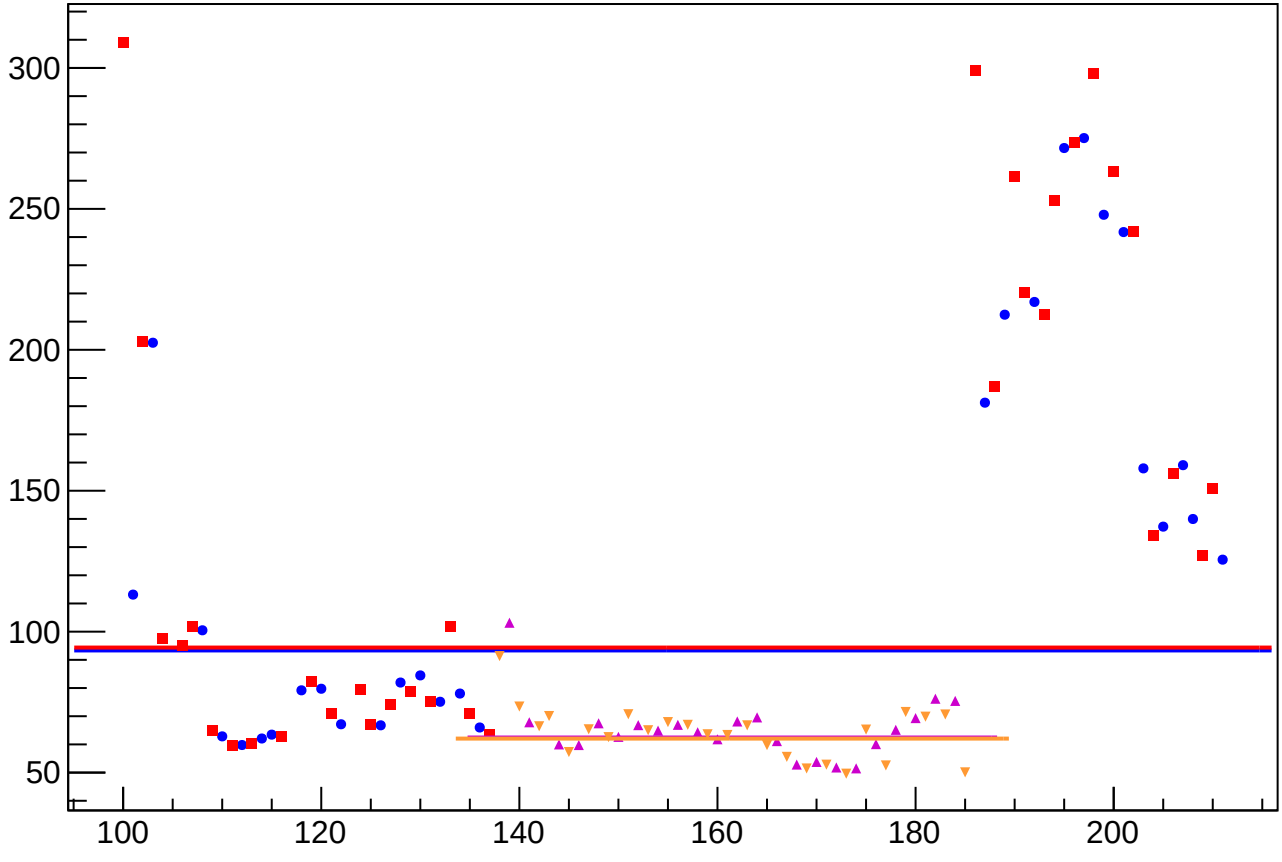
Left In: -78.506+/-14.811 χ^2/NDF:36.7/22

+ sign 49.096+/-12.537 χ^2/NDF: 89.2/52

All: -5.478+/-8.962 χ^2/NDF: 223.5/108

- sign -62.509+/-12.816 χ^2/NDF: 95.5/55

reg_asym_sam_37_avg_rms vs Slug



Right In: 93.337+/-0.018 χ^2/NDF: 6514830.9/27

Left Out: 62.063+/-0.010 χ^2/NDF:686530.2/24

Right Out: 94.360+/-0.018 χ^2/NDF: 8068300.3/32

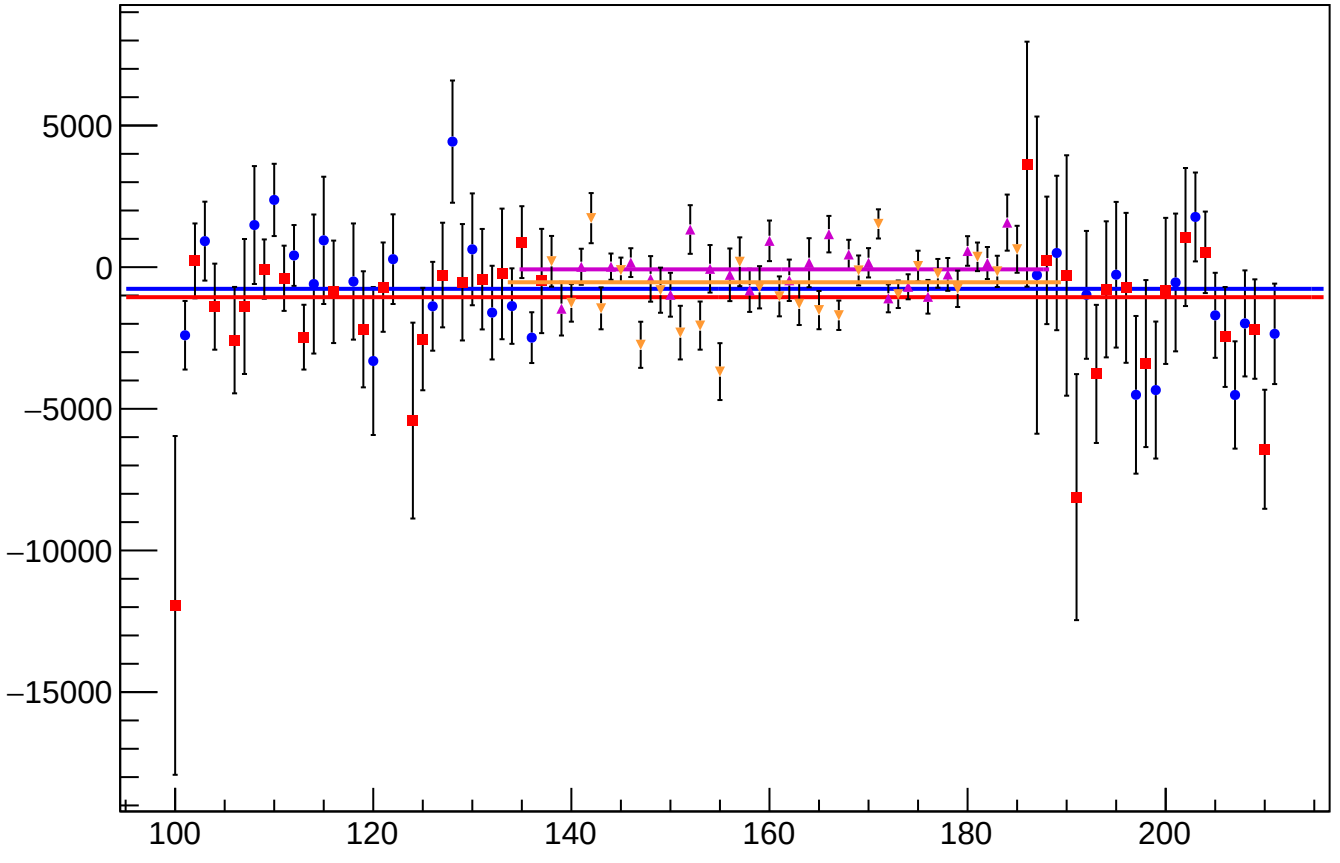
Left In: 62.445+/-0.010 χ^2/NDF:664644.9/22

+ sign 69.386+/-0.009 χ^2/NDF: 9433352.4/52

All: 69.914+/-0.006 χ^2/NDF: 20507312.4/108

- sign 70.466+/-0.009 χ^2/NDF: 11066697.5/55

asym_sam_37_avg_reg_correction_mean vs Slug



Right In: -764.701+/-319.011 χ^2/NDF: 36.7/27

Left Out: -532.779+/-127.927 χ^2/NDF:69.1/24

Right Out: -1059.733+/-318.605 χ^2/NDF: 28.9/32

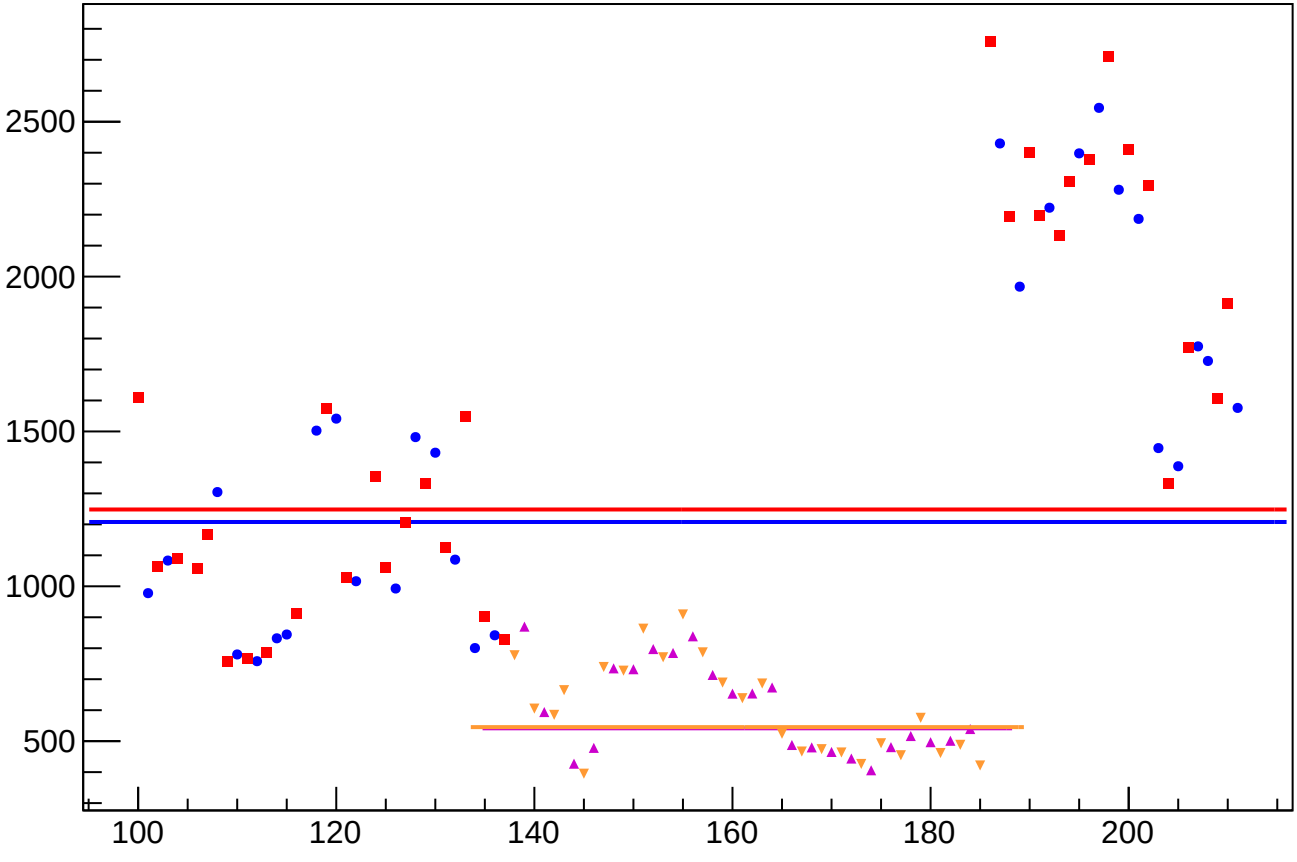
Left In: -77.393+/-130.317 χ^2/NDF:28.4/22

+ sign -564.907+/-118.735 χ^2/NDF: 106.3/52

All: -394.272+/-84.616 χ^2/NDF: 175.9/108

- sign -218.185+/-120.618 χ^2/NDF: 65.4/55

asym_sam_37_avg_reg_correction_rms vs Slug



Right In: 1207.645+/-0.226 χ^2/NDF: 4253887.2/27

Left Out: 545.304+/-0.090 χ^2/NDF:2083690.3/24

Right Out: 1248.028+/-0.225 χ^2/NDF: 5276854.3/32

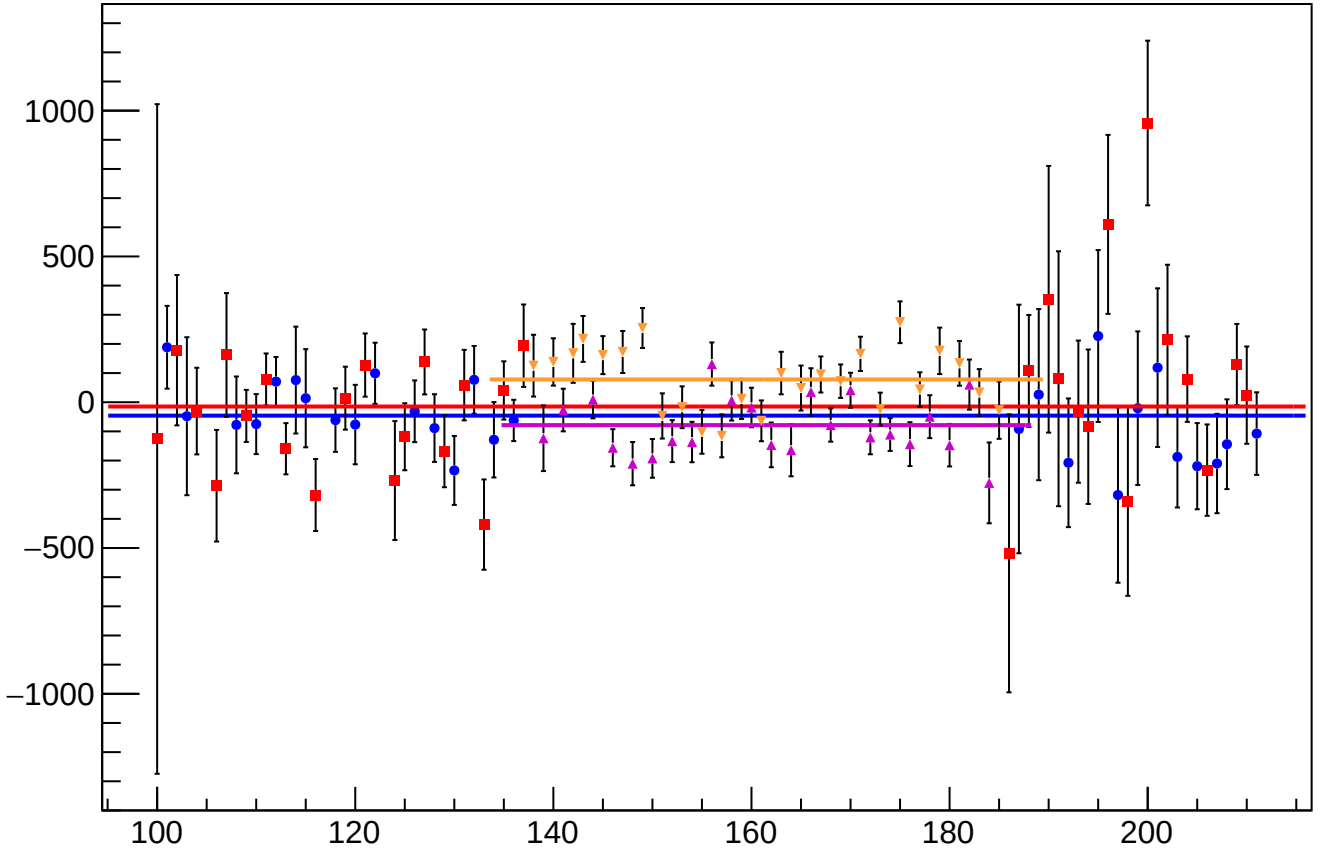
Left In: 541.458+/-0.092 χ^2/NDF:1840342.7/22

+ sign 637.059+/-0.084 χ^2/NDF: 13764701.5/52

All: 639.848+/-0.060 χ^2/NDF: 29310735.0/10

- sign 642.725+/-0.085 χ^2/NDF: 15543792.1/55

cor_asym_sam_37_avg_mean vs Slug



Right In: -45.965+/-25.908 χ^2/NDF: 17.8/27

Left Out: 78.162+/-14.326 χ^2/NDF:53.9/24

Right Out: -14.689+/-25.566 χ^2/NDF: 54.1/32

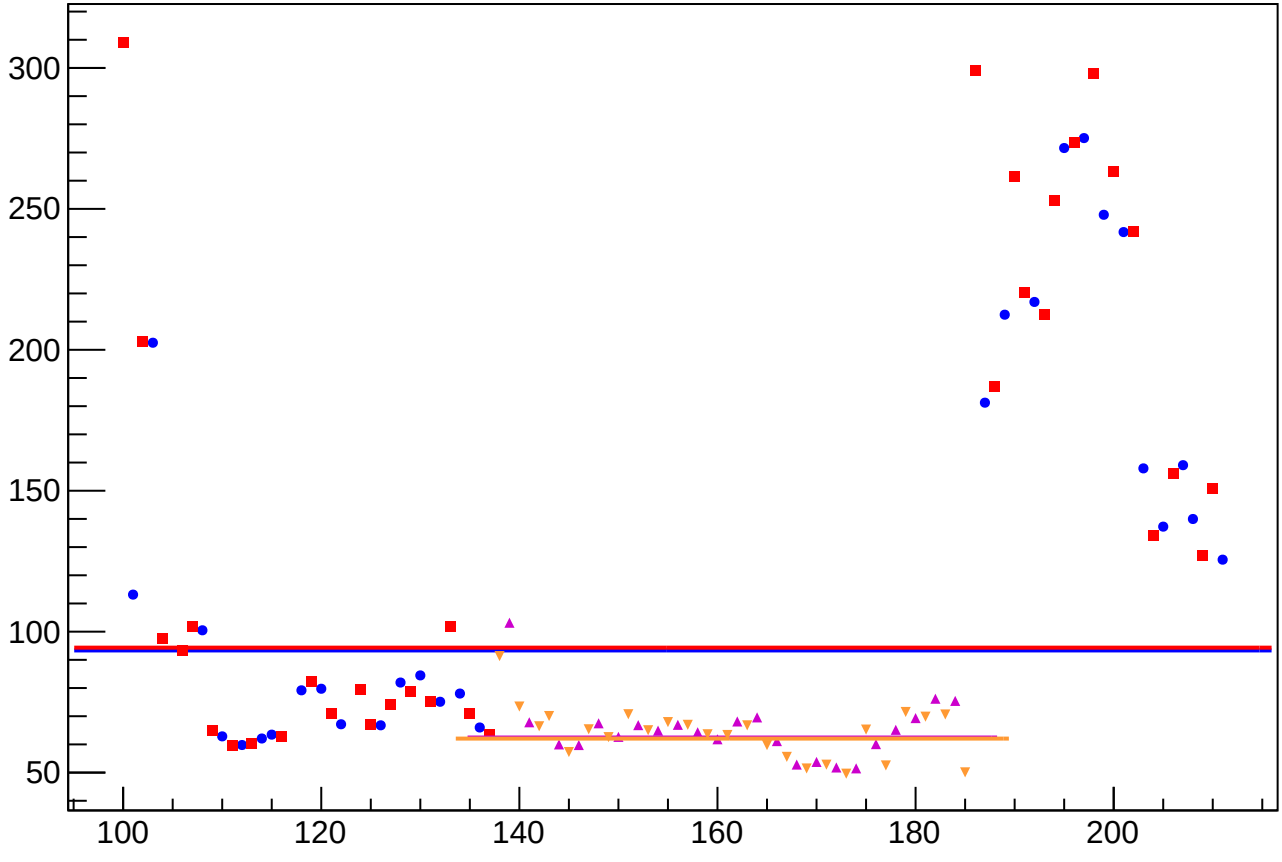
Left In: -78.506+/-14.811 χ^2/NDF:36.7/22

+ sign 49.097+/-12.537 χ^2/NDF: 89.3/52

All: -5.457+/-8.962 χ^2/NDF: 223.4/108

- sign -62.470+/-12.816 χ^2/NDF: 95.4/55

cor_asym_sam_37_avg_rms vs Slug



Right In: 93.337+/-0.018 χ^2/NDF: 6514833.3/27

Left Out: 62.063+/-0.010 χ^2/NDF:686530.2/24

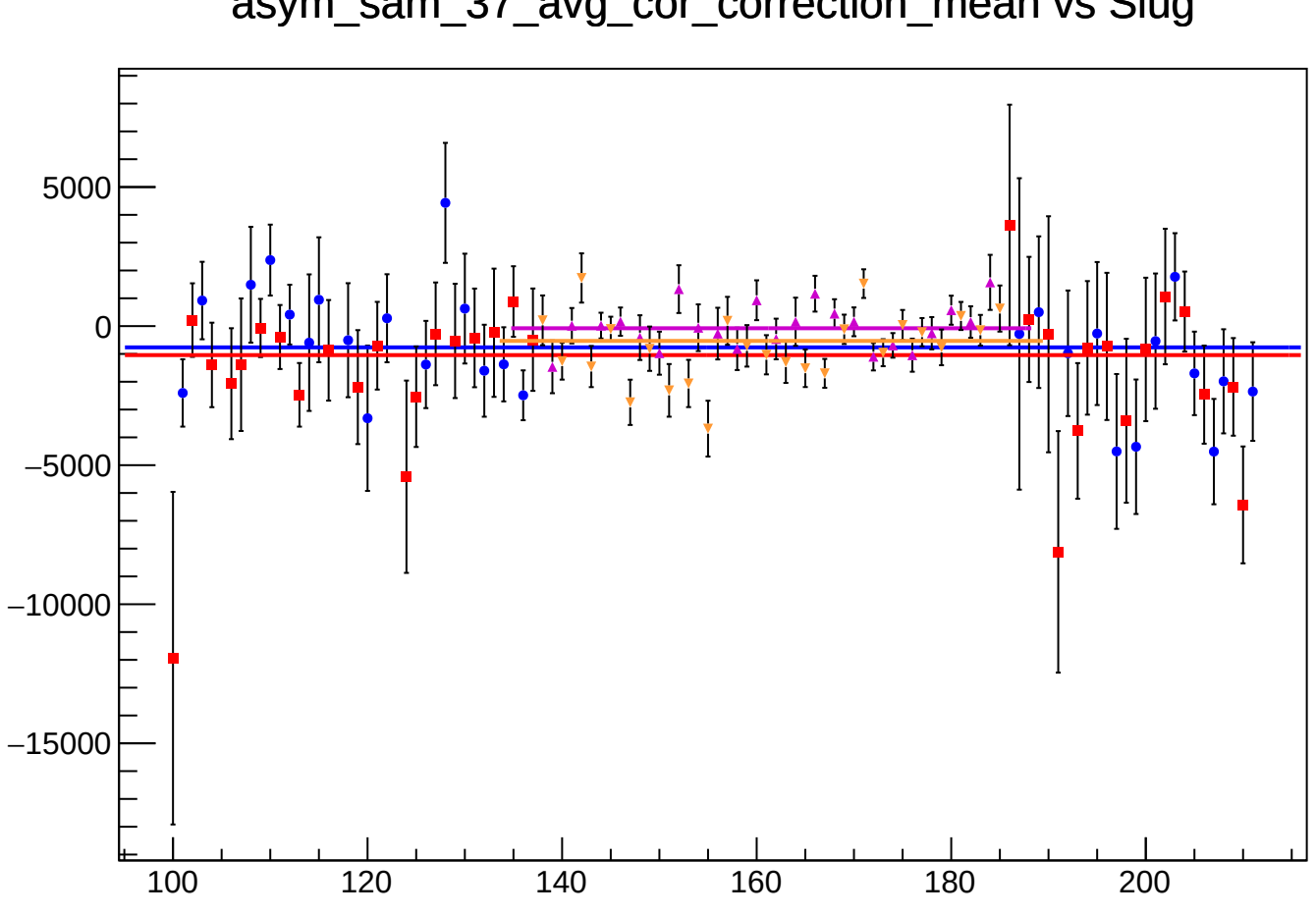
Right Out: 94.329+/-0.018 χ^2/NDF: 8068554.5/32

Left In: 62.445+/-0.010 χ^2/NDF:664644.9/22

+ sign 69.386+/-0.009 χ^2/NDF: 9433354.3/52

All: 69.910+/-0.006 χ^2/NDF: 20502718.8/108

- sign 70.457+/-0.009 χ^2/NDF: 11062217.7/55



Right In: -764.695+/-319.013 χ^2/NDF: 36.7/27

Left Out: -532.776+/-127.927 χ^2/NDF:69.1/24

Right Out: -1042.362+/-319.140 χ^2/NDF: 28.5/32

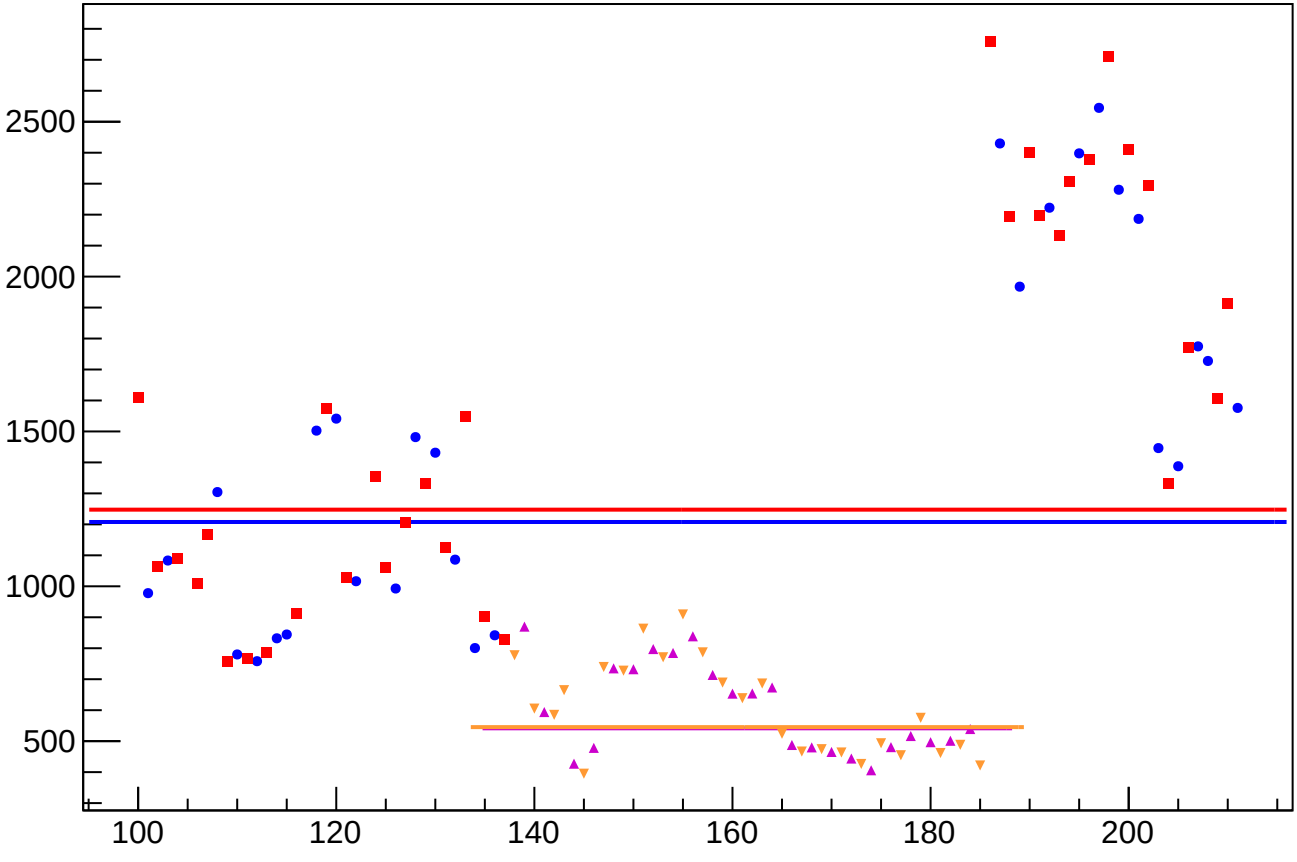
Left In: -77.392+/-130.317 χ^2/NDF:28.4/22

+ sign -564.904+/-118.735 χ^2/NDF: 106.3/52

All: -392.892+/-84.626 χ^2/NDF: 175.3/108

- sign -215.298+/-120.647 χ^2/NDF: 64.7/55

asym_sam_37_avg_cor_correction_rms vs Slug



Right In: 1207.652+/-0.226 χ^2/NDF: 4253861.1/27

Left Out: 545.304+/-0.090 χ^2/NDF:2083686.2/24

Right Out: 1247.480+/-0.226 χ^2/NDF: 5284530.9/32

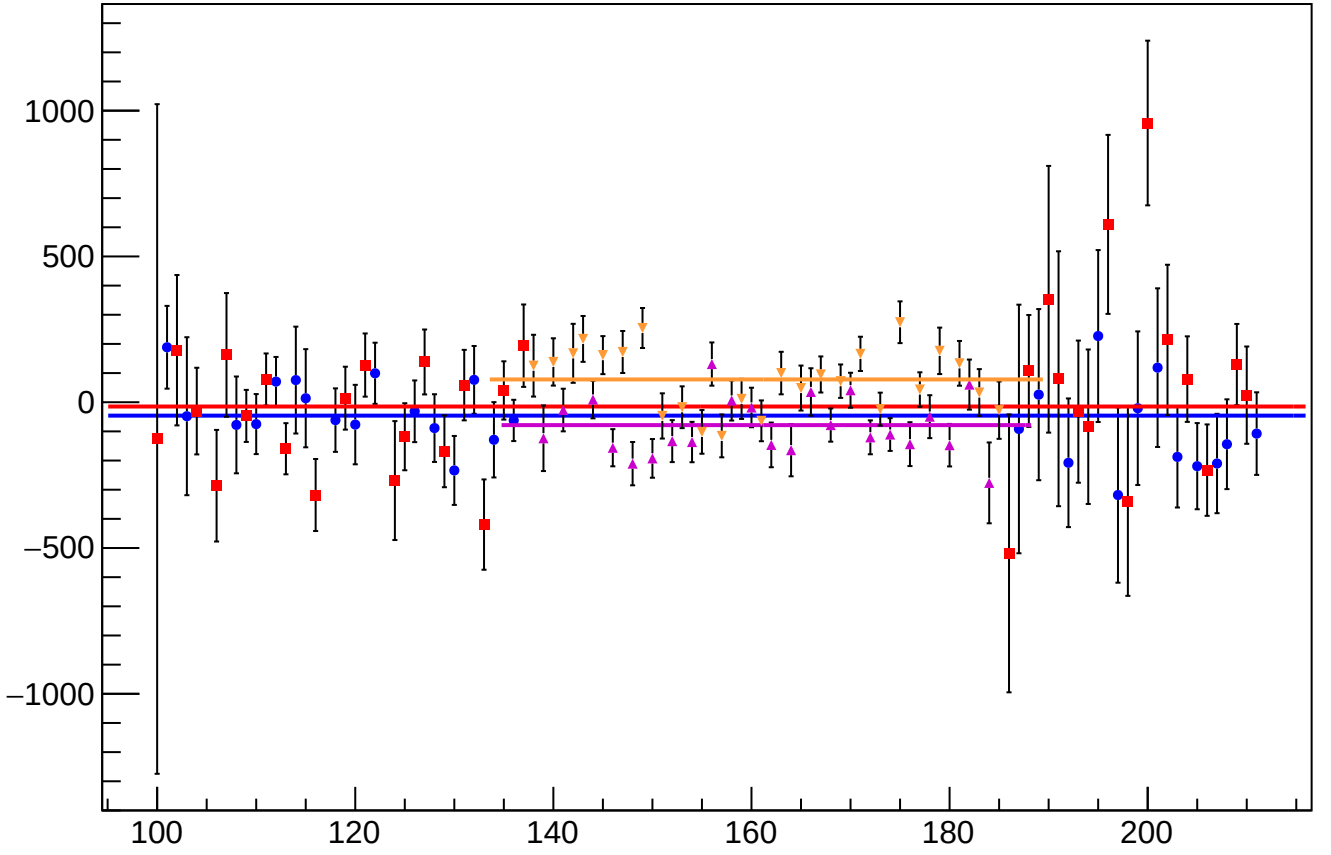
Left In: 541.458+/-0.092 χ^2/NDF:1840342.7/22

+ sign 637.059+/-0.084 χ^2/NDF: 13764757.0/52

All: 639.666+/-0.060 χ^2/NDF: 29280965.2/10

- sign 642.357+/-0.085 χ^2/NDF: 15514249.6/55

eigen_cor_asym_sam_37_avg_mean vs Slug



Right In: -45.965+/-25.908 χ^2/NDF: 17.8/27

Left Out: 78.162+/-14.326 χ^2/NDF:53.9/24

Right Out: -14.689+/-25.566 χ^2/NDF: 54.1/32

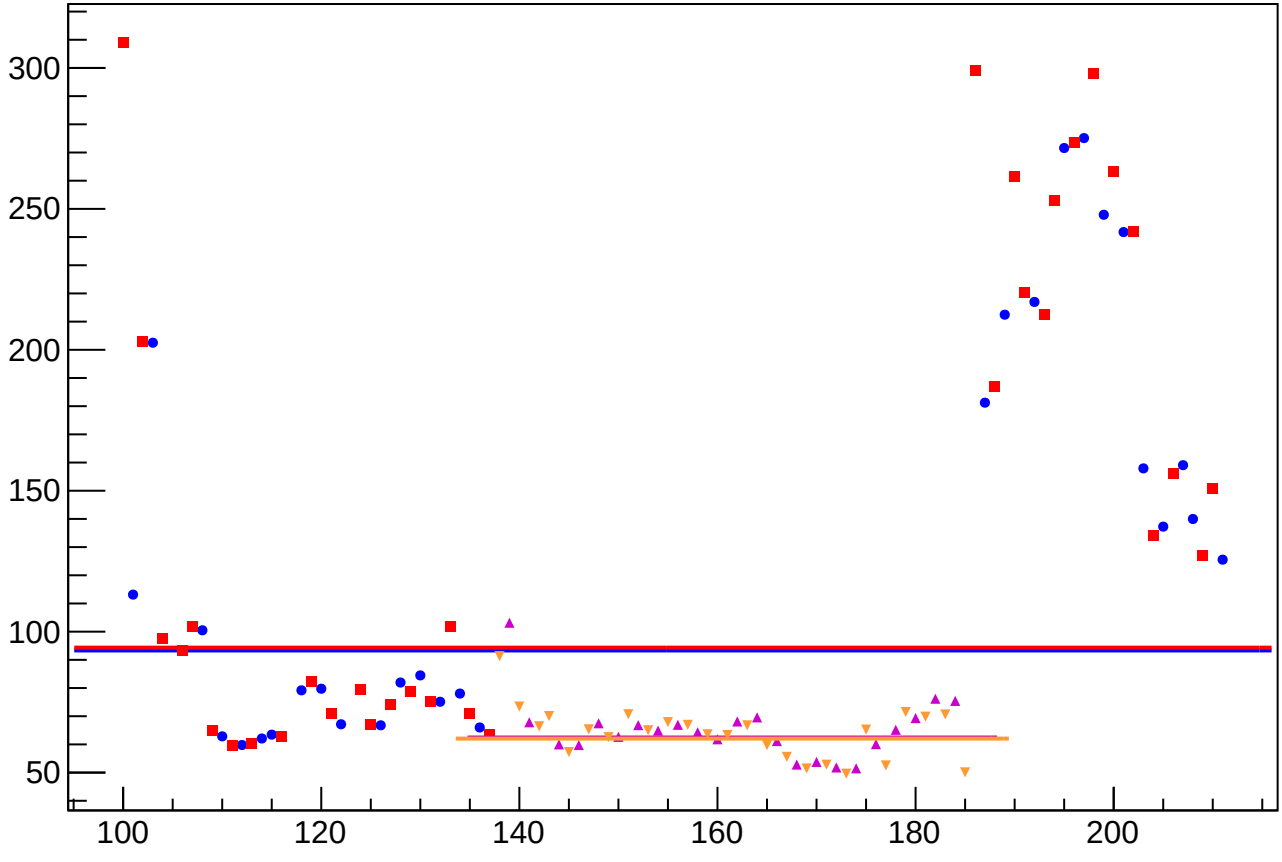
Left In: -78.506+/-14.811 χ^2/NDF:36.7/22

+ sign 49.097+/-12.537 χ^2/NDF: 89.3/52

All: -5.457+/-8.962 χ^2/NDF: 223.4/108

- sign -62.470+/-12.816 χ^2/NDF: 95.4/55

eigen_cor_asym_sam_37_avg_rms vs Slug



Right In: 93.337+/-0.018 χ^2/NDF: 6514833.3/27

Left Out: 62.063+/-0.010 χ^2/NDF:686530.2/24

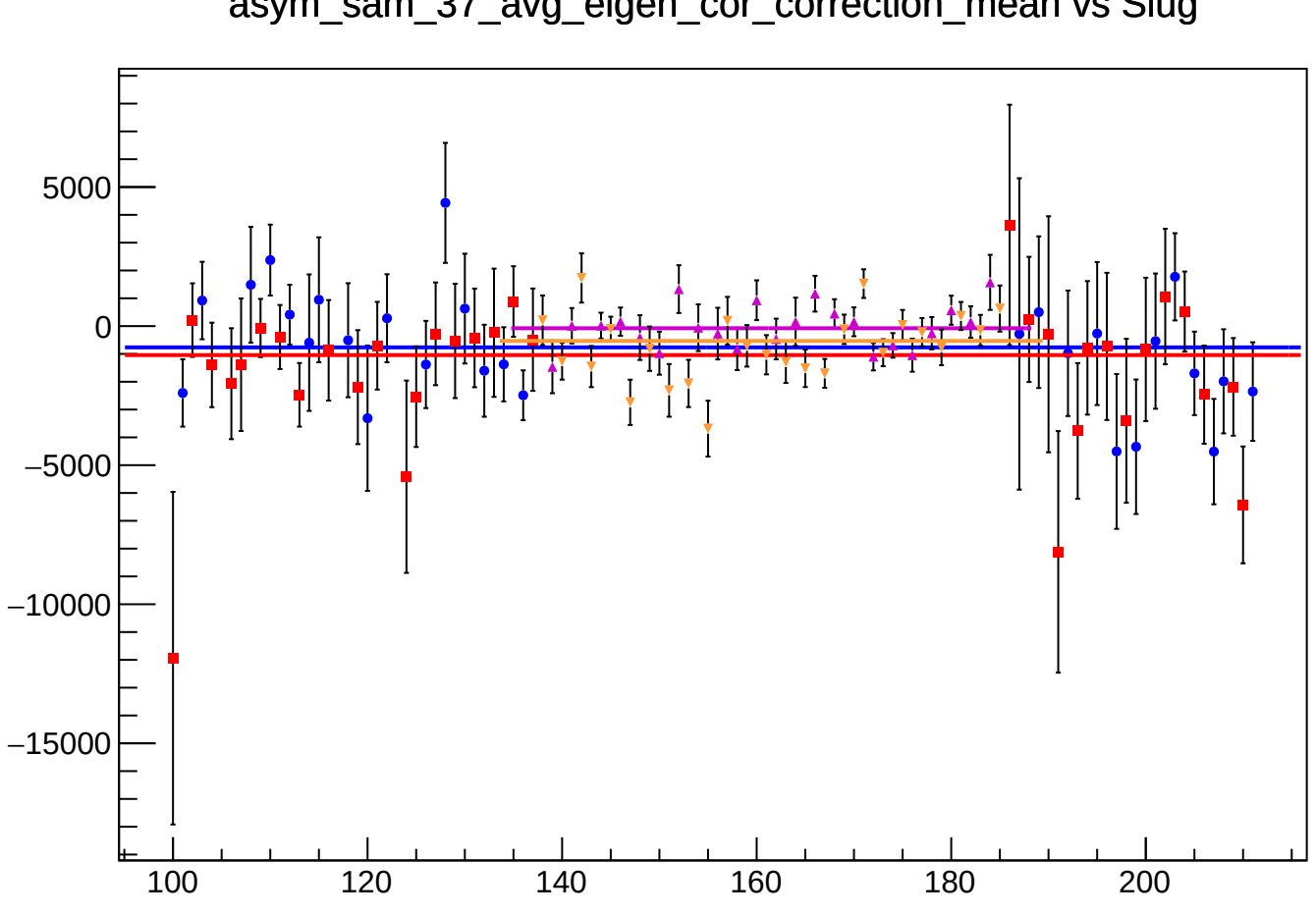
Right Out: 94.329+/-0.018 χ^2/NDF: 8068554.5/32

Left In: 62.445+/-0.010 χ^2/NDF:664644.9/22

+ sign 69.386+/-0.009 χ^2/NDF: 9433354.3/52

All: 69.910+/-0.006 χ^2/NDF: 20502718.8/108

- sign 70.457+/-0.009 χ^2/NDF: 11062217.7/55



Right In: -764.695+/-319.013 χ^2/NDF: 36.7/27

Left Out: -532.776+/-127.927 χ^2/NDF:69.1/24

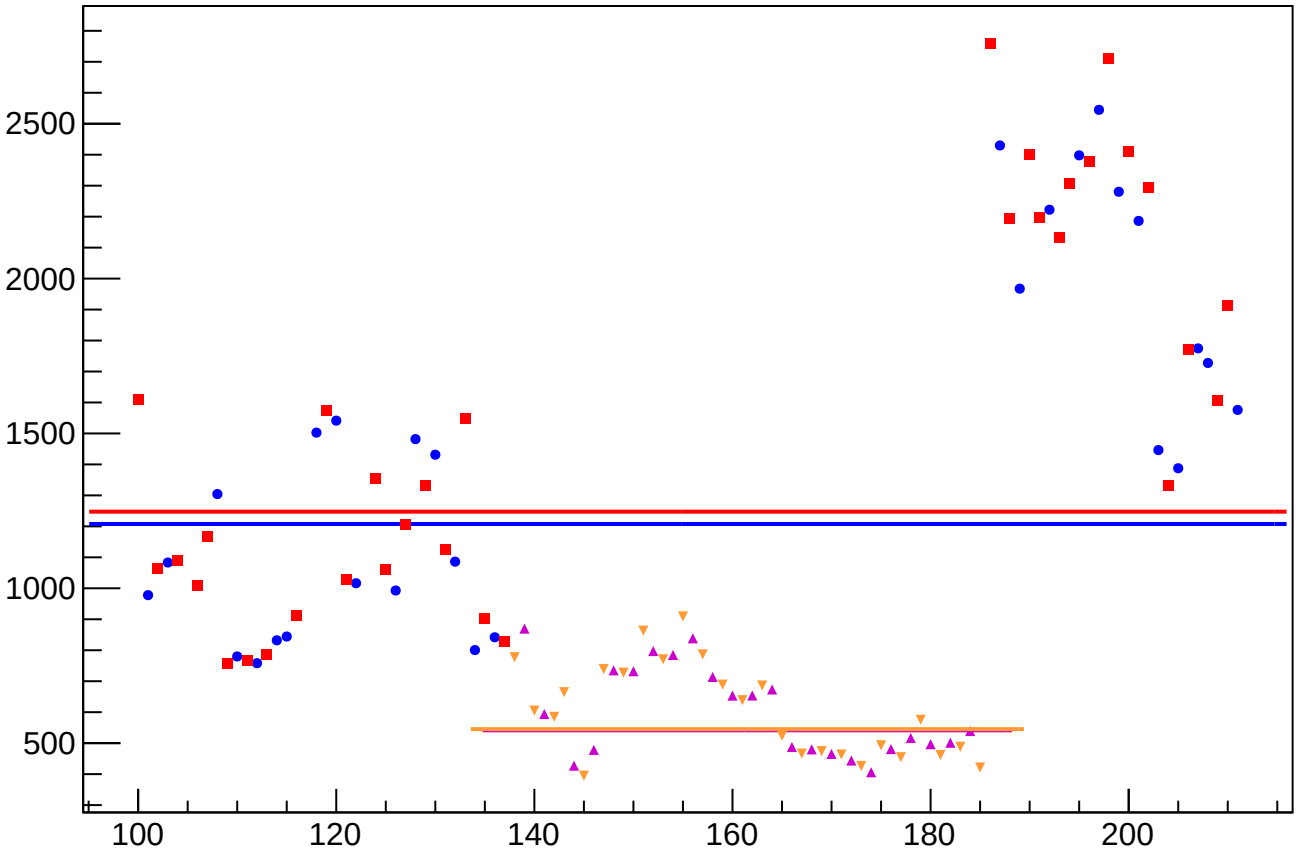
Right Out: -1042.362+/-319.140 χ^2/NDF: 28.5/32

Left In: -77.392+/-130.317 χ^2/NDF:28.4/22

+ sign -564.904+/-118.735 χ^2/NDF: 106.3/52

All: -392.892+/-84.626 χ^2/NDF: 175.3/108

- sign -215.298+/-120.647 χ^2/NDF: 64.7/55



Right In: 1207.652+/-0.226 χ^2/NDF: 4253861.1/27

Left Out: 545.304+/-0.090 χ^2/NDF:2083686.2/24

Right Out: 1247.480+/-0.226 χ^2/NDF: 5284530.9/32

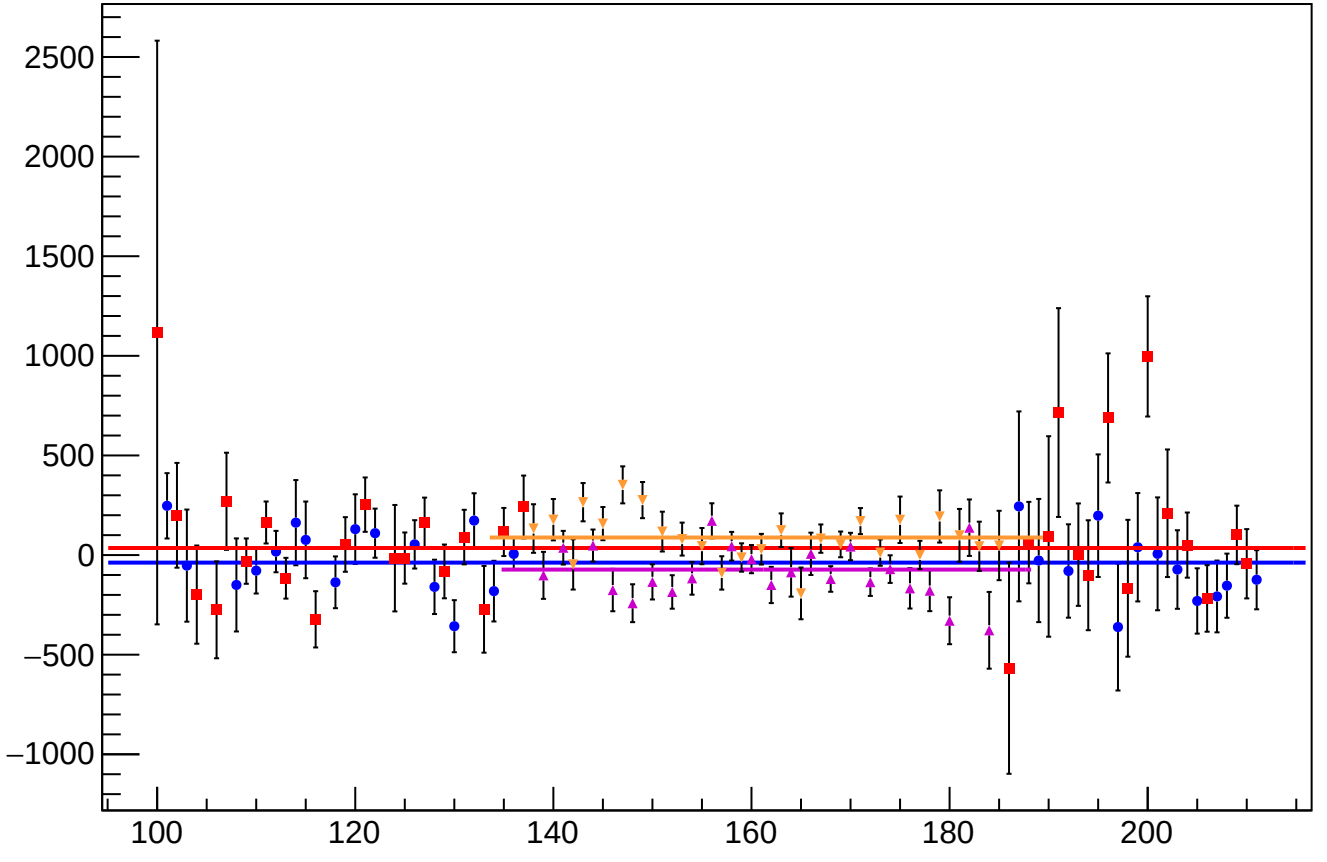
Left In: 541.458+/-0.092 χ^2/NDF:1840342.7/22

+ sign 637.059+/-0.084 χ^2/NDF: 13764757.0/52

All: 639.666+/-0.060 χ^2/NDF: 29280965.2/10

- sign 642.357+/-0.085 χ^2/NDF: 15514249.6/55

dit_asym_sam_37_avg_mean vs Slug



Right In: -37.934+/-29.689 χ^2/NDF: 24.0/27

Left Out: 88.040+/-17.745 χ^2/NDF:36.9/24

Right Out: 35.445+/-29.933 χ^2/NDF: 44.5/32

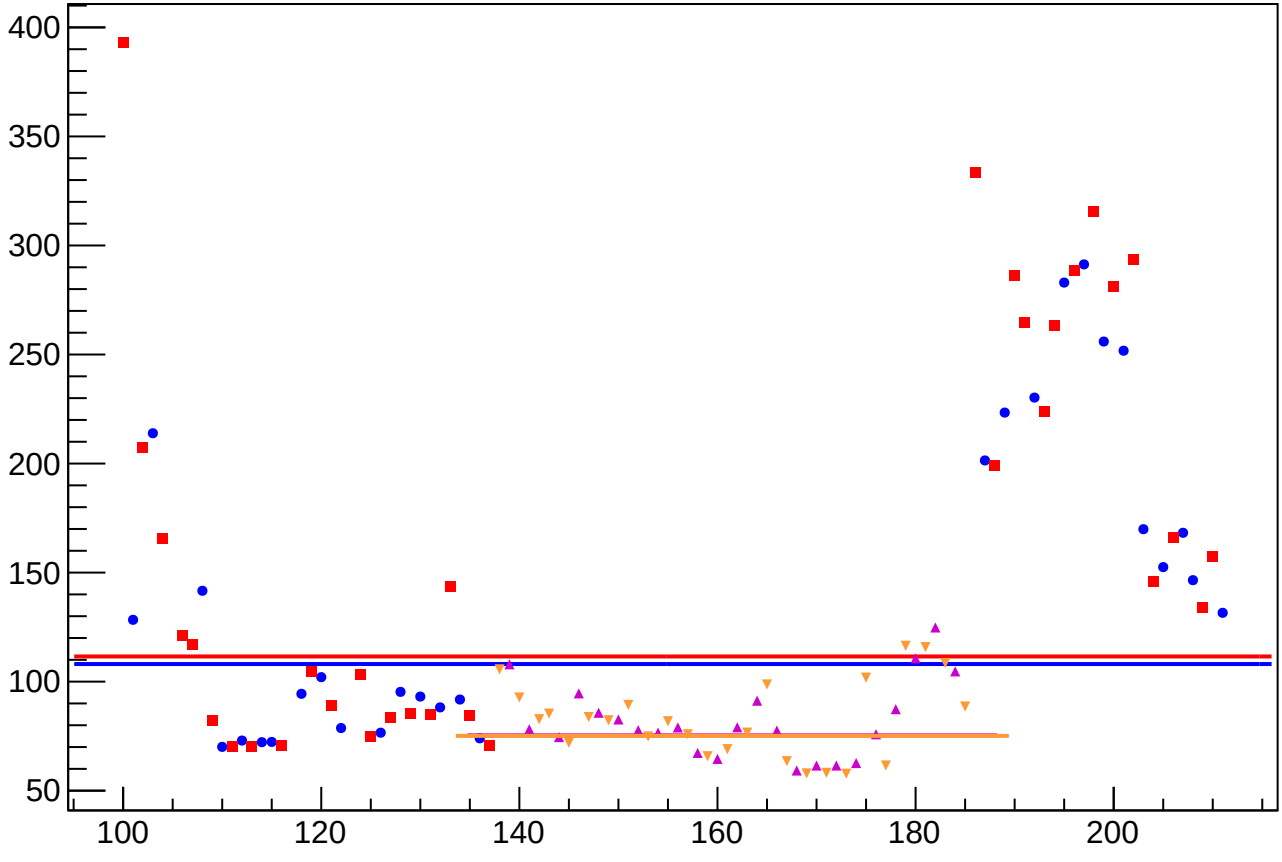
Left In: -72.849+/-18.276 χ^2/NDF:38.4/22

+ sign 54.883+/-15.231 χ^2/NDF: 74.1/52

All: 6.891+/-10.898 χ^2/NDF: 187.0/108

- sign -43.441+/-15.598 χ^2/NDF: 92.5/55

dit_asym_sam_37_avg_rms vs Slug



Right In: 108.068+/-0.021 χ^2/NDF: 5716709.5/27

Left Out: 75.128+/-0.013 χ^2/NDF:1601461.8/24

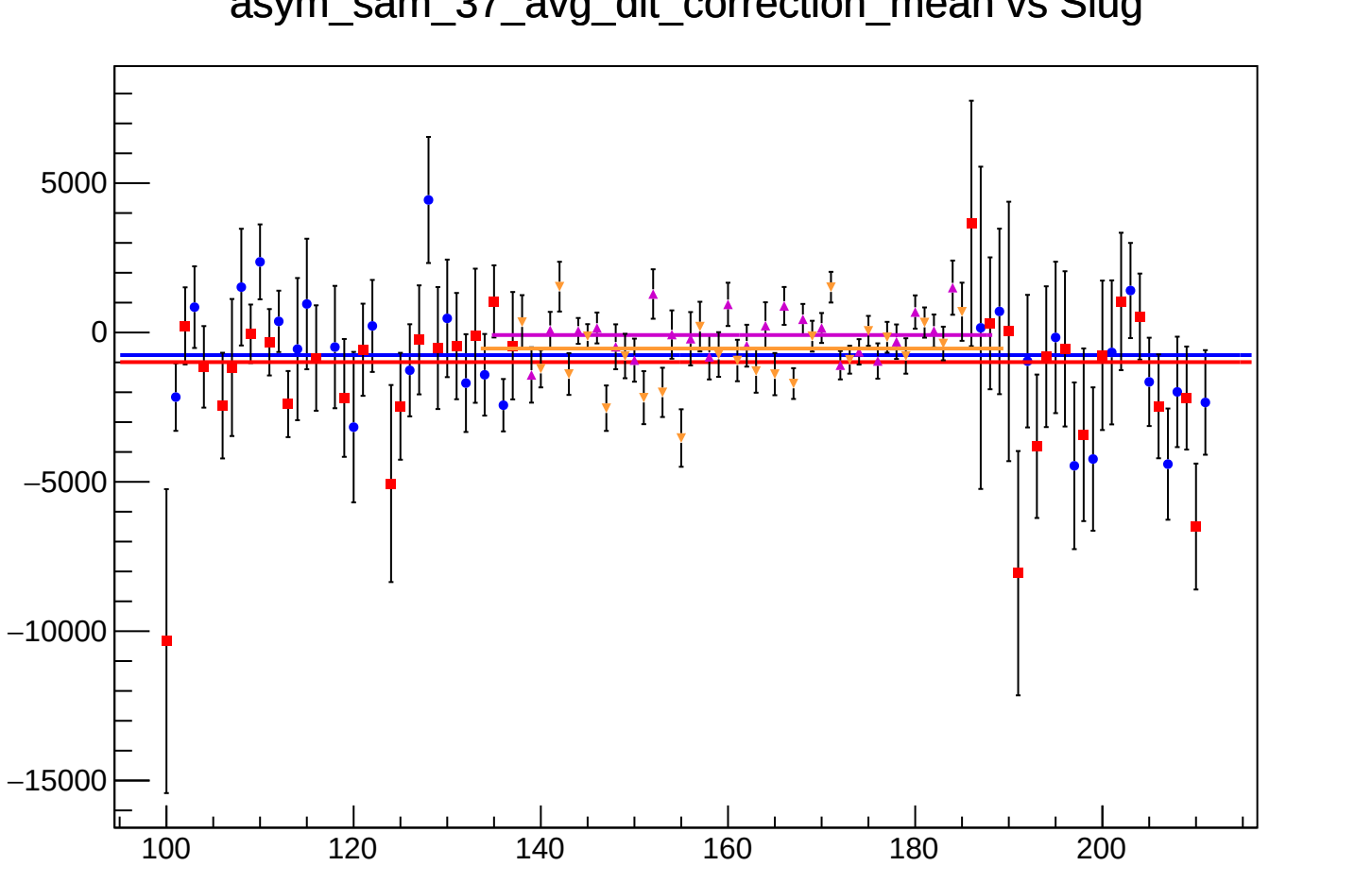
Right Out: 111.537+/-0.021 χ^2/NDF: 7297508.8/32

Left In: 75.363+/-0.013 χ^2/NDF:1225318.4/22

+ sign 83.798+/-0.011 χ^2/NDF: 9132179.7/52

All: 84.476+/-0.008 χ^2/NDF: 19790965.2/108

- sign 85.186+/-0.011 χ^2/NDF: 10650673.2/55



Right In: -756.347+/-312.540 χ^2/NDF: 36.0/27

Left Out: -536.789+/-124.471 χ^2/NDF:67.0/24

Right Out: -991.462+/-308.176 χ^2/NDF: 30.6/32

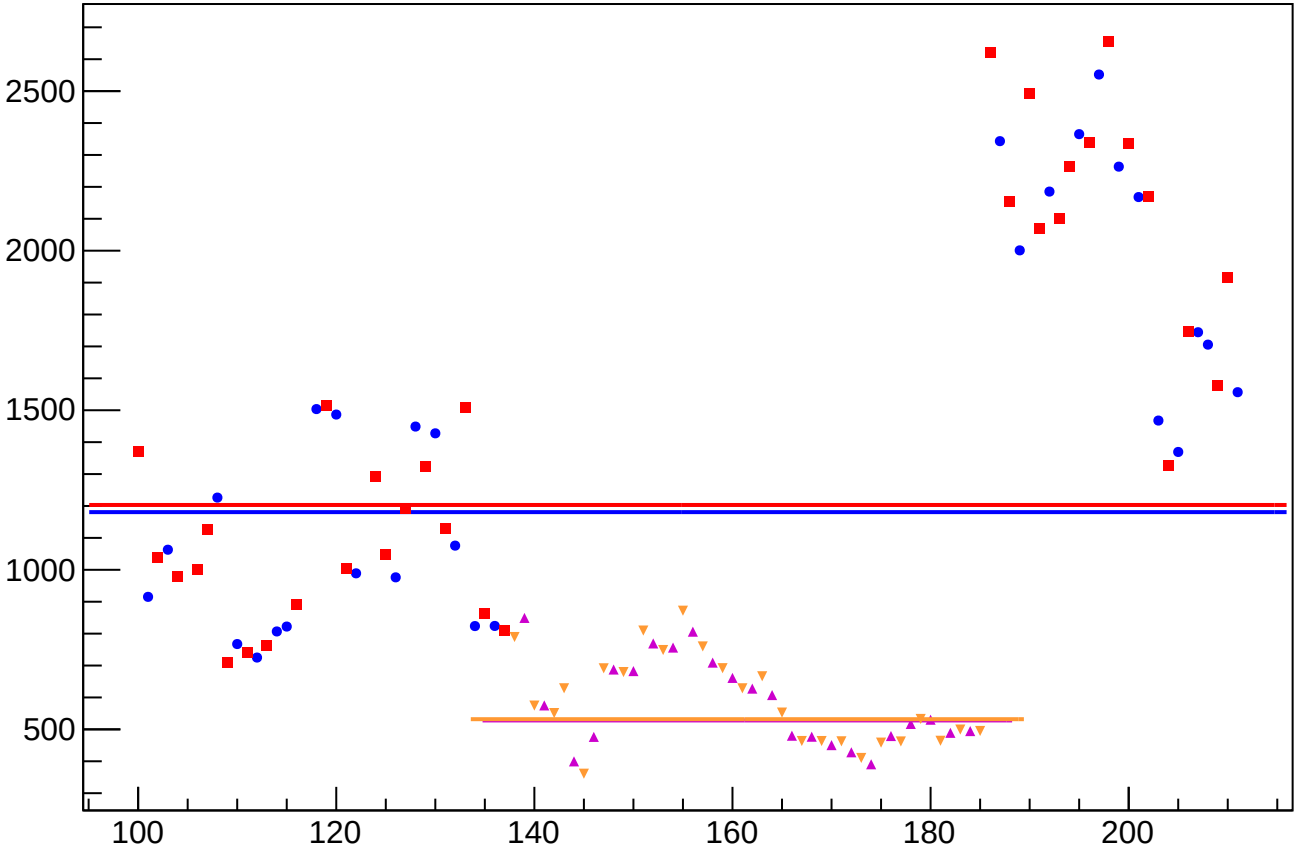
Left In: -84.668+/-127.039 χ^2/NDF:27.5/22

+ sign -566.846+/-115.638 χ^2/NDF: 103.4/52

All: -394.339+/-82.402 χ^2/NDF: 173.5/108

- sign -216.380+/-117.451 χ^2/NDF: 65.5/55

asym_sam_37_avg_dit_correction_rms vs Slug



Right In: 1180.750+/-0.221 χ^2/NDF: 4399755.1/27

Left Out: 531.872+/-0.088 χ^2/NDF:2037750.0/24

Right Out: 1203.166+/-0.218 χ^2/NDF: 5499770.8/32

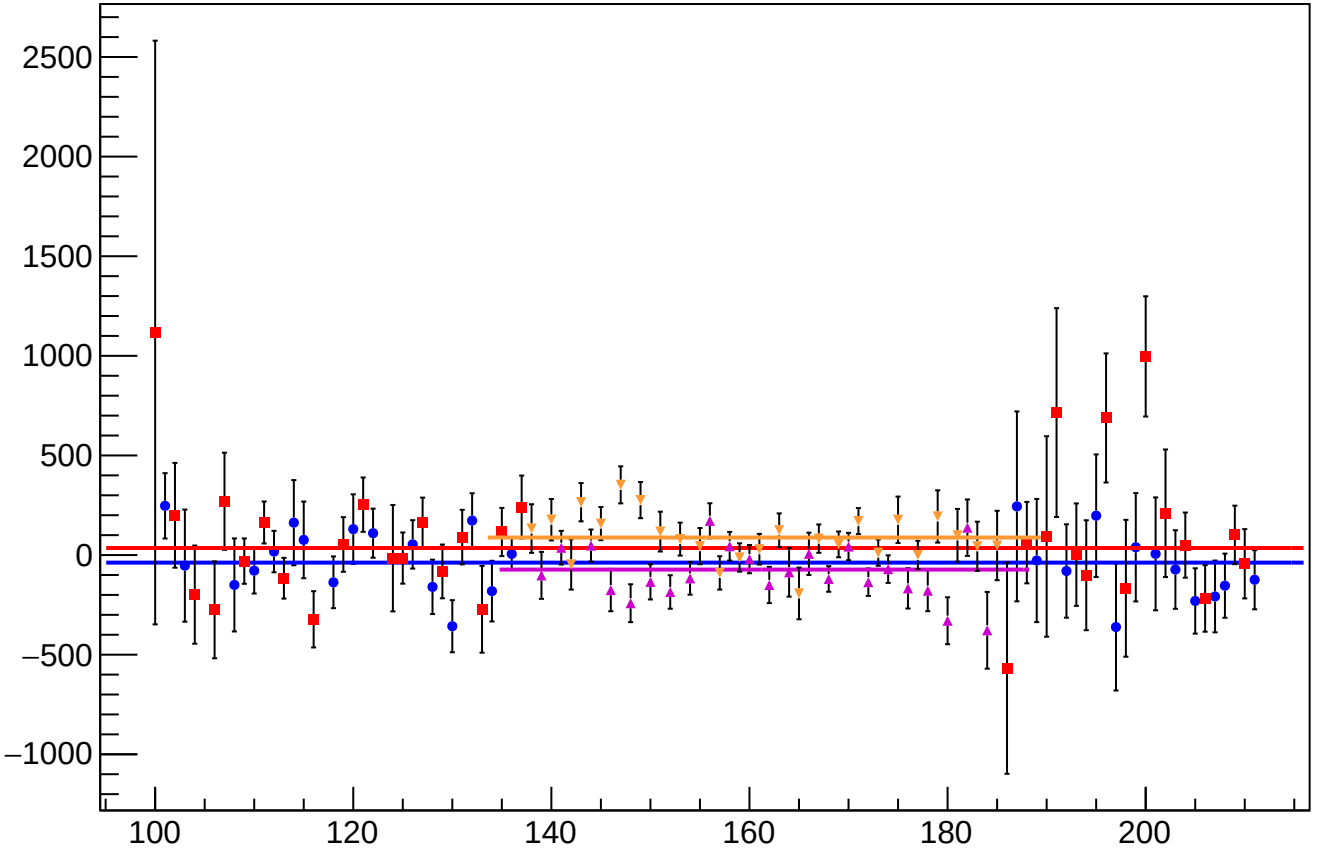
Left In: 527.986+/-0.090 χ^2/NDF:1800455.5/22

+ sign 620.701+/-0.082 χ^2/NDF: 13878124.2/52

All: 623.337+/-0.058 χ^2/NDF: 29386060.8/10

- sign 626.056+/-0.083 χ^2/NDF: 15505825.9/55

eigen_dit_asym_sam_37_avg_mean vs Slug



Right In: -37.934+/-29.689 χ^2/NDF: 24.0/27

Left Out: 88.040+/-17.745 χ^2/NDF:36.9/24

Right Out: 35.448+/-29.933 χ^2/NDF: 44.5/32

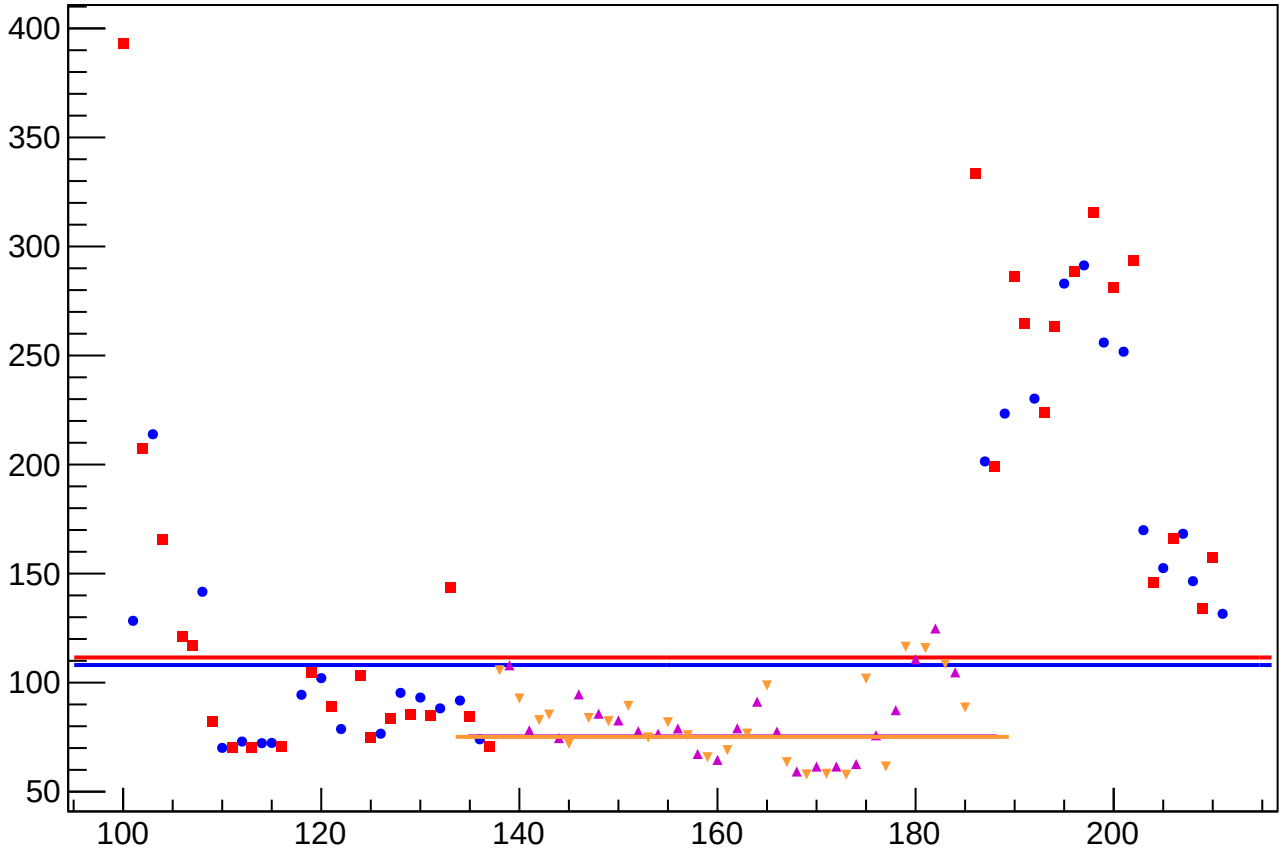
Left In: -72.848+/-18.276 χ^2/NDF:38.4/22

+ sign 54.883+/-15.231 χ^2/NDF: 74.1/52

All: 6.892+/-10.898 χ^2/NDF: 187.0/108

- sign -43.440+/-15.598 χ^2/NDF: 92.5/55

eigen_dit_asym_sam_37_avg_rms vs Slug



Right In: 108.068+/-0.021 χ^2/NDF: 5716669.6/27

Left Out: 75.128+/-0.013 χ^2/NDF:1601462.6/24

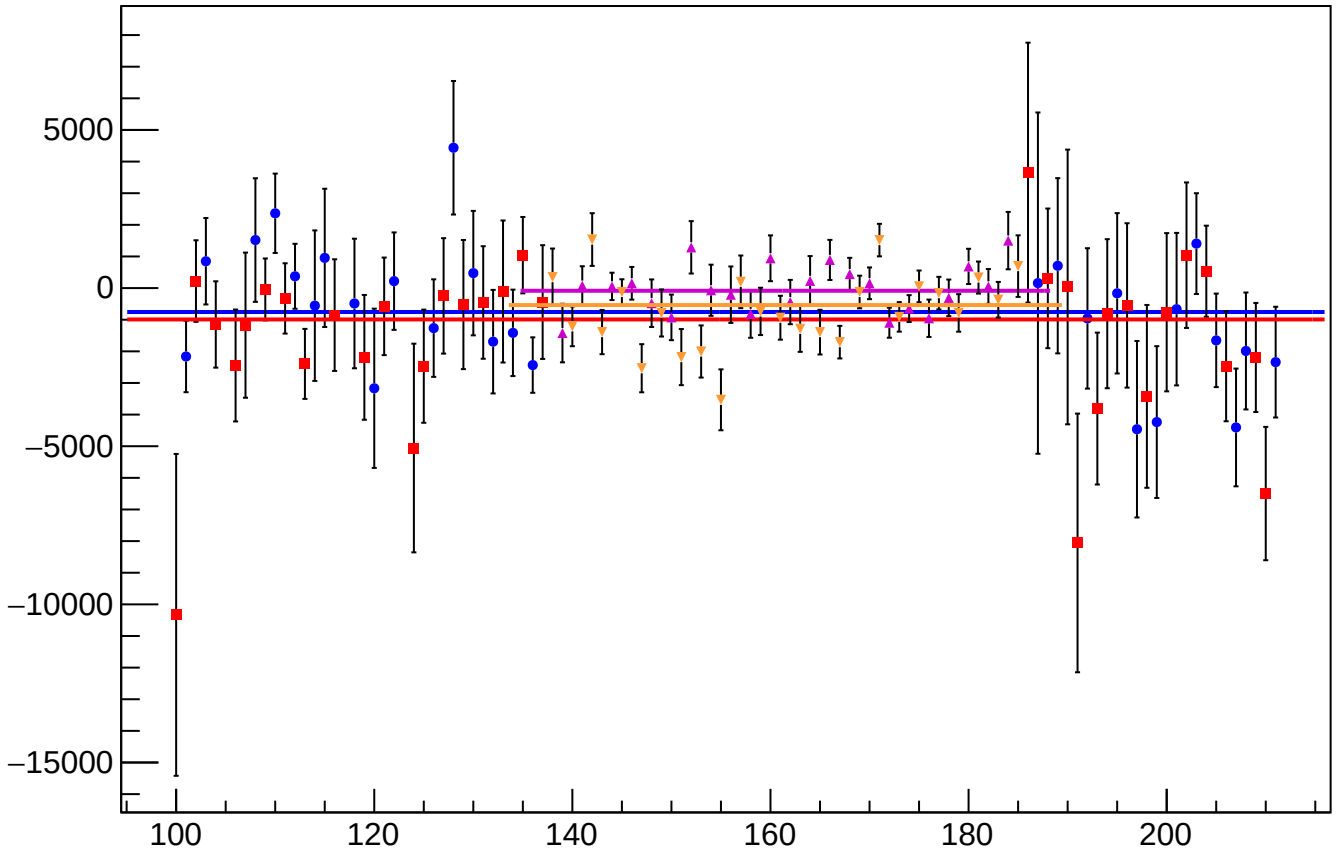
Right Out: 111.538+/-0.021 χ^2/NDF: 7297468.2/32

Left In: 75.363+/-0.013 χ^2/NDF:1225319.2/22

+ sign 83.798+/-0.011 χ^2/NDF: 9132147.4/52

All: 84.476+/-0.008 χ^2/NDF: 19790913.4/108

- sign 85.187+/-0.011 χ^2/NDF: 10650653.8/55



Right In: -756.344+/-312.539 χ^2/NDF: 36.0/27

Left Out: -536.790+/-124.471 χ^2/NDF:67.0/24

Right Out: -991.460+/-308.176 χ^2/NDF: 30.6/32

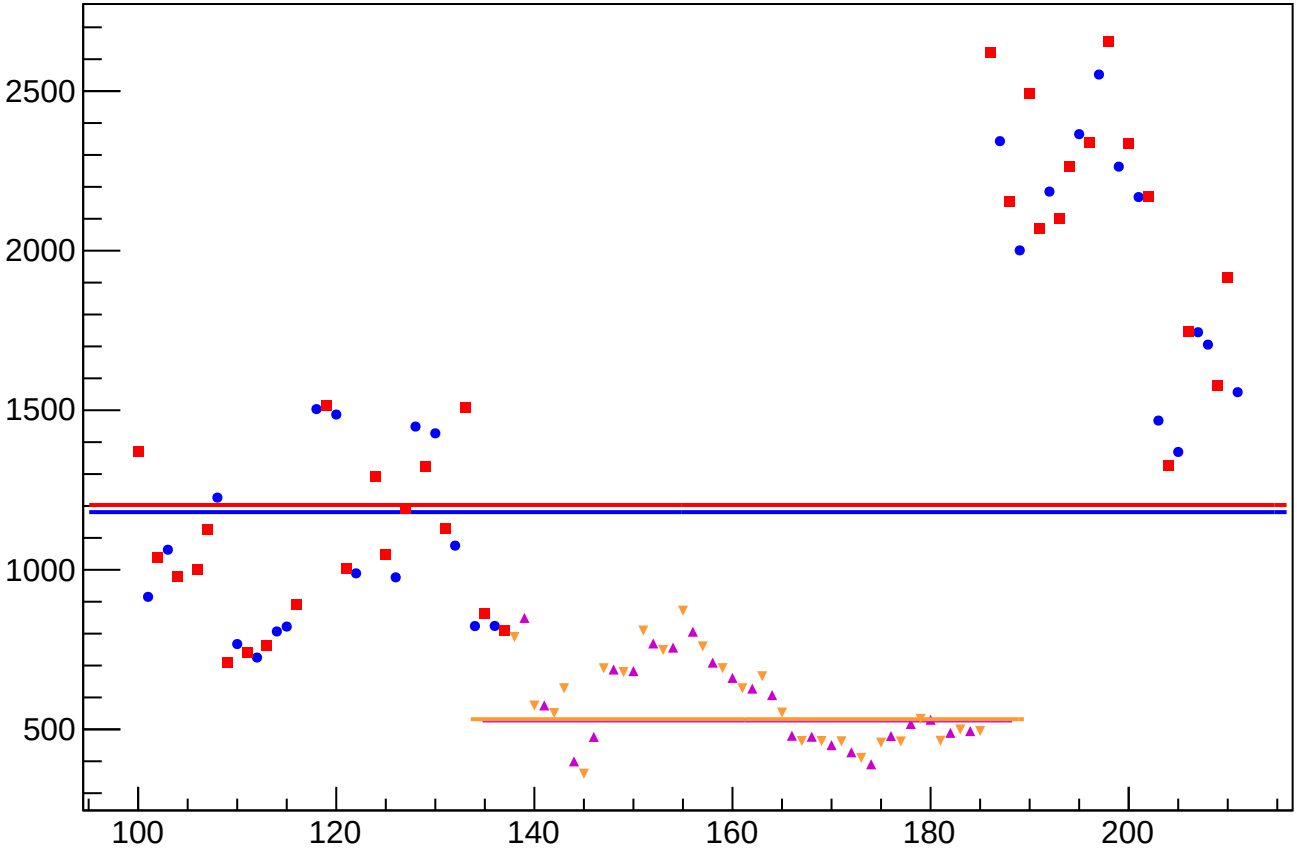
Left In: -84.668+/-127.039 χ^2/NDF:27.5/22

+ sign -566.846+/-115.638 χ^2/NDF: 103.4/52

All: -394.339+/-82.402 χ^2/NDF: 173.5/108

- sign -216.380+/-117.451 χ^2/NDF: 65.5/55

asym_sam_37_avg_eigen_dit_correction_rms vs Slug



Right In: 1180.749+/-0.221 χ^2/NDF: 4399767.5/27

Left Out: 531.872+/-0.088 χ^2/NDF:2037744.9/24

Right Out: 1203.164+/-0.218 χ^2/NDF: 5499781.6/32

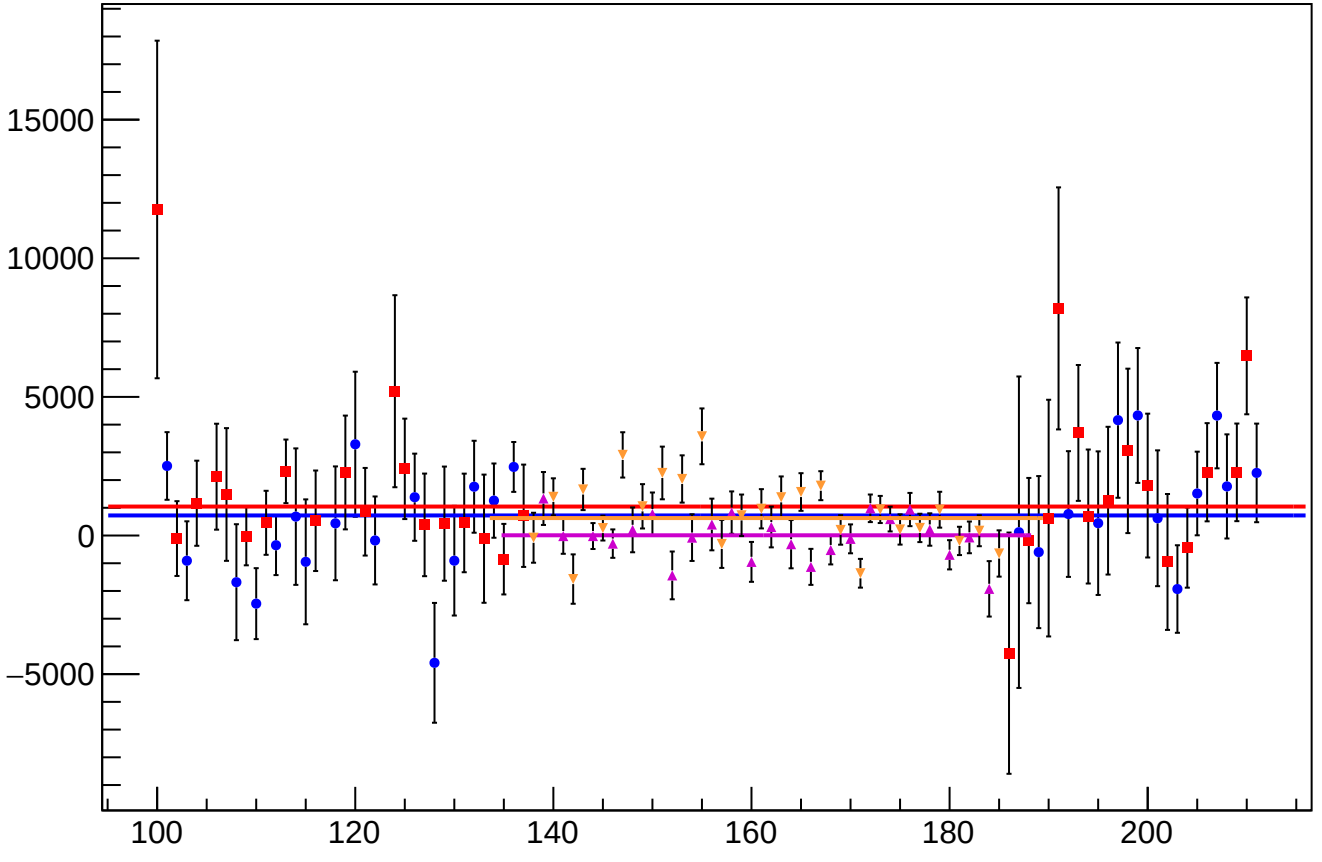
Left In: 527.986+/-0.090 χ^2/NDF:1800449.7/22

+ sign 620.701+/-0.082 χ^2/NDF: 13878113.7/52

All: 623.337+/-0.058 χ^2/NDF: 29386033.5/10

- sign 626.056+/-0.083 χ^2/NDF: 15505808.9/55

asym_sam_37_avg_mean vs Slug



Right In: 724.097+/-320.607 χ^2/NDF: 36.8/27

Left Out: 629.379+/-128.853 χ^2/NDF:64.9/24

Right Out: 1044.965+/-320.291 χ^2/NDF: 27.6/32

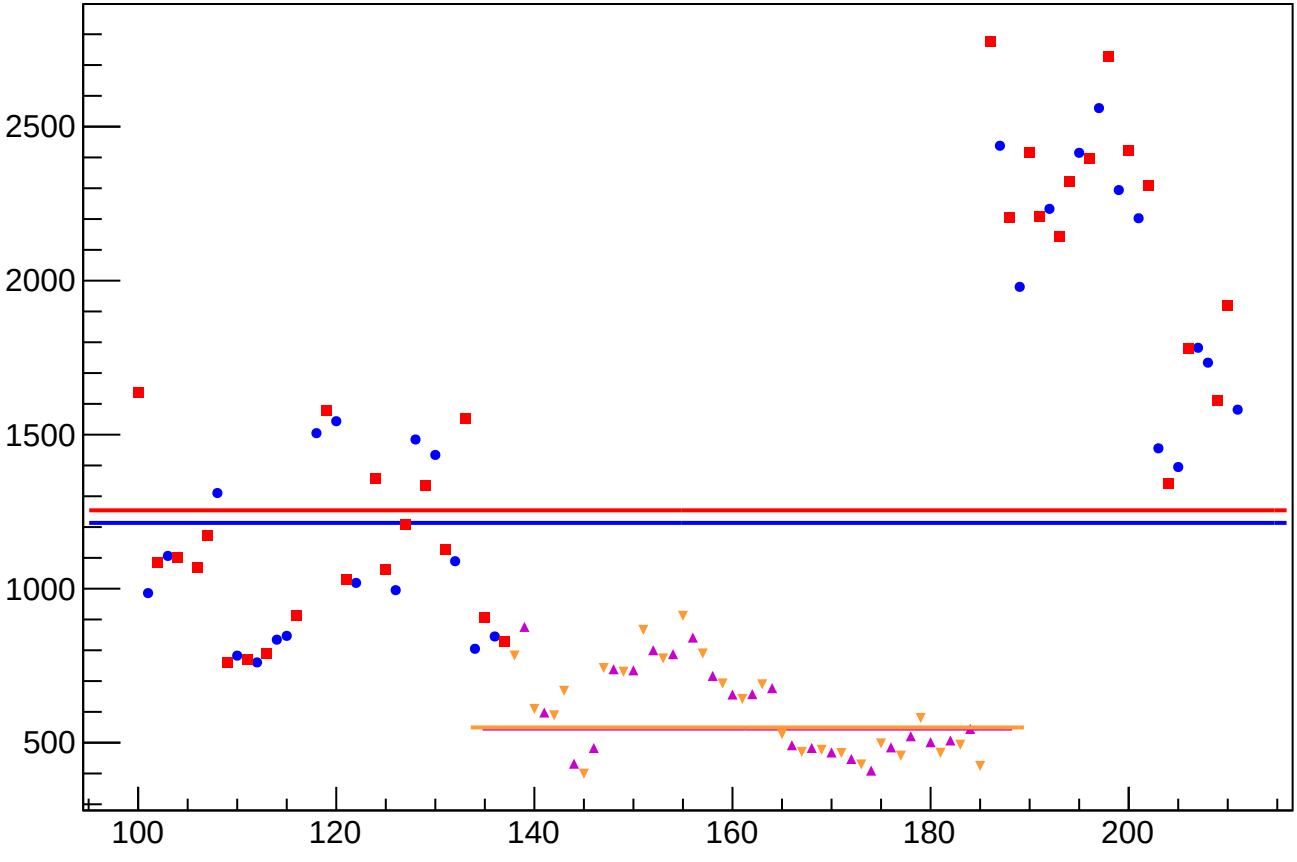
Left In: 8.460+/-131.289 χ^2/NDF:27.3/22

+ sign 642.551+/-119.559 χ^2/NDF: 101.7/52

All: 403.923+/-85.212 χ^2/NDF: 173.7/108

- sign 157.564+/-121.480 χ^2/NDF: 63.9/55

asym_sam_37_avg_rms vs Slug



Right In: 1213.565+/-0.227 χ^2/NDF: 4259626.2/27

Left Out: 549.475+/-0.091 χ^2/NDF:2053905.8/24

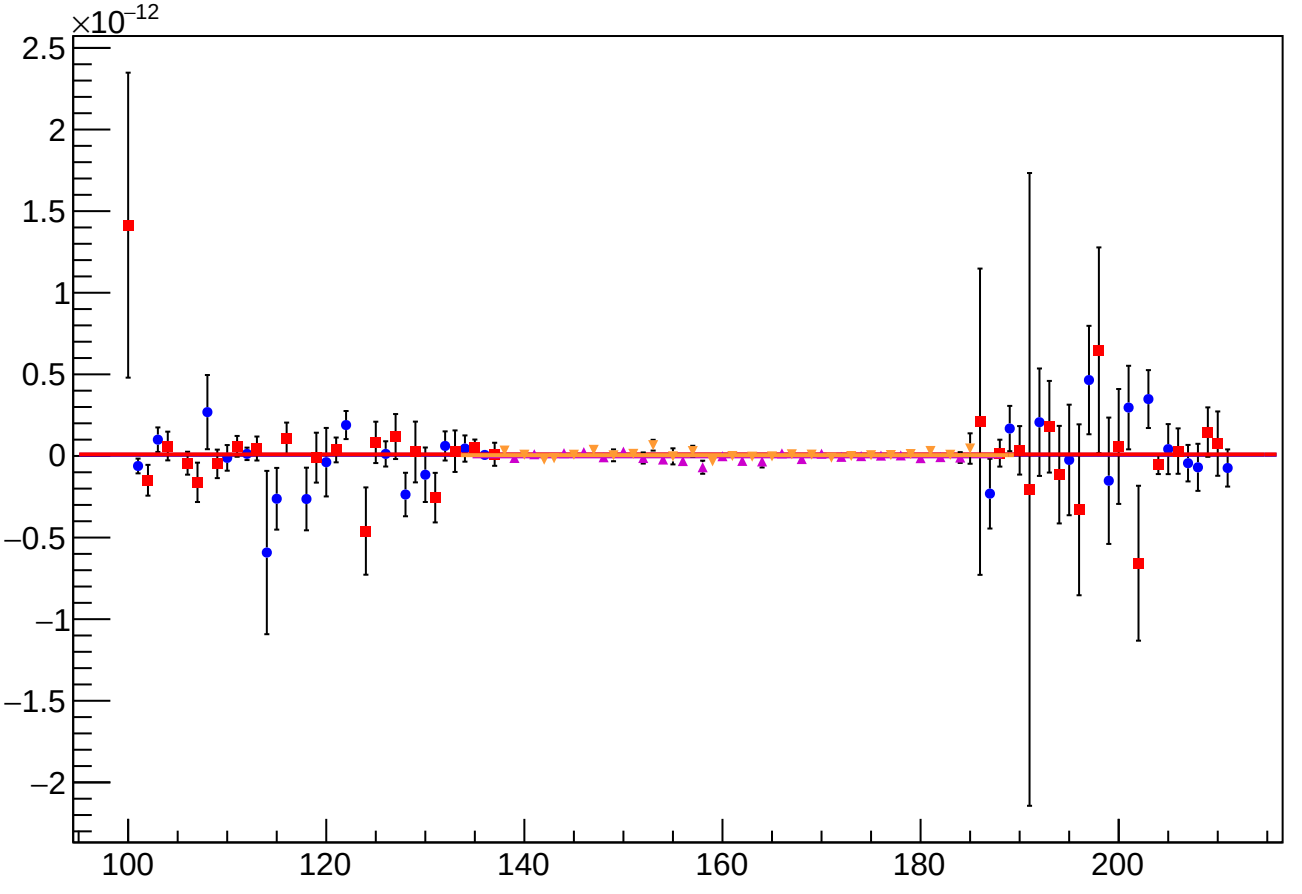
Right Out: 1254.340+/-0.226 χ^2/NDF: 5283800.3/32

Left In: 545.708+/-0.093 χ^2/NDF:1814508.3/22

+ sign 641.826+/-0.085 χ^2/NDF: 13701243.8/52

All: 644.690+/-0.060 χ^2/NDF: 29183570.2/10

- sign 647.647+/-0.086 χ^2/NDF: 15479994.0/55



Right In: 0.000+/-0.000 χ^2/NDF: 30.8/27

Left Out: 0.000+/-0.000 χ^2/NDF:15.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 24.5/32

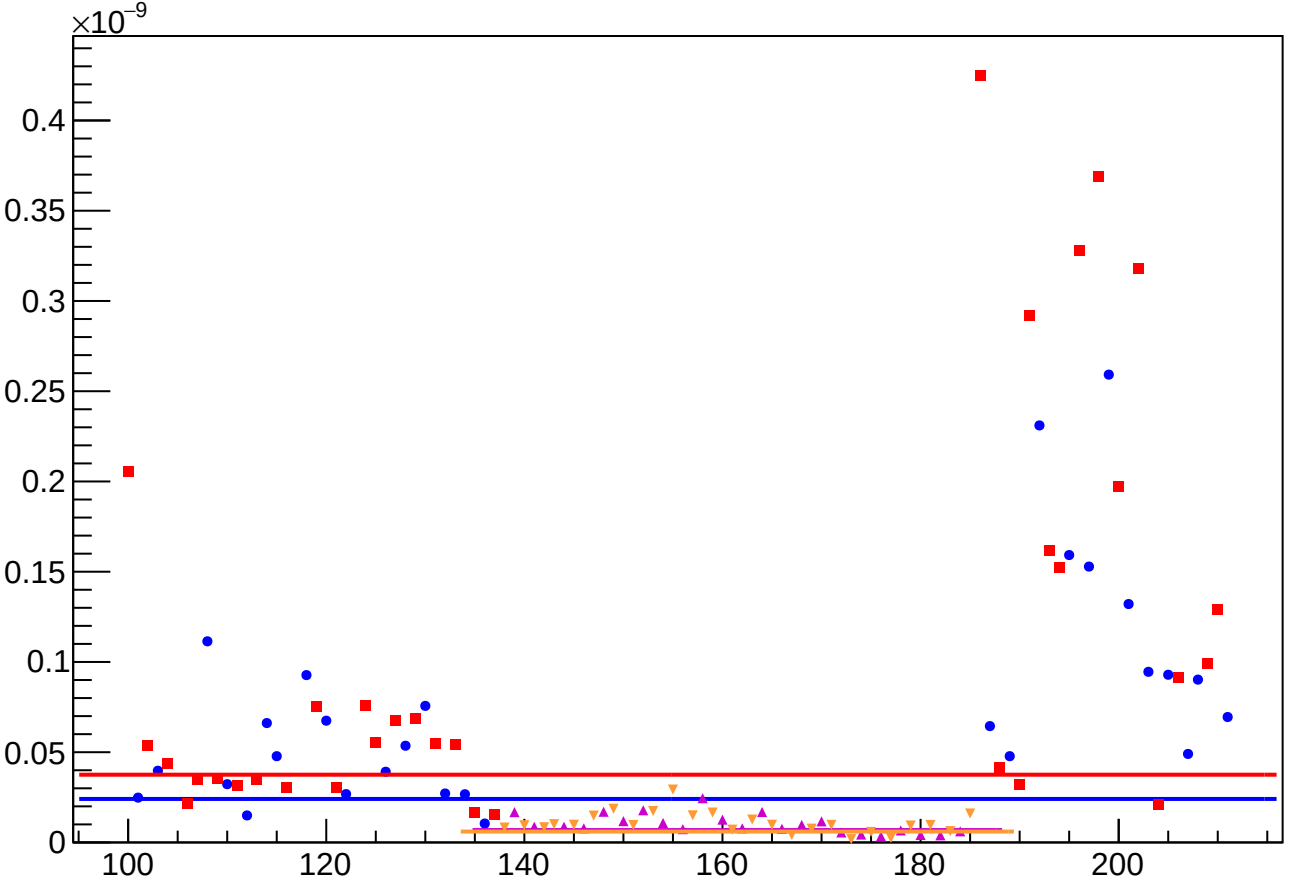
Left In: -0.000+/-0.000 χ^2/NDF:20.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 46.4/52

All: 0.000+/-0.000 χ^2/NDF: 93.8/108

- sign -0.000+/-0.000 χ^2/NDF: 44.9/55

asym_sam_37_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 6394943.1/27

Left Out: 0.000+/-0.000 χ^2/NDF:3623754.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5854249.3/32

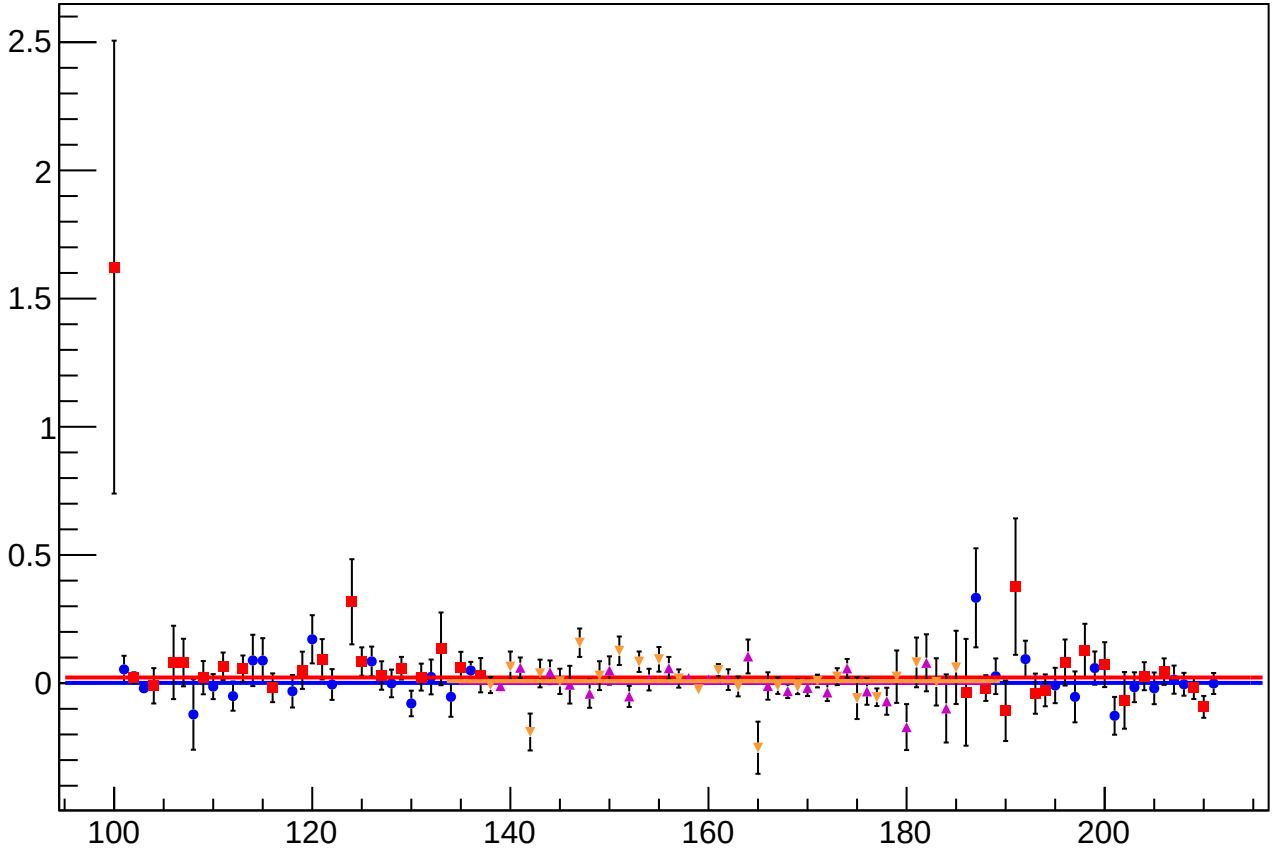
Left In: 0.000+/-0.000 χ^2/NDF:2417942.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 13254141.1/52

All: 0.000+/-0.000 χ^2/NDF: 27022127.9/108

- sign 0.000+/-0.000 χ^2/NDF: 13671773.3/55

asym_sam_37_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.001+/-0.010 χ^2/NDF: 25.7/27

Left Out: 0.008+/-0.008 χ^2/NDF:47.6/24

Right Out: 0.022+/-0.010 χ^2/NDF: 28.6/32

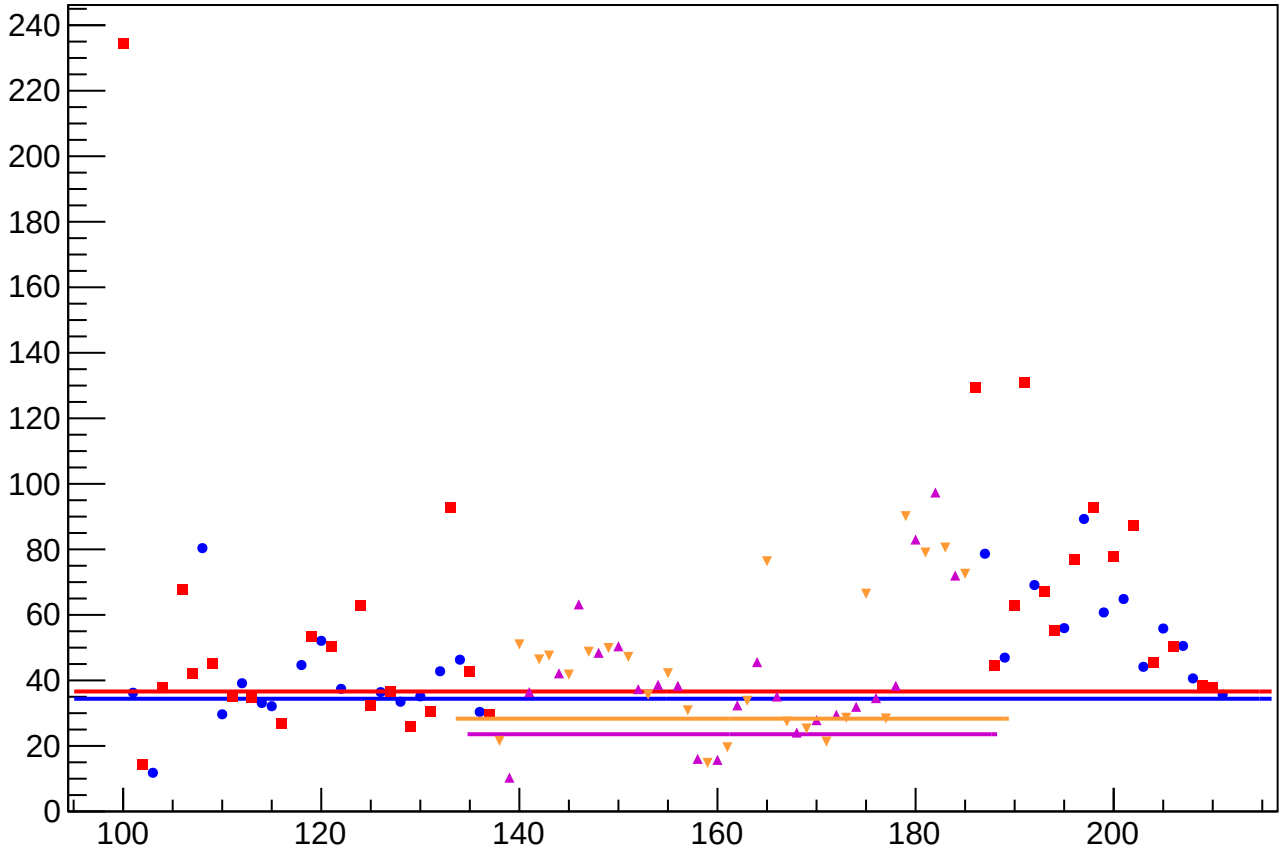
Left In: 0.001+/-0.007 χ^2/NDF:25.1/22

+ sign 0.005+/-0.006 χ^2/NDF: 73.5/52

All: 0.007+/-0.004 χ^2/NDF: 130.2/108

- sign 0.008+/-0.006 χ^2/NDF: 56.6/55

asym_sam_37_avg_dit_vs_cor_diff_rms vs Slug



Right In: 34.401+/-0.007 χ^2/NDF: 5771957.5/27

Left Out: 28.325+/-0.005 χ^2/NDF:6788307.1/24

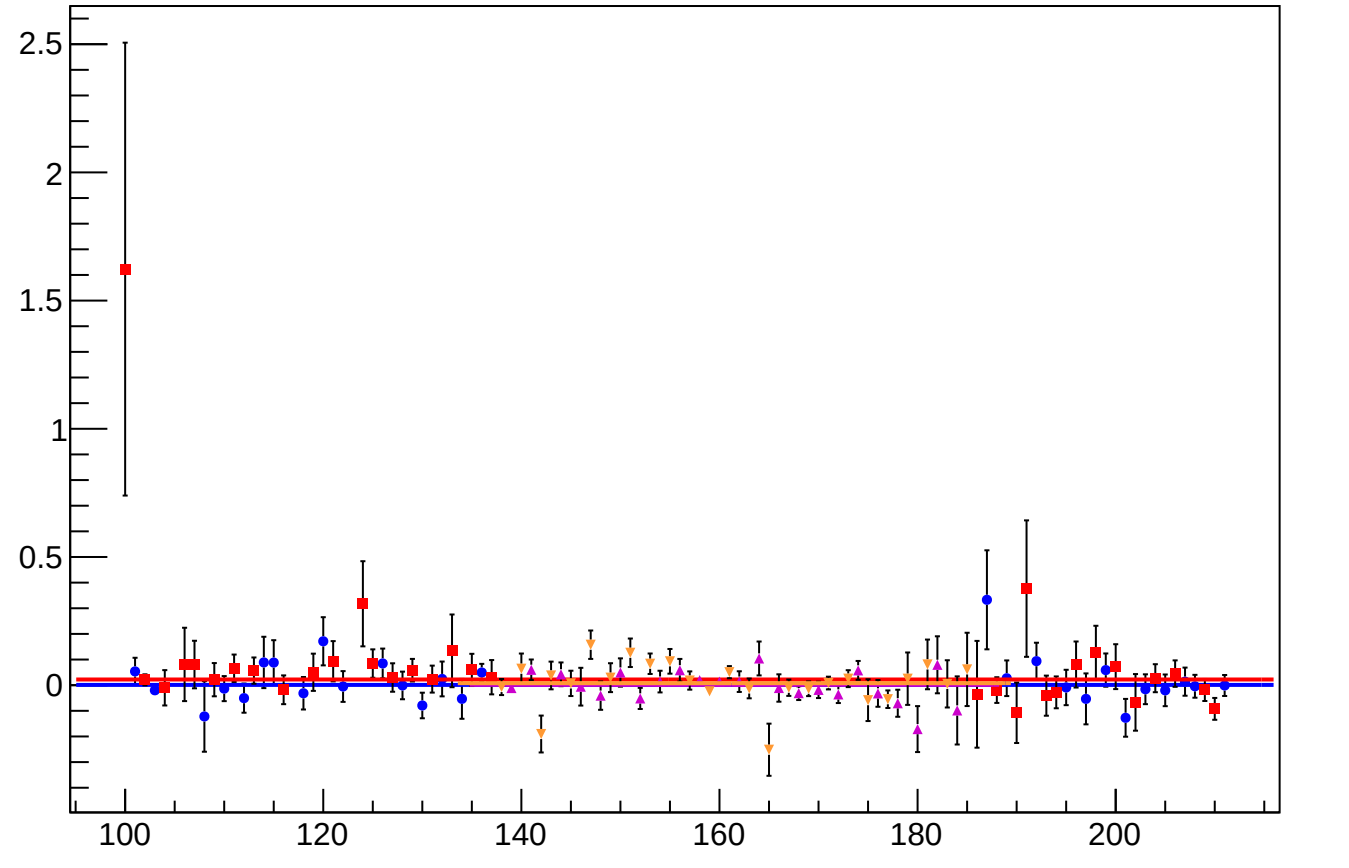
Right Out: 36.621+/-0.007 χ^2/NDF: 6517768.0/32

Left In: 23.572+/-0.005 χ^2/NDF:8263833.7/22

+ sign 30.549+/-0.004 χ^2/NDF: 13031053.2/52

All: 28.953+/-0.003 χ^2/NDF: 30310893.2/108

- sign 27.538+/-0.004 χ^2/NDF: 17015736.4/55



Right In: 0.001+/-0.010 χ^2/NDF: 25.7/27

Left Out: 0.008+/-0.008 χ^2/NDF:47.6/24

Right Out: 0.022+/-0.010 χ^2/NDF: 28.6/32

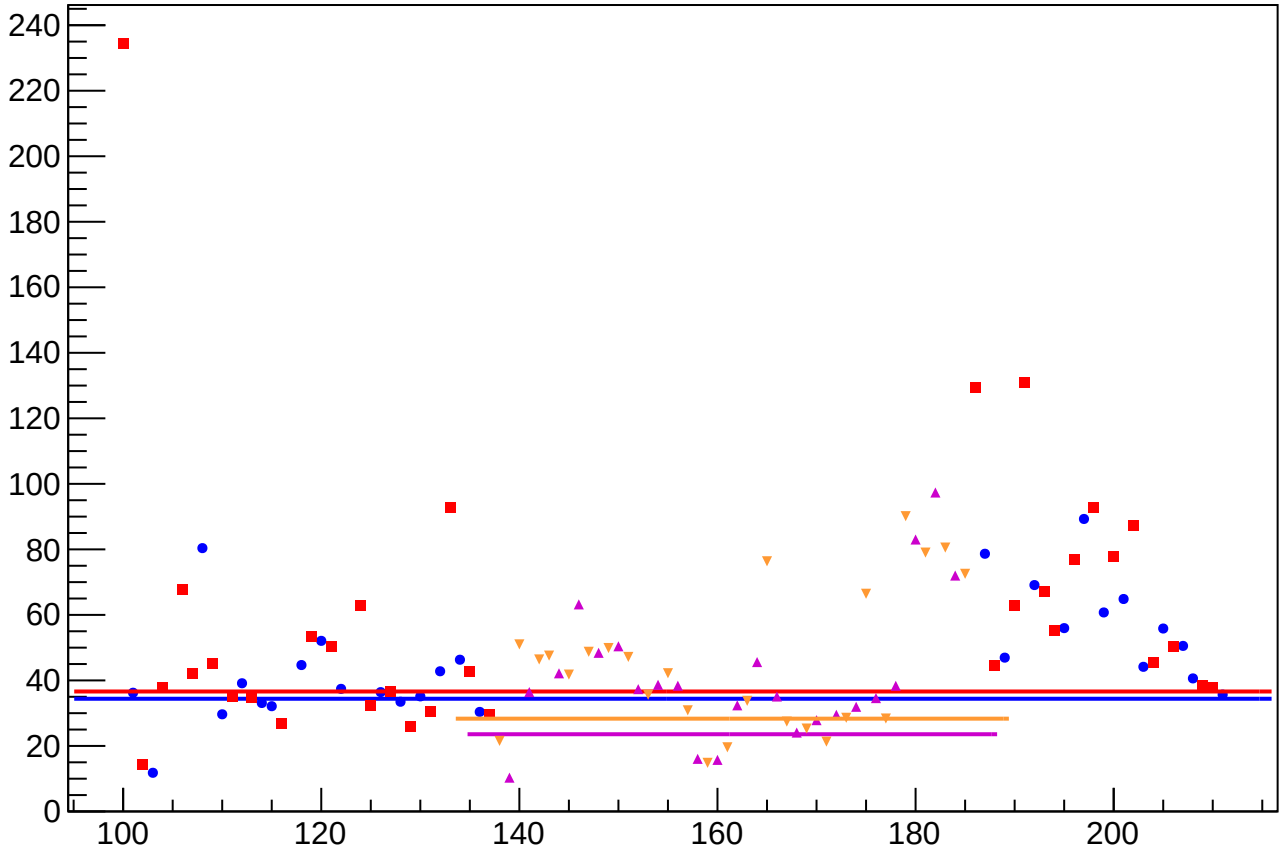
Left In: 0.001+/-0.007 χ^2/NDF:25.1/22

+ sign 0.005+/-0.006 χ^2/NDF: 73.5/52

All: 0.007+/-0.004 χ^2/NDF: 130.2/108

- sign 0.008+/-0.006 χ^2/NDF: 56.6/55

asym_sam_37_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 34.401+/-0.007 χ^2/NDF: 5771957.5/27

Left Out: 28.325+/-0.005 χ^2/NDF:6788307.1/24

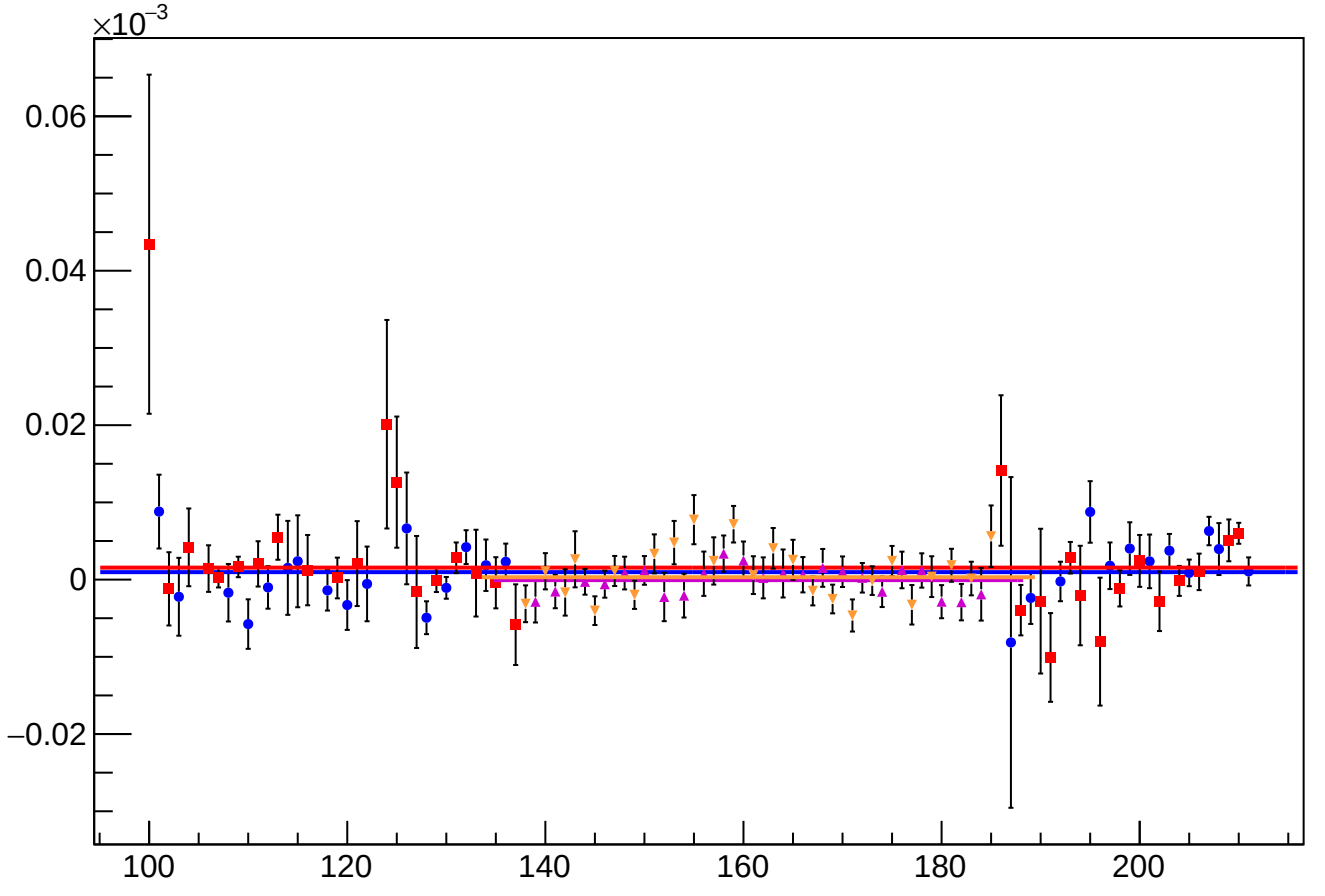
Right Out: 36.621+/-0.007 χ^2/NDF: 6517768.0/32

Left In: 23.572+/-0.005 χ^2/NDF:8263833.7/22

+ sign 30.549+/-0.004 χ^2/NDF: 13031053.2/52

All: 28.953+/-0.003 χ^2/NDF: 30310893.2/108

- sign 27.538+/-0.004 χ^2/NDF: 17015736.4/55



Right In: 0.000+/-0.000 χ^2/NDF: 41.2/27

Left Out: 0.000+/-0.000 χ^2/NDF:45.7/24

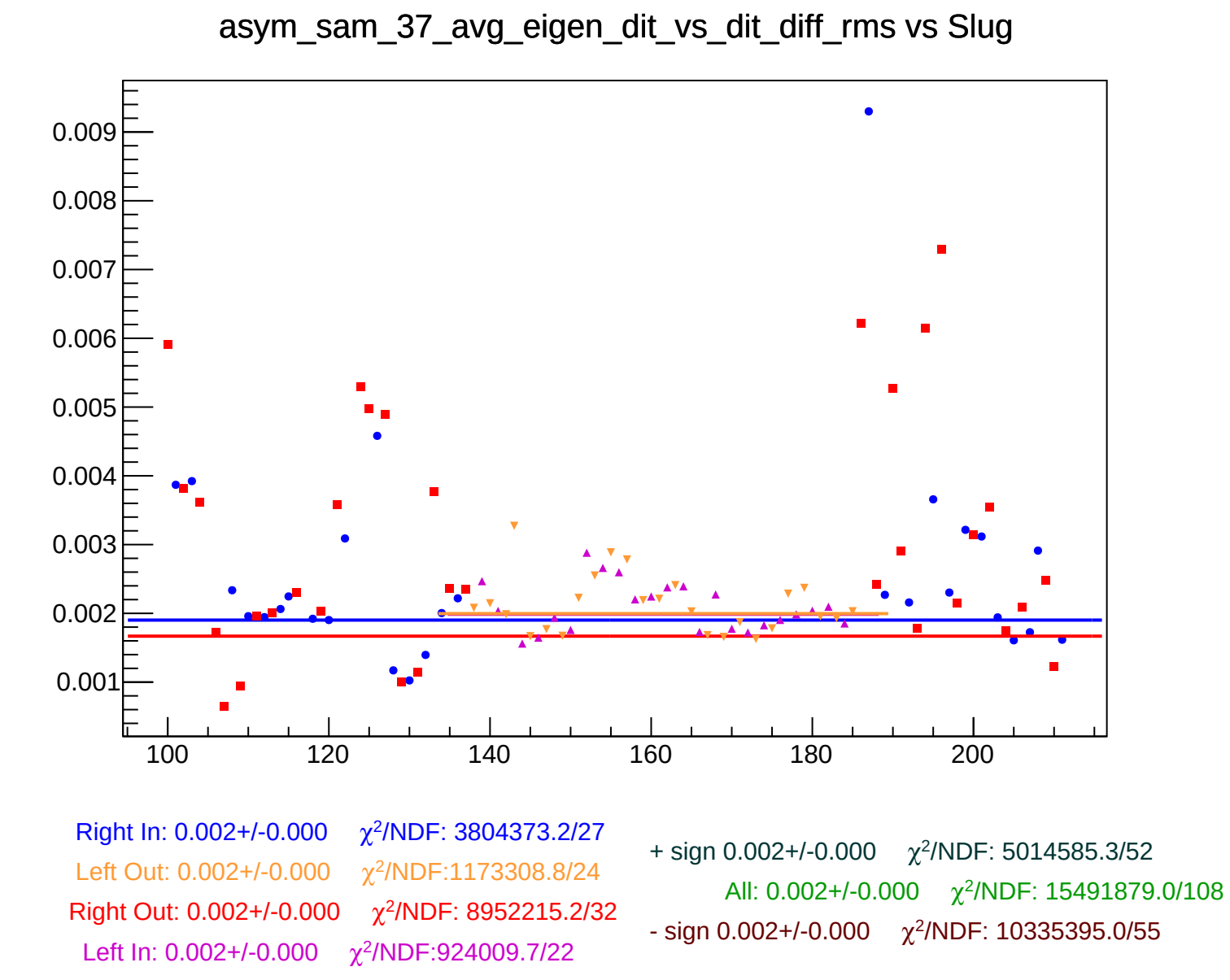
Right Out: 0.000+/-0.000 χ^2/NDF: 41.7/32

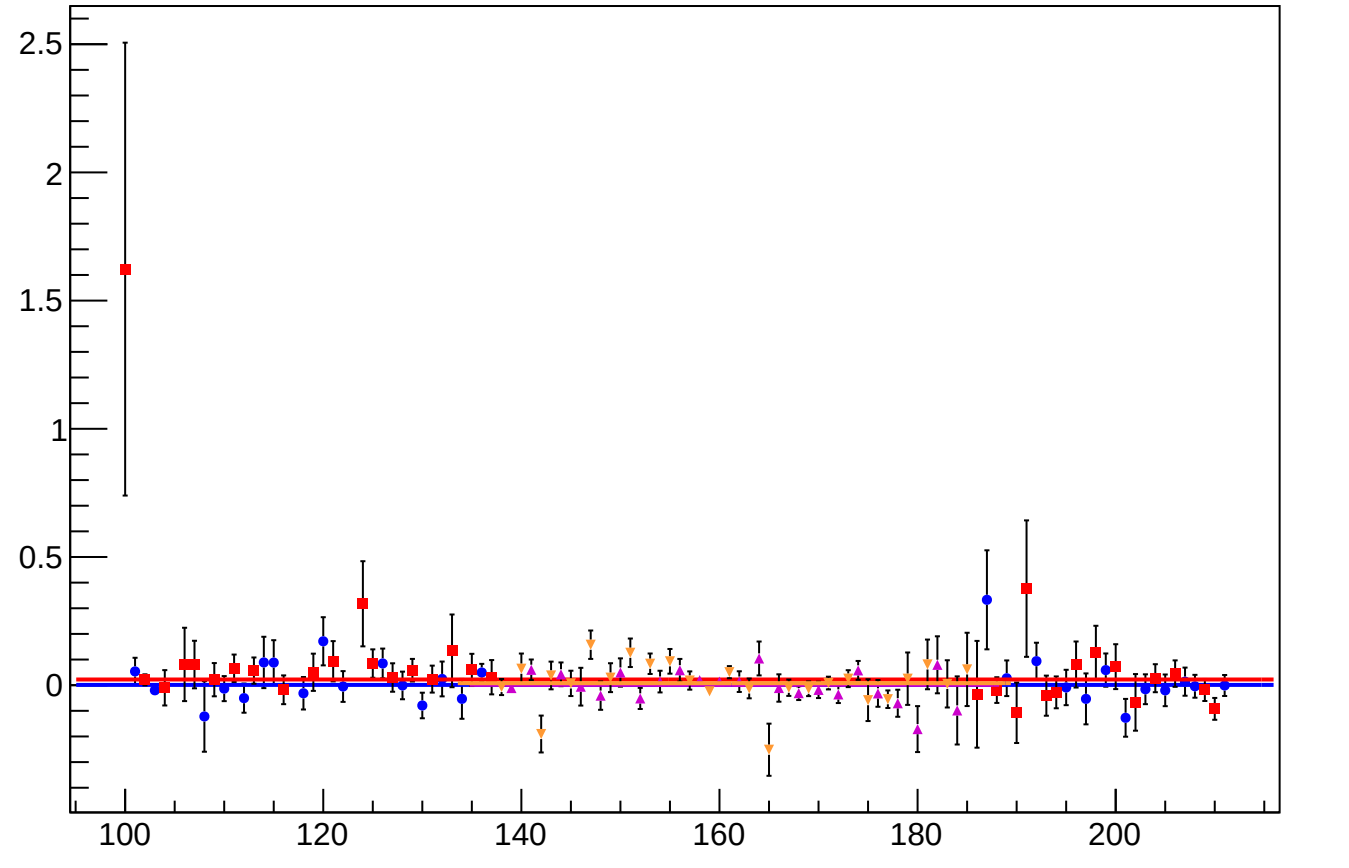
Left In: -0.000+/-0.000 χ^2/NDF:12.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 87.8/52

All: 0.000+/-0.000 χ^2/NDF: 147.7/108

- sign 0.000+/-0.000 χ^2/NDF: 59.8/55


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
Right In: 0.002+/-0.000 χ²/NDF: 3804373.2/27
Left Out: 0.002+/-0.000 χ²/NDF:1173308.8/24
Right Out: 0.002+/-0.000 χ²/NDF: 8952215.2/32
Left In: 0.002+/-0.000 χ²/NDF:924009.7/22
+ sign 0.002+/-0.000 χ²/NDF: 5014585.3/52
All: 0.002+/-0.000 χ²/NDF: 15491879.0/108
- sign 0.002+/-0.000 χ²/NDF: 10335395.0/55



Right In: 0.001+/-0.010 χ^2/NDF: 25.7/27

Left Out: 0.008+/-0.008 χ^2/NDF:47.6/24

Right Out: 0.022+/-0.010 χ^2/NDF: 28.6/32

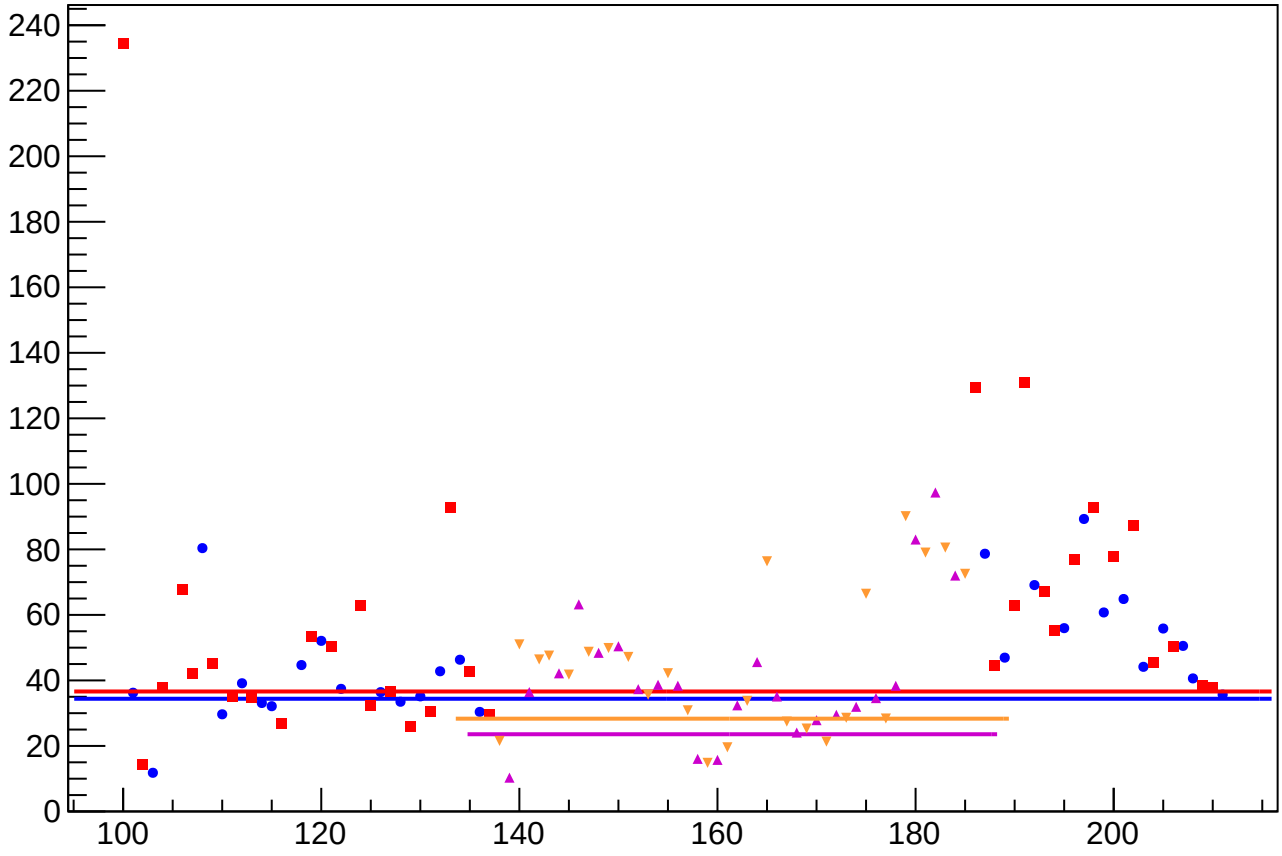
Left In: 0.001+/-0.007 χ^2/NDF:25.1/22

+ sign 0.005+/-0.006 χ^2/NDF: 73.5/52

All: 0.007+/-0.004 χ^2/NDF: 130.2/108

- sign 0.008+/-0.006 χ^2/NDF: 56.6/55

asym_sam_37_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 34.400+/-0.007 χ^2/NDF: 5772366.1/27

Left Out: 28.324+/-0.005 χ^2/NDF:6788766.1/24

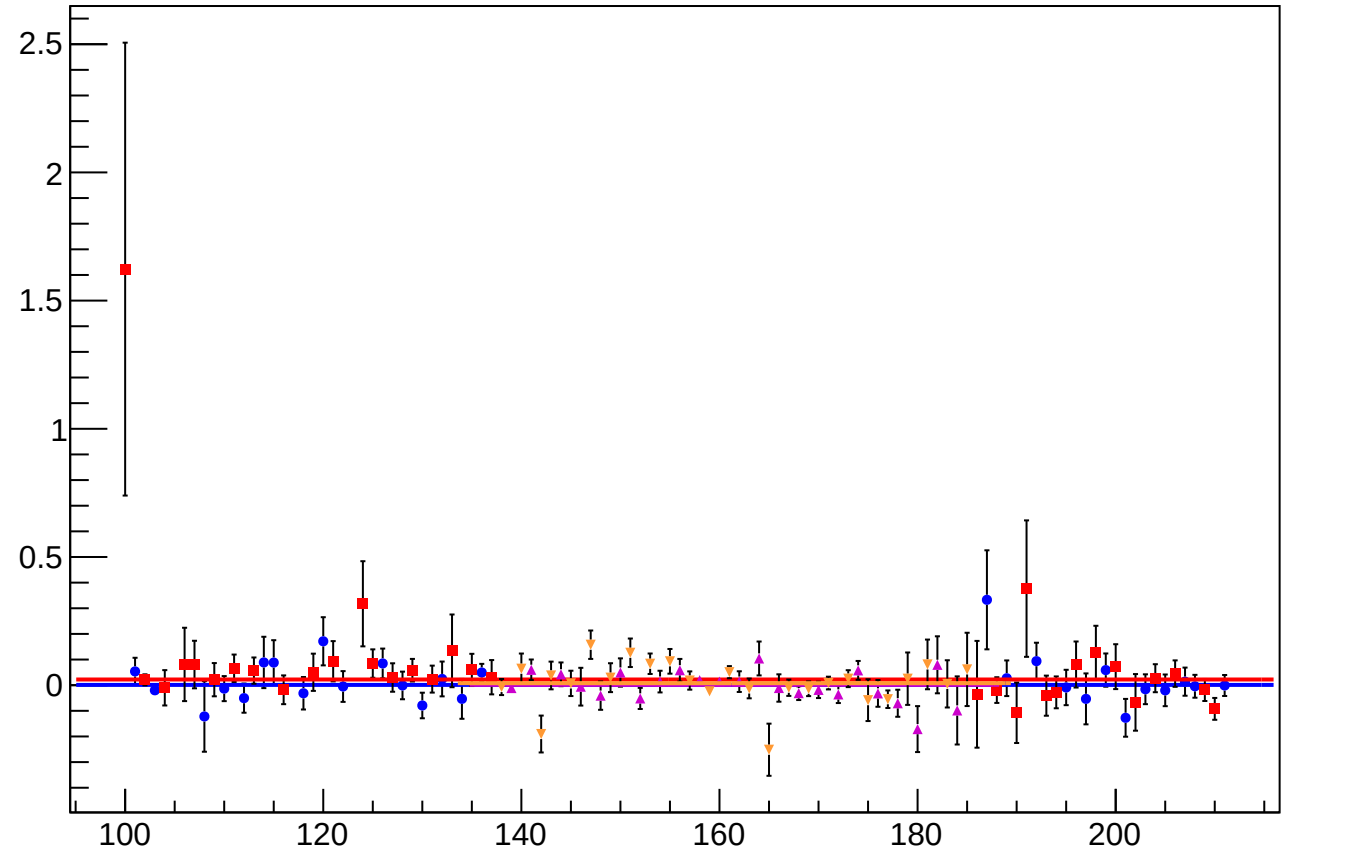
Right Out: 36.623+/-0.007 χ^2/NDF: 6516582.4/32

Left In: 23.571+/-0.005 χ^2/NDF:8264891.4/22

+ sign 30.549+/-0.004 χ^2/NDF: 13031879.4/52

All: 28.952+/-0.003 χ^2/NDF: 30312710.3/108

- sign 27.538+/-0.004 χ^2/NDF: 17016728.8/55



Right In: 0.001+/-0.010 χ^2/NDF: 25.7/27

Left Out: 0.008+/-0.008 χ^2/NDF:47.6/24

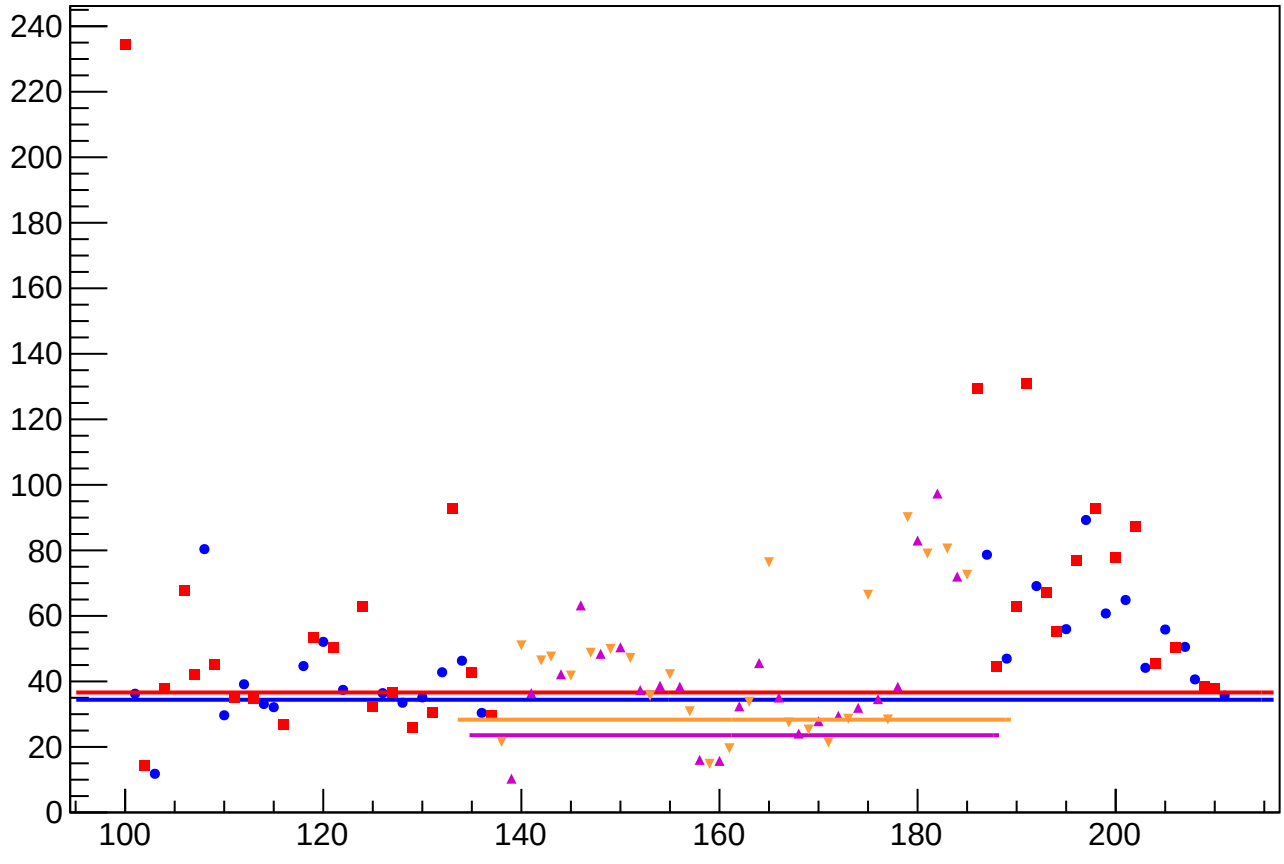
Right Out: 0.022+/-0.010 χ^2/NDF: 28.6/32

Left In: 0.001+/-0.007 χ^2/NDF:25.1/22

+ sign 0.005+/-0.006 χ^2/NDF: 73.5/52

All: 0.007+/-0.004 χ^2/NDF: 130.2/108

- sign 0.008+/-0.006 χ^2/NDF: 56.6/55



Right In: 34.400+/-0.007 χ^2/NDF: 5772366.1/27

Left Out: 28.324+/-0.005 χ^2/NDF:6788766.1/24

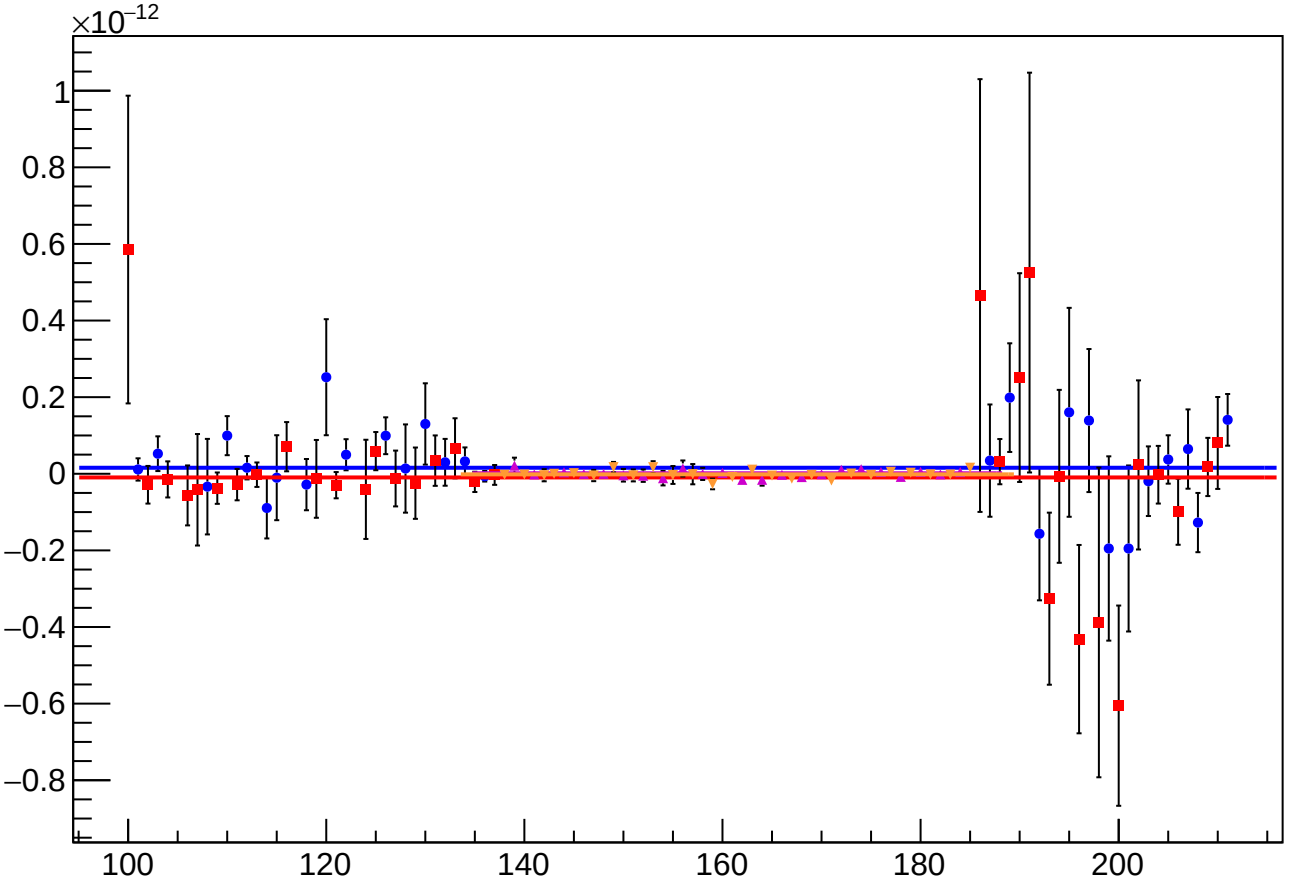
Right Out: 36.623+/-0.007 χ^2/NDF: 6516582.4/32

Left In: 23.571+/-0.005 χ^2/NDF:8264891.4/22

+ sign 30.549+/-0.004 χ^2/NDF: 13031879.4/52

All: 28.952+/-0.003 χ^2/NDF: 30312710.3/108

- sign 27.538+/-0.004 χ^2/NDF: 17016728.8/55



Right In: 0.000+/-0.000 χ^2/NDF: 28.4/27

Left Out: -0.000+/-0.000 χ^2/NDF:17.6/24

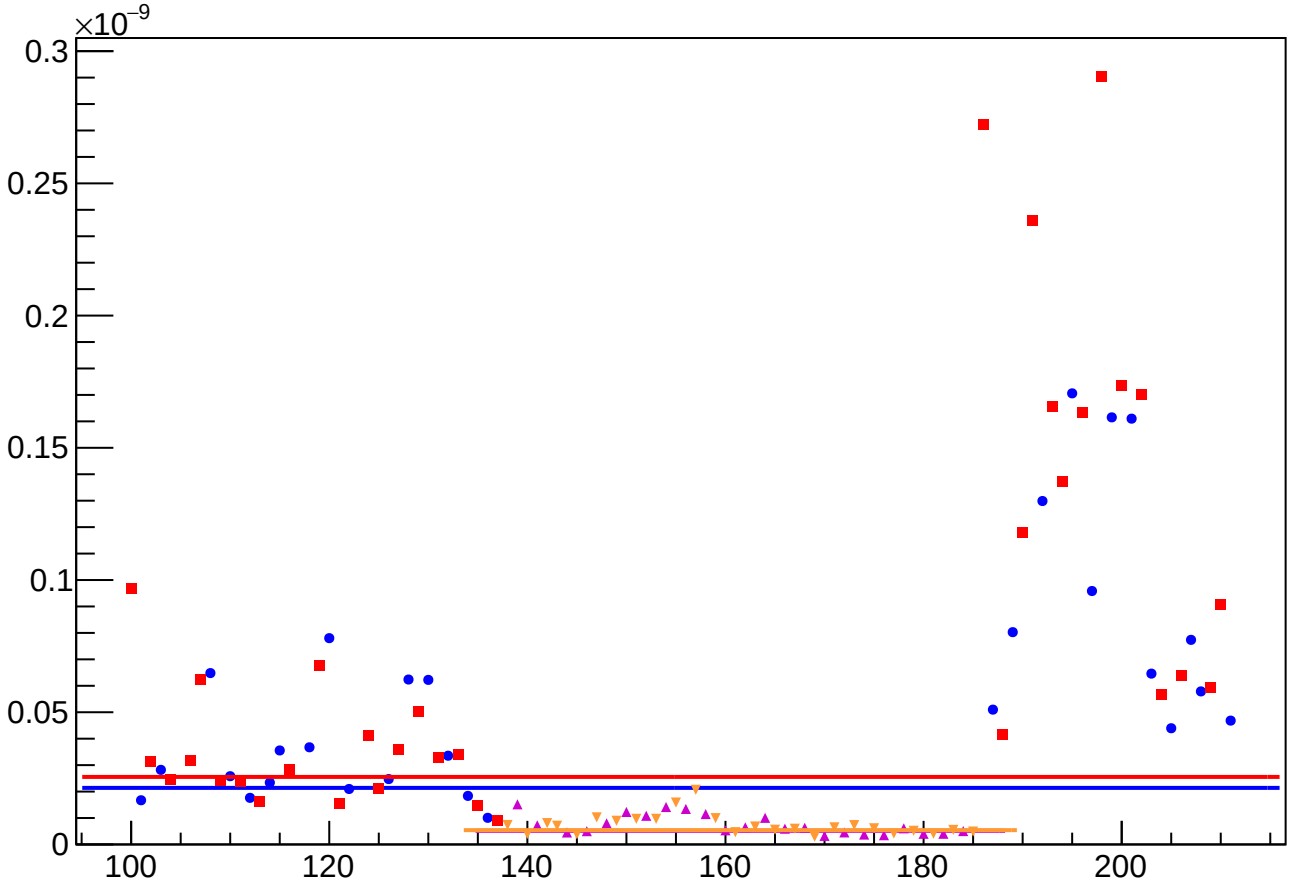
Right Out: -0.000+/-0.000 χ^2/NDF: 25.0/32

Left In: 0.000+/-0.000 χ^2/NDF:15.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 49.5/52

All: 0.000+/-0.000 χ^2/NDF: 92.1/108

- sign 0.000+/-0.000 χ^2/NDF: 42.0/55



Right In: 0.000+/-0.000 χ^2/NDF: 8460500.9/27

Left Out: 0.000+/-0.000 χ^2/NDF:3068356.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9418992.8/32

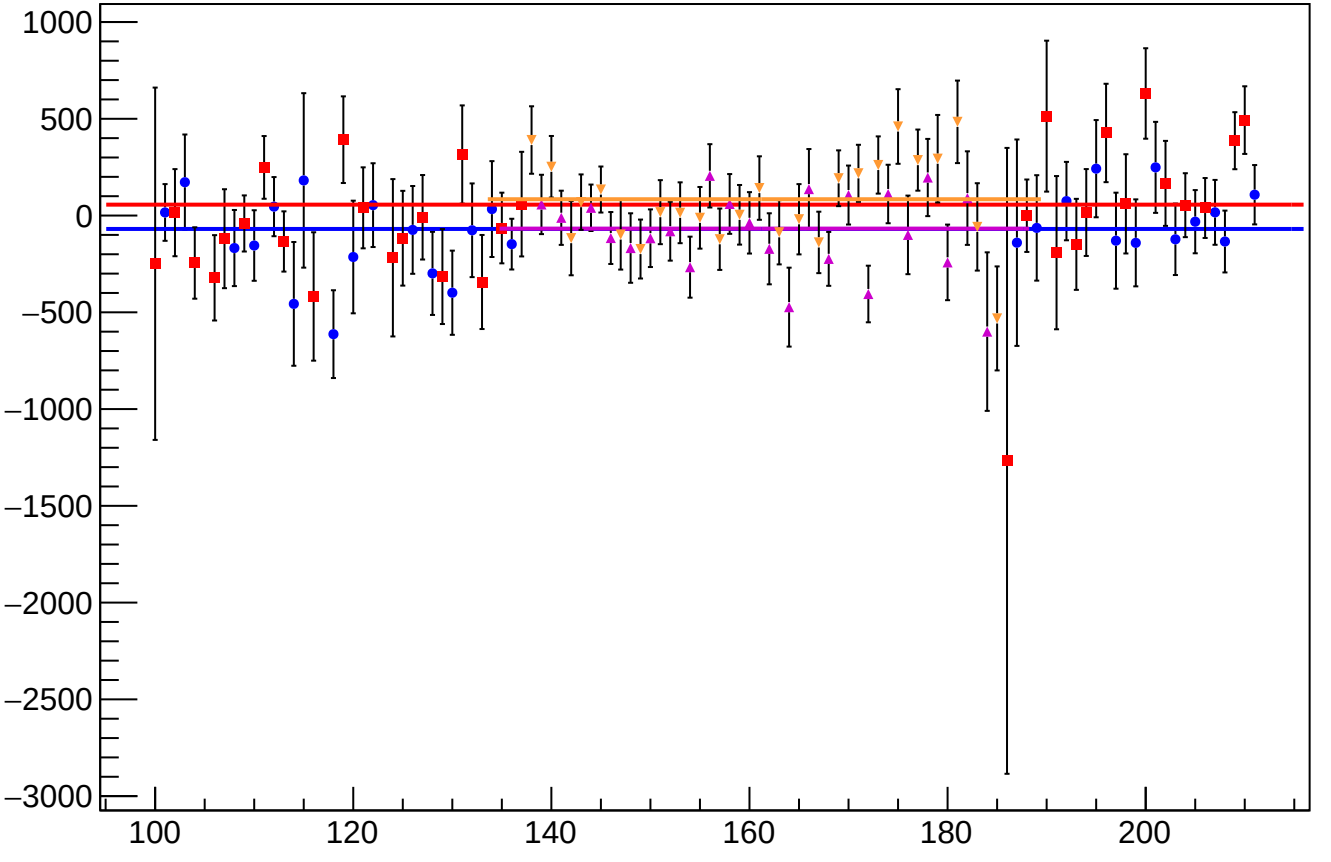
Left In: 0.000+/-0.000 χ^2/NDF:3390855.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 17560635.3/52

All: 0.000+/-0.000 χ^2/NDF: 38054990.2/108

- sign 0.000+/-0.000 χ^2/NDF: 20470960.1/55

reg_asym_sam_48_avg_mean vs Slug



Right In: -69.251+/-38.393 χ^2/NDF: 20.4/27

Left Out: 84.324+/-33.036 χ^2/NDF:33.8/24

Right Out: 56.323+/-37.579 χ^2/NDF: 44.4/32

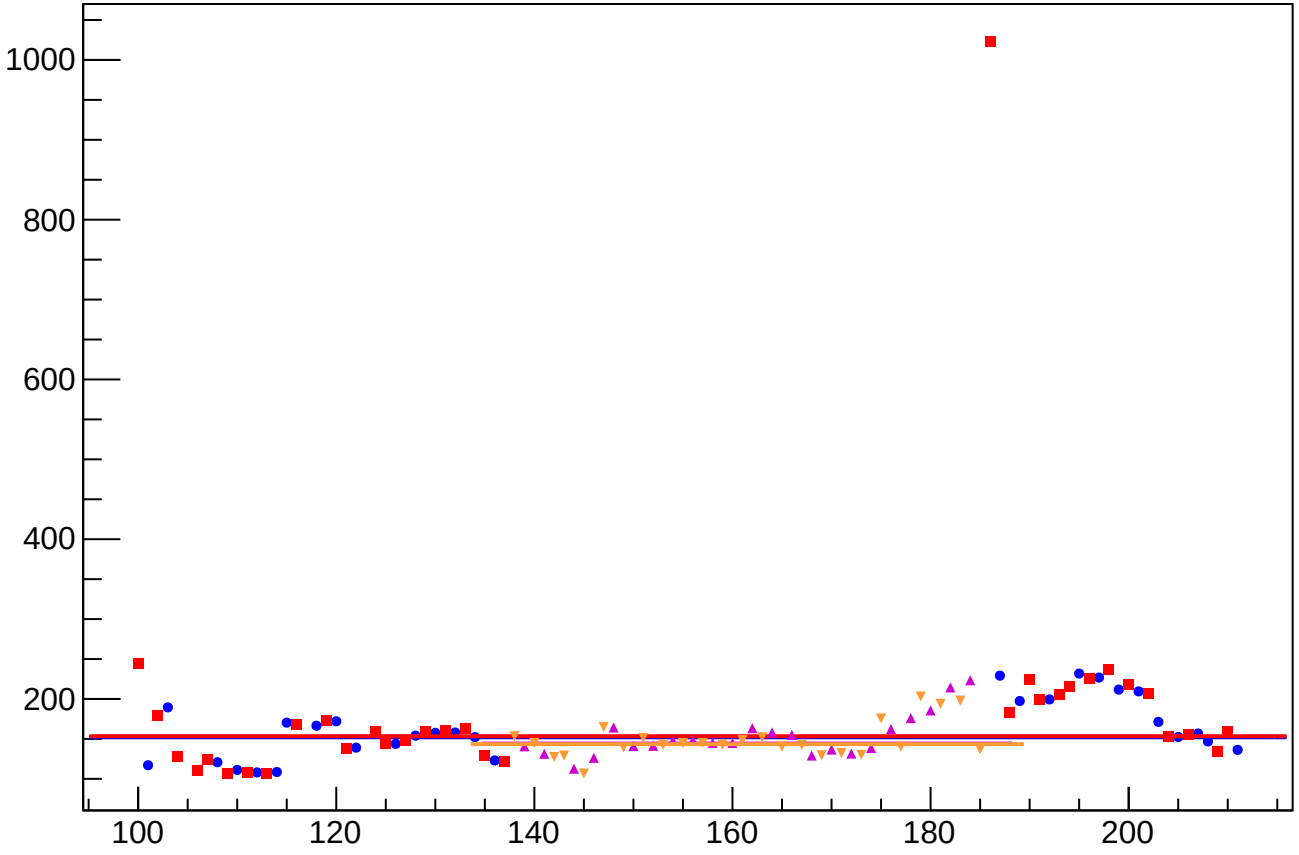
Left In: -67.646+/-34.137 χ^2/NDF:26.5/22

+ sign 18.991+/-25.041 χ^2/NDF: 63.4/52

All: 3.835+/-17.786 χ^2/NDF: 141.0/108

- sign -11.597+/-25.268 χ^2/NDF: 76.9/55

reg_asym_sam_48_avg_rms vs Slug



Right In: 152.037+/-0.027 χ^2/NDF: 1542396.4/27

Left Out: 143.444+/-0.023 χ^2/NDF:747040.9/24

Right Out: 153.346+/-0.027 χ^2/NDF: 2477169.9/32

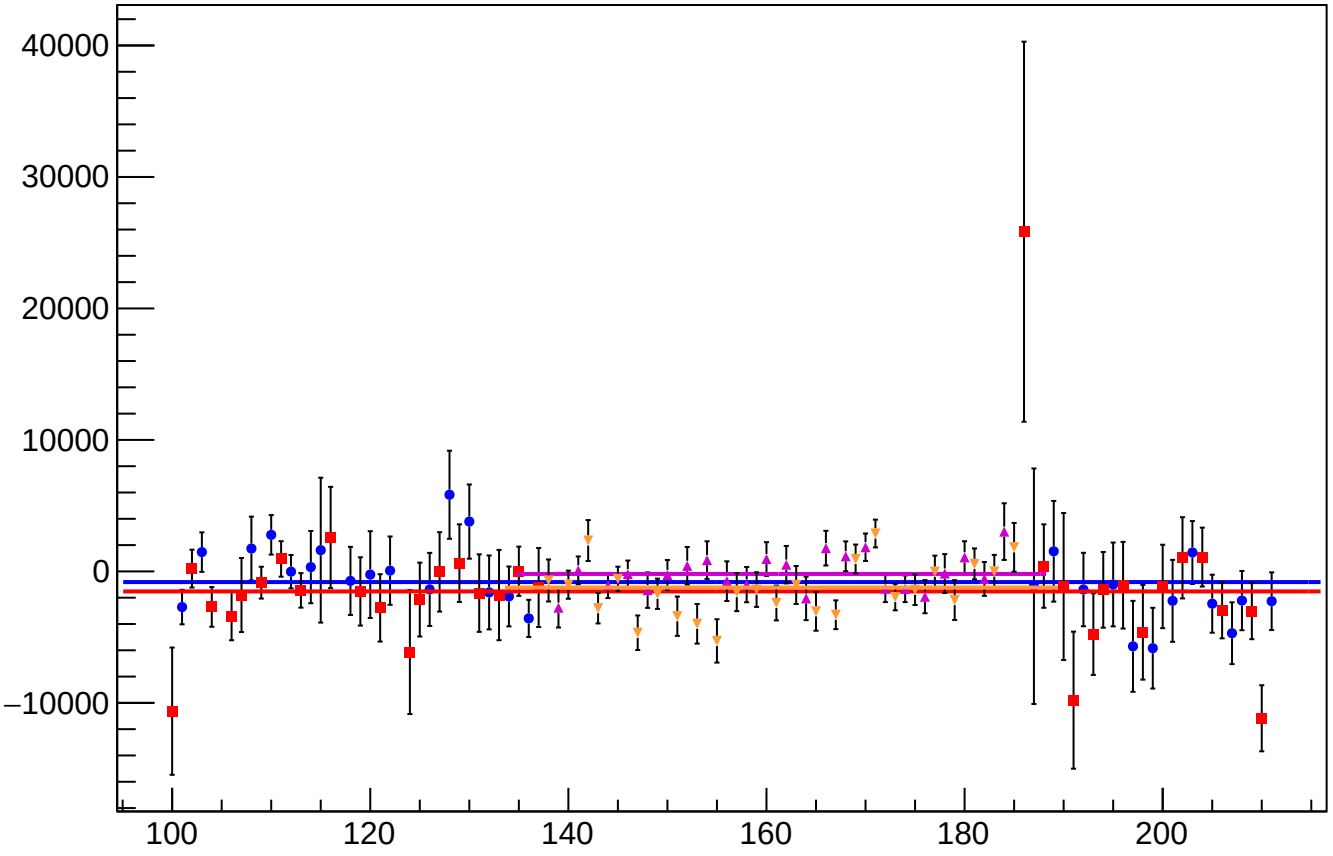
Left In: 144.170+/-0.024 χ^2/NDF:702713.8/22

+ sign 147.099+/-0.018 χ^2/NDF: 2347009.6/52

All: 147.704+/-0.013 χ^2/NDF: 5594572.7/108

- sign 148.319+/-0.018 χ^2/NDF: 3245212.3/55

asym_sam_48_avg_reg_correction_mean vs Slug



Right In: -812.406+/-424.720 χ^2/NDF: 33.2/27

Left Out: -1225.049+/-251.767 χ^2/NDF:59.3/24

Right Out: -1522.087+/-404.021 χ^2/NDF: 40.2/32

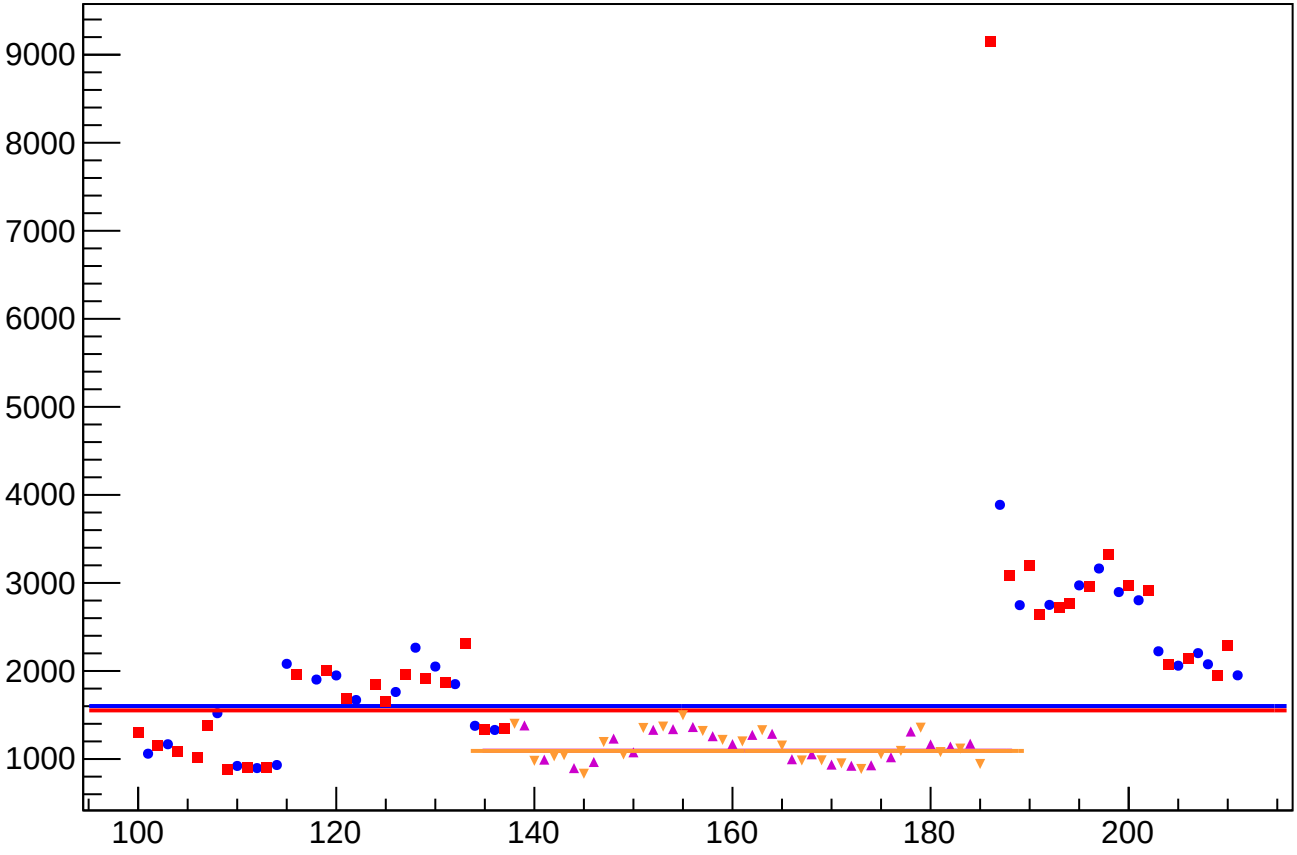
Left In: -193.805+/-258.922 χ^2/NDF:23.3/22

+ sign -1117.752+/-216.575 χ^2/NDF: 93.2/52

All: -850.890+/-153.642 χ^2/NDF: 167.4/108

- sign -580.513+/-217.997 χ^2/NDF: 71.2/55

asym_sam_48_avg_reg_correction_rms vs Slug



Right In: 1601.935+/-0.300 χ^2/NDF: 4535468.2/27

Left Out: 1091.980+/-0.178 χ^2/NDF:892442.4/24

Right Out: 1552.380+/-0.286 χ^2/NDF: 6476340.5/32

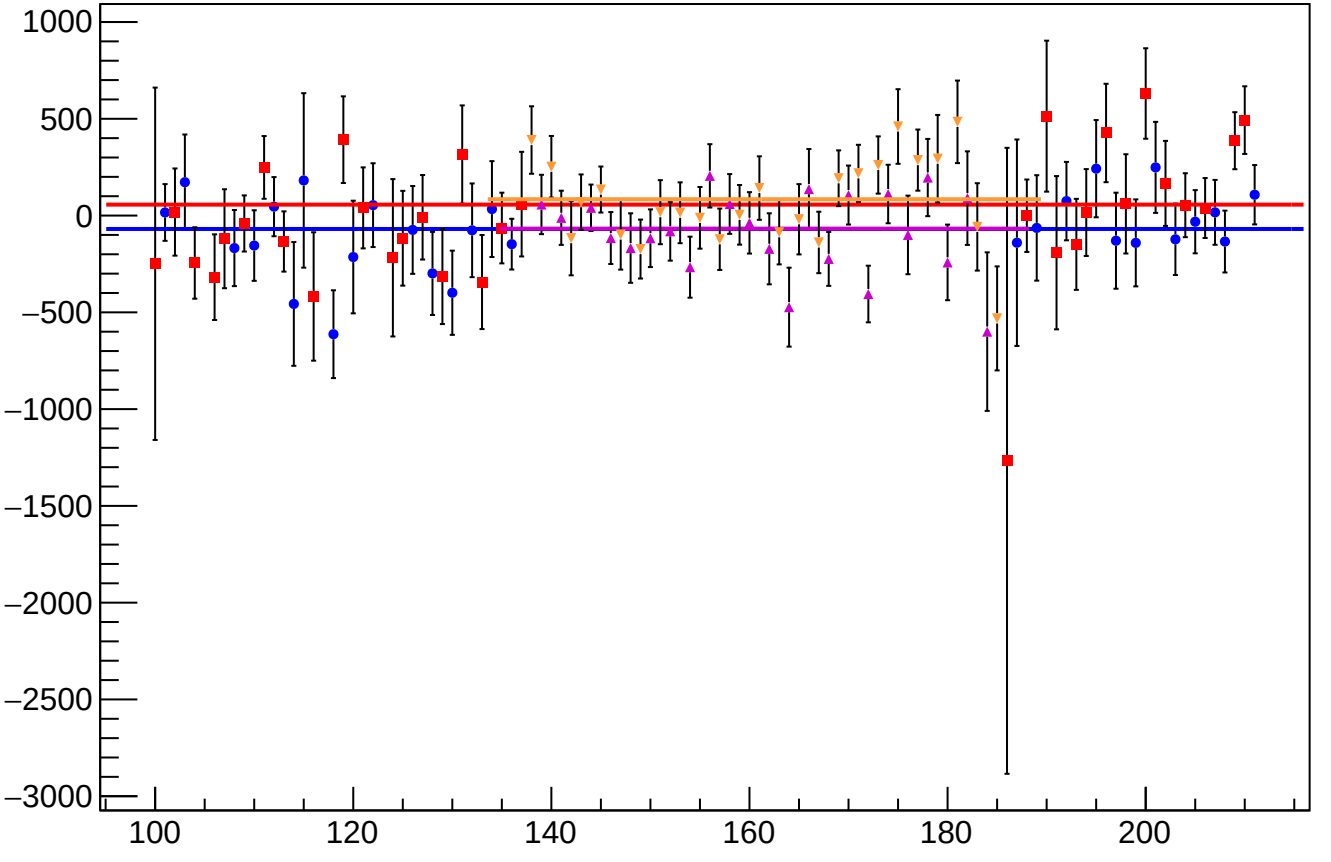
Left In: 1094.478+/-0.183 χ^2/NDF:732975.2/22

+ sign 1224.580+/-0.153 χ^2/NDF: 7561485.4/52

All: 1226.174+/-0.109 χ^2/NDF: 16592101.8/1

- sign 1227.789+/-0.154 χ^2/NDF: 9030398.3/55

cor_asym_sam_48_avg_mean vs Slug



Right In: -69.258+/-38.393 χ^2/NDF: 20.4/27

Left Out: 84.338+/-33.036 χ^2/NDF:33.8/24

Right Out: 56.585+/-37.583 χ^2/NDF: 44.4/32

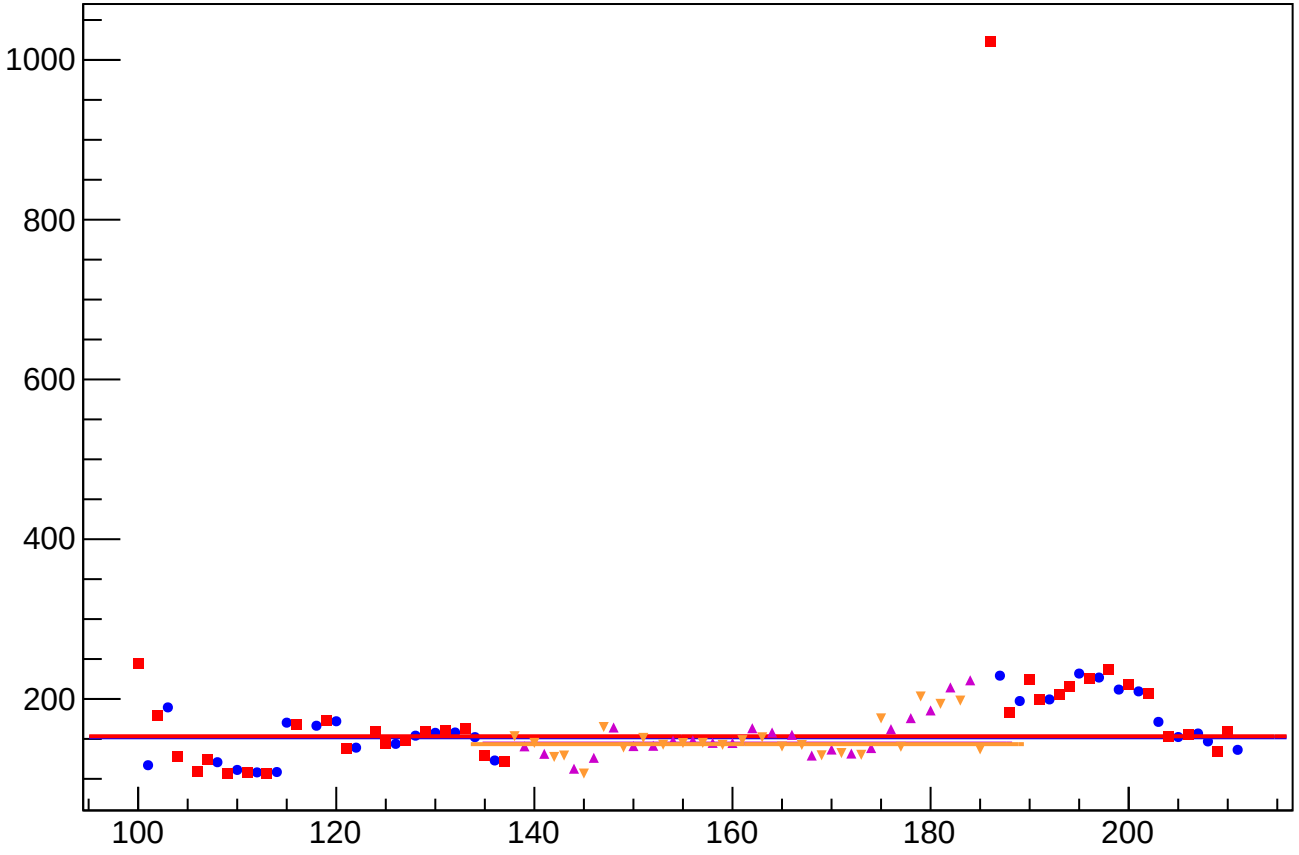
Left In: -67.648+/-34.137 χ^2/NDF:26.5/22

+ sign 18.996+/-25.041 χ^2/NDF: 63.4/52

All: 3.893+/-17.787 χ^2/NDF: 141.0/108

- sign -11.486+/-25.269 χ^2/NDF: 76.9/55

cor_asym_sam_48_avg_rms vs Slug



Right In: 152.037+/-0.027 χ^2/NDF: 1542398.7/27

Left Out: 143.444+/-0.023 χ^2/NDF:747040.9/24

Right Out: 153.309+/-0.027 χ^2/NDF: 2482546.1/32

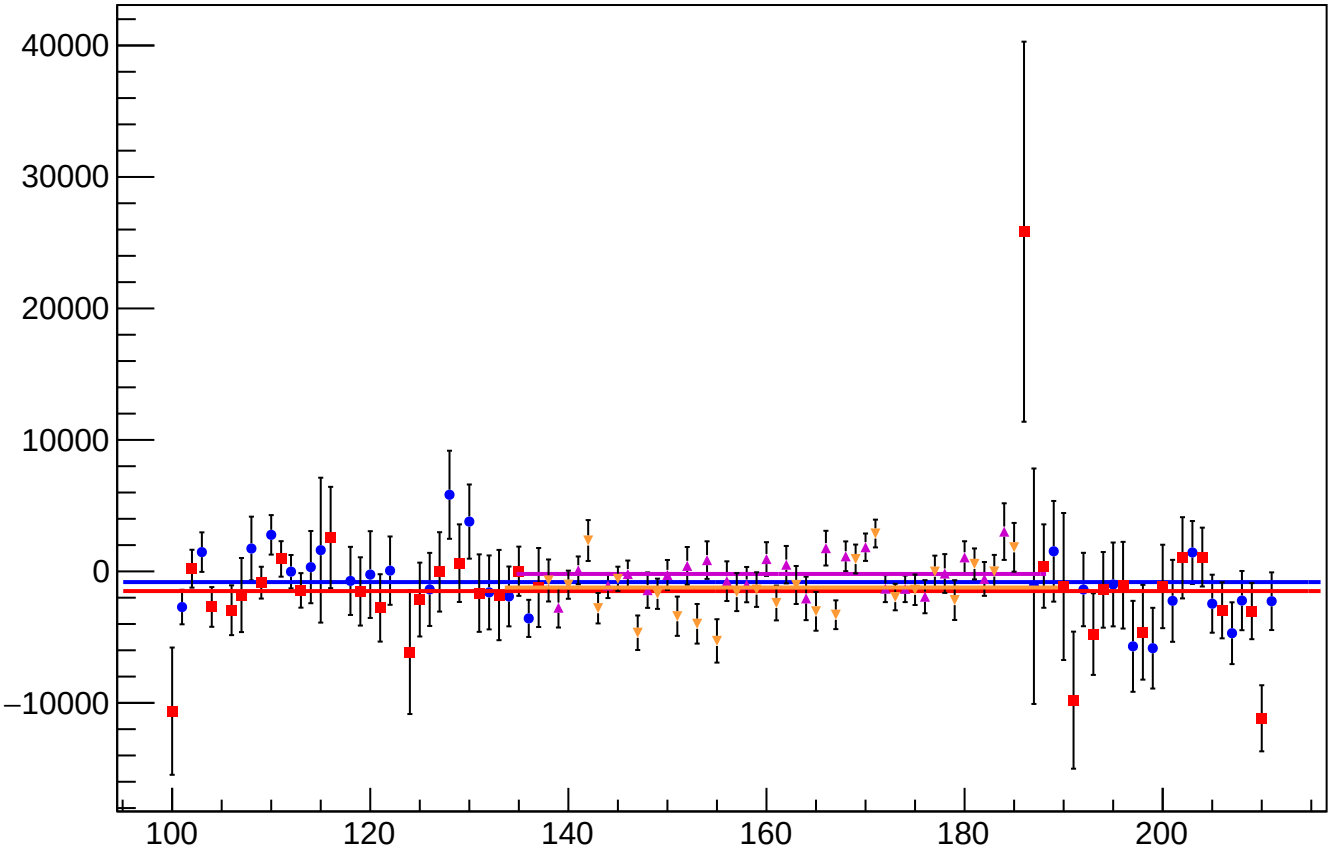
Left In: 144.170+/-0.024 χ^2/NDF:702713.8/22

+ sign 147.099+/-0.018 χ^2/NDF: 2347012.2/52

All: 147.695+/-0.013 χ^2/NDF: 5599355.4/108

- sign 148.302+/-0.018 χ^2/NDF: 3250058.1/55

asym_sam_48_avg_cor_correction_mean vs Slug



Right In: -812.461+/-424.723 χ^2/NDF: 33.2/27

Left Out: -1225.031+/-251.767 χ^2/NDF:59.3/24

Right Out: -1497.016+/-404.614 χ^2/NDF: 39.7/32

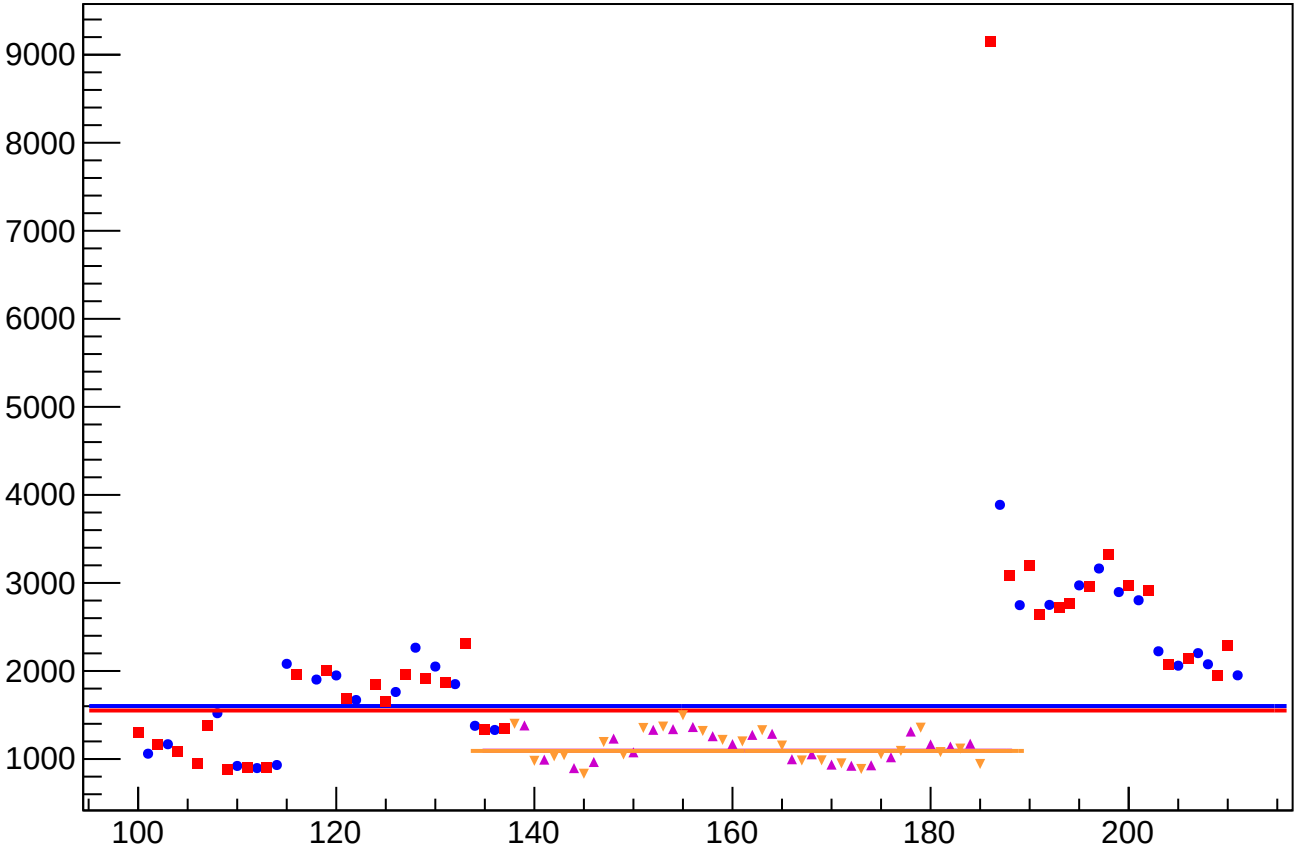
Left In: -193.808+/-258.922 χ^2/NDF:23.3/22

+ sign -1117.755+/-216.575 χ^2/NDF: 93.2/52

All: -846.992+/-153.675 χ^2/NDF: 166.7/108

- sign -572.429+/-218.090 χ^2/NDF: 70.4/55

asym_sam_48_avg_cor_correction_rms vs Slug



Right In: 1601.950+/-0.300 χ^2/NDF: 4535360.5/27

Left Out: 1091.979+/-0.178 χ^2/NDF:892441.9/24

Right Out: 1551.168+/-0.286 χ^2/NDF: 6504802.9/32

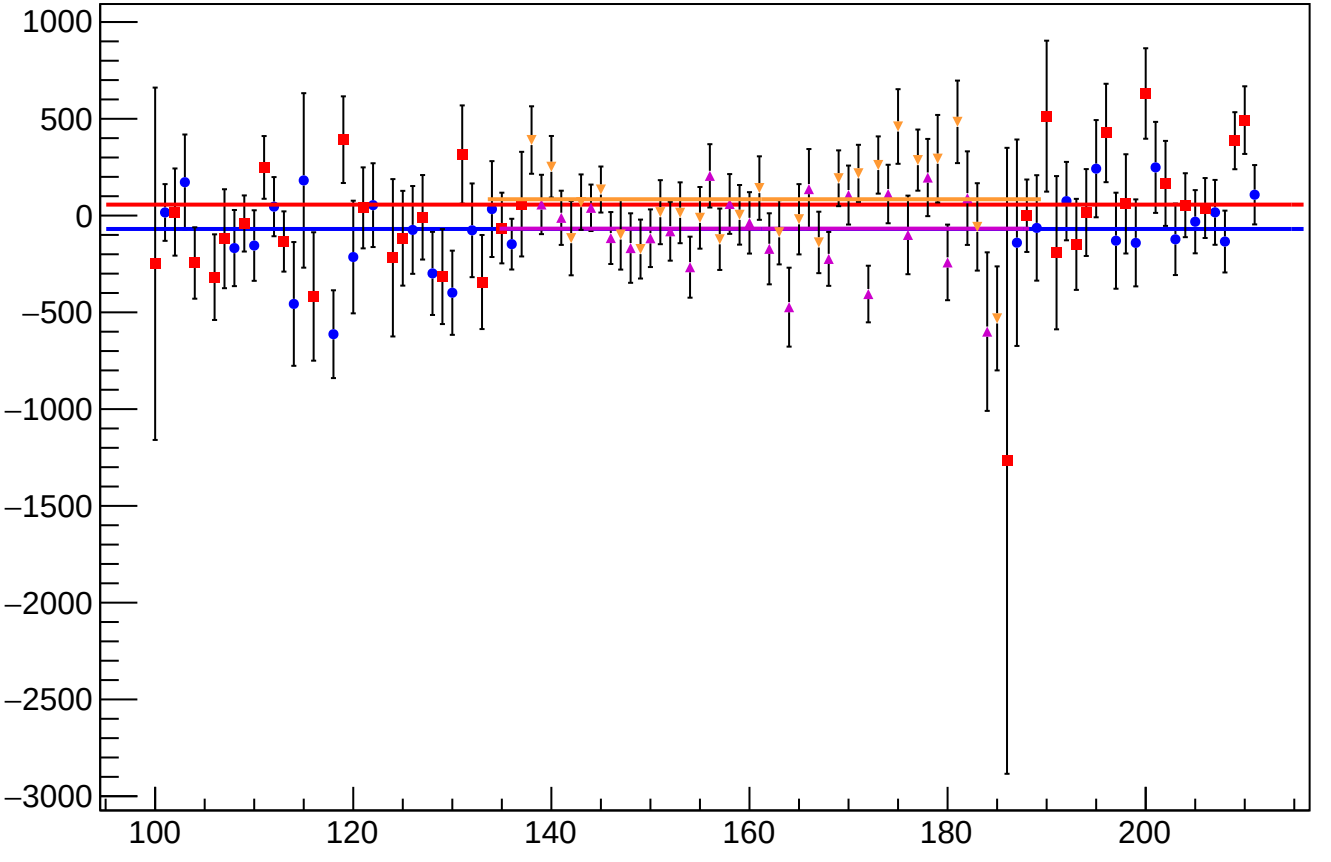
Left In: 1094.479+/-0.183 χ^2/NDF:732975.7/22

+ sign 1224.582+/-0.153 χ^2/NDF: 7561474.6/52

All: 1225.862+/-0.109 χ^2/NDF: 16607087.6/1

- sign 1227.160+/-0.154 χ^2/NDF: 9045472.3/55

eigen_cor_asym_sam_48_avg_mean vs Slug



Right In: -69.258+/-38.393 χ^2/NDF: 20.4/27

Left Out: 84.338+/-33.036 χ^2/NDF:33.8/24

Right Out: 56.585+/-37.583 χ^2/NDF: 44.4/32

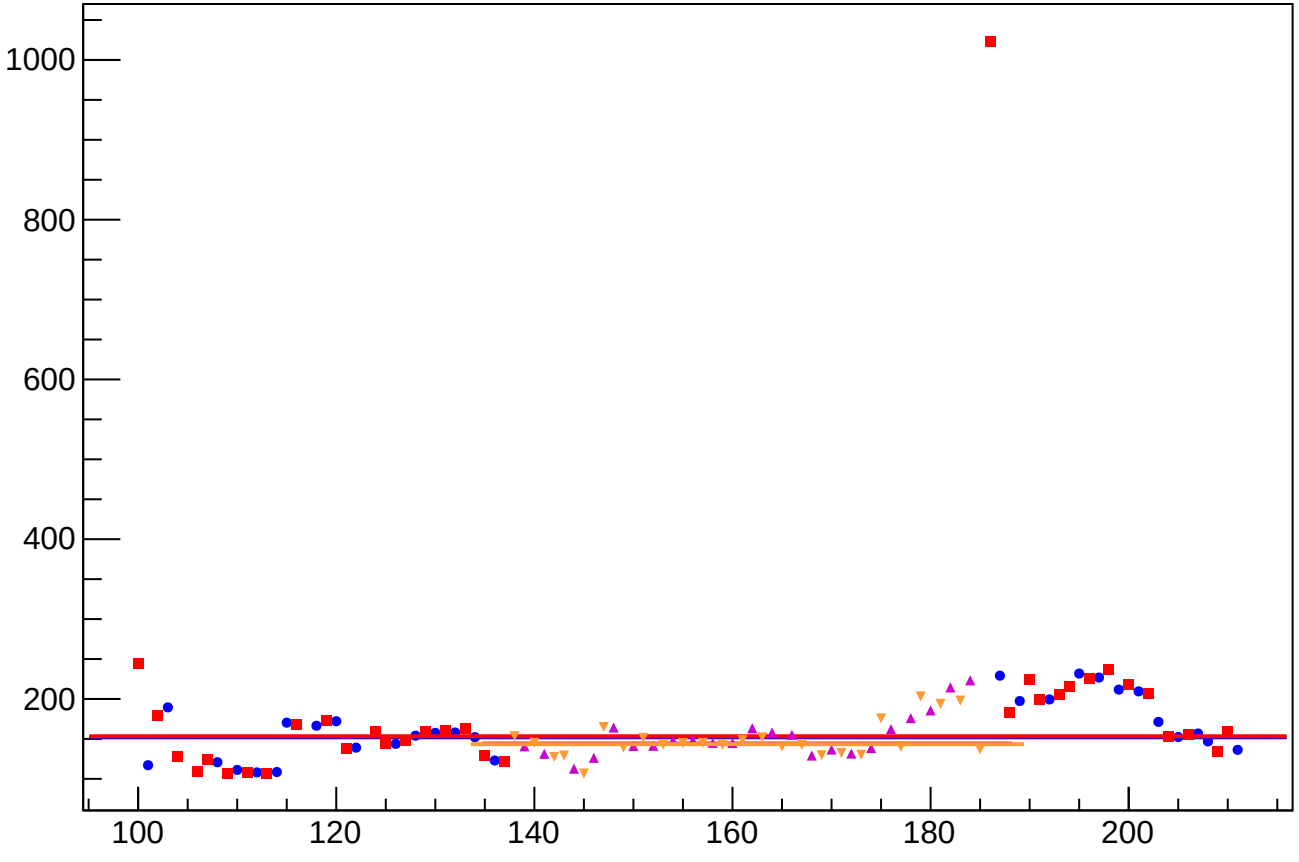
Left In: -67.648+/-34.137 χ^2/NDF:26.5/22

+ sign 18.996+/-25.041 χ^2/NDF: 63.4/52

All: 3.893+/-17.787 χ^2/NDF: 141.0/108

- sign -11.486+/-25.269 χ^2/NDF: 76.9/55

eigen_cor_asym_sam_48_avg_rms vs Slug



Right In: 152.037+/-0.027 χ^2/NDF: 1542398.7/27

Left Out: 143.444+/-0.023 χ^2/NDF:747040.9/24

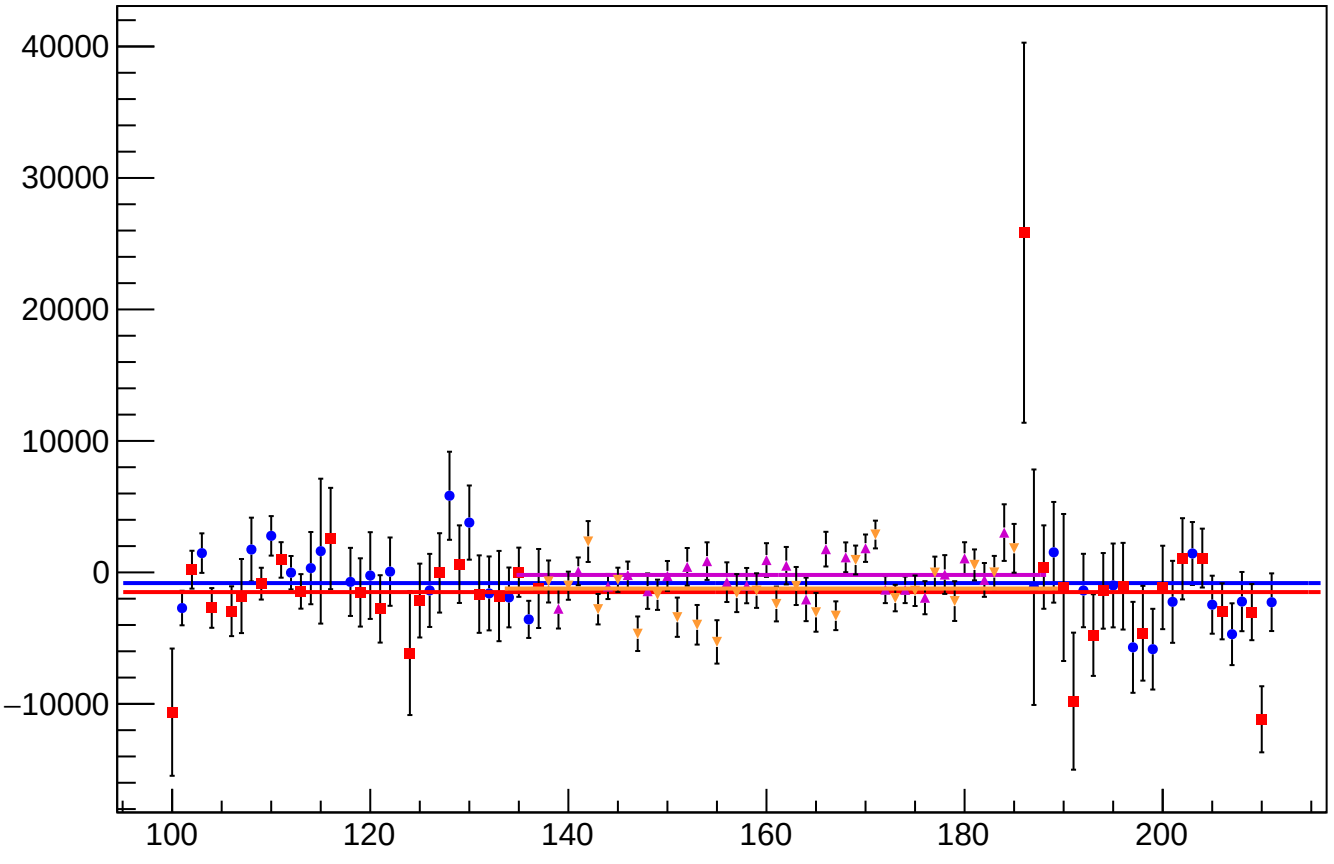
Right Out: 153.309+/-0.027 χ^2/NDF: 2482546.1/32

Left In: 144.170+/-0.024 χ^2/NDF:702713.8/22

+ sign 147.099+/-0.018 χ^2/NDF: 2347012.2/52

All: 147.695+/-0.013 χ^2/NDF: 5599355.4/108

- sign 148.302+/-0.018 χ^2/NDF: 3250058.1/55



Right In: -812.461+/-424.723 χ^2/NDF: 33.2/27

Left Out: -1225.031+/-251.767 χ^2/NDF:59.3/24

Right Out: -1497.016+/-404.614 χ^2/NDF: 39.7/32

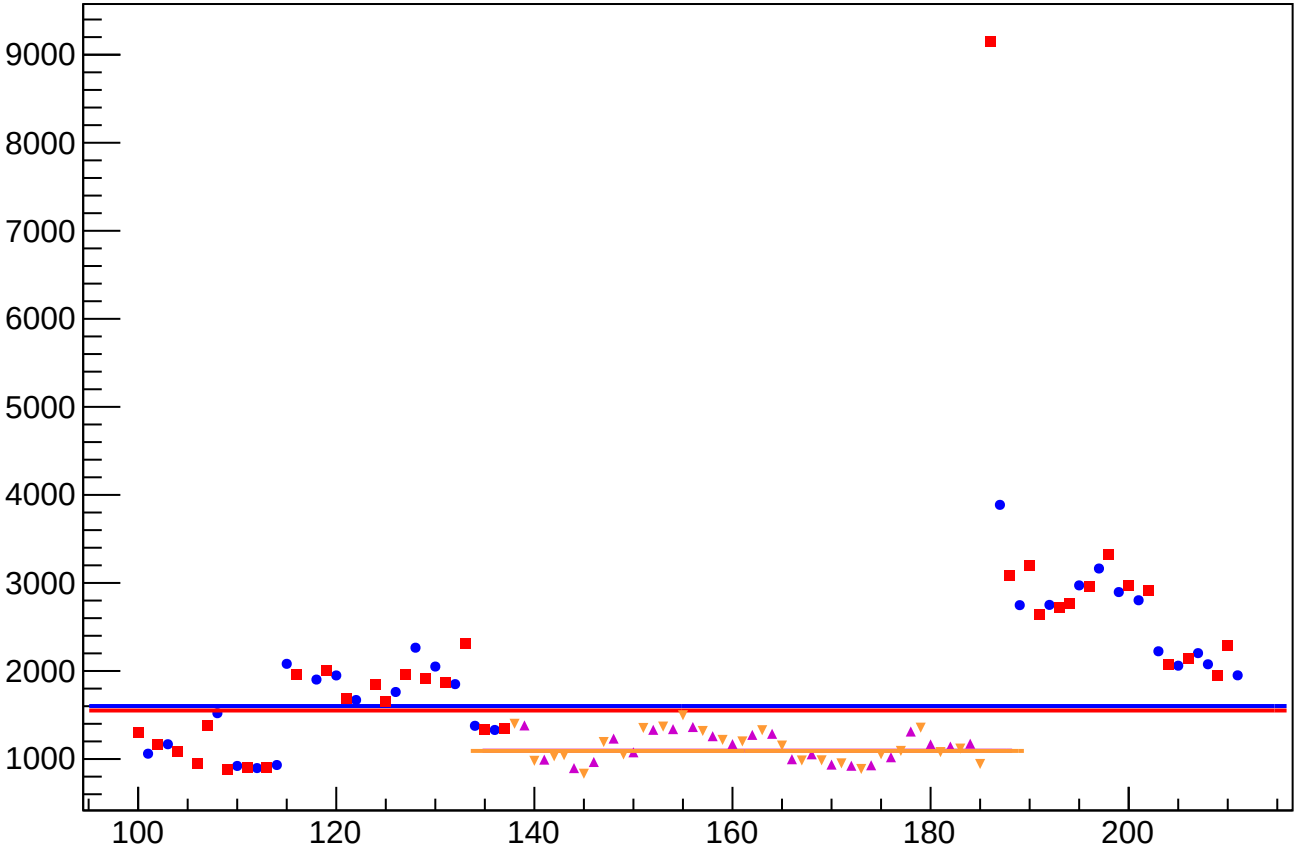
Left In: -193.808+/-258.922 χ^2/NDF:23.3/22

+ sign -1117.755+/-216.575 χ^2/NDF: 93.2/52

All: -846.992+/-153.675 χ^2/NDF: 166.7/108

- sign -572.429+/-218.090 χ^2/NDF: 70.4/55

asym_sam_48_avg_eigen_cor_correction_rms vs Slug



Right In: 1601.950+/-0.300 χ^2/NDF: 4535360.5/27

Left Out: 1091.979+/-0.178 χ^2/NDF:892441.9/24

Right Out: 1551.168+/-0.286 χ^2/NDF: 6504802.9/32

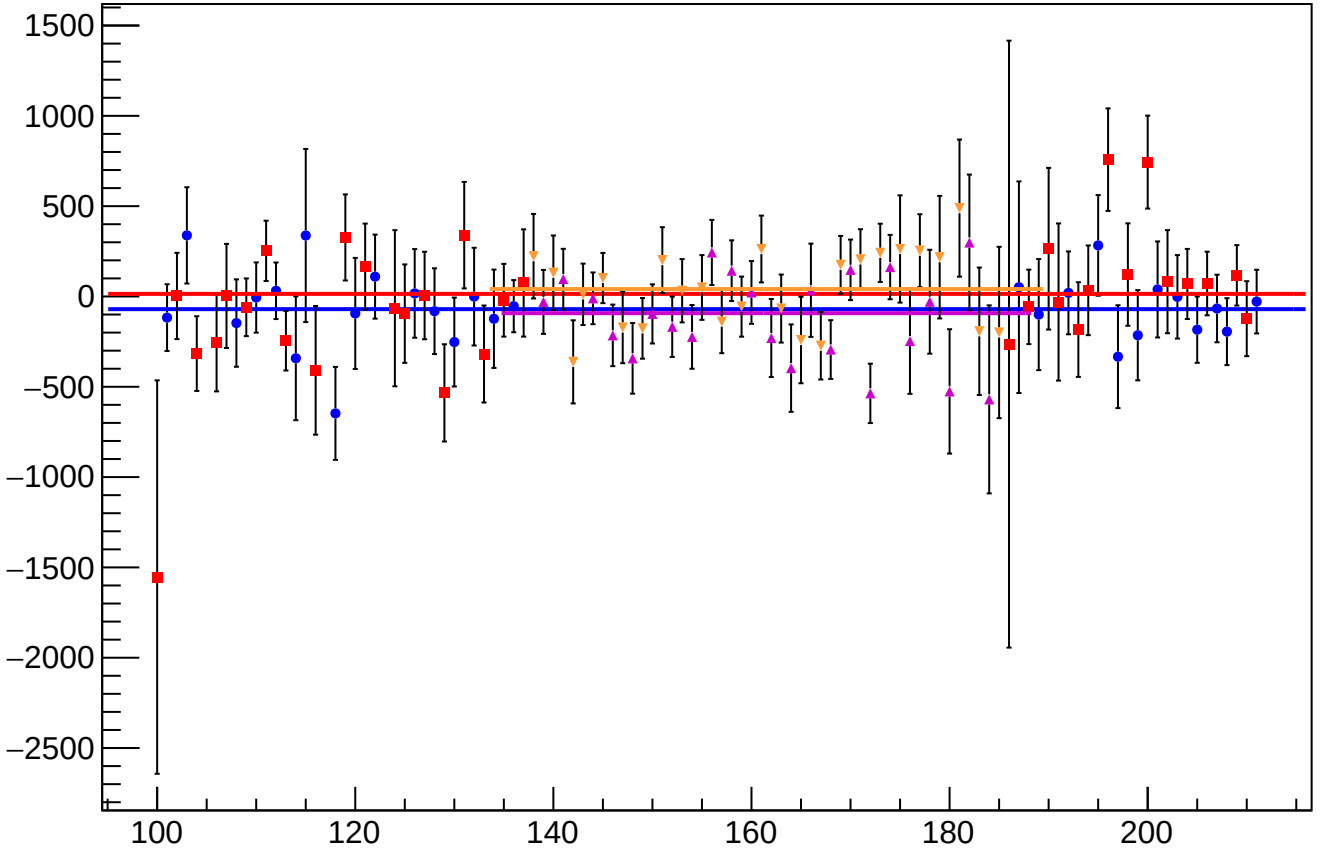
Left In: 1094.479+/-0.183 χ^2/NDF:732975.7/22

+ sign 1224.582+/-0.153 χ^2/NDF: 7561474.6/52

All: 1225.862+/-0.109 χ^2/NDF: 16607087.6/1

- sign 1227.160+/-0.154 χ^2/NDF: 9045472.3/55

dit_asym_sam_48_avg_mean vs Slug



Right In: -70.188+/-43.157 χ^2/NDF: 15.0/27

Left Out: 41.086+/-39.177 χ^2/NDF:22.3/24

Right Out: 14.249+/-41.937 χ^2/NDF: 38.2/32

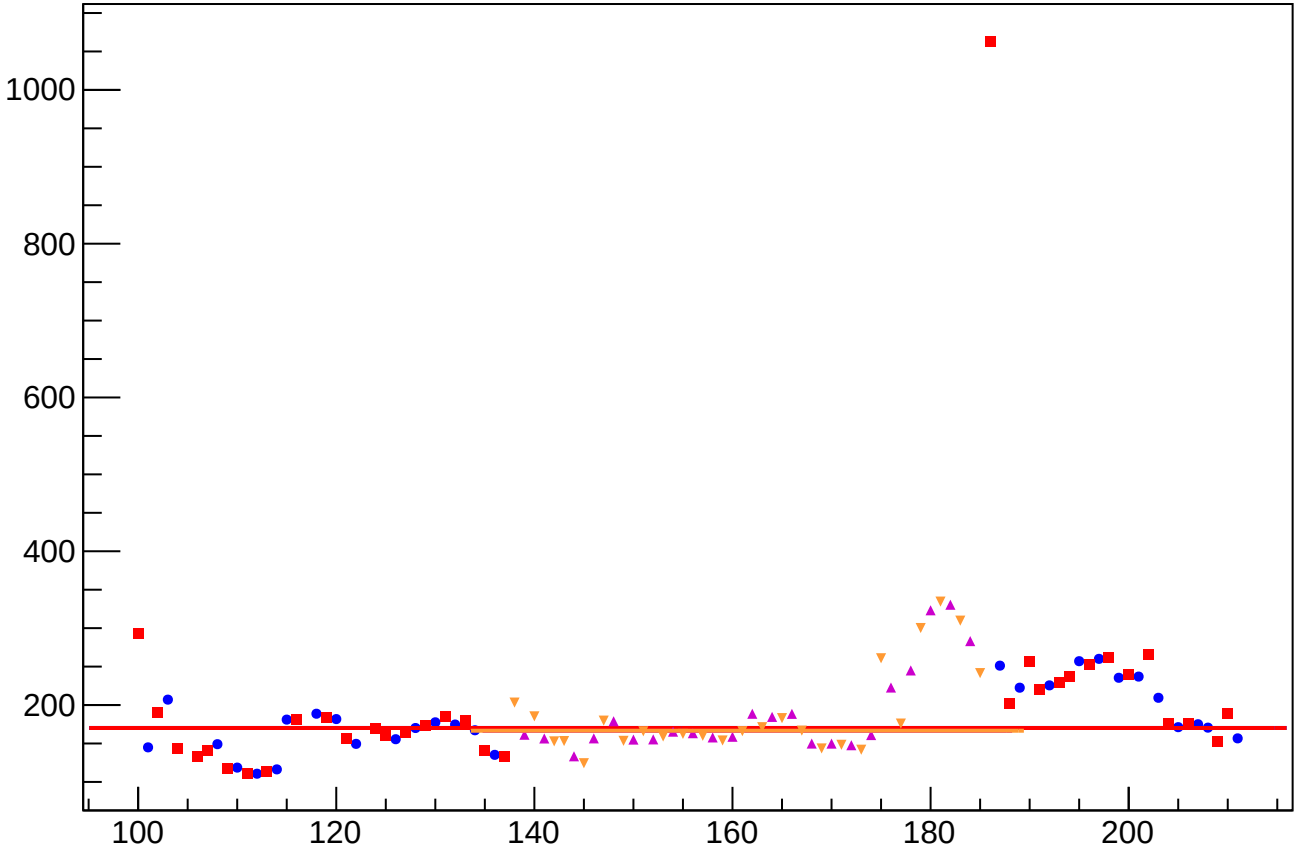
Left In: -92.556+/-40.165 χ^2/NDF:29.5/22

+ sign -9.185+/-29.007 χ^2/NDF: 40.9/52

All: -25.321+/-20.511 χ^2/NDF: 112.7/108

- sign -41.457+/-29.007 χ^2/NDF: 71.1/55

dit_asym_sam_48_avg_rms vs Slug



Right In: 170.190+/-0.031 χ^2/NDF: 1666862.7/27

Left Out: 166.599+/-0.028 χ^2/NDF:1719835.6/24

Right Out: 170.149+/-0.030 χ^2/NDF: 2683392.4/32

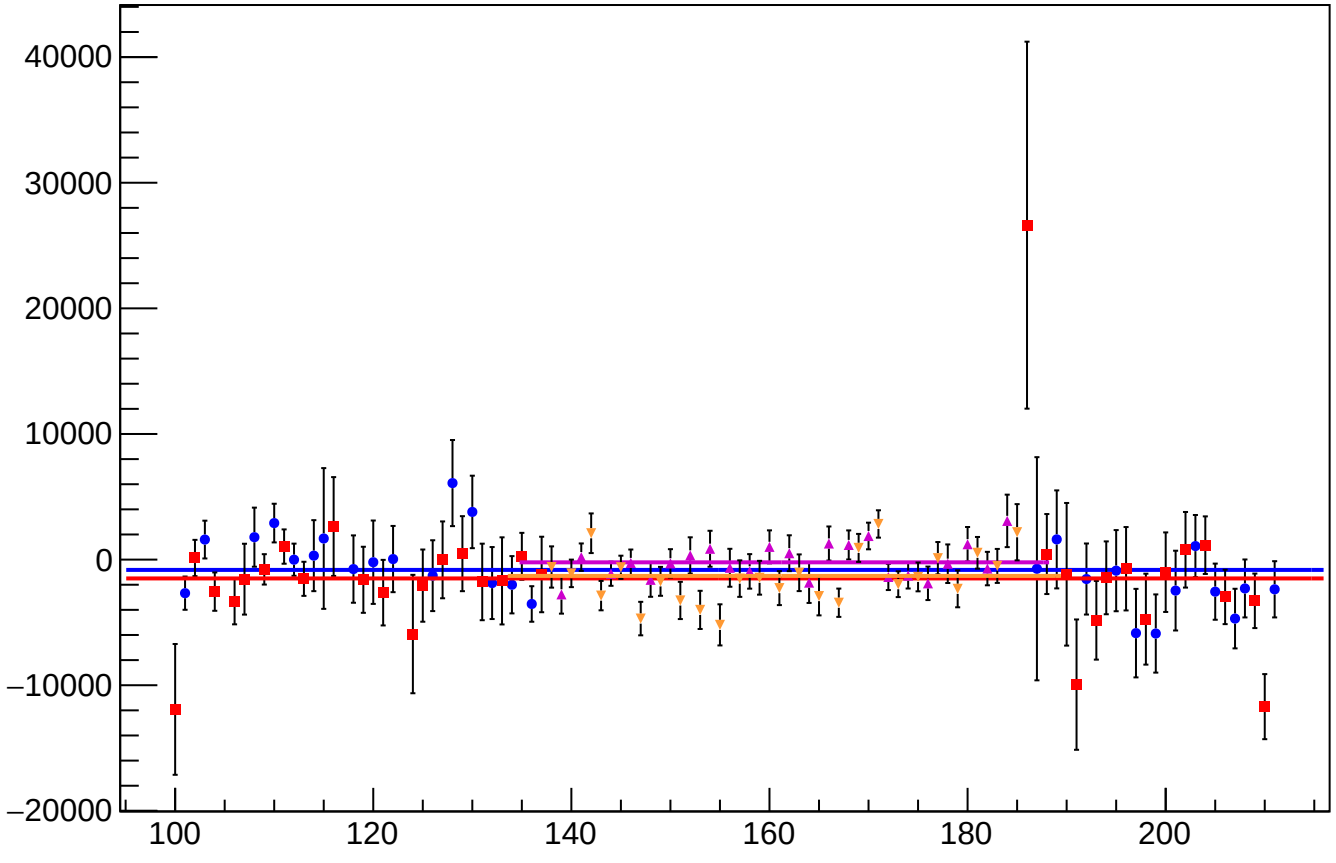
Left In: 166.308+/-0.028 χ^2/NDF:1392466.3/22

+ sign 168.221+/-0.021 χ^2/NDF: 3394291.2/52

All: 168.183+/-0.015 χ^2/NDF: 7478907.3/108

- sign 168.146+/-0.021 χ^2/NDF: 4084609.3/55

asym_sam_48_avg_dit_correction_mean vs Slug



Right In: -820.229+/-429.782 χ^2/NDF: 33.4/27

Left Out: -1298.333+/-256.961 χ^2/NDF:55.1/24

Right Out: -1499.123+/-407.977 χ^2/NDF: 41.7/32

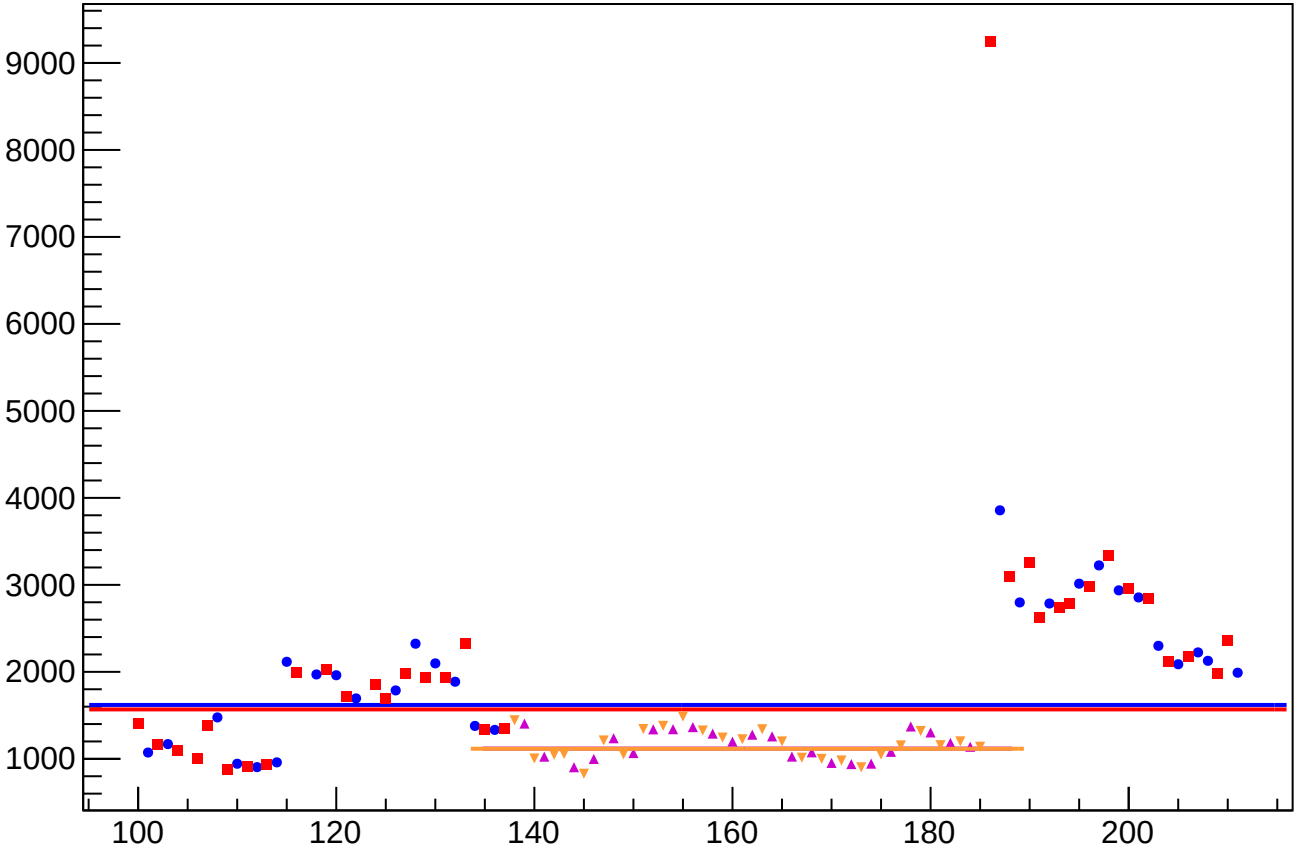
Left In: -217.285+/-264.388 χ^2/NDF:22.2/22

+ sign -1172.431+/-220.548 χ^2/NDF: 89.4/52

All: -886.139+/-156.417 χ^2/NDF: 163.7/108

- sign -596.397+/-221.872 χ^2/NDF: 70.9/55

asym_sam_48_avg_dit_correction_rms vs Slug



Right In: 1619.708+/-0.304 χ^2/NDF: 4606048.1/27

Left Out: 1116.034+/-0.182 χ^2/NDF:867489.3/24

Right Out: 1568.154+/-0.288 χ^2/NDF: 6474157.4/32

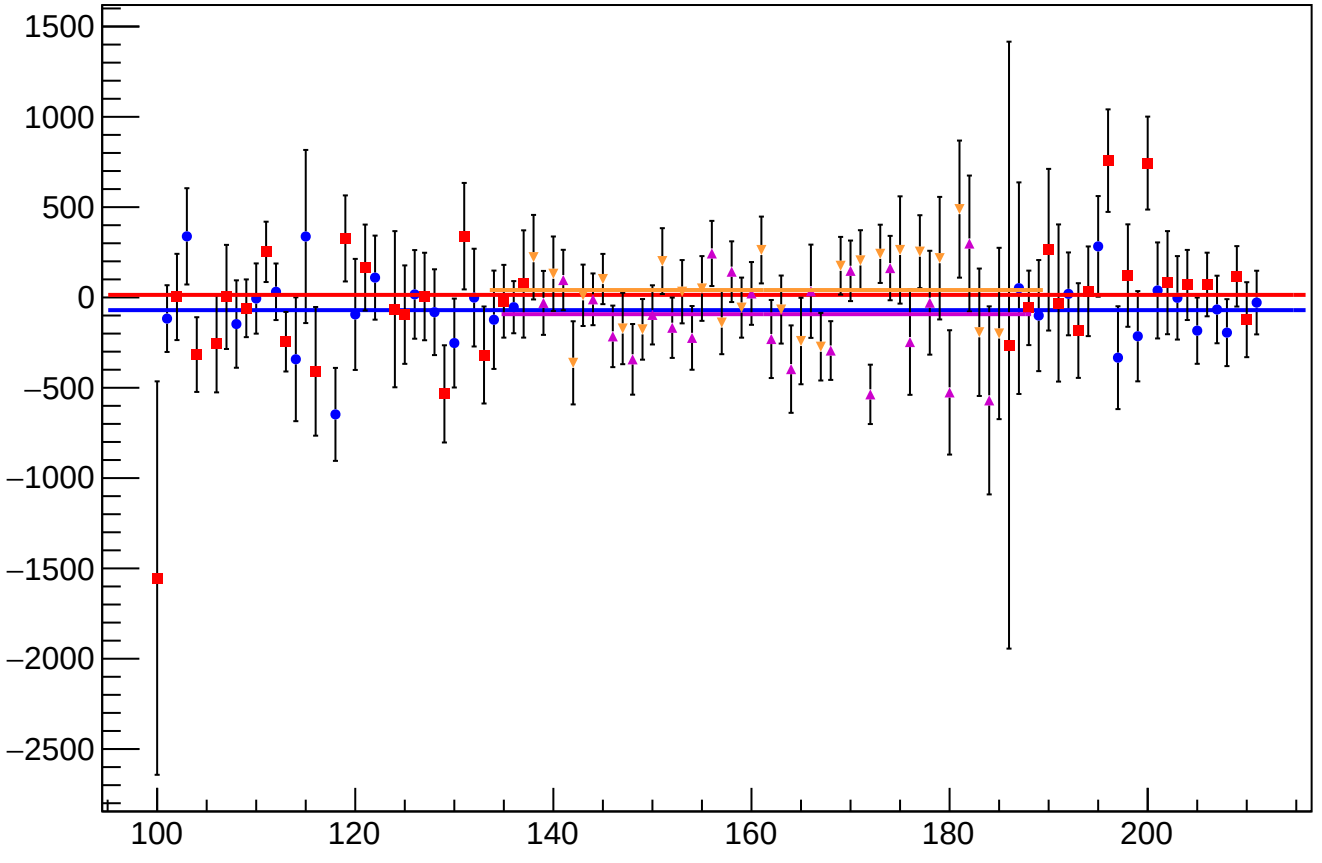
Left In: 1117.831+/-0.187 χ^2/NDF:729387.1/22

+ sign 1248.669+/-0.156 χ^2/NDF: 7497040.2/52

All: 1249.836+/-0.111 χ^2/NDF: 16416740.6/1

- sign 1251.017+/-0.157 χ^2/NDF: 8919587.7/55

eigen_dit_asym_sam_48_avg_mean vs Slug



Right In: -70.185+/-43.157 χ^2/NDF: 15.0/27

Left Out: 41.088+/-39.177 χ^2/NDF:22.3/24

Right Out: 14.251+/-41.937 χ^2/NDF: 38.2/32

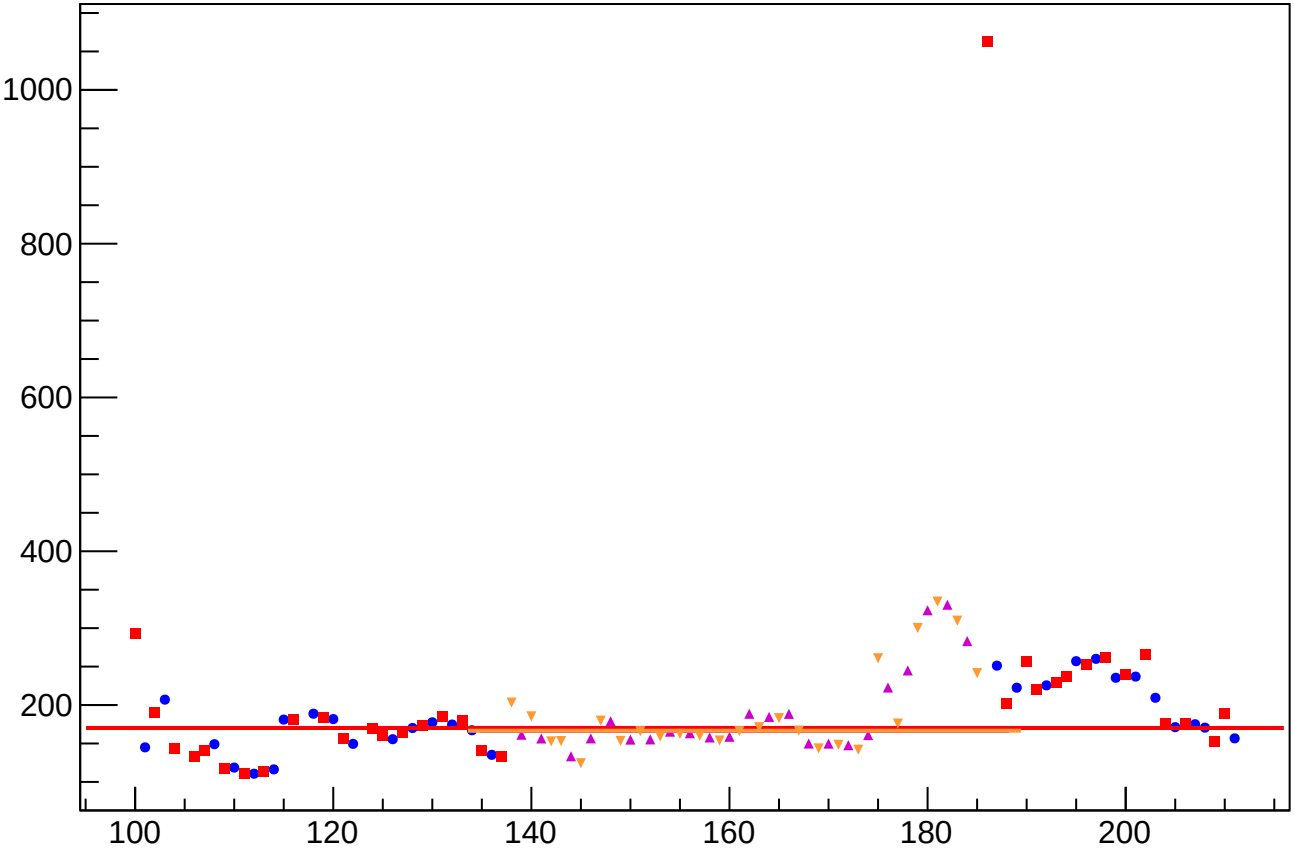
Left In: -92.556+/-40.165 χ^2/NDF:29.5/22

+ sign -9.182+/-29.007 χ^2/NDF: 40.9/52

All: -25.319+/-20.511 χ^2/NDF: 112.7/108

- sign -41.456+/-29.007 χ^2/NDF: 71.1/55

eigen_dit_asym_sam_48_avg_rms vs Slug



Right In: 170.190+/-0.031 χ^2/NDF: 1666849.4/27

Left Out: 166.599+/-0.028 χ^2/NDF:1719829.4/24

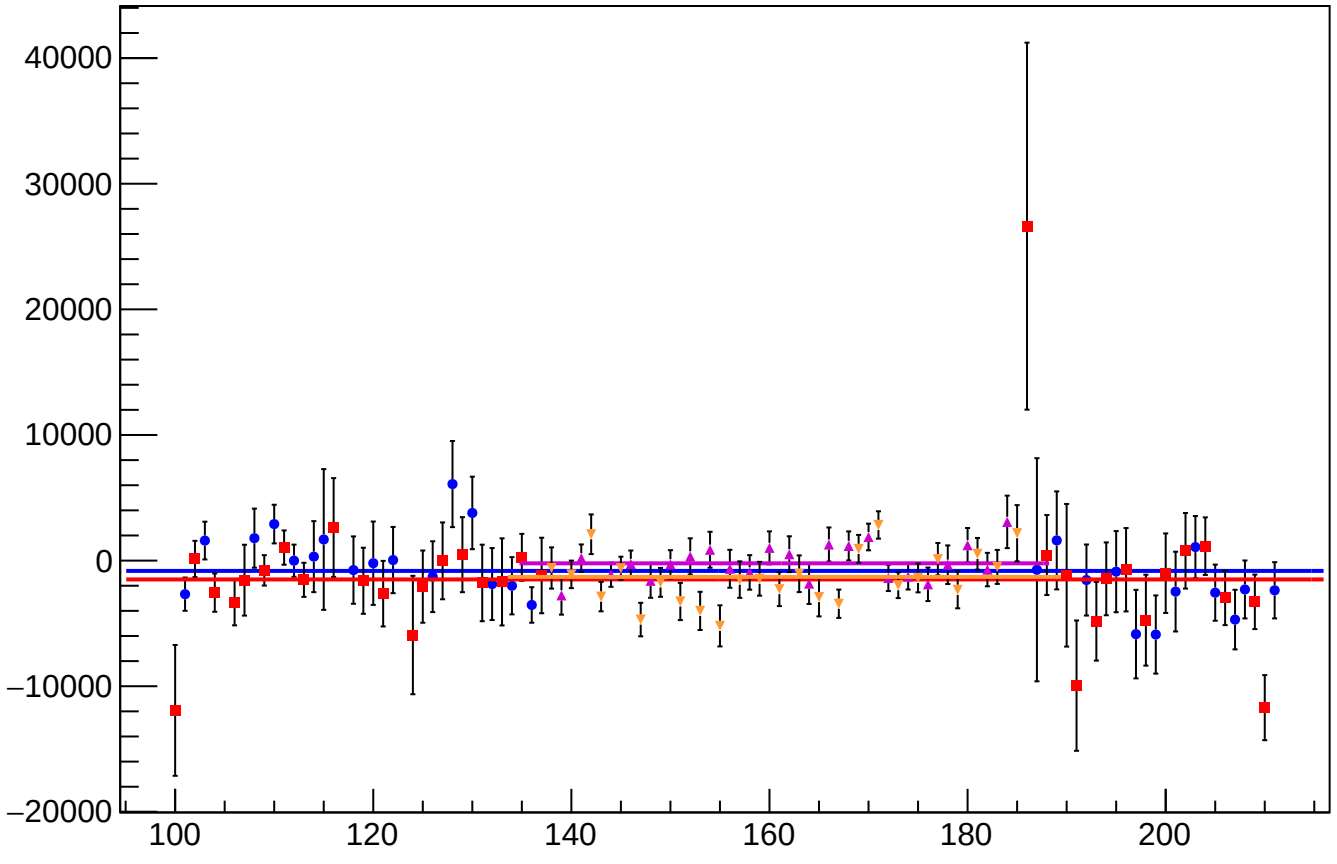
Right Out: 170.149+/-0.030 χ^2/NDF: 2683397.4/32

Left In: 166.308+/-0.028 χ^2/NDF:1392446.1/22

+ sign 168.221+/-0.021 χ^2/NDF: 3394270.5/52

All: 168.184+/-0.015 χ^2/NDF: 7478870.1/108

- sign 168.146+/-0.021 χ^2/NDF: 4084592.8/55



Right In: -820.227+/-429.781 χ^2/NDF: 33.4/27

Left Out: -1298.330+/-256.961 χ^2/NDF:55.1/24

Right Out: -1499.120+/-407.977 χ^2/NDF: 41.7/32

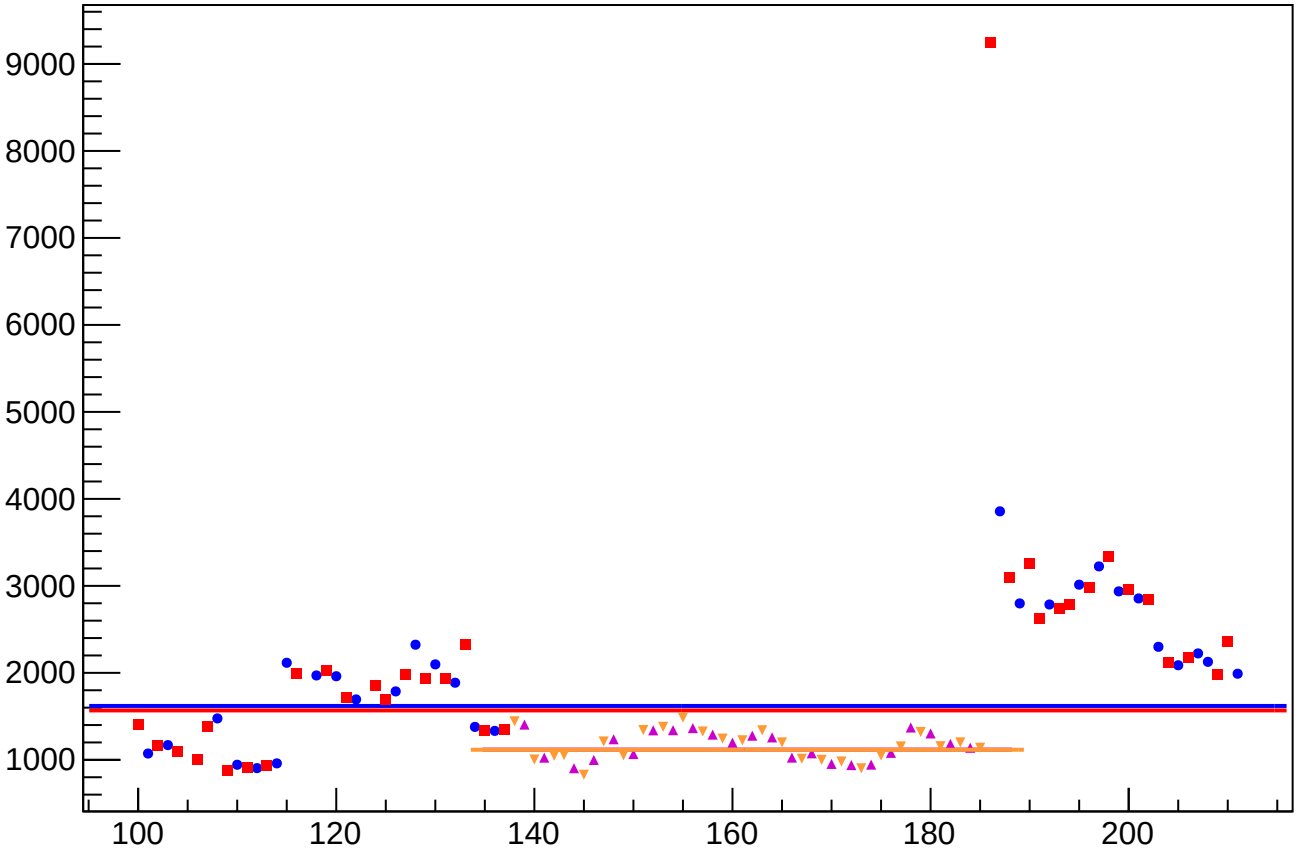
Left In: -217.283+/-264.388 χ^2/NDF:22.2/22

+ sign -1172.429+/-220.547 χ^2/NDF: 89.4/52

All: -886.136+/-156.417 χ^2/NDF: 163.7/108

- sign -596.395+/-221.872 χ^2/NDF: 70.9/55

asym_sam_48_avg_eigen_dit_correction_rms vs Slug



Right In: 1619.706+/-0.304 χ^2/NDF: 4606051.9/27

Left Out: 1116.032+/-0.182 χ^2/NDF:867491.2/24

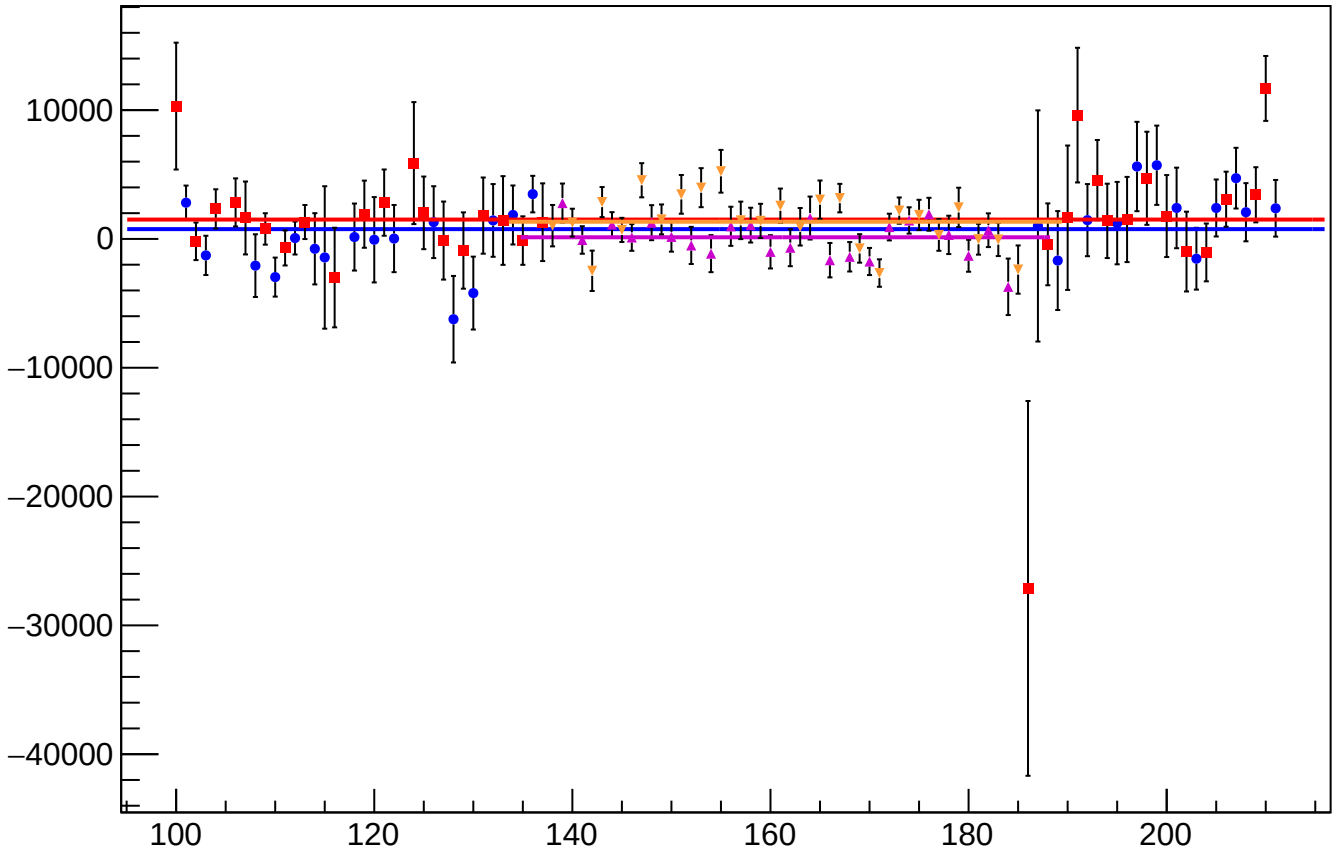
Right Out: 1568.152+/-0.288 χ^2/NDF: 6474157.6/32

Left In: 1117.829+/-0.187 χ^2/NDF:729386.0/22

+ sign 1248.667+/-0.156 χ^2/NDF: 7497053.7/52

All: 1249.834+/-0.111 χ^2/NDF: 16416759.8/1

- sign 1251.015+/-0.157 χ^2/NDF: 8919593.4/55



Right In: 760.428+/-427.312 χ^2/NDF: 34.4/27

Left Out: 1334.704+/-254.187 χ^2/NDF:55.7/24

Right Out: 1504.011+/-406.614 χ^2/NDF: 40.6/32

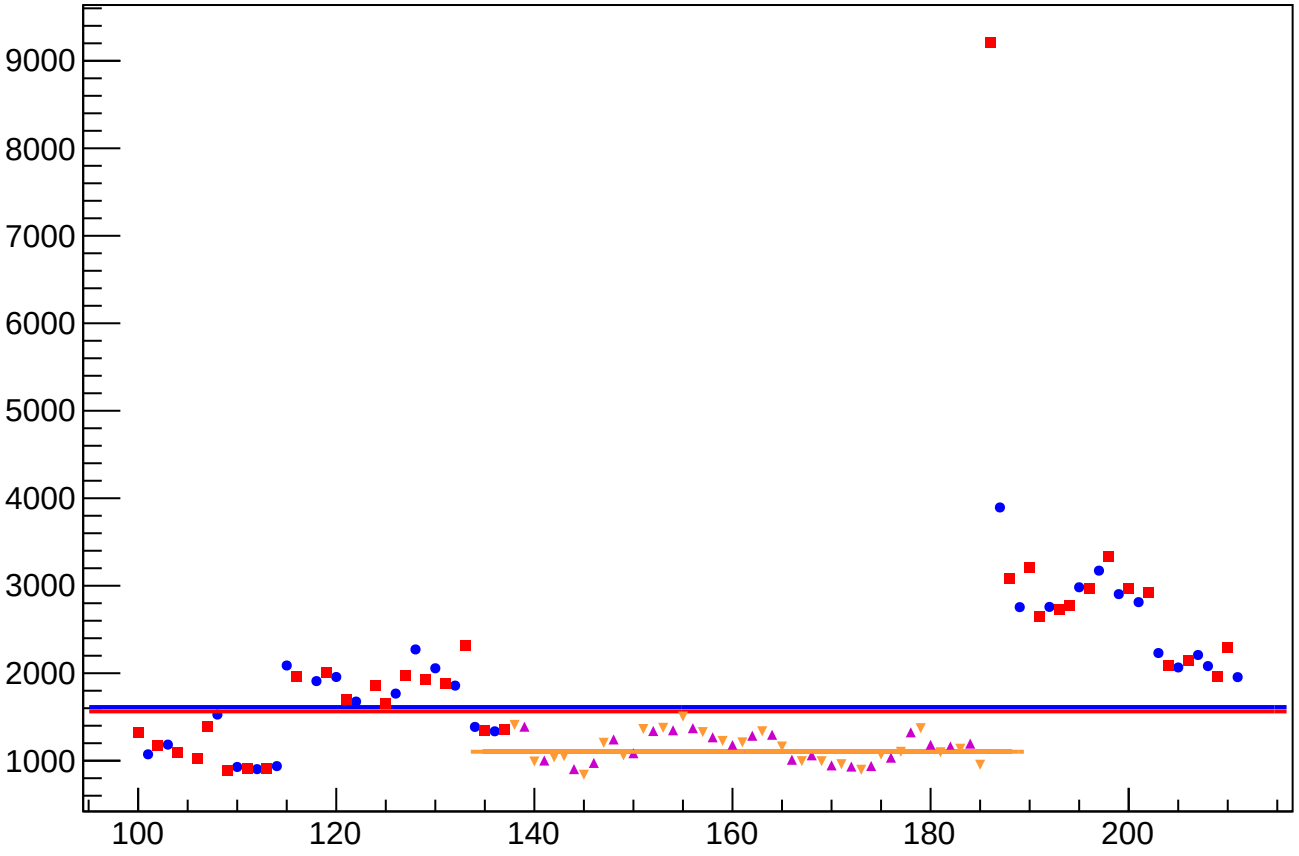
Left In: 128.368+/-261.415 χ^2/NDF:24.0/22

+ sign 1184.608+/-218.458 χ^2/NDF: 91.4/52

All: 859.781+/-154.978 χ^2/NDF: 168.6/108

- sign 530.677+/-219.892 χ^2/NDF: 72.7/55

asym_sam_48_avg_rms vs Slug



Right In: 1613.311+/-0.302 χ^2/NDF: 4478579.0/27

Left Out: 1102.700+/-0.180 χ^2/NDF:880468.6/24

Right Out: 1563.778+/-0.288 χ^2/NDF: 6413336.9/32

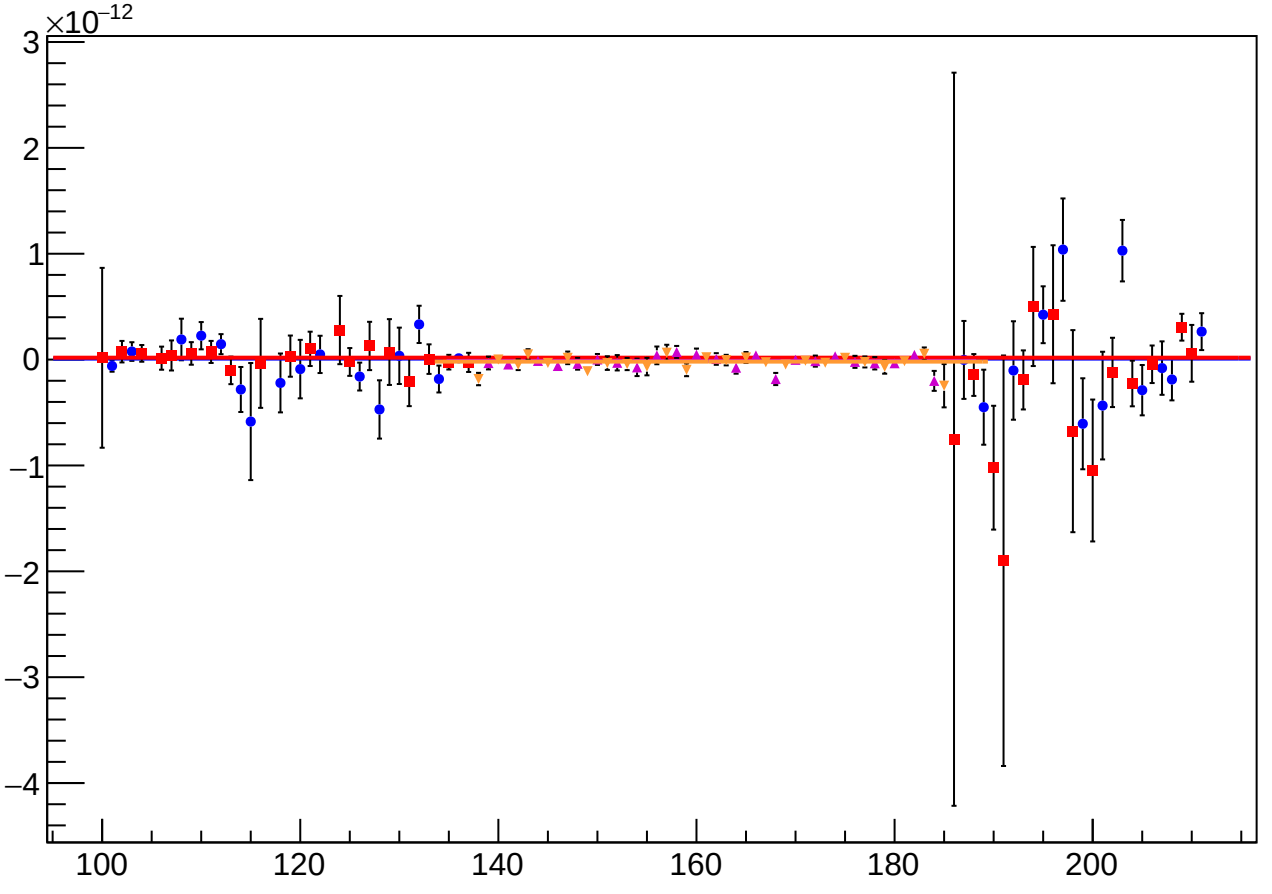
Left In: 1105.200+/-0.185 χ^2/NDF:723304.5/22

+ sign 1236.156+/-0.154 χ^2/NDF: 7468406.8/52

All: 1237.724+/-0.110 χ^2/NDF: 16405161.3/1

- sign 1239.312+/-0.155 χ^2/NDF: 8936547.1/55

asym_sam_48_avg_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 50.9/27

Left Out: -0.000+/-0.000 χ^2/NDF:26.5/24

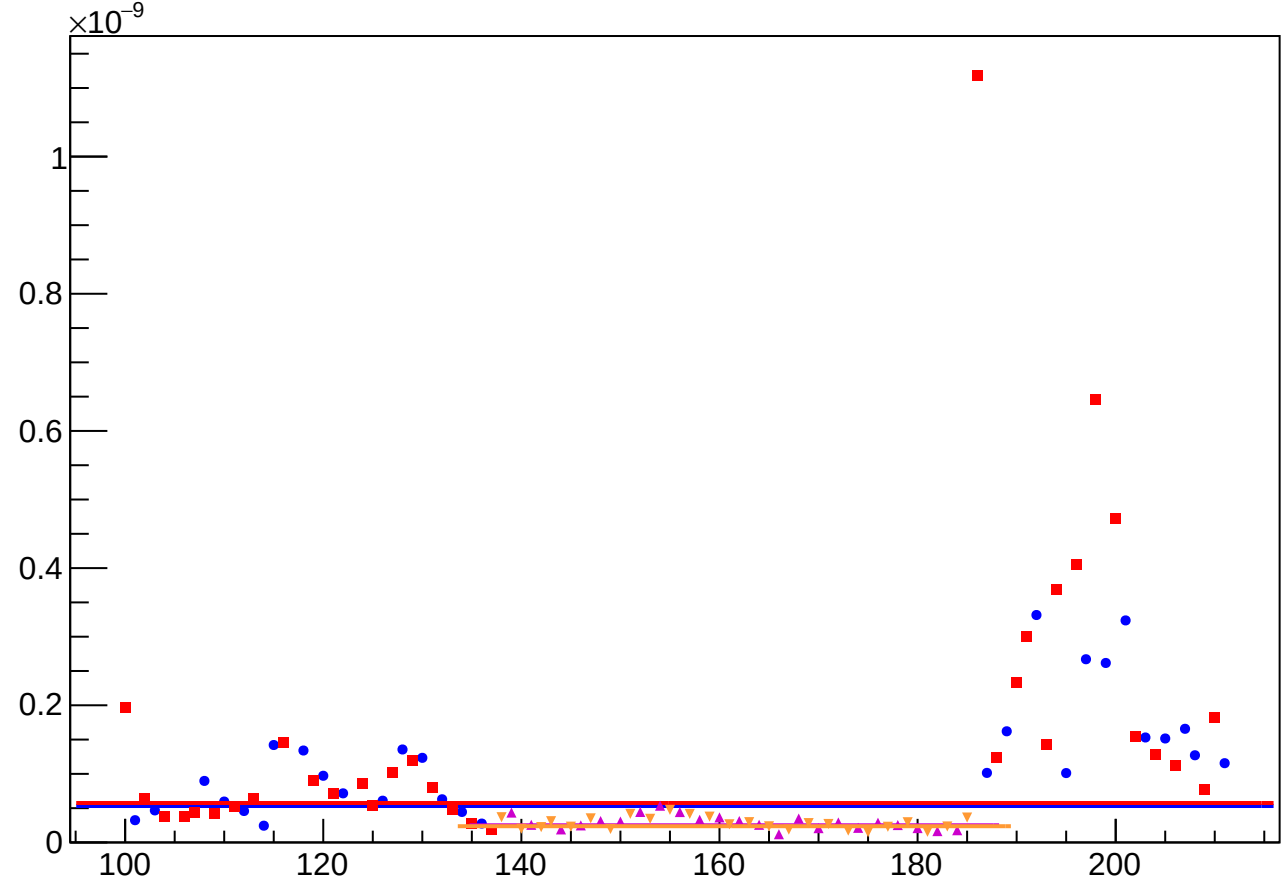
Right Out: 0.000+/-0.000 χ^2/NDF: 21.2/32

Left In: -0.000+/-0.000 χ^2/NDF:27.1/22

+ sign -0.000+/-0.000 χ^2/NDF: 78.4/52

All: -0.000+/-0.000 χ^2/NDF: 128.1/108

- sign -0.000+/-0.000 χ^2/NDF: 49.4/55



Right In: 0.000+/-0.000 χ^2/NDF: 5612275.7/27

Left Out: 0.000+/-0.000 χ^2/NDF:1433511.8/24

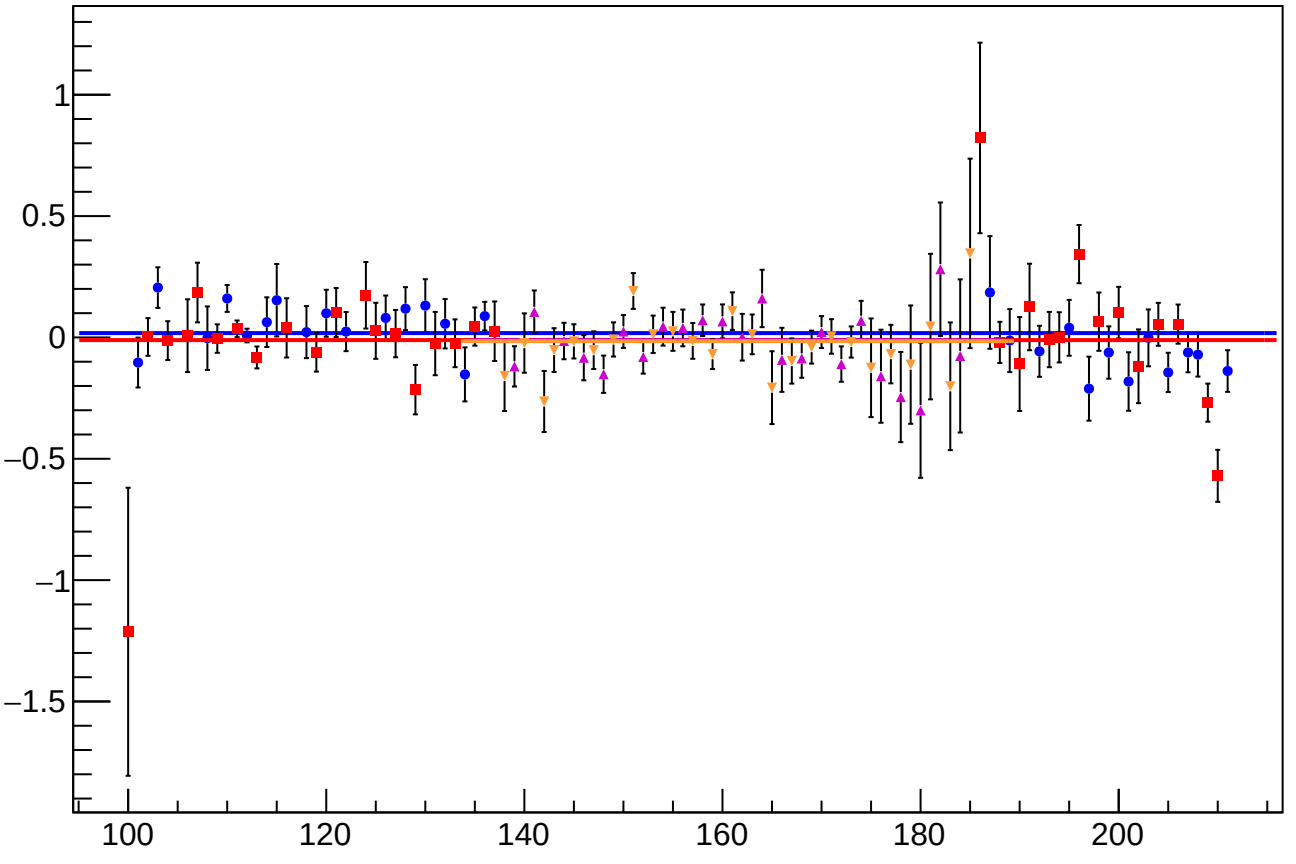
Right Out: 0.000+/-0.000 χ^2/NDF: 6011415.9/32

Left In: 0.000+/-0.000 χ^2/NDF:1544727.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 9414130.3/52

All: 0.000+/-0.000 χ^2/NDF: 19590440.1/108

- sign 0.000+/-0.000 χ^2/NDF: 10126412.0/55



Right In: 0.018+/-0.015 χ^2/NDF: 38.4/27

Left Out: -0.016+/-0.018 χ^2/NDF:21.6/24

Right Out: -0.011+/-0.015 χ^2/NDF: 74.9/32

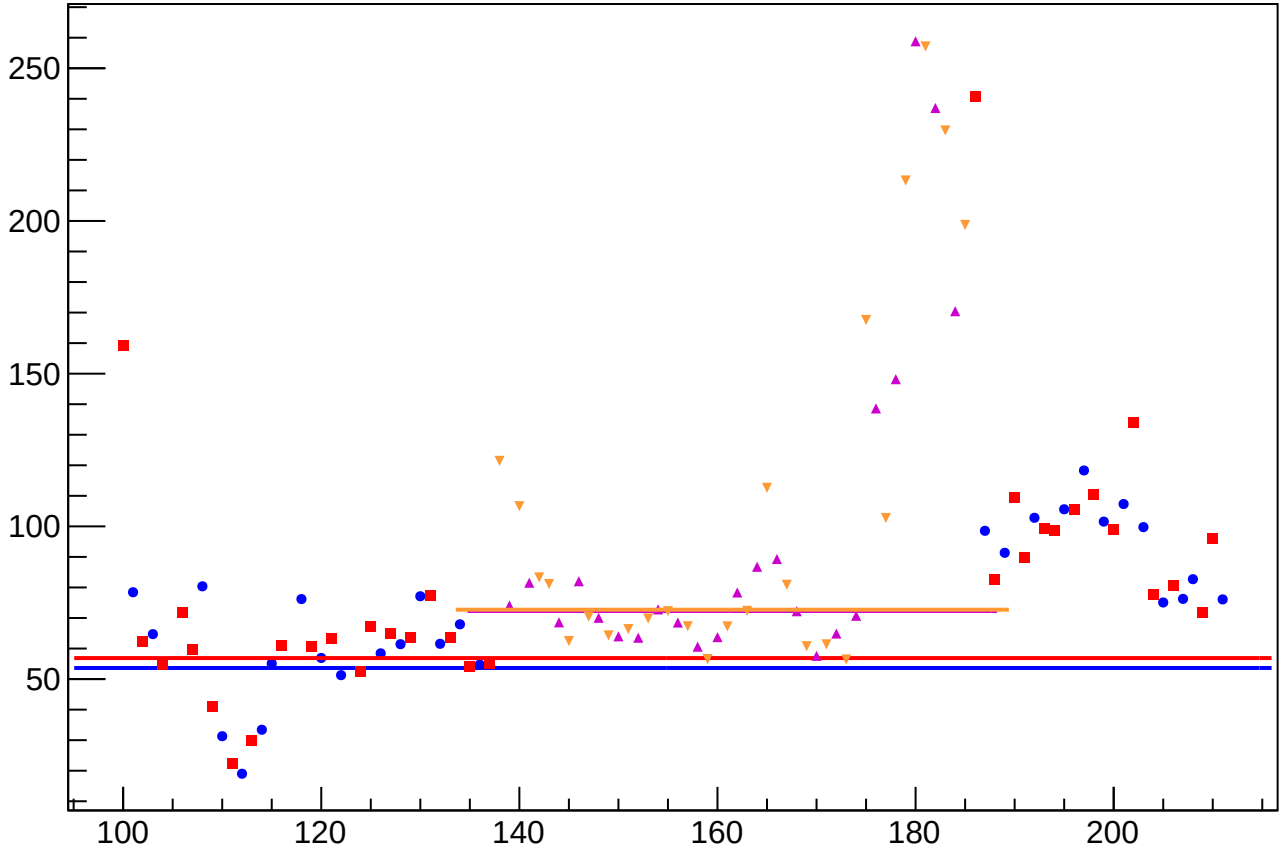
Left In: -0.011+/-0.018 χ^2/NDF:23.3/22

+ sign 0.004+/-0.012 χ^2/NDF: 62.0/52

All: -0.004+/-0.008 χ^2/NDF: 161.0/108

- sign -0.011+/-0.012 χ^2/NDF: 98.2/55

asym_sam_48_avg_dit_vs_cor_diff_rms vs Slug



Right In: 53.636+/-0.011 χ^2/NDF: 7227137.6/27

Left Out: 72.715+/-0.013 χ^2/NDF:3961158.6/24

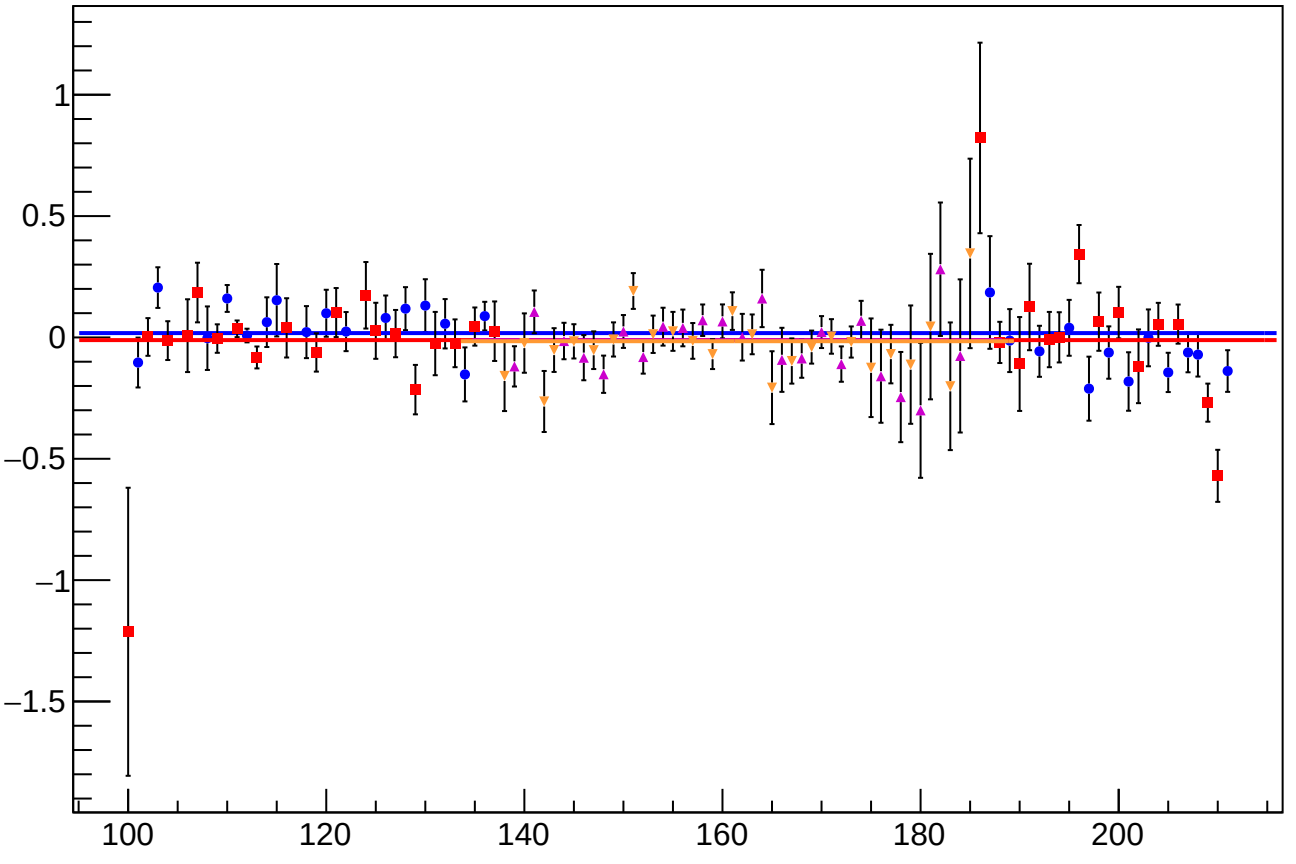
Right Out: 56.879+/-0.011 χ^2/NDF: 6730151.2/32

Left In: 72.298+/-0.013 χ^2/NDF:2790214.3/22

+ sign 61.675+/-0.008 χ^2/NDF: 12494052.9/52

All: 62.448+/-0.006 χ^2/NDF: 22871395.8/108

- sign 63.227+/-0.008 χ^2/NDF: 10359708.2/55



Right In: 0.018+/-0.015 χ^2/NDF: 38.4/27

Left Out: -0.016+/-0.018 χ^2/NDF:21.6/24

Right Out: -0.011+/-0.015 χ^2/NDF: 74.9/32

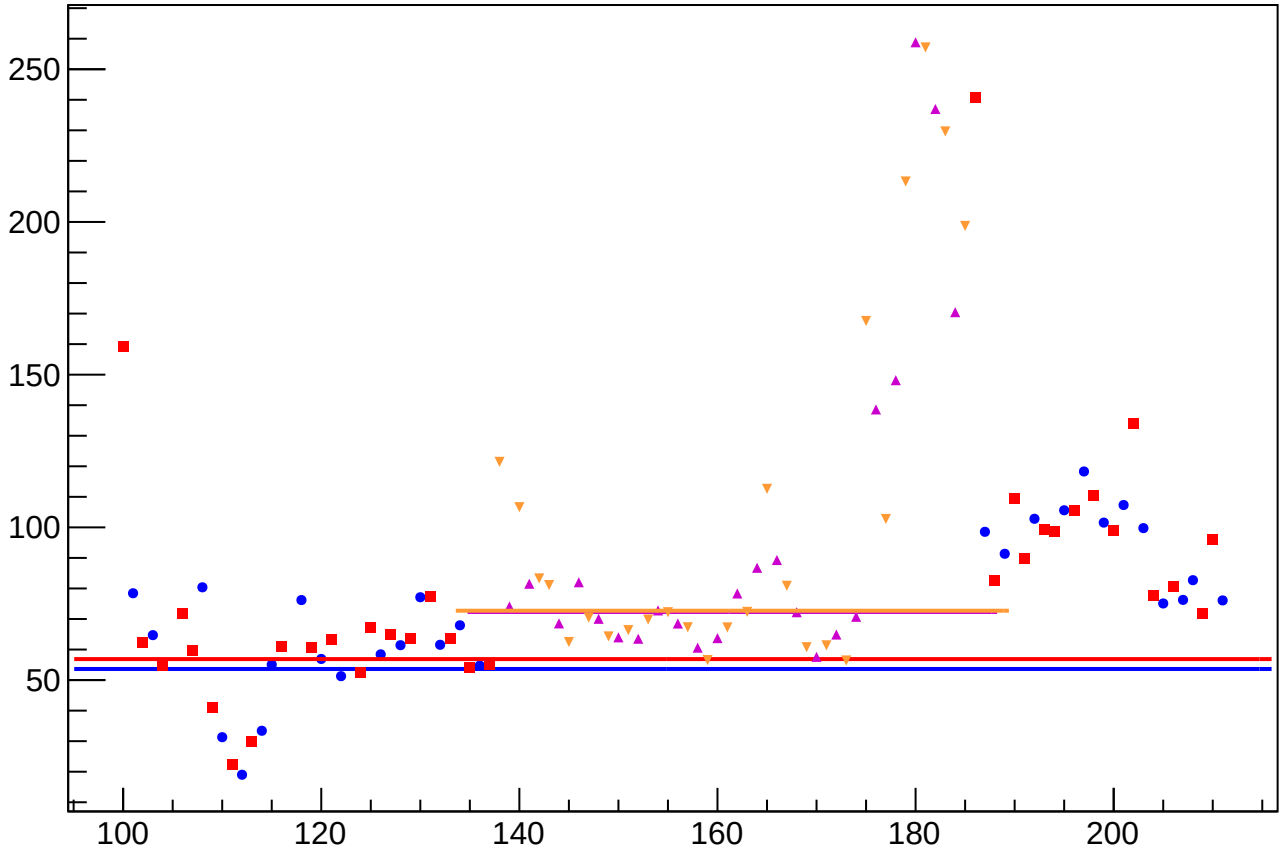
Left In: -0.011+/-0.018 χ^2/NDF:23.3/22

+ sign 0.004+/-0.012 χ^2/NDF: 62.0/52

All: -0.004+/-0.008 χ^2/NDF: 161.0/108

- sign -0.011+/-0.012 χ^2/NDF: 98.2/55

asym_sam_48_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 53.636+/-0.011 χ^2/NDF: 7227137.6/27

Left Out: 72.715+/-0.013 χ^2/NDF:3961158.6/24

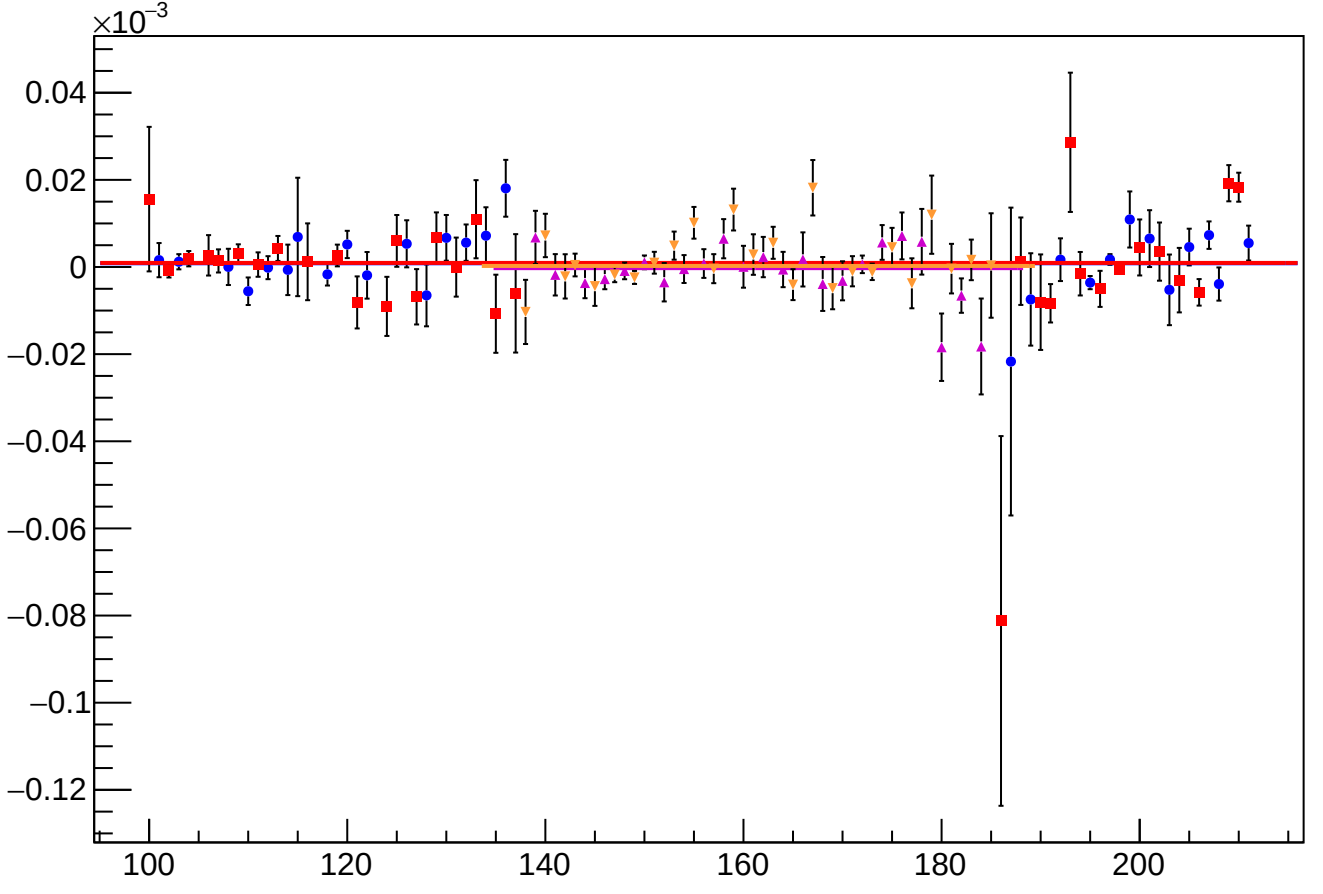
Right Out: 56.879+/-0.011 χ^2/NDF: 6730151.2/32

Left In: 72.298+/-0.013 χ^2/NDF:2790214.3/22

+ sign 61.675+/-0.008 χ^2/NDF: 12494052.9/52

All: 62.448+/-0.006 χ^2/NDF: 22871395.8/108

- sign 63.227+/-0.008 χ^2/NDF: 10359708.2/55



Right In: 0.000+/-0.000 χ^2/NDF: 41.8/27

Left Out: 0.000+/-0.000 χ^2/NDF:43.4/24

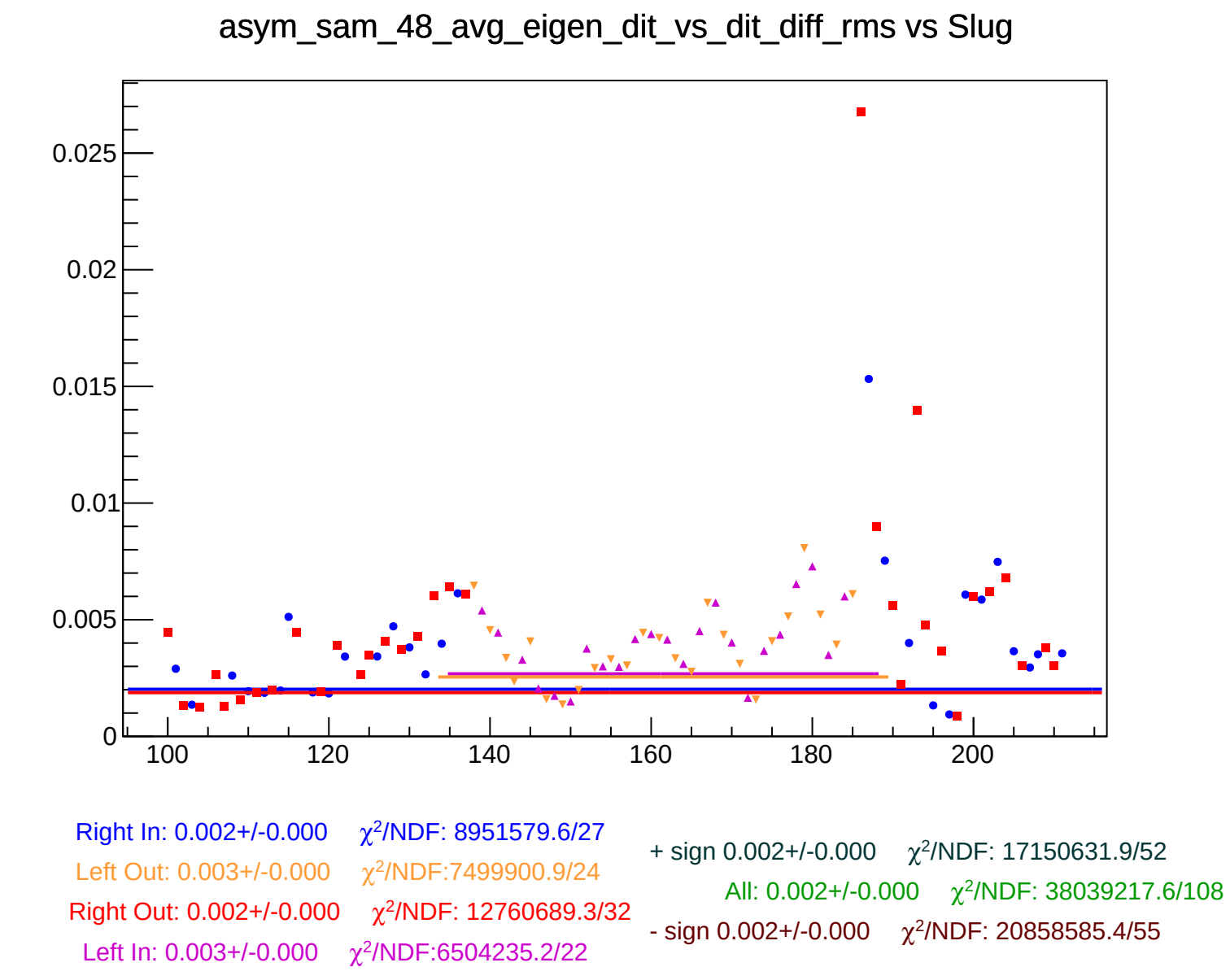
Right Out: 0.000+/-0.000 χ^2/NDF: 85.1/32

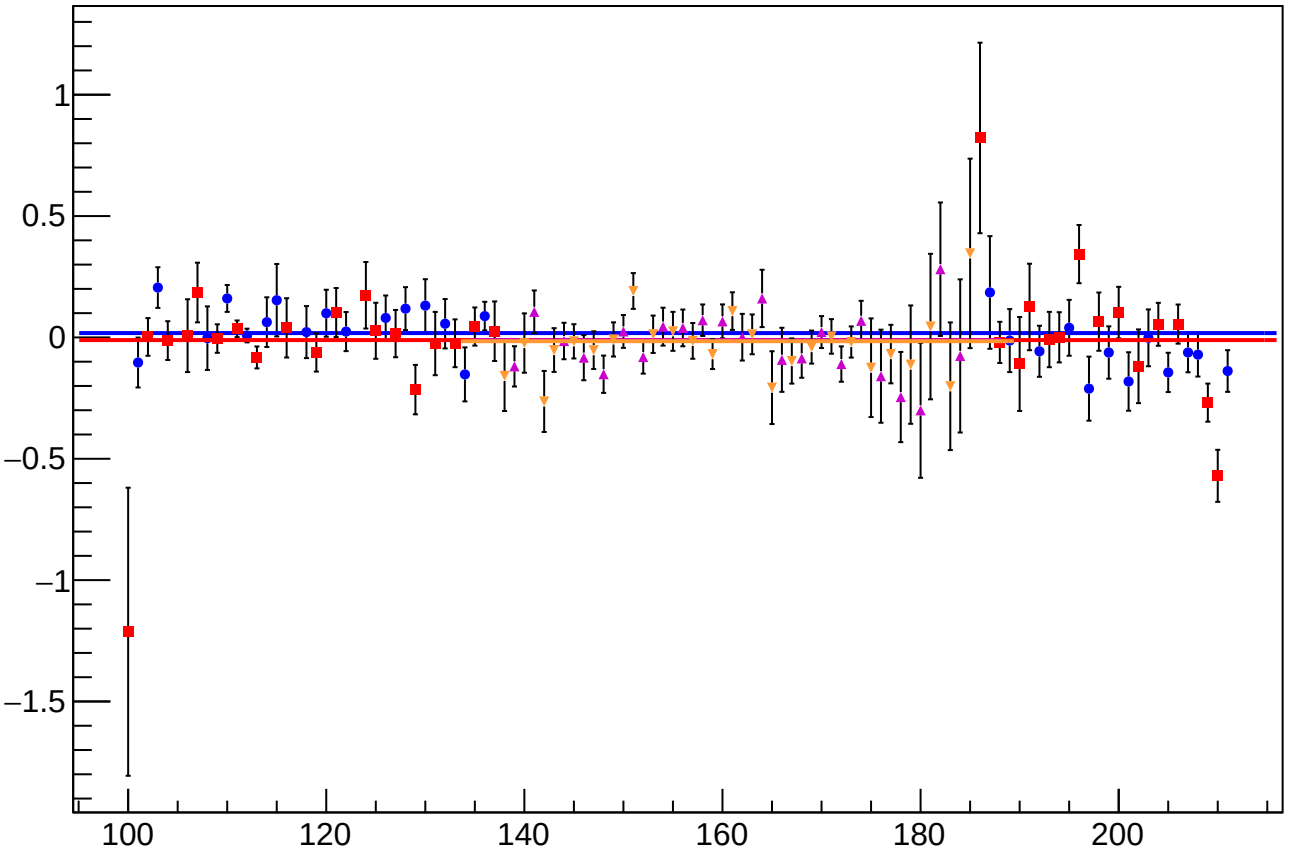
Left In: -0.000+/-0.000 χ^2/NDF:24.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 85.6/52

All: 0.000+/-0.000 χ^2/NDF: 196.5/108

- sign 0.000+/-0.000 χ^2/NDF: 110.9/55


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
Right In: 0.002+/-0.000 χ²/NDF: 8951579.6/27
Left Out: 0.003+/-0.000 χ²/NDF:7499900.9/24
Right Out: 0.002+/-0.000 χ²/NDF: 12760689.3/32
Left In: 0.003+/-0.000 χ²/NDF:6504235.2/22
+ sign 0.002+/-0.000 χ²/NDF: 17150631.9/52
All: 0.002+/-0.000 χ²/NDF: 38039217.6/108
- sign 0.002+/-0.000 χ²/NDF: 20858585.4/55



Right In: 0.018+/-0.015 χ^2/NDF: 38.4/27

Left Out: -0.016+/-0.018 χ^2/NDF:21.6/24

Right Out: -0.011+/-0.015 χ^2/NDF: 74.9/32

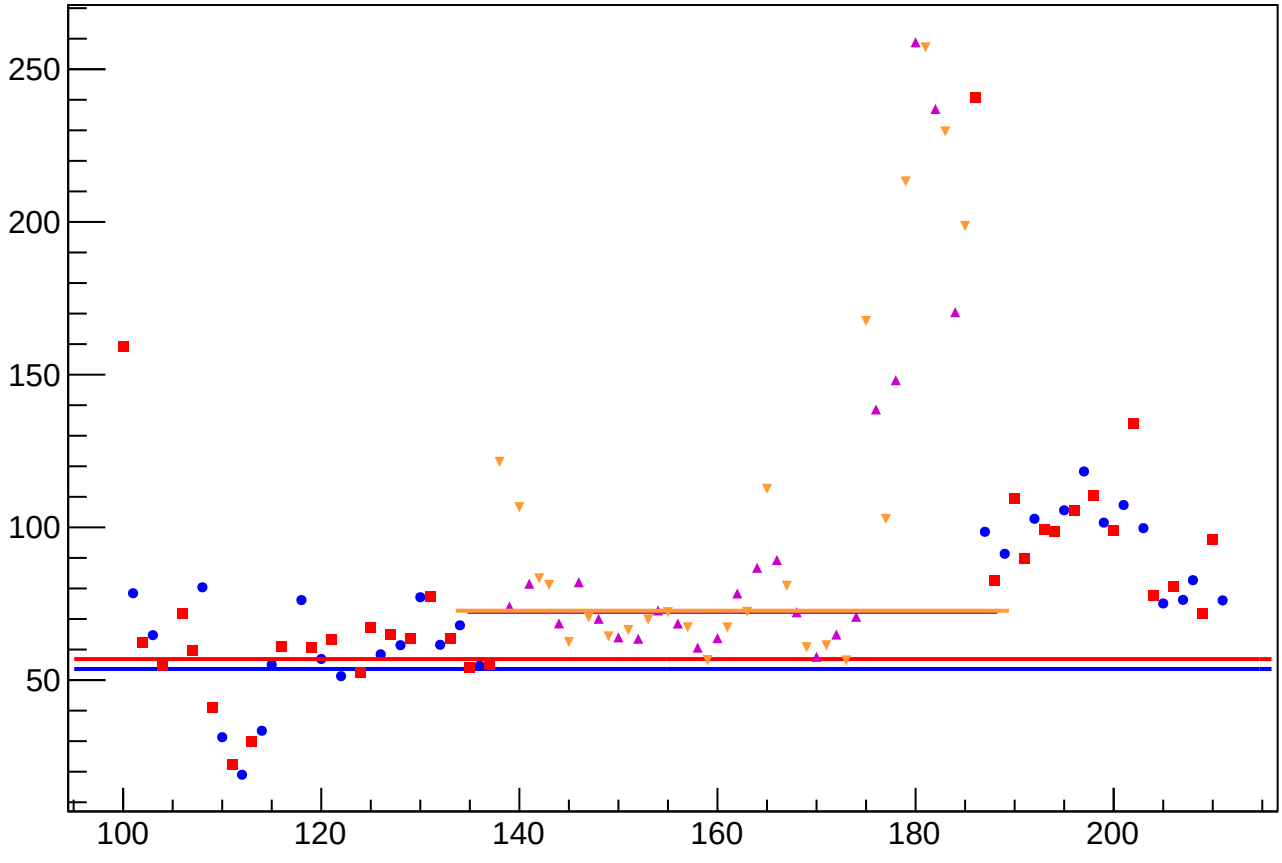
Left In: -0.011+/-0.018 χ^2/NDF:23.3/22

+ sign 0.004+/-0.012 χ^2/NDF: 62.0/52

All: -0.004+/-0.008 χ^2/NDF: 161.0/108

- sign -0.011+/-0.012 χ^2/NDF: 98.2/55

asym_sam_48_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 53.635+/-0.011 χ^2/NDF: 7227427.3/27

Left Out: 72.716+/-0.013 χ^2/NDF:3961100.5/24

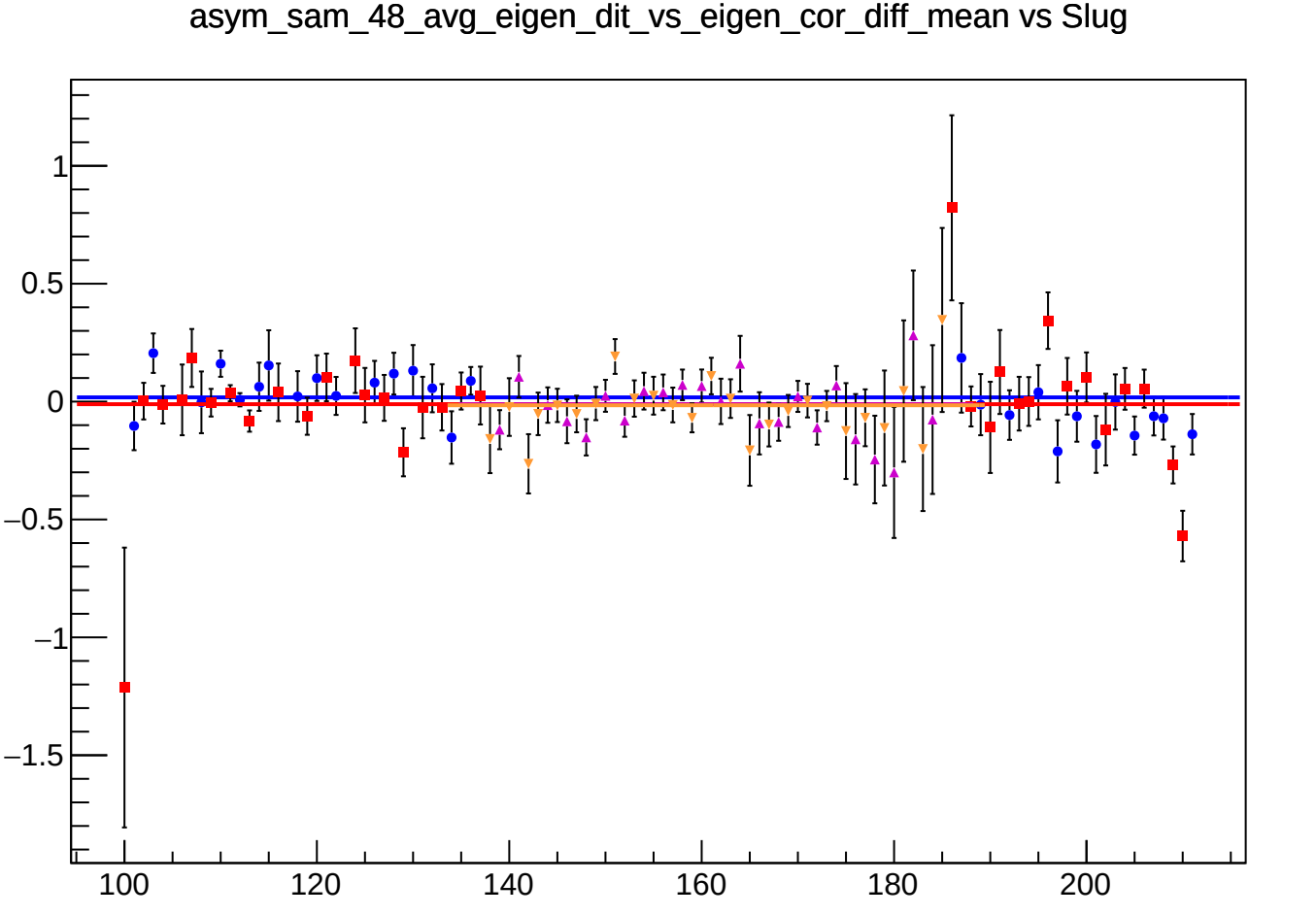
Right Out: 56.878+/-0.011 χ^2/NDF: 6730484.7/32

Left In: 72.298+/-0.013 χ^2/NDF:2790146.5/22

+ sign 61.675+/-0.008 χ^2/NDF: 12494499.8/52

All: 62.447+/-0.006 χ^2/NDF: 22872271.6/108

- sign 63.227+/-0.008 χ^2/NDF: 10360135.4/55



Right In: 0.018+/-0.015 χ^2/NDF: 38.4/27

Left Out: -0.016+/-0.018 χ^2/NDF:21.6/24

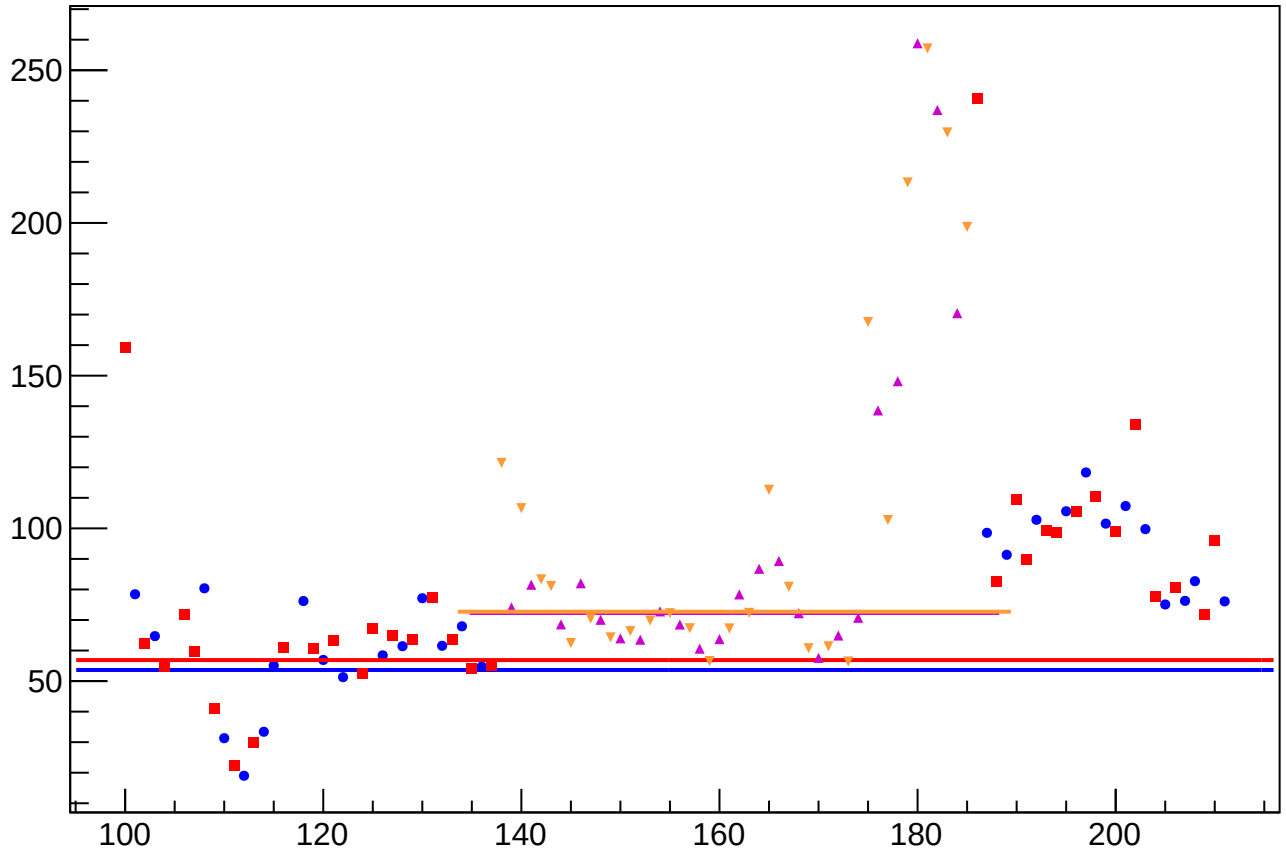
Right Out: -0.011+/-0.015 χ^2/NDF: 74.9/32

Left In: -0.011+/-0.018 χ^2/NDF:23.3/22

+ sign 0.004+/-0.012 χ^2/NDF: 62.0/52

All: -0.004+/-0.008 χ^2/NDF: 161.0/108

- sign -0.011+/-0.012 χ^2/NDF: 98.2/55



Right In: 53.635+/-0.011 χ^2/NDF: 7227427.3/27

Left Out: 72.716+/-0.013 χ^2/NDF:3961100.5/24

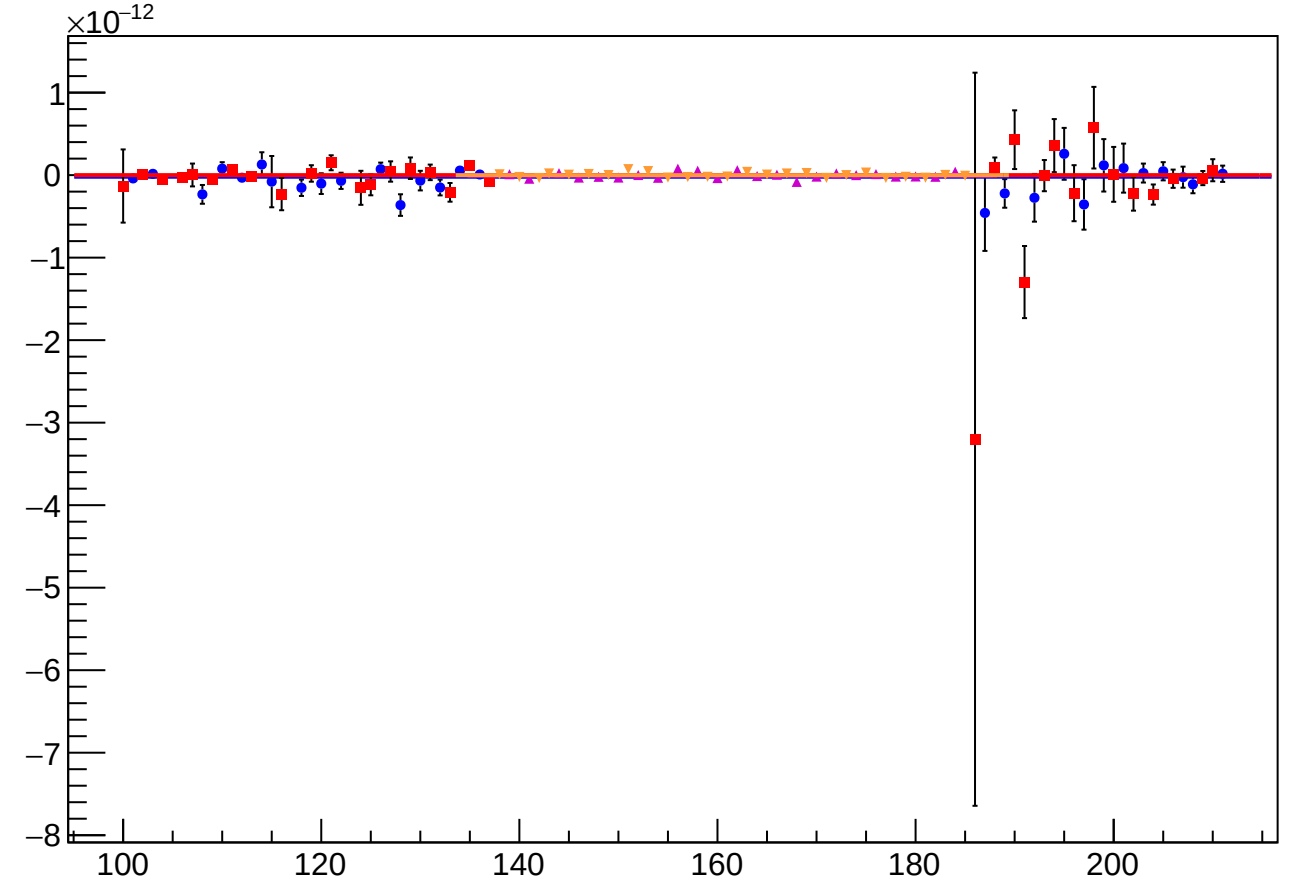
Right Out: 56.878+/-0.011 χ^2/NDF: 6730484.7/32

Left In: 72.298+/-0.013 χ^2/NDF:2790146.5/22

+ sign 61.675+/-0.008 χ^2/NDF: 12494499.8/52

All: 62.447+/-0.006 χ^2/NDF: 22872271.6/108

- sign 63.227+/-0.008 χ^2/NDF: 10360135.4/55



Right In: -0.000+/-0.000 χ^2/NDF: 29.7/27

Left Out: -0.000+/-0.000 χ^2/NDF:27.9/24

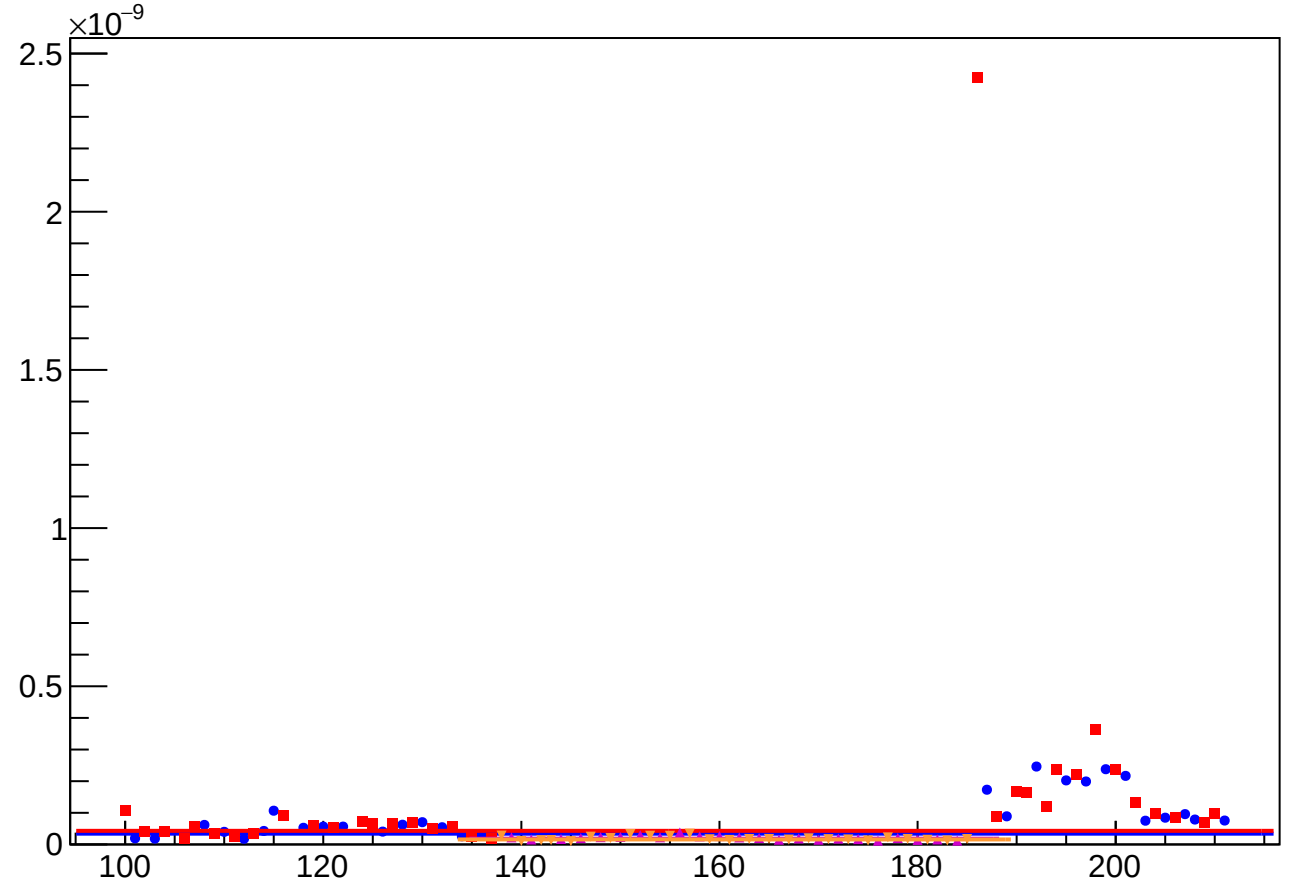
Right Out: 0.000+/-0.000 χ^2/NDF: 43.3/32

Left In: -0.000+/-0.000 χ^2/NDF:38.3/22

+ sign -0.000+/-0.000 χ^2/NDF: 59.3/52

All: -0.000+/-0.000 χ^2/NDF: 141.2/108

- sign -0.000+/-0.000 χ^2/NDF: 81.7/55



Right In: 0.000+/-0.000 χ^2/NDF: 8251390.0/27

Left Out: 0.000+/-0.000 χ^2/NDF:2331257.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8146716.1/32

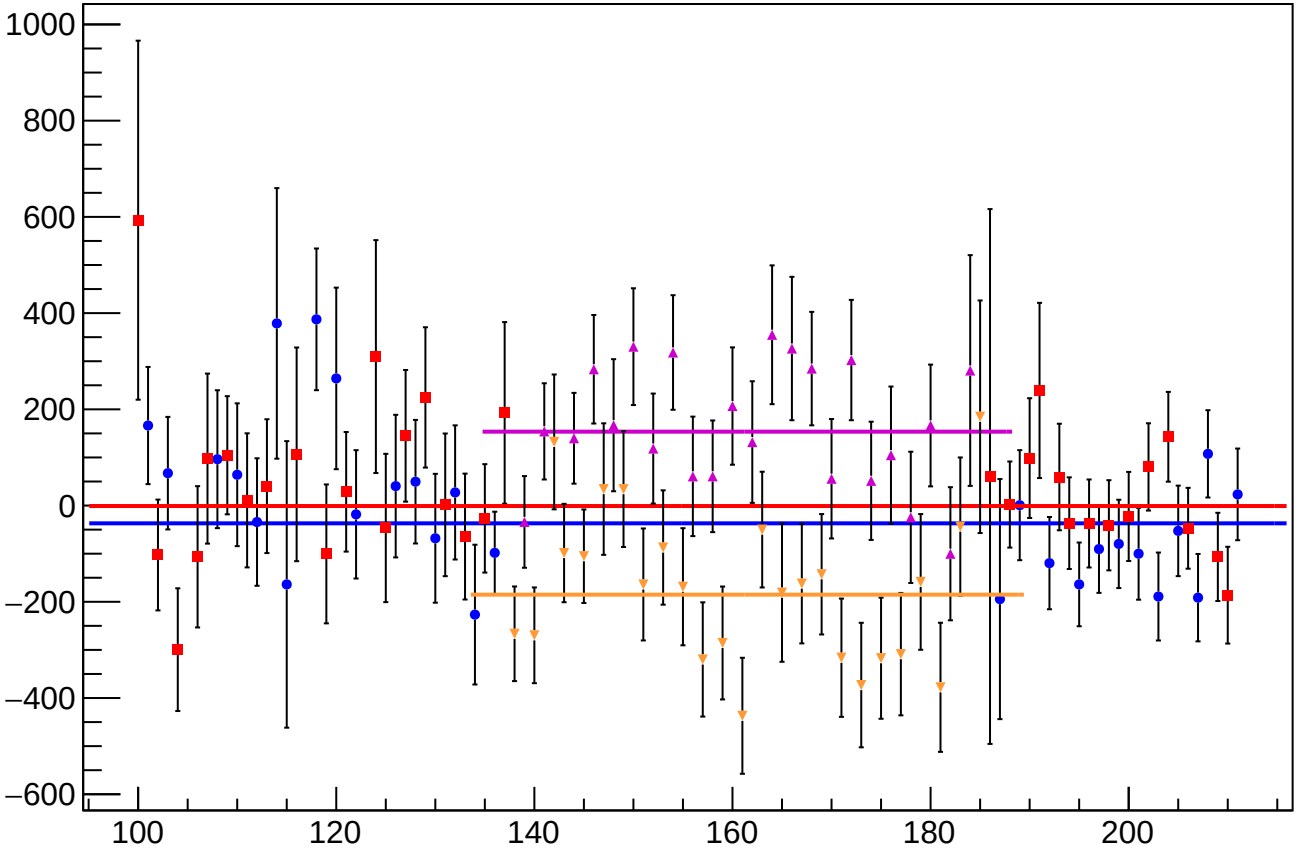
Left In: 0.000+/-0.000 χ^2/NDF:1621439.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 13770780.6/52

All: 0.000+/-0.000 χ^2/NDF: 28506094.5/108

- sign 0.000+/-0.000 χ^2/NDF: 14330591.6/55

reg_asym_sam_15_dd_mean vs Slug



Right In: -36.913+/-21.763 χ^2/NDF: 34.3/27

Left Out: -185.146+/-24.452 χ^2/NDF:33.1/24

Right Out: -0.958+/-21.054 χ^2/NDF: 29.3/32

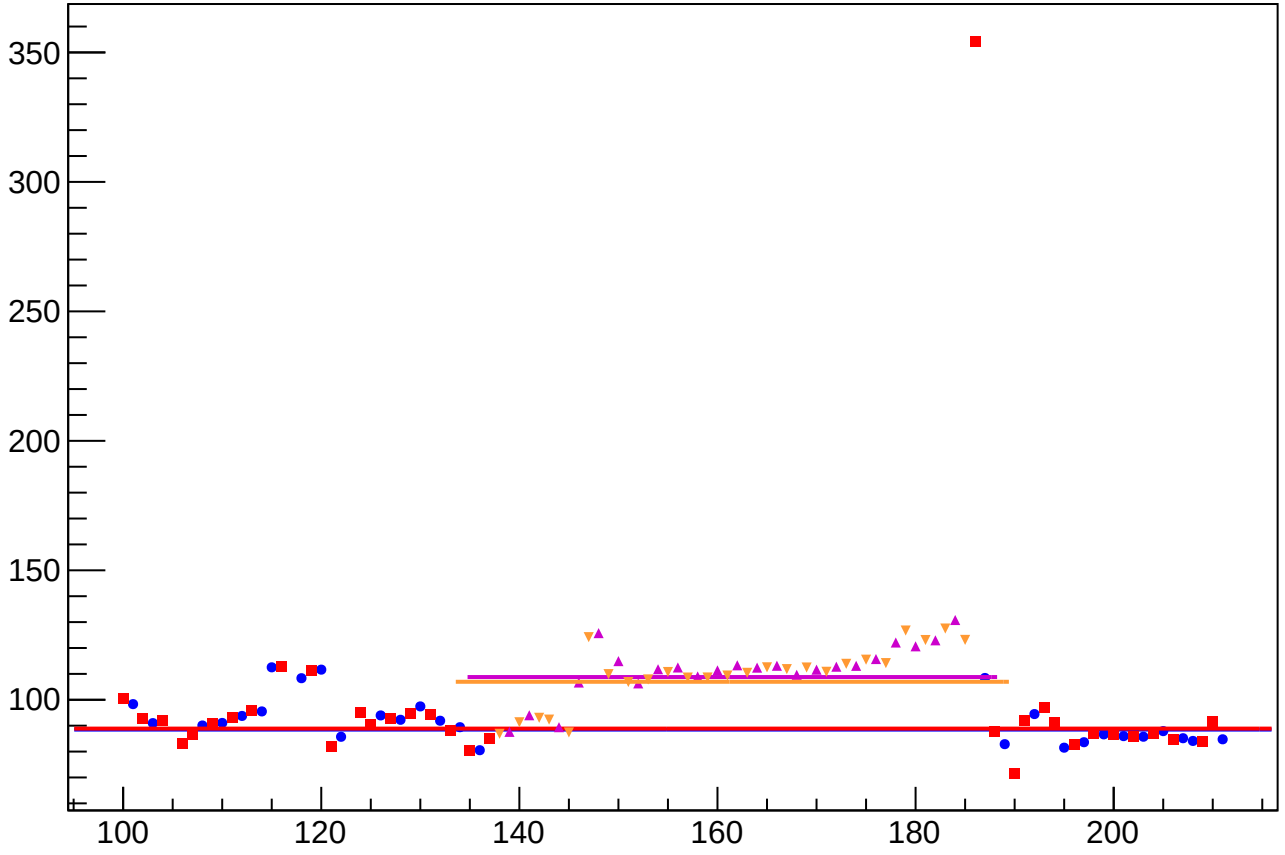
Left In: 153.627+/-25.538 χ^2/NDF:23.5/22

+ sign -102.433+/-16.257 χ^2/NDF: 87.9/52

All: -20.361+/-11.491 χ^2/NDF: 213.4/108

- sign 61.594+/-16.245 χ^2/NDF: 74.6/55

reg_asym_sam_15_dd_rms vs Slug



Right In: 88.493+/-0.015 χ^2/NDF: 190181.4/27

Left Out: 106.954+/-0.017 χ^2/NDF:464271.3/24

Right Out: 88.872+/-0.015 χ^2/NDF: 650729.8/32

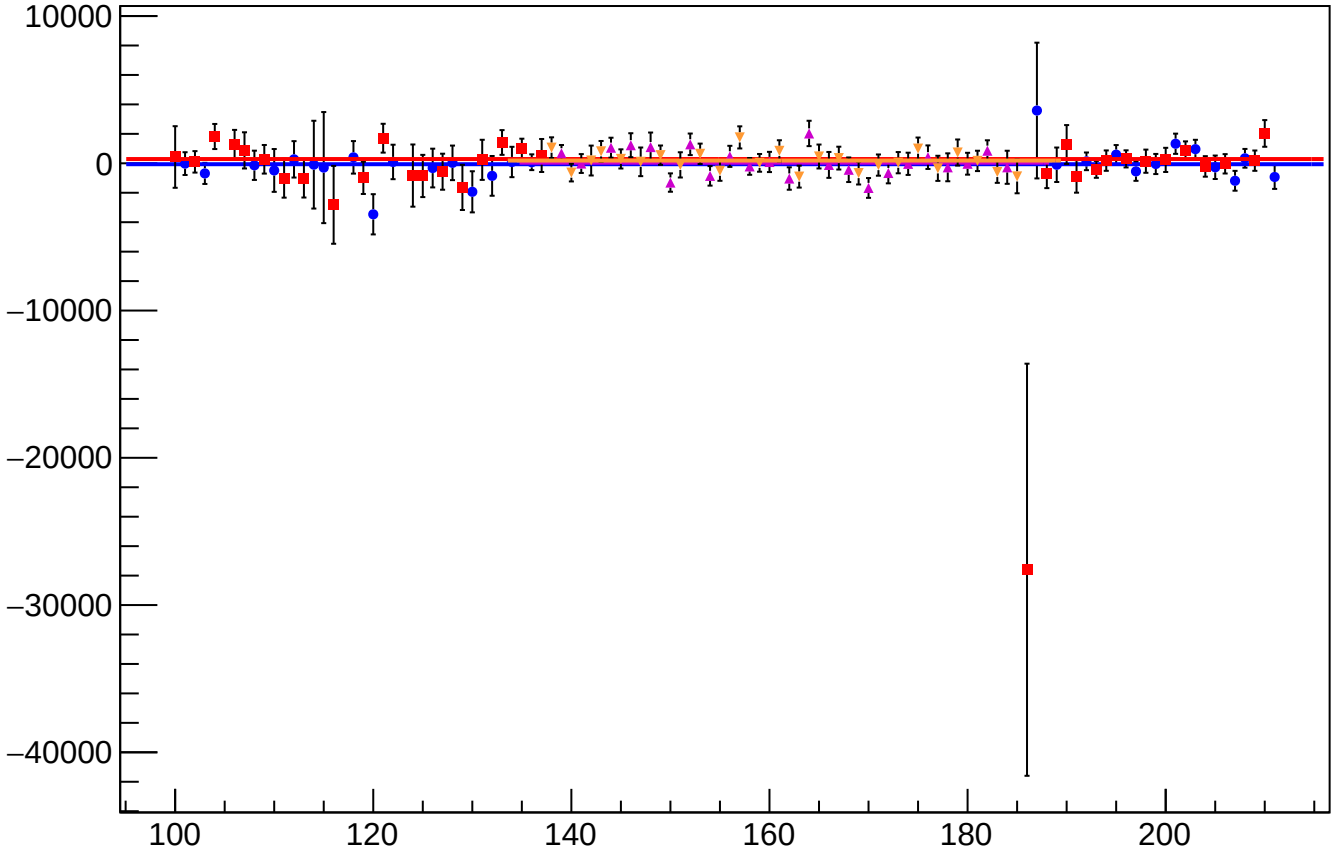
Left In: 108.781+/-0.018 χ^2/NDF:358436.3/22

+ sign 96.653+/-0.011 χ^2/NDF: 1290545.5/52

All: 96.790+/-0.008 χ^2/NDF: 3023640.5/108

- sign 96.928+/-0.011 χ^2/NDF: 1732809.1/55

asym_sam_15_dd_reg_correction_mean vs Slug



Right In: -62.055+/-162.871 χ^2/NDF: 23.0/27

Left Out: 186.456+/-148.819 χ^2/NDF:19.1/24

Right Out: 289.218+/-157.992 χ^2/NDF: 30.9/32

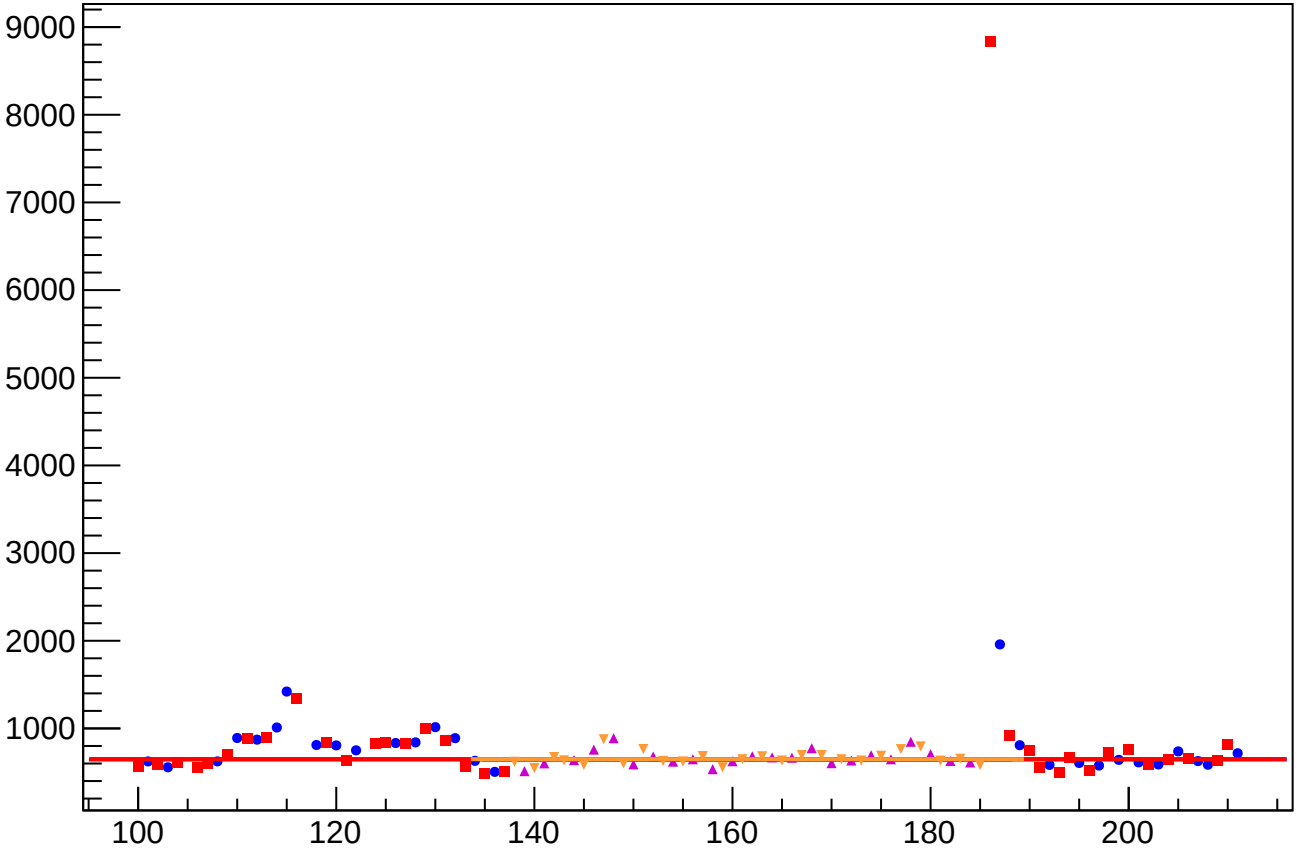
Left In: 43.249+/-152.059 χ^2/NDF:33.7/22

+ sign 73.381+/-109.864 χ^2/NDF: 43.3/52

All: 117.577+/-77.578 χ^2/NDF: 109.6/108

- sign 161.528+/-109.559 χ^2/NDF: 65.9/55

asym_sam_15_dd_reg_correction_rms vs Slug



Right In: 648.165+/-0.115 χ^2/NDF: 1135193.1/27

Left Out: 649.189+/-0.105 χ^2/NDF:418364.7/24

Right Out: 648.292+/-0.112 χ^2/NDF: 2038060.5/32

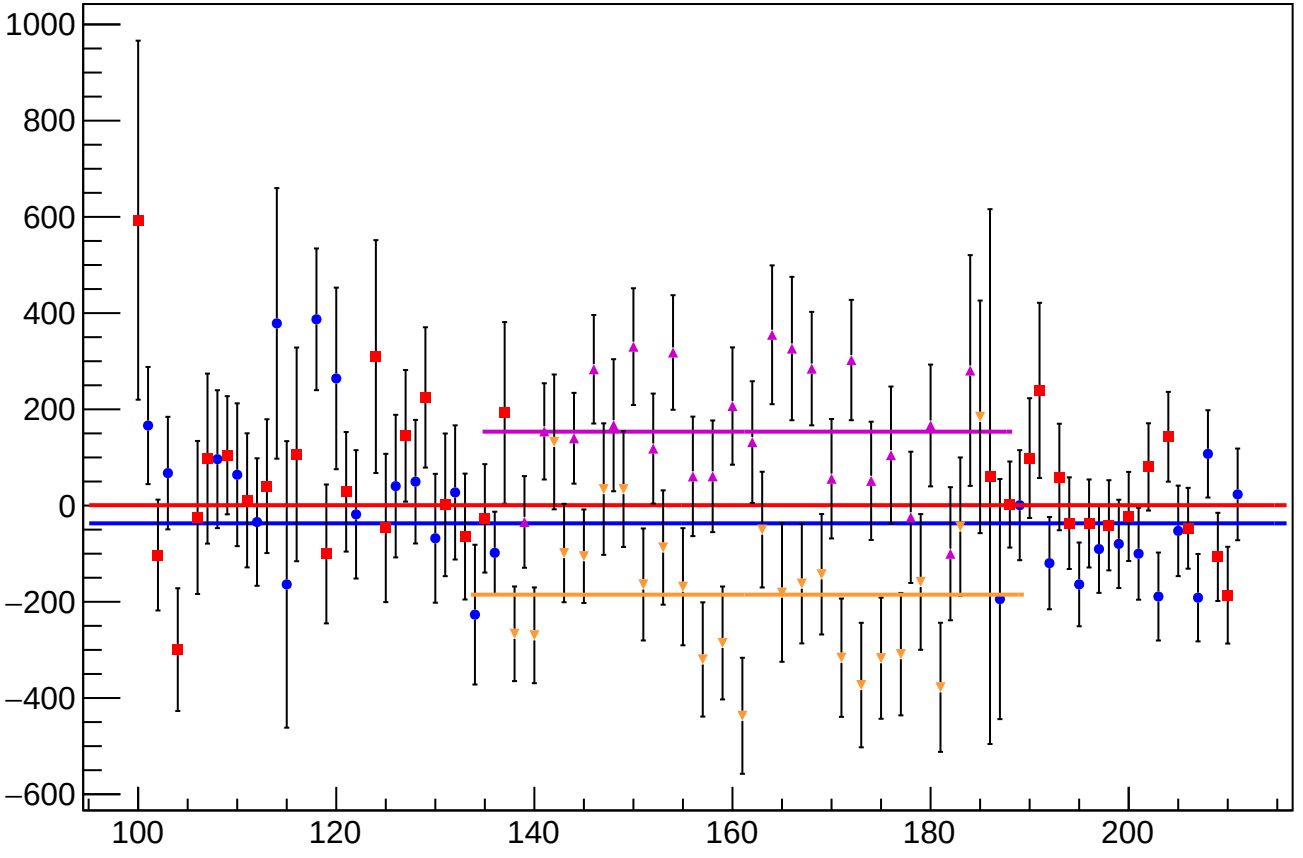
Left In: 644.072+/-0.108 χ^2/NDF:559119.9/22

+ sign 648.723+/-0.078 χ^2/NDF: 1553600.8/52

All: 647.409+/-0.055 χ^2/NDF: 4152092.9/108

- sign 646.102+/-0.077 χ^2/NDF: 2597921.1/55

cor_asym_sam_15_dd_mean vs Slug



Right In: -36.912+/-21.763 χ^2/NDF: 34.4/27

Left Out: -185.148+/-24.452 χ^2/NDF:33.0/24

Right Out: 0.802+/-21.086 χ^2/NDF: 28.8/32

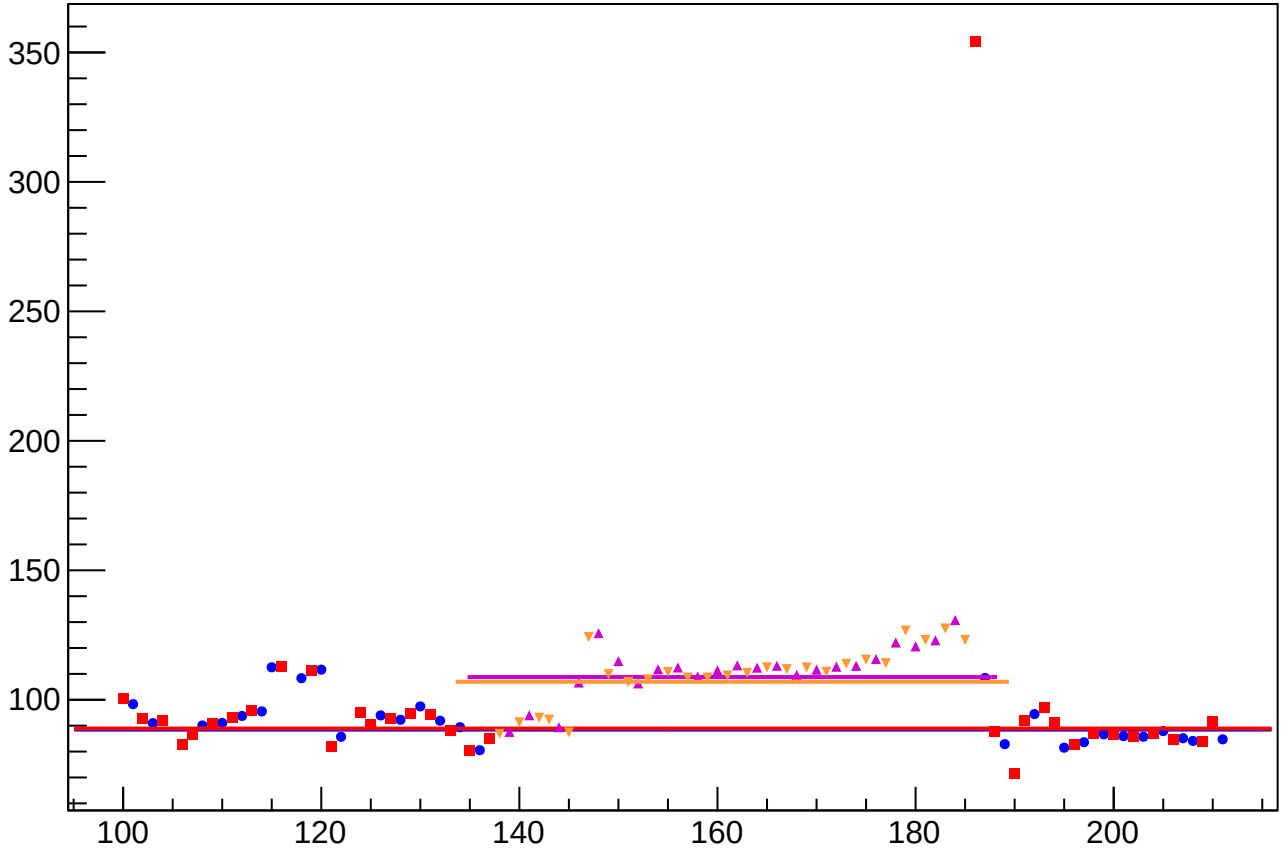
Left In: 153.632+/-25.538 χ^2/NDF:23.5/22

+ sign -102.433+/-16.257 χ^2/NDF: 87.9/52

All: -19.854+/-11.496 χ^2/NDF: 213.1/108

- sign 62.756+/-16.260 χ^2/NDF: 73.6/55

cor_asym_sam_15_dd_rms vs Slug



Right In: 88.493+/-0.015 χ^2/NDF: 190181.4/27

Left Out: 106.954+/-0.017 χ^2/NDF:464271.4/24

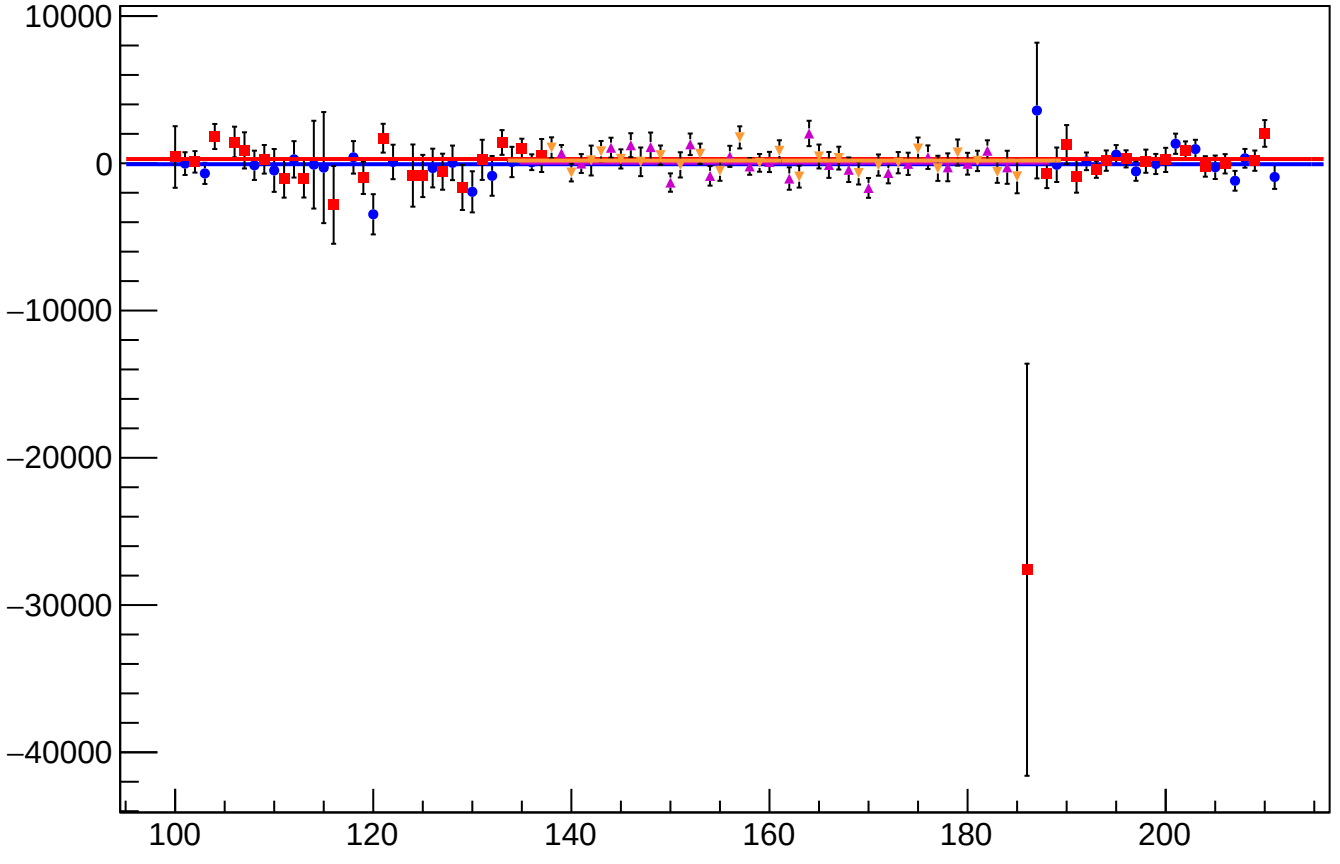
Right Out: 88.880+/-0.015 χ^2/NDF: 650803.2/32

Left In: 108.781+/-0.018 χ^2/NDF:358436.4/22

+ sign 96.653+/-0.011 χ^2/NDF: 1290545.5/52

All: 96.800+/-0.008 χ^2/NDF: 3022300.7/108

- sign 96.947+/-0.011 χ^2/NDF: 1731428.2/55



Right In: -62.057+/-162.871 χ^2/NDF: 23.0/27

Left Out: 186.450+/-148.819 χ^2/NDF:19.1/24

Right Out: 290.283+/-158.203 χ^2/NDF: 31.1/32

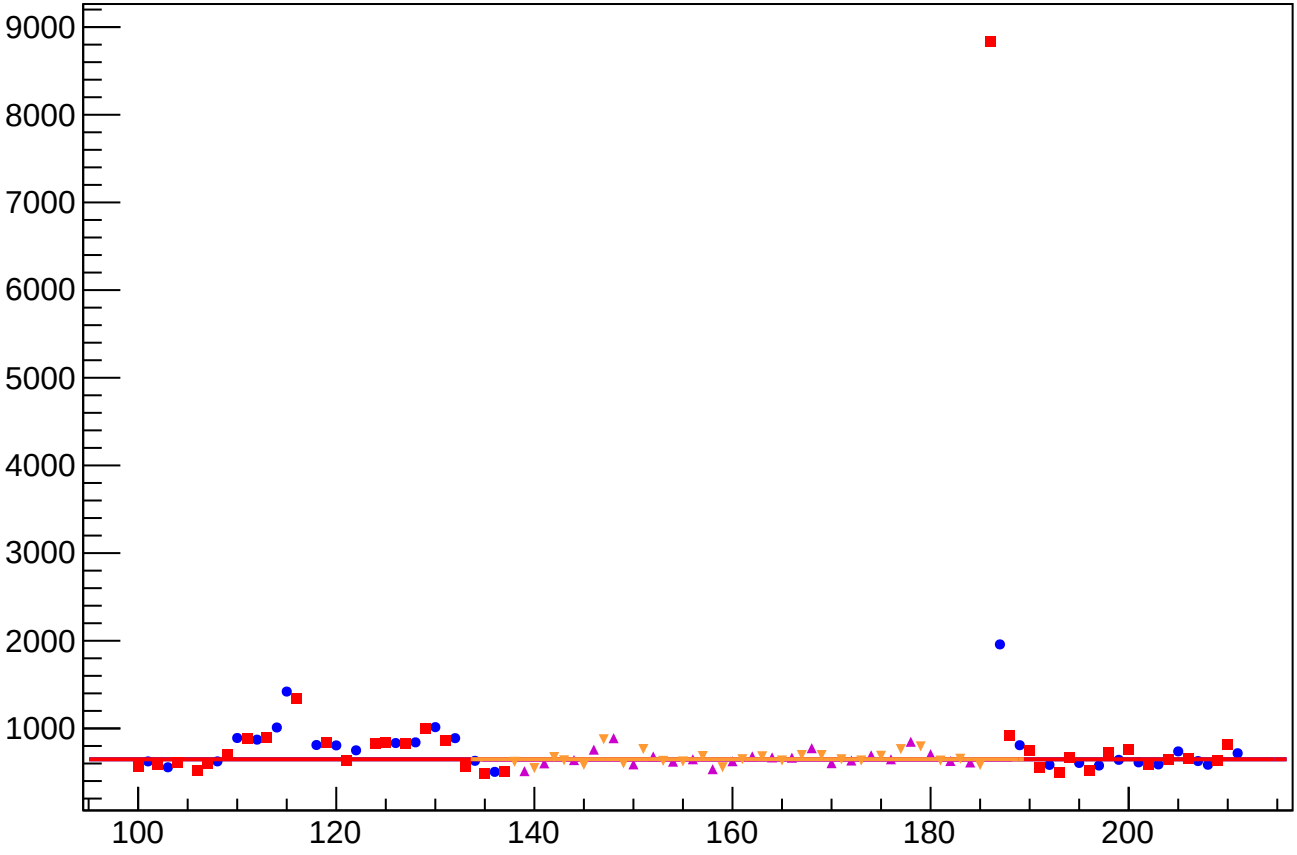
Left In: 43.251+/-152.059 χ^2/NDF:33.7/22

\+ sign 73.377+/-109.864 χ^2/NDF: 43.3/52

All: 117.721+/-77.603 χ^2/NDF: 109.8/108

\- sign 161.877+/-109.630 χ^2/NDF: 66.1/55

asym_sam_15_dd_cor_correction_rms vs Slug



Right In: 648.165+/-0.115 χ^2/NDF: 1135194.0/27

Left Out: 649.189+/-0.105 χ^2/NDF:418365.4/24

Right Out: 647.913+/-0.112 χ^2/NDF: 2047460.3/32

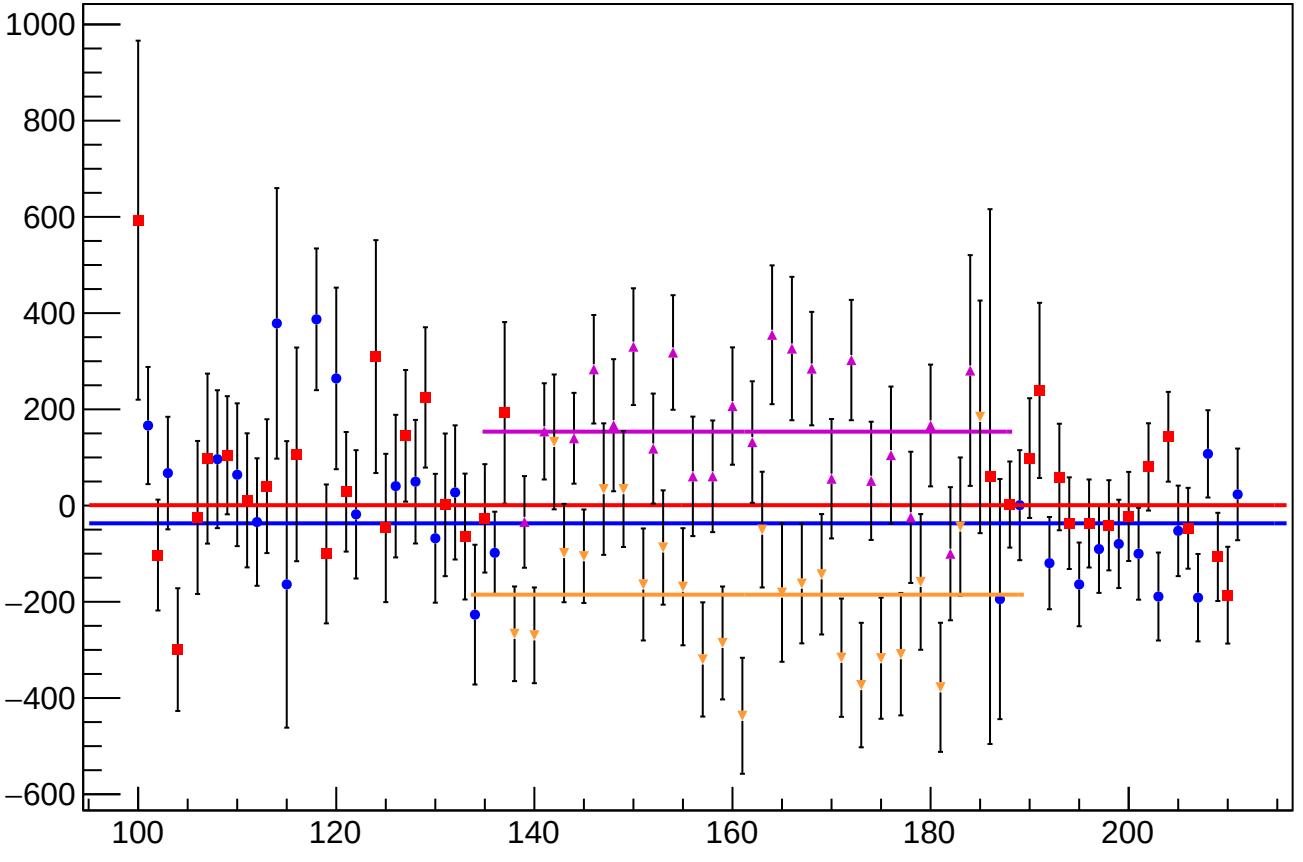
Left In: 644.072+/-0.108 χ^2/NDF:559121.0/22

+ sign 648.723+/-0.078 χ^2/NDF: 1553602.4/52

All: 647.317+/-0.055 χ^2/NDF: 4161450.5/108

- sign 645.917+/-0.078 χ^2/NDF: 2607194.0/55

eigen_cor_asym_sam_15_dd_mean vs Slug



Right In: -36.912+/-21.763 χ^2/NDF: 34.4/27

Left Out: -185.148+/-24.452 χ^2/NDF:33.0/24

Right Out: 0.802+/-21.086 χ^2/NDF: 28.8/32

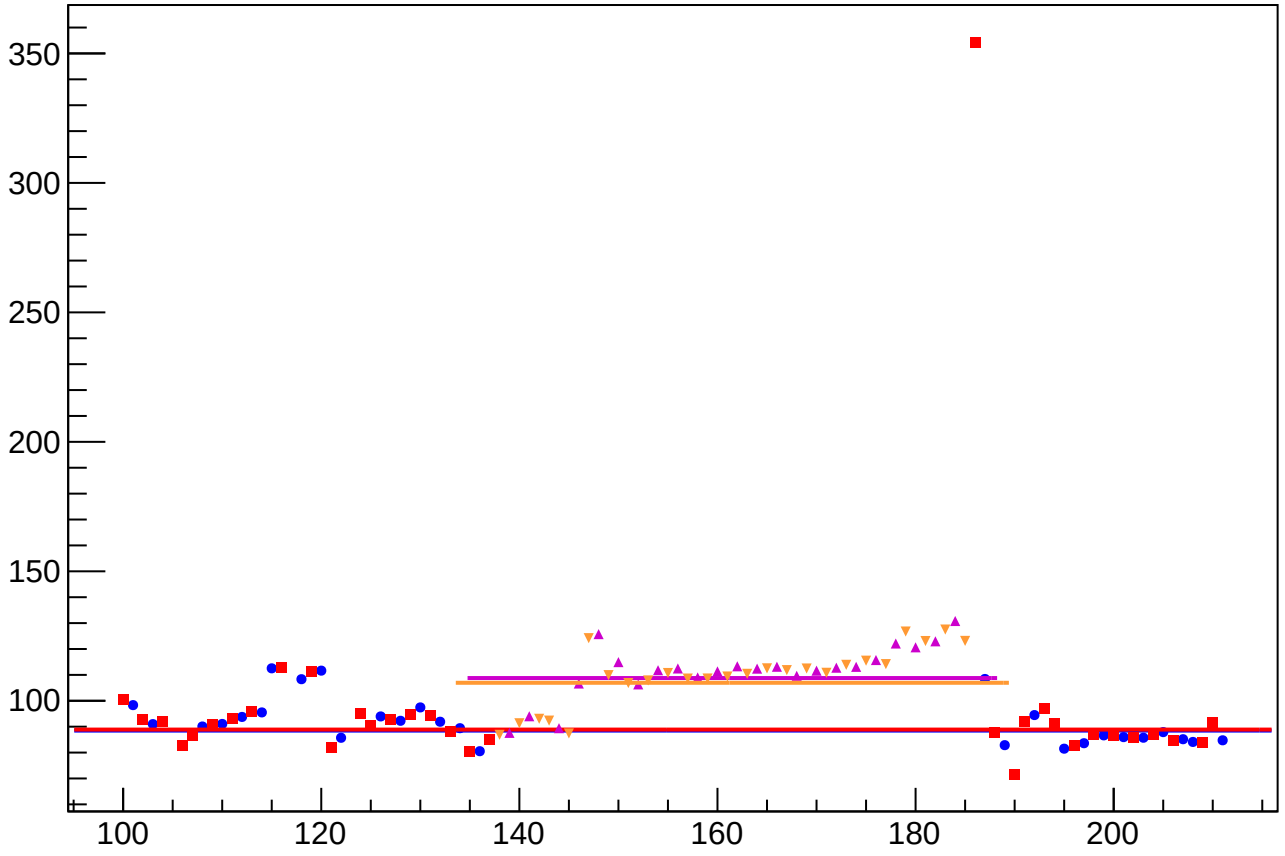
Left In: 153.632+/-25.538 χ^2/NDF:23.5/22

+ sign -102.433+/-16.257 χ^2/NDF: 87.9/52

All: -19.854+/-11.496 χ^2/NDF: 213.1/108

- sign 62.756+/-16.260 χ^2/NDF: 73.6/55

eigen_cor_asym_sam_15_dd_rms vs Slug



Right In: 88.493+/-0.015 χ^2/NDF: 190181.4/27

Left Out: 106.954+/-0.017 χ^2/NDF:464271.4/24

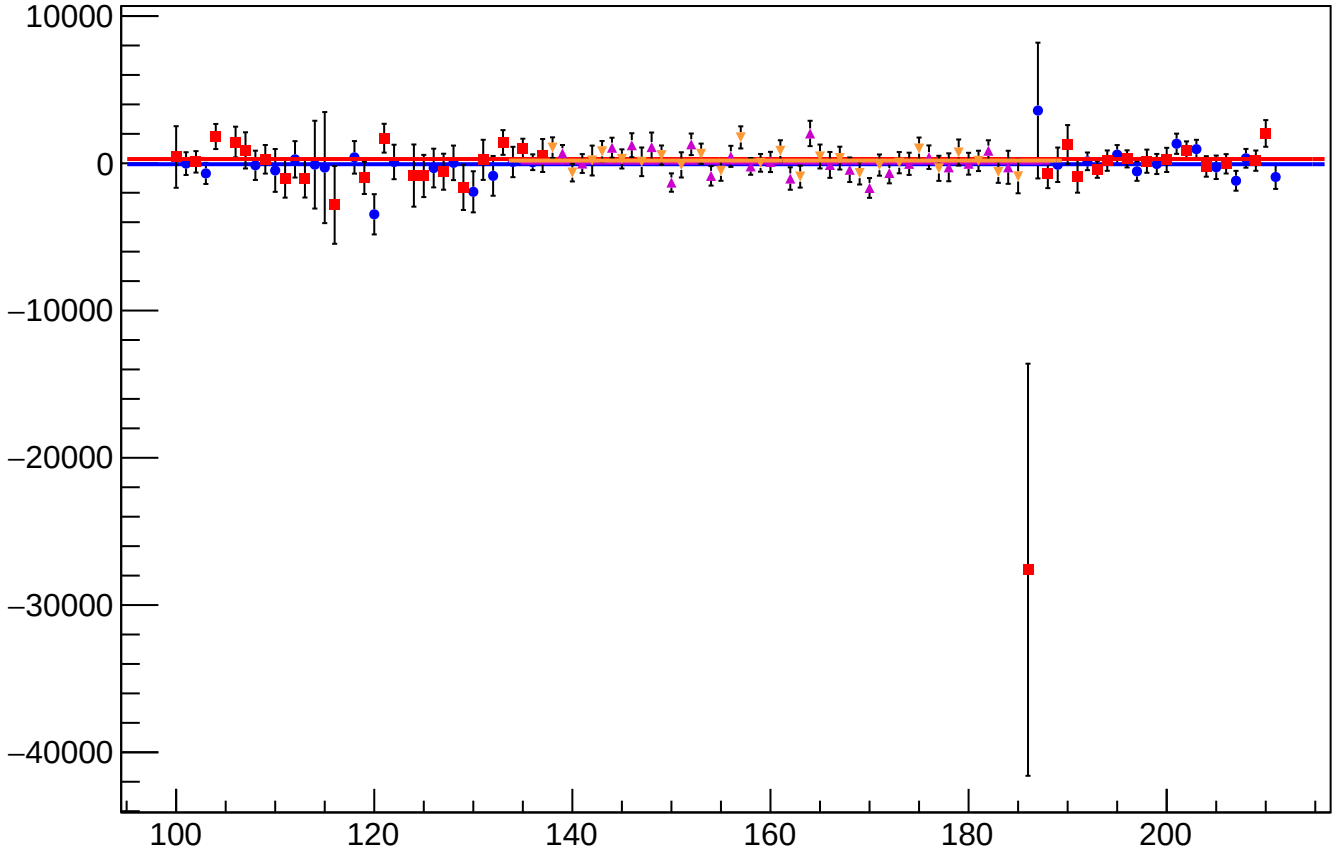
Right Out: 88.880+/-0.015 χ^2/NDF: 650803.2/32

Left In: 108.781+/-0.018 χ^2/NDF:358436.4/22

+ sign 96.653+/-0.011 χ^2/NDF: 1290545.5/52

All: 96.800+/-0.008 χ^2/NDF: 3022300.7/108

- sign 96.947+/-0.011 χ^2/NDF: 1731428.2/55



Right In: -62.057+/-162.871 χ^2/NDF: 23.0/27

Left Out: 186.450+/-148.819 χ^2/NDF:19.1/24

Right Out: 290.283+/-158.203 χ^2/NDF: 31.1/32

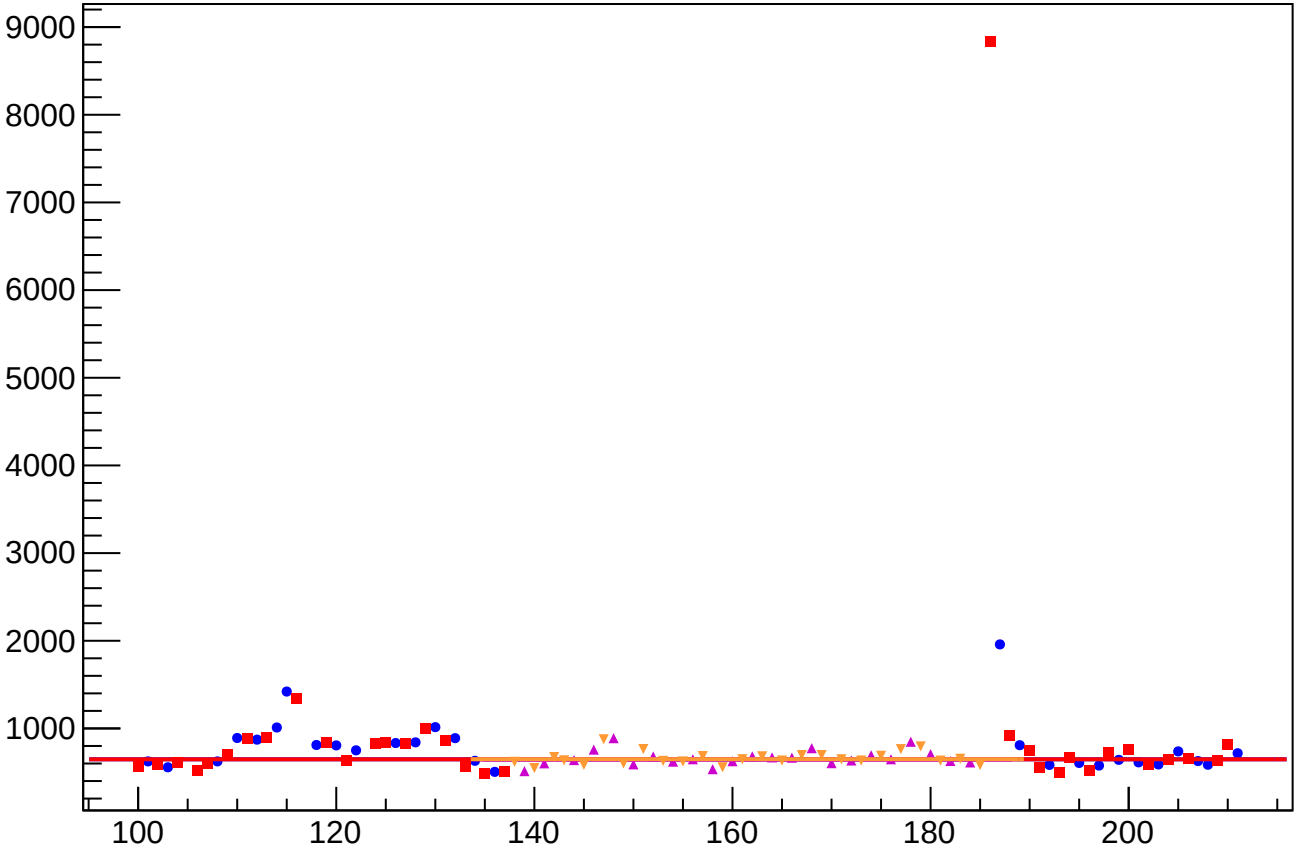
Left In: 43.251+/-152.059 χ^2/NDF:33.7/22

+ sign 73.377+/-109.864 χ^2/NDF: 43.3/52

All: 117.721+/-77.603 χ^2/NDF: 109.8/108

- sign 161.877+/-109.630 χ^2/NDF: 66.1/55

asym_sam_15_dd_eigen_cor_correction_rms vs Slug



Right In: 648.165+/-0.115 χ^2/NDF: 1135194.0/27

Left Out: 649.189+/-0.105 χ^2/NDF:418365.4/24

Right Out: 647.913+/-0.112 χ^2/NDF: 2047460.3/32

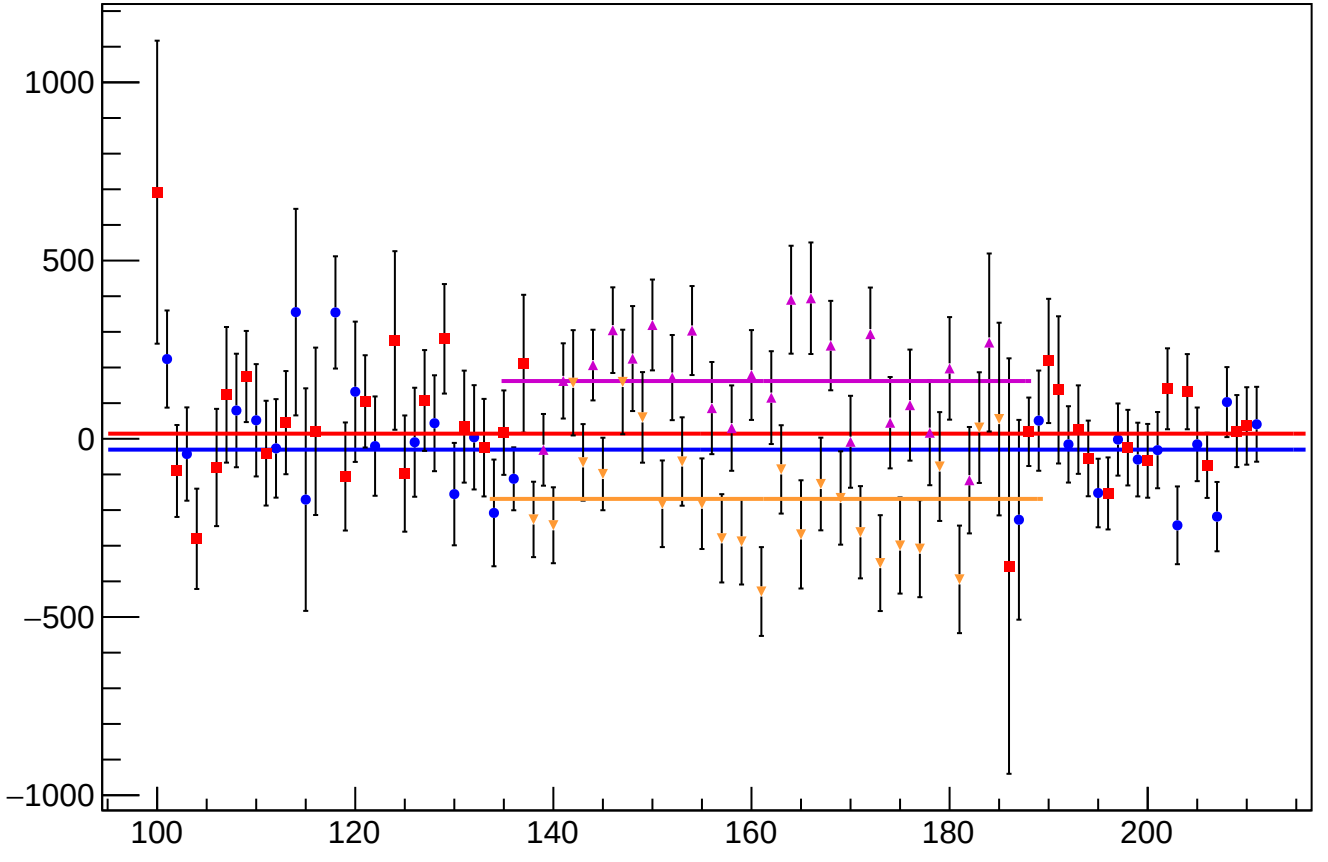
Left In: 644.072+/-0.108 χ^2/NDF:559121.0/22

+ sign 648.723+/-0.078 χ^2/NDF: 1553602.4/52

All: 647.317+/-0.055 χ^2/NDF: 4161450.5/108

- sign 645.917+/-0.078 χ^2/NDF: 2607194.0/55

dit_asym_sam_15_dd_mean vs Slug



Right In: -30.407+/-23.801 χ^2/NDF: 28.7/27

Left Out: -168.634+/-25.819 χ^2/NDF:32.4/24

Right Out: 14.400+/-23.147 χ^2/NDF: 26.7/32

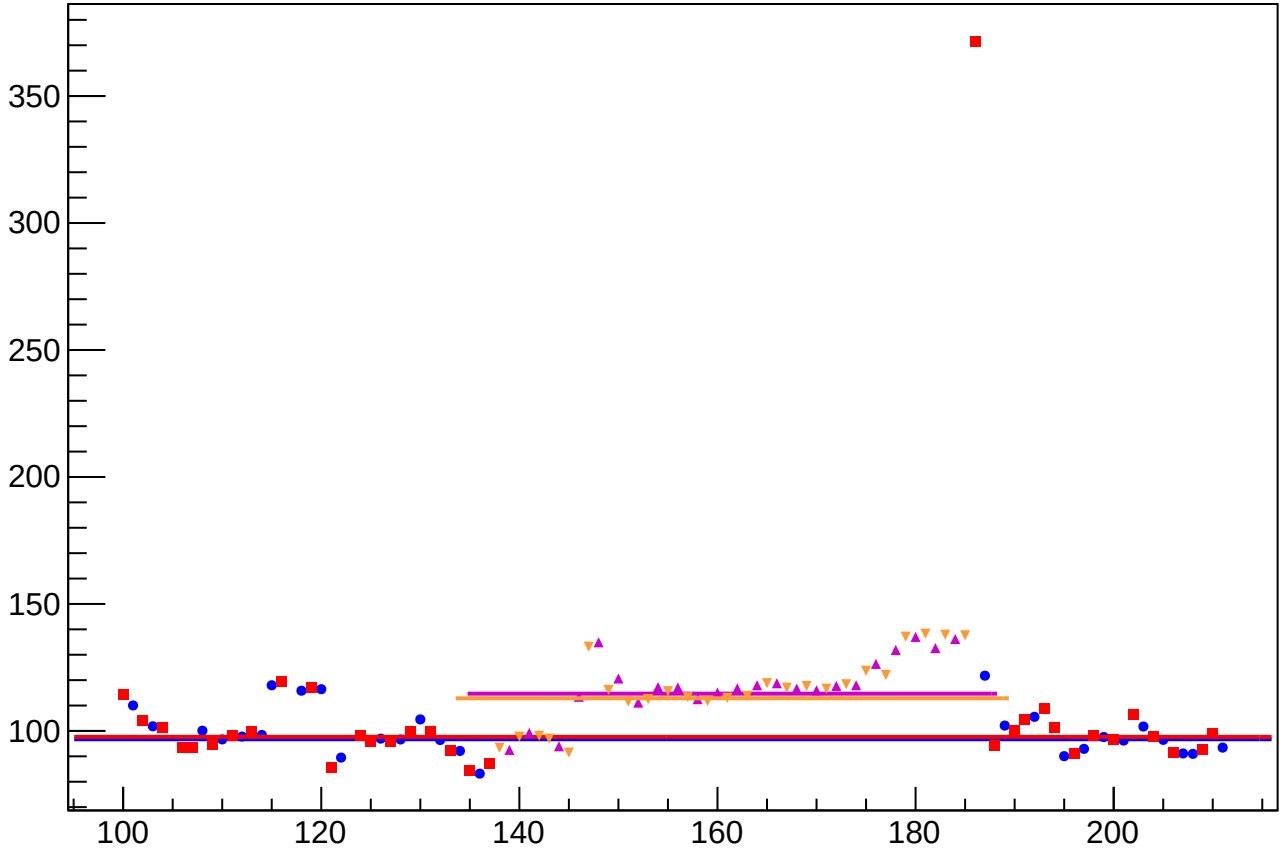
Left In: 162.028+/-26.948 χ^2/NDF:23.6/22

+ sign -93.908+/-17.500 χ^2/NDF: 76.6/52

All: -8.701+/-12.395 χ^2/NDF: 191.7/108

- sign 77.077+/-17.559 χ^2/NDF: 67.6/55

dit_asym_sam_15_dd_rms vs Slug



Right In: 96.724+/-0.017 χ^2/NDF: 206904.7/27

Left Out: 112.850+/-0.018 χ^2/NDF:512260.6/24

Right Out: 97.673+/-0.016 χ^2/NDF: 615346.2/32

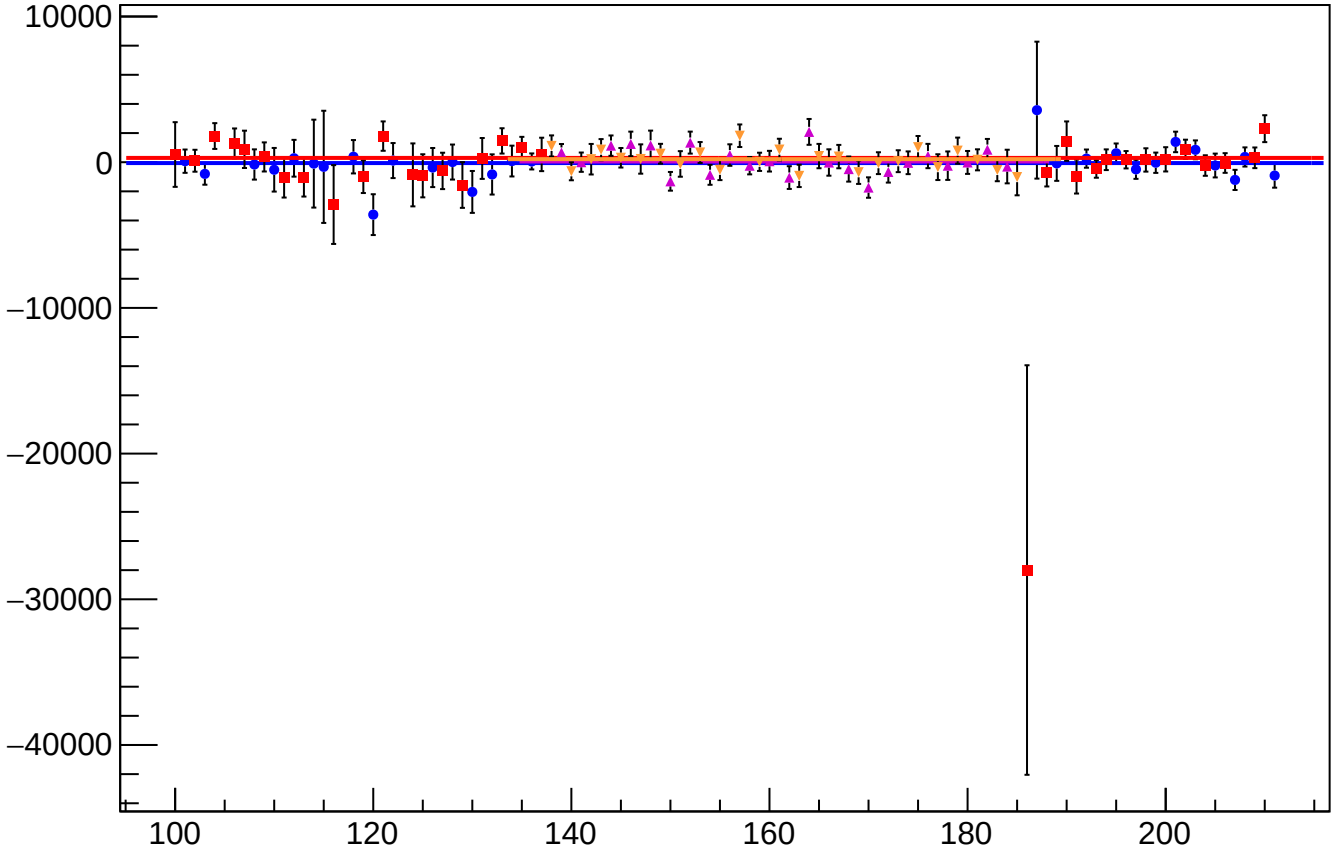
Left In: 114.677+/-0.019 χ^2/NDF:409932.2/22

+ sign 104.132+/-0.012 χ^2/NDF: 1140923.2/52

All: 104.511+/-0.009 χ^2/NDF: 2626333.3/108

- sign 104.892+/-0.012 χ^2/NDF: 1483528.5/55

asym_sam_15_dd_dit_correction_mean vs Slug



Right In: -58.826+/-167.476 χ^2/NDF: 22.9/27

Left Out: 209.377+/-153.925 χ^2/NDF:18.9/24

Right Out: 294.991+/-162.901 χ^2/NDF: 31.9/32

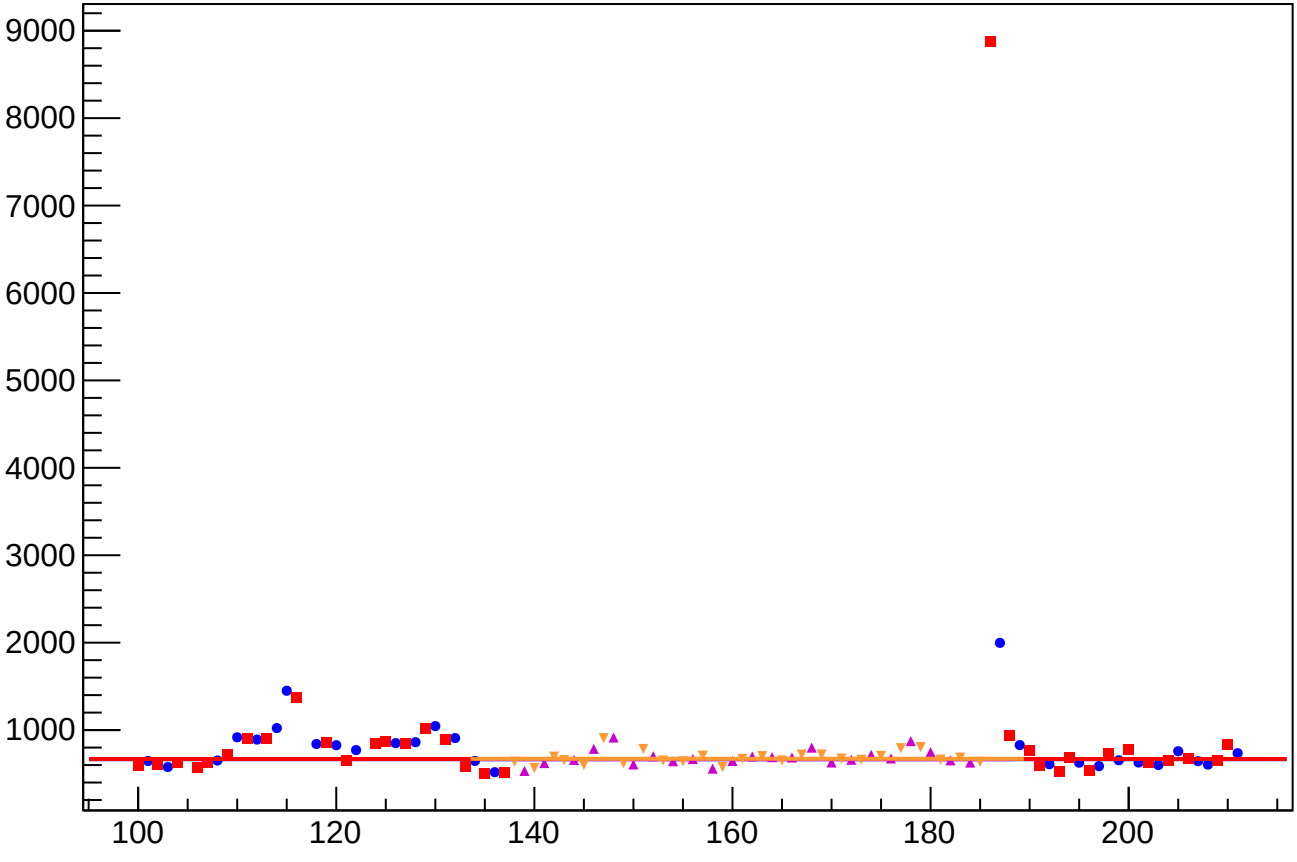
Left In: 50.266+/-157.485 χ^2/NDF:33.3/22

+ sign 86.563+/-113.330 χ^2/NDF: 43.2/52

All: 127.566+/-80.099 χ^2/NDF: 109.8/108

- sign 168.493+/-113.225 χ^2/NDF: 66.4/55

asym_sam_15_dd_dit_correction_rms vs Slug



Right In: 666.873+/-0.118 χ^2/NDF: 1120394.5/27

Left Out: 671.849+/-0.109 χ^2/NDF:399159.9/24

Right Out: 669.523+/-0.115 χ^2/NDF: 1954035.9/32

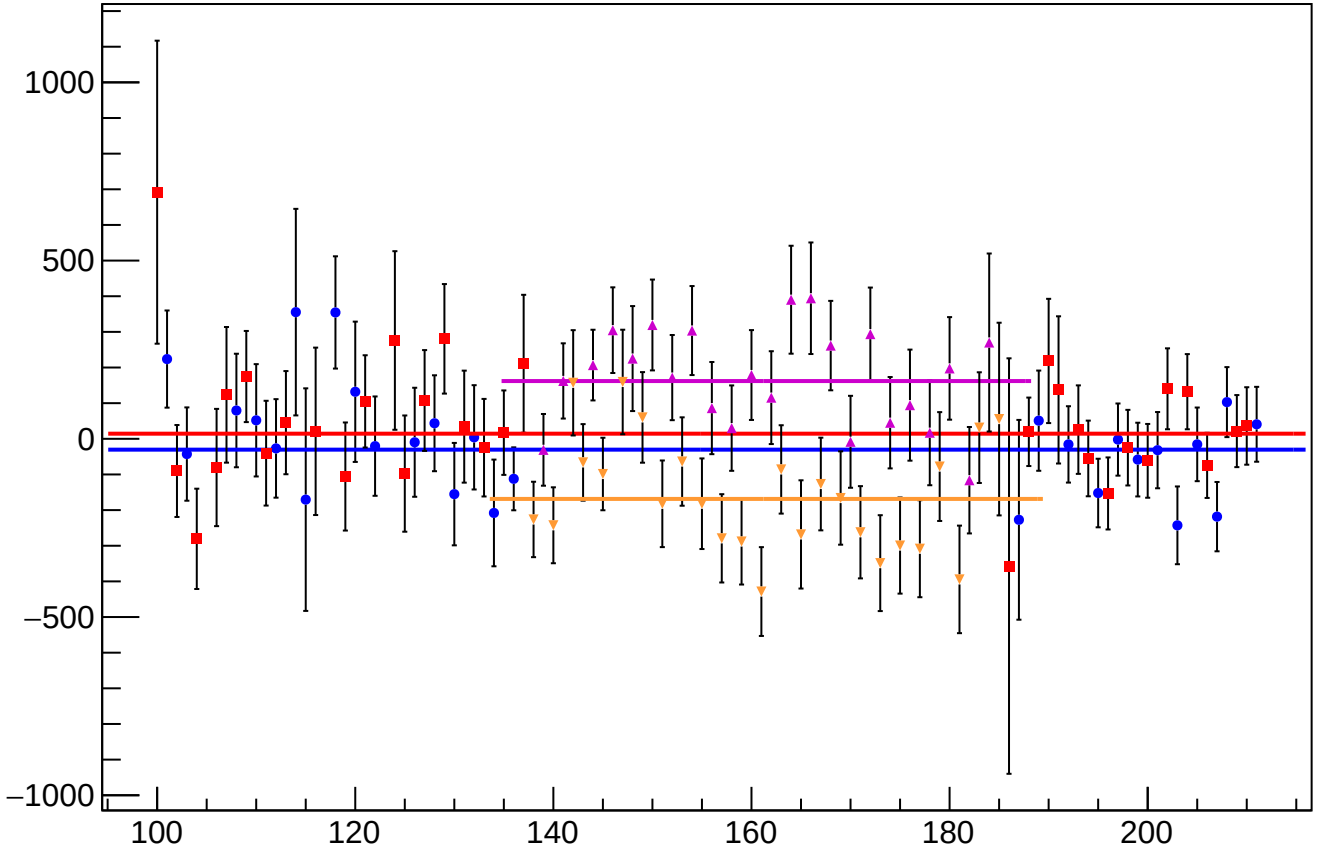
Left In: 667.341+/-0.111 χ^2/NDF:546903.6/22

+ sign 669.570+/-0.080 χ^2/NDF: 1520511.4/52

All: 668.982+/-0.057 χ^2/NDF: 4021743.9/108

- sign 668.395+/-0.080 χ^2/NDF: 2501125.0/55

eigen_dit_asym_sam_15_dd_mean vs Slug



Right In: -30.406+/-23.801 χ^2/NDF: 28.7/27

Left Out: -168.635+/-25.819 χ^2/NDF:32.4/24

Right Out: 14.400+/-23.147 χ^2/NDF: 26.7/32

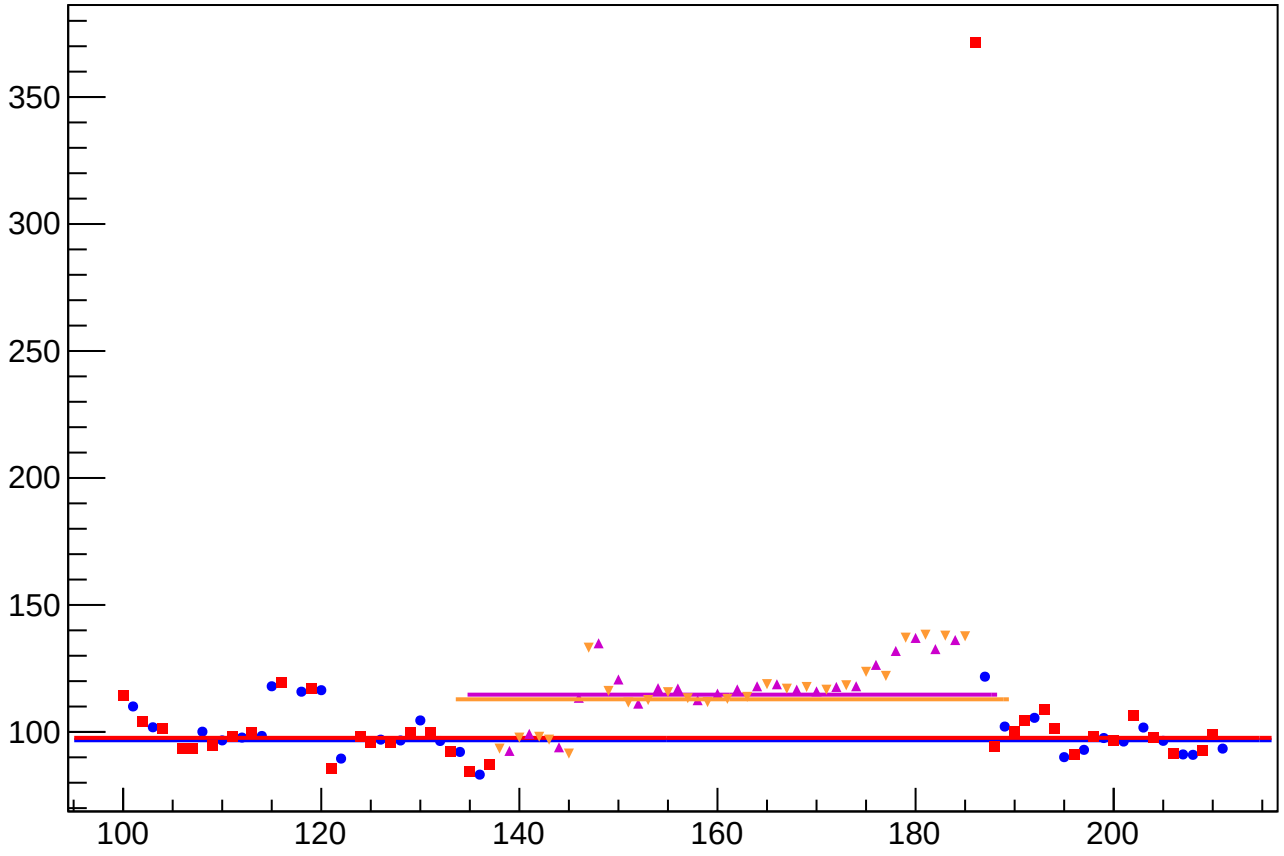
Left In: 162.028+/-26.948 χ^2/NDF:23.6/22

+ sign -93.908+/-17.500 χ^2/NDF: 76.6/52

All: -8.701+/-12.395 χ^2/NDF: 191.7/108

- sign 77.077+/-17.559 χ^2/NDF: 67.6/55

eigen_dit_asym_sam_15_dd_rms vs Slug



Right In: 96.724+/-0.017 χ^2/NDF: 206909.1/27

Left Out: 112.850+/-0.018 χ^2/NDF:512254.2/24

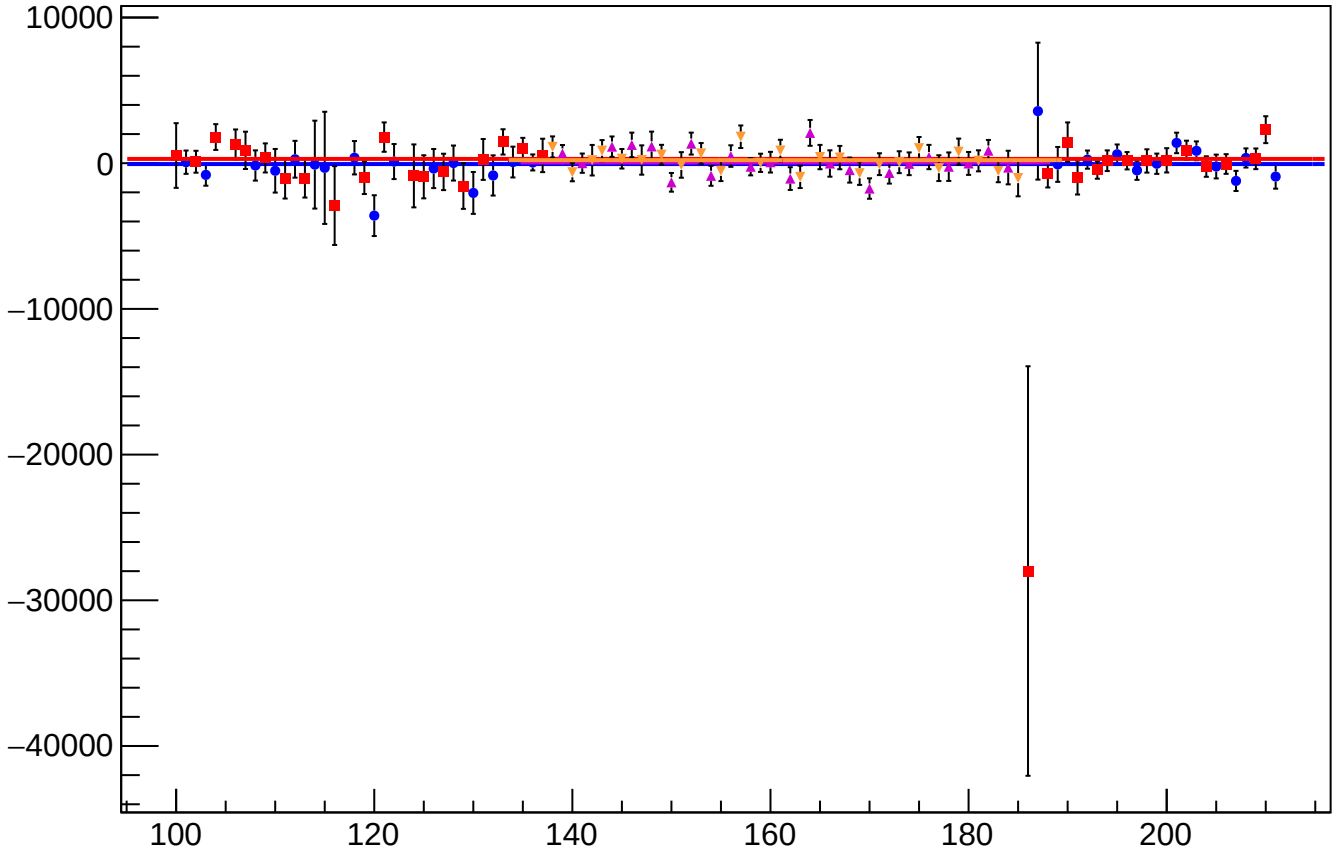
Right Out: 97.673+/-0.016 χ^2/NDF: 615347.6/32

Left In: 114.677+/-0.019 χ^2/NDF:409929.2/22

+ sign 104.132+/-0.012 χ^2/NDF: 1140930.7/52

All: 104.511+/-0.009 χ^2/NDF: 2626351.8/108

- sign 104.892+/-0.012 χ^2/NDF: 1483539.3/55



Right In: -58.826+/-167.476 χ^2/NDF: 22.9/27

Left Out: 209.377+/-153.926 χ^2/NDF:18.9/24

Right Out: 294.991+/-162.901 χ^2/NDF: 31.9/32

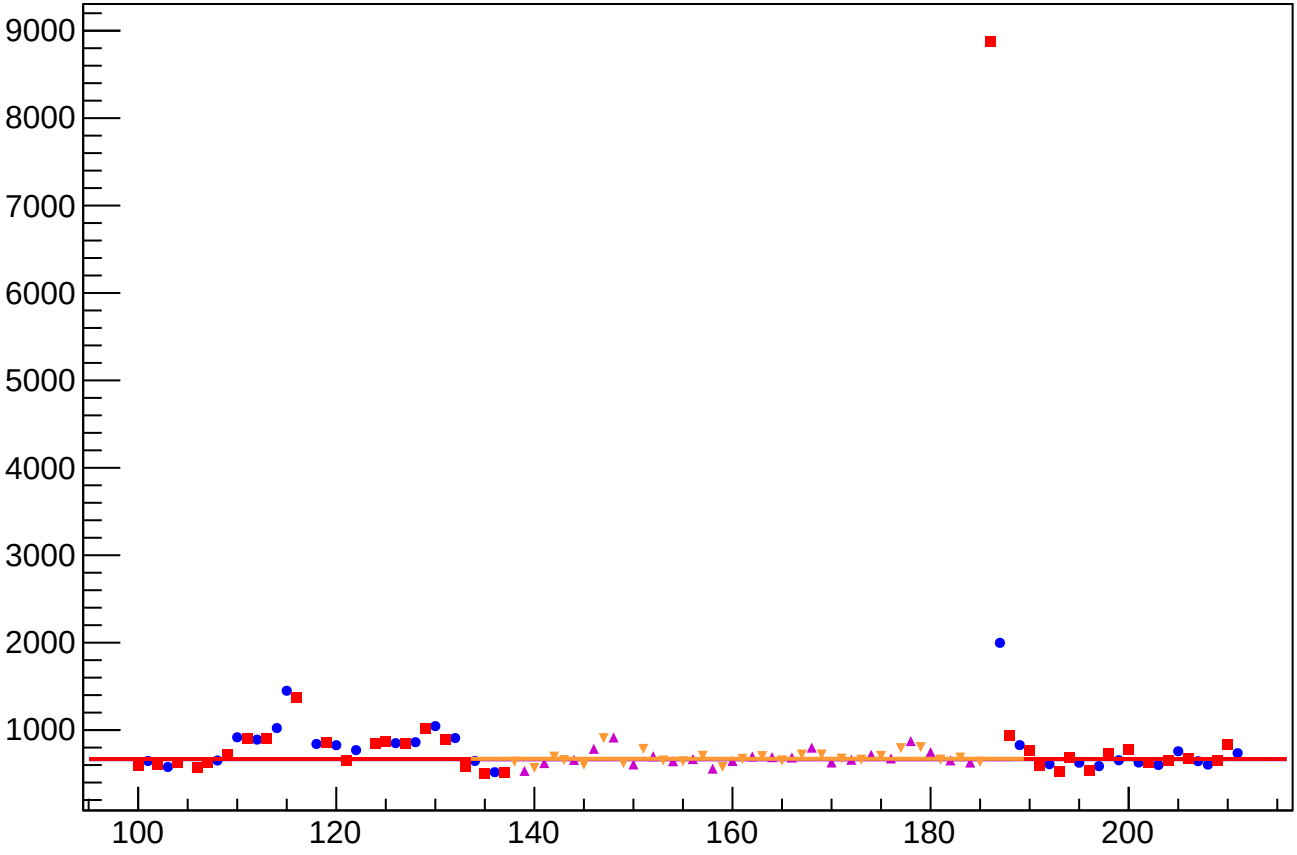
Left In: 50.267+/-157.485 χ^2/NDF:33.3/22

+ sign 86.563+/-113.330 χ^2/NDF: 43.2/52

All: 127.567+/-80.099 χ^2/NDF: 109.8/108

- sign 168.494+/-113.225 χ^2/NDF: 66.4/55

asym_sam_15_dd_eigen_dit_correction_rms vs Slug



Right In: 666.872+/-0.118 χ^2/NDF: 1120396.3/27

Left Out: 671.849+/-0.109 χ^2/NDF:399160.3/24

Right Out: 669.522+/-0.115 χ^2/NDF: 1954040.8/32

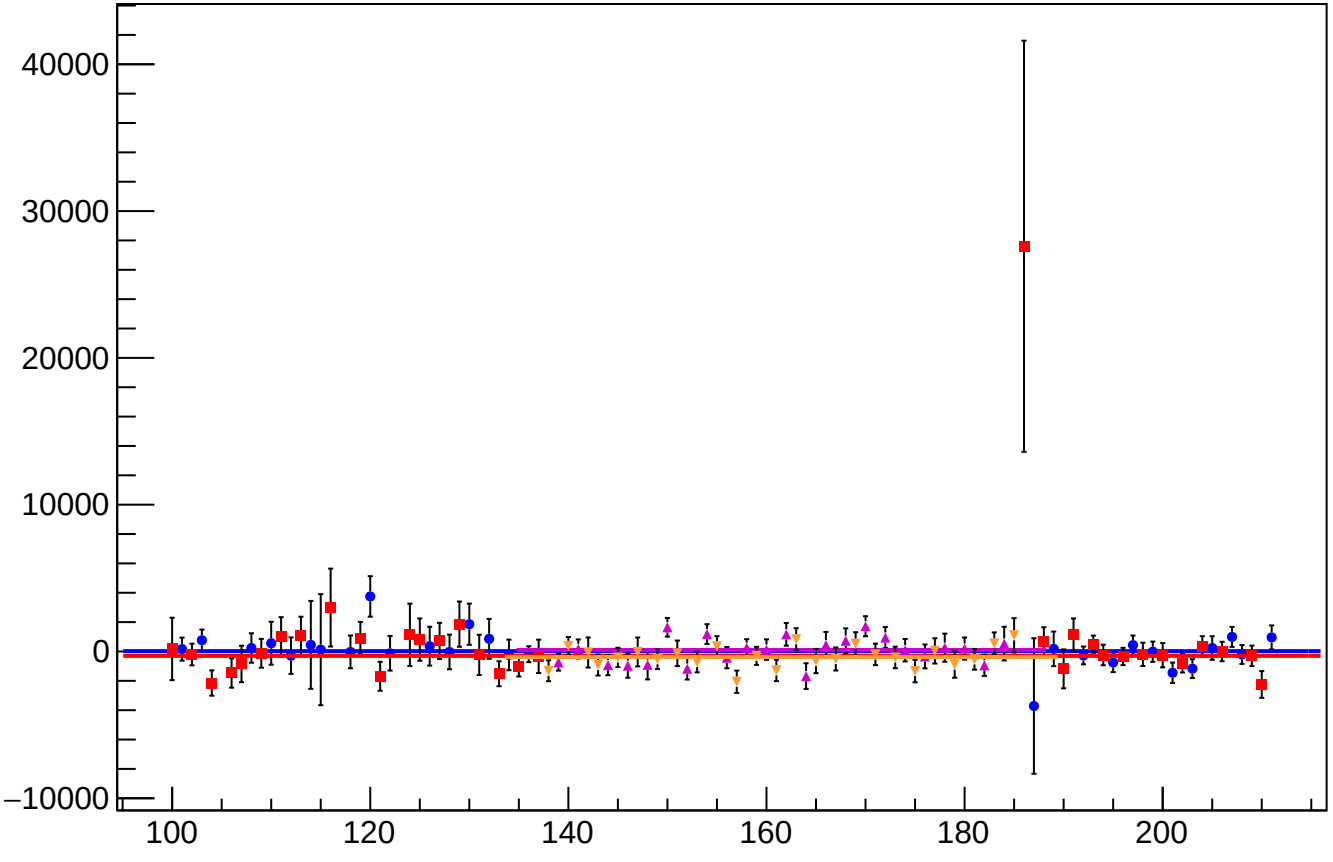
Left In: 667.342+/-0.111 χ^2/NDF:546905.8/22

+ sign 669.570+/-0.080 χ^2/NDF: 1520514.0/52

All: 668.982+/-0.057 χ^2/NDF: 4021753.4/108

- sign 668.395+/-0.080 χ^2/NDF: 2501131.8/55

asym_sam_15_dd_mean vs Slug



Right In: 22.014+/-164.523 χ^2/NDF: 25.2/27

Left Out: -377.221+/-150.952 χ^2/NDF:21.4/24

Right Out: -299.906+/-159.665 χ^2/NDF: 35.0/32

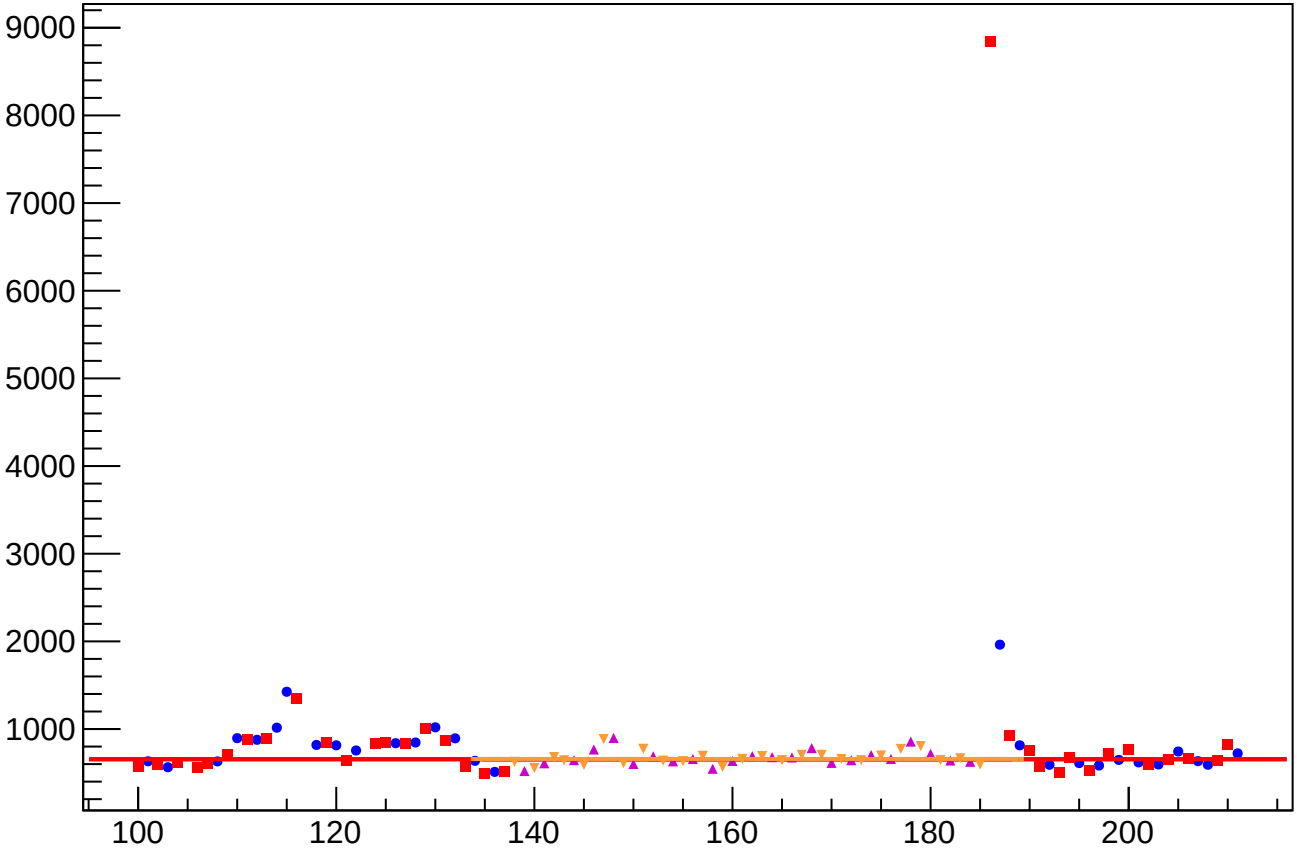
Left In: 103.321+/-154.335 χ^2/NDF:35.5/22

+ sign -194.746+/-111.228 χ^2/NDF: 49.8/52

All: -142.977+/-78.558 χ^2/NDF: 124.1/108

- sign -91.449+/-110.968 χ^2/NDF: 73.9/55

asym_sam_15_dd_rms vs Slug



Right In: 655.127+/-0.116 χ^2/NDF: 1110137.3/27

Left Out: 658.672+/-0.107 χ^2/NDF:409684.4/24

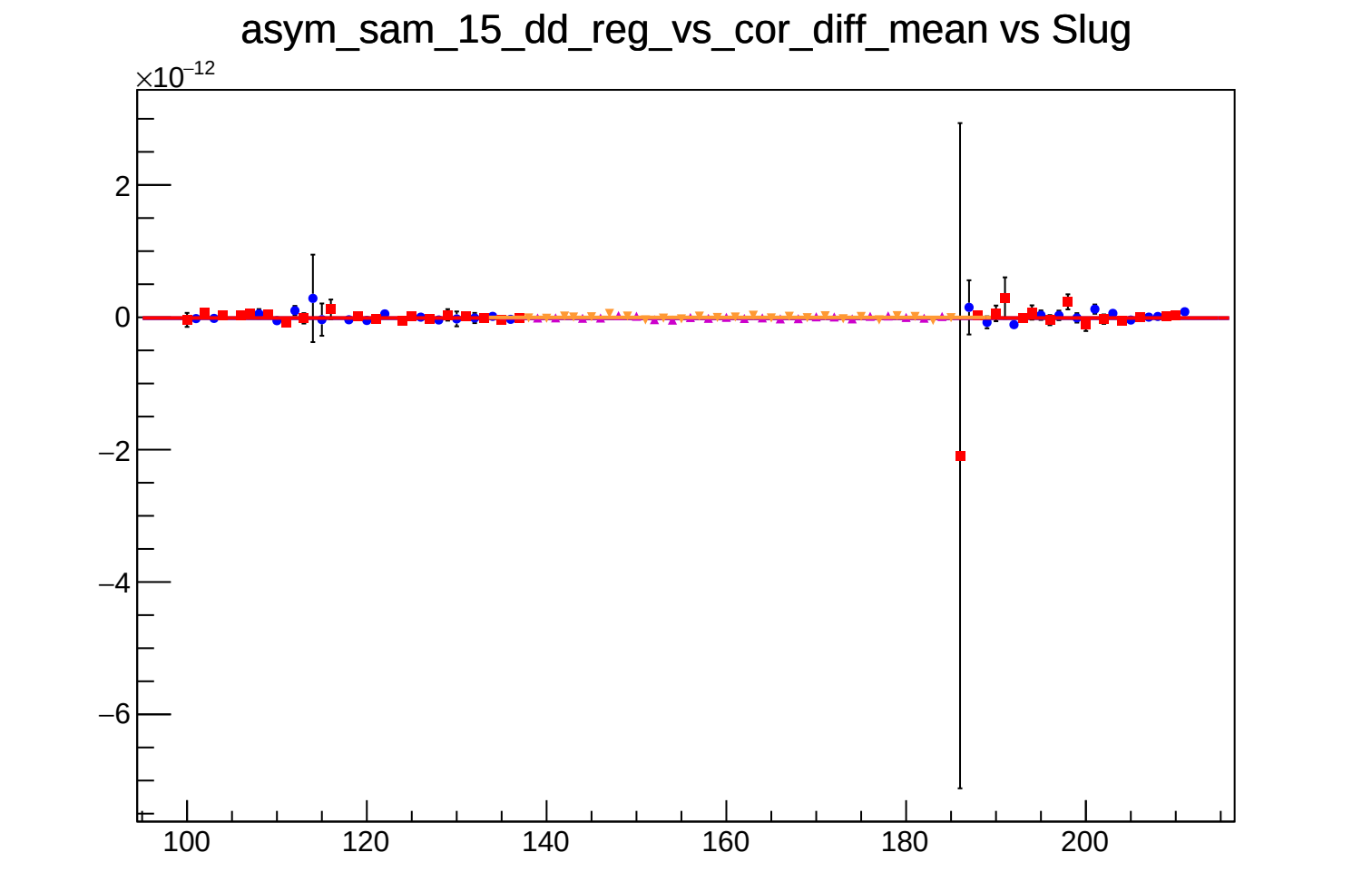
Right Out: 655.722+/-0.113 χ^2/NDF: 1996687.6/32

Left In: 653.950+/-0.109 χ^2/NDF:542078.1/22

+ sign 657.052+/-0.079 χ^2/NDF: 1520325.9/52

All: 655.926+/-0.056 χ^2/NDF: 4059627.6/108

- sign 654.806+/-0.078 χ^2/NDF: 2538893.0/55



Right In: -0.000+/-0.000 χ^2/NDF: 24.6/27

Left Out: -0.000+/-0.000 χ^2/NDF:31.8/24

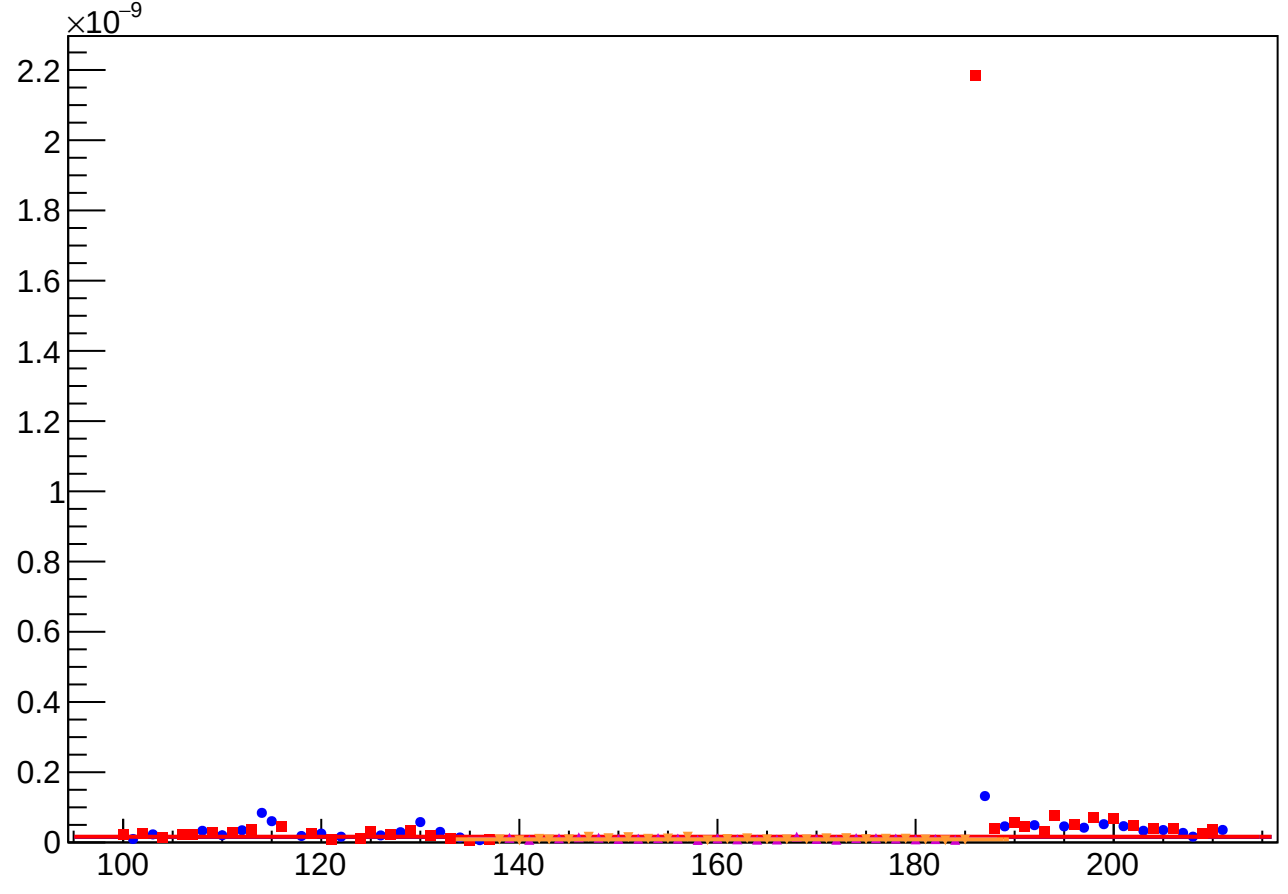
Right Out: -0.000+/-0.000 χ^2/NDF: 26.9/32

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

+ sign -0.000+/-0.000 χ^2/NDF: 58.7/52

All: -0.000+/-0.000 χ^2/NDF: 102.1/108

- sign -0.000+/-0.000 χ^2/NDF: 42.6/55



Right In: 0.000+/-0.000 χ^2/NDF: 5941085.1/27

Left Out: 0.000+/-0.000 χ^2/NDF:1037287.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7509003.5/32

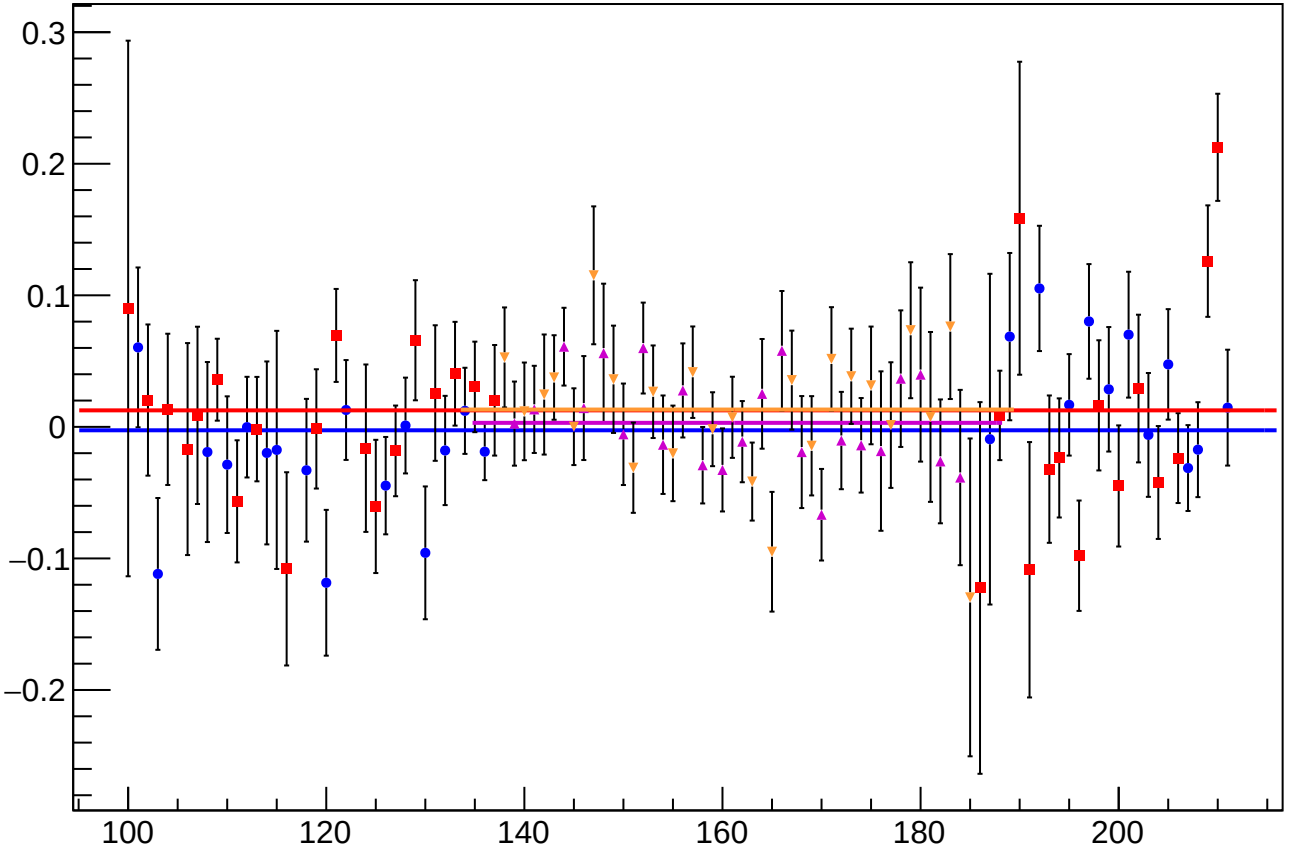
Left In: 0.000+/-0.000 χ^2/NDF:659247.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 8424972.2/52

All: 0.000+/-0.000 χ^2/NDF: 17869521.4/108

- sign 0.000+/-0.000 χ^2/NDF: 9276422.5/55

asym_sam_15_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.003+/-0.008 χ^2/NDF: 31.0/27

Left Out: 0.013+/-0.008 χ^2/NDF:25.4/24

Right Out: 0.013+/-0.008 χ^2/NDF: 61.8/32

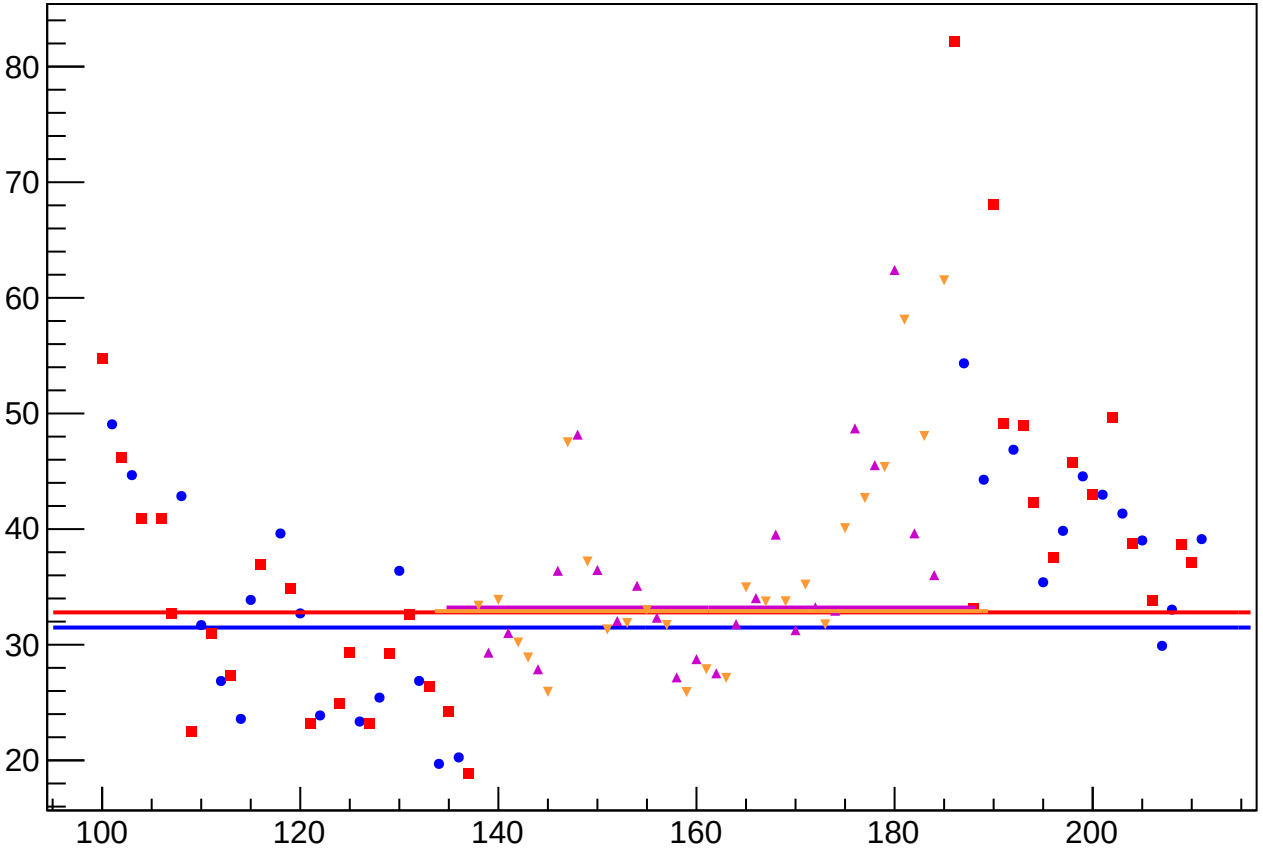
Left In: 0.003+/-0.008 χ^2/NDF:19.2/22

+ sign 0.006+/-0.006 χ^2/NDF: 58.4/52

All: 0.007+/-0.004 χ^2/NDF: 140.1/108

- sign 0.008+/-0.006 χ^2/NDF: 81.7/55

asym_sam_15_dd_dit_vs_cor_diff_rms vs Slug



Right In: 31.486+/-0.006 χ^2/NDF: 2442526.2/27

Left Out: 32.907+/-0.005 χ^2/NDF:1427924.1/24

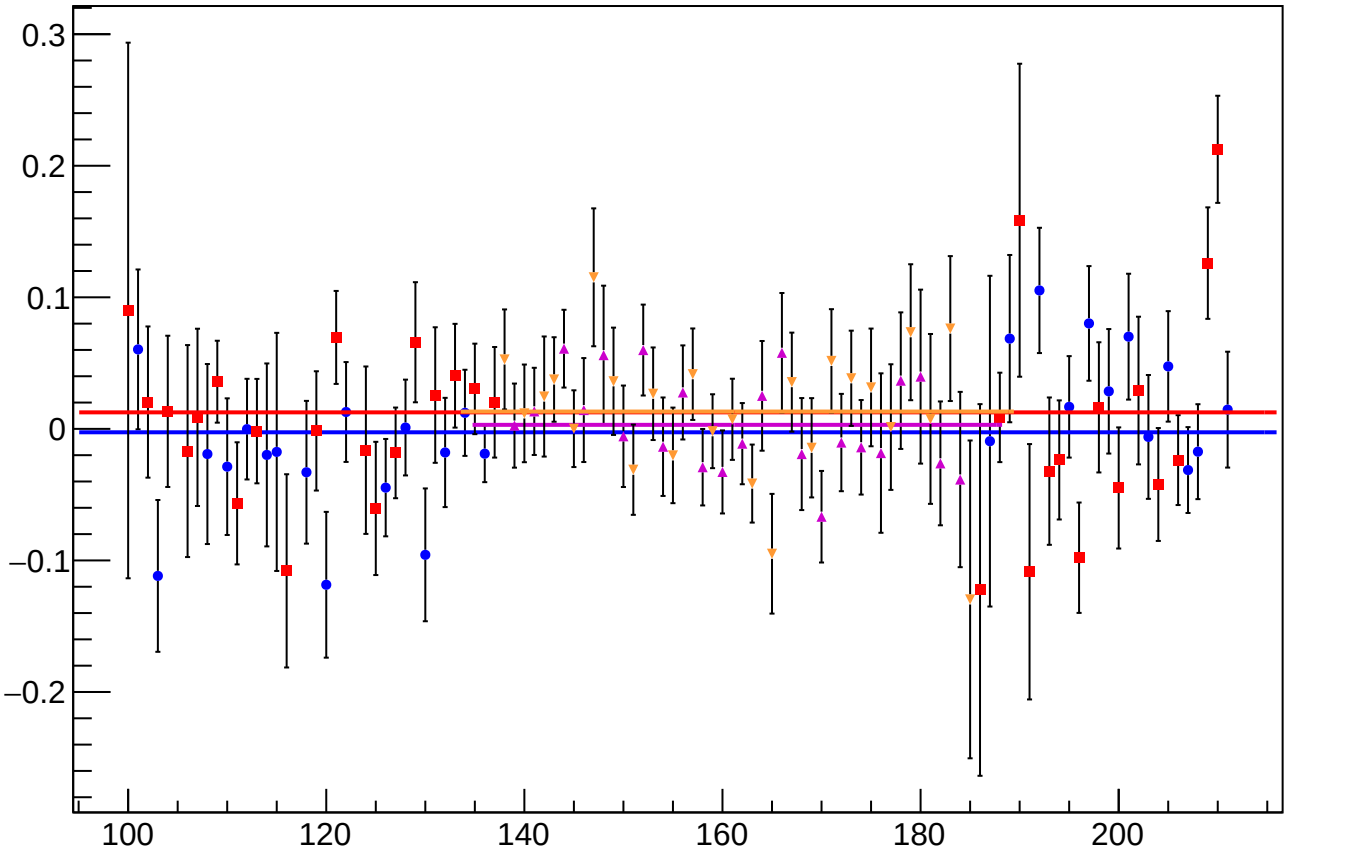
Right Out: 32.798+/-0.006 χ^2/NDF: 2486342.0/32

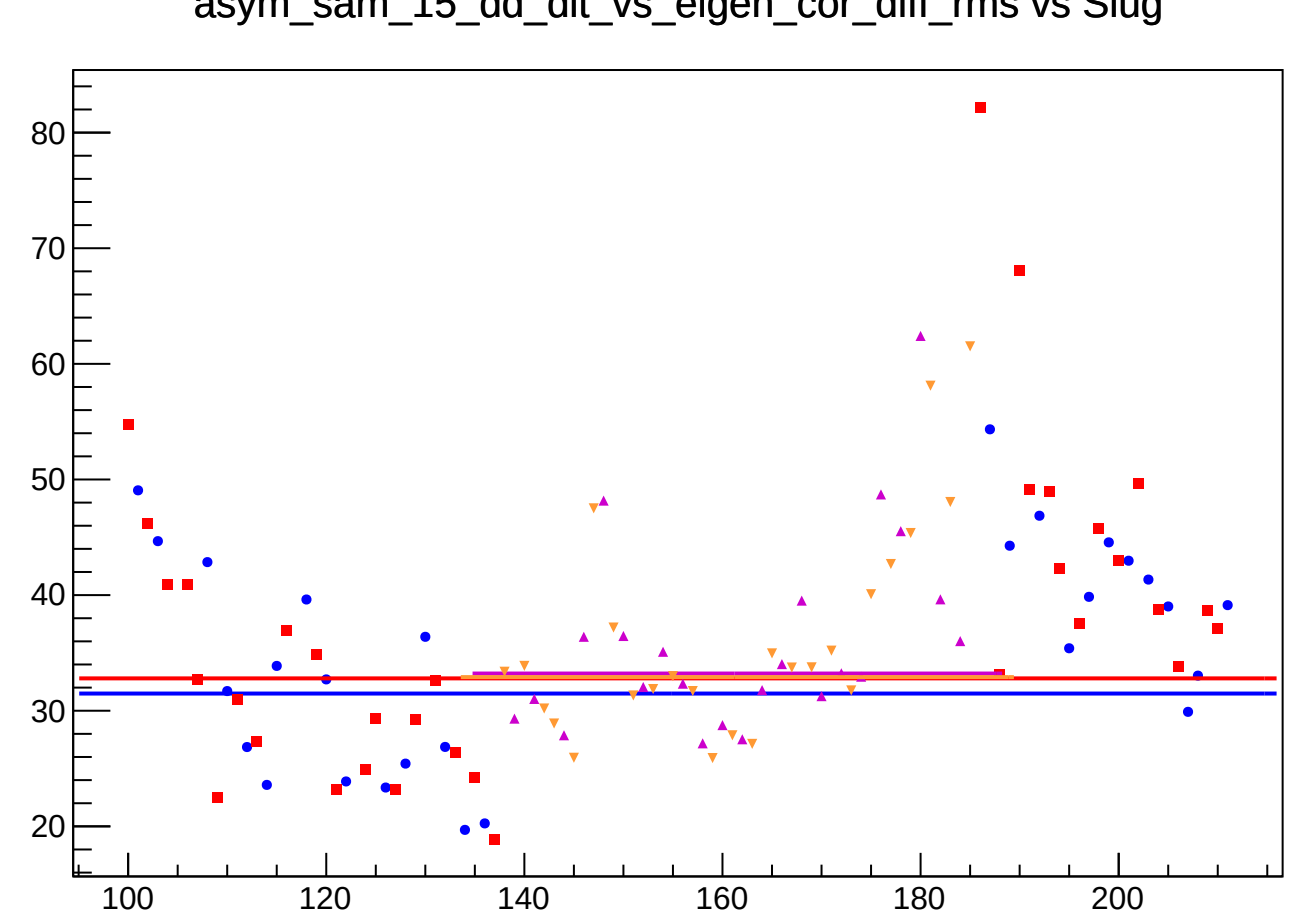
Left In: 33.217+/-0.006 χ^2/NDF:1221447.0/22

+ sign 32.237+/-0.004 χ^2/NDF: 3902737.7/52

All: 32.617+/-0.003 χ^2/NDF: 7632121.4/108

- sign 33.011+/-0.004 χ^2/NDF: 3710508.4/55


asym_sam_15_dd_dit_vs_eigen_cor_diff_mean vs Slug
0.3
0.2
0.1
0
−0.1
−0.2
100
120
140
160
180
200
Right In: -0.003+/-0.008 χ²/NDF: 31.0/27
Left Out: 0.013+/-0.008 χ²/NDF:25.4/24
Right Out: 0.013+/-0.008 χ²/NDF: 61.8/32
Left In: 0.003+/-0.008 χ²/NDF:19.2/22
+ sign 0.006+/-0.006 χ²/NDF: 58.4/52
All: 0.007+/-0.004 χ²/NDF: 140.1/108
- sign 0.008+/-0.006 χ²/NDF: 81.7/55



Right In: 31.486+/-0.006 χ^2/NDF: 2442526.2/27

Left Out: 32.907+/-0.005 χ^2/NDF:1427924.1/24

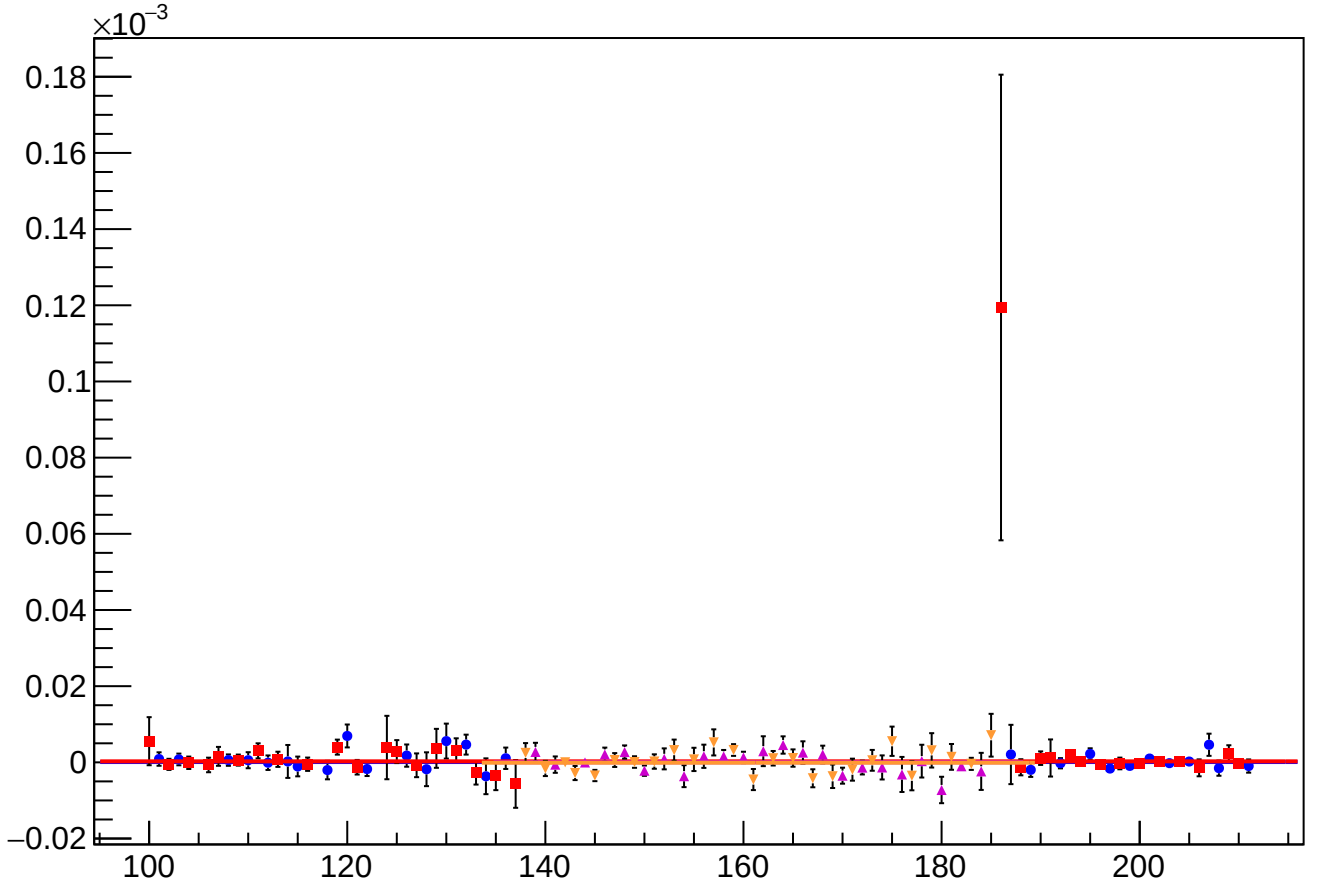
Right Out: 32.798+/-0.006 χ^2/NDF: 2486342.0/32

Left In: 33.217+/-0.006 χ^2/NDF:1221447.0/22

+ sign 32.237+/-0.004 χ^2/NDF: 3902737.7/52

All: 32.617+/-0.003 χ^2/NDF: 7632121.4/108

- sign 33.011+/-0.004 χ^2/NDF: 3710508.4/55



Right In: 0.000+/-0.000 χ^2/NDF: 24.8/27

Left Out: -0.000+/-0.000 χ^2/NDF:31.0/24

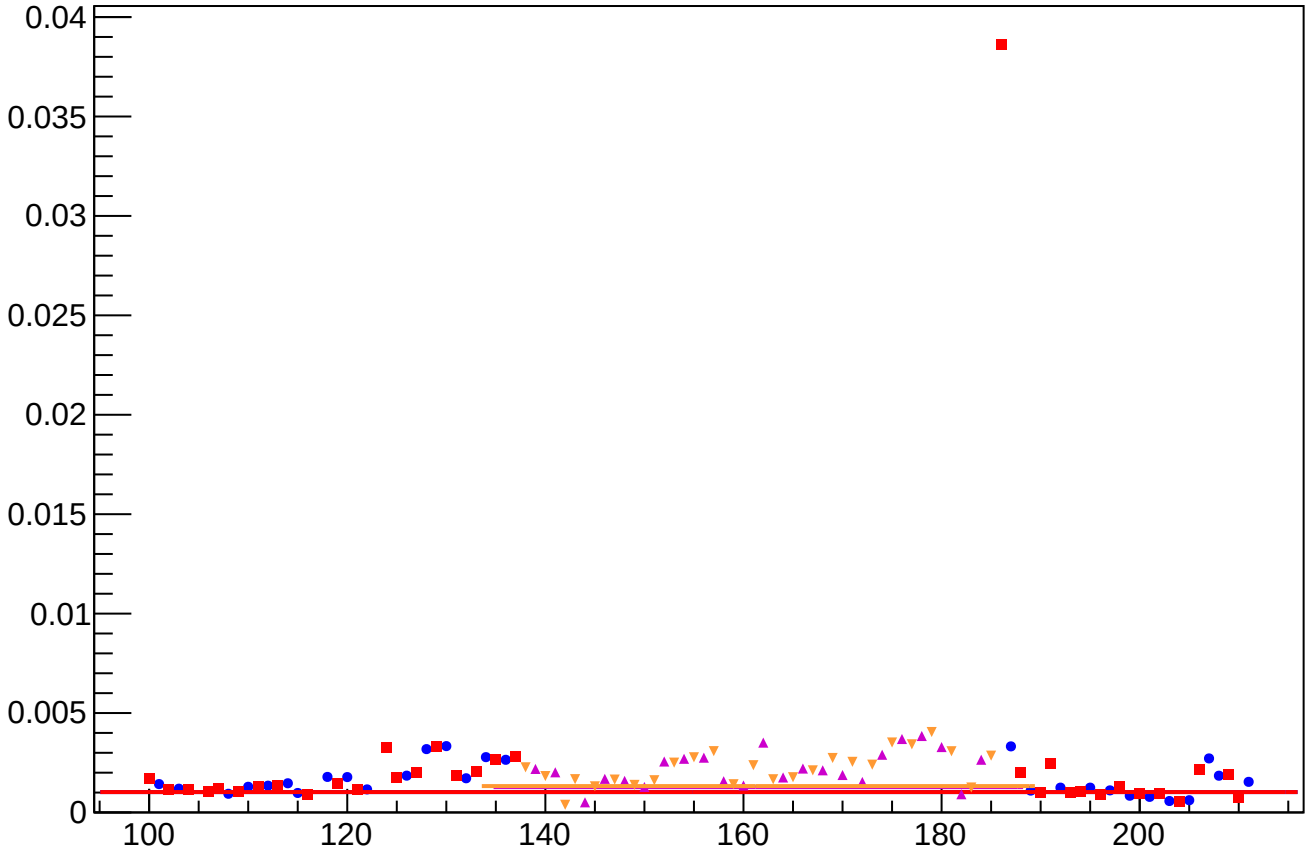
Right Out: 0.000+/-0.000 χ^2/NDF: 23.1/32

Left In: 0.000+/-0.000 χ^2/NDF:27.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 55.9/52

All: 0.000+/-0.000 χ^2/NDF: 106.6/108

- sign 0.000+/-0.000 χ^2/NDF: 50.4/55



Right In: 0.001+/-0.000 χ^2/NDF: 5953810.7/27

Left Out: 0.001+/-0.000 χ^2/NDF:11159347.0/24

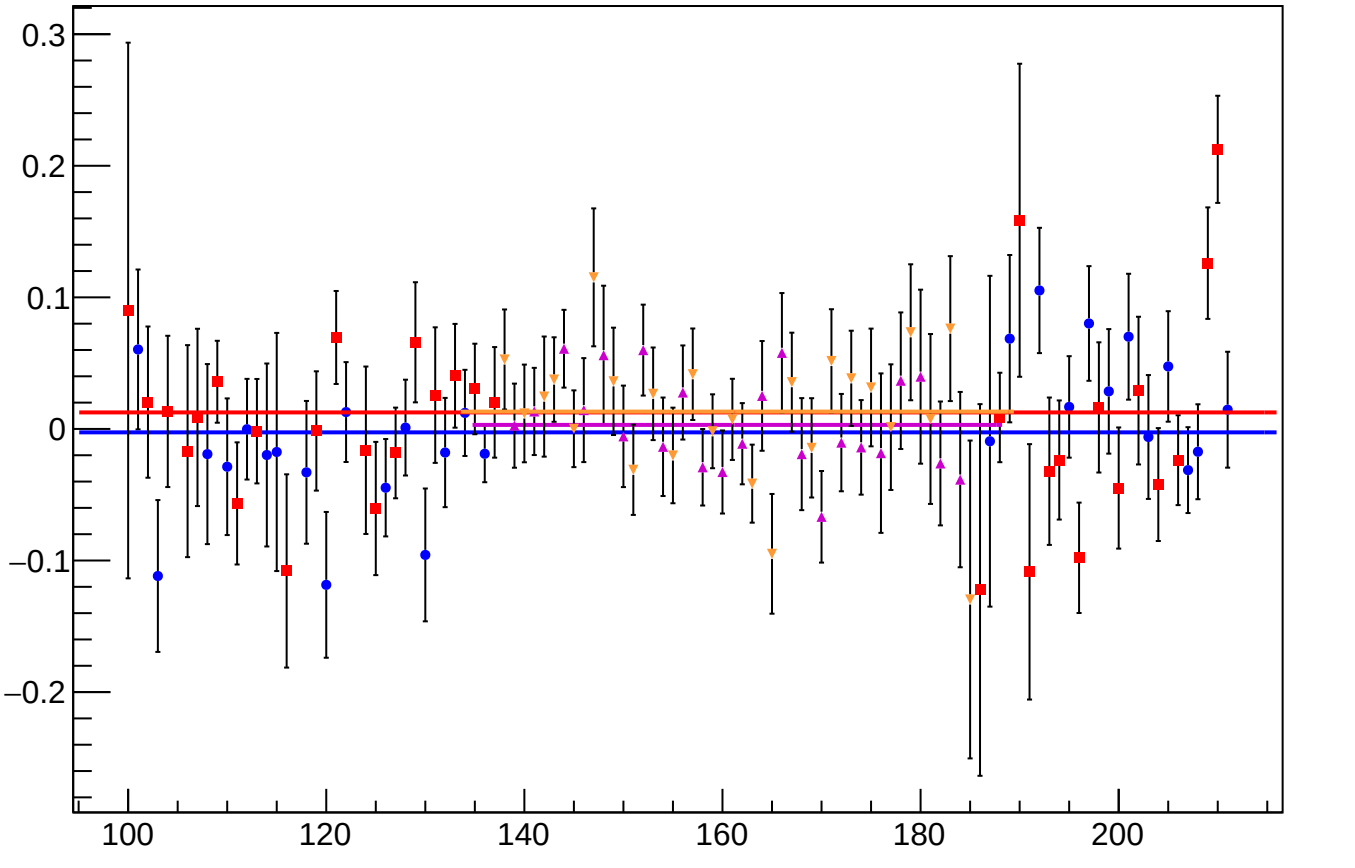
Right Out: 0.001+/-0.000 χ^2/NDF: 6004295.6/32

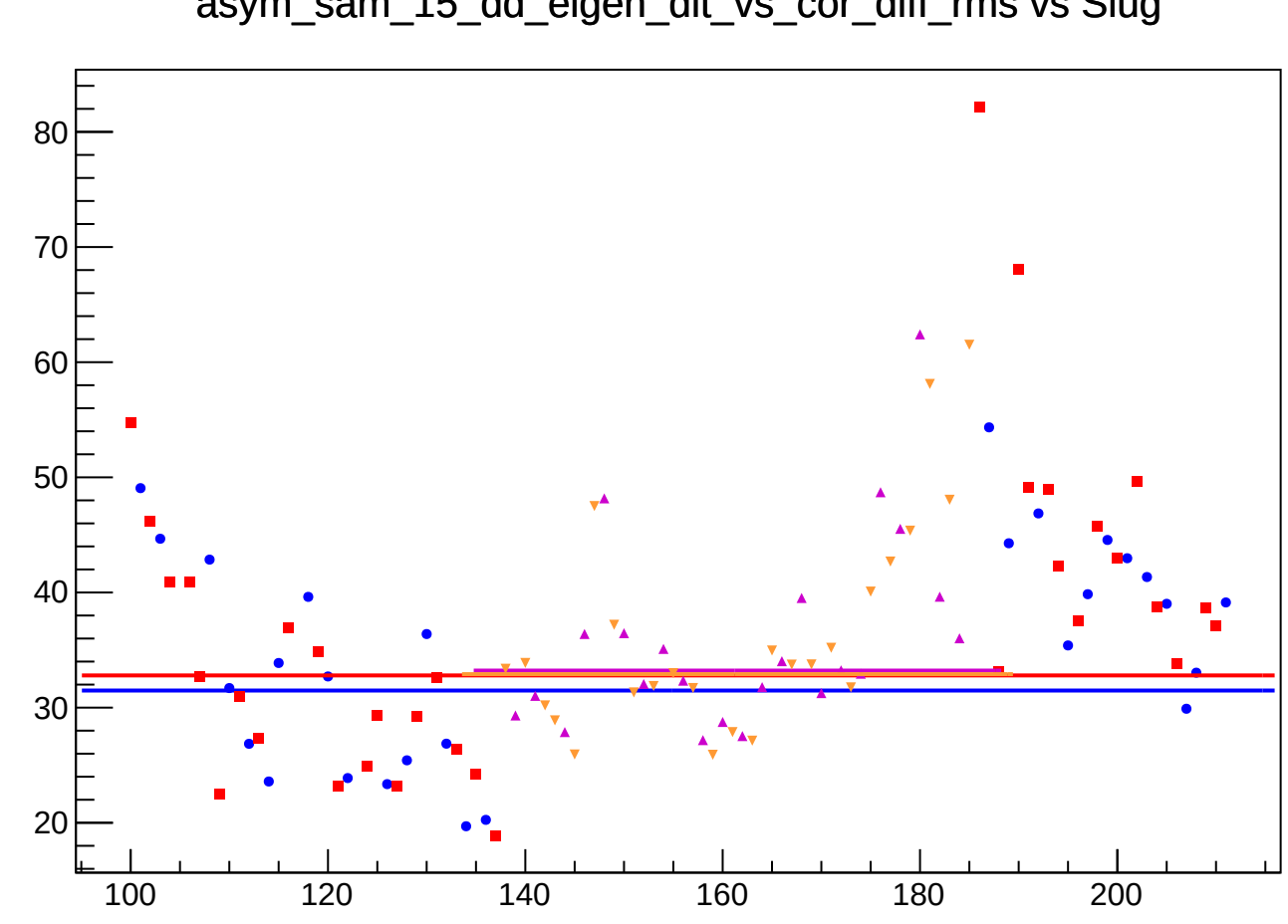
Left In: 0.001+/-0.000 χ^2/NDF:9878422.3/22

+ sign 0.001+/-0.000 χ^2/NDF: 17950097.3/52

All: 0.001+/-0.000 χ^2/NDF: 34465464.1/108

- sign 0.001+/-0.000 χ^2/NDF: 16504643.0/55


asym_sam_15_dd_eigen_dit_vs_cor_diff_mean vs Slug
0.3
0.2
0.1
0
−0.1
−0.2
100
120
140
160
180
200
Right In: -0.003+/-0.008 χ²/NDF: 31.0/27
Left Out: 0.013+/-0.008 χ²/NDF:25.4/24
Right Out: 0.013+/-0.008 χ²/NDF: 61.8/32
Left In: 0.003+/-0.008 χ²/NDF:19.2/22
+ sign 0.006+/-0.006 χ²/NDF: 58.4/52
All: 0.007+/-0.004 χ²/NDF: 140.1/108
- sign 0.008+/-0.006 χ²/NDF: 81.7/55



Right In: 31.486+/-0.006 χ^2/NDF: 2442751.5/27

Left Out: 32.907+/-0.005 χ^2/NDF:1427993.7/24

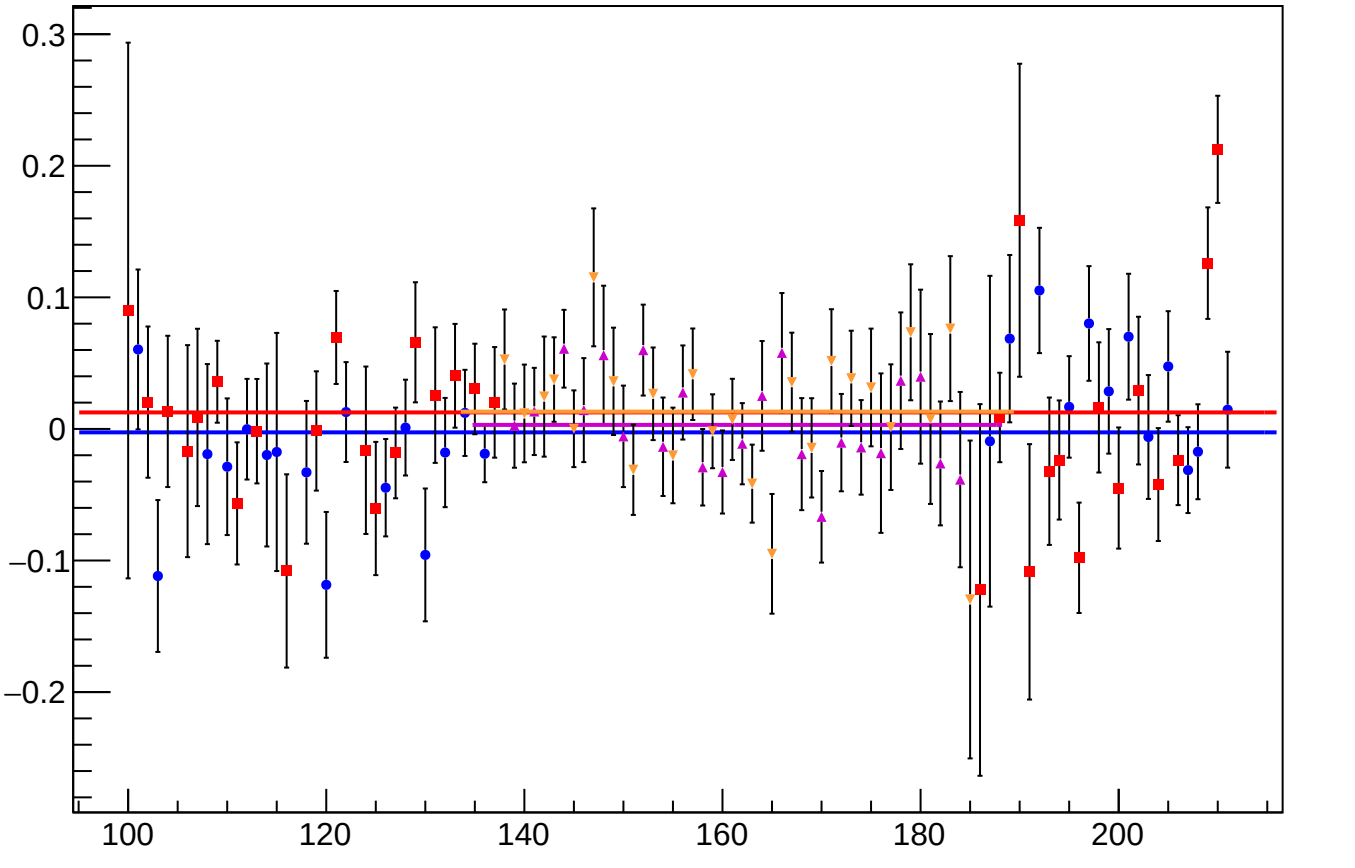
Right Out: 32.797+/-0.006 χ^2/NDF: 2486685.3/32

Left In: 33.217+/-0.006 χ^2/NDF:1221516.5/22

+ sign 32.237+/-0.004 χ^2/NDF: 3903068.5/52

All: 32.617+/-0.003 χ^2/NDF: 7632876.3/108

- sign 33.010+/-0.004 χ^2/NDF: 3710935.5/55



Right In: -0.003+/-0.008 χ^2/NDF: 31.0/27

Left Out: 0.013+/-0.008 χ^2/NDF:25.4/24

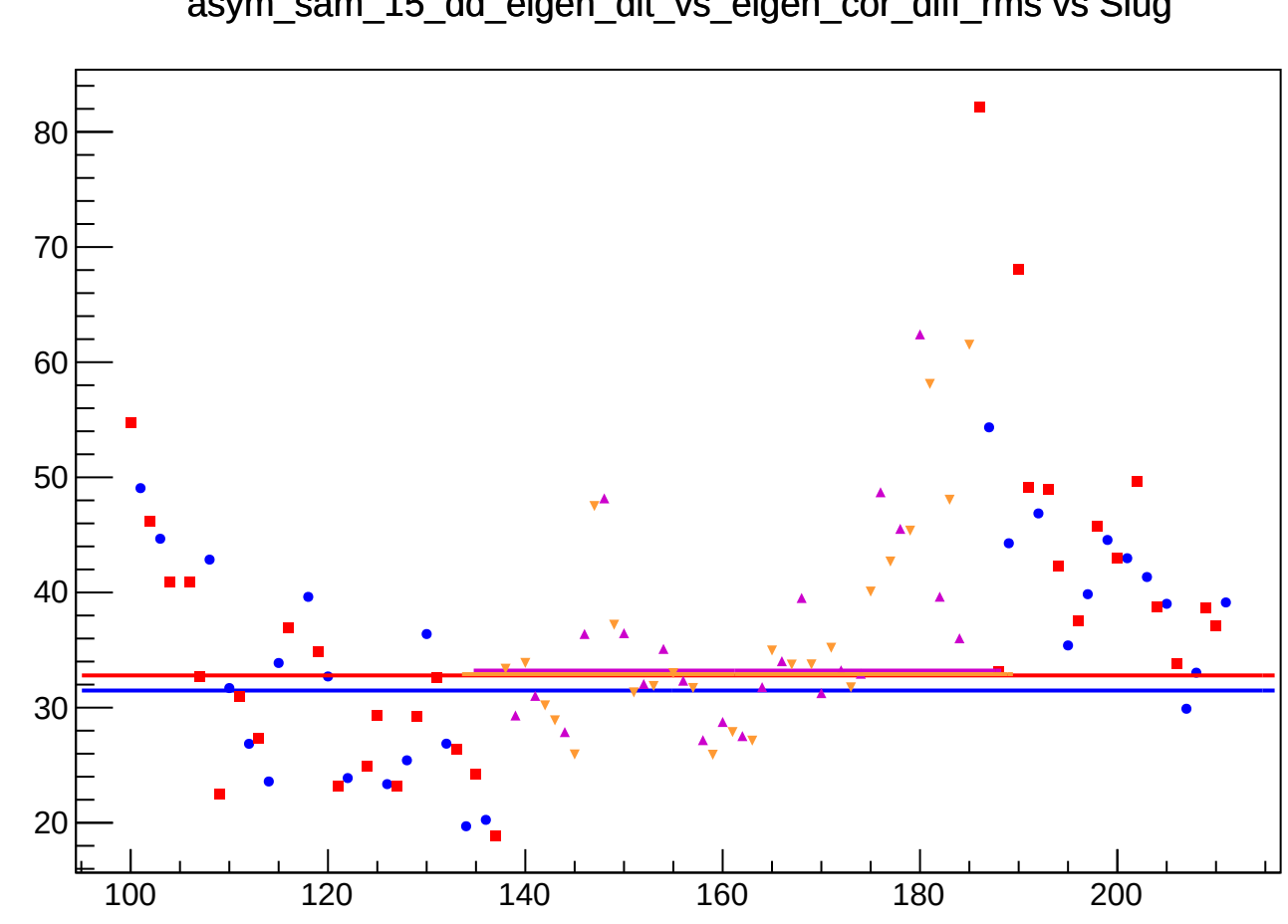
Right Out: 0.013+/-0.008 χ^2/NDF: 61.8/32

Left In: 0.003+/-0.008 χ^2/NDF:19.2/22

+ sign 0.006+/-0.006 χ^2/NDF: 58.4/52

All: 0.007+/-0.004 χ^2/NDF: 140.1/108

- sign 0.008+/-0.006 χ^2/NDF: 81.7/55



Right In: 31.486+/-0.006 χ^2/NDF: 2442751.5/27

Left Out: 32.907+/-0.005 χ^2/NDF:1427993.7/24

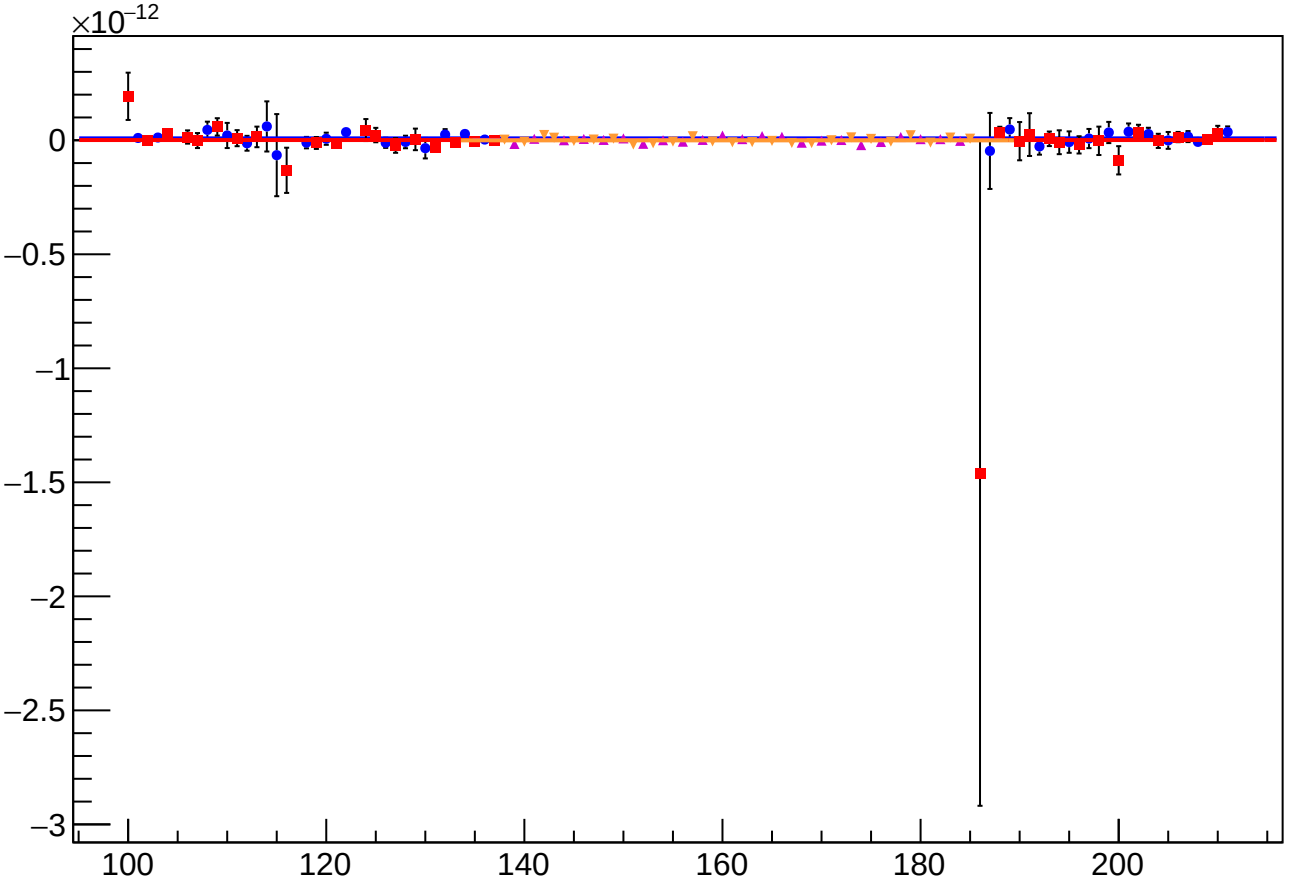
Right Out: 32.797+/-0.006 χ^2/NDF: 2486685.3/32

Left In: 33.217+/-0.006 χ^2/NDF:1221516.5/22

+ sign 32.237+/-0.004 χ^2/NDF: 3903068.5/52

All: 32.617+/-0.003 χ^2/NDF: 7632876.3/108

- sign 33.010+/-0.004 χ^2/NDF: 3710935.5/55



Right In: 0.000+/-0.000 χ^2/NDF: 13.6/27

Left Out: -0.000+/-0.000 χ^2/NDF:31.0/24

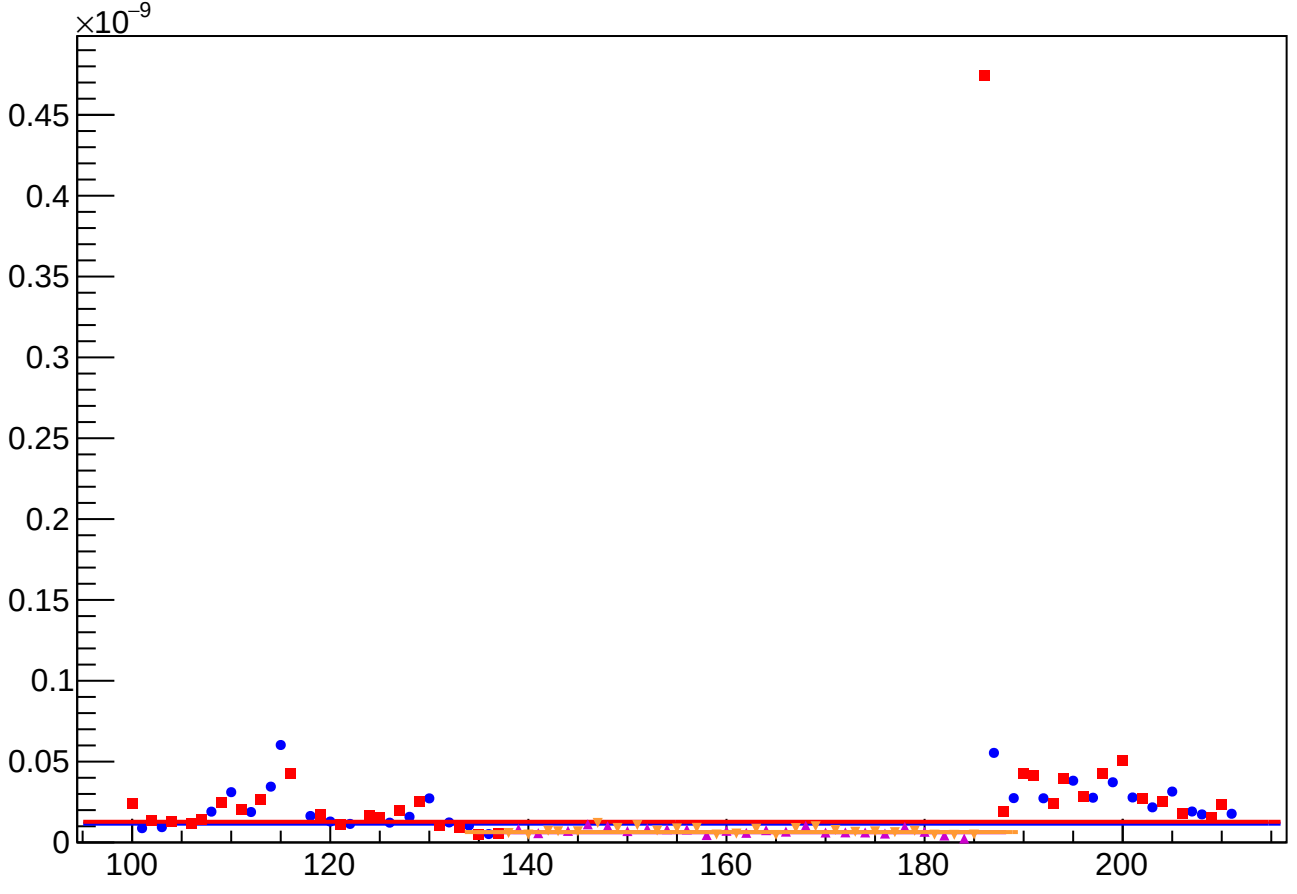
Right Out: 0.000+/-0.000 χ^2/NDF: 22.5/32

Left In: 0.000+/-0.000 χ^2/NDF:25.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 48.3/52

All: 0.000+/-0.000 χ^2/NDF: 96.0/108

- sign 0.000+/-0.000 χ^2/NDF: 47.8/55



Right In: 0.000+/-0.000 χ^2/NDF: 7056086.3/27

Left Out: 0.000+/-0.000 χ^2/NDF:1879116.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7429151.4/32

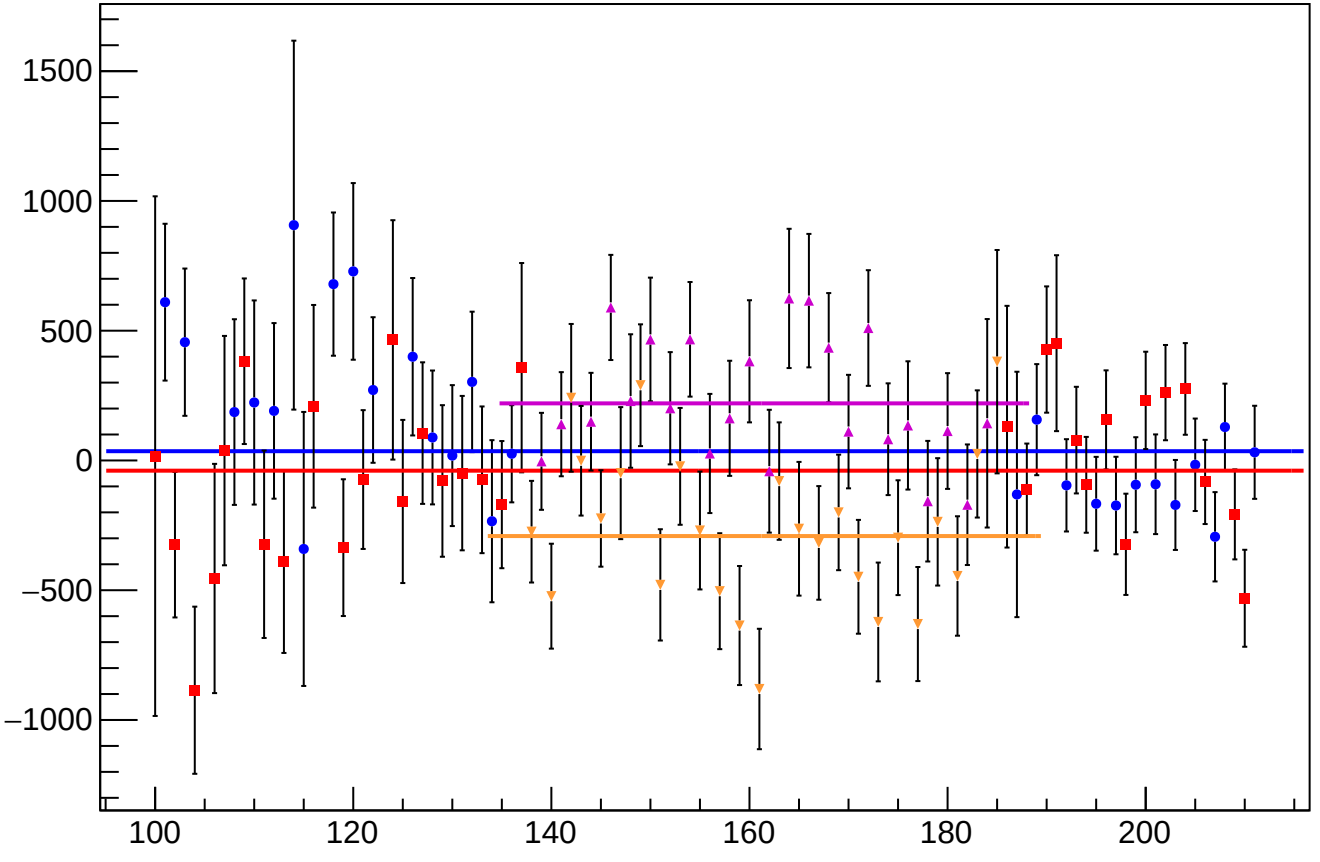
Left In: 0.000+/-0.000 χ^2/NDF:2127144.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 11605784.4/52

All: 0.000+/-0.000 χ^2/NDF: 24902409.0/108

- sign 0.000+/-0.000 χ^2/NDF: 13295210.0/55

reg_asym_sam_26_dd_mean vs Slug



Right In: 35.691+/-43.953 χ^2/NDF: 31.9/27

Left Out: -291.313+/-45.614 χ^2/NDF:36.4/24

Right Out: -39.367+/-43.044 χ^2/NDF: 42.4/32

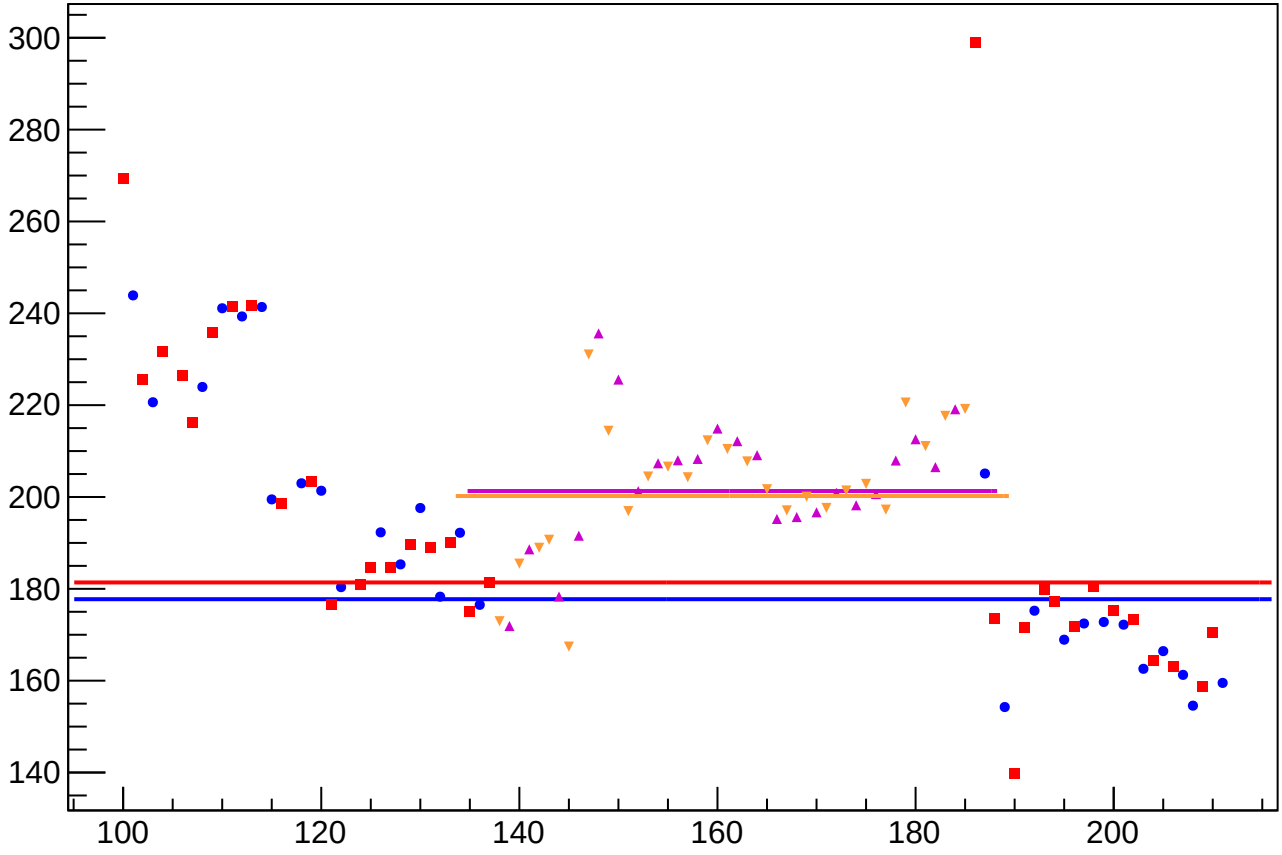
Left In: 219.974+/-47.146 χ^2/NDF:23.7/22

+ sign -121.752+/-31.650 χ^2/NDF: 94.9/52

All: -22.043+/-22.429 χ^2/NDF: 197.4/108

- sign 78.532+/-31.788 χ^2/NDF: 82.6/55

reg_asym_sam_26_dd_rms vs Slug



Right In: 177.743+/-0.031 χ^2/NDF: 502004.8/27

Left Out: 200.210+/-0.032 χ^2/NDF:204393.9/24

Right Out: 181.391+/-0.030 χ^2/NDF: 634180.9/32

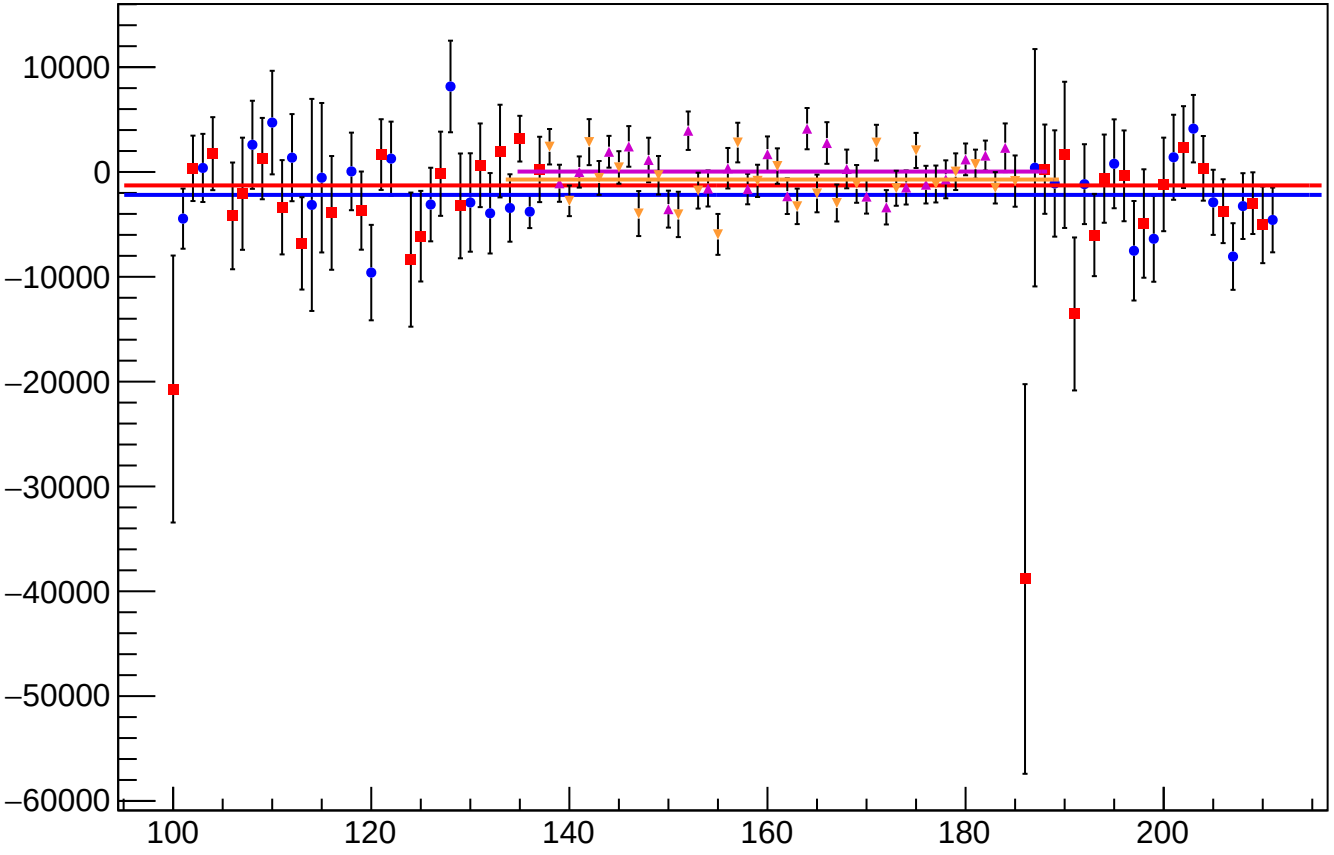
Left In: 201.297+/-0.033 χ^2/NDF:181646.8/22

+ sign 188.560+/-0.022 χ^2/NDF: 957996.9/52

All: 189.496+/-0.016 χ^2/NDF: 1971802.3/108

- sign 190.441+/-0.022 χ^2/NDF: 1010290.0/55

asym_sam_26_dd_reg_correction_mean vs Slug



Right In: -2186.167+/-674.777 χ^2/NDF: 28.2/27

Left Out: -720.700+/-346.376 χ^2/NDF:38.3/24

Right Out: -1281.740+/-696.419 χ^2/NDF: 27.7/32

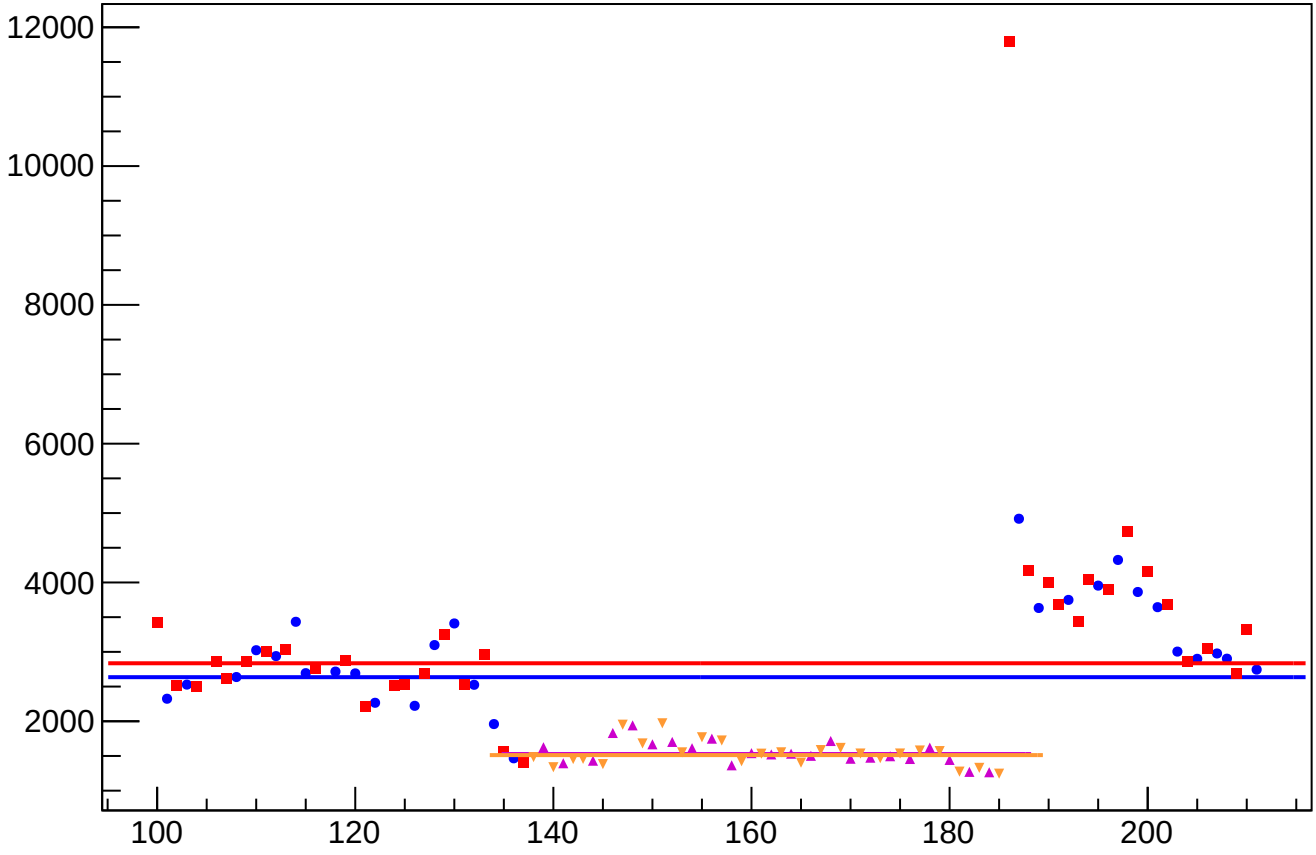
Left In: 39.277+/-359.265 χ^2/NDF:34.4/22

+ sign -1026.317+/-308.149 χ^2/NDF: 70.2/52

All: -646.331+/-221.726 χ^2/NDF: 138.3/108

- sign -238.387+/-319.283 χ^2/NDF: 64.9/55

asym_sam_26_dd_reg_correction_rms vs Slug



Right In: 2635.326+/-0.477 χ^2/NDF: 2556552.8/27

Left Out: 1512.365+/-0.245 χ^2/NDF:442558.0/24

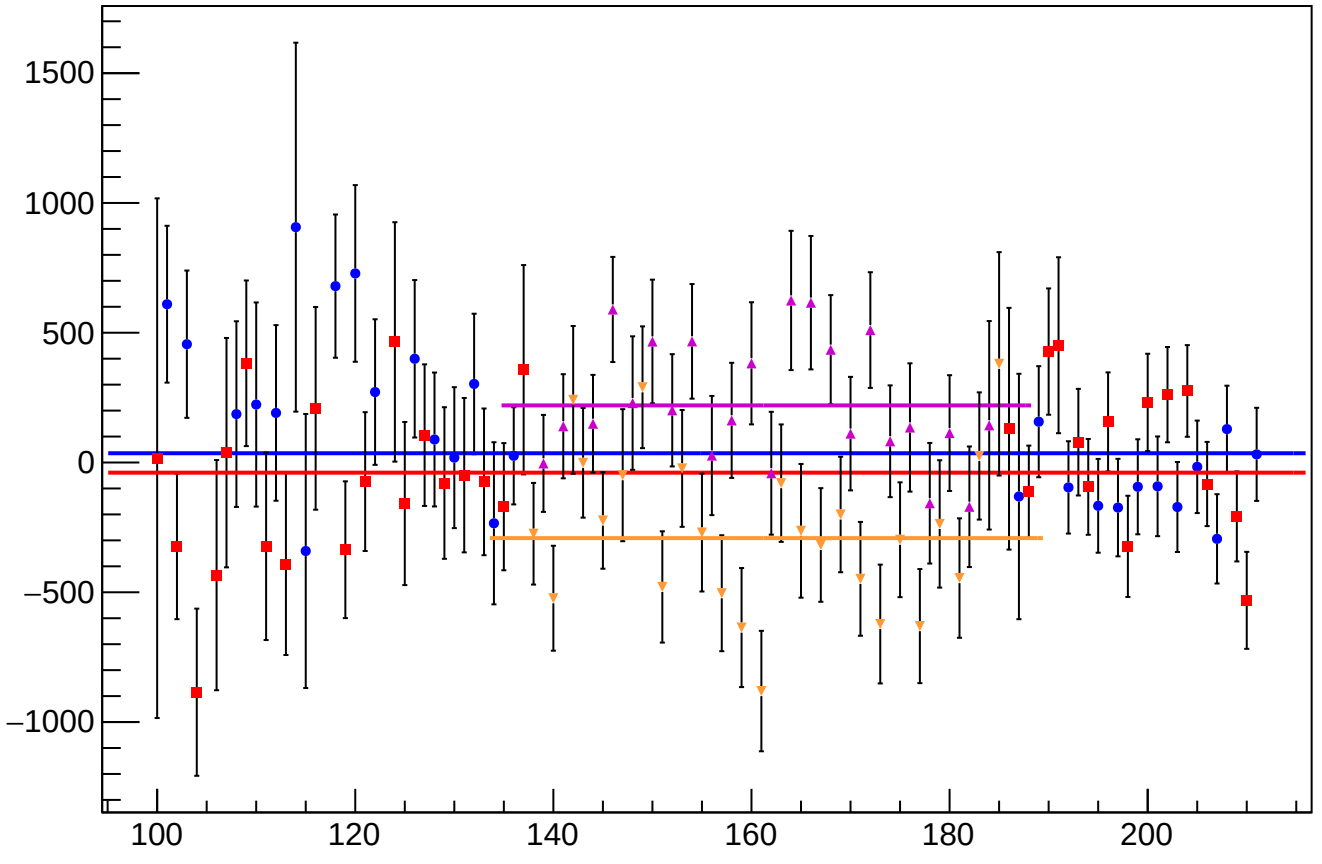
Right Out: 2835.721+/-0.492 χ^2/NDF: 2941572.6/32

Left In: 1527.964+/-0.254 χ^2/NDF:373844.4/22

\+ sign 1746.553+/-0.218 χ^2/NDF: 7383062.0/52

All: 1773.699+/-0.157 χ^2/NDF: 16300799.5/1

\- sign 1802.841+/-0.226 χ^2/NDF: 8885554.9/55



Right In: 35.682+/-43.953 χ^2/NDF: 31.9/27

Left Out: -291.316+/-45.614 χ^2/NDF:36.4/24

Right Out: -39.092+/-43.045 χ^2/NDF: 42.3/32

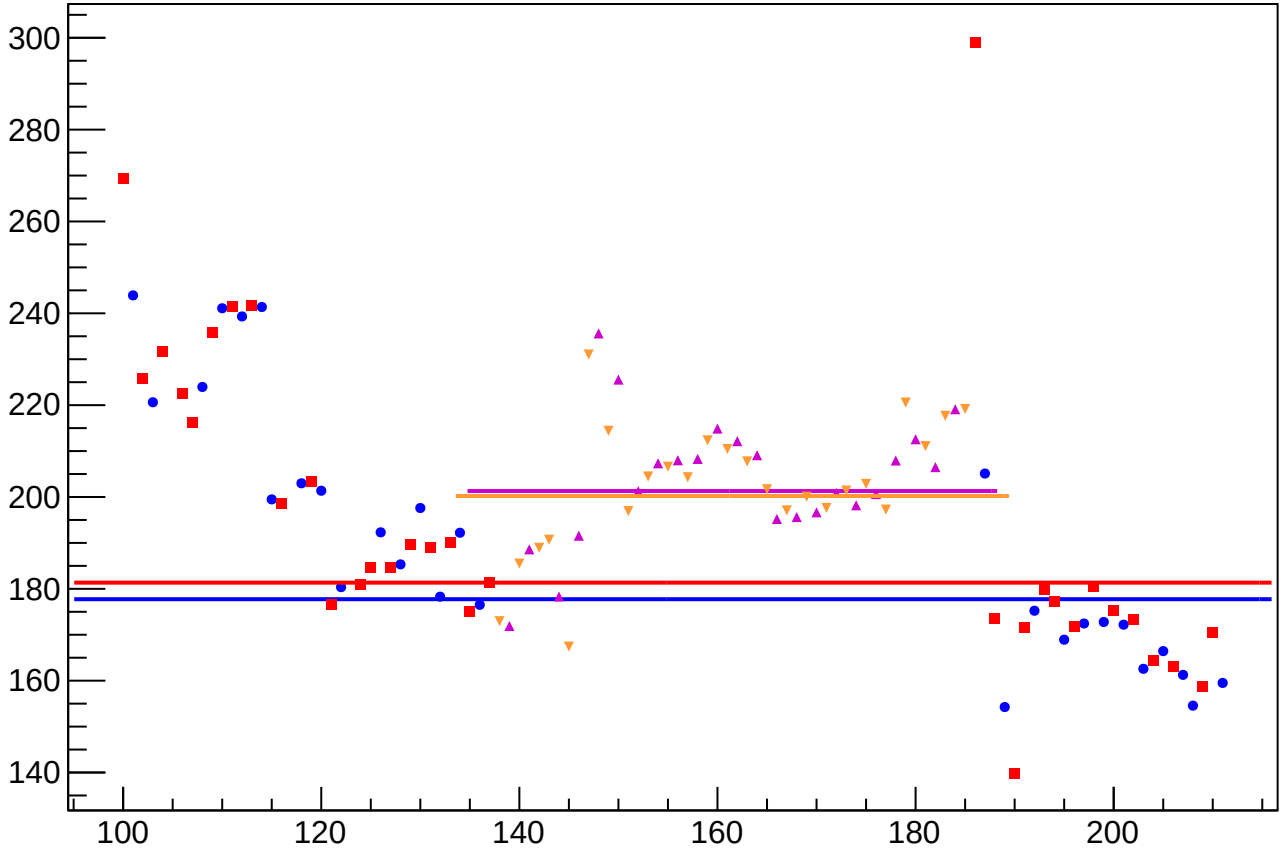
Left In: 219.983+/-47.146 χ^2/NDF:23.7/22

+ sign -121.757+/-31.650 χ^2/NDF: 94.9/52

All: -21.970+/-22.429 χ^2/NDF: 197.3/108

- sign 78.692+/-31.789 χ^2/NDF: 82.5/55

cor_asym_sam_26_dd_rms vs Slug



Right In: 177.743+/-0.031 χ^2/NDF: 502005.3/27

Left Out: 200.210+/-0.032 χ^2/NDF:204394.0/24

Right Out: 181.351+/-0.030 χ^2/NDF: 630678.7/32

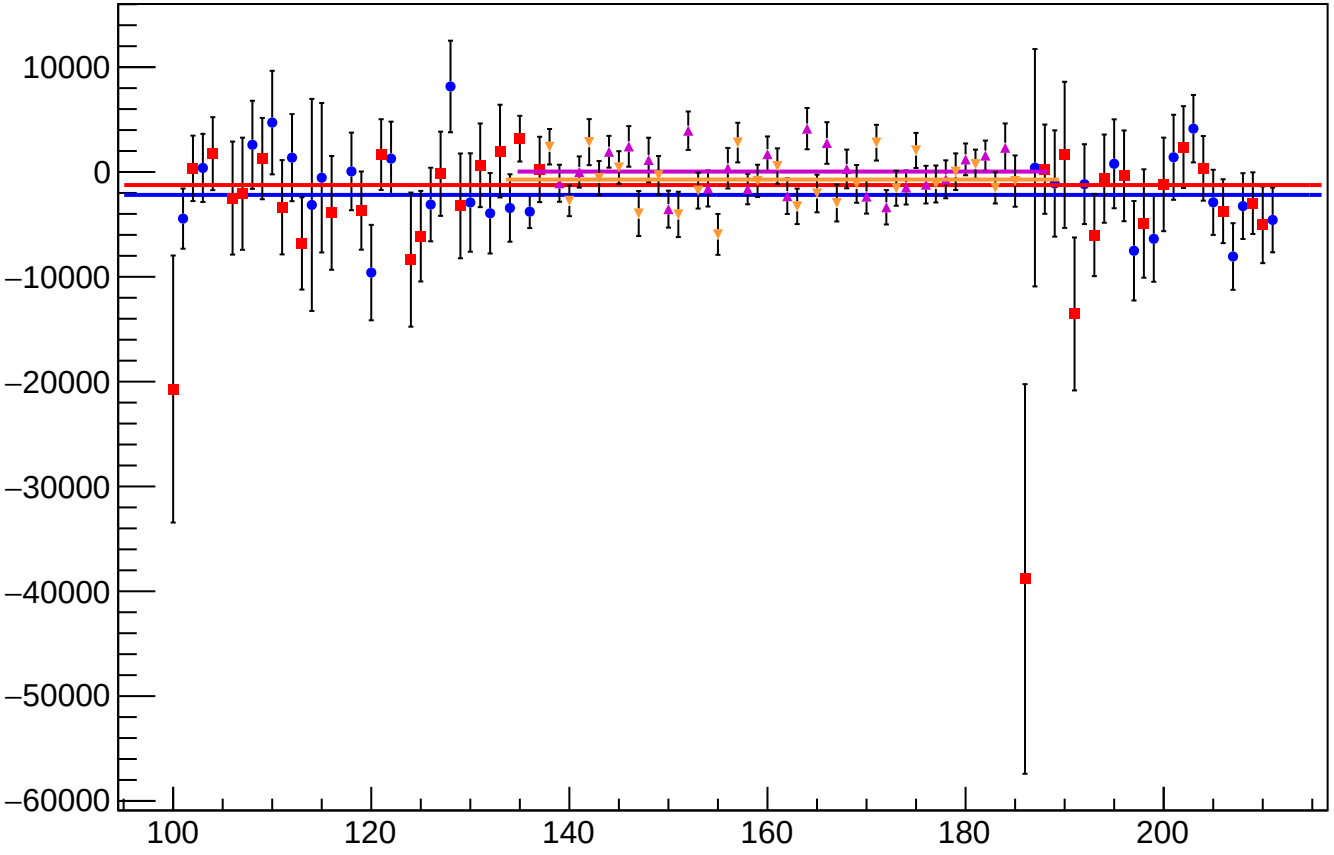
Left In: 201.297+/-0.033 χ^2/NDF:181646.8/22

+ sign 188.560+/-0.022 χ^2/NDF: 957997.4/52

All: 189.486+/-0.016 χ^2/NDF: 1968988.7/108

- sign 190.420+/-0.022 χ^2/NDF: 1007554.6/55

asym_sam_26_dd_cor_correction_mean vs Slug



Right In: -2186.152+/-674.778 χ^2/NDF: 28.2/27

Left Out: -720.705+/-346.376 χ^2/NDF:38.3/24

Right Out: -1247.578+/-697.141 χ^2/NDF: 27.4/32

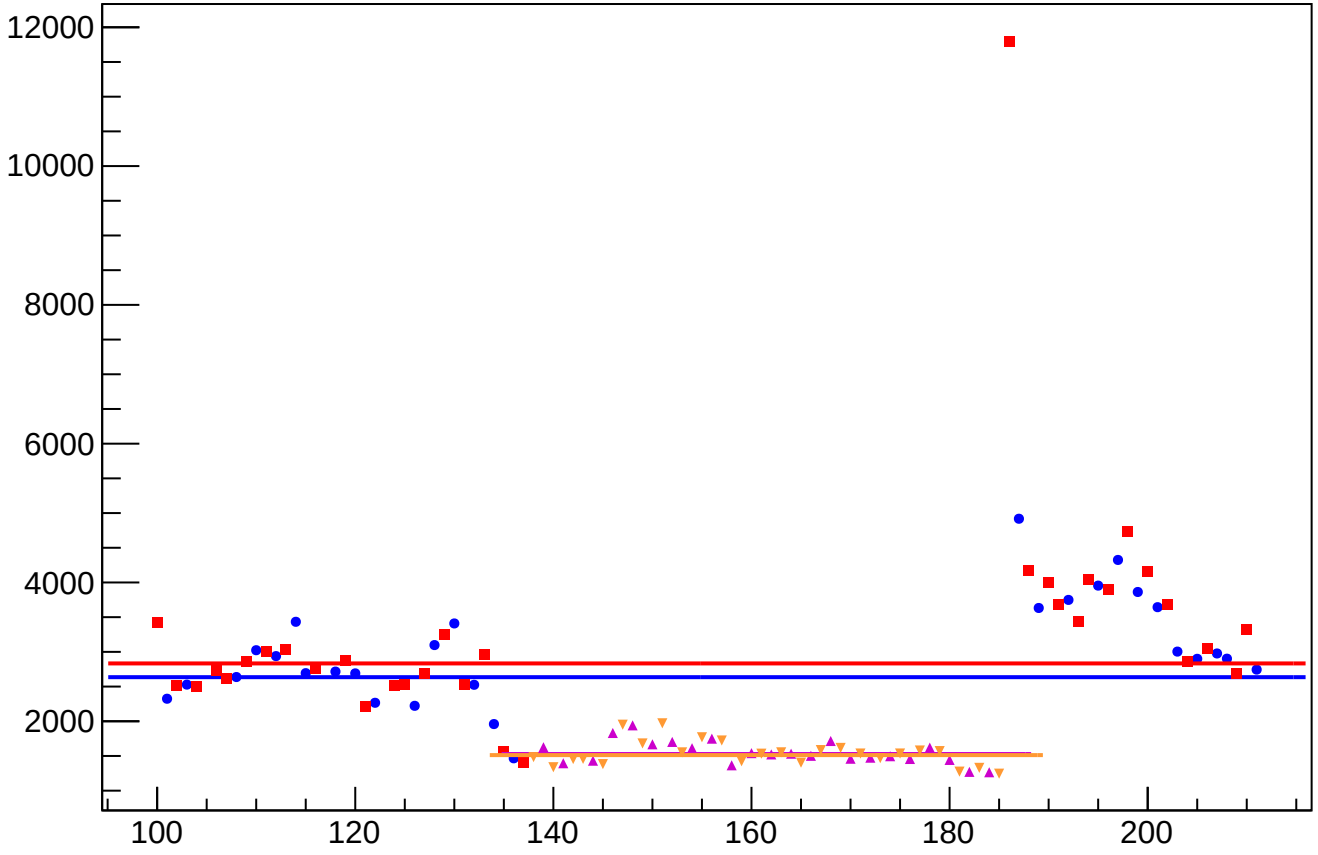
Left In: 39.275+/-359.265 χ^2/NDF:34.4/22

+ sign -1026.317+/-308.149 χ^2/NDF: 70.2/52

All: -642.741+/-221.749 χ^2/NDF: 137.9/108

- sign -230.766+/-319.353 χ^2/NDF: 64.5/55

asym_sam_26_dd_cor_correction_rms vs Slug



Right In: 2635.330+/-0.477 χ^2/NDF: 2556547.3/27

Left Out: 1512.365+/-0.245 χ^2/NDF:442559.1/24

Right Out: 2833.438+/-0.493 χ^2/NDF: 2942094.7/32

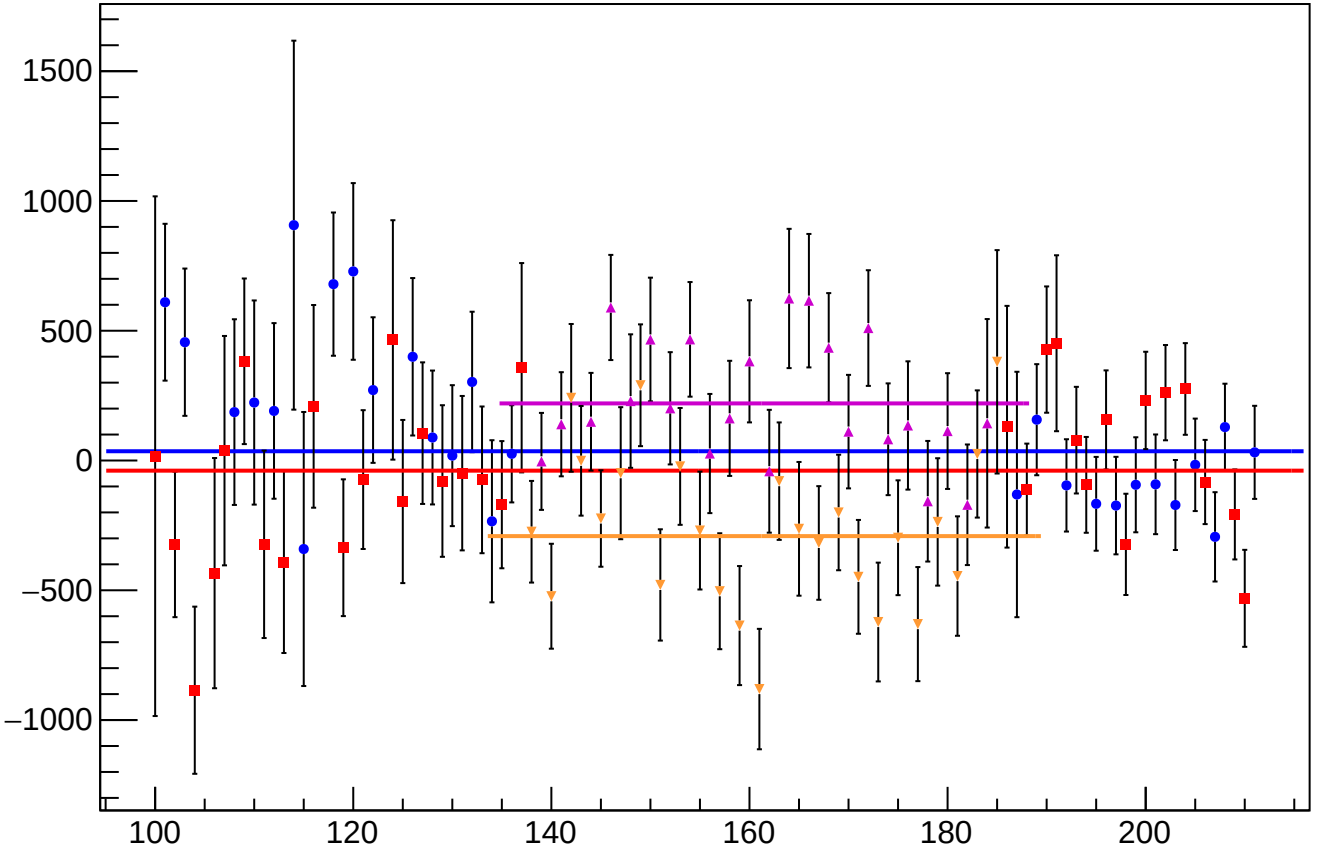
Left In: 1527.964+/-0.254 χ^2/NDF:373845.3/22

+ sign 1746.554+/-0.218 χ^2/NDF: 7383074.0/52

All: 1773.245+/-0.157 χ^2/NDF: 16271760.7/1

- sign 1801.913+/-0.226 χ^2/NDF: 8857564.4/55

eigen_cor_asym_sam_26_dd_mean vs Slug



Right In: 35.682+/-43.953 χ^2/NDF: 31.9/27

Left Out: -291.316+/-45.614 χ^2/NDF:36.4/24

Right Out: -39.092+/-43.045 χ^2/NDF: 42.3/32

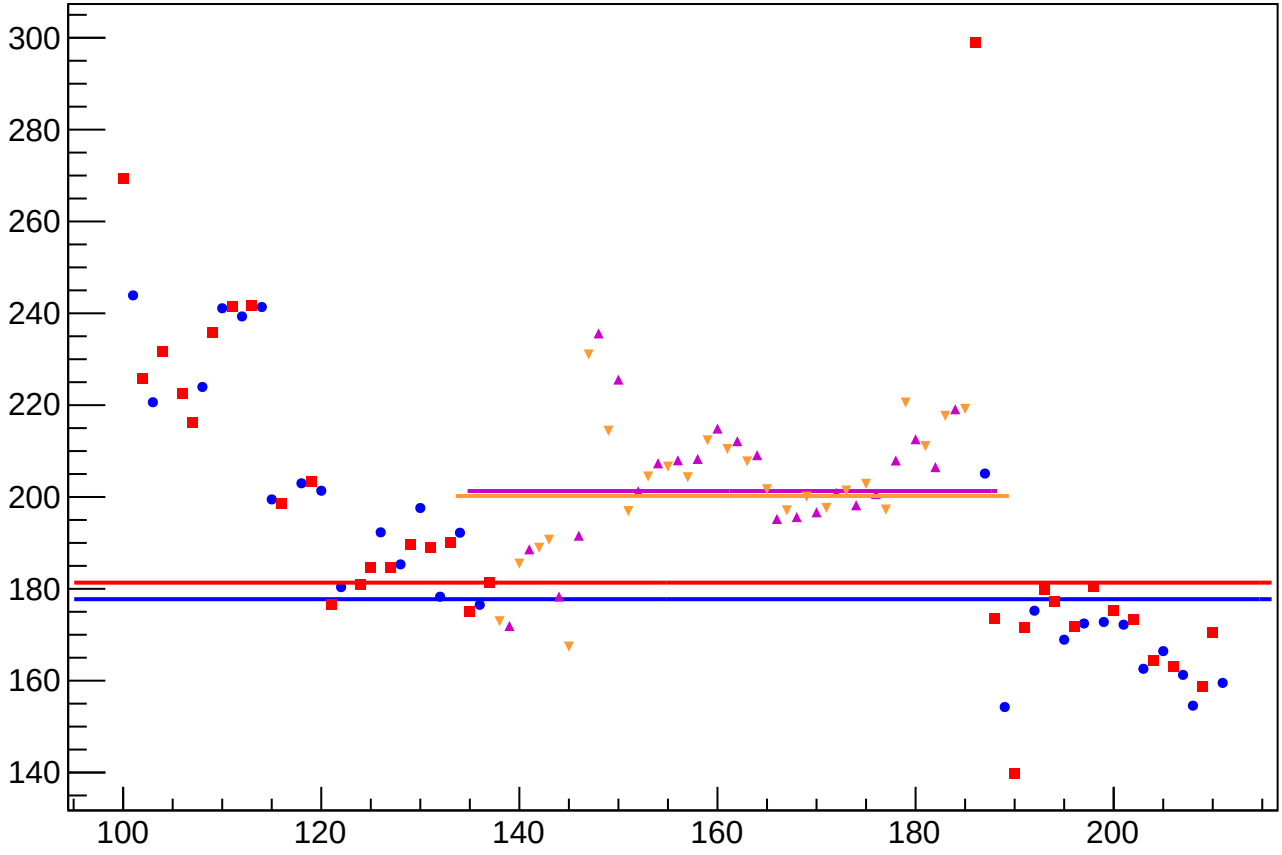
Left In: 219.983+/-47.146 χ^2/NDF:23.7/22

+ sign -121.757+/-31.650 χ^2/NDF: 94.9/52

All: -21.970+/-22.429 χ^2/NDF: 197.3/108

- sign 78.692+/-31.789 χ^2/NDF: 82.5/55

eigen_cor_asym_sam_26_dd_rms vs Slug



Right In: 177.743+/-0.031 χ^2/NDF: 502005.3/27

Left Out: 200.210+/-0.032 χ^2/NDF:204394.0/24

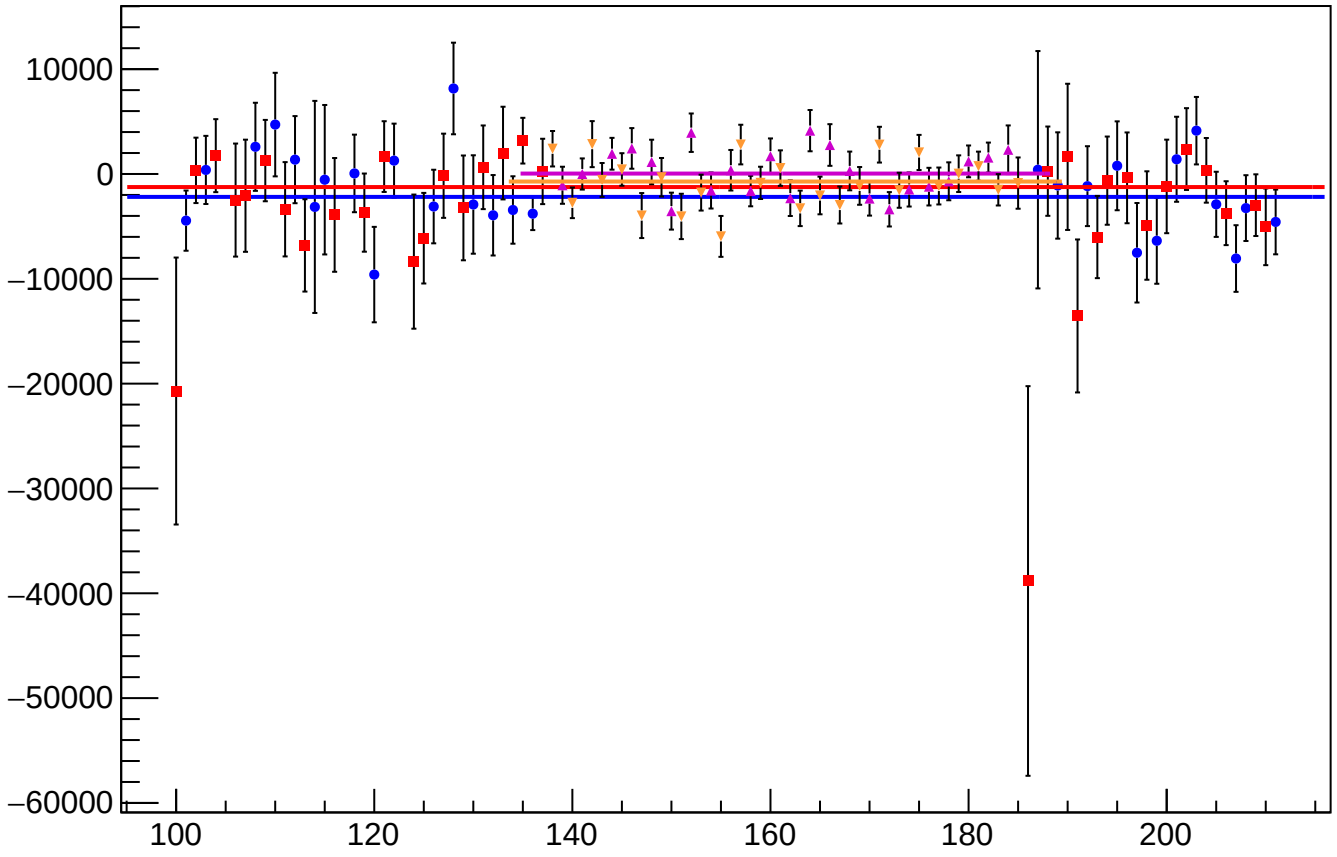
Right Out: 181.351+/-0.030 χ^2/NDF: 630678.7/32

Left In: 201.297+/-0.033 χ^2/NDF:181646.8/22

+ sign 188.560+/-0.022 χ^2/NDF: 957997.4/52

All: 189.486+/-0.016 χ^2/NDF: 1968988.7/108

- sign 190.420+/-0.022 χ^2/NDF: 1007554.6/55



Right In: -2186.152+/-674.778 χ^2/NDF: 28.2/27

Left Out: -720.705+/-346.376 χ^2/NDF:38.3/24

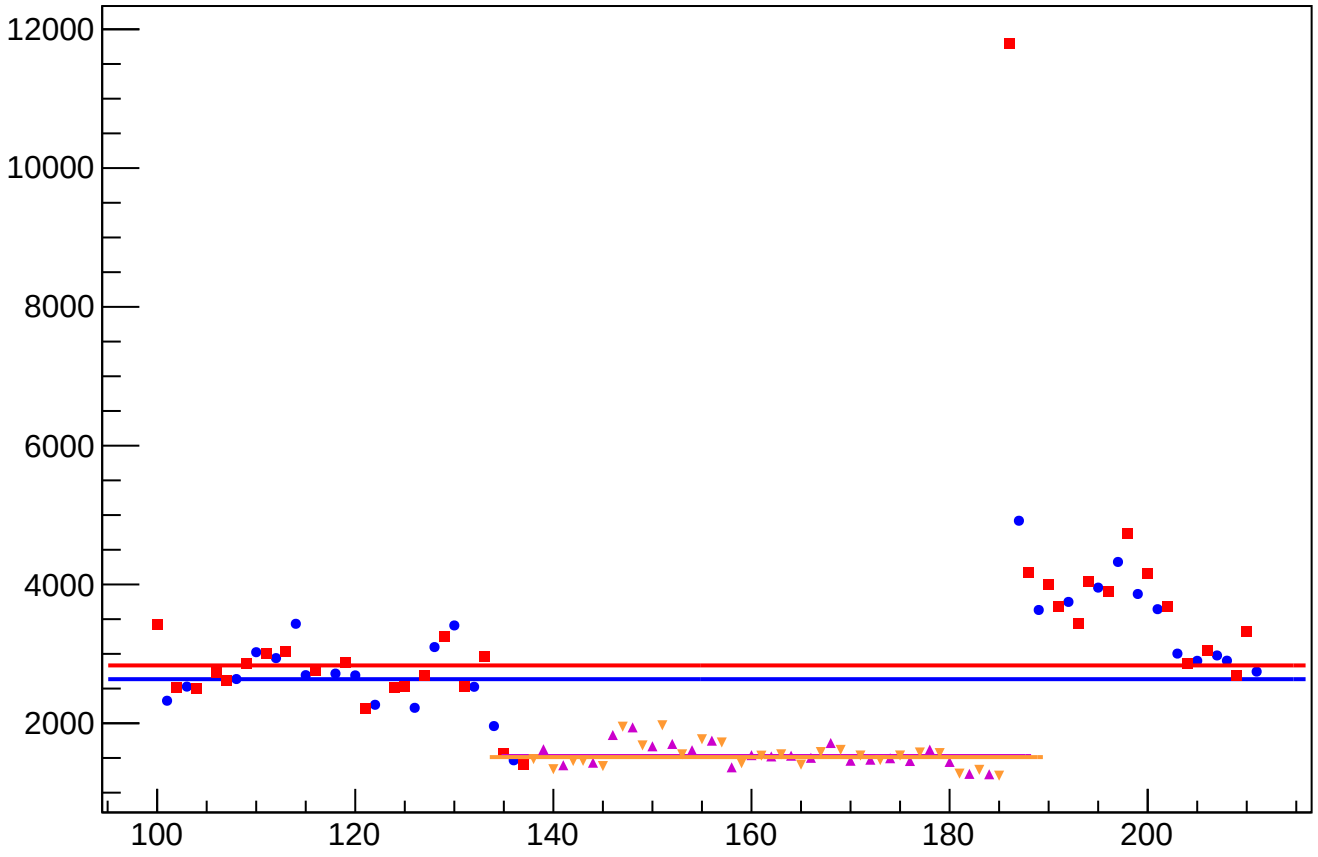
Right Out: -1247.578+/-697.141 χ^2/NDF: 27.4/32

Left In: 39.275+/-359.265 χ^2/NDF:34.4/22

+ sign -1026.317+/-308.149 χ^2/NDF: 70.2/52

All: -642.741+/-221.749 χ^2/NDF: 137.9/108

- sign -230.766+/-319.353 χ^2/NDF: 64.5/55



Right In: 2635.330+/-0.477 χ^2/NDF: 2556547.3/27

Left Out: 1512.365+/-0.245 χ^2/NDF:442559.1/24

Right Out: 2833.438+/-0.493 χ^2/NDF: 2942094.7/32

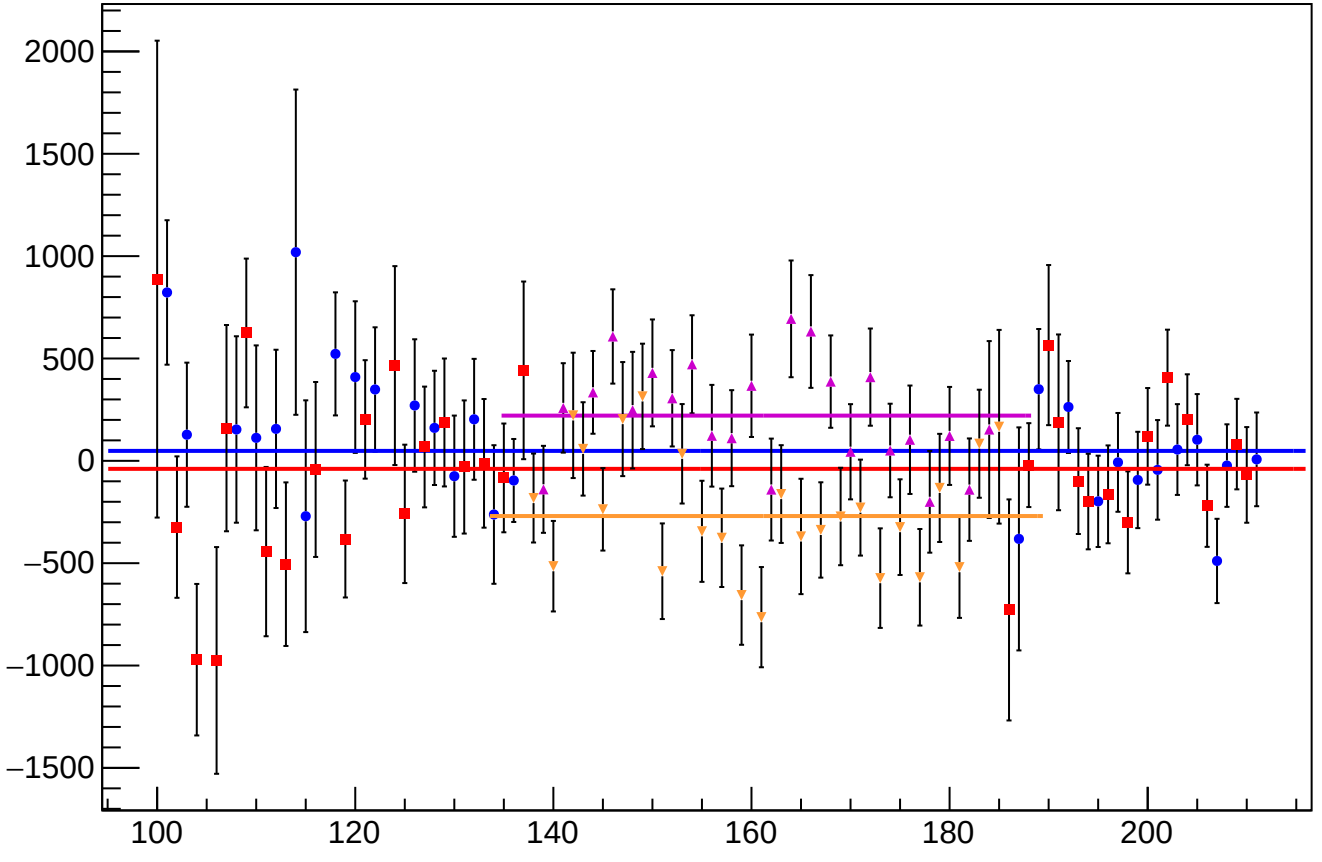
Left In: 1527.964+/-0.254 χ^2/NDF:373845.3/22

+ sign 1746.554+/-0.218 χ^2/NDF: 7383074.0/52

All: 1773.245+/-0.157 χ^2/NDF: 16271760.7/1

- sign 1801.913+/-0.226 χ^2/NDF: 8857564.4/55

dit_asym_sam_26_dd_mean vs Slug



Right In: 48.568+/-52.747 χ^2/NDF: 25.1/27

Left Out: -269.678+/-49.158 χ^2/NDF:31.5/24

Right Out: -39.165+/-51.783 χ^2/NDF: 34.4/32

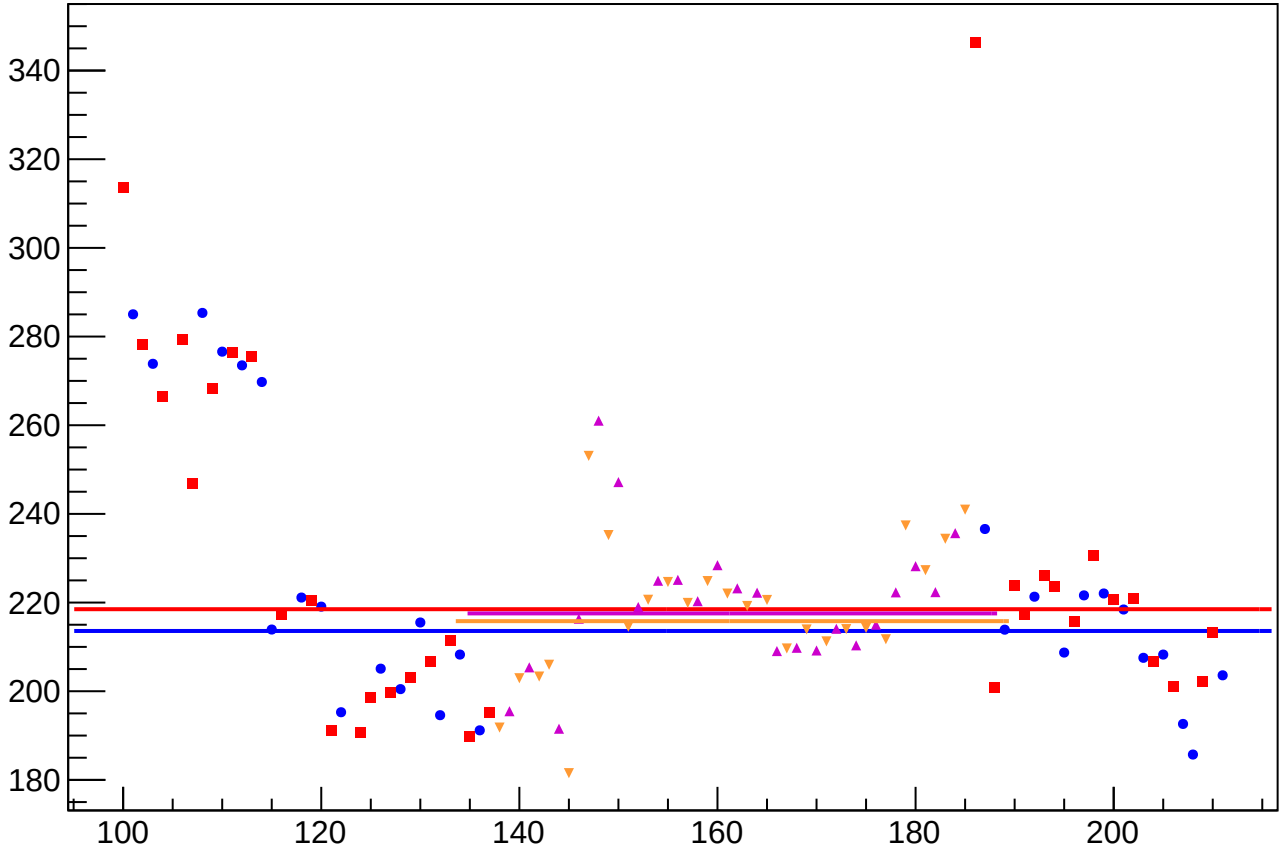
Left In: 220.926+/-50.956 χ^2/NDF:23.4/22

+ sign -121.751+/-35.962 χ^2/NDF: 76.0/52

All: -15.452+/-25.555 χ^2/NDF: 164.3/108

- sign 92.975+/-36.320 χ^2/NDF: 70.6/55

dit_asym_sam_26_dd_rms vs Slug



Right In: 213.592+/-0.037 χ^2/NDF: 413067.2/27

Left Out: 215.807+/-0.035 χ^2/NDF:188699.2/24

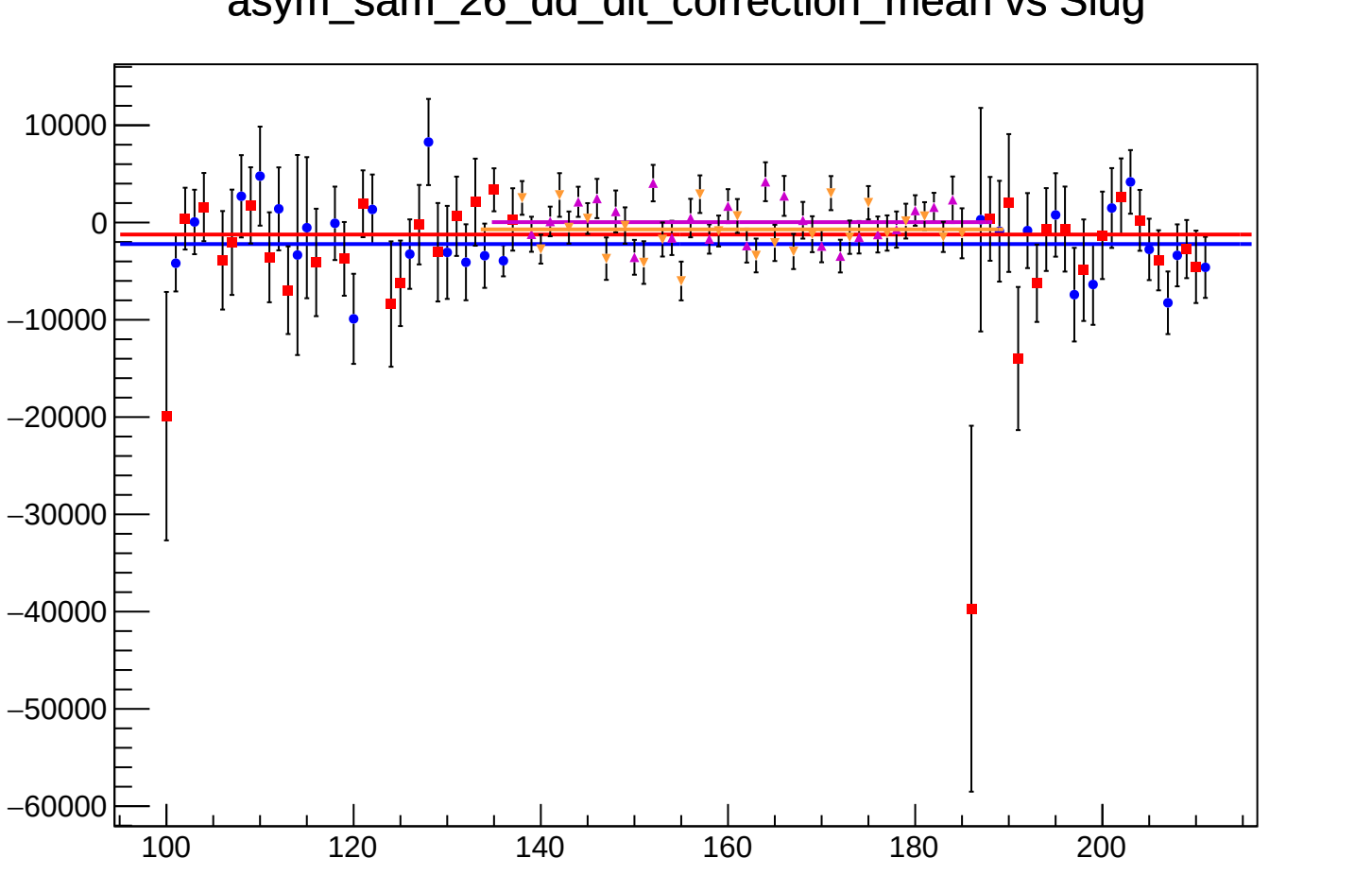
Right Out: 218.503+/-0.037 χ^2/NDF: 500172.1/32

Left In: 217.555+/-0.036 χ^2/NDF:161066.4/22

+ sign 214.777+/-0.025 χ^2/NDF: 603653.1/52

All: 216.383+/-0.018 χ^2/NDF: 1273289.7/108

- sign 218.021+/-0.026 χ^2/NDF: 661579.4/55



Right In: -2213.189+/-686.991 χ^2/NDF: 28.0/27

Left Out: -704.012+/-355.462 χ^2/NDF:37.6/24

Right Out: -1231.160+/-706.667 χ^2/NDF: 28.0/32

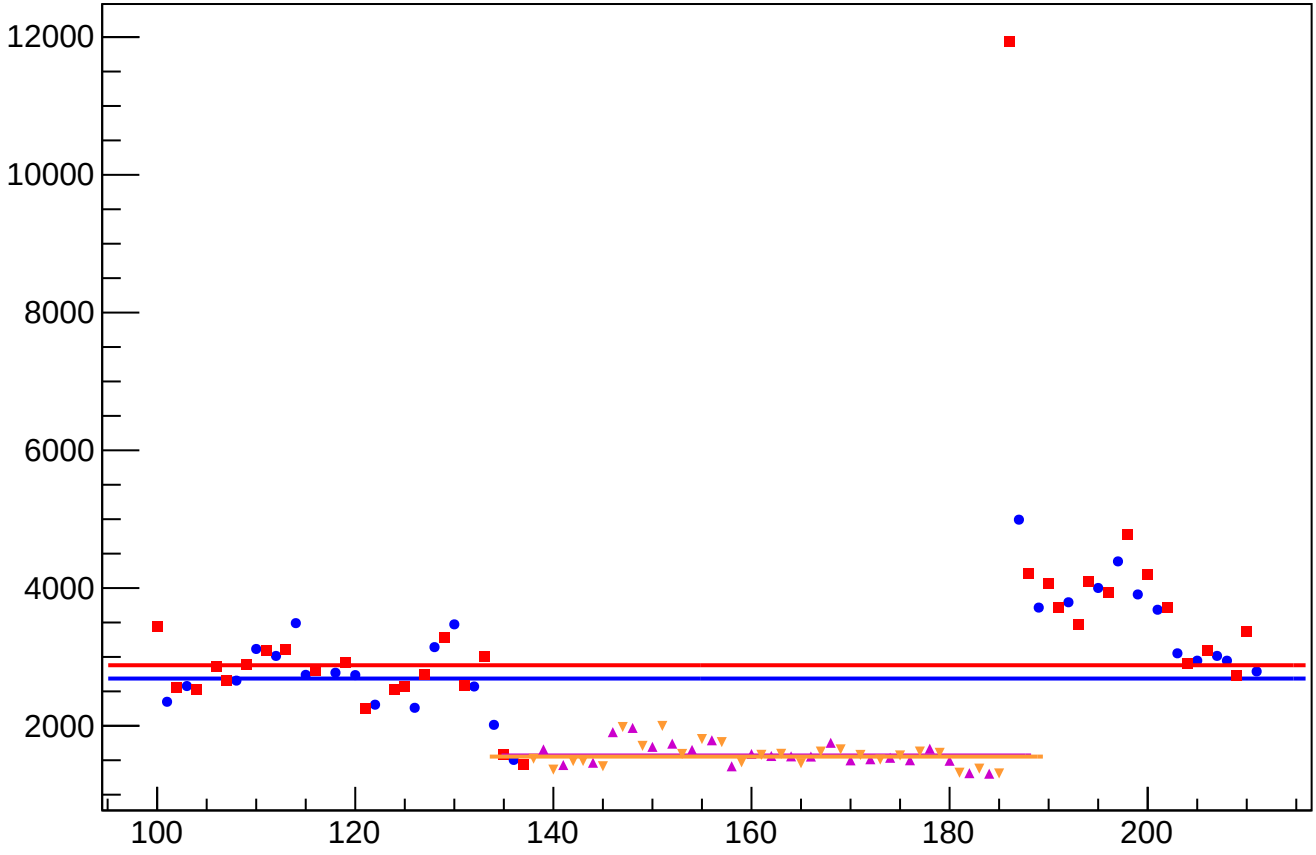
Left In: 39.658+/-368.873 χ^2/NDF:34.3/22

\+ sign -1022.726+/-315.705 χ^2/NDF: 69.4/52

All: -641.483+/-227.126 χ^2/NDF: 137.4/108

\- sign -232.462+/-327.004 χ^2/NDF: 64.9/55

asym_sam_26_dd_dit_correction_rms vs Slug



Right In: 2686.230+/-0.486 χ^2/NDF: 2494047.5/27

Left Out: 1553.019+/-0.251 χ^2/NDF:409933.8/24

Right Out: 2879.400+/-0.500 χ^2/NDF: 2901119.0/32

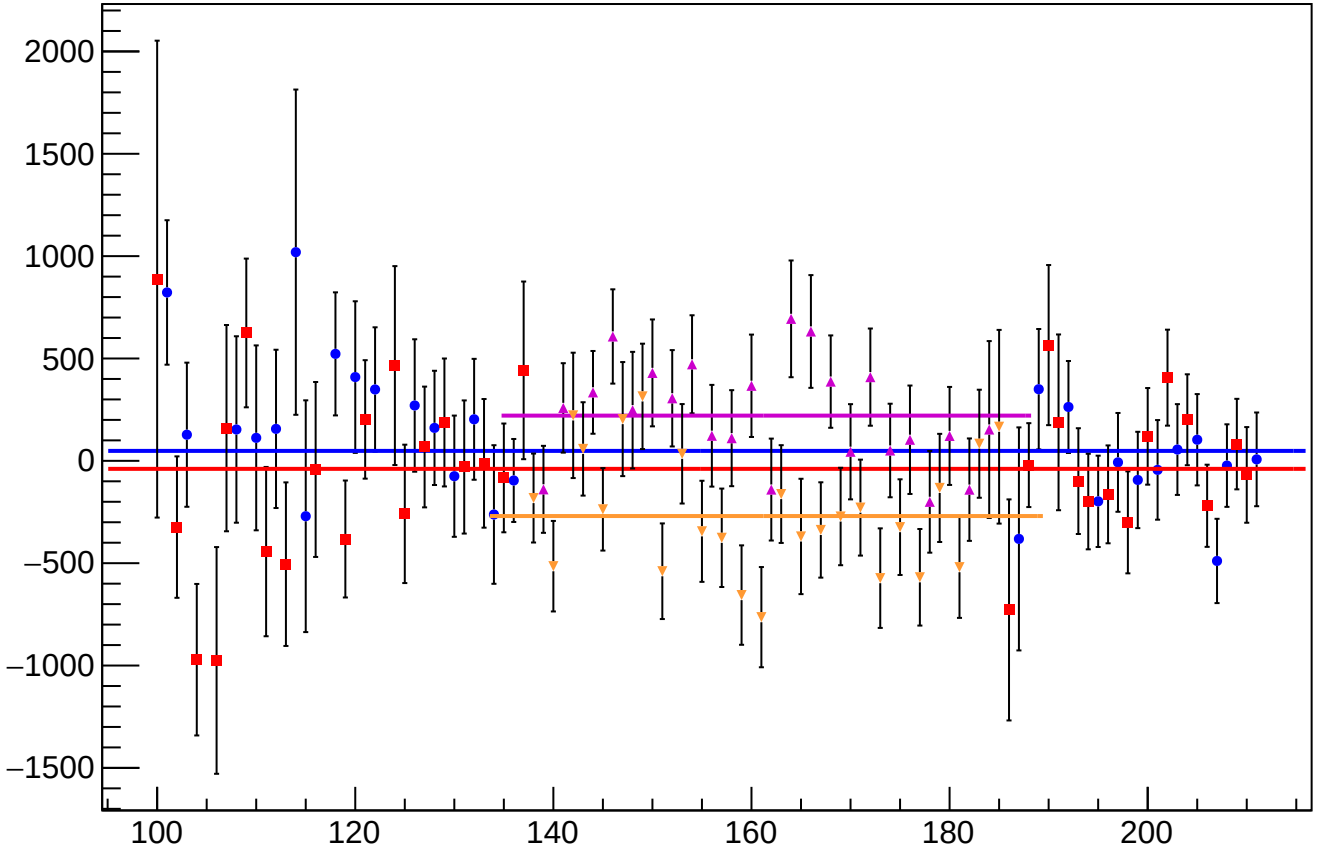
Left In: 1569.383+/-0.261 χ^2/NDF:357481.9/22

+ sign 1792.335+/-0.223 χ^2/NDF: 7196634.8/52

All: 1820.104+/-0.161 χ^2/NDF: 15888704.7/1

- sign 1849.897+/-0.231 χ^2/NDF: 8659994.9/55

eigen_dit_asym_sam_26_dd_mean vs Slug



Right In: 48.571+/-52.747 χ^2/NDF: 25.1/27

Left Out: -269.680+/-49.158 χ^2/NDF:31.5/24

Right Out: -39.165+/-51.783 χ^2/NDF: 34.4/32

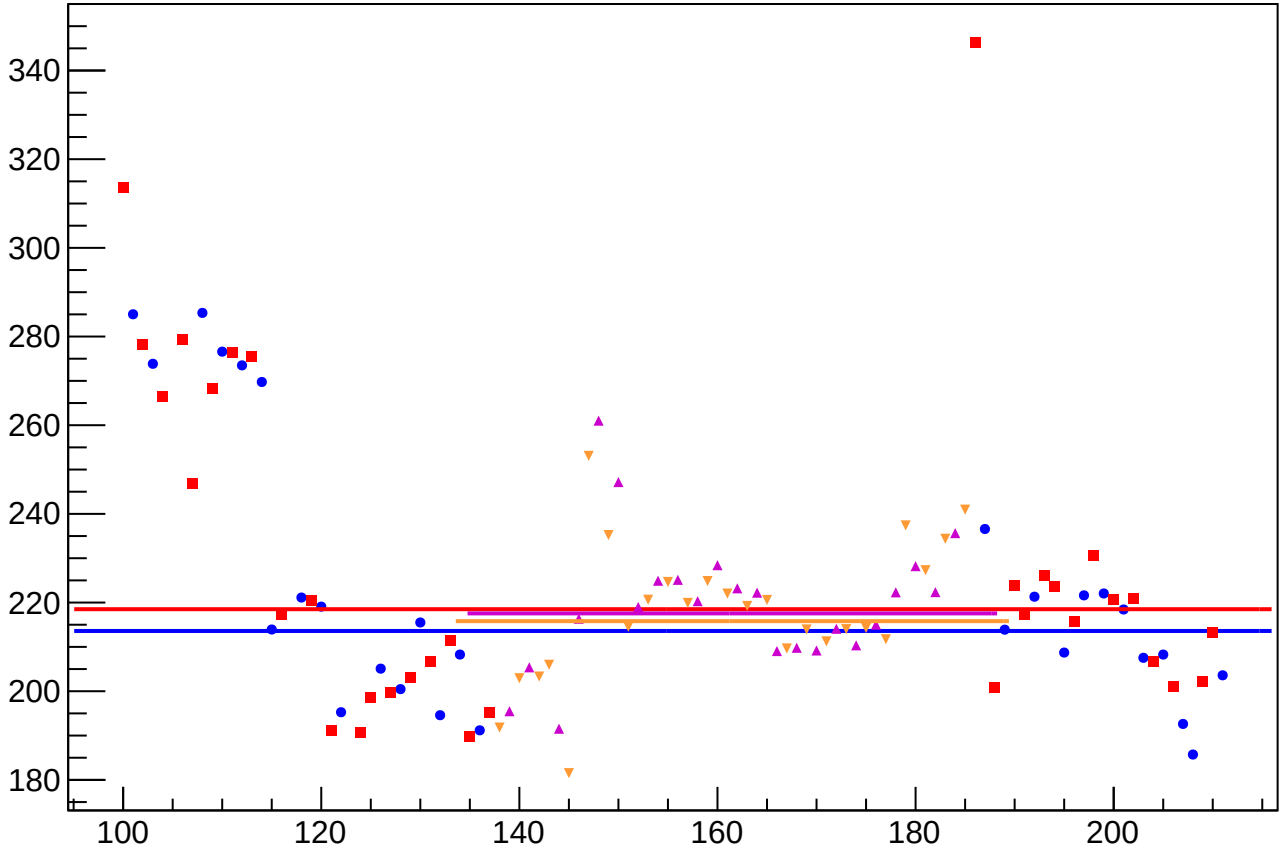
Left In: 220.927+/-50.956 χ^2/NDF:23.4/22

+ sign -121.750+/-35.962 χ^2/NDF: 76.0/52

All: -15.452+/-25.554 χ^2/NDF: 164.3/108

- sign 92.976+/-36.320 χ^2/NDF: 70.6/55

eigen_dit_asym_sam_26_dd_rms vs Slug



Right In: 213.592+/-0.037 χ^2/NDF: 413056.9/27

Left Out: 215.806+/-0.035 χ^2/NDF:188703.4/24

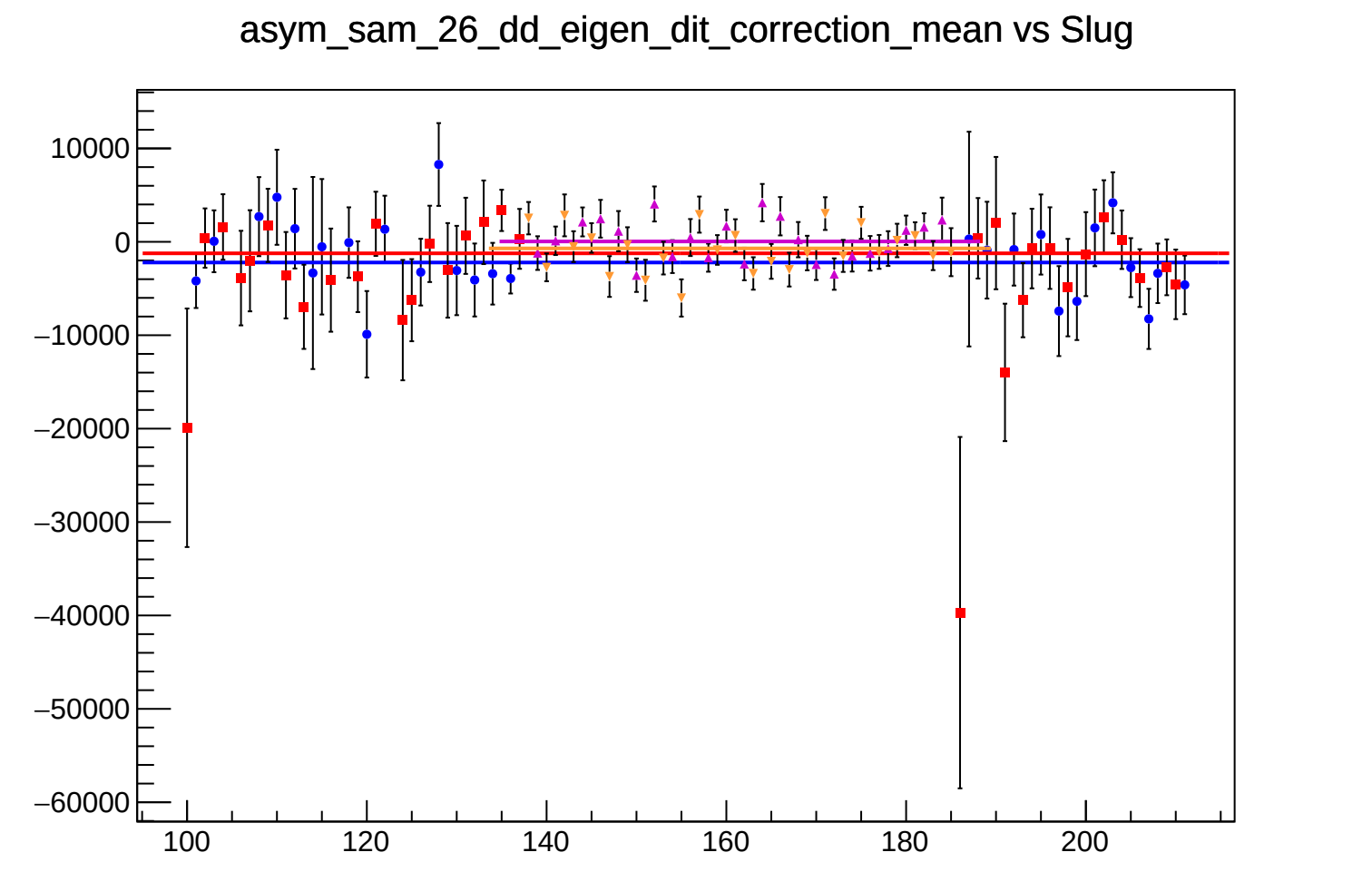
Right Out: 218.503+/-0.037 χ^2/NDF: 500154.3/32

Left In: 217.555+/-0.036 χ^2/NDF:161069.0/22

+ sign 214.777+/-0.025 χ^2/NDF: 603647.7/52

All: 216.383+/-0.018 χ^2/NDF: 1273269.0/108

- sign 218.021+/-0.026 χ^2/NDF: 661564.0/55



Right In: -2213.186+/-686.990 χ^2/NDF: 28.0/27

Left Out: -704.012+/-355.462 χ^2/NDF:37.6/24

Right Out: -1231.160+/-706.666 χ^2/NDF: 28.0/32

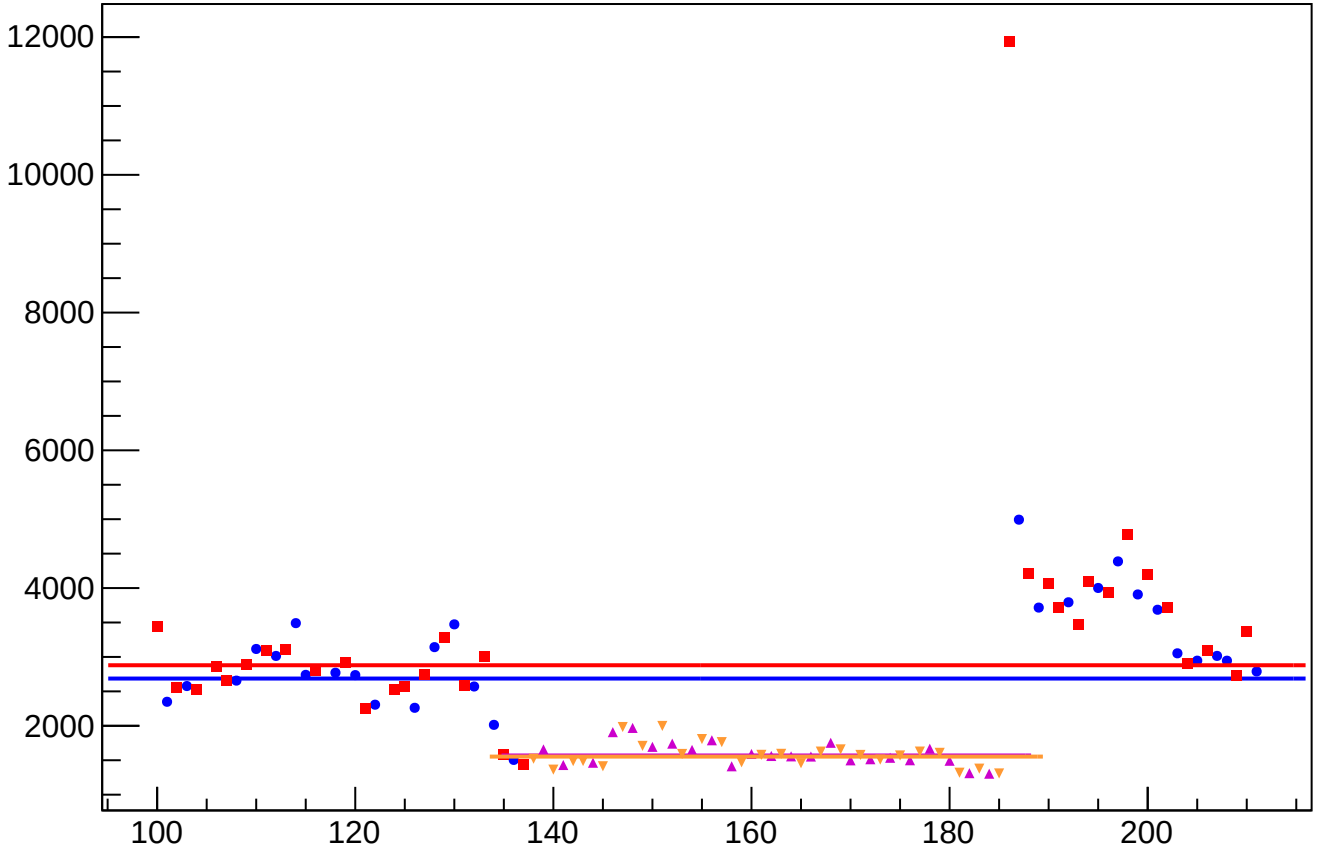
Left In: 39.657+/-368.873 χ^2/NDF:34.3/22

\+ sign -1022.725+/-315.705 χ^2/NDF: 69.4/52

All: -641.483+/-227.126 χ^2/NDF: 137.4/108

\- sign -232.463+/-327.004 χ^2/NDF: 64.9/55

asym_sam_26_dd_eigen_dit_correction_rms vs Slug



Right In: 2686.228+/-0.486 χ^2/NDF: 2494044.8/27

Left Out: 1553.020+/-0.251 χ^2/NDF:409936.6/24

Right Out: 2879.398+/-0.500 χ^2/NDF: 2901122.1/32

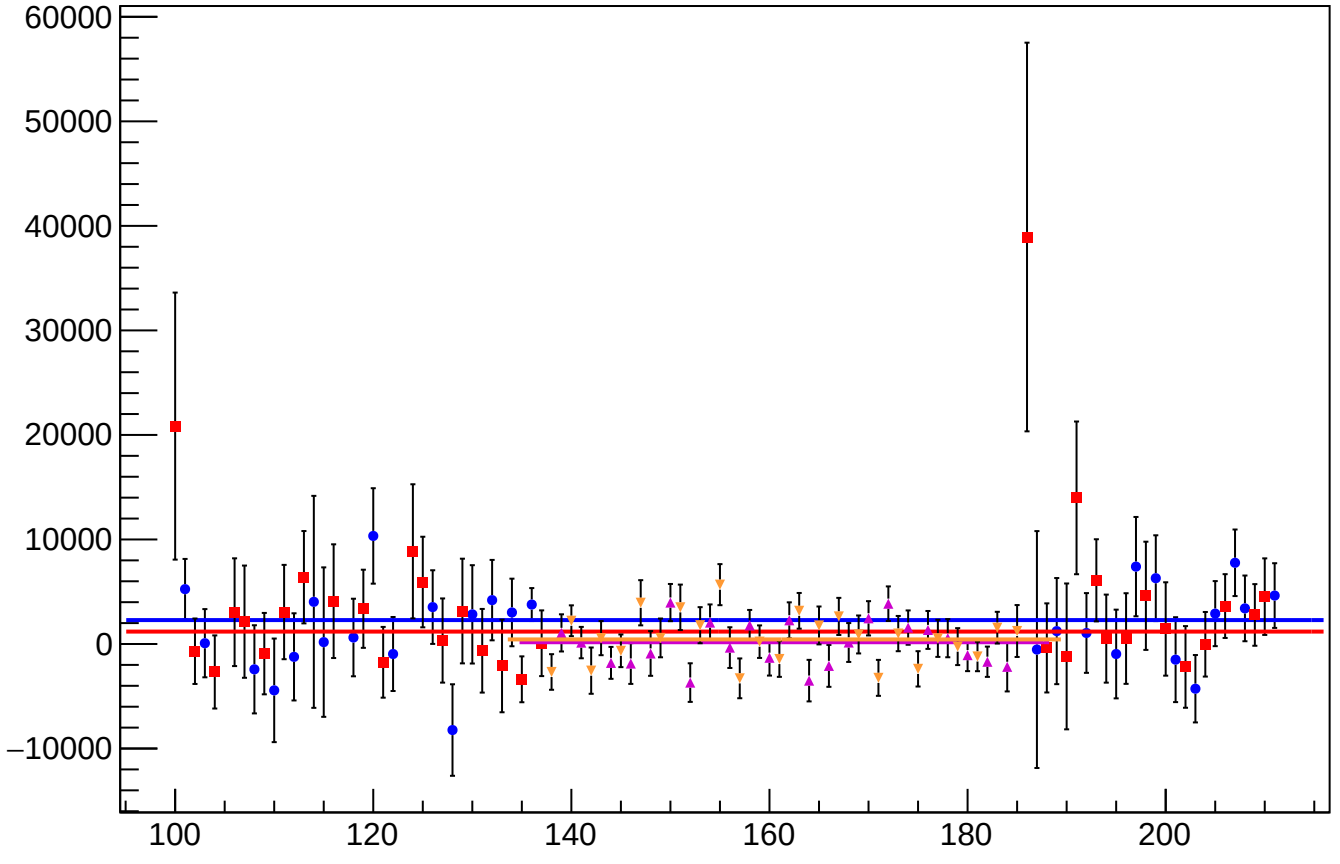
Left In: 1569.383+/-0.261 χ^2/NDF:357484.6/22

+ sign 1792.335+/-0.223 χ^2/NDF: 7196620.0/52

All: 1820.104+/-0.161 χ^2/NDF: 15888680.6/1

- sign 1849.896+/-0.231 χ^2/NDF: 8659986.1/55

asym_sam_26_dd_mean vs Slug



Right In: 2287.275+/-677.157 χ^2/NDF: 28.3/27

Left Out: 437.522+/-349.581 χ^2/NDF:38.9/24

Right Out: 1187.013+/-698.610 χ^2/NDF: 27.5/32

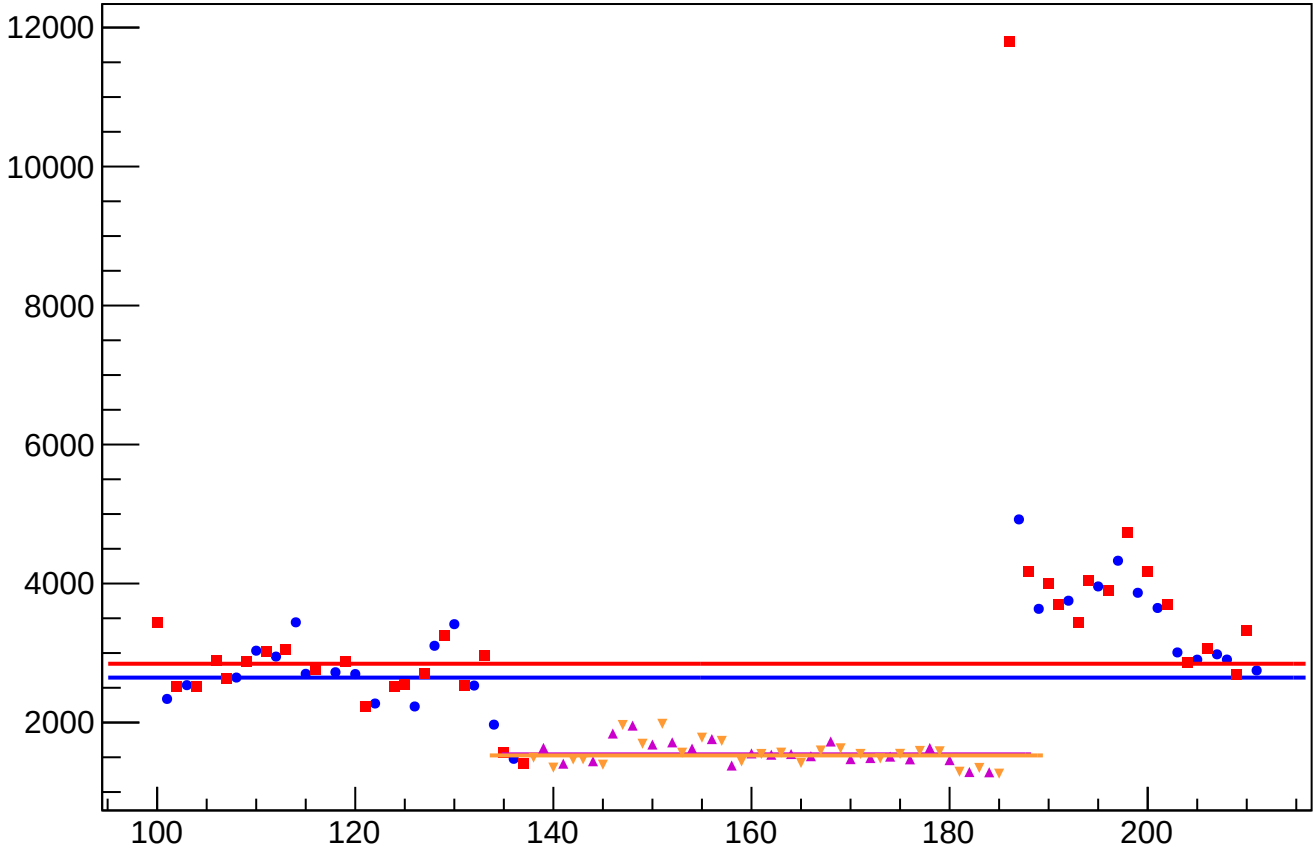
Left In: 169.827+/-362.550 χ^2/NDF:33.0/22

+ sign 826.766+/-310.630 χ^2/NDF: 73.1/52

All: 613.995+/-223.492 χ^2/NDF: 136.2/108

- sign 385.649+/-321.797 χ^2/NDF: 62.2/55

asym_sam_26_dd_rms vs Slug



Right In: 2646.373+/-0.479 χ^2/NDF: 2517986.7/27

Left Out: 1526.726+/-0.247 χ^2/NDF:429467.0/24

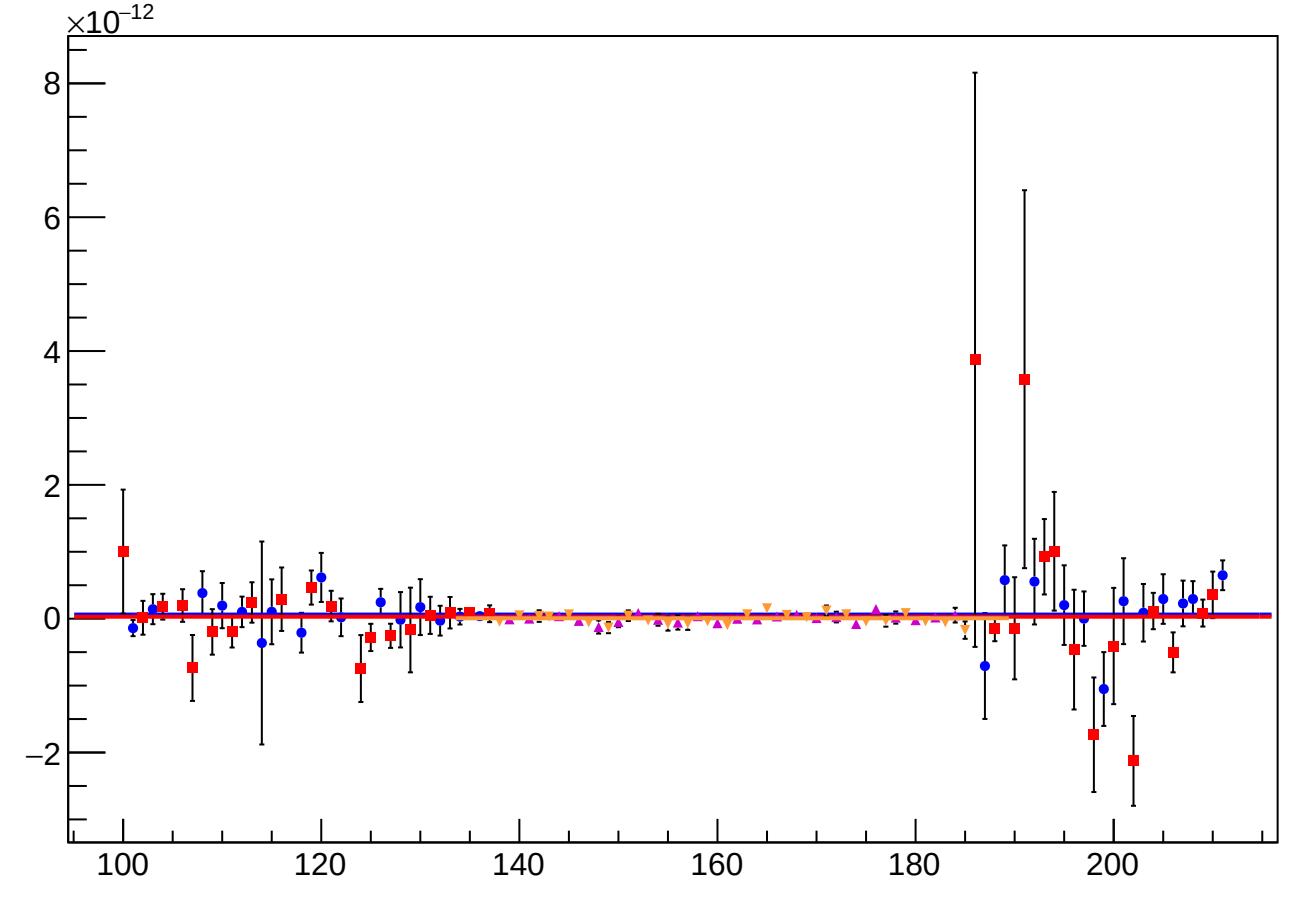
Right Out: 2845.864+/-0.494 χ^2/NDF: 2909103.0/32

Left In: 1542.262+/-0.256 χ^2/NDF:362291.1/22

+ sign 1762.333+/-0.220 χ^2/NDF: 7264674.1/52

All: 1789.596+/-0.158 χ^2/NDF: 16054306.2/1

- sign 1818.855+/-0.228 χ^2/NDF: 8757692.4/55



Right In: 0.000+/-0.000 χ^2/NDF: 23.9/27

Left Out: 0.000+/-0.000 χ^2/NDF:30.8/24

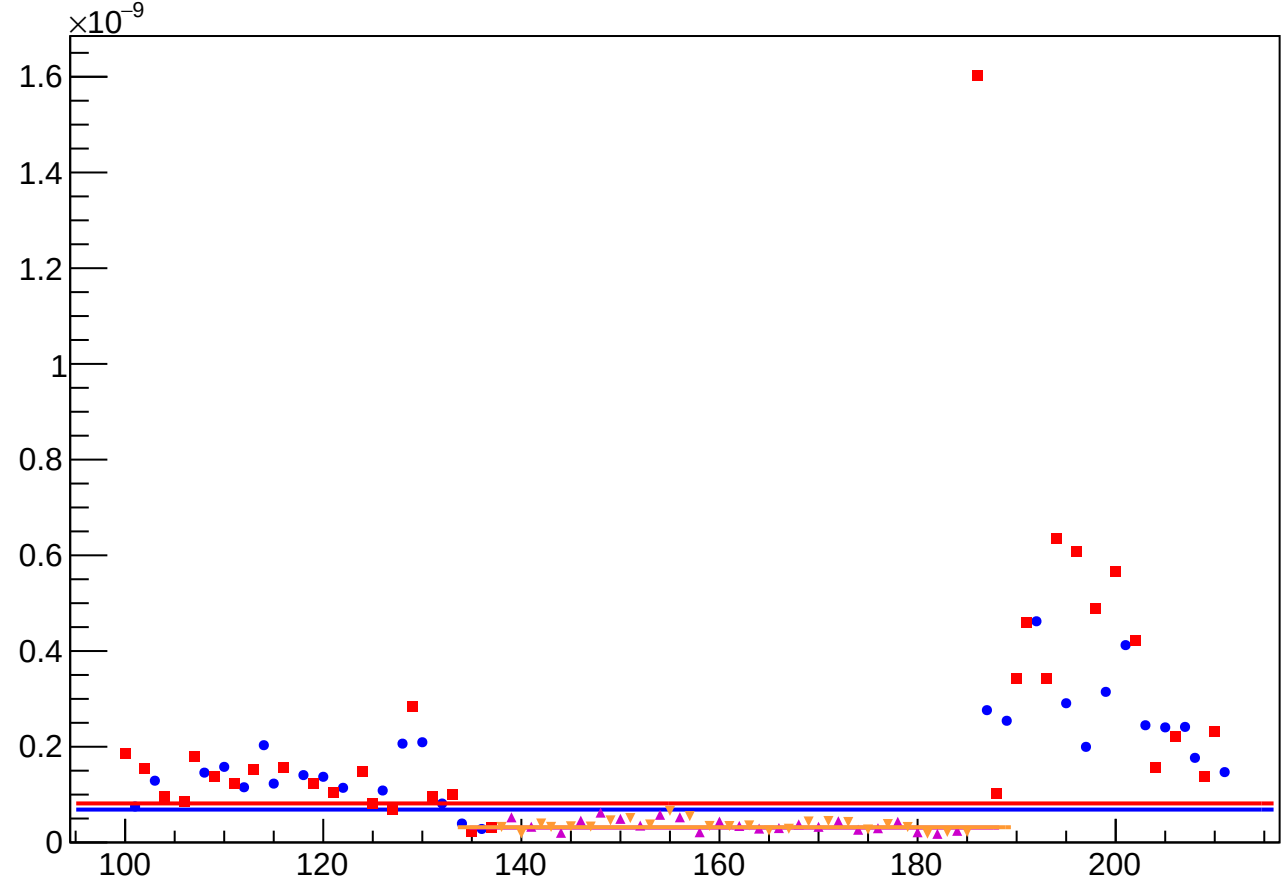
Right Out: 0.000+/-0.000 χ^2/NDF: 44.8/32

Left In: 0.000+/-0.000 χ^2/NDF:17.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 57.0/52

All: 0.000+/-0.000 χ^2/NDF: 119.0/108

- sign 0.000+/-0.000 χ^2/NDF: 62.1/55



Right In: 0.000+/-0.000 χ^2/NDF: 7405979.3/27

Left Out: 0.000+/-0.000 χ^2/NDF:1231140.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7987102.7/32

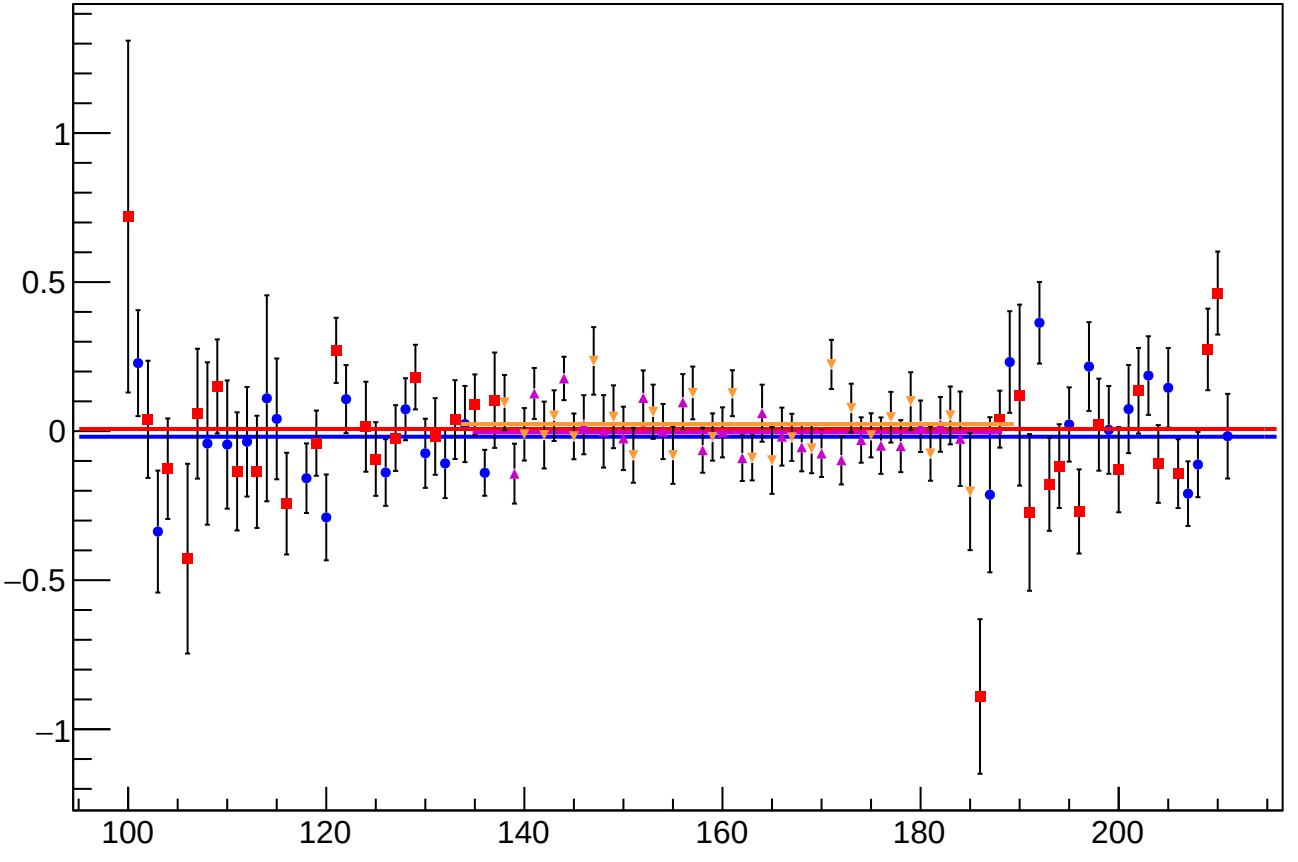
Left In: 0.000+/-0.000 χ^2/NDF:1593815.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 10656434.0/52

All: 0.000+/-0.000 χ^2/NDF: 23164531.6/108

- sign 0.000+/-0.000 χ^2/NDF: 12507619.5/55

asym_sam_26_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.019+/-0.026 χ^2/NDF: 37.4/27

Left Out: 0.024+/-0.018 χ^2/NDF:25.5/24

Right Out: 0.007+/-0.025 χ^2/NDF: 56.7/32

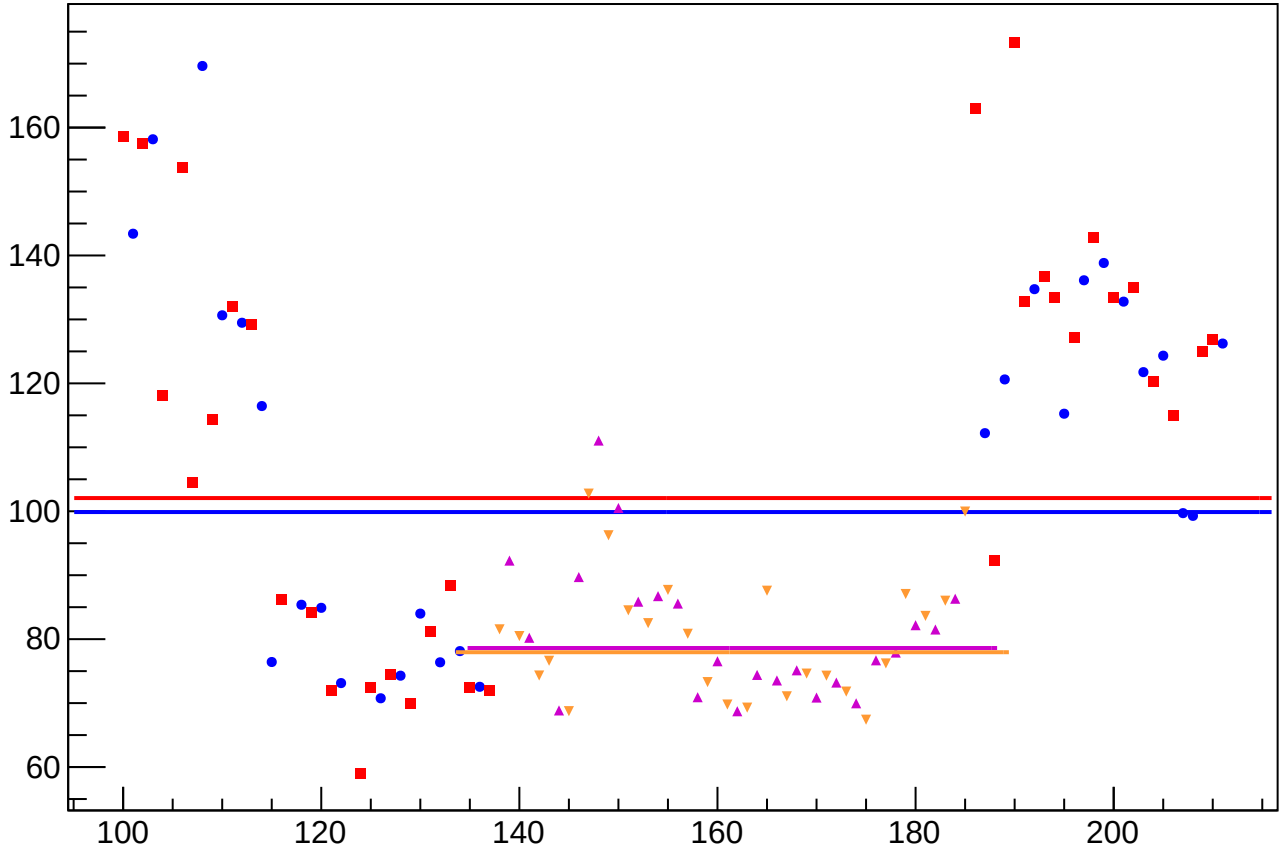
Left In: -0.004+/-0.019 χ^2/NDF:18.9/22

+ sign 0.010+/-0.015 χ^2/NDF: 64.9/52

All: 0.005+/-0.010 χ^2/NDF: 140.7/108

- sign 0.000+/-0.015 χ^2/NDF: 75.7/55

asym_sam_26_dd_dit_vs_cor_diff_rms vs Slug



Right In: 99.877+/-0.018 χ^2/NDF: 2127773.5/27

Left Out: 77.957+/-0.013 χ^2/NDF:439703.9/24

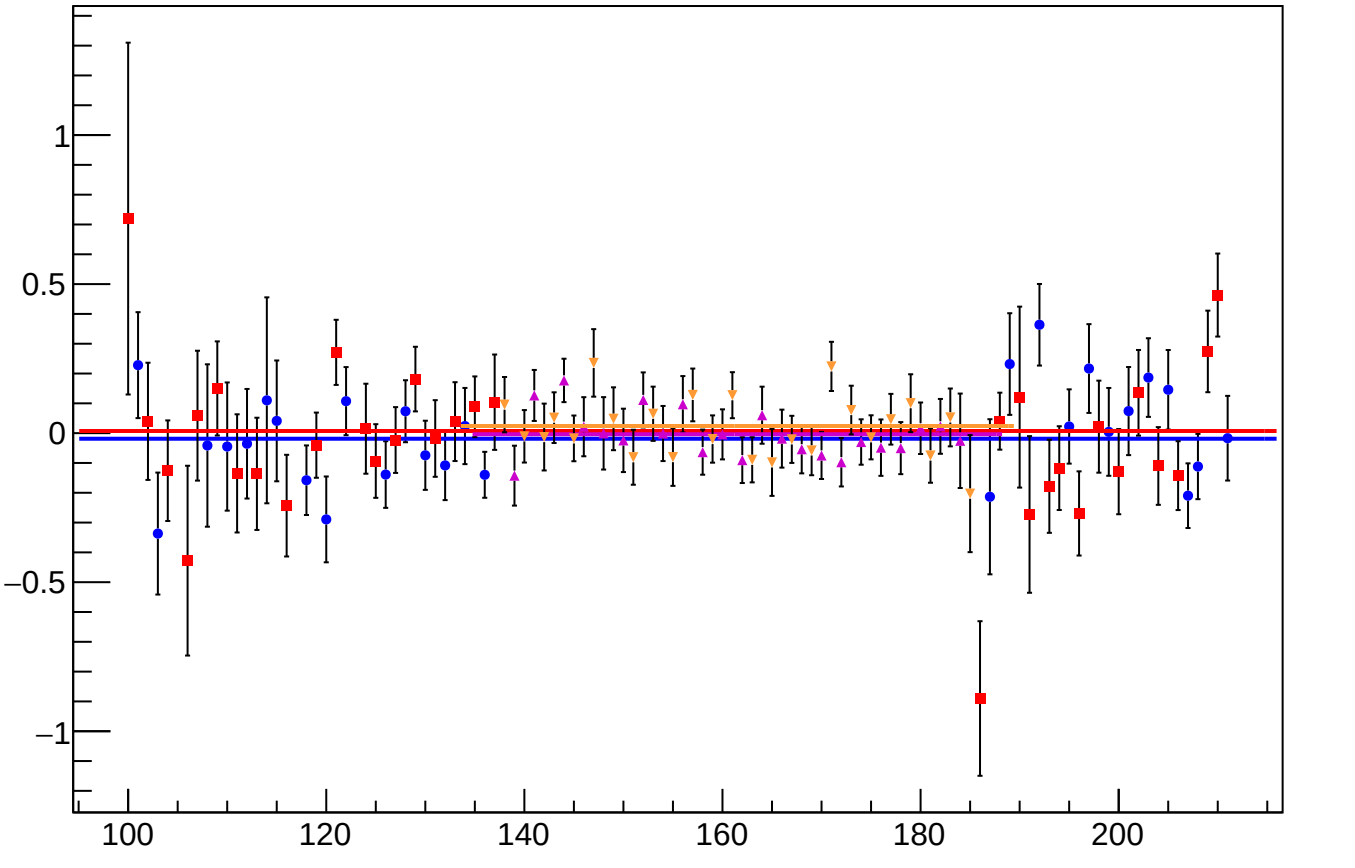
Right Out: 102.064+/-0.018 χ^2/NDF: 2516717.8/32

Left In: 78.615+/-0.013 χ^2/NDF:497808.4/22

+ sign 85.166+/-0.010 χ^2/NDF: 3558700.4/52

All: 86.024+/-0.007 χ^2/NDF: 7716809.2/108

- sign 86.916+/-0.011 χ^2/NDF: 4144084.0/55



Right In: -0.019+/-0.026 χ^2/NDF: 37.4/27

Left Out: 0.024+/-0.018 χ^2/NDF:25.5/24

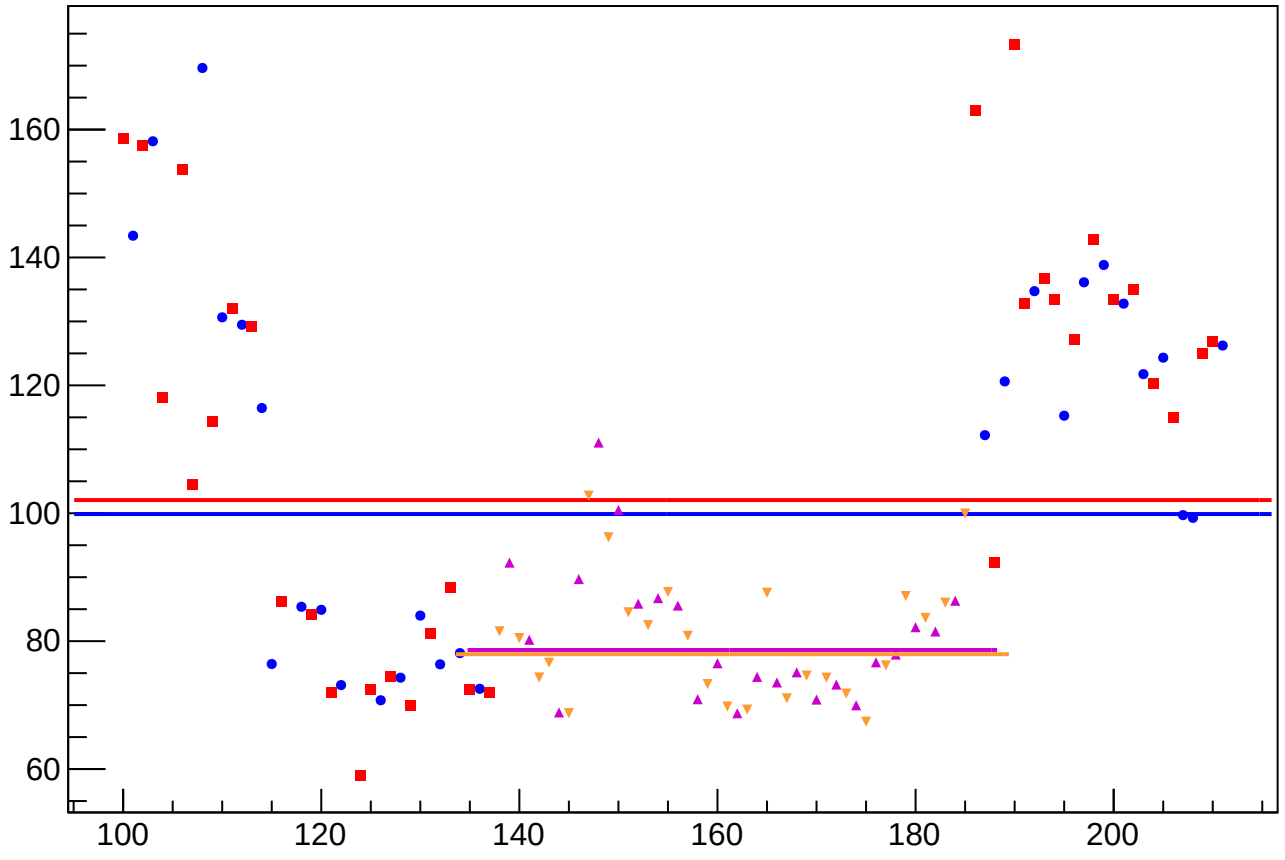
Right Out: 0.007+/-0.025 χ^2/NDF: 56.7/32

Left In: -0.004+/-0.019 χ^2/NDF:18.9/22

+ sign 0.010+/-0.015 χ^2/NDF: 64.9/52

All: 0.005+/-0.010 χ^2/NDF: 140.7/108

- sign 0.000+/-0.015 χ^2/NDF: 75.7/55



Right In: 99.877+/-0.018 χ^2/NDF: 2127773.5/27

Left Out: 77.957+/-0.013 χ^2/NDF:439703.9/24

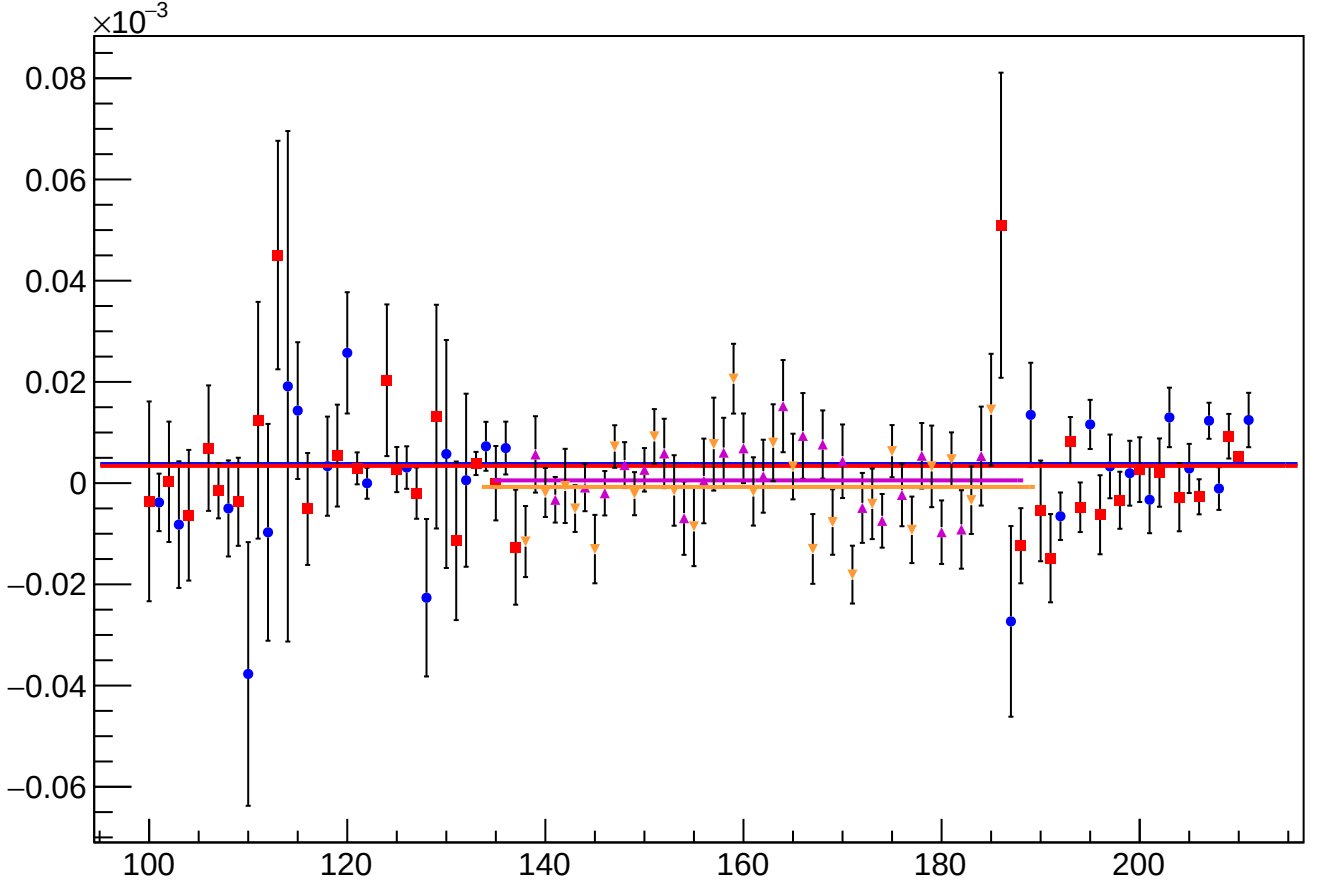
Right Out: 102.064+/-0.018 χ^2/NDF: 2516717.8/32

Left In: 78.615+/-0.013 χ^2/NDF:497808.4/22

+ sign 85.166+/-0.010 χ^2/NDF: 3558700.4/52

All: 86.024+/-0.007 χ^2/NDF: 7716809.2/108

- sign 86.916+/-0.011 χ^2/NDF: 4144084.0/55



Right In: 0.000+/-0.000 χ^2/NDF: 40.4/27

Left Out: -0.000+/-0.000 χ^2/NDF:47.6/24

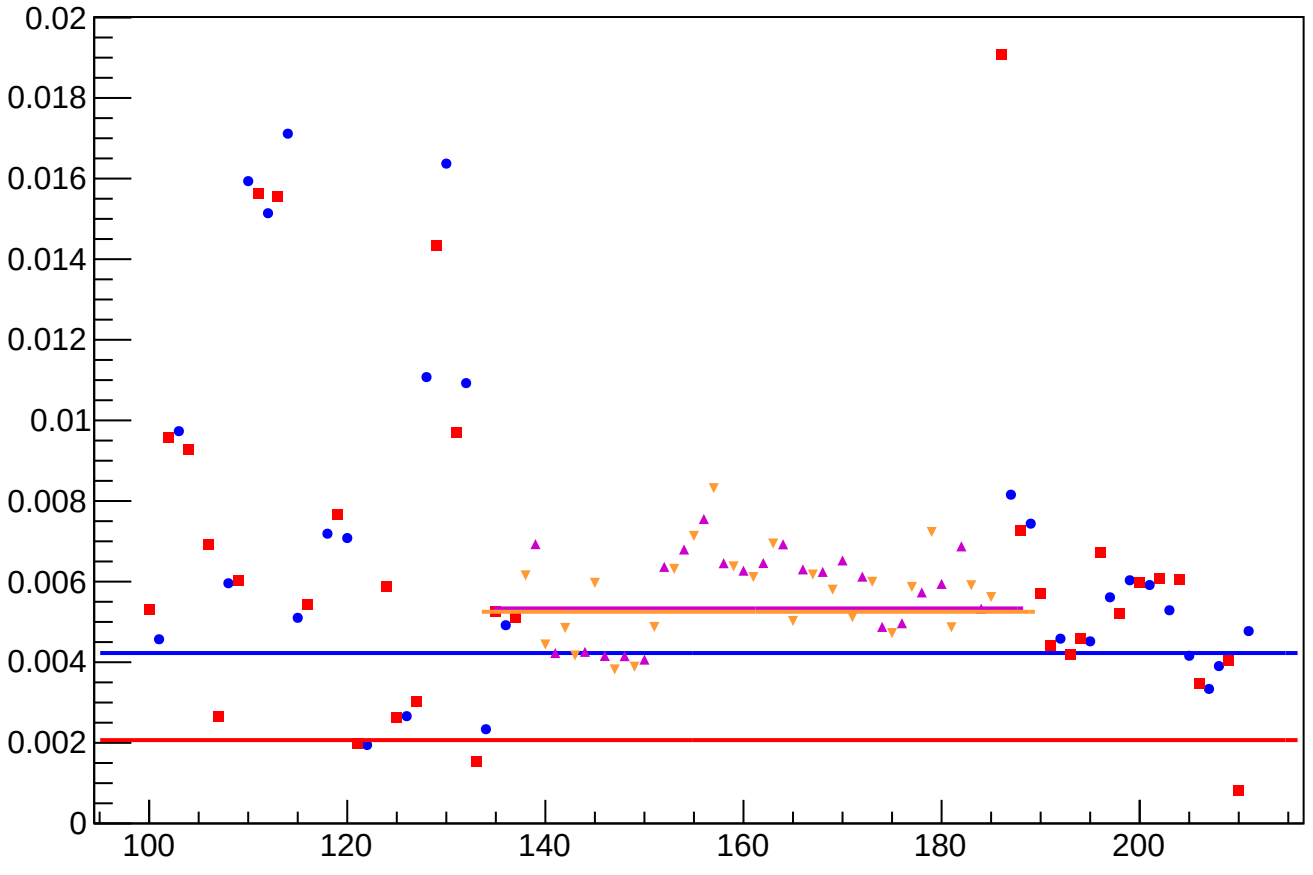
Right Out: 0.000+/-0.000 χ^2/NDF: 40.8/32

Left In: 0.000+/-0.000 χ^2/NDF:18.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 95.2/52

All: 0.000+/-0.000 χ^2/NDF: 159.6/108

- sign 0.000+/-0.000 χ^2/NDF: 63.3/55



Right In: 0.004+/-0.000 χ^2/NDF: 5732759.5/27

Left Out: 0.005+/-0.000 χ^2/NDF:1511867.7/24

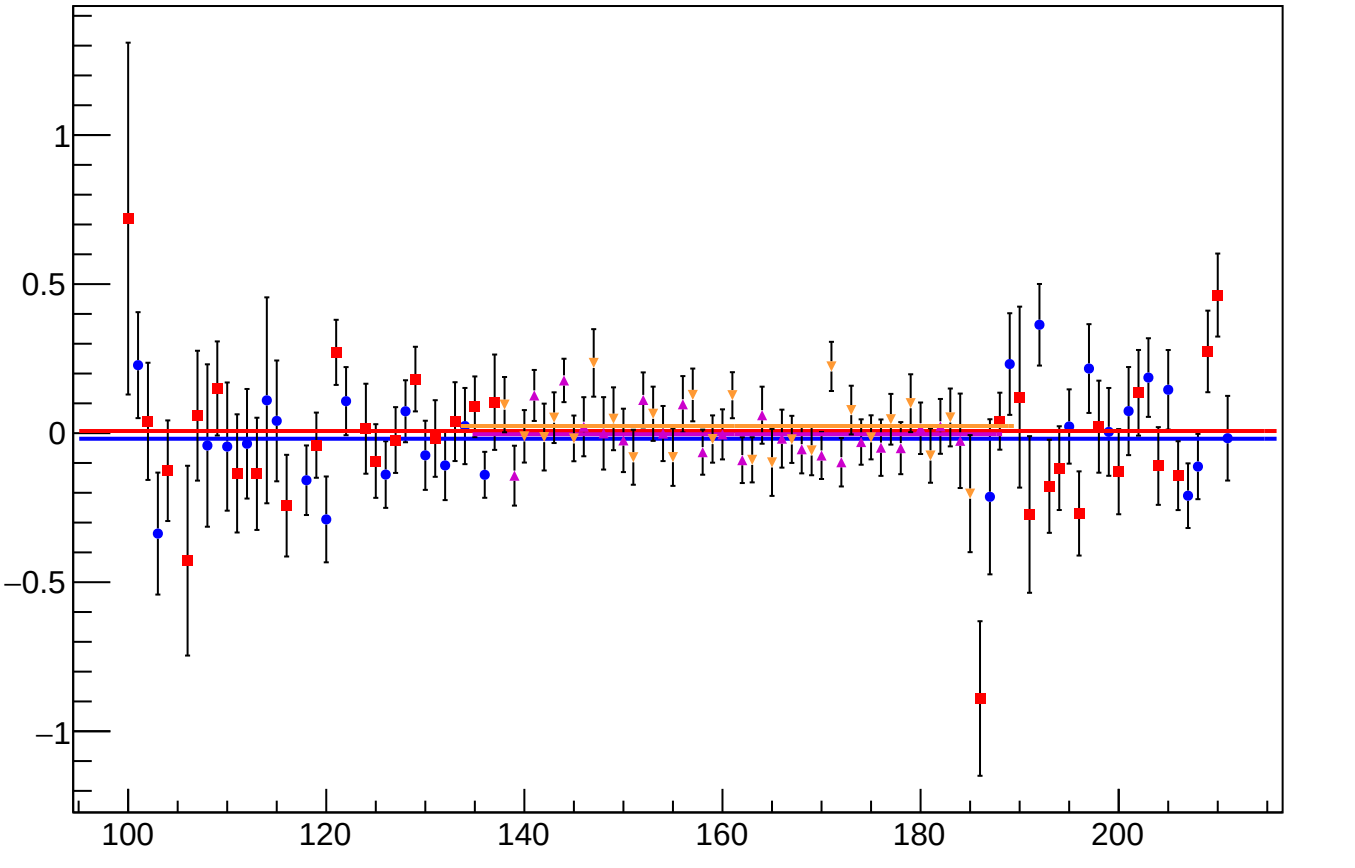
Right Out: 0.002+/-0.000 χ^2/NDF: 17281739.9/32

Left In: 0.005+/-0.000 χ^2/NDF:1508187.9/22

+ sign 0.005+/-0.000 χ^2/NDF: 7980897.9/52

All: 0.003+/-0.000 χ^2/NDF: 43527322.1/108

- sign 0.003+/-0.000 χ^2/NDF: 28846326.9/55



Right In: -0.019+/-0.026 χ^2/NDF: 37.4/27

Left Out: 0.024+/-0.018 χ^2/NDF:25.5/24

Right Out: 0.007+/-0.025 χ^2/NDF: 56.7/32

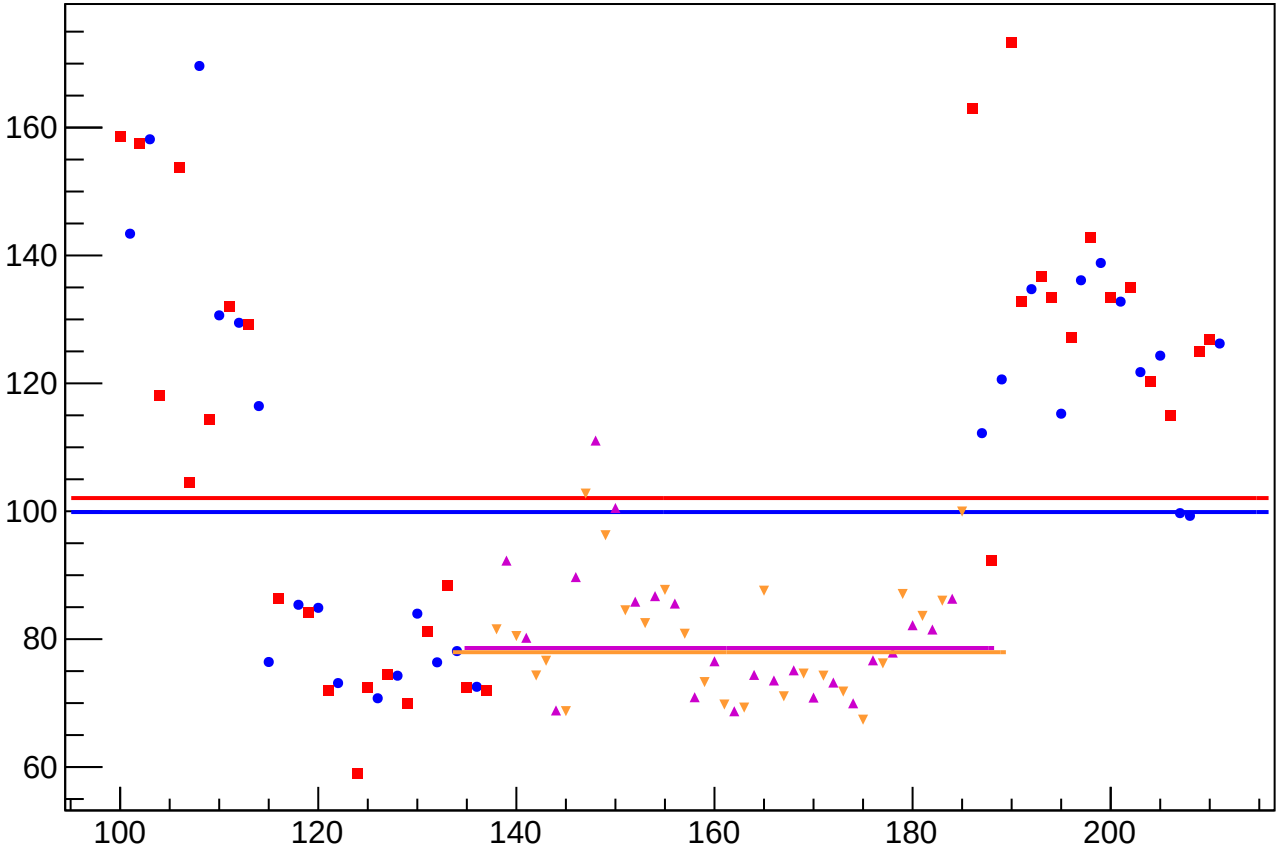
Left In: -0.004+/-0.019 χ^2/NDF:18.9/22

+ sign 0.010+/-0.015 χ^2/NDF: 64.8/52

All: 0.005+/-0.010 χ^2/NDF: 140.7/108

- sign 0.000+/-0.015 χ^2/NDF: 75.7/55

asym_sam_26_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 99.875+/-0.018 χ^2/NDF: 2127894.6/27

Left Out: 77.957+/-0.013 χ^2/NDF:439744.9/24

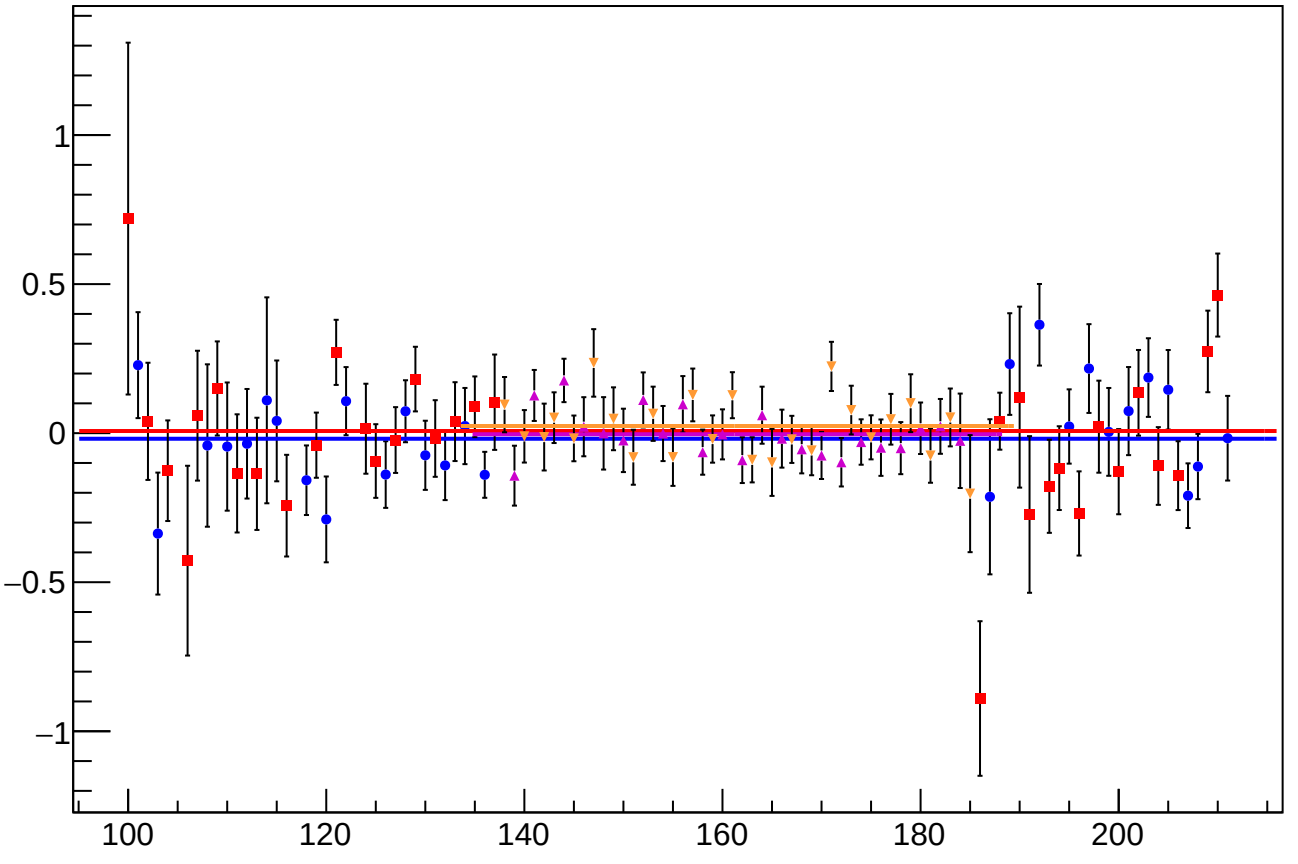
Right Out: 102.062+/-0.018 χ^2/NDF: 2516838.9/32

Left In: 78.614+/-0.013 χ^2/NDF:497846.3/22

\+ sign 85.166+/-0.010 χ^2/NDF: 3558743.9/52

All: 86.023+/-0.007 χ^2/NDF: 7716932.6/108

\- sign 86.915+/-0.011 χ^2/NDF: 4144166.8/55



Right In: -0.019+/-0.026 χ^2/NDF: 37.4/27

Left Out: 0.024+/-0.018 χ^2/NDF:25.5/24

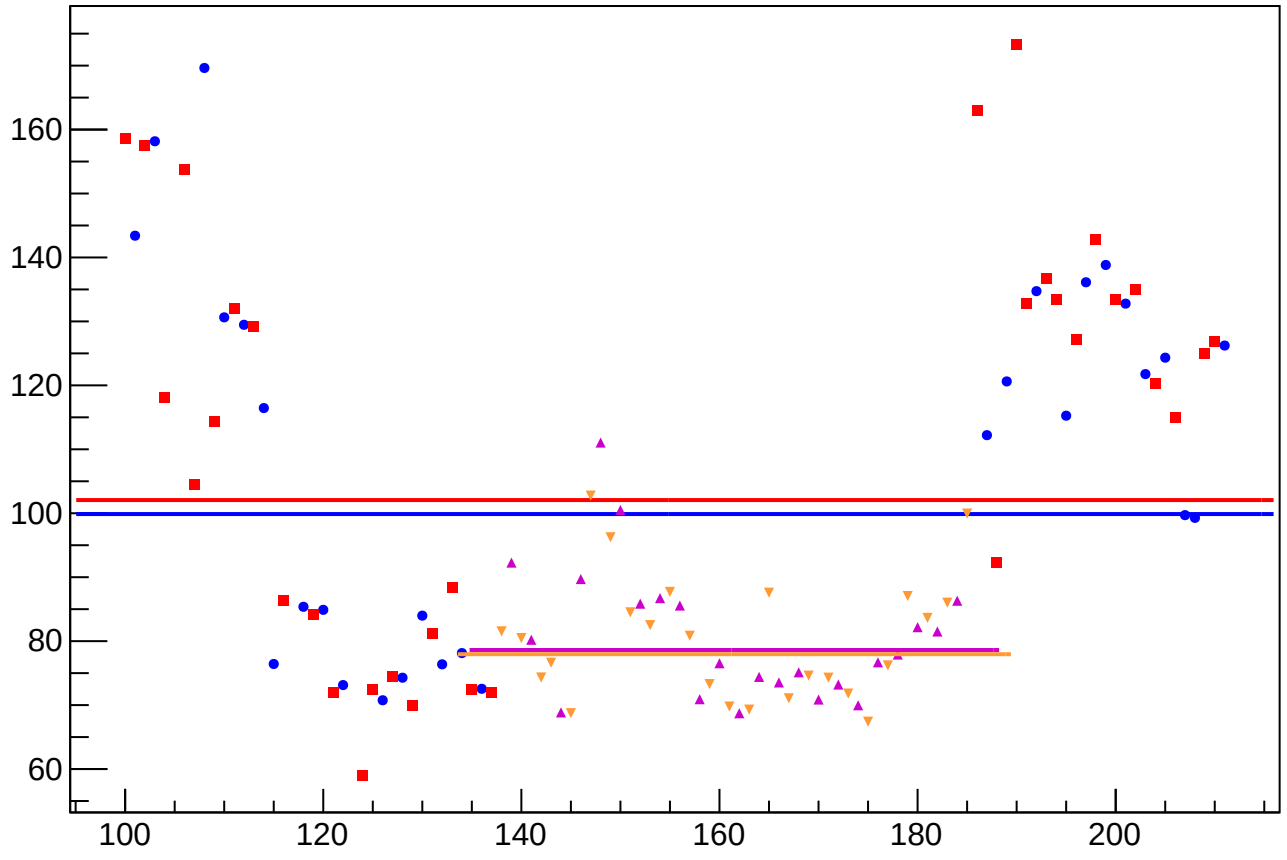
Right Out: 0.007+/-0.025 χ^2/NDF: 56.7/32

Left In: -0.004+/-0.019 χ^2/NDF:18.9/22

+ sign 0.010+/-0.015 χ^2/NDF: 64.8/52

All: 0.005+/-0.010 χ^2/NDF: 140.7/108

- sign 0.000+/-0.015 χ^2/NDF: 75.7/55



Right In: 99.875+/-0.018 χ^2/NDF: 2127894.6/27

Left Out: 77.957+/-0.013 χ^2/NDF:439744.9/24

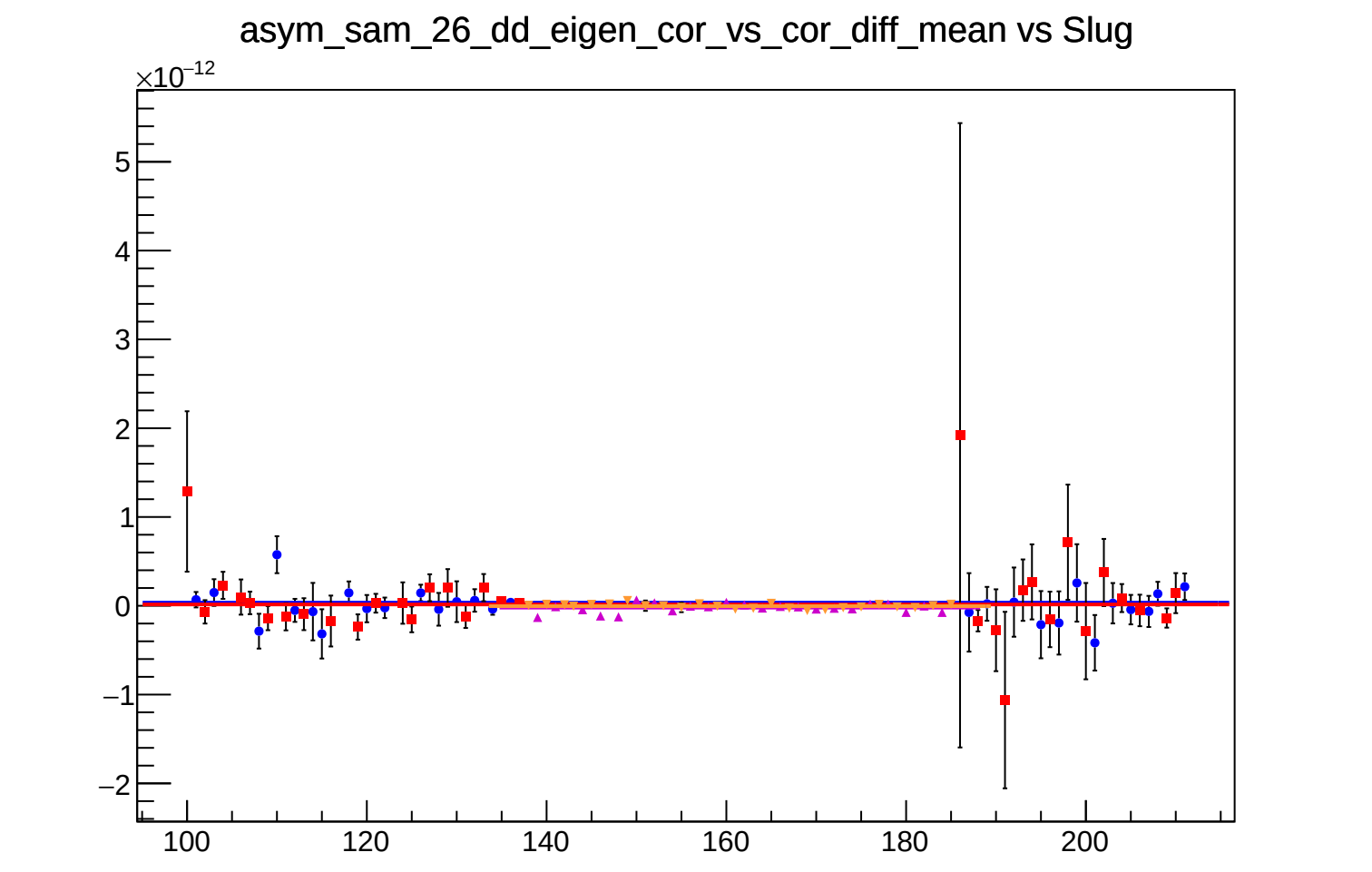
Right Out: 102.062+/-0.018 χ^2/NDF: 2516838.9/32

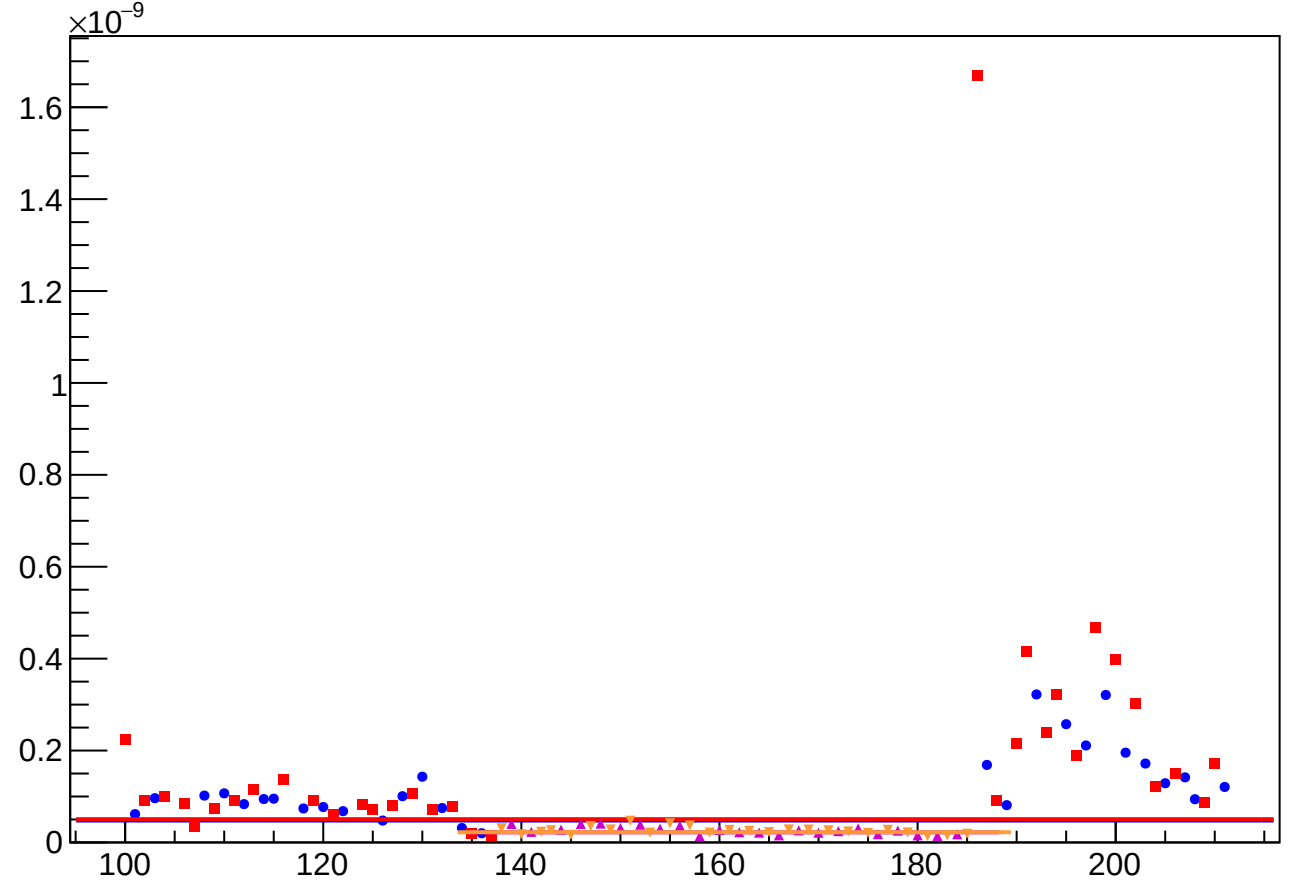
Left In: 78.614+/-0.013 χ^2/NDF:497846.3/22

+ sign 85.166+/-0.010 χ^2/NDF: 3558743.9/52

All: 86.023+/-0.007 χ^2/NDF: 7716932.6/108

- sign 86.915+/-0.011 χ^2/NDF: 4144166.8/55


asym_sam_26_dd_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
5
4
3
2
1
0
−1
−2
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 22.2/27
Left Out: -0.000+/-0.000 χ²/NDF:13.1/24
Right Out: 0.000+/-0.000 χ²/NDF: 28.1/32
Left In: -0.000+/-0.000 χ²/NDF:40.1/22
+ sign -0.000+/-0.000 χ²/NDF: 39.0/52
All: -0.000+/-0.000 χ²/NDF: 113.9/108
- sign -0.000+/-0.000 χ²/NDF: 70.9/55



Right In: 0.000+/-0.000 χ^2/NDF: 9743866.8/27

Left Out: 0.000+/-0.000 χ^2/NDF:2302790.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 12074844.3/32

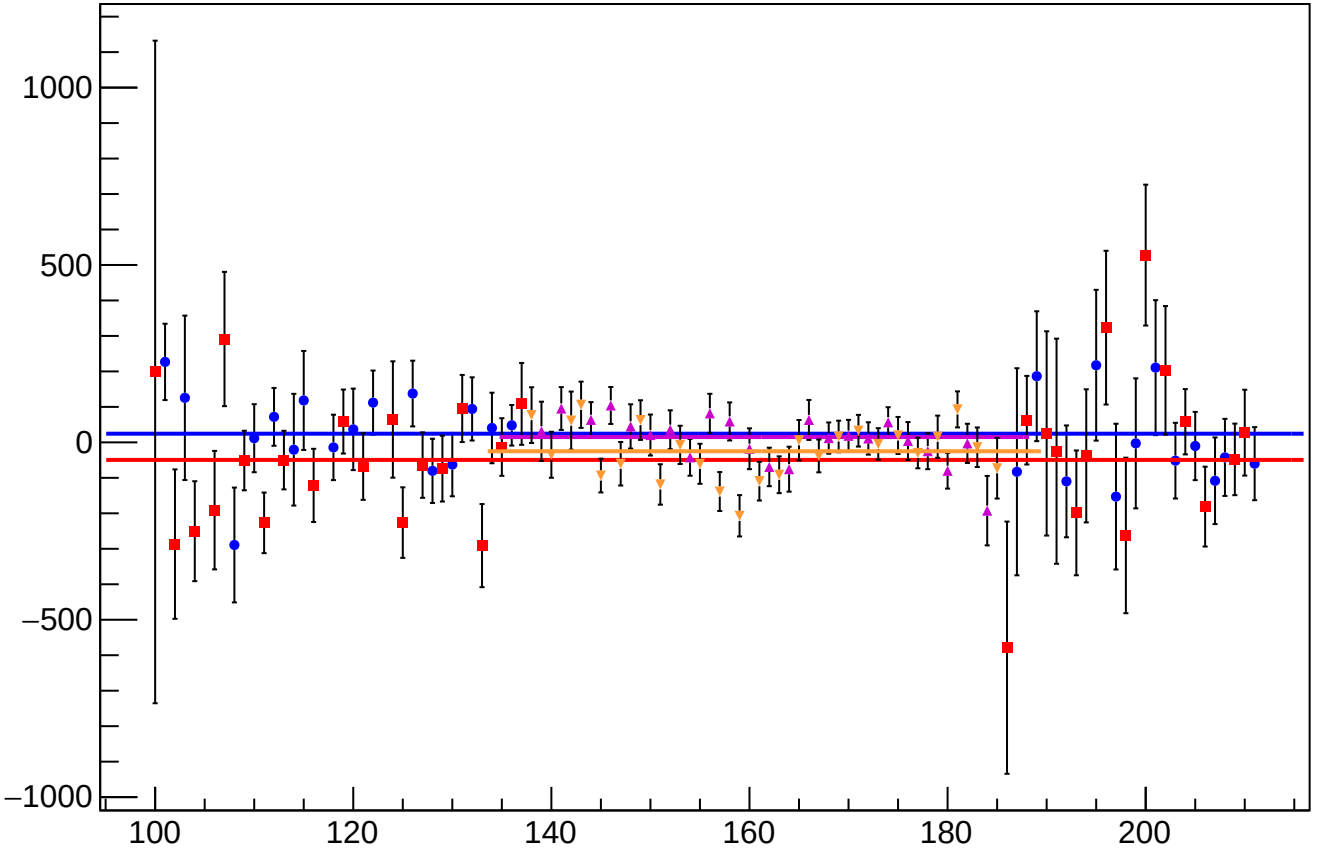
Left In: 0.000+/-0.000 χ^2/NDF:2802318.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 15136107.1/52

All: 0.000+/-0.000 χ^2/NDF: 33480984.2/108

- sign 0.000+/-0.000 χ^2/NDF: 18344794.7/55

reg_asym_sam_37_dd_mean vs Slug



Right In: 24.424+/-20.701 χ^2/NDF: 21.2/27

Left Out: -24.988+/-10.888 χ^2/NDF:43.1/24

Right Out: -49.462+/-20.881 χ^2/NDF: 47.3/32

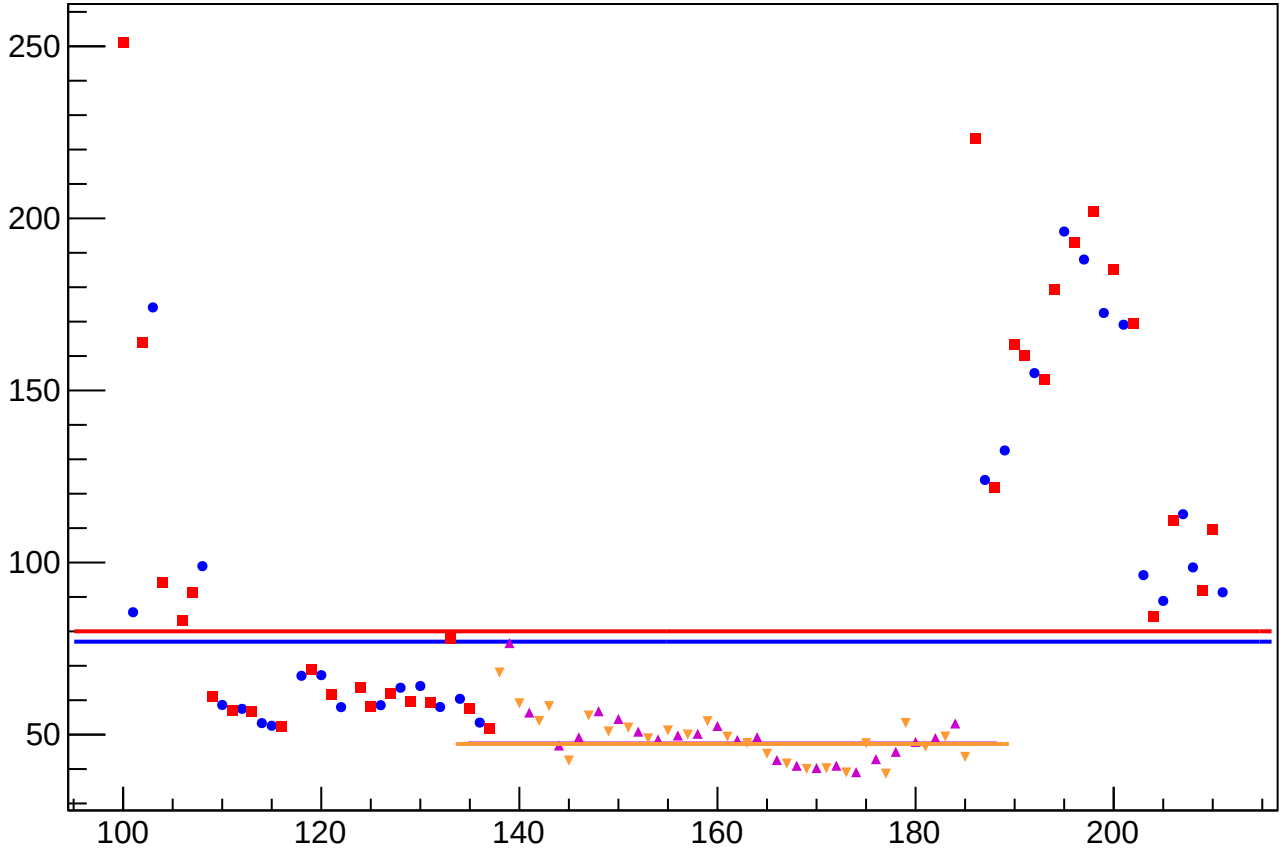
Left In: 14.994+/-11.218 χ^2/NDF:24.7/22

+ sign -14.281+/-9.636 χ^2/NDF: 68.7/52

All: -7.049+/-6.899 χ^2/NDF: 149.3/108

- sign 0.558+/-9.882 χ^2/NDF: 79.4/55

reg_asym_sam_37_dd_rms vs Slug



Right In: 77.010+/-0.015 χ^2/NDF: 4819792.0/27

Left Out: 47.284+/-0.008 χ^2/NDF:717249.8/24

Right Out: 80.016+/-0.015 χ^2/NDF: 6000383.2/32

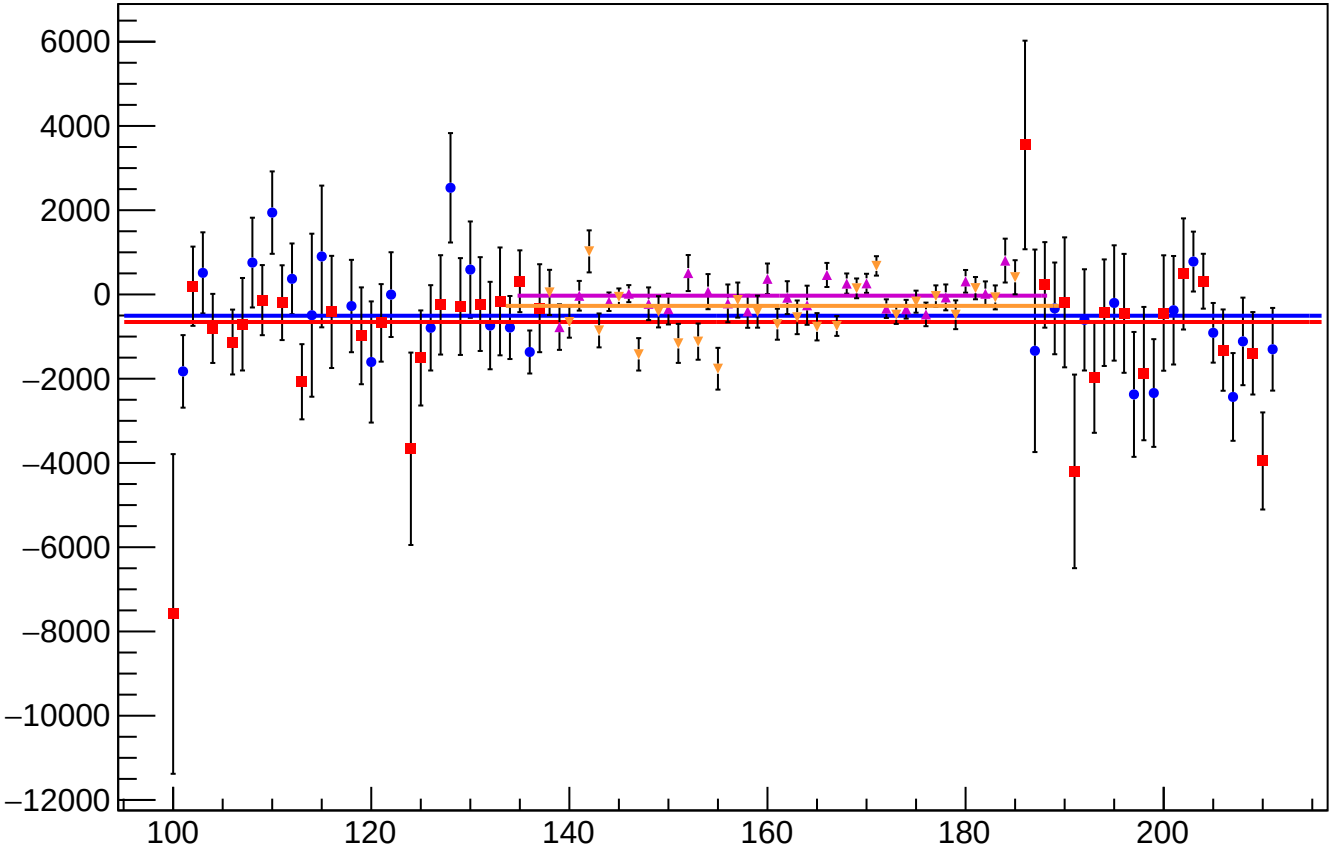
Left In: 47.425+/-0.008 χ^2/NDF:655736.9/22

+ sign 53.725+/-0.007 χ^2/NDF: 8767690.8/52

All: 54.212+/-0.005 χ^2/NDF: 19215058.3/108

- sign 54.724+/-0.007 χ^2/NDF: 10436880.2/55

asym_sam_37_dd_reg_correction_mean vs Slug



Right In: -505.277+/-187.802 χ^2/NDF: 35.2/27

Left Out: -271.031+/-62.346 χ^2/NDF:73.9/24

Right Out: -653.917+/-187.288 χ^2/NDF: 32.5/32

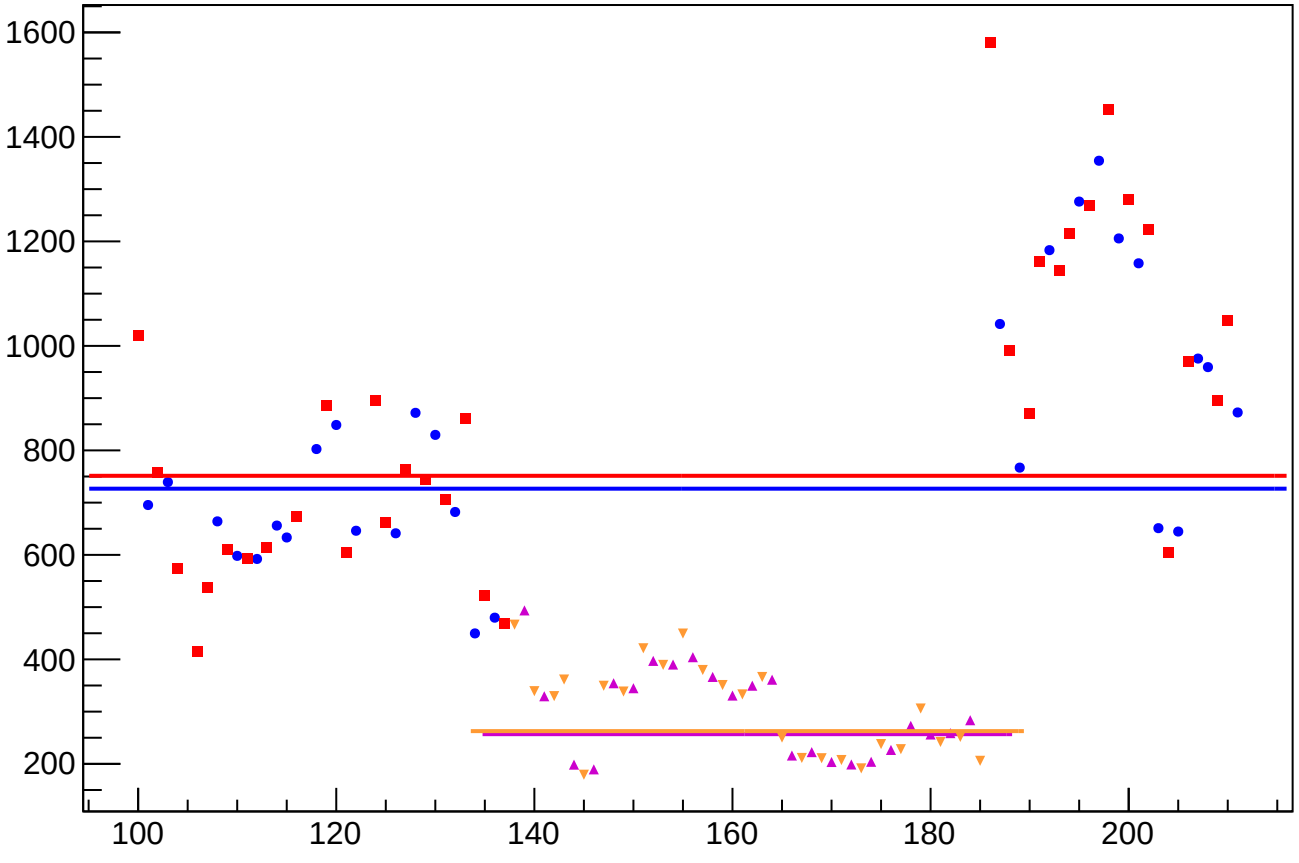
Left In: -29.200+/-62.671 χ^2/NDF:24.4/22

+ sign -294.285+/-59.171 χ^2/NDF: 110.5/52

All: -193.641+/-41.932 χ^2/NDF: 183.2/108

- sign -92.107+/-59.432 χ^2/NDF: 66.9/55

asym_sam_37_dd_reg_correction_rms vs Slug



Right In: 726.705+/-0.133 χ^2/NDF: 2762323.0/27

Left Out: 262.679+/-0.044 χ^2/NDF:2893255.4/24

Right Out: 751.353+/-0.132 χ^2/NDF: 3652989.2/32

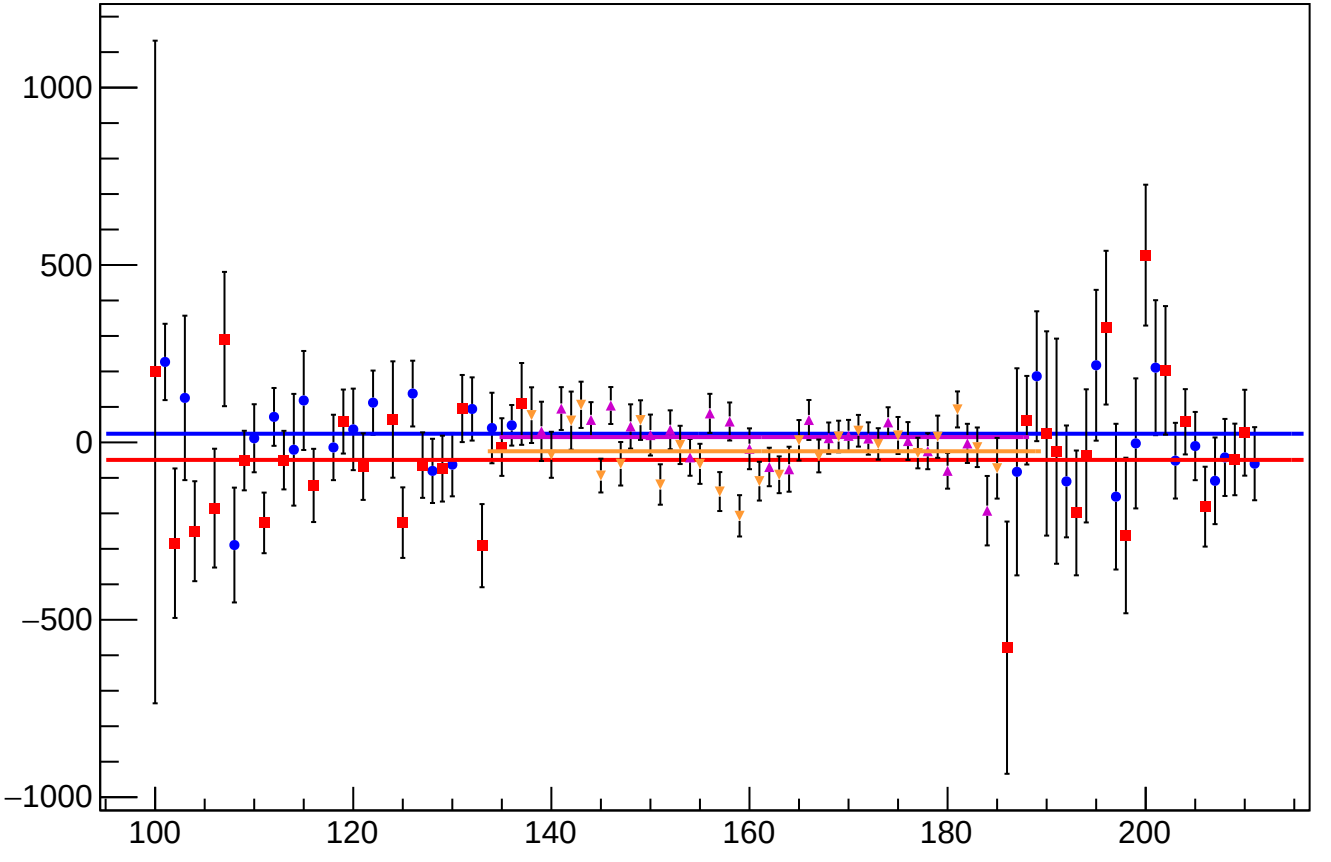
Left In: 256.842+/-0.044 χ^2/NDF:2639200.9/22

+ sign 308.742+/-0.042 χ^2/NDF: 16653429.5/52

All: 307.694+/-0.030 χ^2/NDF: 35486000.7/10

- sign 306.638+/-0.042 χ^2/NDF: 18831312.2/55

cor_asym_sam_37_dd_mean vs Slug



Right In: 24.417+/-20.701 χ^2/NDF: 21.2/27

Left Out: -24.985+/-10.888 χ^2/NDF:43.1/24

Right Out: -49.328+/-20.882 χ^2/NDF: 47.2/32

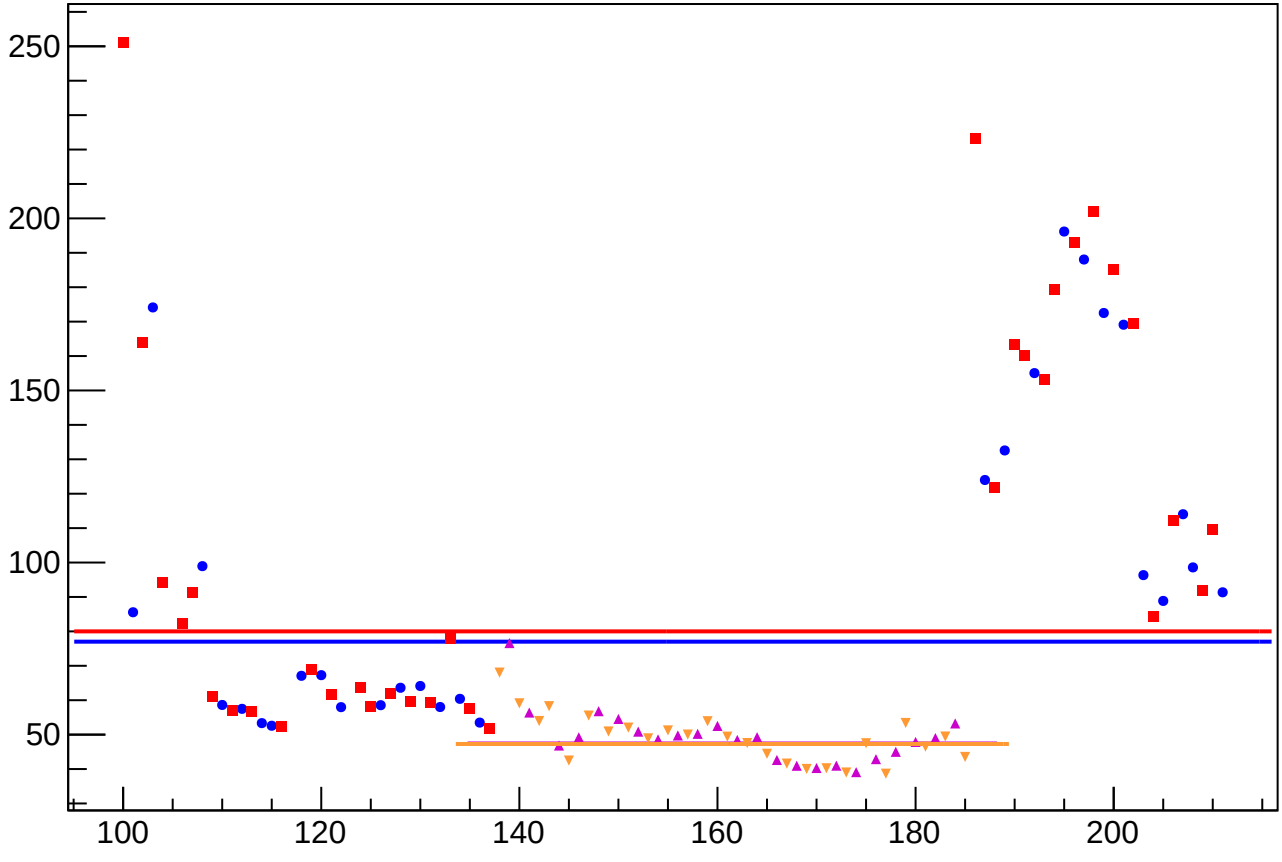
Left In: 14.992+/-11.218 χ^2/NDF:24.7/22

+ sign -14.280+/-9.636 χ^2/NDF: 68.7/52

All: -7.034+/-6.899 χ^2/NDF: 149.2/108

- sign 0.587+/-9.882 χ^2/NDF: 79.3/55

cor_asym_sam_37_dd_rms vs Slug



Right In: 77.010+/-0.015 χ^2/NDF: 4819794.4/27

Left Out: 47.284+/-0.008 χ^2/NDF:717249.7/24

Right Out: 79.999+/-0.015 χ^2/NDF: 6000169.0/32

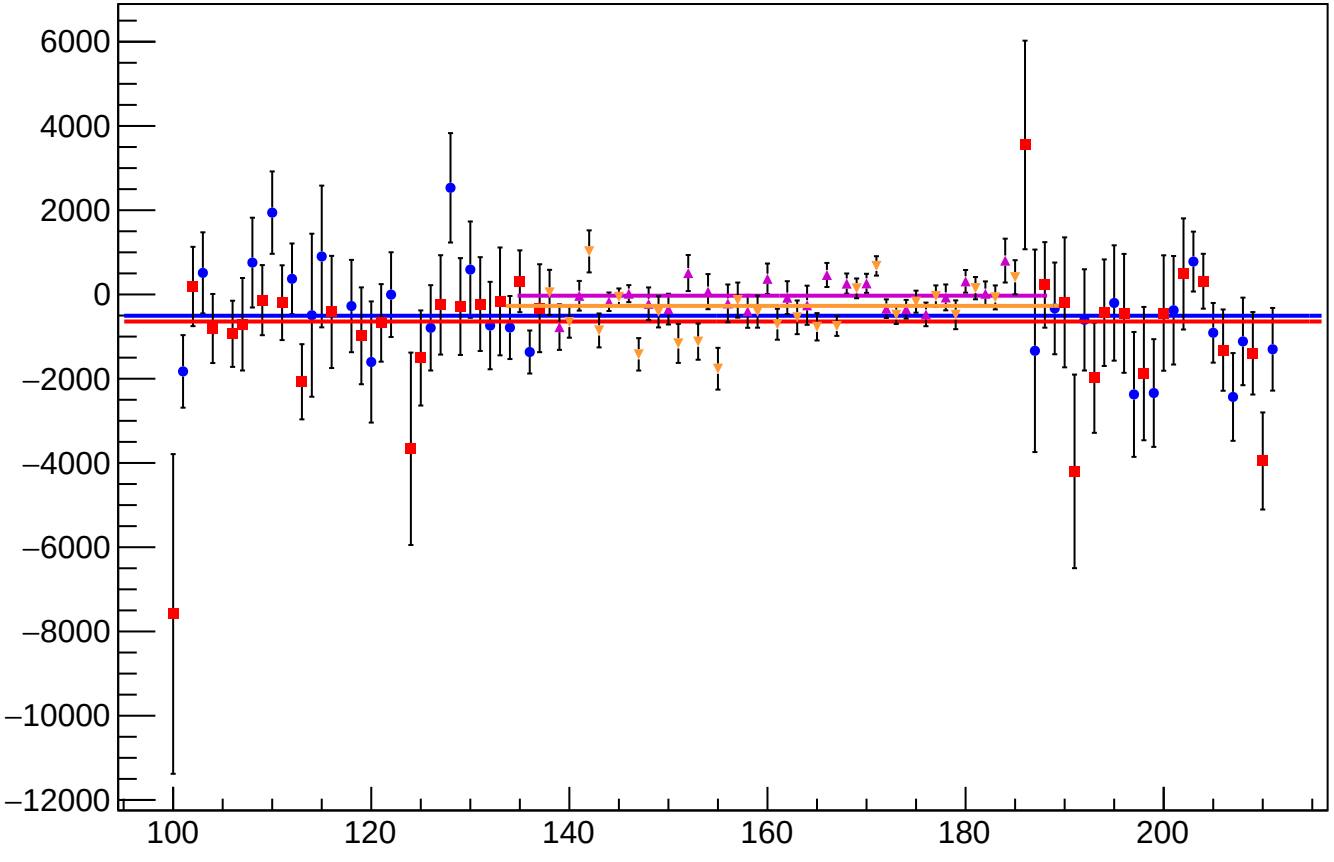
Left In: 47.425+/-0.008 χ^2/NDF:655736.9/22

+ sign 53.725+/-0.007 χ^2/NDF: 8767692.5/52

All: 54.210+/-0.005 χ^2/NDF: 19210741.1/108

- sign 54.720+/-0.007 χ^2/NDF: 10432648.0/55

asym_sam_37_dd_cor_correction_mean vs Slug



Right In: -505.278+/-187.803 χ^2/NDF: 35.2/27

Left Out: -271.027+/-62.346 χ^2/NDF:73.9/24

Right Out: -642.078+/-187.513 χ^2/NDF: 32.3/32

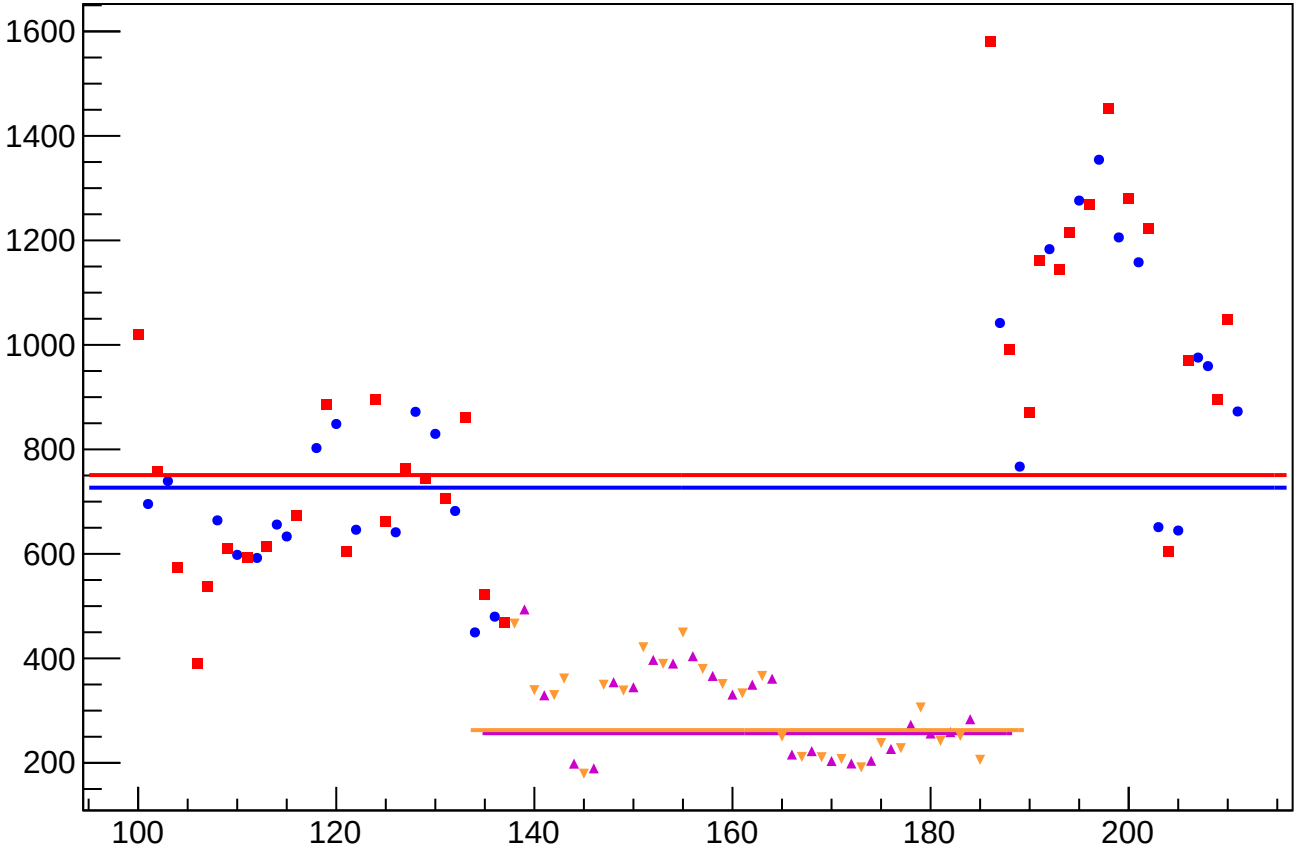
Left In: -29.202+/-62.671 χ^2/NDF:24.4/22

+ sign -294.280+/-59.171 χ^2/NDF: 110.5/52

All: -192.992+/-41.934 χ^2/NDF: 182.6/108

- sign -90.783+/-59.439 χ^2/NDF: 66.3/55

asym_sam_37_dd_cor_correction_rms vs Slug



Right In: 726.708+/-0.133 χ^2/NDF: 2762326.8/27

Left Out: 262.679+/-0.044 χ^2/NDF:2893257.1/24

Right Out: 750.829+/-0.133 χ^2/NDF: 3690973.4/32

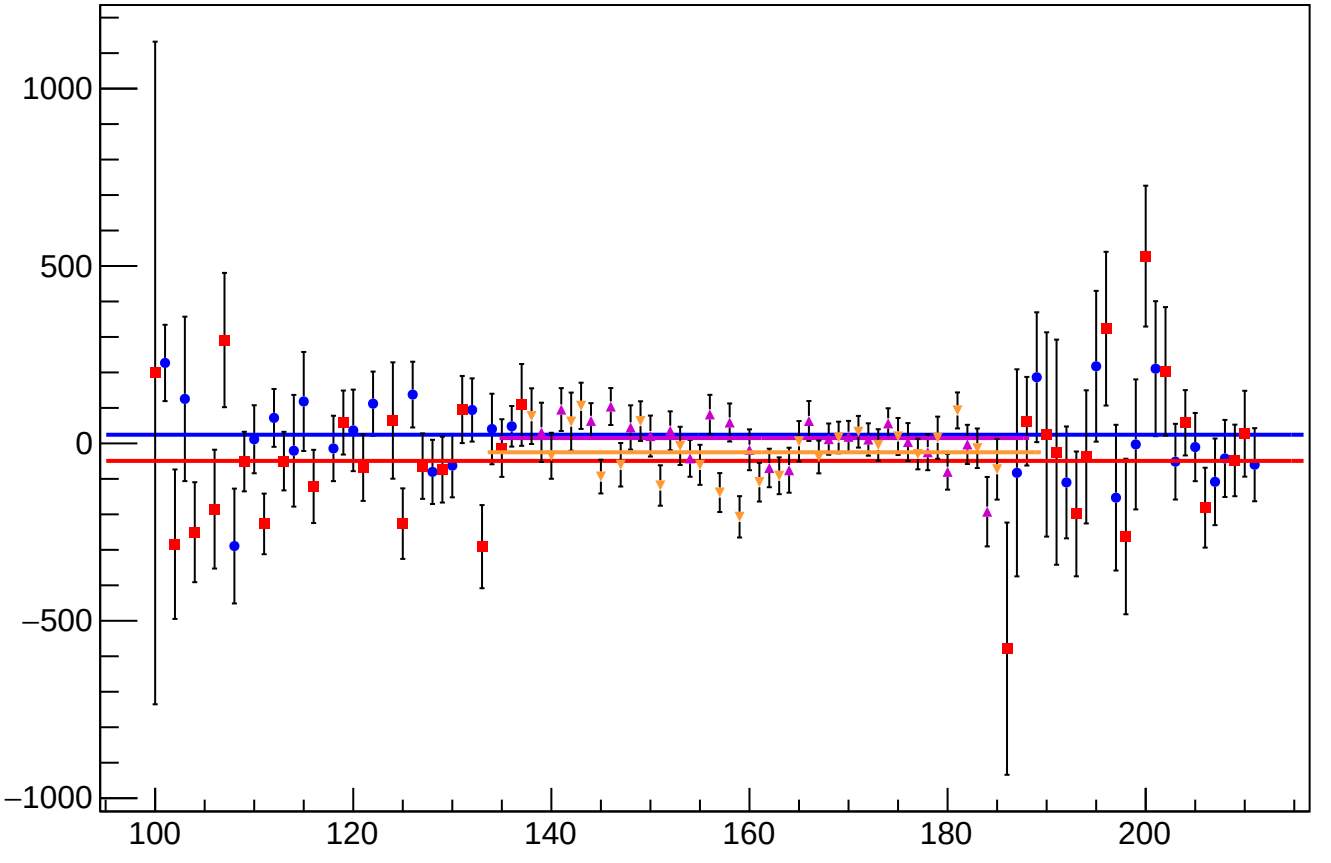
Left In: 256.842+/-0.044 χ^2/NDF:2639196.2/22

+ sign 308.742+/-0.042 χ^2/NDF: 16653487.7/52

All: 307.615+/-0.030 χ^2/NDF: 35470676.3/10

- sign 306.478+/-0.042 χ^2/NDF: 18815731.3/55

eigen_cor_asym_sam_37_dd_mean vs Slug



Right In: 24.417+/-20.701 χ^2/NDF: 21.2/27

Left Out: -24.985+/-10.888 χ^2/NDF:43.1/24

Right Out: -49.328+/-20.882 χ^2/NDF: 47.2/32

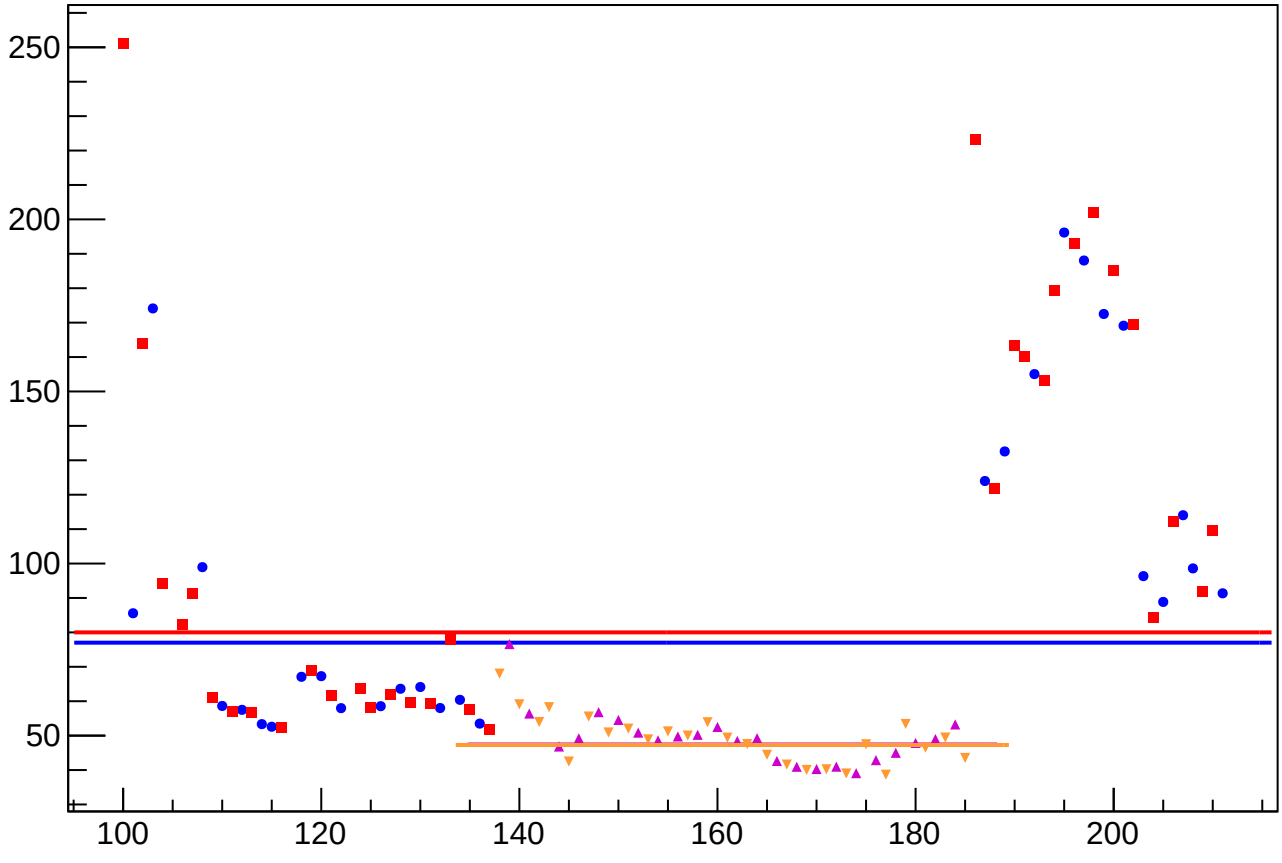
Left In: 14.992+/-11.218 χ^2/NDF:24.7/22

+ sign -14.280+/-9.636 χ^2/NDF: 68.7/52

All: -7.034+/-6.899 χ^2/NDF: 149.2/108

- sign 0.587+/-9.882 χ^2/NDF: 79.3/55

eigen_cor_asym_sam_37_dd_rms vs Slug



Right In: 77.010+/-0.015 χ^2/NDF: 4819794.4/27

Left Out: 47.284+/-0.008 χ^2/NDF:717249.7/24

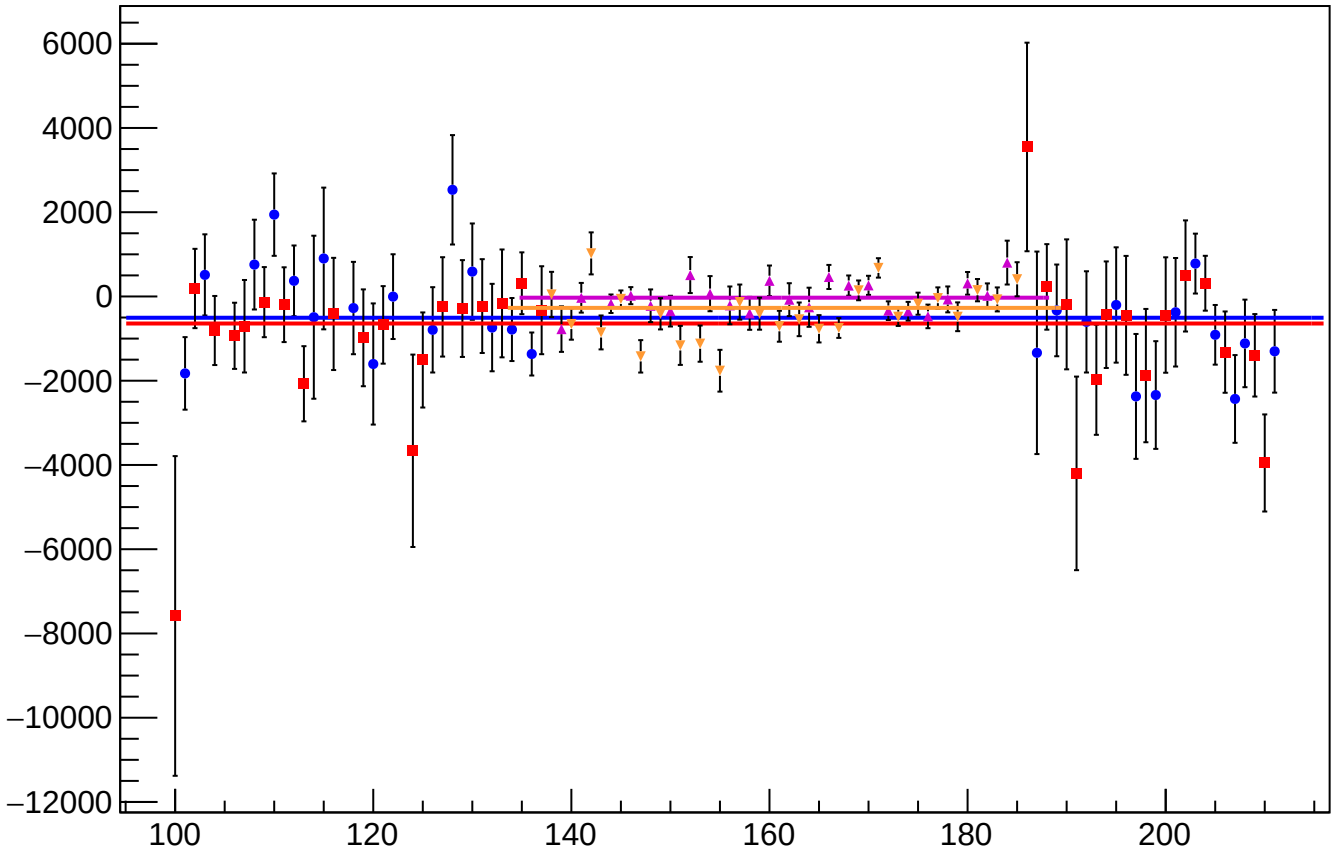
Right Out: 79.999+/-0.015 χ^2/NDF: 6000169.0/32

Left In: 47.425+/-0.008 χ^2/NDF:655736.9/22

+ sign 53.725+/-0.007 χ^2/NDF: 8767692.5/52

All: 54.210+/-0.005 χ^2/NDF: 19210741.1/108

- sign 54.720+/-0.007 χ^2/NDF: 10432648.0/55



Right In: -505.278+/-187.803 χ^2/NDF: 35.2/27

Left Out: -271.027+/-62.346 χ^2/NDF:73.9/24

Right Out: -642.078+/-187.513 χ^2/NDF: 32.3/32

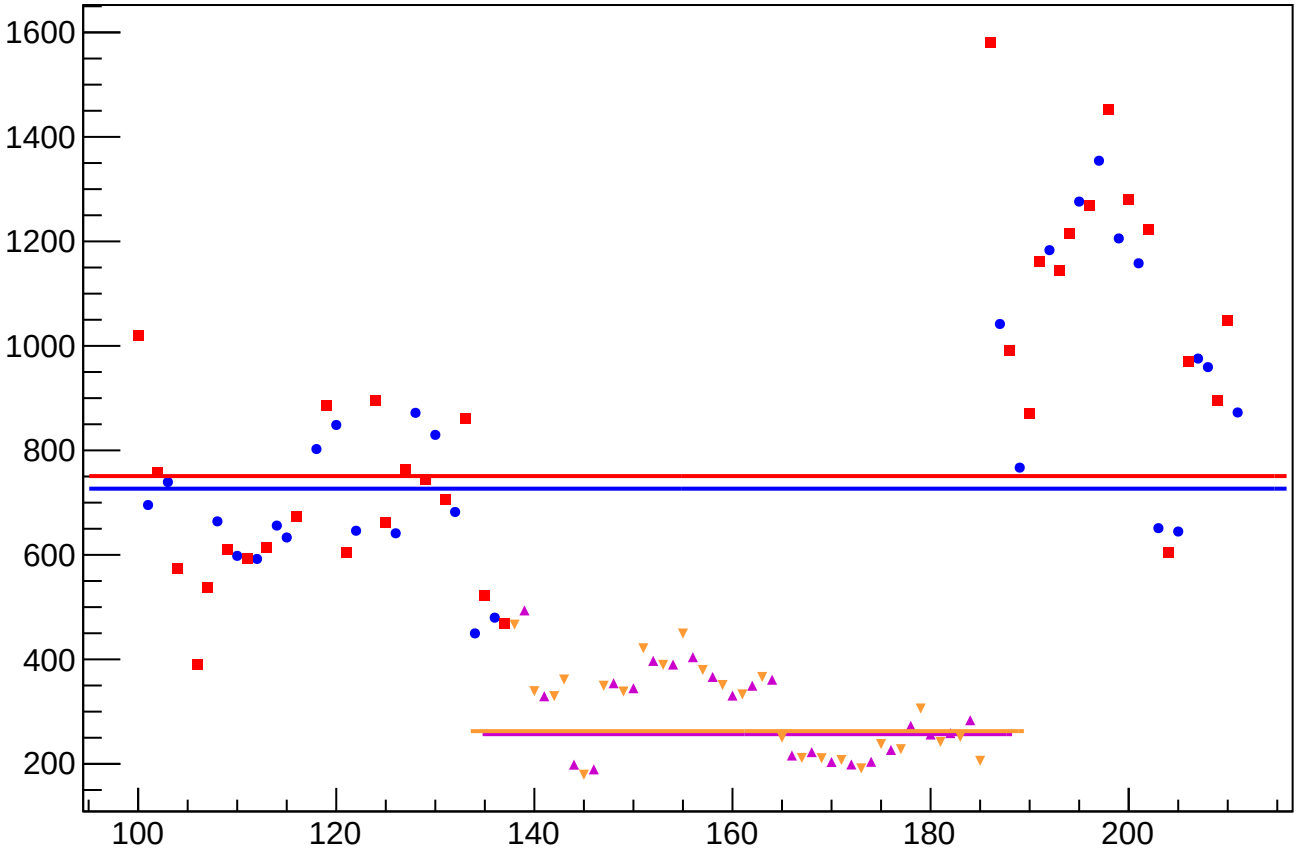
Left In: -29.202+/-62.671 χ^2/NDF:24.4/22

+ sign -294.280+/-59.171 χ^2/NDF: 110.5/52

All: -192.992+/-41.934 χ^2/NDF: 182.6/108

- sign -90.783+/-59.439 χ^2/NDF: 66.3/55

asym_sam_37_dd_eigen_cor_correction_rms vs Slug



Right In: 726.708+/-0.133 χ^2/NDF: 2762326.8/27

Left Out: 262.679+/-0.044 χ^2/NDF:2893257.1/24

Right Out: 750.829+/-0.133 χ^2/NDF: 3690973.4/32

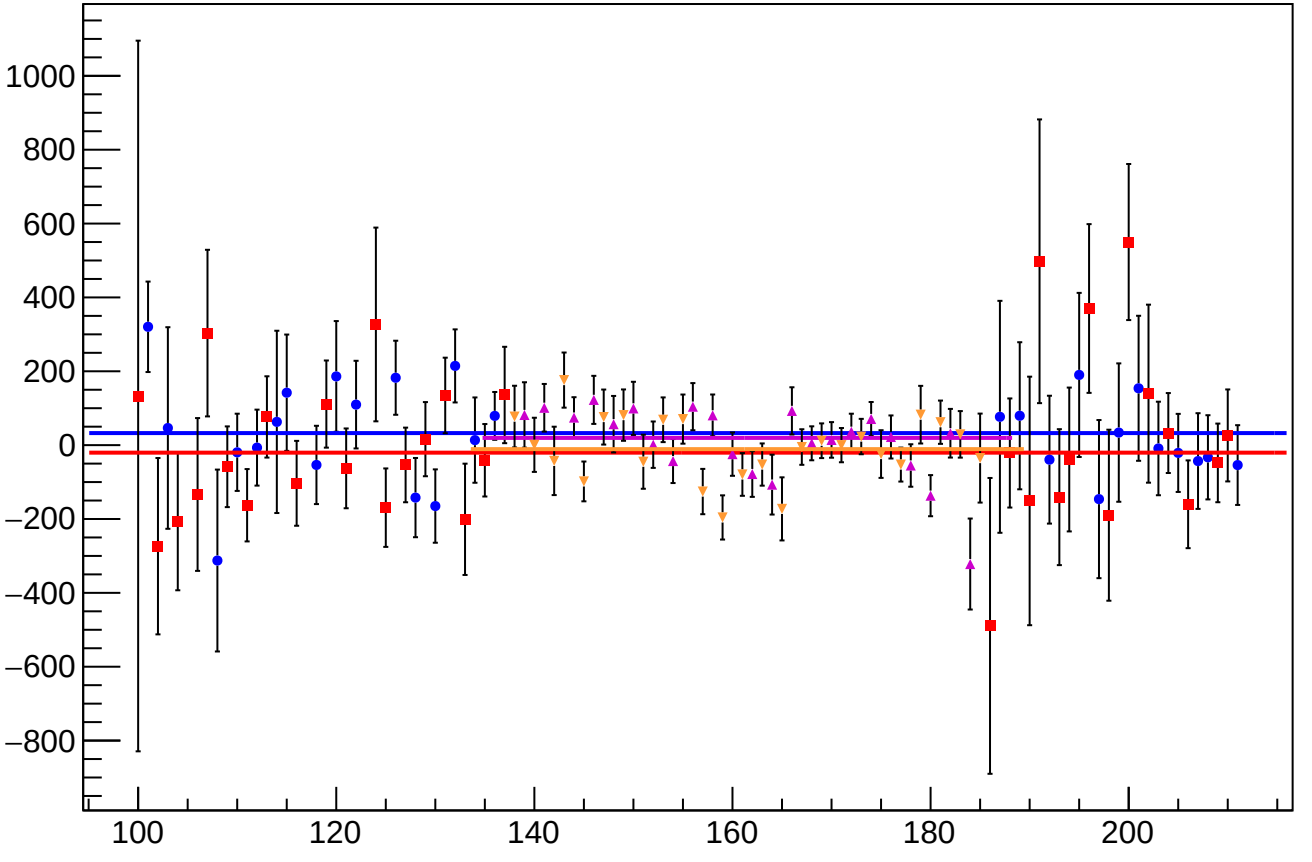
Left In: 256.842+/-0.044 χ^2/NDF:2639196.2/22

+ sign 308.742+/-0.042 χ^2/NDF: 16653487.7/52

All: 307.615+/-0.030 χ^2/NDF: 35470676.3/10

- sign 306.478+/-0.042 χ^2/NDF: 18815731.3/55

dit_asym_sam_37_dd_mean vs Slug



Right In: 32.651+/-23.659 χ^2/NDF: 26.8/27

Left Out: -10.823+/-12.306 χ^2/NDF:40.4/24

Right Out: -20.360+/-24.209 χ^2/NDF: 35.4/32

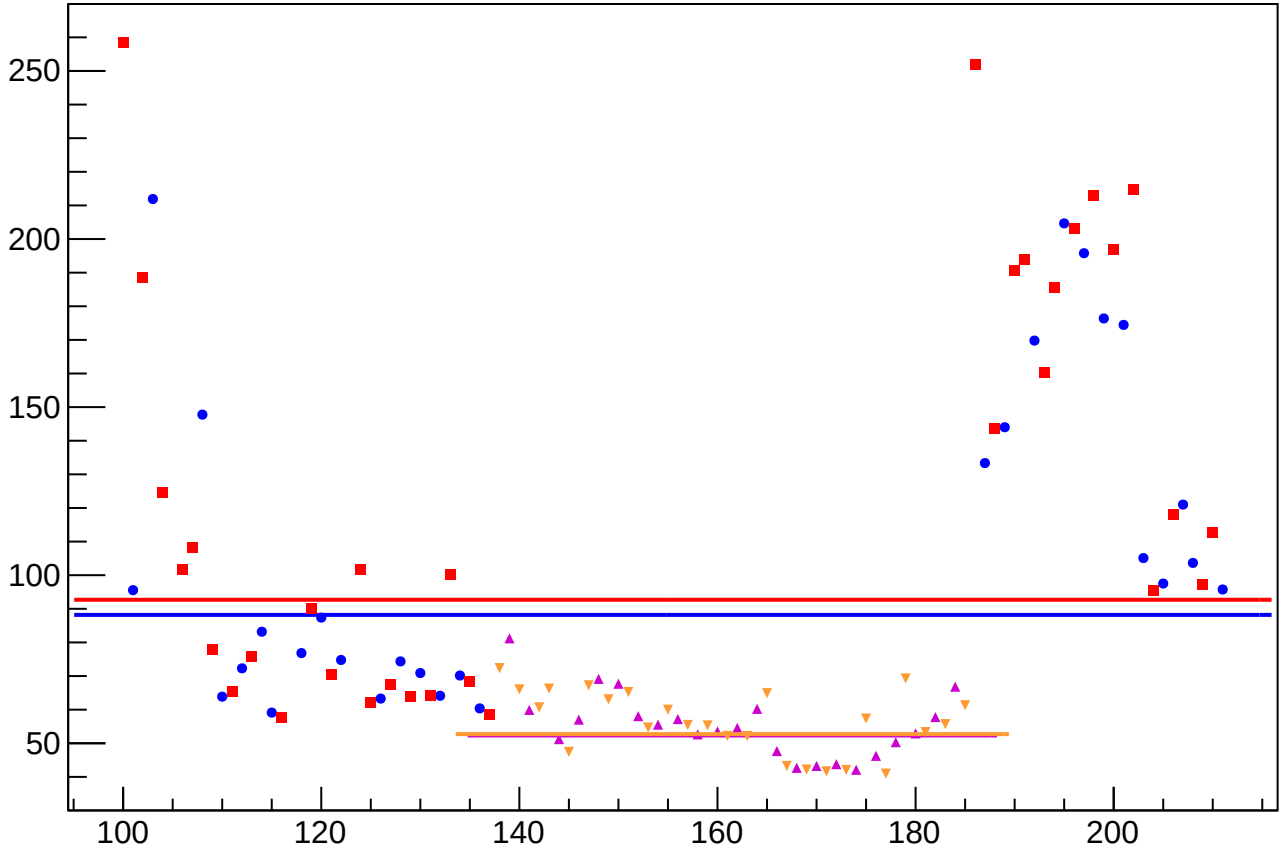
Left In: 19.597+/-12.546 χ^2/NDF:36.8/22

+ sign -1.566+/-10.918 χ^2/NDF: 69.8/52

All: 4.659+/-7.797 χ^2/NDF: 144.8/108

- sign 11.138+/-11.139 χ^2/NDF: 74.3/55

dit_asym_sam_37_dd_rms vs Slug



Right In: 88.192+/-0.017 χ^2/NDF: 4314419.6/27

Left Out: 52.731+/-0.009 χ^2/NDF:1167195.4/24

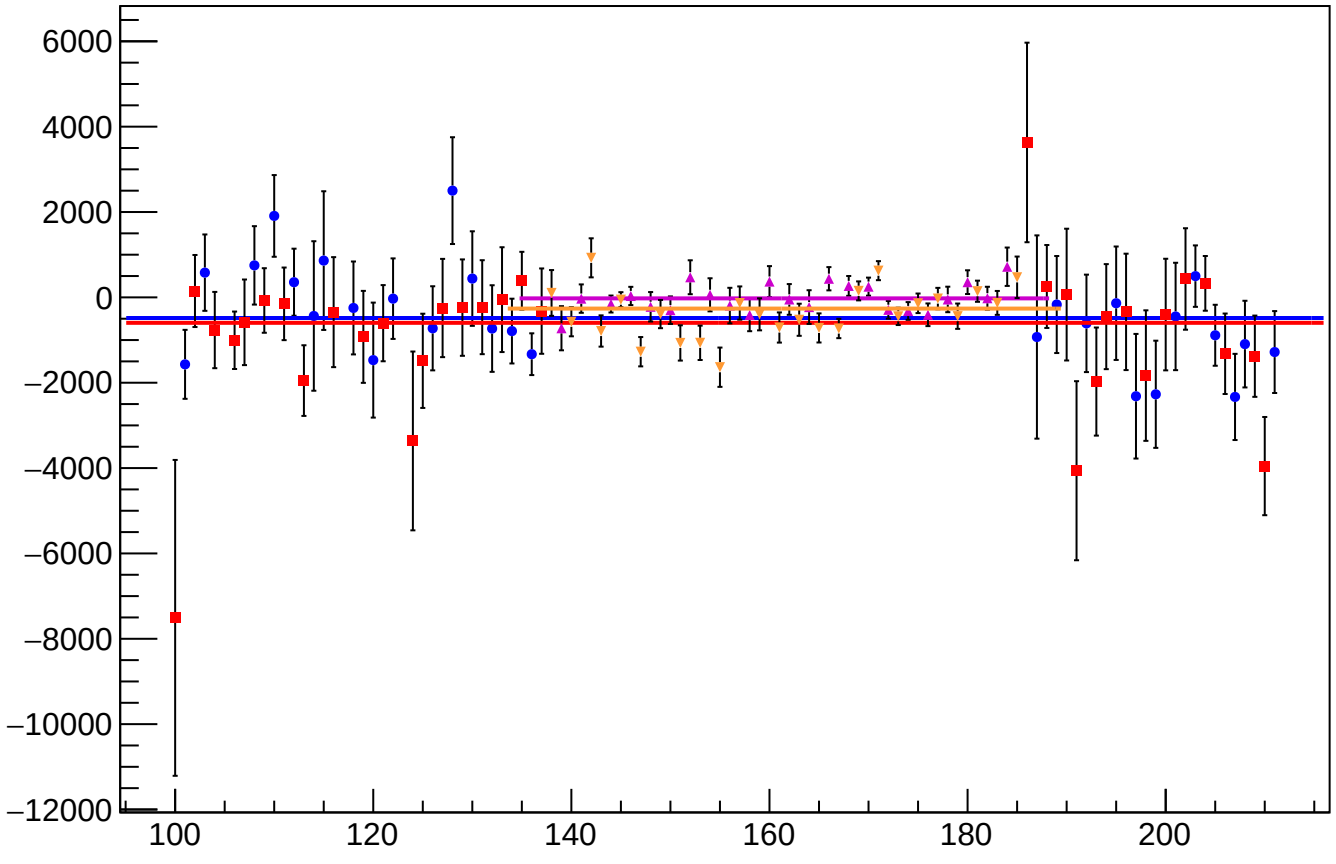
Right Out: 92.694+/-0.017 χ^2/NDF: 5586045.4/32

Left In: 52.314+/-0.009 χ^2/NDF:891847.5/22

+ sign 60.282+/-0.008 χ^2/NDF: 9017908.0/52

All: 60.566+/-0.006 χ^2/NDF: 19884929.7/108

- sign 60.862+/-0.008 χ^2/NDF: 10864249.4/55



Right In: -483.345+/-181.918 χ^2/NDF: 34.0/27

Left Out: -262.582+/-58.501 χ^2/NDF:72.2/24

Right Out: -596.347+/-178.631 χ^2/NDF: 34.8/32

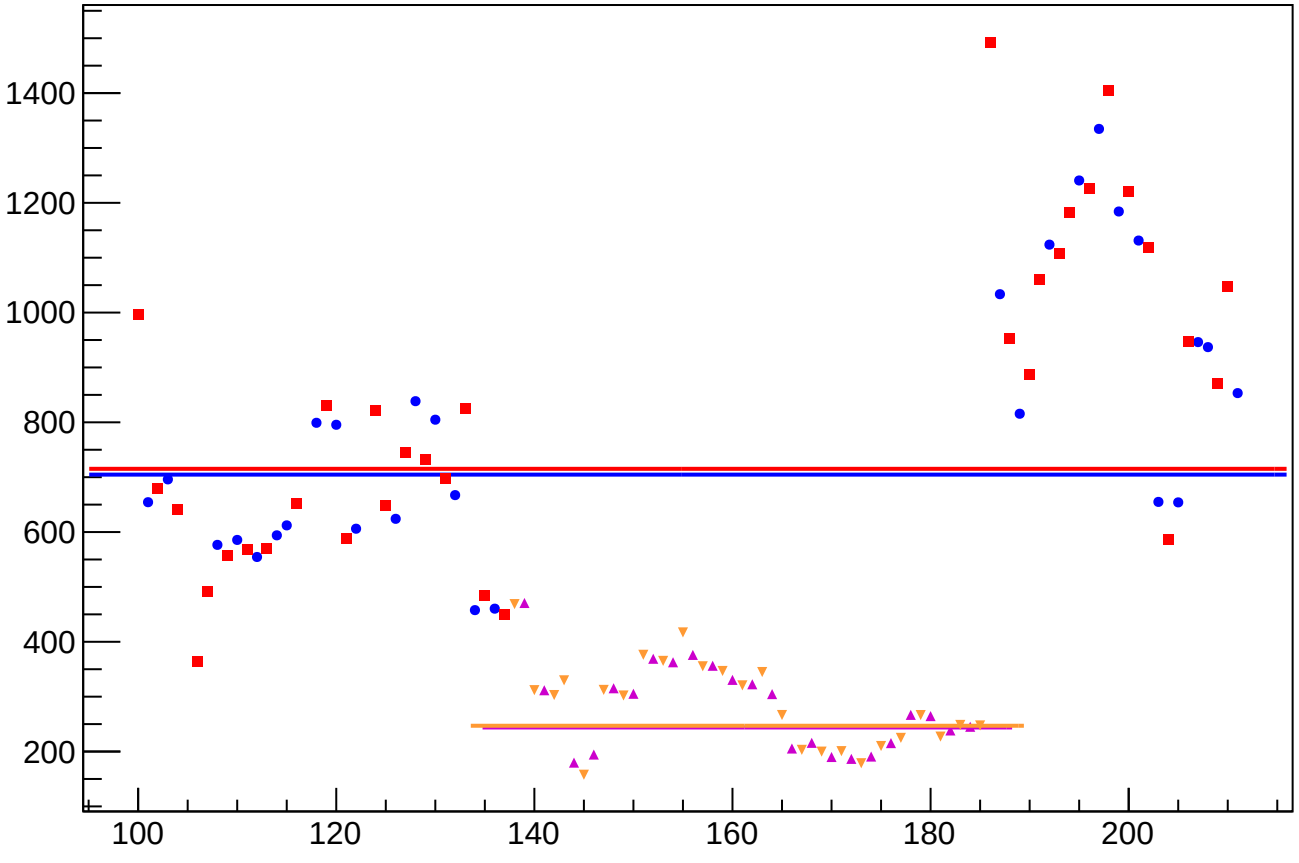
Left In: -23.469+/-59.397 χ^2/NDF:24.2/22

+ sign -283.271+/-55.692 χ^2/NDF: 107.5/52

All: -183.100+/-39.615 χ^2/NDF: 182.3/108

- sign -80.503+/-56.363 χ^2/NDF: 68.2/55

asym_sam_37_dd_dit_correction_rms vs Slug



Right In: 704.677+/-0.129 χ^2/NDF: 2810011.7/27

Left Out: 246.995+/-0.041 χ^2/NDF:2925691.6/24

Right Out: 715.251+/-0.126 χ^2/NDF: 3895809.8/32

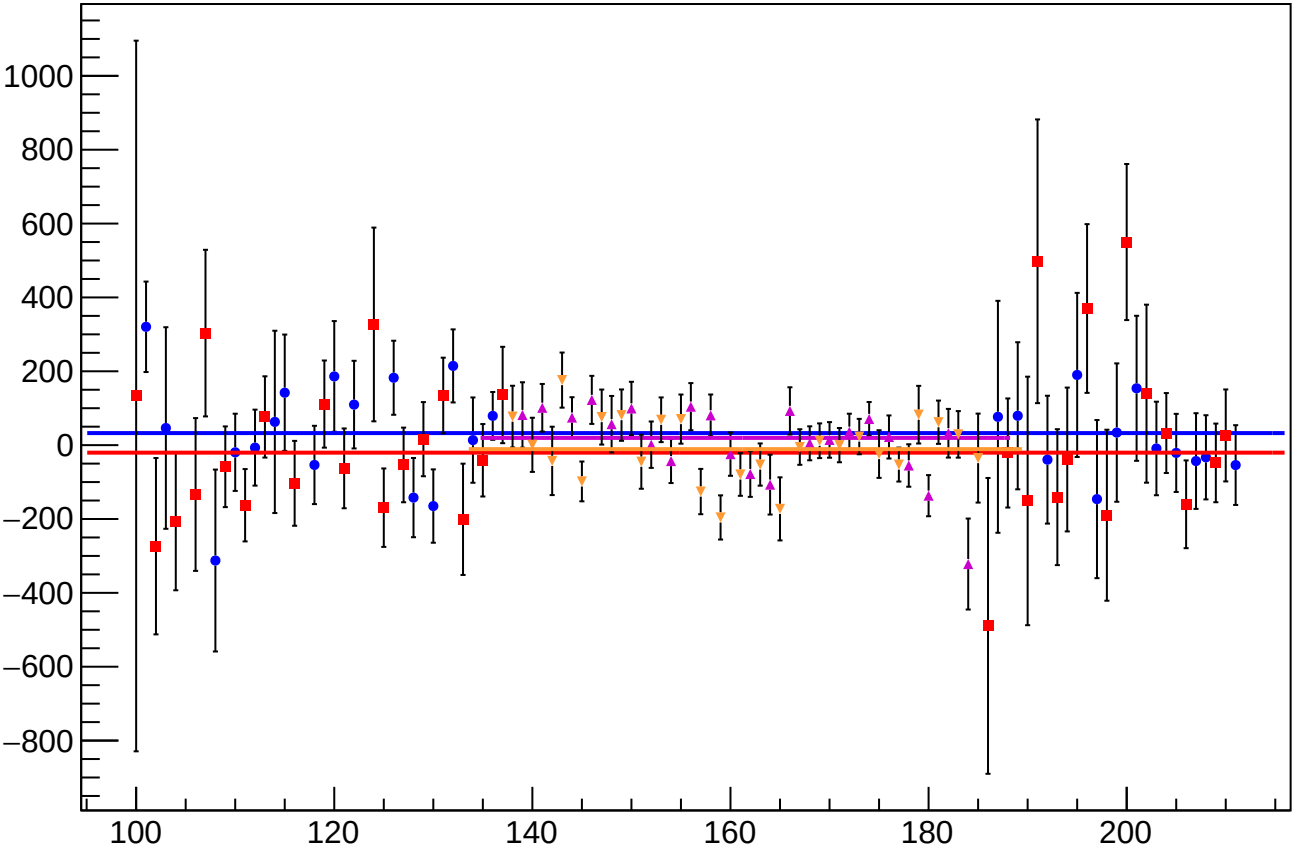
Left In: 243.825+/-0.042 χ^2/NDF:2490545.8/22

+ sign 289.889+/-0.039 χ^2/NDF: 17208393.2/52

All: 290.319+/-0.028 χ^2/NDF: 36137948.3/10

- sign 290.758+/-0.040 χ^2/NDF: 18929314.7/55

eigen_dit_asym_sam_37_dd_mean vs Slug



Right In: 32.651+/-23.659 χ^2/NDF: 26.8/27

Left Out: -10.822+/-12.306 χ^2/NDF:40.4/24

Right Out: -20.359+/-24.209 χ^2/NDF: 35.4/32

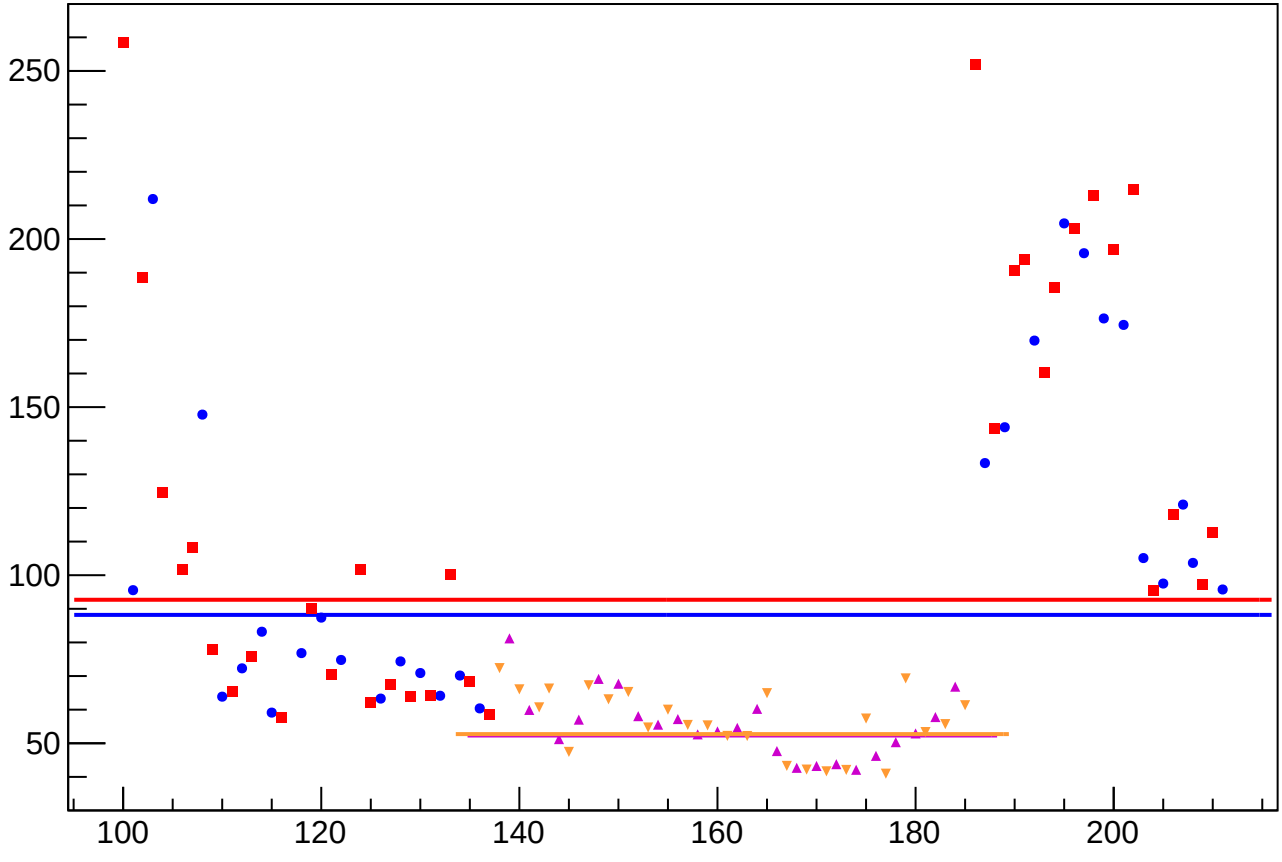
Left In: 19.598+/-12.546 χ^2/NDF:36.8/22

\+ sign -1.565+/-10.918 χ^2/NDF: 69.8/52

All: 4.659+/-7.797 χ^2/NDF: 144.8/108

\- sign 11.138+/-11.139 χ^2/NDF: 74.3/55

eigen_dit_asym_sam_37_dd_rms vs Slug



Right In: 88.192+/-0.017 χ^2/NDF: 4314444.0/27

Left Out: 52.731+/-0.009 χ^2/NDF:1167223.2/24

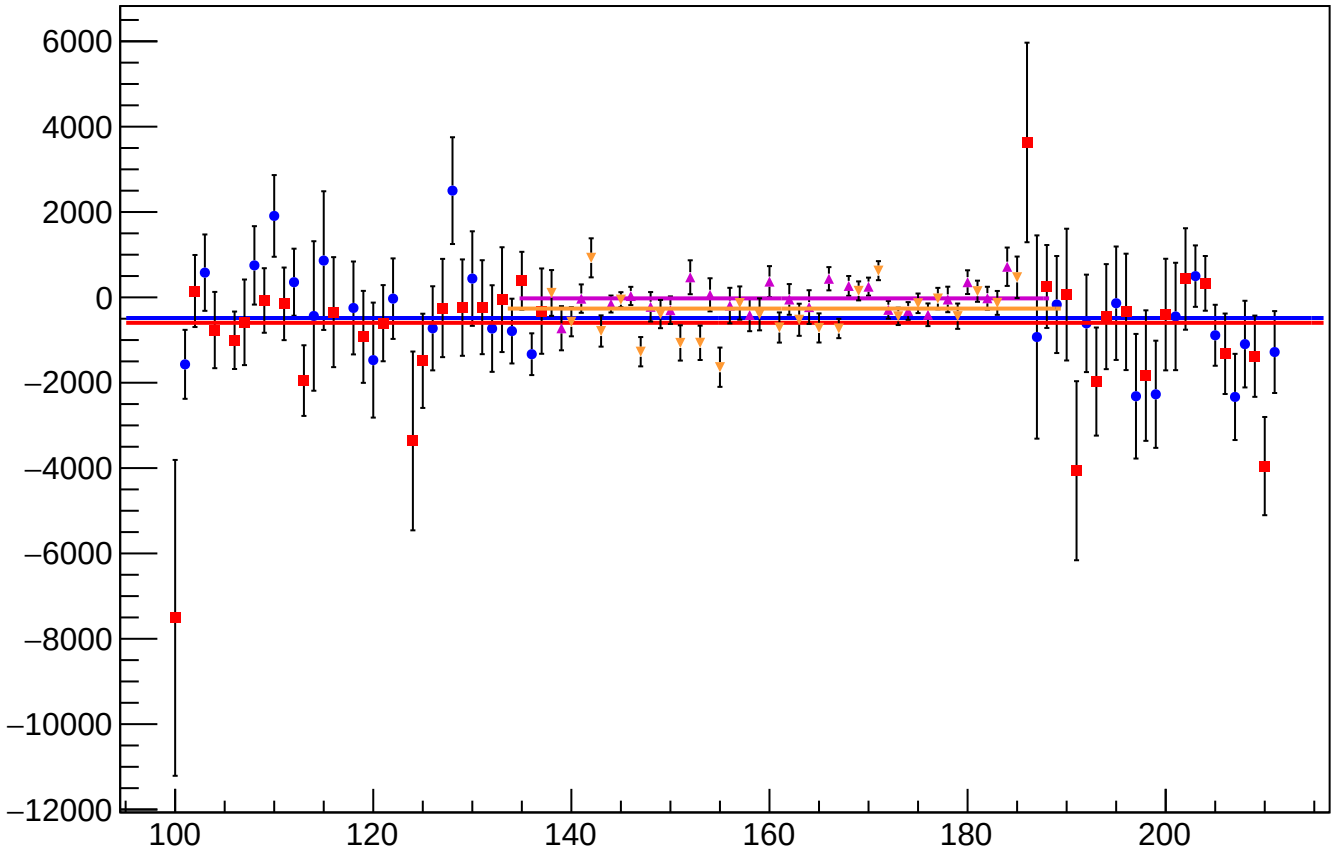
Right Out: 92.694+/-0.017 χ^2/NDF: 5586046.9/32

Left In: 52.314+/-0.009 χ^2/NDF:891856.0/22

+ sign 60.282+/-0.008 χ^2/NDF: 9017921.5/52

All: 60.566+/-0.006 χ^2/NDF: 19884924.4/108

- sign 60.863+/-0.008 χ^2/NDF: 10864230.6/55



Right In: -483.345+/-181.918 χ^2/NDF: 34.0/27

Left Out: -262.582+/-58.501 χ^2/NDF:72.2/24

Right Out: -596.347+/-178.631 χ^2/NDF: 34.8/32

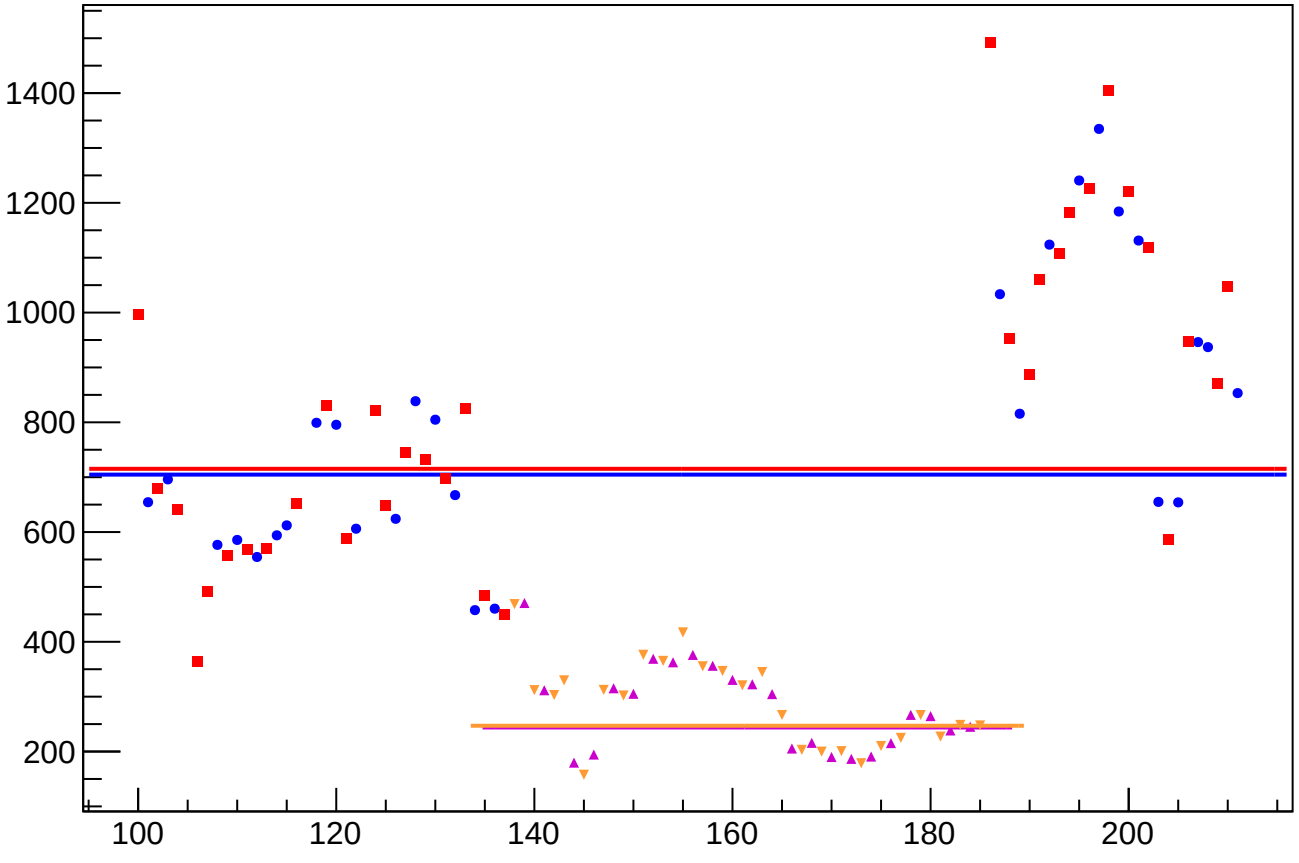
Left In: -23.469+/-59.397 χ^2/NDF:24.2/22

+ sign -283.272+/-55.692 χ^2/NDF: 107.5/52

All: -183.100+/-39.615 χ^2/NDF: 182.3/108

- sign -80.502+/-56.362 χ^2/NDF: 68.2/55

asym_sam_37_dd_eigen_dit_correction_rms vs Slug



Right In: 704.677+/-0.129 χ^2/NDF: 2809998.4/27

Left Out: 246.995+/-0.041 χ^2/NDF:2925680.1/24

Right Out: 715.250+/-0.126 χ^2/NDF: 3895801.9/32

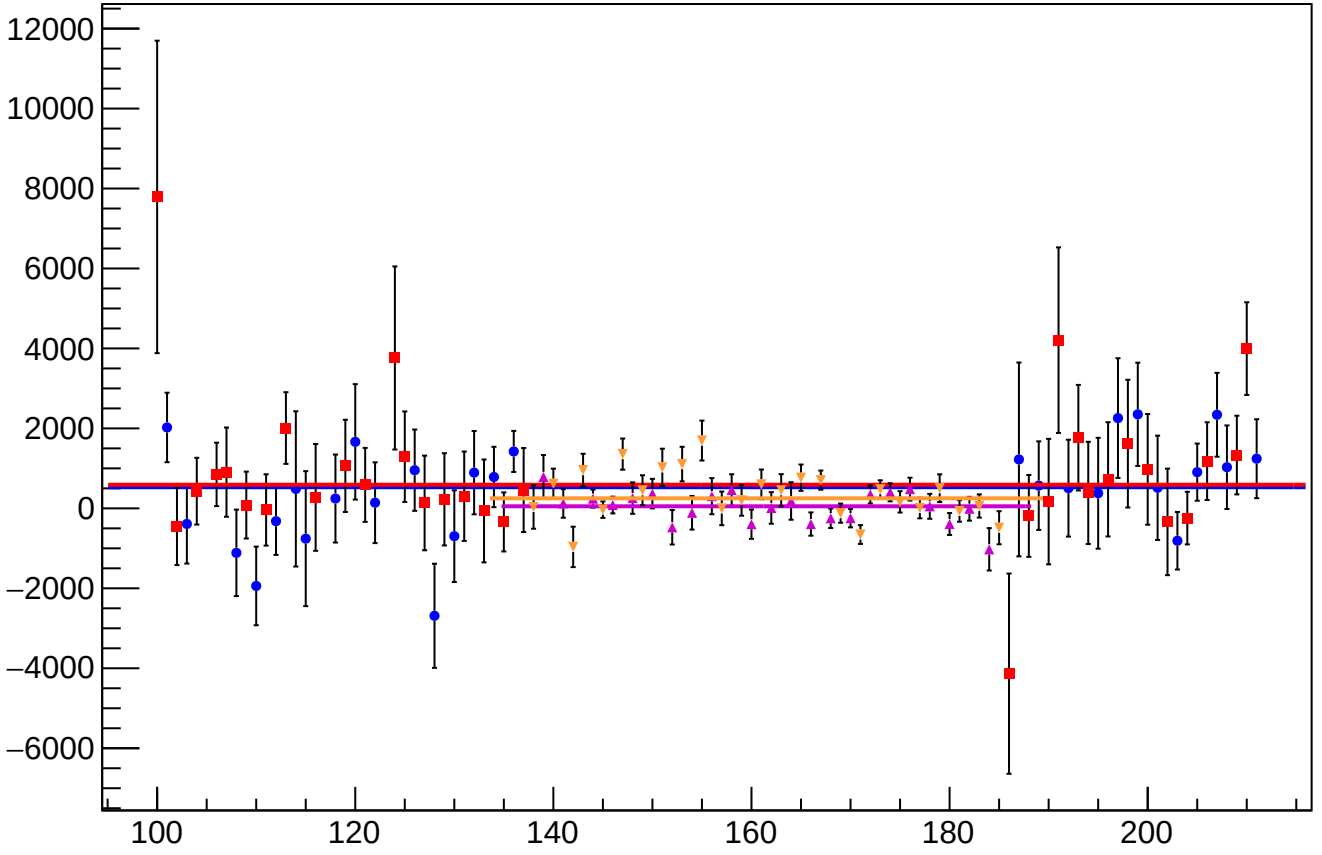
Left In: 243.825+/-0.042 χ^2/NDF:2490539.0/22

+ sign 289.889+/-0.039 χ^2/NDF: 17208383.8/52

All: 290.318+/-0.028 χ^2/NDF: 36137932.6/10

- sign 290.758+/-0.040 χ^2/NDF: 18929308.3/55

asym_sam_37_dd_mean vs Slug



Right In: 529.495+/-189.412 χ^2/NDF: 36.4/27

Left Out: 251.109+/-63.424 χ^2/NDF:67.5/24

Right Out: 591.143+/-189.148 χ^2/NDF: 32.5/32

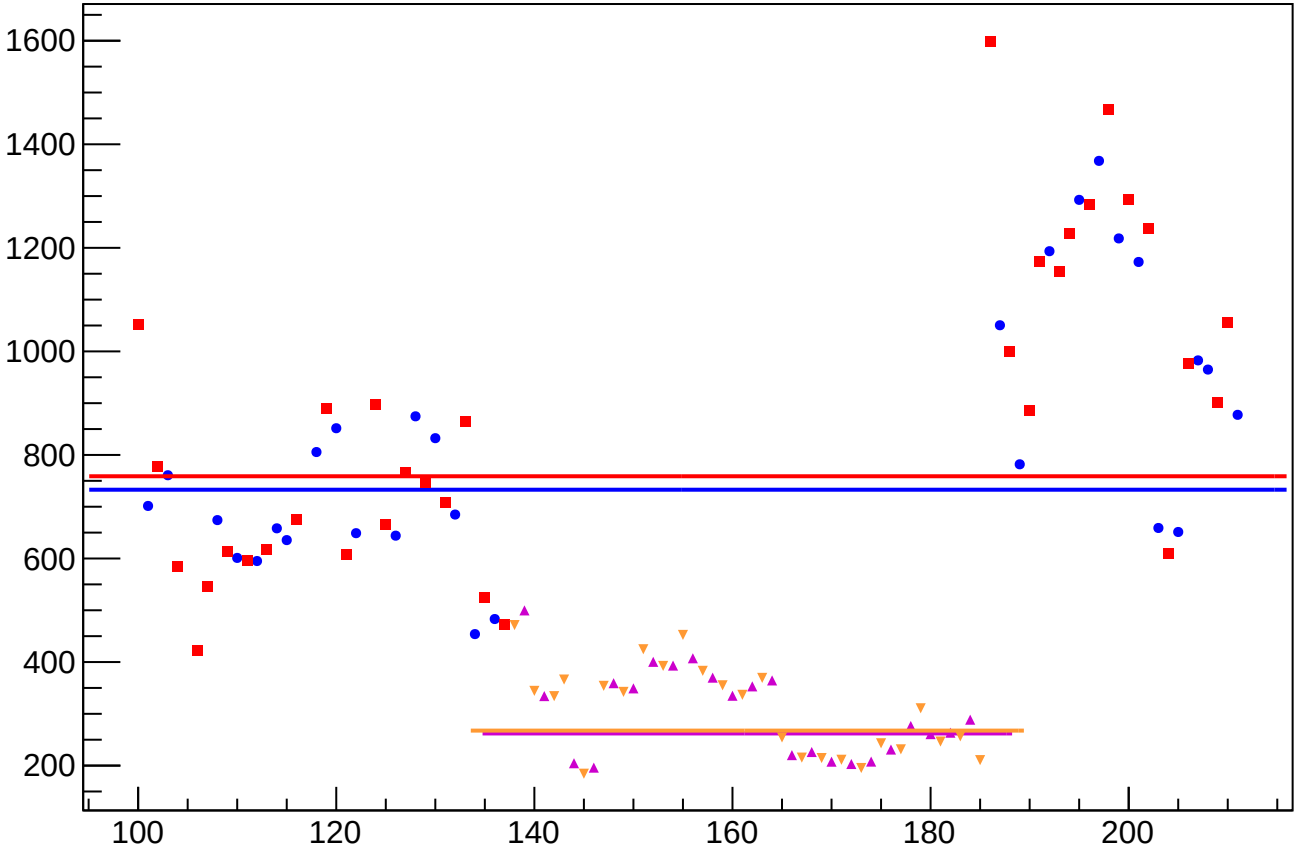
Left In: 51.707+/-63.843 χ^2/NDF:26.8/22

+ sign 279.176+/-60.142 χ^2/NDF: 105.9/52

All: 193.525+/-42.649 χ^2/NDF: 176.6/108

- sign 106.878+/-60.490 χ^2/NDF: 66.6/55

asym_sam_37_dd_rms vs Slug



Right In: 732.839+/-0.134 χ^2/NDF: 2773322.9/27

Left Out: 267.589+/-0.045 χ^2/NDF:2801460.2/24

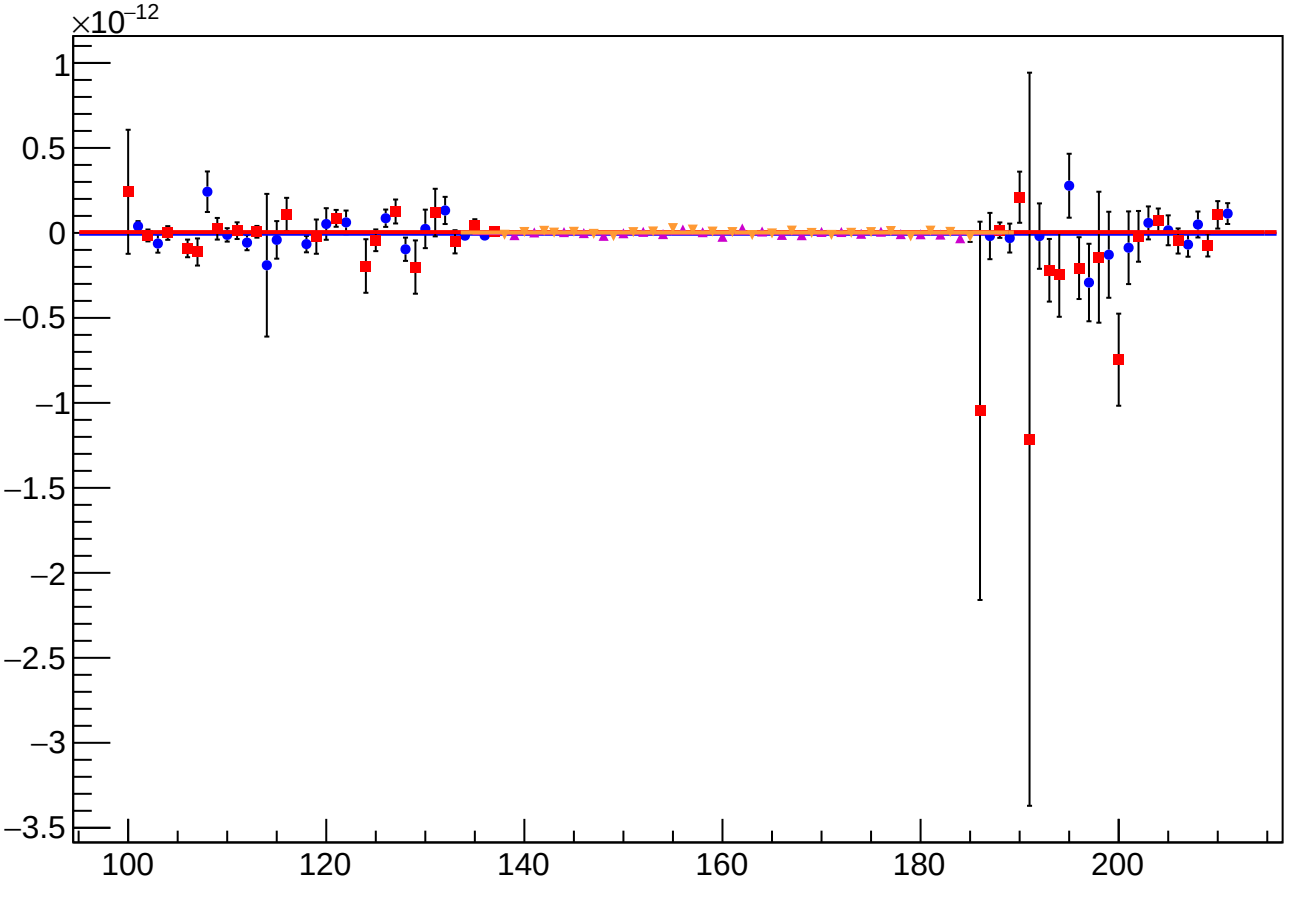
Right Out: 758.832+/-0.134 χ^2/NDF: 3637846.1/32

Left In: 262.092+/-0.045 χ^2/NDF:2537465.8/22

+ sign 314.494+/-0.043 χ^2/NDF: 16424946.2/52

All: 313.700+/-0.030 χ^2/NDF: 34984000.4/10

- sign 312.896+/-0.043 χ^2/NDF: 18558352.2/55



Right In: -0.000+/-0.000 χ^2/NDF: 30.9/27

Left Out: 0.000+/-0.000 χ^2/NDF:15.2/24

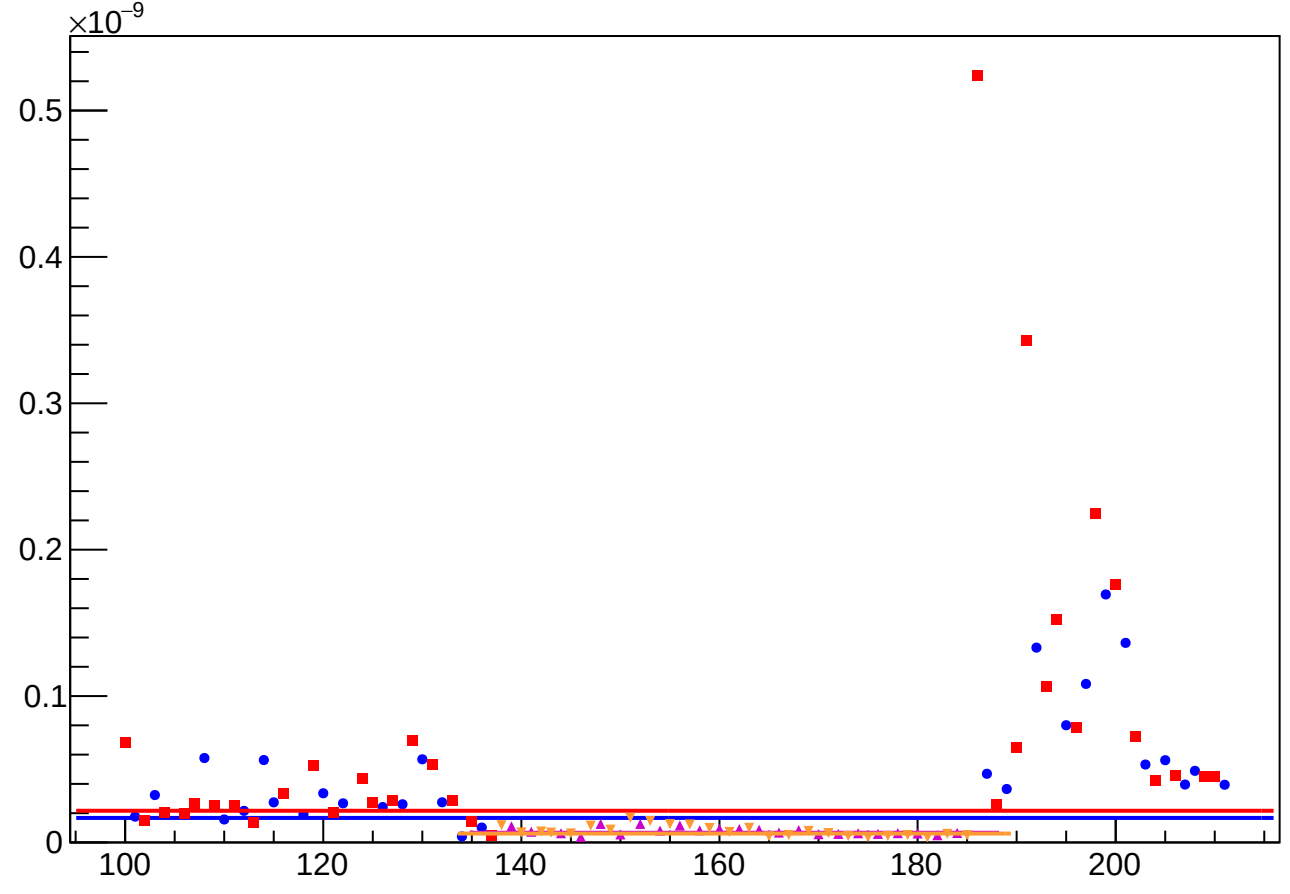
Right Out: 0.000+/-0.000 χ^2/NDF: 39.1/32

Left In: -0.000+/-0.000 χ^2/NDF:12.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 46.8/52

All: 0.000+/-0.000 χ^2/NDF: 99.2/108

- sign -0.000+/-0.000 χ^2/NDF: 51.7/55



Right In: 0.000+/-0.000 χ^2/NDF: 6735481.7/27

Left Out: 0.000+/-0.000 χ^2/NDF:2413933.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5976329.1/32

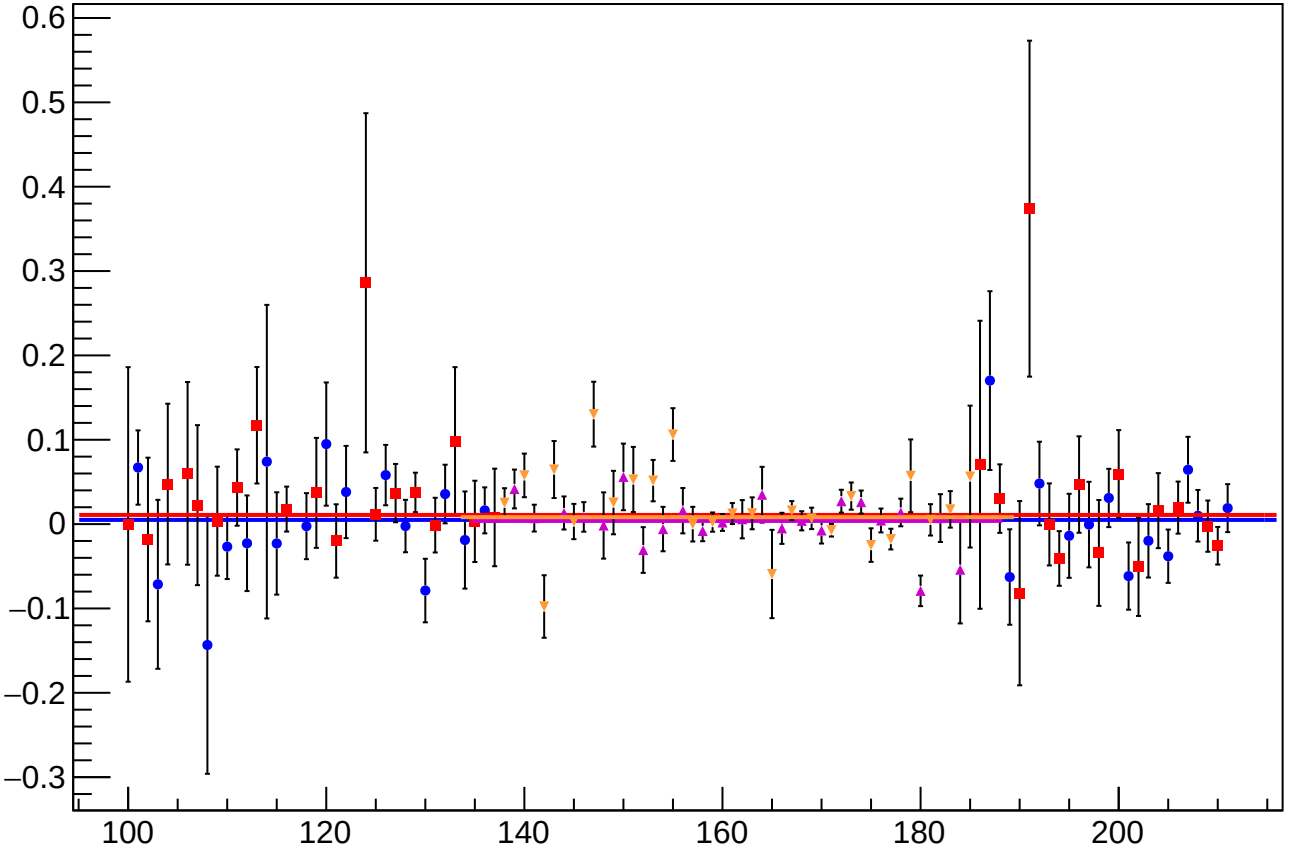
Left In: 0.000+/-0.000 χ^2/NDF:1176996.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 11813113.4/52

All: 0.000+/-0.000 χ^2/NDF: 22839485.3/108

- sign 0.000+/-0.000 χ^2/NDF: 10945078.3/55

asym_sam_37_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.005+/-0.008 χ^2/NDF: 27.9/27

Left Out: 0.008+/-0.003 χ^2/NDF:58.8/24

Right Out: 0.011+/-0.008 χ^2/NDF: 21.8/32

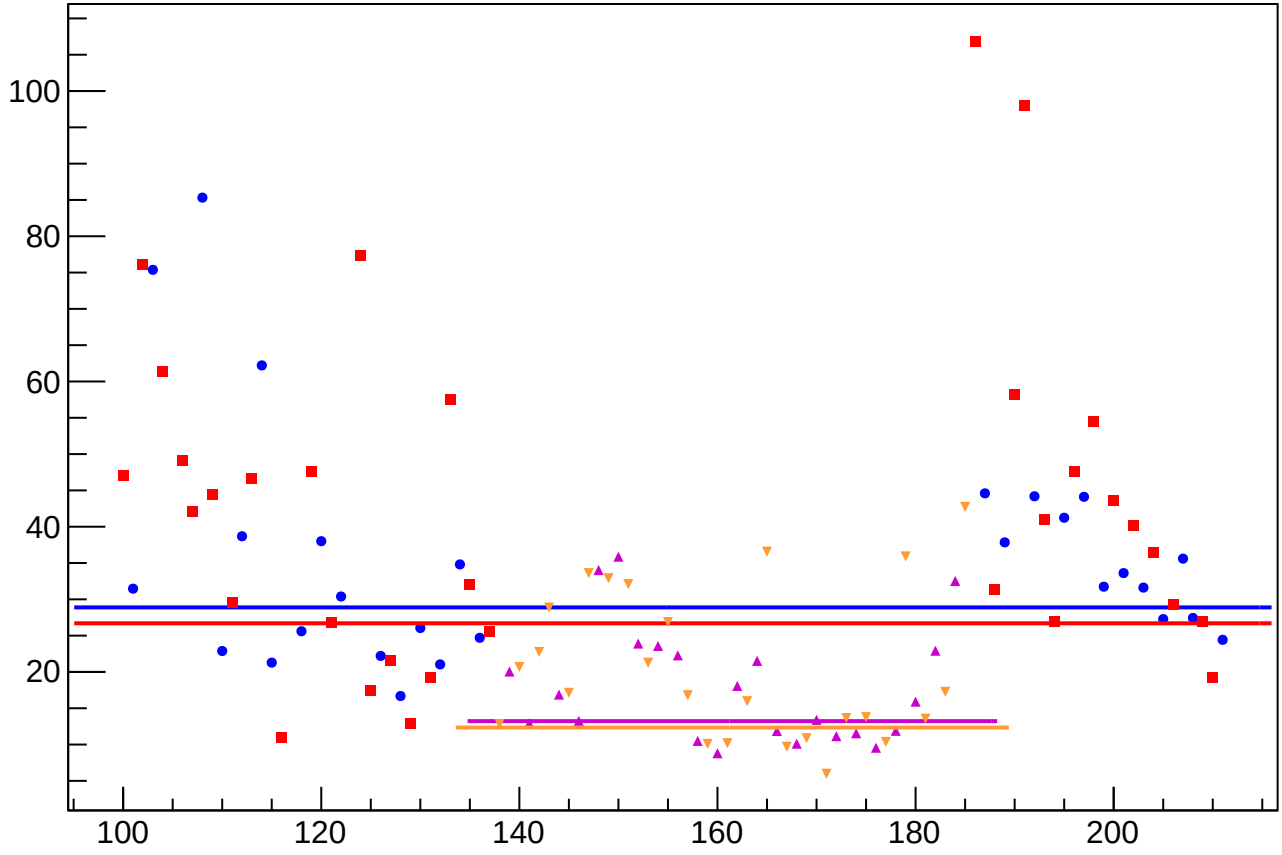
Left In: 0.004+/-0.004 χ^2/NDF:37.2/22

+ sign 0.008+/-0.003 χ^2/NDF: 86.9/52

All: 0.006+/-0.002 χ^2/NDF: 146.9/108

- sign 0.005+/-0.003 χ^2/NDF: 59.7/55

asym_sam_37_dd_dit_vs_cor_diff_rms vs Slug



Right In: 28.887+/-0.006 χ^2/NDF: 2277265.6/27

Left Out: 12.343+/-0.002 χ^2/NDF:6743594.0/24

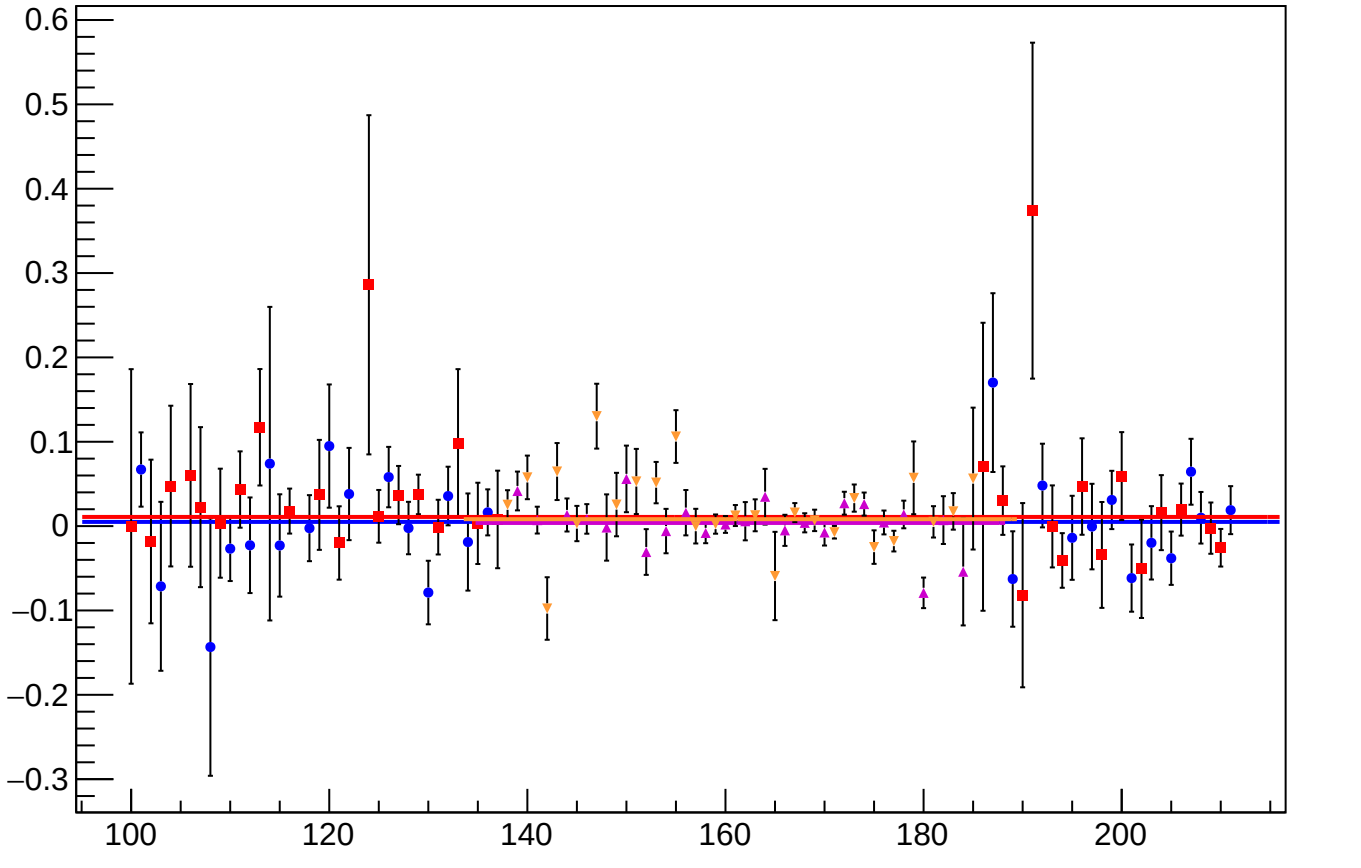
Right Out: 26.698+/-0.005 χ^2/NDF: 5965512.4/32

Left In: 13.225+/-0.003 χ^2/NDF:3870352.4/22

+ sign 14.949+/-0.002 χ^2/NDF: 16249419.6/52

All: 15.313+/-0.002 χ^2/NDF: 31196065.5/108

- sign 15.702+/-0.002 χ^2/NDF: 14892157.3/55



Right In: 0.005+/-0.008 χ^2/NDF: 27.9/27

Left Out: 0.008+/-0.003 χ^2/NDF:58.8/24

Right Out: 0.011+/-0.008 χ^2/NDF: 21.8/32

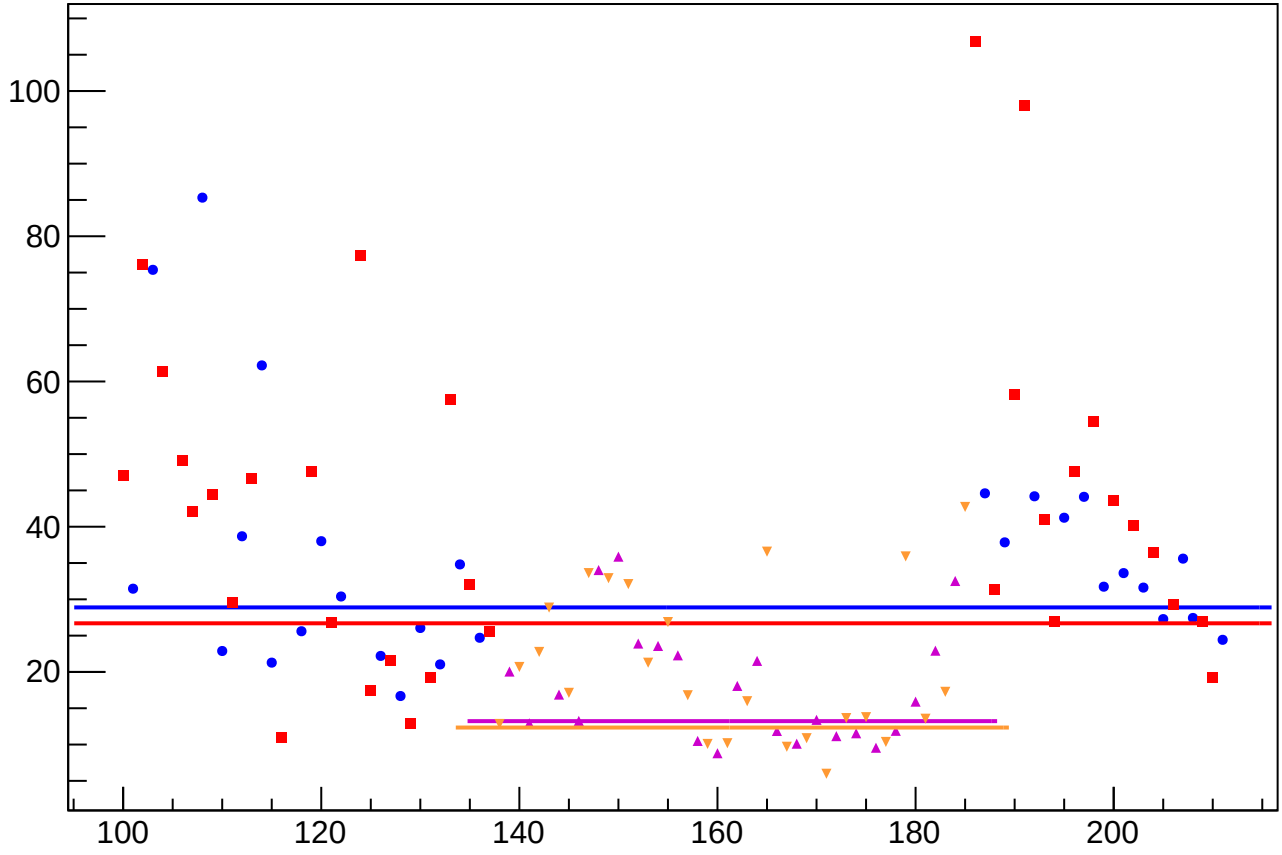
Left In: 0.004+/-0.004 χ^2/NDF:37.2/22

+ sign 0.008+/-0.003 χ^2/NDF: 86.9/52

All: 0.006+/-0.002 χ^2/NDF: 146.9/108

- sign 0.005+/-0.003 χ^2/NDF: 59.7/55

asym_sam_37_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 28.887+/-0.006 χ^2/NDF: 2277265.6/27

Left Out: 12.343+/-0.002 χ^2/NDF:6743594.0/24

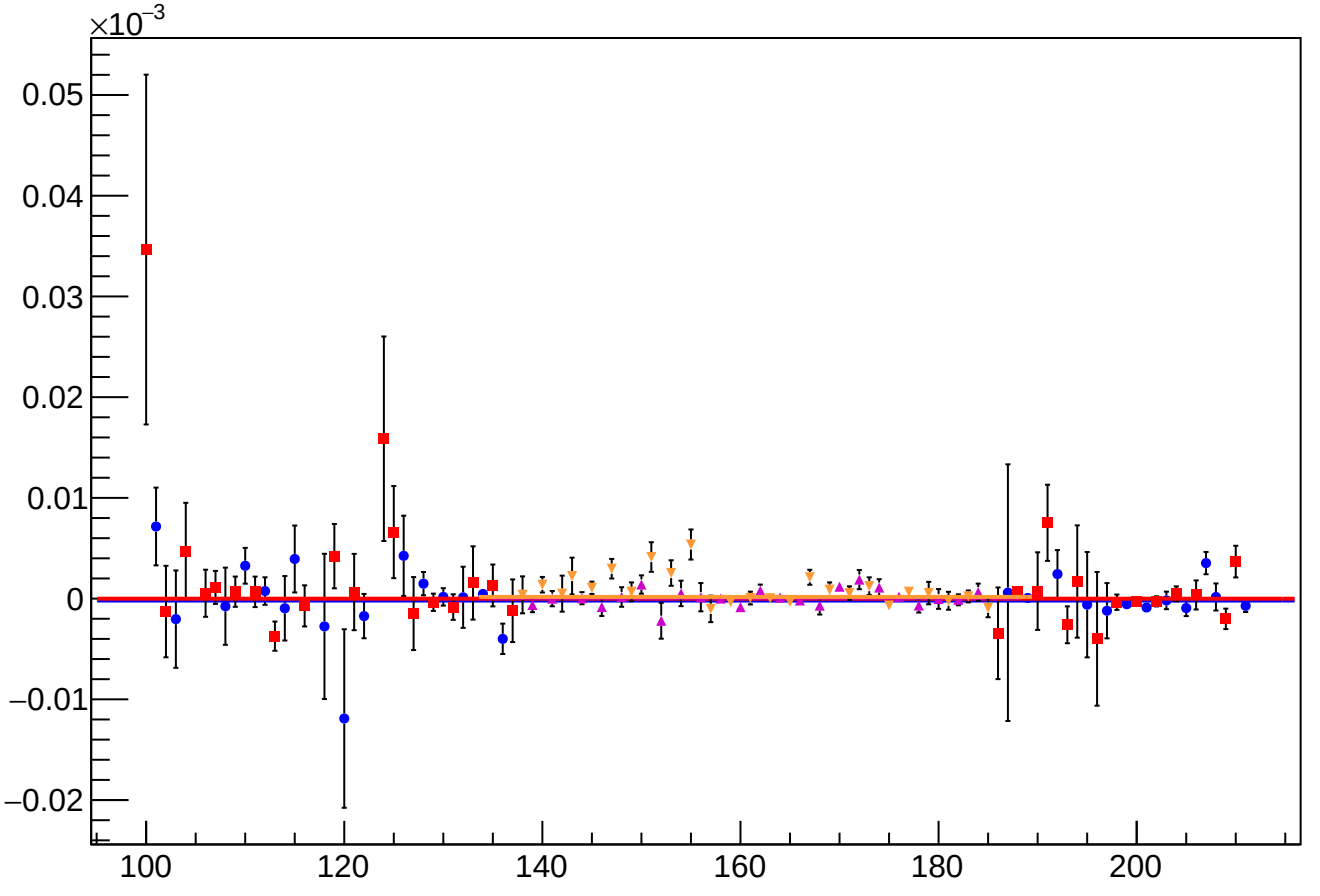
Right Out: 26.698+/-0.005 χ^2/NDF: 5965512.4/32

Left In: 13.225+/-0.003 χ^2/NDF:3870352.4/22

+ sign 14.949+/-0.002 χ^2/NDF: 16249419.6/52

All: 15.313+/-0.002 χ^2/NDF: 31196065.5/108

- sign 15.702+/-0.002 χ^2/NDF: 14892157.3/55



Right In: -0.000+/-0.000 χ^2/NDF: 42.5/27

Left Out: 0.000+/-0.000 χ^2/NDF:61.5/24

Right Out: -0.000+/-0.000 χ^2/NDF: 40.7/32

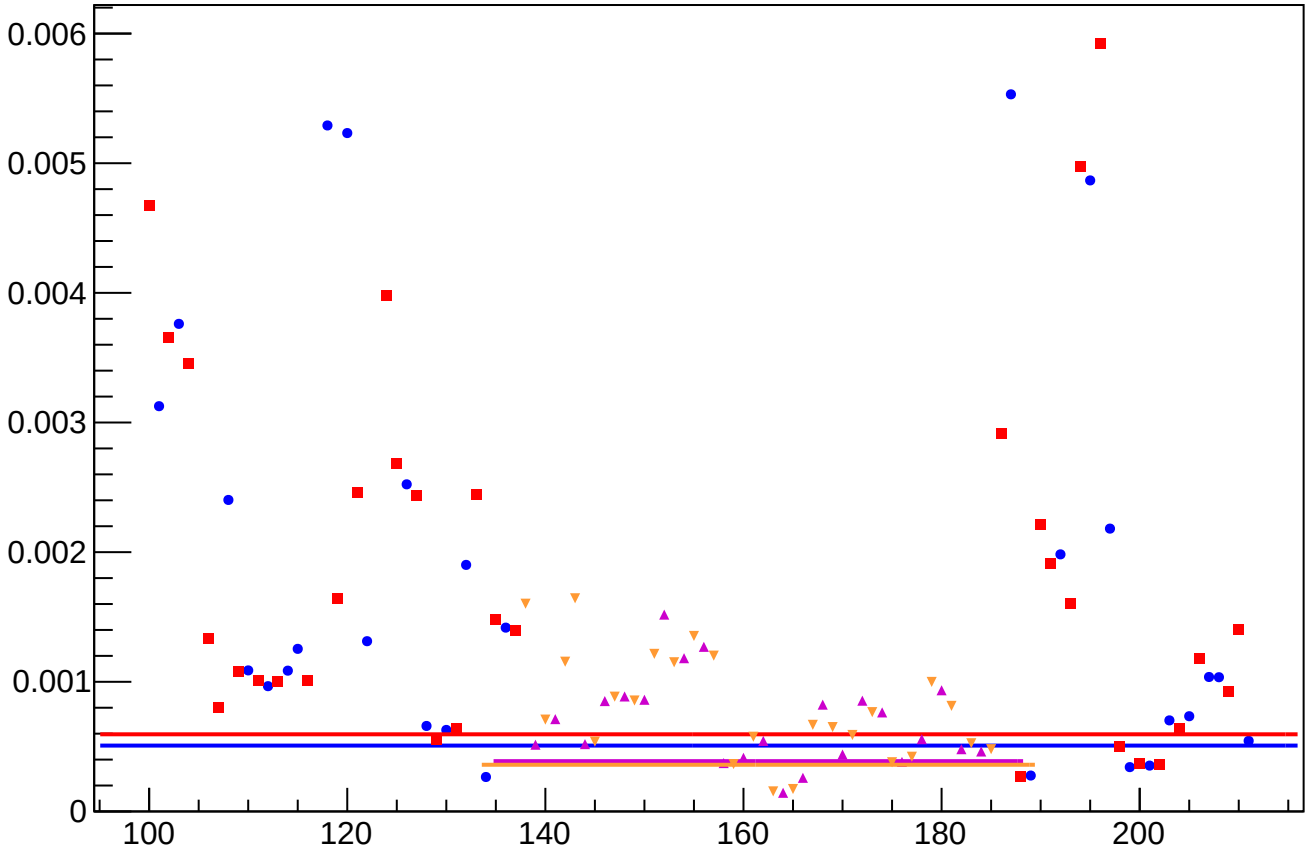
Left In: 0.000+/-0.000 χ^2/NDF:24.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 107.2/52

All: 0.000+/-0.000 χ^2/NDF: 172.6/108

- sign 0.000+/-0.000 χ^2/NDF: 65.3/55

asym_sam_37_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 12342548.5/27

Left Out: 0.000+/-0.000 χ^2/NDF:14019628.7/24

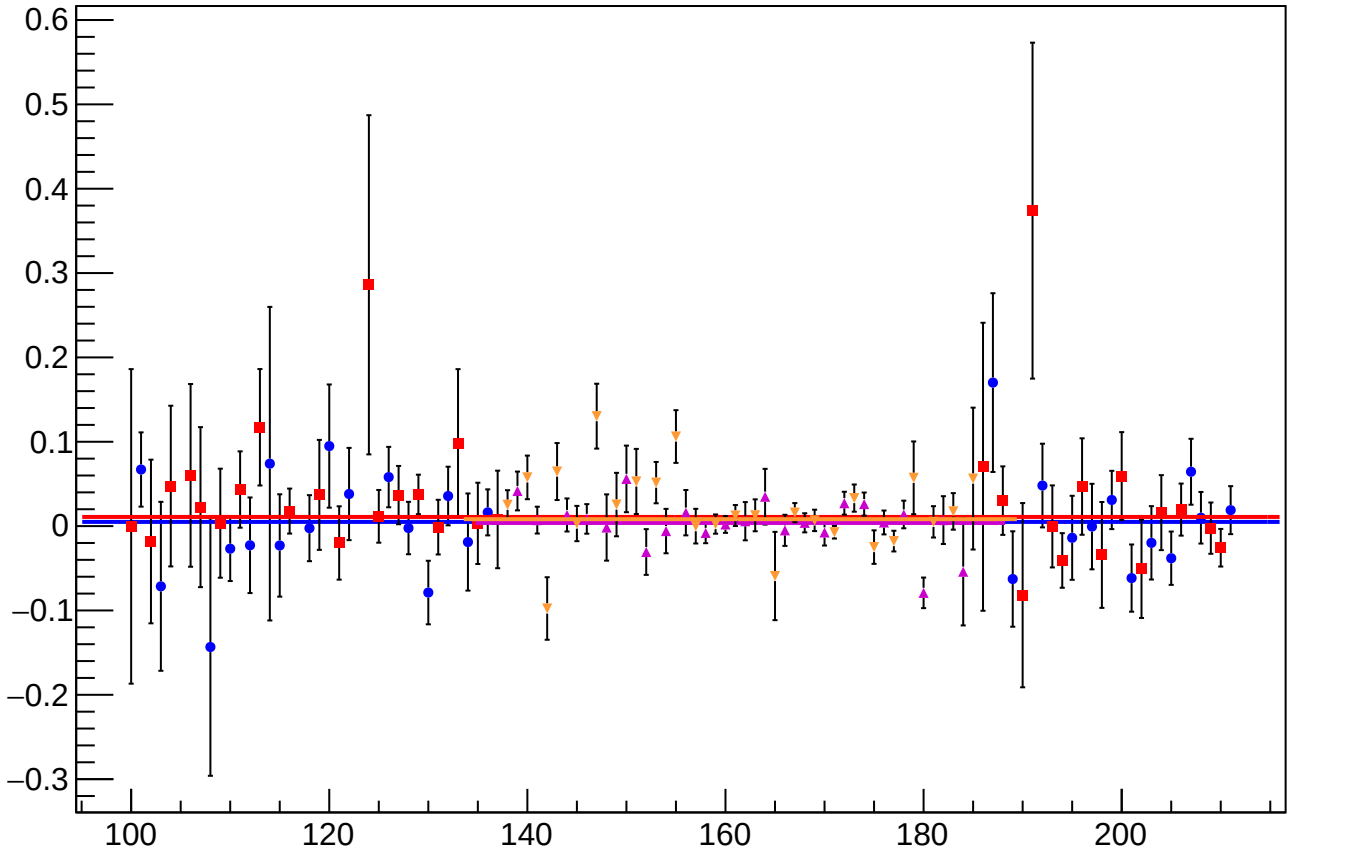
Right Out: 0.001+/-0.000 χ^2/NDF: 12821650.1/32

Left In: 0.000+/-0.000 χ^2/NDF:10459340.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 27454772.2/52

All: 0.000+/-0.000 χ^2/NDF: 52571014.2/108

- sign 0.000+/-0.000 χ^2/NDF: 24950080.6/55



Right In: 0.005+/-0.008 χ^2/NDF: 27.9/27

Left Out: 0.008+/-0.003 χ^2/NDF:58.8/24

Right Out: 0.011+/-0.008 χ^2/NDF: 21.8/32

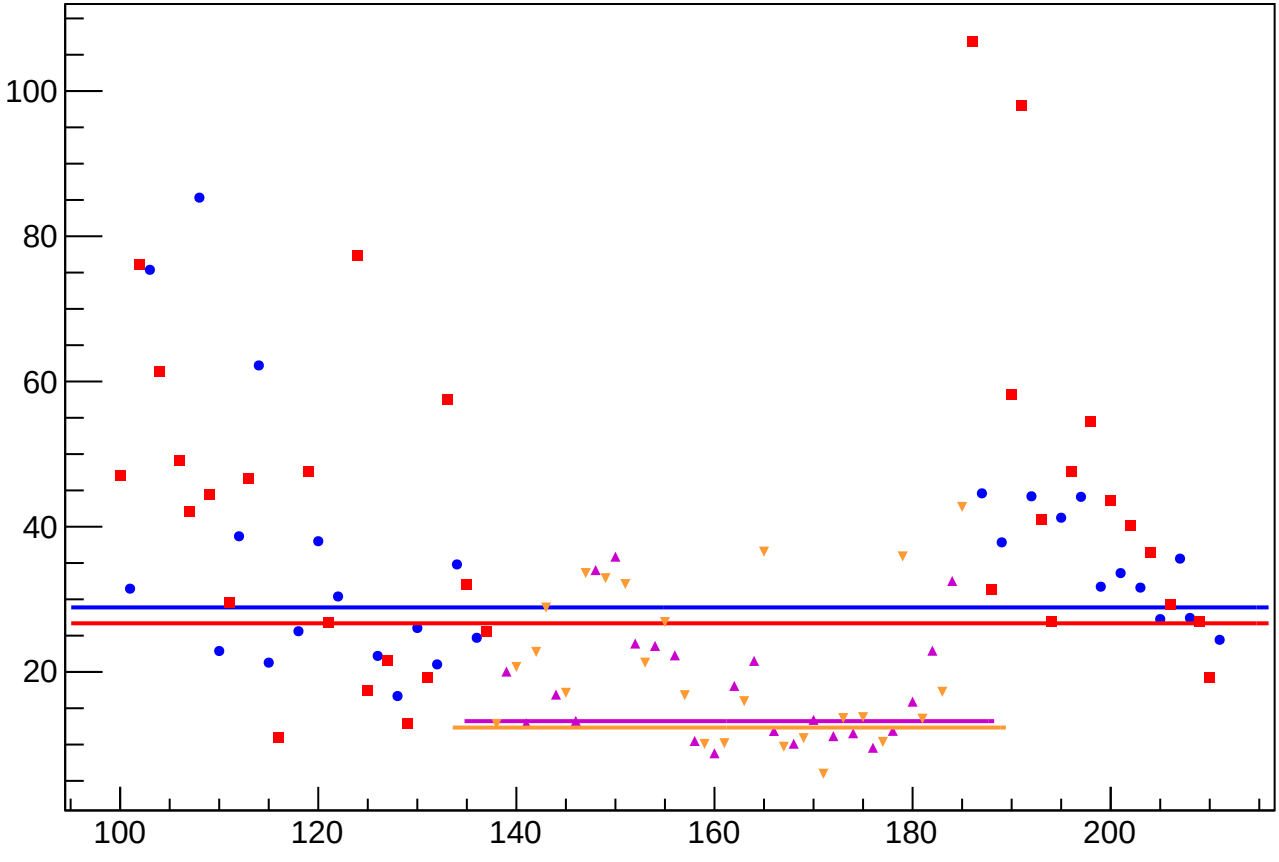
Left In: 0.004+/-0.004 χ^2/NDF:37.2/22

+ sign 0.008+/-0.003 χ^2/NDF: 86.9/52

All: 0.006+/-0.002 χ^2/NDF: 146.9/108

- sign 0.005+/-0.003 χ^2/NDF: 59.7/55

asym_sam_37_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 28.887+/-0.006 χ^2/NDF: 2277195.6/27

Left Out: 12.343+/-0.002 χ^2/NDF:6743823.4/24

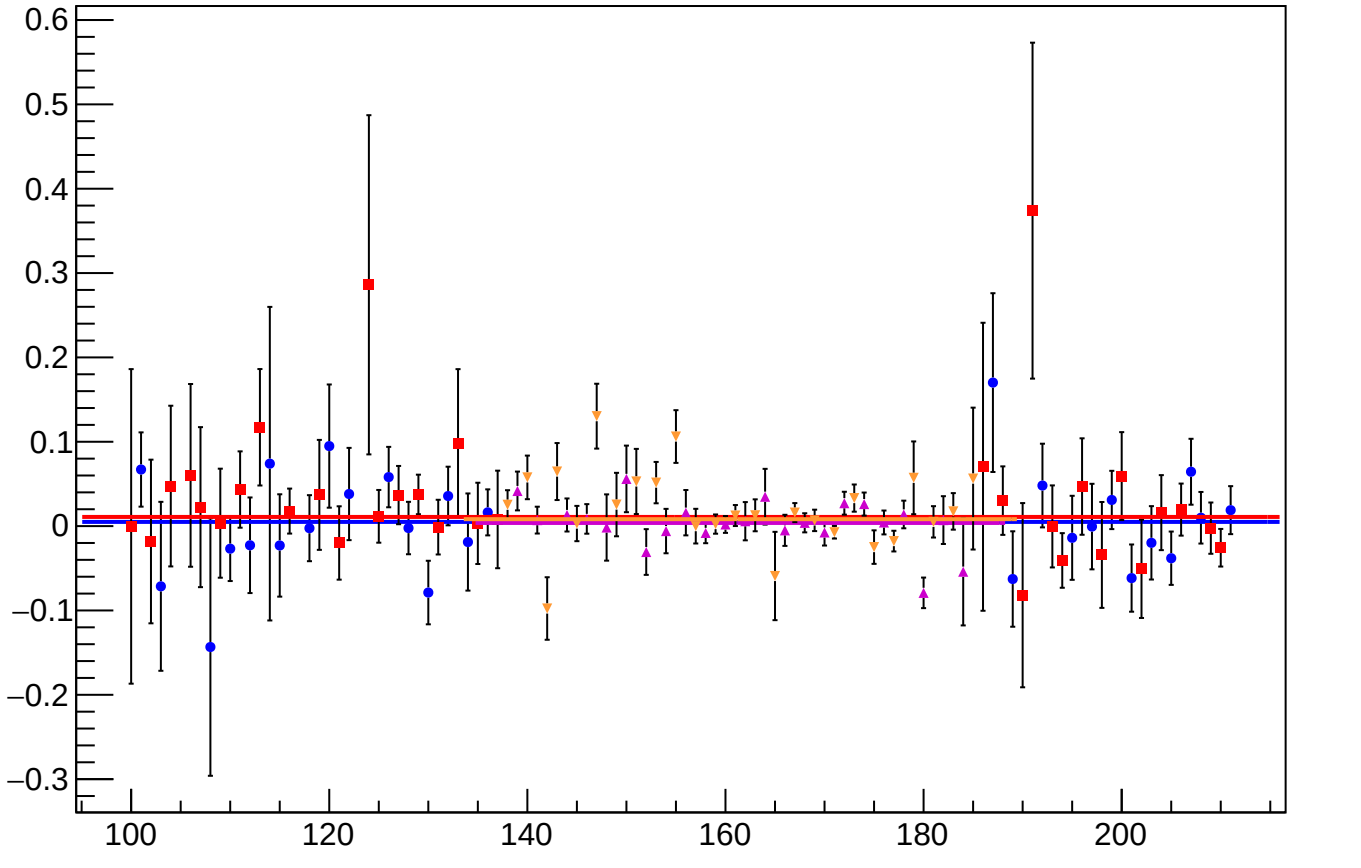
Right Out: 26.699+/-0.005 χ^2/NDF: 5965213.4/32

Left In: 13.225+/-0.003 χ^2/NDF:3870507.9/22

+ sign 14.949+/-0.002 χ^2/NDF: 16249651.9/52

All: 15.313+/-0.002 χ^2/NDF: 31196366.5/108

- sign 15.703+/-0.002 χ^2/NDF: 14892229.4/55



Right In: 0.005+/-0.008 χ^2/NDF: 27.9/27

Left Out: 0.008+/-0.003 χ^2/NDF:58.8/24

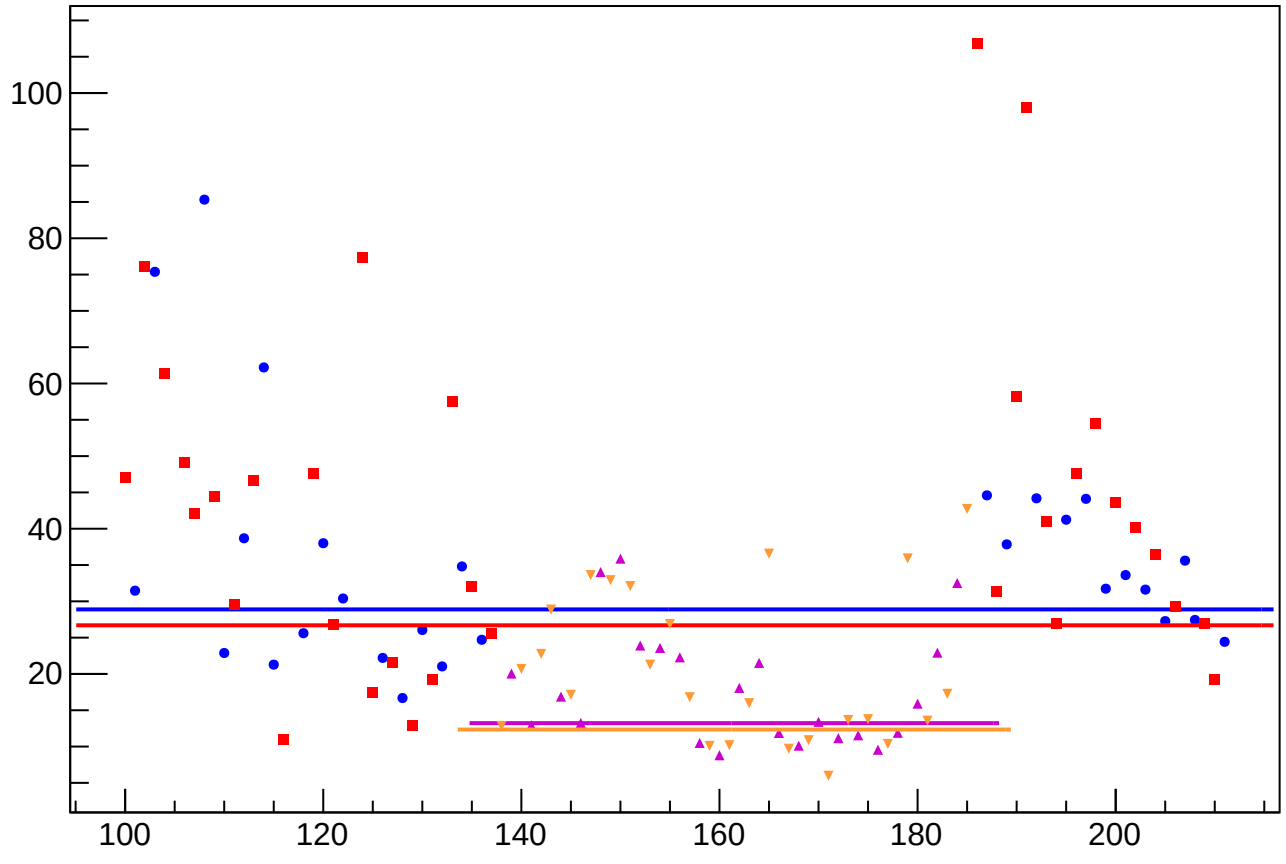
Right Out: 0.011+/-0.008 χ^2/NDF: 21.8/32

Left In: 0.004+/-0.004 χ^2/NDF:37.2/22

+ sign 0.008+/-0.003 χ^2/NDF: 86.9/52

All: 0.006+/-0.002 χ^2/NDF: 146.9/108

- sign 0.005+/-0.003 χ^2/NDF: 59.7/55



Right In: 28.887+/-0.006 χ^2/NDF: 2277195.6/27

Left Out: 12.343+/-0.002 χ^2/NDF:6743823.4/24

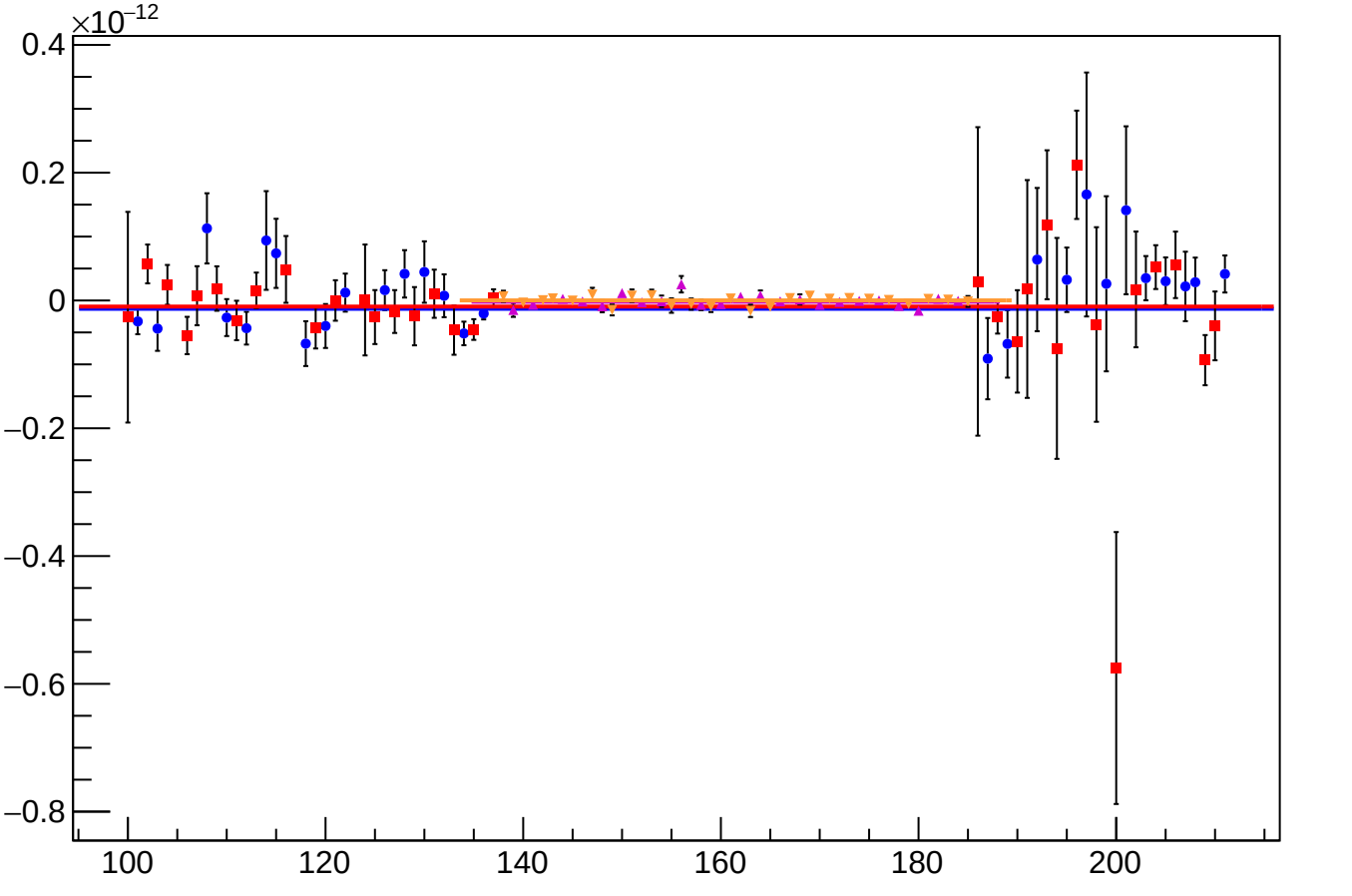
Right Out: 26.699+/-0.005 χ^2/NDF: 5965213.4/32

Left In: 13.225+/-0.003 χ^2/NDF:3870507.9/22

+ sign 14.949+/-0.002 χ^2/NDF: 16249651.9/52

All: 15.313+/-0.002 χ^2/NDF: 31196366.5/108

- sign 15.703+/-0.002 χ^2/NDF: 14892229.4/55



Right In: -0.000+/-0.000 χ^2/NDF: 41.3/27

Left Out: 0.000+/-0.000 χ^2/NDF:21.5/24

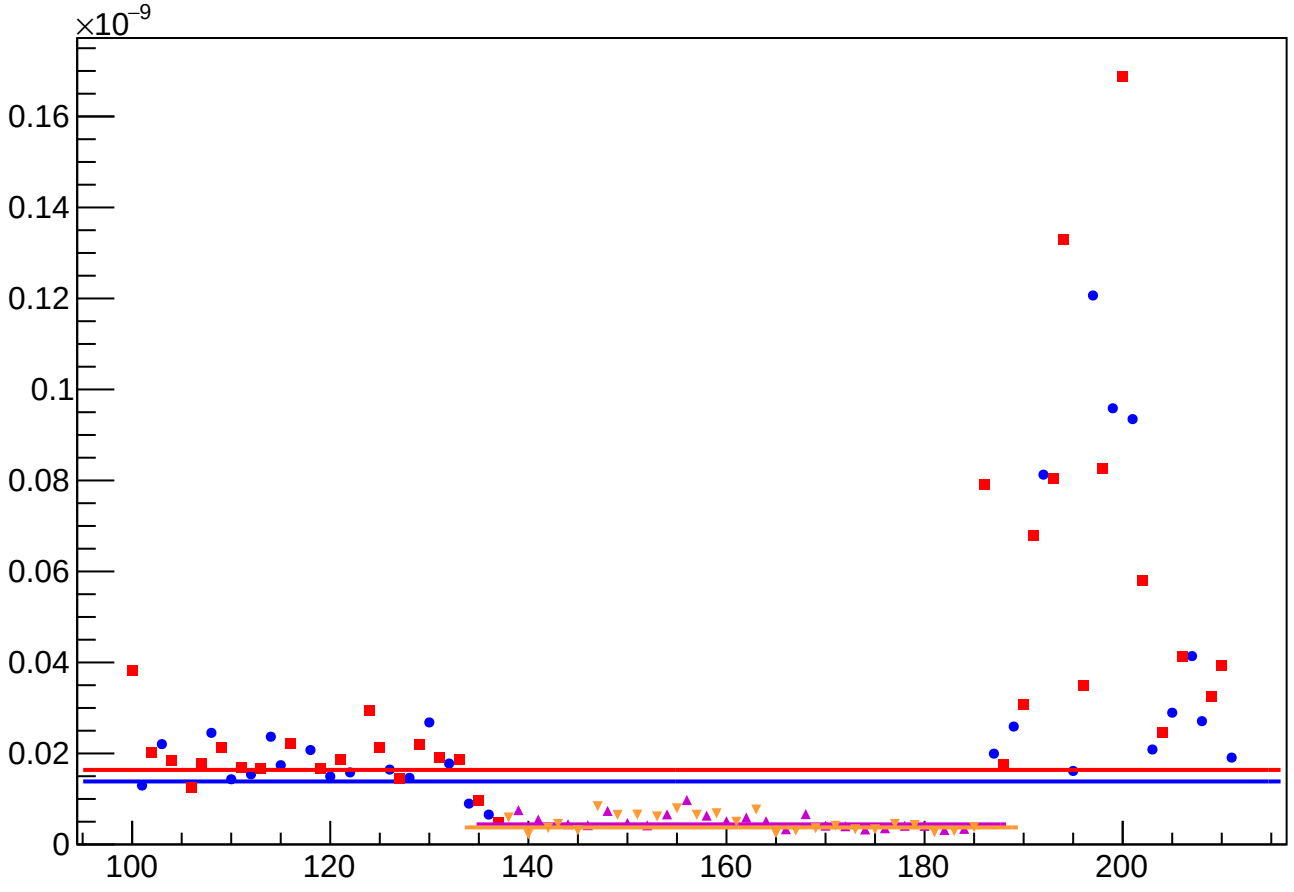
Right Out: -0.000+/-0.000 χ^2/NDF: 46.4/32

Left In: -0.000+/-0.000 χ^2/NDF:25.4/22

+ sign -0.000+/-0.000 χ^2/NDF: 68.2/52

All: -0.000+/-0.000 χ^2/NDF: 142.6/108

- sign -0.000+/-0.000 χ^2/NDF: 73.2/55



Right In: 0.000+/-0.000 χ^2/NDF: 6061075.9/27

Left Out: 0.000+/-0.000 χ^2/NDF:3083424.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7144266.1/32

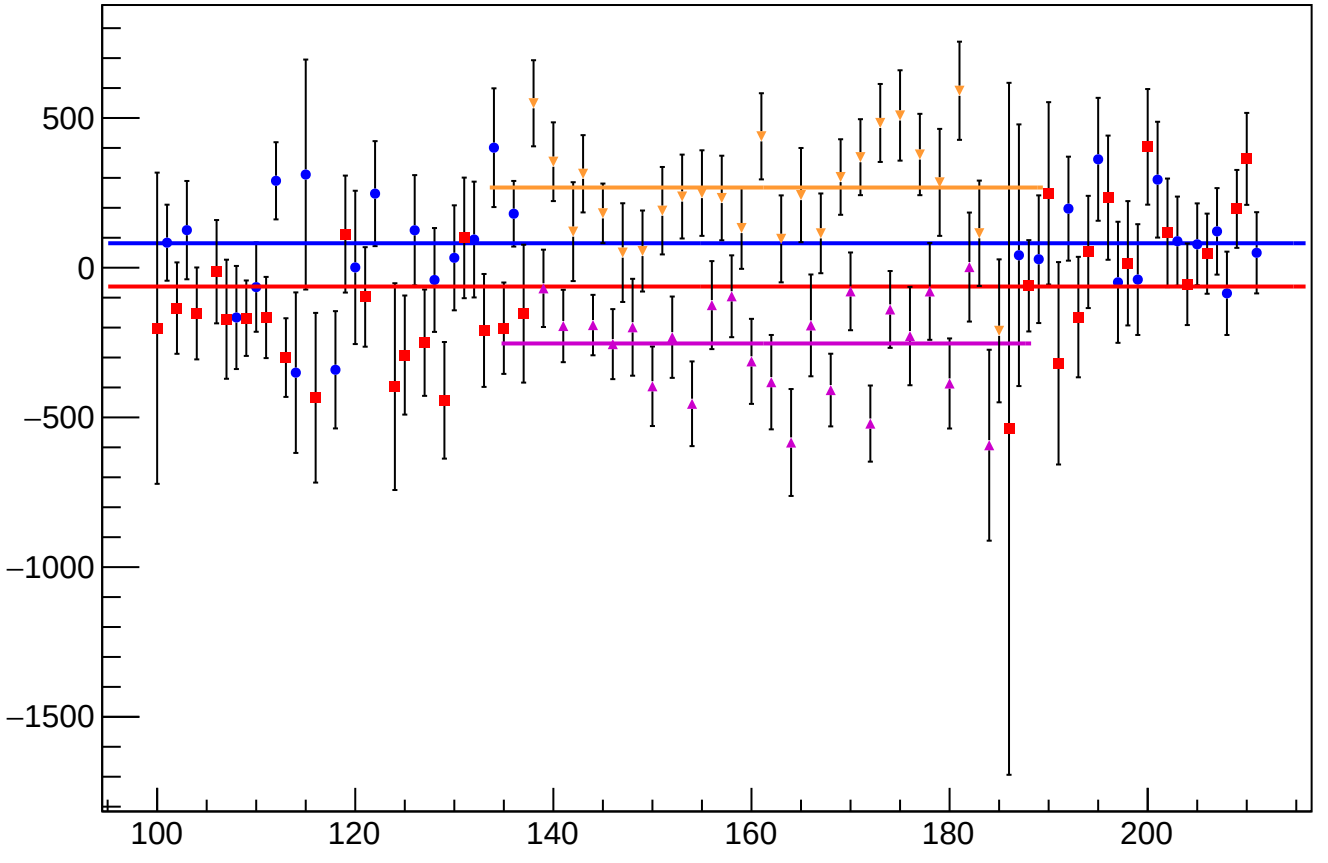
Left In: 0.000+/-0.000 χ^2/NDF:1736522.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 15490083.7/52

All: 0.000+/-0.000 χ^2/NDF: 31935568.4/108

- sign 0.000+/-0.000 χ^2/NDF: 16046083.5/55

reg_asym_sam_48_dd_mean vs Slug



Right In: 81.664+/-31.938 χ^2/NDF: 24.4/27

Left Out: 267.782+/-28.407 χ^2/NDF:31.0/24

Right Out: -62.870+/-31.071 χ^2/NDF: 41.3/32

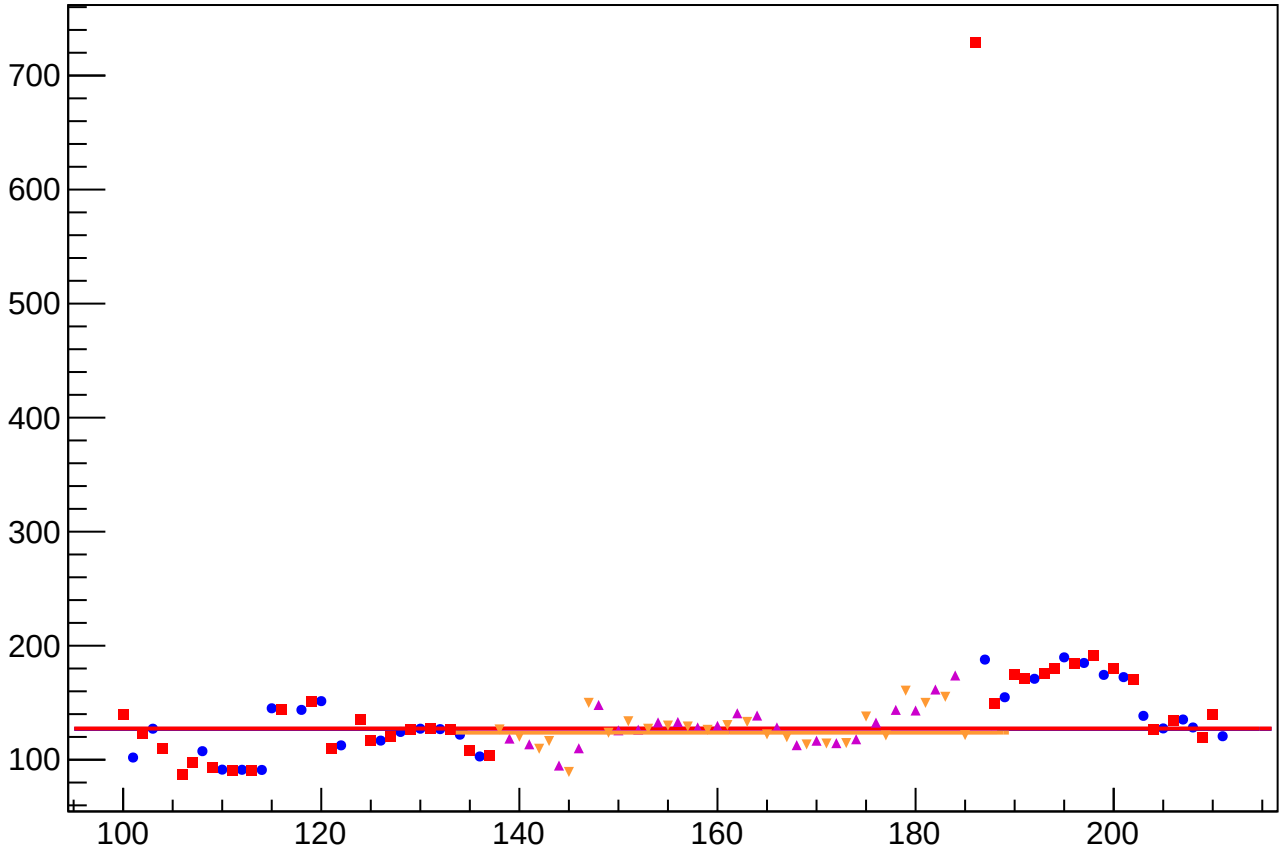
Left In: -253.048+/-29.313 χ^2/NDF:26.2/22

+ sign 185.573+/-21.226 χ^2/NDF: 74.3/52

All: 11.829+/-15.043 χ^2/NDF: 296.3/108

- sign -163.491+/-21.322 χ^2/NDF: 87.3/55

reg_asym_sam_48_dd_rms vs Slug



Right In: 127.025+/-0.023 χ^2/NDF: 1380947.4/27

Left Out: 123.807+/-0.020 χ^2/NDF:598444.2/24

Right Out: 127.355+/-0.022 χ^2/NDF: 2331196.8/32

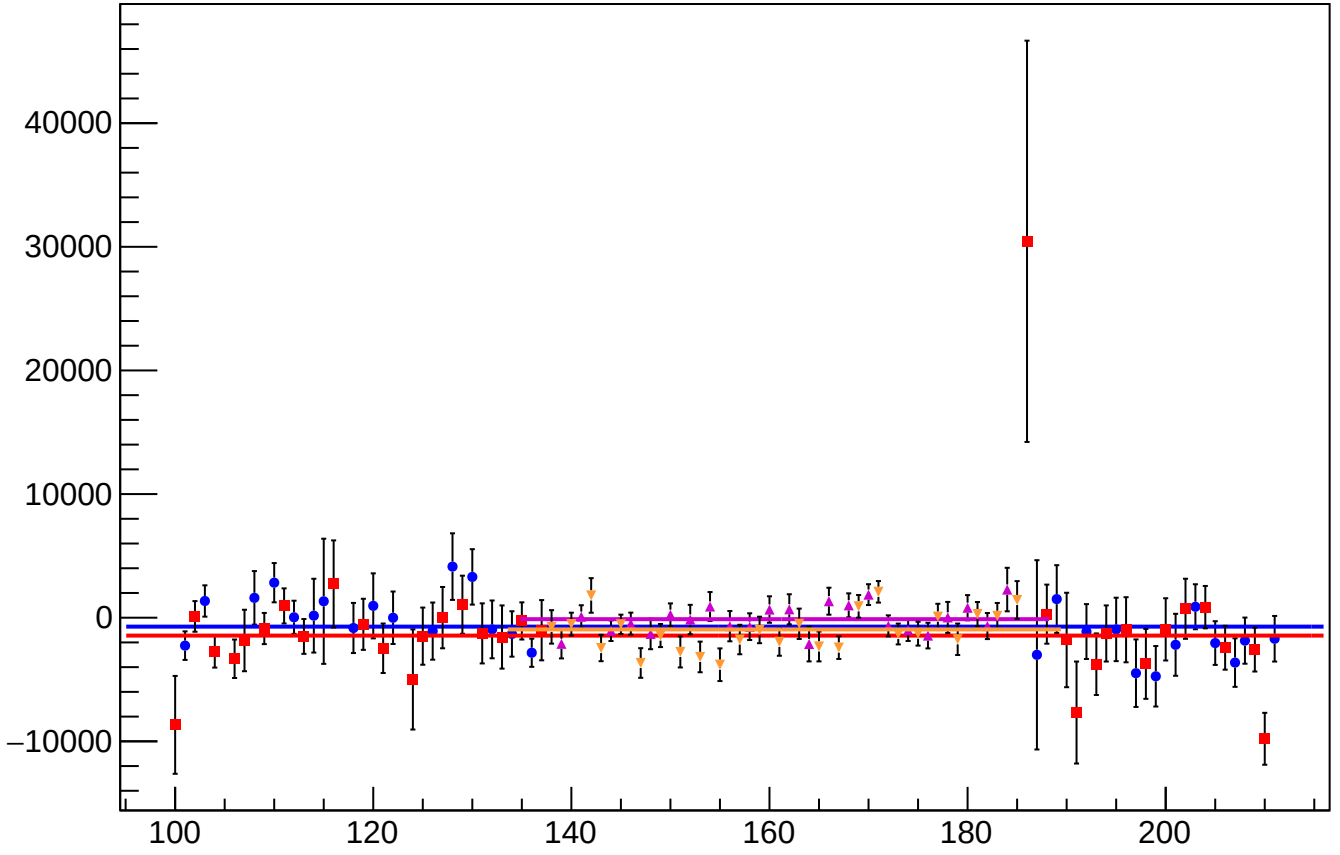
Left In: 124.259+/-0.021 χ^2/NDF:557214.9/22

+ sign 125.229+/-0.015 χ^2/NDF: 1990724.3/52

All: 125.472+/-0.011 χ^2/NDF: 4890173.7/108

- sign 125.717+/-0.015 χ^2/NDF: 2898922.1/55

asym_sam_48_dd_reg_correction_mean vs Slug



Right In: -722.112+/-365.109 χ^2/NDF: 31.7/27

Left Out: -947.720+/-211.794 χ^2/NDF:50.3/24

Right Out: -1447.261+/-352.489 χ^2/NDF: 42.5/32

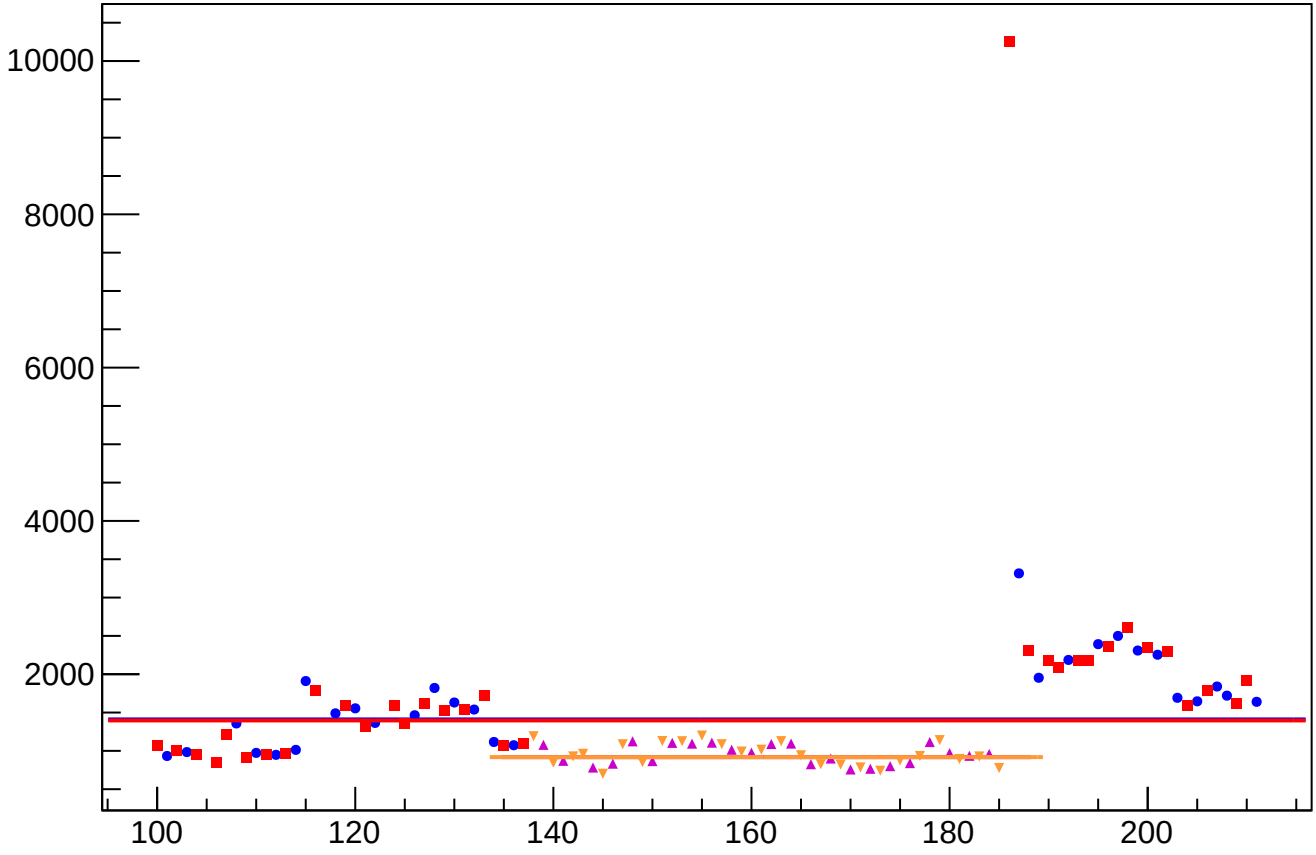
Left In: -118.433+/-217.165 χ^2/NDF:24.4/22

+ sign -890.918+/-183.201 χ^2/NDF: 82.2/52

All: -689.349+/-130.137 χ^2/NDF: 161.9/108

- sign -484.041+/-184.892 χ^2/NDF: 77.2/55

asym_sam_48_dd_reg_correction_rms vs Slug



Right In: 1410.109+/-0.258 χ^2/NDF: 3141647.5/27

Left Out: 918.501+/-0.150 χ^2/NDF:887820.0/24

Right Out: 1397.042+/-0.249 χ^2/NDF: 4565002.0/32

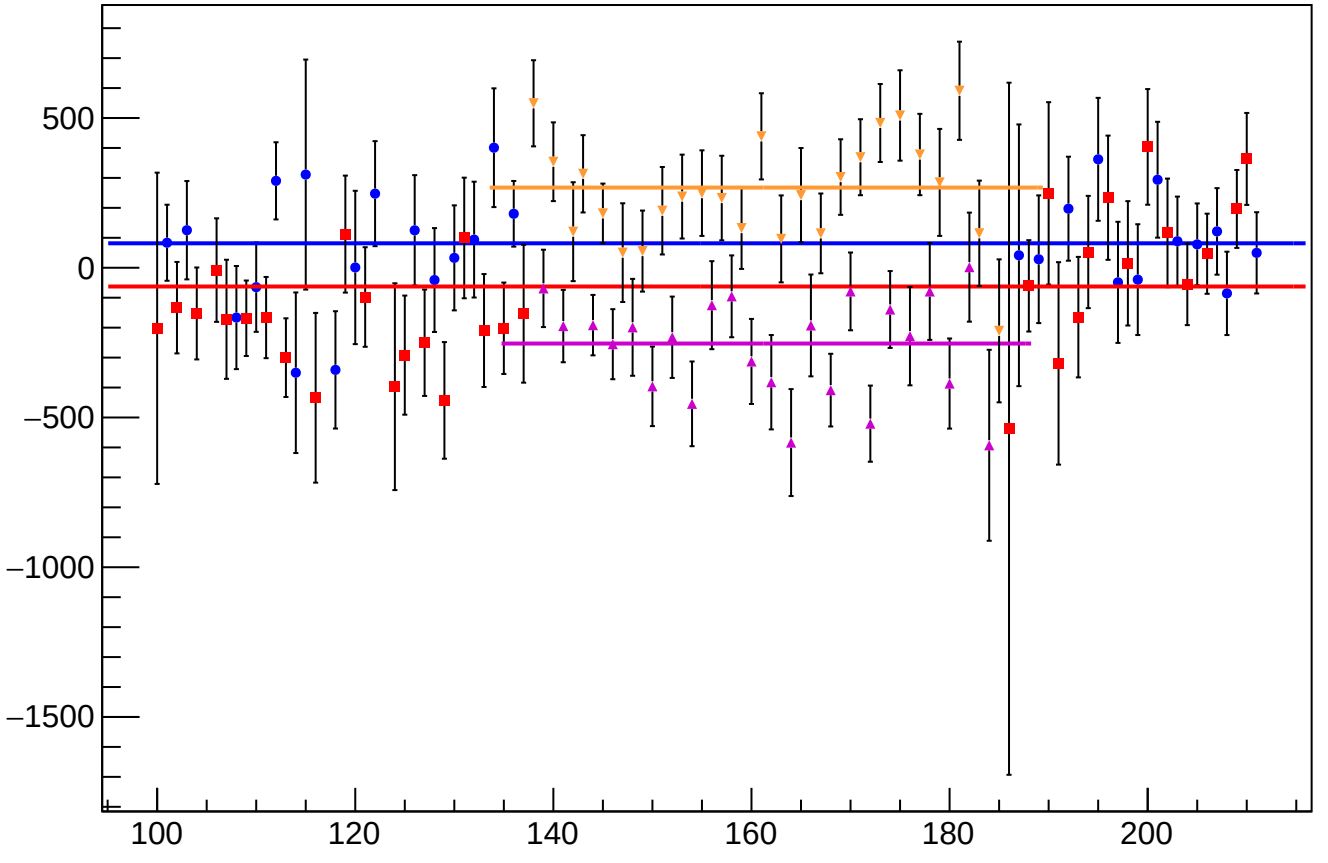
Left In: 918.214+/-0.154 χ^2/NDF:666262.3/22

+ sign 1042.276+/-0.130 χ^2/NDF: 6742497.2/52

All: 1046.081+/-0.092 χ^2/NDF: 14650691.9/1

- sign 1049.957+/-0.131 χ^2/NDF: 7906453.1/55

cor_asym_sam_48_dd_mean vs Slug



Right In: 81.657+/-31.938 χ^2/NDF: 24.4/27

Left Out: 267.791+/-28.407 χ^2/NDF:31.0/24

Right Out: -62.630+/-31.074 χ^2/NDF: 41.4/32

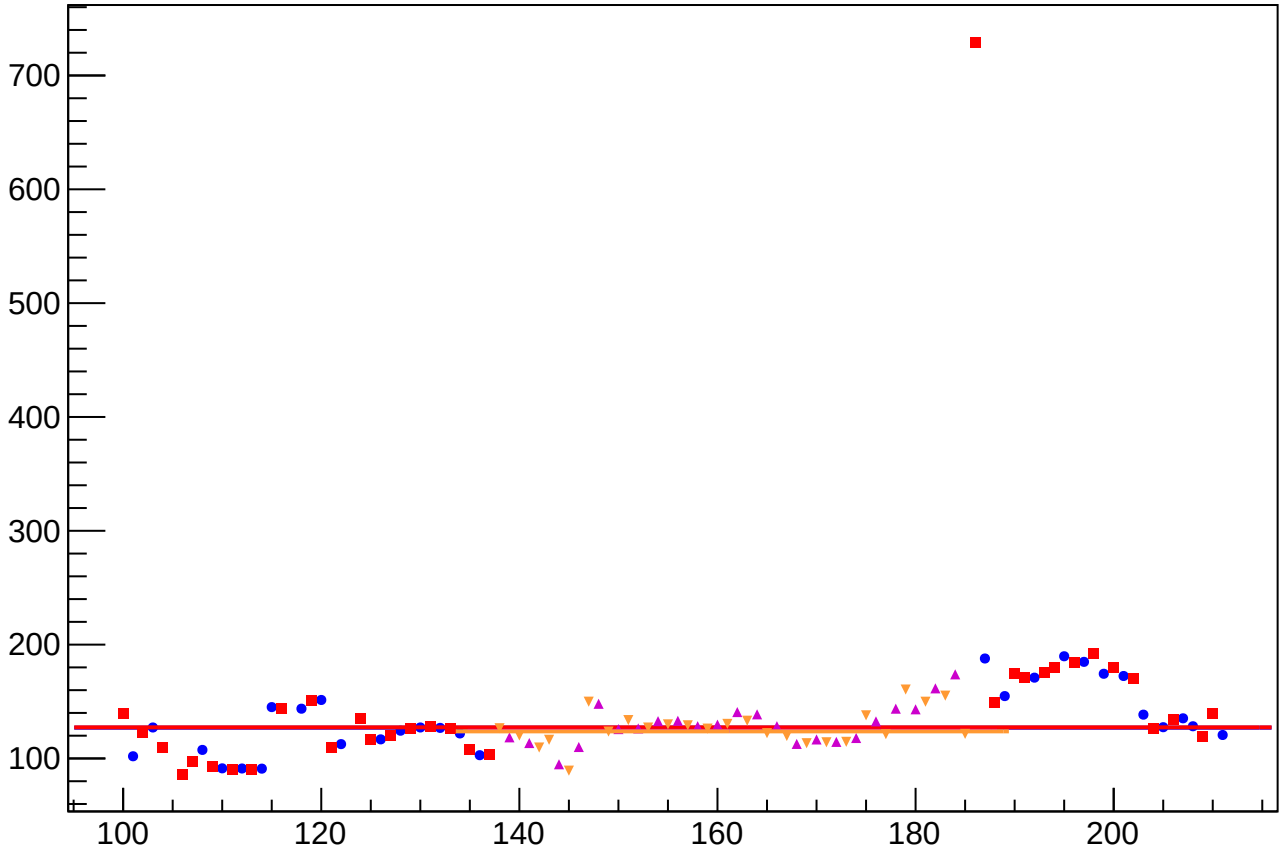
Left In: -253.051+/-29.313 χ^2/NDF:26.2/22

+ sign 185.575+/-21.226 χ^2/NDF: 74.3/52

All: 11.888+/-15.043 χ^2/NDF: 296.3/108

- sign -163.388+/-21.323 χ^2/NDF: 87.4/55

cor_asym_sam_48_dd_rms vs Slug



Right In: 127.025+/-0.023 χ^2/NDF: 1380947.5/27

Left Out: 123.807+/-0.020 χ^2/NDF:598444.2/24

Right Out: 127.326+/-0.022 χ^2/NDF: 2337028.4/32

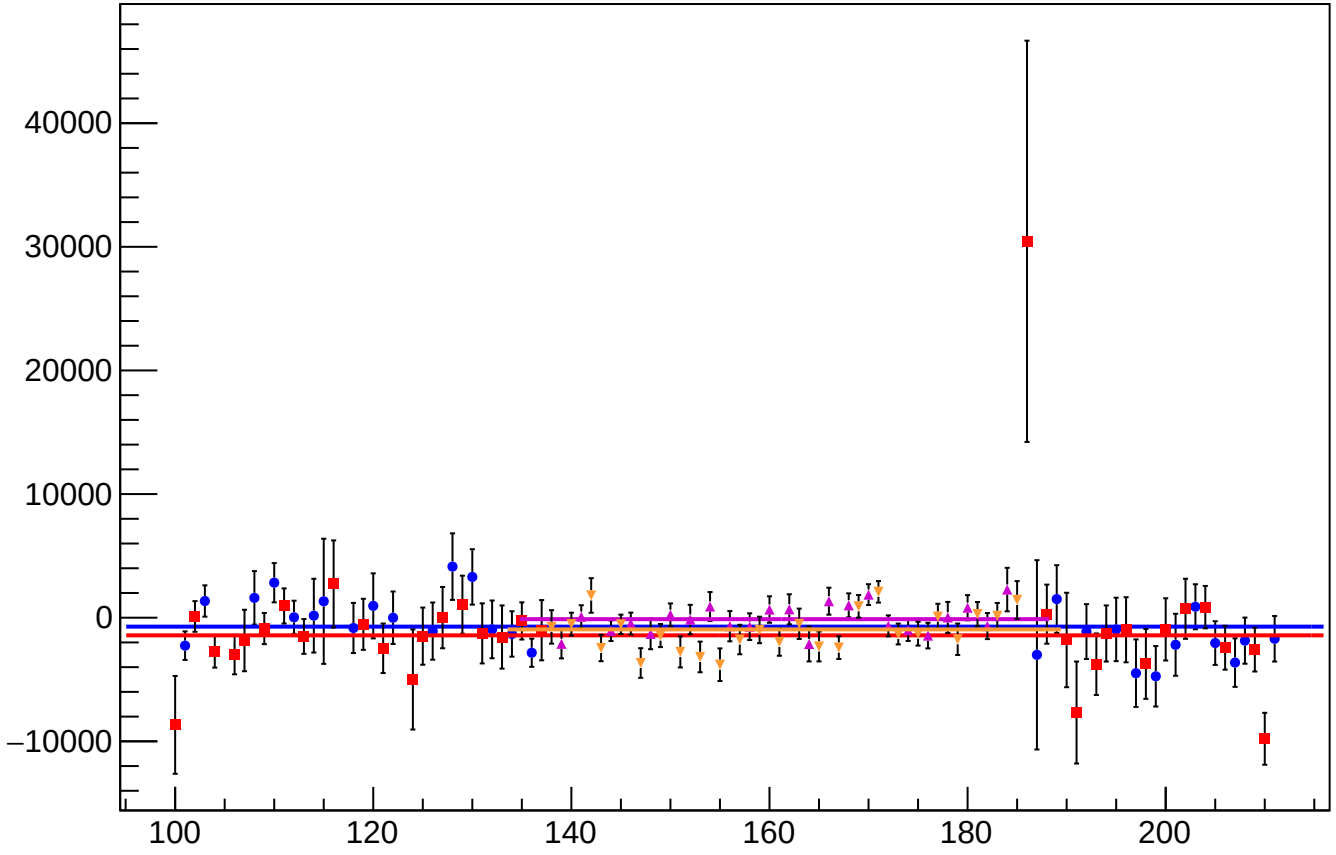
Left In: 124.259+/-0.021 χ^2/NDF:557214.9/22

+ sign 125.229+/-0.015 χ^2/NDF: 1990724.5/52

All: 125.465+/-0.011 χ^2/NDF: 4895772.4/108

- sign 125.703+/-0.015 χ^2/NDF: 2904550.8/55

asym_sam_48_dd_cor_correction_mean vs Slug



Right In: -722.175+/-365.110 χ^2/NDF: 31.7/27

Left Out: -947.709+/-211.794 χ^2/NDF:50.3/24

Right Out: -1426.736+/-352.914 χ^2/NDF: 42.0/32

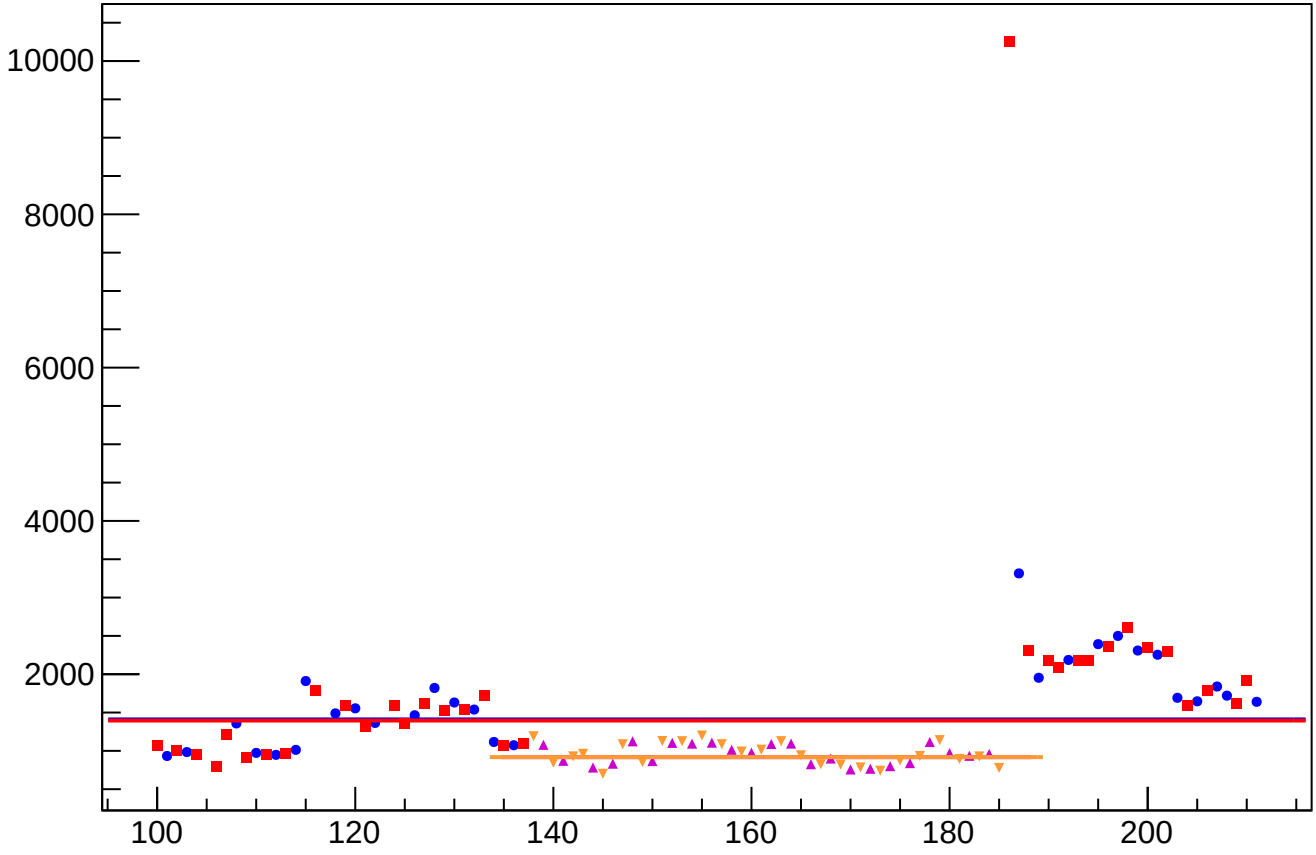
Left In: -118.435+/-217.165 χ^2/NDF:24.4/22

+ sign -890.926+/-183.202 χ^2/NDF: 82.2/52

All: -686.313+/-130.158 χ^2/NDF: 161.1/108

- sign -477.768+/-184.954 χ^2/NDF: 76.4/55

asym_sam_48_dd_cor_correction_rms vs Slug



Right In: 1410.118+/-0.258 χ^2/NDF: 3141559.6/27

Left Out: 918.501+/-0.150 χ^2/NDF:887819.5/24

Right Out: 1395.905+/-0.250 χ^2/NDF: 4598918.1/32

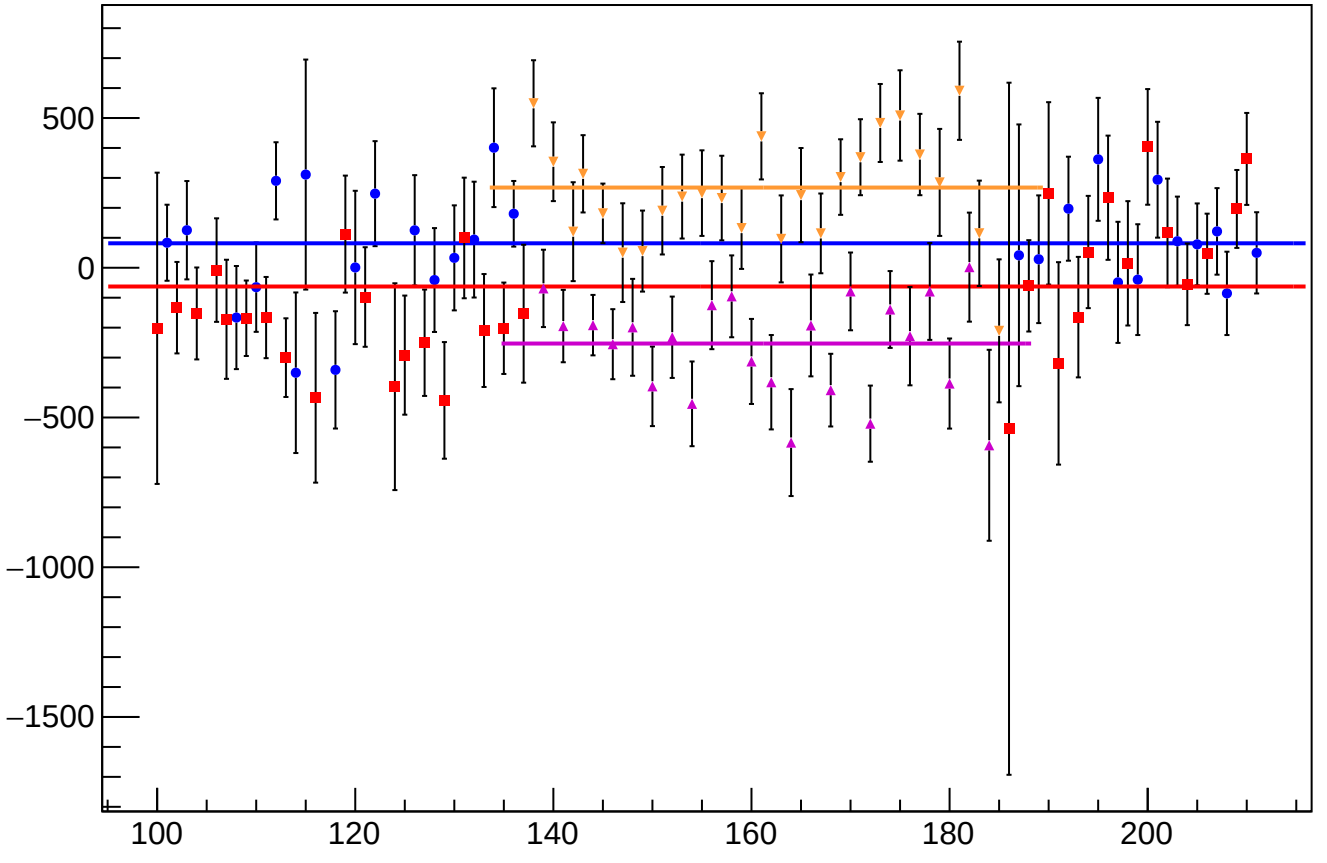
Left In: 918.214+/-0.154 χ^2/NDF:666263.4/22

+ sign 1042.277+/-0.130 χ^2/NDF: 6742487.8/52

All: 1045.812+/-0.092 χ^2/NDF: 14667028.9/1

- sign 1049.415+/-0.131 χ^2/NDF: 7923037.7/55

eigen_cor_asym_sam_48_dd_mean vs Slug



Right In: 81.657+/-31.938 χ^2/NDF: 24.4/27

Left Out: 267.791+/-28.407 χ^2/NDF:31.0/24

Right Out: -62.630+/-31.074 χ^2/NDF: 41.4/32

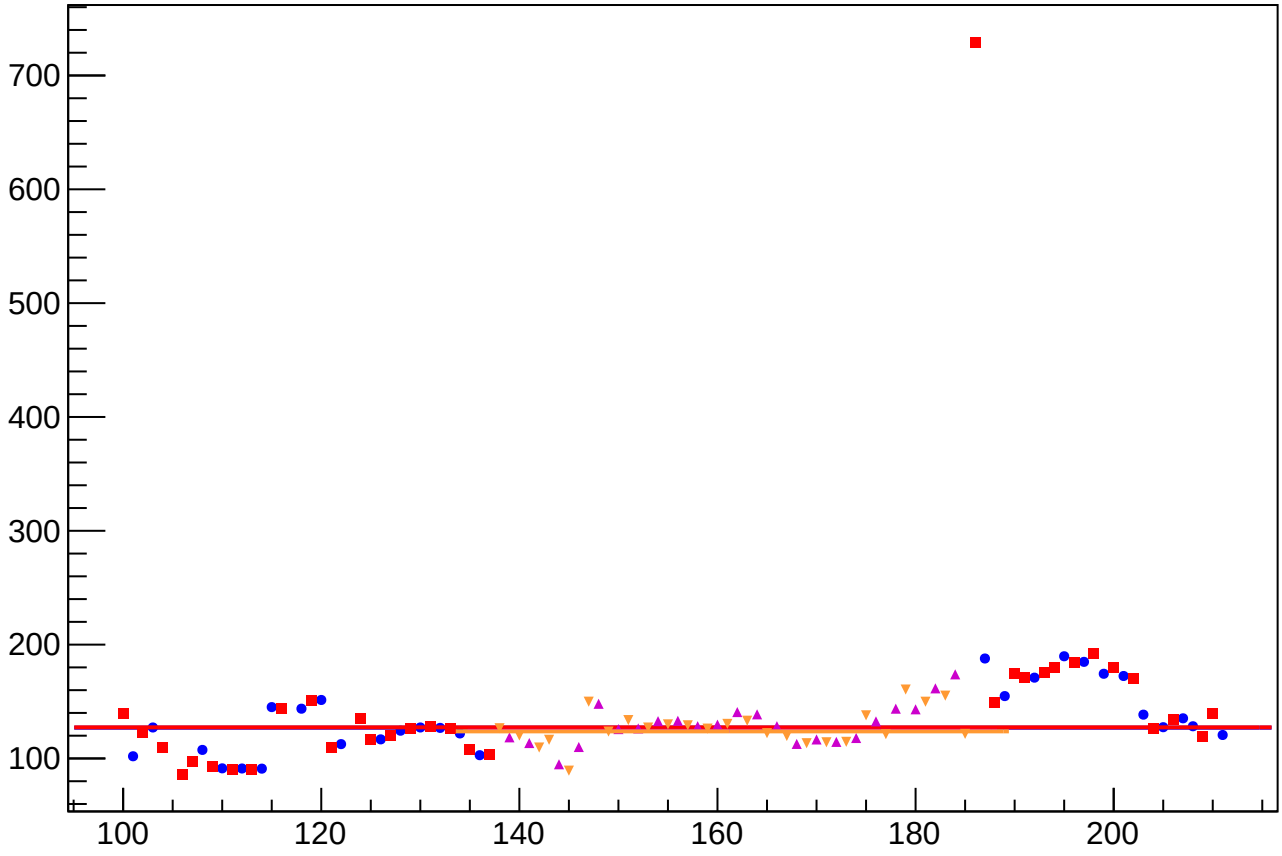
Left In: -253.051+/-29.313 χ^2/NDF:26.2/22

+ sign 185.575+/-21.226 χ^2/NDF: 74.3/52

All: 11.888+/-15.043 χ^2/NDF: 296.3/108

- sign -163.388+/-21.323 χ^2/NDF: 87.4/55

eigen_cor_asym_sam_48_dd_rms vs Slug



Right In: 127.025+/-0.023 χ^2/NDF: 1380947.5/27

Left Out: 123.807+/-0.020 χ^2/NDF:598444.2/24

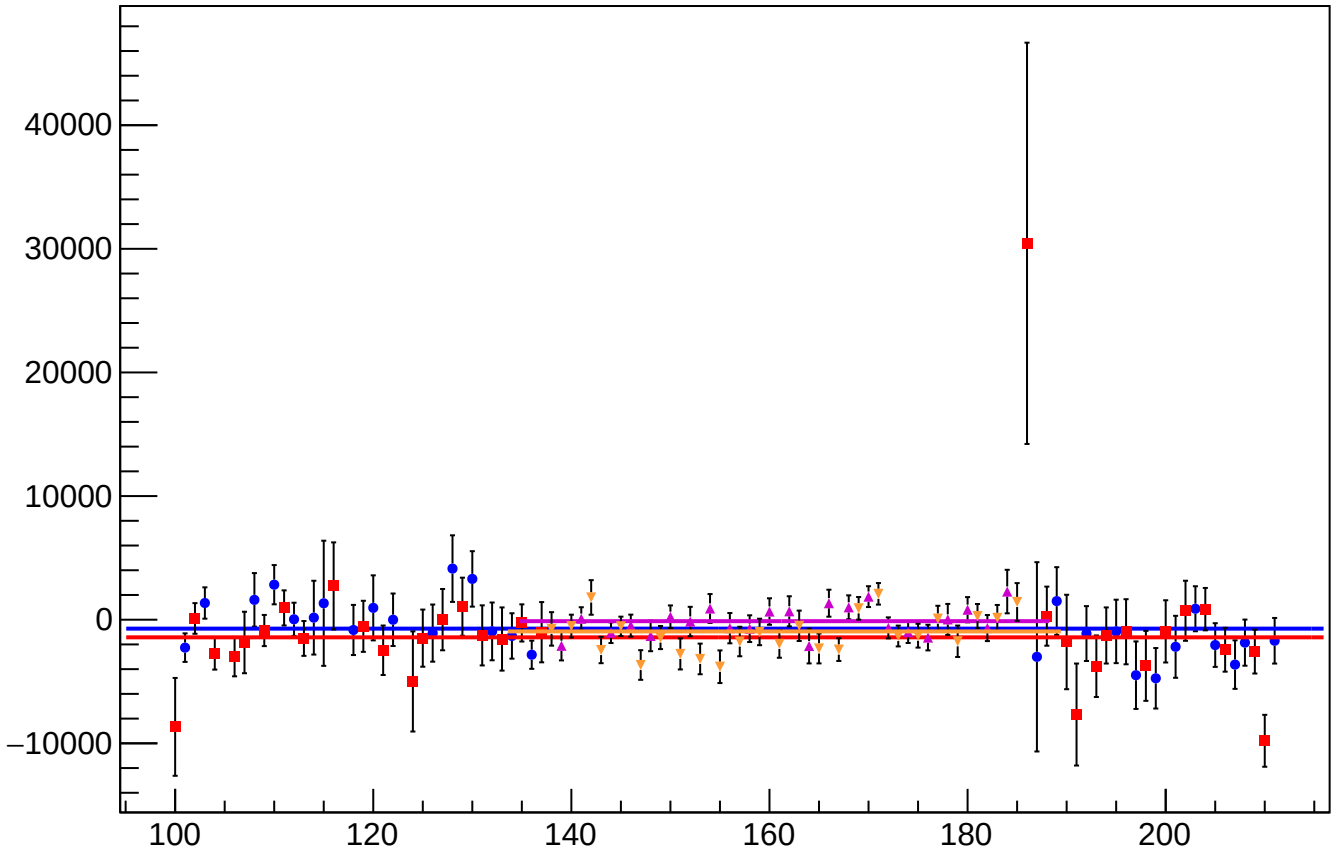
Right Out: 127.326+/-0.022 χ^2/NDF: 2337028.4/32

Left In: 124.259+/-0.021 χ^2/NDF:557214.9/22

+ sign 125.229+/-0.015 χ^2/NDF: 1990724.5/52

All: 125.465+/-0.011 χ^2/NDF: 4895772.4/108

- sign 125.703+/-0.015 χ^2/NDF: 2904550.8/55



Right In: -722.175+/-365.110 χ^2/NDF: 31.7/27

Left Out: -947.709+/-211.794 χ^2/NDF:50.3/24

Right Out: -1426.736+/-352.914 χ^2/NDF: 42.0/32

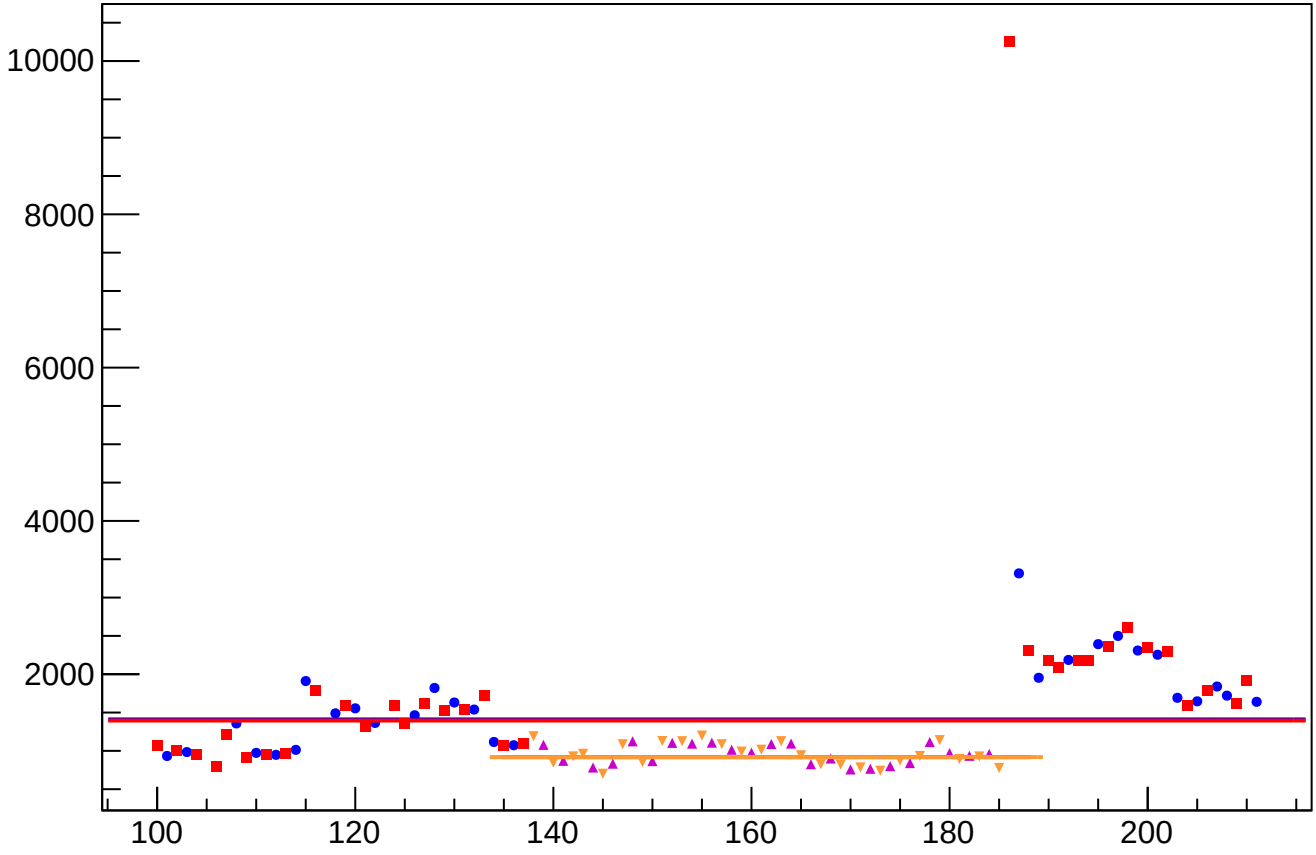
Left In: -118.435+/-217.165 χ^2/NDF:24.4/22

+ sign -890.926+/-183.202 χ^2/NDF: 82.2/52

All: -686.313+/-130.158 χ^2/NDF: 161.1/108

- sign -477.768+/-184.954 χ^2/NDF: 76.4/55

asym_sam_48_dd_eigen_cor_correction_rms vs Slug



Right In: 1410.118+/-0.258 χ^2/NDF: 3141559.6/27

Left Out: 918.501+/-0.150 χ^2/NDF:887819.5/24

Right Out: 1395.905+/-0.250 χ^2/NDF: 4598918.1/32

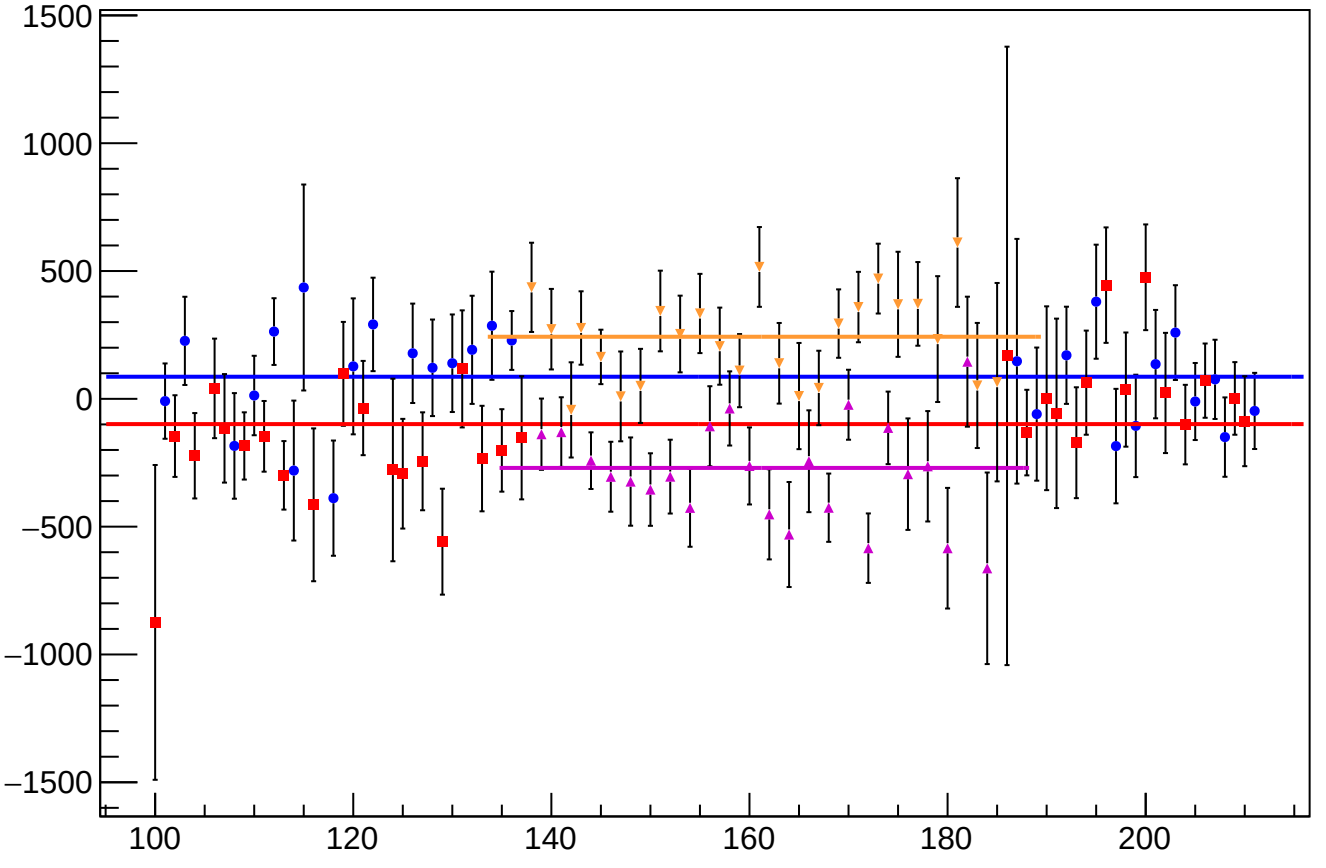
Left In: 918.214+/-0.154 χ^2/NDF:666263.4/22

+ sign 1042.277+/-0.130 χ^2/NDF: 6742487.8/52

All: 1045.812+/-0.092 χ^2/NDF: 14667028.9/1

- sign 1049.415+/-0.131 χ^2/NDF: 7923037.7/55

dit_asym_sam_48_dd_mean vs Slug



Right In: 86.482+/-34.837 χ^2/NDF: 25.2/27

Left Out: 242.890+/-32.138 χ^2/NDF:23.7/24

Right Out: -98.817+/-33.639 χ^2/NDF: 33.0/32

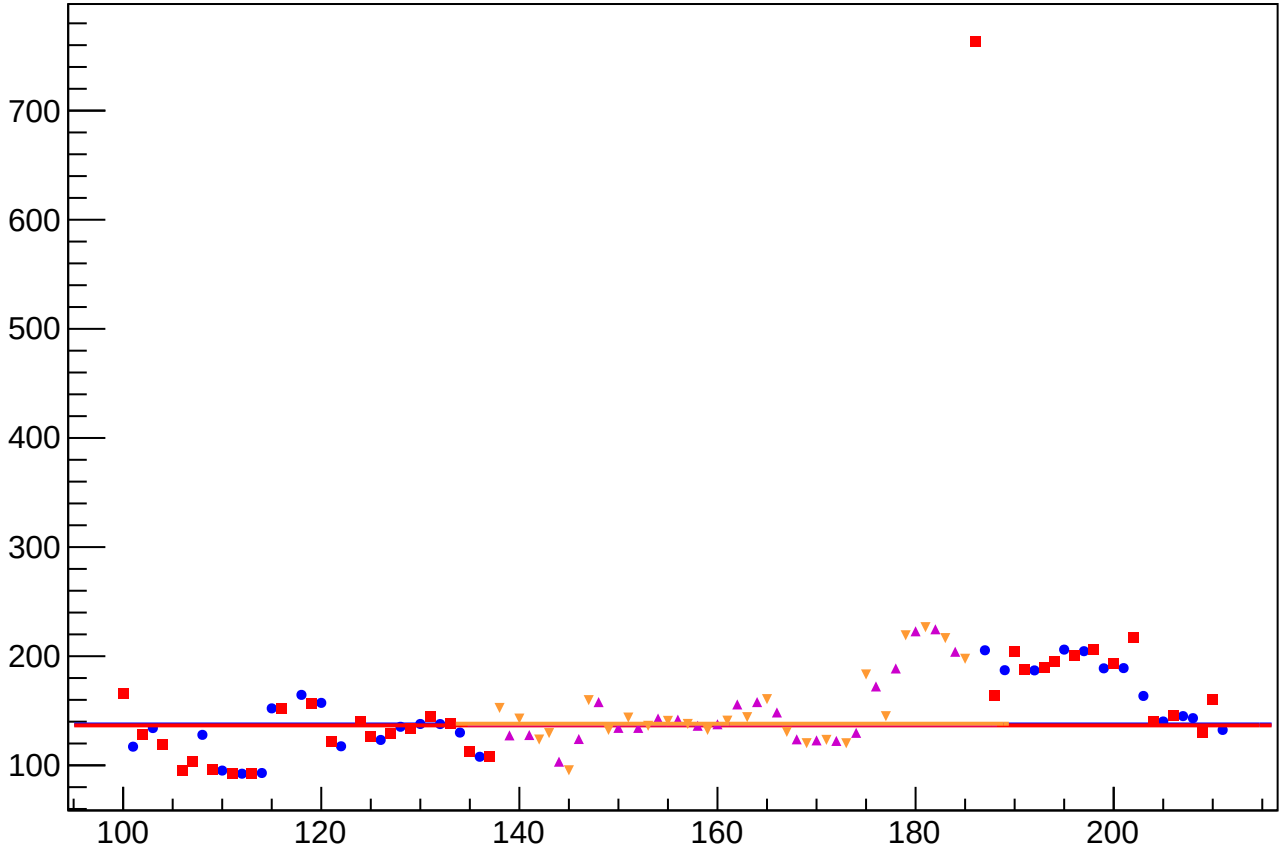
Left In: -270.243+/-32.893 χ^2/NDF:26.7/22

+ sign 170.979+/-23.622 χ^2/NDF: 59.8/52

All: -8.523+/-16.666 χ^2/NDF: 247.7/108

- sign -186.452+/-23.518 χ^2/NDF: 73.0/55

dit_asym_sam_48_dd_rms vs Slug



Right In: 137.439+/-0.025 χ^2/NDF: 1614418.1/27

Left Out: 138.127+/-0.023 χ^2/NDF:1338308.5/24

Right Out: 136.611+/-0.024 χ^2/NDF: 2669396.2/32

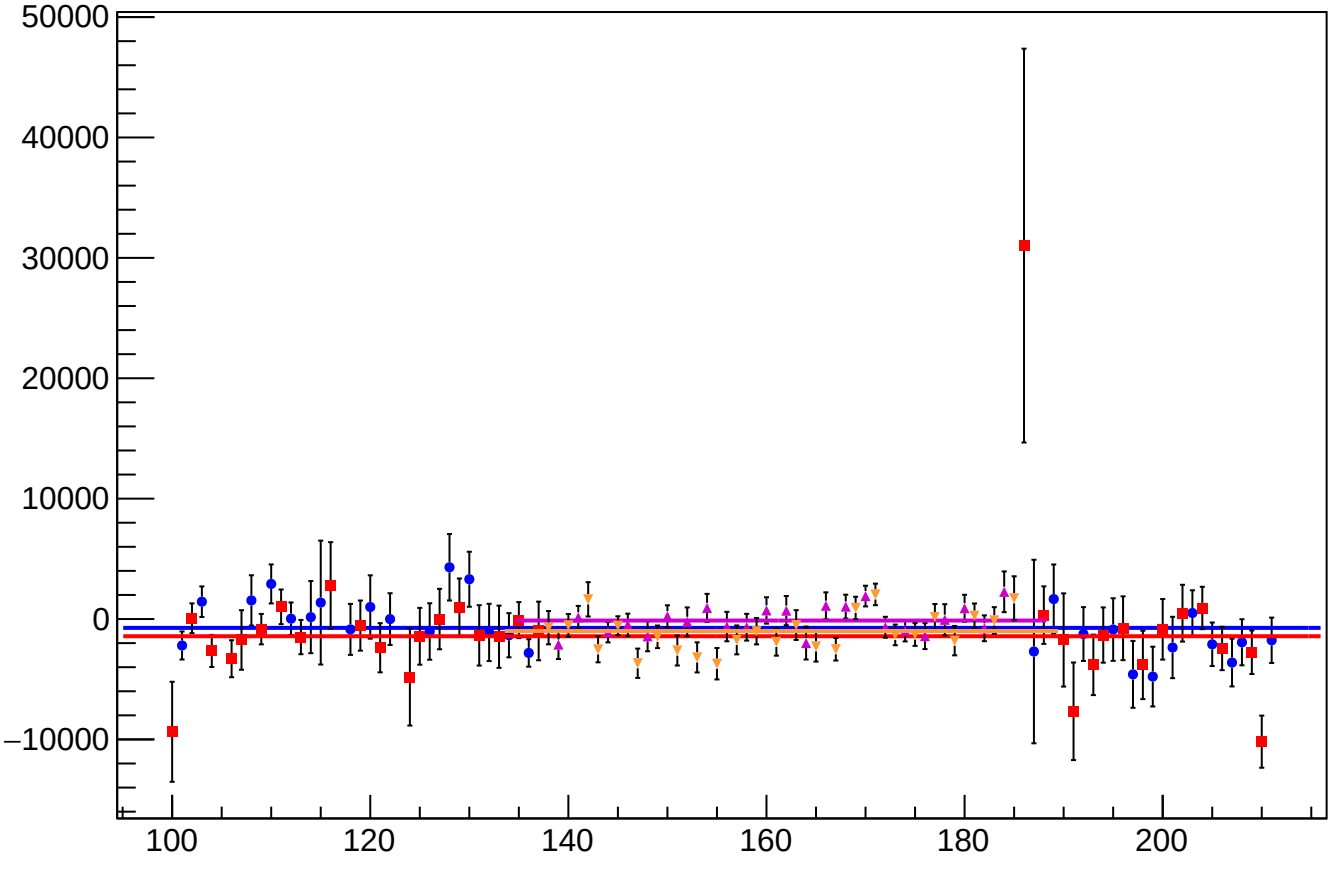
Left In: 137.491+/-0.023 χ^2/NDF:1109333.5/22

+ sign 137.811+/-0.017 χ^2/NDF: 2953148.4/52

All: 137.434+/-0.012 χ^2/NDF: 6733591.5/108

- sign 137.061+/-0.017 χ^2/NDF: 3779430.5/55

asym_sam_48_dd_dit_correction_mean vs Slug



Right In: -734.339+/-369.475 χ^2/NDF: 31.5/27

Left Out: -993.237+/-215.652 χ^2/NDF:46.9/24

Right Out: -1428.663+/-355.344 χ^2/NDF: 43.4/32

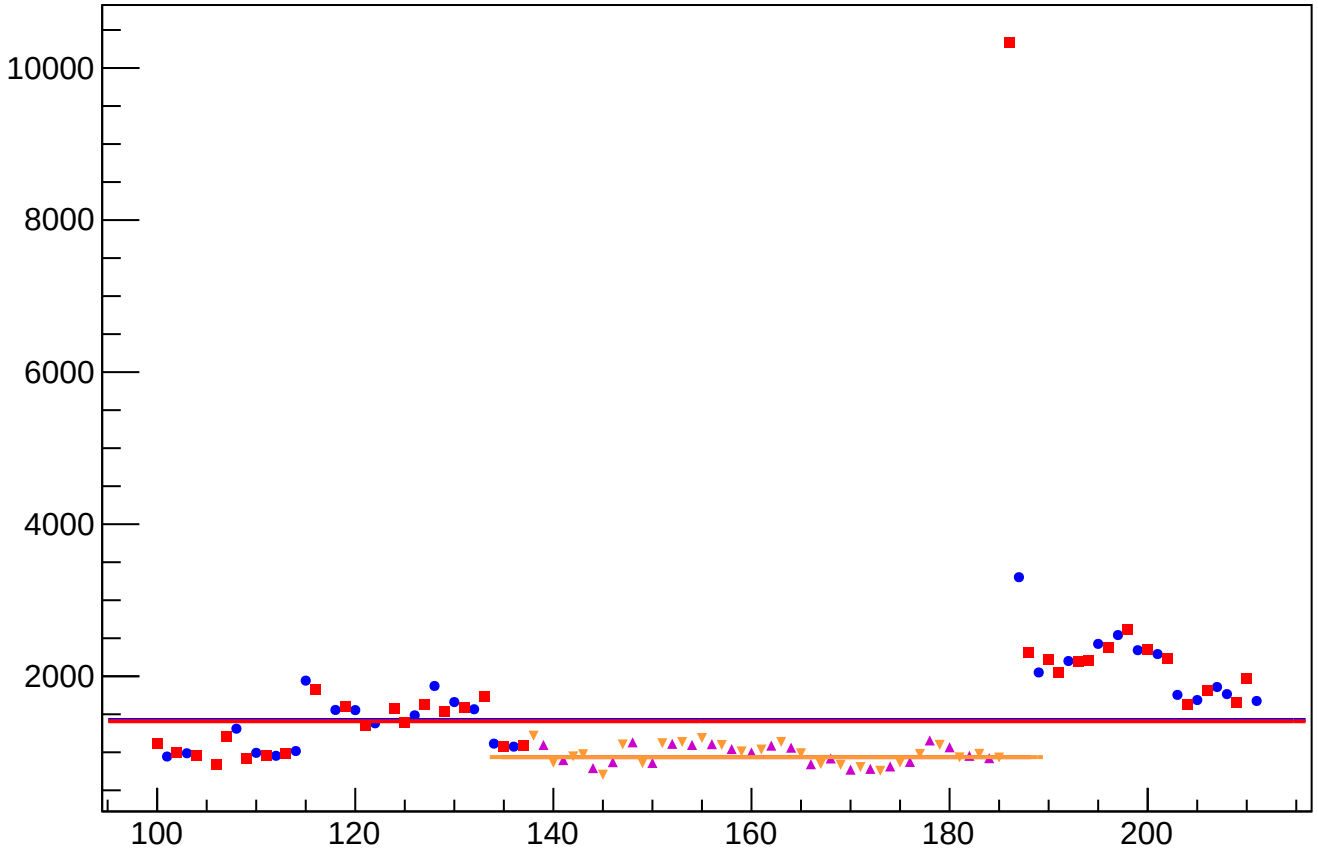
Left In: -124.857+/-221.367 χ^2/NDF:23.9/22

+ sign -927.449+/-186.248 χ^2/NDF: 78.8/52

All: -710.337+/-132.274 χ^2/NDF: 158.5/108

- sign -489.379+/-187.890 χ^2/NDF: 77.0/55

asym_sam_48_dd_dit_correction_rms vs Slug



Right In: 1425.173+/-0.261 χ^2/NDF: 3248569.0/27

Left Out: 936.743+/-0.152 χ^2/NDF:832449.3/24

Right Out: 1408.380+/-0.251 χ^2/NDF: 4587651.9/32

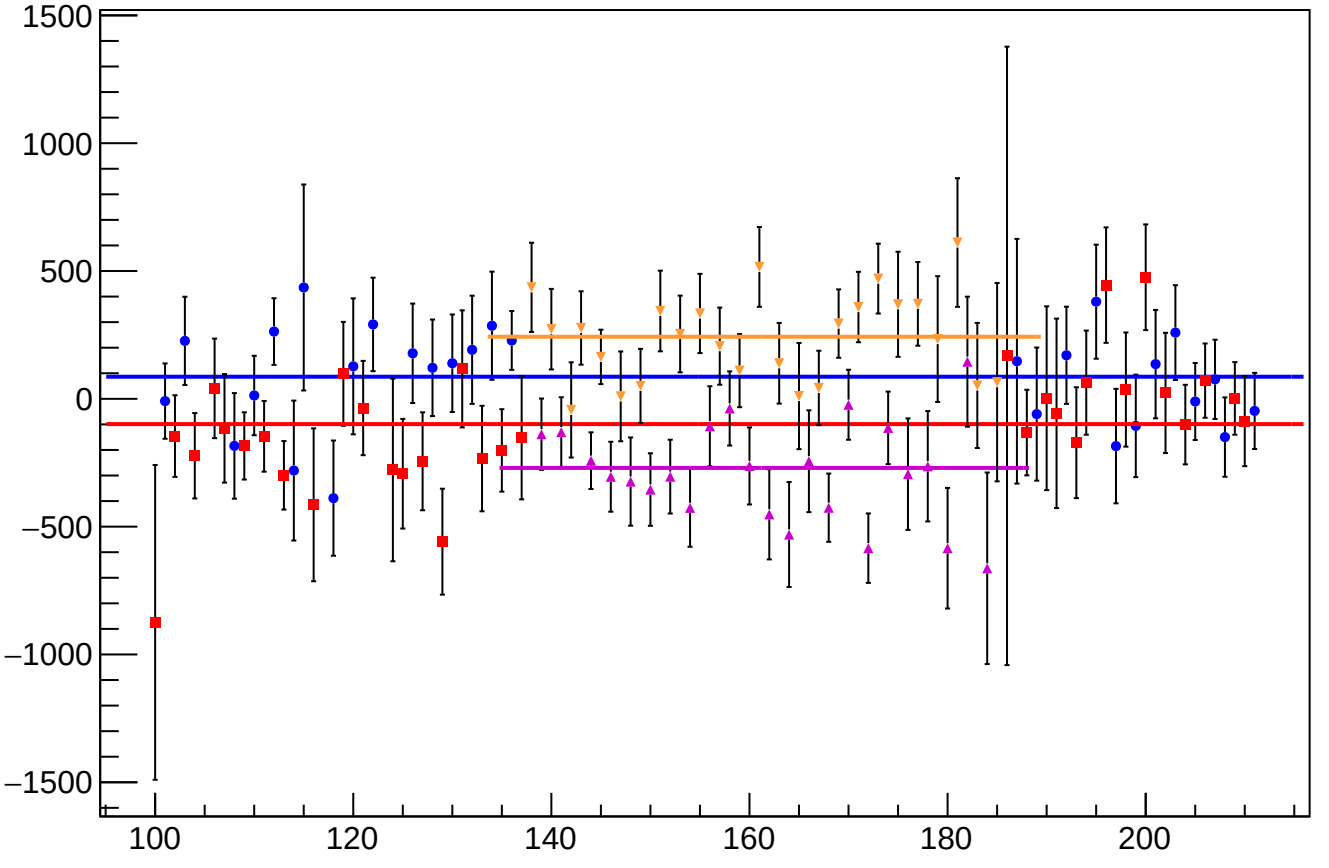
Left In: 936.380+/-0.157 χ^2/NDF:642749.3/22

+ sign 1060.856+/-0.132 χ^2/NDF: 6688015.8/52

All: 1064.567+/-0.094 χ^2/NDF: 14462163.7/1

- sign 1068.344+/-0.133 χ^2/NDF: 7772545.9/55

eigen_dit_asym_sam_48_dd_mean vs Slug



Right In: 86.484+/-34.837 χ^2/NDF: 25.2/27

Left Out: 242.892+/-32.138 χ^2/NDF:23.7/24

Right Out: -98.816+/-33.639 χ^2/NDF: 33.0/32

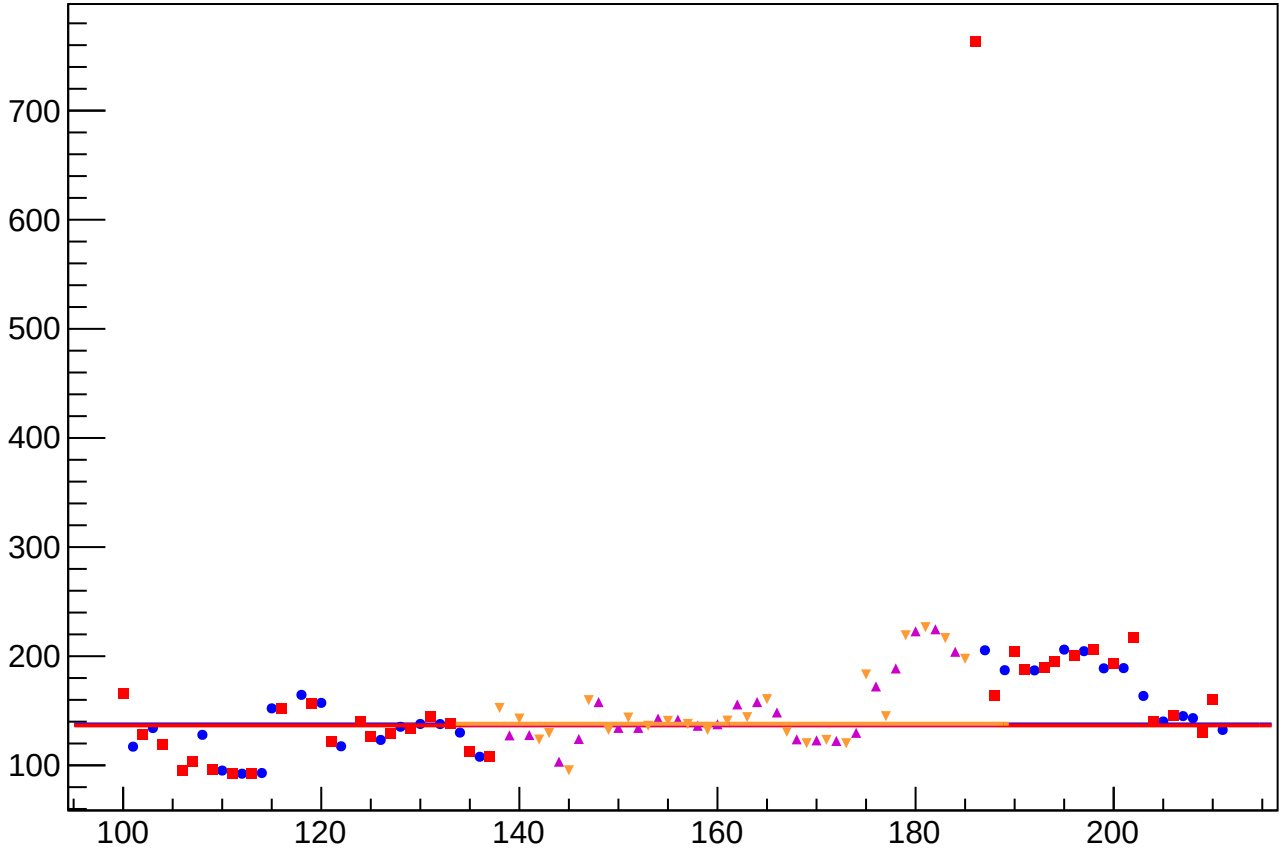
Left In: -270.244+/-32.893 χ^2/NDF:26.7/22

+ sign 170.981+/-23.622 χ^2/NDF: 59.8/52

All: -8.522+/-16.666 χ^2/NDF: 247.7/108

- sign -186.452+/-23.518 χ^2/NDF: 73.0/55

eigen_dit_asym_sam_48_dd_rms vs Slug



Right In: 137.439+/-0.025 χ^2/NDF: 1614405.5/27

Left Out: 138.127+/-0.023 χ^2/NDF:1338311.7/24

Right Out: 136.611+/-0.024 χ^2/NDF: 2669402.3/32

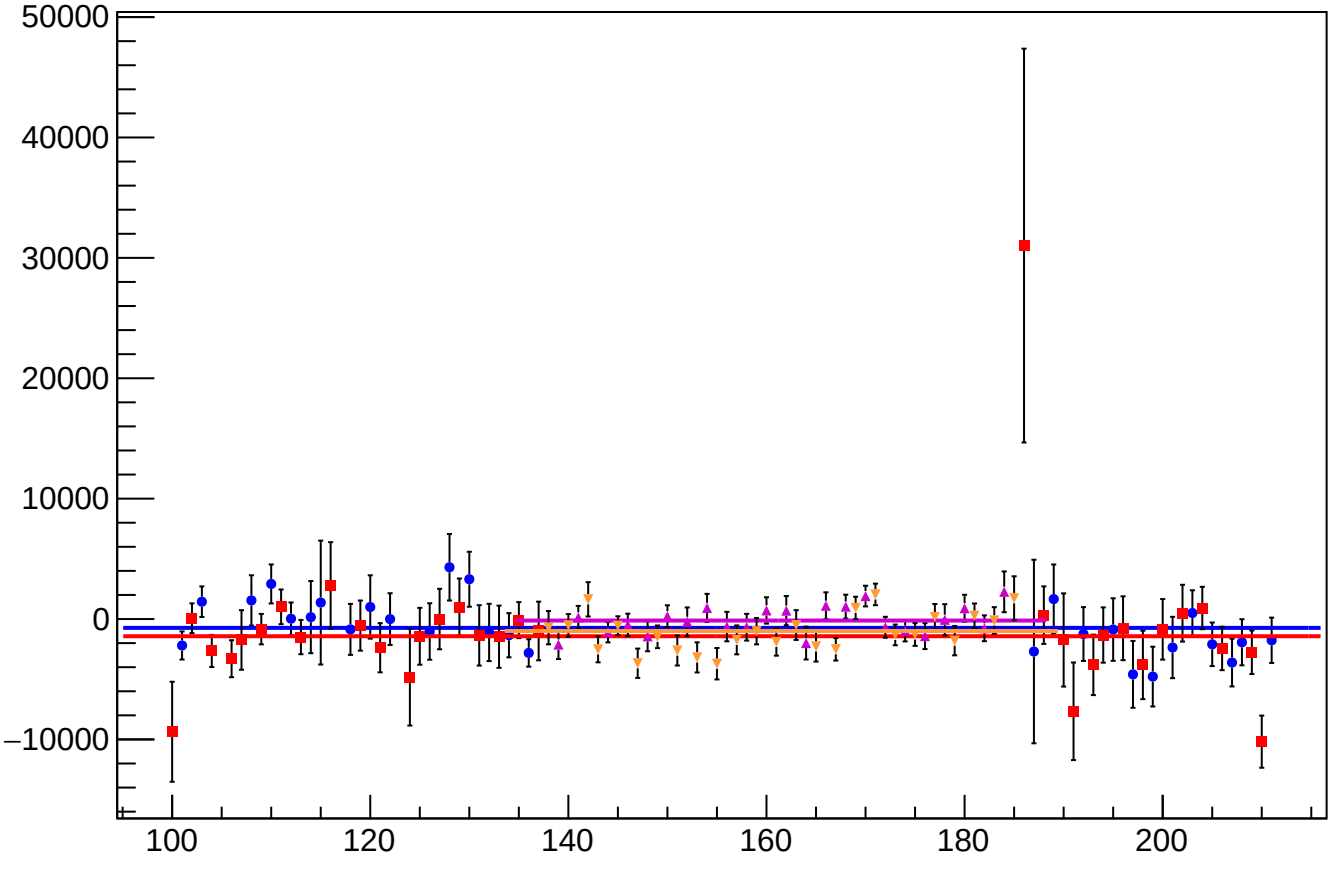
Left In: 137.491+/-0.023 χ^2/NDF:1109319.8/22

+ sign 137.811+/-0.017 χ^2/NDF: 2953138.9/52

All: 137.434+/-0.012 χ^2/NDF: 6733574.3/108

- sign 137.061+/-0.017 χ^2/NDF: 3779422.8/55

asym_sam_48_dd_eigen_dit_correction_mean vs Slug



Right In: -734.338+/-369.475 χ^2/NDF: 31.5/27

Left Out: -993.235+/-215.652 χ^2/NDF:46.9/24

Right Out: -1428.661+/-355.344 χ^2/NDF: 43.4/32

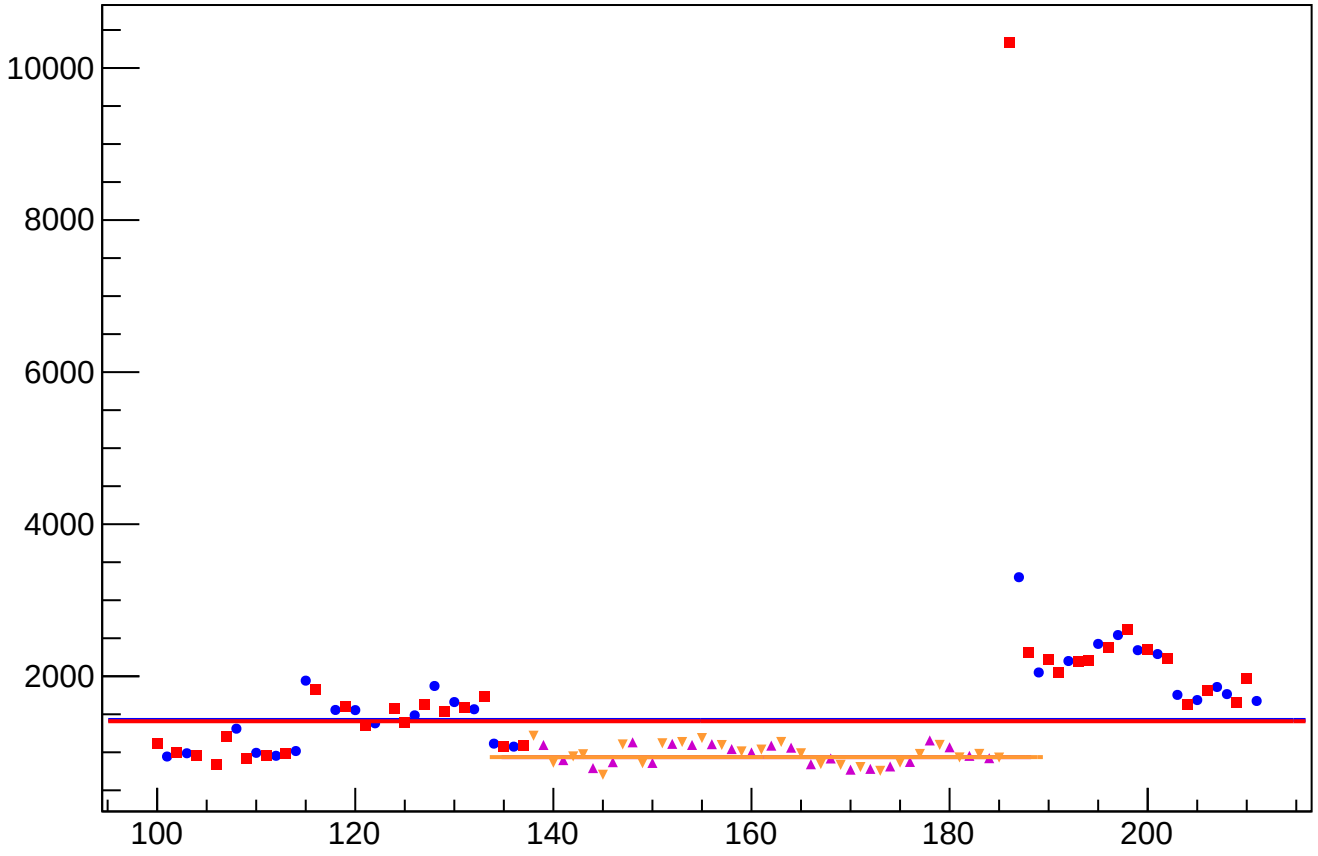
Left In: -124.856+/-221.366 χ^2/NDF:23.9/22

+ sign -927.448+/-186.248 χ^2/NDF: 78.8/52

All: -710.335+/-132.274 χ^2/NDF: 158.5/108

- sign -489.378+/-187.890 χ^2/NDF: 77.0/55

asym_sam_48_dd_eigen_dit_correction_rms vs Slug



Right In: 1425.172+/-0.261 χ^2/NDF: 3248564.0/27

Left Out: 936.742+/-0.152 χ^2/NDF:832452.0/24

Right Out: 1408.380+/-0.251 χ^2/NDF: 4587644.8/32

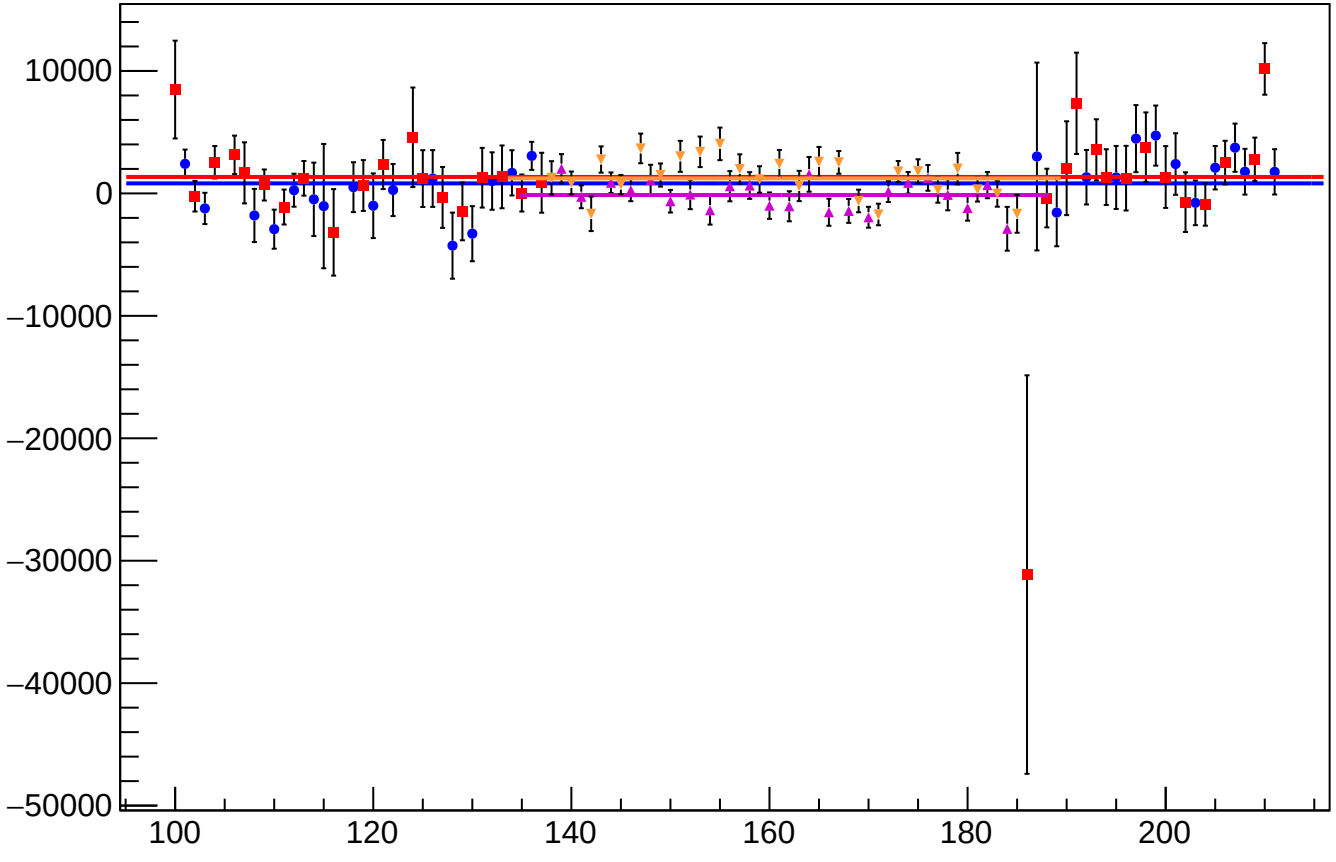
Left In: 936.379+/-0.157 χ^2/NDF:642748.0/22

+ sign 1060.855+/-0.132 χ^2/NDF: 6688024.9/52

All: 1064.566+/-0.094 χ^2/NDF: 14462172.2/1

- sign 1068.343+/-0.133 χ^2/NDF: 7772545.3/55

asym_sam_48_dd_mean vs Slug



Right In: 818.263+/-366.789 χ^2/NDF: 33.0/27

Left Out: 1225.521+/-213.843 χ^2/NDF:48.5/24

Right Out: 1345.346+/-354.179 χ^2/NDF: 44.7/32

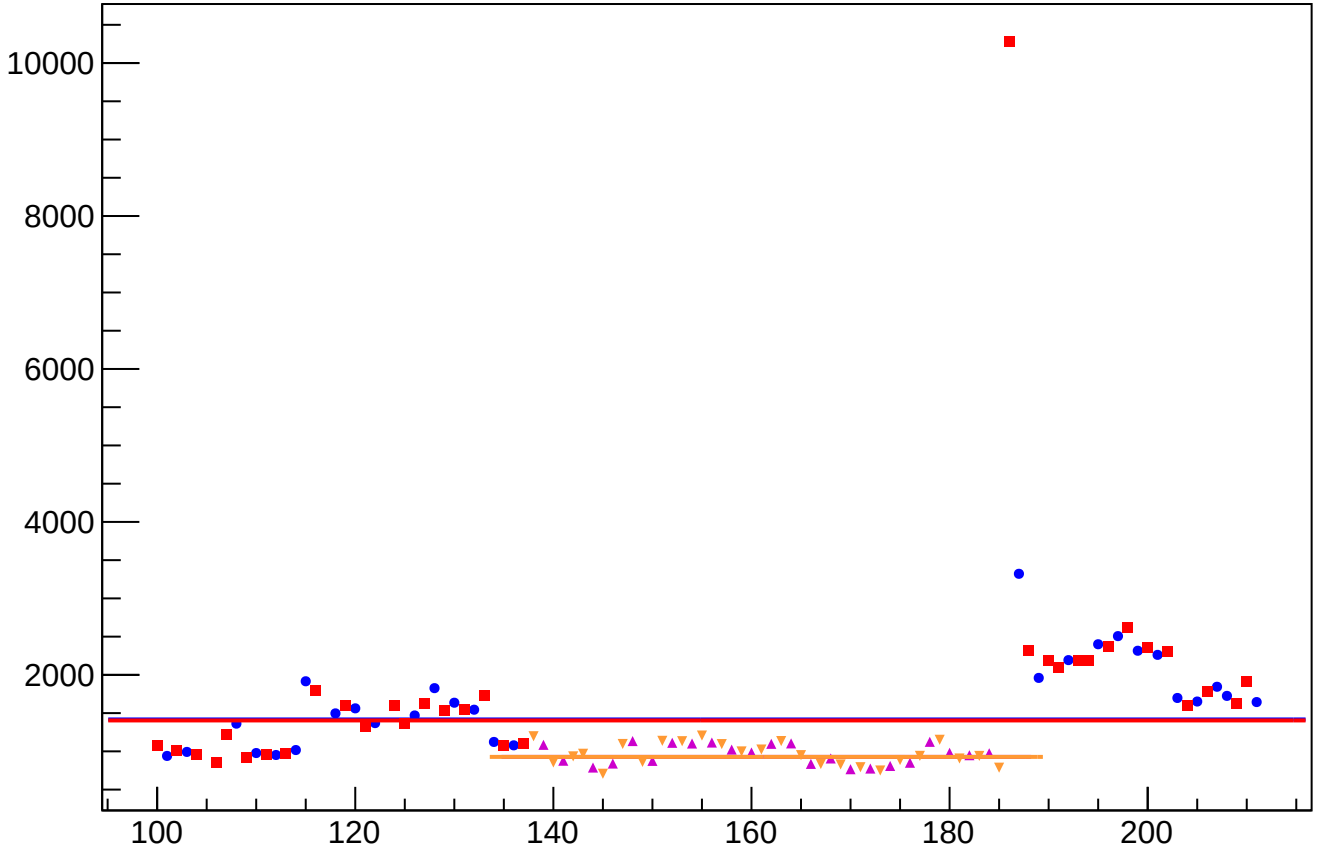
Left In: -132.834+/-219.278 χ^2/NDF:25.8/22

+ sign 1122.208+/-184.739 χ^2/NDF: 82.5/52

All: 703.357+/-131.227 χ^2/NDF: 176.0/108

- sign 276.762+/-186.439 χ^2/NDF: 83.2/55

asym_sam_48_dd_rms vs Slug



Right In: 1417.185+/-0.259 χ^2/NDF: 3117237.3/27

Left Out: 927.610+/-0.151 χ^2/NDF:875127.3/24

Right Out: 1404.232+/-0.250 χ^2/NDF: 4536611.9/32

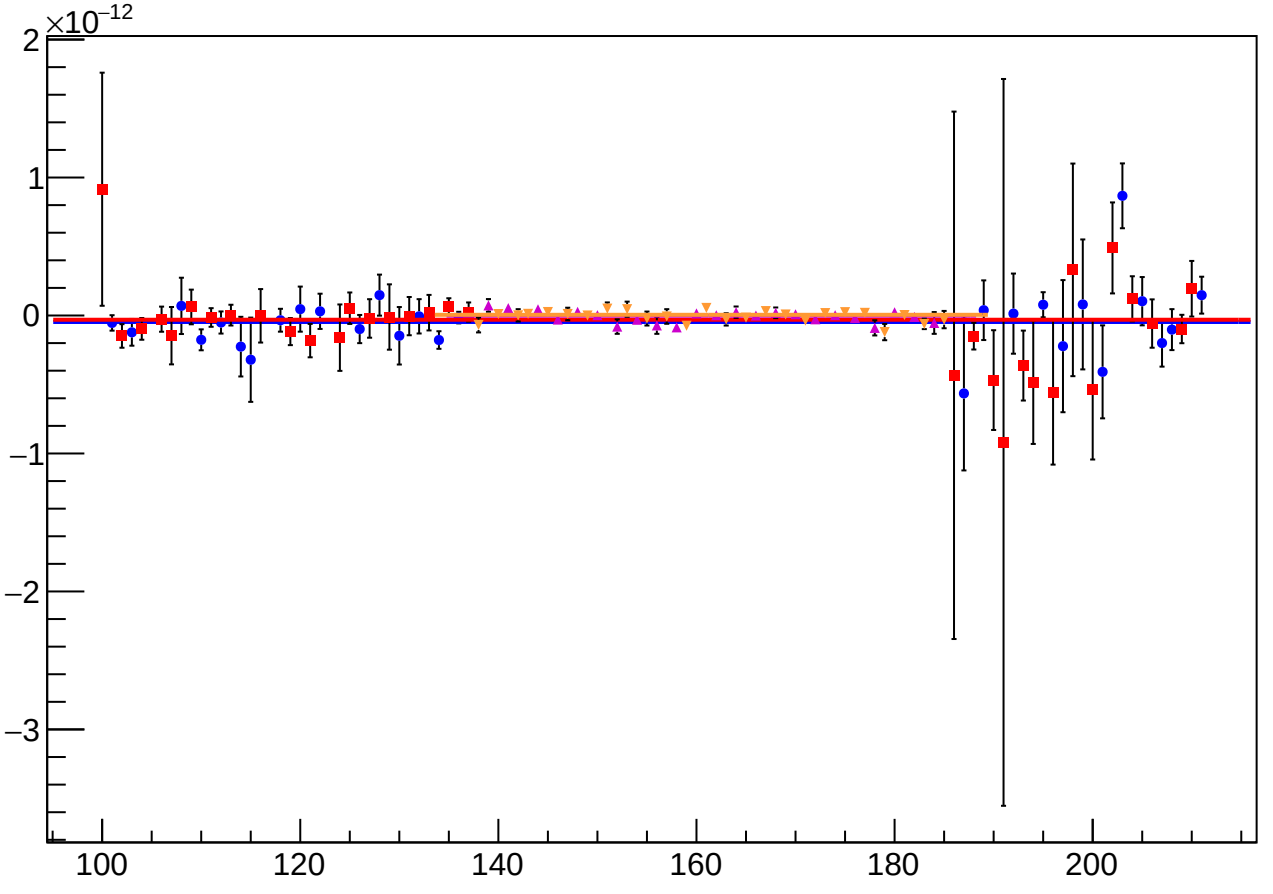
Left In: 927.321+/-0.155 χ^2/NDF:656539.8/22

+ sign 1051.804+/-0.131 χ^2/NDF: 6651637.8/52

All: 1055.602+/-0.093 χ^2/NDF: 14467946.3/1

- sign 1059.470+/-0.132 χ^2/NDF: 7814602.5/55

asym_sam_48_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 36.4/27

Left Out: 0.000+/-0.000 χ^2/NDF:25.4/24

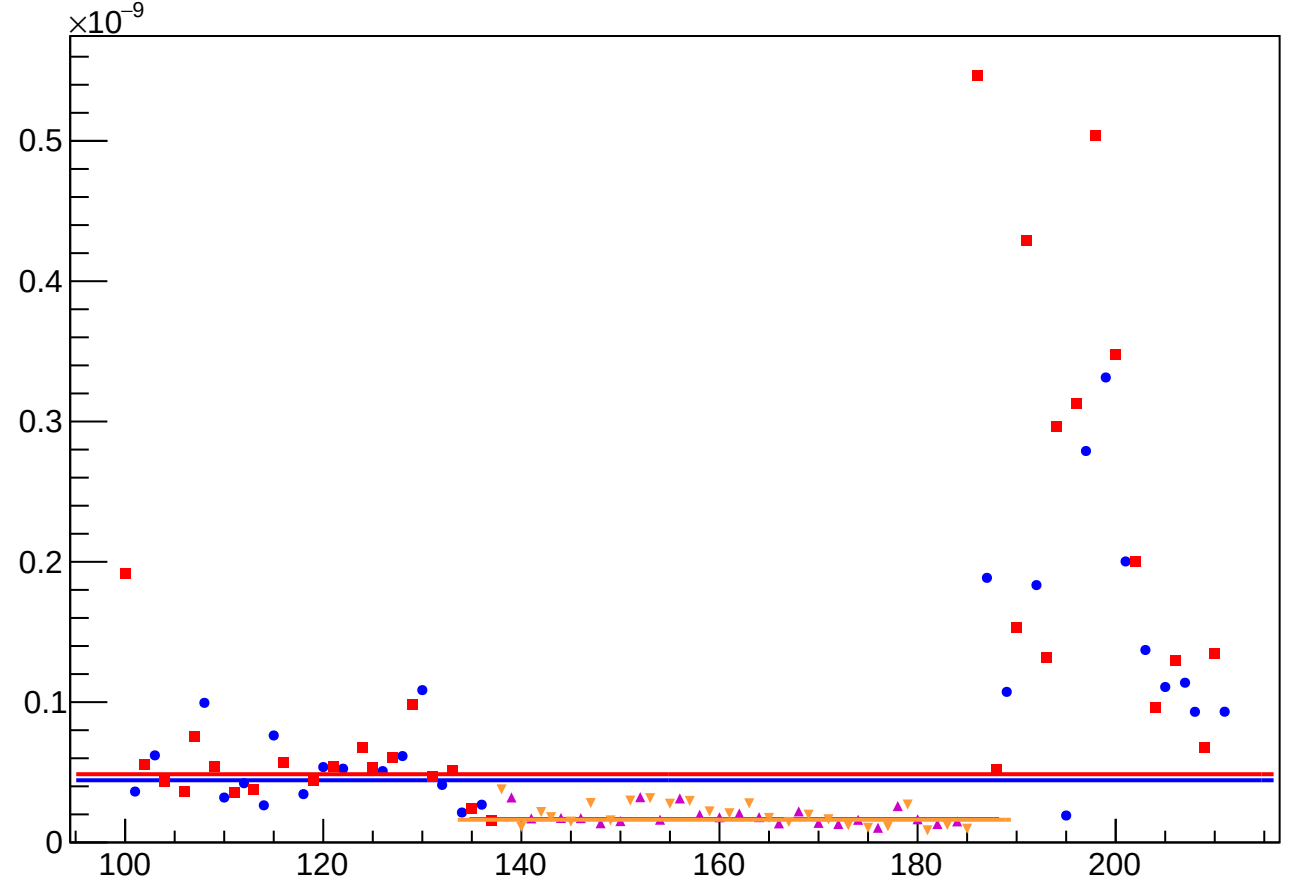
Right Out: -0.000+/-0.000 χ^2/NDF: 24.8/32

Left In: -0.000+/-0.000 χ^2/NDF:27.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 67.8/52

All: -0.000+/-0.000 χ^2/NDF: 122.3/108

- sign -0.000+/-0.000 χ^2/NDF: 54.3/55



Right In: 0.000+/-0.000 χ^2/NDF: 5199391.0/27

Left Out: 0.000+/-0.000 χ^2/NDF:2009728.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5725917.0/32

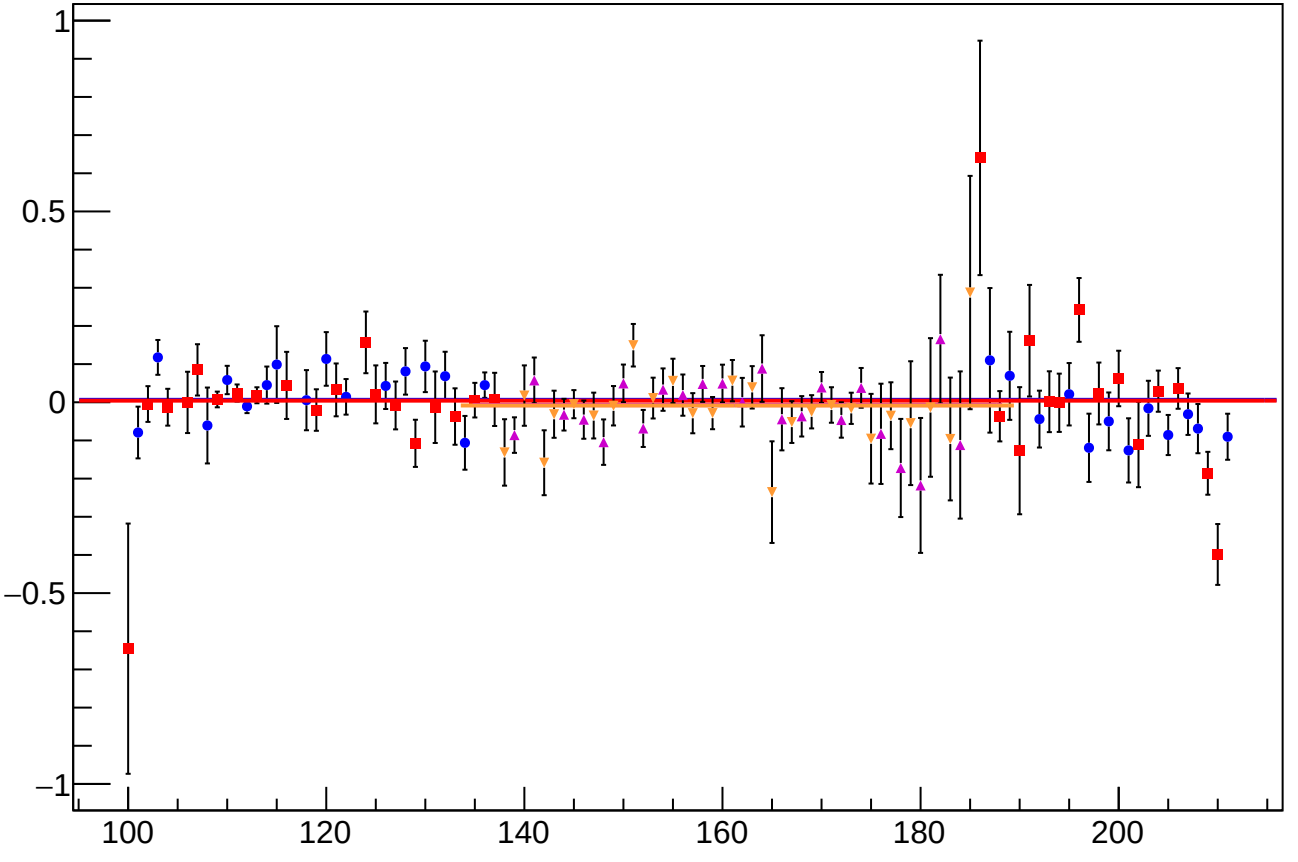
Left In: 0.000+/-0.000 χ^2/NDF:928356.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 10744191.2/52

All: 0.000+/-0.000 χ^2/NDF: 21522162.7/108

- sign 0.000+/-0.000 χ^2/NDF: 10759121.9/55

asym_sam_48_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.006+/-0.010 χ^2/NDF: 36.8/27

Left Out: -0.008+/-0.012 χ^2/NDF:23.2/24

Right Out: 0.004+/-0.009 χ^2/NDF: 68.6/32

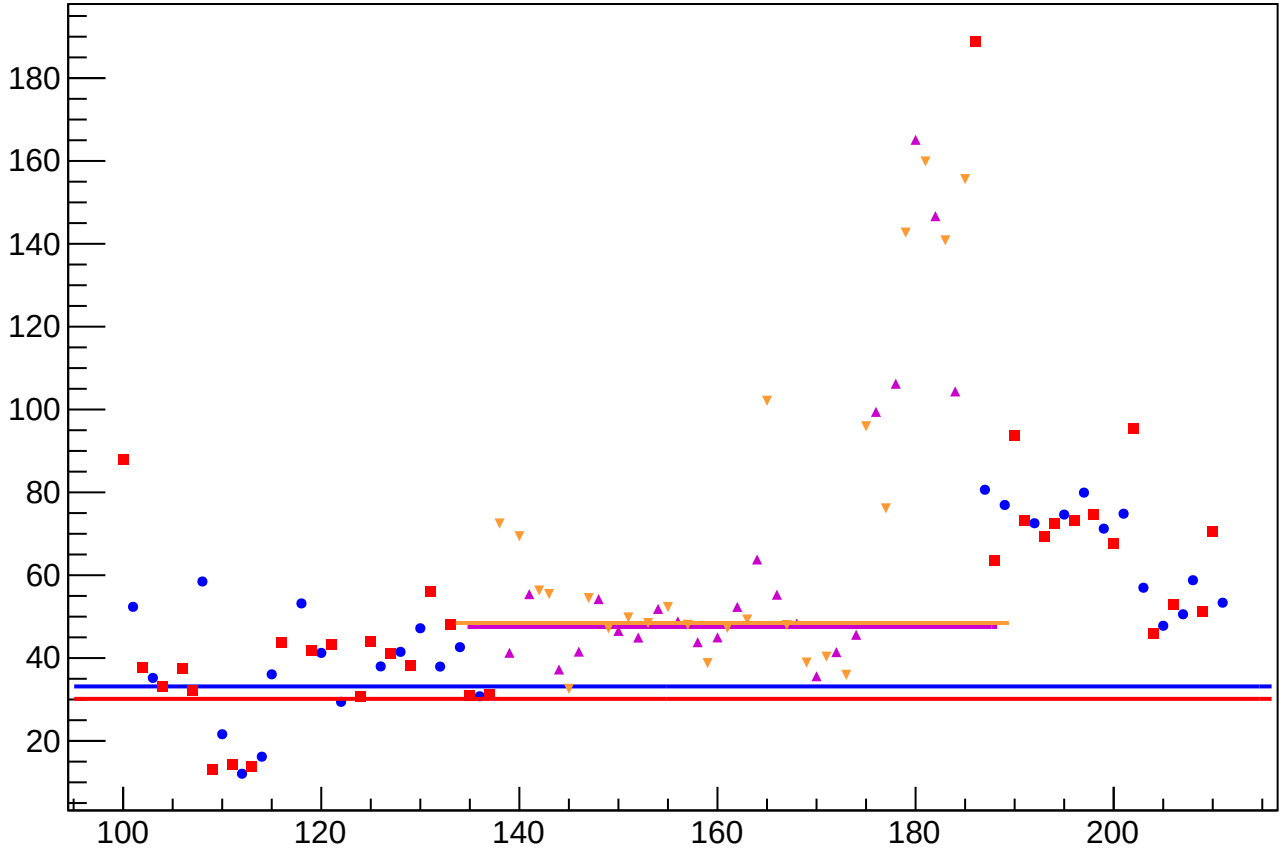
Left In: -0.007+/-0.012 χ^2/NDF:23.2/22

+ sign 0.000+/-0.008 χ^2/NDF: 60.9/52

All: 0.000+/-0.005 χ^2/NDF: 153.3/108

- sign 0.000+/-0.007 χ^2/NDF: 92.4/55

asym_sam_48_dd_dit_vs_cor_diff_rms vs Slug



Right In: 33.153+/-0.007 χ^2/NDF: 8076529.6/27

Left Out: 48.471+/-0.008 χ^2/NDF:4373812.0/24

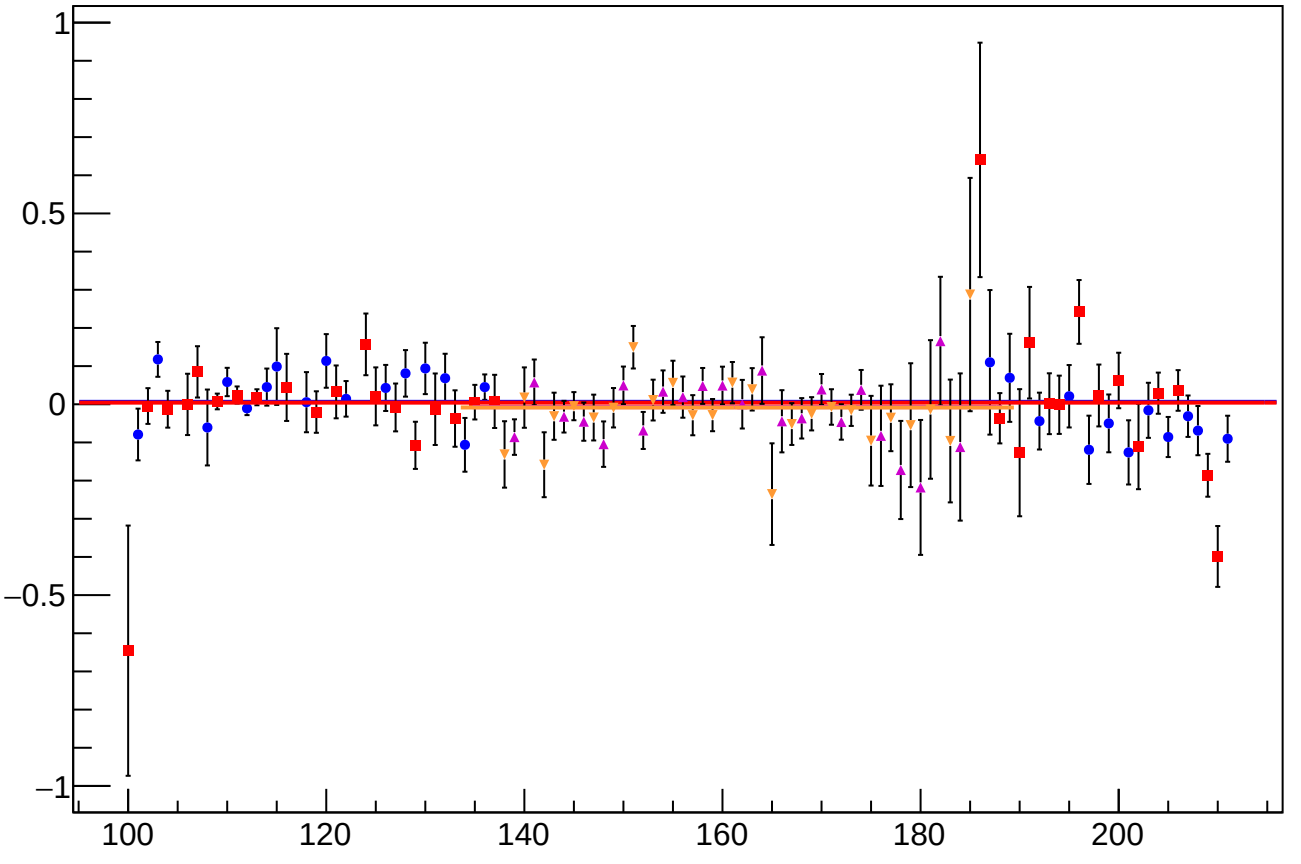
Right Out: 30.152+/-0.006 χ^2/NDF: 10627814.9/32

Left In: 47.505+/-0.009 χ^2/NDF:3075161.5/22

+ sign 39.266+/-0.005 χ^2/NDF: 14406435.4/52

All: 37.656+/-0.004 χ^2/NDF: 30980593.8/108

- sign 36.236+/-0.005 χ^2/NDF: 16404556.2/55



Right In: 0.006+/-0.010 χ^2/NDF: 36.8/27

Left Out: -0.008+/-0.012 χ^2/NDF:23.2/24

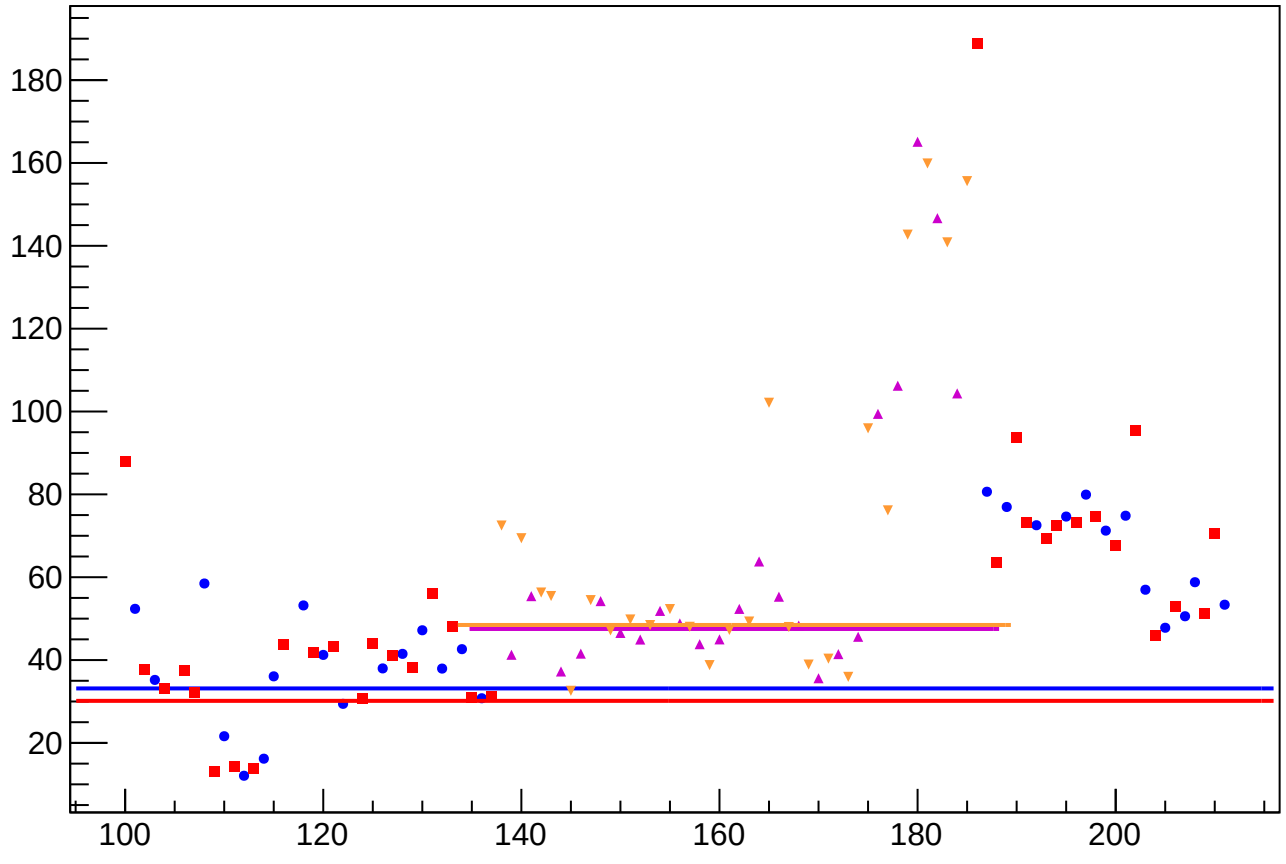
Right Out: 0.004+/-0.009 χ^2/NDF: 68.6/32

Left In: -0.007+/-0.012 χ^2/NDF:23.2/22

+ sign 0.000+/-0.008 χ^2/NDF: 60.9/52

All: 0.000+/-0.005 χ^2/NDF: 153.3/108

- sign 0.000+/-0.007 χ^2/NDF: 92.4/55



Right In: 33.153+/-0.007 χ^2/NDF: 8076529.6/27

Left Out: 48.471+/-0.008 χ^2/NDF:4373812.0/24

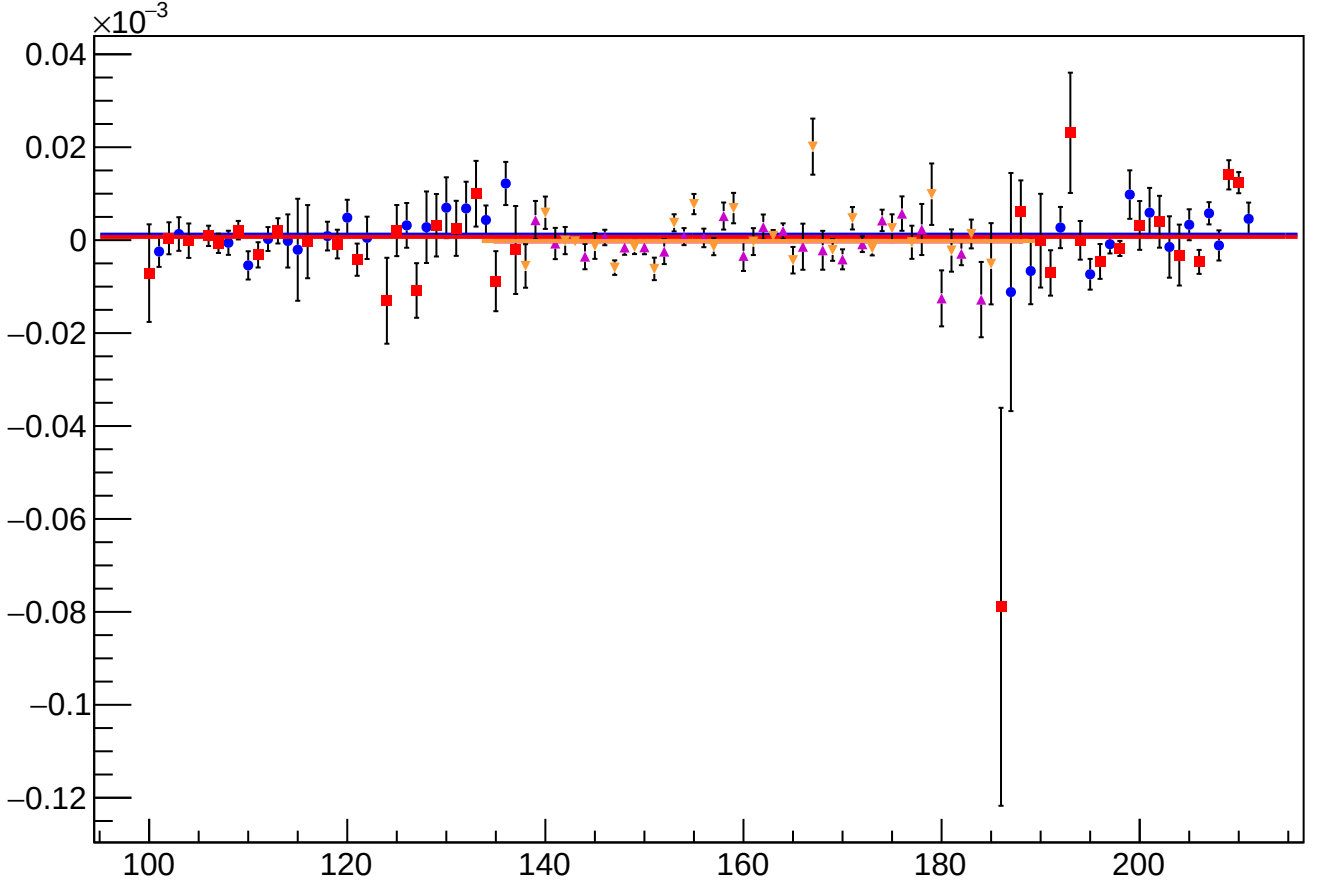
Right Out: 30.152+/-0.006 χ^2/NDF: 10627814.9/32

Left In: 47.505+/-0.009 χ^2/NDF:3075161.5/22

+ sign 39.266+/-0.005 χ^2/NDF: 14406435.4/52

All: 37.656+/-0.004 χ^2/NDF: 30980593.8/108

- sign 36.236+/-0.005 χ^2/NDF: 16404556.2/55



Right In: 0.000+/-0.000 χ^2/NDF: 34.7/27

Left Out: -0.000+/-0.000 χ^2/NDF:71.7/24

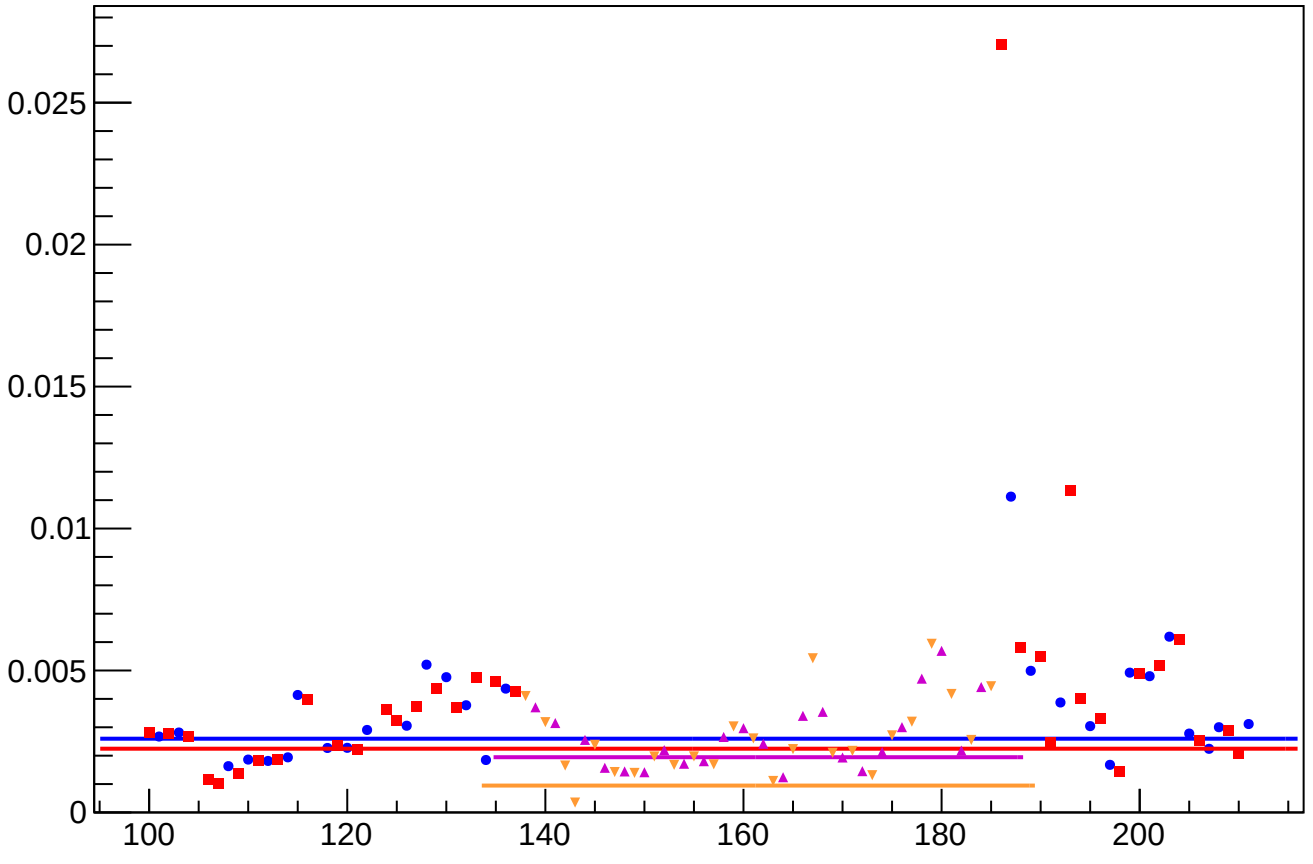
Right Out: 0.000+/-0.000 χ^2/NDF: 80.1/32

Left In: -0.000+/-0.000 χ^2/NDF:30.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 109.7/52

All: 0.000+/-0.000 χ^2/NDF: 222.2/108

- sign 0.000+/-0.000 χ^2/NDF: 112.5/55



Right In: 0.003+/-0.000 χ^2/NDF: 4184181.8/27

Left Out: 0.001+/-0.000 χ^2/NDF:17608951.7/24

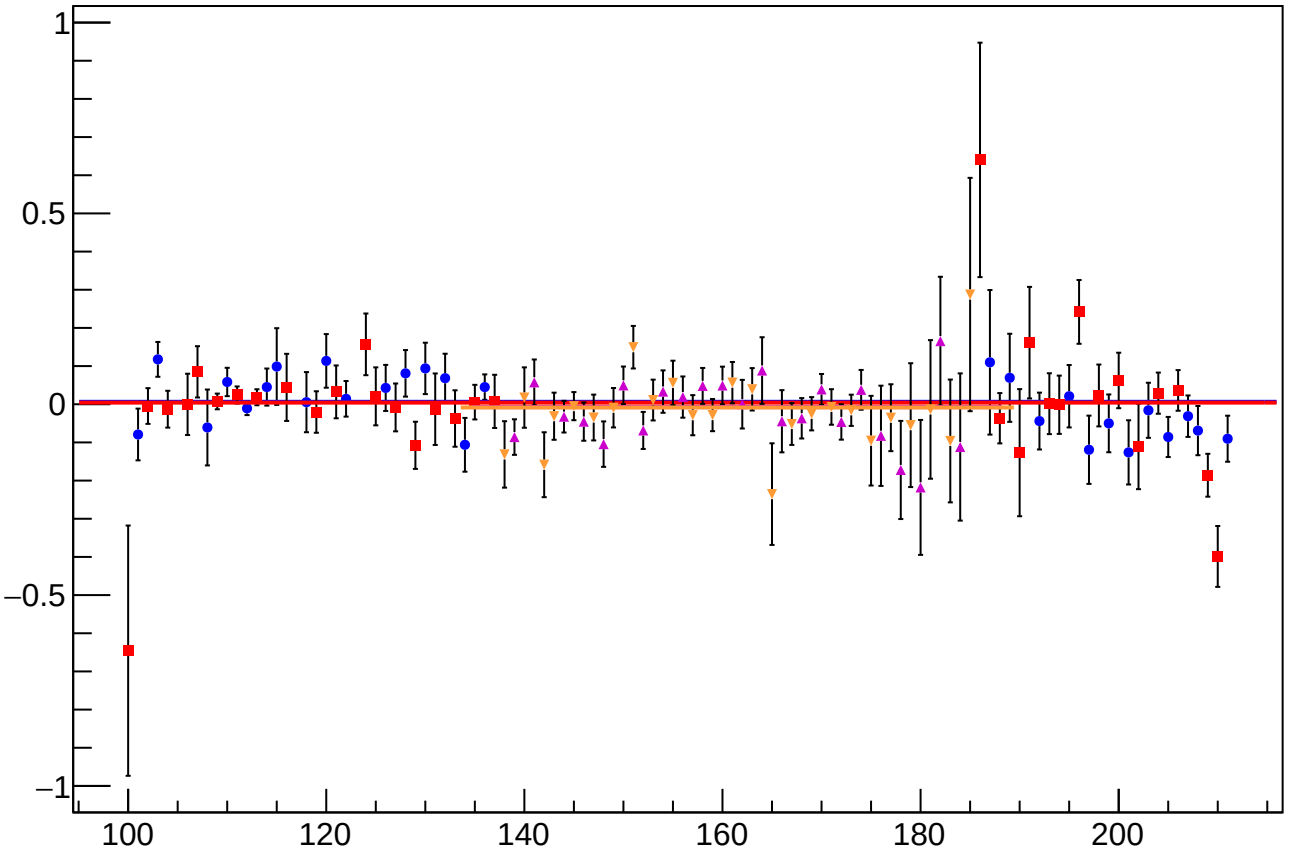
Right Out: 0.002+/-0.000 χ^2/NDF: 8341705.2/32

Left In: 0.002+/-0.000 χ^2/NDF:4362371.5/22

+ sign 0.001+/-0.000 χ^2/NDF: 31214002.3/52

All: 0.001+/-0.000 χ^2/NDF: 50728490.1/108

- sign 0.002+/-0.000 χ^2/NDF: 12991044.5/55



Right In: 0.006+/-0.010 χ^2/NDF: 36.8/27

Left Out: -0.008+/-0.012 χ^2/NDF:23.2/24

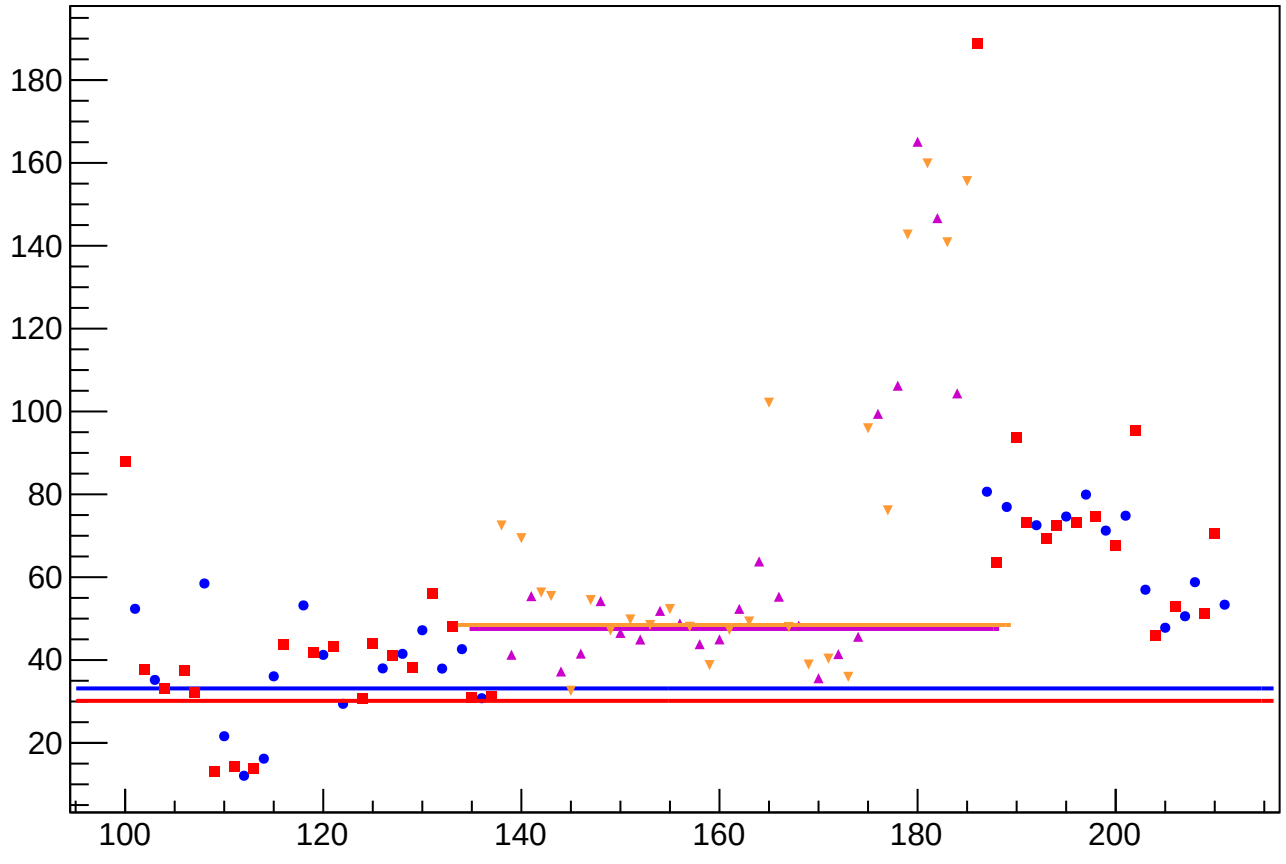
Right Out: 0.004+/-0.009 χ^2/NDF: 68.6/32

Left In: -0.007+/-0.012 χ^2/NDF:23.2/22

+ sign 0.000+/-0.008 χ^2/NDF: 60.9/52

All: 0.000+/-0.005 χ^2/NDF: 153.3/108

- sign 0.000+/-0.007 χ^2/NDF: 92.4/55



Right In: 33.151+/-0.007 χ^2/NDF: 8077333.6/27

Left Out: 48.471+/-0.008 χ^2/NDF:4373775.4/24

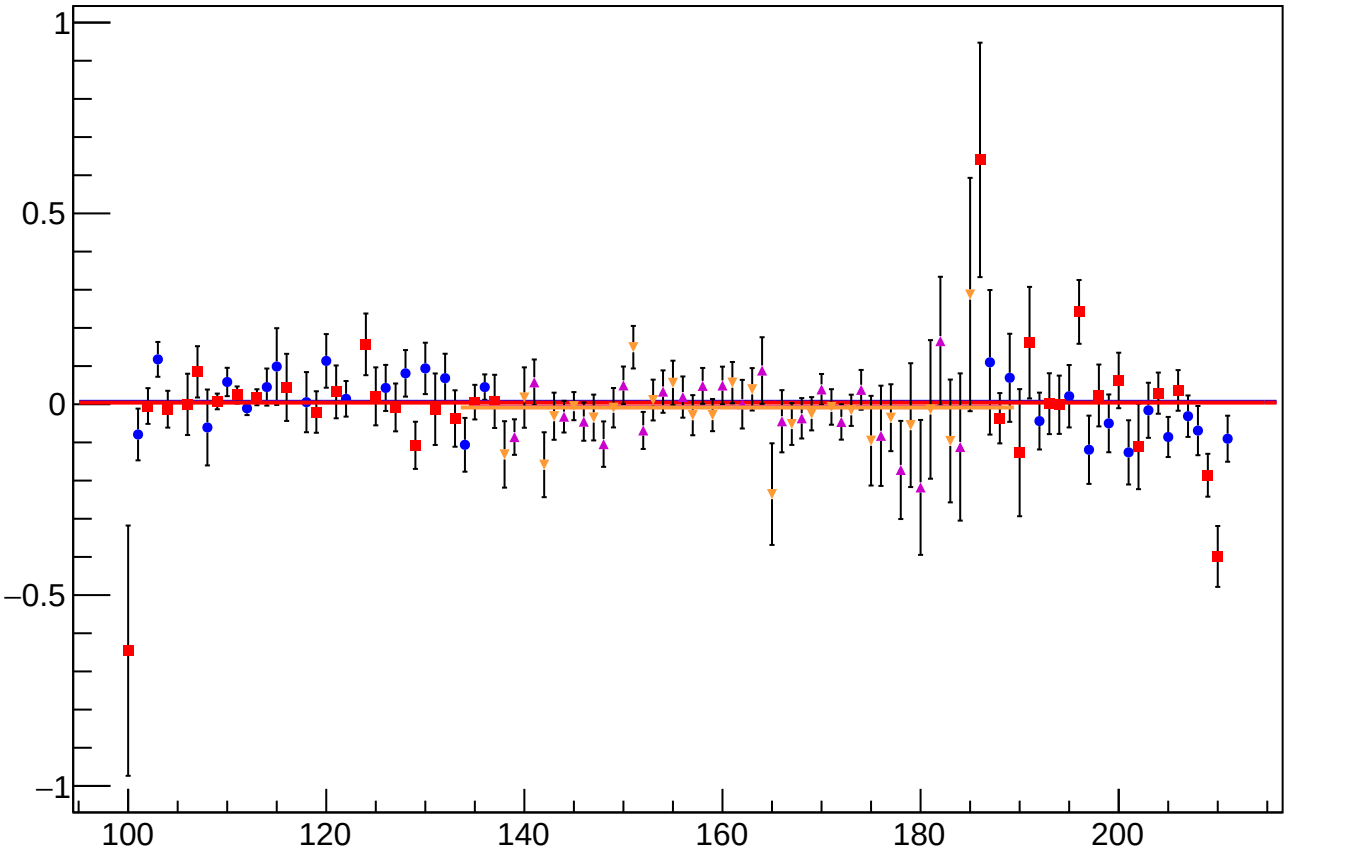
Right Out: 30.152+/-0.006 χ^2/NDF: 10628117.1/32

Left In: 47.505+/-0.009 χ^2/NDF:3075116.0/22

+ sign 39.265+/-0.005 χ^2/NDF: 14407650.0/52

All: 37.655+/-0.004 χ^2/NDF: 30982169.1/108

- sign 36.235+/-0.005 χ^2/NDF: 16404995.5/55



Right In: 0.006+/-0.010 χ^2/NDF: 36.8/27

Left Out: -0.008+/-0.012 χ^2/NDF:23.2/24

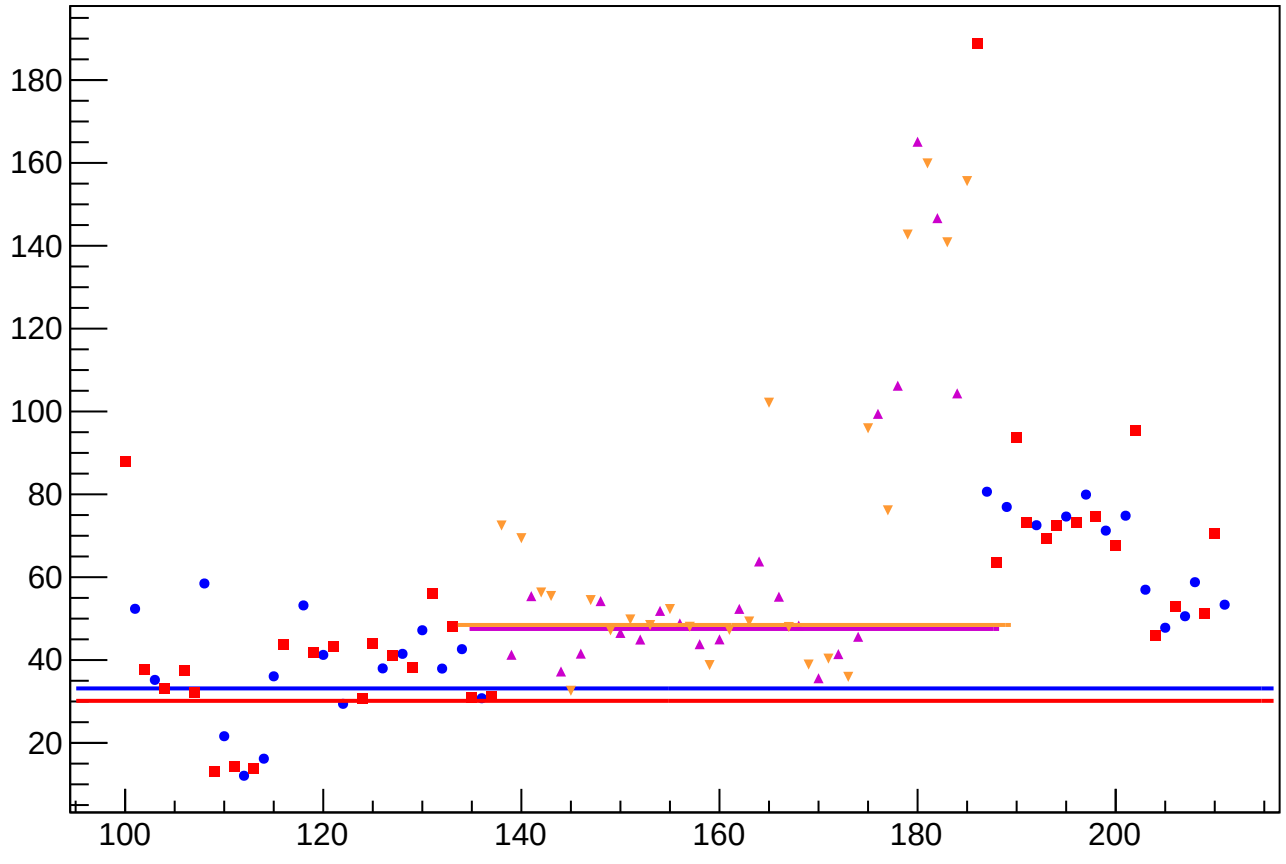
Right Out: 0.004+/-0.009 χ^2/NDF: 68.6/32

Left In: -0.007+/-0.012 χ^2/NDF:23.2/22

+ sign 0.000+/-0.008 χ^2/NDF: 60.9/52

All: 0.000+/-0.005 χ^2/NDF: 153.3/108

- sign 0.000+/-0.007 χ^2/NDF: 92.4/55



Right In: 33.151+/-0.007 χ^2/NDF: 8077333.6/27

Left Out: 48.471+/-0.008 χ^2/NDF:4373775.4/24

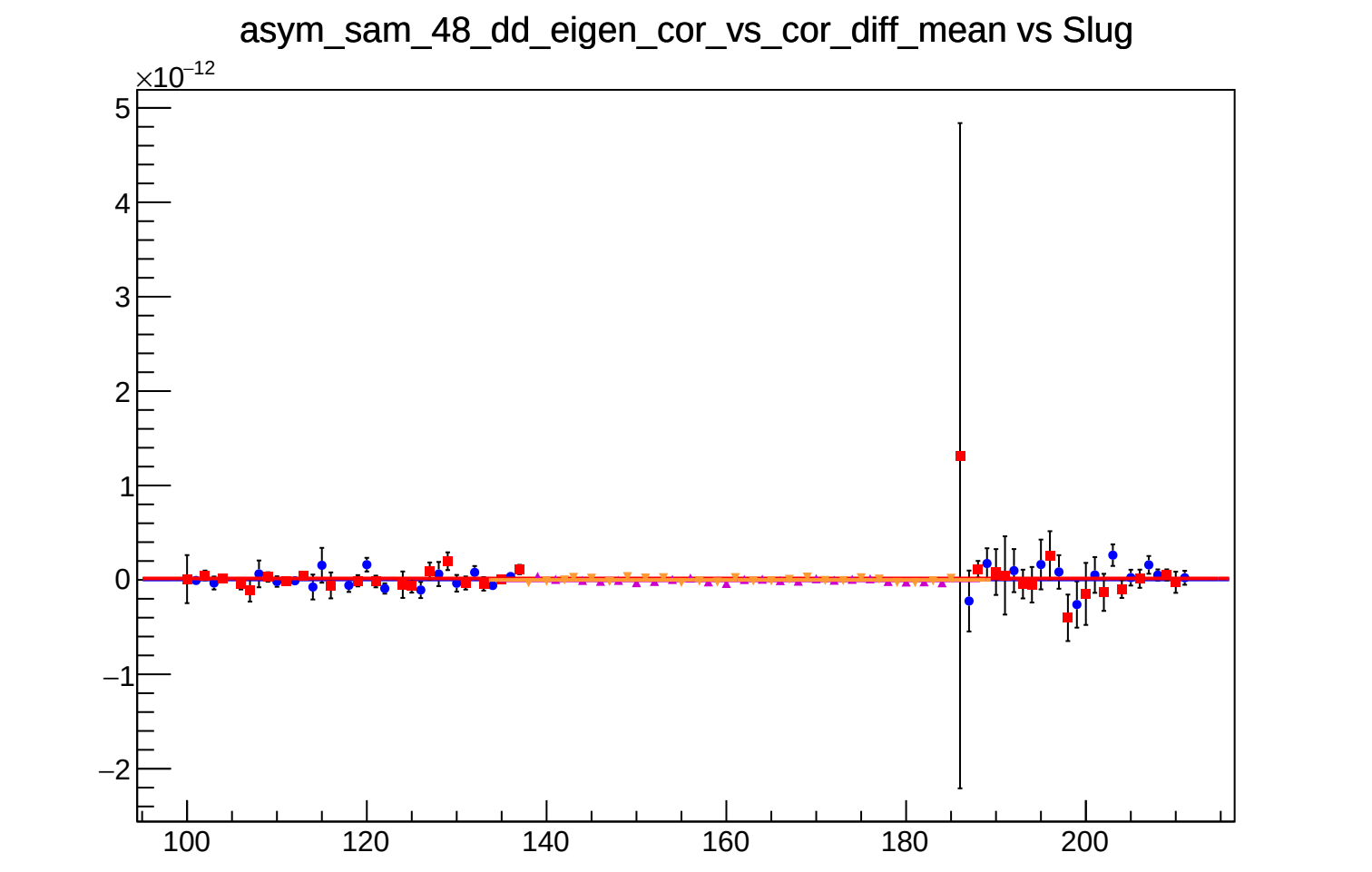
Right Out: 30.152+/-0.006 χ^2/NDF: 10628117.1/32

Left In: 47.505+/-0.009 χ^2/NDF:3075116.0/22

+ sign 39.265+/-0.005 χ^2/NDF: 14407650.0/52

All: 37.655+/-0.004 χ^2/NDF: 30982169.1/108

- sign 36.235+/-0.005 χ^2/NDF: 16404995.5/55



Right In: 0.000+/-0.000 χ^2/NDF: 31.6/27

Left Out: 0.000+/-0.000 χ^2/NDF:31.4/24

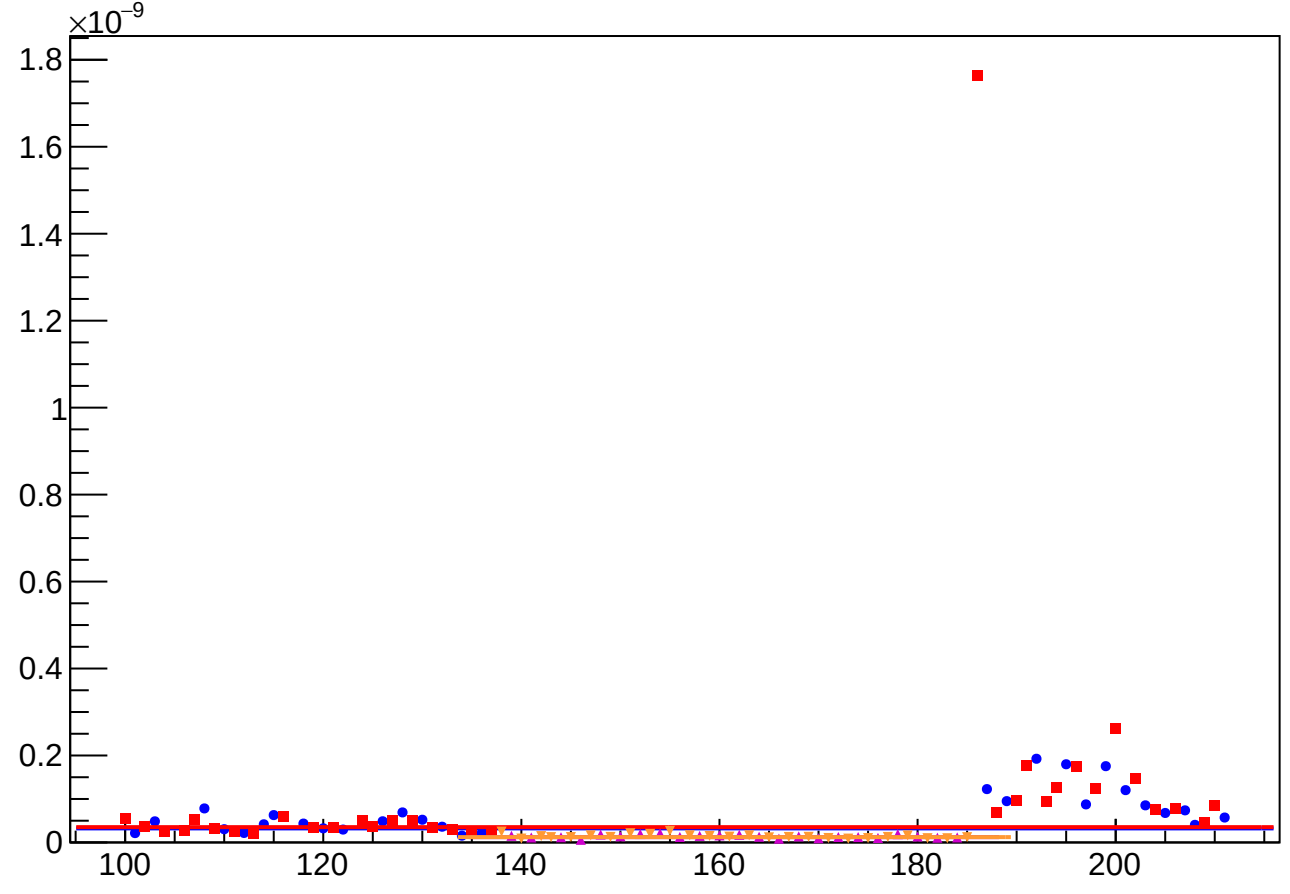
Right Out: 0.000+/-0.000 χ^2/NDF: 23.2/32

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

+ sign 0.000+/-0.000 χ^2/NDF: 63.1/52

All: -0.000+/-0.000 χ^2/NDF: 108.8/108

- sign -0.000+/-0.000 χ^2/NDF: 44.9/55



Right In: 0.000+/-0.000 χ^2/NDF: 6929421.1/27

Left Out: 0.000+/-0.000 χ^2/NDF:1915201.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6937588.6/32

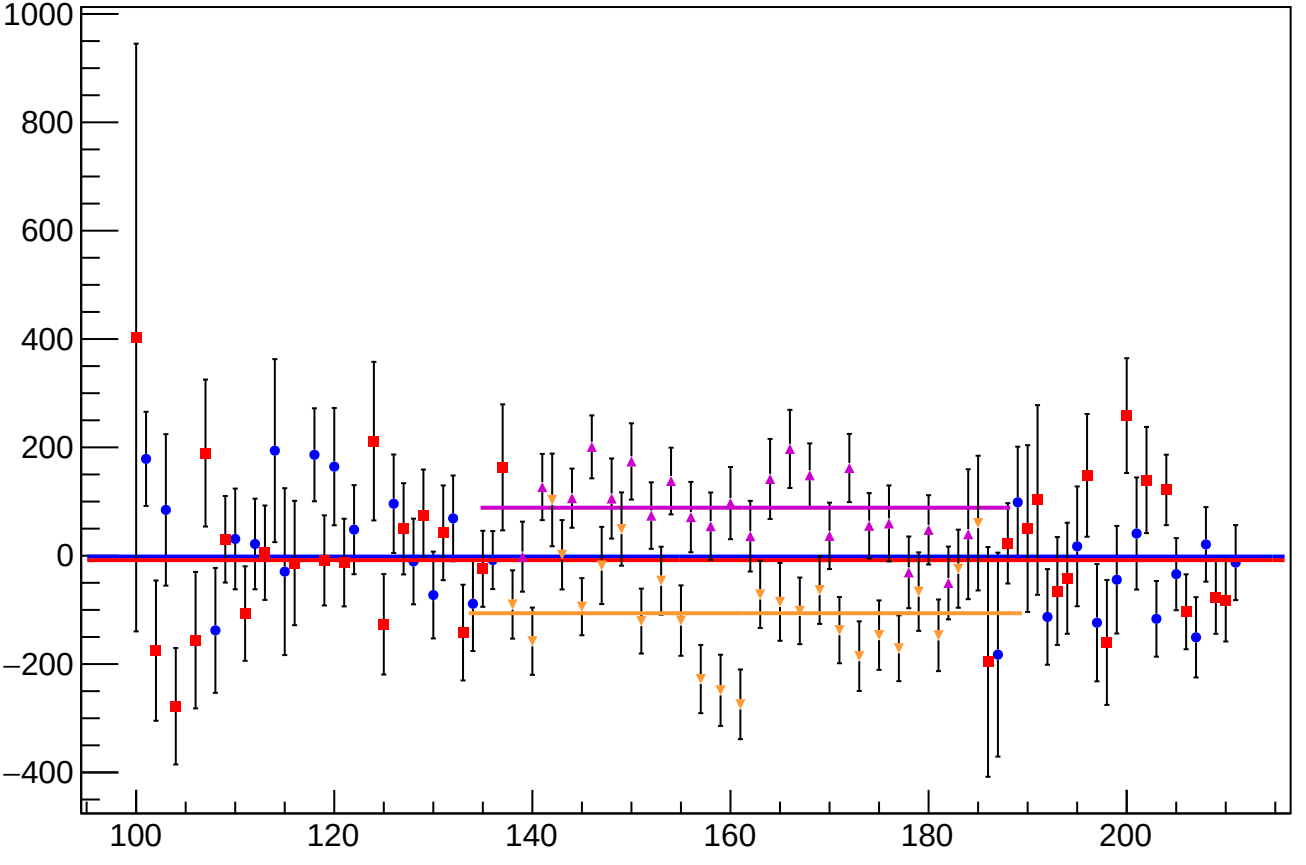
Left In: 0.000+/-0.000 χ^2/NDF:1925839.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 14131311.0/52

All: 0.000+/-0.000 χ^2/NDF: 29368596.3/108

- sign 0.000+/-0.000 χ^2/NDF: 15235554.4/55

reg_asym_sam_13_57_dd_mean vs Slug



Right In: -1.579+/-16.468 χ^2/NDF: 31.2/27

Left Out: -106.100+/-13.089 χ^2/NDF:40.7/24

Right Out: -8.194+/-16.440 χ^2/NDF: 45.8/32

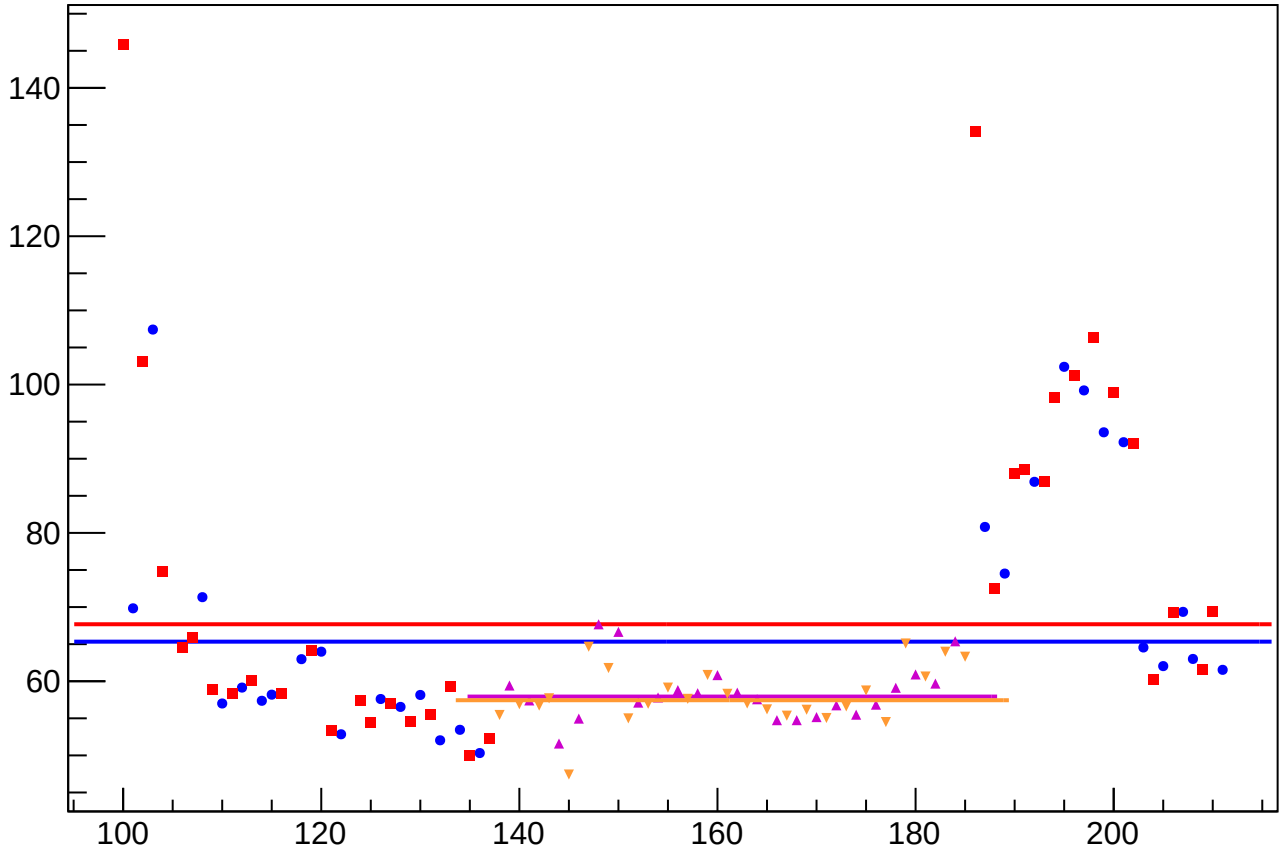
Left In: 88.619+/-13.566 χ^2/NDF:23.9/22

+ sign -65.635+/-10.247 χ^2/NDF: 96.5/52

All: -9.321+/-7.321 χ^2/NDF: 248.5/108

- sign 49.399+/-10.463 χ^2/NDF: 90.3/55

reg_asym_sam_13_57_dd_rms vs Slug



Right In: 65.337+/-0.012 χ^2/NDF: 1467569.6/27

Left Out: 57.440+/-0.009 χ^2/NDF:174555.9/24

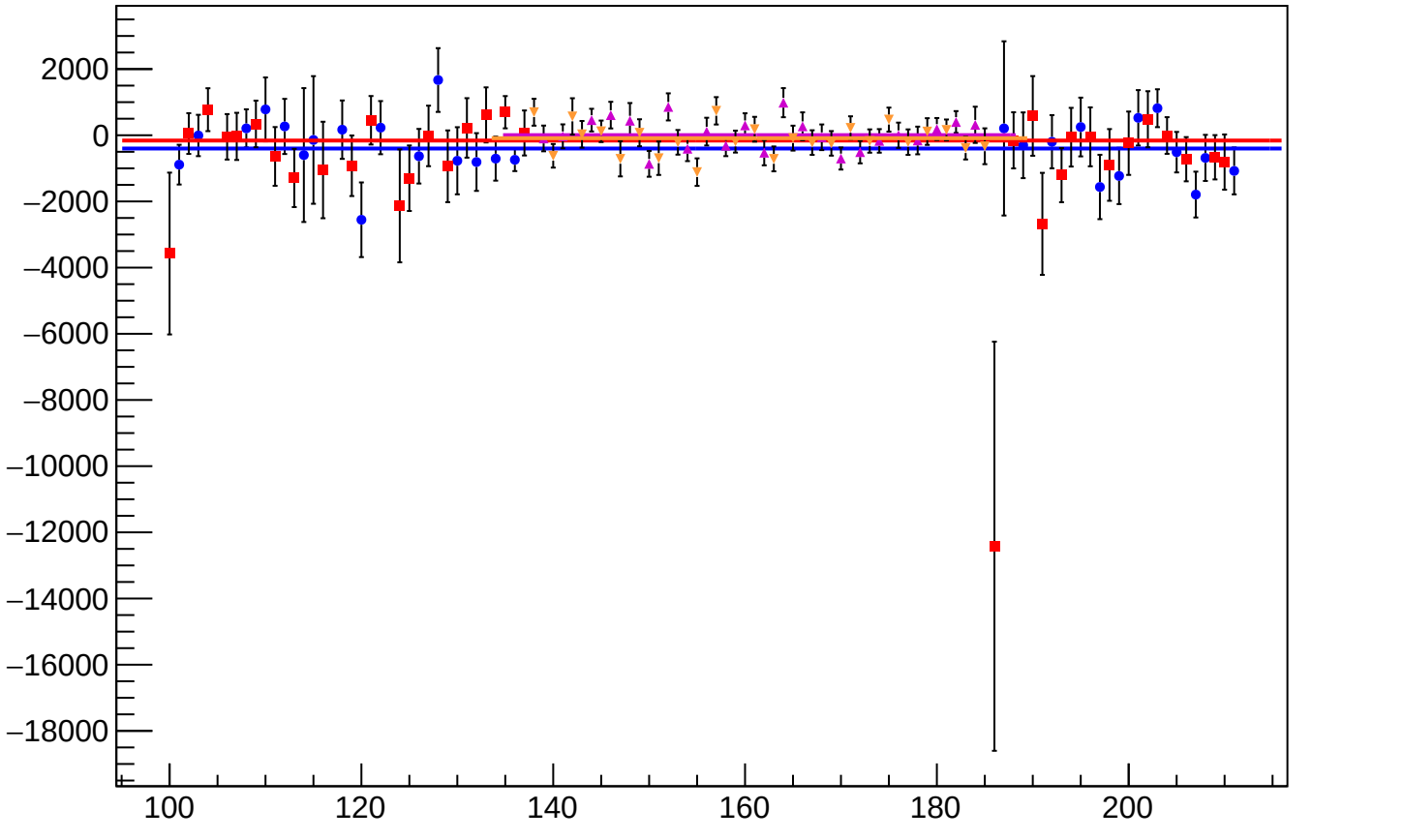
Right Out: 67.684+/-0.012 χ^2/NDF: 1956867.2/32

Left In: 57.933+/-0.010 χ^2/NDF:135903.0/22

\+ sign 60.497+/-0.007 χ^2/NDF: 1923934.2/52

All: 61.176+/-0.005 χ^2/NDF: 4453264.0/108

\- sign 61.883+/-0.007 χ^2/NDF: 2511419.9/55



Right In: -401.250+/-140.917 χ^2/NDF: 29.2/27

Left Out: -89.059+/-77.011 χ^2/NDF:29.9/24

Right Out: -160.163+/-143.017 χ^2/NDF: 27.5/32

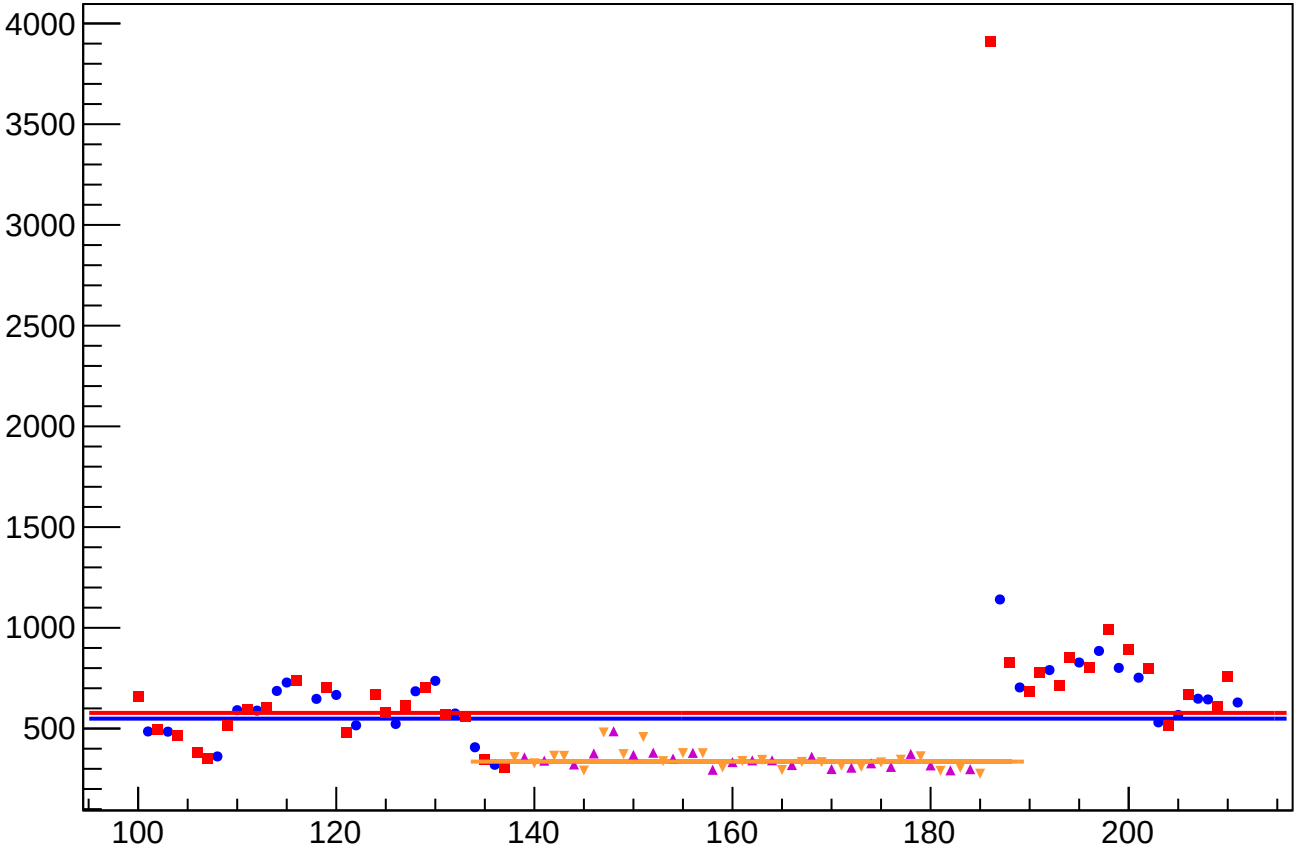
Left In: 3.046+/-79.193 χ^2/NDF:33.6/22

+ sign -160.855+/-67.578 χ^2/NDF: 62.9/52

All: -99.617+/-48.376 χ^2/NDF: 126.7/108

- sign -35.254+/-69.281 χ^2/NDF: 62.1/55

asym_sam_13_57_dd_reg_correction_rms vs Slug



Right In: 549.161+/-0.100 χ^2/NDF: 2609865.2/27

Left Out: 335.894+/-0.054 χ^2/NDF:533835.0/24

Right Out: 577.655+/-0.101 χ^2/NDF: 3368273.6/32

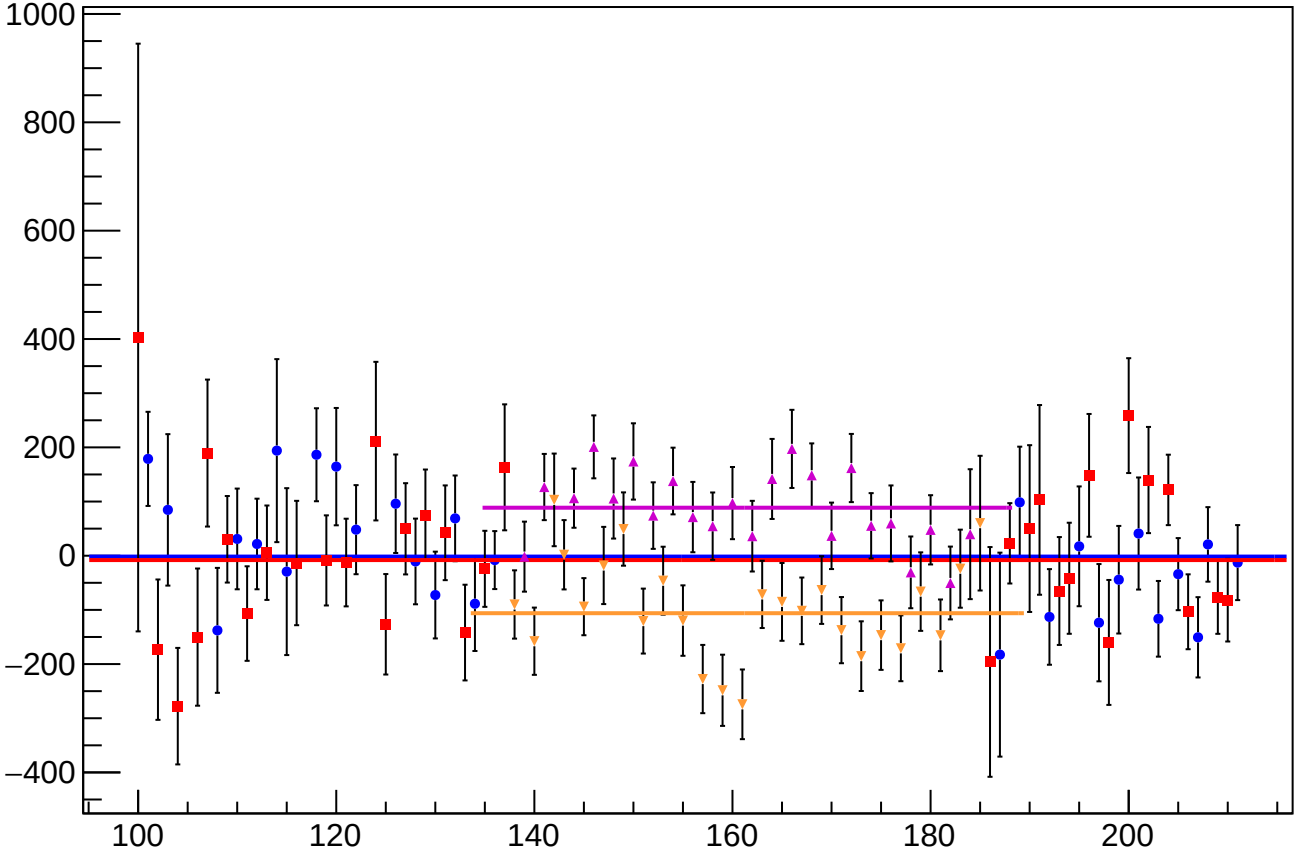
Left In: 336.343+/-0.056 χ^2/NDF:414202.1/22

+ sign 384.940+/-0.048 χ^2/NDF: 6671075.1/52

All: 388.856+/-0.034 χ^2/NDF: 14825039.5/10

- sign 392.971+/-0.049 χ^2/NDF: 8140195.7/55

cor_asym_sam_13_57_dd_mean vs Slug



Right In: -1.583+/-16.468 χ^2/NDF: 31.2/27

Left Out: -106.099+/-13.089 χ^2/NDF:40.7/24

Right Out: -8.040+/-16.441 χ^2/NDF: 45.6/32

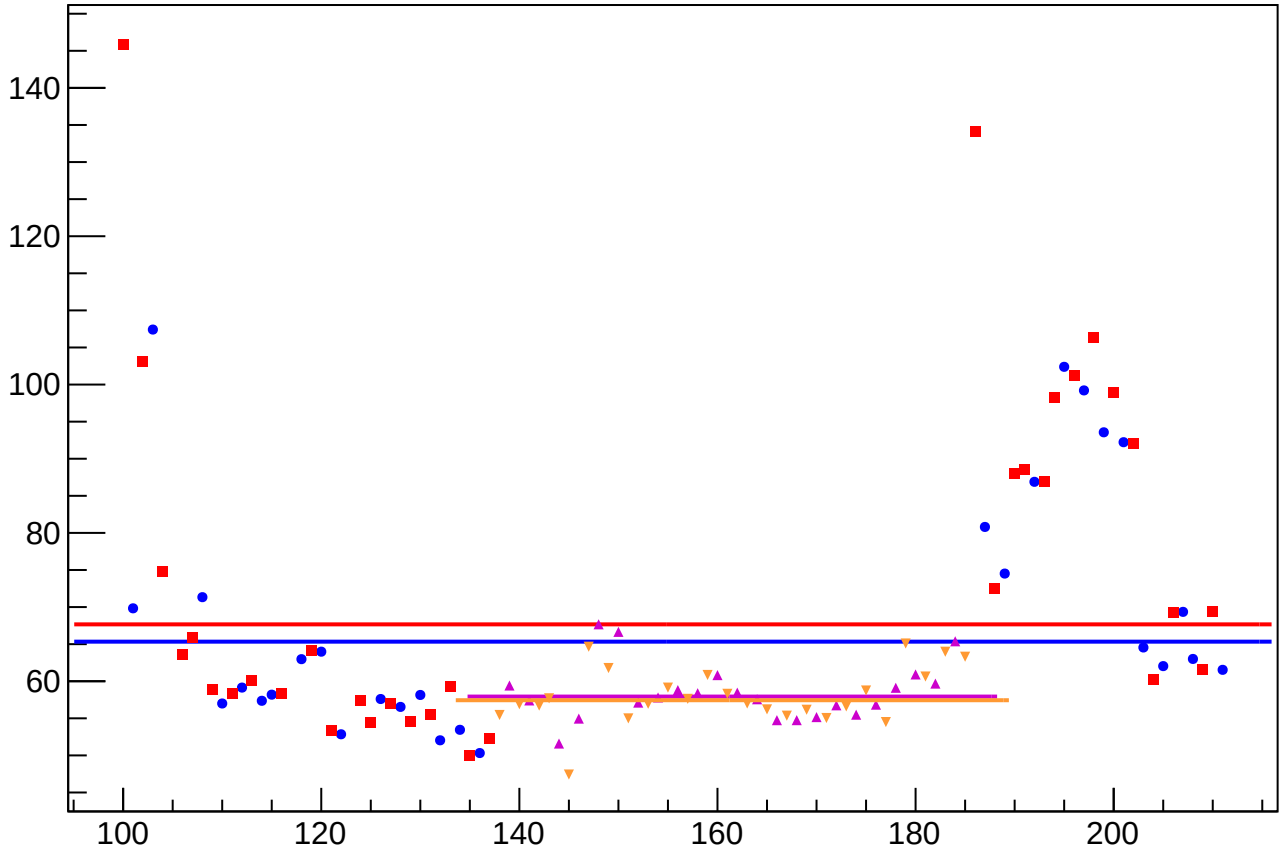
Left In: 88.621+/-13.566 χ^2/NDF:23.9/22

+ sign -65.636+/-10.247 χ^2/NDF: 96.5/52

All: -9.291+/-7.321 χ^2/NDF: 248.4/108

- sign 49.468+/-10.464 χ^2/NDF: 90.1/55

cor_asym_sam_13_57_dd_rms vs Slug



Right In: 65.337+/-0.012 χ^2/NDF: 1467571.6/27

Left Out: 57.440+/-0.009 χ^2/NDF:174555.9/24

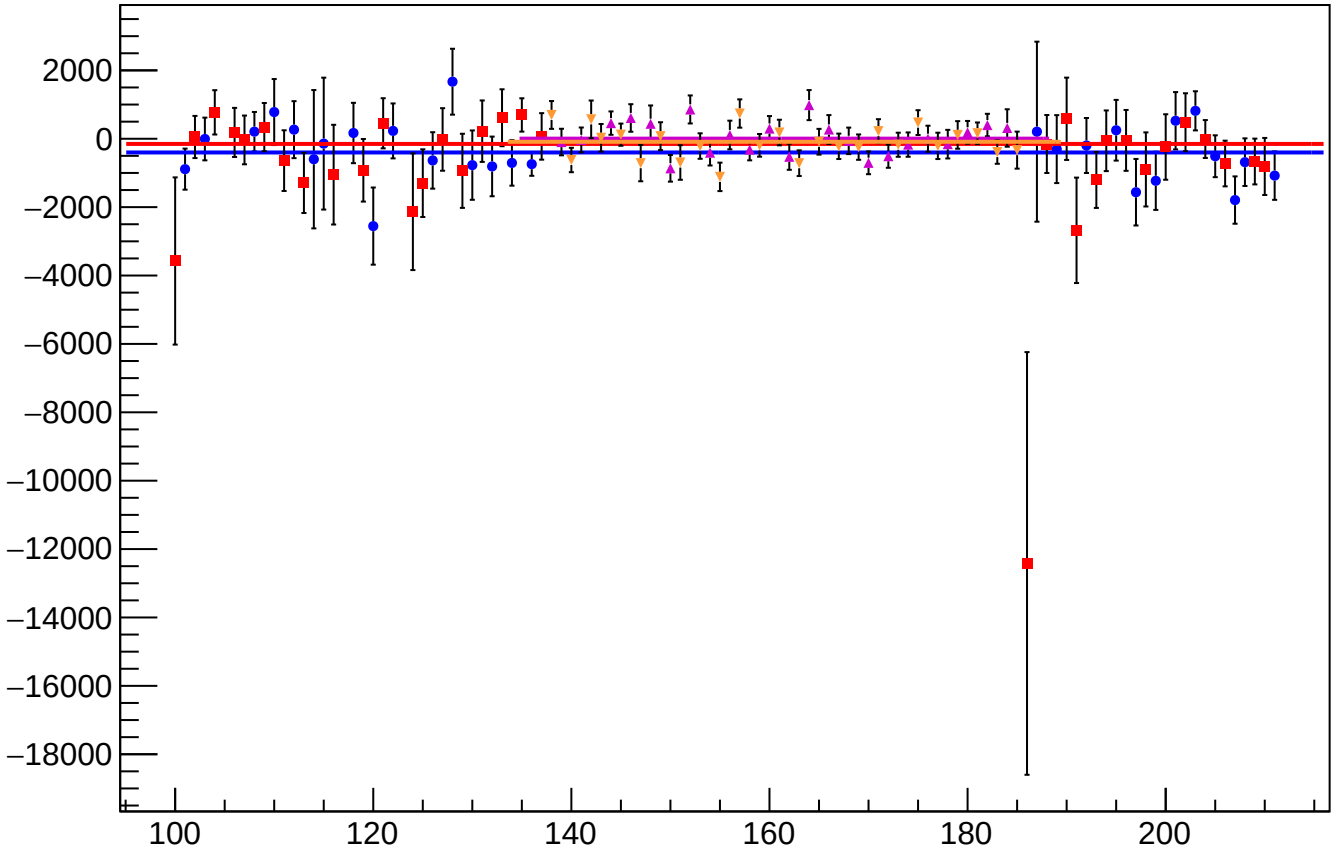
Right Out: 67.669+/-0.012 χ^2/NDF: 1957947.6/32

Left In: 57.933+/-0.010 χ^2/NDF:135903.0/22

+ sign 60.497+/-0.007 χ^2/NDF: 1923936.2/52

All: 61.172+/-0.005 χ^2/NDF: 4452756.4/108

- sign 61.876+/-0.007 χ^2/NDF: 2511088.8/55



Right In: -401.232+/-140.918 χ^2/NDF: 29.2/27

Left Out: -89.061+/-77.011 χ^2/NDF:29.9/24

Right Out: -151.326+/-143.286 χ^2/NDF: 27.7/32

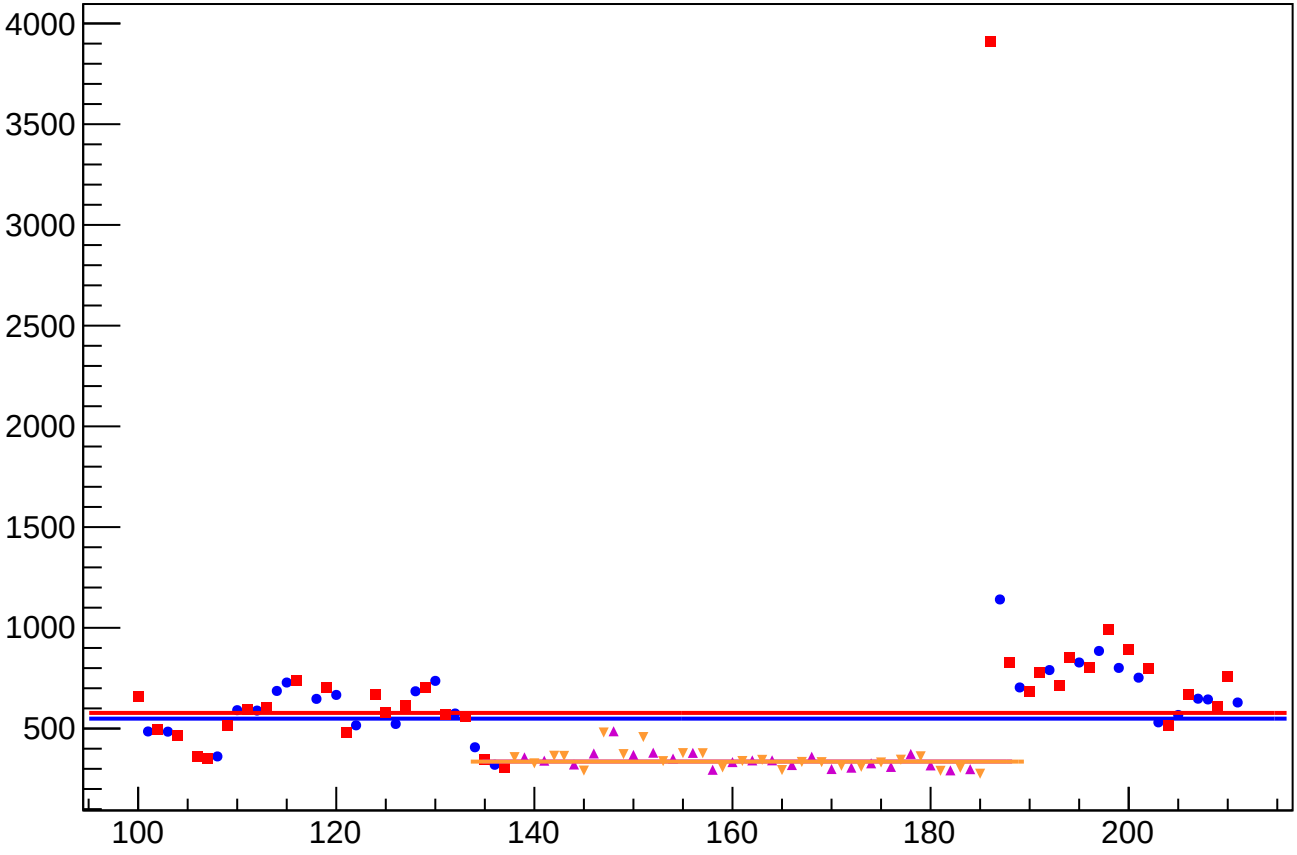
Left In: 3.047+/-79.193 χ^2/NDF:33.6/22

+ sign -160.852+/-67.578 χ^2/NDF: 62.9/52

All: -98.581+/-48.386 χ^2/NDF: 126.8/108

- sign -33.075+/-69.311 χ^2/NDF: 62.2/55

asym_sam_13_57_dd_cor_correction_rms vs Slug



Right In: 549.163+/-0.100 χ^2/NDF: 2609836.9/27

Left Out: 335.894+/-0.054 χ^2/NDF:533835.9/24

Right Out: 577.572+/-0.101 χ^2/NDF: 3387628.8/32

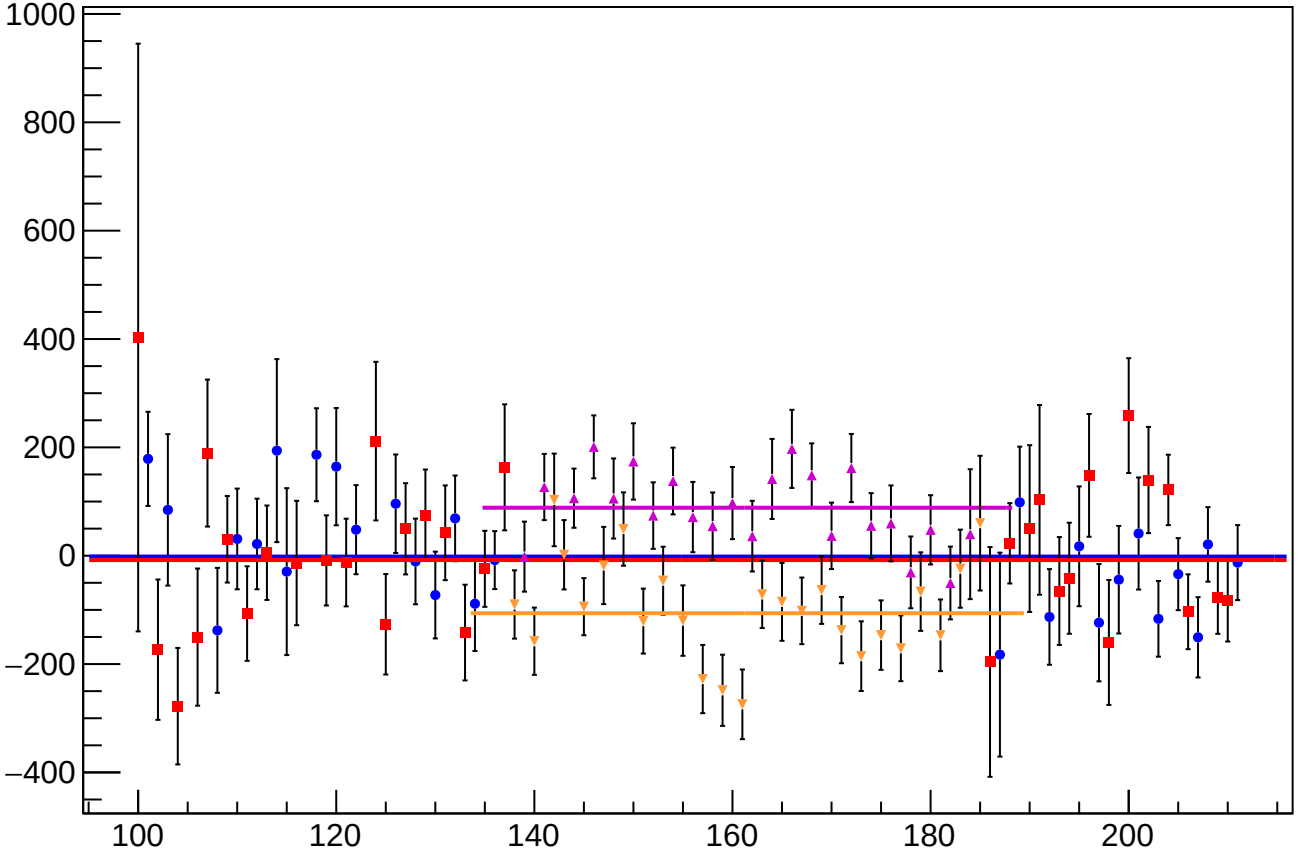
Left In: 336.343+/-0.056 χ^2/NDF:414205.9/22

+ sign 384.941+/-0.048 χ^2/NDF: 6671099.8/52

All: 388.765+/-0.034 χ^2/NDF: 14828327.1/10

- sign 392.789+/-0.049 χ^2/NDF: 8144082.2/55

eigen_cor_asym_sam_13_57_dd_mean vs Slug



Right In: -1.583+/-16.468 χ^2/NDF: 31.2/27

Left Out: -106.099+/-13.089 χ^2/NDF:40.7/24

Right Out: -8.040+/-16.441 χ^2/NDF: 45.6/32

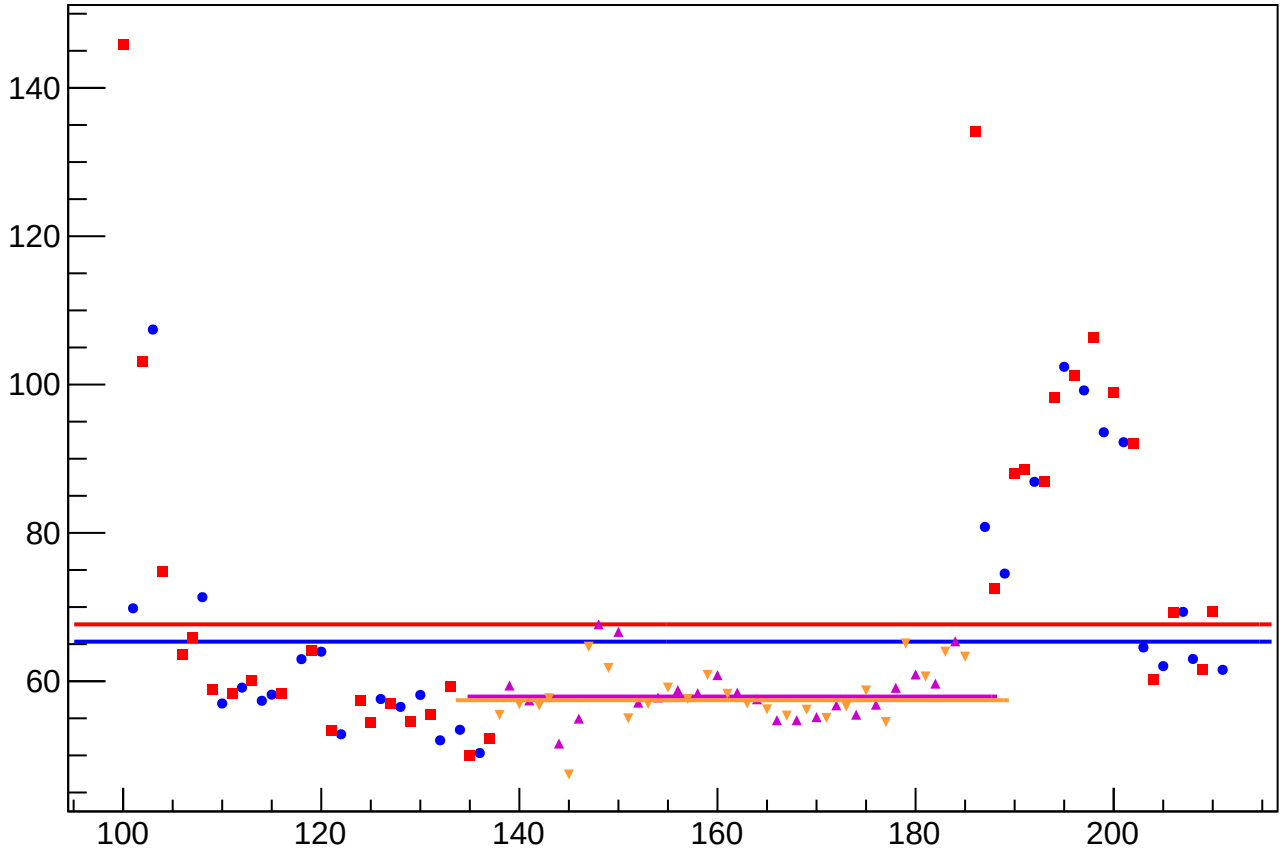
Left In: 88.621+/-13.566 χ^2/NDF:23.9/22

\+ sign -65.636+/-10.247 χ^2/NDF: 96.5/52

All: -9.291+/-7.321 χ^2/NDF: 248.4/108

\- sign 49.468+/-10.464 χ^2/NDF: 90.1/55

eigen_cor_asym_sam_13_57_dd_rms vs Slug



Right In: 65.337+/-0.012 χ^2/NDF: 1467571.6/27

Left Out: 57.440+/-0.009 χ^2/NDF:174555.9/24

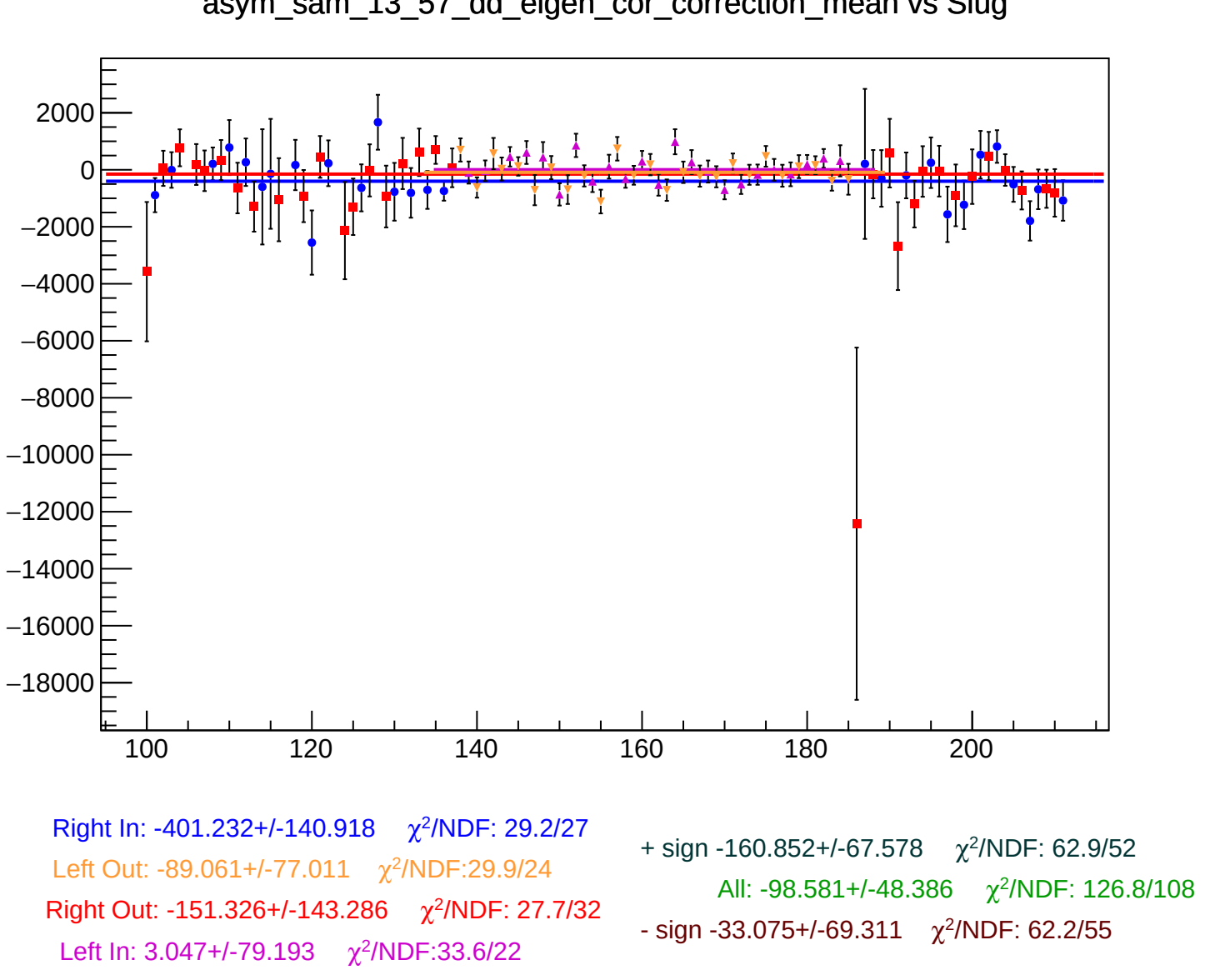
Right Out: 67.669+/-0.012 χ^2/NDF: 1957947.6/32

Left In: 57.933+/-0.010 χ^2/NDF:135903.0/22

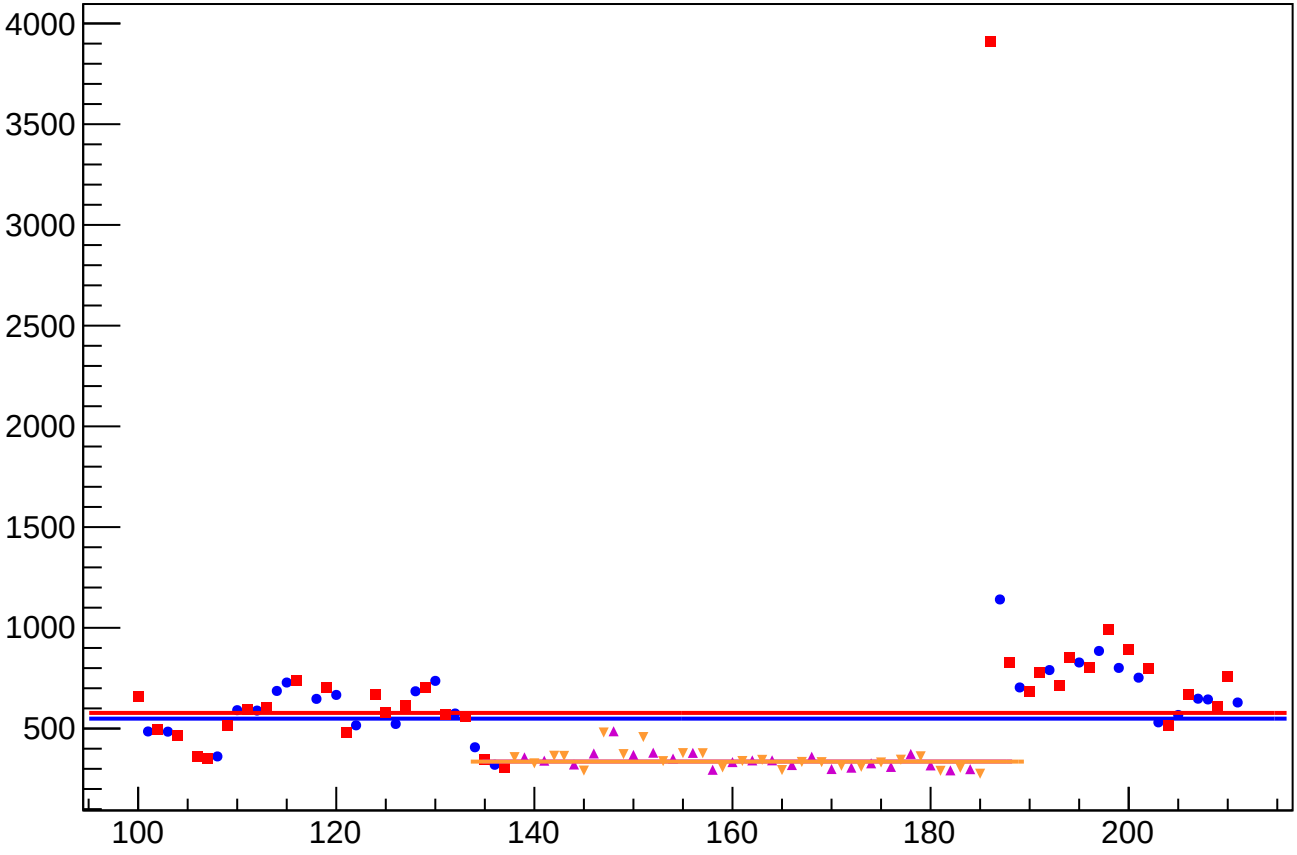
+ sign 60.497+/-0.007 χ^2/NDF: 1923936.2/52

All: 61.172+/-0.005 χ^2/NDF: 4452756.4/108

- sign 61.876+/-0.007 χ^2/NDF: 2511088.8/55


asym_sam_13_57_dd_eigen_cor_correction_mean vs Slug
2000
0
−2000
−4000
−6000
−8000
−10000
−12000
−14000
−16000
−18000
100
120
140
160
180
200
Right In: -401.232+/-140.918 χ²/NDF: 29.2/27
Left Out: -89.061+/-77.011 χ²/NDF:29.9/24
Right Out: -151.326+/-143.286 χ²/NDF: 27.7/32
Left In: 3.047+/-79.193 χ²/NDF:33.6/22
+ sign -160.852+/-67.578 χ²/NDF: 62.9/52
All: -98.581+/-48.386 χ²/NDF: 126.8/108
- sign -33.075+/-69.311 χ²/NDF: 62.2/55

asym_sam_13_57_dd_eigen_cor_correction_rms vs Slug



Right In: 549.163+/-0.100 χ^2/NDF: 2609836.9/27

Left Out: 335.894+/-0.054 χ^2/NDF:533835.9/24

Right Out: 577.572+/-0.101 χ^2/NDF: 3387628.8/32

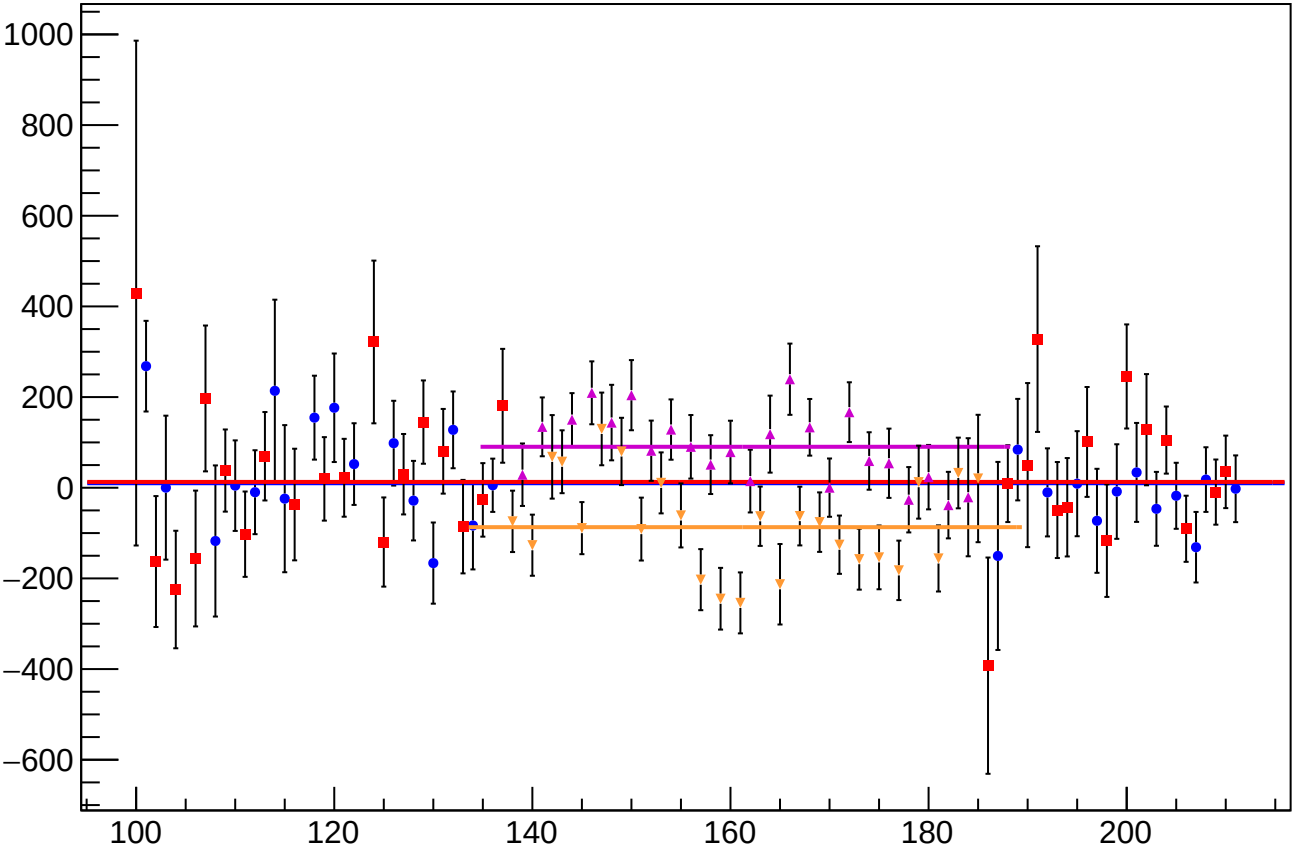
Left In: 336.343+/-0.056 χ^2/NDF:414205.9/22

+ sign 384.941+/-0.048 χ^2/NDF: 6671099.8/52

All: 388.765+/-0.034 χ^2/NDF: 14828327.1/10

- sign 392.789+/-0.049 χ^2/NDF: 8144082.2/55

dit_asym_sam_13_57_dd_mean vs Slug



Right In: 9.970+/-17.988 χ^2/NDF: 26.4/27

Left Out: -86.957+/-14.175 χ^2/NDF:48.8/24

Right Out: 12.863+/-18.142 χ^2/NDF: 36.7/32

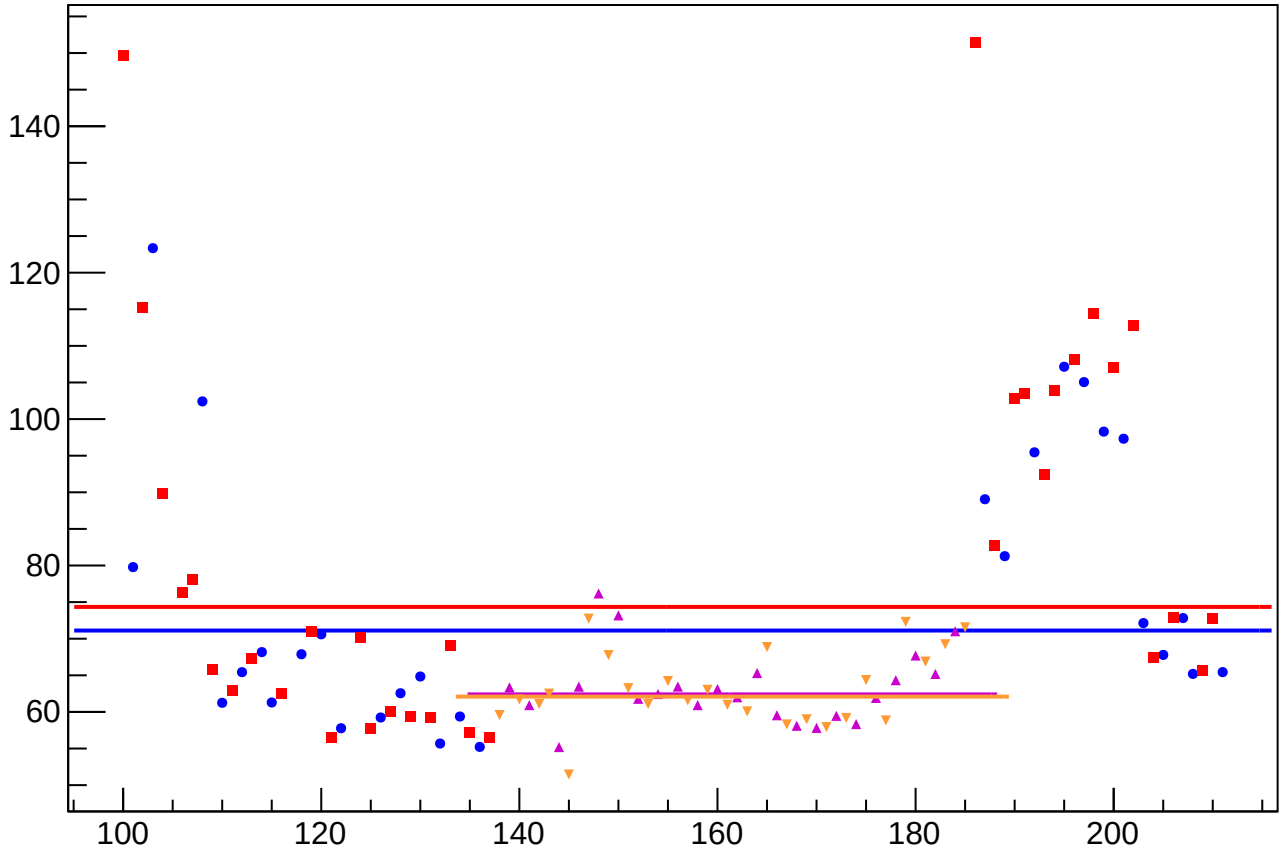
Left In: 90.363+/-14.656 χ^2/NDF:25.0/22

\+ sign -49.826+/-11.133 χ^2/NDF: 93.2/52

All: 3.665+/-7.965 χ^2/NDF: 213.2/108

\- sign 59.758+/-11.401 χ^2/NDF: 72.7/55

dit_asym_sam_13_57_dd_rms vs Slug



Right In: 71.118+/-0.013 χ^2/NDF: 1493971.0/27

Left Out: 62.093+/-0.010 χ^2/NDF:233343.0/24

Right Out: 74.344+/-0.013 χ^2/NDF: 2040167.8/32

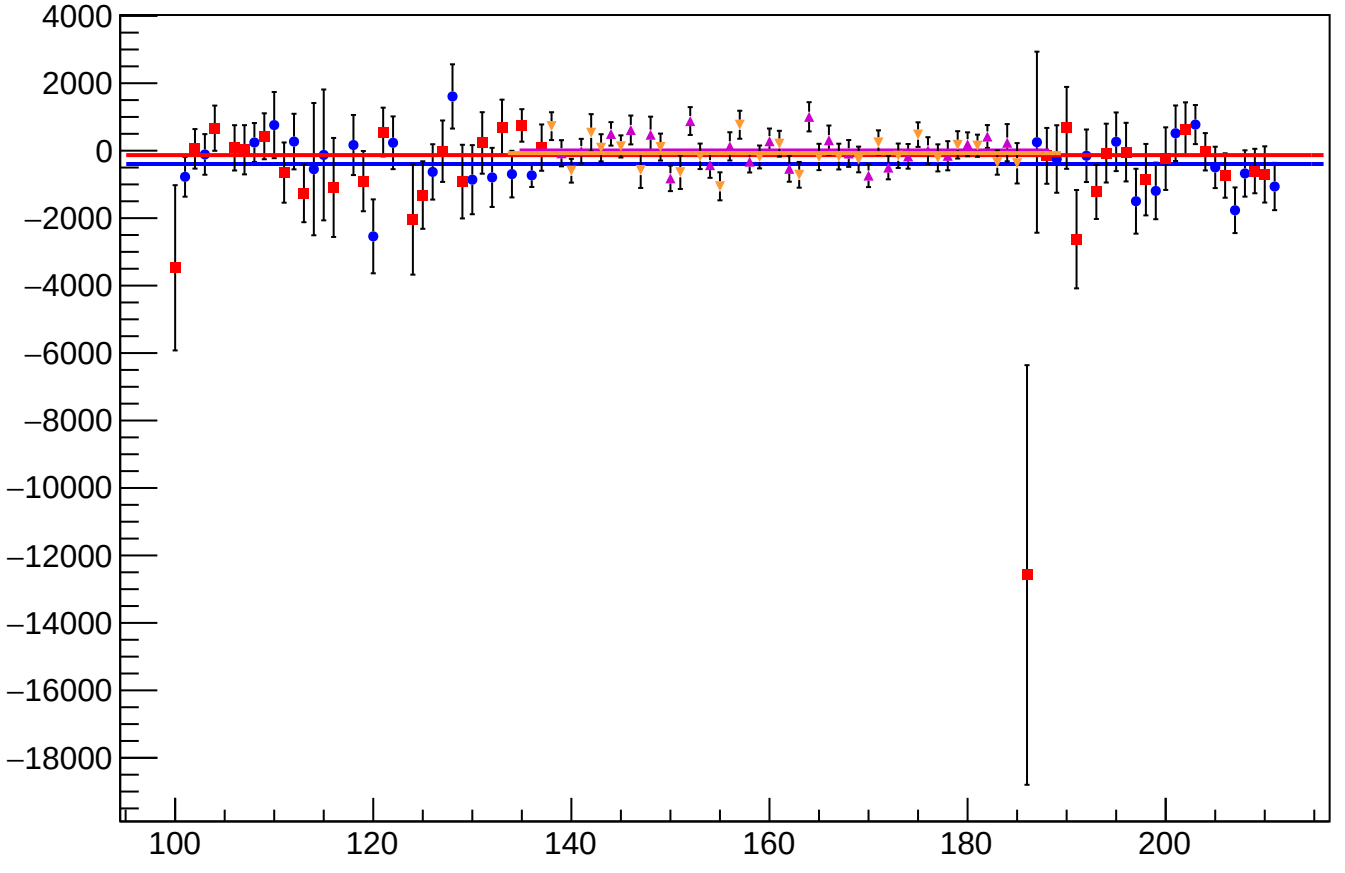
Left In: 62.395+/-0.010 χ^2/NDF:188814.3/22

+ sign 65.550+/-0.008 χ^2/NDF: 2037864.4/52

All: 66.313+/-0.006 χ^2/NDF: 4811005.9/108

- sign 67.114+/-0.008 χ^2/NDF: 2753891.9/55

asym_sam_13_57_dd_dit_correction_mean vs Slug



Right In: -394.746+/-140.294 χ^2/NDF: 28.3/27

Left Out: -71.324+/-78.399 χ^2/NDF:28.6/24

Right Out: -131.262+/-141.246 χ^2/NDF: 28.8/32

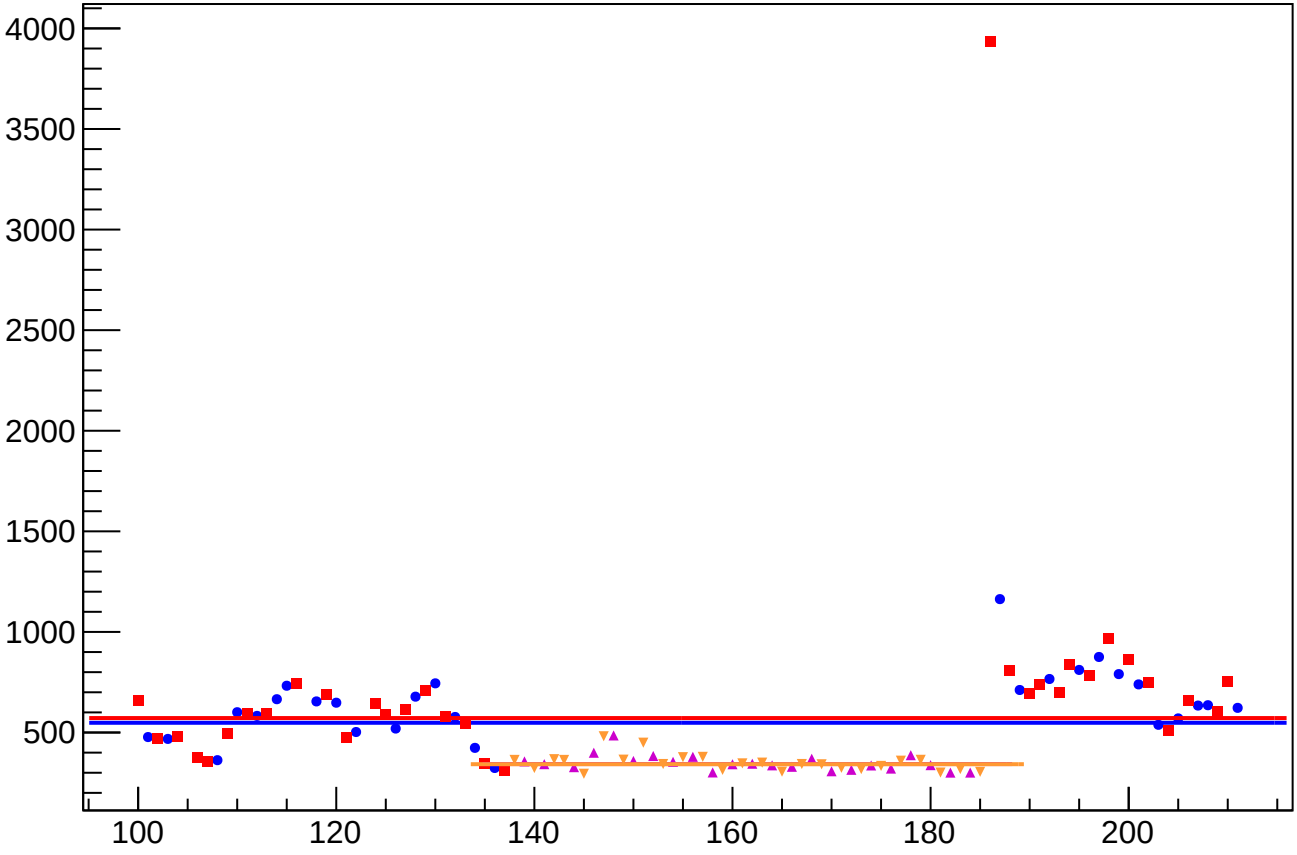
Left In: 6.134+/-80.760 χ^2/NDF:34.0/22

+ sign -148.289+/-68.438 χ^2/NDF: 60.9/52

All: -89.457+/-48.973 χ^2/NDF: 125.9/108

- sign -27.717+/-70.109 χ^2/NDF: 63.5/55

asym_sam_13_57_dd_dit_correction_rms vs Slug



Right In: 548.429+/-0.099 χ^2/NDF: 2478322.7/27

Left Out: 342.502+/-0.055 χ^2/NDF:434208.3/24

Right Out: 571.835+/-0.100 χ^2/NDF: 3233838.3/32

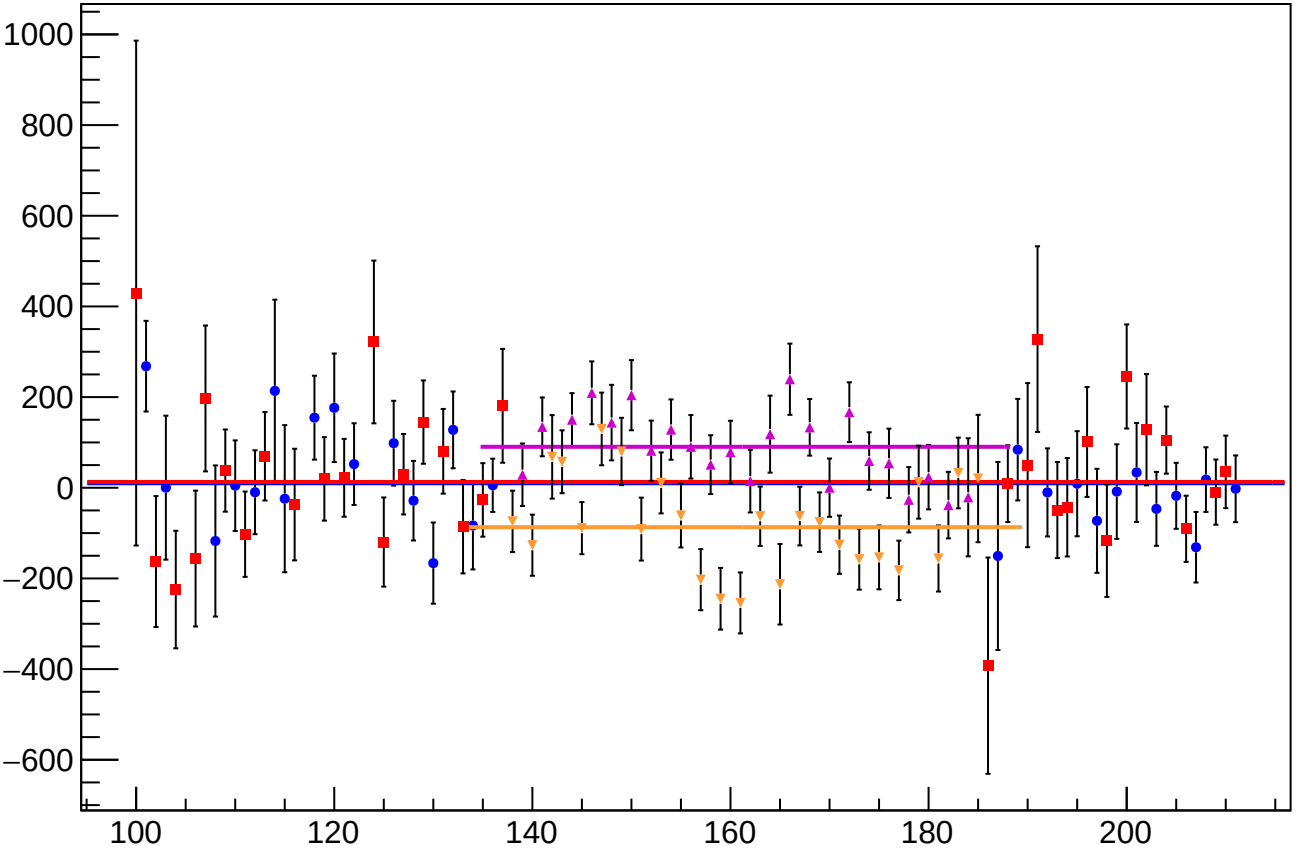
Left In: 343.245+/-0.057 χ^2/NDF:372991.6/22

+ sign 391.507+/-0.048 χ^2/NDF: 6196137.6/52

All: 395.438+/-0.035 χ^2/NDF: 13764256.6/10

- sign 399.564+/-0.050 χ^2/NDF: 7554593.3/55

eigen_dit_asym_sam_13_57_dd_mean vs Slug



Right In: 9.970+/-17.988 χ^2/NDF: 26.4/27

Left Out: -86.957+/-14.175 χ^2/NDF:48.8/24

Right Out: 12.863+/-18.142 χ^2/NDF: 36.7/32

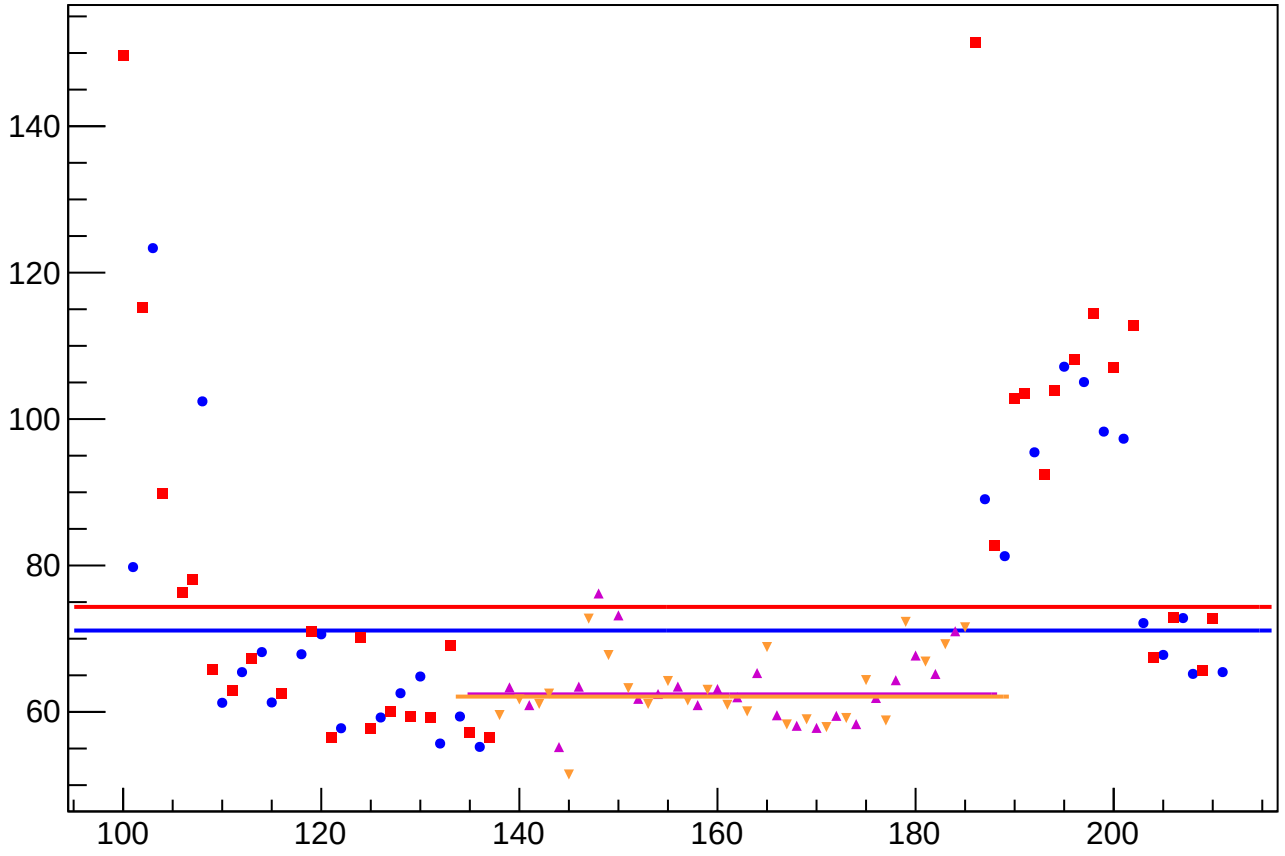
Left In: 90.363+/-14.656 χ^2/NDF:25.0/22

+ sign -49.826+/-11.133 χ^2/NDF: 93.2/52

All: 3.665+/-7.965 χ^2/NDF: 213.2/108

- sign 59.758+/-11.401 χ^2/NDF: 72.7/55

eigen_dit_asym_sam_13_57_dd_rms vs Slug



Right In: 71.117+/-0.013 χ^2/NDF: 1493992.0/27

Left Out: 62.093+/-0.010 χ^2/NDF:233347.2/24

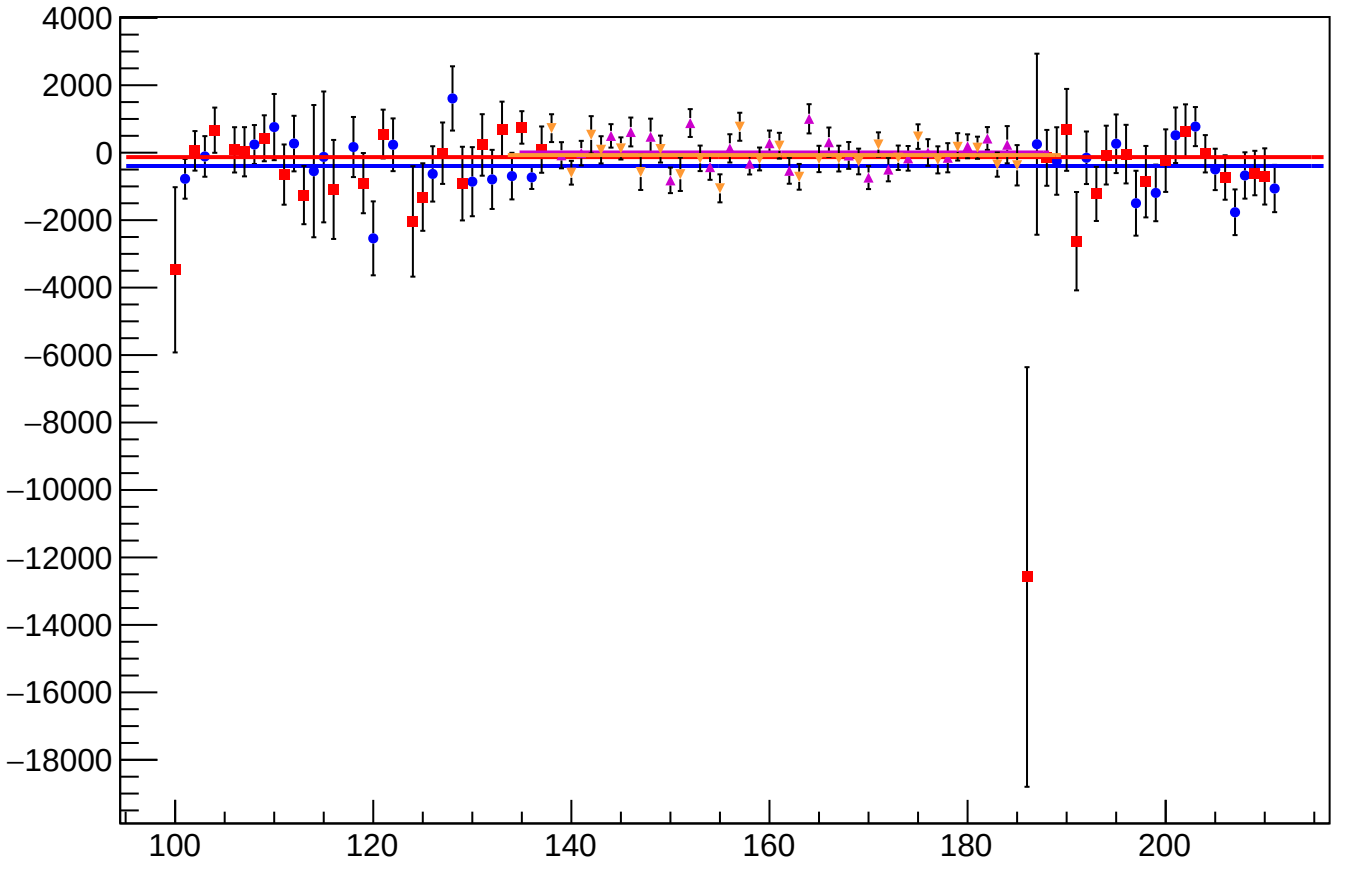
Right Out: 74.344+/-0.013 χ^2/NDF: 2040170.5/32

Left In: 62.395+/-0.010 χ^2/NDF:188817.4/22

+ sign 65.550+/-0.008 χ^2/NDF: 2037885.9/52

All: 66.313+/-0.006 χ^2/NDF: 4811026.6/108

- sign 67.114+/-0.008 χ^2/NDF: 2753890.6/55



Right In: -394.746+/-140.293 χ^2/NDF: 28.3/27

Left Out: -71.324+/-78.399 χ^2/NDF:28.6/24

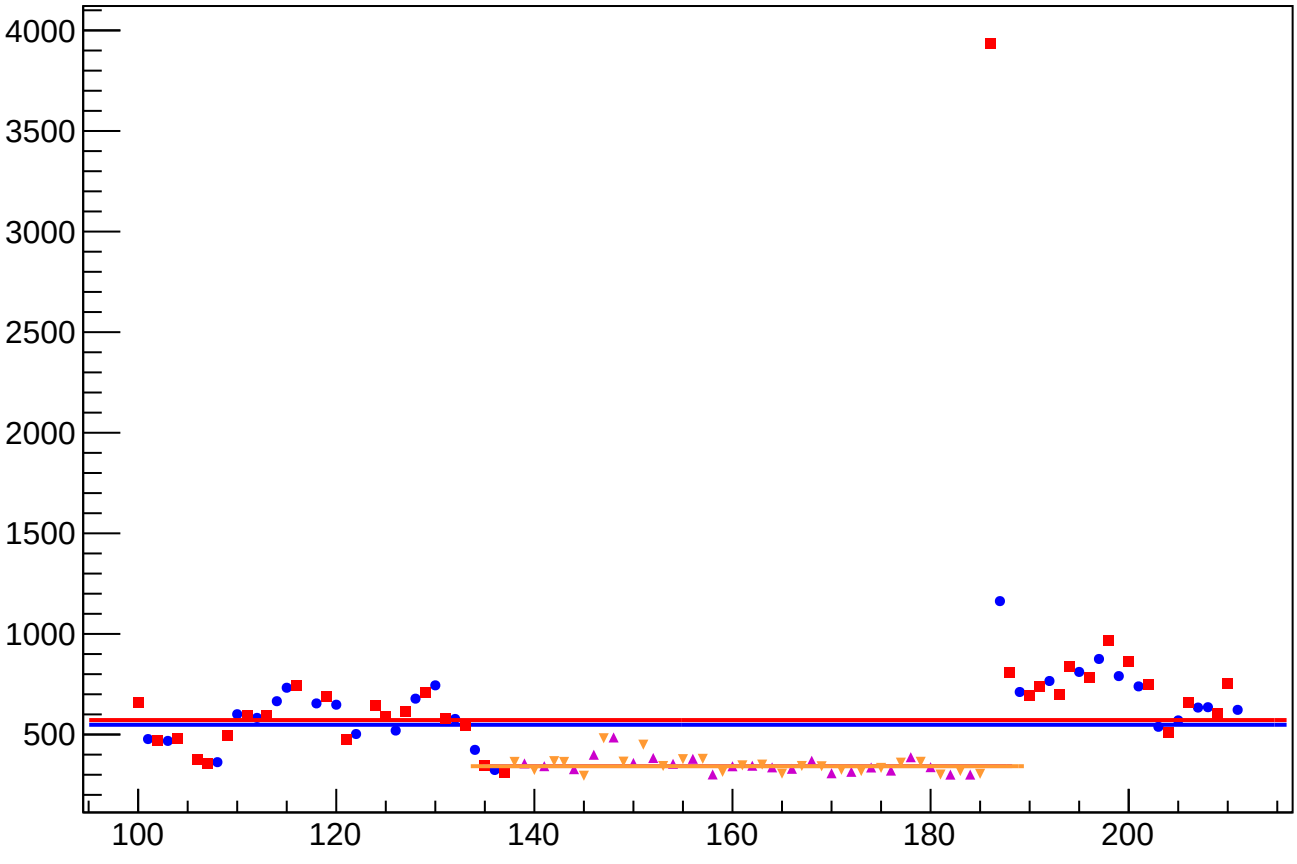
Right Out: -131.261+/-141.246 χ^2/NDF: 28.8/32

Left In: 6.134+/-80.760 χ^2/NDF:34.0/22

+ sign -148.289+/-68.438 χ^2/NDF: 60.9/52

All: -89.456+/-48.973 χ^2/NDF: 125.9/108

- sign -27.716+/-70.109 χ^2/NDF: 63.5/55



Right In: 548.428+/-0.099 χ^2/NDF: 2478327.0/27

Left Out: 342.502+/-0.055 χ^2/NDF:434210.5/24

Right Out: 571.835+/-0.100 χ^2/NDF: 3233844.6/32

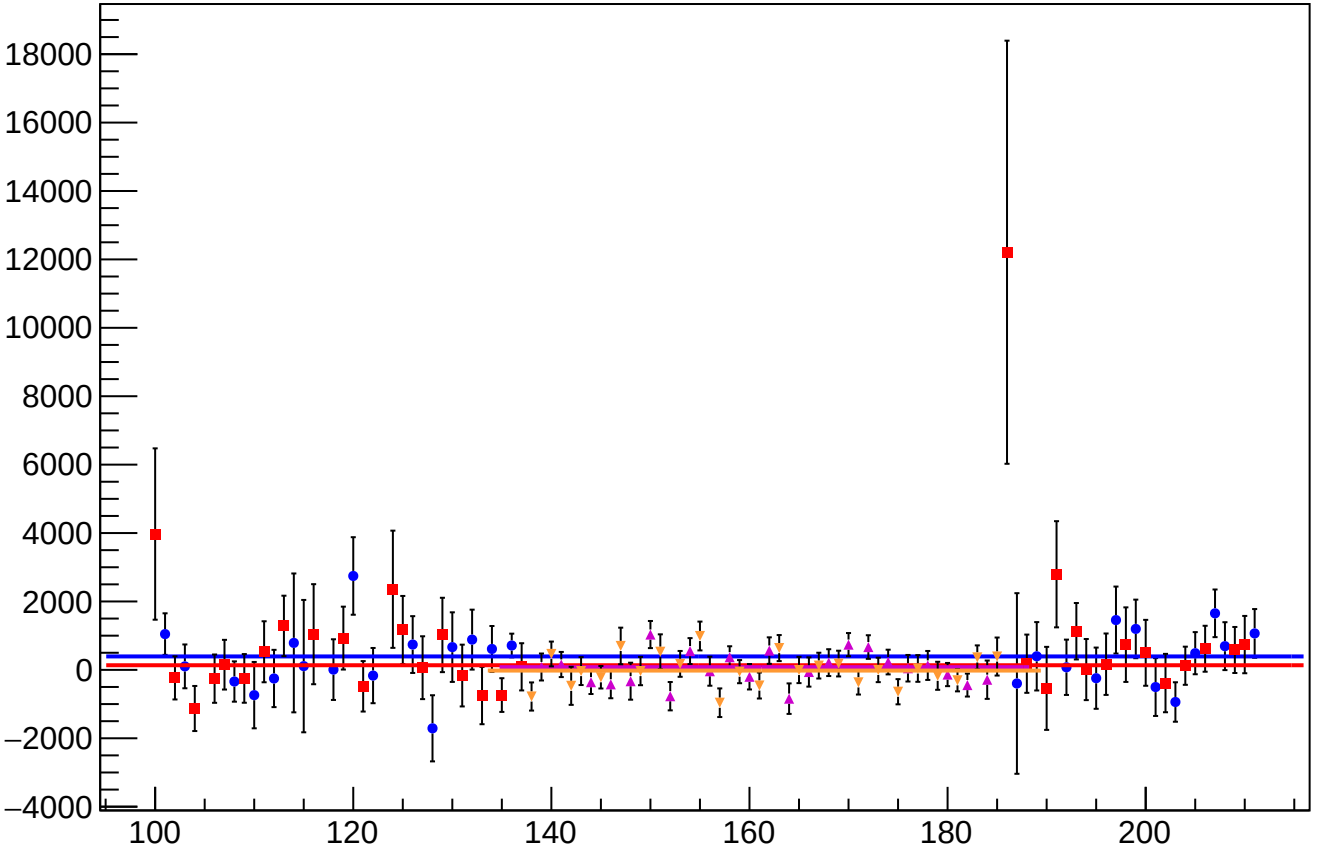
Left In: 343.245+/-0.057 χ^2/NDF:372993.5/22

+ sign 391.507+/-0.048 χ^2/NDF: 6196130.6/52

All: 395.438+/-0.035 χ^2/NDF: 13764234.6/10

- sign 399.564+/-0.050 χ^2/NDF: 7554578.0/55

asym_sam_13_57_dd_mean vs Slug



Right In: 392.890+/-142.251 χ^2/NDF: 29.8/27

Left Out: -20.272+/-78.196 χ^2/NDF:31.4/24

Right Out: 135.355+/-144.404 χ^2/NDF: 29.3/32

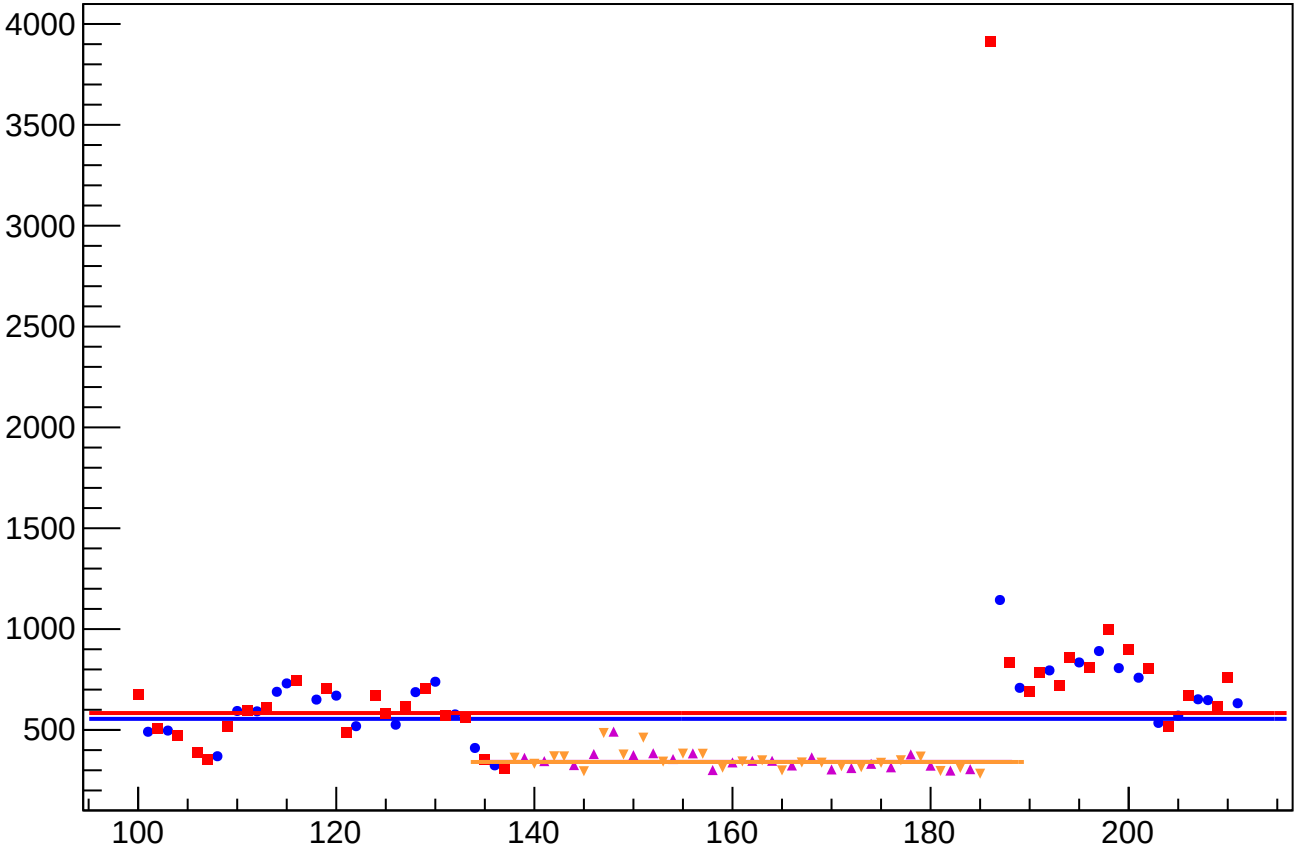
Left In: 78.719+/-80.410 χ^2/NDF:32.9/22

+ sign 75.604+/-68.525 χ^2/NDF: 67.7/52

All: 83.659+/-49.054 χ^2/NDF: 130.1/108

- sign 92.124+/-70.253 χ^2/NDF: 62.3/55

asym_sam_13_57_dd_rms vs Slug



Right In: 554.943+/-0.101 χ^2/NDF: 2548777.1/27

Left Out: 341.199+/-0.055 χ^2/NDF:510854.5/24

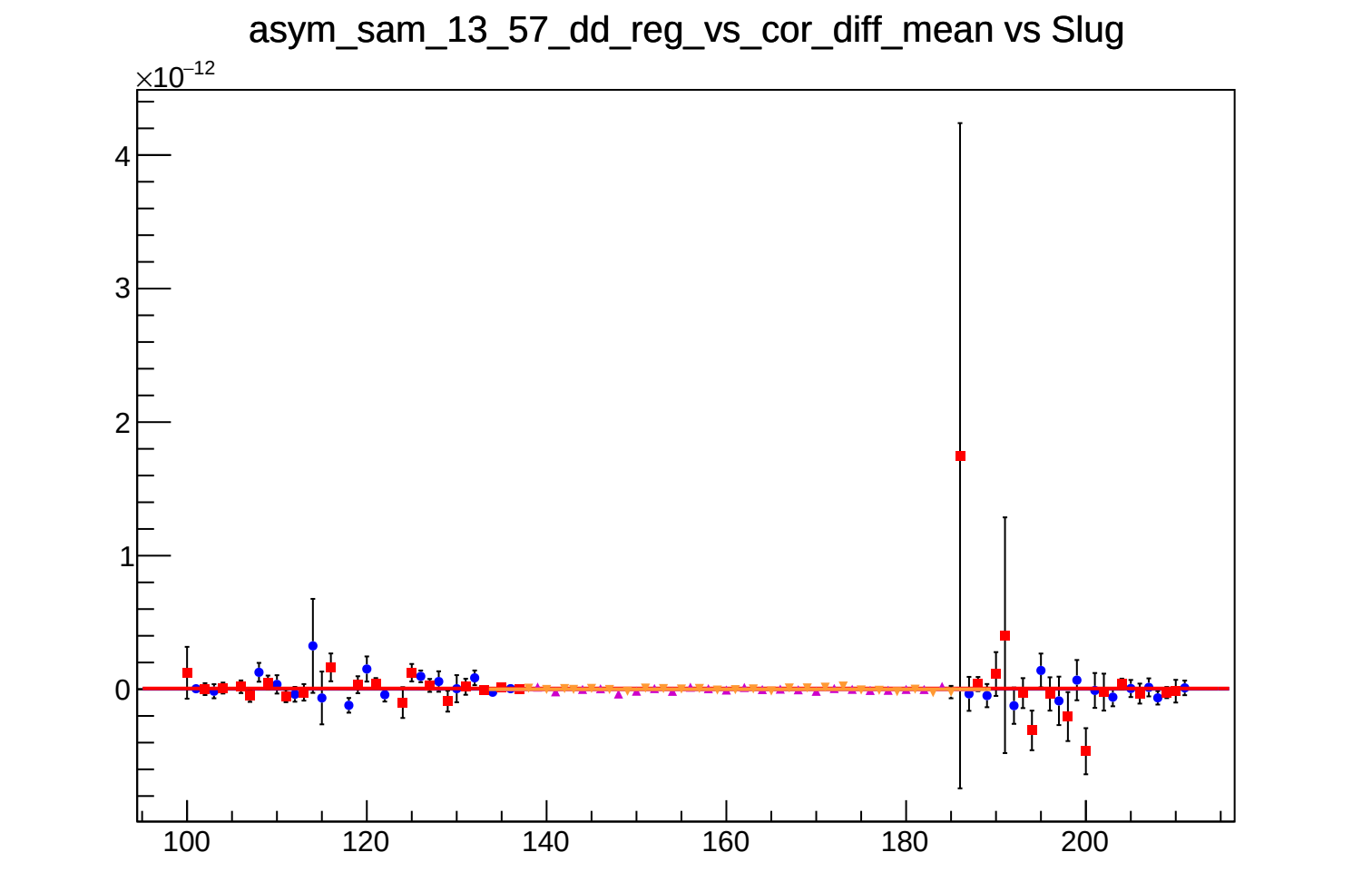
Right Out: 583.789+/-0.102 χ^2/NDF: 3301726.6/32

Left In: 341.622+/-0.057 χ^2/NDF:396885.0/22

+ sign 390.799+/-0.048 χ^2/NDF: 6527290.5/52

All: 394.768+/-0.035 χ^2/NDF: 14533111.9/10

- sign 398.939+/-0.050 χ^2/NDF: 7992062.5/55



Right In: 0.000+/-0.000 χ^2/NDF: 26.8/27

Left Out: -0.000+/-0.000 χ^2/NDF:19.2/24

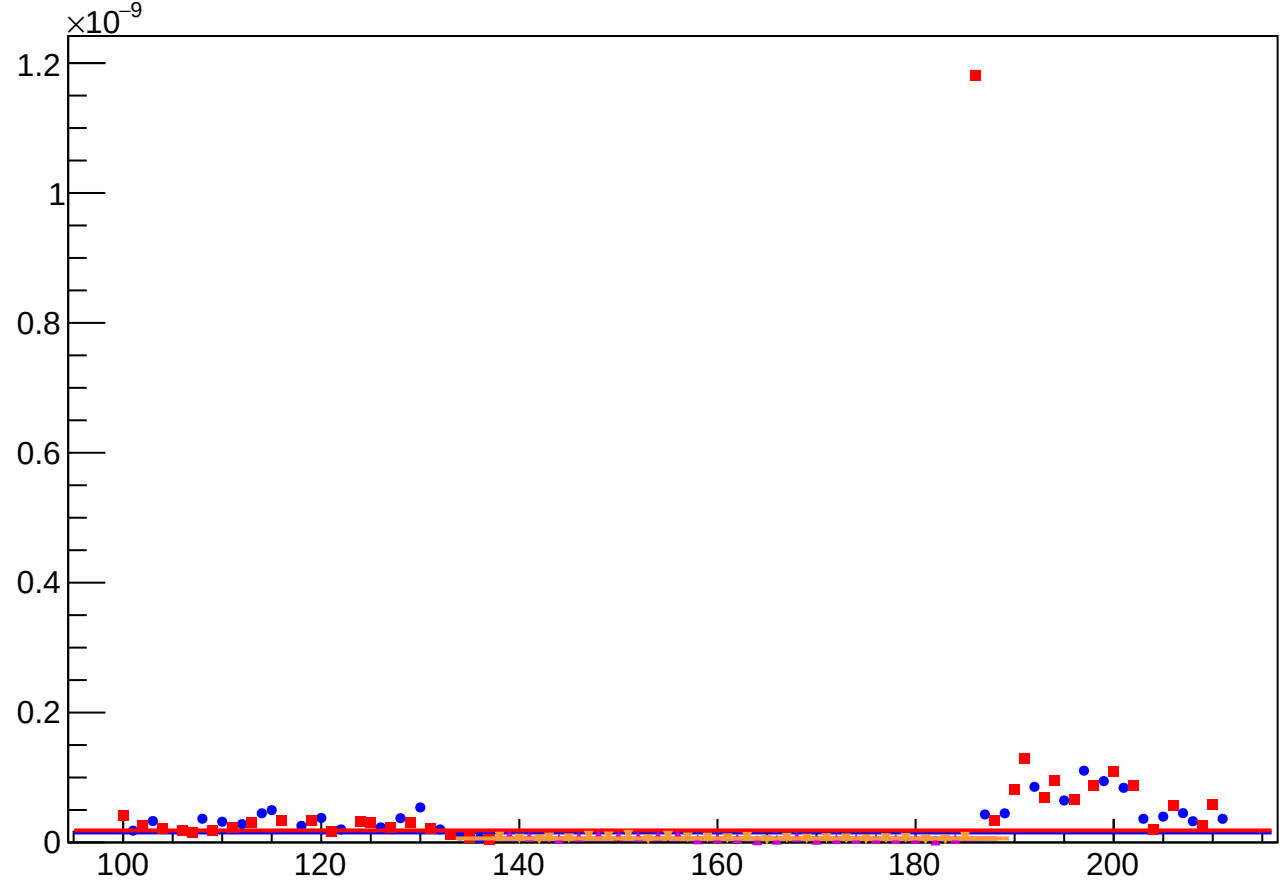
Right Out: 0.000+/-0.000 χ^2/NDF: 30.6/32

Left In: -0.000+/-0.000 χ^2/NDF:14.4/22

+ sign -0.000+/-0.000 χ^2/NDF: 46.2/52

All: -0.000+/-0.000 χ^2/NDF: 92.1/108

- sign -0.000+/-0.000 χ^2/NDF: 45.7/55



Right In: 0.000+/-0.000 χ^2/NDF: 7440737.6/27

Left Out: 0.000+/-0.000 χ^2/NDF:1159883.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6698952.3/32

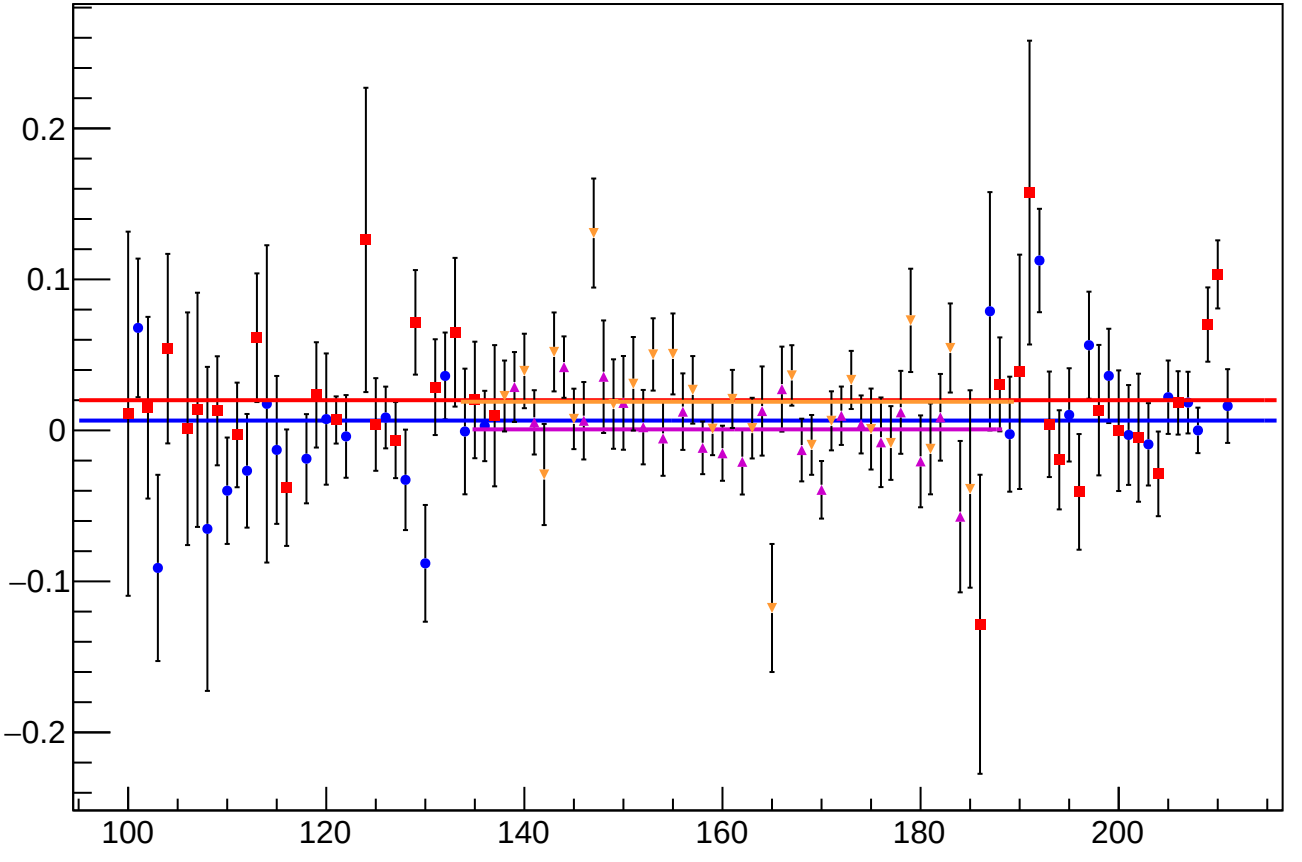
Left In: 0.000+/-0.000 χ^2/NDF:1660677.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 11234693.5/52

All: 0.000+/-0.000 χ^2/NDF: 23557160.5/108

- sign 0.000+/-0.000 χ^2/NDF: 12322465.2/55

asym_sam_13_57_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.007+/-0.006 χ^2/NDF: 31.7/27

Left Out: 0.019+/-0.005 χ^2/NDF:41.2/24

Right Out: 0.020+/-0.006 χ^2/NDF: 40.3/32

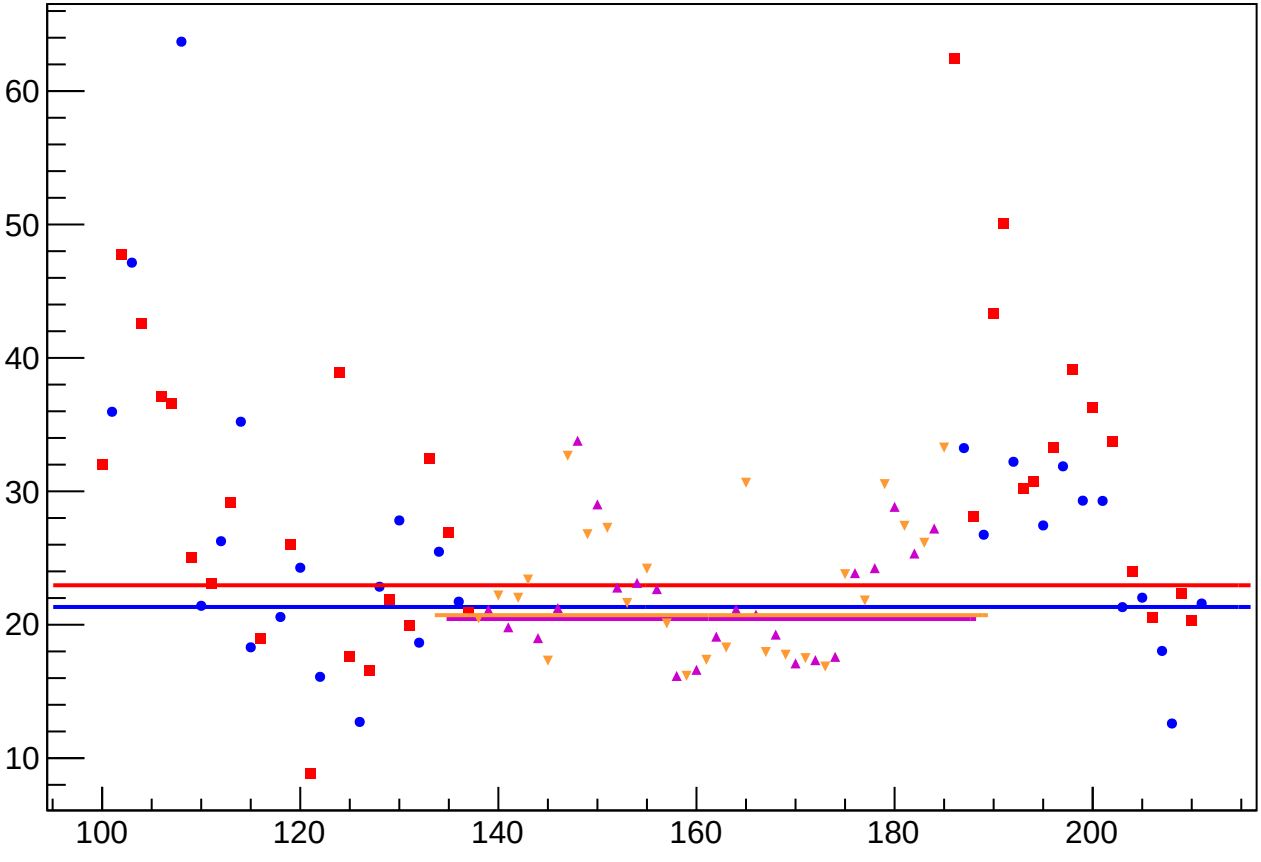
Left In: 0.001+/-0.005 χ^2/NDF:17.7/22

+ sign 0.014+/-0.004 χ^2/NDF: 75.6/52

All: 0.011+/-0.003 χ^2/NDF: 140.7/108

- sign 0.008+/-0.004 χ^2/NDF: 64.1/55

asym_sam_13_57_dd_dit_vs_cor_diff_rms vs Slug



Right In: 21.331+/-0.004 χ^2/NDF: 2995161.3/27

Left Out: 20.718+/-0.003 χ^2/NDF:1506374.1/24

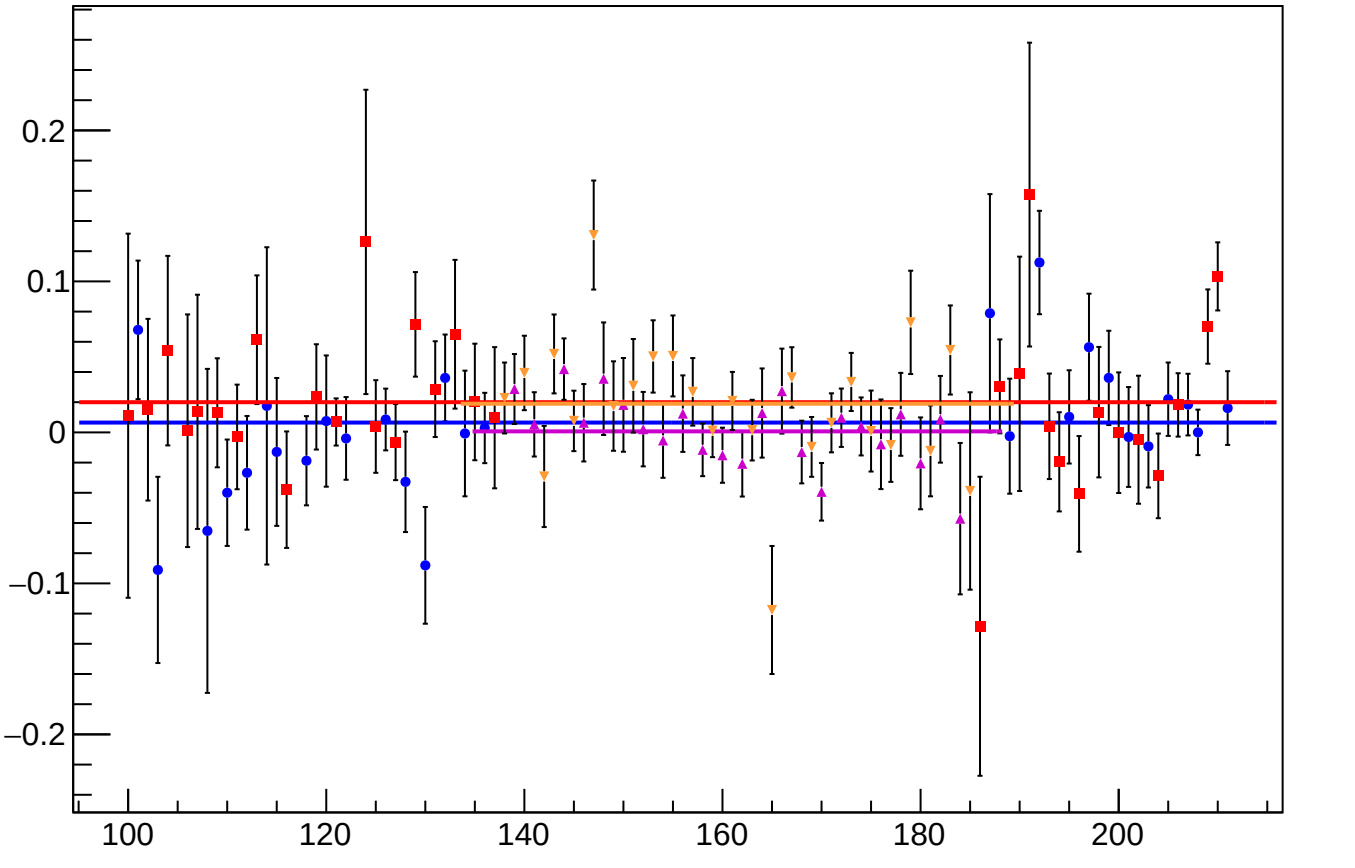
Right Out: 22.958+/-0.004 χ^2/NDF: 4442574.4/32

Left In: 20.429+/-0.003 χ^2/NDF:1173949.1/22

+ sign 20.975+/-0.003 χ^2/NDF: 4514836.7/52

All: 21.203+/-0.002 χ^2/NDF: 10357507.0/108

- sign 21.444+/-0.003 χ^2/NDF: 5827201.6/55



Right In: 0.007+/-0.006 χ^2/NDF: 31.7/27

Left Out: 0.019+/-0.005 χ^2/NDF:41.2/24

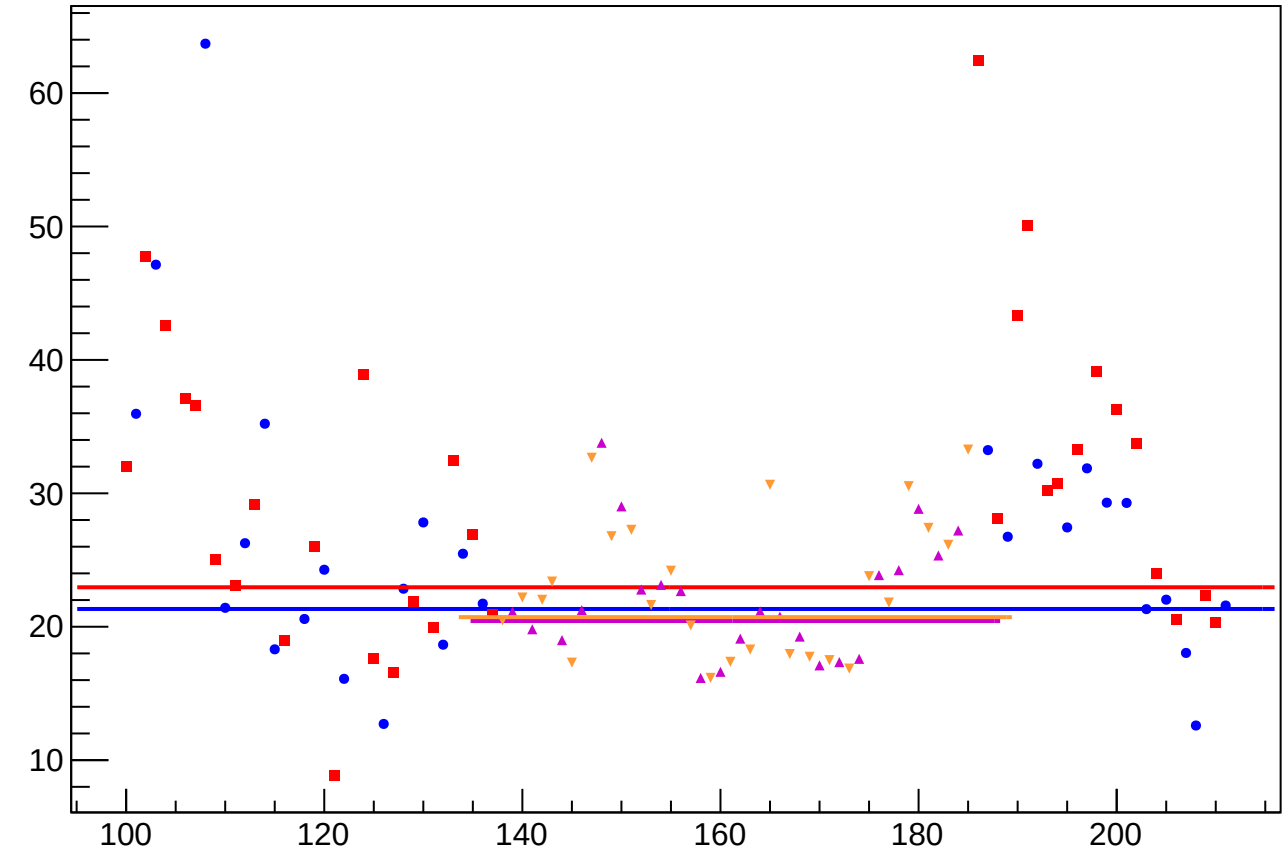
Right Out: 0.020+/-0.006 χ^2/NDF: 40.3/32

Left In: 0.001+/-0.005 χ^2/NDF:17.7/22

+ sign 0.014+/-0.004 χ^2/NDF: 75.6/52

All: 0.011+/-0.003 χ^2/NDF: 140.7/108

- sign 0.008+/-0.004 χ^2/NDF: 64.1/55



Right In: 21.331+/-0.004 χ^2/NDF: 2995161.3/27

Left Out: 20.718+/-0.003 χ^2/NDF:1506374.1/24

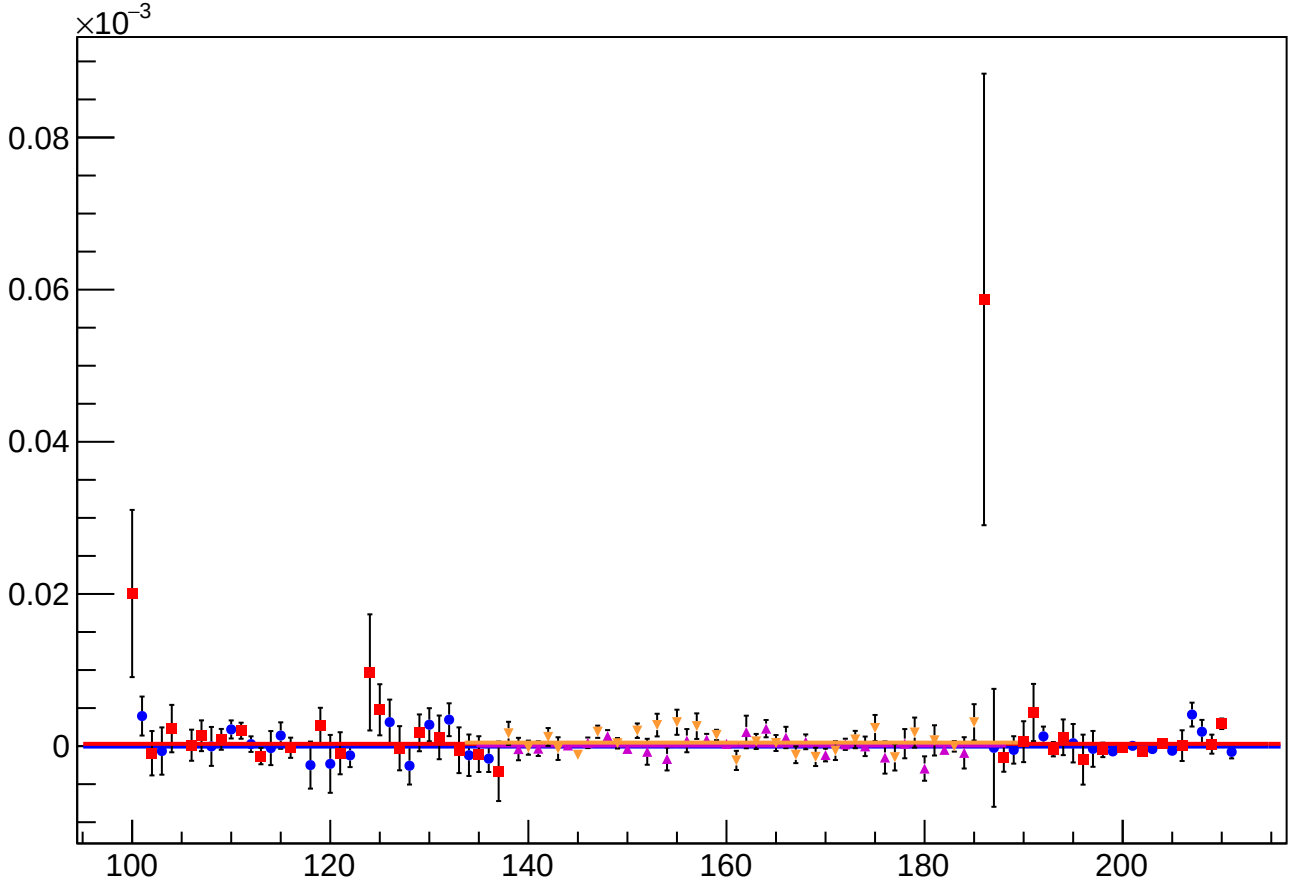
Right Out: 22.958+/-0.004 χ^2/NDF: 4442574.4/32

Left In: 20.429+/-0.003 χ^2/NDF:1173949.1/22

+ sign 20.975+/-0.003 χ^2/NDF: 4514836.7/52

All: 21.203+/-0.002 χ^2/NDF: 10357507.0/108

- sign 21.444+/-0.003 χ^2/NDF: 5827201.6/55



Right In: -0.000+/-0.000 χ^2/NDF: 29.7/27

Left Out: 0.000+/-0.000 χ^2/NDF:36.7/24

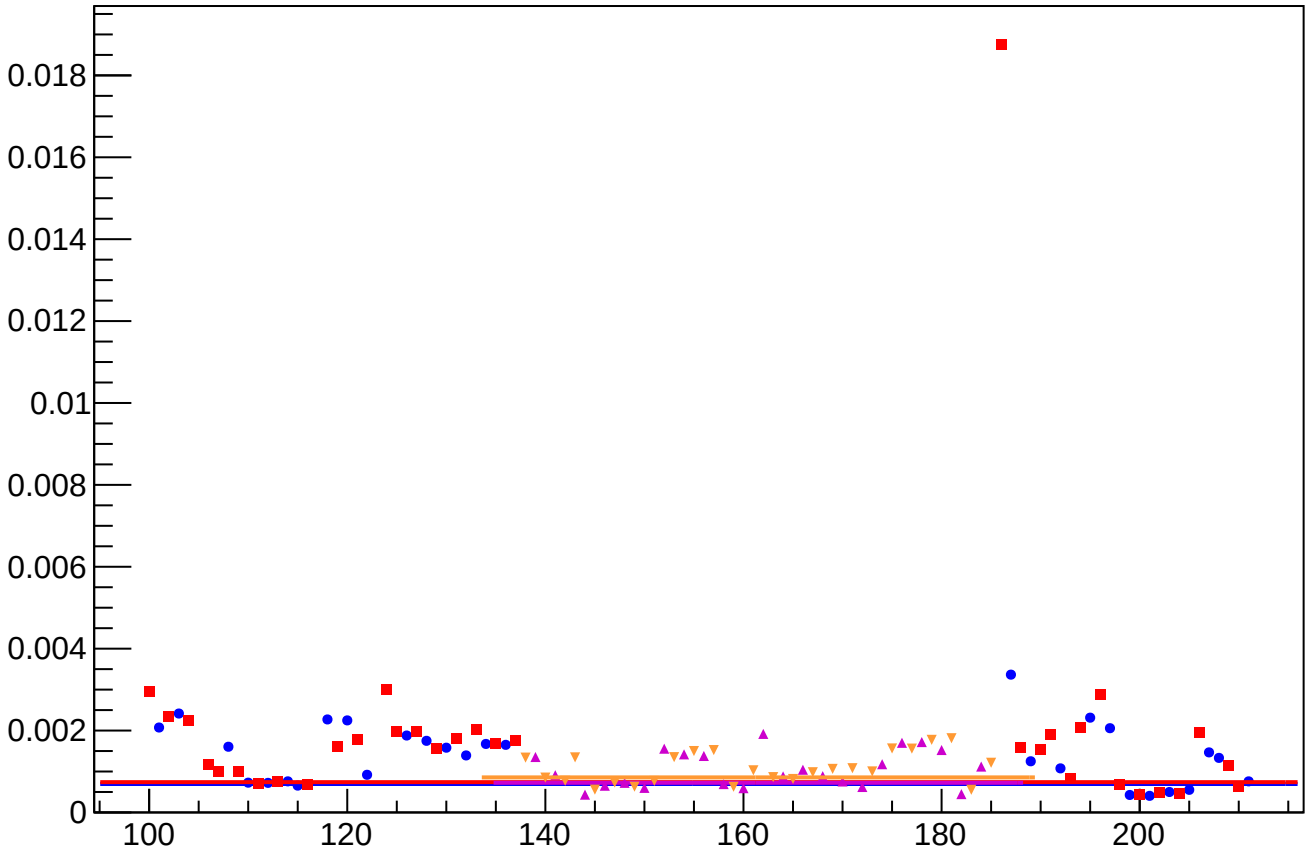
Right Out: 0.000+/-0.000 χ^2/NDF: 42.0/32

Left In: 0.000+/-0.000 χ^2/NDF:19.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 69.5/52

All: 0.000+/-0.000 χ^2/NDF: 131.6/108

- sign 0.000+/-0.000 χ^2/NDF: 62.1/55



Right In: 0.001+/-0.000 χ^2/NDF: 9192002.8/27

Left Out: 0.001+/-0.000 χ^2/NDF:4439075.2/24

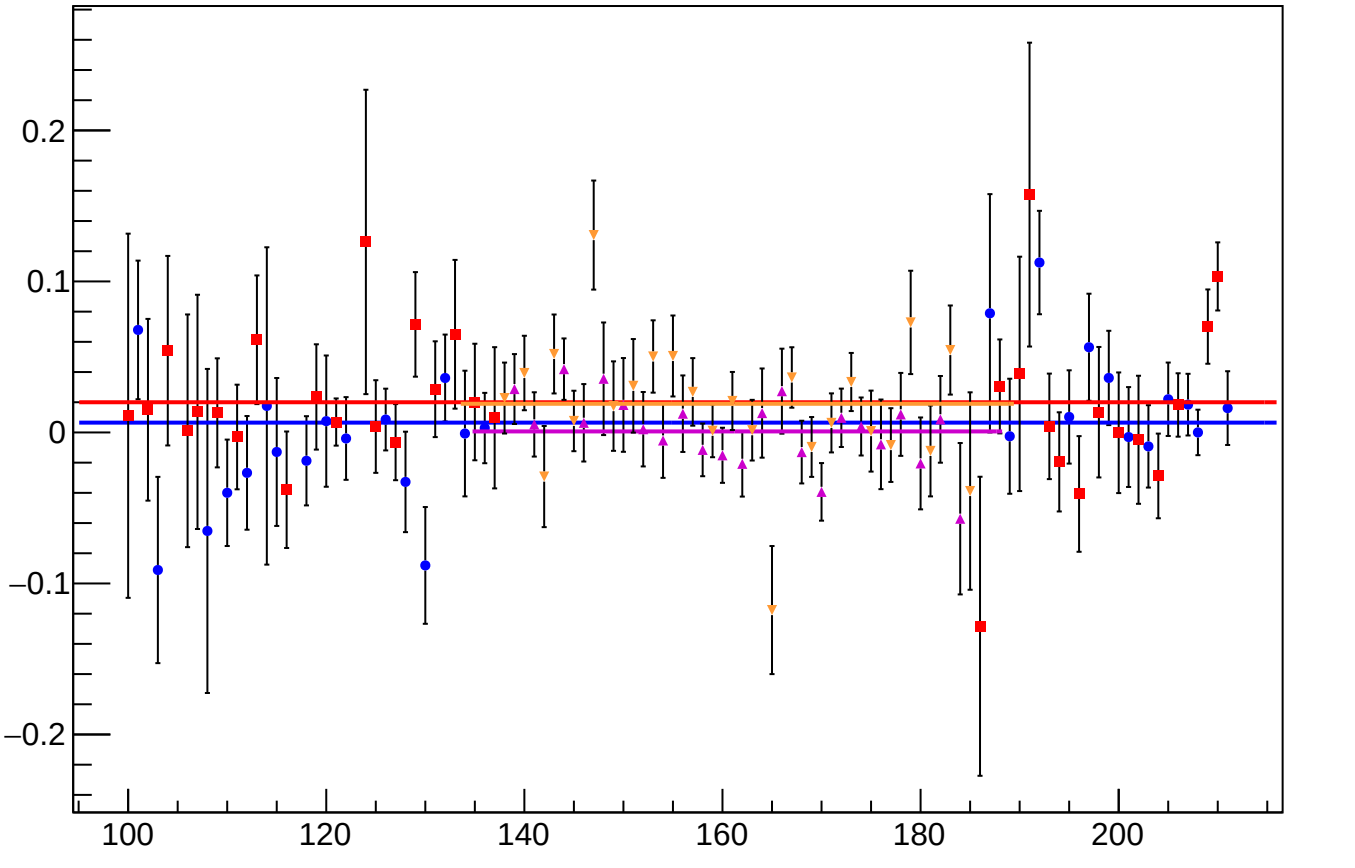
Right Out: 0.001+/-0.000 χ^2/NDF: 9807027.1/32

Left In: 0.001+/-0.000 χ^2/NDF:5805288.5/22

+ sign 0.001+/-0.000 χ^2/NDF: 14219352.1/52

All: 0.001+/-0.000 χ^2/NDF: 29924638.0/108

- sign 0.001+/-0.000 χ^2/NDF: 15617580.1/55



Right In: 0.007+/-0.006 χ^2/NDF: 31.7/27

Left Out: 0.019+/-0.005 χ^2/NDF:41.2/24

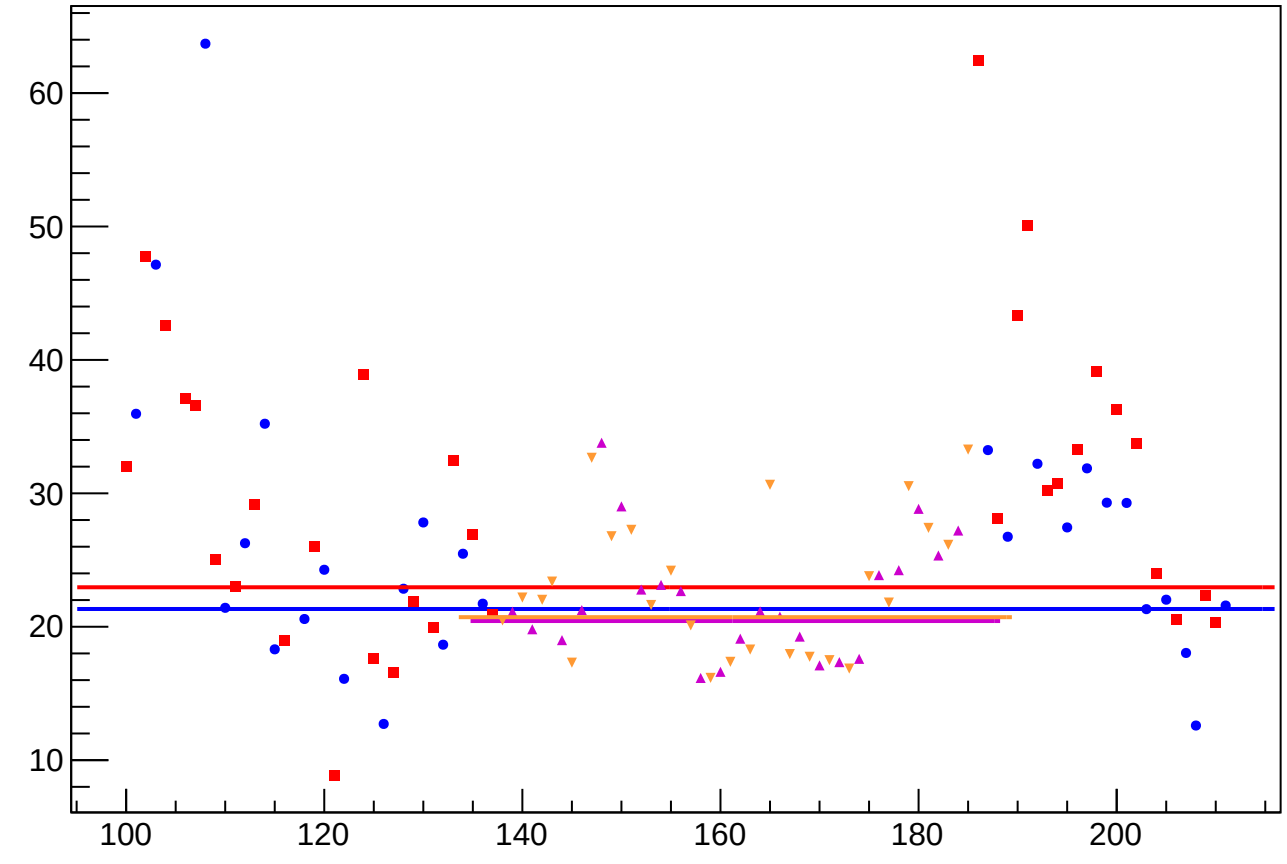
Right Out: 0.020+/-0.006 χ^2/NDF: 40.3/32

Left In: 0.001+/-0.005 χ^2/NDF:17.7/22

+ sign 0.014+/-0.004 χ^2/NDF: 75.6/52

All: 0.011+/-0.003 χ^2/NDF: 140.7/108

- sign 0.008+/-0.004 χ^2/NDF: 64.1/55



Right In: 21.331+/-0.004 χ^2/NDF: 2995154.3/27

Left Out: 20.718+/-0.003 χ^2/NDF:1506475.9/24

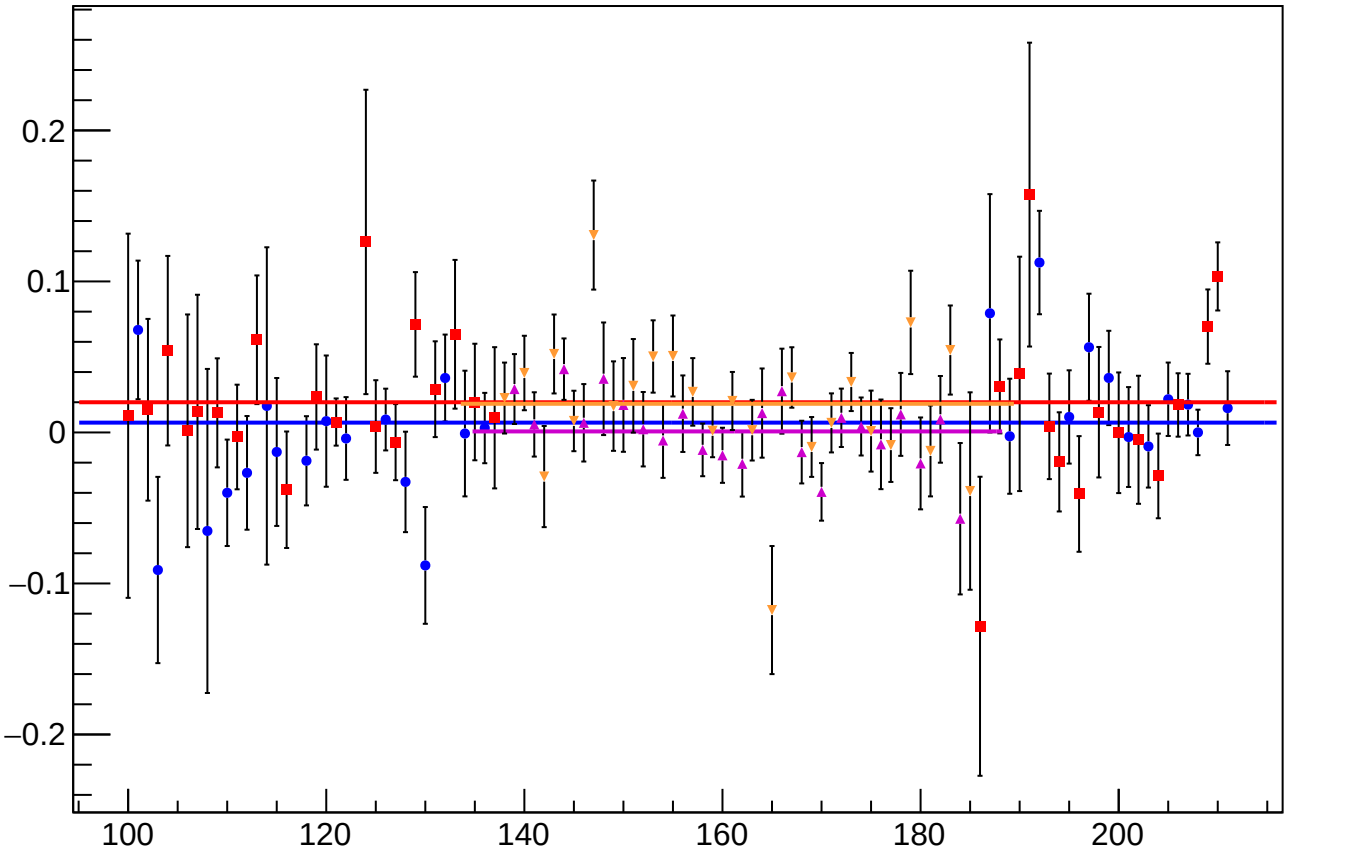
Right Out: 22.959+/-0.004 χ^2/NDF: 4442006.2/32

Left In: 20.429+/-0.003 χ^2/NDF:1173995.4/22

+ sign 20.975+/-0.003 χ^2/NDF: 4514935.3/52

All: 21.203+/-0.002 χ^2/NDF: 10357165.8/108

- sign 21.444+/-0.003 χ^2/NDF: 5826748.1/55



Right In: 0.007+/-0.006 χ^2/NDF: 31.7/27

Left Out: 0.019+/-0.005 χ^2/NDF:41.2/24

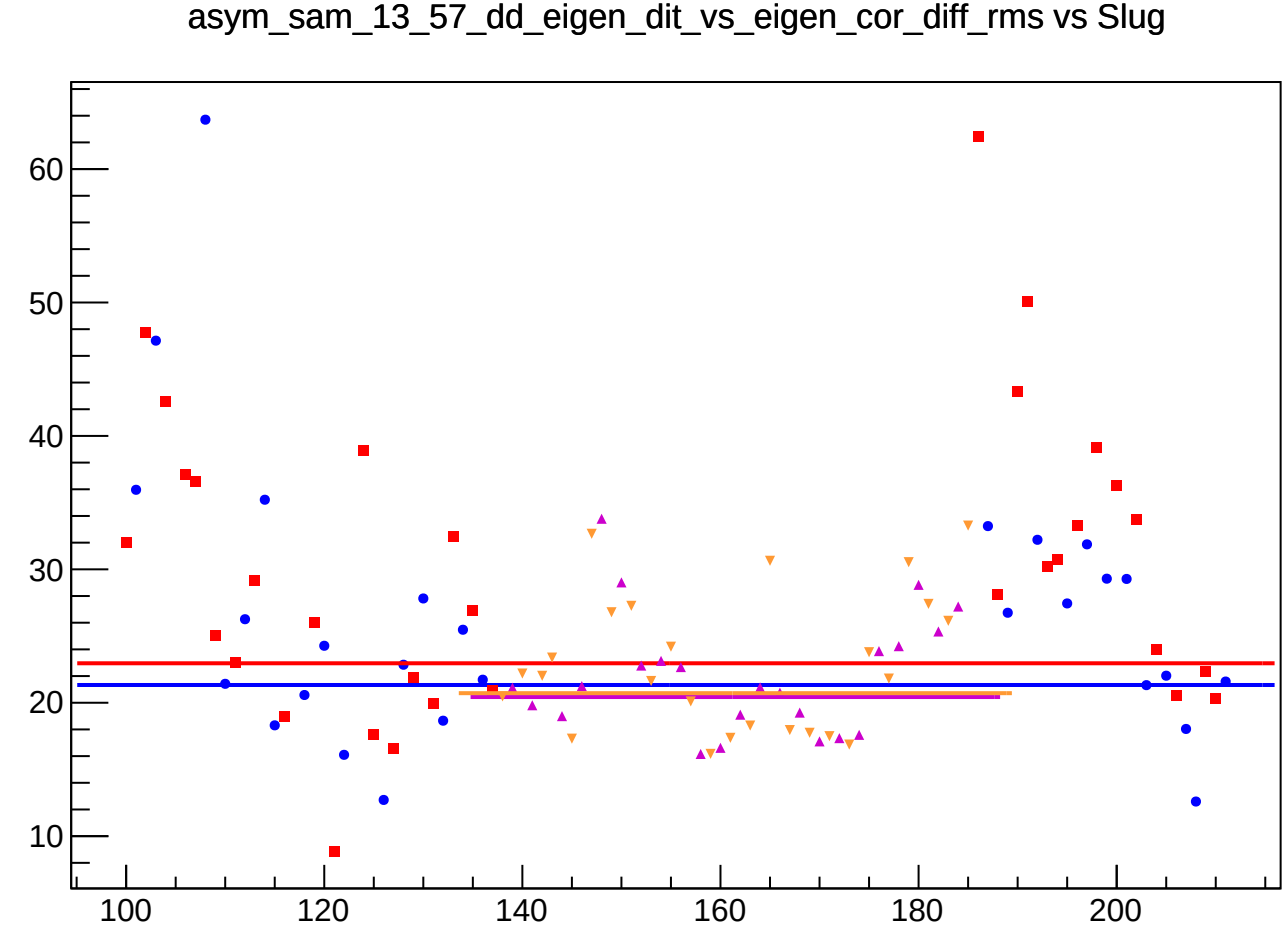
Right Out: 0.020+/-0.006 χ^2/NDF: 40.3/32

Left In: 0.001+/-0.005 χ^2/NDF:17.7/22

+ sign 0.014+/-0.004 χ^2/NDF: 75.6/52

All: 0.011+/-0.003 χ^2/NDF: 140.7/108

- sign 0.008+/-0.004 χ^2/NDF: 64.1/55



Right In: 21.331+/-0.004 χ^2/NDF: 2995154.3/27

Left Out: 20.718+/-0.003 χ^2/NDF:1506475.9/24

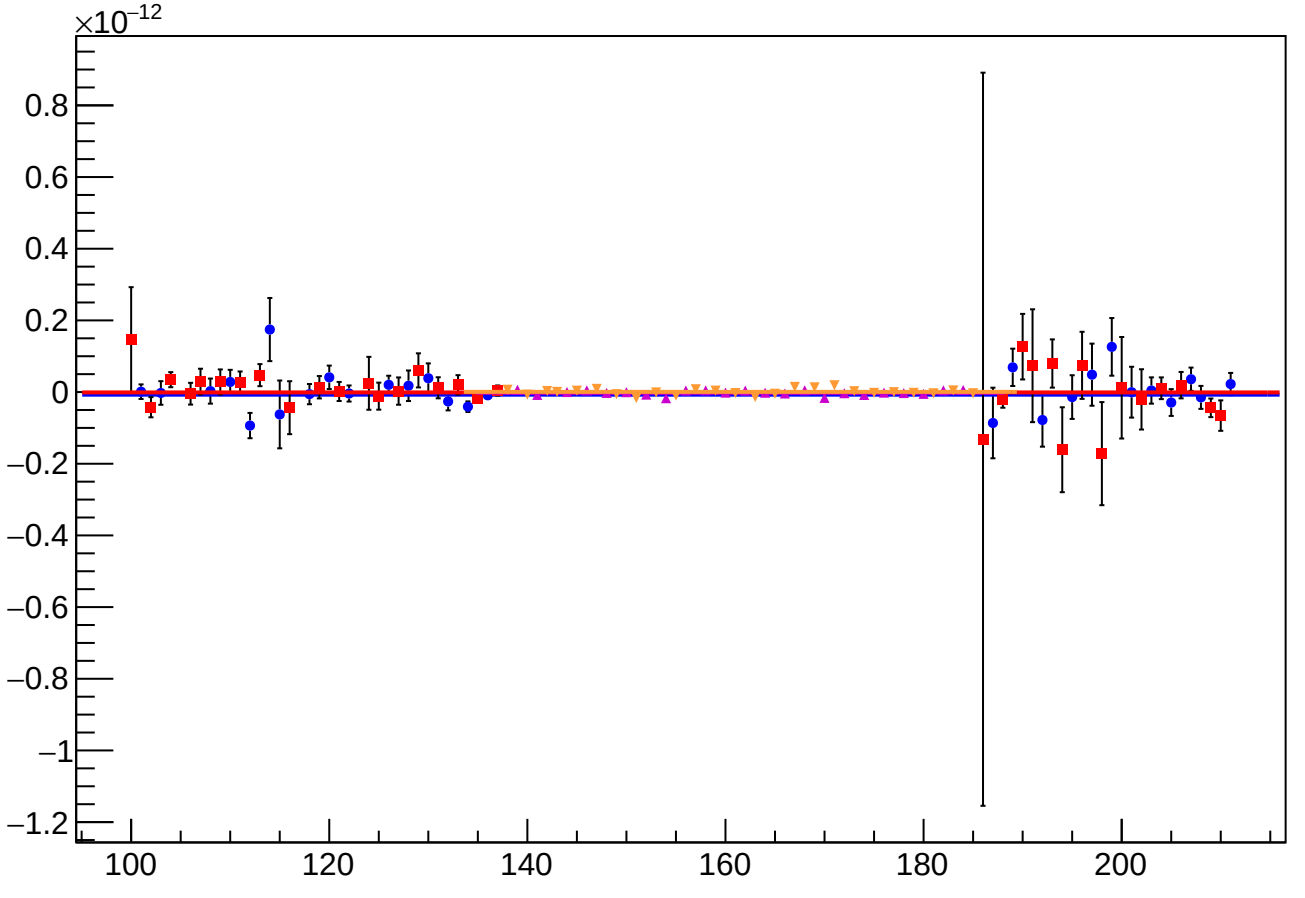
Right Out: 22.959+/-0.004 χ^2/NDF: 4442006.2/32

Left In: 20.429+/-0.003 χ^2/NDF:1173995.4/22

+ sign 20.975+/-0.003 χ^2/NDF: 4514935.3/52

All: 21.203+/-0.002 χ^2/NDF: 10357165.8/108

- sign 21.444+/-0.003 χ^2/NDF: 5826748.1/55



Right In: -0.000+/-0.000 χ^2/NDF: 32.8/27

Left Out: 0.000+/-0.000 χ^2/NDF:29.0/24

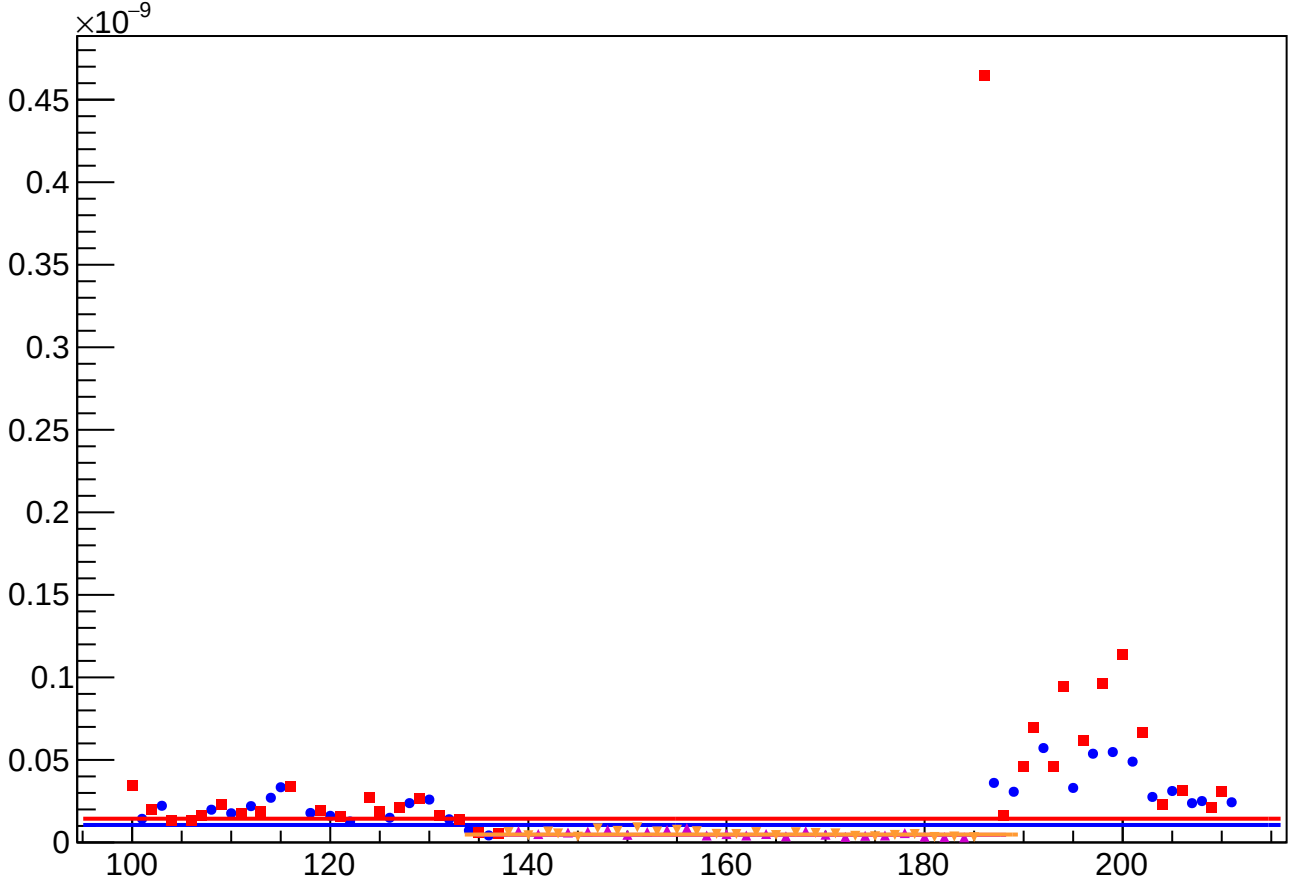
Right Out: -0.000+/-0.000 χ^2/NDF: 31.1/32

Left In: -0.000+/-0.000 χ^2/NDF:20.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 64.9/52

All: -0.000+/-0.000 χ^2/NDF: 117.2/108

- sign -0.000+/-0.000 χ^2/NDF: 51.6/55



Right In: 0.000+/-0.000 χ^2/NDF: 9587127.4/27

Left Out: 0.000+/-0.000 χ^2/NDF:2118264.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9274577.0/32

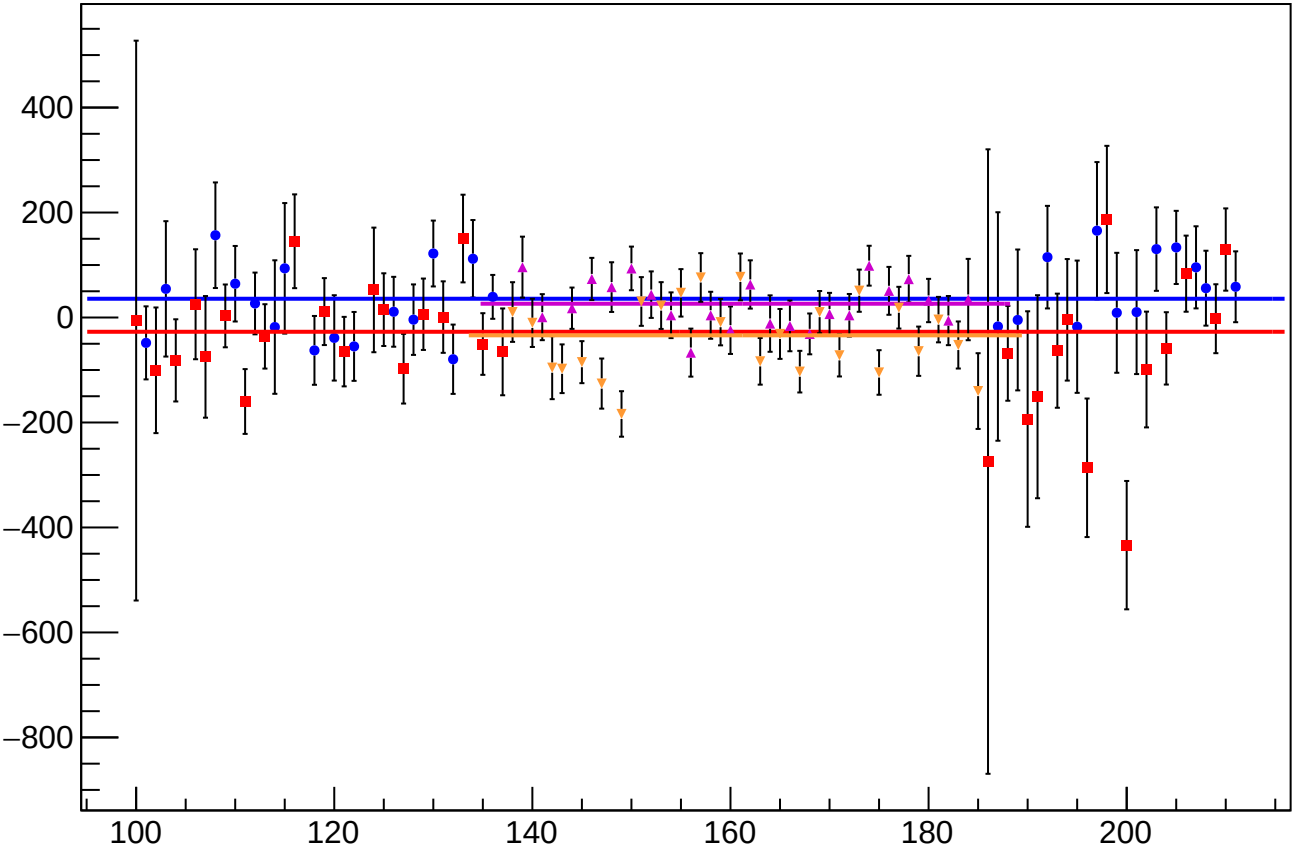
Left In: 0.000+/-0.000 χ^2/NDF:1908439.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 15100365.7/52

All: 0.000+/-0.000 χ^2/NDF: 33015601.7/108

- sign 0.000+/-0.000 χ^2/NDF: 17911128.0/55

reg_asym_sam_15_37_dd_mean vs Slug



Right In: 35.745+/-14.632 χ^2/NDF: 21.2/27

Left Out: -33.956+/-8.993 χ^2/NDF:58.7/24

Right Out: -27.172+/-14.563 χ^2/NDF: 43.8/32

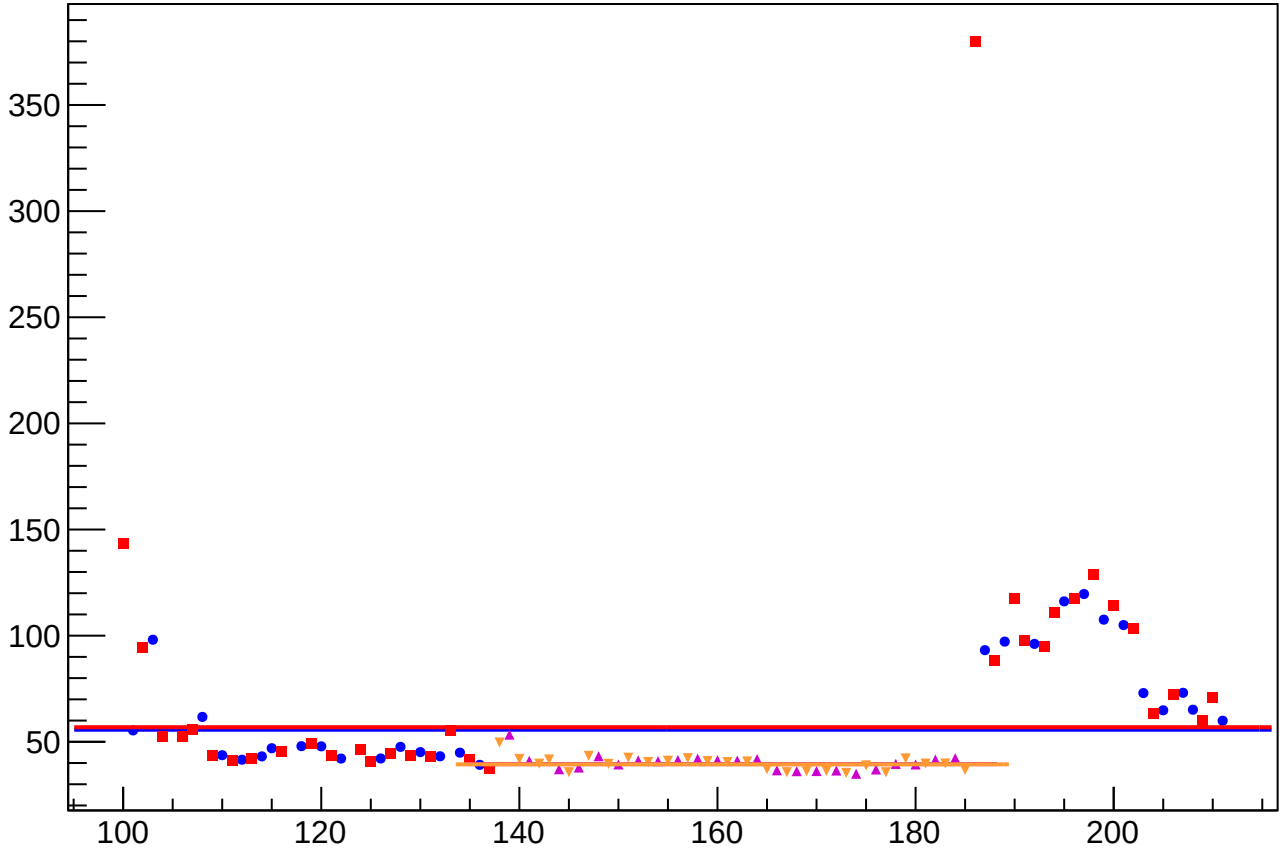
Left In: 26.267+/-9.271 χ^2/NDF:22.5/22

+ sign -14.843+/-7.662 χ^2/NDF: 96.4/52

All: -2.259+/-5.473 χ^2/NDF: 177.8/108

- sign 10.854+/-7.821 χ^2/NDF: 75.8/55

reg_asym_sam_15_37_dd_rms vs Slug



Right In: 55.687+/-0.010 χ^2/NDF: 3715209.6/27

Left Out: 39.383+/-0.006 χ^2/NDF:228799.9/24

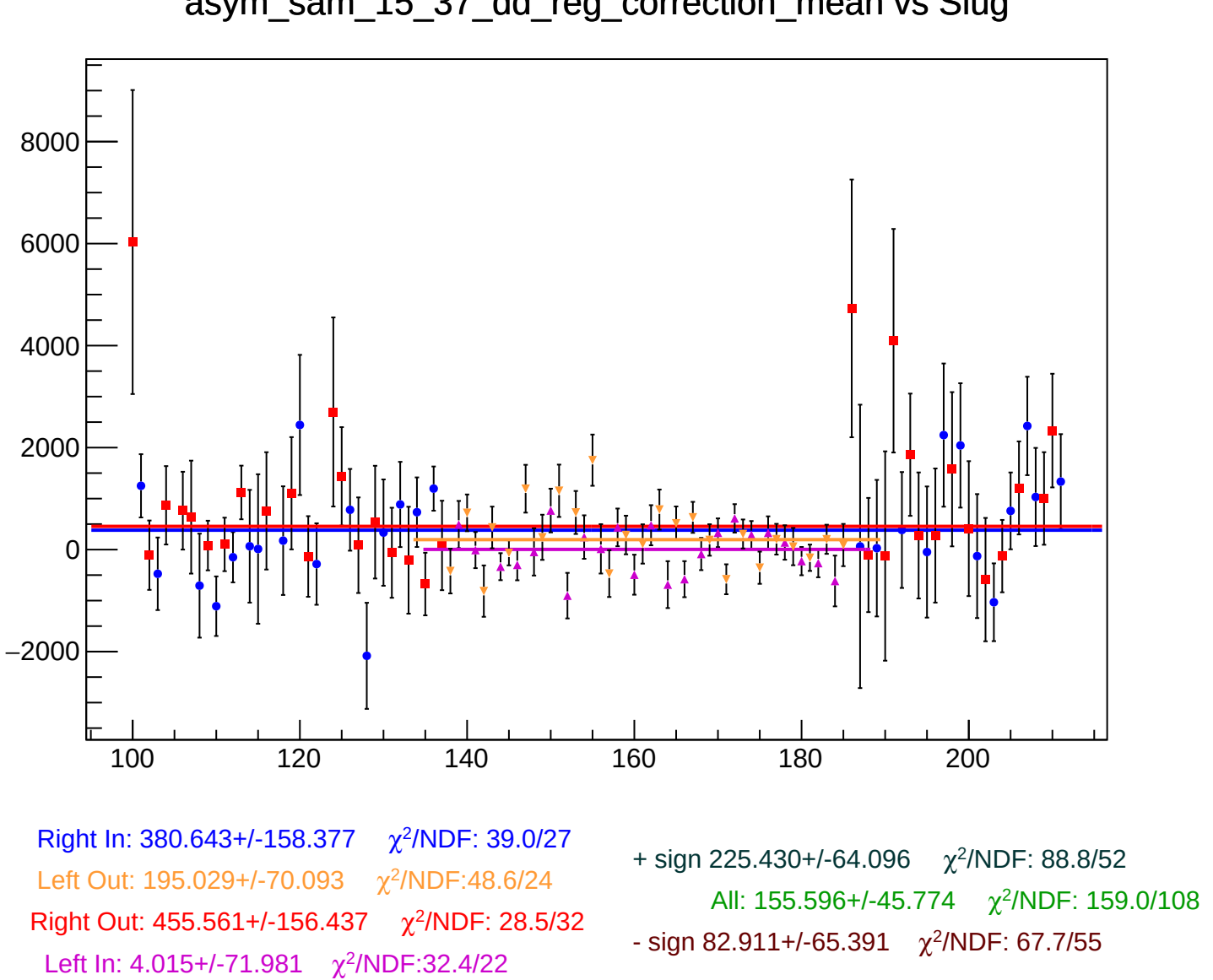
Right Out: 56.865+/-0.010 χ^2/NDF: 5043419.5/32

Left In: 39.491+/-0.007 χ^2/NDF:251801.8/22

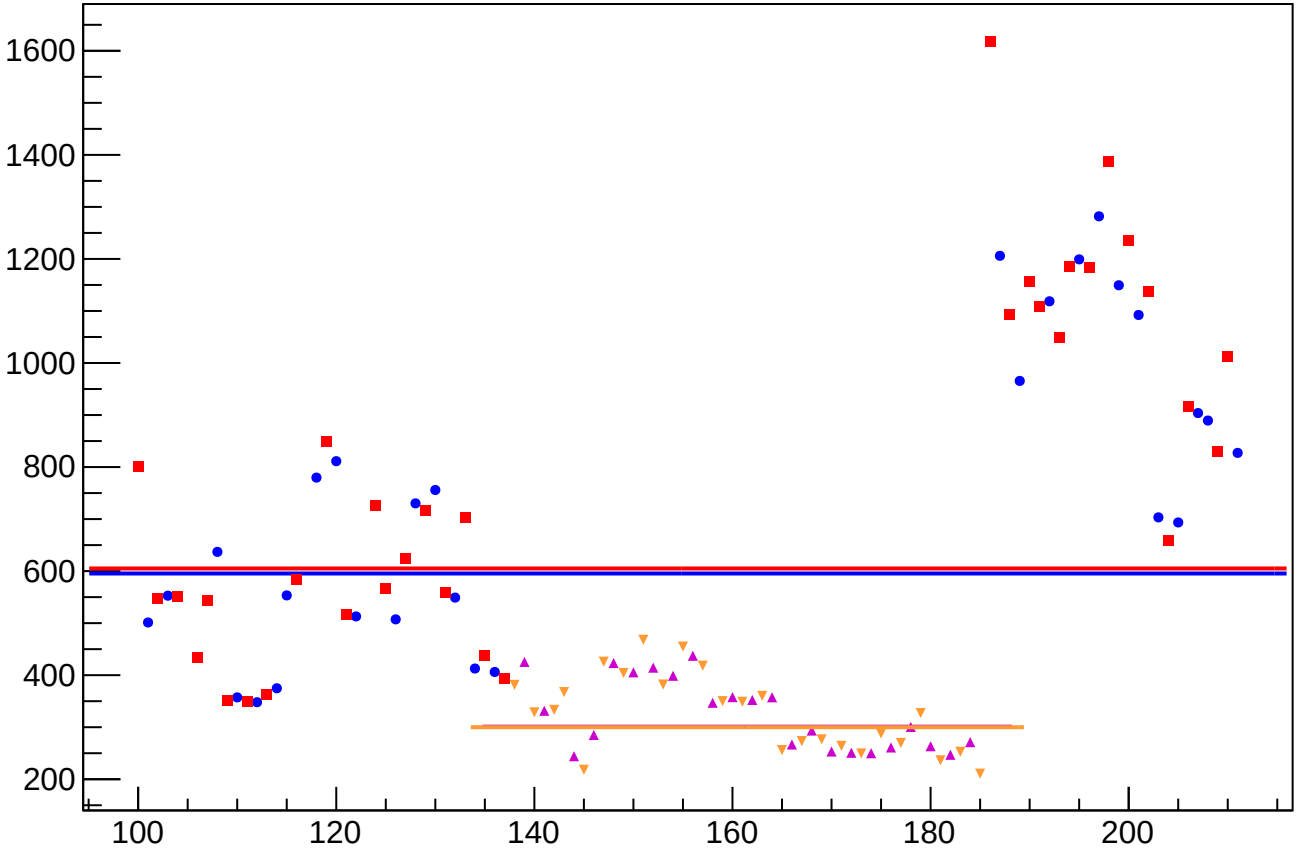
+ sign 43.853+/-0.005 χ^2/NDF: 5746375.5/52

All: 44.171+/-0.004 χ^2/NDF: 13074284.9/108

- sign 44.502+/-0.006 χ^2/NDF: 7320888.9/55


asym_sam_15_37_dd_reg_correction_mean vs Slug
8000
6000
4000
2000
0
−2000
100
120
140
160
180
200
Right In: 380.643+/-158.377 χ²/NDF: 39.0/27
Left Out: 195.029+/-70.093 χ²/NDF:48.6/24
Right Out: 455.561+/-156.437 χ²/NDF: 28.5/32
Left In: 4.015+/-71.981 χ²/NDF:32.4/22
+ sign 225.430+/-64.096 χ²/NDF: 88.8/52
All: 155.596+/-45.774 χ²/NDF: 159.0/108
- sign 82.911+/-65.391 χ²/NDF: 67.7/55

asym_sam_15_37_dd_reg_correction_rms vs Slug



Right In: 595.411+/-0.112 χ^2/NDF: 4669458.4/27

Left Out: 299.976+/-0.050 χ^2/NDF:1808461.5/24

Right Out: 605.083+/-0.111 χ^2/NDF: 6092527.2/32

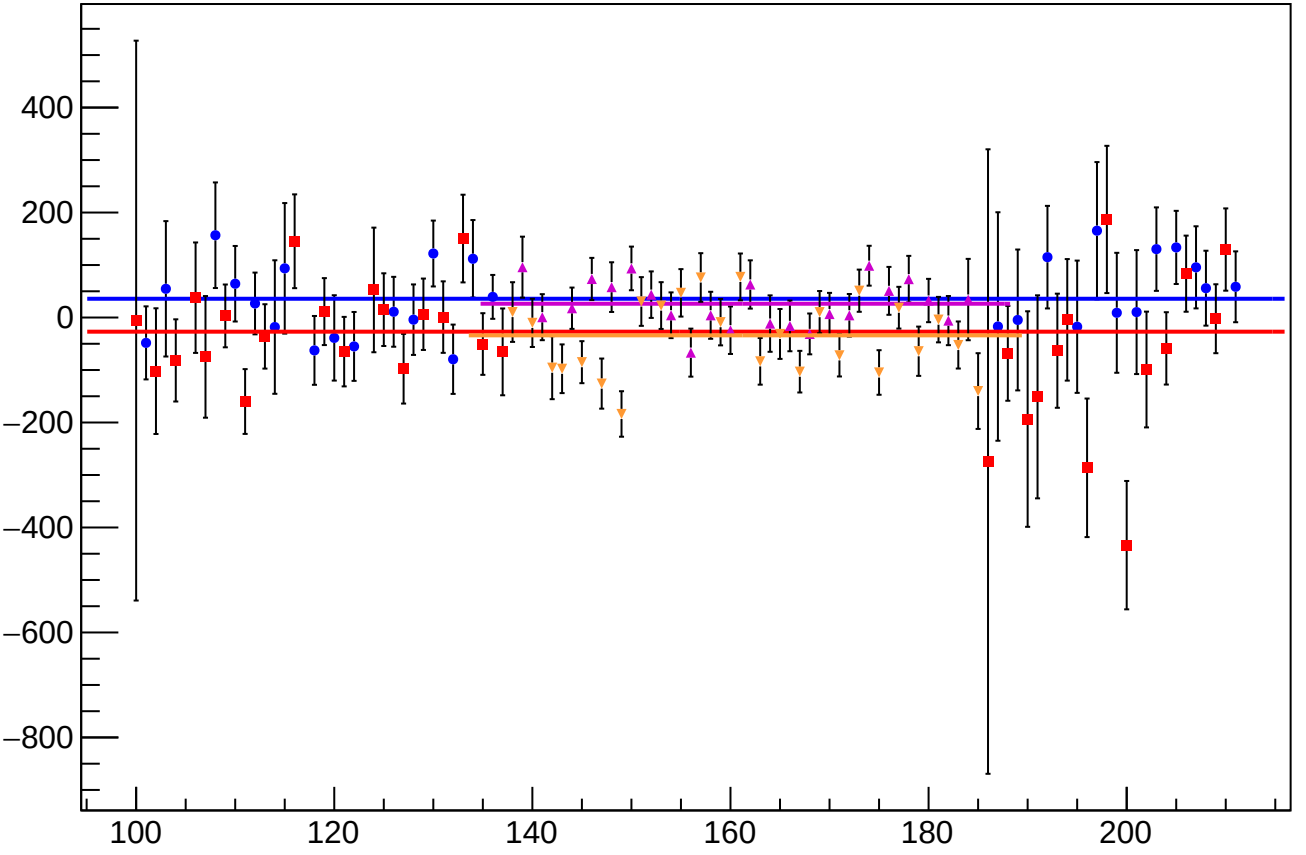
Left In: 301.000+/-0.051 χ^2/NDF:1407198.4/22

+ sign 348.365+/-0.045 χ^2/NDF: 12297439.5/52

All: 351.190+/-0.032 χ^2/NDF: 26041502.1/10

- sign 354.130+/-0.046 χ^2/NDF: 13736132.6/55

cor_asym_sam_15_37_dd_mean vs Slug



Right In: 35.750+/-14.632 χ^2/NDF: 21.2/27

Left Out: -33.955+/-8.993 χ^2/NDF:58.7/24

Right Out: -26.963+/-14.565 χ^2/NDF: 43.9/32

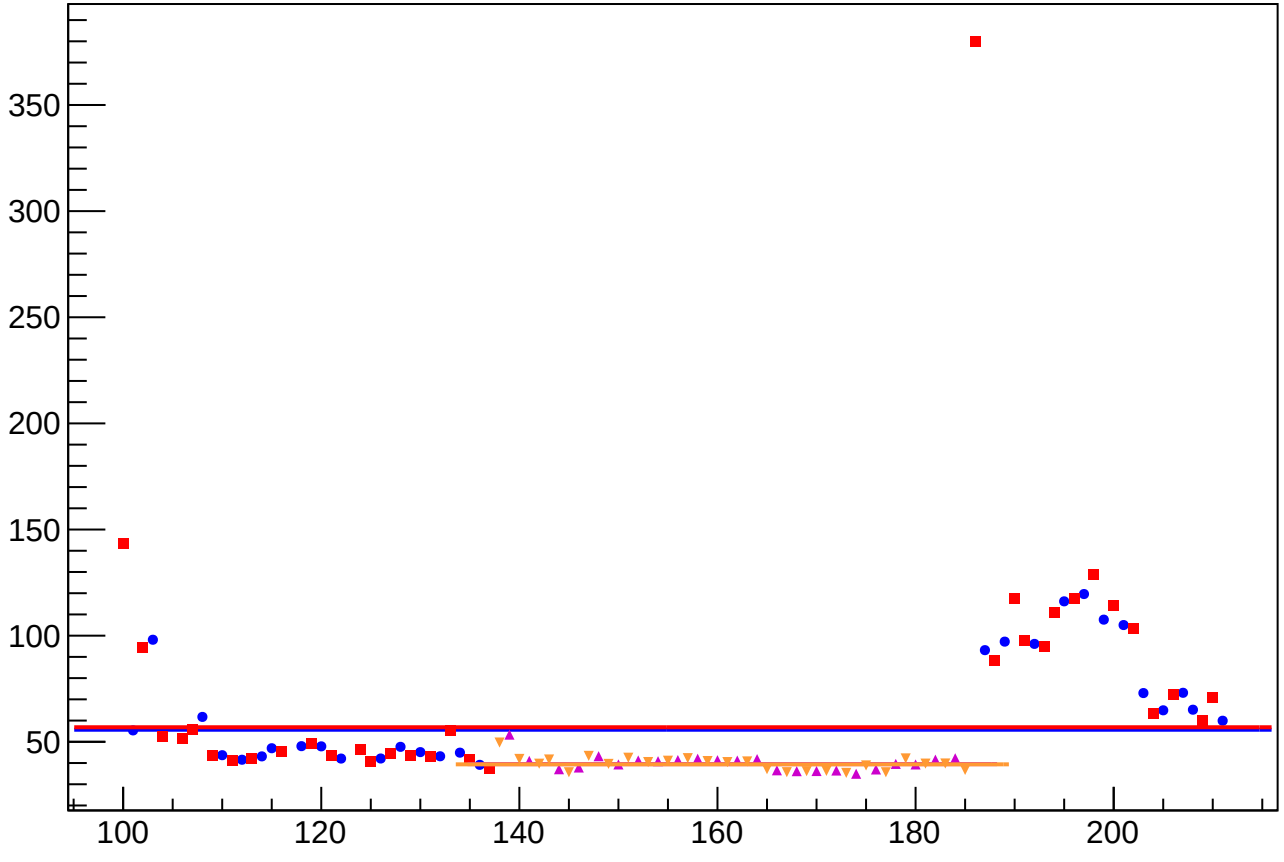
Left In: 26.267+/-9.271 χ^2/NDF:22.5/22

+ sign -14.842+/-7.662 χ^2/NDF: 96.4/52

All: -2.228+/-5.473 χ^2/NDF: 177.9/108

- sign 10.917+/-7.821 χ^2/NDF: 75.9/55

cor_asym_sam_15_37_dd_rms vs Slug



Right In: 55.687+/-0.010 χ^2/NDF: 3715212.7/27

Left Out: 39.383+/-0.006 χ^2/NDF:228799.9/24

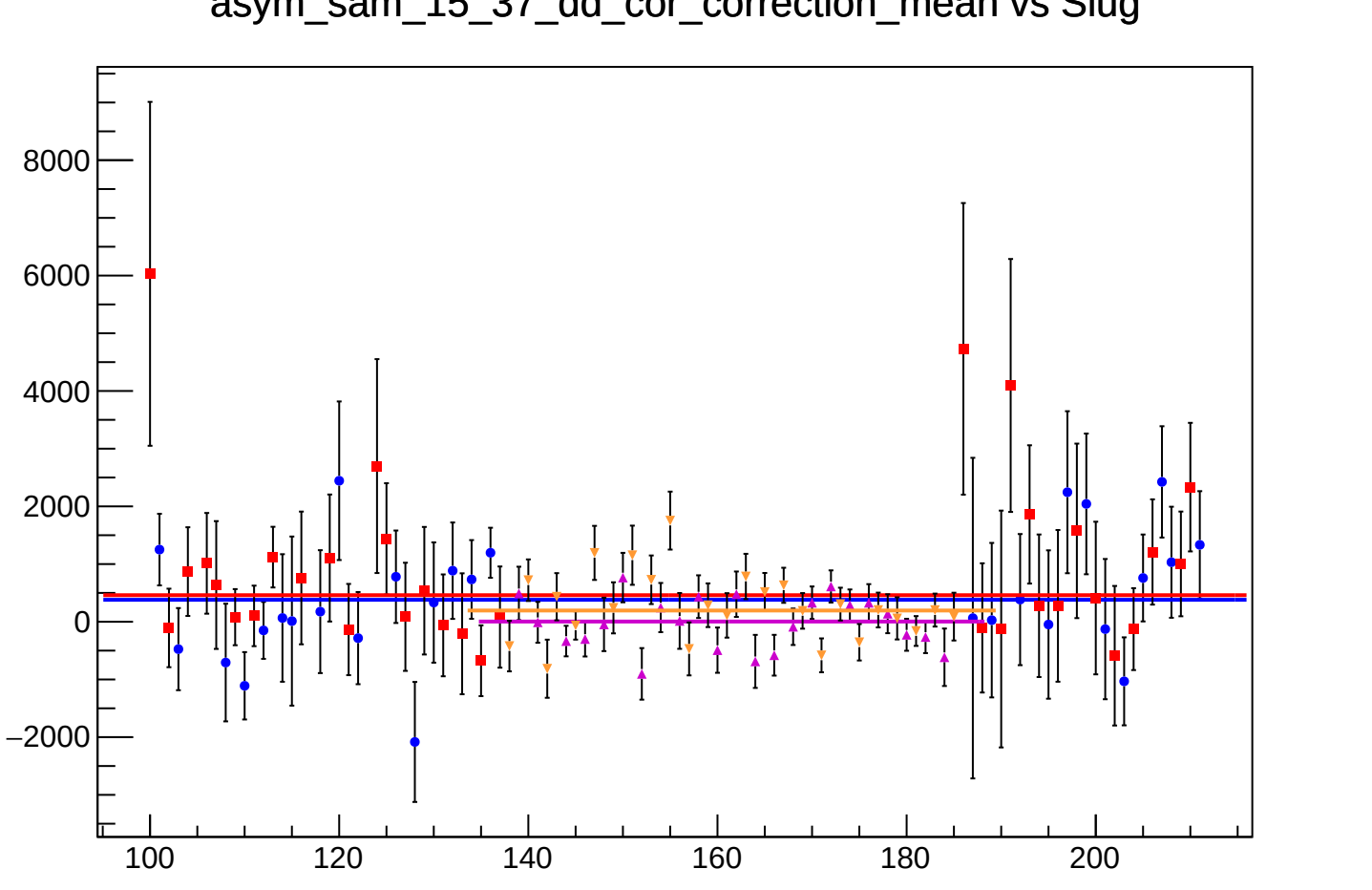
Right Out: 56.851+/-0.010 χ^2/NDF: 5045022.7/32

Left In: 39.491+/-0.007 χ^2/NDF:251801.8/22

+ sign 43.853+/-0.005 χ^2/NDF: 5746378.4/52

All: 44.168+/-0.004 χ^2/NDF: 13072067.3/108

- sign 44.497+/-0.006 χ^2/NDF: 7318774.7/55



Right In: 380.647+/-158.378 χ^2/NDF: 39.0/27

Left Out: 195.028+/-70.093 χ^2/NDF:48.6/24

Right Out: 460.771+/-157.227 χ^2/NDF: 28.7/32

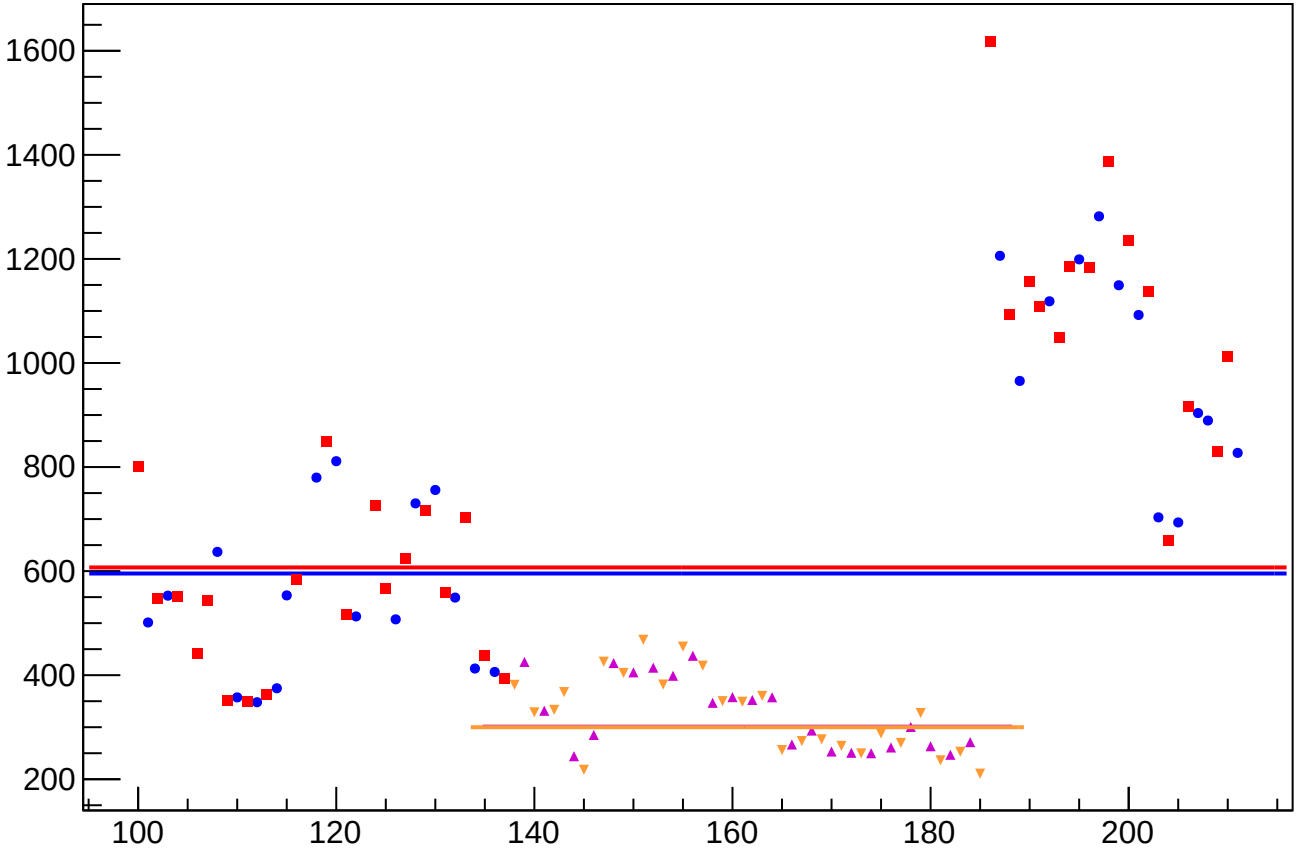
Left In: 4.014+/-71.981 χ^2/NDF:32.4/22

+ sign 225.430+/-64.096 χ^2/NDF: 88.8/52

All: 155.780+/-45.793 χ^2/NDF: 159.3/108

- sign 83.160+/-65.448 χ^2/NDF: 68.1/55

asym_sam_15_37_dd_cor_correction_rms vs Slug



Right In: 595.414+/-0.112 χ^2/NDF: 4669447.9/27

Left Out: 299.976+/-0.050 χ^2/NDF:1808454.4/24

Right Out: 607.063+/-0.111 χ^2/NDF: 6061819.5/32

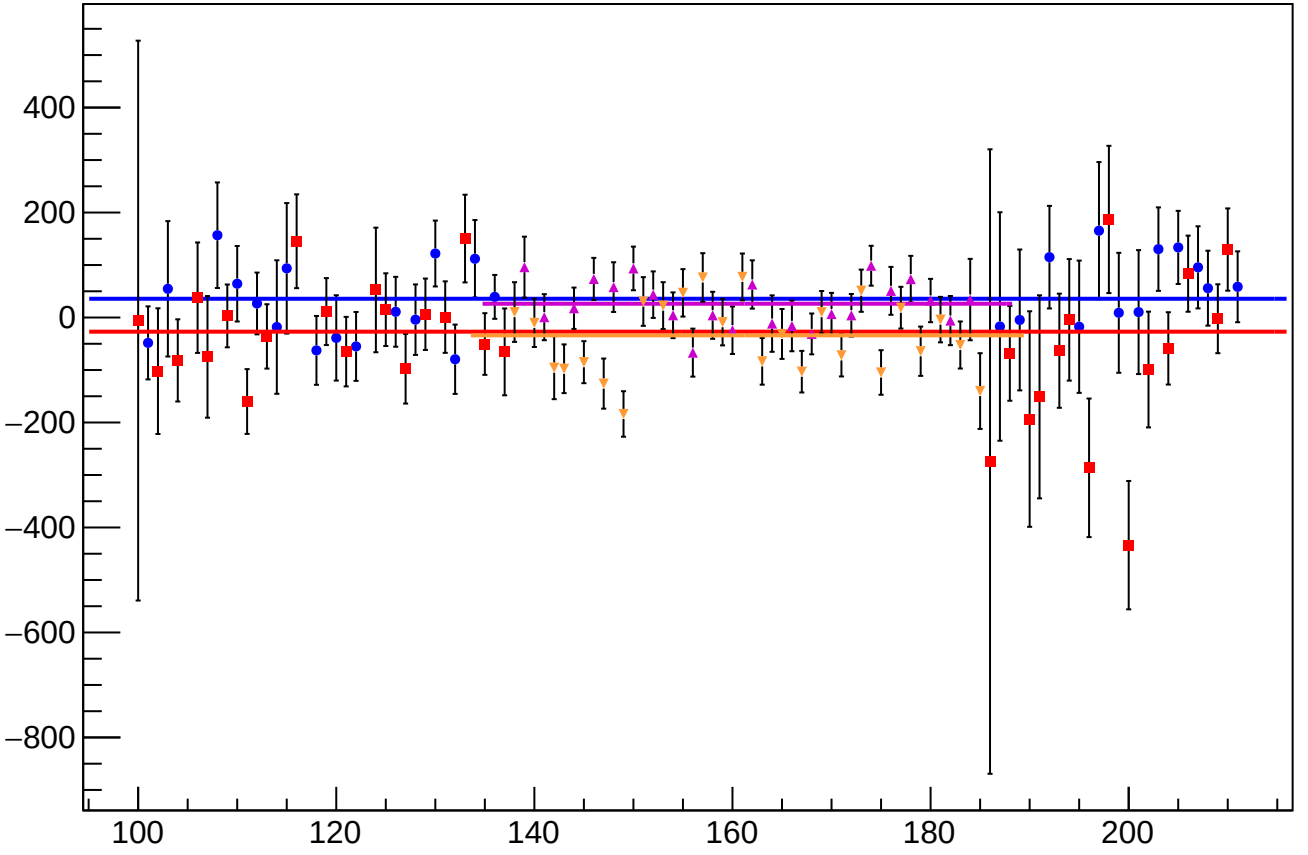
Left In: 300.999+/-0.051 χ^2/NDF:1407206.0/22

+ sign 348.365+/-0.045 χ^2/NDF: 12297479.7/52

All: 351.140+/-0.032 χ^2/NDF: 26039706.5/10

- sign 354.033+/-0.046 χ^2/NDF: 13734569.6/55

eigen_cor_asym_sam_15_37_dd_mean vs Slug



Right In: 35.750+/-14.632 χ^2/NDF: 21.2/27

Left Out: -33.955+/-8.993 χ^2/NDF:58.7/24

Right Out: -26.963+/-14.565 χ^2/NDF: 43.9/32

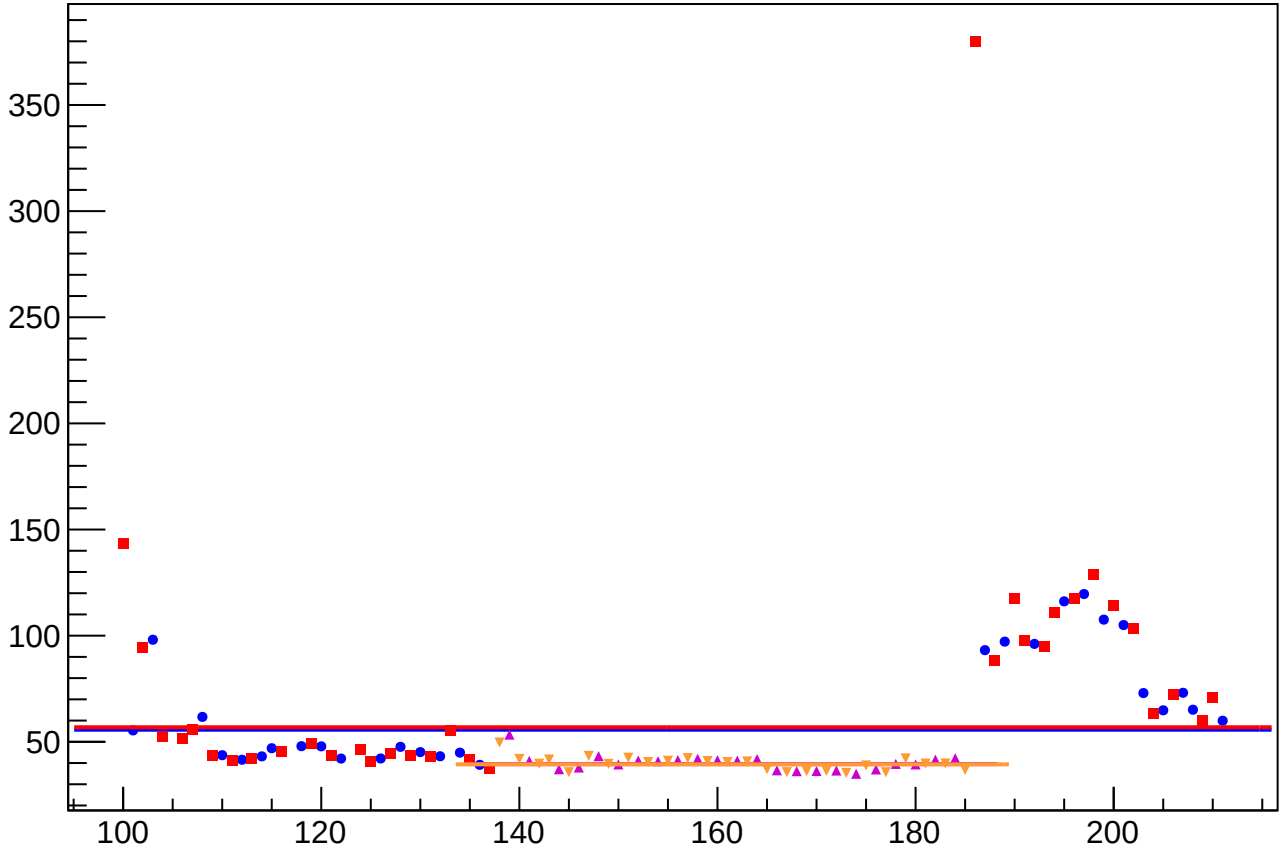
Left In: 26.267+/-9.271 χ^2/NDF:22.5/22

+ sign -14.842+/-7.662 χ^2/NDF: 96.4/52

All: -2.228+/-5.473 χ^2/NDF: 177.9/108

- sign 10.917+/-7.821 χ^2/NDF: 75.9/55

eigen_cor_asym_sam_15_37_dd_rms vs Slug



Right In: 55.687+/-0.010 χ^2/NDF: 3715212.7/27

Left Out: 39.383+/-0.006 χ^2/NDF:228799.9/24

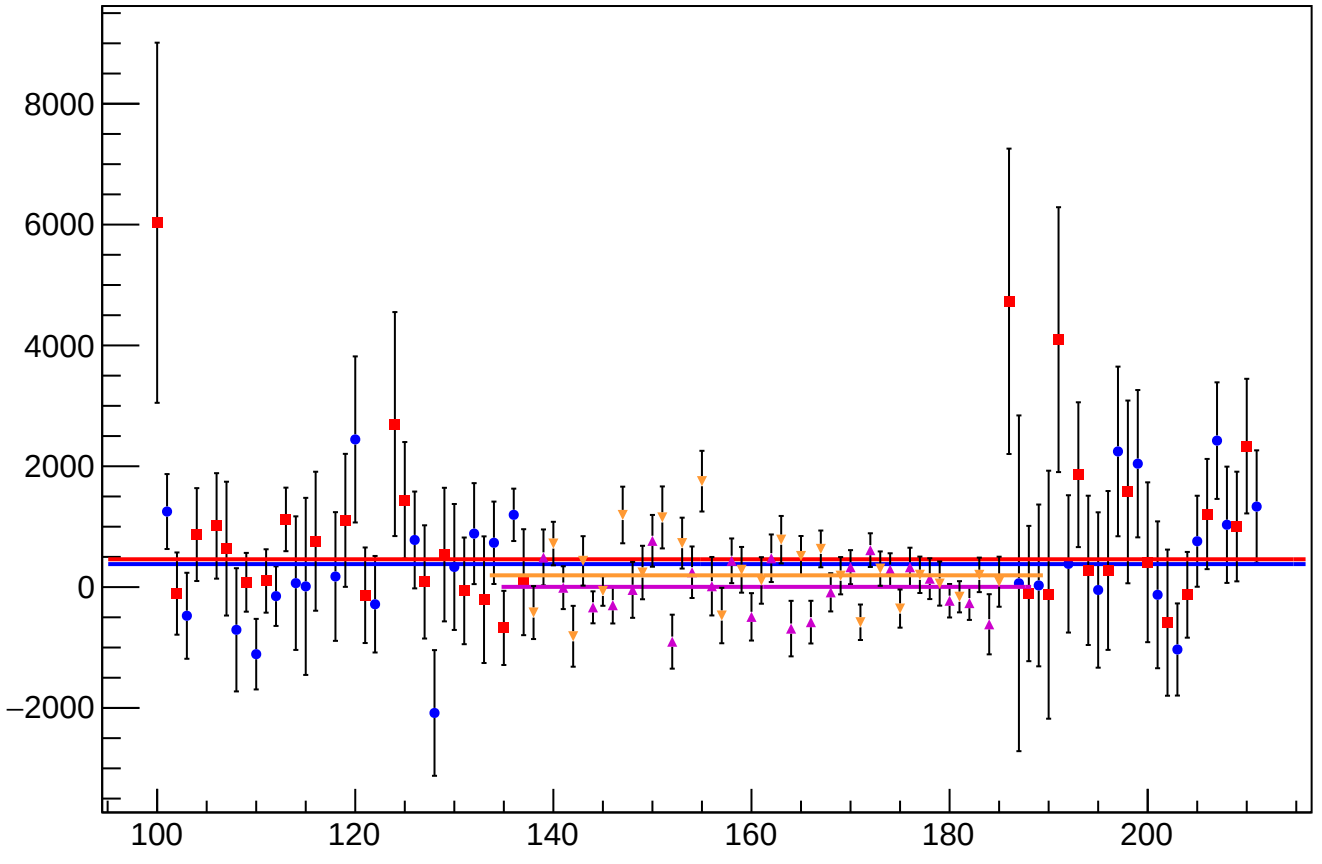
Right Out: 56.851+/-0.010 χ^2/NDF: 5045022.7/32

Left In: 39.491+/-0.007 χ^2/NDF:251801.8/22

+ sign 43.853+/-0.005 χ^2/NDF: 5746378.4/52

All: 44.168+/-0.004 χ^2/NDF: 13072067.3/108

- sign 44.497+/-0.006 χ^2/NDF: 7318774.7/55



Right In: 380.647+/-158.378 χ^2/NDF: 39.0/27

Left Out: 195.028+/-70.093 χ^2/NDF:48.6/24

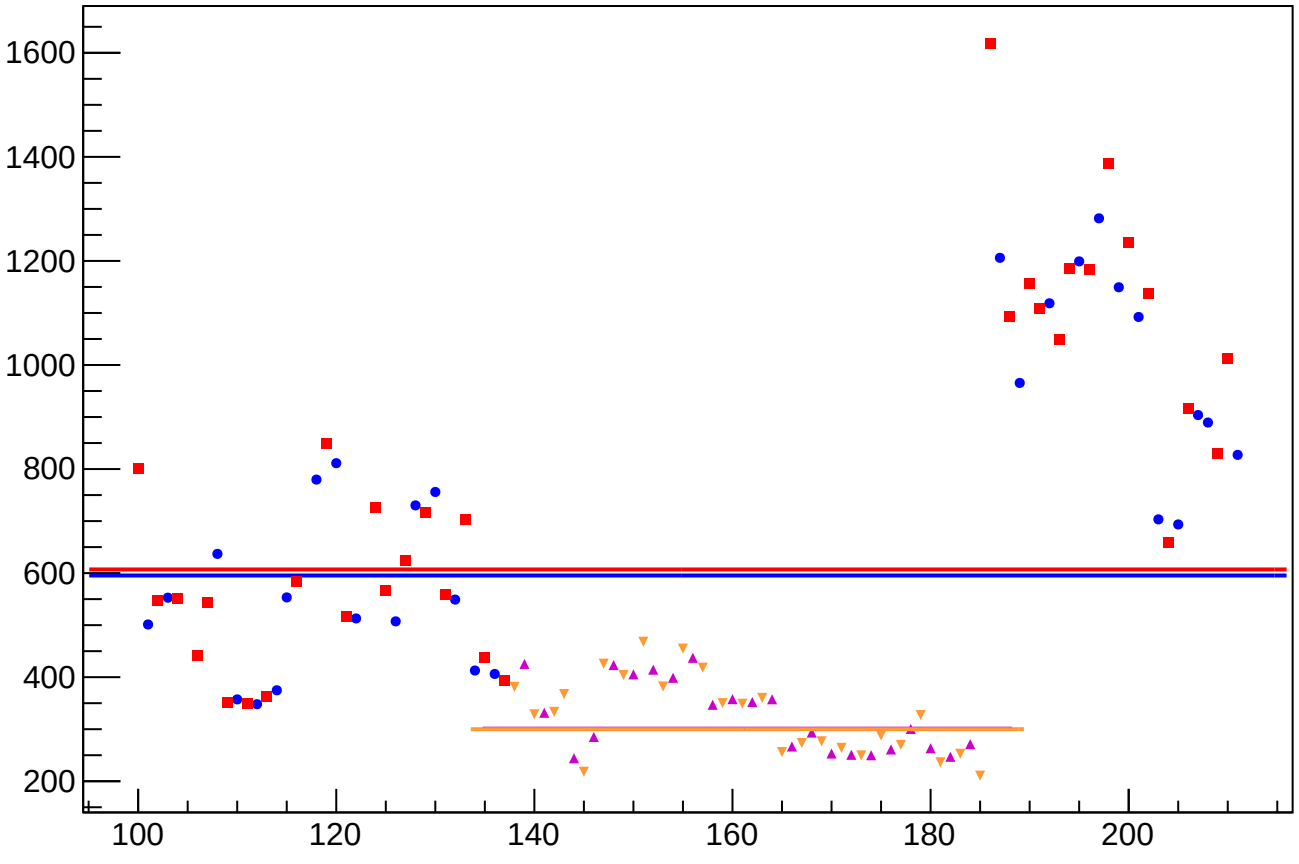
Right Out: 460.771+/-157.227 χ^2/NDF: 28.7/32

Left In: 4.014+/-71.981 χ^2/NDF:32.4/22

+ sign 225.430+/-64.096 χ^2/NDF: 88.8/52

All: 155.780+/-45.793 χ^2/NDF: 159.3/108

- sign 83.160+/-65.448 χ^2/NDF: 68.1/55



Right In: 595.414+/-0.112 χ^2/NDF: 4669447.9/27

Left Out: 299.976+/-0.050 χ^2/NDF:1808454.4/24

Right Out: 607.063+/-0.111 χ^2/NDF: 6061819.5/32

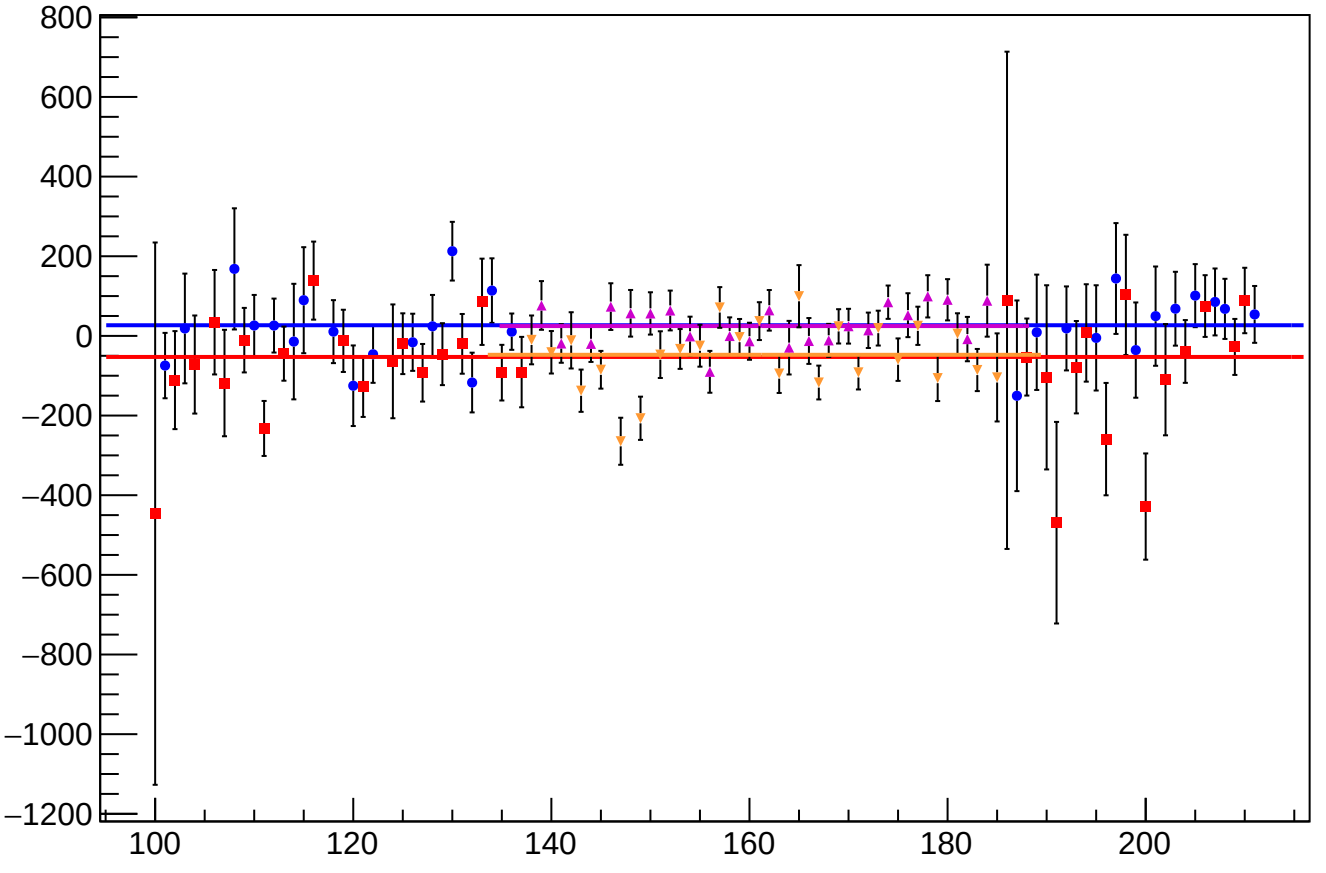
Left In: 300.999+/-0.051 χ^2/NDF:1407206.0/22

+ sign 348.365+/-0.045 χ^2/NDF: 12297479.7/52

All: 351.140+/-0.032 χ^2/NDF: 26039706.5/10

- sign 354.033+/-0.046 χ^2/NDF: 13734569.6/55

dit_asym_sam_15_37_dd_mean vs Slug



Right In: 26.754+/-16.383 χ^2/NDF: 21.3/27

Left Out: -47.480+/-10.392 χ^2/NDF:54.7/24

Right Out: -52.843+/-16.650 χ^2/NDF: 36.5/32

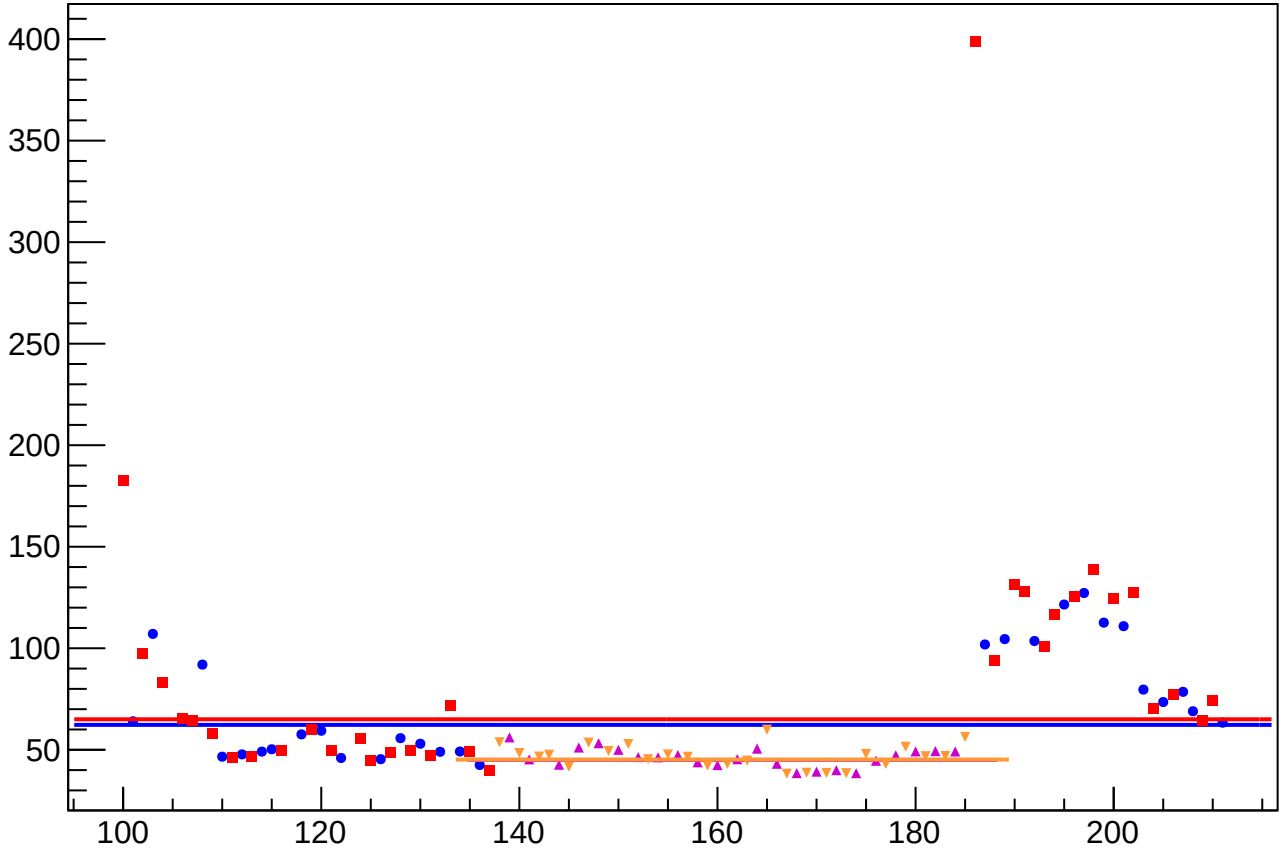
Left In: 24.687+/-10.660 χ^2/NDF:19.7/22

+ sign -26.181+/-8.776 χ^2/NDF: 90.7/52

All: -12.339+/-6.275 χ^2/NDF: 167.3/108

- sign 2.147+/-8.978 χ^2/NDF: 71.6/55

dit_asym_sam_15_37_dd_rms vs Slug



Right In: 62.274+/-0.012 χ^2/NDF: 3486059.9/27

Left Out: 45.175+/-0.007 χ^2/NDF:489860.2/24

Right Out: 65.021+/-0.012 χ^2/NDF: 4729677.7/32

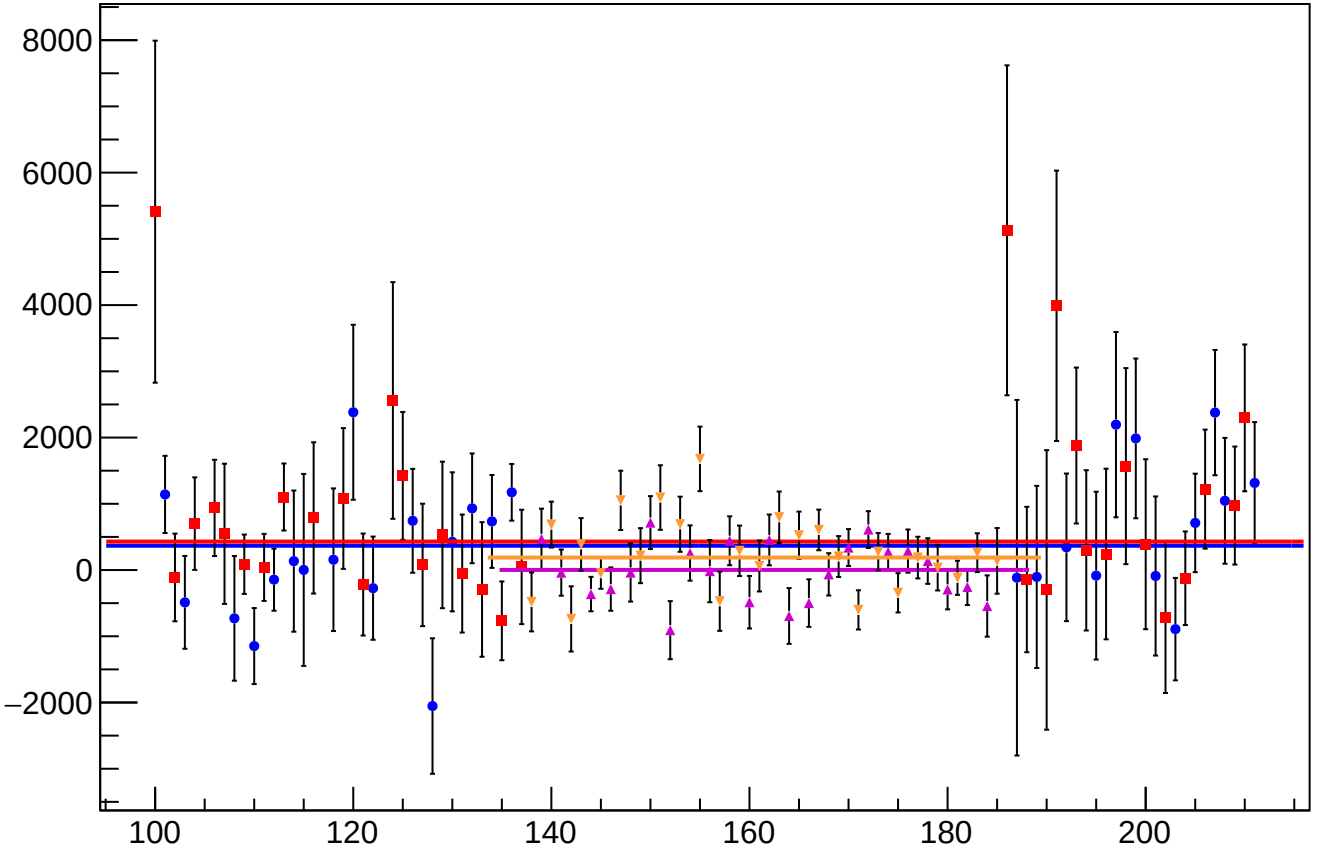
Left In: 45.017+/-0.008 χ^2/NDF:372690.8/22

+ sign 50.081+/-0.006 χ^2/NDF: 5529376.2/52

All: 50.448+/-0.004 χ^2/NDF: 12686482.5/108

- sign 50.833+/-0.006 χ^2/NDF: 7149927.5/55

asym_sam_15_37_dd_dit_correction_mean vs Slug



Right In: 366.748+/-155.327 χ^2/NDF: 38.9/27

Left Out: 188.812+/-69.714 χ^2/NDF:46.8/24

Right Out: 429.704+/-151.144 χ^2/NDF: 31.6/32

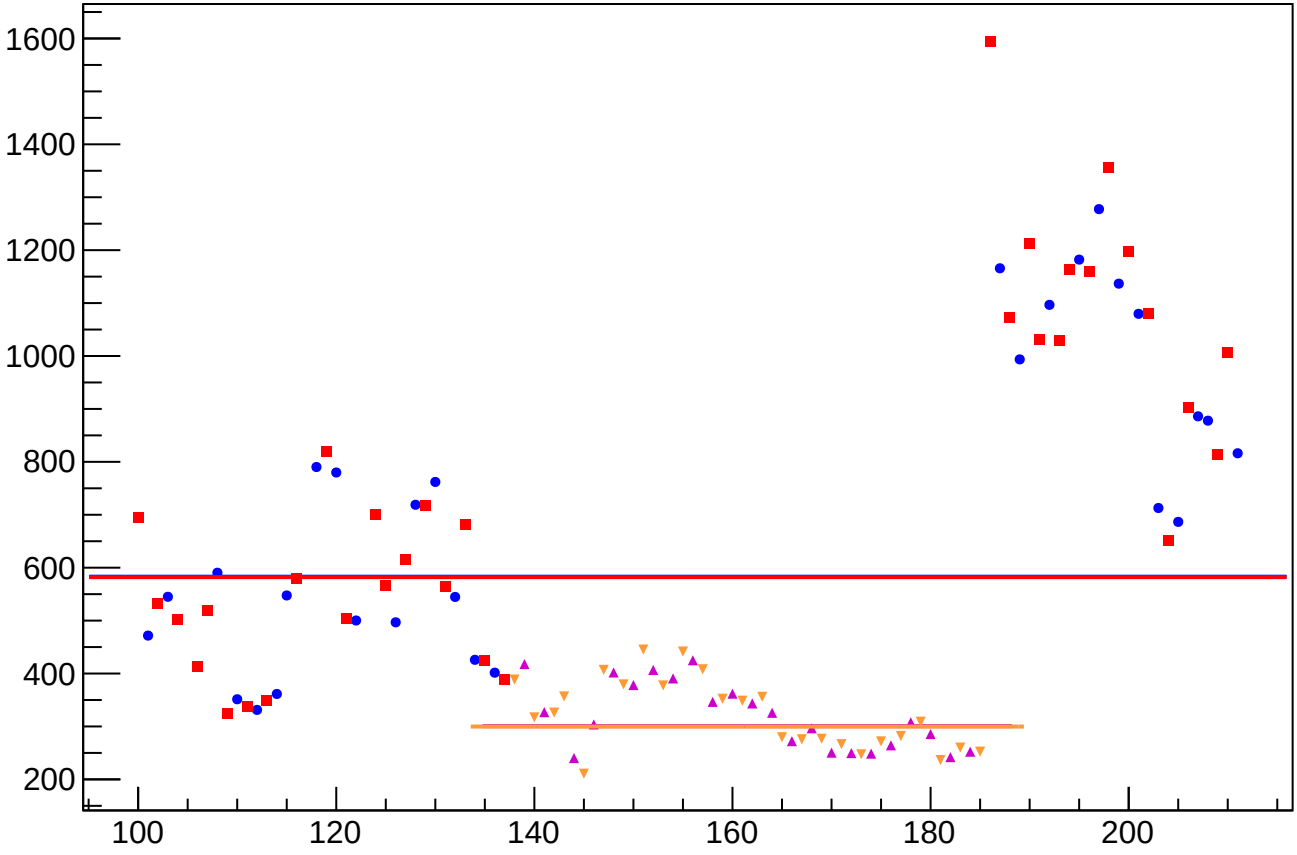
Left In: 1.655+/-71.712 χ^2/NDF:32.2/22

+ sign 218.646+/-63.601 χ^2/NDF: 86.8/52

All: 150.758+/-45.387 χ^2/NDF: 159.5/108

- sign 80.309+/-64.790 χ^2/NDF: 70.4/55

asym_sam_15_37_dd_dit_correction_rms vs Slug



Right In: 582.964+/-0.110 χ^2/NDF: 4814557.3/27

Left Out: 299.798+/-0.049 χ^2/NDF:1577420.4/24

Right Out: 582.118+/-0.107 χ^2/NDF: 6375848.5/32

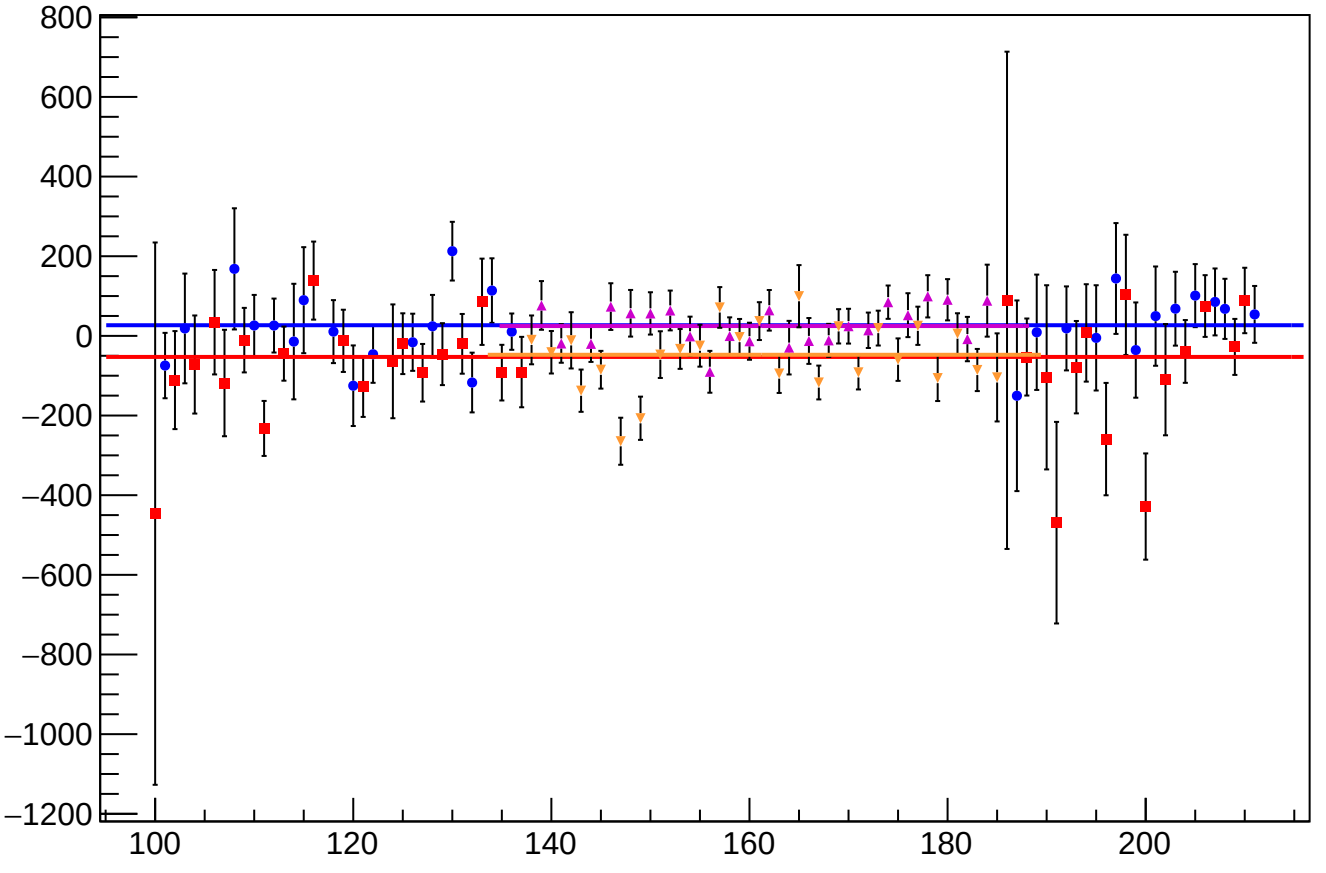
Left In: 300.544+/-0.051 χ^2/NDF:1259270.5/22

+ sign 347.275+/-0.045 χ^2/NDF: 11924453.4/52

All: 349.733+/-0.032 χ^2/NDF: 25231376.9/10

- sign 352.283+/-0.046 χ^2/NDF: 13300837.9/55

eigen_dit_asym_sam_15_37_dd_mean vs Slug



Right In: 26.754+/-16.383 χ^2/NDF: 21.3/27

Left Out: -47.480+/-10.392 χ^2/NDF:54.7/24

Right Out: -52.844+/-16.650 χ^2/NDF: 36.5/32

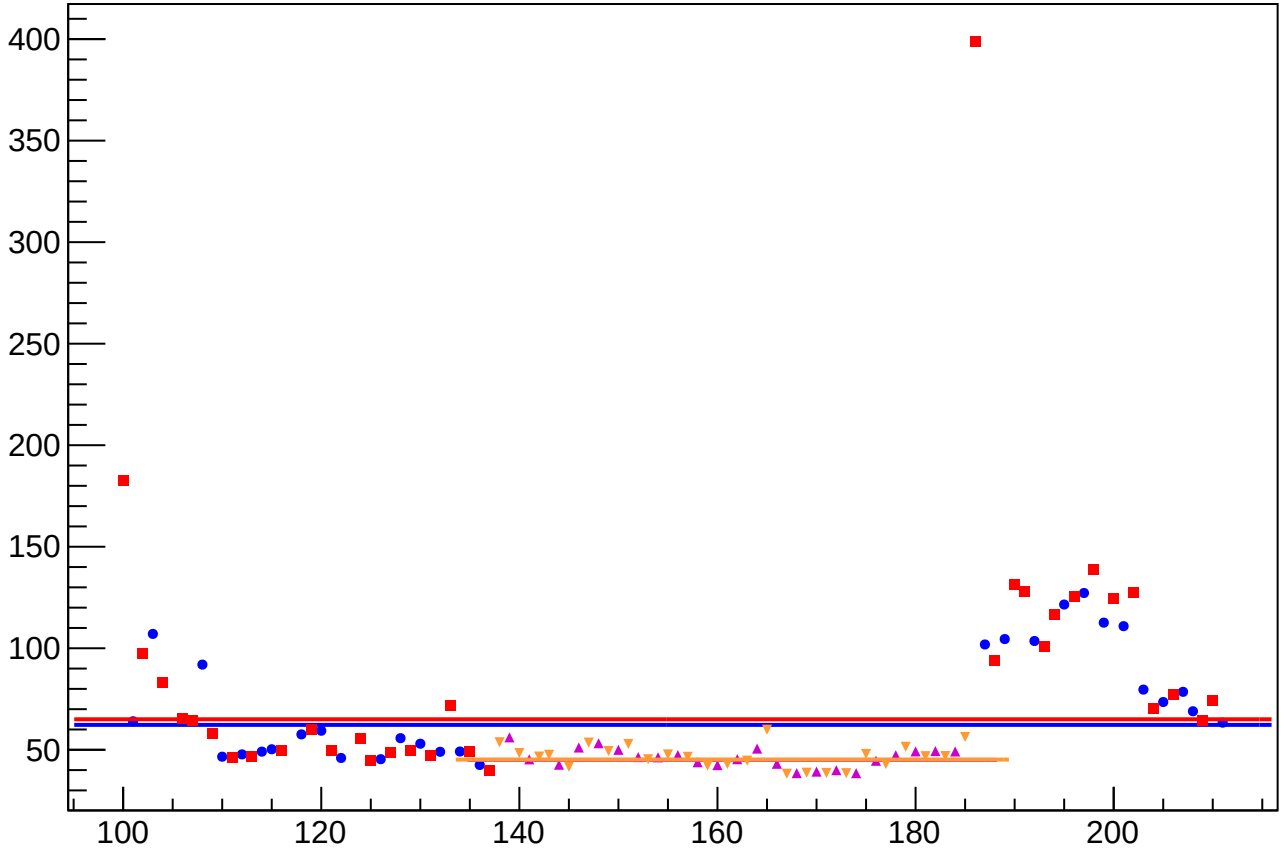
Left In: 24.687+/-10.660 χ^2/NDF:19.7/22

+ sign -26.181+/-8.776 χ^2/NDF: 90.7/52

All: -12.339+/-6.275 χ^2/NDF: 167.3/108

- sign 2.147+/-8.978 χ^2/NDF: 71.6/55

eigen_dit_asym_sam_15_37_dd_rms vs Slug



Right In: 62.274+/-0.012 χ^2/NDF: 3486064.6/27

Left Out: 45.175+/-0.007 χ^2/NDF:489860.2/24

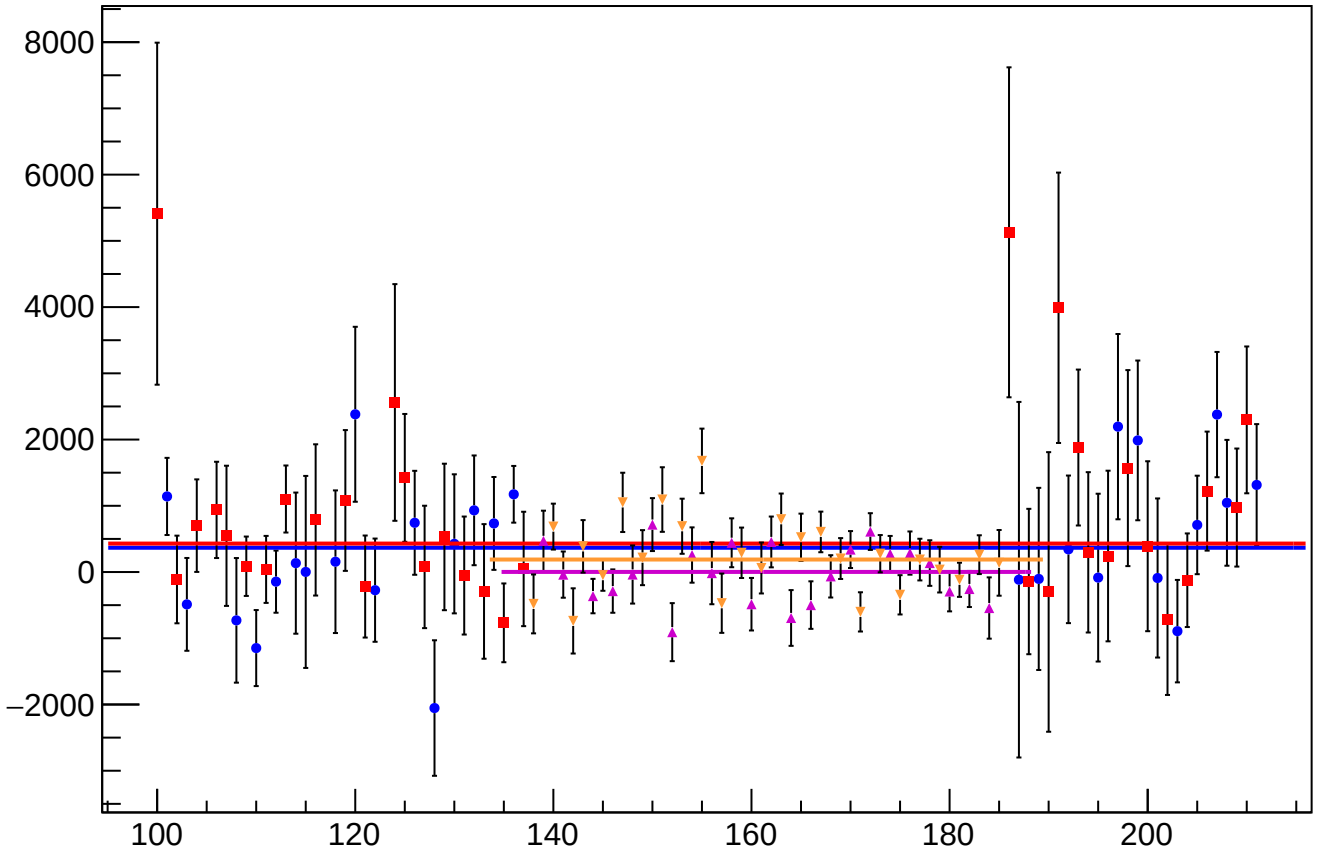
Right Out: 65.021+/-0.012 χ^2/NDF: 4729681.4/32

Left In: 45.017+/-0.008 χ^2/NDF:372691.9/22

+ sign 50.081+/-0.006 χ^2/NDF: 5529380.7/52

All: 50.448+/-0.004 χ^2/NDF: 12686490.6/108

- sign 50.833+/-0.006 χ^2/NDF: 7149930.3/55



Right In: 366.747+/-155.326 χ^2/NDF: 38.9/27

Left Out: 188.813+/-69.714 χ^2/NDF:46.8/24

Right Out: 429.703+/-151.144 χ^2/NDF: 31.6/32

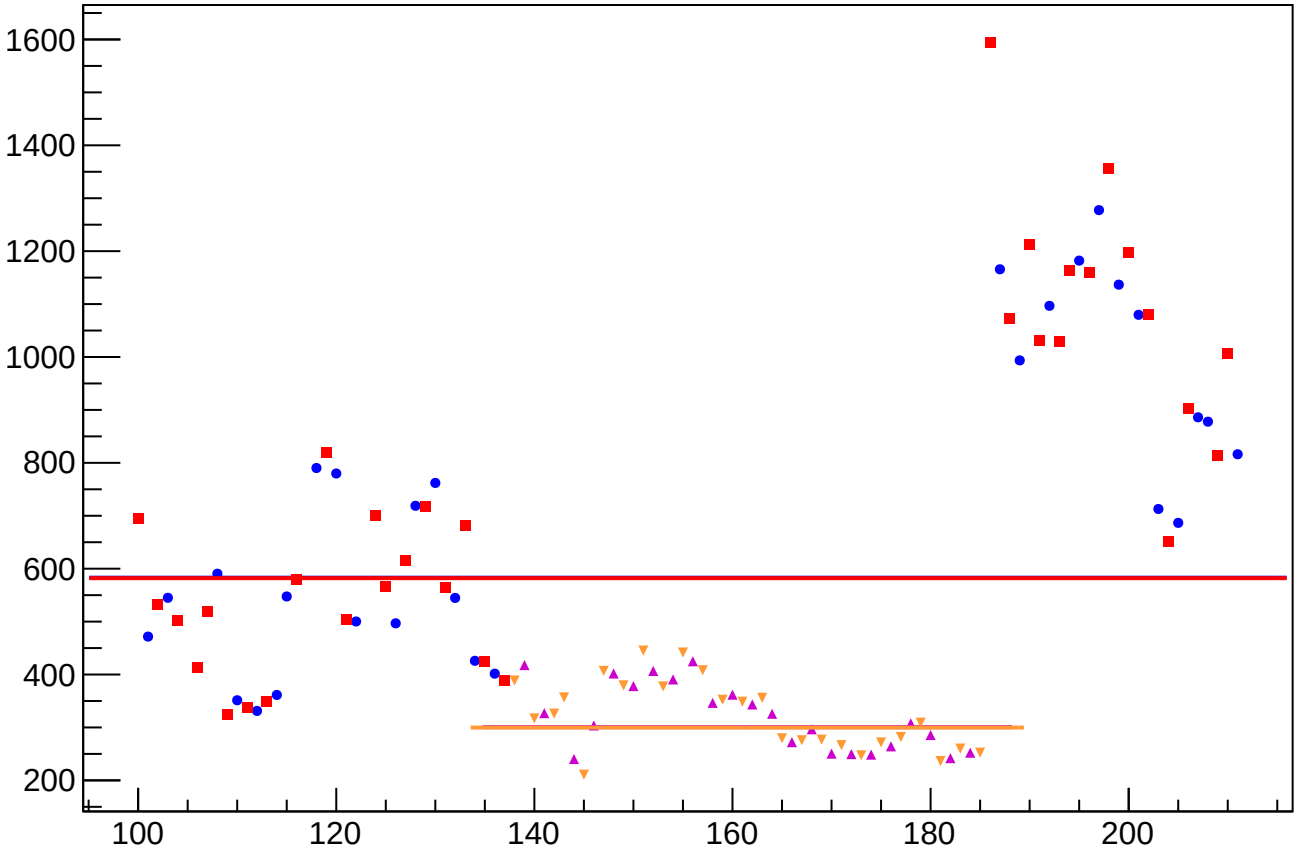
Left In: 1.654+/-71.712 χ^2/NDF:32.2/22

\+ sign 218.646+/-63.602 χ^2/NDF: 86.8/52

All: 150.758+/-45.387 χ^2/NDF: 159.5/108

\- sign 80.309+/-64.790 χ^2/NDF: 70.4/55

asym_sam_15_37_dd_eigen_dit_correction_rms vs Slug



Right In: 582.964+/-0.110 χ^2/NDF: 4814573.2/27

Left Out: 299.798+/-0.049 χ^2/NDF:1577421.4/24

Right Out: 582.117+/-0.107 χ^2/NDF: 6375859.7/32

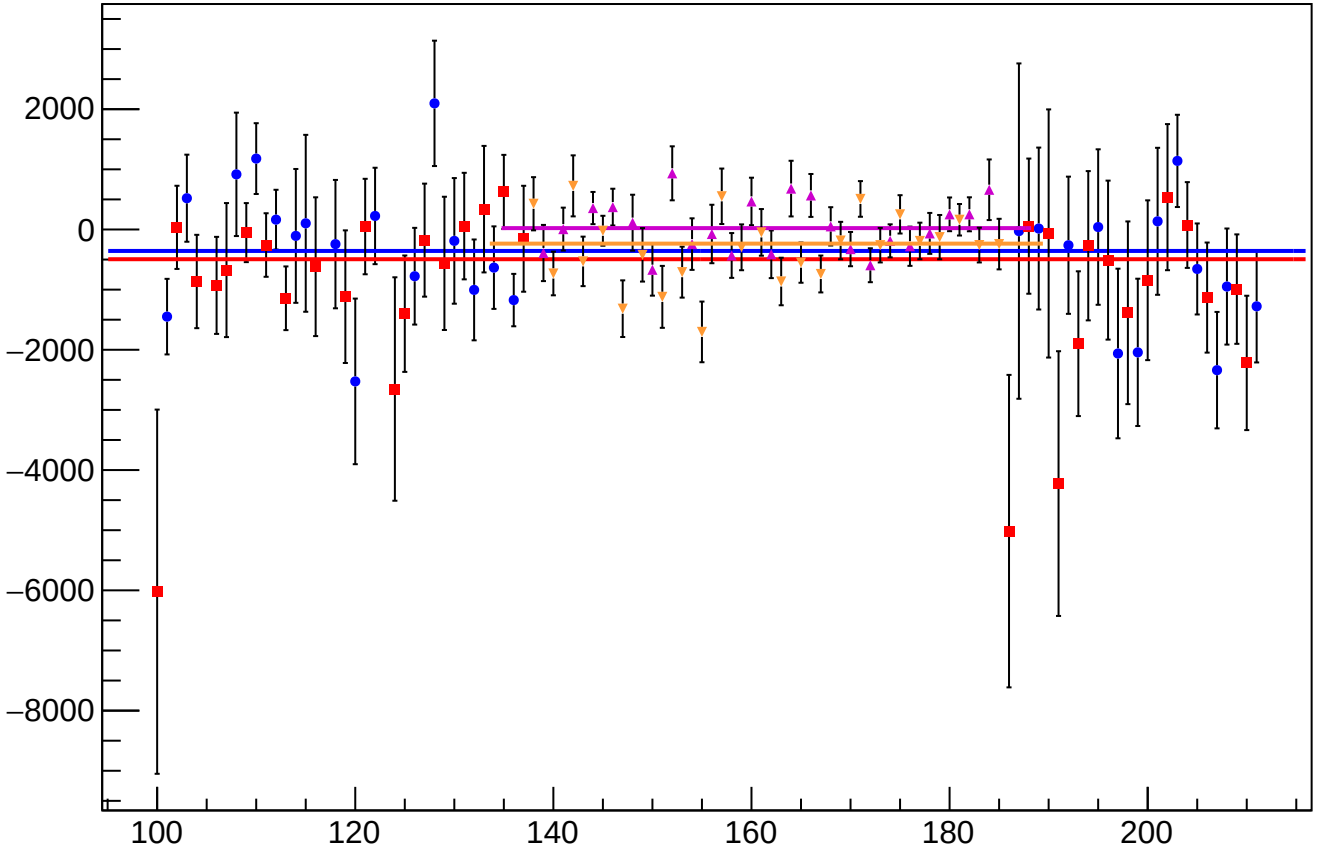
Left In: 300.544+/-0.051 χ^2/NDF:1259265.2/22

+ sign 347.275+/-0.045 χ^2/NDF: 11924439.5/52

All: 349.733+/-0.032 χ^2/NDF: 25231327.9/10

- sign 352.284+/-0.046 χ^2/NDF: 13300802.4/55

asym_sam_15_37_dd_mean vs Slug



Right In: -356.833+/-159.344 χ^2/NDF: 40.4/27

Left Out: -235.168+/-70.741 χ^2/NDF:47.5/24

Right Out: -494.413+/-157.699 χ^2/NDF: 27.1/32

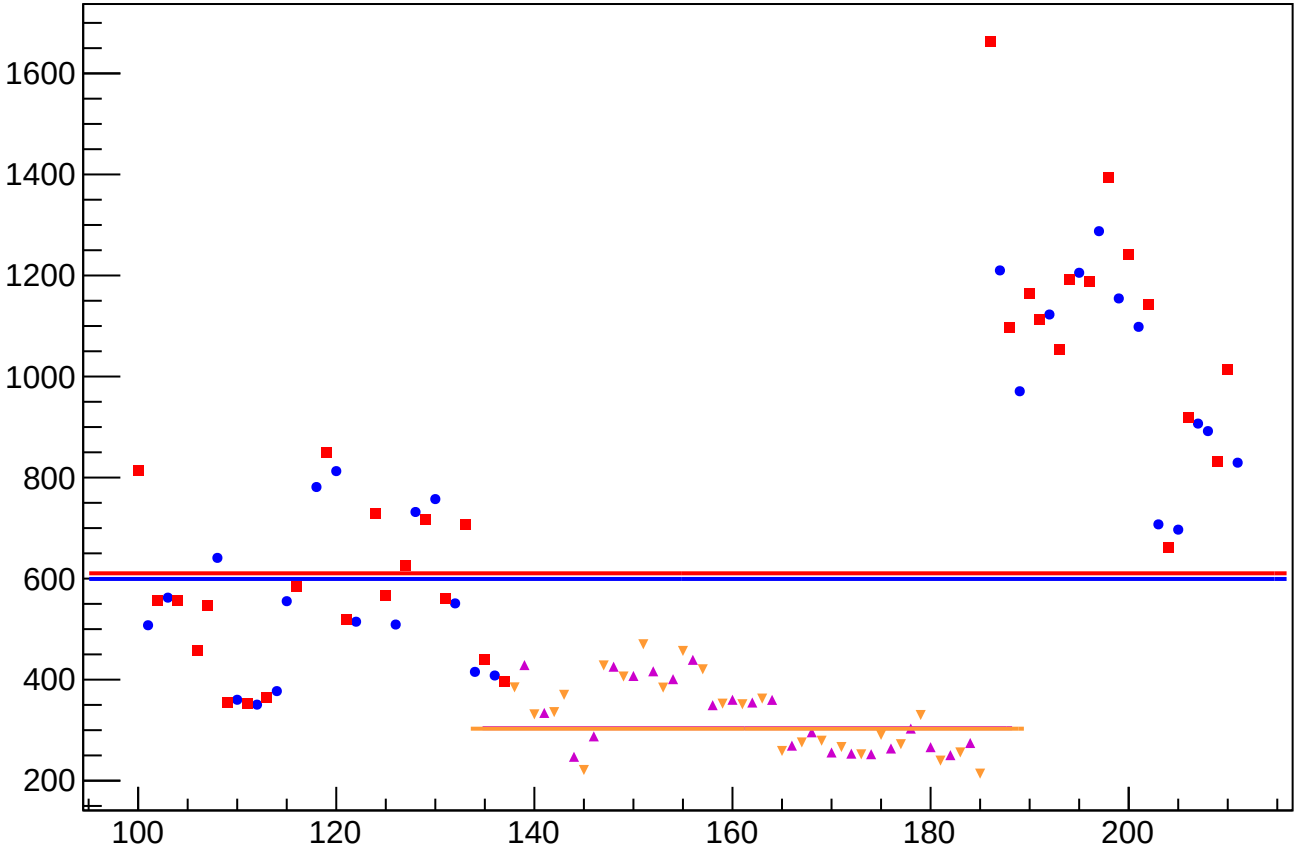
Left In: 22.662+/-72.642 χ^2/NDF:29.9/22

+ sign -255.199+/-64.656 χ^2/NDF: 88.4/52

All: -163.422+/-46.179 χ^2/NDF: 158.3/108

- sign -67.850+/-65.979 χ^2/NDF: 65.8/55

asym_sam_15_37_dd_rms vs Slug



Right In: 599.333+/-0.113 χ^2/NDF: 4642375.5/27

Left Out: 302.944+/-0.050 χ^2/NDF:1766061.8/24

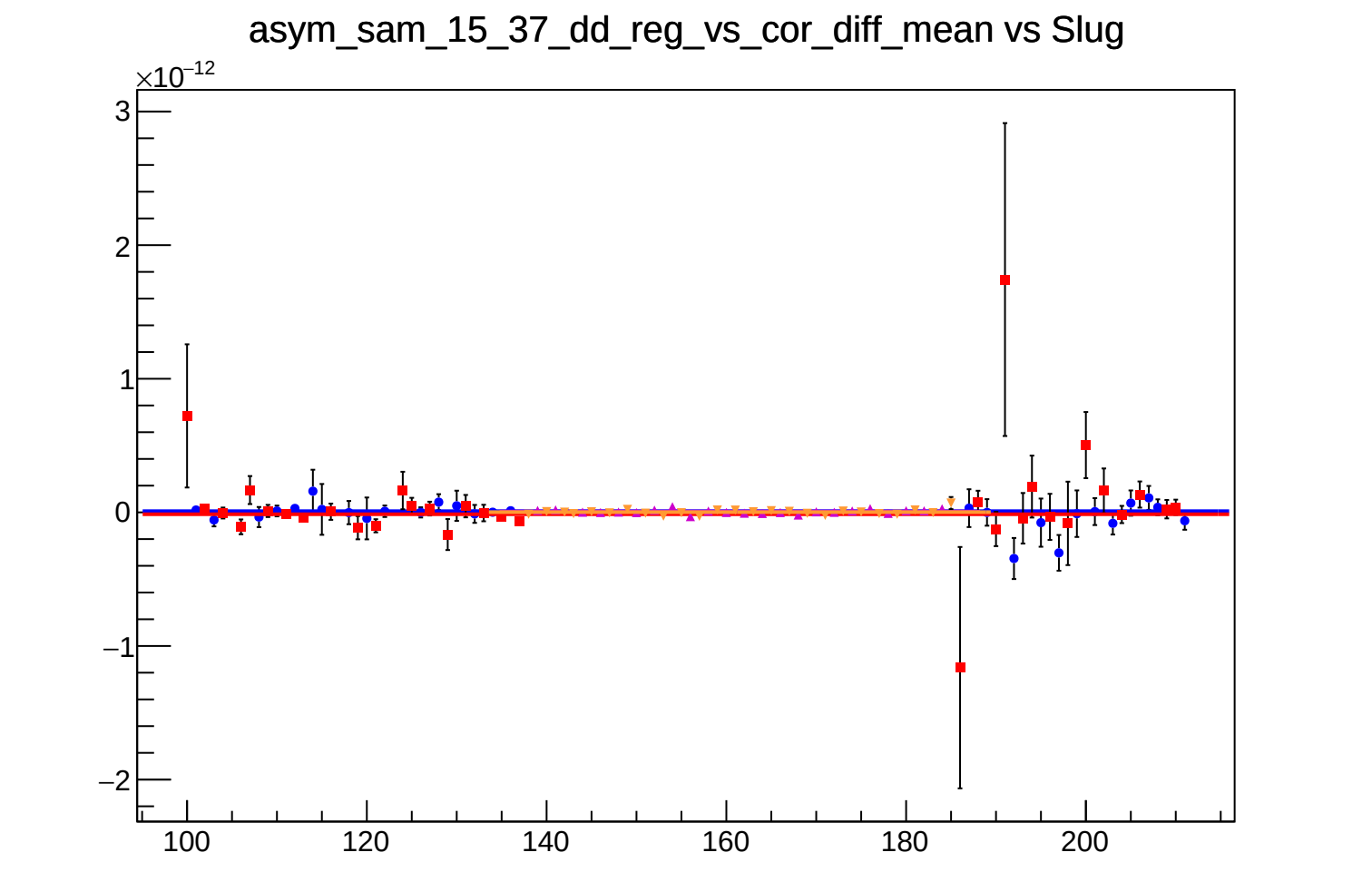
Right Out: 610.486+/-0.112 χ^2/NDF: 6037247.7/32

Left In: 303.923+/-0.051 χ^2/NDF:1376278.3/22

+ sign 351.742+/-0.046 χ^2/NDF: 12188853.0/52

All: 354.605+/-0.033 χ^2/NDF: 25845480.8/10

- sign 357.586+/-0.047 χ^2/NDF: 13648625.8/55



Right In: 0.000+/-0.000 χ^2/NDF: 20.8/27

Left Out: 0.000+/-0.000 χ^2/NDF:22.9/24

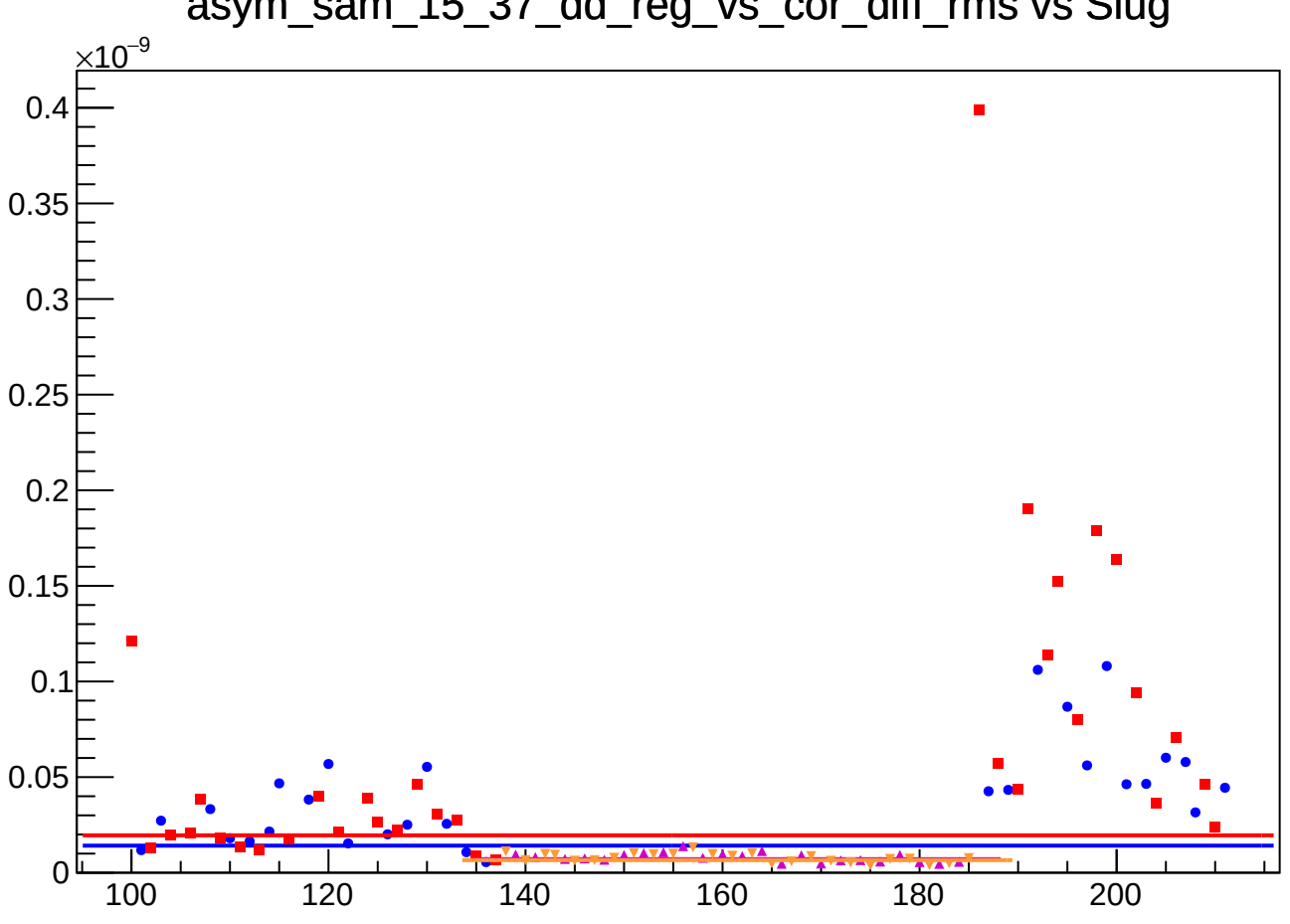
Right Out: -0.000+/-0.000 χ^2/NDF: 39.7/32

Left In: 0.000+/-0.000 χ^2/NDF:18.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 44.4/52

All: 0.000+/-0.000 χ^2/NDF: 106.5/108

- sign 0.000+/-0.000 χ^2/NDF: 61.9/55



Right In: 0.000+/-0.000 χ^2/NDF: 6470673.7/27

Left Out: 0.000+/-0.000 χ^2/NDF:1479029.9/24

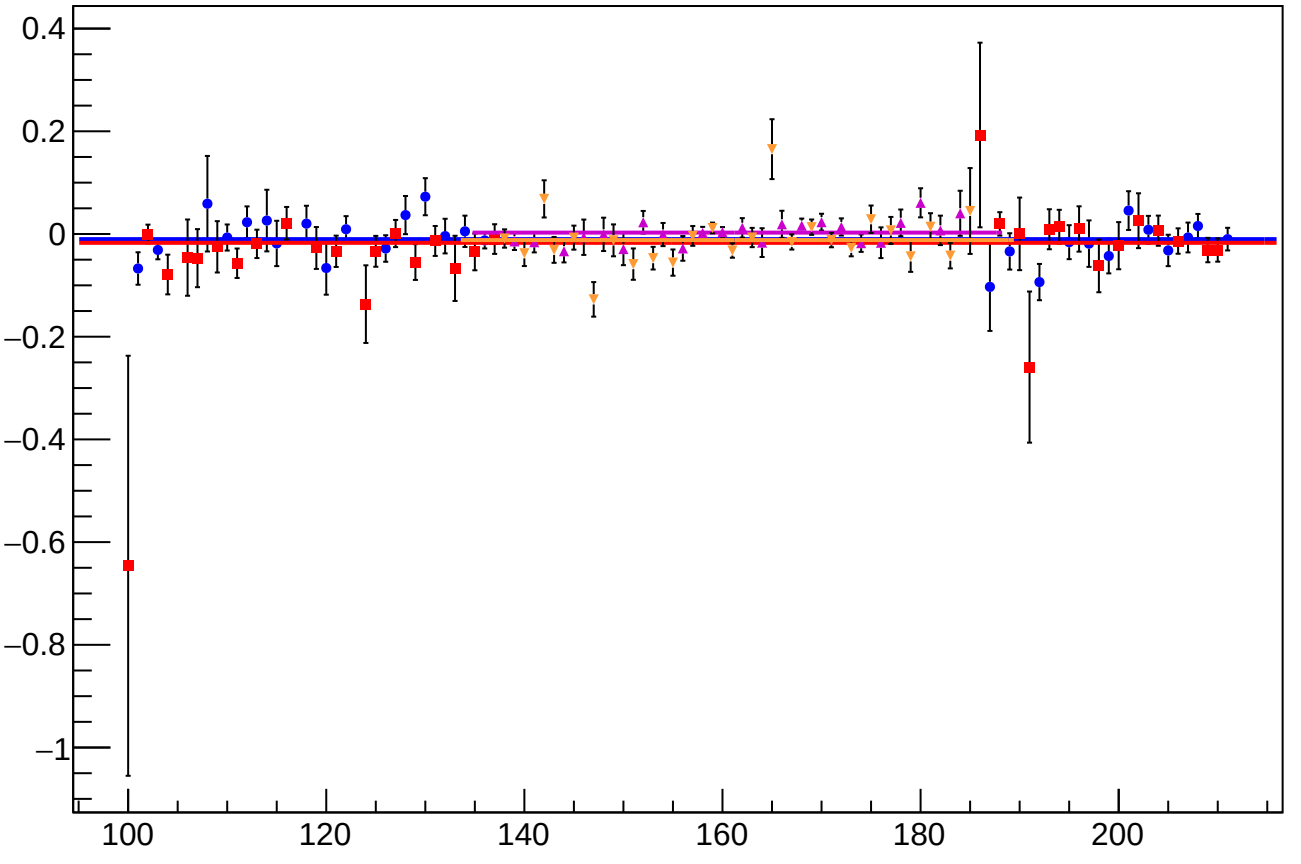
Right Out: 0.000+/-0.000 χ^2/NDF: 6335522.0/32

Left In: 0.000+/-0.000 χ^2/NDF:981529.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 9696045.6/52

All: 0.000+/-0.000 χ^2/NDF: 20150576.3/108

- sign 0.000+/-0.000 χ^2/NDF: 10378978.4/55



Right In: -0.010+/-0.006 χ^2/NDF: 29.4/27

Left Out: -0.012+/-0.004 χ^2/NDF:53.4/24

Right Out: -0.017+/-0.006 χ^2/NDF: 26.6/32

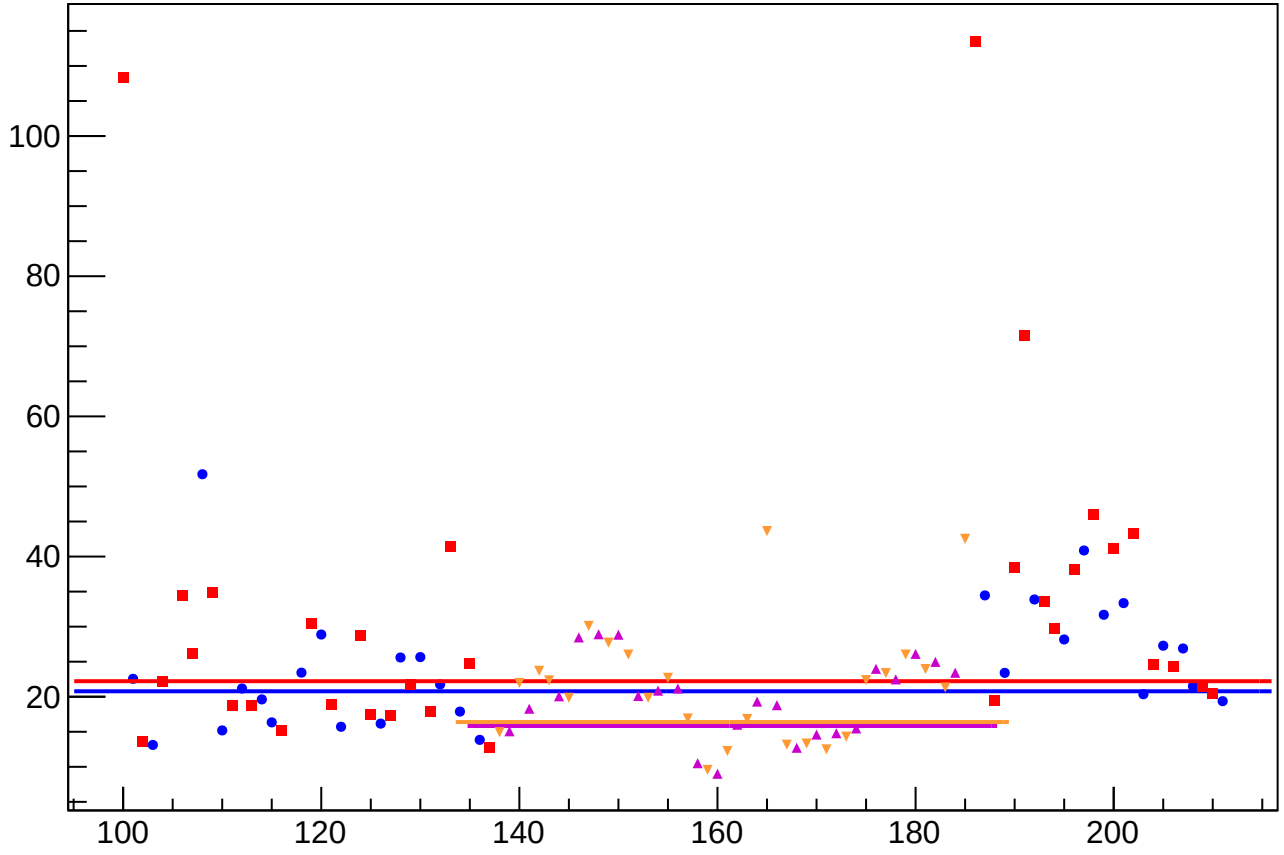
Left In: 0.003+/-0.004 χ^2/NDF:19.8/22

+ sign -0.011+/-0.003 χ^2/NDF: 82.9/52

All: -0.007+/-0.002 χ^2/NDF: 139.6/108

- sign -0.004+/-0.003 χ^2/NDF: 54.1/55

asym_sam_15_37_dd_dit_vs_cor_diff_rms vs Slug



Right In: 20.778+/-0.004 χ^2/NDF: 2836528.4/27

Left Out: 16.387+/-0.003 χ^2/NDF:4030028.3/24

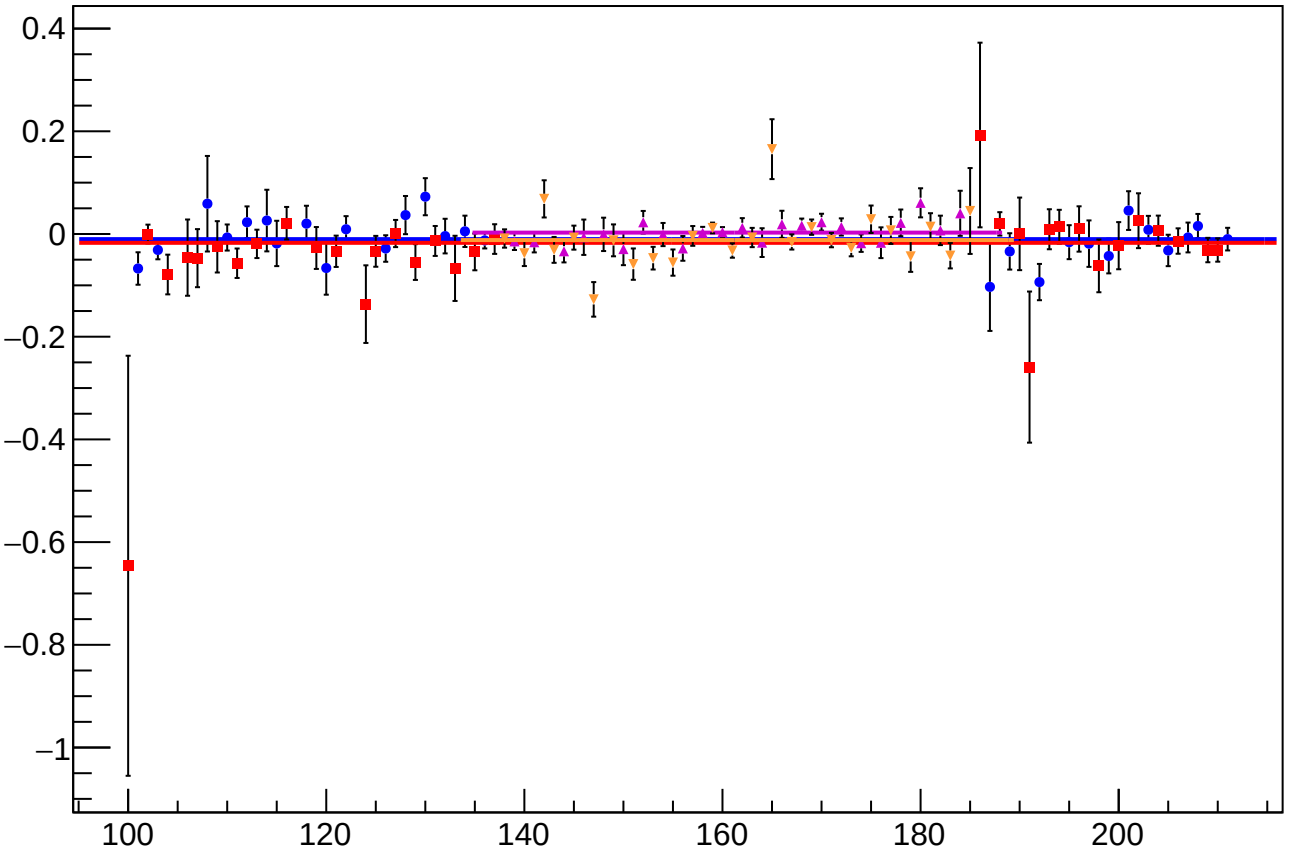
Right Out: 22.217+/-0.004 χ^2/NDF: 4111804.3/32

Left In: 15.824+/-0.003 χ^2/NDF:3654469.7/22

+ sign 17.891+/-0.002 χ^2/NDF: 7664832.8/52

All: 17.877+/-0.002 χ^2/NDF: 17028202.5/108

- sign 17.862+/-0.002 χ^2/NDF: 9363296.2/55



Right In: -0.010+/-0.006 χ^2/NDF: 29.4/27

Left Out: -0.012+/-0.004 χ^2/NDF:53.4/24

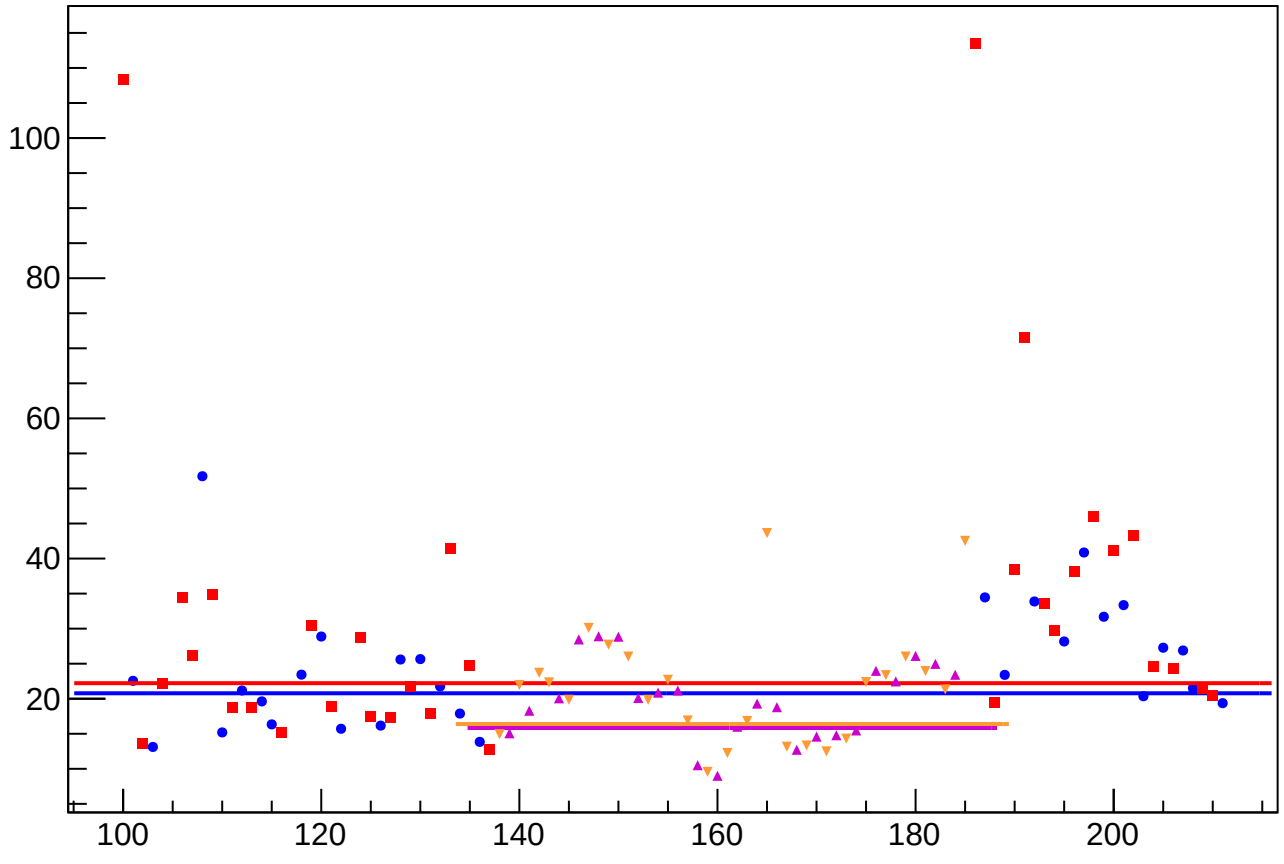
Right Out: -0.017+/-0.006 χ^2/NDF: 26.6/32

Left In: 0.003+/-0.004 χ^2/NDF:19.8/22

+ sign -0.011+/-0.003 χ^2/NDF: 82.9/52

All: -0.007+/-0.002 χ^2/NDF: 139.6/108

- sign -0.004+/-0.003 χ^2/NDF: 54.1/55



Right In: 20.778+/-0.004 χ^2/NDF: 2836528.4/27

Left Out: 16.387+/-0.003 χ^2/NDF:4030028.3/24

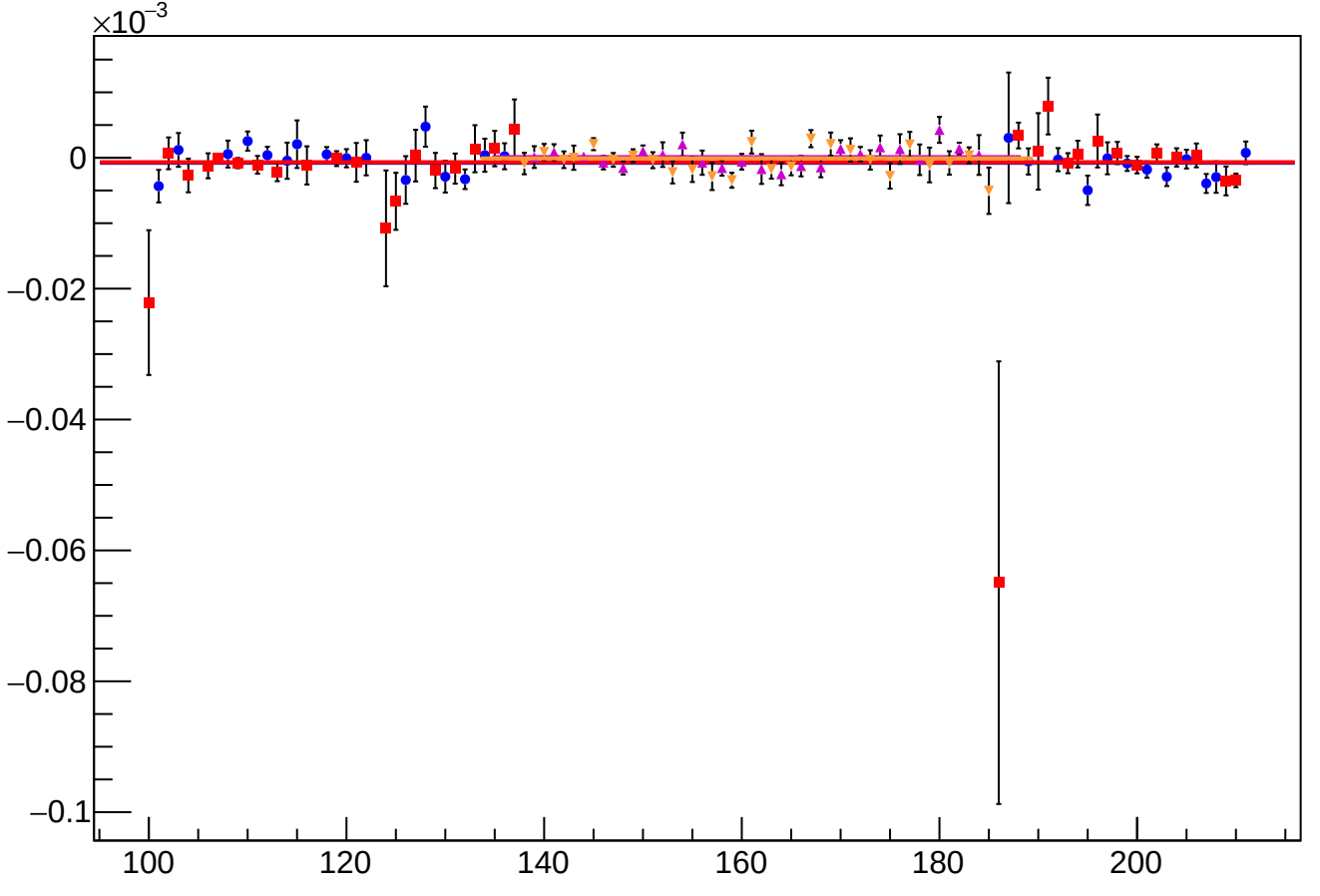
Right Out: 22.217+/-0.004 χ^2/NDF: 4111804.3/32

Left In: 15.824+/-0.003 χ^2/NDF:3654469.7/22

\+ sign 17.891+/-0.002 χ^2/NDF: 7664832.8/52

All: 17.877+/-0.002 χ^2/NDF: 17028202.5/108

\- sign 17.862+/-0.002 χ^2/NDF: 9363296.2/55



Right In: -0.000+/-0.000 χ^2/NDF: 32.3/27

Left Out: -0.000+/-0.000 χ^2/NDF:36.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 37.1/32

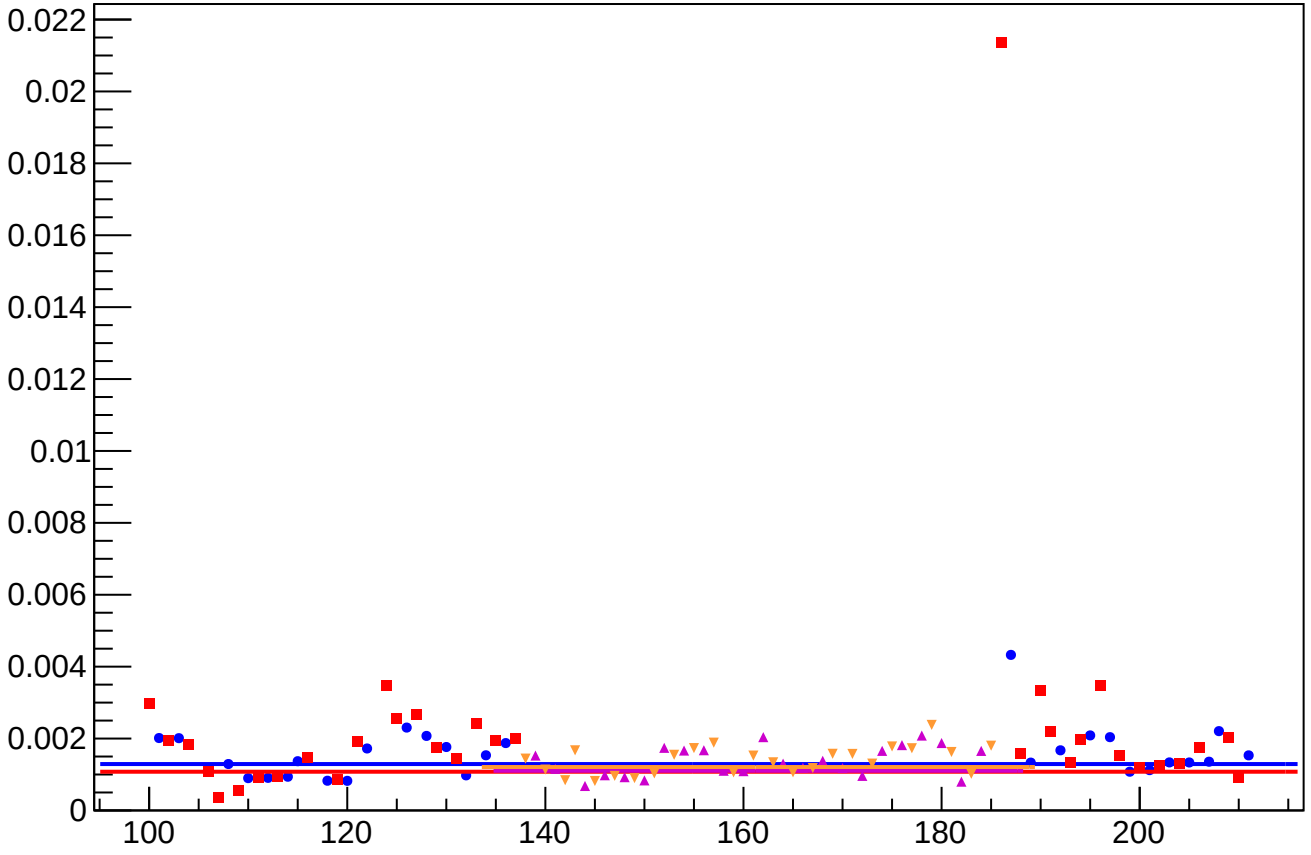
Left In: 0.000+/-0.000 χ^2/NDF:21.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 70.7/52

All: -0.000+/-0.000 χ^2/NDF: 133.7/108

- sign -0.000+/-0.000 χ^2/NDF: 62.8/55

asym_sam_15_37_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 3098941.8/27

Left Out: 0.001+/-0.000 χ^2/NDF:2720984.6/24

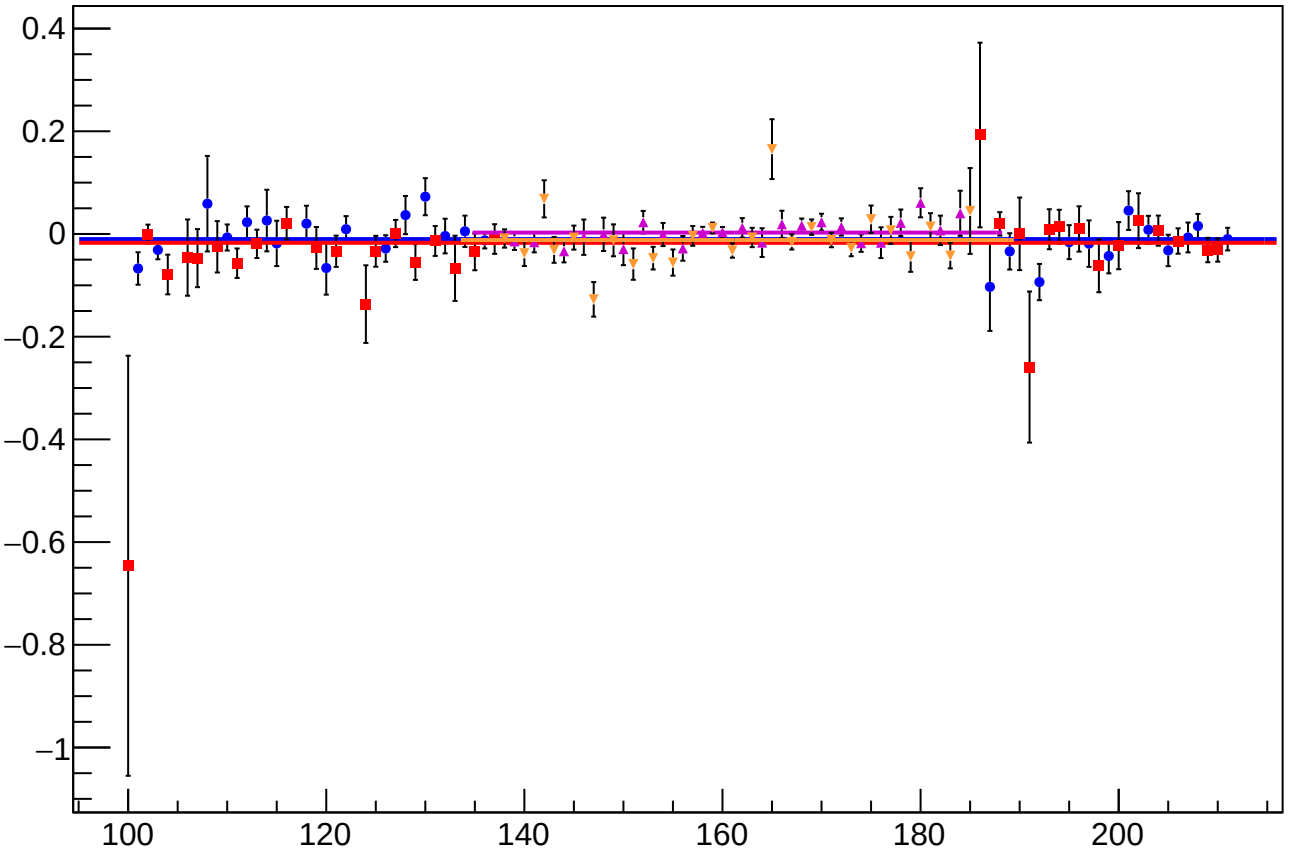
Right Out: 0.001+/-0.000 χ^2/NDF: 8370120.8/32

Left In: 0.001+/-0.000 χ^2/NDF:3494983.4/22

+ sign 0.001+/-0.000 χ^2/NDF: 5889674.6/52

All: 0.001+/-0.000 χ^2/NDF: 18280476.4/108

- sign 0.001+/-0.000 χ^2/NDF: 11873920.1/55



Right In: -0.010+/-0.006 χ^2/NDF: 29.4/27

Left Out: -0.012+/-0.004 χ^2/NDF:53.4/24

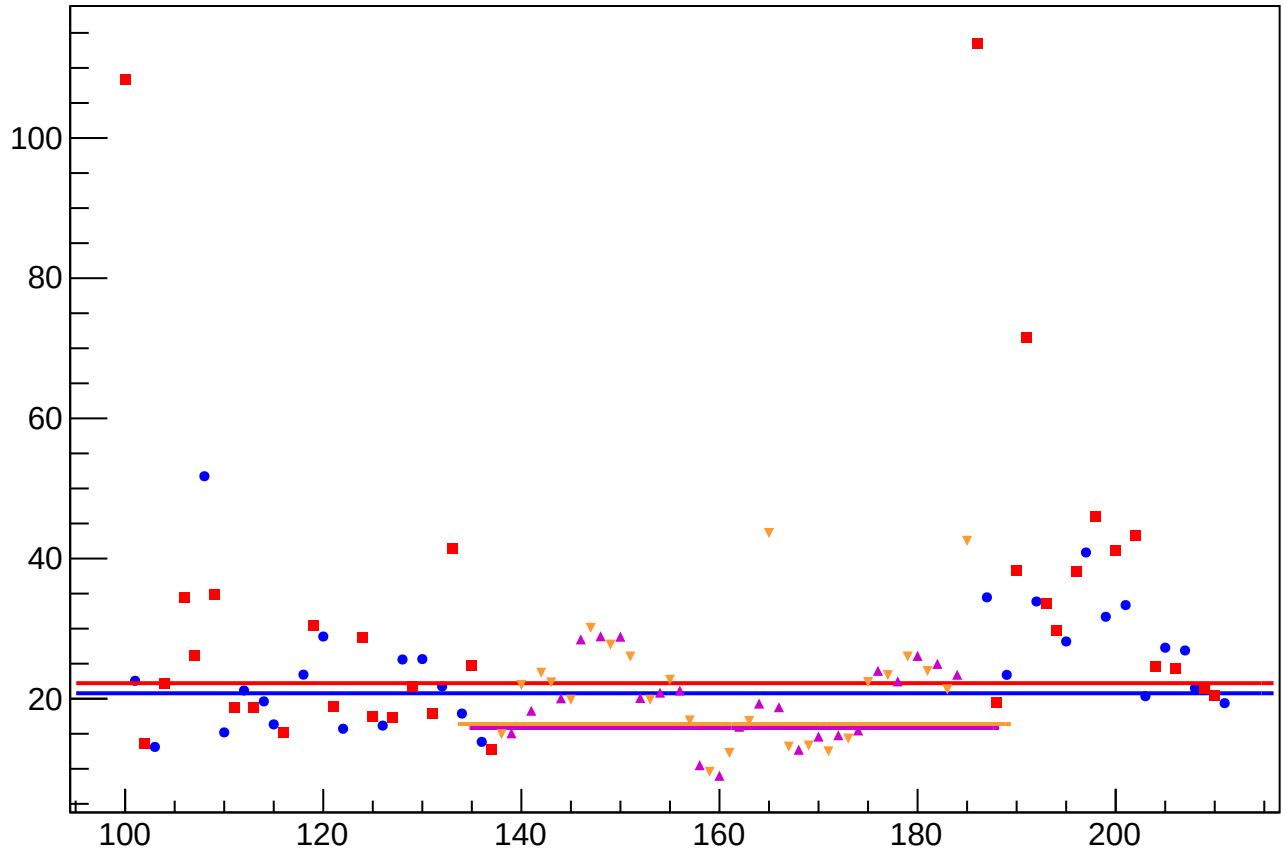
Right Out: -0.017+/-0.006 χ^2/NDF: 26.6/32

Left In: 0.003+/-0.004 χ^2/NDF:19.8/22

+ sign -0.011+/-0.003 χ^2/NDF: 82.9/52

All: -0.007+/-0.002 χ^2/NDF: 139.6/108

- sign -0.004+/-0.003 χ^2/NDF: 54.1/55



Right In: 20.778+/-0.004 χ^2/NDF: 2836552.8/27

Left Out: 16.387+/-0.003 χ^2/NDF:4030277.2/24

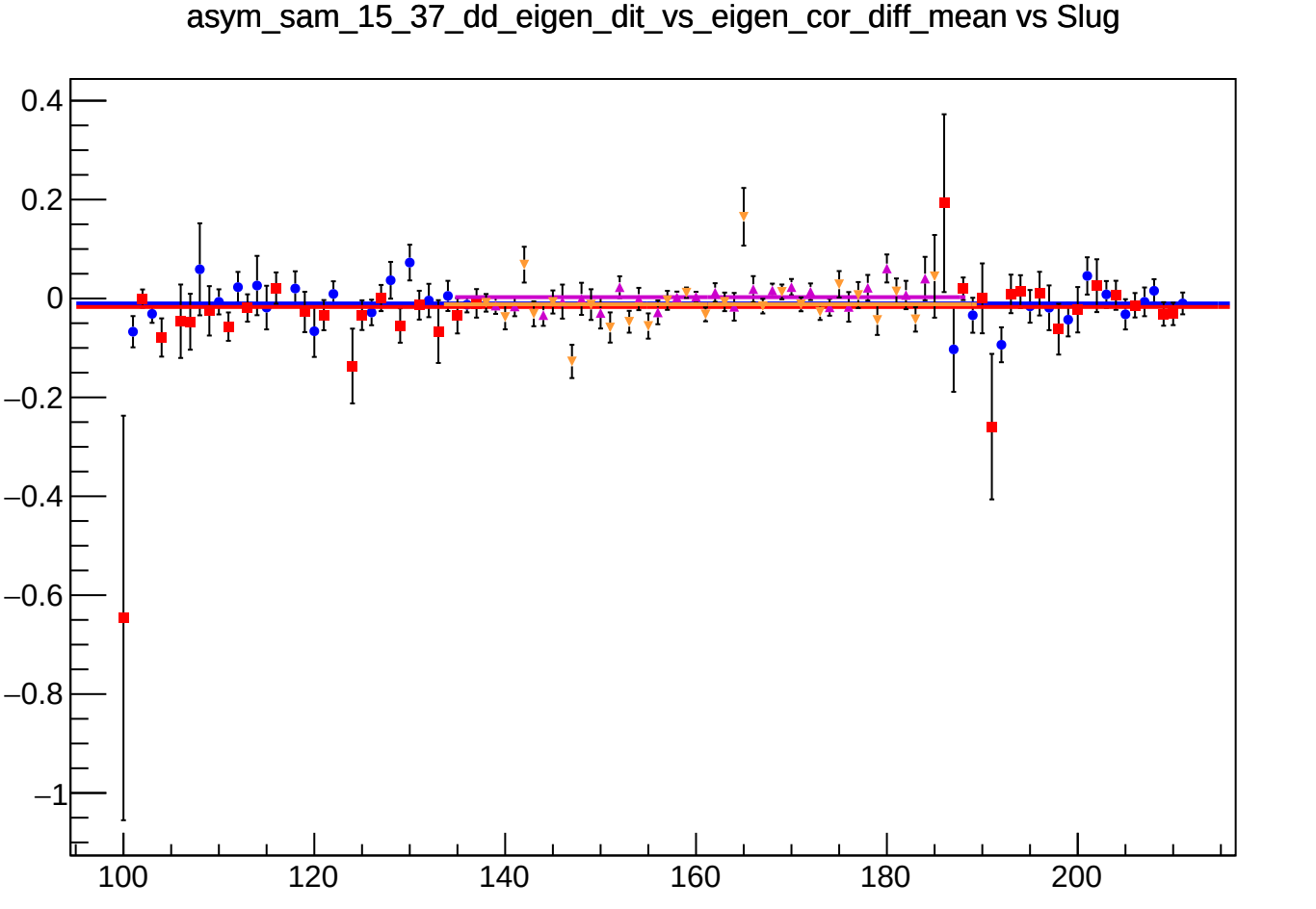
Right Out: 22.217+/-0.004 χ^2/NDF: 4111549.3/32

Left In: 15.823+/-0.003 χ^2/NDF:3654834.3/22

+ sign 17.891+/-0.002 χ^2/NDF: 7665179.2/52

All: 17.876+/-0.002 χ^2/NDF: 17028966.6/108

- sign 17.862+/-0.002 χ^2/NDF: 9363714.1/55



Right In: -0.010+/-0.006 χ^2/NDF: 29.4/27

Left Out: -0.012+/-0.004 χ^2/NDF:53.4/24

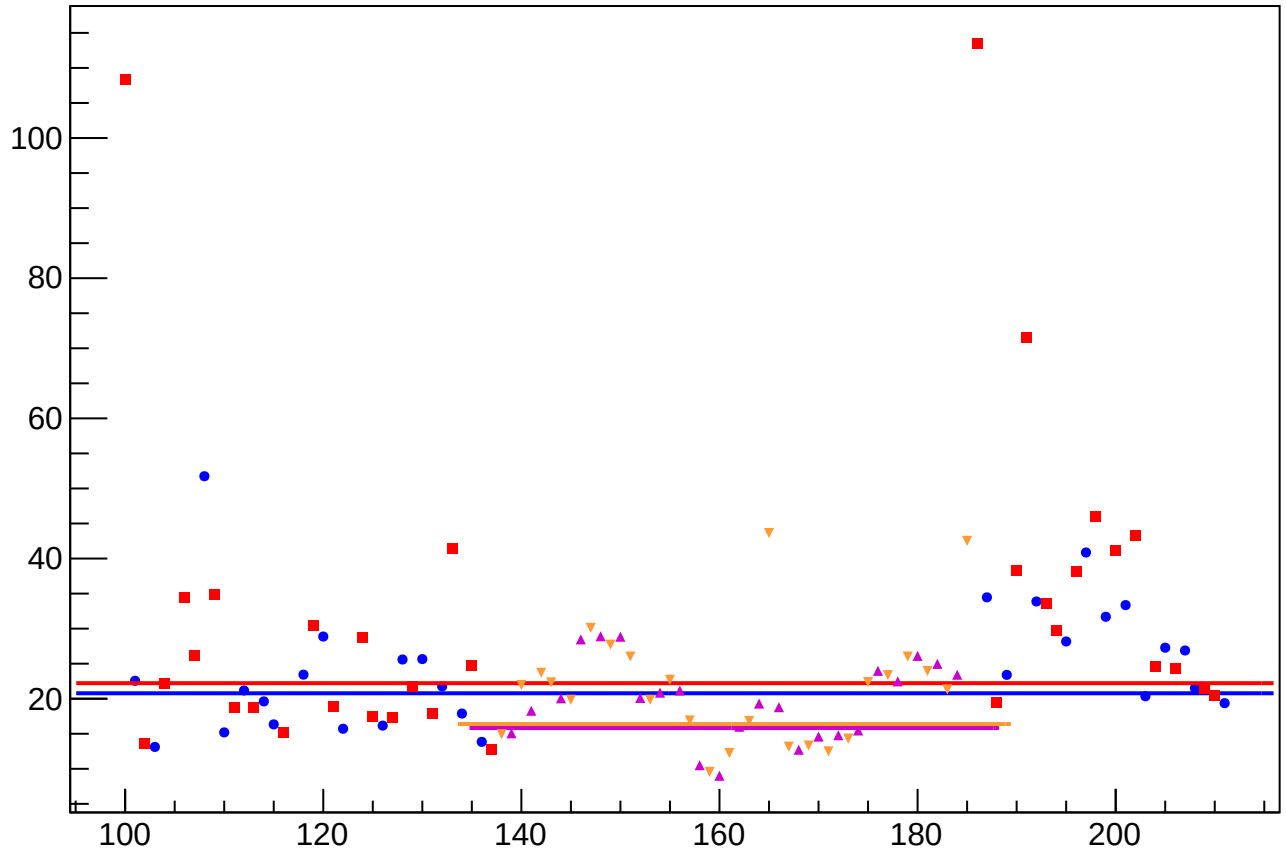
Right Out: -0.017+/-0.006 χ^2/NDF: 26.6/32

Left In: 0.003+/-0.004 χ^2/NDF:19.8/22

+ sign -0.011+/-0.003 χ^2/NDF: 82.9/52

All: -0.007+/-0.002 χ^2/NDF: 139.6/108

- sign -0.004+/-0.003 χ^2/NDF: 54.1/55



Right In: 20.778+/-0.004 χ^2/NDF: 2836552.8/27

Left Out: 16.387+/-0.003 χ^2/NDF:4030277.2/24

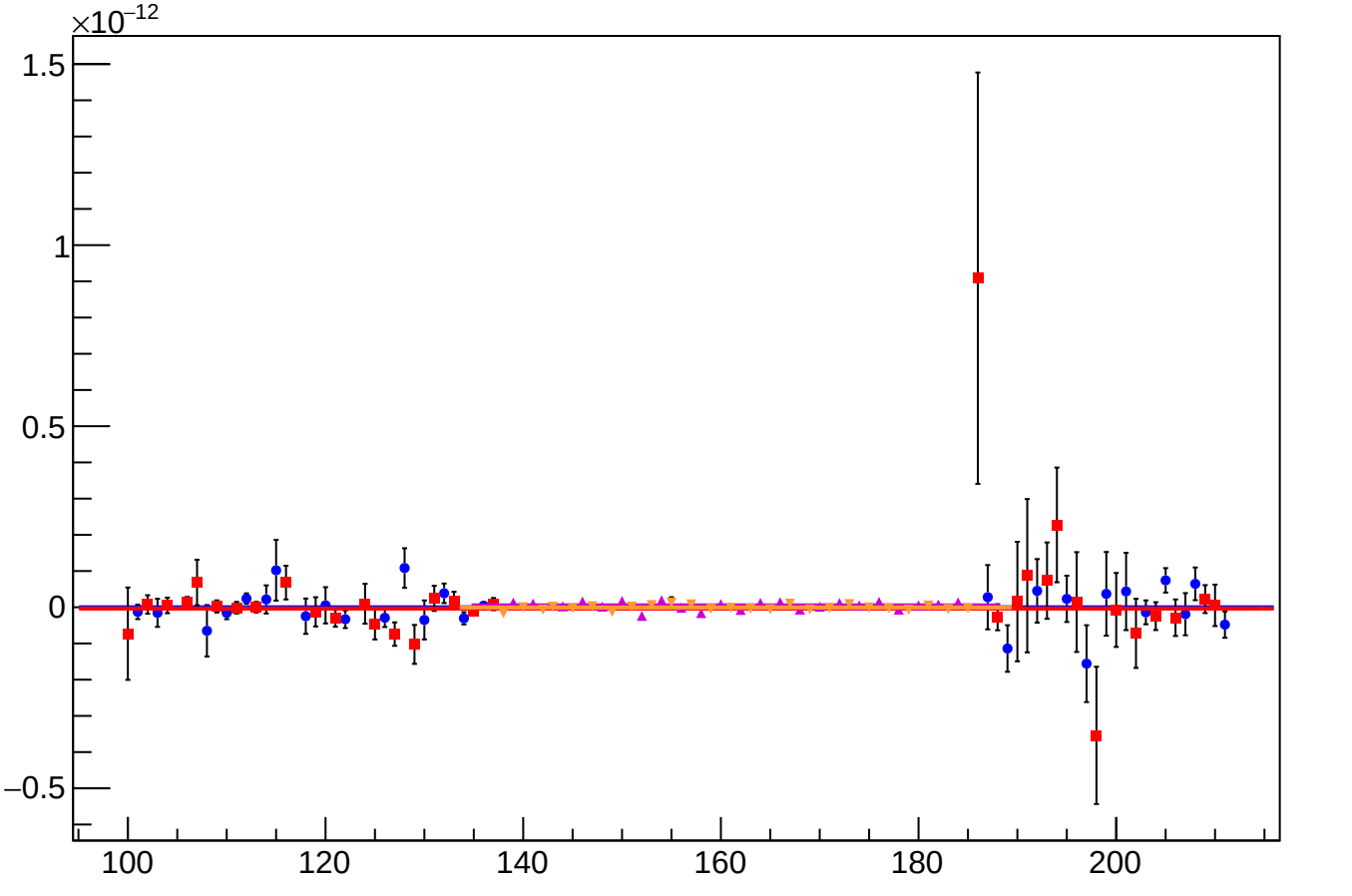
Right Out: 22.217+/-0.004 χ^2/NDF: 4111549.3/32

Left In: 15.823+/-0.003 χ^2/NDF:3654834.3/22

\+ sign 17.891+/-0.002 χ^2/NDF: 7665179.2/52

All: 17.876+/-0.002 χ^2/NDF: 17028966.6/108

\- sign 17.862+/-0.002 χ^2/NDF: 9363714.1/55



Right In: -0.000+/-0.000 χ^2/NDF: 35.3/27

Left Out: -0.000+/-0.000 χ^2/NDF:19.1/24

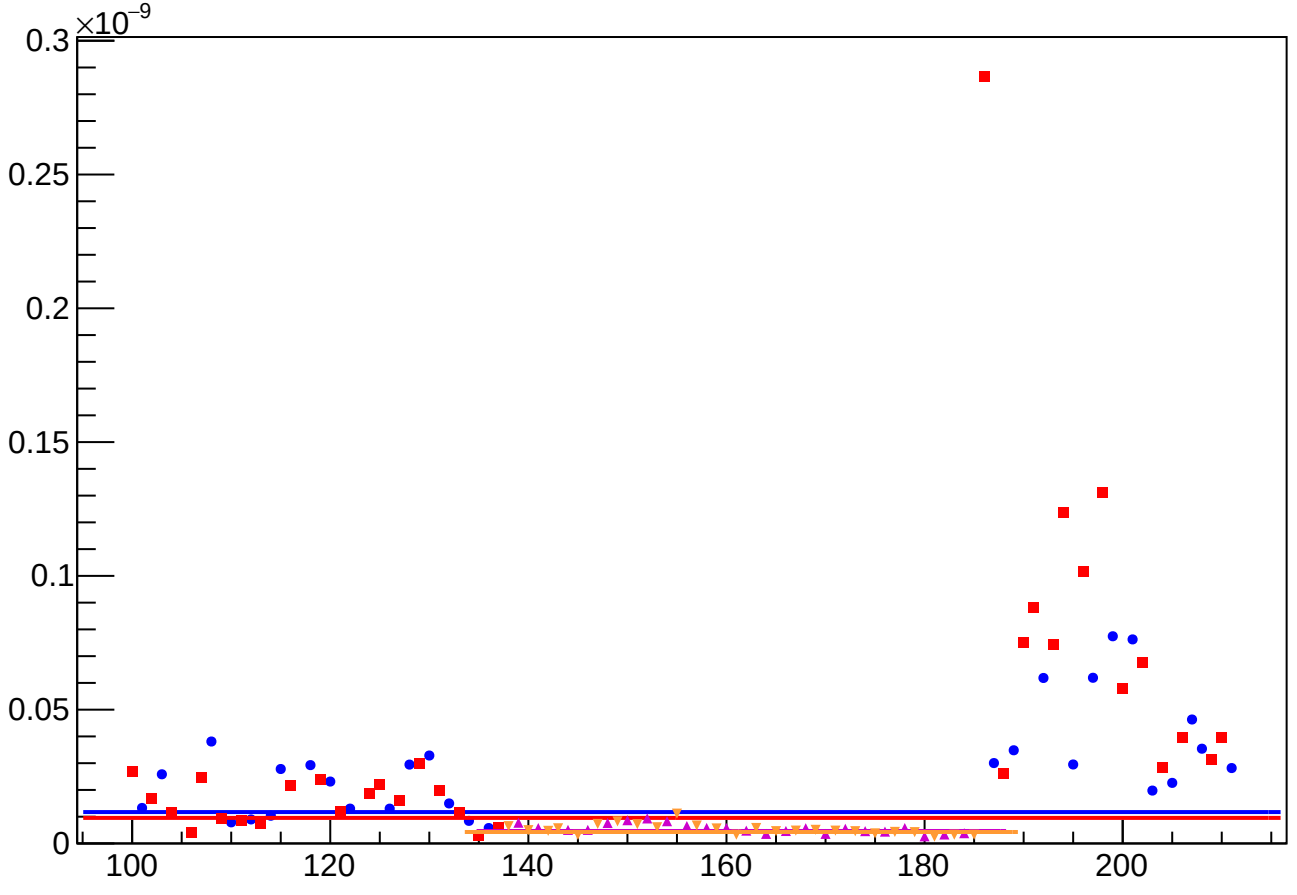
Right Out: -0.000+/-0.000 χ^2/NDF: 30.1/32

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

+ sign -0.000+/-0.000 χ^2/NDF: 54.4/52

All: 0.000+/-0.000 χ^2/NDF: 134.2/108

- sign 0.000+/-0.000 χ^2/NDF: 71.8/55



Right In: 0.000+/-0.000 χ^2/NDF: 7972003.9/27

Left Out: 0.000+/-0.000 χ^2/NDF:2583638.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 12031462.9/32

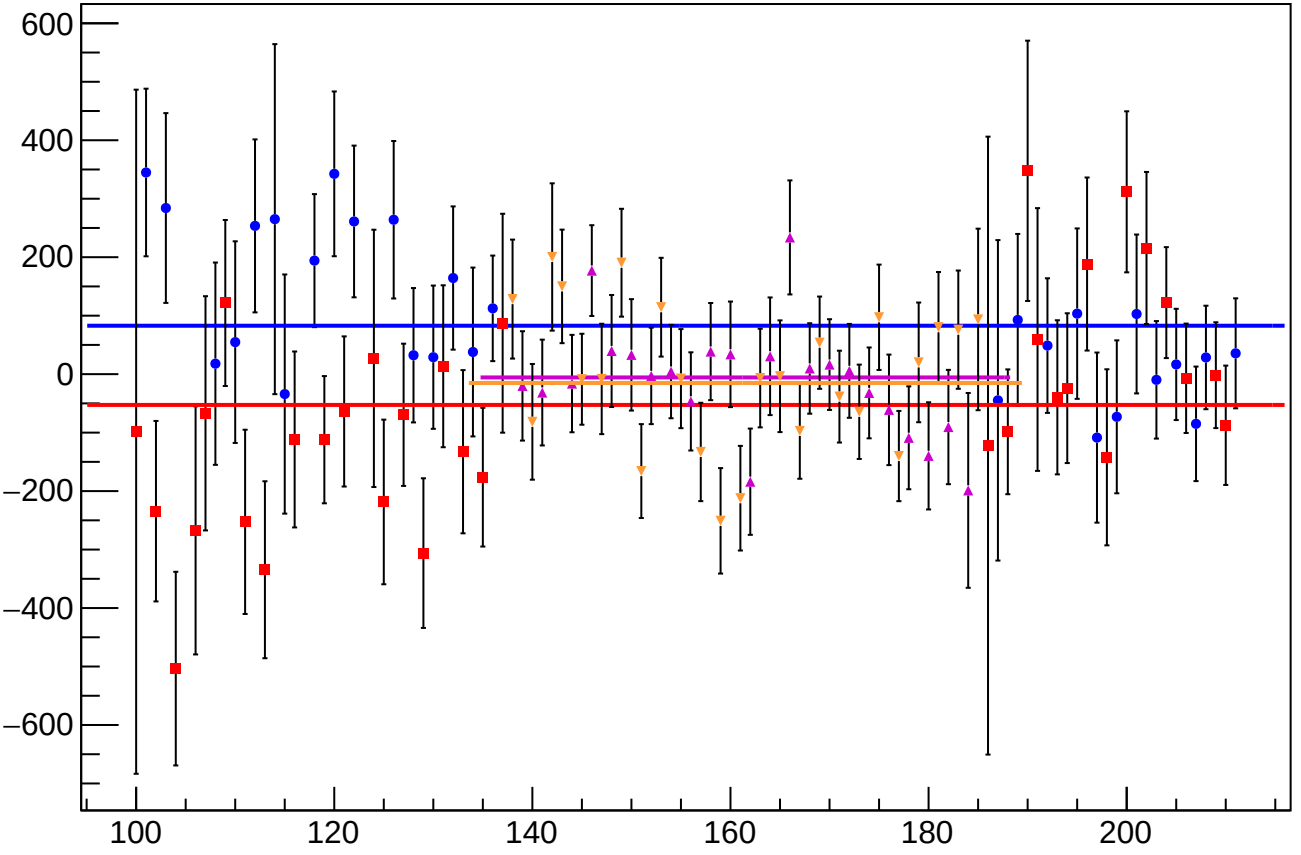
Left In: 0.000+/-0.000 χ^2/NDF:2508440.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 15039782.8/52

All: 0.000+/-0.000 χ^2/NDF: 31957825.1/108

- sign 0.000+/-0.000 χ^2/NDF: 16847298.7/55

reg_asym_sam_24_68_dd_mean vs Slug



Right In: 82.808+/-23.883 χ^2/NDF: 24.6/27

Left Out: -15.100+/-17.957 χ^2/NDF:41.6/24

Right Out: -52.636+/-23.909 χ^2/NDF: 46.6/32

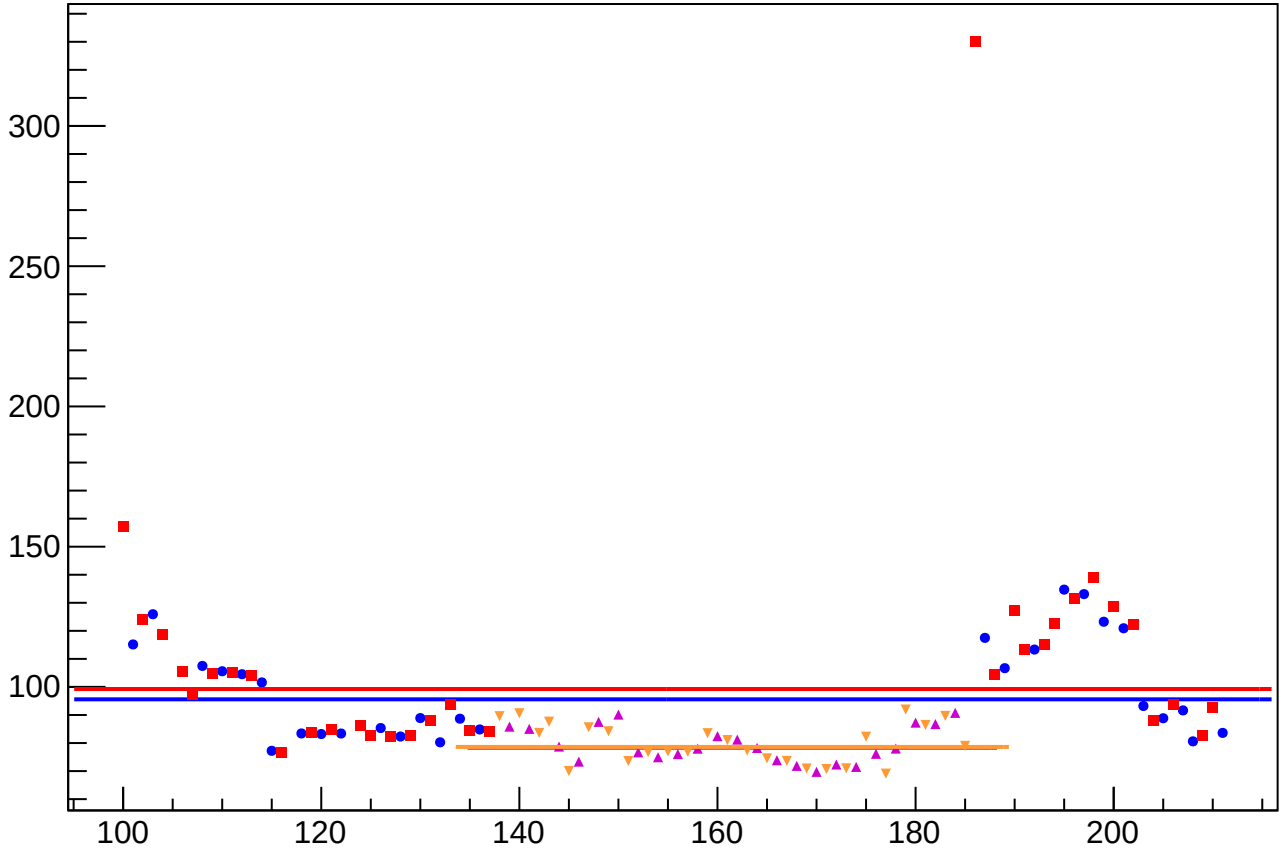
Left In: -5.629+/-18.382 χ^2/NDF:23.0/22

+ sign 20.258+/-14.353 χ^2/NDF: 77.0/52

All: -1.087+/-10.226 χ^2/NDF: 153.5/108

- sign -23.092+/-14.573 χ^2/NDF: 72.1/55

reg_asym_sam_24_68_dd_rms vs Slug



Right In: 95.582+/-0.017 χ^2/NDF: 923898.3/27

Left Out: 78.618+/-0.013 χ^2/NDF:307235.6/24

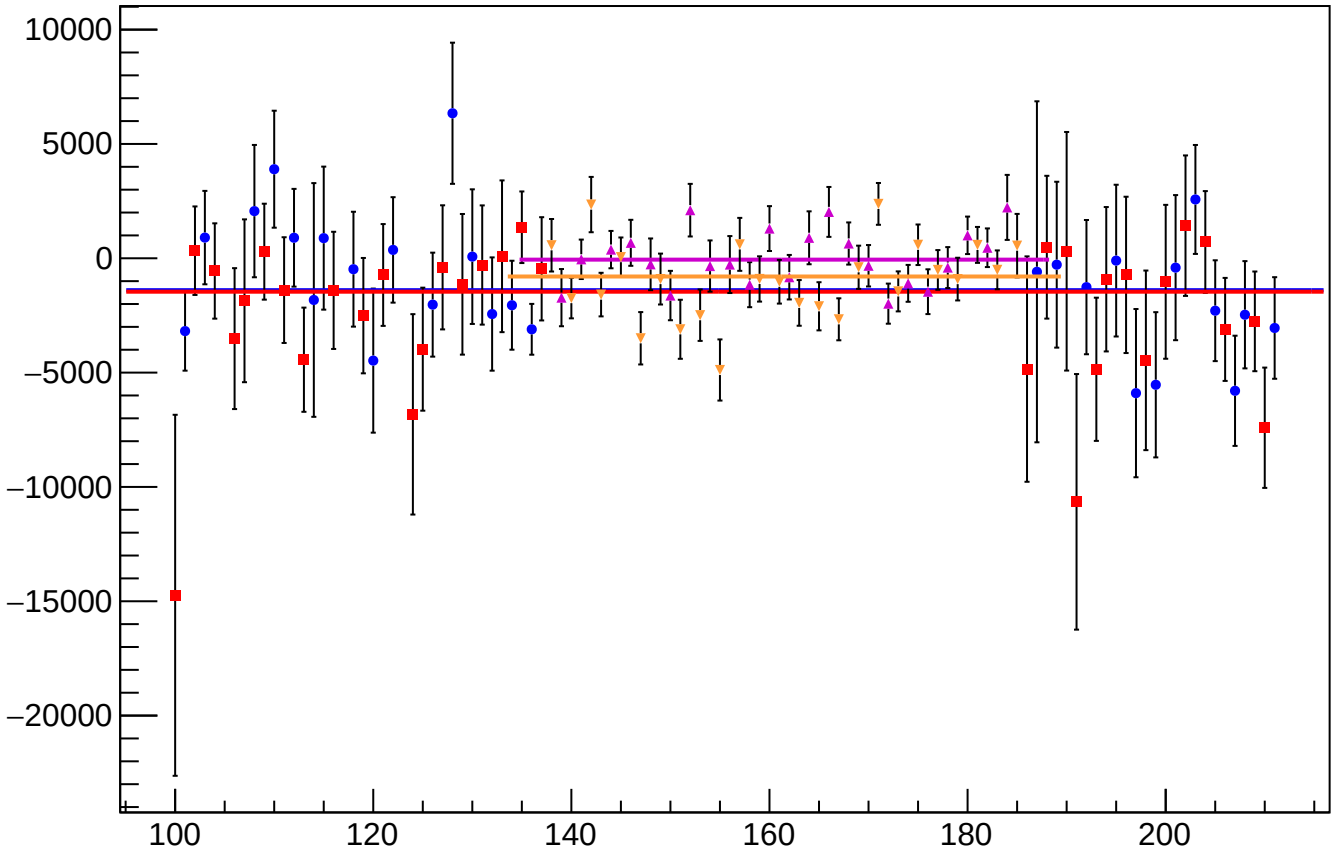
Right Out: 99.260+/-0.017 χ^2/NDF: 1406768.6/32

Left In: 78.334+/-0.013 χ^2/NDF:209146.2/22

+ sign 84.744+/-0.010 χ^2/NDF: 1875698.6/52

All: 85.416+/-0.007 χ^2/NDF: 4463422.1/108

- sign 86.108+/-0.010 χ^2/NDF: 2578830.2/55



Right In: -1394.563+/-455.721 χ^2/NDF: 31.3/27

Left Out: -797.000+/-197.884 χ^2/NDF:59.5/24

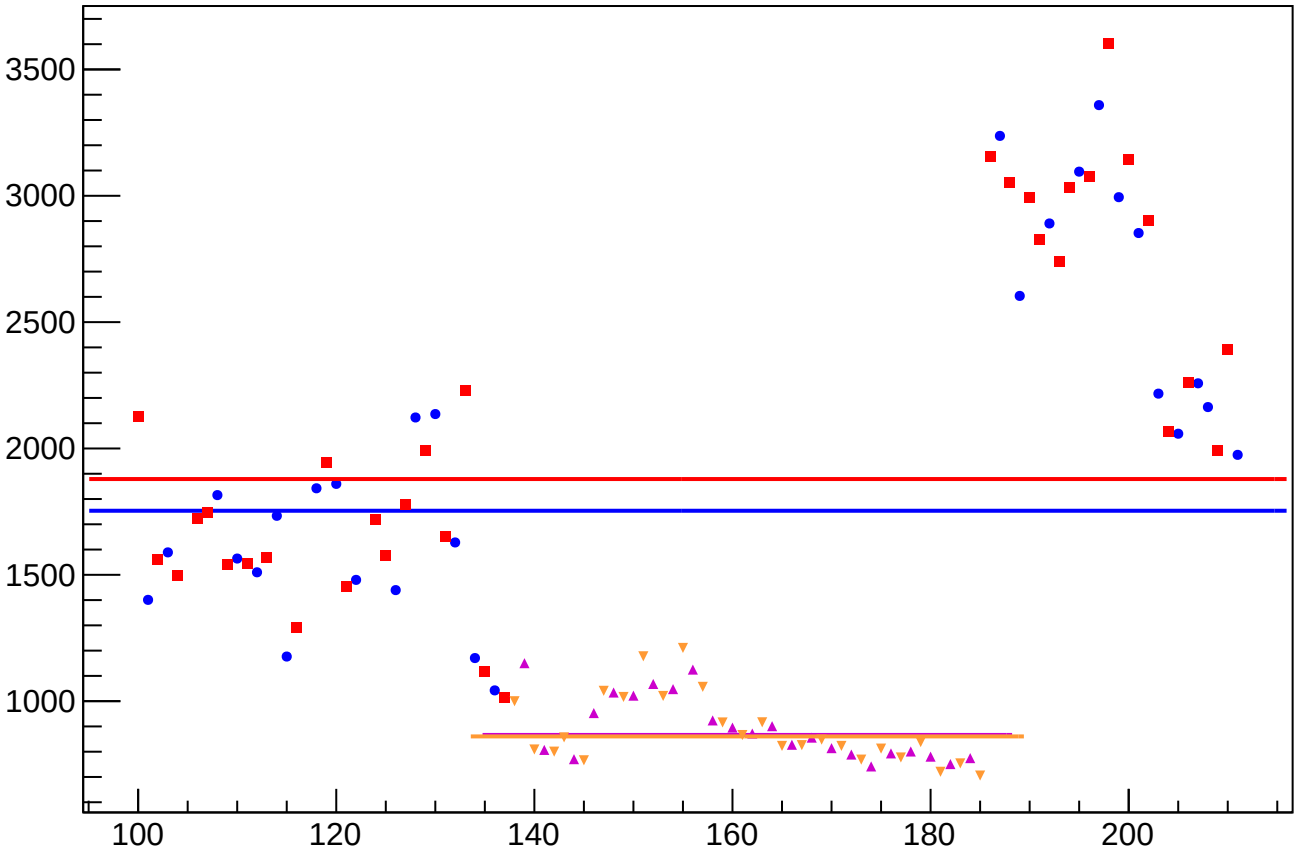
Right Out: -1461.547+/-466.116 χ^2/NDF: 26.8/32

Left In: -59.494+/-204.437 χ^2/NDF:30.5/22

\+ sign -891.796+/-181.511 χ^2/NDF: 92.2/52

All: -598.127+/-130.319 χ^2/NDF: 162.4/108

\- sign -285.690+/-187.221 χ^2/NDF: 64.8/55



Right In: 1753.559+/-0.322 χ^2/NDF: 3363682.4/27

Left Out: 860.492+/-0.140 χ^2/NDF:699252.0/24

Right Out: 1879.055+/-0.330 χ^2/NDF: 3552984.2/32

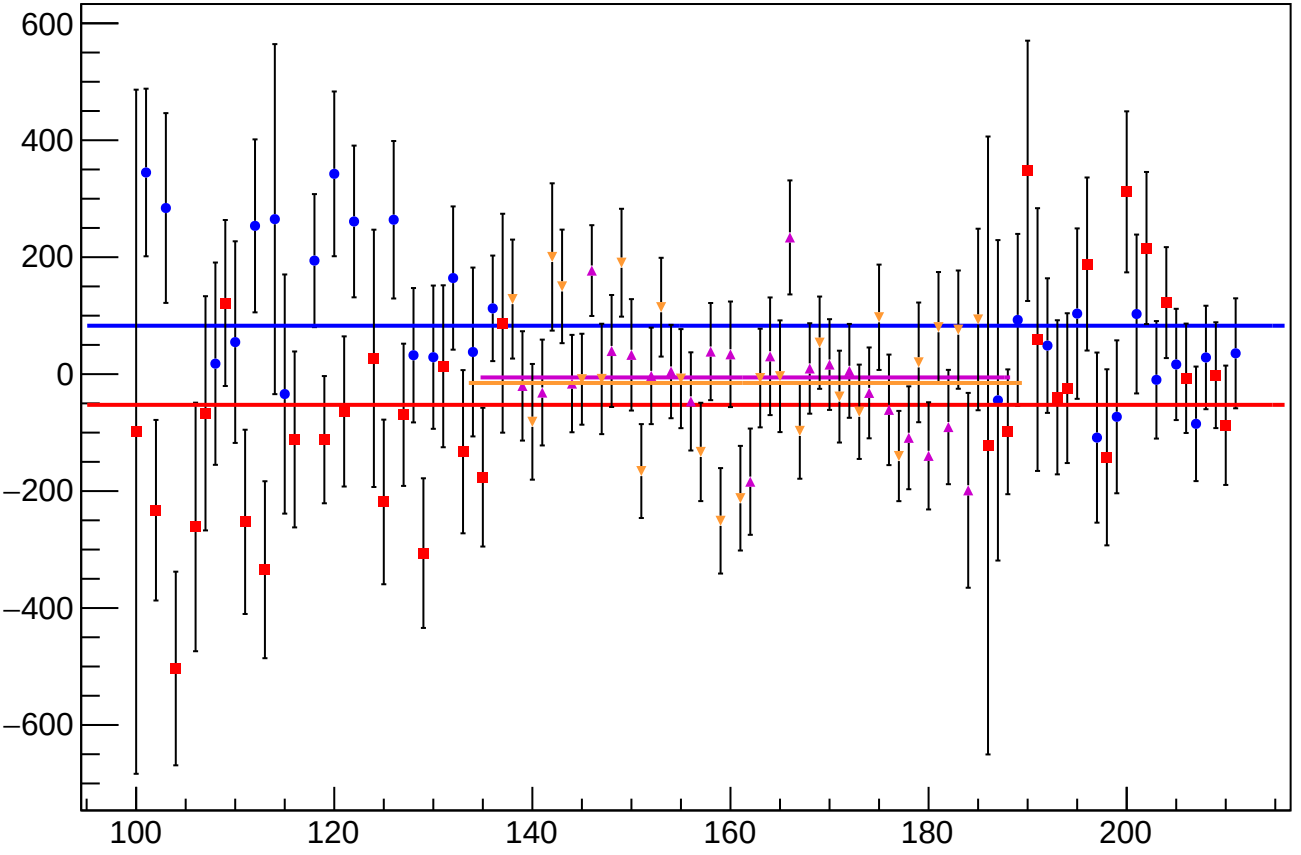
Left In: 866.351+/-0.145 χ^2/NDF:613257.7/22

+ sign 1002.166+/-0.128 χ^2/NDF: 10525162.1/52

All: 1015.522+/-0.092 χ^2/NDF: 22631397.0/1

- sign 1029.733+/-0.132 χ^2/NDF: 12083883.5/55

cor_asym_sam_24_68_dd_mean vs Slug



Right In: 82.801+/-23.883 χ^2/NDF: 24.6/27

Left Out: -15.098+/-17.957 χ^2/NDF:41.6/24

Right Out: -52.508+/-23.910 χ^2/NDF: 46.5/32

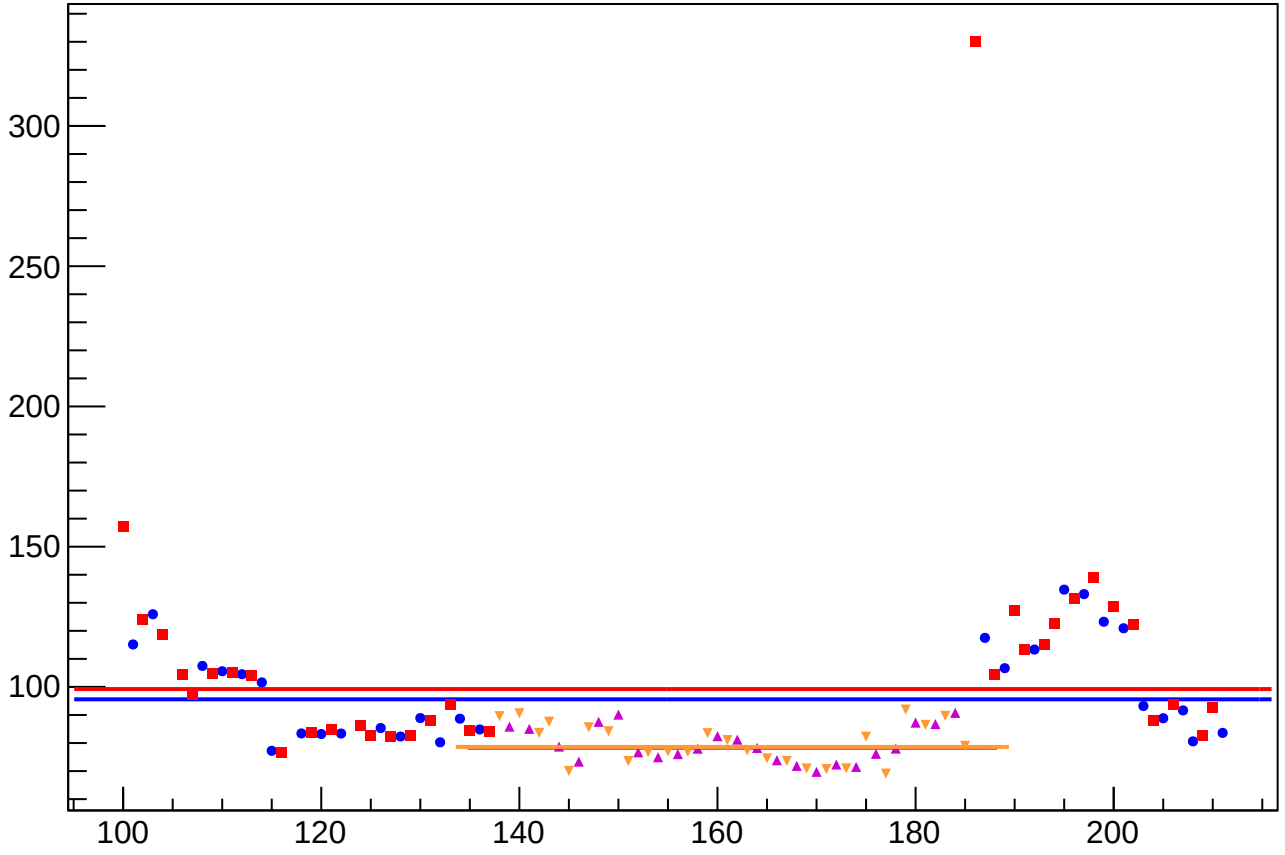
Left In: -5.626+/-18.382 χ^2/NDF:23.0/22

+ sign 20.257+/-14.353 χ^2/NDF: 76.9/52

All: -1.063+/-10.226 χ^2/NDF: 153.4/108

- sign -23.042+/-14.573 χ^2/NDF: 72.0/55

cor_asym_sam_24_68_dd_rms vs Slug



Right In: 95.582+/-0.017 χ^2/NDF: 923899.9/27

Left Out: 78.618+/-0.013 χ^2/NDF:307235.6/24

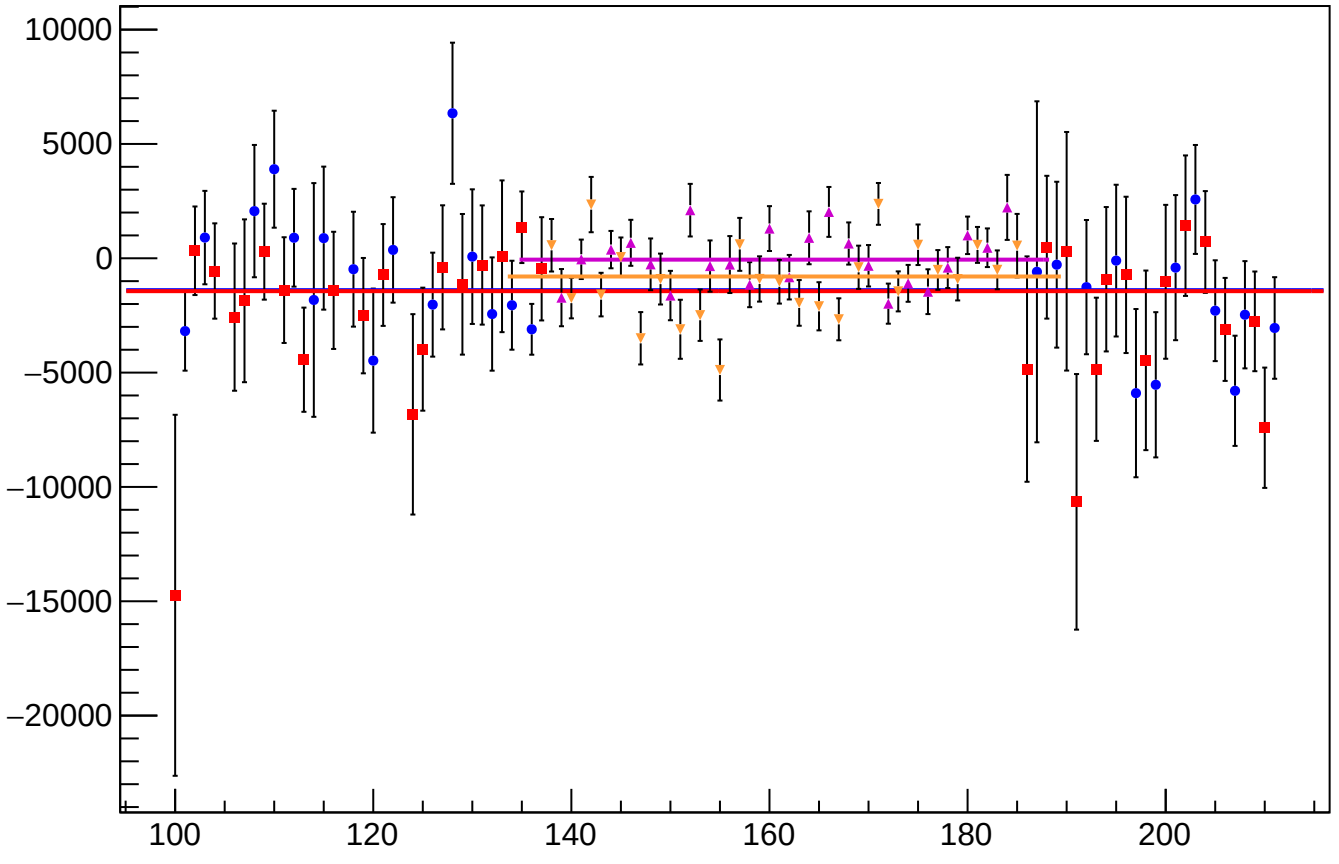
Right Out: 99.245+/-0.017 χ^2/NDF: 1406298.7/32

Left In: 78.334+/-0.013 χ^2/NDF:209146.2/22

+ sign 84.744+/-0.010 χ^2/NDF: 1875700.5/52

All: 85.413+/-0.007 χ^2/NDF: 4461391.4/108

- sign 86.102+/-0.010 χ^2/NDF: 2576877.7/55



Right In: -1394.550+/-455.722 χ^2/NDF: 31.3/27

Left Out: -797.000+/-197.884 χ^2/NDF:59.5/24

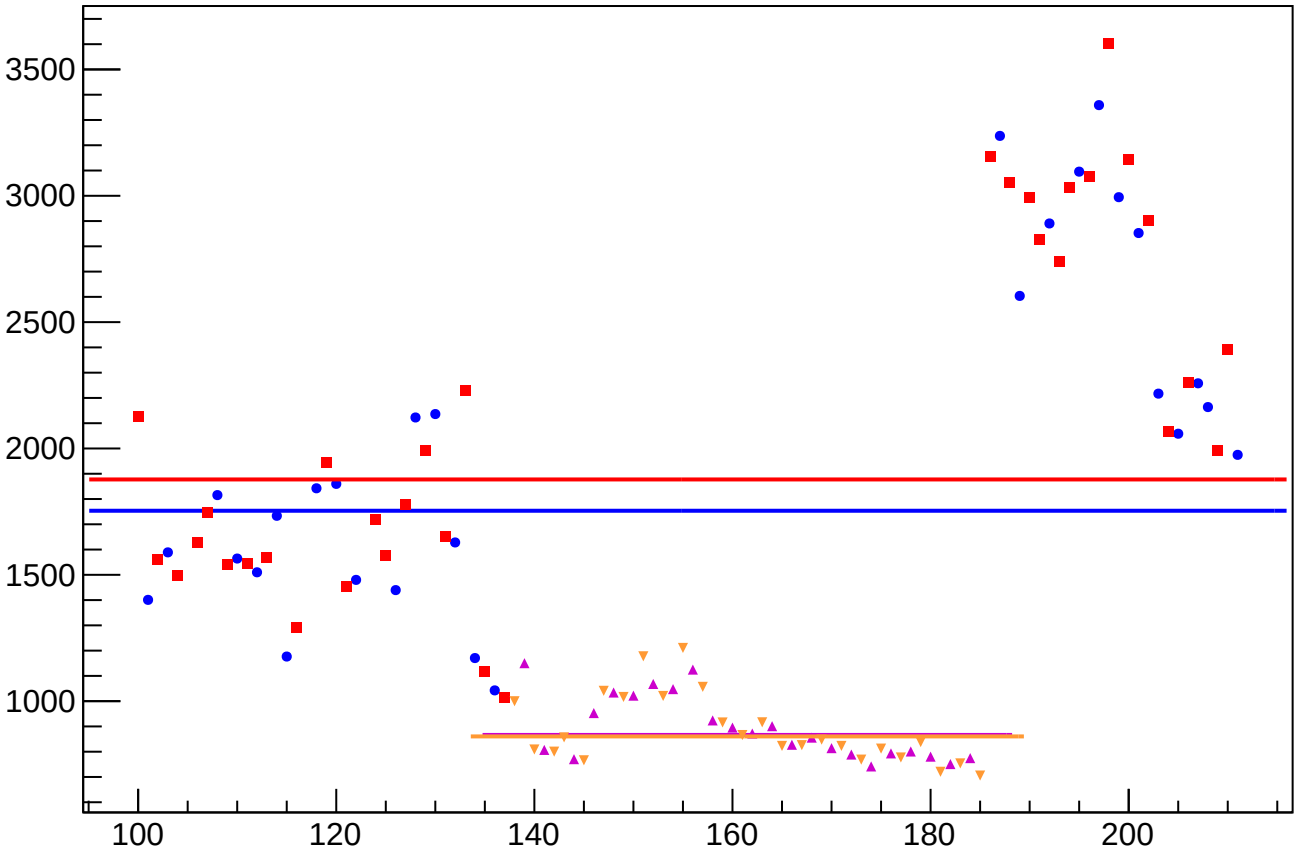
Right Out: -1438.133+/-466.577 χ^2/NDF: 26.4/32

Left In: -59.494+/-204.437 χ^2/NDF:30.5/22

+ sign -891.793+/-181.511 χ^2/NDF: 92.2/52

All: -596.165+/-130.329 χ^2/NDF: 161.9/108

- sign -281.544+/-187.251 χ^2/NDF: 64.2/55



Right In: 1753.562+/-0.322 χ^2/NDF: 3363672.6/27

Left Out: 860.492+/-0.140 χ^2/NDF:699250.7/24

Right Out: 1877.435+/-0.330 χ^2/NDF: 3559648.7/32

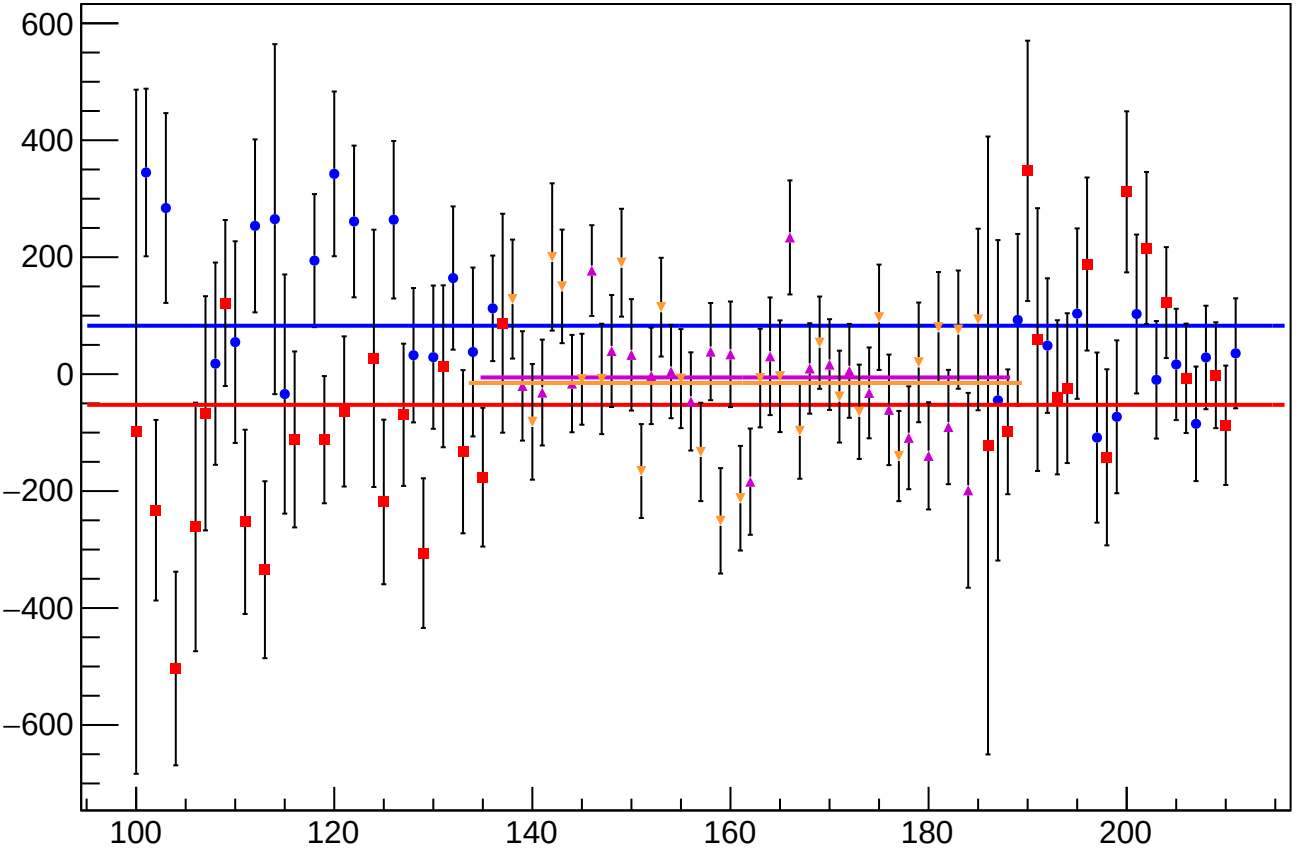
Left In: 866.352+/-0.145 χ^2/NDF:613256.3/22

+ sign 1002.166+/-0.128 χ^2/NDF: 10525182.2/52

All: 1015.263+/-0.092 χ^2/NDF: 22598849.4/1

- sign 1029.202+/-0.132 χ^2/NDF: 12052172.2/55

eigen_cor_asym_sam_24_68_dd_mean vs Slug



Right In: 82.801+/-23.883 χ^2/NDF: 24.6/27

Left Out: -15.098+/-17.957 χ^2/NDF:41.6/24

Right Out: -52.508+/-23.910 χ^2/NDF: 46.5/32

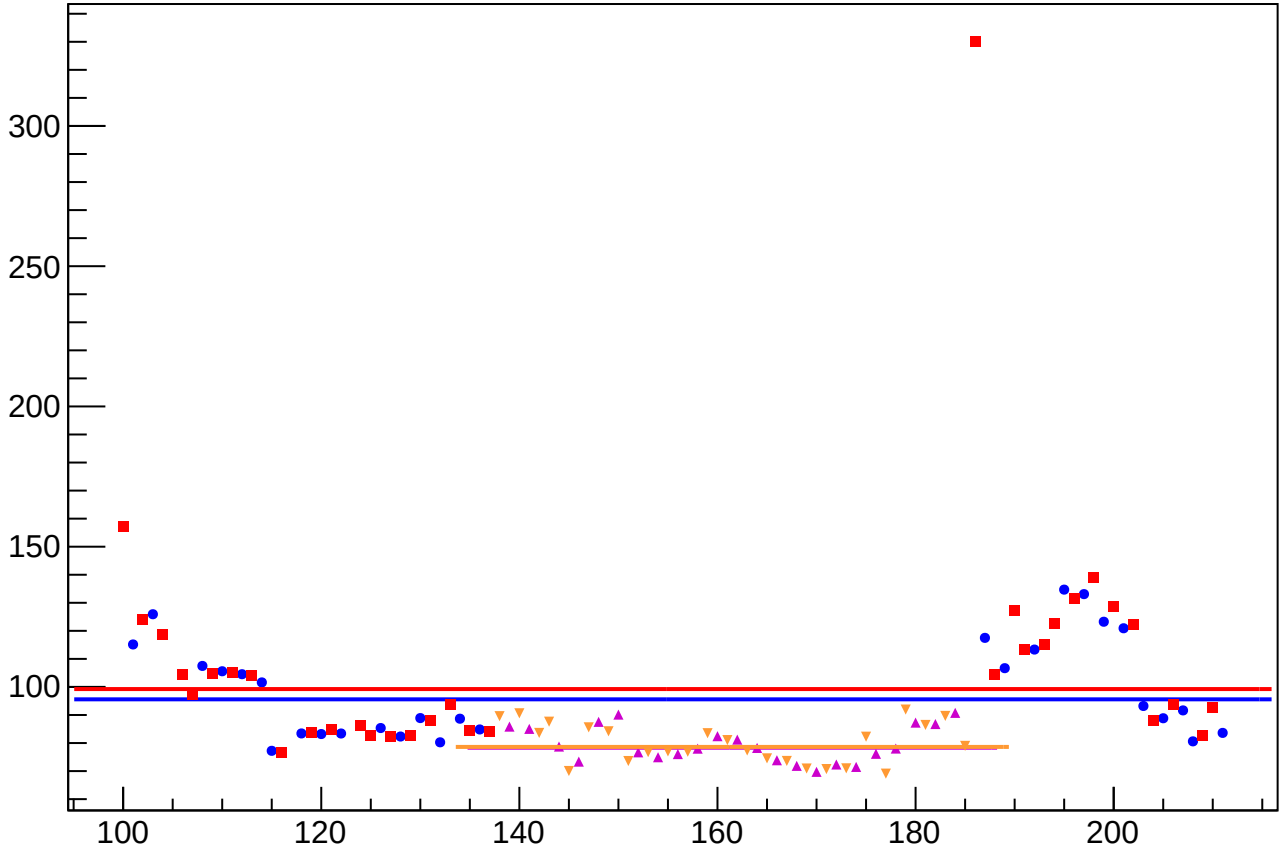
Left In: -5.626+/-18.382 χ^2/NDF:23.0/22

+ sign 20.257+/-14.353 χ^2/NDF: 76.9/52

All: -1.063+/-10.226 χ^2/NDF: 153.4/108

- sign -23.042+/-14.573 χ^2/NDF: 72.0/55

eigen_cor_asym_sam_24_68_dd_rms vs Slug



Right In: 95.582+/-0.017 χ^2/NDF: 923899.9/27

Left Out: 78.618+/-0.013 χ^2/NDF:307235.6/24

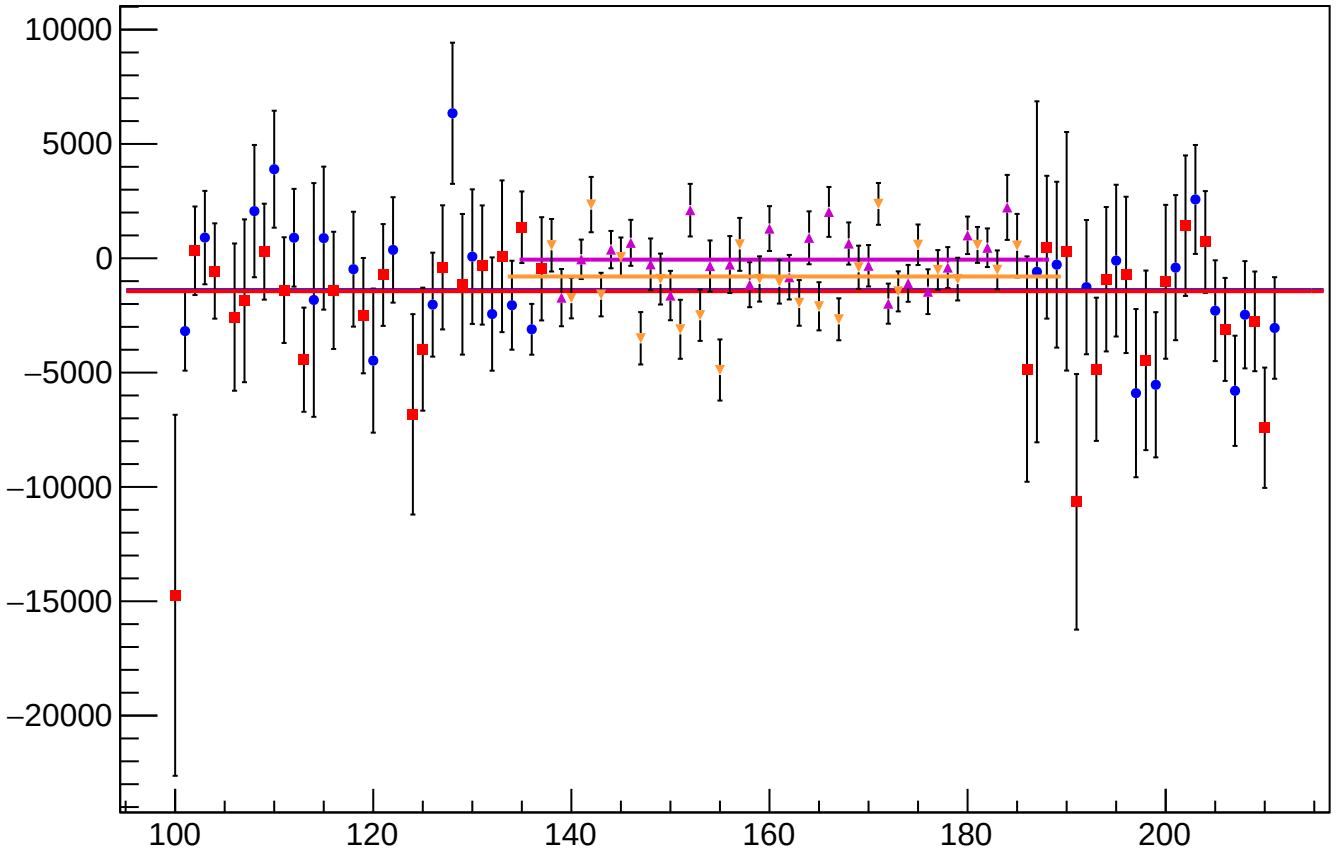
Right Out: 99.245+/-0.017 χ^2/NDF: 1406298.7/32

Left In: 78.334+/-0.013 χ^2/NDF:209146.2/22

+ sign 84.744+/-0.010 χ^2/NDF: 1875700.5/52

All: 85.413+/-0.007 χ^2/NDF: 4461391.4/108

- sign 86.102+/-0.010 χ^2/NDF: 2576877.7/55



Right In: -1394.550+/-455.722 χ^2/NDF: 31.3/27

Left Out: -797.000+/-197.884 χ^2/NDF:59.5/24

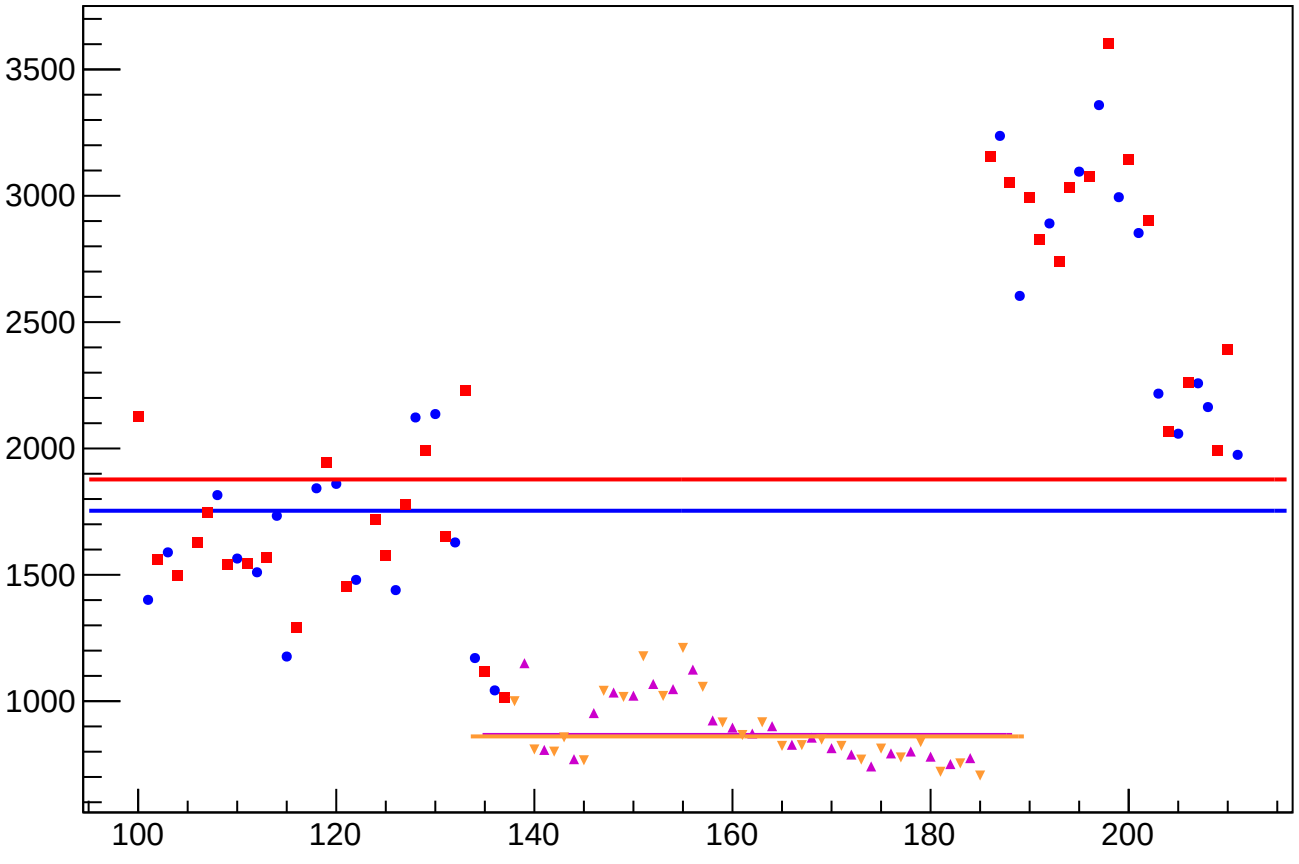
Right Out: -1438.133+/-466.577 χ^2/NDF: 26.4/32

Left In: -59.494+/-204.437 χ^2/NDF:30.5/22

\+ sign -891.793+/-181.511 χ^2/NDF: 92.2/52

All: -596.165+/-130.329 χ^2/NDF: 161.9/108

\- sign -281.544+/-187.251 χ^2/NDF: 64.2/55



Right In: 1753.562+/-0.322 χ^2/NDF: 3363672.6/27

Left Out: 860.492+/-0.140 χ^2/NDF:699250.7/24

Right Out: 1877.435+/-0.330 χ^2/NDF: 3559648.7/32

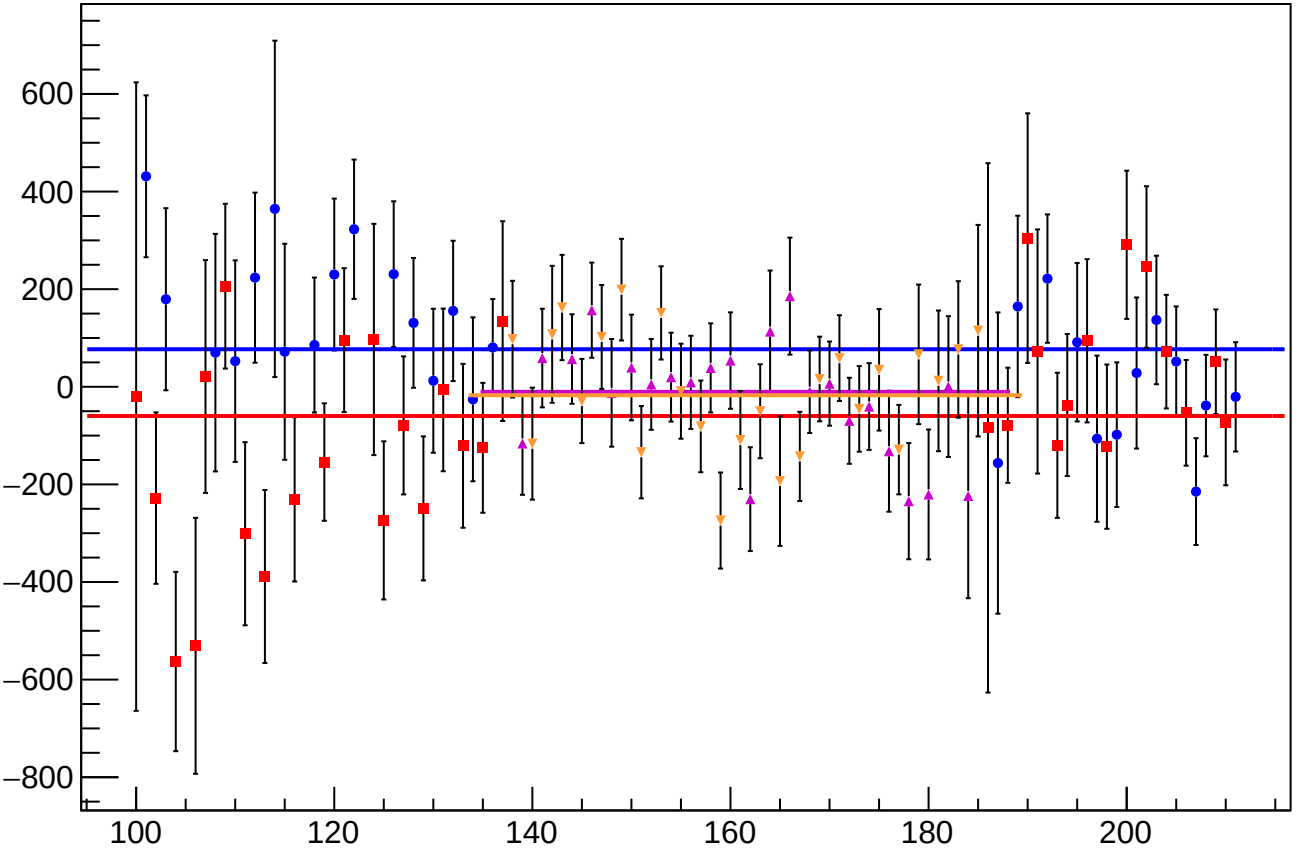
Left In: 866.352+/-0.145 χ^2/NDF:613256.3/22

+ sign 1002.166+/-0.128 χ^2/NDF: 10525182.2/52

All: 1015.263+/-0.092 χ^2/NDF: 22598849.4/1

- sign 1029.202+/-0.132 χ^2/NDF: 12052172.2/55

dit_asym_sam_24_68_dd_mean vs Slug



Right In: 76.919+/-27.828 χ^2/NDF: 26.3/27

Left Out: -17.356+/-20.987 χ^2/NDF:31.2/24

Right Out: -59.844+/-27.709 χ^2/NDF: 42.0/32

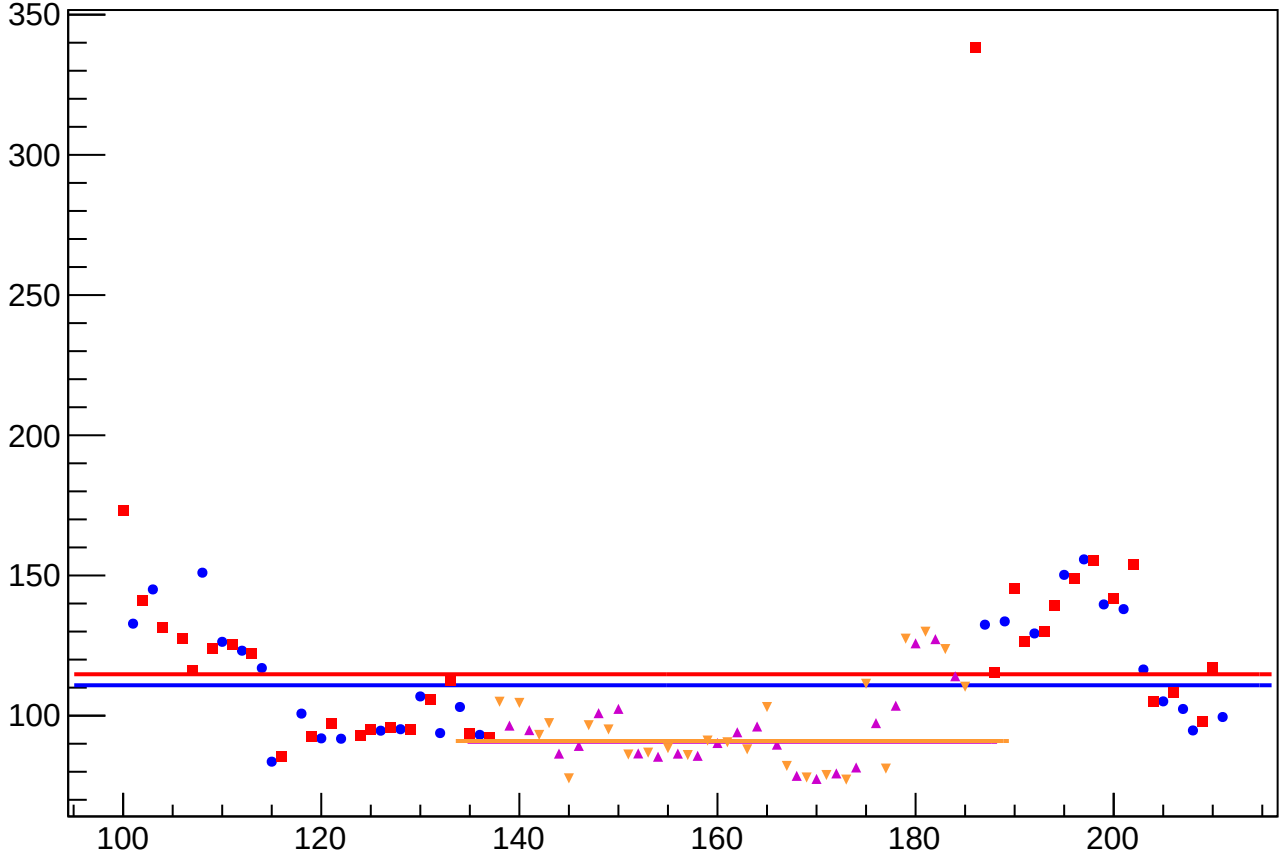
Left In: -10.412+/-21.503 χ^2/NDF:22.6/22

+ sign 16.824+/-16.756 χ^2/NDF: 64.9/52

All: -5.769+/-11.929 χ^2/NDF: 135.1/108

- sign -28.992+/-16.988 χ^2/NDF: 66.6/55

dit_asym_sam_24_68_dd_rms vs Slug



Right In: 110.846+/-0.020 χ^2/NDF: 996051.6/27

Left Out: 90.967+/-0.015 χ^2/NDF:784523.6/24

Right Out: 114.772+/-0.020 χ^2/NDF: 1349752.9/32

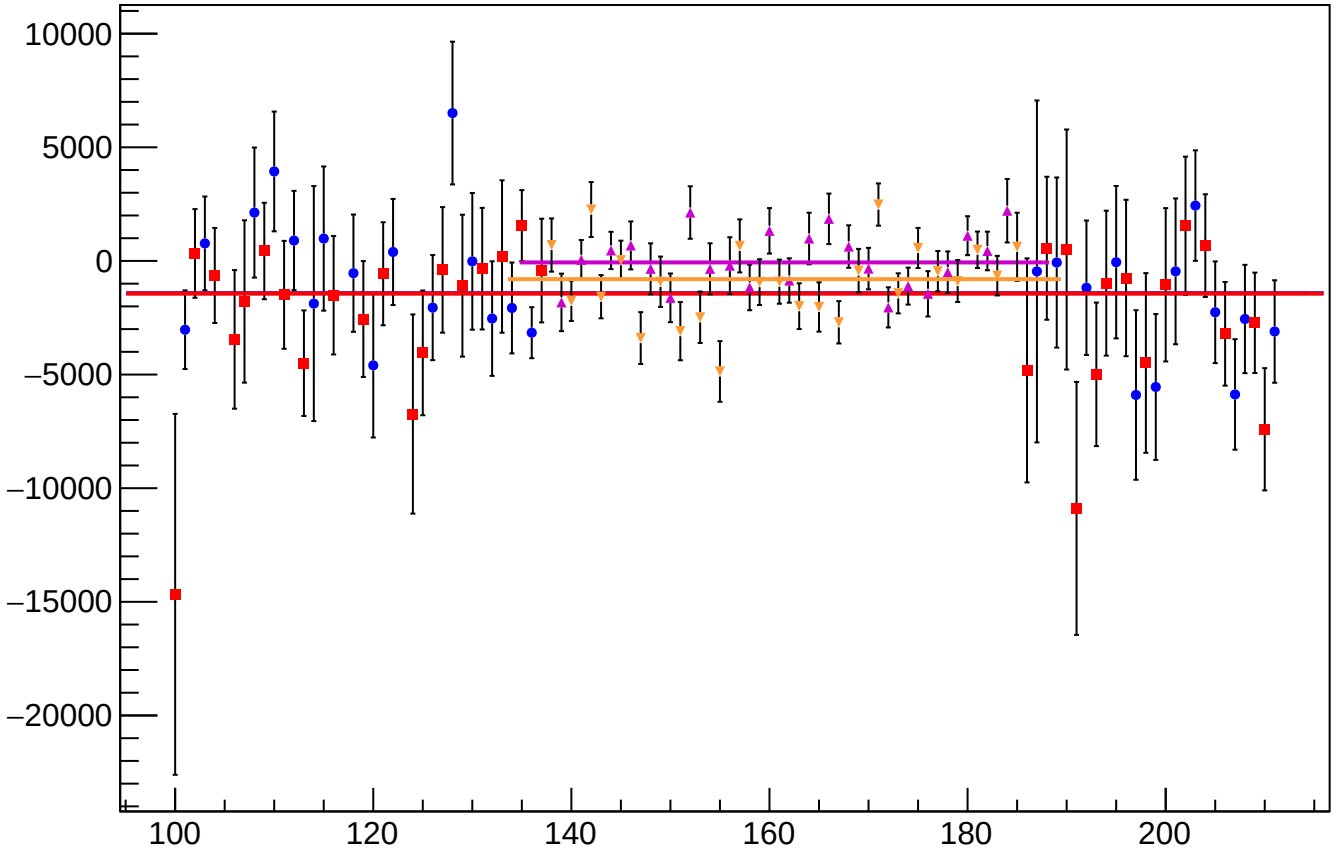
Left In: 90.690+/-0.015 χ^2/NDF:545969.6/22

+ sign 98.174+/-0.012 χ^2/NDF: 2431196.4/52

All: 98.947+/-0.008 χ^2/NDF: 5278414.4/108

- sign 99.742+/-0.012 χ^2/NDF: 2838586.2/55

asym_sam_24_68_dd_dit_correction_mean vs Slug



Right In: -1421.438+/-461.992 χ^2/NDF: 30.8/27

Left Out: -802.532+/-199.851 χ^2/NDF:58.3/24

Right Out: -1434.879+/-470.992 χ^2/NDF: 27.4/32

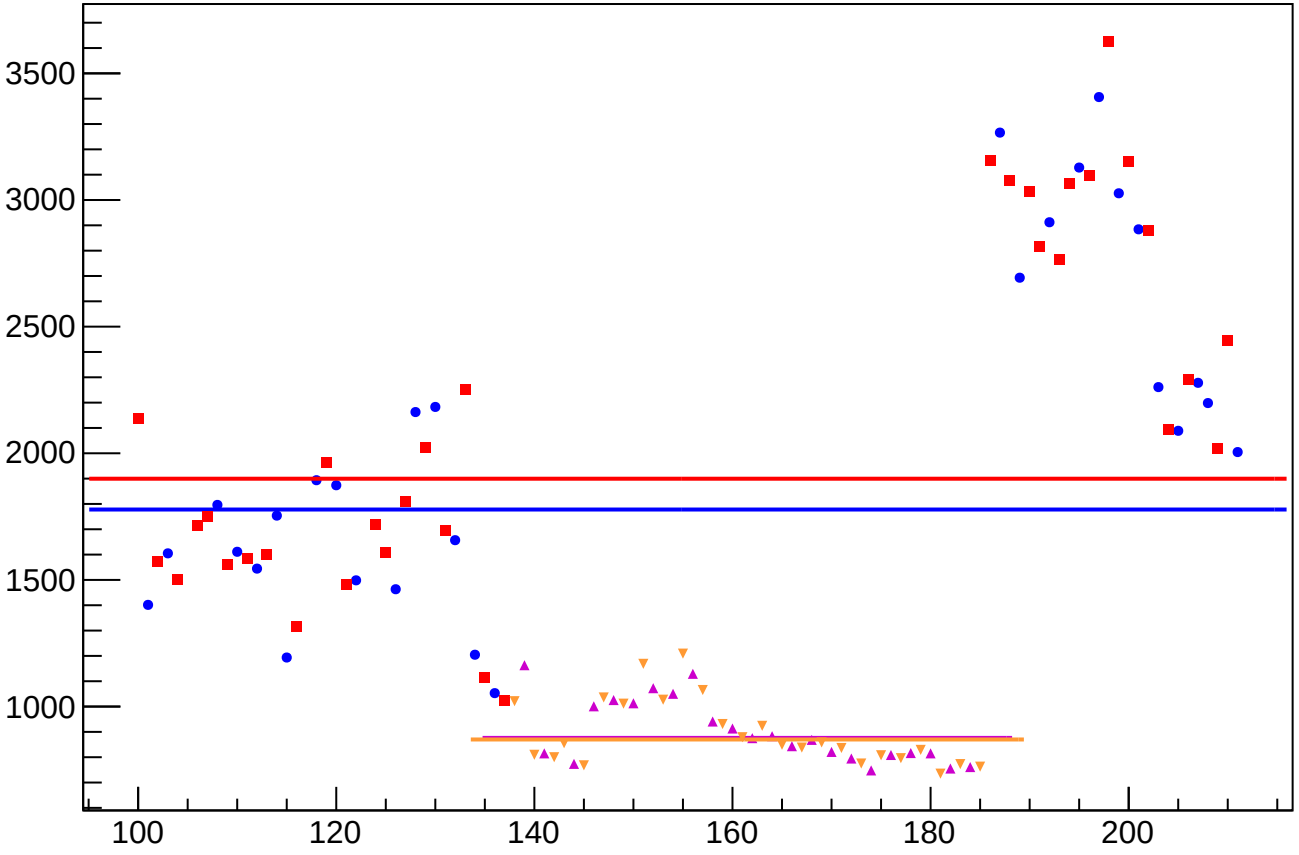
Left In: -65.218+/-206.677 χ^2/NDF:30.7/22

+ sign -900.092+/-183.424 χ^2/NDF: 90.6/52

All: -602.835+/-131.715 χ^2/NDF: 161.2/108

- sign -286.371+/-189.258 χ^2/NDF: 65.2/55

asym_sam_24_68_dd_dit_correction_rms vs Slug



Right In: 1777.950+/-0.327 χ^2/NDF: 3373092.0/27

Left Out: 870.009+/-0.141 χ^2/NDF:647274.1/24

Right Out: 1899.572+/-0.333 χ^2/NDF: 3535034.3/32

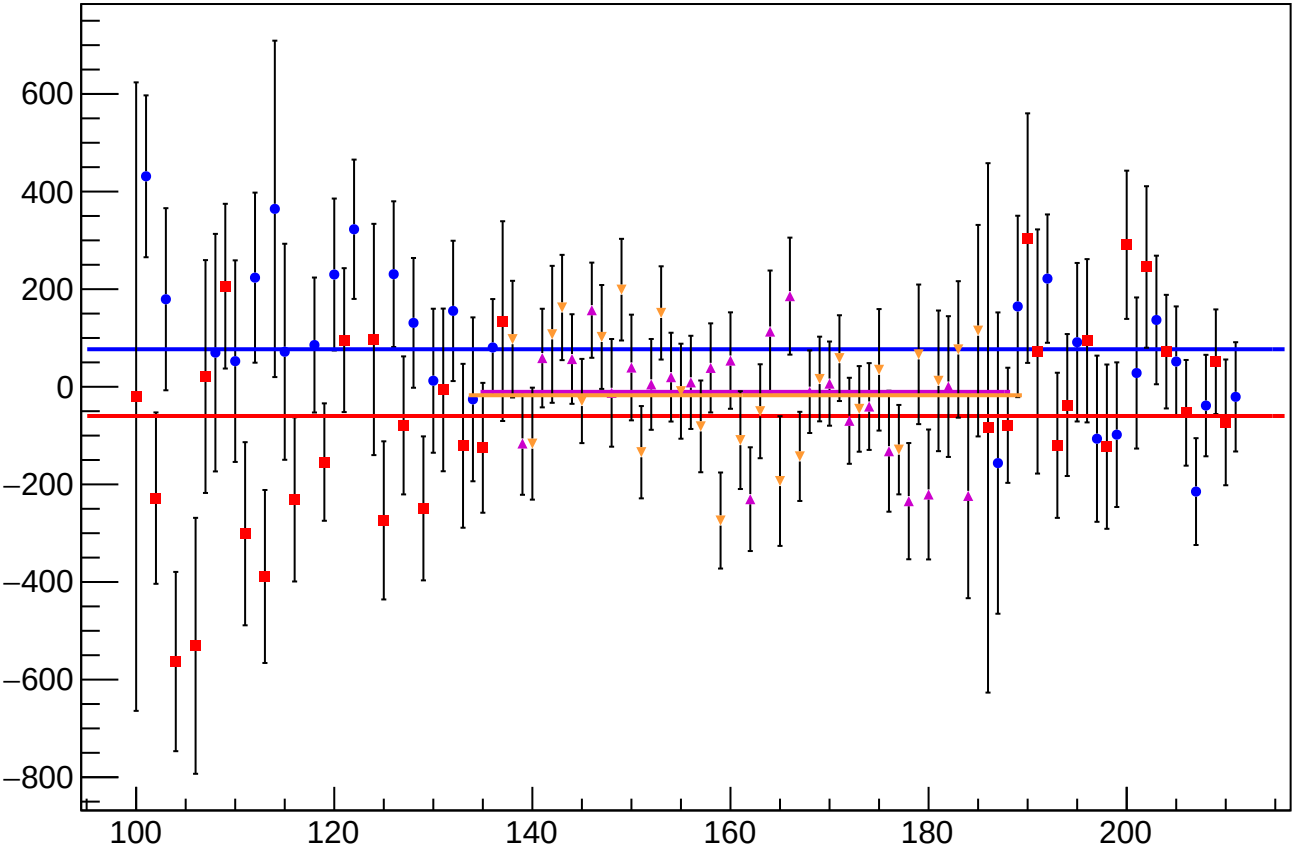
Left In: 876.273+/-0.146 χ^2/NDF:597200.7/22

+ sign 1013.130+/-0.130 χ^2/NDF: 10527329.6/52

All: 1026.871+/-0.093 χ^2/NDF: 22599163.0/1

- sign 1041.500+/-0.134 χ^2/NDF: 12048658.5/55

eigen_dit_asym_sam_24_68_dd_mean vs Slug



Right In: 76.922+/-27.827 χ^2/NDF: 26.3/27

Left Out: -17.356+/-20.987 χ^2/NDF:31.2/24

Right Out: -59.843+/-27.709 χ^2/NDF: 42.0/32

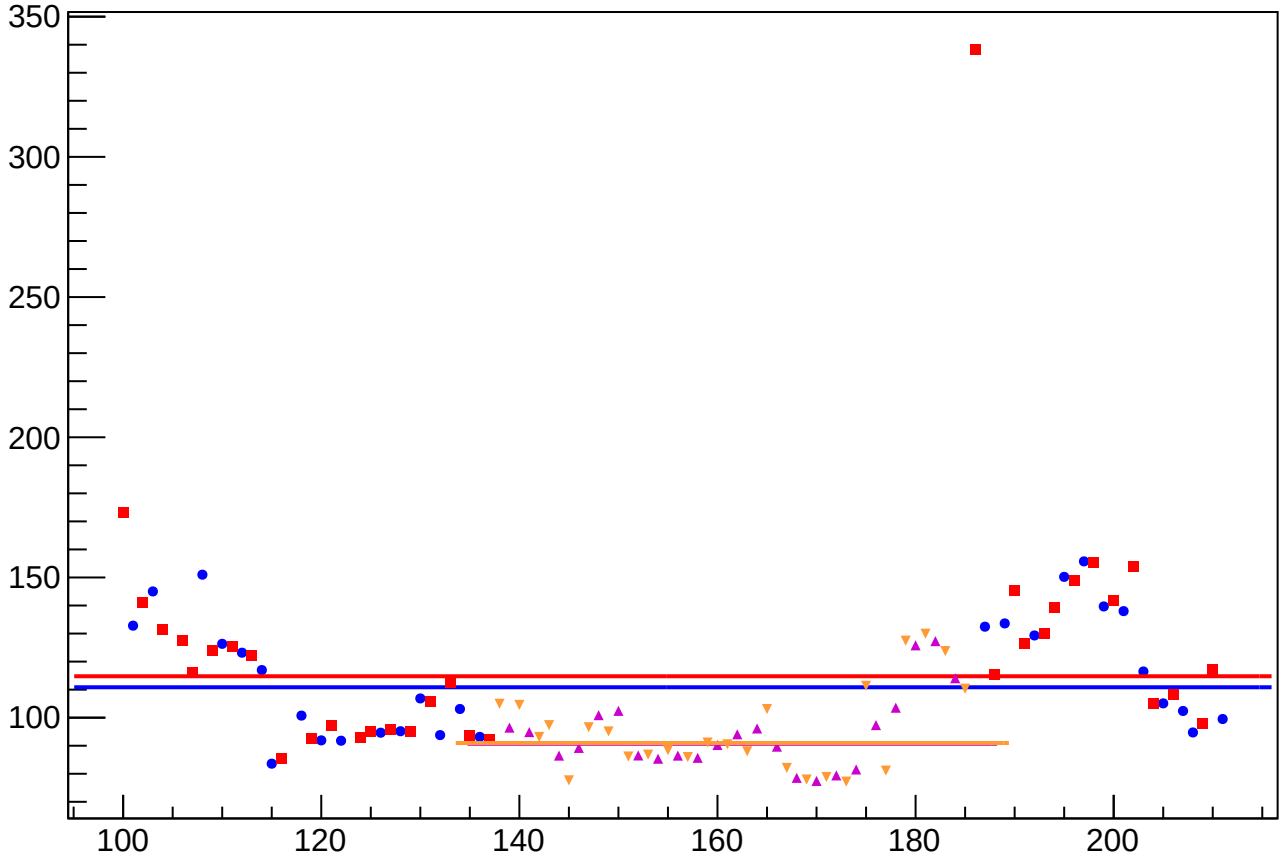
Left In: -10.412+/-21.503 χ^2/NDF:22.6/22

+ sign 16.826+/-16.756 χ^2/NDF: 64.9/52

All: -5.768+/-11.929 χ^2/NDF: 135.1/108

- sign -28.992+/-16.988 χ^2/NDF: 66.6/55

eigen_dit_asym_sam_24_68_dd_rms vs Slug



Right In: 110.846+/-0.020 χ^2/NDF: 996061.5/27

Left Out: 90.967+/-0.015 χ^2/NDF:784529.9/24

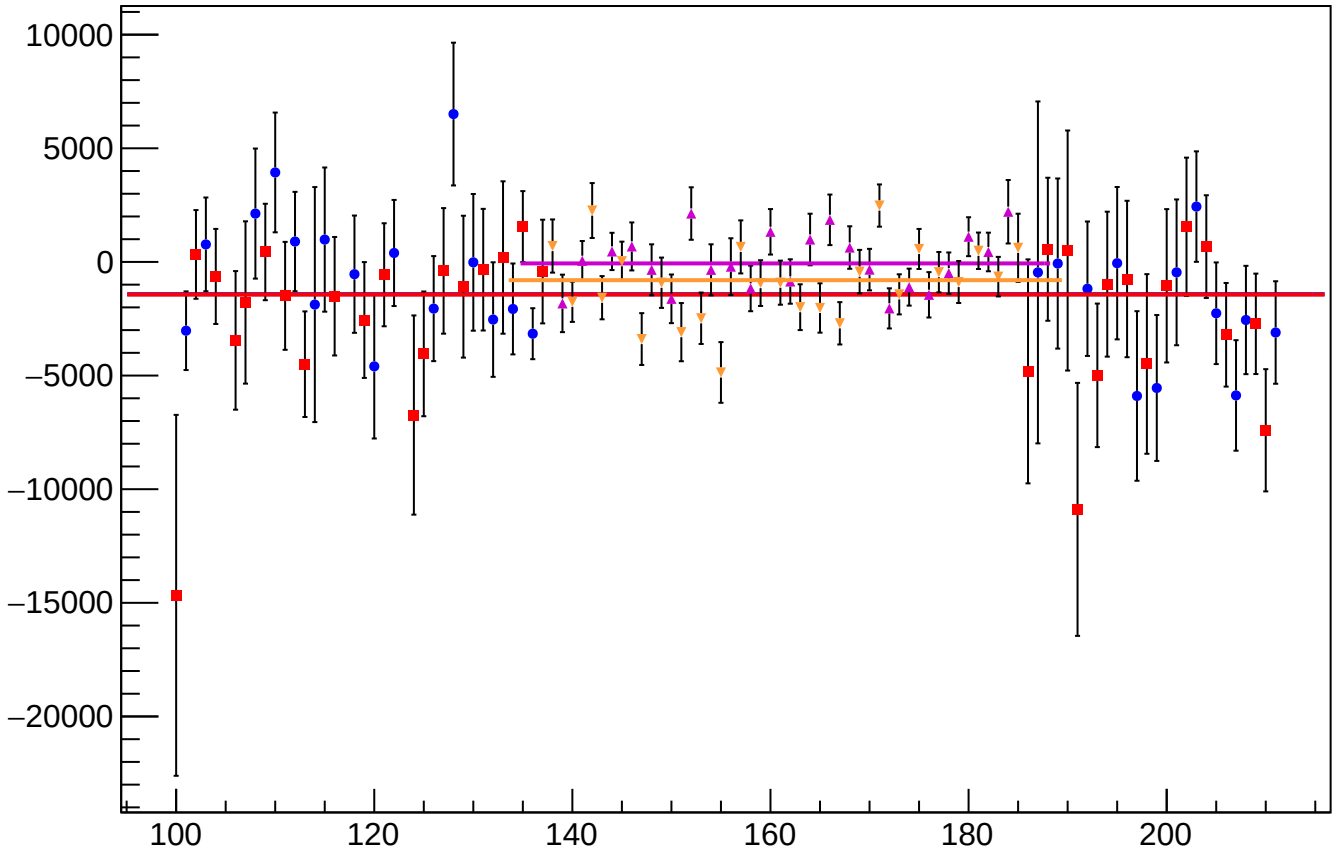
Right Out: 114.772+/-0.020 χ^2/NDF: 1349771.0/32

Left In: 90.690+/-0.015 χ^2/NDF:545960.7/22

+ sign 98.174+/-0.012 χ^2/NDF: 2431171.1/52

All: 98.947+/-0.008 χ^2/NDF: 5278372.1/108

- sign 99.742+/-0.012 χ^2/NDF: 2838569.7/55



Right In: -1421.434+/-461.991 χ^2/NDF: 30.8/27

Left Out: -802.531+/-199.851 χ^2/NDF:58.3/24

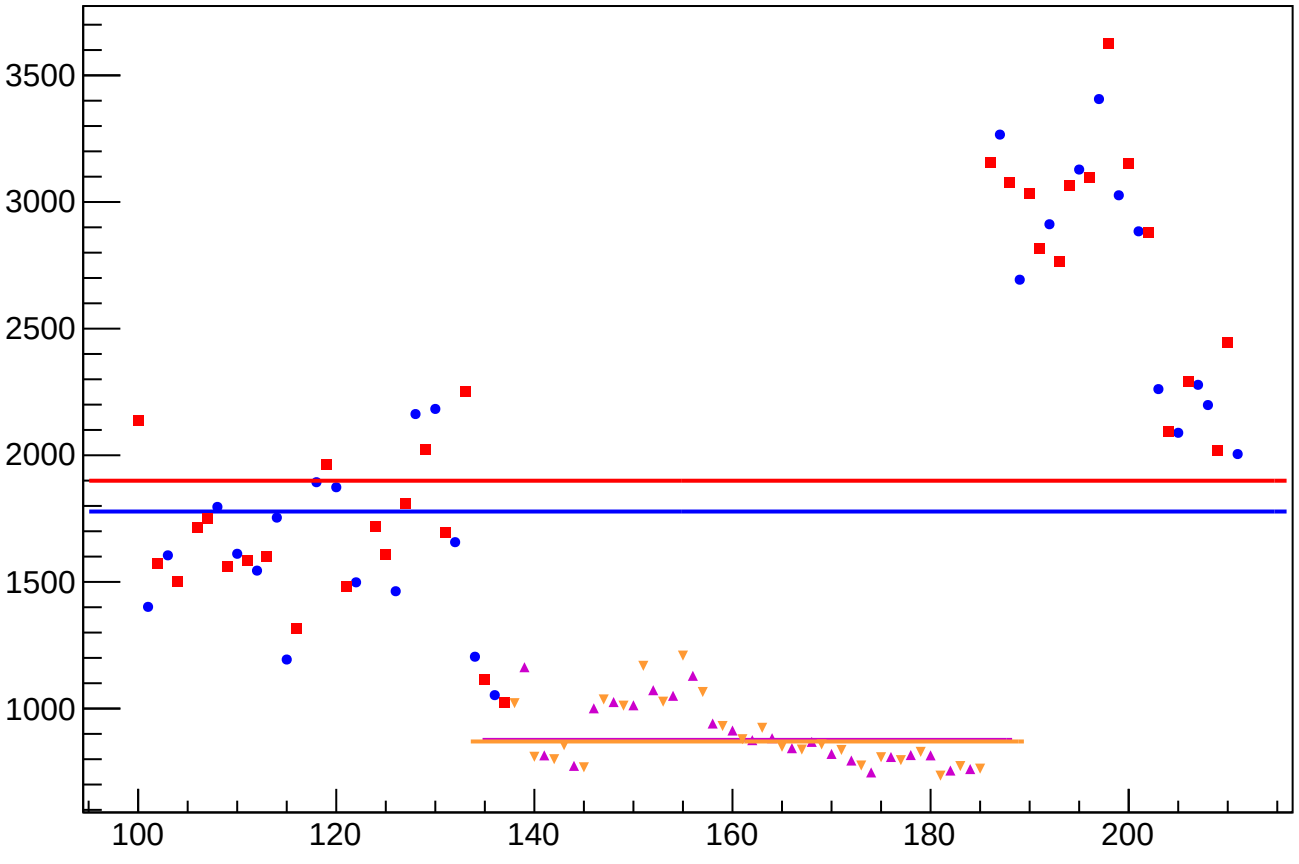
Right Out: -1434.877+/-470.992 χ^2/NDF: 27.4/32

Left In: -65.218+/-206.677 χ^2/NDF:30.7/22

+ sign -900.090+/-183.424 χ^2/NDF: 90.6/52

All: -602.834+/-131.714 χ^2/NDF: 161.2/108

- sign -286.370+/-189.257 χ^2/NDF: 65.2/55



Right In: 1777.947+/-0.327 χ^2/NDF: 3373099.0/27

Left Out: 870.008+/-0.141 χ^2/NDF:647275.9/24

Right Out: 1899.570+/-0.333 χ^2/NDF: 3535046.7/32

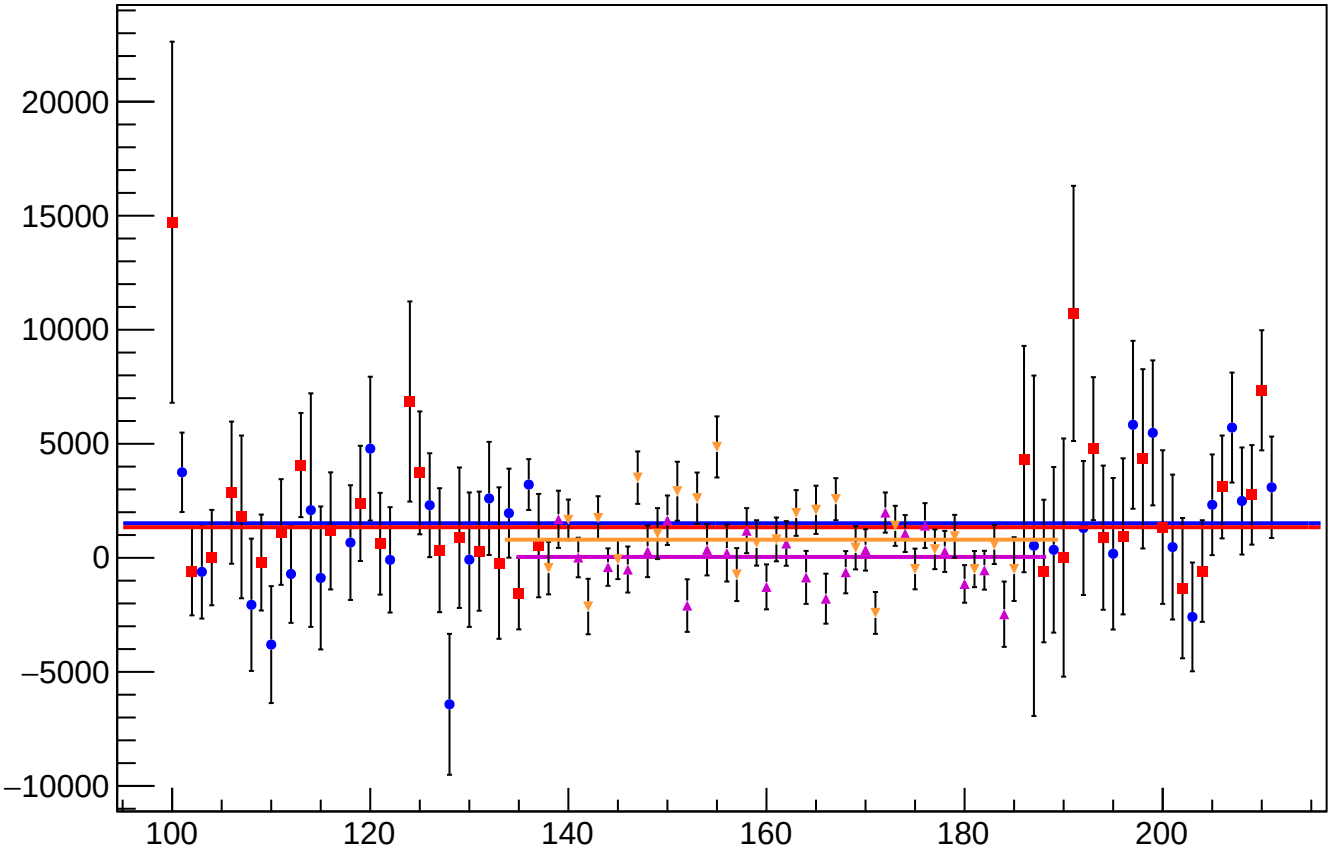
Left In: 876.272+/-0.146 χ^2/NDF:597200.9/22

+ sign 1013.129+/-0.130 χ^2/NDF: 10527327.3/52

All: 1026.870+/-0.093 χ^2/NDF: 22599161.2/1

- sign 1041.499+/-0.134 χ^2/NDF: 12048659.3/55

asym_sam_24_68_dd_mean vs Slug



Right In: 1515.036+/-456.713 χ^2/NDF: 31.6/27

Left Out: 796.287+/-198.802 χ^2/NDF:57.2/24

Right Out: 1341.878+/-467.073 χ^2/NDF: 26.4/32

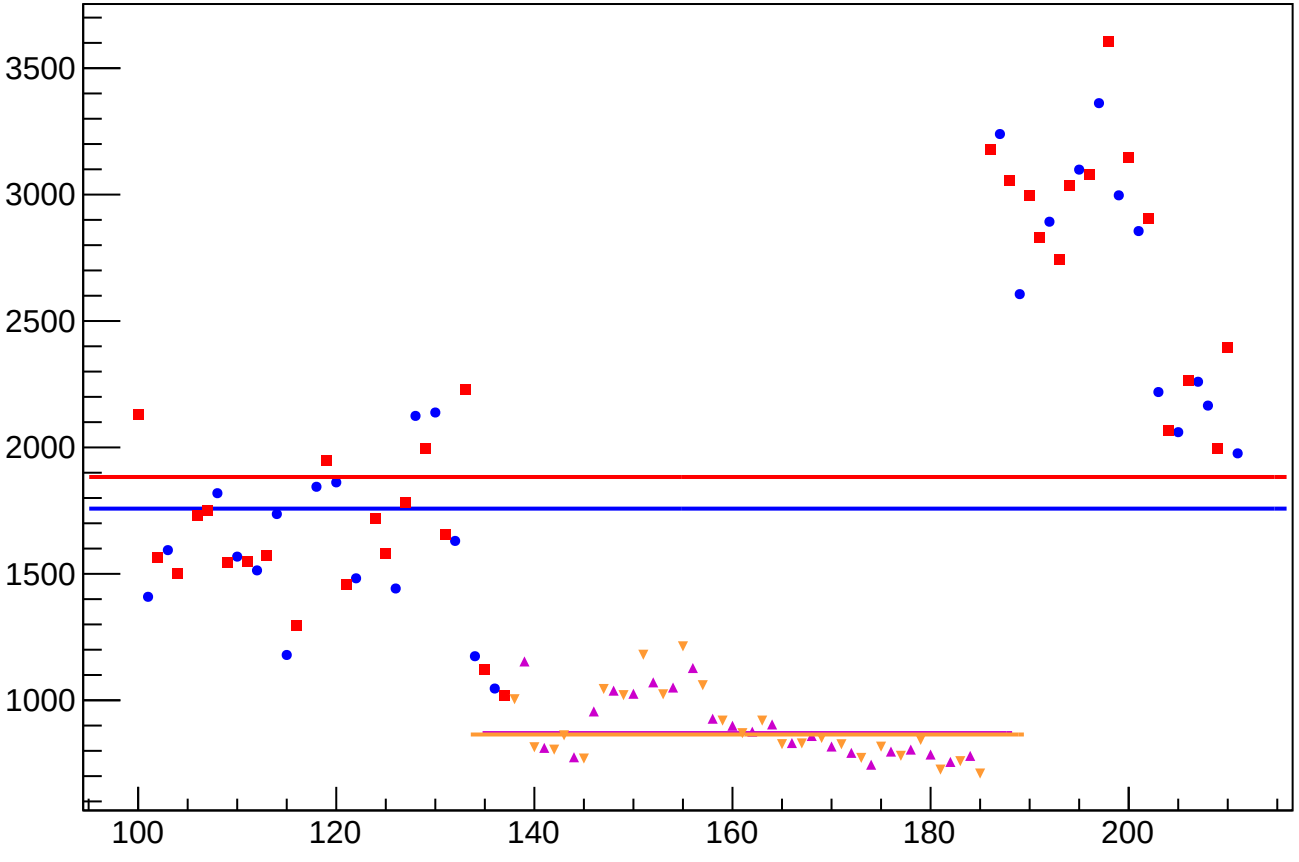
Left In: 39.746+/-205.349 χ^2/NDF:29.7/22

+ sign 910.780+/-182.282 χ^2/NDF: 90.9/52

All: 590.887+/-130.862 χ^2/NDF: 159.8/108

- sign 250.669+/-187.984 χ^2/NDF: 62.6/55

asym_sam_24_68_dd_rms vs Slug



Right In: 1757.999+/-0.323 χ^2/NDF: 3343695.8/27

Left Out: 864.637+/-0.141 χ^2/NDF:688948.2/24

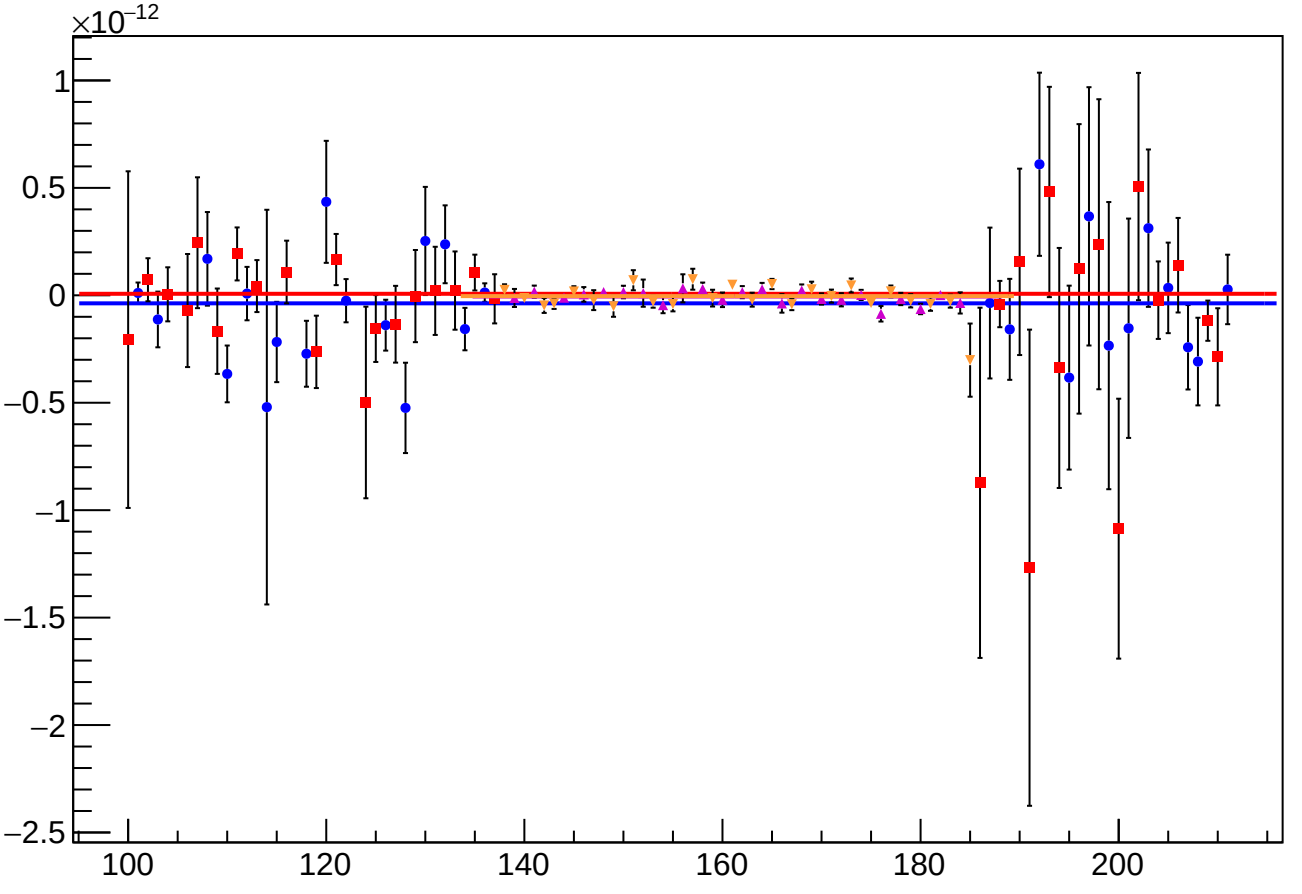
Right Out: 1883.114+/-0.330 χ^2/NDF: 3539284.5/32

Left In: 870.346+/-0.145 χ^2/NDF:604520.6/22

+ sign 1006.944+/-0.129 χ^2/NDF: 10466083.0/52

All: 1020.248+/-0.093 χ^2/NDF: 22511980.8/1

- sign 1034.397+/-0.133 χ^2/NDF: 12023913.3/55



Right In: -0.000+/-0.000 χ^2/NDF: 35.3/27

Left Out: -0.000+/-0.000 χ^2/NDF:38.7/24

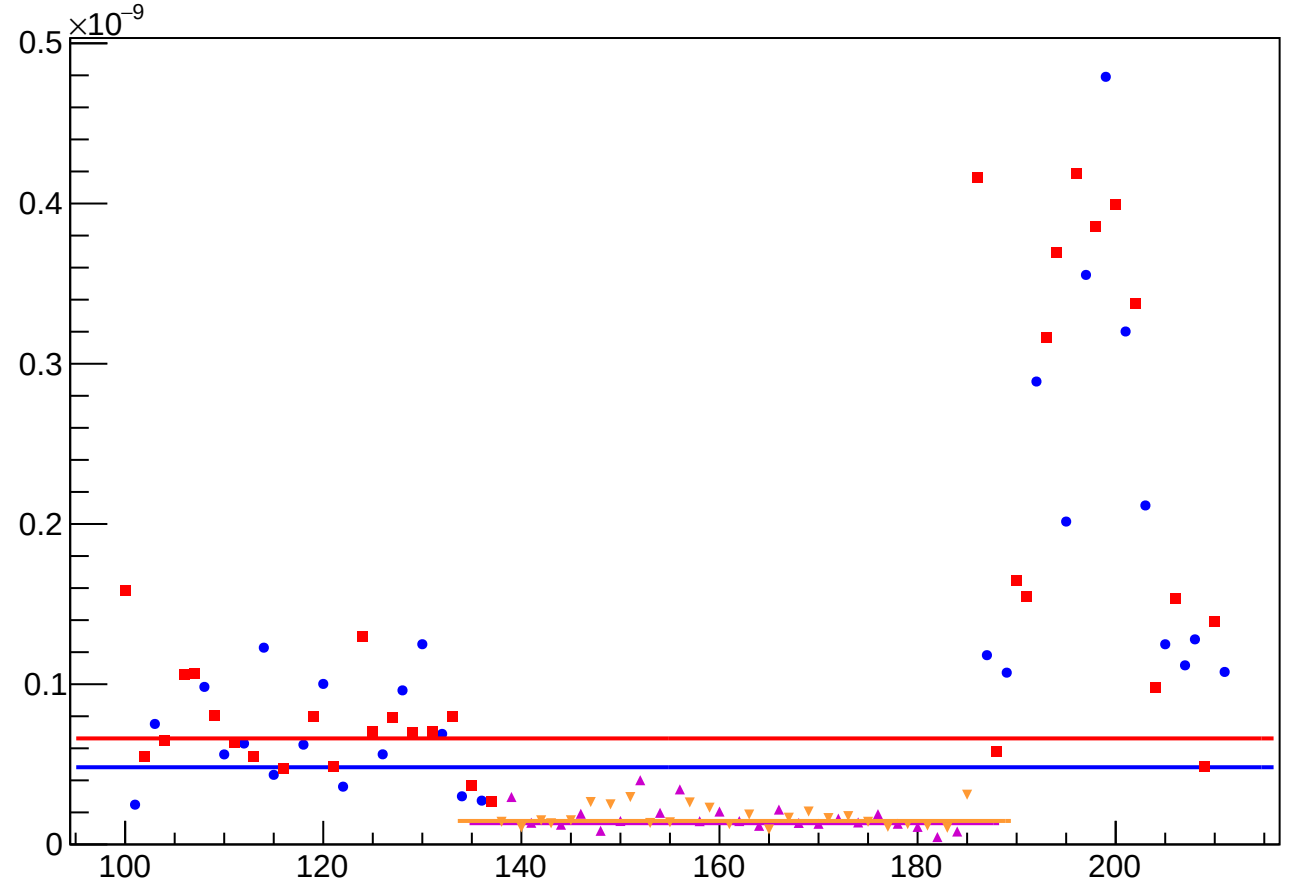
Right Out: 0.000+/-0.000 χ^2/NDF: 25.9/32

Left In: -0.000+/-0.000 χ^2/NDF:20.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 75.9/52

All: -0.000+/-0.000 χ^2/NDF: 122.6/108

- sign -0.000+/-0.000 χ^2/NDF: 46.7/55



Right In: 0.000+/-0.000 χ^2/NDF: 6153378.3/27

Left Out: 0.000+/-0.000 χ^2/NDF:1073691.3/24

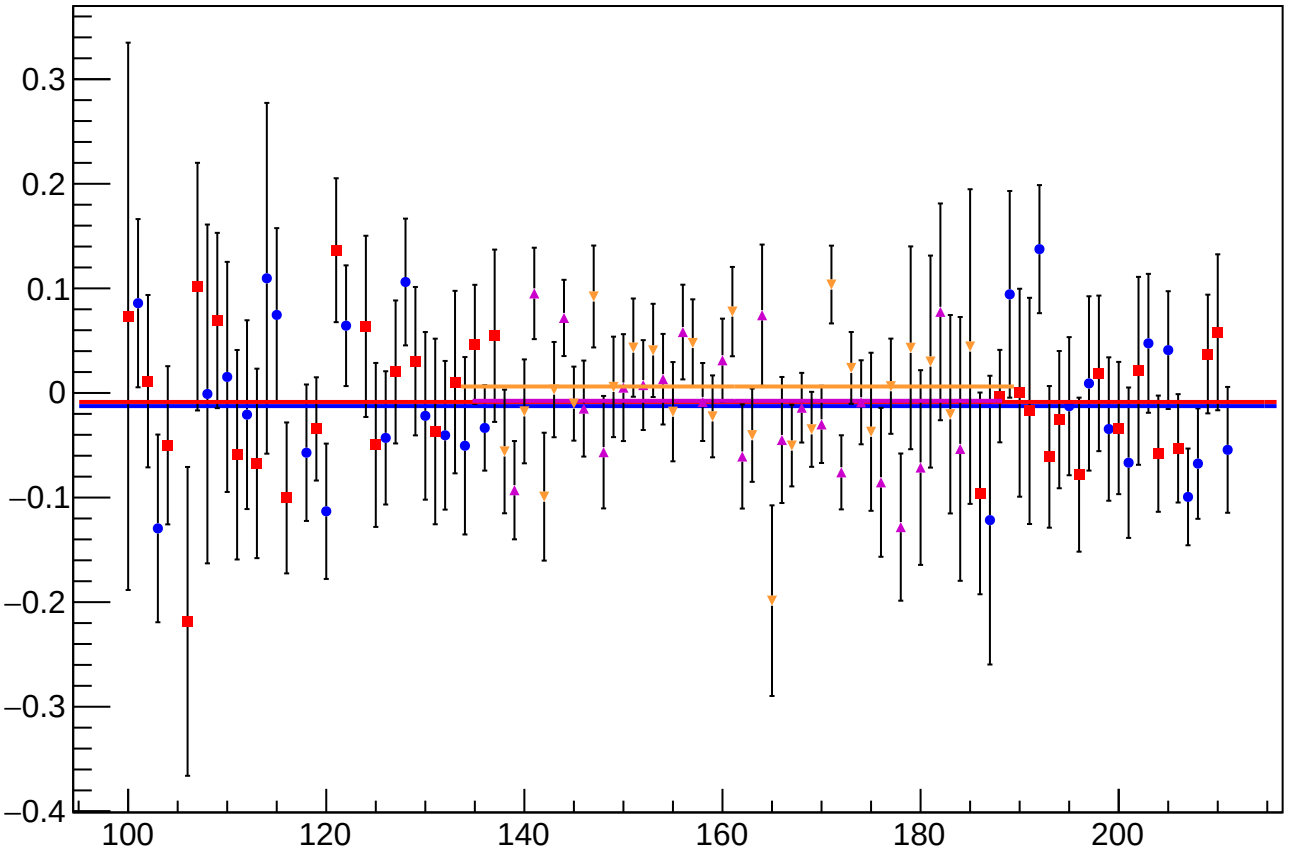
Right Out: 0.000+/-0.000 χ^2/NDF: 5201818.3/32

Left In: 0.000+/-0.000 χ^2/NDF:1970835.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 10944429.8/52

All: 0.000+/-0.000 χ^2/NDF: 24463246.6/108

- sign 0.000+/-0.000 χ^2/NDF: 13473235.5/55



Right In: -0.013+/-0.013 χ^2/NDF: 29.6/27

Left Out: 0.006+/-0.010 χ^2/NDF:30.8/24

Right Out: -0.009+/-0.013 χ^2/NDF: 20.1/32

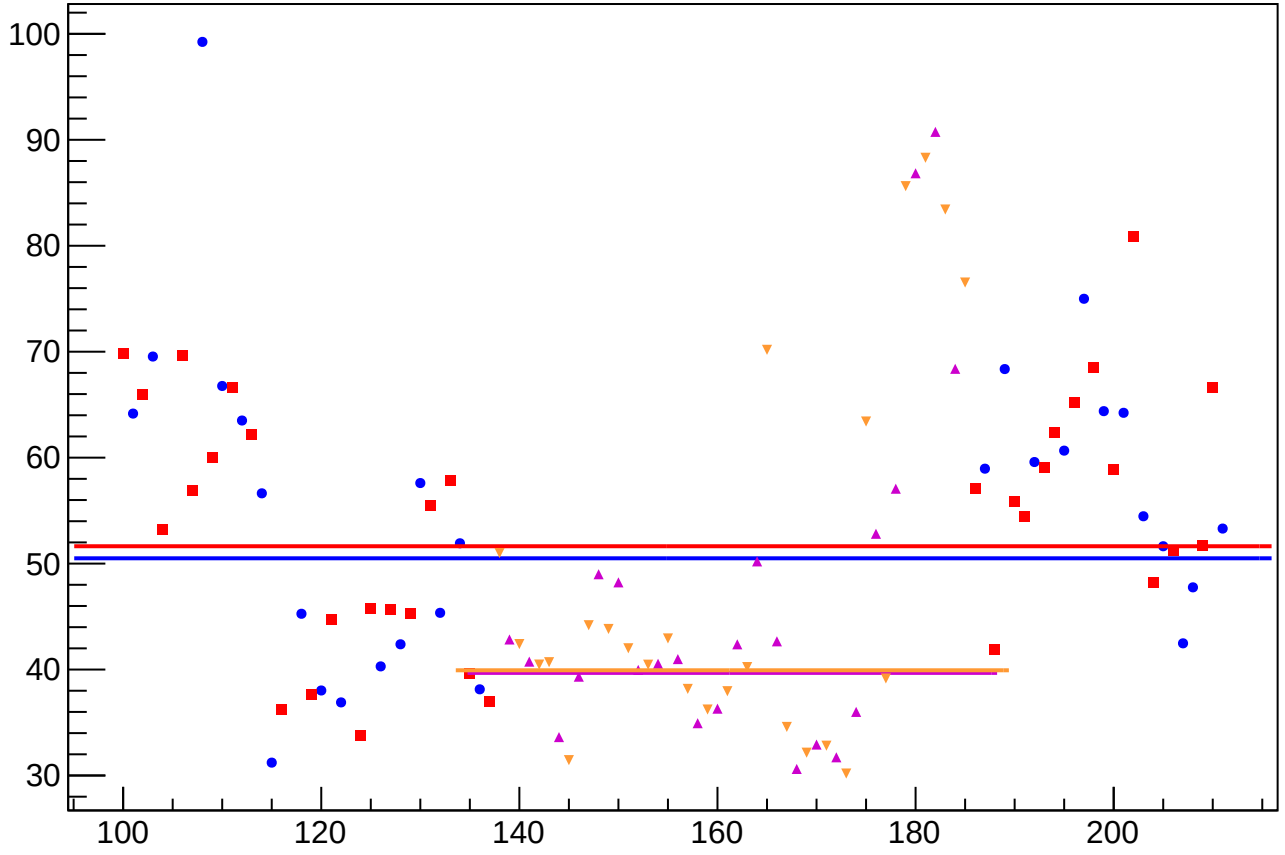
Left In: -0.007+/-0.010 χ^2/NDF:30.4/22

+ sign -0.000+/-0.008 χ^2/NDF: 61.8/52

All: -0.004+/-0.005 χ^2/NDF: 112.8/108

- sign -0.008+/-0.008 χ^2/NDF: 50.6/55

asym_sam_24_68_dd_dit_vs_cor_diff_rms vs Slug



Right In: 50.500+/-0.009 χ^2/NDF: 1590710.4/27

Left Out: 39.930+/-0.007 χ^2/NDF:2475485.4/24

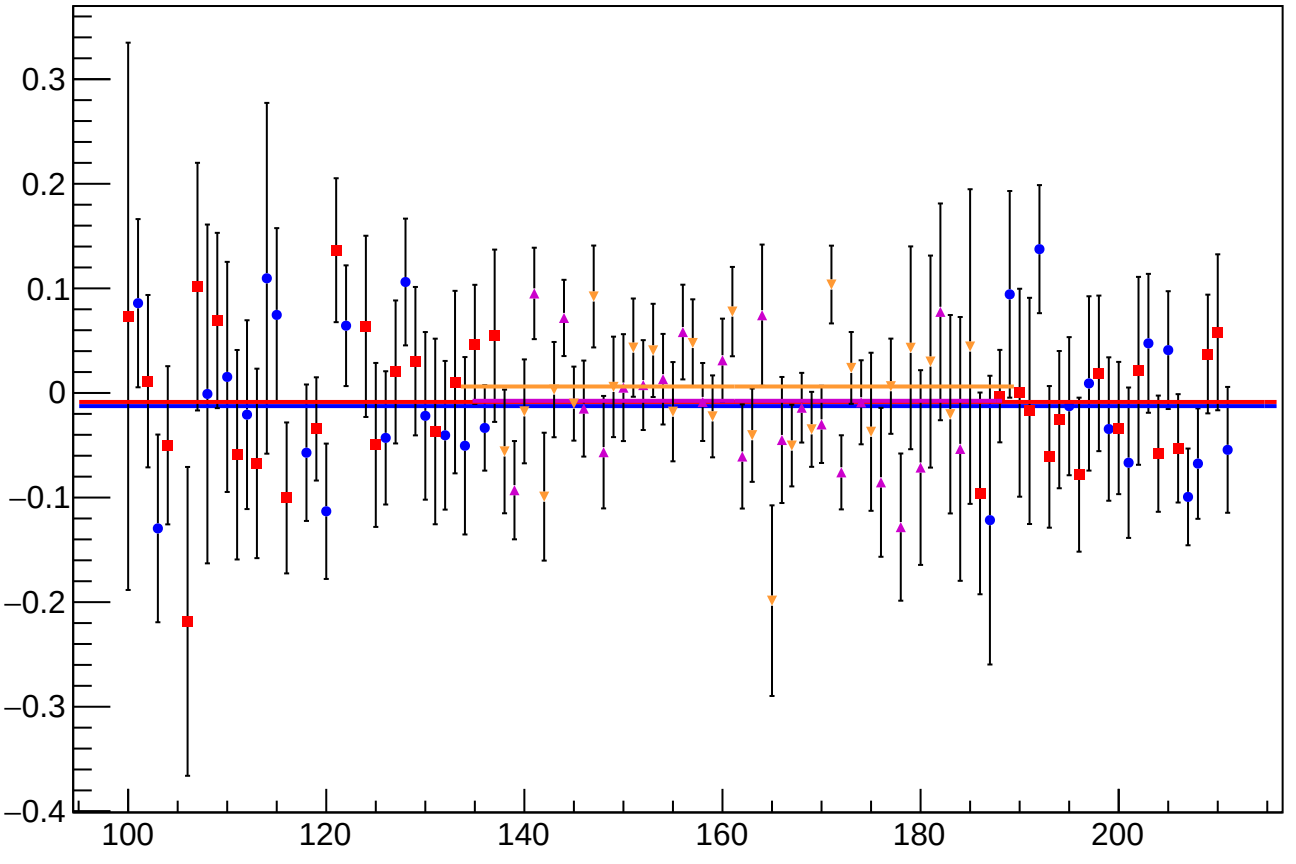
Right Out: 51.638+/-0.009 χ^2/NDF: 1444094.7/32

Left In: 39.686+/-0.007 χ^2/NDF:1915871.4/22

+ sign 43.653+/-0.005 χ^2/NDF: 4925226.1/52

All: 43.900+/-0.004 χ^2/NDF: 9406020.5/108

- sign 44.149+/-0.005 χ^2/NDF: 4476665.5/55



Right In: -0.013+/-0.013 χ^2/NDF: 29.6/27

Left Out: 0.006+/-0.010 χ^2/NDF:30.8/24

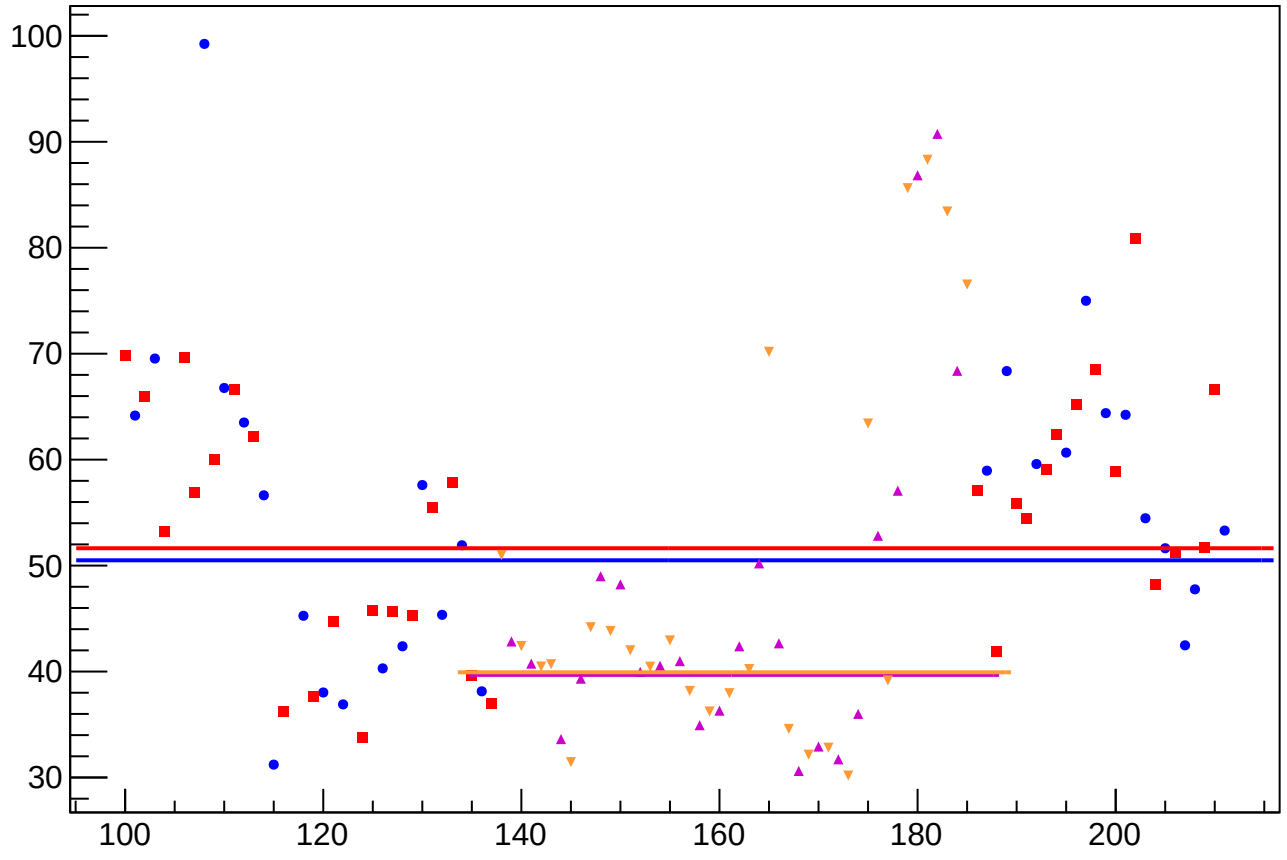
Right Out: -0.009+/-0.013 χ^2/NDF: 20.1/32

Left In: -0.007+/-0.010 χ^2/NDF:30.4/22

+ sign -0.000+/-0.008 χ^2/NDF: 61.8/52

All: -0.004+/-0.005 χ^2/NDF: 112.8/108

- sign -0.008+/-0.008 χ^2/NDF: 50.6/55



Right In: 50.500+/-0.009 χ^2/NDF: 1590710.4/27

Left Out: 39.930+/-0.007 χ^2/NDF:2475485.4/24

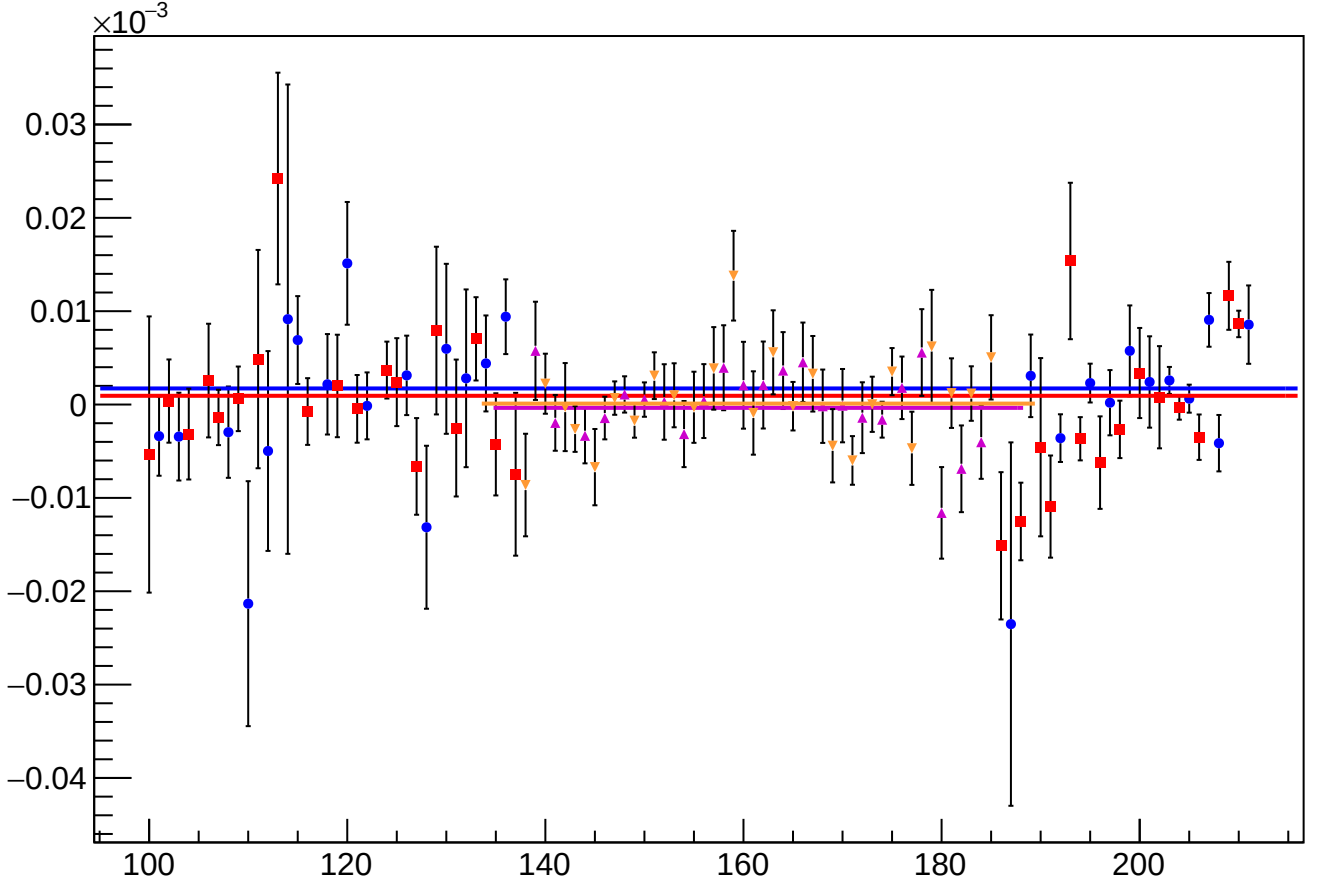
Right Out: 51.638+/-0.009 χ^2/NDF: 1444094.7/32

Left In: 39.686+/-0.007 χ^2/NDF:1915871.4/22

+ sign 43.653+/-0.005 χ^2/NDF: 4925226.1/52

All: 43.900+/-0.004 χ^2/NDF: 9406020.5/108

- sign 44.149+/-0.005 χ^2/NDF: 4476665.5/55



Right In: 0.000+/-0.000 χ^2/NDF: 40.9/27

Left Out: 0.000+/-0.000 χ^2/NDF:33.2/24

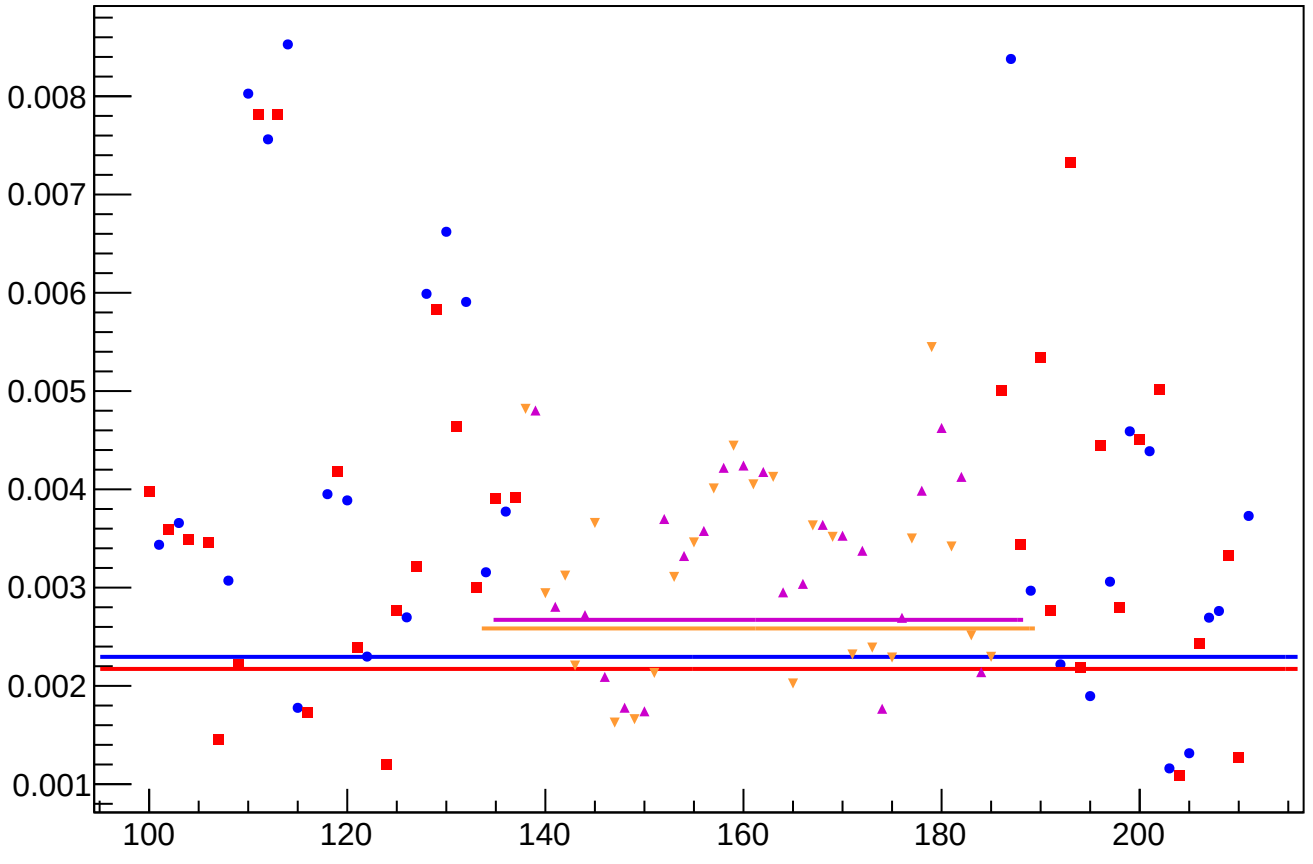
Right Out: 0.000+/-0.000 χ^2/NDF: 86.7/32

Left In: -0.000+/-0.000 χ^2/NDF:18.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 77.3/52

All: 0.000+/-0.000 χ^2/NDF: 185.5/108

- sign 0.000+/-0.000 χ^2/NDF: 107.5/55



Right In: 0.002+/-0.000 χ^2/NDF: 6757556.6/27

Left Out: 0.003+/-0.000 χ^2/NDF:3892707.7/24

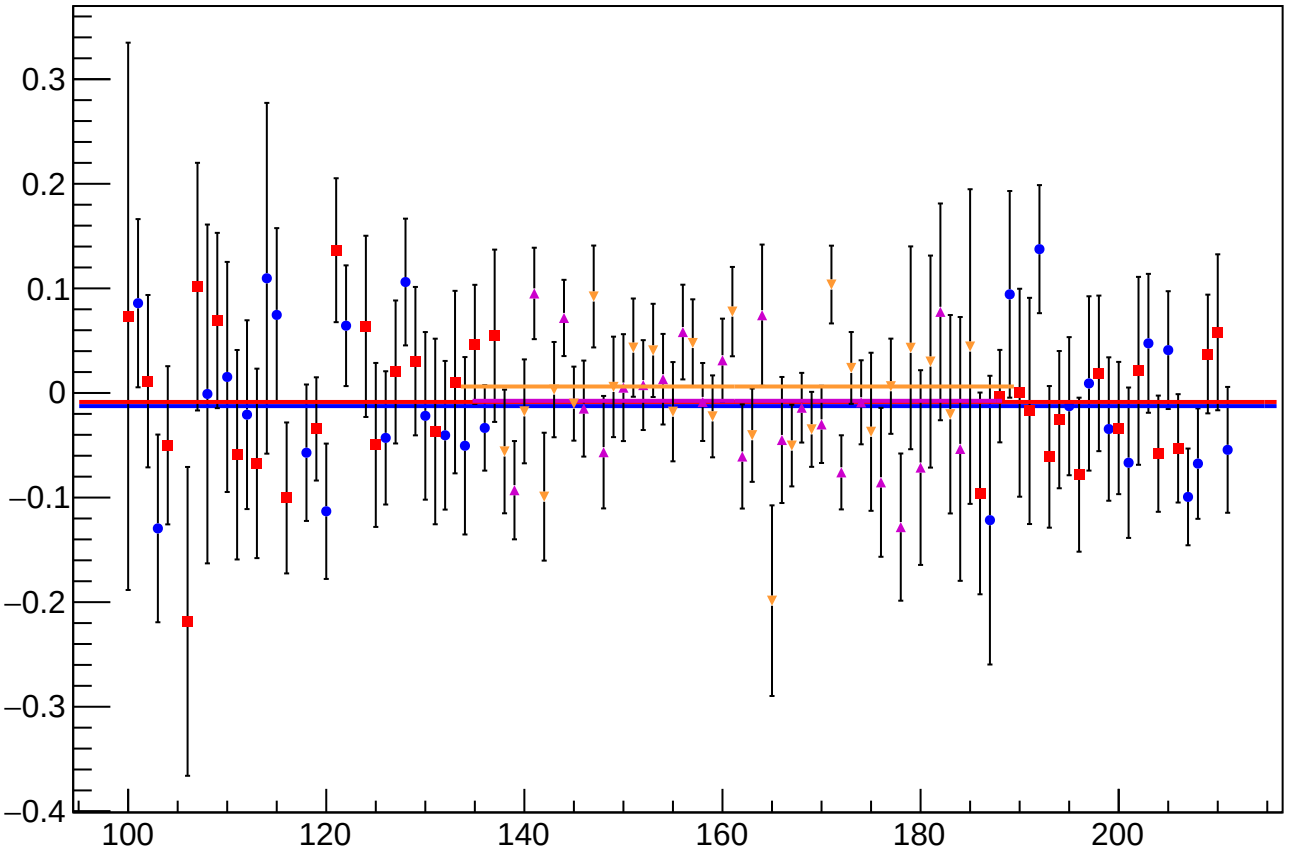
Right Out: 0.002+/-0.000 χ^2/NDF: 8565199.4/32

Left In: 0.003+/-0.000 χ^2/NDF:3825662.0/22

+ sign 0.002+/-0.000 χ^2/NDF: 10854535.6/52

All: 0.002+/-0.000 χ^2/NDF: 23872978.2/108

- sign 0.002+/-0.000 χ^2/NDF: 13006188.5/55



Right In: -0.013+/-0.013 χ^2/NDF: 29.6/27

Left Out: 0.006+/-0.010 χ^2/NDF:30.8/24

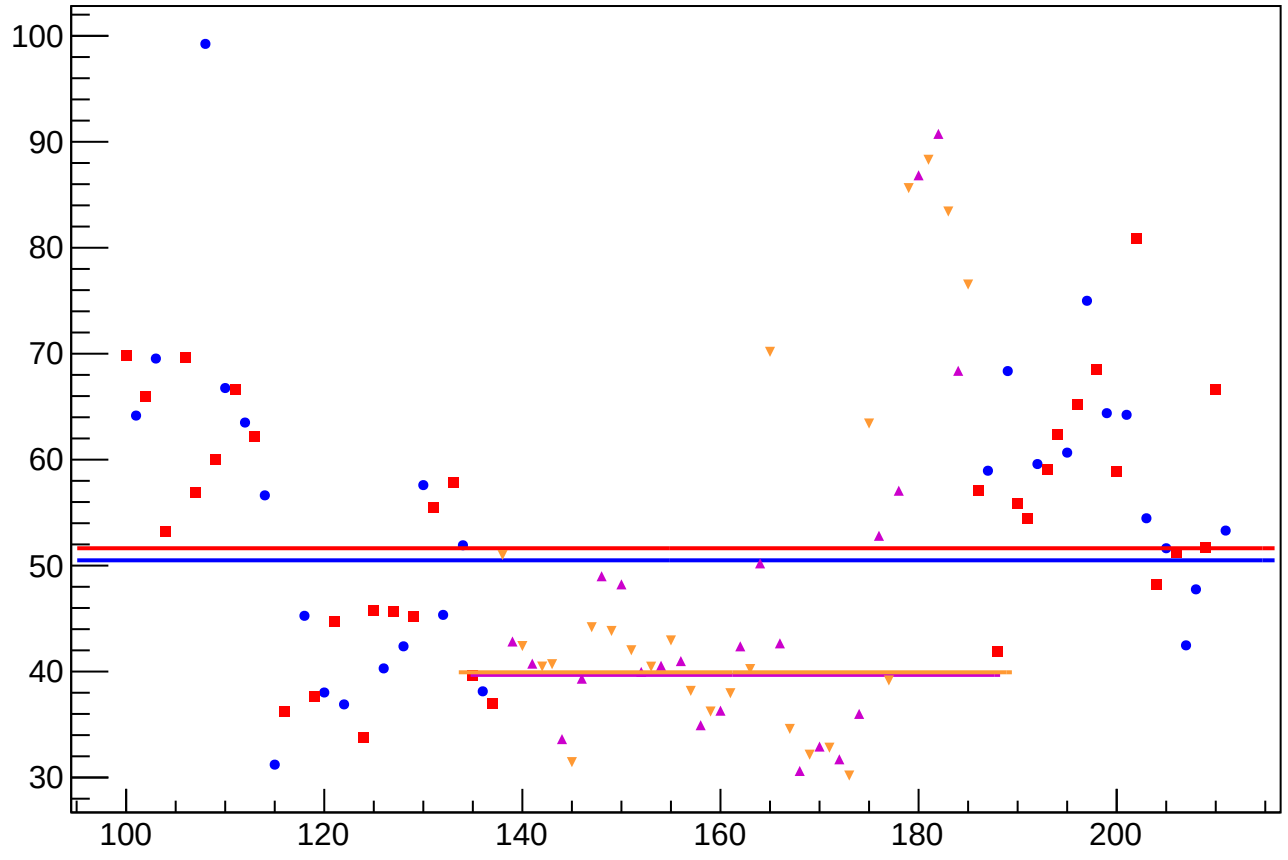
Right Out: -0.009+/-0.013 χ^2/NDF: 20.1/32

Left In: -0.007+/-0.010 χ^2/NDF:30.4/22

+ sign -0.000+/-0.008 χ^2/NDF: 61.8/52

All: -0.004+/-0.005 χ^2/NDF: 112.8/108

- sign -0.008+/-0.008 χ^2/NDF: 50.6/55



Right In: 50.499+/-0.009 χ^2/NDF: 1590754.8/27

Left Out: 39.930+/-0.007 χ^2/NDF:2475527.1/24

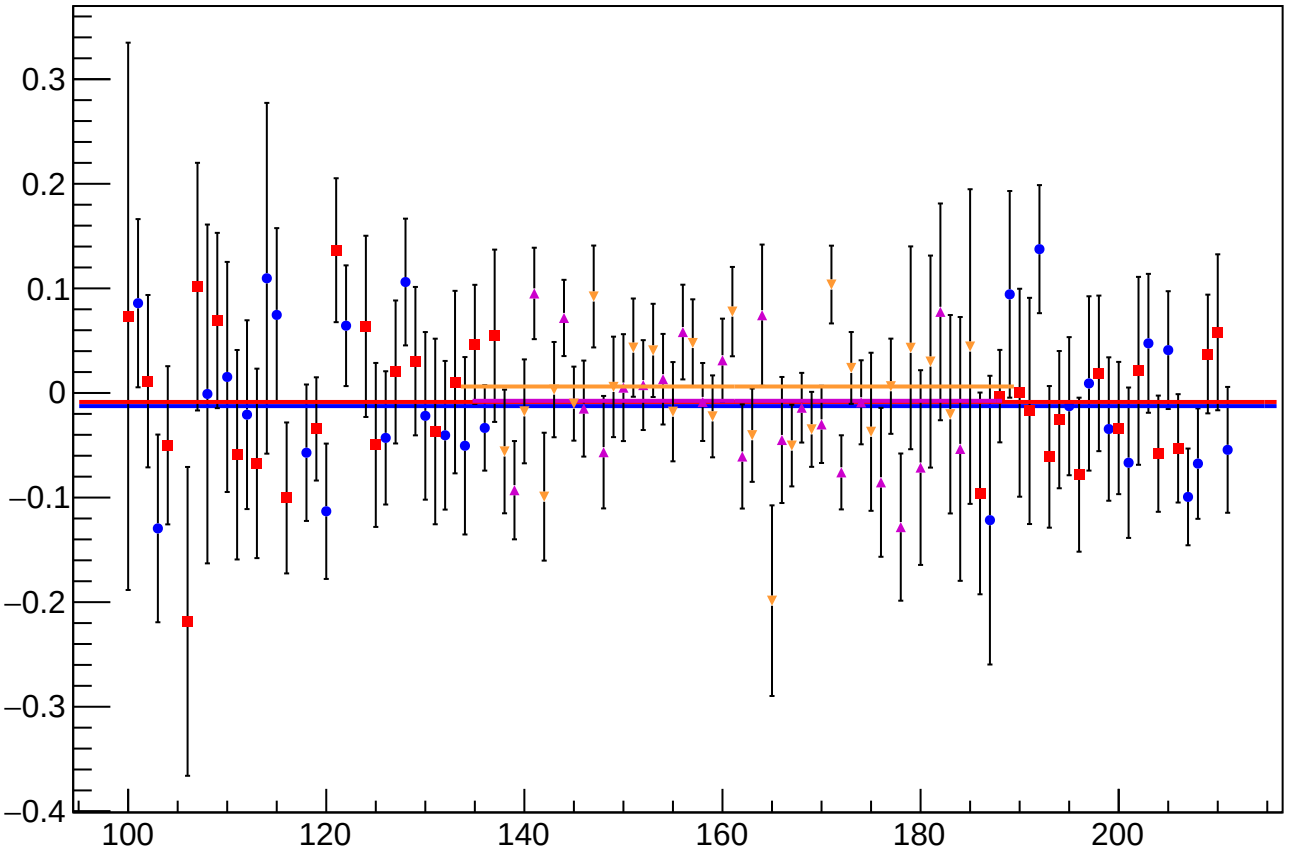
Right Out: 51.638+/-0.009 χ^2/NDF: 1444138.0/32

Left In: 39.685+/-0.007 χ^2/NDF:1915901.2/22

\+ sign 43.653+/-0.005 χ^2/NDF: 4925142.5/52

All: 43.900+/-0.004 χ^2/NDF: 9405948.4/108

\- sign 44.149+/-0.005 χ^2/NDF: 4476678.5/55



Right In: -0.013+/-0.013 χ^2/NDF: 29.6/27

Left Out: 0.006+/-0.010 χ^2/NDF:30.8/24

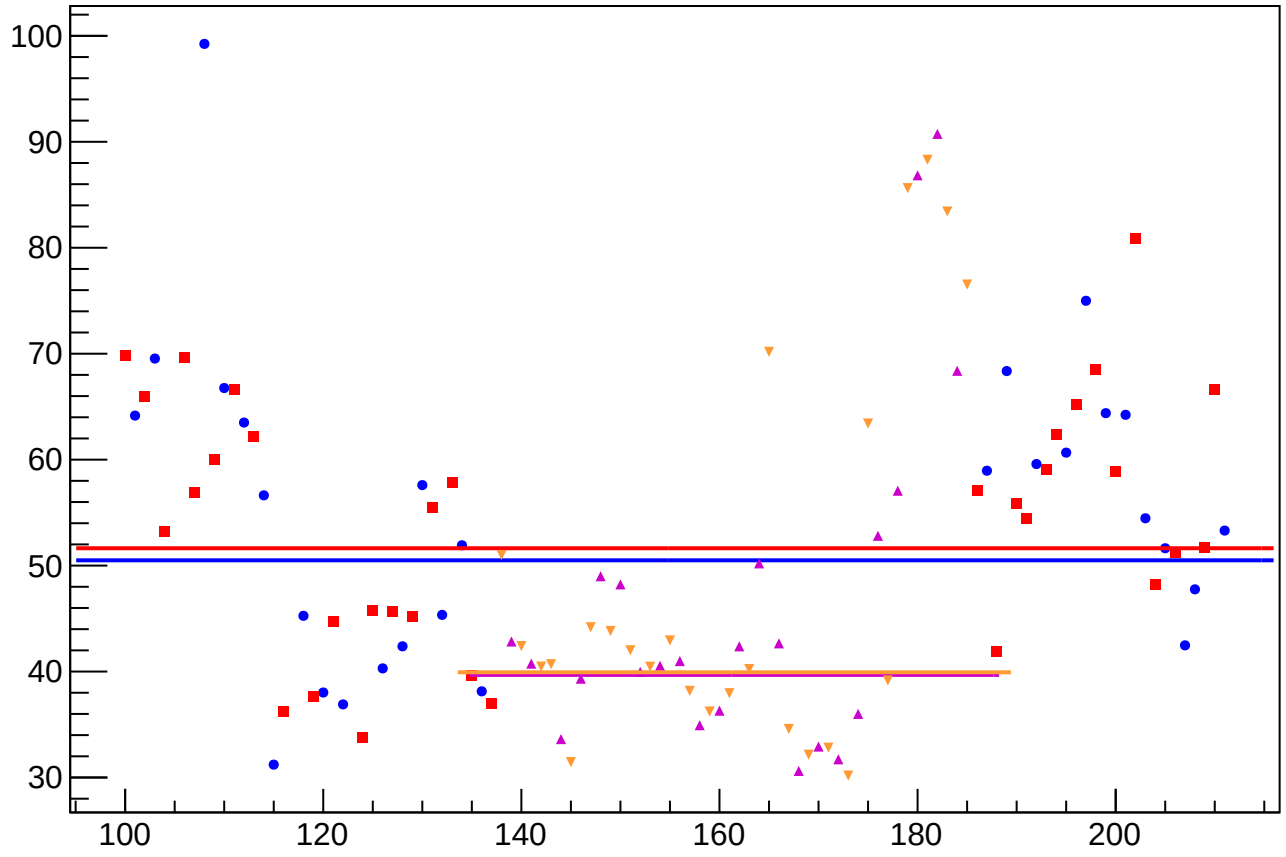
Right Out: -0.009+/-0.013 χ^2/NDF: 20.1/32

Left In: -0.007+/-0.010 χ^2/NDF:30.4/22

+ sign -0.000+/-0.008 χ^2/NDF: 61.8/52

All: -0.004+/-0.005 χ^2/NDF: 112.8/108

- sign -0.008+/-0.008 χ^2/NDF: 50.6/55



Right In: 50.499+/-0.009 χ^2/NDF: 1590754.8/27

Left Out: 39.930+/-0.007 χ^2/NDF:2475527.1/24

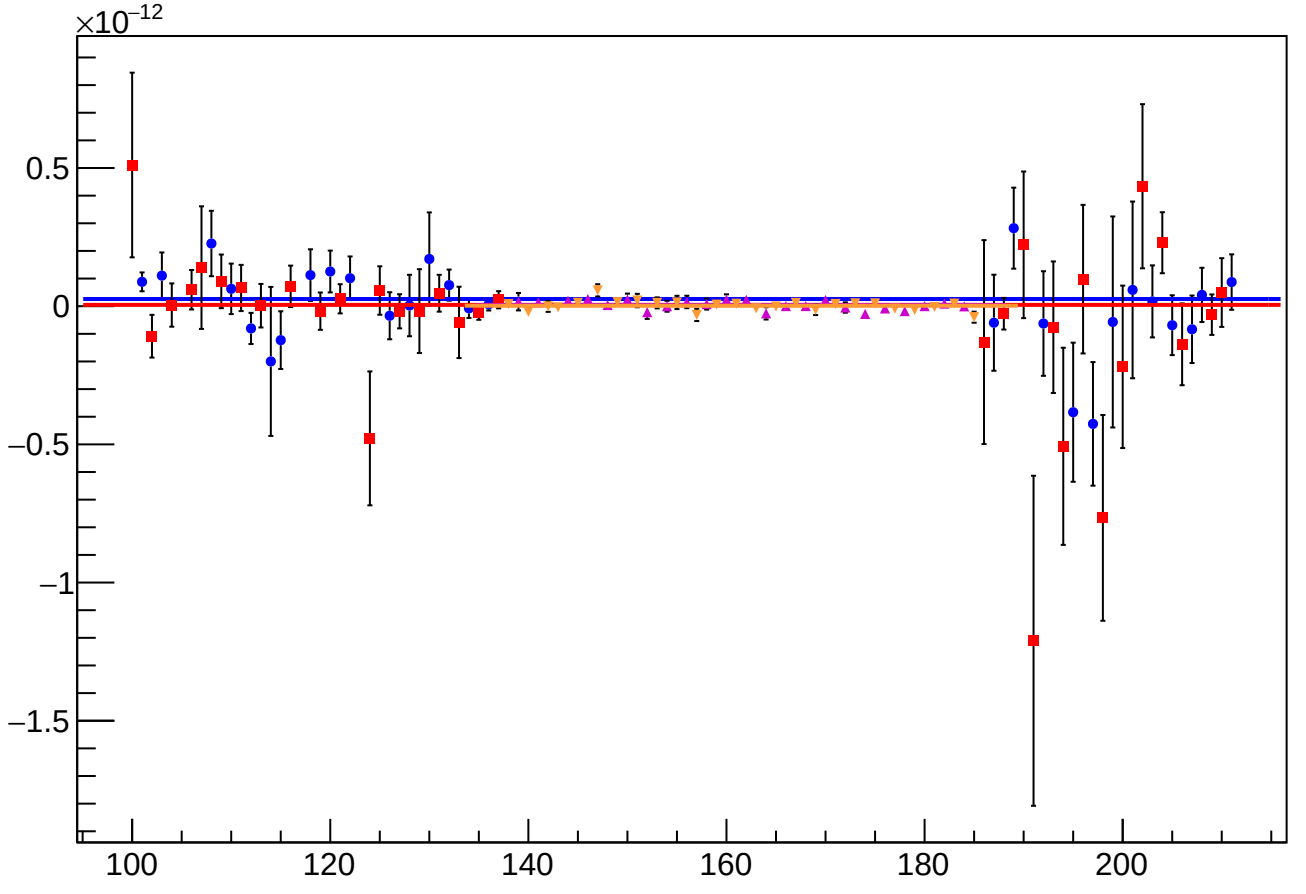
Right Out: 51.638+/-0.009 χ^2/NDF: 1444138.0/32

Left In: 39.685+/-0.007 χ^2/NDF:1915901.2/22

+ sign 43.653+/-0.005 χ^2/NDF: 4925142.5/52

All: 43.900+/-0.004 χ^2/NDF: 9405948.4/108

- sign 44.149+/-0.005 χ^2/NDF: 4476678.5/55



Right In: 0.000+/-0.000 χ^2/NDF: 33.2/27

Left Out: 0.000+/-0.000 χ^2/NDF:28.0/24

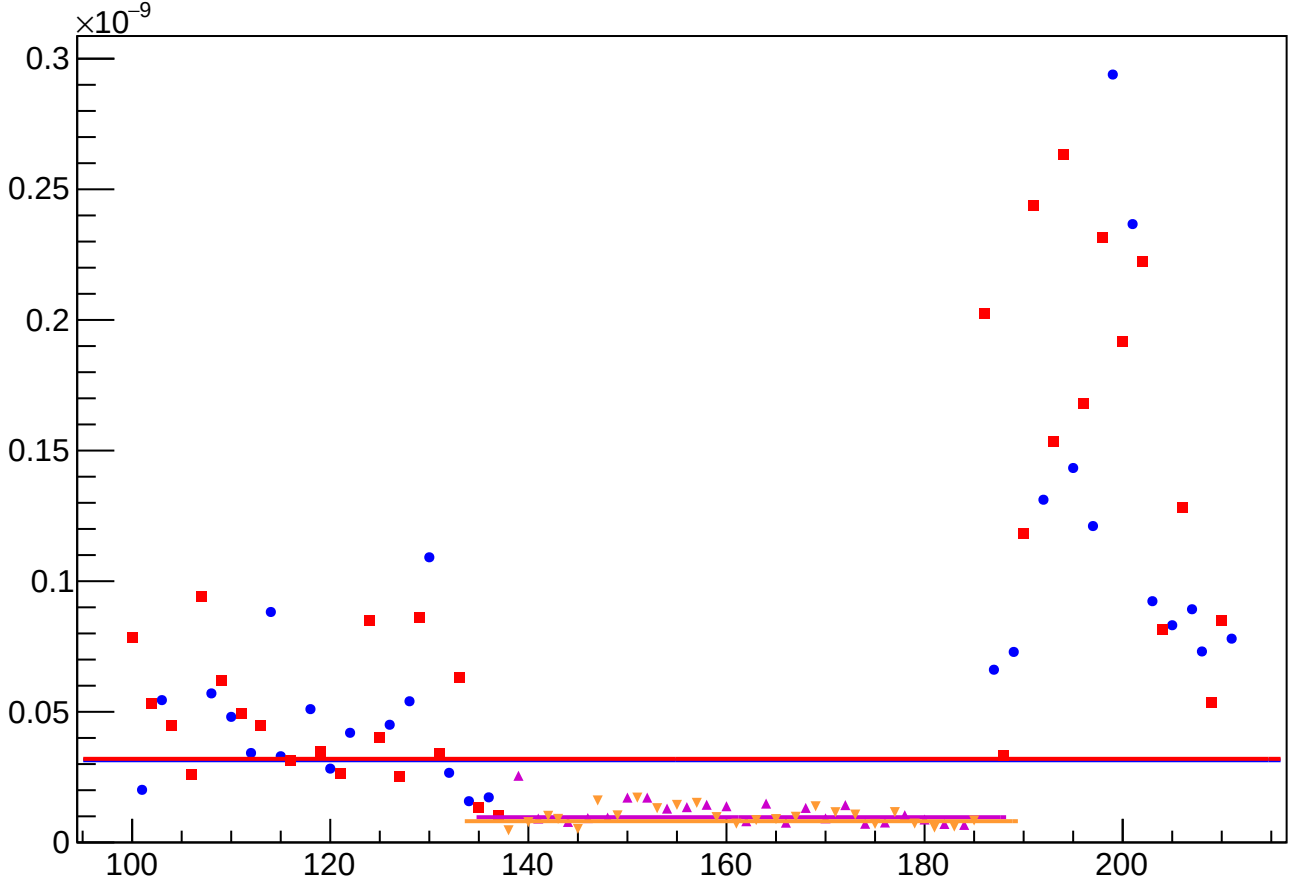
Right Out: 0.000+/-0.000 χ^2/NDF: 34.2/32

Left In: 0.000+/-0.000 χ^2/NDF:27.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 64.7/52

All: 0.000+/-0.000 χ^2/NDF: 126.5/108

- sign 0.000+/-0.000 χ^2/NDF: 61.7/55



Right In: 0.000+/-0.000 χ^2/NDF: 7954907.3/27

Left Out: 0.000+/-0.000 χ^2/NDF:2354980.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9716566.2/32

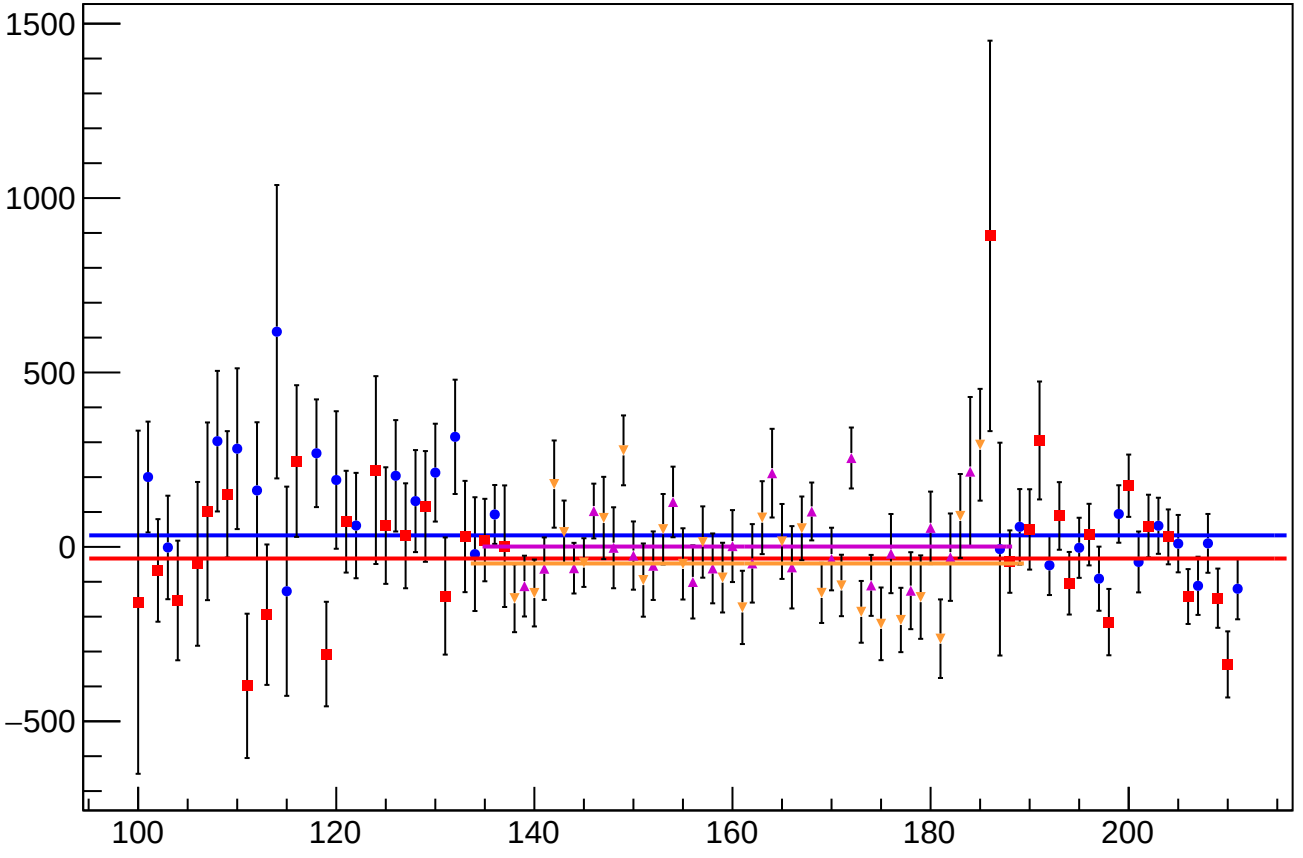
Left In: 0.000+/-0.000 χ^2/NDF:2106161.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 16633026.2/52

All: 0.000+/-0.000 χ^2/NDF: 34195671.8/108

- sign 0.000+/-0.000 χ^2/NDF: 17170758.1/55

reg_asym_sam_26_48_dd_mean vs Slug



Right In: 33.033+/-21.732 χ^2/NDF: 27.3/27

Left Out: -47.524+/-19.983 χ^2/NDF:44.0/24

Right Out: -33.301+/-21.554 χ^2/NDF: 49.2/32

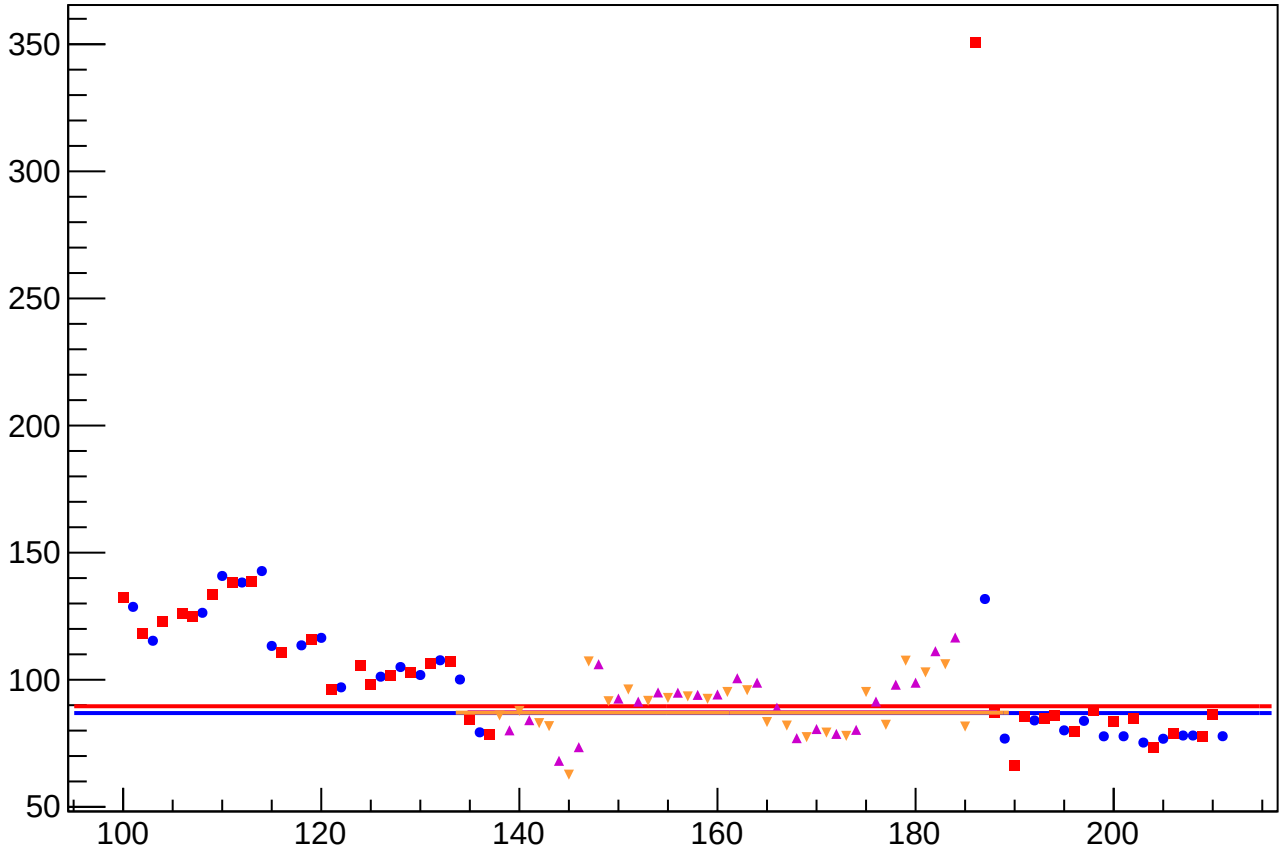
Left In: 0.986+/-20.604 χ^2/NDF:25.5/22

+ sign -10.616+/-14.710 χ^2/NDF: 78.7/52

All: -12.971+/-10.466 χ^2/NDF: 154.8/108

- sign -15.385+/-14.894 χ^2/NDF: 76.0/55

reg_asym_sam_26_48_dd_rms vs Slug



Right In: 86.900+/-0.015 χ^2/NDF: 1092923.7/27

Left Out: 87.072+/-0.014 χ^2/NDF:620626.5/24

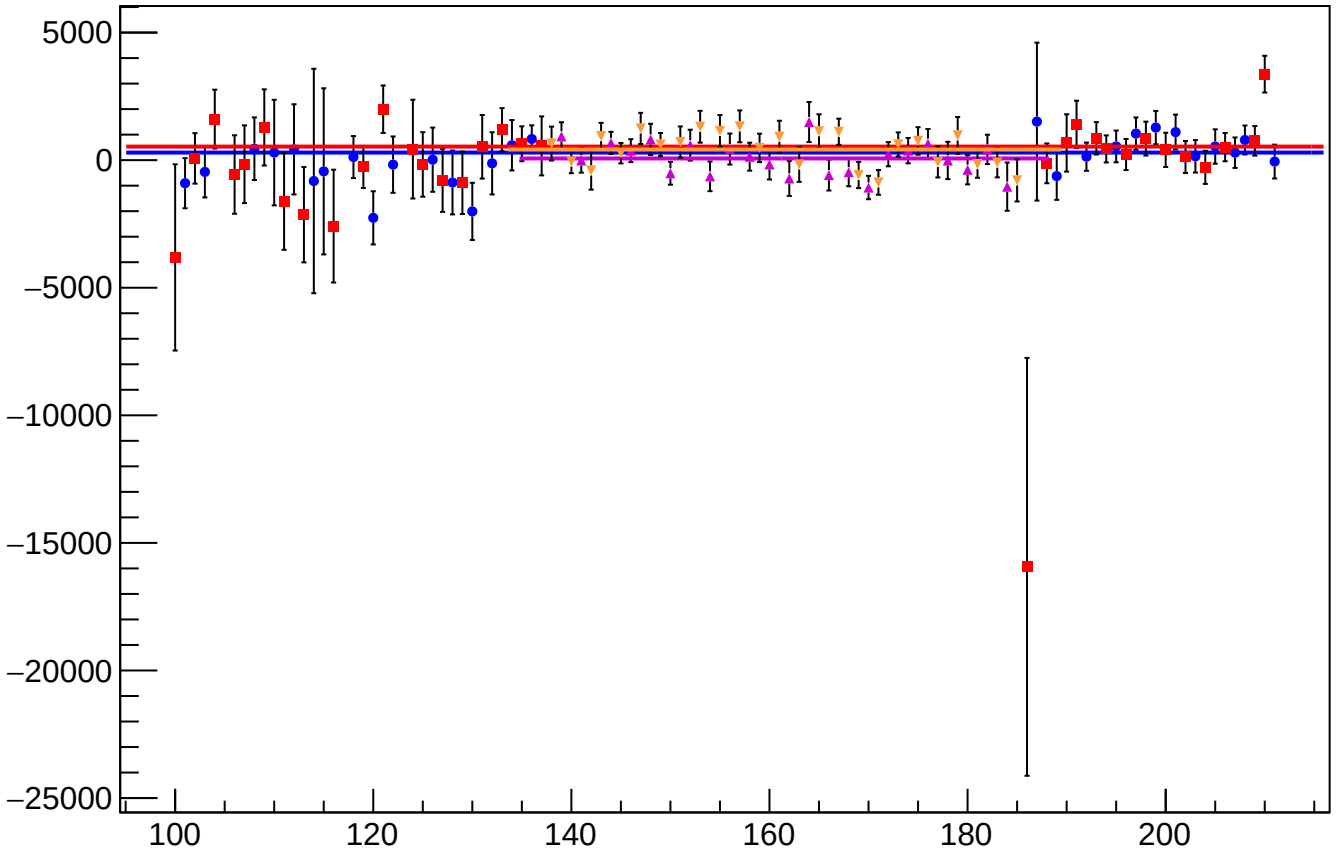
Right Out: 89.582+/-0.015 χ^2/NDF: 1518834.4/32

Left In: 87.257+/-0.015 χ^2/NDF:595793.1/22

+ sign 86.993+/-0.010 χ^2/NDF: 1713617.9/52

All: 87.671+/-0.007 χ^2/NDF: 3849017.8/108

- sign 88.367+/-0.011 χ^2/NDF: 2126787.3/55



Right In: 297.178+/-156.568 χ^2/NDF: 22.4/27

Left Out: 416.424+/-112.336 χ^2/NDF:32.4/24

Right Out: 531.227+/-151.417 χ^2/NDF: 39.8/32

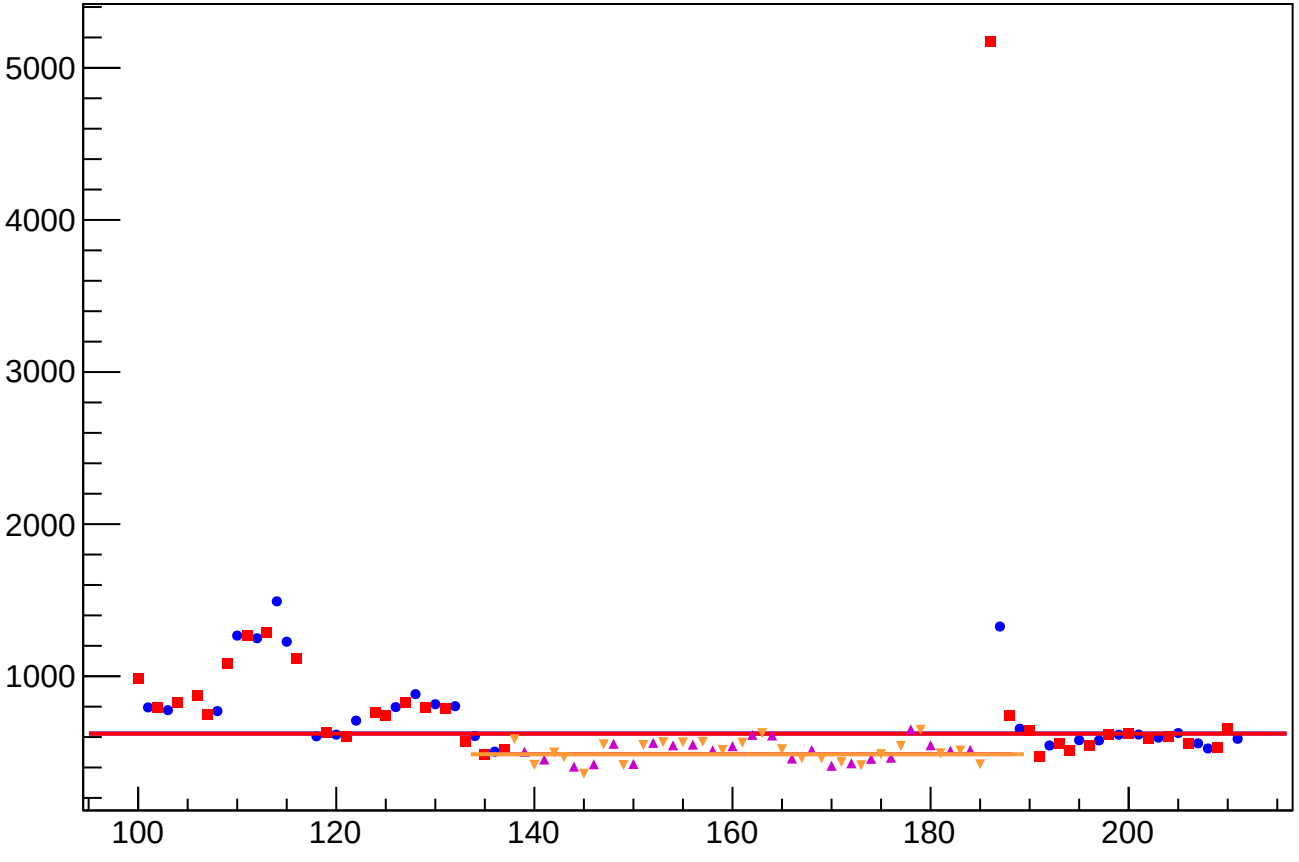
Left In: 66.675+/-115.419 χ^2/NDF:27.5/22

\+ sign 375.899+/-91.273 χ^2/NDF: 55.2/52

All: 307.043+/-64.723 χ^2/NDF: 129.6/108

\- sign 237.401+/-91.792 χ^2/NDF: 73.3/55

asym_sam_26_48_dd_reg_correction_rms vs Slug



Right In: 623.425+/-0.111 χ^2/NDF: 1327330.9/27

Left Out: 487.081+/-0.079 χ^2/NDF:821265.9/24

Right Out: 622.269+/-0.107 χ^2/NDF: 2205800.7/32

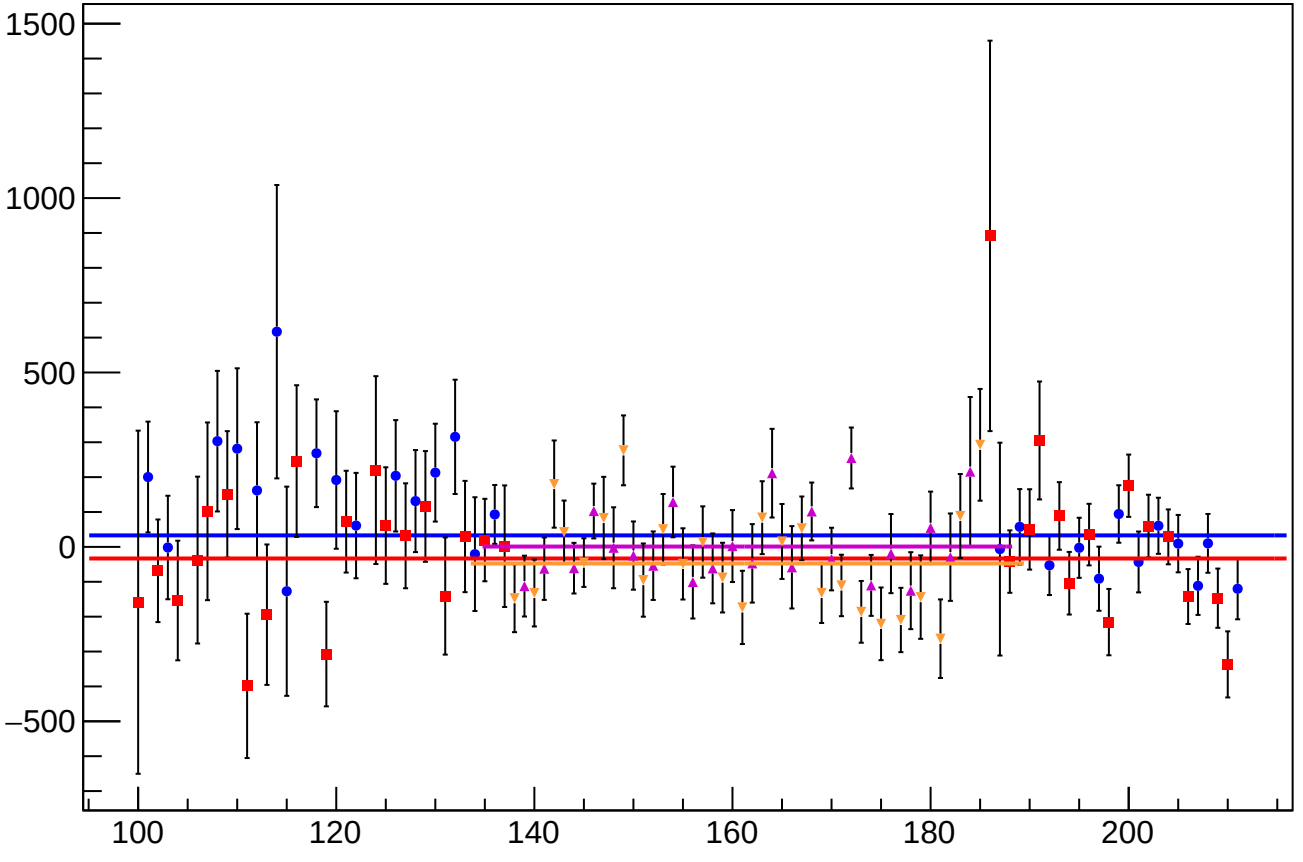
Left In: 487.930+/-0.082 χ^2/NDF:634269.5/22

+ sign 533.416+/-0.065 χ^2/NDF: 3149849.8/52

All: 535.347+/-0.046 χ^2/NDF: 6987450.7/108

- sign 537.300+/-0.065 χ^2/NDF: 3835800.2/55

cor_asym_sam_26_48_dd_mean vs Slug



Right In: 33.026+/-21.732 χ^2/NDF: 27.3/27

Left Out: -47.532+/-19.983 χ^2/NDF:44.0/24

Right Out: -33.228+/-21.557 χ^2/NDF: 49.2/32

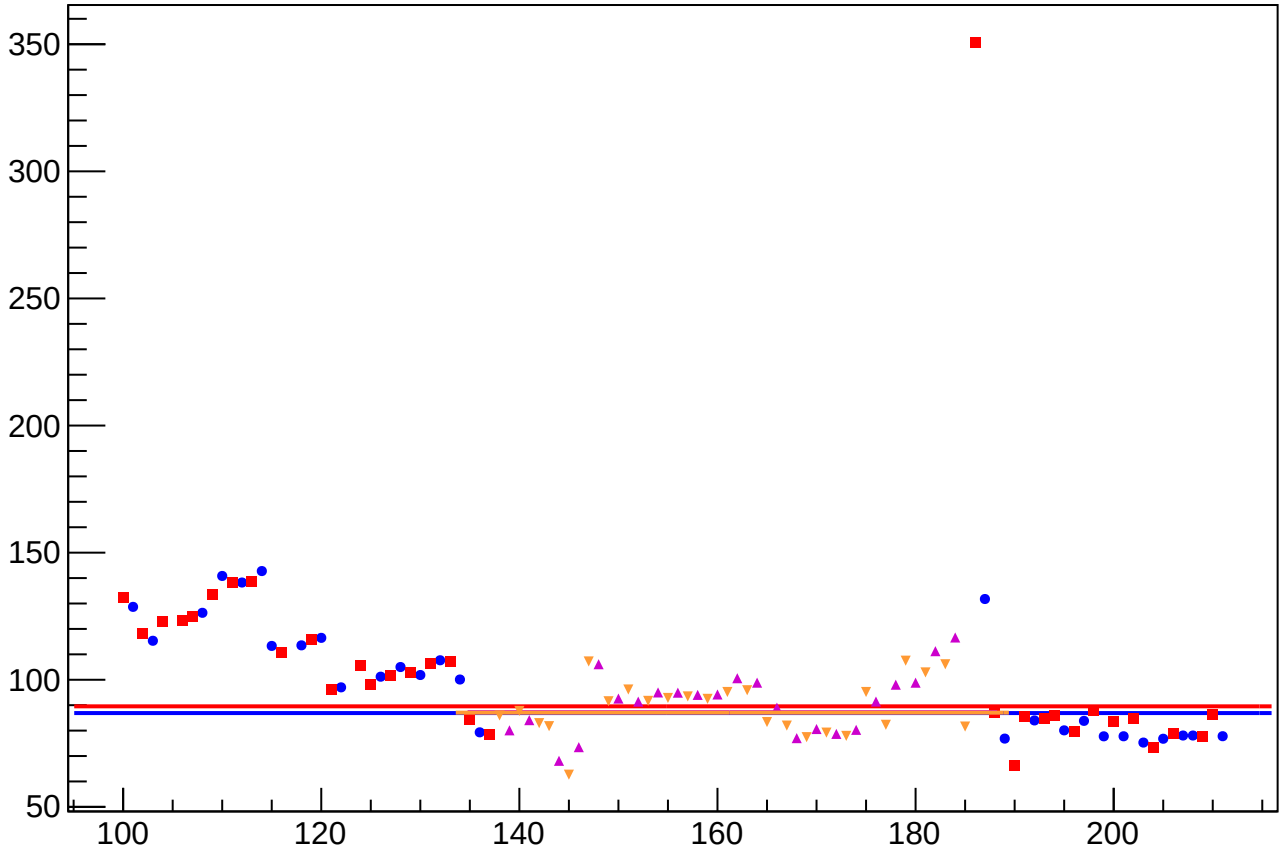
Left In: 0.988+/-20.604 χ^2/NDF:25.5/22

+ sign -10.624+/-14.710 χ^2/NDF: 78.7/52

All: -12.956+/-10.466 χ^2/NDF: 154.8/108

- sign -15.347+/-14.895 χ^2/NDF: 76.0/55

cor_asym_sam_26_48_dd_rms vs Slug



Right In: 86.900+/-0.015 χ^2/NDF: 1092924.1/27

Left Out: 87.072+/-0.014 χ^2/NDF:620626.5/24

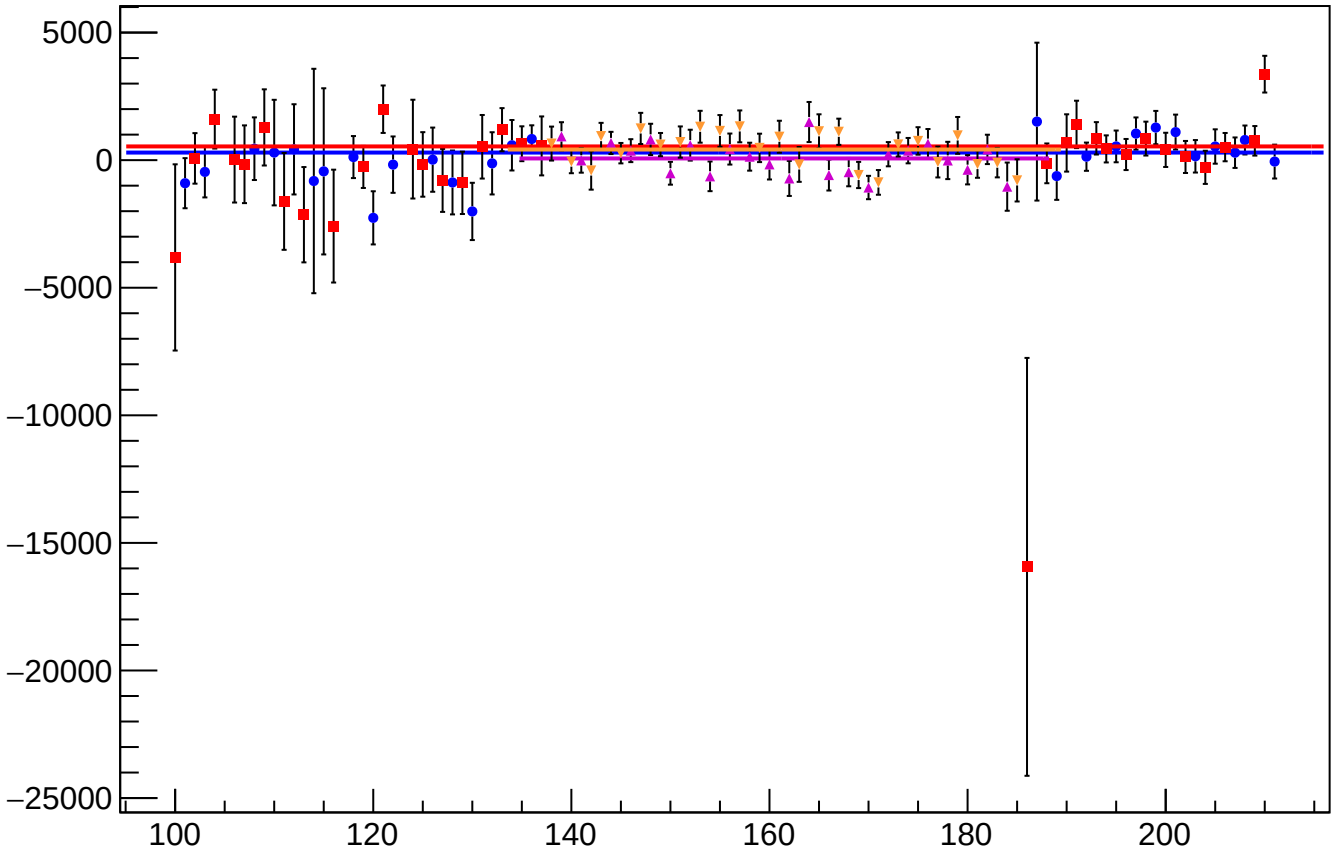
Right Out: 89.548+/-0.015 χ^2/NDF: 1510283.6/32

Left In: 87.257+/-0.015 χ^2/NDF:595793.1/22

+ sign 86.993+/-0.010 χ^2/NDF: 1713618.3/52

All: 87.663+/-0.007 χ^2/NDF: 3839911.2/108

- sign 88.350+/-0.011 χ^2/NDF: 2117884.1/55



Right In: 297.176+/-156.568 χ^2/NDF: 22.4/27

Left Out: 416.416+/-112.336 χ^2/NDF:32.4/24

Right Out: 537.729+/-151.540 χ^2/NDF: 39.4/32

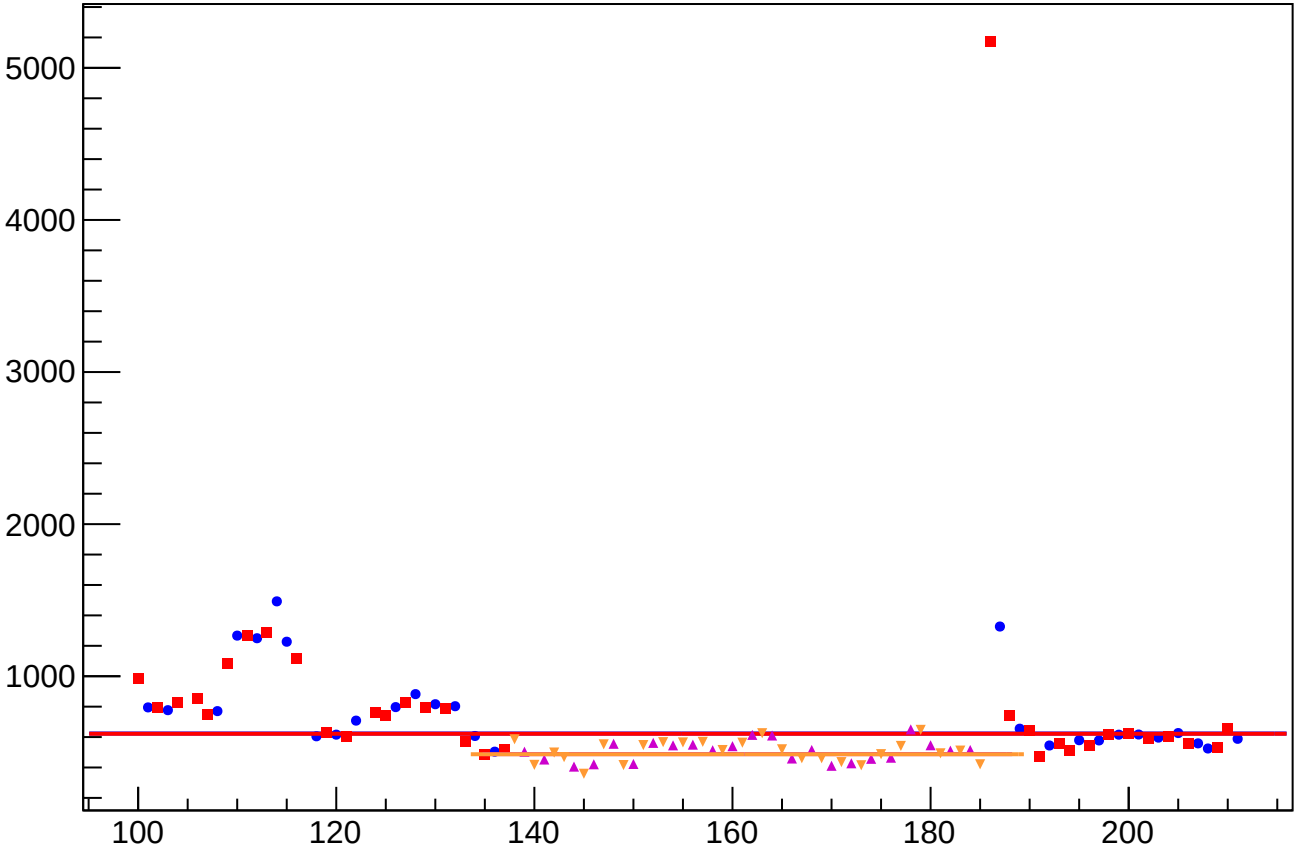
Left In: 66.674+/-115.419 χ^2/NDF:27.5/22

+ sign 375.894+/-91.273 χ^2/NDF: 55.2/52

All: 308.159+/-64.732 χ^2/NDF: 129.3/108

- sign 239.611+/-91.820 χ^2/NDF: 73.0/55

asym_sam_26_48_dd_cor_correction_rms vs Slug



Right In: 623.425+/-0.111 χ^2/NDF: 1327343.2/27

Left Out: 487.081+/-0.079 χ^2/NDF:821261.6/24

Right Out: 621.705+/-0.107 χ^2/NDF: 2190203.7/32

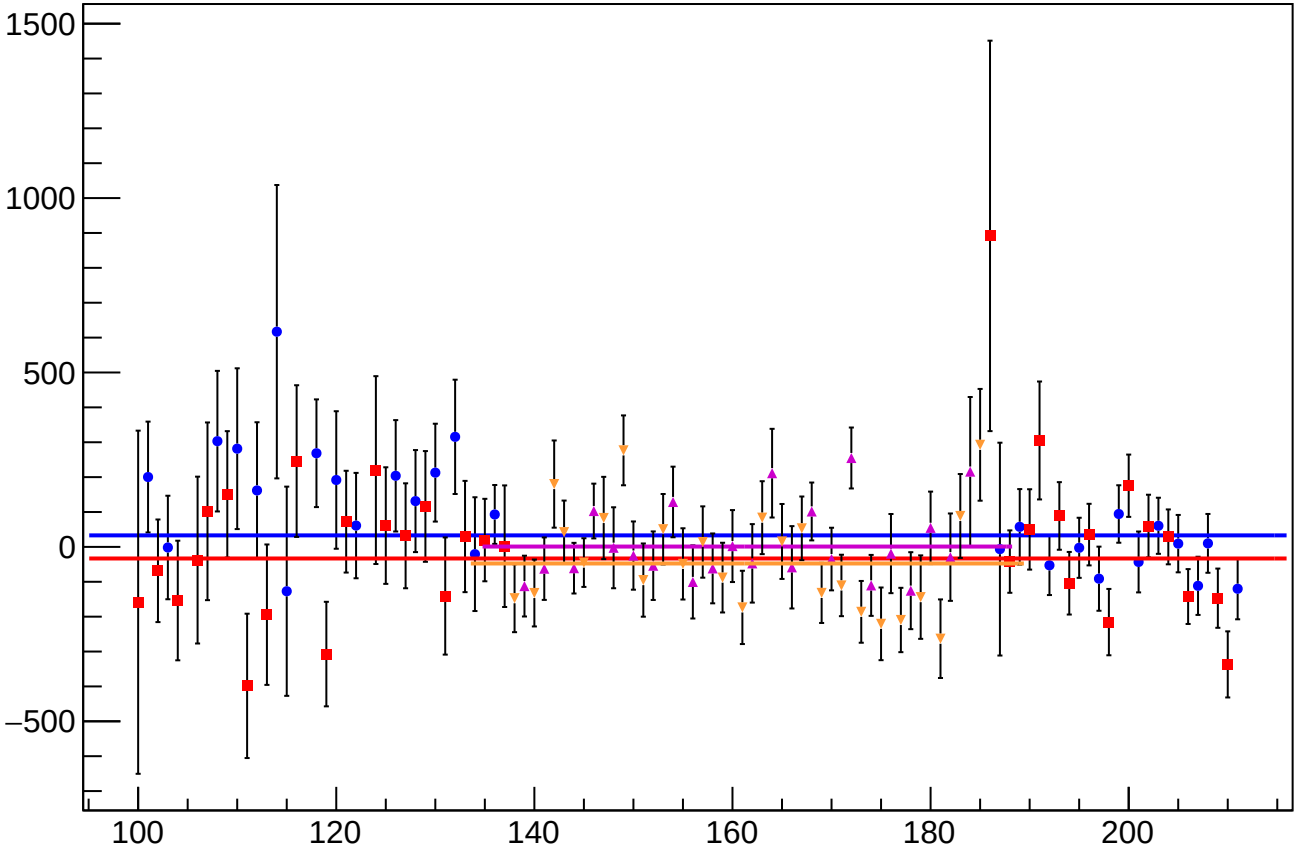
Left In: 487.930+/-0.082 χ^2/NDF:634273.3/22

+ sign 533.416+/-0.065 χ^2/NDF: 3149855.4/52

All: 535.219+/-0.046 χ^2/NDF: 6962261.6/108

- sign 537.042+/-0.065 χ^2/NDF: 3810837.5/55

eigen_cor_asym_sam_26_48_dd_mean vs Slug



Right In: 33.026+/-21.732 χ^2/NDF: 27.3/27

Left Out: -47.532+/-19.983 χ^2/NDF:44.0/24

Right Out: -33.228+/-21.557 χ^2/NDF: 49.2/32

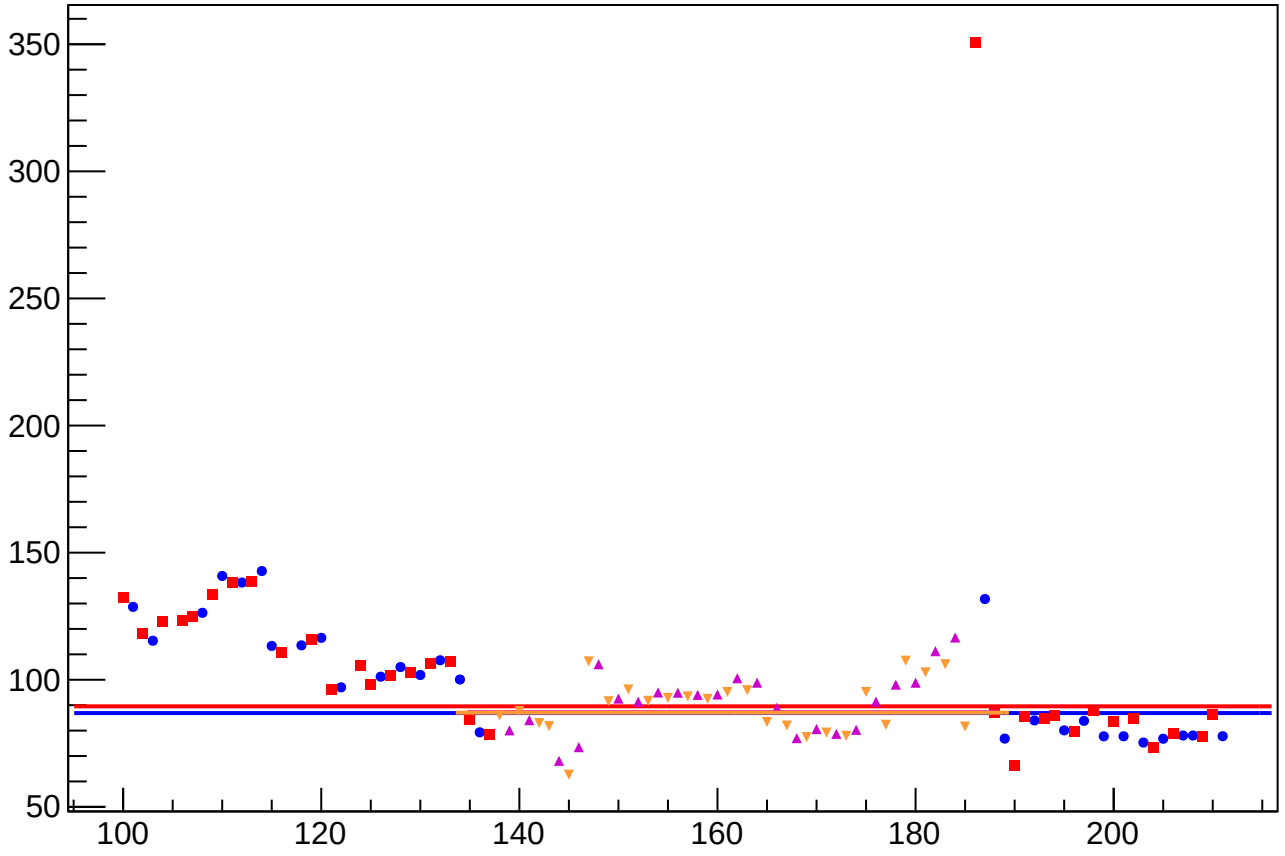
Left In: 0.988+/-20.604 χ^2/NDF:25.5/22

+ sign -10.624+/-14.710 χ^2/NDF: 78.7/52

All: -12.956+/-10.466 χ^2/NDF: 154.8/108

- sign -15.347+/-14.895 χ^2/NDF: 76.0/55

eigen_cor_asym_sam_26_48_dd_rms vs Slug



Right In: 86.900+/-0.015 χ^2/NDF: 1092924.1/27

Left Out: 87.072+/-0.014 χ^2/NDF:620626.5/24

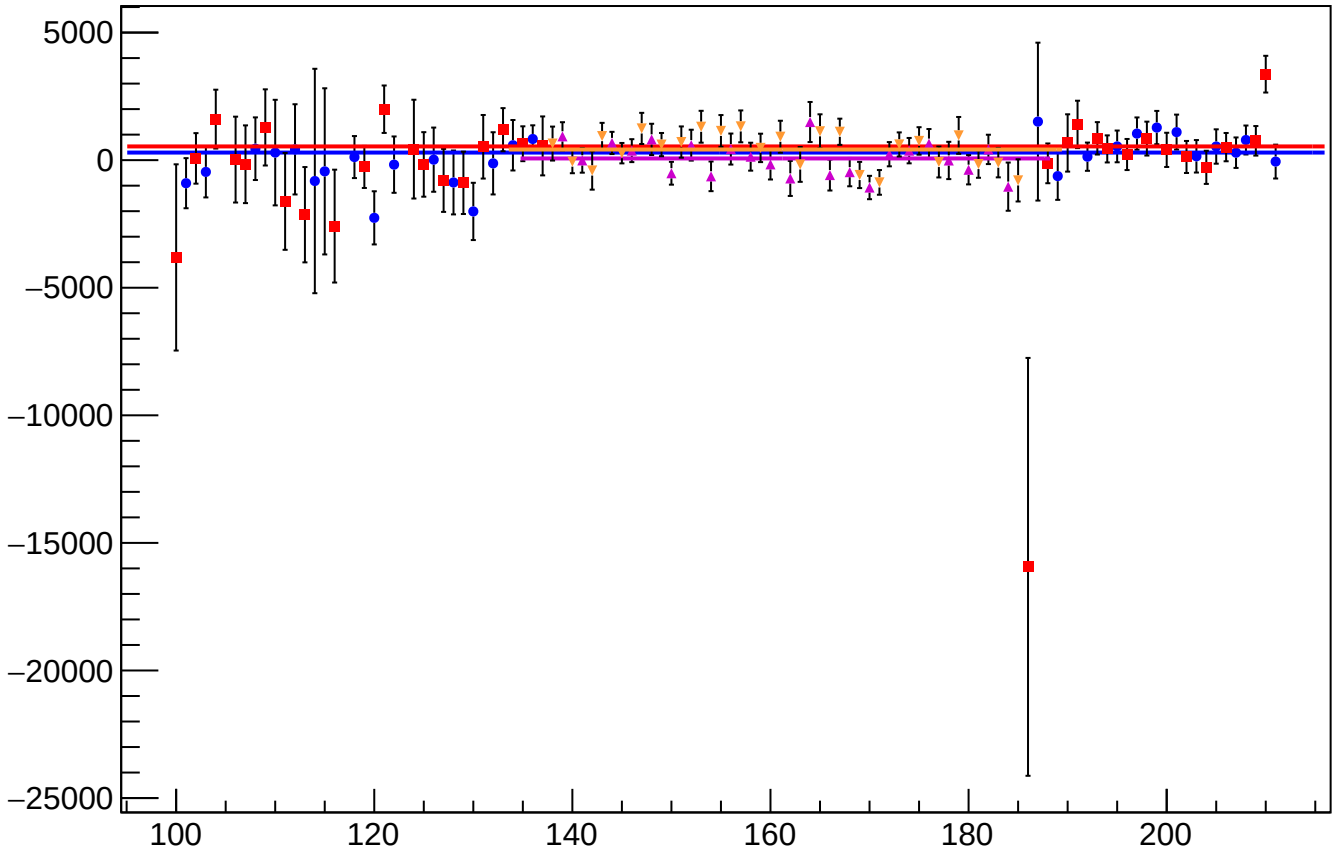
Right Out: 89.548+/-0.015 χ^2/NDF: 1510283.6/32

Left In: 87.257+/-0.015 χ^2/NDF:595793.1/22

+ sign 86.993+/-0.010 χ^2/NDF: 1713618.3/52

All: 87.663+/-0.007 χ^2/NDF: 3839911.2/108

- sign 88.350+/-0.011 χ^2/NDF: 2117884.1/55



Right In: 297.176+/-156.568 χ^2/NDF: 22.4/27

Left Out: 416.416+/-112.336 χ^2/NDF:32.4/24

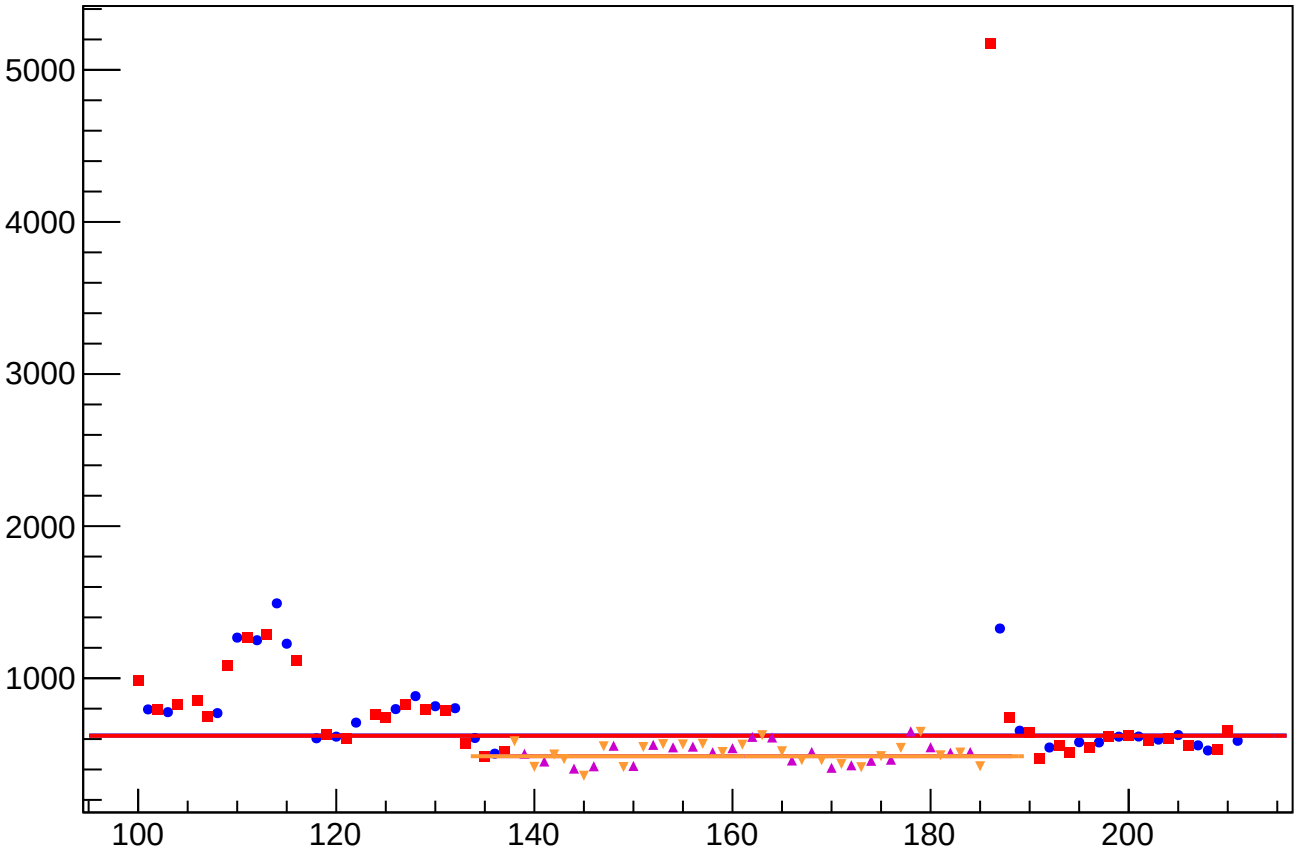
Right Out: 537.729+/-151.540 χ^2/NDF: 39.4/32

Left In: 66.674+/-115.419 χ^2/NDF:27.5/22

+ sign 375.894+/-91.273 χ^2/NDF: 55.2/52

All: 308.159+/-64.732 χ^2/NDF: 129.3/108

- sign 239.611+/-91.820 χ^2/NDF: 73.0/55



Right In: 623.425+/-0.111 χ^2/NDF: 1327343.2/27

Left Out: 487.081+/-0.079 χ^2/NDF:821261.6/24

Right Out: 621.705+/-0.107 χ^2/NDF: 2190203.7/32

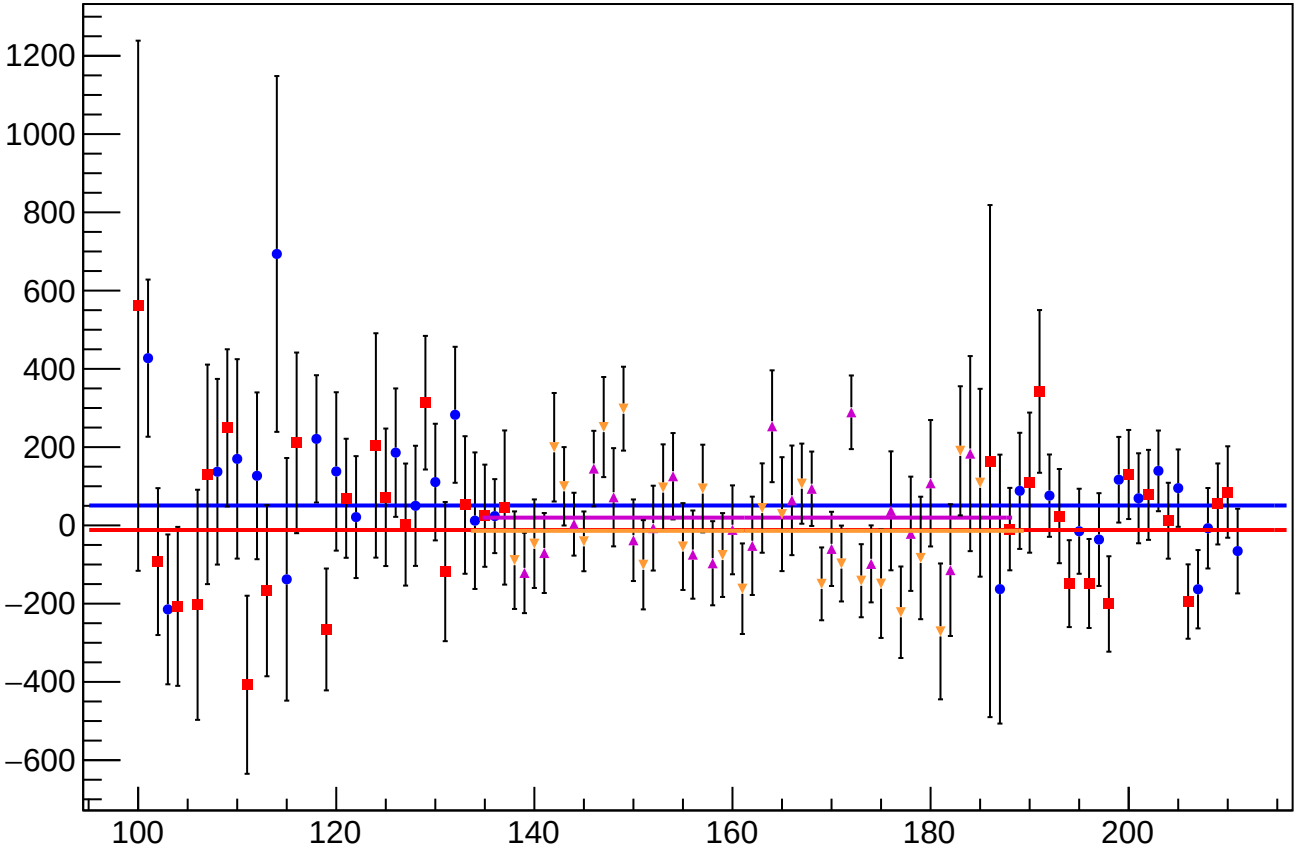
Left In: 487.930+/-0.082 χ^2/NDF:634273.3/22

+ sign 533.416+/-0.065 χ^2/NDF: 3149855.4/52

All: 535.219+/-0.046 χ^2/NDF: 6962261.6/108

- sign 537.042+/-0.065 χ^2/NDF: 3810837.5/55

dit_asym_sam_26_48_dd_mean vs Slug



Right In: 50.839+/-26.139 χ^2/NDF: 21.1/27

Left Out: -13.904+/-22.916 χ^2/NDF:36.4/24

Right Out: -11.790+/-25.875 χ^2/NDF: 32.6/32

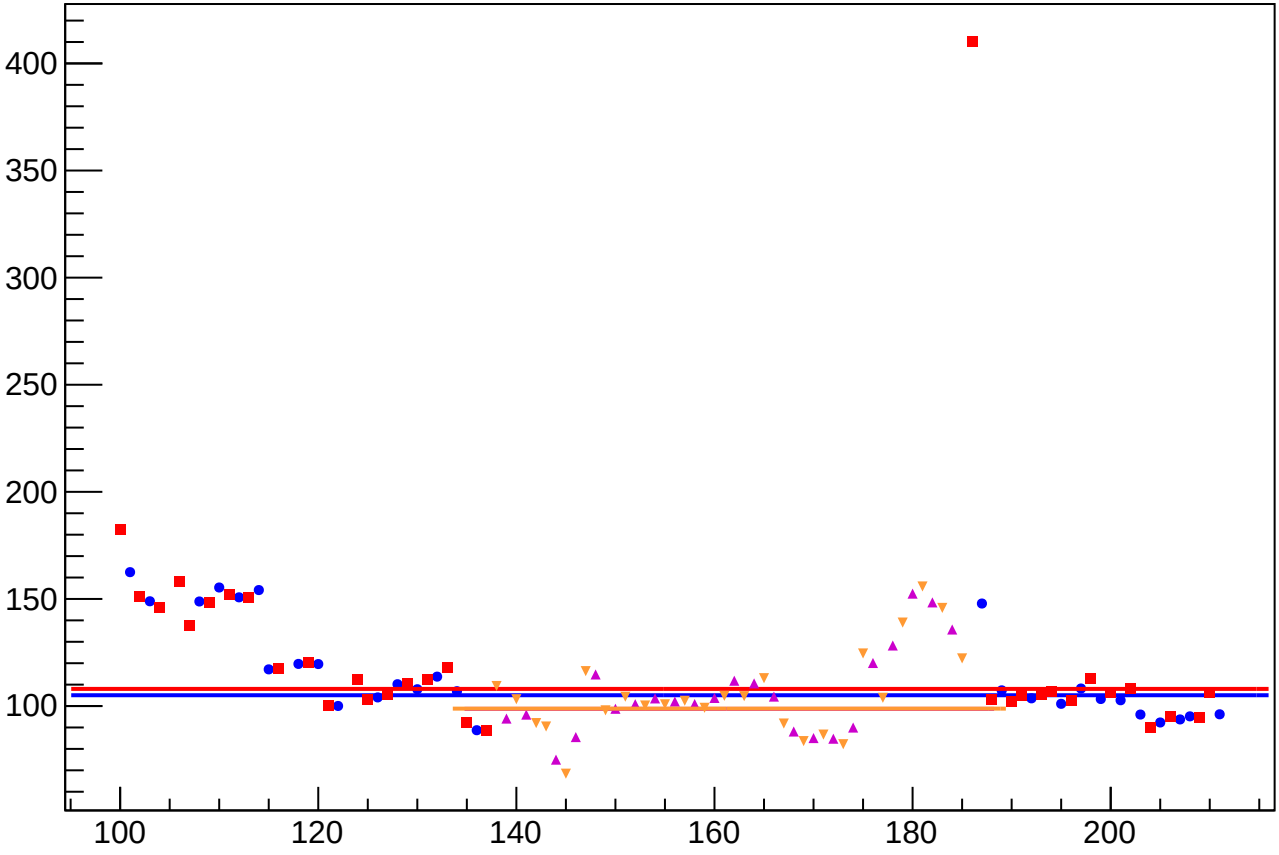
Left In: 19.805+/-23.571 χ^2/NDF:23.3/22

+ sign 14.232+/-17.232 χ^2/NDF: 61.0/52

All: 9.903+/-12.252 χ^2/NDF: 117.8/108

- sign 5.477+/-17.425 χ^2/NDF: 56.7/55

dit_asym_sam_26_48_dd_rms vs Slug



Right In: 105.050+/-0.018 χ^2/NDF: 772549.0/27

Left Out: 98.799+/-0.016 χ^2/NDF:1185806.0/24

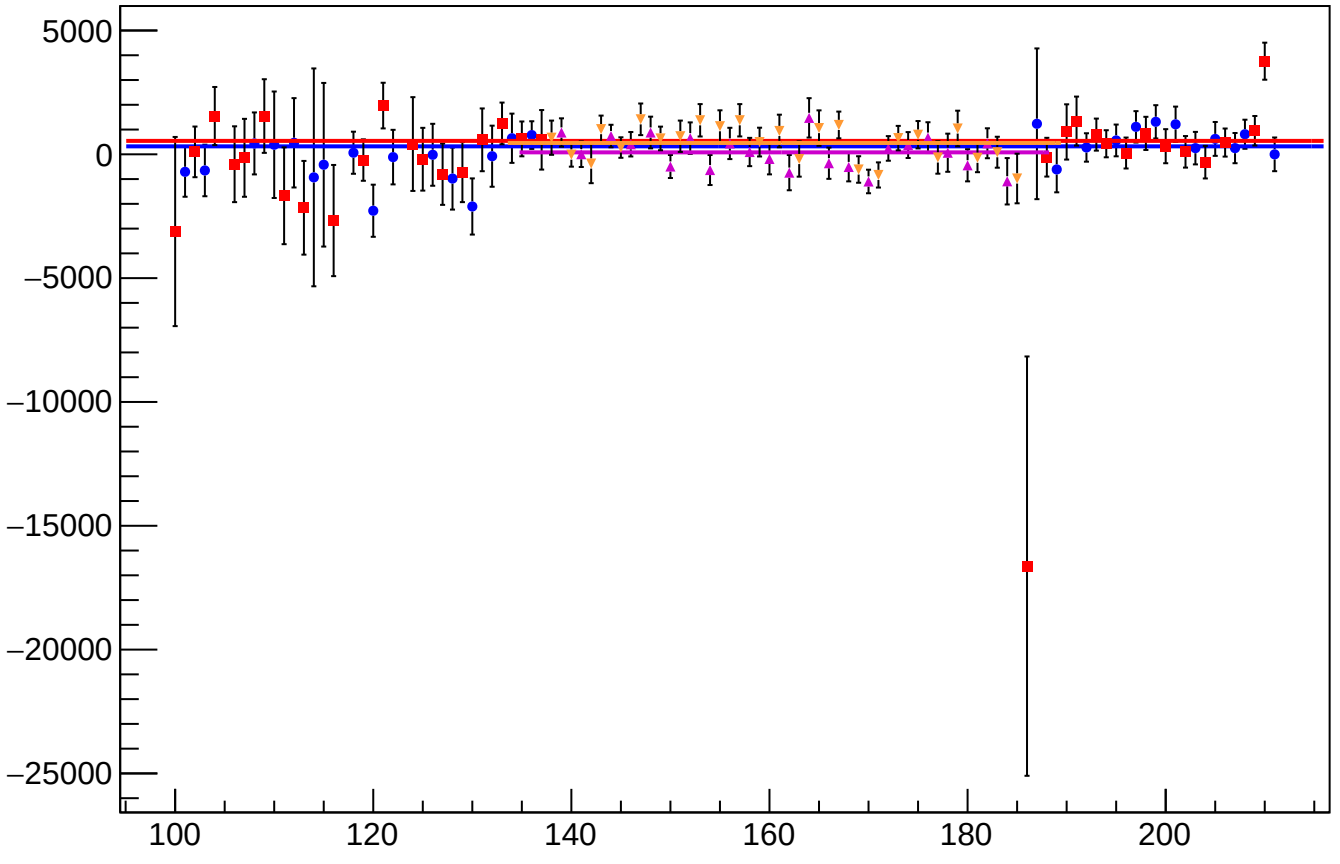
Right Out: 108.009+/-0.018 χ^2/NDF: 1174571.6/32

Left In: 98.673+/-0.017 χ^2/NDF:987817.0/22

+ sign 101.516+/-0.012 χ^2/NDF: 2023041.7/52

All: 102.204+/-0.009 χ^2/NDF: 4334183.9/108

- sign 102.907+/-0.012 χ^2/NDF: 2304694.8/55



Right In: 321.290+/-160.342 χ^2/NDF: 22.7/27

Left Out: 459.094+/-118.111 χ^2/NDF:30.8/24

Right Out: 542.344+/-154.370 χ^2/NDF: 42.7/32

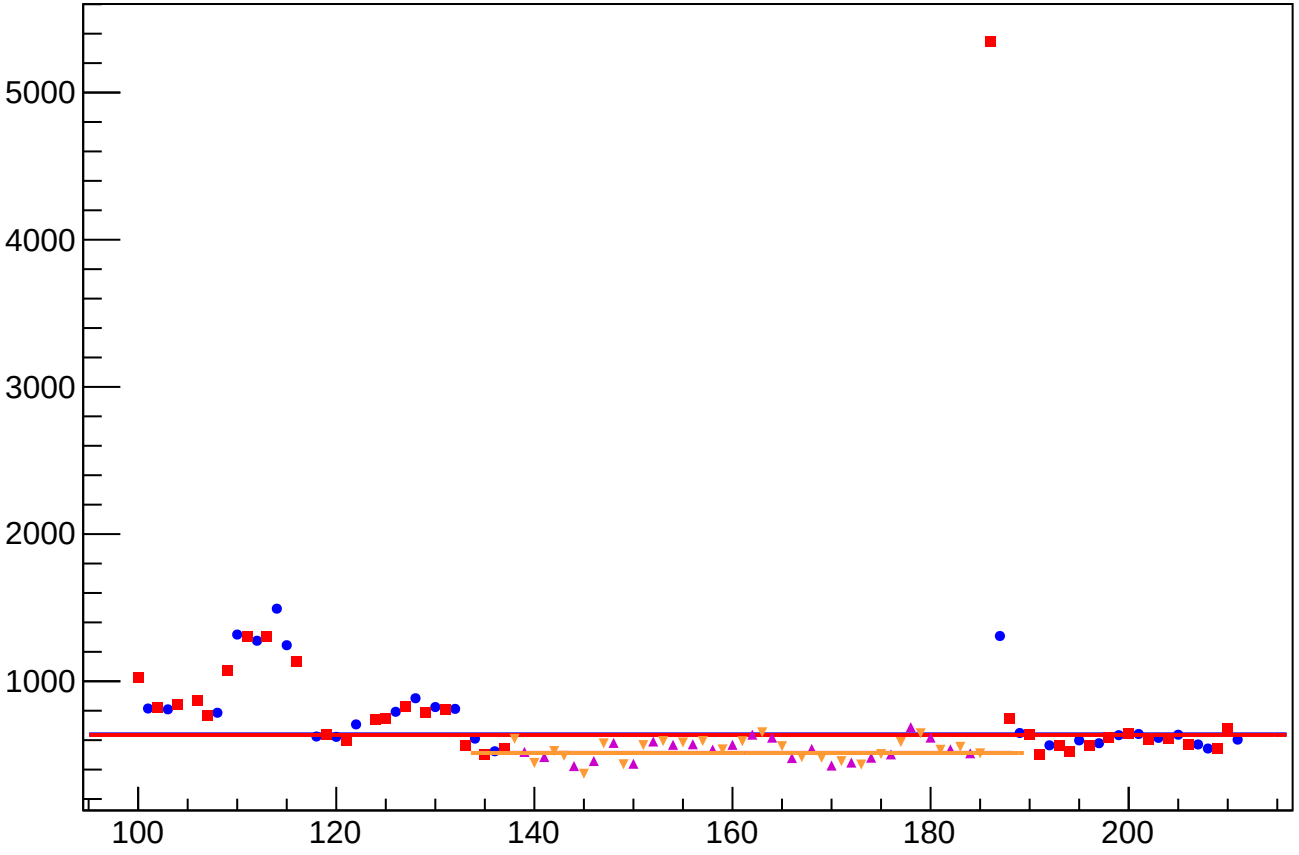
Left In: 78.791+/-121.436 χ^2/NDF:26.2/22

+ sign 410.622+/-95.096 χ^2/NDF: 54.0/52

All: 333.590+/-67.366 χ^2/NDF: 129.8/108

- sign 255.994+/-95.444 χ^2/NDF: 74.5/55

asym_sam_26_48_dd_dit_correction_rms vs Slug



Right In: 639.234+/-0.113 χ^2/NDF: 1270983.2/27

Left Out: 512.768+/-0.084 χ^2/NDF:799239.4/24

Right Out: 635.299+/-0.109 χ^2/NDF: 2134470.8/32

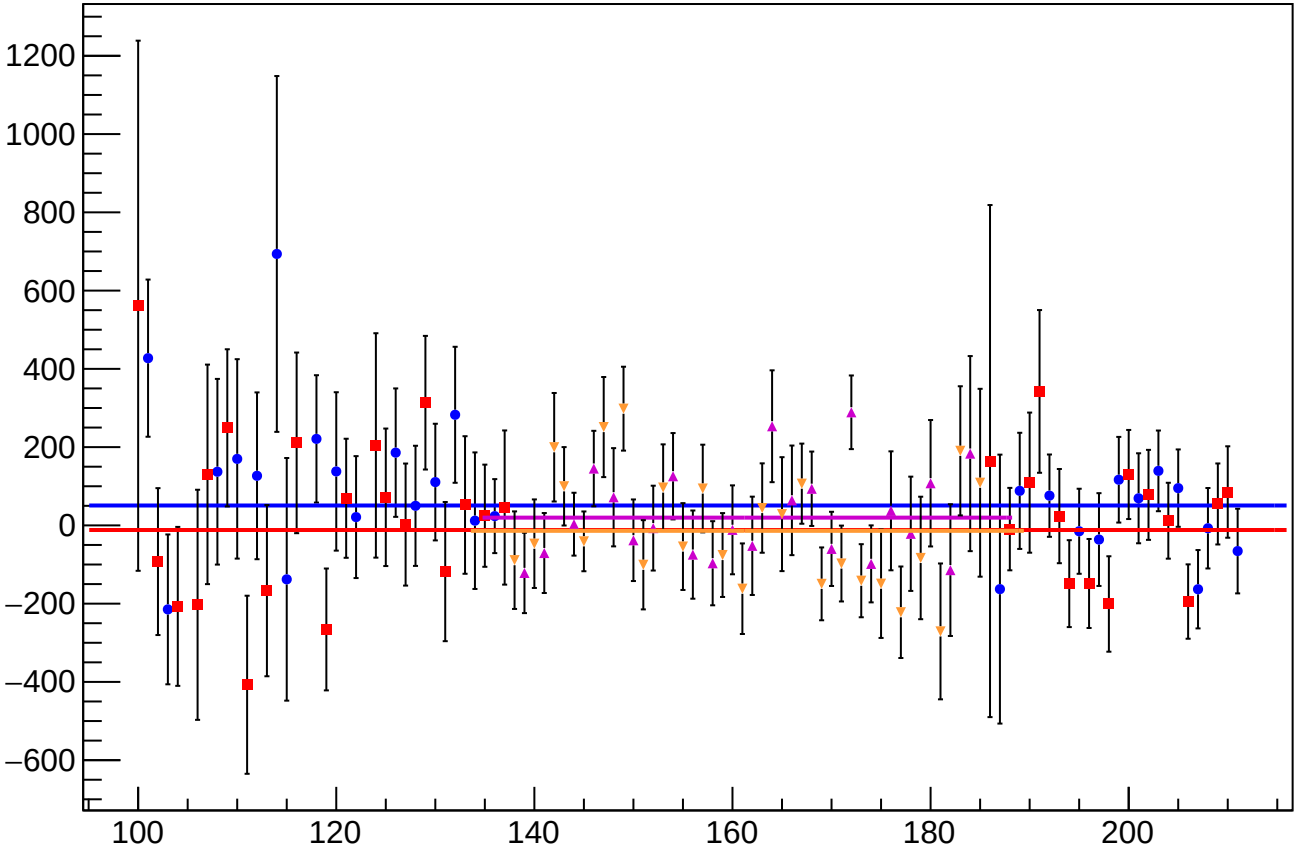
Left In: 513.375+/-0.086 χ^2/NDF:634000.2/22

+ sign 557.252+/-0.067 χ^2/NDF: 2876758.6/52

All: 558.613+/-0.048 χ^2/NDF: 6416753.2/108

- sign 559.983+/-0.067 χ^2/NDF: 3539173.2/55

eigen_dit_asym_sam_26_48_dd_mean vs Slug



Right In: 50.839+/-26.139 χ^2/NDF: 21.1/27

Left Out: -13.906+/-22.916 χ^2/NDF:36.4/24

Right Out: -11.791+/-25.875 χ^2/NDF: 32.6/32

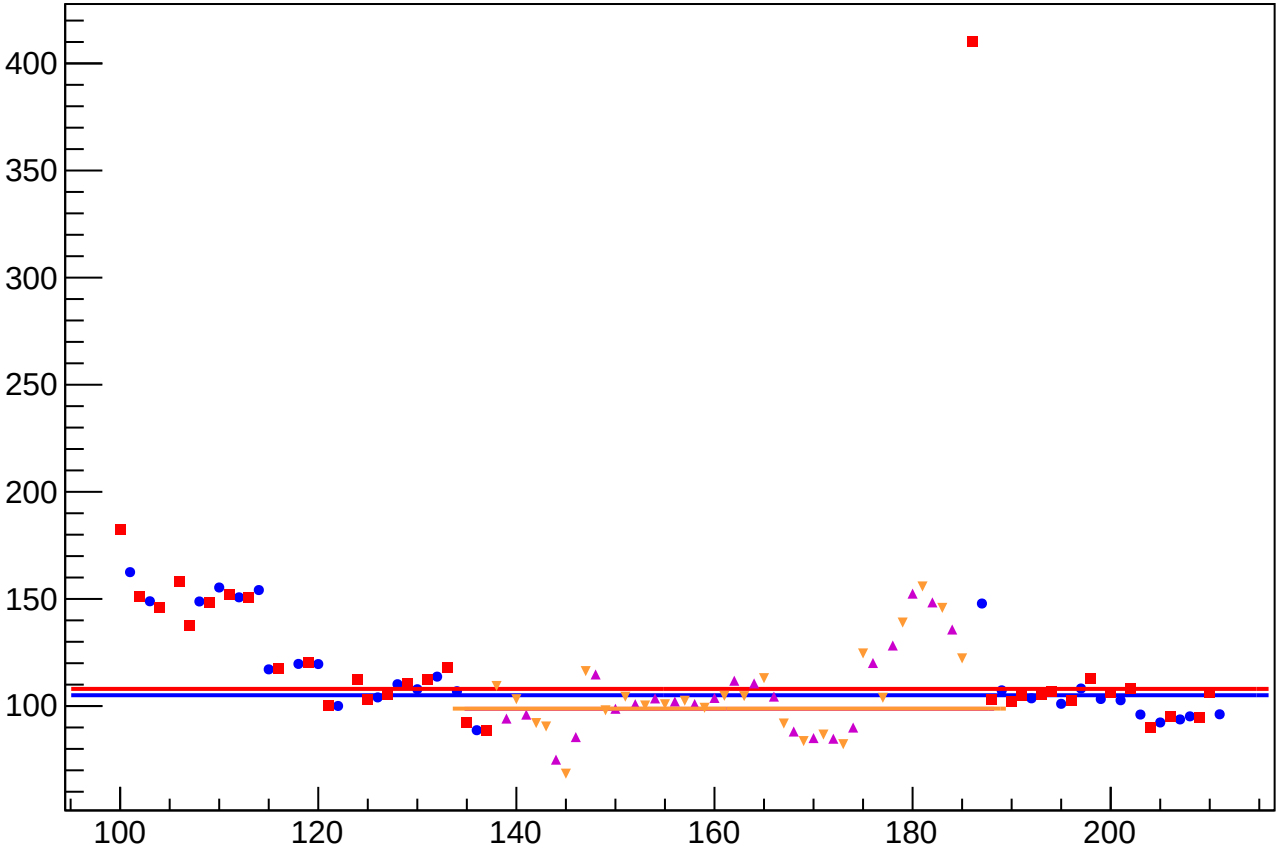
Left In: 19.805+/-23.571 χ^2/NDF:23.3/22

+ sign 14.231+/-17.232 χ^2/NDF: 61.0/52

All: 9.903+/-12.252 χ^2/NDF: 117.8/108

- sign 5.476+/-17.425 χ^2/NDF: 56.7/55

eigen_dit_asym_sam_26_48_dd_rms vs Slug



Right In: 105.050+/-0.018 χ^2/NDF: 772539.4/27

Left Out: 98.799+/-0.016 χ^2/NDF:1185809.9/24

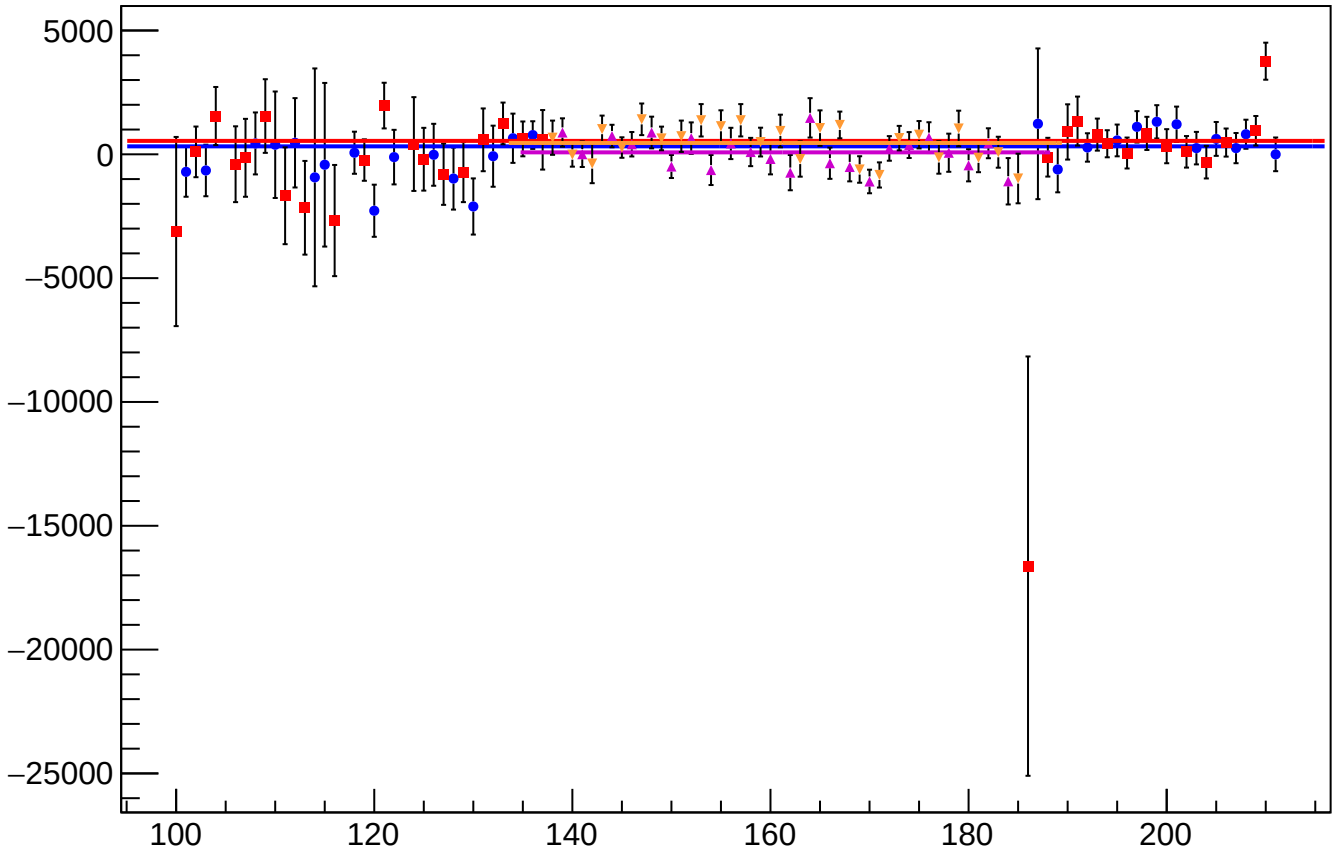
Right Out: 108.009+/-0.018 χ^2/NDF: 1174558.8/32

Left In: 98.673+/-0.017 χ^2/NDF:987808.4/22

+ sign 101.516+/-0.012 χ^2/NDF: 2023038.6/52

All: 102.204+/-0.009 χ^2/NDF: 4334162.0/108

- sign 102.907+/-0.012 χ^2/NDF: 2304675.7/55



Right In: 321.290+/-160.342 χ^2/NDF: 22.7/27

Left Out: 459.092+/-118.111 χ^2/NDF:30.8/24

Right Out: 542.342+/-154.370 χ^2/NDF: 42.7/32

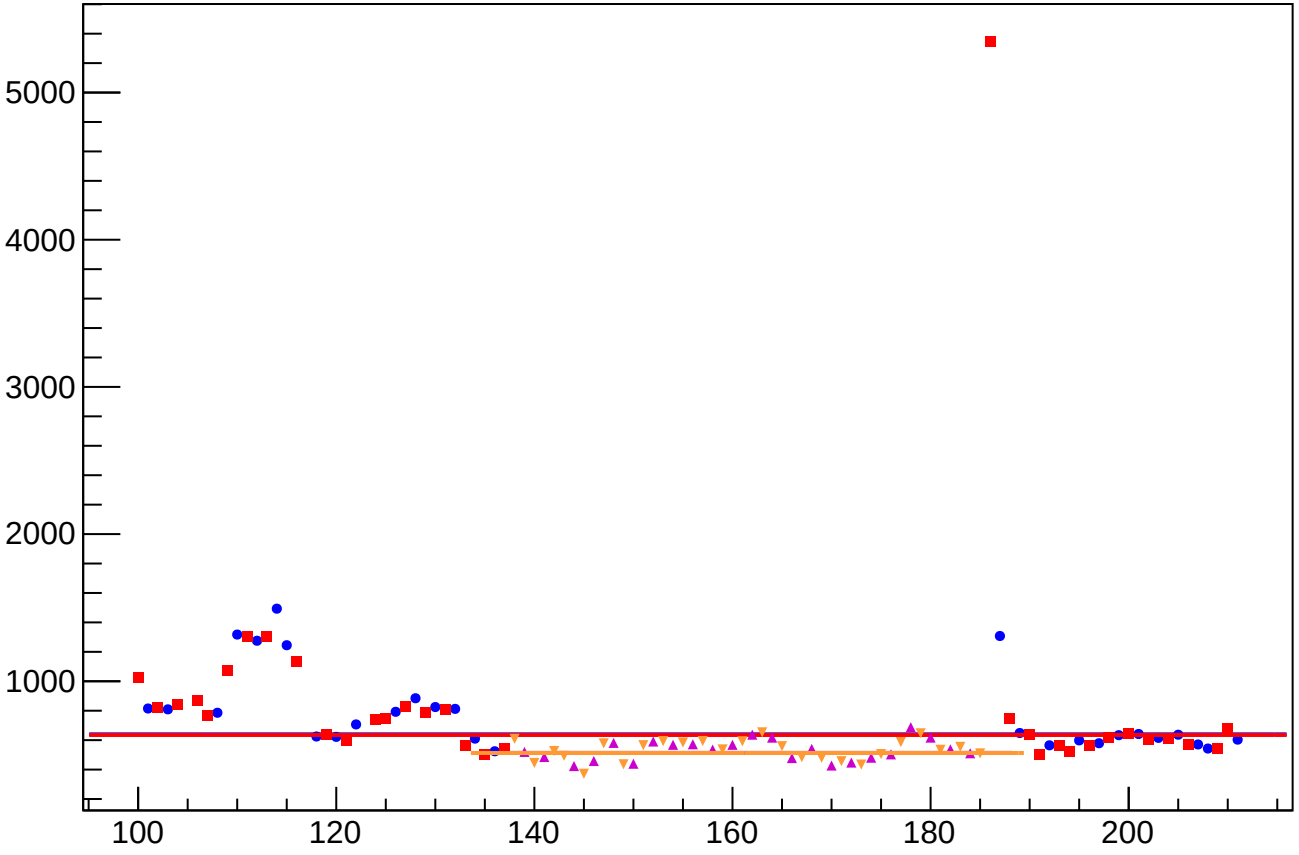
Left In: 78.791+/-121.436 χ^2/NDF:26.2/22

+ sign 410.620+/-95.096 χ^2/NDF: 54.0/52

All: 333.589+/-67.366 χ^2/NDF: 129.8/108

- sign 255.993+/-95.444 χ^2/NDF: 74.5/55

asym_sam_26_48_dd_eigen_dit_correction_rms vs Slug



Right In: 639.233+/-0.113 χ^2/NDF: 1270979.3/27

Left Out: 512.768+/-0.084 χ^2/NDF:799239.0/24

Right Out: 635.298+/-0.109 χ^2/NDF: 2134466.4/32

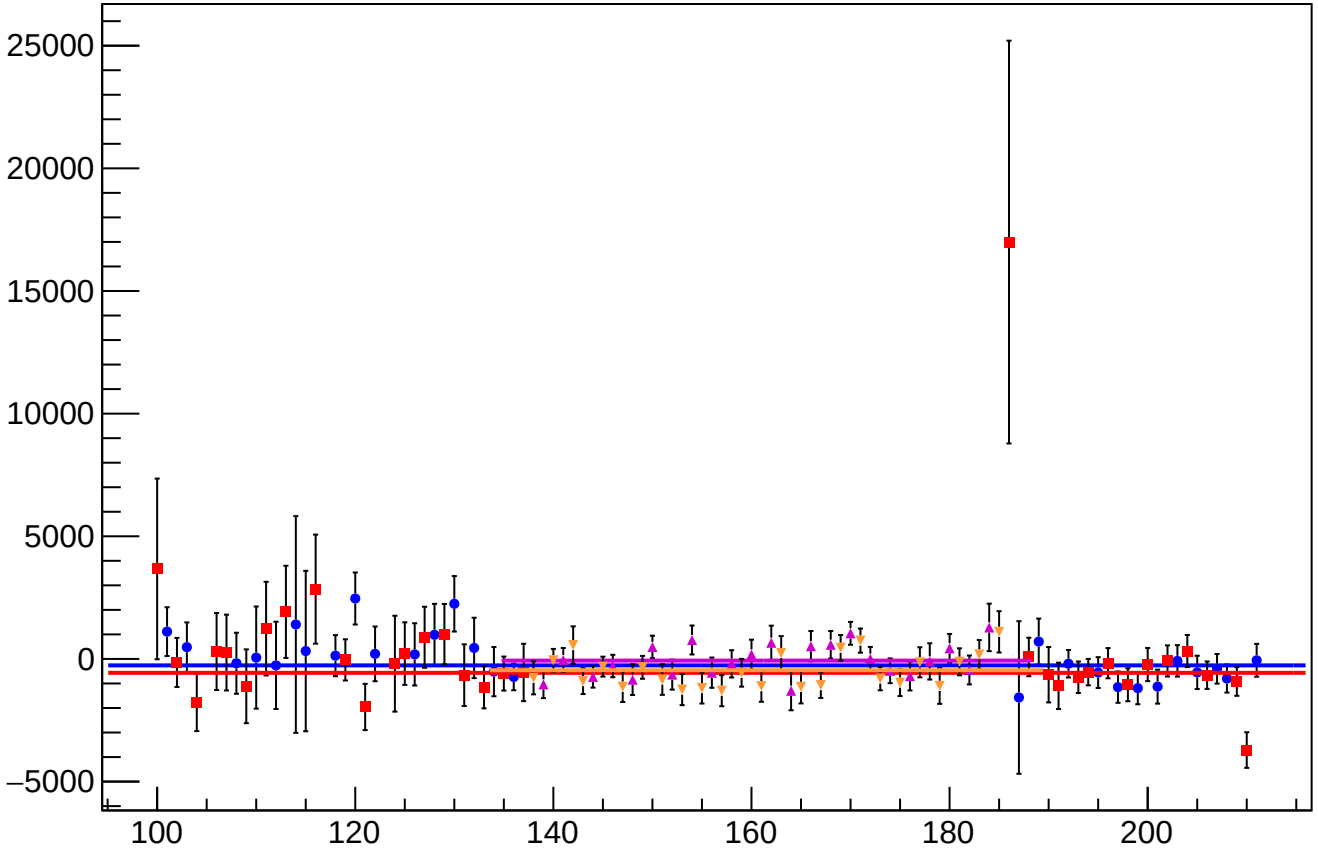
Left In: 513.374+/-0.086 χ^2/NDF:633997.9/22

+ sign 557.252+/-0.067 χ^2/NDF: 2876749.6/52

All: 558.612+/-0.048 χ^2/NDF: 6416726.9/108

- sign 559.982+/-0.067 χ^2/NDF: 3539156.0/55

asym_sam_26_48_dd_mean vs Slug



Right In: -262.624+/-158.231 χ^2/NDF: 25.1/27

Left Out: -459.862+/-114.233 χ^2/NDF:30.8/24

Right Out: -566.234+/-153.132 χ^2/NDF: 43.2/32

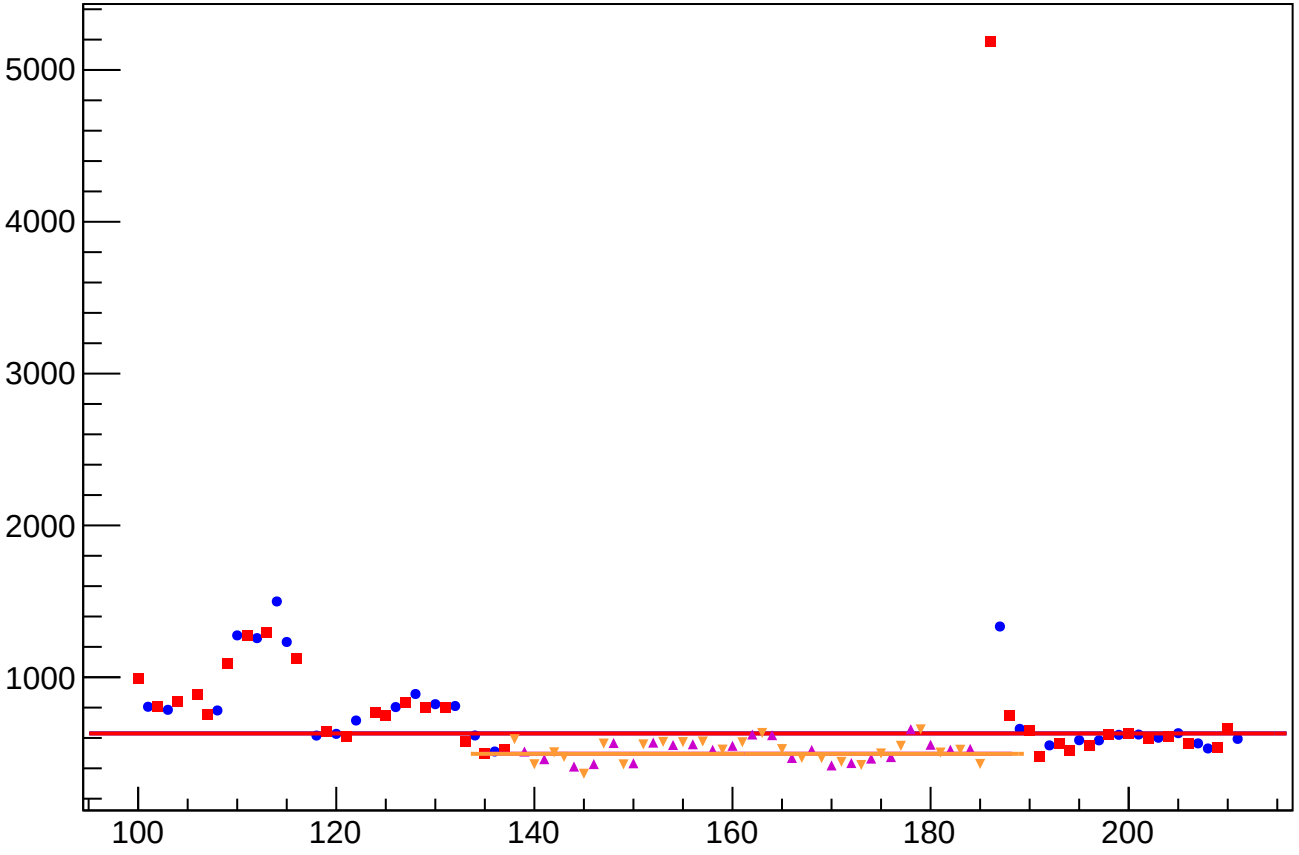
Left In: -68.043+/-117.366 χ^2/NDF:28.6/22

+ sign -392.284+/-92.619 χ^2/NDF: 56.9/52

All: -322.744+/-65.679 χ^2/NDF: 136.5/108

- sign -252.399+/-93.153 χ^2/NDF: 78.5/55

asym_sam_26_48_dd_rms vs Slug



Right In: 630.202+/-0.112 χ^2/NDF: 1316346.4/27

Left Out: 495.514+/-0.081 χ^2/NDF:804659.4/24

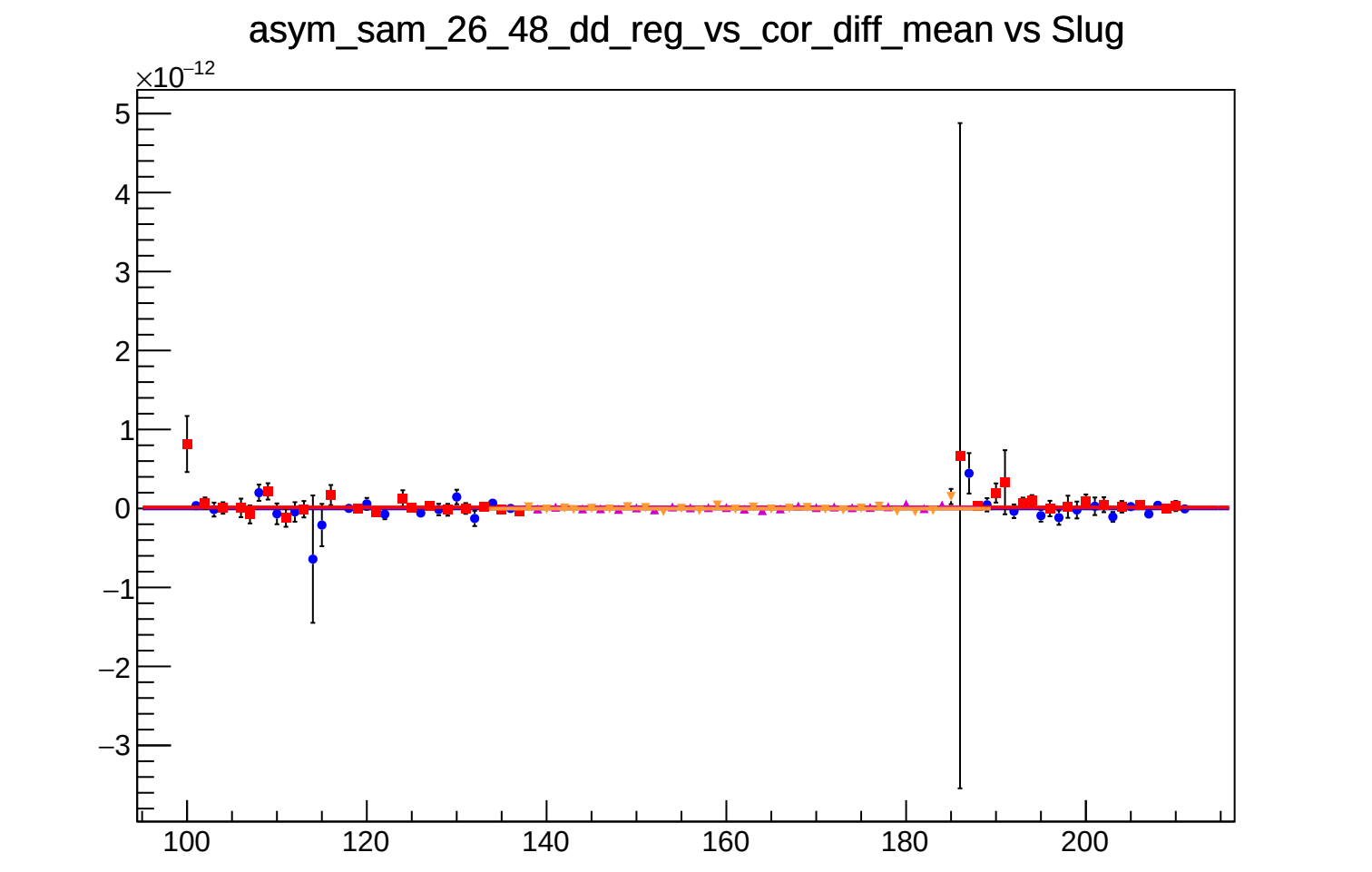
Right Out: 629.556+/-0.108 χ^2/NDF: 2185156.7/32

Left In: 496.307+/-0.083 χ^2/NDF:622356.2/22

+ sign 541.661+/-0.065 χ^2/NDF: 3073625.9/52

All: 543.627+/-0.046 χ^2/NDF: 6836911.5/108

- sign 545.616+/-0.066 χ^2/NDF: 3761472.5/55



Right In: -0.000+/-0.000 χ^2/NDF: 29.8/27

Left Out: -0.000+/-0.000 χ^2/NDF:25.1/24

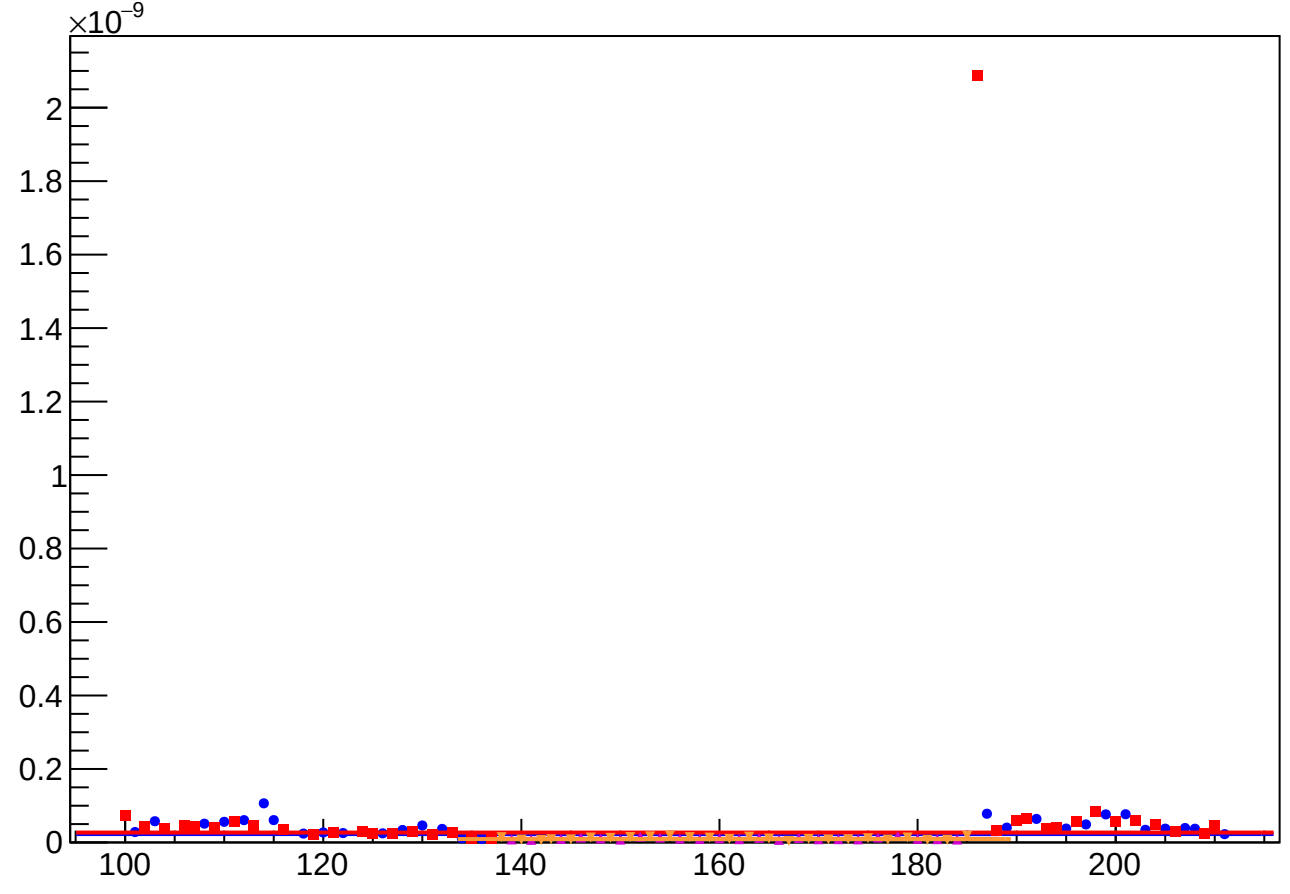
Right Out: 0.000+/-0.000 χ^2/NDF: 26.3/32

Left In: 0.000+/-0.000 χ^2/NDF:15.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 54.9/52

All: 0.000+/-0.000 χ^2/NDF: 101.8/108

- sign 0.000+/-0.000 χ^2/NDF: 42.1/55



Right In: 0.000+/-0.000 χ^2/NDF: 5221532.5/27

Left Out: 0.000+/-0.000 χ^2/NDF:1832944.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4245391.4/32

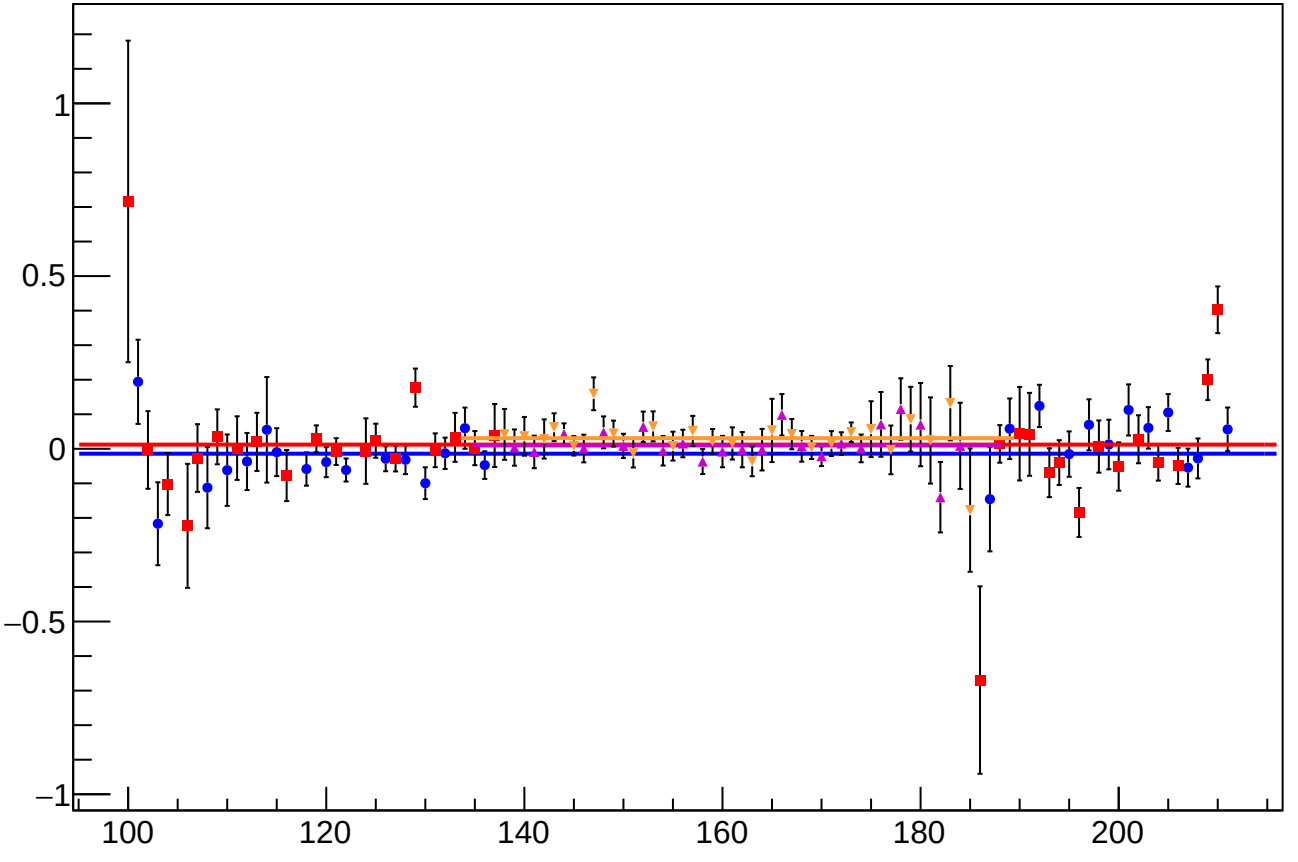
Left In: 0.000+/-0.000 χ^2/NDF:622904.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 10403522.5/52

All: 0.000+/-0.000 χ^2/NDF: 19884538.2/108

- sign 0.000+/-0.000 χ^2/NDF: 9413787.2/55

asym_sam_26_48_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.014+/-0.011 χ^2/NDF: 35.4/27

Left Out: 0.031+/-0.009 χ^2/NDF:17.8/24

Right Out: 0.012+/-0.011 χ^2/NDF: 81.0/32

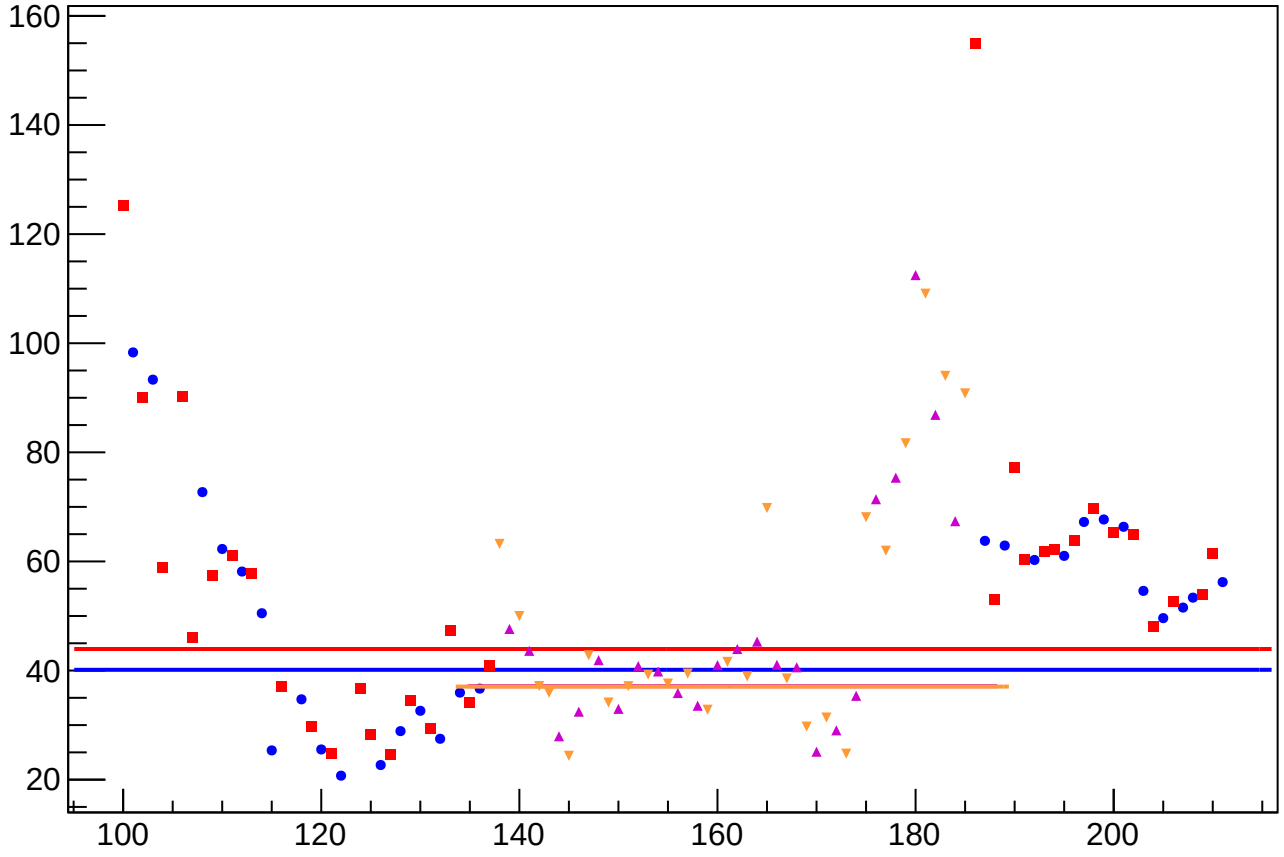
Left In: 0.010+/-0.009 χ^2/NDF:13.2/22

+ sign 0.012+/-0.007 χ^2/NDF: 63.3/52

All: 0.011+/-0.005 χ^2/NDF: 157.6/108

- sign 0.011+/-0.007 χ^2/NDF: 94.3/55

asym_sam_26_48_dd_dit_vs_cor_diff_rms vs Slug



Right In: 40.136+/-0.008 χ^2/NDF: 4979185.7/27

Left Out: 37.057+/-0.006 χ^2/NDF:4053719.8/24

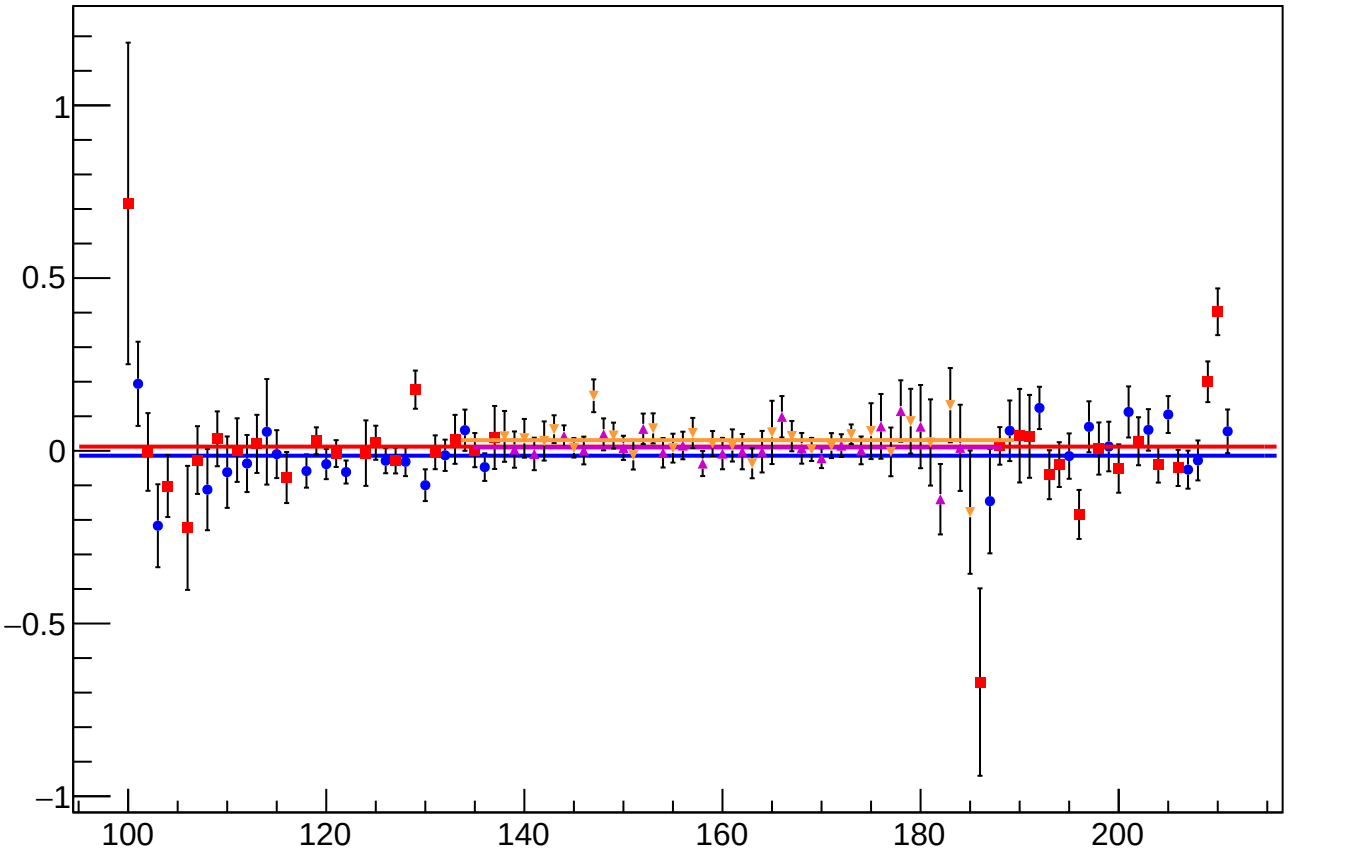
Right Out: 43.949+/-0.008 χ^2/NDF: 4465775.6/32

Left In: 37.127+/-0.007 χ^2/NDF:3012795.5/22

+ sign 38.335+/-0.005 χ^2/NDF: 9127342.3/52

All: 39.105+/-0.004 χ^2/NDF: 17090535.1/108

- sign 39.925+/-0.005 χ^2/NDF: 7912912.8/55



Right In: -0.014+/-0.011 χ^2/NDF: 35.4/27

Left Out: 0.031+/-0.009 χ^2/NDF:17.8/24

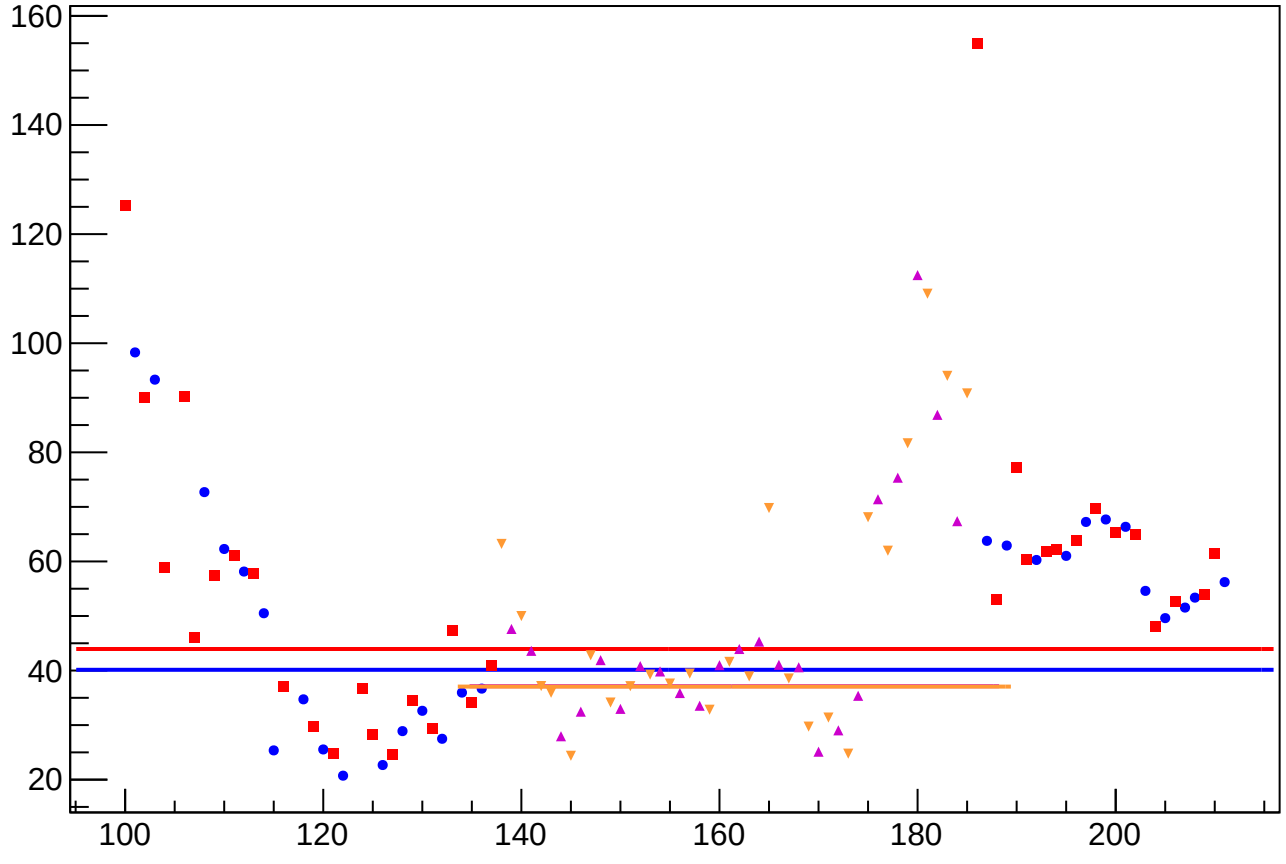
Right Out: 0.012+/-0.011 χ^2/NDF: 81.0/32

Left In: 0.010+/-0.009 χ^2/NDF:13.2/22

+ sign 0.012+/-0.007 χ^2/NDF: 63.3/52

All: 0.011+/-0.005 χ^2/NDF: 157.6/108

- sign 0.011+/-0.007 χ^2/NDF: 94.3/55



Right In: 40.136+/-0.008 χ^2/NDF: 4979185.7/27

Left Out: 37.057+/-0.006 χ^2/NDF:4053719.8/24

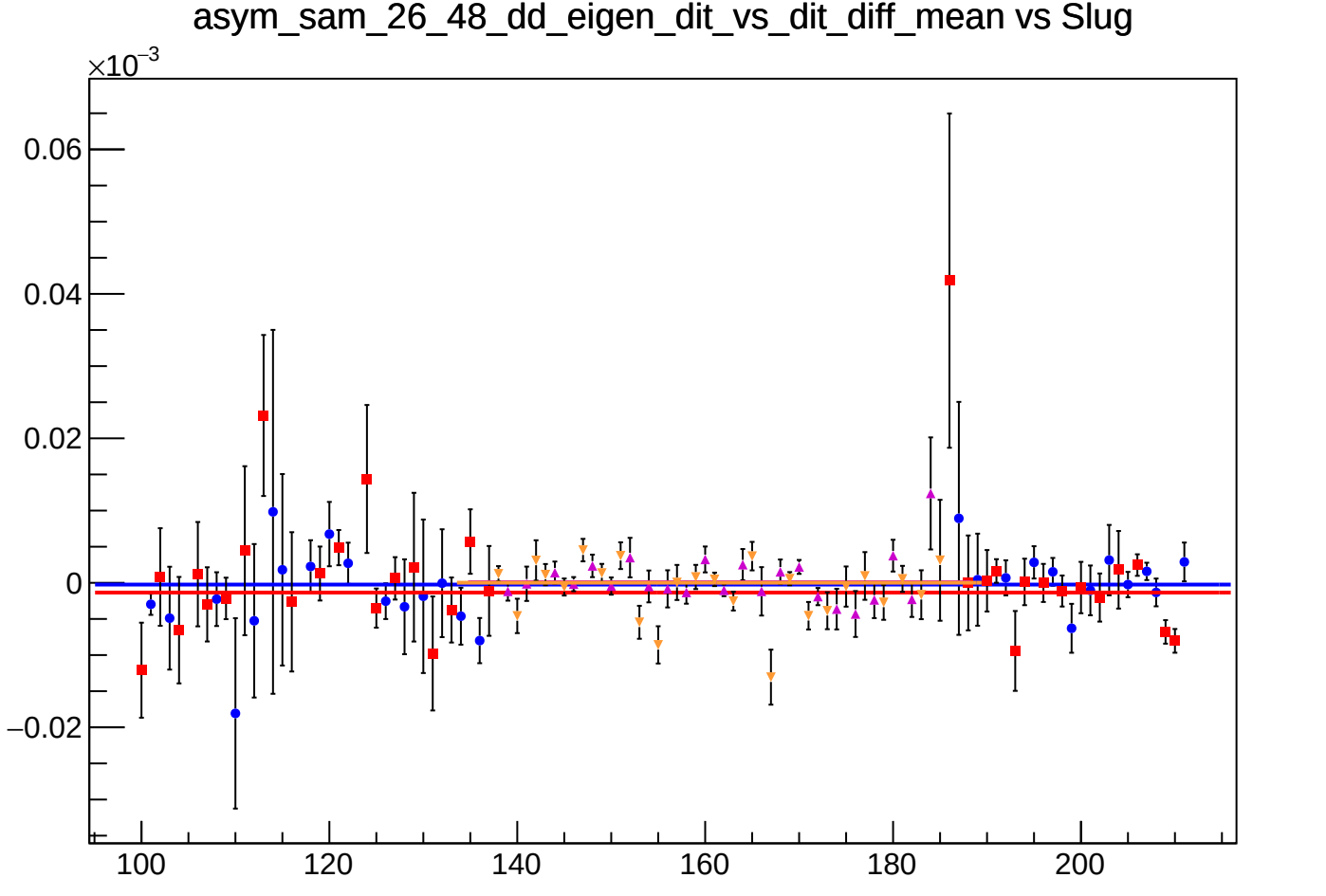
Right Out: 43.949+/-0.008 χ^2/NDF: 4465775.6/32

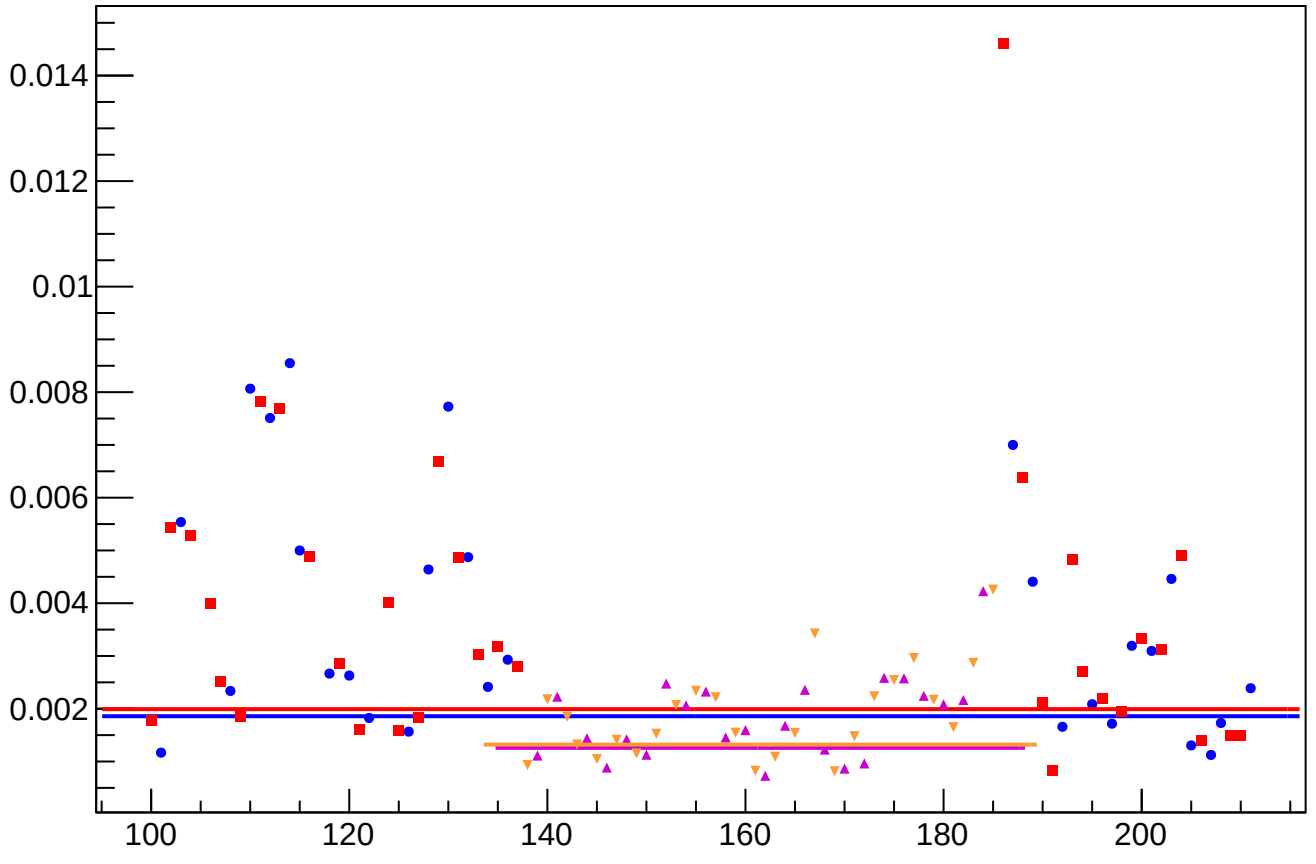
Left In: 37.127+/-0.007 χ^2/NDF:3012795.5/22

+ sign 38.335+/-0.005 χ^2/NDF: 9127342.3/52

All: 39.105+/-0.004 χ^2/NDF: 17090535.1/108

- sign 39.925+/-0.005 χ^2/NDF: 7912912.8/55


asym_sam_26_48_dd_eigen_dit_vs_dit_diff_mean vs Slug
×10⁻³
0.06
0.04
0.02
0
−0.02
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 29.9/27
Left Out: 0.000+/-0.000 χ²/NDF:67.6/24
Right Out: -0.000+/-0.000 χ²/NDF: 67.6/32
Left In: 0.000+/-0.000 χ²/NDF:32.2/22
+ sign -0.000+/-0.000 χ²/NDF: 97.6/52
All: -0.000+/-0.000 χ²/NDF: 202.7/108
- sign -0.000+/-0.000 χ²/NDF: 104.8/55



Right In: 0.002+/-0.000 χ^2/NDF: 6774832.0/27

Left Out: 0.001+/-0.000 χ^2/NDF:5632532.9/24

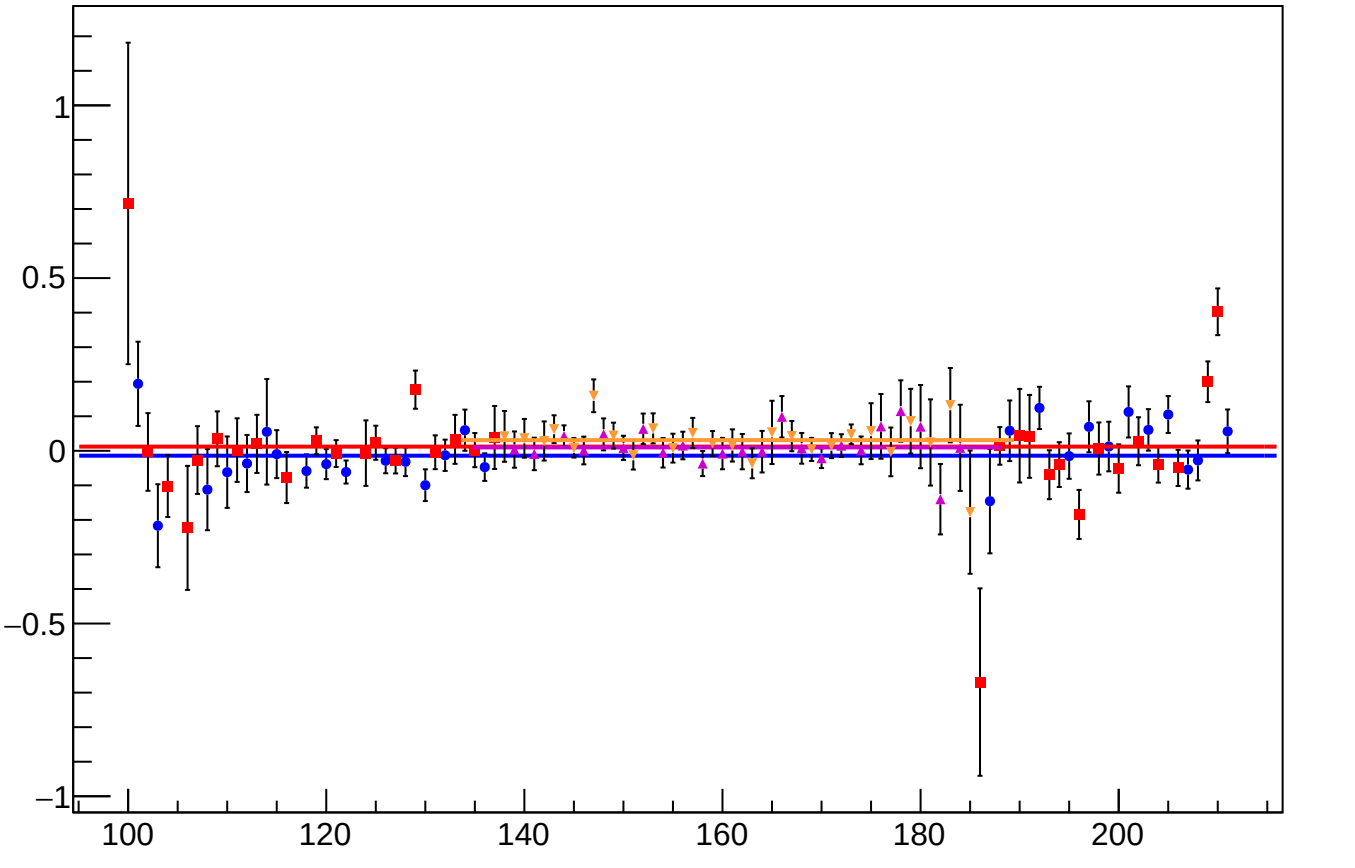
Right Out: 0.002+/-0.000 χ^2/NDF: 8500607.3/32

Left In: 0.001+/-0.000 χ^2/NDF:5369001.1/22

+ sign 0.001+/-0.000 χ^2/NDF: 13876730.8/52

All: 0.001+/-0.000 χ^2/NDF: 30357378.2/108

- sign 0.001+/-0.000 χ^2/NDF: 16475416.3/55



Right In: -0.014+/-0.011 χ^2/NDF: 35.4/27

Left Out: 0.031+/-0.009 χ^2/NDF:17.8/24

Right Out: 0.012+/-0.011 χ^2/NDF: 81.0/32

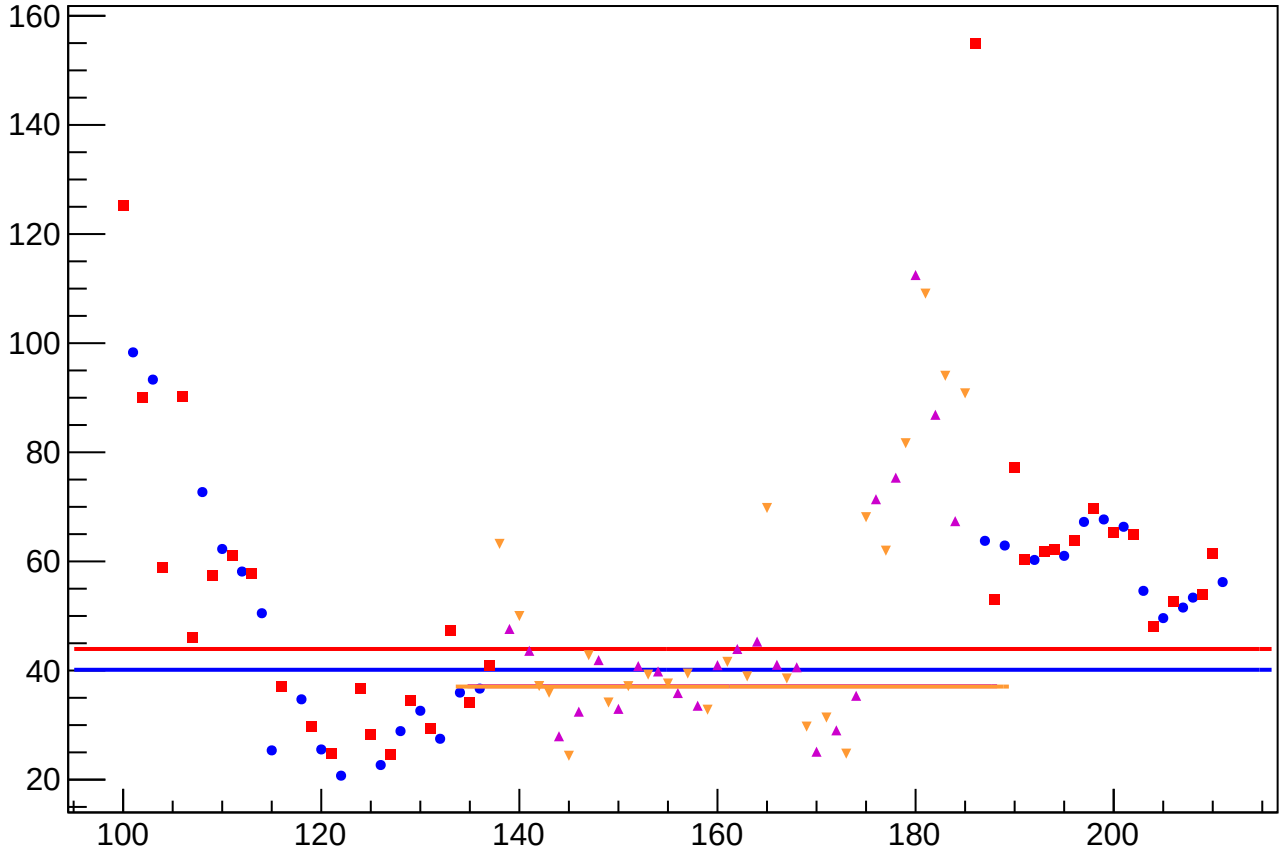
Left In: 0.010+/-0.009 χ^2/NDF:13.2/22

+ sign 0.012+/-0.007 χ^2/NDF: 63.3/52

All: 0.011+/-0.005 χ^2/NDF: 157.6/108

- sign 0.011+/-0.007 χ^2/NDF: 94.3/55

asym_sam_26_48_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 40.137+/-0.008 χ^2/NDF: 4979068.6/27

Left Out: 37.057+/-0.006 χ^2/NDF:4053728.9/24

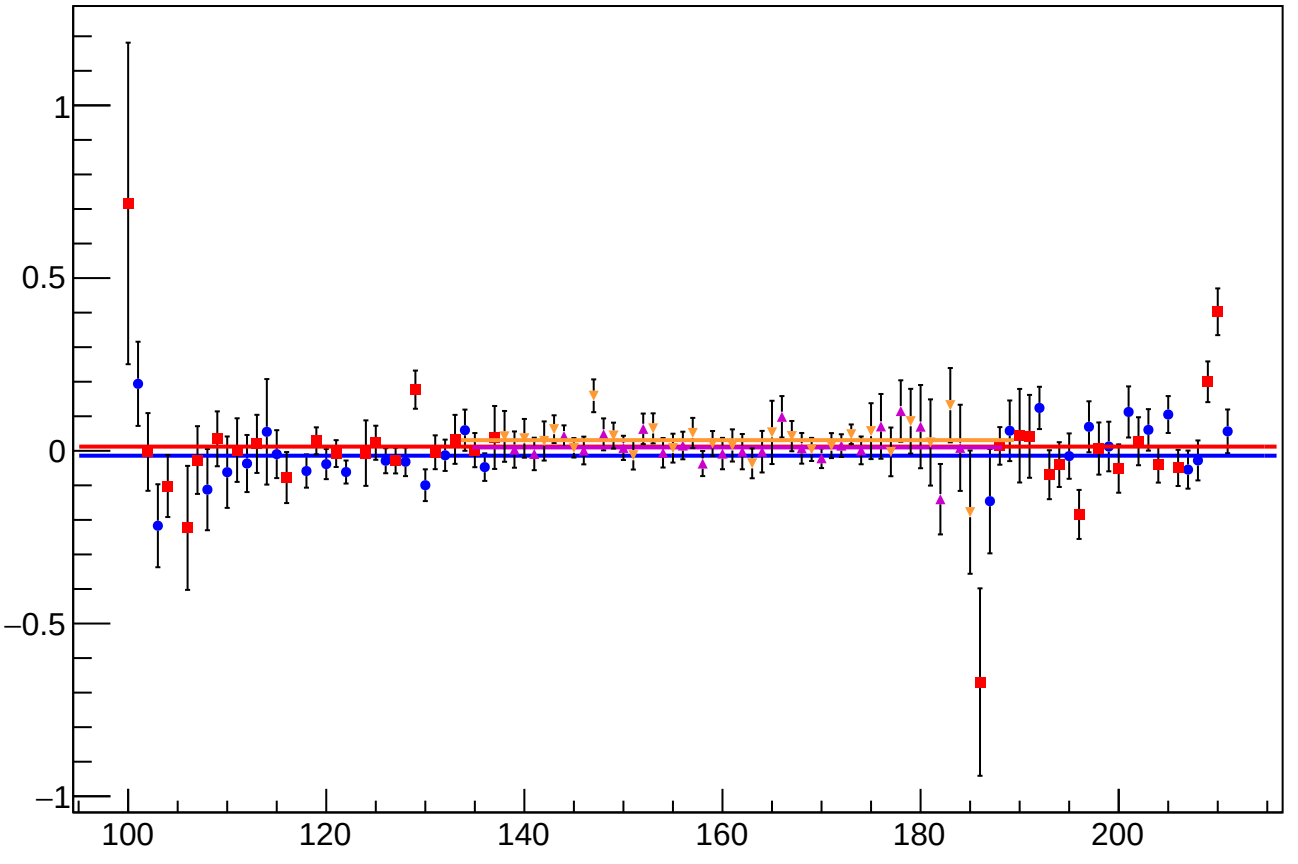
Right Out: 43.950+/-0.008 χ^2/NDF: 4465557.7/32

Left In: 37.127+/-0.007 χ^2/NDF:3012767.1/22

+ sign 38.335+/-0.005 χ^2/NDF: 9127255.5/52

All: 39.105+/-0.004 χ^2/NDF: 17090257.0/108

- sign 39.925+/-0.005 χ^2/NDF: 7912721.5/55



Right In: -0.014+/-0.011 χ^2/NDF: 35.4/27

Left Out: 0.031+/-0.009 χ^2/NDF:17.8/24

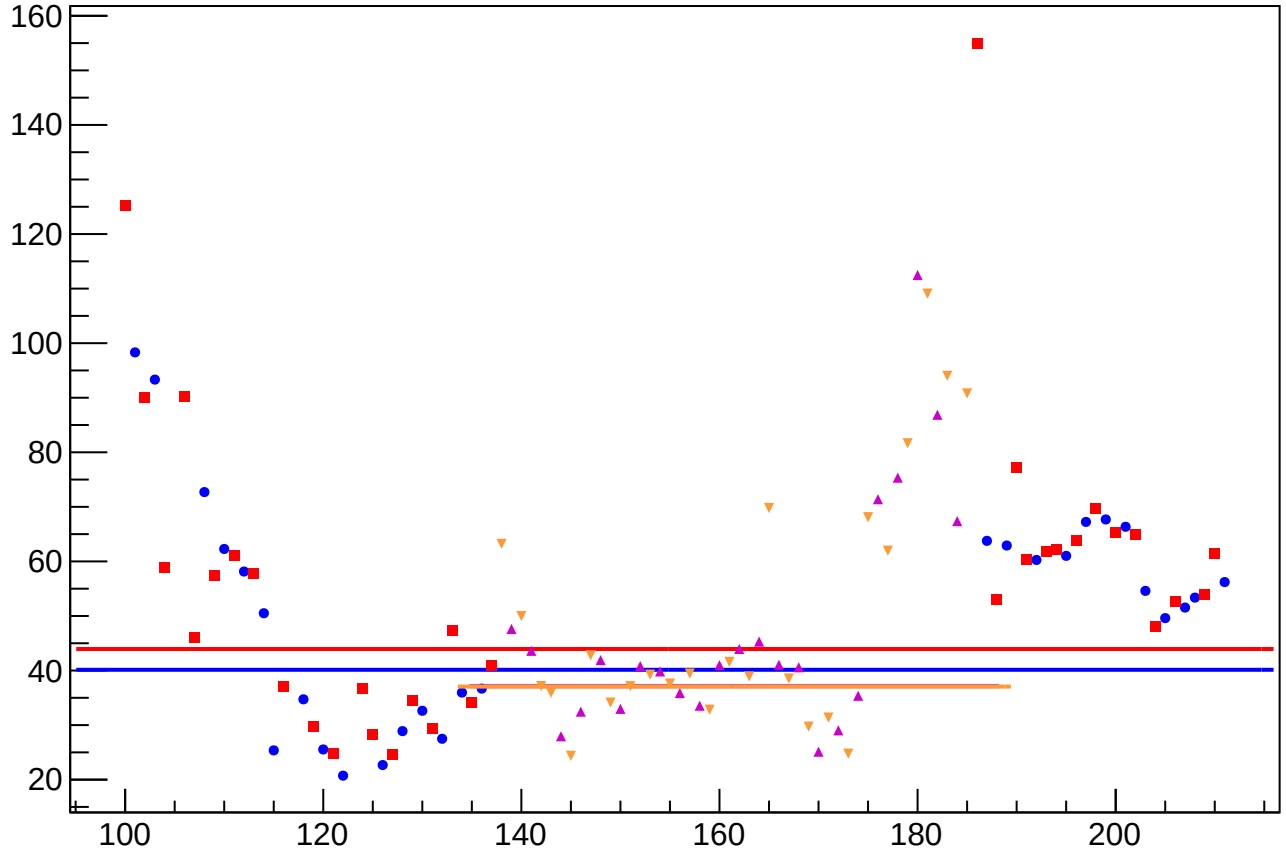
Right Out: 0.012+/-0.011 χ^2/NDF: 81.0/32

Left In: 0.010+/-0.009 χ^2/NDF:13.2/22

+ sign 0.012+/-0.007 χ^2/NDF: 63.3/52

All: 0.011+/-0.005 χ^2/NDF: 157.6/108

- sign 0.011+/-0.007 χ^2/NDF: 94.3/55



Right In: 40.137+/-0.008 χ^2/NDF: 4979068.6/27

Left Out: 37.057+/-0.006 χ^2/NDF:4053728.9/24

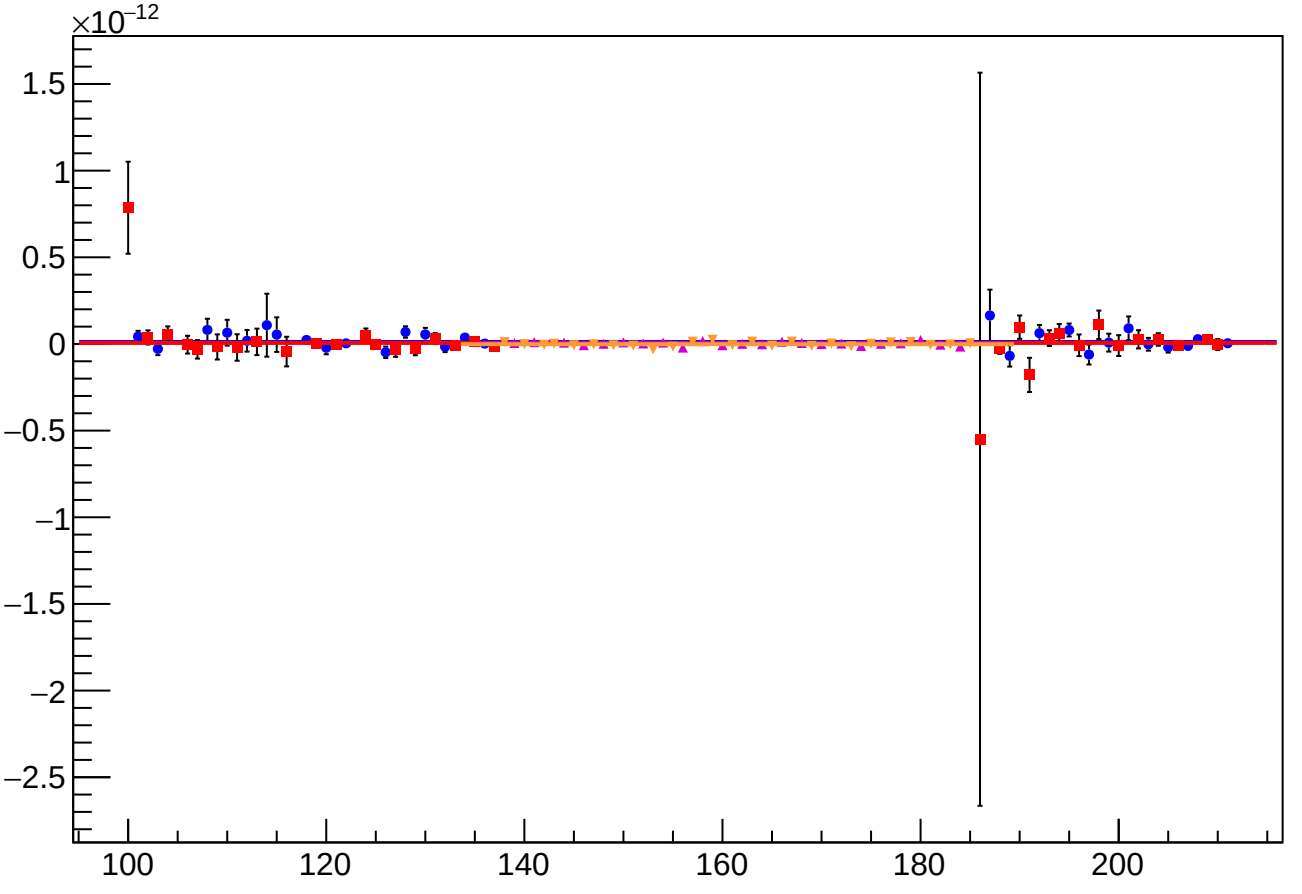
Right Out: 43.950+/-0.008 χ^2/NDF: 4465557.7/32

Left In: 37.127+/-0.007 χ^2/NDF:3012767.1/22

+ sign 38.335+/-0.005 χ^2/NDF: 9127255.5/52

All: 39.105+/-0.004 χ^2/NDF: 17090257.0/108

- sign 39.925+/-0.005 χ^2/NDF: 7912721.5/55



Right In: 0.000+/-0.000 χ^2/NDF: 29.5/27

Left Out: -0.000+/-0.000 χ^2/NDF:26.0/24

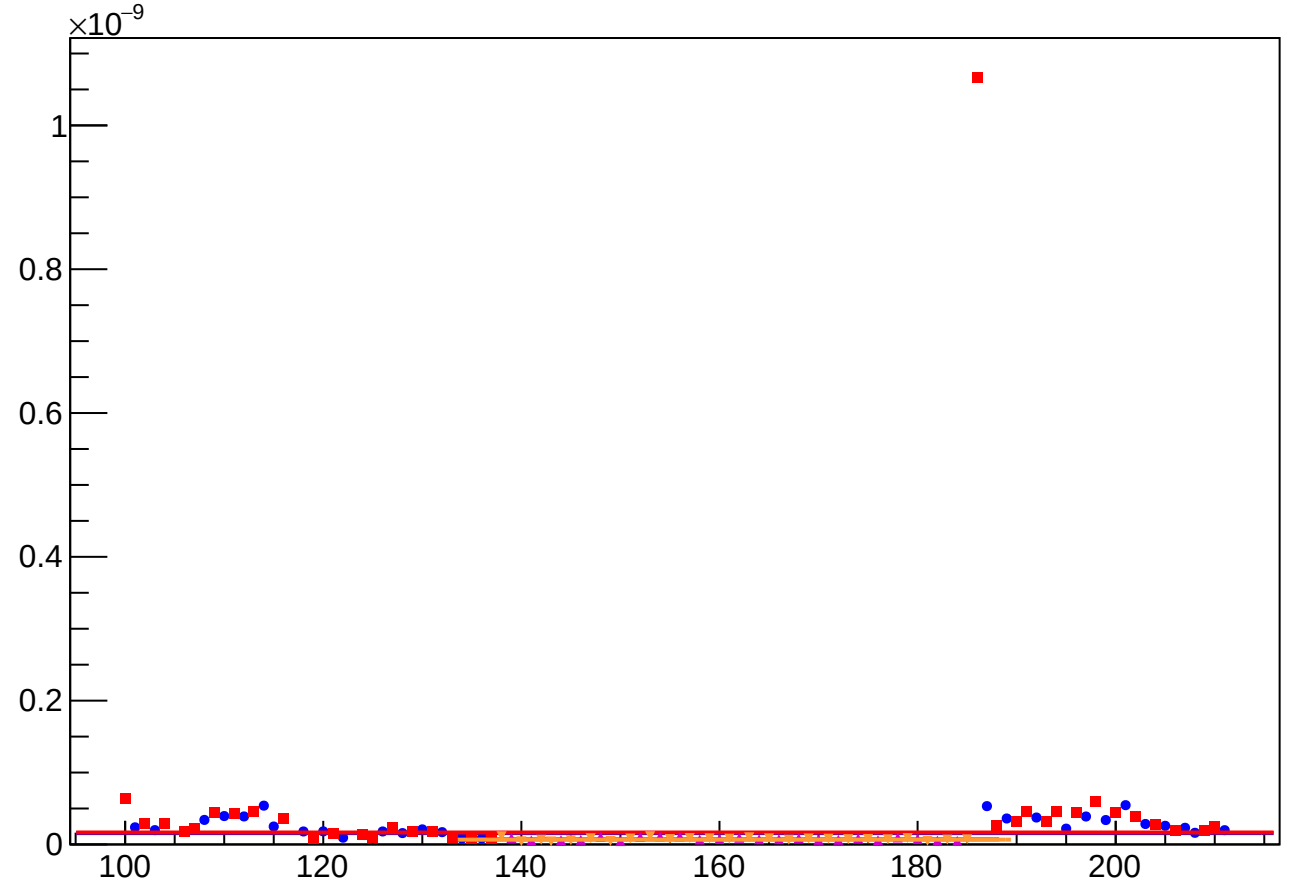
Right Out: 0.000+/-0.000 χ^2/NDF: 28.7/32

Left In: 0.000+/-0.000 χ^2/NDF:20.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 60.3/52

All: 0.000+/-0.000 χ^2/NDF: 111.4/108

- sign 0.000+/-0.000 χ^2/NDF: 49.4/55



Right In: 0.000+/-0.000 χ^2/NDF: 5328246.7/27

Left Out: 0.000+/-0.000 χ^2/NDF:1953818.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7386805.7/32

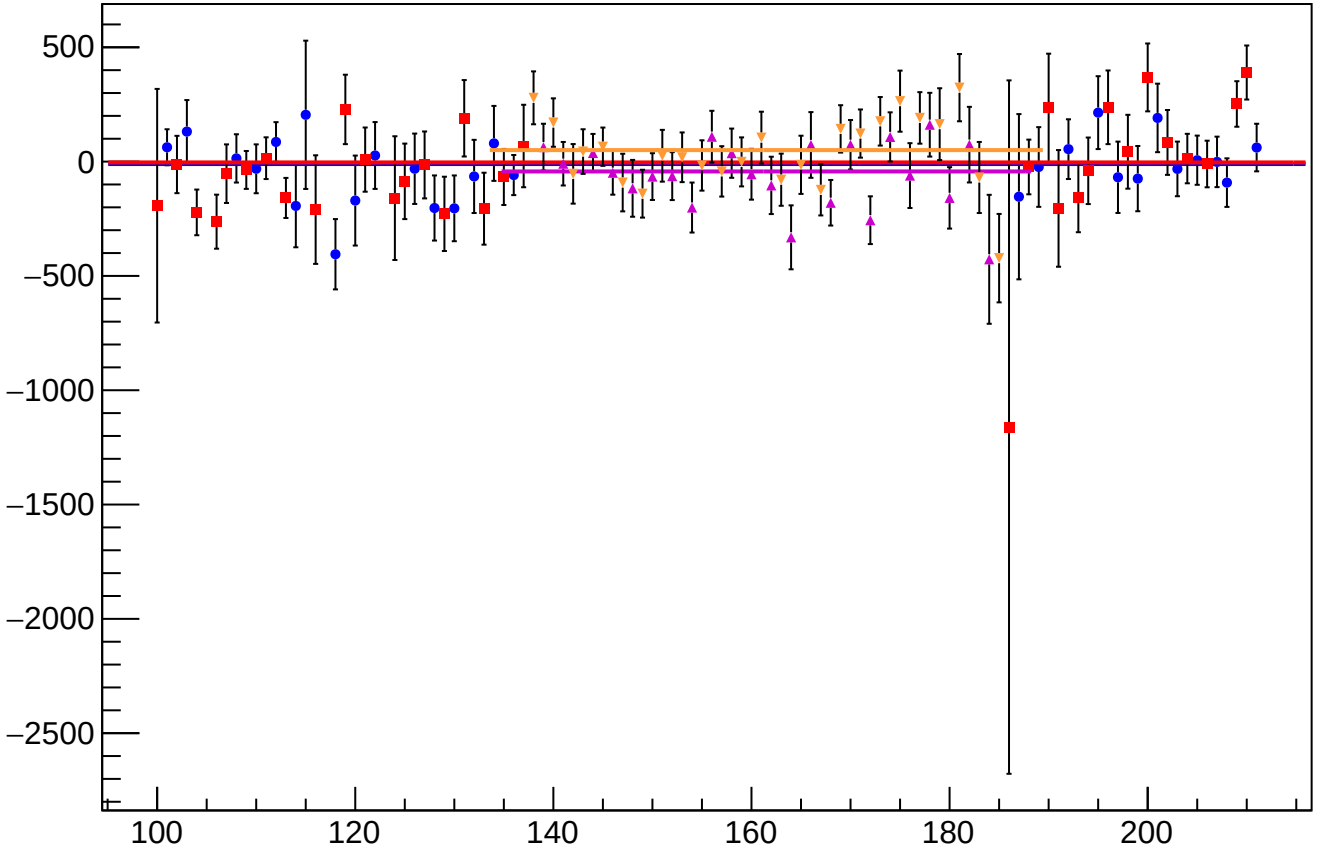
Left In: 0.000+/-0.000 χ^2/NDF:1431998.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 12225406.9/52

All: 0.000+/-0.000 χ^2/NDF: 26157137.9/108

- sign 0.000+/-0.000 χ^2/NDF: 13849563.7/55

reg_asym_sam_1548_avg_mean vs Slug



Right In: -10.642+/-24.127 χ^2/NDF: 22.1/27

Left Out: 50.314+/-22.958 χ^2/NDF:33.5/24

Right Out: -3.528+/-23.344 χ^2/NDF: 52.2/32

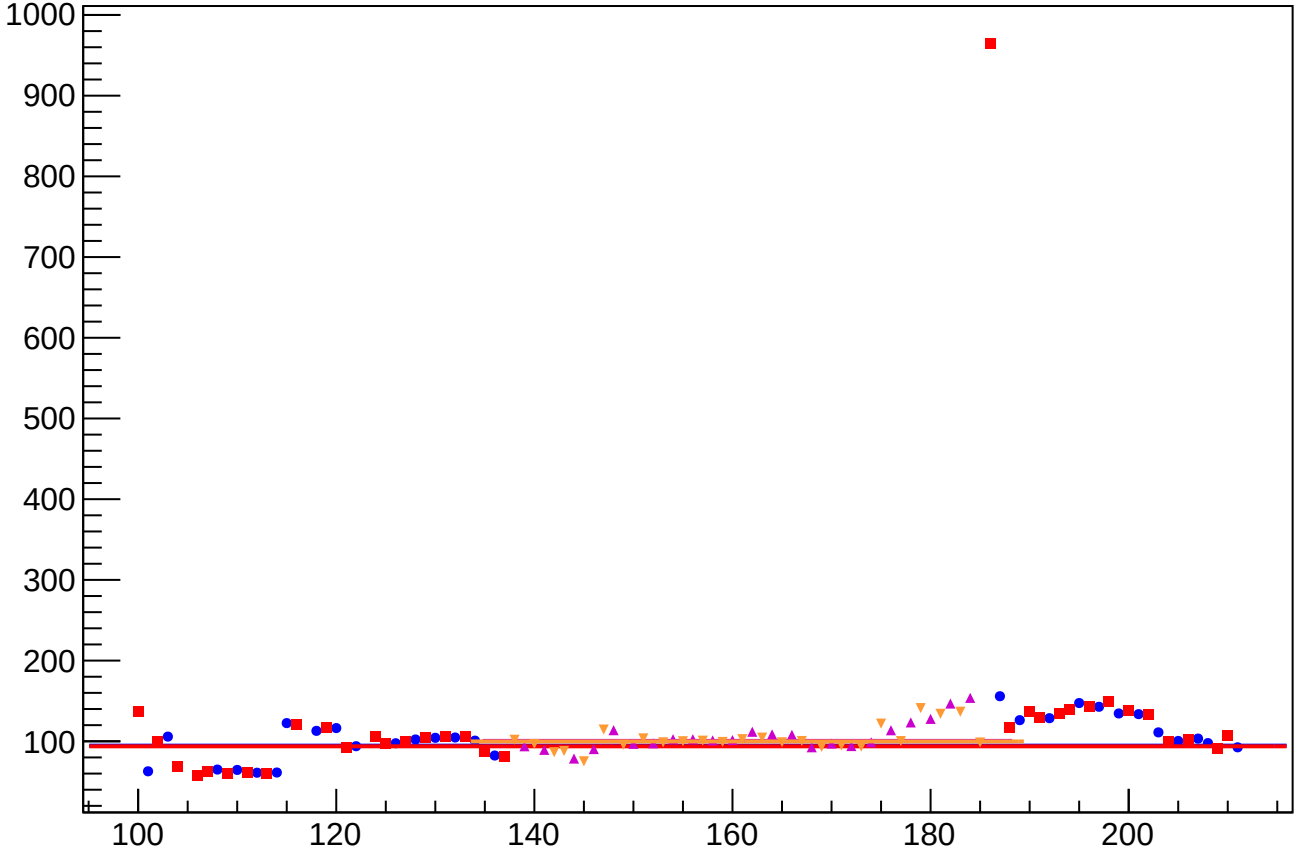
Left In: -43.026+/-23.758 χ^2/NDF:26.6/22

+ sign 21.348+/-16.631 χ^2/NDF: 58.9/52

All: -0.764+/-11.767 χ^2/NDF: 142.6/108

- sign -22.930+/-16.651 χ^2/NDF: 80.2/55

reg_asym_sam_1548_avg_rms vs Slug



Right In: 94.598+/-0.017 χ^2/NDF: 2175592.6/27

Left Out: 99.839+/-0.016 χ^2/NDF:697768.7/24

Right Out: 93.780+/-0.017 χ^2/NDF: 3454772.0/32

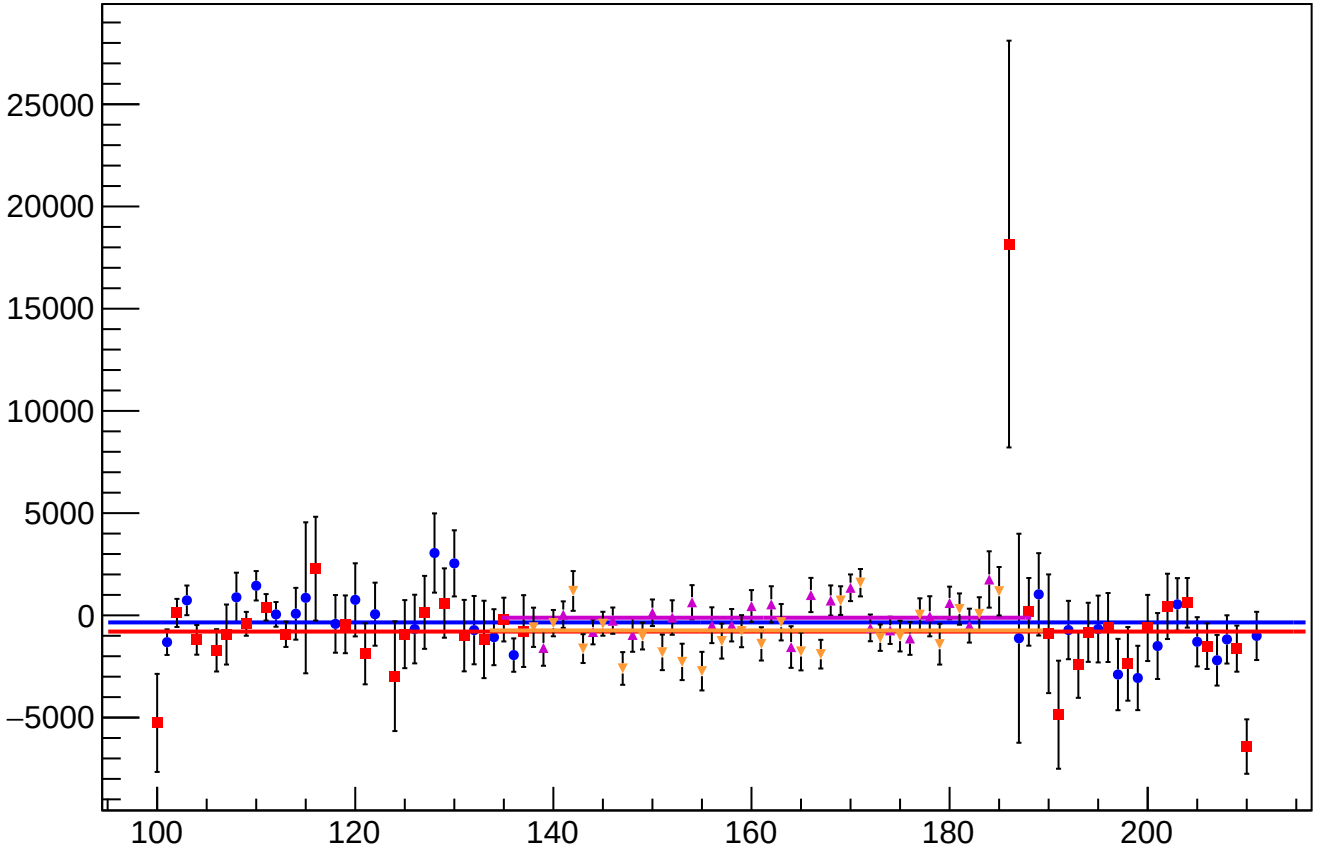
Left In: 100.498+/-0.017 χ^2/NDF:656850.1/22

+ sign 97.348+/-0.012 χ^2/NDF: 2922891.9/52

All: 97.214+/-0.008 χ^2/NDF: 7116142.7/108

- sign 97.080+/-0.012 χ^2/NDF: 4192990.1/55

asym_sam_1548_avg_reg_correction_mean vs Slug



Right In: -345.484+/-219.312 χ^2/NDF: 33.7/27

Left Out: -738.364+/-156.311 χ^2/NDF:49.7/24

Right Out: -793.091+/-206.960 χ^2/NDF: 43.1/32

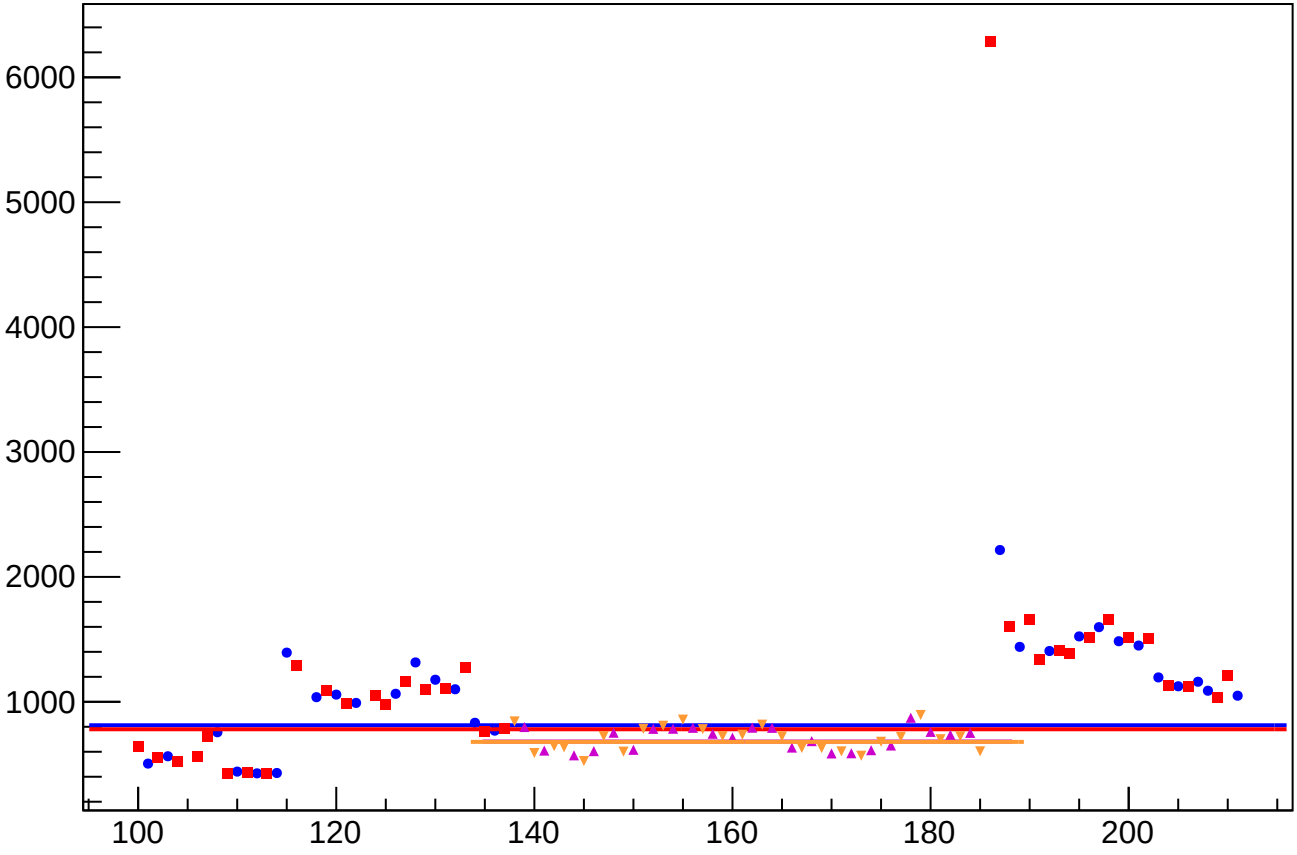
Left In: -115.639+/-160.990 χ^2/NDF:23.7/22

+ sign -606.017+/-127.289 χ^2/NDF: 85.5/52

All: -488.322+/-89.930 χ^2/NDF: 160.8/108

- sign -371.029+/-127.071 χ^2/NDF: 73.5/55

asym_sam_1548_avg_reg_correction_rms vs Slug



Right In: 812.202+/-0.155 χ^2/NDF: 5572743.7/27

Left Out: 679.146+/-0.111 χ^2/NDF:737419.7/24

Right Out: 780.179+/-0.146 χ^2/NDF: 7563269.8/32

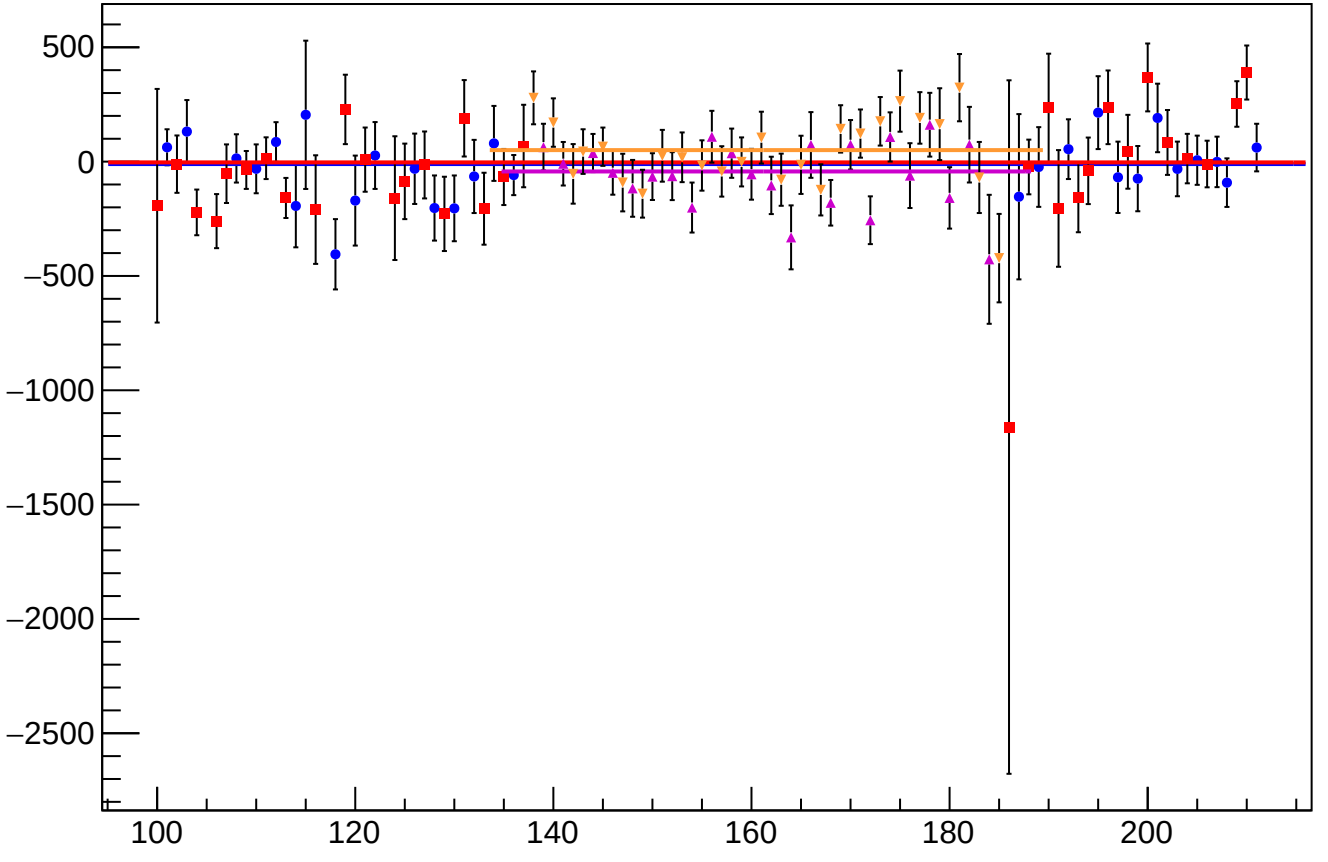
Left In: 681.893+/-0.114 χ^2/NDF:573812.4/22

+ sign 723.968+/-0.090 χ^2/NDF: 6798334.7/52

All: 721.452+/-0.064 χ^2/NDF: 15217997.7/10

- sign 718.945+/-0.090 χ^2/NDF: 8418103.4/55

cor_asym_sam_1548_avg_mean vs Slug



Right In: -10.644+/-24.127 χ^2/NDF: 22.1/27

Left Out: 50.322+/-22.958 χ^2/NDF:33.4/24

Right Out: -3.366+/-23.345 χ^2/NDF: 52.1/32

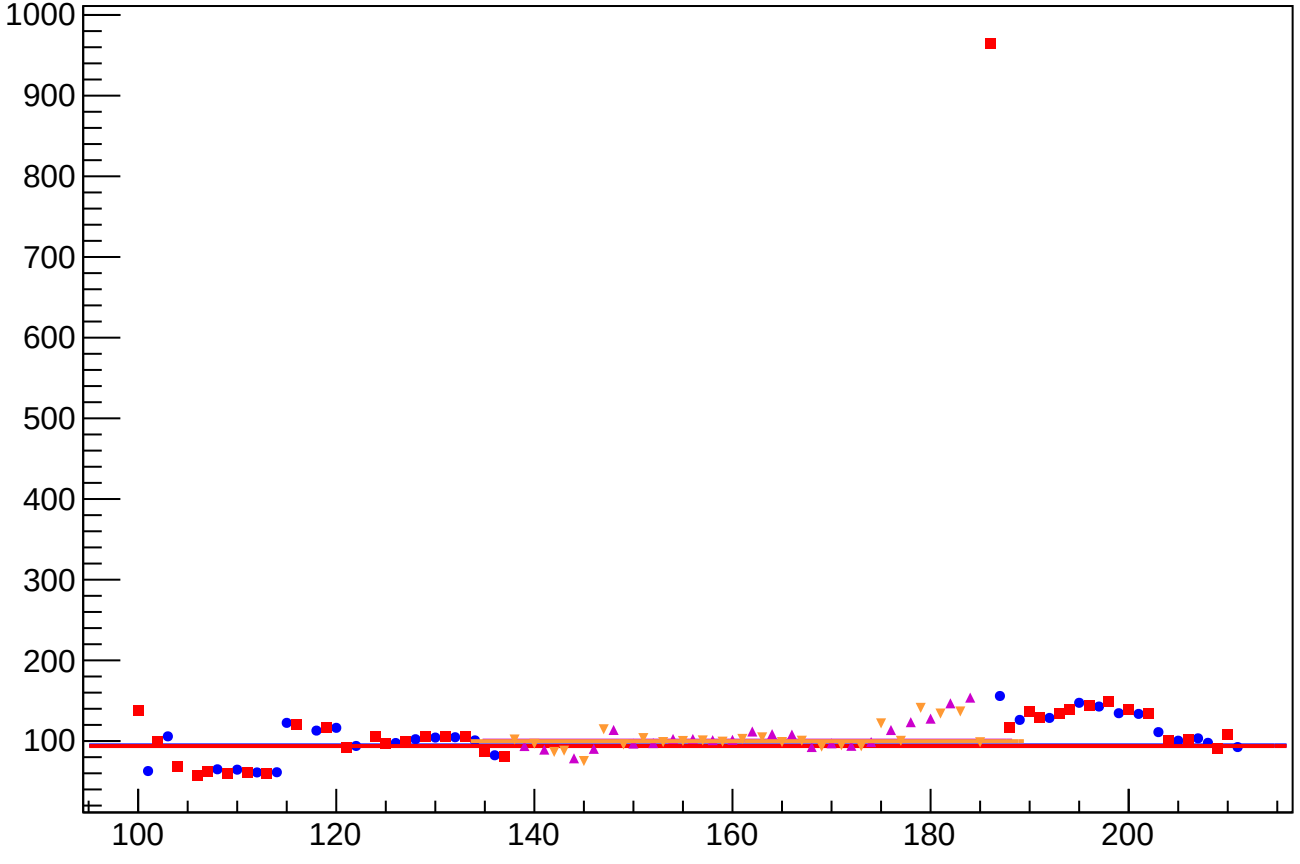
Left In: -43.026+/-23.758 χ^2/NDF:26.6/22

+ sign 21.352+/-16.631 χ^2/NDF: 58.9/52

All: -0.721+/-11.767 χ^2/NDF: 142.5/108

- sign -22.848+/-16.652 χ^2/NDF: 80.1/55

cor_asym_sam_1548_avg_rms vs Slug



Right In: 94.598+/-0.017 χ^2/NDF: 2175593.8/27

Left Out: 99.839+/-0.016 χ^2/NDF:697768.8/24

Right Out: 93.770+/-0.017 χ^2/NDF: 3458133.3/32

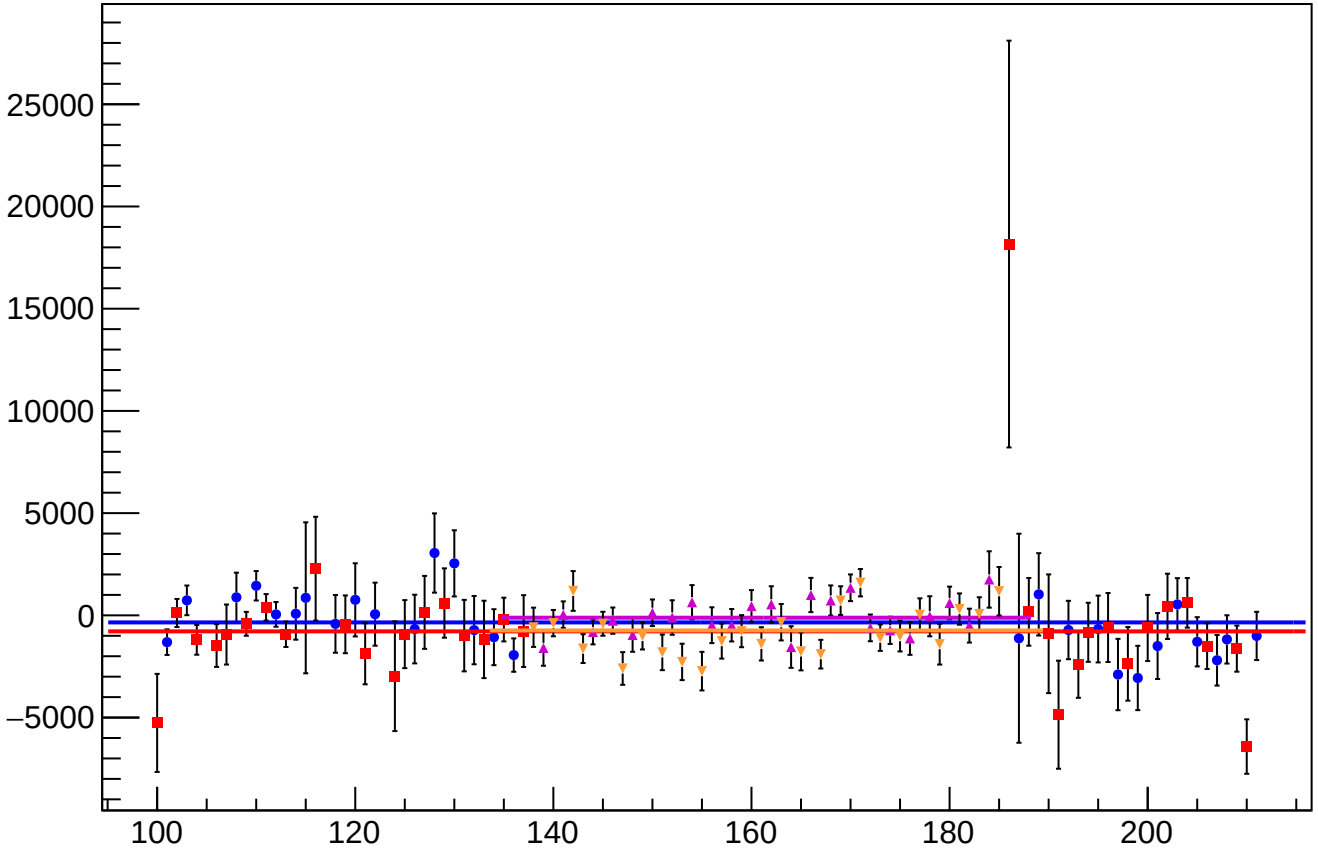
Left In: 100.498+/-0.017 χ^2/NDF:656850.1/22

+ sign 97.348+/-0.012 χ^2/NDF: 2922892.9/52

All: 97.212+/-0.008 χ^2/NDF: 7119758.9/108

- sign 97.075+/-0.012 χ^2/NDF: 4196595.3/55

asym_sam_1548_avg_cor_correction_mean vs Slug



Right In: -345.508+/-219.314 χ^2/NDF: 33.7/27

Left Out: -738.352+/-156.311 χ^2/NDF:49.7/24

Right Out: -783.564+/-207.056 χ^2/NDF: 42.7/32

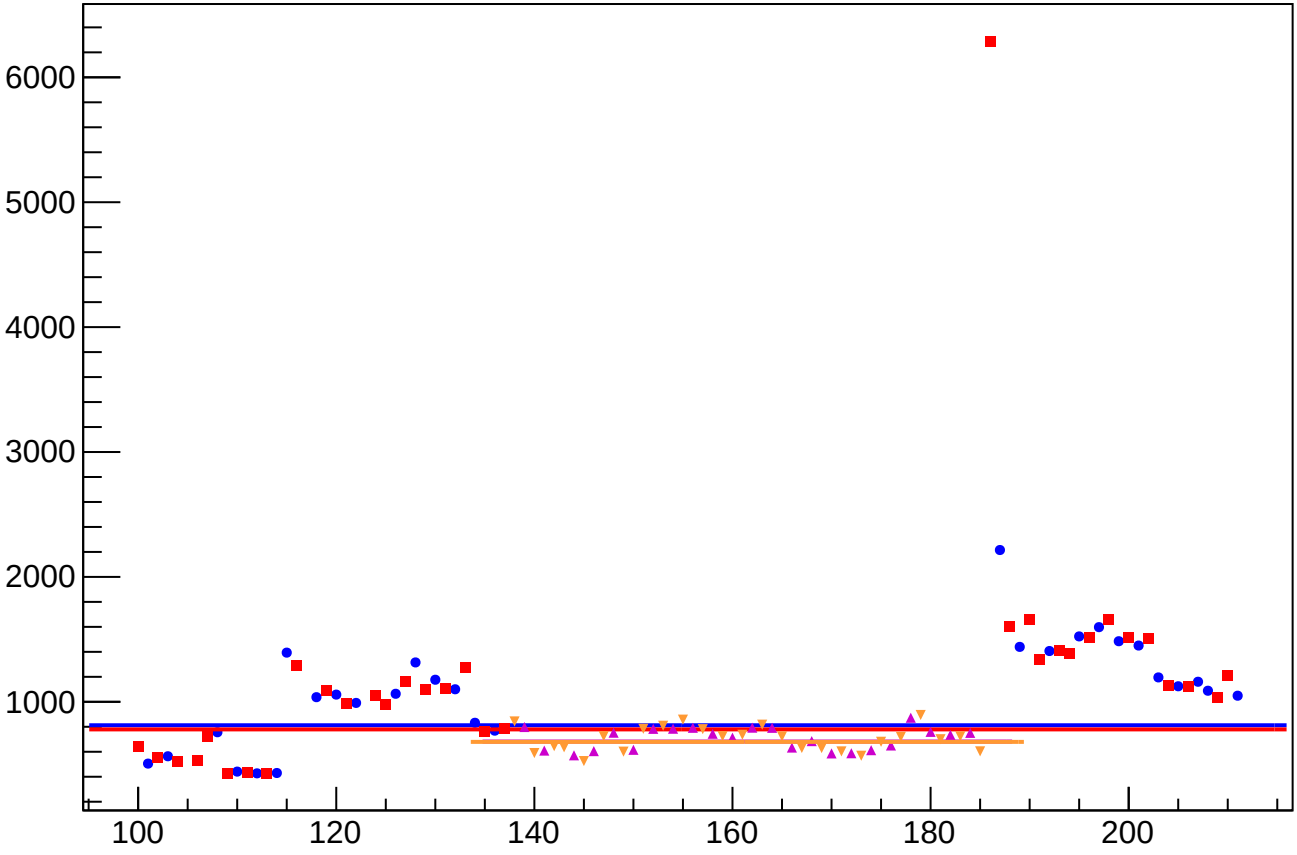
Left In: -115.639+/-160.990 χ^2/NDF:23.7/22

+ sign -606.018+/-127.289 χ^2/NDF: 85.5/52

All: -486.471+/-89.938 χ^2/NDF: 160.3/108

- sign -367.291+/-127.094 χ^2/NDF: 73.0/55

asym_sam_1548_avg_cor_correction_rms vs Slug



Right In: 812.211+/-0.155 χ^2/NDF: 5572590.5/27

Left Out: 679.146+/-0.111 χ^2/NDF:737418.6/24

Right Out: 779.082+/-0.146 χ^2/NDF: 7589786.2/32

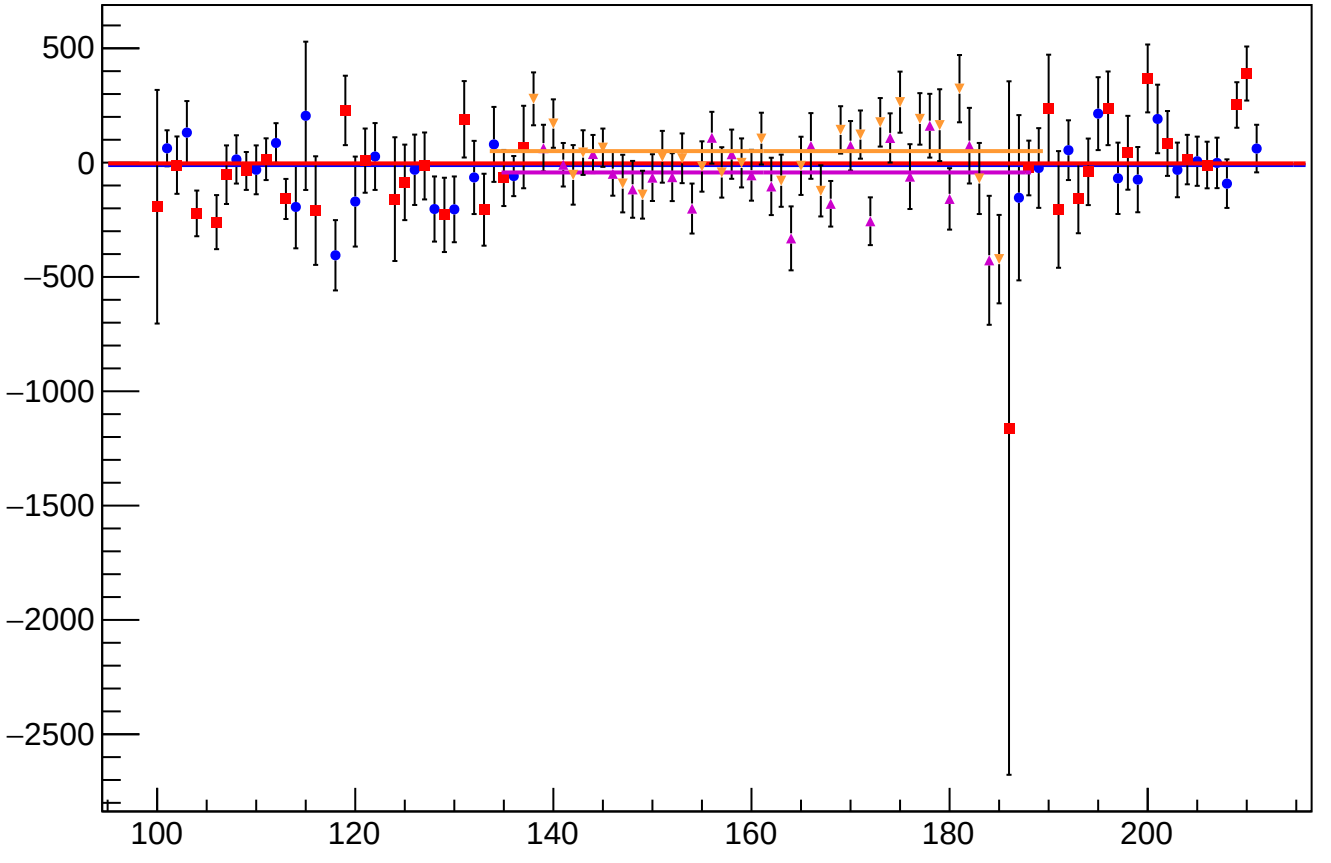
Left In: 681.893+/-0.114 χ^2/NDF:573813.6/22

+ sign 723.971+/-0.090 χ^2/NDF: 6798245.1/52

All: 721.236+/-0.064 χ^2/NDF: 15238308.1/10

- sign 718.510+/-0.090 χ^2/NDF: 8438220.0/55

eigen_cor_asym_sam_1548_avg_mean vs Slug



Right In: -10.644+/-24.127 χ^2/NDF: 22.1/27

Left Out: 50.322+/-22.958 χ^2/NDF:33.4/24

Right Out: -3.366+/-23.345 χ^2/NDF: 52.1/32

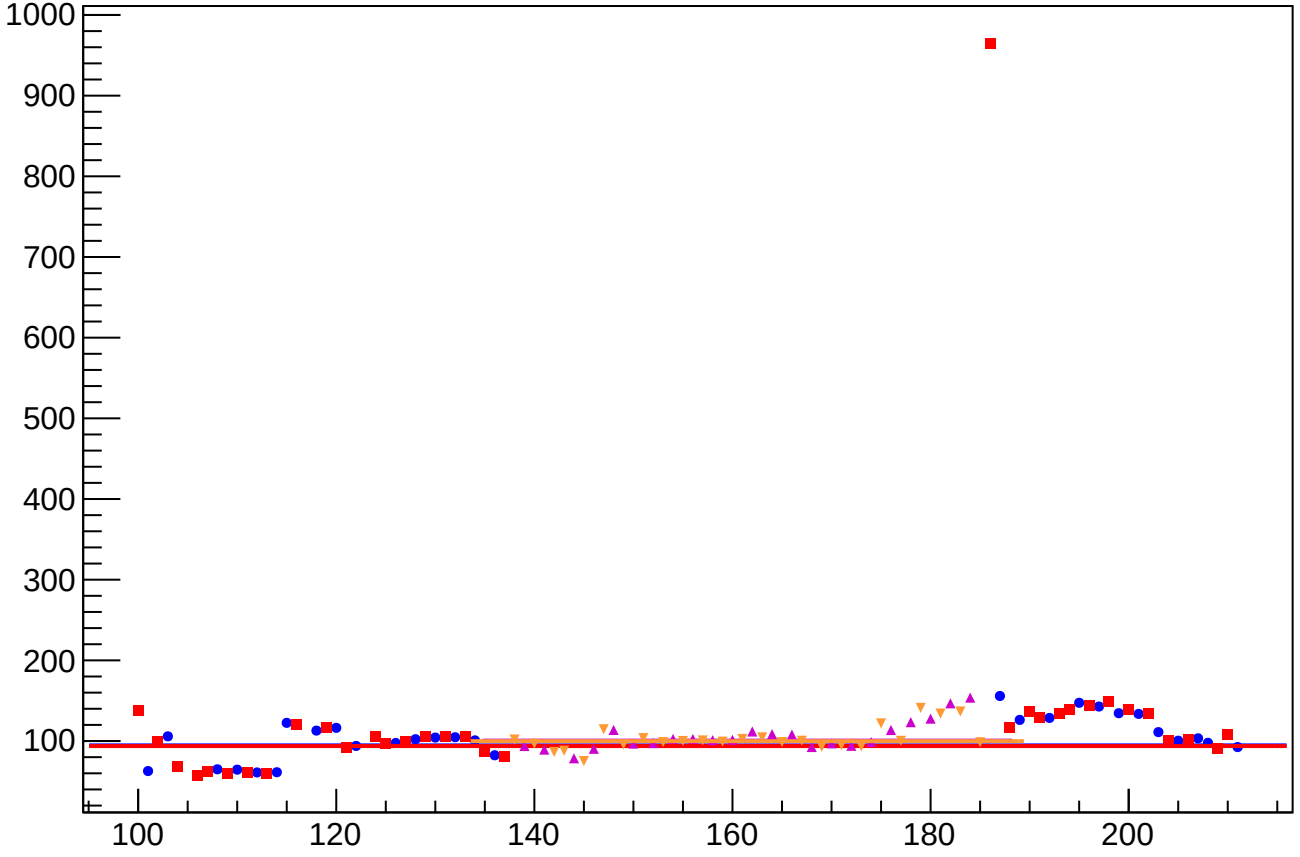
Left In: -43.026+/-23.758 χ^2/NDF:26.6/22

+ sign 21.352+/-16.631 χ^2/NDF: 58.9/52

All: -0.721+/-11.767 χ^2/NDF: 142.5/108

- sign -22.848+/-16.652 χ^2/NDF: 80.1/55

eigen_cor_asym_sam_1548_avg_rms vs Slug



Right In: 94.598+/-0.017 χ^2/NDF: 2175593.8/27

Left Out: 99.839+/-0.016 χ^2/NDF:697768.8/24

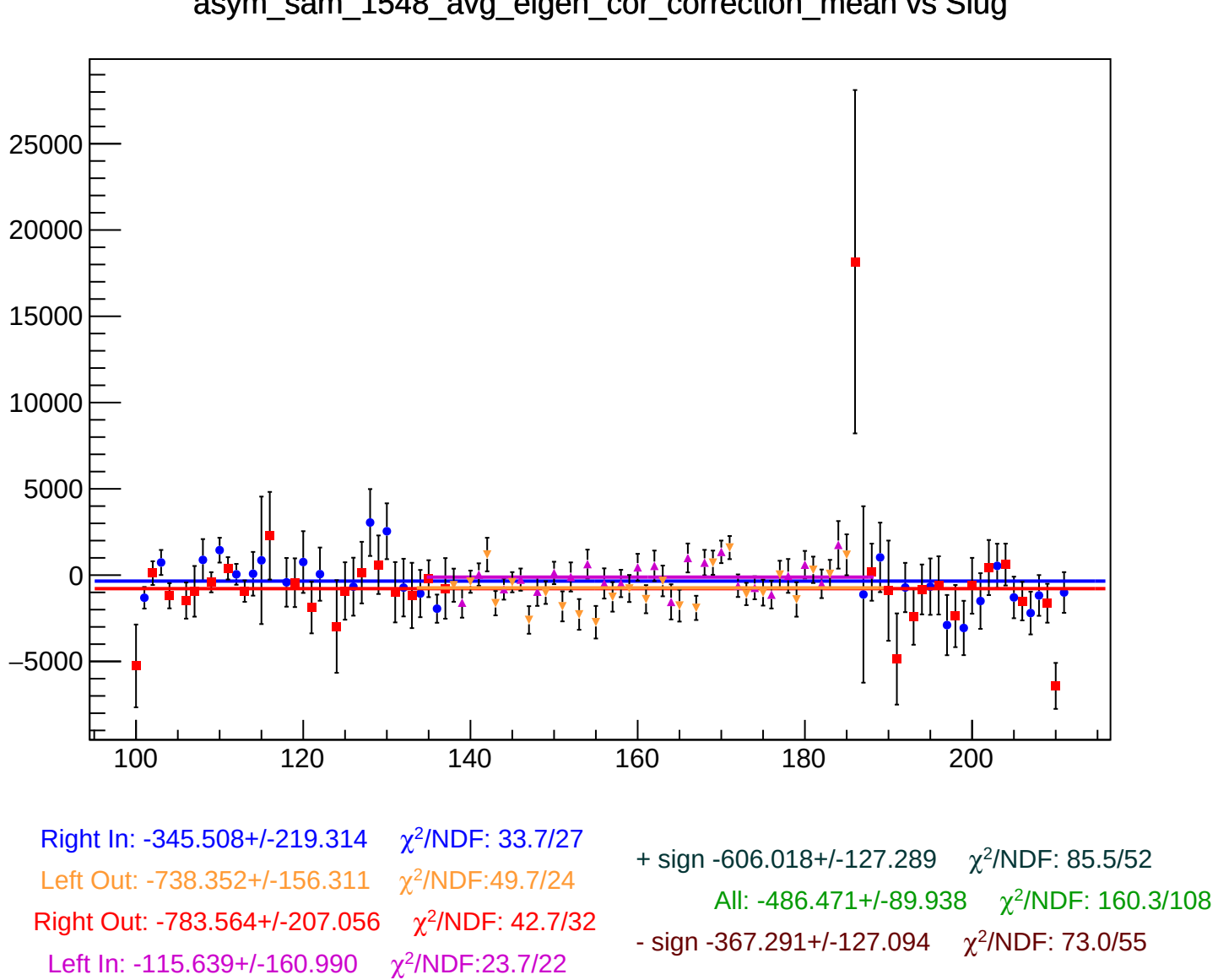
Right Out: 93.770+/-0.017 χ^2/NDF: 3458133.3/32

Left In: 100.498+/-0.017 χ^2/NDF:656850.1/22

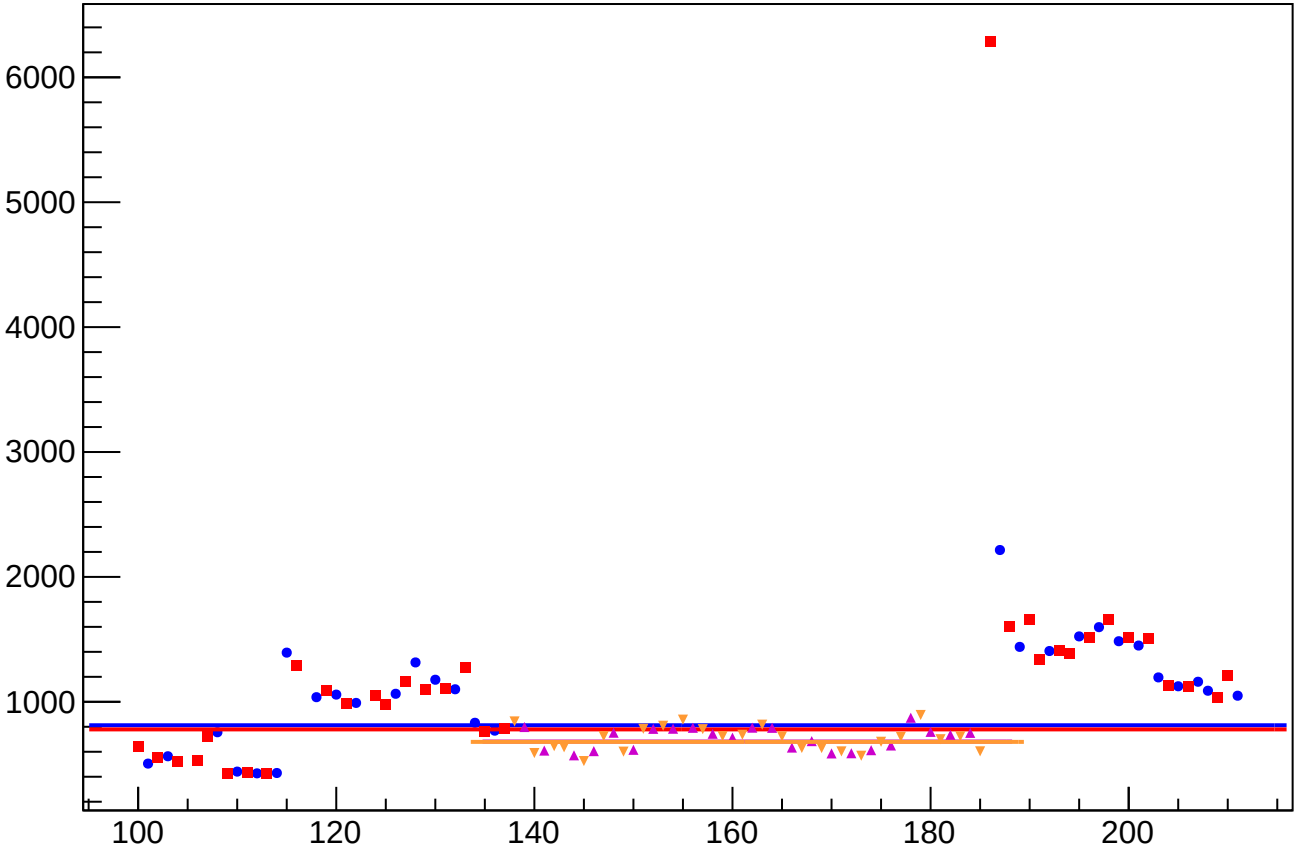
+ sign 97.348+/-0.012 χ^2/NDF: 2922892.9/52

All: 97.212+/-0.008 χ^2/NDF: 7119758.9/108

- sign 97.075+/-0.012 χ^2/NDF: 4196595.3/55


asym_sam_1548_avg_eigen_cor_correction_mean vs Slug
25000
20000
15000
10000
5000
0
−5000
100
120
140
160
180
200
Right In: -345.508+/-219.314 χ²/NDF: 33.7/27
Left Out: -738.352+/-156.311 χ²/NDF:49.7/24
Right Out: -783.564+/-207.056 χ²/NDF: 42.7/32
Left In: -115.639+/-160.990 χ²/NDF:23.7/22
+ sign -606.018+/-127.289 χ²/NDF: 85.5/52
All: -486.471+/-89.938 χ²/NDF: 160.3/108
- sign -367.291+/-127.094 χ²/NDF: 73.0/55

asym_sam_1548_avg_eigen_cor_correction_rms vs Slug



Right In: 812.211+/-0.155 χ^2/NDF: 5572590.5/27

Left Out: 679.146+/-0.111 χ^2/NDF:737418.6/24

Right Out: 779.082+/-0.146 χ^2/NDF: 7589786.2/32

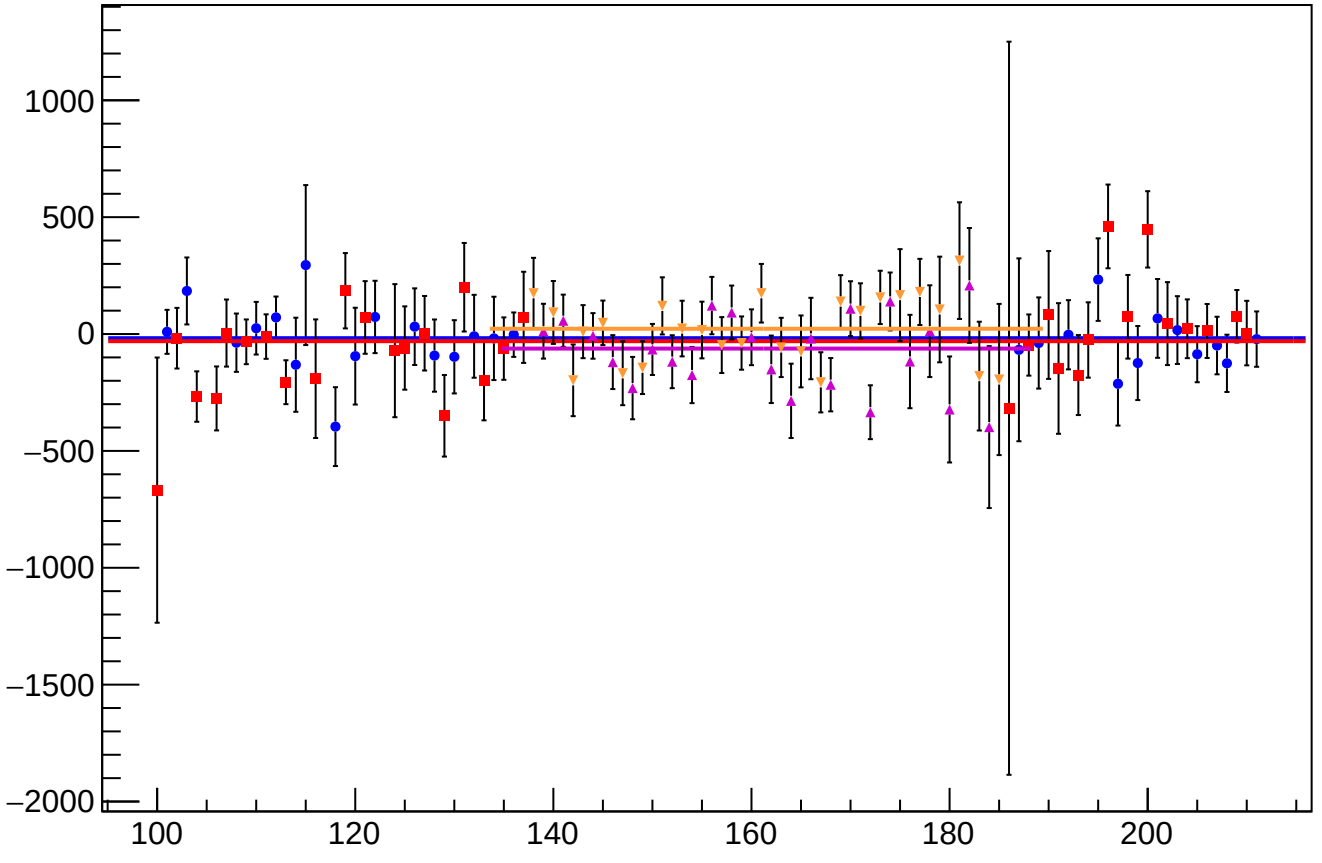
Left In: 681.893+/-0.114 χ^2/NDF:573813.6/22

+ sign 723.971+/-0.090 χ^2/NDF: 6798245.1/52

All: 721.236+/-0.064 χ^2/NDF: 15238308.1/10

- sign 718.510+/-0.090 χ^2/NDF: 8438220.0/55

dit_asym_sam_1548_avg_mean vs Slug



Right In: -17.779+/-26.774 χ^2/NDF: 15.7/27

Left Out: 22.542+/-26.643 χ^2/NDF:21.6/24

Right Out: -30.533+/-25.836 χ^2/NDF: 40.7/32

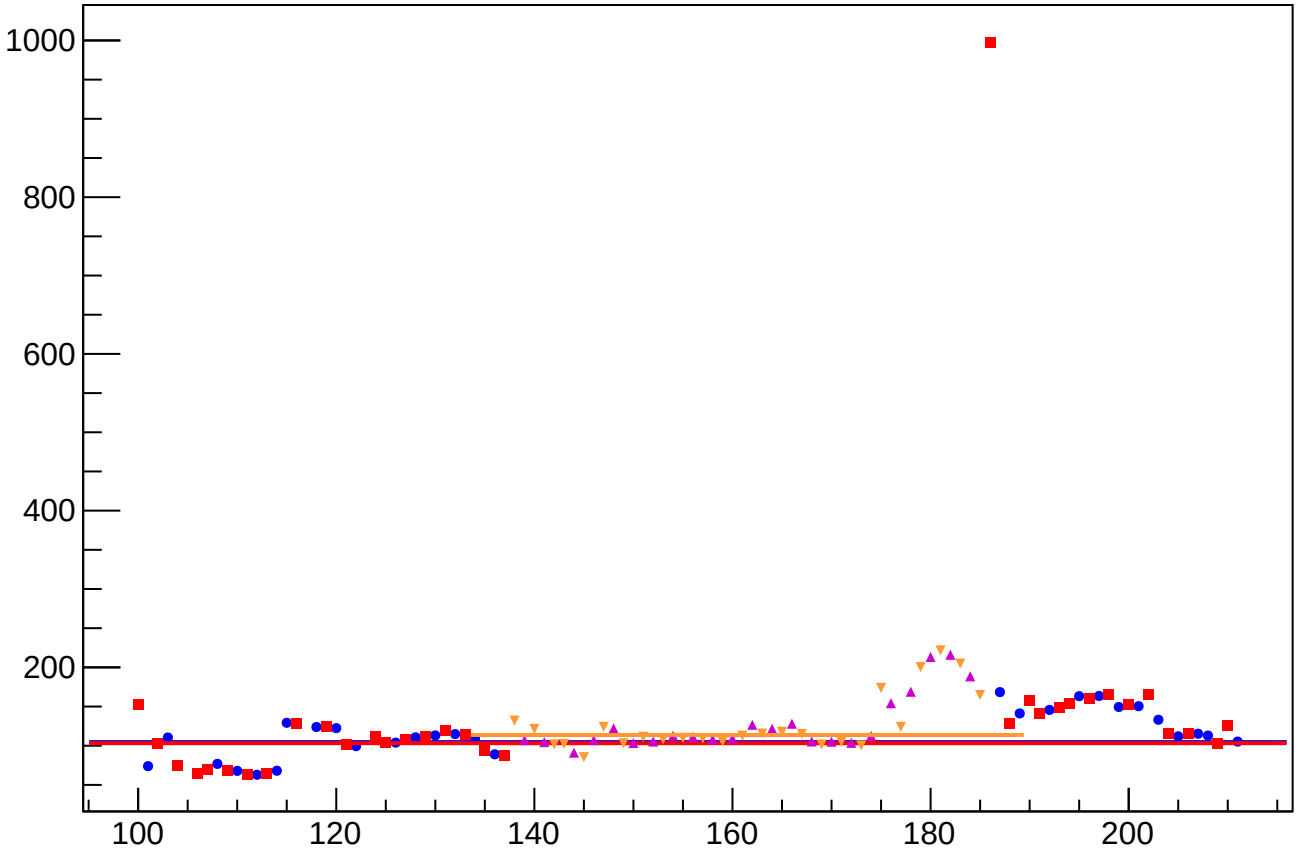
Left In: -62.169+/-27.339 χ^2/NDF:27.3/22

+ sign 2.480+/-18.886 χ^2/NDF: 38.4/52

All: -21.626+/-13.316 χ^2/NDF: 110.4/108

- sign -45.458+/-18.778 χ^2/NDF: 68.7/55

dit_asym_sam_1548_avg_rms vs Slug



Right In: 104.620+/-0.019 χ^2/NDF: 2285028.2/27

Left Out: 113.766+/-0.019 χ^2/NDF:1579920.3/24

Right Out: 103.236+/-0.018 χ^2/NDF: 3639700.4/32

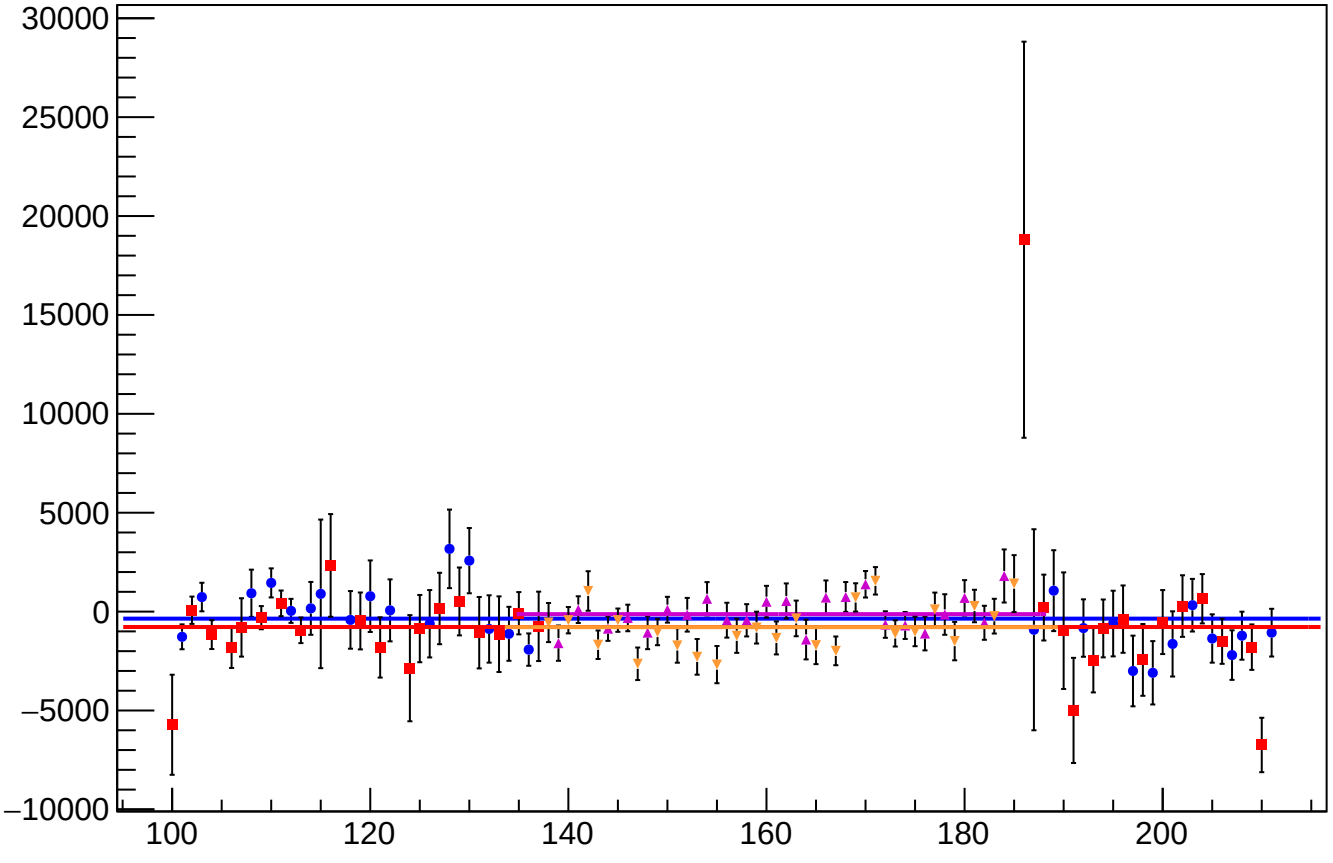
Left In: 113.677+/-0.019 χ^2/NDF:1316044.6/22

+ sign 109.215+/-0.013 χ^2/NDF: 3982210.6/52

All: 108.686+/-0.009 χ^2/NDF: 9095166.1/108

- sign 108.162+/-0.013 χ^2/NDF: 5109824.1/55

asym_sam_1548_avg_dit_correction_mean vs Slug



Right In: -355.549+/-222.029 χ^2/NDF: 33.5/27

Left Out: -784.286+/-160.482 χ^2/NDF:45.4/24

Right Out: -779.656+/-209.442 χ^2/NDF: 45.1/32

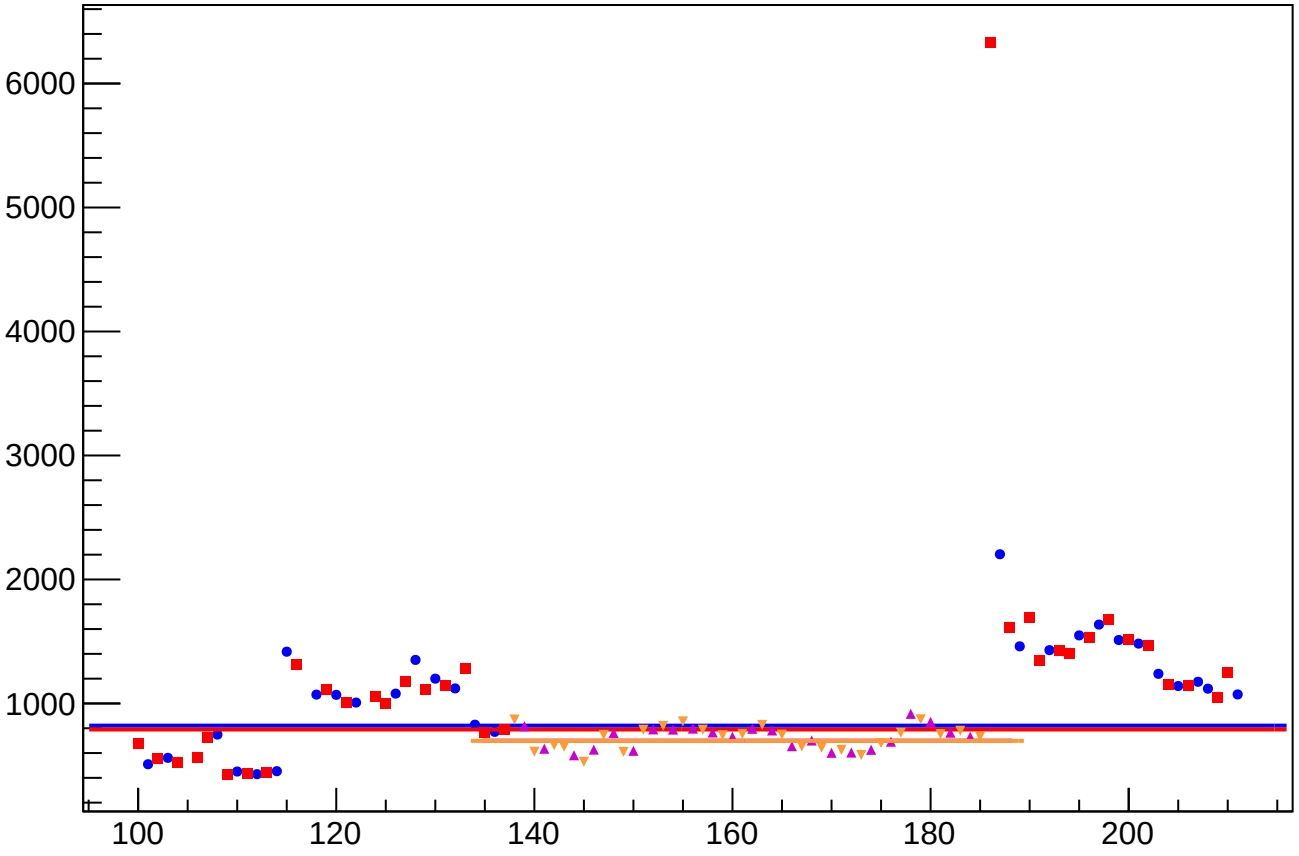
Left In: -128.155+/-165.255 χ^2/NDF:22.7/22

+ sign -637.161+/-130.064 χ^2/NDF: 81.3/52

All: -507.317+/-91.852 χ^2/NDF: 157.1/108

- sign -378.130+/-129.734 χ^2/NDF: 73.8/55

asym_sam_1548_avg_dit_correction_rms vs Slug



Right In: 821.118+/-0.157 χ^2/NDF: 5673163.6/27

Left Out: 698.237+/-0.113 χ^2/NDF:714686.8/24

Right Out: 790.088+/-0.148 χ^2/NDF: 7550495.0/32

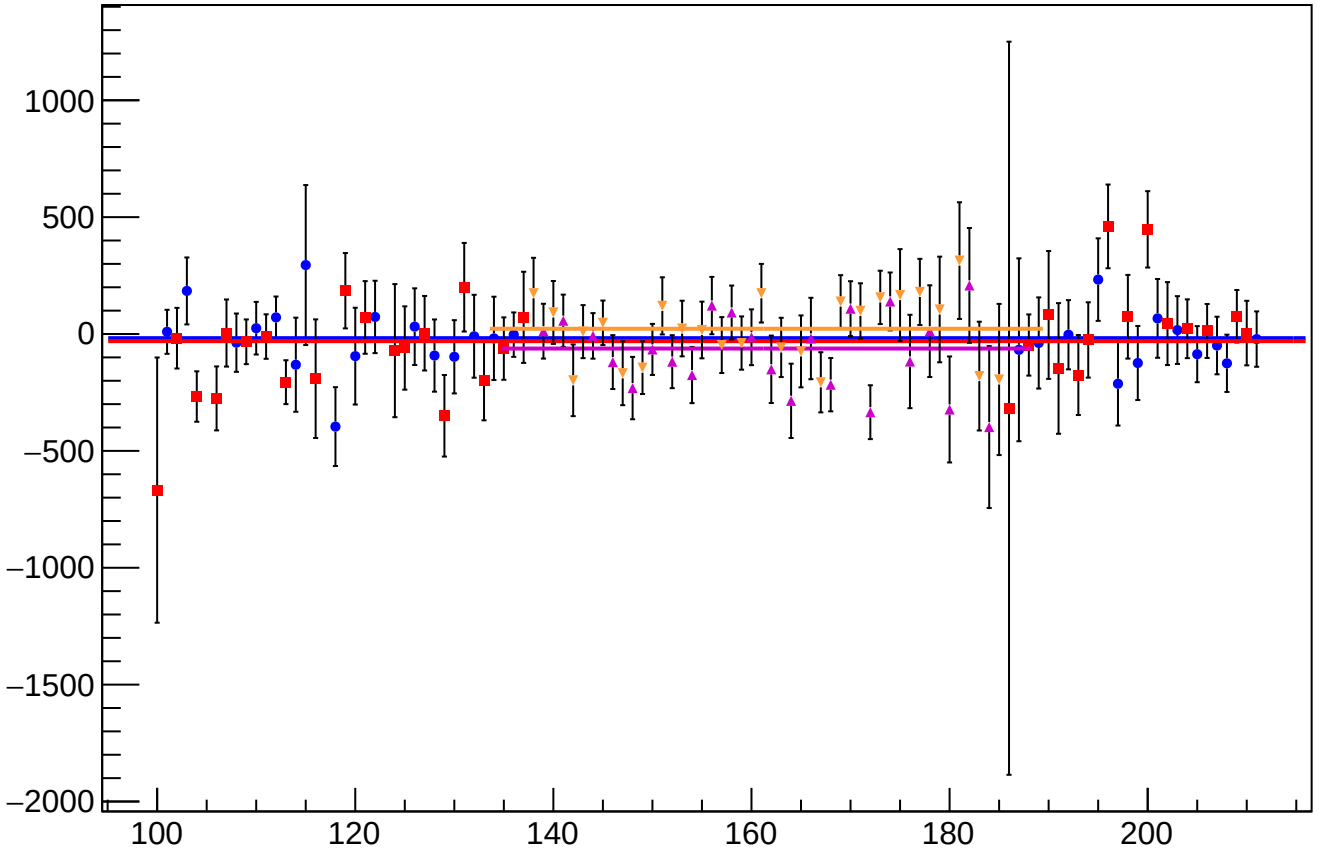
Left In: 700.079+/-0.117 χ^2/NDF:584318.7/22

+ sign 740.405+/-0.092 χ^2/NDF: 6790235.0/52

All: 737.502+/-0.065 χ^2/NDF: 15154688.1/10

- sign 734.615+/-0.092 χ^2/NDF: 8362466.4/55

eigen_dit_asym_sam_1548_avg_mean vs Slug



Right In: -17.778+/-26.774 χ^2/NDF: 15.7/27

Left Out: 22.544+/-26.643 χ^2/NDF:21.6/24

Right Out: -30.532+/-25.836 χ^2/NDF: 40.7/32

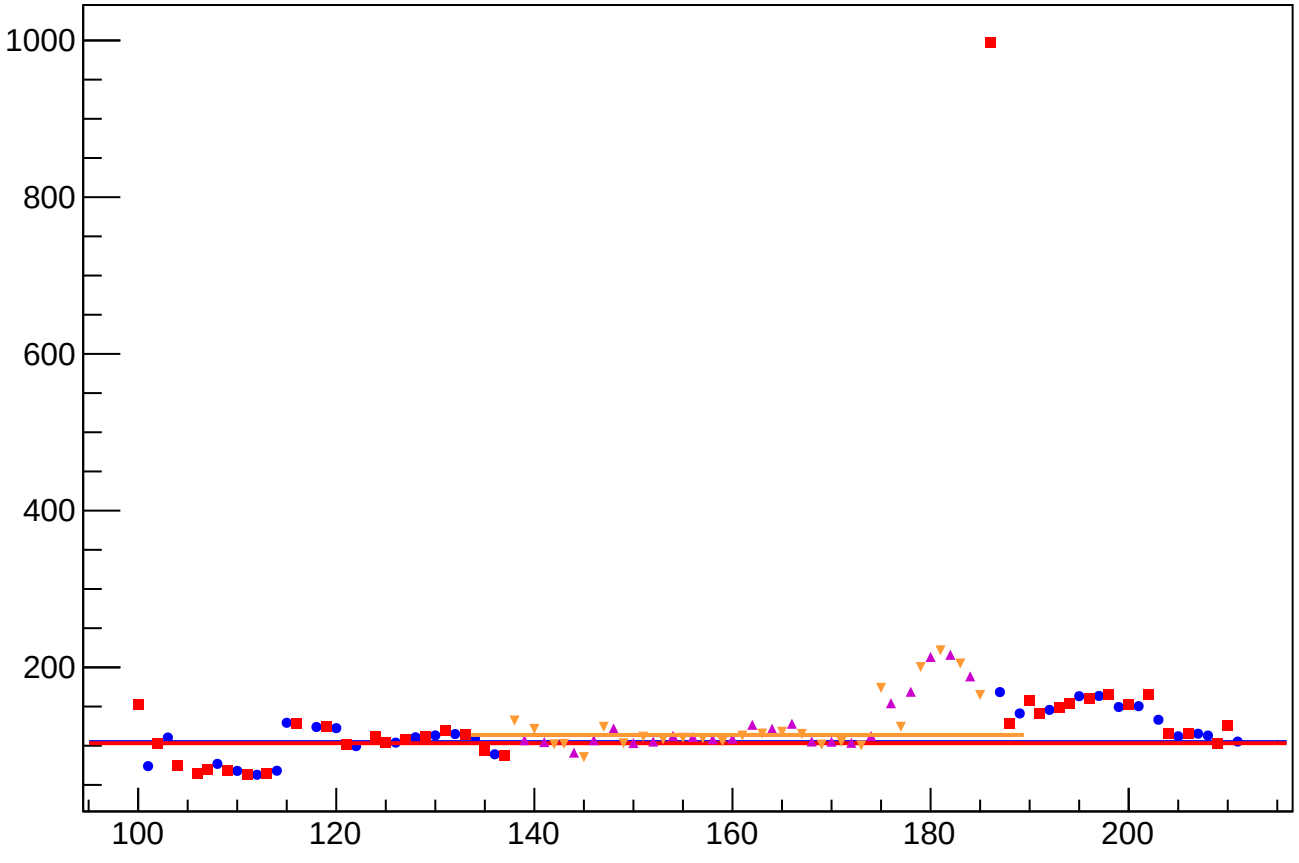
Left In: -62.169+/-27.339 χ^2/NDF:27.3/22

+ sign 2.481+/-18.886 χ^2/NDF: 38.4/52

All: -21.625+/-13.316 χ^2/NDF: 110.4/108

- sign -45.457+/-18.778 χ^2/NDF: 68.7/55

eigen_dit_asym_sam_1548_avg_rms vs Slug



Right In: 104.620+/-0.019 χ^2/NDF: 2285015.0/27

Left Out: 113.766+/-0.019 χ^2/NDF:1579910.8/24

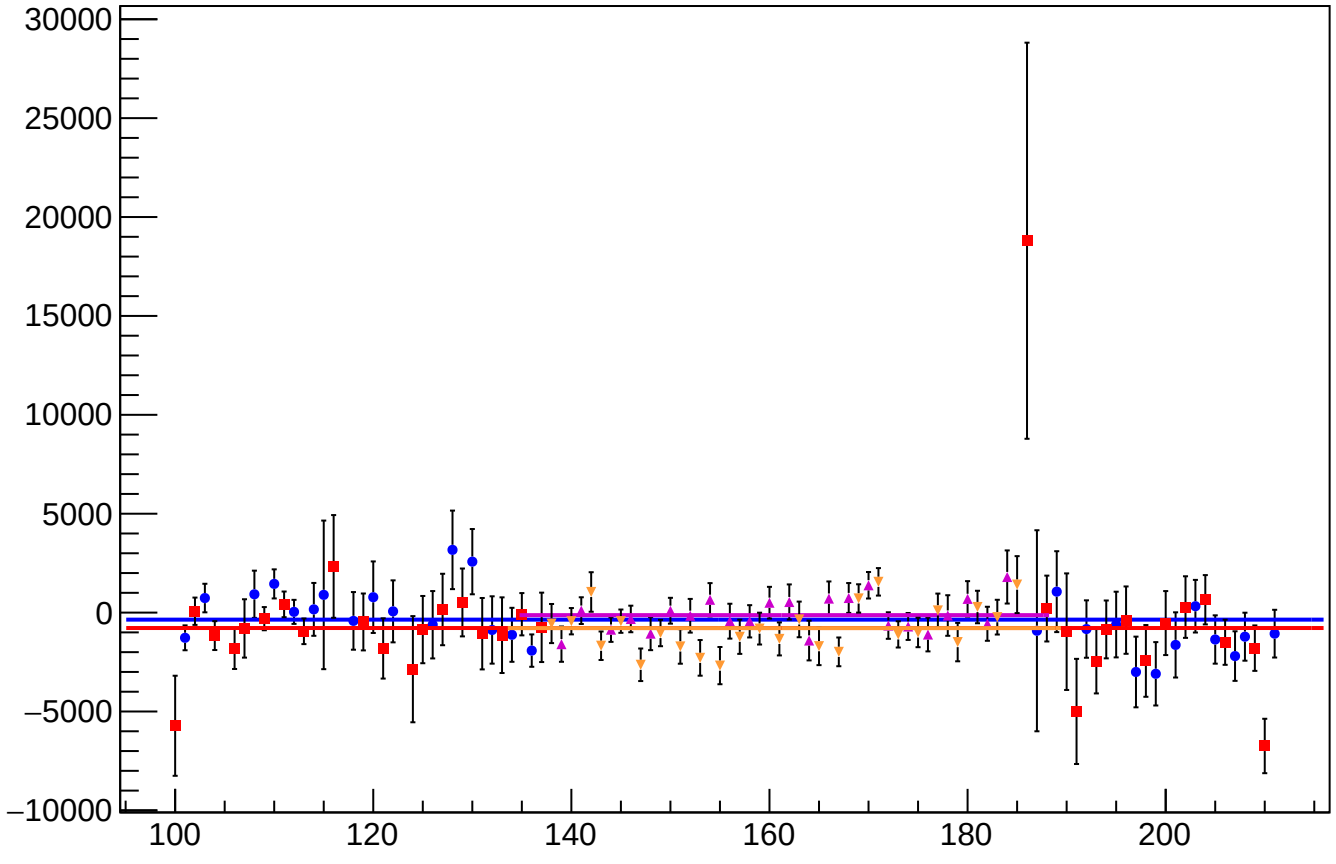
Right Out: 103.236+/-0.018 χ^2/NDF: 3639702.9/32

Left In: 113.677+/-0.019 χ^2/NDF:1316023.5/22

+ sign 109.215+/-0.013 χ^2/NDF: 3982192.2/52

All: 108.686+/-0.009 χ^2/NDF: 9095135.3/108

- sign 108.162+/-0.013 χ^2/NDF: 5109811.8/55



Right In: -355.548+/-222.028 χ^2/NDF: 33.5/27

Left Out: -784.284+/-160.482 χ^2/NDF:45.4/24

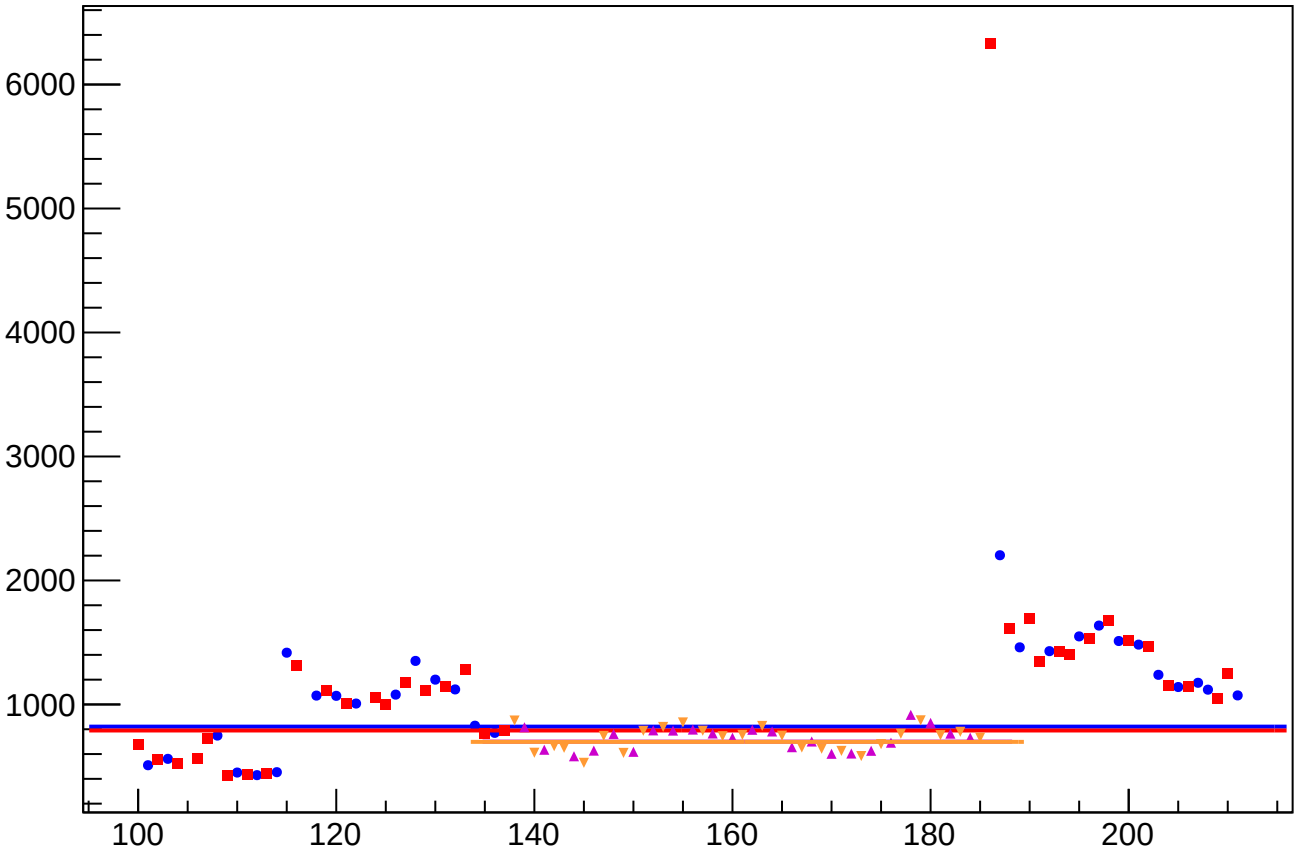
Right Out: -779.655+/-209.442 χ^2/NDF: 45.1/32

Left In: -128.154+/-165.255 χ^2/NDF:22.7/22

+ sign -637.160+/-130.064 χ^2/NDF: 81.3/52

All: -507.316+/-91.852 χ^2/NDF: 157.1/108

- sign -378.129+/-129.734 χ^2/NDF: 73.8/55



Right In: 821.117+/-0.157 χ^2/NDF: 5673166.2/27

Left Out: 698.236+/-0.113 χ^2/NDF:714685.1/24

Right Out: 790.087+/-0.148 χ^2/NDF: 7550491.7/32

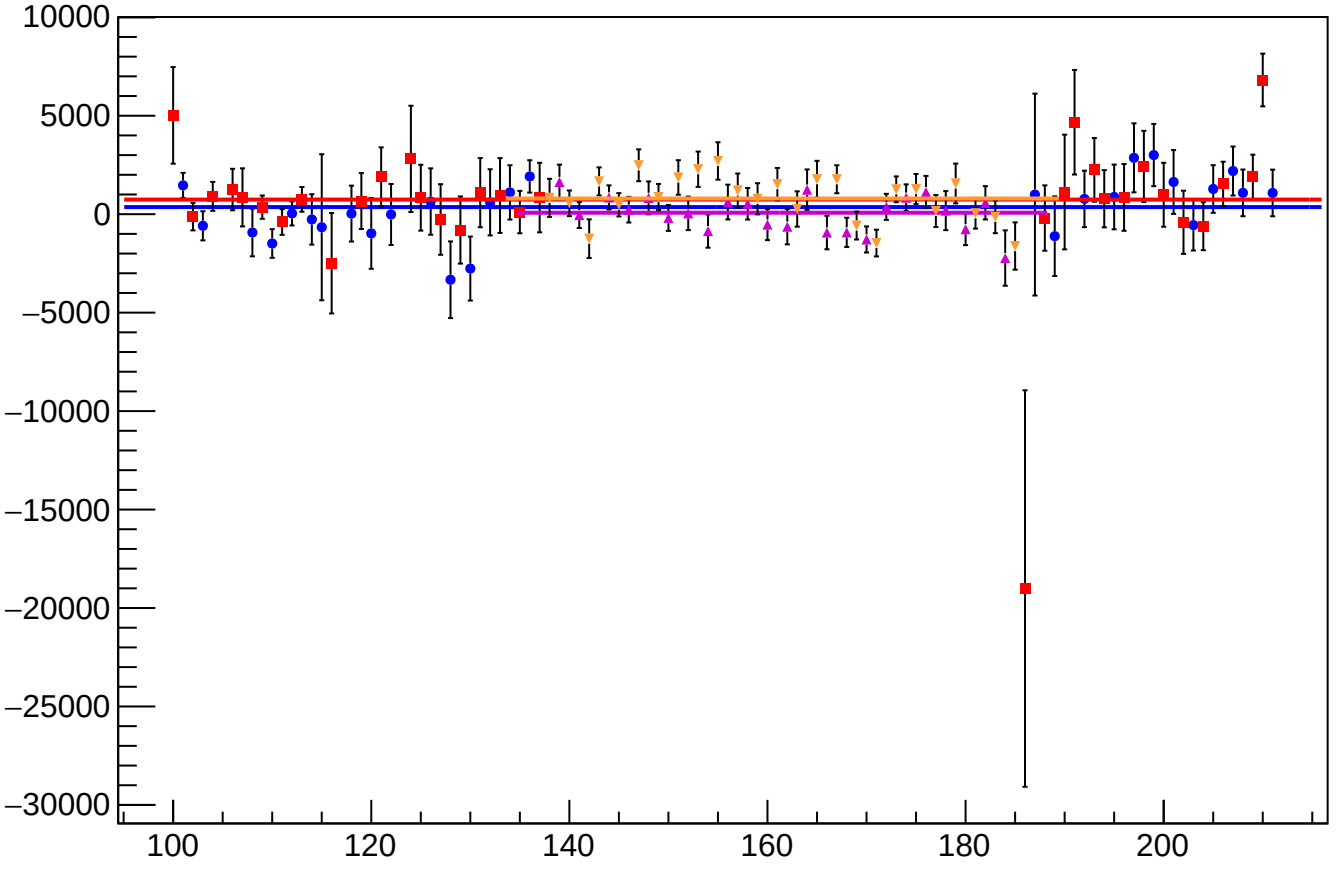
Left In: 700.079+/-0.117 χ^2/NDF:584314.1/22

+ sign 740.404+/-0.092 χ^2/NDF: 6790235.9/52

All: 737.502+/-0.065 χ^2/NDF: 15154680.3/10

- sign 734.614+/-0.092 χ^2/NDF: 8362457.8/55

asym_sam_1548_avg_mean vs Slug



Right In: 360.389+/-221.299 χ^2/NDF: 34.9/27

Left Out: 796.905+/-158.142 χ^2/NDF:46.4/24

Right Out: 741.786+/-208.888 χ^2/NDF: 44.7/32

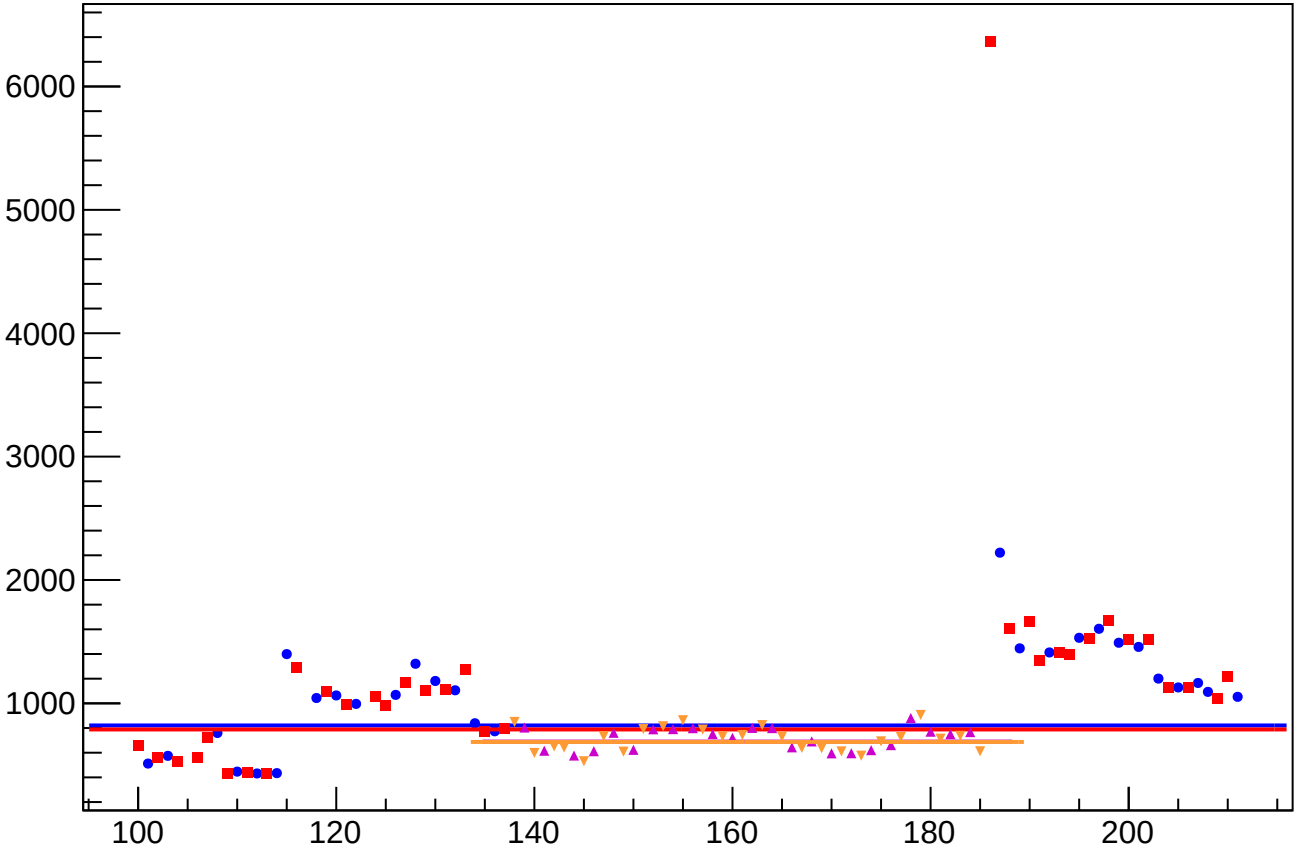
Left In: 73.501+/-162.879 χ^2/NDF:24.9/22

+ sign 649.346+/-128.666 χ^2/NDF: 83.8/52

All: 487.490+/-90.903 χ^2/NDF: 162.9/108

- sign 326.186+/-128.447 χ^2/NDF: 75.9/55

asym_sam_1548_avg_rms vs Slug



Right In: 820.827+/-0.156 χ^2/NDF: 5482573.3/27

Left Out: 687.243+/-0.112 χ^2/NDF:727994.0/24

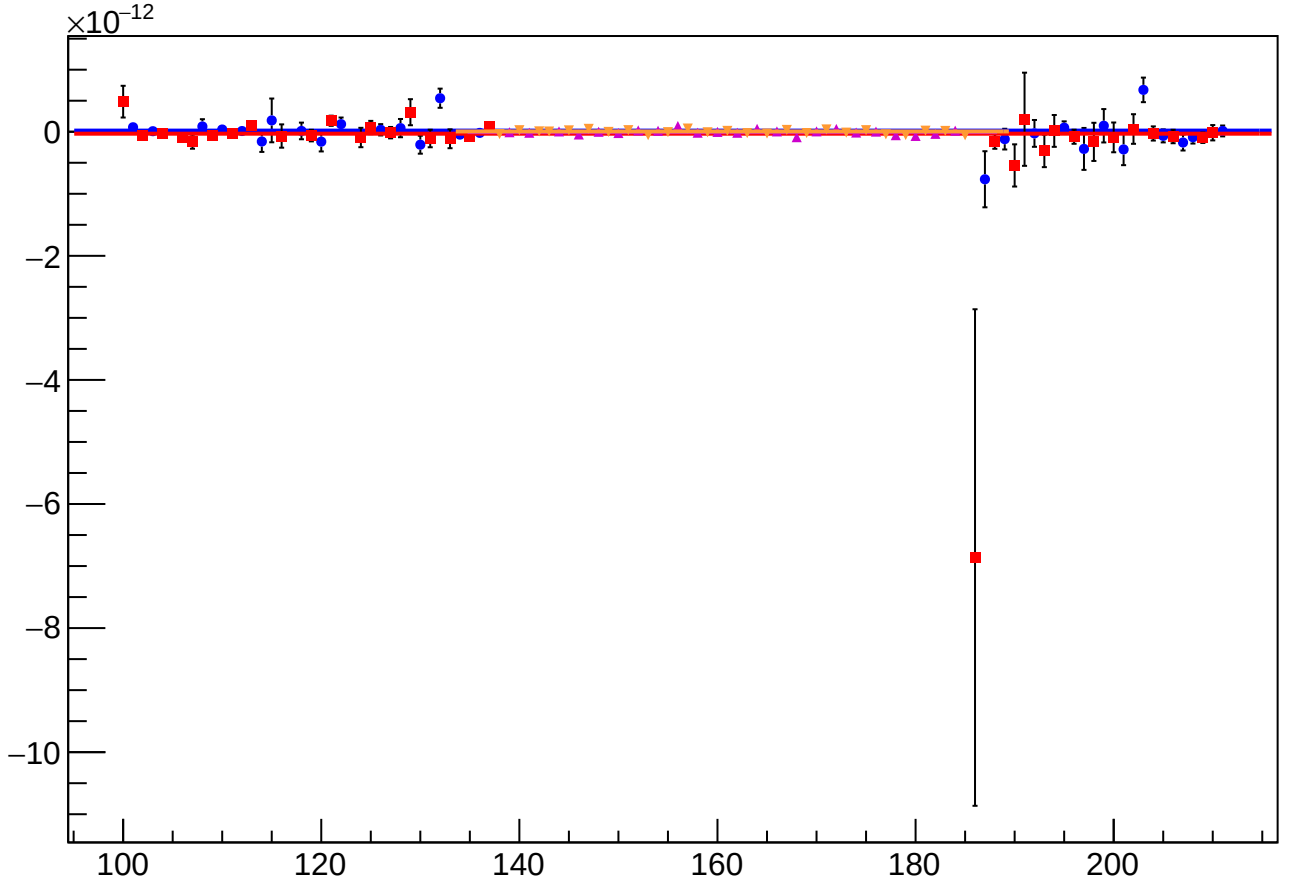
Right Out: 788.517+/-0.148 χ^2/NDF: 7470229.7/32

Left In: 689.997+/-0.115 χ^2/NDF:567089.0/22

+ sign 732.400+/-0.091 χ^2/NDF: 6692976.0/52

All: 729.820+/-0.064 χ^2/NDF: 15008571.5/10

- sign 727.248+/-0.091 χ^2/NDF: 8313989.7/55



Right In: 0.000+/-0.000 χ^2/NDF: 44.9/27

Left Out: 0.000+/-0.000 χ^2/NDF:22.0/24

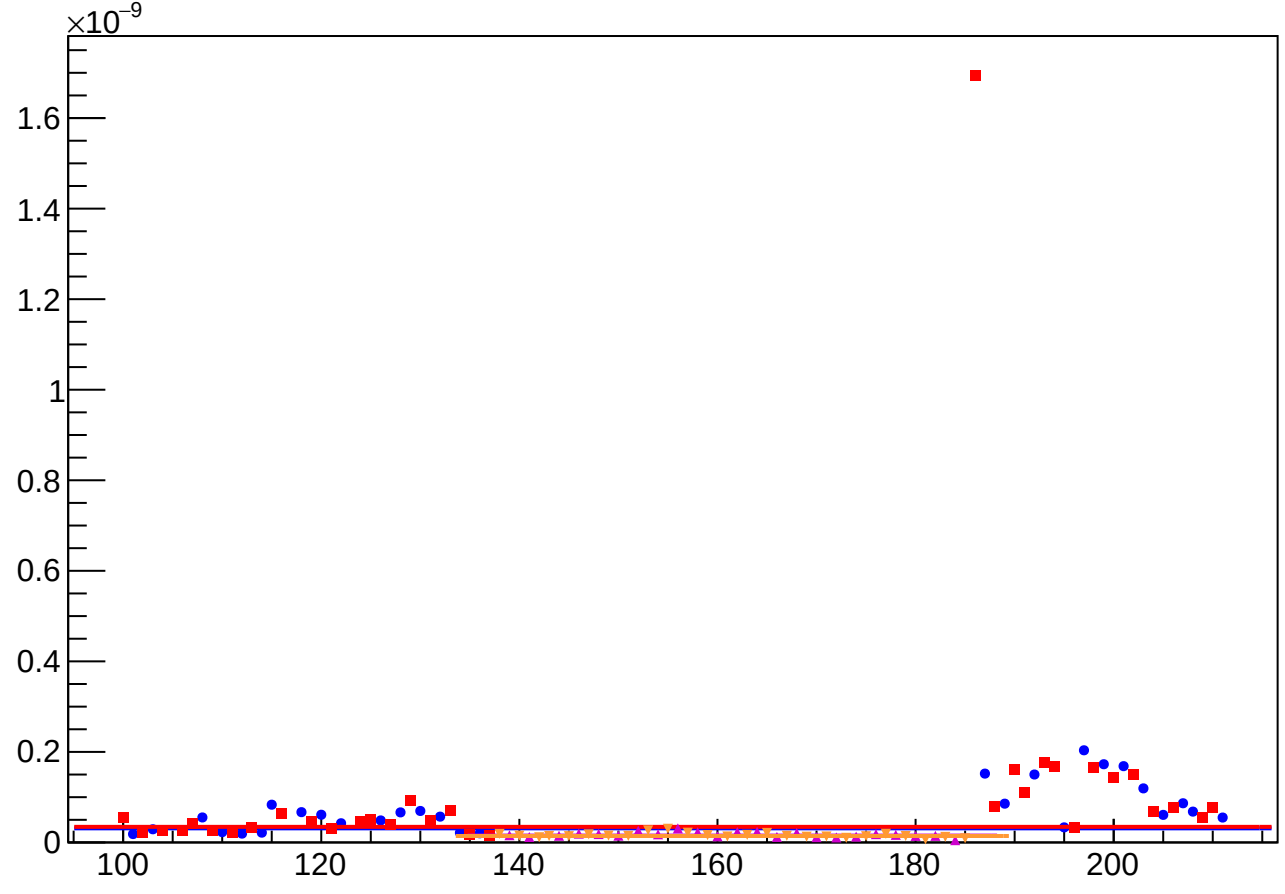
Right Out: -0.000+/-0.000 χ^2/NDF: 34.9/32

Left In: -0.000+/-0.000 χ^2/NDF:26.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 67.6/52

All: -0.000+/-0.000 χ^2/NDF: 135.8/108

- sign -0.000+/-0.000 χ^2/NDF: 63.8/55



Right In: 0.000+/-0.000 χ^2/NDF: 5579698.4/27

Left Out: 0.000+/-0.000 χ^2/NDF:992947.6/24

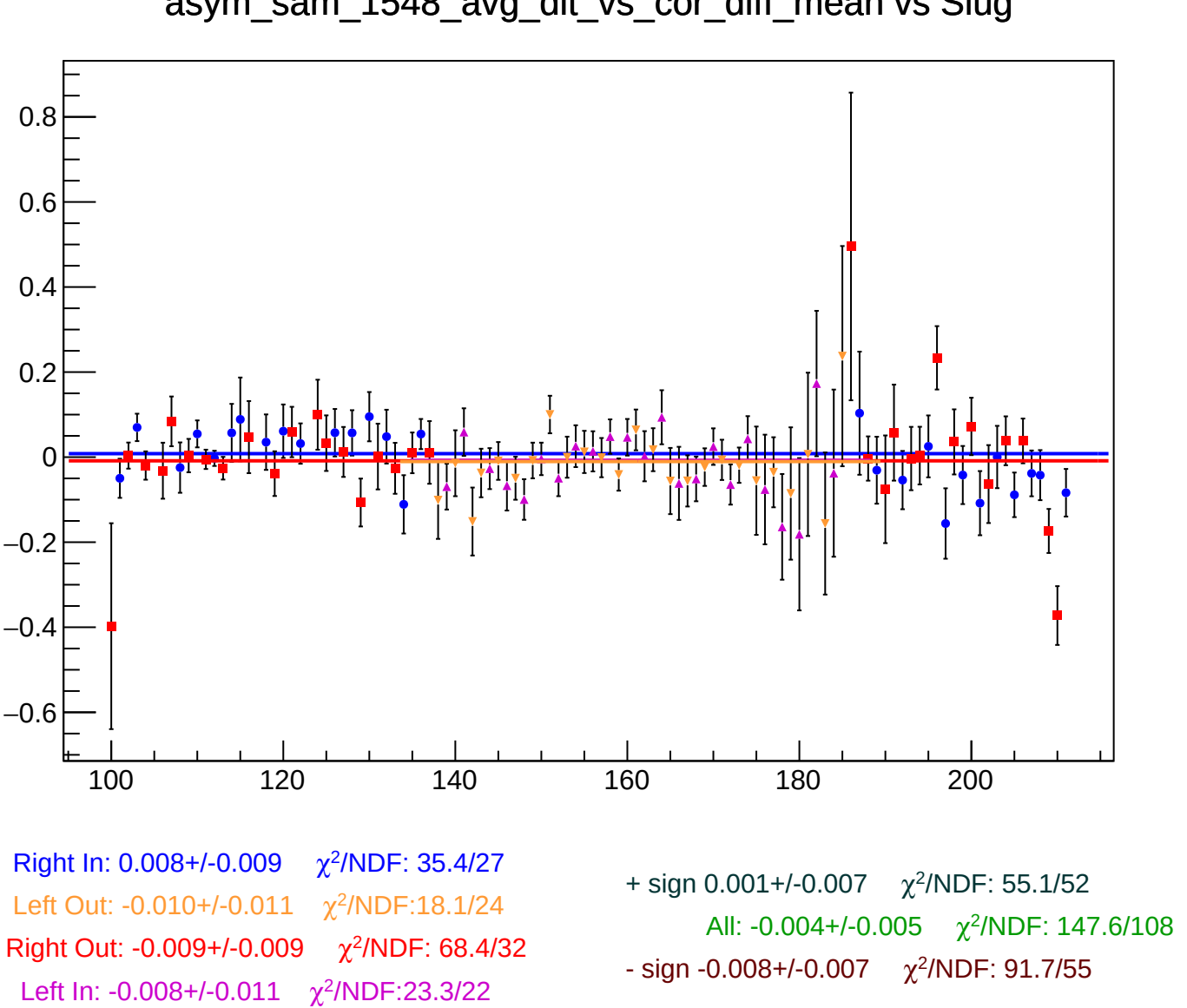
Right Out: 0.000+/-0.000 χ^2/NDF: 5457813.6/32

Left In: 0.000+/-0.000 χ^2/NDF:1107168.2/22

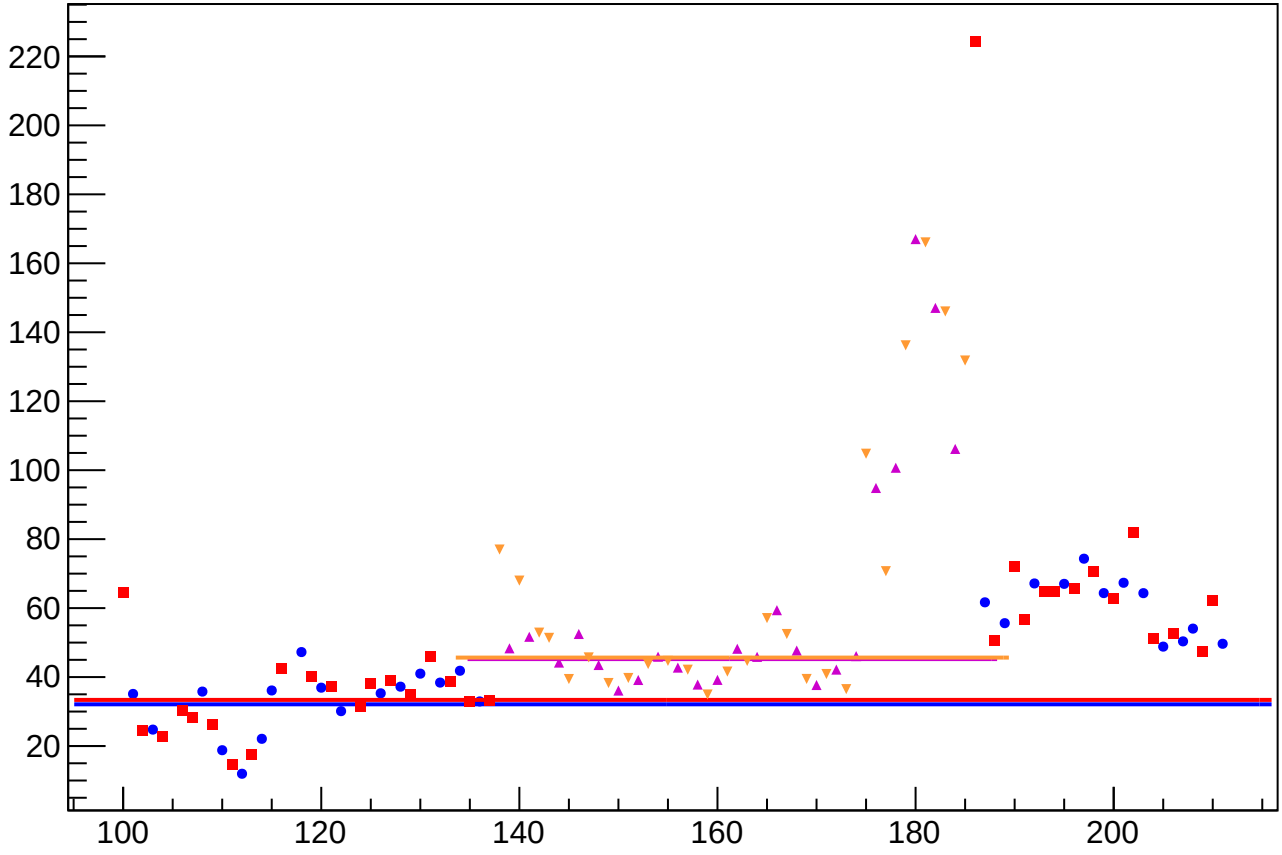
+ sign 0.000+/-0.000 χ^2/NDF: 9006300.3/52

All: 0.000+/-0.000 χ^2/NDF: 18419215.5/108

- sign 0.000+/-0.000 χ^2/NDF: 9357501.2/55


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
Right In: 0.008+/-0.009 χ²/NDF: 35.4/27
Left Out: -0.010+/-0.011 χ²/NDF:18.1/24
Right Out: -0.009+/-0.009 χ²/NDF: 68.4/32
Left In: -0.008+/-0.011 χ²/NDF:23.3/22
+ sign 0.001+/-0.007 χ²/NDF: 55.1/52
All: -0.004+/-0.005 χ²/NDF: 147.6/108
- sign -0.008+/-0.007 χ²/NDF: 91.7/55

asym_sam_1548_avg_dit_vs_cor_diff_rms vs Slug



Right In: 32.100+/-0.006 χ^2/NDF: 7258095.6/27

Left Out: 45.650+/-0.008 χ^2/NDF:4015230.2/24

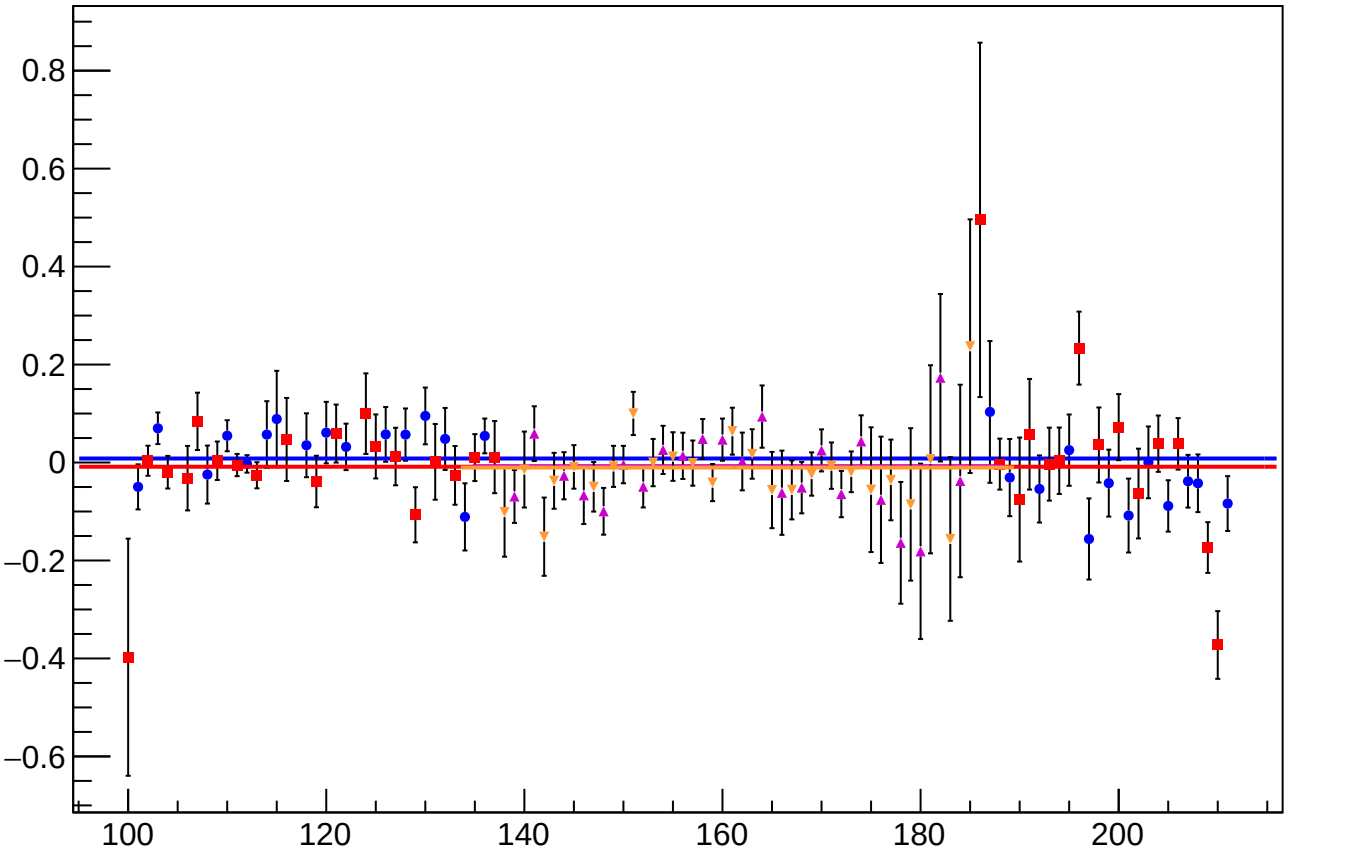
Right Out: 33.378+/-0.006 χ^2/NDF: 7325243.3/32

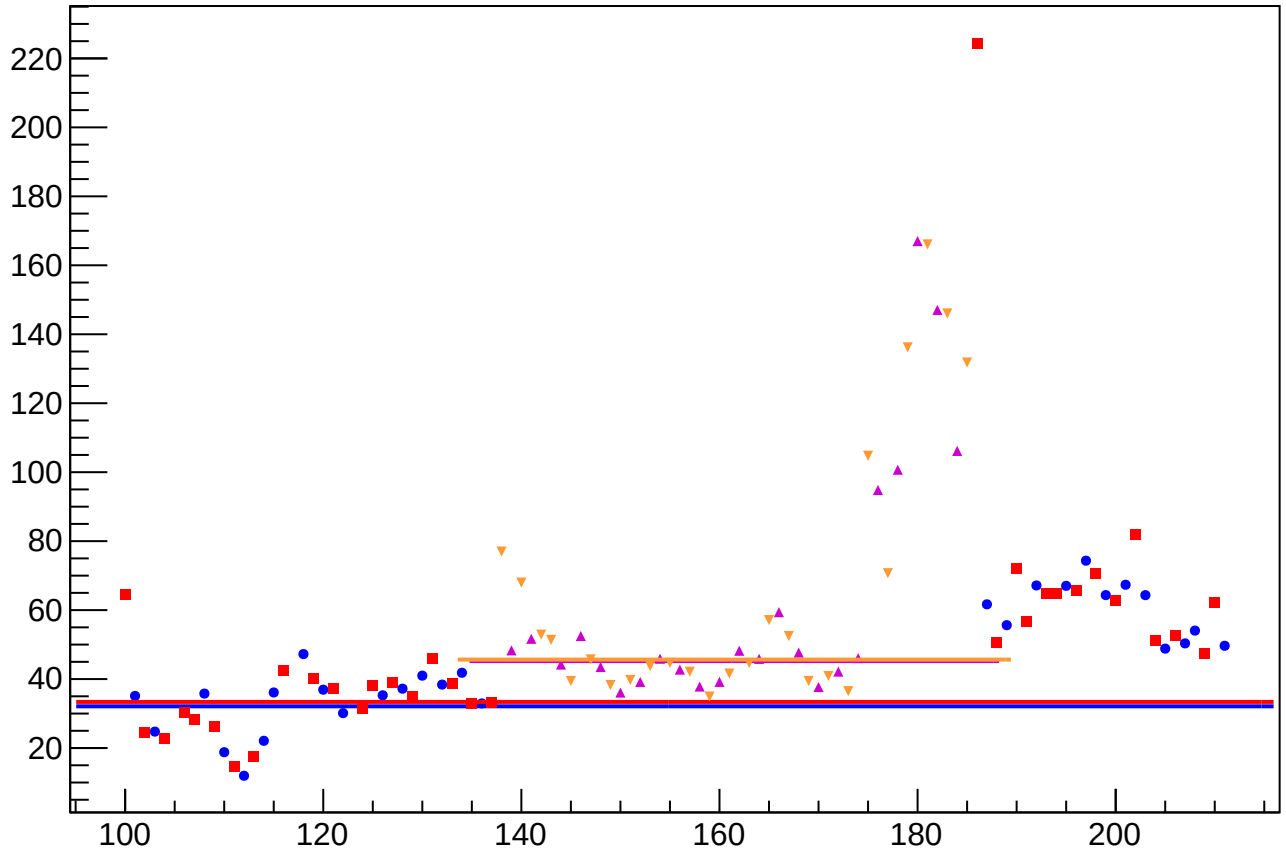
Left In: 45.217+/-0.008 χ^2/NDF:2992534.4/22

+ sign 37.472+/-0.005 χ^2/NDF: 13016677.3/52

All: 37.712+/-0.004 χ^2/NDF: 24659149.8/108

- sign 37.951+/-0.005 χ^2/NDF: 11637918.8/55


asym_sam_1548_avg_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
Right In: 0.008+/-0.009 χ²/NDF: 35.4/27
Left Out: -0.010+/-0.011 χ²/NDF:18.1/24
Right Out: -0.009+/-0.009 χ²/NDF: 68.4/32
Left In: -0.008+/-0.011 χ²/NDF:23.3/22
+ sign 0.001+/-0.007 χ²/NDF: 55.1/52
All: -0.004+/-0.005 χ²/NDF: 147.6/108
- sign -0.008+/-0.007 χ²/NDF: 91.7/55



Right In: 32.100+/-0.006 χ^2/NDF: 7258095.6/27

Left Out: 45.650+/-0.008 χ^2/NDF:4015230.2/24

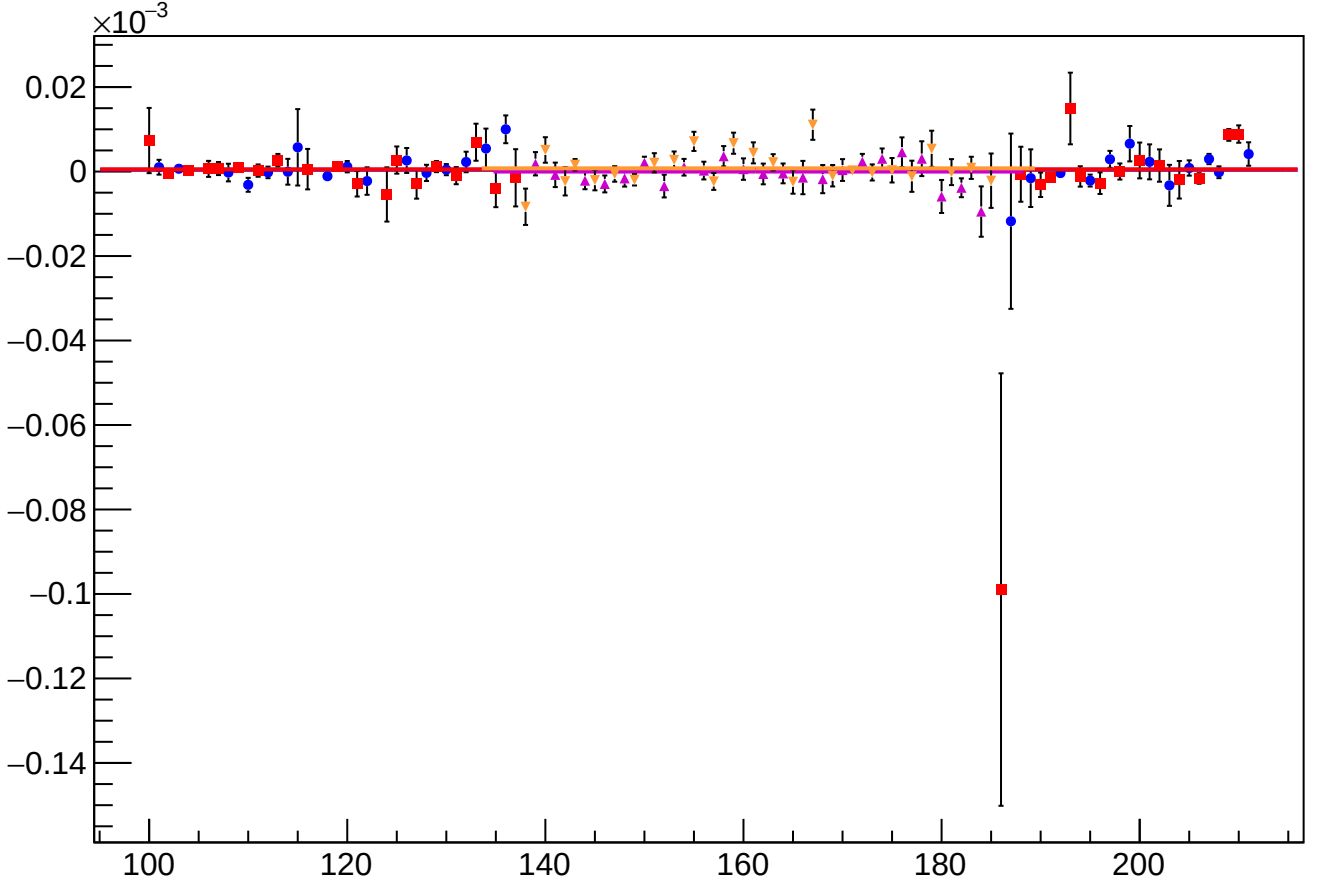
Right Out: 33.378+/-0.006 χ^2/NDF: 7325243.3/32

Left In: 45.217+/-0.008 χ^2/NDF:2992534.4/22

+ sign 37.472+/-0.005 χ^2/NDF: 13016677.3/52

All: 37.712+/-0.004 χ^2/NDF: 24659149.8/108

- sign 37.951+/-0.005 χ^2/NDF: 11637918.8/55



Right In: 0.000+/-0.000 χ^2/NDF: 34.5/27

Left Out: 0.000+/-0.000 χ^2/NDF:46.2/24

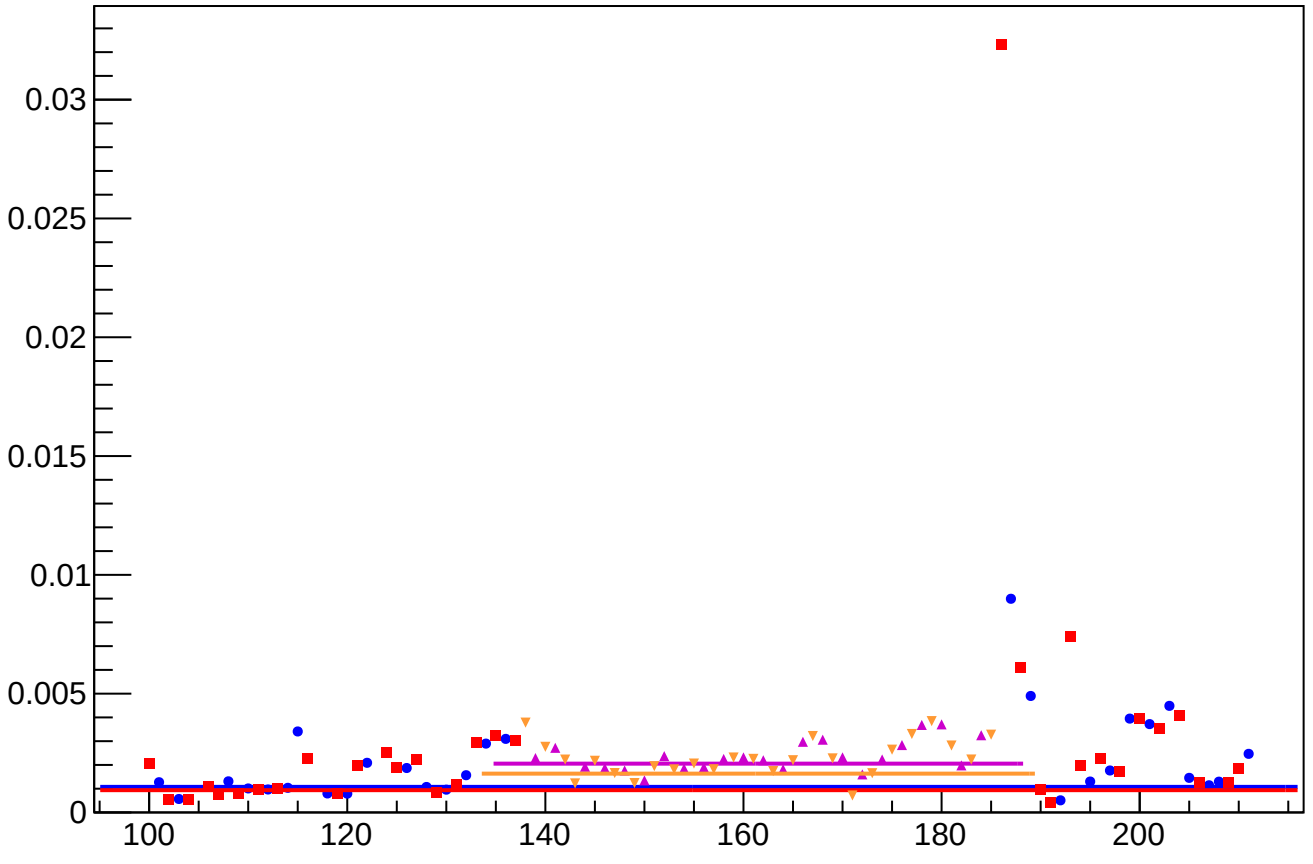
Right Out: 0.000+/-0.000 χ^2/NDF: 82.9/32

Left In: 0.000+/-0.000 χ^2/NDF:24.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 81.0/52

All: 0.000+/-0.000 χ^2/NDF: 189.5/108

- sign 0.000+/-0.000 χ^2/NDF: 108.2/55



Right In: 0.001+/-0.000 χ^2/NDF: 8019924.7/27

Left Out: 0.002+/-0.000 χ^2/NDF:6495366.7/24

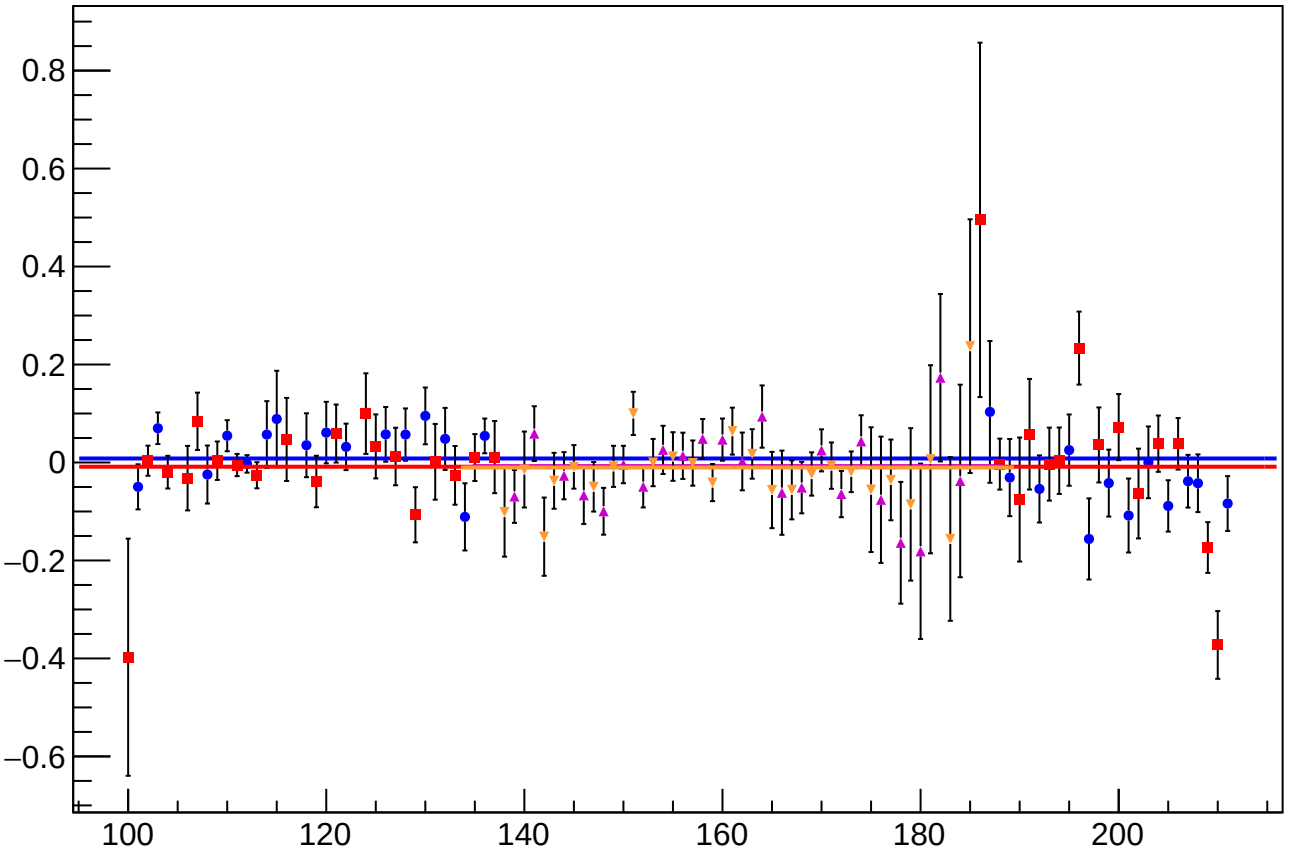
Right Out: 0.001+/-0.000 χ^2/NDF: 12437819.9/32

Left In: 0.002+/-0.000 χ^2/NDF:2093048.8/22

+ sign 0.001+/-0.000 χ^2/NDF: 16784848.0/52

All: 0.001+/-0.000 χ^2/NDF: 38952730.0/108

- sign 0.001+/-0.000 χ^2/NDF: 22062993.6/55



Right In: 0.008+/-0.009 χ^2/NDF: 35.4/27

Left Out: -0.010+/-0.011 χ^2/NDF:18.1/24

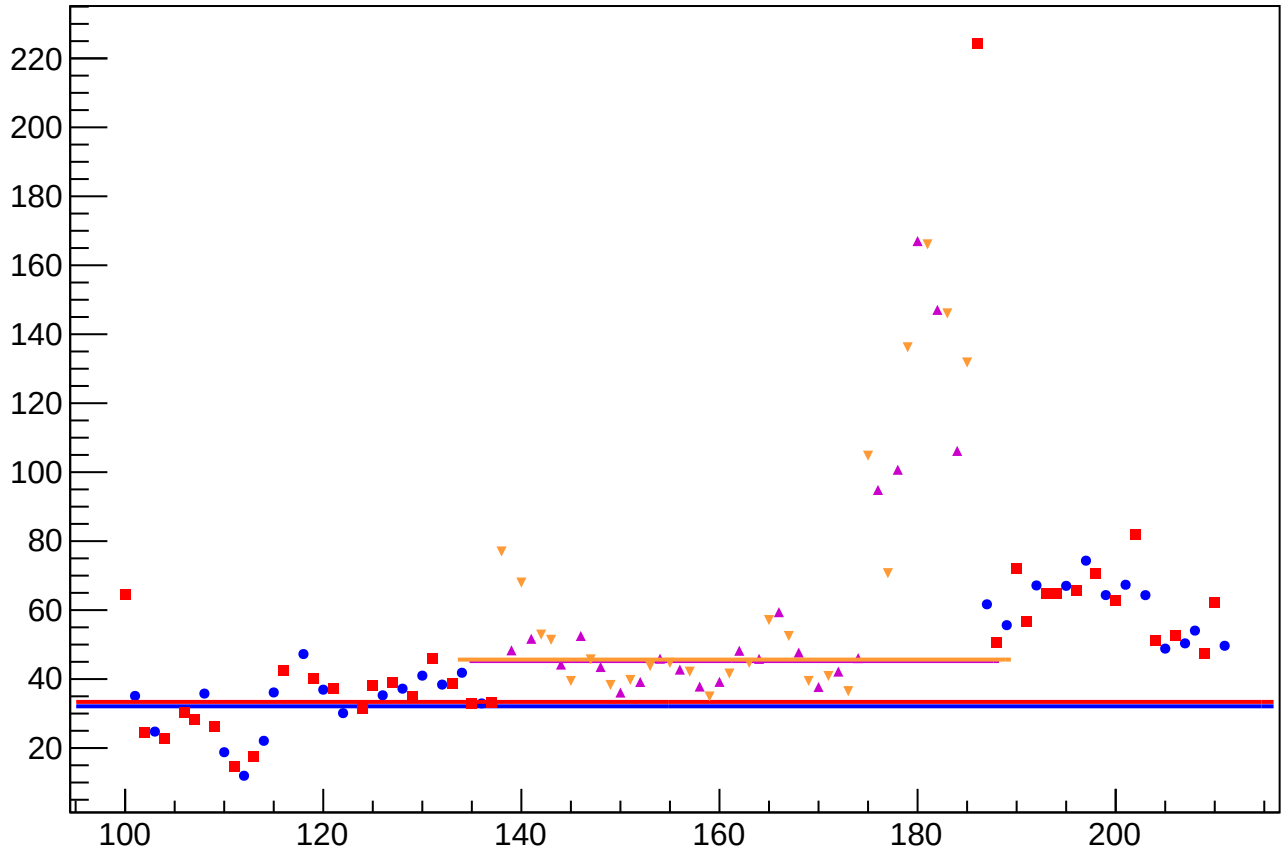
Right Out: -0.009+/-0.009 χ^2/NDF: 68.4/32

Left In: -0.008+/-0.011 χ^2/NDF:23.3/22

+ sign 0.001+/-0.007 χ^2/NDF: 55.1/52

All: -0.004+/-0.005 χ^2/NDF: 147.6/108

- sign -0.008+/-0.007 χ^2/NDF: 91.7/55



Right In: 32.099+/-0.006 χ^2/NDF: 7258392.2/27

Left Out: 45.651+/-0.008 χ^2/NDF:4015154.4/24

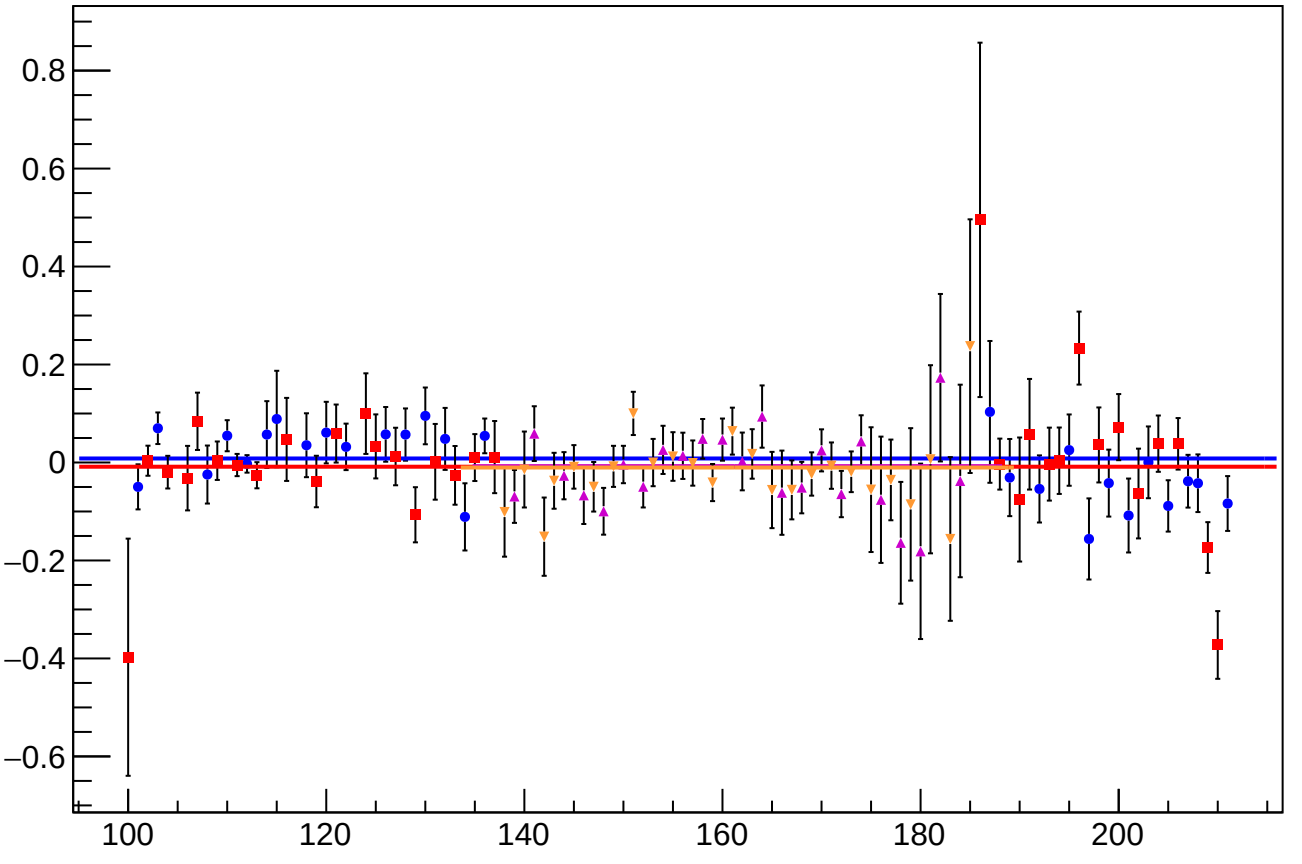
Right Out: 33.377+/-0.006 χ^2/NDF: 7325499.7/32

Left In: 45.218+/-0.008 χ^2/NDF:2992449.1/22

+ sign 37.472+/-0.005 χ^2/NDF: 13017156.2/52

All: 37.712+/-0.004 χ^2/NDF: 24659993.9/108

- sign 37.951+/-0.005 χ^2/NDF: 11638281.2/55



Right In: 0.008+/-0.009 χ^2/NDF: 35.4/27

Left Out: -0.010+/-0.011 χ^2/NDF:18.1/24

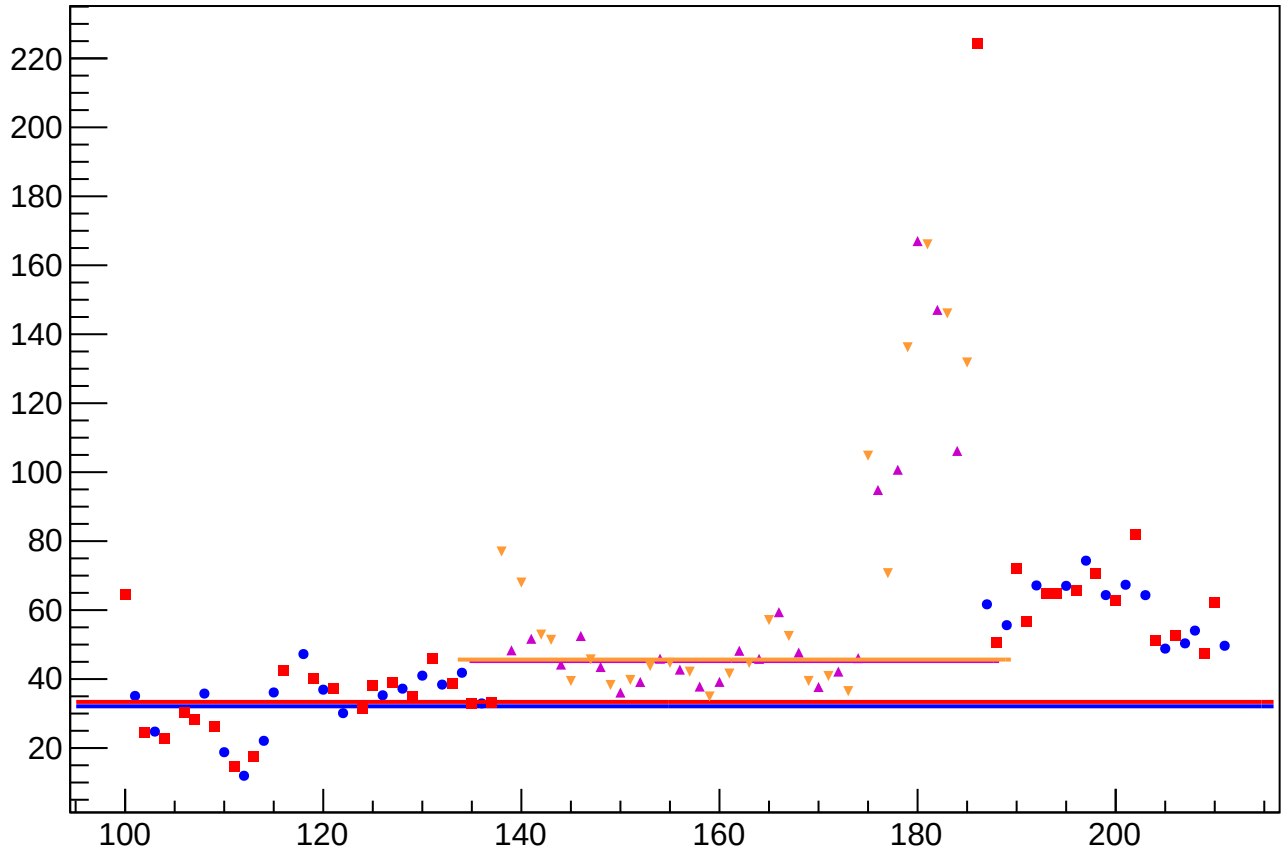
Right Out: -0.009+/-0.009 χ^2/NDF: 68.4/32

Left In: -0.008+/-0.011 χ^2/NDF:23.3/22

+ sign 0.001+/-0.007 χ^2/NDF: 55.1/52

All: -0.004+/-0.005 χ^2/NDF: 147.6/108

- sign -0.008+/-0.007 χ^2/NDF: 91.7/55



Right In: 32.099+/-0.006 χ^2/NDF: 7258392.2/27

Left Out: 45.651+/-0.008 χ^2/NDF:4015154.4/24

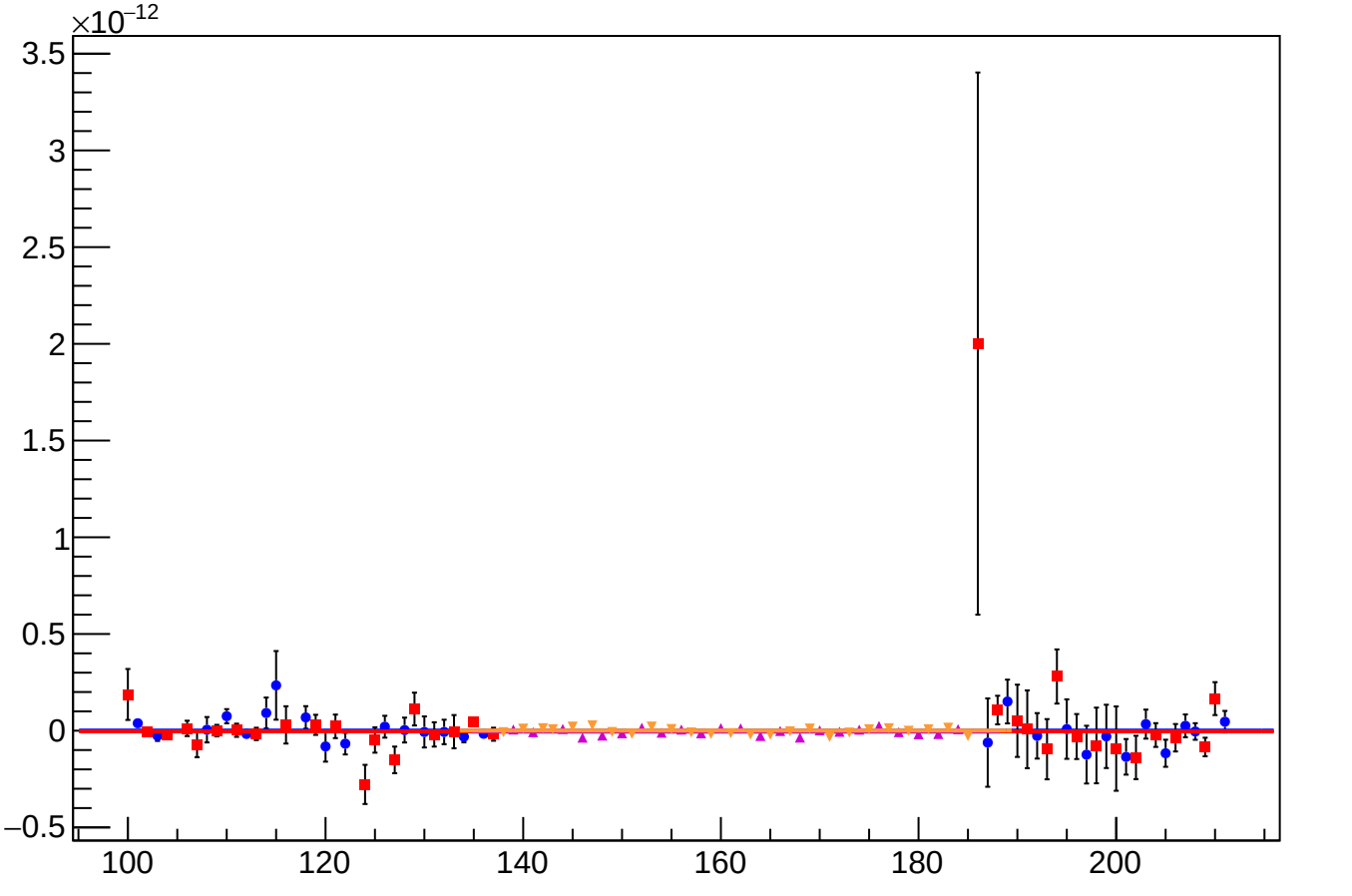
Right Out: 33.377+/-0.006 χ^2/NDF: 7325499.7/32

Left In: 45.218+/-0.008 χ^2/NDF:2992449.1/22

+ sign 37.472+/-0.005 χ^2/NDF: 13017156.2/52

All: 37.712+/-0.004 χ^2/NDF: 24659993.9/108

- sign 37.951+/-0.005 χ^2/NDF: 11638281.2/55



Right In: 0.000+/-0.000 χ^2/NDF: 27.4/27

Left Out: 0.000+/-0.000 χ^2/NDF:25.4/24

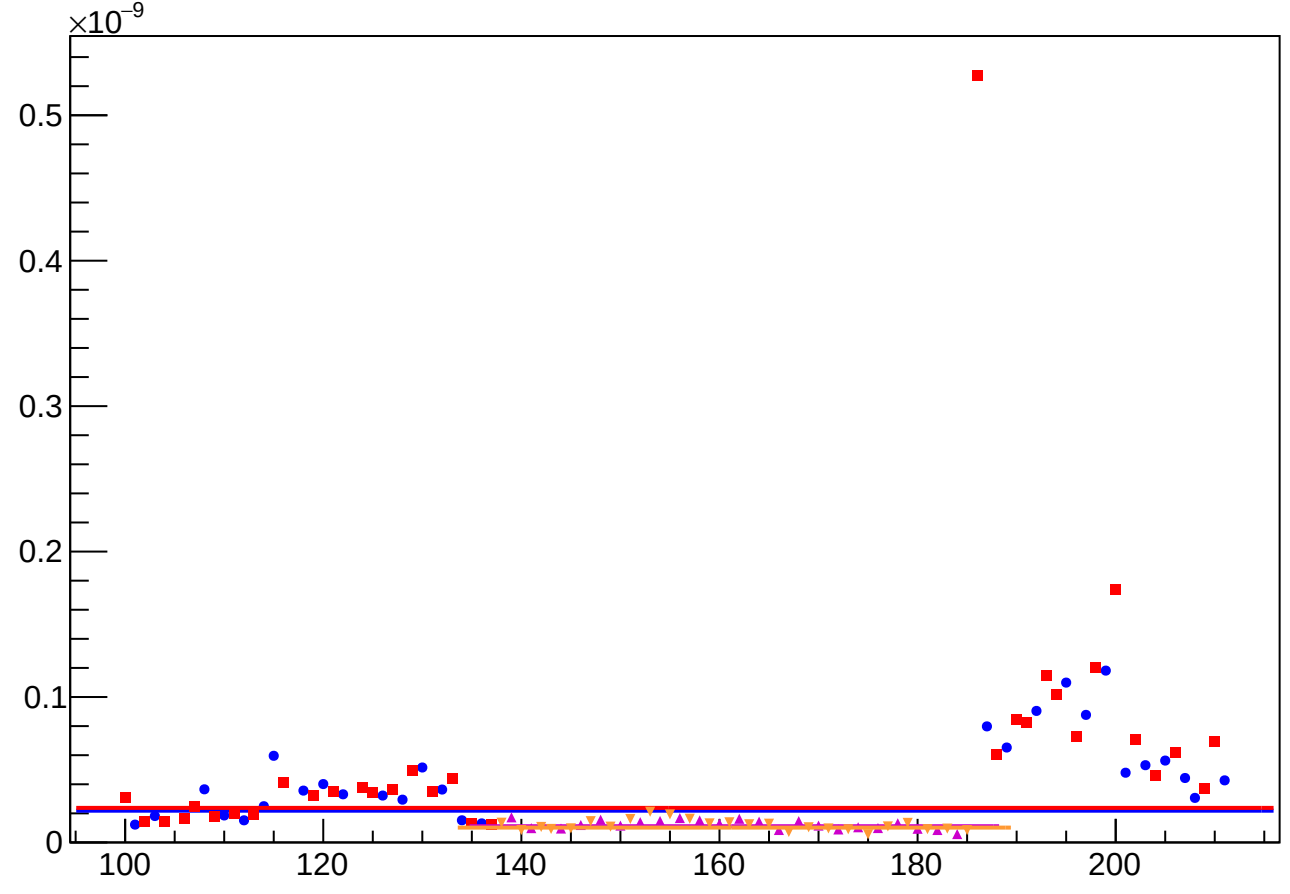
Right Out: -0.000+/-0.000 χ^2/NDF: 41.2/32

Left In: -0.000+/-0.000 χ^2/NDF:23.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 52.8/52

All: -0.000+/-0.000 χ^2/NDF: 119.5/108

- sign -0.000+/-0.000 χ^2/NDF: 64.9/55



Right In: 0.000+/-0.000 χ^2/NDF: 6789881.2/27

Left Out: 0.000+/-0.000 χ^2/NDF:2257651.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8308920.2/32

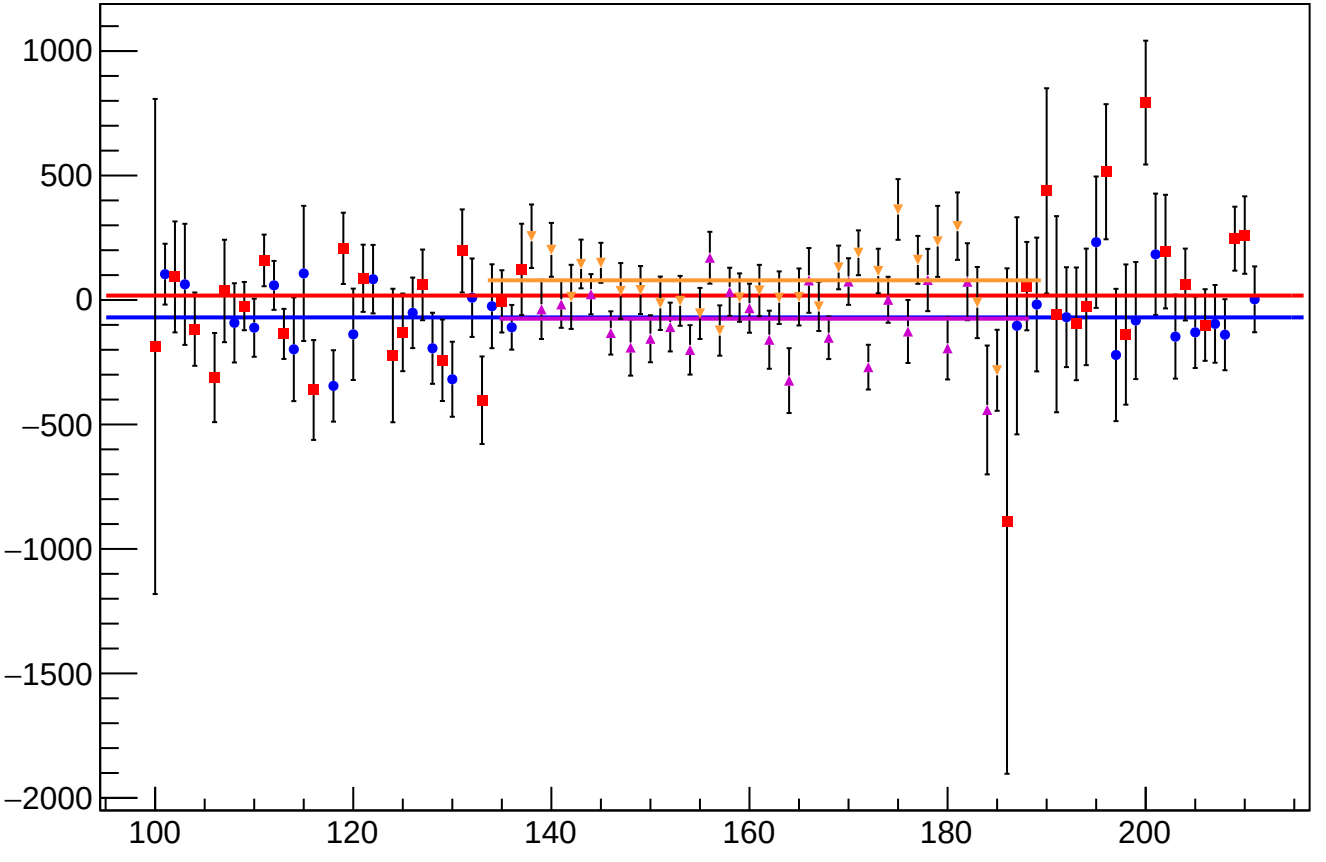
Left In: 0.000+/-0.000 χ^2/NDF:1536588.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 12697821.7/52

All: 0.000+/-0.000 χ^2/NDF: 26490767.7/108

- sign 0.000+/-0.000 χ^2/NDF: 13633884.1/55

reg_asym_sam_3748_avg_mean vs Slug



Right In: -69.893+/-29.499 χ^2/NDF: 17.8/27

Left Out: 79.098+/-21.102 χ^2/NDF:32.0/24

Right Out: 17.793+/-28.923 χ^2/NDF: 48.5/32

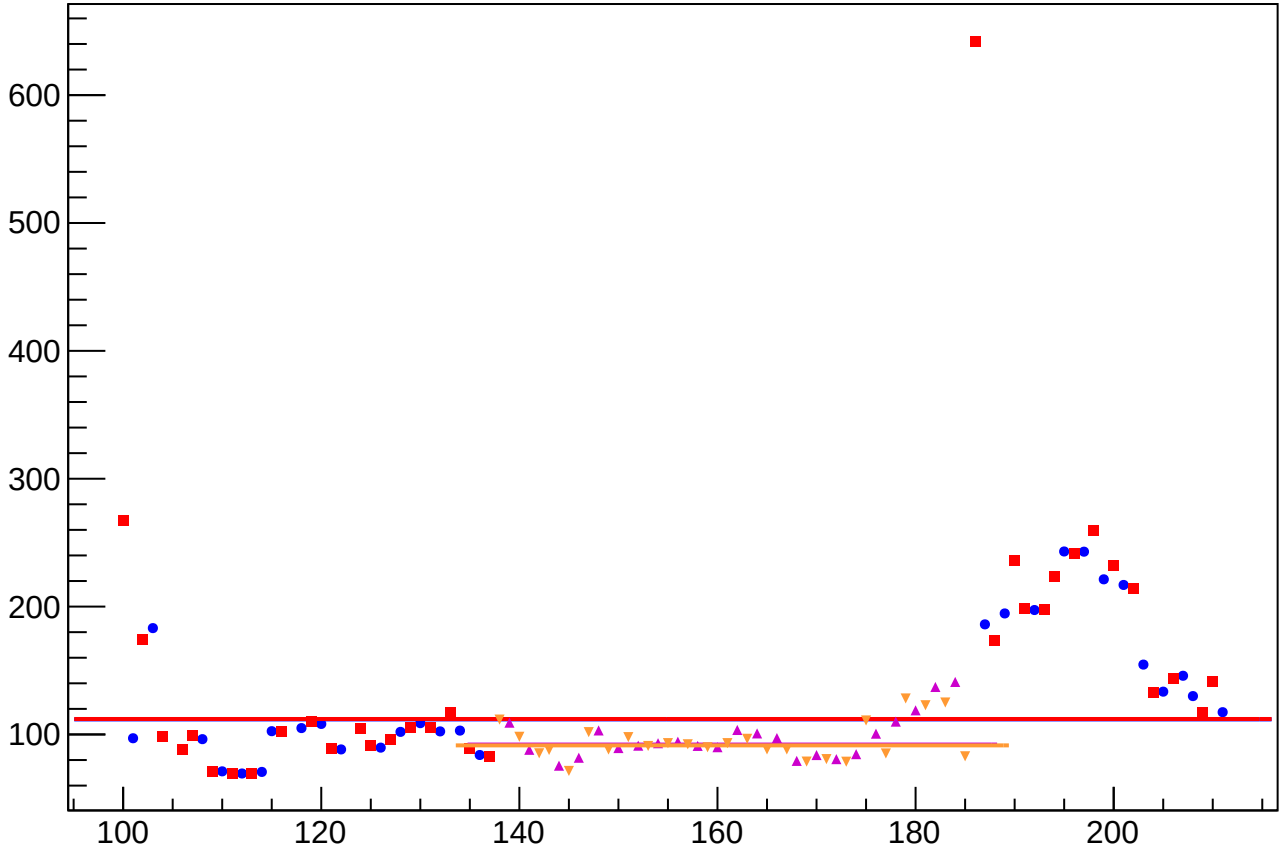
Left In: -75.048+/-21.837 χ^2/NDF:32.6/22

+ sign 28.663+/-17.163 χ^2/NDF: 66.6/52

All: -5.803+/-12.229 χ^2/NDF: 162.5/108

- sign -41.341+/-17.428 χ^2/NDF: 87.7/55

reg_asym_sam_3748_avg_rms vs Slug



Right In: 111.767+/-0.021 χ^2/NDF: 3947666.9/27

Left Out: 91.462+/-0.015 χ^2/NDF:751213.9/24

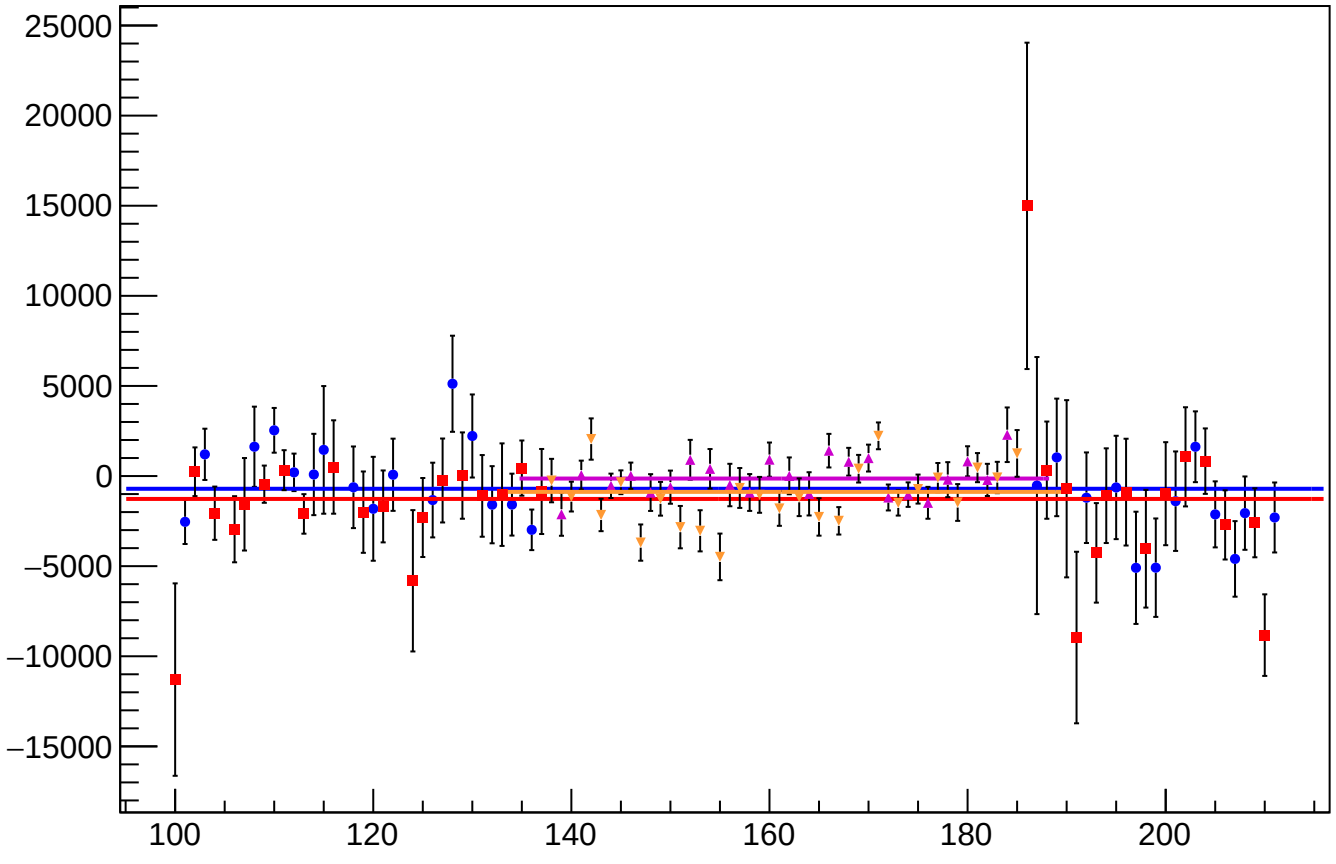
Right Out: 112.100+/-0.020 χ^2/NDF: 5462590.1/32

Left In: 92.100+/-0.015 χ^2/NDF:699590.1/22

+ sign 98.335+/-0.012 χ^2/NDF: 5325726.9/52

All: 98.841+/-0.009 χ^2/NDF: 12100501.8/108

- sign 99.362+/-0.012 χ^2/NDF: 6771253.7/55



Right In: -706.162+/-359.587 χ^2/NDF: 36.0/27

Left Out: -878.463+/-182.188 χ^2/NDF:67.7/24

Right Out: -1270.174+/-348.364 χ^2/NDF: 35.5/32

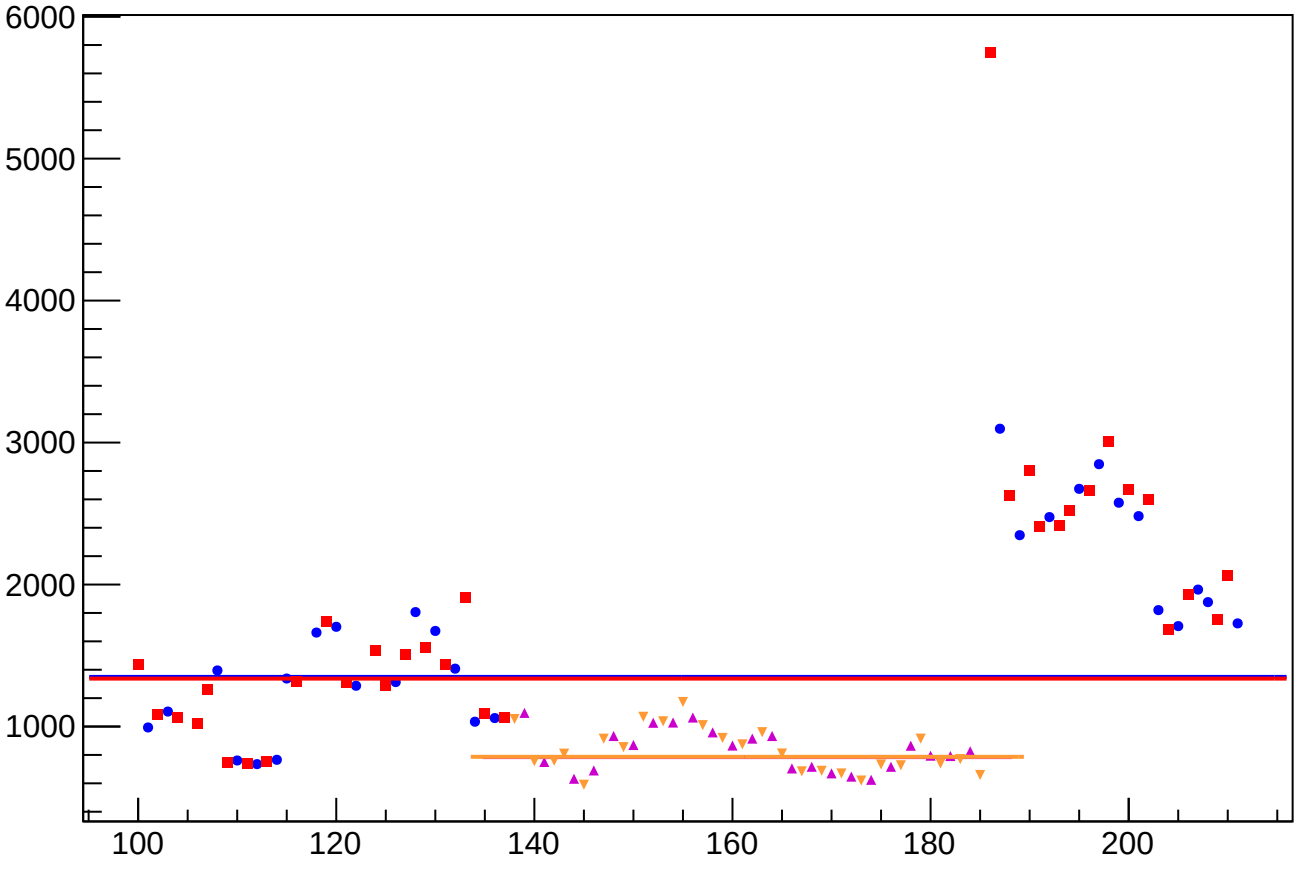
Left In: -138.728+/-186.573 χ^2/NDF:24.2/22

+ sign -843.268+/-162.518 χ^2/NDF: 104.0/52

All: -619.797+/-115.602 χ^2/NDF: 175.7/108

- sign -390.927+/-164.470 χ^2/NDF: 67.9/55

asym_sam_3748_avg_reg_correction_rms vs Slug



Right In: 1349.546+/-0.254 χ^2/NDF: 4790020.6/27

Left Out: 786.758+/-0.129 χ^2/NDF:1210893.0/24

Right Out: 1337.669+/-0.246 χ^2/NDF: 6509192.8/32

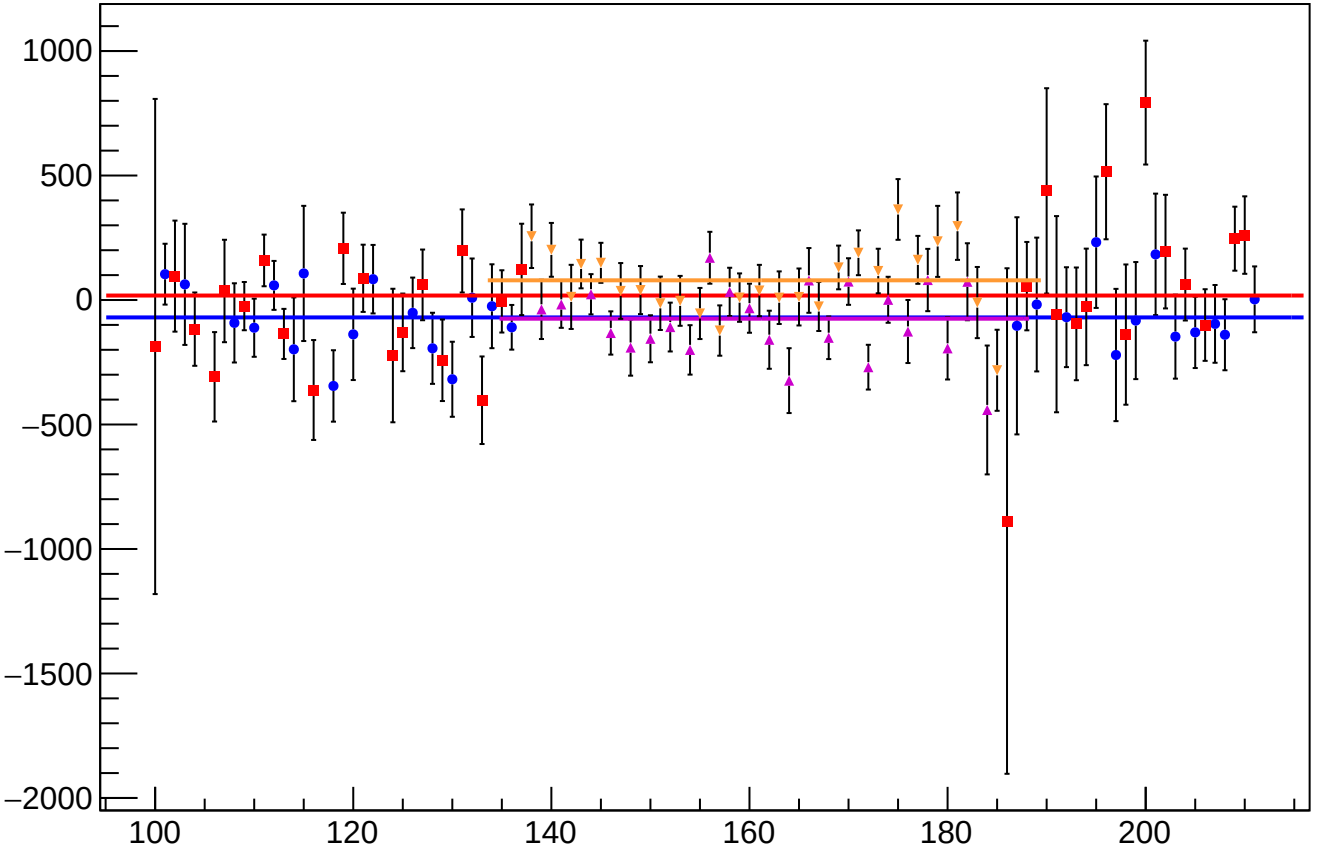
Left In: 784.833+/-0.132 χ^2/NDF:1063747.2/22

+ sign 901.717+/-0.115 χ^2/NDF: 9899246.6/52

All: 904.851+/-0.082 χ^2/NDF: 21387809.3/10

- sign 908.060+/-0.116 χ^2/NDF: 11487057.6/55

cor_asym_sam_3748_avg_mean vs Slug



Right In: -69.903+/-29.499 χ^2/NDF: 17.8/27

Left Out: 79.106+/-21.102 χ^2/NDF:32.0/24

Right Out: 17.978+/-28.926 χ^2/NDF: 48.4/32

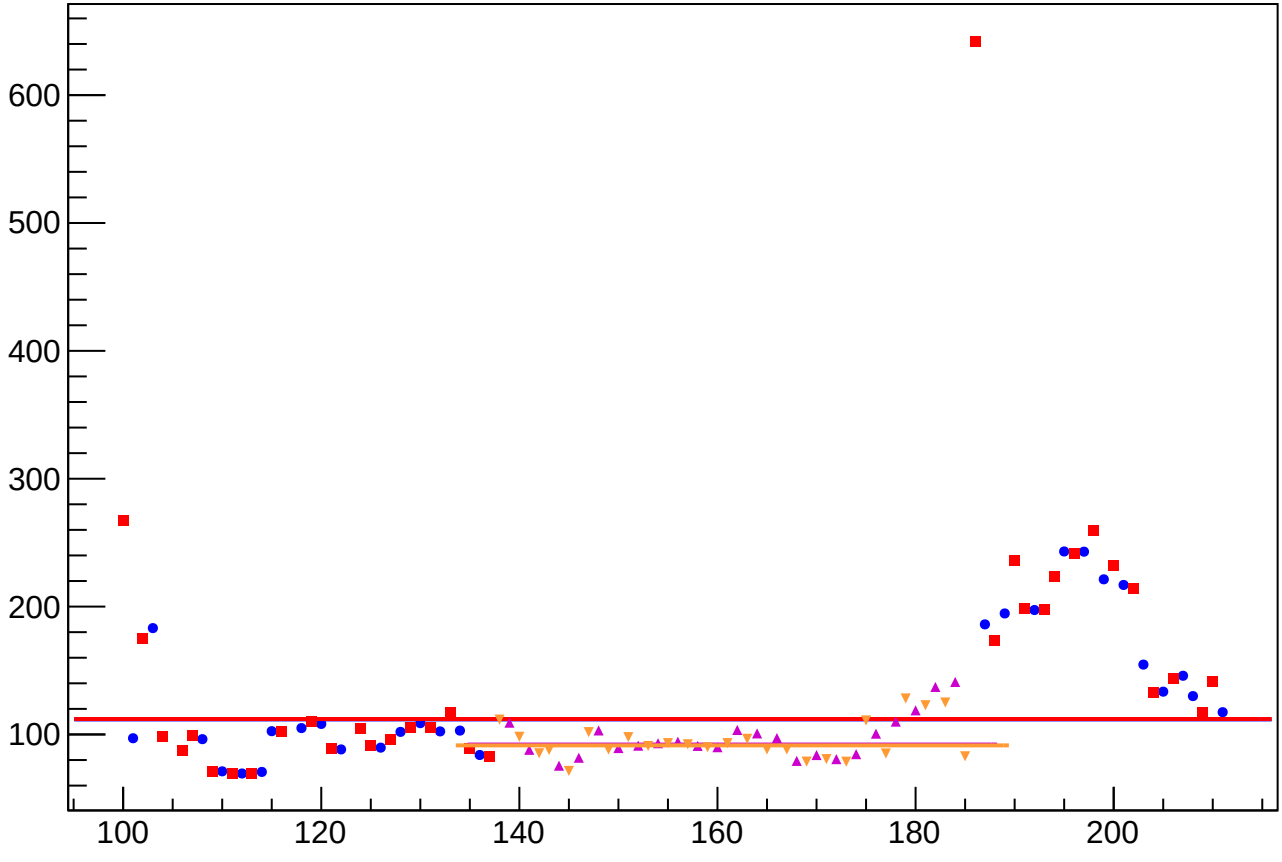
Left In: -75.049+/-21.837 χ^2/NDF:32.6/22

+ sign 28.665+/-17.163 χ^2/NDF: 66.6/52

All: -5.770+/-12.229 χ^2/NDF: 162.4/108

- sign -41.278+/-17.428 χ^2/NDF: 87.6/55

cor_asym_sam_3748_avg_rms vs Slug



Right In: 111.767+/-0.021 χ^2/NDF: 3947669.9/27

Left Out: 91.462+/-0.015 χ^2/NDF:751213.9/24

Right Out: 112.070+/-0.020 χ^2/NDF: 5466532.5/32

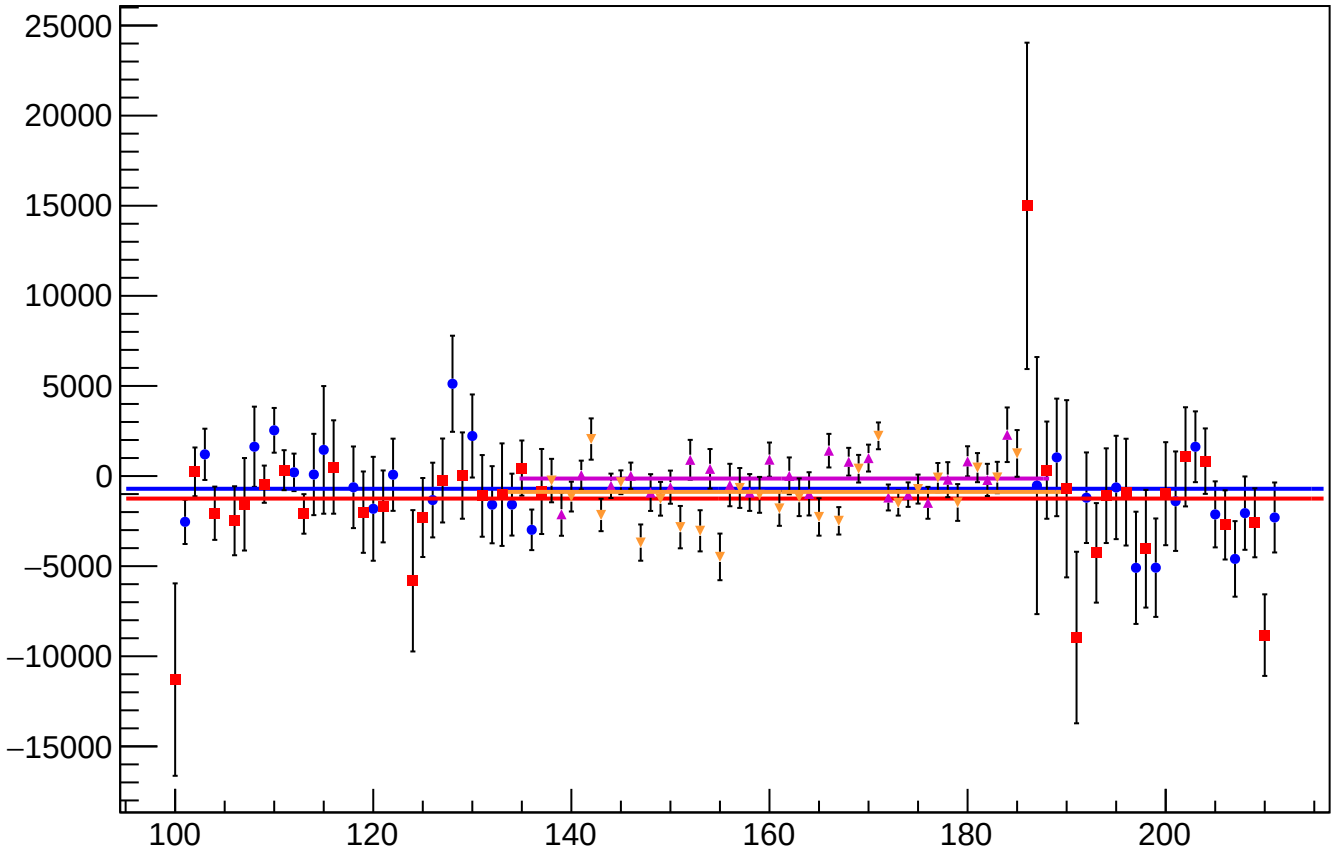
Left In: 92.100+/-0.015 χ^2/NDF:699590.1/22

+ sign 98.335+/-0.012 χ^2/NDF: 5325730.1/52

All: 98.835+/-0.009 χ^2/NDF: 12102473.7/108

- sign 99.350+/-0.012 χ^2/NDF: 6773302.3/55

asym_sam_3748_avg_cor_correction_mean vs Slug



Right In: -706.181+/-359.589 χ^2/NDF: 36.0/27

Left Out: -878.453+/-182.188 χ^2/NDF:67.7/24

Right Out: -1250.133+/-348.894 χ^2/NDF: 35.1/32

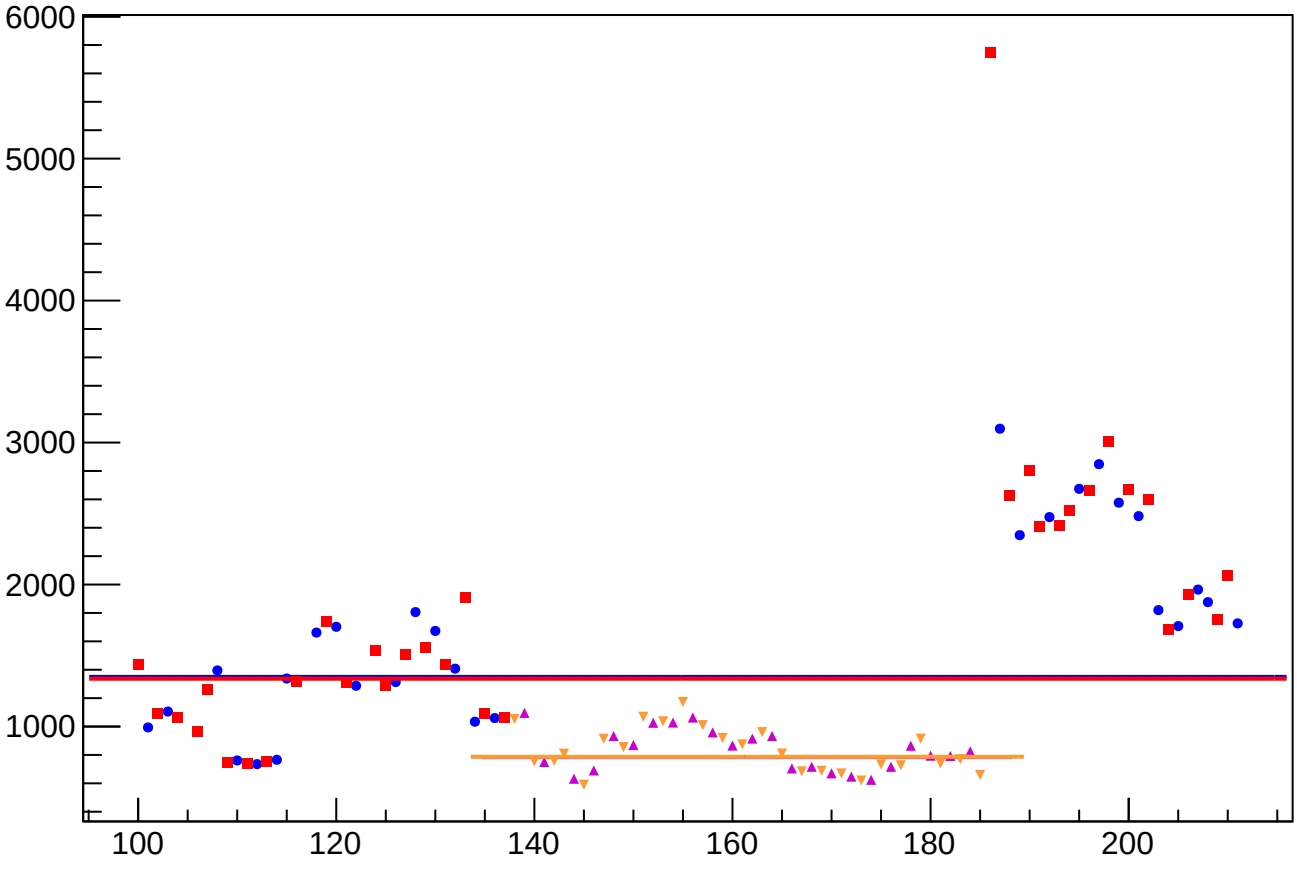
Left In: -138.730+/-186.573 χ^2/NDF:24.2/22

+ sign -843.264+/-162.519 χ^2/NDF: 104.0/52

All: -617.378+/-115.621 χ^2/NDF: 175.0/108

- sign -385.876+/-164.526 χ^2/NDF: 67.1/55

asym_sam_3748_avg_cor_correction_rms vs Slug



Right In: 1349.555+/-0.254 χ^2/NDF: 4789961.7/27

Left Out: 786.758+/-0.129 χ^2/NDF:1210893.0/24

Right Out: 1336.781+/-0.247 χ^2/NDF: 6525139.7/32

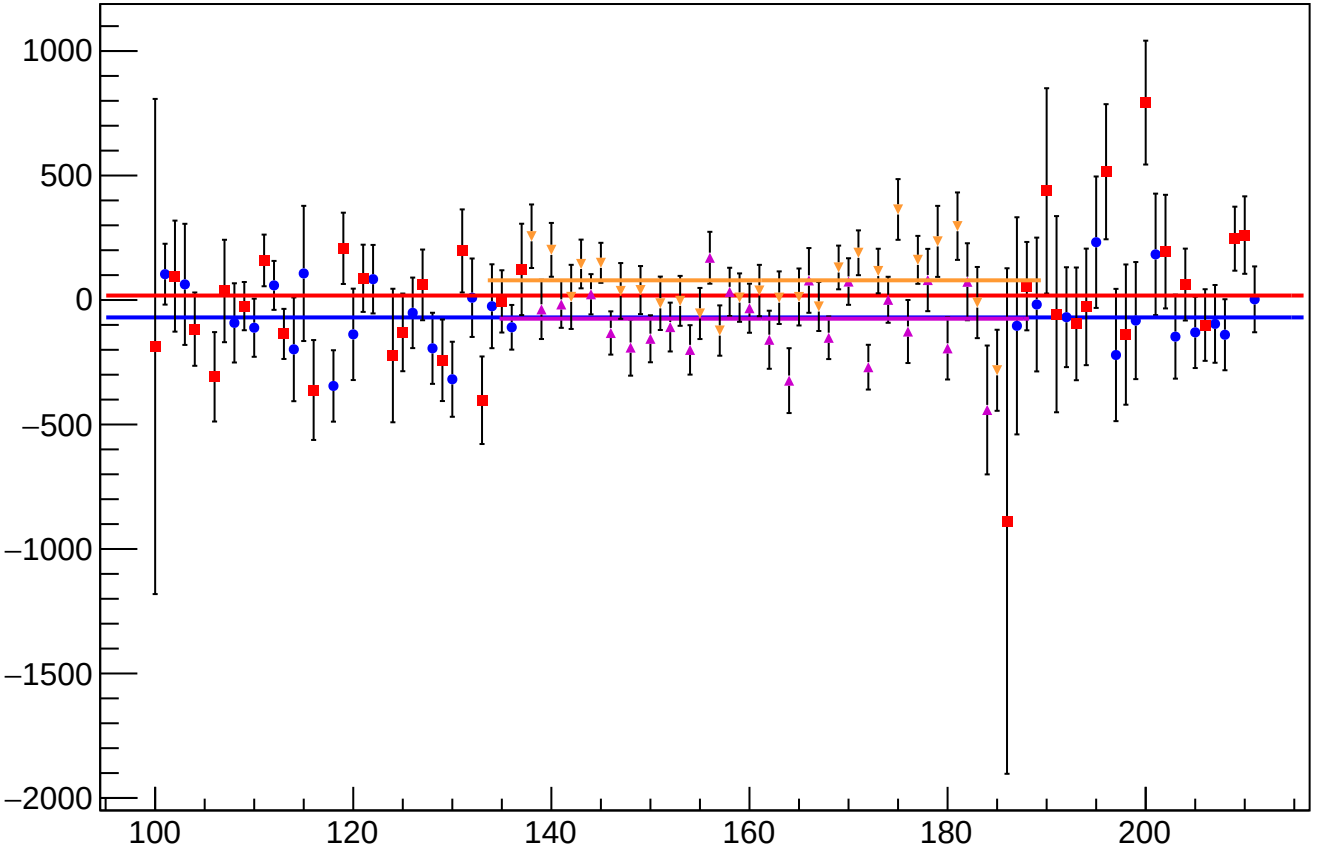
Left In: 784.833+/-0.132 χ^2/NDF:1063746.9/22

+ sign 901.718+/-0.115 χ^2/NDF: 9899285.6/52

All: 904.609+/-0.082 χ^2/NDF: 21381778.7/10

- sign 907.572+/-0.116 χ^2/NDF: 11481211.7/55

eigen_cor_asym_sam_3748_avg_mean vs Slug



Right In: -69.903+/-29.499 χ^2/NDF: 17.8/27

Left Out: 79.106+/-21.102 χ^2/NDF:32.0/24

Right Out: 17.978+/-28.926 χ^2/NDF: 48.4/32

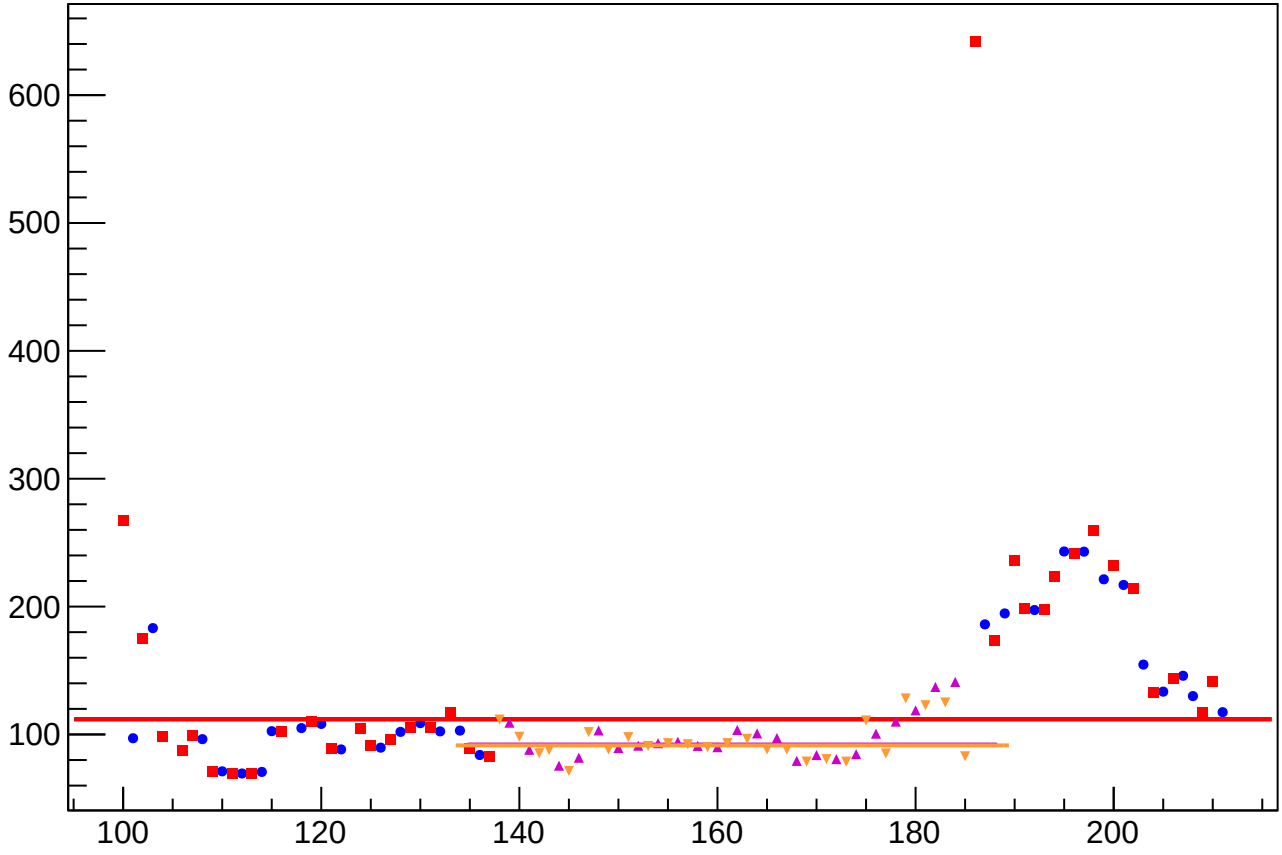
Left In: -75.049+/-21.837 χ^2/NDF:32.6/22

+ sign 28.665+/-17.163 χ^2/NDF: 66.6/52

All: -5.770+/-12.229 χ^2/NDF: 162.4/108

- sign -41.278+/-17.428 χ^2/NDF: 87.6/55

eigen_cor_asym_sam_3748_avg_rms vs Slug



Right In: 111.767+/-0.021 χ^2/NDF: 3947669.9/27

Left Out: 91.462+/-0.015 χ^2/NDF:751213.9/24

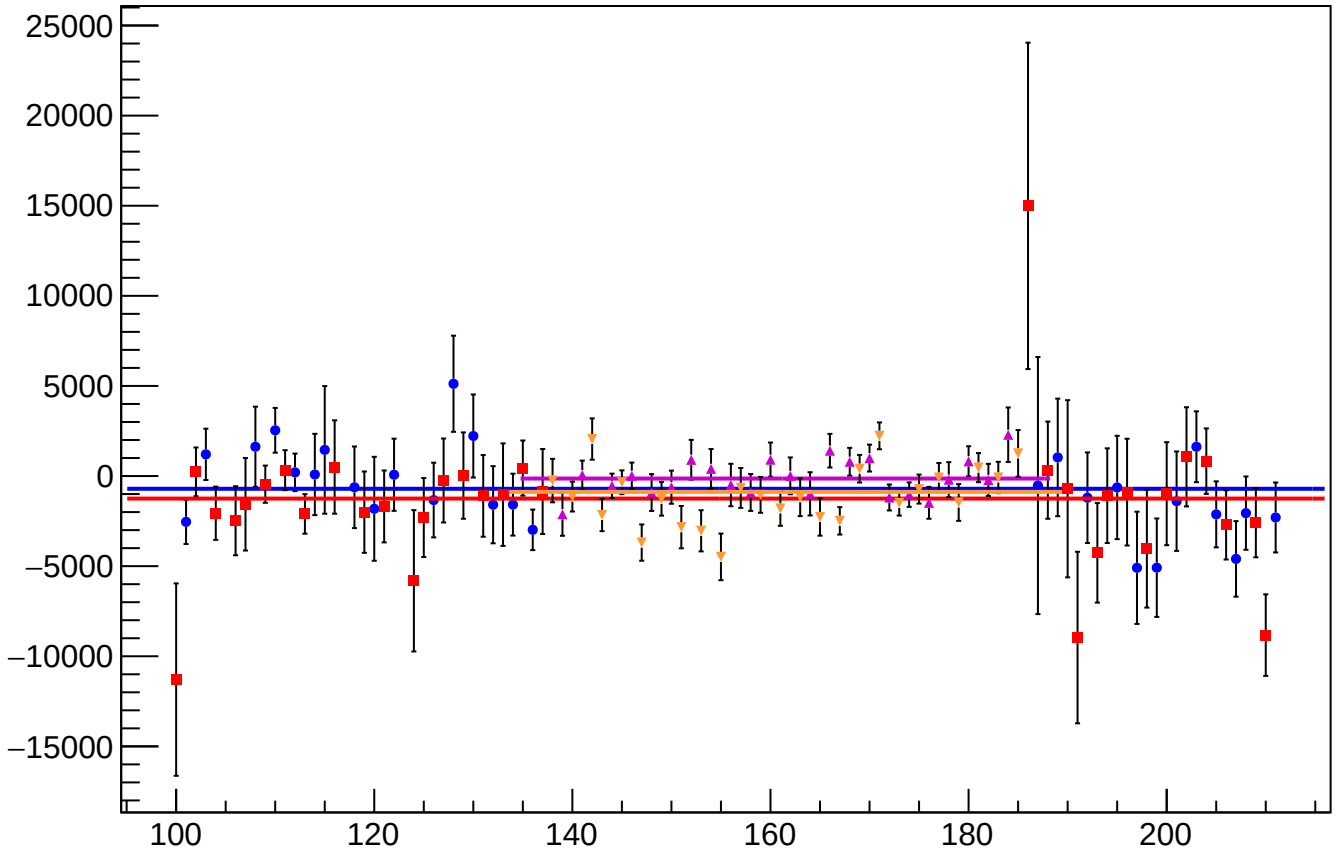
Right Out: 112.070+/-0.020 χ^2/NDF: 5466532.5/32

Left In: 92.100+/-0.015 χ^2/NDF:699590.1/22

\+ sign 98.335+/-0.012 χ^2/NDF: 5325730.1/52

All: 98.835+/-0.009 χ^2/NDF: 12102473.7/108

\- sign 99.350+/-0.012 χ^2/NDF: 6773302.3/55



Right In: -706.181+/-359.589 χ^2/NDF: 36.0/27

Left Out: -878.453+/-182.188 χ^2/NDF:67.7/24

Right Out: -1250.133+/-348.894 χ^2/NDF: 35.1/32

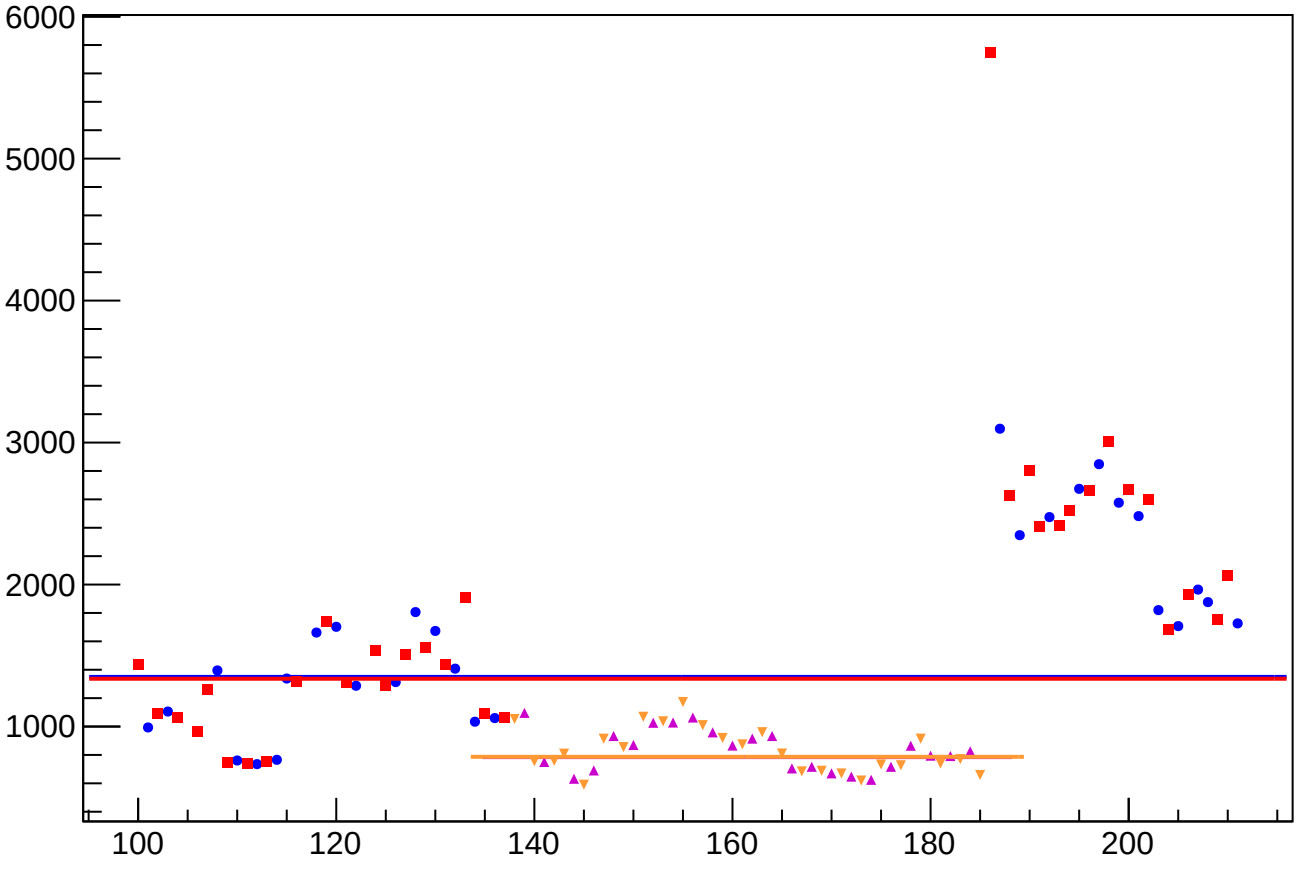
Left In: -138.730+/-186.573 χ^2/NDF:24.2/22

+ sign -843.264+/-162.519 χ^2/NDF: 104.0/52

All: -617.378+/-115.621 χ^2/NDF: 175.0/108

- sign -385.876+/-164.526 χ^2/NDF: 67.1/55

asym_sam_3748_avg_eigen_cor_correction_rms vs Slug



Right In: 1349.555+/-0.254 χ^2/NDF: 4789961.7/27

Left Out: 786.758+/-0.129 χ^2/NDF:1210893.0/24

Right Out: 1336.781+/-0.247 χ^2/NDF: 6525139.7/32

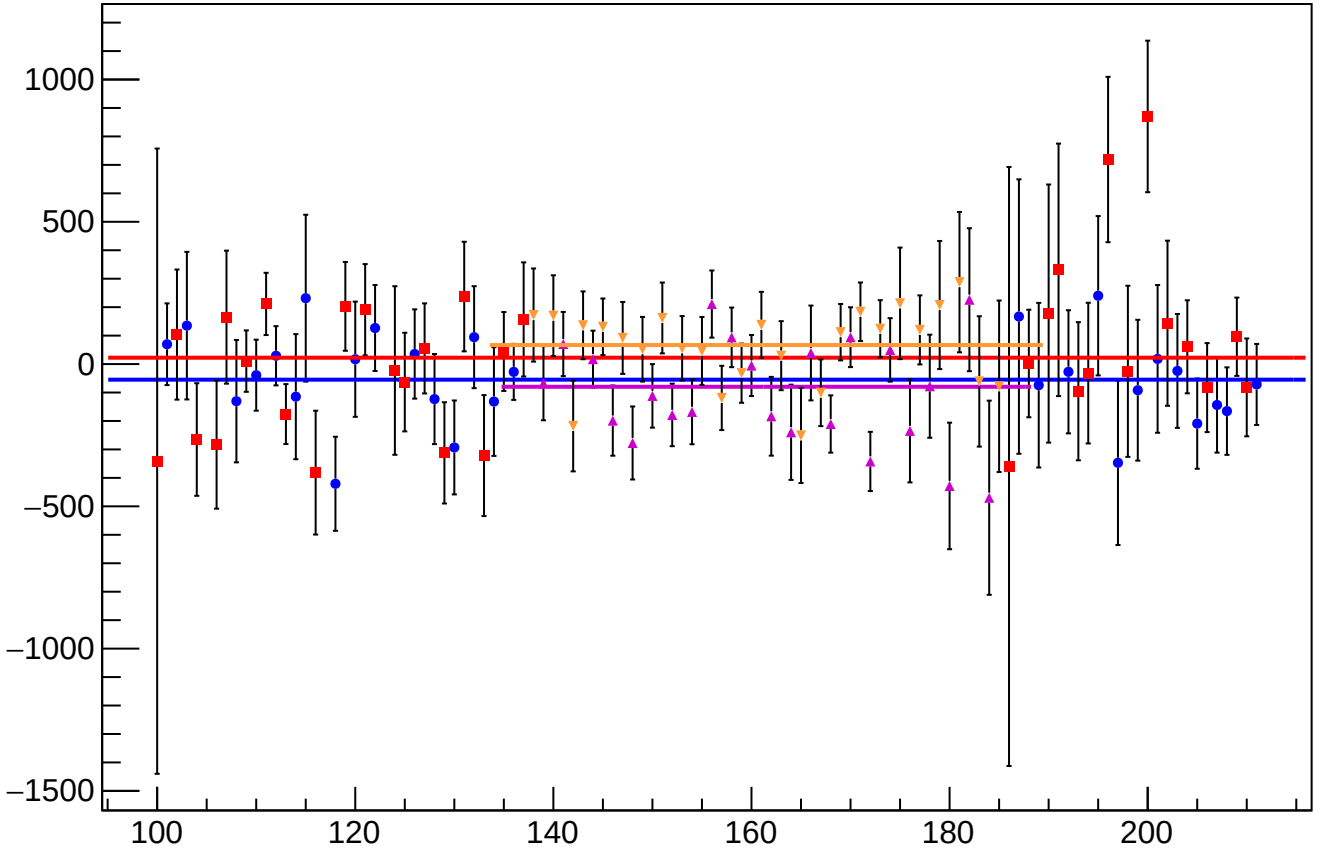
Left In: 784.833+/-0.132 χ^2/NDF:1063746.9/22

+ sign 901.718+/-0.115 χ^2/NDF: 9899285.6/52

All: 904.609+/-0.082 χ^2/NDF: 21381778.7/10

- sign 907.572+/-0.116 χ^2/NDF: 11481211.7/55

dit_asym_sam_3748_avg_mean vs Slug



Right In: -54.814+/-32.559 χ^2/NDF: 17.4/27

Left Out: 66.896+/-25.584 χ^2/NDF:19.6/24

Right Out: 22.391+/-32.066 χ^2/NDF: 43.4/32

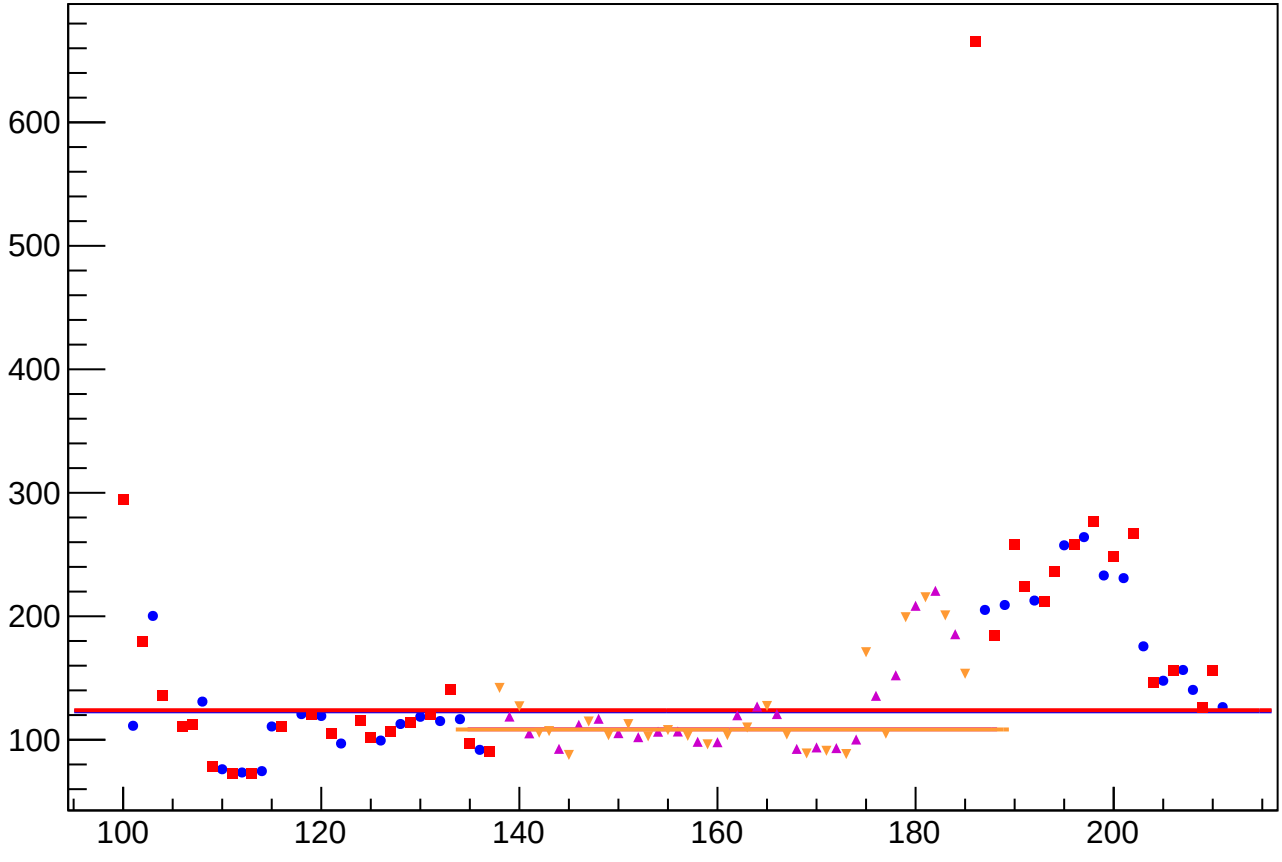
Left In: -79.766+/-26.299 χ^2/NDF:36.9/22

+ sign 20.436+/-20.117 χ^2/NDF: 45.6/52

All: -8.806+/-14.301 χ^2/NDF: 136.3/108

- sign -38.684+/-20.334 χ^2/NDF: 86.4/55

dit_asym_sam_3748_avg_rms vs Slug



Right In: 123.056+/-0.023 χ^2/NDF: 3903738.0/27

Left Out: 108.330+/-0.018 χ^2/NDF:1774599.9/24

Right Out: 123.913+/-0.023 χ^2/NDF: 5438934.3/32

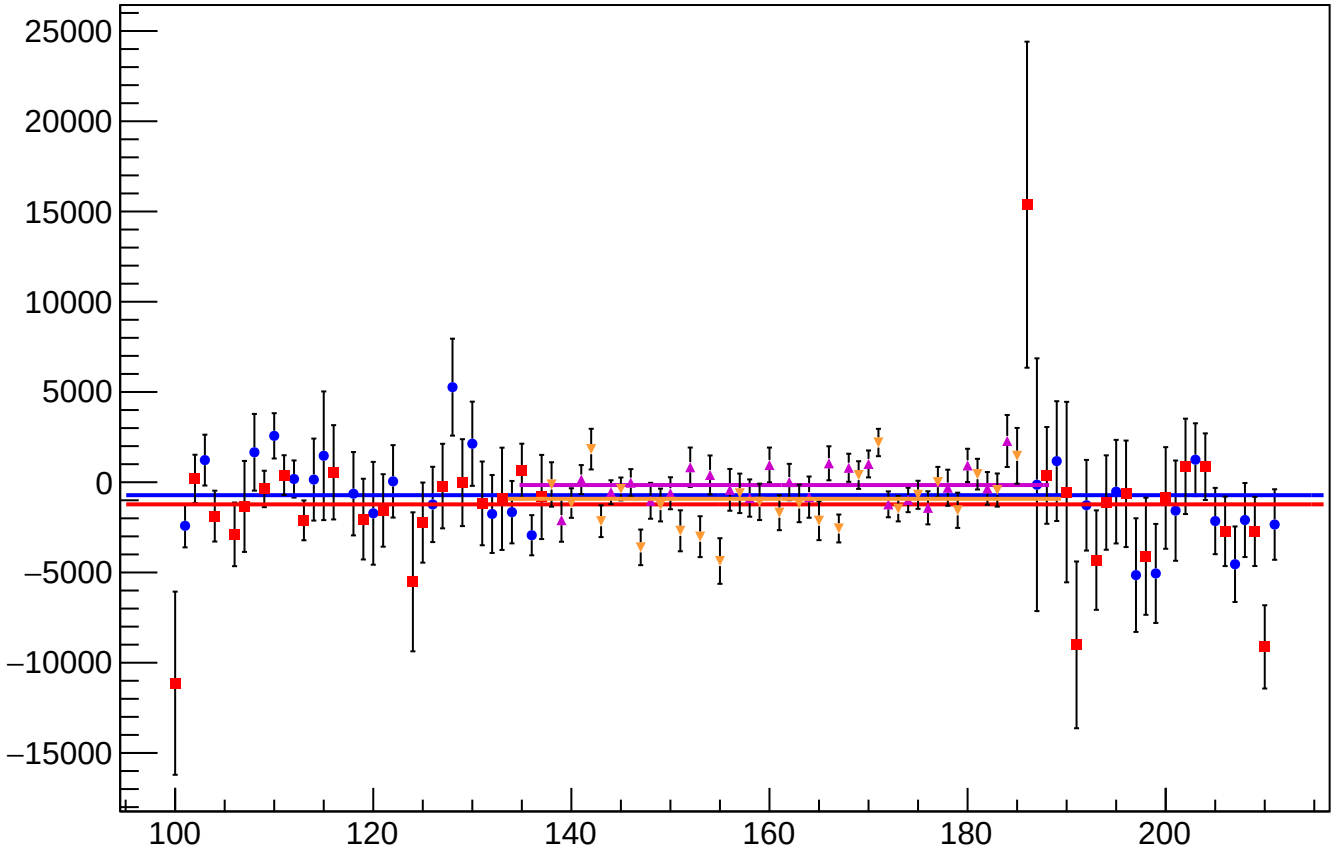
Left In: 108.492+/-0.019 χ^2/NDF:1379398.3/22

+ sign 113.951+/-0.014 χ^2/NDF: 5931266.6/52

All: 114.319+/-0.010 χ^2/NDF: 13027475.2/10

- sign 114.694+/-0.014 χ^2/NDF: 7094861.4/55

asym_sam_3748_avg_dit_correction_mean vs Slug



Right In: -717.498+/-358.653 χ^2/NDF: 35.6/27

Left Out: -918.735+/-182.461 χ^2/NDF:64.1/24

Right Out: -1226.259+/-345.283 χ^2/NDF: 37.2/32

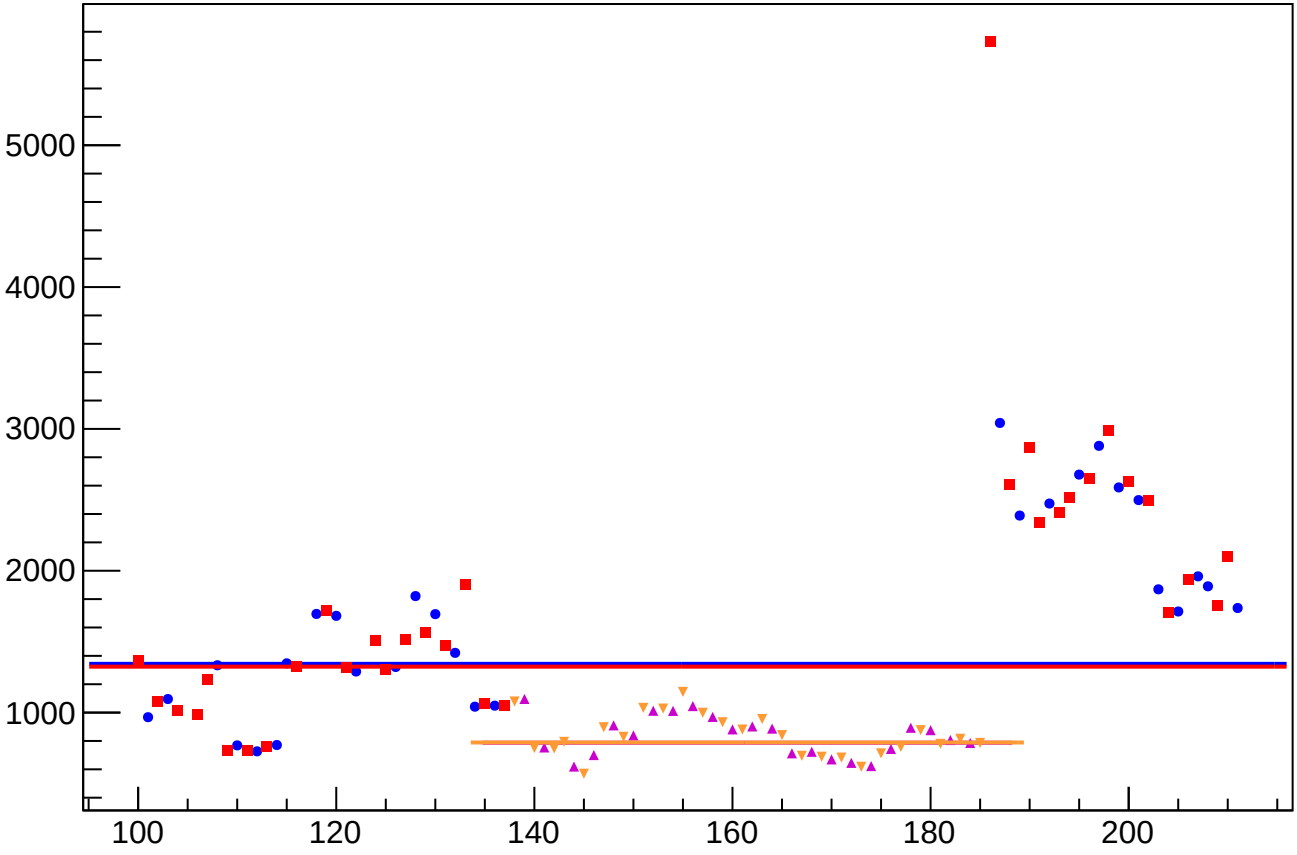
Left In: -155.874+/-187.116 χ^2/NDF:23.1/22

+ sign -877.360+/-162.626 χ^2/NDF: 100.0/52

All: -640.870+/-115.655 χ^2/NDF: 172.0/108

- sign -398.862+/-164.512 χ^2/NDF: 67.7/55

asym_sam_3748_avg_dit_correction_rms vs Slug



Right In: 1343.640+/-0.254 χ^2/NDF: 4916780.8/27

Left Out: 789.250+/-0.129 χ^2/NDF:1176799.1/24

Right Out: 1323.819+/-0.244 χ^2/NDF: 6615038.4/32

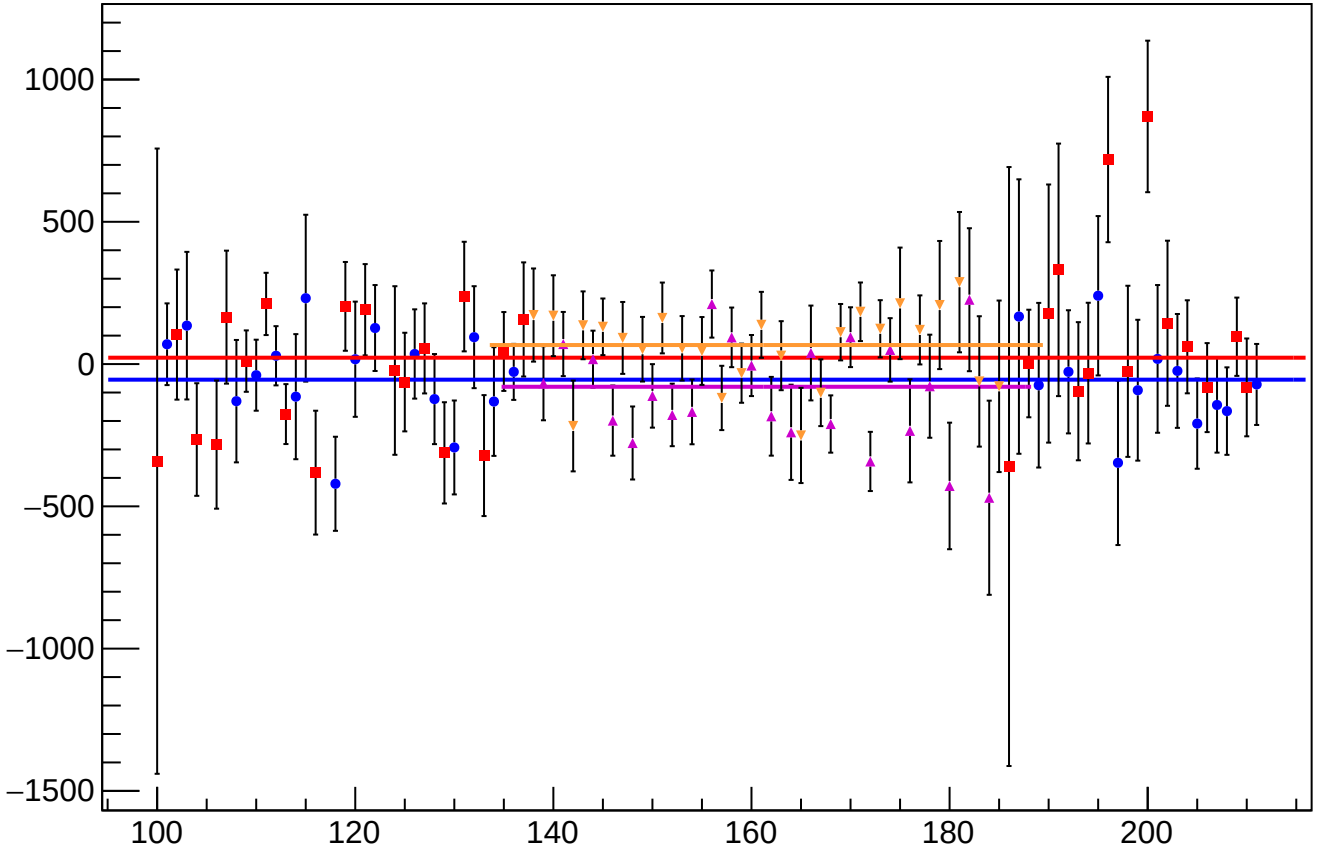
Left In: 787.390+/-0.132 χ^2/NDF:1041390.9/22

+ sign 903.234+/-0.115 χ^2/NDF: 9889792.7/52

All: 906.165+/-0.082 χ^2/NDF: 21278998.2/10

- sign 909.165+/-0.116 χ^2/NDF: 11387891.0/55

eigen_dit_asym_sam_3748_avg_mean vs Slug



Right In: -54.813+/-32.559 χ^2/NDF: 17.4/27

Left Out: 66.898+/-25.584 χ^2/NDF:19.6/24

Right Out: 22.393+/-32.066 χ^2/NDF: 43.4/32

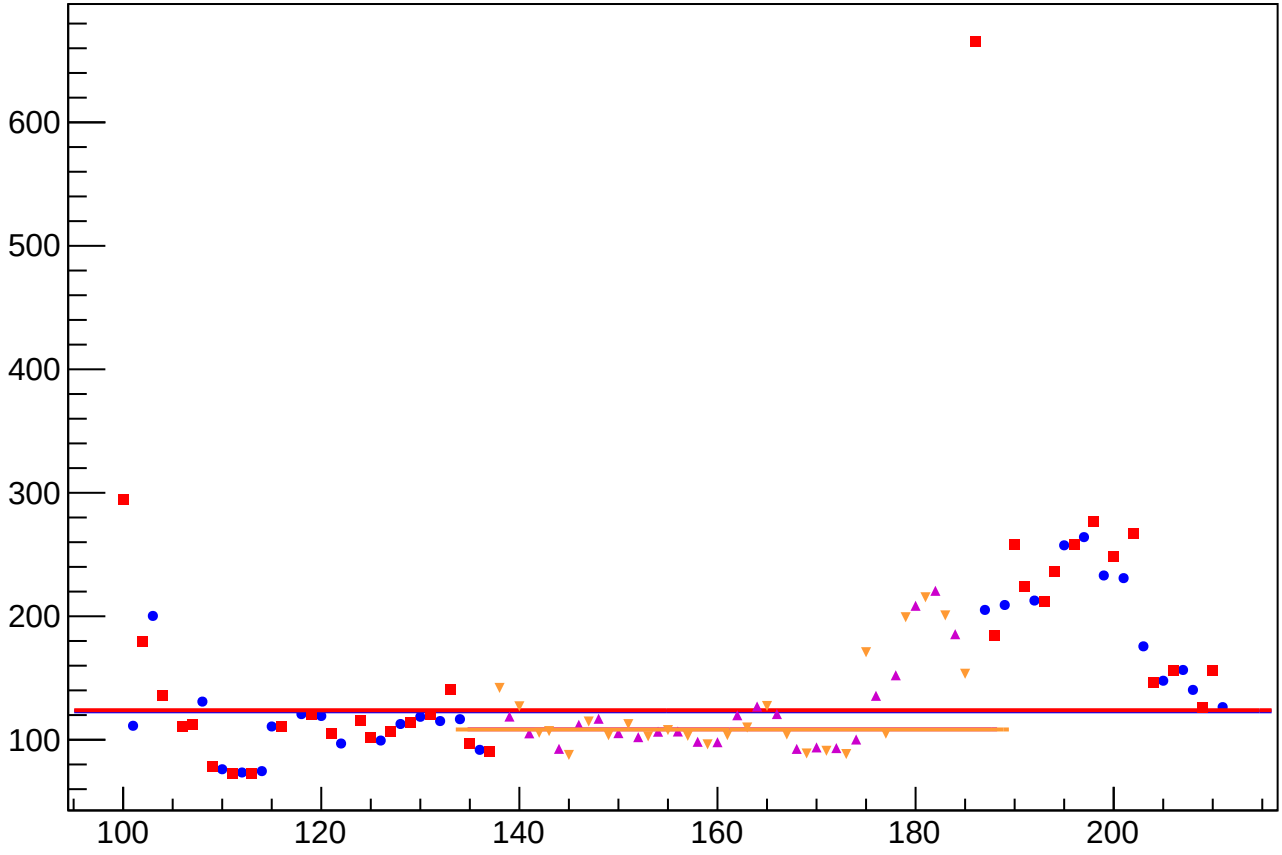
Left In: -79.766+/-26.299 χ^2/NDF:36.9/22

+ sign 20.437+/-20.117 χ^2/NDF: 45.6/52

All: -8.805+/-14.301 χ^2/NDF: 136.3/108

- sign -38.683+/-20.334 χ^2/NDF: 86.4/55

eigen_dit_asym_sam_3748_avg_rms vs Slug



Right In: 123.056+/-0.023 χ^2/NDF: 3903726.0/27

Left Out: 108.330+/-0.018 χ^2/NDF:1774594.6/24

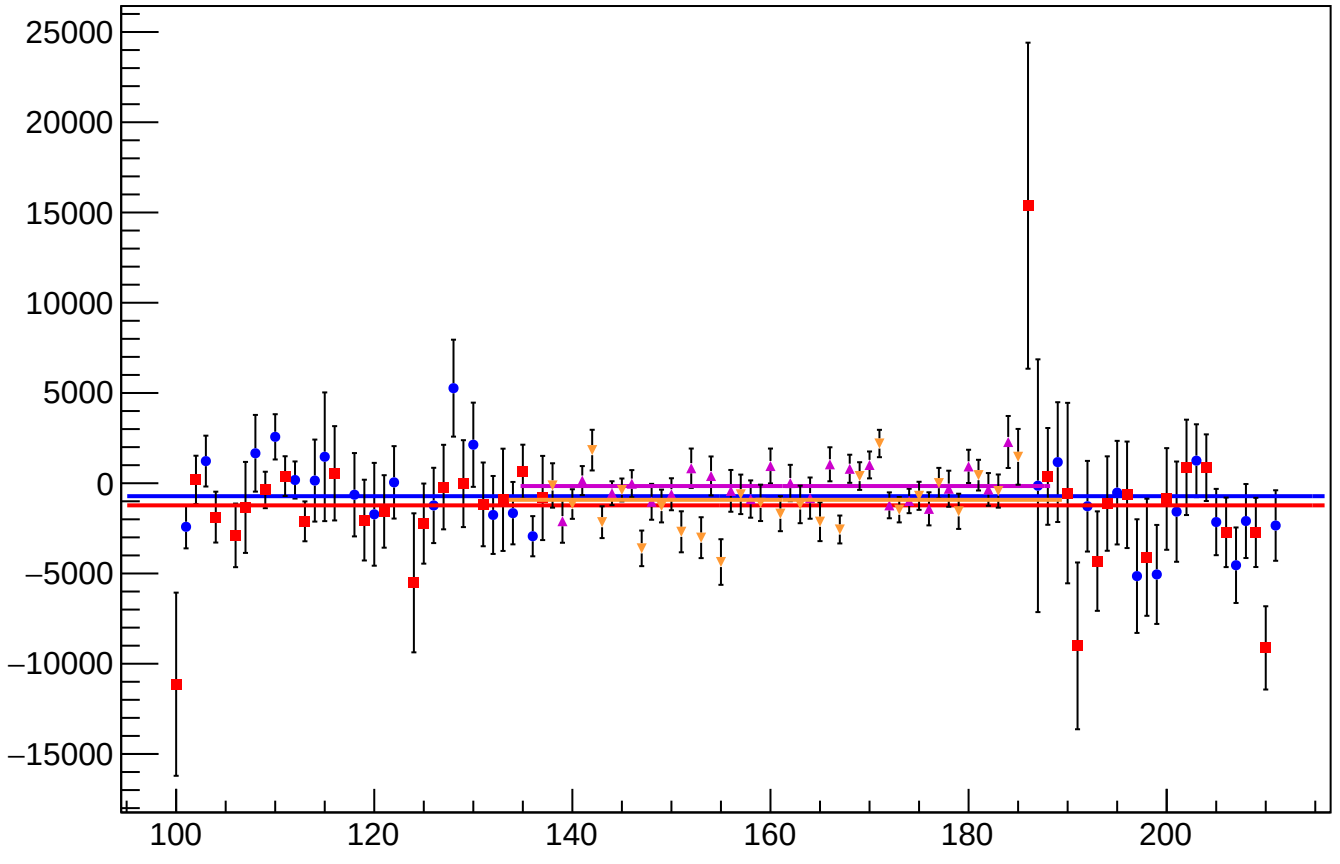
Right Out: 123.913+/-0.023 χ^2/NDF: 5438936.2/32

Left In: 108.493+/-0.019 χ^2/NDF:1379379.3/22

+ sign 113.952+/-0.014 χ^2/NDF: 5931243.0/52

All: 114.319+/-0.010 χ^2/NDF: 13027428.0/10

- sign 114.694+/-0.014 χ^2/NDF: 7094837.8/55



Right In: -717.495+/-358.652 χ^2/NDF: 35.6/27

Left Out: -918.734+/-182.461 χ^2/NDF:64.1/24

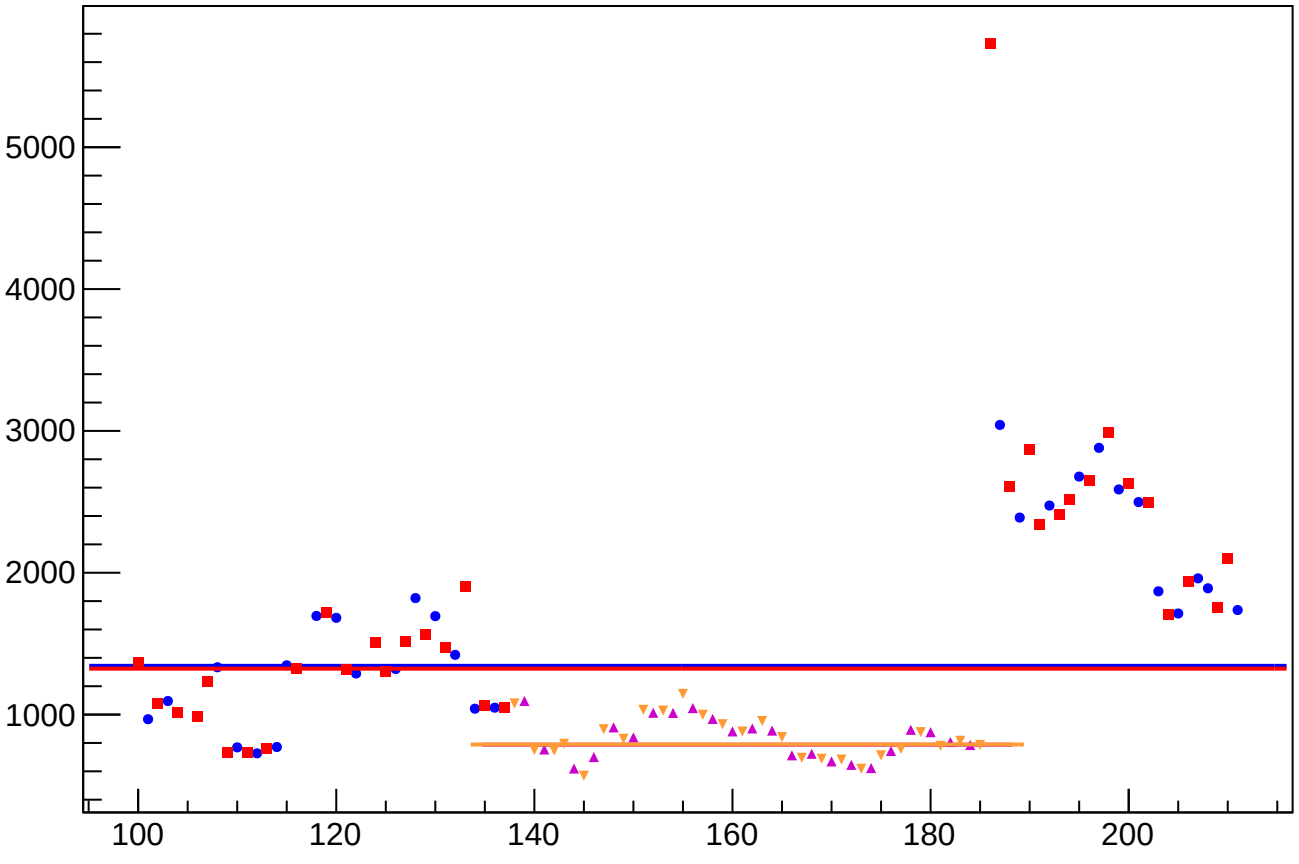
Right Out: -1226.256+/-345.282 χ^2/NDF: 37.2/32

Left In: -155.873+/-187.115 χ^2/NDF:23.1/22

+ sign -877.359+/-162.626 χ^2/NDF: 100.0/52

All: -640.868+/-115.655 χ^2/NDF: 172.0/108

- sign -398.861+/-164.512 χ^2/NDF: 67.7/55



Right In: 1343.638+/-0.254 χ^2/NDF: 4916793.4/27

Left Out: 789.248+/-0.129 χ^2/NDF:1176801.9/24

Right Out: 1323.817+/-0.244 χ^2/NDF: 6615045.7/32

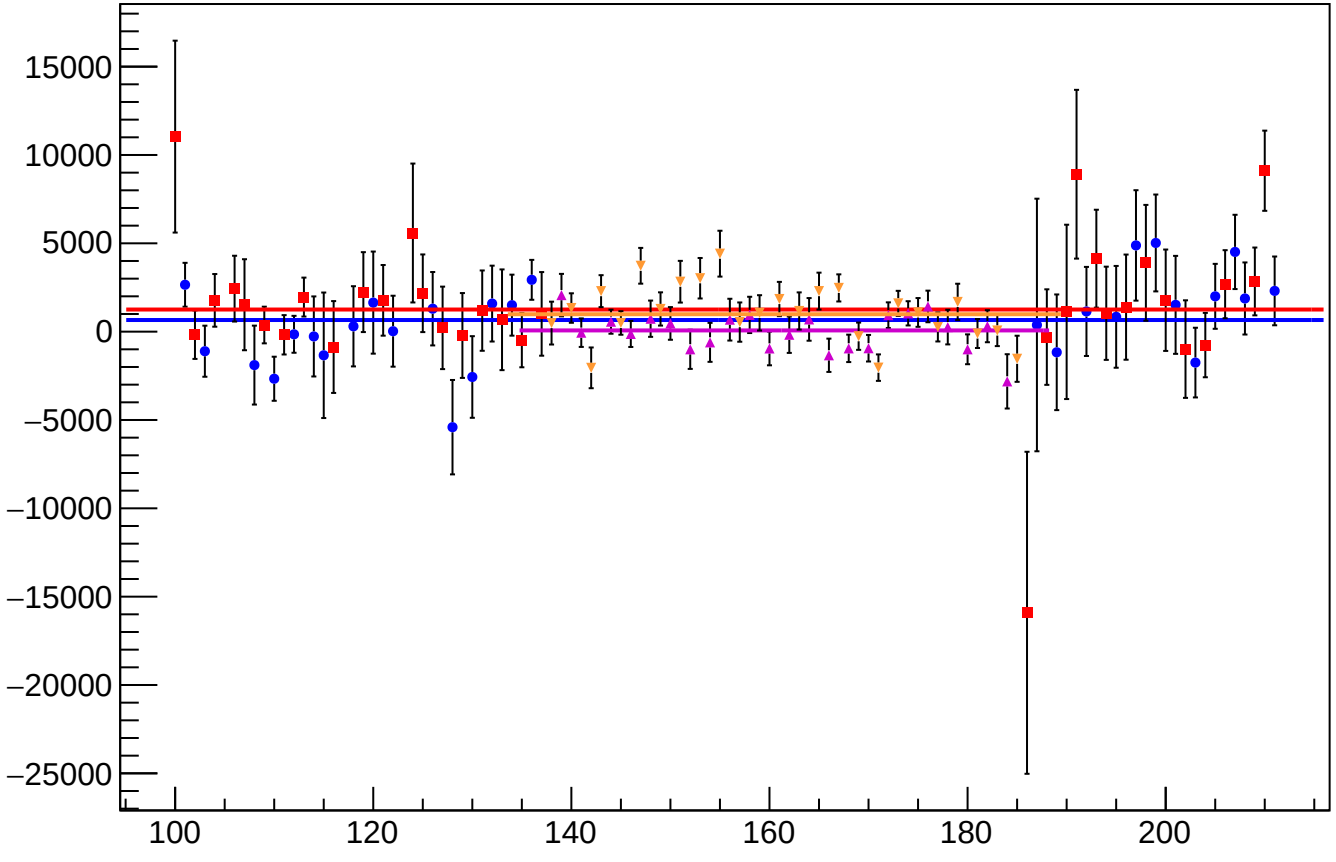
Left In: 787.388+/-0.132 χ^2/NDF:1041391.2/22

+ sign 903.233+/-0.115 χ^2/NDF: 9889808.8/52

All: 906.164+/-0.082 χ^2/NDF: 21279024.3/10

- sign 909.163+/-0.116 χ^2/NDF: 11387901.0/55

asym_sam_3748_avg_mean vs Slug



Right In: 658.789+/-361.326 χ^2/NDF: 36.8/27

Left Out: 985.656+/-183.601 χ^2/NDF:63.7/24

Right Out: 1252.516+/-350.135 χ^2/NDF: 35.2/32

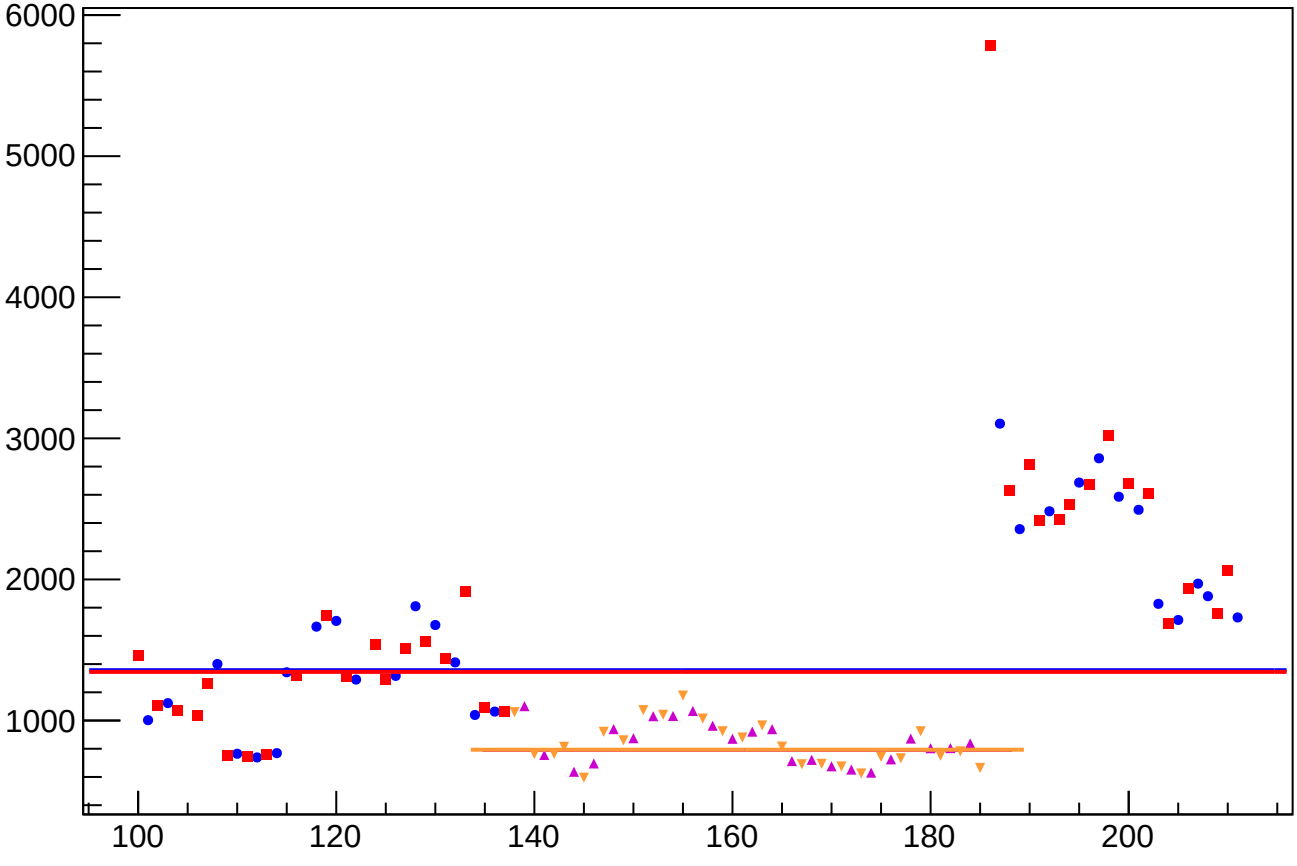
Left In: 70.089+/-188.036 χ^2/NDF:24.4/22

+ sign 918.579+/-163.682 χ^2/NDF: 101.1/52

All: 630.180+/-116.433 χ^2/NDF: 175.9/108

- sign 334.774+/-165.658 χ^2/NDF: 68.4/55

asym_sam_3748_avg_rms vs Slug



Right In: 1356.639+/-0.255 χ^2/NDF: 4767100.7/27

Left Out: 793.051+/-0.130 χ^2/NDF:1193972.3/24

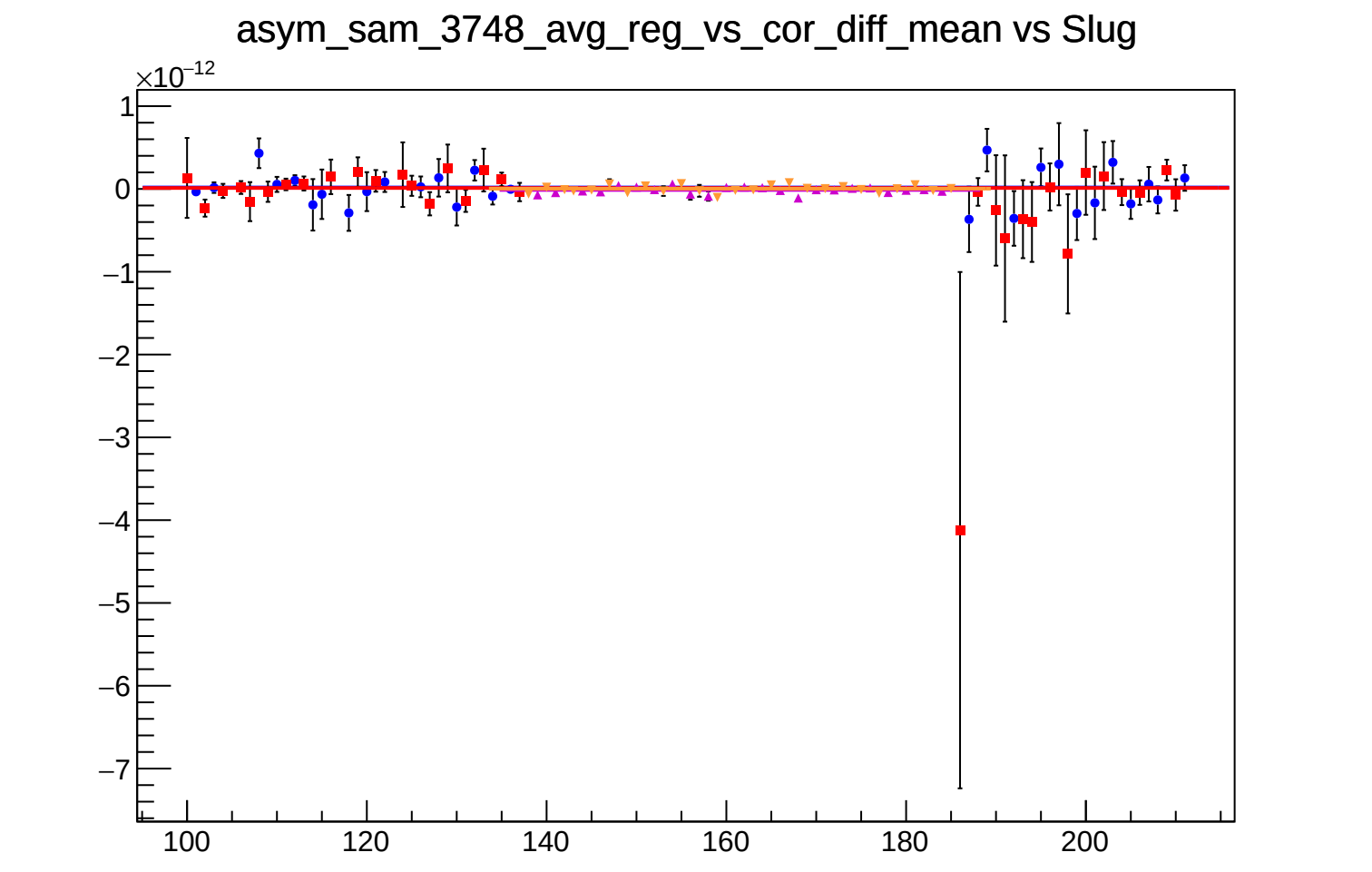
Right Out: 1344.809+/-0.248 χ^2/NDF: 6485429.4/32

Left In: 791.155+/-0.133 χ^2/NDF:1049107.7/22

+ sign 908.706+/-0.116 χ^2/NDF: 9828365.1/52

All: 911.860+/-0.082 χ^2/NDF: 21245750.8/10

- sign 915.090+/-0.117 χ^2/NDF: 11415882.7/55



Right In: 0.000+/-0.000 χ^2/NDF: 28.9/27

Left Out: 0.000+/-0.000 χ^2/NDF:34.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 24.5/32

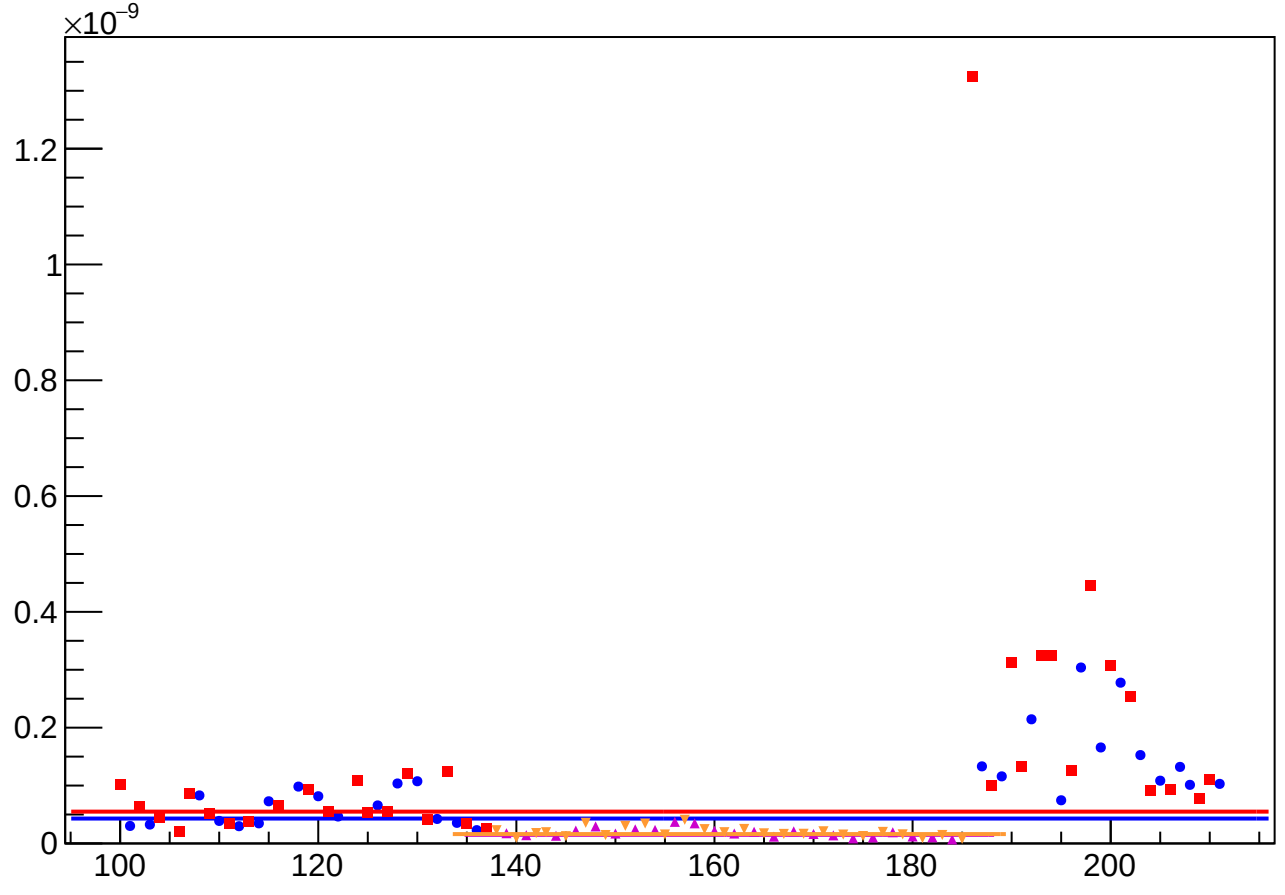
Left In: -0.000+/-0.000 χ^2/NDF:25.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 63.2/52

All: -0.000+/-0.000 χ^2/NDF: 117.0/108

- sign -0.000+/-0.000 χ^2/NDF: 50.6/55

asym_sam_3748_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 5301134.1/27

Left Out: 0.000+/-0.000 χ^2/NDF:1725685.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5621019.7/32

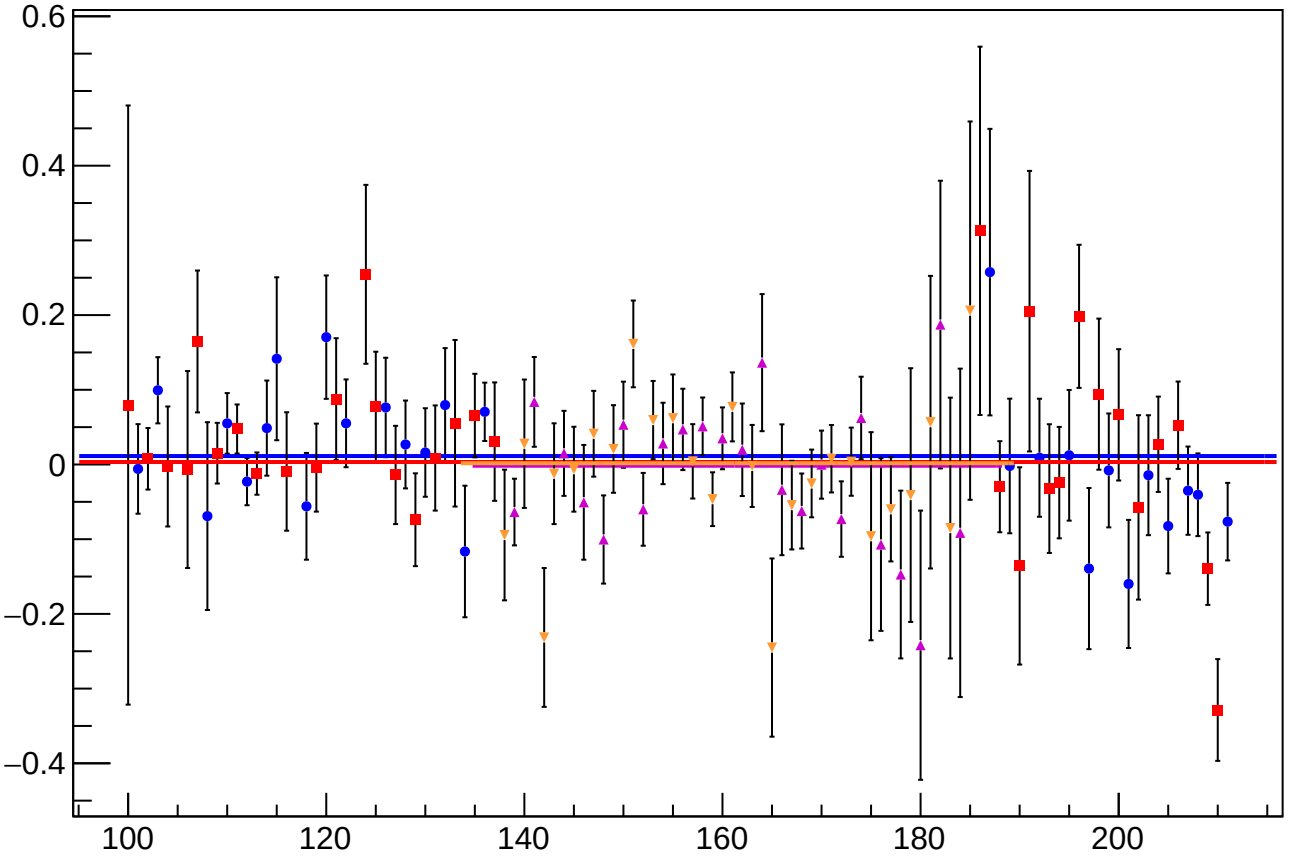
Left In: 0.000+/-0.000 χ^2/NDF:1661952.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 10067542.8/52

All: 0.000+/-0.000 χ^2/NDF: 22308492.8/108

- sign 0.000+/-0.000 χ^2/NDF: 12203890.1/55

asym_sam_3748_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.011+/-0.012 χ^2/NDF: 34.3/27

Left Out: 0.002+/-0.012 χ^2/NDF:30.4/24

Right Out: 0.003+/-0.011 χ^2/NDF: 58.3/32

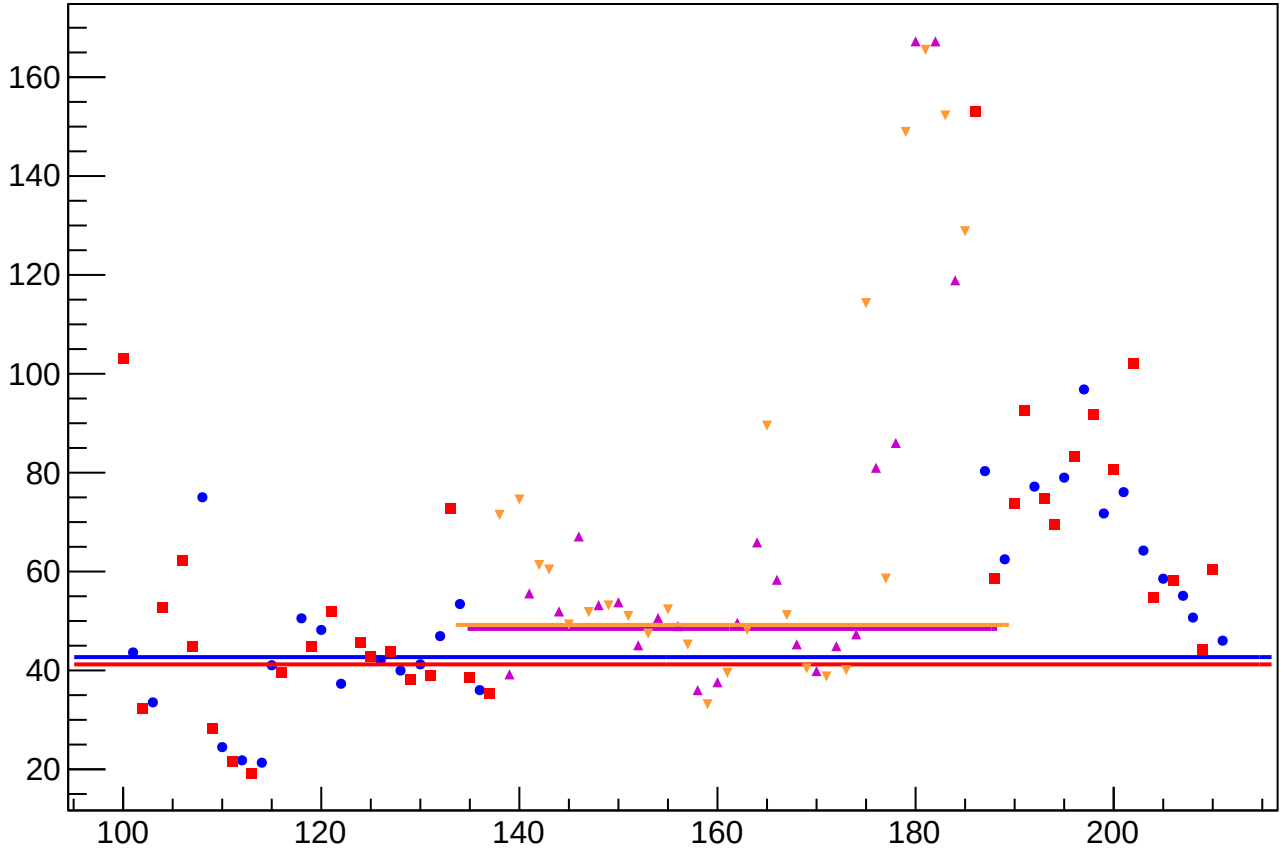
Left In: -0.002+/-0.012 χ^2/NDF:26.1/22

+ sign 0.007+/-0.008 χ^2/NDF: 65.0/52

All: 0.004+/-0.006 χ^2/NDF: 149.7/108

- sign 0.001+/-0.008 χ^2/NDF: 84.5/55

asym_sam_3748_avg_dit_vs_cor_diff_rms vs Slug



Right In: 42.692+/-0.008 χ^2/NDF: 4276330.1/27

Left Out: 49.216+/-0.009 χ^2/NDF:4171670.0/24

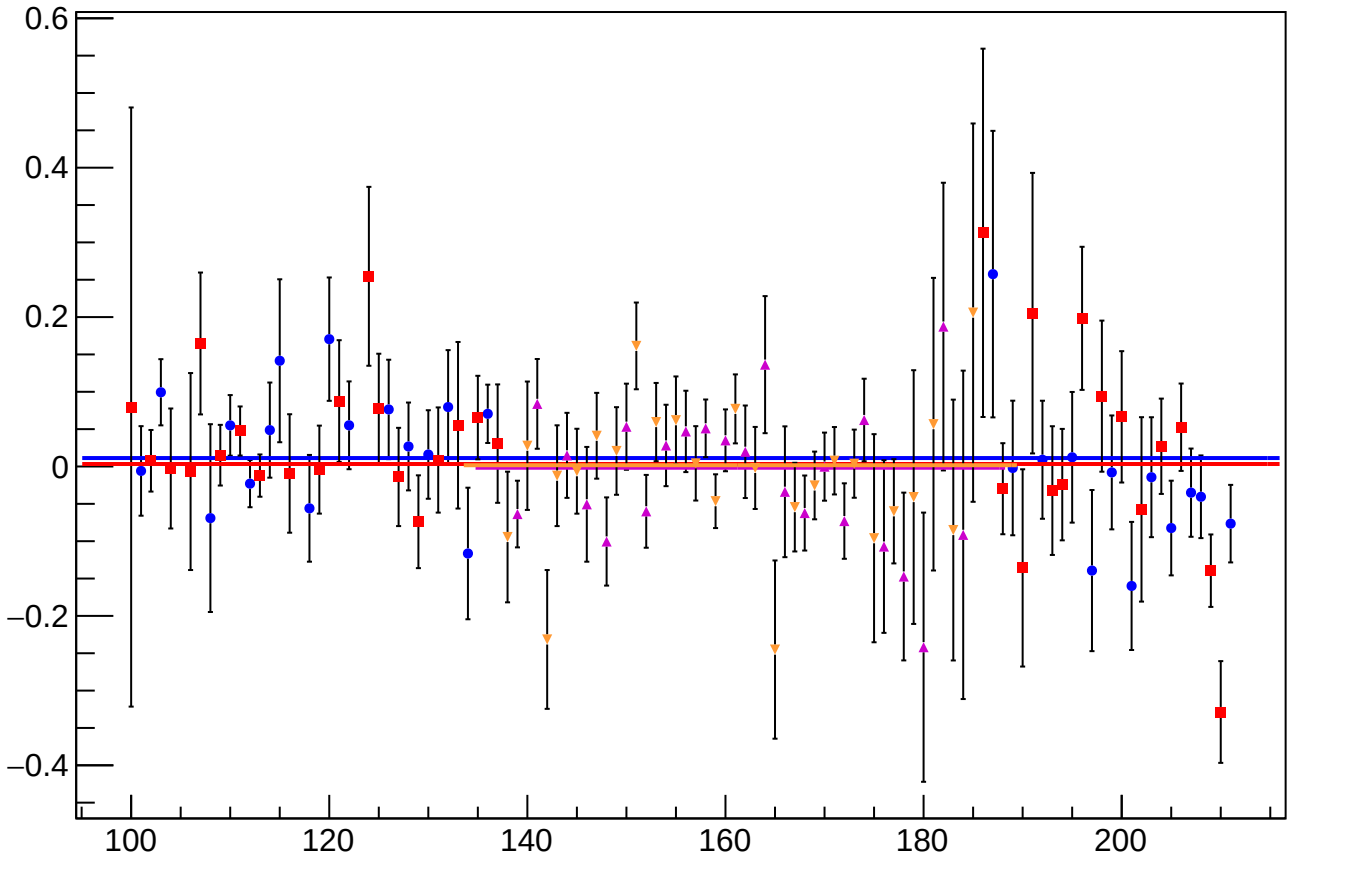
Right Out: 41.221+/-0.008 χ^2/NDF: 6243065.3/32

Left In: 48.392+/-0.009 χ^2/NDF:3033240.8/22

+ sign 45.769+/-0.006 χ^2/NDF: 8745442.1/52

All: 45.085+/-0.004 χ^2/NDF: 18418902.9/108

- sign 44.429+/-0.006 χ^2/NDF: 9647765.5/55



Right In: 0.011+/-0.012 χ^2/NDF: 34.3/27

Left Out: 0.002+/-0.012 χ^2/NDF:30.4/24

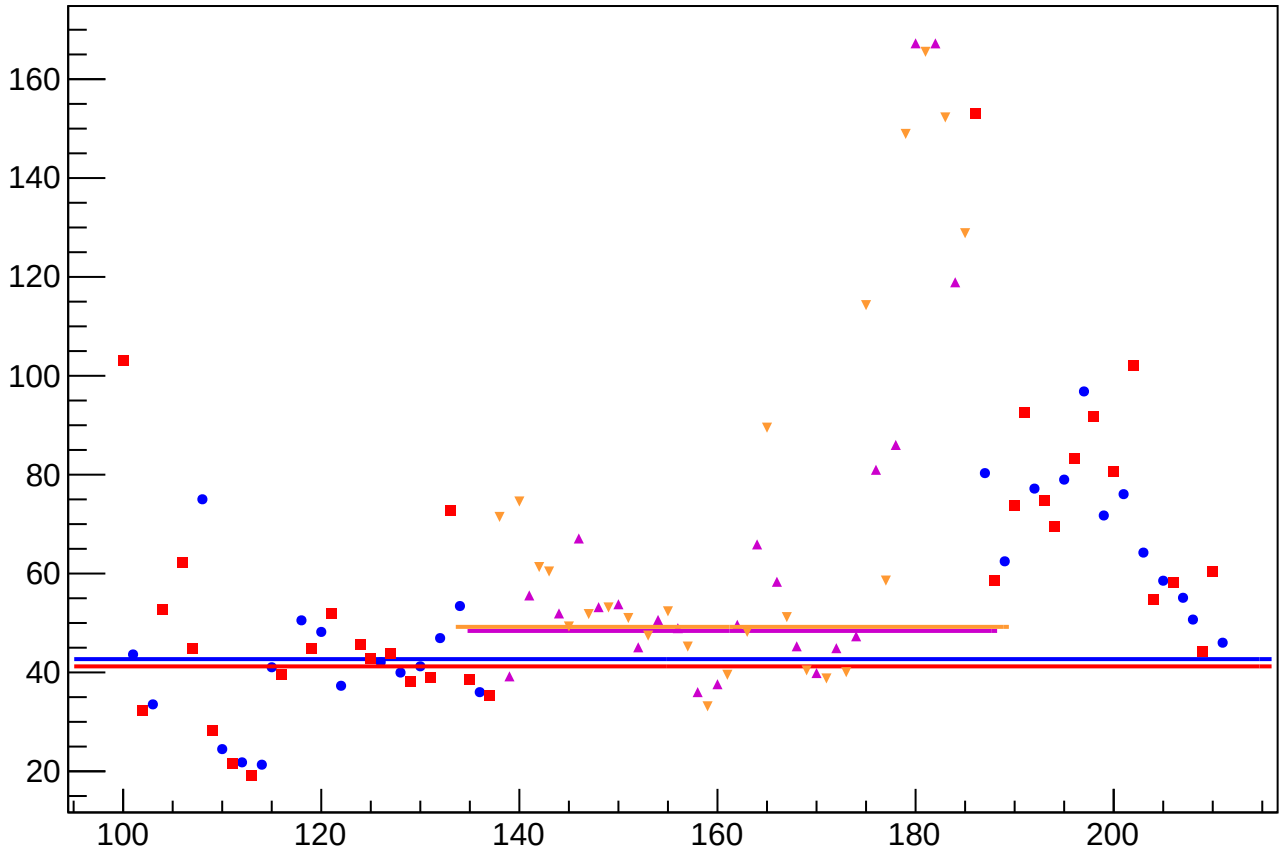
Right Out: 0.003+/-0.011 χ^2/NDF: 58.3/32

Left In: -0.002+/-0.012 χ^2/NDF:26.1/22

+ sign 0.007+/-0.008 χ^2/NDF: 65.0/52

All: 0.004+/-0.006 χ^2/NDF: 149.7/108

- sign 0.001+/-0.008 χ^2/NDF: 84.5/55



Right In: 42.692+/-0.008 χ^2/NDF: 4276330.1/27

Left Out: 49.216+/-0.009 χ^2/NDF:4171670.0/24

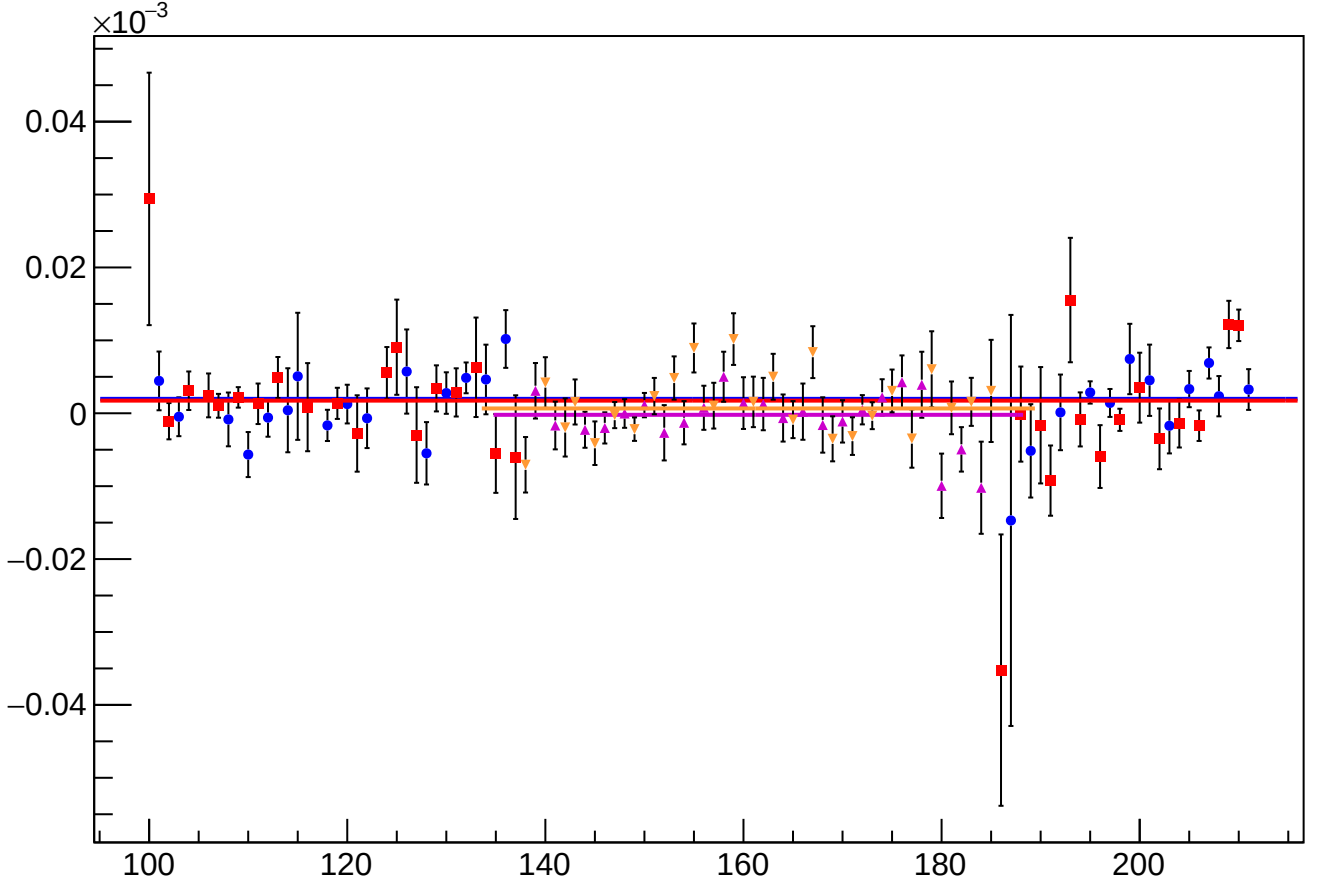
Right Out: 41.221+/-0.008 χ^2/NDF: 6243065.3/32

Left In: 48.392+/-0.009 χ^2/NDF:3033240.8/22

+ sign 45.769+/-0.006 χ^2/NDF: 8745442.1/52

All: 45.085+/-0.004 χ^2/NDF: 18418902.9/108

- sign 44.429+/-0.006 χ^2/NDF: 9647765.5/55



Right In: 0.000+/-0.000 χ^2/NDF: 33.0/27

Left Out: 0.000+/-0.000 χ^2/NDF:41.7/24

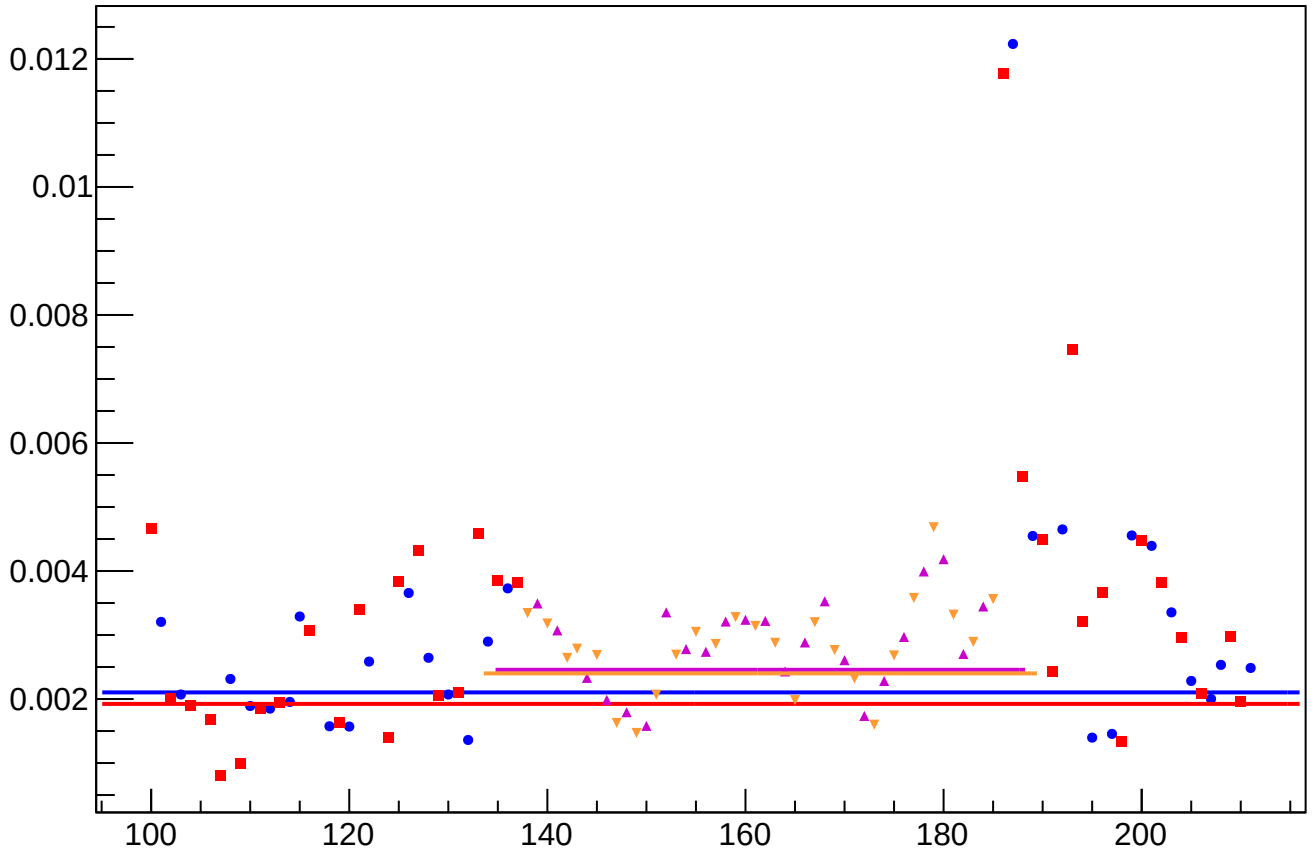
Right Out: 0.000+/-0.000 χ^2/NDF: 70.2/32

Left In: -0.000+/-0.000 χ^2/NDF:19.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 77.3/52

All: 0.000+/-0.000 χ^2/NDF: 173.7/108

- sign 0.000+/-0.000 χ^2/NDF: 95.9/55



Right In: 0.002+/-0.000 χ^2/NDF: 4231896.4/27

Left Out: 0.002+/-0.000 χ^2/NDF:3123870.1/24

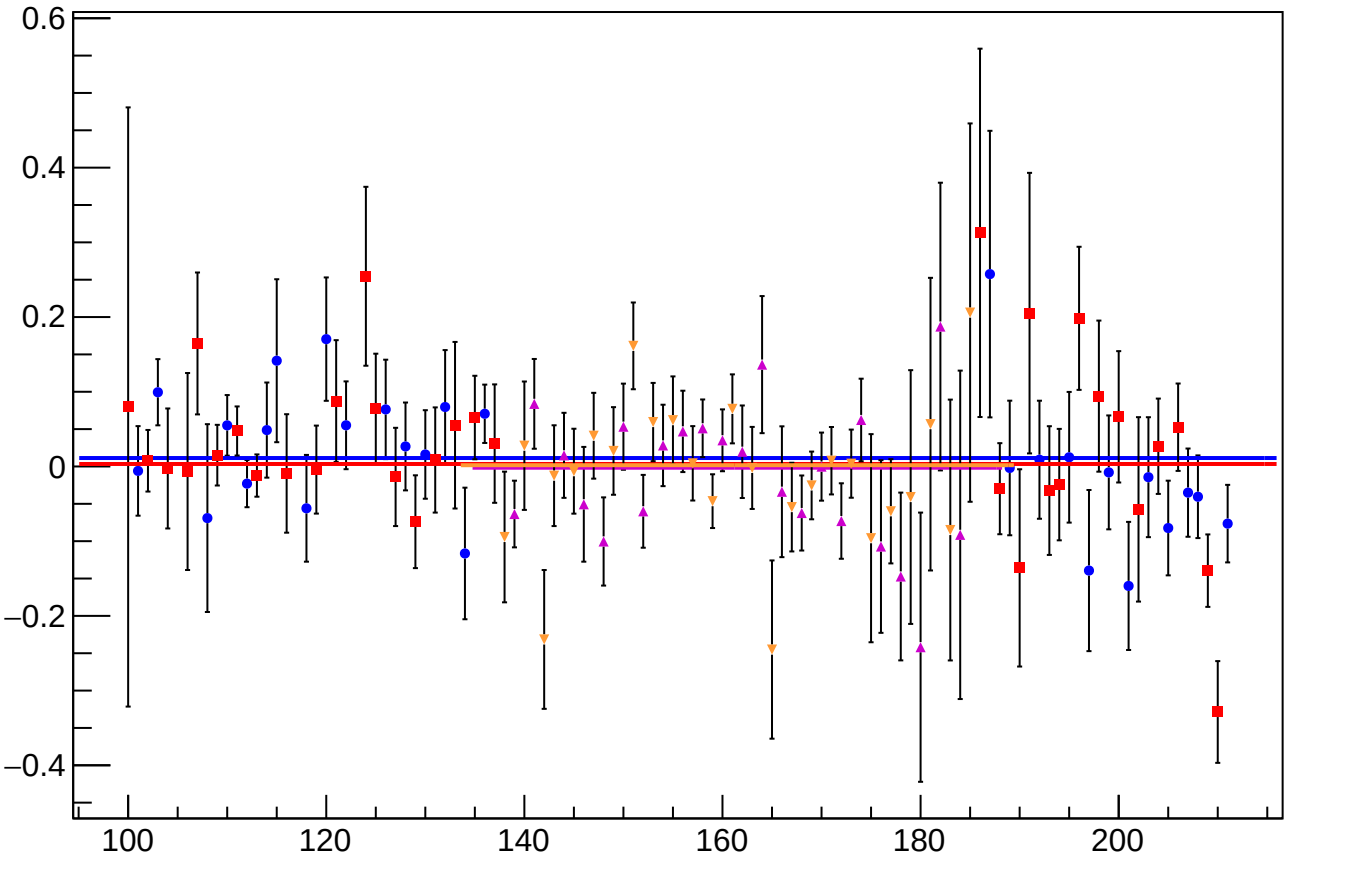
Right Out: 0.002+/-0.000 χ^2/NDF: 7794568.7/32

Left In: 0.002+/-0.000 χ^2/NDF:2629718.7/22

+ sign 0.002+/-0.000 χ^2/NDF: 7625650.9/52

All: 0.002+/-0.000 χ^2/NDF: 18997123.3/108

- sign 0.002+/-0.000 χ^2/NDF: 11313879.5/55



Right In: 0.011+/-0.012 χ^2/NDF: 34.3/27

Left Out: 0.002+/-0.012 χ^2/NDF:30.4/24

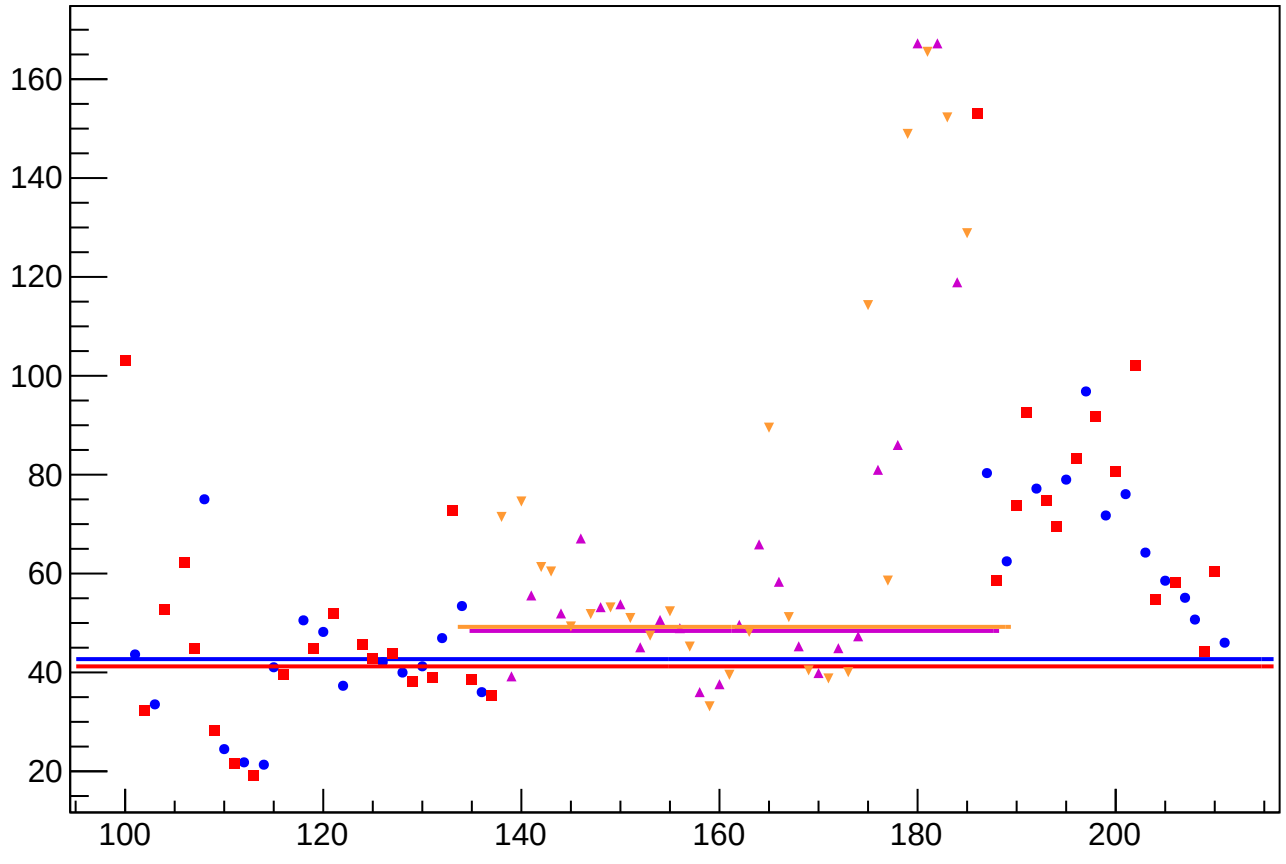
Right Out: 0.003+/-0.011 χ^2/NDF: 58.3/32

Left In: -0.002+/-0.012 χ^2/NDF:26.1/22

+ sign 0.007+/-0.008 χ^2/NDF: 65.0/52

All: 0.004+/-0.006 χ^2/NDF: 149.7/108

- sign 0.001+/-0.008 χ^2/NDF: 84.5/55



Right In: 42.692+/-0.008 χ^2/NDF: 4276209.6/27

Left Out: 49.217+/-0.009 χ^2/NDF:4171640.8/24

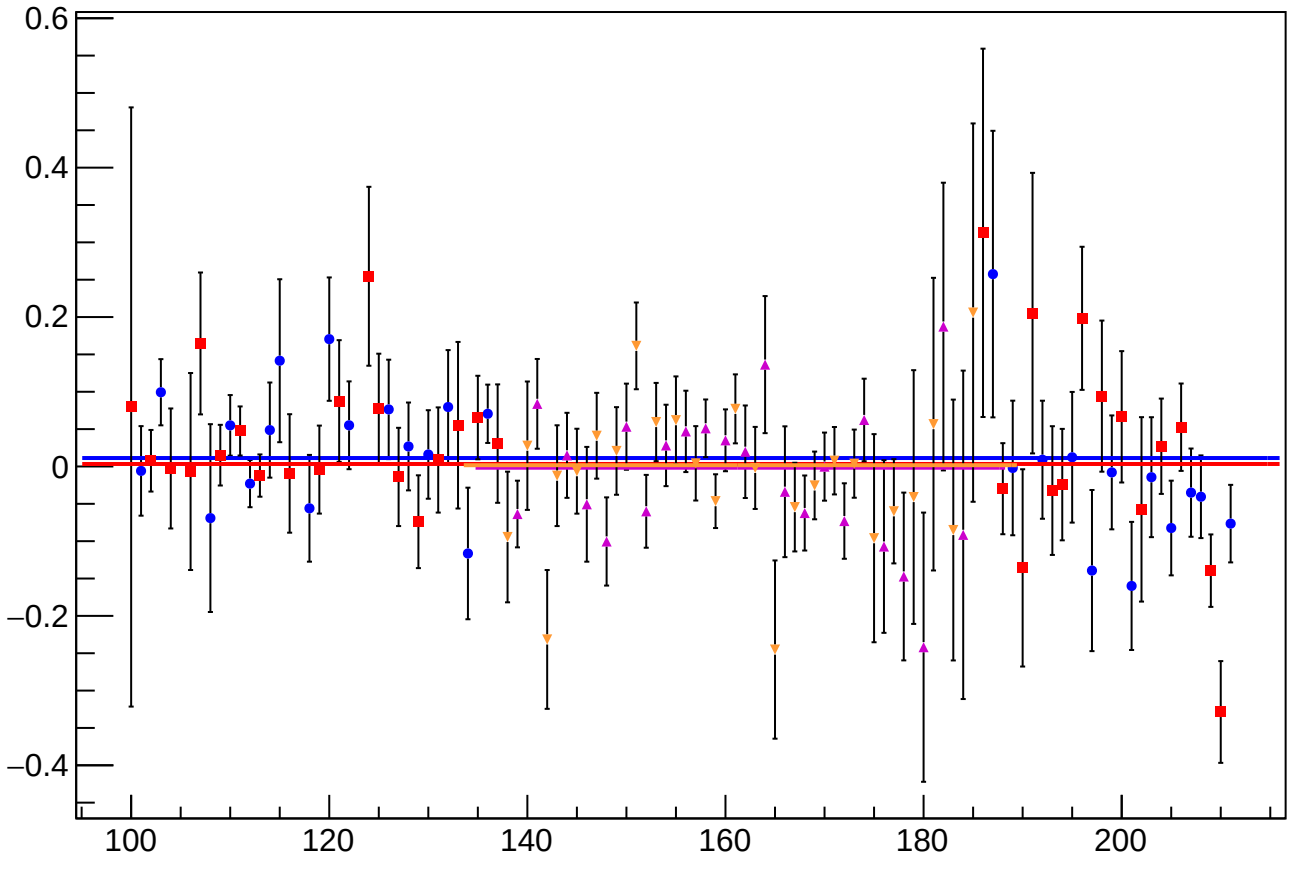
Right Out: 41.222+/-0.008 χ^2/NDF: 6242990.1/32

Left In: 48.393+/-0.009 χ^2/NDF:3033208.4/22

+ sign 45.770+/-0.006 χ^2/NDF: 8745306.0/52

All: 45.086+/-0.004 χ^2/NDF: 18418661.8/108

- sign 44.430+/-0.006 χ^2/NDF: 9647662.1/55



Right In: 0.011+/-0.012 χ^2/NDF: 34.3/27

Left Out: 0.002+/-0.012 χ^2/NDF:30.4/24

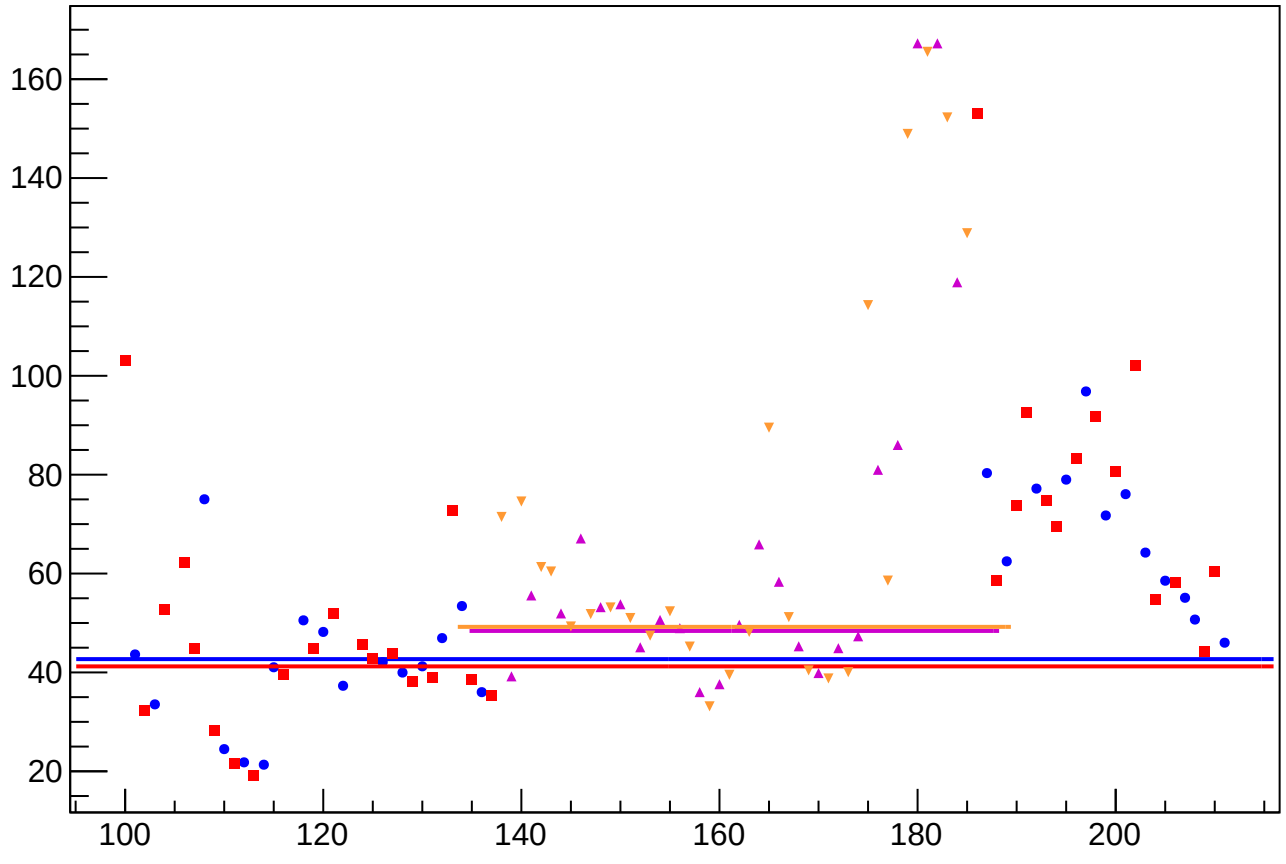
Right Out: 0.003+/-0.011 χ^2/NDF: 58.3/32

Left In: -0.002+/-0.012 χ^2/NDF:26.1/22

+ sign 0.007+/-0.008 χ^2/NDF: 65.0/52

All: 0.004+/-0.006 χ^2/NDF: 149.7/108

- sign 0.001+/-0.008 χ^2/NDF: 84.5/55



Right In: 42.692+/-0.008 χ^2/NDF: 4276209.6/27

Left Out: 49.217+/-0.009 χ^2/NDF:4171640.8/24

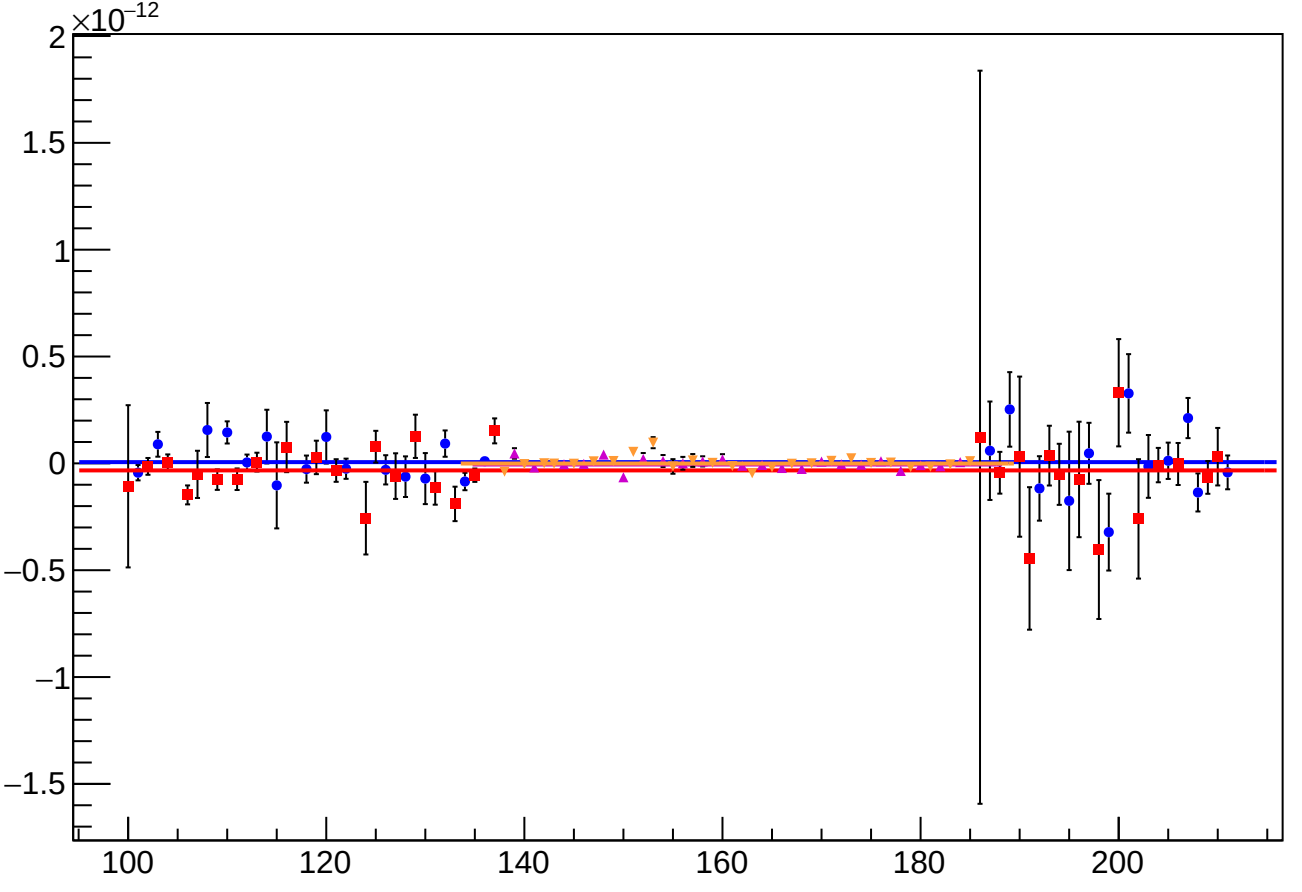
Right Out: 41.222+/-0.008 χ^2/NDF: 6242990.1/32

Left In: 48.393+/-0.009 χ^2/NDF:3033208.4/22

+ sign 45.770+/-0.006 χ^2/NDF: 8745306.0/52

All: 45.086+/-0.004 χ^2/NDF: 18418661.8/108

- sign 44.430+/-0.006 χ^2/NDF: 9647662.1/55



Right In: 0.000+/-0.000 χ^2/NDF: 40.8/27

Left Out: -0.000+/-0.000 χ^2/NDF:37.0/24

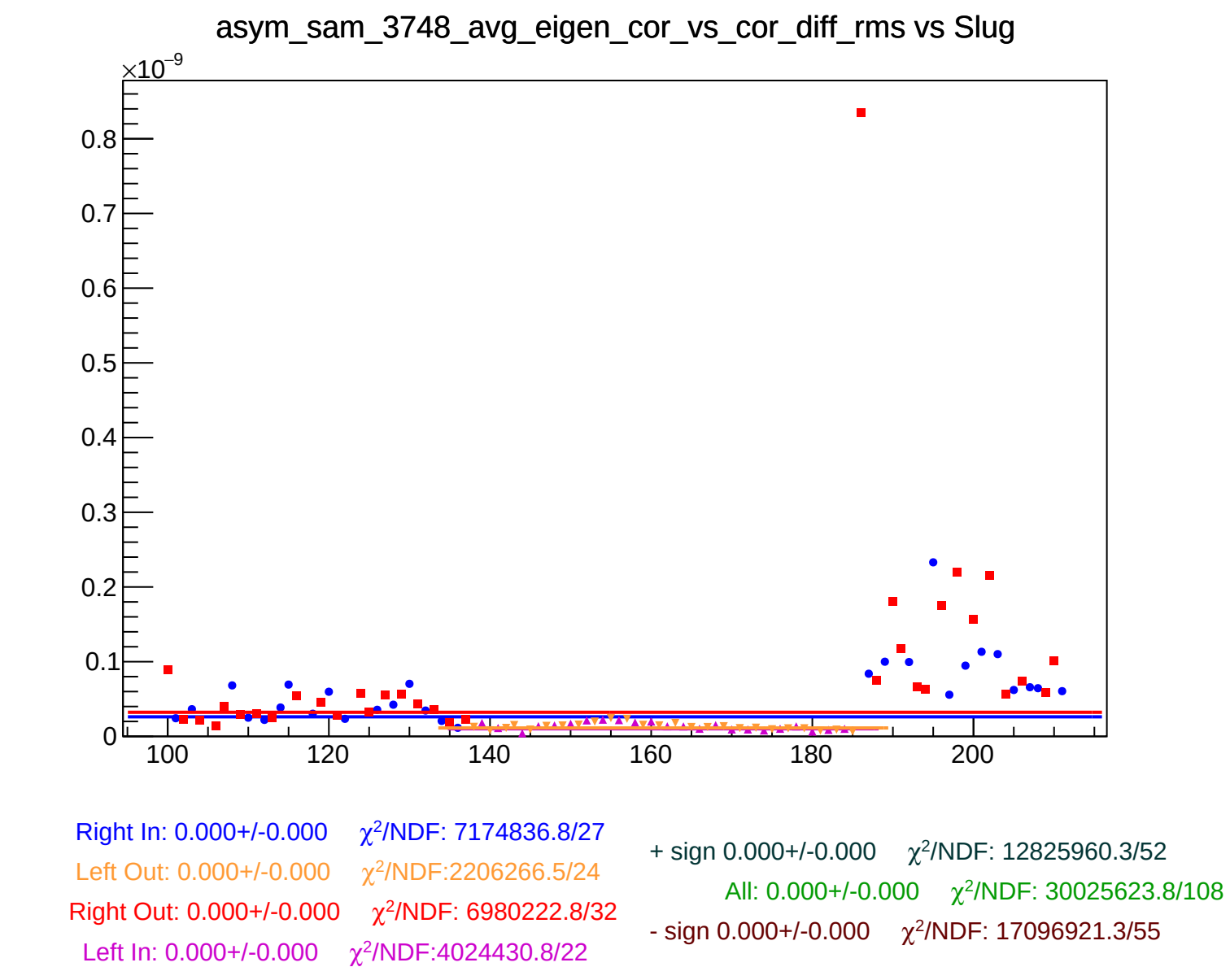
Right Out: -0.000+/-0.000 χ^2/NDF: 40.0/32

Left In: -0.000+/-0.000 χ^2/NDF:28.4/22

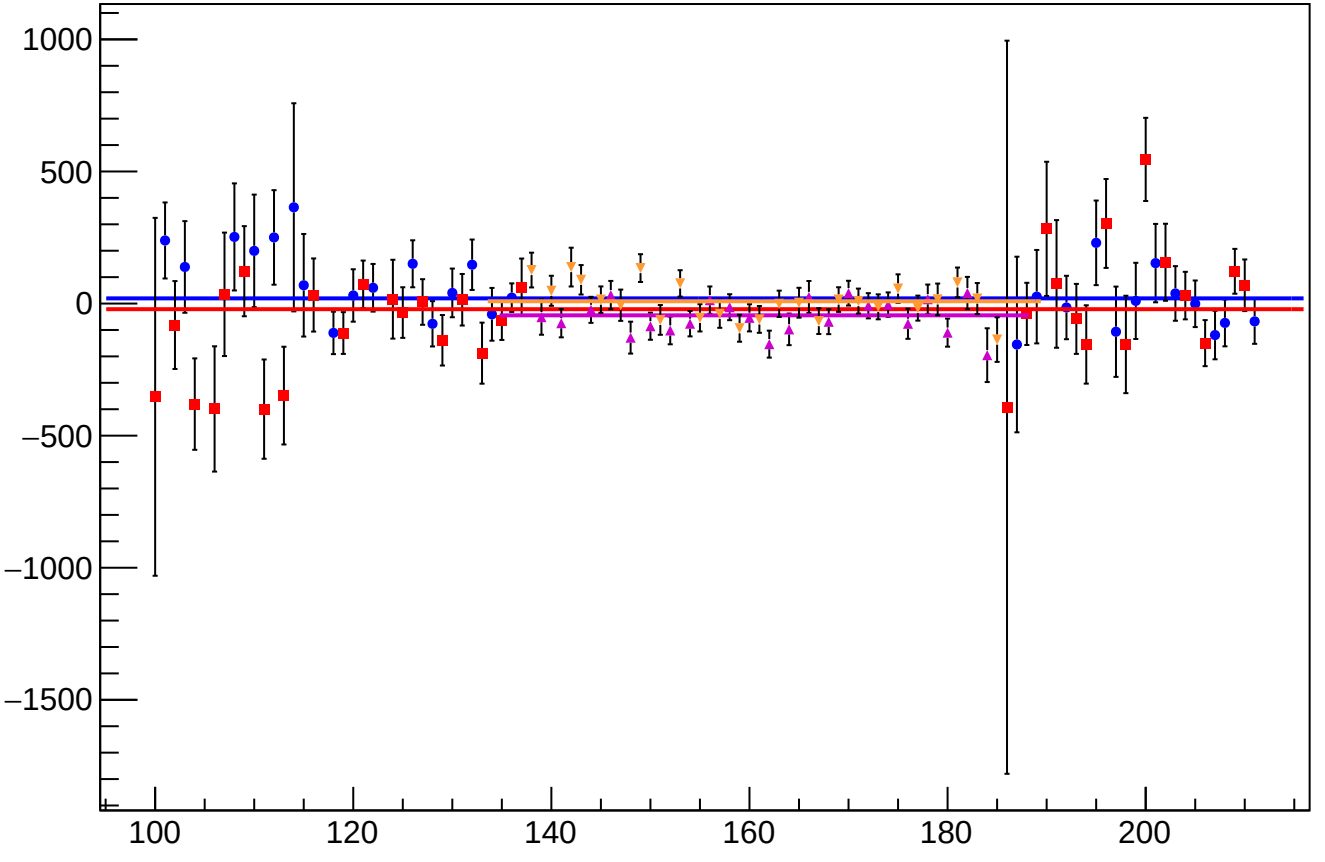
+ sign -0.000+/-0.000 χ^2/NDF: 78.1/52

All: -0.000+/-0.000 χ^2/NDF: 153.7/108

- sign -0.000+/-0.000 χ^2/NDF: 73.1/55


asym_sam_3748_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 7174836.8/27
Left Out: 0.000+/-0.000 χ²/NDF:2206266.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 6980222.8/32
Left In: 0.000+/-0.000 χ²/NDF:4024430.8/22
+ sign 0.000+/-0.000 χ²/NDF: 12825960.3/52
All: 0.000+/-0.000 χ²/NDF: 30025623.8/108
- sign 0.000+/-0.000 χ²/NDF: 17096921.3/55

reg_asym_sam_1526_avg_mean vs Slug



Right In: 19.643+/-20.463 χ^2/NDF: 23.8/27

Left Out: 8.756+/-10.770 χ^2/NDF:34.6/24

Right Out: -21.286+/-21.122 χ^2/NDF: 50.0/32

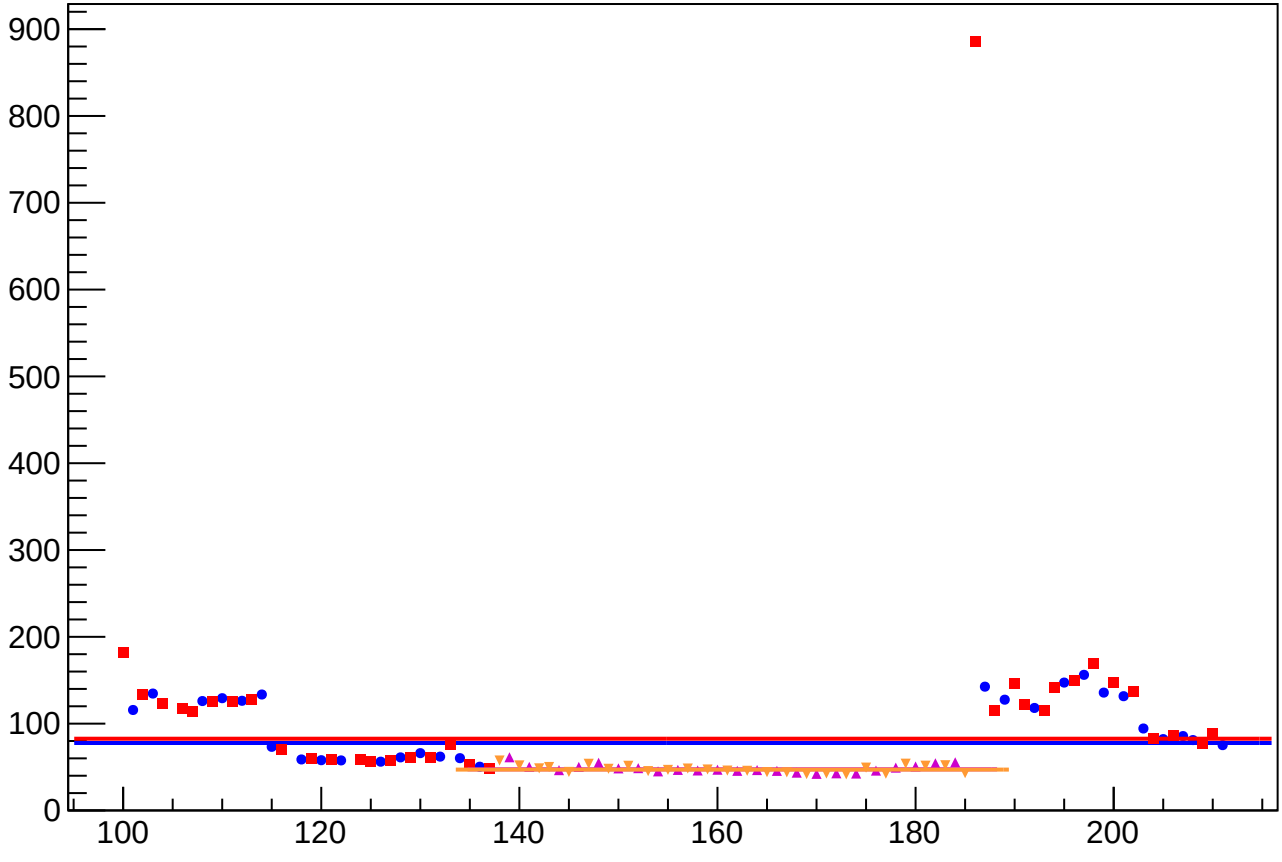
Left In: -44.541+/-11.149 χ^2/NDF:27.0/22

+ sign 11.117+/-9.530 χ^2/NDF: 58.6/52

All: -13.320+/-6.852 χ^2/NDF: 150.2/108

- sign -39.474+/-9.860 χ^2/NDF: 78.0/55

reg_asym_sam_1526_avg_rms vs Slug



Right In: 77.707+/-0.014 χ^2/NDF: 3842992.4/27

Left Out: 47.064+/-0.008 χ^2/NDF:287590.7/24

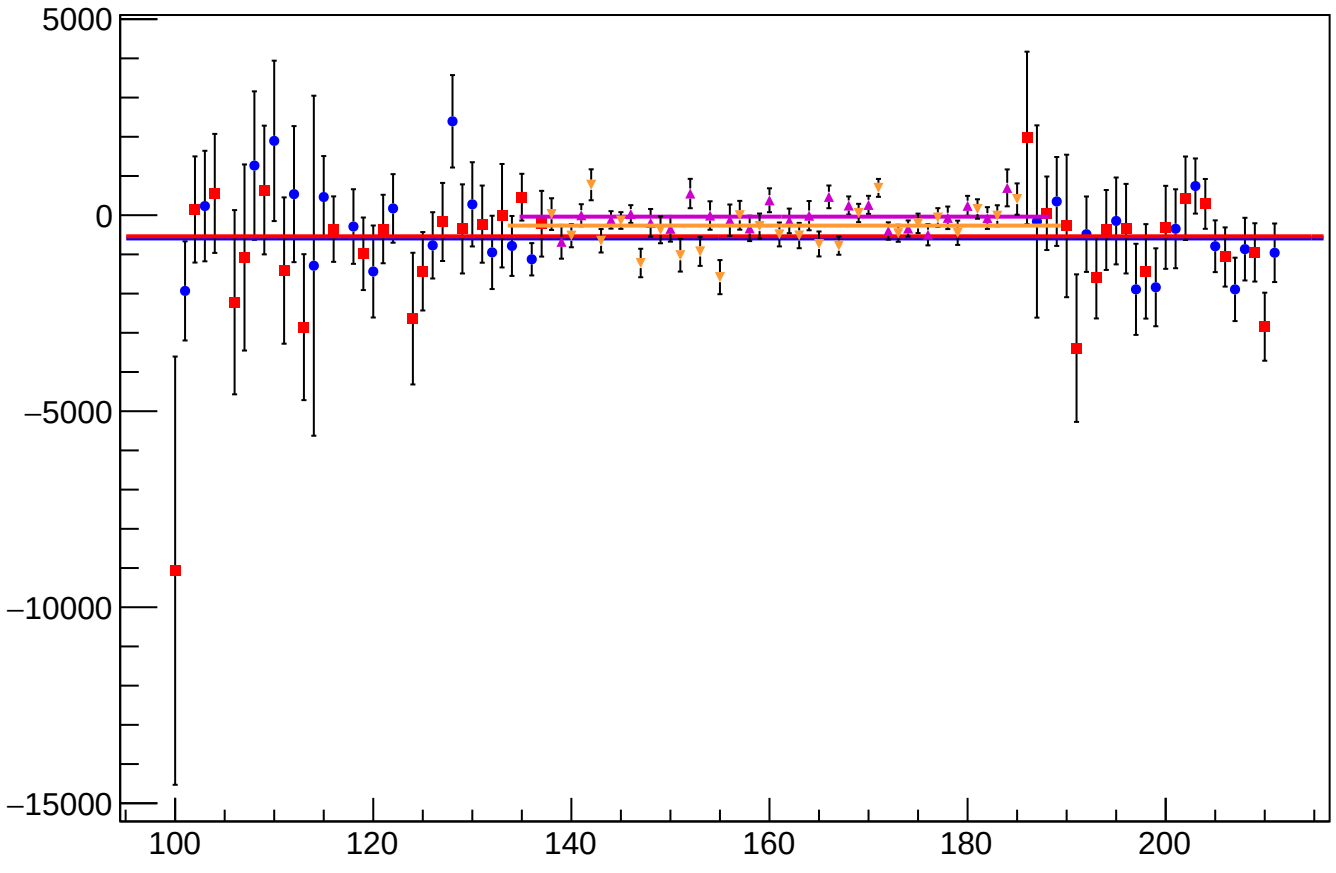
Right Out: 82.640+/-0.015 χ^2/NDF: 5000958.7/32

Left In: 47.384+/-0.008 χ^2/NDF:271036.5/22

+ sign 53.710+/-0.007 χ^2/NDF: 7642516.4/52

All: 54.365+/-0.005 χ^2/NDF: 17292106.1/108

- sign 55.065+/-0.007 χ^2/NDF: 9630062.3/55



Right In: -593.087+/-175.159 χ^2/NDF: 26.2/27

Left Out: -265.684+/-58.031 χ^2/NDF:69.8/24

Right Out: -538.612+/-183.775 χ^2/NDF: 28.2/32

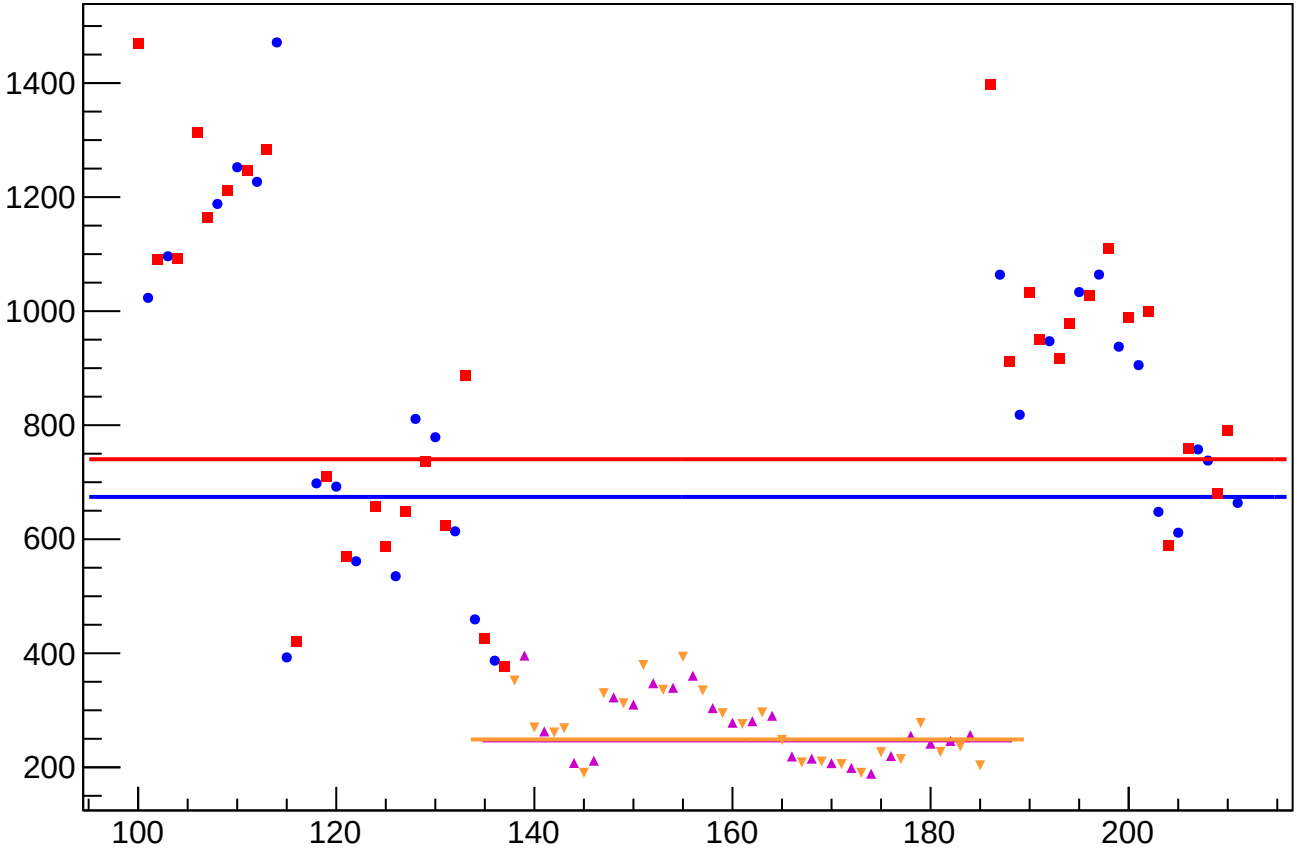
Left In: -37.530+/-59.159 χ^2/NDF:26.6/22

+ sign -298.066+/-55.087 χ^2/NDF: 99.1/52

All: -193.674+/-39.379 χ^2/NDF: 168.0/108

- sign -84.580+/-56.314 χ^2/NDF: 61.5/55

asym_sam_1526_avg_reg_correction_rms vs Slug



Right In: 674.201+/-0.124 χ^2/NDF: 3306671.7/27

Left Out: 248.891+/-0.041 χ^2/NDF:1663709.5/24

Right Out: 740.288+/-0.130 χ^2/NDF: 3532496.6/32

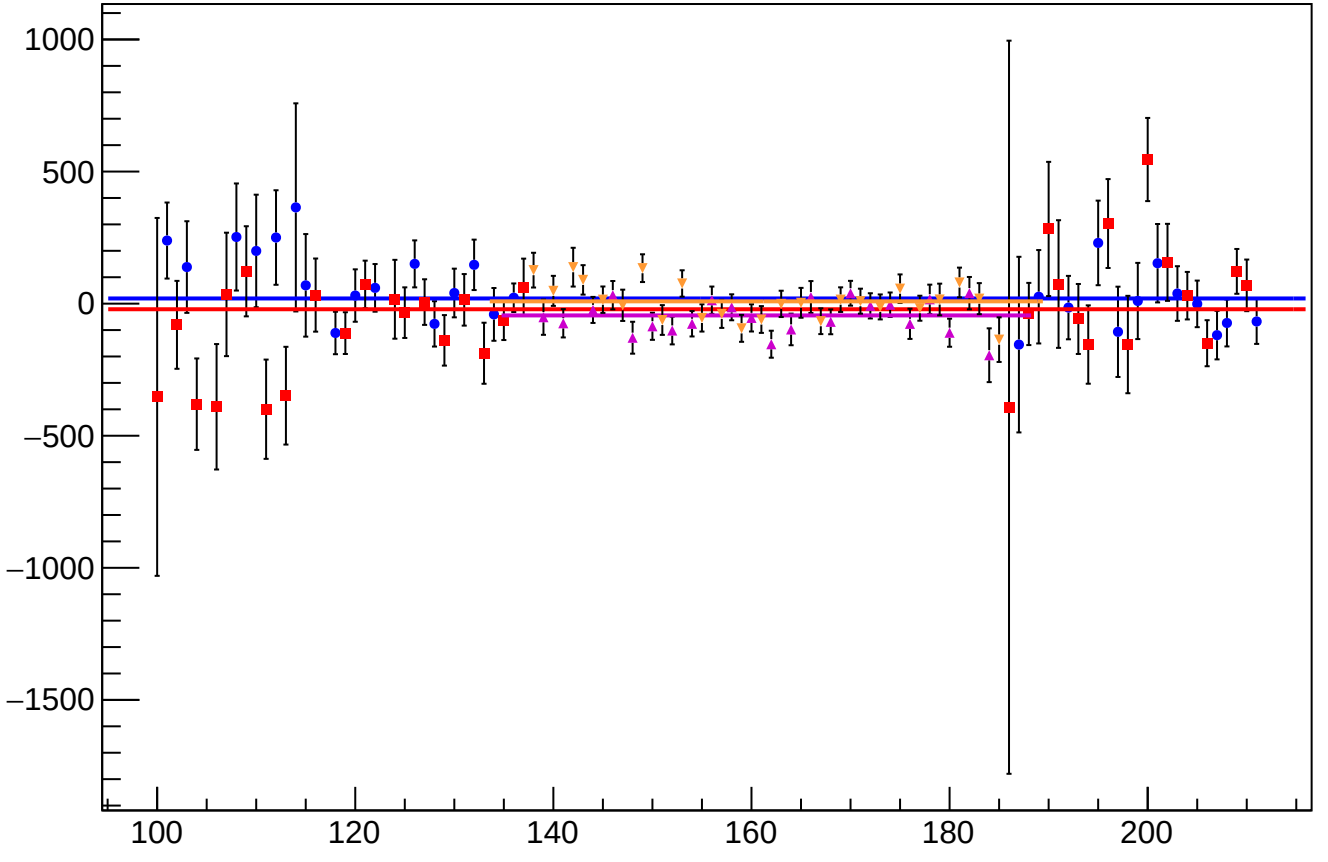
Left In: 247.109+/-0.042 χ^2/NDF:1484450.6/22

+ sign 290.957+/-0.039 χ^2/NDF: 15595787.8/52

All: 292.160+/-0.028 χ^2/NDF: 33665669.9/10

- sign 293.417+/-0.040 χ^2/NDF: 18067931.5/55

cor_asym_sam_1526_avg_mean vs Slug



Right In: 19.635+/-20.463 χ^2/NDF: 23.8/27

Left Out: 8.758+/-10.770 χ^2/NDF:34.6/24

Right Out: -21.194+/-21.123 χ^2/NDF: 49.9/32

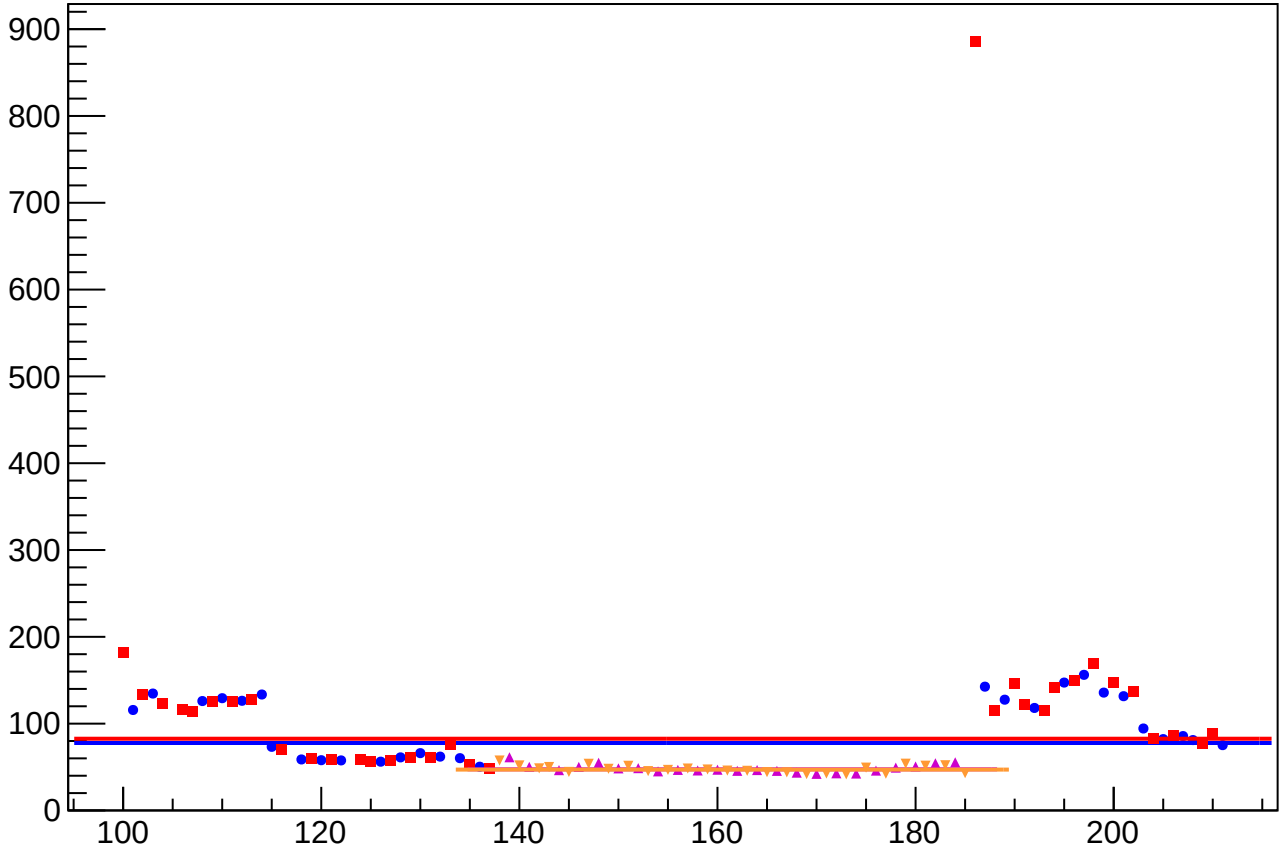
Left In: -44.540+/-11.149 χ^2/NDF:27.0/22

+ sign 11.117+/-9.530 χ^2/NDF: 58.6/52

All: -13.310+/-6.852 χ^2/NDF: 150.0/108

- sign -39.453+/-9.860 χ^2/NDF: 77.9/55

cor_asym_sam_1526_avg_rms vs Slug



Right In: 77.707+/-0.014 χ^2/NDF: 3842994.7/27

Left Out: 47.064+/-0.008 χ^2/NDF:287590.7/24

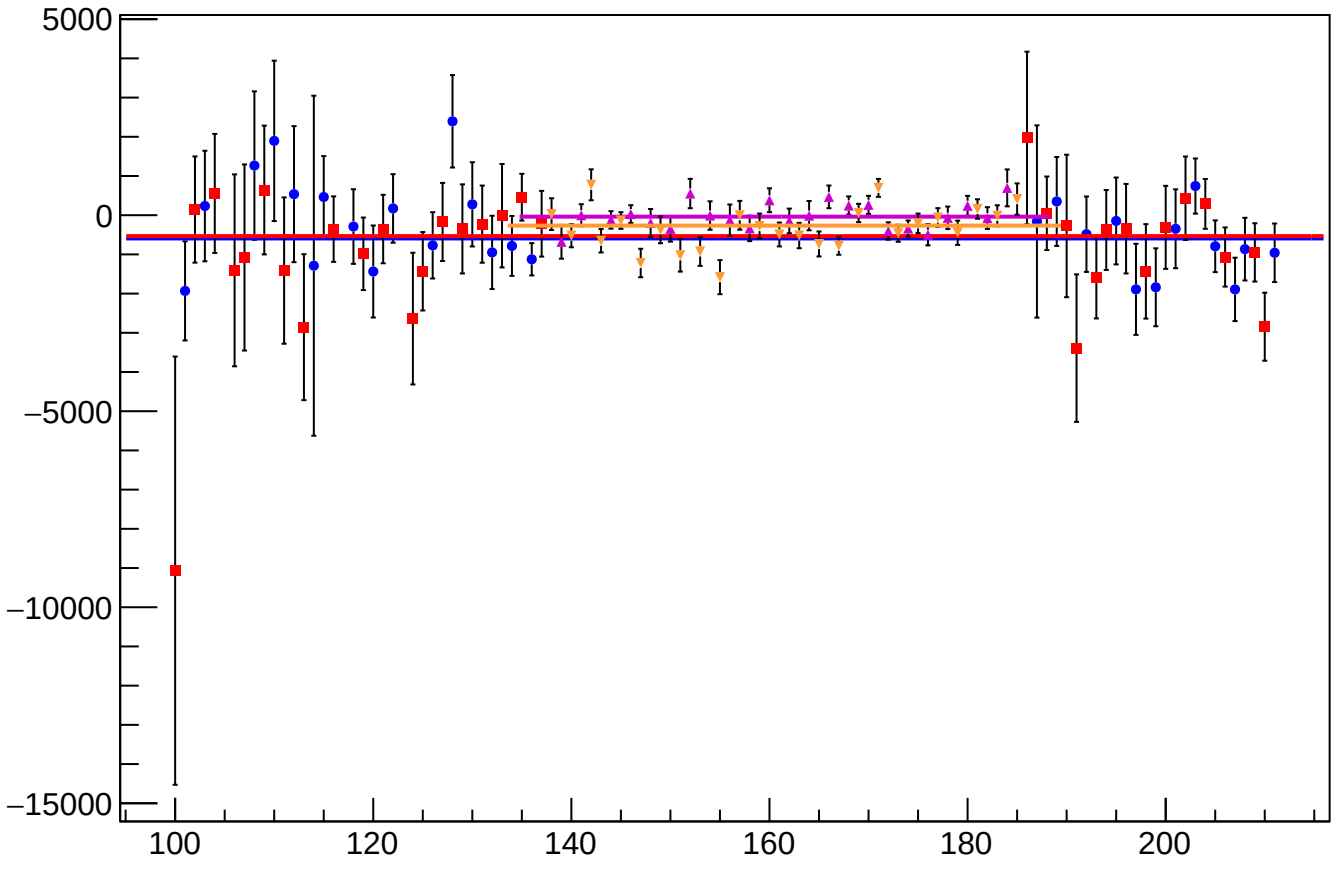
Right Out: 82.632+/-0.015 χ^2/NDF: 4998700.5/32

Left In: 47.384+/-0.008 χ^2/NDF:271036.5/22

+ sign 53.710+/-0.007 χ^2/NDF: 7642518.5/52

All: 54.364+/-0.005 χ^2/NDF: 17287594.4/108

- sign 55.063+/-0.007 χ^2/NDF: 9625607.4/55



Right In: -593.080+/-175.159 χ^2/NDF: 26.2/27

Left Out: -265.680+/-58.031 χ^2/NDF:69.8/24

Right Out: -533.278+/-183.822 χ^2/NDF: 27.8/32

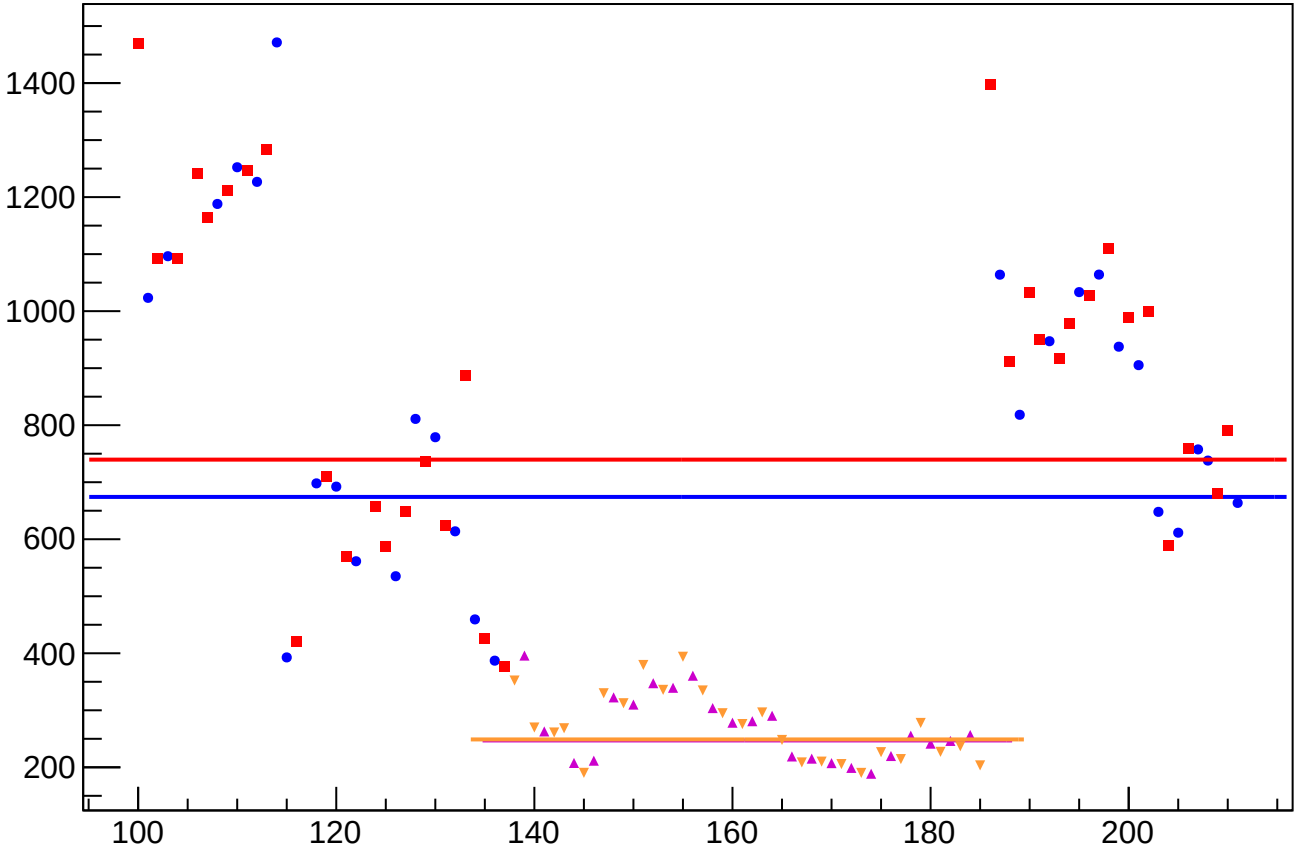
Left In: -37.527+/-59.159 χ^2/NDF:26.6/22

+ sign -298.062+/-55.087 χ^2/NDF: 99.1/52

All: -193.418+/-39.379 χ^2/NDF: 167.5/108

- sign -84.055+/-56.315 χ^2/NDF: 61.0/55

asym_sam_1526_avg_cor_correction_rms vs Slug



Right In: 674.201+/-0.124 χ^2/NDF: 3306711.1/27

Left Out: 248.891+/-0.041 χ^2/NDF:1663717.9/24

Right Out: 739.612+/-0.130 χ^2/NDF: 3497739.6/32

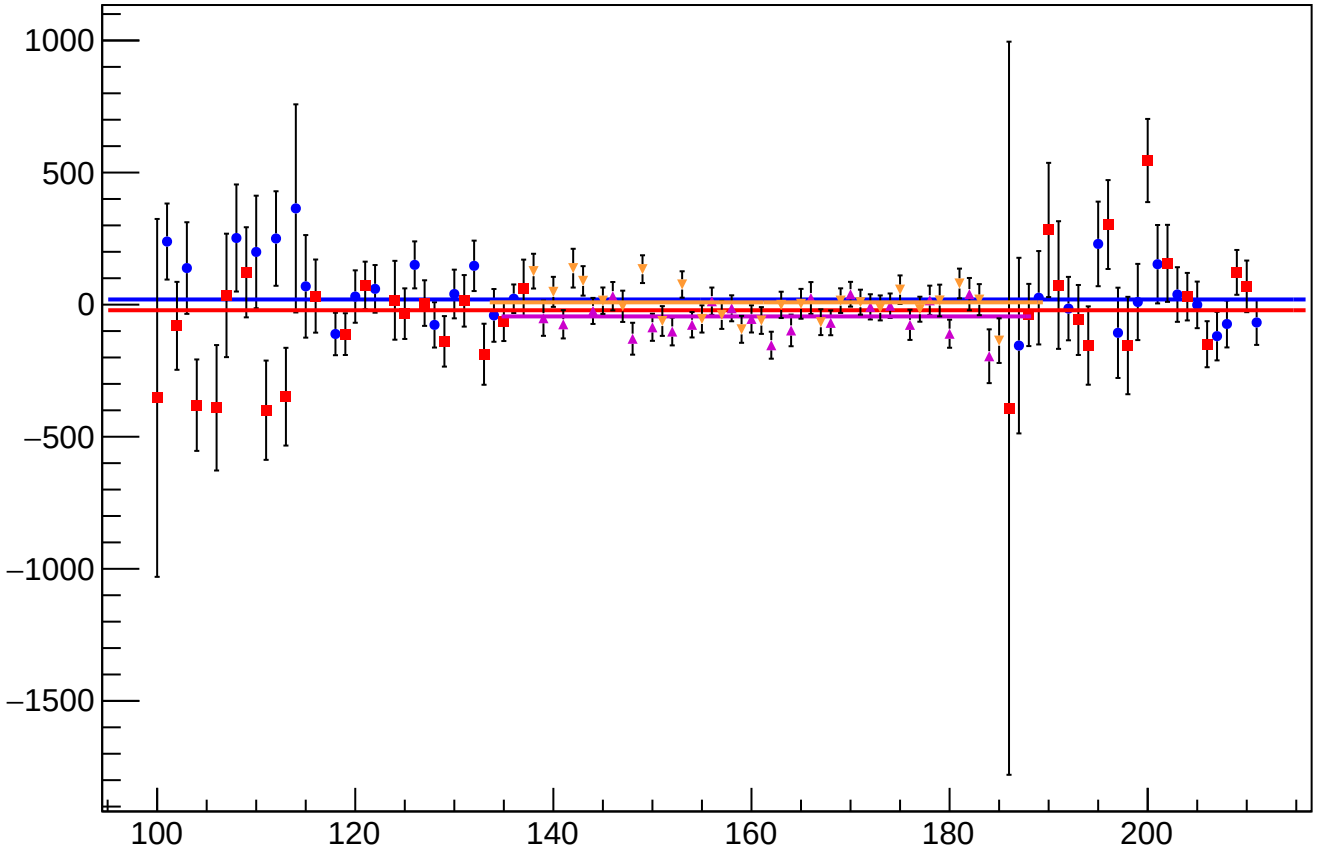
Left In: 247.109+/-0.042 χ^2/NDF:1484445.1/22

+ sign 290.957+/-0.039 χ^2/NDF: 15595829.9/52

All: 292.119+/-0.028 χ^2/NDF: 33589066.0/10

- sign 293.333+/-0.040 χ^2/NDF: 17991417.1/55

eigen_cor_asym_sam_1526_avg_mean vs Slug



Right In: 19.635+/-20.463 χ^2/NDF: 23.8/27

Left Out: 8.758+/-10.770 χ^2/NDF:34.6/24

Right Out: -21.194+/-21.123 χ^2/NDF: 49.9/32

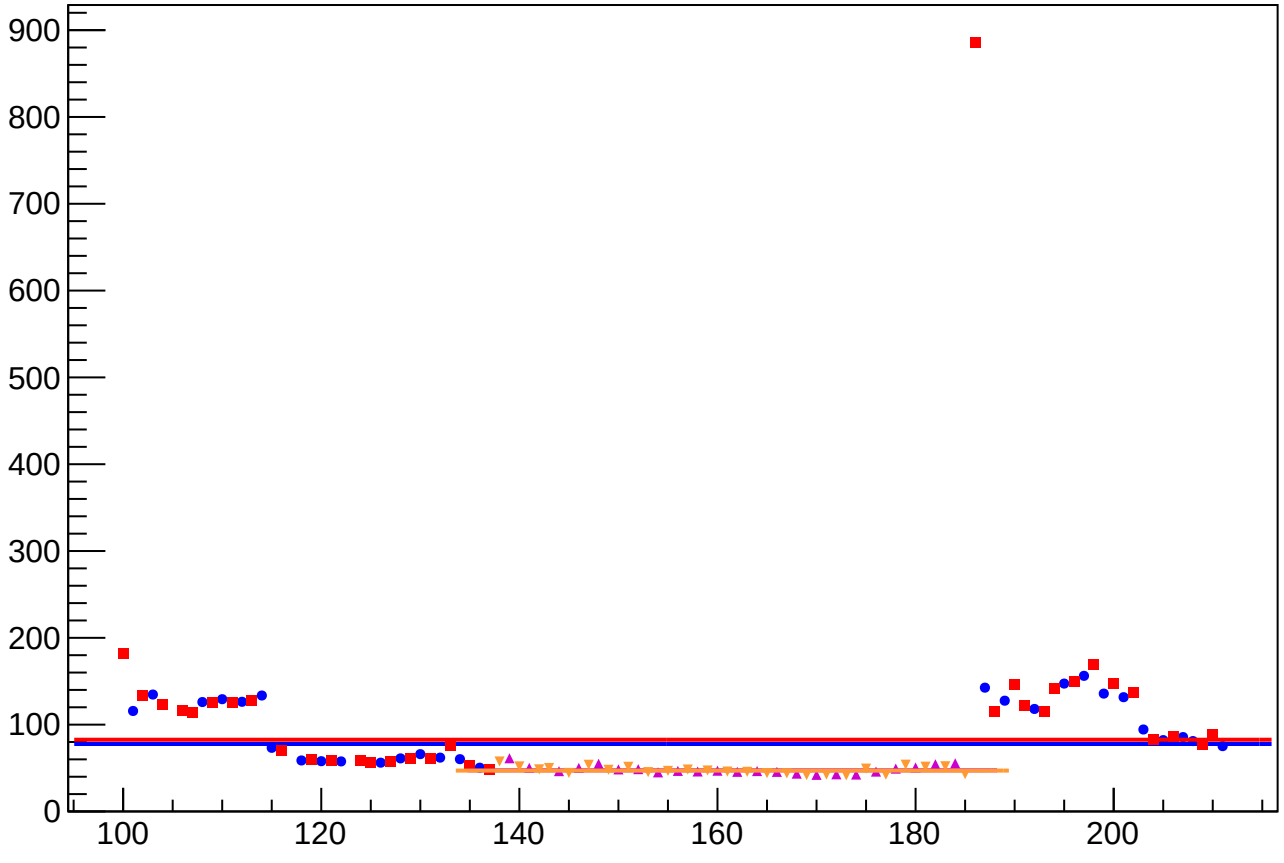
Left In: -44.540+/-11.149 χ^2/NDF:27.0/22

+ sign 11.117+/-9.530 χ^2/NDF: 58.6/52

All: -13.310+/-6.852 χ^2/NDF: 150.0/108

- sign -39.453+/-9.860 χ^2/NDF: 77.9/55

eigen_cor_asym_sam_1526_avg_rms vs Slug



Right In: 77.707+/-0.014 χ^2/NDF: 3842994.7/27

Left Out: 47.064+/-0.008 χ^2/NDF:287590.7/24

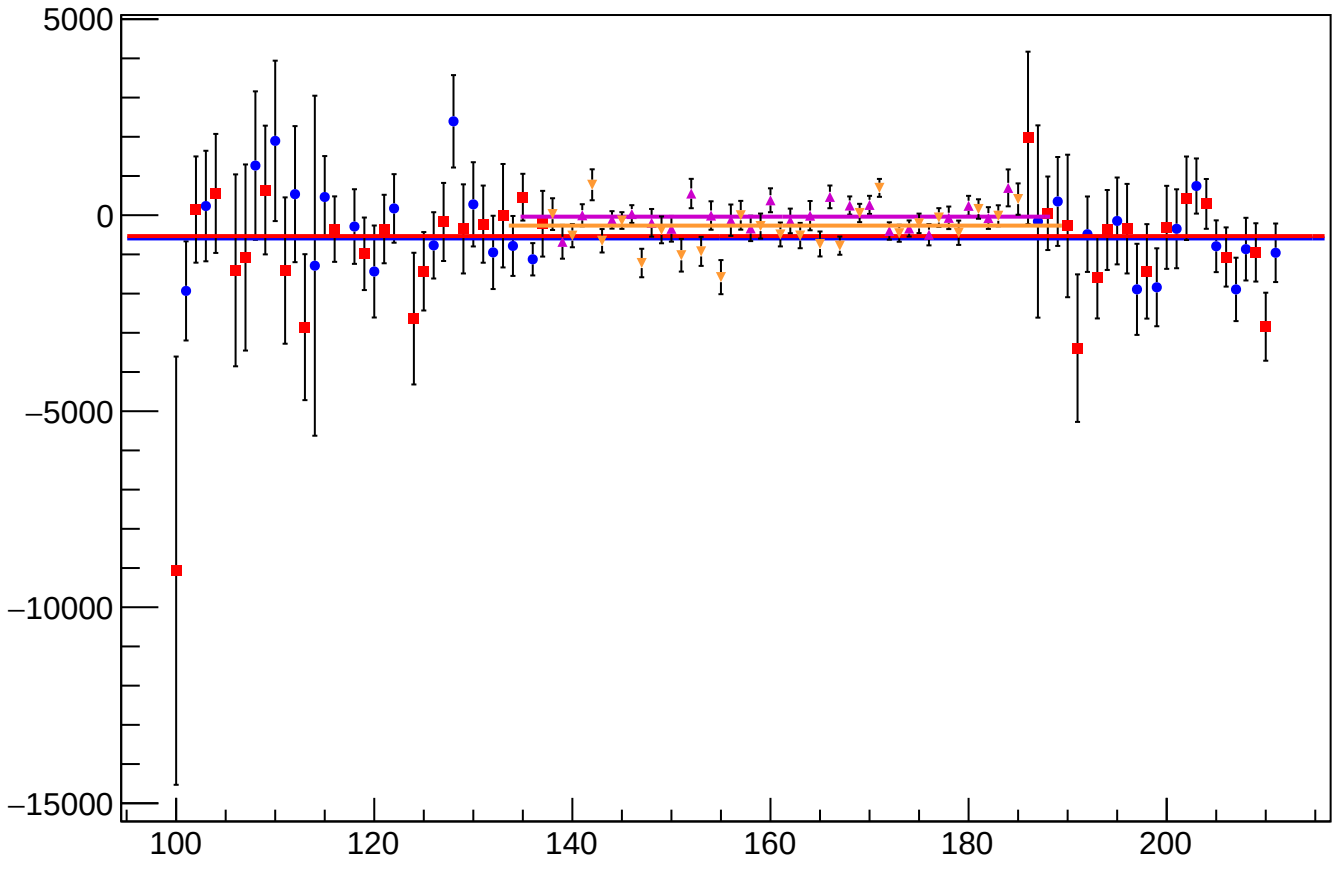
Right Out: 82.632+/-0.015 χ^2/NDF: 4998700.5/32

Left In: 47.384+/-0.008 χ^2/NDF:271036.5/22

+ sign 53.710+/-0.007 χ^2/NDF: 7642518.5/52

All: 54.364+/-0.005 χ^2/NDF: 17287594.4/108

- sign 55.063+/-0.007 χ^2/NDF: 9625607.4/55



Right In: -593.080+/-175.159 χ^2/NDF: 26.2/27

Left Out: -265.680+/-58.031 χ^2/NDF:69.8/24

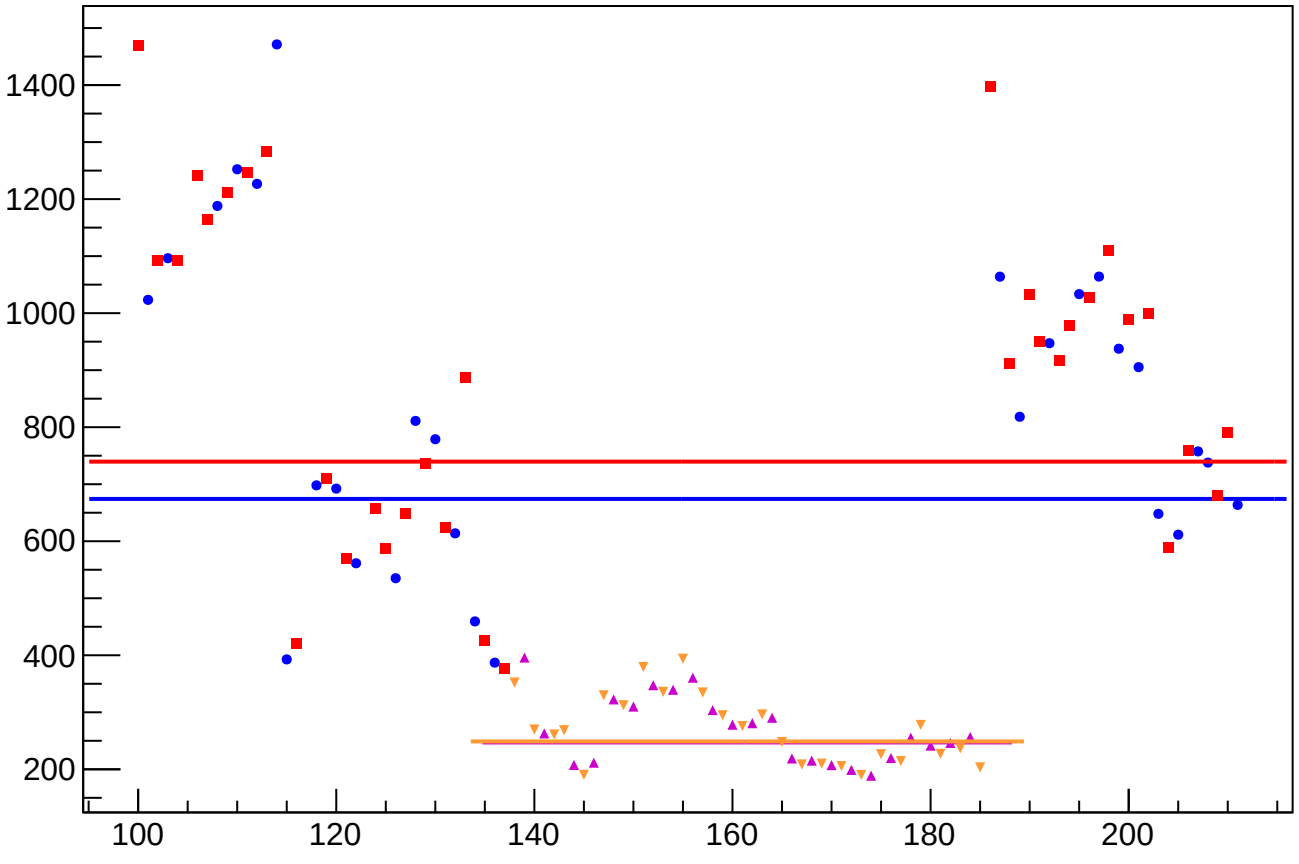
Right Out: -533.278+/-183.822 χ^2/NDF: 27.8/32

Left In: -37.527+/-59.159 χ^2/NDF:26.6/22

+ sign -298.062+/-55.087 χ^2/NDF: 99.1/52

All: -193.418+/-39.379 χ^2/NDF: 167.5/108

- sign -84.055+/-56.315 χ^2/NDF: 61.0/55



Right In: 674.201+/-0.124 χ^2/NDF: 3306711.1/27

Left Out: 248.891+/-0.041 χ^2/NDF:1663717.9/24

Right Out: 739.612+/-0.130 χ^2/NDF: 3497739.6/32

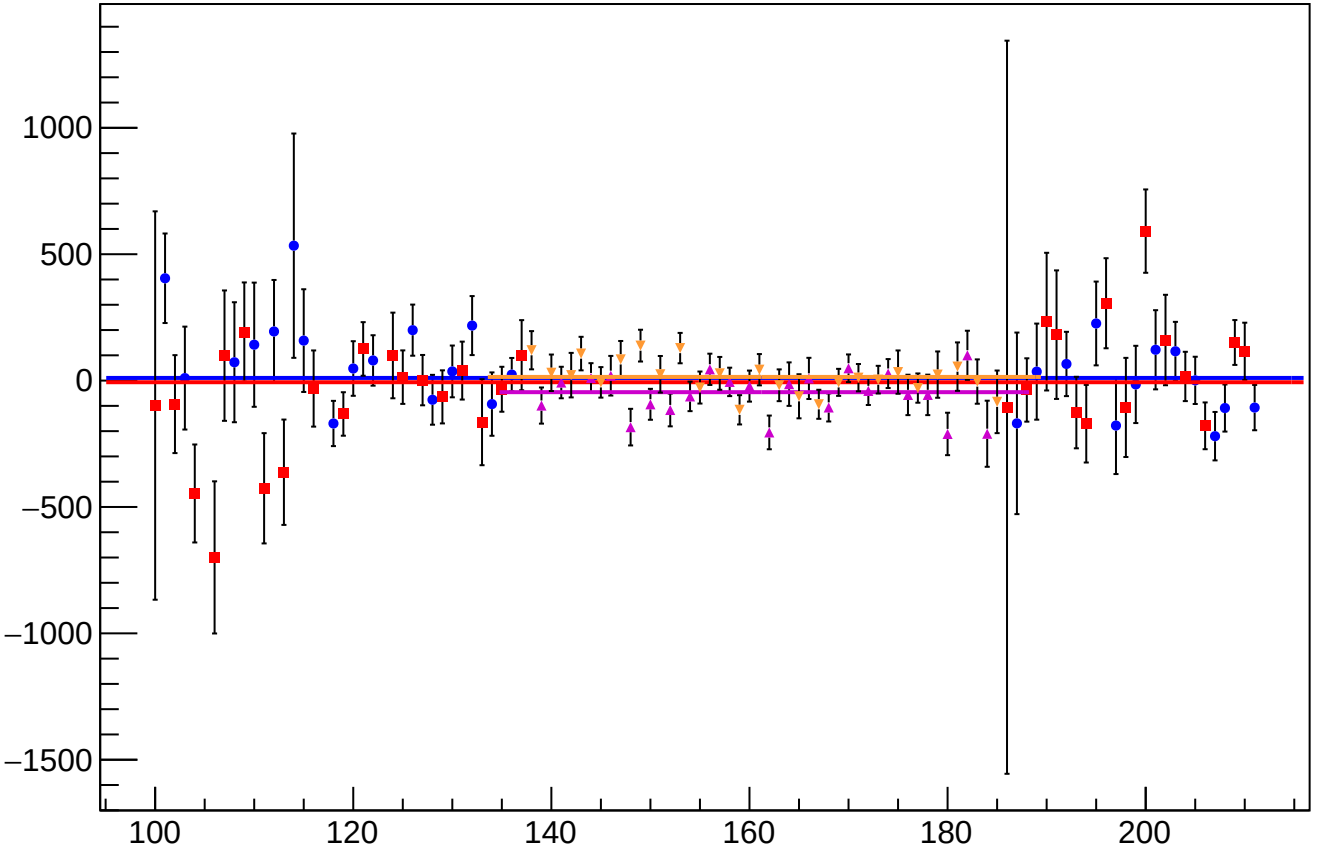
Left In: 247.109+/-0.042 χ^2/NDF:1484445.1/22

+ sign 290.957+/-0.039 χ^2/NDF: 15595829.9/52

All: 292.119+/-0.028 χ^2/NDF: 33589066.0/10

- sign 293.333+/-0.040 χ^2/NDF: 17991417.1/55

dit_asym_sam_1526_avg_mean vs Slug



Right In: 10.535+/-22.946 χ^2/NDF: 34.5/27

Left Out: 14.498+/-13.454 χ^2/NDF:24.5/24

Right Out: -6.442+/-23.826 χ^2/NDF: 53.1/32

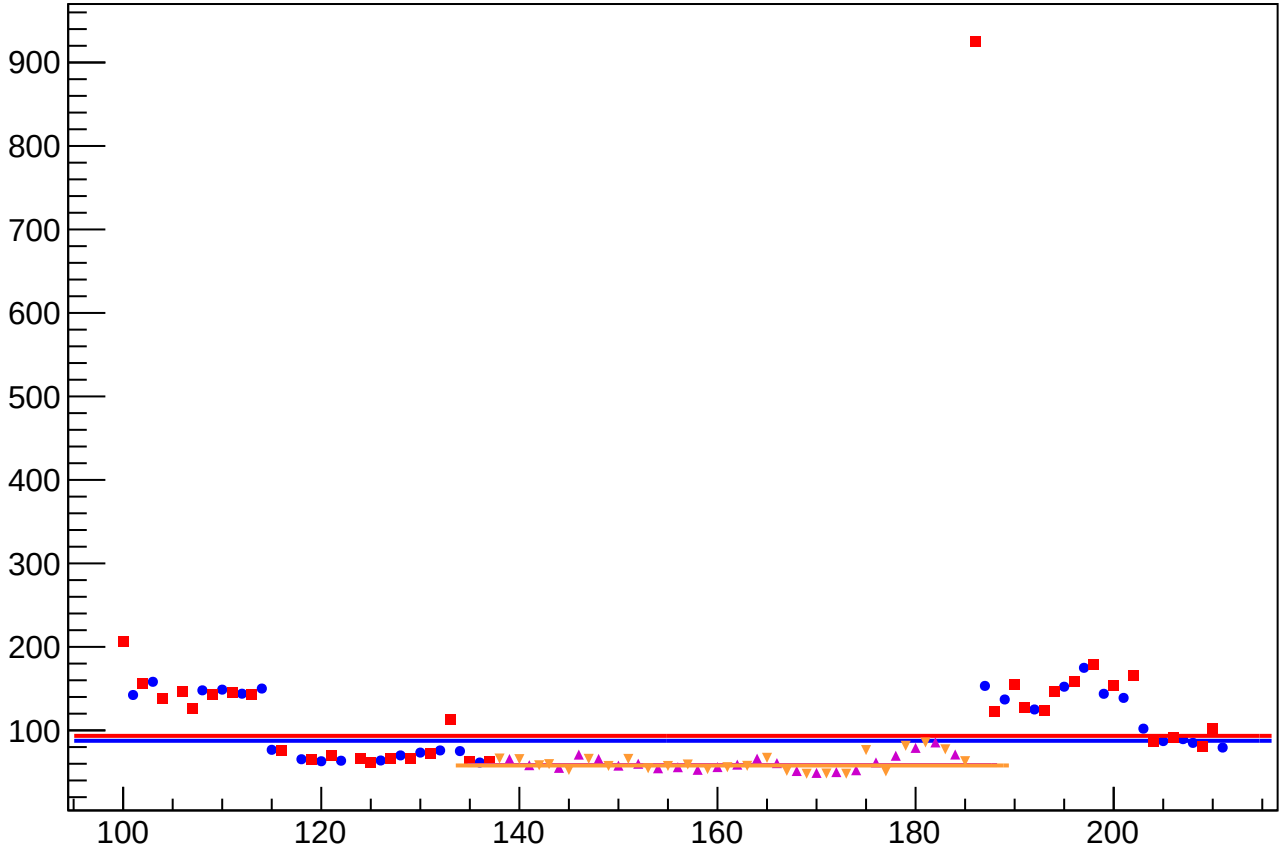
Left In: -45.806+/-13.931 χ^2/NDF:30.7/22

+ sign 13.484+/-11.606 χ^2/NDF: 59.1/52

All: -10.271+/-8.351 χ^2/NDF: 153.6/108

- sign -35.777+/-12.026 χ^2/NDF: 85.8/55

dit_asym_sam_1526_avg_rms vs Slug



Right In: 87.519+/-0.016 χ^2/NDF: 3419636.5/27

Left Out: 57.965+/-0.010 χ^2/NDF:896947.4/24

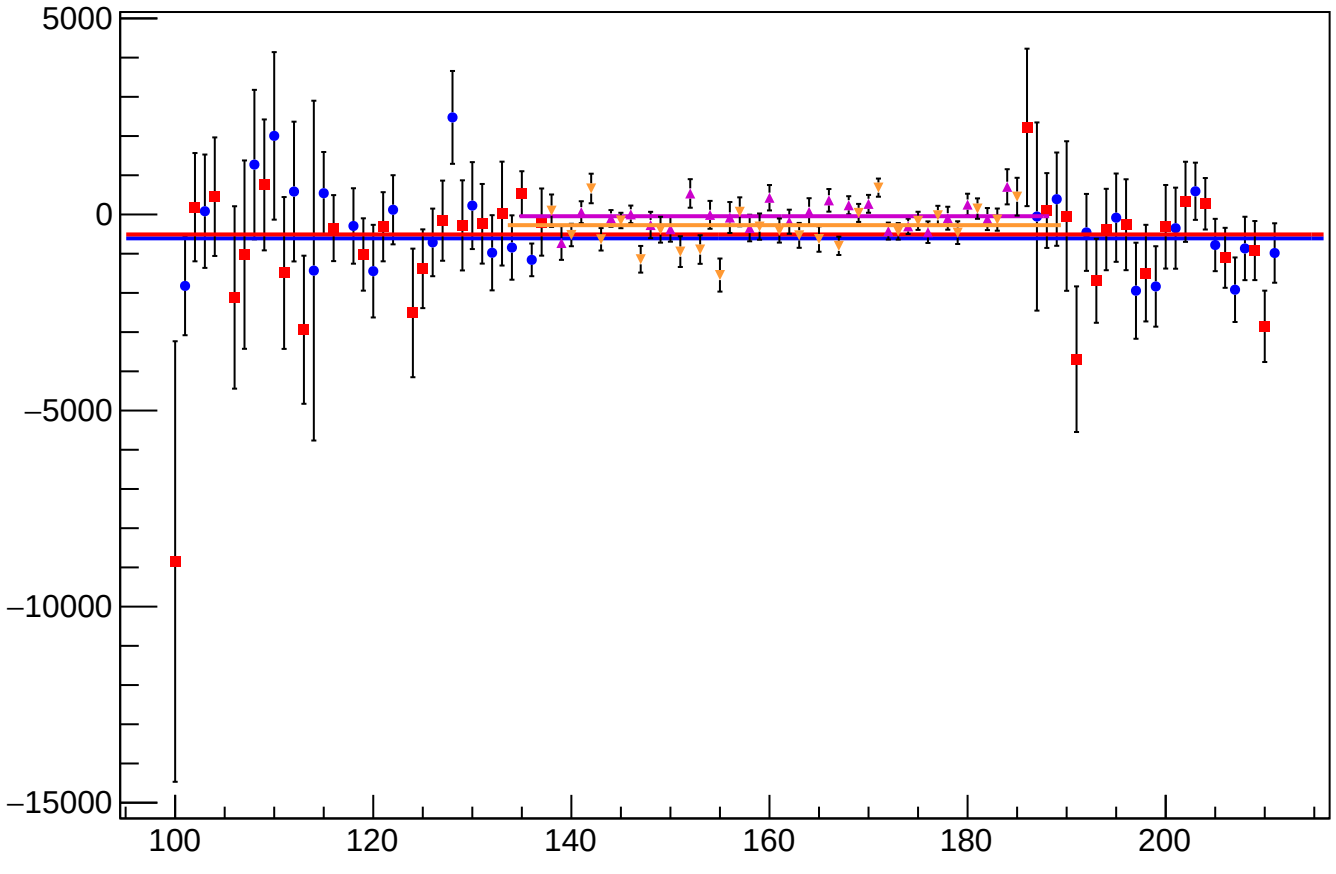
Right Out: 93.426+/-0.017 χ^2/NDF: 4612846.8/32

Left In: 58.479+/-0.010 χ^2/NDF:649919.9/22

+ sign 65.526+/-0.008 χ^2/NDF: 6785470.1/52

All: 66.421+/-0.006 χ^2/NDF: 15279361.6/108

- sign 67.383+/-0.009 χ^2/NDF: 8469217.5/55



Right In: -608.944+/-178.723 χ^2/NDF: 25.3/27

Left Out: -272.513+/-57.274 χ^2/NDF:65.8/24

Right Out: -509.075+/-185.260 χ^2/NDF: 29.2/32

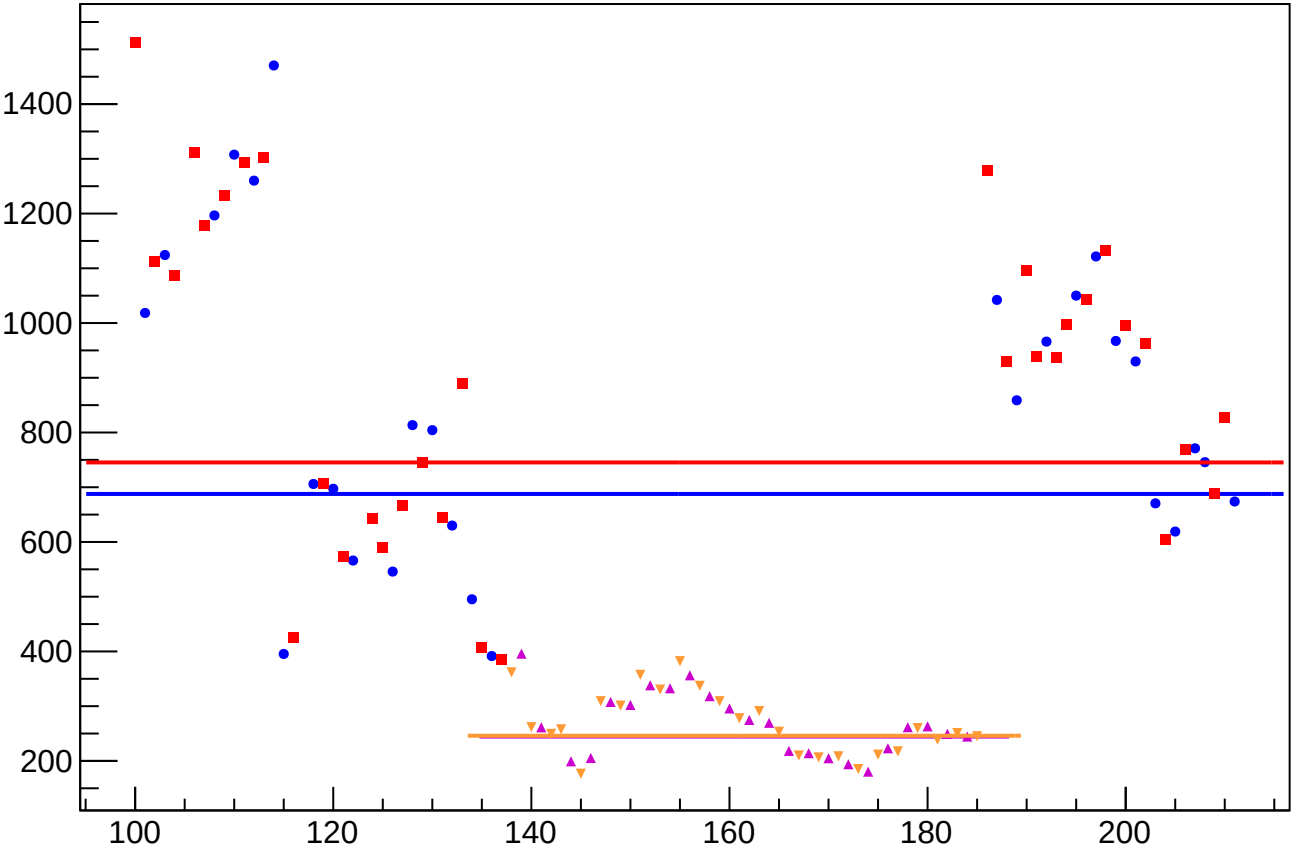
Left In: -44.553+/-58.614 χ^2/NDF:26.5/22

+ sign -303.846+/-54.542 χ^2/NDF: 94.3/52

All: -197.971+/-39.033 χ^2/NDF: 163.4/108

- sign -86.821+/-55.884 χ^2/NDF: 61.4/55

asym_sam_1526_avg_dit_correction_rms vs Slug



Right In: 687.740+/-0.126 χ^2/NDF: 3340372.4/27

Left Out: 246.017+/-0.040 χ^2/NDF:1680565.1/24

Right Out: 745.302+/-0.131 χ^2/NDF: 3643102.6/32

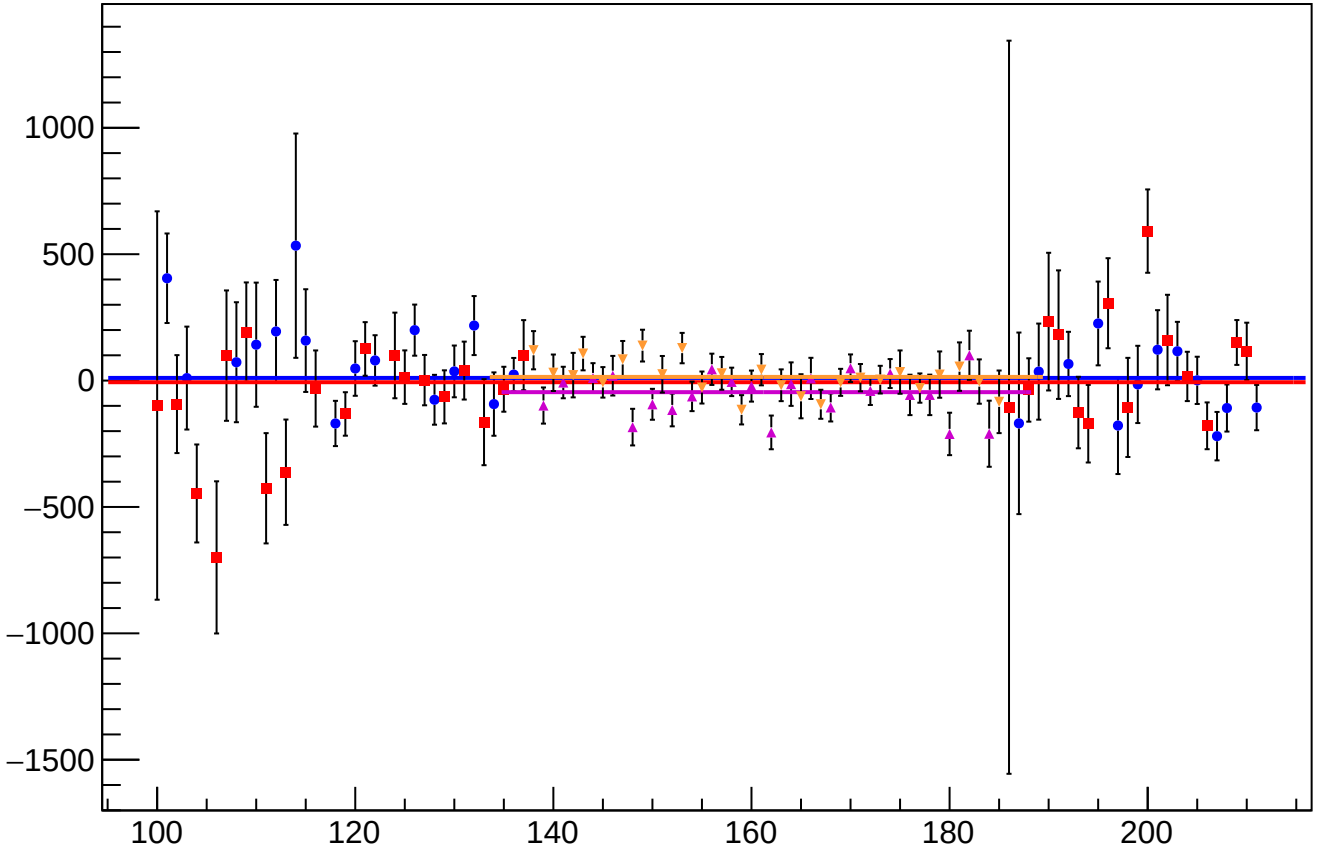
Left In: 244.450+/-0.041 χ^2/NDF:1596988.0/22

+ sign 287.155+/-0.039 χ^2/NDF: 16100239.2/52

All: 288.555+/-0.028 χ^2/NDF: 34630844.0/10

- sign 290.024+/-0.040 χ^2/NDF: 18527904.6/55

eigen_dit_asym_sam_1526_avg_mean vs Slug



Right In: 10.537+/-22.946 χ^2/NDF: 34.5/27

Left Out: 14.498+/-13.454 χ^2/NDF:24.5/24

Right Out: -6.442+/-23.826 χ^2/NDF: 53.1/32

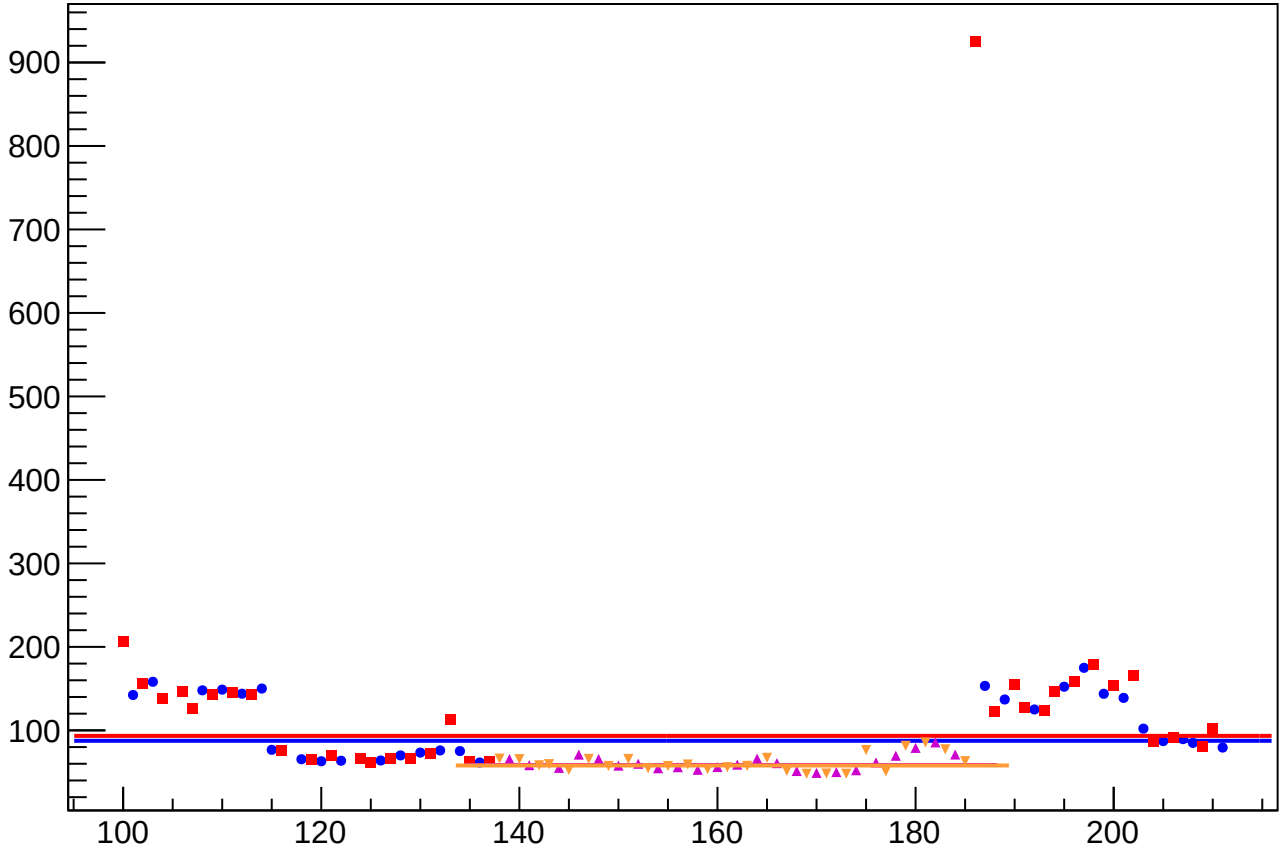
Left In: -45.805+/-13.931 χ^2/NDF:30.7/22

+ sign 13.484+/-11.606 χ^2/NDF: 59.1/52

All: -10.271+/-8.351 χ^2/NDF: 153.6/108

- sign -35.776+/-12.026 χ^2/NDF: 85.8/55

eigen_dit_asym_sam_1526_avg_rms vs Slug



Right In: 87.519+/-0.016 χ^2/NDF: 3419638.0/27

Left Out: 57.965+/-0.010 χ^2/NDF:896952.8/24

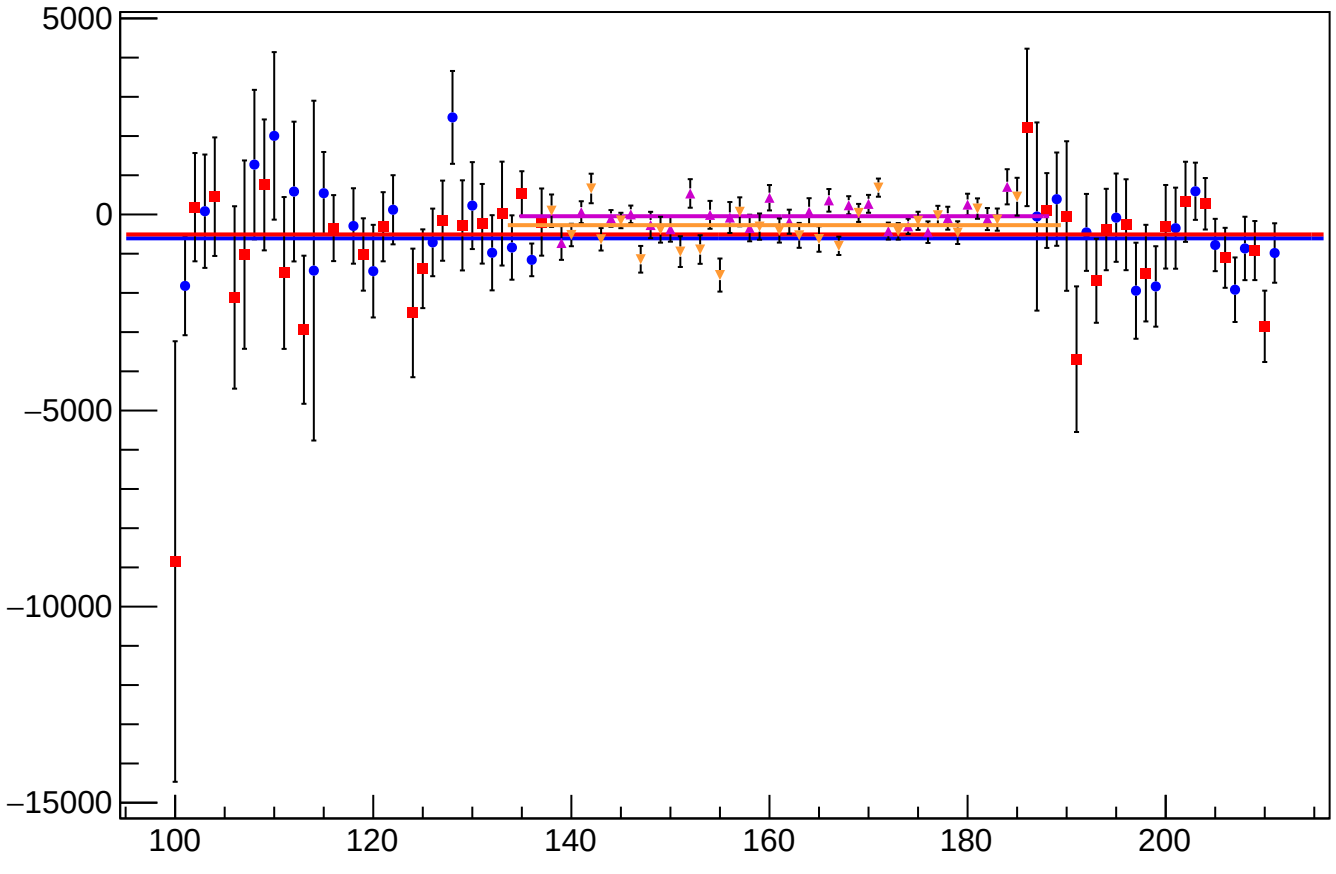
Right Out: 93.426+/-0.017 χ^2/NDF: 4612858.5/32

Left In: 58.479+/-0.010 χ^2/NDF:649911.4/22

+ sign 65.526+/-0.008 χ^2/NDF: 6785424.7/52

All: 66.422+/-0.006 χ^2/NDF: 15279256.7/108

- sign 67.383+/-0.009 χ^2/NDF: 8469156.0/55



Right In: -608.942+/-178.723 χ^2/NDF: 25.3/27

Left Out: -272.512+/-57.274 χ^2/NDF:65.8/24

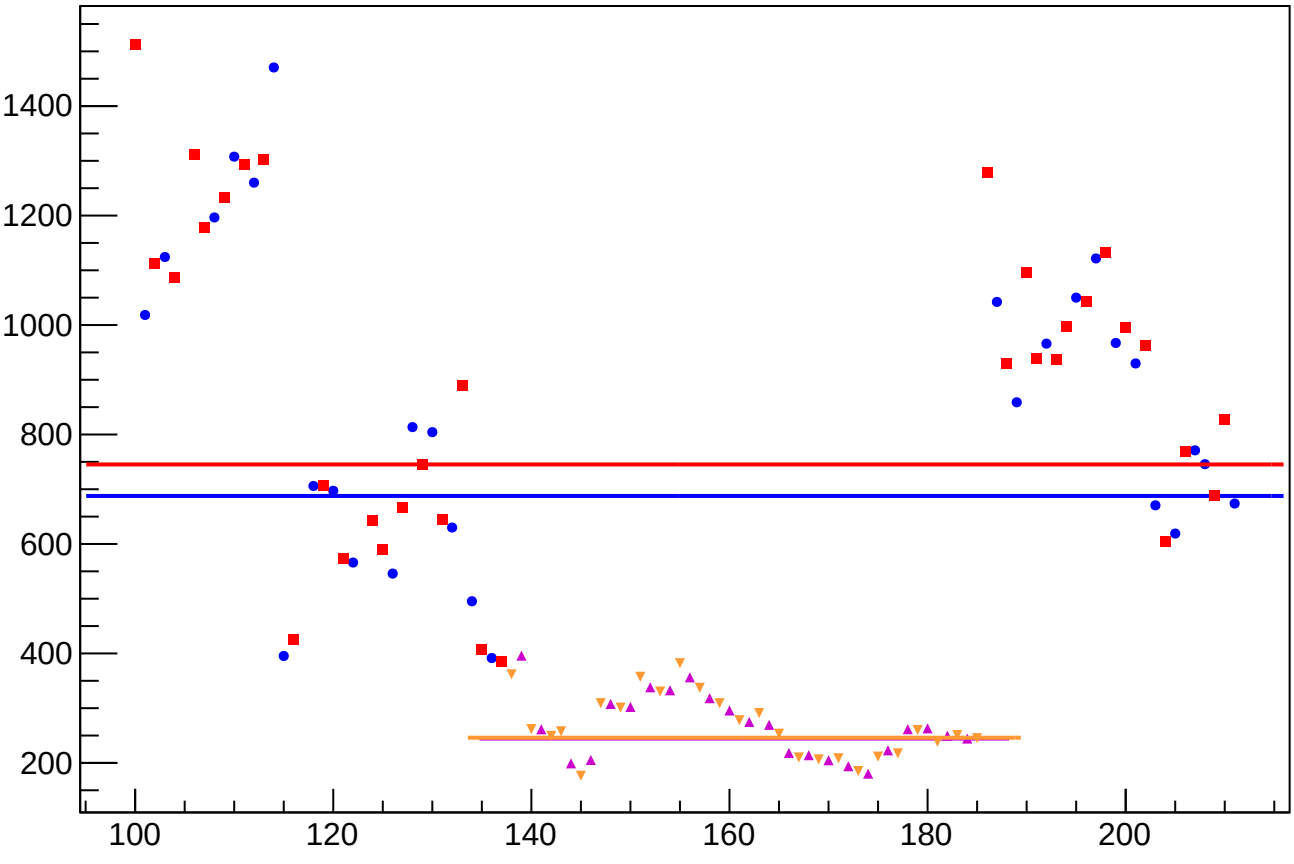
Right Out: -509.075+/-185.260 χ^2/NDF: 29.2/32

Left In: -44.552+/-58.614 χ^2/NDF:26.5/22

+ sign -303.845+/-54.542 χ^2/NDF: 94.3/52

All: -197.970+/-39.033 χ^2/NDF: 163.4/108

- sign -86.821+/-55.884 χ^2/NDF: 61.4/55



Right In: 687.740+/-0.126 χ^2/NDF: 3340355.9/27

Left Out: 246.016+/-0.040 χ^2/NDF:1680566.1/24

Right Out: 745.302+/-0.131 χ^2/NDF: 3643083.0/32

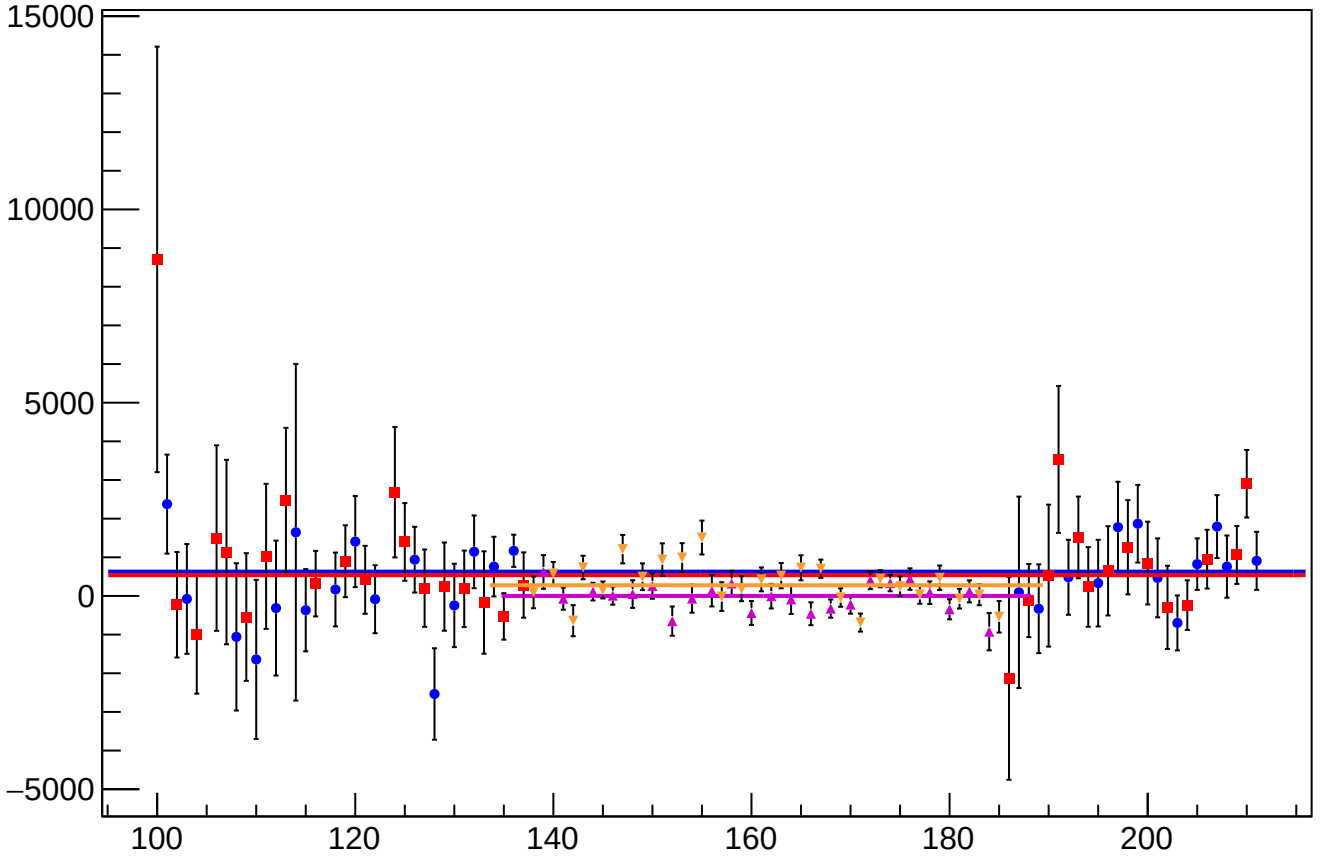
Left In: 244.450+/-0.041 χ^2/NDF:1596977.8/22

+ sign 287.155+/-0.039 χ^2/NDF: 16100246.7/52

All: 288.554+/-0.028 χ^2/NDF: 34630842.4/10

- sign 290.024+/-0.040 χ^2/NDF: 18527895.1/55

asym_sam_1526_avg_mean vs Slug



Right In: 628.920+/-176.710 χ^2/NDF: 25.7/27

Left Out: 277.077+/-59.149 χ^2/NDF:64.1/24

Right Out: 536.746+/-185.453 χ^2/NDF: 27.3/32

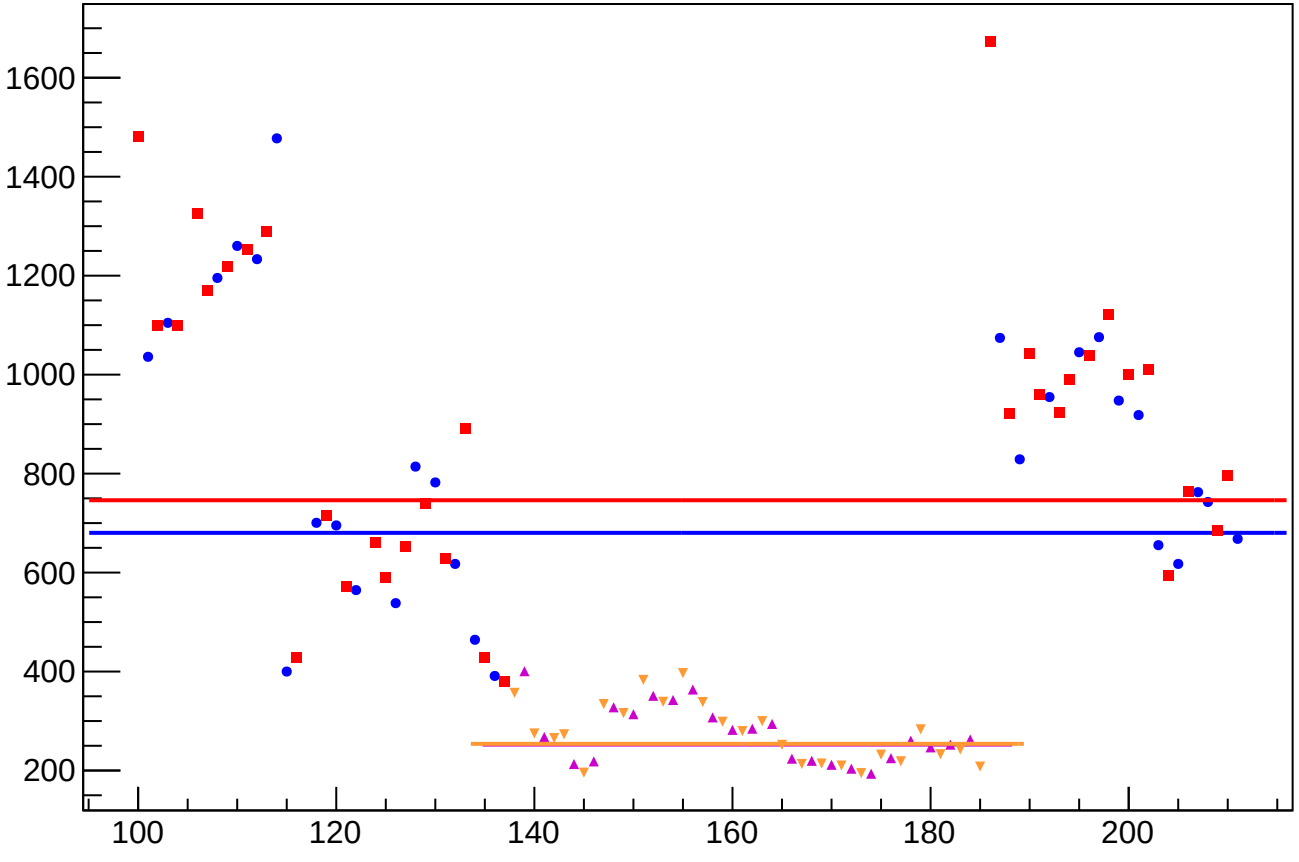
Left In: 0.556+/-60.356 χ^2/NDF:28.1/22

+ sign 312.526+/-56.090 χ^2/NDF: 93.4/52

All: 185.210+/-40.114 χ^2/NDF: 166.9/108

- sign 51.909+/-57.393 χ^2/NDF: 63.0/55

asym_sam_1526_avg_rms vs Slug



Right In: 680.308+/-0.125 χ^2/NDF: 3295389.8/27

Left Out: 253.953+/-0.042 χ^2/NDF:1590761.5/24

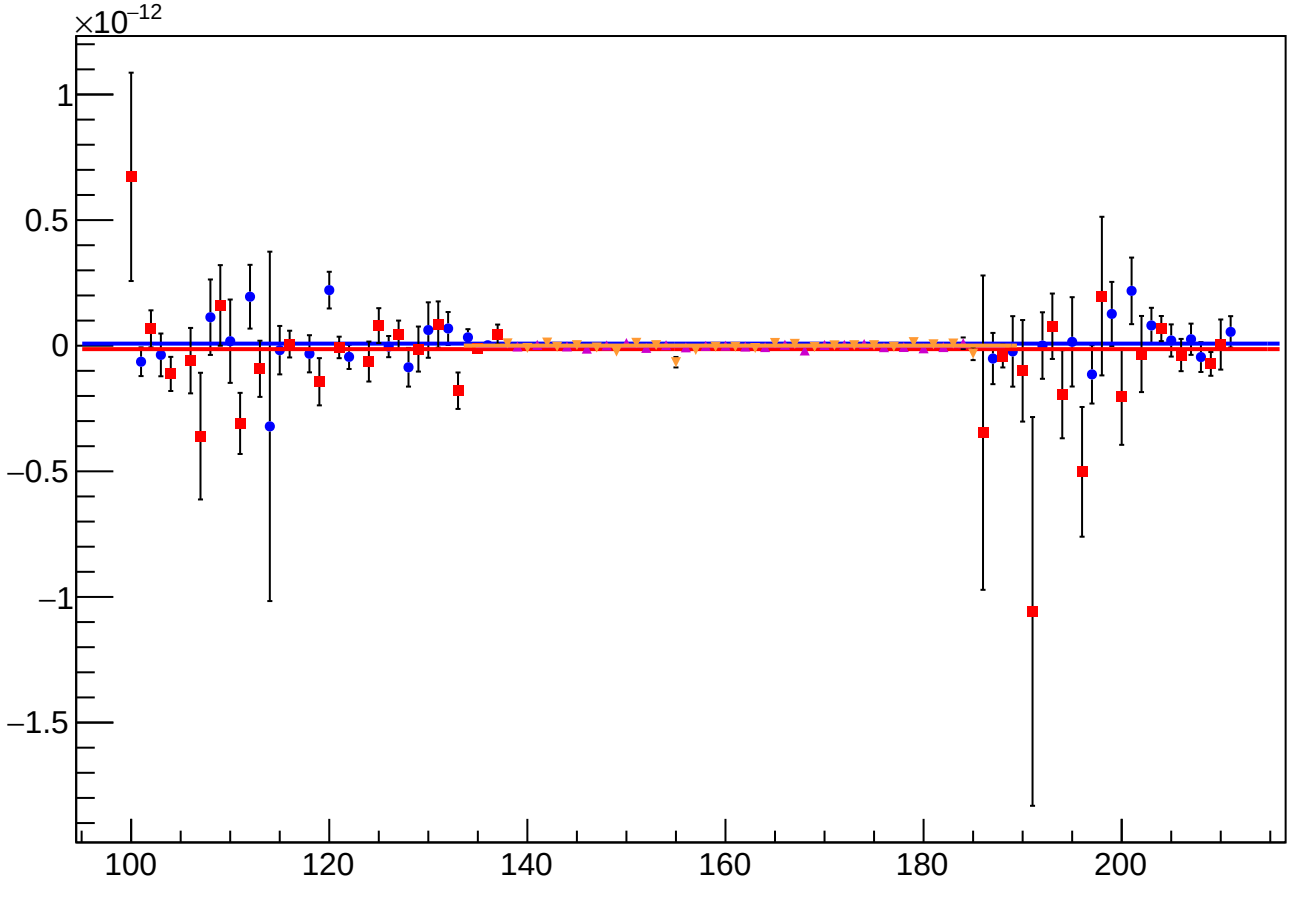
Right Out: 746.196+/-0.131 χ^2/NDF: 3600358.0/32

Left In: 252.390+/-0.043 χ^2/NDF:1412169.8/22

+ sign 296.909+/-0.040 χ^2/NDF: 15355759.9/52

All: 298.265+/-0.028 χ^2/NDF: 33192589.7/10

- sign 299.684+/-0.041 χ^2/NDF: 17834437.3/55



Right In: 0.000+/-0.000 χ^2/NDF: 25.7/27

Left Out: 0.000+/-0.000 χ^2/NDF:26.9/24

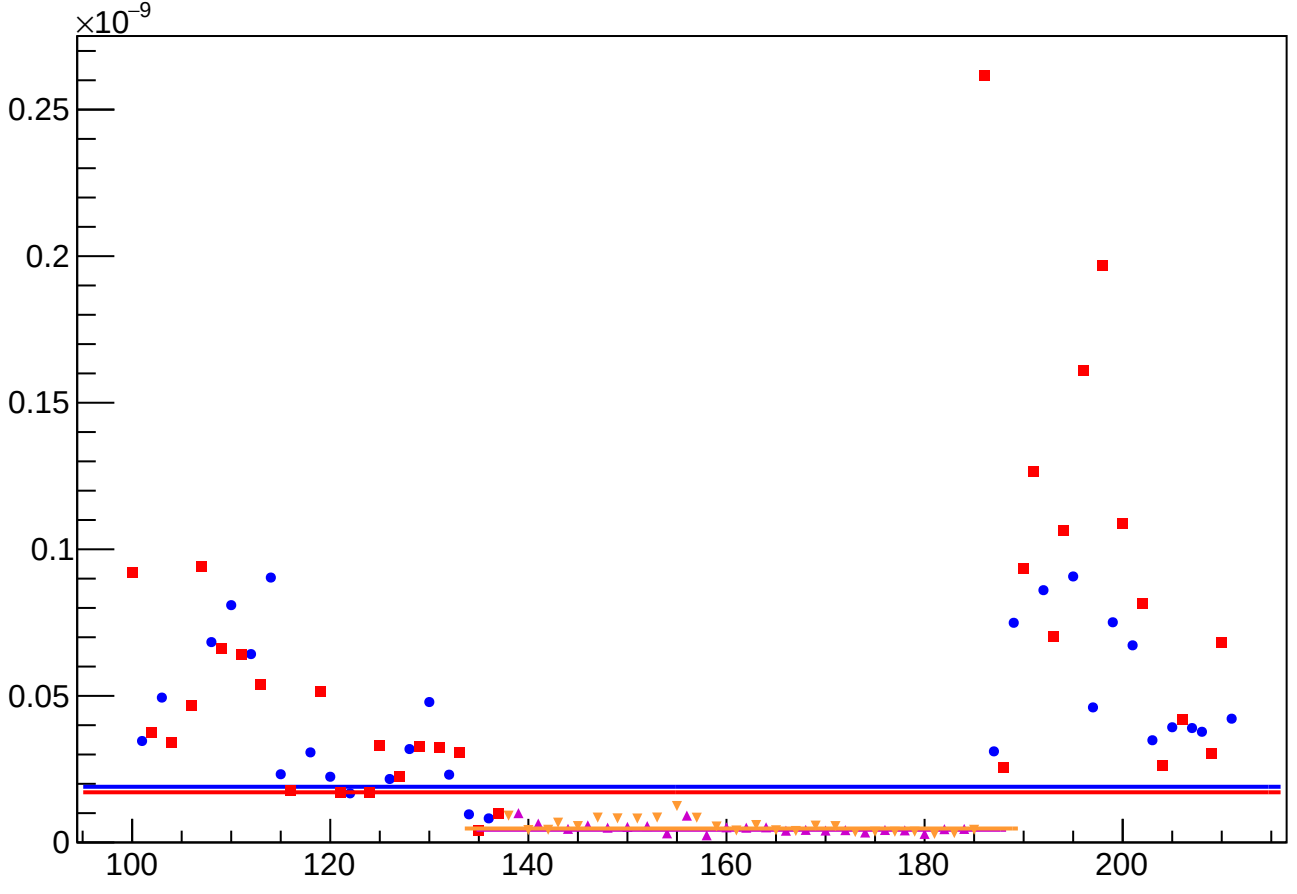
Right Out: -0.000+/-0.000 χ^2/NDF: 43.2/32

Left In: -0.000+/-0.000 χ^2/NDF:14.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 53.3/52

All: -0.000+/-0.000 χ^2/NDF: 113.1/108

- sign -0.000+/-0.000 χ^2/NDF: 58.6/55



Right In: 0.000+/-0.000 χ^2/NDF: 5833537.3/27

Left Out: 0.000+/-0.000 χ^2/NDF:1613401.1/24

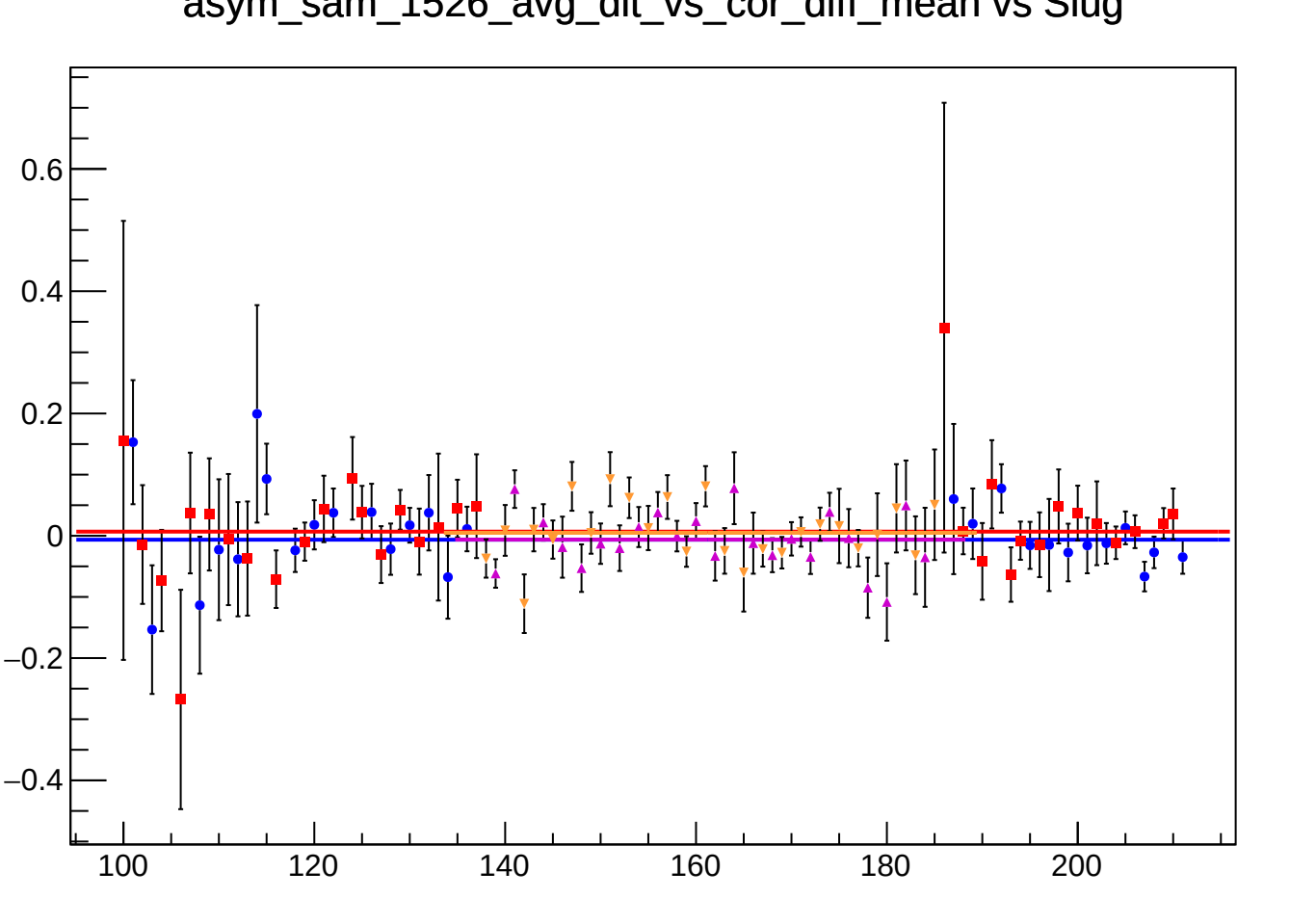
Right Out: 0.000+/-0.000 χ^2/NDF: 8578277.2/32

Left In: 0.000+/-0.000 χ^2/NDF:983290.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 11619989.3/52

All: 0.000+/-0.000 χ^2/NDF: 24691310.6/108

- sign 0.000+/-0.000 χ^2/NDF: 12995629.1/55



Right In: -0.006+/-0.008 χ^2/NDF: 28.7/27

Left Out: 0.005+/-0.007 χ^2/NDF:34.0/24

Right Out: 0.007+/-0.008 χ^2/NDF: 20.1/32

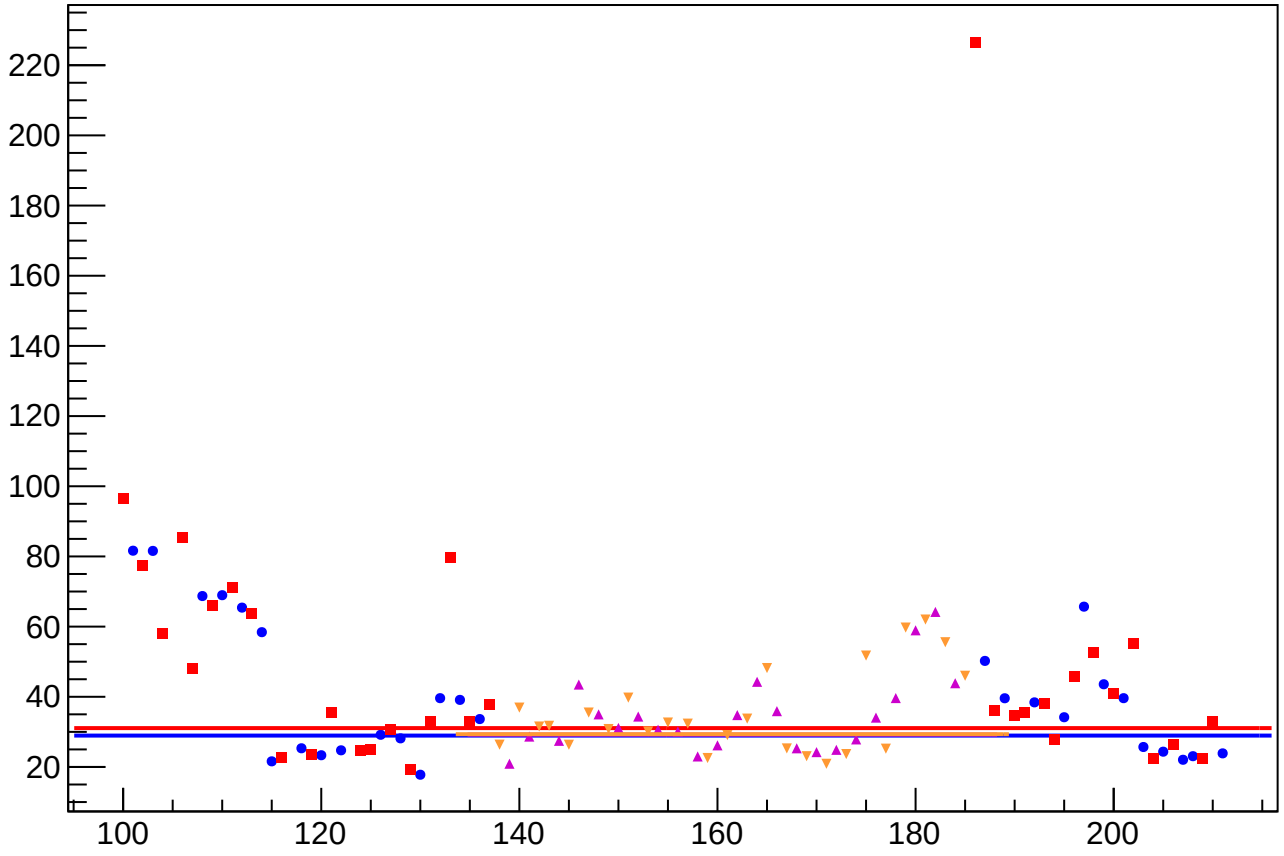
Left In: -0.006+/-0.007 χ^2/NDF:31.0/22

+ sign -0.000+/-0.005 χ^2/NDF: 63.8/52

All: -0.000+/-0.004 χ^2/NDF: 116.3/108

- sign -0.001+/-0.005 χ^2/NDF: 52.5/55

asym_sam_1526_avg_dit_vs_cor_diff_rms vs Slug



Right In: 28.944+/-0.006 χ^2/NDF: 3924876.9/27

Left Out: 29.338+/-0.005 χ^2/NDF:2687159.2/24

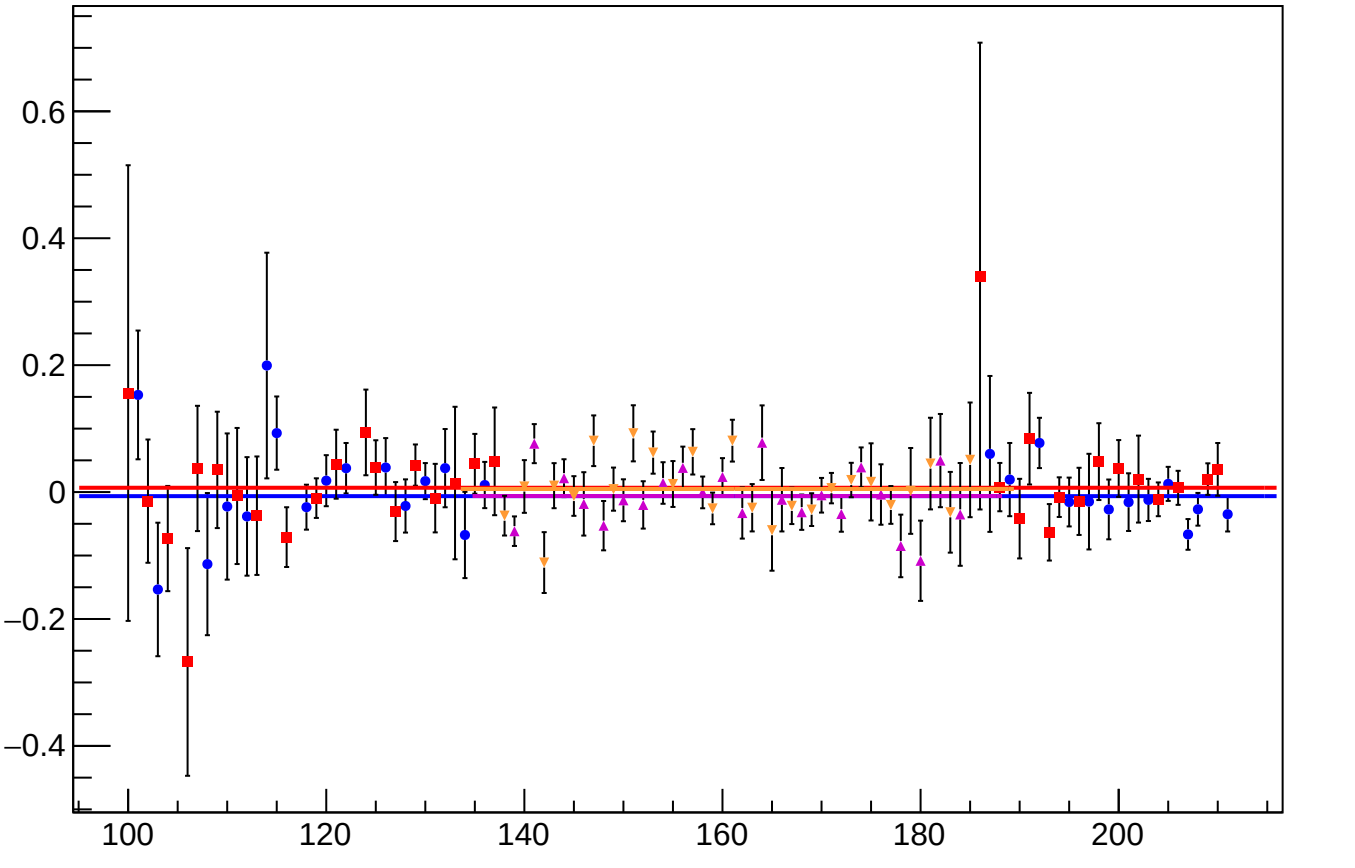
Right Out: 31.075+/-0.006 χ^2/NDF: 4619624.7/32

Left In: 29.226+/-0.005 χ^2/NDF:2097657.8/22

+ sign 29.162+/-0.004 χ^2/NDF: 6614778.8/52

All: 29.585+/-0.003 χ^2/NDF: 13415108.6/108

- sign 30.034+/-0.004 χ^2/NDF: 6773913.5/55



Right In: -0.006+/-0.008 χ^2/NDF: 28.7/27

Left Out: 0.005+/-0.007 χ^2/NDF:34.0/24

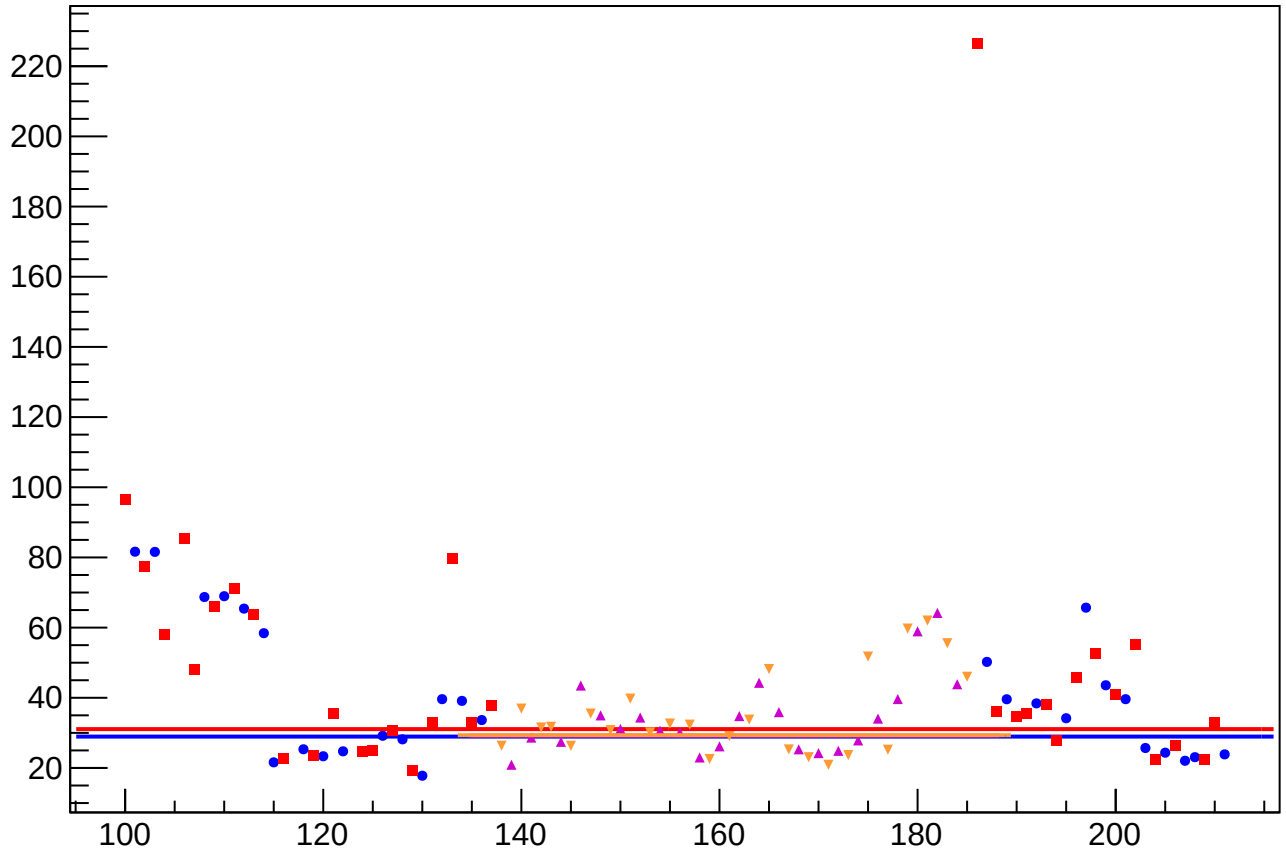
Right Out: 0.007+/-0.008 χ^2/NDF: 20.1/32

Left In: -0.006+/-0.007 χ^2/NDF:31.0/22

+ sign -0.000+/-0.005 χ^2/NDF: 63.8/52

All: -0.000+/-0.004 χ^2/NDF: 116.3/108

- sign -0.001+/-0.005 χ^2/NDF: 52.5/55



Right In: 28.944+/-0.006 χ^2/NDF: 3924876.9/27

Left Out: 29.338+/-0.005 χ^2/NDF:2687159.2/24

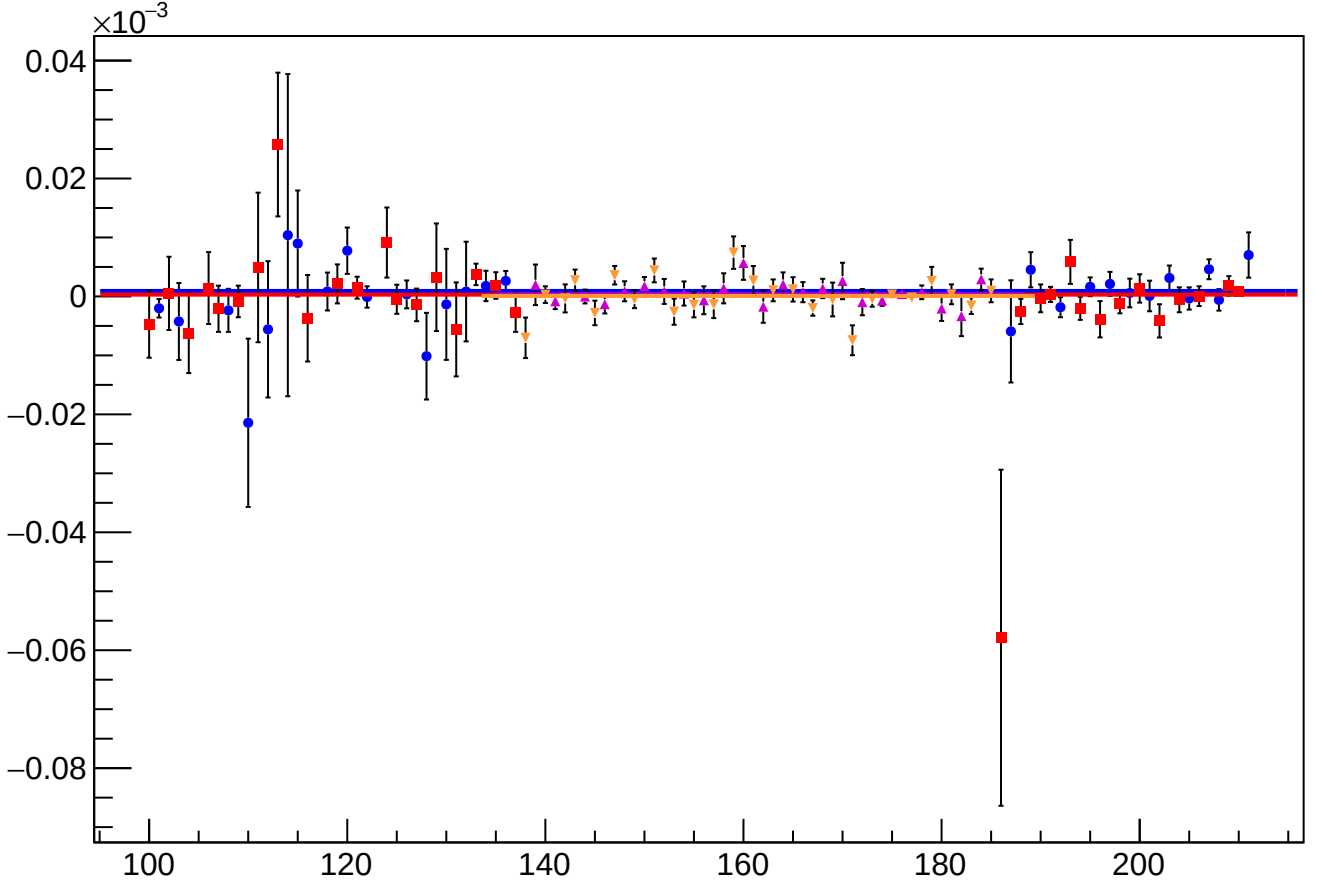
Right Out: 31.075+/-0.006 χ^2/NDF: 4619624.7/32

Left In: 29.226+/-0.005 χ^2/NDF:2097657.8/22

+ sign 29.162+/-0.004 χ^2/NDF: 6614778.8/52

All: 29.585+/-0.003 χ^2/NDF: 13415108.6/108

- sign 30.034+/-0.004 χ^2/NDF: 6773913.5/55



Right In: 0.000+/-0.000 χ^2/NDF: 30.4/27

Left Out: 0.000+/-0.000 χ^2/NDF:43.7/24

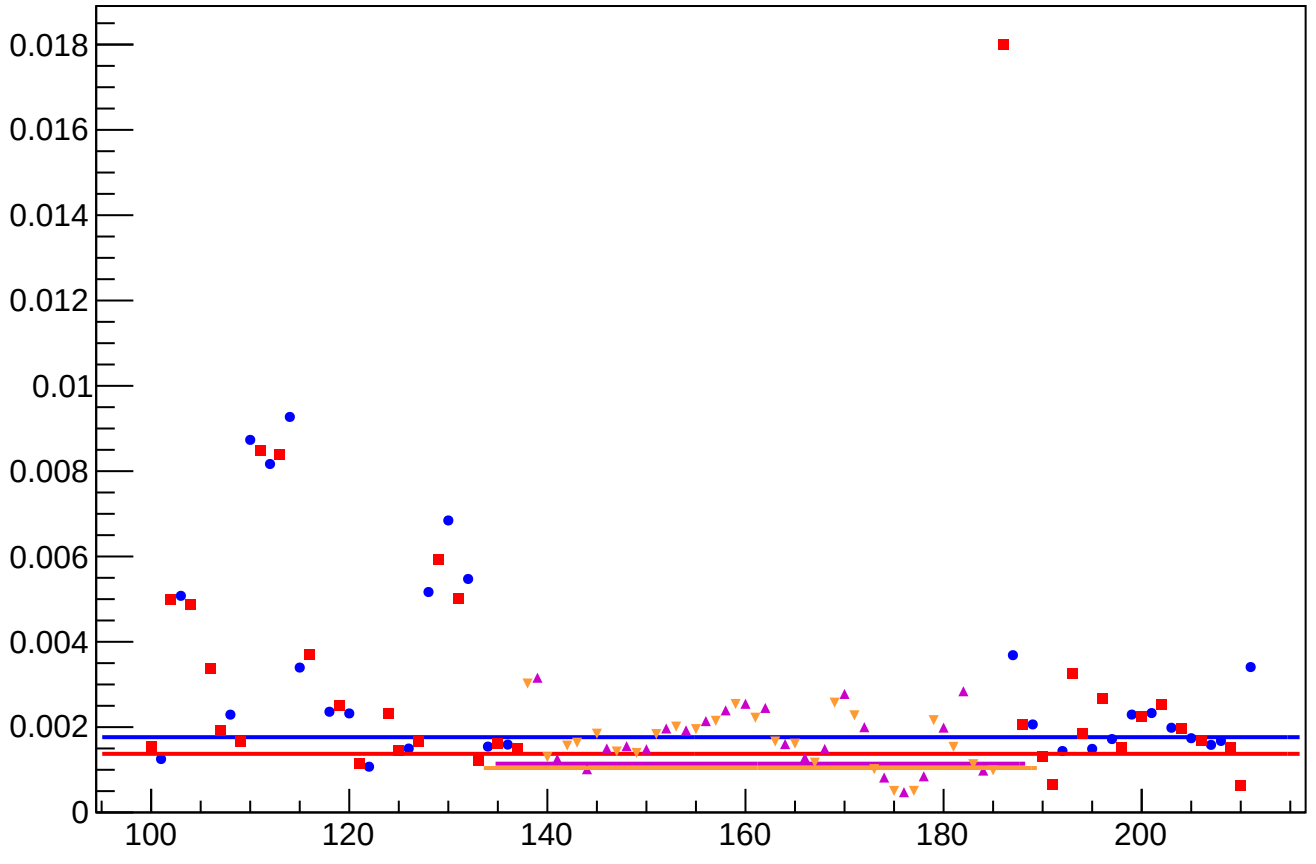
Right Out: 0.000+/-0.000 χ^2/NDF: 32.6/32

Left In: 0.000+/-0.000 χ^2/NDF:15.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 76.5/52

All: 0.000+/-0.000 χ^2/NDF: 124.5/108

- sign 0.000+/-0.000 χ^2/NDF: 48.0/55



Right In: 0.002+/-0.000 χ^2/NDF: 4794464.8/27

Left Out: 0.001+/-0.000 χ^2/NDF:9825407.0/24

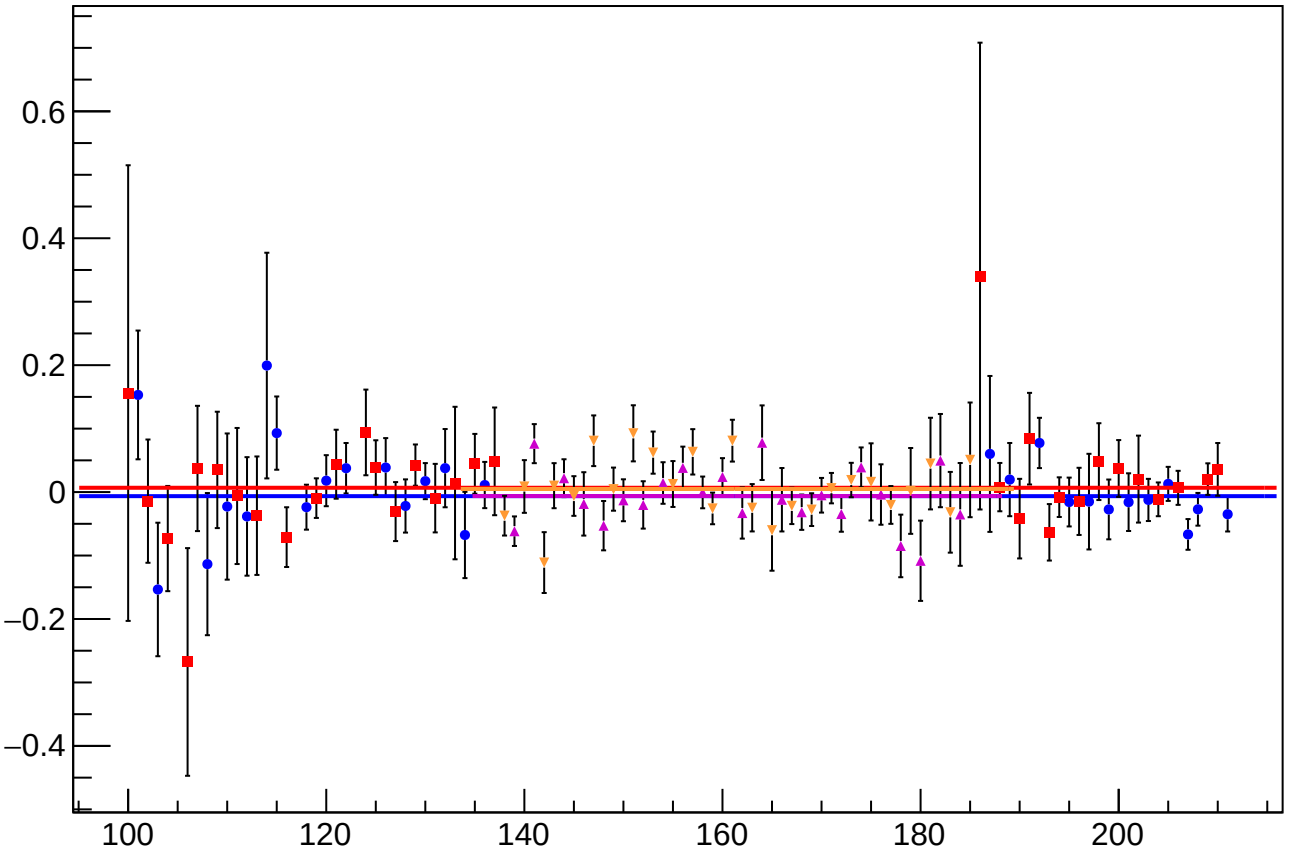
Right Out: 0.001+/-0.000 χ^2/NDF: 9784072.4/32

Left In: 0.001+/-0.000 χ^2/NDF:8291862.8/22

+ sign 0.001+/-0.000 χ^2/NDF: 18031727.1/52

All: 0.001+/-0.000 χ^2/NDF: 36541671.5/108

- sign 0.001+/-0.000 χ^2/NDF: 18508536.5/55



Right In: -0.006+/-0.008 χ^2/NDF: 28.7/27

Left Out: 0.005+/-0.007 χ^2/NDF:34.0/24

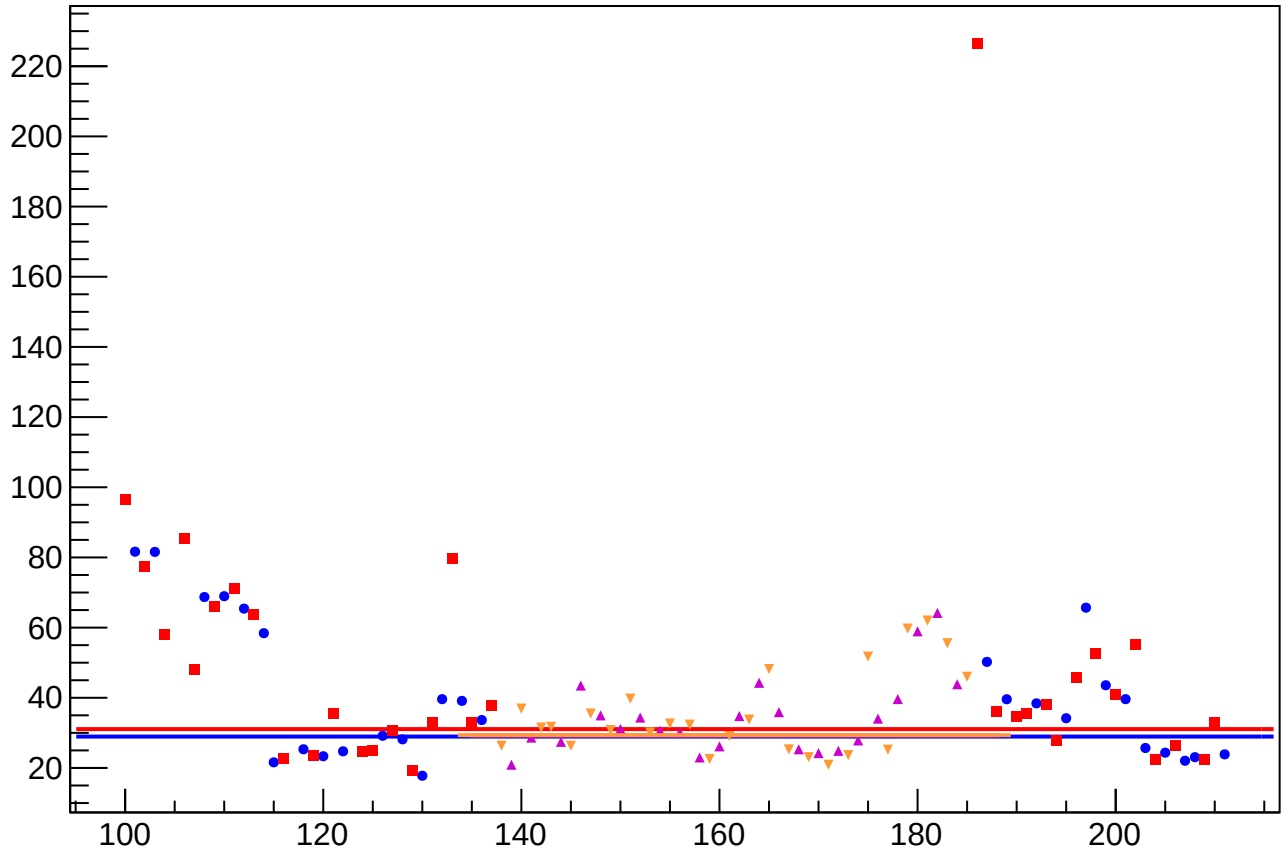
Right Out: 0.007+/-0.008 χ^2/NDF: 20.1/32

Left In: -0.006+/-0.007 χ^2/NDF:31.0/22

+ sign -0.000+/-0.005 χ^2/NDF: 63.8/52

All: -0.000+/-0.004 χ^2/NDF: 116.3/108

- sign -0.001+/-0.005 χ^2/NDF: 52.5/55



Right In: 28.943+/-0.006 χ^2/NDF: 3925096.6/27

Left Out: 29.338+/-0.005 χ^2/NDF:2687200.3/24

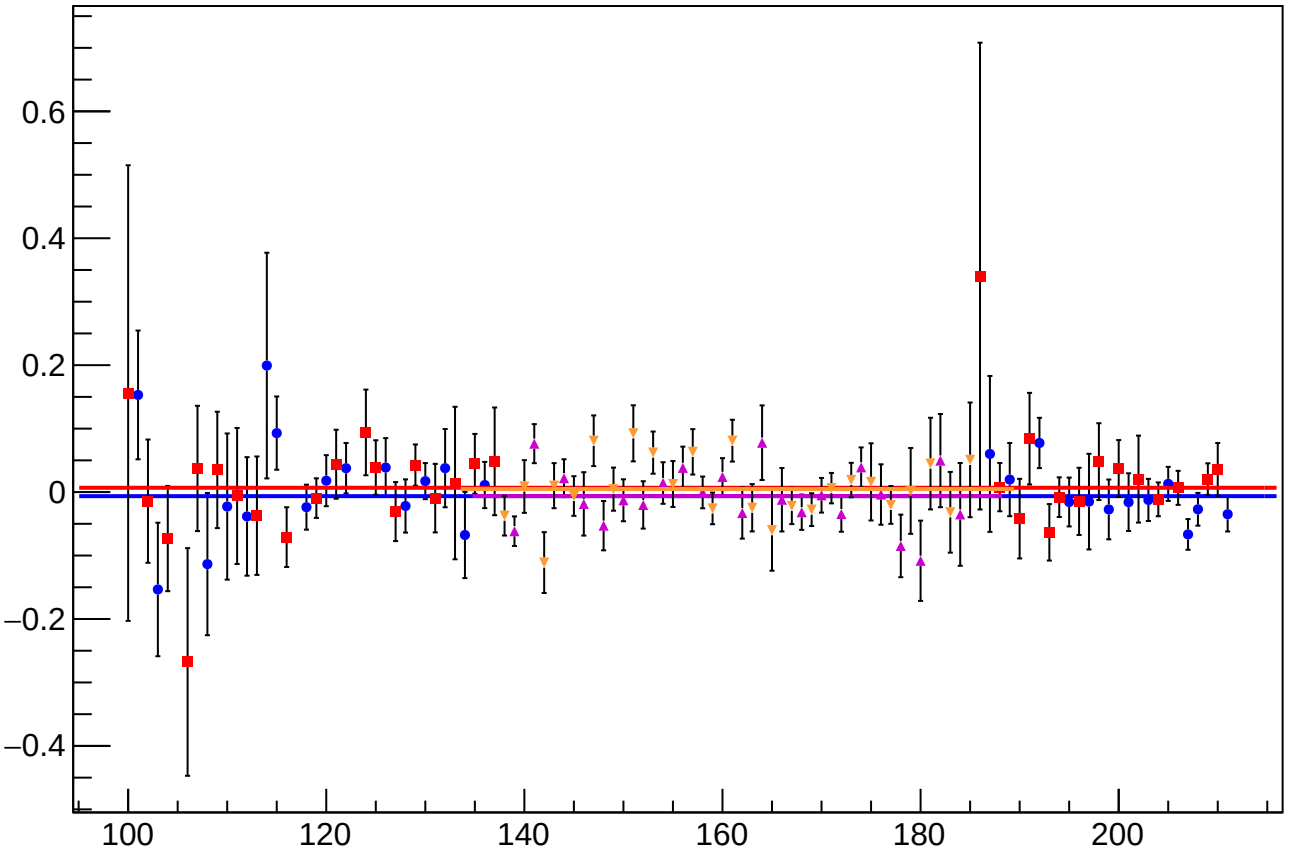
Right Out: 31.074+/-0.006 χ^2/NDF: 4619746.2/32

Left In: 29.227+/-0.005 χ^2/NDF:2097621.4/22

+ sign 29.161+/-0.004 χ^2/NDF: 6615050.4/52

All: 29.585+/-0.003 χ^2/NDF: 13415435.9/108

- sign 30.034+/-0.004 χ^2/NDF: 6773953.5/55



Right In: -0.006+/-0.008 χ^2/NDF: 28.7/27

Left Out: 0.005+/-0.007 χ^2/NDF:34.0/24

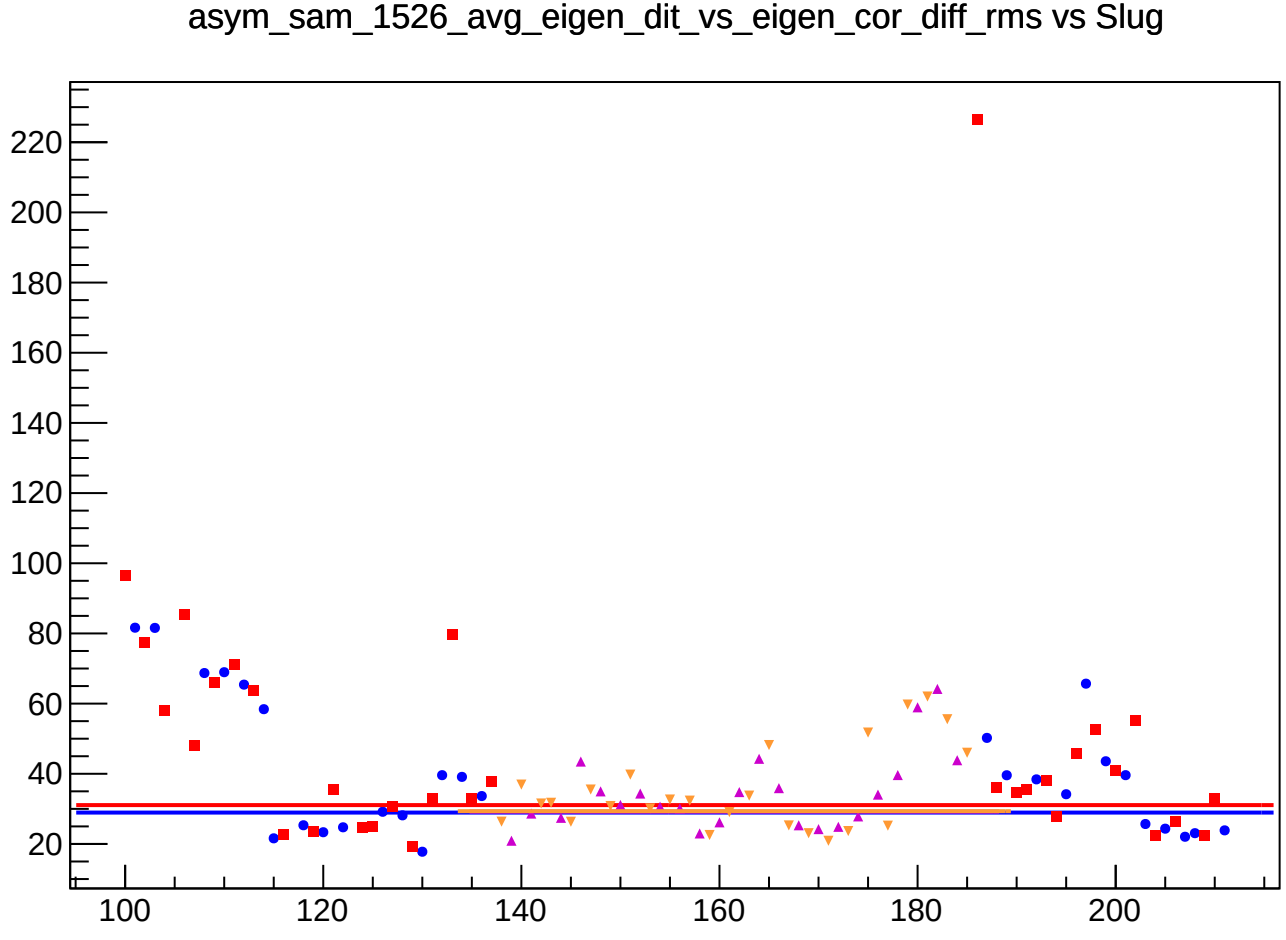
Right Out: 0.007+/-0.008 χ^2/NDF: 20.1/32

Left In: -0.006+/-0.007 χ^2/NDF:31.0/22

+ sign -0.000+/-0.005 χ^2/NDF: 63.8/52

All: -0.000+/-0.004 χ^2/NDF: 116.3/108

- sign -0.001+/-0.005 χ^2/NDF: 52.5/55



Right In: 28.943+/-0.006 χ^2/NDF: 3925096.6/27

Left Out: 29.338+/-0.005 χ^2/NDF:2687200.3/24

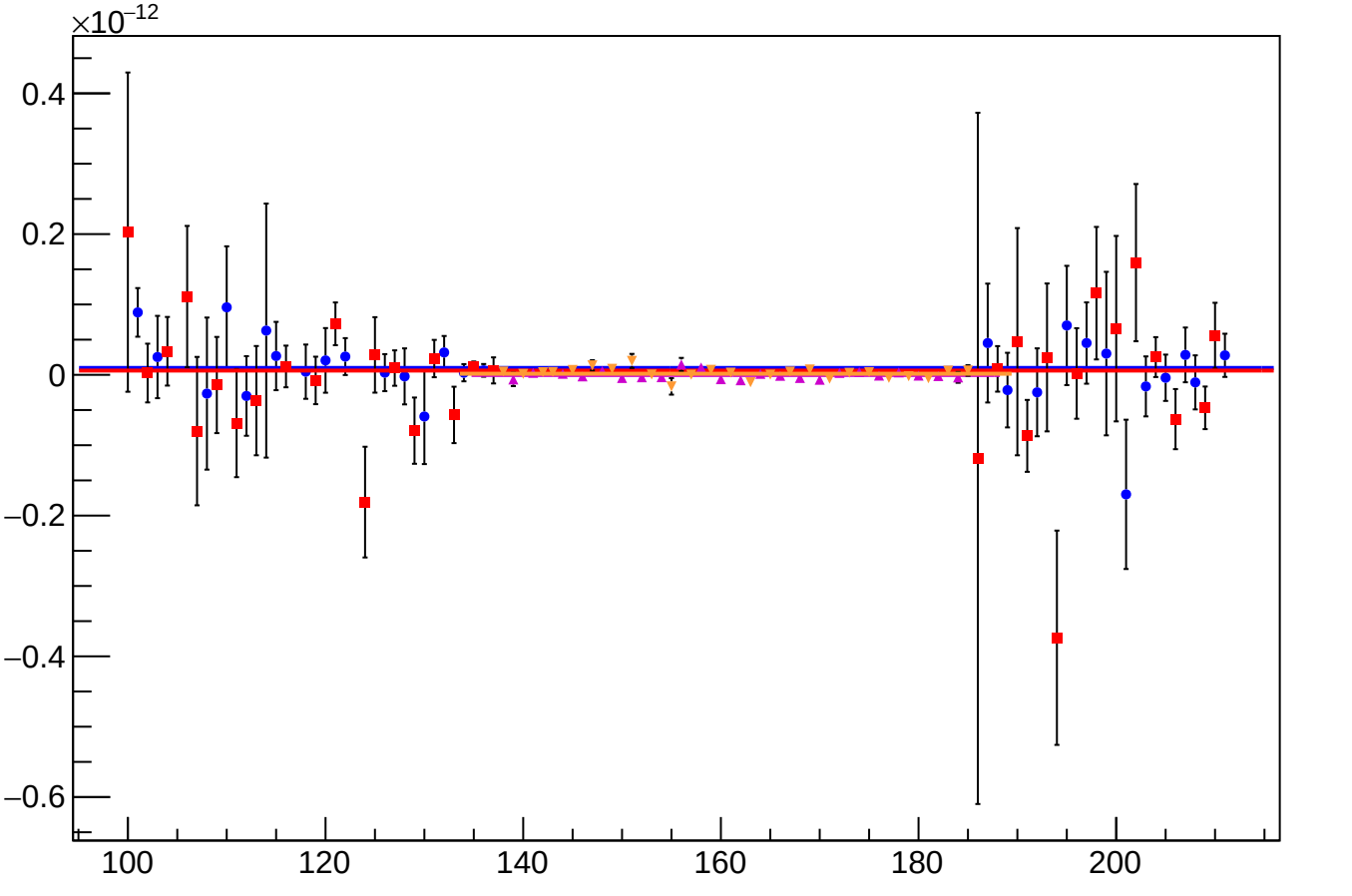
Right Out: 31.074+/-0.006 χ^2/NDF: 4619746.2/32

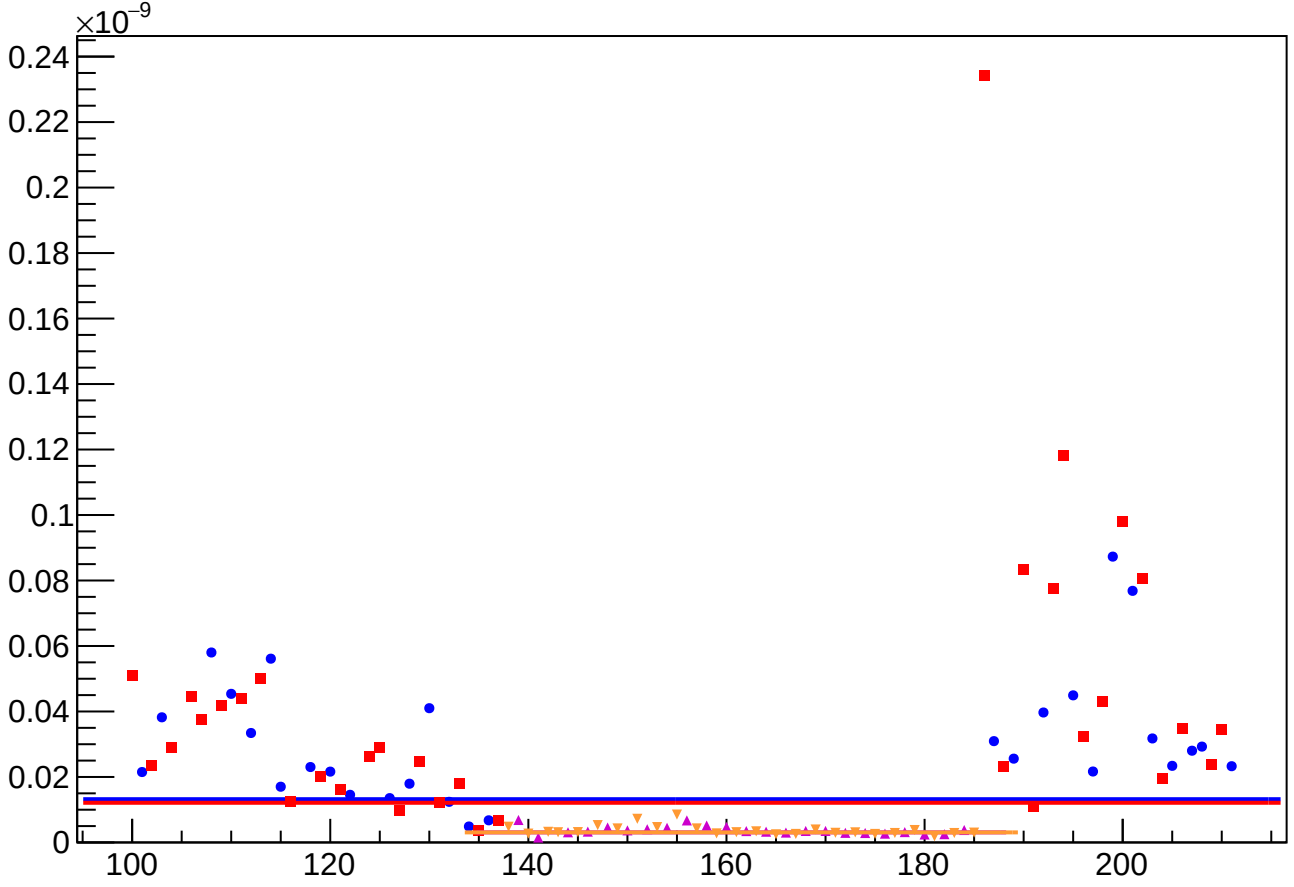
Left In: 29.227+/-0.005 χ^2/NDF:2097621.4/22

+ sign 29.161+/-0.004 χ^2/NDF: 6615050.4/52

All: 29.585+/-0.003 χ^2/NDF: 13415435.9/108

- sign 30.034+/-0.004 χ^2/NDF: 6773953.5/55


asym_sam_1526_avg_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
0.4
0.2
0
−0.2
−0.4
−0.6
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 16.1/27
Left Out: 0.000+/-0.000 χ²/NDF:35.0/24
Right Out: 0.000+/-0.000 χ²/NDF: 42.0/32
Left In: -0.000+/-0.000 χ²/NDF:18.6/22
+ sign 0.000+/-0.000 χ²/NDF: 53.3/52
All: 0.000+/-0.000 χ²/NDF: 117.1/108
- sign -0.000+/-0.000 χ²/NDF: 61.9/55



Right In: 0.000+/-0.000 χ^2/NDF: 7841475.1/27

Left Out: 0.000+/-0.000 χ^2/NDF:2024861.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 11311572.3/32

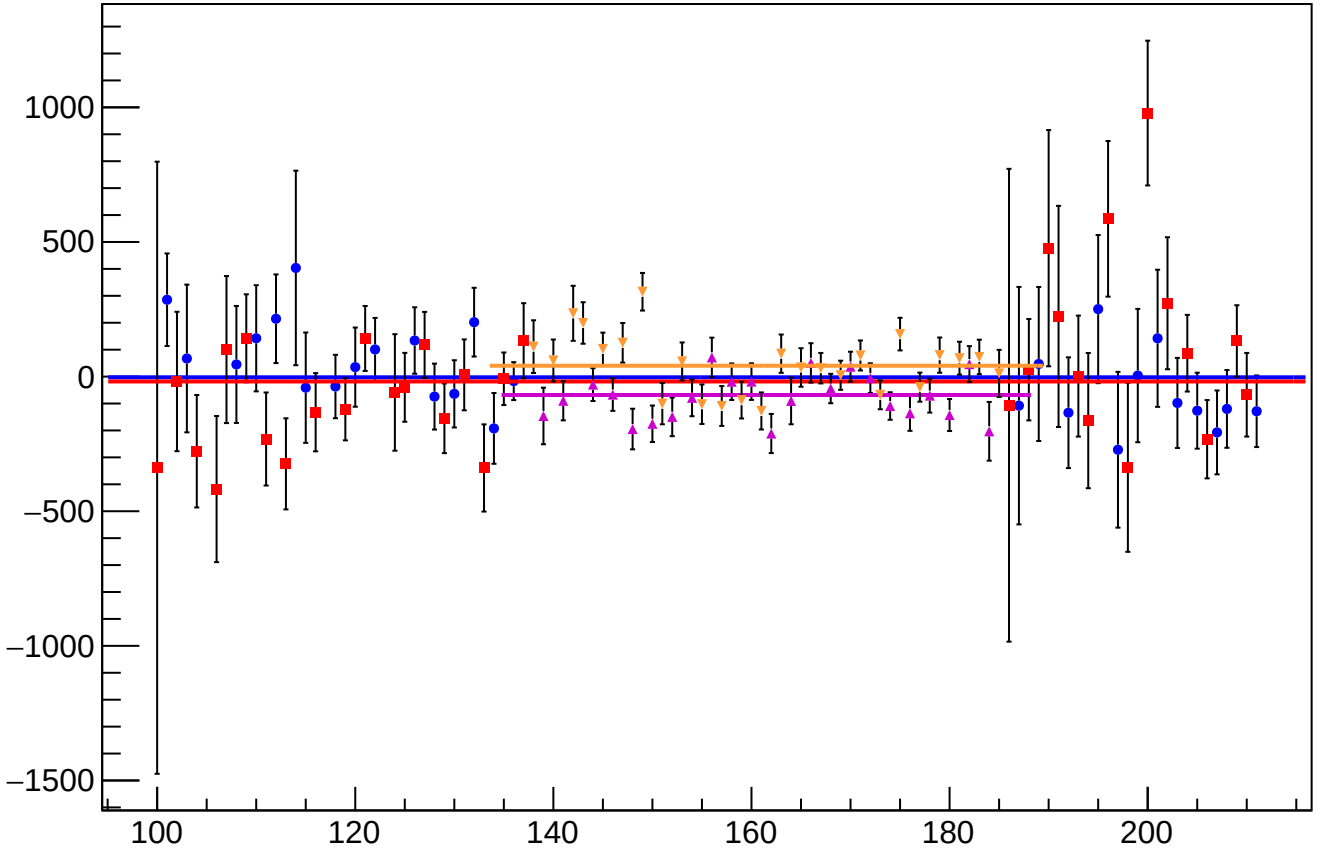
Left In: 0.000+/-0.000 χ^2/NDF:2149738.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 16471429.6/52

All: 0.000+/-0.000 χ^2/NDF: 35301949.6/108

- sign 0.000+/-0.000 χ^2/NDF: 18830478.2/55

reg_asym_sam_3726_avg_mean vs Slug



Right In: -2.614+/-28.858 χ^2/NDF: 20.9/27

Left Out: 40.342+/-13.402 χ^2/NDF:59.4/24

Right Out: -18.107+/-29.527 χ^2/NDF: 47.2/32

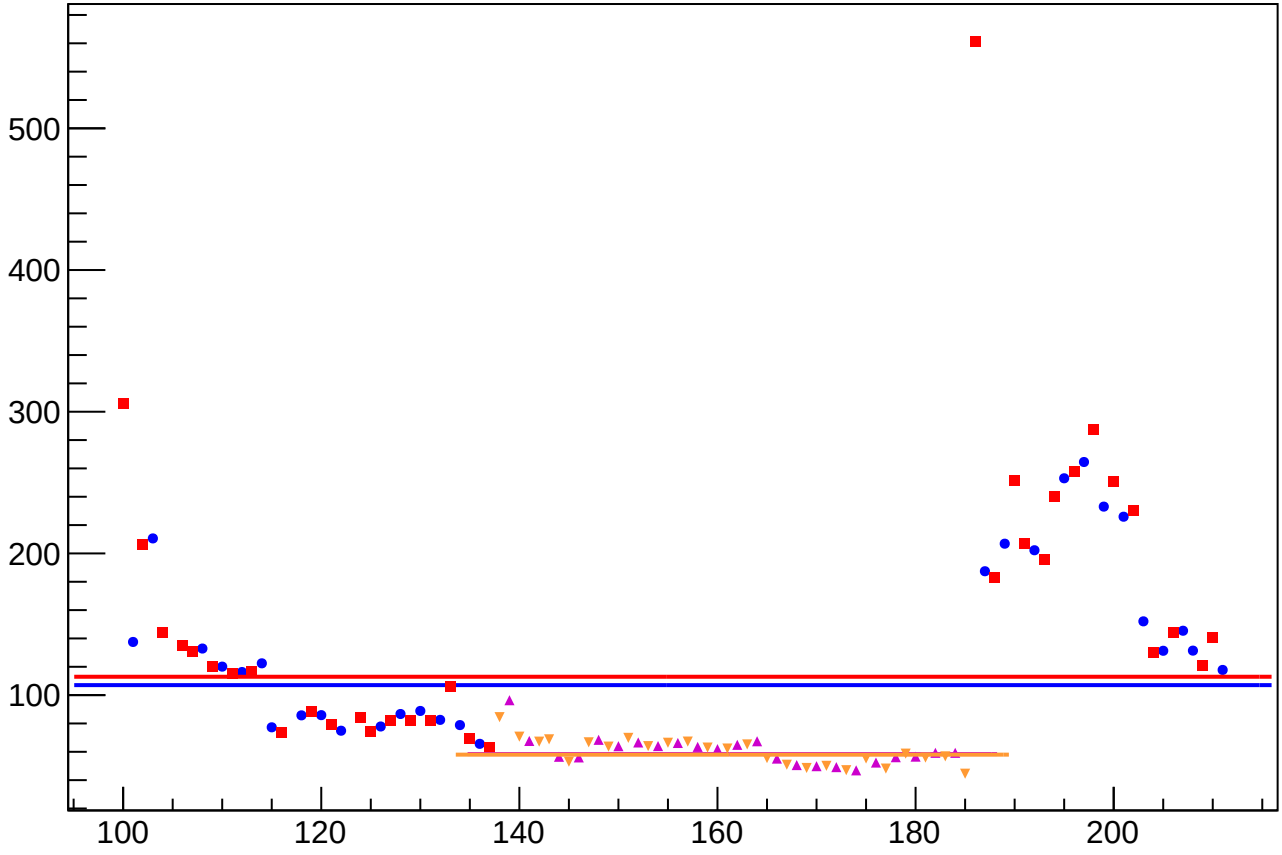
Left In: -68.344+/-13.866 χ^2/NDF:31.8/22

+ sign 32.721+/-12.155 χ^2/NDF: 82.1/52

All: -11.799+/-8.732 χ^2/NDF: 191.1/108

- sign -59.267+/-12.551 χ^2/NDF: 81.3/55

reg_asym_sam_3726_avg_rms vs Slug



Right In: 107.058+/-0.020 χ^2/NDF: 5005933.5/27

Left Out: 57.996+/-0.009 χ^2/NDF:807648.8/24

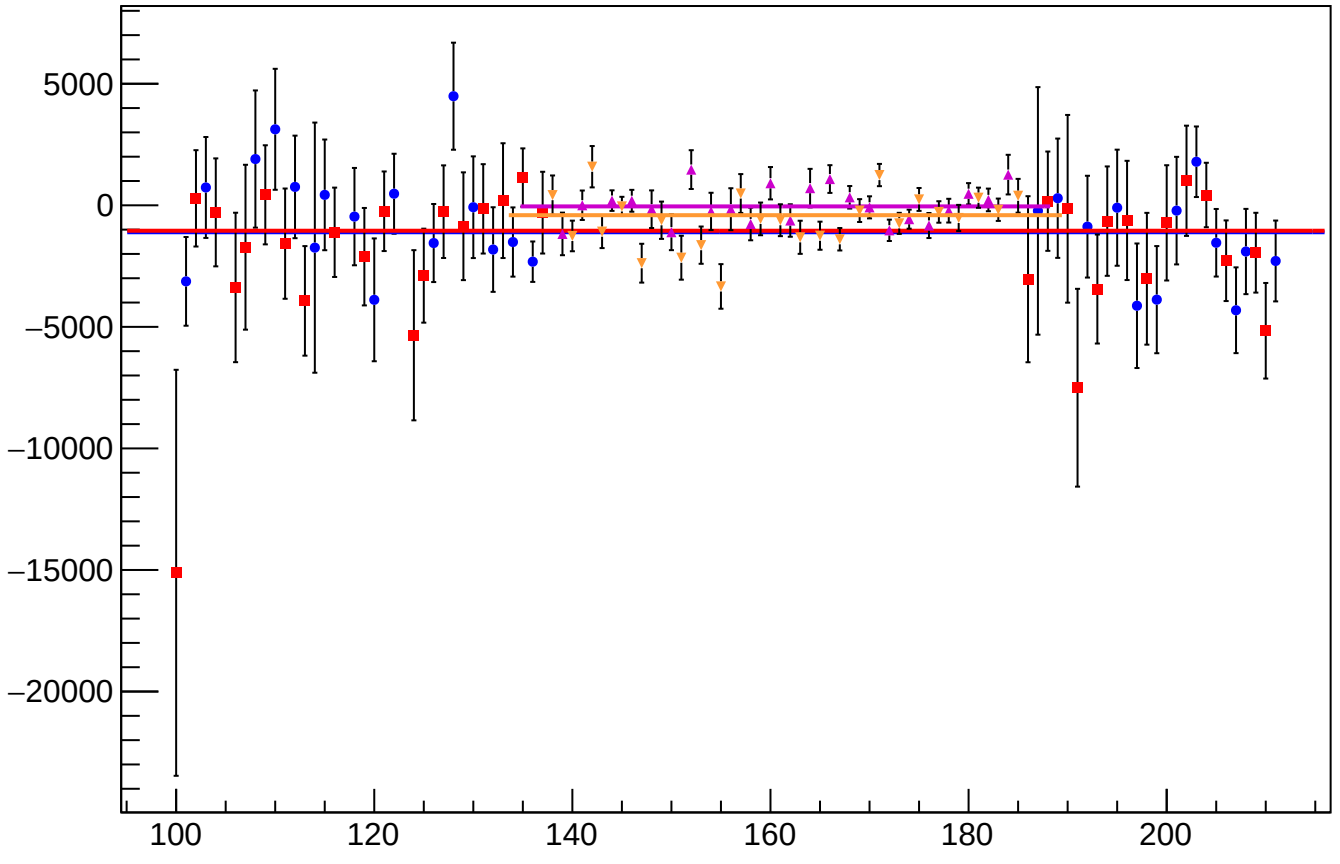
Right Out: 112.965+/-0.021 χ^2/NDF: 6187148.2/32

Left In: 58.397+/-0.010 χ^2/NDF:735208.2/22

+ sign 66.700+/-0.009 χ^2/NDF: 10568945.4/52

All: 67.453+/-0.006 χ^2/NDF: 23103688.5/108

- sign 68.256+/-0.009 χ^2/NDF: 12518870.6/55



Right In: -1108.102+/-346.776 χ^2/NDF: 30.5/27

Left Out: -406.322+/-113.468 χ^2/NDF:63.2/24

Right Out: -1045.588+/-361.454 χ^2/NDF: 25.7/32

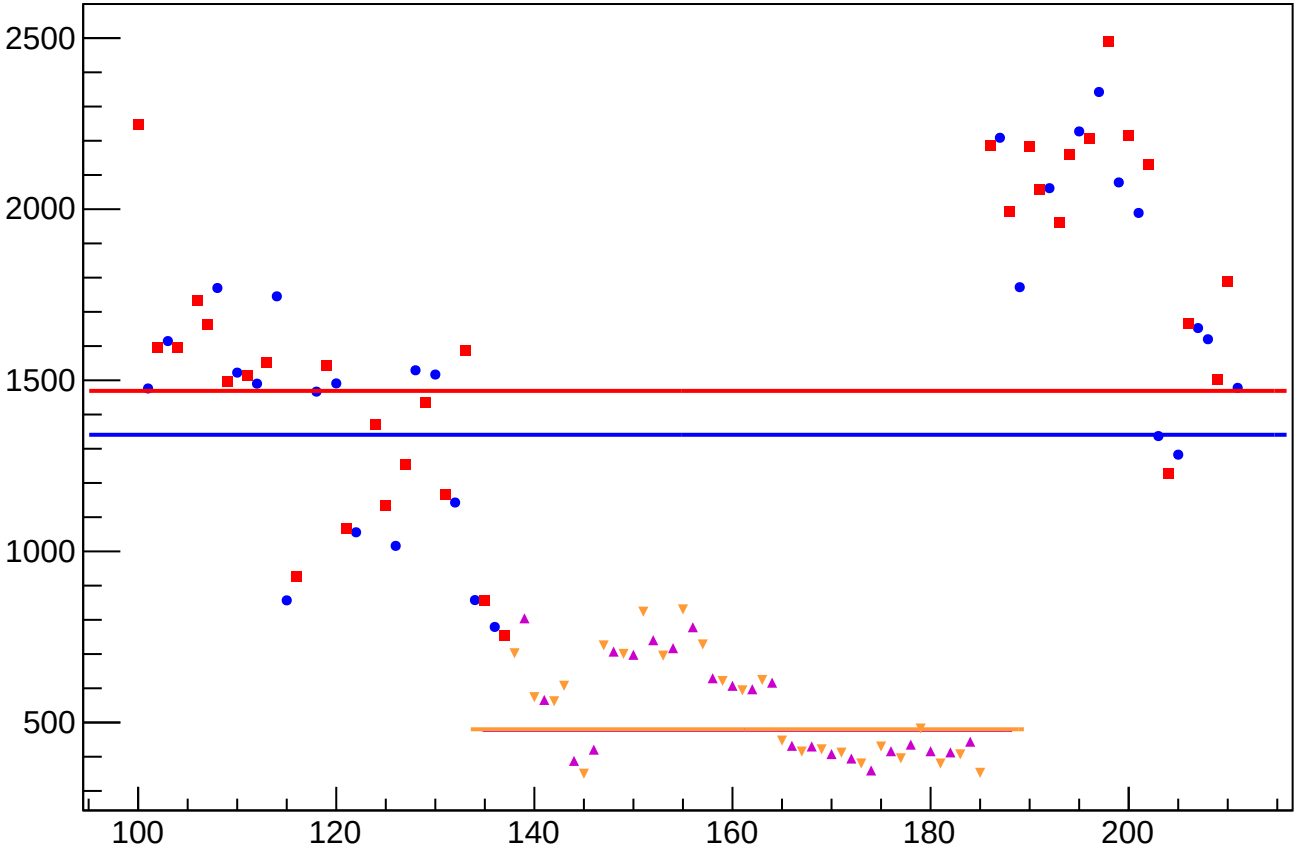
Left In: -44.831+/-115.765 χ^2/NDF:31.1/22

+ sign -474.191+/-107.841 χ^2/NDF: 97.4/52

All: -309.774+/-77.092 χ^2/NDF: 165.9/108

- sign -137.935+/-110.249 χ^2/NDF: 63.7/55

asym_sam_3726_avg_reg_correction_rms vs Slug



Right In: 1340.814+/-0.245 χ^2/NDF: 3034166.0/27

Left Out: 480.162+/-0.080 χ^2/NDF:2582213.9/24

Right Out: 1469.083+/-0.256 χ^2/NDF: 2979761.6/32

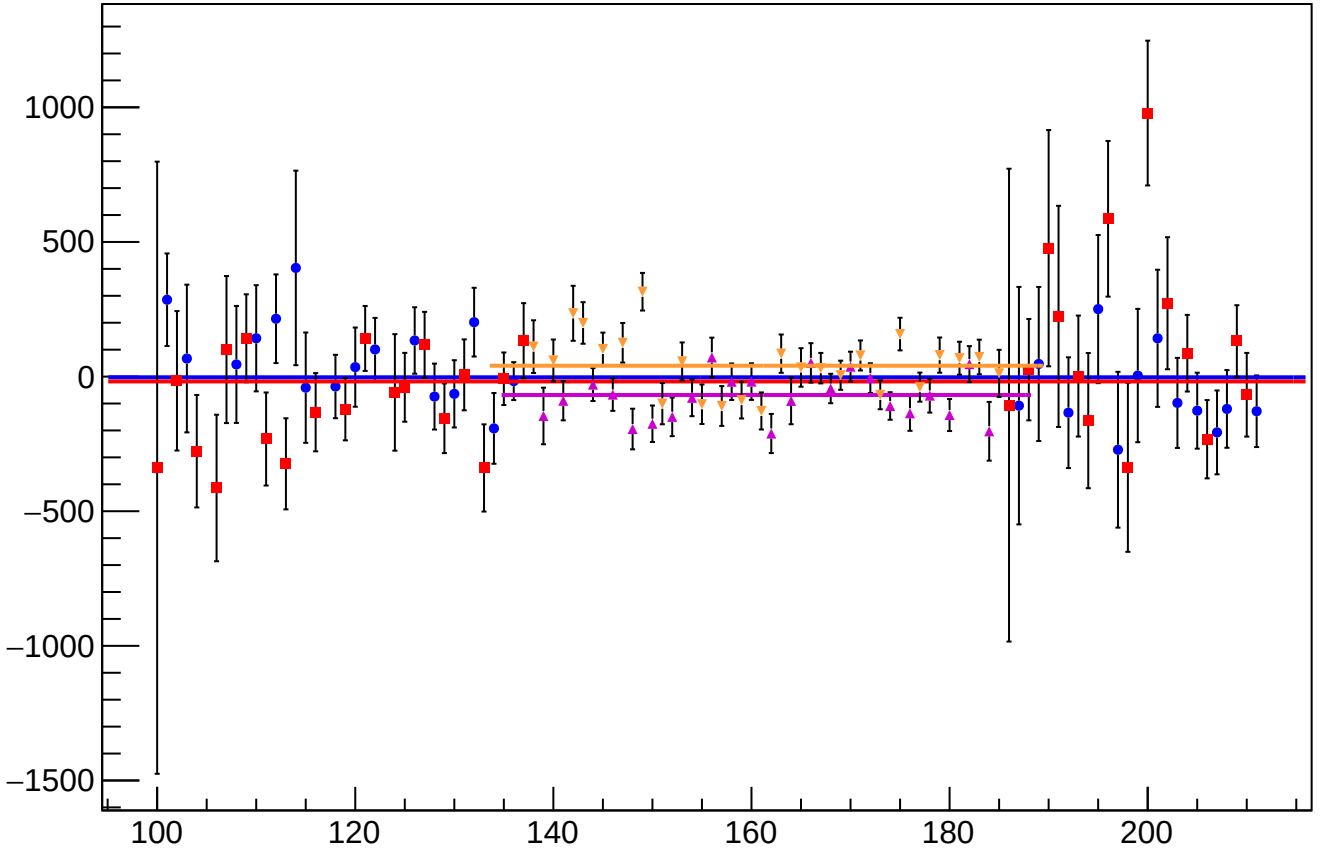
Left In: 478.084+/-0.082 χ^2/NDF:2215520.4/22

+ sign 563.396+/-0.076 χ^2/NDF: 16744321.9/52

All: 566.762+/-0.055 χ^2/NDF: 35578779.1/10

- sign 570.280+/-0.078 χ^2/NDF: 18830472.5/55

cor_asym_sam_3726_avg_mean vs Slug



Right In: -2.624+/-28.858 χ^2/NDF: 20.9/27

Left Out: 40.344+/-13.402 χ^2/NDF:59.4/24

Right Out: -17.999+/-29.528 χ^2/NDF: 47.1/32

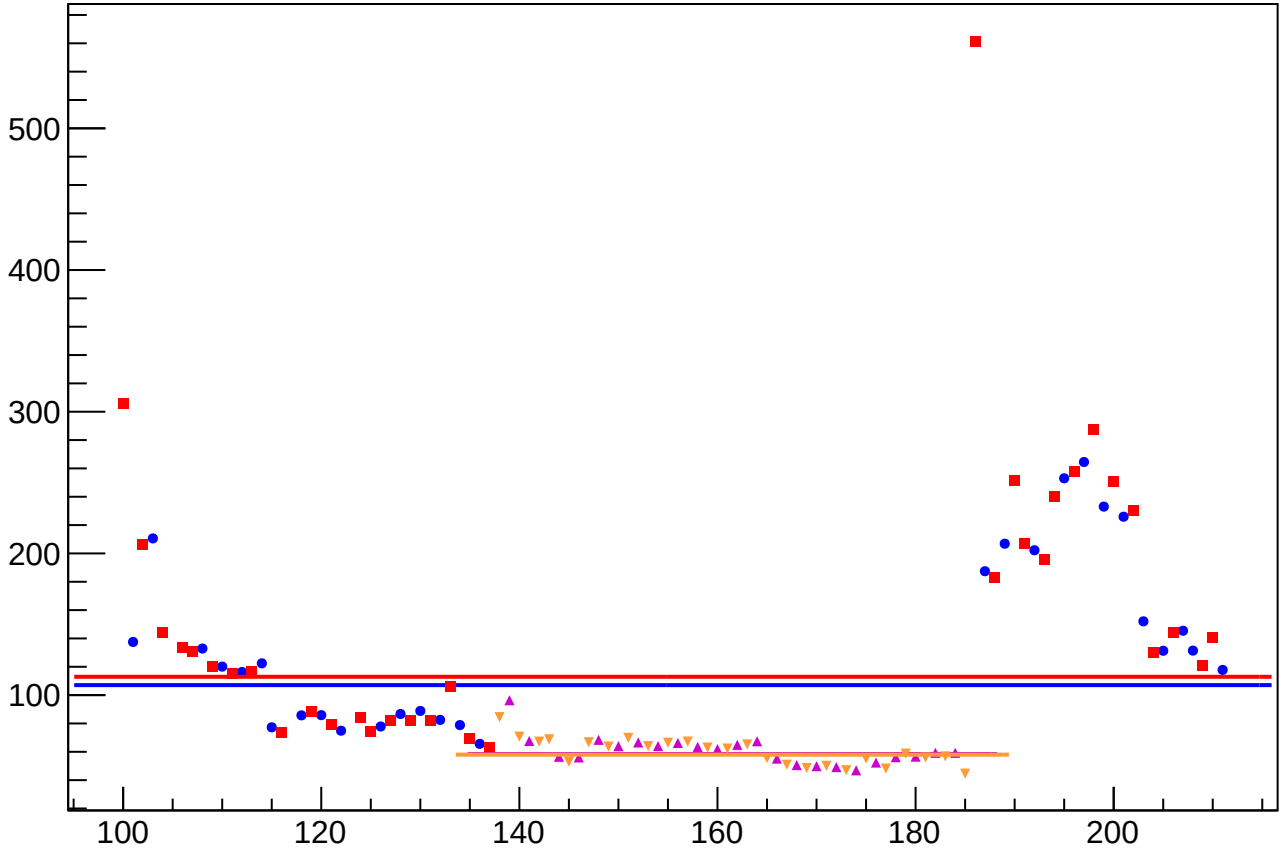
Left In: -68.343+/-13.866 χ^2/NDF:31.7/22

+ sign 32.721+/-12.155 χ^2/NDF: 82.1/52

All: -11.789+/-8.732 χ^2/NDF: 191.0/108

- sign -59.247+/-12.551 χ^2/NDF: 81.2/55

cor_asym_sam_3726_avg_rms vs Slug



Right In: 107.058+/-0.020 χ^2/NDF: 5005936.5/27

Left Out: 57.996+/-0.009 χ^2/NDF:807648.7/24

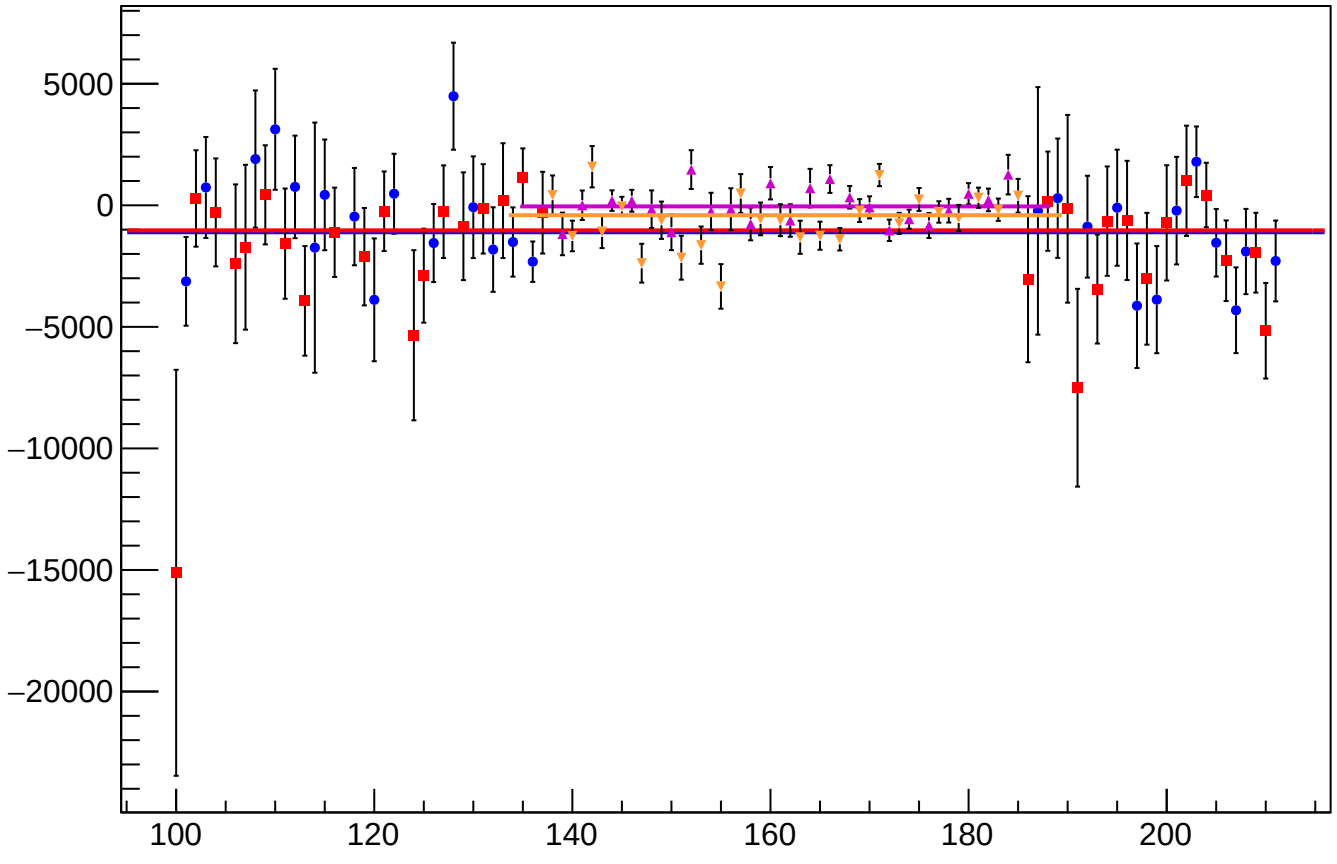
Right Out: 112.940+/-0.021 χ^2/NDF: 6185135.5/32

Left In: 58.397+/-0.010 χ^2/NDF:735208.2/22

+ sign 66.700+/-0.009 χ^2/NDF: 10568947.6/52

All: 67.451+/-0.006 χ^2/NDF: 23096123.6/108

- sign 68.251+/-0.009 χ^2/NDF: 12511408.5/55



Right In: -1108.085+/-346.776 χ^2/NDF: 30.5/27

Left Out: -406.320+/-113.468 χ^2/NDF:63.2/24

Right Out: -1030.226+/-361.748 χ^2/NDF: 25.3/32

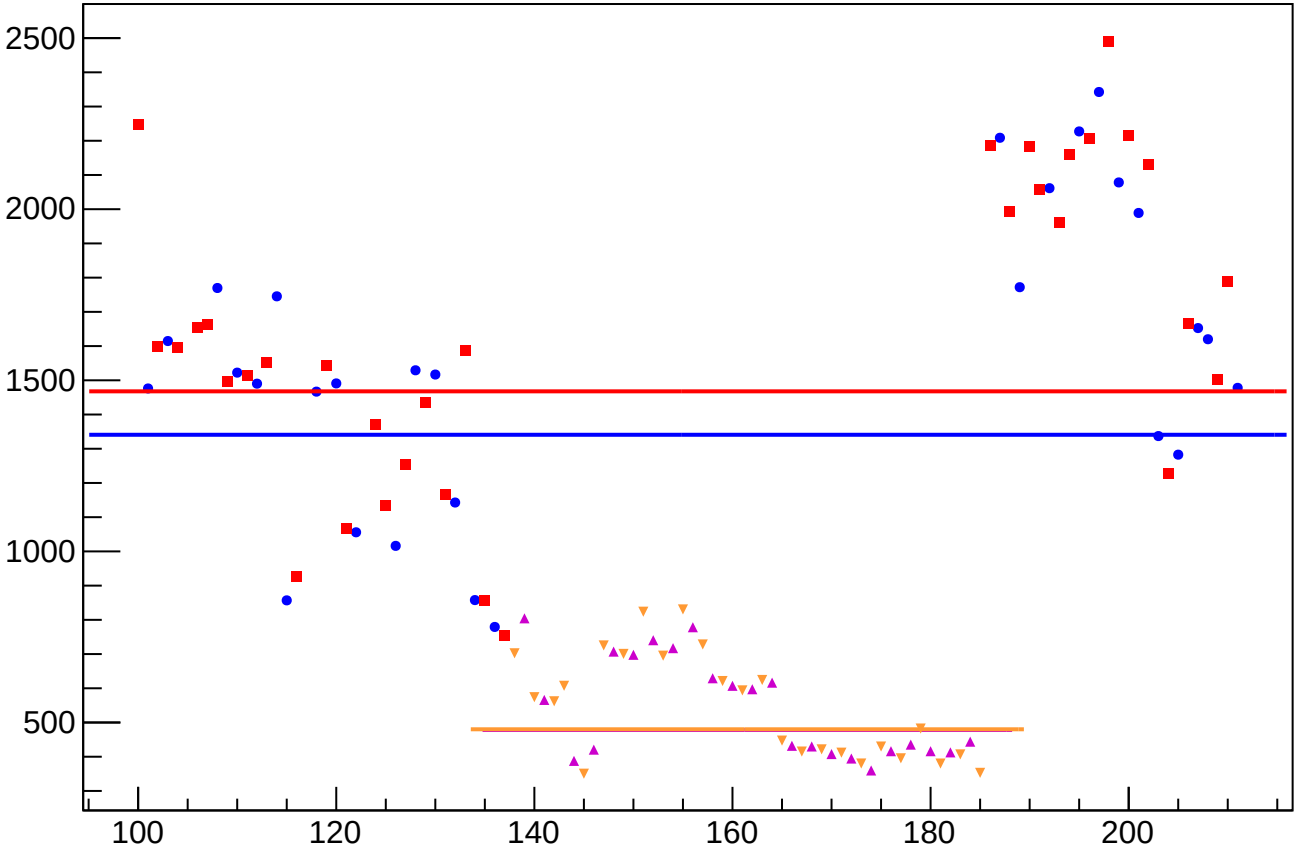
Left In: -44.830+/-115.765 χ^2/NDF:31.1/22

+ sign -474.188+/-107.841 χ^2/NDF: 97.4/52

All: -309.020+/-77.095 χ^2/NDF: 165.3/108

- sign -136.370+/-110.257 χ^2/NDF: 63.1/55

asym_sam_3726_avg_cor_correction_rms vs Slug



Right In: 1340.815+/-0.245 χ^2/NDF: 3034194.3/27

Left Out: 480.162+/-0.080 χ^2/NDF:2582209.1/24

Right Out: 1467.741+/-0.256 χ^2/NDF: 2971591.8/32

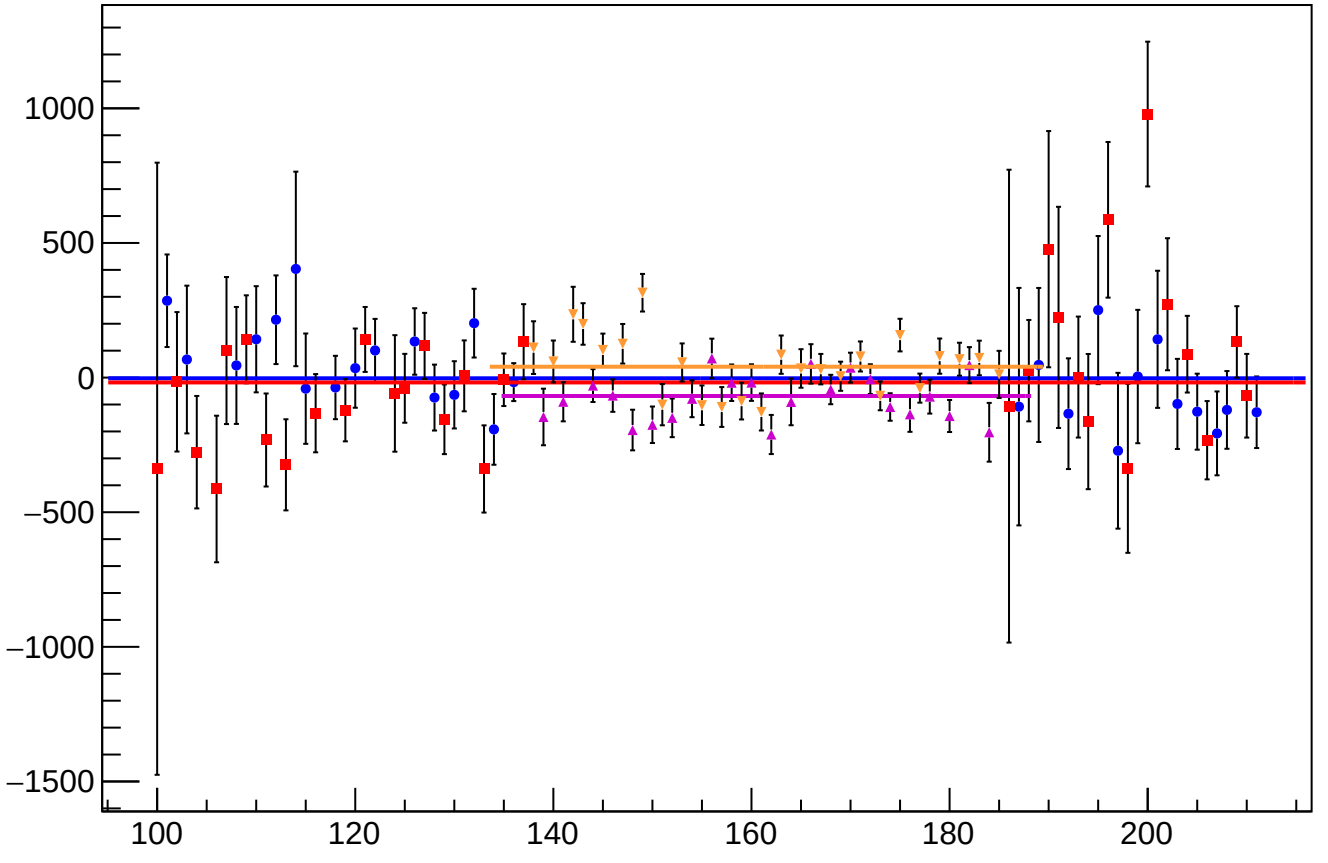
Left In: 478.084+/-0.082 χ^2/NDF:2215518.9/22

+ sign 563.396+/-0.076 χ^2/NDF: 16744350.8/52

All: 566.634+/-0.055 χ^2/NDF: 35513416.9/10

- sign 570.019+/-0.078 χ^2/NDF: 18765377.1/55

eigen_cor_asym_sam_3726_avg_mean vs Slug



Right In: -2.624+/-28.858 χ^2/NDF: 20.9/27

Left Out: 40.344+/-13.402 χ^2/NDF:59.4/24

Right Out: -17.999+/-29.528 χ^2/NDF: 47.1/32

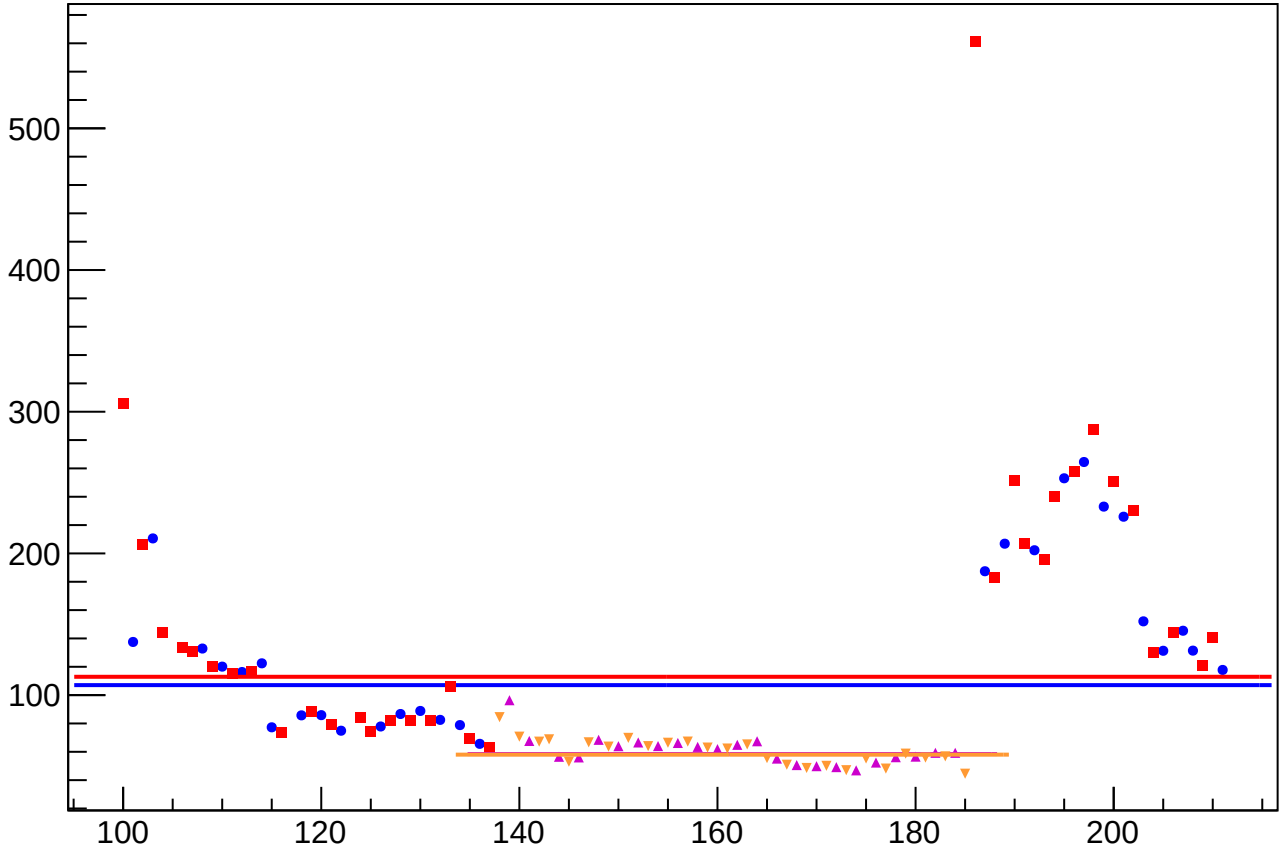
Left In: -68.343+/-13.866 χ^2/NDF:31.7/22

+ sign 32.721+/-12.155 χ^2/NDF: 82.1/52

All: -11.789+/-8.732 χ^2/NDF: 191.0/108

- sign -59.247+/-12.551 χ^2/NDF: 81.2/55

eigen_cor_asym_sam_3726_avg_rms vs Slug



Right In: 107.058+/-0.020 χ^2/NDF: 5005936.5/27

Left Out: 57.996+/-0.009 χ^2/NDF:807648.7/24

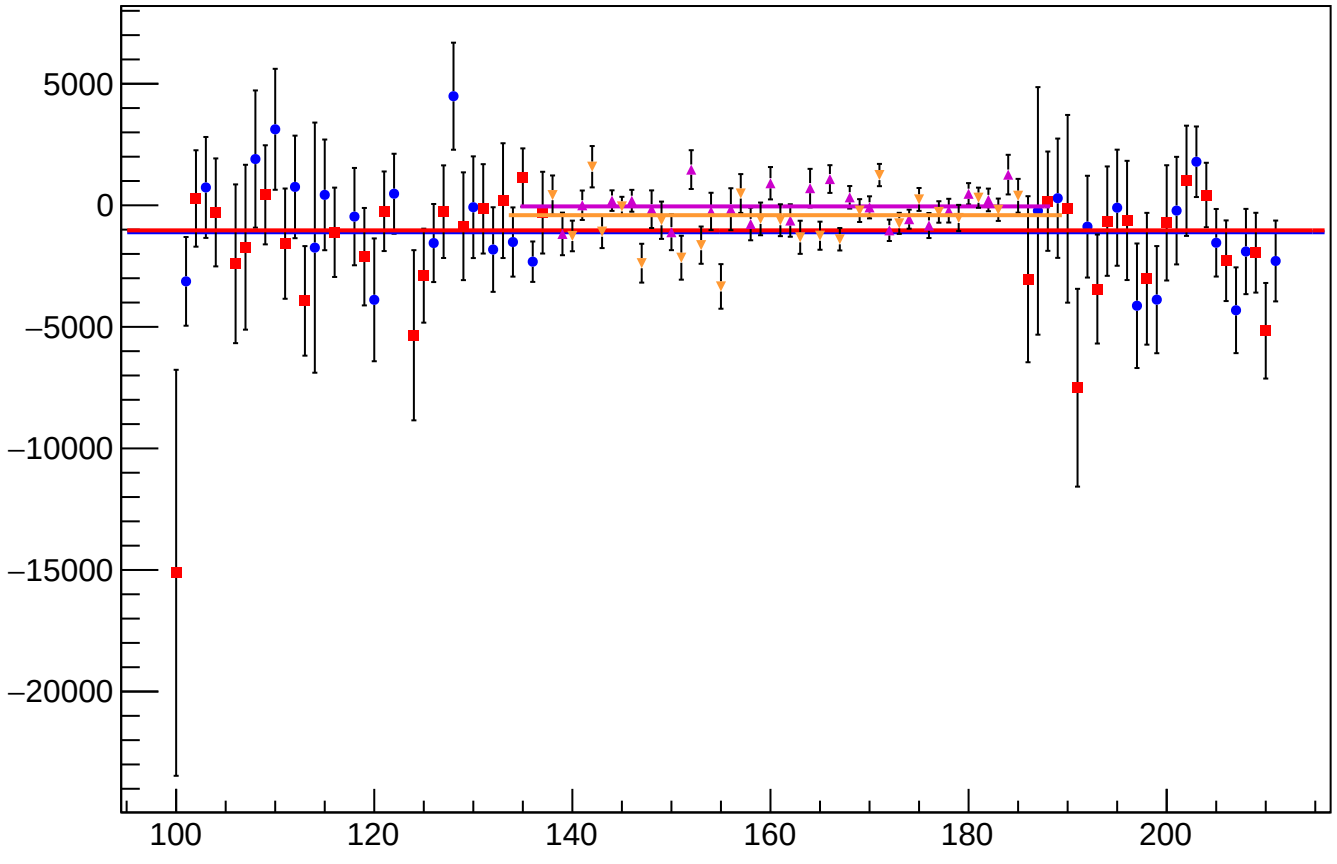
Right Out: 112.940+/-0.021 χ^2/NDF: 6185135.5/32

Left In: 58.397+/-0.010 χ^2/NDF:735208.2/22

+ sign 66.700+/-0.009 χ^2/NDF: 10568947.6/52

All: 67.451+/-0.006 χ^2/NDF: 23096123.6/108

- sign 68.251+/-0.009 χ^2/NDF: 12511408.5/55



Right In: -1108.085+/-346.776 χ^2/NDF: 30.5/27

Left Out: -406.320+/-113.468 χ^2/NDF:63.2/24

Right Out: -1030.226+/-361.748 χ^2/NDF: 25.3/32

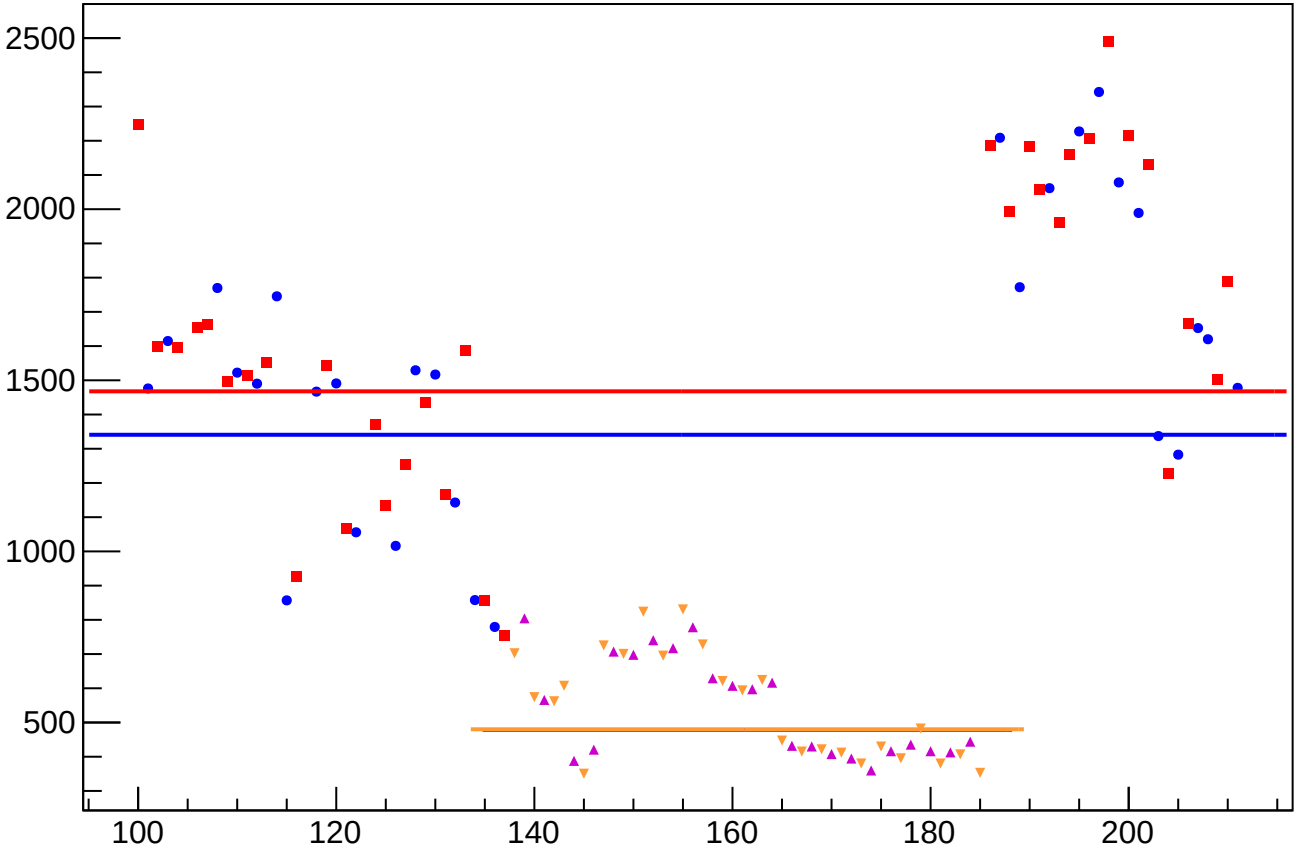
Left In: -44.830+/-115.765 χ^2/NDF:31.1/22

+ sign -474.188+/-107.841 χ^2/NDF: 97.4/52

All: -309.020+/-77.095 χ^2/NDF: 165.3/108

- sign -136.370+/-110.257 χ^2/NDF: 63.1/55

asym_sam_3726_avg_eigen_cor_correction_rms vs Slug



Right In: 1340.815+/-0.245 χ^2/NDF: 3034194.3/27

Left Out: 480.162+/-0.080 χ^2/NDF:2582209.1/24

Right Out: 1467.741+/-0.256 χ^2/NDF: 2971591.8/32

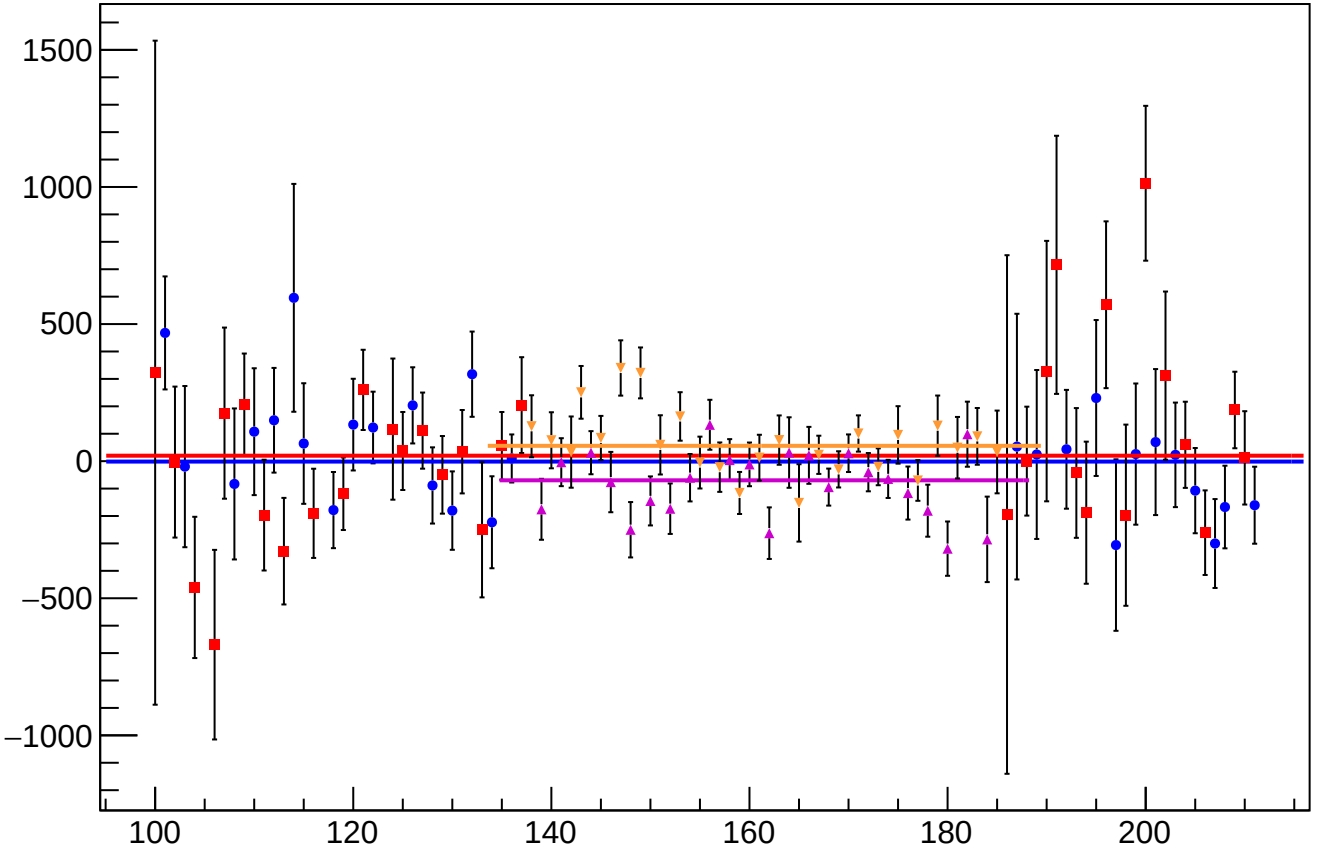
Left In: 478.084+/-0.082 χ^2/NDF:2215518.9/22

+ sign 563.396+/-0.076 χ^2/NDF: 16744350.8/52

All: 566.634+/-0.055 χ^2/NDF: 35513416.9/10

- sign 570.019+/-0.078 χ^2/NDF: 18765377.1/55

dit_asym_sam_3726_avg_mean vs Slug



Right In: -1.490+/-33.037 χ^2/NDF: 29.7/27

Left Out: 55.949+/-17.949 χ^2/NDF:38.3/24

Right Out: 19.946+/-33.848 χ^2/NDF: 47.0/32

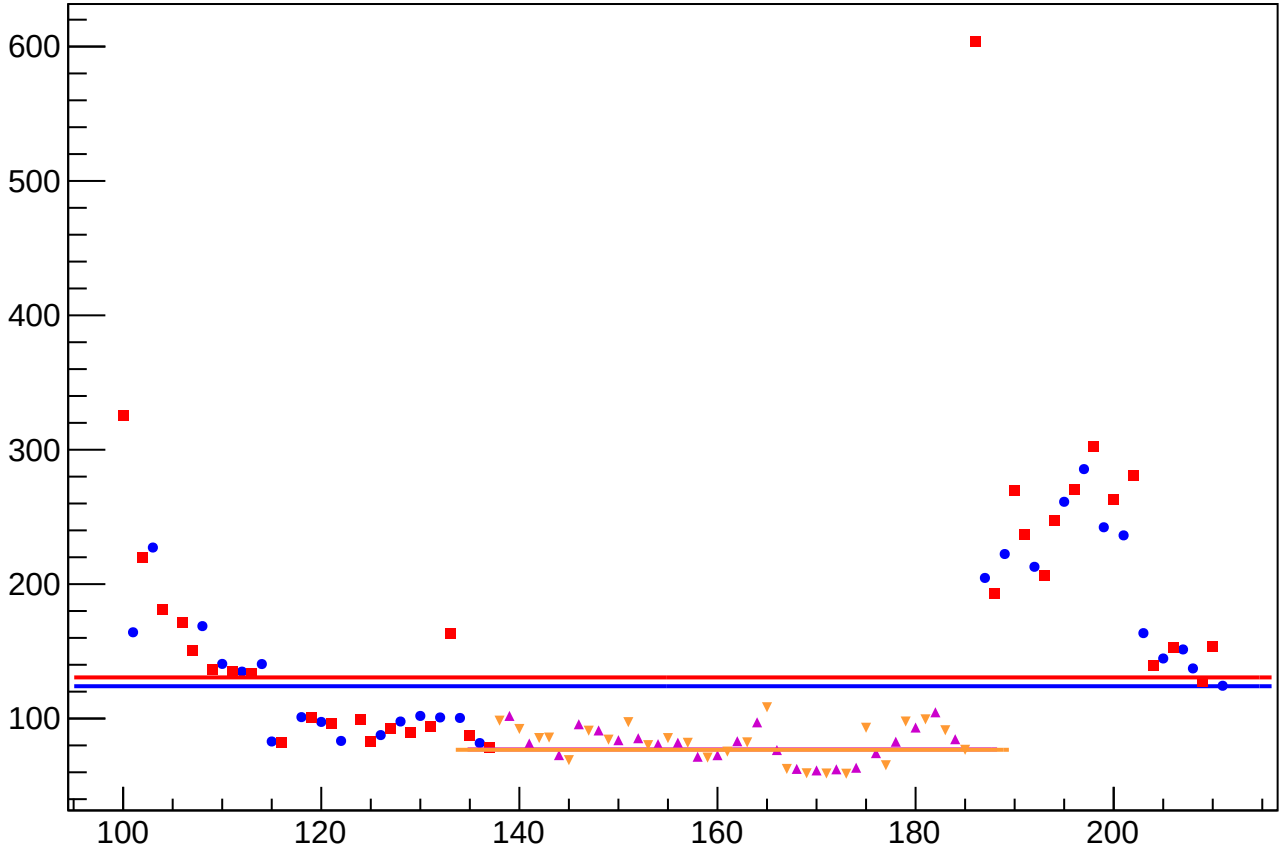
Left In: -69.844+/-18.497 χ^2/NDF:34.5/22

\+ sign 42.858+/-15.772 χ^2/NDF: 70.3/52

All: -1.848+/-11.311 χ^2/NDF: 173.8/108

\- sign -49.196+/-16.231 χ^2/NDF: 87.0/55

dit_asym_sam_3726_avg_rms vs Slug



Right In: 124.036+/-0.023 χ^2/NDF: 4136301.9/27

Left Out: 76.744+/-0.013 χ^2/NDF:1234629.1/24

Right Out: 130.598+/-0.024 χ^2/NDF: 5465265.1/32

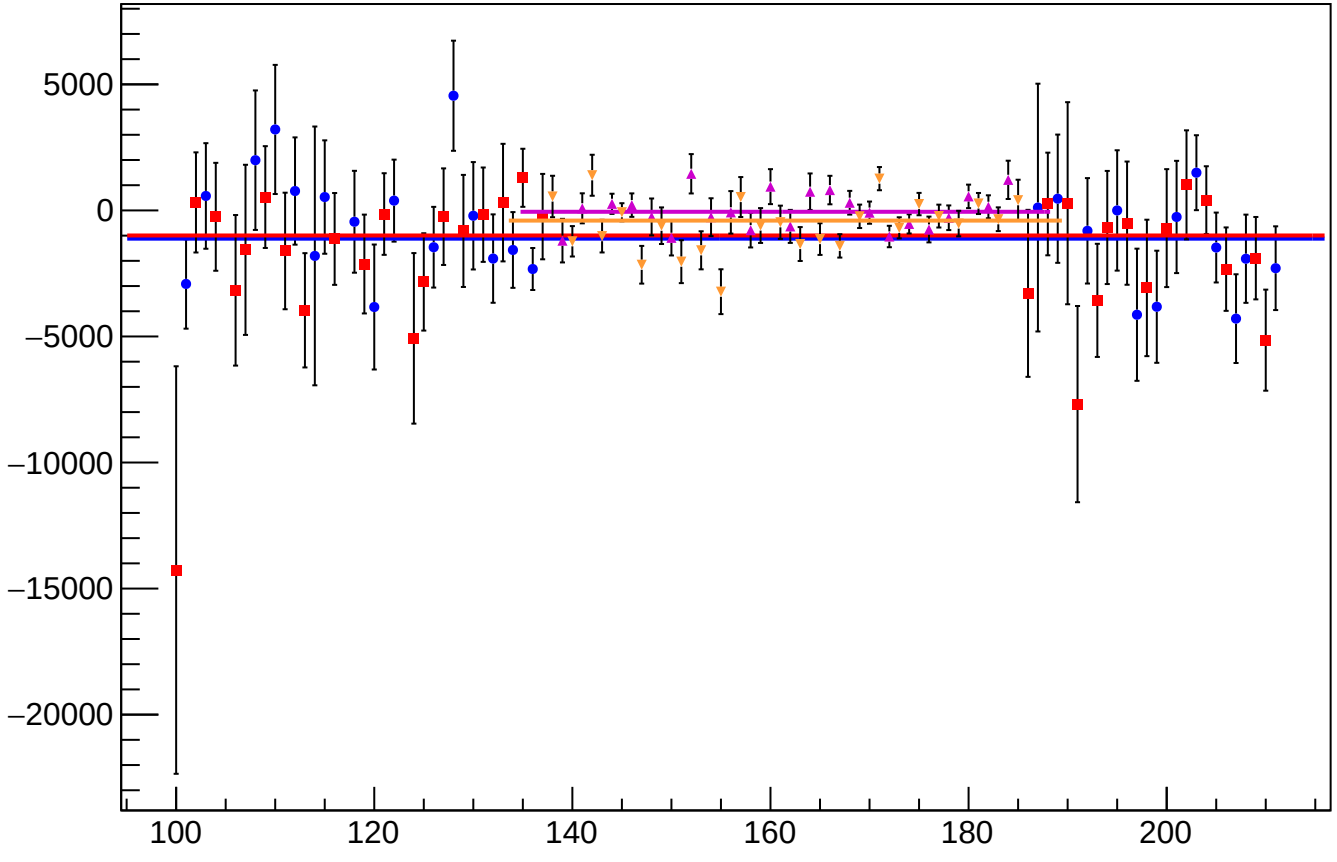
Left In: 77.018+/-0.013 χ^2/NDF:858871.7/22

+ sign 87.522+/-0.011 χ^2/NDF: 8535213.5/52

All: 88.404+/-0.008 χ^2/NDF: 18731377.0/108

- sign 89.339+/-0.011 χ^2/NDF: 10183272.8/55

asym_sam_3726_avg_dit_correction_mean vs Slug



Right In: -1119.979+/-348.429 χ^2/NDF: 29.4/27

Left Out: -403.375+/-111.773 χ^2/NDF:60.7/24

Right Out: -994.163+/-358.927 χ^2/NDF: 27.1/32

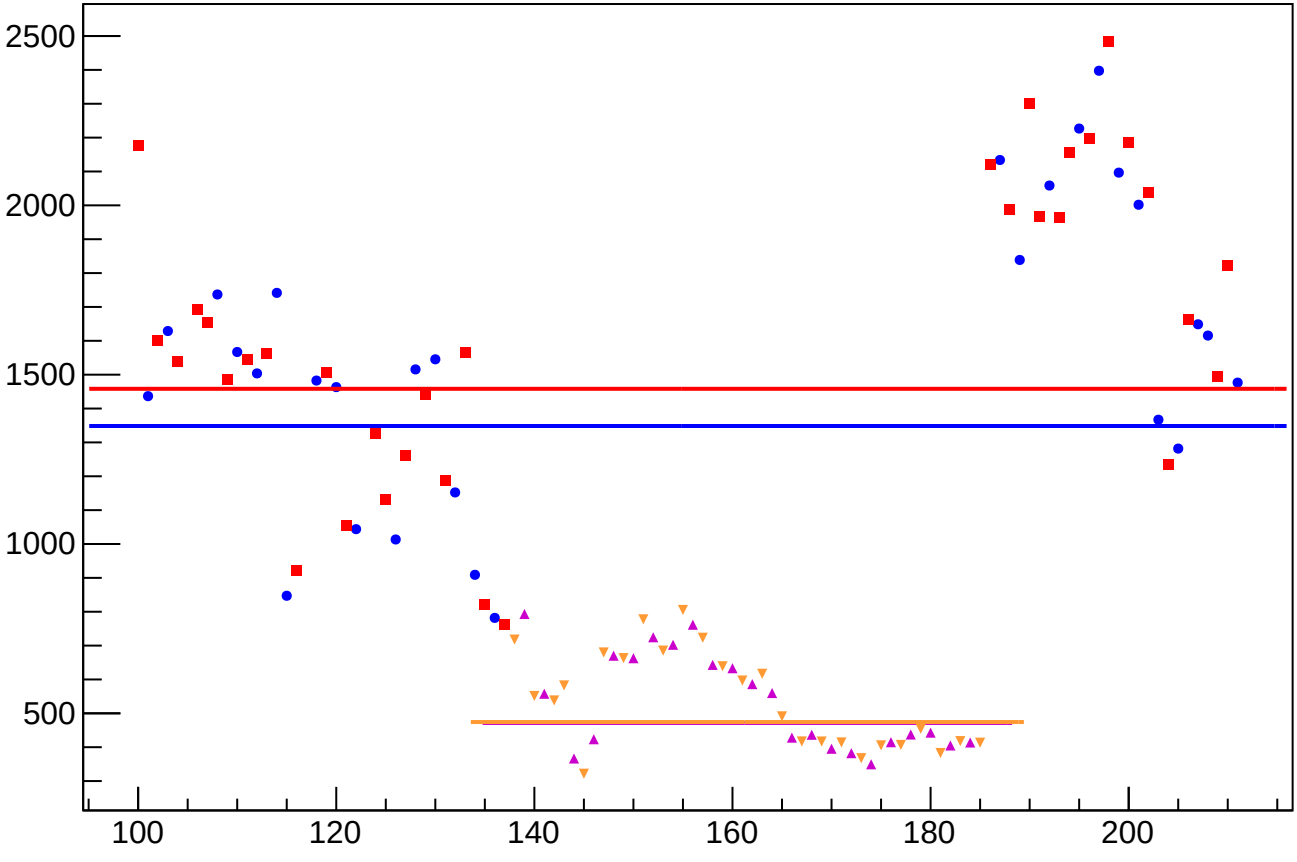
Left In: -54.192+/-114.223 χ^2/NDF:30.7/22

+ sign -470.238+/-106.431 χ^2/NDF: 94.0/52

All: -309.130+/-76.097 χ^2/NDF: 162.6/108

- sign -140.632+/-108.845 χ^2/NDF: 63.9/55

asym_sam_3726_avg_dit_correction_rms vs Slug



Right In: 1348.431+/-0.246 χ^2/NDF: 3005858.4/27

Left Out: 474.294+/-0.079 χ^2/NDF:2538995.4/24

Right Out: 1458.291+/-0.254 χ^2/NDF: 3024175.6/32

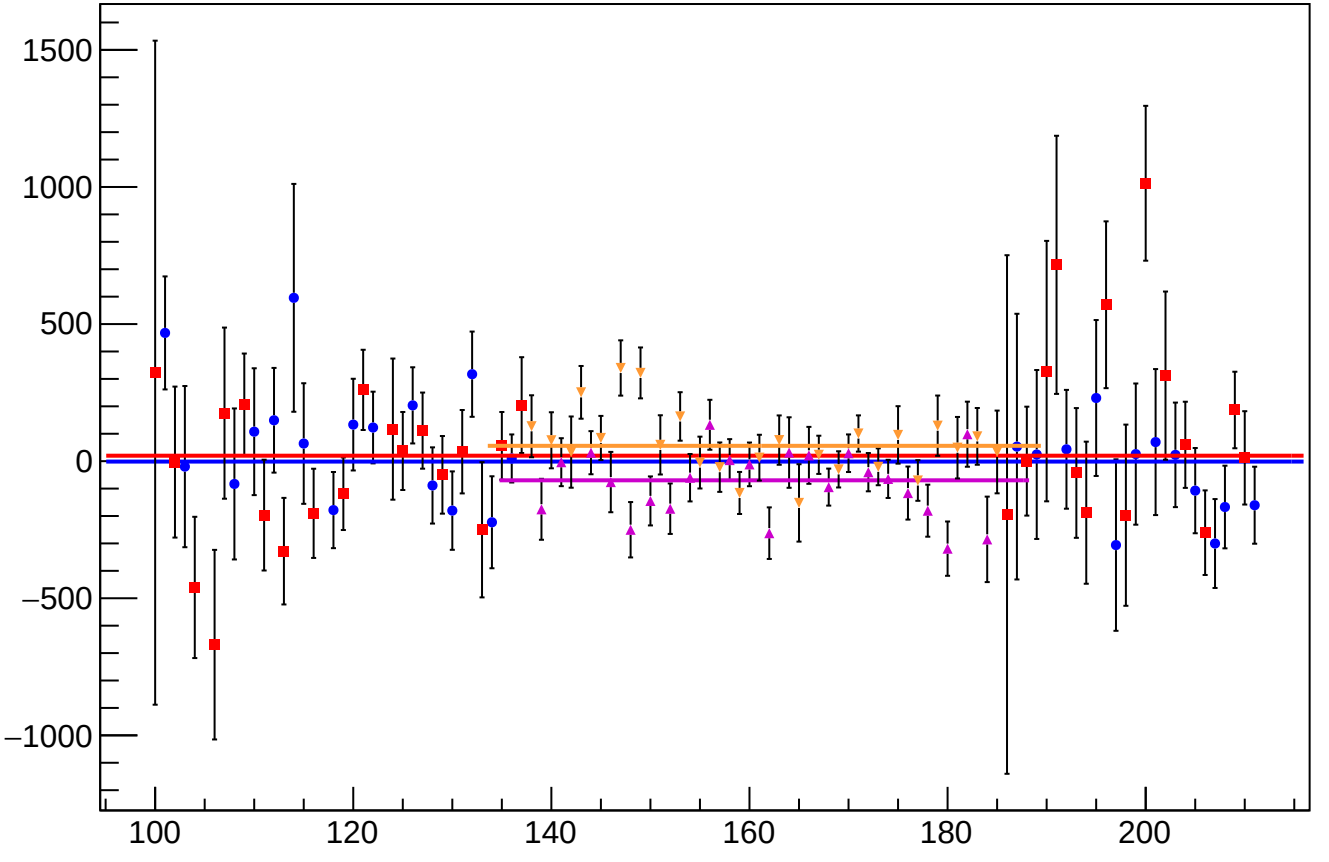
Left In: 471.456+/-0.081 χ^2/NDF:2209343.4/22

+ sign 555.856+/-0.075 χ^2/NDF: 16958423.0/52

All: 558.960+/-0.054 χ^2/NDF: 35923546.9/10

- sign 562.206+/-0.077 χ^2/NDF: 18961644.1/55

eigen_dit_asym_sam_3726_avg_mean vs Slug



Right In: -1.488+/-33.037 χ^2/NDF: 29.7/27

Left Out: 55.948+/-17.949 χ^2/NDF:38.3/24

Right Out: 19.948+/-33.848 χ^2/NDF: 47.0/32

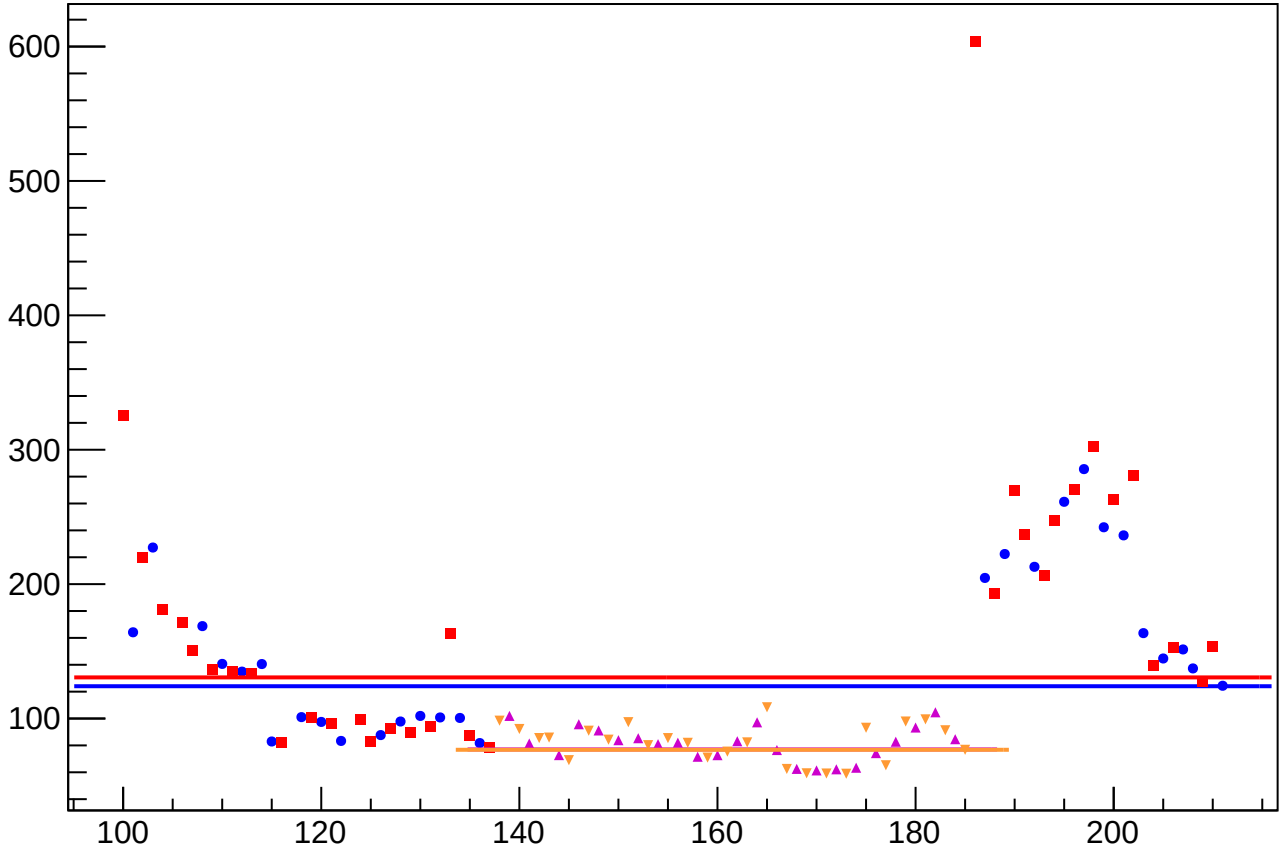
Left In: -69.843+/-18.497 χ^2/NDF:34.5/22

+ sign 42.858+/-15.772 χ^2/NDF: 70.3/52

All: -1.848+/-11.311 χ^2/NDF: 173.8/108

- sign -49.195+/-16.231 χ^2/NDF: 87.0/55

eigen_dit_asym_sam_3726_avg_rms vs Slug



Right In: 124.036+/-0.023 χ^2/NDF: 4136310.5/27

Left Out: 76.744+/-0.013 χ^2/NDF:1234627.7/24

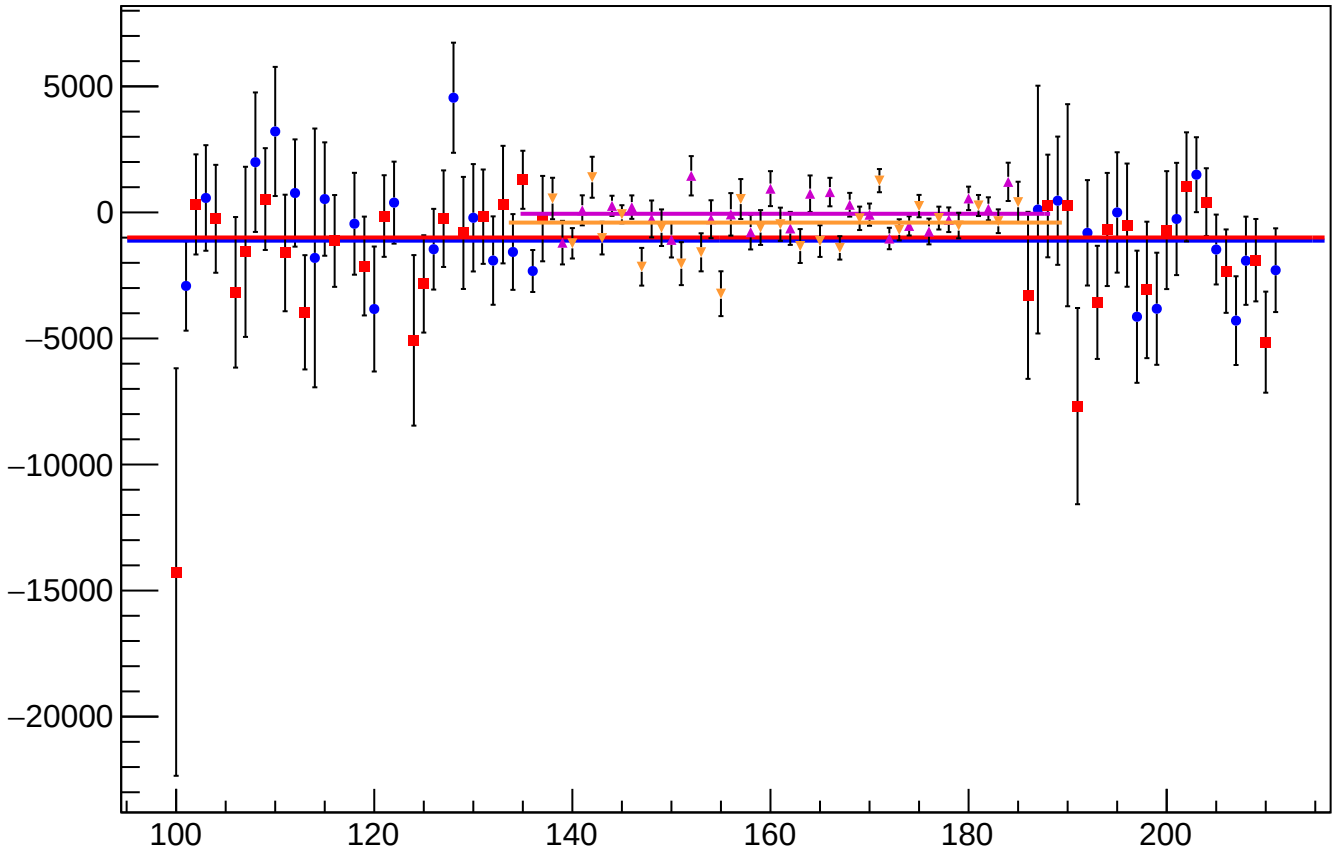
Right Out: 130.598+/-0.024 χ^2/NDF: 5465275.1/32

Left In: 77.018+/-0.013 χ^2/NDF:858863.2/22

+ sign 87.522+/-0.011 χ^2/NDF: 8535158.7/52

All: 88.405+/-0.008 χ^2/NDF: 18731266.1/108

- sign 89.339+/-0.011 χ^2/NDF: 10183216.1/55



Right In: -1119.976+/-348.429 χ^2/NDF: 29.4/27

Left Out: -403.375+/-111.773 χ^2/NDF:60.7/24

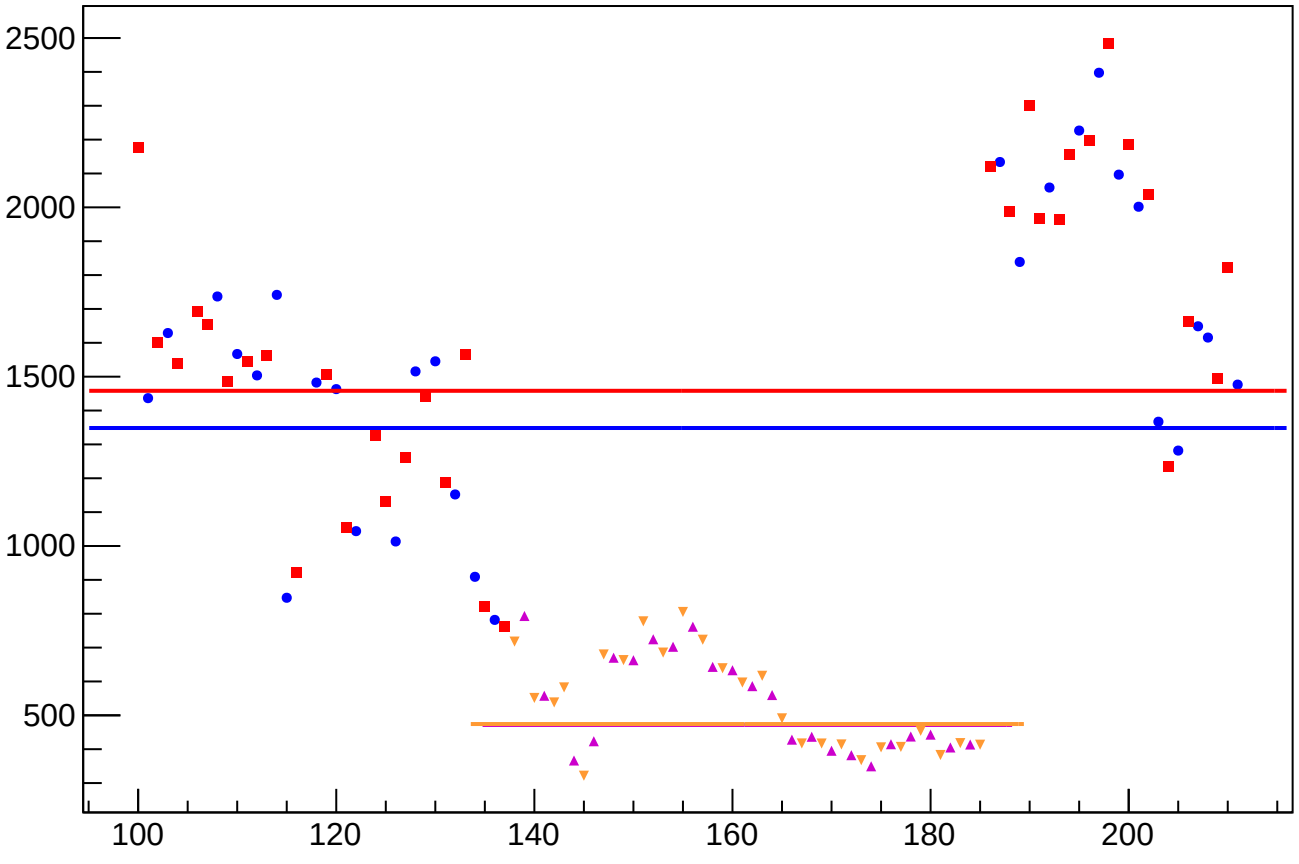
Right Out: -994.163+/-358.927 χ^2/NDF: 27.1/32

Left In: -54.192+/-114.223 χ^2/NDF:30.7/22

+ sign -470.238+/-106.431 χ^2/NDF: 94.0/52

All: -309.130+/-76.097 χ^2/NDF: 162.6/108

- sign -140.632+/-108.845 χ^2/NDF: 63.9/55



Right In: 1348.430+/-0.246 χ^2/NDF: 3005849.5/27

Left Out: 474.294+/-0.079 χ^2/NDF:2538999.2/24

Right Out: 1458.290+/-0.254 χ^2/NDF: 3024171.9/32

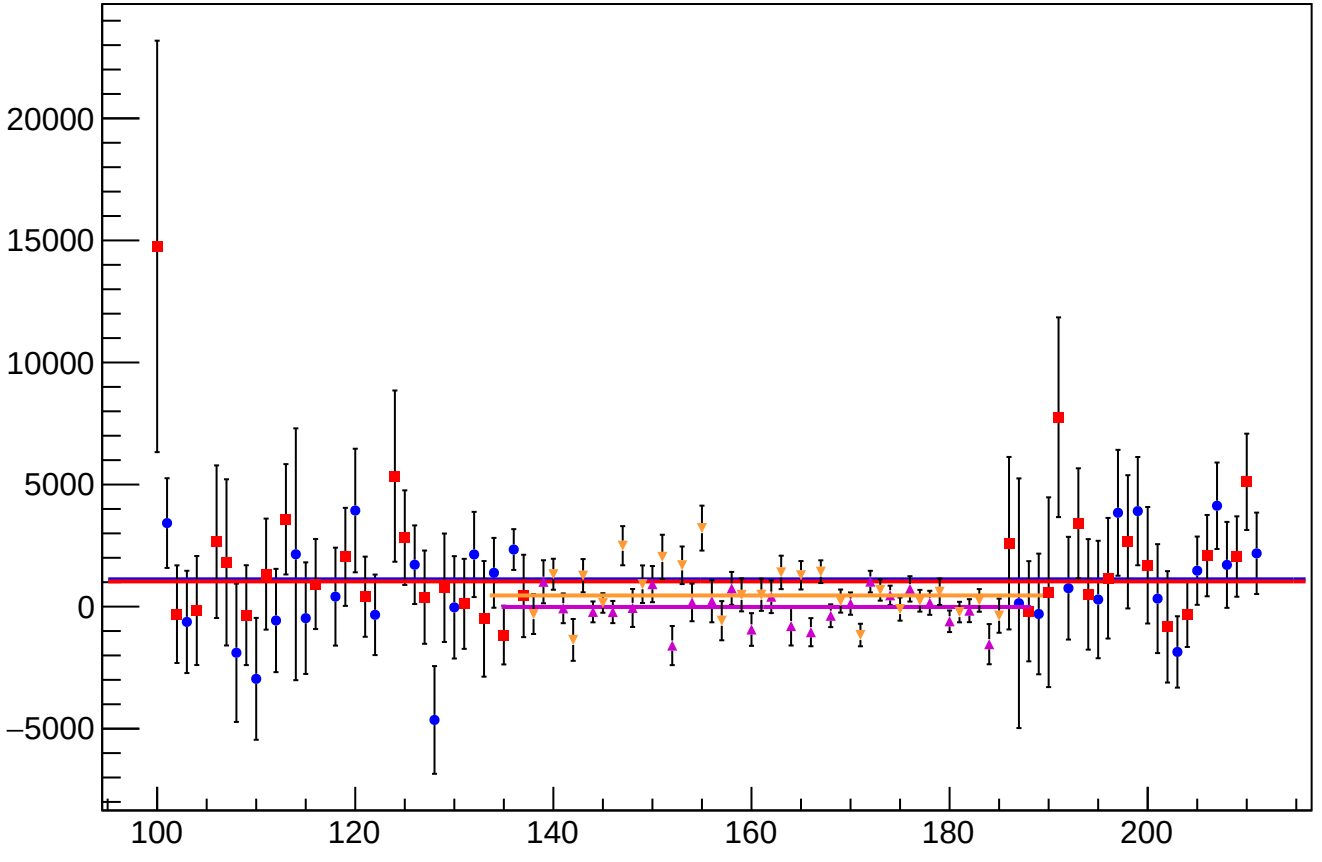
Left In: 471.456+/-0.081 χ^2/NDF:2209338.4/22

+ sign 555.855+/-0.075 χ^2/NDF: 16958421.1/52

All: 558.959+/-0.054 χ^2/NDF: 35923530.7/10

- sign 562.206+/-0.077 χ^2/NDF: 18961629.6/55

asym_sam_3726_avg_mean vs Slug



Right In: 1116.843+/-348.363 χ^2/NDF: 30.1/27

Left Out: 457.286+/-114.351 χ^2/NDF:59.4/24

Right Out: 1033.590+/-363.150 χ^2/NDF: 24.1/32

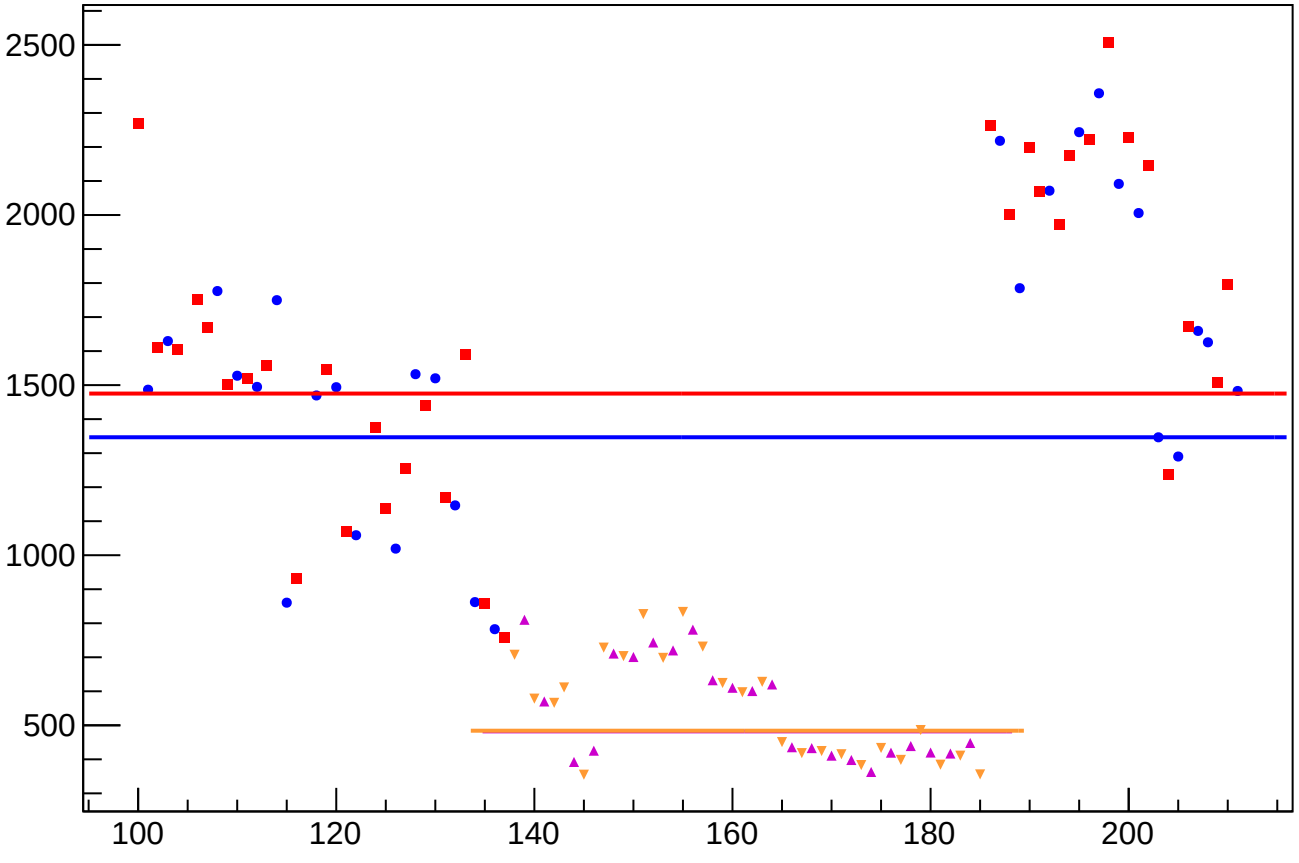
Left In: -15.089+/-116.701 χ^2/NDF:30.3/22

+ sign 521.441+/-108.648 χ^2/NDF: 92.7/52

All: 307.157+/-77.680 χ^2/NDF: 162.6/108

- sign 83.071+/-111.105 χ^2/NDF: 61.9/55

asym_sam_3726_avg_rms vs Slug



Right In: 1346.730+/-0.246 χ^2/NDF: 3044909.5/27

Left Out: 484.128+/-0.081 χ^2/NDF:2548479.4/24

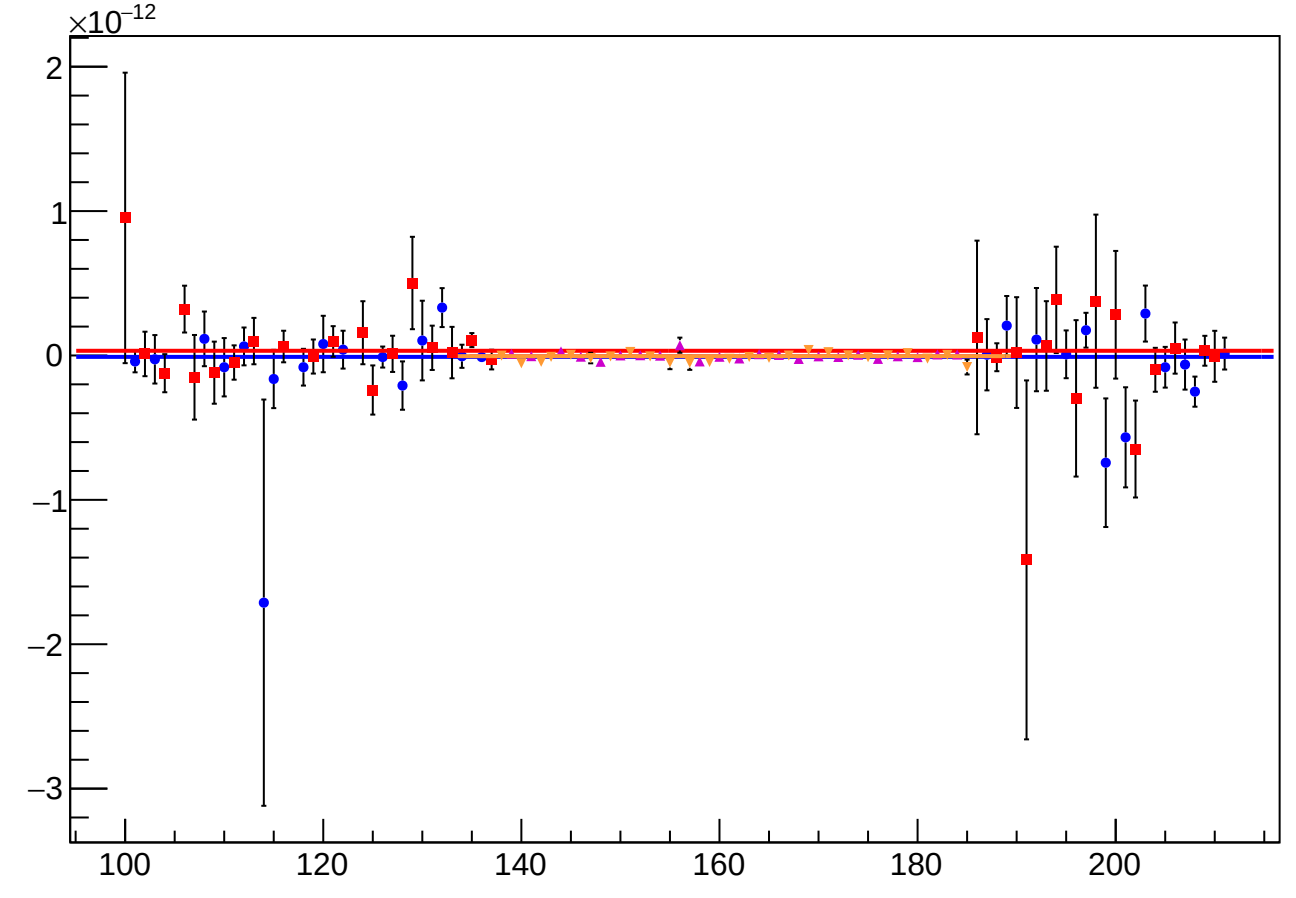
Right Out: 1475.162+/-0.257 χ^2/NDF: 3009989.1/32

Left In: 482.160+/-0.083 χ^2/NDF:2186689.9/22

+ sign 568.033+/-0.077 χ^2/NDF: 16663320.2/52

All: 571.491+/-0.055 χ^2/NDF: 35418401.5/10

- sign 575.108+/-0.079 χ^2/NDF: 18750935.0/55



Right In: -0.000+/-0.000 χ^2/NDF: 28.7/27

Left Out: -0.000+/-0.000 χ^2/NDF:31.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 24.1/32

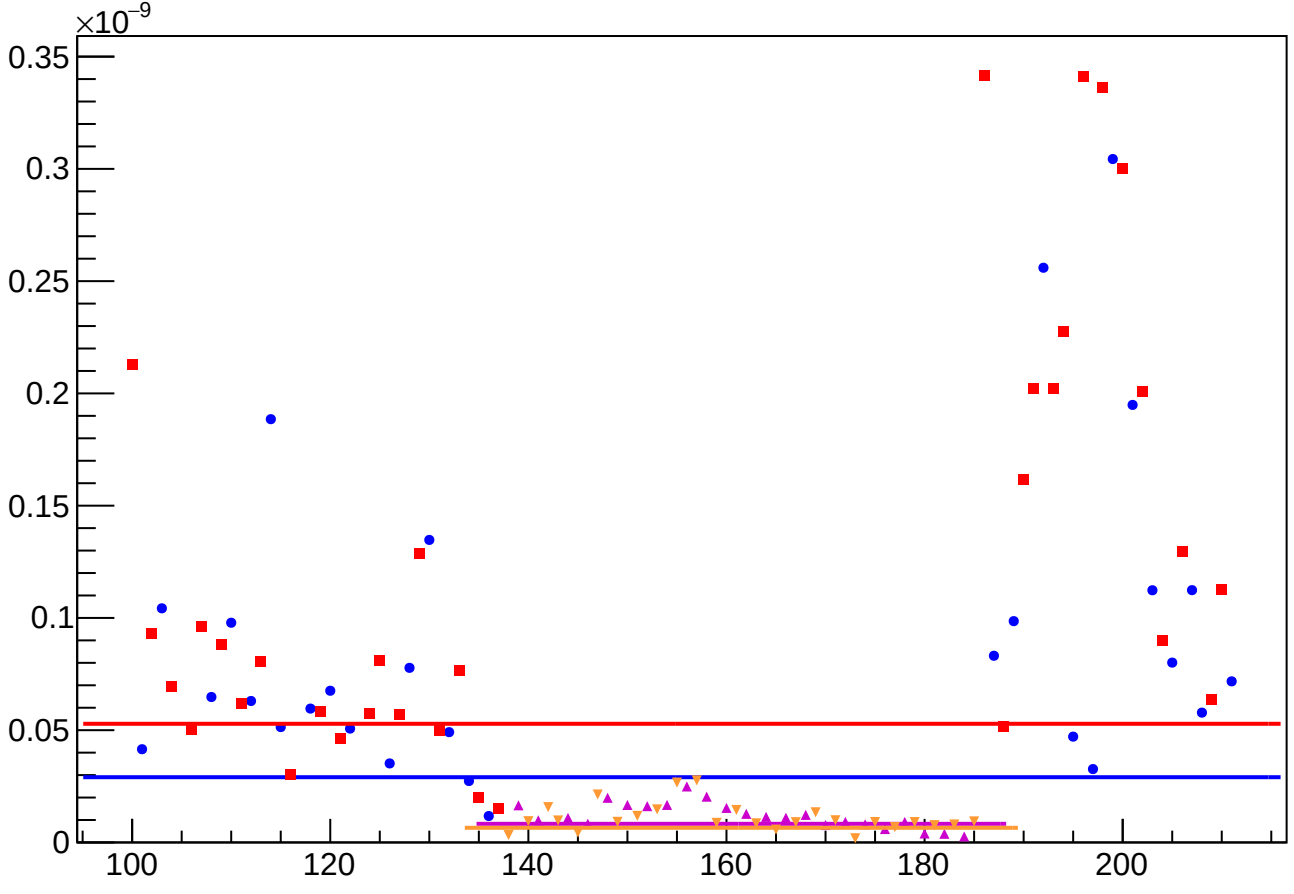
Left In: -0.000+/-0.000 χ^2/NDF:15.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 59.9/52

All: -0.000+/-0.000 χ^2/NDF: 101.4/108

- sign -0.000+/-0.000 χ^2/NDF: 41.4/55

asym_sam_3726_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 7057384.3/27

Left Out: 0.000+/-0.000 χ^2/NDF:3737127.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6453479.2/32

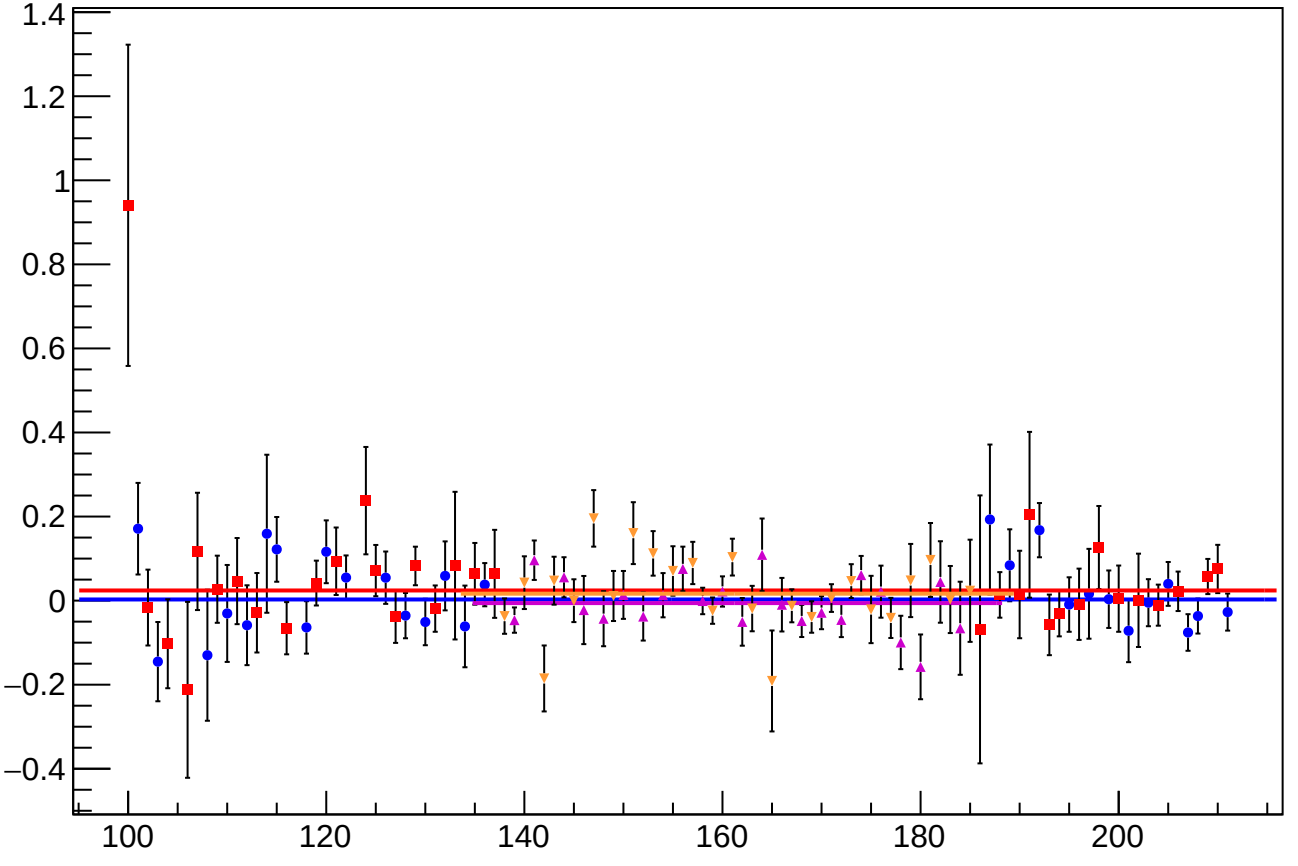
Left In: 0.000+/-0.000 χ^2/NDF:2799238.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 14485693.7/52

All: 0.000+/-0.000 χ^2/NDF: 30748786.8/108

- sign 0.000+/-0.000 χ^2/NDF: 15917345.0/55

asym_sam_3726_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.003+/-0.012 χ^2/NDF: 31.8/27

Left Out: 0.016+/-0.010 χ^2/NDF:41.1/24

Right Out: 0.024+/-0.013 χ^2/NDF: 26.2/32

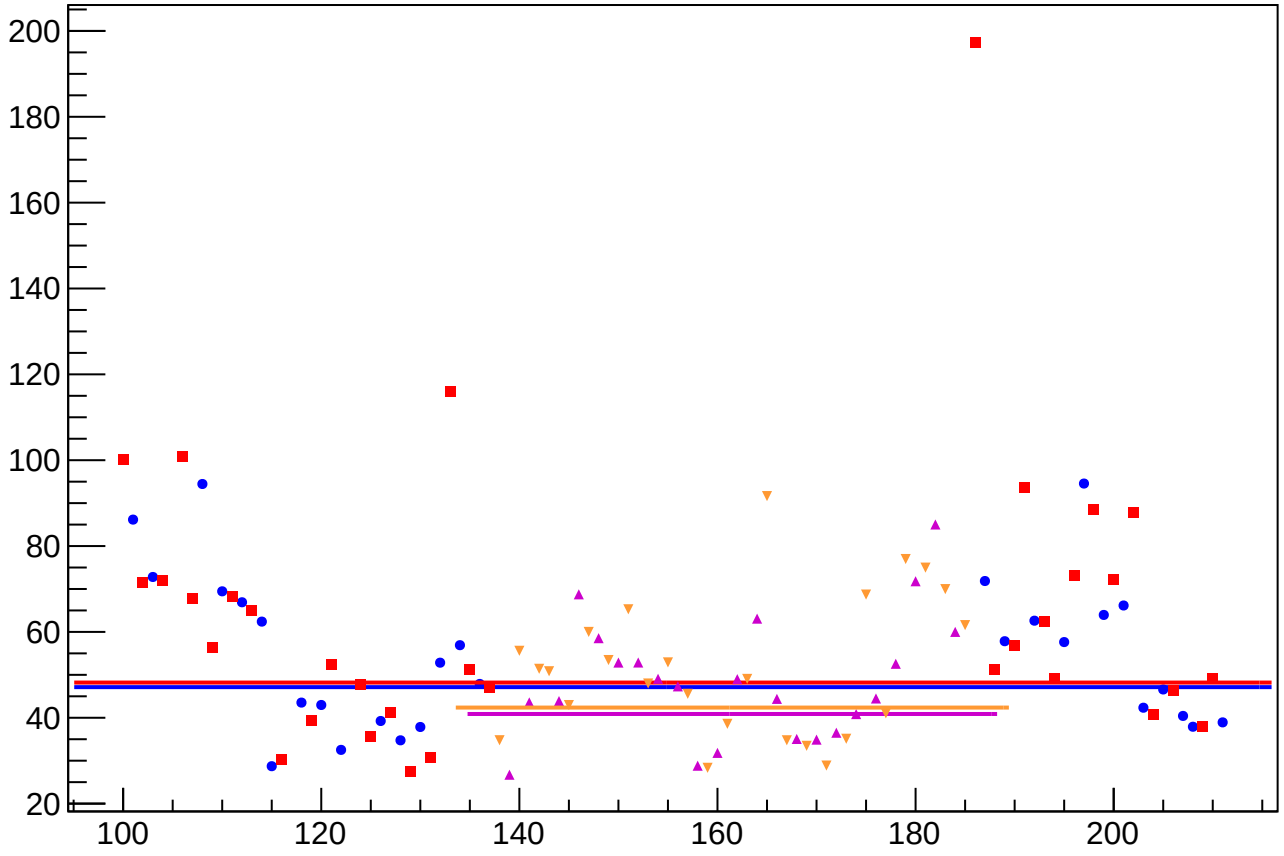
Left In: -0.006+/-0.010 χ^2/NDF:26.0/22

+ sign 0.011+/-0.008 χ^2/NDF: 73.6/52

All: 0.009+/-0.006 χ^2/NDF: 129.4/108

- sign 0.006+/-0.008 χ^2/NDF: 55.6/55

asym_sam_3726_avg_dit_vs_cor_diff_rms vs Slug



Right In: 47.135+/-0.009 χ^2/NDF: 2381342.7/27

Left Out: 42.375+/-0.007 χ^2/NDF:3190972.5/24

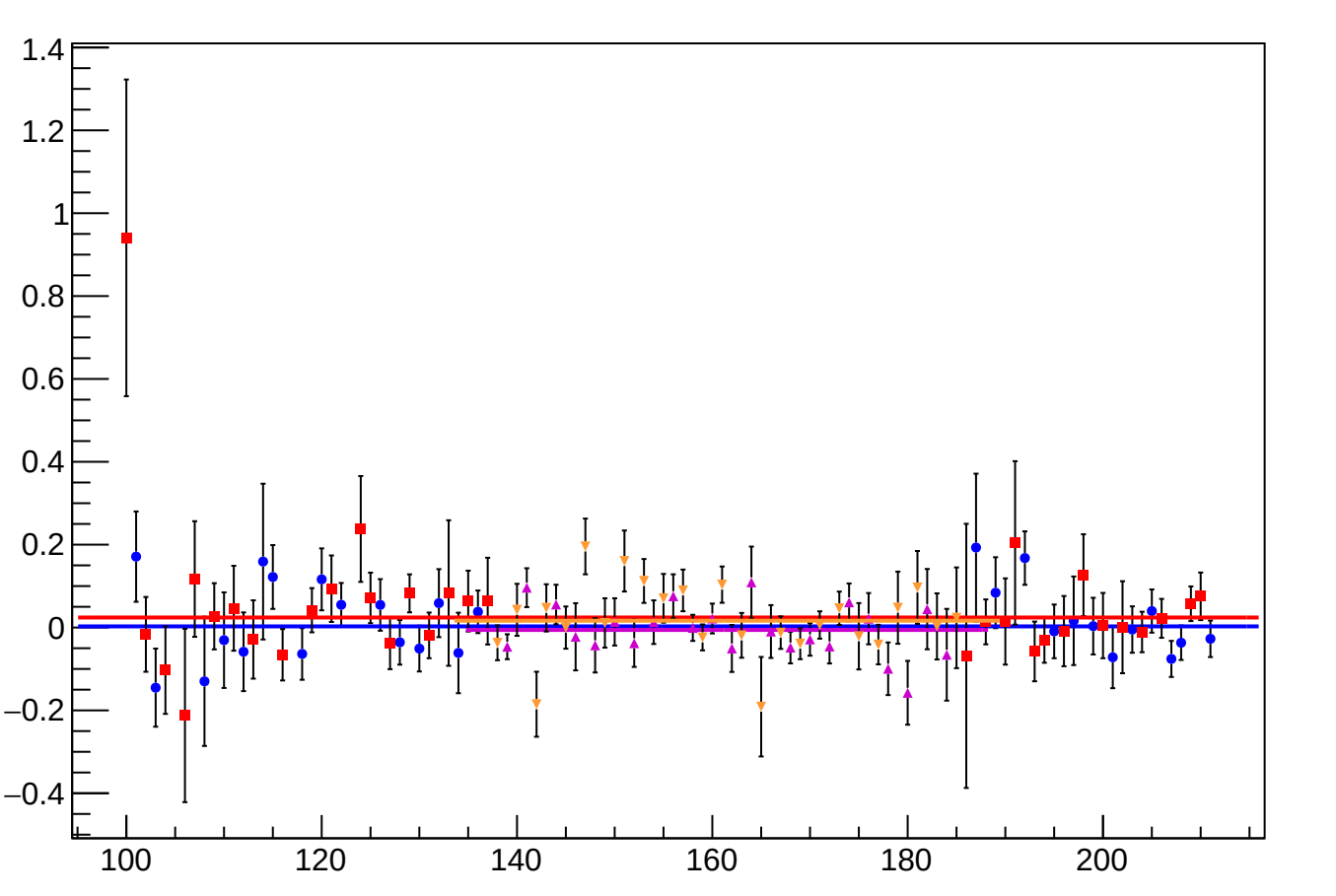
Right Out: 48.201+/-0.009 χ^2/NDF: 3602888.7/32

Left In: 40.881+/-0.007 χ^2/NDF:2678327.2/22

+ sign 44.313+/-0.006 χ^2/NDF: 5744628.1/52

All: 44.068+/-0.004 χ^2/NDF: 12437194.2/108

- sign 43.824+/-0.006 χ^2/NDF: 6688786.7/55



Right In: 0.003+/-0.012 χ^2/NDF: 31.8/27

Left Out: 0.016+/-0.010 χ^2/NDF:41.1/24

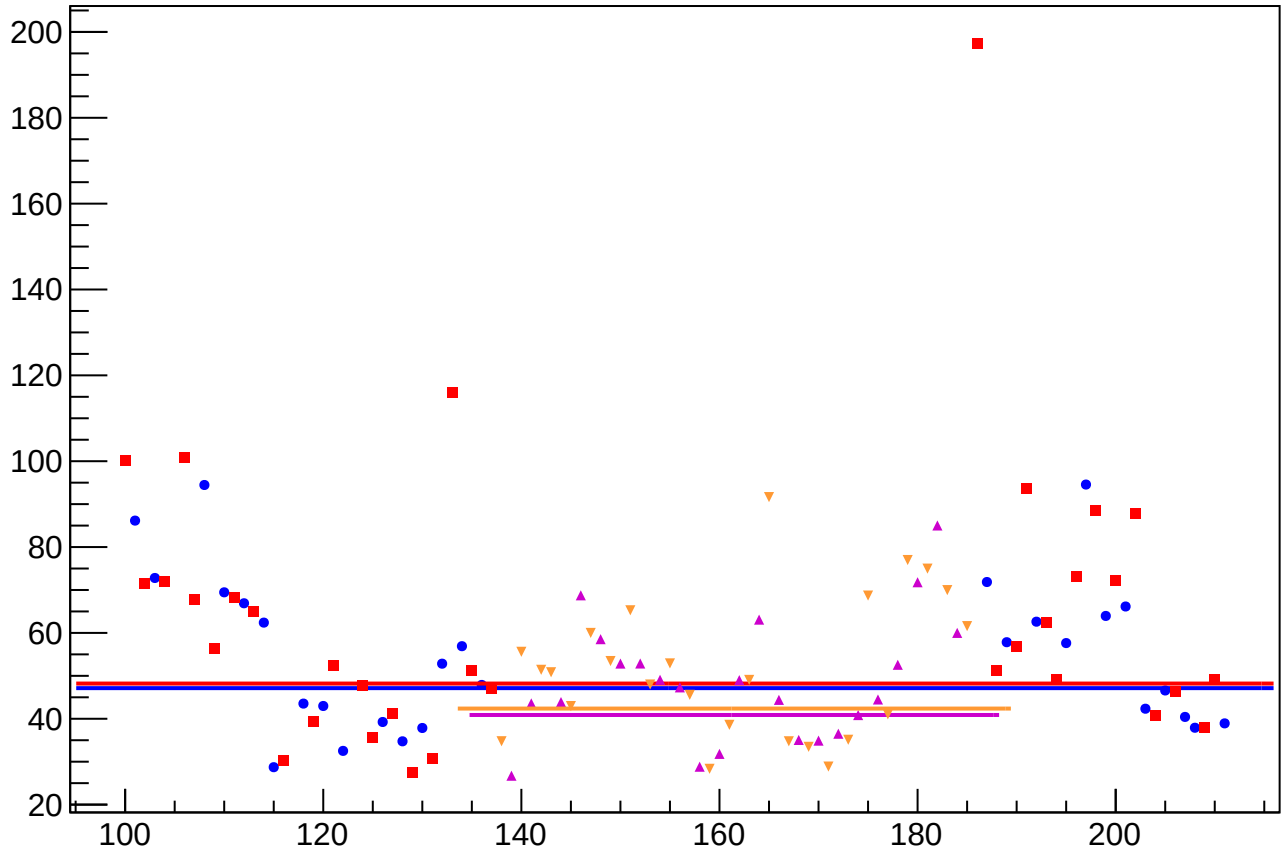
Right Out: 0.024+/-0.013 χ^2/NDF: 26.2/32

Left In: -0.006+/-0.010 χ^2/NDF:26.0/22

+ sign 0.011+/-0.008 χ^2/NDF: 73.6/52

All: 0.009+/-0.006 χ^2/NDF: 129.4/108

- sign 0.006+/-0.008 χ^2/NDF: 55.6/55



Right In: 47.135+/-0.009 χ^2/NDF: 2381342.7/27

Left Out: 42.375+/-0.007 χ^2/NDF:3190972.5/24

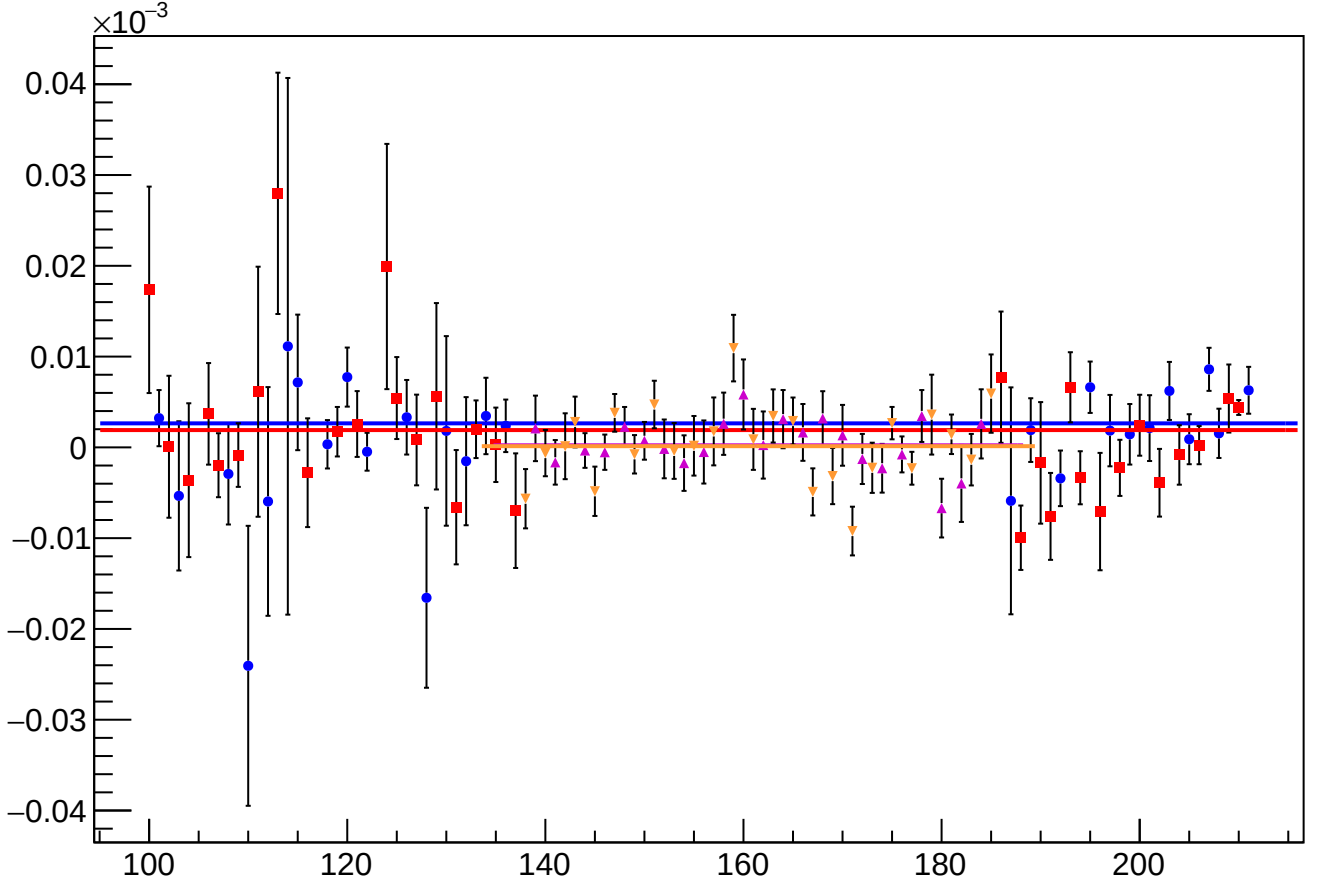
Right Out: 48.201+/-0.009 χ^2/NDF: 3602888.7/32

Left In: 40.881+/-0.007 χ^2/NDF:2678327.2/22

+ sign 44.313+/-0.006 χ^2/NDF: 5744628.1/52

All: 44.068+/-0.004 χ^2/NDF: 12437194.2/108

- sign 43.824+/-0.006 χ^2/NDF: 6688786.7/55



Right In: 0.000+/-0.000 χ^2/NDF: 32.2/27

Left Out: 0.000+/-0.000 χ^2/NDF:49.9/24

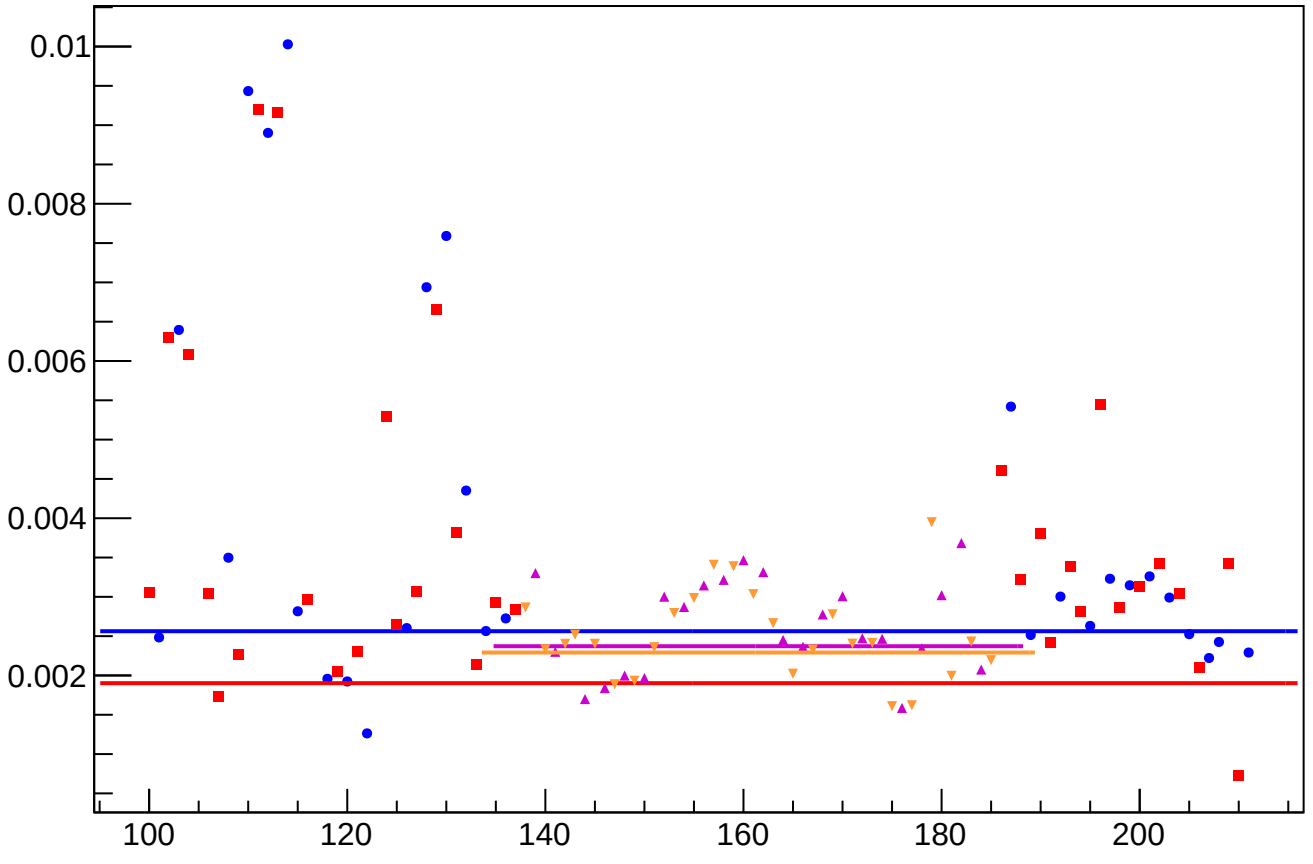
Right Out: 0.000+/-0.000 χ^2/NDF: 53.7/32

Left In: 0.000+/-0.000 χ^2/NDF:15.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 90.6/52

All: 0.000+/-0.000 χ^2/NDF: 164.6/108

- sign 0.000+/-0.000 χ^2/NDF: 74.0/55



Right In: 0.003+/-0.000 χ^2/NDF: 3917221.3/27

Left Out: 0.002+/-0.000 χ^2/NDF:1818891.6/24

Right Out: 0.002+/-0.000 χ^2/NDF: 10925816.0/32

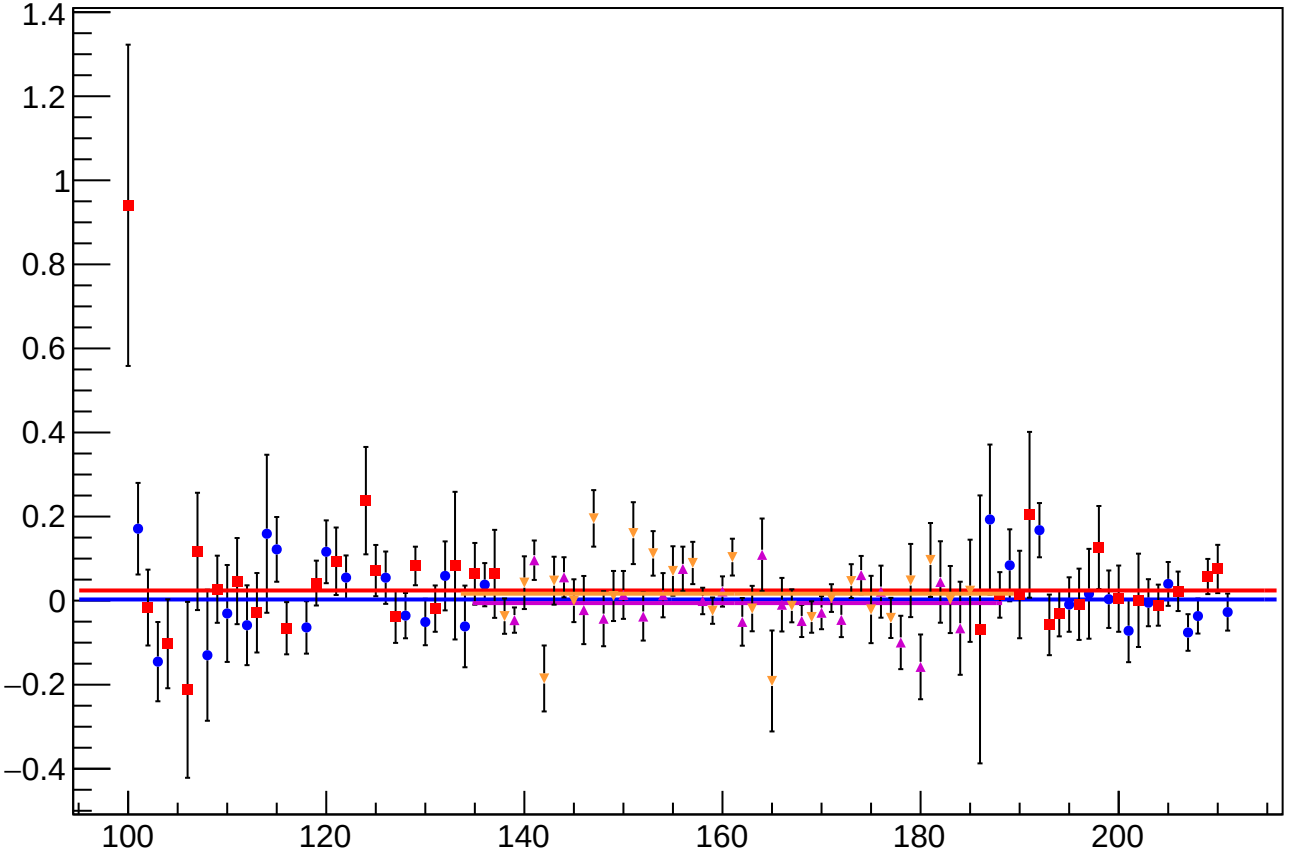
Left In: 0.002+/-0.000 χ^2/NDF:2020314.6/22

+ sign 0.002+/-0.000 χ^2/NDF: 5932012.4/52

All: 0.002+/-0.000 χ^2/NDF: 20008486.3/108

- sign 0.002+/-0.000 χ^2/NDF: 13641427.3/55

asym_sam_3726_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.003+/-0.012 χ^2/NDF: 31.8/27

Left Out: 0.016+/-0.010 χ^2/NDF:41.1/24

Right Out: 0.024+/-0.013 χ^2/NDF: 26.2/32

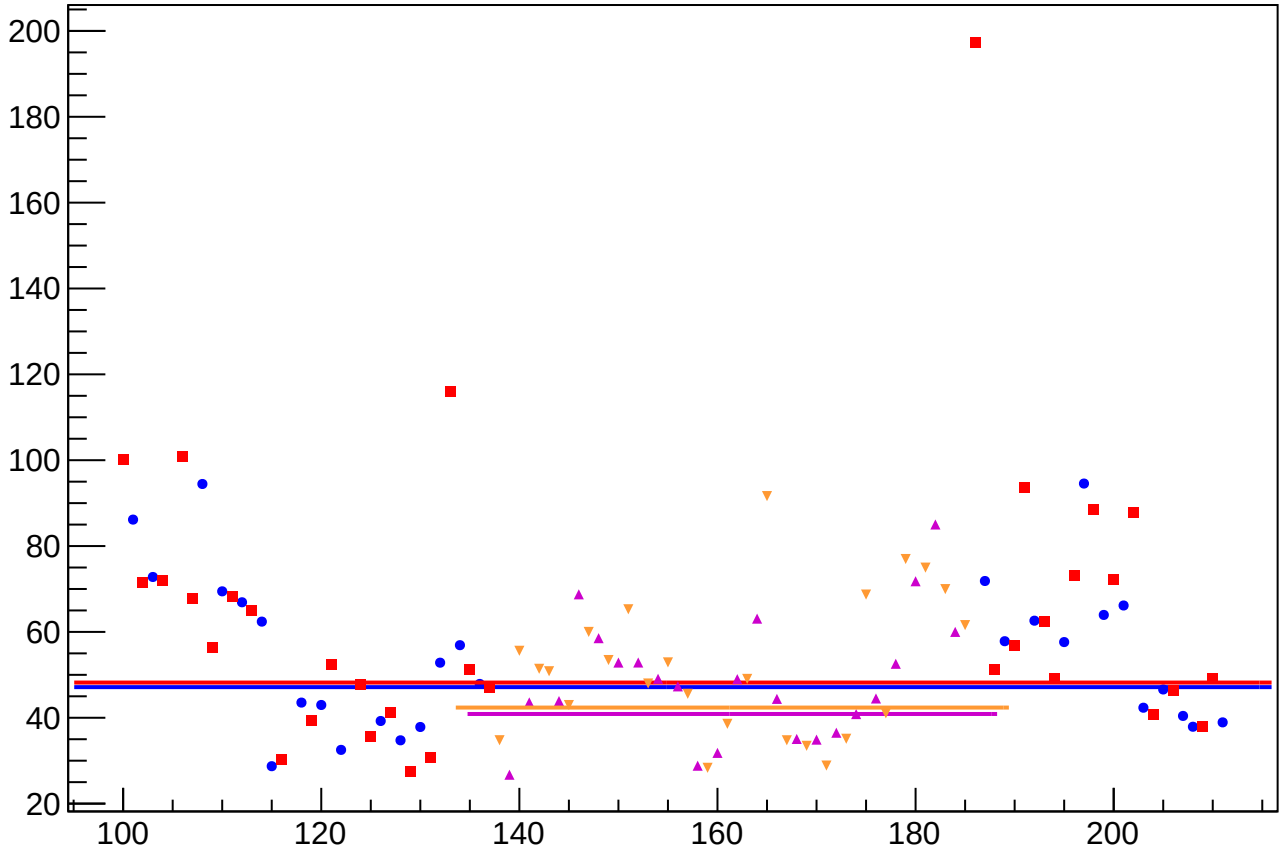
Left In: -0.006+/-0.010 χ^2/NDF:26.0/22

+ sign 0.011+/-0.008 χ^2/NDF: 73.6/52

All: 0.009+/-0.006 χ^2/NDF: 129.4/108

- sign 0.006+/-0.008 χ^2/NDF: 55.6/55

asym_sam_3726_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 47.135+/-0.009 χ^2/NDF: 2381297.8/27

Left Out: 42.375+/-0.007 χ^2/NDF:3190999.9/24

Right Out: 48.201+/-0.009 χ^2/NDF: 3602800.9/32

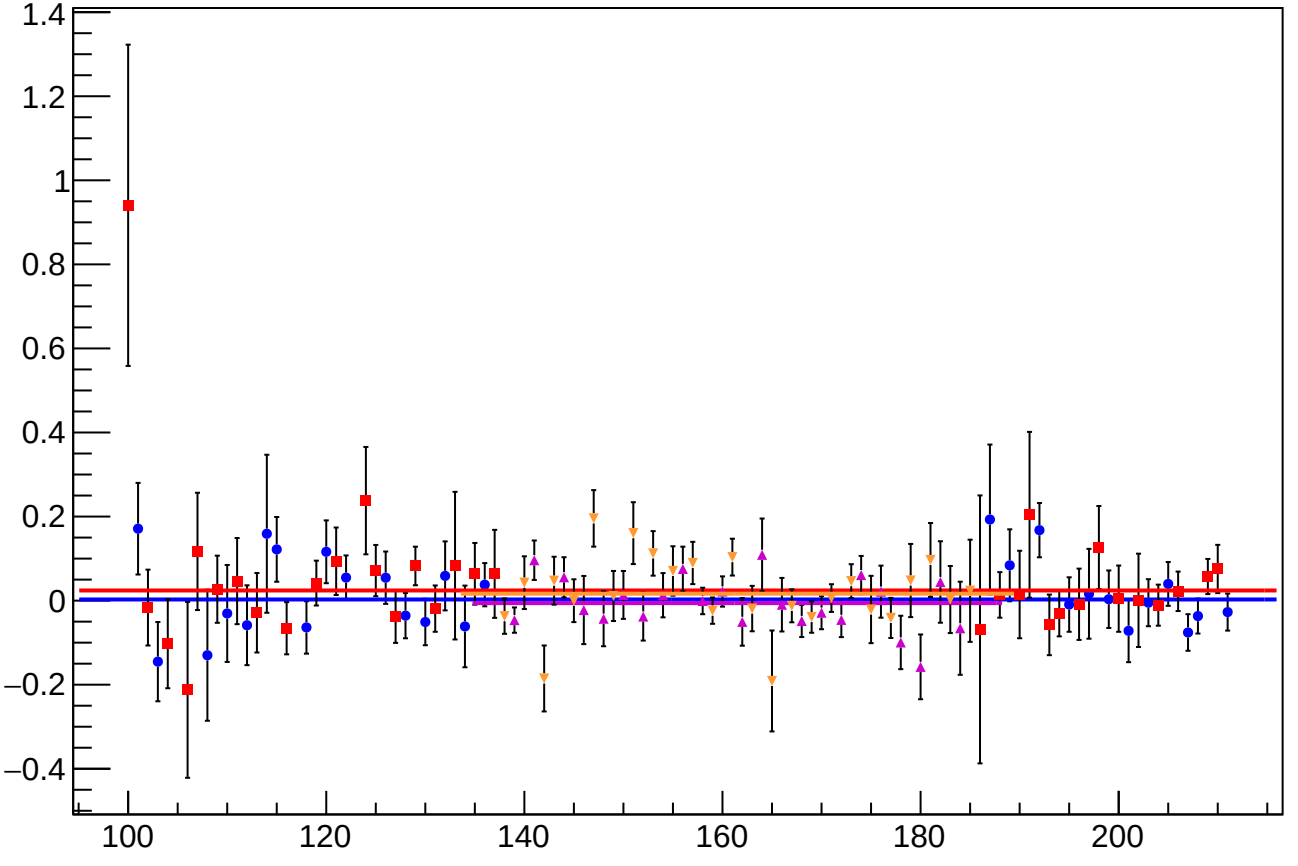
Left In: 40.881+/-0.007 χ^2/NDF:2678344.3/22

+ sign 44.313+/-0.006 χ^2/NDF: 5744585.8/52

All: 44.068+/-0.004 χ^2/NDF: 12437056.0/108

- sign 43.824+/-0.006 χ^2/NDF: 6688692.7/55

asym_sam_3726_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.003+/-0.012 χ^2/NDF: 31.8/27

Left Out: 0.016+/-0.010 χ^2/NDF:41.1/24

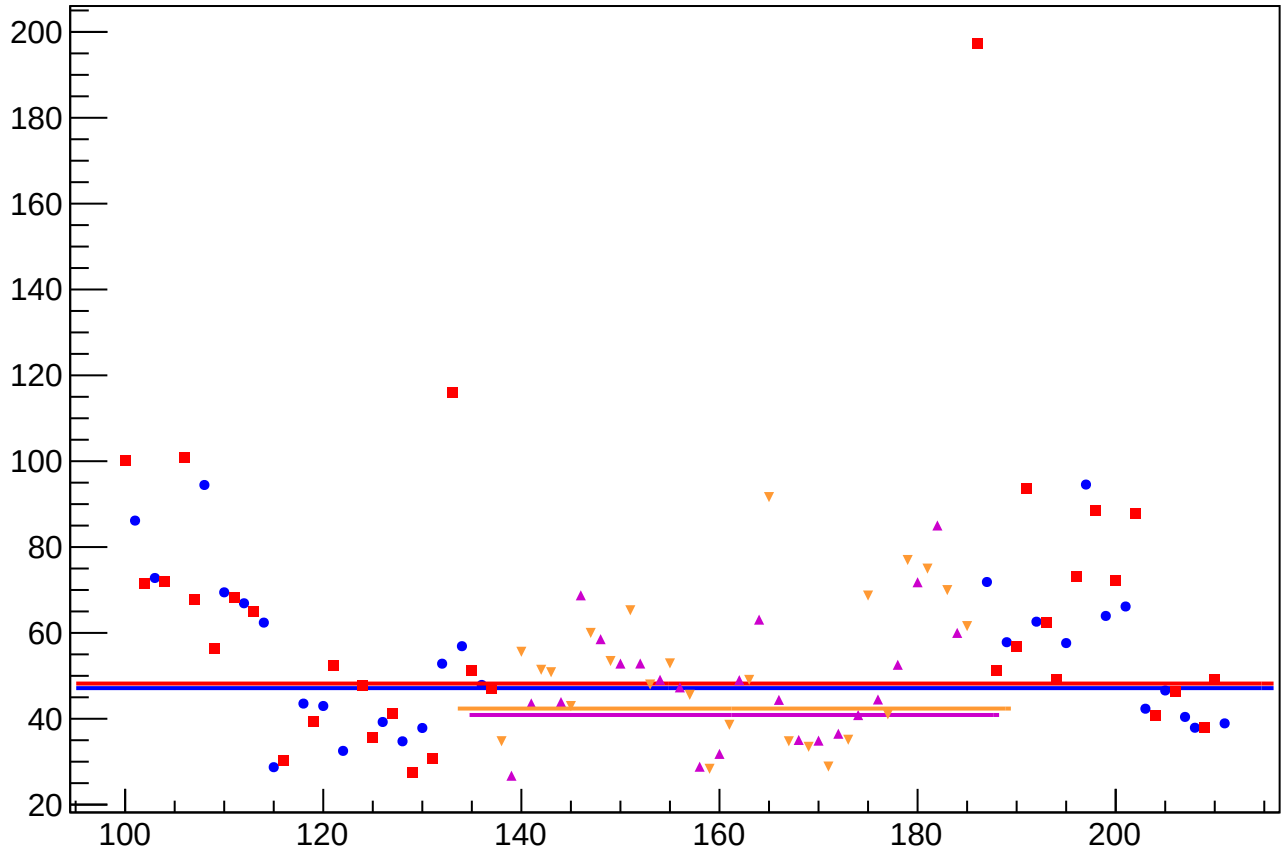
Right Out: 0.024+/-0.013 χ^2/NDF: 26.2/32

Left In: -0.006+/-0.010 χ^2/NDF:26.0/22

+ sign 0.011+/-0.008 χ^2/NDF: 73.6/52

All: 0.009+/-0.006 χ^2/NDF: 129.4/108

- sign 0.006+/-0.008 χ^2/NDF: 55.6/55



Right In: 47.135+/-0.009 χ^2/NDF: 2381297.8/27

Left Out: 42.375+/-0.007 χ^2/NDF:3190999.9/24

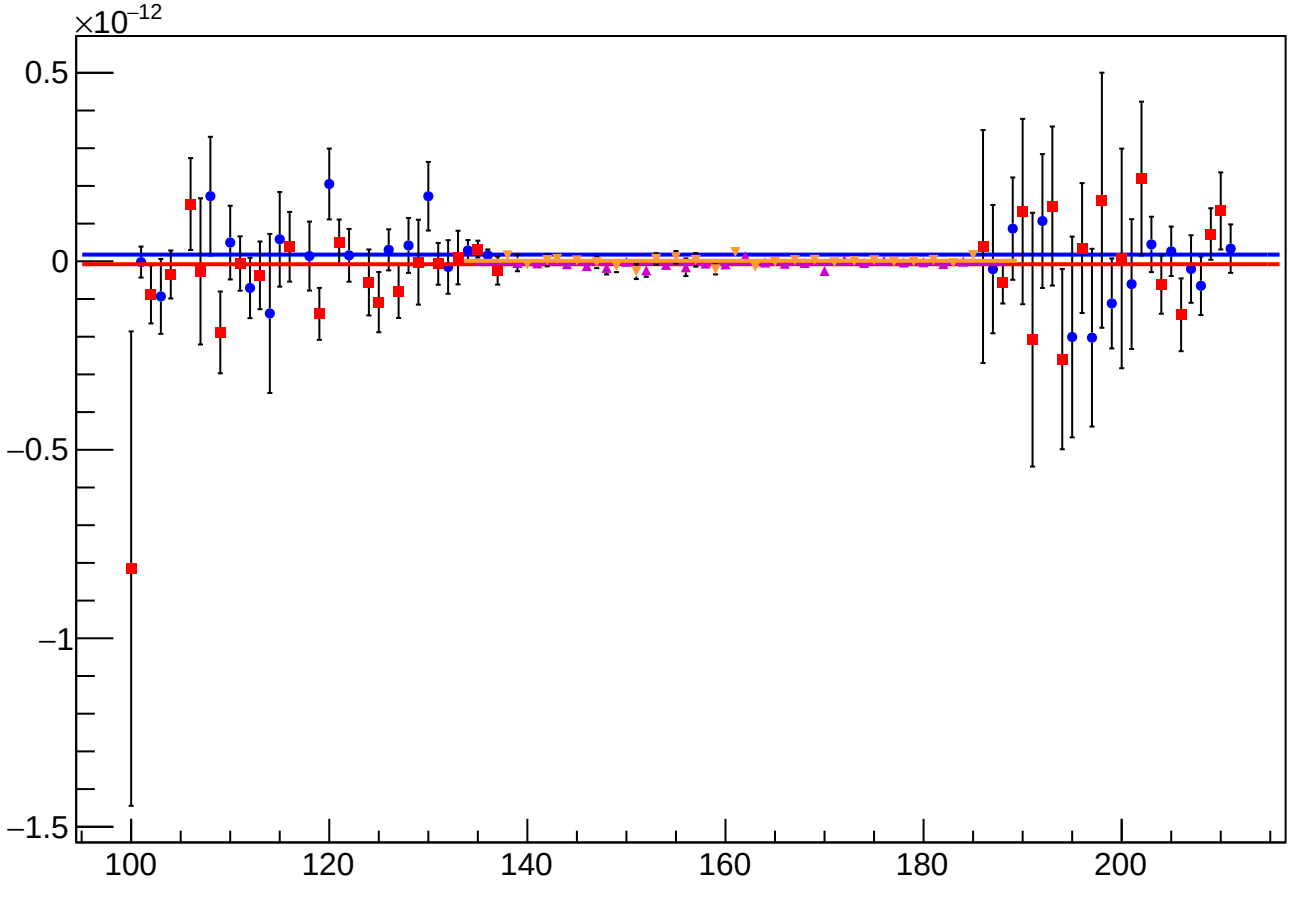
Right Out: 48.201+/-0.009 χ^2/NDF: 3602800.9/32

Left In: 40.881+/-0.007 χ^2/NDF:2678344.3/22

+ sign 44.313+/-0.006 χ^2/NDF: 5744585.8/52

All: 44.068+/-0.004 χ^2/NDF: 12437056.0/108

- sign 43.824+/-0.006 χ^2/NDF: 6688692.7/55



Right In: 0.000+/-0.000 χ^2/NDF: 16.9/27

Left Out: 0.000+/-0.000 χ^2/NDF:19.7/24

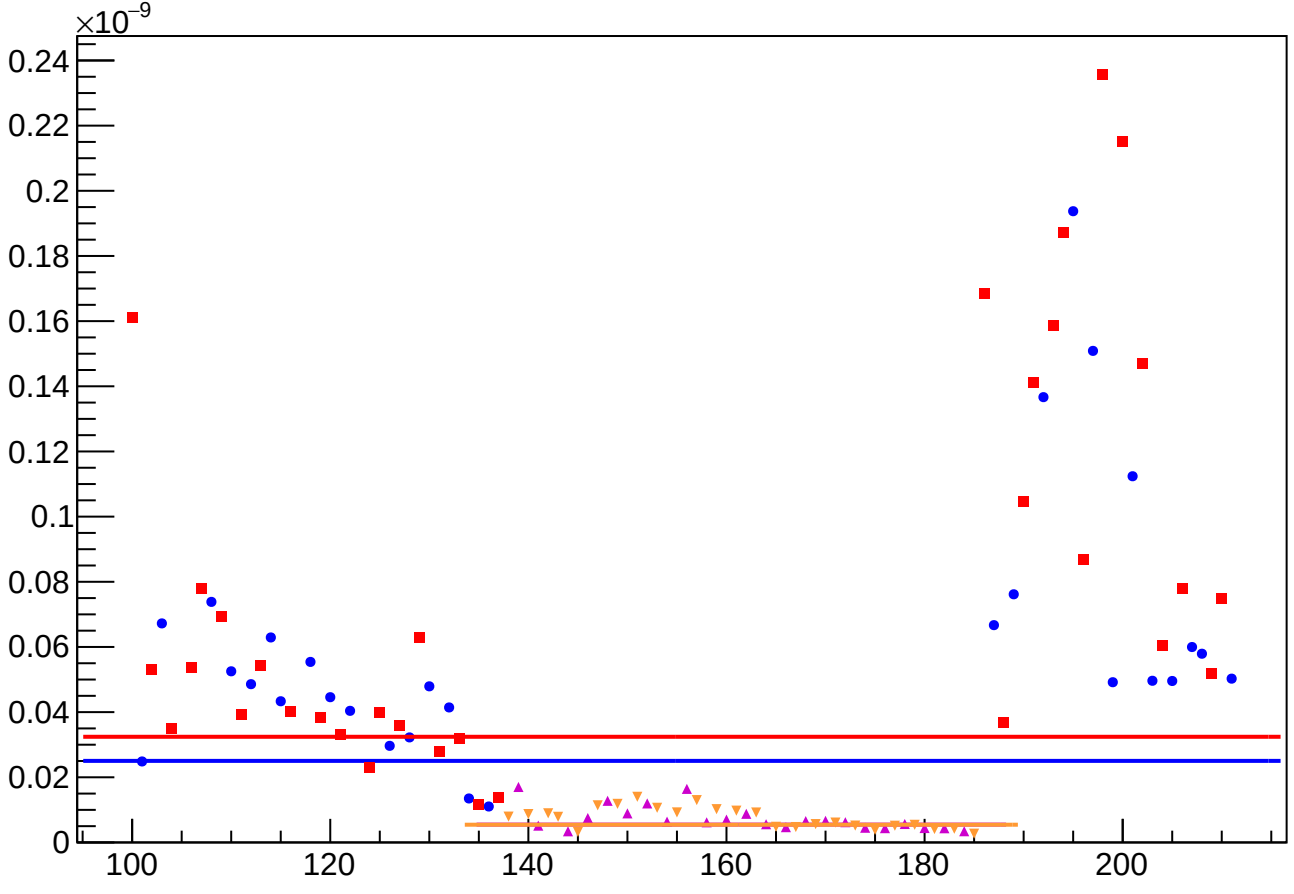
Right Out: -0.000+/-0.000 χ^2/NDF: 29.2/32

Left In: -0.000+/-0.000 χ^2/NDF:13.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 38.9/52

All: -0.000+/-0.000 χ^2/NDF: 89.5/108

- sign -0.000+/-0.000 χ^2/NDF: 42.4/55



Right In: 0.000+/-0.000 χ^2/NDF: 8346065.1/27

Left Out: 0.000+/-0.000 χ^2/NDF:3789045.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9098250.9/32

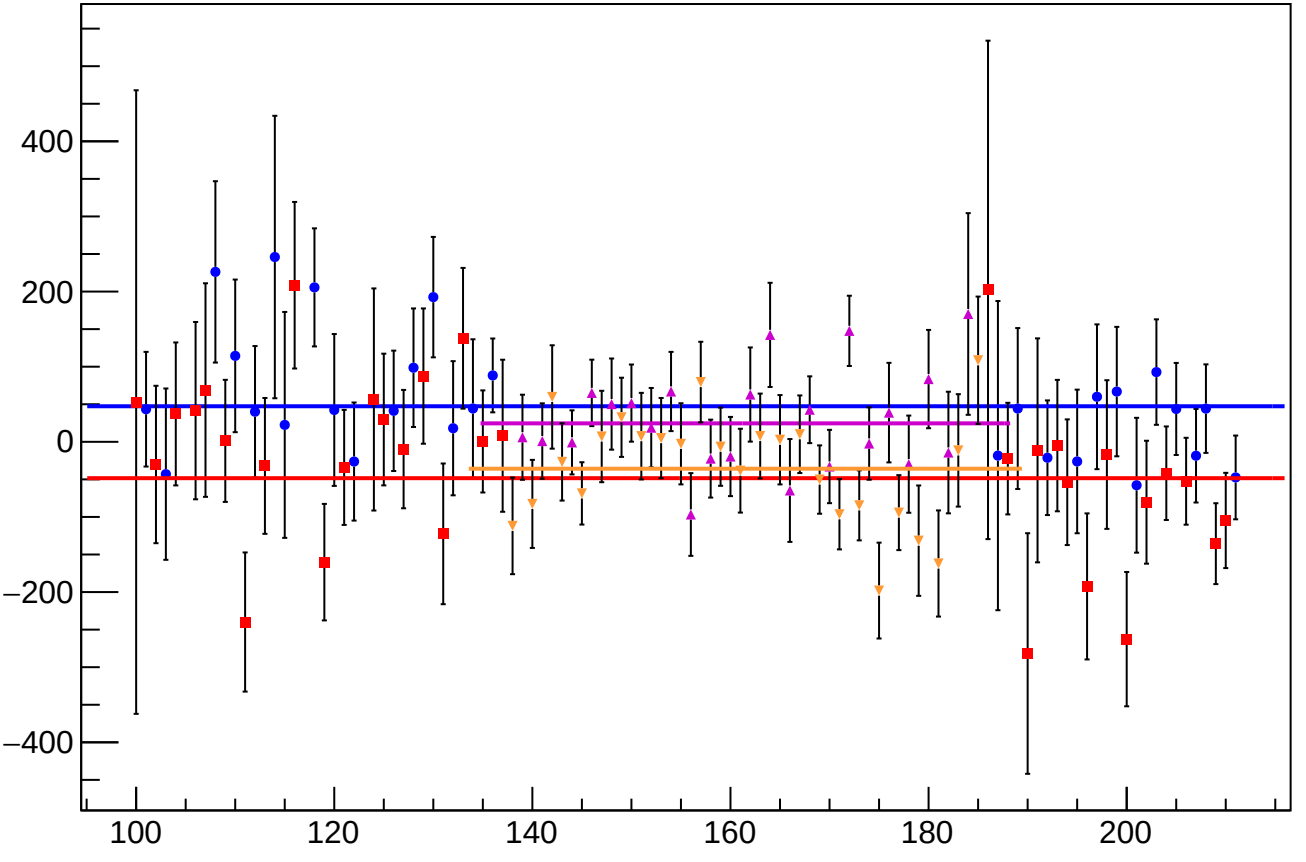
Left In: 0.000+/-0.000 χ^2/NDF:2801443.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 19013301.2/52

All: 0.000+/-0.000 χ^2/NDF: 40017591.8/108

- sign 0.000+/-0.000 χ^2/NDF: 21003545.1/55

reg_asym_sam_15_48_dd_mean vs Slug



Right In: 47.340+/-15.314 χ^2/NDF: 21.2/27

Left Out: -35.787+/-11.119 χ^2/NDF:33.7/24

Right Out: -48.401+/-15.213 χ^2/NDF: 38.3/32

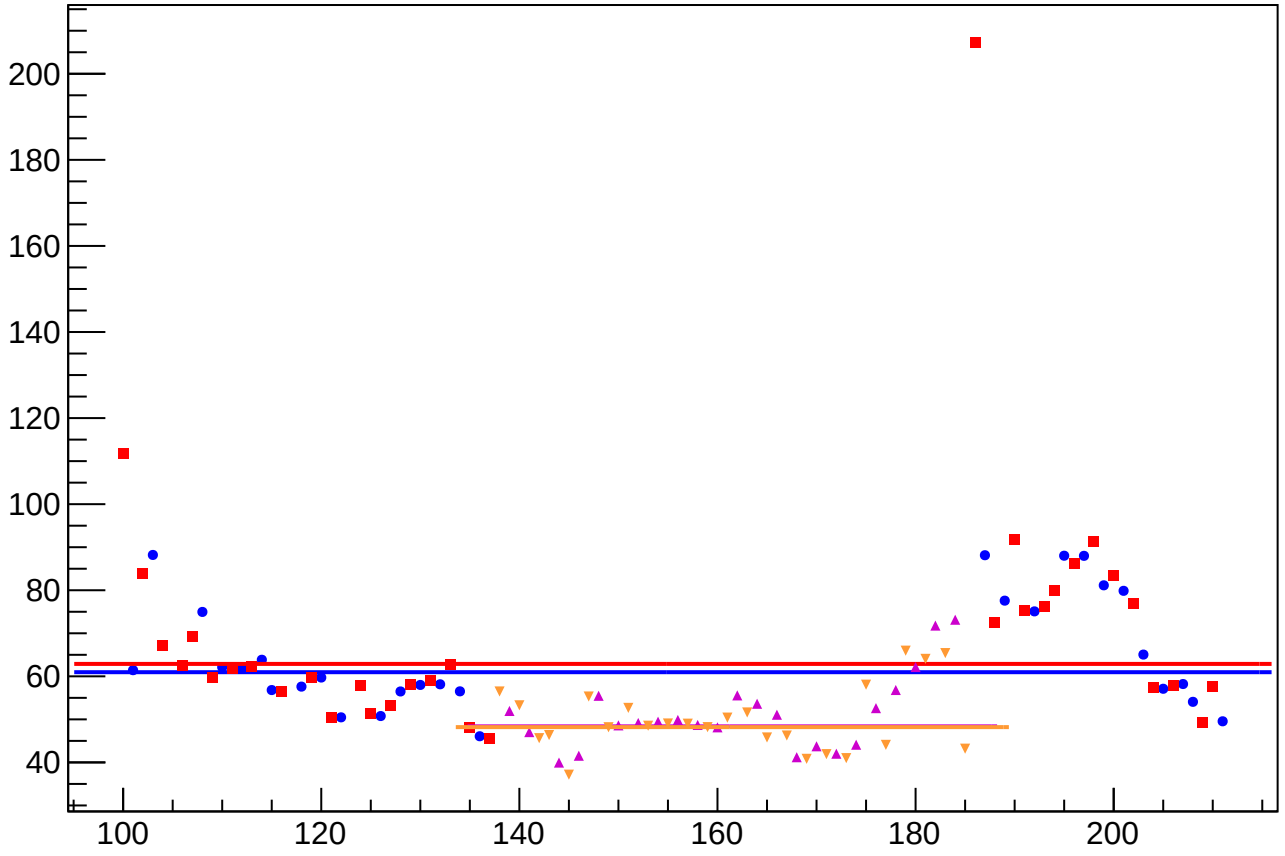
Left In: 24.572+/-11.471 χ^2/NDF:25.7/22

+ sign -7.090+/-8.998 χ^2/NDF: 74.2/52

All: -4.531+/-6.419 χ^2/NDF: 153.1/108

- sign -1.880+/-9.159 χ^2/NDF: 78.7/55

reg_asym_sam_15_48_dd_rms vs Slug



Right In: 60.960+/-0.011 χ^2/NDF: 1212315.1/27

Left Out: 48.198+/-0.008 χ^2/NDF:780285.2/24

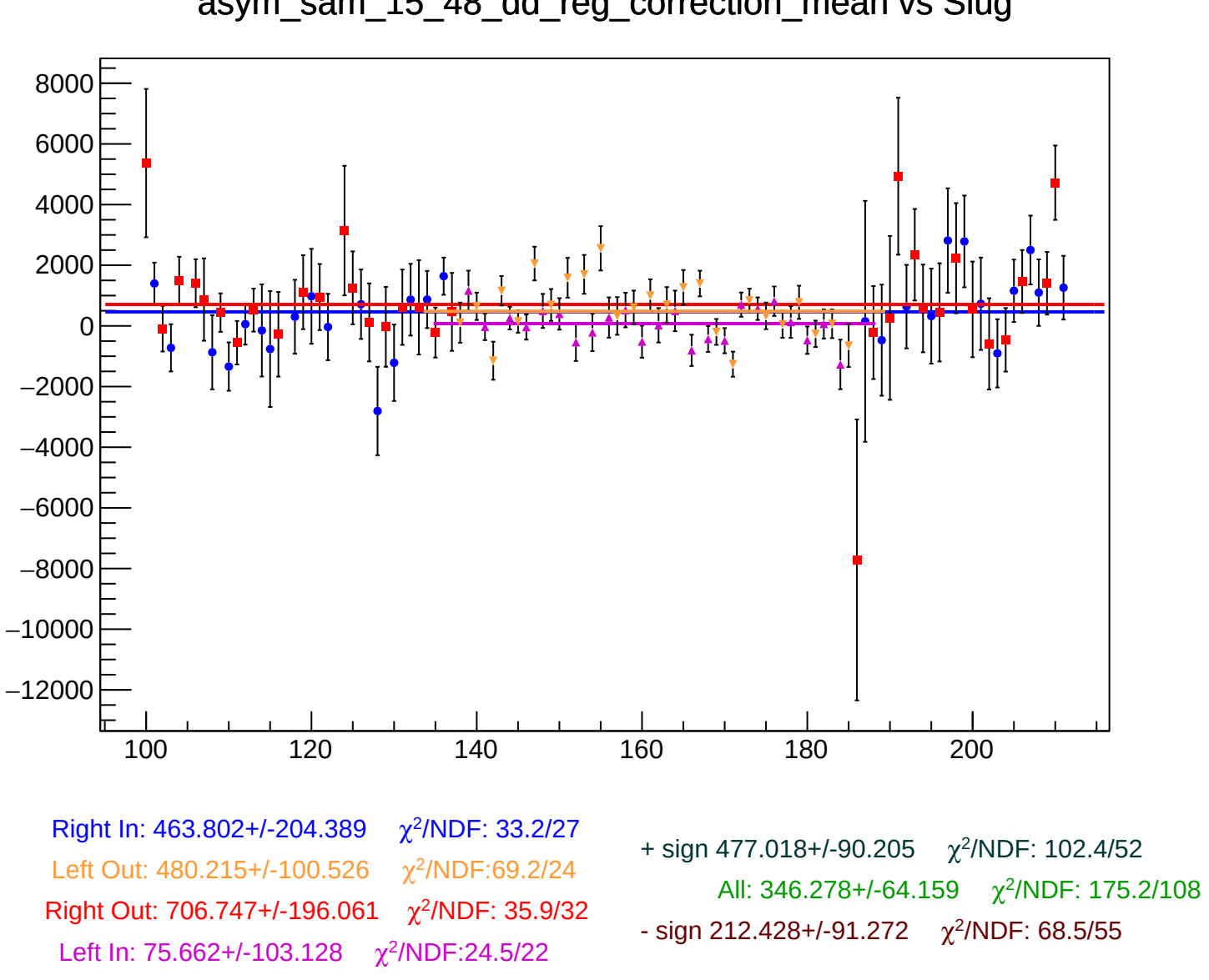
Right Out: 62.885+/-0.011 χ^2/NDF: 1648371.9/32

Left In: 48.381+/-0.008 χ^2/NDF:695381.8/22

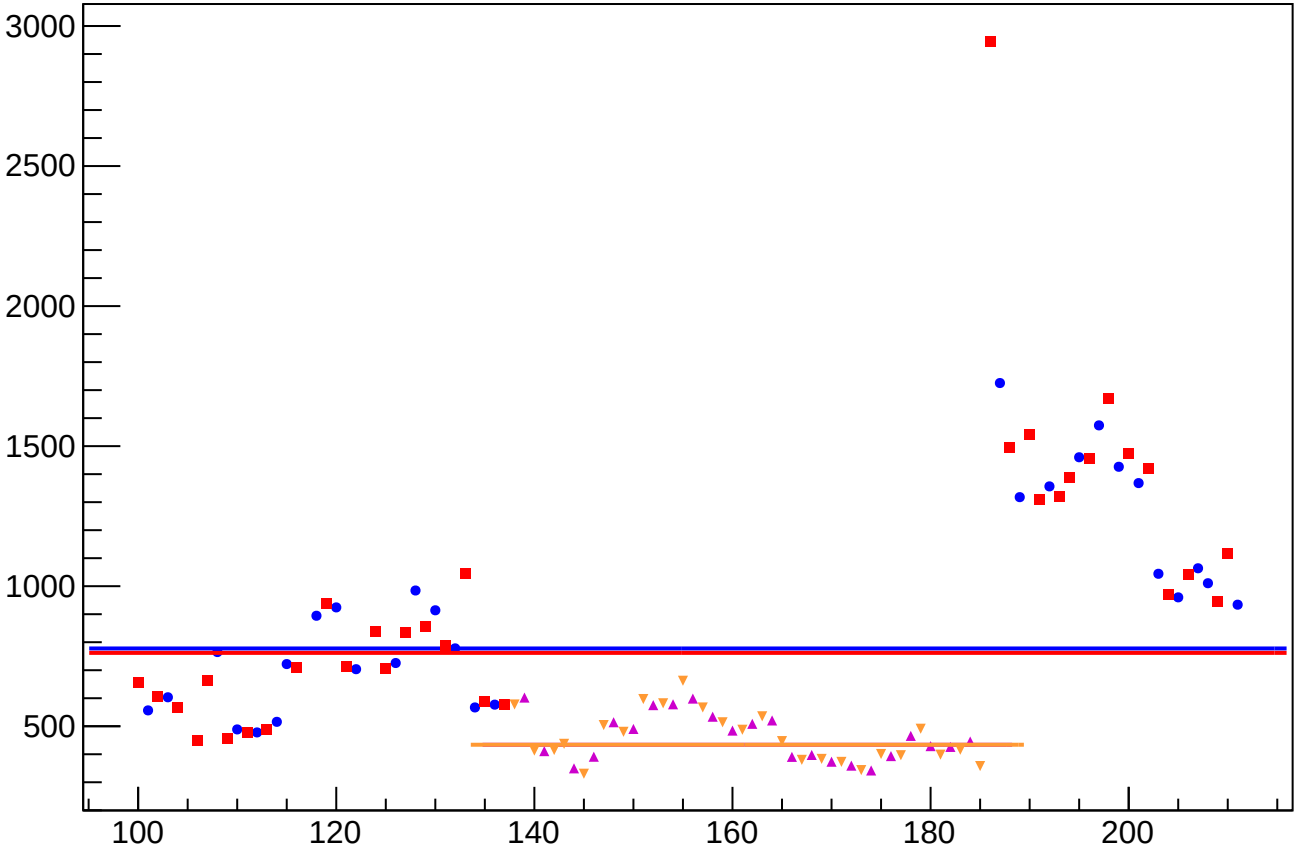
+ sign 52.604+/-0.006 χ^2/NDF: 2901979.9/52

All: 53.112+/-0.005 χ^2/NDF: 6417867.5/108

- sign 53.638+/-0.006 χ^2/NDF: 3502899.9/55


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
Right In: 463.802+/-204.389 χ²/NDF: 33.2/27
Left Out: 480.215+/-100.526 χ²/NDF:69.2/24
Right Out: 706.747+/-196.061 χ²/NDF: 35.9/32
Left In: 75.662+/-103.128 χ²/NDF:24.5/22
+ sign 477.018+/-90.205 χ²/NDF: 102.4/52
All: 346.278+/-64.159 χ²/NDF: 175.2/108
- sign 212.428+/-91.272 χ²/NDF: 68.5/55

asym_sam_15_48_dd_reg_correction_rms vs Slug



Right In: 777.644+/-0.145 χ^2/NDF: 4006510.7/27

Left Out: 433.945+/-0.071 χ^2/NDF:1243704.6/24

Right Out: 761.908+/-0.139 χ^2/NDF: 5804523.7/32

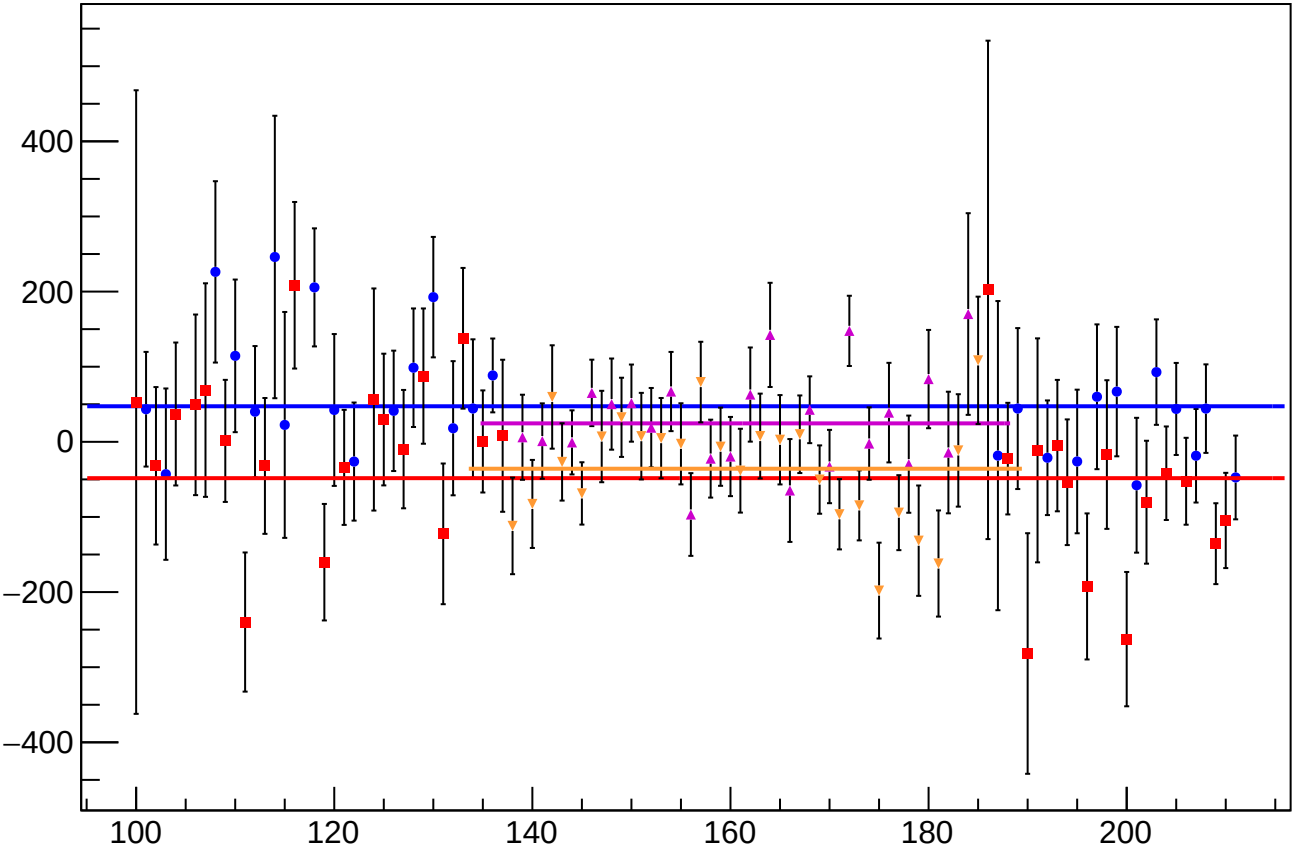
Left In: 433.722+/-0.073 χ^2/NDF:1094788.8/22

+ sign 500.892+/-0.064 χ^2/NDF: 9804134.4/52

All: 502.845+/-0.045 χ^2/NDF: 21094757.7/10

- sign 504.845+/-0.065 χ^2/NDF: 11288725.6/55

cor_asym_sam_15_48_dd_mean vs Slug



Right In: 47.343+/-15.314 χ^2/NDF: 21.2/27

Left Out: -35.792+/-11.119 χ^2/NDF:33.7/24

Right Out: -48.367+/-15.217 χ^2/NDF: 38.4/32

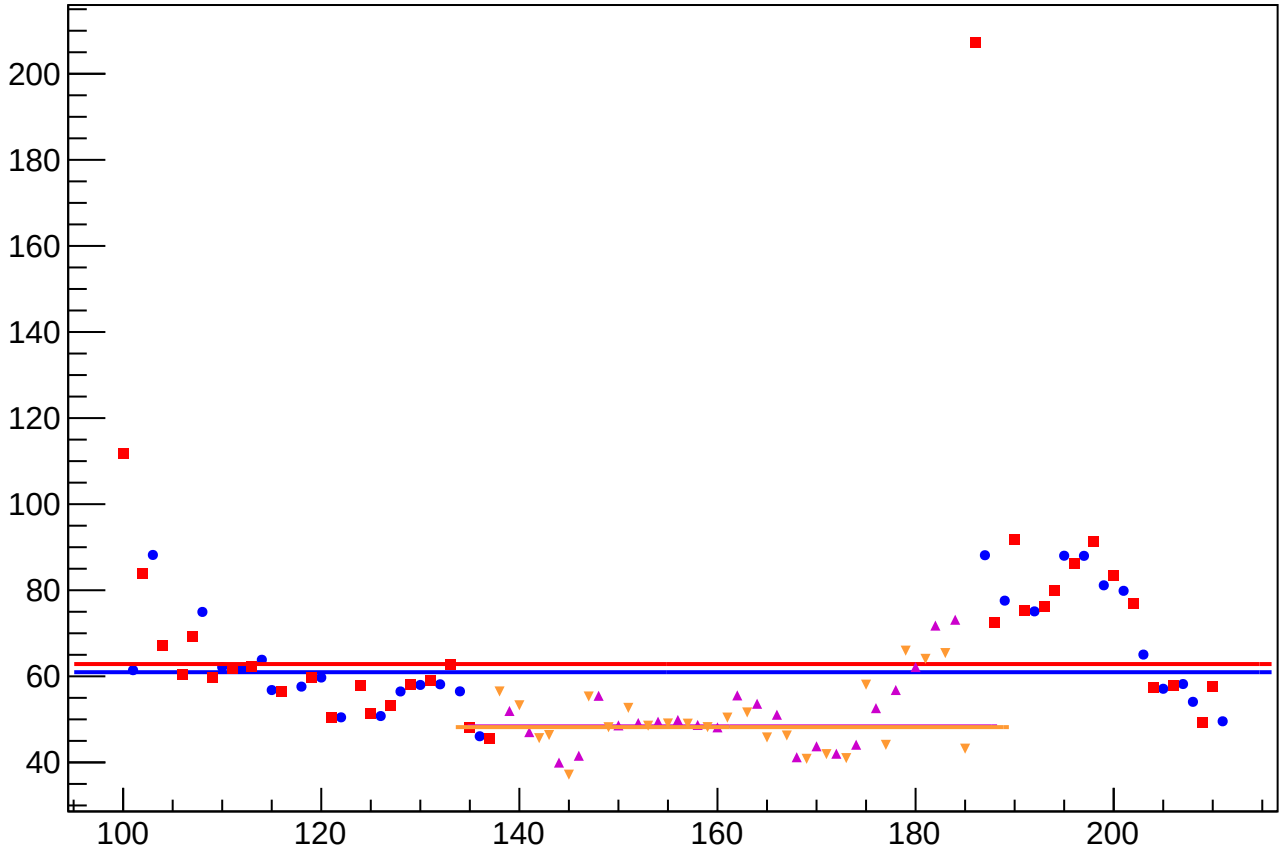
Left In: 24.573+/-11.471 χ^2/NDF:25.7/22

\+ sign -7.093+/-8.998 χ^2/NDF: 74.2/52

All: -4.521+/-6.419 χ^2/NDF: 153.2/108

\- sign -1.856+/-9.160 χ^2/NDF: 78.8/55

cor_asym_sam_15_48_dd_rms vs Slug



Right In: 60.960+/-0.011 χ^2/NDF: 1212318.6/27

Left Out: 48.198+/-0.008 χ^2/NDF:780285.2/24

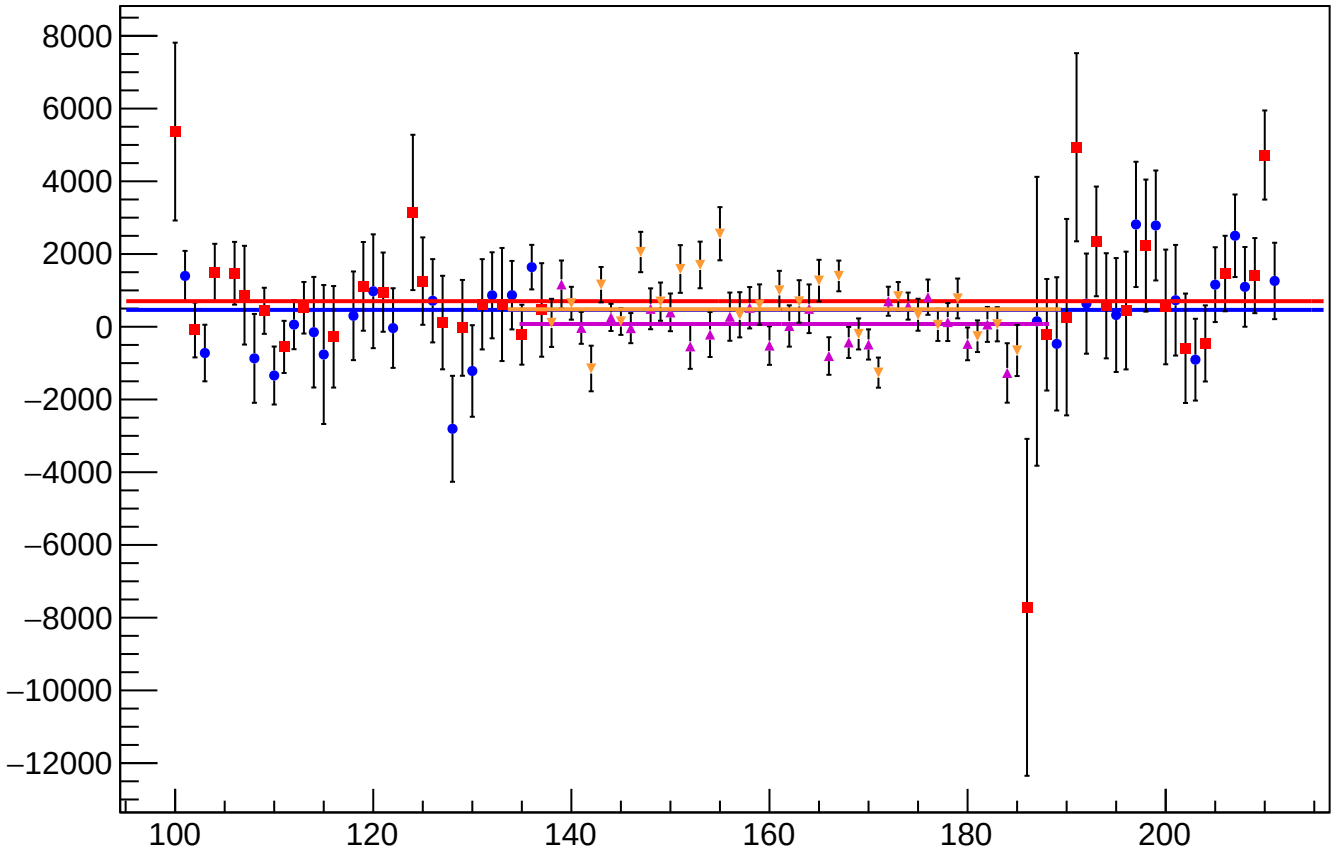
Right Out: 62.853+/-0.011 χ^2/NDF: 1649387.1/32

Left In: 48.381+/-0.008 χ^2/NDF:695381.8/22

+ sign 52.604+/-0.006 χ^2/NDF: 2901983.8/52

All: 53.105+/-0.005 χ^2/NDF: 6412965.3/108

- sign 53.625+/-0.006 χ^2/NDF: 3498337.1/55



Right In: 463.831+/-204.390 χ^2/NDF: 33.2/27

Left Out: 480.210+/-100.526 χ^2/NDF:69.2/24

Right Out: 703.417+/-197.030 χ^2/NDF: 35.9/32

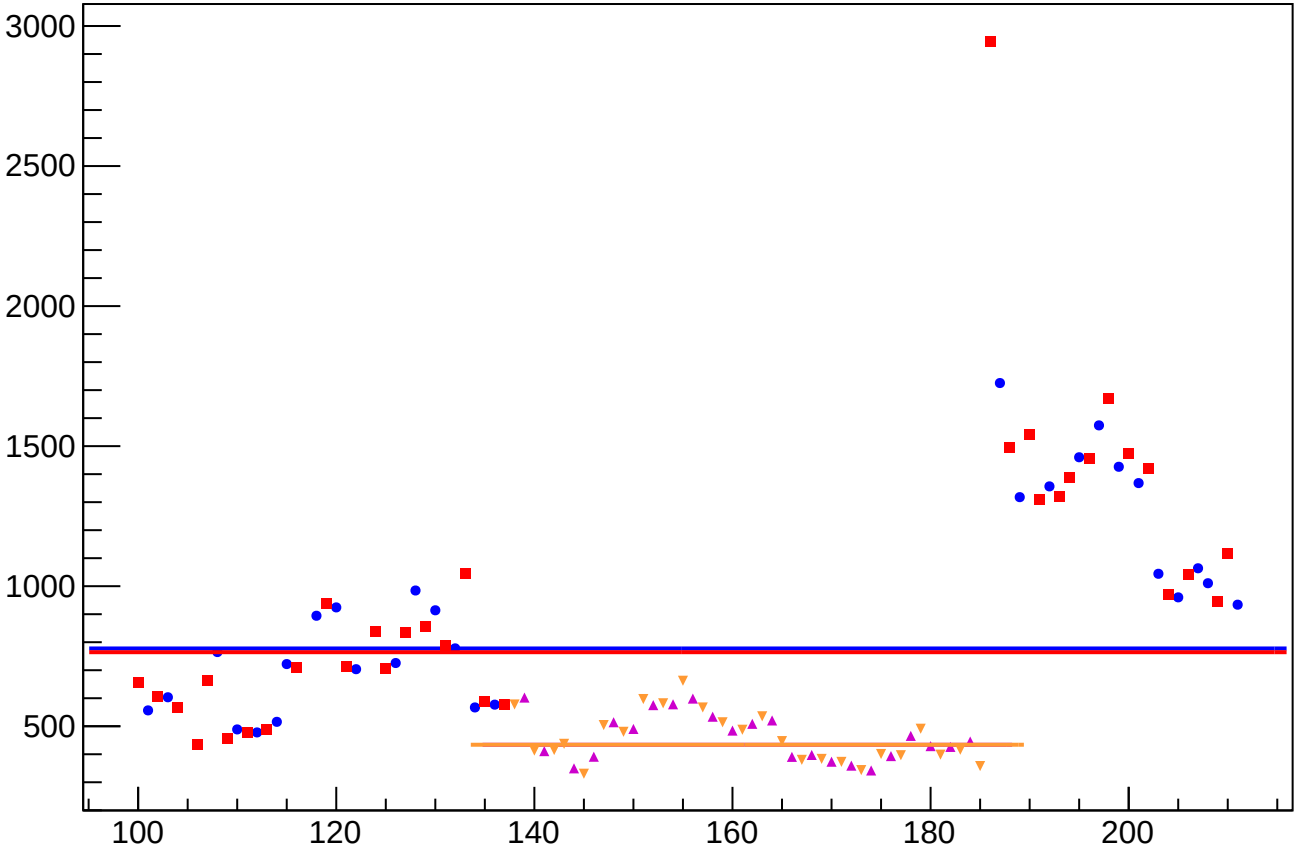
Left In: 75.665+/-103.128 χ^2/NDF:24.5/22

+ sign 477.020+/-90.206 χ^2/NDF: 102.4/52

All: 345.548+/-64.192 χ^2/NDF: 175.1/108

- sign 210.662+/-91.369 χ^2/NDF: 68.3/55

asym_sam_15_48_dd_cor_correction_rms vs Slug



Right In: 777.649+/-0.145 χ^2/NDF: 4006443.3/27

Left Out: 433.945+/-0.071 χ^2/NDF:1243702.1/24

Right Out: 764.342+/-0.139 χ^2/NDF: 5776516.3/32

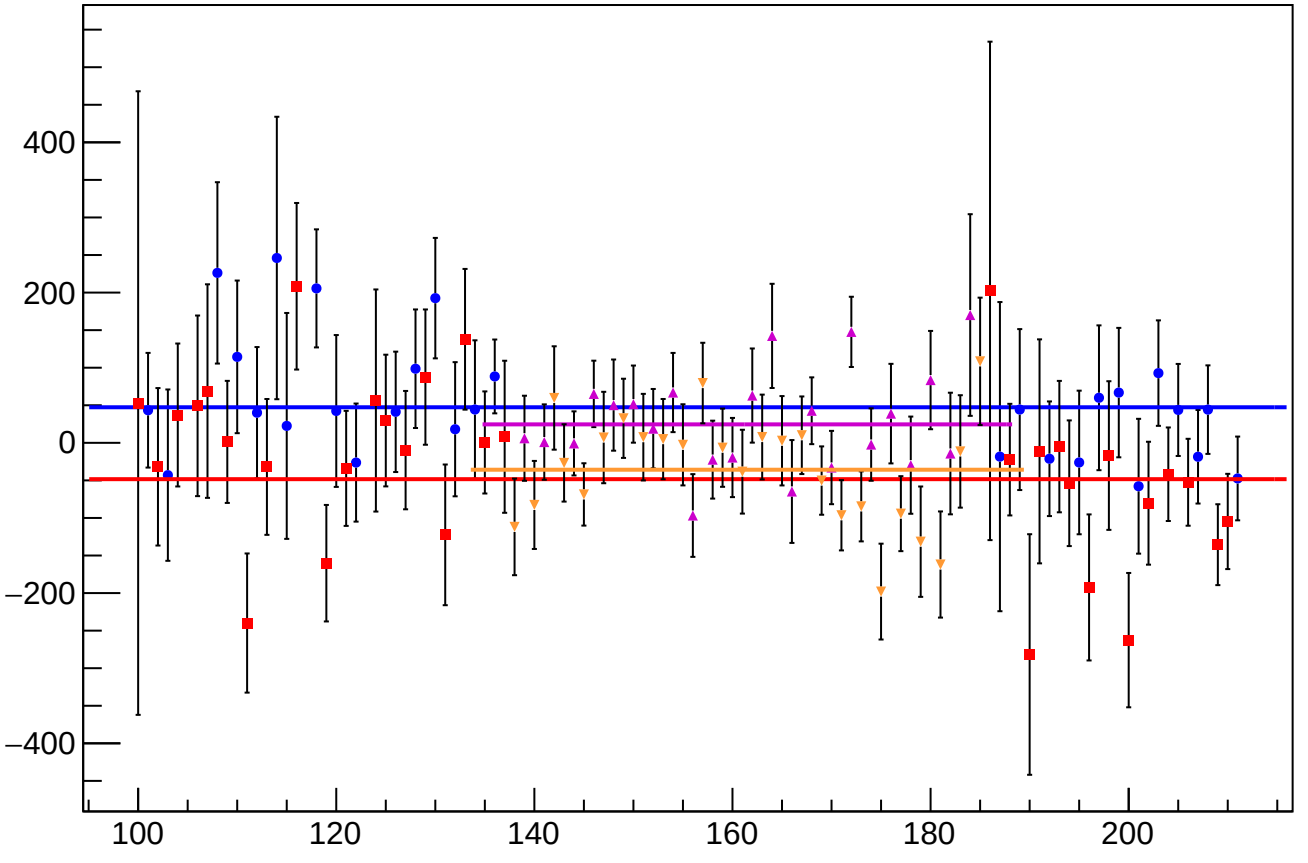
Left In: 433.722+/-0.073 χ^2/NDF:1094788.4/22

+ sign 500.892+/-0.064 χ^2/NDF: 9804158.3/52

All: 502.832+/-0.045 χ^2/NDF: 21097801.6/10

- sign 504.821+/-0.065 χ^2/NDF: 11291770.9/55

eigen_cor_asym_sam_15_48_dd_mean vs Slug



Right In: 47.343+/-15.314 χ^2/NDF: 21.2/27

Left Out: -35.792+/-11.119 χ^2/NDF:33.7/24

Right Out: -48.367+/-15.217 χ^2/NDF: 38.4/32

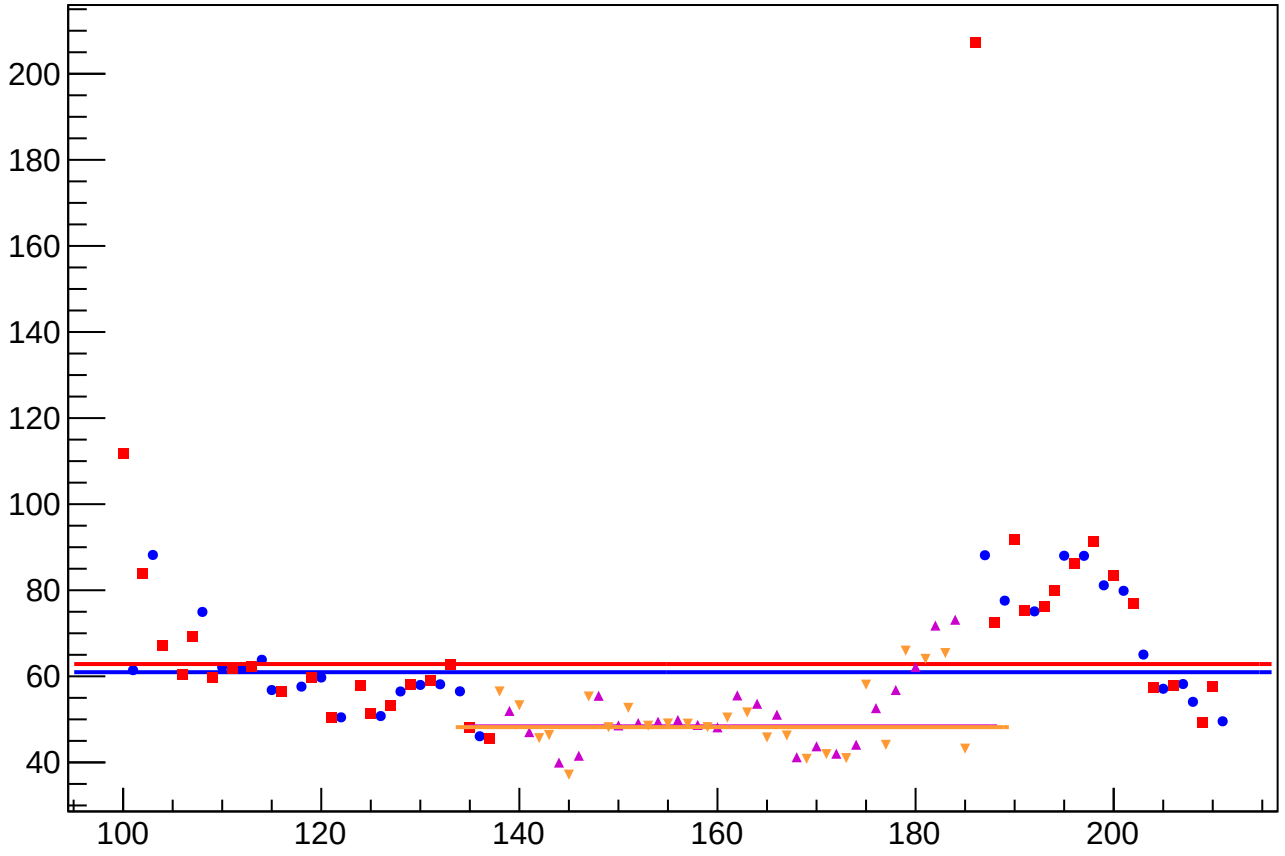
Left In: 24.573+/-11.471 χ^2/NDF:25.7/22

+ sign -7.093+/-8.998 χ^2/NDF: 74.2/52

All: -4.521+/-6.419 χ^2/NDF: 153.2/108

- sign -1.856+/-9.160 χ^2/NDF: 78.8/55

eigen_cor_asym_sam_15_48_dd_rms vs Slug



Right In: 60.960+/-0.011 χ^2/NDF: 1212318.6/27

Left Out: 48.198+/-0.008 χ^2/NDF:780285.2/24

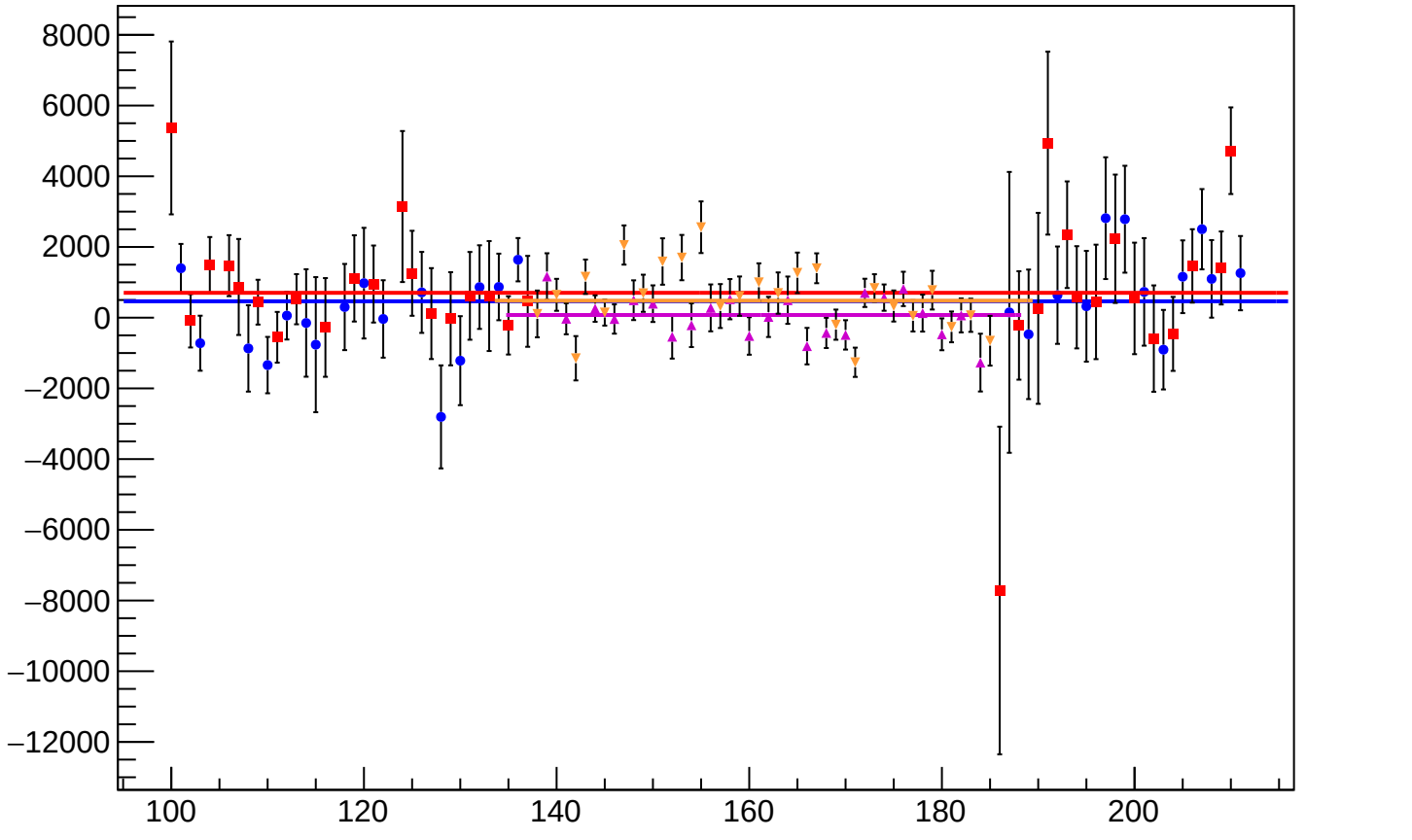
Right Out: 62.853+/-0.011 χ^2/NDF: 1649387.1/32

Left In: 48.381+/-0.008 χ^2/NDF:695381.8/22

+ sign 52.604+/-0.006 χ^2/NDF: 2901983.8/52

All: 53.105+/-0.005 χ^2/NDF: 6412965.3/108

- sign 53.625+/-0.006 χ^2/NDF: 3498337.1/55



Right In: 463.831+/-204.390 χ^2/NDF: 33.2/27

Left Out: 480.210+/-100.526 χ^2/NDF:69.2/24

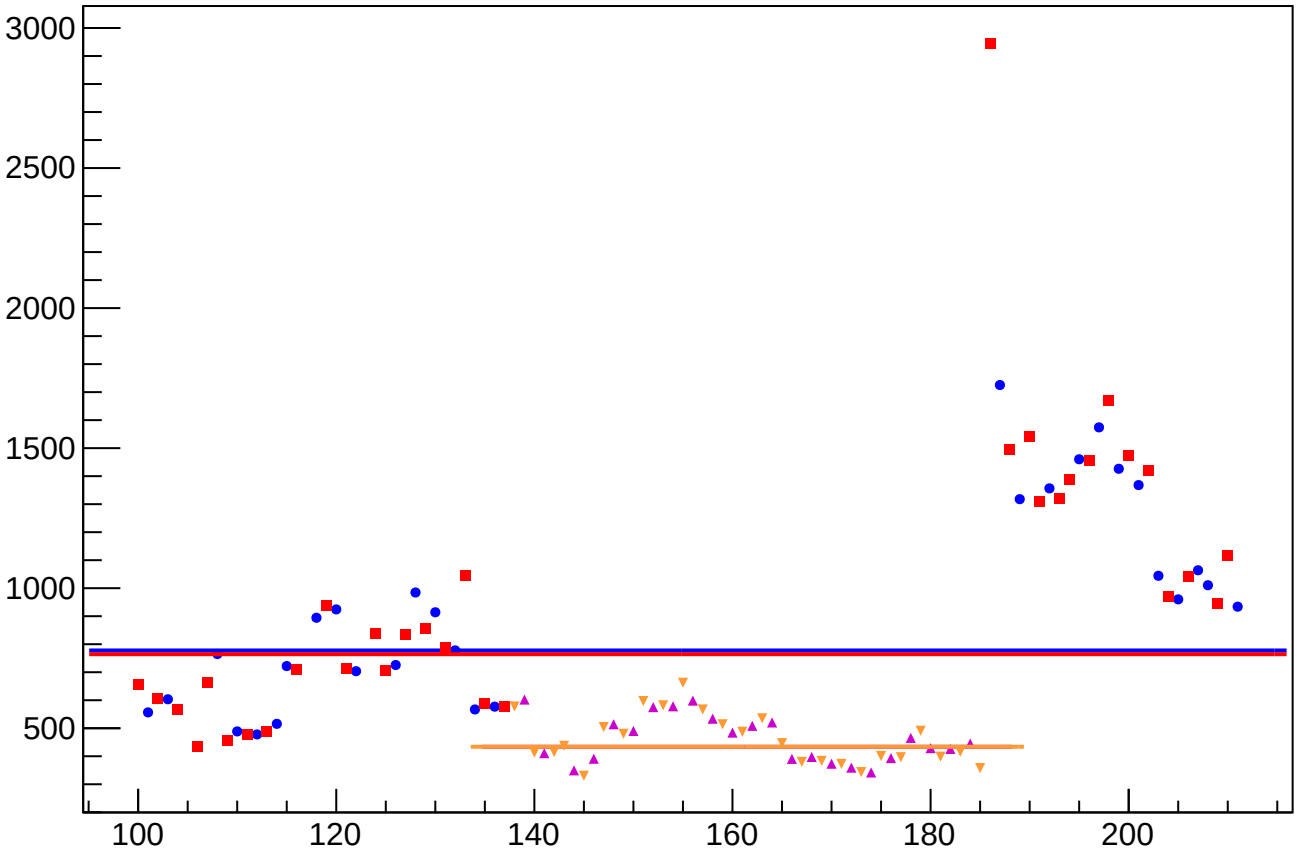
Right Out: 703.417+/-197.030 χ^2/NDF: 35.9/32

Left In: 75.665+/-103.128 χ^2/NDF:24.5/22

+ sign 477.020+/-90.206 χ^2/NDF: 102.4/52

All: 345.548+/-64.192 χ^2/NDF: 175.1/108

- sign 210.662+/-91.369 χ^2/NDF: 68.3/55



Right In: 777.649+/-0.145 χ^2/NDF: 4006443.3/27

Left Out: 433.945+/-0.071 χ^2/NDF:1243702.1/24

Right Out: 764.342+/-0.139 χ^2/NDF: 5776516.3/32

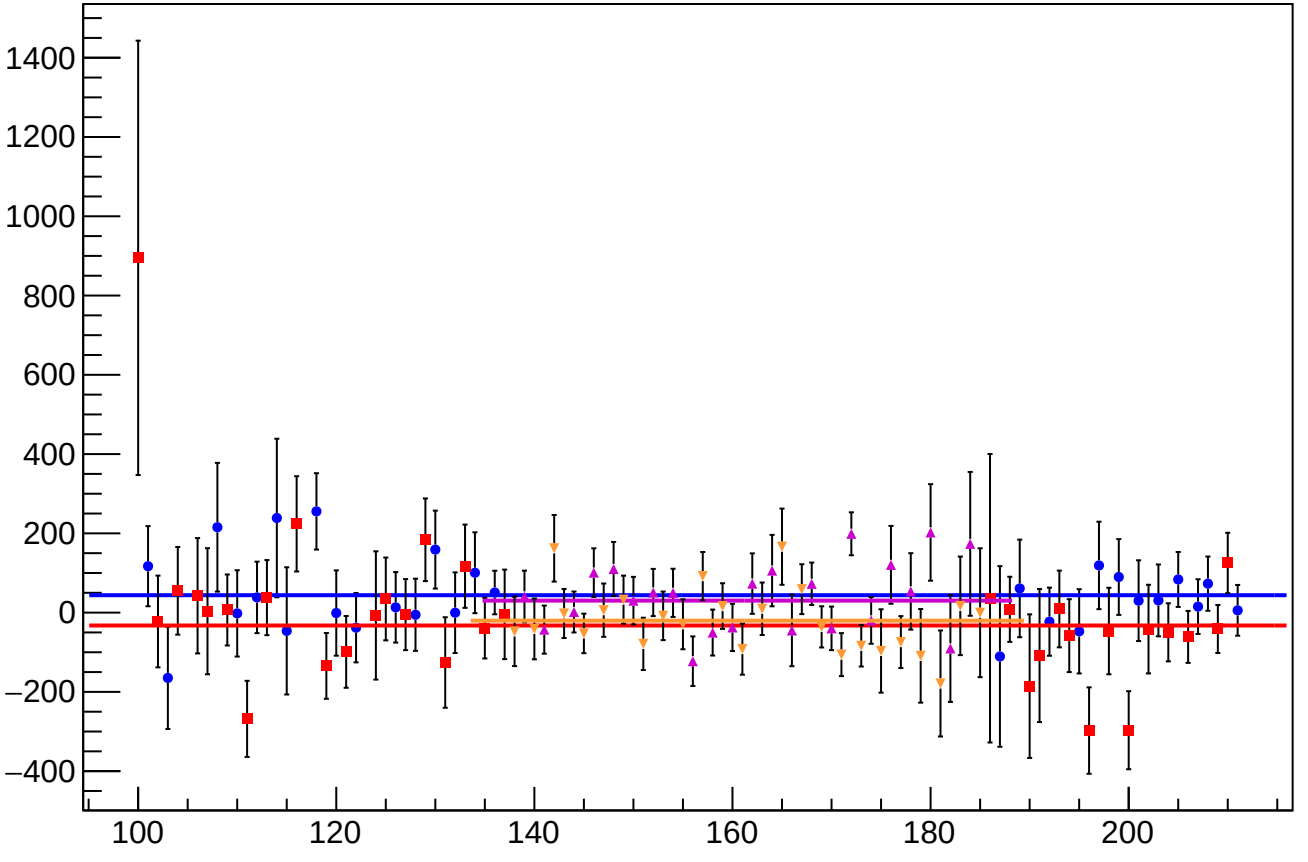
Left In: 433.722+/-0.073 χ^2/NDF:1094788.4/22

+ sign 500.892+/-0.064 χ^2/NDF: 9804158.3/52

All: 502.832+/-0.045 χ^2/NDF: 21097801.6/10

- sign 504.821+/-0.065 χ^2/NDF: 11291770.9/55

dit_asym_sam_15_48_dd_mean vs Slug



Right In: 43.933+/-17.511 χ^2/NDF: 17.5/27

Left Out: -20.270+/-13.636 χ^2/NDF:25.1/24

Right Out: -32.510+/-17.272 χ^2/NDF: 43.9/32

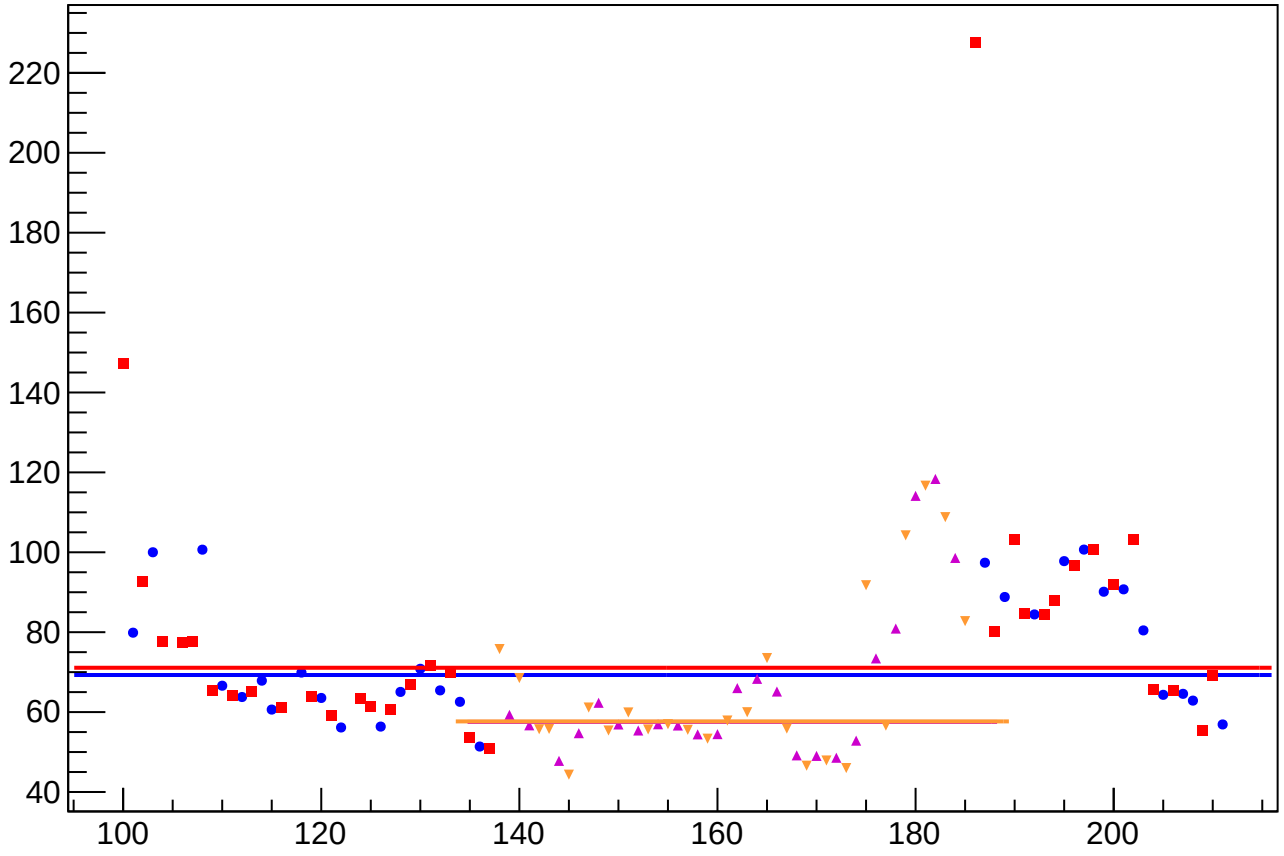
Left In: 30.318+/-13.979 χ^2/NDF:32.6/22

+ sign 3.966+/-10.759 χ^2/NDF: 51.0/52

All: 4.702+/-7.645 χ^2/NDF: 135.5/108

- sign 5.453+/-10.866 χ^2/NDF: 84.5/55

dit_asym_sam_15_48_dd_rms vs Slug



Right In: 69.283+/-0.012 χ^2/NDF: 1321608.0/27

Left Out: 57.668+/-0.010 χ^2/NDF:1909743.5/24

Right Out: 71.098+/-0.012 χ^2/NDF: 1679360.7/32

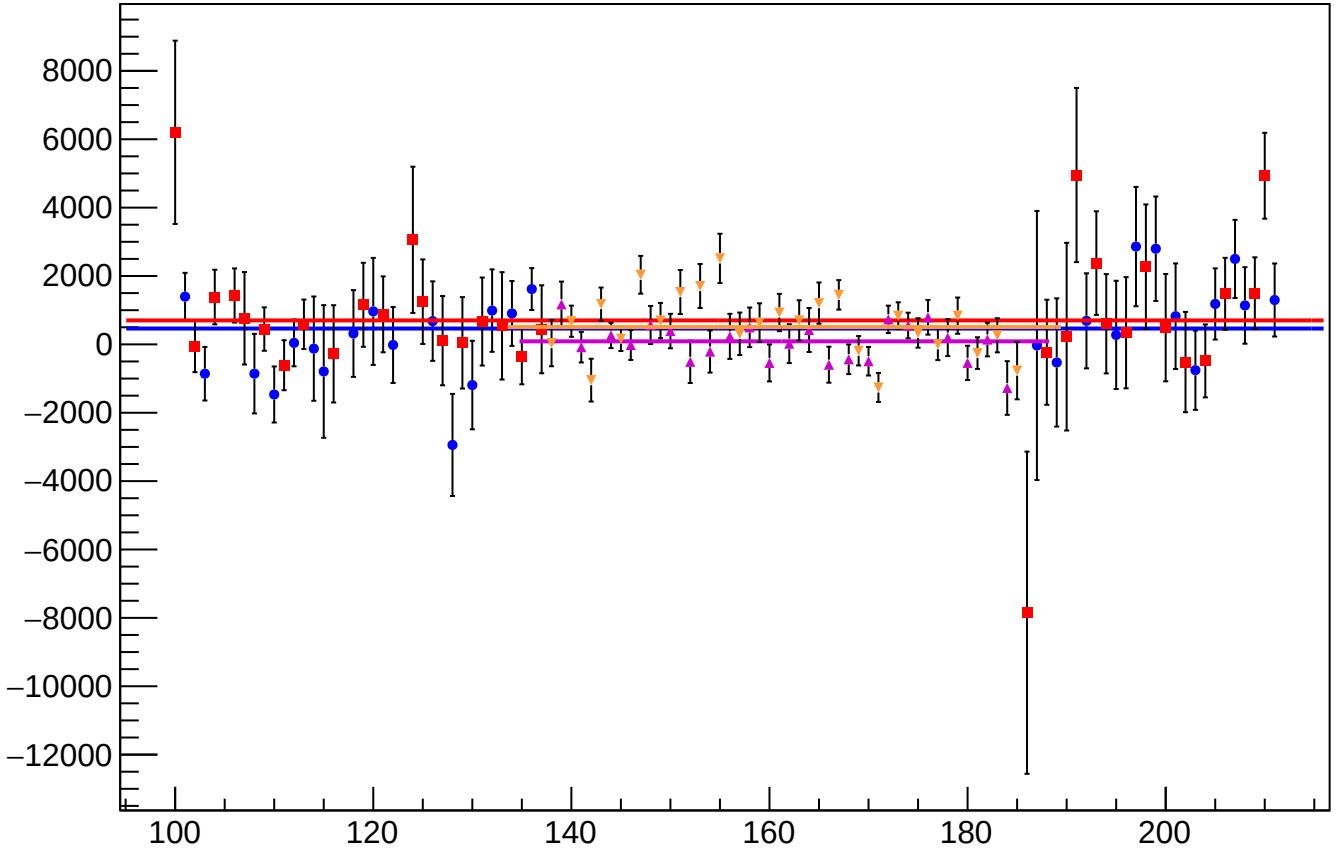
Left In: 57.539+/-0.010 χ^2/NDF:1443279.4/22

+ sign 62.053+/-0.008 χ^2/NDF: 3779075.1/52

All: 62.475+/-0.005 χ^2/NDF: 7652582.2/108

- sign 62.905+/-0.008 χ^2/NDF: 3867287.6/55

asym_sam_15_48_dd_dit_correction_mean vs Slug



Right In: 463.024+/-206.854 χ^2/NDF: 33.9/27

Left Out: 507.171+/-101.776 χ^2/NDF:65.8/24

Right Out: 700.653+/-198.025 χ^2/NDF: 37.3/32

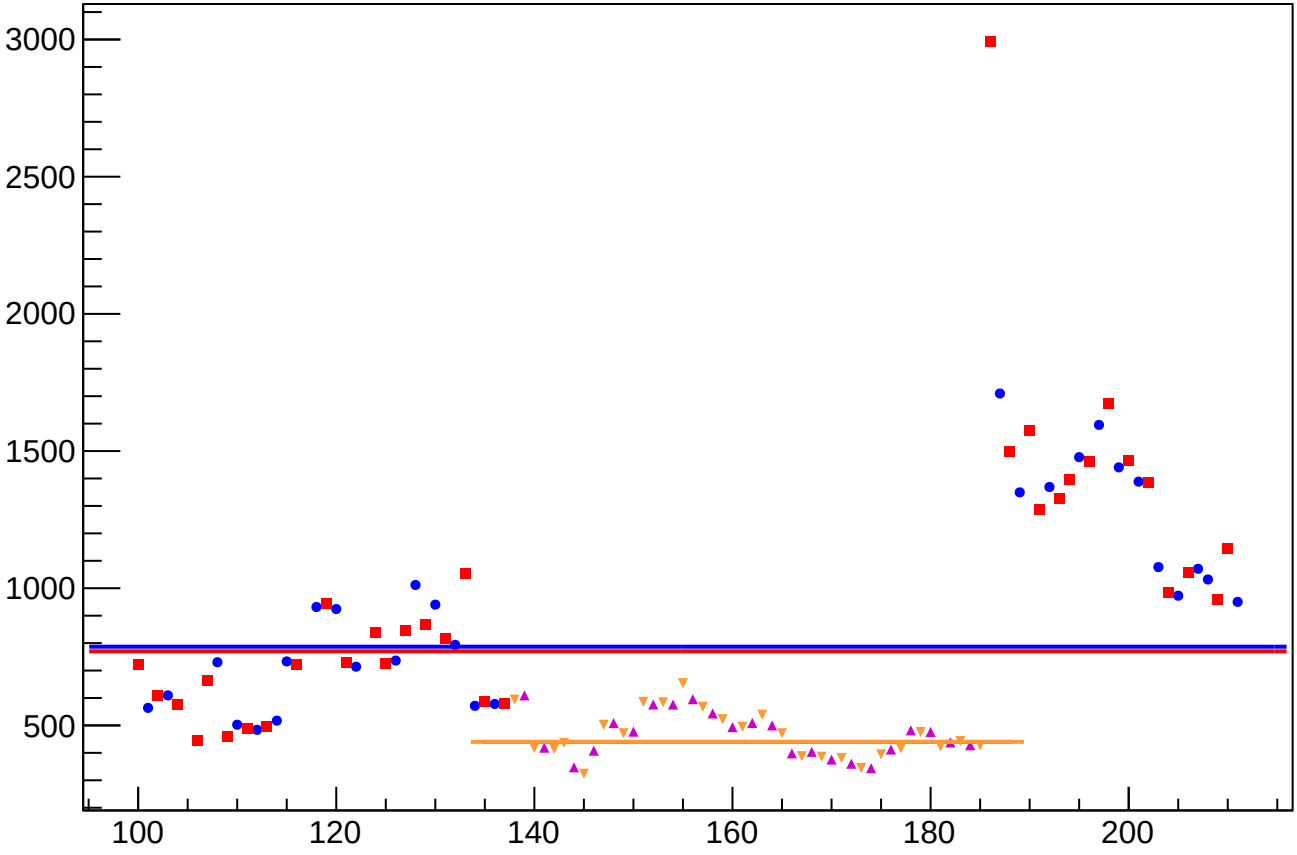
Left In: 88.471+/-104.542 χ^2/NDF:23.3/22

+ sign 498.566+/-91.321 χ^2/NDF: 99.7/52

All: 361.932+/-64.969 χ^2/NDF: 172.3/108

- sign 221.900+/-92.449 χ^2/NDF: 68.1/55

asym_sam_15_48_dd_dit_correction_rms vs Slug



Right In: 786.950+/-0.146 χ^2/NDF: 4045675.9/27

Left Out: 440.075+/-0.072 χ^2/NDF:1196985.5/24

Right Out: 770.089+/-0.140 χ^2/NDF: 5768669.9/32

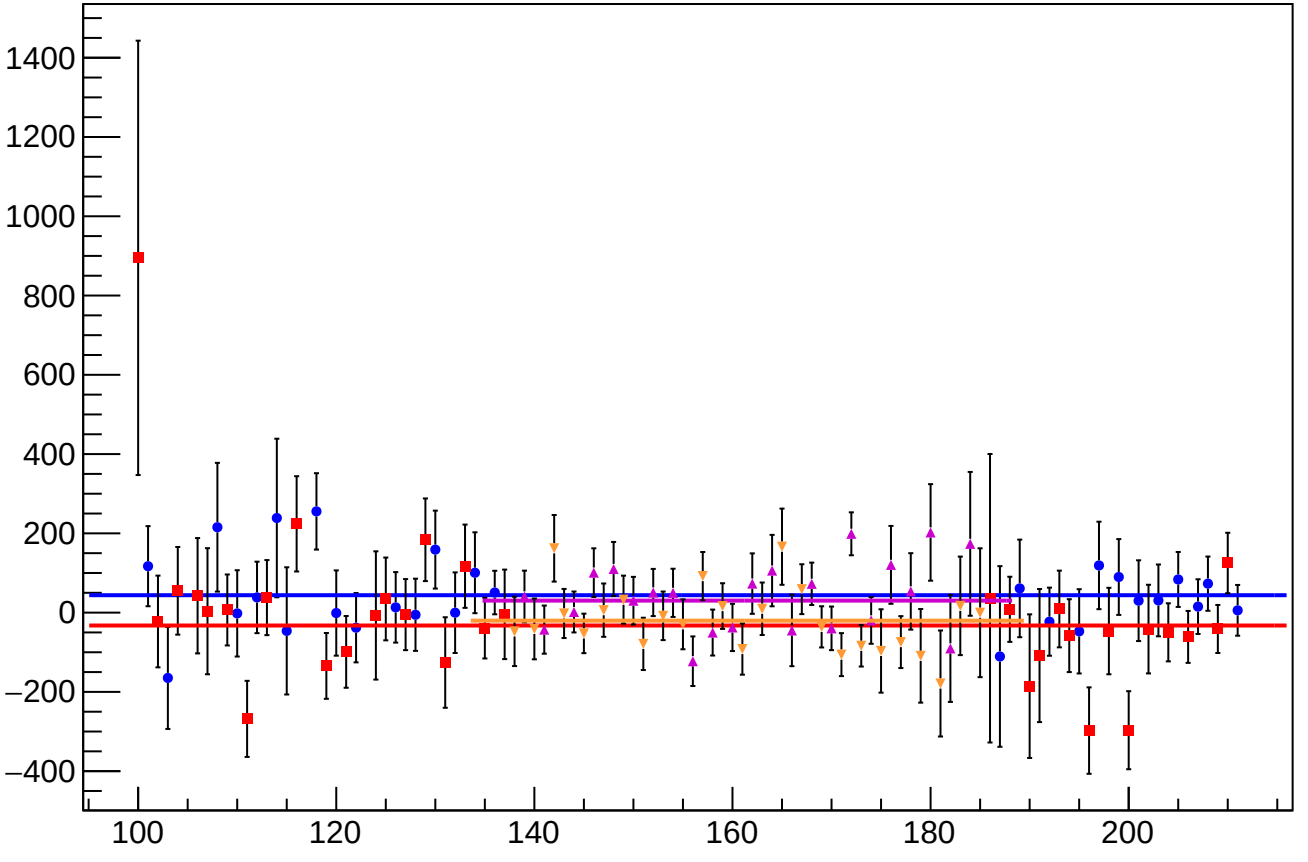
Left In: 439.877+/-0.074 χ^2/NDF:1061910.1/22

+ sign 507.681+/-0.065 χ^2/NDF: 9770538.9/52

All: 509.739+/-0.046 χ^2/NDF: 20952341.4/10

- sign 511.849+/-0.065 χ^2/NDF: 11179745.5/55

eigen_dit_asym_sam_15_48_dd_mean vs Slug



Right In: 43.931+/-17.511 χ^2/NDF: 17.5/27

Left Out: -20.271+/-13.636 χ^2/NDF:25.1/24

Right Out: -32.511+/-17.272 χ^2/NDF: 43.9/32

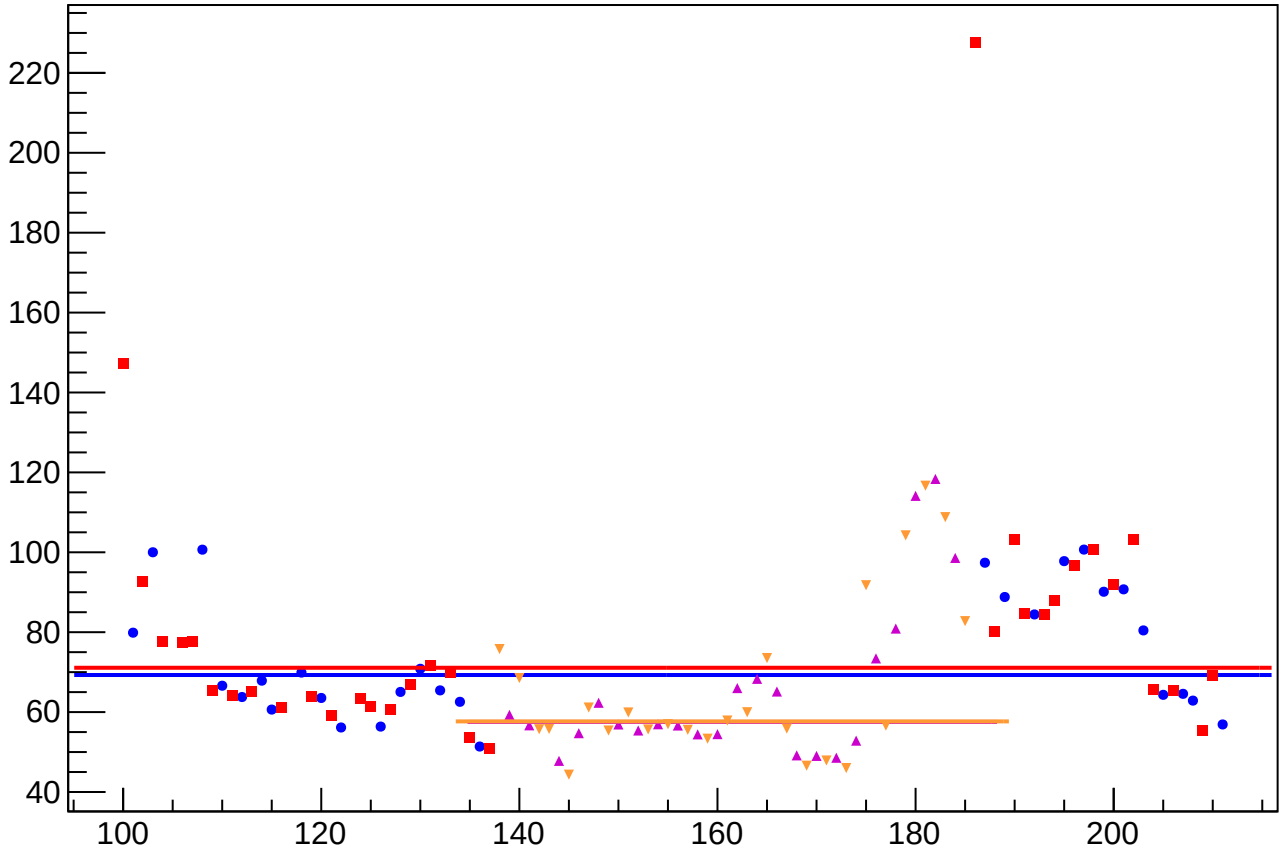
Left In: 30.318+/-13.979 χ^2/NDF:32.6/22

+ sign 3.965+/-10.759 χ^2/NDF: 51.0/52

All: 4.702+/-7.645 χ^2/NDF: 135.5/108

- sign 5.453+/-10.866 χ^2/NDF: 84.5/55

eigen_dit_asym_sam_15_48_dd_rms vs Slug



Right In: 69.283+/-0.012 χ^2/NDF: 1321584.9/27

Left Out: 57.668+/-0.010 χ^2/NDF:1909739.8/24

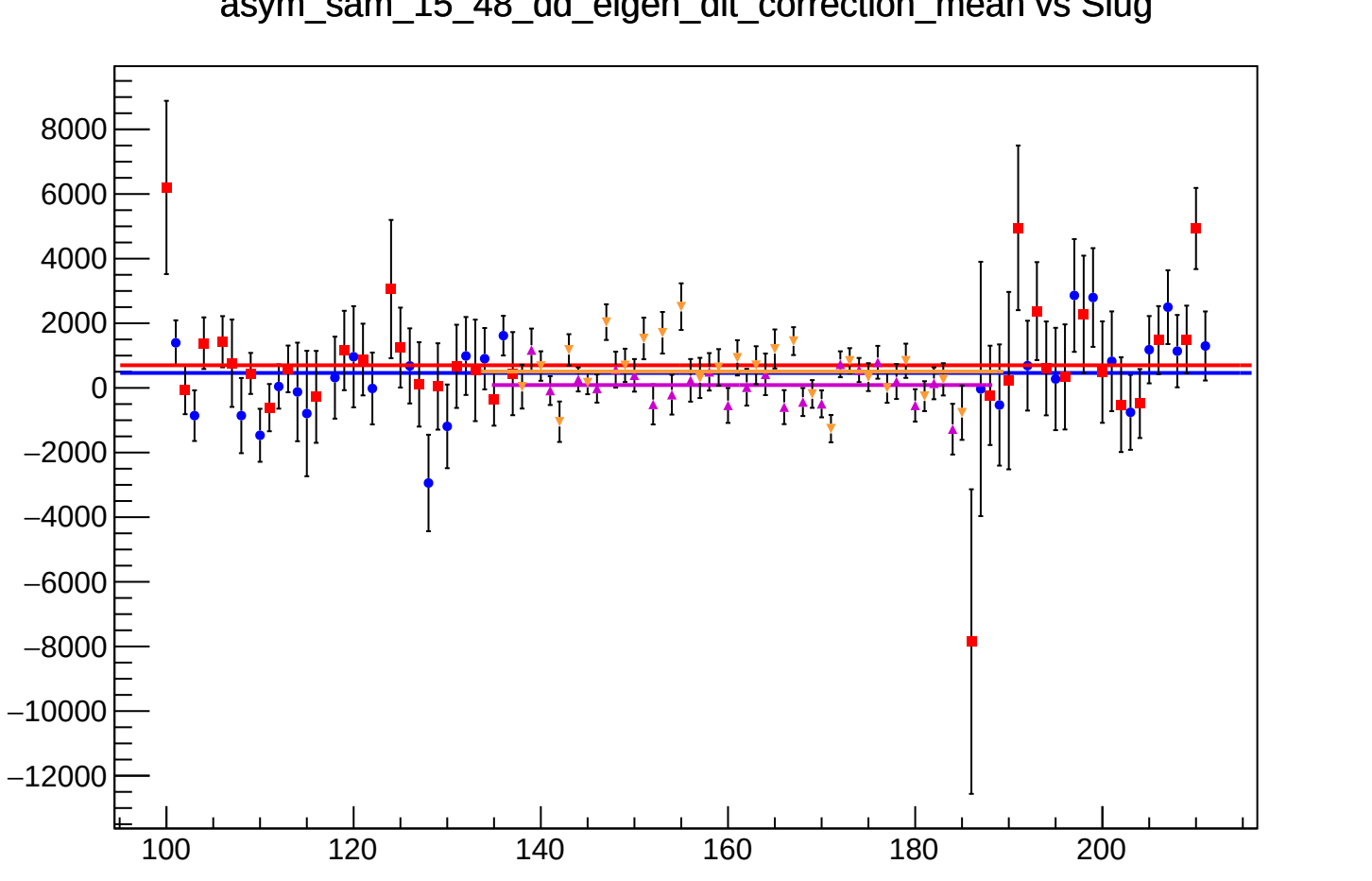
Right Out: 71.098+/-0.012 χ^2/NDF: 1679366.2/32

Left In: 57.539+/-0.010 χ^2/NDF:1443262.3/22

+ sign 62.053+/-0.008 χ^2/NDF: 3779037.3/52

All: 62.475+/-0.005 χ^2/NDF: 7652522.6/108

- sign 62.905+/-0.008 χ^2/NDF: 3867266.6/55



Right In: 463.022+/-206.854 χ^2/NDF: 33.9/27

Left Out: 507.170+/-101.776 χ^2/NDF:65.8/24

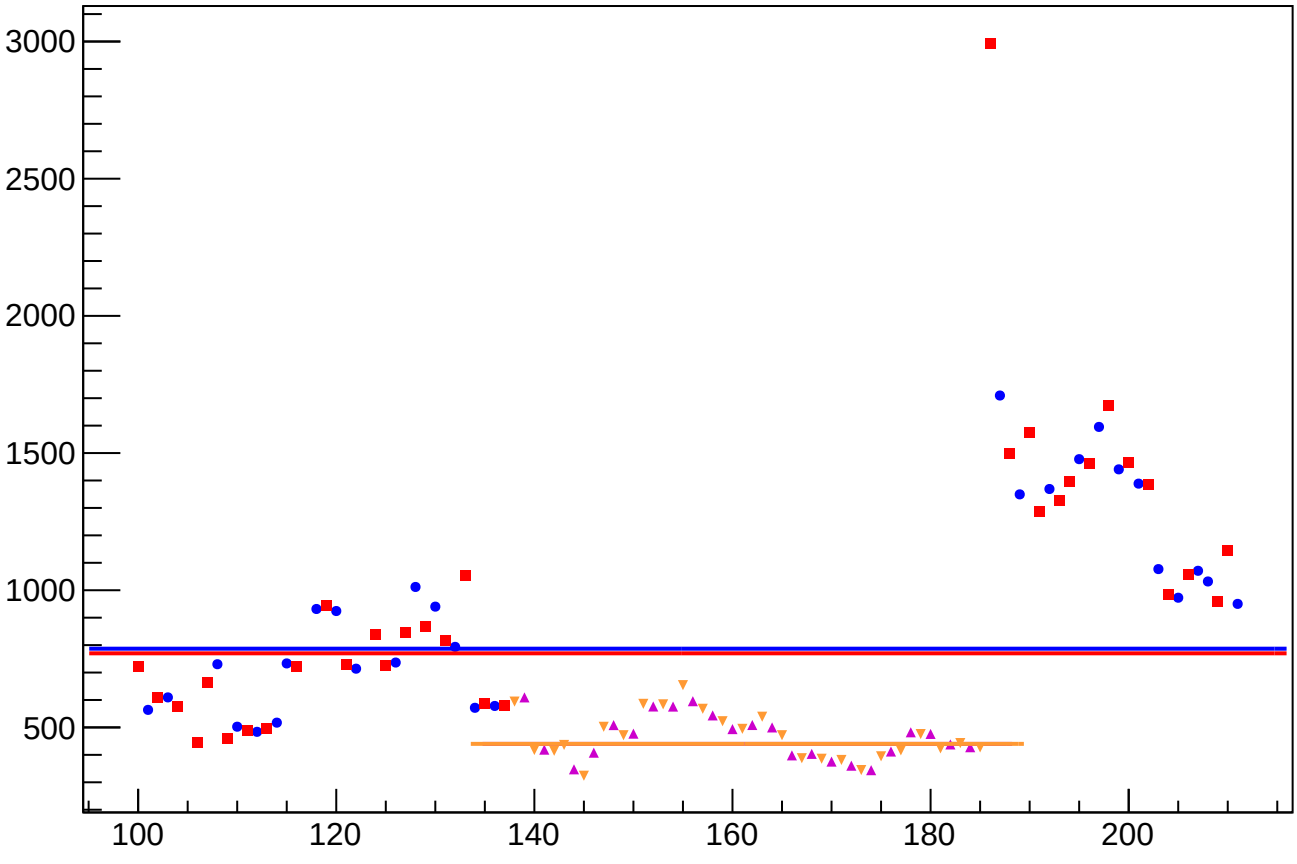
Right Out: 700.652+/-198.025 χ^2/NDF: 37.3/32

Left In: 88.471+/-104.541 χ^2/NDF:23.3/22

+ sign 498.565+/-91.321 χ^2/NDF: 99.7/52

All: 361.931+/-64.969 χ^2/NDF: 172.3/108

- sign 221.899+/-92.449 χ^2/NDF: 68.1/55



Right In: 786.949+/-0.146 χ^2/NDF: 4045682.4/27

Left Out: 440.074+/-0.072 χ^2/NDF:1196993.4/24

Right Out: 770.088+/-0.140 χ^2/NDF: 5768675.1/32

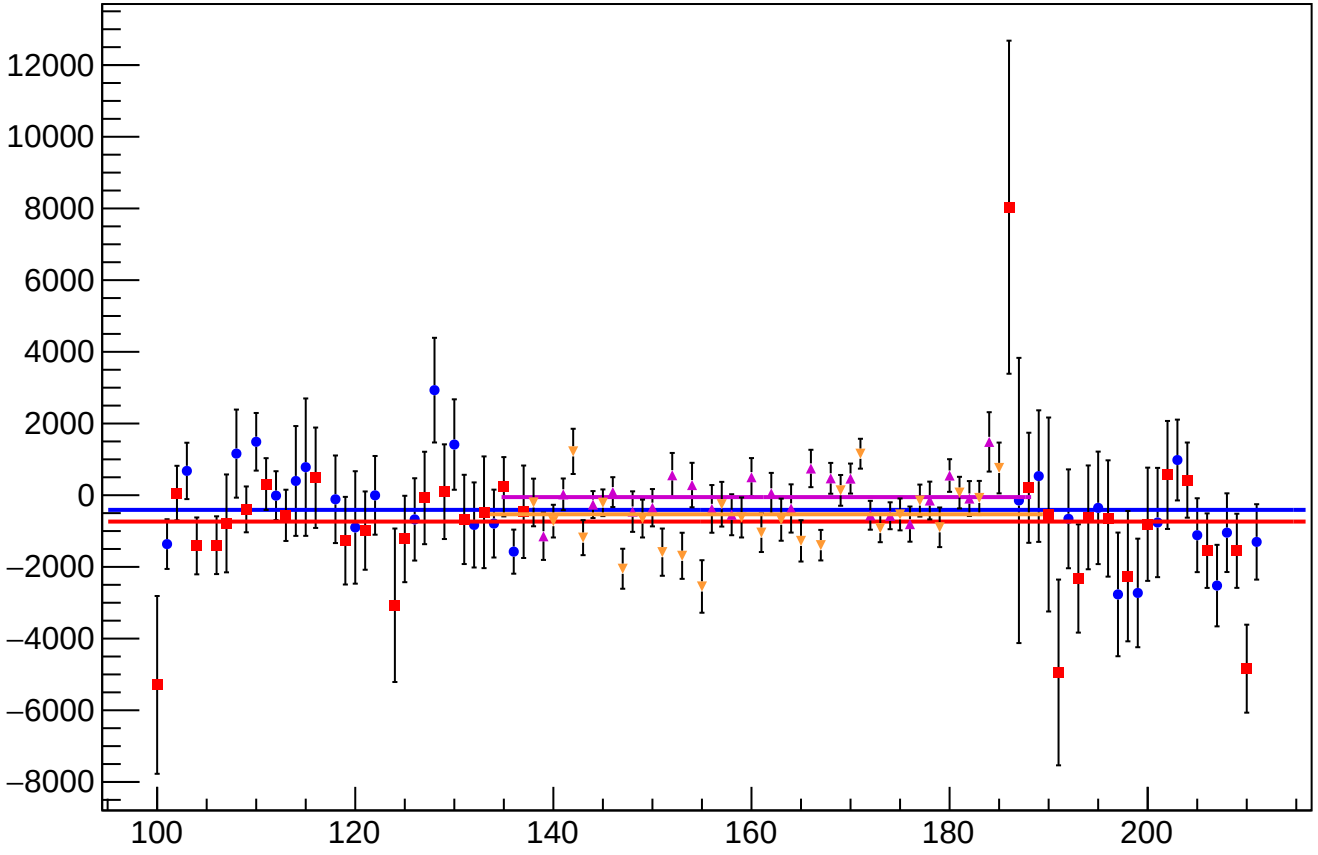
Left In: 439.876+/-0.074 χ^2/NDF:1061916.6/22

+ sign 507.680+/-0.065 χ^2/NDF: 9770571.4/52

All: 509.738+/-0.046 χ^2/NDF: 20952406.7/10

- sign 511.847+/-0.065 χ^2/NDF: 11179778.5/55

asym_sam_15_48_dd_mean vs Slug



Right In: -409.094+/-205.320 χ^2/NDF: 34.6/27

Left Out: -531.569+/-101.245 χ^2/NDF:65.6/24

Right Out: -735.629+/-197.199 χ^2/NDF: 35.5/32

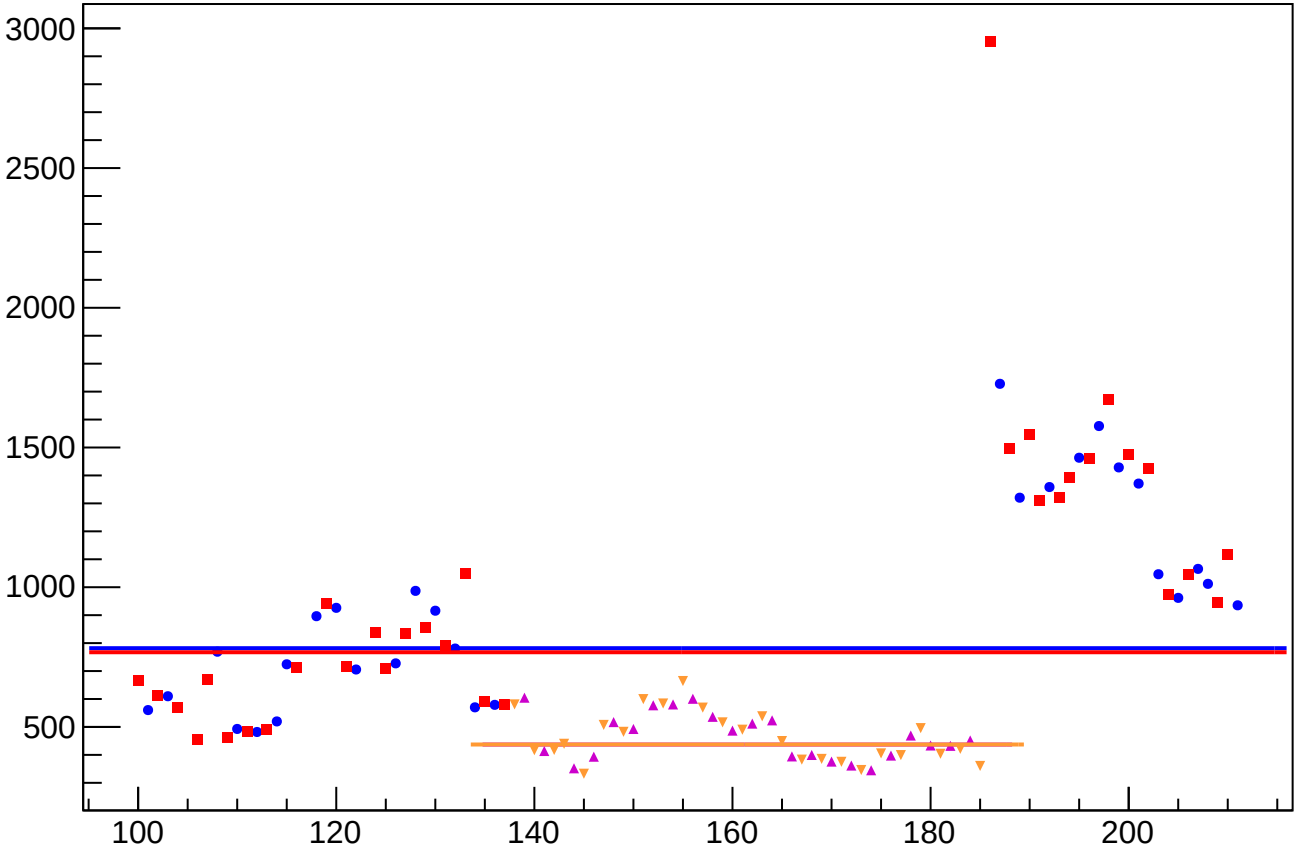
Left In: -52.554+/-103.870 χ^2/NDF:24.1/22

+ sign -507.613+/-90.805 χ^2/NDF: 100.5/52

All: -356.099+/-64.593 χ^2/NDF: 175.1/108

- sign -200.907+/-91.901 χ^2/NDF: 69.0/55

asym_sam_15_48_dd_rms vs Slug



Right In: 781.820+/-0.145 χ^2/NDF: 3960946.6/27

Left Out: 437.157+/-0.072 χ^2/NDF:1227453.3/24

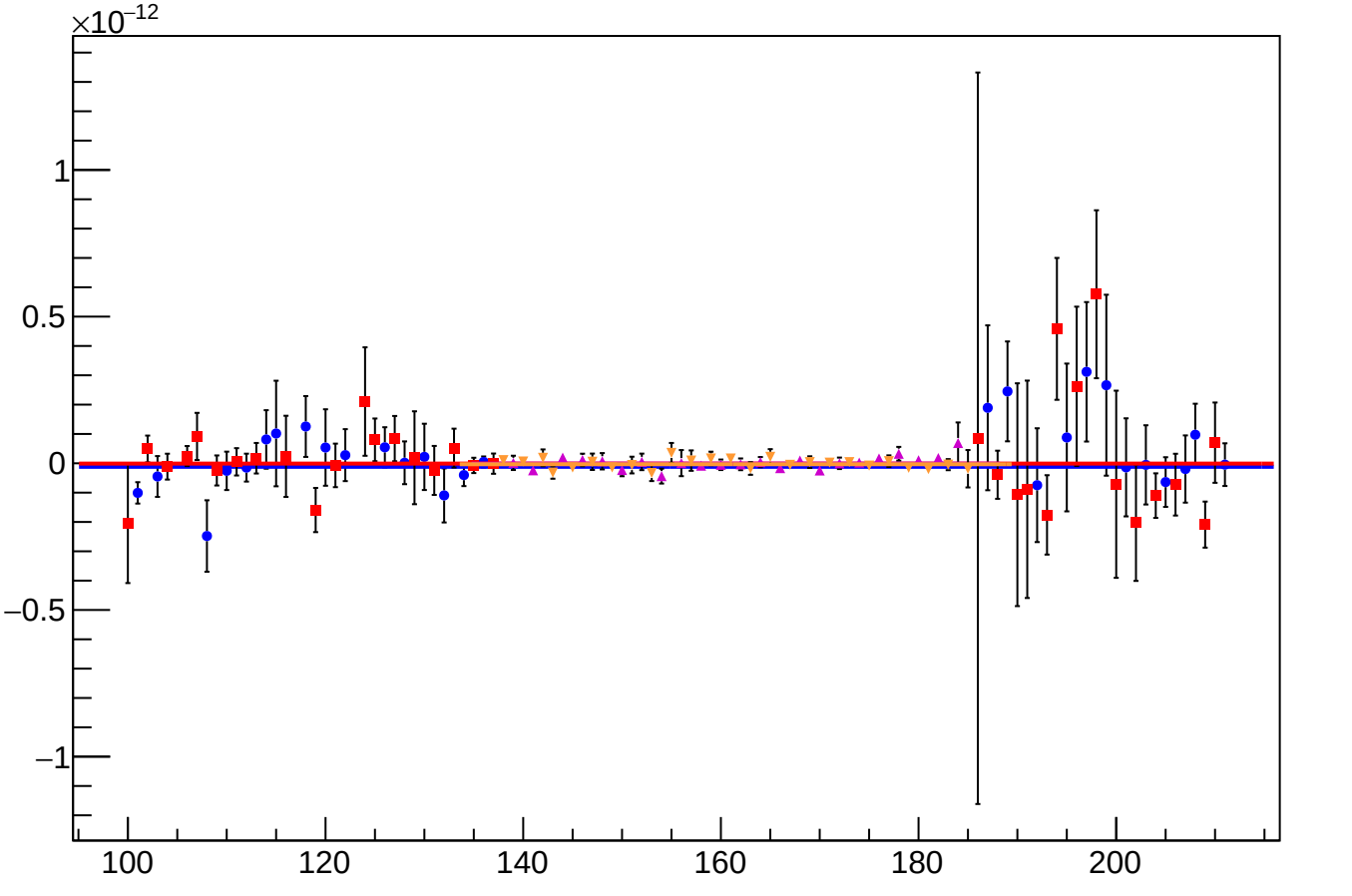
Right Out: 767.316+/-0.139 χ^2/NDF: 5725874.3/32

Left In: 436.937+/-0.073 χ^2/NDF:1080038.0/22

+ sign 504.572+/-0.064 χ^2/NDF: 9721884.9/52

All: 506.606+/-0.046 χ^2/NDF: 20924268.5/10

- sign 508.691+/-0.065 χ^2/NDF: 11200350.6/55



Right In: -0.000+/-0.000 χ^2/NDF: 24.2/27

Left Out: -0.000+/-0.000 χ^2/NDF:14.3/24

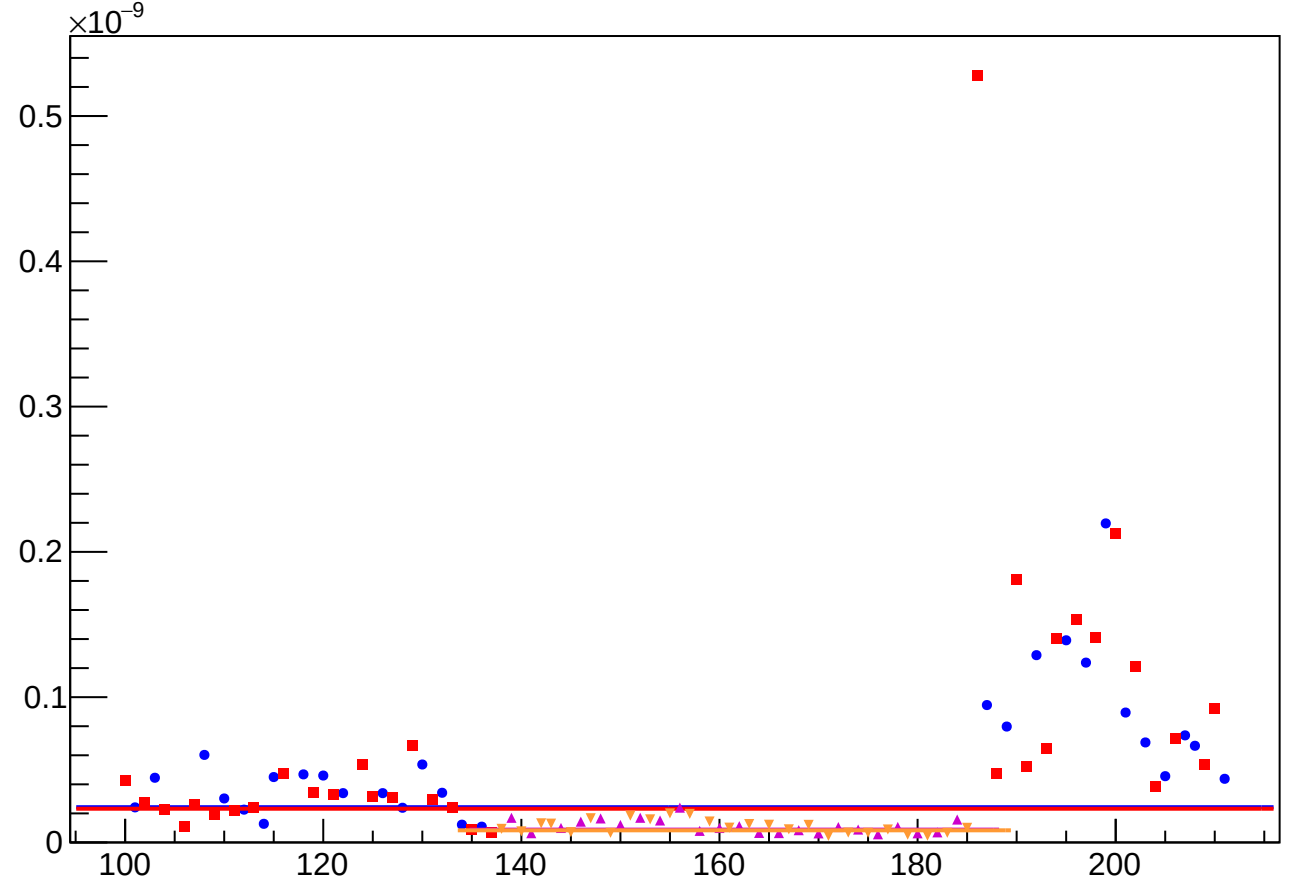
Right Out: -0.000+/-0.000 χ^2/NDF: 35.0/32

Left In: -0.000+/-0.000 χ^2/NDF:22.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 39.0/52

All: -0.000+/-0.000 χ^2/NDF: 96.4/108

- sign -0.000+/-0.000 χ^2/NDF: 57.1/55



Right In: 0.000+/-0.000 χ^2/NDF: 6000306.1/27

Left Out: 0.000+/-0.000 χ^2/NDF:2207304.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6579332.0/32

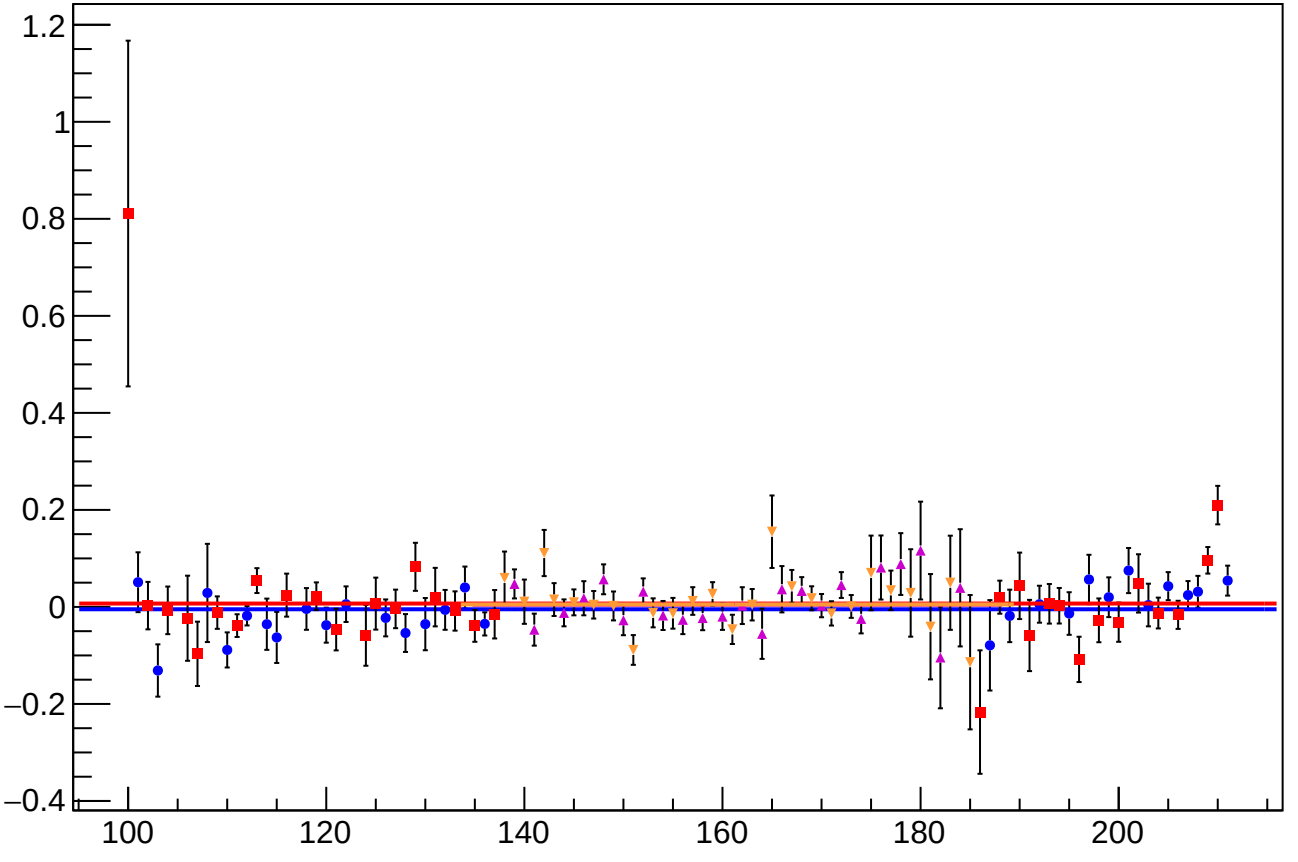
Left In: 0.000+/-0.000 χ^2/NDF:1644276.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 11482132.5/52

All: 0.000+/-0.000 χ^2/NDF: 22569791.2/108

- sign 0.000+/-0.000 χ^2/NDF: 11056805.4/55

asym_sam_15_48_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.005+/-0.007 χ^2/NDF: 33.7/27

Left Out: 0.005+/-0.007 χ^2/NDF:28.4/24

Right Out: 0.007+/-0.007 χ^2/NDF: 73.3/32

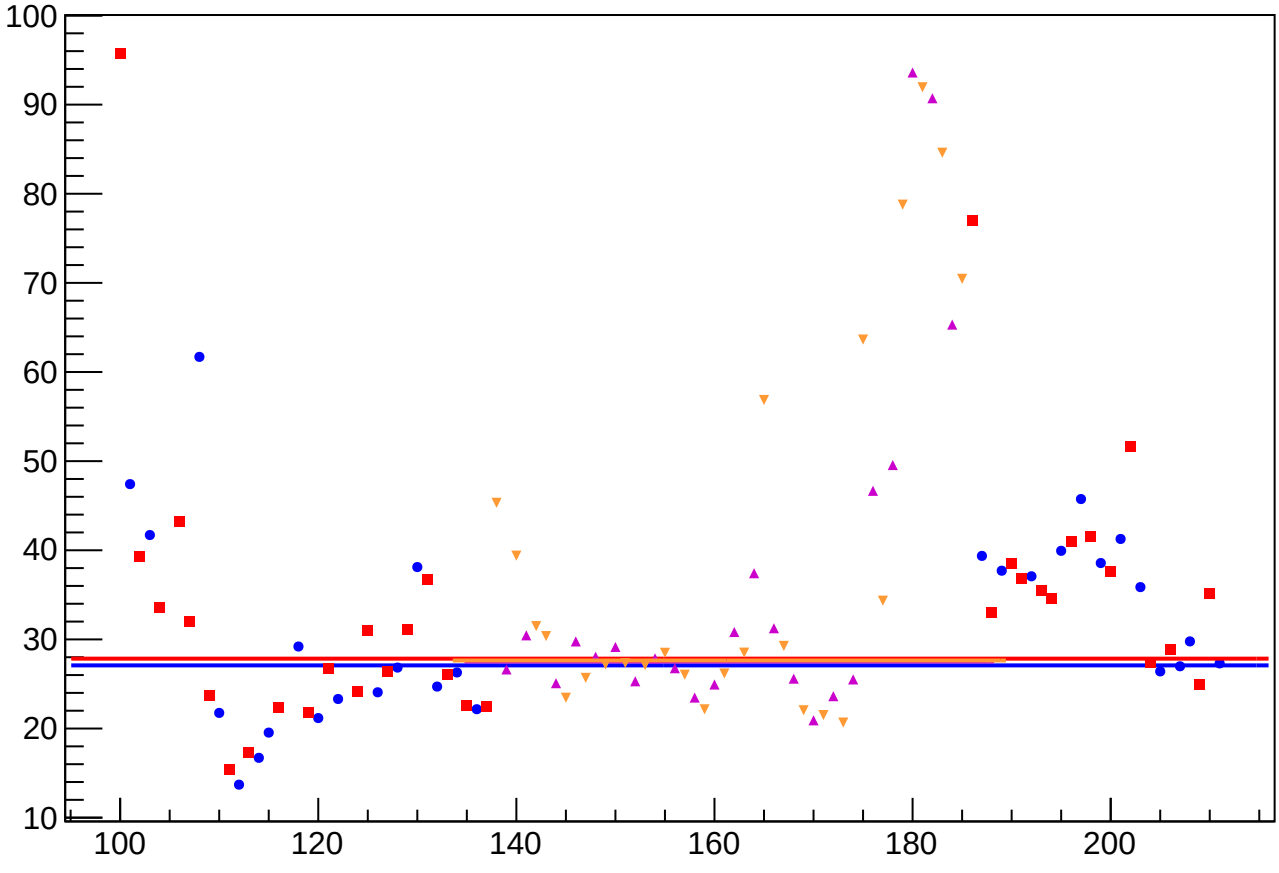
Left In: 0.005+/-0.007 χ^2/NDF:25.1/22

+ sign 0.000+/-0.005 χ^2/NDF: 63.1/52

All: 0.003+/-0.004 χ^2/NDF: 162.2/108

- sign 0.006+/-0.005 χ^2/NDF: 98.4/55

asym_sam_15_48_dd_dit_vs_cor_diff_rms vs Slug



Right In: 27.086+/-0.005 χ^2/NDF: 3057913.9/27

Left Out: 27.635+/-0.005 χ^2/NDF:3974084.8/24

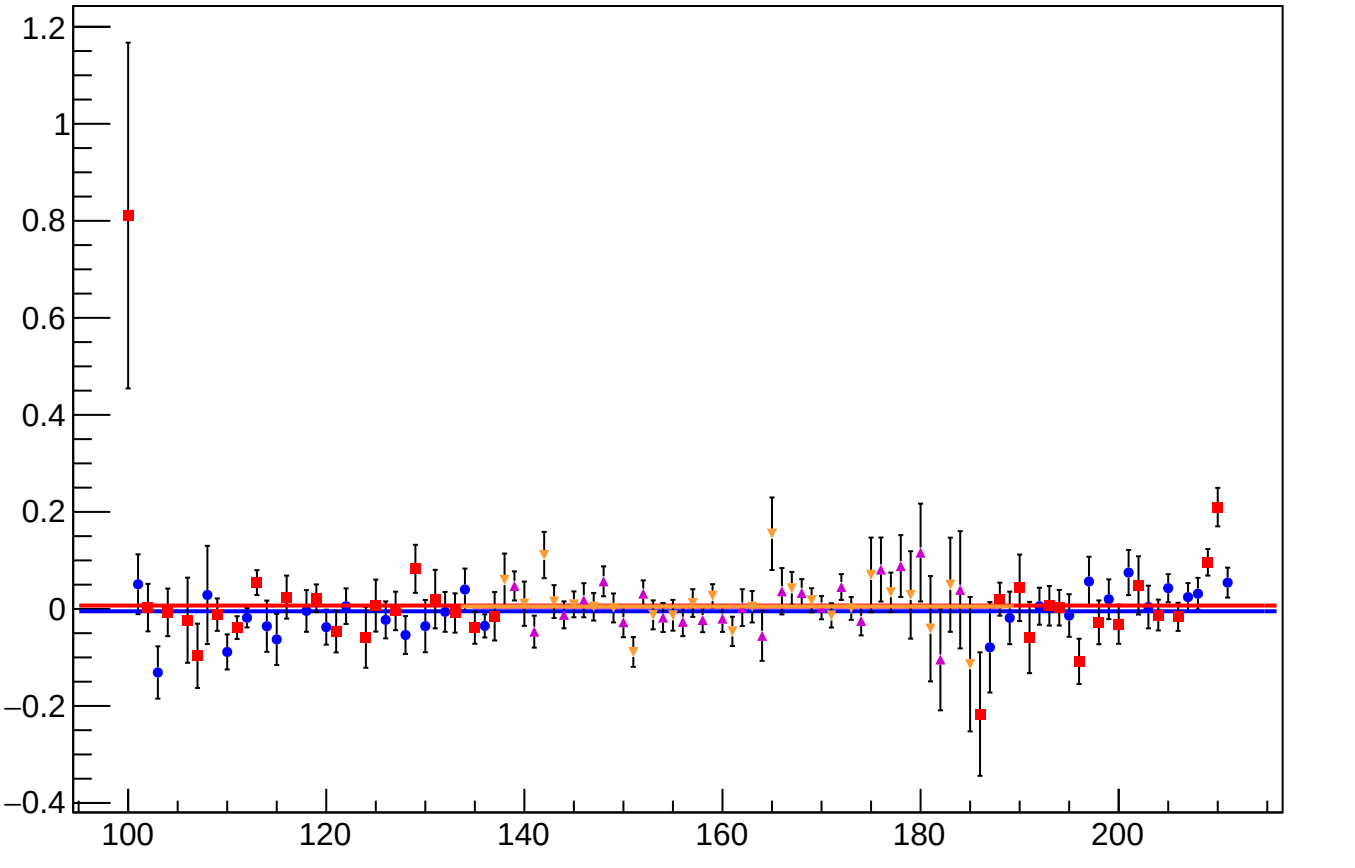
Right Out: 27.841+/-0.005 χ^2/NDF: 2912996.8/32

Left In: 27.524+/-0.005 χ^2/NDF:2634540.9/22

+ sign 27.374+/-0.004 χ^2/NDF: 7038116.6/52

All: 27.528+/-0.002 χ^2/NDF: 12591568.4/108

- sign 27.682+/-0.004 χ^2/NDF: 5549588.9/55



Right In: -0.005+/-0.007 χ^2/NDF: 33.7/27

Left Out: 0.005+/-0.007 χ^2/NDF:28.4/24

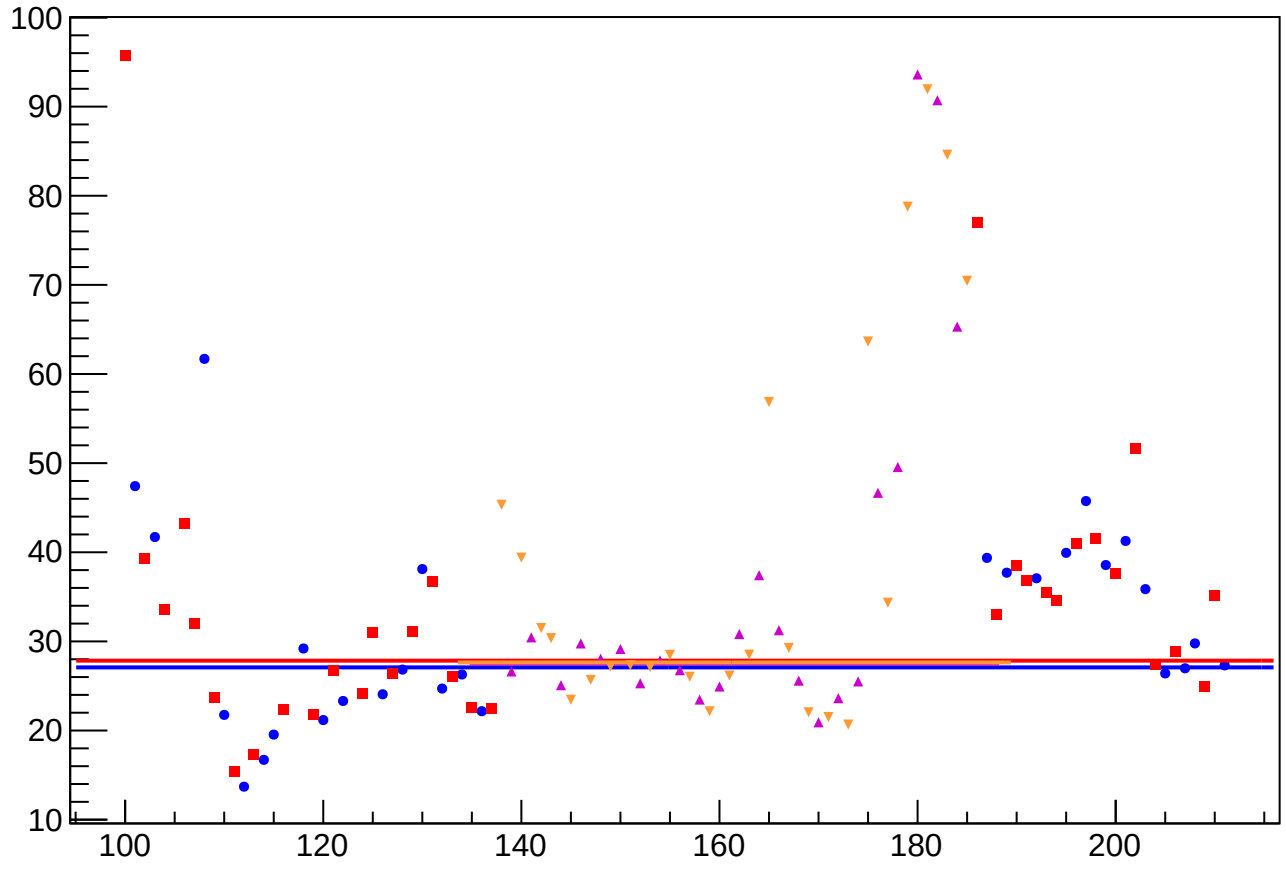
Right Out: 0.007+/-0.007 χ^2/NDF: 73.3/32

Left In: 0.005+/-0.007 χ^2/NDF:25.1/22

+ sign 0.000+/-0.005 χ^2/NDF: 63.1/52

All: 0.003+/-0.004 χ^2/NDF: 162.2/108

- sign 0.006+/-0.005 χ^2/NDF: 98.4/55



Right In: 27.086+/-0.005 χ^2/NDF: 3057913.9/27

Left Out: 27.635+/-0.005 χ^2/NDF:3974084.8/24

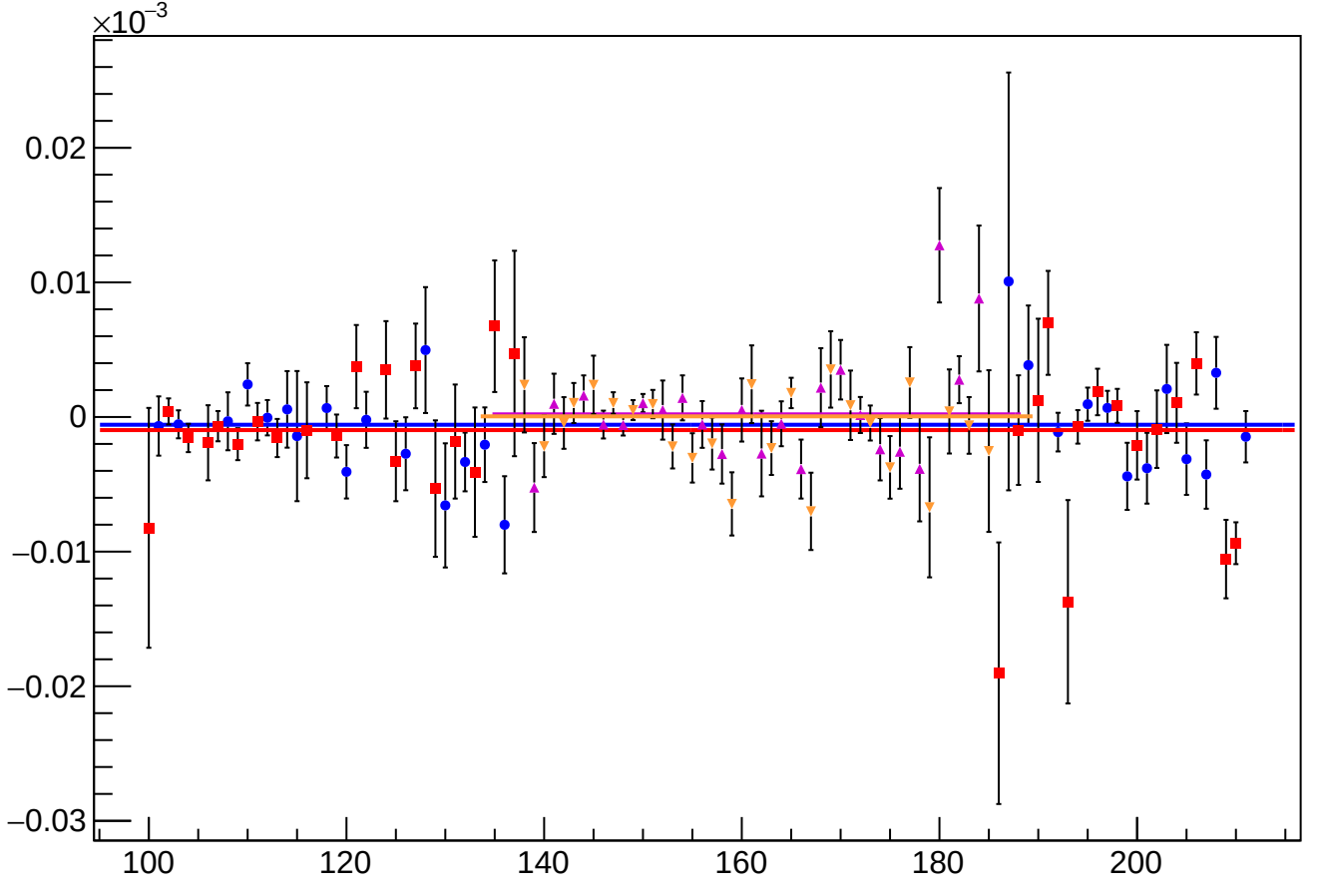
Right Out: 27.841+/-0.005 χ^2/NDF: 2912996.8/32

Left In: 27.524+/-0.005 χ^2/NDF:2634540.9/22

+ sign 27.374+/-0.004 χ^2/NDF: 7038116.6/52

All: 27.528+/-0.002 χ^2/NDF: 12591568.4/108

- sign 27.682+/-0.004 χ^2/NDF: 5549588.9/55



Right In: -0.000+/-0.000 χ^2/NDF: 31.6/27

Left Out: 0.000+/-0.000 χ^2/NDF:37.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 76.2/32

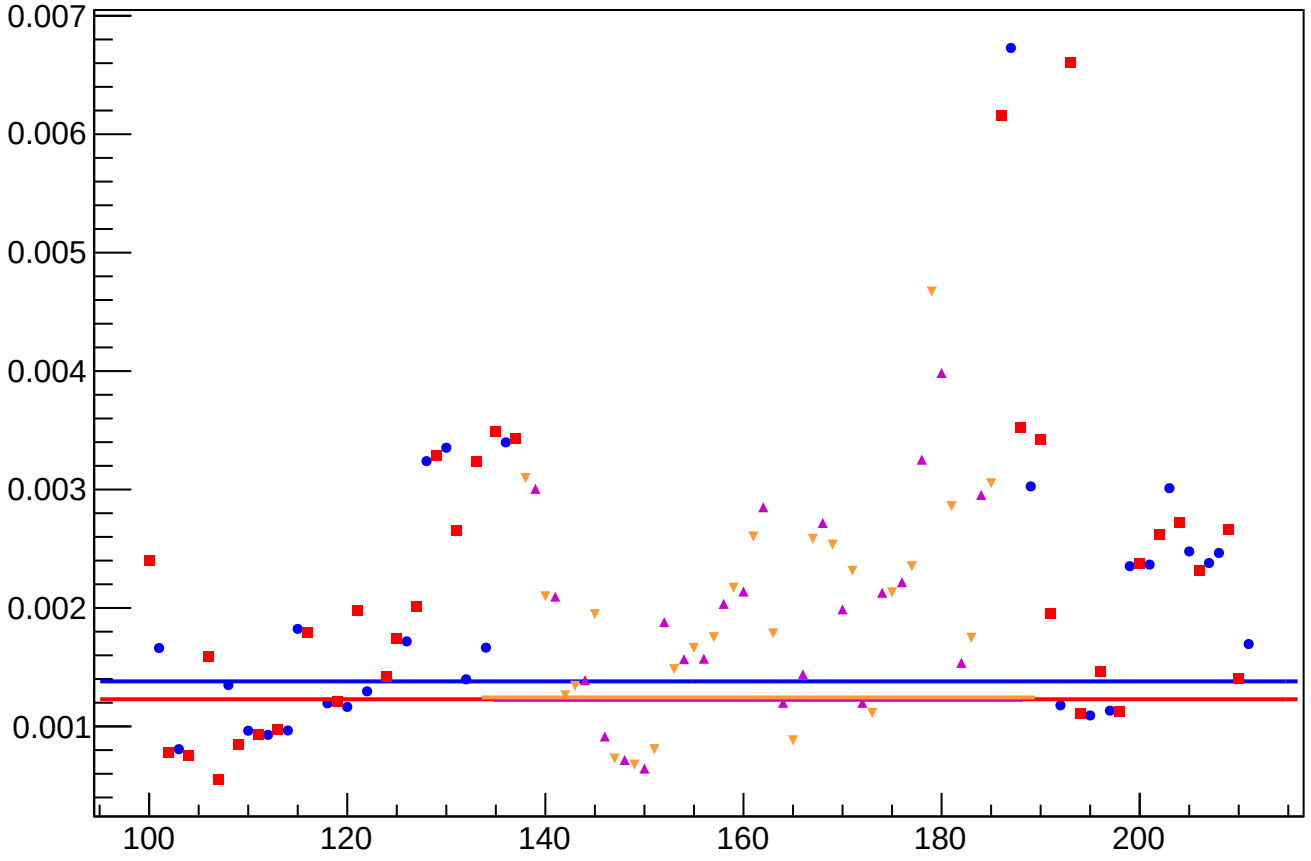
Left In: 0.000+/-0.000 χ^2/NDF:33.3/22

+ sign -0.000+/-0.000 χ^2/NDF: 70.1/52

All: -0.000+/-0.000 χ^2/NDF: 185.8/108

- sign -0.000+/-0.000 χ^2/NDF: 115.5/55

asym_sam_15_48_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 5343906.9/27

Left Out: 0.001+/-0.000 χ^2/NDF:8341059.1/24

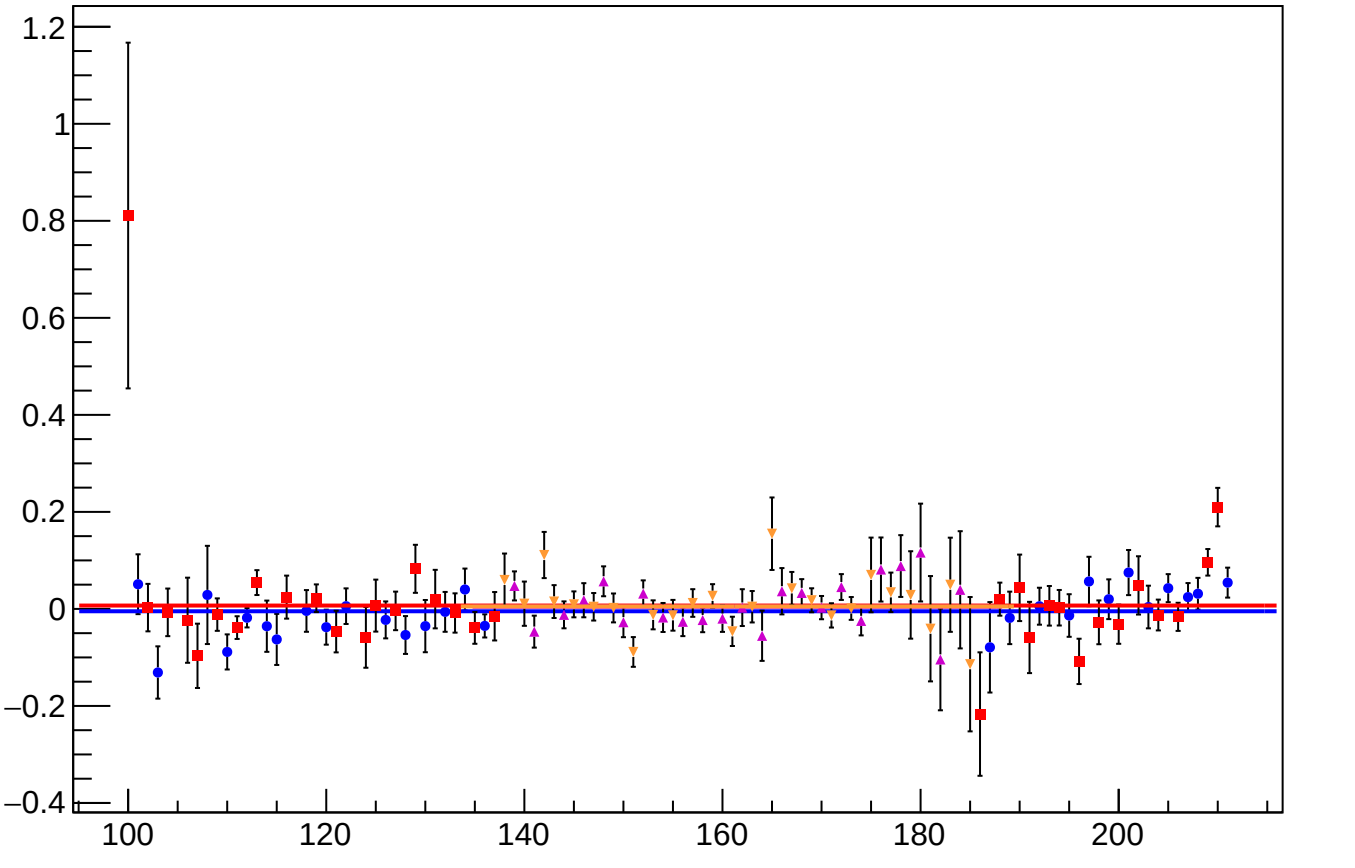
Right Out: 0.001+/-0.000 χ^2/NDF: 8764813.0/32

Left In: 0.001+/-0.000 χ^2/NDF:7822849.8/22

+ sign 0.001+/-0.000 χ^2/NDF: 13832441.3/52

All: 0.001+/-0.000 χ^2/NDF: 30515313.5/108

- sign 0.001+/-0.000 χ^2/NDF: 16587798.3/55



Right In: -0.005+/-0.007 χ^2/NDF: 33.7/27

Left Out: 0.005+/-0.007 χ^2/NDF:28.4/24

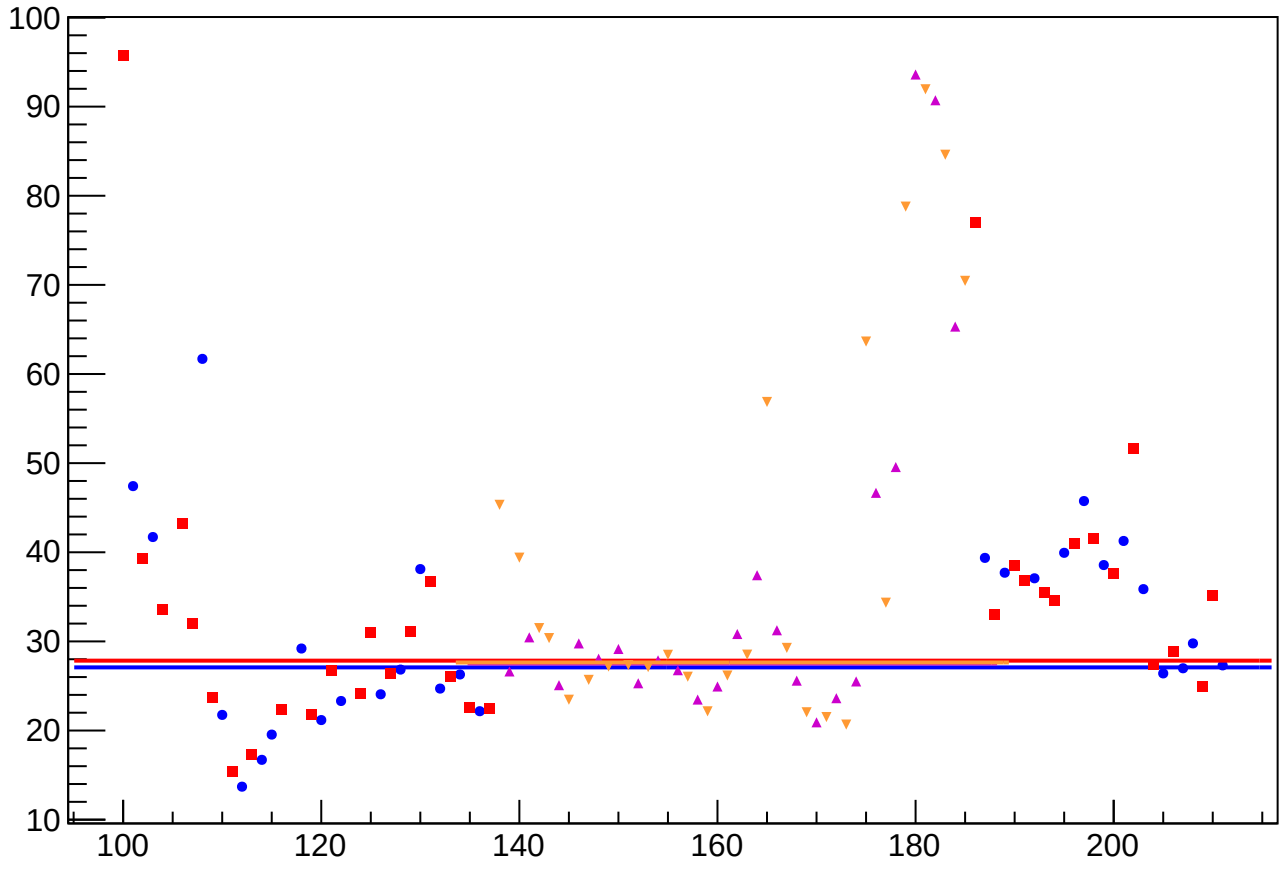
Right Out: 0.007+/-0.007 χ^2/NDF: 73.3/32

Left In: 0.005+/-0.007 χ^2/NDF:25.1/22

+ sign 0.000+/-0.005 χ^2/NDF: 63.1/52

All: 0.003+/-0.004 χ^2/NDF: 162.1/108

- sign 0.006+/-0.005 χ^2/NDF: 98.4/55



Right In: 27.085+/-0.005 χ^2/NDF: 3057922.3/27

Left Out: 27.635+/-0.005 χ^2/NDF:3974025.3/24

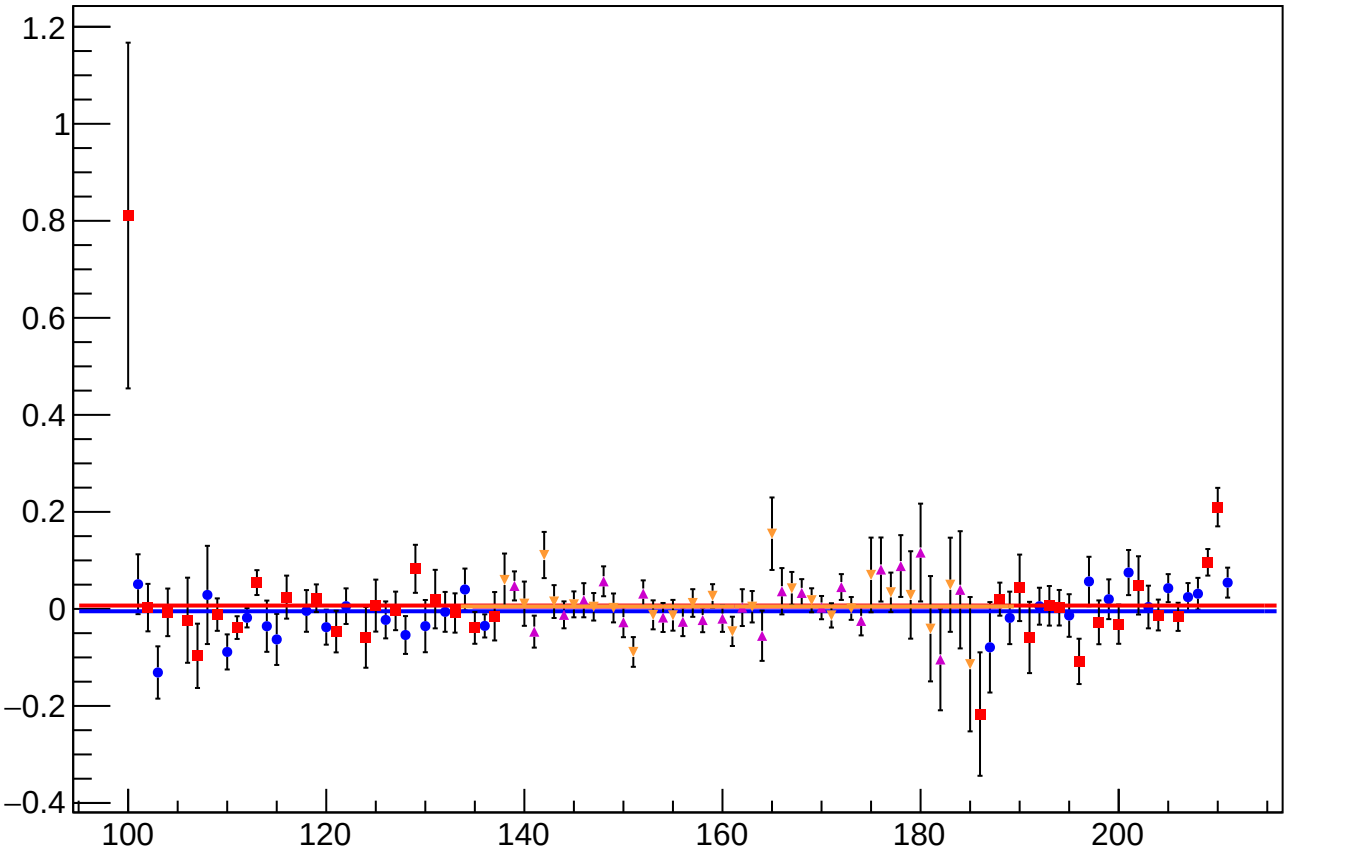
Right Out: 27.841+/-0.005 χ^2/NDF: 2913098.8/32

Left In: 27.524+/-0.005 χ^2/NDF:2634508.8/22

+ sign 27.374+/-0.004 χ^2/NDF: 7038073.7/52

All: 27.528+/-0.002 χ^2/NDF: 12591589.5/108

- sign 27.682+/-0.004 χ^2/NDF: 5549655.3/55



Right In: -0.005+/-0.007 χ^2/NDF: 33.7/27

Left Out: 0.005+/-0.007 χ^2/NDF:28.4/24

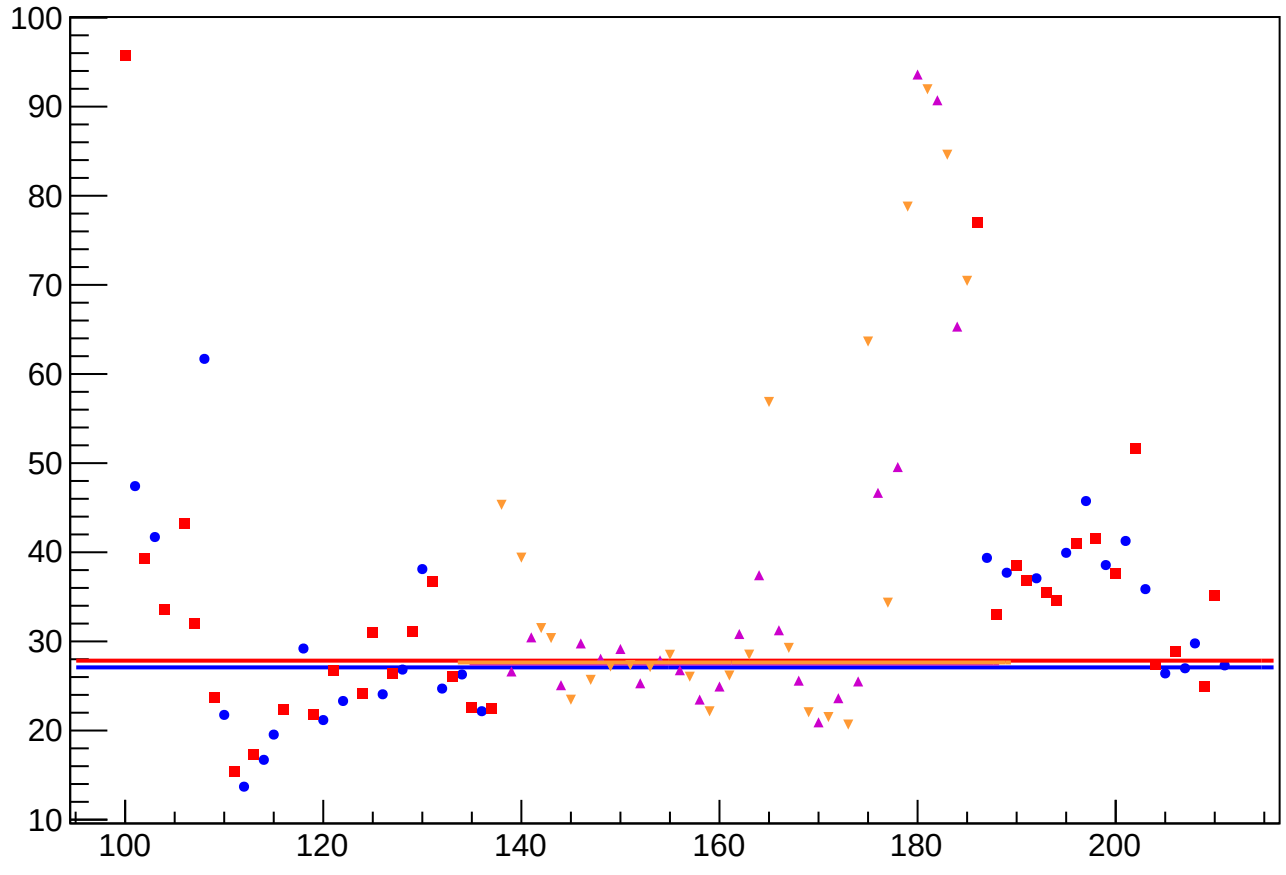
Right Out: 0.007+/-0.007 χ^2/NDF: 73.3/32

Left In: 0.005+/-0.007 χ^2/NDF:25.1/22

+ sign 0.000+/-0.005 χ^2/NDF: 63.1/52

All: 0.003+/-0.004 χ^2/NDF: 162.1/108

- sign 0.006+/-0.005 χ^2/NDF: 98.4/55



Right In: 27.085+/-0.005 χ^2/NDF: 3057922.3/27

Left Out: 27.635+/-0.005 χ^2/NDF:3974025.3/24

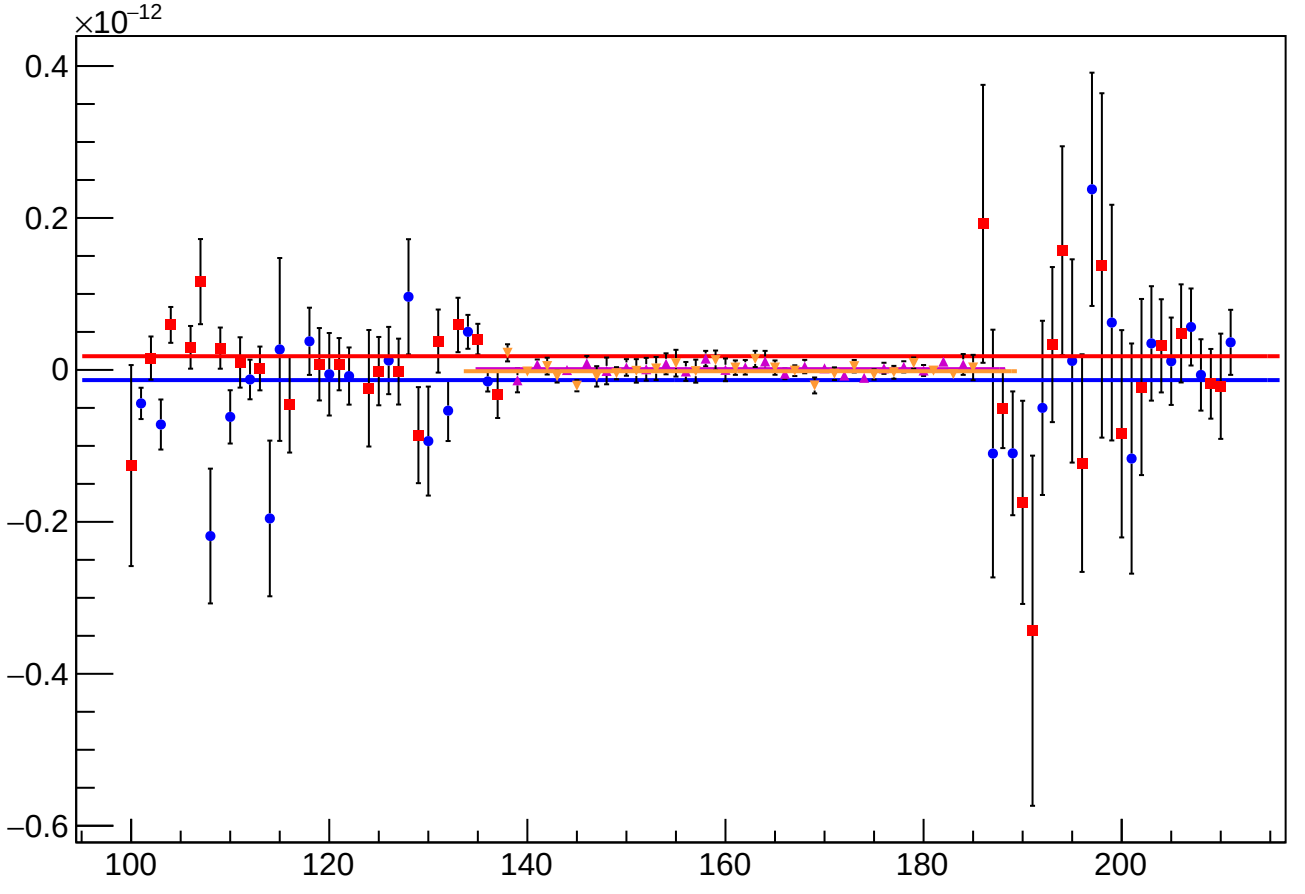
Right Out: 27.841+/-0.005 χ^2/NDF: 2913098.8/32

Left In: 27.524+/-0.005 χ^2/NDF:2634508.8/22

+ sign 27.374+/-0.004 χ^2/NDF: 7038073.7/52

All: 27.528+/-0.002 χ^2/NDF: 12591589.5/108

- sign 27.682+/-0.004 χ^2/NDF: 5549655.3/55



Right In: -0.000+/-0.000 χ^2/NDF: 39.2/27

Left Out: -0.000+/-0.000 χ^2/NDF:24.4/24

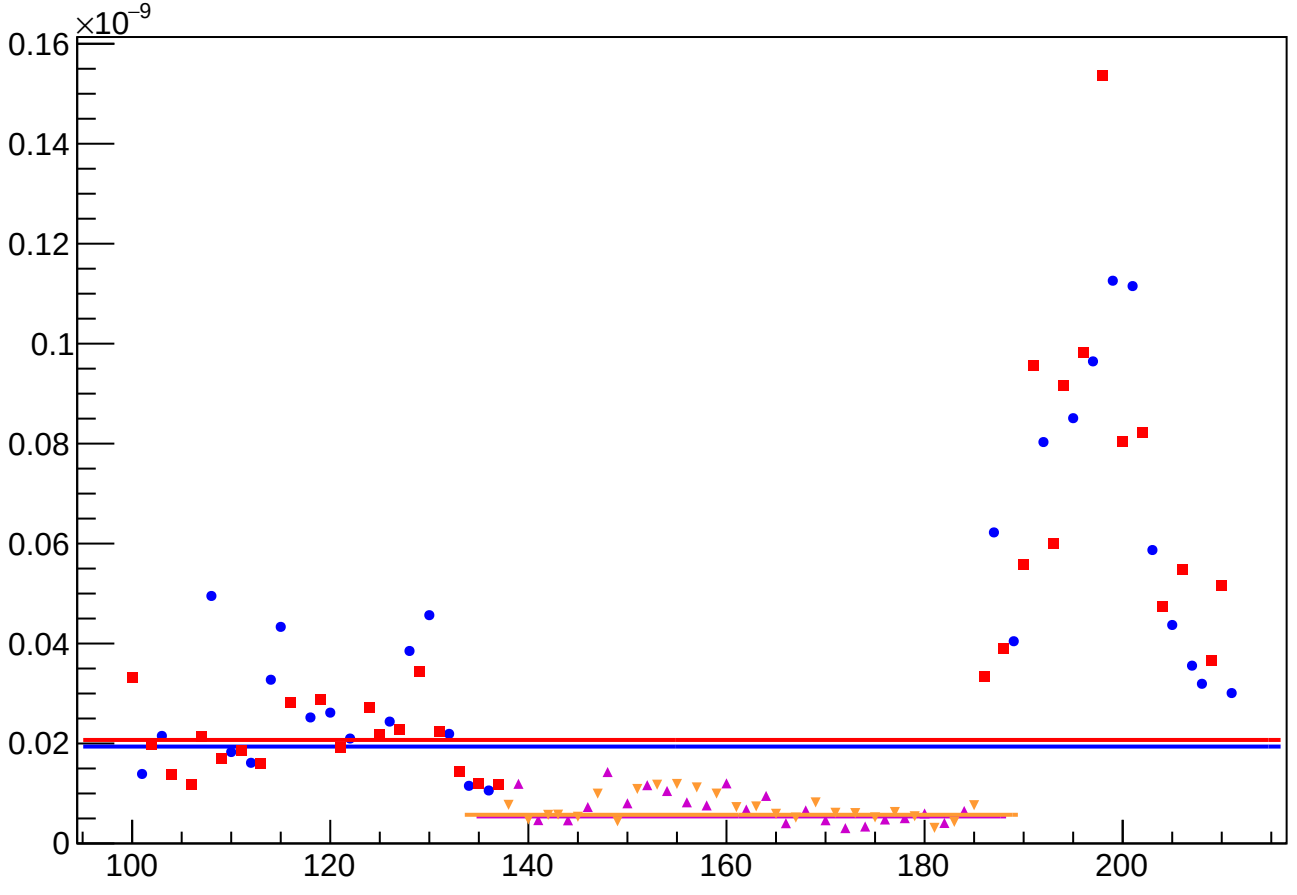
Right Out: 0.000+/-0.000 χ^2/NDF: 29.6/32

Left In: 0.000+/-0.000 χ^2/NDF:16.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 66.1/52

All: -0.000+/-0.000 χ^2/NDF: 120.4/108

- sign 0.000+/-0.000 χ^2/NDF: 51.1/55



Right In: 0.000+/-0.000 χ^2/NDF: 6808369.0/27

Left Out: 0.000+/-0.000 χ^2/NDF:2645460.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6541651.1/32

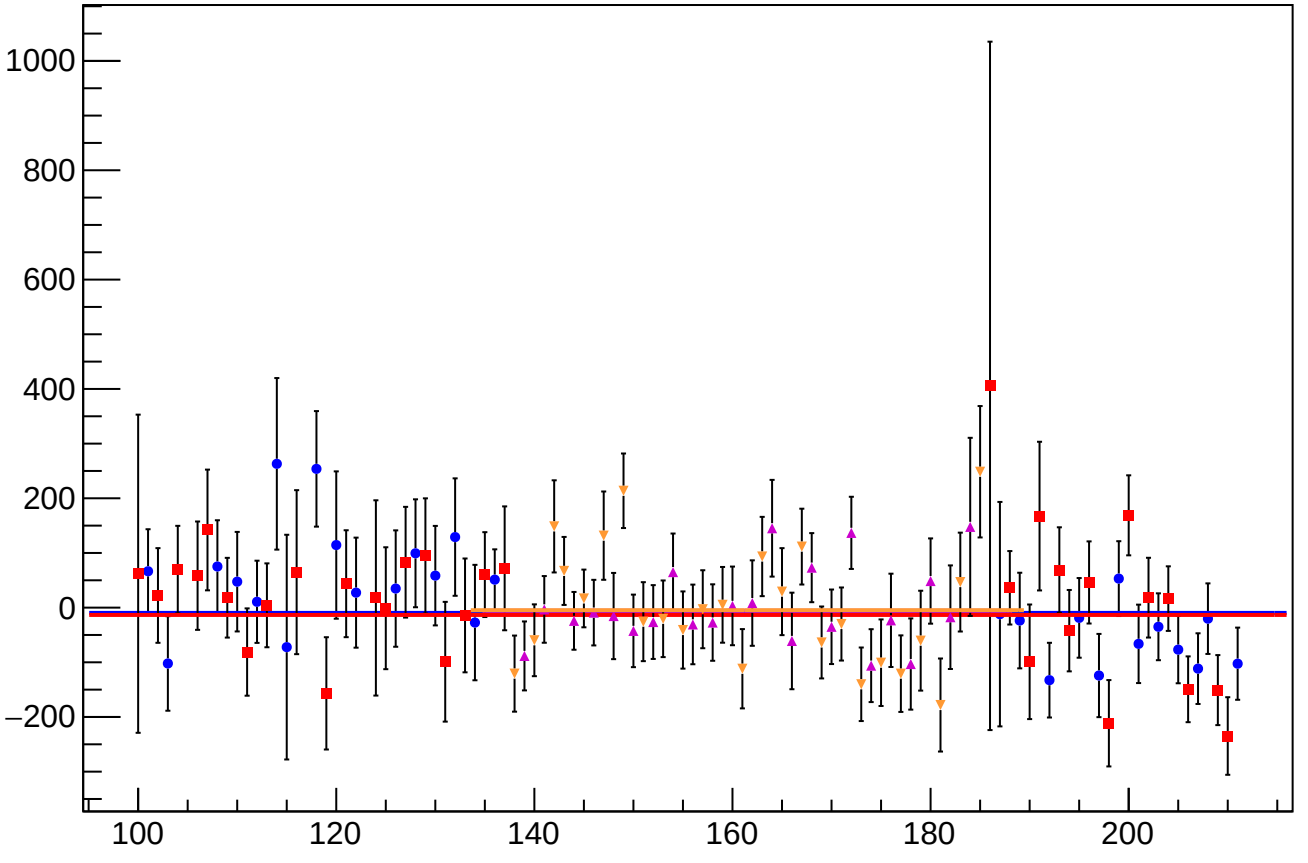
Left In: 0.000+/-0.000 χ^2/NDF:3476696.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 16120957.4/52

All: 0.000+/-0.000 χ^2/NDF: 34202657.2/108

- sign 0.000+/-0.000 χ^2/NDF: 18053406.1/55

reg_asym_sam_37_48_dd_mean vs Slug



Right In: -9.647+/-15.358 χ^2/NDF: 31.6/27

Left Out: -4.742+/-14.432 χ^2/NDF:47.4/24

Right Out: -13.364+/-15.087 χ^2/NDF: 49.1/32

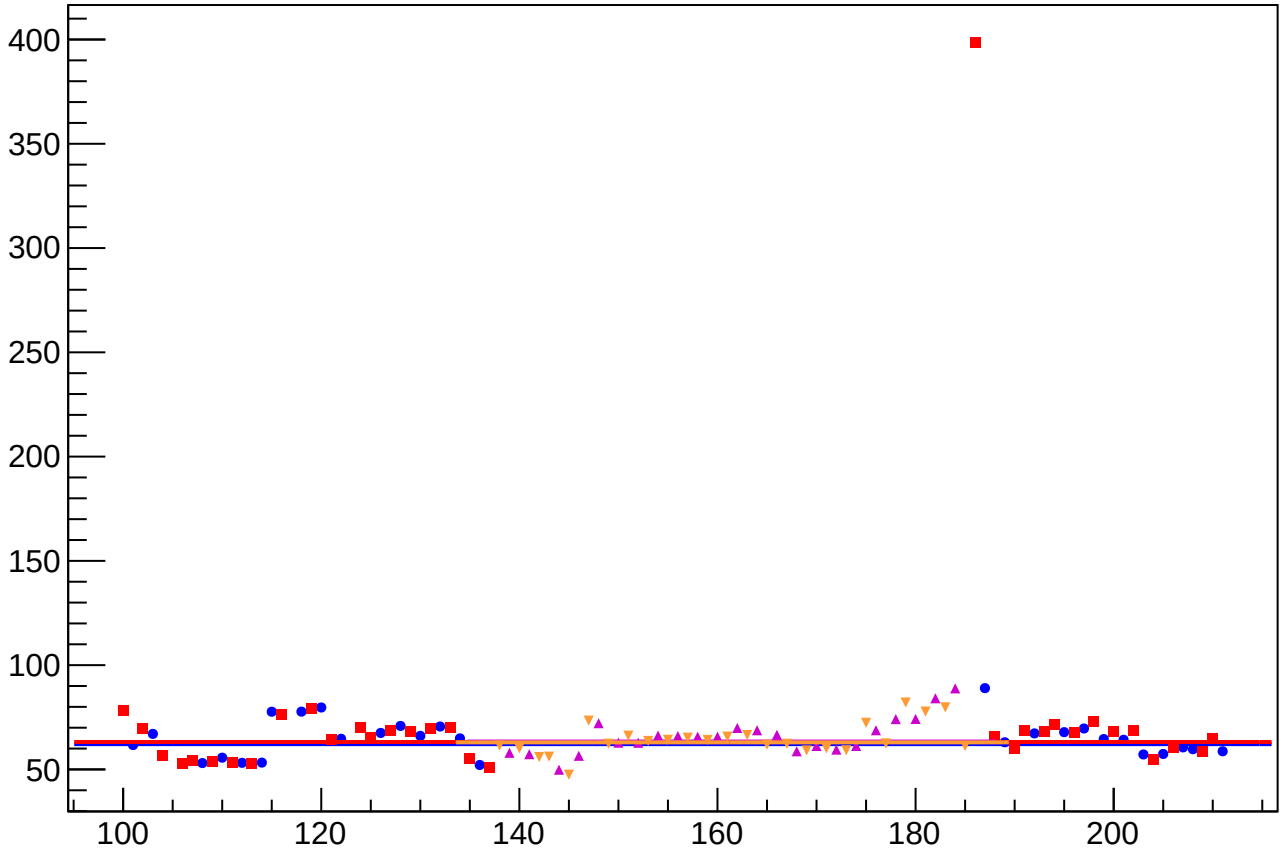
Left In: -5.776+/-14.931 χ^2/NDF:18.3/22

+ sign -7.042+/-10.517 χ^2/NDF: 79.0/52

All: -8.275+/-7.470 χ^2/NDF: 146.6/108

- sign -9.531+/-10.612 χ^2/NDF: 67.5/55

reg_asym_sam_37_48_dd_rms vs Slug



Right In: 62.127+/-0.011 χ^2/NDF: 384087.3/27

Left Out: 62.976+/-0.010 χ^2/NDF:526859.8/24

Right Out: 63.159+/-0.011 χ^2/NDF: 1025737.2/32

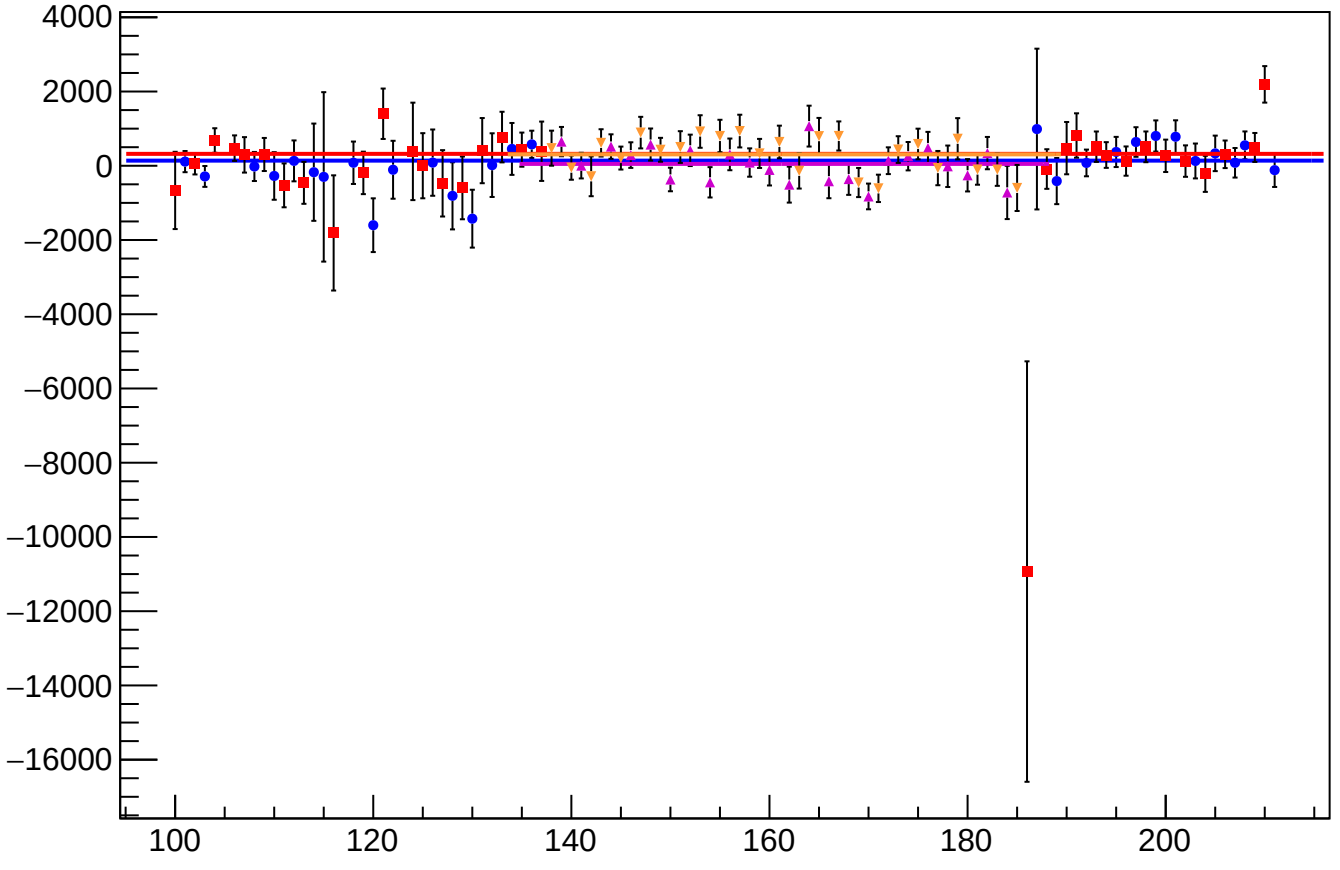
Left In: 63.365+/-0.011 χ^2/NDF:496926.2/22

+ sign 62.578+/-0.007 χ^2/NDF: 914190.9/52

All: 62.918+/-0.005 χ^2/NDF: 2441249.1/108

- sign 63.263+/-0.008 χ^2/NDF: 1522852.1/55

asym_sam_37_48_dd_reg_correction_mean vs Slug



Right In: 138.323+/-91.168 χ^2/NDF: 24.8/27

Left Out: 307.183+/-82.361 χ^2/NDF:30.6/24

Right Out: 320.607+/-86.300 χ^2/NDF: 37.1/32

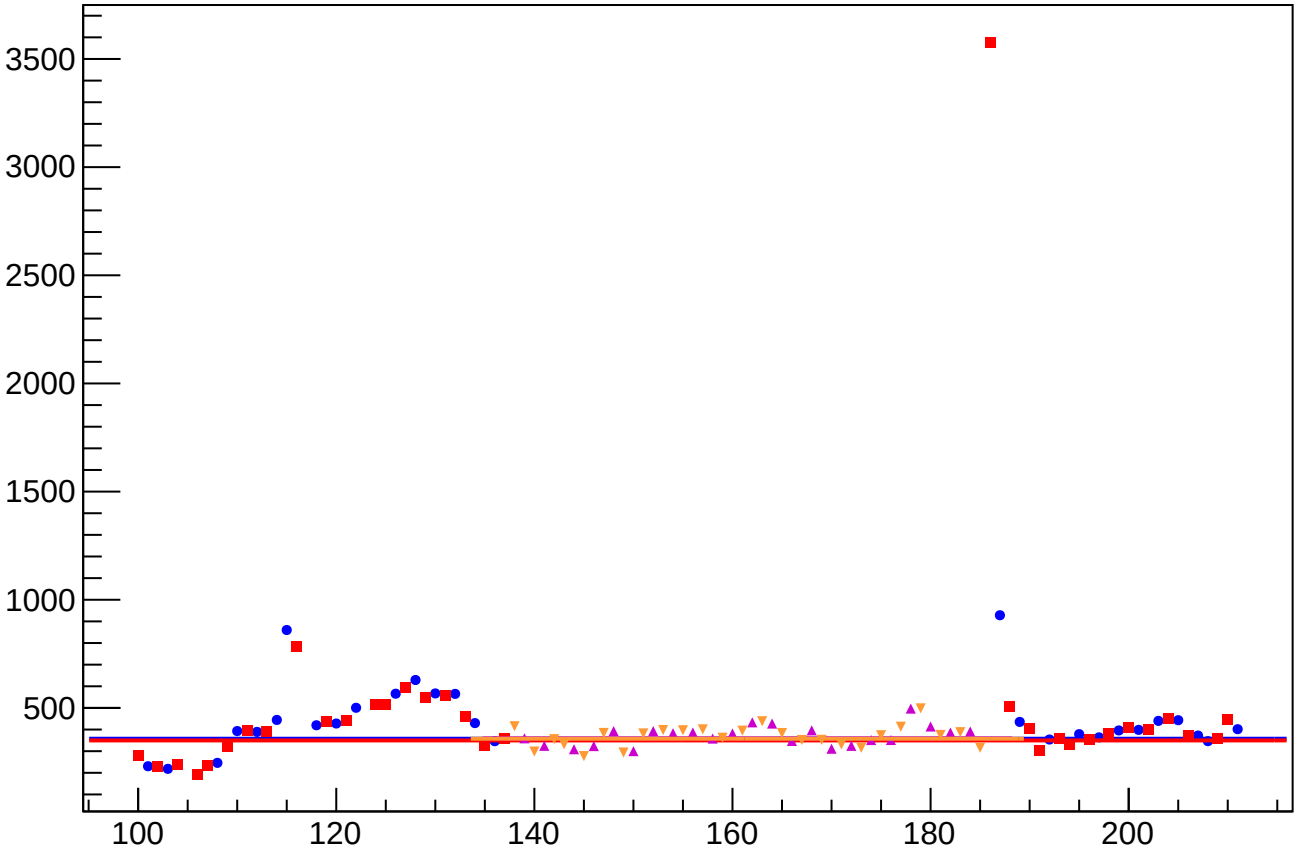
Left In: 50.030+/-84.838 χ^2/NDF:27.3/22

+ sign 231.301+/-61.115 χ^2/NDF: 57.4/52

All: 206.910+/-42.996 χ^2/NDF: 127.1/108

- sign 183.008+/-60.500 χ^2/NDF: 69.4/55

asym_sam_37_48_dd_reg_correction_rms vs Slug



Right In: 357.537+/-0.064 χ^2/NDF: 2210914.1/27

Left Out: 357.731+/-0.058 χ^2/NDF:683730.4/24

Right Out: 349.738+/-0.061 χ^2/NDF: 3066398.7/32

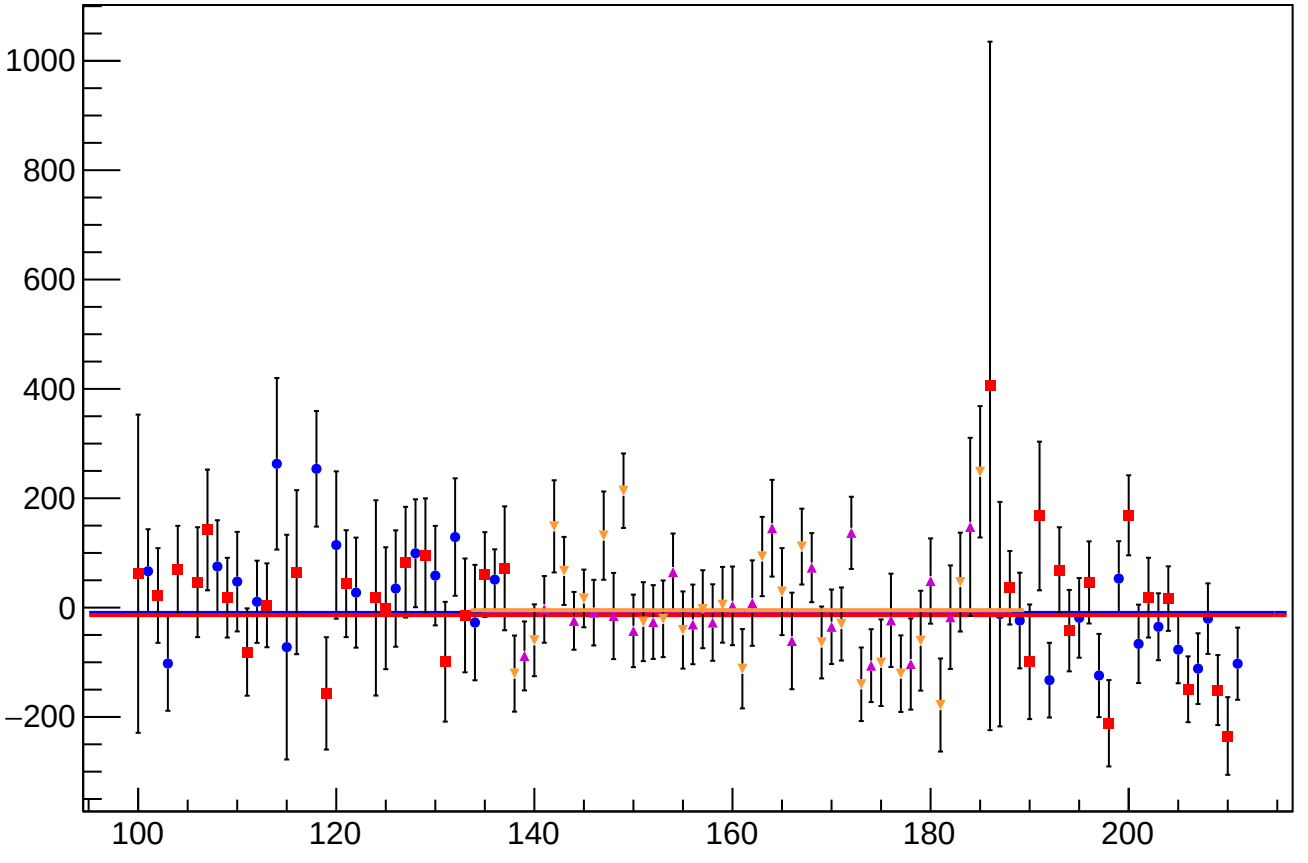
Left In: 359.350+/-0.060 χ^2/NDF:519759.9/22

+ sign 357.644+/-0.043 χ^2/NDF: 2894649.5/52

All: 356.120+/-0.030 χ^2/NDF: 6495889.9/108

- sign 354.626+/-0.043 χ^2/NDF: 3598776.7/55

cor_asym_sam_37_48_dd_mean vs Slug



Right In: -9.653+/-15.358 χ^2/NDF: 31.6/27

Left Out: -4.748+/-14.432 χ^2/NDF:47.4/24

Right Out: -13.681+/-15.092 χ^2/NDF: 48.9/32

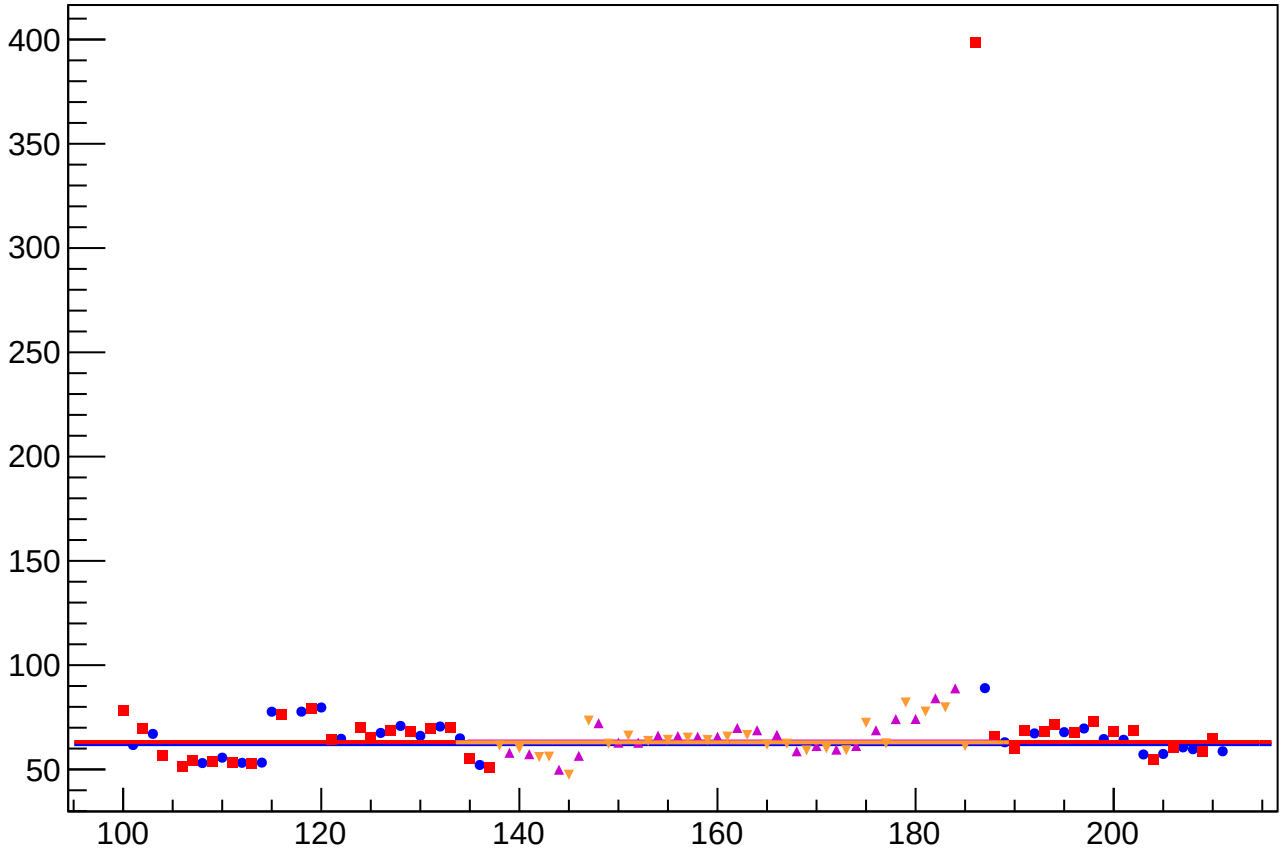
Left In: -5.775+/-14.931 χ^2/NDF:18.3/22

+ sign -7.048+/-10.517 χ^2/NDF: 79.0/52

All: -8.355+/-7.471 χ^2/NDF: 146.5/108

- sign -9.686+/-10.614 χ^2/NDF: 67.4/55

cor_asym_sam_37_48_dd_rms vs Slug



Right In: 62.127+/-0.011 χ^2/NDF: 384087.5/27

Left Out: 62.976+/-0.010 χ^2/NDF:526859.8/24

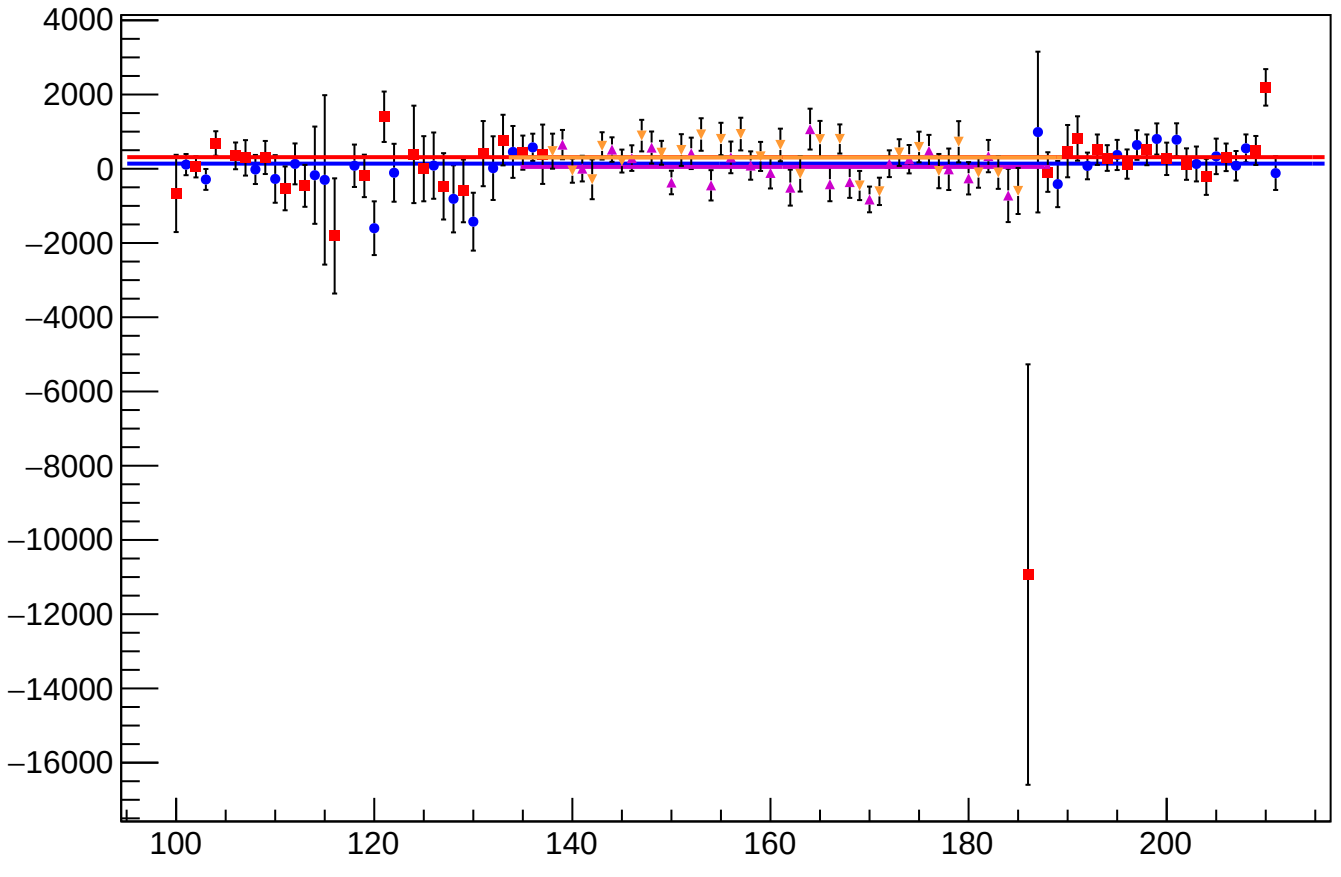
Right Out: 63.142+/-0.011 χ^2/NDF: 1029811.8/32

Left In: 63.365+/-0.011 χ^2/NDF:496926.2/22

+ sign 62.578+/-0.007 χ^2/NDF: 914191.1/52

All: 62.914+/-0.005 χ^2/NDF: 2445254.2/108

- sign 63.255+/-0.008 χ^2/NDF: 1526958.7/55



Right In: 138.329+/-91.169 χ^2/NDF: 24.8/27

Left Out: 307.177+/-82.361 χ^2/NDF:30.6/24

Right Out: 312.608+/-86.542 χ^2/NDF: 36.9/32

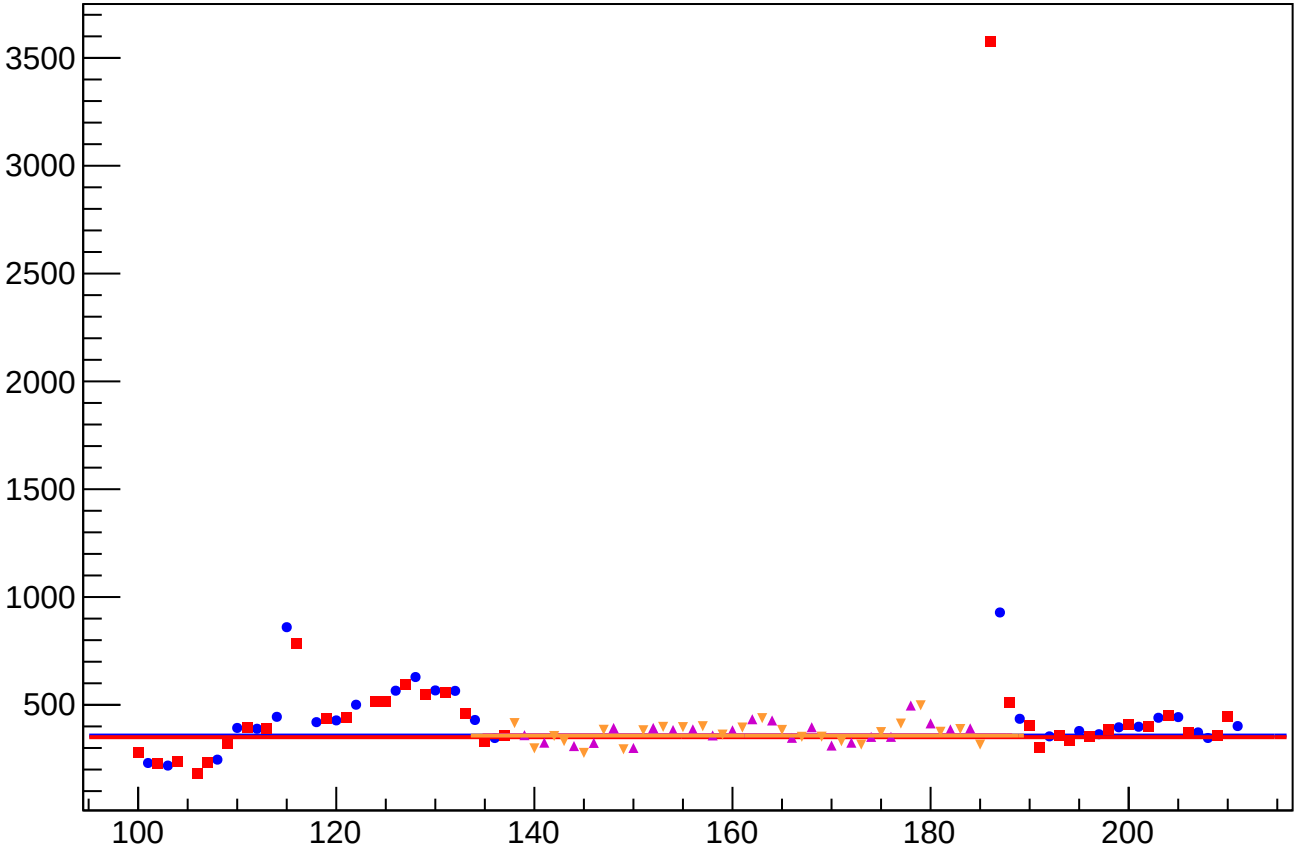
Left In: 50.029+/-84.838 χ^2/NDF:27.3/22

+ sign 231.300+/-61.115 χ^2/NDF: 57.4/52

All: 204.774+/-43.026 χ^2/NDF: 126.6/108

- sign 178.708+/-60.583 χ^2/NDF: 68.9/55

asym_sam_37_48_dd_cor_correction_rms vs Slug



Right In: 357.539+/-0.064 χ^2/NDF: 2210830.9/27

Left Out: 357.732+/-0.058 χ^2/NDF:683726.4/24

Right Out: 350.033+/-0.061 χ^2/NDF: 3081071.0/32

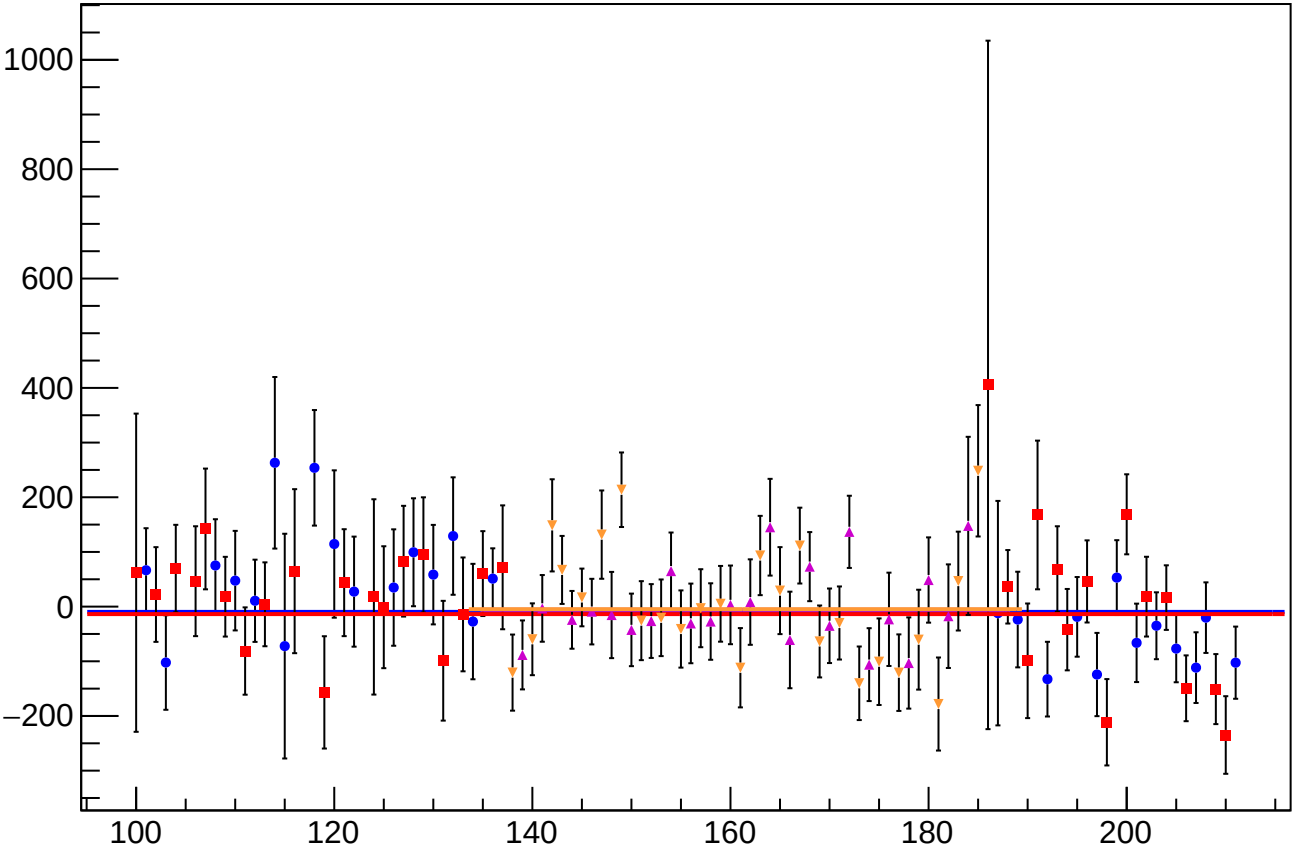
Left In: 359.350+/-0.060 χ^2/NDF:519762.7/22

+ sign 357.645+/-0.043 χ^2/NDF: 2894562.3/52

All: 356.202+/-0.030 χ^2/NDF: 6509427.1/108

- sign 354.784+/-0.043 χ^2/NDF: 3612654.5/55

eigen_cor_asym_sam_37_48_dd_mean vs Slug



Right In: -9.653+/-15.358 χ^2/NDF: 31.6/27

Left Out: -4.748+/-14.432 χ^2/NDF:47.4/24

Right Out: -13.681+/-15.092 χ^2/NDF: 48.9/32

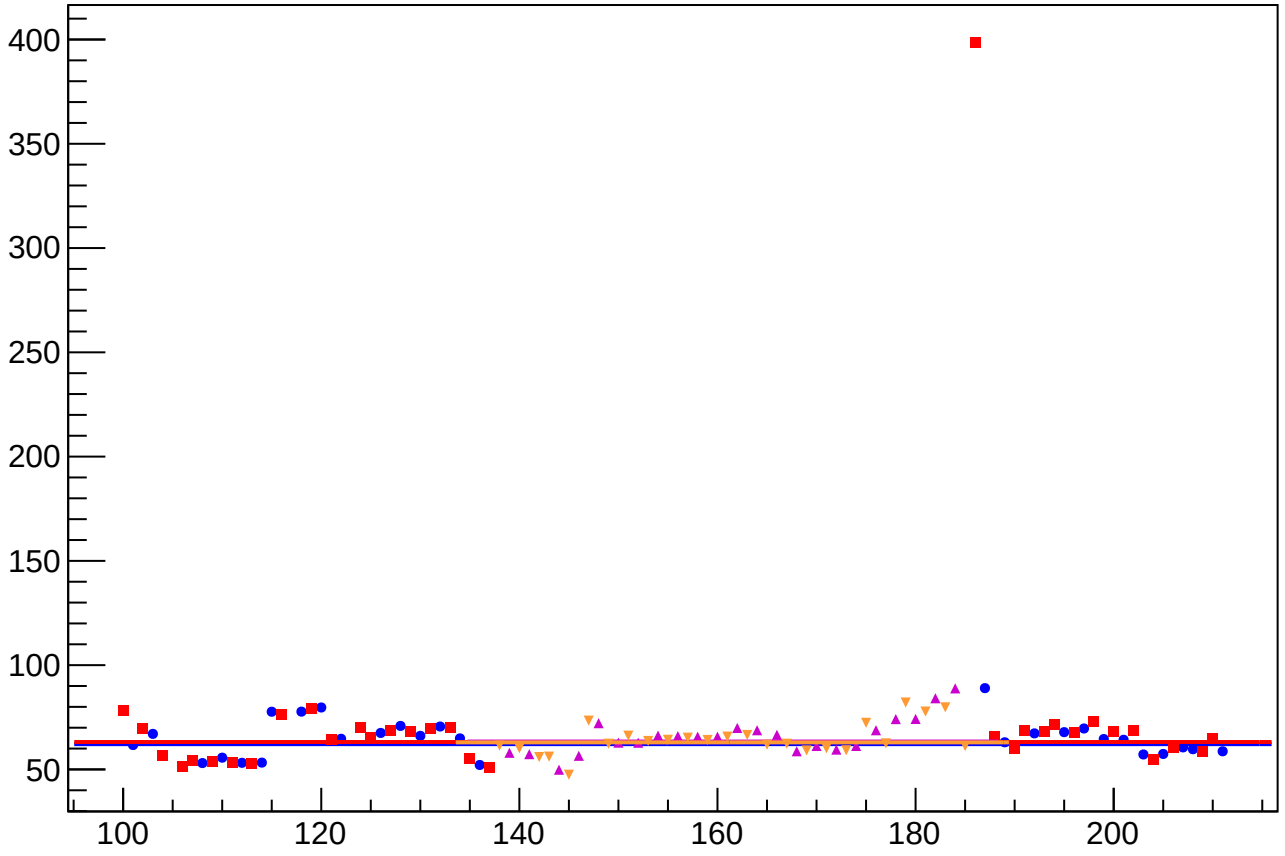
Left In: -5.775+/-14.931 χ^2/NDF:18.3/22

+ sign -7.048+/-10.517 χ^2/NDF: 79.0/52

All: -8.355+/-7.471 χ^2/NDF: 146.5/108

- sign -9.686+/-10.614 χ^2/NDF: 67.4/55

eigen_cor_asym_sam_37_48_dd_rms vs Slug



Right In: 62.127+/-0.011 χ^2/NDF: 384087.5/27

Left Out: 62.976+/-0.010 χ^2/NDF:526859.8/24

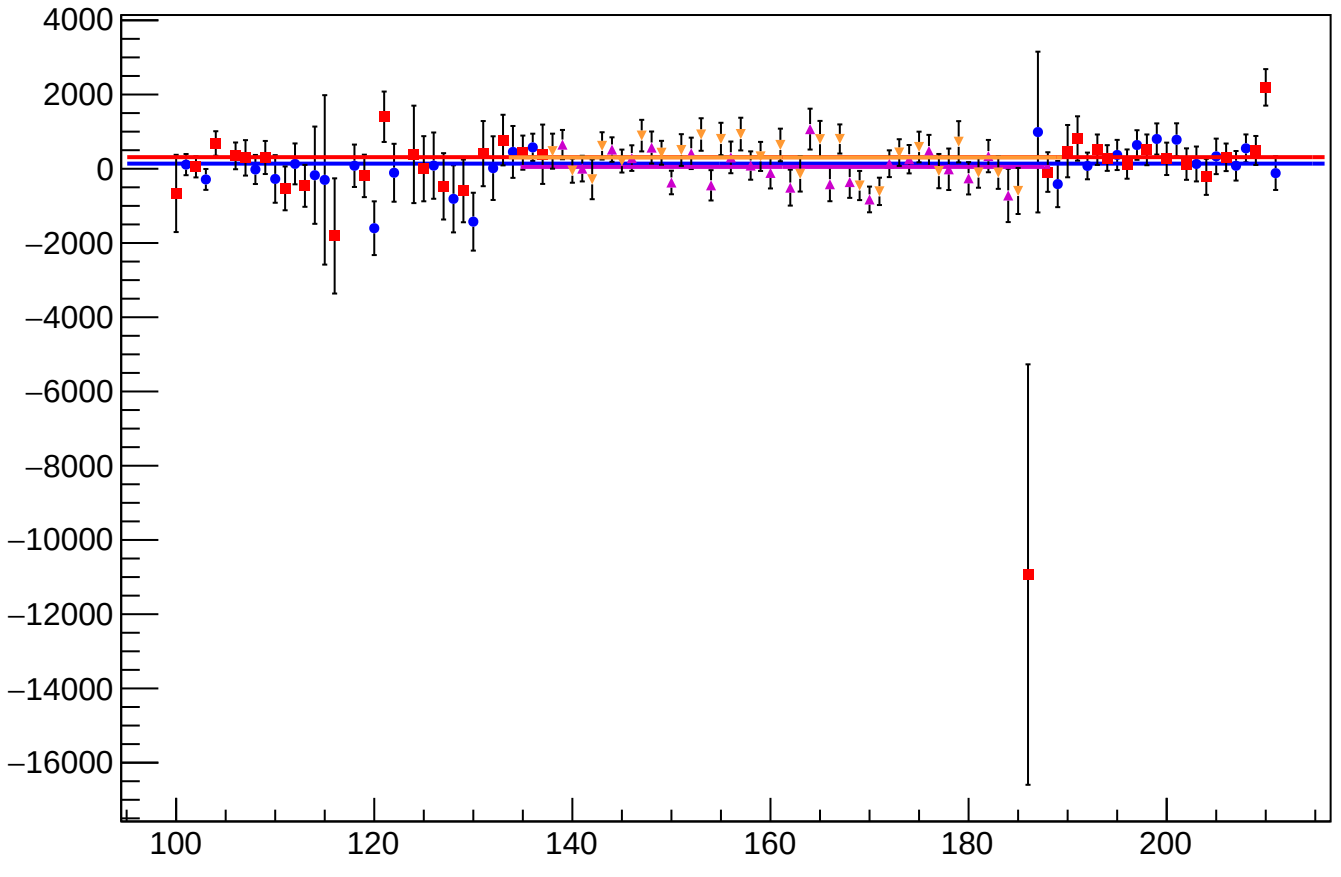
Right Out: 63.142+/-0.011 χ^2/NDF: 1029811.8/32

Left In: 63.365+/-0.011 χ^2/NDF:496926.2/22

\+ sign 62.578+/-0.007 χ^2/NDF: 914191.1/52

All: 62.914+/-0.005 χ^2/NDF: 2445254.2/108

\- sign 63.255+/-0.008 χ^2/NDF: 1526958.7/55



Right In: 138.329+/-91.169 χ^2/NDF: 24.8/27

Left Out: 307.177+/-82.361 χ^2/NDF:30.6/24

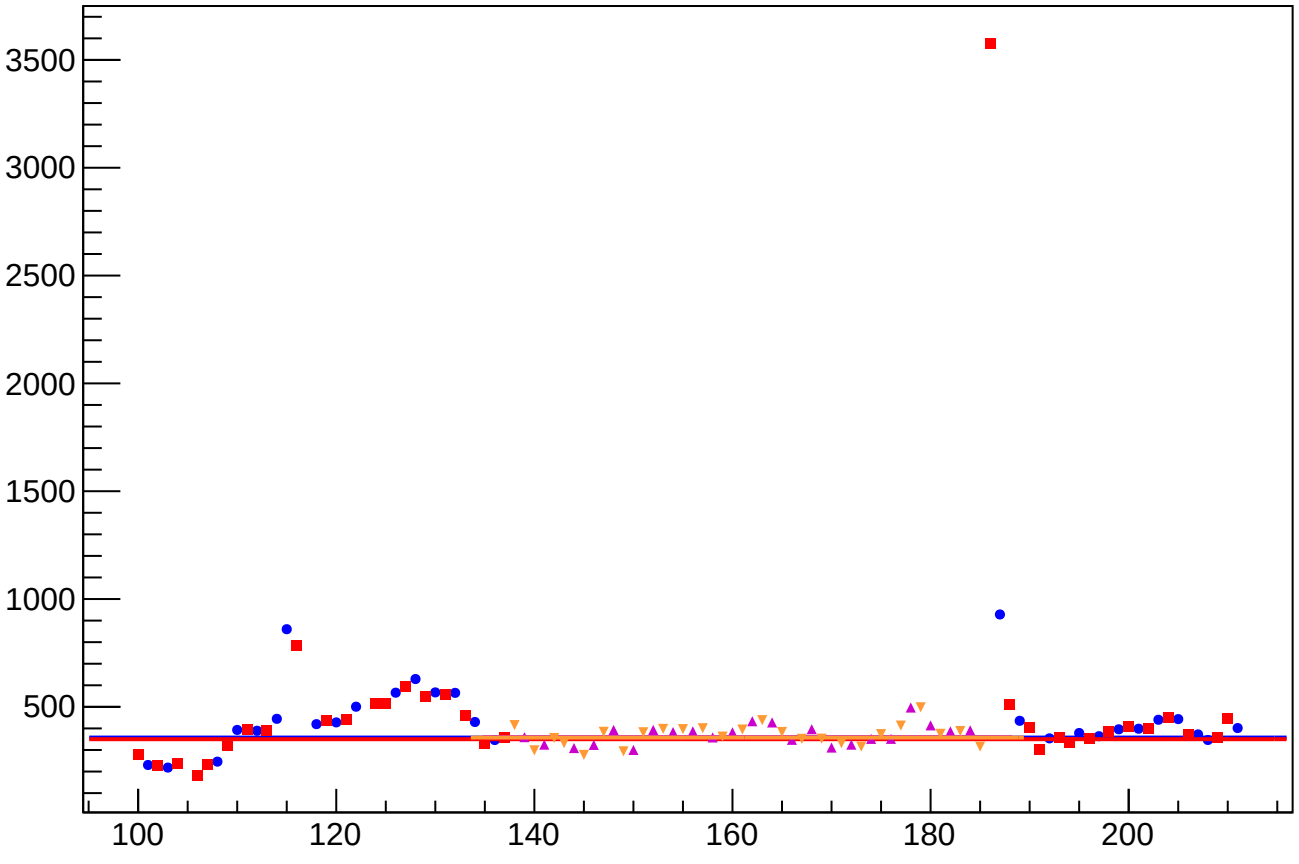
Right Out: 312.608+/-86.542 χ^2/NDF: 36.9/32

Left In: 50.029+/-84.838 χ^2/NDF:27.3/22

+ sign 231.300+/-61.115 χ^2/NDF: 57.4/52

All: 204.774+/-43.026 χ^2/NDF: 126.6/108

- sign 178.708+/-60.583 χ^2/NDF: 68.9/55



Right In: 357.539+/-0.064 χ^2/NDF: 2210830.9/27

Left Out: 357.732+/-0.058 χ^2/NDF:683726.4/24

Right Out: 350.033+/-0.061 χ^2/NDF: 3081071.0/32

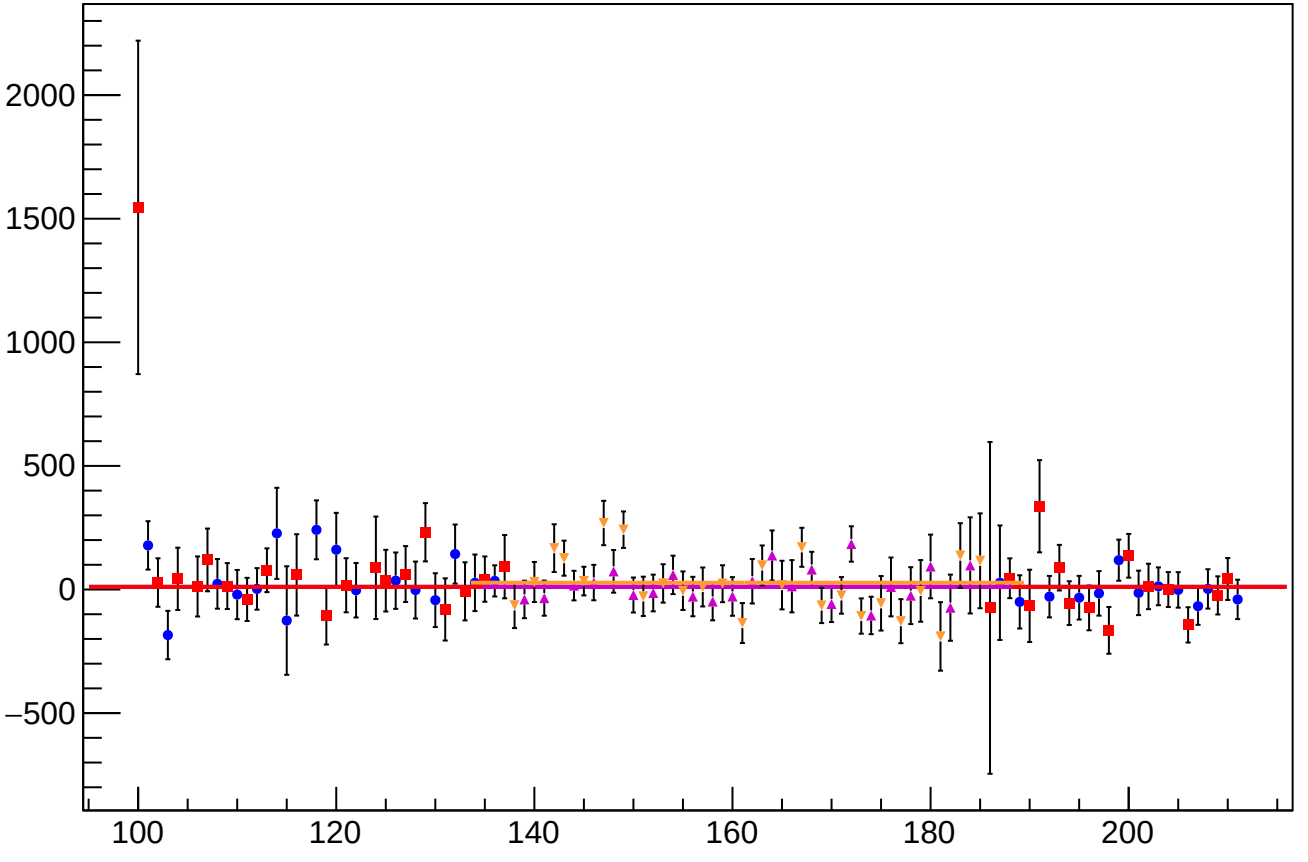
Left In: 359.350+/-0.060 χ^2/NDF:519762.7/22

+ sign 357.645+/-0.043 χ^2/NDF: 2894562.3/52

All: 356.202+/-0.030 χ^2/NDF: 6509427.1/108

- sign 354.784+/-0.043 χ^2/NDF: 3612654.5/55

dit_asym_sam_37_48_dd_mean vs Slug



Right In: 10.941+/-18.092 χ^2/NDF: 19.4/27

Left Out: 27.627+/-16.742 χ^2/NDF:42.4/24

Right Out: 10.517+/-18.014 χ^2/NDF: 29.2/32

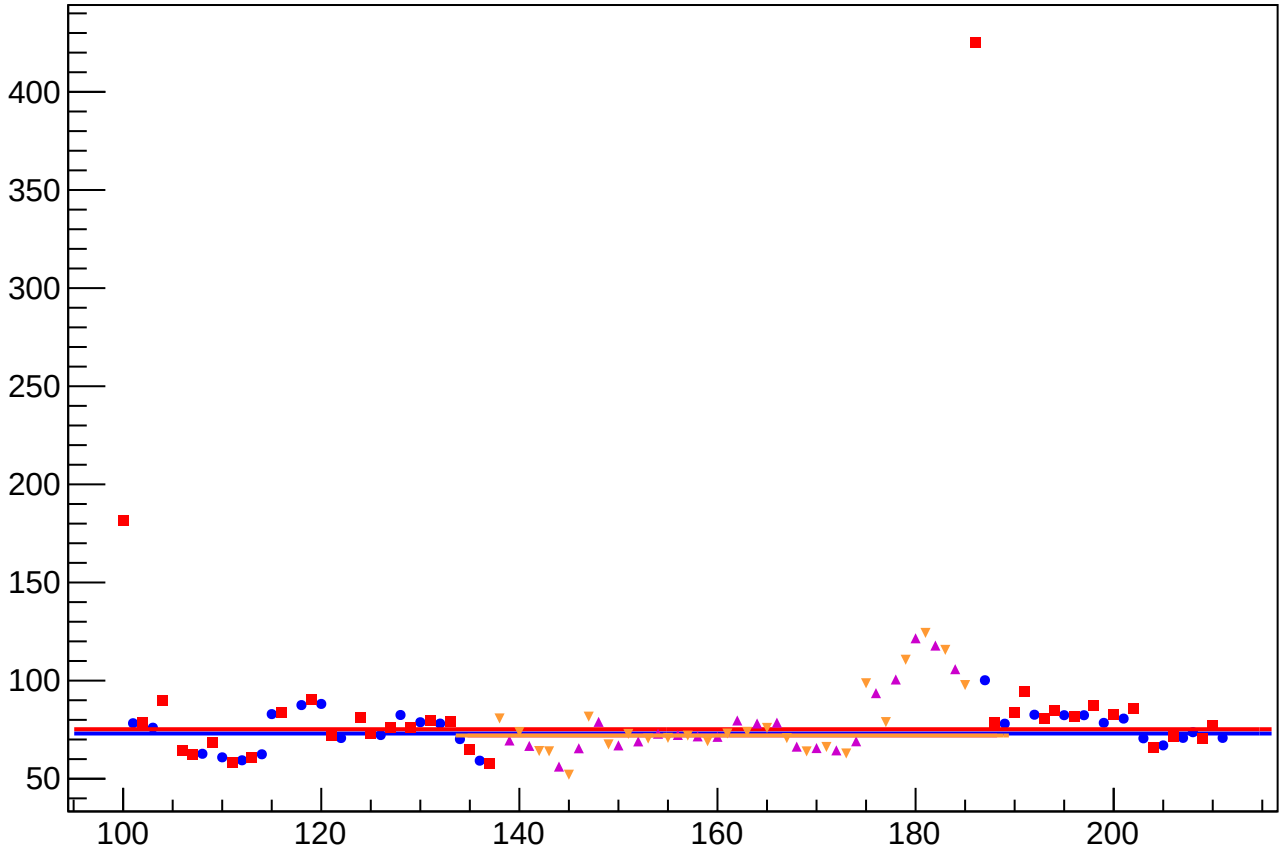
Left In: 10.521+/-17.225 χ^2/NDF:16.1/22

+ sign 19.930+/-12.288 χ^2/NDF: 62.2/52

All: 15.286+/-8.746 χ^2/NDF: 107.8/108

- sign 10.519+/-12.450 χ^2/NDF: 45.2/55

dit_asym_sam_37_48_dd_rms vs Slug



Right In: 73.051+/-0.013 χ^2/NDF: 437143.3/27

Left Out: 72.041+/-0.012 χ^2/NDF:1269471.8/24

Right Out: 75.235+/-0.013 χ^2/NDF: 1103939.5/32

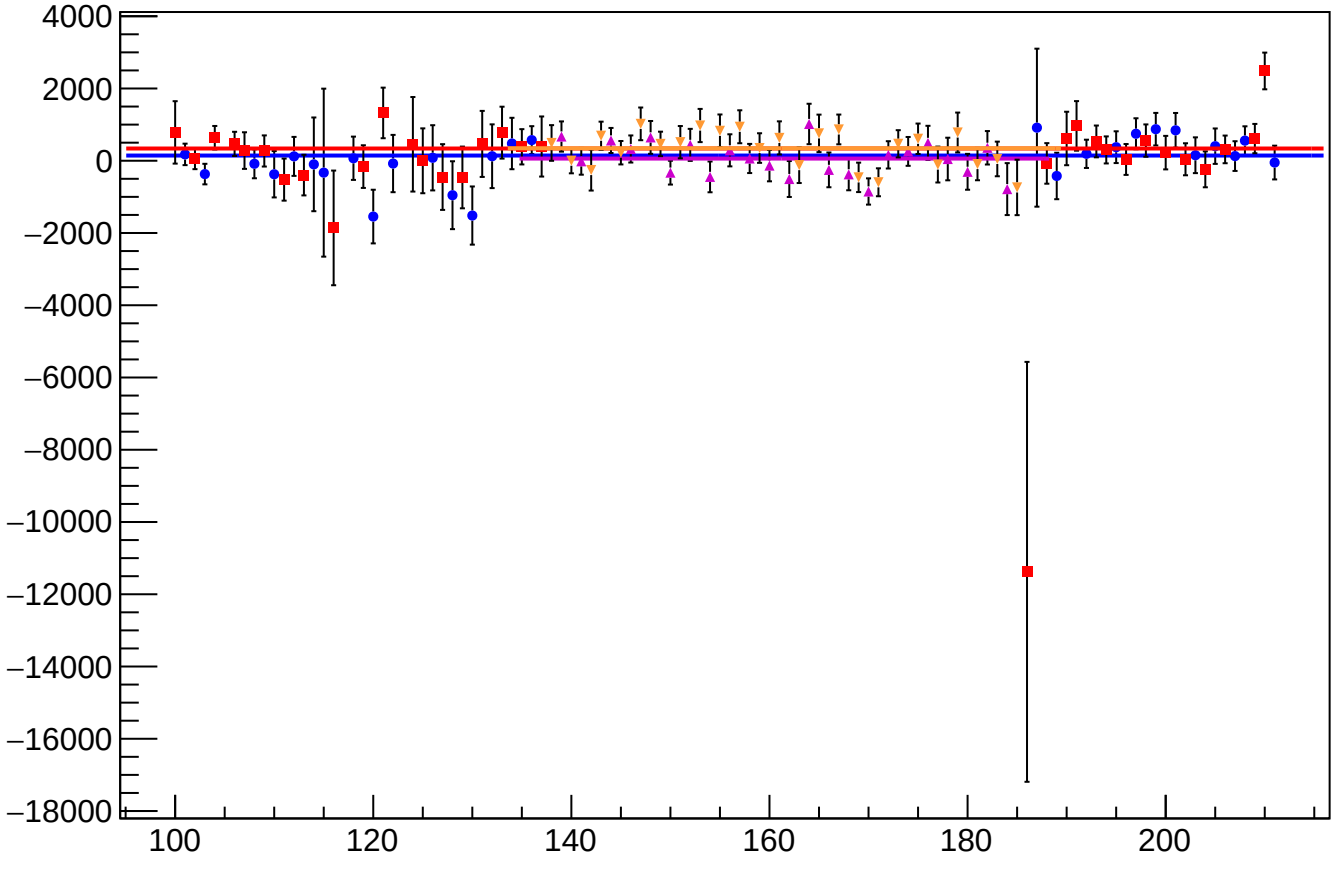
Left In: 72.092+/-0.012 χ^2/NDF:1058857.2/22

+ sign 72.507+/-0.009 χ^2/NDF: 1709973.8/52

All: 73.043+/-0.006 χ^2/NDF: 3912295.0/108

- sign 73.593+/-0.009 χ^2/NDF: 2194603.3/55

asym_sam_37_48_dd_dit_correction_mean vs Slug



Right In: 143.897+/-95.007 χ^2/NDF: 26.1/27

Left Out: 345.973+/-86.822 χ^2/NDF:28.9/24

Right Out: 338.506+/-88.991 χ^2/NDF: 39.7/32

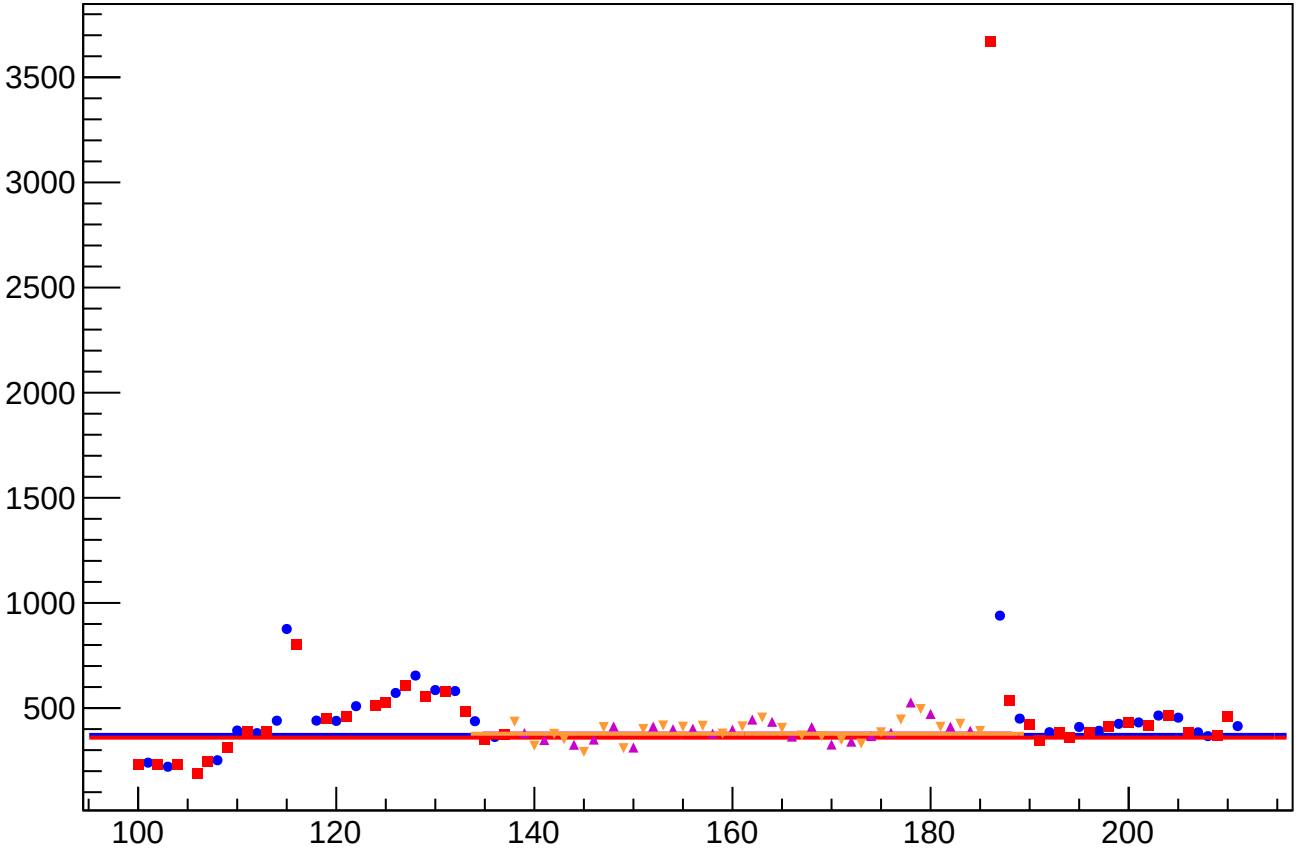
Left In: 59.908+/-89.411 χ^2/NDF:25.8/22

+ sign 254.013+/-64.091 χ^2/NDF: 57.5/52

All: 226.505+/-44.955 χ^2/NDF: 128.3/108

- sign 199.864+/-63.074 χ^2/NDF: 70.4/55

asym_sam_37_48_dd_dit_correction_rms vs Slug



Right In: 372.418+/-0.067 χ^2/NDF: 2279731.4/27

Left Out: 377.797+/-0.061 χ^2/NDF:636714.9/24

Right Out: 359.396+/-0.063 χ^2/NDF: 3347925.5/32

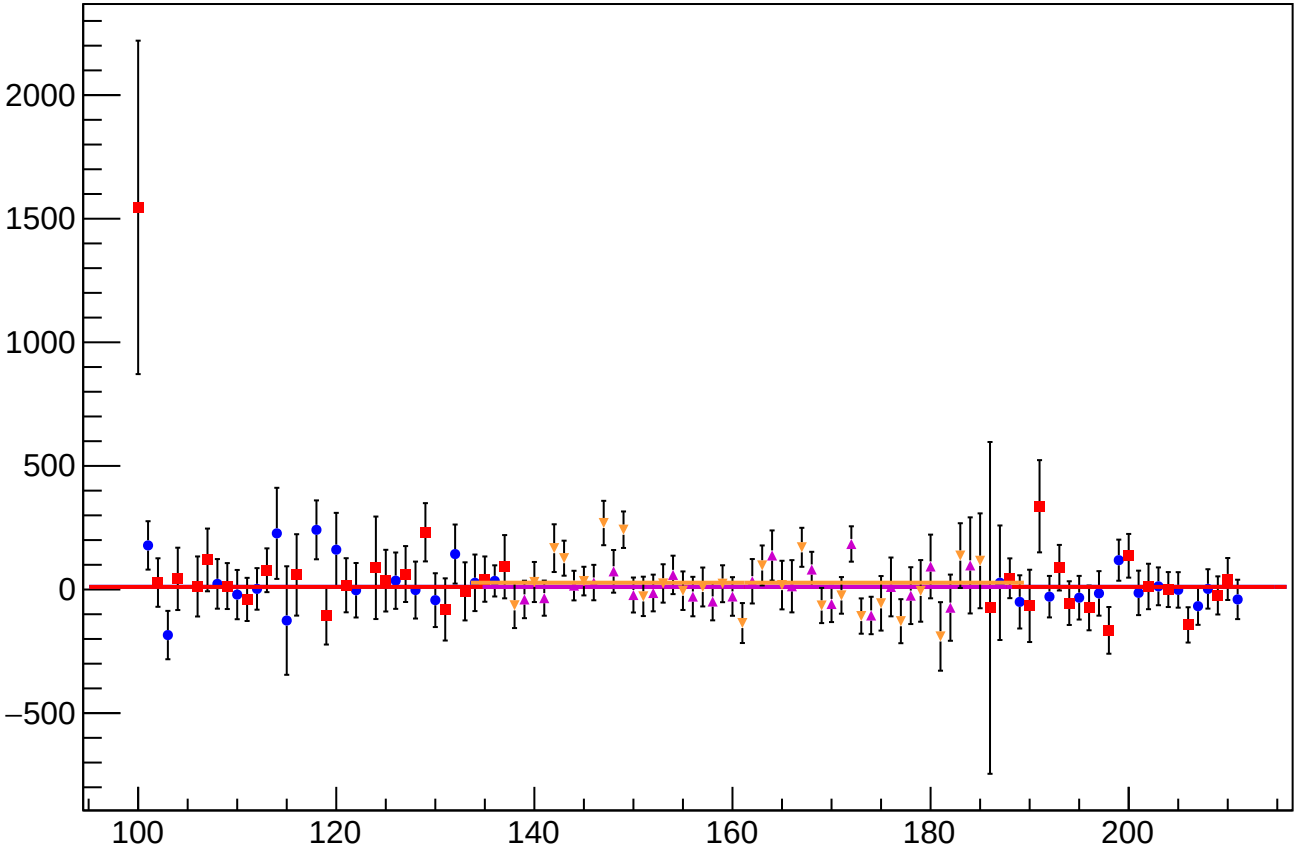
Left In: 378.869+/-0.063 χ^2/NDF:527685.1/22

+ sign 375.349+/-0.045 χ^2/NDF: 2919939.8/52

All: 372.168+/-0.032 χ^2/NDF: 6852905.5/108

- sign 369.087+/-0.045 χ^2/NDF: 3923266.9/55

eigen_dit_asym_sam_37_48_dd_mean vs Slug



Right In: 10.942+/-18.092 χ^2/NDF: 19.4/27

Left Out: 27.626+/-16.742 χ^2/NDF:42.4/24

Right Out: 10.516+/-18.014 χ^2/NDF: 29.2/32

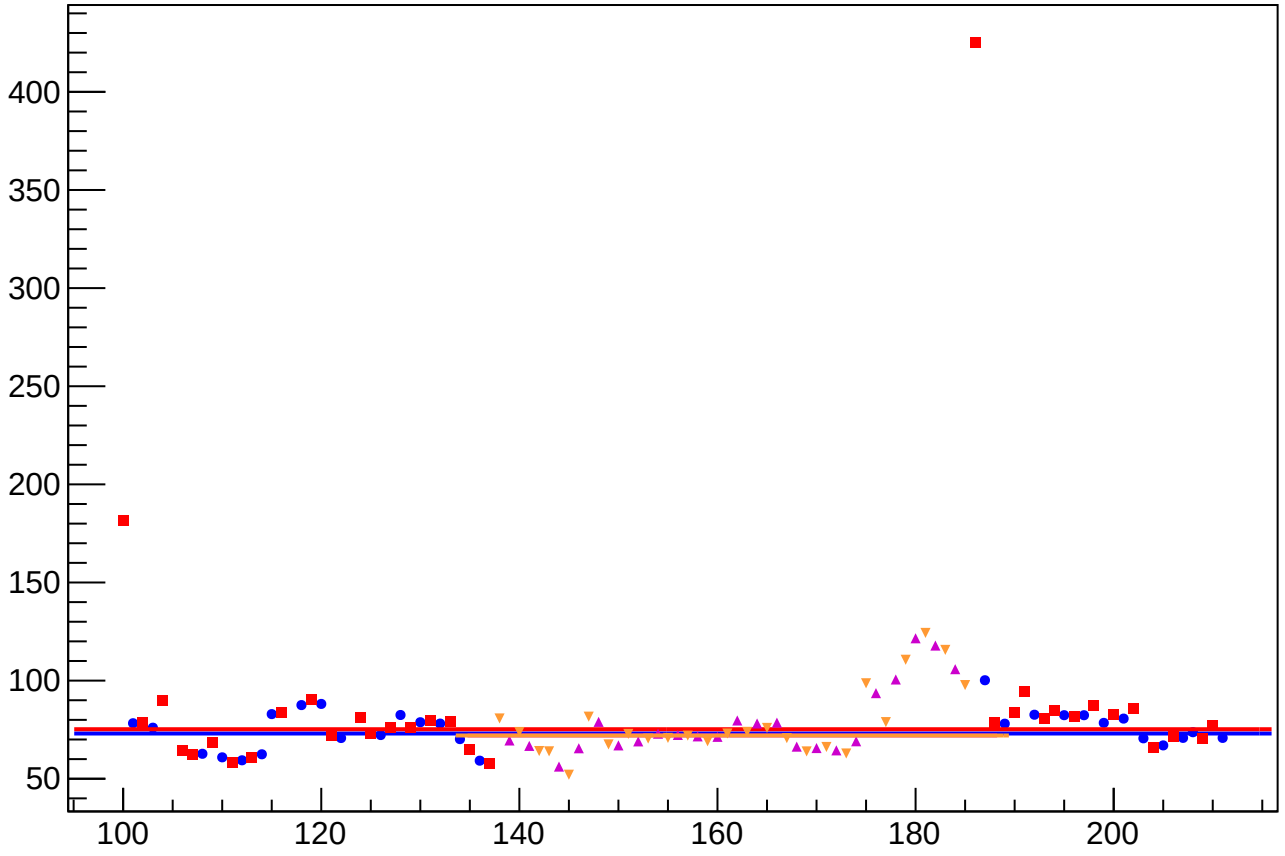
Left In: 10.521+/-17.225 χ^2/NDF:16.1/22

+ sign 19.930+/-12.288 χ^2/NDF: 62.2/52

All: 15.286+/-8.746 χ^2/NDF: 107.8/108

- sign 10.519+/-12.450 χ^2/NDF: 45.2/55

eigen_dit_asym_sam_37_48_dd_rms vs Slug



Right In: 73.051+/-0.013 χ^2/NDF: 437141.1/27

Left Out: 72.041+/-0.012 χ^2/NDF:1269479.1/24

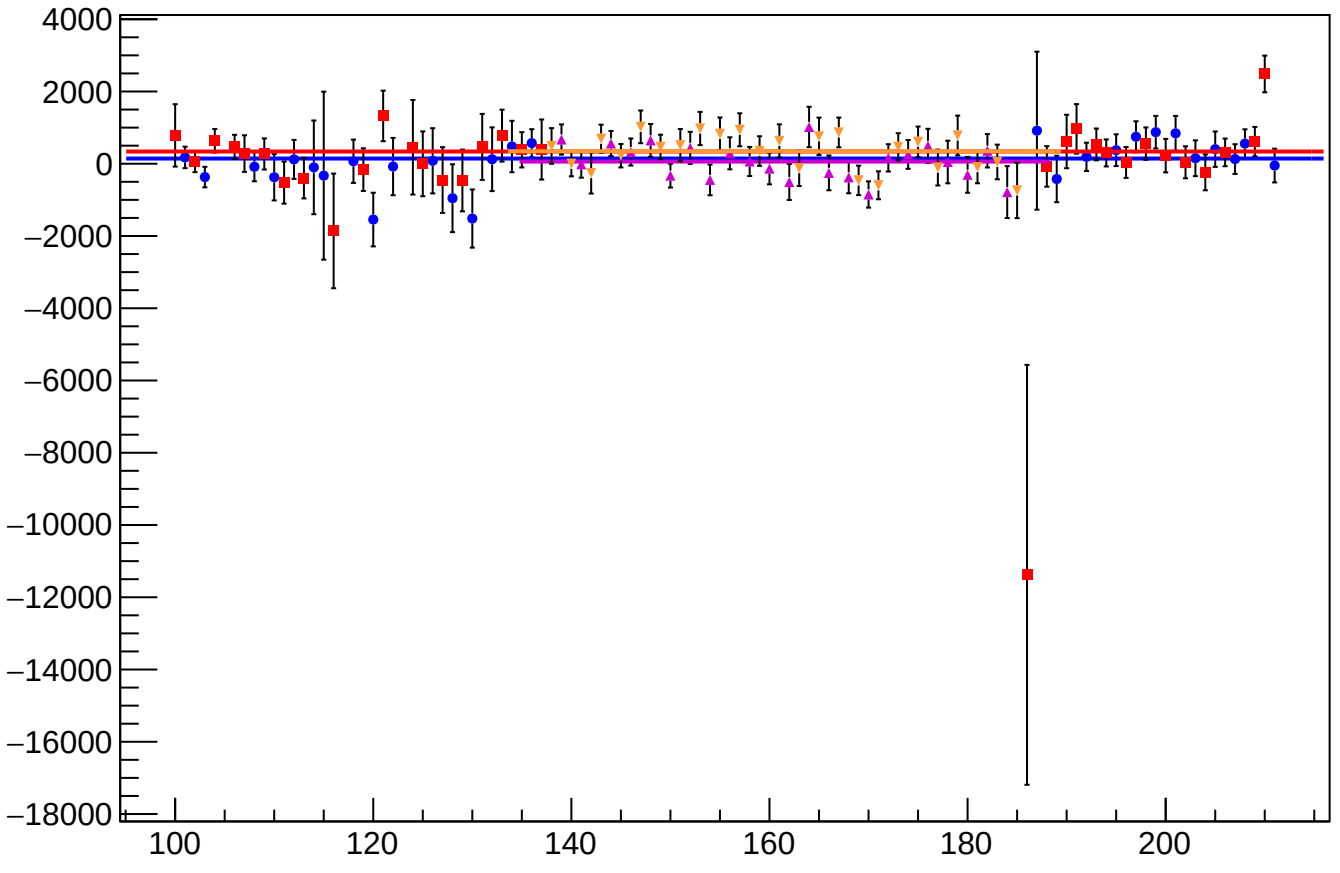
Right Out: 75.235+/-0.013 χ^2/NDF: 1103939.8/32

Left In: 72.092+/-0.012 χ^2/NDF:1058847.4/22

+ sign 72.507+/-0.009 χ^2/NDF: 1709979.2/52

All: 73.043+/-0.006 χ^2/NDF: 3912290.3/108

- sign 73.593+/-0.009 χ^2/NDF: 2194593.6/55



Right In: 143.897+/-95.007 χ^2/NDF: 26.1/27

Left Out: 345.972+/-86.822 χ^2/NDF:28.9/24

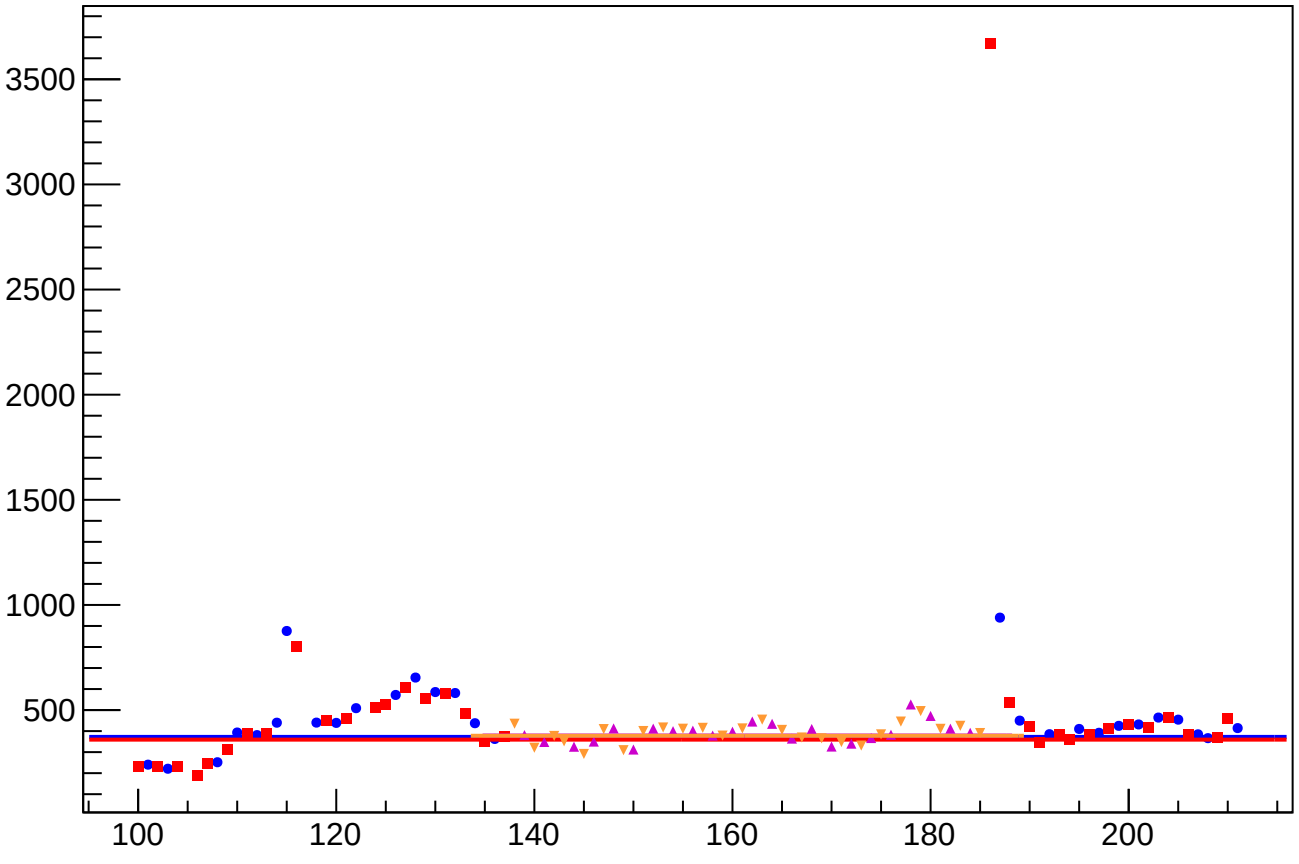
Right Out: 338.505+/-88.991 χ^2/NDF: 39.7/32

Left In: 59.907+/-89.411 χ^2/NDF:25.8/22

+ sign 254.012+/-64.091 χ^2/NDF: 57.5/52

All: 226.505+/-44.955 χ^2/NDF: 128.3/108

- sign 199.863+/-63.074 χ^2/NDF: 70.4/55



Right In: 372.418+/-0.067 χ^2/NDF: 2279722.1/27

Left Out: 377.796+/-0.061 χ^2/NDF:636714.9/24

Right Out: 359.396+/-0.063 χ^2/NDF: 3347911.9/32

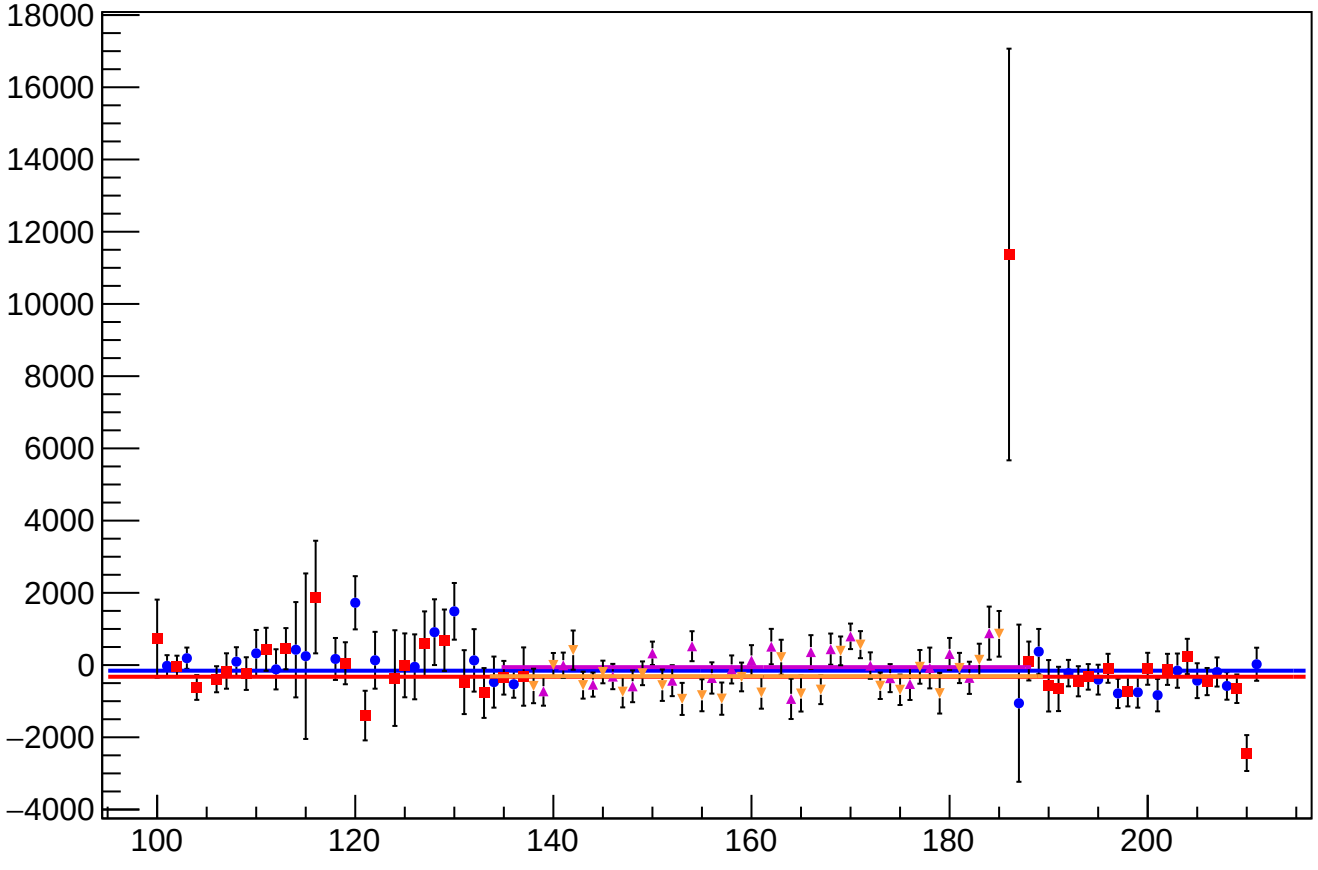
Left In: 378.869+/-0.063 χ^2/NDF:527680.9/22

+ sign 375.349+/-0.045 χ^2/NDF: 2919929.8/52

All: 372.168+/-0.032 χ^2/NDF: 6852877.2/108

- sign 369.087+/-0.045 χ^2/NDF: 3923248.3/55

asym_sam_37_48_dd_mean vs Slug



Right In: -155.836+/-92.986 χ^2/NDF: 26.5/27

Left Out: -309.330+/-83.706 χ^2/NDF:30.0/24

Right Out: -323.679+/-88.171 χ^2/NDF: 41.5/32

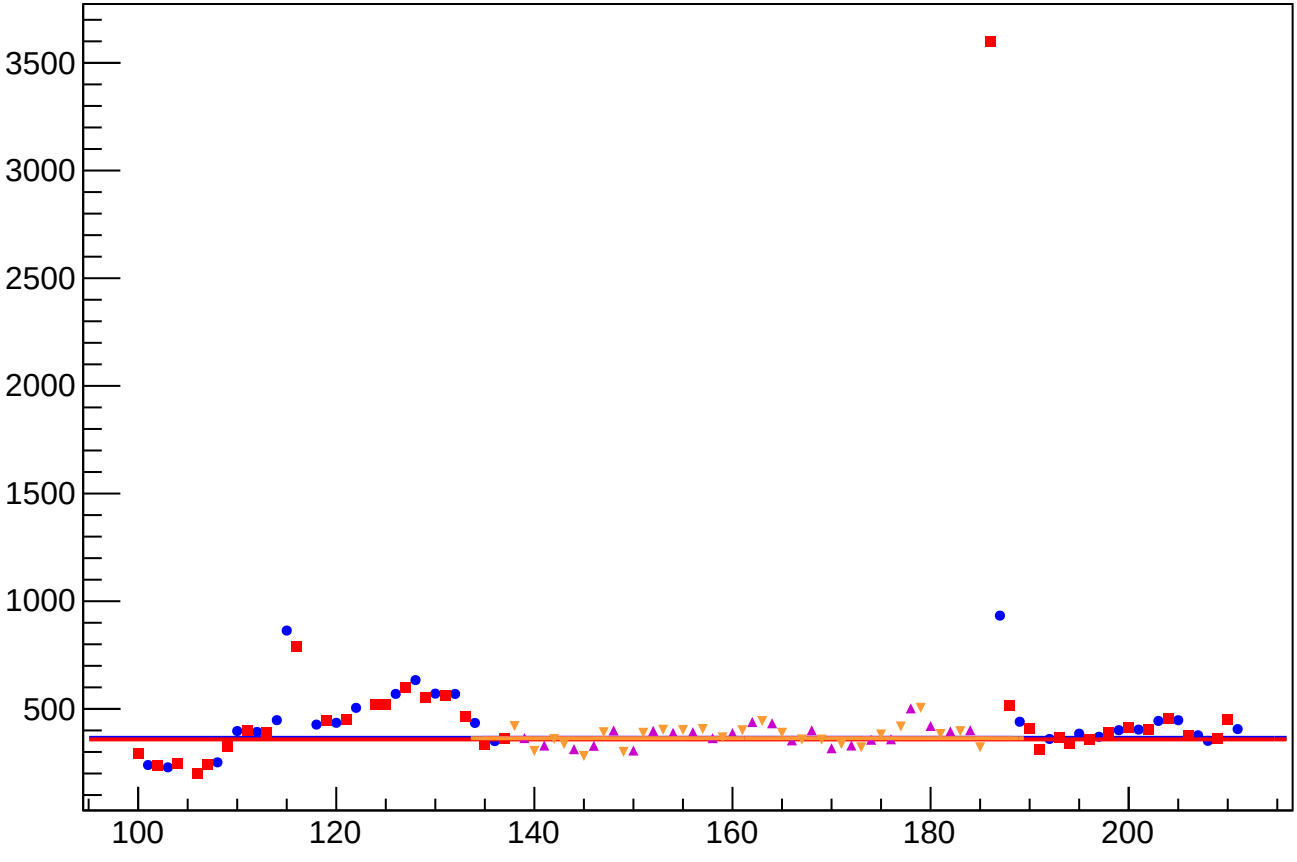
Left In: -57.543+/-86.225 χ^2/NDF:28.0/22

+ sign -240.623+/-62.212 χ^2/NDF: 57.9/52

All: -213.891+/-43.789 χ^2/NDF: 132.4/108

- sign -187.642+/-61.647 χ^2/NDF: 74.1/55

asym_sam_37_48_dd_rms vs Slug



Right In: 365.639+/-0.066 χ^2/NDF: 2047963.5/27

Left Out: 363.714+/-0.059 χ^2/NDF:669244.7/24

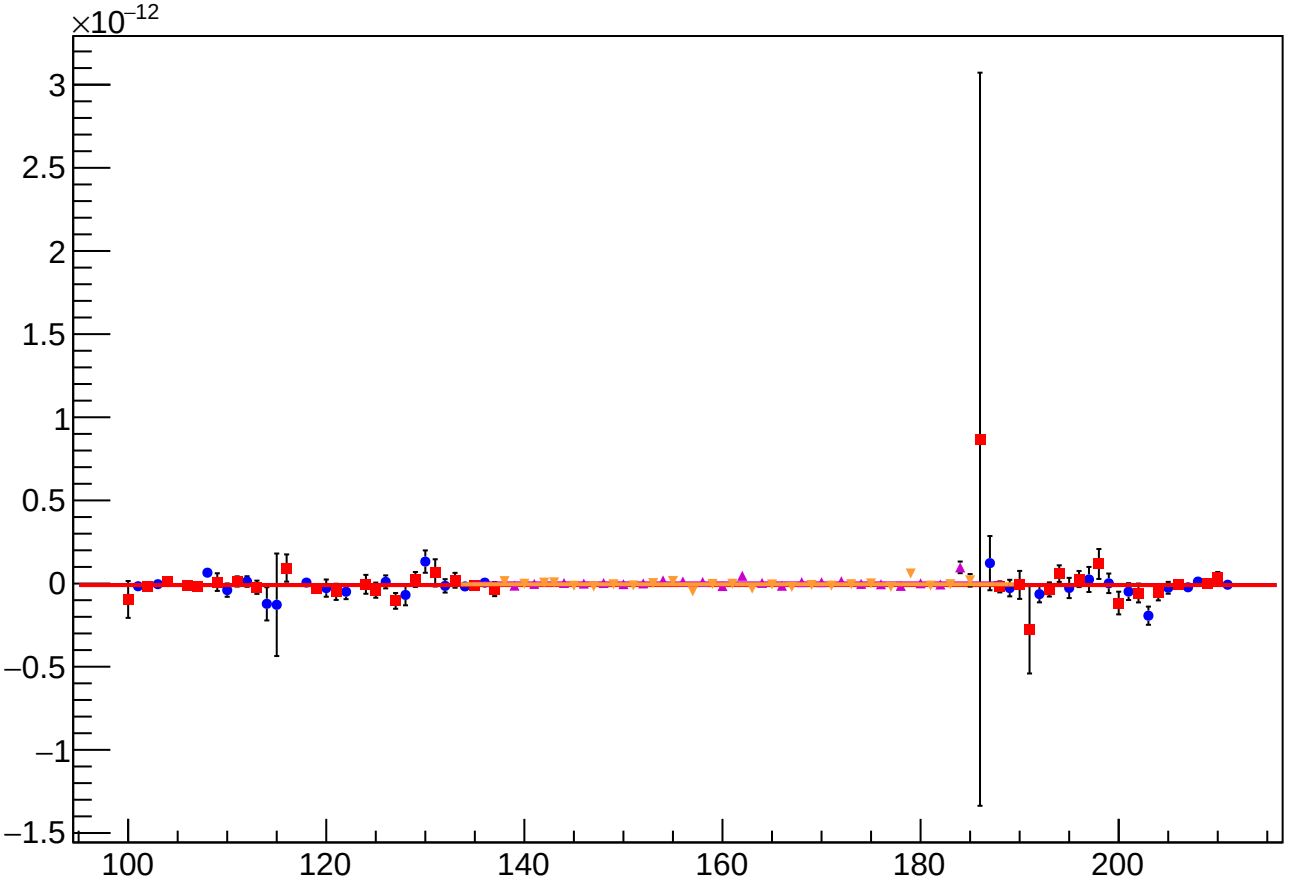
Right Out: 358.388+/-0.062 χ^2/NDF: 2875877.8/32

Left In: 365.324+/-0.061 χ^2/NDF:509496.4/22

+ sign 364.576+/-0.044 χ^2/NDF: 2717681.9/52

All: 363.243+/-0.031 χ^2/NDF: 6111202.4/108

- sign 361.933+/-0.044 χ^2/NDF: 3391700.0/55



Right In: -0.000+/-0.000 χ^2/NDF: 32.3/27

Left Out: -0.000+/-0.000 χ^2/NDF:21.9/24

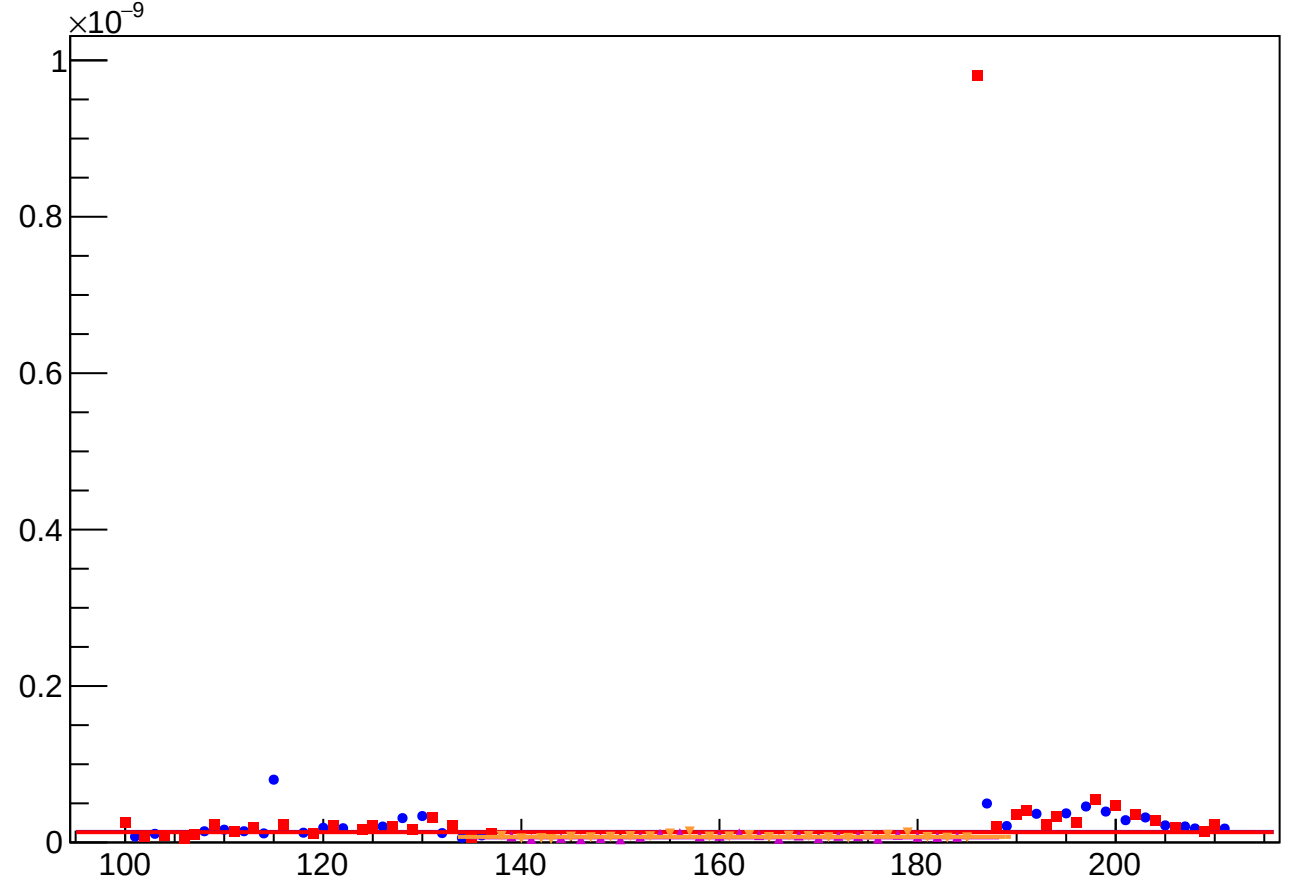
Right Out: -0.000+/-0.000 χ^2/NDF: 25.1/32

Left In: 0.000+/-0.000 χ^2/NDF:21.7/22

+ sign -0.000+/-0.000 χ^2/NDF: 54.6/52

All: -0.000+/-0.000 χ^2/NDF: 106.0/108

- sign -0.000+/-0.000 χ^2/NDF: 49.7/55



Right In: 0.000+/-0.000 χ^2/NDF: 4002527.4/27

Left Out: 0.000+/-0.000 χ^2/NDF:872904.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4867471.9/32

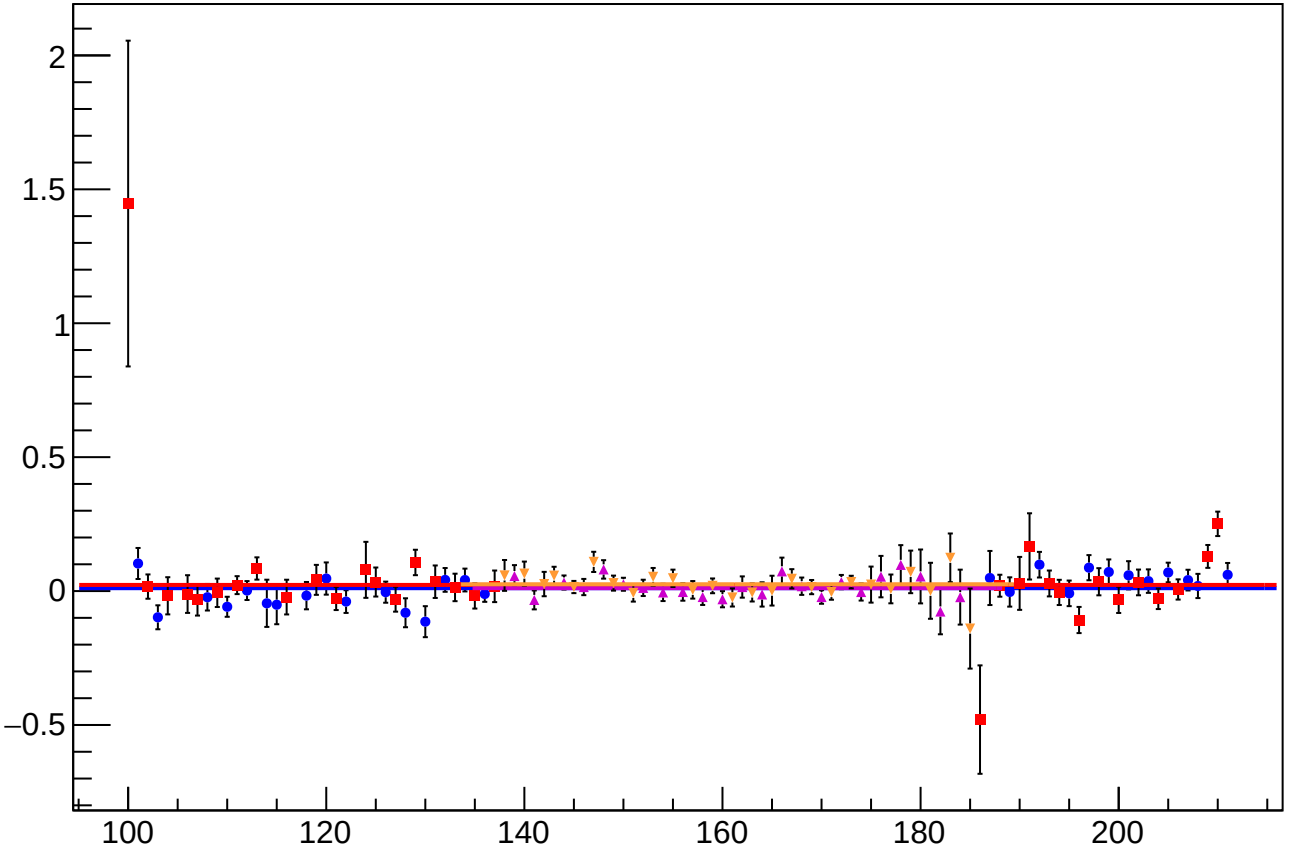
Left In: 0.000+/-0.000 χ^2/NDF:1216388.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 6912014.0/52

All: 0.000+/-0.000 χ^2/NDF: 15419525.9/108

- sign 0.000+/-0.000 χ^2/NDF: 8448950.8/55

asym_sam_37_48_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.011+/-0.009 χ^2/NDF: 38.5/27

Left Out: 0.025+/-0.007 χ^2/NDF:17.4/24

Right Out: 0.023+/-0.009 χ^2/NDF: 66.7/32

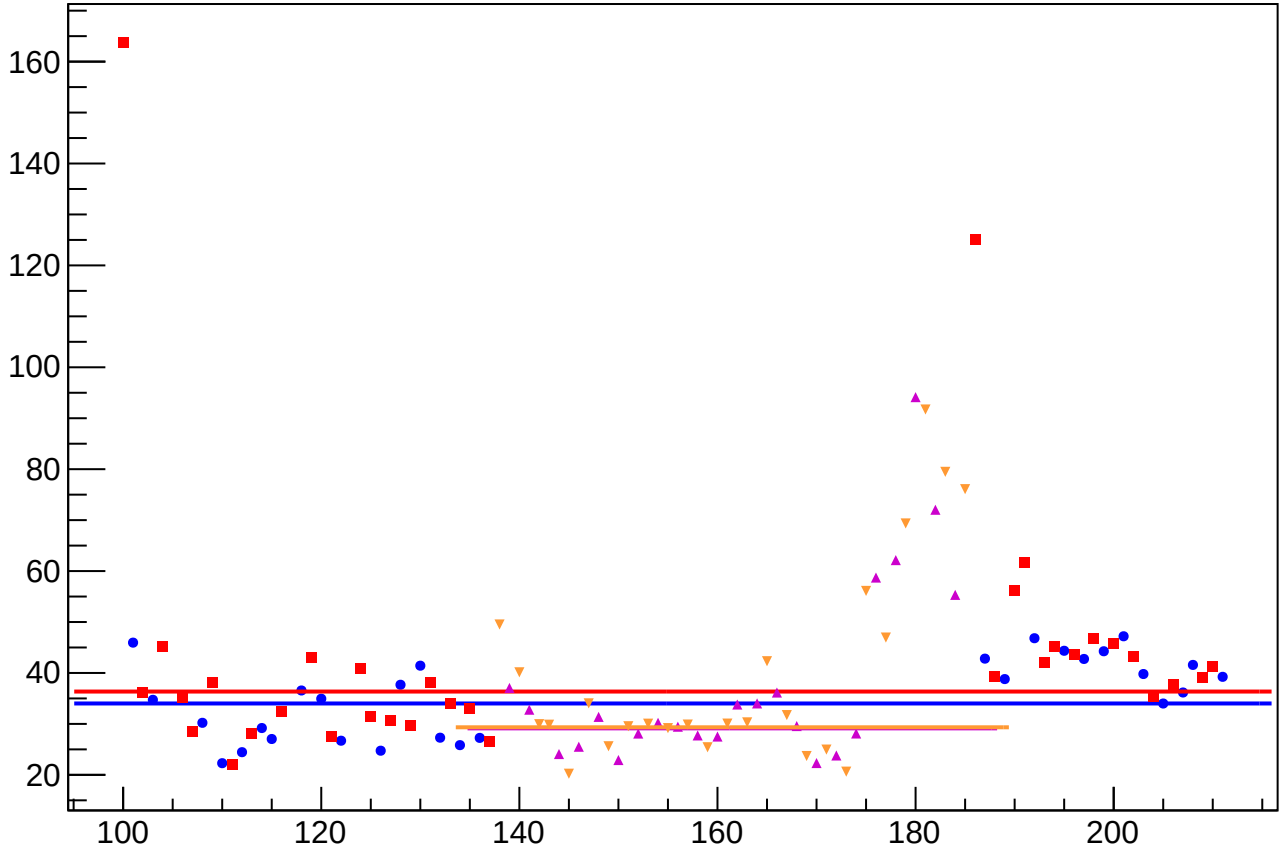
Left In: 0.011+/-0.007 χ^2/NDF:19.0/22

+ sign 0.019+/-0.006 χ^2/NDF: 57.7/52

All: 0.018+/-0.004 χ^2/NDF: 144.7/108

- sign 0.016+/-0.006 χ^2/NDF: 86.8/55

asym_sam_37_48_dd_dit_vs_cor_diff_rms vs Slug



Right In: 34.011+/-0.006 χ^2/NDF: 1591201.1/27

Left Out: 29.335+/-0.005 χ^2/NDF:3874774.5/24

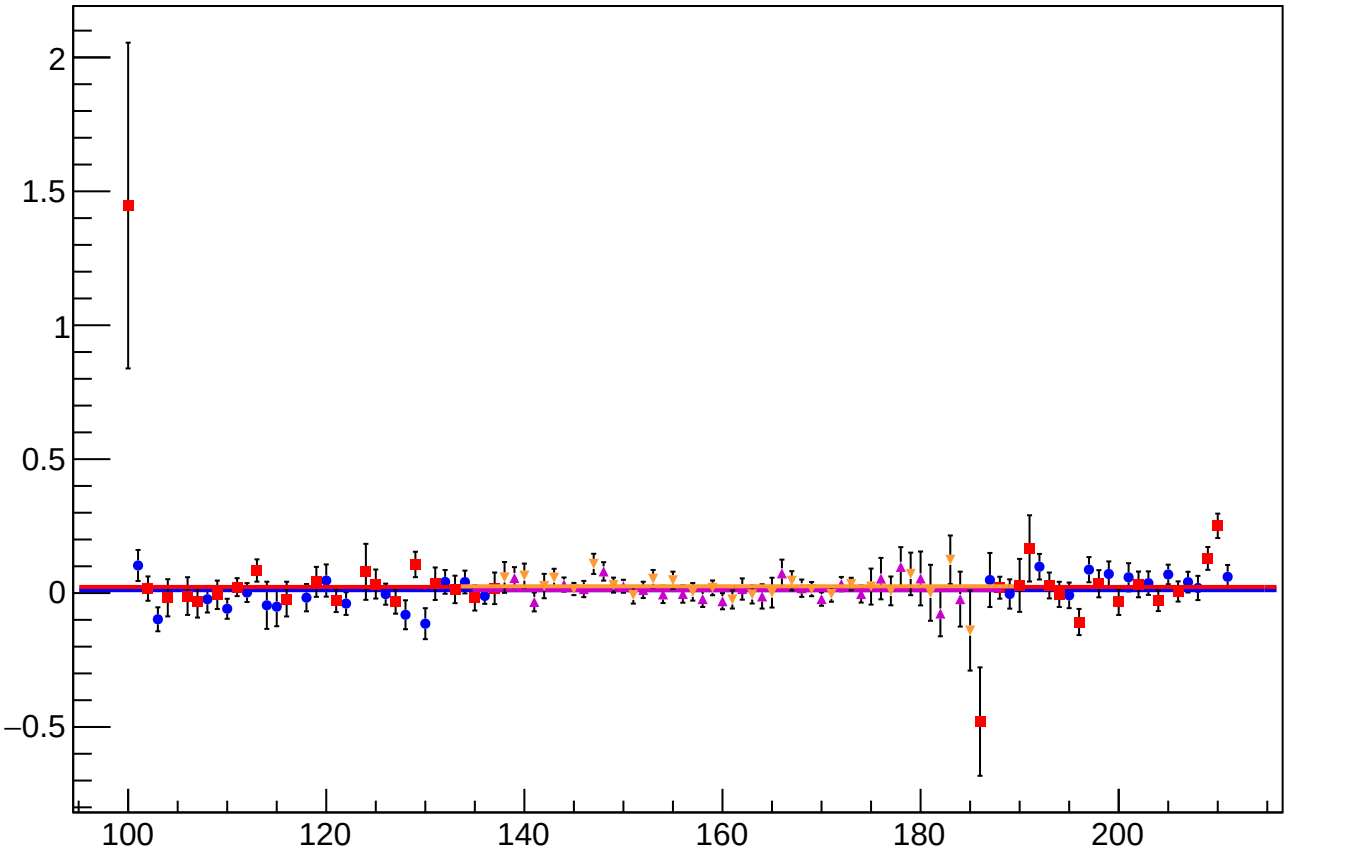
Right Out: 36.351+/-0.006 χ^2/NDF: 1816242.6/32

Left In: 29.125+/-0.005 χ^2/NDF:2839115.6/22

+ sign 31.234+/-0.004 χ^2/NDF: 5810767.5/52

All: 31.620+/-0.003 χ^2/NDF: 11272379.5/108

- sign 32.021+/-0.004 χ^2/NDF: 5441793.7/55



Right In: 0.011+/-0.009 χ^2/NDF: 38.5/27

Left Out: 0.025+/-0.007 χ^2/NDF:17.4/24

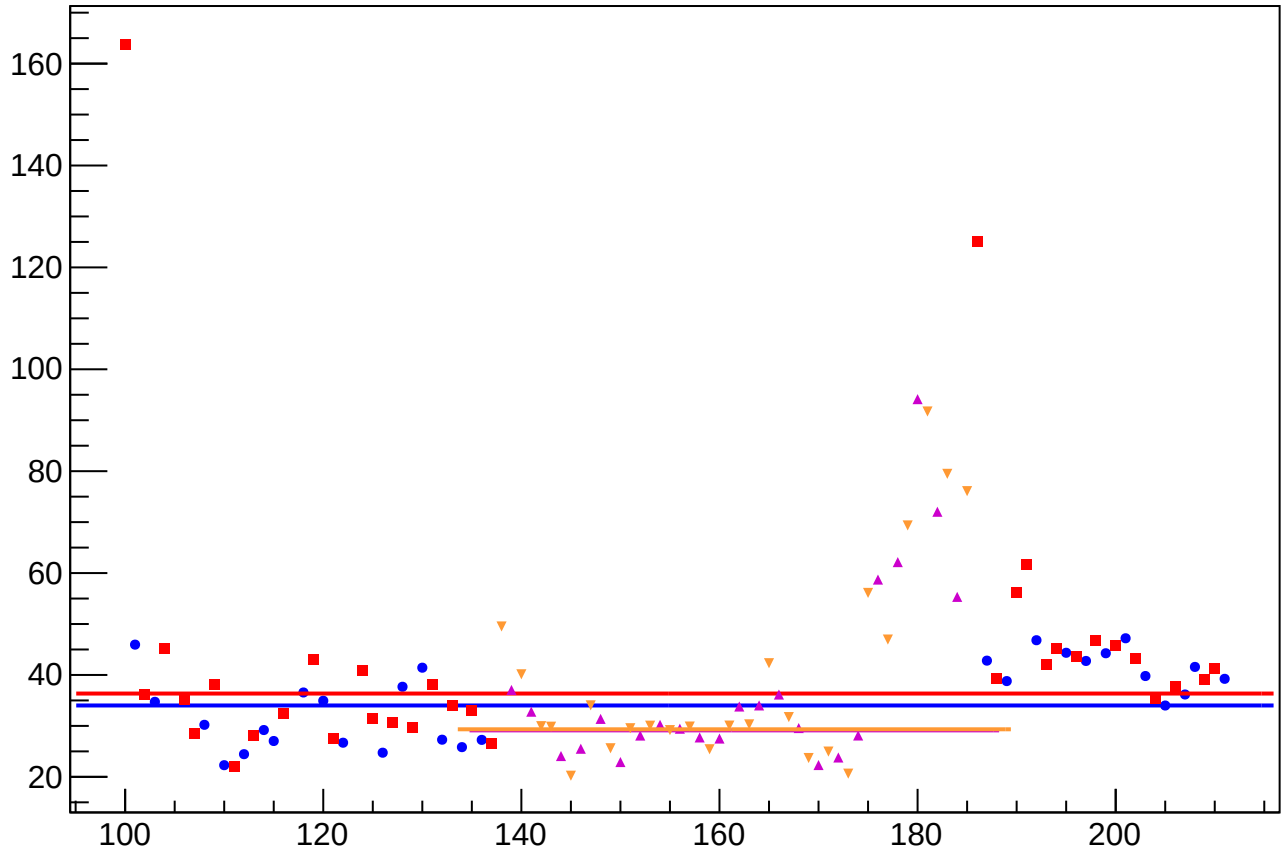
Right Out: 0.023+/-0.009 χ^2/NDF: 66.7/32

Left In: 0.011+/-0.007 χ^2/NDF:19.0/22

+ sign 0.019+/-0.006 χ^2/NDF: 57.7/52

All: 0.018+/-0.004 χ^2/NDF: 144.7/108

- sign 0.016+/-0.006 χ^2/NDF: 86.8/55



Right In: 34.011+/-0.006 χ^2/NDF: 1591201.1/27

Left Out: 29.335+/-0.005 χ^2/NDF:3874774.5/24

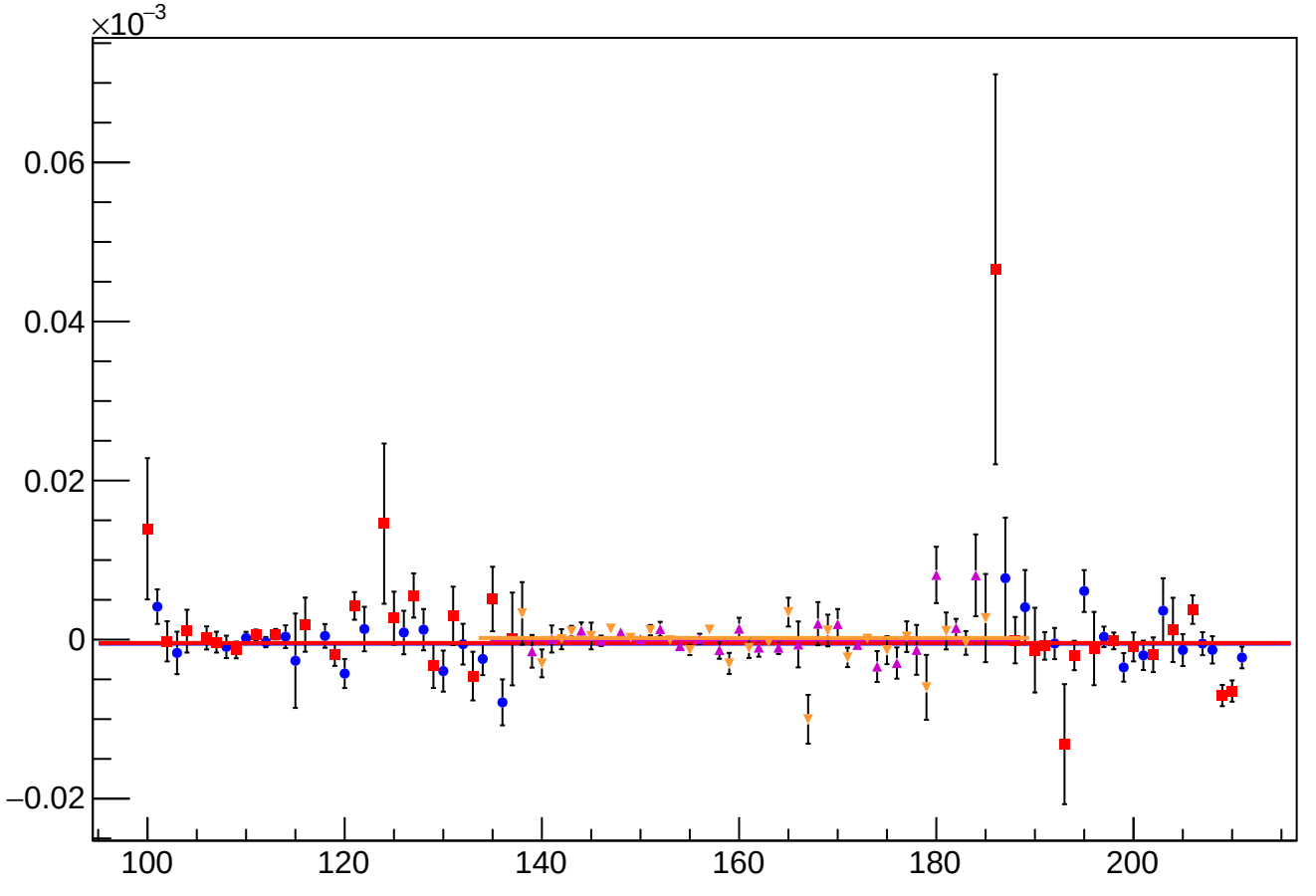
Right Out: 36.351+/-0.006 χ^2/NDF: 1816242.6/32

Left In: 29.125+/-0.005 χ^2/NDF:2839115.6/22

+ sign 31.234+/-0.004 χ^2/NDF: 5810767.5/52

All: 31.620+/-0.003 χ^2/NDF: 11272379.5/108

- sign 32.021+/-0.004 χ^2/NDF: 5441793.7/55



Right In: -0.000+/-0.000 χ^2/NDF: 36.6/27

Left Out: 0.000+/-0.000 χ^2/NDF:52.6/24

Right Out: -0.000+/-0.000 χ^2/NDF: 89.1/32

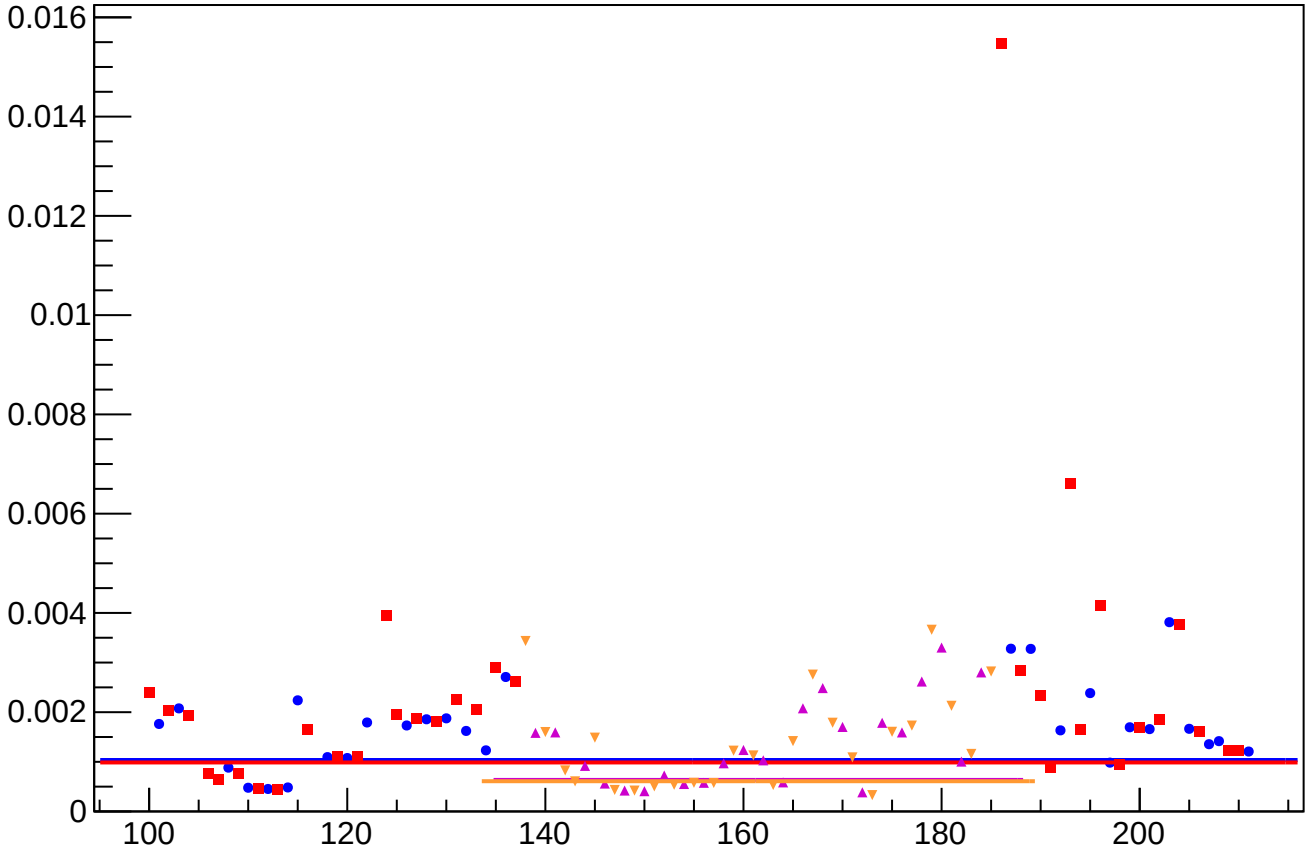
Left In: 0.000+/-0.000 χ^2/NDF:32.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 93.3/52

All: -0.000+/-0.000 χ^2/NDF: 217.4/108

- sign -0.000+/-0.000 χ^2/NDF: 123.6/55

asym_sam_37_48_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 8296786.3/27

Left Out: 0.001+/-0.000 χ^2/NDF:10964161.2/24

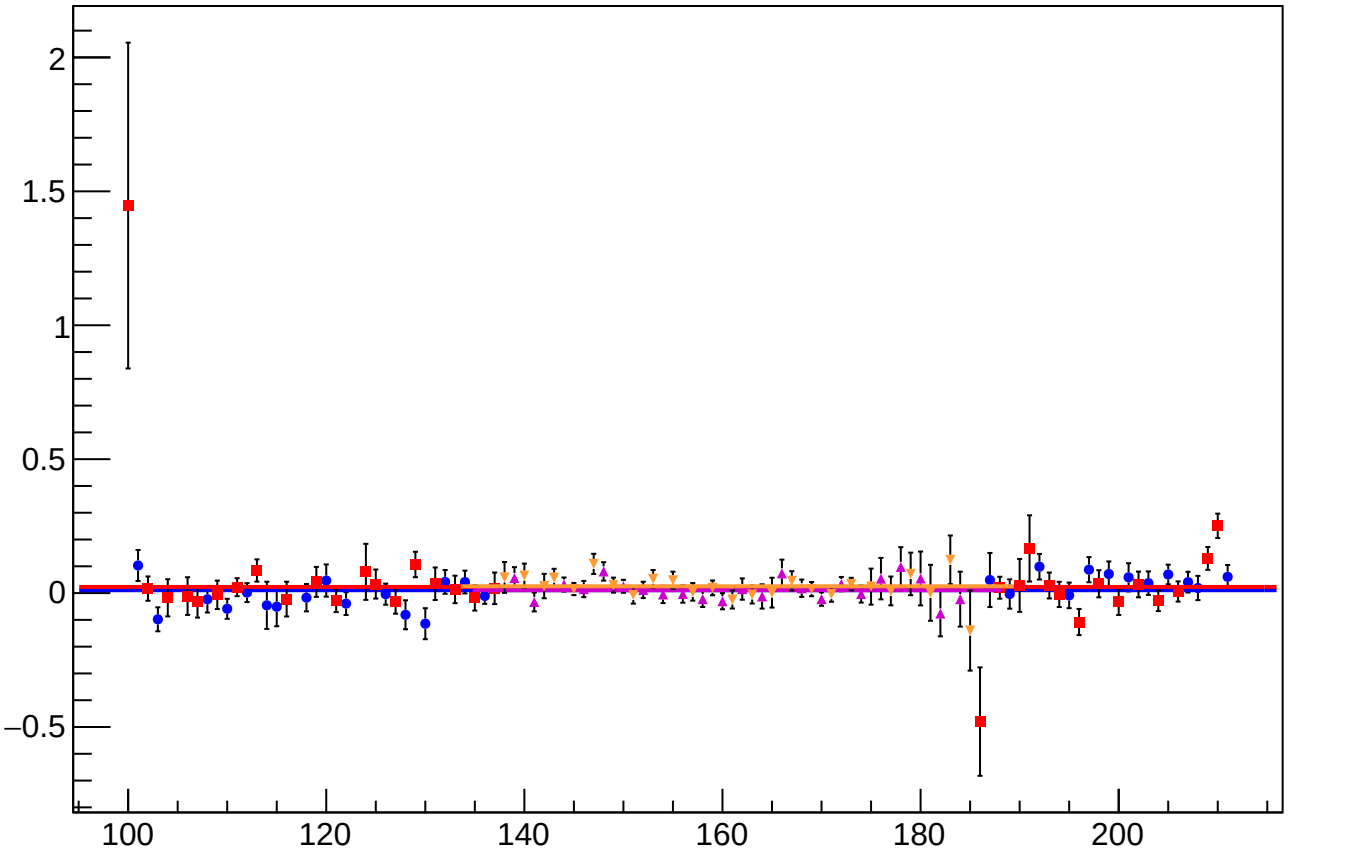
Right Out: 0.001+/-0.000 χ^2/NDF: 11218763.9/32

Left In: 0.001+/-0.000 χ^2/NDF:9376124.7/22

+ sign 0.001+/-0.000 χ^2/NDF: 22240972.2/52

All: 0.001+/-0.000 χ^2/NDF: 44998729.9/108

- sign 0.001+/-0.000 χ^2/NDF: 22726756.2/55



Right In: 0.011+/-0.009 χ^2/NDF: 38.5/27

Left Out: 0.025+/-0.007 χ^2/NDF:17.4/24

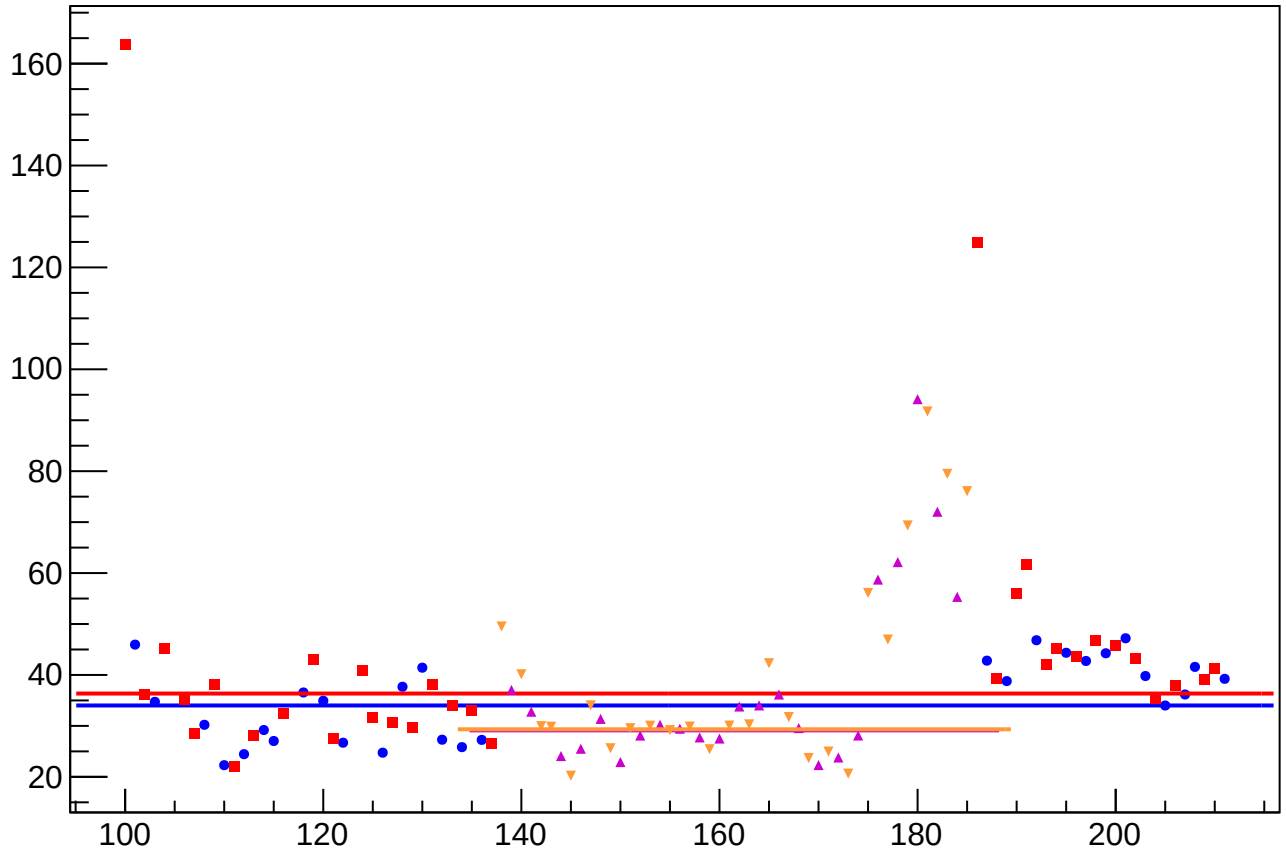
Right Out: 0.023+/-0.009 χ^2/NDF: 66.7/32

Left In: 0.011+/-0.007 χ^2/NDF:19.0/22

+ sign 0.019+/-0.006 χ^2/NDF: 57.7/52

All: 0.018+/-0.004 χ^2/NDF: 144.7/108

- sign 0.016+/-0.006 χ^2/NDF: 86.8/55



Right In: 34.011+/-0.006 χ^2/NDF: 1591136.2/27

Left Out: 29.334+/-0.005 χ^2/NDF:3874839.0/24

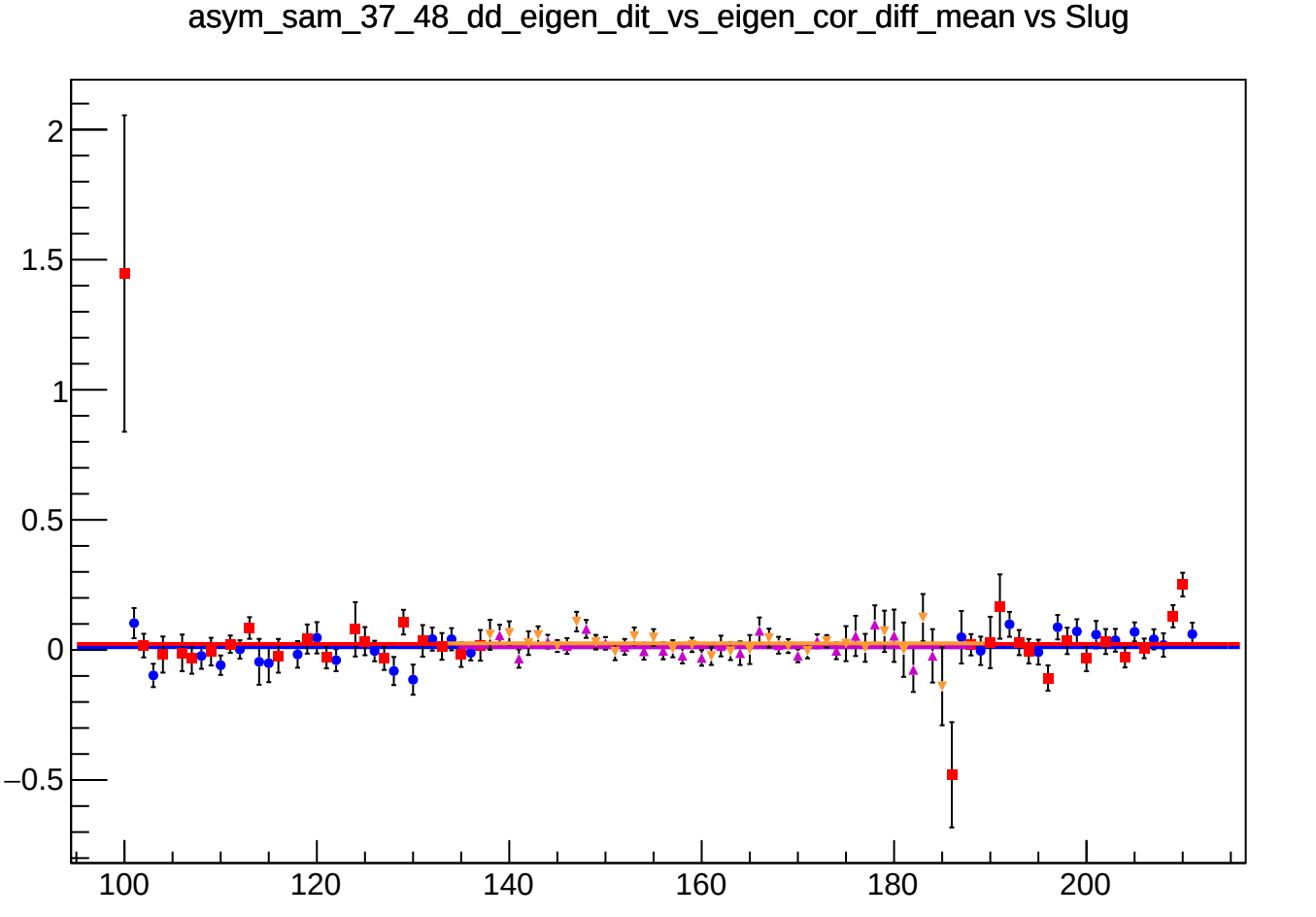
Right Out: 36.352+/-0.006 χ^2/NDF: 1816137.1/32

Left In: 29.124+/-0.005 χ^2/NDF:2839078.4/22

+ sign 31.234+/-0.004 χ^2/NDF: 5810803.9/52

All: 31.619+/-0.003 χ^2/NDF: 11272325.7/108

- sign 32.021+/-0.004 χ^2/NDF: 5441702.1/55



Right In: 0.011+/-0.009 χ^2/NDF: 38.5/27

Left Out: 0.025+/-0.007 χ^2/NDF:17.4/24

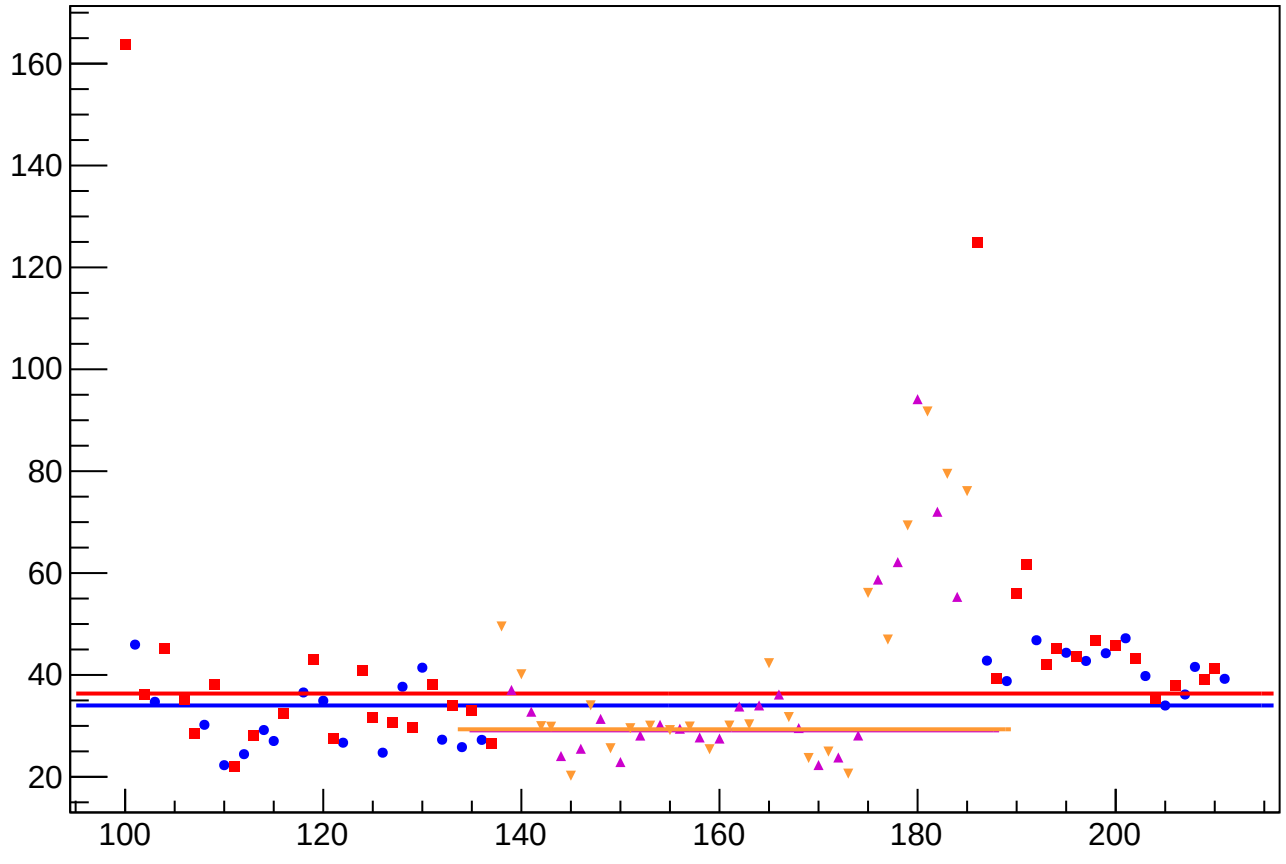
Right Out: 0.023+/-0.009 χ^2/NDF: 66.7/32

Left In: 0.011+/-0.007 χ^2/NDF:19.0/22

+ sign 0.019+/-0.006 χ^2/NDF: 57.7/52

All: 0.018+/-0.004 χ^2/NDF: 144.7/108

- sign 0.016+/-0.006 χ^2/NDF: 86.8/55



Right In: 34.011+/-0.006 χ^2/NDF: 1591136.2/27

Left Out: 29.334+/-0.005 χ^2/NDF:3874839.0/24

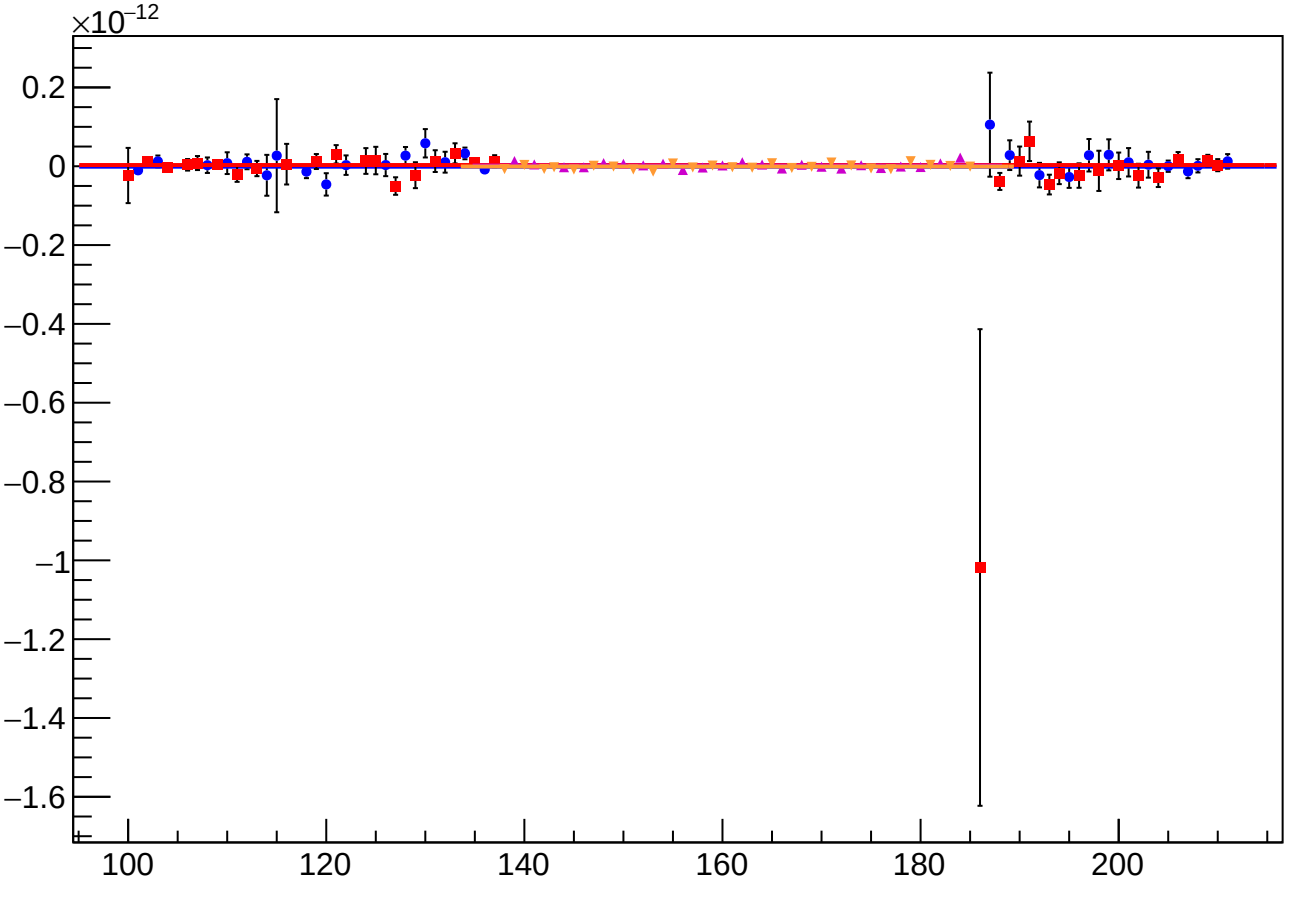
Right Out: 36.352+/-0.006 χ^2/NDF: 1816137.1/32

Left In: 29.124+/-0.005 χ^2/NDF:2839078.4/22

+ sign 31.234+/-0.004 χ^2/NDF: 5810803.9/52

All: 31.619+/-0.003 χ^2/NDF: 11272325.7/108

- sign 32.021+/-0.004 χ^2/NDF: 5441702.1/55



Right In: -0.000+/-0.000 χ^2/NDF: 21.8/27

Left Out: -0.000+/-0.000 χ^2/NDF:15.1/24

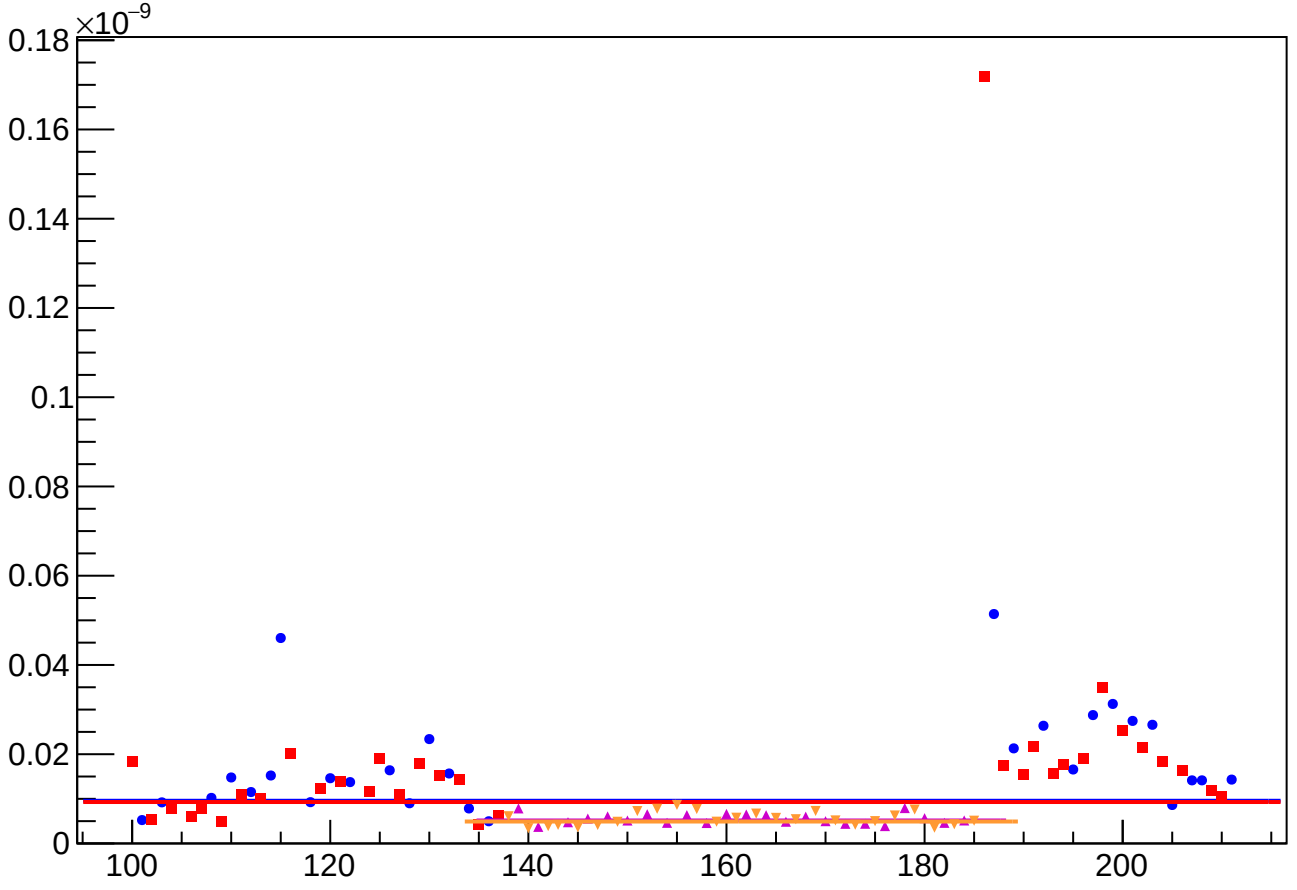
Right Out: 0.000+/-0.000 χ^2/NDF: 31.2/32

Left In: 0.000+/-0.000 χ^2/NDF:16.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 36.9/52

All: 0.000+/-0.000 χ^2/NDF: 86.8/108

- sign 0.000+/-0.000 χ^2/NDF: 47.9/55



Right In: 0.000+/-0.000 χ^2/NDF: 6155135.6/27

Left Out: 0.000+/-0.000 χ^2/NDF:1871499.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5708899.3/32

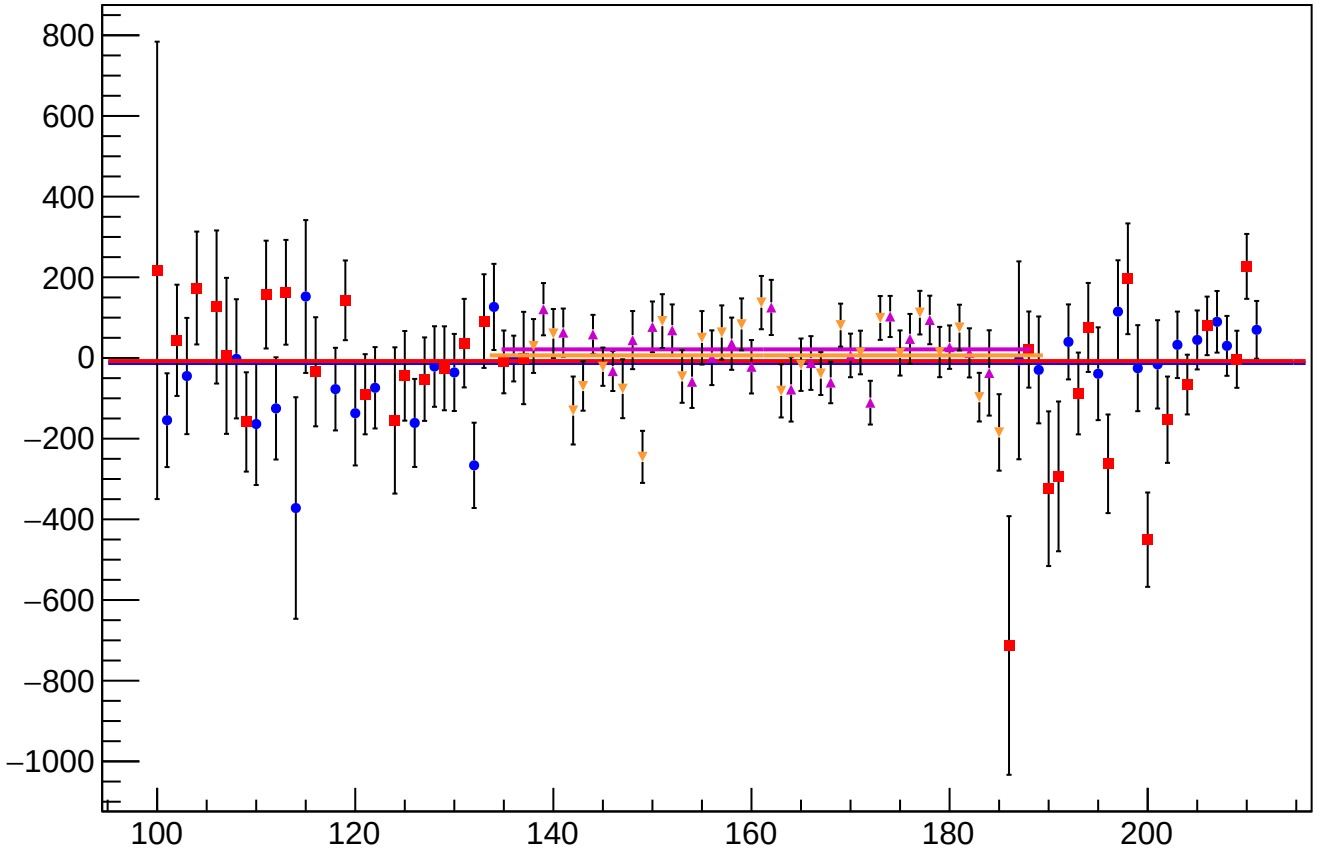
Left In: 0.000+/-0.000 χ^2/NDF:976775.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 11307062.5/52

All: 0.000+/-0.000 χ^2/NDF: 20821967.4/108

- sign 0.000+/-0.000 χ^2/NDF: 9474247.6/55

reg_asym_sam_15_26_dd_mean vs Slug



Right In: -12.354+/-19.136 χ^2/NDF: 22.7/27

Left Out: 6.523+/-12.287 χ^2/NDF:50.6/24

Right Out: -7.643+/-19.385 χ^2/NDF: 56.7/32

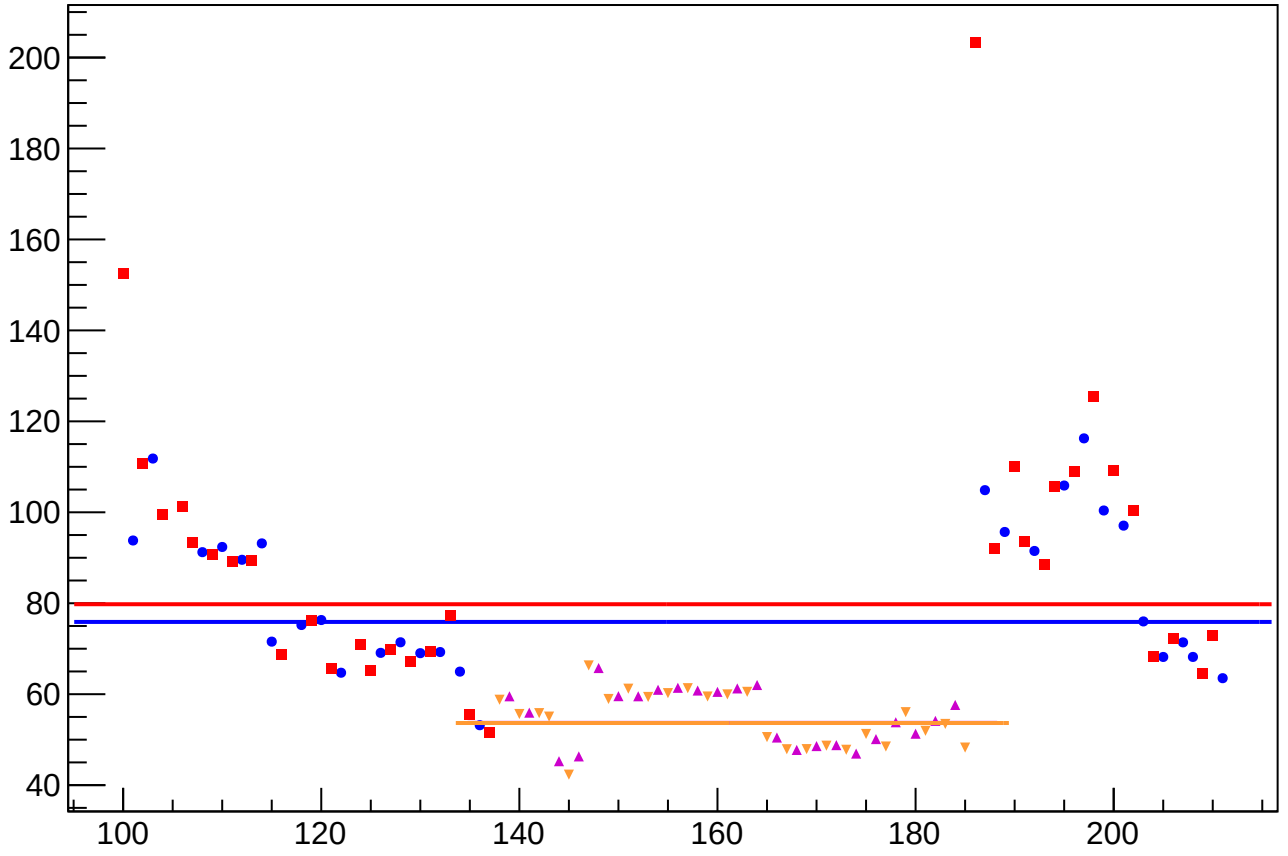
Left In: 21.336+/-12.649 χ^2/NDF:25.4/22

+ sign 1.012+/-10.339 χ^2/NDF: 73.9/52

All: 6.705+/-7.399 χ^2/NDF: 158.2/108

- sign 12.681+/-10.593 χ^2/NDF: 83.6/55

reg_asym_sam_15_26_dd_rms vs Slug



Right In: 75.891+/-0.014 χ^2/NDF: 1402513.3/27

Left Out: 53.666+/-0.009 χ^2/NDF:472206.8/24

Right Out: 79.783+/-0.014 χ^2/NDF: 1955453.5/32

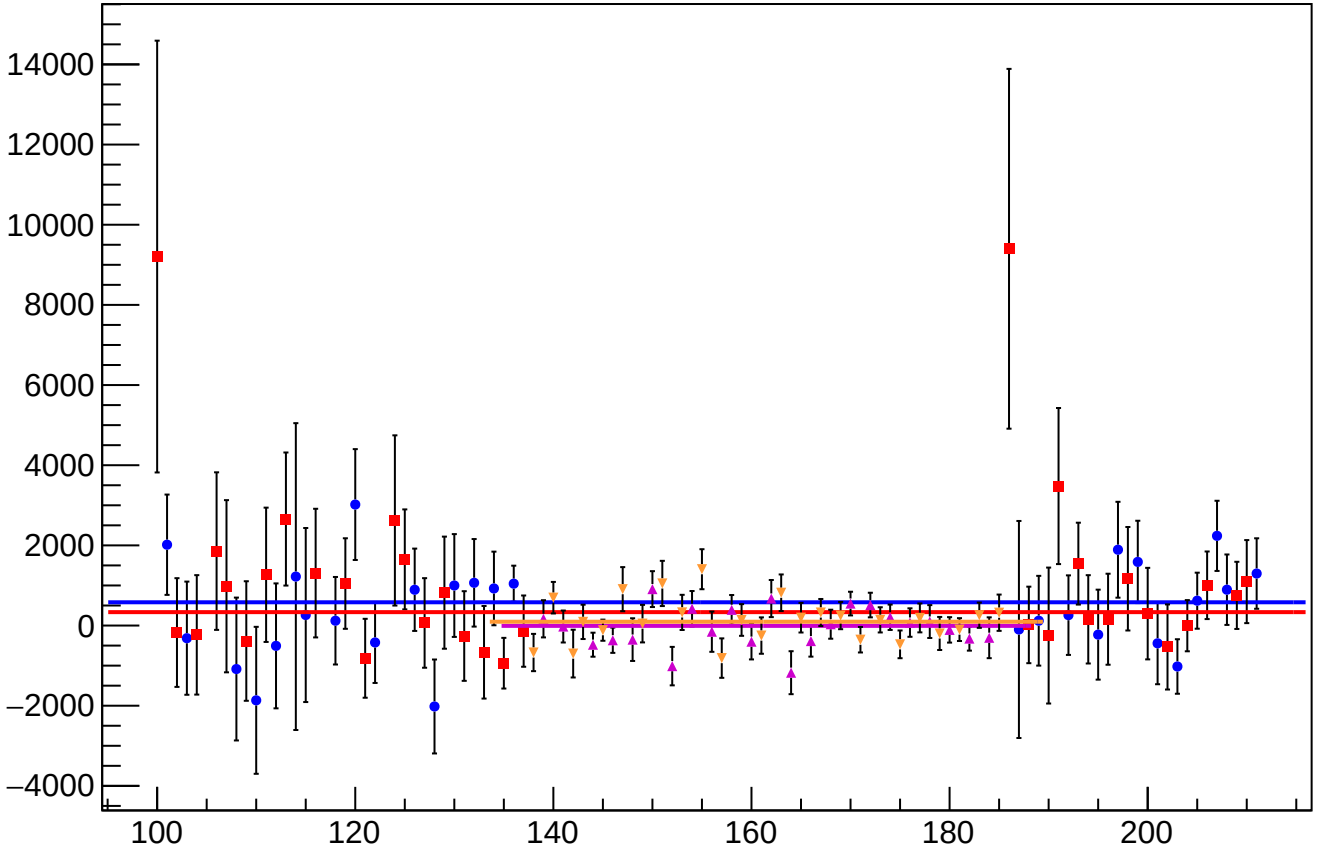
Left In: 53.695+/-0.009 χ^2/NDF:471343.7/22

+ sign 60.154+/-0.007 χ^2/NDF: 3784978.4/52

All: 60.804+/-0.005 χ^2/NDF: 8768718.2/108

- sign 61.486+/-0.007 χ^2/NDF: 4967542.2/55

asym_sam_15_26_dd_reg_correction_mean vs Slug



Right In: 580.431+/-190.690 χ^2/NDF: 29.7/27

Left Out: 95.456+/-77.134 χ^2/NDF:33.2/24

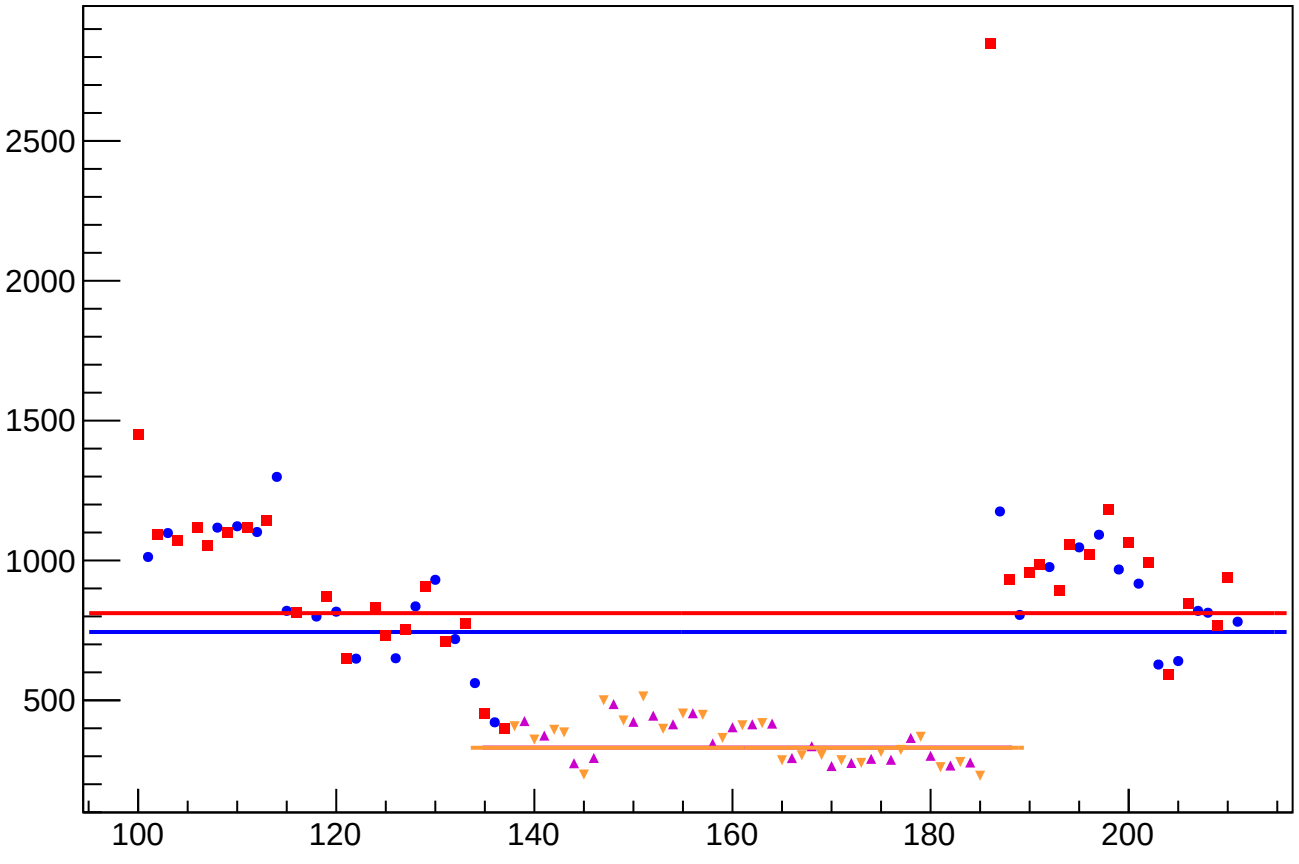
Right Out: 334.518+/-199.373 χ^2/NDF: 27.3/32

Left In: -7.879+/-79.125 χ^2/NDF:32.3/22

+ sign 163.650+/-71.506 χ^2/NDF: 68.4/52

All: 102.938+/-51.268 χ^2/NDF: 132.1/108

- sign 38.712+/-73.545 χ^2/NDF: 62.2/55



Right In: 744.274+/-0.135 χ^2/NDF: 2519078.7/27

Left Out: 330.405+/-0.055 χ^2/NDF:1752470.5/24

Right Out: 811.682+/-0.141 χ^2/NDF: 2904353.8/32

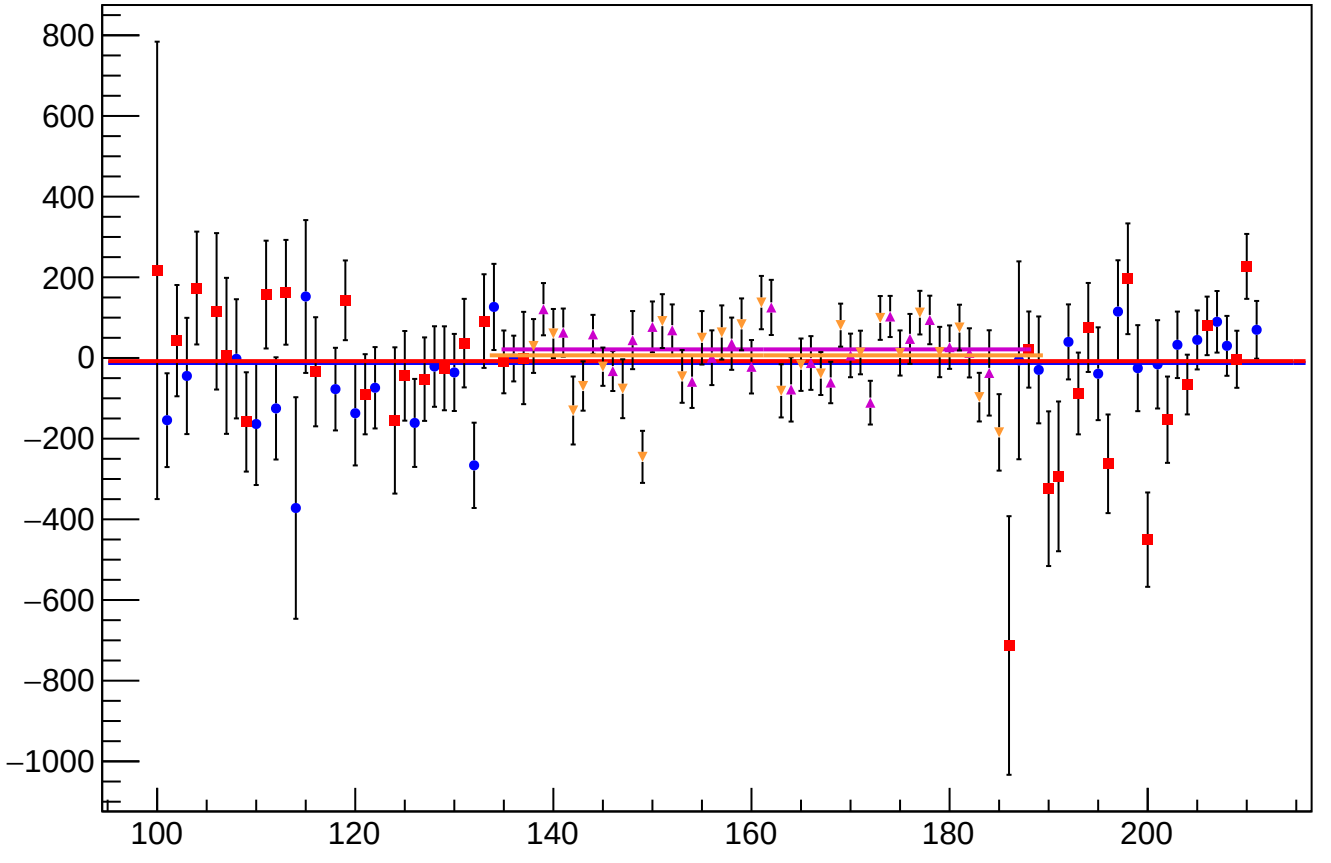
Left In: 331.059+/-0.056 χ^2/NDF:1325602.5/22

+ sign 388.601+/-0.051 χ^2/NDF: 12367878.6/52

All: 392.419+/-0.036 χ^2/NDF: 26650733.0/10

- sign 396.459+/-0.052 χ^2/NDF: 14271116.6/55

cor_asym_sam_15_26_dd_mean vs Slug



Right In: -12.346+/-19.136 χ^2/NDF: 22.7/27

Left Out: 6.526+/-12.287 χ^2/NDF:50.6/24

Right Out: -7.826+/-19.389 χ^2/NDF: 56.6/32

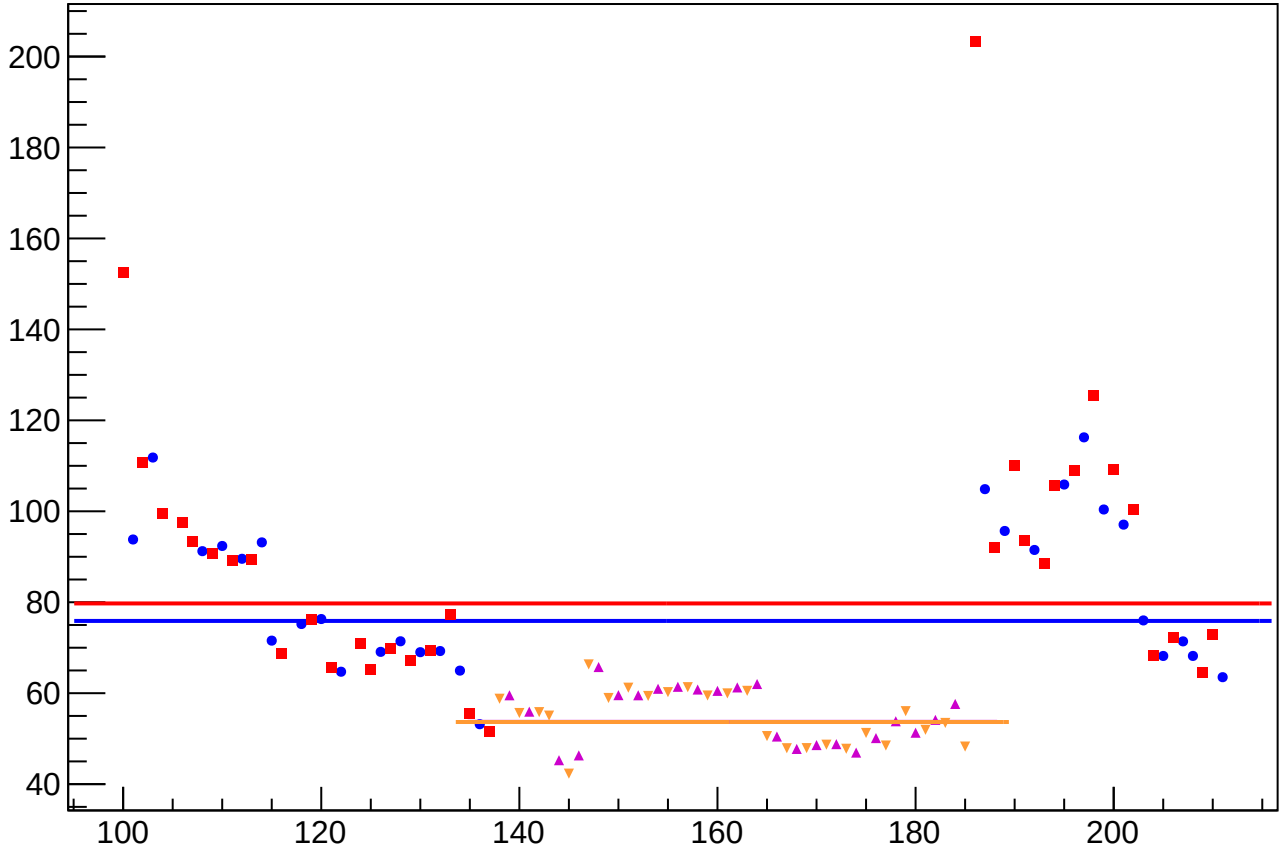
Left In: 21.335+/-12.649 χ^2/NDF:25.4/22

+ sign 1.017+/-10.339 χ^2/NDF: 73.9/52

All: 6.681+/-7.399 χ^2/NDF: 158.1/108

- sign 12.629+/-10.594 χ^2/NDF: 83.5/55

cor_asym_sam_15_26_dd_rms vs Slug



Right In: 75.891+/-0.014 χ^2/NDF: 1402515.6/27

Left Out: 53.666+/-0.009 χ^2/NDF:472206.8/24

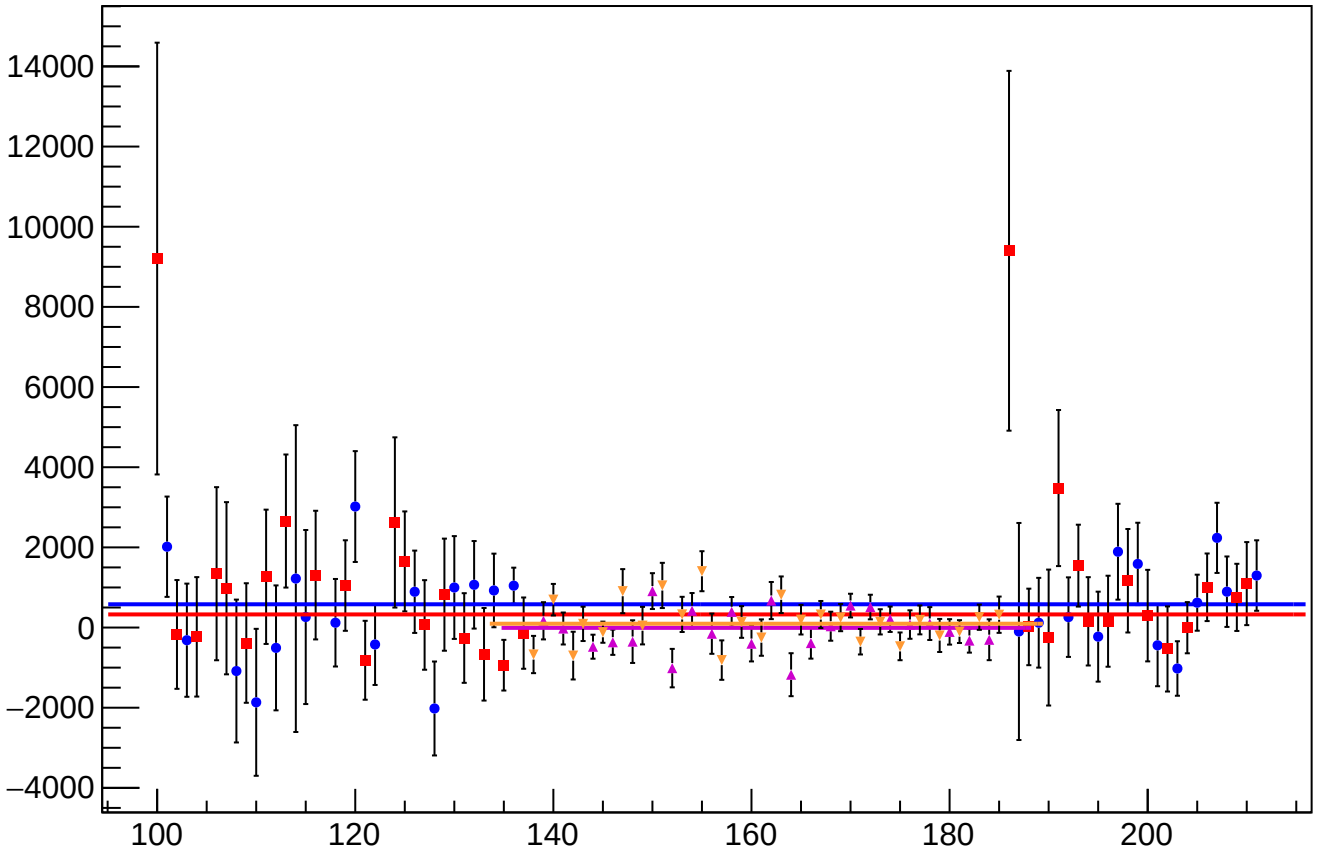
Right Out: 79.738+/-0.014 χ^2/NDF: 1946946.9/32

Left In: 53.695+/-0.009 χ^2/NDF:471343.7/22

+ sign 60.154+/-0.007 χ^2/NDF: 3784980.9/52

All: 60.796+/-0.005 χ^2/NDF: 8750065.2/108

- sign 61.470+/-0.007 χ^2/NDF: 4949280.2/55



Right In: 580.429+/-190.690 χ^2/NDF: 29.7/27

Left Out: 95.458+/-77.134 χ^2/NDF:33.2/24

Right Out: 327.516+/-199.552 χ^2/NDF: 26.9/32

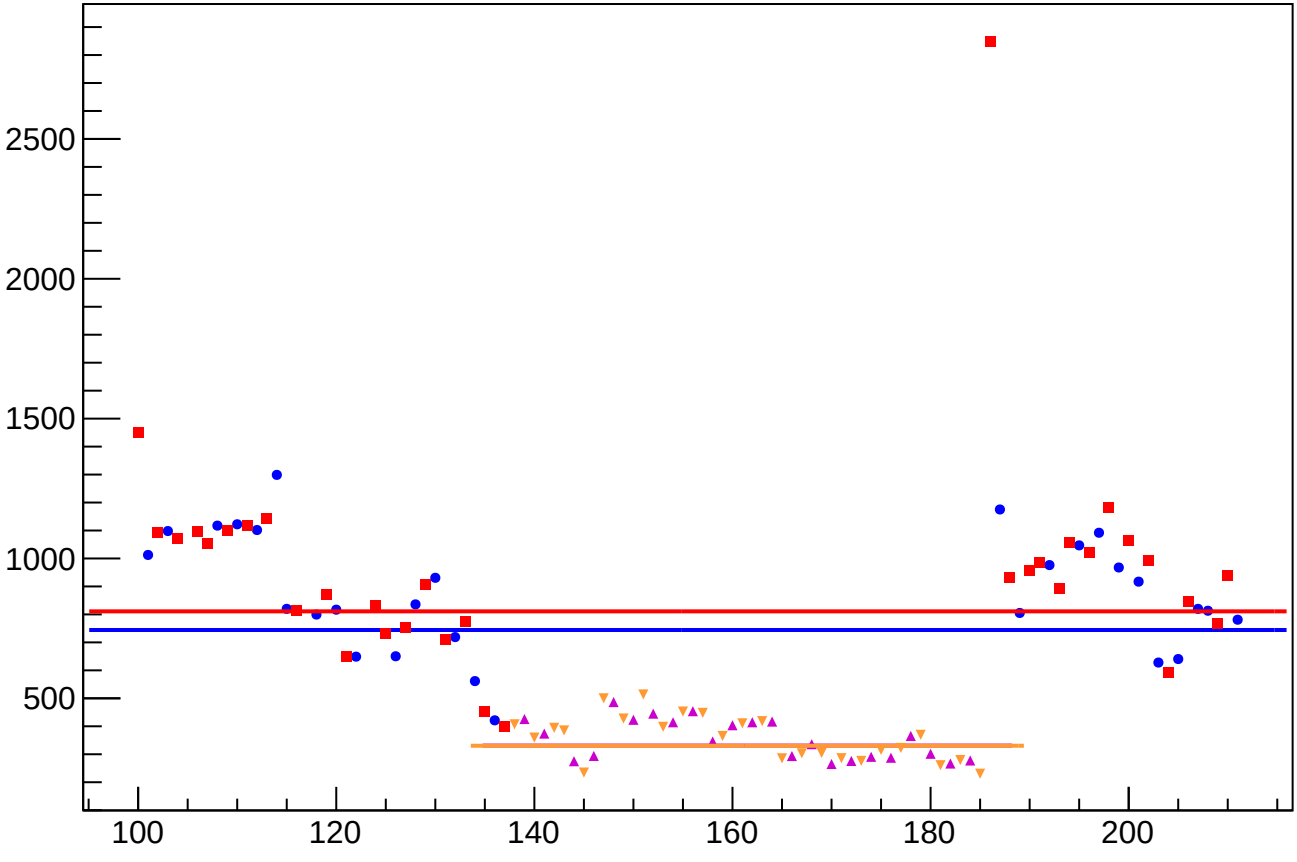
Left In: -7.875+/-79.125 χ^2/NDF:32.3/22

+ sign 163.652+/-71.506 χ^2/NDF: 68.4/52

All: 102.450+/-51.271 χ^2/NDF: 131.6/108

- sign 37.692+/-73.554 χ^2/NDF: 61.7/55

asym_sam_15_26_dd_cor_correction_rms vs Slug



Right In: 744.274+/-0.135 χ^2/NDF: 2519101.8/27

Left Out: 330.405+/-0.055 χ^2/NDF:1752469.2/24

Right Out: 810.953+/-0.141 χ^2/NDF: 2890539.1/32

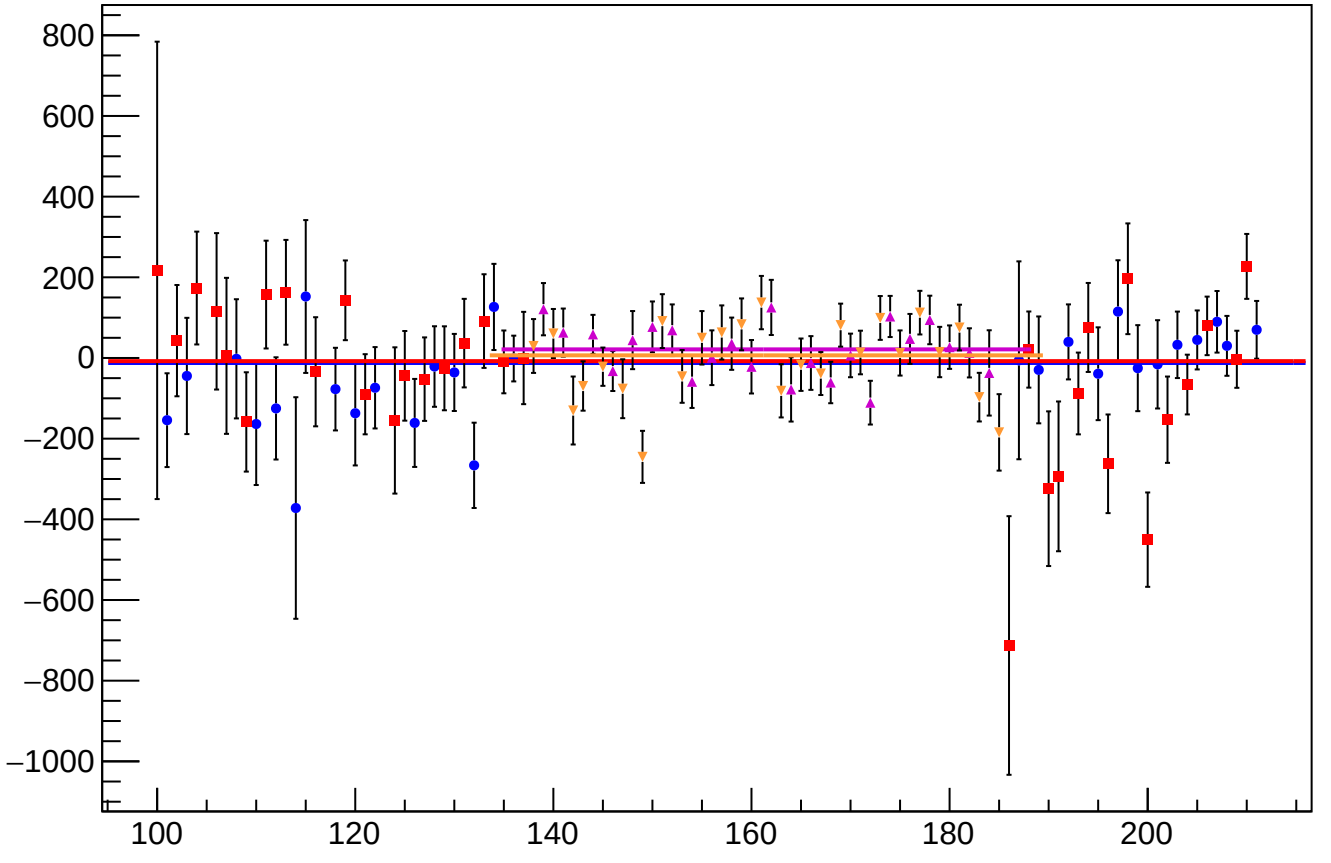
Left In: 331.058+/-0.056 χ^2/NDF:1325610.1/22

+ sign 388.601+/-0.051 χ^2/NDF: 12367898.2/52

All: 392.322+/-0.036 χ^2/NDF: 26590448.6/10

- sign 396.259+/-0.052 χ^2/NDF: 14211404.7/55

eigen_cor_asym_sam_15_26_dd_mean vs Slug



Right In: -12.346+/-19.136 χ^2/NDF: 22.7/27

Left Out: 6.526+/-12.287 χ^2/NDF:50.6/24

Right Out: -7.826+/-19.389 χ^2/NDF: 56.6/32

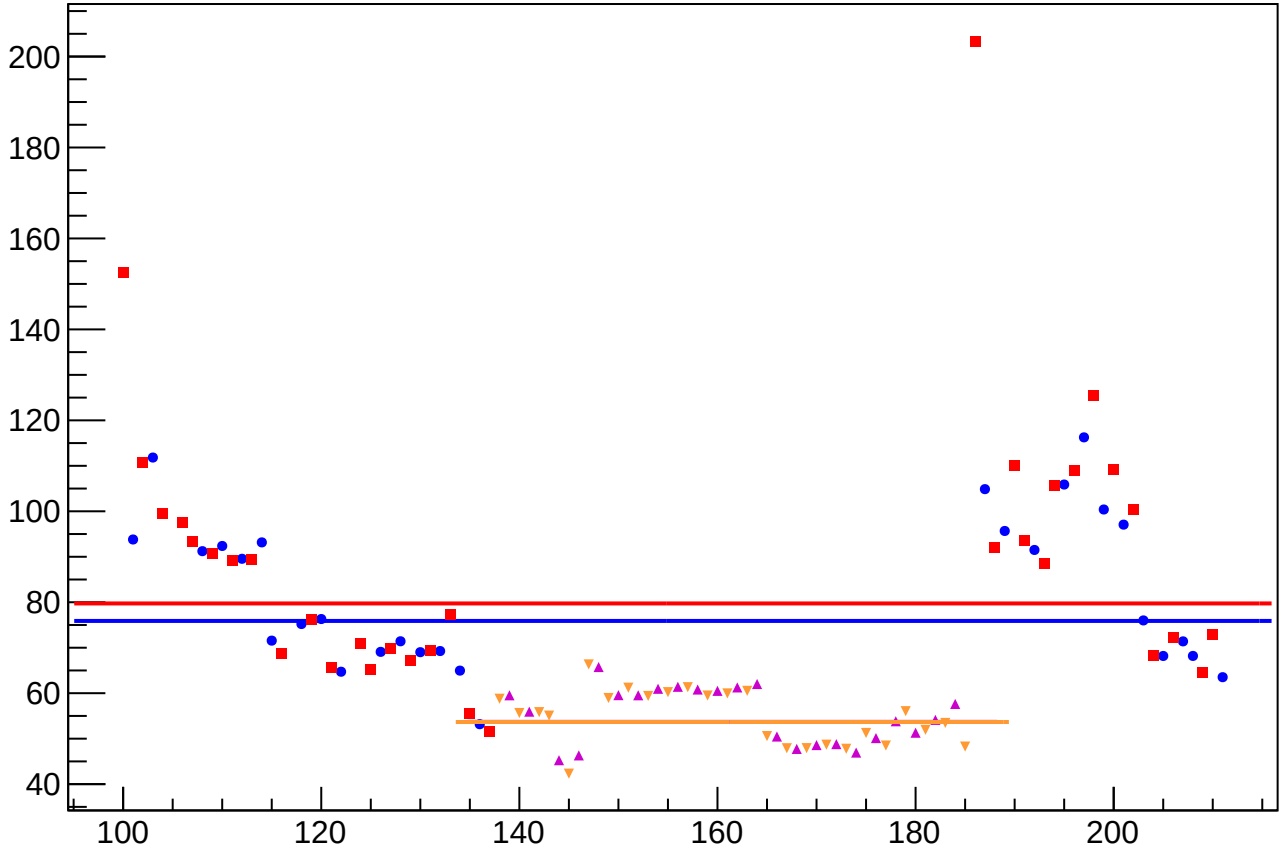
Left In: 21.335+/-12.649 χ^2/NDF:25.4/22

+ sign 1.017+/-10.339 χ^2/NDF: 73.9/52

All: 6.681+/-7.399 χ^2/NDF: 158.1/108

- sign 12.629+/-10.594 χ^2/NDF: 83.5/55

eigen_cor_asym_sam_15_26_dd_rms vs Slug



Right In: 75.891+/-0.014 χ^2/NDF: 1402515.6/27

Left Out: 53.666+/-0.009 χ^2/NDF:472206.8/24

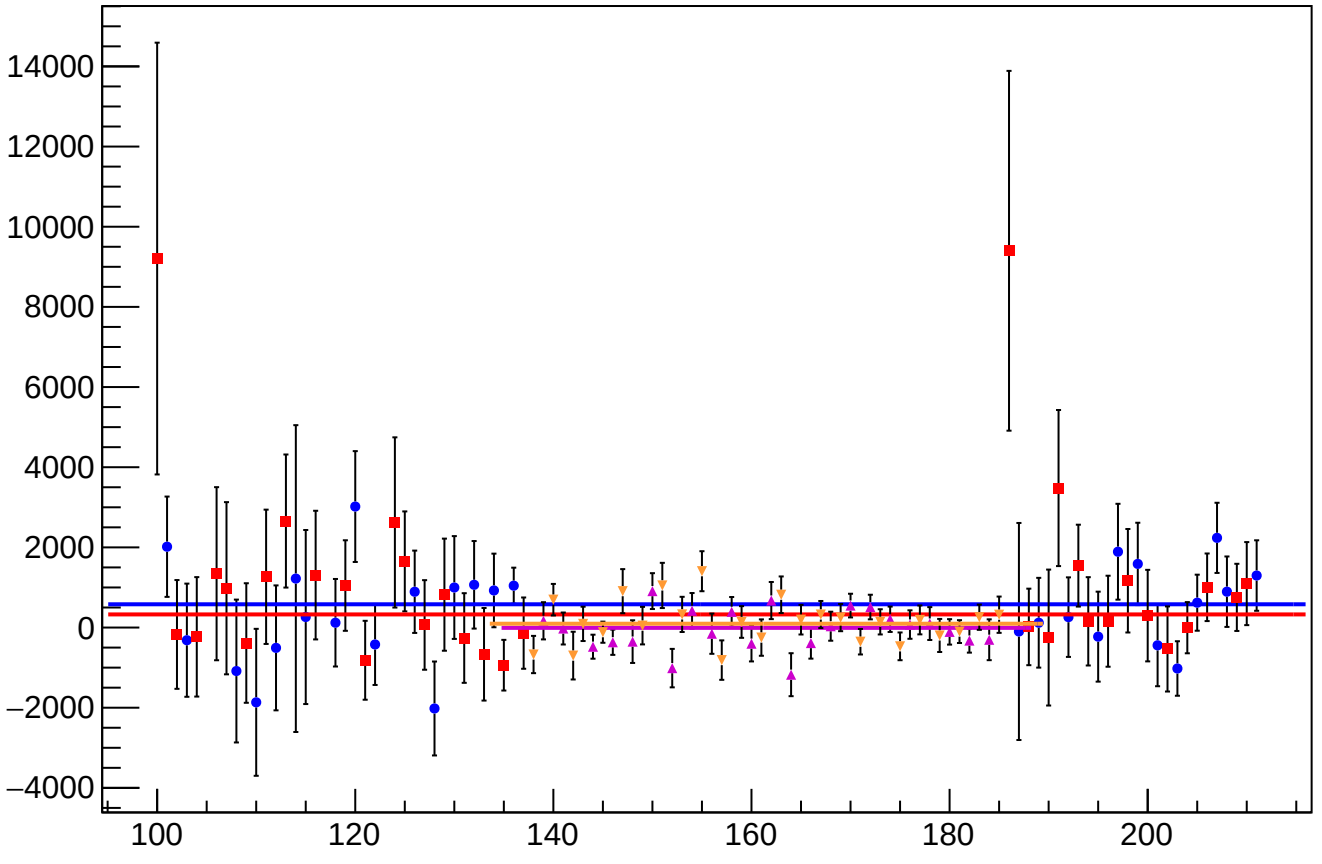
Right Out: 79.738+/-0.014 χ^2/NDF: 1946946.9/32

Left In: 53.695+/-0.009 χ^2/NDF:471343.7/22

+ sign 60.154+/-0.007 χ^2/NDF: 3784980.9/52

All: 60.796+/-0.005 χ^2/NDF: 8750065.2/108

- sign 61.470+/-0.007 χ^2/NDF: 4949280.2/55



Right In: 580.429+/-190.690 χ^2/NDF: 29.7/27

Left Out: 95.458+/-77.134 χ^2/NDF:33.2/24

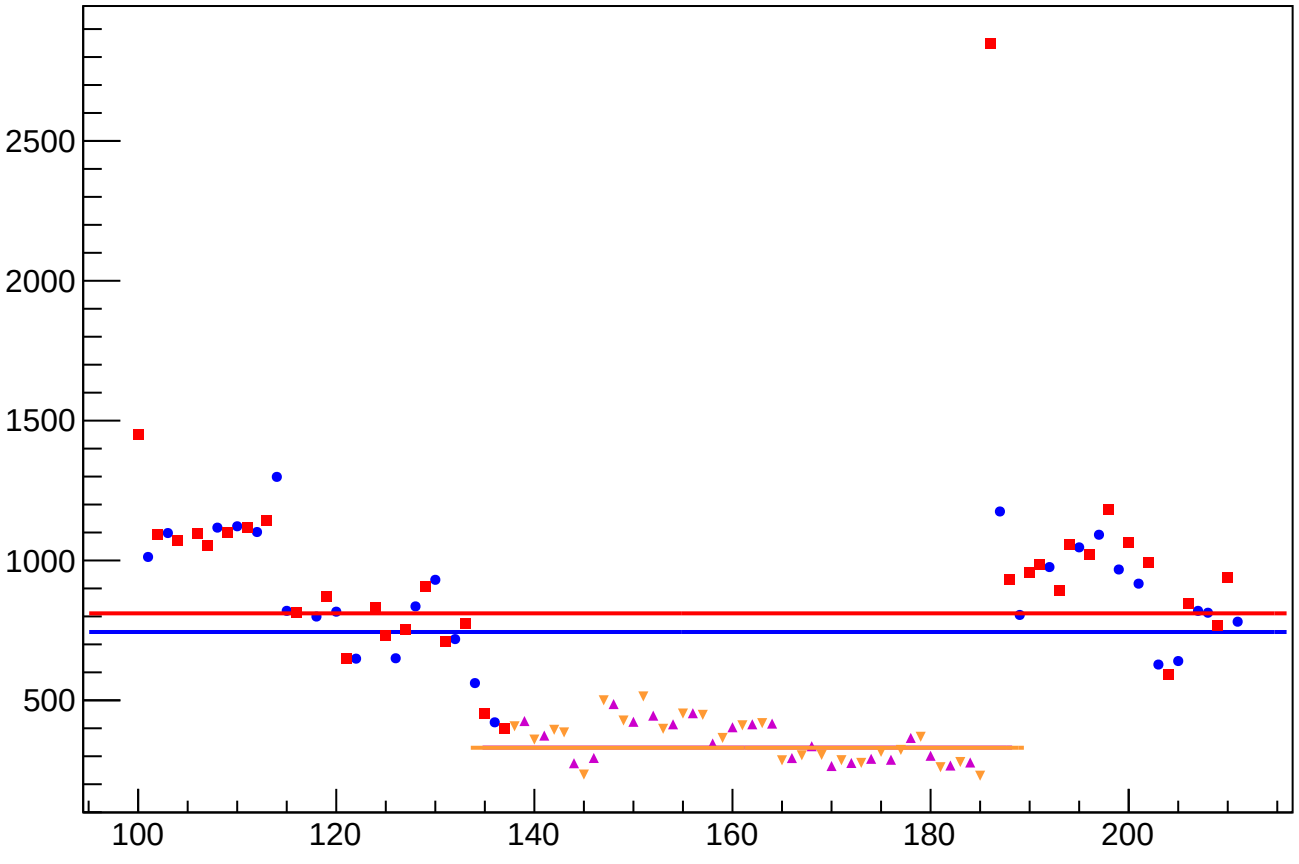
Right Out: 327.516+/-199.552 χ^2/NDF: 26.9/32

Left In: -7.875+/-79.125 χ^2/NDF:32.3/22

+ sign 163.652+/-71.506 χ^2/NDF: 68.4/52

All: 102.450+/-51.271 χ^2/NDF: 131.6/108

- sign 37.692+/-73.554 χ^2/NDF: 61.7/55



Right In: 744.274+/-0.135 χ^2/NDF: 2519101.8/27

Left Out: 330.405+/-0.055 χ^2/NDF:1752469.2/24

Right Out: 810.953+/-0.141 χ^2/NDF: 2890539.1/32

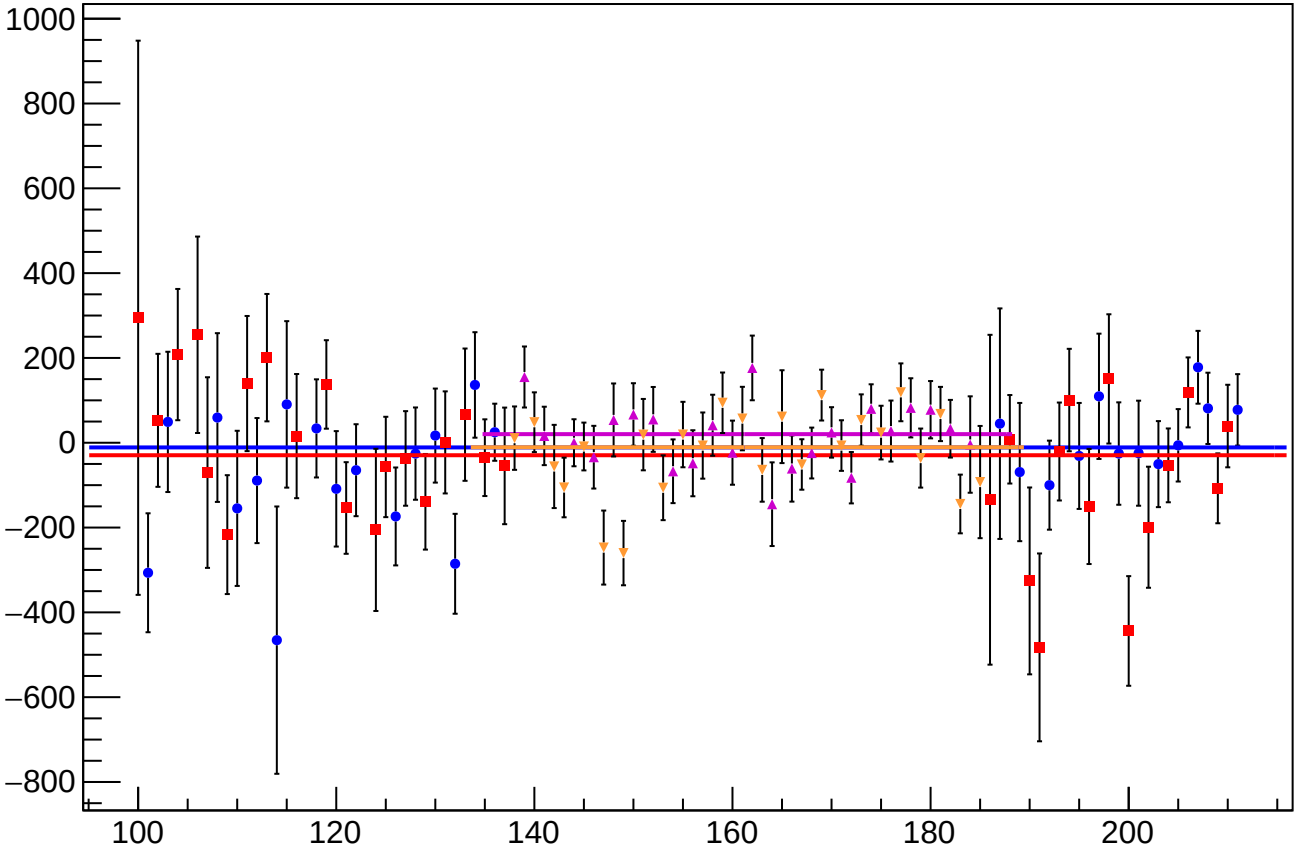
Left In: 331.058+/-0.056 χ^2/NDF:1325610.1/22

+ sign 388.601+/-0.051 χ^2/NDF: 12367898.2/52

All: 392.322+/-0.036 χ^2/NDF: 26590448.6/10

- sign 396.259+/-0.052 χ^2/NDF: 14211404.7/55

dit_asym_sam_15_26_dd_mean vs Slug



Right In: -11.023+/-21.956 χ^2/NDF: 27.0/27

Left Out: -10.614+/-14.311 χ^2/NDF:42.2/24

Right Out: -29.442+/-22.108 χ^2/NDF: 41.9/32

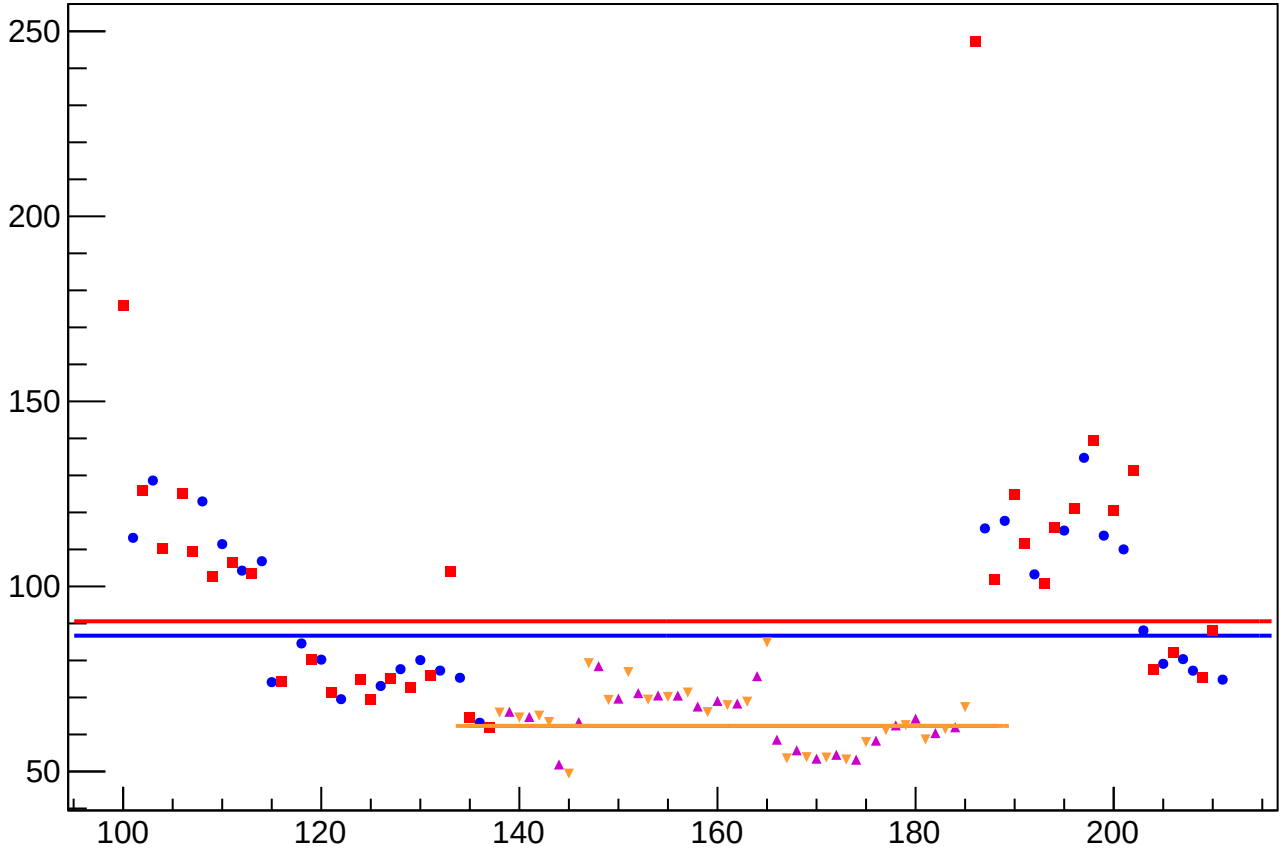
Left In: 20.306+/-14.750 χ^2/NDF:21.7/22

+ sign -10.736+/-11.989 χ^2/NDF: 69.2/52

All: -3.059+/-8.575 χ^2/NDF: 137.1/108

- sign 4.982+/-12.270 χ^2/NDF: 67.1/55

dit_asym_sam_15_26_dd_rms vs Slug



Right In: 86.696+/-0.016 χ^2/NDF: 1448207.1/27

Left Out: 62.316+/-0.010 χ^2/NDF:636269.1/24

Right Out: 90.582+/-0.016 χ^2/NDF: 2077442.7/32

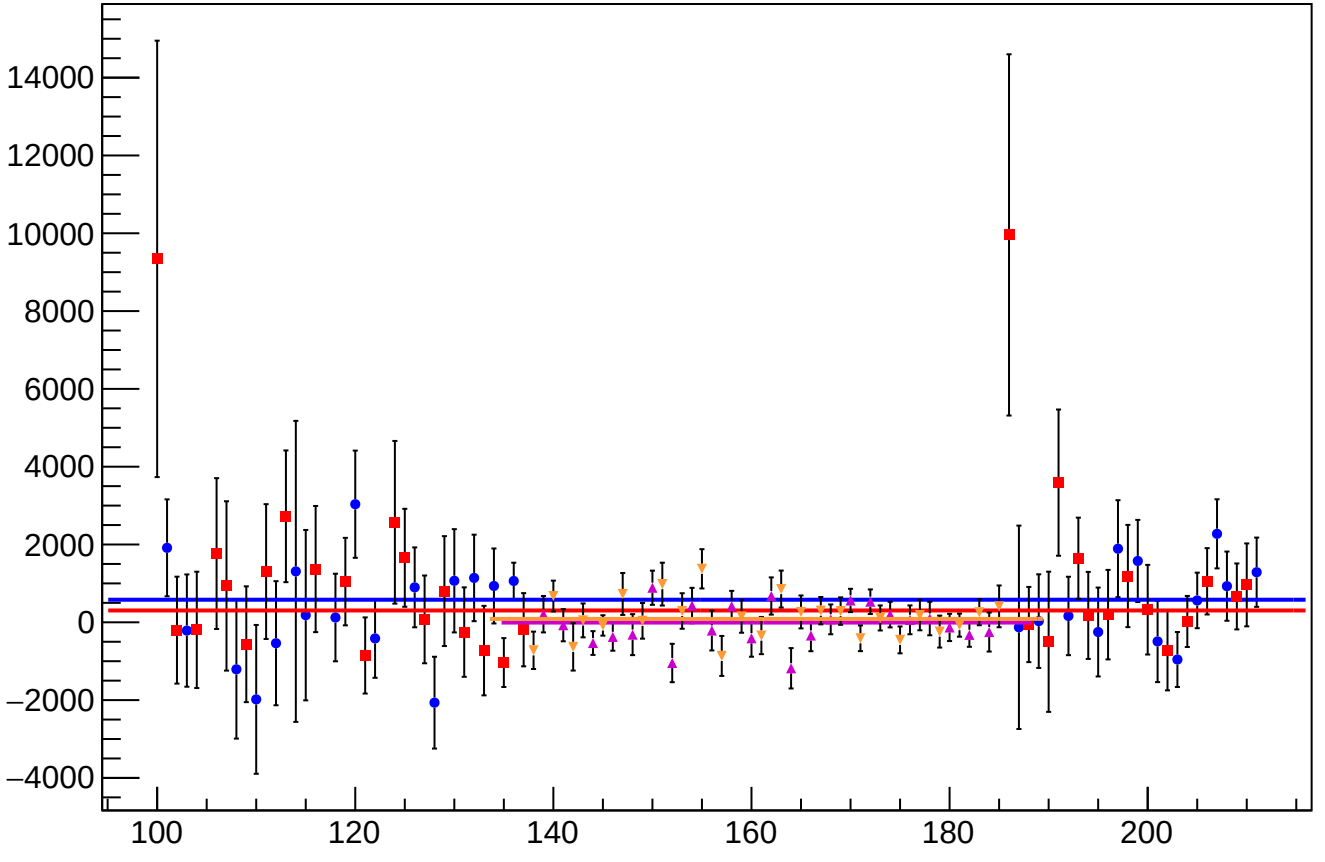
Left In: 62.310+/-0.010 χ^2/NDF:484549.5/22

+ sign 69.585+/-0.008 χ^2/NDF: 3815200.6/52

All: 70.285+/-0.006 χ^2/NDF: 8654288.8/108

- sign 71.018+/-0.009 χ^2/NDF: 4825130.9/55

asym_sam_15_26_dd_dit_correction_mean vs Slug



Right In: 580.359+/-195.664 χ^2/NDF: 29.0/27

Left Out: 86.985+/-79.837 χ^2/NDF:31.7/24

Right Out: 304.306+/-201.726 χ^2/NDF: 29.2/32

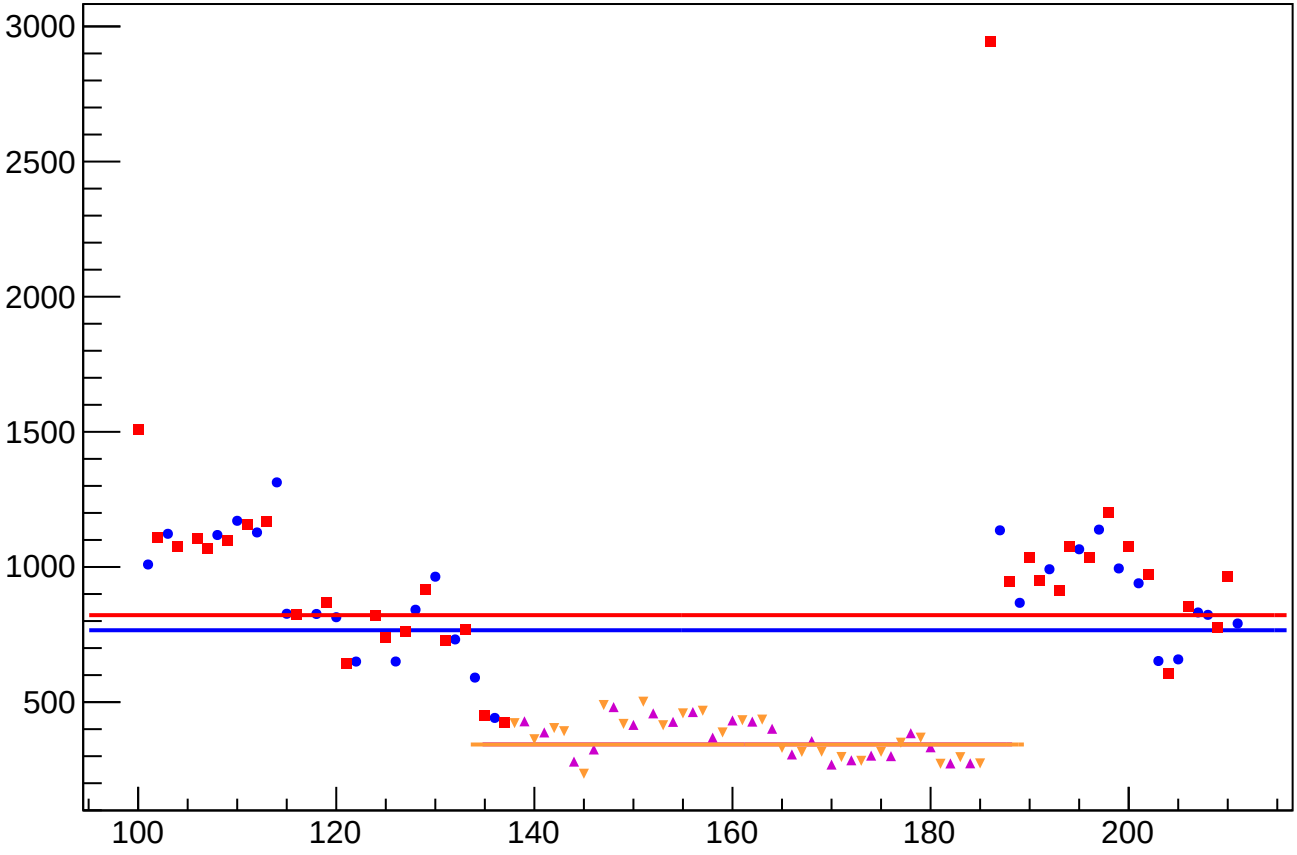
Left In: -6.497+/-82.111 χ^2/NDF:32.4/22

+ sign 157.402+/-73.920 χ^2/NDF: 66.1/52

All: 99.242+/-53.007 χ^2/NDF: 131.0/108

- sign 37.678+/-76.052 χ^2/NDF: 63.6/55

asym_sam_15_26_dd_dit_correction_rms vs Slug



Right In: 765.962+/-0.138 χ^2/NDF: 2382167.4/27

Left Out: 343.225+/-0.056 χ^2/NDF:1595394.3/24

Right Out: 821.799+/-0.143 χ^2/NDF: 2886976.2/32

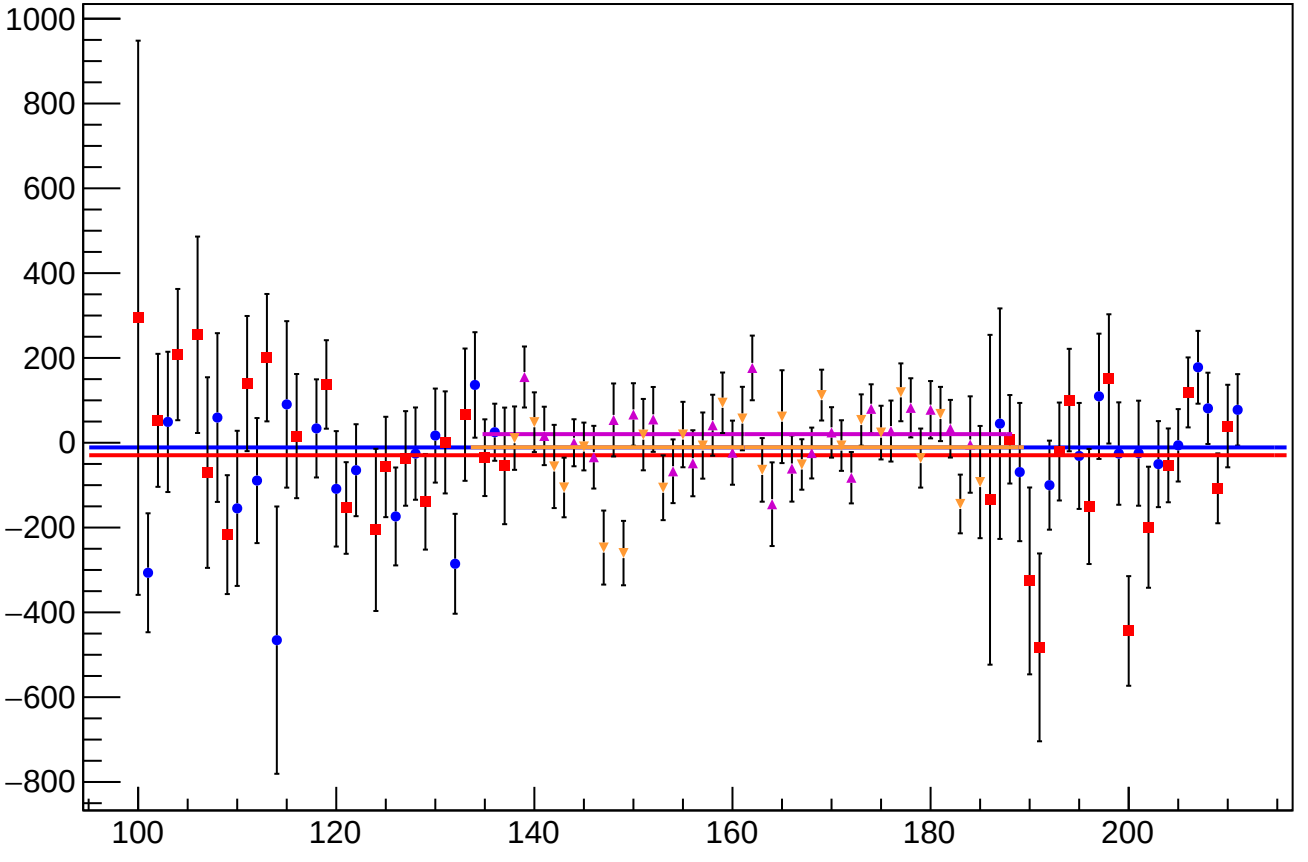
Left In: 343.717+/-0.058 χ^2/NDF:1258376.8/22

+ sign 403.560+/-0.052 χ^2/NDF: 11980867.8/52

All: 407.499+/-0.037 χ^2/NDF: 25774684.2/10

- sign 411.668+/-0.054 χ^2/NDF: 13782128.1/55

eigen_dit_asym_sam_15_26_dd_mean vs Slug



Right In: -11.024+/-21.956 χ^2/NDF: 27.0/27

Left Out: -10.613+/-14.311 χ^2/NDF:42.2/24

Right Out: -29.442+/-22.108 χ^2/NDF: 41.9/32

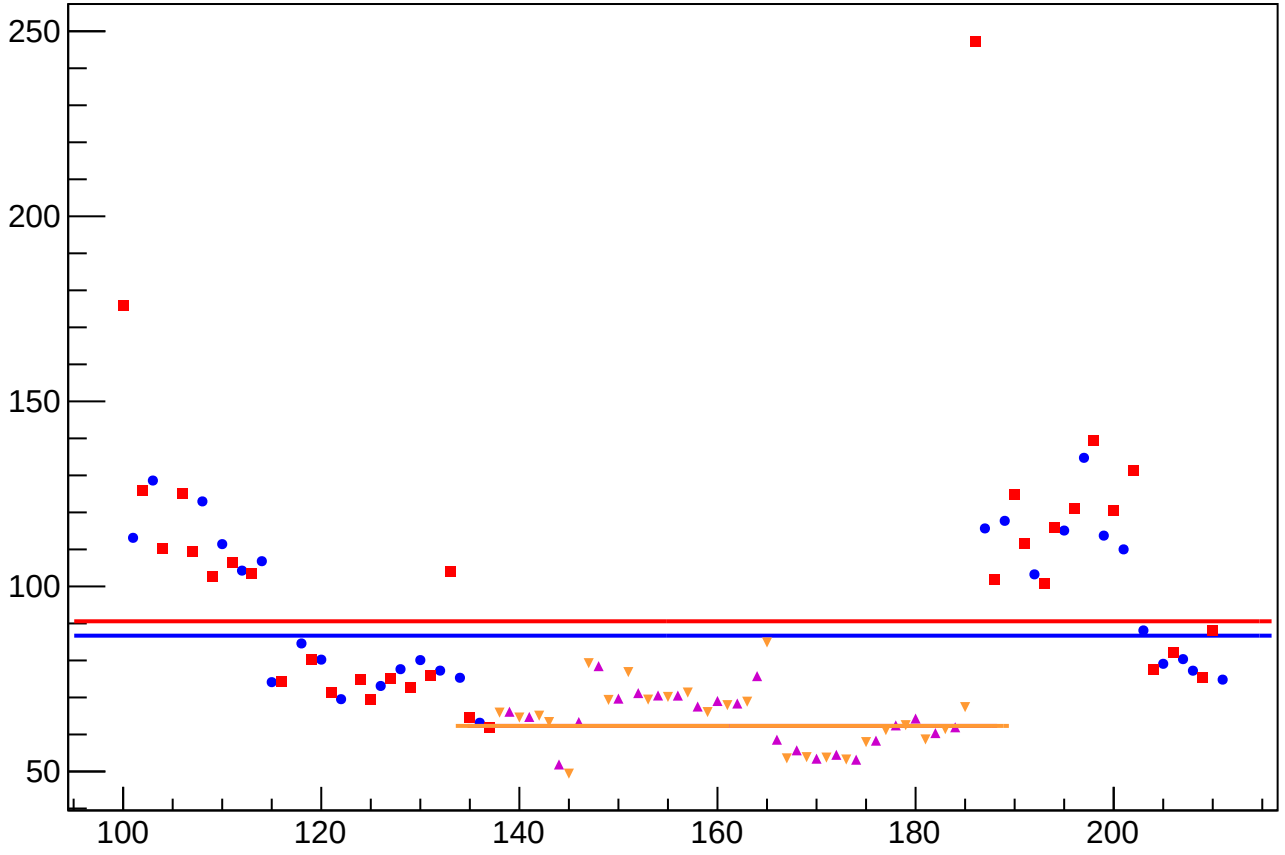
Left In: 20.306+/-14.750 χ^2/NDF:21.7/22

+ sign -10.736+/-11.989 χ^2/NDF: 69.2/52

All: -3.059+/-8.575 χ^2/NDF: 137.1/108

- sign 4.982+/-12.270 χ^2/NDF: 67.1/55

eigen_dit_asym_sam_15_26_dd_rms vs Slug



Right In: 86.696+/-0.016 χ^2/NDF: 1448221.3/27

Left Out: 62.316+/-0.010 χ^2/NDF:636268.2/24

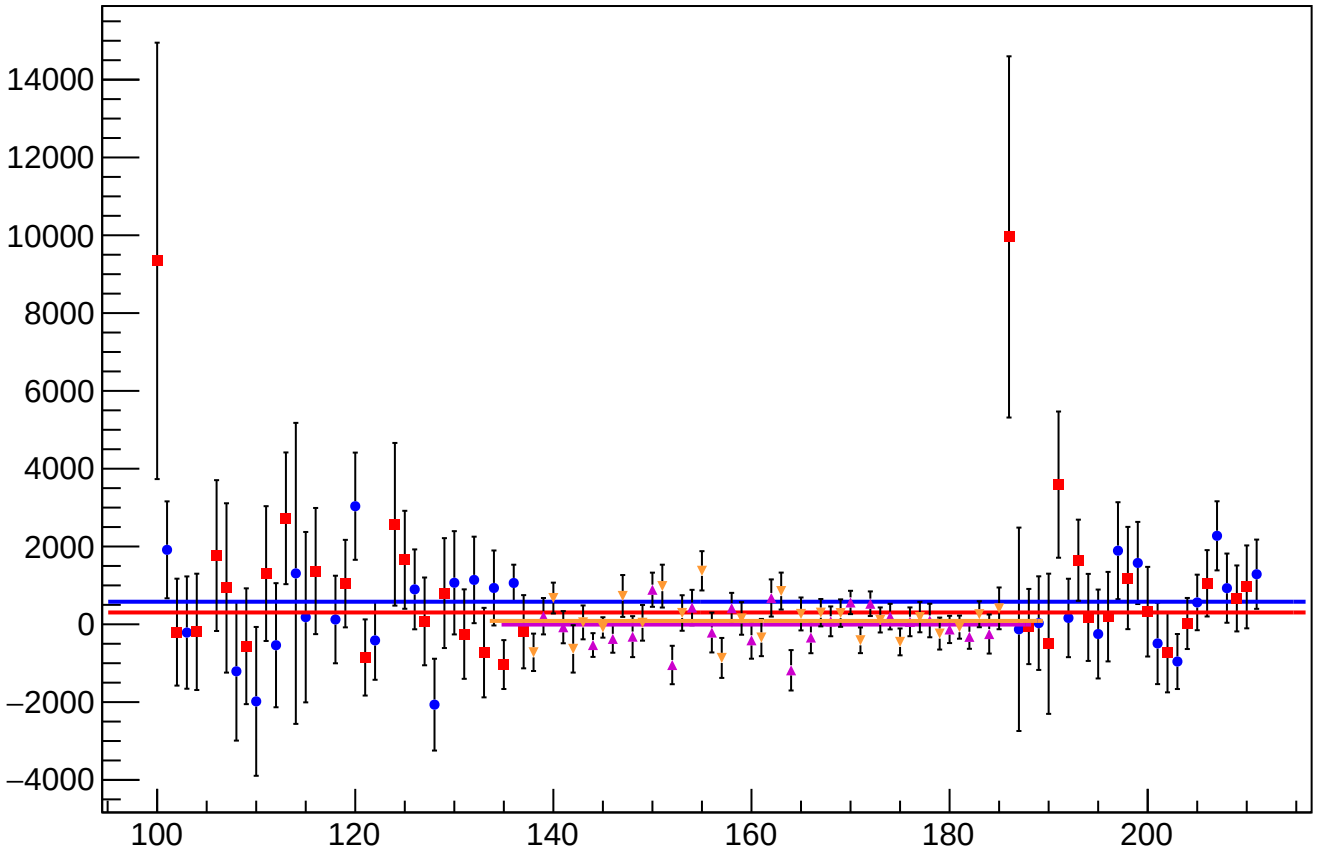
Right Out: 90.581+/-0.016 χ^2/NDF: 2077436.1/32

Left In: 62.311+/-0.010 χ^2/NDF:484544.3/22

+ sign 69.585+/-0.008 χ^2/NDF: 3815173.1/52

All: 70.285+/-0.006 χ^2/NDF: 8654206.6/108

- sign 71.019+/-0.009 χ^2/NDF: 4825073.2/55



Right In: 580.359+/-195.664 χ^2/NDF: 29.0/27

Left Out: 86.985+/-79.837 χ^2/NDF:31.7/24

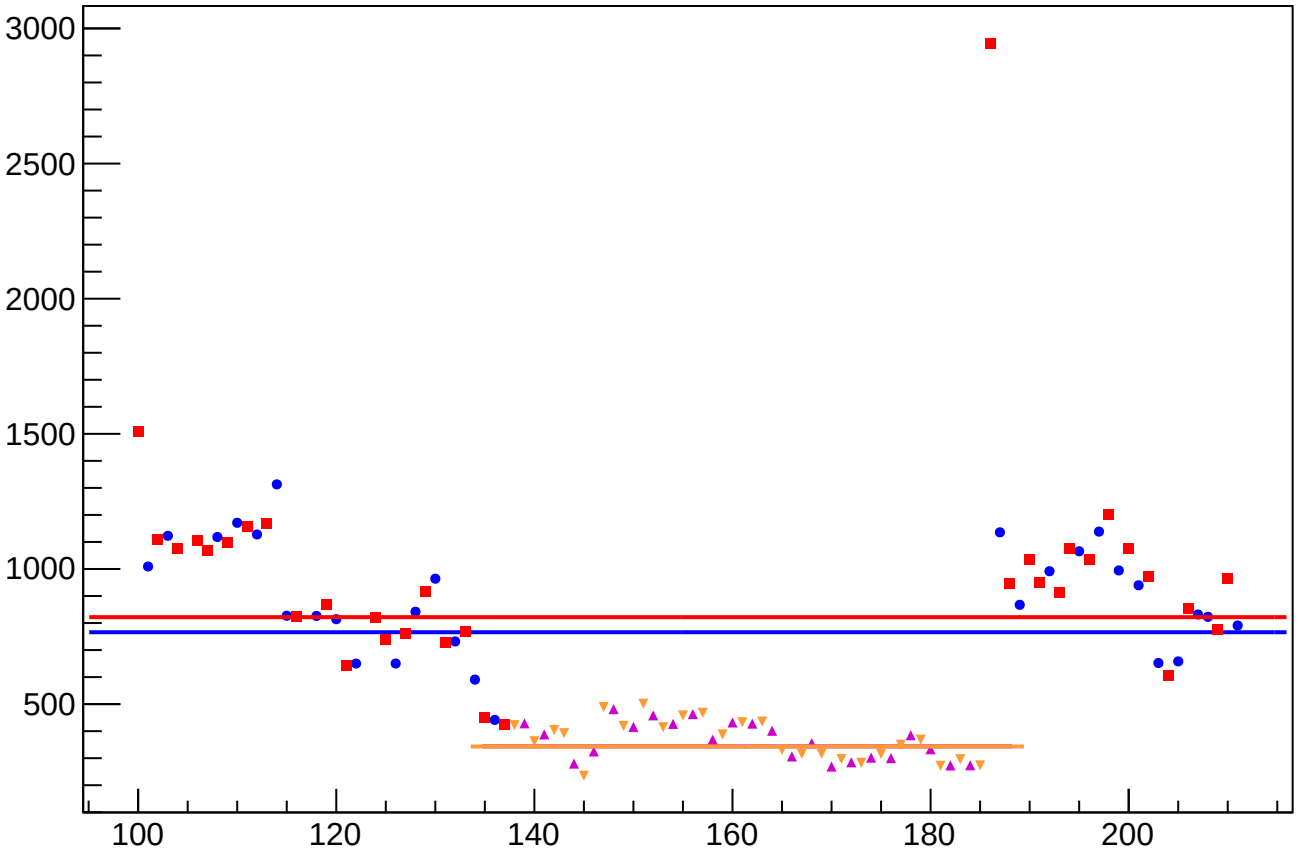
Right Out: 304.307+/-201.726 χ^2/NDF: 29.2/32

Left In: -6.497+/-82.111 χ^2/NDF:32.4/22

+ sign 157.402+/-73.920 χ^2/NDF: 66.1/52

All: 99.242+/-53.007 χ^2/NDF: 131.0/108

- sign 37.678+/-76.052 χ^2/NDF: 63.6/55



Right In: 765.962+/-0.138 χ^2/NDF: 2382153.5/27

Left Out: 343.225+/-0.056 χ^2/NDF:1595415.4/24

Right Out: 821.799+/-0.143 χ^2/NDF: 2886965.8/32

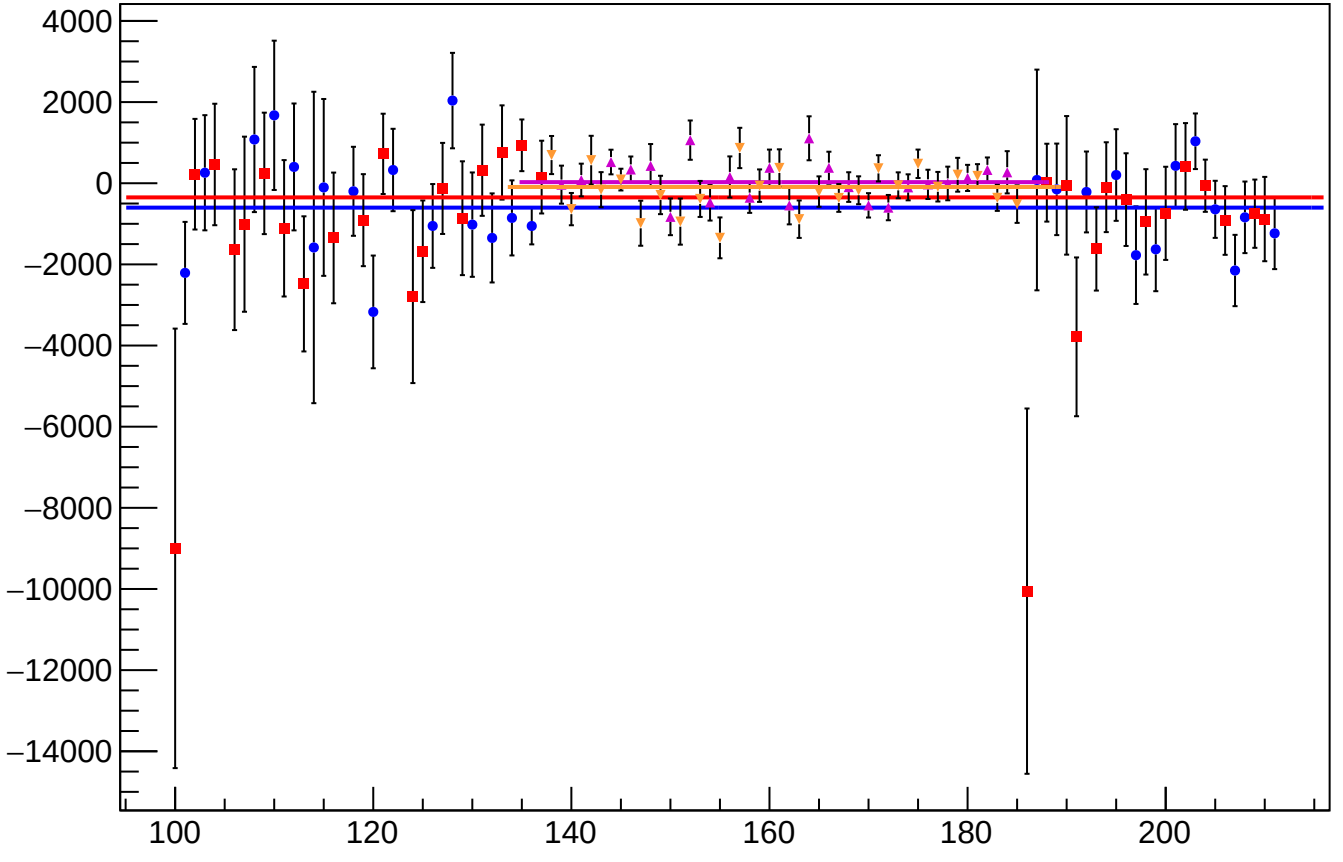
Left In: 343.717+/-0.058 χ^2/NDF:1258392.0/22

+ sign 403.561+/-0.052 χ^2/NDF: 11980876.1/52

All: 407.499+/-0.037 χ^2/NDF: 25774694.6/10

- sign 411.668+/-0.054 χ^2/NDF: 13782129.8/55

asym_sam_15_26_dd_mean vs Slug



Right In: -601.151+/-191.821 χ^2/NDF: 29.4/27

Left Out: -92.671+/-78.184 χ^2/NDF:34.2/24

Right Out: -348.938+/-200.450 χ^2/NDF: 27.1/32

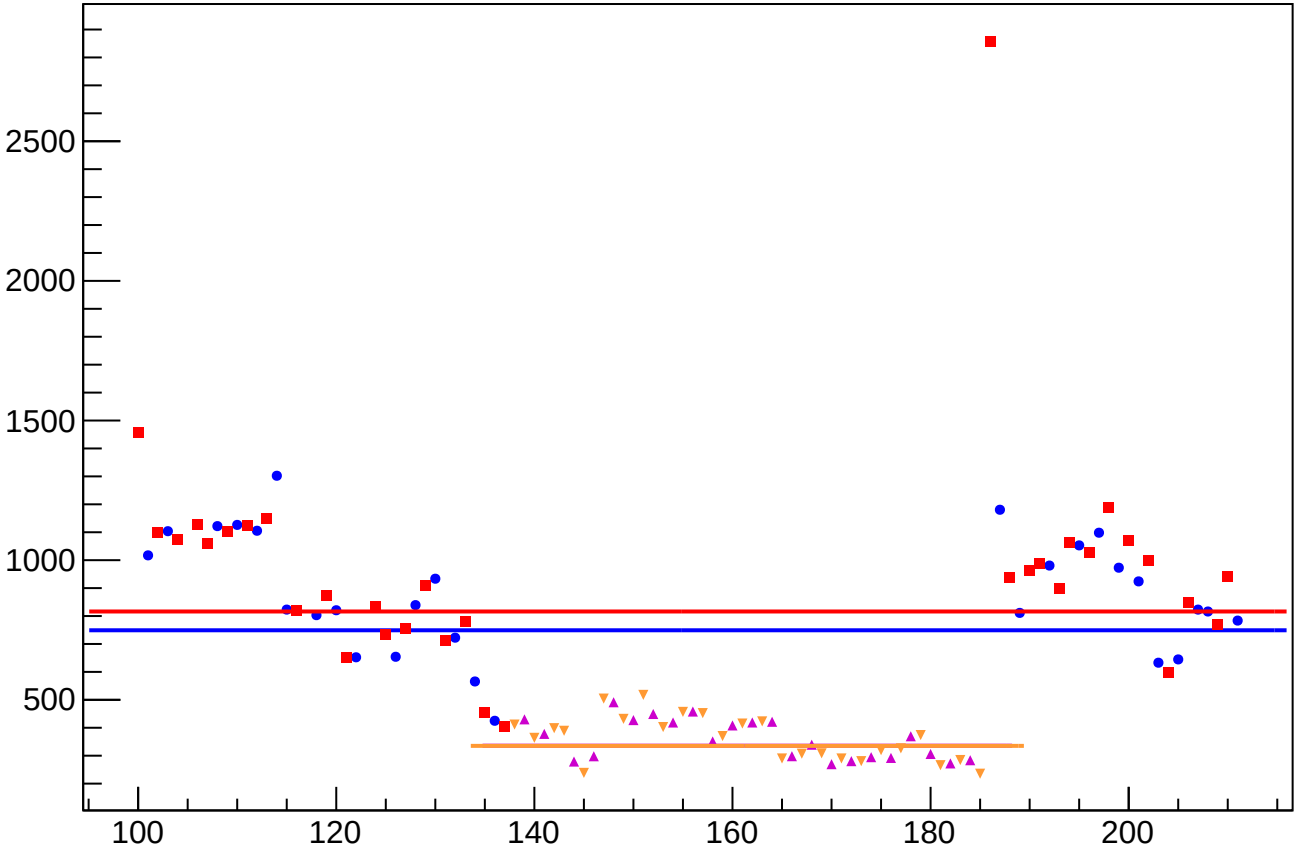
Left In: 27.173+/-80.207 χ^2/NDF:30.9/22

+ sign -165.110+/-72.401 χ^2/NDF: 69.6/52

All: -96.897+/-51.910 χ^2/NDF: 132.5/108

- sign -24.735+/-74.467 χ^2/NDF: 61.0/55

asym_sam_15_26_dd_rms vs Slug



Right In: 749.006+/-0.136 χ^2/NDF: 2495751.8/27

Left Out: 335.150+/-0.055 χ^2/NDF:1706014.2/24

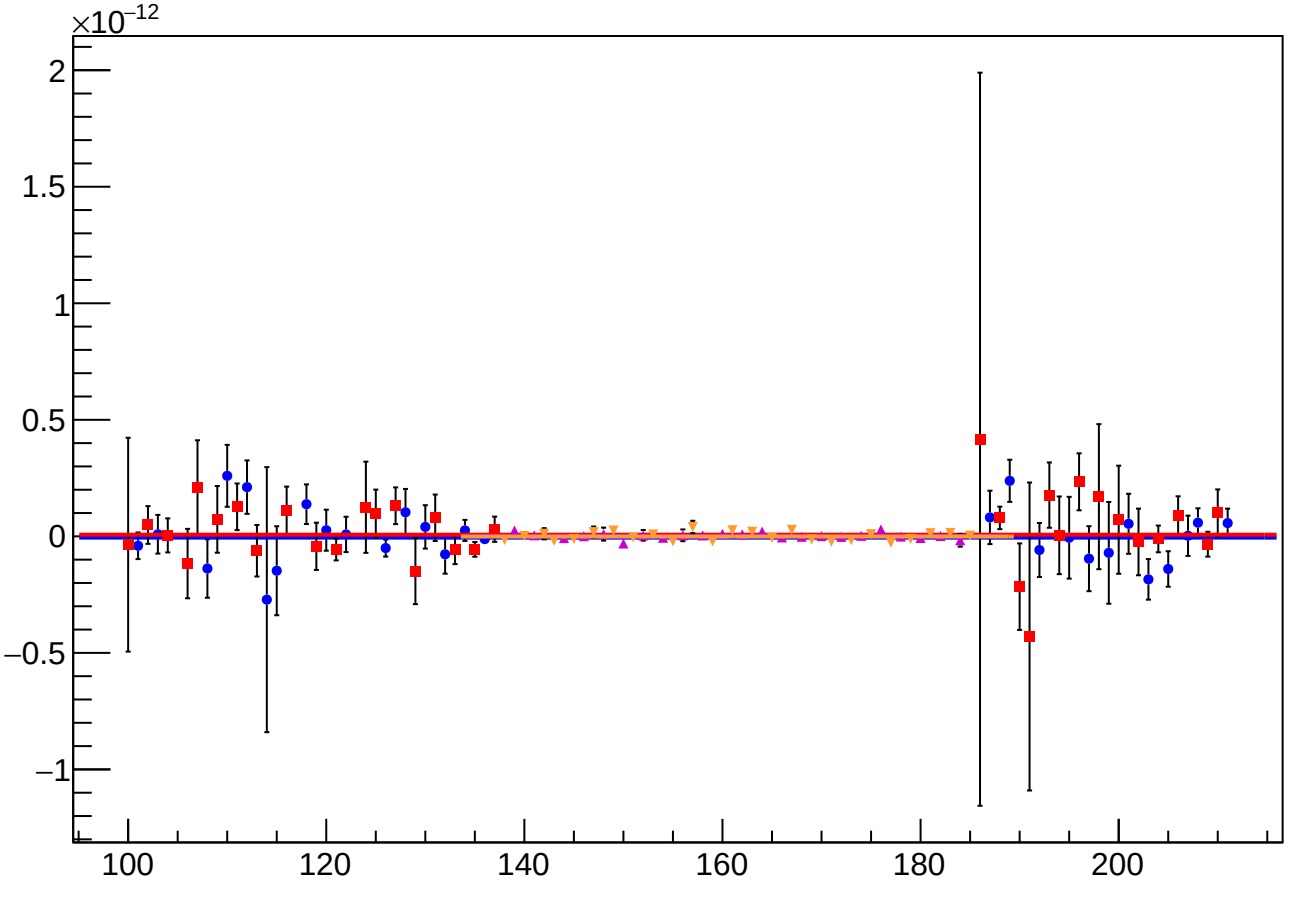
Right Out: 816.300+/-0.142 χ^2/NDF: 2887217.1/32

Left In: 335.787+/-0.057 χ^2/NDF:1291376.5/22

+ sign 394.109+/-0.051 χ^2/NDF: 12185197.9/52

All: 397.994+/-0.037 χ^2/NDF: 26282393.5/10

- sign 402.104+/-0.053 χ^2/NDF: 14085342.6/55



Right In: -0.000+/-0.000 χ^2/NDF: 35.5/27

Left Out: -0.000+/-0.000 χ^2/NDF:33.3/24

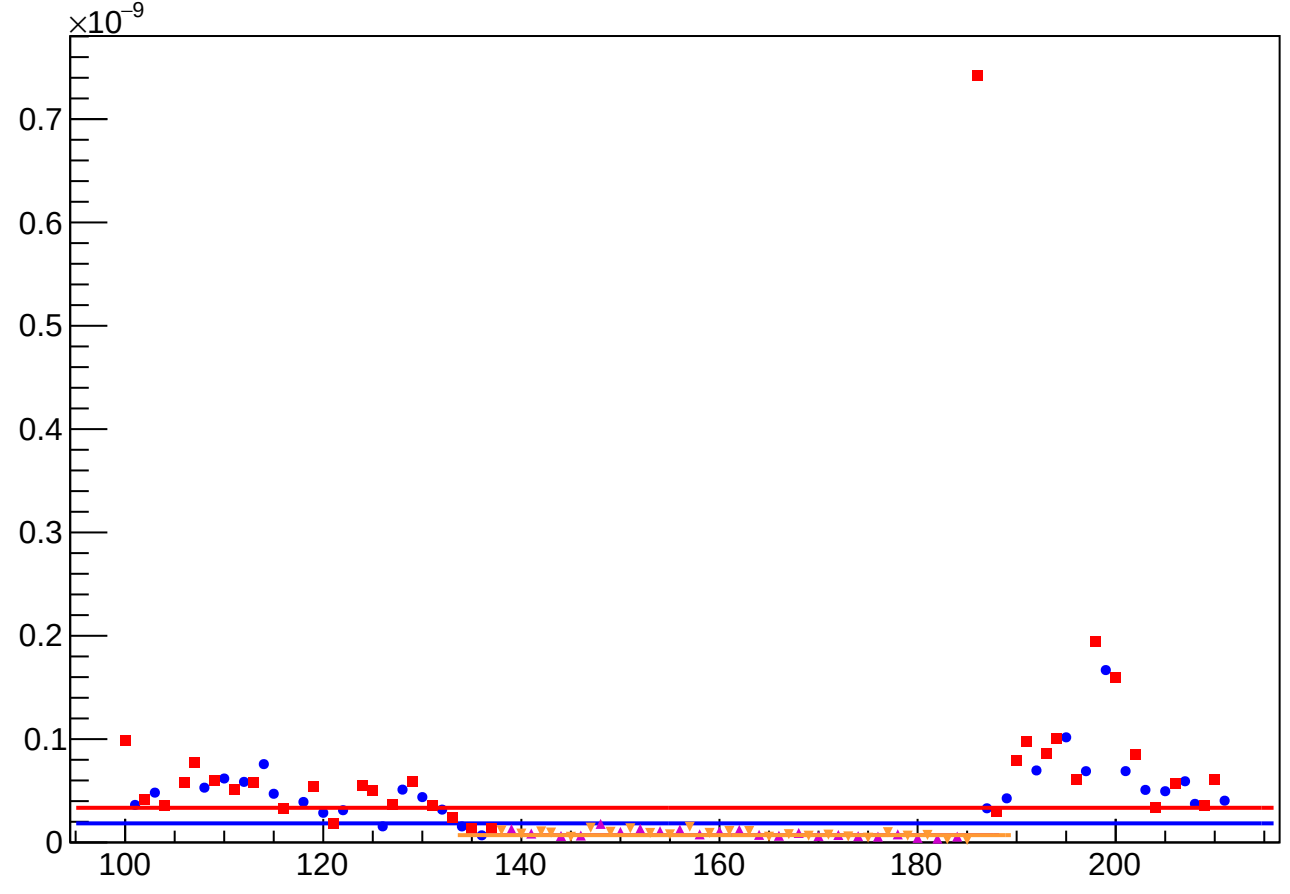
Right Out: 0.000+/-0.000 χ^2/NDF: 29.8/32

Left In: 0.000+/-0.000 χ^2/NDF:14.8/22

+ sign -0.000+/-0.000 χ^2/NDF: 68.9/52

All: 0.000+/-0.000 χ^2/NDF: 114.2/108

- sign 0.000+/-0.000 χ^2/NDF: 44.7/55



Right In: 0.000+/-0.000 χ^2/NDF: 7494810.2/27

Left Out: 0.000+/-0.000 χ^2/NDF:2000233.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4953737.9/32

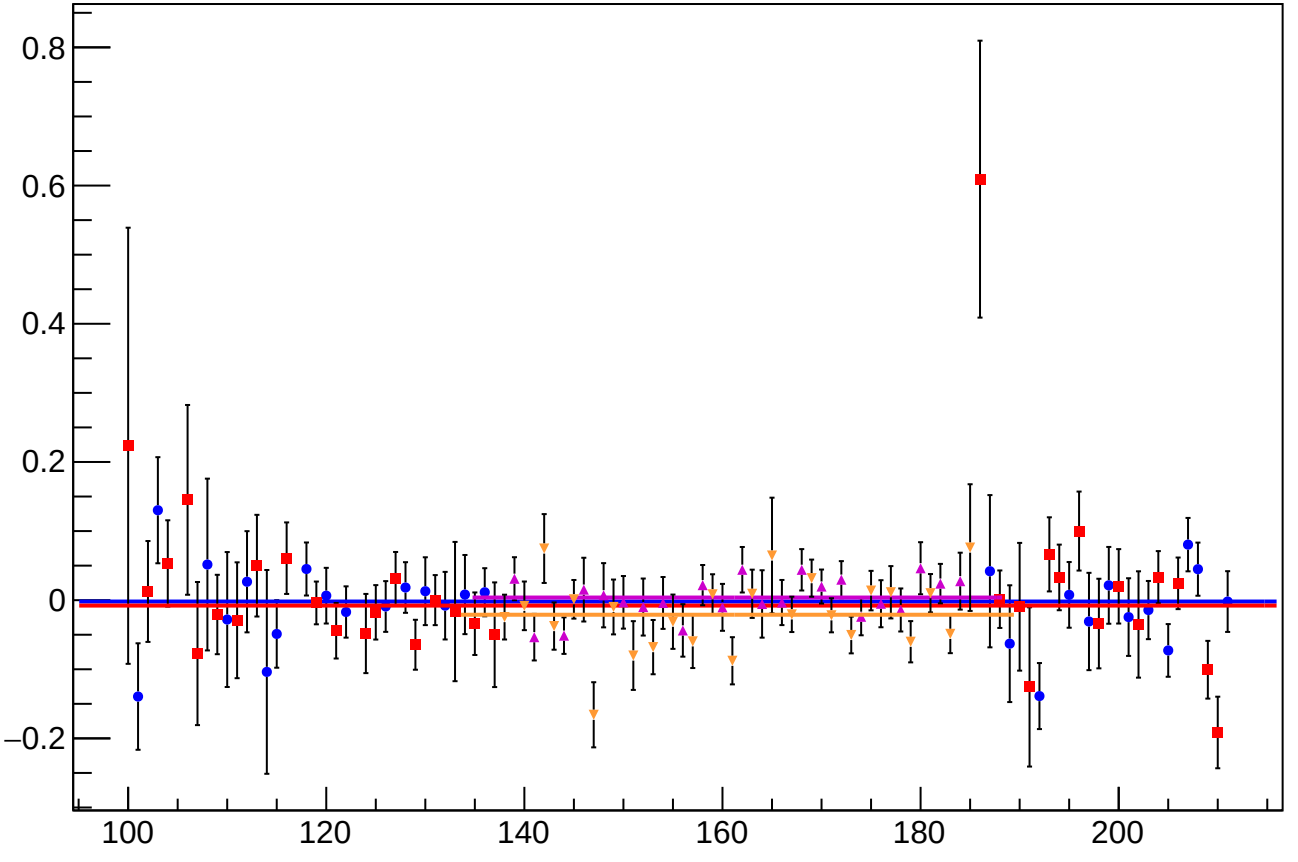
Left In: 0.000+/-0.000 χ^2/NDF:1604062.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 12018419.6/52

All: 0.000+/-0.000 χ^2/NDF: 25135284.0/108

- sign 0.000+/-0.000 χ^2/NDF: 13102834.3/55

asym_sam_15_26_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.002+/-0.009 χ^2/NDF: 29.3/27

Left Out: -0.021+/-0.007 χ^2/NDF:37.2/24

Right Out: -0.008+/-0.009 χ^2/NDF: 48.1/32

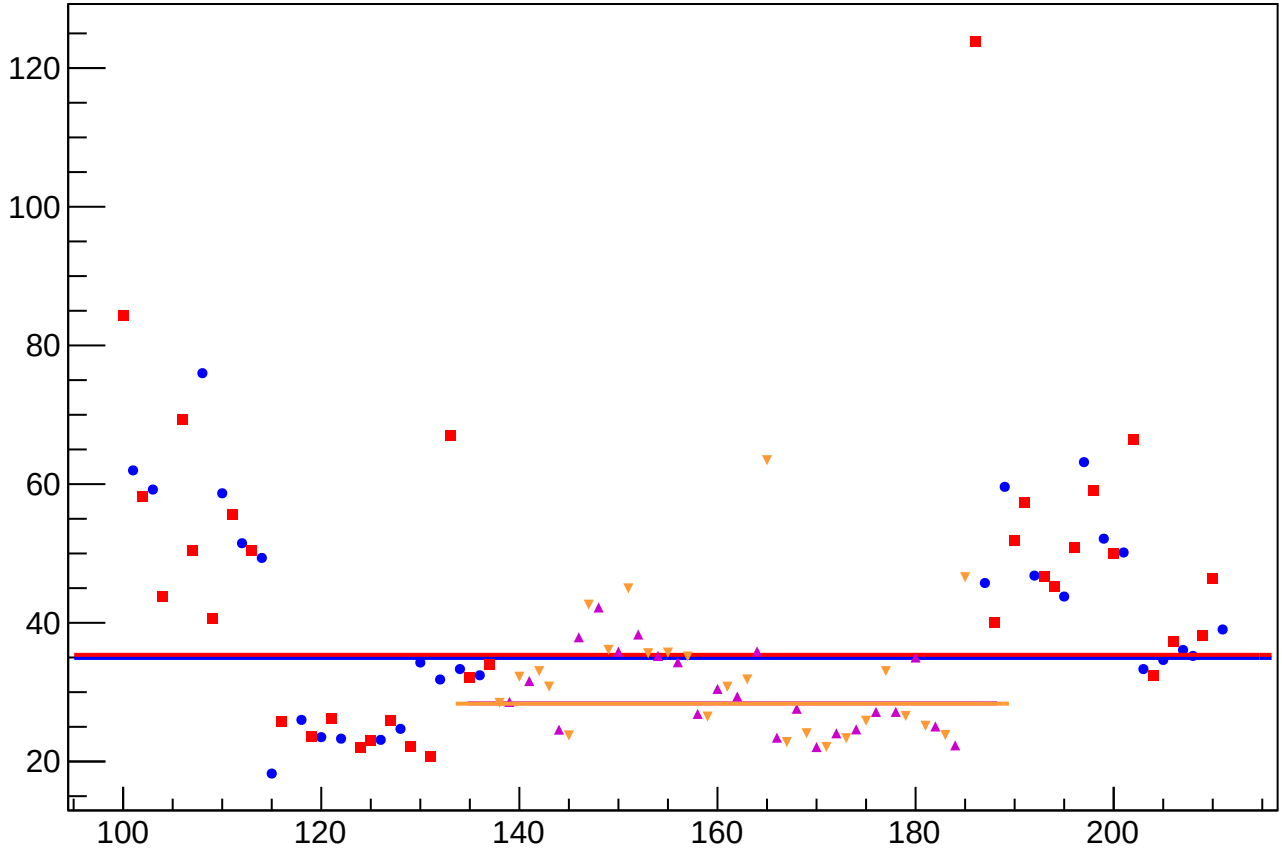
Left In: 0.004+/-0.007 χ^2/NDF:18.7/22

+ sign -0.015+/-0.005 χ^2/NDF: 69.3/52

All: -0.008+/-0.004 χ^2/NDF: 140.4/108

- sign -0.000+/-0.005 χ^2/NDF: 67.8/55

asym_sam_15_26_dd_dit_vs_cor_diff_rms vs Slug



Right In: 34.939+/-0.007 χ^2/NDF: 3050828.8/27

Left Out: 28.342+/-0.005 χ^2/NDF:1733592.1/24

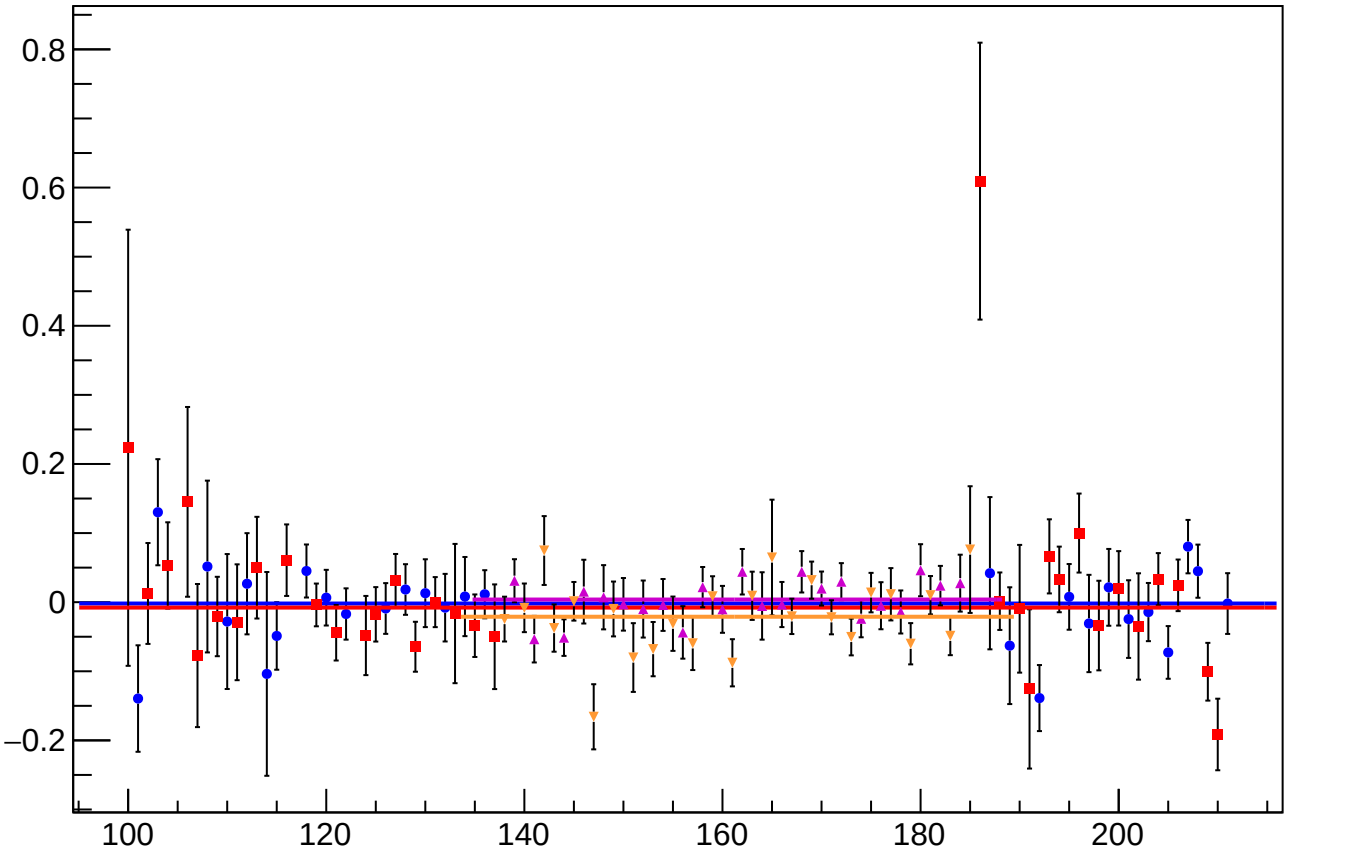
Right Out: 35.382+/-0.006 χ^2/NDF: 4082212.9/32

Left In: 28.389+/-0.005 χ^2/NDF:1098849.1/22

+ sign 30.599+/-0.004 χ^2/NDF: 5453857.9/52

All: 30.766+/-0.003 χ^2/NDF: 11395493.5/108

- sign 30.936+/-0.004 χ^2/NDF: 5937800.9/55



Right In: -0.002+/-0.009 χ^2/NDF: 29.3/27

Left Out: -0.021+/-0.007 χ^2/NDF:37.2/24

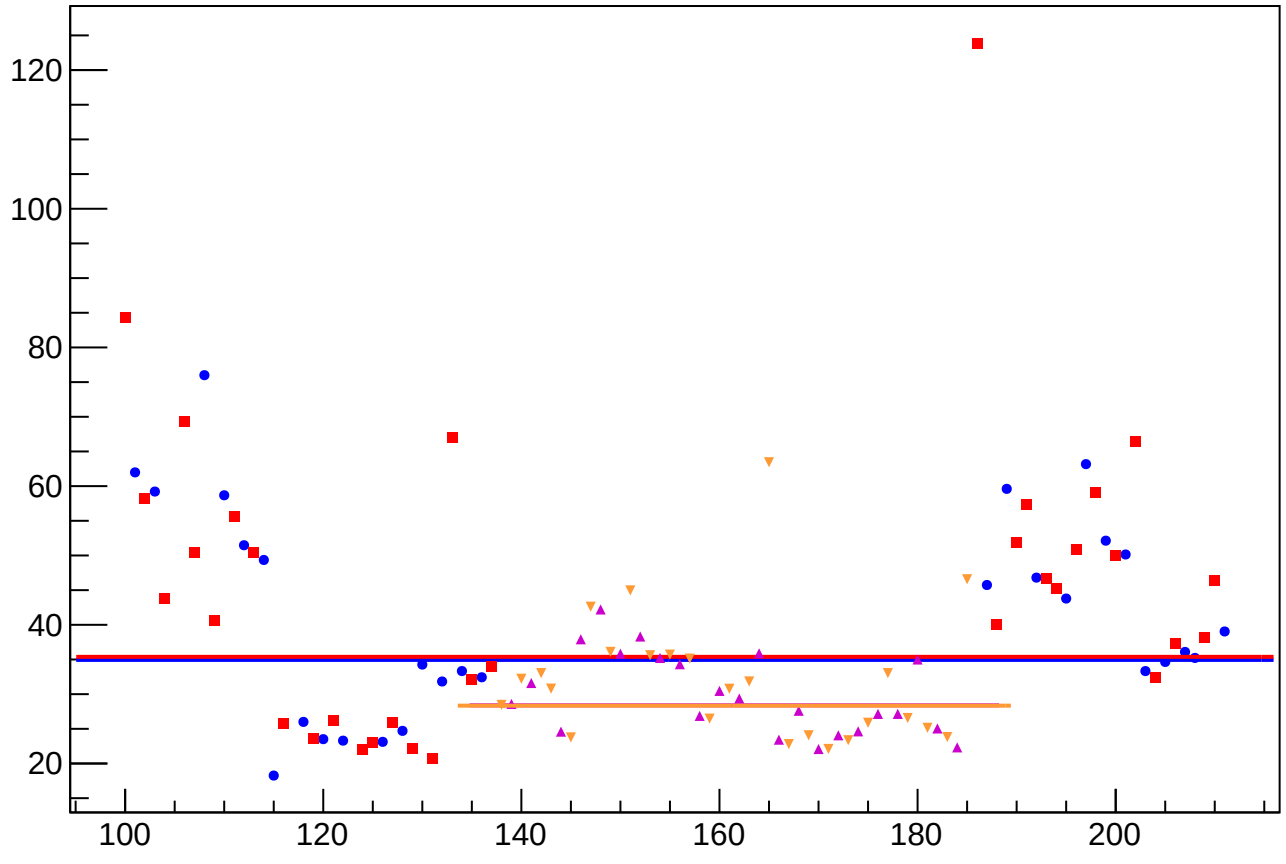
Right Out: -0.008+/-0.009 χ^2/NDF: 48.1/32

Left In: 0.004+/-0.007 χ^2/NDF:18.7/22

+ sign -0.015+/-0.005 χ^2/NDF: 69.3/52

All: -0.008+/-0.004 χ^2/NDF: 140.4/108

- sign -0.000+/-0.005 χ^2/NDF: 67.8/55



Right In: 34.939+/-0.007 χ^2/NDF: 3050828.8/27

Left Out: 28.342+/-0.005 χ^2/NDF:1733592.1/24

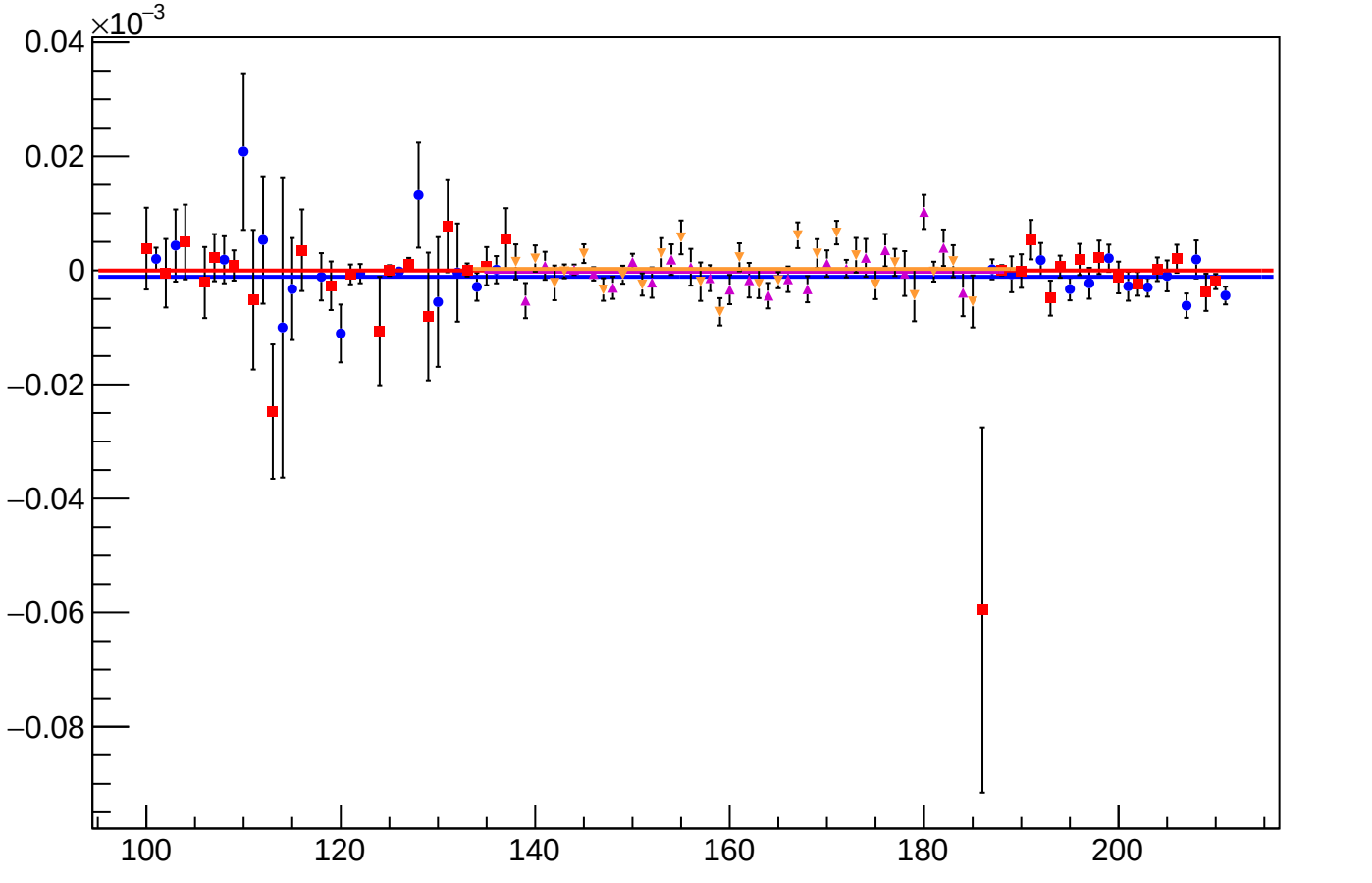
Right Out: 35.382+/-0.006 χ^2/NDF: 4082212.9/32

Left In: 28.389+/-0.005 χ^2/NDF:1098849.1/22

+ sign 30.599+/-0.004 χ^2/NDF: 5453857.9/52

All: 30.766+/-0.003 χ^2/NDF: 11395493.5/108

- sign 30.936+/-0.004 χ^2/NDF: 5937800.9/55



Right In: -0.000+/-0.000 χ^2/NDF: 32.7/27

Left Out: 0.000+/-0.000 χ^2/NDF:50.8/24

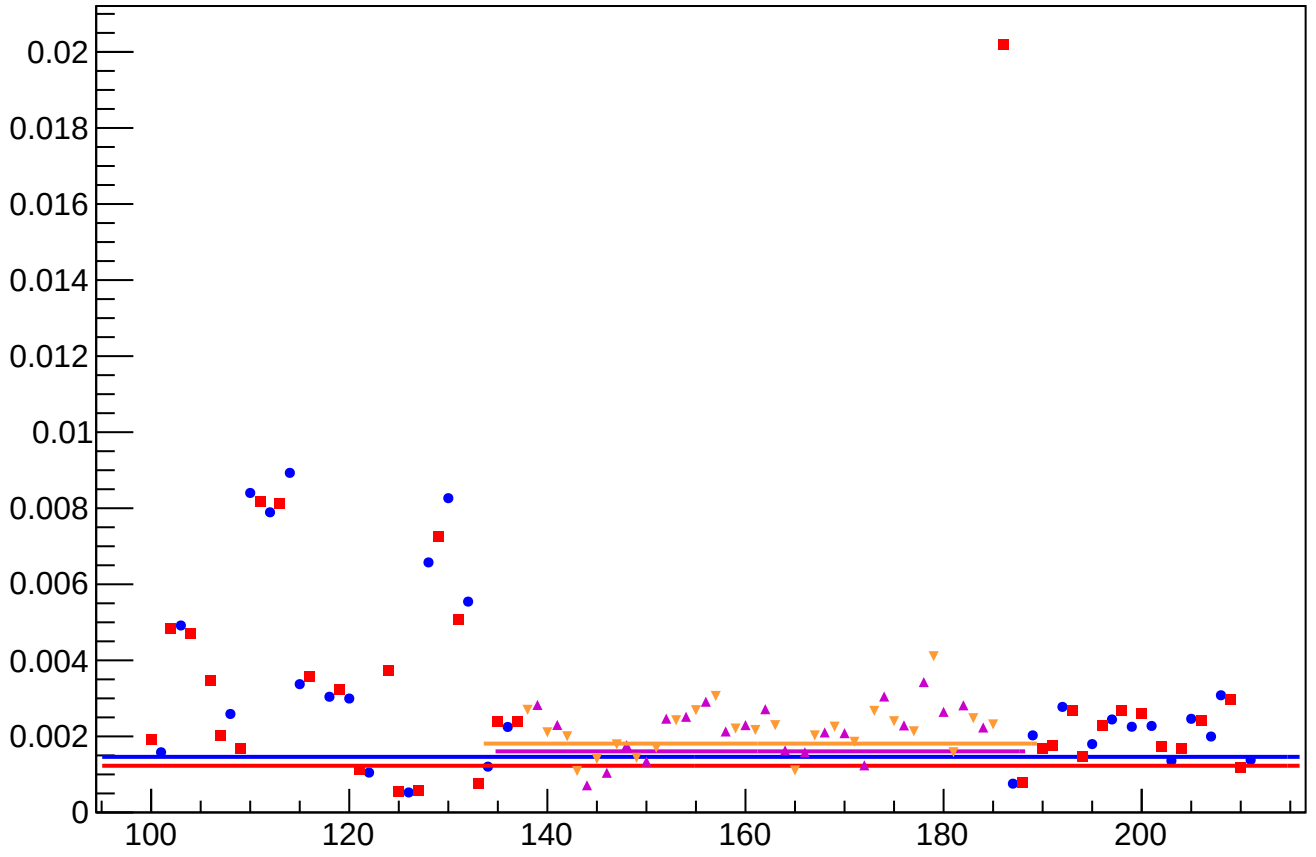
Right Out: -0.000+/-0.000 χ^2/NDF: 27.1/32

Left In: -0.000+/-0.000 χ^2/NDF:33.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 88.5/52

All: -0.000+/-0.000 χ^2/NDF: 149.5/108

- sign -0.000+/-0.000 χ^2/NDF: 60.5/55



Right In: 0.001+/-0.000 χ^2/NDF: 9749821.9/27

Left Out: 0.002+/-0.000 χ^2/NDF:3433566.6/24

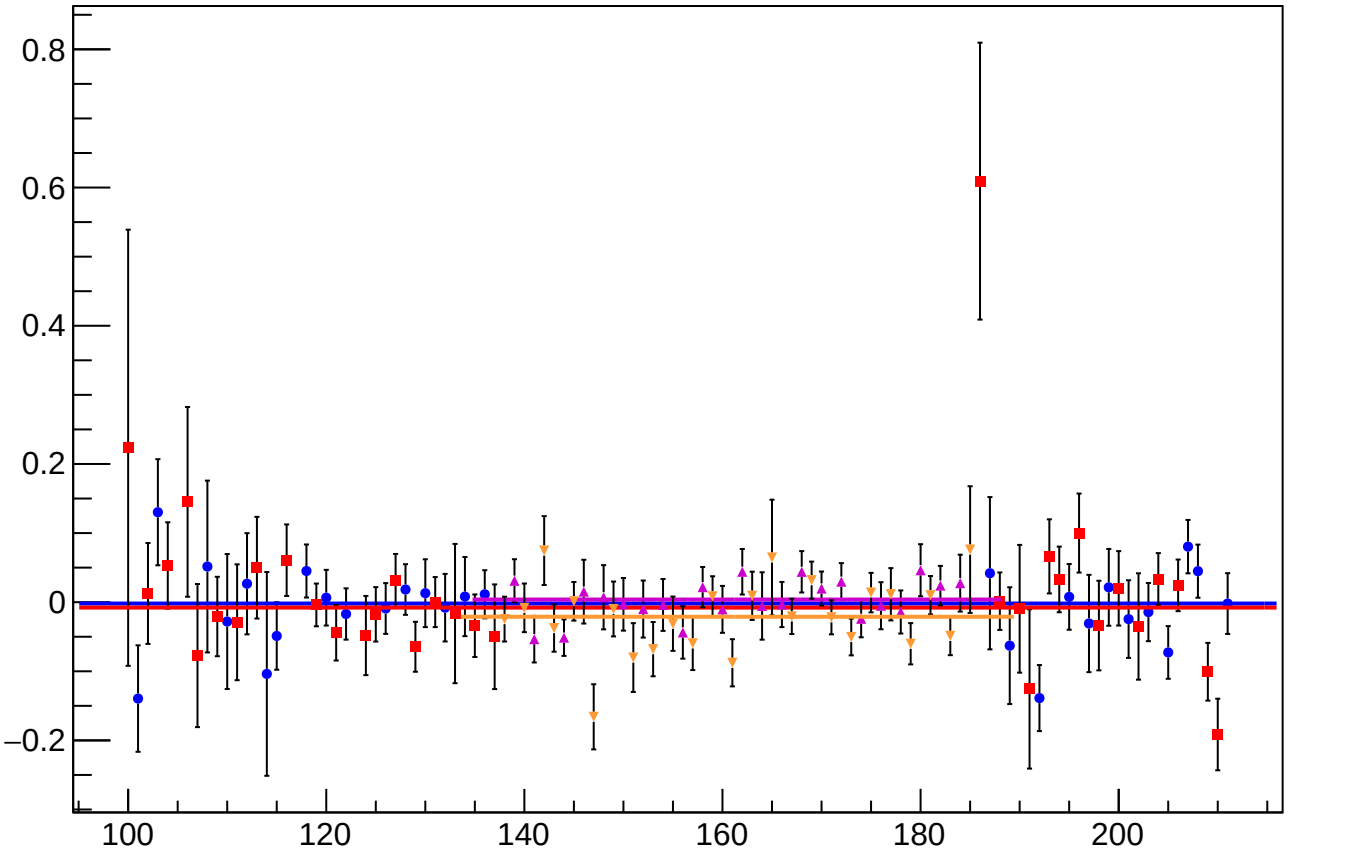
Right Out: 0.001+/-0.000 χ^2/NDF: 11626402.6/32

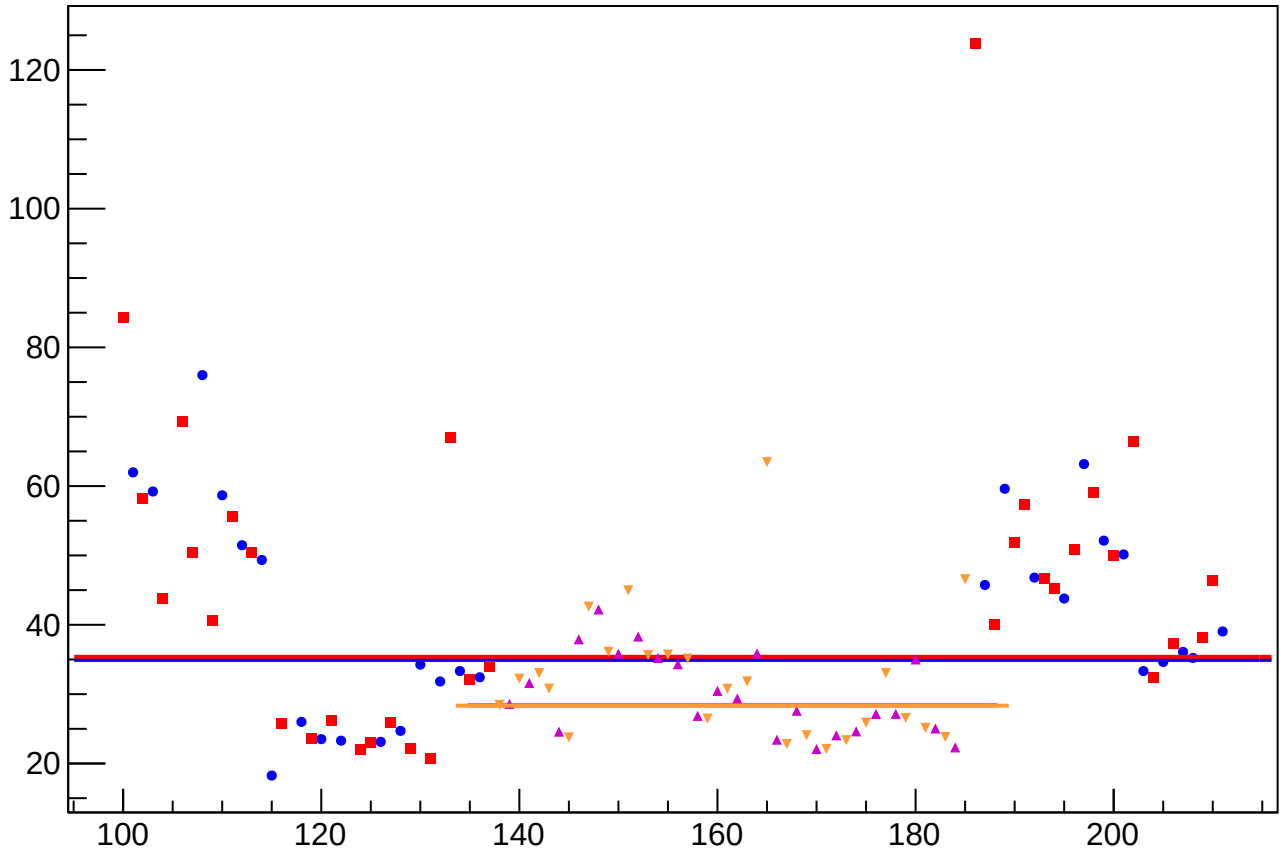
Left In: 0.002+/-0.000 χ^2/NDF:6034225.5/22

+ sign 0.002+/-0.000 χ^2/NDF: 13817813.9/52

All: 0.002+/-0.000 χ^2/NDF: 33068374.3/108

- sign 0.001+/-0.000 χ^2/NDF: 18560180.1/55


asym_sam_15_26_dd_eigen_dit_vs_cor_diff_mean vs Slug
0.8
0.6
0.4
0.2
0
−0.2
100
120
140
160
180
200
Right In: -0.002+/-0.009 χ²/NDF: 29.3/27
Left Out: -0.021+/-0.007 χ²/NDF:37.2/24
Right Out: -0.008+/-0.009 χ²/NDF: 48.1/32
Left In: 0.004+/-0.007 χ²/NDF:18.7/22
+ sign -0.015+/-0.005 χ²/NDF: 69.3/52
All: -0.008+/-0.004 χ²/NDF: 140.4/108
- sign -0.000+/-0.005 χ²/NDF: 67.8/55



Right In: 34.939+/-0.007 χ^2/NDF: 3050695.8/27

Left Out: 28.342+/-0.005 χ^2/NDF:1733585.3/24

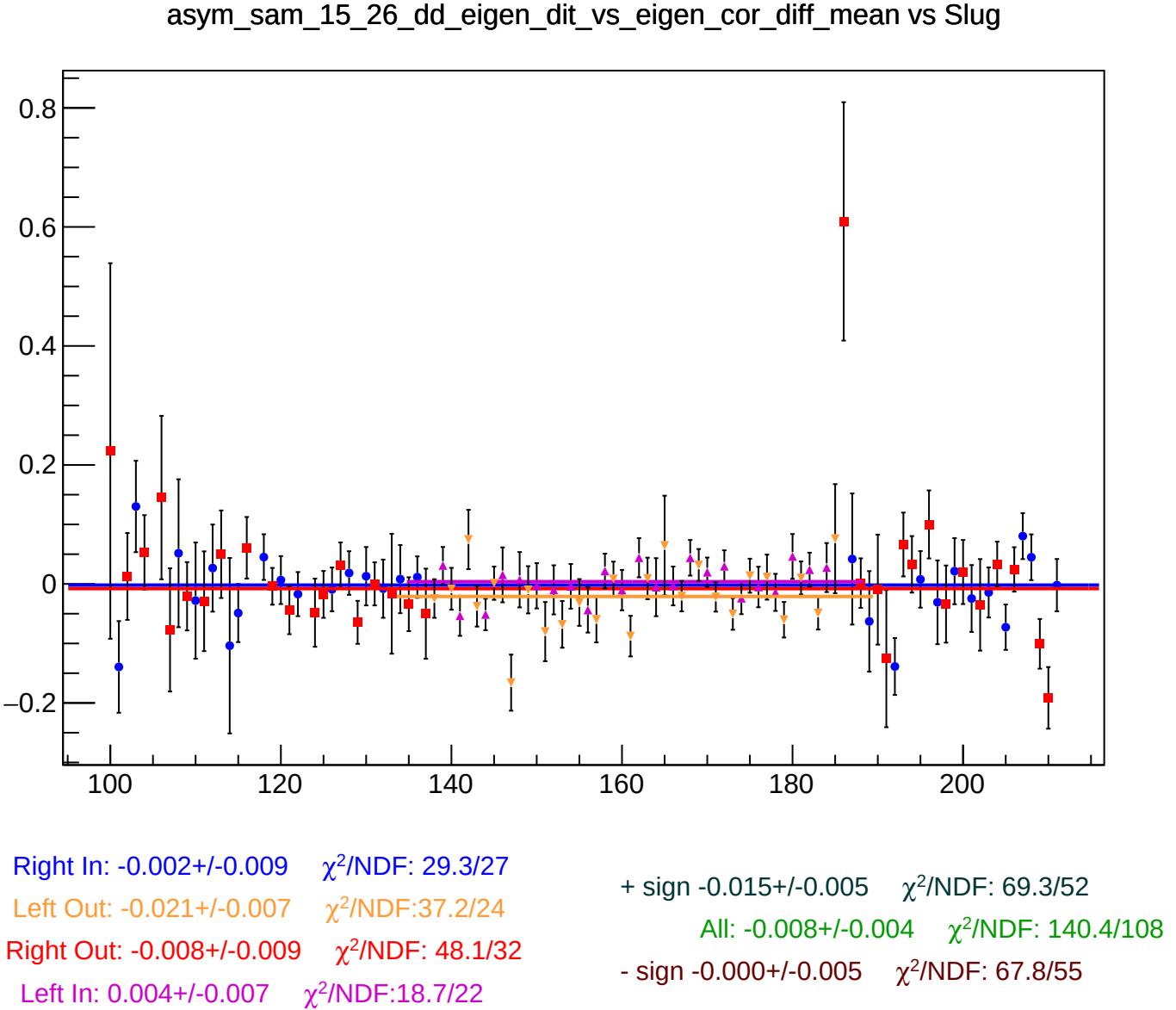
Right Out: 35.381+/-0.006 χ^2/NDF: 4082340.0/32

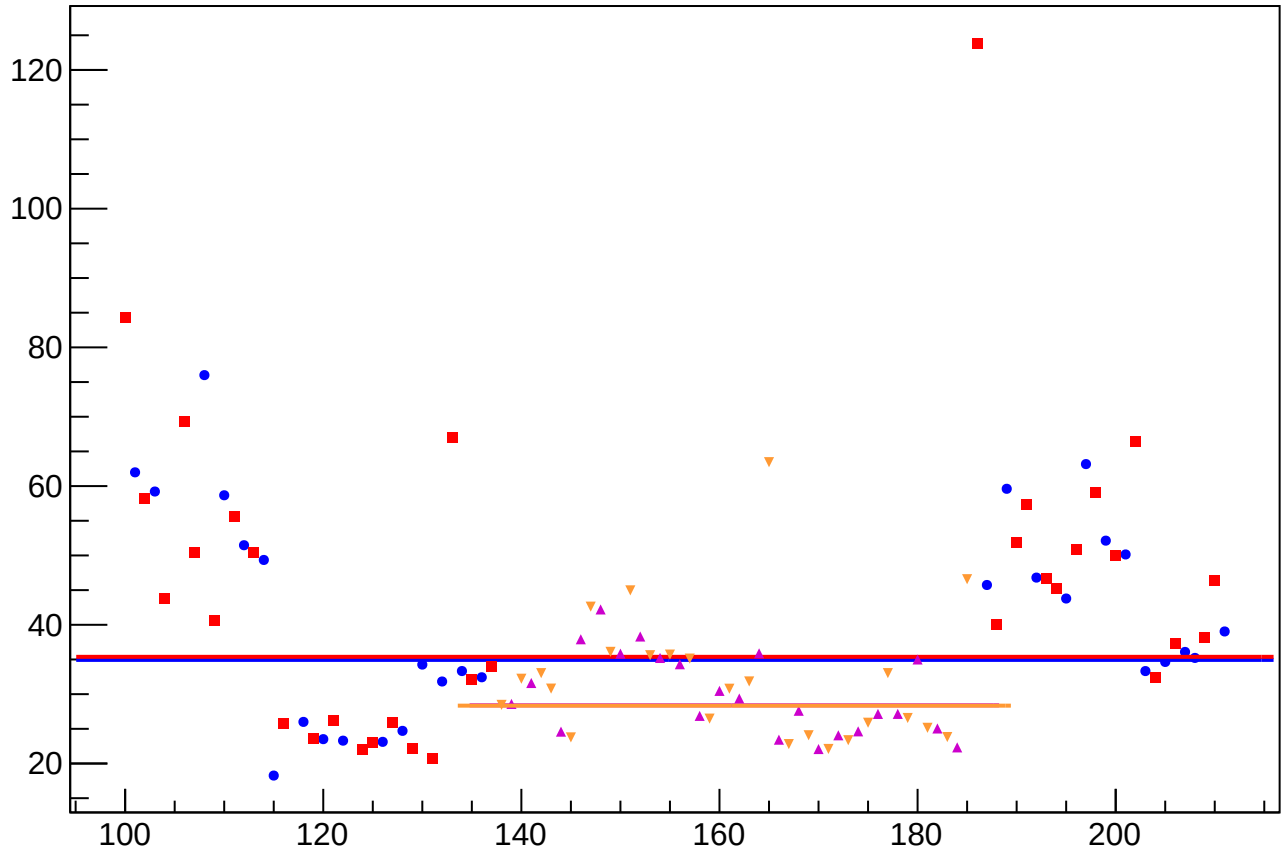
Left In: 28.389+/-0.005 χ^2/NDF:1098852.1/22

+ sign 30.599+/-0.004 χ^2/NDF: 5453699.6/52

All: 30.766+/-0.003 χ^2/NDF: 11395327.5/108

- sign 30.936+/-0.004 χ^2/NDF: 5937792.7/55


asym_sam_15_26_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug
0.8
0.6
0.4
0.2
0
−0.2
100
120
140
160
180
200
Right In: -0.002+/-0.009 χ²/NDF: 29.3/27
Left Out: -0.021+/-0.007 χ²/NDF:37.2/24
Right Out: -0.008+/-0.009 χ²/NDF: 48.1/32
Left In: 0.004+/-0.007 χ²/NDF:18.7/22
+ sign -0.015+/-0.005 χ²/NDF: 69.3/52
All: -0.008+/-0.004 χ²/NDF: 140.4/108
- sign -0.000+/-0.005 χ²/NDF: 67.8/55



Right In: 34.939+/-0.007 χ^2/NDF: 3050695.8/27

Left Out: 28.342+/-0.005 χ^2/NDF:1733585.3/24

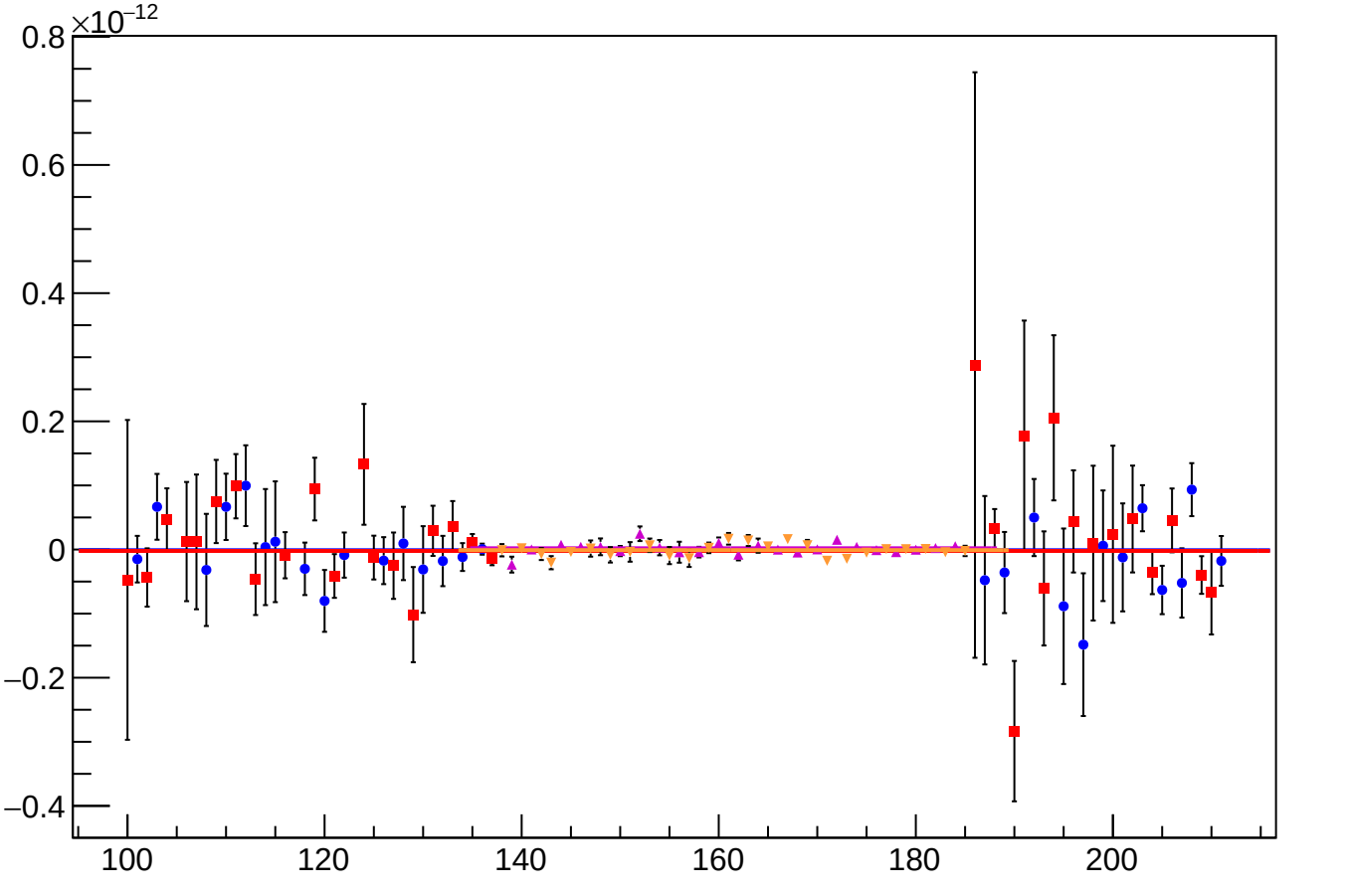
Right Out: 35.381+/-0.006 χ^2/NDF: 4082340.0/32

Left In: 28.389+/-0.005 χ^2/NDF:1098852.1/22

+ sign 30.599+/-0.004 χ^2/NDF: 5453699.6/52

All: 30.766+/-0.003 χ^2/NDF: 11395327.5/108

- sign 30.936+/-0.004 χ^2/NDF: 5937792.7/55



Right In: -0.000+/-0.000 χ^2/NDF: 26.2/27

Left Out: -0.000+/-0.000 χ^2/NDF:34.1/24

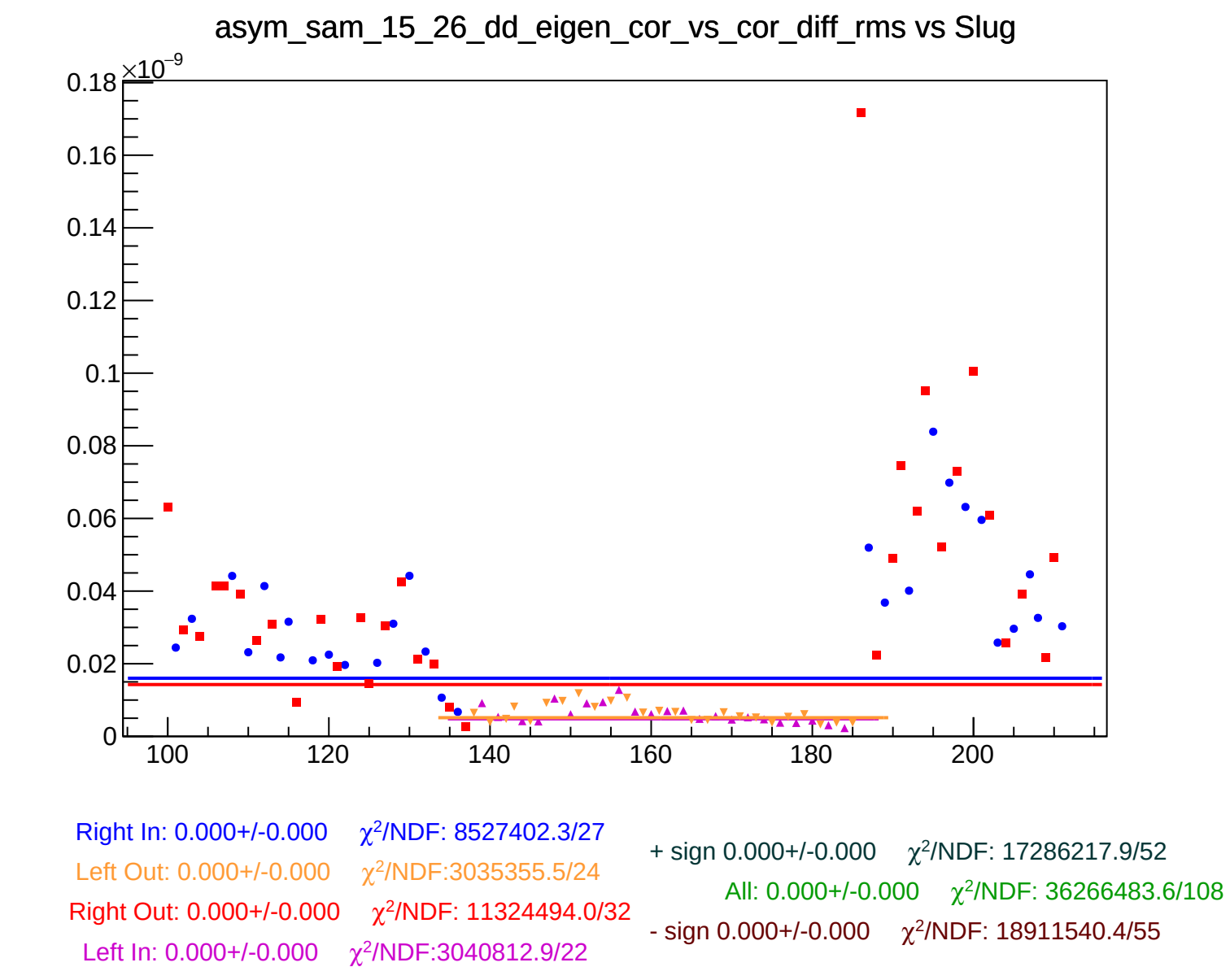
Right Out: -0.000+/-0.000 χ^2/NDF: 39.0/32

Left In: 0.000+/-0.000 χ^2/NDF:19.5/22

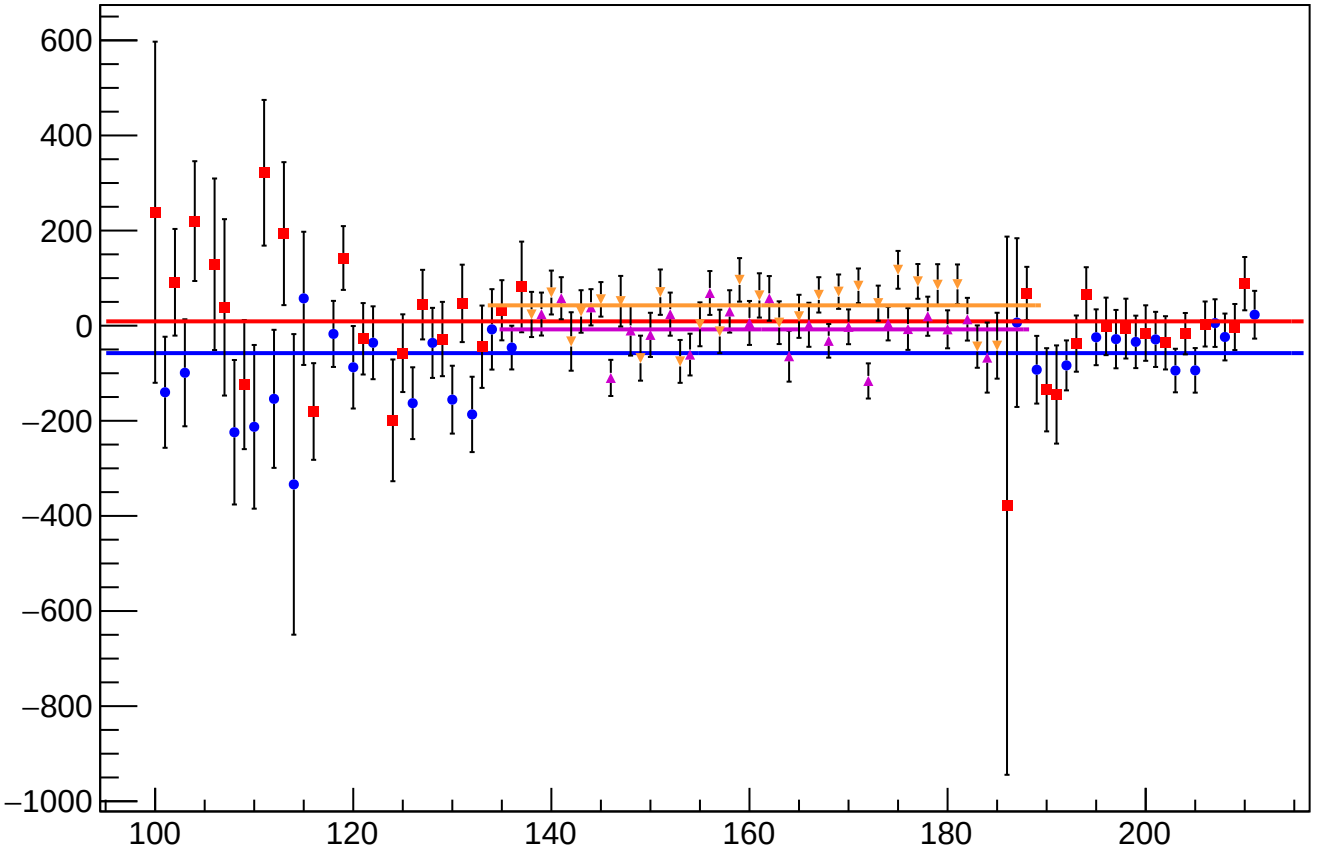
+ sign -0.000+/-0.000 χ^2/NDF: 60.3/52

All: 0.000+/-0.000 χ^2/NDF: 121.0/108

- sign 0.000+/-0.000 χ^2/NDF: 59.0/55


asym_sam_15_26_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 8527402.3/27
Left Out: 0.000+/-0.000 χ²/NDF:3035355.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 11324494.0/32
Left In: 0.000+/-0.000 χ²/NDF:3040812.9/22
+ sign 0.000+/-0.000 χ²/NDF: 17286217.9/52
All: 0.000+/-0.000 χ²/NDF: 36266483.6/108
- sign 0.000+/-0.000 χ²/NDF: 18911540.4/55

reg_asym_sam_37_26_dd_mean vs Slug



Right In: -57.695+/-12.815 χ^2/NDF: 19.5/27

Left Out: 42.765+/-8.698 χ^2/NDF:34.7/24

Right Out: 9.097+/-12.846 χ^2/NDF: 35.1/32

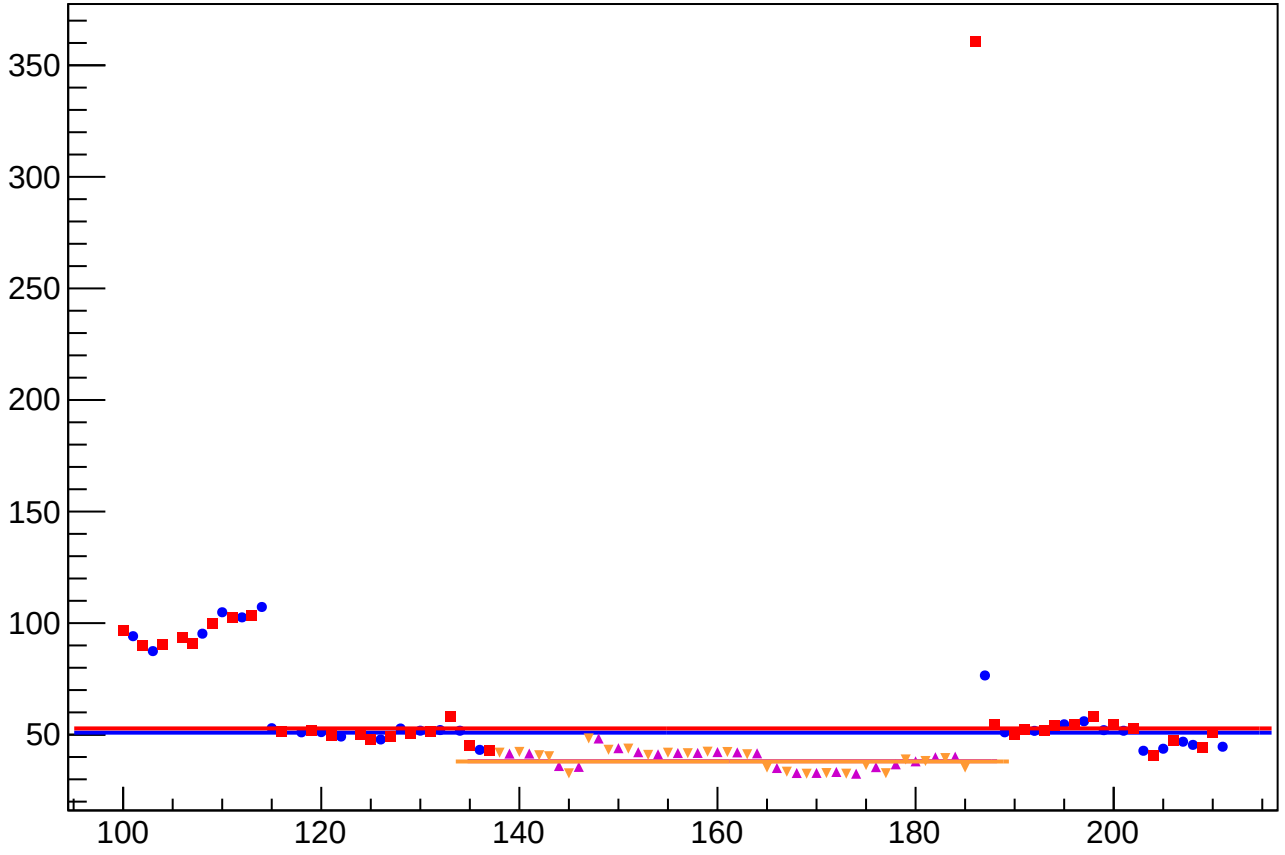
Left In: -7.783+/-8.974 χ^2/NDF:30.6/22

+ sign 11.081+/-7.197 χ^2/NDF: 96.3/52

All: 4.563+/-5.145 χ^2/NDF: 164.8/108

- sign -2.247+/-7.357 χ^2/NDF: 66.8/55

reg_asym_sam_37_26_dd_rms vs Slug



Right In: 50.914+/-0.009 χ^2/NDF: 1477342.7/27

Left Out: 37.990+/-0.006 χ^2/NDF:513605.5/24

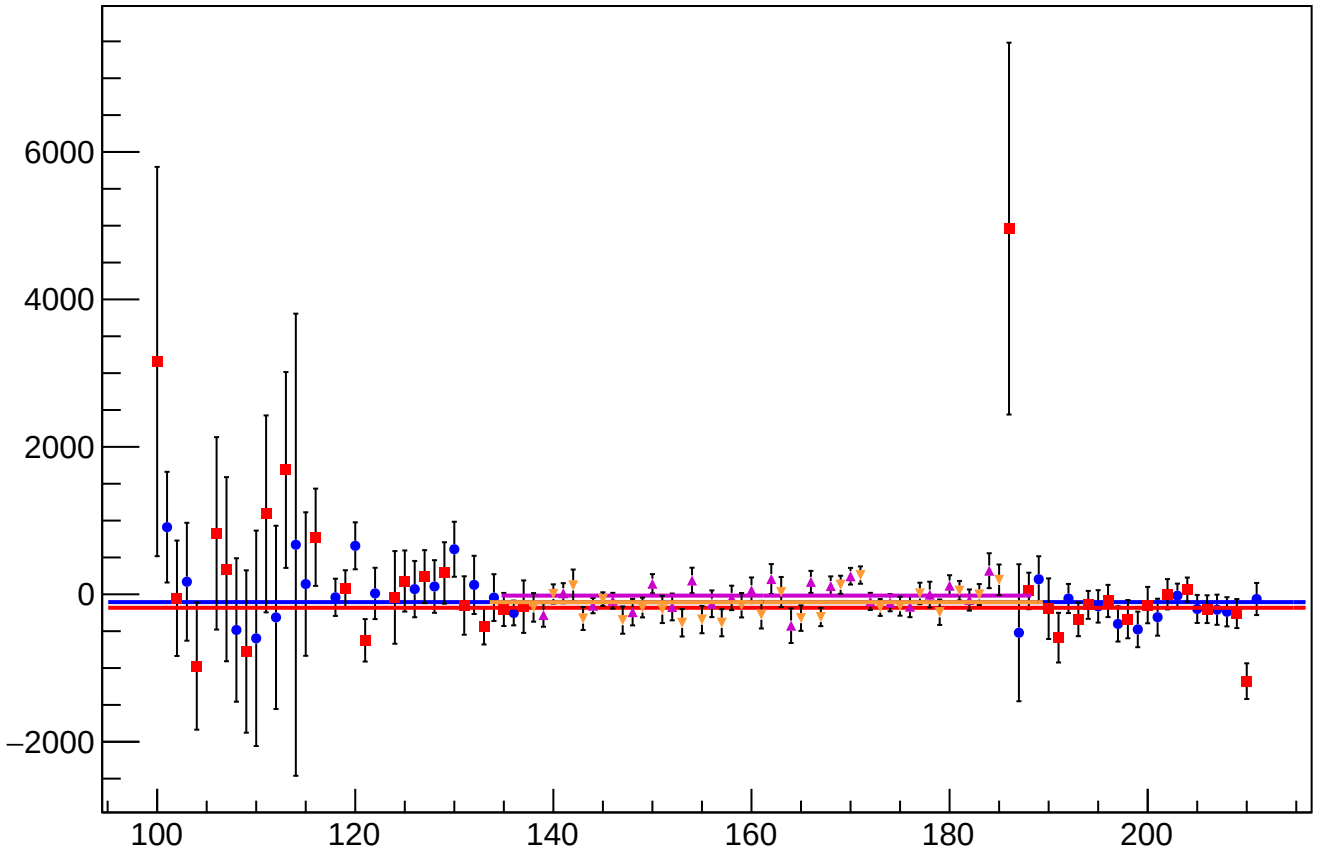
Right Out: 52.813+/-0.009 χ^2/NDF: 2238142.7/32

Left In: 38.133+/-0.006 χ^2/NDF:428309.7/22

+ sign 42.066+/-0.005 χ^2/NDF: 3383617.8/52

All: 42.497+/-0.004 χ^2/NDF: 7820023.4/108

- sign 42.948+/-0.005 χ^2/NDF: 4421728.5/55



Right In: -105.737+/-52.852 χ^2/NDF: 20.8/27

Left Out: -106.506+/-29.563 χ^2/NDF:37.6/24

Right Out: -182.595+/-51.894 χ^2/NDF: 44.2/32

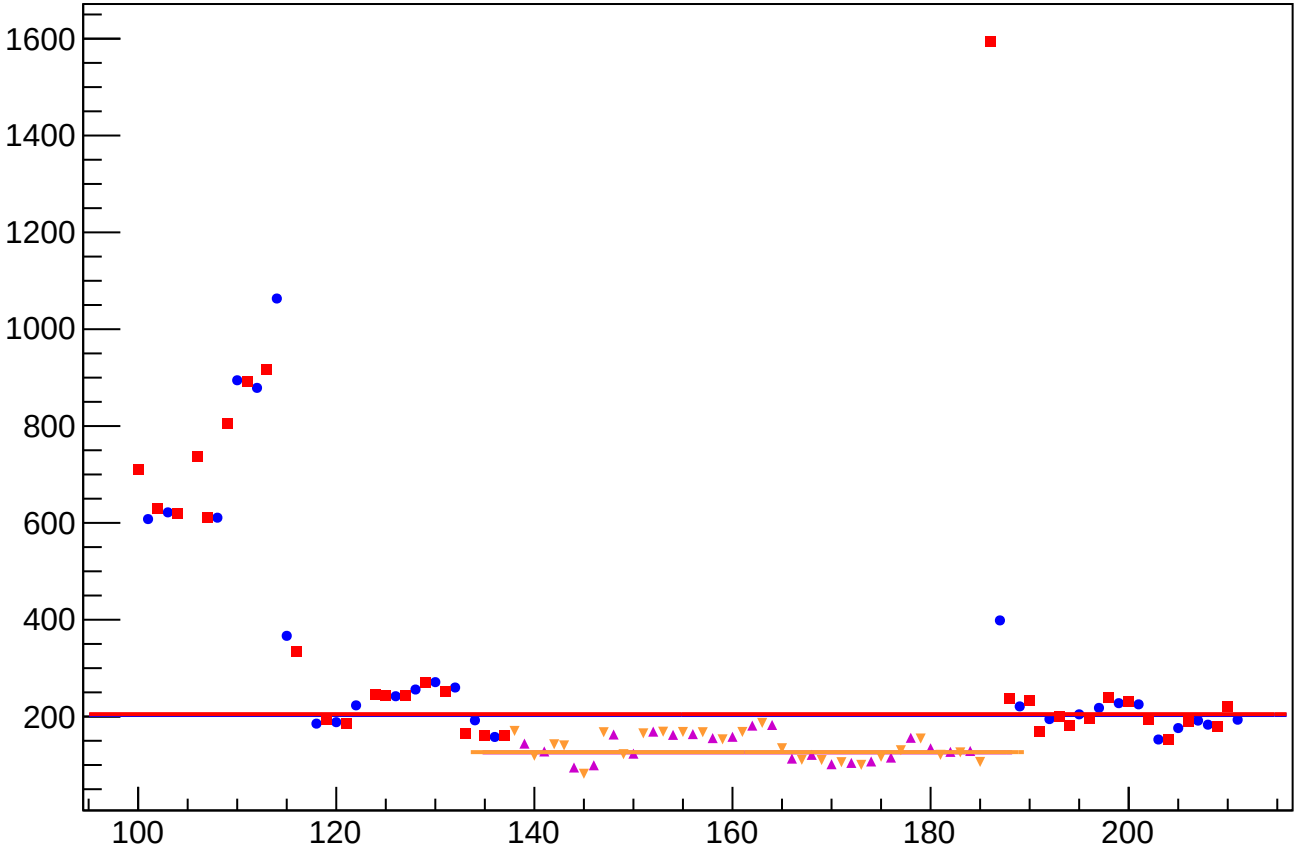
Left In: -17.517+/-30.185 χ^2/NDF:28.2/22

+ sign -106.323+/-25.801 χ^2/NDF: 58.5/52

All: -83.050+/-18.346 χ^2/NDF: 140.1/108

- sign -59.249+/-26.092 χ^2/NDF: 80.0/55

asym_sam_37_26_dd_reg_correction_rms vs Slug



Right In: 203.220+/-0.037 χ^2/NDF: 3471876.7/27

Left Out: 126.561+/-0.021 χ^2/NDF:1758158.3/24

Right Out: 205.017+/-0.037 χ^2/NDF: 4776279.8/32

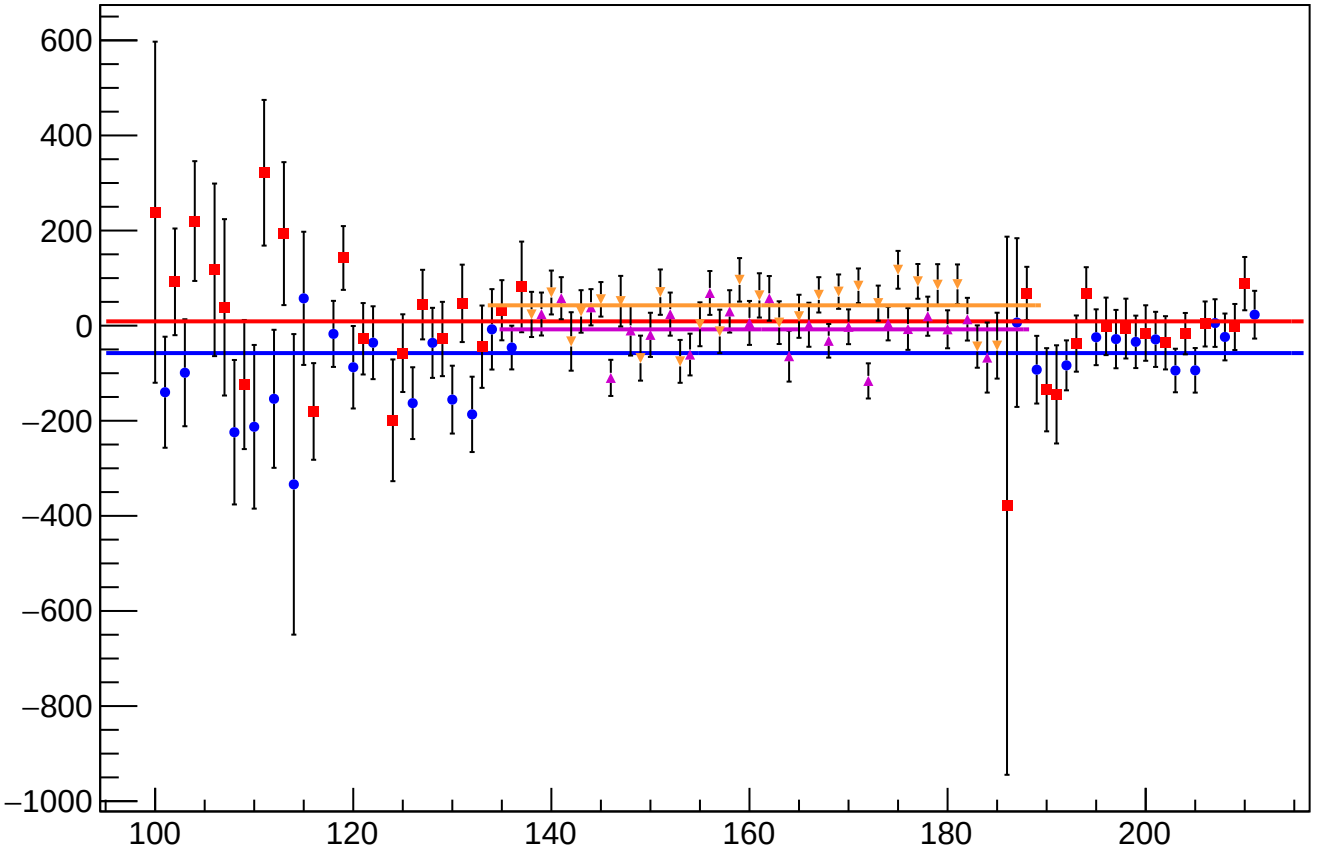
Left In: 126.013+/-0.021 χ^2/NDF:1410655.7/22

+ sign 144.830+/-0.018 χ^2/NDF: 8434844.2/52

All: 145.401+/-0.013 χ^2/NDF: 18087285.6/10

- sign 145.986+/-0.018 χ^2/NDF: 9650456.4/55

cor_asym_sam_37_26_dd_mean vs Slug



Right In: -57.693+/-12.815 χ^2/NDF: 19.5/27

Left Out: 42.767+/-8.698 χ^2/NDF:34.7/24

Right Out: 9.042+/-12.846 χ^2/NDF: 35.0/32

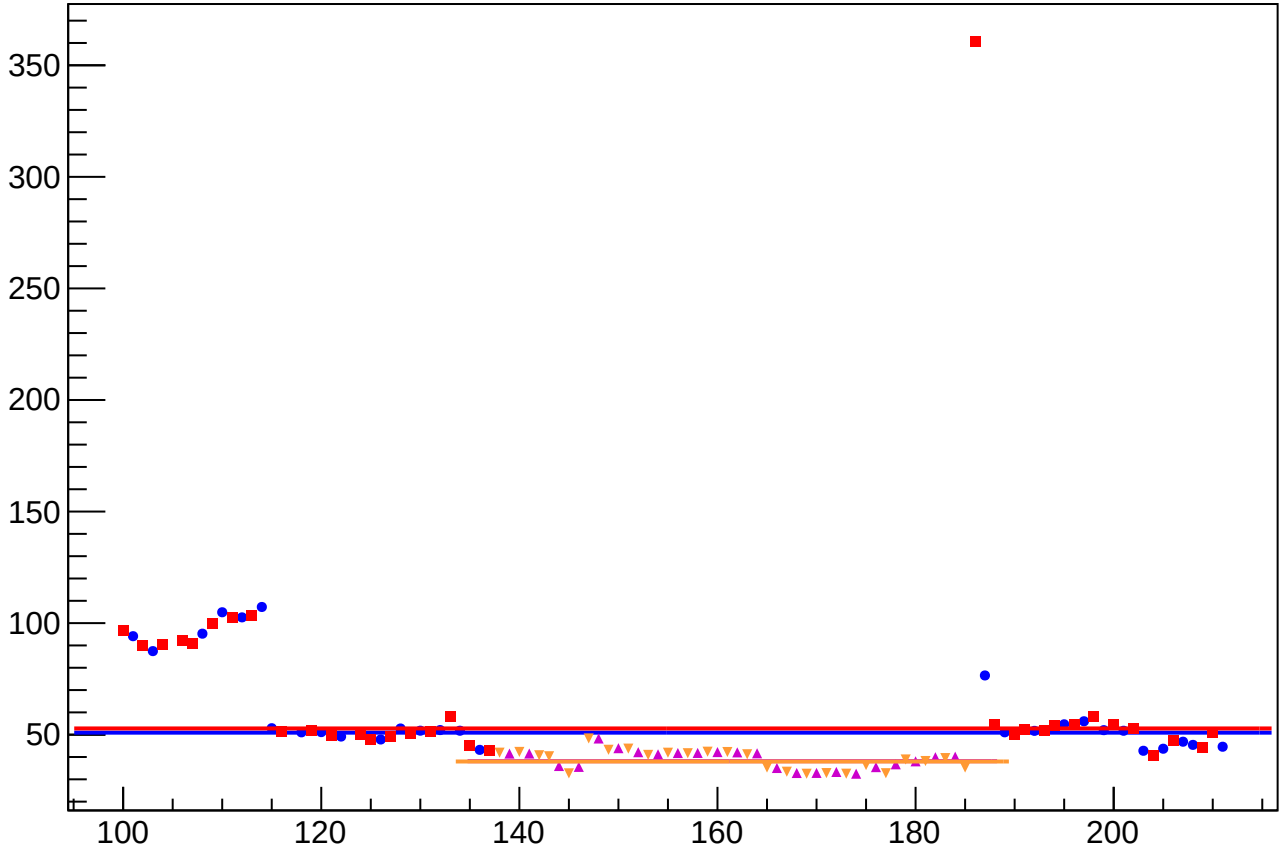
Left In: -7.785+/-8.974 χ^2/NDF:30.6/22

+ sign 11.083+/-7.197 χ^2/NDF: 96.3/52

All: 4.555+/-5.145 χ^2/NDF: 164.8/108

- sign -2.266+/-7.357 χ^2/NDF: 66.8/55

cor_asym_sam_37_26_dd_rms vs Slug



Right In: 50.914+/-0.009 χ^2/NDF: 1477343.0/27

Left Out: 37.990+/-0.006 χ^2/NDF:513605.5/24

Right Out: 52.803+/-0.009 χ^2/NDF: 2229606.0/32

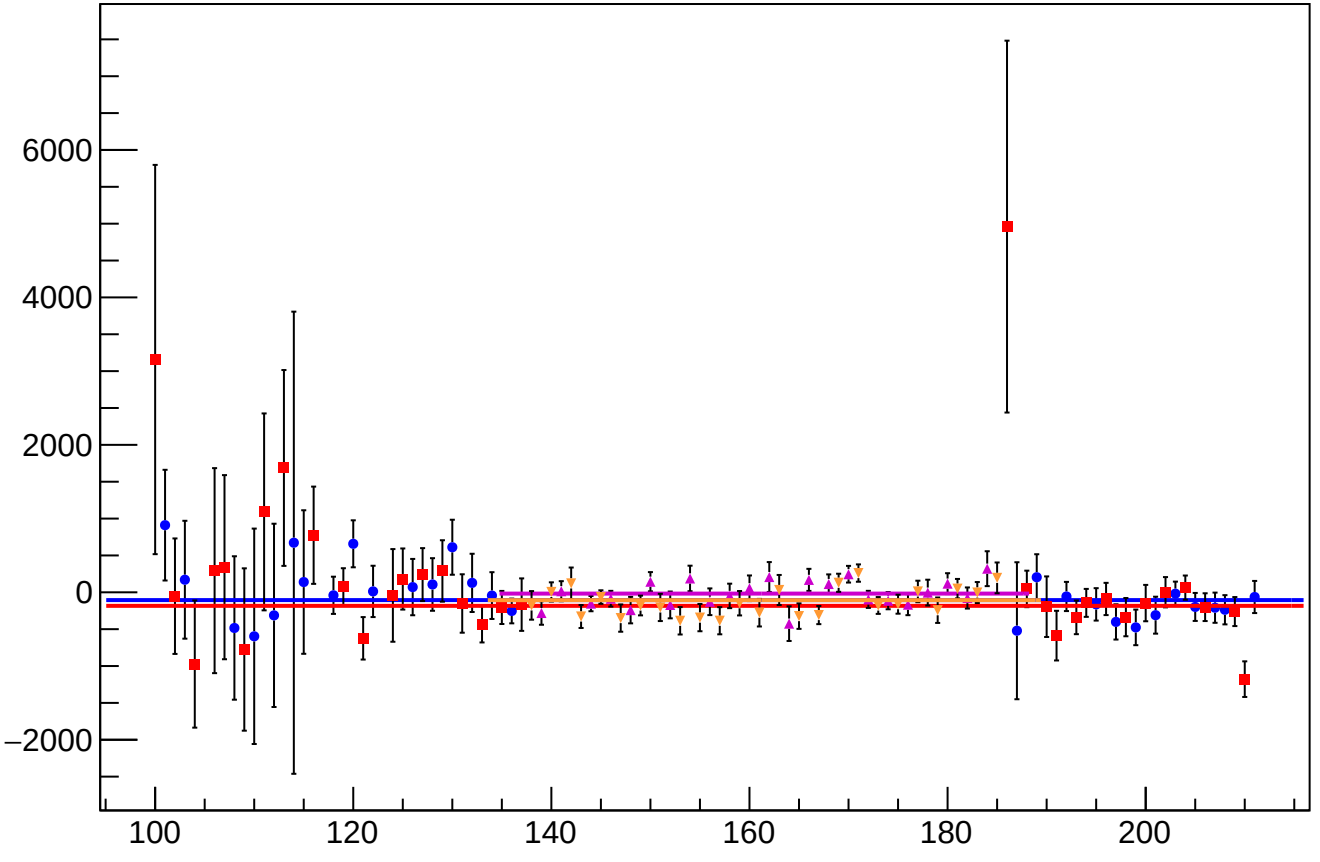
Left In: 38.133+/-0.006 χ^2/NDF:428309.7/22

+ sign 42.066+/-0.005 χ^2/NDF: 3383618.0/52

All: 42.495+/-0.004 χ^2/NDF: 7808880.7/108

- sign 42.944+/-0.005 χ^2/NDF: 4410702.8/55

asym_sam_37_26_dd_cor_correction_mean vs Slug



Right In: -105.735+/-52.852 χ^2/NDF: 20.8/27

Left Out: -106.505+/-29.563 χ^2/NDF:37.6/24

Right Out: -183.517+/-51.899 χ^2/NDF: 43.7/32

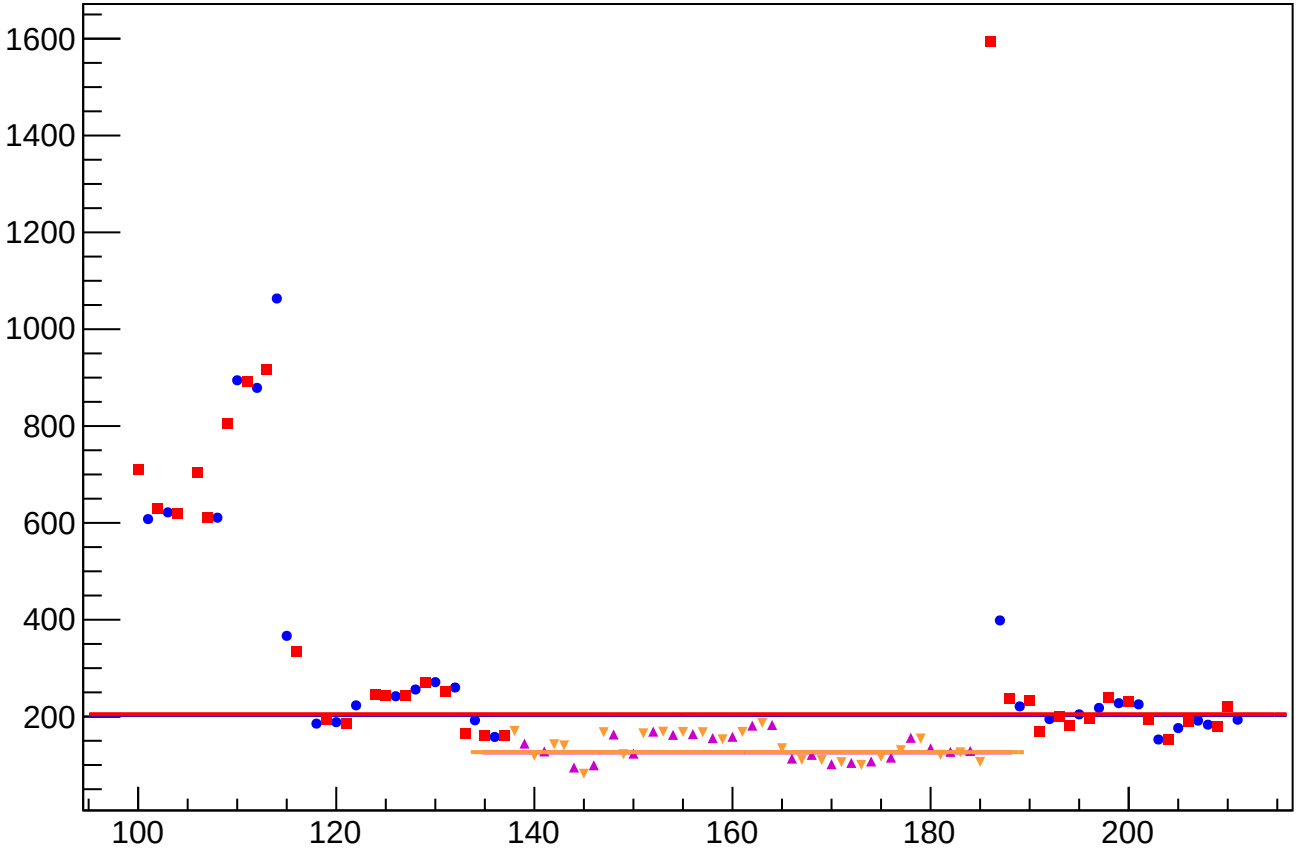
Left In: -17.517+/-30.185 χ^2/NDF:28.2/22

+ sign -106.322+/-25.801 χ^2/NDF: 58.5/52

All: -83.163+/-18.346 χ^2/NDF: 139.7/108

- sign -59.477+/-26.093 χ^2/NDF: 79.6/55

asym_sam_37_26_dd_cor_correction_rms vs Slug



Right In: 203.220+/-0.037 χ^2/NDF: 3471885.5/27

Left Out: 126.561+/-0.021 χ^2/NDF:1758151.9/24

Right Out: 204.872+/-0.037 χ^2/NDF: 4702873.9/32

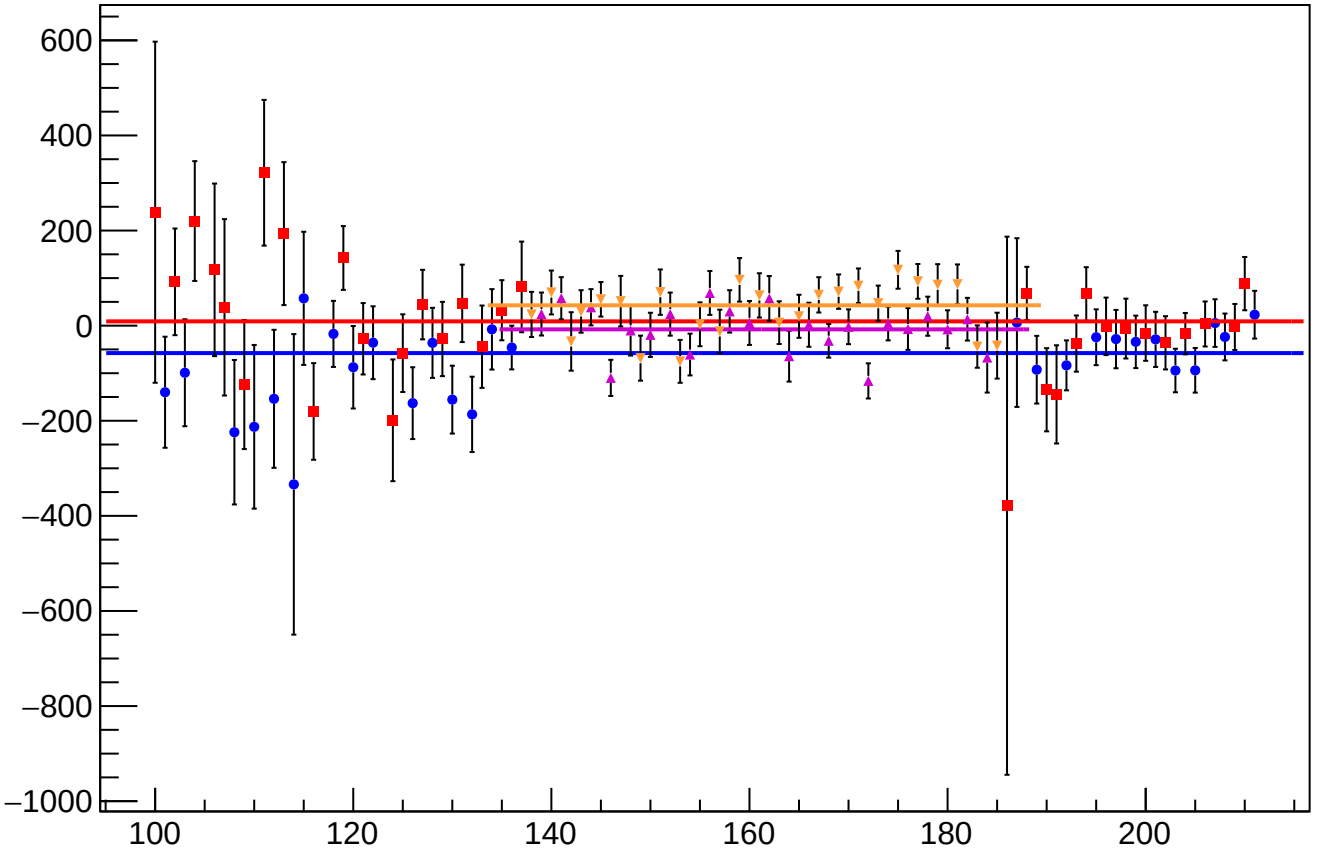
Left In: 126.013+/-0.021 χ^2/NDF:1410664.0/22

+ sign 144.830+/-0.018 χ^2/NDF: 8434839.5/52

All: 145.382+/-0.013 χ^2/NDF: 18000561.9/10

- sign 145.946+/-0.018 χ^2/NDF: 9563871.1/55

eigen_cor_asym_sam_37_26_dd_mean vs Slug



Right In: -57.693+/-12.815 χ^2/NDF: 19.5/27

Left Out: 42.767+/-8.698 χ^2/NDF:34.7/24

Right Out: 9.042+/-12.846 χ^2/NDF: 35.0/32

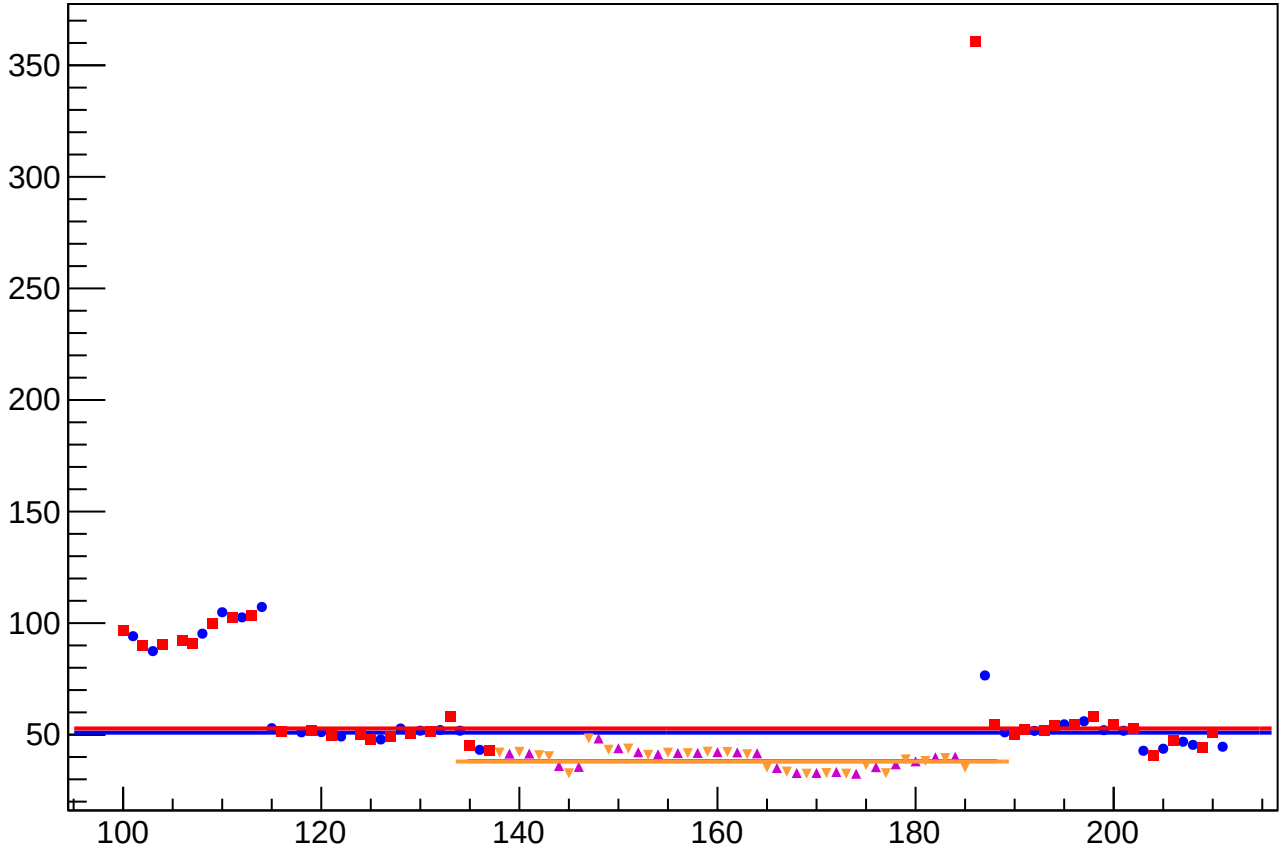
Left In: -7.785+/-8.974 χ^2/NDF:30.6/22

+ sign 11.083+/-7.197 χ^2/NDF: 96.3/52

All: 4.555+/-5.145 χ^2/NDF: 164.8/108

- sign -2.266+/-7.357 χ^2/NDF: 66.8/55

eigen_cor_asym_sam_37_26_dd_rms vs Slug



Right In: 50.914+/-0.009 χ^2/NDF: 1477343.0/27

Left Out: 37.990+/-0.006 χ^2/NDF:513605.5/24

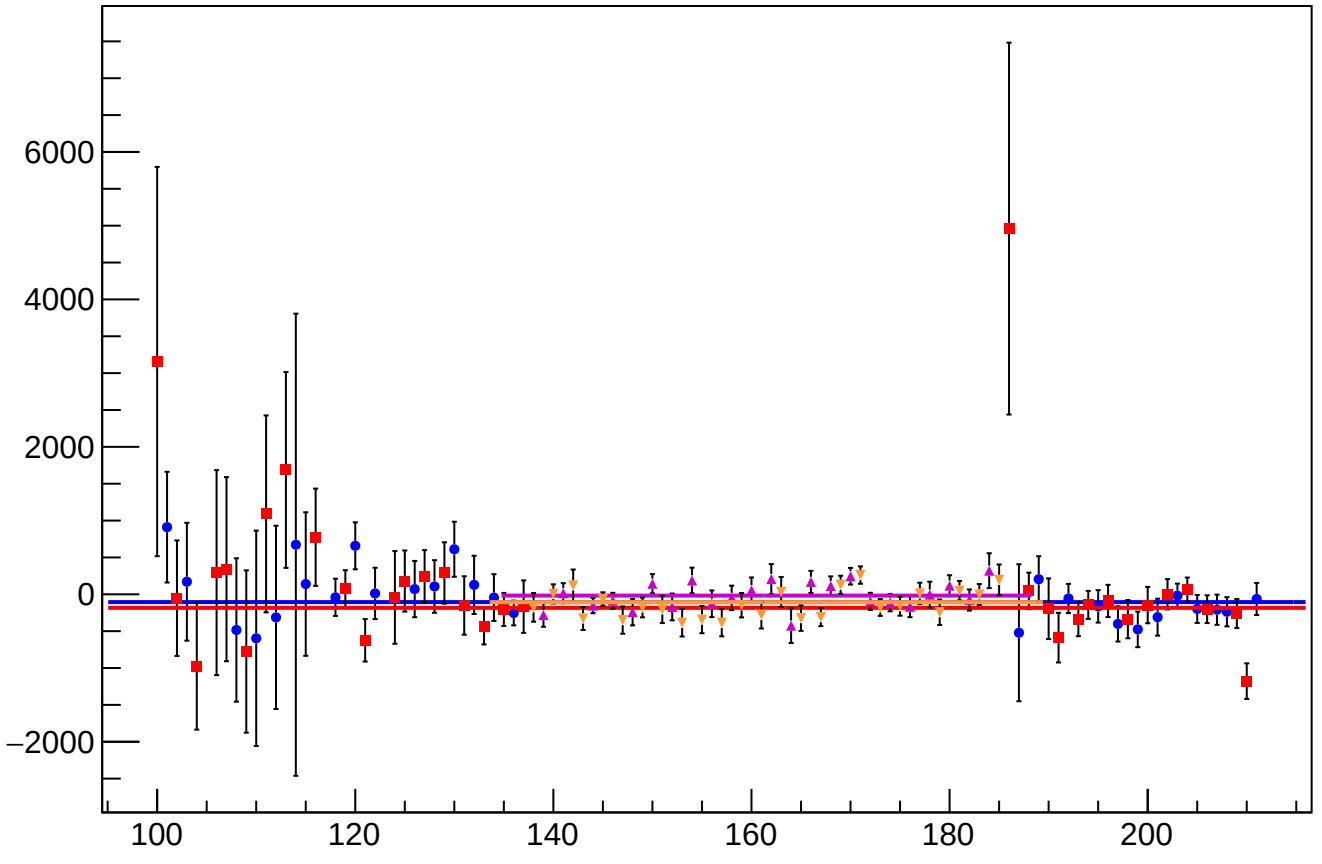
Right Out: 52.803+/-0.009 χ^2/NDF: 2229606.0/32

Left In: 38.133+/-0.006 χ^2/NDF:428309.7/22

+ sign 42.066+/-0.005 χ^2/NDF: 3383618.0/52

All: 42.495+/-0.004 χ^2/NDF: 7808880.7/108

- sign 42.944+/-0.005 χ^2/NDF: 4410702.8/55



Right In: -105.735+/-52.852 χ^2/NDF: 20.8/27

Left Out: -106.505+/-29.563 χ^2/NDF:37.6/24

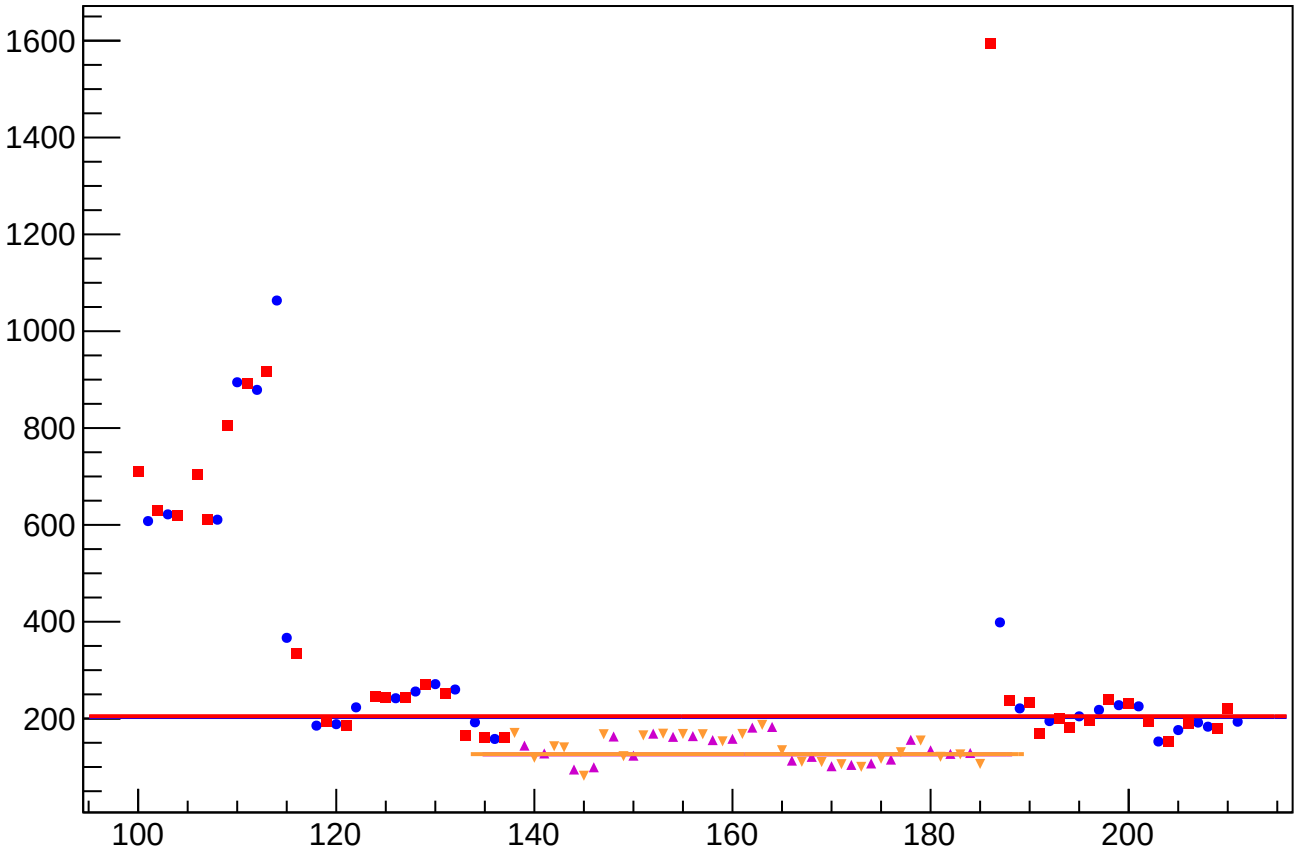
Right Out: -183.517+/-51.899 χ^2/NDF: 43.7/32

Left In: -17.517+/-30.185 χ^2/NDF:28.2/22

+ sign -106.322+/-25.801 χ^2/NDF: 58.5/52

All: -83.163+/-18.346 χ^2/NDF: 139.7/108

- sign -59.477+/-26.093 χ^2/NDF: 79.6/55



Right In: 203.220+/-0.037 χ^2/NDF: 3471885.5/27

Left Out: 126.561+/-0.021 χ^2/NDF:1758151.9/24

Right Out: 204.872+/-0.037 χ^2/NDF: 4702873.9/32

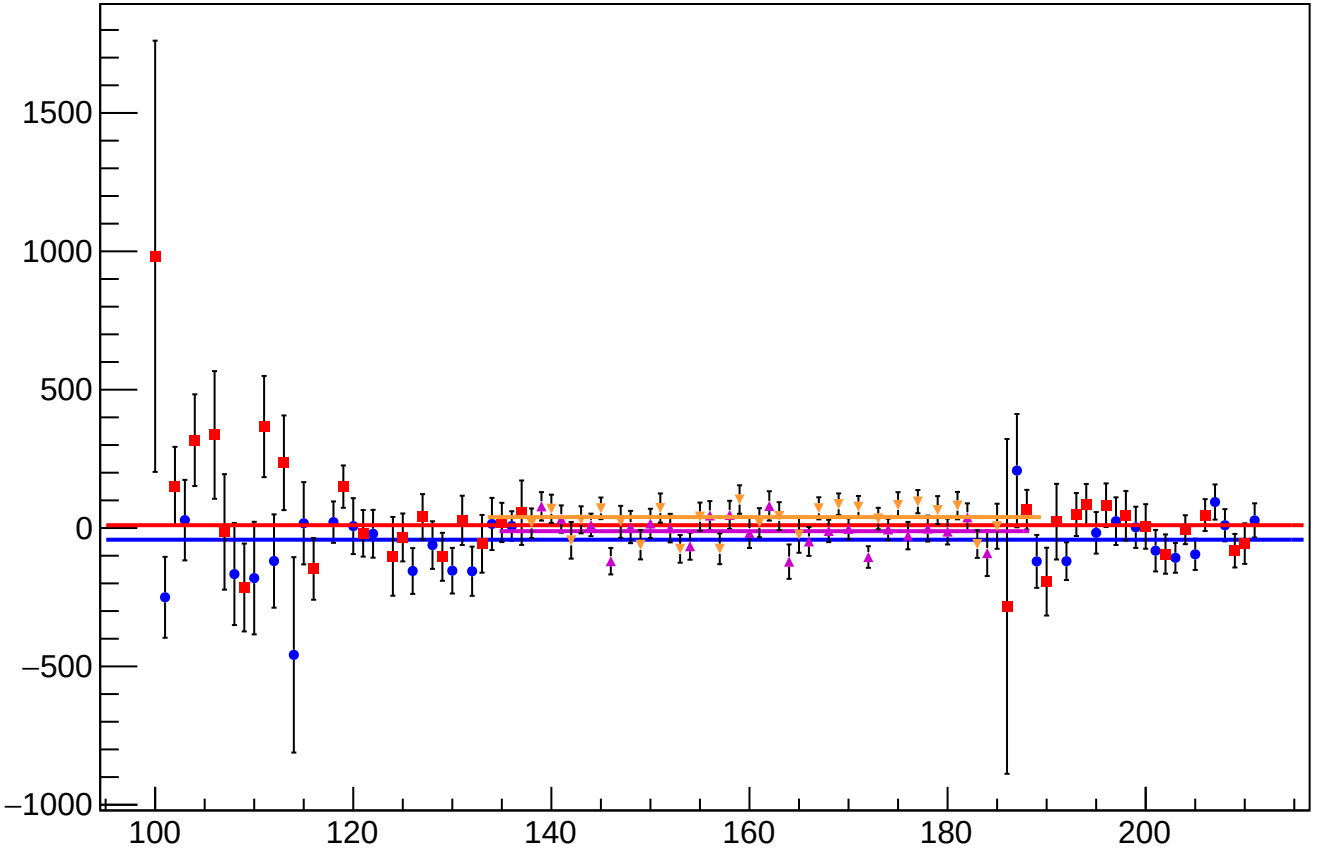
Left In: 126.013+/-0.021 χ^2/NDF:1410664.0/22

+ sign 144.830+/-0.018 χ^2/NDF: 8434839.5/52

All: 145.382+/-0.013 χ^2/NDF: 18000561.9/10

- sign 145.946+/-0.018 χ^2/NDF: 9563871.1/55

dit_asym_sam_37_26_dd_mean vs Slug



Right In: -42.153+/-15.529 χ^2/NDF: 26.4/27

Left Out: 39.563+/-9.745 χ^2/NDF:29.6/24

Right Out: 10.299+/-15.797 χ^2/NDF: 36.0/32

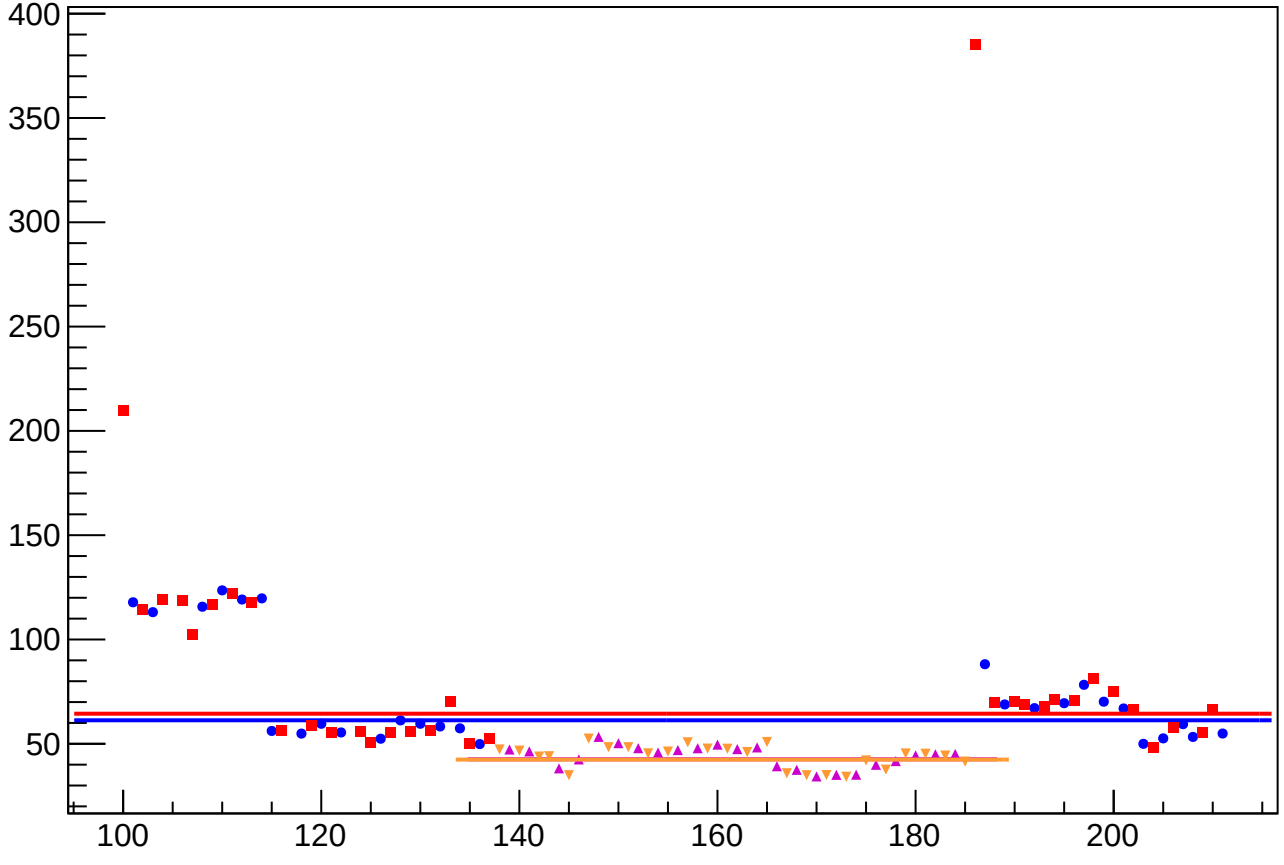
Left In: -11.306+/-10.077 χ^2/NDF:27.9/22

+ sign 16.475+/-8.254 χ^2/NDF: 75.9/52

All: 6.019+/-5.920 χ^2/NDF: 144.5/108

- sign -5.057+/-8.496 χ^2/NDF: 65.3/55

dit_asym_sam_37_26_dd_rms vs Slug



Right In: 61.272+/-0.011 χ^2/NDF: 1751592.7/27

Left Out: 42.426+/-0.007 χ^2/NDF:698766.0/24

Right Out: 64.429+/-0.011 χ^2/NDF: 2575448.9/32

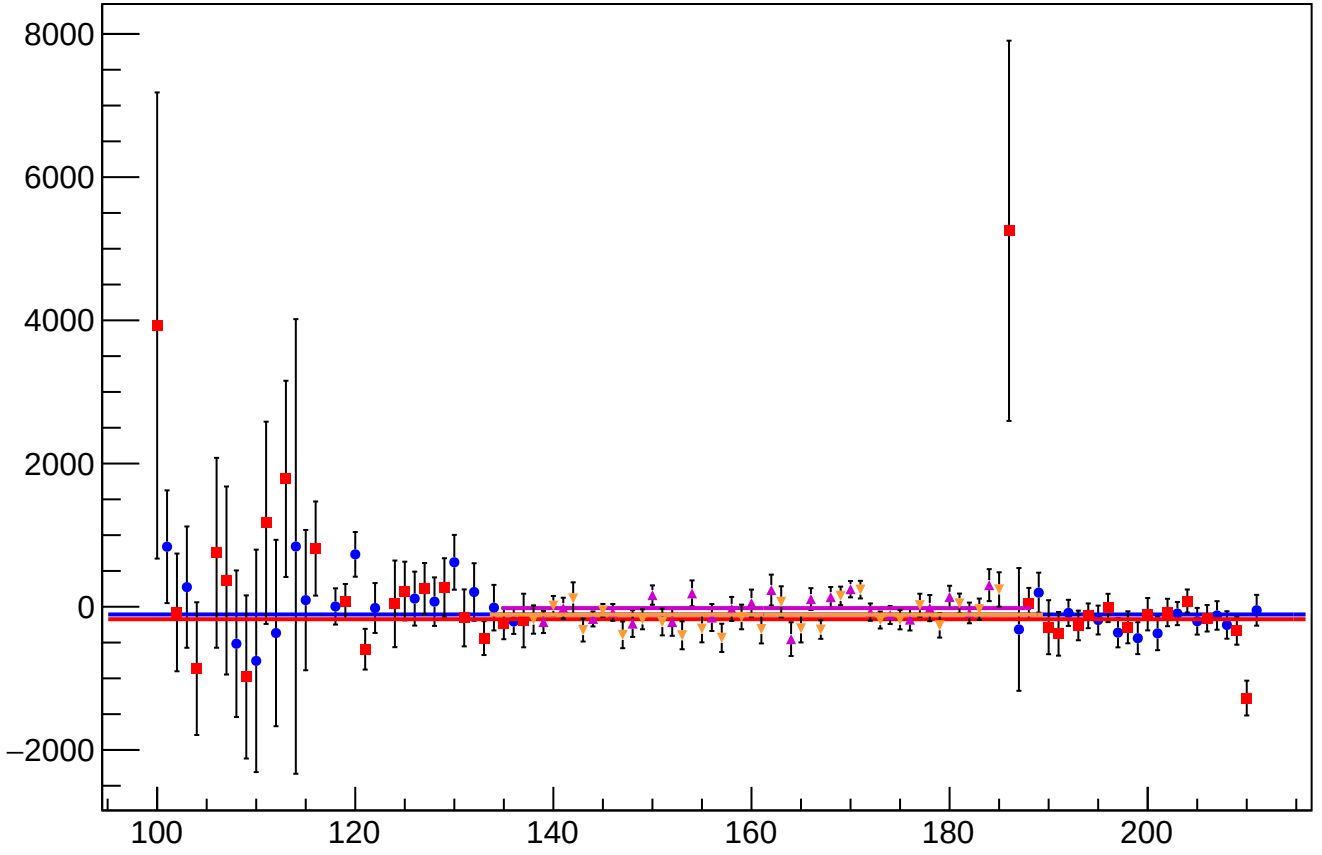
Left In: 42.579+/-0.007 χ^2/NDF:589897.0/22

+ sign 47.751+/-0.006 χ^2/NDF: 4563585.8/52

All: 48.308+/-0.004 χ^2/NDF: 10467202.3/108

- sign 48.898+/-0.006 χ^2/NDF: 5884845.2/55

asym_sam_37_26_dd_dit_correction_mean vs Slug



Right In: -107.721+/-51.063 χ^2/NDF: 22.3/27

Left Out: -109.869+/-30.759 χ^2/NDF:36.3/24

Right Out: -173.766+/-49.326 χ^2/NDF: 47.5/32

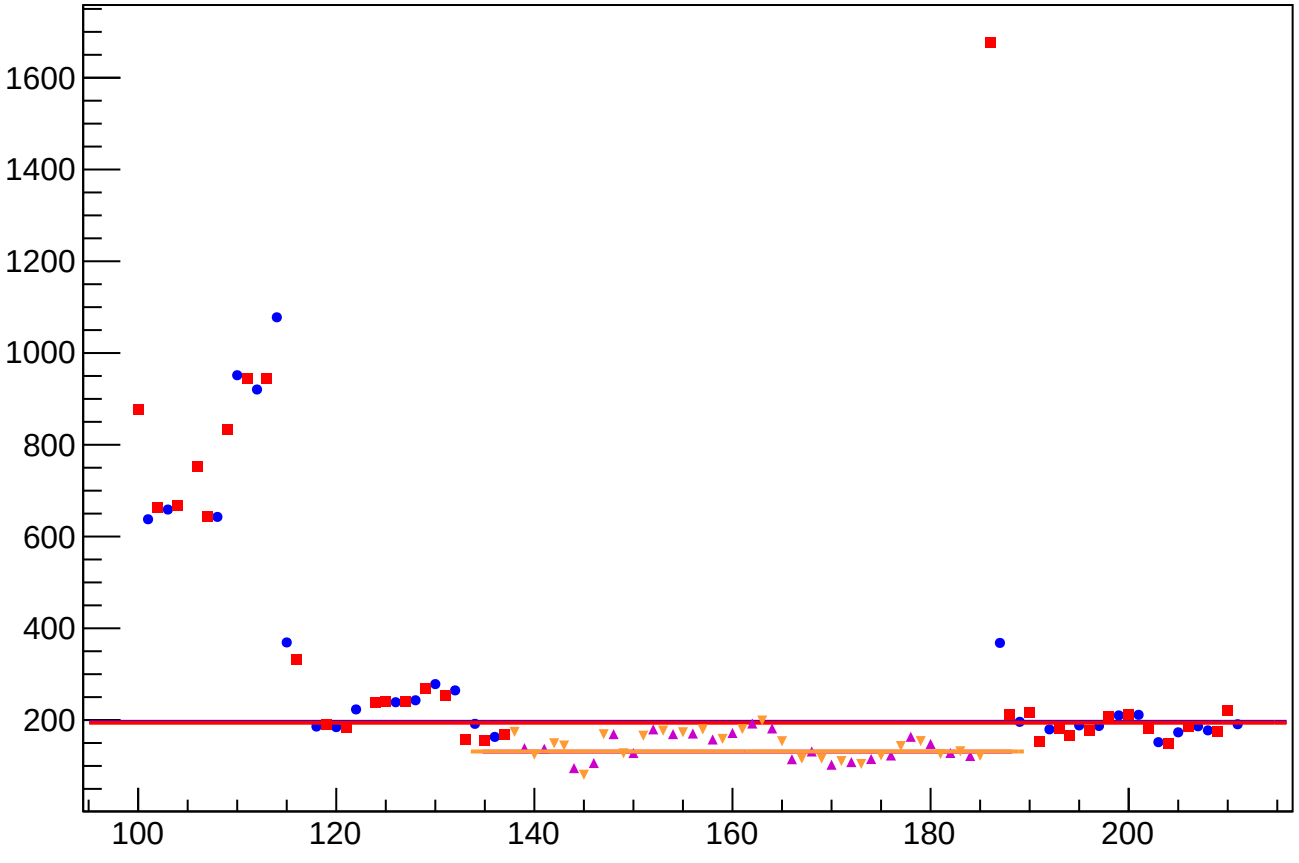
Left In: -18.838+/-31.477 χ^2/NDF:27.2/22

+ sign -109.298+/-26.348 χ^2/NDF: 58.5/52

All: -86.645+/-18.696 χ^2/NDF: 141.7/108

- sign -63.671+/-26.534 χ^2/NDF: 81.7/55

asym_sam_37_26_dd_dit_correction_rms vs Slug



Right In: 196.111+/-0.036 χ^2/NDF: 3544968.0/27

Left Out: 131.515+/-0.022 χ^2/NDF:1902958.8/24

Right Out: 194.235+/-0.035 χ^2/NDF: 5009527.1/32

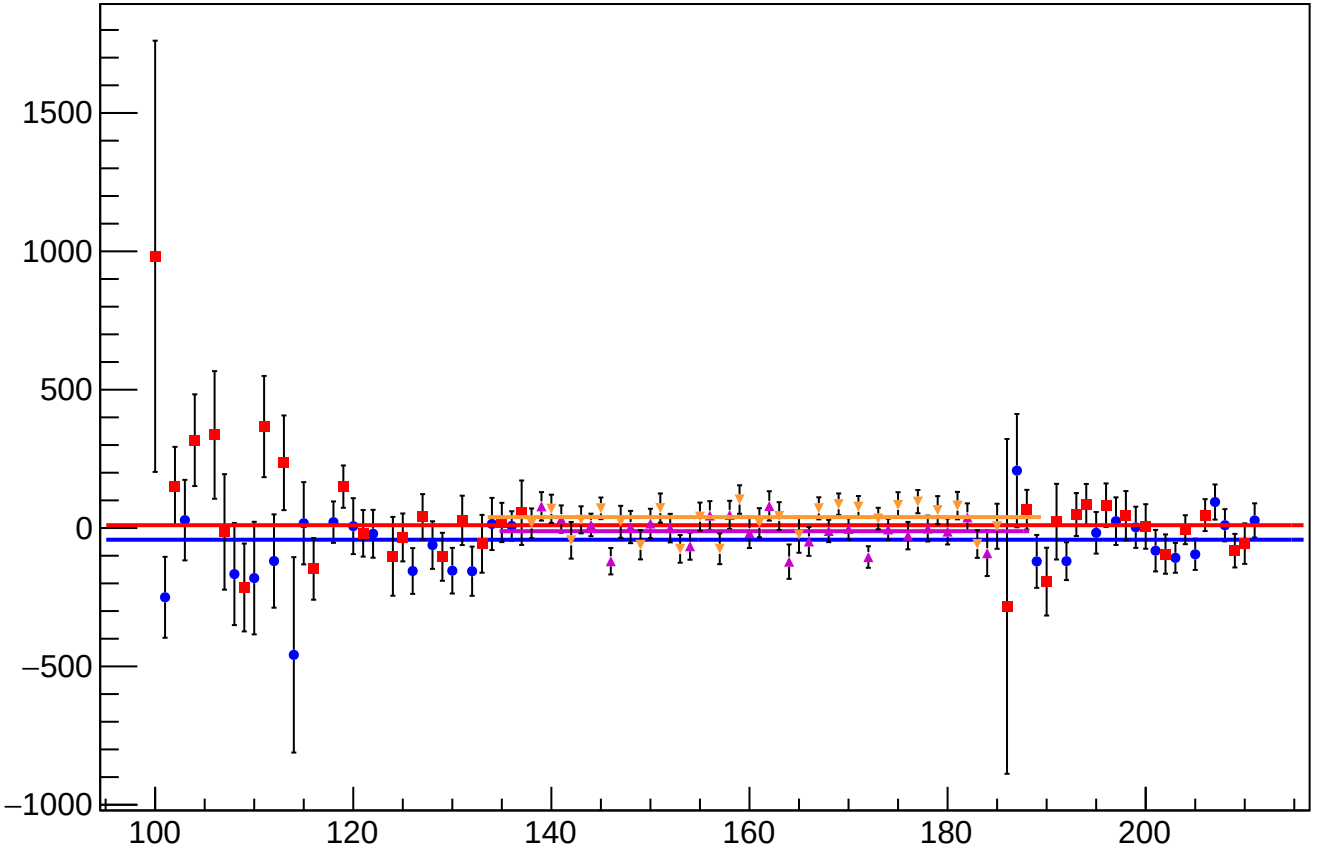
Left In: 131.074+/-0.022 χ^2/NDF:1467806.6/22

+ sign 148.713+/-0.019 χ^2/NDF: 7796326.9/52

All: 149.030+/-0.013 χ^2/NDF: 16604581.5/10

- sign 149.351+/-0.019 χ^2/NDF: 8807671.6/55

eigen_dit_asym_sam_37_26_dd_mean vs Slug



Right In: -42.153+/-15.529 χ^2/NDF: 26.4/27

Left Out: 39.564+/-9.745 χ^2/NDF:29.6/24

Right Out: 10.300+/-15.797 χ^2/NDF: 36.0/32

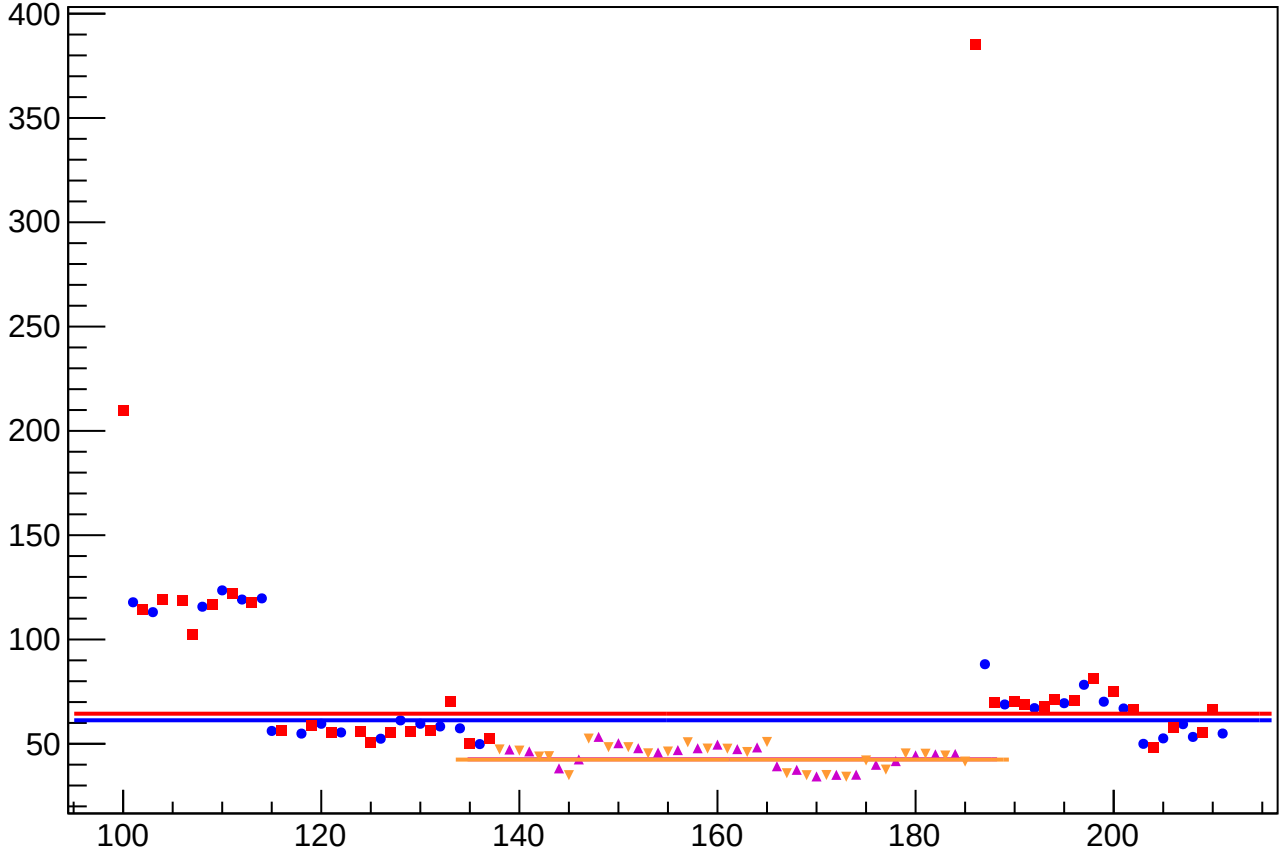
Left In: -11.306+/-10.077 χ^2/NDF:27.9/22

+ sign 16.475+/-8.254 χ^2/NDF: 75.9/52

All: 6.019+/-5.920 χ^2/NDF: 144.5/108

- sign -5.057+/-8.496 χ^2/NDF: 65.3/55

eigen_dit_asym_sam_37_26_dd_rms vs Slug



Right In: 61.272+/-0.011 χ^2/NDF: 1751584.0/27

Left Out: 42.426+/-0.007 χ^2/NDF:698784.4/24

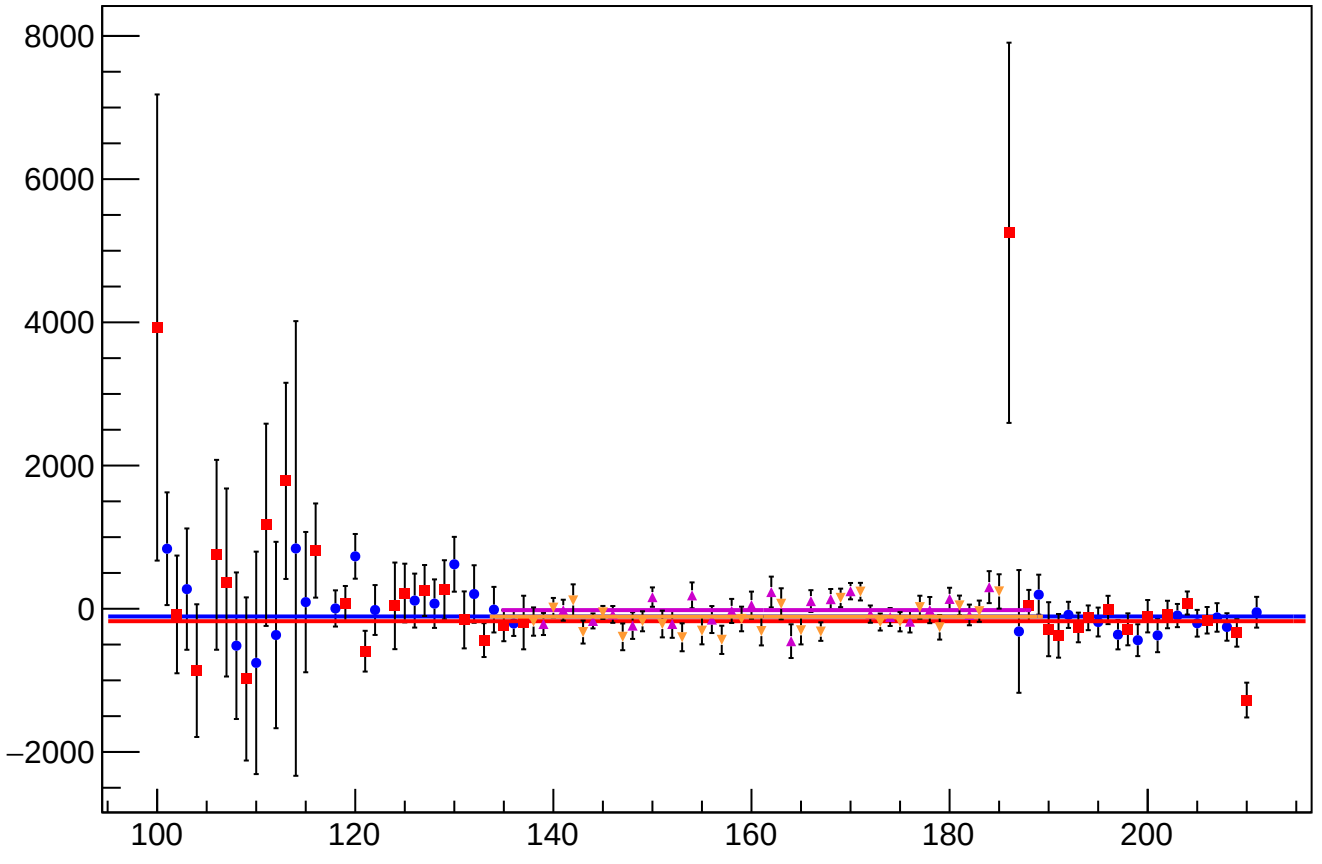
Right Out: 64.429+/-0.011 χ^2/NDF: 2575424.2/32

Left In: 42.579+/-0.007 χ^2/NDF:589901.9/22

+ sign 47.751+/-0.006 χ^2/NDF: 4563595.6/52

All: 48.308+/-0.004 χ^2/NDF: 10467230.8/108

- sign 48.899+/-0.006 χ^2/NDF: 5884860.0/55



Right In: -107.722+/-51.063 χ^2/NDF: 22.3/27

Left Out: -109.869+/-30.759 χ^2/NDF:36.3/24

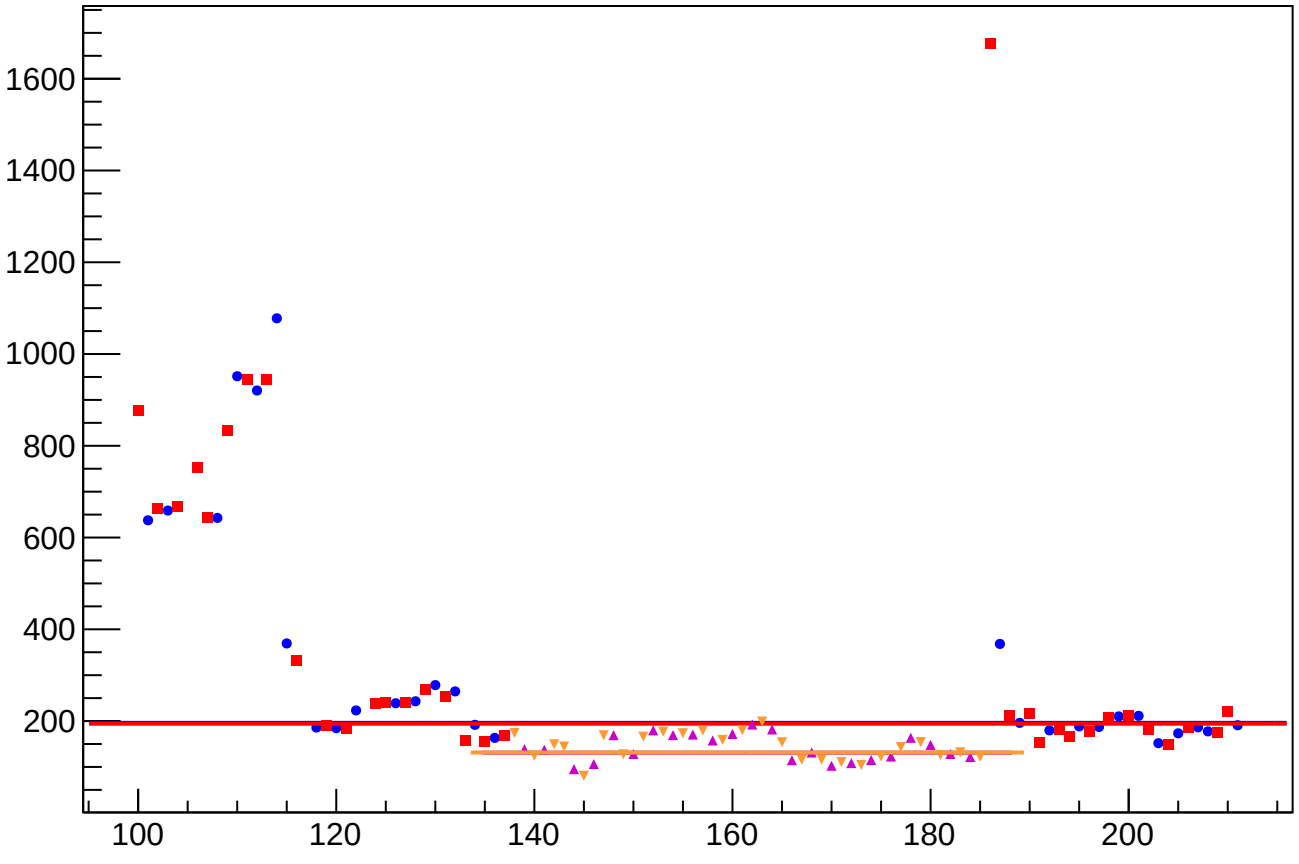
Right Out: -173.765+/-49.325 χ^2/NDF: 47.5/32

Left In: -18.838+/-31.477 χ^2/NDF:27.2/22

+ sign -109.297+/-26.348 χ^2/NDF: 58.5/52

All: -86.645+/-18.696 χ^2/NDF: 141.7/108

- sign -63.671+/-26.534 χ^2/NDF: 81.7/55



Right In: 196.110+/-0.036 χ^2/NDF: 3544962.0/27

Left Out: 131.515+/-0.022 χ^2/NDF:1902951.8/24

Right Out: 194.234+/-0.035 χ^2/NDF: 5009530.0/32

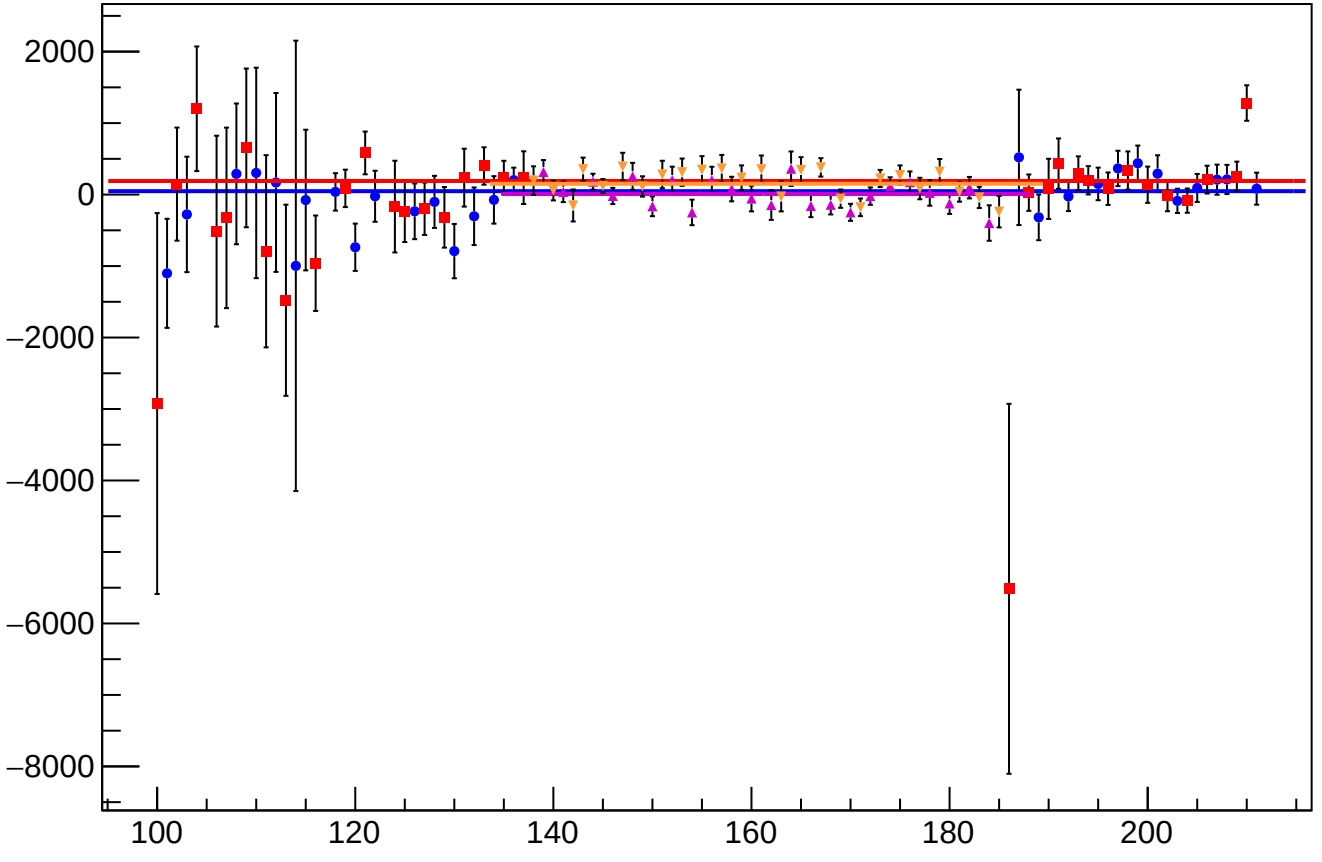
Left In: 131.074+/-0.022 χ^2/NDF:1467810.7/22

+ sign 148.713+/-0.019 χ^2/NDF: 7796263.0/52

All: 149.030+/-0.013 χ^2/NDF: 16604469.3/10

- sign 149.351+/-0.019 χ^2/NDF: 8807623.5/55

asym_sam_37_26_dd_mean vs Slug



Right In: 47.681+/-54.550 χ^2/NDF: 24.4/27

Left Out: 151.108+/-30.952 χ^2/NDF:33.1/24

Right Out: 189.960+/-53.675 χ^2/NDF: 44.5/32

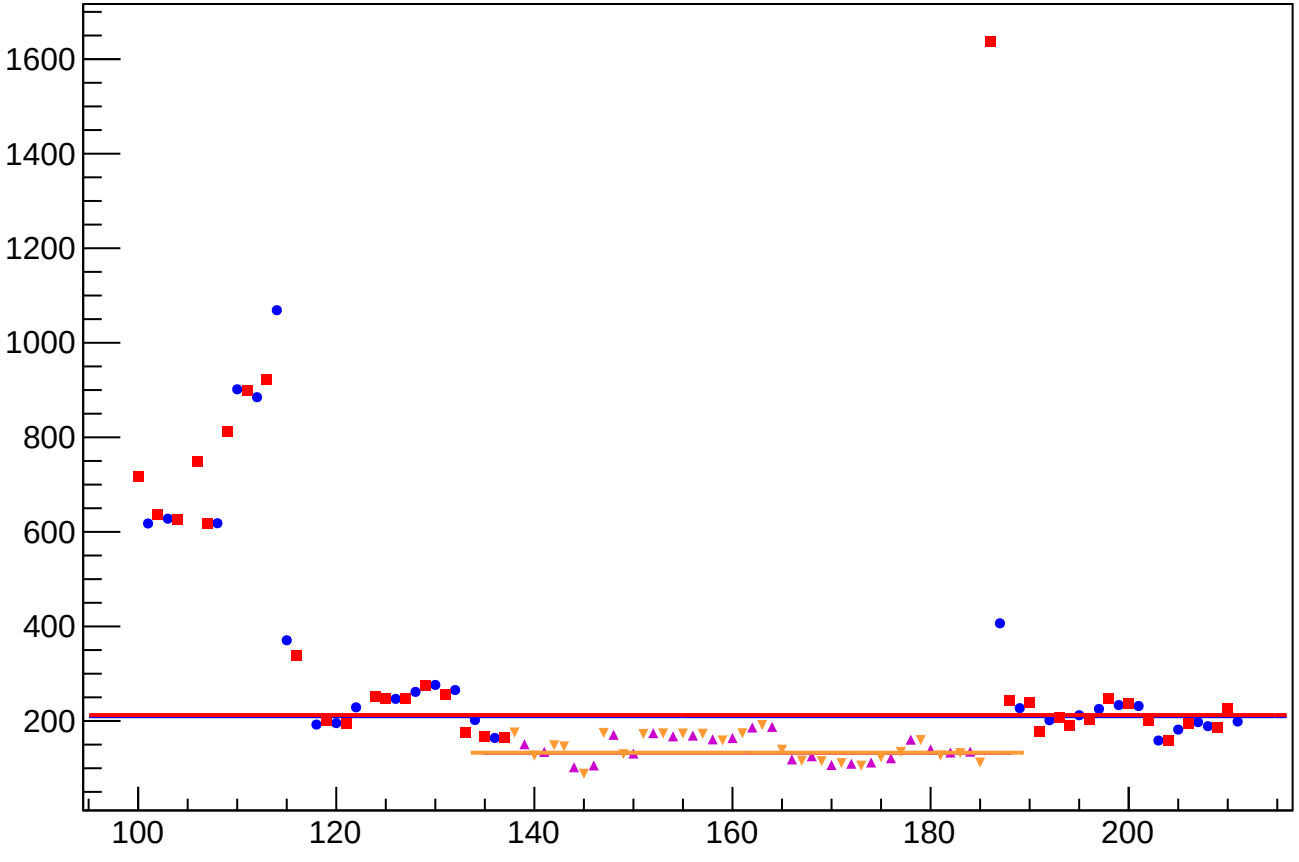
Left In: 7.941+/-31.621 χ^2/NDF:29.5/22

+ sign 125.920+/-26.920 χ^2/NDF: 60.2/52

All: 90.805+/-19.149 χ^2/NDF: 146.2/108

- sign 54.837+/-27.245 χ^2/NDF: 82.5/55

asym_sam_37_26_dd_rms vs Slug



Right In: 210.118+/-0.039 χ^2/NDF: 3383445.2/27

Left Out: 132.876+/-0.022 χ^2/NDF:1592310.5/24

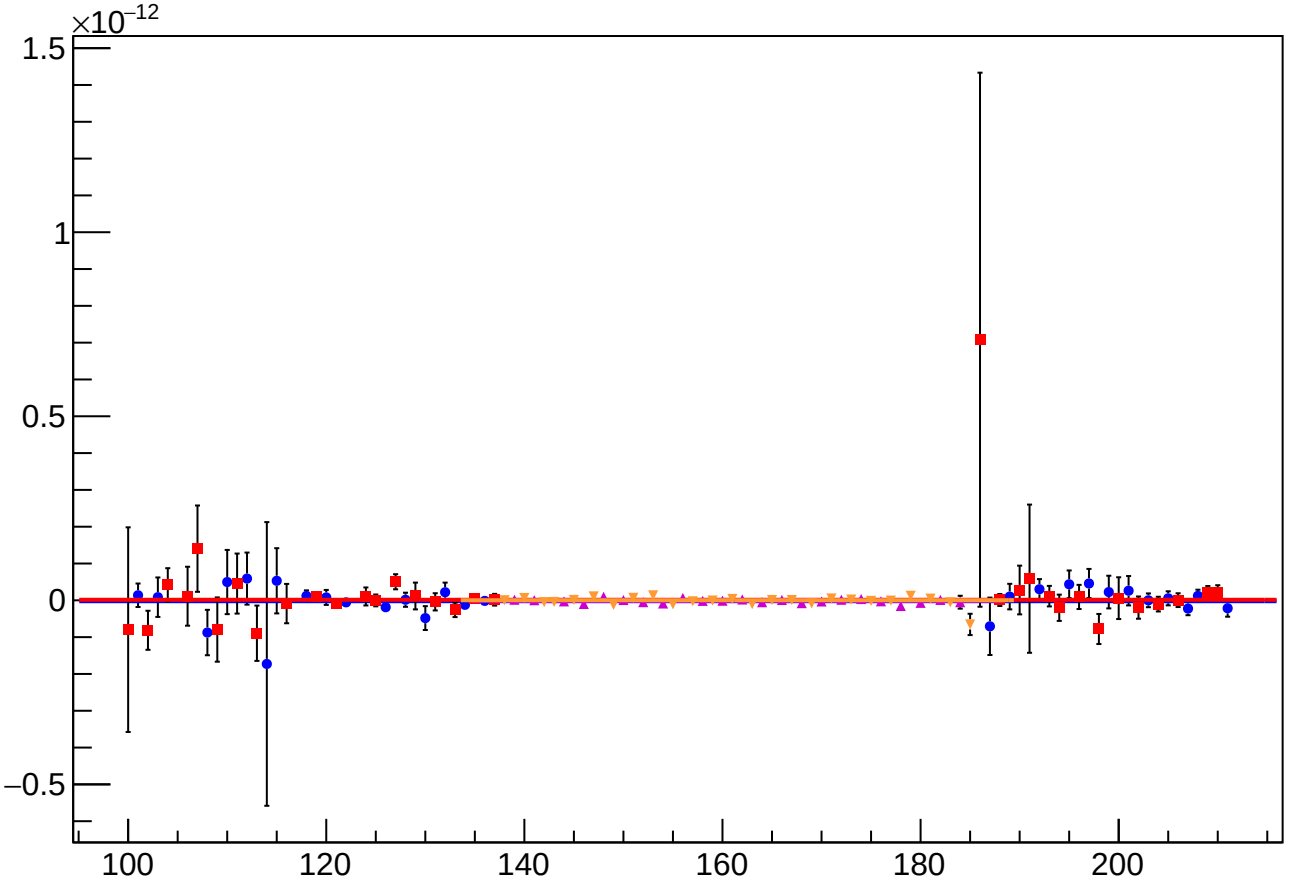
Right Out: 212.524+/-0.038 χ^2/NDF: 4653330.8/32

Left In: 132.342+/-0.022 χ^2/NDF:1277761.6/22

+ sign 151.687+/-0.019 χ^2/NDF: 8009177.1/52

All: 152.336+/-0.014 χ^2/NDF: 17255851.1/10

- sign 153.000+/-0.019 χ^2/NDF: 9244322.7/55



Right In: -0.000+/-0.000 χ^2/NDF: 20.6/27

Left Out: 0.000+/-0.000 χ^2/NDF:32.2/24

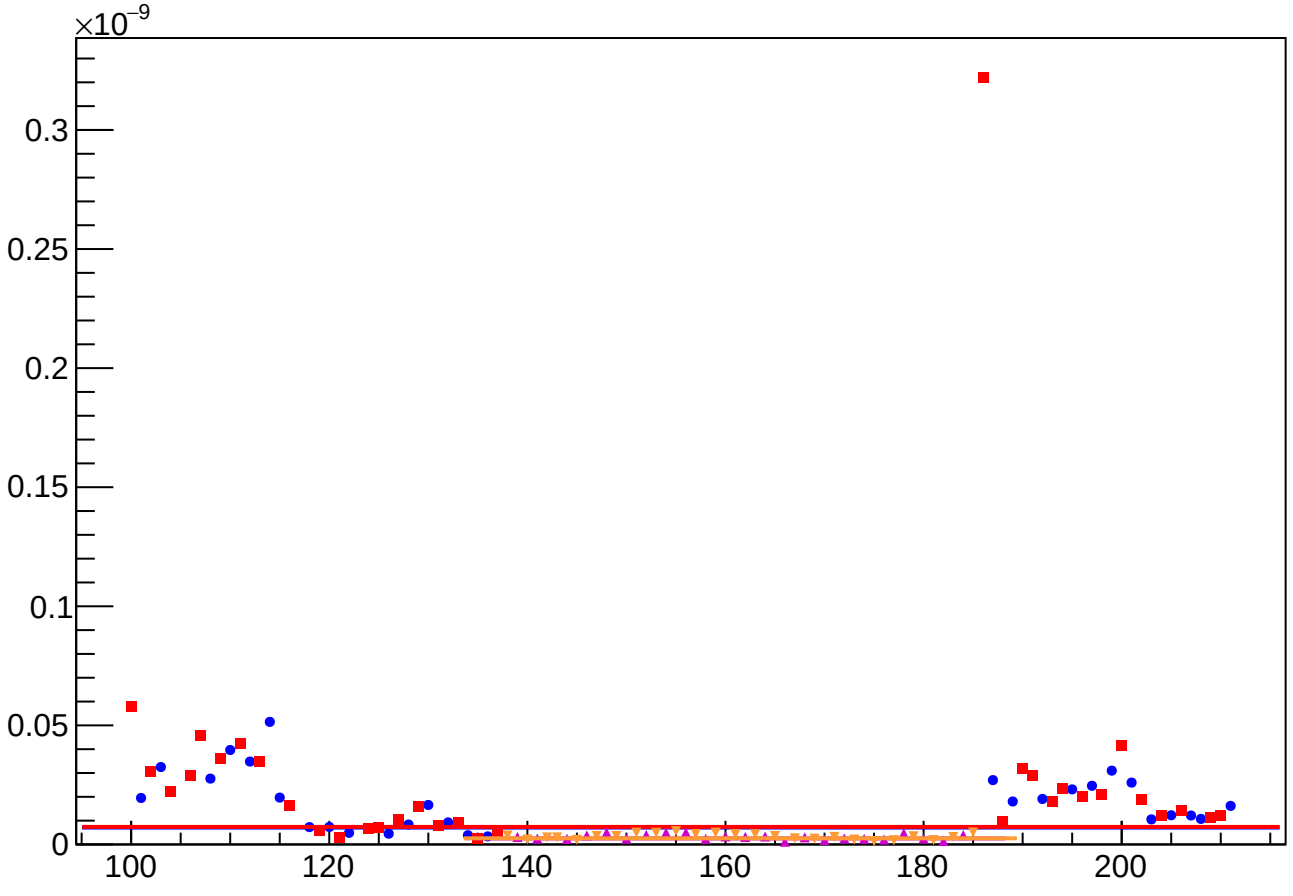
Right Out: 0.000+/-0.000 χ^2/NDF: 27.2/32

Left In: -0.000+/-0.000 χ^2/NDF:14.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 53.4/52

All: -0.000+/-0.000 χ^2/NDF: 96.7/108

- sign -0.000+/-0.000 χ^2/NDF: 42.8/55



Right In: 0.000+/-0.000 χ^2/NDF: 6451182.2/27

Left Out: 0.000+/-0.000 χ^2/NDF:2174042.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7503568.8/32

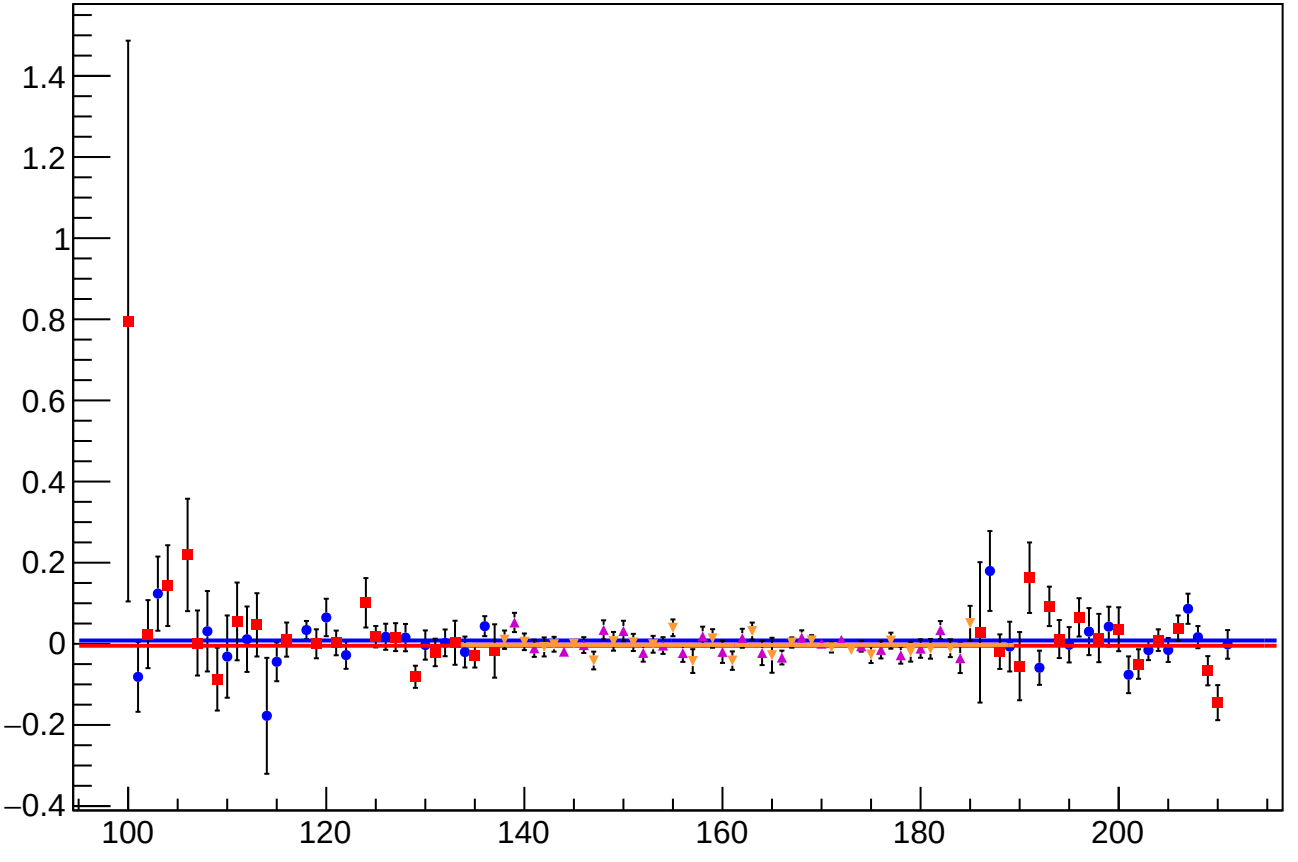
Left In: 0.000+/-0.000 χ^2/NDF:1530752.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 12100078.2/52

All: 0.000+/-0.000 χ^2/NDF: 24752504.2/108

- sign 0.000+/-0.000 χ^2/NDF: 12651090.1/55

asym_sam_37_26_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.008+/-0.007 χ^2/NDF: 28.6/27

Left Out: -0.003+/-0.004 χ^2/NDF:22.6/24

Right Out: -0.005+/-0.008 χ^2/NDF: 49.9/32

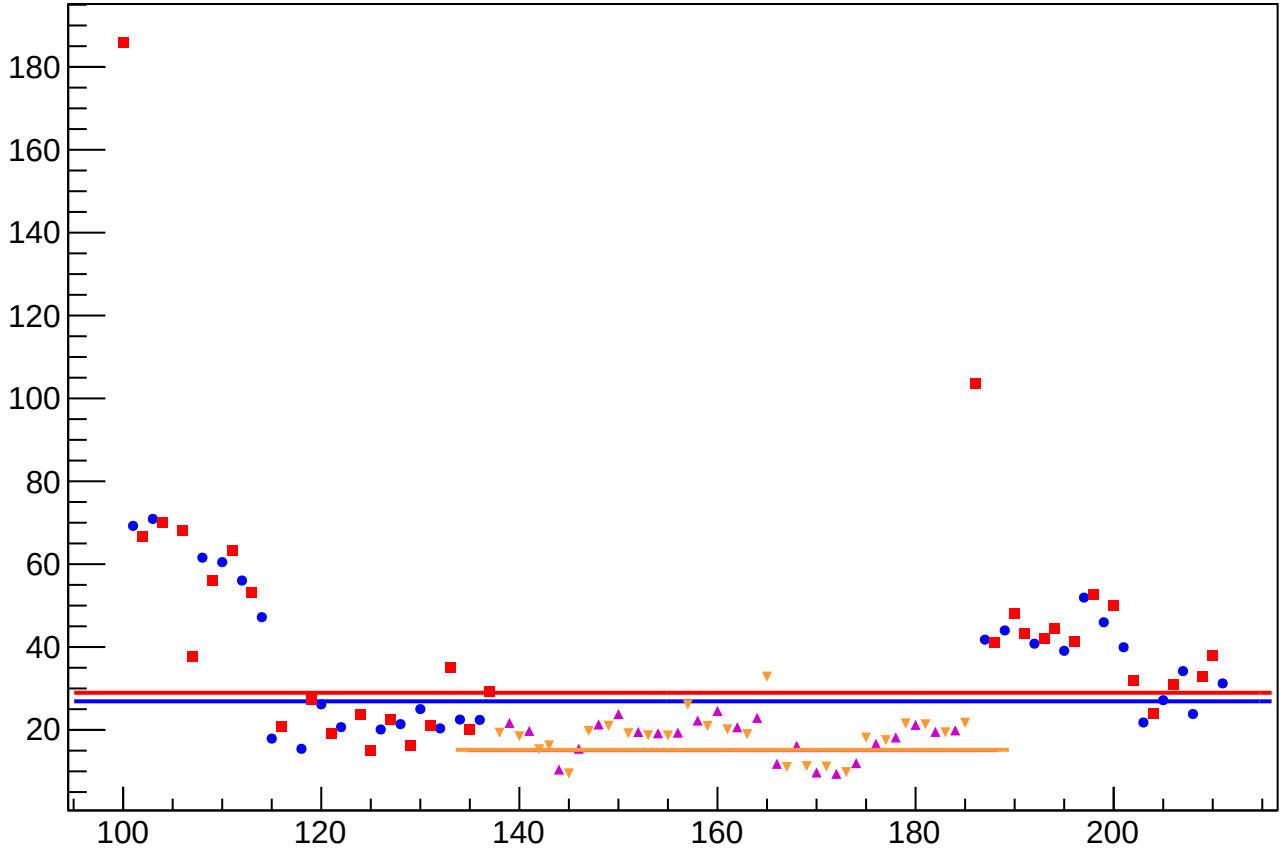
Left In: -0.002+/-0.004 χ^2/NDF:26.9/22

+ sign -0.001+/-0.003 χ^2/NDF: 53.0/52

All: -0.002+/-0.002 χ^2/NDF: 130.2/108

- sign -0.003+/-0.003 χ^2/NDF: 76.9/55

asym_sam_37_26_dd_dit_vs_cor_diff_rms vs Slug



Right In: 26.899+/-0.005 χ^2/NDF: 4331937.2/27

Left Out: 15.202+/-0.003 χ^2/NDF:3441921.2/24

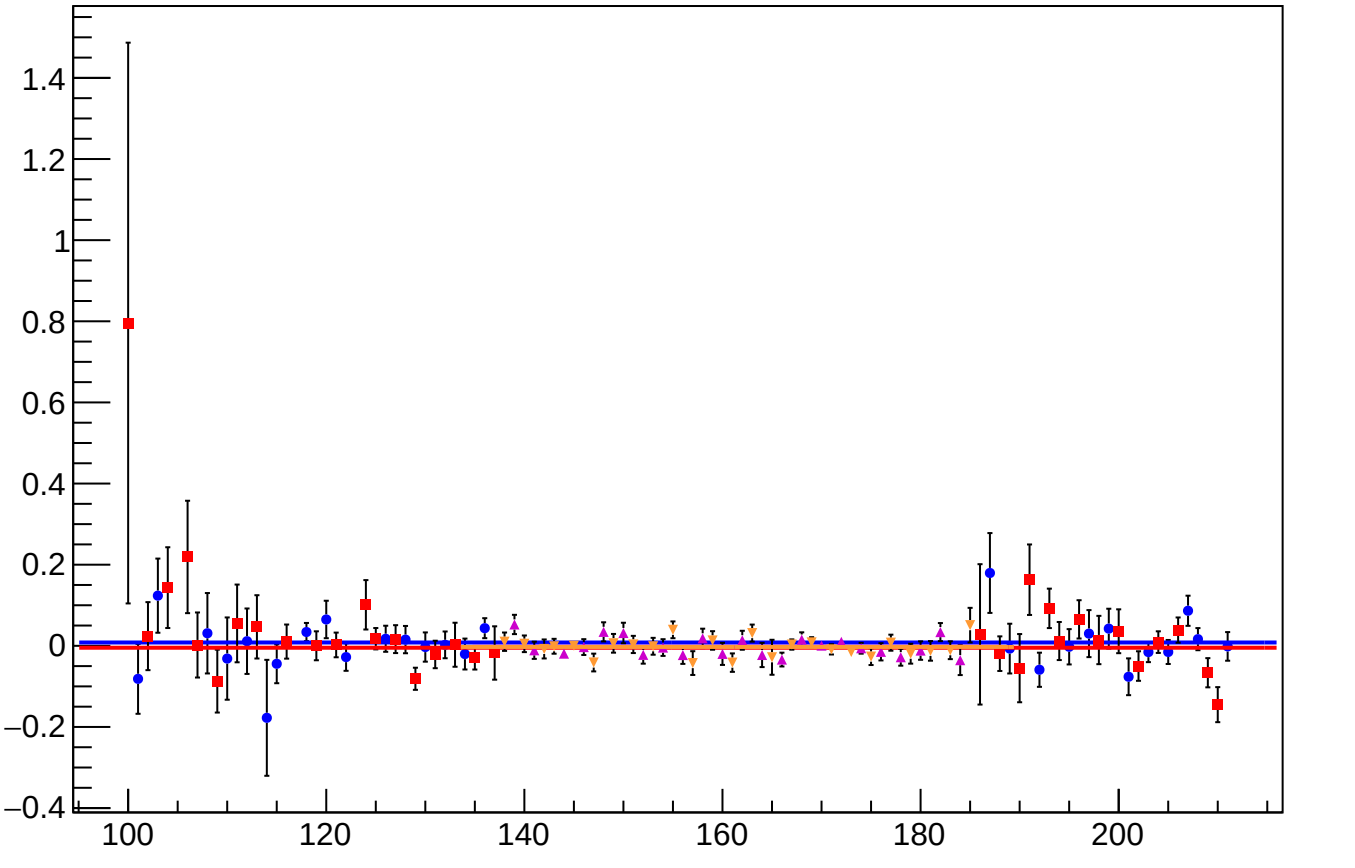
Right Out: 28.969+/-0.005 χ^2/NDF: 5434636.7/32

Left In: 15.116+/-0.003 χ^2/NDF:3402288.3/22

+ sign 17.582+/-0.002 χ^2/NDF: 11831453.1/52

All: 17.735+/-0.002 χ^2/NDF: 25945825.2/108

- sign 17.899+/-0.002 χ^2/NDF: 14105503.9/55



Right In: 0.008+/-0.007 χ^2/NDF: 28.6/27

Left Out: -0.003+/-0.004 χ^2/NDF:22.6/24

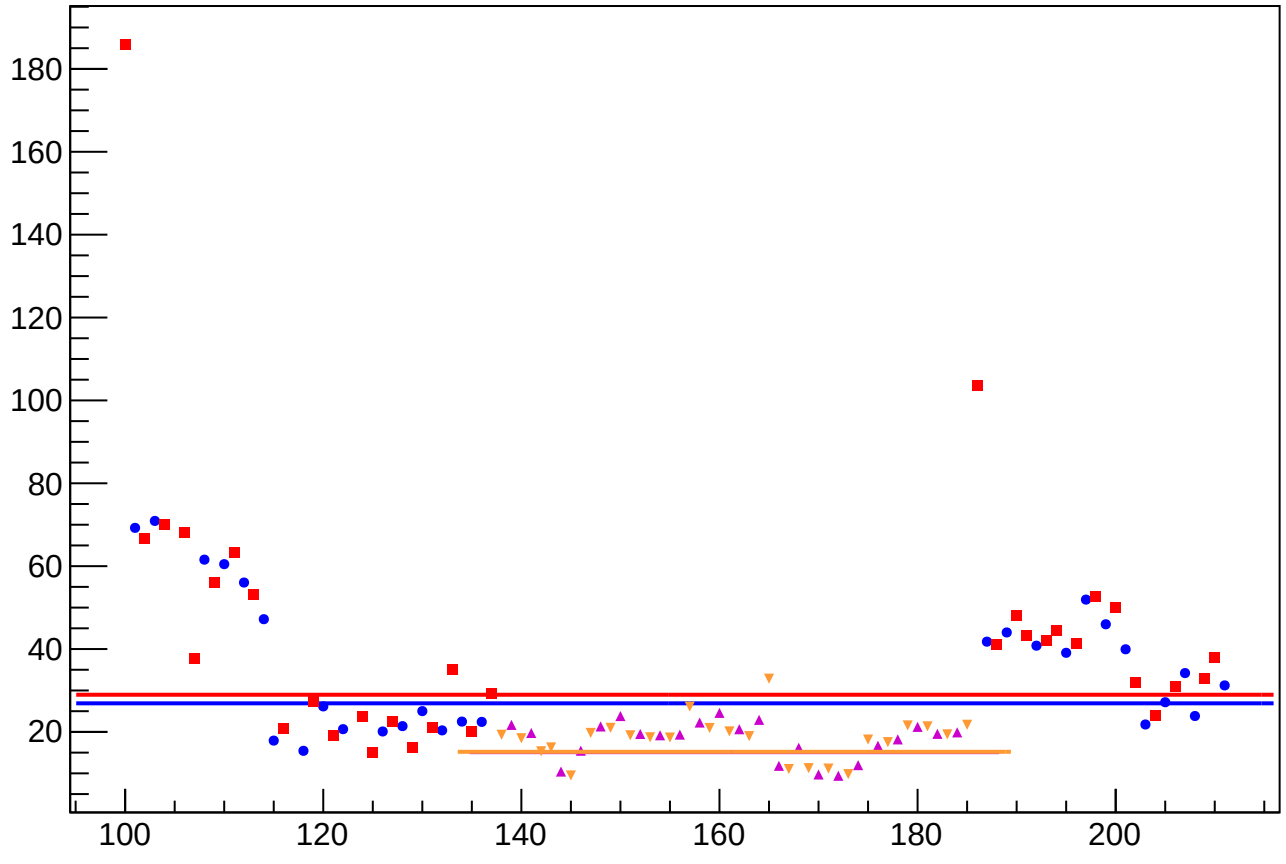
Right Out: -0.005+/-0.008 χ^2/NDF: 49.9/32

Left In: -0.002+/-0.004 χ^2/NDF:26.9/22

+ sign -0.001+/-0.003 χ^2/NDF: 53.0/52

All: -0.002+/-0.002 χ^2/NDF: 130.2/108

- sign -0.003+/-0.003 χ^2/NDF: 76.9/55



Right In: 26.899+/-0.005 χ^2/NDF: 4331937.2/27

Left Out: 15.202+/-0.003 χ^2/NDF:3441921.2/24

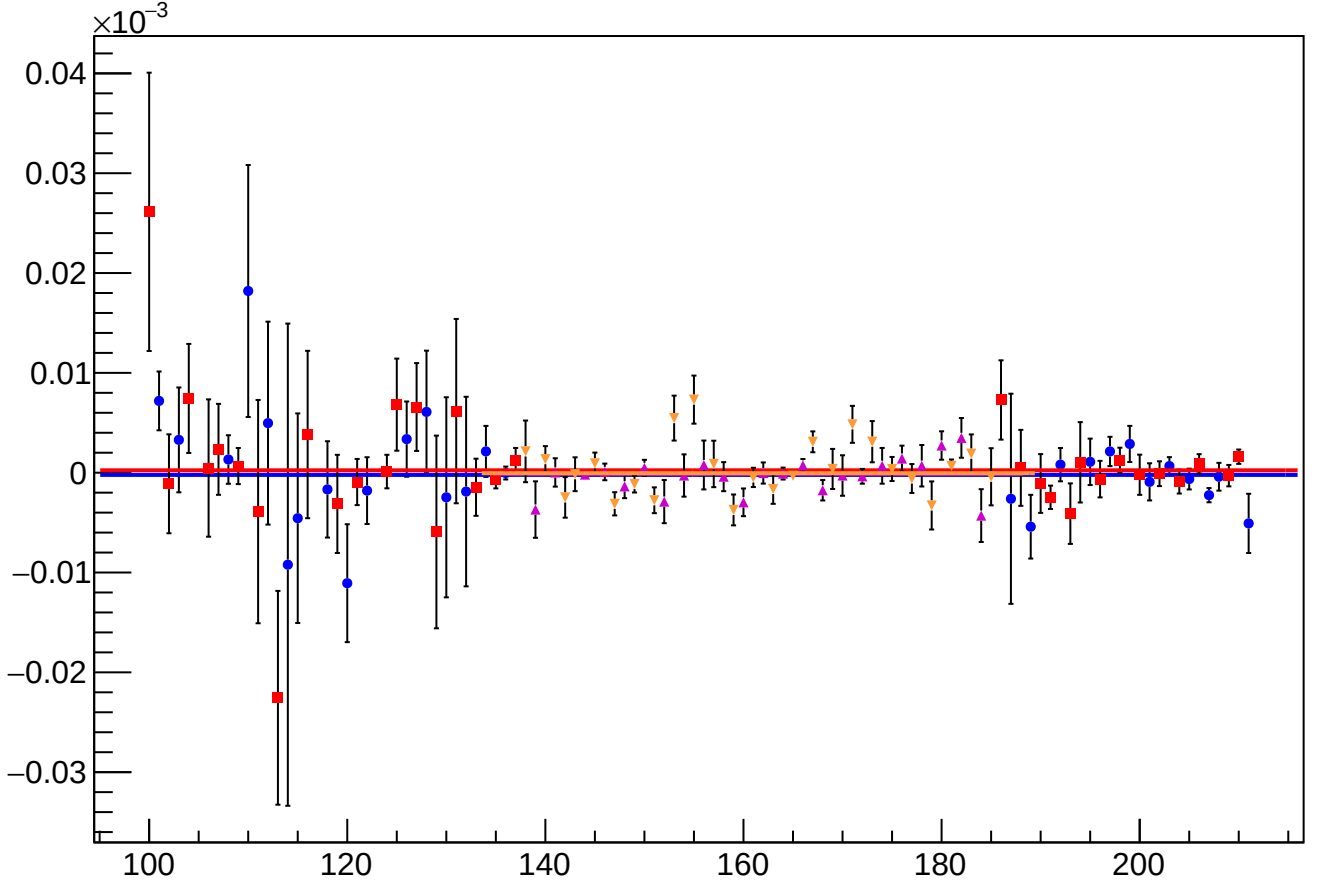
Right Out: 28.969+/-0.005 χ^2/NDF: 5434636.7/32

Left In: 15.116+/-0.003 χ^2/NDF:3402288.3/22

+ sign 17.582+/-0.002 χ^2/NDF: 11831453.1/52

All: 17.735+/-0.002 χ^2/NDF: 25945825.2/108

- sign 17.899+/-0.002 χ^2/NDF: 14105503.9/55



Right In: -0.000+/-0.000 χ^2/NDF: 37.5/27

Left Out: -0.000+/-0.000 χ^2/NDF:62.8/24

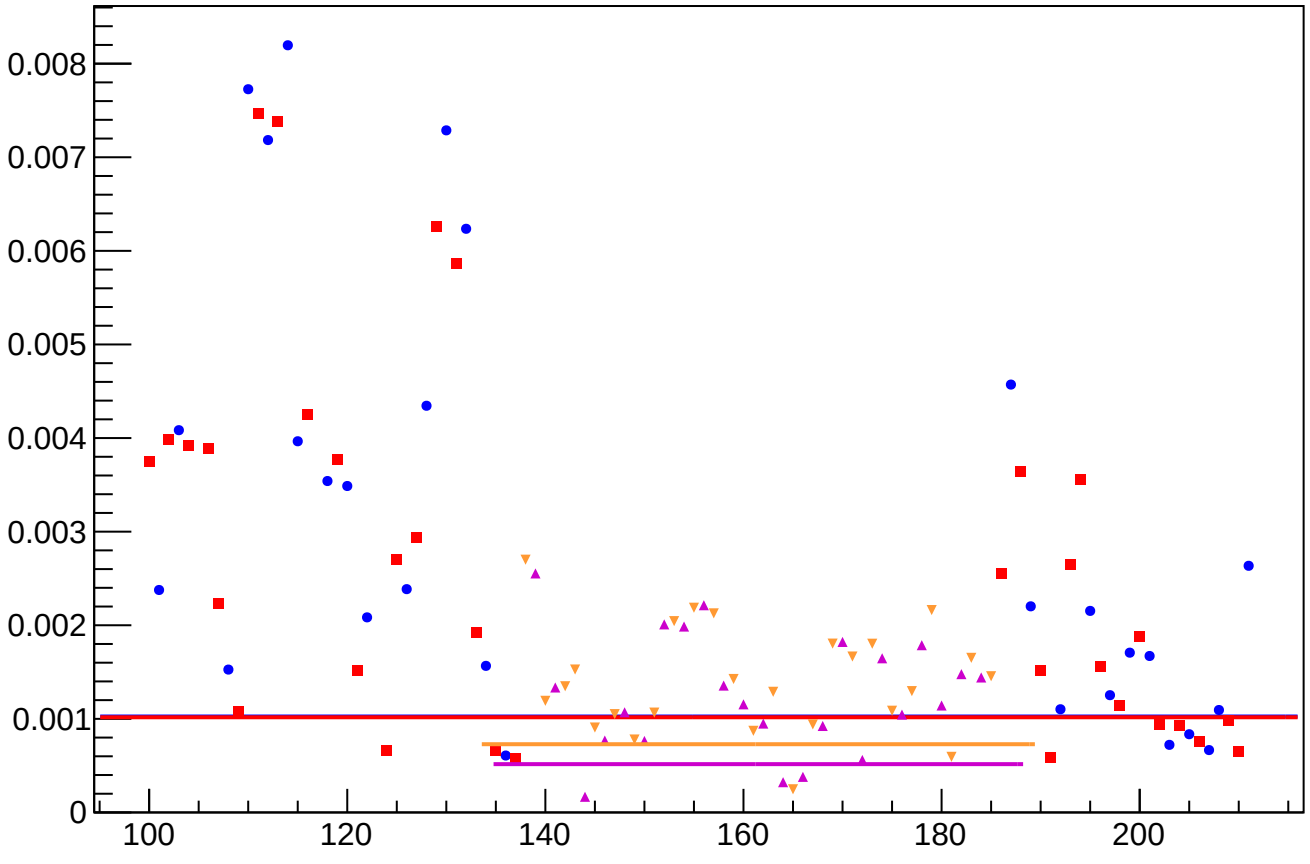
Right Out: 0.000+/-0.000 χ^2/NDF: 34.9/32

Left In: -0.000+/-0.000 χ^2/NDF:25.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 100.6/52

All: -0.000+/-0.000 χ^2/NDF: 162.1/108

- sign -0.000+/-0.000 χ^2/NDF: 61.4/55



Right In: 0.001+/-0.000 χ^2/NDF: 10003937.8/27

Left Out: 0.001+/-0.000 χ^2/NDF:13120515.6/24

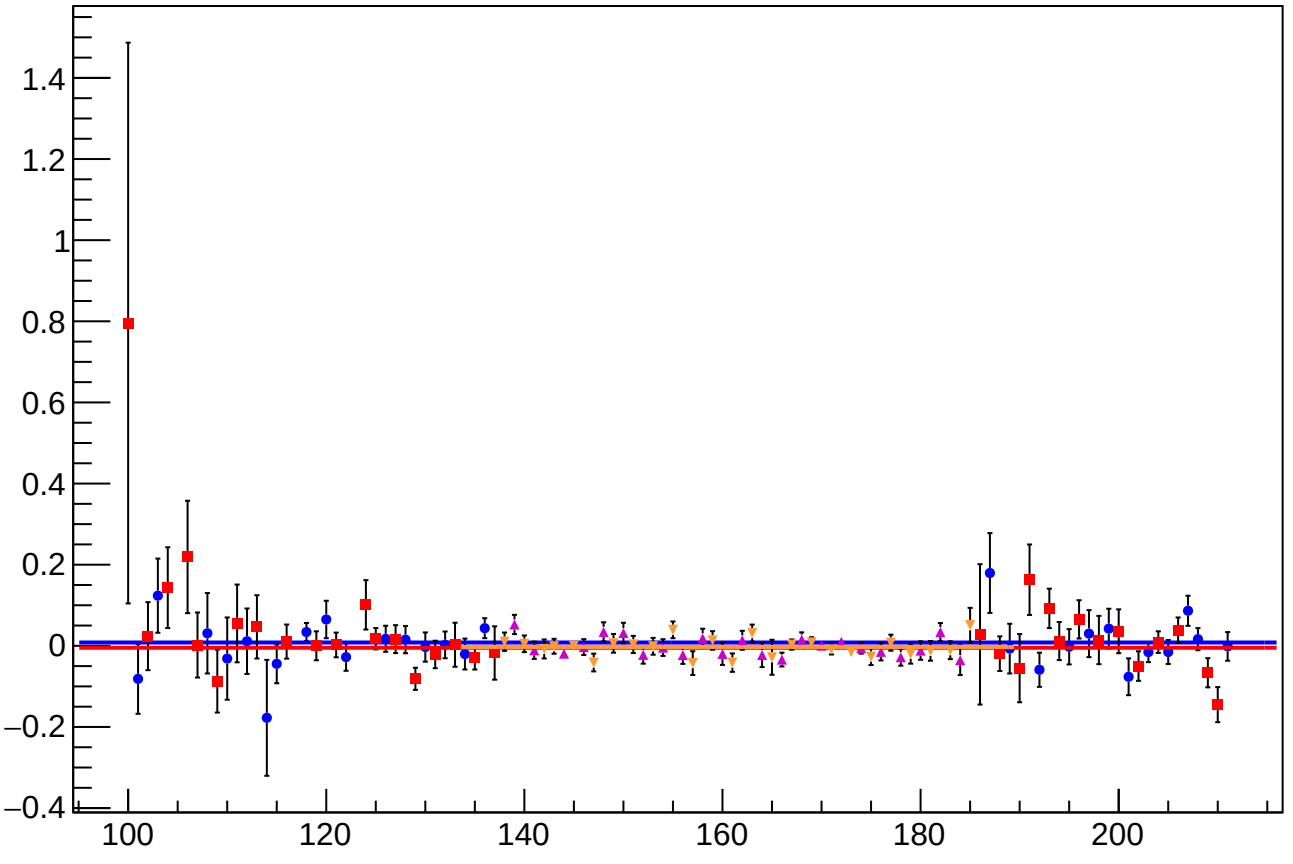
Right Out: 0.001+/-0.000 χ^2/NDF: 11061748.7/32

Left In: 0.001+/-0.000 χ^2/NDF:15027708.0/22

+ sign 0.001+/-0.000 χ^2/NDF: 24317113.2/52

All: 0.001+/-0.000 χ^2/NDF: 55601848.1/108

- sign 0.001+/-0.000 χ^2/NDF: 30119681.1/55



Right In: 0.008+/-0.007 χ^2/NDF: 28.6/27

Left Out: -0.003+/-0.004 χ^2/NDF:22.6/24

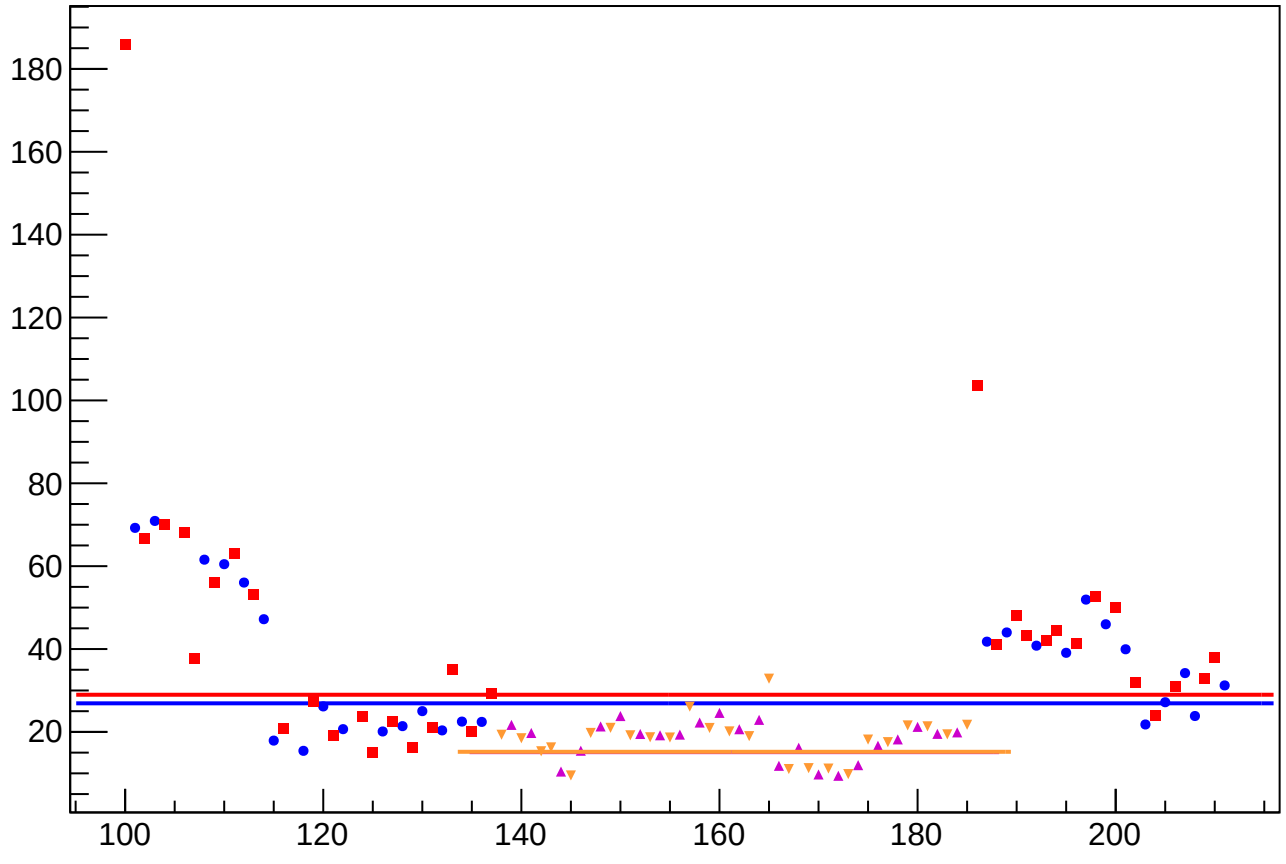
Right Out: -0.005+/-0.008 χ^2/NDF: 49.9/32

Left In: -0.002+/-0.004 χ^2/NDF:26.9/22

+ sign -0.001+/-0.003 χ^2/NDF: 53.0/52

All: -0.002+/-0.002 χ^2/NDF: 130.2/108

- sign -0.003+/-0.003 χ^2/NDF: 77.0/55



Right In: 26.899+/-0.005 χ^2/NDF: 4332236.0/27

Left Out: 15.202+/-0.003 χ^2/NDF:3442015.2/24

Right Out: 28.969+/-0.005 χ^2/NDF: 5434851.5/32

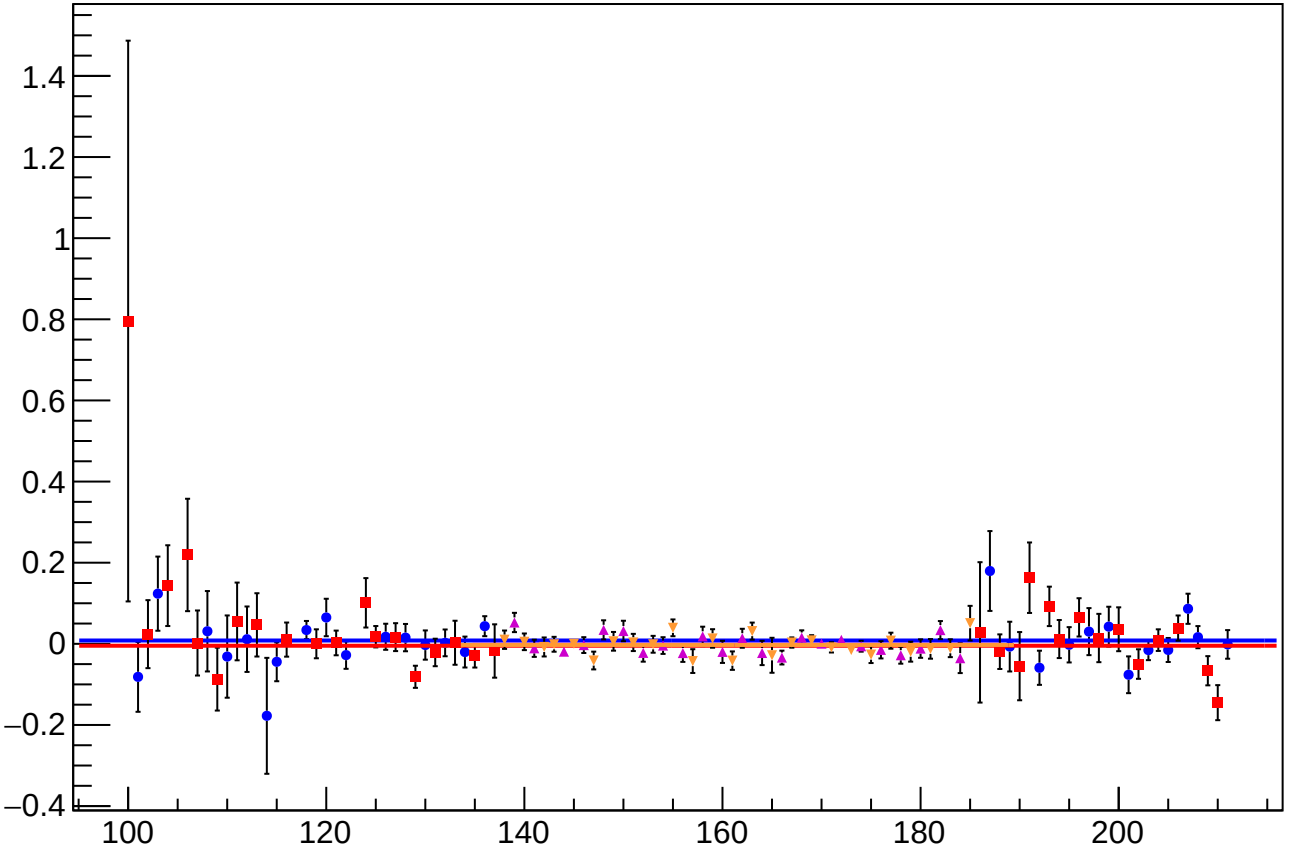
Left In: 15.117+/-0.003 χ^2/NDF:3402318.1/22

\+ sign 17.582+/-0.002 χ^2/NDF: 11831403.4/52

All: 17.735+/-0.002 χ^2/NDF: 25945813.3/108

\- sign 17.899+/-0.002 χ^2/NDF: 14105535.9/55

asym_sam_37_26_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.008+/-0.007 χ^2/NDF: 28.6/27

Left Out: -0.003+/-0.004 χ^2/NDF:22.6/24

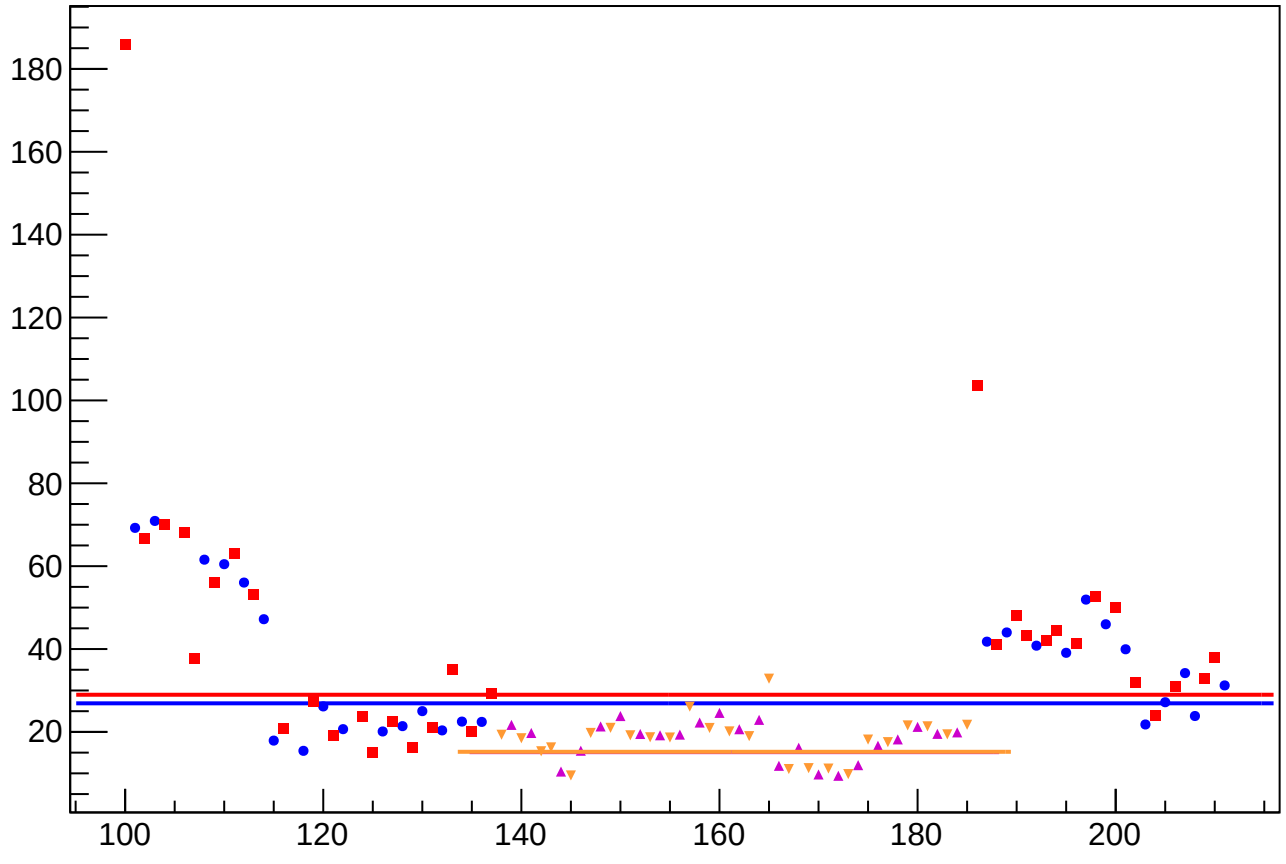
Right Out: -0.005+/-0.008 χ^2/NDF: 49.9/32

Left In: -0.002+/-0.004 χ^2/NDF:26.9/22

+ sign -0.001+/-0.003 χ^2/NDF: 53.0/52

All: -0.002+/-0.002 χ^2/NDF: 130.2/108

- sign -0.003+/-0.003 χ^2/NDF: 77.0/55



Right In: 26.899+/-0.005 χ^2/NDF: 4332236.0/27

Left Out: 15.202+/-0.003 χ^2/NDF:3442015.2/24

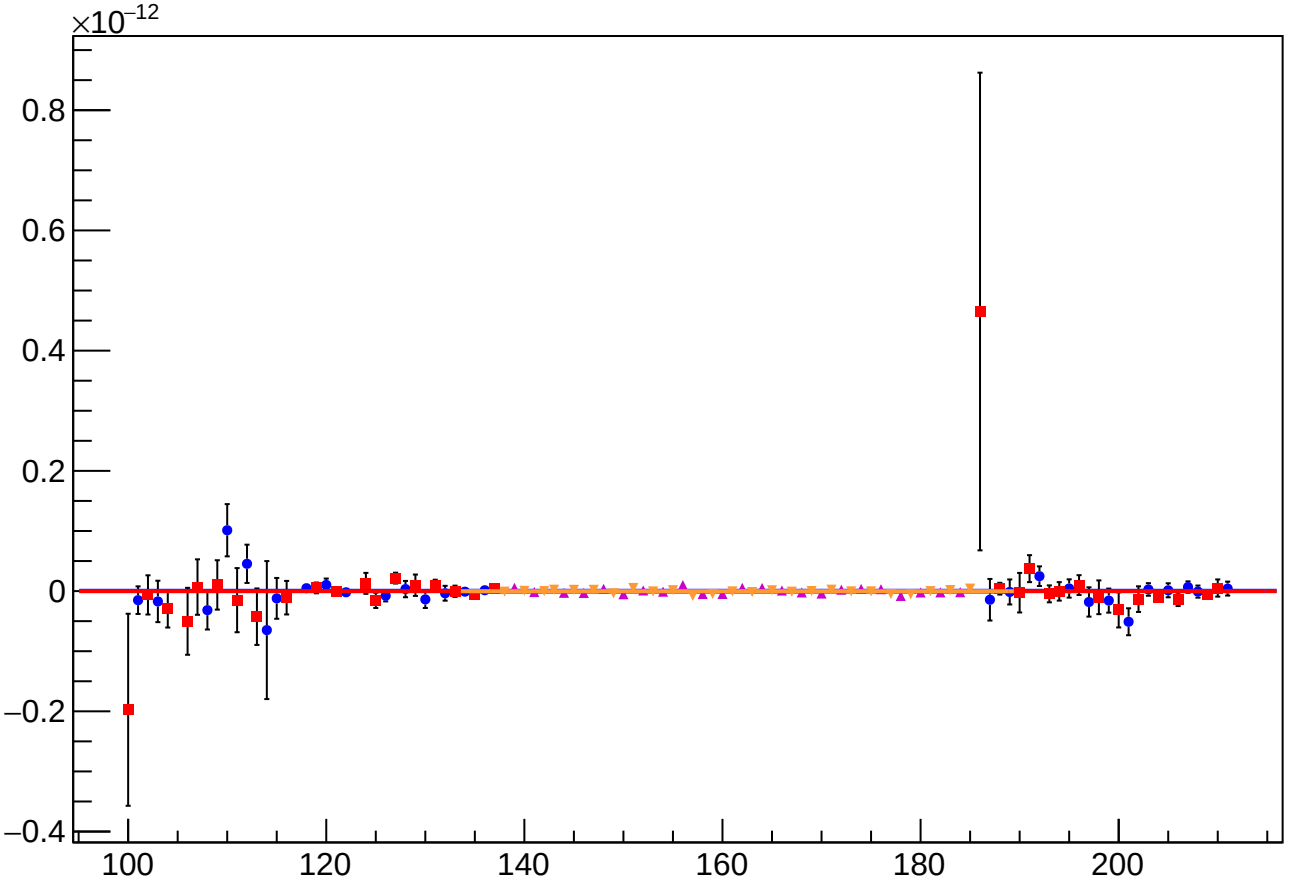
Right Out: 28.969+/-0.005 χ^2/NDF: 5434851.5/32

Left In: 15.117+/-0.003 χ^2/NDF:3402318.1/22

+ sign 17.582+/-0.002 χ^2/NDF: 11831403.4/52

All: 17.735+/-0.002 χ^2/NDF: 25945813.3/108

- sign 17.899+/-0.002 χ^2/NDF: 14105535.9/55



Right In: 0.000+/-0.000 χ^2/NDF: 22.5/27

Left Out: -0.000+/-0.000 χ^2/NDF:21.4/24

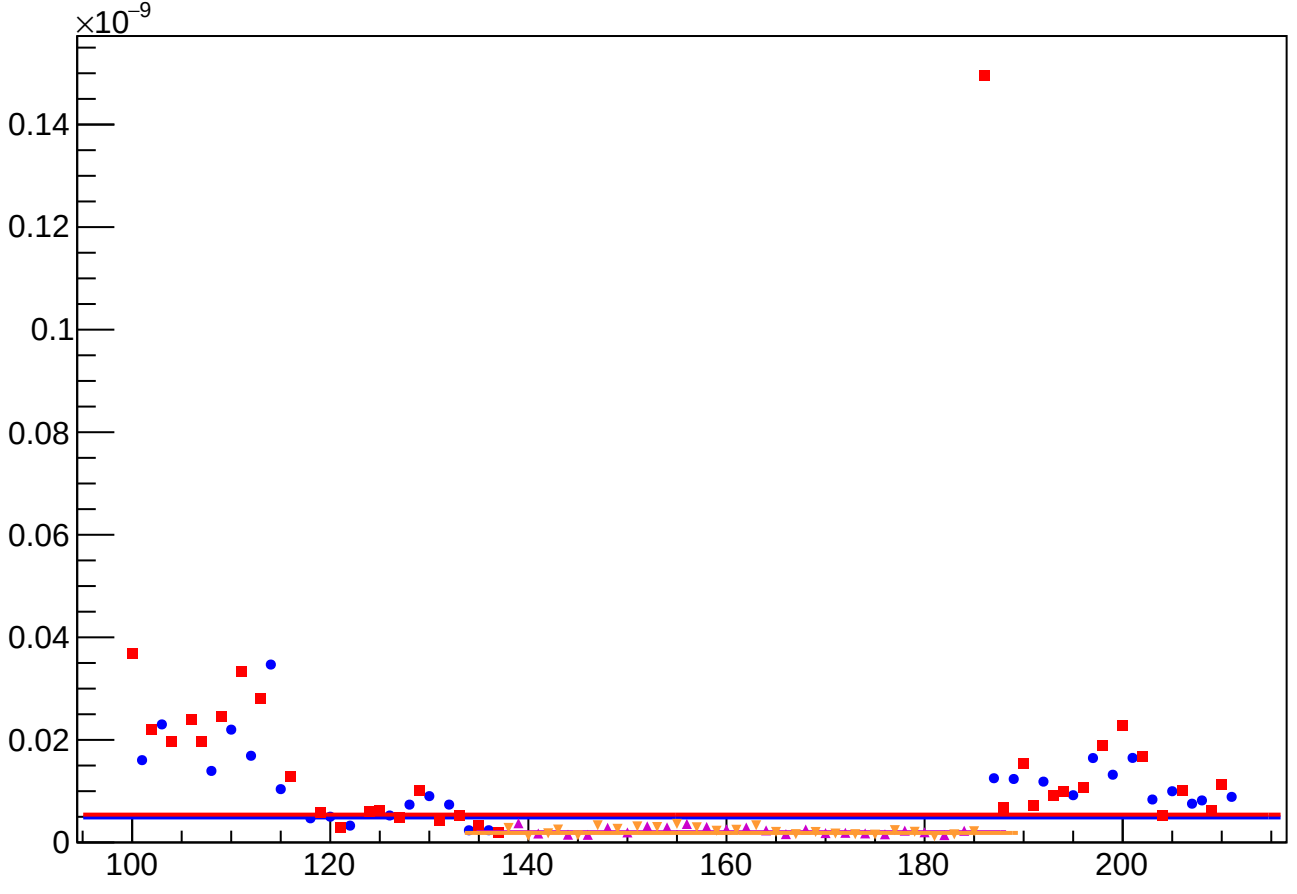
Right Out: -0.000+/-0.000 χ^2/NDF: 26.5/32

Left In: -0.000+/-0.000 χ^2/NDF:39.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 44.1/52

All: -0.000+/-0.000 χ^2/NDF: 110.8/108

- sign -0.000+/-0.000 χ^2/NDF: 66.1/55



Right In: 0.000+/-0.000 χ^2/NDF: 7765453.9/27

Left Out: 0.000+/-0.000 χ^2/NDF:2645485.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8495011.8/32

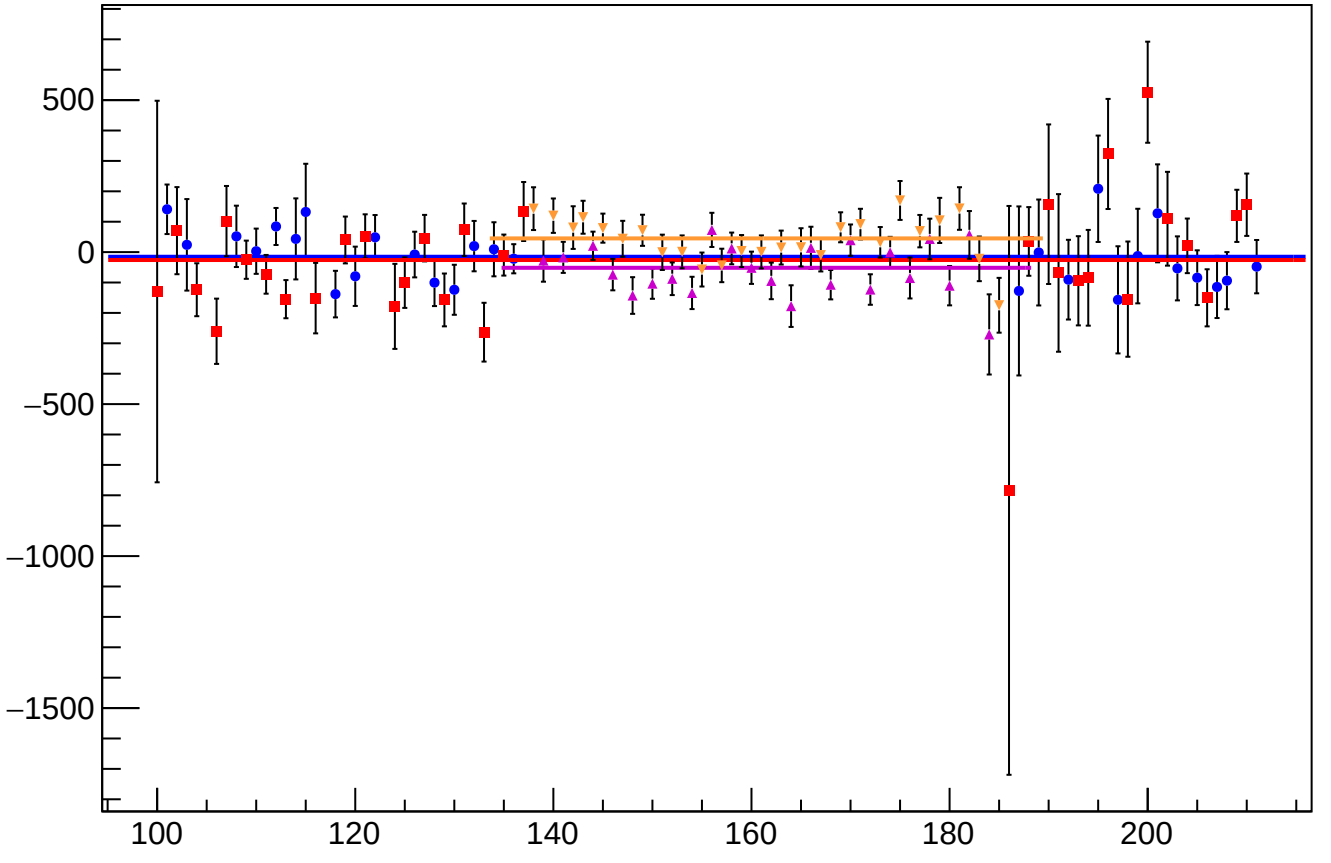
Left In: 0.000+/-0.000 χ^2/NDF:1948585.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 15427506.4/52

All: 0.000+/-0.000 χ^2/NDF: 31523966.1/108

- sign 0.000+/-0.000 χ^2/NDF: 15984004.6/55

reg_asym_sam_1357_avg_mean vs Slug



Right In: -15.256+/-17.402 χ^2/NDF: 21.1/27

Left Out: 45.093+/-11.495 χ^2/NDF:31.3/24

Right Out: -25.998+/-17.155 χ^2/NDF: 56.6/32

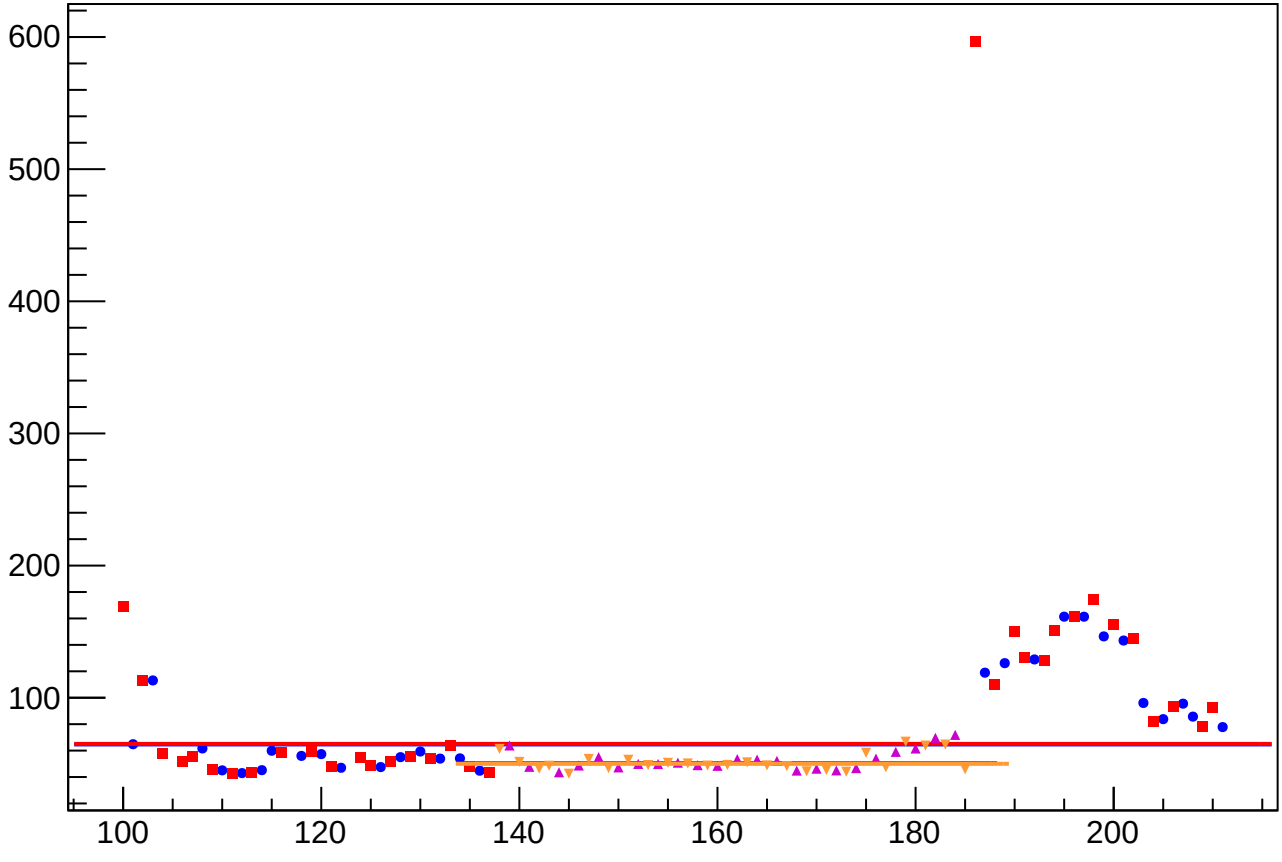
Left In: -51.616+/-11.929 χ^2/NDF:35.9/22

+ sign 26.761+/-9.591 χ^2/NDF: 60.8/52

All: -7.521+/-6.852 χ^2/NDF: 180.9/108

- sign -43.267+/-9.794 χ^2/NDF: 94.0/55

reg_asym_sam_1357_avg_rms vs Slug



Right In: 64.667+/-0.012 χ^2/NDF: 4990889.8/27

Left Out: 50.021+/-0.008 χ^2/NDF:509100.0/24

Right Out: 65.070+/-0.012 χ^2/NDF: 6652889.6/32

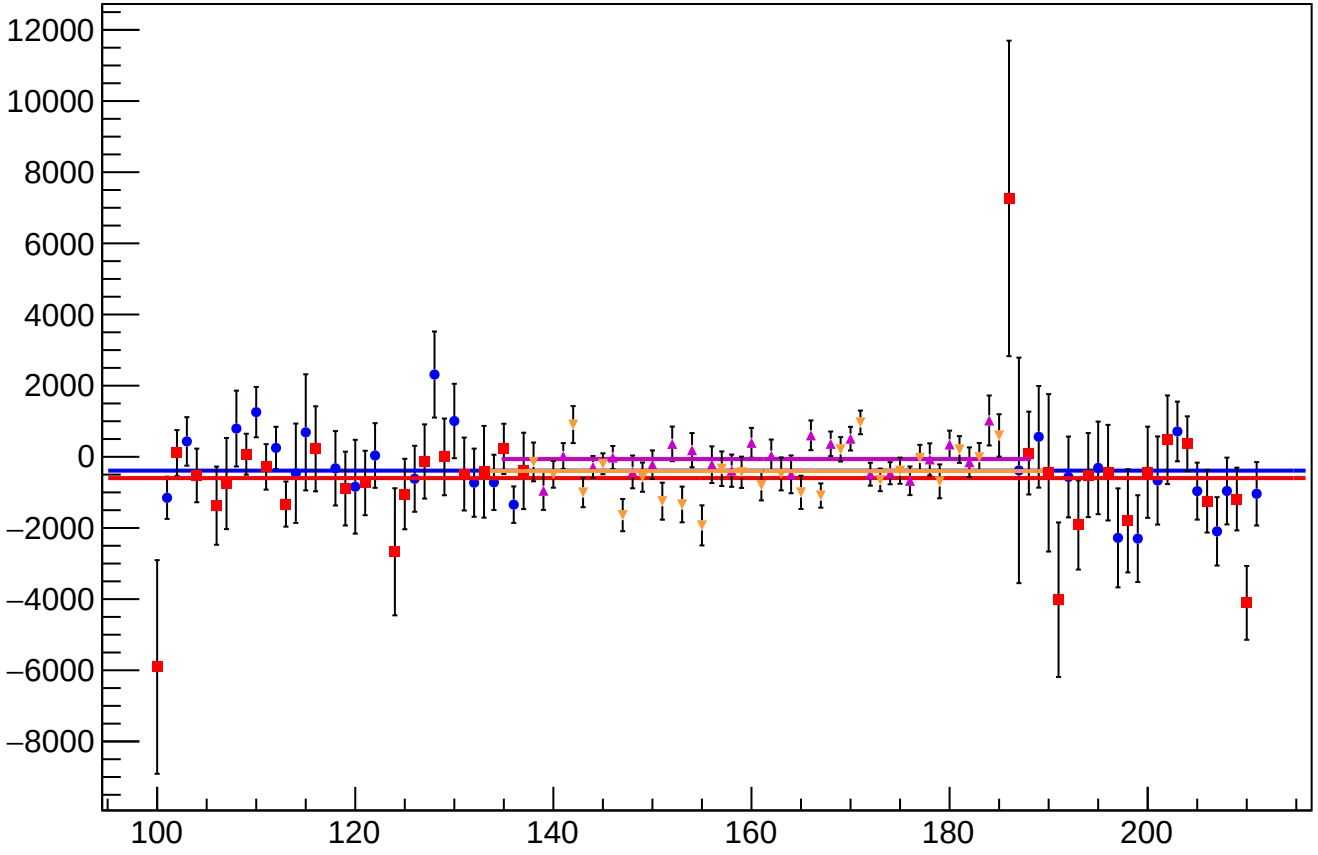
Left In: 50.512+/-0.008 χ^2/NDF:503409.2/22

+ sign 54.470+/-0.007 χ^2/NDF: 6486317.1/52

All: 54.855+/-0.005 χ^2/NDF: 14620103.9/108

- sign 55.257+/-0.007 χ^2/NDF: 8127196.8/55

asym_sam_1357_avg_reg_correction_mean vs Slug



Right In: -388.461+/-171.859 χ^2/NDF: 33.4/27

Left Out: -399.363+/-82.064 χ^2/NDF:65.4/24

Right Out: -597.040+/-171.316 χ^2/NDF: 34.4/32

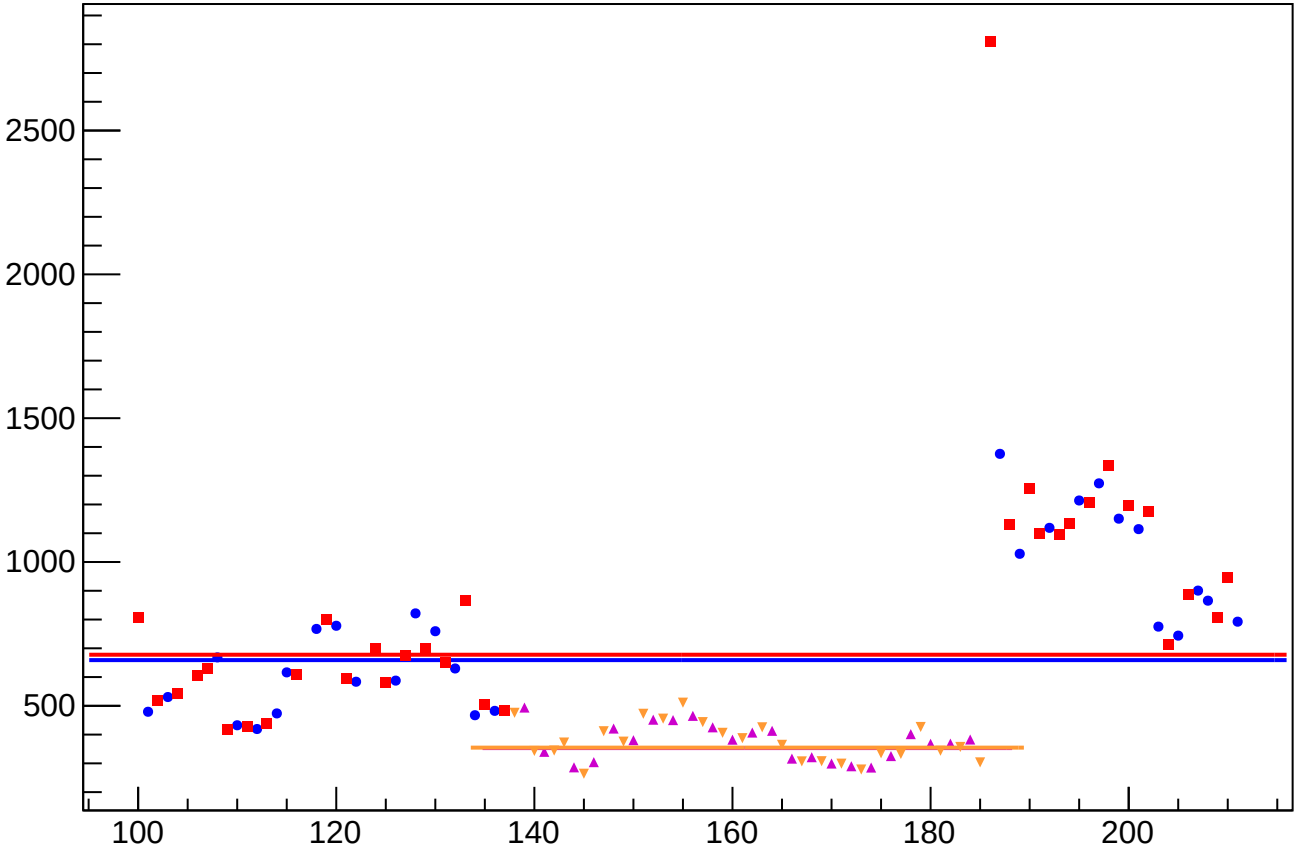
Left In: -62.038+/-83.892 χ^2/NDF:23.9/22

+ sign -397.339+/-74.054 χ^2/NDF: 98.8/52

All: -283.429+/-52.814 χ^2/NDF: 169.8/108

- sign -165.517+/-75.344 χ^2/NDF: 66.1/55

asym_sam_1357_avg_reg_correction_rms vs Slug



Right In: 658.913+/-0.122 χ^2/NDF: 3541481.0/27

Left Out: 354.670+/-0.058 χ^2/NDF:1145465.6/24

Right Out: 677.657+/-0.121 χ^2/NDF: 4670798.4/32

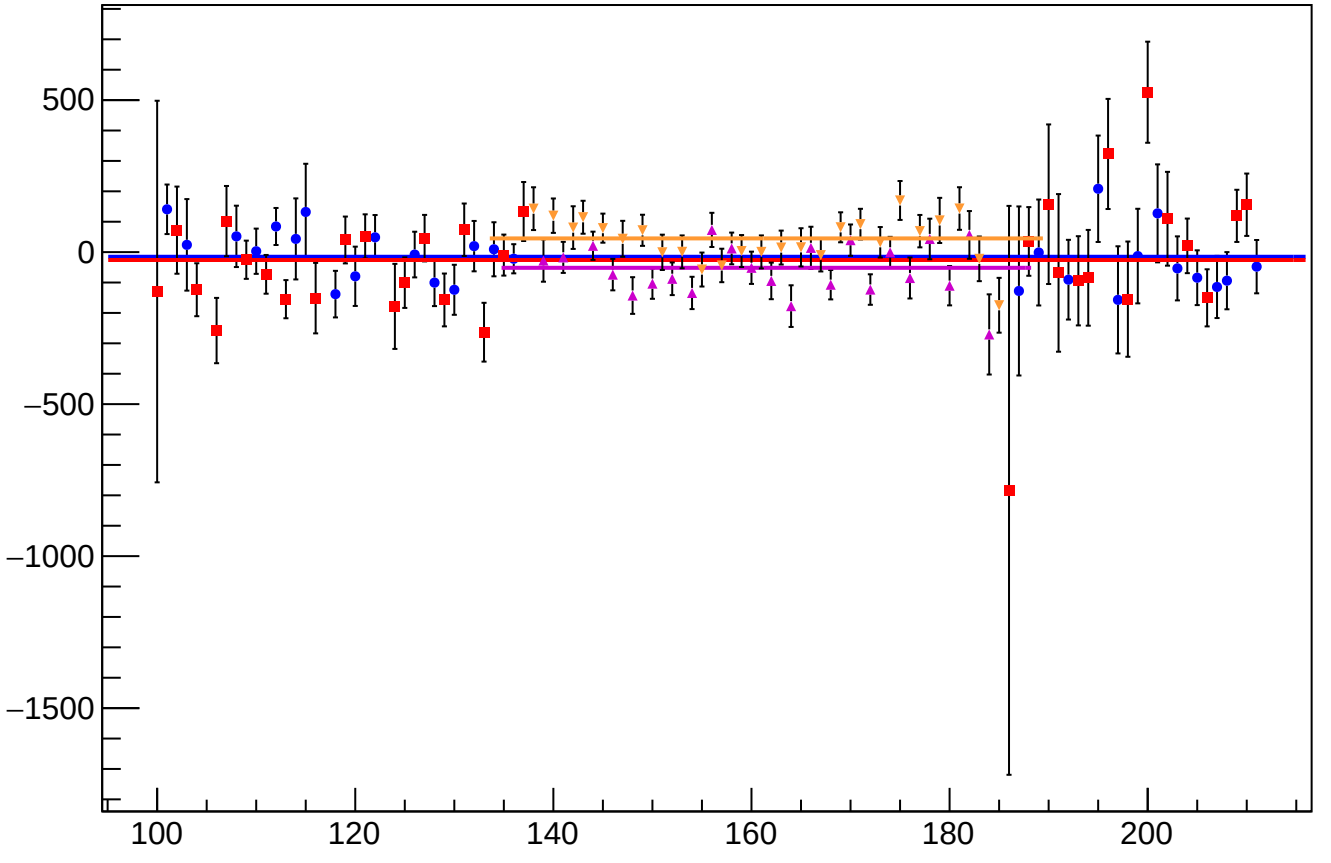
Left In: 353.110+/-0.059 χ^2/NDF:1004127.0/22

+ sign 411.160+/-0.052 χ^2/NDF: 9791113.7/52

All: 413.481+/-0.037 χ^2/NDF: 21259498.8/10

- sign 415.883+/-0.053 χ^2/NDF: 11464388.1/55

cor_asym_sam_1357_avg_mean vs Slug



Right In: -15.261+/-17.402 χ^2/NDF: 21.1/27

Left Out: 45.096+/-11.495 χ^2/NDF:31.3/24

Right Out: -25.909+/-17.156 χ^2/NDF: 56.6/32

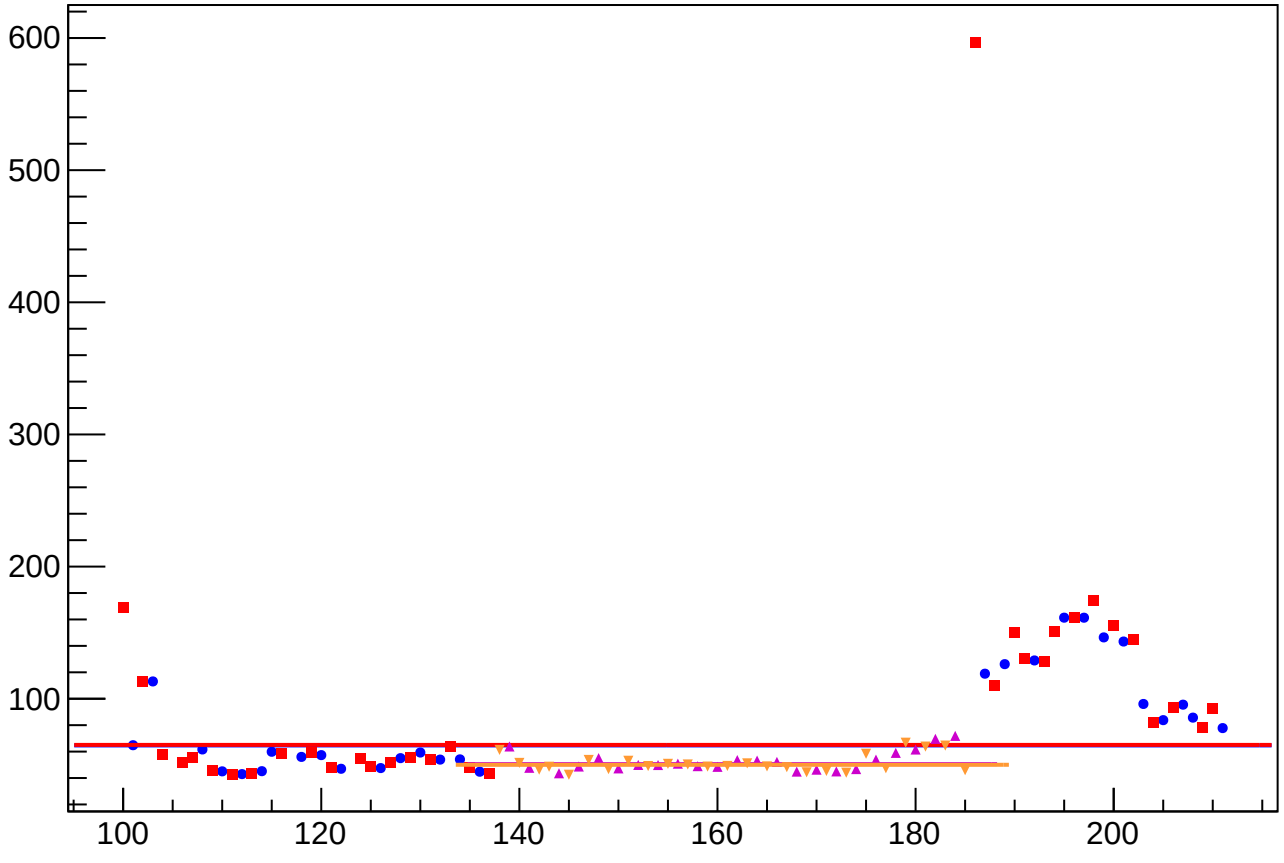
Left In: -51.616+/-11.929 χ^2/NDF:35.8/22

+ sign 26.762+/-9.591 χ^2/NDF: 60.8/52

All: -7.506+/-6.852 χ^2/NDF: 180.8/108

- sign -43.238+/-9.794 χ^2/NDF: 93.9/55

cor_asym_sam_1357_avg_rms vs Slug



Right In: 64.667+/-0.012 χ^2/NDF: 4990892.1/27

Left Out: 50.021+/-0.008 χ^2/NDF:509100.0/24

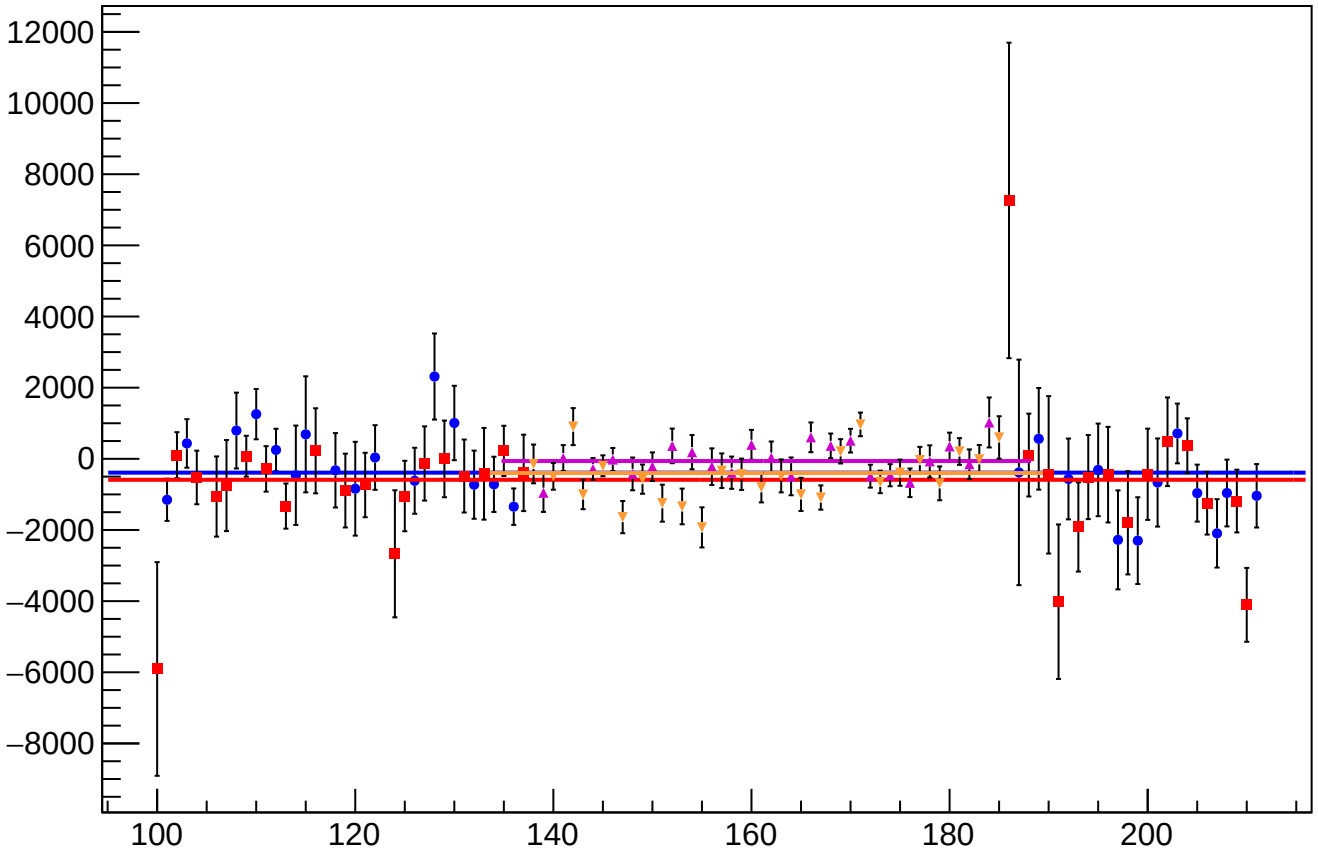
Right Out: 65.063+/-0.012 χ^2/NDF: 6654507.7/32

Left In: 50.512+/-0.008 χ^2/NDF:503409.2/22

+ sign 54.470+/-0.007 χ^2/NDF: 6486319.4/52

All: 54.854+/-0.005 χ^2/NDF: 14620677.4/108

- sign 55.254+/-0.007 χ^2/NDF: 8127810.2/55



Right In: -388.448+/-171.860 χ^2/NDF: 33.4/27

Left Out: -399.358+/-82.064 χ^2/NDF:65.4/24

Right Out: -589.217+/-171.430 χ^2/NDF: 34.0/32

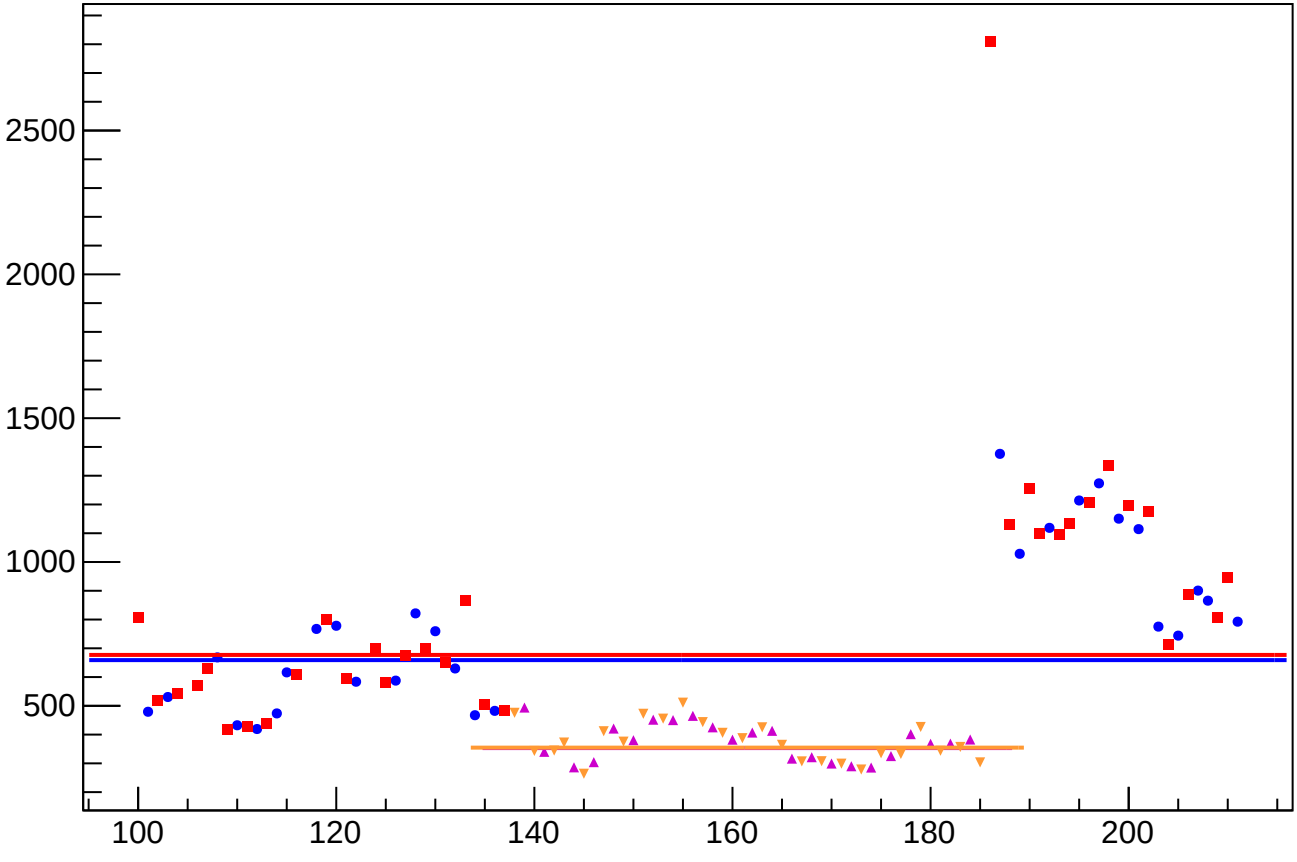
Left In: -62.038+/-83.892 χ^2/NDF:23.9/22

+ sign -397.332+/-74.054 χ^2/NDF: 98.8/52

All: -282.643+/-52.818 χ^2/NDF: 169.3/108

- sign -163.894+/-75.353 χ^2/NDF: 65.6/55

asym_sam_1357_avg_cor_correction_rms vs Slug



Right In: 658.918+/-0.122 χ^2/NDF: 3541404.5/27

Left Out: 354.670+/-0.058 χ^2/NDF:1145468.3/24

Right Out: 676.978+/-0.121 χ^2/NDF: 4679334.8/32

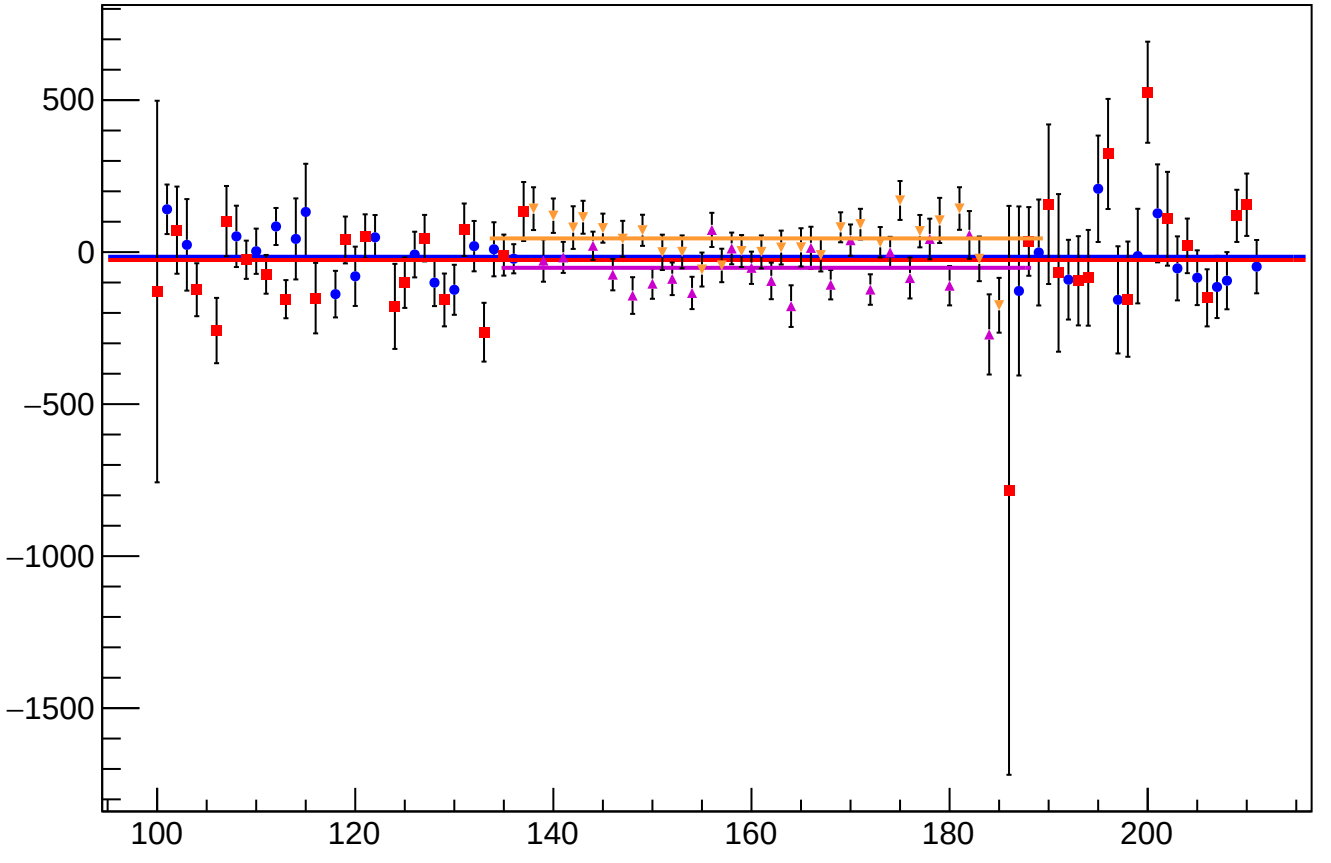
Left In: 353.110+/-0.059 χ^2/NDF:1004126.9/22

+ sign 411.161+/-0.052 χ^2/NDF: 9791168.7/52

All: 413.383+/-0.037 χ^2/NDF: 21237373.0/10

- sign 415.685+/-0.053 χ^2/NDF: 11442537.3/55

eigen_cor_asym_sam_1357_avg_mean vs Slug



Right In: -15.261+/-17.402 χ^2/NDF: 21.1/27

Left Out: 45.096+/-11.495 χ^2/NDF:31.3/24

Right Out: -25.909+/-17.156 χ^2/NDF: 56.6/32

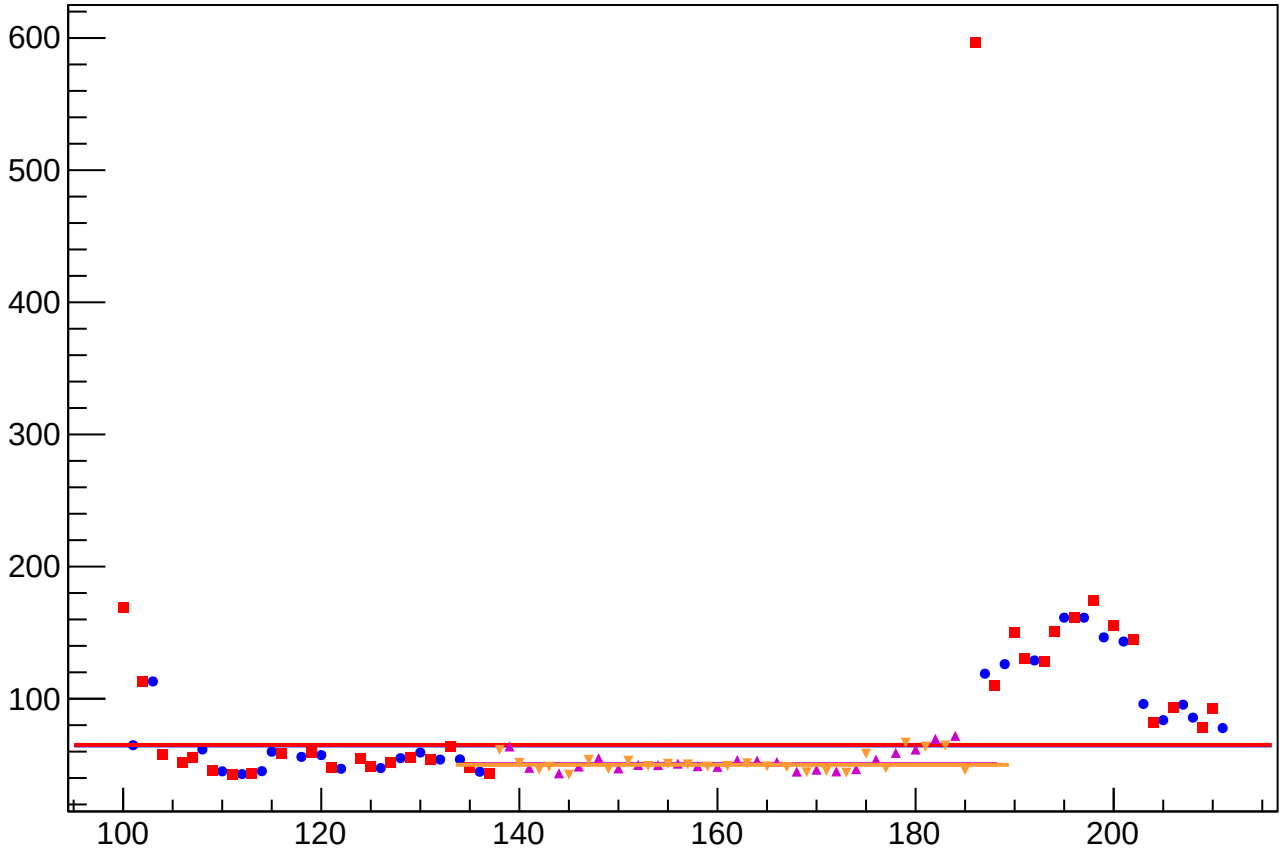
Left In: -51.616+/-11.929 χ^2/NDF:35.8/22

+ sign 26.762+/-9.591 χ^2/NDF: 60.8/52

All: -7.506+/-6.852 χ^2/NDF: 180.8/108

- sign -43.238+/-9.794 χ^2/NDF: 93.9/55

eigen_cor_asym_sam_1357_avg_rms vs Slug



Right In: 64.667+/-0.012 χ^2/NDF: 4990892.1/27

Left Out: 50.021+/-0.008 χ^2/NDF:509100.0/24

Right Out: 65.063+/-0.012 χ^2/NDF: 6654507.7/32

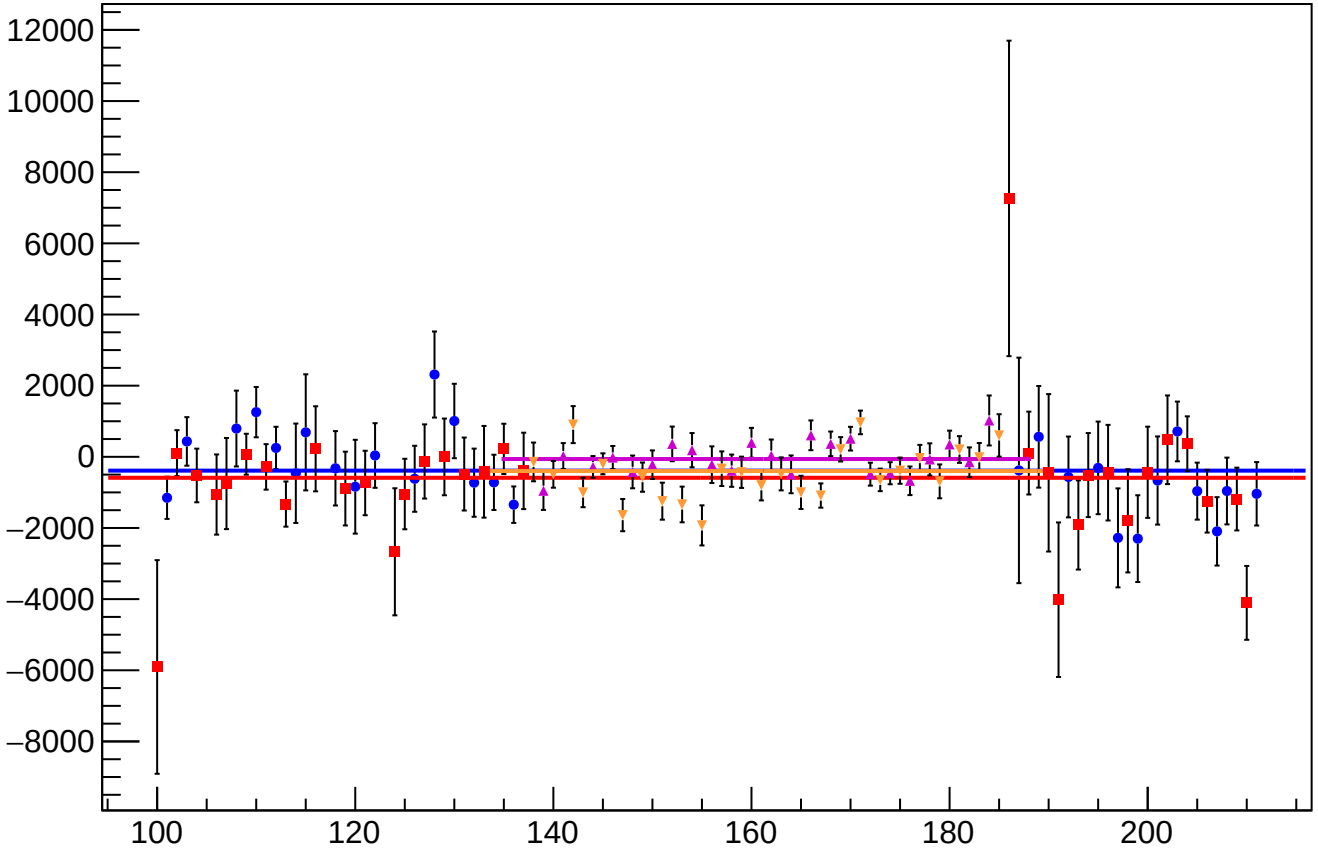
Left In: 50.512+/-0.008 χ^2/NDF:503409.2/22

+ sign 54.470+/-0.007 χ^2/NDF: 6486319.4/52

All: 54.854+/-0.005 χ^2/NDF: 14620677.4/108

- sign 55.254+/-0.007 χ^2/NDF: 8127810.2/55

asym_sam_1357_avg_eigen_cor_correction_mean vs Slug



Right In: -388.448+/-171.860 χ^2/NDF: 33.4/27

Left Out: -399.358+/-82.064 χ^2/NDF:65.4/24

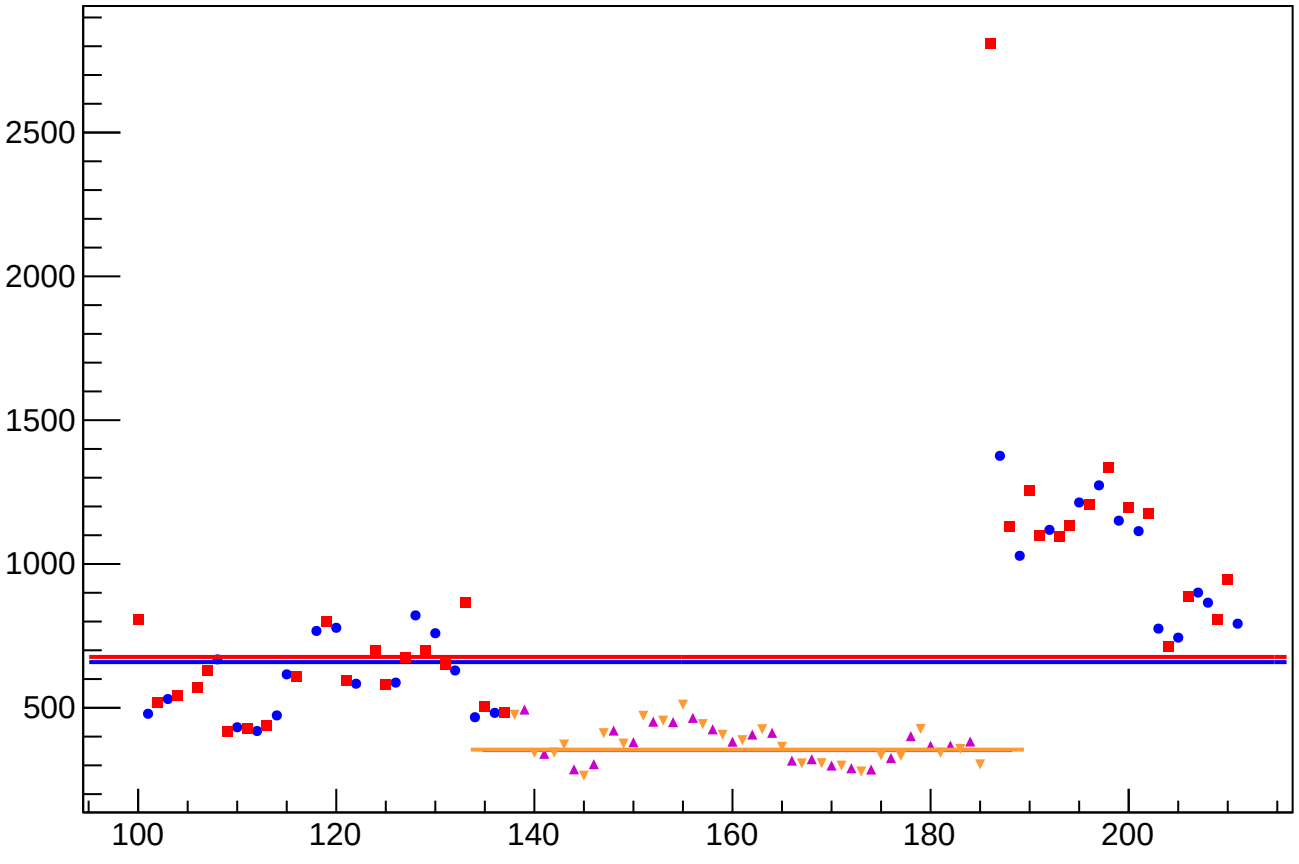
Right Out: -589.217+/-171.430 χ^2/NDF: 34.0/32

Left In: -62.038+/-83.892 χ^2/NDF:23.9/22

+ sign -397.332+/-74.054 χ^2/NDF: 98.8/52

All: -282.643+/-52.818 χ^2/NDF: 169.3/108

- sign -163.894+/-75.353 χ^2/NDF: 65.6/55



Right In: 658.918+/-0.122 χ^2/NDF: 3541404.5/27

Left Out: 354.670+/-0.058 χ^2/NDF:1145468.3/24

Right Out: 676.978+/-0.121 χ^2/NDF: 4679334.8/32

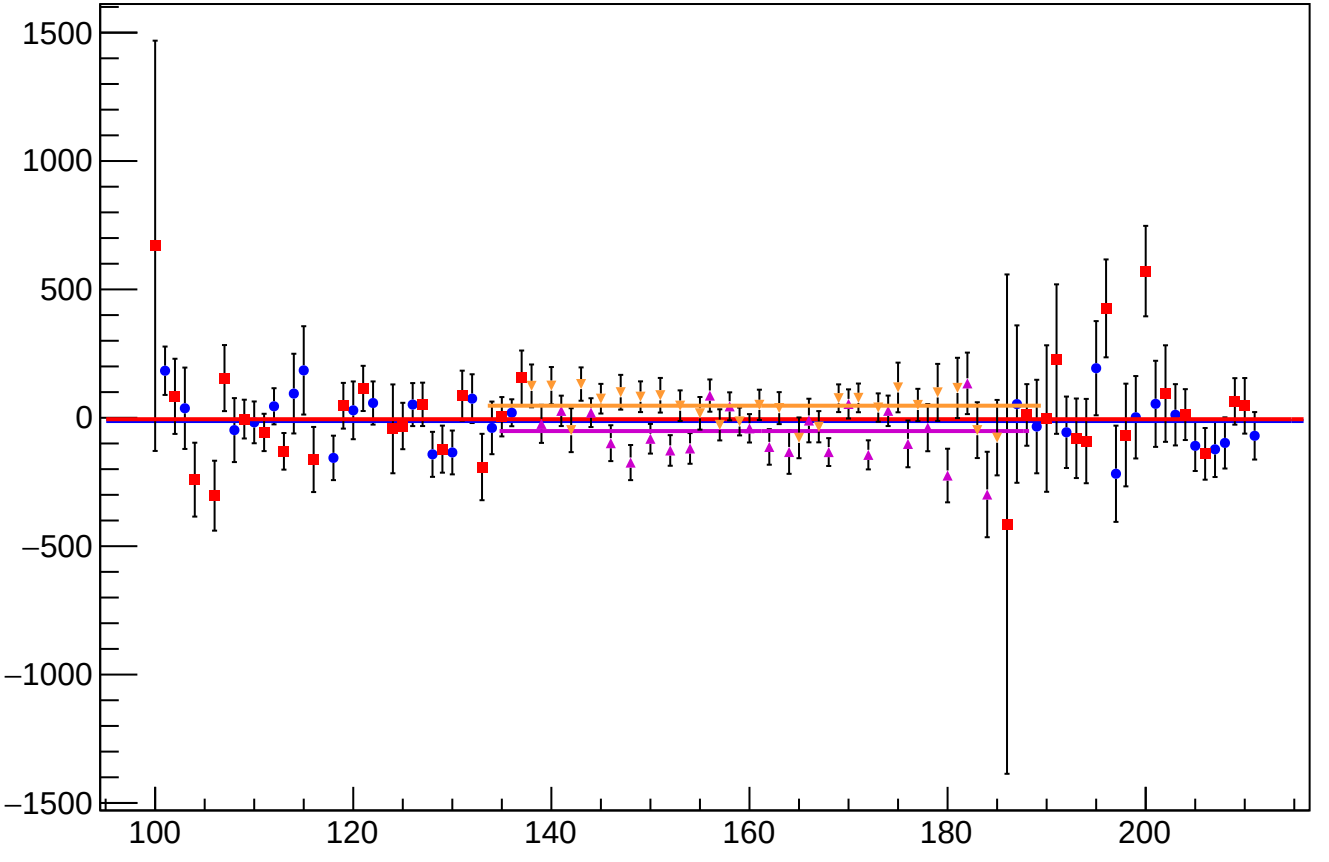
Left In: 353.110+/-0.059 χ^2/NDF:1004126.9/22

+ sign 411.161+/-0.052 χ^2/NDF: 9791168.7/52

All: 413.383+/-0.037 χ^2/NDF: 21237373.0/10

- sign 415.685+/-0.053 χ^2/NDF: 11442537.3/55

dit_asym_sam_1357_avg_mean vs Slug



Right In: -12.631+/-19.309 χ^2/NDF: 22.6/27

Left Out: 47.151+/-13.511 χ^2/NDF:17.0/24

Right Out: -5.475+/-19.524 χ^2/NDF: 45.1/32

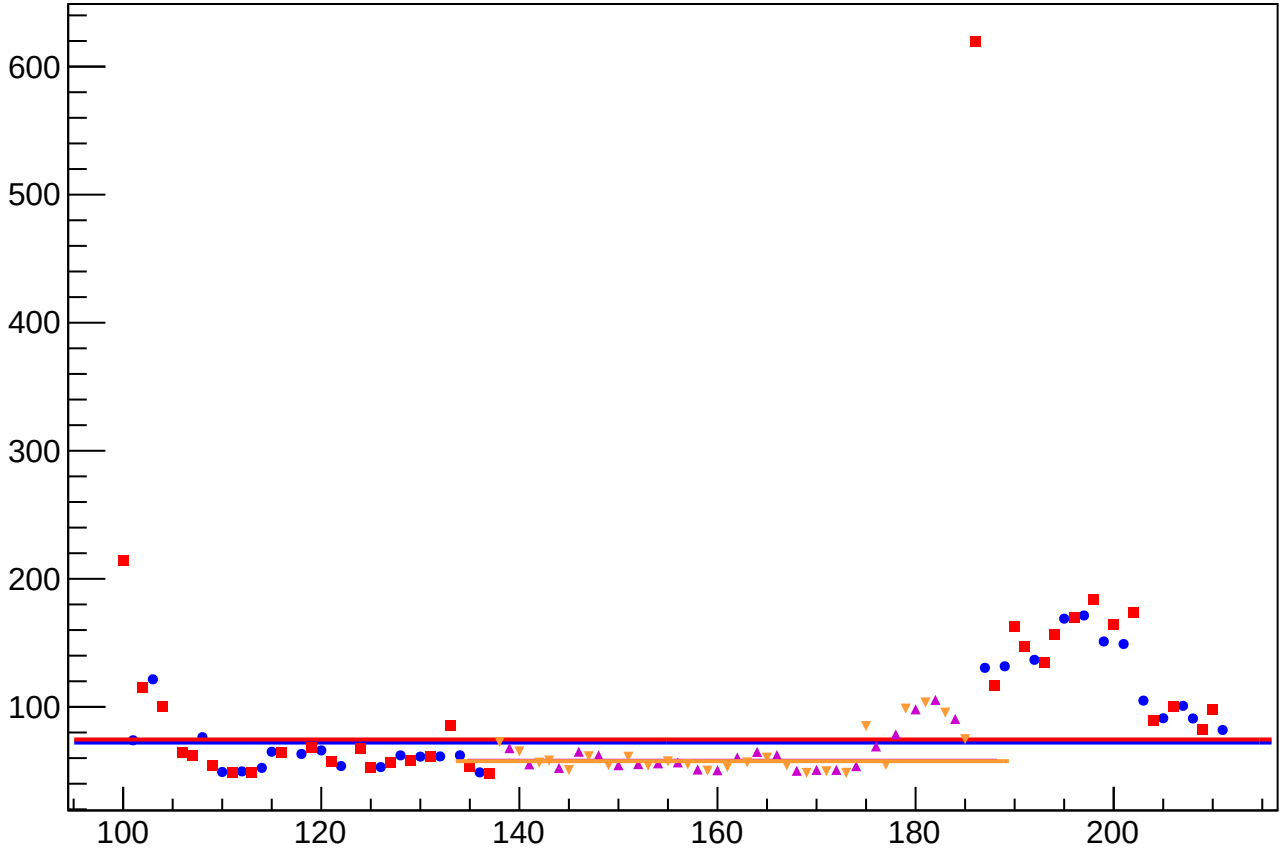
Left In: -51.652+/-13.934 χ^2/NDF:38.2/22

+ sign 27.501+/-11.070 χ^2/NDF: 46.1/52

All: -3.515+/-7.922 χ^2/NDF: 149.2/108

- sign -36.070+/-11.342 χ^2/NDF: 87.0/55

dit_asym_sam_1357_avg_rms vs Slug



Right In: 72.137+/-0.014 χ^2/NDF: 4524857.3/27

Left Out: 57.631+/-0.010 χ^2/NDF:1365448.6/24

Right Out: 74.552+/-0.014 χ^2/NDF: 6110471.0/32

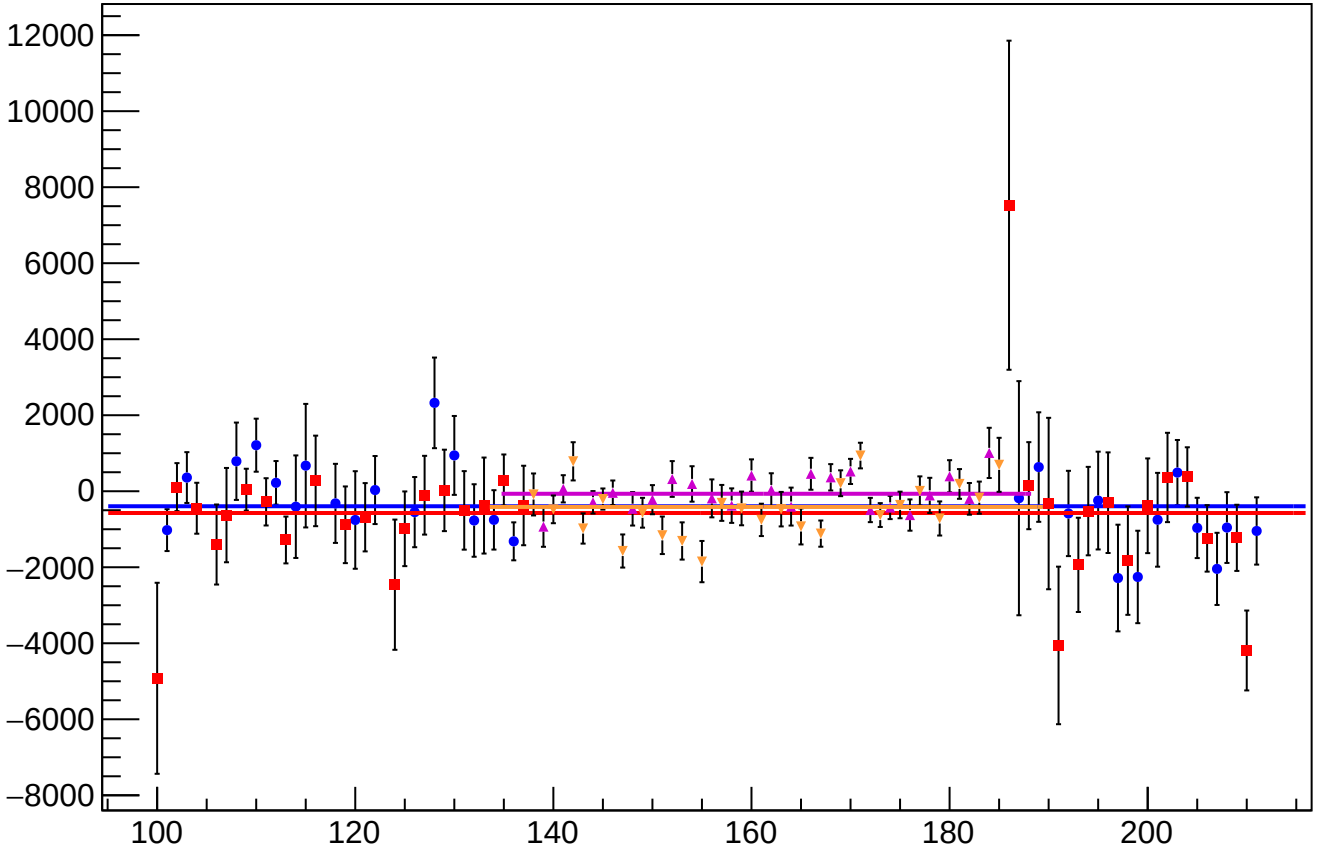
Left In: 57.940+/-0.010 χ^2/NDF:1124523.3/22

+ sign 62.399+/-0.008 χ^2/NDF: 6648068.8/52

All: 62.958+/-0.006 χ^2/NDF: 14852866.0/108

- sign 63.546+/-0.008 χ^2/NDF: 8194324.4/55

asym_sam_1357_avg_dit_correction_mean vs Slug



Right In: -395.059+/-168.640 χ^2/NDF: 32.1/27

Left Out: -413.053+/-81.134 χ^2/NDF:61.3/24

Right Out: -572.338+/-166.650 χ^2/NDF: 35.7/32

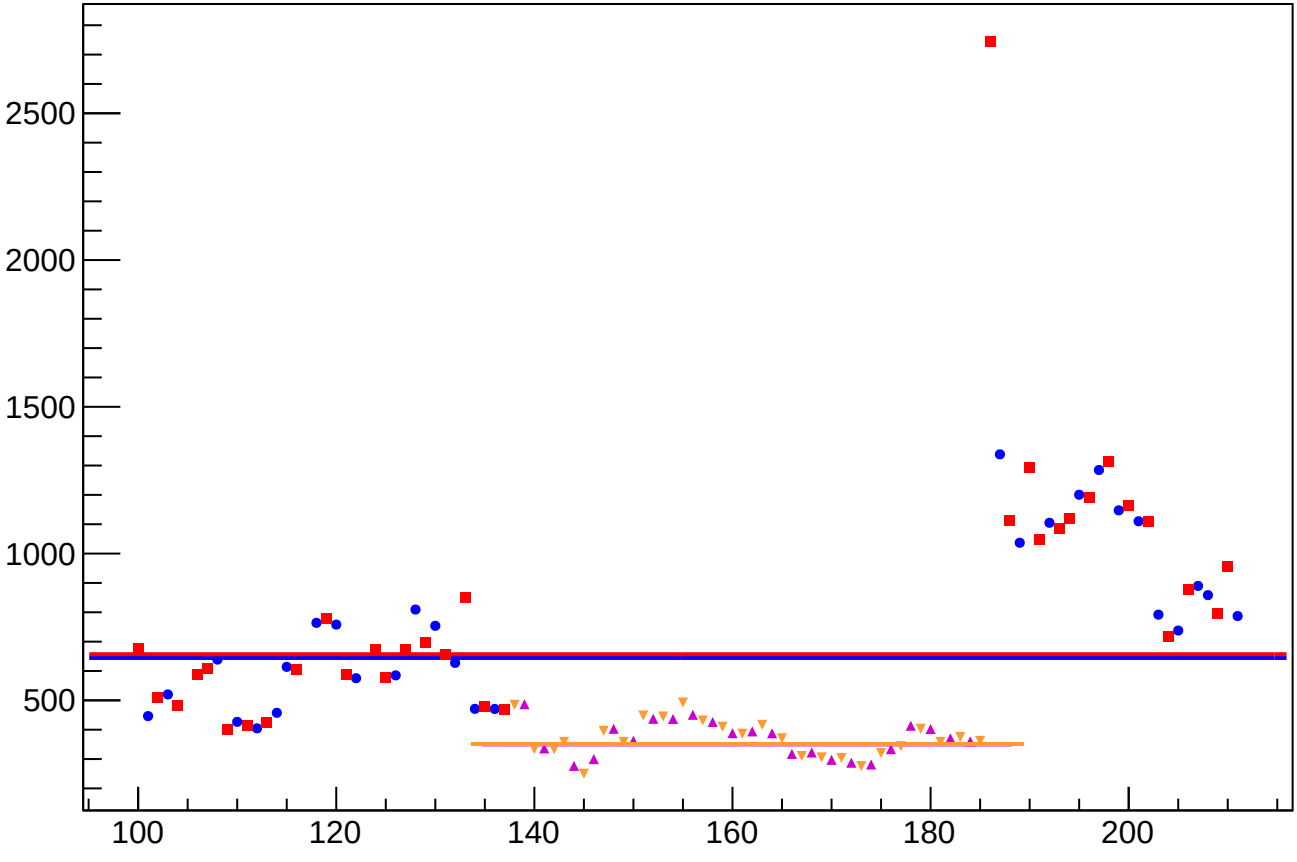
Left In: -66.637+/-83.082 χ^2/NDF:22.9/22

+ sign -409.671+/-73.113 χ^2/NDF: 93.4/52

All: -290.528+/-52.132 χ^2/NDF: 164.8/108

- sign -167.305+/-74.354 χ^2/NDF: 66.0/55

asym_sam_1357_avg_dit_correction_rms vs Slug



Right In: 644.437+/-0.119 χ^2/NDF: 3756801.7/27

Left Out: 351.264+/-0.057 χ^2/NDF:1118247.7/24

Right Out: 657.125+/-0.118 χ^2/NDF: 4892272.7/32

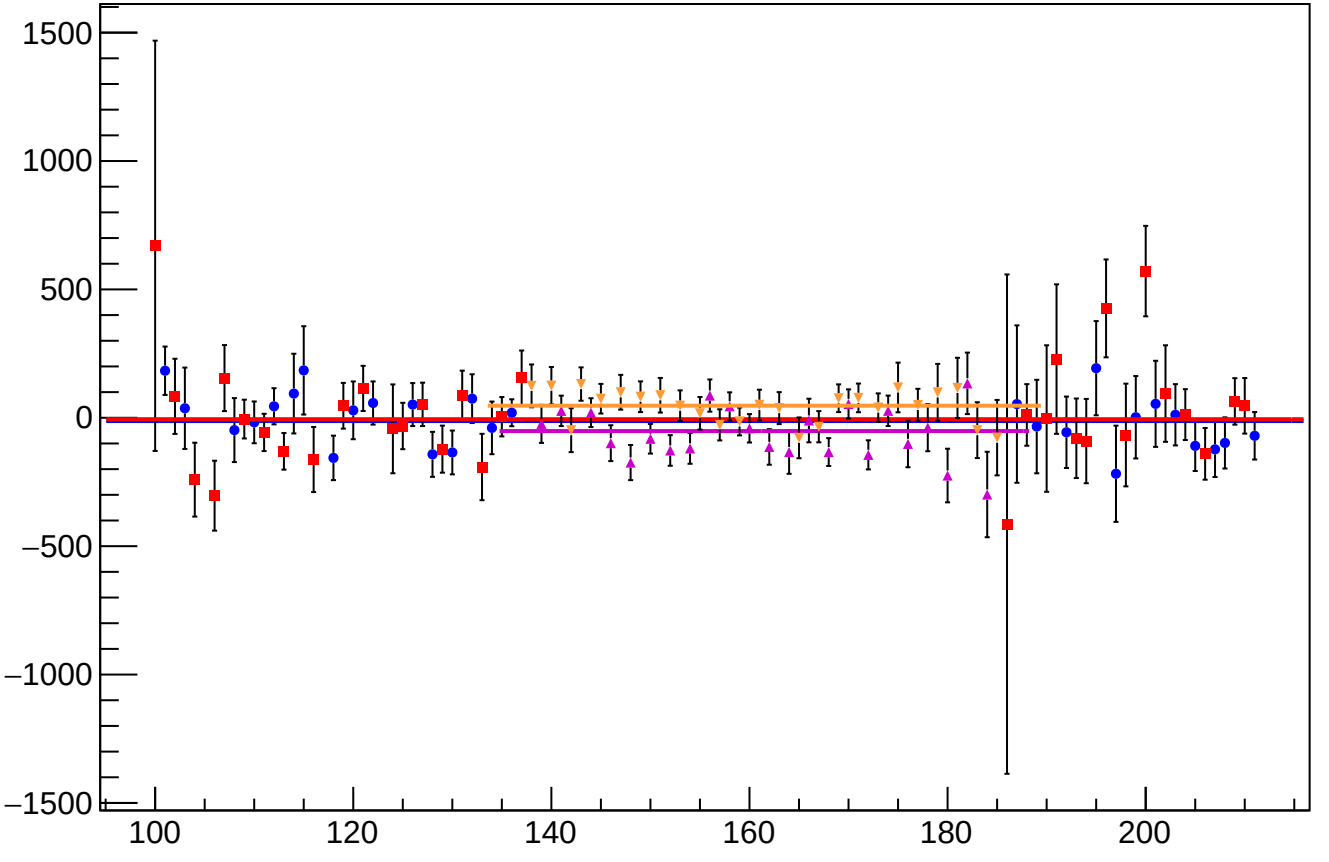
Left In: 349.813+/-0.059 χ^2/NDF:990366.6/22

+ sign 406.369+/-0.052 χ^2/NDF: 9783388.8/52

All: 408.640+/-0.037 χ^2/NDF: 21117171.9/10

- sign 410.988+/-0.053 χ^2/NDF: 11329858.2/55

eigen_dit_asym_sam_1357_avg_mean vs Slug



Right In: -12.631+/-19.309 χ^2/NDF: 22.6/27

Left Out: 47.151+/-13.511 χ^2/NDF:17.0/24

Right Out: -5.474+/-19.524 χ^2/NDF: 45.1/32

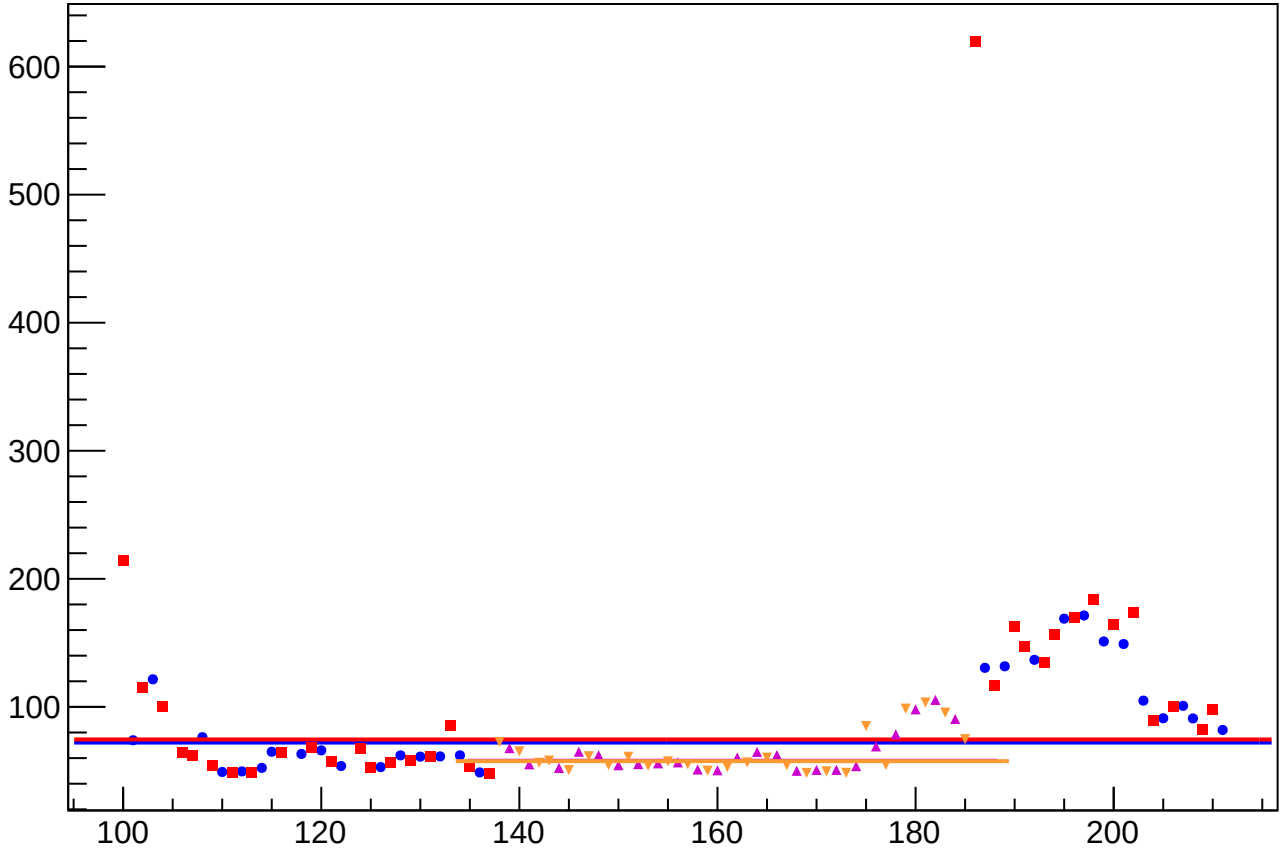
Left In: -51.651+/-13.934 χ^2/NDF:38.2/22

+ sign 27.502+/-11.070 χ^2/NDF: 46.1/52

All: -3.514+/-7.922 χ^2/NDF: 149.2/108

- sign -36.069+/-11.342 χ^2/NDF: 87.0/55

eigen_dit_asym_sam_1357_avg_rms vs Slug



Right In: 72.137+/-0.014 χ^2/NDF: 4524835.4/27

Left Out: 57.631+/-0.010 χ^2/NDF:1365443.1/24

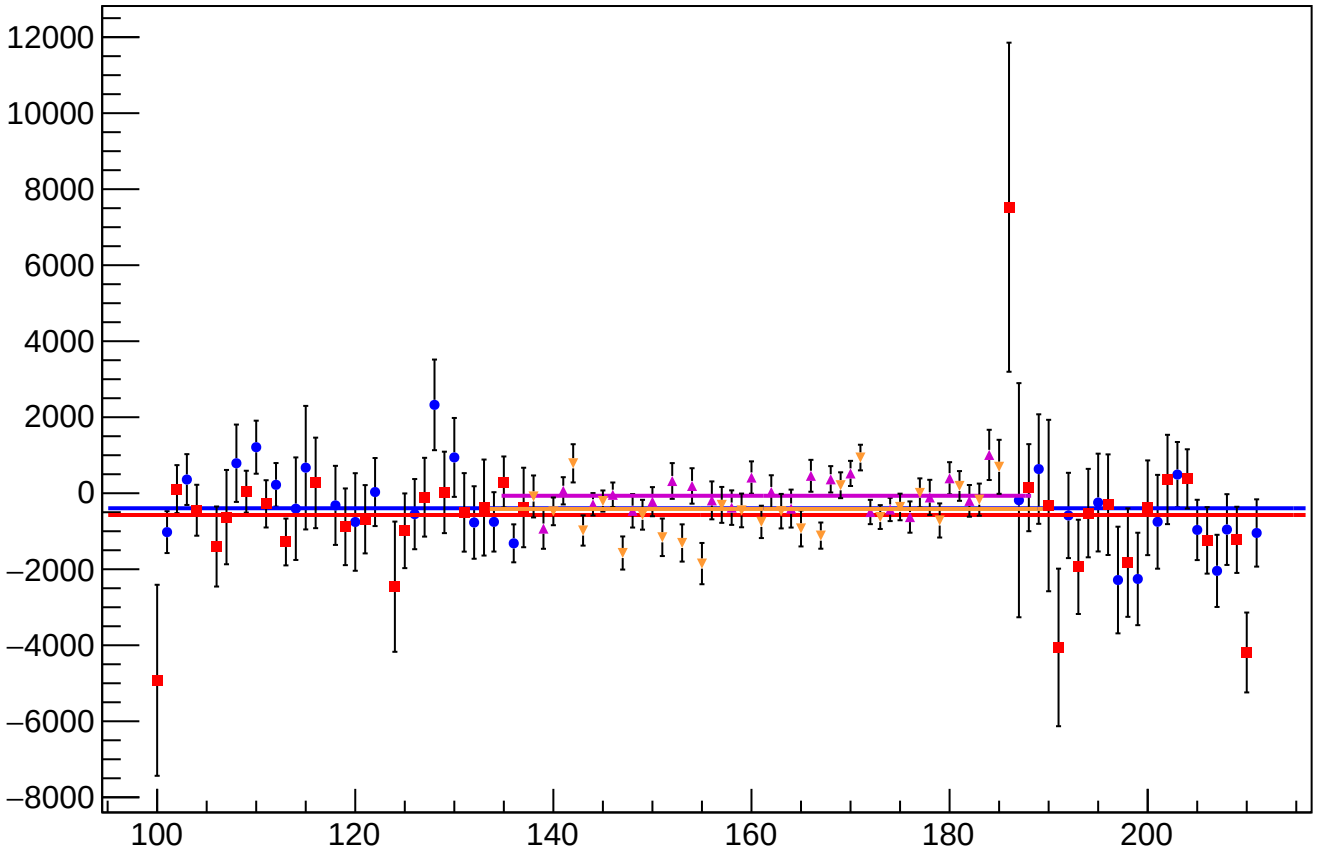
Right Out: 74.552+/-0.014 χ^2/NDF: 6110454.5/32

Left In: 57.940+/-0.010 χ^2/NDF:1124509.8/22

+ sign 62.399+/-0.008 χ^2/NDF: 6648040.5/52

All: 62.959+/-0.006 χ^2/NDF: 14852805.0/108

- sign 63.546+/-0.008 χ^2/NDF: 8194291.3/55



Right In: -395.058+/-168.640 χ^2/NDF: 32.1/27

Left Out: -413.053+/-81.134 χ^2/NDF:61.3/24

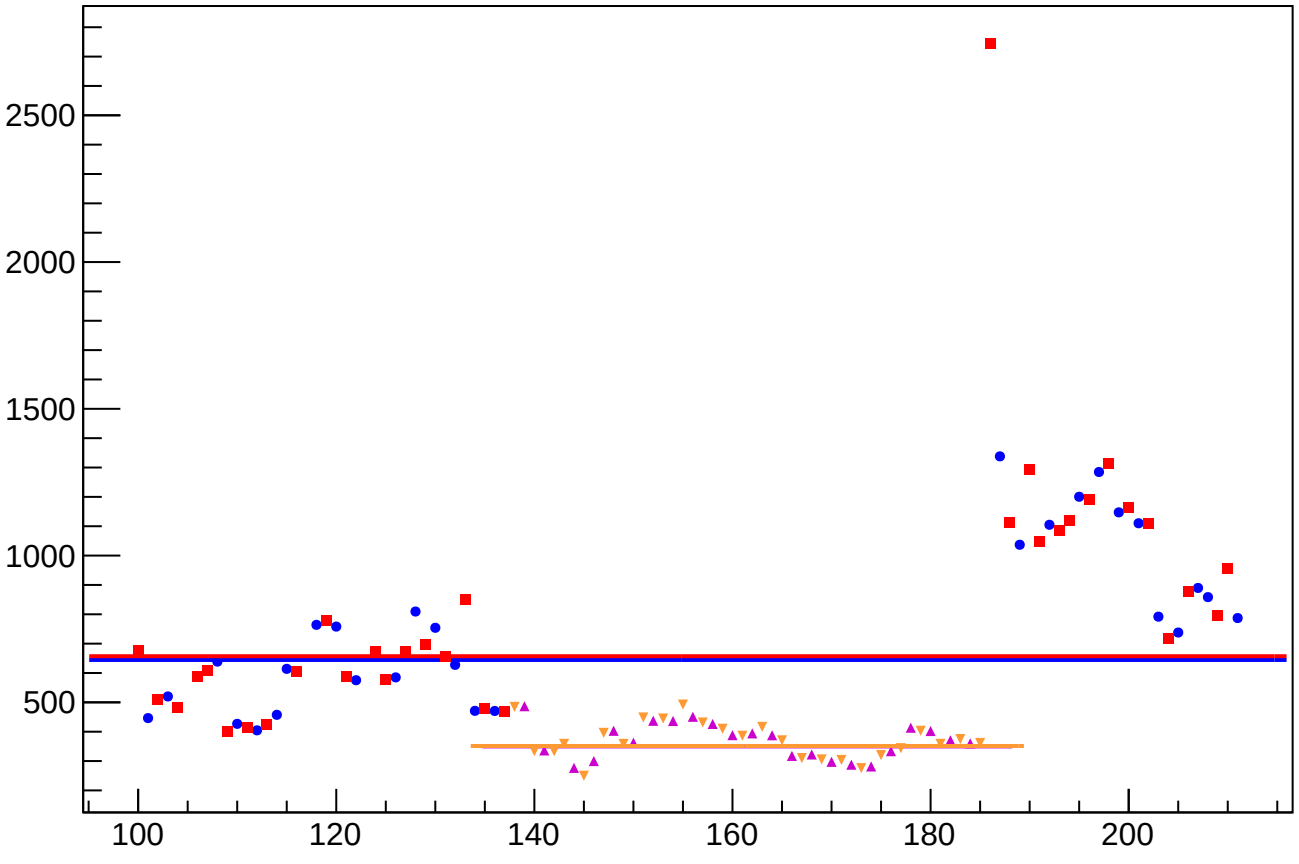
Right Out: -572.337+/-166.650 χ^2/NDF: 35.7/32

Left In: -66.637+/-83.082 χ^2/NDF:22.9/22

+ sign -409.671+/-73.113 χ^2/NDF: 93.4/52

All: -290.528+/-52.132 χ^2/NDF: 164.8/108

- sign -167.305+/-74.354 χ^2/NDF: 66.0/55



Right In: 644.436+/-0.119 χ^2/NDF: 3756812.3/27

Left Out: 351.264+/-0.057 χ^2/NDF:1118243.1/24

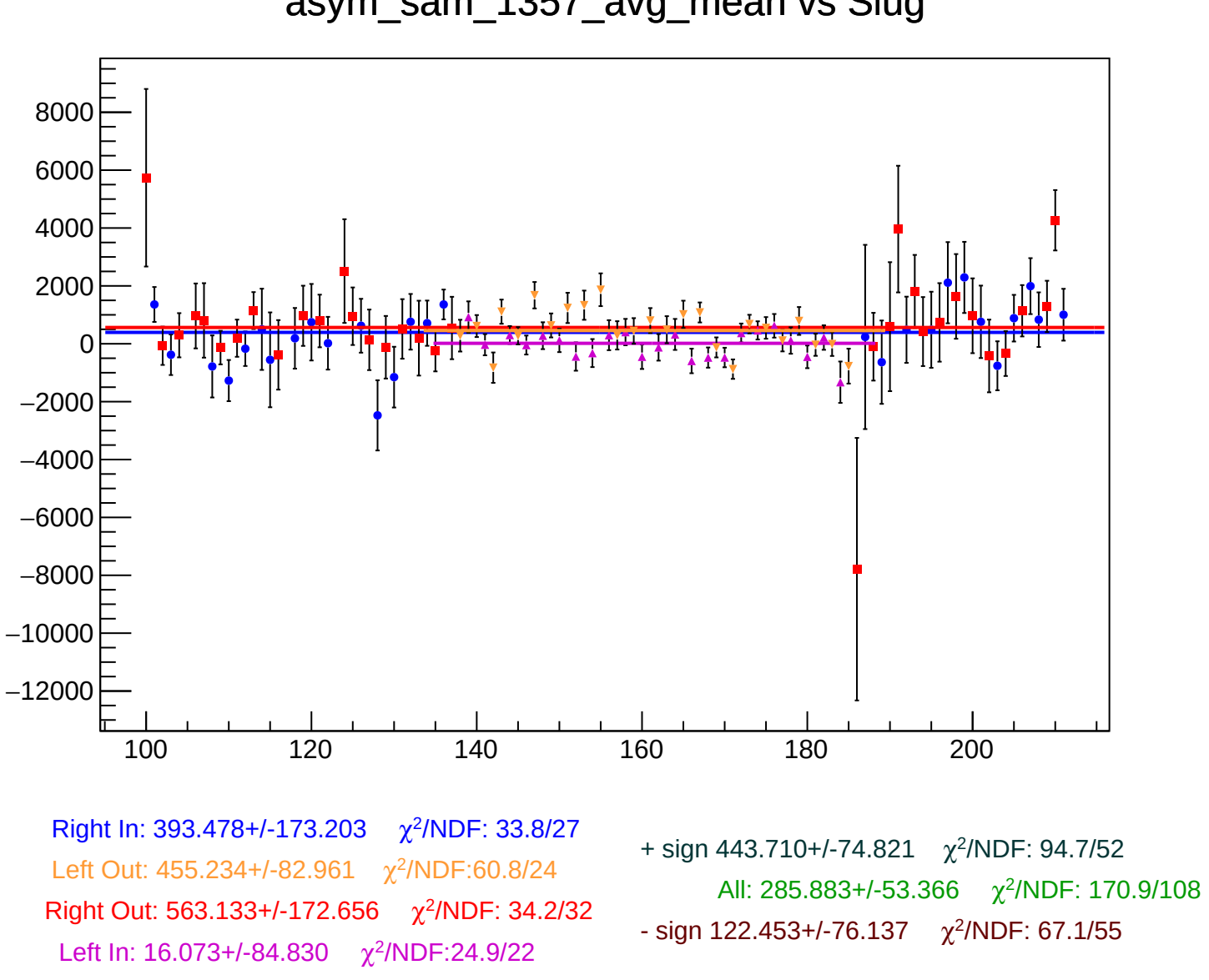
Right Out: 657.123+/-0.118 χ^2/NDF: 4892279.7/32

Left In: 349.813+/-0.059 χ^2/NDF:990359.9/22

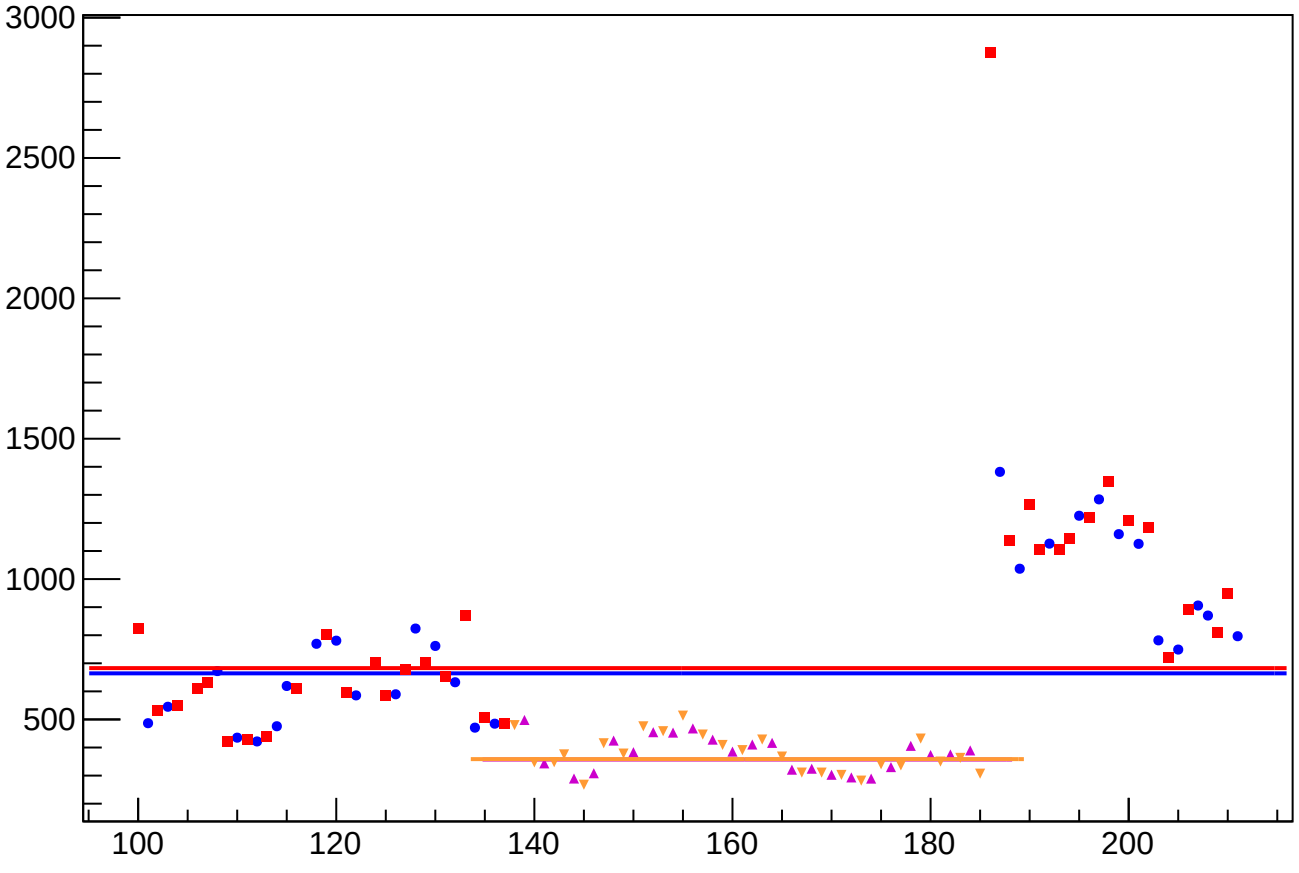
+ sign 406.369+/-0.052 χ^2/NDF: 9783381.9/52

All: 408.639+/-0.037 χ^2/NDF: 21117146.3/10

- sign 410.988+/-0.053 χ^2/NDF: 11329839.3/55


asym_sam_1357_avg_mean vs Slug
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
−12000
100
120
140
160
180
200
Right In: 393.478+/-173.203 χ²/NDF: 33.8/27
Left Out: 455.234+/-82.961 χ²/NDF:60.8/24
Right Out: 563.133+/-172.656 χ²/NDF: 34.2/32
Left In: 16.073+/-84.830 χ²/NDF:24.9/22
+ sign 443.710+/-74.821 χ²/NDF: 94.7/52
All: 285.883+/-53.366 χ²/NDF: 170.9/108
- sign 122.453+/-76.137 χ²/NDF: 67.1/55

asym_sam_1357_avg_rms vs Slug



Right In: 664.208+/-0.122 χ^2/NDF: 3526589.0/27

Left Out: 358.677+/-0.059 χ^2/NDF:1119535.1/24

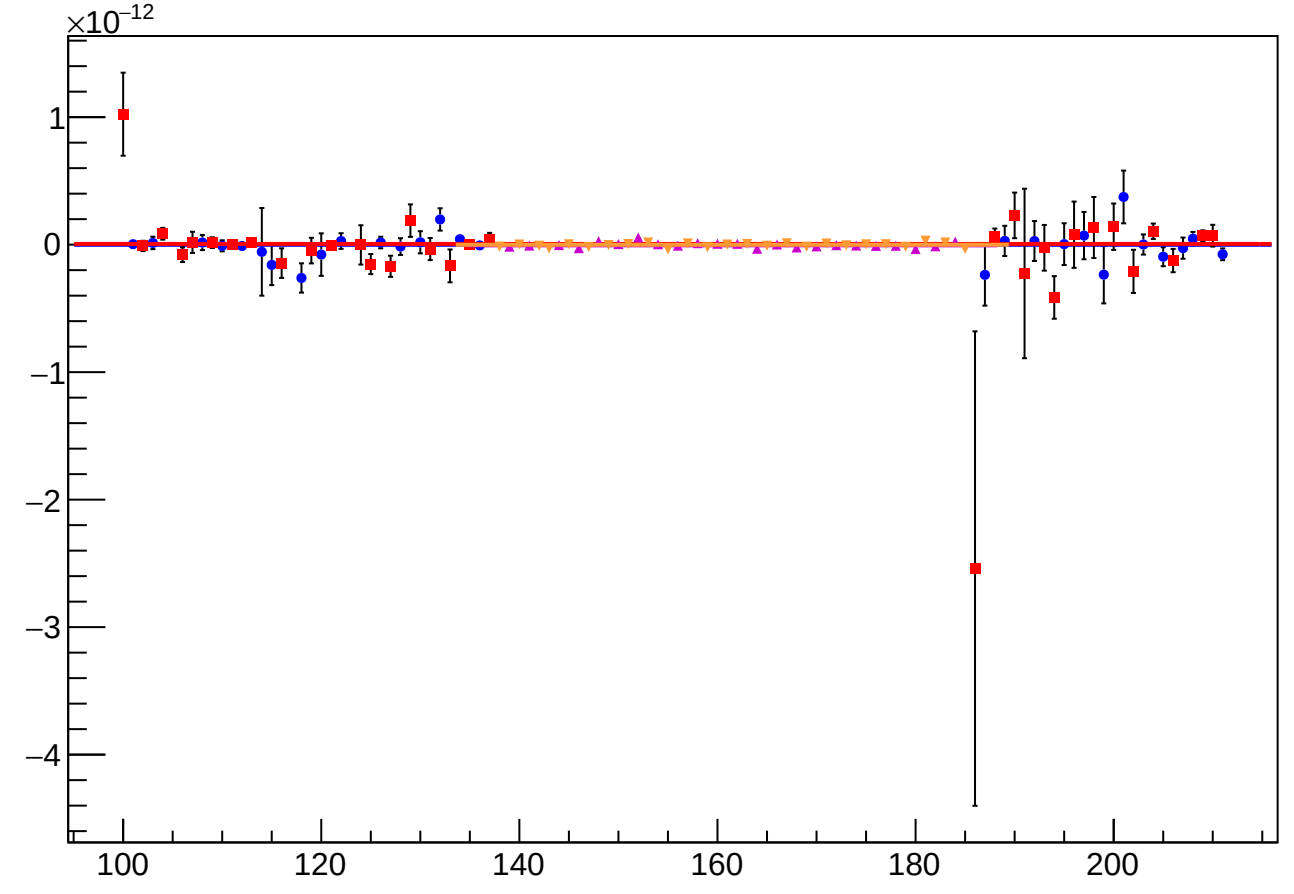
Right Out: 682.831+/-0.122 χ^2/NDF: 4665862.0/32

Left In: 357.182+/-0.060 χ^2/NDF:981641.8/22

+ sign 415.692+/-0.053 χ^2/NDF: 9708215.7/52

All: 418.058+/-0.038 χ^2/NDF: 21091083.3/10

- sign 420.508+/-0.054 χ^2/NDF: 11378796.9/55



Right In: -0.000+/-0.000 χ^2/NDF: 24.4/27

Left Out: -0.000+/-0.000 χ^2/NDF:18.2/24

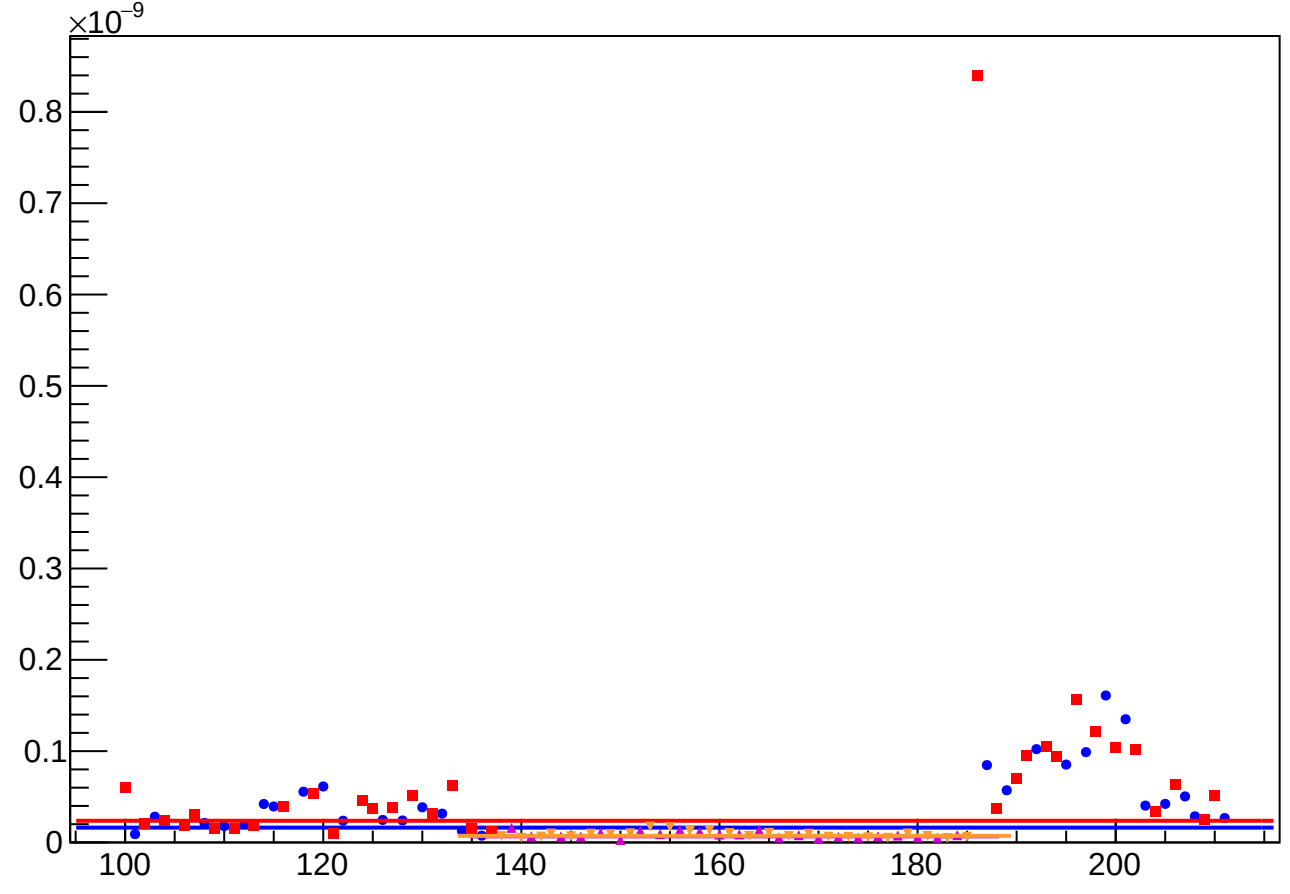
Right Out: 0.000+/-0.000 χ^2/NDF: 50.9/32

Left In: -0.000+/-0.000 χ^2/NDF:28.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 42.5/52

All: -0.000+/-0.000 χ^2/NDF: 124.0/108

- sign -0.000+/-0.000 χ^2/NDF: 80.4/55



Right In: 0.000+/-0.000 χ^2/NDF: 6247240.9/27

Left Out: 0.000+/-0.000 χ^2/NDF:1438289.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5354561.8/32

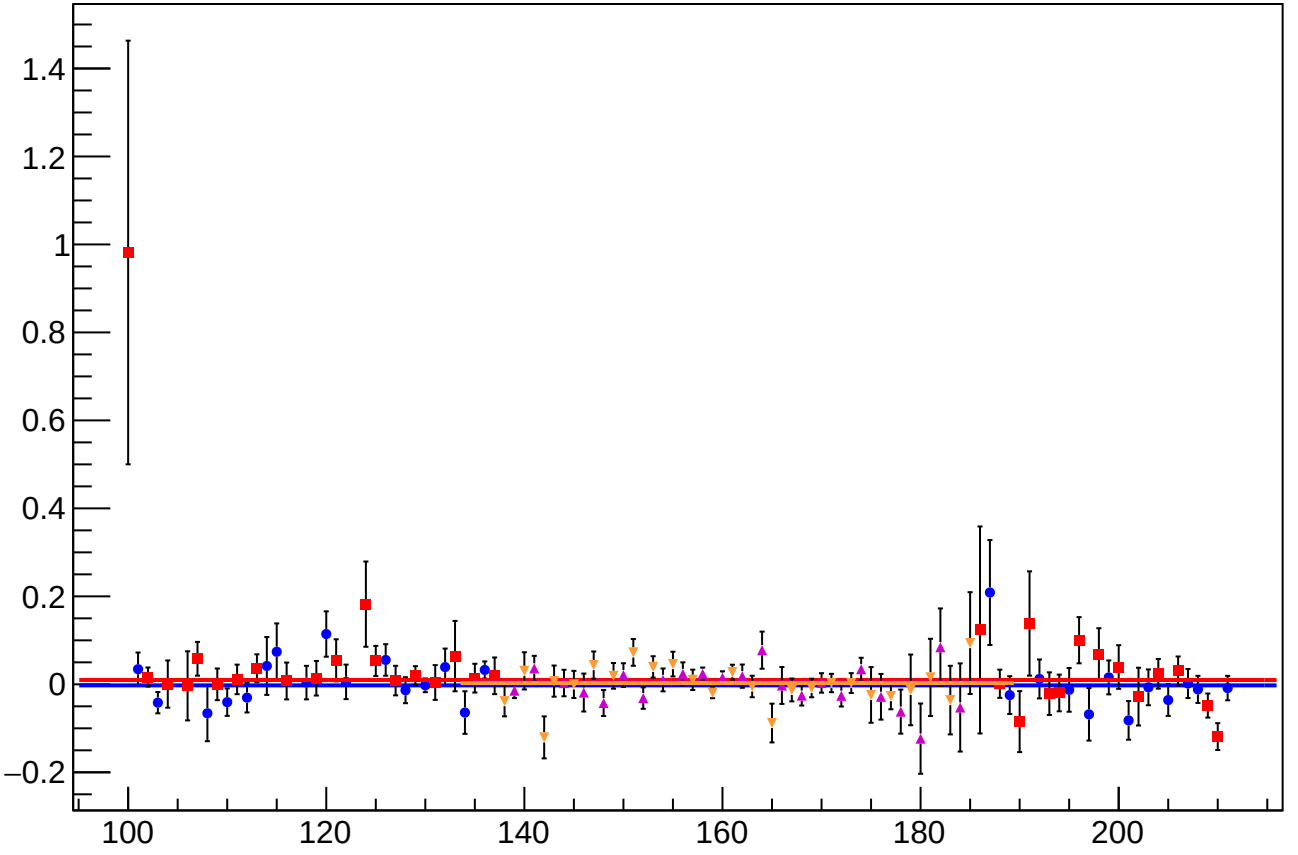
Left In: 0.000+/-0.000 χ^2/NDF:1746143.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 9681178.8/52

All: 0.000+/-0.000 χ^2/NDF: 21338127.7/108

- sign 0.000+/-0.000 χ^2/NDF: 11630654.8/55

asym_sam_1357_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.002+/-0.006 χ^2/NDF: 31.7/27

Left Out: 0.003+/-0.005 χ^2/NDF:32.8/24

Right Out: 0.010+/-0.007 χ^2/NDF: 44.7/32

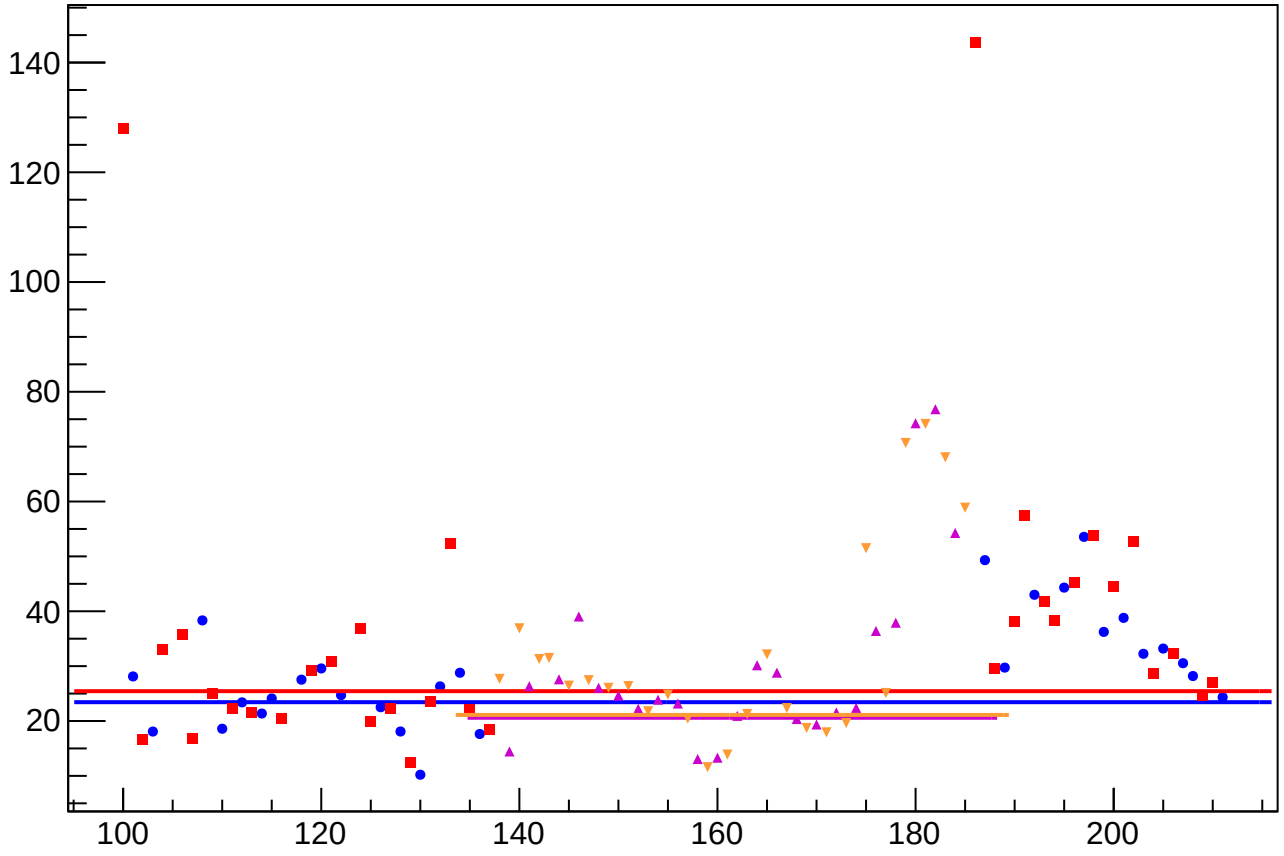
Left In: 0.004+/-0.005 χ^2/NDF:24.6/22

+ sign 0.001+/-0.004 χ^2/NDF: 64.8/52

All: 0.003+/-0.003 χ^2/NDF: 135.5/108

- sign 0.006+/-0.004 χ^2/NDF: 69.7/55

asym_sam_1357_avg_dit_vs_cor_diff_rms vs Slug



Right In: 23.431+/-0.005 χ^2/NDF: 4299262.6/27

Left Out: 21.109+/-0.004 χ^2/NDF:5546528.5/24

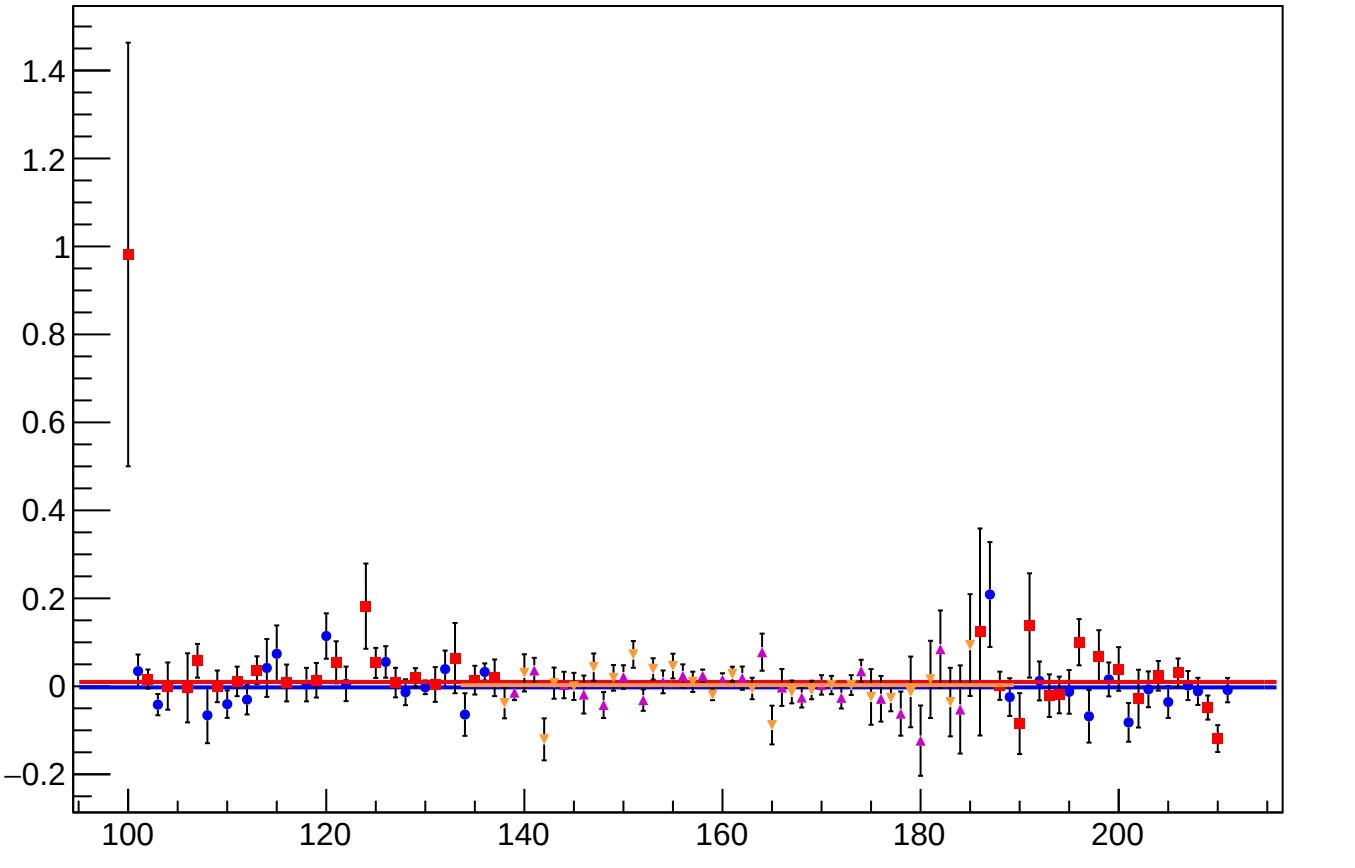
Right Out: 25.439+/-0.005 χ^2/NDF: 4547153.7/32

Left In: 20.591+/-0.004 χ^2/NDF:4599493.5/22

+ sign 22.077+/-0.003 χ^2/NDF: 9997021.9/52

All: 22.279+/-0.002 χ^2/NDF: 19776030.1/108

- sign 22.489+/-0.003 χ^2/NDF: 9769400.6/55



Right In: -0.002+/-0.006 χ^2/NDF: 31.7/27

Left Out: 0.003+/-0.005 χ^2/NDF:32.8/24

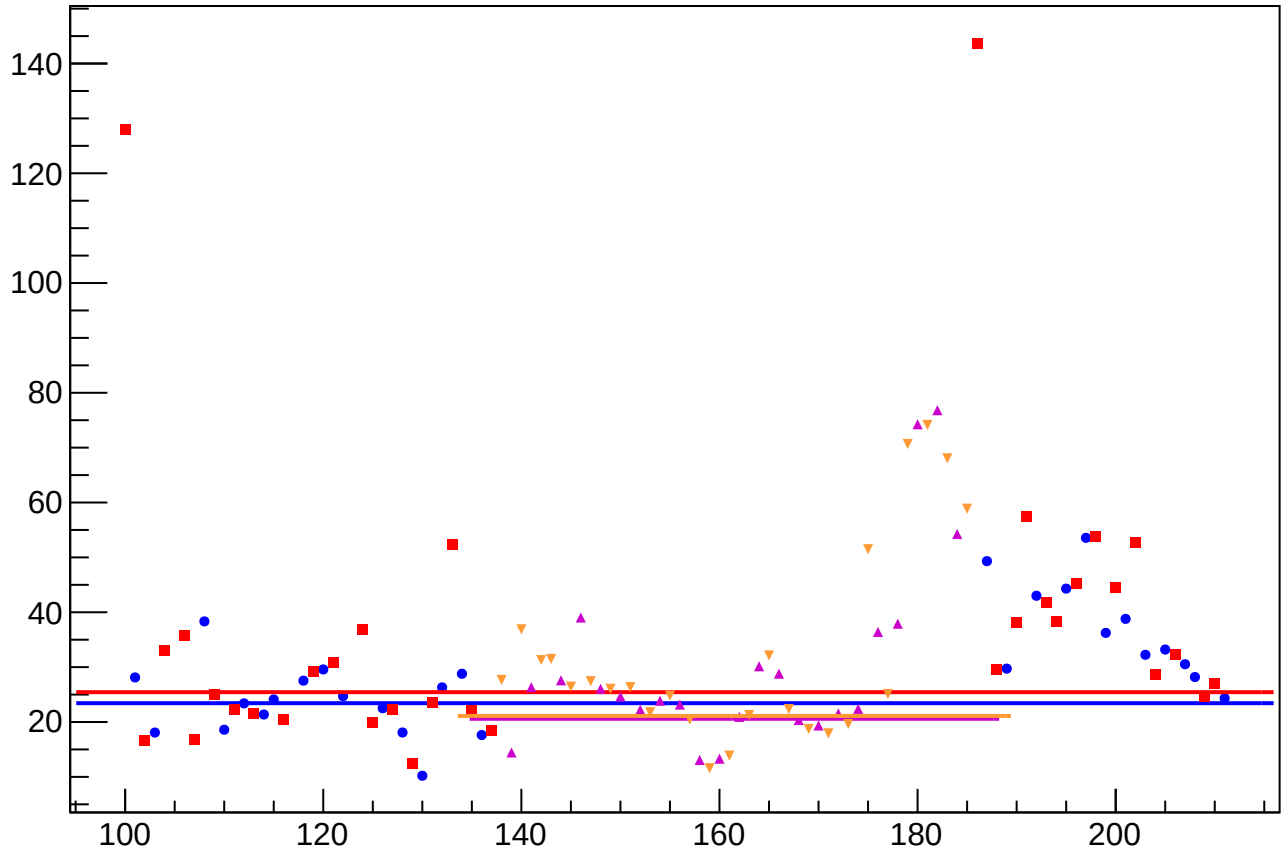
Right Out: 0.010+/-0.007 χ^2/NDF: 44.7/32

Left In: 0.004+/-0.005 χ^2/NDF:24.6/22

+ sign 0.001+/-0.004 χ^2/NDF: 64.8/52

All: 0.003+/-0.003 χ^2/NDF: 135.5/108

- sign 0.006+/-0.004 χ^2/NDF: 69.7/55



Right In: 23.431+/-0.005 χ^2/NDF: 4299262.6/27

Left Out: 21.109+/-0.004 χ^2/NDF:5546528.5/24

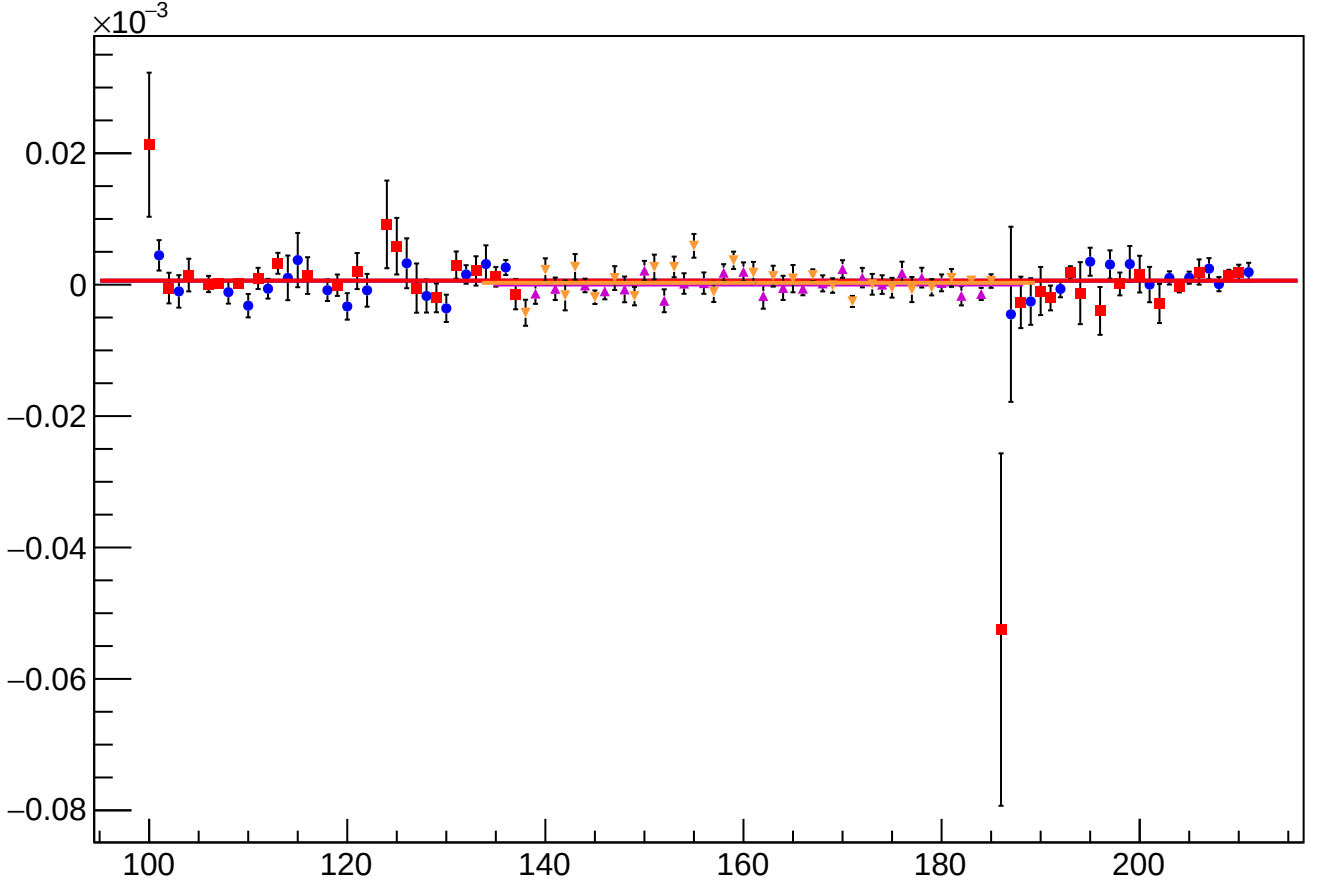
Right Out: 25.439+/-0.005 χ^2/NDF: 4547153.7/32

Left In: 20.591+/-0.004 χ^2/NDF:4599493.5/22

+ sign 22.077+/-0.003 χ^2/NDF: 9997021.9/52

All: 22.279+/-0.002 χ^2/NDF: 19776030.1/108

- sign 22.489+/-0.003 χ^2/NDF: 9769400.6/55



Right In: 0.000+/-0.000 χ^2/NDF: 33.4/27

Left Out: 0.000+/-0.000 χ^2/NDF:52.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 31.1/32

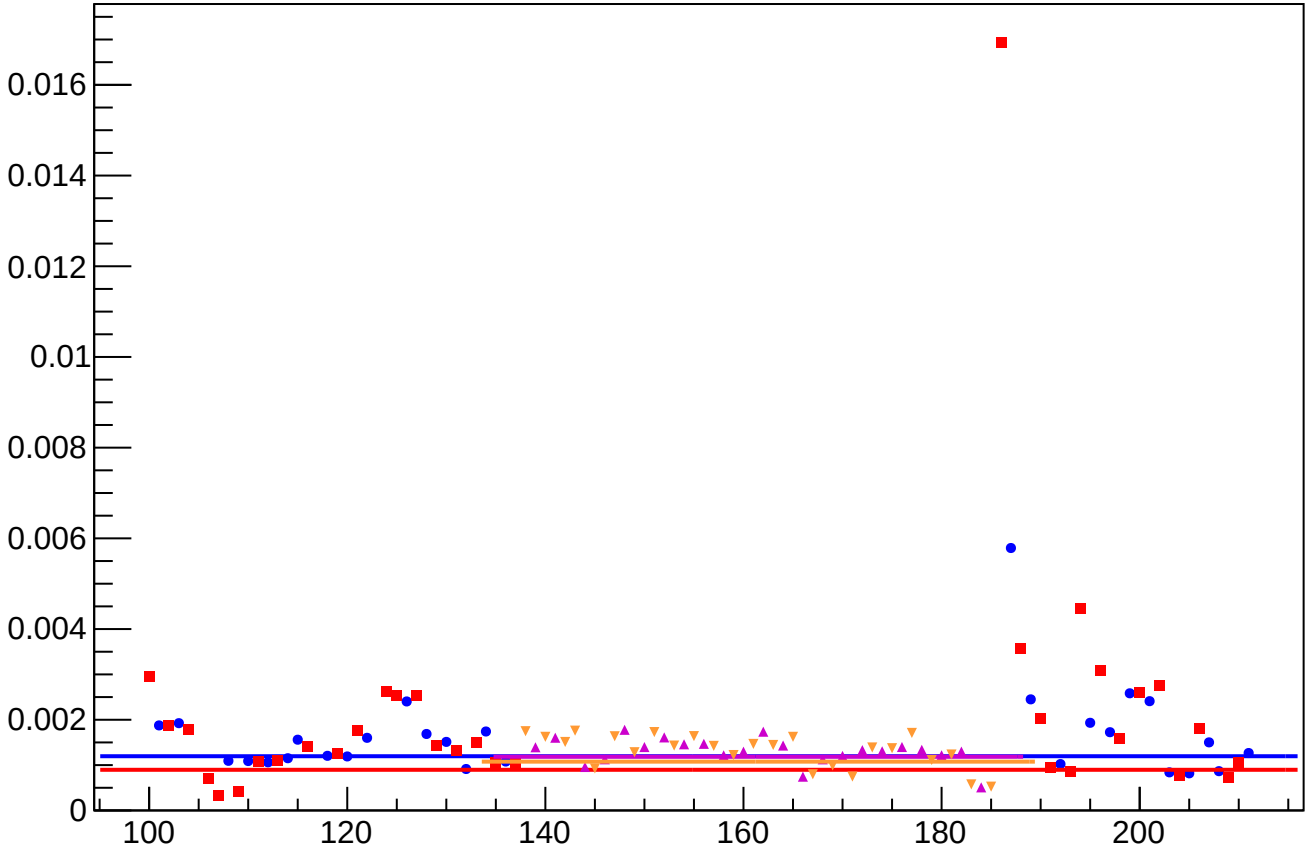
Left In: 0.000+/-0.000 χ^2/NDF:19.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 86.6/52

All: 0.000+/-0.000 χ^2/NDF: 139.8/108

- sign 0.000+/-0.000 χ^2/NDF: 53.2/55

asym_sam_1357_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 3593902.0/27

Left Out: 0.001+/-0.000 χ^2/NDF:4545392.2/24

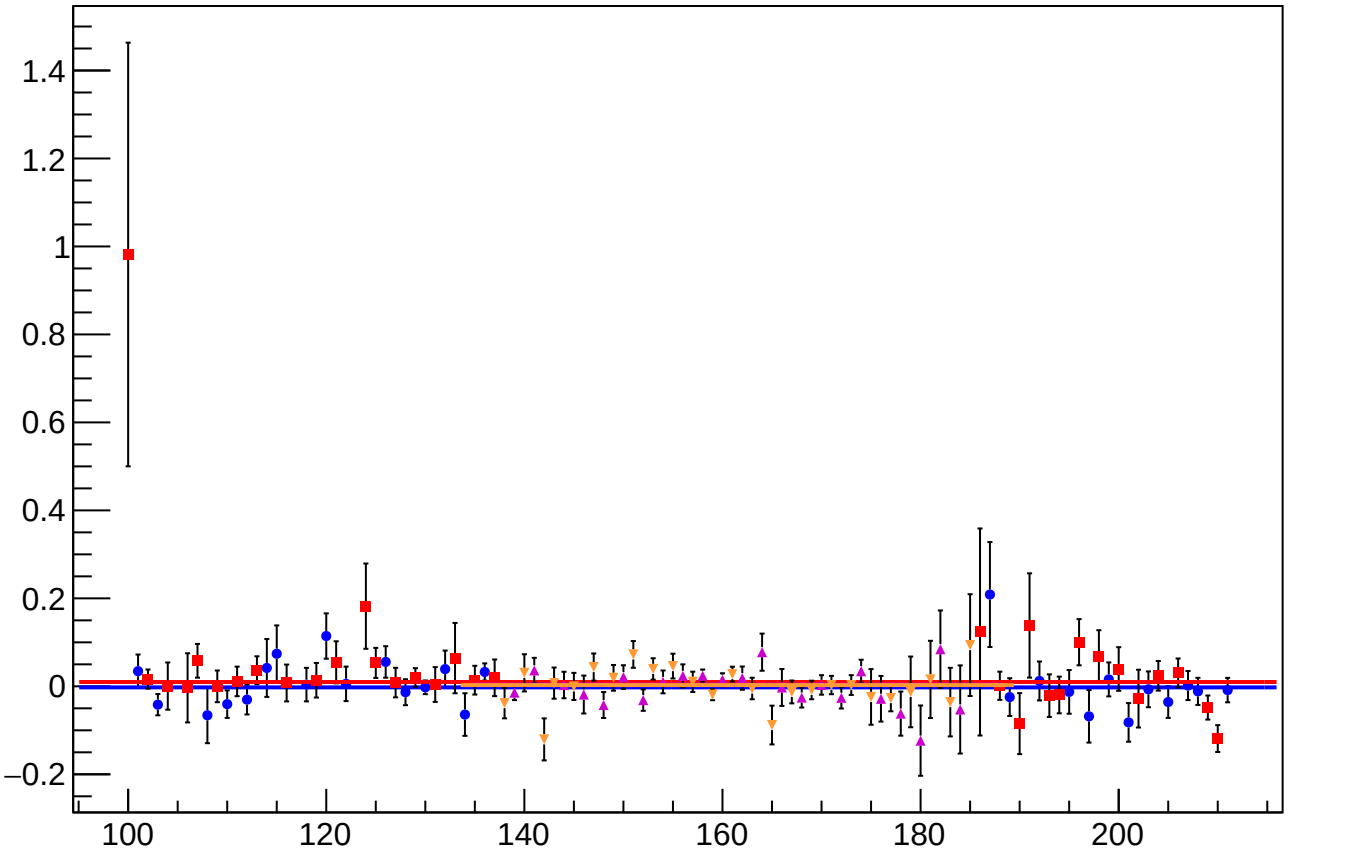
Right Out: 0.001+/-0.000 χ^2/NDF: 11171486.3/32

Left In: 0.001+/-0.000 χ^2/NDF:2456537.2/22

+ sign 0.001+/-0.000 χ^2/NDF: 8303342.3/52

All: 0.001+/-0.000 χ^2/NDF: 23270293.5/108

- sign 0.001+/-0.000 χ^2/NDF: 14724195.5/55



Right In: -0.002+/-0.006 χ^2/NDF: 31.7/27

Left Out: 0.003+/-0.005 χ^2/NDF:32.8/24

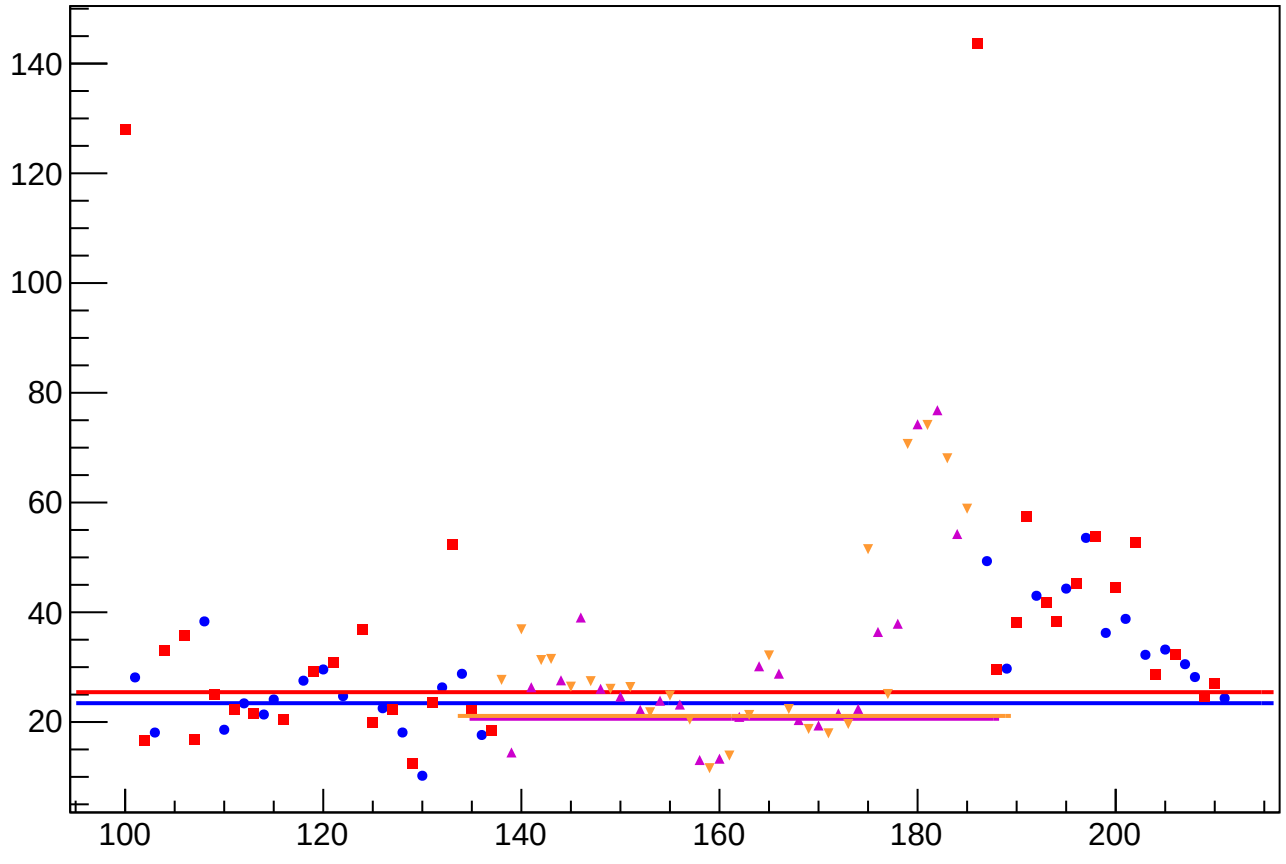
Right Out: 0.010+/-0.007 χ^2/NDF: 44.7/32

Left In: 0.004+/-0.005 χ^2/NDF:24.6/22

+ sign 0.001+/-0.004 χ^2/NDF: 64.8/52

All: 0.003+/-0.003 χ^2/NDF: 135.5/108

- sign 0.006+/-0.004 χ^2/NDF: 69.7/55



Right In: 23.431+/-0.005 χ^2/NDF: 4298994.8/27

Left Out: 21.109+/-0.004 χ^2/NDF:5546663.4/24

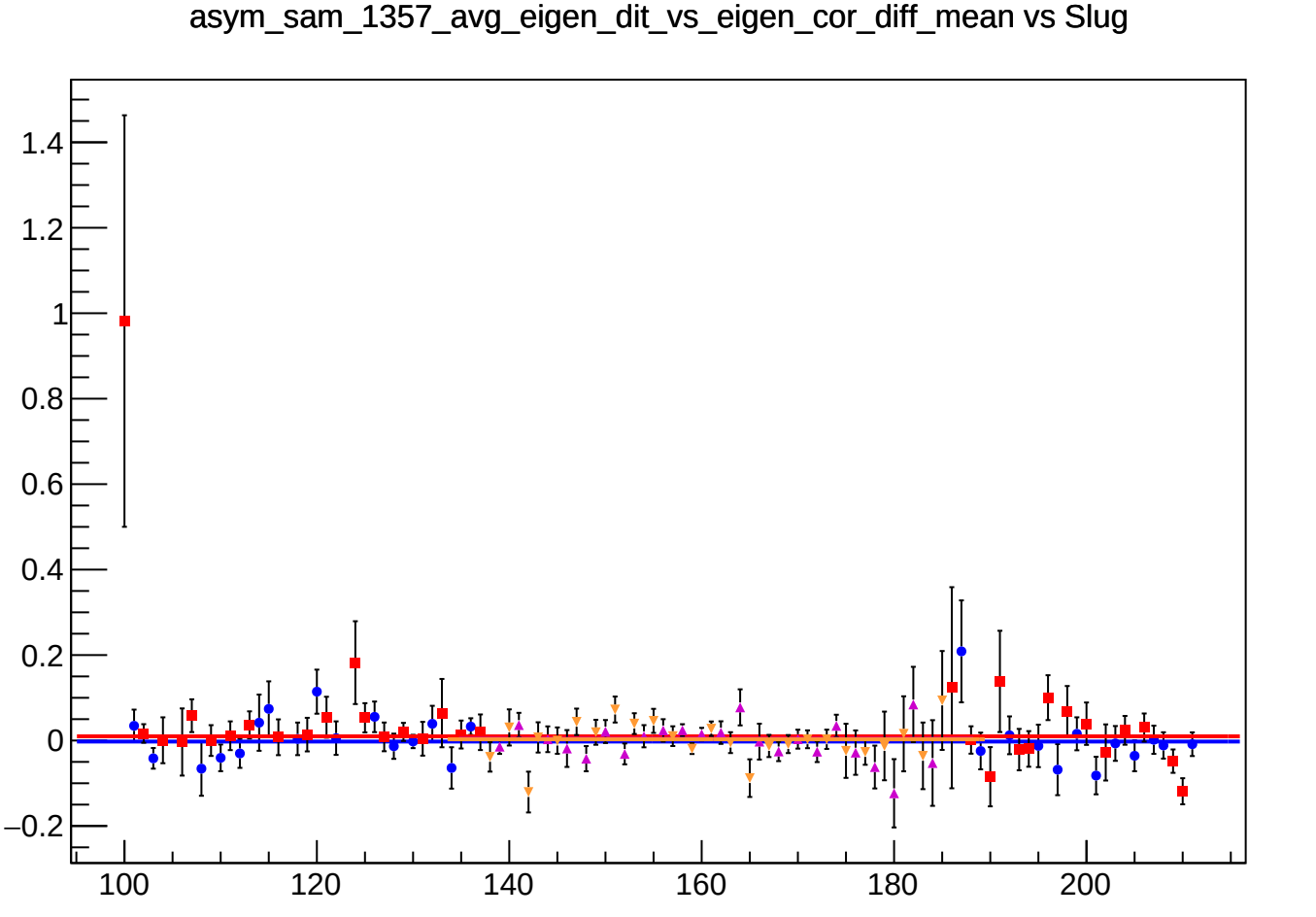
Right Out: 25.439+/-0.005 χ^2/NDF: 4547125.1/32

Left In: 20.592+/-0.004 χ^2/NDF:4599496.2/22

+ sign 22.077+/-0.003 χ^2/NDF: 9996931.7/52

All: 22.279+/-0.002 χ^2/NDF: 19775884.9/108

- sign 22.489+/-0.003 χ^2/NDF: 9769345.0/55



Right In: -0.002+/-0.006 χ^2/NDF: 31.7/27

Left Out: 0.003+/-0.005 χ^2/NDF:32.8/24

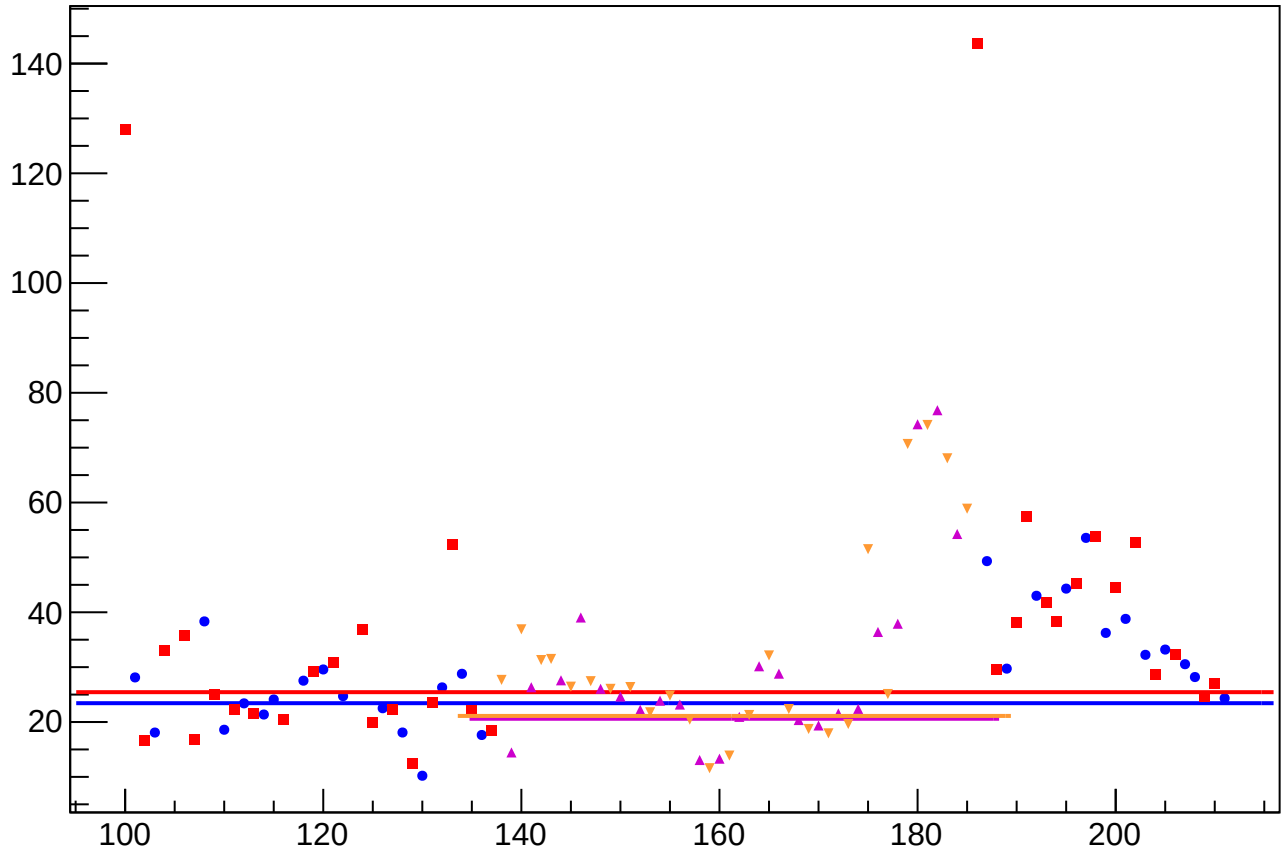
Right Out: 0.010+/-0.007 χ^2/NDF: 44.7/32

Left In: 0.004+/-0.005 χ^2/NDF:24.6/22

+ sign 0.001+/-0.004 χ^2/NDF: 64.8/52

All: 0.003+/-0.003 χ^2/NDF: 135.5/108

- sign 0.006+/-0.004 χ^2/NDF: 69.7/55



Right In: 23.431+/-0.005 χ^2/NDF: 4298994.8/27

Left Out: 21.109+/-0.004 χ^2/NDF:5546663.4/24

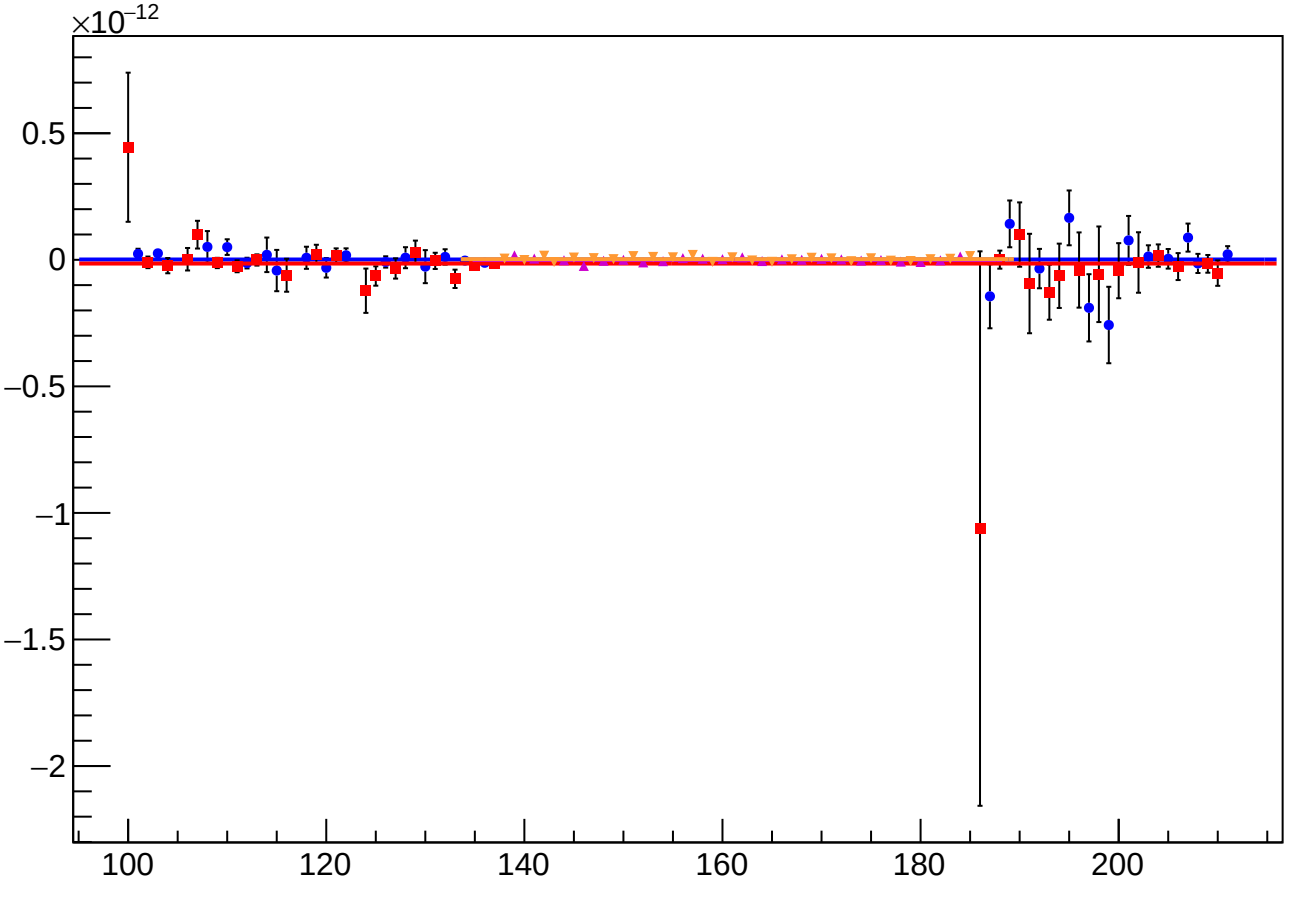
Right Out: 25.439+/-0.005 χ^2/NDF: 4547125.1/32

Left In: 20.592+/-0.004 χ^2/NDF:4599496.2/22

+ sign 22.077+/-0.003 χ^2/NDF: 9996931.7/52

All: 22.279+/-0.002 χ^2/NDF: 19775884.9/108

- sign 22.489+/-0.003 χ^2/NDF: 9769345.0/55



Right In: 0.000+/-0.000 χ^2/NDF: 25.4/27

Left Out: 0.000+/-0.000 χ^2/NDF:20.6/24

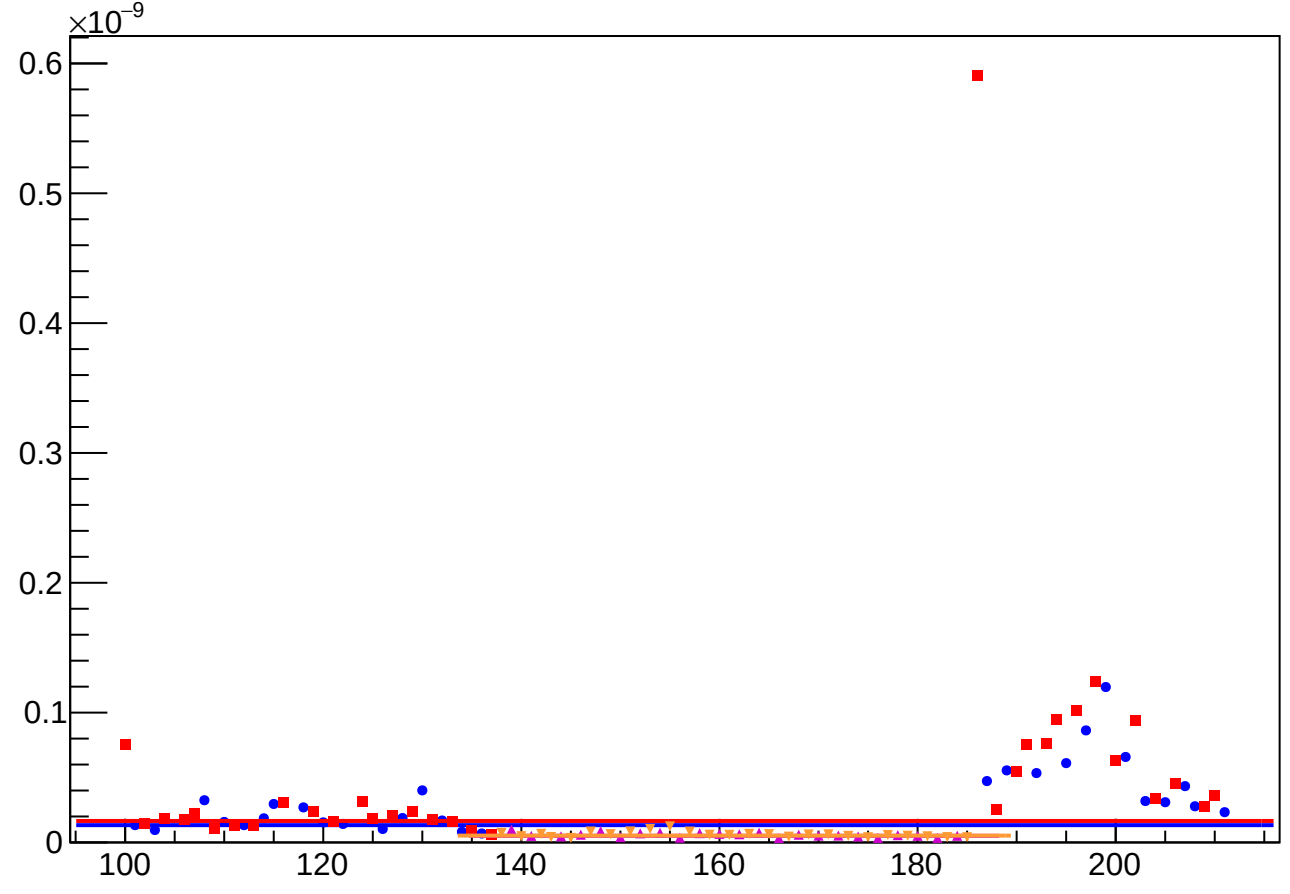
Right Out: -0.000+/-0.000 χ^2/NDF: 22.2/32

Left In: -0.000+/-0.000 χ^2/NDF:21.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 46.1/52

All: 0.000+/-0.000 χ^2/NDF: 98.5/108

- sign -0.000+/-0.000 χ^2/NDF: 48.6/55



Right In: 0.000+/-0.000 χ^2/NDF: 7776370.6/27

Left Out: 0.000+/-0.000 χ^2/NDF:2053779.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8147374.0/32

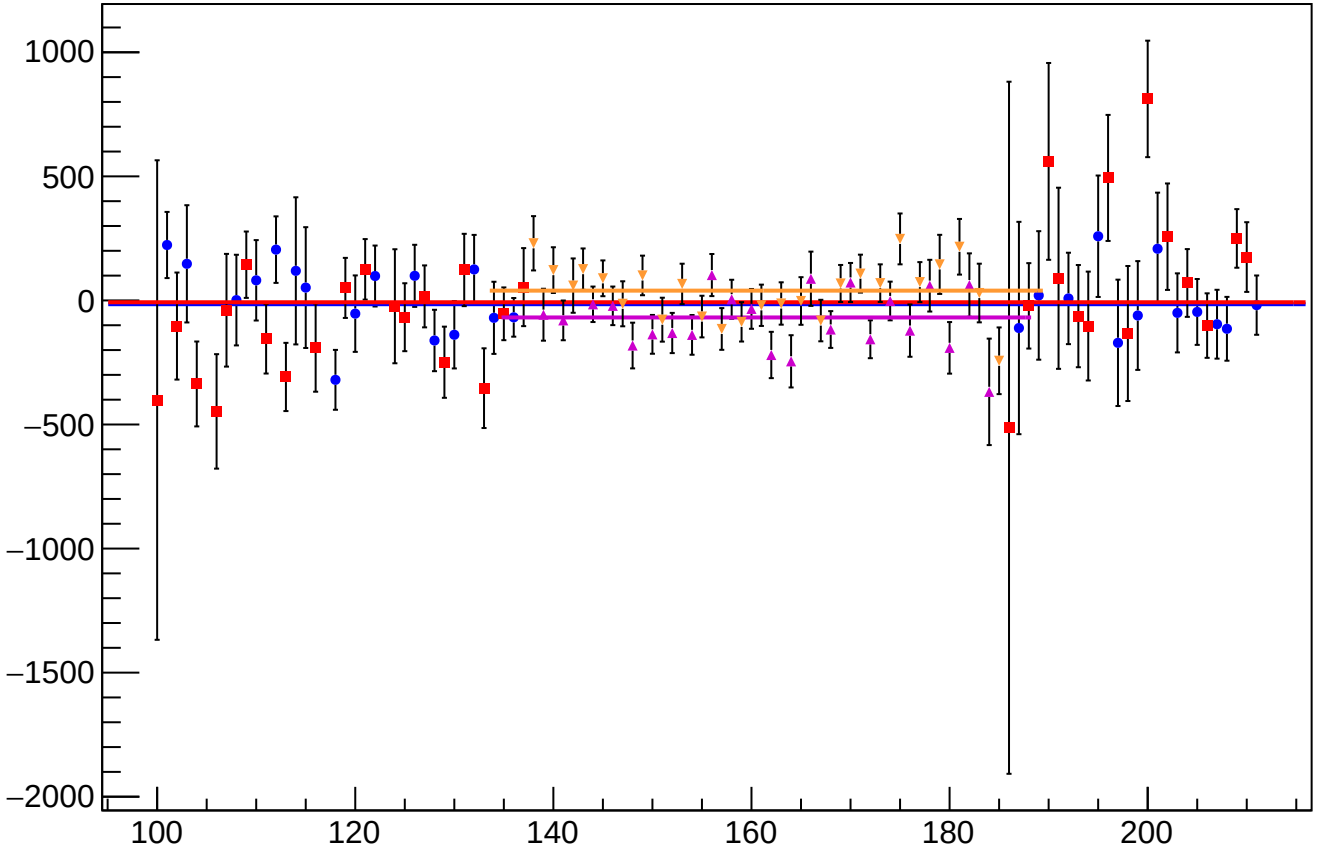
Left In: 0.000+/-0.000 χ^2/NDF:1700889.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 14099392.4/52

All: 0.000+/-0.000 χ^2/NDF: 30570441.6/108

- sign 0.000+/-0.000 χ^2/NDF: 16463947.0/55

reg_asym_sam_2468_avg_mean vs Slug



Right In: -15.169+/-28.266 χ^2/NDF: 22.8/27

Left Out: 39.477+/-17.666 χ^2/NDF:31.9/24

Right Out: -7.345+/-28.649 χ^2/NDF: 53.8/32

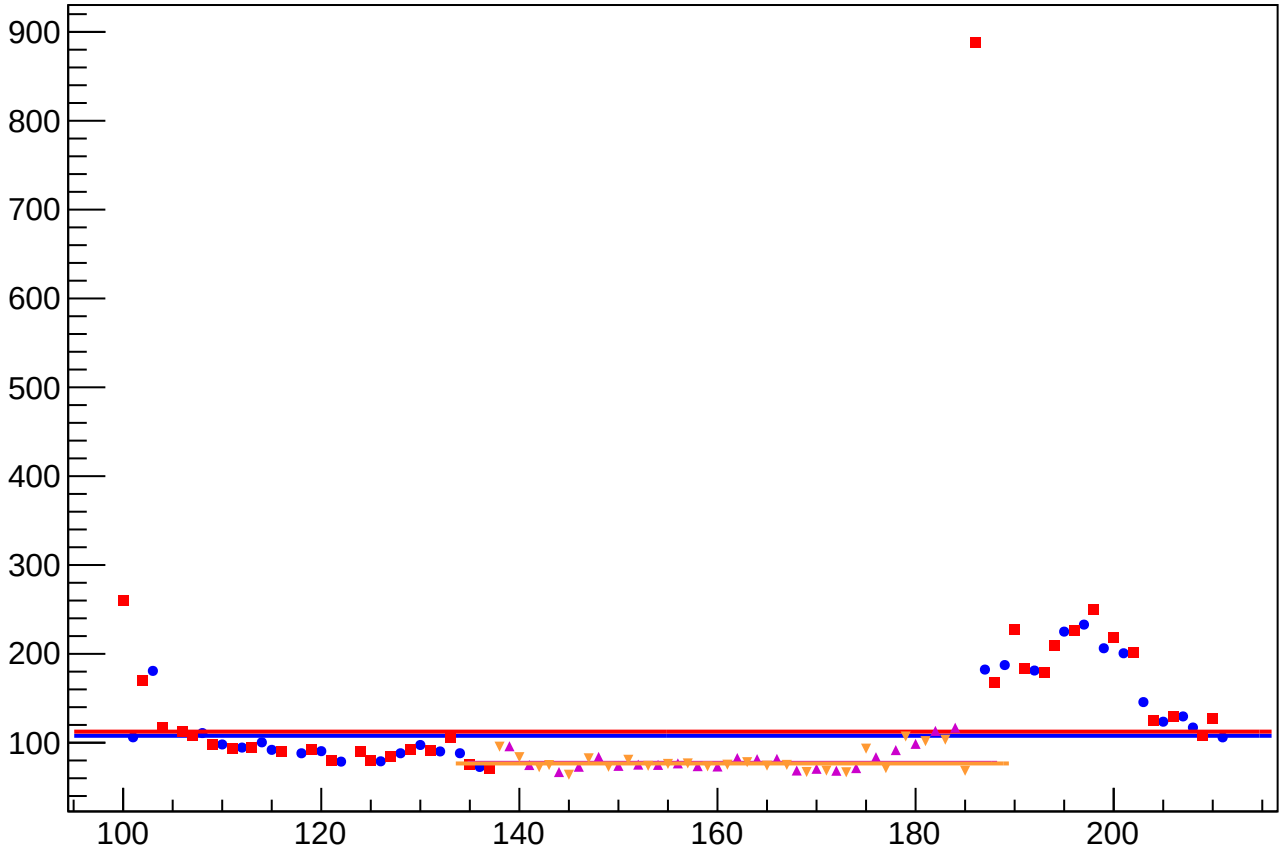
Left In: -68.620+/-18.317 χ^2/NDF:29.0/22

+ sign 24.127+/-14.981 χ^2/NDF: 57.4/52

All: -12.244+/-10.749 χ^2/NDF: 155.6/108

- sign -50.840+/-15.432 χ^2/NDF: 86.1/55

reg_asym_sam_2468_avg_rms vs Slug



Right In: 107.796+/-0.020 χ^2/NDF: 3514485.3/27

Left Out: 76.646+/-0.012 χ^2/NDF:654608.6/24

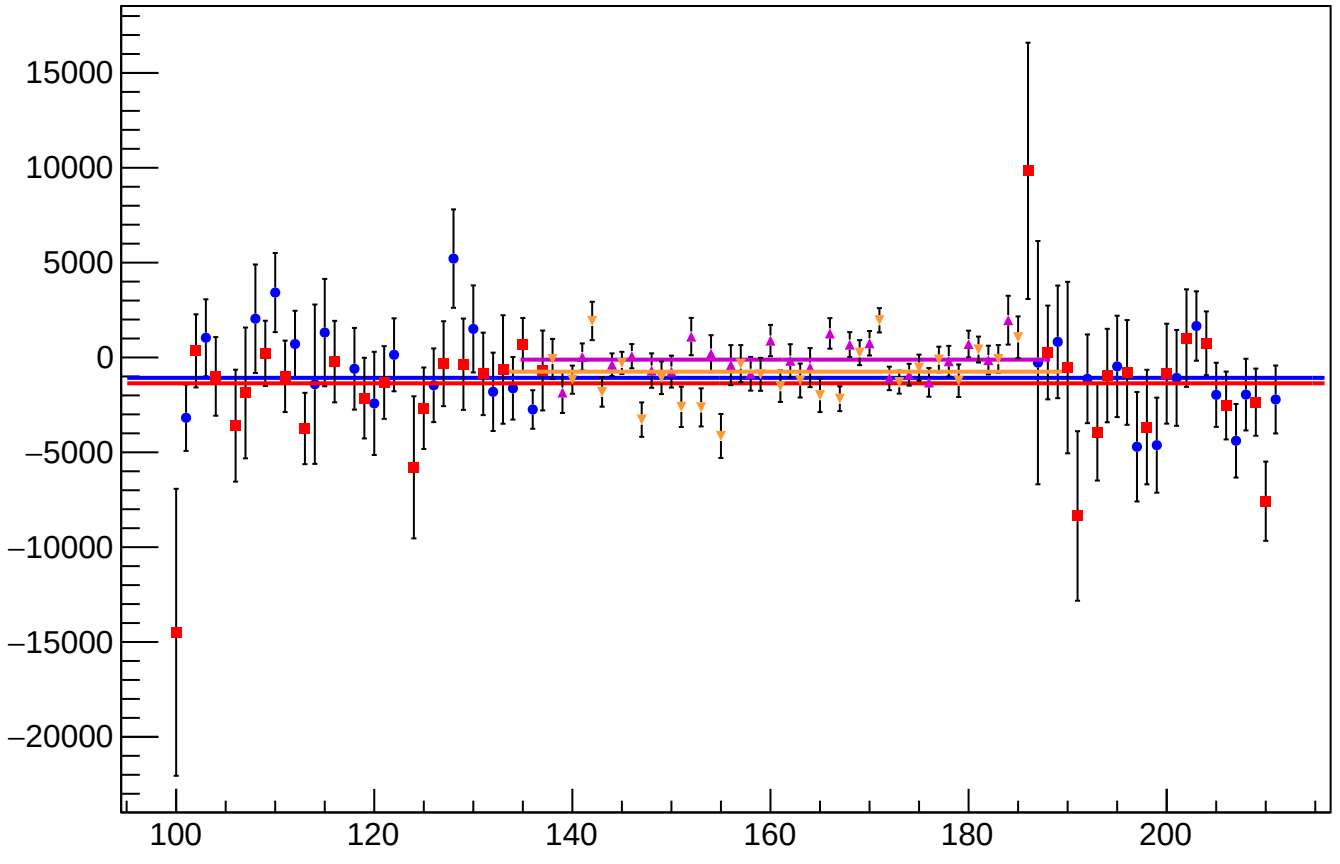
Right Out: 112.473+/-0.020 χ^2/NDF: 4633231.4/32

Left In: 77.348+/-0.013 χ^2/NDF:590414.8/22

+ sign 85.396+/-0.011 χ^2/NDF: 5915721.3/52

All: 86.437+/-0.008 χ^2/NDF: 13293305.7/108

- sign 87.541+/-0.011 χ^2/NDF: 7357705.4/55



Right In: -1073.539+/-388.397 χ^2/NDF: 31.1/27

Left Out: -749.641+/-158.081 χ^2/NDF:70.0/24

Right Out: -1361.909+/-394.893 χ^2/NDF: 31.2/32

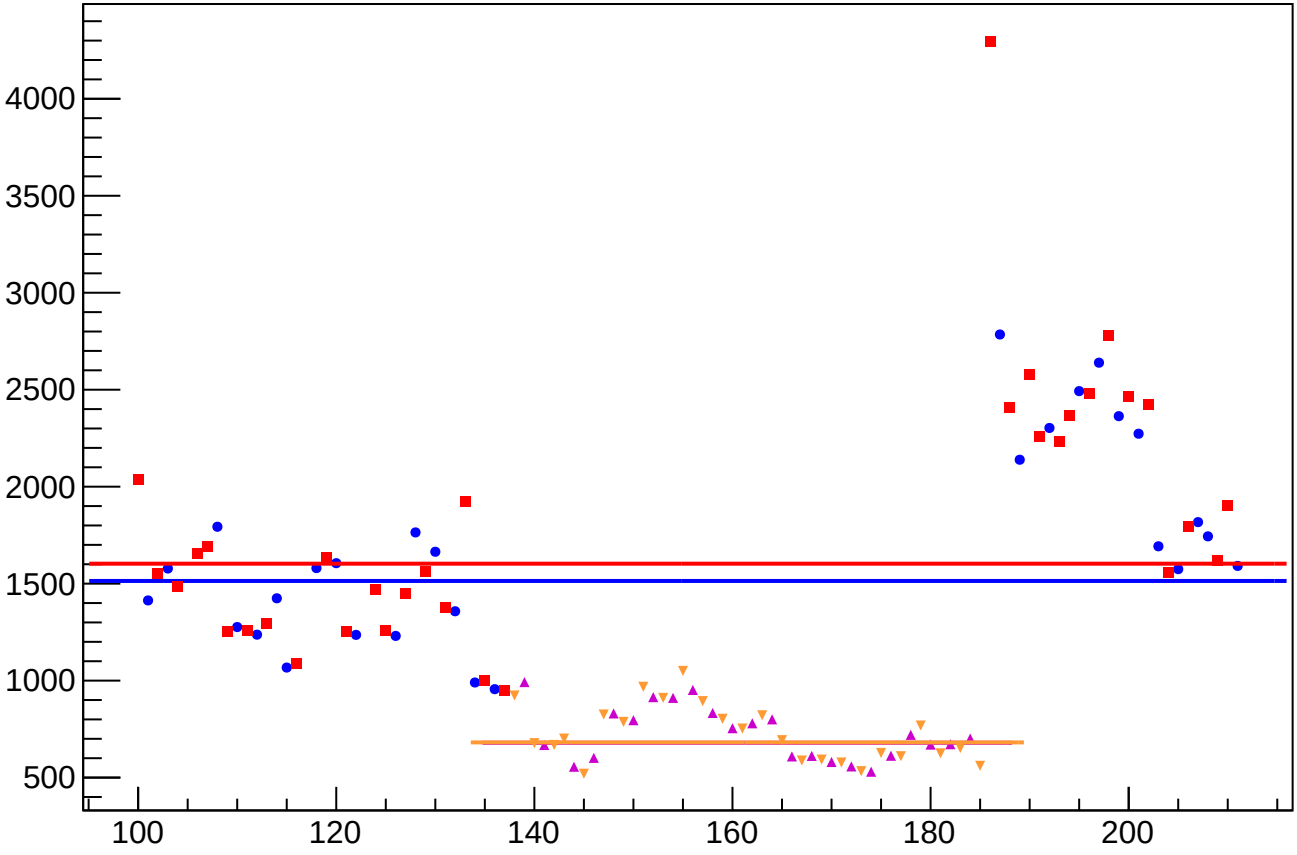
Left In: -113.799+/-161.809 χ^2/NDF:25.1/22

+ sign -795.671+/-146.418 χ^2/NDF: 101.6/52

All: -550.064+/-104.683 χ^2/NDF: 172.2/108

- sign -293.229+/-149.727 χ^2/NDF: 64.8/55

asym_sam_2468_avg_reg_correction_rms vs Slug



Right In: 1513.891+/-0.275 χ^2/NDF: 2568399.5/27

Left Out: 681.427+/-0.112 χ^2/NDF:1334213.4/24

Right Out: 1602.927+/-0.279 χ^2/NDF: 3042092.2/32

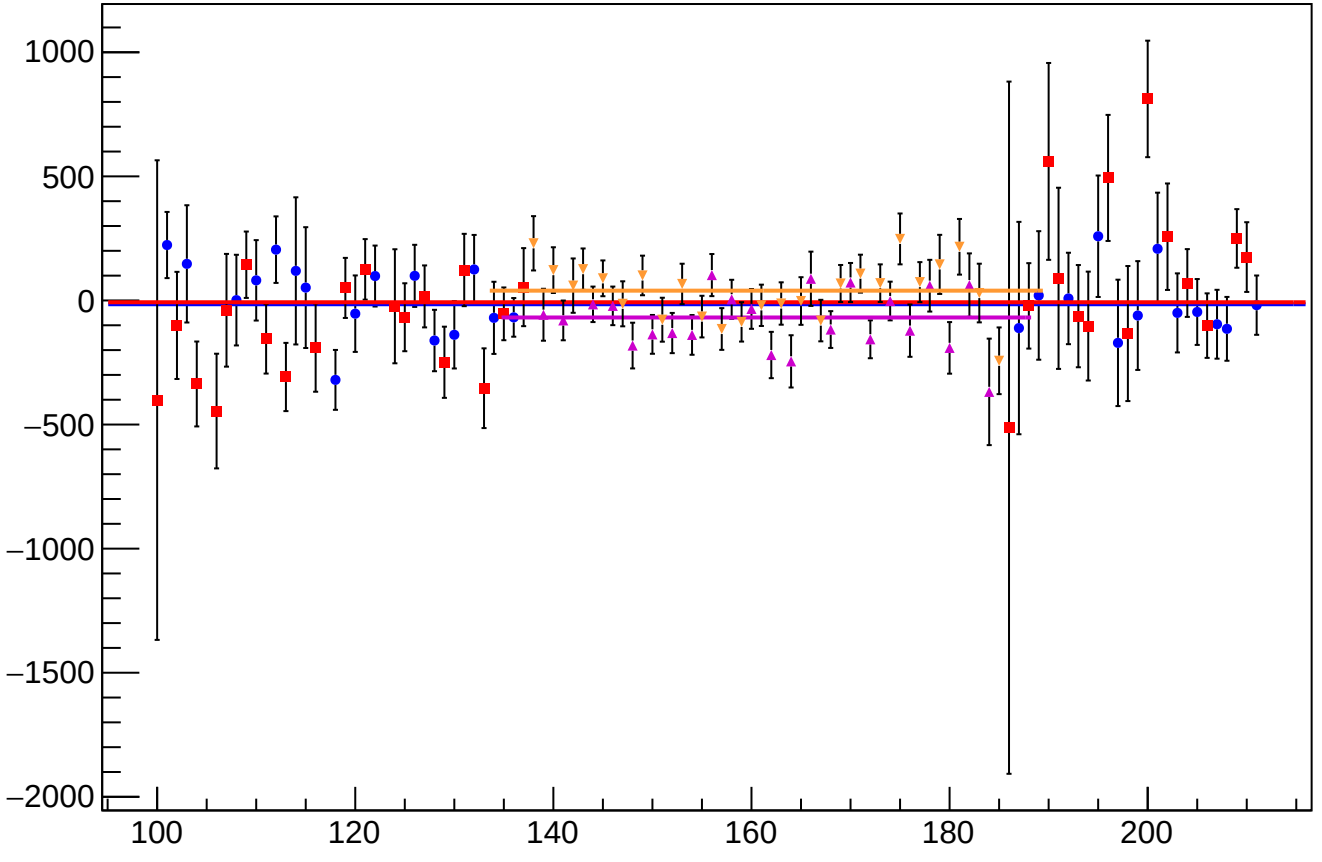
Left In: 679.413+/-0.114 χ^2/NDF:1185267.0/22

+ sign 799.732+/-0.104 χ^2/NDF: 11784680.5/52

All: 805.816+/-0.074 χ^2/NDF: 25385093.1/10

- sign 812.179+/-0.106 χ^2/NDF: 13593347.0/55

cor_asym_sam_2468_avg_mean vs Slug



Right In: -15.179+/-28.266 χ^2/NDF: 22.8/27

Left Out: 39.484+/-17.666 χ^2/NDF:31.9/24

Right Out: -7.247+/-28.650 χ^2/NDF: 53.8/32

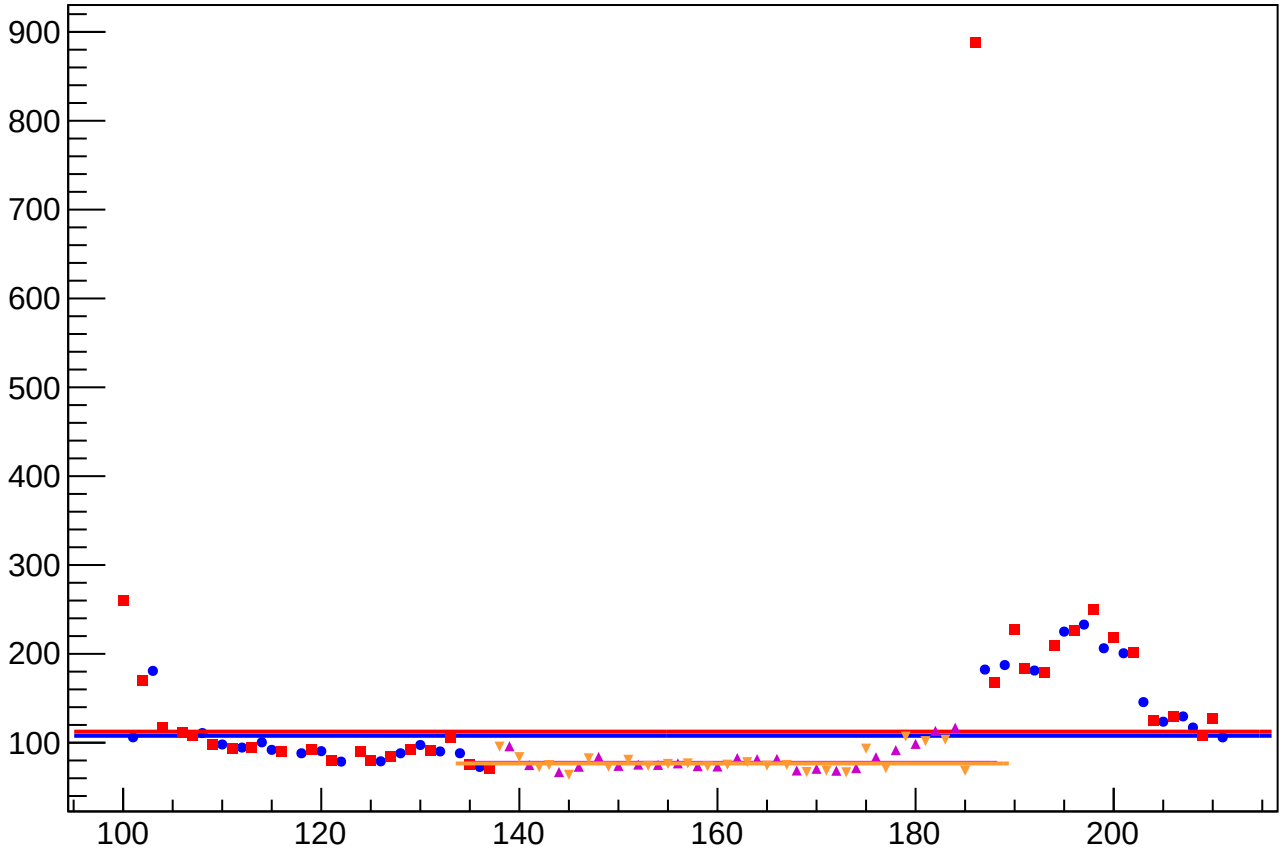
Left In: -68.620+/-18.317 χ^2/NDF:29.0/22

+ sign 24.129+/-14.981 χ^2/NDF: 57.4/52

All: -12.228+/-10.749 χ^2/NDF: 155.6/108

- sign -50.812+/-15.433 χ^2/NDF: 86.0/55

cor_asym_sam_2468_avg_rms vs Slug



Right In: 107.796+/-0.020 χ^2/NDF: 3514488.8/27

Left Out: 76.646+/-0.012 χ^2/NDF:654608.7/24

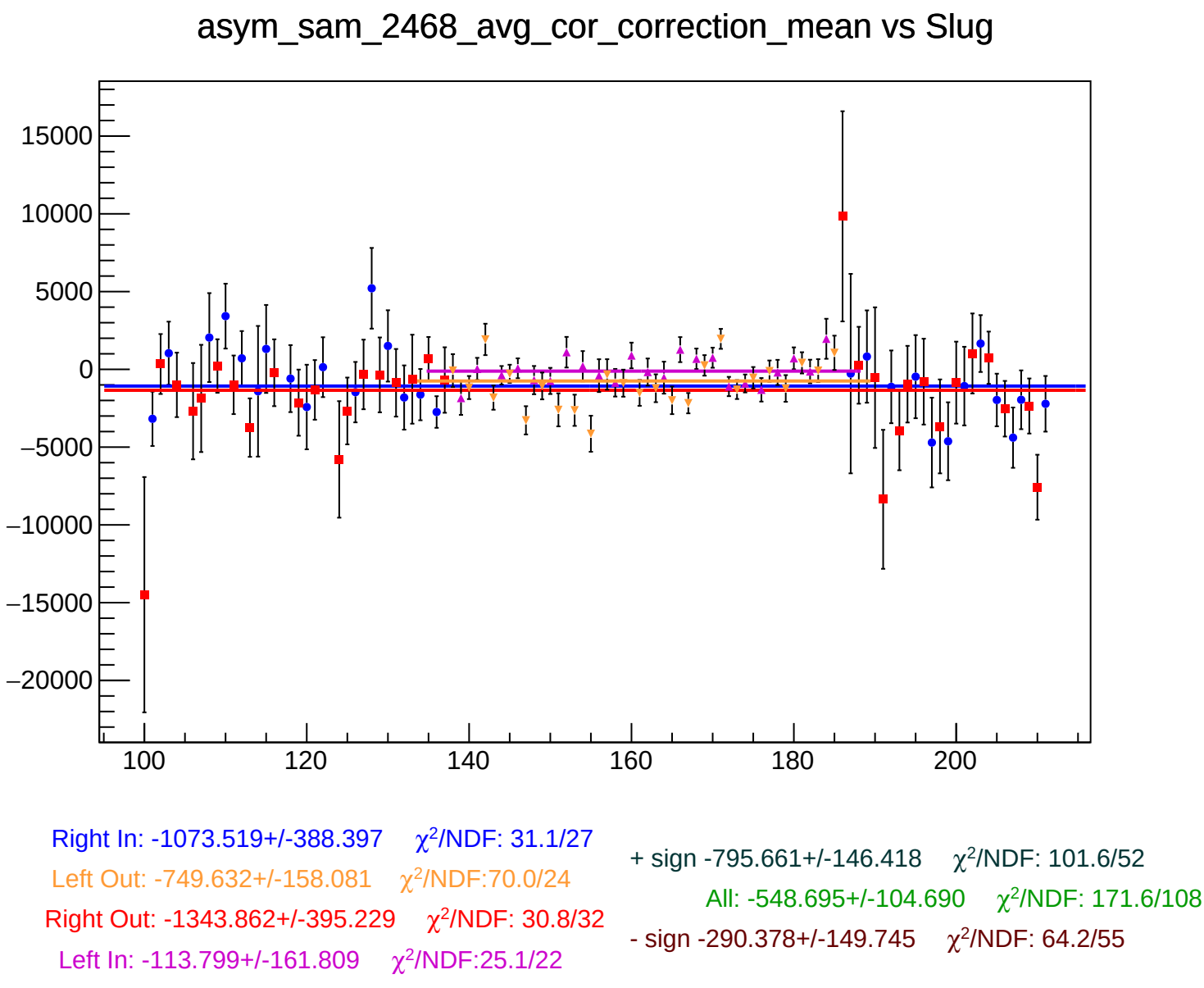
Right Out: 112.454+/-0.020 χ^2/NDF: 4633514.3/32

Left In: 77.348+/-0.013 χ^2/NDF:590414.8/22

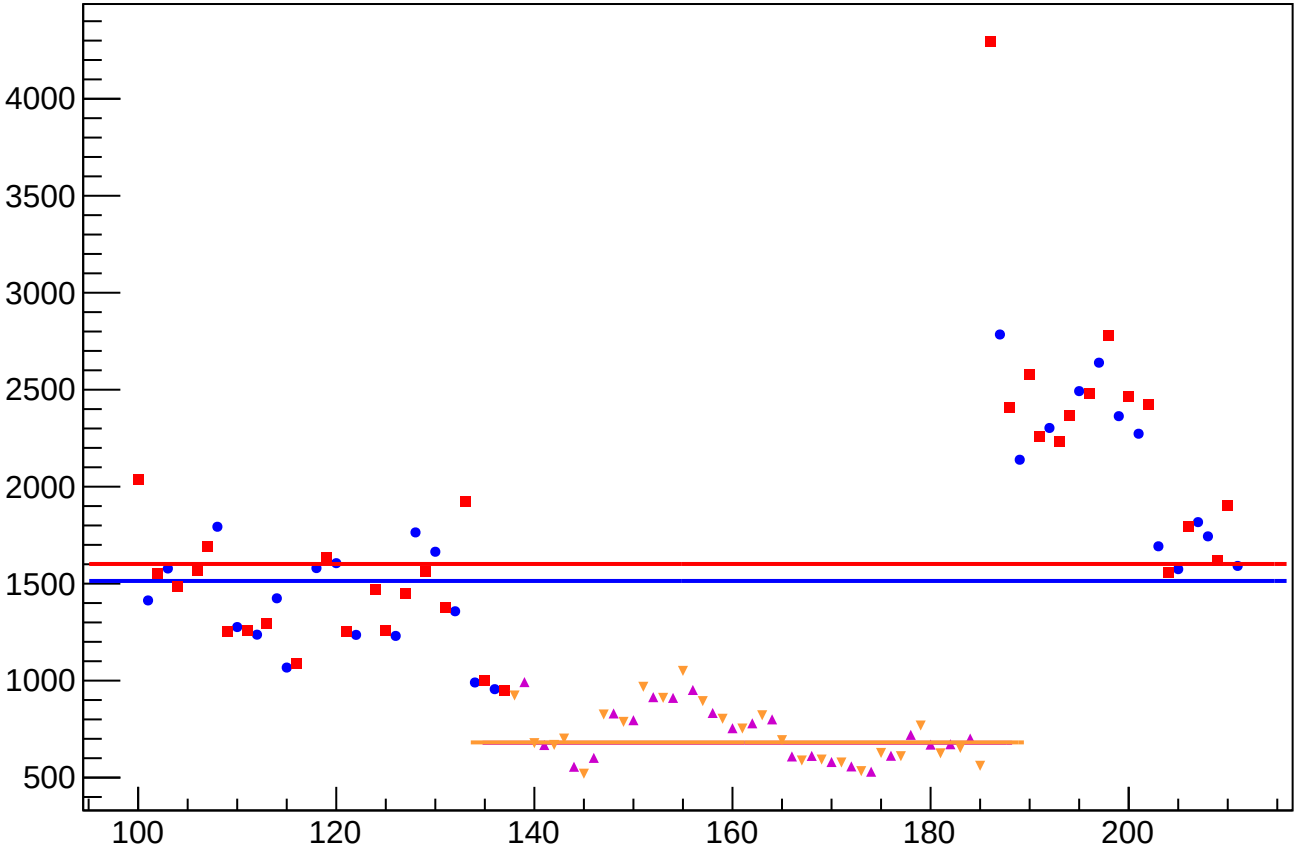
+ sign 85.396+/-0.011 χ^2/NDF: 5915724.9/52

All: 86.434+/-0.008 χ^2/NDF: 13290941.0/108

- sign 87.534+/-0.011 χ^2/NDF: 7355454.3/55


asym_sam_2468_avg_cor_correction_mean vs Slug
15000
10000
5000
0
−5000
−10000
−15000
−20000
100
120
140
160
180
200
Right In: -1073.519+/-388.397 χ²/NDF: 31.1/27
Left Out: -749.632+/-158.081 χ²/NDF:70.0/24
Right Out: -1343.862+/-395.229 χ²/NDF: 30.8/32
Left In: -113.799+/-161.809 χ²/NDF:25.1/22
+ sign -795.661+/-146.418 χ²/NDF: 101.6/52
All: -548.695+/-104.690 χ²/NDF: 171.6/108
- sign -290.378+/-149.745 χ²/NDF: 64.2/55

asym_sam_2468_avg_cor_correction_rms vs Slug



Right In: 1513.894+/-0.275 χ^2/NDF: 2568410.7/27

Left Out: 681.426+/-0.112 χ^2/NDF:1334214.9/24

Right Out: 1601.479+/-0.279 χ^2/NDF: 3041626.7/32

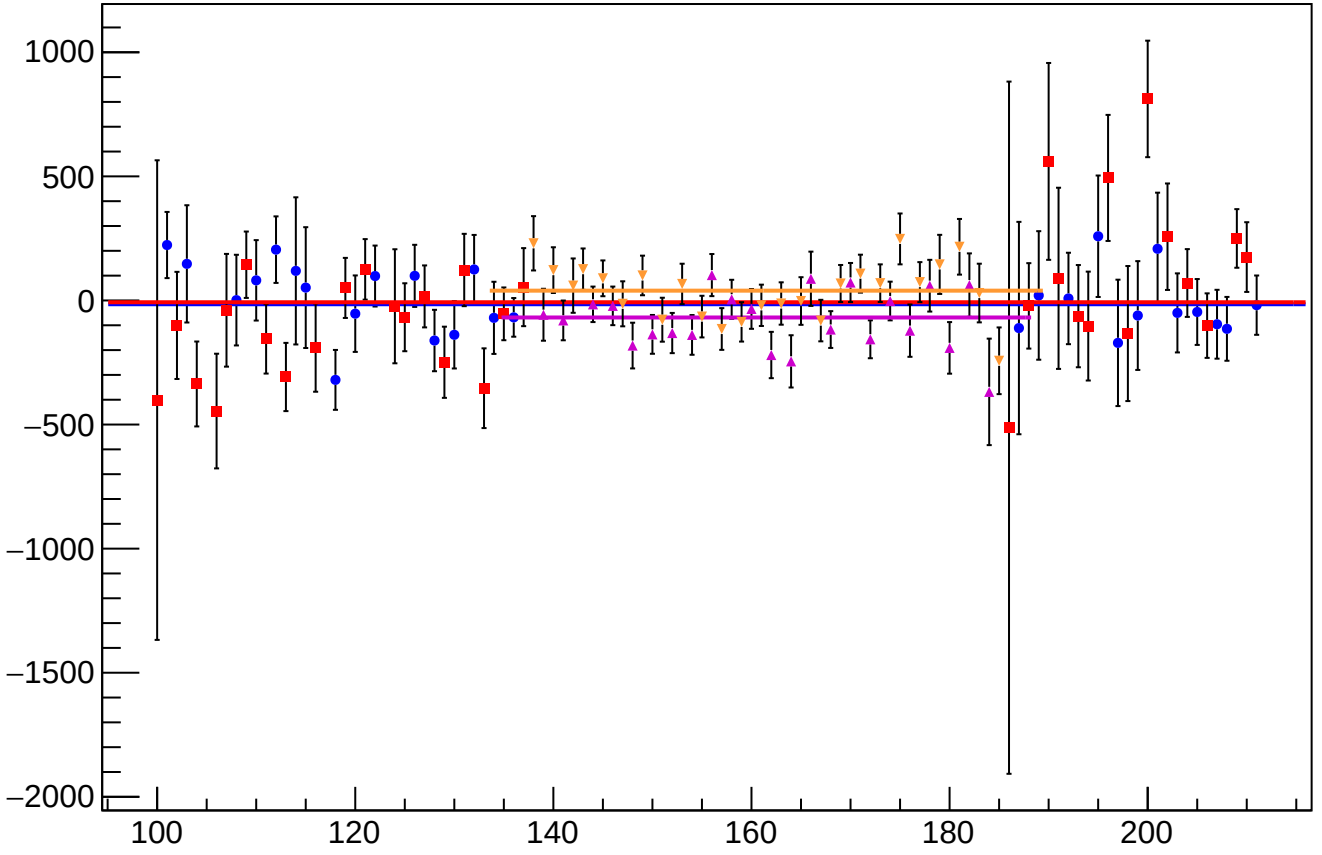
Left In: 679.414+/-0.114 χ^2/NDF:1185265.0/22

+ sign 799.731+/-0.104 χ^2/NDF: 11784727.2/52

All: 805.620+/-0.074 χ^2/NDF: 25341284.4/10

- sign 811.778+/-0.106 χ^2/NDF: 13549939.8/55

eigen_cor_asym_sam_2468_avg_mean vs Slug



Right In: -15.179+/-28.266 χ^2/NDF: 22.8/27

Left Out: 39.484+/-17.666 χ^2/NDF:31.9/24

Right Out: -7.247+/-28.650 χ^2/NDF: 53.8/32

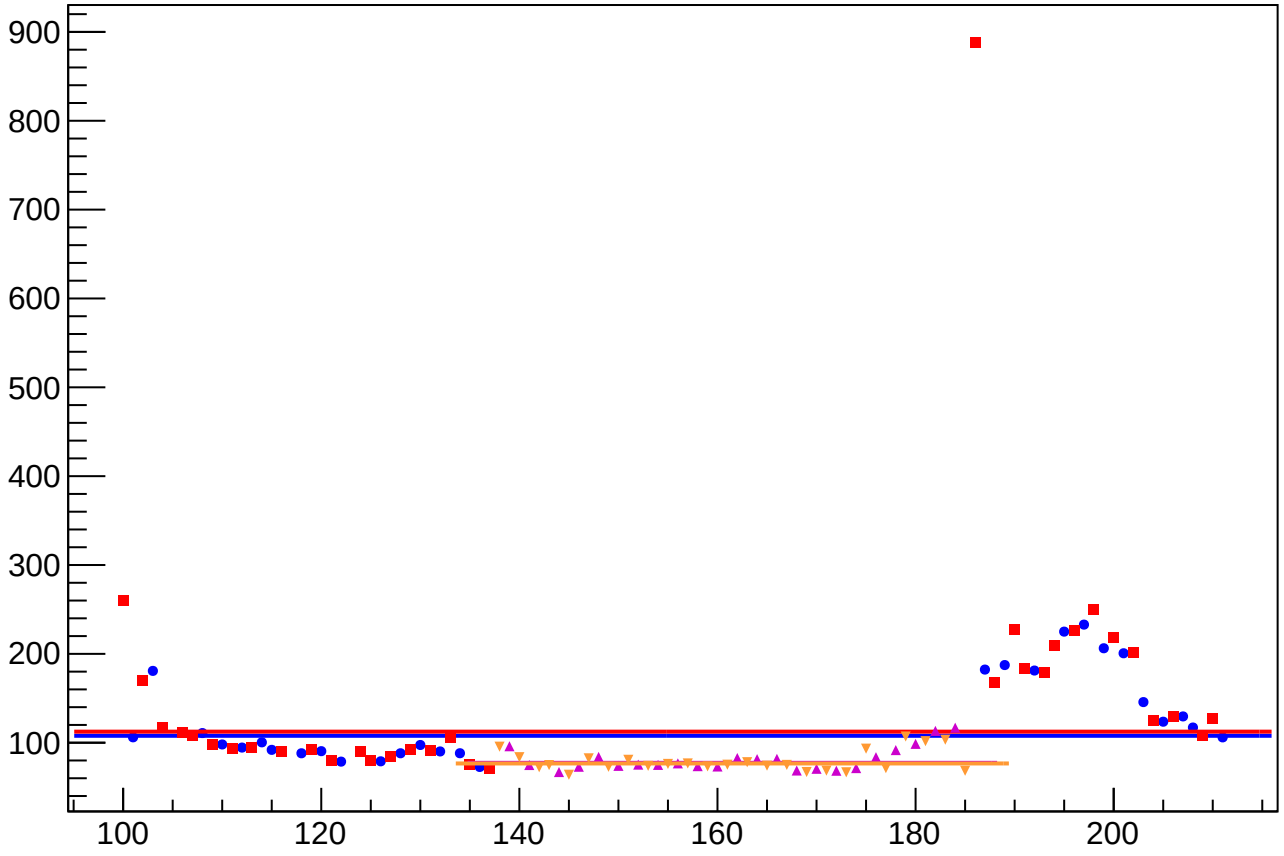
Left In: -68.620+/-18.317 χ^2/NDF:29.0/22

+ sign 24.129+/-14.981 χ^2/NDF: 57.4/52

All: -12.228+/-10.749 χ^2/NDF: 155.6/108

- sign -50.812+/-15.433 χ^2/NDF: 86.0/55

eigen_cor_asym_sam_2468_avg_rms vs Slug



Right In: 107.796+/-0.020 χ^2/NDF: 3514488.8/27

Left Out: 76.646+/-0.012 χ^2/NDF:654608.7/24

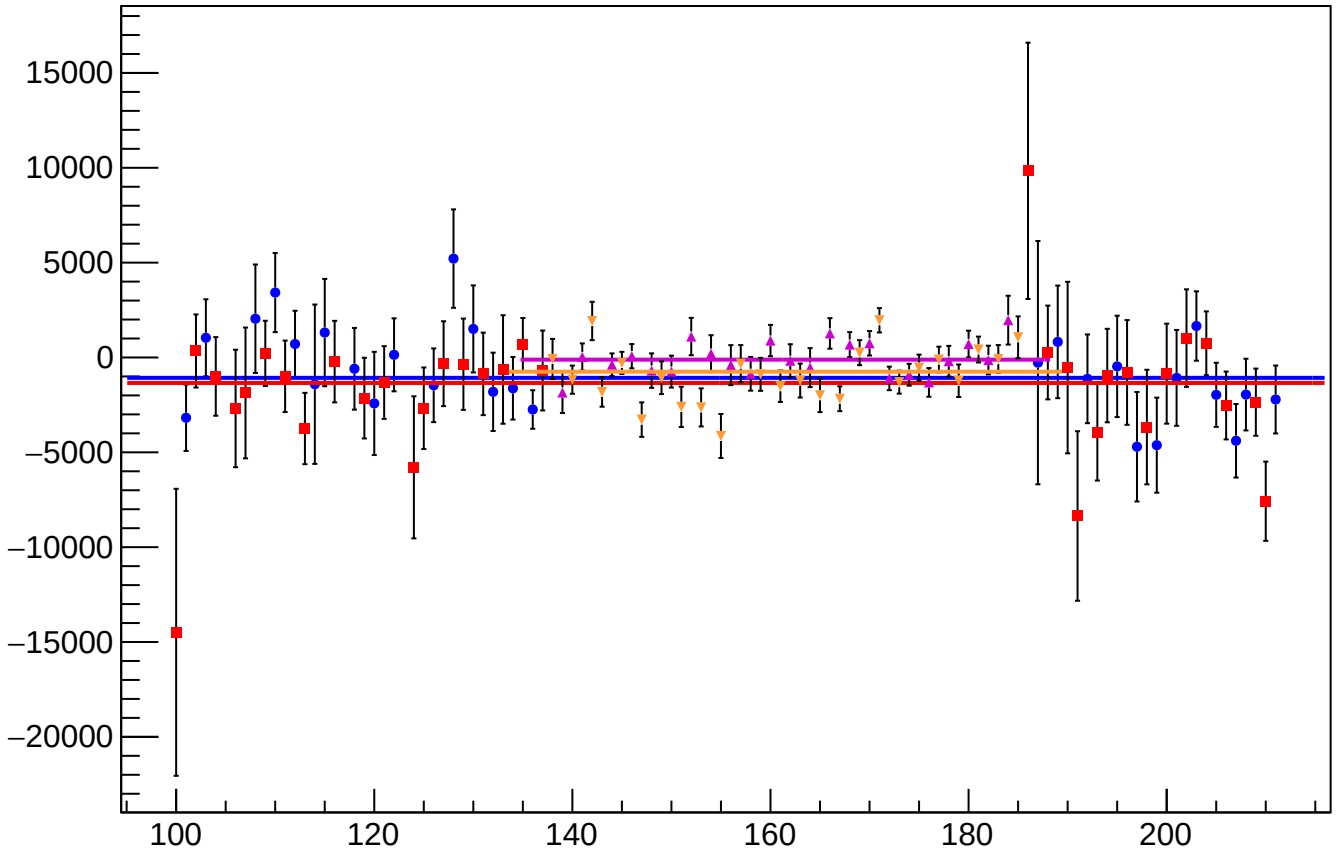
Right Out: 112.454+/-0.020 χ^2/NDF: 4633514.3/32

Left In: 77.348+/-0.013 χ^2/NDF:590414.8/22

+ sign 85.396+/-0.011 χ^2/NDF: 5915724.9/52

All: 86.434+/-0.008 χ^2/NDF: 13290941.0/108

- sign 87.534+/-0.011 χ^2/NDF: 7355454.3/55



Right In: -1073.519+/-388.397 χ^2/NDF: 31.1/27

Left Out: -749.632+/-158.081 χ^2/NDF:70.0/24

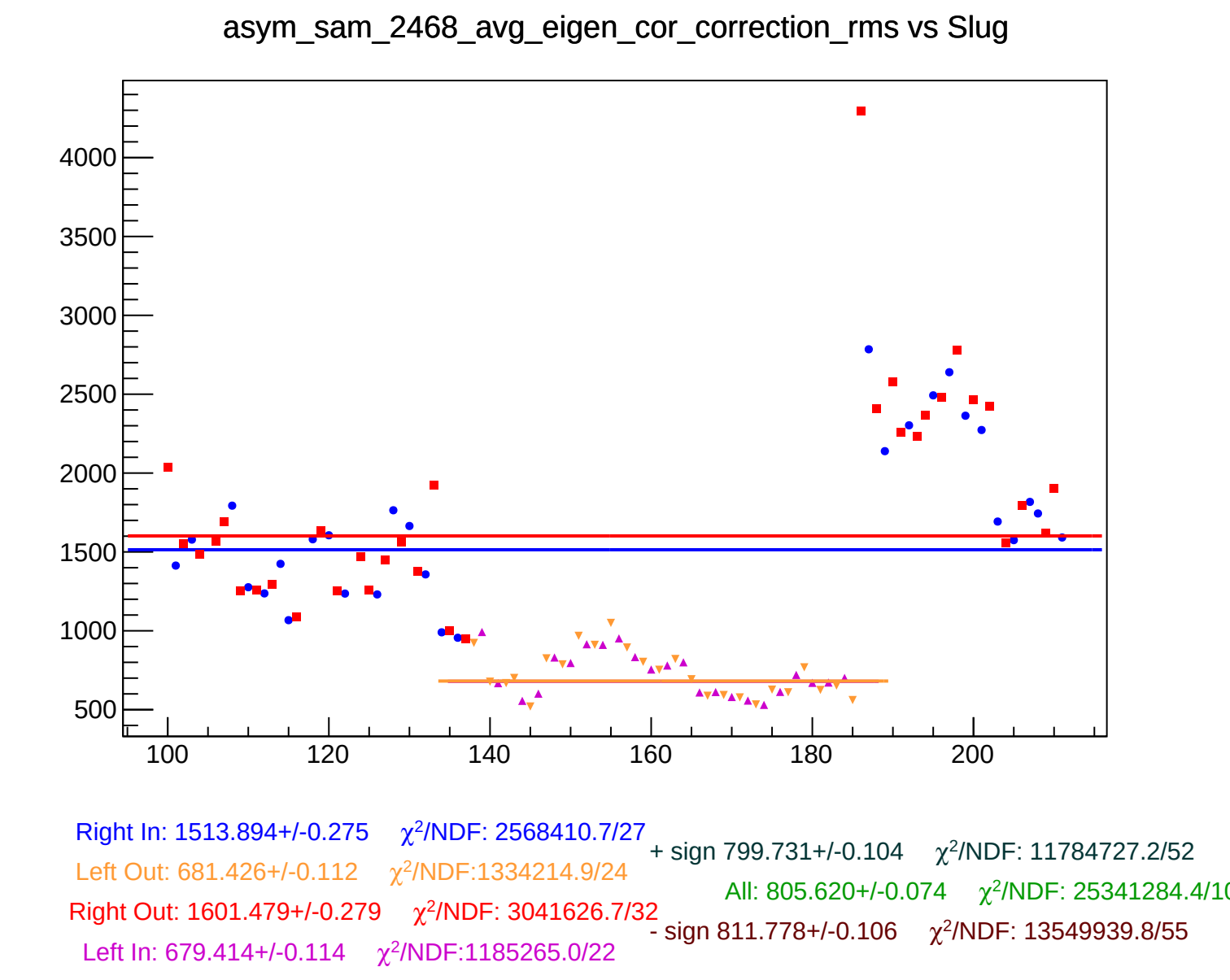
Right Out: -1343.862+/-395.229 χ^2/NDF: 30.8/32

Left In: -113.799+/-161.809 χ^2/NDF:25.1/22

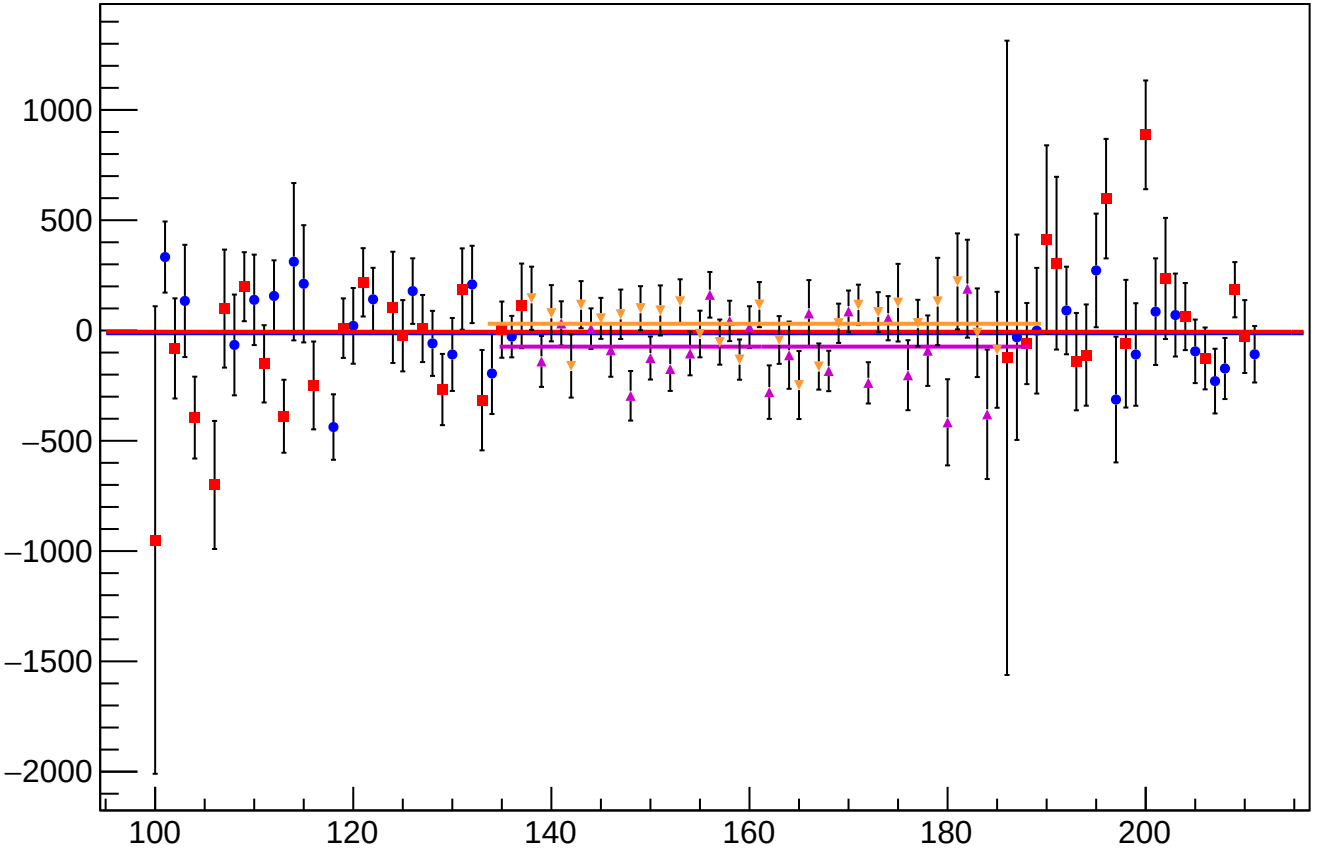
+ sign -795.661+/-146.418 χ^2/NDF: 101.6/52

All: -548.695+/-104.690 χ^2/NDF: 171.6/108

- sign -290.378+/-149.745 χ^2/NDF: 64.2/55


asym_sam_2468_avg_eigen_cor_correction_rms vs Slug
4000
3500
3000
2500
2000
1500
1000
500
100
120
140
160
180
200
Right In: 1513.894+/-0.275 χ²/NDF: 2568410.7/27
Left Out: 681.426+/-0.112 χ²/NDF:1334214.9/24
Right Out: 1601.479+/-0.279 χ²/NDF: 3041626.7/32
Left In: 679.414+/-0.114 χ²/NDF:1185265.0/22
+ sign 799.731+/-0.104 χ²/NDF: 11784727.2/52
All: 805.620+/-0.074 χ²/NDF: 25341284.4/10
- sign 811.778+/-0.106 χ²/NDF: 13549939.8/55

dit_asym_sam_2468_avg_mean vs Slug



Right In: -12.340+/-32.793 χ^2/NDF: 29.8/27

Left Out: 30.684+/-22.856 χ^2/NDF:19.9/24

Right Out: -5.667+/-33.127 χ^2/NDF: 53.2/32

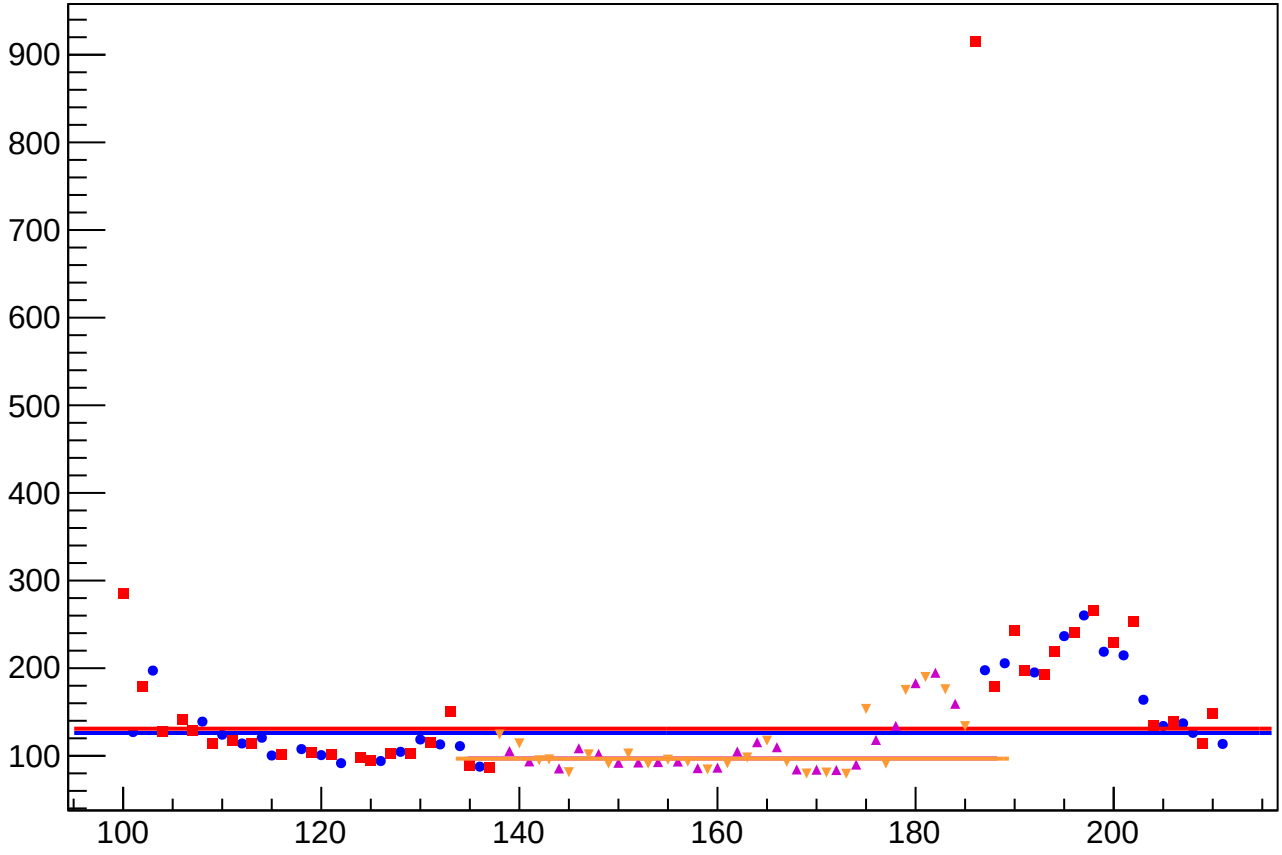
Left In: -73.147+/-23.510 χ^2/NDF:34.5/22

+ sign 16.617+/-18.751 χ^2/NDF: 50.9/52

All: -16.216+/-13.405 χ^2/NDF: 147.6/108

- sign -50.543+/-19.173 χ^2/NDF: 90.4/55

dit_asym_sam_2468_avg_rms vs Slug



Right In: 126.072+/-0.023 χ^2/NDF: 2842333.9/27

Left Out: 96.794+/-0.016 χ^2/NDF:1720415.9/24

Right Out: 130.992+/-0.023 χ^2/NDF: 3934189.0/32

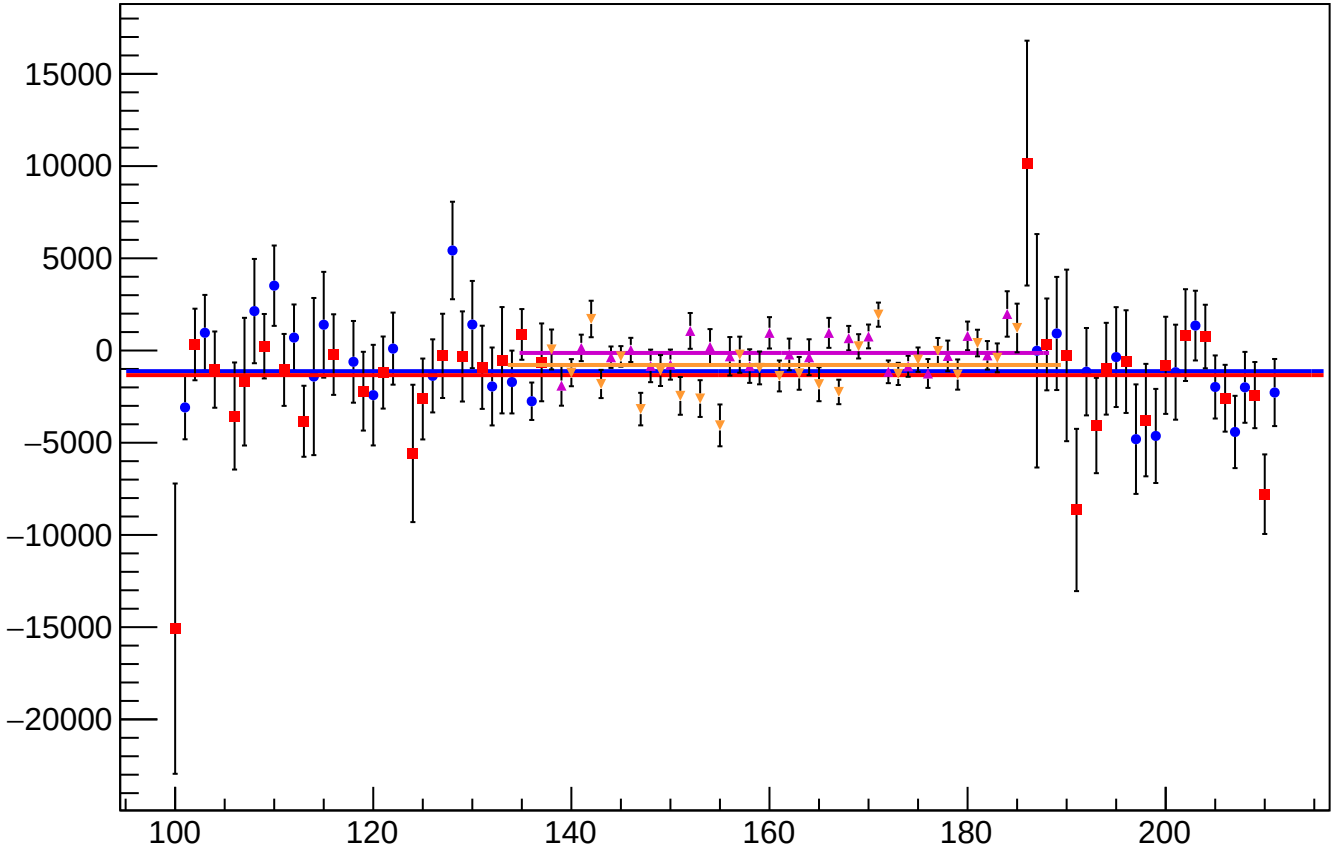
Left In: 97.017+/-0.017 χ^2/NDF:1321187.5/22

+ sign 106.367+/-0.013 χ^2/NDF: 5635707.6/52

All: 107.359+/-0.009 χ^2/NDF: 12301659.9/10

- sign 108.397+/-0.014 χ^2/NDF: 6654483.6/55

asym_sam_2468_avg_dit_correction_mean vs Slug



Right In: -1119.170+/-394.406 χ^2/NDF: 30.2/27

Left Out: -783.756+/-158.329 χ^2/NDF:66.3/24

Right Out: -1334.934+/-399.033 χ^2/NDF: 32.4/32

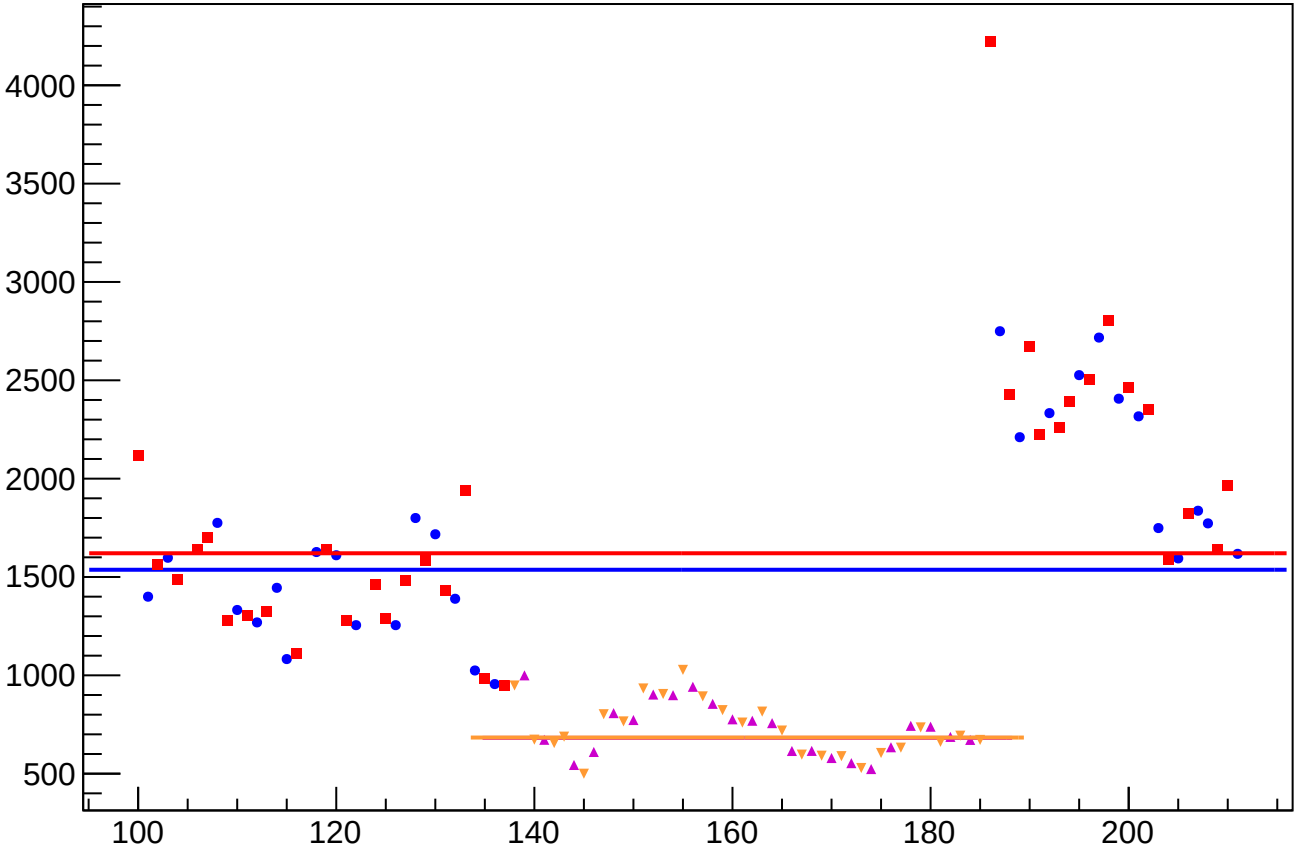
Left In: -131.380+/-162.409 χ^2/NDF:24.3/22

\+ sign -830.306+/-146.932 χ^2/NDF: 97.1/52

All: -572.568+/-105.110 χ^2/NDF: 167.9/108

\- sign -302.422+/-150.427 χ^2/NDF: 64.4/55

asym_sam_2468_avg_dit_correction_rms vs Slug



Right In: 1536.766+/-0.279 χ^2/NDF: 2609817.4/27

Left Out: 683.698+/-0.112 χ^2/NDF:1297969.4/24

Right Out: 1620.629+/-0.282 χ^2/NDF: 3024117.8/32

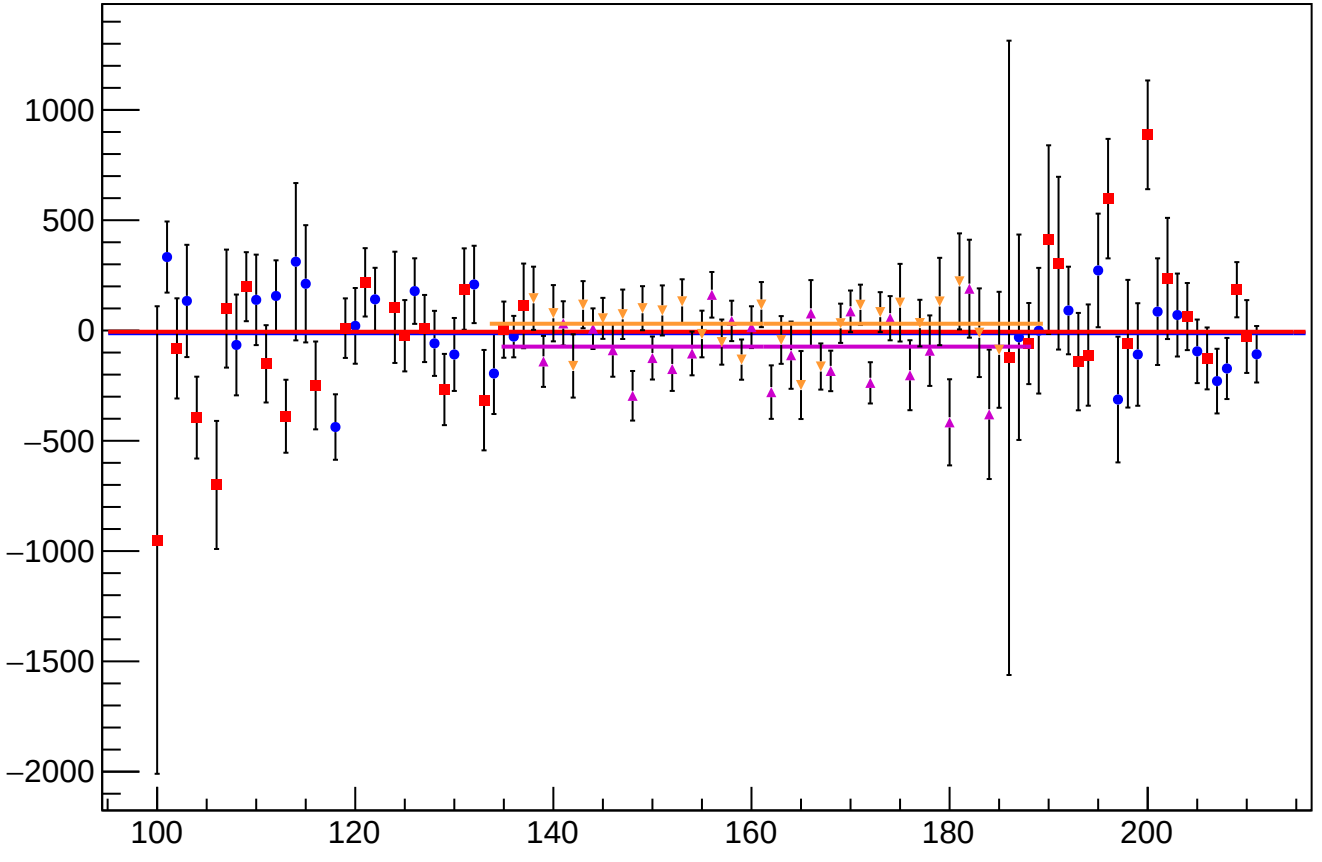
Left In: 681.961+/-0.115 χ^2/NDF:1186135.0/22

\+ sign 802.091+/-0.104 χ^2/NDF: 11965687.6/52

All: 808.569+/-0.074 χ^2/NDF: 25678278.7/10

\- sign 815.359+/-0.106 χ^2/NDF: 13704629.1/55

eigen_dit_asym_sam_2468_avg_mean vs Slug



Right In: -12.338+/-32.793 χ^2/NDF: 29.8/27

Left Out: 30.684+/-22.856 χ^2/NDF:19.9/24

Right Out: -5.666+/-33.127 χ^2/NDF: 53.2/32

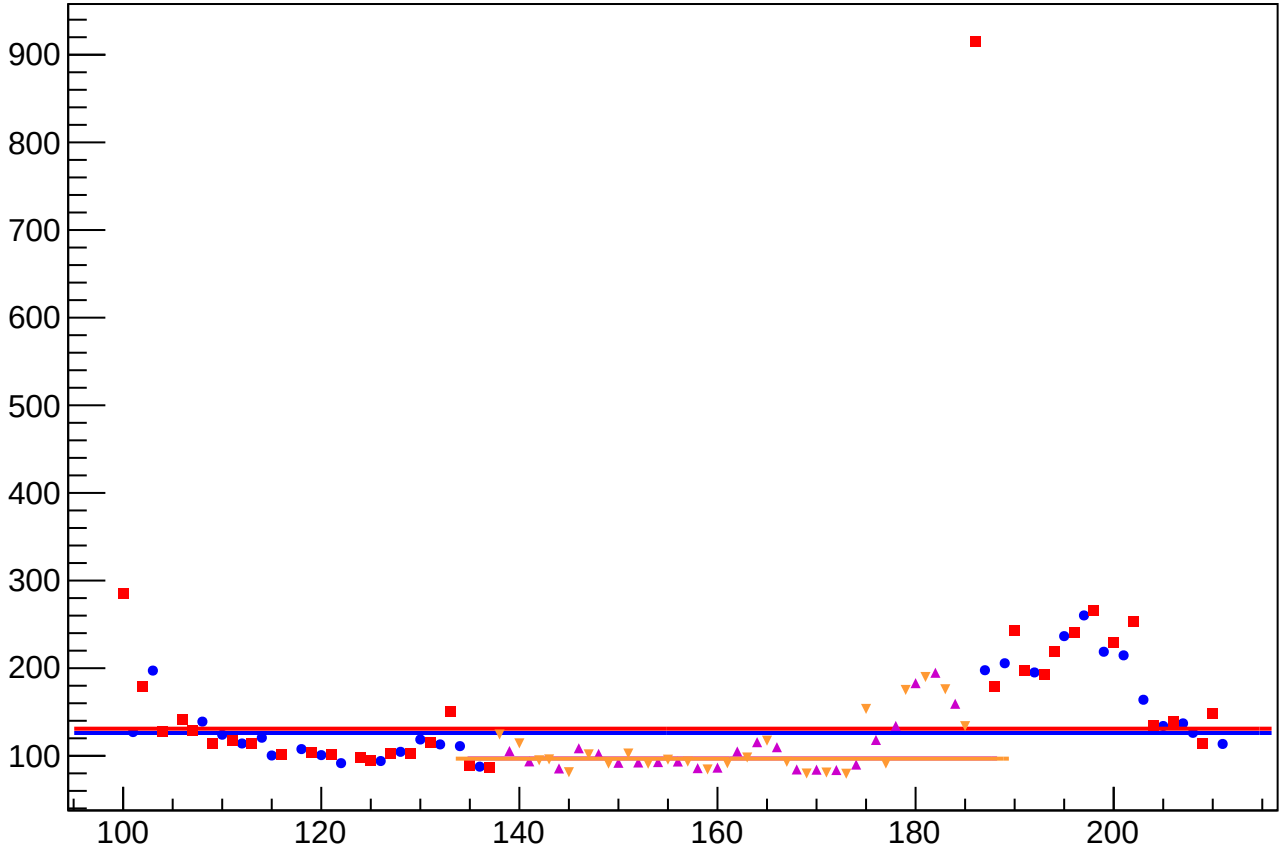
Left In: -73.146+/-23.510 χ^2/NDF:34.5/22

+ sign 16.618+/-18.751 χ^2/NDF: 50.9/52

All: -16.215+/-13.405 χ^2/NDF: 147.6/108

- sign -50.542+/-19.173 χ^2/NDF: 90.4/55

eigen_dit_asym_sam_2468_avg_rms vs Slug



Right In: 126.071+/-0.023 χ^2/NDF: 2842350.1/27

Left Out: 96.795+/-0.016 χ^2/NDF:1720415.9/24

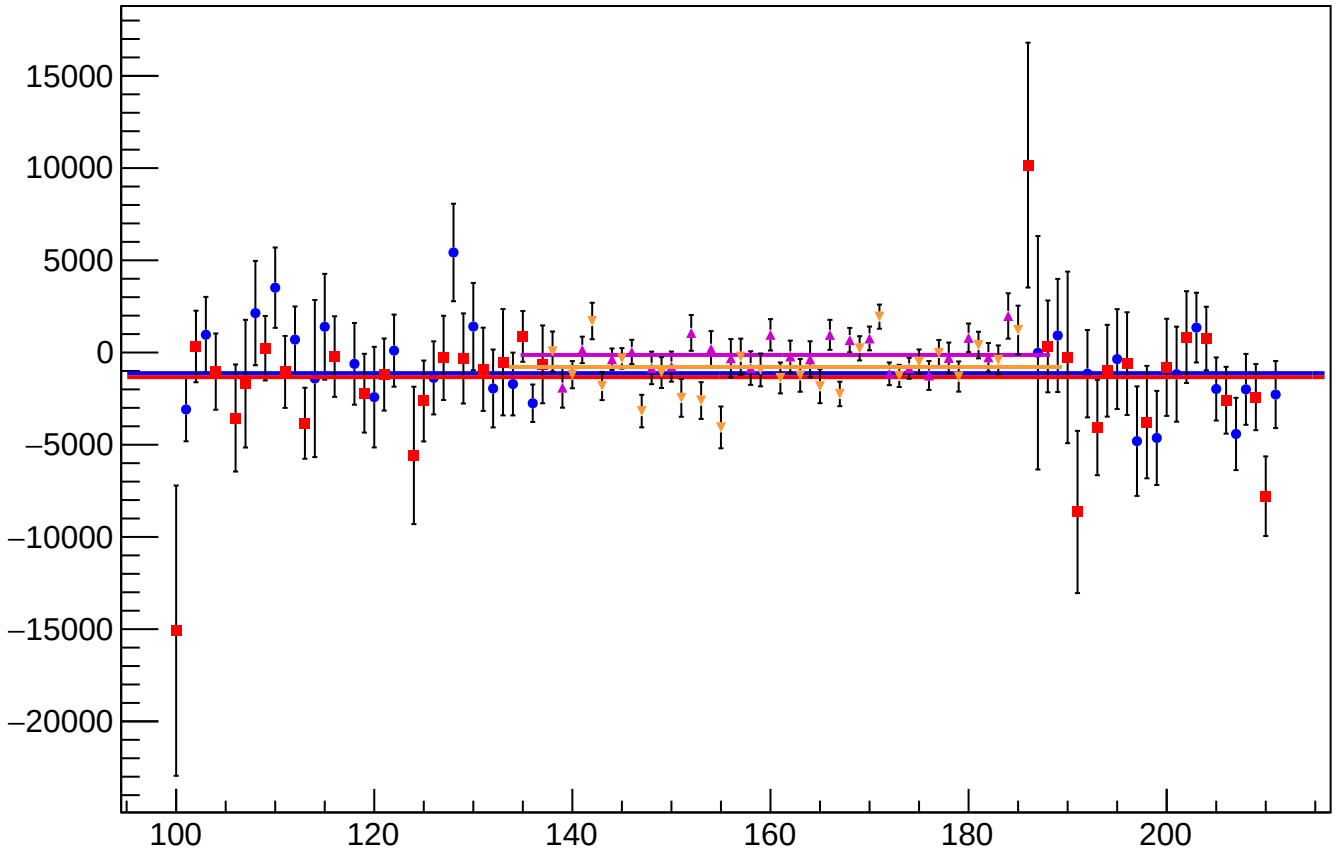
Right Out: 130.992+/-0.023 χ^2/NDF: 3934221.6/32

Left In: 97.017+/-0.017 χ^2/NDF:1321171.2/22

+ sign 106.367+/-0.013 χ^2/NDF: 5635661.5/52

All: 107.360+/-0.009 χ^2/NDF: 12301566.5/10

- sign 108.398+/-0.014 χ^2/NDF: 6654436.0/55



Right In: -1119.164+/-394.405 χ^2/NDF: 30.2/27

Left Out: -783.754+/-158.328 χ^2/NDF:66.3/24

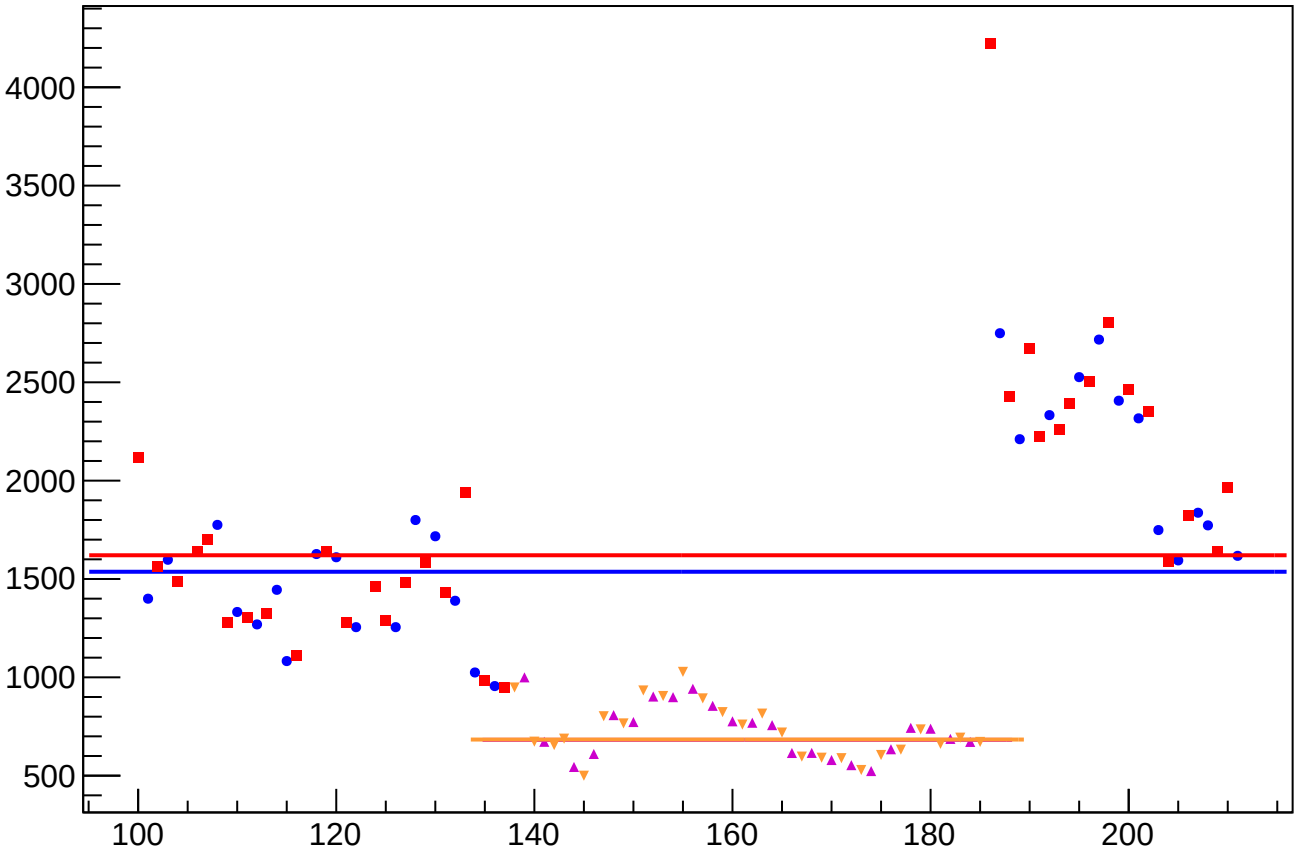
Right Out: -1334.932+/-399.032 χ^2/NDF: 32.4/32

Left In: -131.379+/-162.409 χ^2/NDF:24.3/22

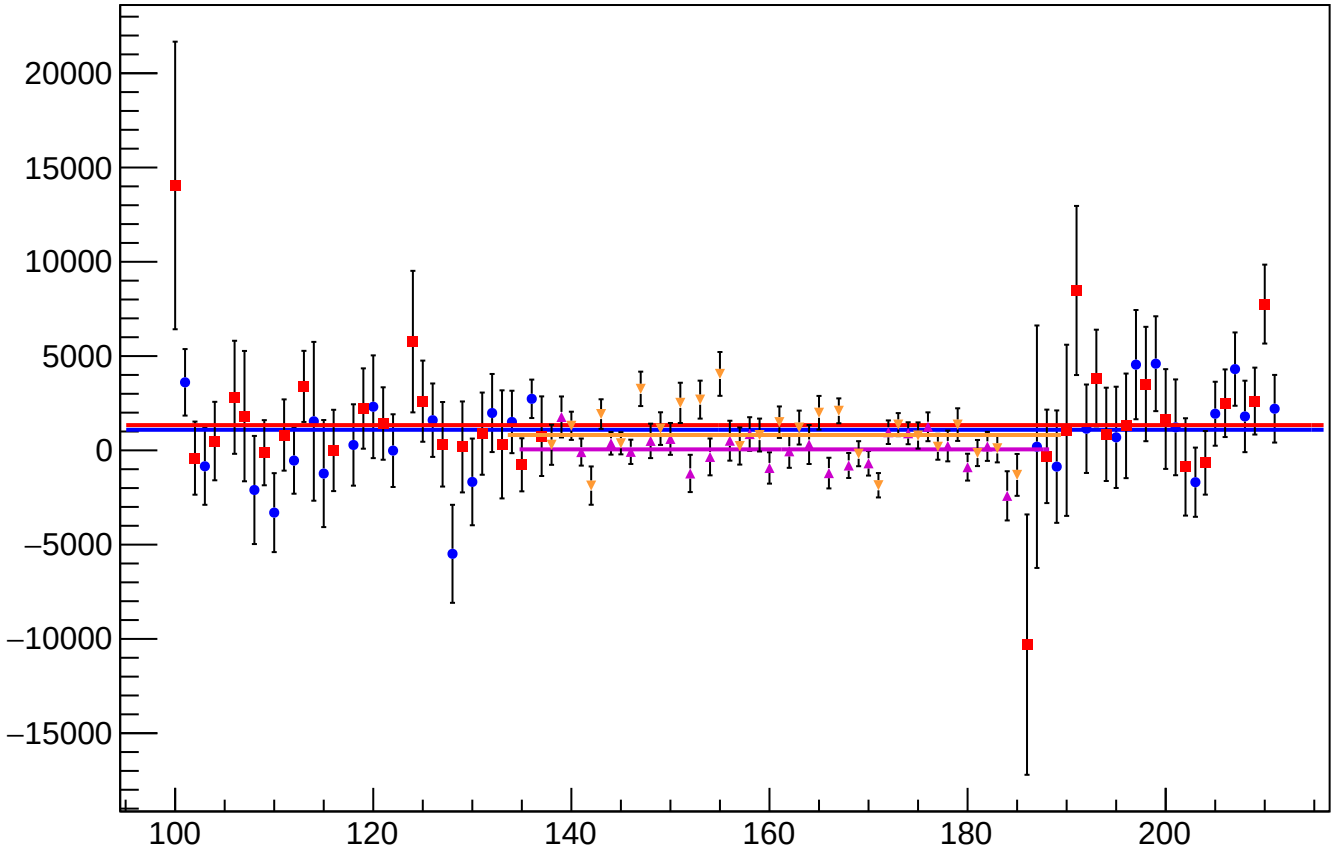
+ sign -830.304+/-146.931 χ^2/NDF: 97.1/52

All: -572.567+/-105.110 χ^2/NDF: 167.9/108

- sign -302.420+/-150.427 χ^2/NDF: 64.4/55


asym_sam_2468_avg_eigen_dit_correction_rms vs Slug
4000
3500
3000
2500
2000
1500
1000
500
100
120
140
160
180
200
Right In: 1536.764+/-0.279 χ²/NDF: 2609825.5/27
Left Out: 683.696+/-0.112 χ²/NDF:1297975.5/24
Right Out: 1620.626+/-0.282 χ²/NDF: 3024129.2/32
Left In: 681.960+/-0.115 χ²/NDF:1186136.6/22
+ sign 802.089+/-0.104 χ²/NDF: 11965707.1/52
All: 808.567+/-0.074 χ²/NDF: 25678315.8/10
- sign 815.357+/-0.106 χ²/NDF: 13704646.7/55

asym_sam_2468_avg_mean vs Slug



Right In: 1090.824+/-389.766 χ^2/NDF: 31.2/27

Left Out: 814.067+/-159.256 χ^2/NDF:65.8/24

Right Out: 1339.154+/-396.250 χ^2/NDF: 31.1/32

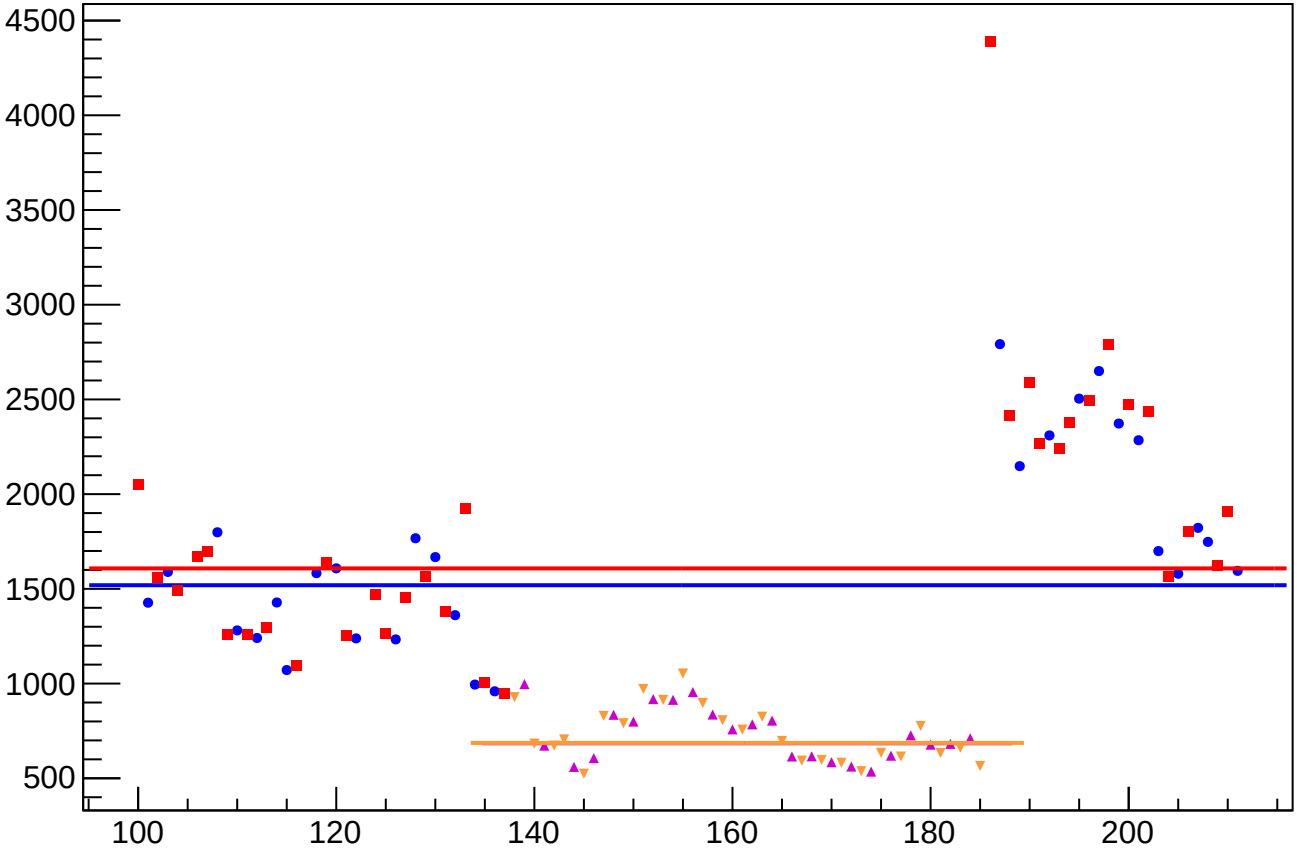
Left In: 52.290+/-163.036 χ^2/NDF:25.4/22

+ sign 853.661+/-147.425 χ^2/NDF: 97.4/52

All: 553.036+/-105.409 χ^2/NDF: 171.4/108

- sign 238.601+/-150.772 χ^2/NDF: 65.5/55

asym_sam_2468_avg_rms vs Slug



Right In: 1519.234+/-0.276 χ^2/NDF: 2569299.5/27

Left Out: 686.700+/-0.113 χ^2/NDF:1312231.8/24

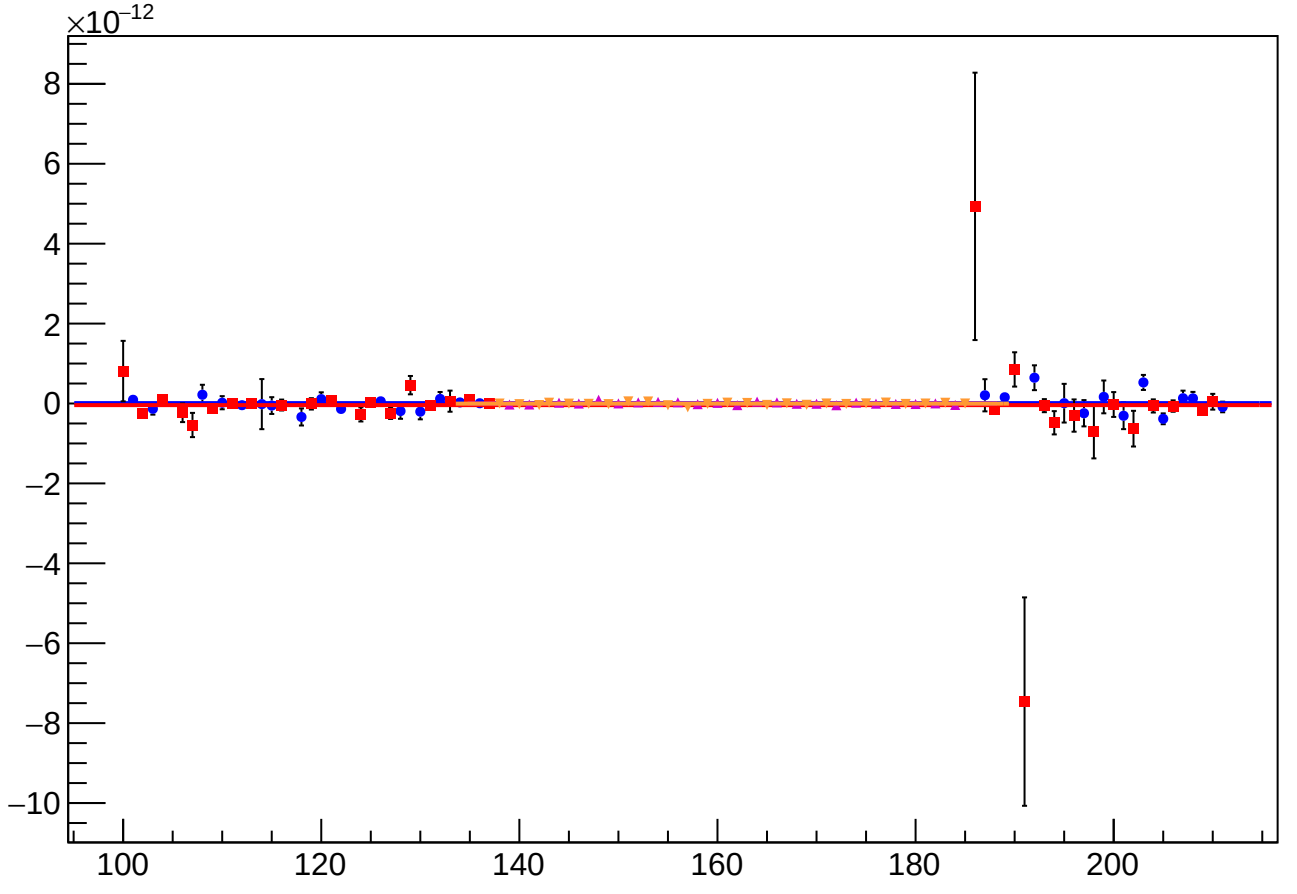
Right Out: 1607.937+/-0.280 χ^2/NDF: 3054095.2/32

Left In: 684.763+/-0.115 χ^2/NDF:1165205.5/22

+ sign 805.806+/-0.104 χ^2/NDF: 11700953.5/52

All: 811.971+/-0.075 χ^2/NDF: 25211441.2/10

- sign 818.420+/-0.107 χ^2/NDF: 13503331.6/55



Right In: 0.000+/-0.000 χ^2/NDF: 36.4/27

Left Out: -0.000+/-0.000 χ^2/NDF:16.5/24

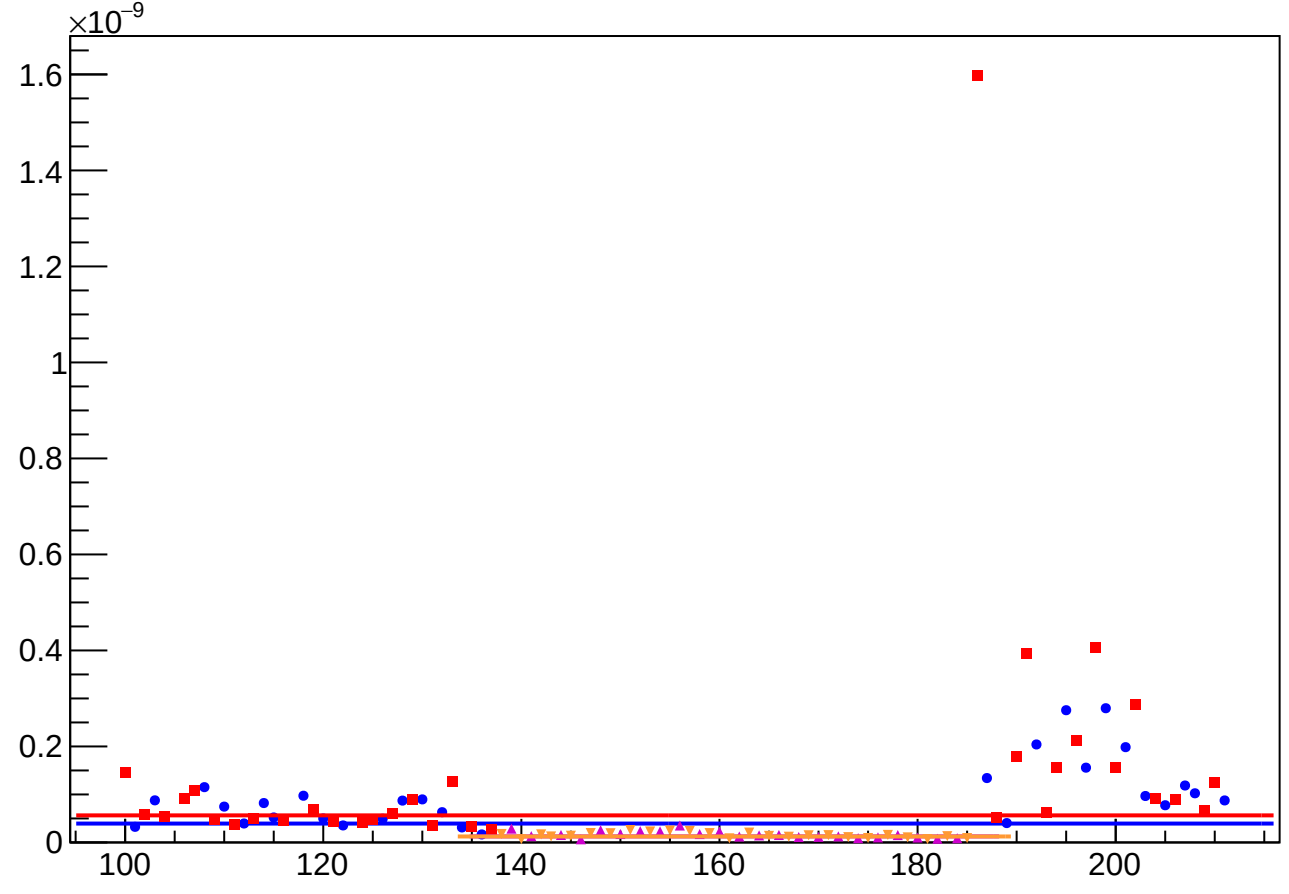
Right Out: -0.000+/-0.000 χ^2/NDF: 48.1/32

Left In: 0.000+/-0.000 χ^2/NDF:20.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 53.3/52

All: -0.000+/-0.000 χ^2/NDF: 124.5/108

- sign -0.000+/-0.000 χ^2/NDF: 71.2/55



Right In: 0.000+/-0.000 χ^2/NDF: 6017962.1/27

Left Out: 0.000+/-0.000 χ^2/NDF:1742020.0/24

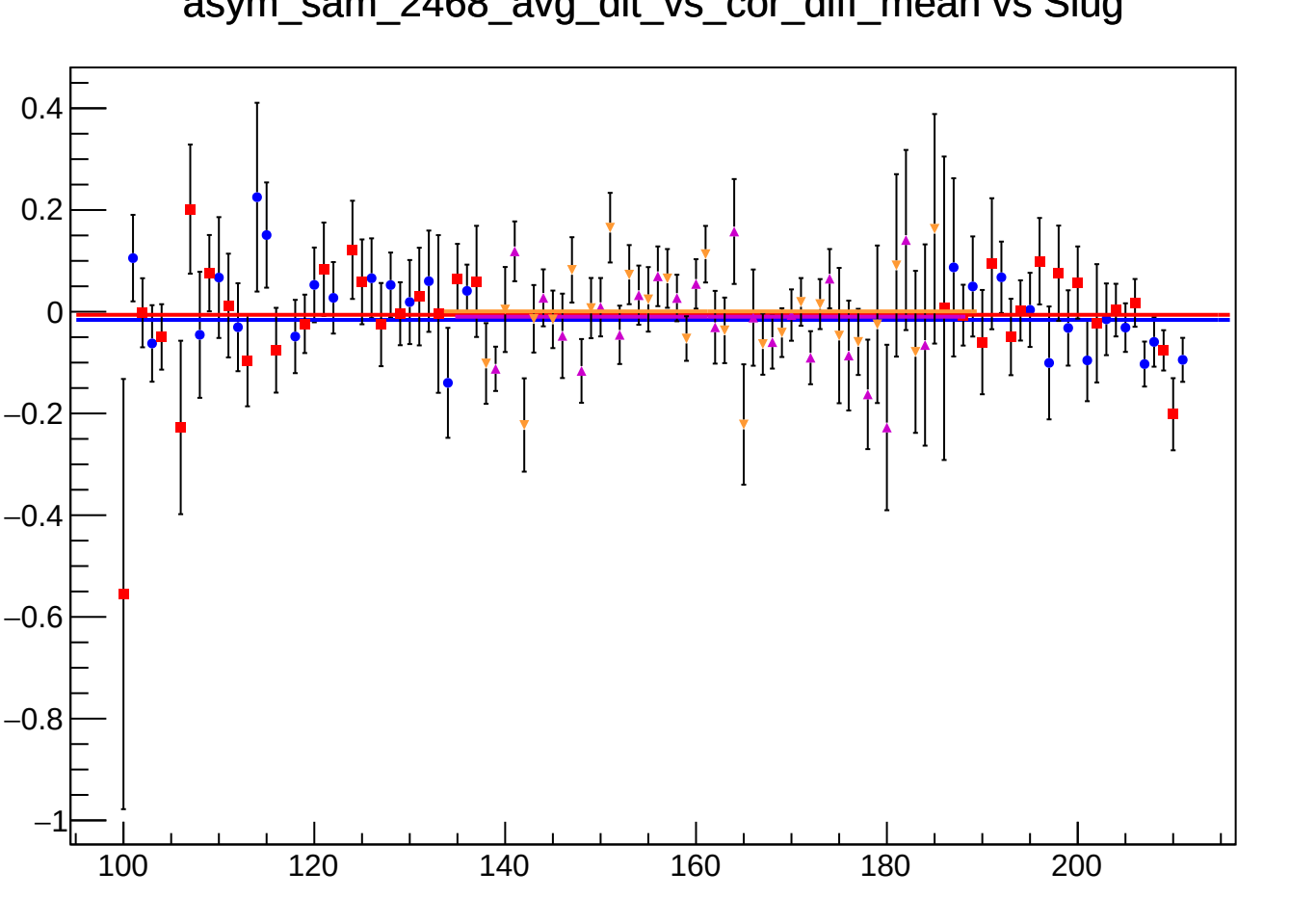
Right Out: 0.000+/-0.000 χ^2/NDF: 3824727.6/32

Left In: 0.000+/-0.000 χ^2/NDF:1961578.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 11092710.8/52

All: 0.000+/-0.000 χ^2/NDF: 22779769.0/108

- sign 0.000+/-0.000 χ^2/NDF: 11680051.9/55



Right In: -0.016+/-0.014 χ^2/NDF: 26.2/27

Left Out: 0.001+/-0.013 χ^2/NDF:31.7/24

Right Out: -0.006+/-0.013 χ^2/NDF: 29.9/32

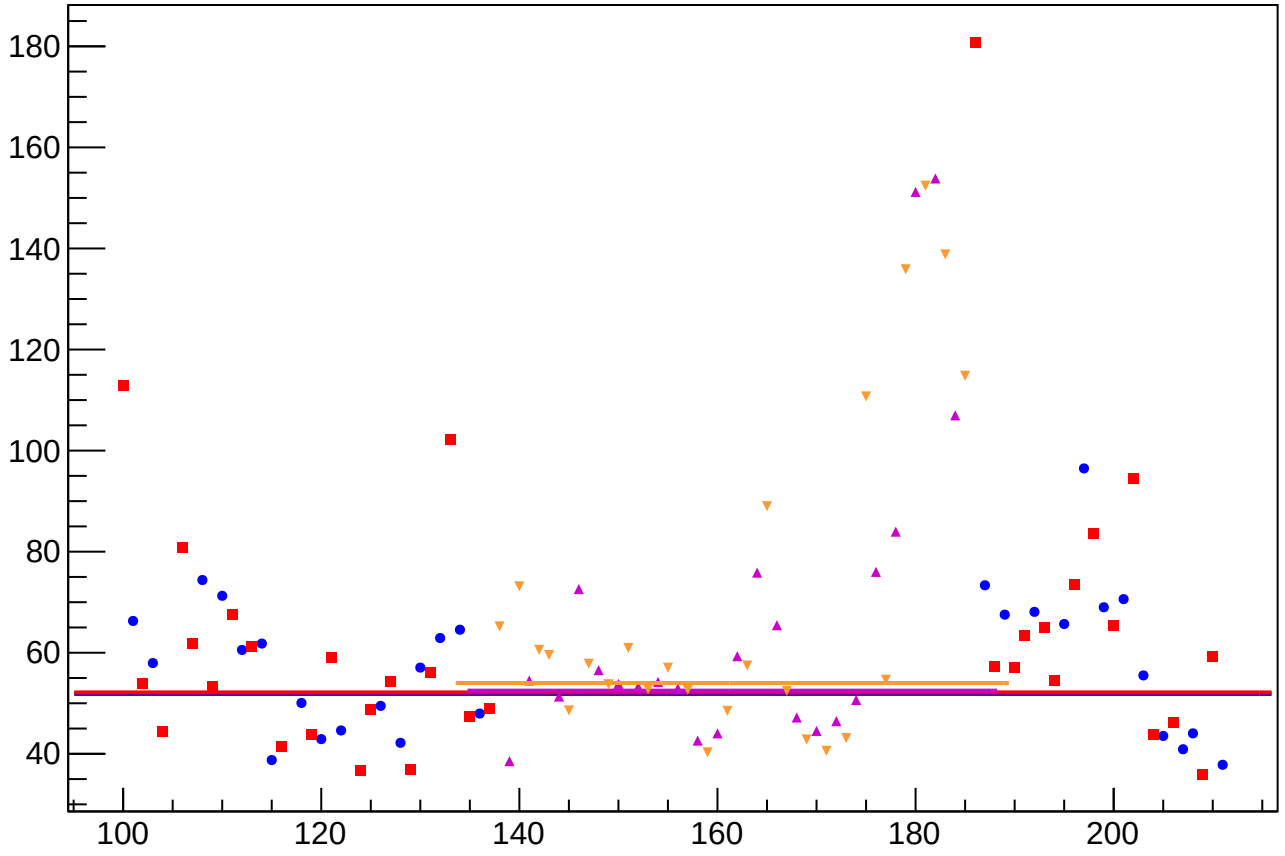
Left In: -0.010+/-0.013 χ^2/NDF:31.9/22

+ sign -0.008+/-0.009 χ^2/NDF: 58.7/52

All: -0.008+/-0.007 χ^2/NDF: 120.5/108

- sign -0.008+/-0.009 χ^2/NDF: 61.8/55

asym_sam_2468_avg_dit_vs_cor_diff_rms vs Slug



Right In: 51.857+/-0.010 χ^2/NDF: 1669767.9/27

Left Out: 54.014+/-0.009 χ^2/NDF:3227550.5/24

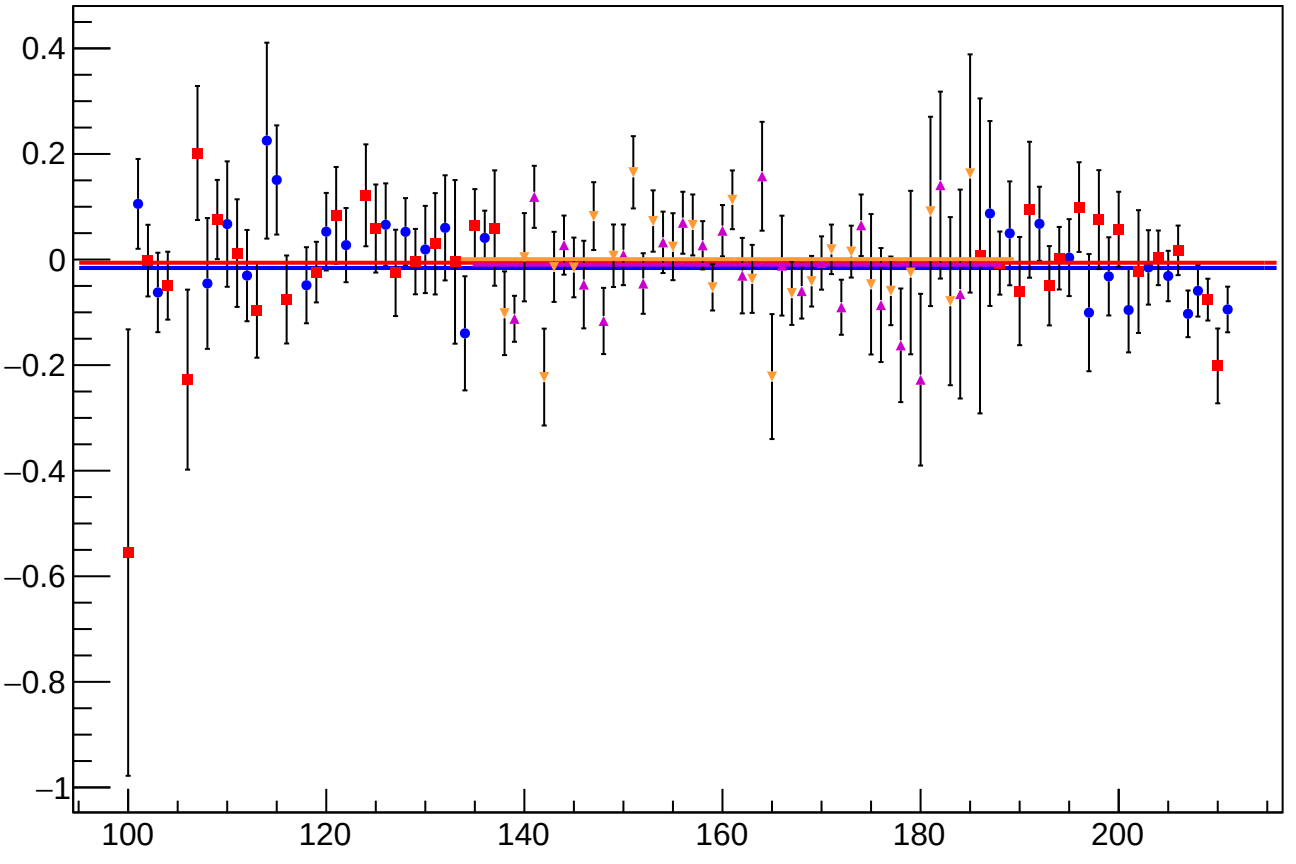
Right Out: 52.150+/-0.009 χ^2/NDF: 2287657.9/32

Left In: 52.502+/-0.009 χ^2/NDF:2557763.5/22

+ sign 52.960+/-0.007 χ^2/NDF: 4923284.1/52

All: 52.639+/-0.005 χ^2/NDF: 9773957.7/108

- sign 52.326+/-0.007 χ^2/NDF: 4846131.6/55



Right In: -0.016+/-0.014 χ^2/NDF: 26.2/27

Left Out: 0.001+/-0.013 χ^2/NDF:31.7/24

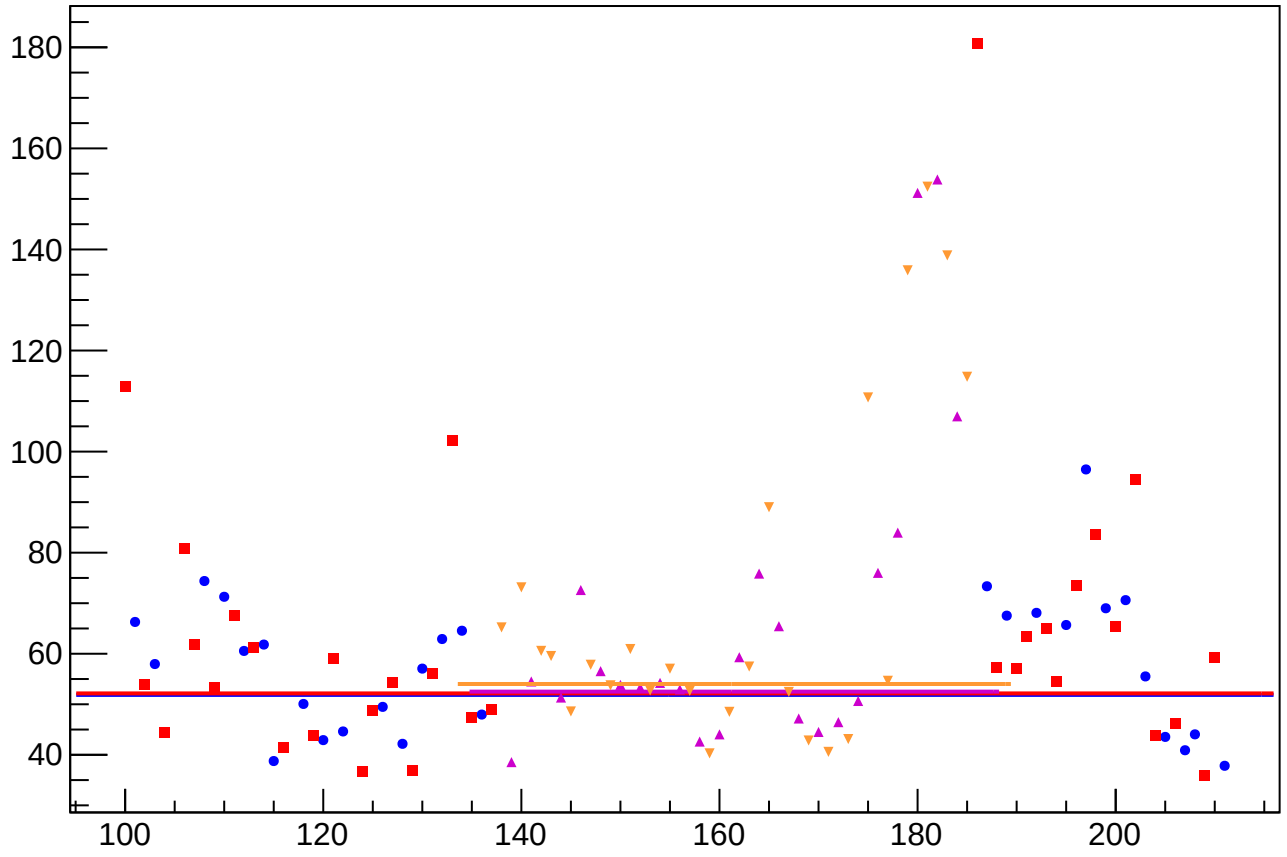
Right Out: -0.006+/-0.013 χ^2/NDF: 29.9/32

Left In: -0.010+/-0.013 χ^2/NDF:31.9/22

+ sign -0.008+/-0.009 χ^2/NDF: 58.7/52

All: -0.008+/-0.007 χ^2/NDF: 120.5/108

- sign -0.008+/-0.009 χ^2/NDF: 61.8/55



Right In: 51.857+/-0.010 χ^2/NDF: 1669767.9/27

Left Out: 54.014+/-0.009 χ^2/NDF:3227550.5/24

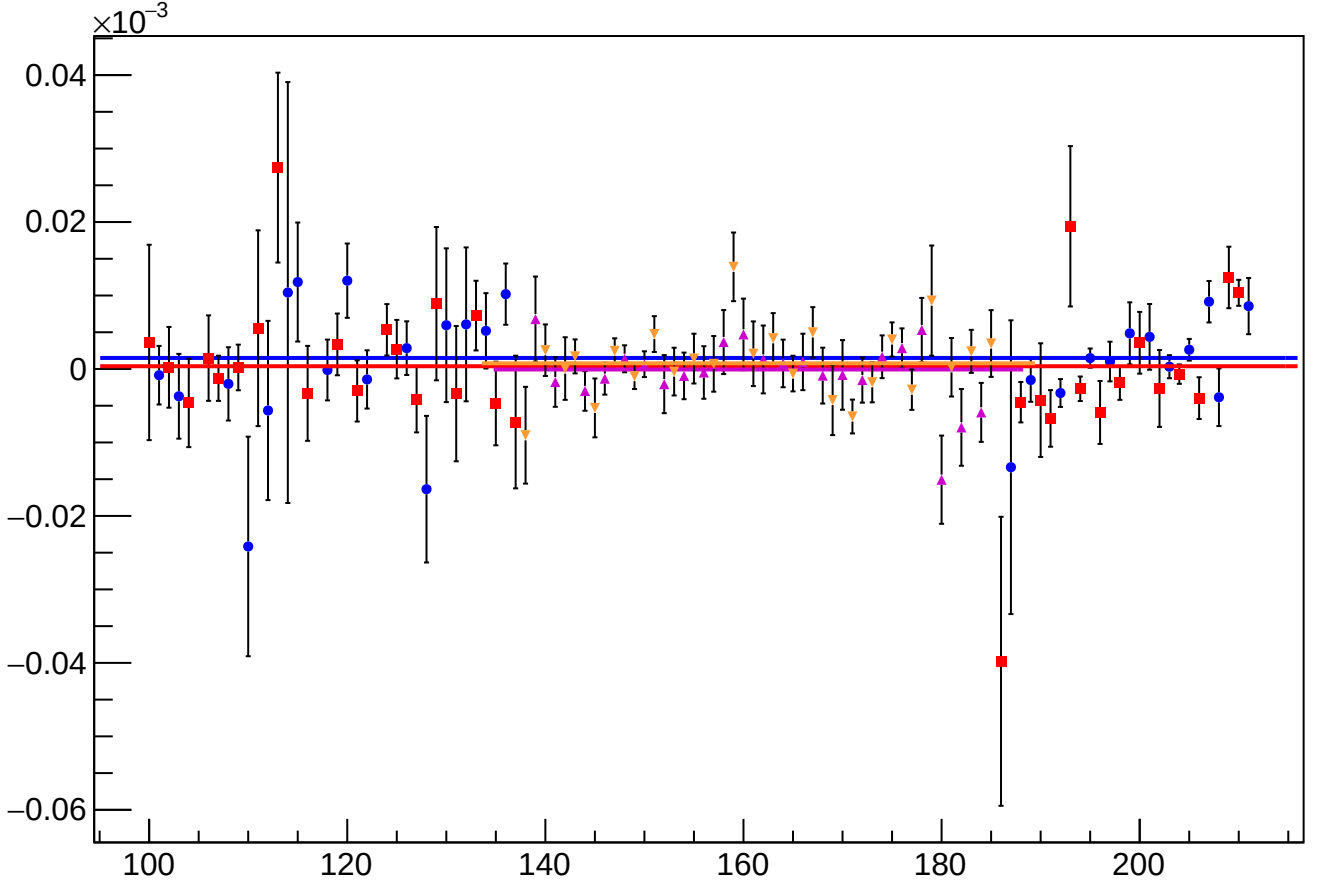
Right Out: 52.150+/-0.009 χ^2/NDF: 2287657.9/32

Left In: 52.502+/-0.009 χ^2/NDF:2557763.5/22

+ sign 52.960+/-0.007 χ^2/NDF: 4923284.1/52

All: 52.639+/-0.005 χ^2/NDF: 9773957.7/108

- sign 52.326+/-0.007 χ^2/NDF: 4846131.6/55



Right In: 0.000+/-0.000 χ^2/NDF: 43.1/27

Left Out: 0.000+/-0.000 χ^2/NDF:38.1/24

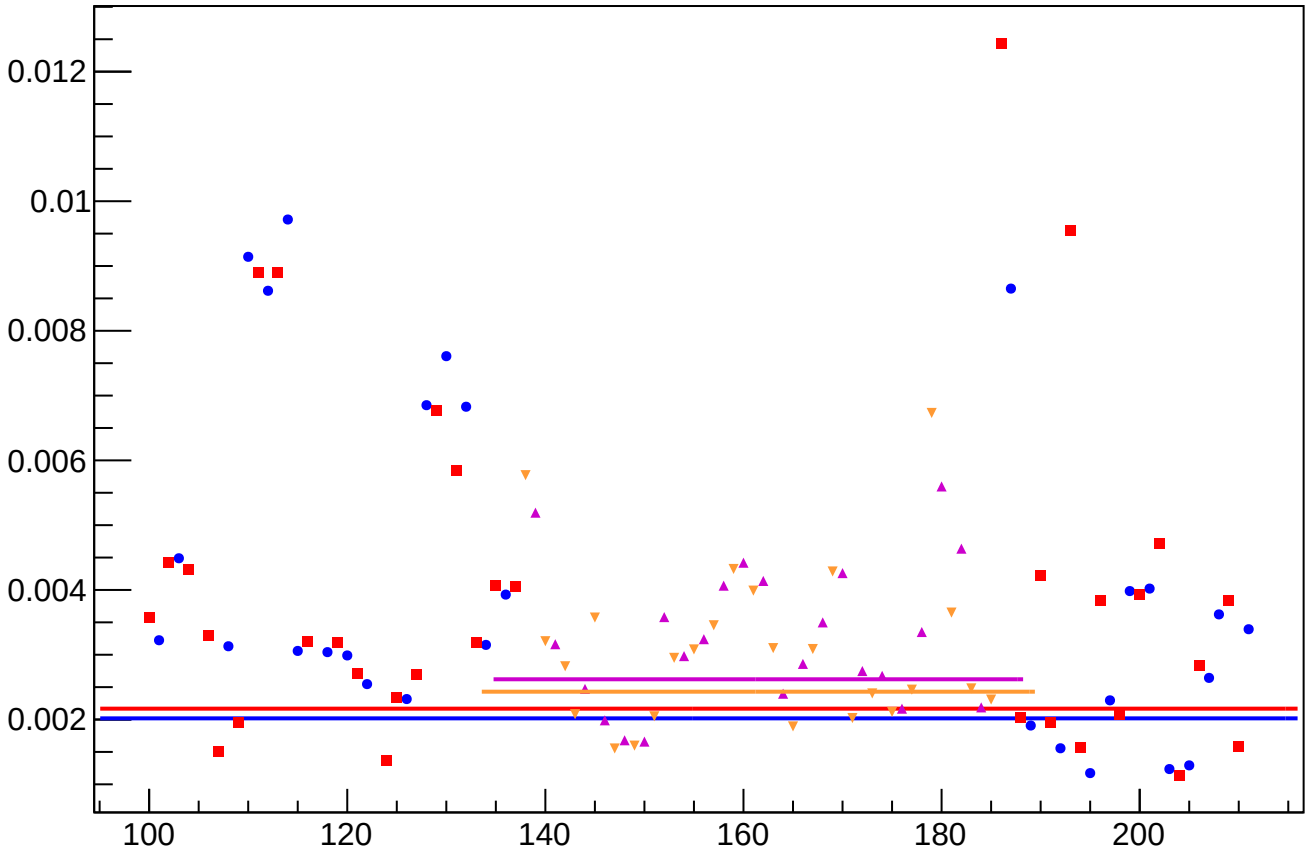
Right Out: 0.000+/-0.000 χ^2/NDF: 79.7/32

Left In: -0.000+/-0.000 χ^2/NDF:20.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 81.9/52

All: 0.000+/-0.000 χ^2/NDF: 184.6/108

- sign 0.000+/-0.000 χ^2/NDF: 100.2/55



Right In: 0.002+/-0.000 χ^2/NDF: 7802125.5/27

Left Out: 0.002+/-0.000 χ^2/NDF:4218362.5/24

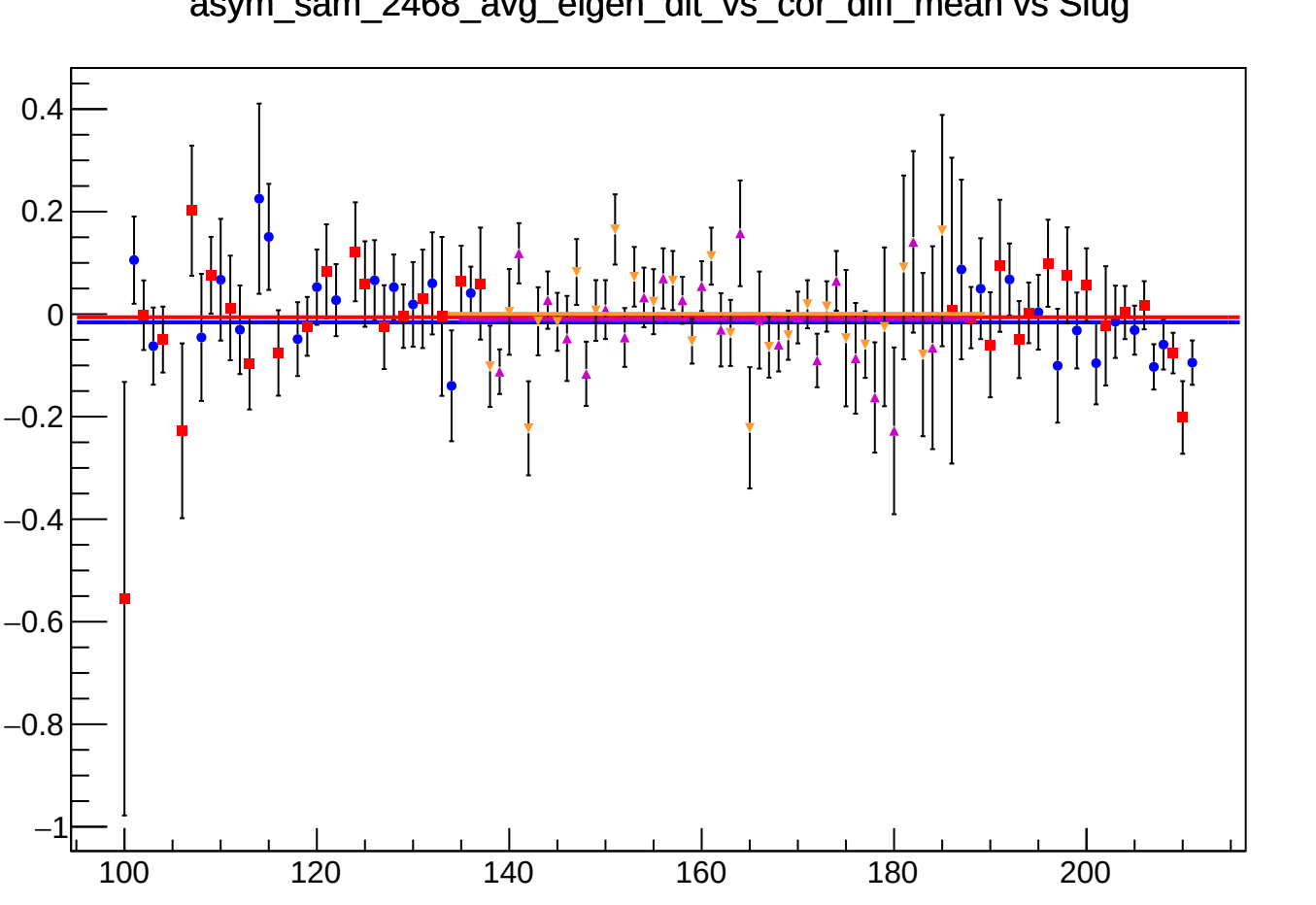
Right Out: 0.002+/-0.000 χ^2/NDF: 8172980.1/32

Left In: 0.003+/-0.000 χ^2/NDF:3955310.5/22

+ sign 0.002+/-0.000 χ^2/NDF: 12506647.4/52

All: 0.002+/-0.000 χ^2/NDF: 25269738.4/108

- sign 0.002+/-0.000 χ^2/NDF: 12642294.0/55



Right In: -0.016+/-0.014 χ^2/NDF: 26.2/27

Left Out: 0.001+/-0.013 χ^2/NDF:31.7/24

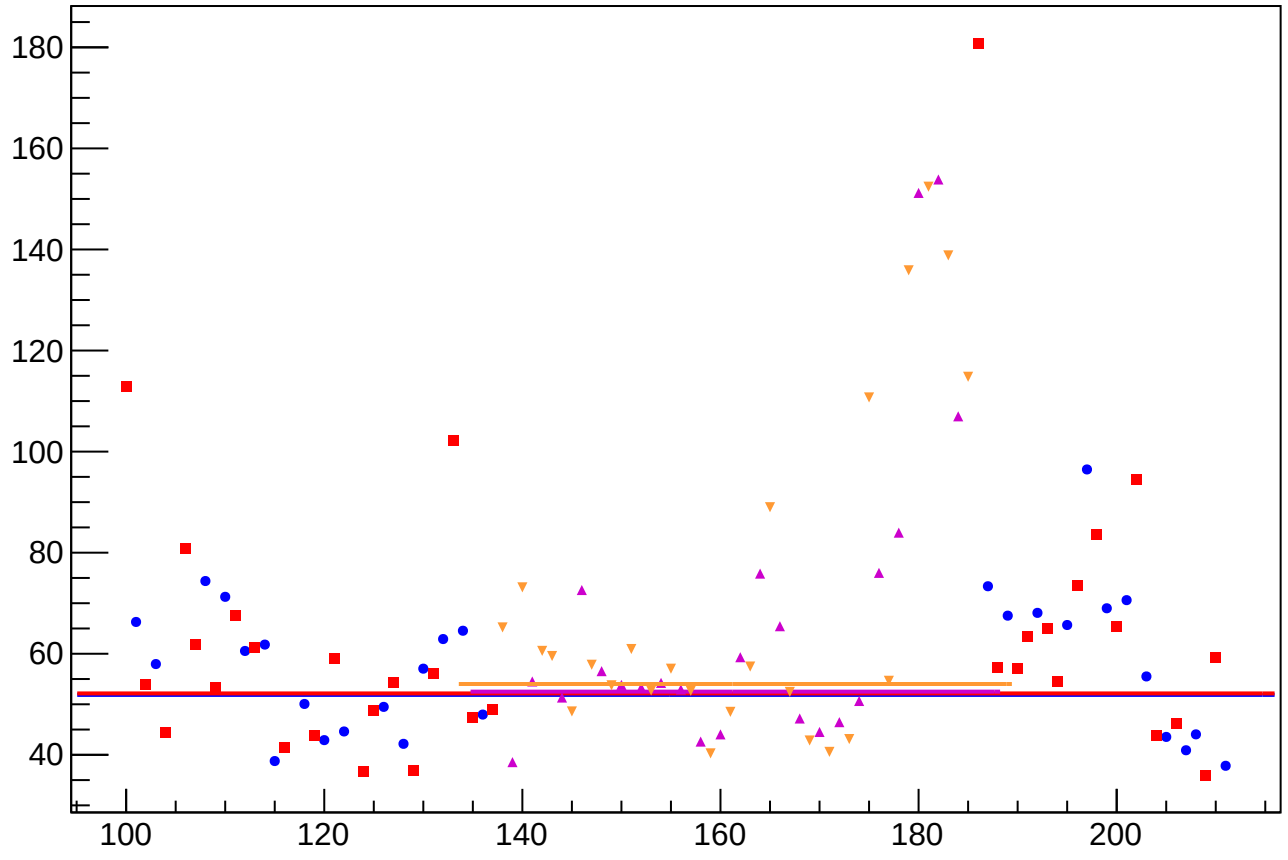
Right Out: -0.006+/-0.013 χ^2/NDF: 29.9/32

Left In: -0.010+/-0.013 χ^2/NDF:31.9/22

+ sign -0.008+/-0.009 χ^2/NDF: 58.7/52

All: -0.008+/-0.007 χ^2/NDF: 120.5/108

- sign -0.008+/-0.009 χ^2/NDF: 61.8/55



Right In: 51.856+/-0.010 χ^2/NDF: 1669664.8/27

Left Out: 54.014+/-0.009 χ^2/NDF:3227569.4/24

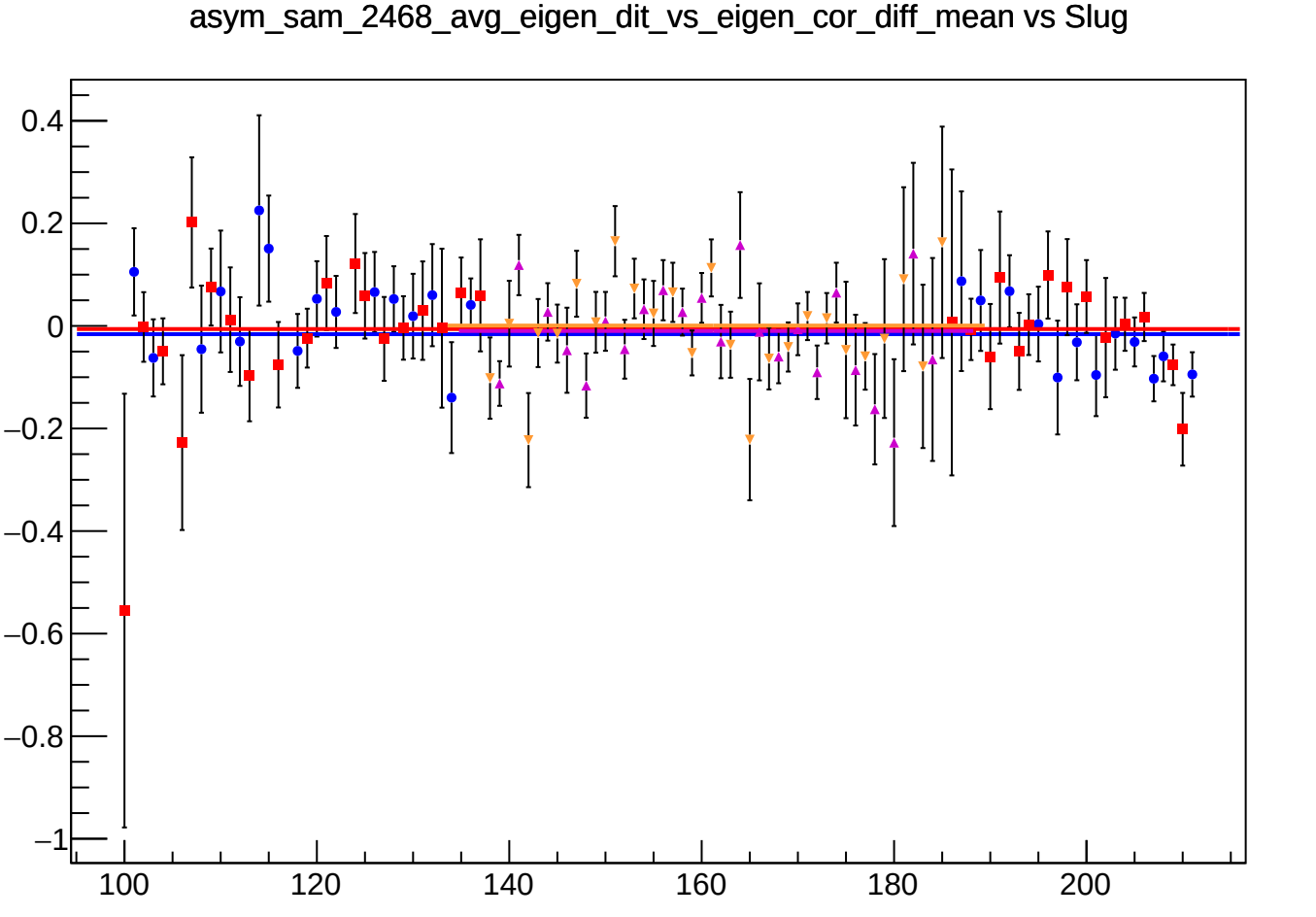
Right Out: 52.150+/-0.009 χ^2/NDF: 2287605.5/32

Left In: 52.502+/-0.009 χ^2/NDF:2557805.6/22

+ sign 52.960+/-0.007 χ^2/NDF: 4923217.3/52

All: 52.639+/-0.005 χ^2/NDF: 9773881.3/108

- sign 52.326+/-0.007 χ^2/NDF: 4846123.1/55



Right In: -0.016+/-0.014 χ^2/NDF: 26.2/27

Left Out: 0.001+/-0.013 χ^2/NDF:31.7/24

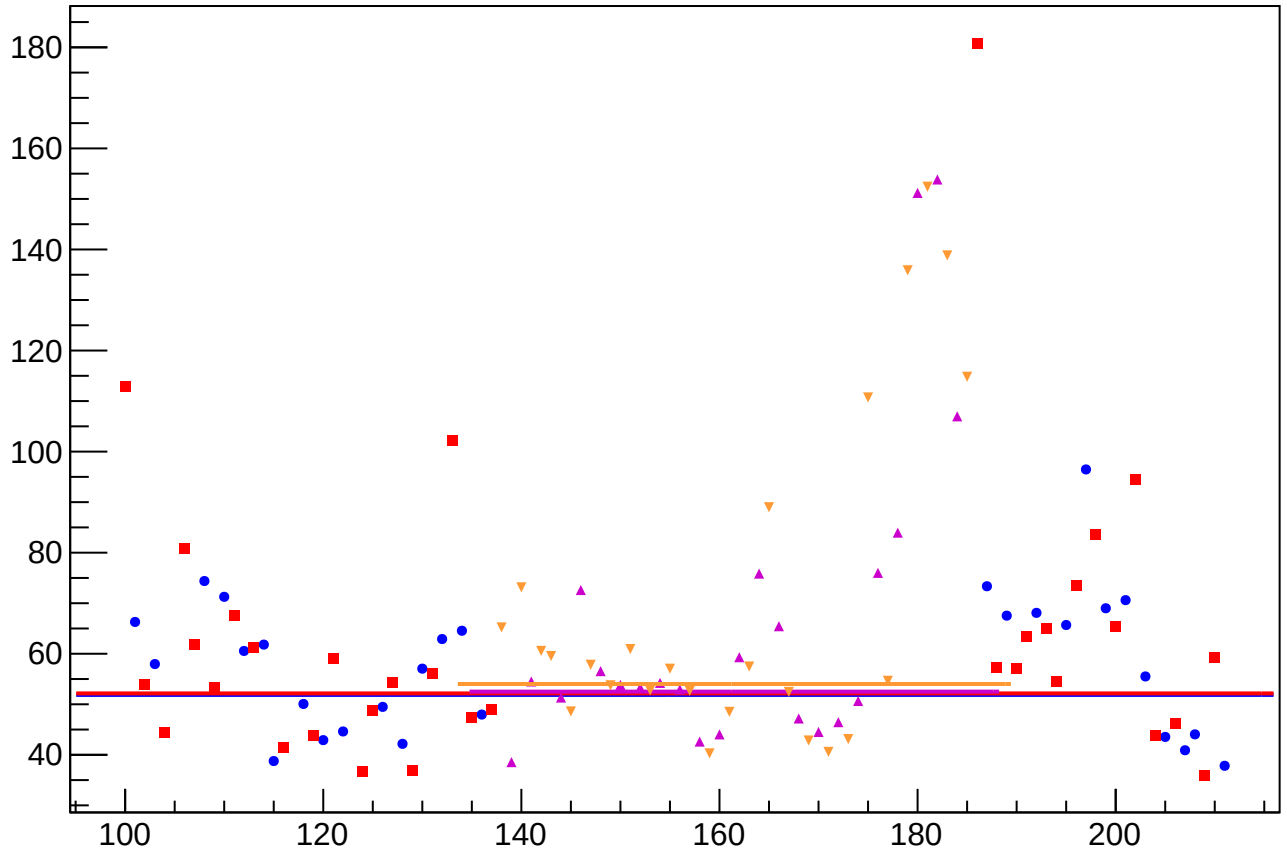
Right Out: -0.006+/-0.013 χ^2/NDF: 29.9/32

Left In: -0.010+/-0.013 χ^2/NDF:31.9/22

+ sign -0.008+/-0.009 χ^2/NDF: 58.7/52

All: -0.008+/-0.007 χ^2/NDF: 120.5/108

- sign -0.008+/-0.009 χ^2/NDF: 61.8/55



Right In: 51.856+/-0.010 χ^2/NDF: 1669664.8/27

Left Out: 54.014+/-0.009 χ^2/NDF:3227569.4/24

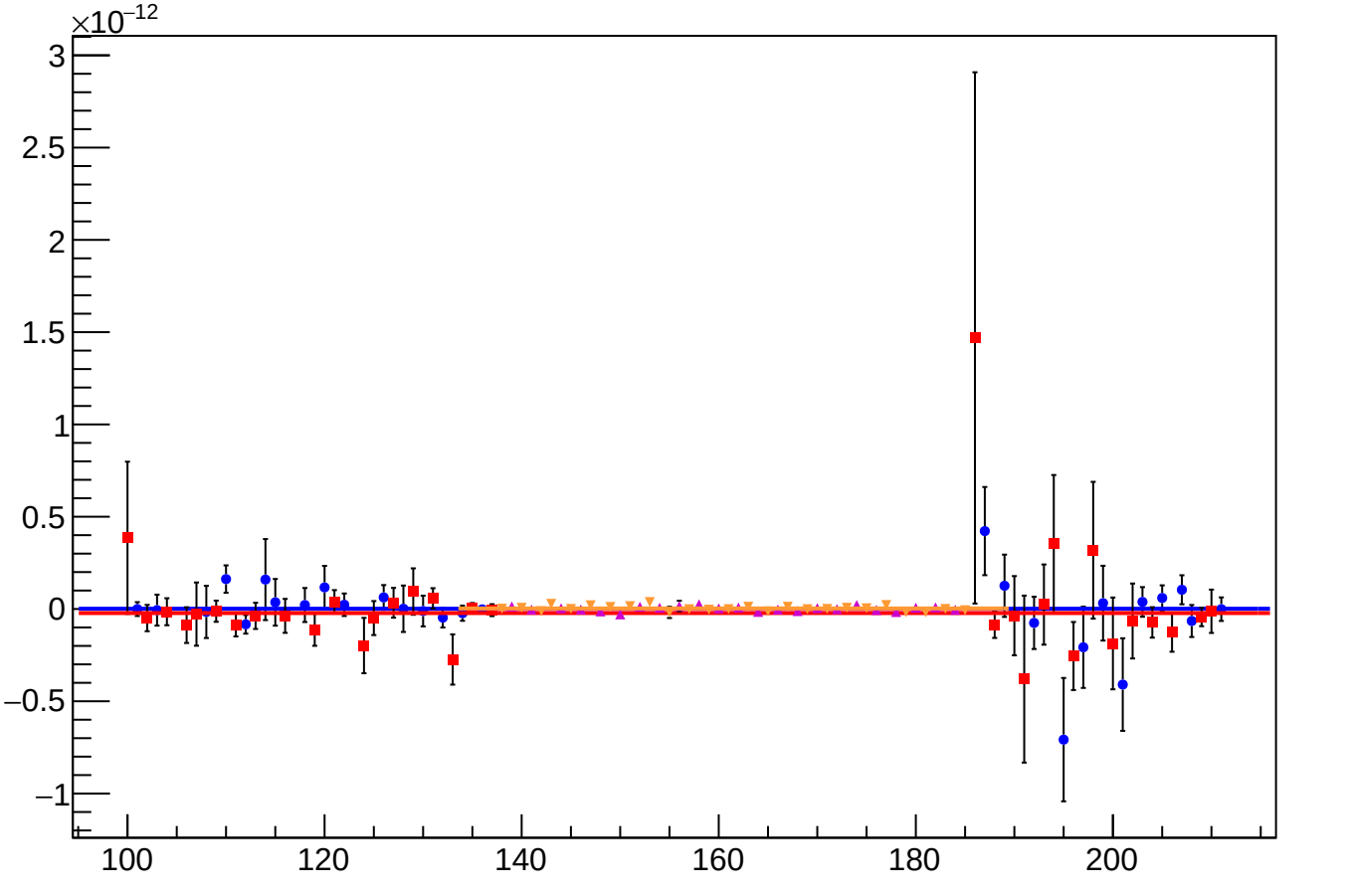
Right Out: 52.150+/-0.009 χ^2/NDF: 2287605.5/32

Left In: 52.502+/-0.009 χ^2/NDF:2557805.6/22

+ sign 52.960+/-0.007 χ^2/NDF: 4923217.3/52

All: 52.639+/-0.005 χ^2/NDF: 9773881.3/108

- sign 52.326+/-0.007 χ^2/NDF: 4846123.1/55



Right In: 0.000+/-0.000 χ^2/NDF: 26.6/27

Left Out: 0.000+/-0.000 χ^2/NDF:21.8/24

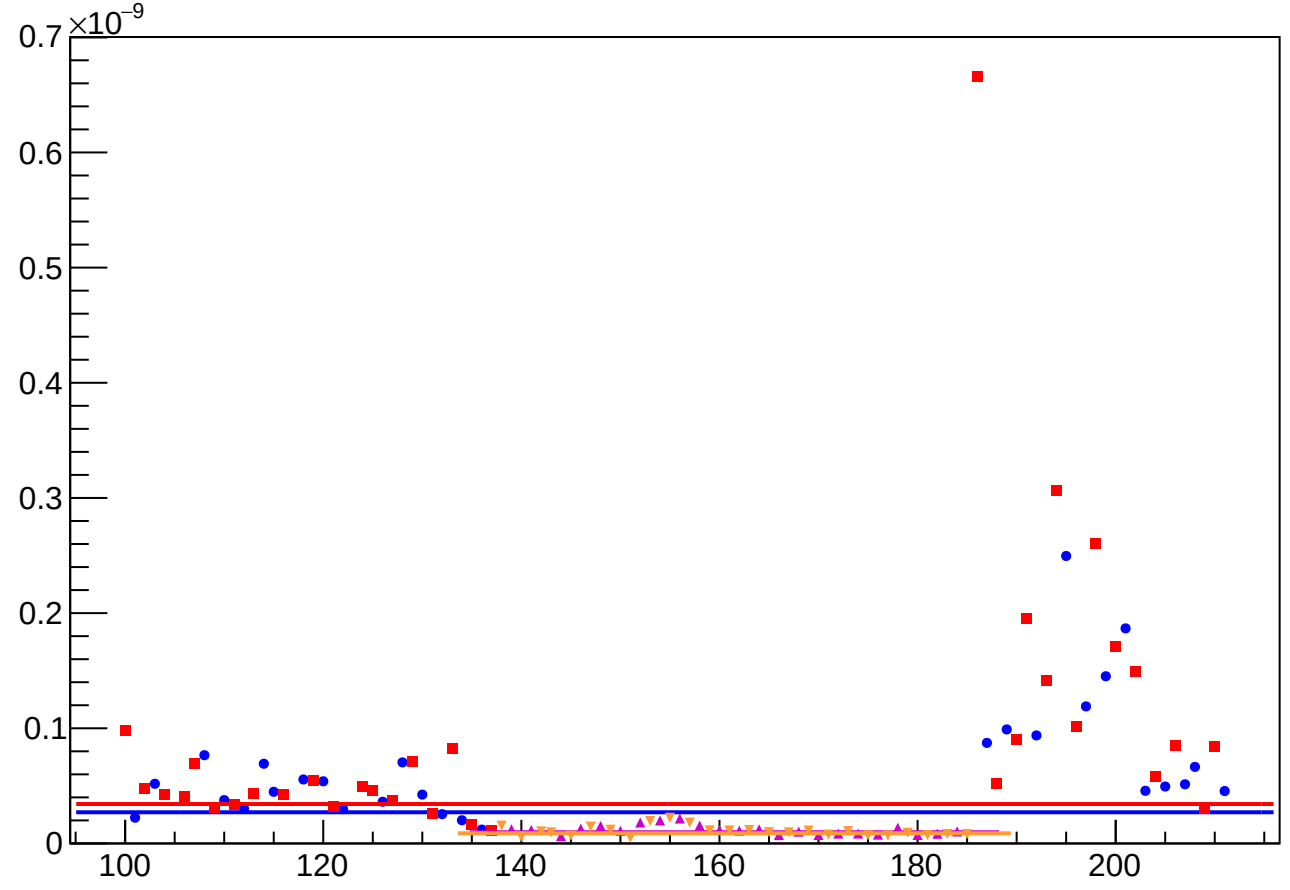
Right Out: -0.000+/-0.000 χ^2/NDF: 22.1/32

Left In: 0.000+/-0.000 χ^2/NDF:15.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 48.5/52

All: 0.000+/-0.000 χ^2/NDF: 89.3/108

- sign 0.000+/-0.000 χ^2/NDF: 40.4/55



Right In: 0.000+/-0.000 χ^2/NDF: 7681327.6/27

Left Out: 0.000+/-0.000 χ^2/NDF:2517075.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8460762.8/32

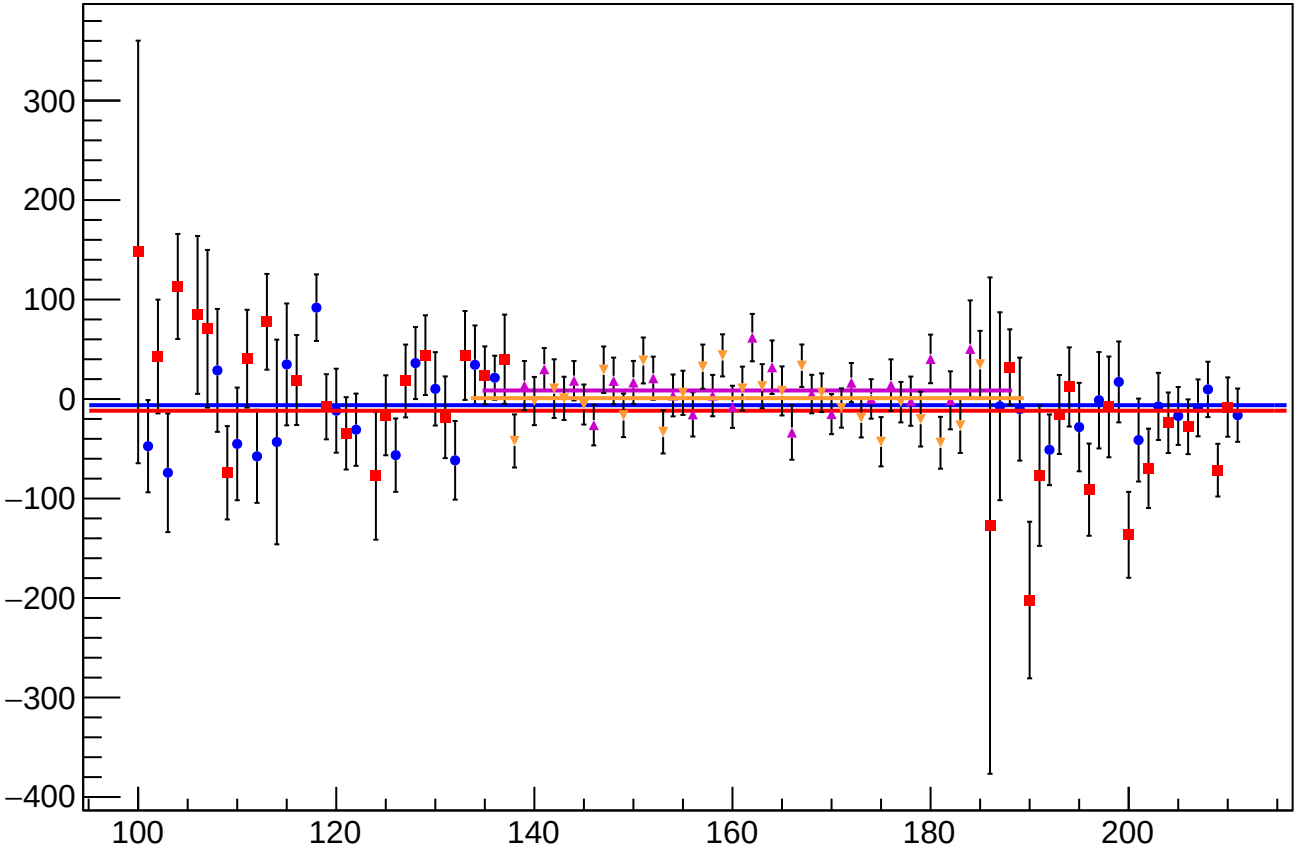
Left In: 0.000+/-0.000 χ^2/NDF:2320113.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 15283507.2/52

All: 0.000+/-0.000 χ^2/NDF: 32872912.4/108

- sign 0.000+/-0.000 χ^2/NDF: 17430893.2/55

reg_asym_sam_1357_2468_dd_mean vs Slug



Right In: -6.188+/-7.206 χ^2/NDF: 25.2/27

Left Out: 0.917+/-4.574 χ^2/NDF:29.2/24

Right Out: -11.736+/-7.294 χ^2/NDF: 52.5/32

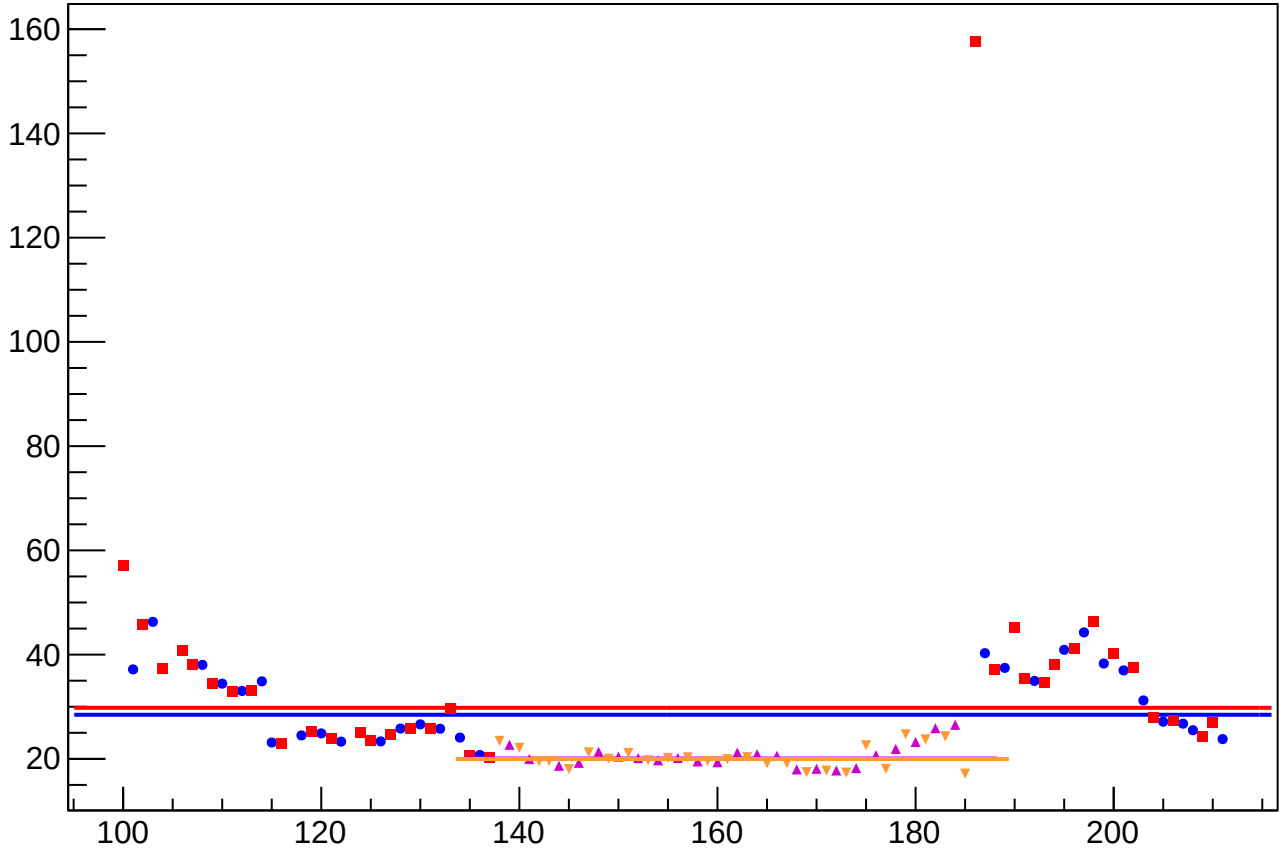
Left In: 8.600+/-4.724 χ^2/NDF:19.4/22

+ sign -1.124+/-3.862 χ^2/NDF: 55.2/52

All: 0.685+/-2.766 χ^2/NDF: 133.0/108

- sign 2.591+/-3.965 χ^2/NDF: 77.4/55

reg_asym_sam_1357_2468_dd_rms vs Slug



Right In: 28.462+/-0.005 χ^2/NDF: 1611761.3/27

Left Out: 19.969+/-0.003 χ^2/NDF:386763.9/24

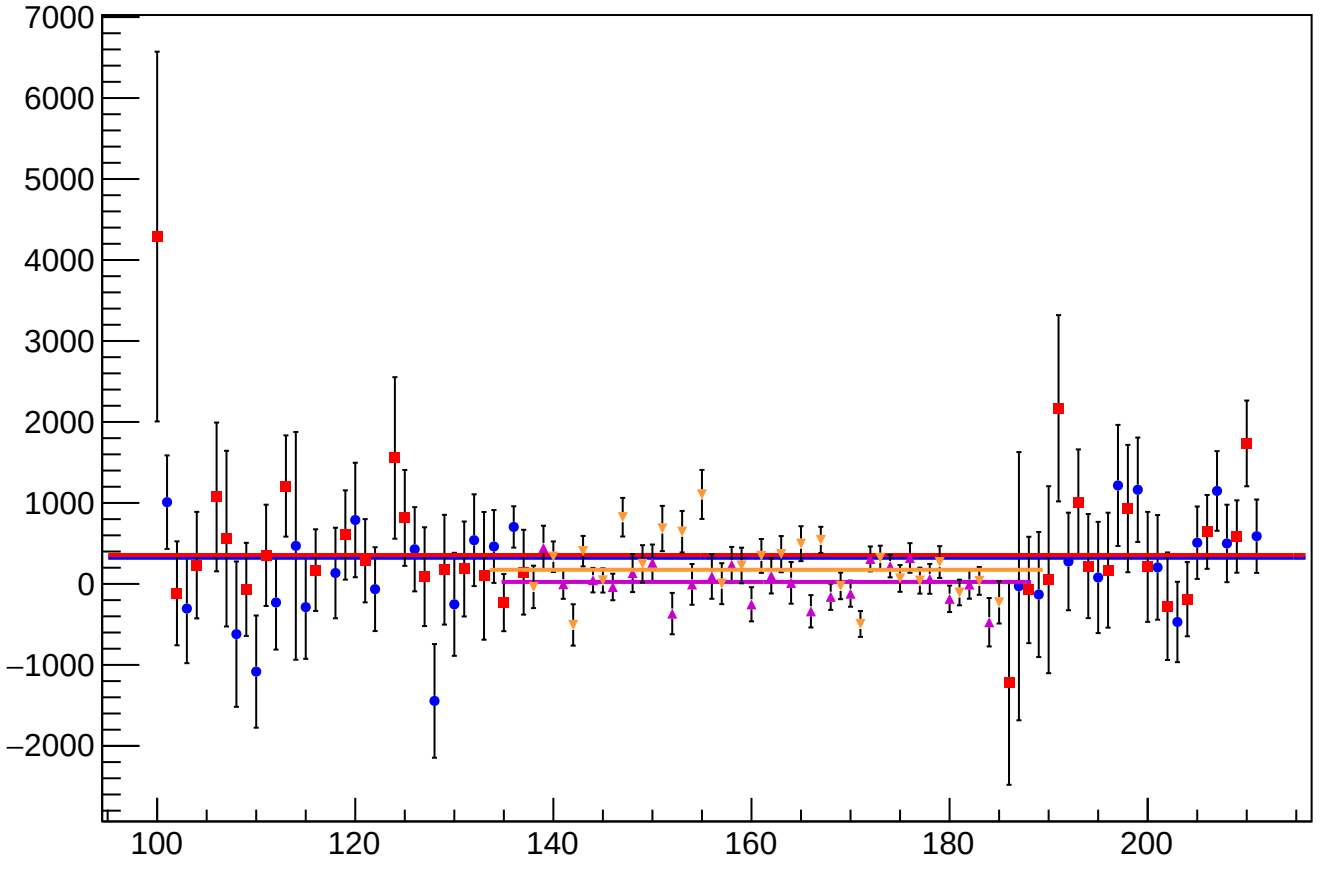
Right Out: 29.801+/-0.005 χ^2/NDF: 2349643.6/32

Left In: 20.072+/-0.003 χ^2/NDF:301705.2/22

+ sign 22.408+/-0.003 χ^2/NDF: 3979200.0/52

All: 22.670+/-0.002 χ^2/NDF: 9156236.4/108

- sign 22.947+/-0.003 χ^2/NDF: 5158069.1/55



Right In: 322.979+/-104.879 χ^2/NDF: 29.8/27

Left Out: 174.693+/-39.049 χ^2/NDF:71.2/24

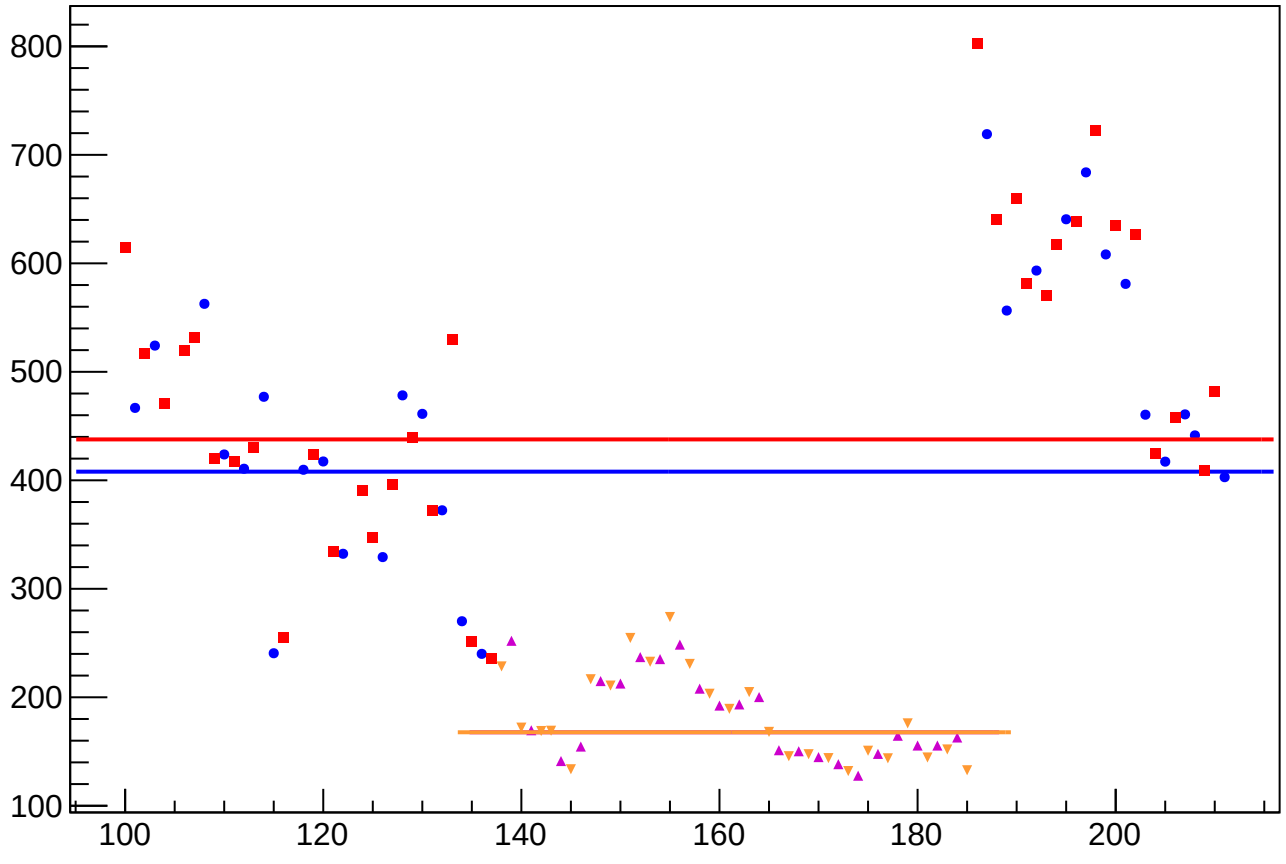
Right Out: 357.135+/-107.538 χ^2/NDF: 28.4/32

Left In: 24.589+/-40.070 χ^2/NDF:26.9/22

+ sign 192.746+/-36.595 χ^2/NDF: 102.8/52

All: 130.580+/-26.207 χ^2/NDF: 172.4/108

- sign 65.131+/-37.548 χ^2/NDF: 63.7/55



Right In: 407.979+/-0.074 χ^2/NDF: 2695208.7/27

Left Out: 167.754+/-0.028 χ^2/NDF:1578232.9/24

Right Out: 437.704+/-0.076 χ^2/NDF: 2877818.2/32

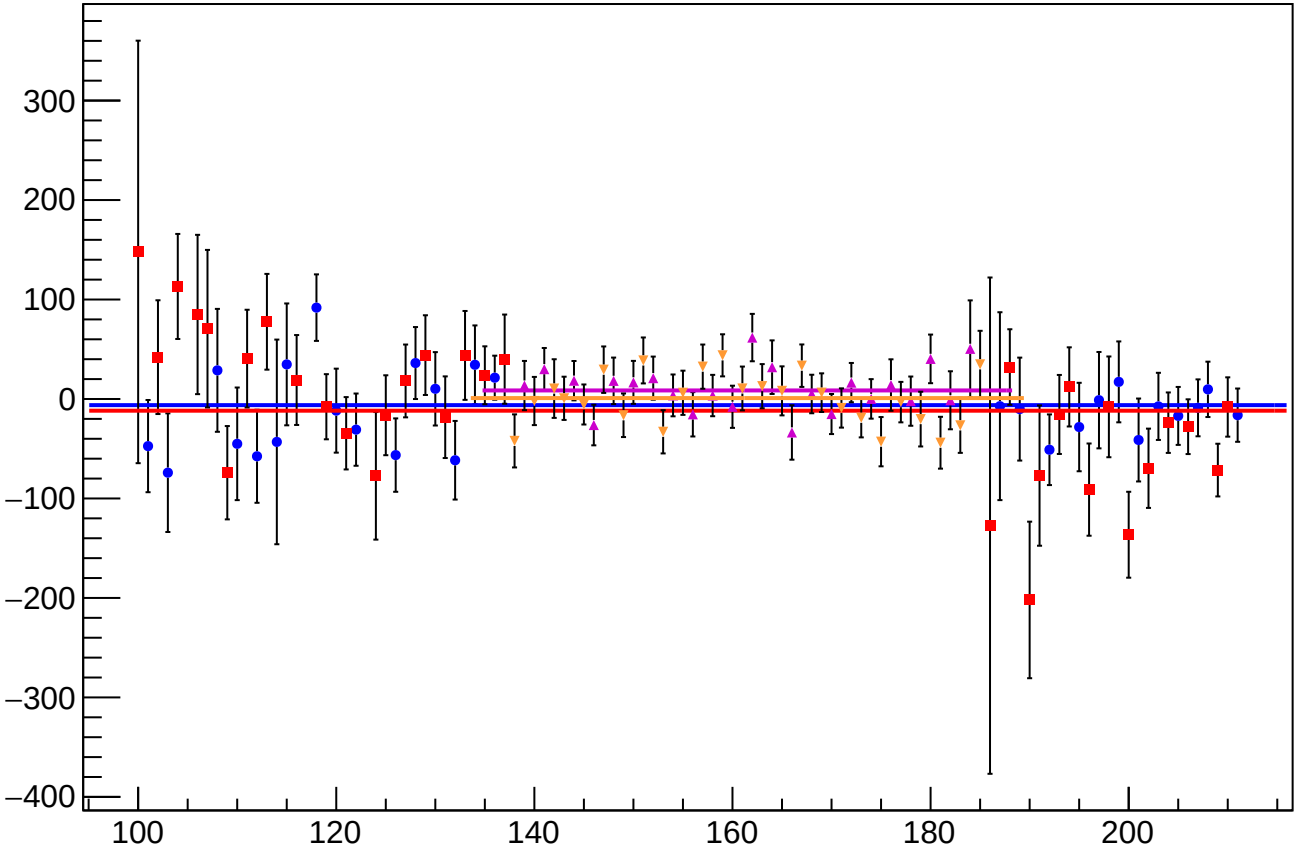
Left In: 167.748+/-0.028 χ^2/NDF:1403124.0/22

+ sign 197.001+/-0.026 χ^2/NDF: 13488688.2/52

All: 198.783+/-0.019 χ^2/NDF: 28846212.1/10

- sign 200.660+/-0.027 χ^2/NDF: 15347787.3/55

cor_asym_sam_1357_2468_dd_mean vs Slug



Right In: -6.186+/-7.206 χ^2/NDF: 25.2/27

Left Out: 0.915+/-4.574 χ^2/NDF:29.2/24

Right Out: -11.759+/-7.294 χ^2/NDF: 52.5/32

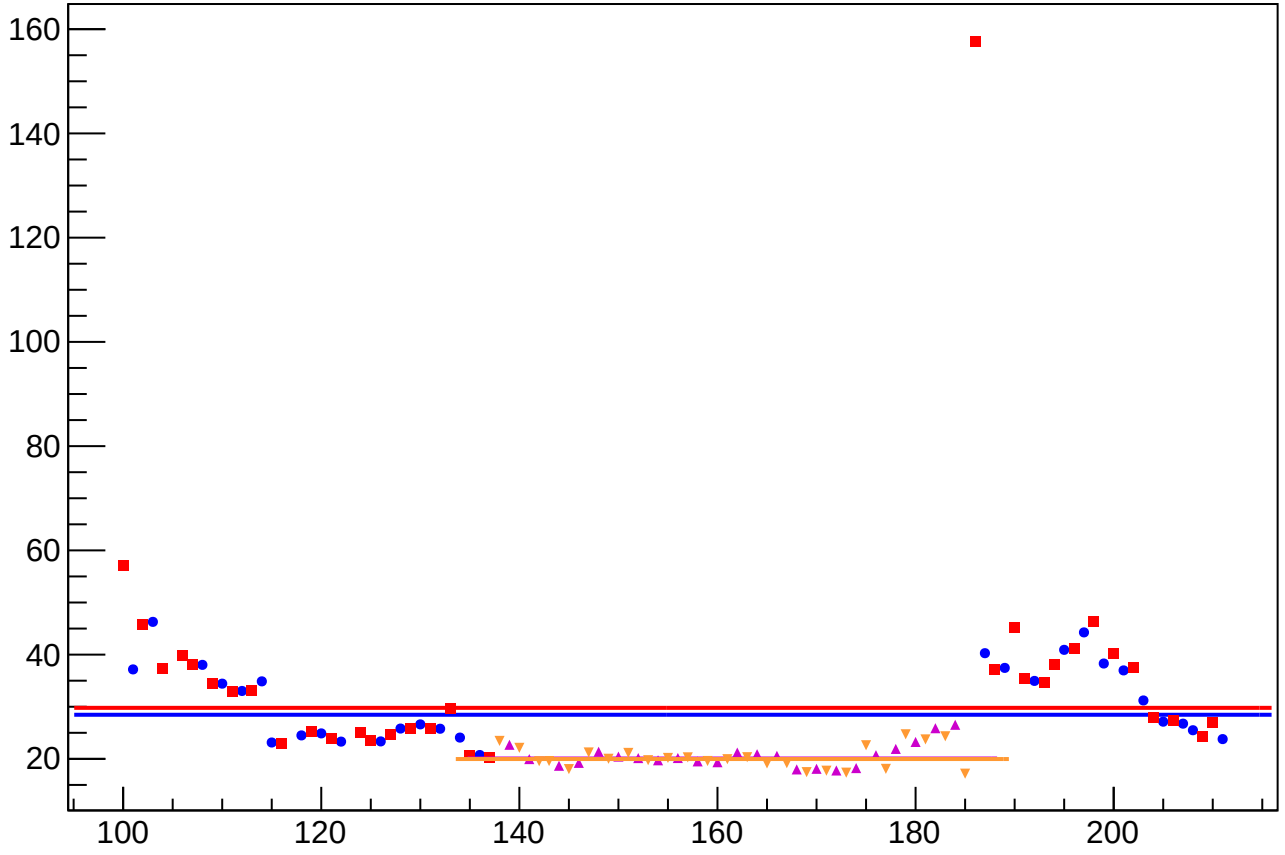
Left In: 8.600+/-4.724 χ^2/NDF:19.4/22

+ sign -1.125+/-3.862 χ^2/NDF: 55.2/52

All: 0.681+/-2.766 χ^2/NDF: 132.9/108

- sign 2.585+/-3.965 χ^2/NDF: 77.3/55

cor_asym_sam_1357_2468_dd_rms vs Slug



Right In: 28.462+/-0.005 χ^2/NDF: 1611764.5/27

Left Out: 19.969+/-0.003 χ^2/NDF:386763.9/24

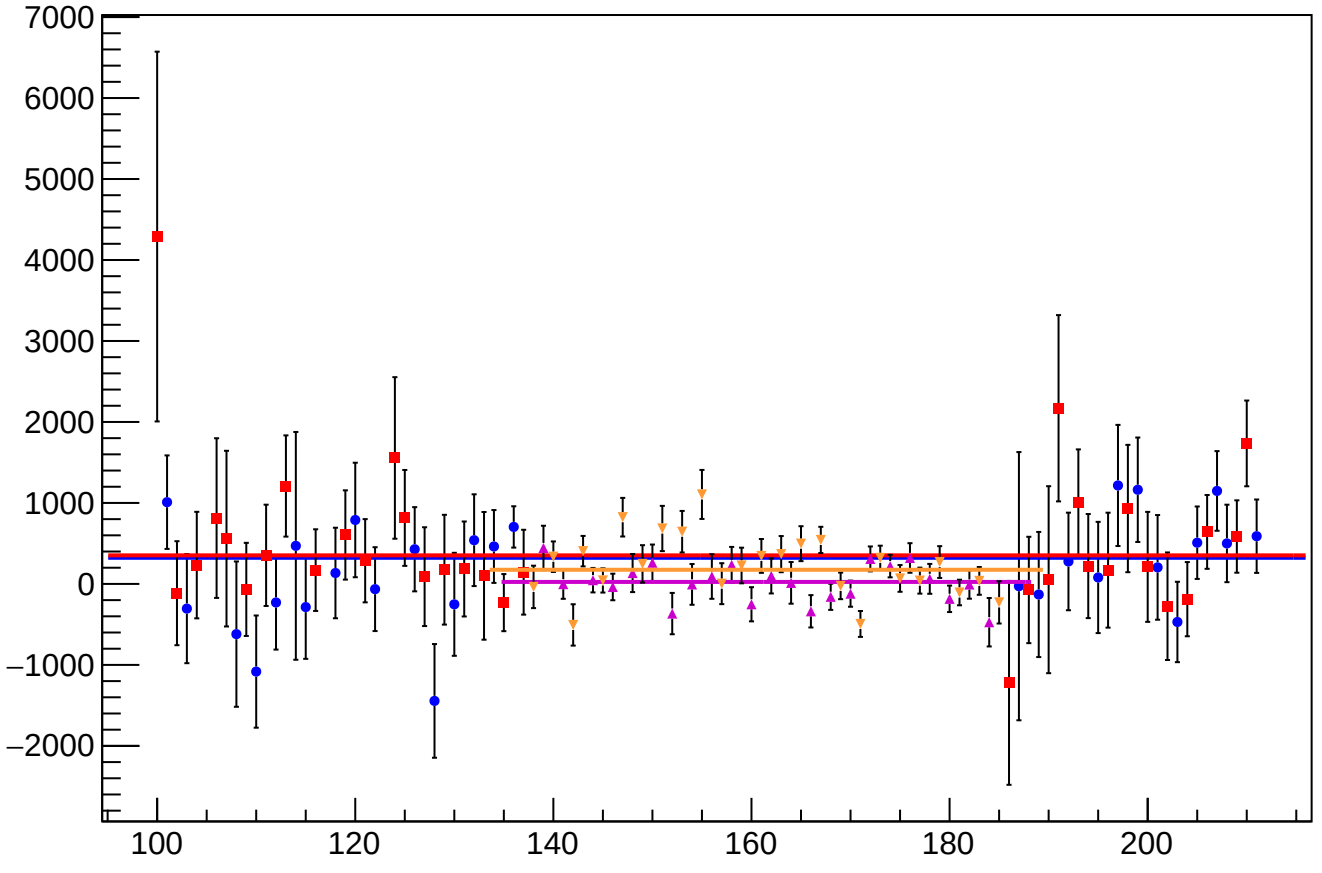
Right Out: 29.790+/-0.005 χ^2/NDF: 2342066.8/32

Left In: 20.072+/-0.003 χ^2/NDF:301705.2/22

+ sign 22.408+/-0.003 χ^2/NDF: 3979203.4/52

All: 22.669+/-0.002 χ^2/NDF: 9142657.8/108

- sign 22.943+/-0.003 χ^2/NDF: 5144731.3/55



Right In: 322.975+/-104.879 χ^2/NDF: 29.8/27

Left Out: 174.691+/-39.049 χ^2/NDF:71.2/24

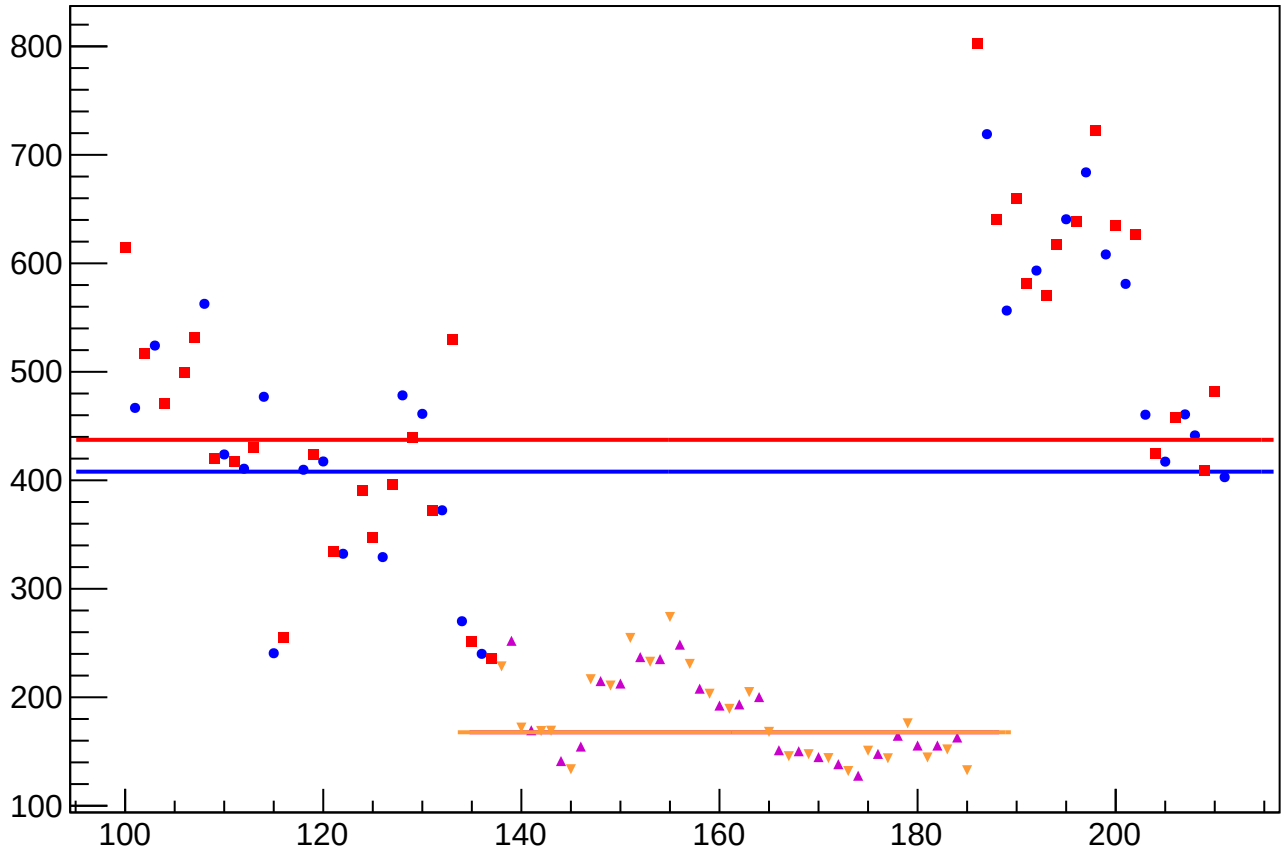
Right Out: 352.781+/-107.637 χ^2/NDF: 28.0/32

Left In: 24.590+/-40.070 χ^2/NDF:26.9/22

+ sign 192.744+/-36.595 χ^2/NDF: 102.8/52

All: 130.296+/-26.209 χ^2/NDF: 171.8/108

- sign 64.537+/-37.553 χ^2/NDF: 63.1/55



Right In: 407.979+/-0.074 χ^2/NDF: 2695234.0/27

Left Out: 167.754+/-0.028 χ^2/NDF:1578231.3/24

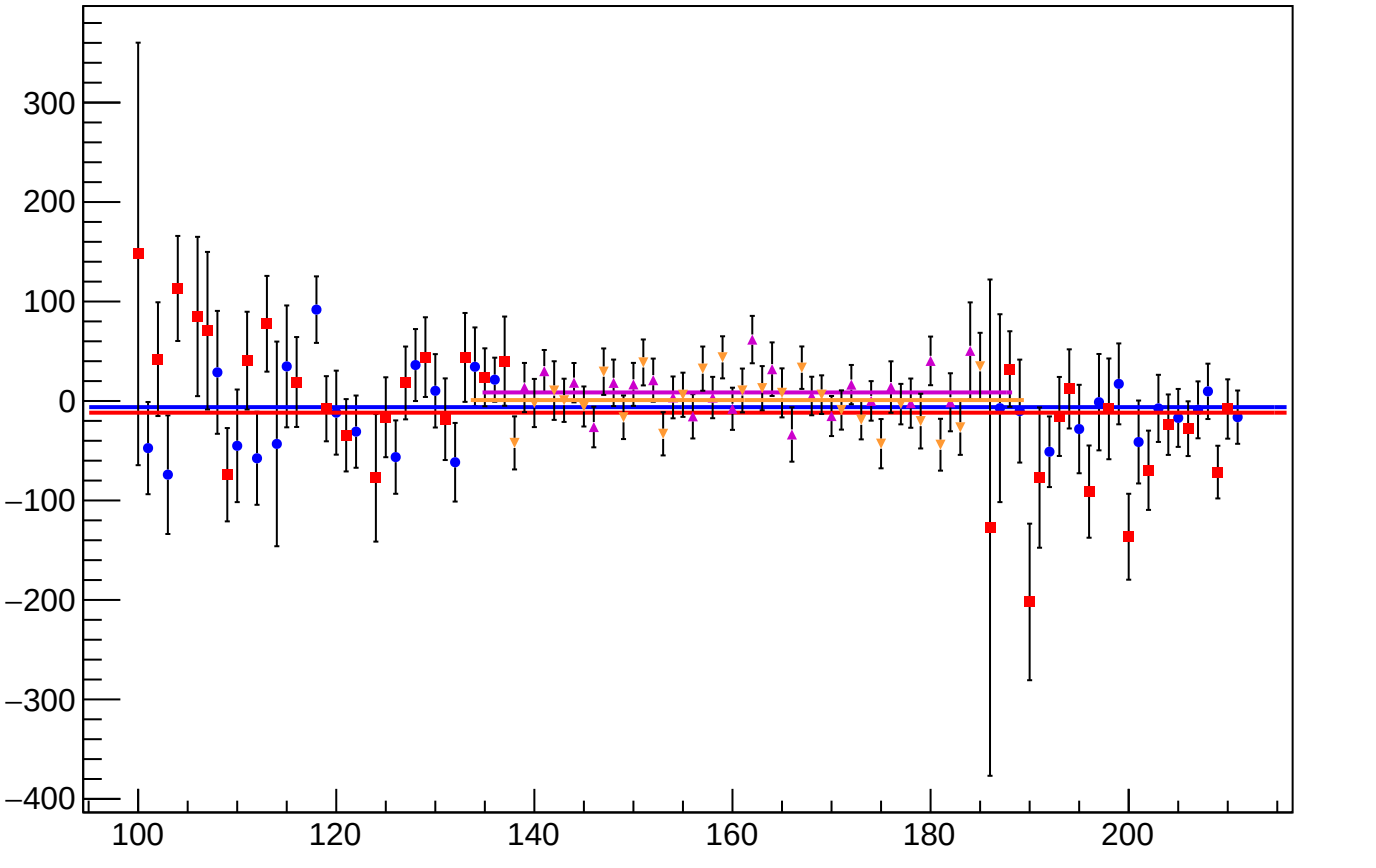
Right Out: 437.318+/-0.076 χ^2/NDF: 2869815.8/32

Left In: 167.748+/-0.028 χ^2/NDF:1403120.1/22

+ sign 197.001+/-0.026 χ^2/NDF: 13488713.2/52

All: 198.735+/-0.019 χ^2/NDF: 28788331.3/10

- sign 200.560+/-0.027 χ^2/NDF: 15290406.0/55



Right In: -6.186+/-7.206 χ^2/NDF: 25.2/27

Left Out: 0.915+/-4.574 χ^2/NDF:29.2/24

Right Out: -11.759+/-7.294 χ^2/NDF: 52.5/32

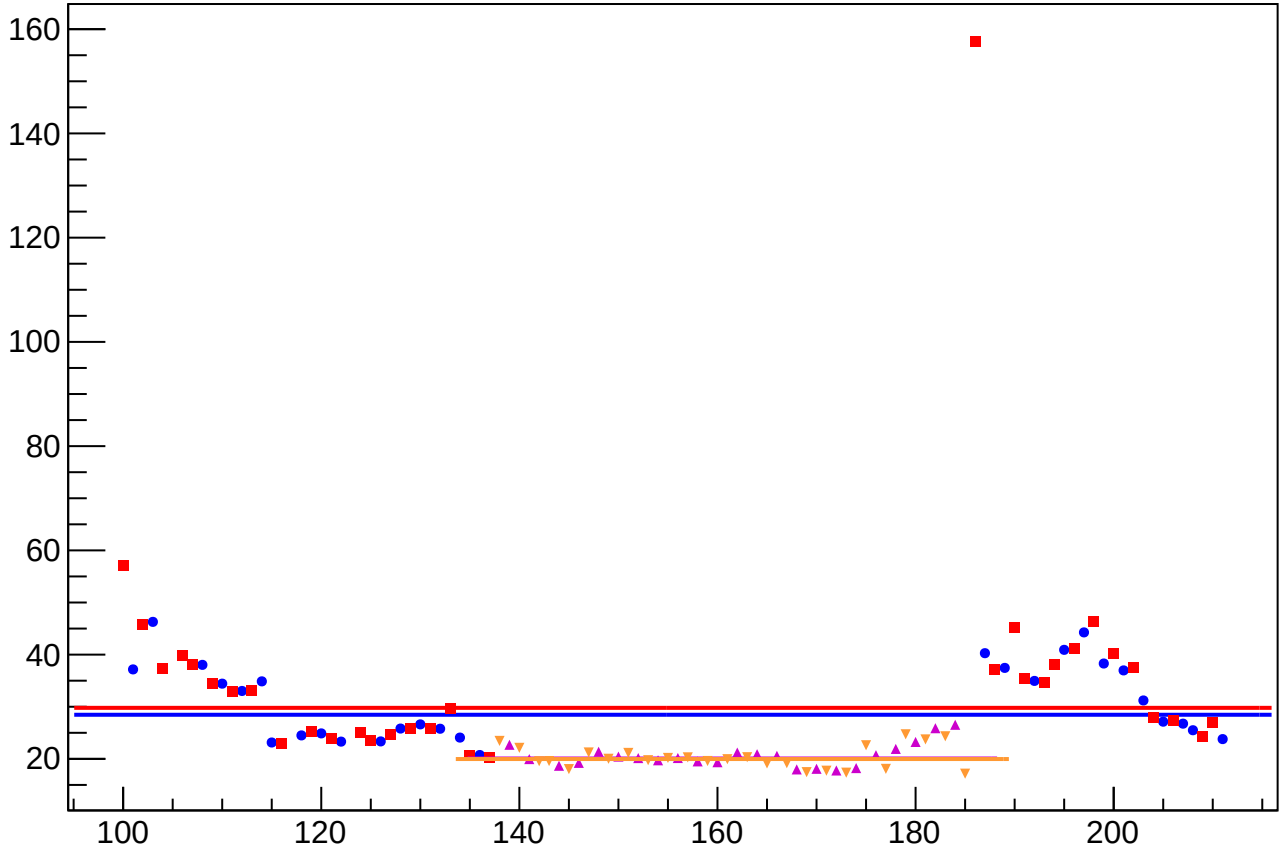
Left In: 8.600+/-4.724 χ^2/NDF:19.4/22

+ sign -1.125+/-3.862 χ^2/NDF: 55.2/52

All: 0.681+/-2.766 χ^2/NDF: 132.9/108

- sign 2.585+/-3.965 χ^2/NDF: 77.3/55

eigen_cor_asym_sam_1357_2468_dd_rms vs Slug



Right In: 28.462+/-0.005 χ^2/NDF: 1611764.5/27

Left Out: 19.969+/-0.003 χ^2/NDF:386763.9/24

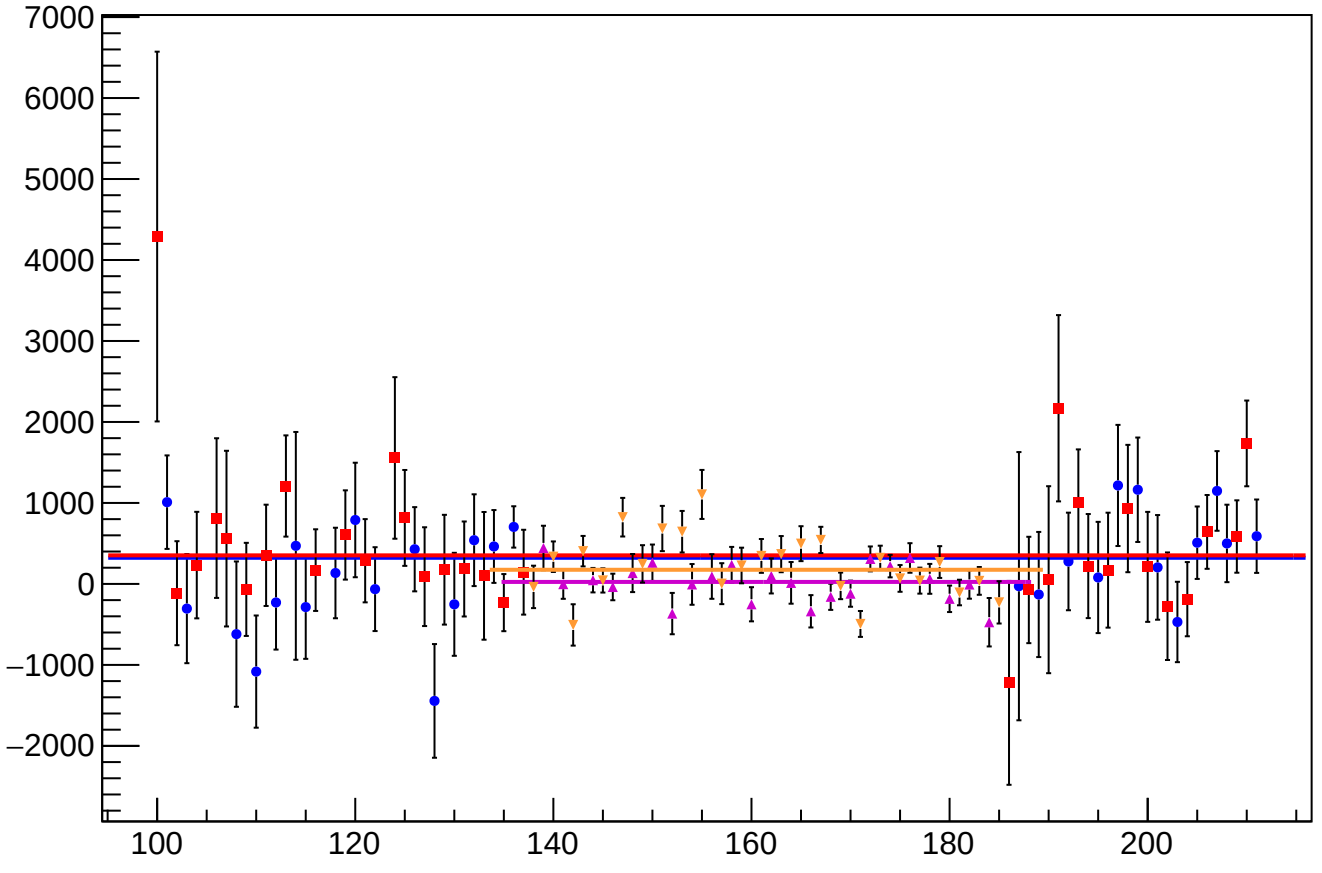
Right Out: 29.790+/-0.005 χ^2/NDF: 2342066.8/32

Left In: 20.072+/-0.003 χ^2/NDF:301705.2/22

+ sign 22.408+/-0.003 χ^2/NDF: 3979203.4/52

All: 22.669+/-0.002 χ^2/NDF: 9142657.8/108

- sign 22.943+/-0.003 χ^2/NDF: 5144731.3/55



Right In: 322.975+/-104.879 χ^2/NDF: 29.8/27

Left Out: 174.691+/-39.049 χ^2/NDF:71.2/24

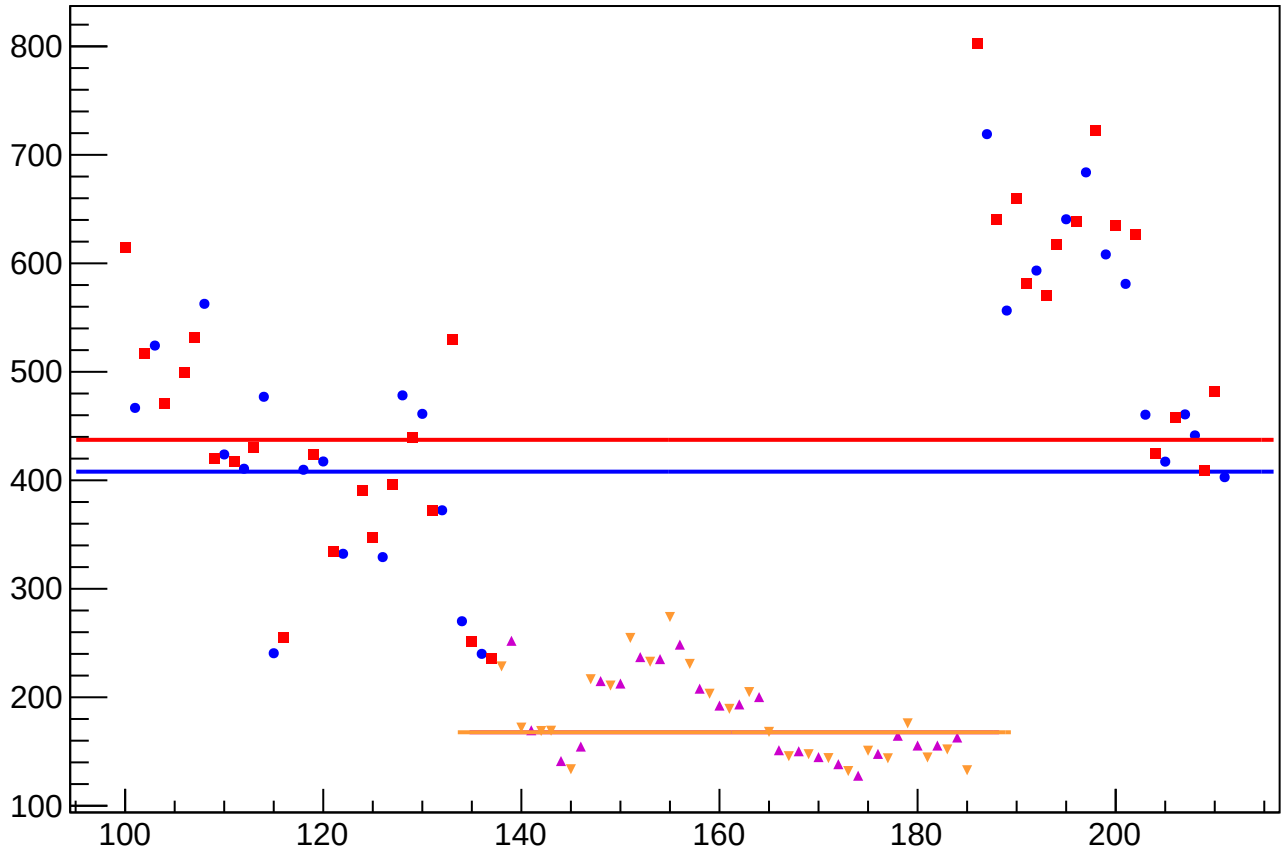
Right Out: 352.781+/-107.637 χ^2/NDF: 28.0/32

Left In: 24.590+/-40.070 χ^2/NDF:26.9/22

+ sign 192.744+/-36.595 χ^2/NDF: 102.8/52

All: 130.296+/-26.209 χ^2/NDF: 171.8/108

- sign 64.537+/-37.553 χ^2/NDF: 63.1/55



Right In: 407.979+/-0.074 χ^2/NDF: 2695234.0/27

Left Out: 167.754+/-0.028 χ^2/NDF:1578231.3/24

Right Out: 437.318+/-0.076 χ^2/NDF: 2869815.8/32

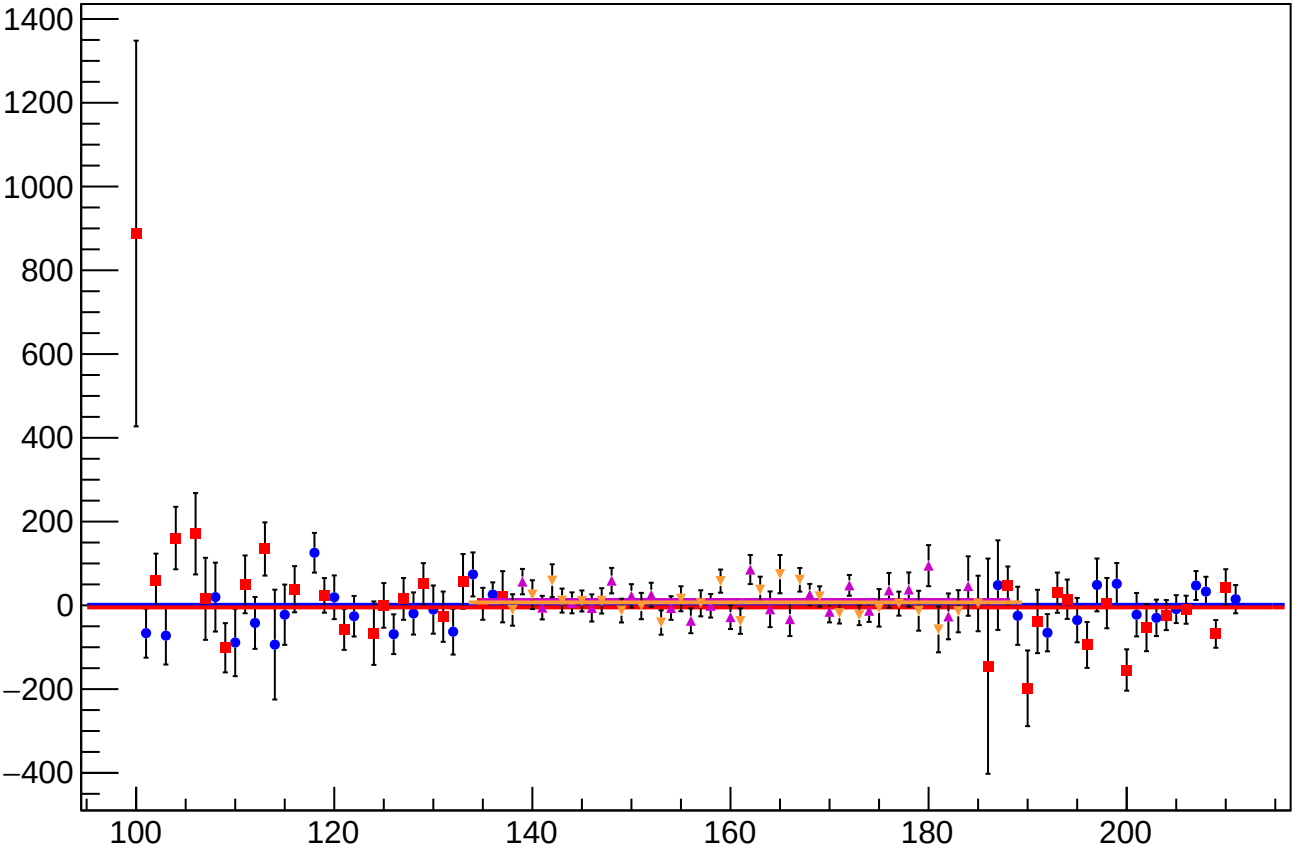
Left In: 167.748+/-0.028 χ^2/NDF:1403120.1/22

+ sign 197.001+/-0.026 χ^2/NDF: 13488713.2/52

All: 198.735+/-0.019 χ^2/NDF: 28788331.3/10

- sign 200.560+/-0.027 χ^2/NDF: 15290406.0/55

dit_asym_sam_1357_2468_dd_mean vs Slug



Right In: 1.213+/-9.241 χ^2/NDF: 26.8/27

Left Out: 7.079+/-6.333 χ^2/NDF:22.7/24

Right Out: -4.802+/-9.272 χ^2/NDF: 51.5/32

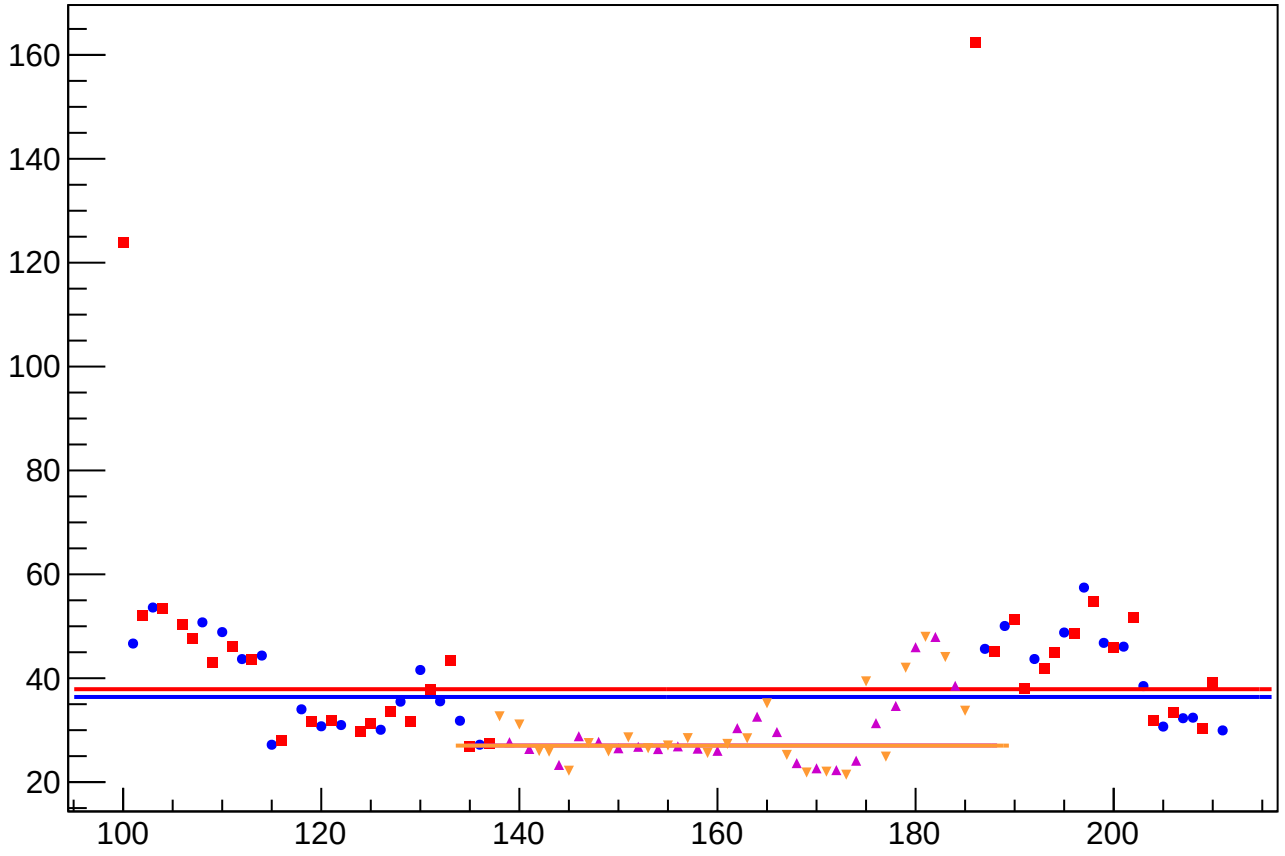
Left In: 12.697+/-6.513 χ^2/NDF:25.6/22

+ sign 5.205+/-5.224 χ^2/NDF: 49.8/52

All: 6.043+/-3.731 χ^2/NDF: 129.3/108

- sign 6.915+/-5.330 χ^2/NDF: 79.5/55

dit_asym_sam_1357_2468_dd_rms vs Slug



Right In: 36.389+/-0.007 χ^2/NDF: 1510922.6/27

Left Out: 27.026+/-0.004 χ^2/NDF:1430523.7/24

Right Out: 37.889+/-0.007 χ^2/NDF: 2074863.9/32

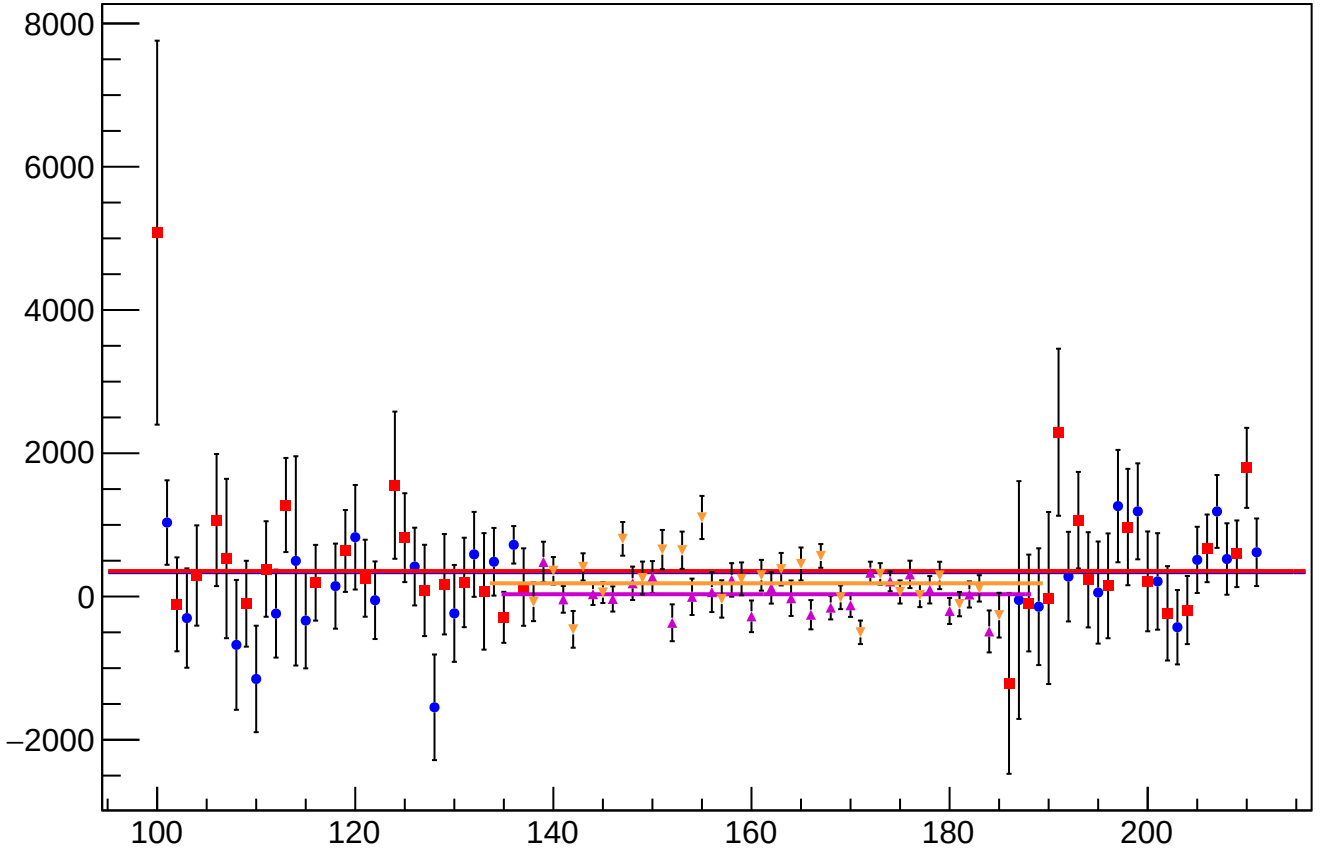
Left In: 27.052+/-0.005 χ^2/NDF:1044359.4/22

+ sign 30.018+/-0.004 χ^2/NDF: 4338264.6/52

All: 30.319+/-0.003 χ^2/NDF: 9300397.6/108

- sign 30.633+/-0.004 χ^2/NDF: 4948570.3/55

asym_sam_1357_2468_dd_dit_correction_mean vs Slug



Right In: 339.776+/-109.090 χ^2/NDF: 29.4/27

Left Out: 184.675+/-39.832 χ^2/NDF:67.7/24

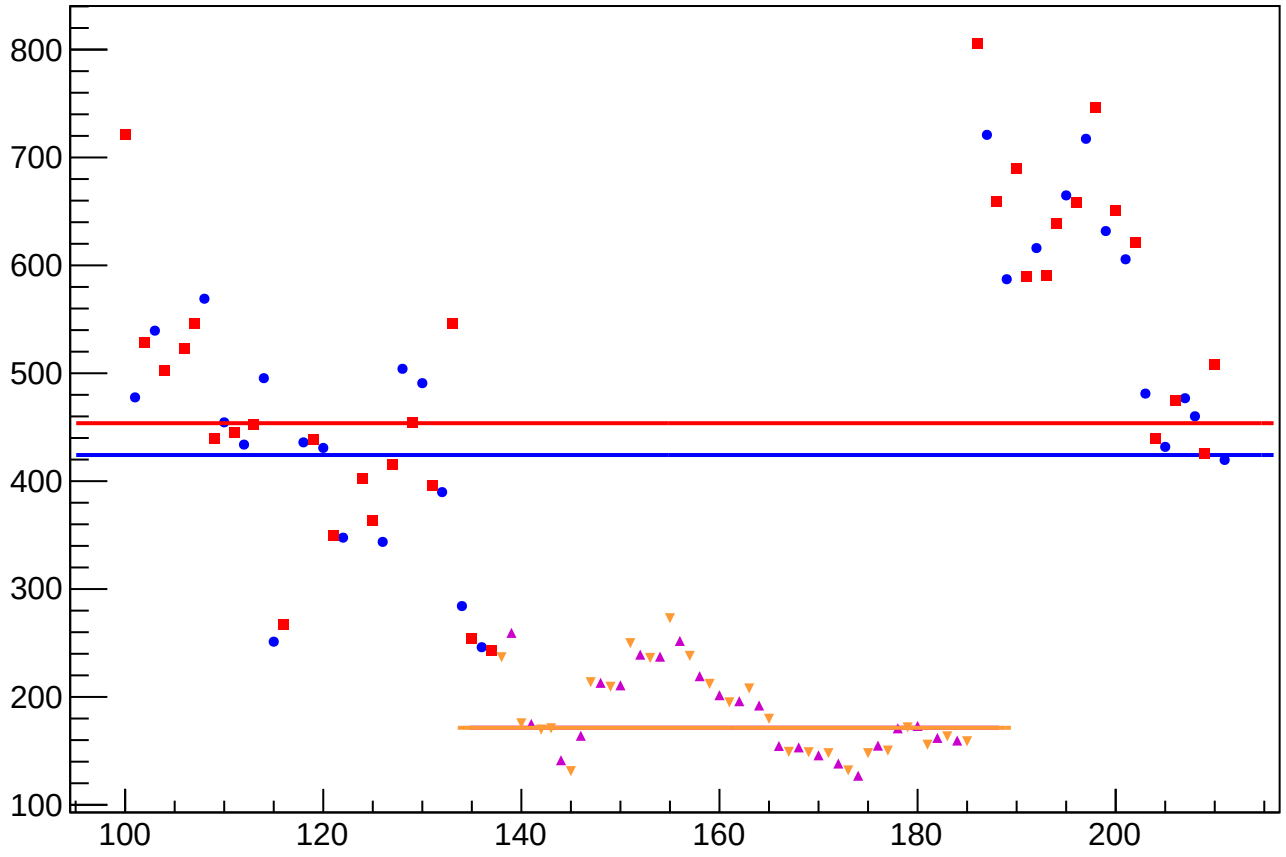
Right Out: 355.797+/-111.413 χ^2/NDF: 29.1/32

Left In: 31.891+/-40.975 χ^2/NDF:26.4/22

+ sign 202.920+/-37.416 χ^2/NDF: 98.9/52

All: 138.518+/-26.817 χ^2/NDF: 167.9/108

- sign 70.482+/-38.457 χ^2/NDF: 63.0/55



Right In: 424.231+/-0.077 χ^2/NDF: 2735775.6/27

Left Out: 171.427+/-0.028 χ^2/NDF:1526852.0/24

Right Out: 453.735+/-0.079 χ^2/NDF: 2854606.9/32

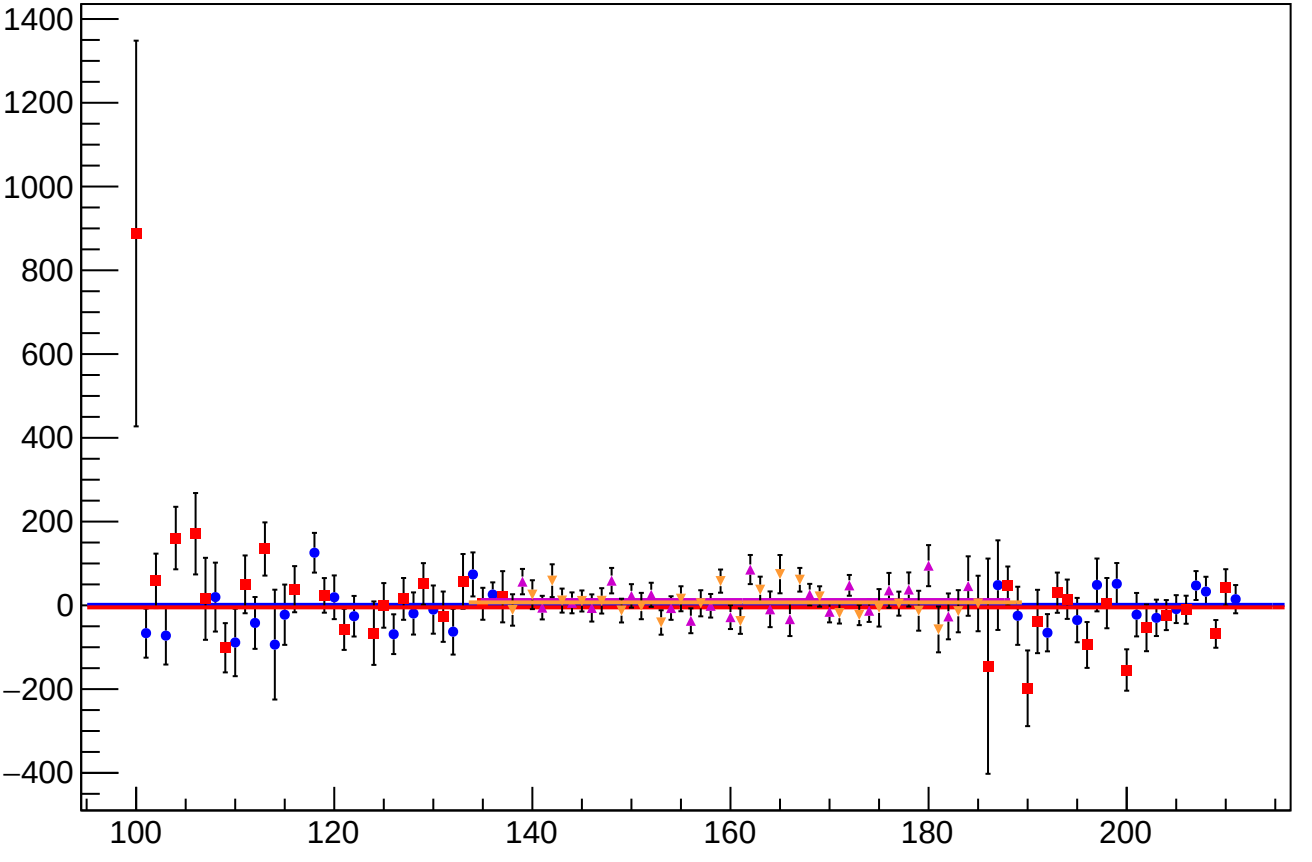
Left In: 171.490+/-0.029 χ^2/NDF:1415769.4/22

+ sign 201.166+/-0.026 χ^2/NDF: 13739753.3/52

All: 203.087+/-0.019 χ^2/NDF: 29327098.9/10

- sign 205.117+/-0.027 χ^2/NDF: 15576497.3/55

eigen_dit_asym_sam_1357_2468_dd_mean vs Slug



Right In: 1.212+/-9.241 χ^2/NDF: 26.8/27

Left Out: 7.079+/-6.333 χ^2/NDF:22.7/24

Right Out: -4.802+/-9.272 χ^2/NDF: 51.5/32

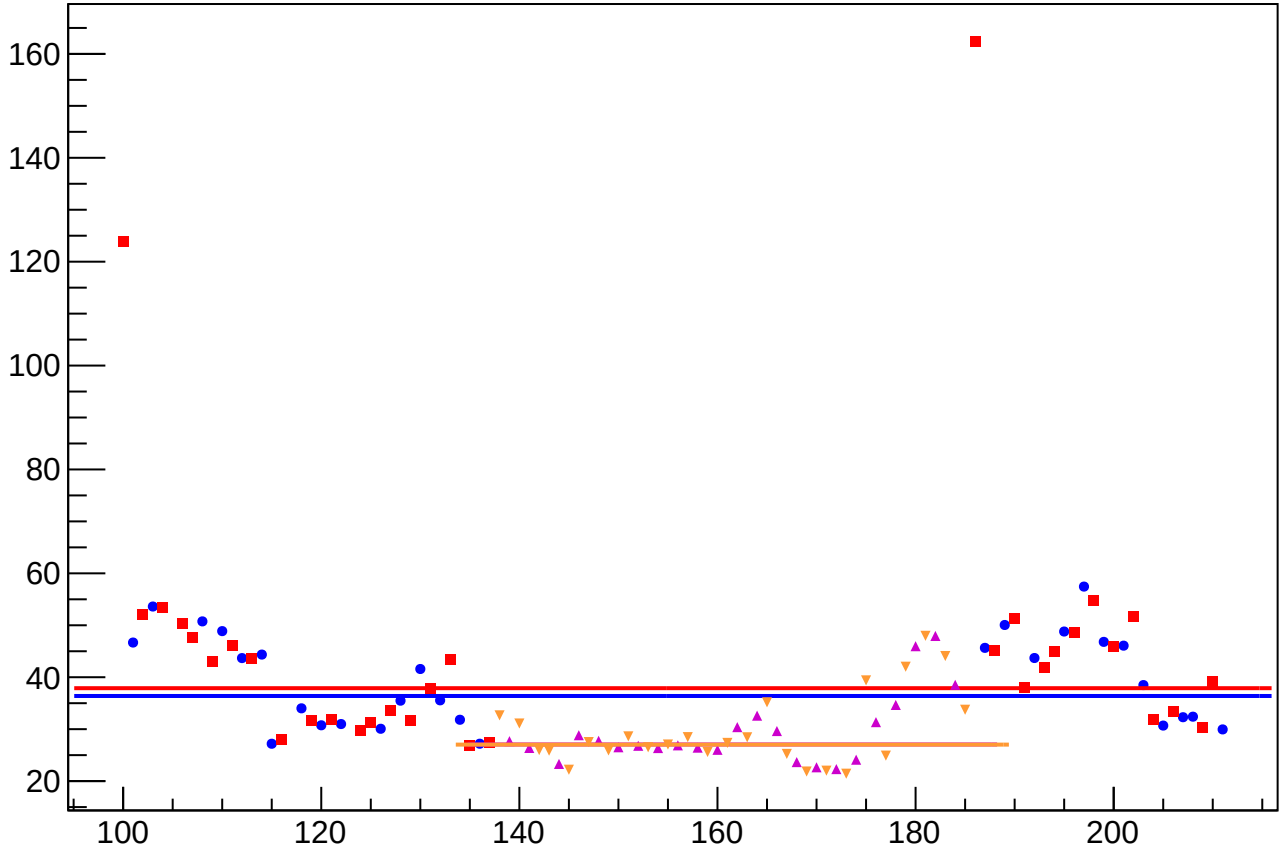
Left In: 12.697+/-6.513 χ^2/NDF:25.6/22

+ sign 5.204+/-5.224 χ^2/NDF: 49.8/52

All: 6.042+/-3.731 χ^2/NDF: 129.3/108

- sign 6.915+/-5.330 χ^2/NDF: 79.5/55

eigen_dit_asym_sam_1357_2468_dd_rms vs Slug



Right In: 36.389+/-0.007 χ^2/NDF: 1510896.7/27

Left Out: 27.026+/-0.004 χ^2/NDF:1430534.9/24

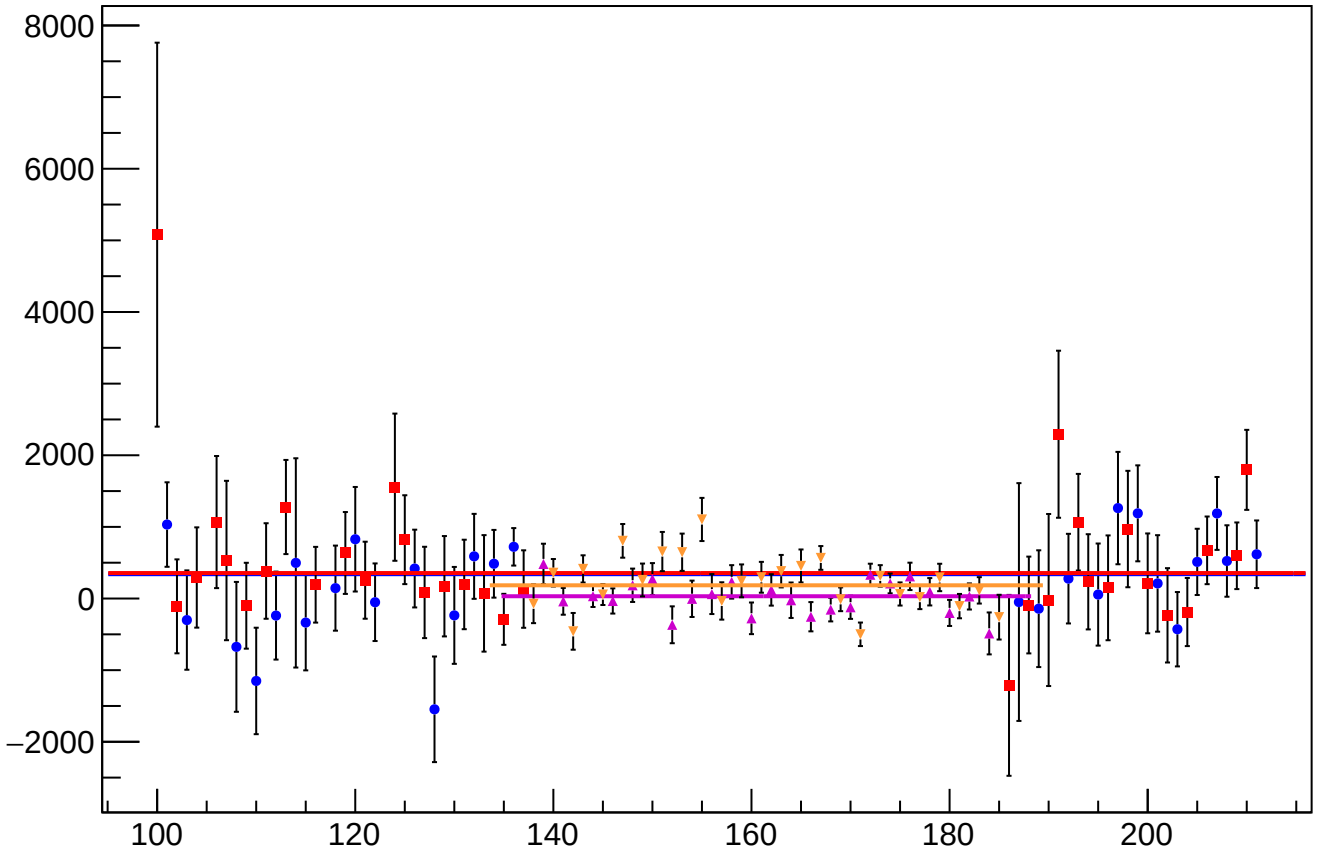
Right Out: 37.889+/-0.007 χ^2/NDF: 2074847.4/32

Left In: 27.052+/-0.005 χ^2/NDF:1044338.2/22

+ sign 30.018+/-0.004 χ^2/NDF: 4338166.4/52

All: 30.319+/-0.003 χ^2/NDF: 9300216.7/108

- sign 30.633+/-0.004 χ^2/NDF: 4948487.4/55



Right In: 339.774+/-109.090 χ^2/NDF: 29.4/27

Left Out: 184.674+/-39.832 χ^2/NDF:67.7/24

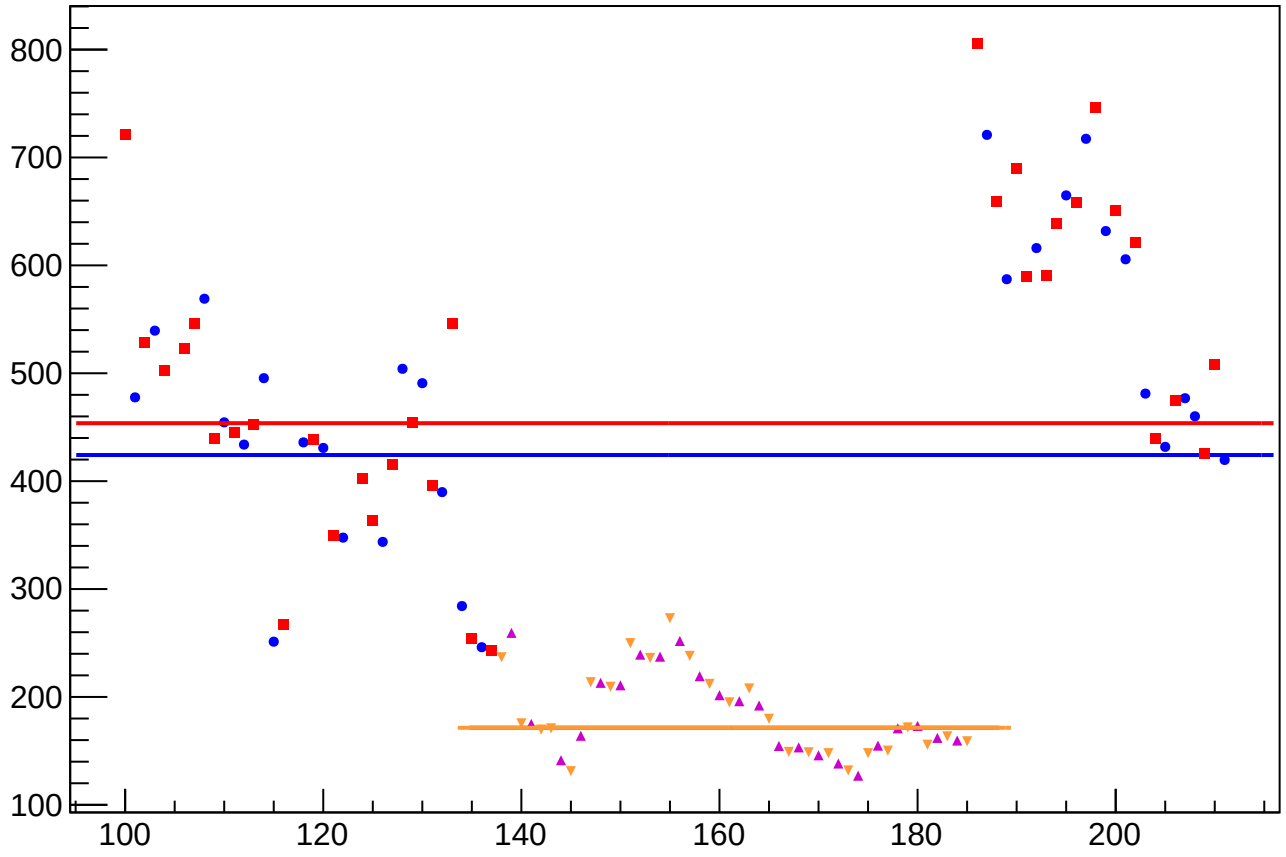
Right Out: 355.797+/-111.413 χ^2/NDF: 29.1/32

Left In: 31.891+/-40.975 χ^2/NDF:26.4/22

+ sign 202.919+/-37.416 χ^2/NDF: 98.9/52

All: 138.517+/-26.817 χ^2/NDF: 167.9/108

- sign 70.482+/-38.456 χ^2/NDF: 63.0/55



Right In: 424.231+/-0.077 χ^2/NDF: 2735783.0/27

Left Out: 171.426+/-0.028 χ^2/NDF:1526868.9/24

Right Out: 453.734+/-0.079 χ^2/NDF: 2854618.7/32

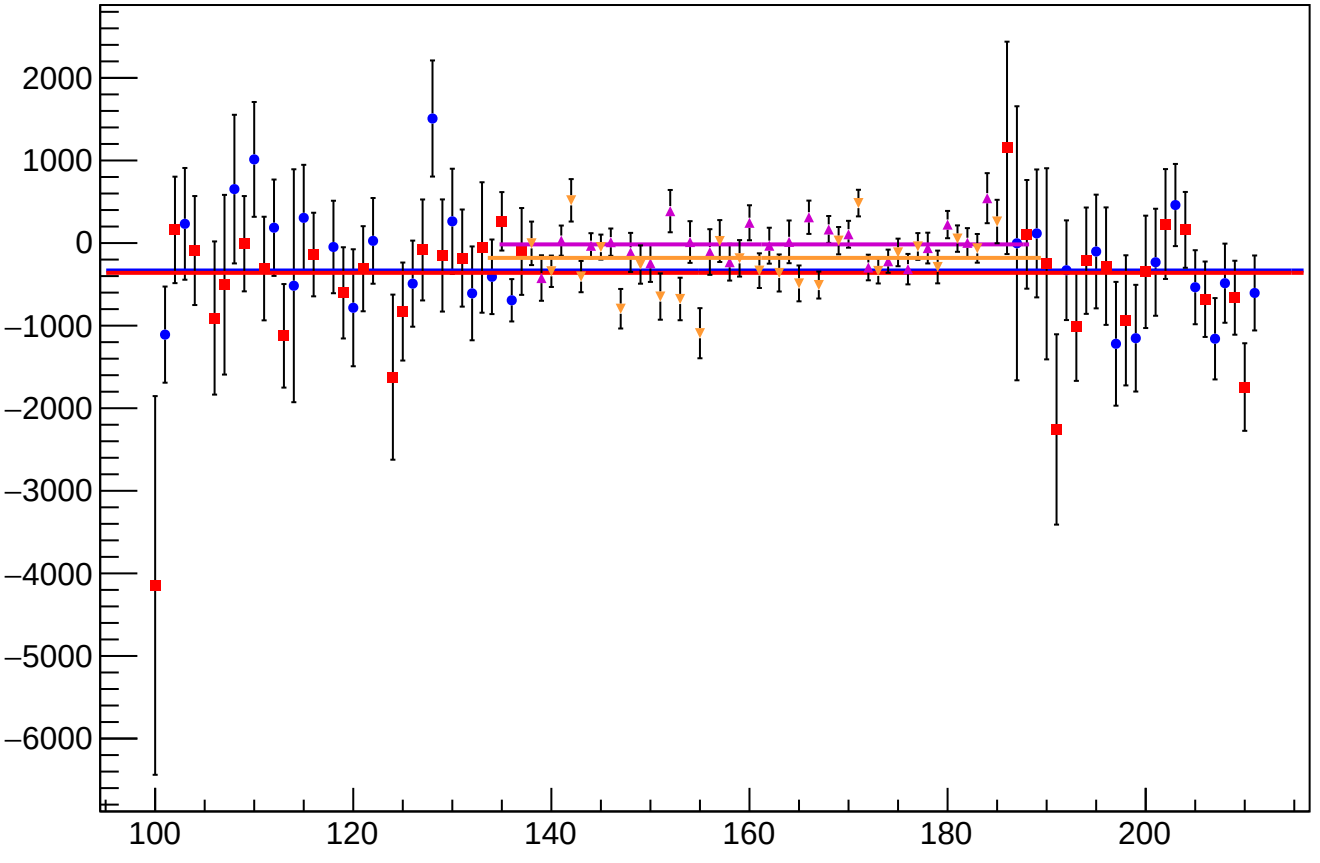
Left In: 171.489+/-0.029 χ^2/NDF:1415782.1/22

+ sign 201.165+/-0.026 χ^2/NDF: 13739798.0/52

All: 203.087+/-0.019 χ^2/NDF: 29327202.2/10

- sign 205.117+/-0.027 χ^2/NDF: 15576556.5/55

asym_sam_1357_2468_dd_mean vs Slug



Right In: -332.257+/-105.190 χ^2/NDF: 30.0/27

Left Out: -179.656+/-39.364 χ^2/NDF:67.1/24

Right Out: -360.500+/-107.845 χ^2/NDF: 28.3/32

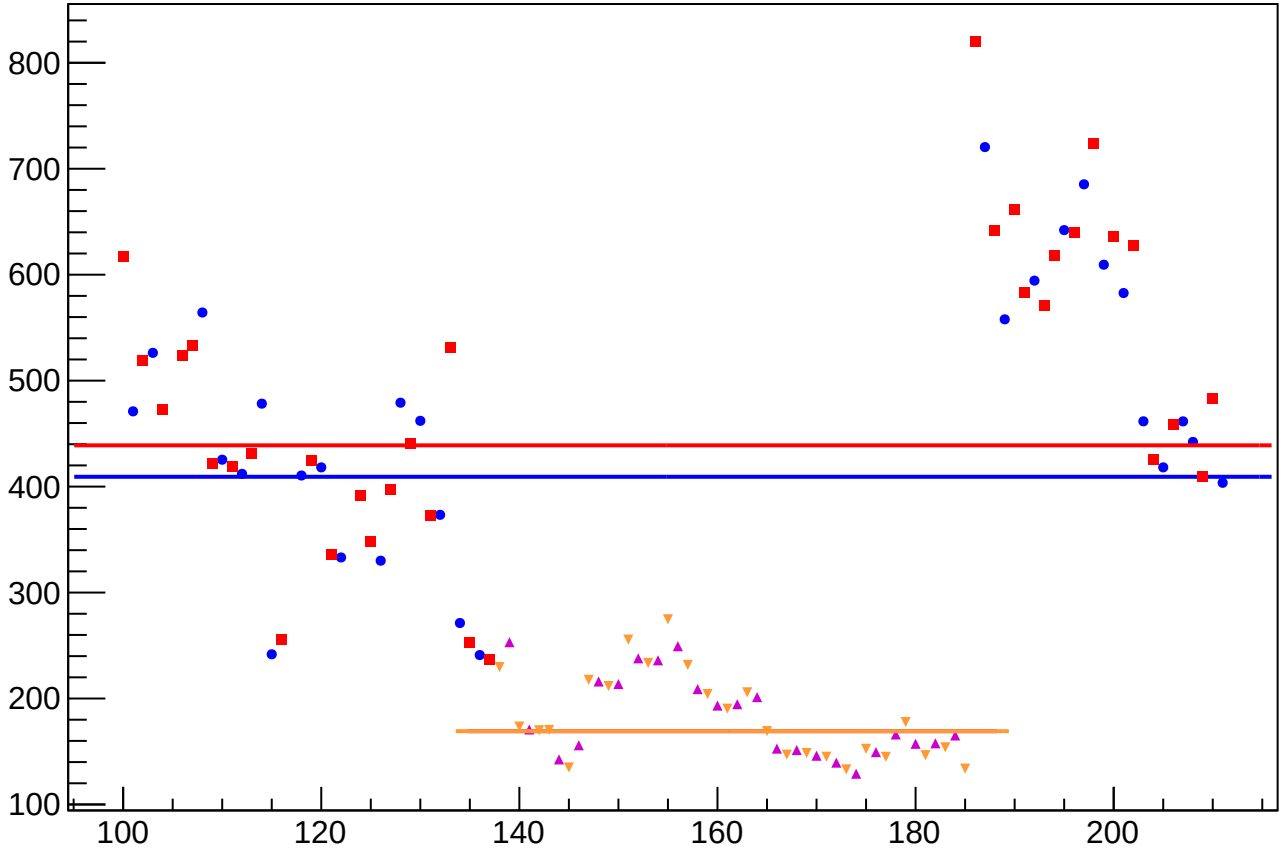
Left In: -16.057+/-40.396 χ^2/NDF:26.6/22

+ sign -198.400+/-36.867 χ^2/NDF: 98.9/52

All: -130.223+/-26.402 χ^2/NDF: 169.8/108

- sign -58.439+/-37.829 χ^2/NDF: 63.9/55

asym_sam_1357_2468_dd_rms vs Slug



Right In: 409.271+/-0.074 χ^2/NDF: 2685769.6/27

Left Out: 169.182+/-0.028 χ^2/NDF:1547748.9/24

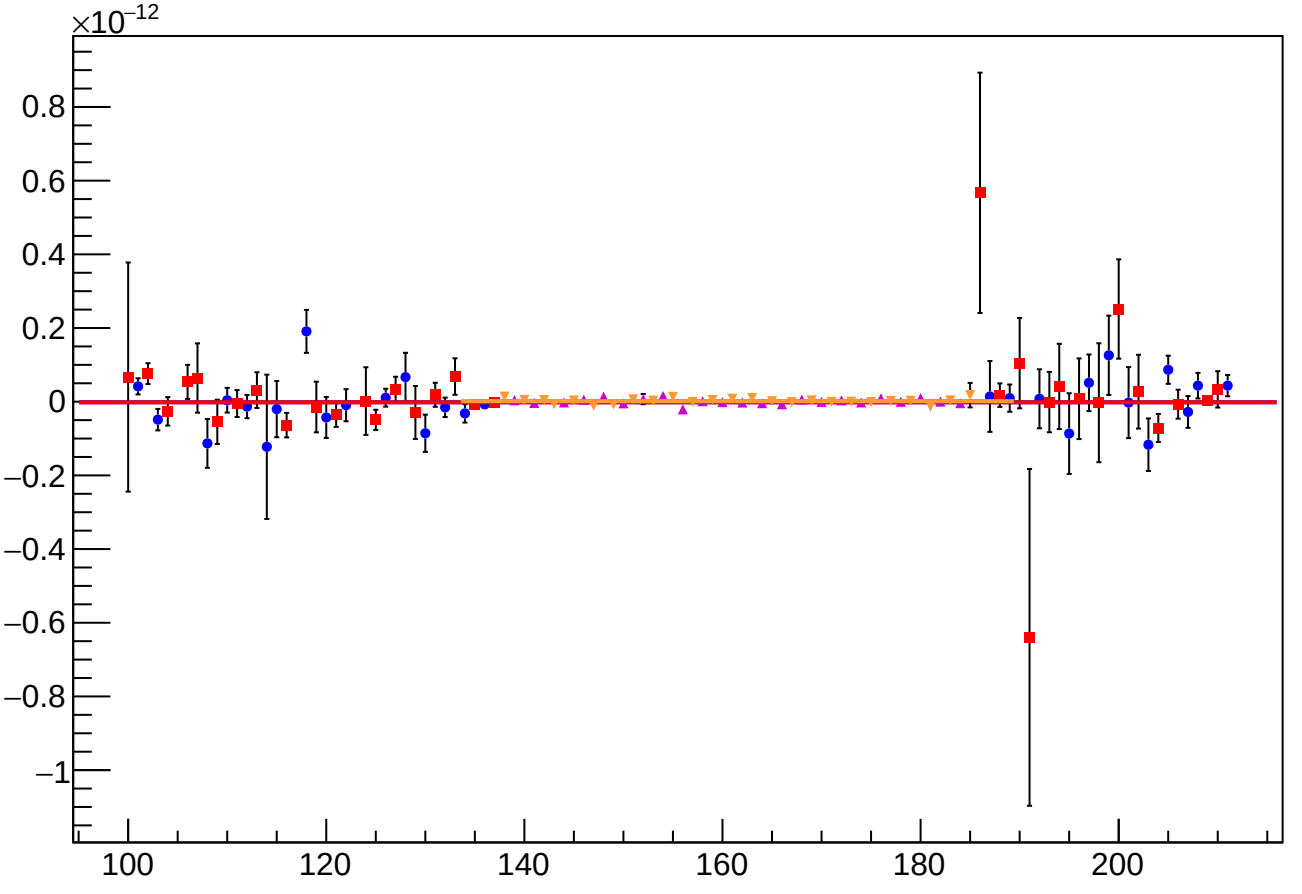
Right Out: 438.941+/-0.076 χ^2/NDF: 2877799.9/32

Left In: 169.187+/-0.029 χ^2/NDF:1374439.5/22

+ sign 198.673+/-0.026 χ^2/NDF: 13372799.5/52

All: 200.478+/-0.019 χ^2/NDF: 28608400.1/10

- sign 202.379+/-0.027 χ^2/NDF: 15225758.4/55



Right In: -0.000+/-0.000 χ^2/NDF: 42.9/27

Left Out: 0.000+/-0.000 χ^2/NDF:18.8/24

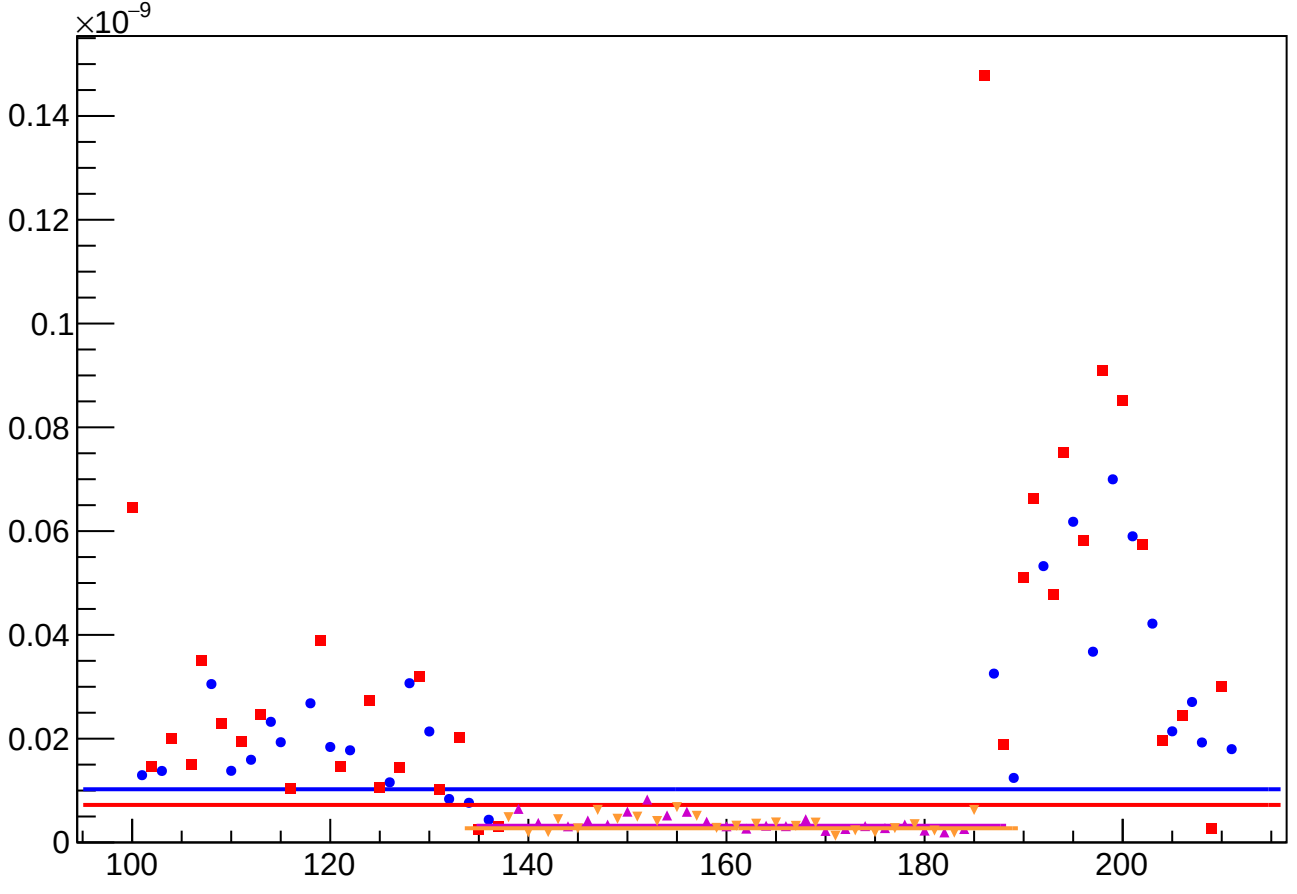
Right Out: -0.000+/-0.000 χ^2/NDF: 37.4/32

Left In: 0.000+/-0.000 χ^2/NDF:19.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 62.1/52

All: 0.000+/-0.000 χ^2/NDF: 119.5/108

- sign 0.000+/-0.000 χ^2/NDF: 57.5/55



Right In: 0.000+/-0.000 χ^2/NDF: 5918431.1/27

Left Out: 0.000+/-0.000 χ^2/NDF:1923193.7/24

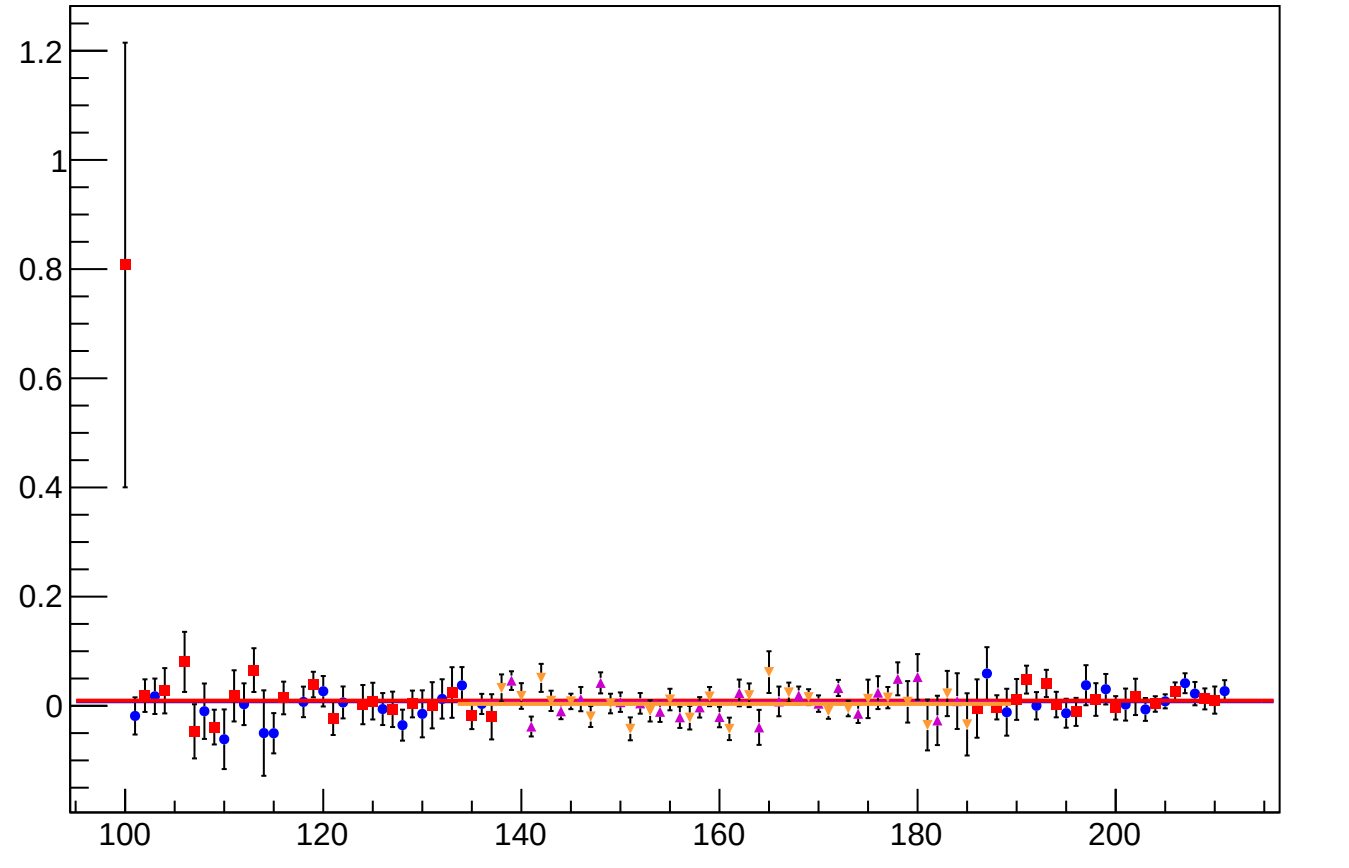
Right Out: 0.000+/-0.000 χ^2/NDF: 9188427.4/32

Left In: 0.000+/-0.000 χ^2/NDF:1355602.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 11698710.2/52

All: 0.000+/-0.000 χ^2/NDF: 23804634.2/108

- sign 0.000+/-0.000 χ^2/NDF: 11966710.4/55



Right In: 0.008+/-0.005 χ^2/NDF: 18.3/27

Left Out: 0.003+/-0.004 χ^2/NDF:26.9/24

Right Out: 0.009+/-0.005 χ^2/NDF: 22.9/32

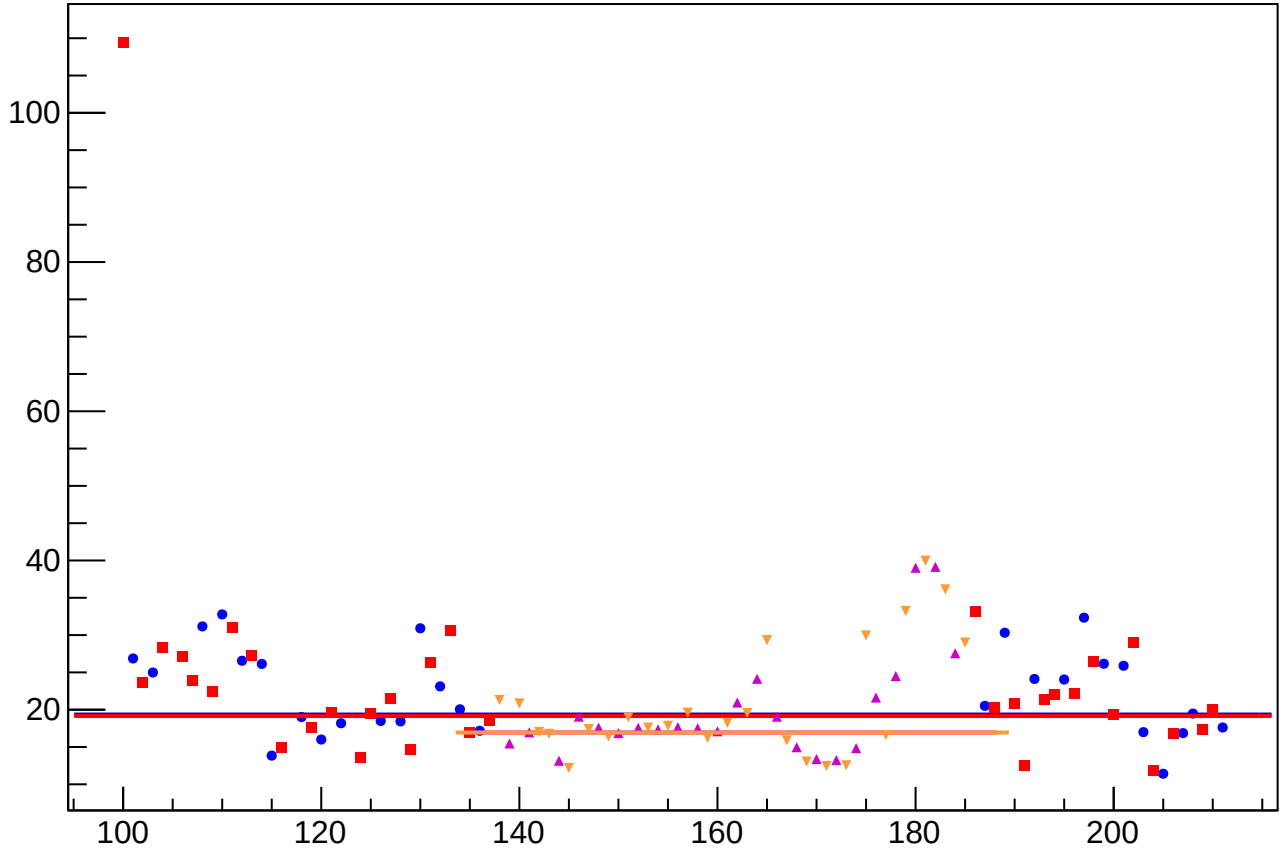
Left In: 0.005+/-0.004 χ^2/NDF:33.2/22

+ sign 0.005+/-0.003 χ^2/NDF: 45.8/52

All: 0.006+/-0.002 χ^2/NDF: 102.5/108

- sign 0.007+/-0.003 χ^2/NDF: 56.5/55

asym_sam_1357_2468_dd_dit_vs_cor_diff_rms vs Slug



Right In: 19.351+/-0.004 χ^2/NDF: 2317811.2/27

Left Out: 16.939+/-0.003 χ^2/NDF:2836877.8/24

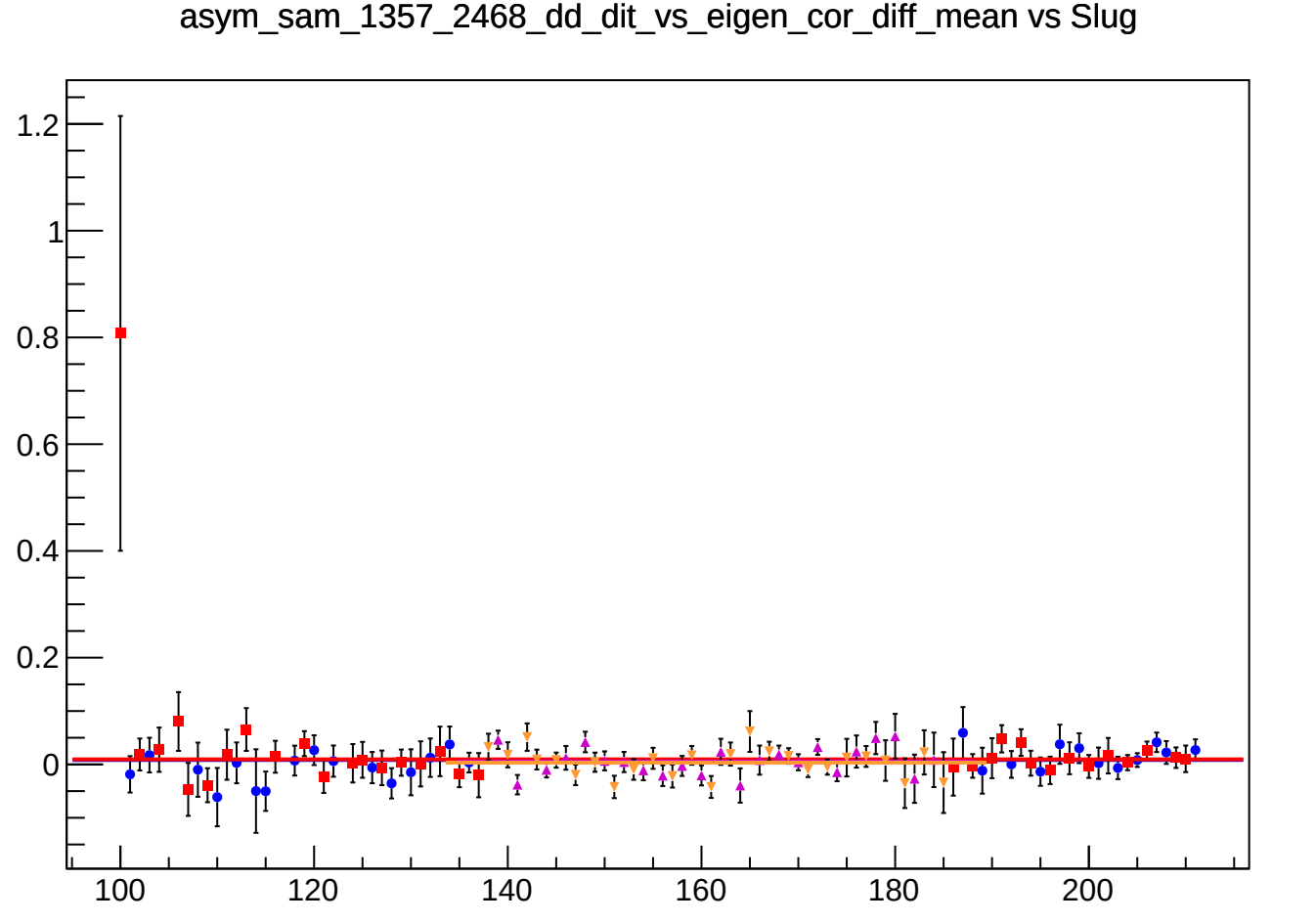
Right Out: 19.149+/-0.003 χ^2/NDF: 2133718.9/32

Left In: 16.943+/-0.003 χ^2/NDF:1941845.2/22

+ sign 17.885+/-0.002 χ^2/NDF: 5427408.7/52

All: 17.885+/-0.002 χ^2/NDF: 9739938.8/108

- sign 17.886+/-0.002 χ^2/NDF: 4312529.9/55



Right In: 0.008+/-0.005 χ^2/NDF: 18.3/27

Left Out: 0.003+/-0.004 χ^2/NDF:26.9/24

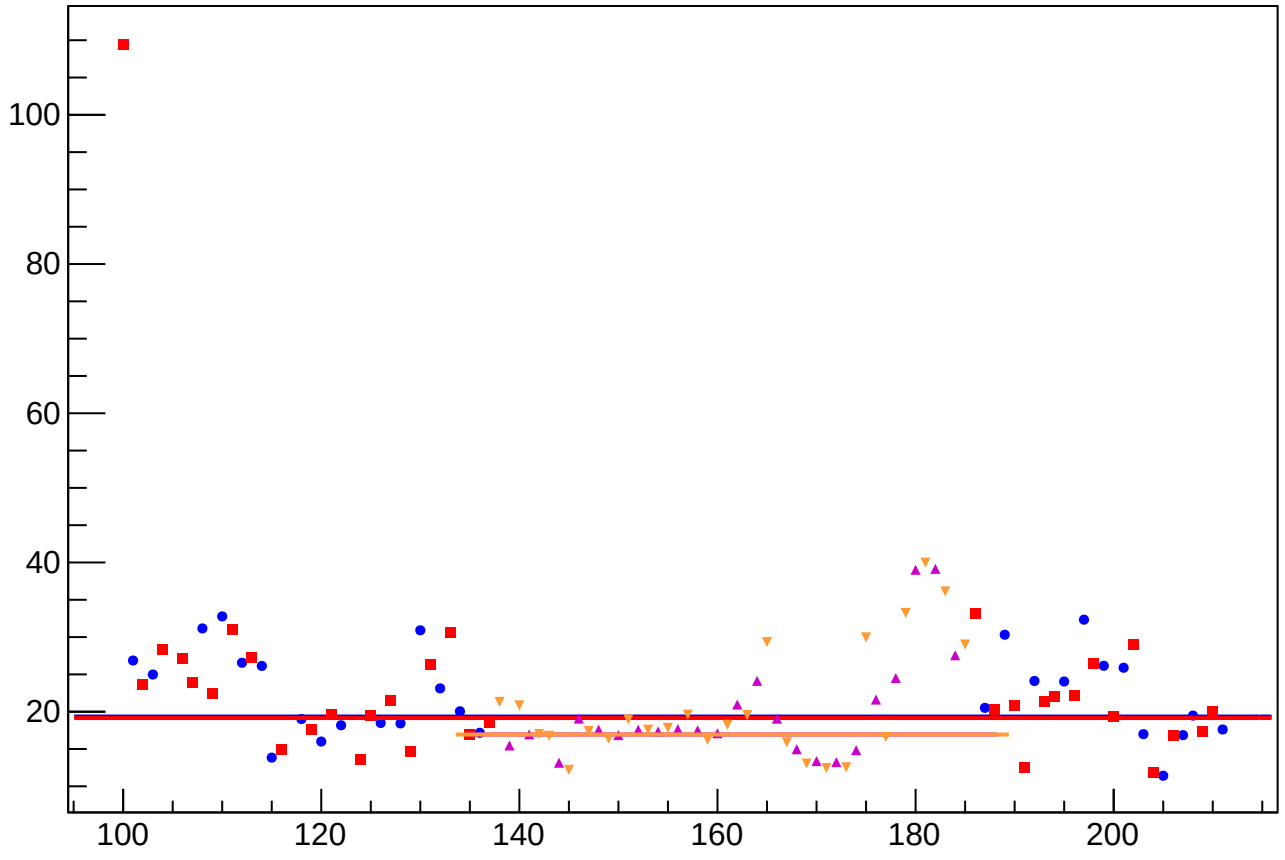
Right Out: 0.009+/-0.005 χ^2/NDF: 22.9/32

Left In: 0.005+/-0.004 χ^2/NDF:33.2/22

+ sign 0.005+/-0.003 χ^2/NDF: 45.8/52

All: 0.006+/-0.002 χ^2/NDF: 102.5/108

- sign 0.007+/-0.003 χ^2/NDF: 56.5/55



Right In: 19.351+/-0.004 χ^2/NDF: 2317811.2/27

Left Out: 16.939+/-0.003 χ^2/NDF:2836877.8/24

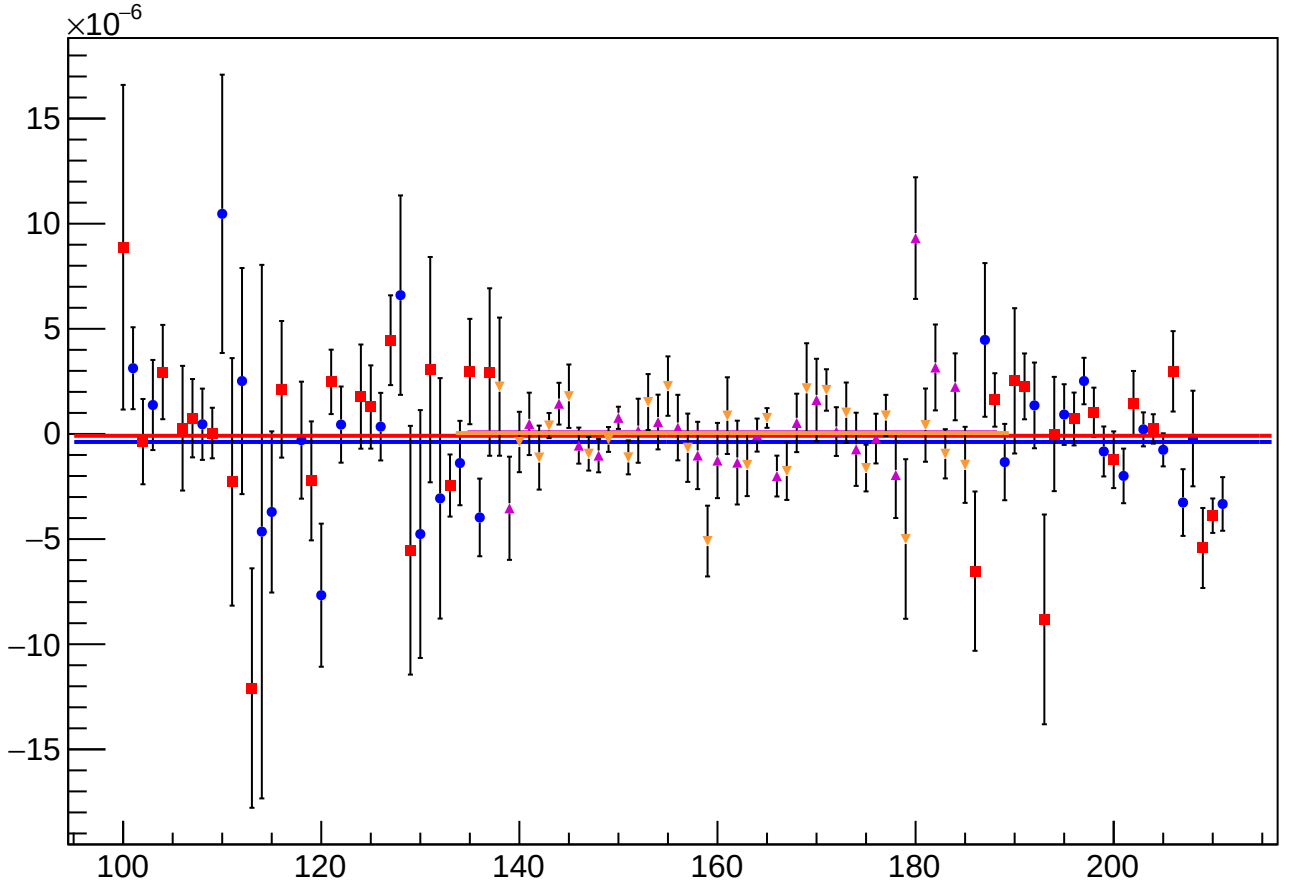
Right Out: 19.149+/-0.003 χ^2/NDF: 2133718.9/32

Left In: 16.943+/-0.003 χ^2/NDF:1941845.2/22

+ sign 17.885+/-0.002 χ^2/NDF: 5427408.7/52

All: 17.885+/-0.002 χ^2/NDF: 9739938.8/108

- sign 17.886+/-0.002 χ^2/NDF: 4312529.9/55



Right In: -0.000+/-0.000 χ^2/NDF: 41.5/27

Left Out: 0.000+/-0.000 χ^2/NDF:37.2/24

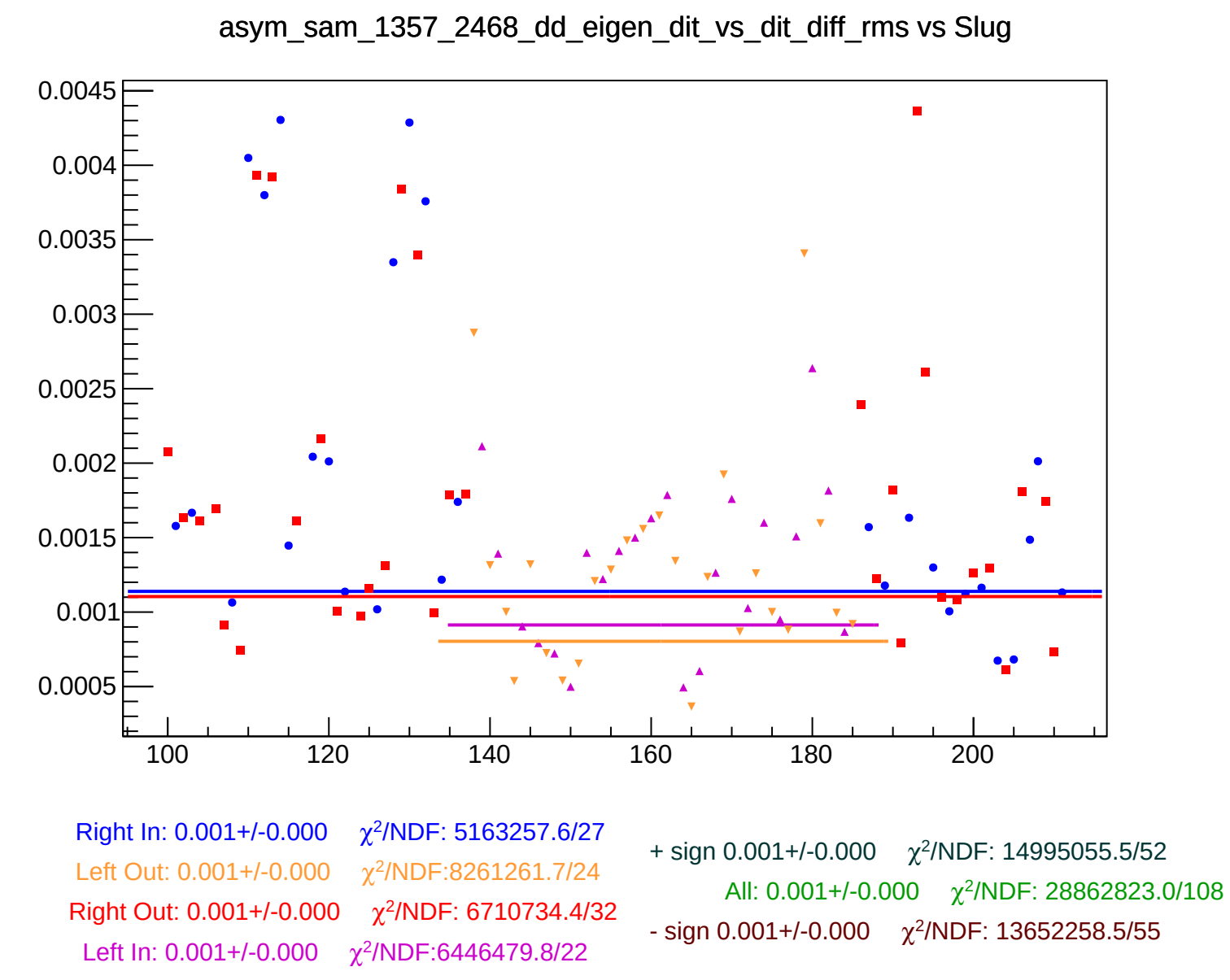
Right Out: -0.000+/-0.000 χ^2/NDF: 69.0/32

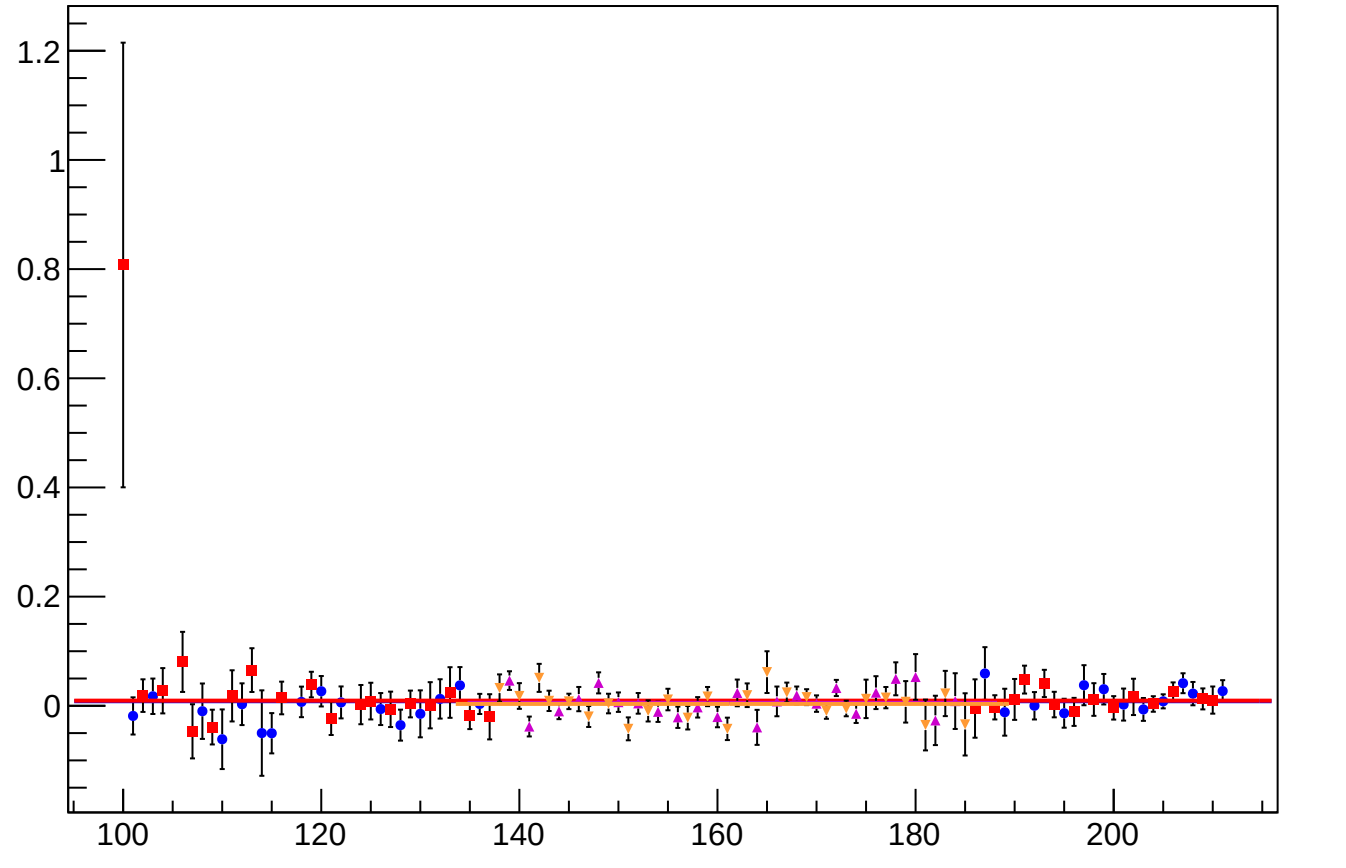
Left In: 0.000+/-0.000 χ^2/NDF:31.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 80.0/52

All: -0.000+/-0.000 χ^2/NDF: 180.3/108

- sign 0.000+/-0.000 χ^2/NDF: 100.2/55


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
Right In: 0.001+/-0.000 χ²/NDF: 5163257.6/27
Left Out: 0.001+/-0.000 χ²/NDF:8261261.7/24
Right Out: 0.001+/-0.000 χ²/NDF: 6710734.4/32
Left In: 0.001+/-0.000 χ²/NDF:6446479.8/22
+ sign 0.001+/-0.000 χ²/NDF: 14995055.5/52
All: 0.001+/-0.000 χ²/NDF: 28862823.0/108
- sign 0.001+/-0.000 χ²/NDF: 13652258.5/55



Right In: 0.008+/-0.005 χ^2/NDF: 18.3/27

Left Out: 0.003+/-0.004 χ^2/NDF:26.9/24

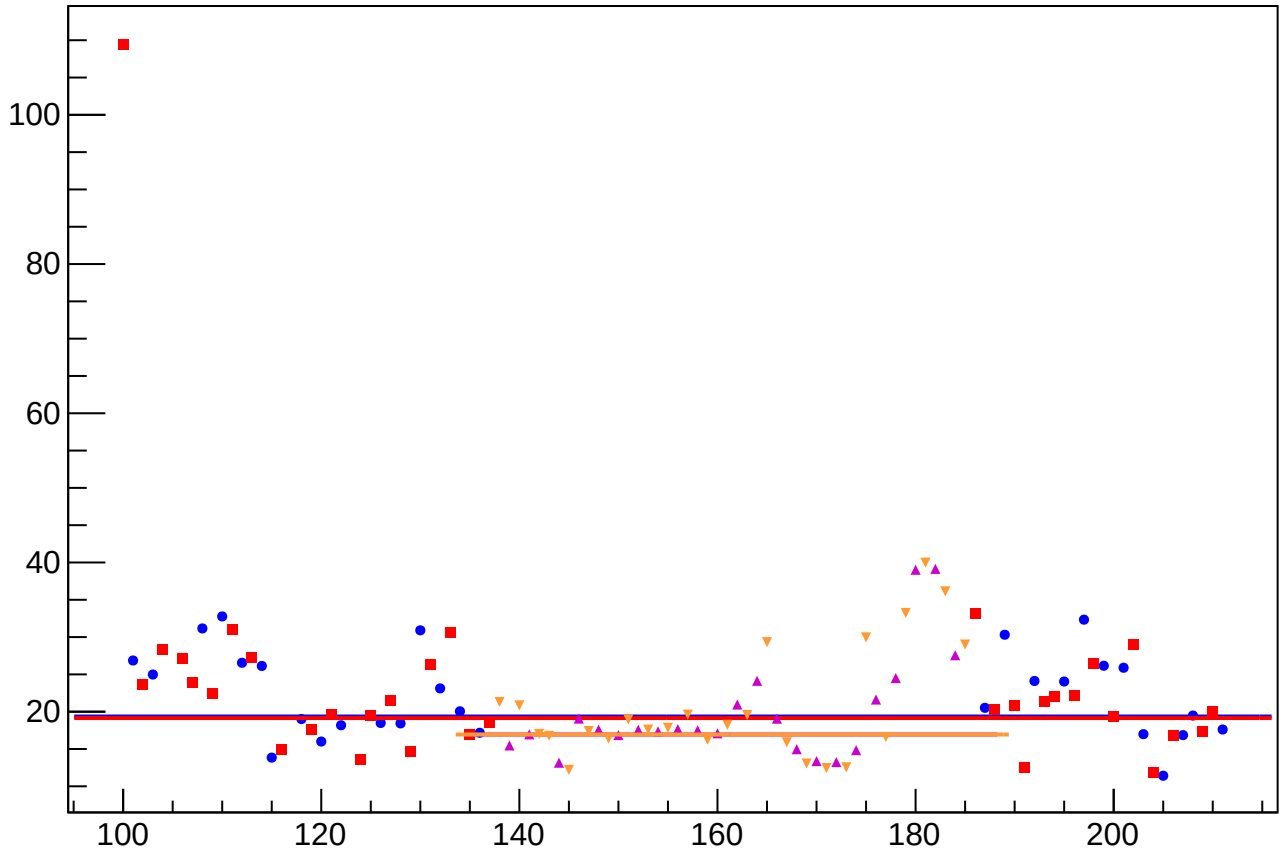
Right Out: 0.009+/-0.005 χ^2/NDF: 22.9/32

Left In: 0.005+/-0.004 χ^2/NDF:33.2/22

+ sign 0.005+/-0.003 χ^2/NDF: 45.8/52

All: 0.006+/-0.002 χ^2/NDF: 102.4/108

- sign 0.007+/-0.003 χ^2/NDF: 56.5/55



Right In: 19.351+/-0.004 χ^2/NDF: 2317812.8/27

Left Out: 16.939+/-0.003 χ^2/NDF:2836863.1/24

Right Out: 19.149+/-0.003 χ^2/NDF: 2133744.3/32

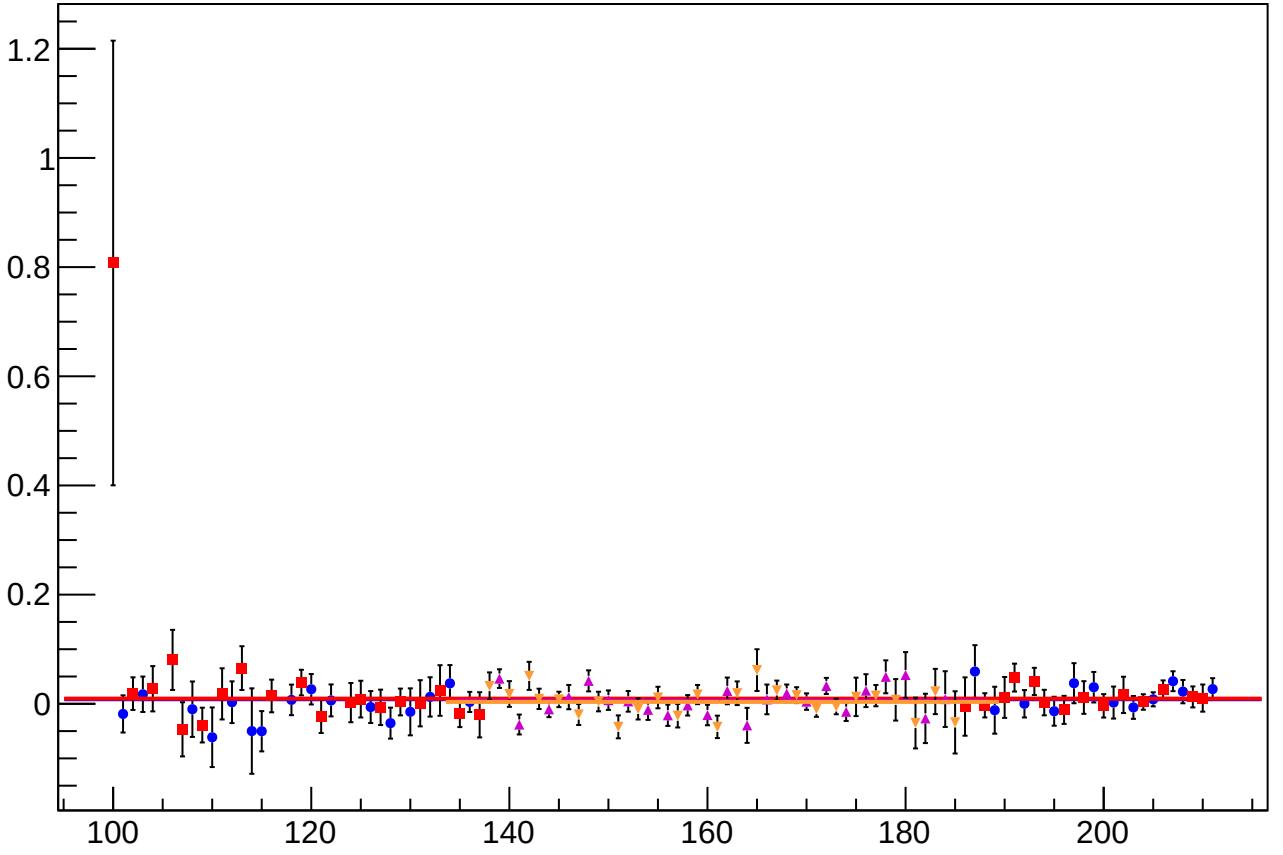
Left In: 16.943+/-0.003 χ^2/NDF:1941834.9/22

+ sign 17.885+/-0.002 χ^2/NDF: 5427298.6/52

All: 17.885+/-0.002 χ^2/NDF: 9739796.6/108

- sign 17.886+/-0.002 χ^2/NDF: 4312497.8/55

asym_sam_1357_2468_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.008+/-0.005 χ^2/NDF: 18.3/27

Left Out: 0.003+/-0.004 χ^2/NDF:26.9/24

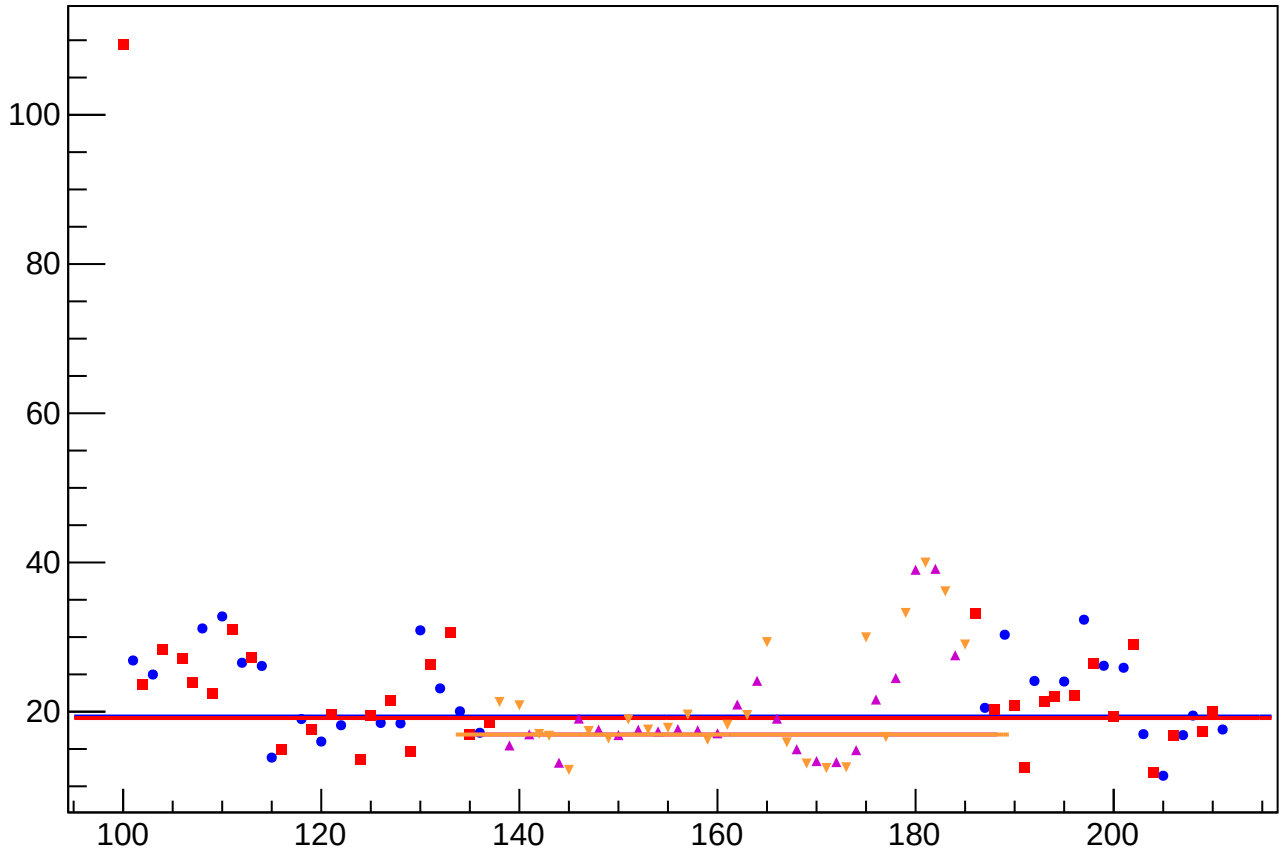
Right Out: 0.009+/-0.005 χ^2/NDF: 22.9/32

Left In: 0.005+/-0.004 χ^2/NDF:33.2/22

+ sign 0.005+/-0.003 χ^2/NDF: 45.8/52

All: 0.006+/-0.002 χ^2/NDF: 102.4/108

- sign 0.007+/-0.003 χ^2/NDF: 56.5/55



Right In: 19.351+/-0.004 χ^2/NDF: 2317812.8/27

Left Out: 16.939+/-0.003 χ^2/NDF:2836863.1/24

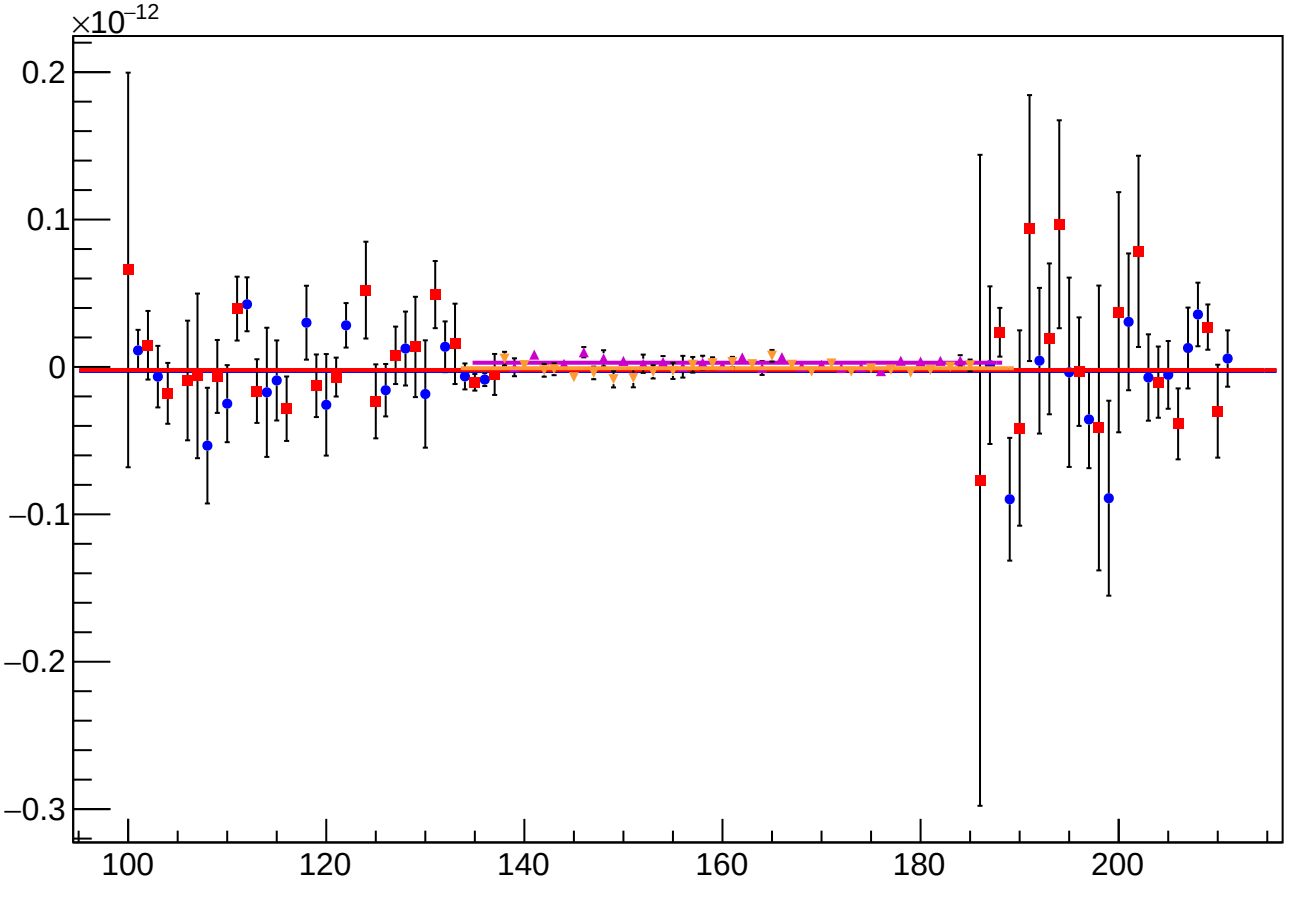
Right Out: 19.149+/-0.003 χ^2/NDF: 2133744.3/32

Left In: 16.943+/-0.003 χ^2/NDF:1941834.9/22

+ sign 17.885+/-0.002 χ^2/NDF: 5427298.6/52

All: 17.885+/-0.002 χ^2/NDF: 9739796.6/108

- sign 17.886+/-0.002 χ^2/NDF: 4312497.8/55



Right In: -0.000+/-0.000 χ^2/NDF: 31.3/27

Left Out: -0.000+/-0.000 χ^2/NDF:23.6/24

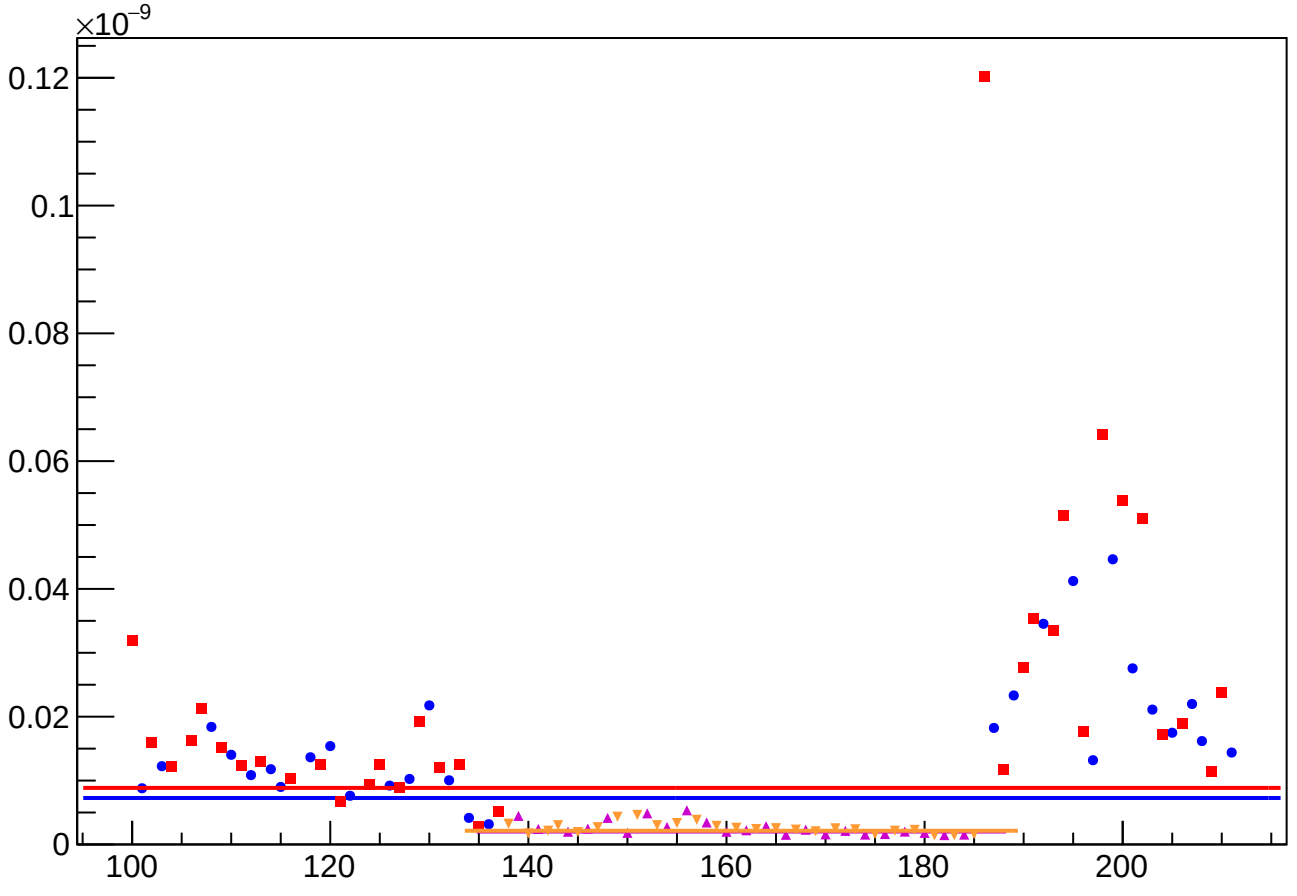
Right Out: -0.000+/-0.000 χ^2/NDF: 33.9/32

Left In: 0.000+/-0.000 χ^2/NDF:23.1/22

+ sign -0.000+/-0.000 χ^2/NDF: 55.3/52

All: 0.000+/-0.000 χ^2/NDF: 131.3/108

- sign 0.000+/-0.000 χ^2/NDF: 58.9/55



Right In: 0.000+/-0.000 χ^2/NDF: 7846836.5/27

Left Out: 0.000+/-0.000 χ^2/NDF:2184835.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8983467.6/32

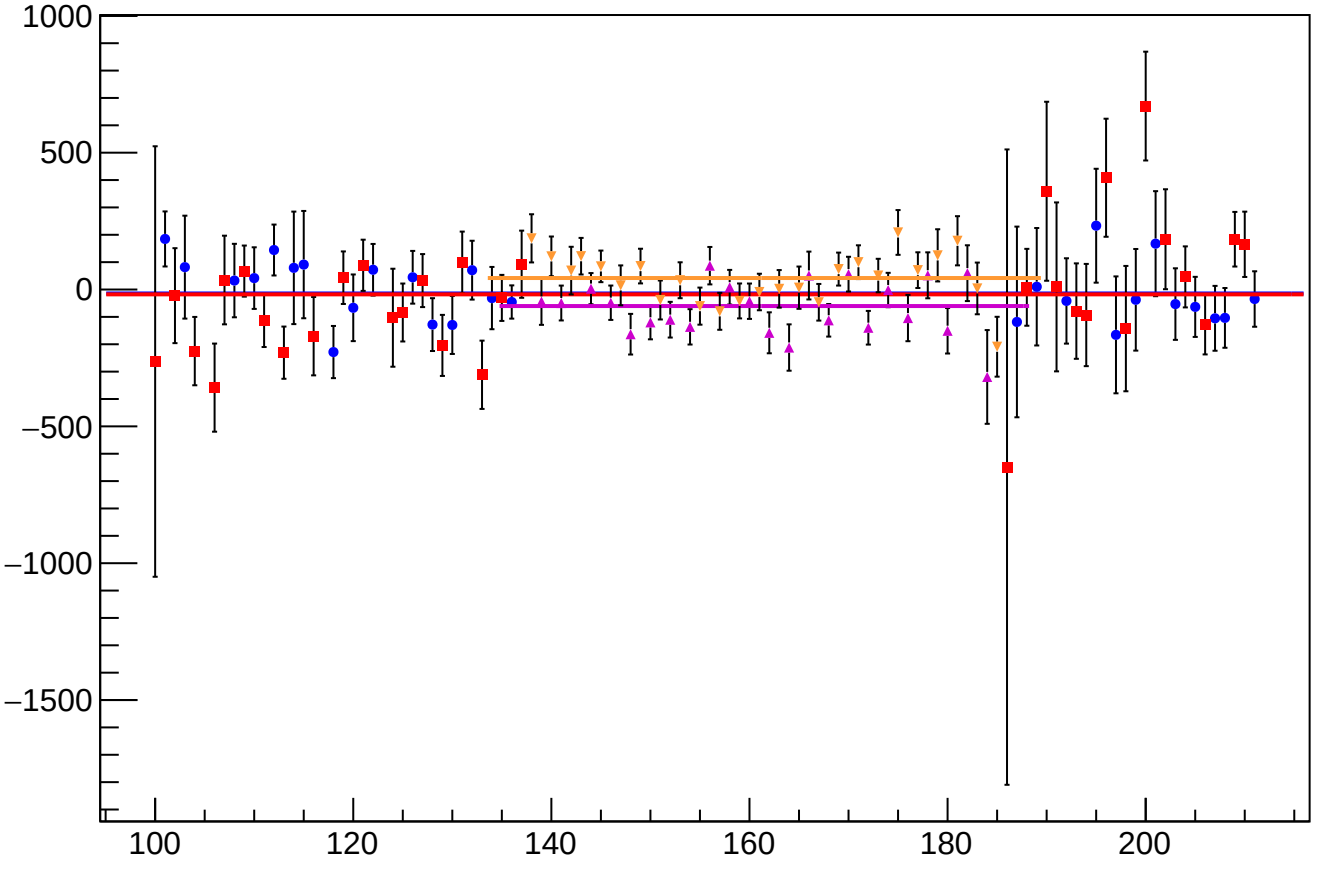
Left In: 0.000+/-0.000 χ^2/NDF:2375362.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 15413376.9/52

All: 0.000+/-0.000 χ^2/NDF: 34174282.7/108

- sign 0.000+/-0.000 χ^2/NDF: 18723553.0/55

reg_asym_sam_12345678_avg_mean vs Slug



Right In: -14.455+/-22.241 χ^2/NDF: 22.4/27

Left Out: 42.012+/-14.181 χ^2/NDF:32.0/24

Right Out: -17.679+/-22.366 χ^2/NDF: 55.3/32

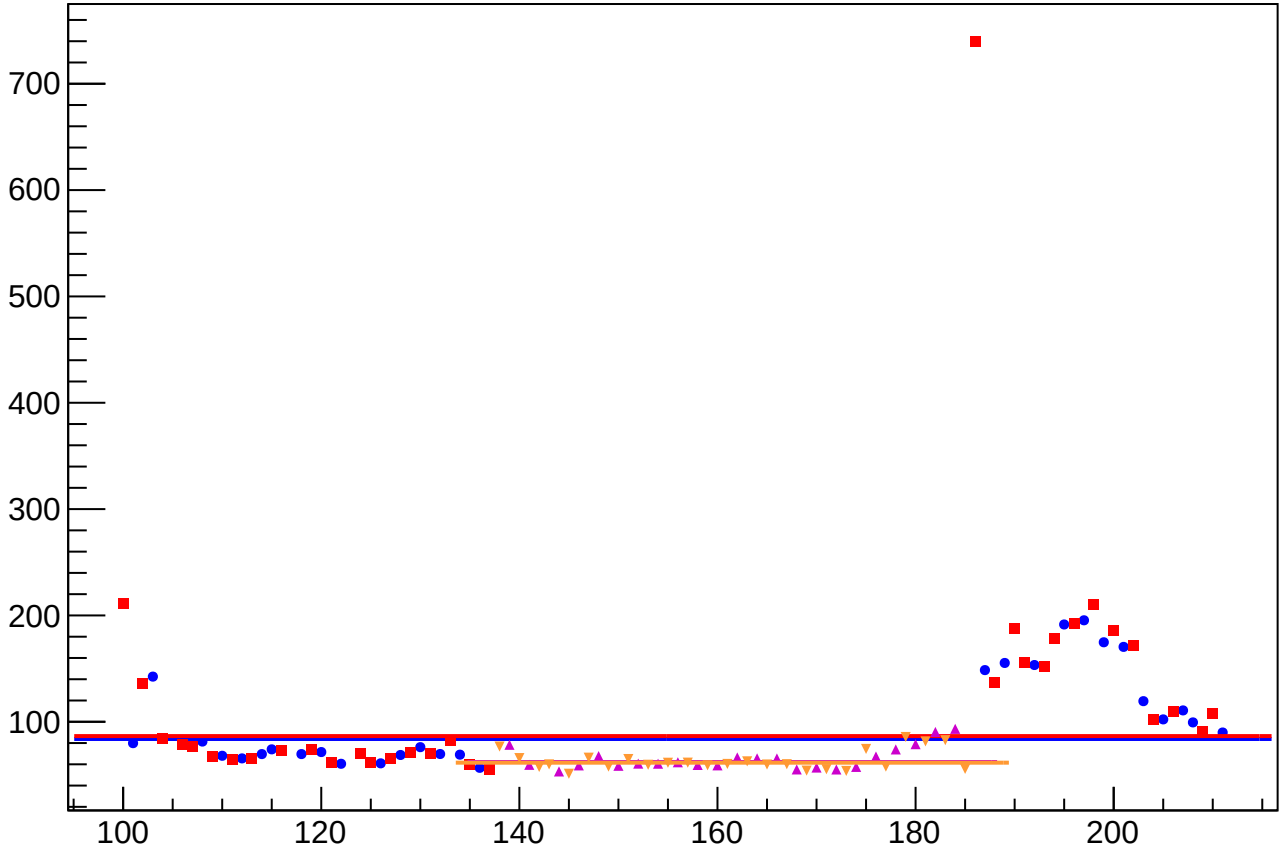
Left In: -60.376+/-14.714 χ^2/NDF:32.2/22

+ sign 25.691+/-11.957 χ^2/NDF: 59.1/52

All: -9.884+/-8.571 χ^2/NDF: 167.3/108

- sign -47.480+/-12.292 χ^2/NDF: 90.0/55

reg_asym_sam_12345678_avg_rms vs Slug



Right In: 83.818+/-0.016 χ^2/NDF: 4168466.5/27

Left Out: 61.544+/-0.010 χ^2/NDF:637834.8/24

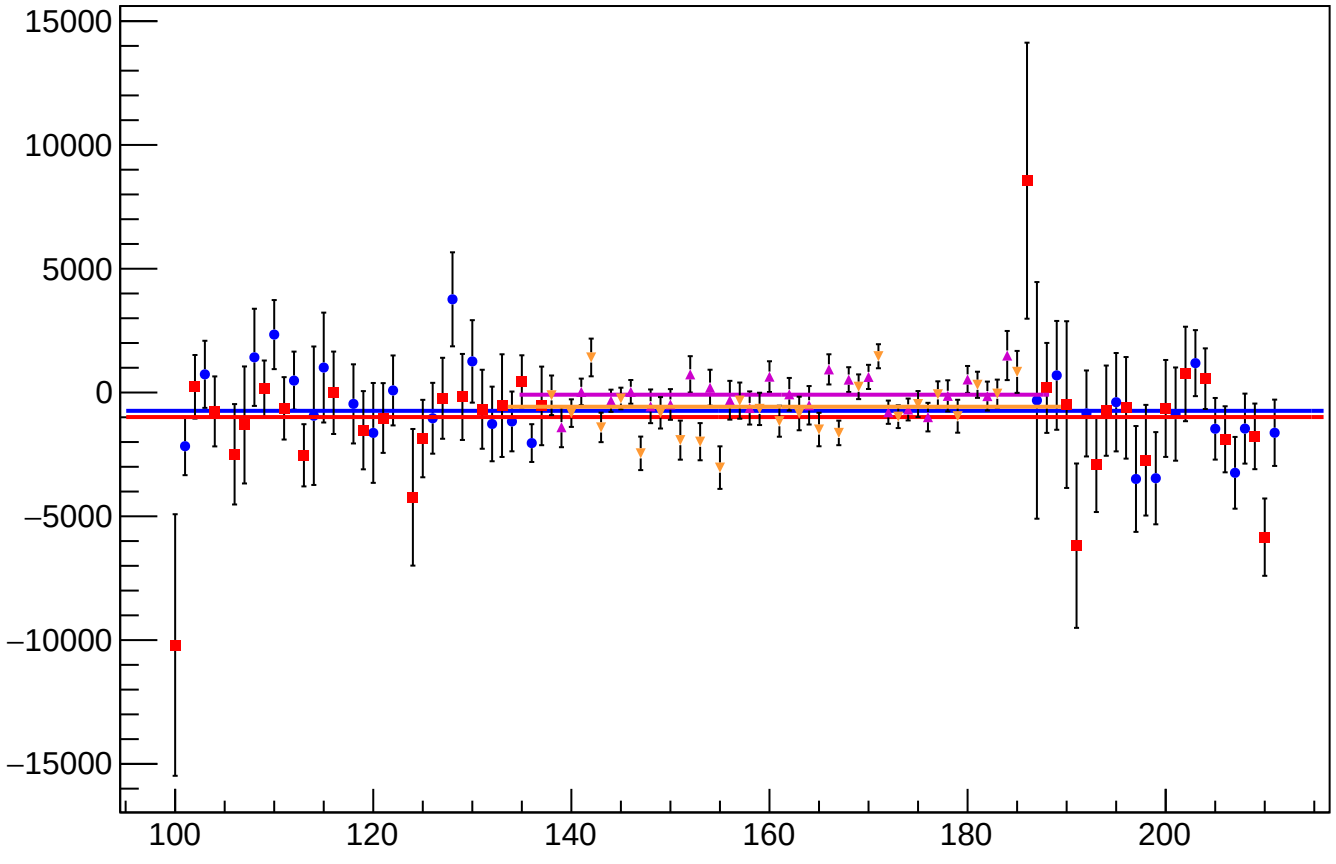
Right Out: 86.530+/-0.016 χ^2/NDF: 5475930.2/32

Left In: 62.144+/-0.010 χ^2/NDF:596754.9/22

+ sign 67.982+/-0.008 χ^2/NDF: 6232448.1/52

All: 68.725+/-0.006 χ^2/NDF: 13980388.2/108

- sign 69.510+/-0.009 χ^2/NDF: 7732058.5/55



Right In: -739.865+/-281.909 χ^2/NDF: 31.7/27

Left Out: -574.818+/-119.736 χ^2/NDF:68.8/24

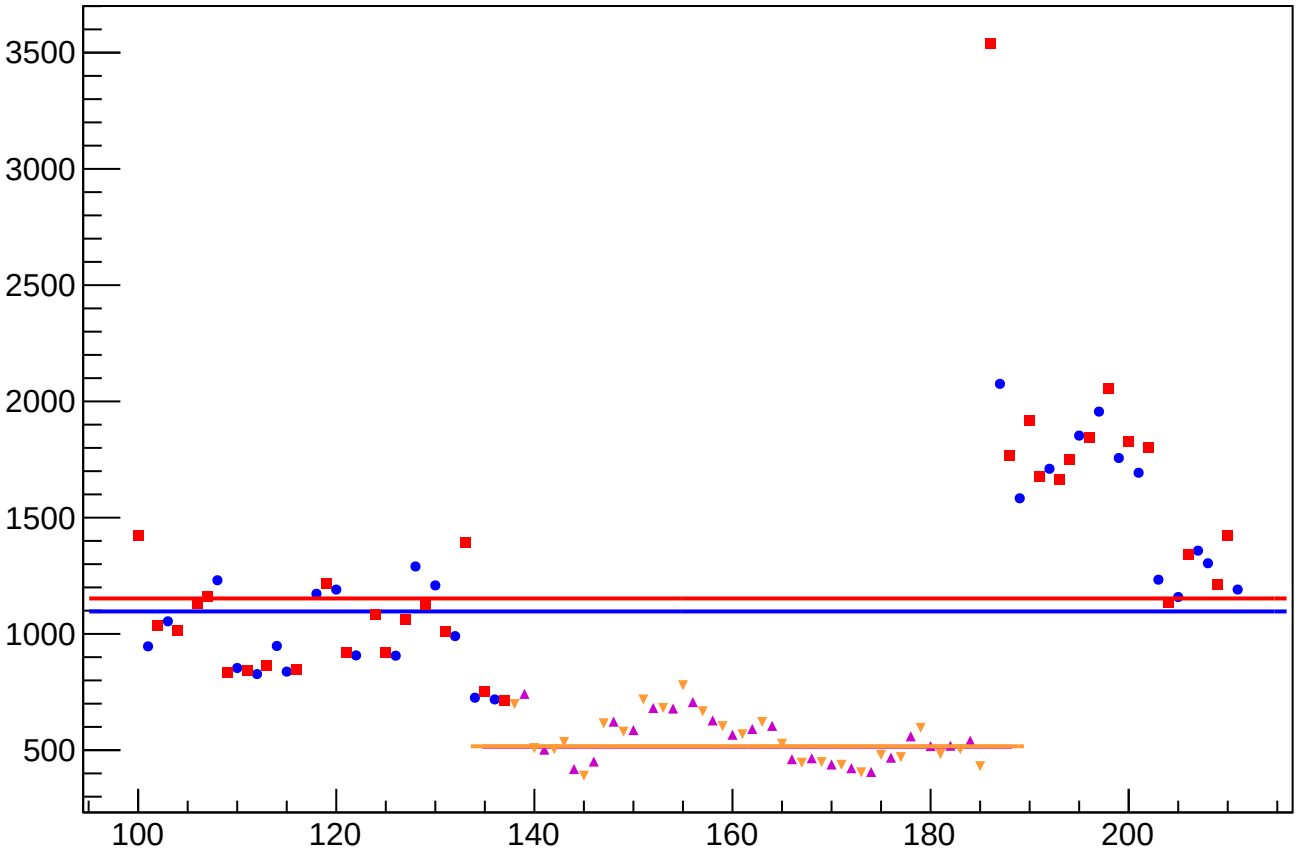
Right Out: -991.408+/-285.188 χ^2/NDF: 32.2/32

Left In: -88.334+/-122.492 χ^2/NDF:24.6/22

+ sign -600.042+/-110.207 χ^2/NDF: 100.8/52

All: -418.416+/-78.744 χ^2/NDF: 171.5/108

- sign -228.988+/-112.550 χ^2/NDF: 65.2/55



Right In: 1096.661+/-0.199 χ^2/NDF: 2684844.9/27

Left Out: 516.635+/-0.085 χ^2/NDF:1265161.0/24

Right Out: 1152.521+/-0.202 χ^2/NDF: 3323561.7/32

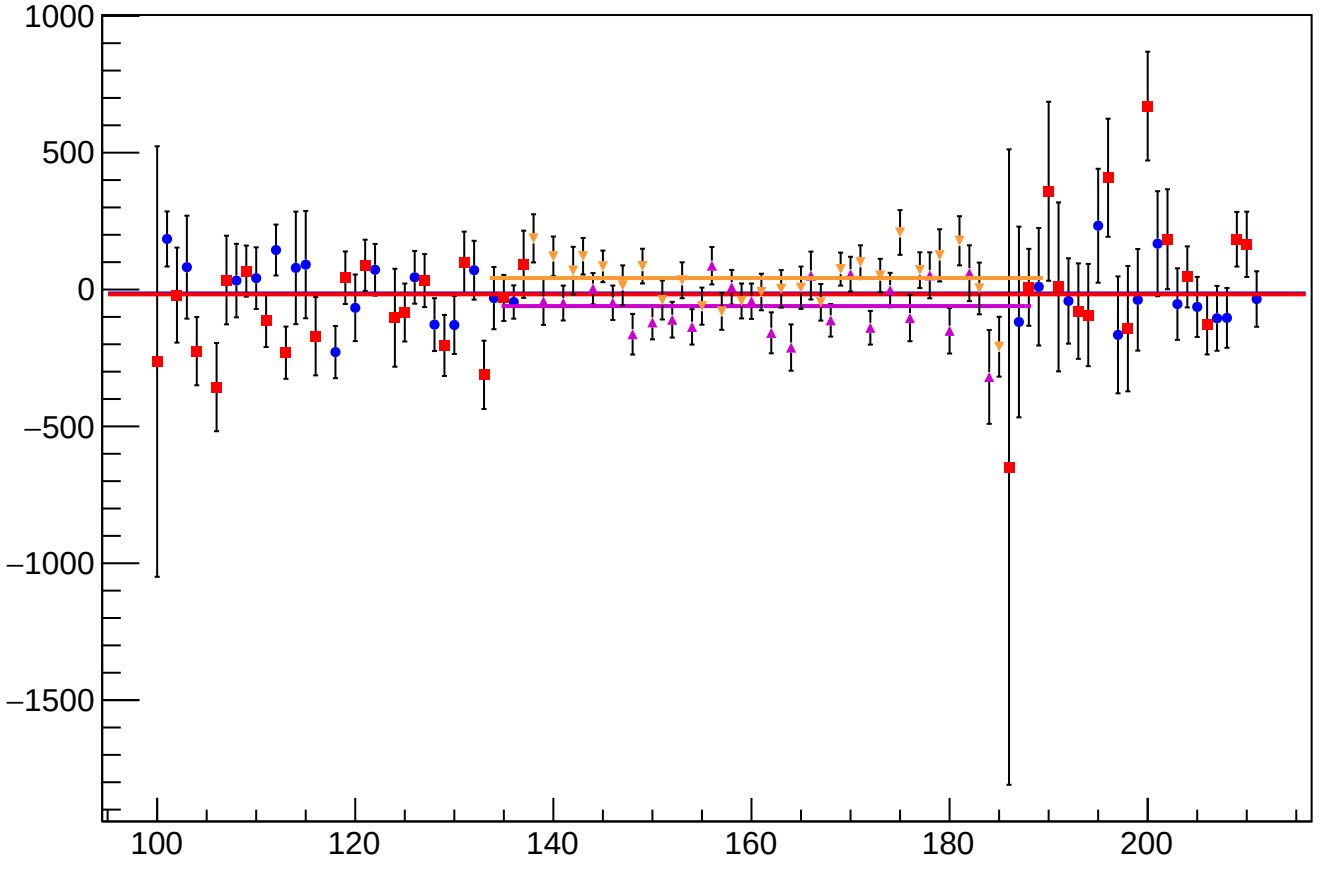
Left In: 514.781+/-0.087 χ^2/NDF:1120436.1/22

+ sign 605.280+/-0.078 χ^2/NDF: 11122611.6/52

All: 609.602+/-0.056 χ^2/NDF: 24016495.4/10

- sign 614.109+/-0.080 χ^2/NDF: 12887600.1/55

cor_asym_sam_12345678_avg_mean vs Slug



Right In: -14.462+/-22.241 χ^2/NDF: 22.4/27

Left Out: 42.017+/-14.181 χ^2/NDF:32.0/24

Right Out: -17.590+/-22.367 χ^2/NDF: 55.2/32

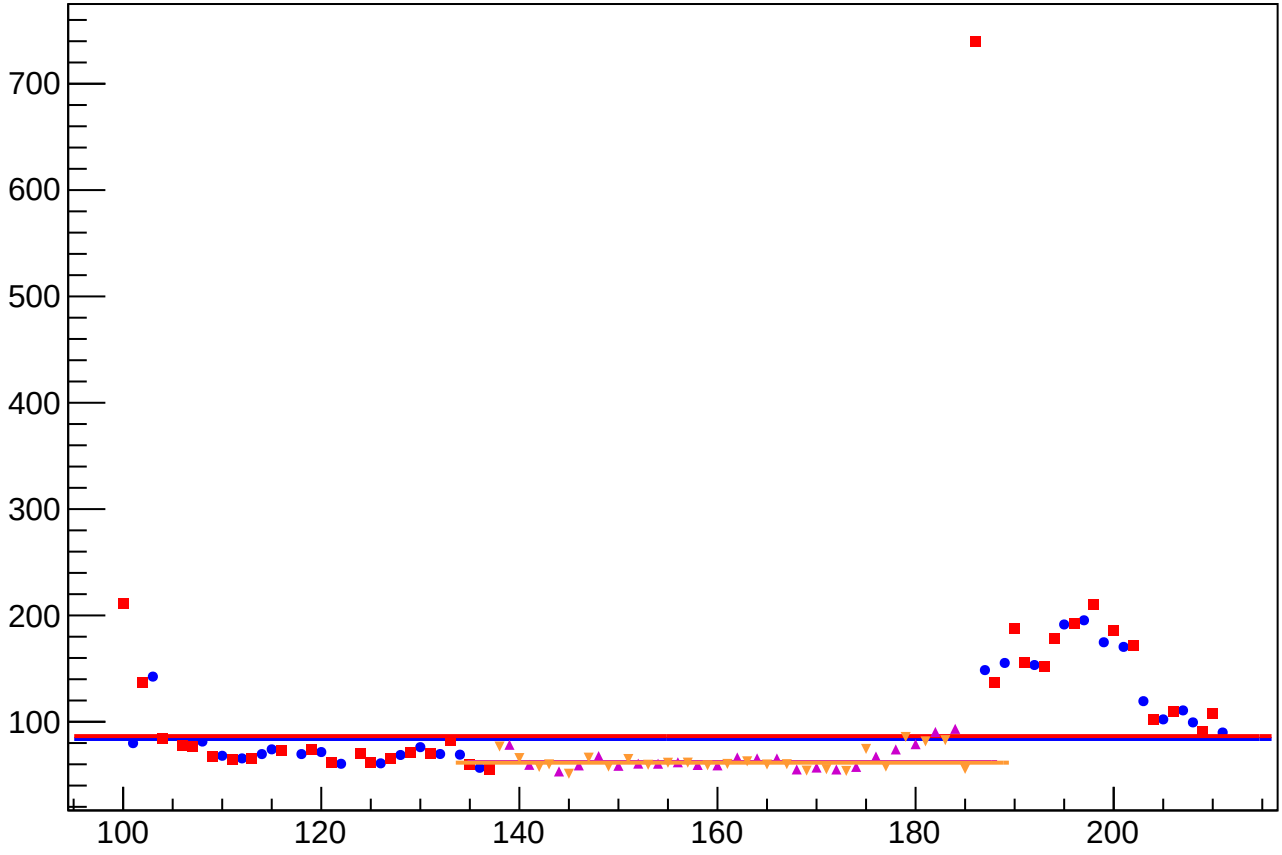
Left In: -60.376+/-14.714 χ^2/NDF:32.2/22

+ sign 25.693+/-11.957 χ^2/NDF: 59.1/52

All: -9.870+/-8.571 χ^2/NDF: 167.2/108

- sign -47.453+/-12.292 χ^2/NDF: 90.0/55

cor_asym_sam_12345678_avg_rms vs Slug



Right In: 83.818+/-0.016 χ^2/NDF: 4168469.6/27

Left Out: 61.544+/-0.010 χ^2/NDF:637834.9/24

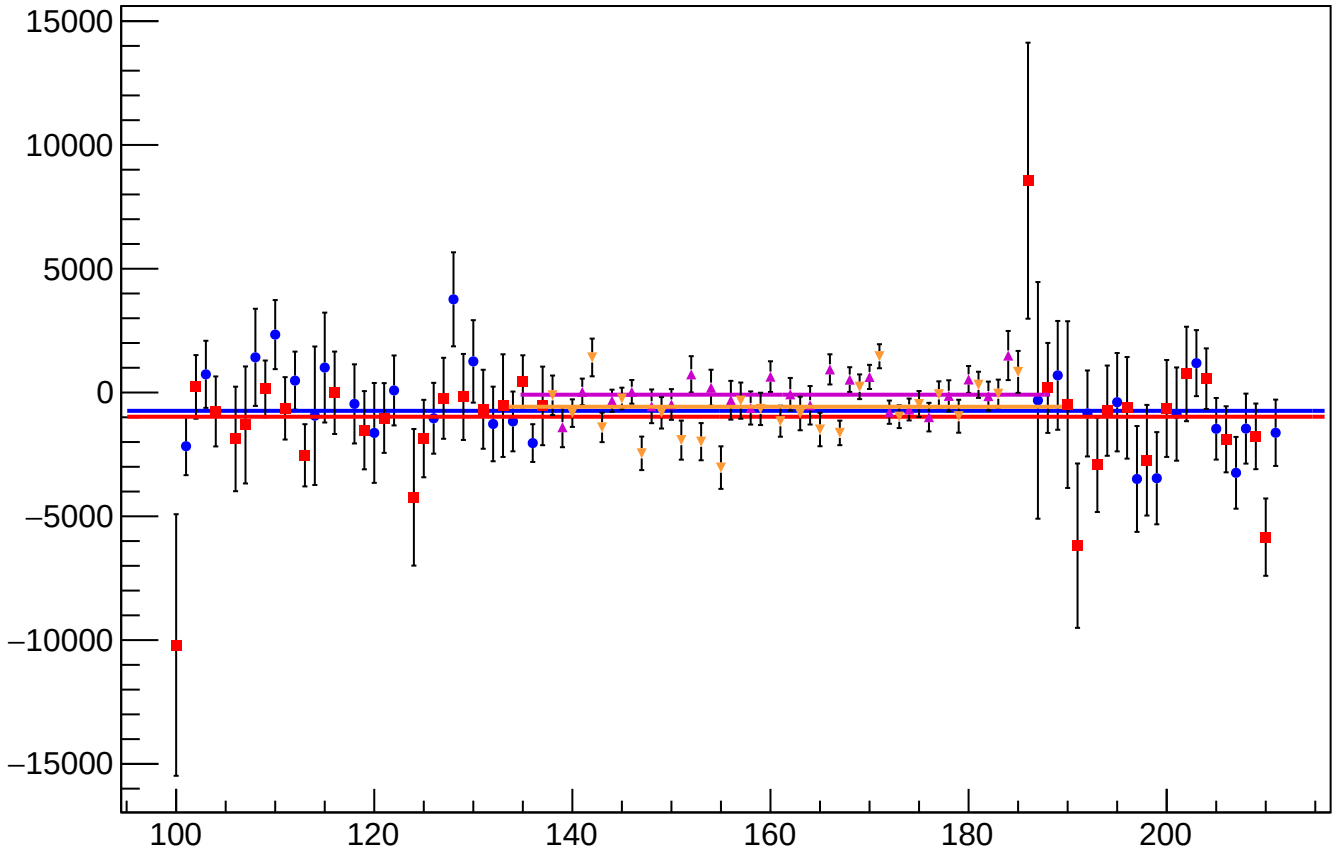
Right Out: 86.518+/-0.016 χ^2/NDF: 5477120.4/32

Left In: 62.144+/-0.010 χ^2/NDF:596754.9/22

+ sign 67.982+/-0.008 χ^2/NDF: 6232451.1/52

All: 68.723+/-0.006 χ^2/NDF: 13979678.1/108

- sign 69.506+/-0.009 χ^2/NDF: 7731432.2/55



Right In: -739.848+/-281.910 χ^2/NDF: 31.7/27

Left Out: -574.811+/-119.736 χ^2/NDF:68.8/24

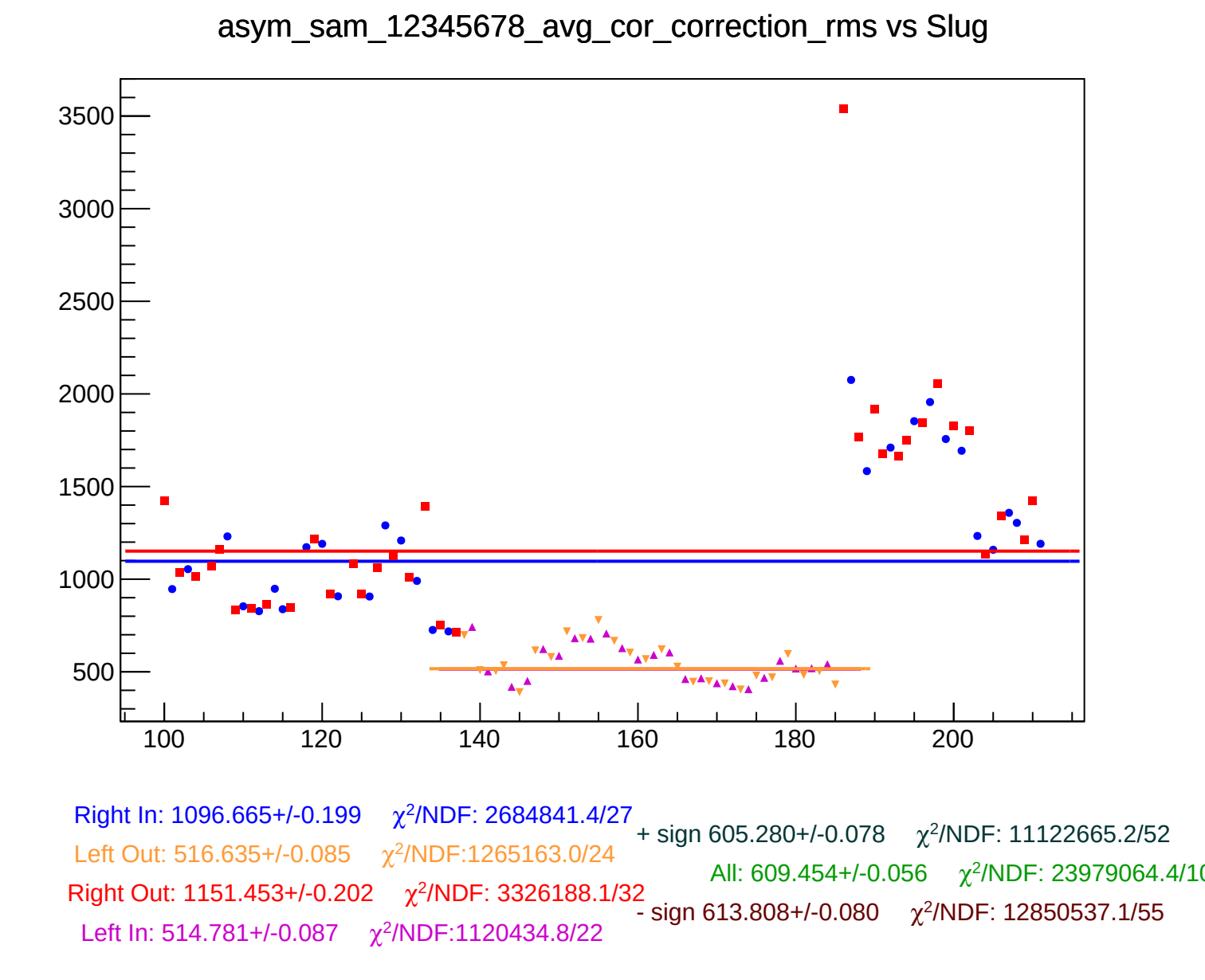
Right Out: -978.117+/-285.417 χ^2/NDF: 31.8/32

Left In: -88.333+/-122.492 χ^2/NDF:24.6/22

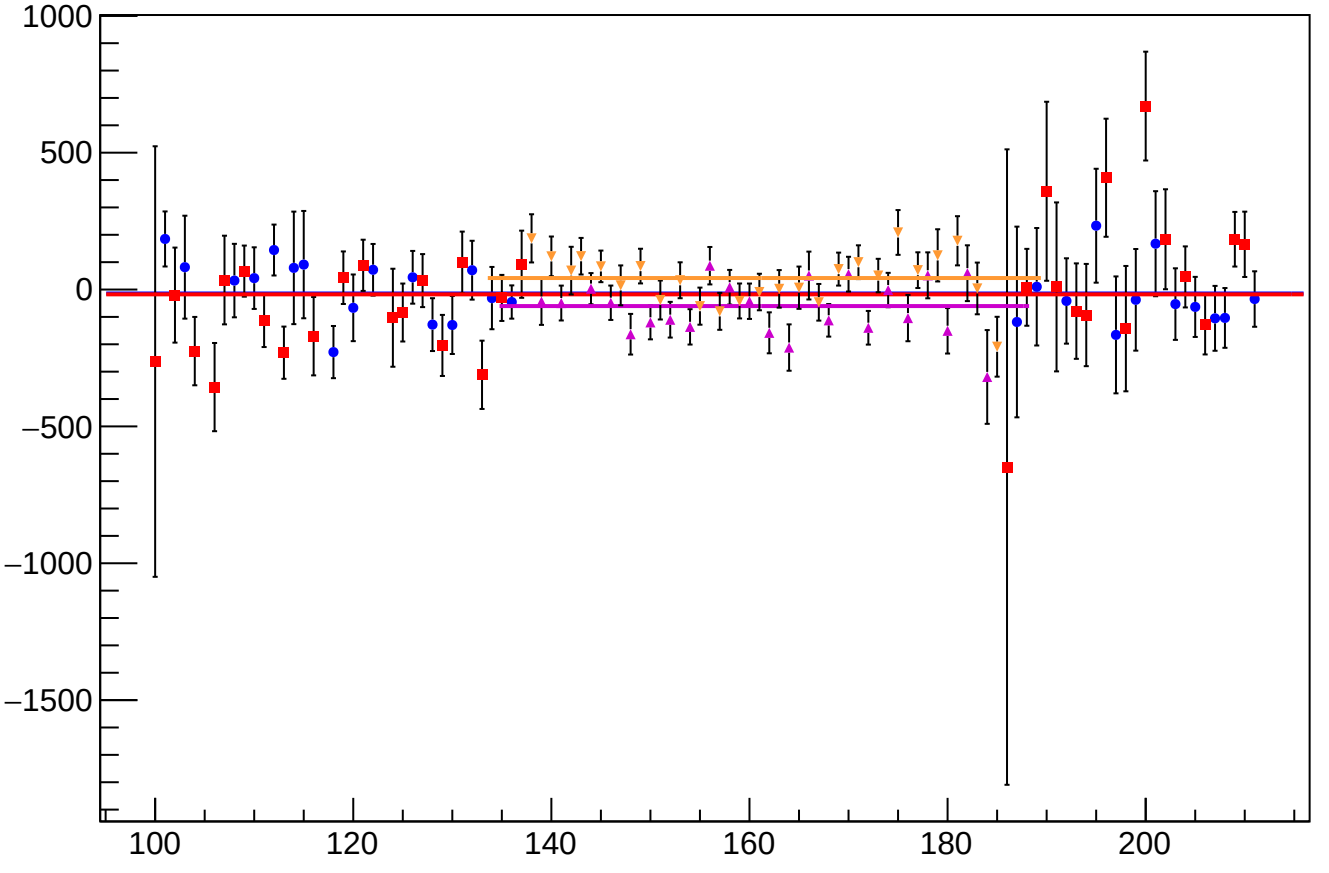
+ sign -600.033+/-110.208 χ^2/NDF: 100.8/52

All: -417.329+/-78.748 χ^2/NDF: 170.9/108

- sign -226.729+/-112.564 χ^2/NDF: 64.6/55


asym_sam_12345678_avg_cor_correction_rms vs Slug
3500
3000
2500
2000
1500
1000
500
100
120
140
160
180
200
Right In: 1096.665+/-0.199 χ²/NDF: 2684841.4/27
Left Out: 516.635+/-0.085 χ²/NDF:1265163.0/24
Right Out: 1151.453+/-0.202 χ²/NDF: 3326188.1/32
Left In: 514.781+/-0.087 χ²/NDF:1120434.8/22
+ sign 605.280+/-0.078 χ²/NDF: 11122665.2/52
All: 609.454+/-0.056 χ²/NDF: 23979064.4/10
- sign 613.808+/-0.080 χ²/NDF: 12850537.1/55

eigen_cor_asym_sam_12345678_avg_mean vs Slug



Right In: -14.462+/-22.241 χ^2/NDF: 22.4/27

Left Out: 42.017+/-14.181 χ^2/NDF:32.0/24

Right Out: -17.590+/-22.367 χ^2/NDF: 55.2/32

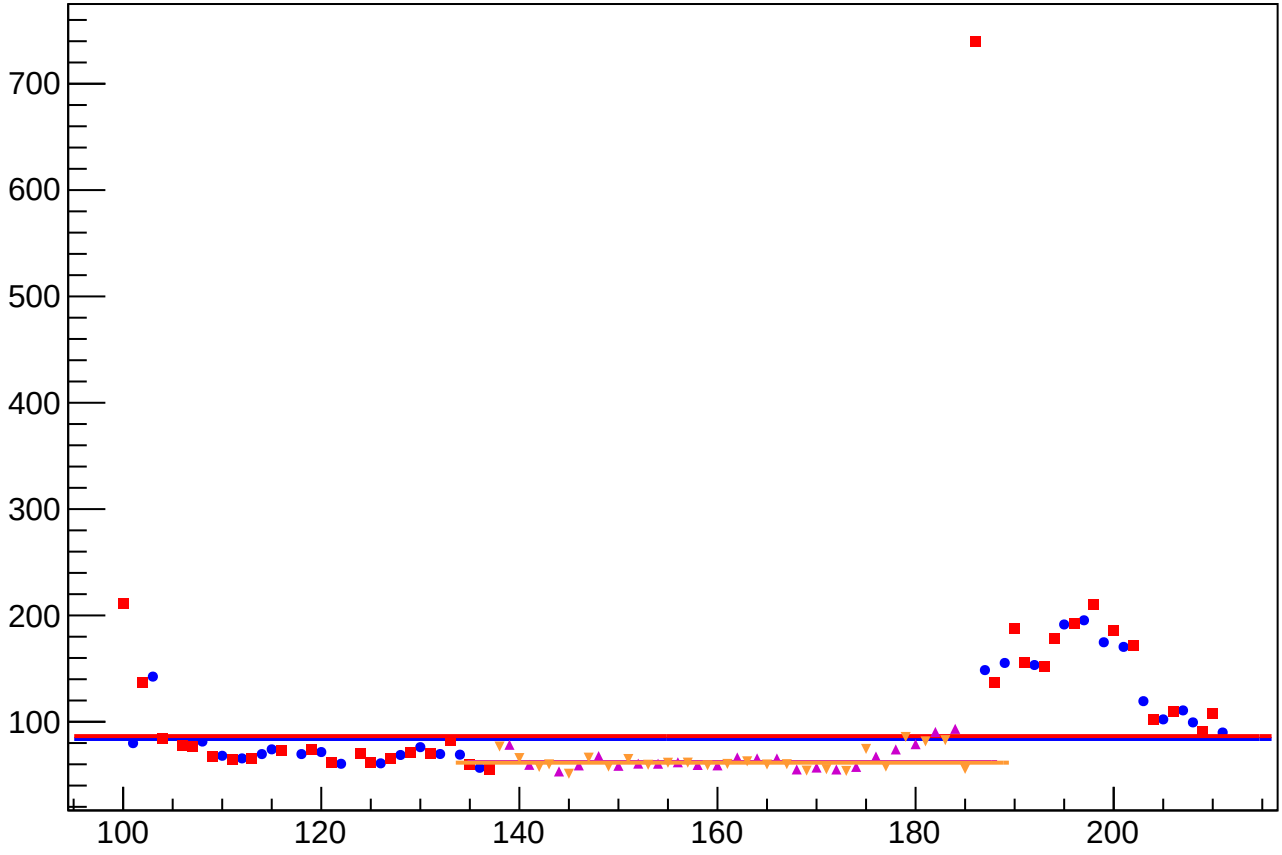
Left In: -60.376+/-14.714 χ^2/NDF:32.2/22

+ sign 25.693+/-11.957 χ^2/NDF: 59.1/52

All: -9.870+/-8.571 χ^2/NDF: 167.2/108

- sign -47.453+/-12.292 χ^2/NDF: 90.0/55

eigen_cor_asym_sam_12345678_avg_rms vs Slug



Right In: 83.818+/-0.016 χ^2/NDF: 4168469.6/27

Left Out: 61.544+/-0.010 χ^2/NDF:637834.9/24

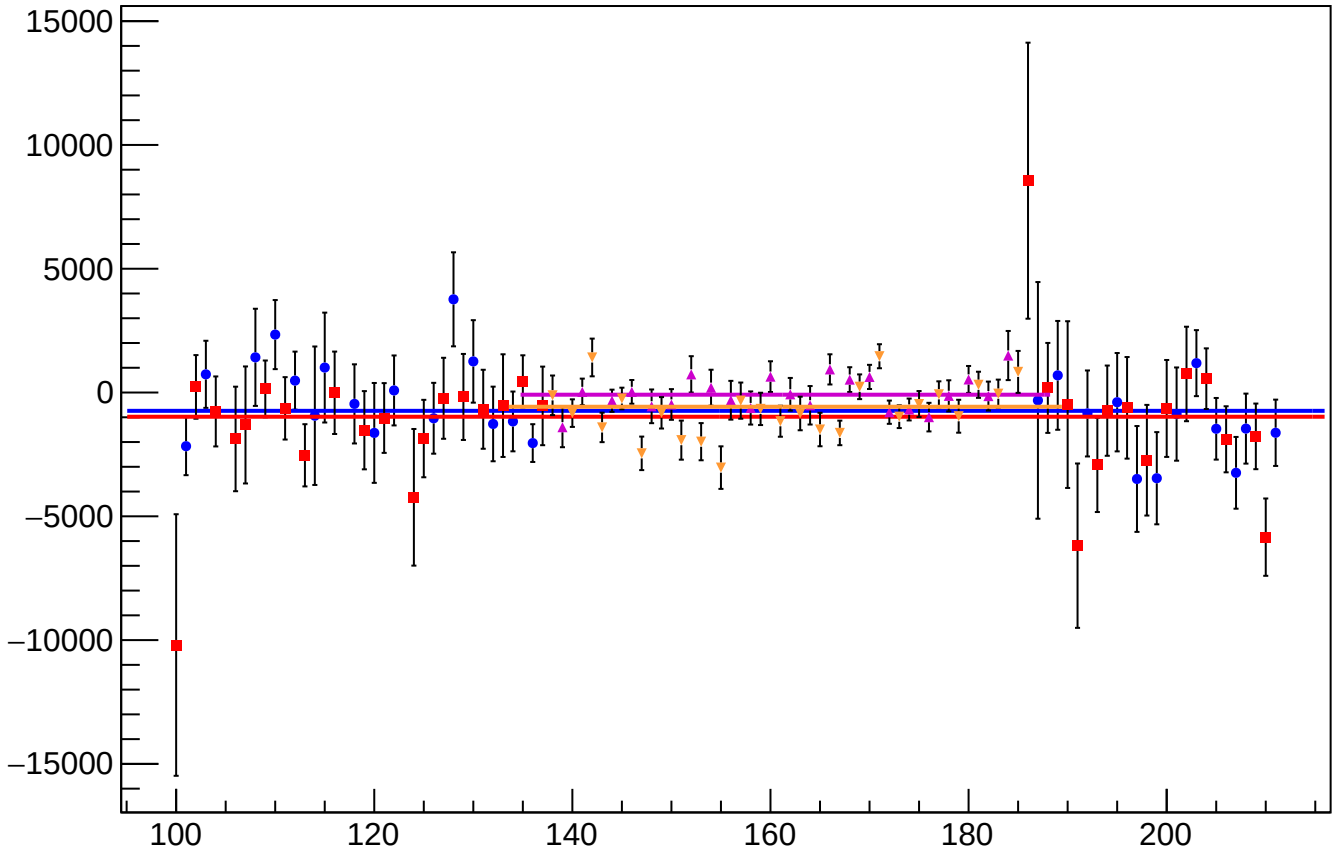
Right Out: 86.518+/-0.016 χ^2/NDF: 5477120.4/32

Left In: 62.144+/-0.010 χ^2/NDF:596754.9/22

+ sign 67.982+/-0.008 χ^2/NDF: 6232451.1/52

All: 68.723+/-0.006 χ^2/NDF: 13979678.1/108

- sign 69.506+/-0.009 χ^2/NDF: 7731432.2/55



Right In: -739.848+/-281.910 χ^2/NDF: 31.7/27

Left Out: -574.811+/-119.736 χ^2/NDF:68.8/24

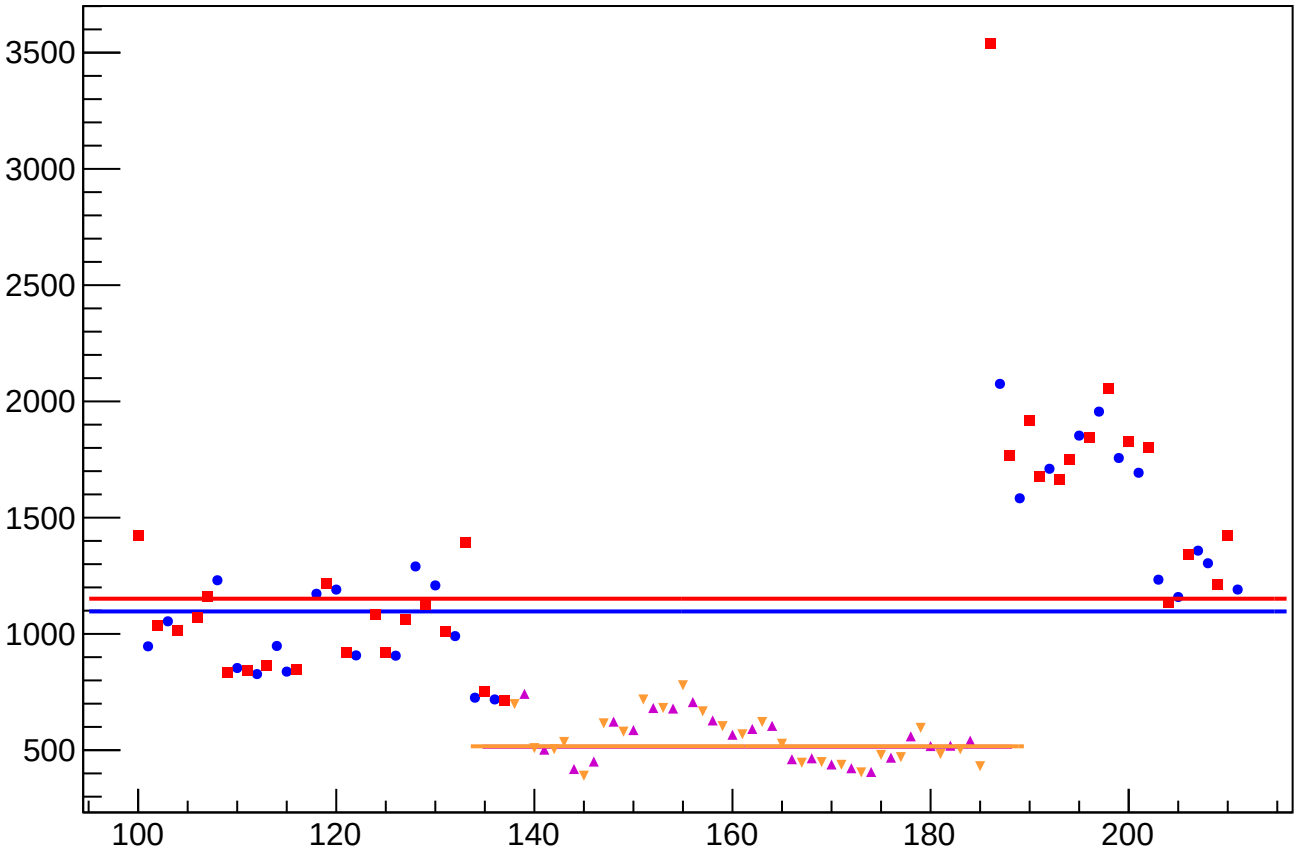
Right Out: -978.117+/-285.417 χ^2/NDF: 31.8/32

Left In: -88.333+/-122.492 χ^2/NDF:24.6/22

\+ sign -600.033+/-110.208 χ^2/NDF: 100.8/52

All: -417.329+/-78.748 χ^2/NDF: 170.9/108

\- sign -226.729+/-112.564 χ^2/NDF: 64.6/55



Right In: 1096.665+/-0.199 χ^2/NDF: 2684841.4/27

Left Out: 516.635+/-0.085 χ^2/NDF:1265163.0/24

Right Out: 1151.453+/-0.202 χ^2/NDF: 3326188.1/32

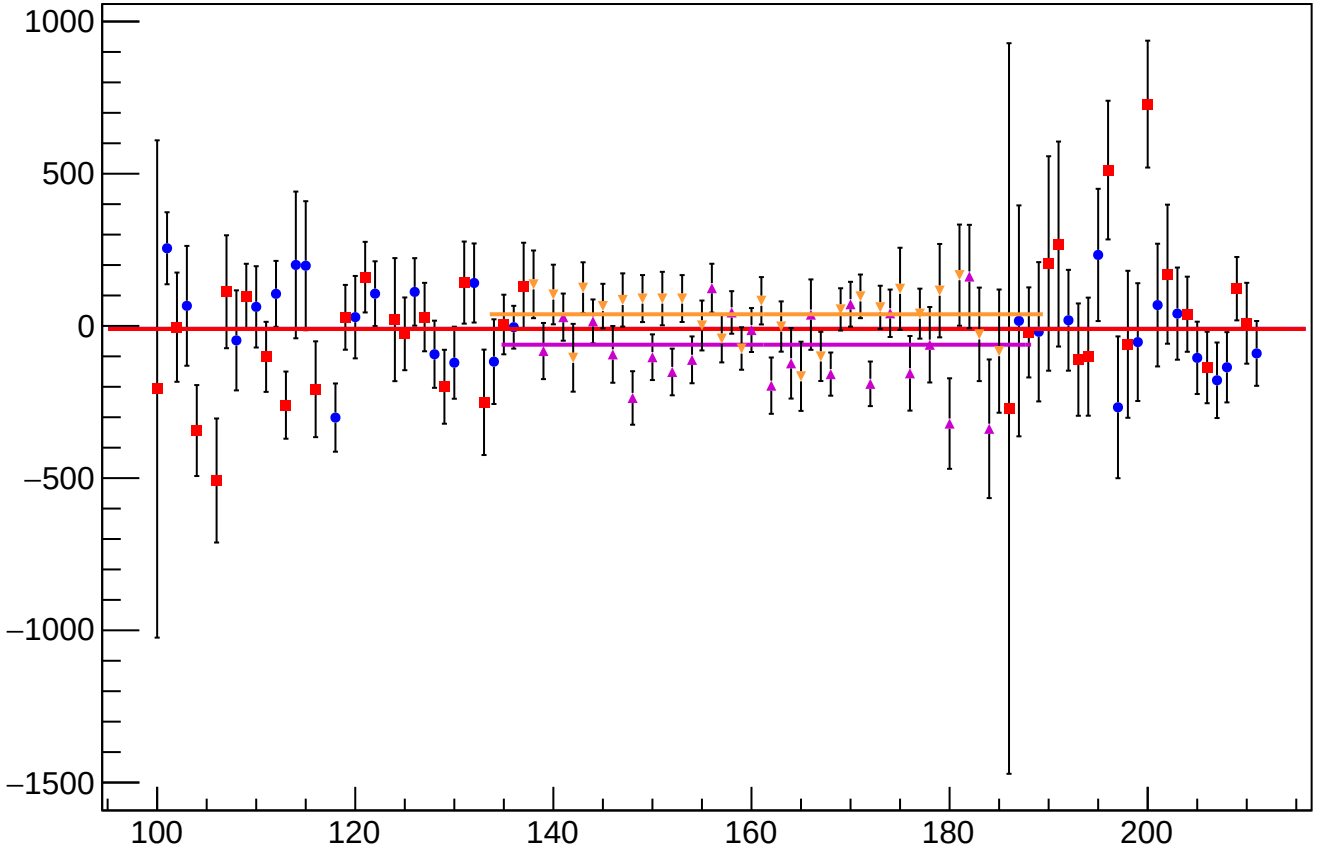
Left In: 514.781+/-0.087 χ^2/NDF:1120434.8/22

+ sign 605.280+/-0.078 χ^2/NDF: 11122665.2/52

All: 609.454+/-0.056 χ^2/NDF: 23979064.4/10

- sign 613.808+/-0.080 χ^2/NDF: 12850537.1/55

dit_asym_sam_12345678_avg_mean vs Slug



Right In: -9.476+/-25.140 χ^2/NDF: 28.1/27

Left Out: 38.281+/-17.669 χ^2/NDF:18.8/24

Right Out: -10.054+/-25.437 χ^2/NDF: 51.9/32

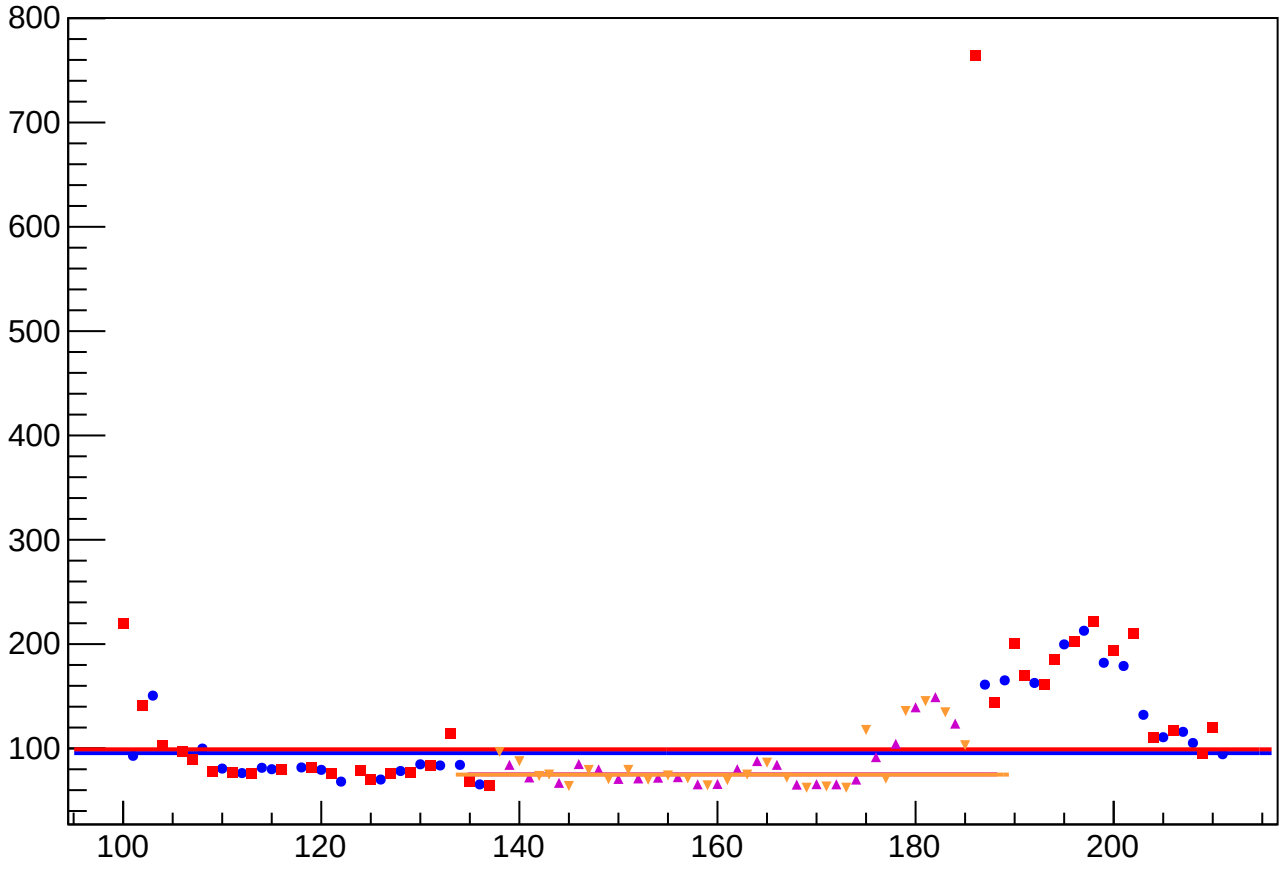
Left In: -61.723+/-18.192 χ^2/NDF:36.7/22

+ sign 22.491+/-14.456 χ^2/NDF: 49.3/52

All: -10.097+/-10.340 χ^2/NDF: 151.1/108

- sign -44.239+/-14.797 χ^2/NDF: 91.4/55

dit_asym_sam_12345678_avg_rms vs Slug



Right In: 95.494+/-0.018 χ^2/NDF: 3523717.4/27

Left Out: 74.903+/-0.012 χ^2/NDF:1661552.1/24

Right Out: 99.130+/-0.018 χ^2/NDF: 4815431.9/32

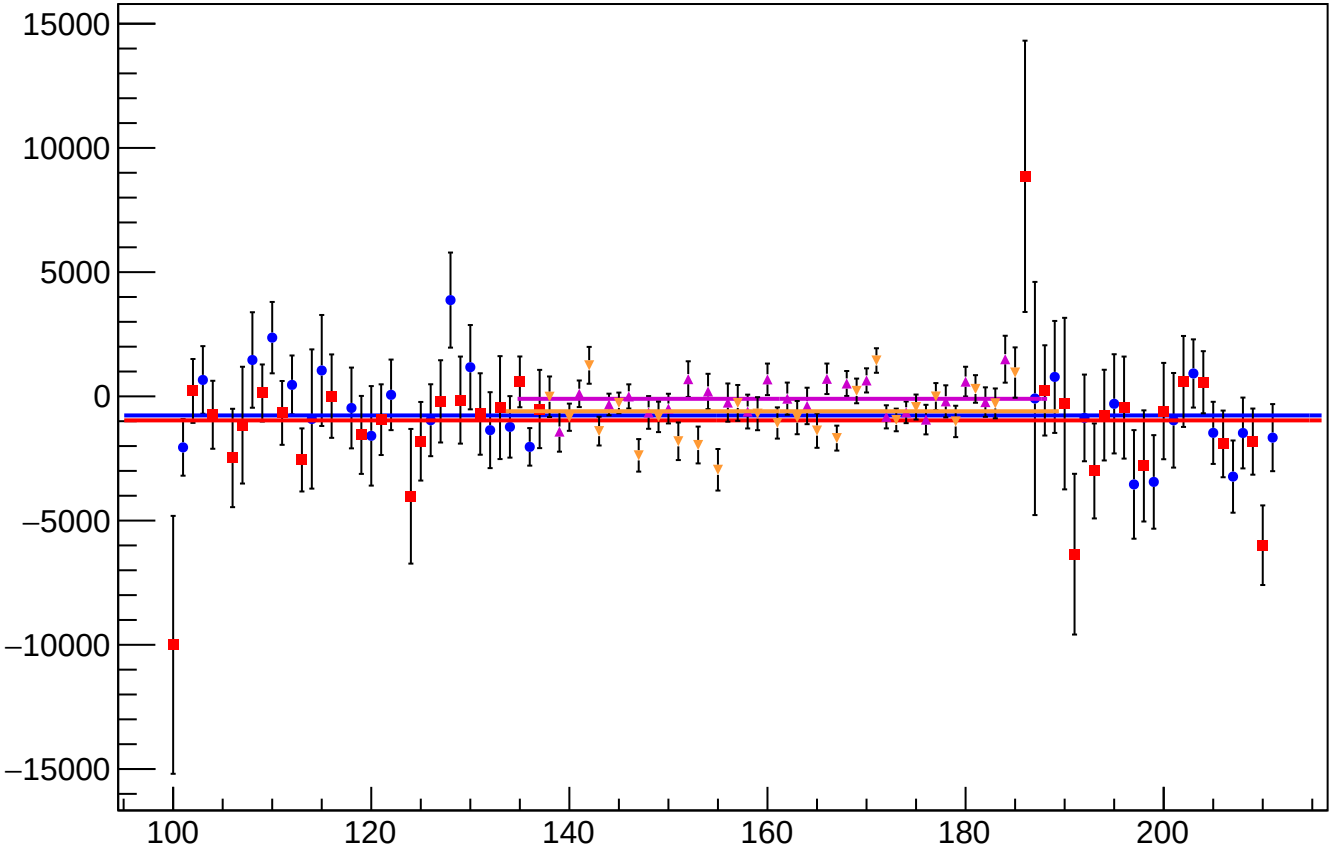
Left In: 75.156+/-0.013 χ^2/NDF:1312543.0/22

+ sign 81.711+/-0.010 χ^2/NDF: 6083310.3/52

All: 82.471+/-0.007 χ^2/NDF: 13398043.1/108

- sign 83.268+/-0.010 χ^2/NDF: 7303399.8/55

asym_sam_12345678_avg_dit_correction_mean vs Slug



Right In: -767.567+/-283.609 χ^2/NDF: 30.6/27

Left Out: -598.826+/-119.324 χ^2/NDF:65.0/24

Right Out: -966.760+/-285.309 χ^2/NDF: 33.4/32

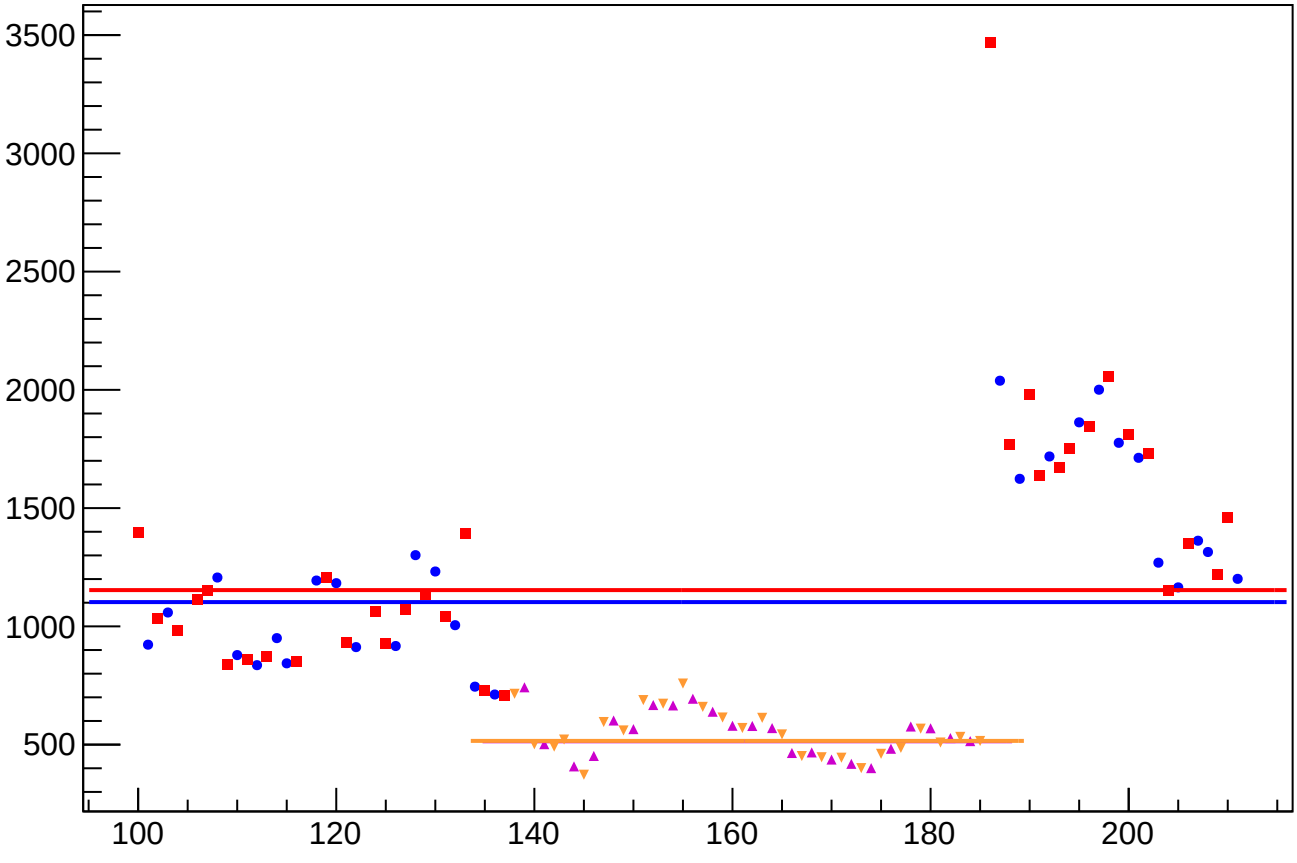
Left In: -99.102+/-122.310 χ^2/NDF:23.7/22

+ sign -624.204+/-109.986 χ^2/NDF: 96.0/52

All: -433.270+/-78.617 χ^2/NDF: 167.0/108

- sign -233.804+/-112.416 χ^2/NDF: 64.9/55

asym_sam_12345678_avg_dit_correction_rms vs Slug



Right In: 1102.644+/-0.201 χ^2/NDF: 2738922.8/27

Left Out: 515.762+/-0.084 χ^2/NDF:1232478.6/24

Right Out: 1153.344+/-0.202 χ^2/NDF: 3325363.3/32

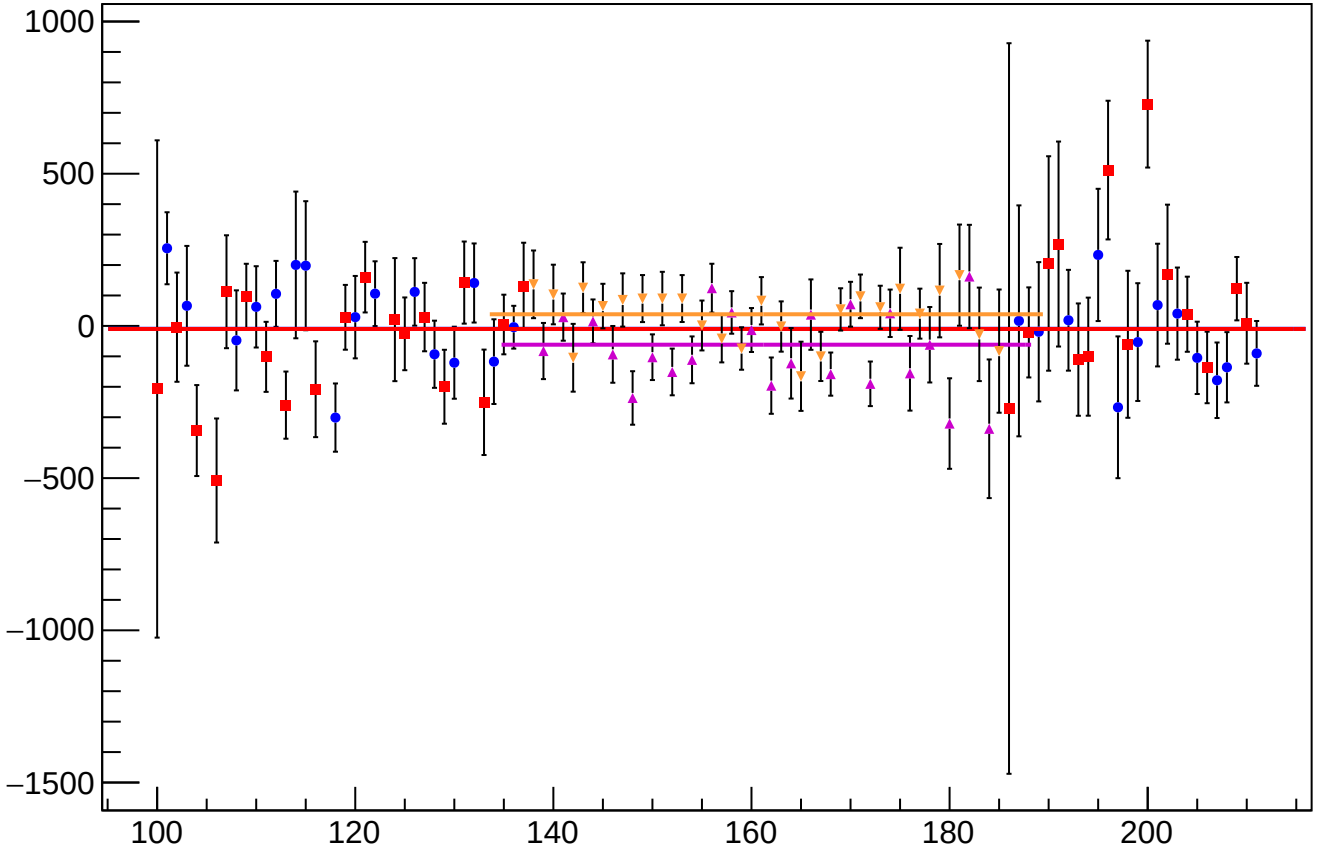
Left In: 514.088+/-0.086 χ^2/NDF:1116884.3/22

+ sign 604.025+/-0.078 χ^2/NDF: 11247659.4/52

All: 608.576+/-0.056 χ^2/NDF: 24178511.1/10

- sign 613.331+/-0.079 χ^2/NDF: 12923849.7/55

eigen_dit_asym_sam_12345678_avg_mean vs Slug



Right In: -9.476+/-25.140 χ^2/NDF: 28.1/27

Left Out: 38.282+/-17.670 χ^2/NDF:18.8/24

Right Out: -10.052+/-25.437 χ^2/NDF: 51.9/32

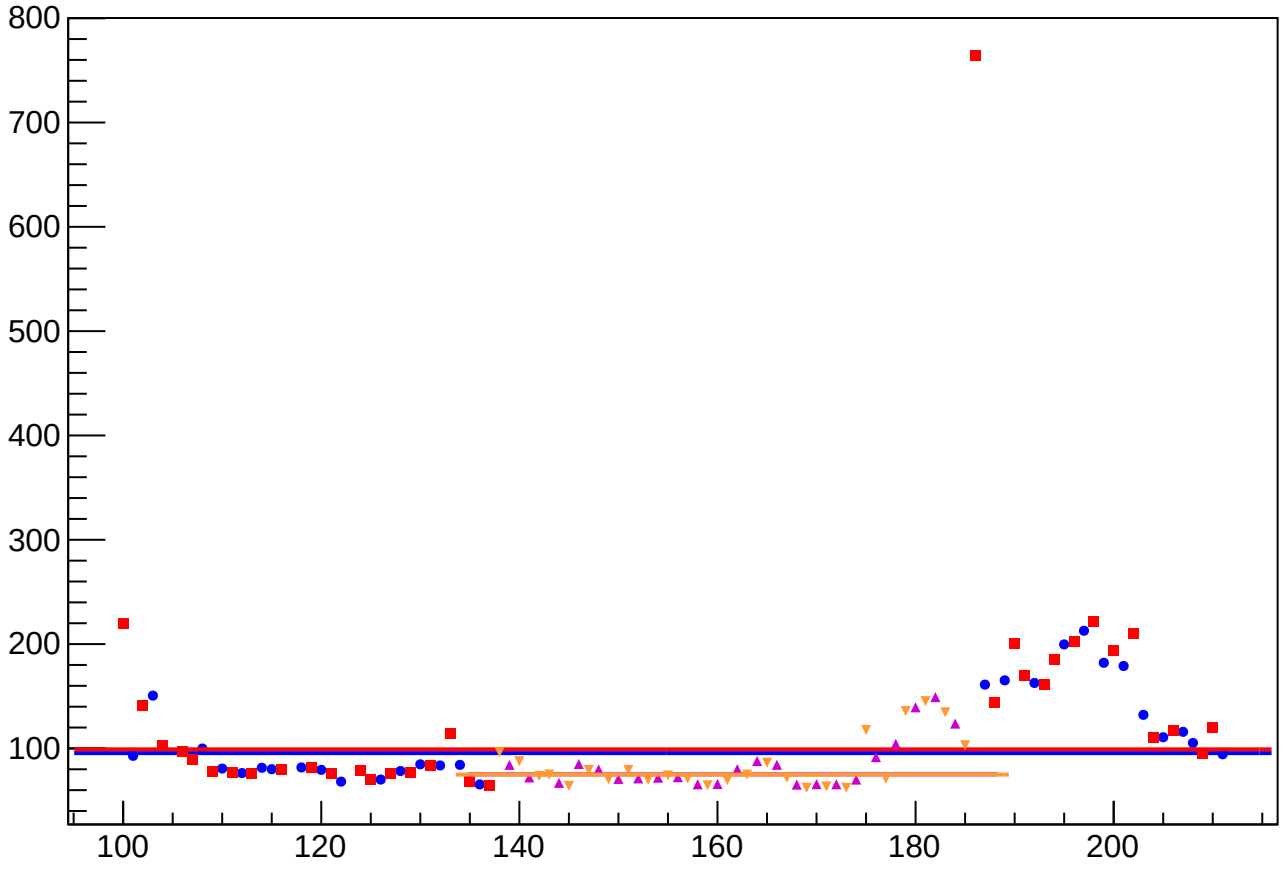
Left In: -61.723+/-18.192 χ^2/NDF:36.7/22

+ sign 22.491+/-14.456 χ^2/NDF: 49.3/52

All: -10.096+/-10.340 χ^2/NDF: 151.1/108

- sign -44.238+/-14.797 χ^2/NDF: 91.4/55

eigen_dit_asym_sam_12345678_avg_rms vs Slug



Right In: 95.494+/-0.018 χ^2/NDF: 3523729.2/27

Left Out: 74.903+/-0.012 χ^2/NDF:1661550.3/24

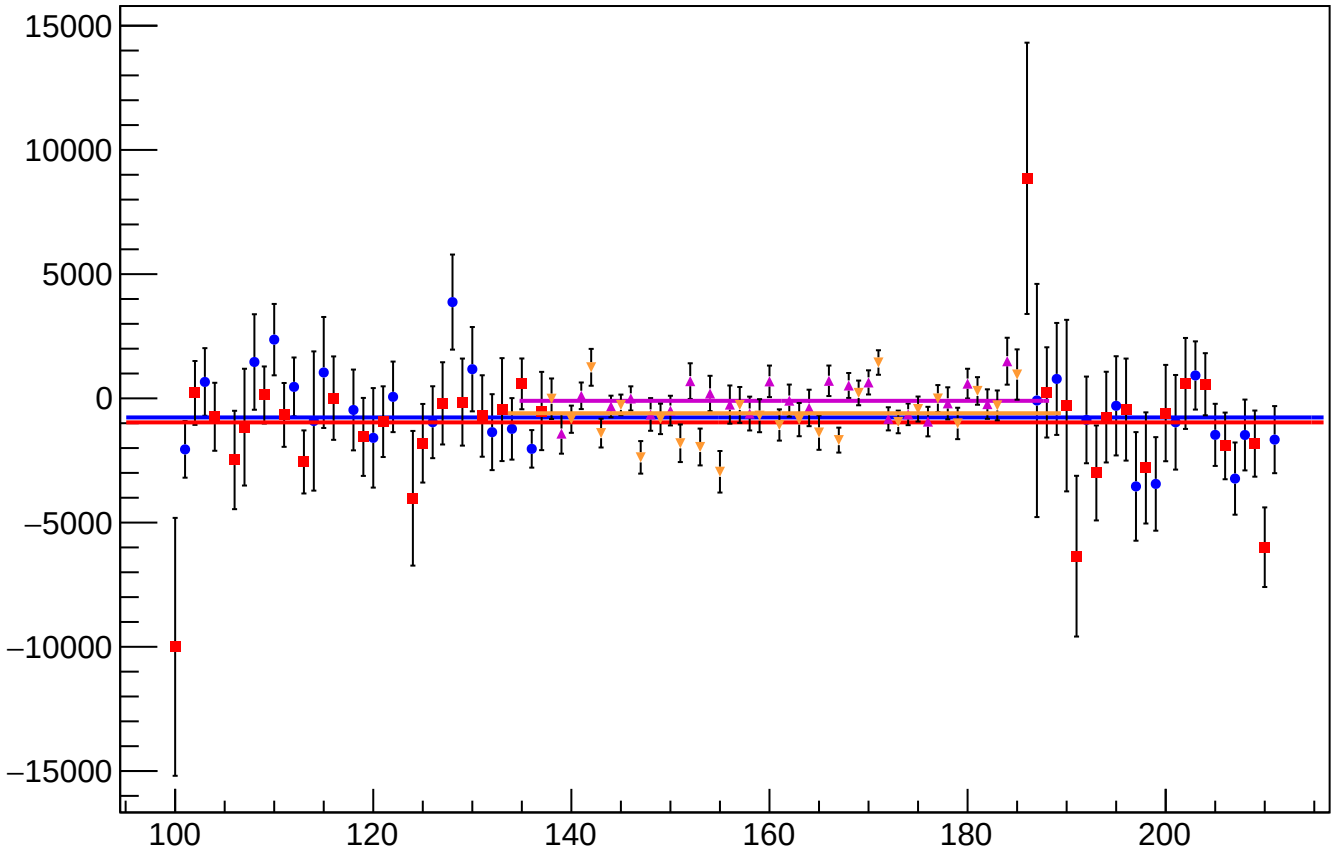
Right Out: 99.130+/-0.018 χ^2/NDF: 4815460.8/32

Left In: 75.156+/-0.013 χ^2/NDF:1312527.7/22

+ sign 81.711+/-0.010 χ^2/NDF: 6083283.0/52

All: 82.472+/-0.007 χ^2/NDF: 13397987.0/108

- sign 83.268+/-0.010 χ^2/NDF: 7303370.6/55



Right In: -767.564+/-283.609 χ^2/NDF: 30.6/27

Left Out: -598.825+/-119.324 χ^2/NDF:65.0/24

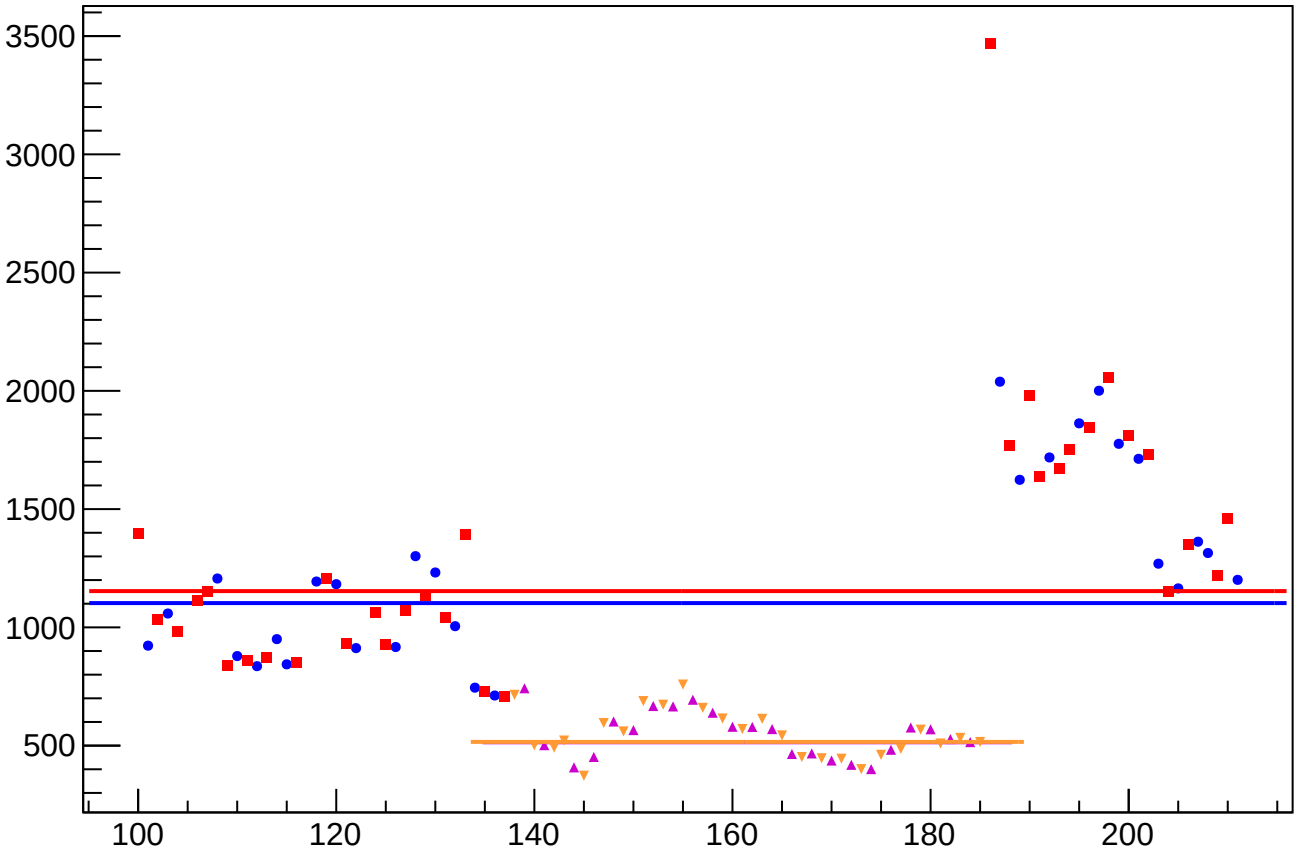
Right Out: -966.758+/-285.309 χ^2/NDF: 33.4/32

Left In: -99.101+/-122.310 χ^2/NDF:23.7/22

+ sign -624.203+/-109.985 χ^2/NDF: 96.0/52

All: -433.269+/-78.617 χ^2/NDF: 167.0/108

- sign -233.803+/-112.416 χ^2/NDF: 64.9/55



Right In: 1102.642+/-0.201 χ^2/NDF: 2738931.7/27

Left Out: 515.761+/-0.084 χ^2/NDF:1232481.1/24

Right Out: 1153.342+/-0.202 χ^2/NDF: 3325374.8/32

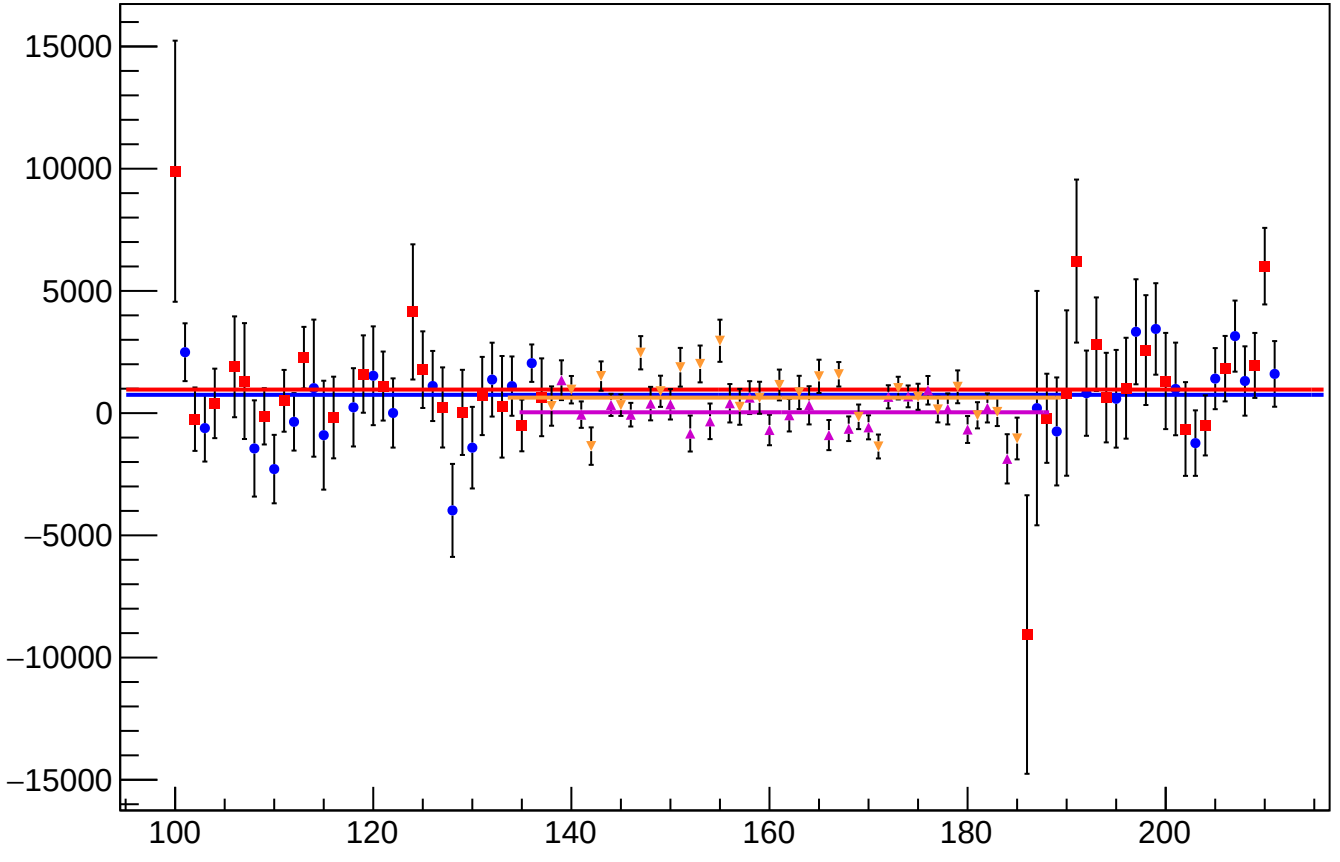
Left In: 514.087+/-0.086 χ^2/NDF:1116882.7/22

+ sign 604.024+/-0.078 χ^2/NDF: 11247669.8/52

All: 608.575+/-0.056 χ^2/NDF: 24178525.7/10

- sign 613.330+/-0.079 χ^2/NDF: 12923853.8/55

asym_sam_12345678_avg_mean vs Slug



Right In: 749.435+/-283.120 χ^2/NDF: 31.9/27

Left Out: 634.783+/-120.717 χ^2/NDF:64.5/24

Right Out: 964.026+/-286.388 χ^2/NDF: 32.0/32

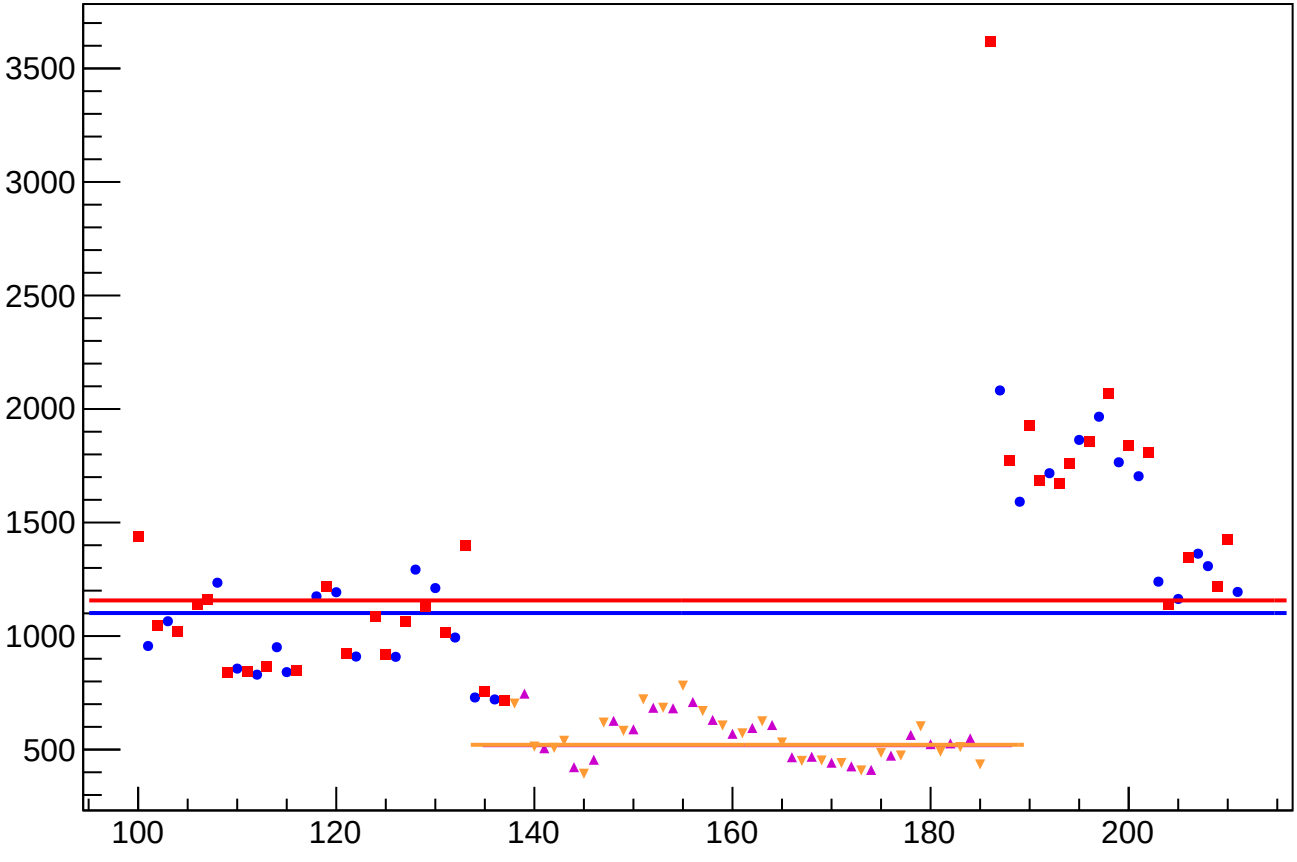
Left In: 34.808+/-123.517 χ^2/NDF:25.1/22

+ sign 652.421+/-111.044 χ^2/NDF: 96.5/52

All: 421.474+/-79.346 χ^2/NDF: 171.3/108

- sign 180.547+/-113.418 χ^2/NDF: 66.0/55

asym_sam_12345678_avg_rms vs Slug



Right In: 1101.326+/-0.200 χ^2/NDF: 2687404.3/27

Left Out: 521.025+/-0.085 χ^2/NDF:1243003.9/24

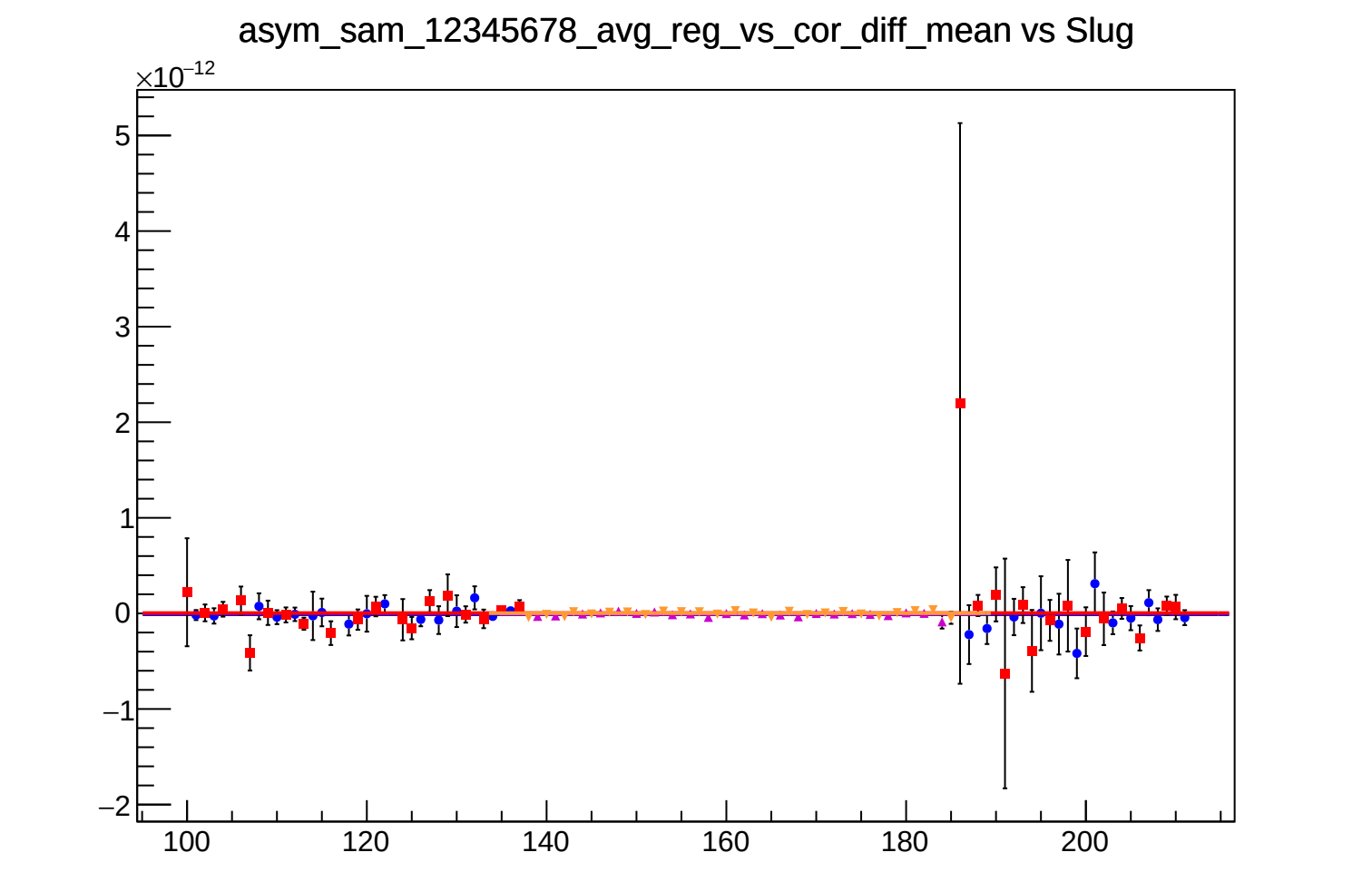
Right Out: 1156.915+/-0.203 χ^2/NDF: 3337938.0/32

Left In: 519.239+/-0.087 χ^2/NDF:1100553.3/22

+ sign 610.295+/-0.079 χ^2/NDF: 11040120.3/52

All: 614.679+/-0.056 χ^2/NDF: 23845448.2/10

- sign 619.252+/-0.080 χ^2/NDF: 12798958.3/55



Right In: -0.000+/-0.000 χ^2/NDF: 14.1/27

Left Out: 0.000+/-0.000 χ^2/NDF:22.4/24

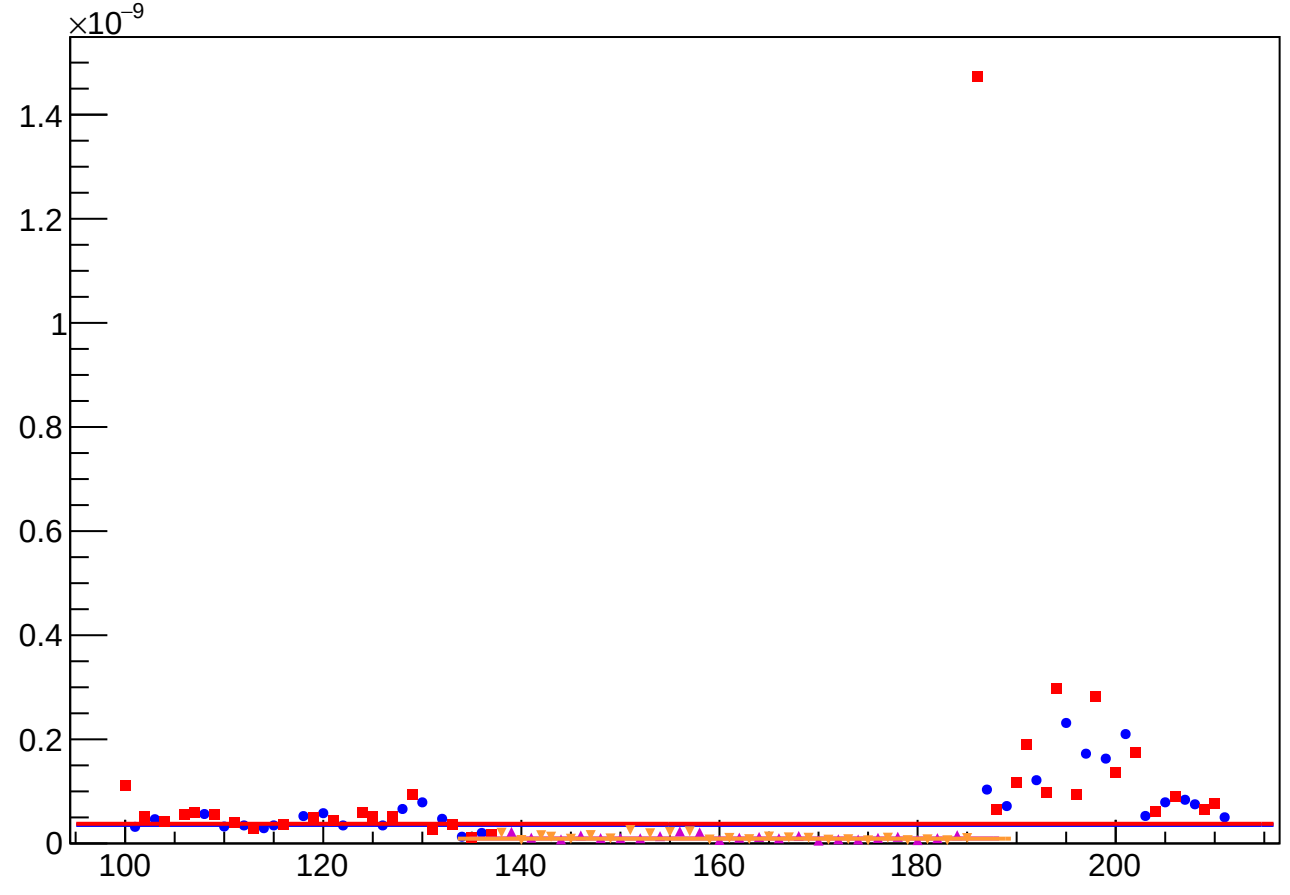
Right Out: 0.000+/-0.000 χ^2/NDF: 28.1/32

Left In: -0.000+/-0.000 χ^2/NDF:10.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 36.9/52

All: -0.000+/-0.000 χ^2/NDF: 77.4/108

- sign -0.000+/-0.000 χ^2/NDF: 39.1/55



Right In: 0.000+/-0.000 χ^2/NDF: 4853417.6/27

Left Out: 0.000+/-0.000 χ^2/NDF:2137290.7/24

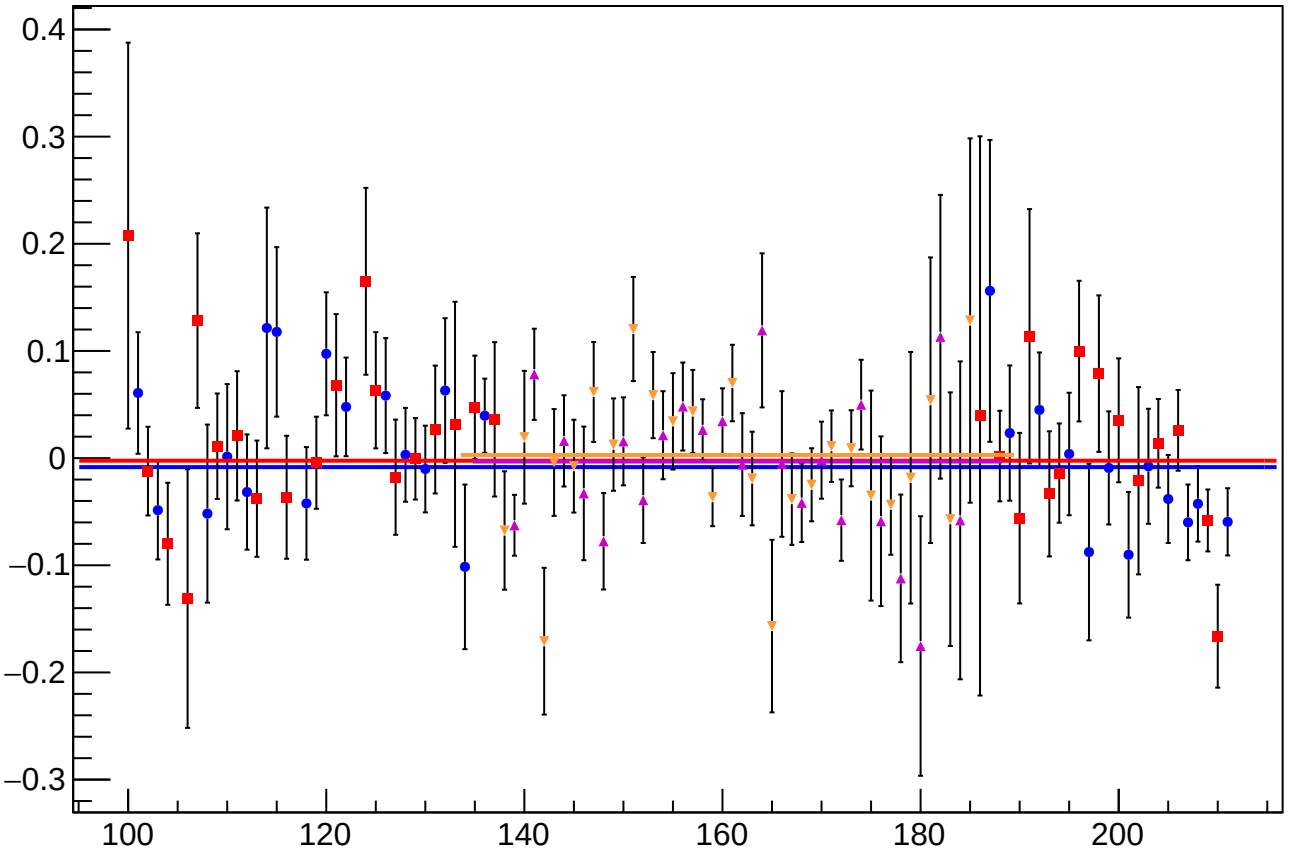
Right Out: 0.000+/-0.000 χ^2/NDF: 5998137.1/32

Left In: 0.000+/-0.000 χ^2/NDF:1614718.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 11905145.9/52

All: 0.000+/-0.000 χ^2/NDF: 24351413.0/108

- sign 0.000+/-0.000 χ^2/NDF: 12434942.3/55



Right In: -0.008+/-0.010 χ^2/NDF: 29.8/27

Left Out: 0.003+/-0.009 χ^2/NDF:32.9/24

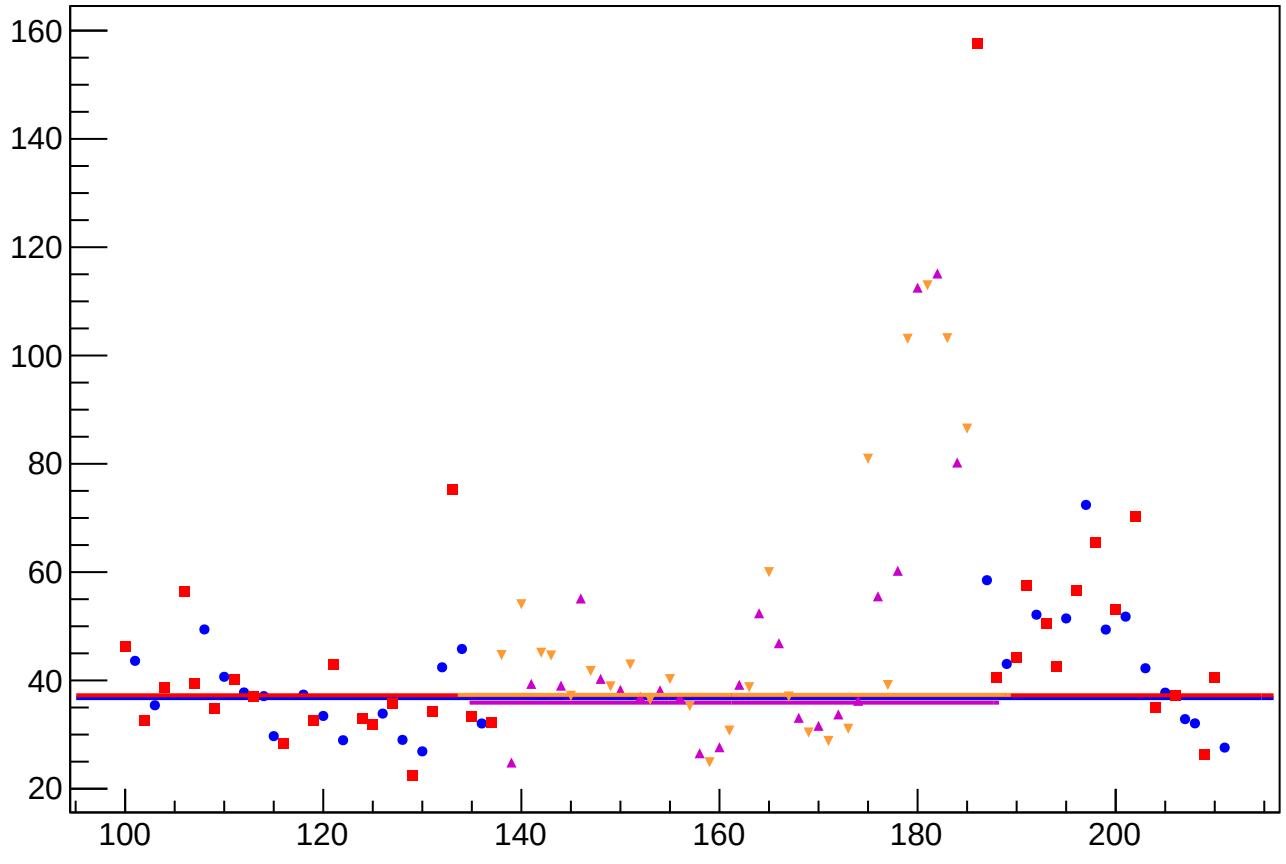
Right Out: -0.002+/-0.010 χ^2/NDF: 38.0/32

Left In: -0.003+/-0.009 χ^2/NDF:29.8/22

+ sign -0.003+/-0.007 χ^2/NDF: 63.4/52

All: -0.003+/-0.005 χ^2/NDF: 131.3/108

- sign -0.003+/-0.007 χ^2/NDF: 67.9/55



Right In: 36.733+/-0.007 χ^2/NDF: 1667792.7/27

Left Out: 37.344+/-0.007 χ^2/NDF:3696647.0/24

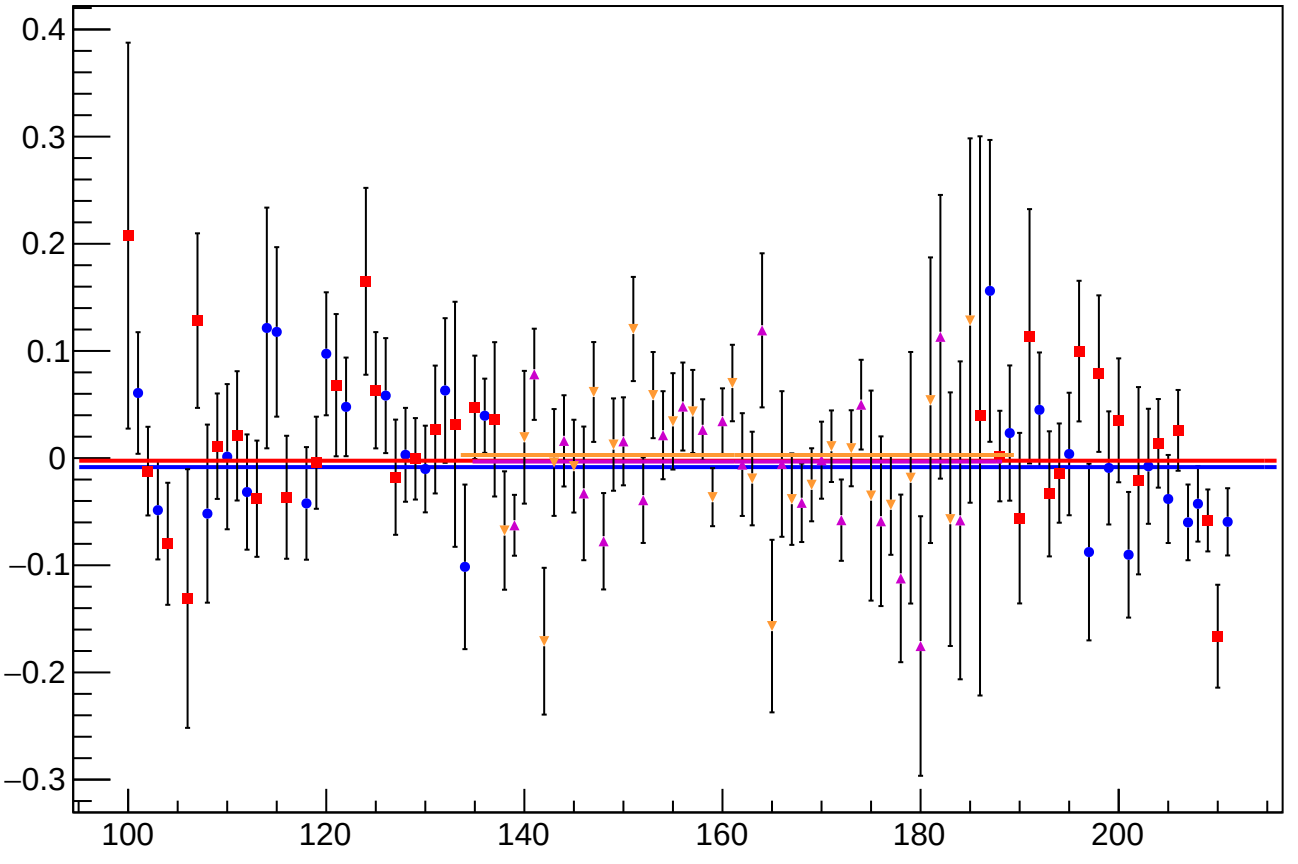
Right Out: 37.255+/-0.007 χ^2/NDF: 2611211.2/32

Left In: 35.896+/-0.006 χ^2/NDF:3138291.6/22

+ sign 37.049+/-0.005 χ^2/NDF: 5368641.1/52

All: 36.797+/-0.003 χ^2/NDF: 11145012.6/108

- sign 36.550+/-0.005 χ^2/NDF: 5770710.1/55



Right In: -0.008+/-0.010 χ^2/NDF: 29.8/27

Left Out: 0.003+/-0.009 χ^2/NDF:32.9/24

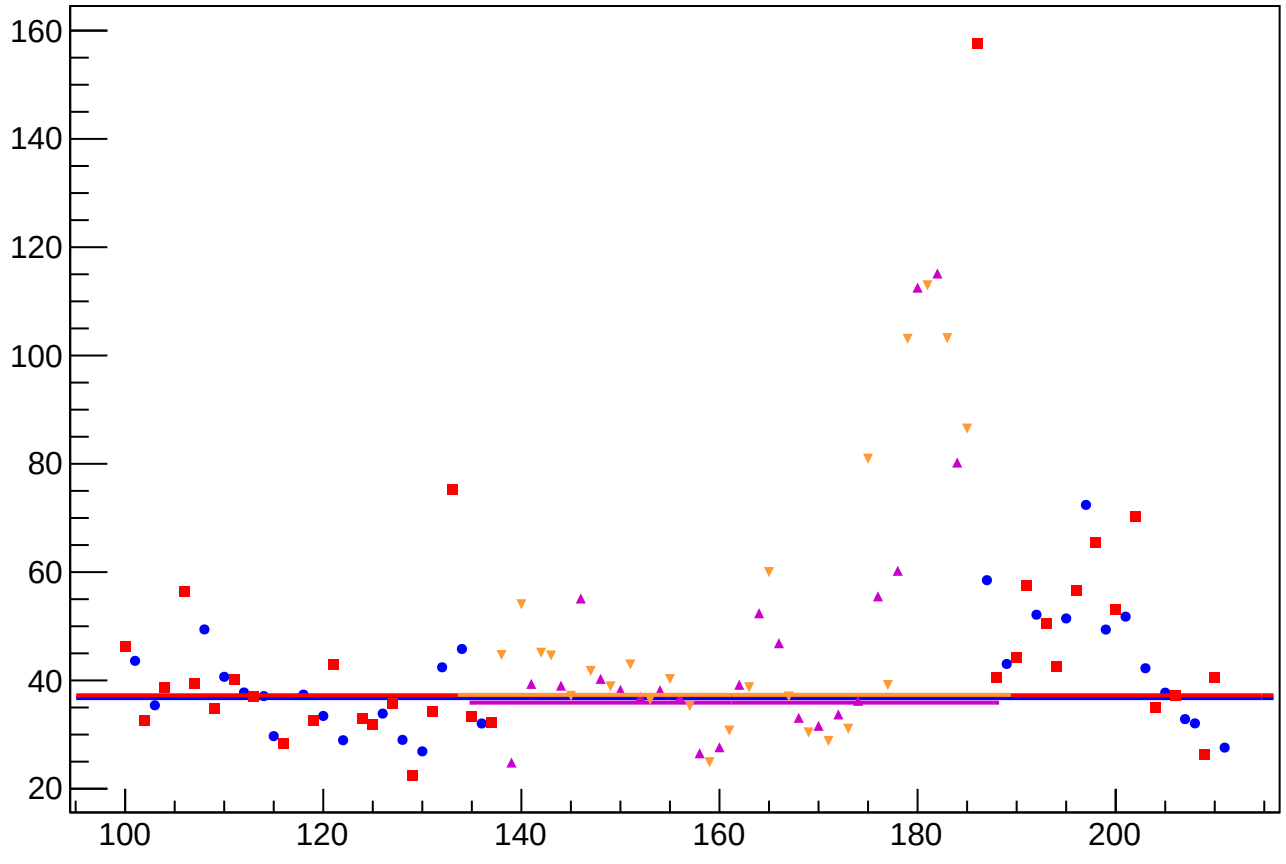
Right Out: -0.002+/-0.010 χ^2/NDF: 38.0/32

Left In: -0.003+/-0.009 χ^2/NDF:29.8/22

+ sign -0.003+/-0.007 χ^2/NDF: 63.4/52

All: -0.003+/-0.005 χ^2/NDF: 131.3/108

- sign -0.003+/-0.007 χ^2/NDF: 67.9/55



Right In: 36.733+/-0.007 χ^2/NDF: 1667792.7/27

Left Out: 37.344+/-0.007 χ^2/NDF:3696647.0/24

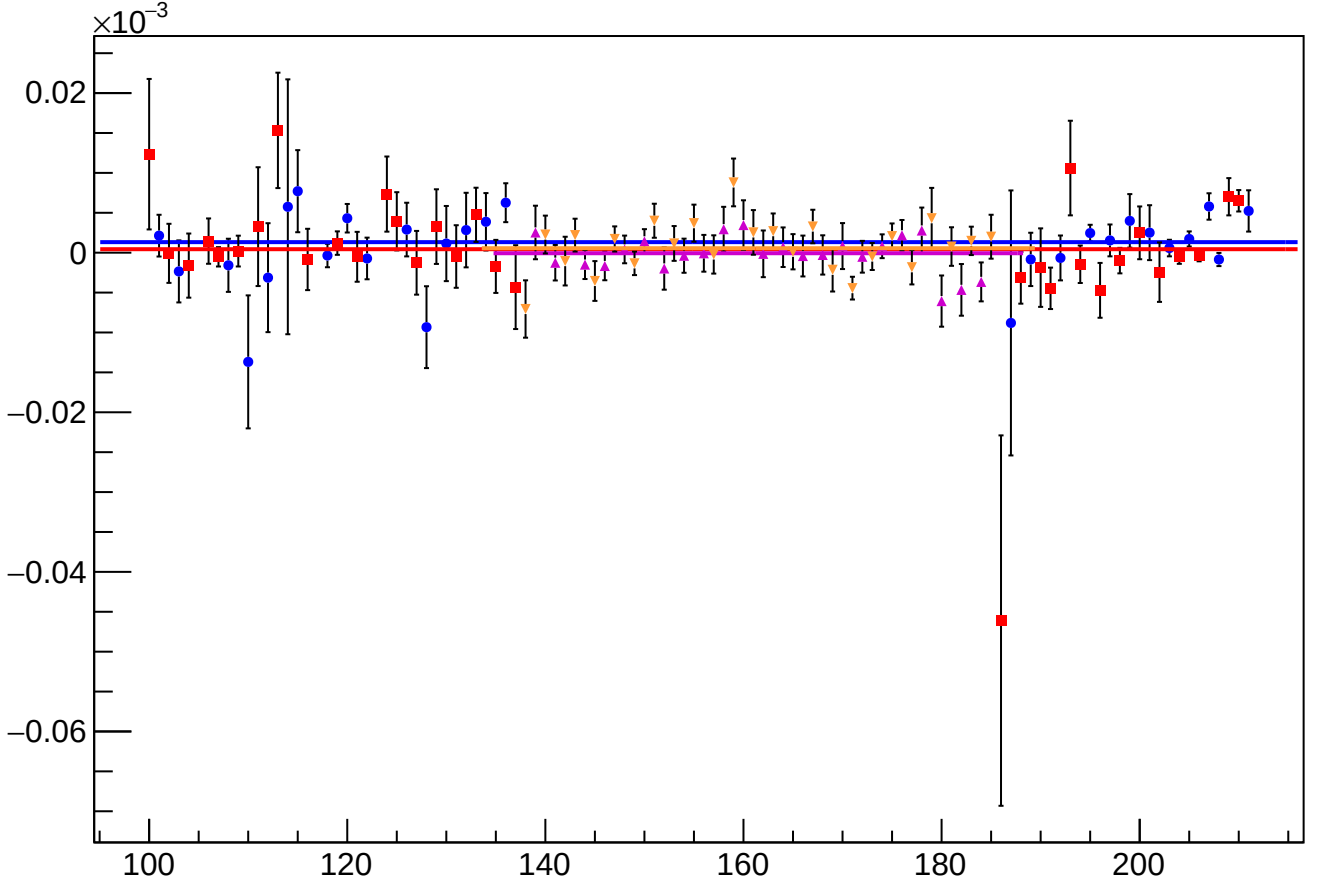
Right Out: 37.255+/-0.007 χ^2/NDF: 2611211.2/32

Left In: 35.896+/-0.006 χ^2/NDF:3138291.6/22

+ sign 37.049+/-0.005 χ^2/NDF: 5368641.1/52

All: 36.797+/-0.003 χ^2/NDF: 11145012.6/108

- sign 36.550+/-0.005 χ^2/NDF: 5770710.1/55



Right In: 0.000+/-0.000 χ^2/NDF: 41.4/27

Left Out: 0.000+/-0.000 χ^2/NDF:43.5/24

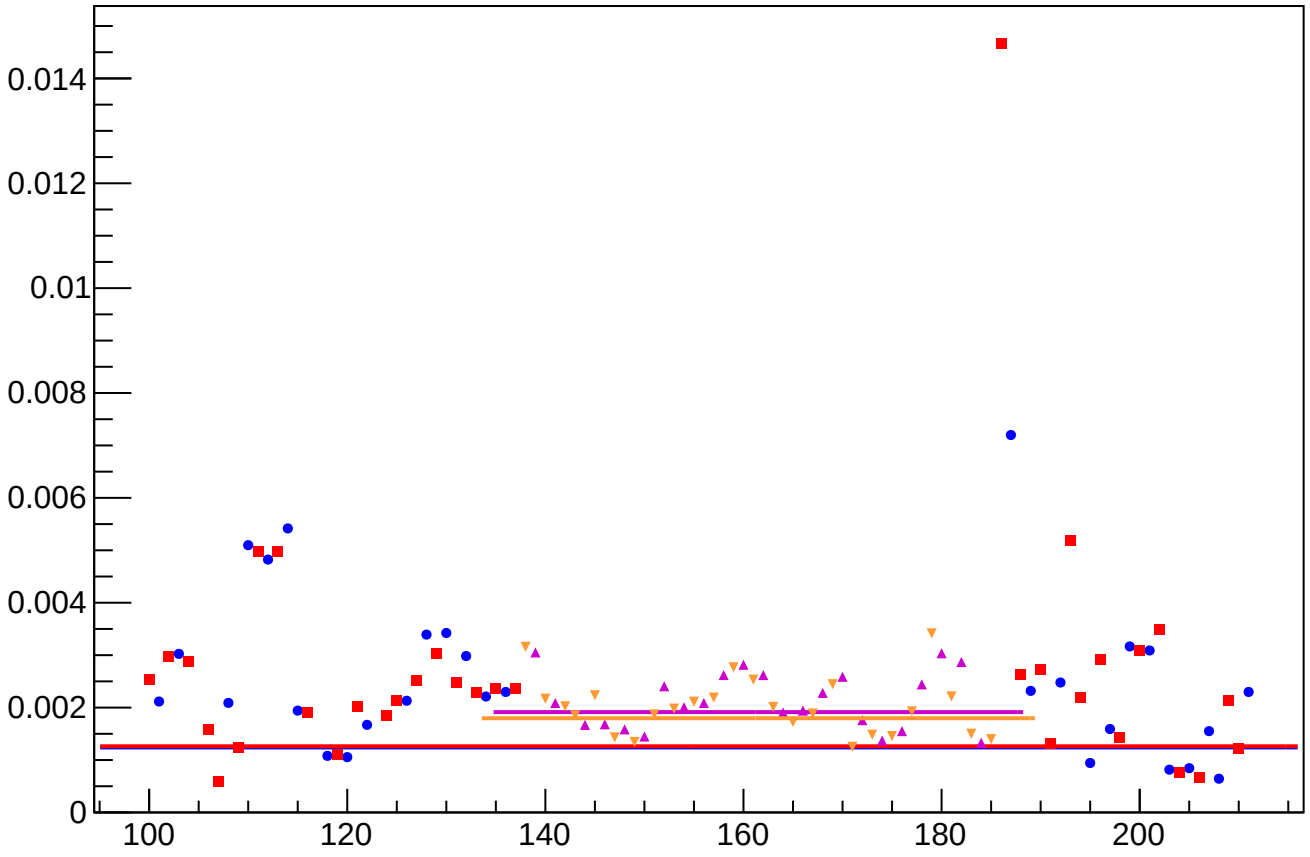
Right Out: 0.000+/-0.000 χ^2/NDF: 61.3/32

Left In: -0.000+/-0.000 χ^2/NDF:16.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 86.8/52

All: 0.000+/-0.000 χ^2/NDF: 169.3/108

- sign 0.000+/-0.000 χ^2/NDF: 79.0/55



Right In: 0.001+/-0.000 χ^2/NDF: 8196736.1/27

Left Out: 0.002+/-0.000 χ^2/NDF:2279340.7/24

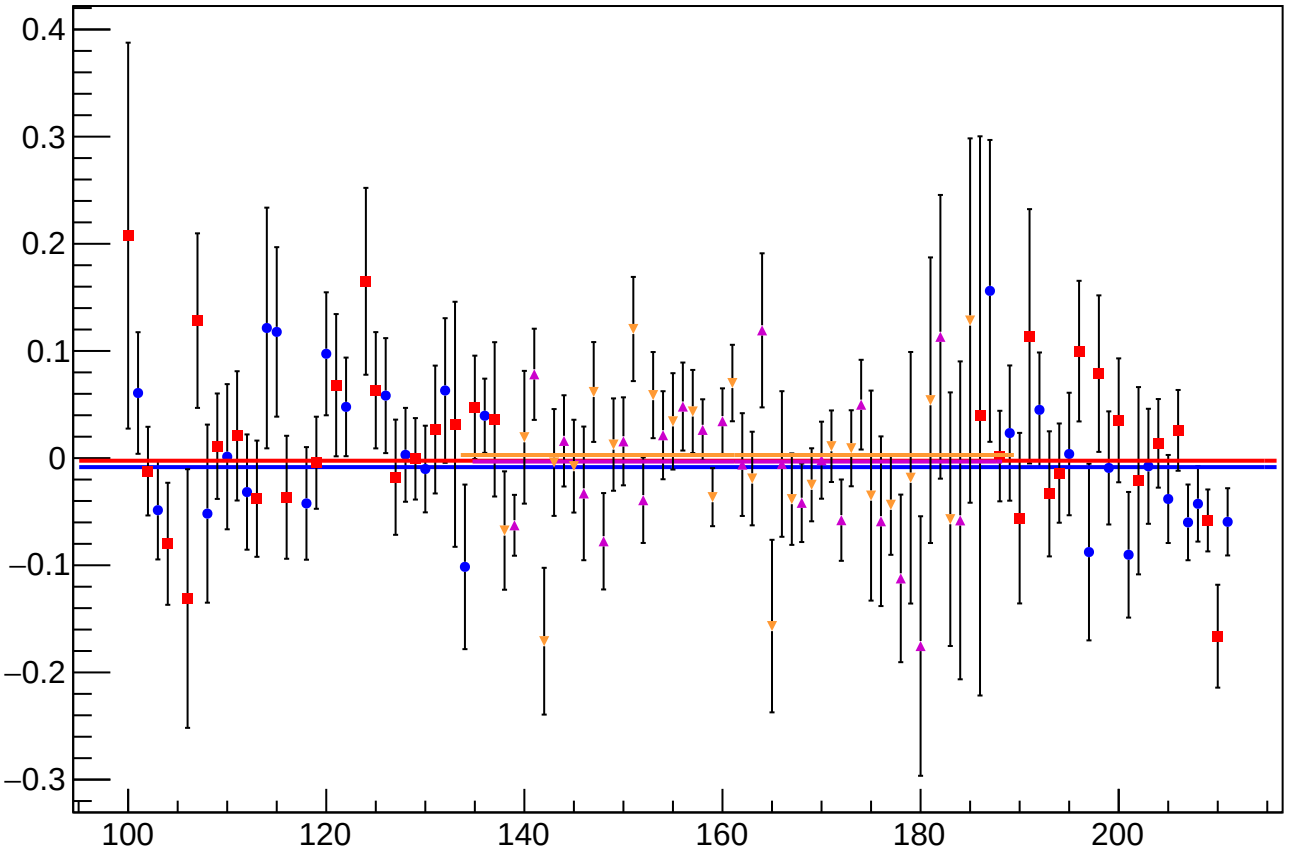
Right Out: 0.001+/-0.000 χ^2/NDF: 10398540.7/32

Left In: 0.002+/-0.000 χ^2/NDF:2171715.8/22

+ sign 0.001+/-0.000 χ^2/NDF: 12439141.9/52

All: 0.001+/-0.000 χ^2/NDF: 27441737.4/108

- sign 0.002+/-0.000 χ^2/NDF: 14989379.6/55



Right In: -0.008+/-0.010 χ^2/NDF: 29.8/27

Left Out: 0.003+/-0.009 χ^2/NDF:32.9/24

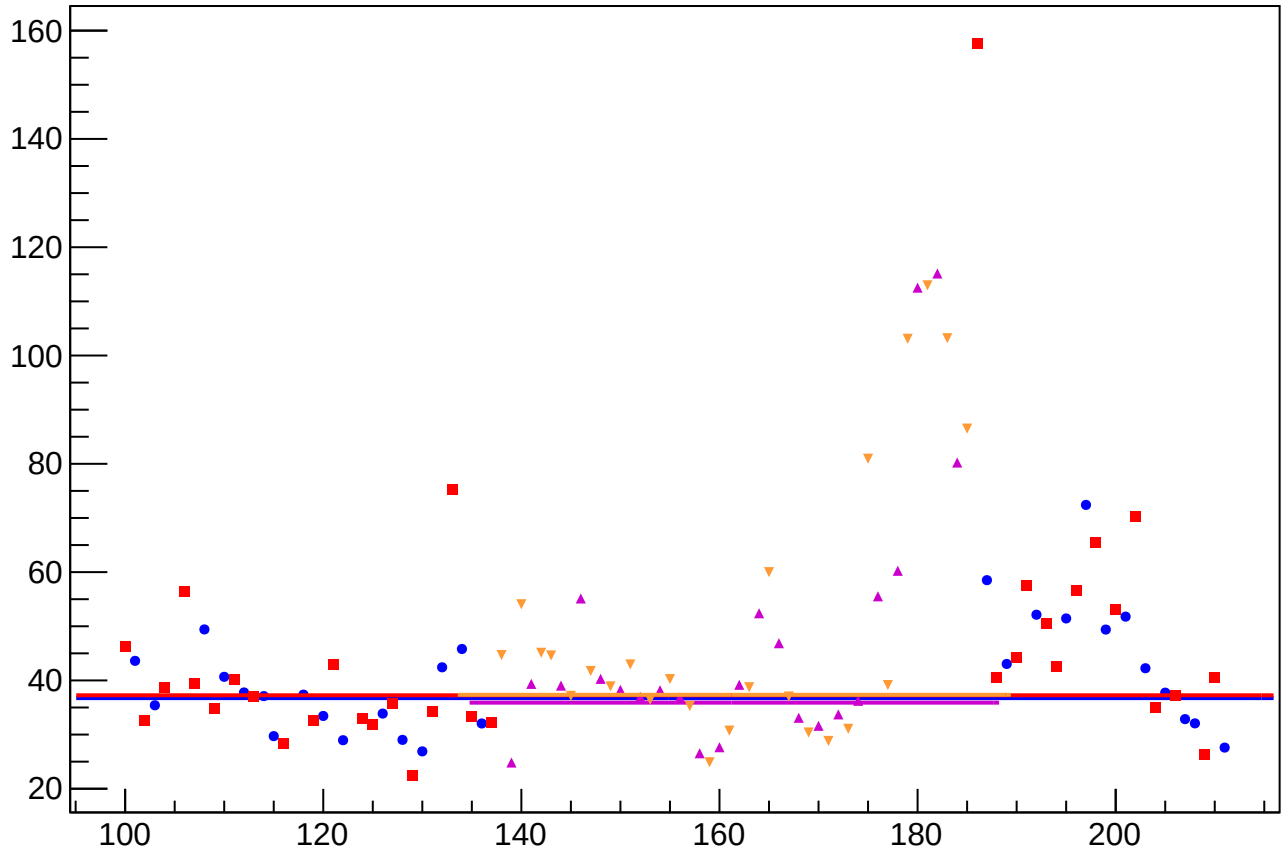
Right Out: -0.002+/-0.010 χ^2/NDF: 38.0/32

Left In: -0.003+/-0.009 χ^2/NDF:29.8/22

+ sign -0.003+/-0.007 χ^2/NDF: 63.4/52

All: -0.003+/-0.005 χ^2/NDF: 131.3/108

- sign -0.003+/-0.007 χ^2/NDF: 67.9/55



Right In: 36.733+/-0.007 χ^2/NDF: 1667827.5/27

Left Out: 37.344+/-0.007 χ^2/NDF:3696697.3/24

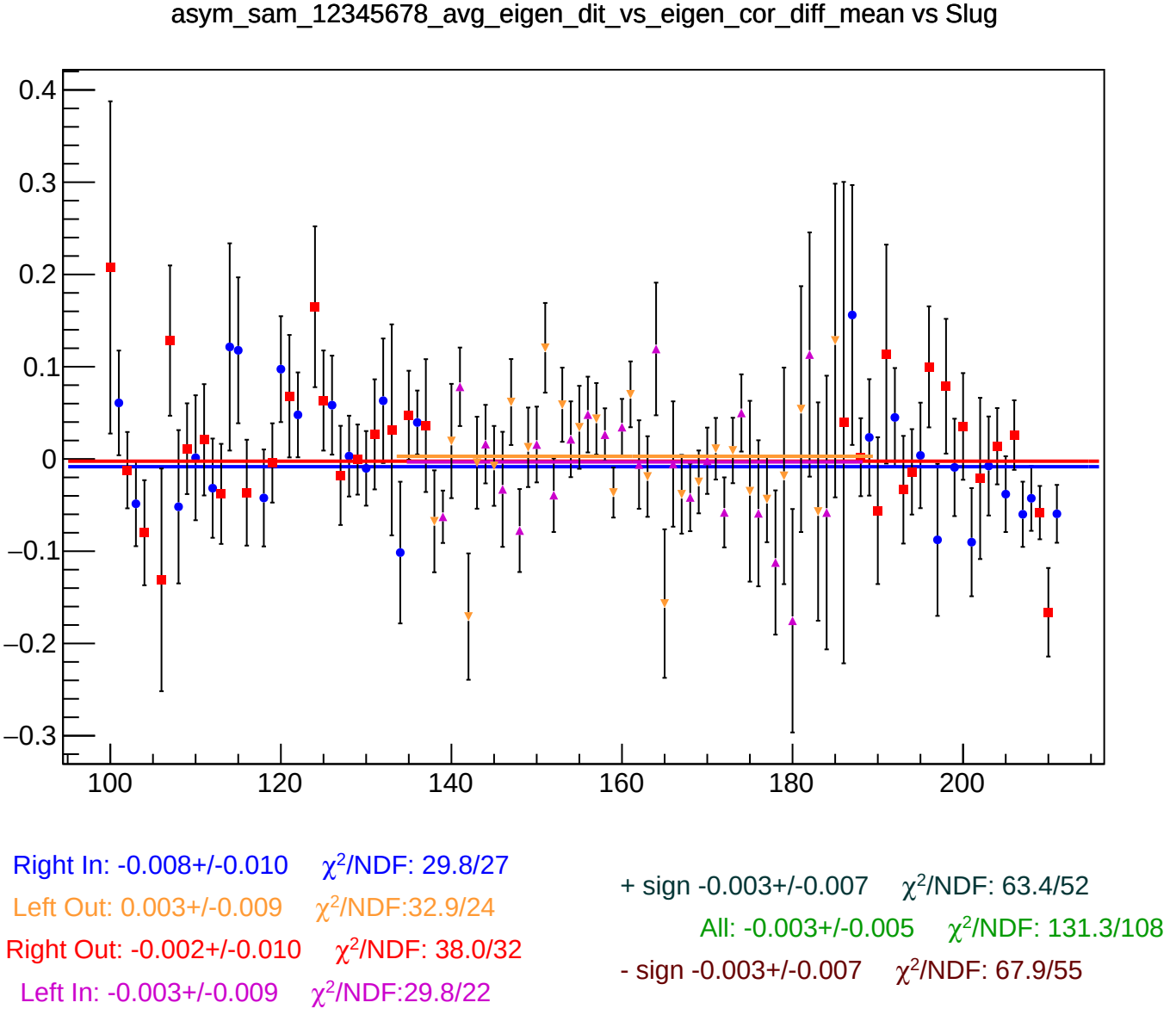
Right Out: 37.255+/-0.007 χ^2/NDF: 2611296.3/32

Left In: 35.896+/-0.006 χ^2/NDF:3138307.4/22

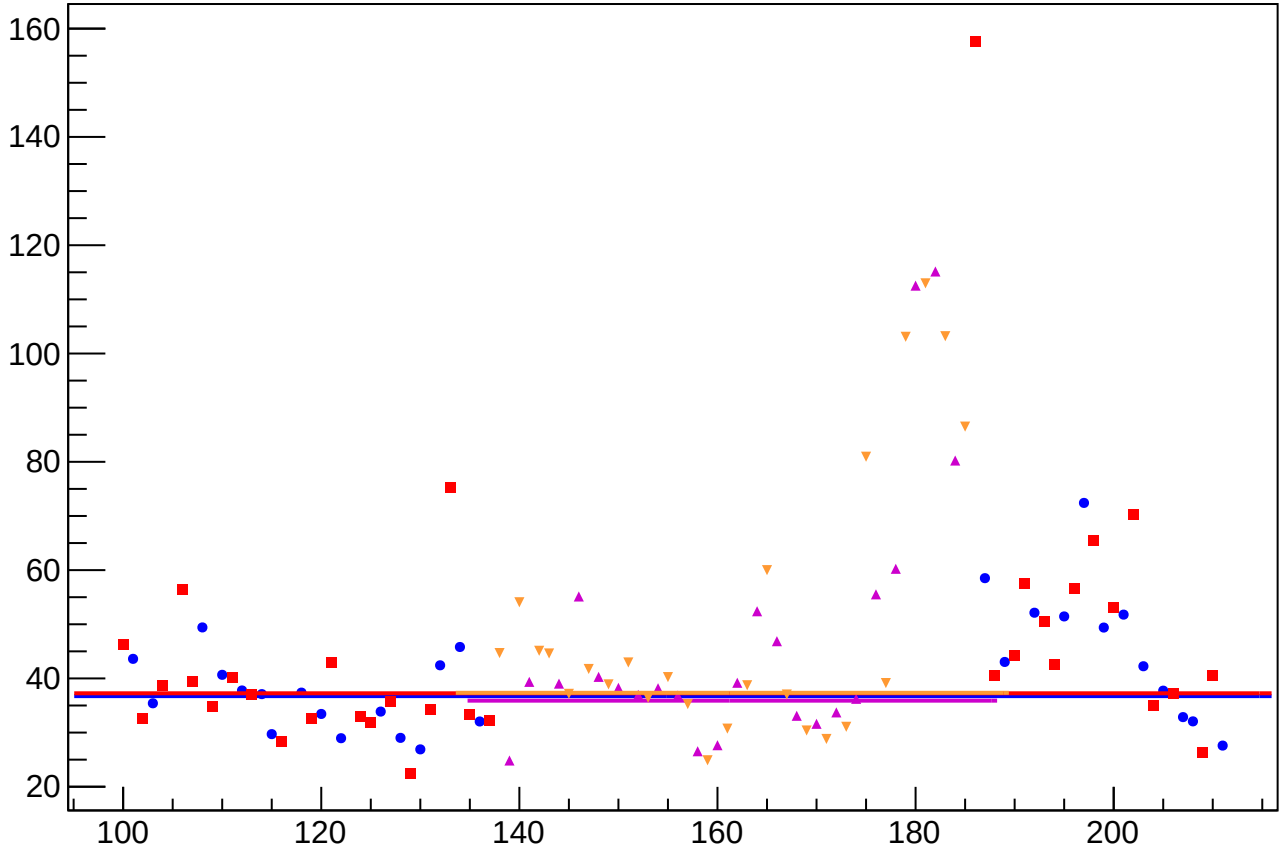
+ sign 37.049+/-0.005 χ^2/NDF: 5368734.0/52

All: 36.797+/-0.003 χ^2/NDF: 11145186.0/108

- sign 36.551+/-0.005 χ^2/NDF: 5770793.2/55


asym_sam_12345678_avg_eigen_dit_vs_eigen_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
Right In: -0.008+/-0.010 χ²/NDF: 29.8/27
Left Out: 0.003+/-0.009 χ²/NDF:32.9/24
Right Out: -0.002+/-0.010 χ²/NDF: 38.0/32
Left In: -0.003+/-0.009 χ²/NDF:29.8/22
+ sign -0.003+/-0.007 χ²/NDF: 63.4/52
All: -0.003+/-0.005 χ²/NDF: 131.3/108
- sign -0.003+/-0.007 χ²/NDF: 67.9/55

asym_sam_12345678_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 36.733+/-0.007 χ^2/NDF: 1667827.5/27

Left Out: 37.344+/-0.007 χ^2/NDF:3696697.3/24

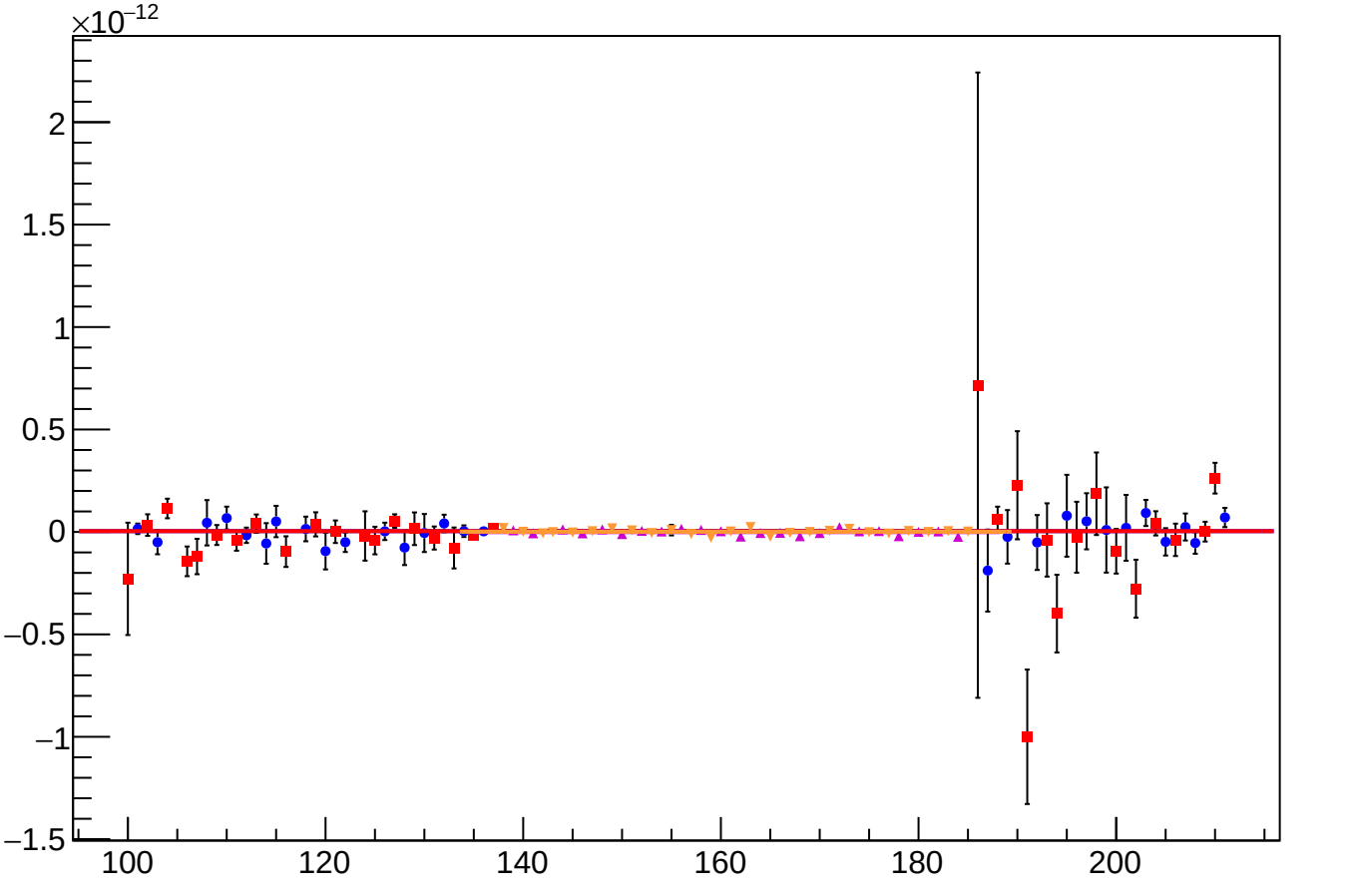
Right Out: 37.255+/-0.007 χ^2/NDF: 2611296.3/32

Left In: 35.896+/-0.006 χ^2/NDF:3138307.4/22

+ sign 37.049+/-0.005 χ^2/NDF: 5368734.0/52

All: 36.797+/-0.003 χ^2/NDF: 11145186.0/108

- sign 36.551+/-0.005 χ^2/NDF: 5770793.2/55



Right In: 0.000+/-0.000 χ^2/NDF: 15.0/27

Left Out: 0.000+/-0.000 χ^2/NDF:21.4/24

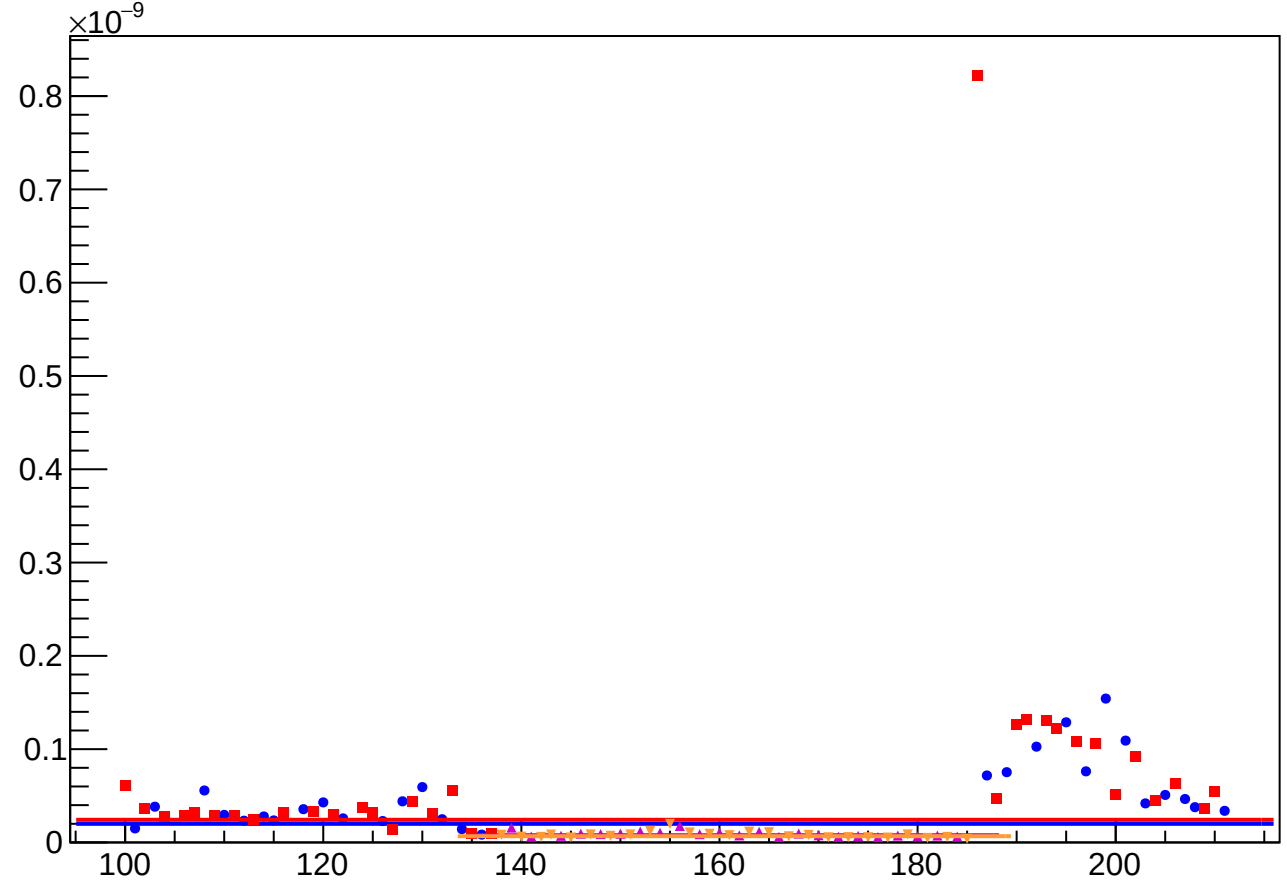
Right Out: 0.000+/-0.000 χ^2/NDF: 55.4/32

Left In: -0.000+/-0.000 χ^2/NDF:29.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 36.5/52

All: 0.000+/-0.000 χ^2/NDF: 121.7/108

- sign -0.000+/-0.000 χ^2/NDF: 84.9/55



Right In: 0.000+/-0.000 χ^2/NDF: 8275923.5/27

Left Out: 0.000+/-0.000 χ^2/NDF:2192403.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8057369.2/32

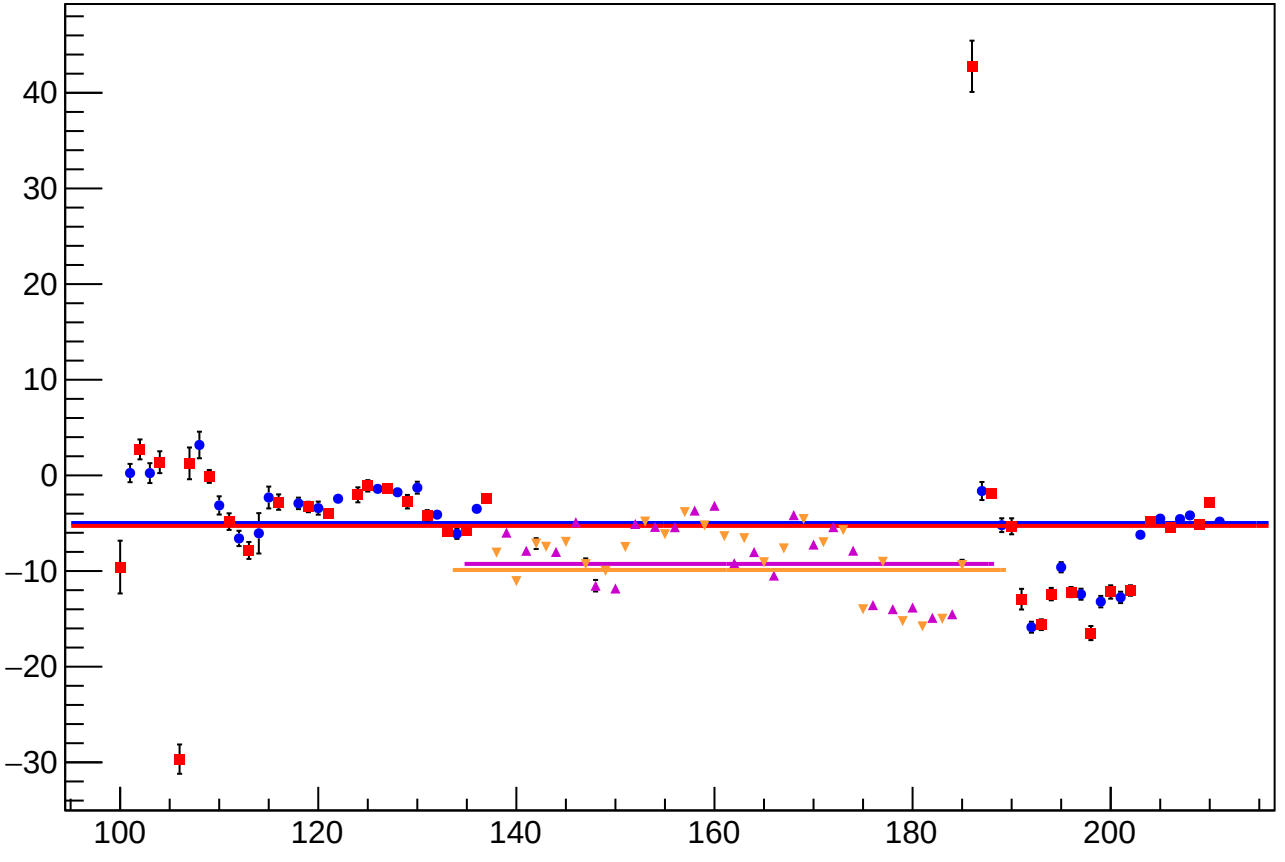
Left In: 0.000+/-0.000 χ^2/NDF:1582294.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 15429546.8/52

All: 0.000+/-0.000 χ^2/NDF: 31173563.1/108

- sign 0.000+/-0.000 χ^2/NDF: 15404890.6/55

reg_asym_sam1_diff_bpm1X_slope vs Slug



Right In: -4.980+/-0.096 χ^2/NDF: 1325.1/27

Left Out: -9.886+/-0.070 χ^2/NDF:3206.9/24

Right Out: -5.281+/-0.095 χ^2/NDF: 2295.2/32

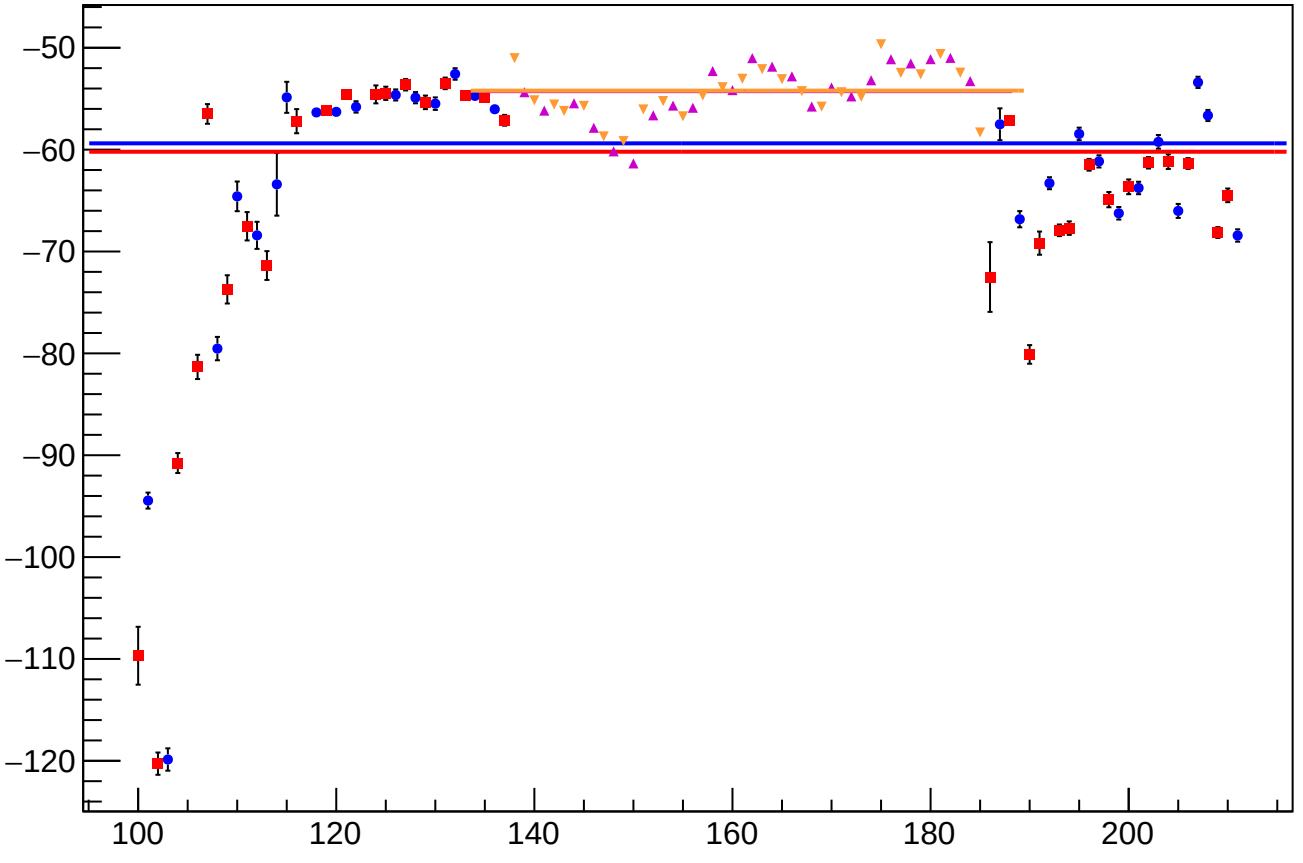
Left In: -9.255+/-0.072 χ^2/NDF:3067.6/22

+ sign -8.189+/-0.056 χ^2/NDF: 6254.2/52

All: -8.007+/-0.040 χ^2/NDF: 12750.2/108

- sign -7.819+/-0.057 χ^2/NDF: 6474.8/55

reg_asym_sam1_diff_bpm4aY_slope vs Slug



Right In: -59.382+/-0.109 χ^2/NDF: 6978.6/27

Left Out: -54.206+/-0.056 χ^2/NDF:1857.6/24

Right Out: -60.206+/-0.108 χ^2/NDF: 7335.6/32

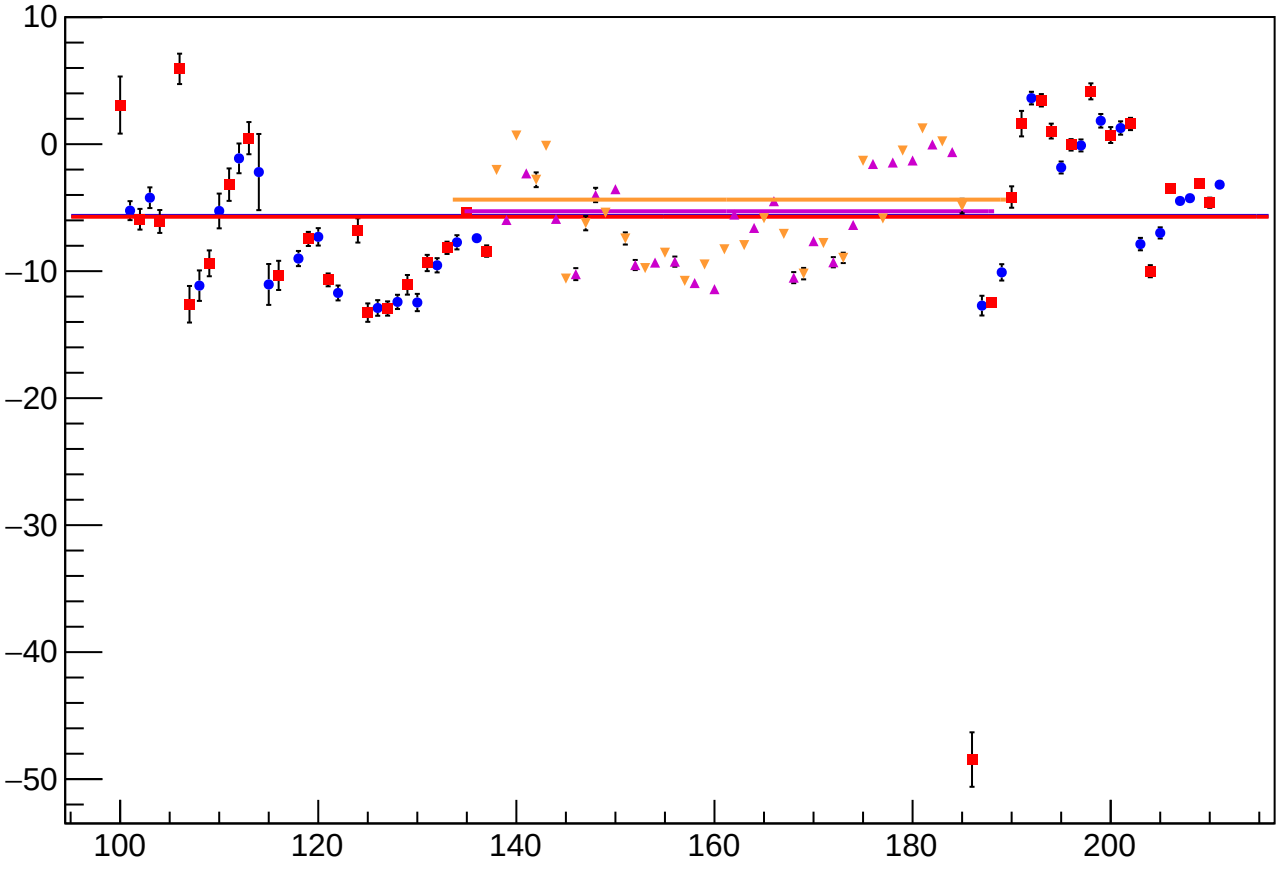
Left In: -54.257+/-0.058 χ^2/NDF:2489.9/22

+ sign -55.277+/-0.050 χ^2/NDF: 10613.7/52

All: -55.429+/-0.036 χ^2/NDF: 22790.9/108

- sign -55.591+/-0.051 χ^2/NDF: 12157.9/55

reg_asym_sam1_diff_bpm4eX_slope vs Slug



Right In: -5.649+/-0.096 χ^2/NDF: 1871.2/27

Left Out: -4.366+/-0.069 χ^2/NDF:3701.4/24

Right Out: -5.713+/-0.094 χ^2/NDF: 3267.7/32

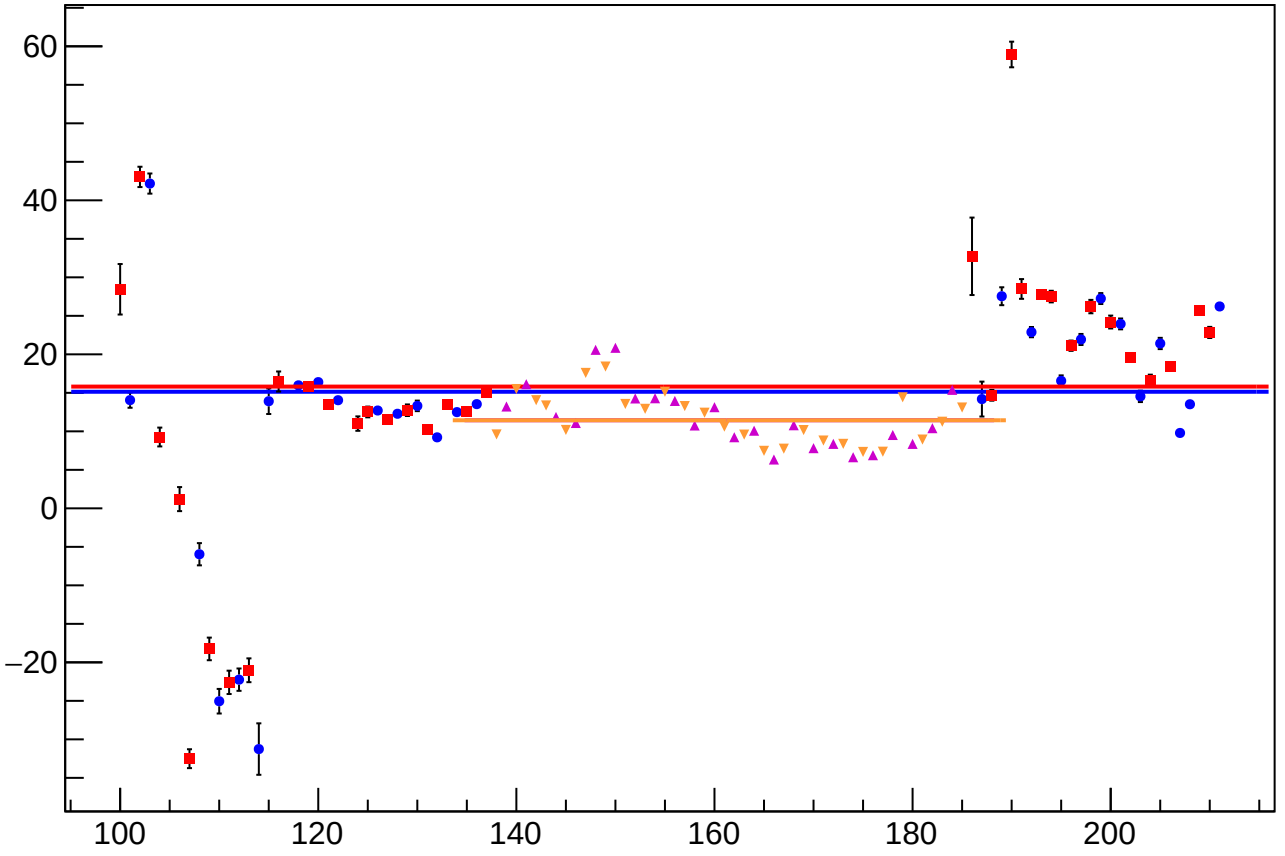
Left In: -5.283+/-0.071 χ^2/NDF:2750.2/22

+ sign -4.807+/-0.056 χ^2/NDF: 5690.4/52

All: -5.119+/-0.040 χ^2/NDF: 11784.3/108

- sign -5.439+/-0.057 χ^2/NDF: 6031.1/55

reg_asym_sam1_diff_bpm4eY_slope vs Slug



Right In: 15.140+/-0.122 χ^2/NDF: 3605.2/27

Left Out: 11.438+/-0.062 χ^2/NDF:2435.7/24

Right Out: 15.811+/-0.123 χ^2/NDF: 6328.9/32

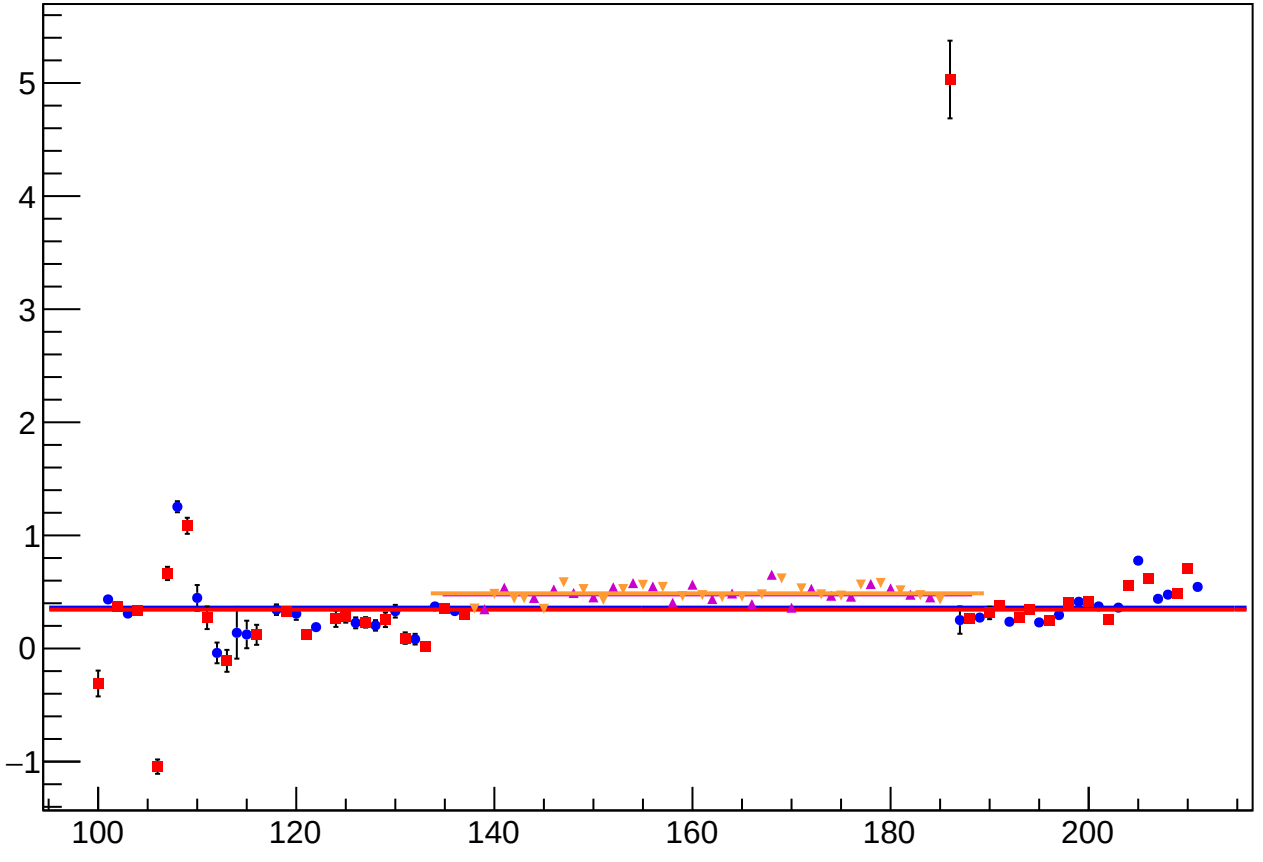
Left In: 11.441+/-0.064 χ^2/NDF:3358.4/22

+ sign 12.198+/-0.055 χ^2/NDF: 6773.4/52

All: 12.284+/-0.040 χ^2/NDF: 17456.2/108

- sign 12.375+/-0.057 χ^2/NDF: 10677.8/55

reg_asym_sam1_diff_bpm12X_slope vs Slug



Right In: 0.361+/-0.005 χ^2/NDF: 761.1/27

Left Out: 0.488+/-0.003 χ^2/NDF:539.4/24

Right Out: 0.344+/-0.005 χ^2/NDF: 1451.5/32

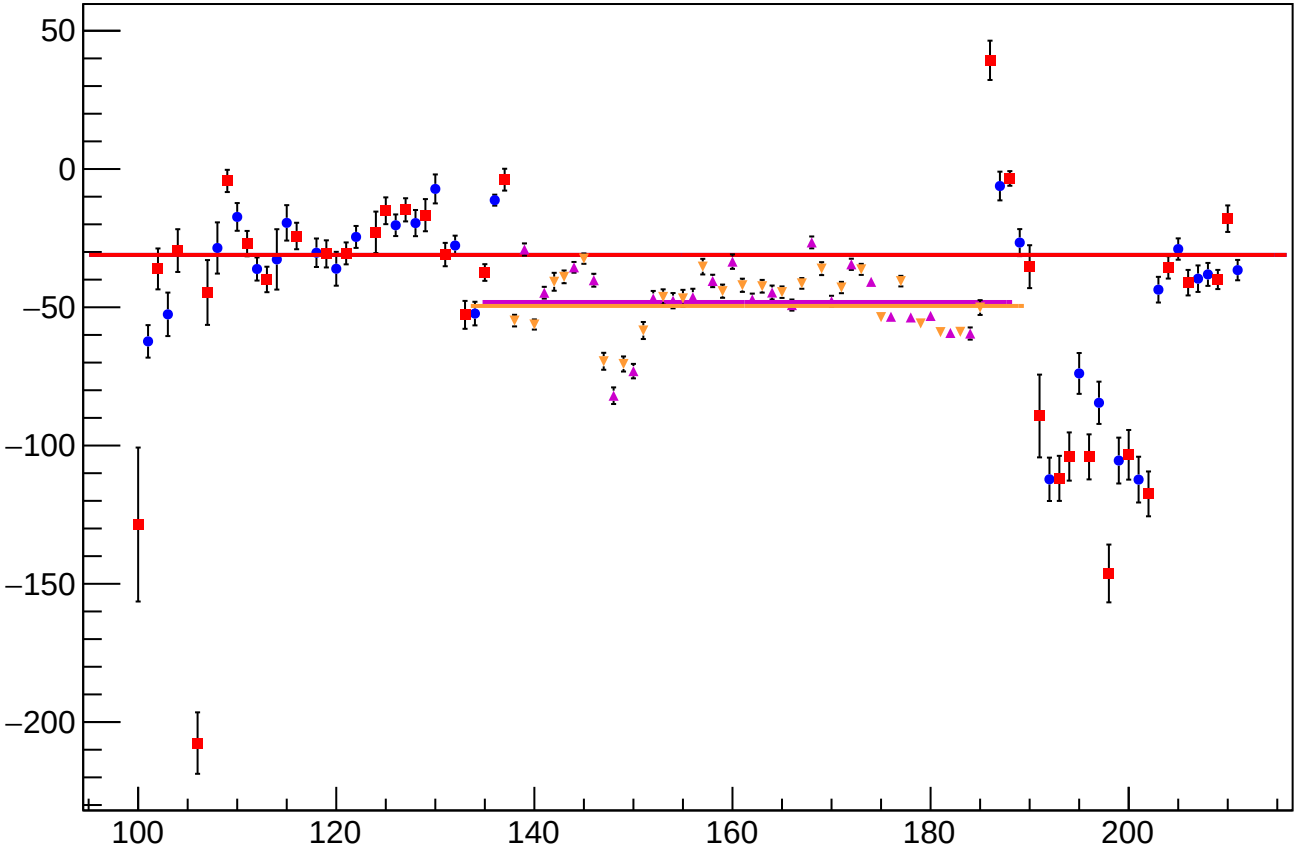
Left In: 0.478+/-0.003 χ^2/NDF:798.2/22

+ sign 0.461+/-0.002 χ^2/NDF: 1747.8/52

All: 0.456+/-0.002 χ^2/NDF: 4503.7/108

- sign 0.450+/-0.002 χ^2/NDF: 2745.8/55

reg_asym_sam2_diff_bpm1X_slope vs Slug



Right In: -31.060+/-0.878 χ^2/NDF: 617.0/27

Left Out: -49.516+/-0.402 χ^2/NDF:576.3/24

Right Out: -31.059+/-0.887 χ^2/NDF: 1212.7/32

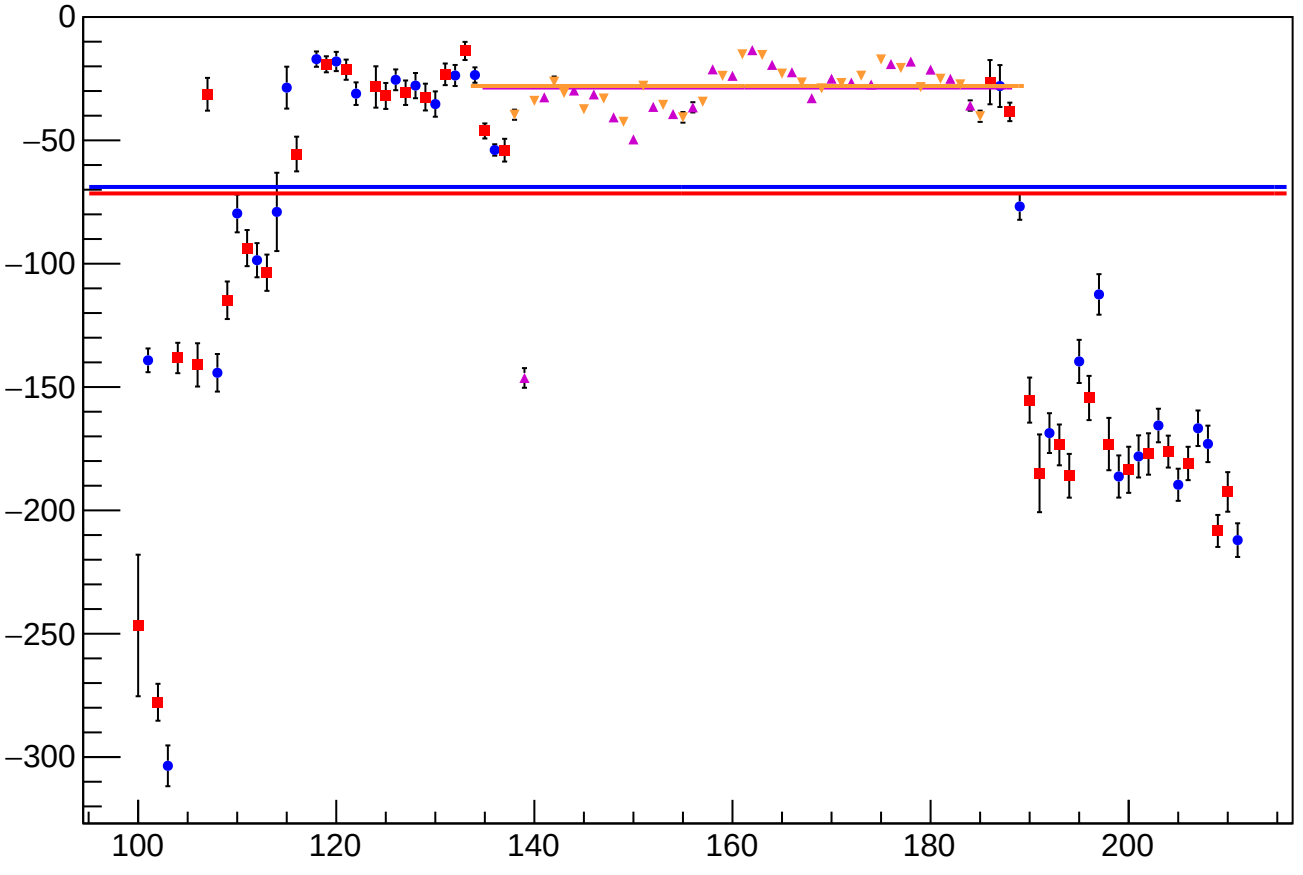
Left In: -48.087+/-0.418 χ^2/NDF:706.2/22

+ sign -46.315+/-0.366 χ^2/NDF: 1558.2/52

All: -45.672+/-0.263 χ^2/NDF: 3785.2/108

- sign -44.984+/-0.378 χ^2/NDF: 2220.6/55

reg_asym_sam2_diff_bpm4aY_slope vs Slug



Right In: -68.895+/-0.977 χ^2/NDF: 4247.1/27

Left Out: -27.957+/-0.321 χ^2/NDF:497.7/24

Right Out: -71.518+/-1.013 χ^2/NDF: 4375.1/32

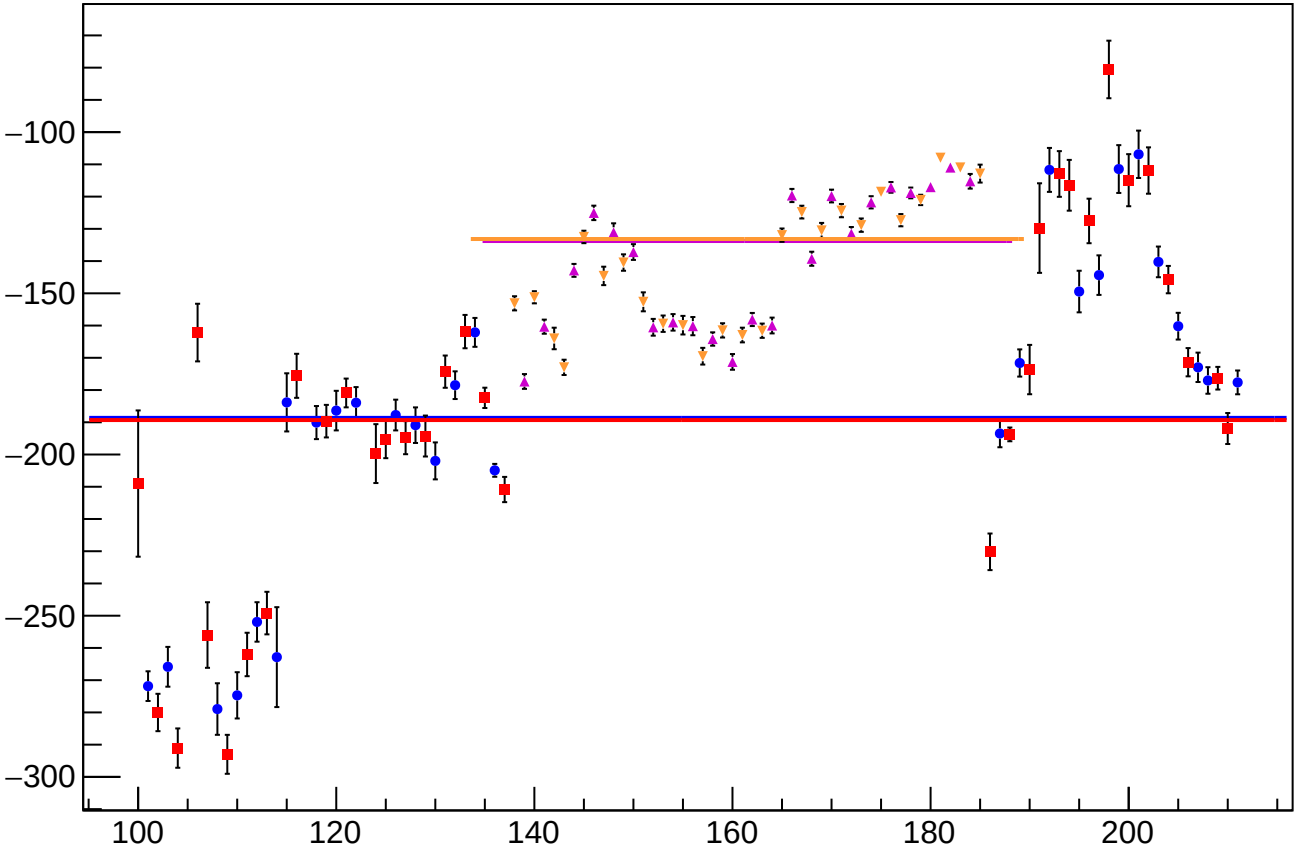
Left In: -28.592+/-0.334 χ^2/NDF:1480.6/22

\+ sign -31.950+/-0.305 χ^2/NDF: 6329.9/52

All: -32.355+/-0.220 χ^2/NDF: 13809.0/108

\- sign -32.792+/-0.317 χ^2/NDF: 7475.4/55

reg_asym_sam2_diff_bpm4eX_slope vs Slug



Right In: -188.635+/-0.904 χ^2/NDF: 1643.5/27

Left Out: -133.155+/-0.403 χ^2/NDF:2530.7/24

Right Out: -189.311+/-0.905 χ^2/NDF: 1998.9/32

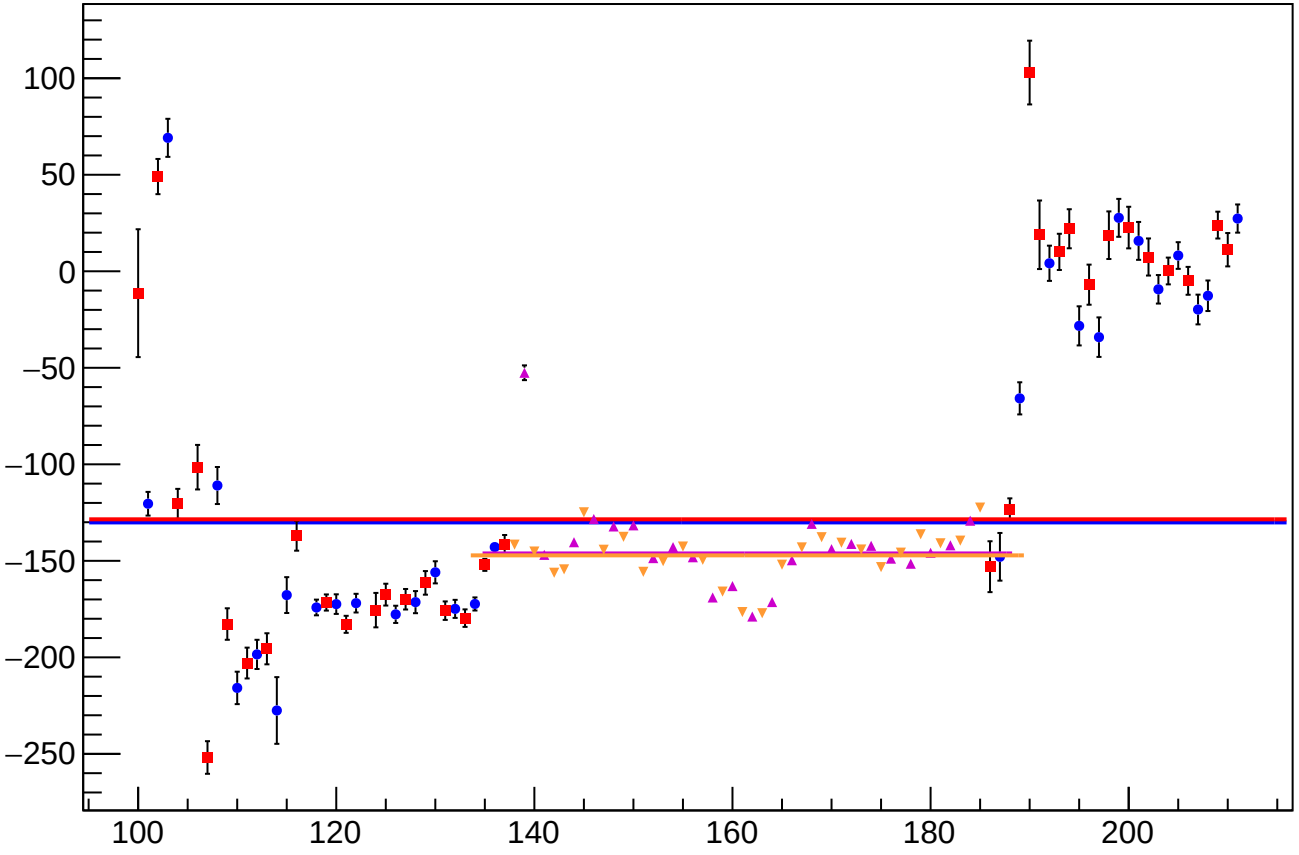
Left In: -133.777+/-0.417 χ^2/NDF:2440.7/22

+ sign -142.346+/-0.368 χ^2/NDF: 7315.1/52

All: -142.906+/-0.264 χ^2/NDF: 14864.8/108

- sign -143.500+/-0.379 χ^2/NDF: 7544.9/55

reg_asym_sam2_diff_bpm4eY_slope vs Slug



Right In: -130.098+/-1.098 χ^2/NDF: 3877.4/27

Left Out: -147.167+/-0.358 χ^2/NDF:1245.6/24

Right Out: -128.490+/-1.158 χ^2/NDF: 4290.7/32

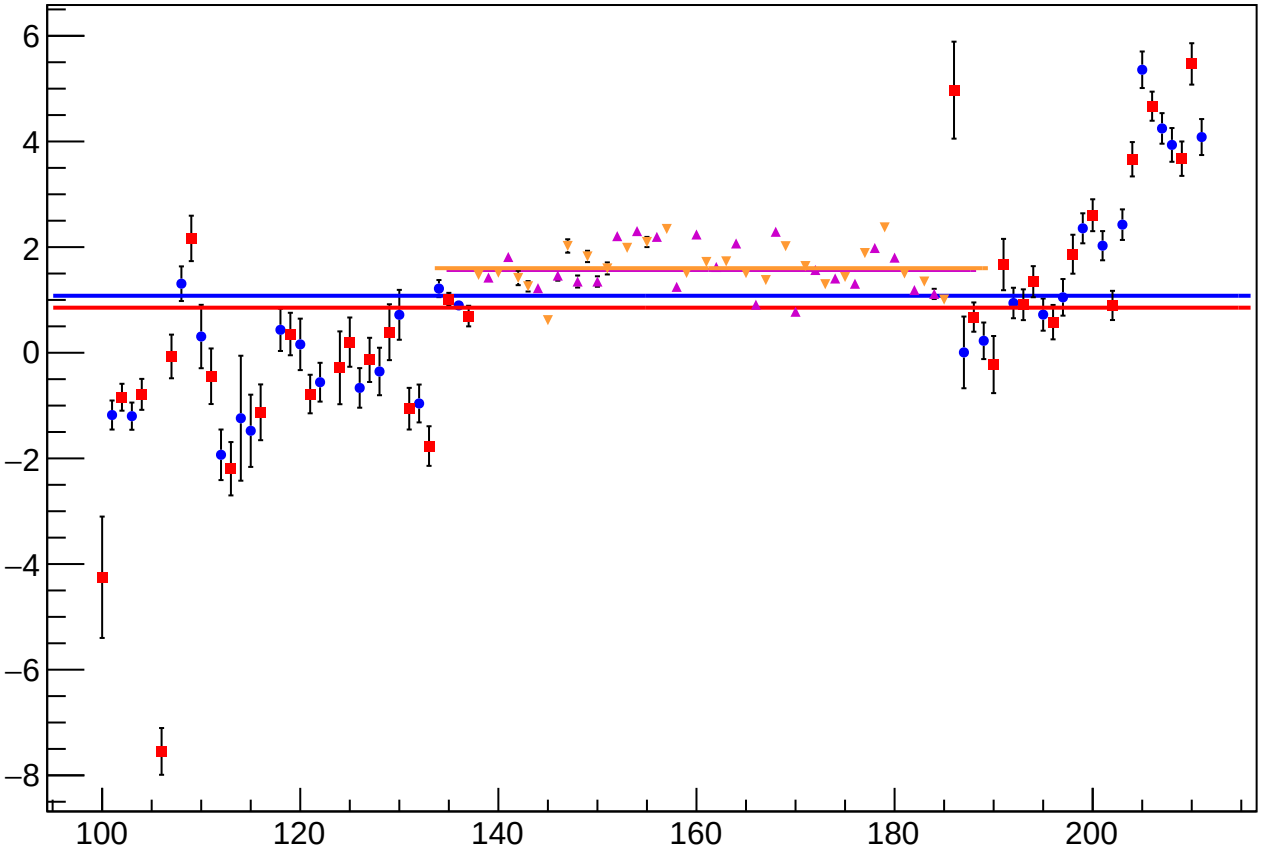
Left In: -146.173+/-0.371 χ^2/NDF:1793.8/22

+ sign -145.525+/-0.340 χ^2/NDF: 5341.5/52

All: -145.046+/-0.245 χ^2/NDF: 11641.6/108

- sign -144.531+/-0.353 χ^2/NDF: 6296.0/55

reg_asym_sam2_diff_bpm12X_slope vs Slug



Right In: 1.079+/-0.053 χ^2/NDF: 794.8/27

Left Out: 1.601+/-0.016 χ^2/NDF:581.8/24

Right Out: 0.853+/-0.056 χ^2/NDF: 1185.9/32

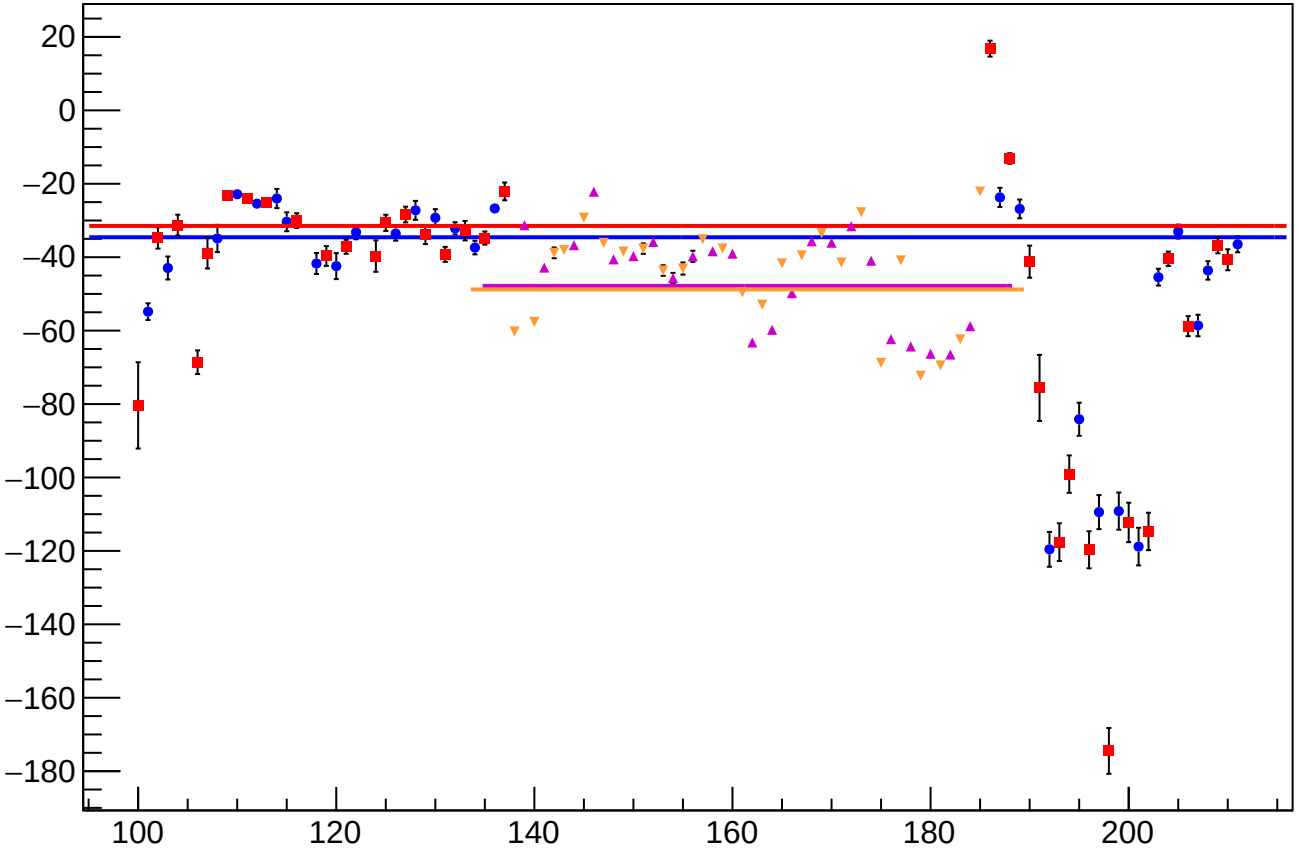
Left In: 1.567+/-0.016 χ^2/NDF:735.2/22

\+ sign 1.558+/-0.015 χ^2/NDF: 1465.4/52

All: 1.535+/-0.011 χ^2/NDF: 3539.2/108

\- sign 1.512+/-0.016 χ^2/NDF: 2069.4/55

reg_asym_sam3_diff_bpm1X_slope vs Slug



Right In: -34.569+/-0.407 χ^2/NDF: 1655.9/27

Left Out: -48.783+/-0.167 χ^2/NDF:8953.8/24

Right Out: -31.482+/-0.388 χ^2/NDF: 2953.2/32

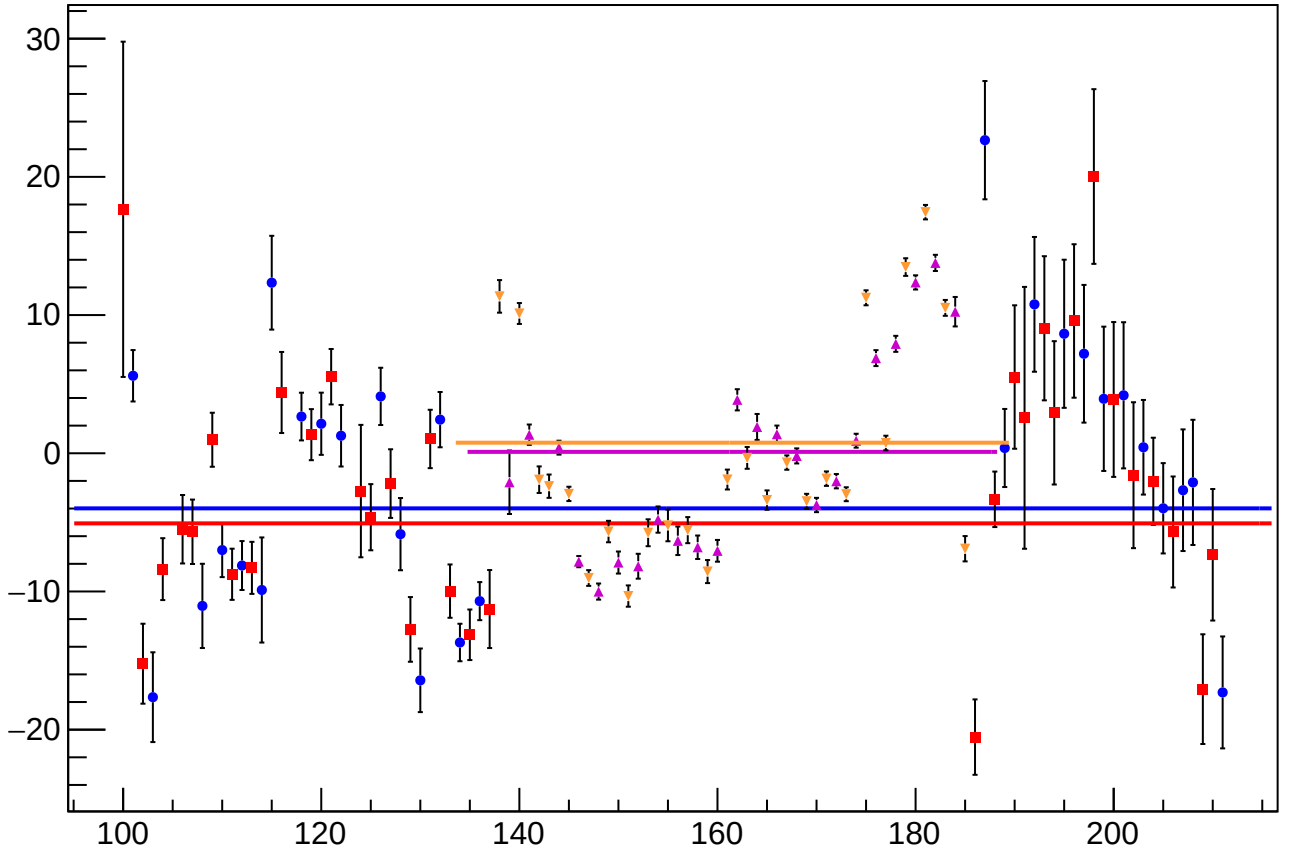
Left In: -47.822+/-0.170 χ^2/NDF:7223.0/22

+ sign -46.739+/-0.154 χ^2/NDF: 11654.2/52

All: -45.972+/-0.110 χ^2/NDF: 23368.3/108

- sign -45.191+/-0.156 χ^2/NDF: 11664.3/55

reg_asym_sam3_diff_bpm4aY_slope vs Slug



Right In: -3.987+/-0.468 χ^2/NDF: 319.5/27

Left Out: 0.765+/-0.132 χ^2/NDF:3467.2/24

Right Out: -5.072+/-0.469 χ^2/NDF: 220.0/32

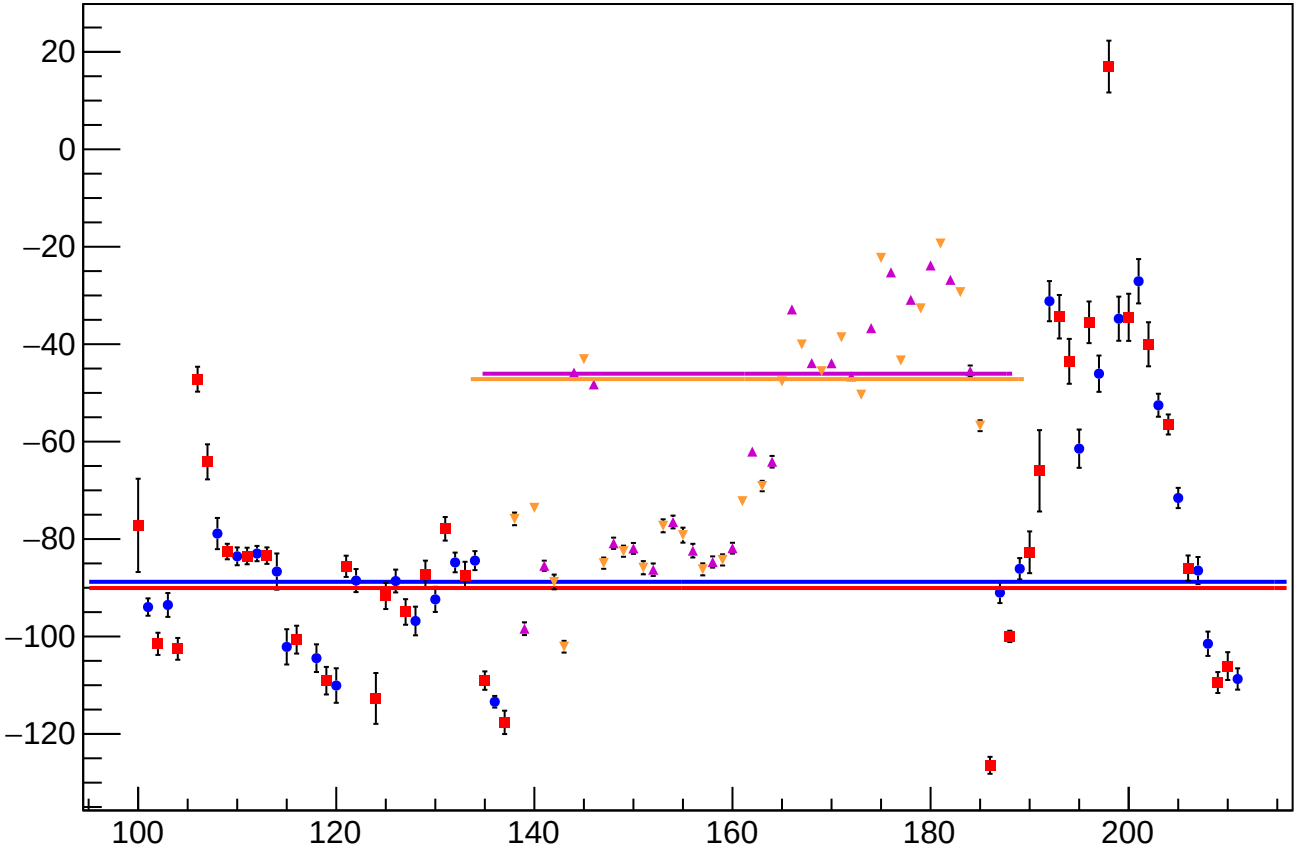
Left In: 0.102+/-0.133 χ^2/NDF:2721.8/22

+ sign 0.414+/-0.127 χ^2/NDF: 3882.1/52

All: 0.067+/-0.090 χ^2/NDF: 6951.5/108

- sign -0.283+/-0.128 χ^2/NDF: 3054.5/55

reg_asym_sam3_diff_bpm4eX_slope vs Slug



Right In: -88.774+/-0.443 χ^2/NDF: 1683.5/27

Left Out: -47.167+/-0.168 χ^2/NDF:17658.5/24

Right Out: -90.053+/-0.425 χ^2/NDF: 2772.6/32

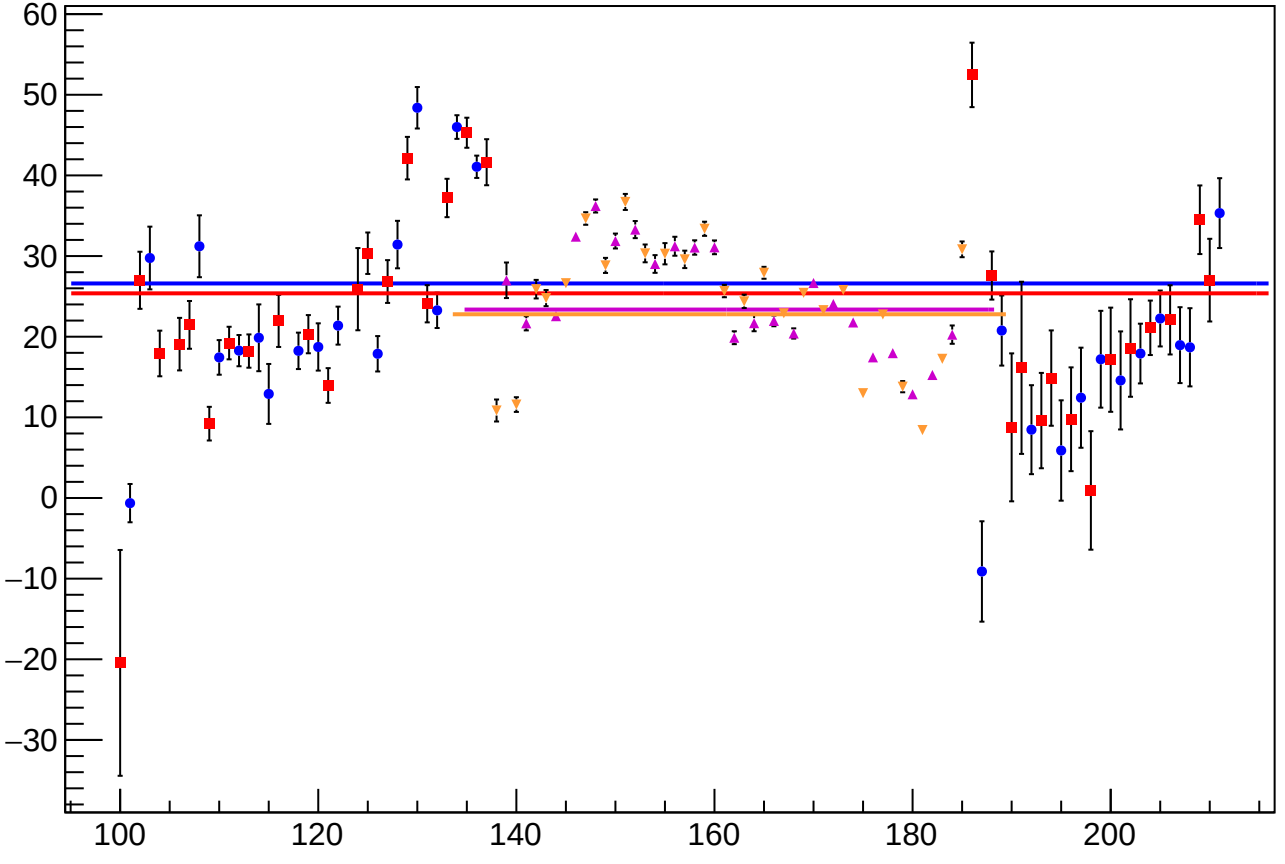
Left In: -46.058+/-0.170 χ^2/NDF:14769.8/22

+ sign -52.373+/-0.157 χ^2/NDF: 27057.6/52

All: -52.256+/-0.111 χ^2/NDF: 53839.3/108

- sign -52.138+/-0.158 χ^2/NDF: 26780.5/55

reg_asym_sam3_diff_bpm4eY_slope vs Slug



Right In: 26.602+/-0.527 χ^2/NDF: 674.4/27

Left Out: 22.782+/-0.147 χ^2/NDF:2412.9/24

Right Out: 25.377+/-0.538 χ^2/NDF: 442.2/32

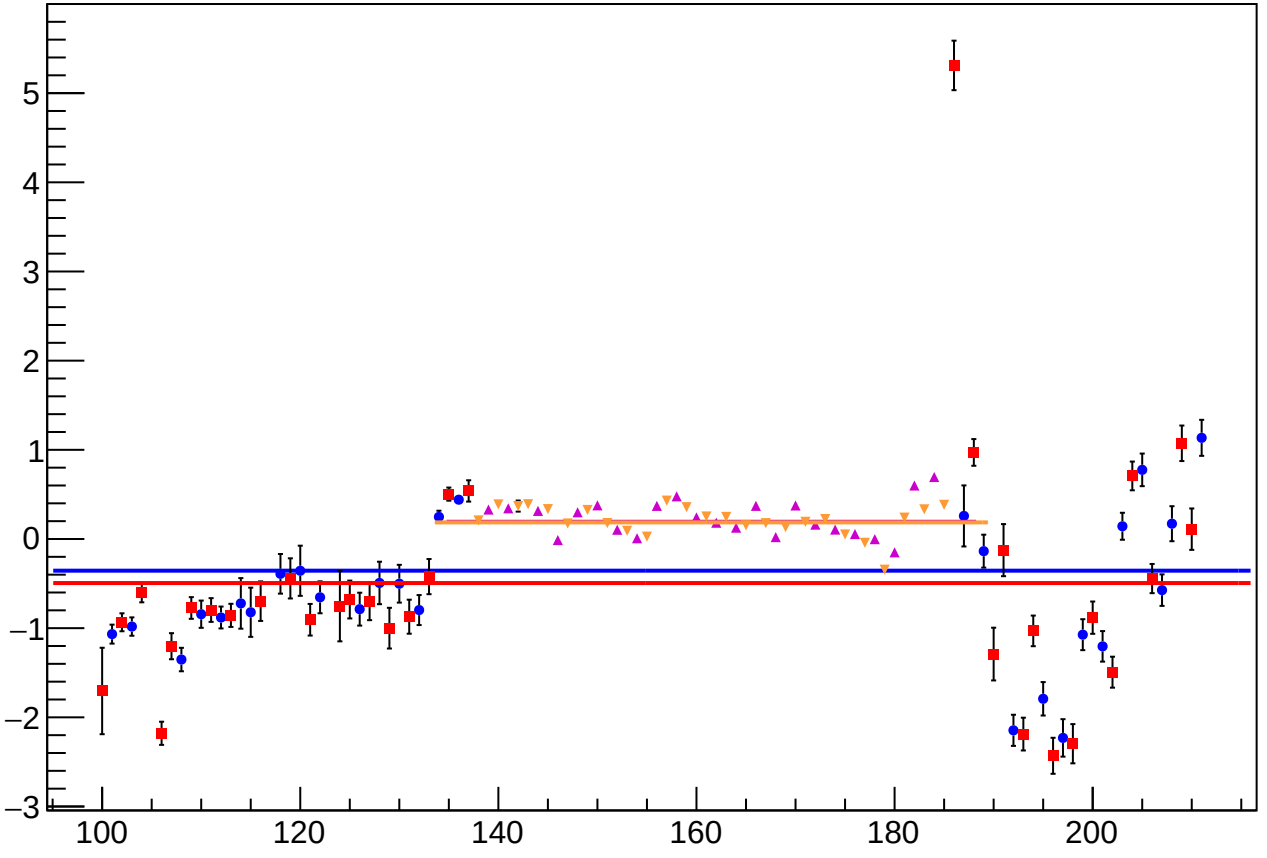
Left In: 23.366+/-0.149 χ^2/NDF:1785.4/22

+ sign 23.059+/-0.142 χ^2/NDF: 3136.1/52

All: 23.281+/-0.101 χ^2/NDF: 5381.6/108

- sign 23.508+/-0.143 χ^2/NDF: 2240.5/55

reg_asym_sam3_diff_bpm12X_slope vs Slug



Right In: -0.355+/-0.027 χ^2/NDF: 864.4/27

Left Out: 0.186+/-0.007 χ^2/NDF:645.7/24

Right Out: -0.494+/-0.028 χ^2/NDF: 1469.6/32

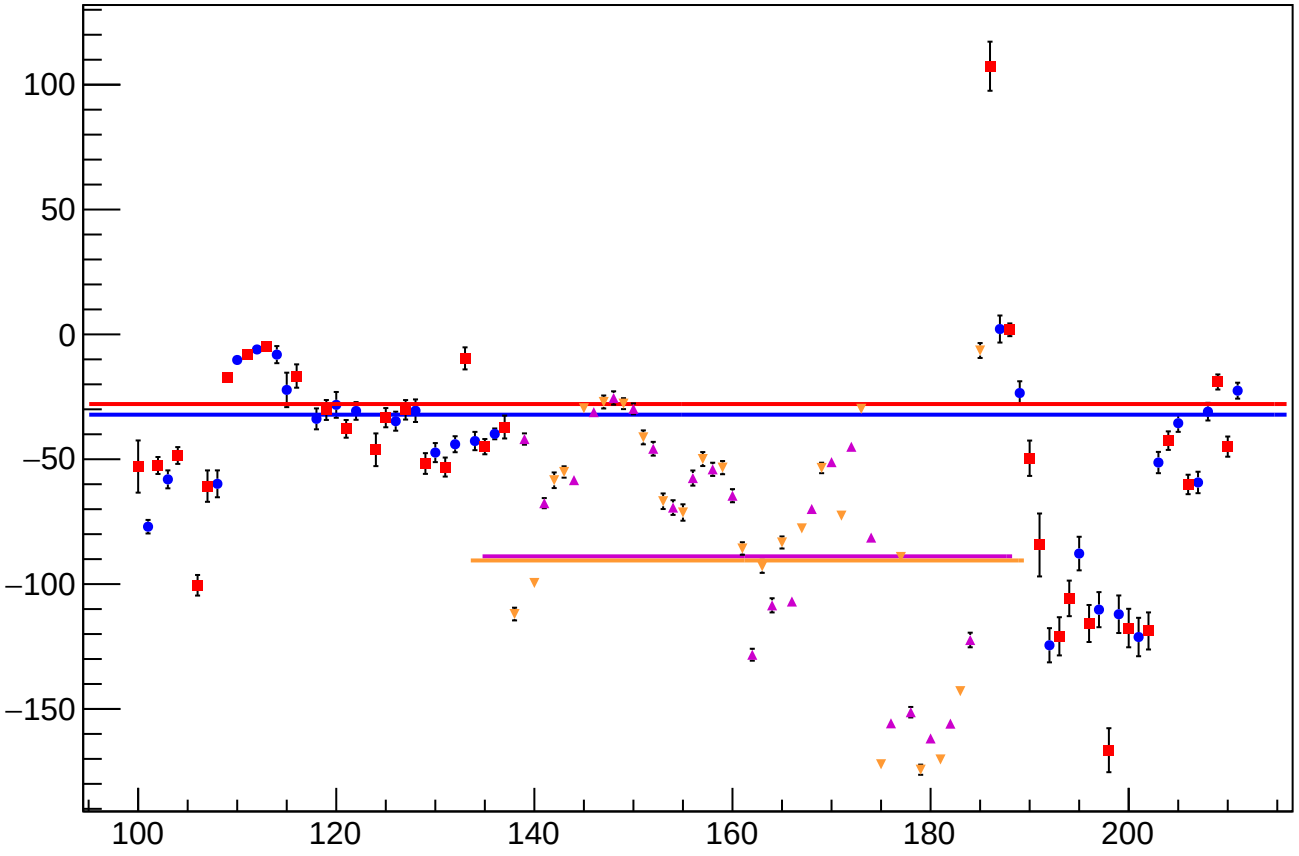
Left In: 0.193+/-0.007 χ^2/NDF:938.2/22

+ sign 0.155+/-0.006 χ^2/NDF: 1899.9/52

All: 0.155+/-0.005 χ^2/NDF: 4887.8/108

- sign 0.156+/-0.006 χ^2/NDF: 2987.9/55

reg_asym_sam4_diff_bpm1X_slope vs Slug



Right In: -32.152+/-0.641 χ^2/NDF: 1662.0/27

Left Out: -90.534+/-0.421 χ^2/NDF:15358.6/24

Right Out: -27.891+/-0.589 χ^2/NDF: 2421.9/32

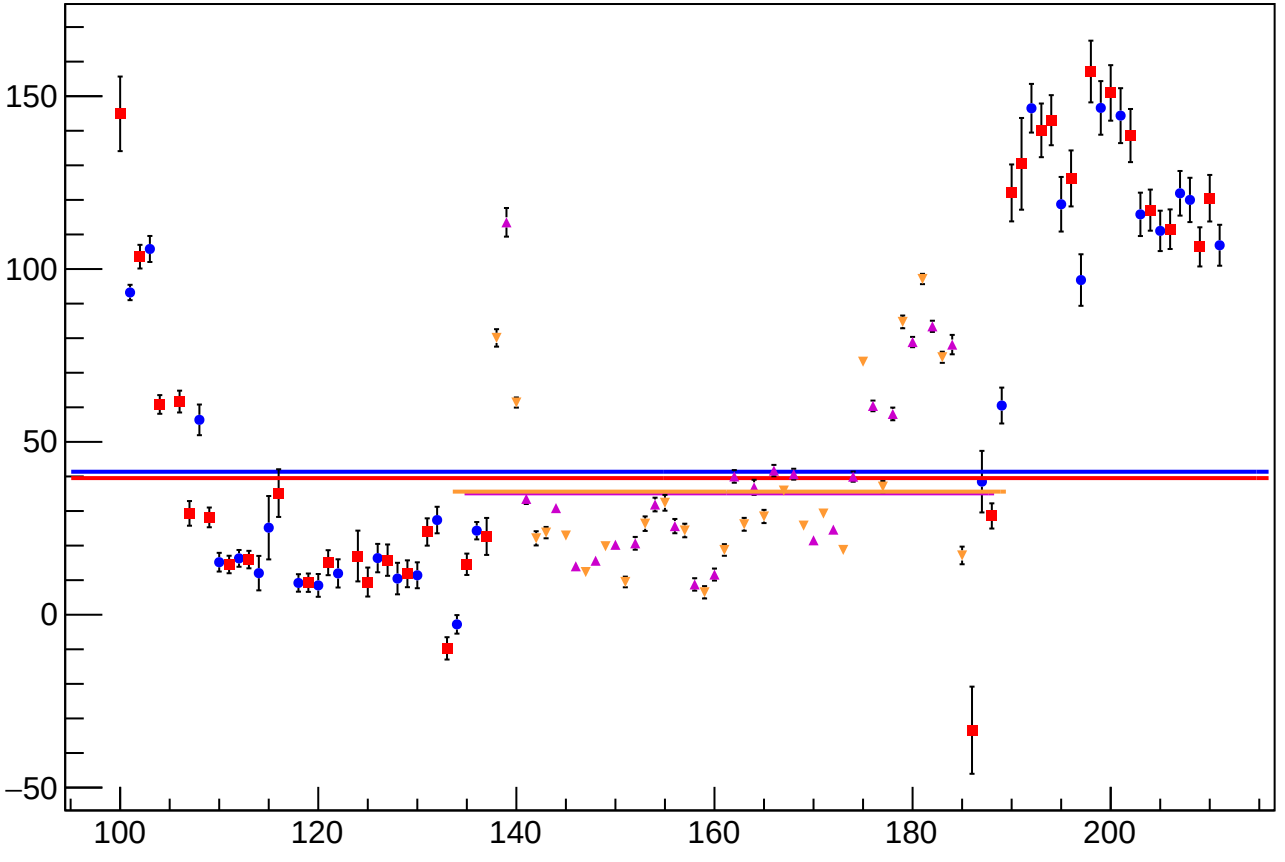
Left In: -88.888+/-0.435 χ^2/NDF:11815.7/22

\+ sign -72.912+/-0.352 χ^2/NDF: 22817.3/52

All: -70.146+/-0.248 χ^2/NDF: 44115.4/108

\- sign -67.415+/-0.350 χ^2/NDF: 21175.4/55

reg_asym_sam4_diff_bpm4aY_slope vs Slug



Right In: 41.366+/-0.745 χ^2/NDF: 3330.6/27

Left Out: 35.612+/-0.326 χ^2/NDF:5973.0/24

Right Out: 39.522+/-0.729 χ^2/NDF: 3224.9/32

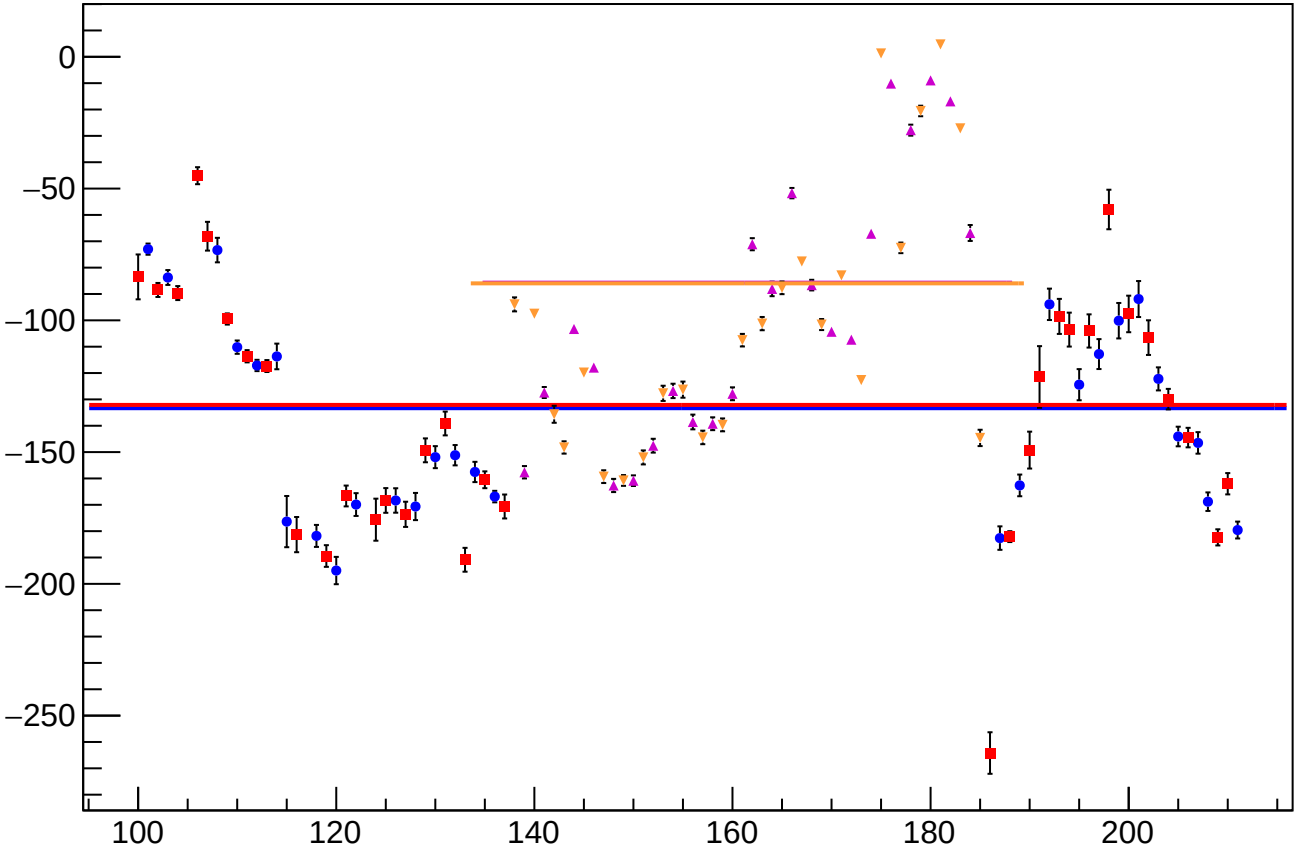
Left In: 35.112+/-0.336 χ^2/NDF:4144.4/22

+ sign 36.536+/-0.298 χ^2/NDF: 9353.8/52

All: 36.219+/-0.213 χ^2/NDF: 16755.6/108

- sign 35.887+/-0.305 χ^2/NDF: 7399.6/55

reg_asym_sam4_diff_bpm4eX_slope vs Slug



Right In: -133.344+/-0.697 χ^2/NDF: 2862.0/27

Left Out: -85.969+/-0.421 χ^2/NDF:16232.5/24

Right Out: -132.096+/-0.661 χ^2/NDF: 4000.3/32

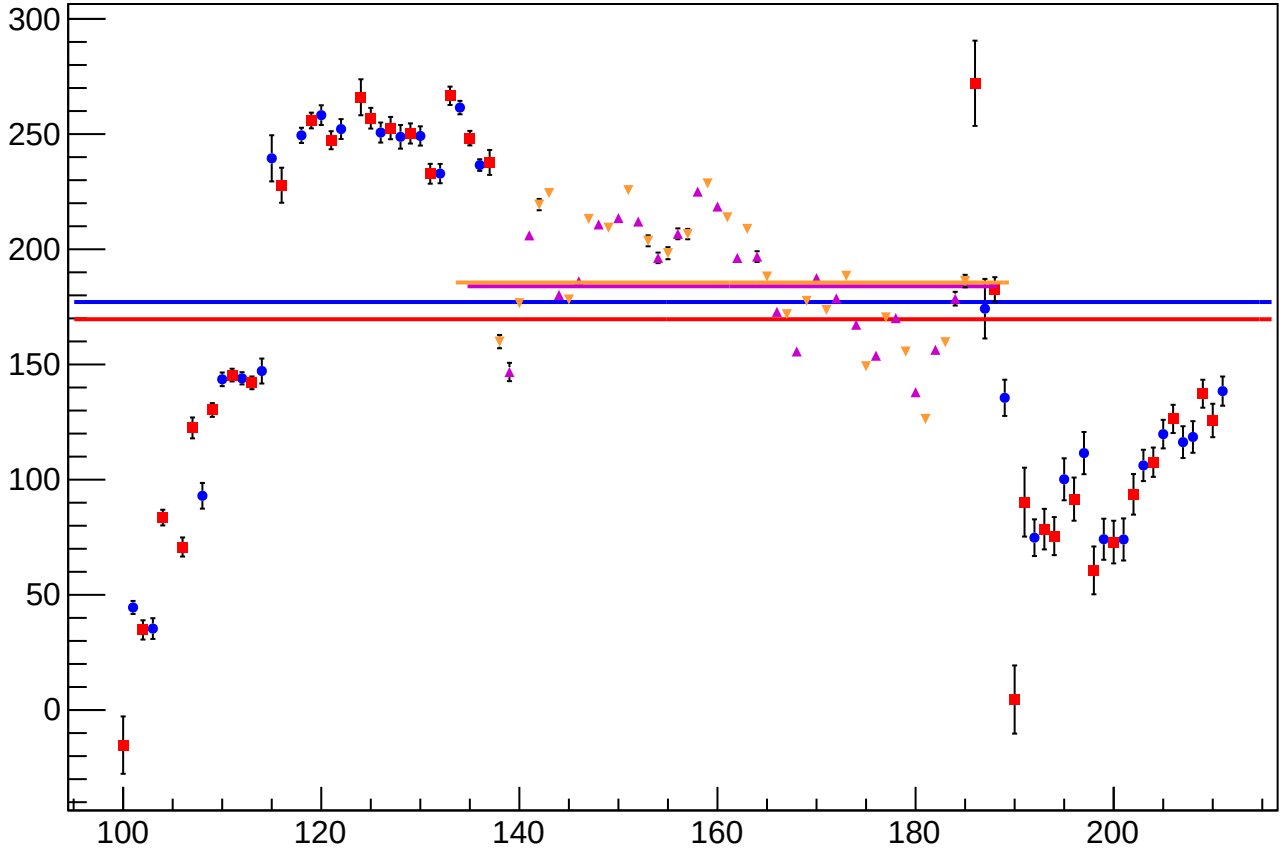
Left In: -85.705+/-0.432 χ^2/NDF:13758.7/22

+ sign -98.620+/-0.360 χ^2/NDF: 22479.1/52

All: -99.117+/-0.255 χ^2/NDF: 43692.7/108

- sign -99.618+/-0.362 χ^2/NDF: 21209.8/55

reg_asym_sam4_diff_bpm4eY_slope vs Slug



Right In: 177.106+/-0.849 χ^2/NDF: 8220.6/27

Left Out: 185.583+/-0.367 χ^2/NDF:5354.7/24

Right Out: 169.632+/-0.836 χ^2/NDF: 7774.3/32

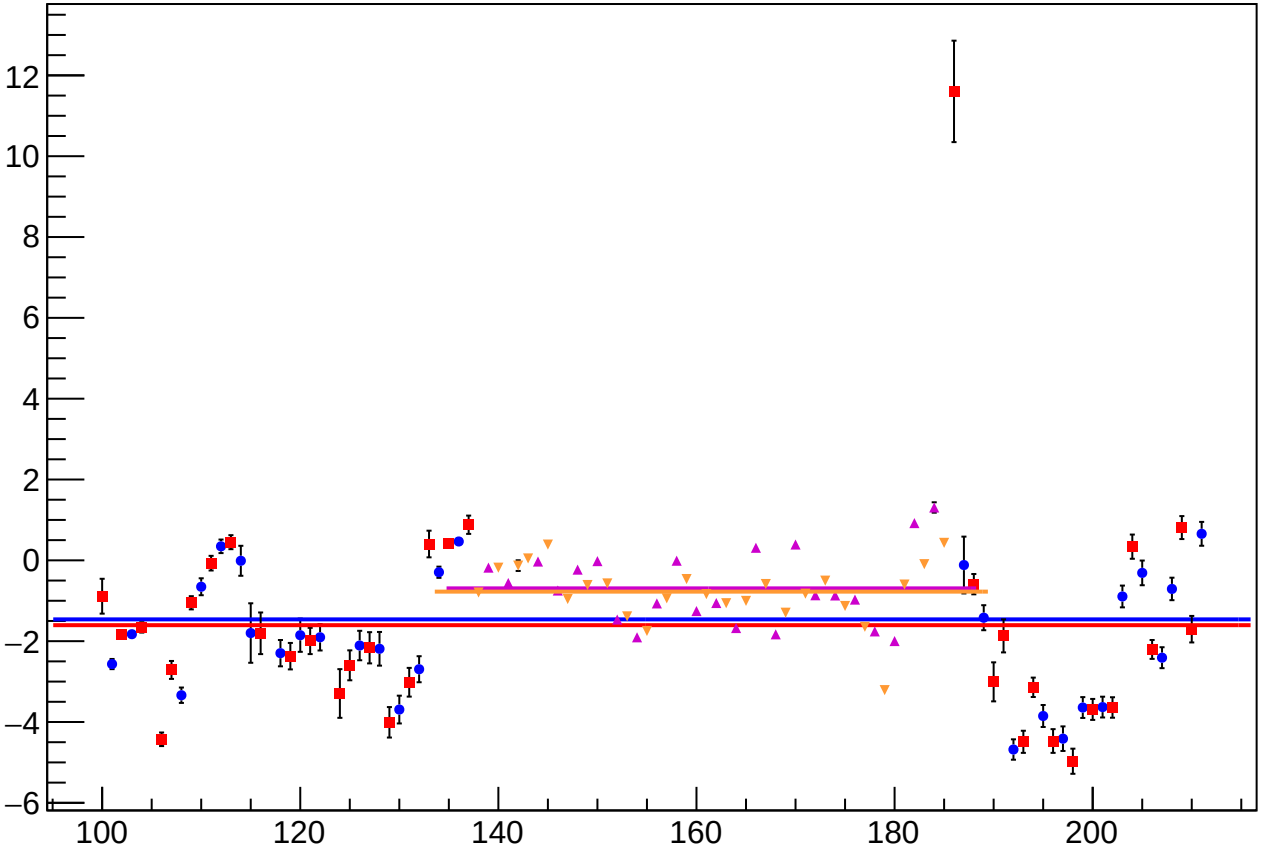
Left In: 183.940+/-0.378 χ^2/NDF:3873.5/22

+ sign 184.250+/-0.337 χ^2/NDF: 13659.3/52

All: 182.913+/-0.241 χ^2/NDF: 25582.4/108

- sign 181.516+/-0.344 χ^2/NDF: 11890.9/55

reg_asym_sam4_diff_bpm12X_slope vs Slug



Right In: -1.461+/-0.042 χ^2/NDF: 1402.8/27

Left Out: -0.774+/-0.016 χ^2/NDF:1822.9/24

Right Out: -1.604+/-0.041 χ^2/NDF: 1792.8/32

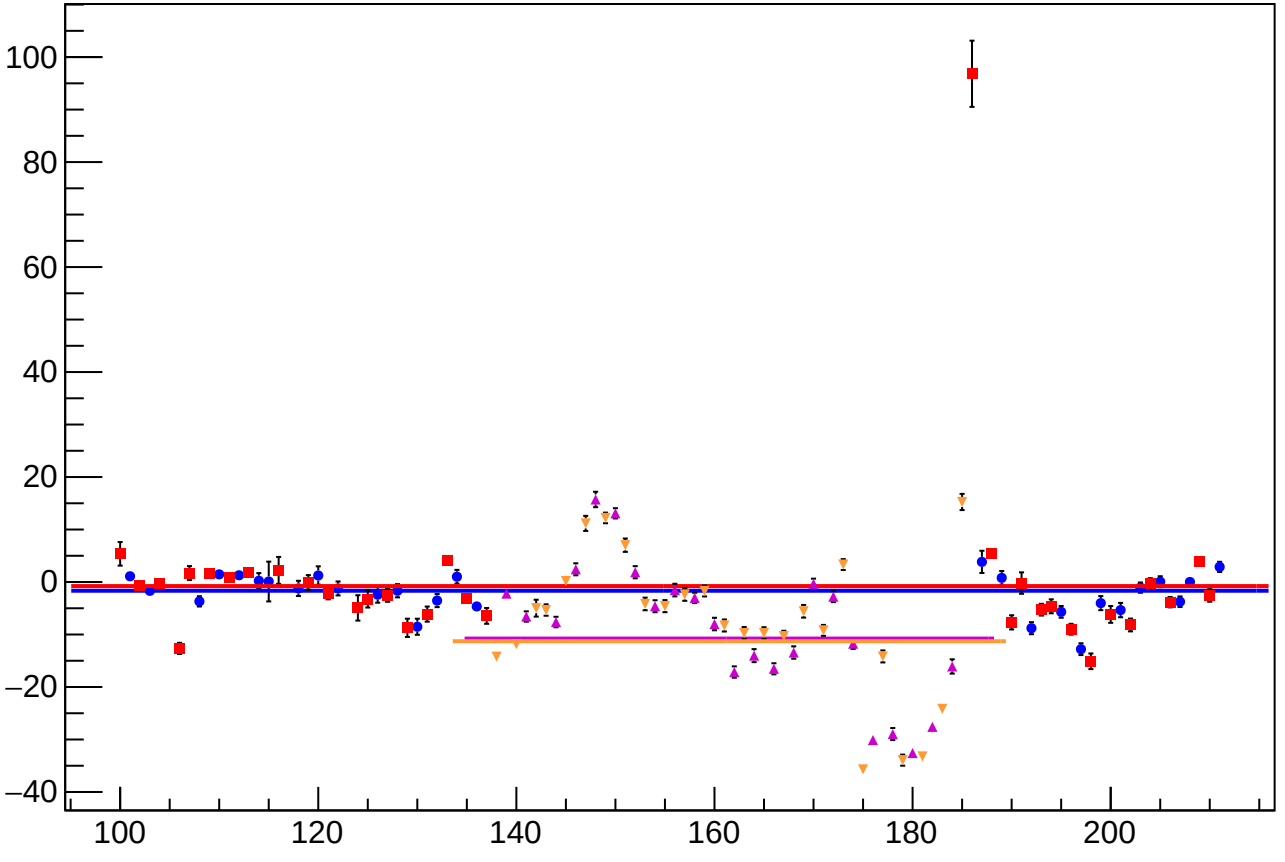
Left In: -0.694+/-0.017 χ^2/NDF:2565.3/22

+ sign -0.867+/-0.015 χ^2/NDF: 3462.2/52

All: -0.847+/-0.011 χ^2/NDF: 8252.5/108

- sign -0.826+/-0.016 χ^2/NDF: 4786.7/55

reg_asym_sam5_diff_bpm1X_slope vs Slug



Right In: -1.659+/-0.199 χ^2/NDF: 314.1/27

Left Out: -11.283+/-0.208 χ^2/NDF:4500.3/24

Right Out: -0.773+/-0.178 χ^2/NDF: 928.9/32

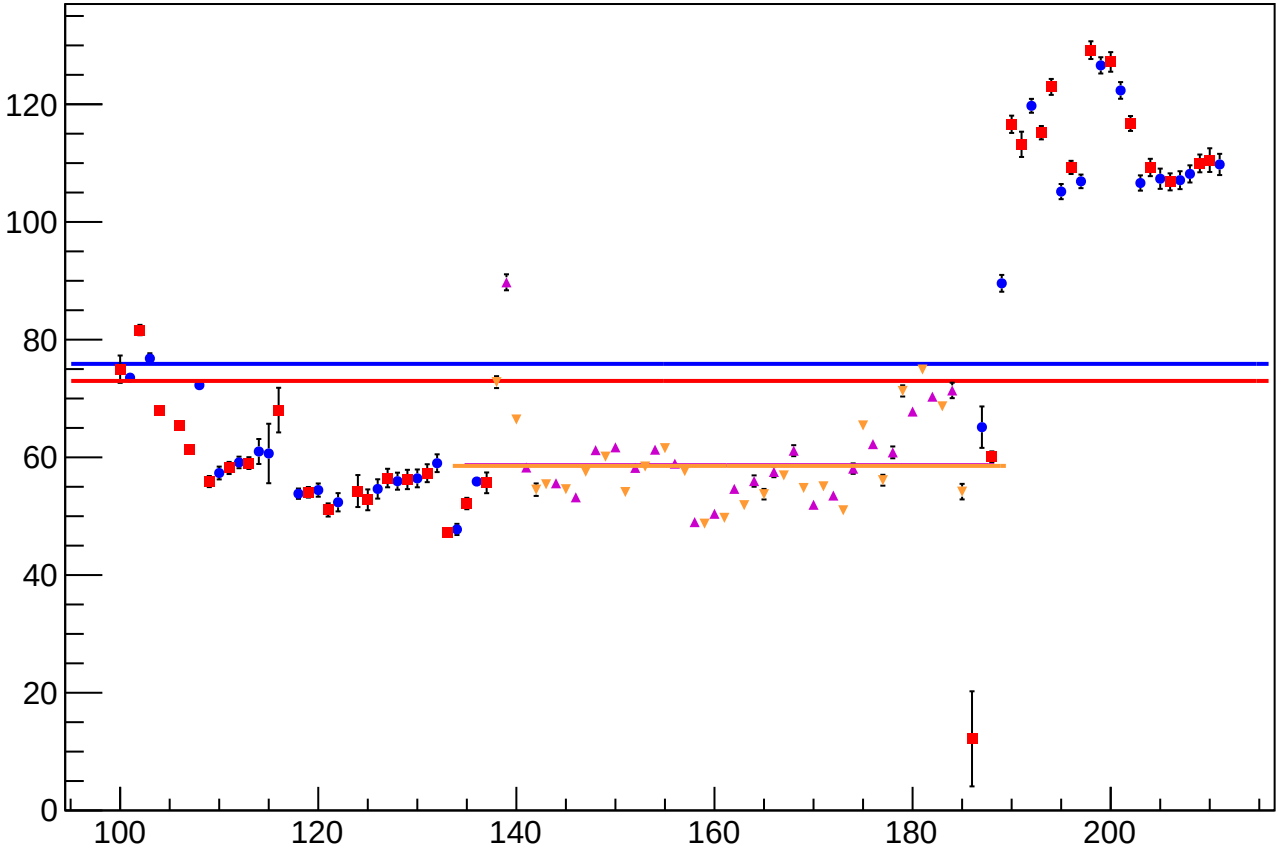
Left In: -10.776+/-0.213 χ^2/NDF:3699.2/22

+ sign -6.262+/-0.144 χ^2/NDF: 5931.6/52

All: -5.536+/-0.099 χ^2/NDF: 11903.7/108

- sign -4.880+/-0.137 χ^2/NDF: 5923.6/55

reg_asym_sam5_diff_bpm4aY_slope vs Slug



Right In: 75.885+/-0.224 χ^2/NDF: 11302.0/27

Left Out: 58.550+/-0.161 χ^2/NDF:1902.5/24

Right Out: 72.986+/-0.205 χ^2/NDF: 15625.2/32

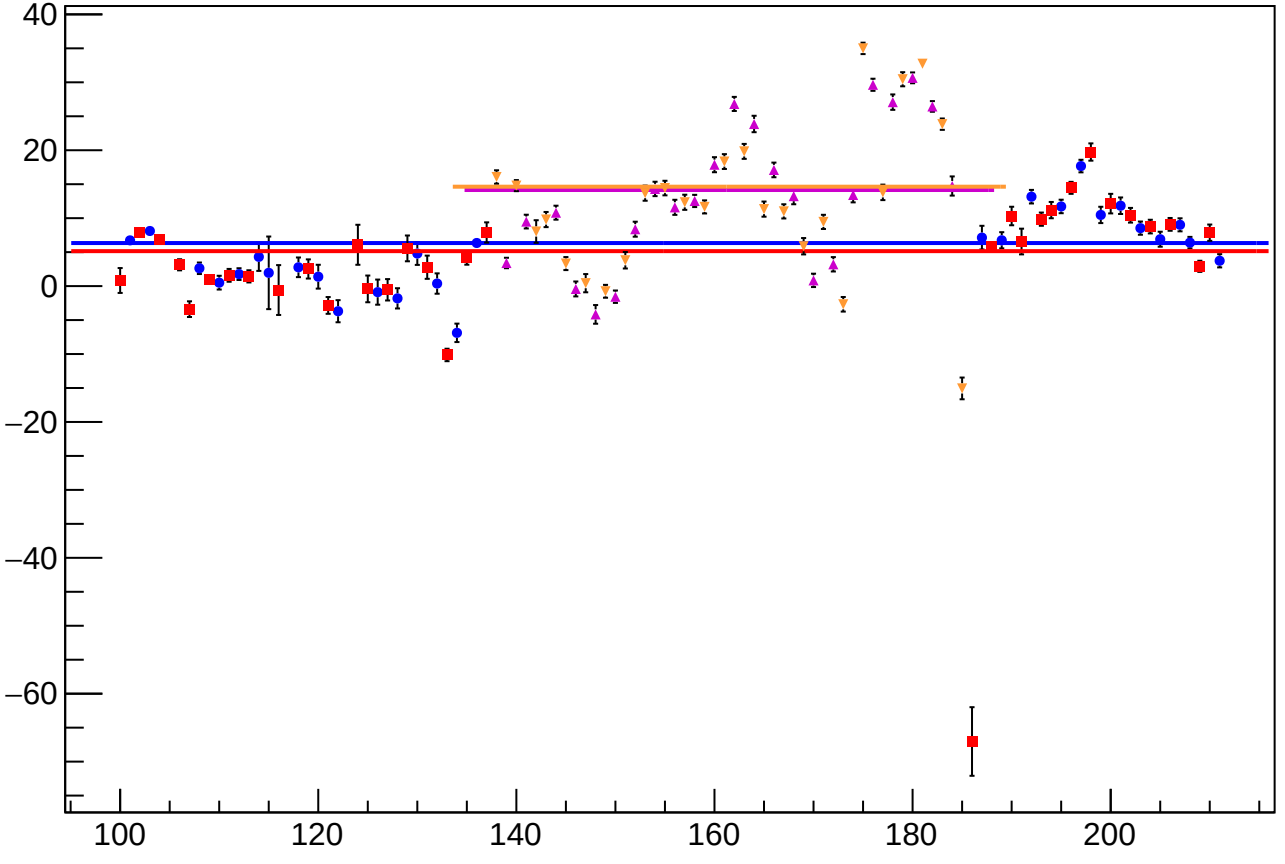
Left In: 58.679+/-0.168 χ^2/NDF:1613.4/22

+ sign 64.477+/-0.131 χ^2/NDF: 17160.0/52

All: 64.463+/-0.092 χ^2/NDF: 37310.7/108

- sign 64.449+/-0.130 χ^2/NDF: 20150.7/55

reg_asym_sam5_diff_bpm4eX_slope vs Slug



Right In: 6.339+/-0.199 χ^2/NDF: 576.9/27

Left Out: 14.634+/-0.207 χ^2/NDF:2962.1/24

Right Out: 5.145+/-0.181 χ^2/NDF: 1112.8/32

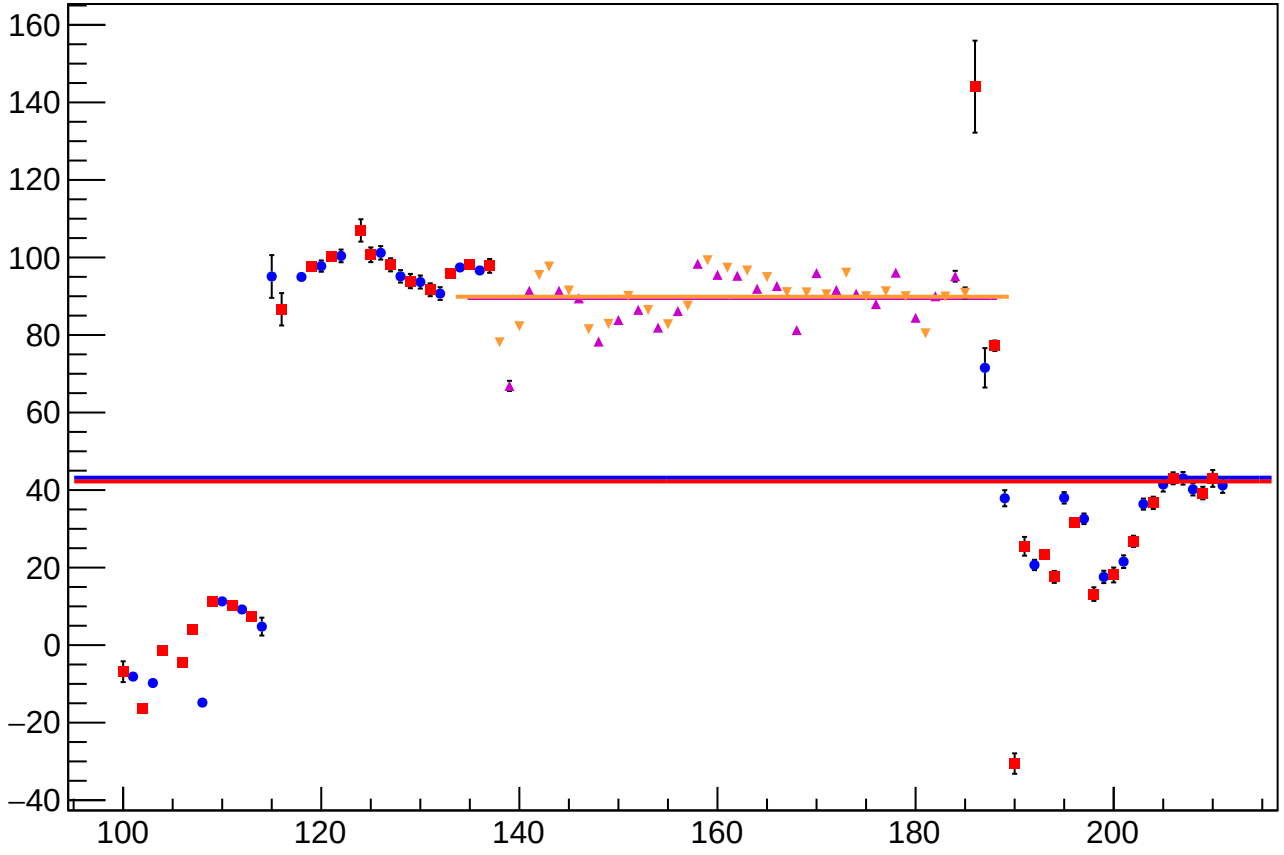
Left In: 14.146+/-0.211 χ^2/NDF:2541.2/22

+ sign 10.332+/-0.143 χ^2/NDF: 4374.3/52

All: 9.611+/-0.099 χ^2/NDF: 9124.5/108

- sign 8.950+/-0.137 χ^2/NDF: 4701.8/55

reg_asym_sam5_diff_bpm4eY_slope vs Slug



Right In: 43.191+/-0.258 χ^2/NDF: 27937.0/27

Left Out: 89.875+/-0.181 χ^2/NDF:1065.4/24

Right Out: 42.227+/-0.240 χ^2/NDF: 31740.9/32

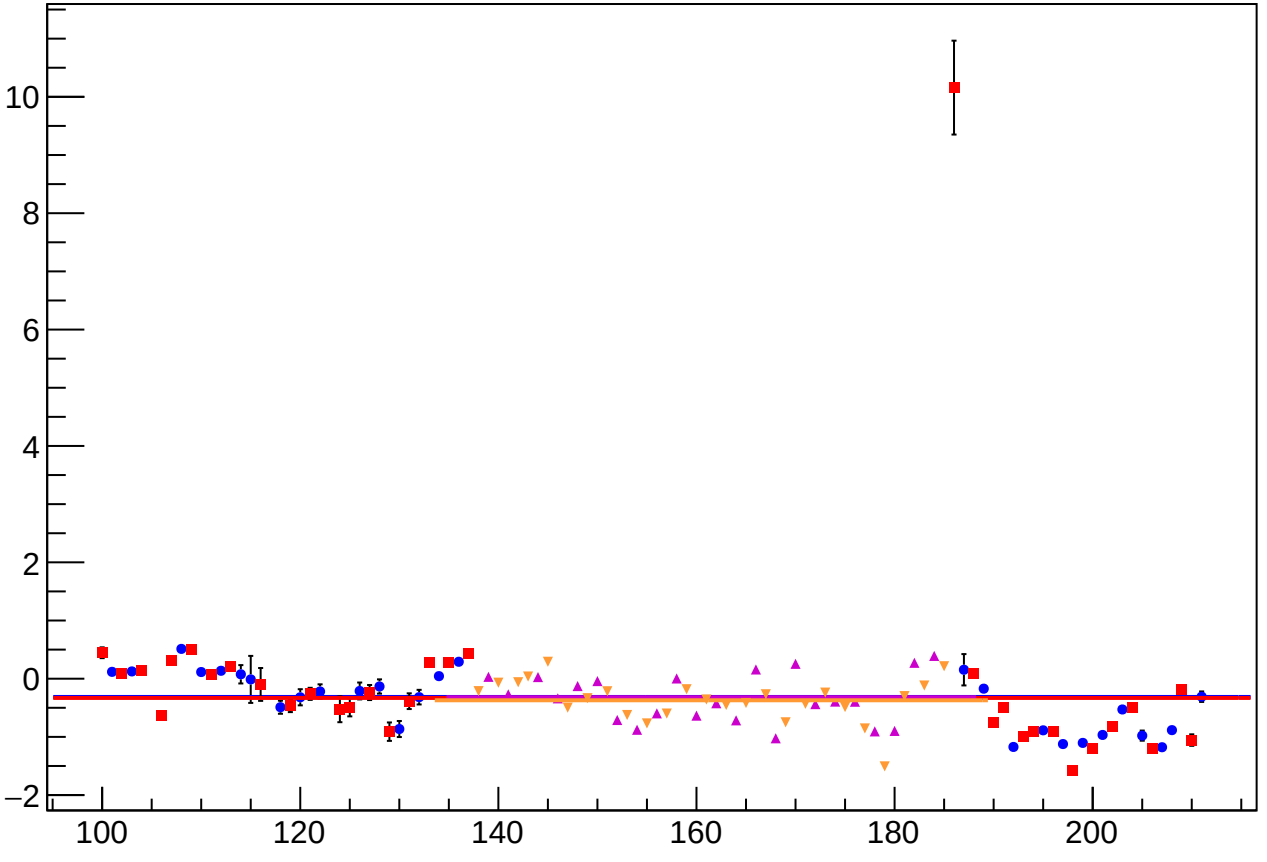
Left In: 89.541+/-0.188 χ^2/NDF:1095.3/22

+ sign 74.505+/-0.148 χ^2/NDF: 50899.1/52

All: 73.056+/-0.105 χ^2/NDF: 108042.3/108

- sign 71.615+/-0.148 χ^2/NDF: 56952.7/55

reg_asym_sam5_diff_bpm12X_slope vs Slug



Right In: -0.314+/-0.011 χ^2/NDF: 3255.2/27

Left Out: -0.371+/-0.008 χ^2/NDF:1769.5/24

Right Out: -0.331+/-0.010 χ^2/NDF: 3742.7/32

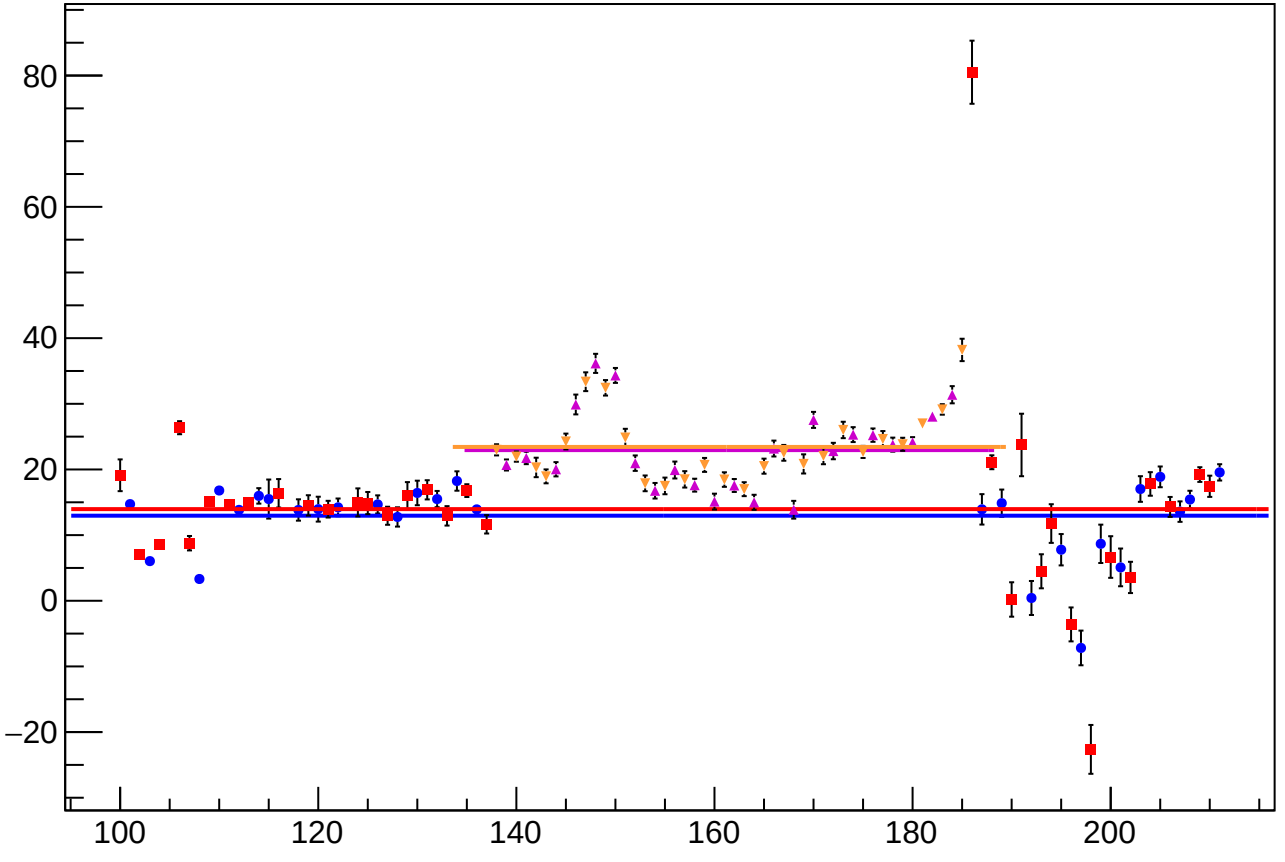
Left In: -0.319+/-0.008 χ^2/NDF:2441.1/22

+ sign -0.350+/-0.006 χ^2/NDF: 5043.0/52

All: -0.337+/-0.004 χ^2/NDF: 11236.0/108

- sign -0.324+/-0.006 χ^2/NDF: 6184.5/55

reg_asym_sam6_diff_bpm1X_slope vs Slug



Right In: 12.959+/-0.199 χ^2/NDF: 535.6/27

Left Out: 23.431+/-0.216 χ^2/NDF:427.8/24

Right Out: 13.960+/-0.190 χ^2/NDF: 886.6/32

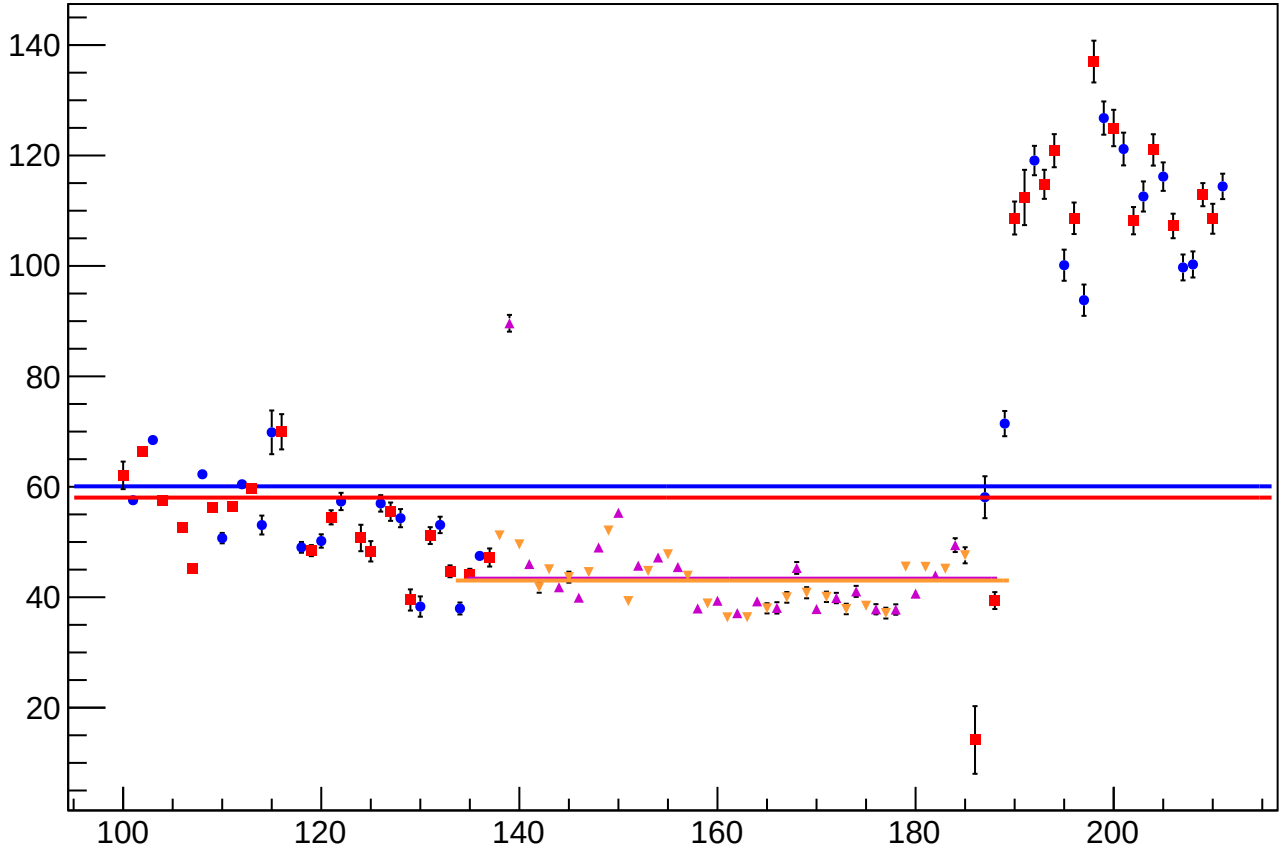
Left In: 22.949+/-0.225 χ^2/NDF:565.2/22

+ sign 17.771+/-0.146 χ^2/NDF: 2235.6/52

All: 17.728+/-0.103 χ^2/NDF: 4618.9/108

- sign 17.686+/-0.145 χ^2/NDF: 2383.2/55

reg_asym_sam6_diff_bpm4aY_slope vs Slug



Right In: 60.083+/-0.213 χ^2/NDF: 5108.8/27

Left Out: 43.029+/-0.167 χ^2/NDF:780.7/24

Right Out: 58.046+/-0.214 χ^2/NDF: 6404.2/32

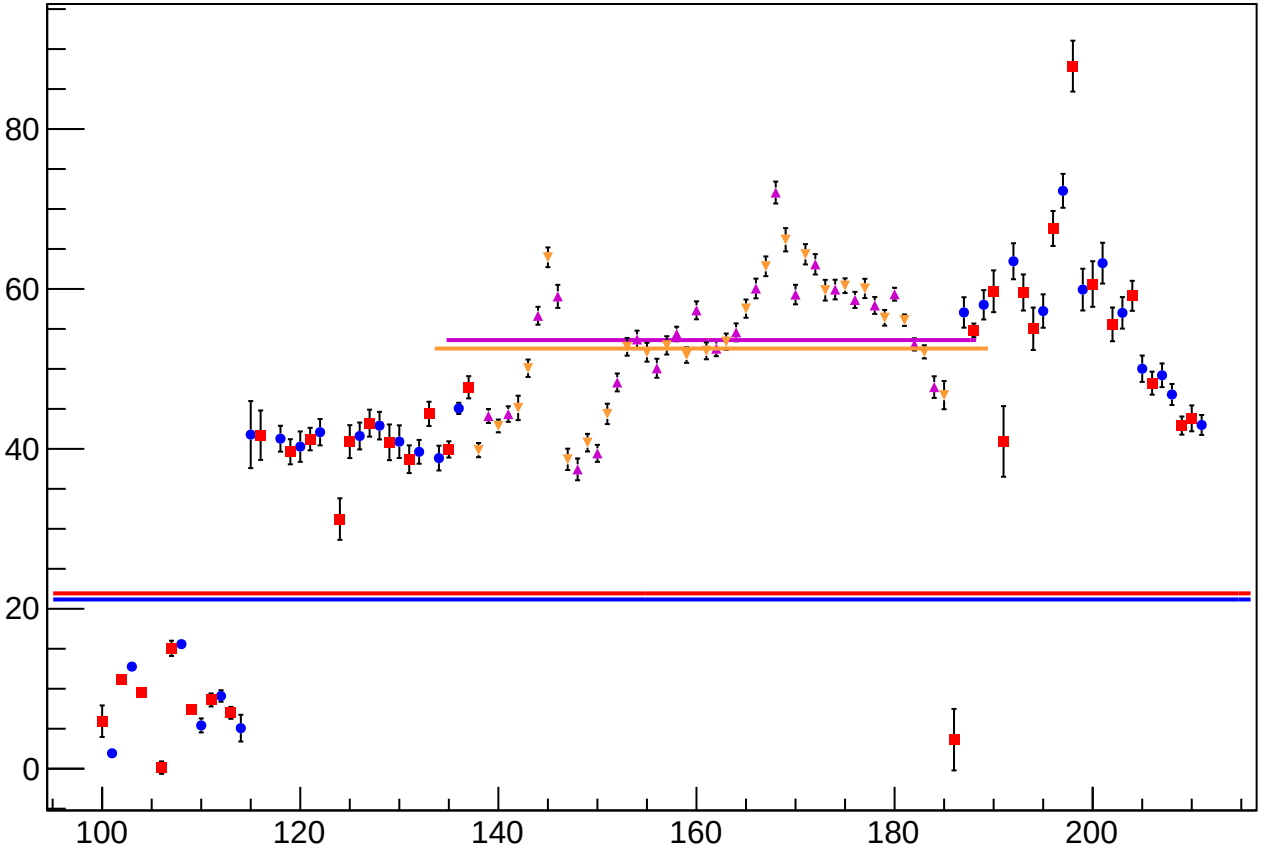
Left In: 43.361+/-0.177 χ^2/NDF:1683.3/22

+ sign 49.534+/-0.132 χ^2/NDF: 9853.4/52

All: 49.435+/-0.095 χ^2/NDF: 20737.2/108

- sign 49.328+/-0.136 χ^2/NDF: 10882.7/55

reg_asym_sam6_diff_bpm4eX_slope vs Slug



Right In: 21.164+/-0.197 χ^2/NDF: 10022.8/27

Left Out: 52.550+/-0.215 χ^2/NDF:1186.2/24

Right Out: 21.928+/-0.199 χ^2/NDF: 9512.7/32

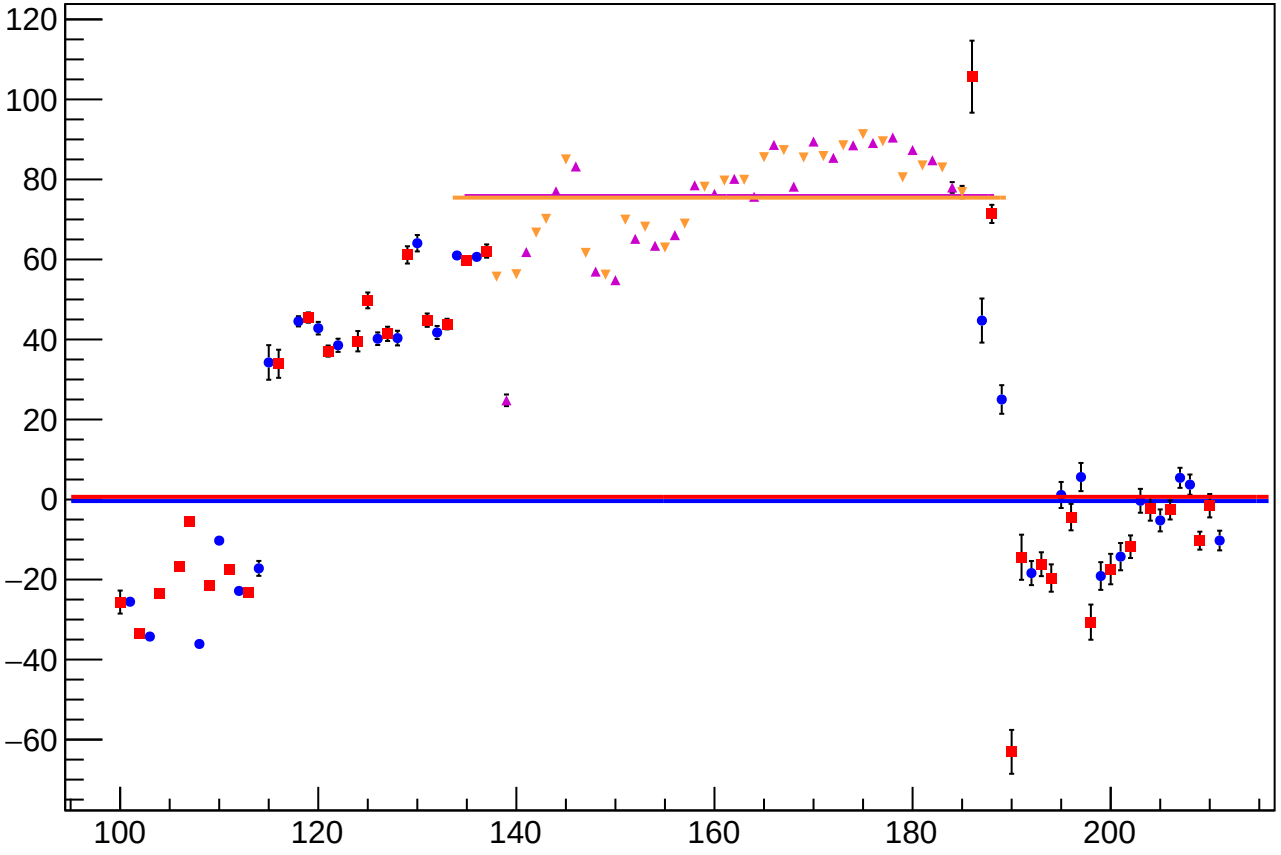
Left In: 53.605+/-0.223 χ^2/NDF:1015.9/22

+ sign 35.551+/-0.145 χ^2/NDF: 22795.8/52

All: 35.741+/-0.104 χ^2/NDF: 44591.2/108

- sign 35.939+/-0.148 χ^2/NDF: 21791.9/55

reg_asym_sam6_diff_bpm4eY_slope vs Slug



Right In: -0.388+/-0.251 χ^2/NDF: 21260.3/27

Left Out: 75.448+/-0.188 χ^2/NDF:3469.1/24

Right Out: 0.672+/-0.252 χ^2/NDF: 17465.3/32

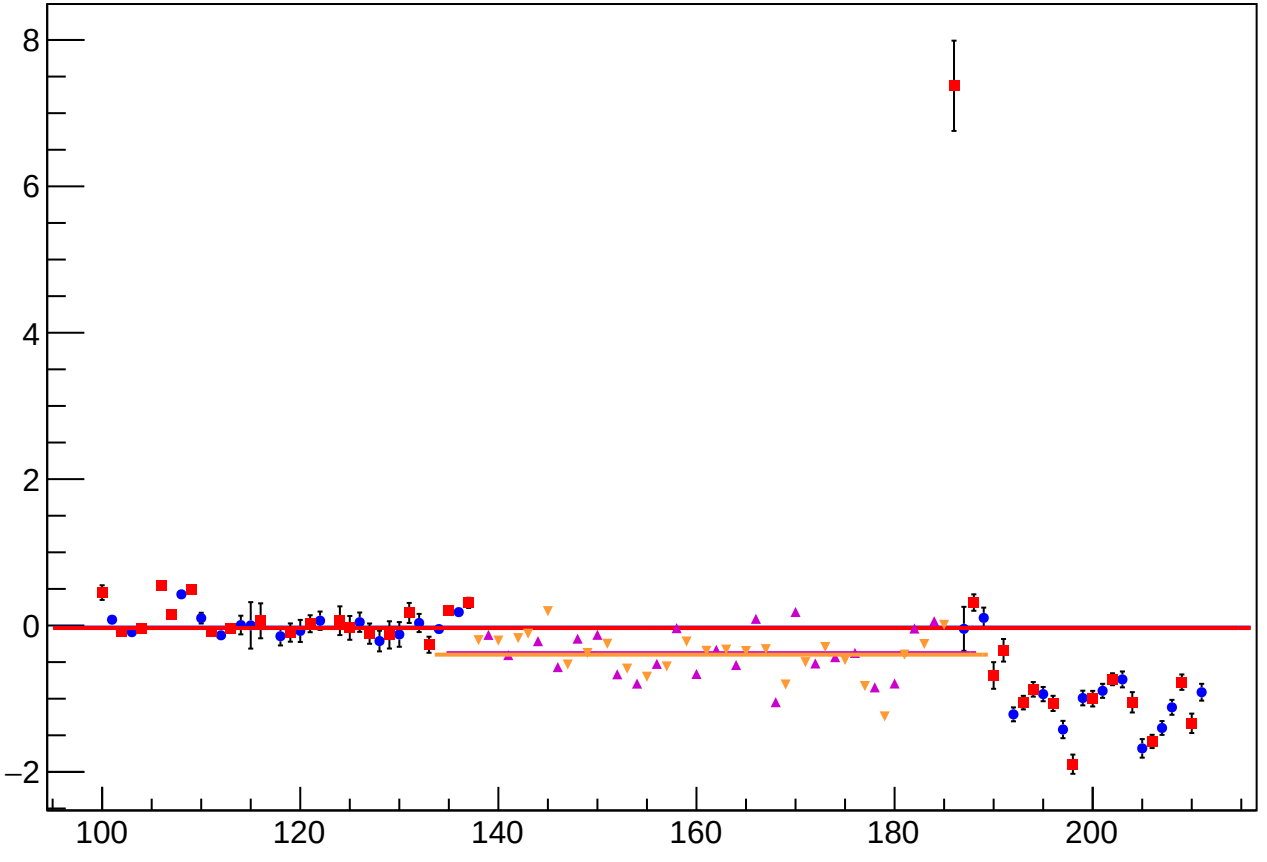
Left In: 75.844+/-0.197 χ^2/NDF:4265.6/22

+ sign 48.071+/-0.151 χ^2/NDF: 83257.6/52

All: 47.662+/-0.108 χ^2/NDF: 160289.0/108

- sign 47.227+/-0.155 χ^2/NDF: 77016.2/55

reg_asym_sam6_diff_bpm12X_slope vs Slug



Right In: -0.029+/-0.011 χ^2/NDF: 1574.9/27

Left Out: -0.398+/-0.008 χ^2/NDF:1031.5/24

Right Out: -0.035+/-0.011 χ^2/NDF: 1829.3/32

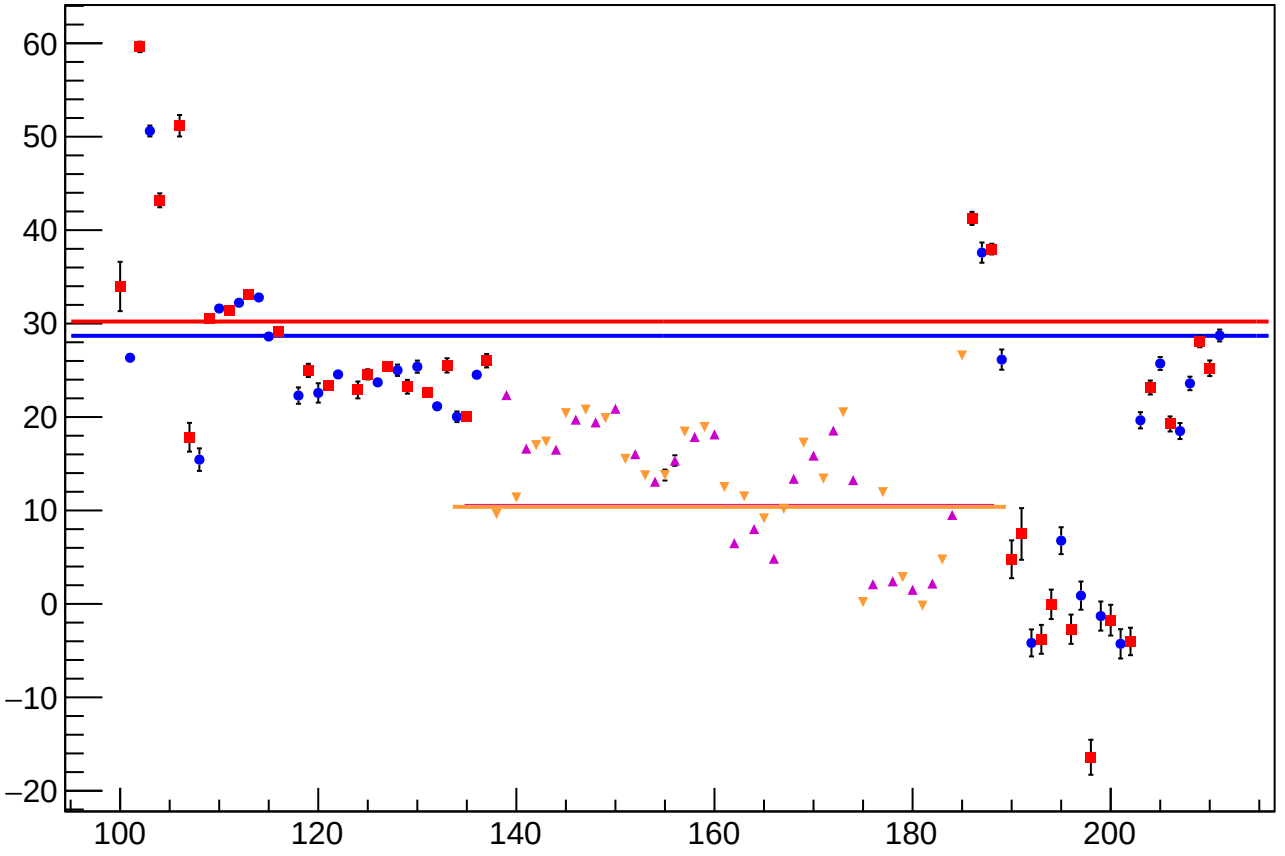
Left In: -0.378+/-0.009 χ^2/NDF:1351.5/22

+ sign -0.255+/-0.007 χ^2/NDF: 3354.4/52

All: -0.249+/-0.005 χ^2/NDF: 7163.5/108

- sign -0.243+/-0.007 χ^2/NDF: 3807.4/55

reg_asym_sam7_diff_bpm1X_slope vs Slug



Right In: 28.691+/-0.087 χ^2/NDF: 5748.6/27

Left Out: 10.390+/-0.064 χ^2/NDF:13792.8/24

Right Out: 30.221+/-0.076 χ^2/NDF: 8940.2/32

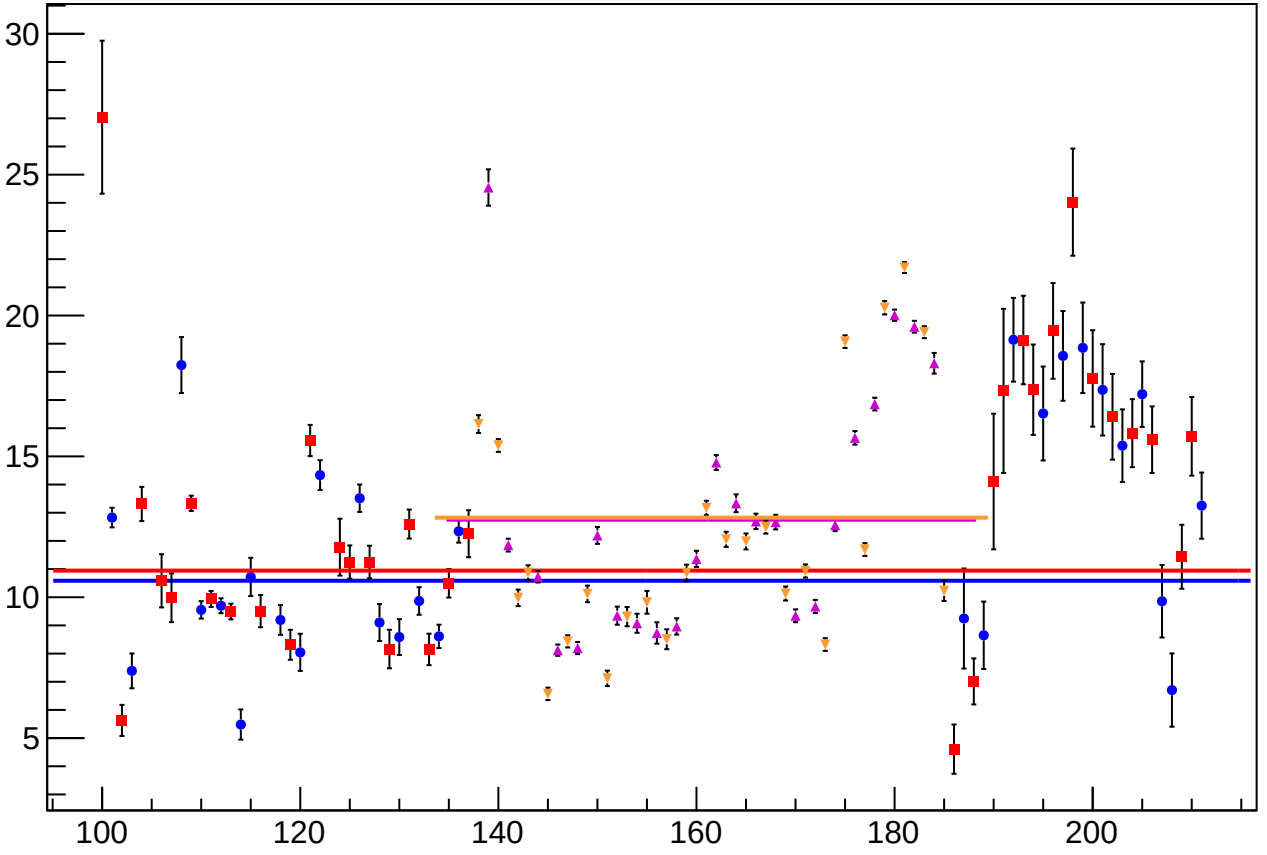
Left In: 10.488+/-0.067 χ^2/NDF:11498.1/22

+ sign 16.809+/-0.052 χ^2/NDF: 48108.9/52

All: 17.947+/-0.036 χ^2/NDF: 107261.5/108

- sign 19.025+/-0.050 χ^2/NDF: 58207.9/55

reg_asym_sam7_diff_bpm4aY_slope vs Slug



Right In: 10.585+/-0.110 χ^2/NDF: 586.6/27

Left Out: 12.825+/-0.051 χ^2/NDF:8016.5/24

Right Out: 10.945+/-0.108 χ^2/NDF: 688.4/32

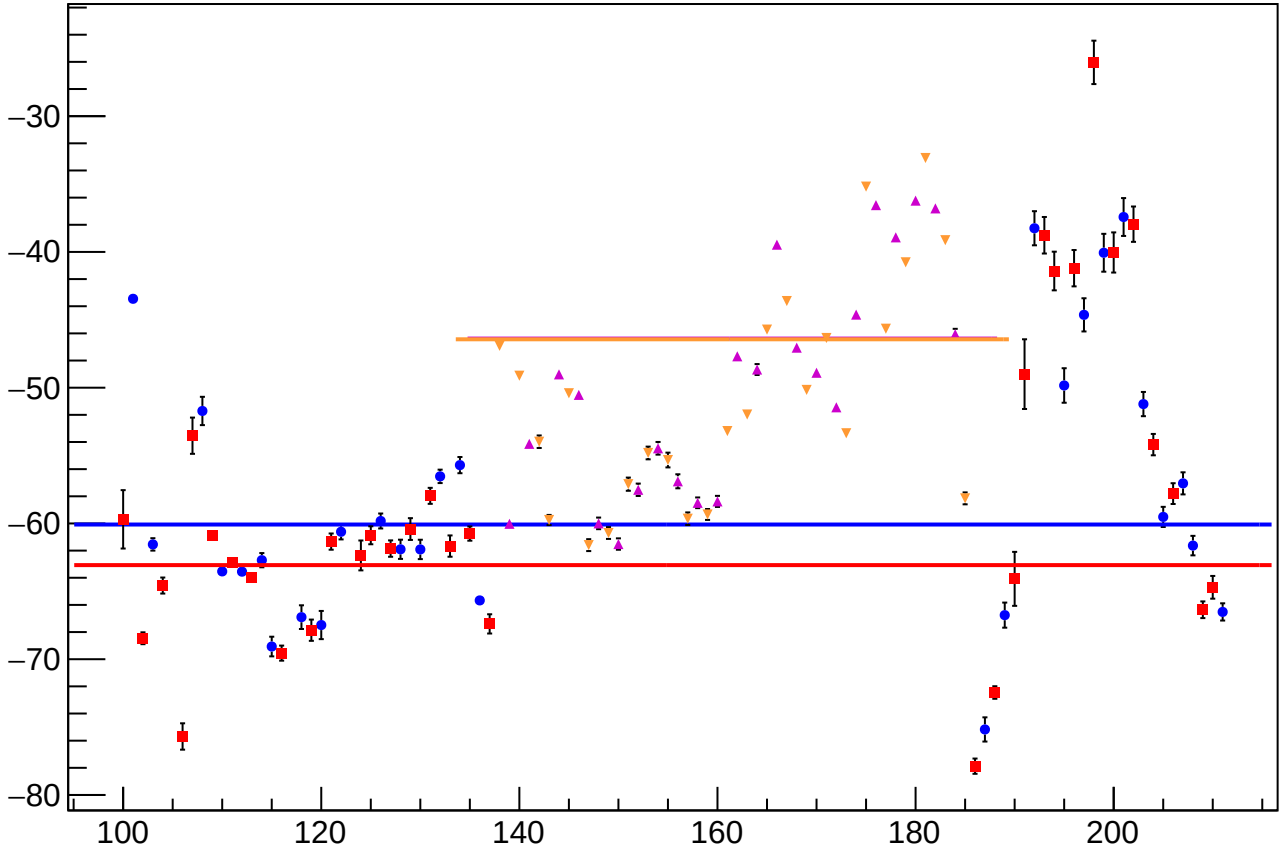
Left In: 12.752+/-0.053 χ^2/NDF:5502.5/22

+ sign 12.425+/-0.046 χ^2/NDF: 8946.1/52

All: 12.413+/-0.033 χ^2/NDF: 15364.4/108

- sign 12.400+/-0.047 χ^2/NDF: 6418.1/55

reg_asym_sam7_diff_bpm4eX_slope vs Slug



Right In: -60.079+/-0.104 χ^2/NDF: 5160.0/27

Left Out: -46.435+/-0.064 χ^2/NDF:18170.4/24

Right Out: -63.068+/-0.097 χ^2/NDF: 4164.7/32

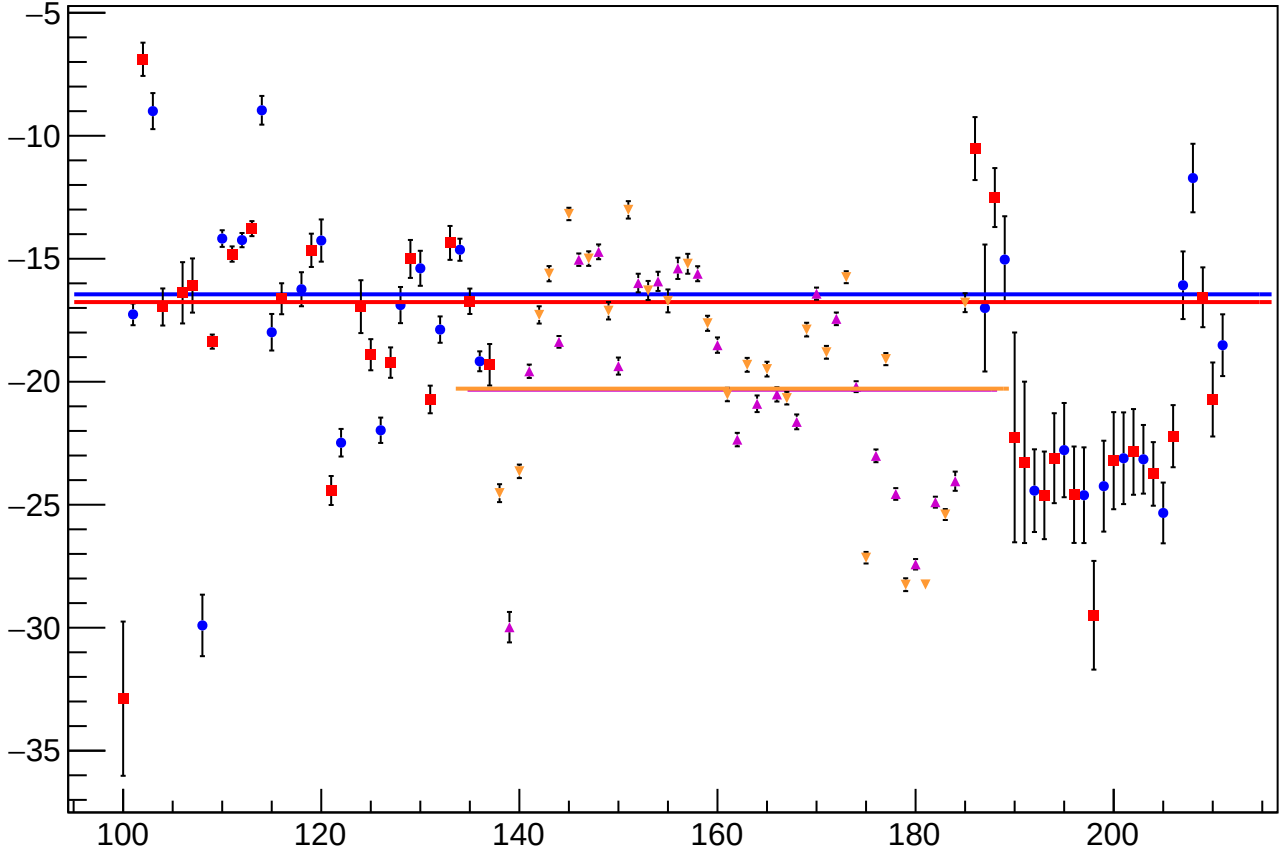
Left In: -46.383+/-0.067 χ^2/NDF:15080.6/22

+ sign -50.226+/-0.055 χ^2/NDF: 35791.2/52

All: -50.972+/-0.039 χ^2/NDF: 75397.5/108

- sign -51.728+/-0.055 χ^2/NDF: 39232.1/55

reg_asym_sam7_diff_bpm4eY_slope vs Slug



Right In: -16.446+/-0.123 χ^2/NDF: 974.2/27

Left Out: -20.281+/-0.057 χ^2/NDF:7019.5/24

Right Out: -16.761+/-0.120 χ^2/NDF: 889.0/32

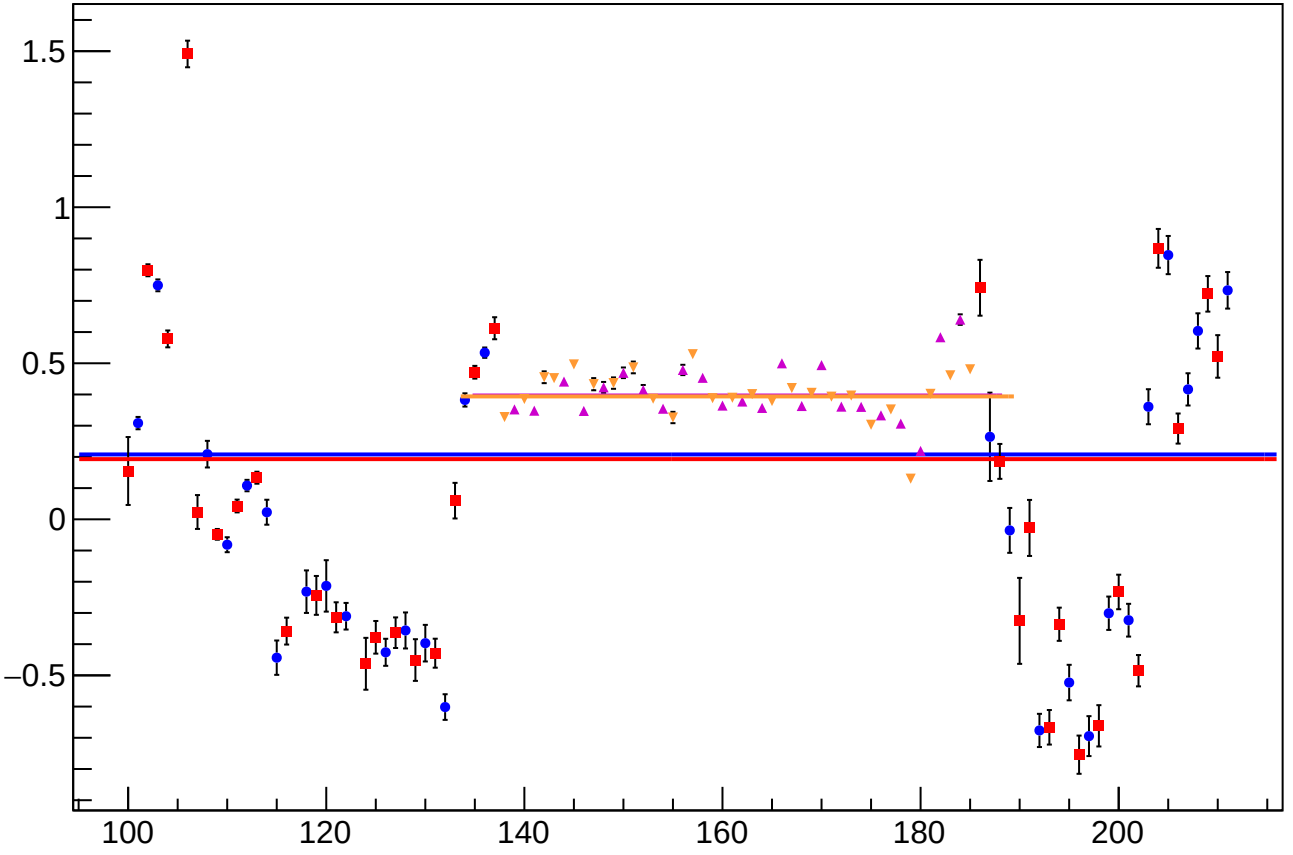
Left In: -20.324+/-0.059 χ^2/NDF:4272.7/22

+ sign -19.597+/-0.052 χ^2/NDF: 8798.9/52

All: -19.611+/-0.037 χ^2/NDF: 14673.6/108

- sign -19.626+/-0.053 χ^2/NDF: 5874.5/55

reg_asym_sam7_diff_bpm12X_slope vs Slug



Right In: 0.208+/-0.007 χ^2/NDF: 3758.1/27

Left Out: 0.394+/-0.003 χ^2/NDF:946.9/24

Right Out: 0.193+/-0.007 χ^2/NDF: 4909.3/32

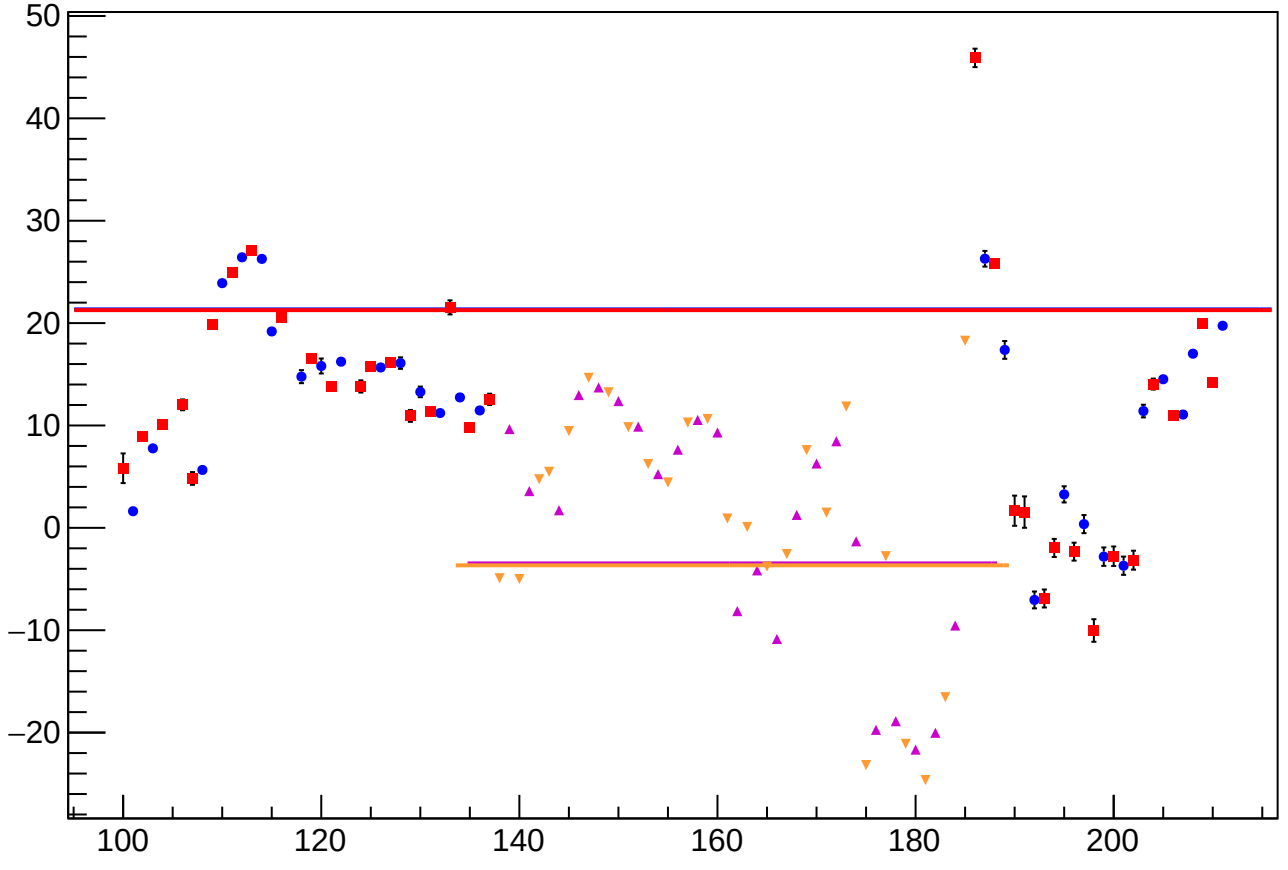
Left In: 0.397+/-0.003 χ^2/NDF:1295.7/22

+ sign 0.369+/-0.002 χ^2/NDF: 5408.1/52

All: 0.369+/-0.002 χ^2/NDF: 12456.3/108

- sign 0.368+/-0.002 χ^2/NDF: 7048.1/55

reg_asym_sam8_diff_bpm1X_slope vs Slug



Right In: 21.336+/-0.053 χ^2/NDF: 17714.9/27

Left Out: -3.660+/-0.055 χ^2/NDF:56739.4/24

Right Out: 21.268+/-0.044 χ^2/NDF: 17747.9/32

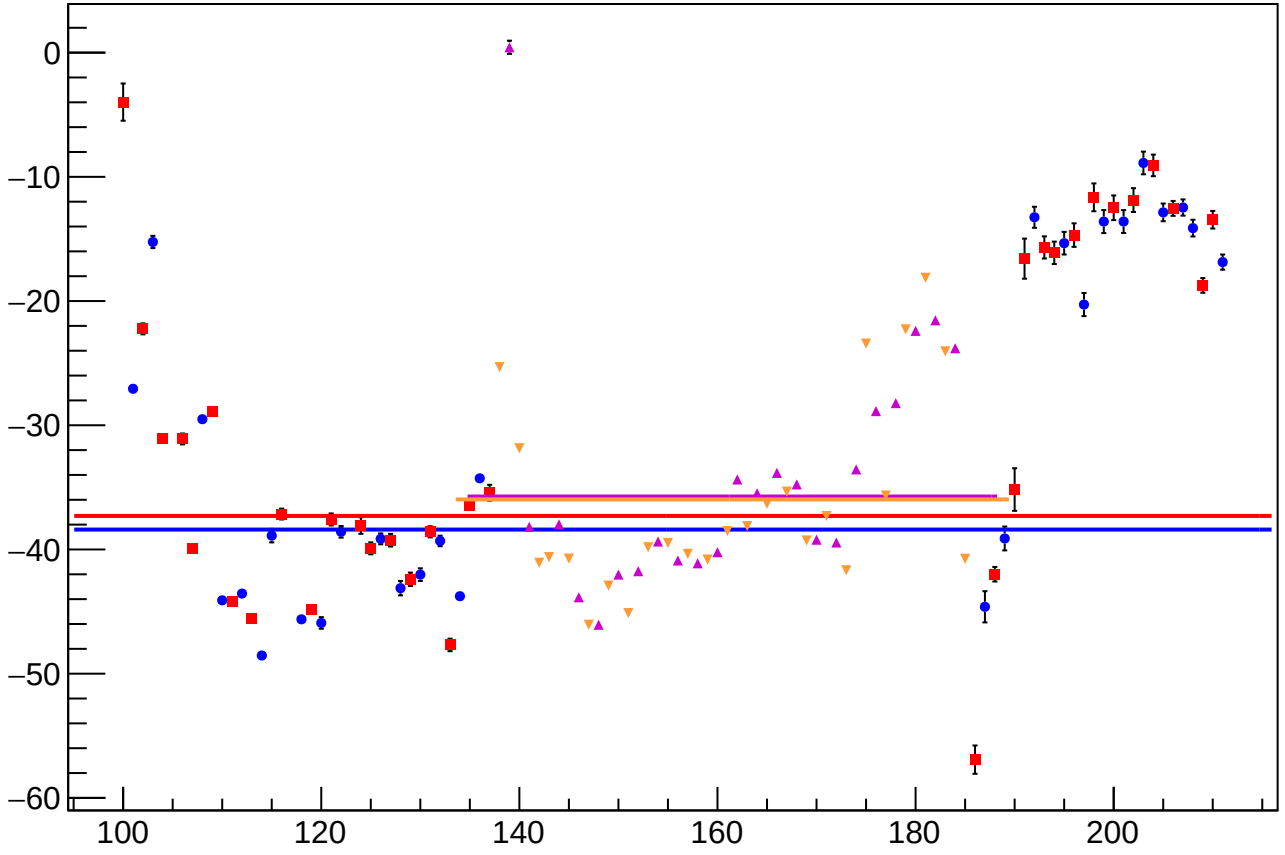
Left In: -3.475+/-0.057 χ^2/NDF:45103.9/22

+ sign 9.124+/-0.038 χ^2/NDF: 181897.7/52

All: 10.680+/-0.026 χ^2/NDF: 364003.4/108

- sign 12.002+/-0.035 χ^2/NDF: 179024.9/55

reg_asym_sam8_diff_bpm4aY_slope vs Slug



Right In: -38.397+/-0.073 χ^2/NDF: 18512.0/27

Left Out: -35.973+/-0.042 χ^2/NDF:33609.3/24

Right Out: -37.299+/-0.068 χ^2/NDF: 19633.2/32

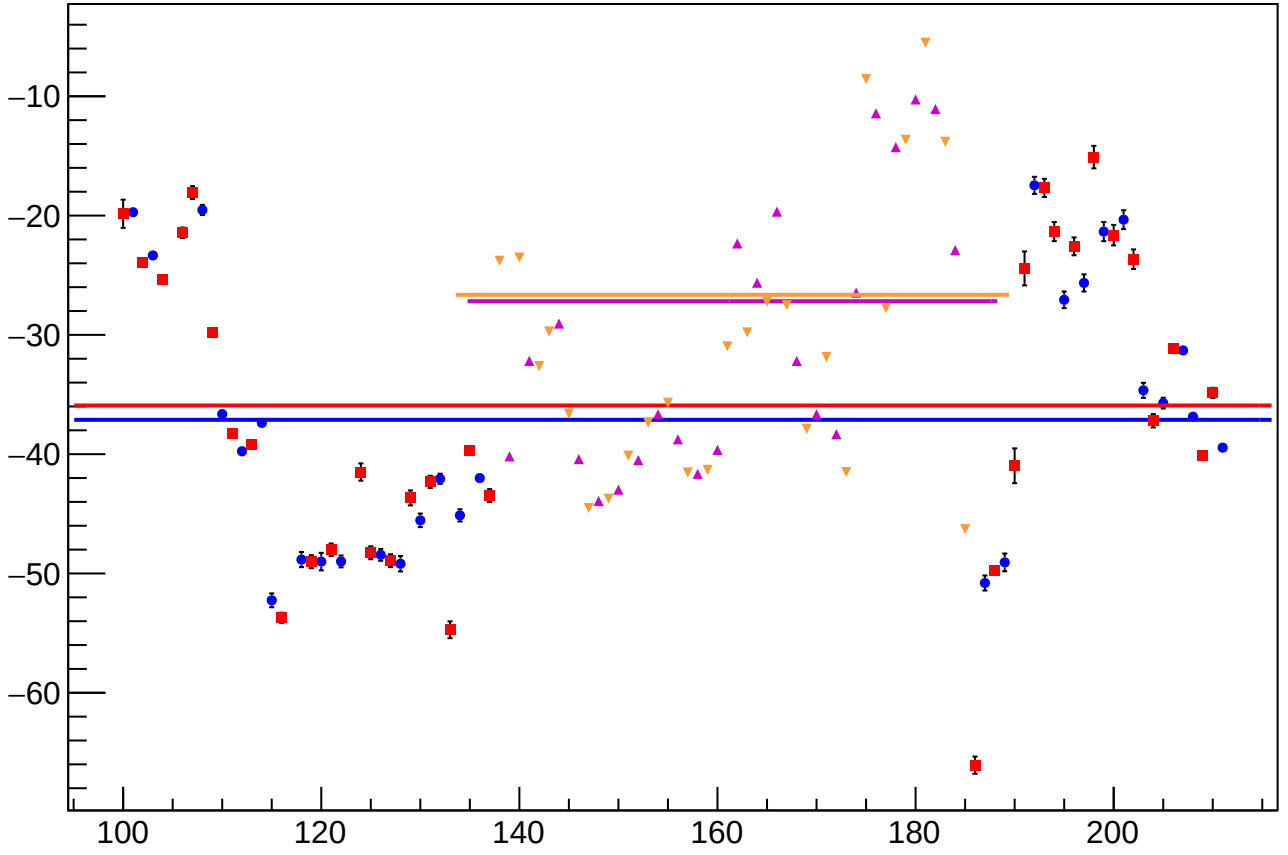
Left In: -35.737+/-0.045 χ^2/NDF:27154.8/22

+ sign -36.589+/-0.037 χ^2/NDF: 52950.8/52

All: -36.406+/-0.026 χ^2/NDF: 100159.1/108

- sign -36.215+/-0.037 χ^2/NDF: 47157.3/55

reg_asym_sam8_diff_bpm4eX_slope vs Slug



Right In: -37.118+/-0.066 χ^2/NDF: 13961.1/27

Left Out: -26.639+/-0.055 χ^2/NDF:50051.9/24

Right Out: -35.918+/-0.059 χ^2/NDF: 19393.4/32

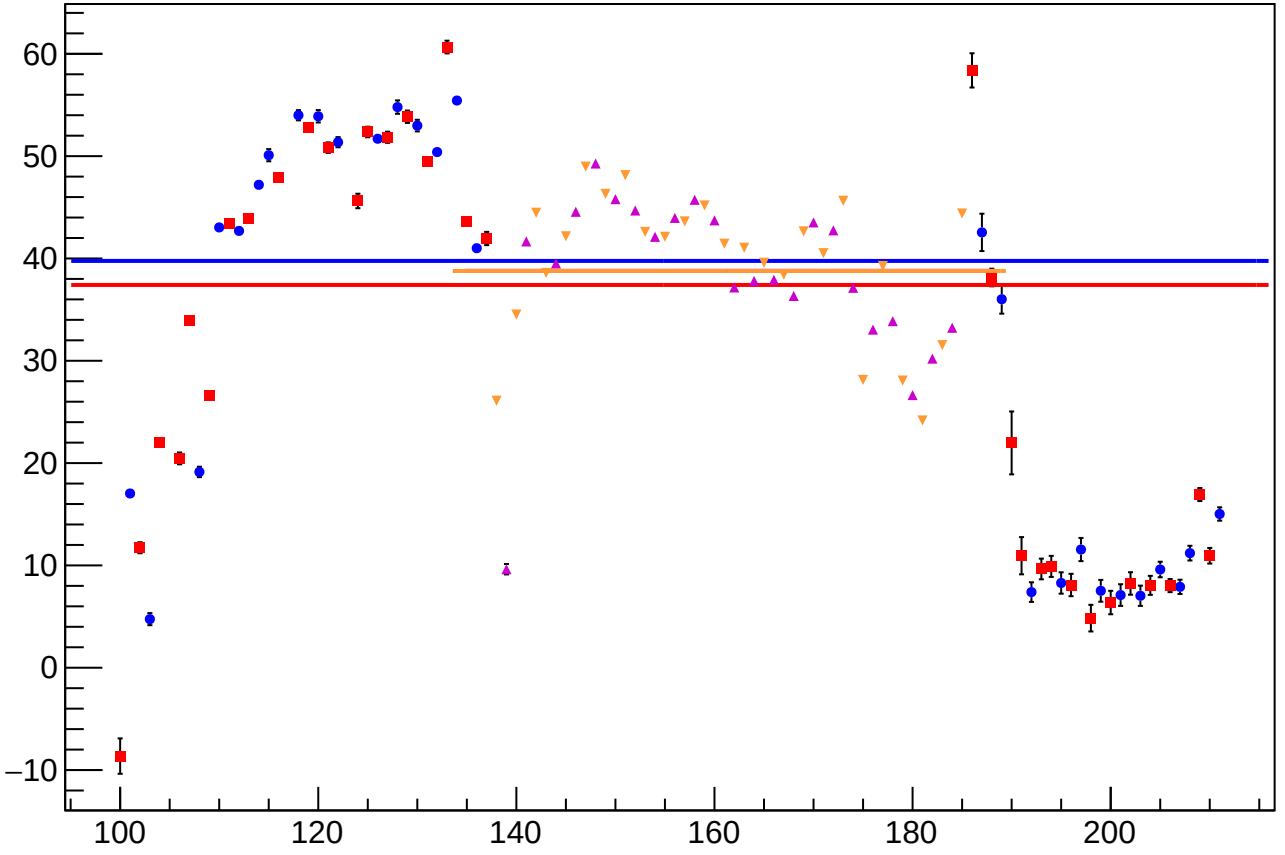
Left In: -27.176+/-0.057 χ^2/NDF:40990.1/22

+ sign -30.865+/-0.042 χ^2/NDF: 78876.7/52

All: -31.148+/-0.029 χ^2/NDF: 150668.3/108

- sign -31.417+/-0.041 χ^2/NDF: 71703.8/55

reg_asym_sam8_diff_bpm4eY_slope vs Slug



Right In: 39.760+/-0.081 χ^2/NDF: 28284.8/27

Left Out: 38.777+/-0.048 χ^2/NDF:21070.6/24

Right Out: 37.410+/-0.075 χ^2/NDF: 28703.2/32

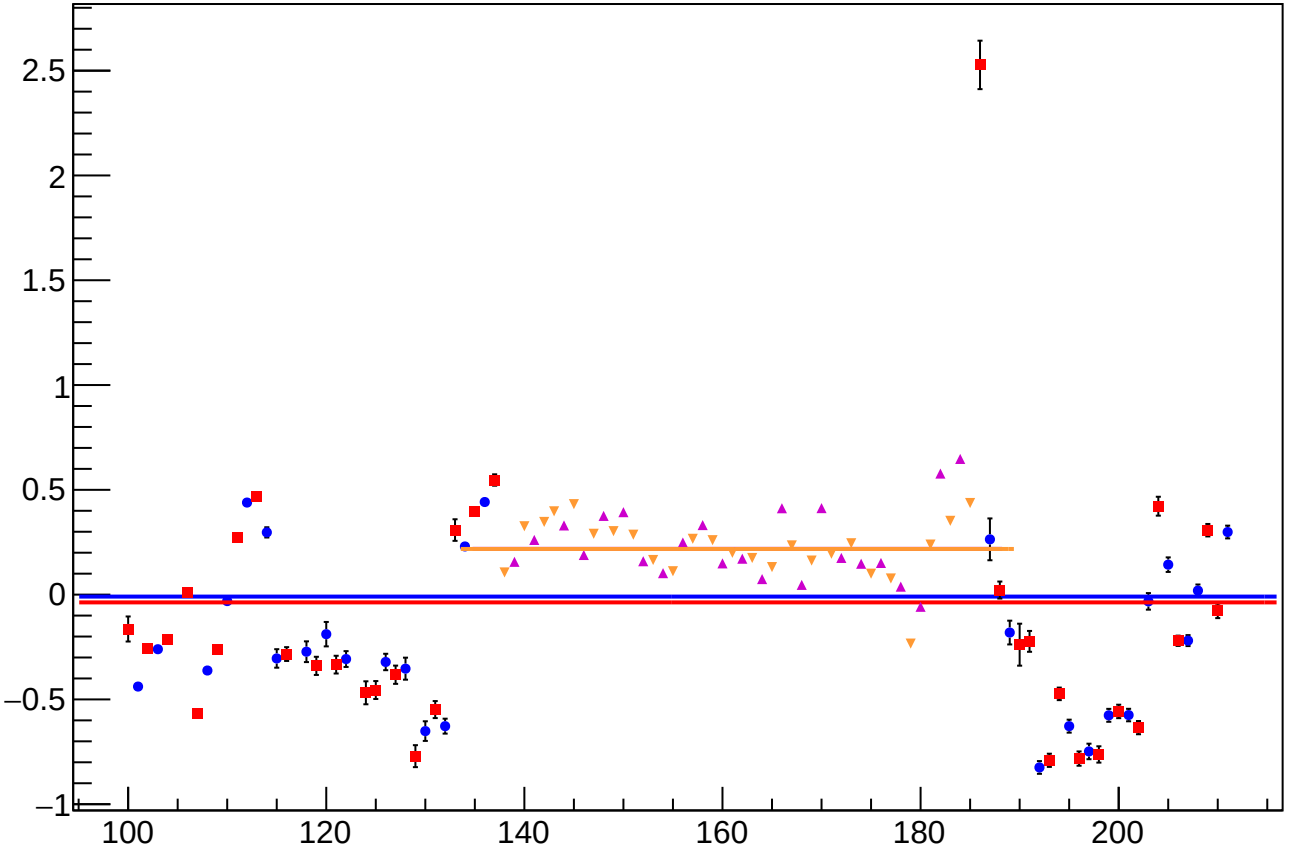
Left In: 38.791+/-0.050 χ^2/NDF:16240.7/22

+ sign 39.031+/-0.041 χ^2/NDF: 49464.7/52

All: 38.702+/-0.029 χ^2/NDF: 94773.8/108

- sign 38.363+/-0.042 χ^2/NDF: 45178.9/55

reg_asym_sam8_diff_bpm12X_slope vs Slug



Right In: -0.009+/-0.004 χ^2/NDF: 8151.2/27

Left Out: 0.218+/-0.002 χ^2/NDF:4075.0/24

Right Out: -0.037+/-0.004 χ^2/NDF: 9625.1/32

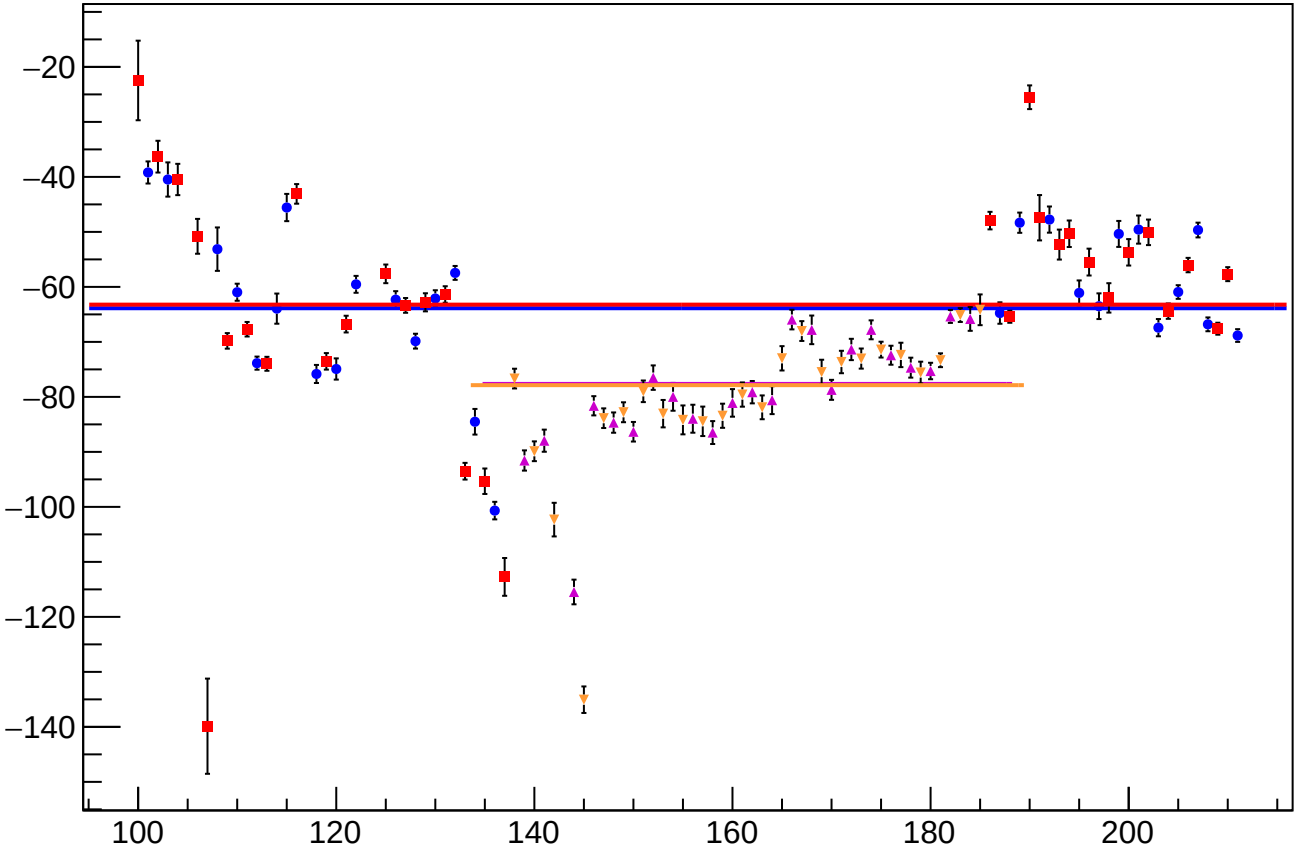
Left In: 0.218+/-0.002 χ^2/NDF:5312.2/22

+ sign 0.173+/-0.002 χ^2/NDF: 14435.3/52

All: 0.165+/-0.001 χ^2/NDF: 32530.8/108

- sign 0.157+/-0.002 χ^2/NDF: 18063.1/55

reg_asym_usl_diff_bpm1X_slope vs Slug



Right In: -63.880+/-0.317 χ^2/NDF: 1424.6/27

Left Out: -77.867+/-0.394 χ^2/NDF:932.3/23

Right Out: -63.225+/-0.305 χ^2/NDF: 1956.8/31

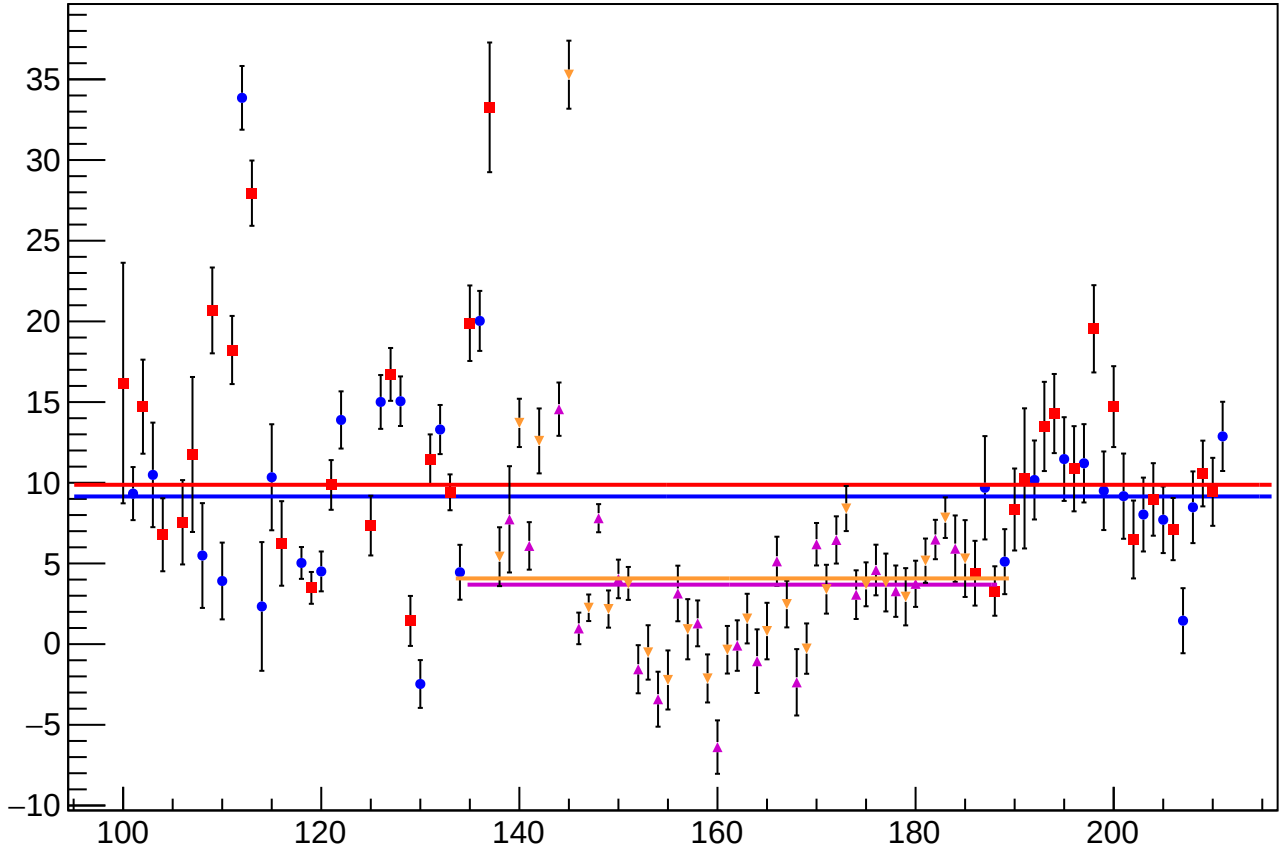
Left In: -77.643+/-0.396 χ^2/NDF:693.3/22

+ sign -69.377+/-0.247 χ^2/NDF: 3121.5/51

All: -68.978+/-0.173 χ^2/NDF: 6606.8/106

- sign -68.595+/-0.242 χ^2/NDF: 3480.2/54

reg_asym_usl_diff_bpm4aY_slope vs Slug



Right In: 9.151+/-0.361 χ^2/NDF: 366.7/27

Left Out: 4.073+/-0.297 χ^2/NDF:370.6/23

Right Out: 9.875+/-0.354 χ^2/NDF: 316.7/31

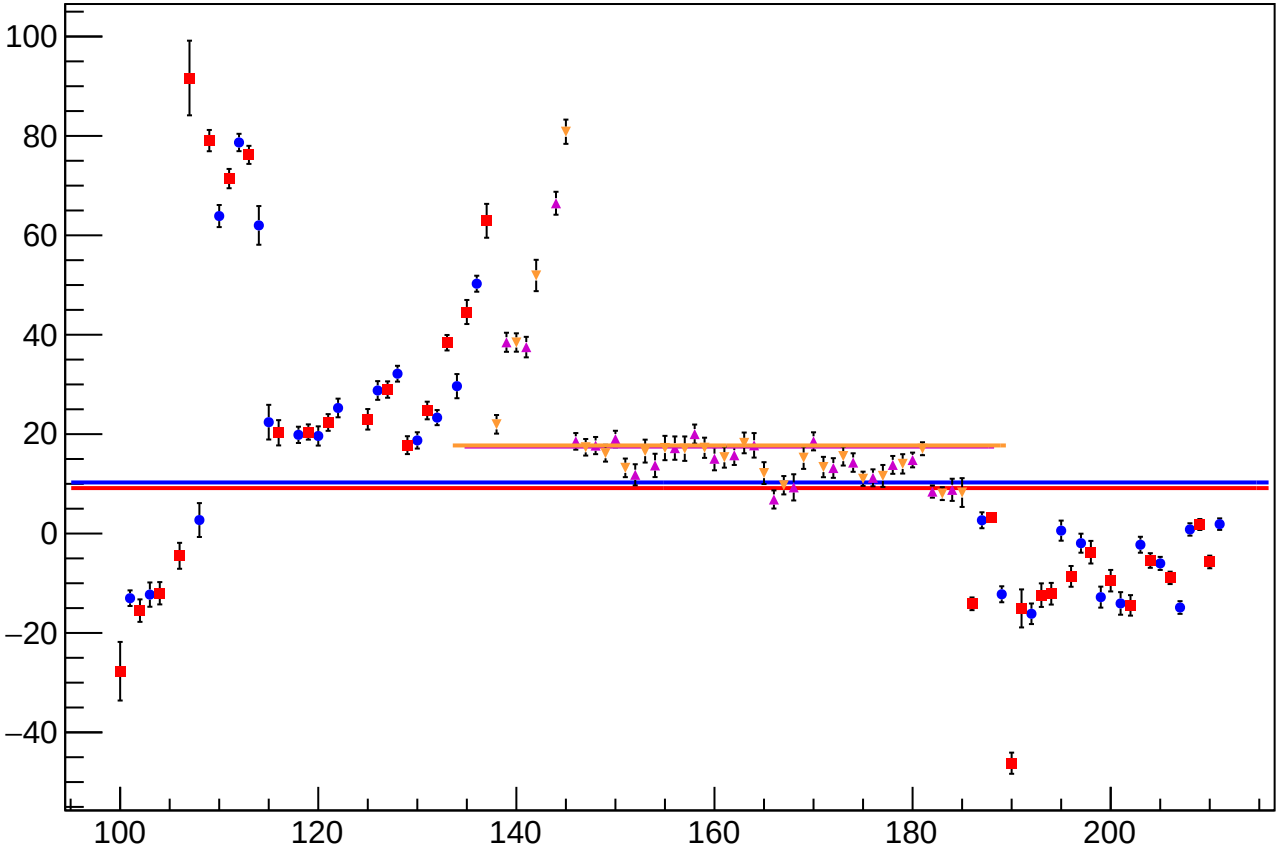
Left In: 3.686+/-0.302 χ^2/NDF:182.6/22

\+ sign 6.123+/-0.229 χ^2/NDF: 855.5/51

All: 6.208+/-0.162 χ^2/NDF: 1532.3/106

\- sign 6.293+/-0.230 χ^2/NDF: 676.5/54

reg_asym_usl_diff_bpm4eX_slope vs Slug



Right In: 10.280+/-0.329 χ^2/NDF: 5194.4/27

Left Out: 17.723+/-0.391 χ^2/NDF:1058.3/23

Right Out: 9.144+/-0.313 χ^2/NDF: 7161.4/31

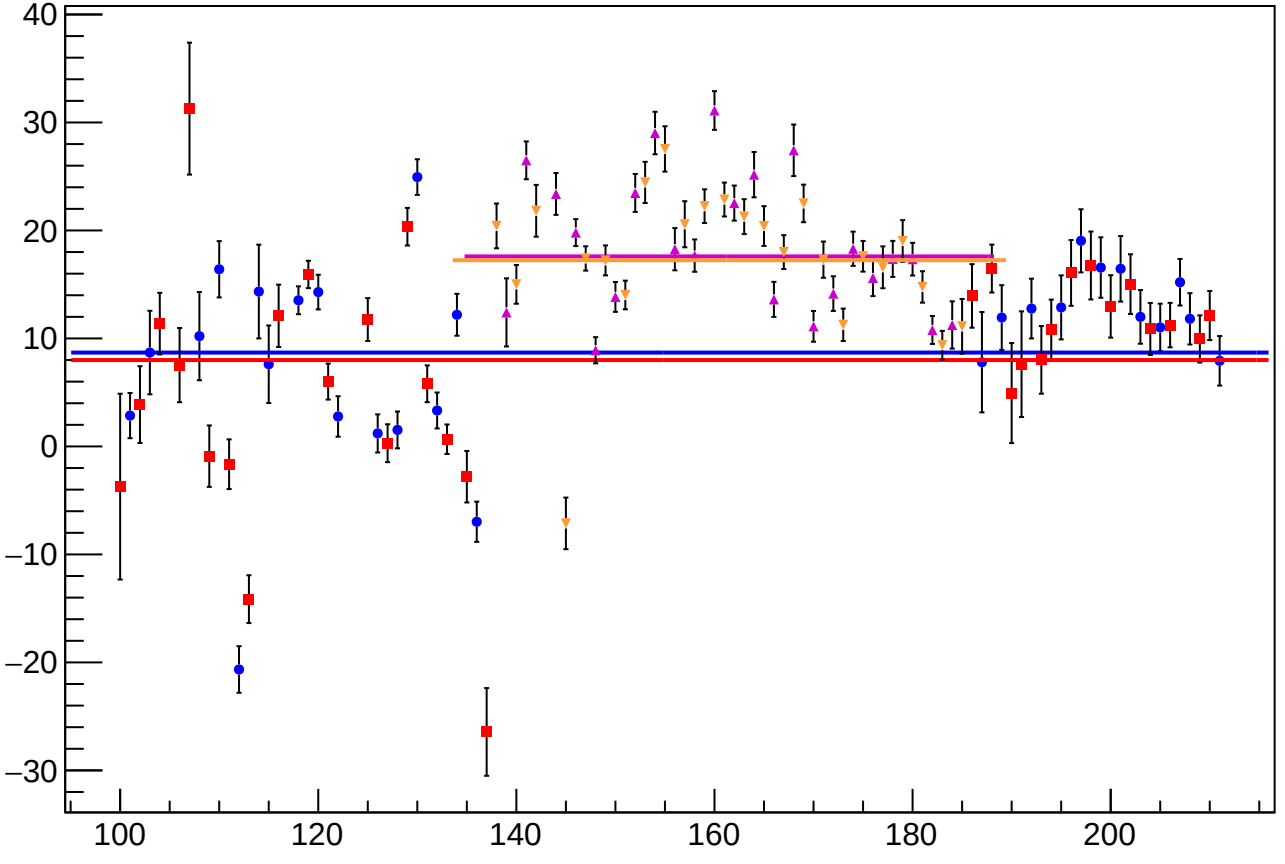
Left In: 17.491+/-0.393 χ^2/NDF:820.7/22

+ sign 13.370+/-0.252 χ^2/NDF: 6464.5/51

All: 12.865+/-0.176 χ^2/NDF: 14730.6/106

- sign 12.388+/-0.245 χ^2/NDF: 8258.2/54

reg_asym_usl_diff_bpm4eY_slope vs Slug



Right In: 8.693+/-0.416 χ^2/NDF: 503.3/27

Left Out: 17.245+/-0.338 χ^2/NDF:260.8/23

Right Out: 7.999+/-0.412 χ^2/NDF: 437.5/31

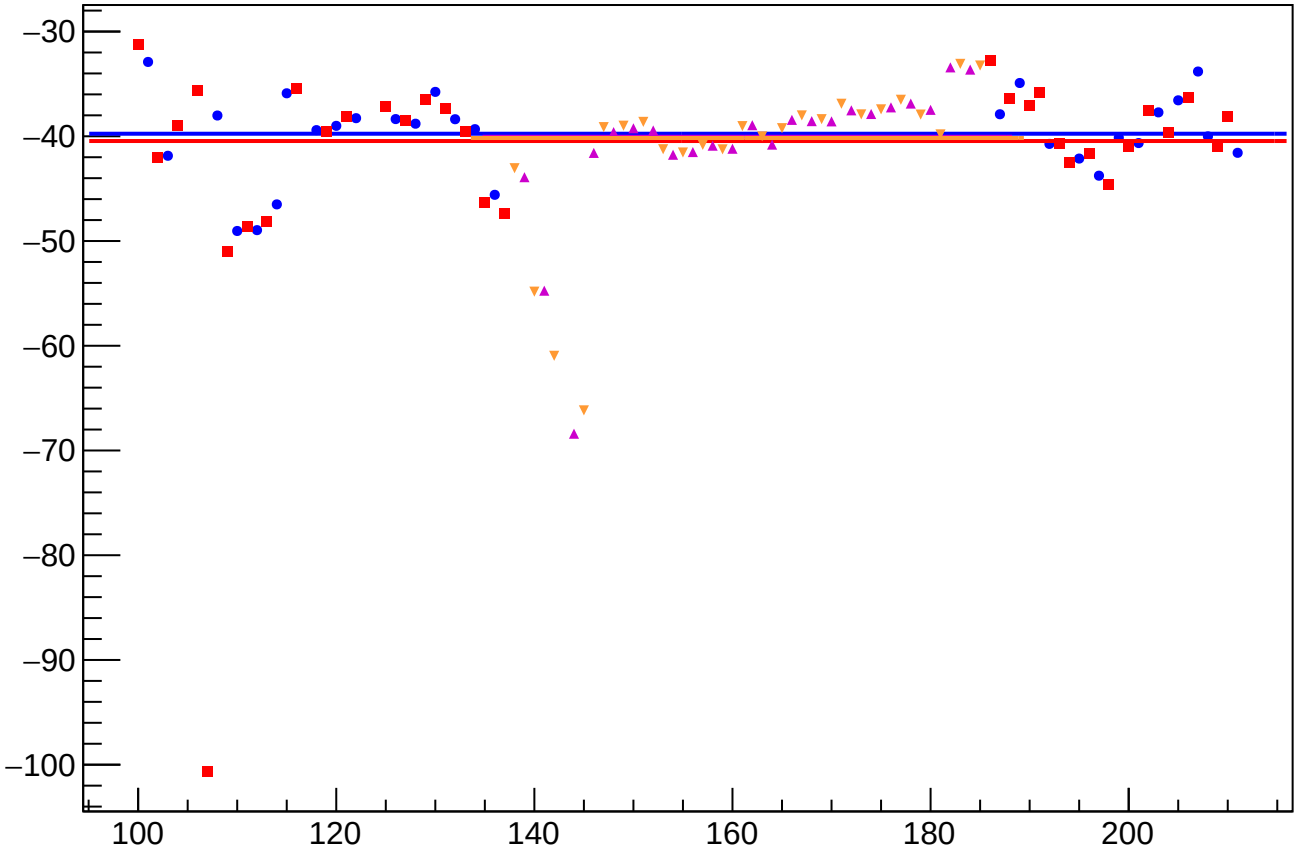
Left In: 17.597+/-0.342 χ^2/NDF:309.7/22

+ sign 13.843+/-0.262 χ^2/NDF: 1018.6/51

All: 13.763+/-0.186 χ^2/NDF: 2086.8/106

- sign 13.682+/-0.263 χ^2/NDF: 1068.0/54

reg_asym_usl_diff_bpm12X_slope vs Slug



Right In: -39.756+/-0.021 χ^2/NDF: 32586.7/27

Left Out: -40.165+/-0.015 χ^2/NDF:163335.9/23

Right Out: -40.452+/-0.020 χ^2/NDF: 73132.1/31

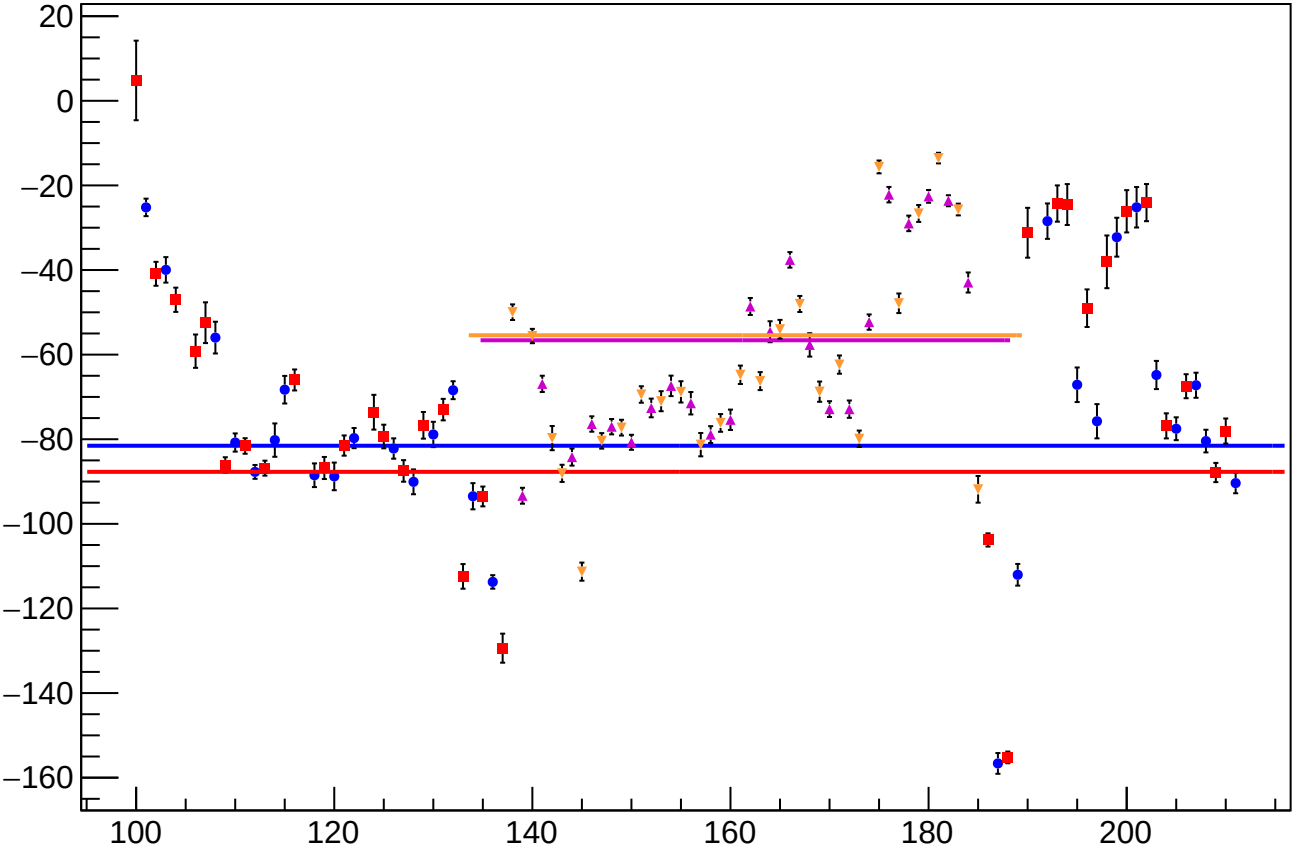
Left In: -40.050+/-0.015 χ^2/NDF:136438.5/22

+ sign -40.019+/-0.012 χ^2/NDF: 196171.2/51

All: -40.109+/-0.009 χ^2/NDF: 406094.2/106

- sign -40.196+/-0.012 χ^2/NDF: 209820.0/54

reg_asym_usr_diff_bpm1X_slope vs Slug



Right In: -81.538+/-0.505 χ^2/NDF: 3060.6/27

Left Out: -55.424+/-0.393 χ^2/NDF:4525.3/24

Right Out: -87.705+/-0.471 χ^2/NDF: 4612.9/31

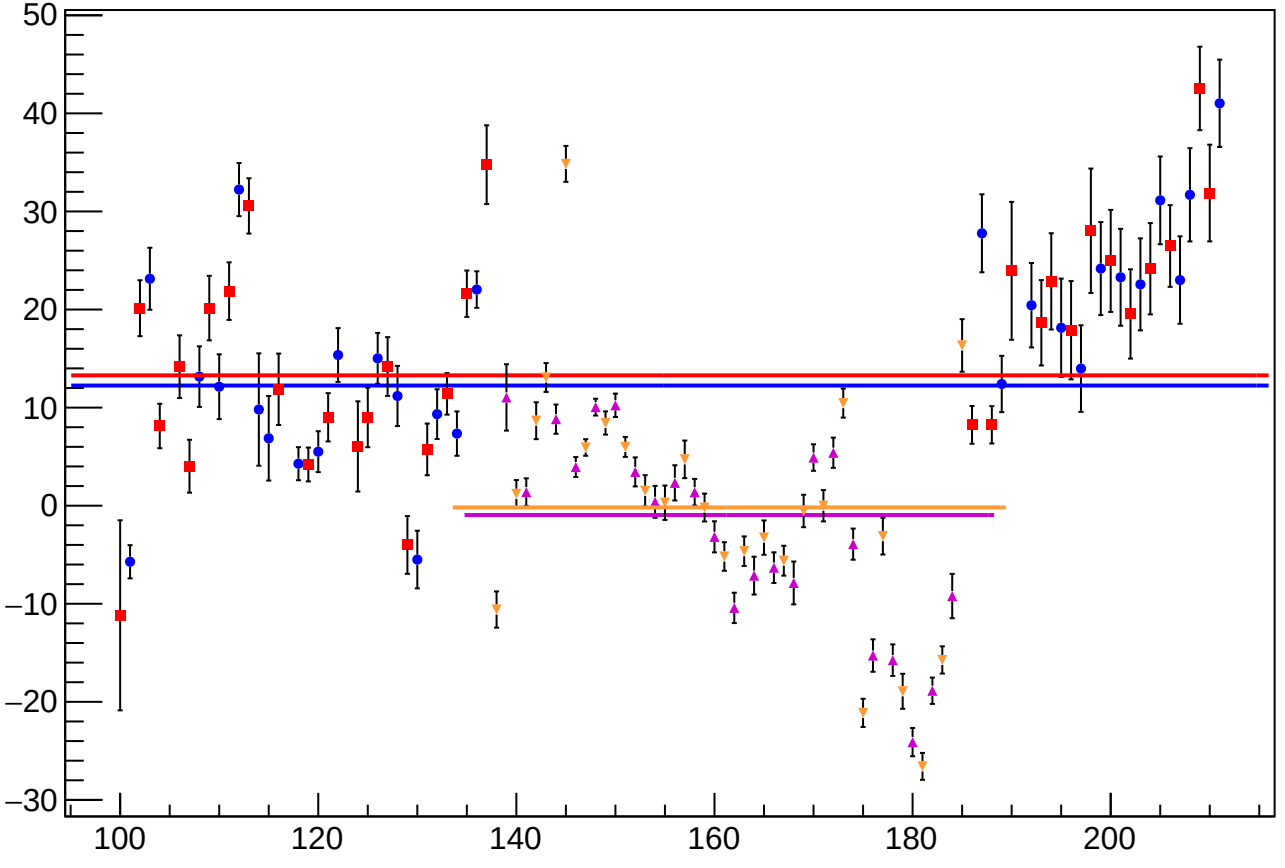
Left In: -56.609+/-0.404 χ^2/NDF:3350.3/22

+ sign -65.280+/-0.310 χ^2/NDF: 9249.8/52

All: -67.564+/-0.218 χ^2/NDF: 19834.6/107

- sign -69.791+/-0.306 χ^2/NDF: 10477.8/54

reg_asym_usr_diff_bpm4aY_slope vs Slug



Right In: 12.249+/-0.555 χ^2/NDF: 404.7/27

Left Out: -0.179+/-0.294 χ^2/NDF:1598.6/24

Right Out: 13.288+/-0.536 χ^2/NDF: 311.3/31

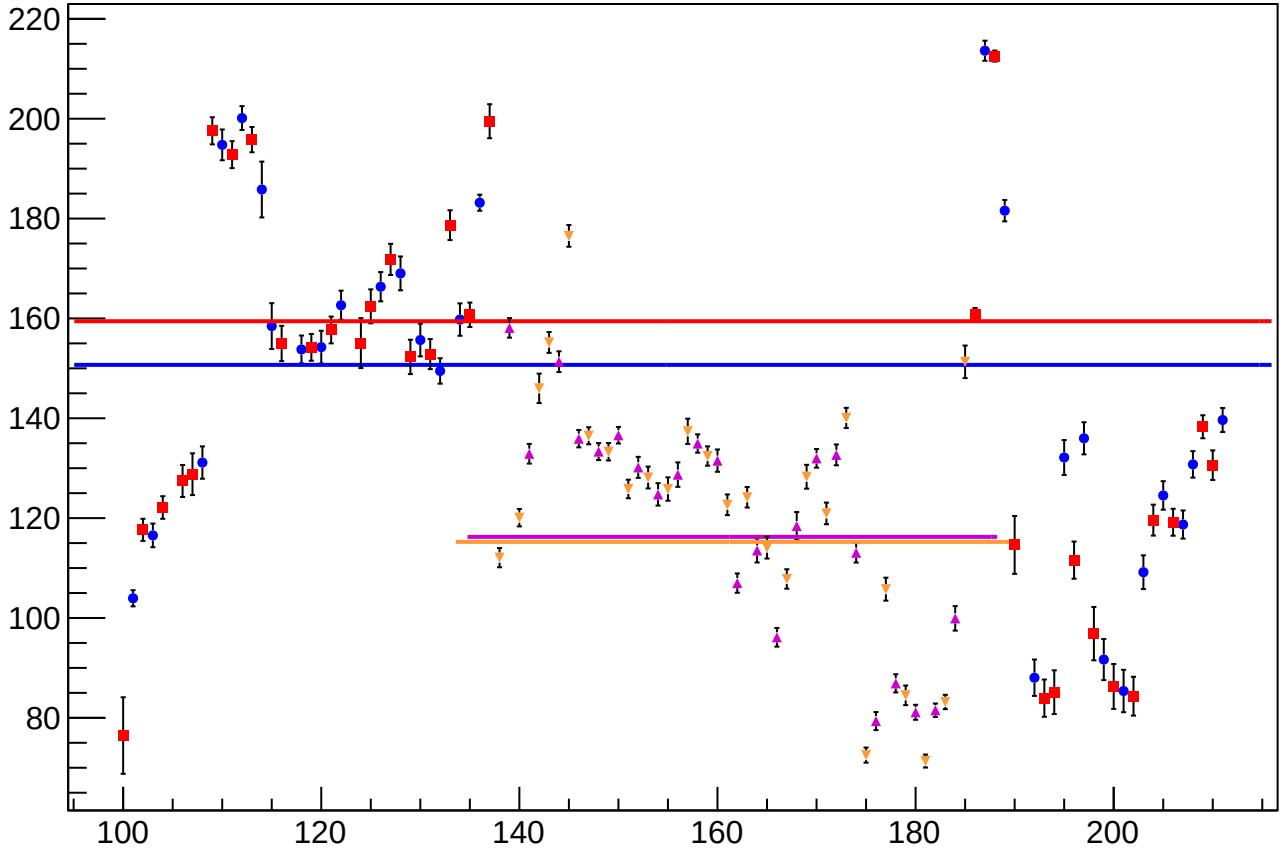
Left In: -0.952+/-0.304 χ^2/NDF:1069.6/22

+ sign 2.546+/-0.260 χ^2/NDF: 2394.8/52

All: 2.529+/-0.185 χ^2/NDF: 4309.1/107

- sign 2.511+/-0.265 χ^2/NDF: 1914.3/54

reg_asym_usr_diff_bpm4eX_slope vs Slug



Right In: 150.694+/-0.515 χ^2/NDF: 4655.8/27

Left Out: 115.243+/-0.390 χ^2/NDF:4836.5/24

Right Out: 159.438+/-0.470 χ^2/NDF: 6222.2/31

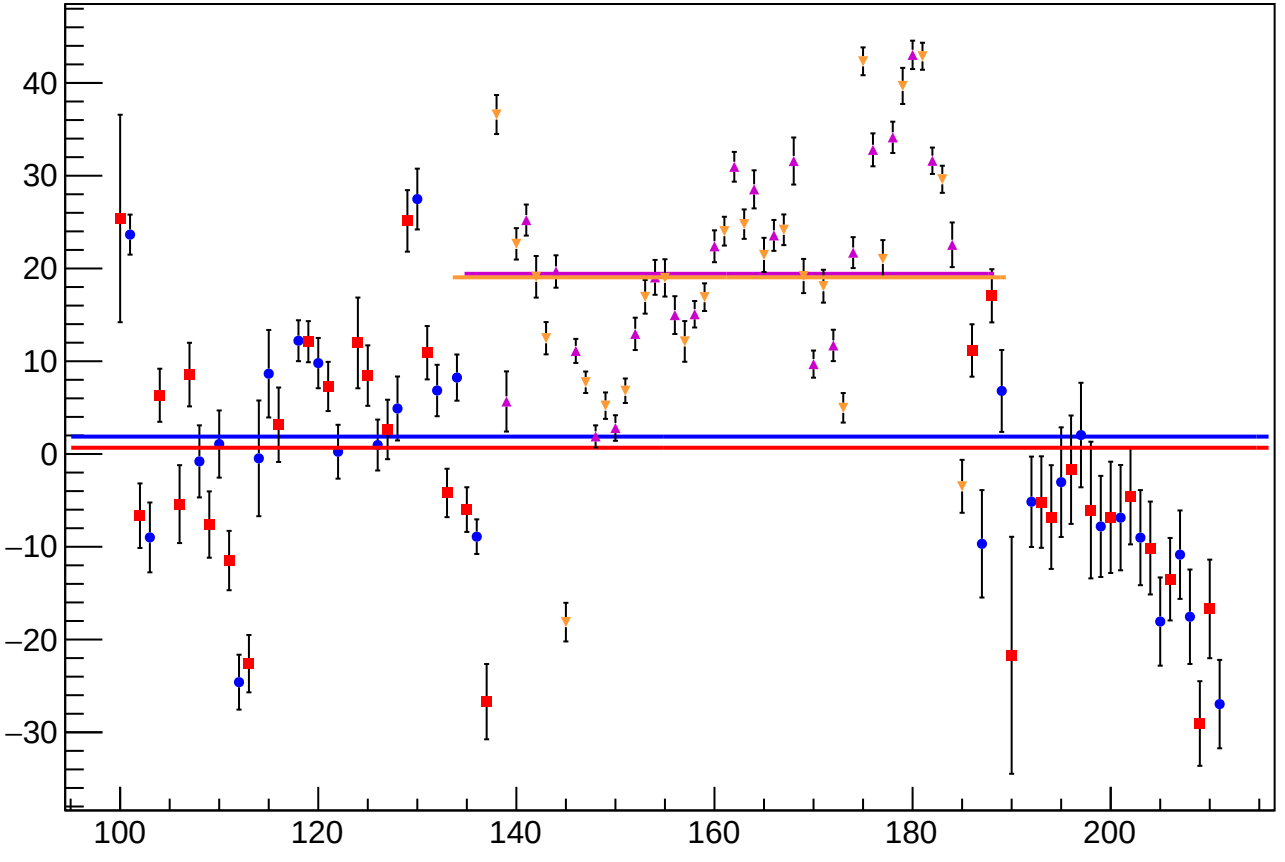
Left In: 116.246+/-0.399 χ^2/NDF:3637.3/22

+ sign 128.173+/-0.311 χ^2/NDF: 12500.6/52

All: 131.321+/-0.218 χ^2/NDF: 27463.4/107

- sign 134.332+/-0.304 χ^2/NDF: 14762.4/54

reg_asym_usr_diff_bpm4eY_slope vs Slug



Right In: 1.877+/-0.643 χ^2/NDF: 422.7/27

Left Out: 19.046+/-0.336 χ^2/NDF:1545.8/24

Right Out: 0.676+/-0.635 χ^2/NDF: 389.8/31

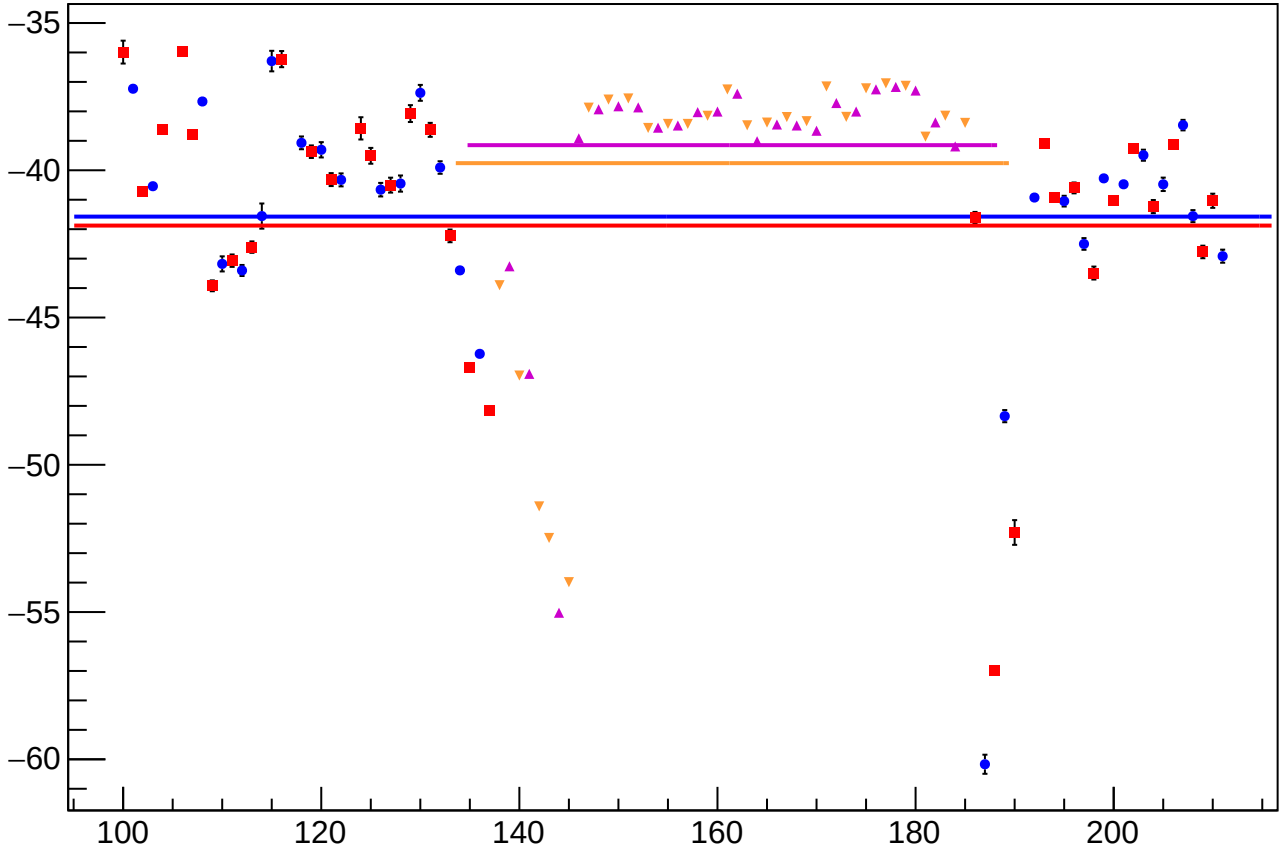
Left In: 19.425+/-0.346 χ^2/NDF:1077.2/22

+ sign 15.361+/-0.298 χ^2/NDF: 2528.5/52

All: 15.251+/-0.213 χ^2/NDF: 4668.5/107

- sign 15.137+/-0.304 χ^2/NDF: 2139.7/54

reg_asym_usr_diff_bpm12X_slope vs Slug



Right In: -41.573+/-0.031 χ^2/NDF: 12927.3/27

Left Out: -39.758+/-0.015 χ^2/NDF:81865.0/24

Right Out: -41.878+/-0.031 χ^2/NDF: 19762.3/31

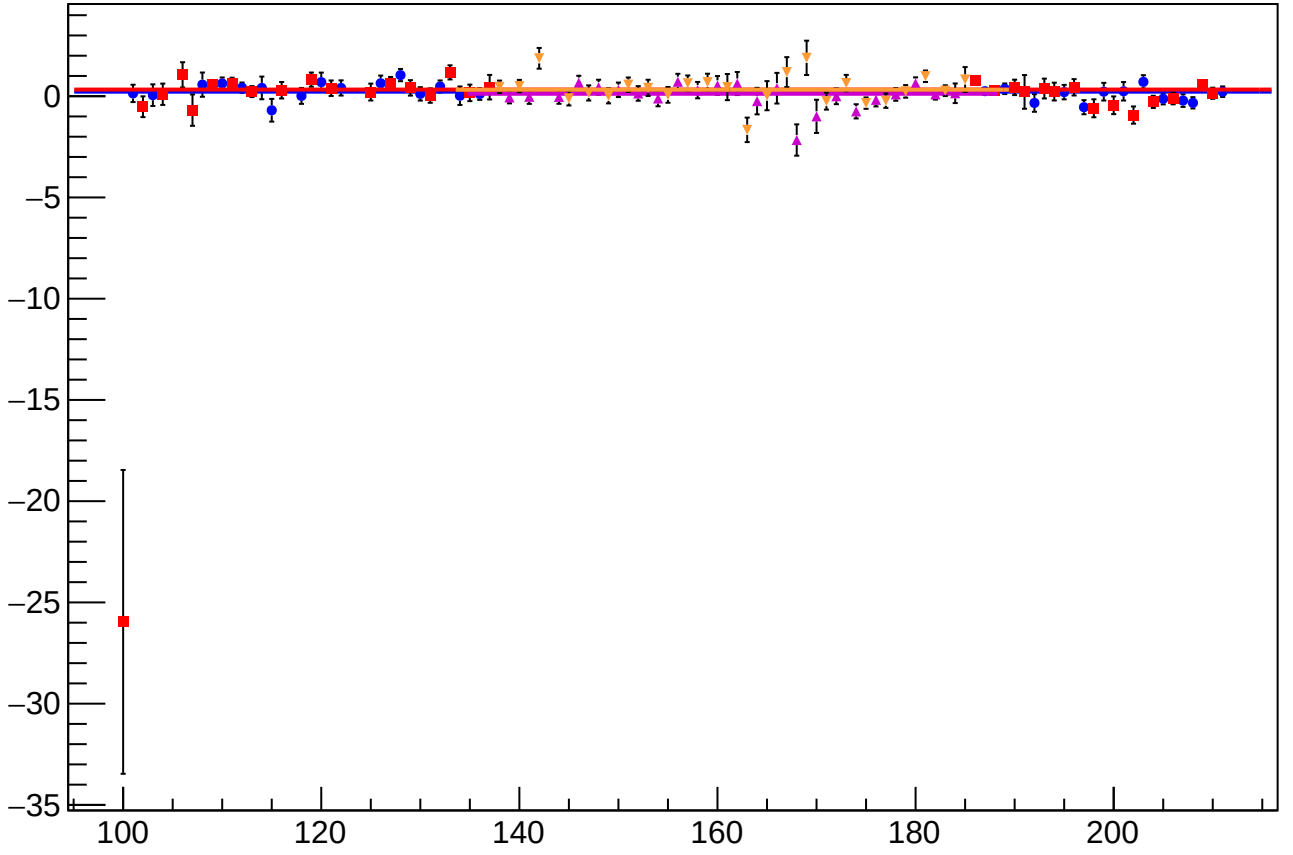
Left In: -39.147+/-0.016 χ^2/NDF:46907.5/22

+ sign -40.113+/-0.014 χ^2/NDF: 97498.4/52

All: -39.903+/-0.010 χ^2/NDF: 170709.8/107

- sign -39.690+/-0.014 χ^2/NDF: 72747.2/54

reg_asym_dsl_diff_bpm1X_slope vs Slug



Right In: 0.225+/-0.064 χ^2/NDF: 33.4/27

Left Out: 0.321+/-0.078 χ^2/NDF:46.9/23

Right Out: 0.328+/-0.057 χ^2/NDF: 61.5/31

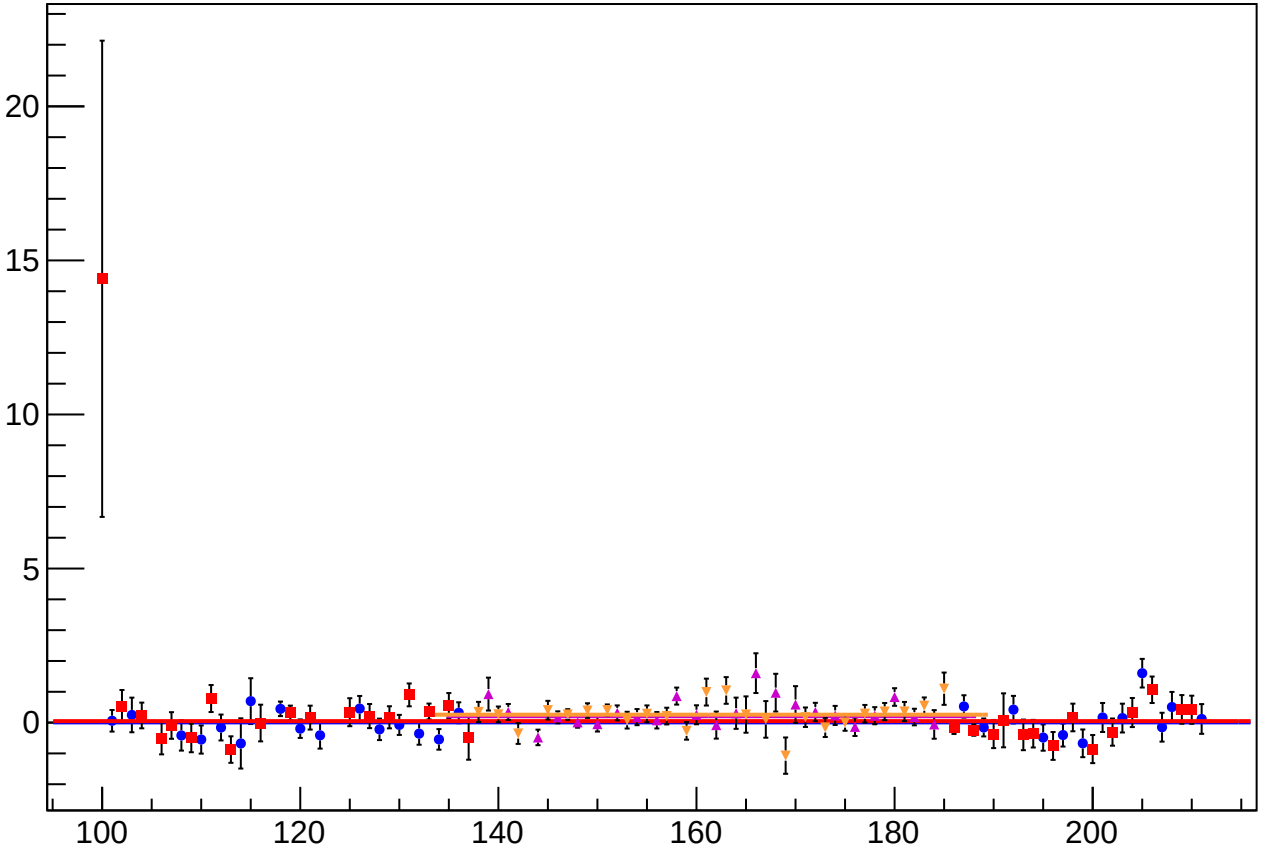
Left In: 0.120+/-0.079 χ^2/NDF:30.0/22

+ sign 0.263+/-0.050 χ^2/NDF: 81.2/51

All: 0.260+/-0.034 χ^2/NDF: 177.2/106

- sign 0.257+/-0.046 χ^2/NDF: 96.0/54

reg_asym_dsl_diff_bpm4aY_slope vs Slug



Right In: 0.007+/-0.074 χ^2/NDF: 36.5/27

Left Out: 0.257+/-0.059 χ^2/NDF:26.5/23

Right Out: 0.048+/-0.068 χ^2/NDF: 46.4/31

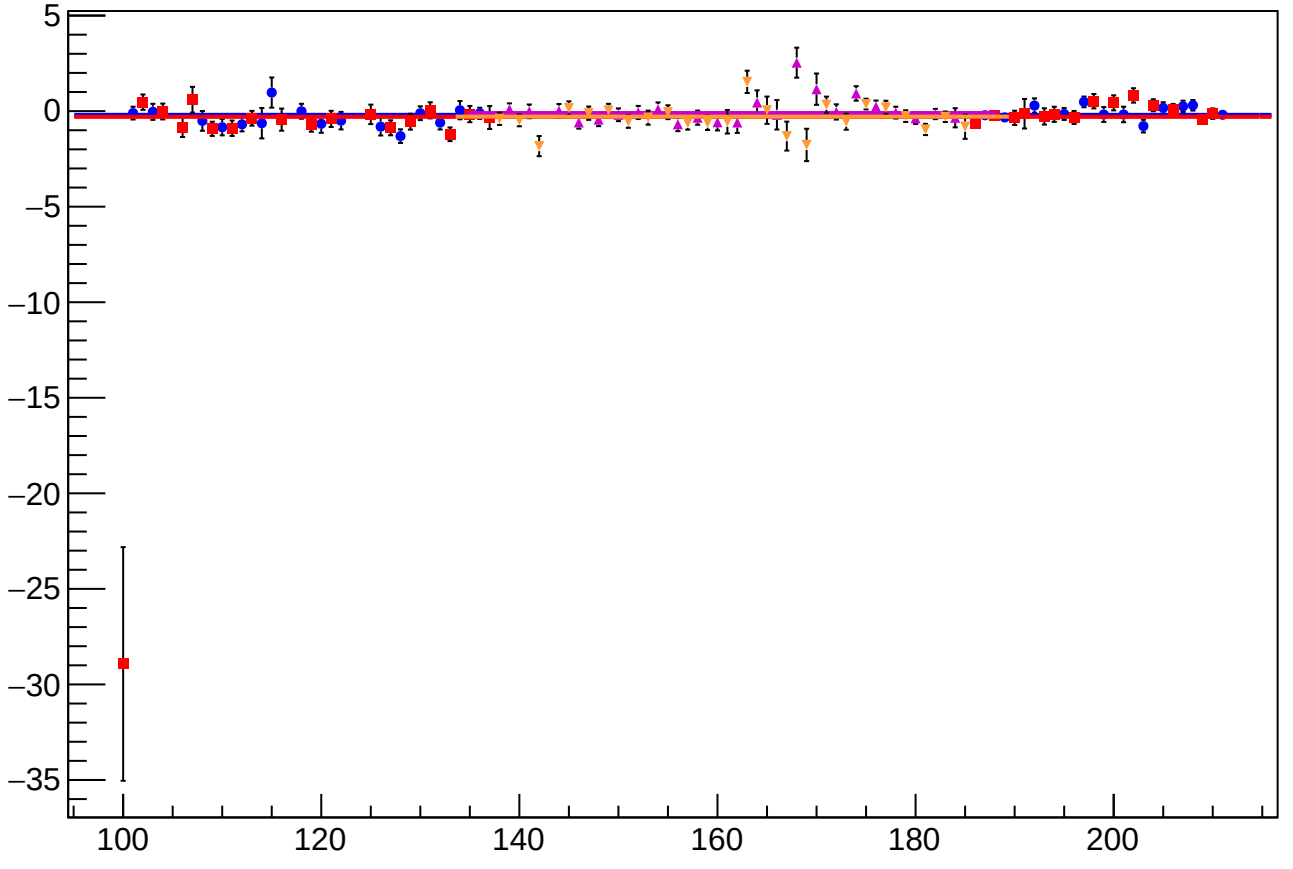
Left In: 0.207+/-0.060 χ^2/NDF:31.9/22

+ sign 0.160+/-0.046 χ^2/NDF: 70.0/51

All: 0.148+/-0.032 χ^2/NDF: 151.5/106

- sign 0.137+/-0.045 χ^2/NDF: 81.4/54

reg_asym_dsl_diff_bpm4eX_slope vs Slug



Right In: -0.194+/-0.064 χ^2/NDF: 40.1/27

Left Out: -0.286+/-0.077 χ^2/NDF:45.0/23

Right Out: -0.300+/-0.054 χ^2/NDF: 75.5/31

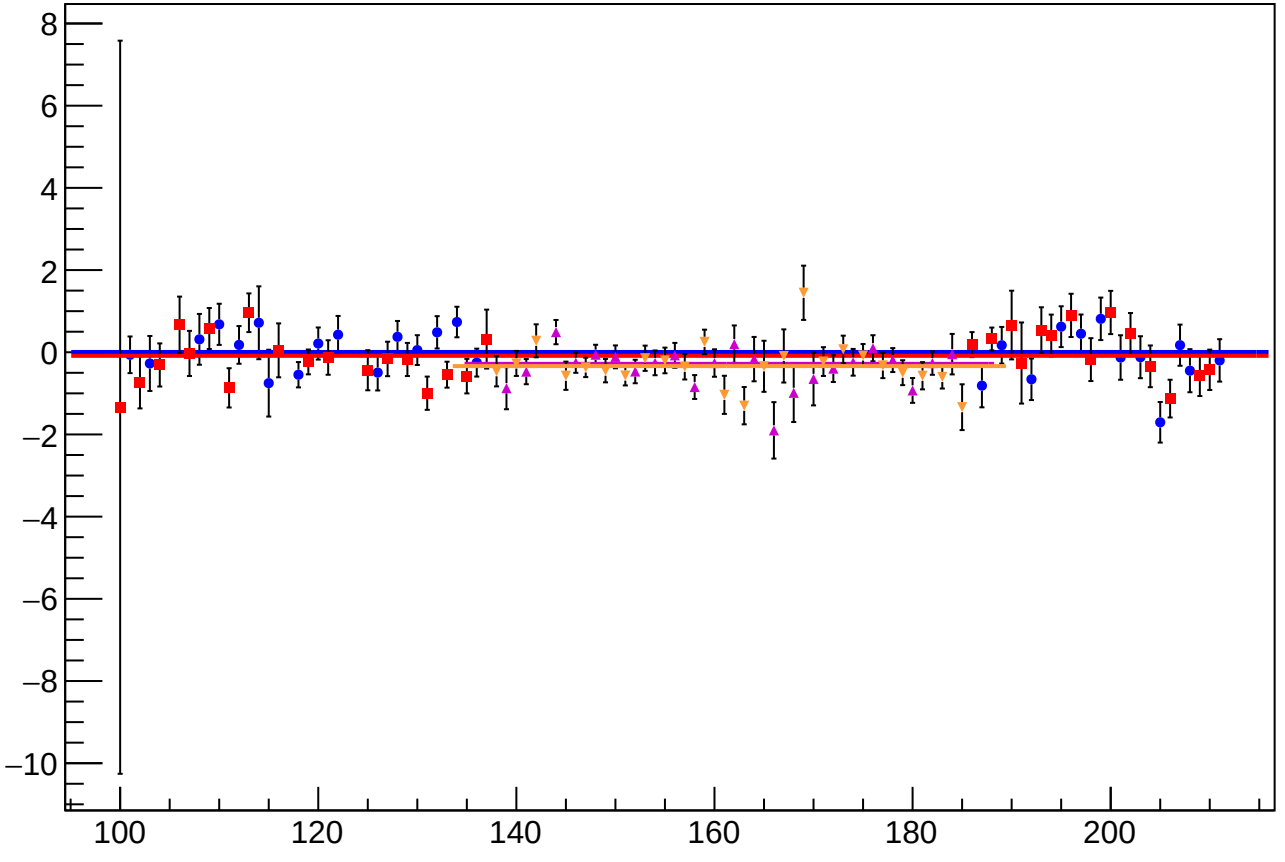
Left In: -0.100+/-0.078 χ^2/NDF:33.2/22

+ sign -0.231+/-0.049 χ^2/NDF: 86.0/51

All: -0.233+/-0.033 χ^2/NDF: 199.1/106

- sign -0.235+/-0.045 χ^2/NDF: 113.1/54

reg_asym_dsl_diff_bpm4eY_slope vs Slug



Right In: 0.007+/-0.087 χ^2/NDF: 38.7/27

Left Out: -0.337+/-0.068 χ^2/NDF:30.1/23

Right Out: -0.087+/-0.082 χ^2/NDF: 43.0/31

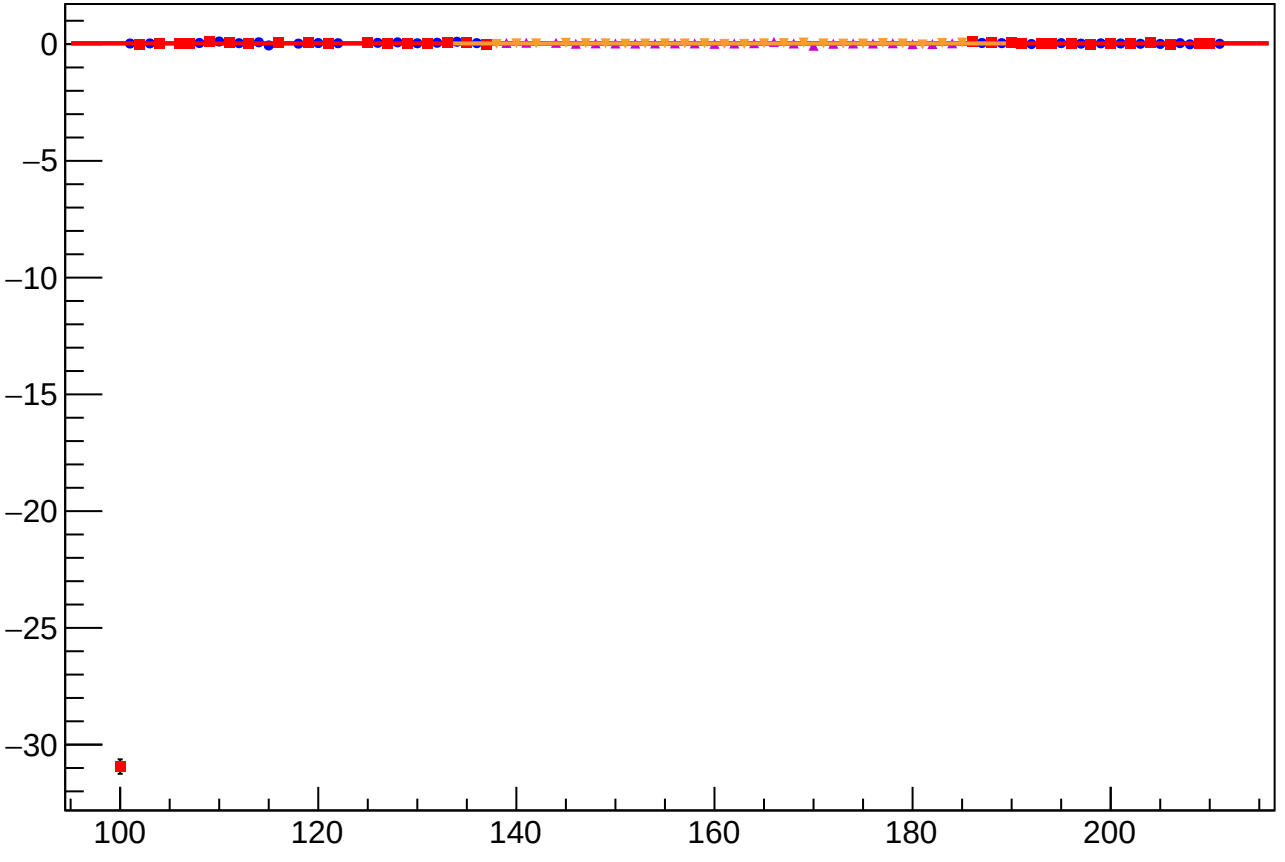
Left In: -0.282+/-0.069 χ^2/NDF:29.0/22

+ sign -0.206+/-0.054 χ^2/NDF: 78.6/51

All: -0.204+/-0.038 χ^2/NDF: 153.9/106

- sign -0.201+/-0.053 χ^2/NDF: 75.3/54

reg_asym_dsl_diff_bpm12X_slope vs Slug



Right In: 0.034+/-0.004 χ^2/NDF: 36.8/27

Left Out: 0.028+/-0.003 χ^2/NDF:27.6/23

Right Out: 0.031+/-0.004 χ^2/NDF: 10055.0/31

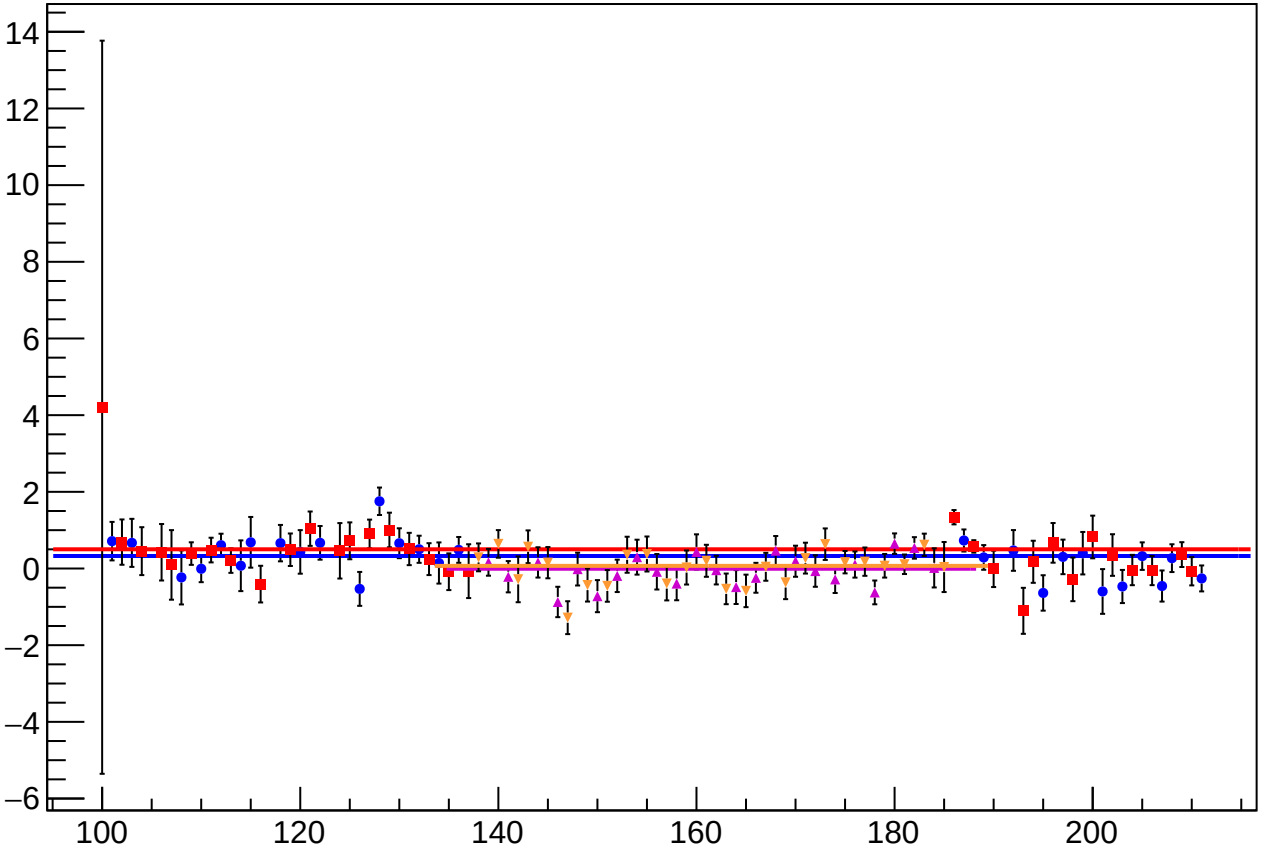
Left In: 0.029+/-0.003 χ^2/NDF:38.9/22

+ sign 0.030+/-0.002 χ^2/NDF: 66.0/51

All: 0.030+/-0.002 χ^2/NDF: 10160.0/106

- sign 0.030+/-0.002 χ^2/NDF: 10094.0/54

reg_asym_dsr_diff_bpm1X_slope vs Slug



Right In: 0.326+/-0.079 χ^2/NDF: 45.0/27

Left Out: 0.069+/-0.077 χ^2/NDF:31.1/24

Right Out: 0.501+/-0.069 χ^2/NDF: 49.6/31

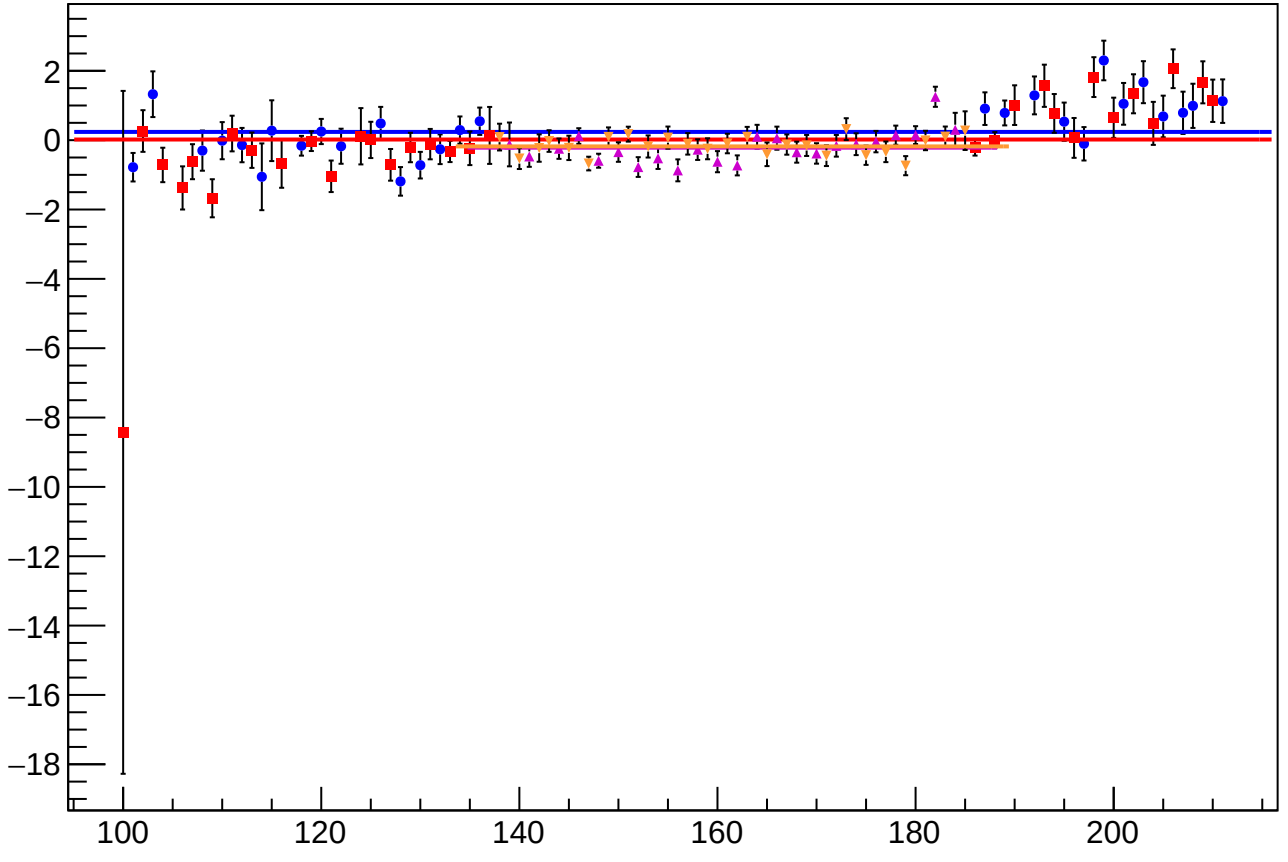
Left In: -0.006+/-0.079 χ^2/NDF:28.5/22

\+ sign 0.195+/-0.055 χ^2/NDF: 81.6/52

All: 0.242+/-0.038 χ^2/NDF: 184.4/107

\- sign 0.284+/-0.052 χ^2/NDF: 101.4/54

reg_asym_dsr_diff_bpm4aY_slope vs Slug



Right In: 0.238+/-0.090 χ^2/NDF: 69.5/27

Left Out: -0.180+/-0.059 χ^2/NDF:24.7/24

Right Out: 0.019+/-0.081 χ^2/NDF: 84.2/31

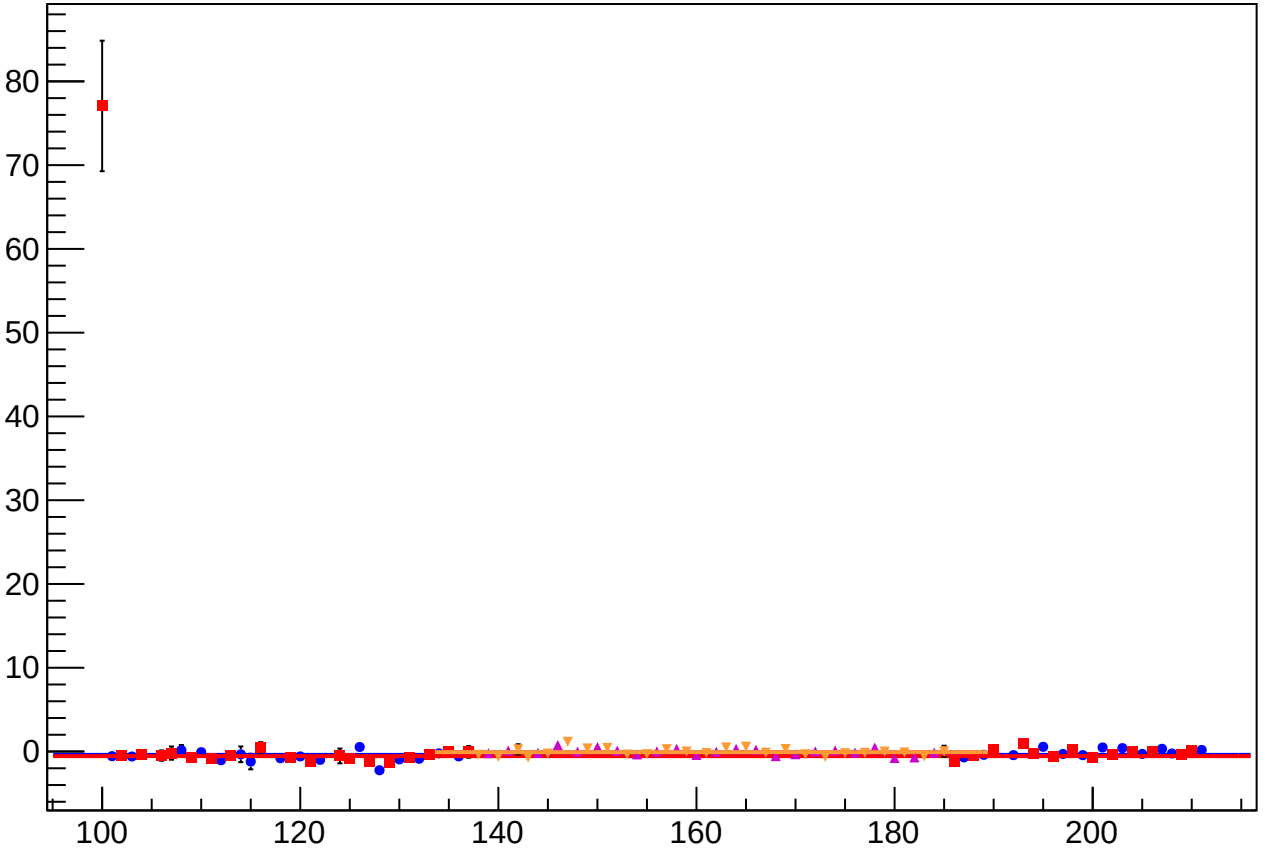
Left In: -0.216+/-0.062 χ^2/NDF:53.6/22

+ sign -0.055+/-0.049 χ^2/NDF: 109.2/52

All: -0.093+/-0.035 χ^2/NDF: 253.5/107

- sign -0.130+/-0.049 χ^2/NDF: 143.0/54

reg_asym_dsr_diff_bpm4eX_slope vs Slug



Right In: -0.403+/-0.079 χ^2/NDF: 52.0/27

Left Out: -0.077+/-0.077 χ^2/NDF:30.0/24

Right Out: -0.551+/-0.066 χ^2/NDF: 149.0/31

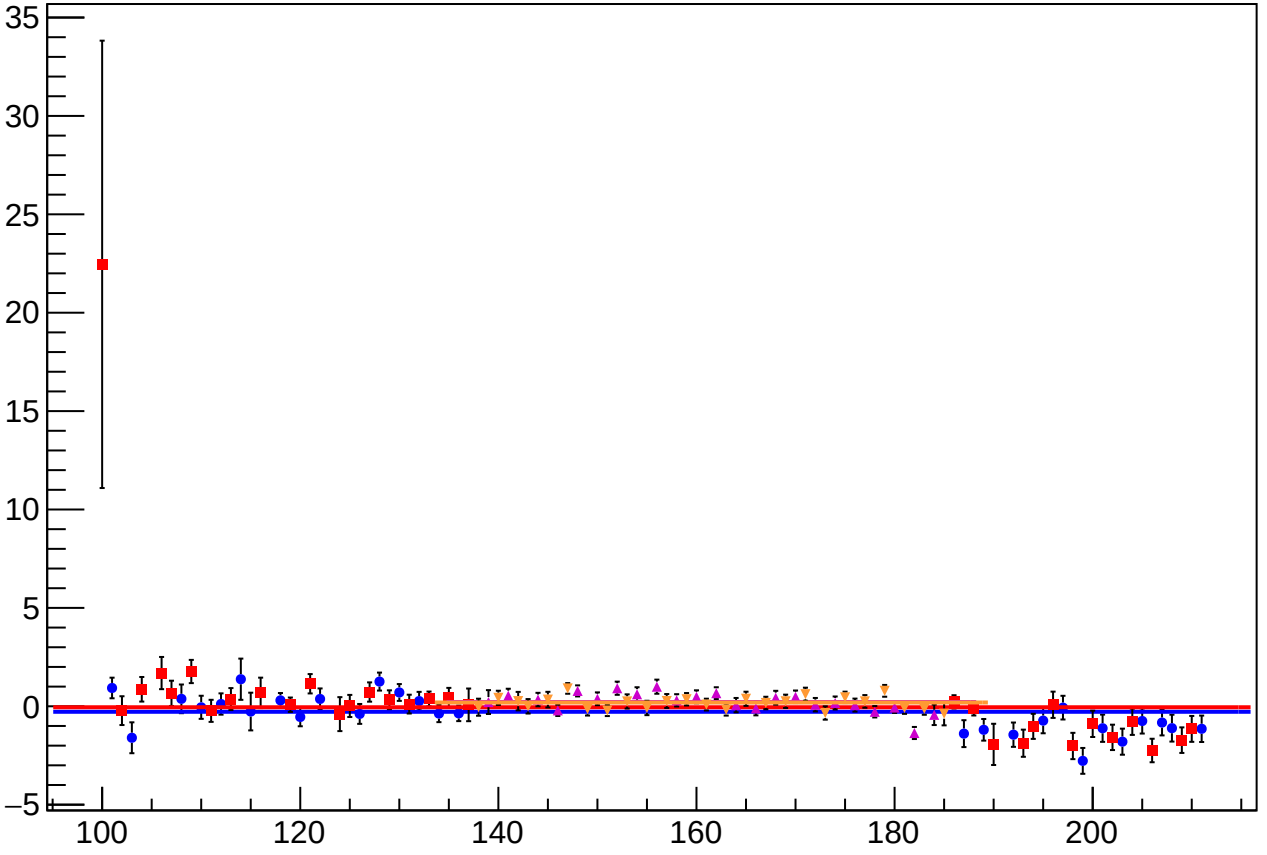
Left In: -0.075+/-0.079 χ^2/NDF:28.3/22

+ sign -0.236+/-0.055 χ^2/NDF: 90.8/52

All: -0.301+/-0.037 χ^2/NDF: 292.1/107

- sign -0.355+/-0.050 χ^2/NDF: 198.8/54

reg_asym_dsr_diff_bpm4eY_slope vs Slug



Right In: -0.279+/-0.105 χ^2/NDF: 69.5/27

Left Out: 0.193+/-0.067 χ^2/NDF:25.9/24

Right Out: -0.049+/-0.099 χ^2/NDF: 88.0/31

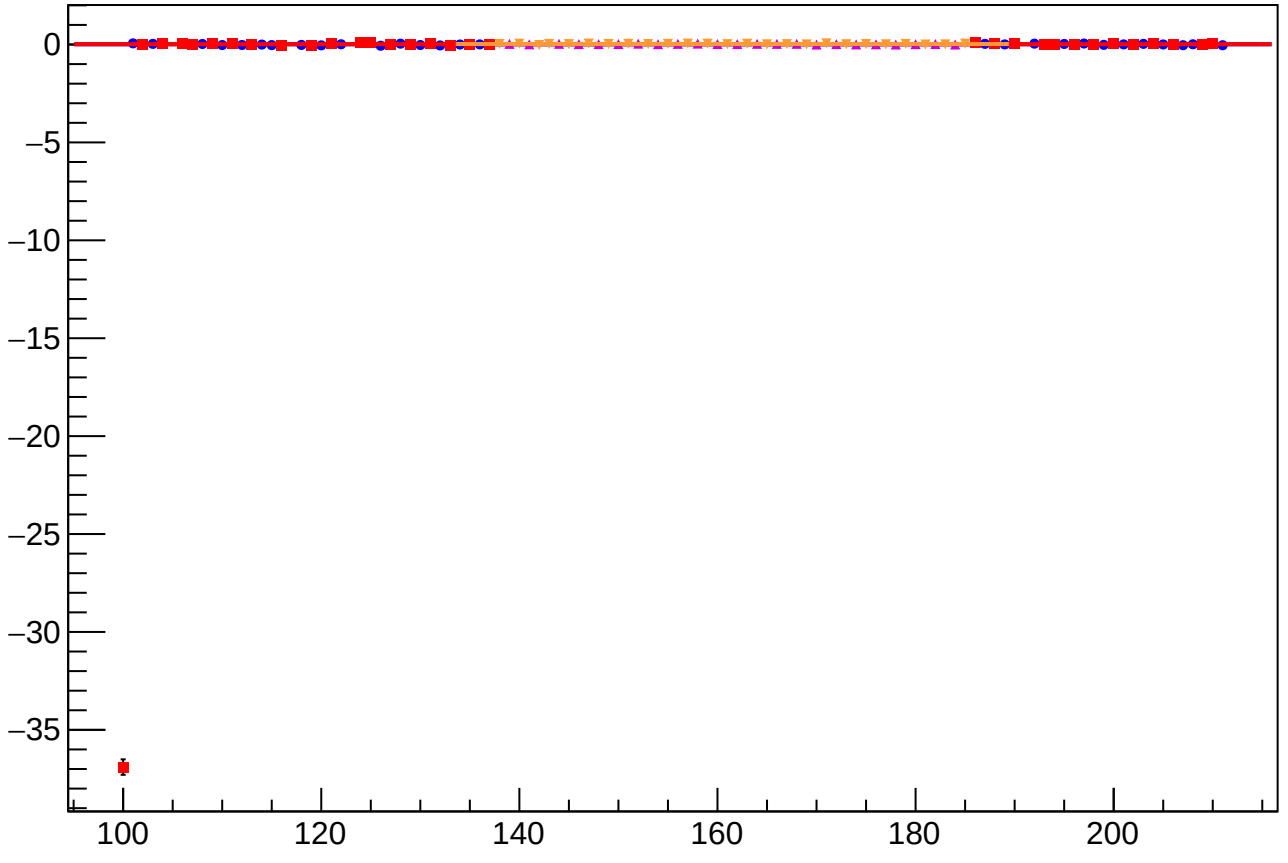
Left In: 0.215+/-0.069 χ^2/NDF:55.1/22

+ sign 0.057+/-0.056 χ^2/NDF: 109.8/52

All: 0.093+/-0.040 χ^2/NDF: 258.5/107

- sign 0.128+/-0.057 χ^2/NDF: 147.9/54

reg_asym_dsr_diff_bpm12X_slope vs Slug



Right In: 0.010+/-0.005 χ^2/NDF: 34.8/27

Left Out: 0.024+/-0.003 χ^2/NDF:30.2/24

Right Out: 0.015+/-0.005 χ^2/NDF: 8781.8/31

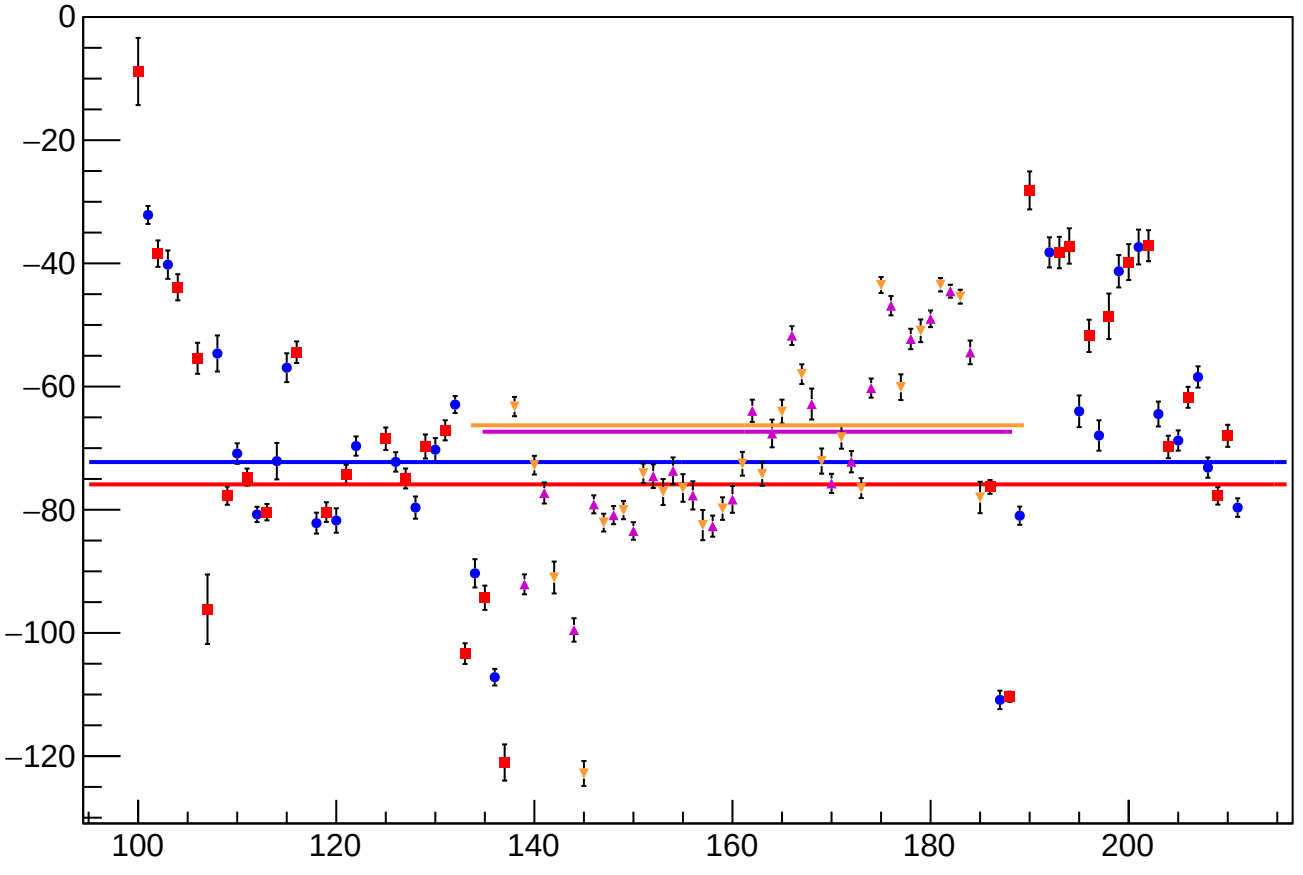
Left In: 0.024+/-0.003 χ^2/NDF:18.0/22

+ sign 0.020+/-0.003 χ^2/NDF: 71.1/52

All: 0.021+/-0.002 χ^2/NDF: 8873.4/107

- sign 0.022+/-0.003 χ^2/NDF: 8802.2/54

reg_asym_us_avg_diff_bpm1X_slope vs Slug



Right In: -72.260+/-0.338 χ^2/NDF: 3244.0/27

Left Out: -66.289+/-0.344 χ^2/NDF:2550.4/23

Right Out: -75.882+/-0.317 χ^2/NDF: 4585.5/30

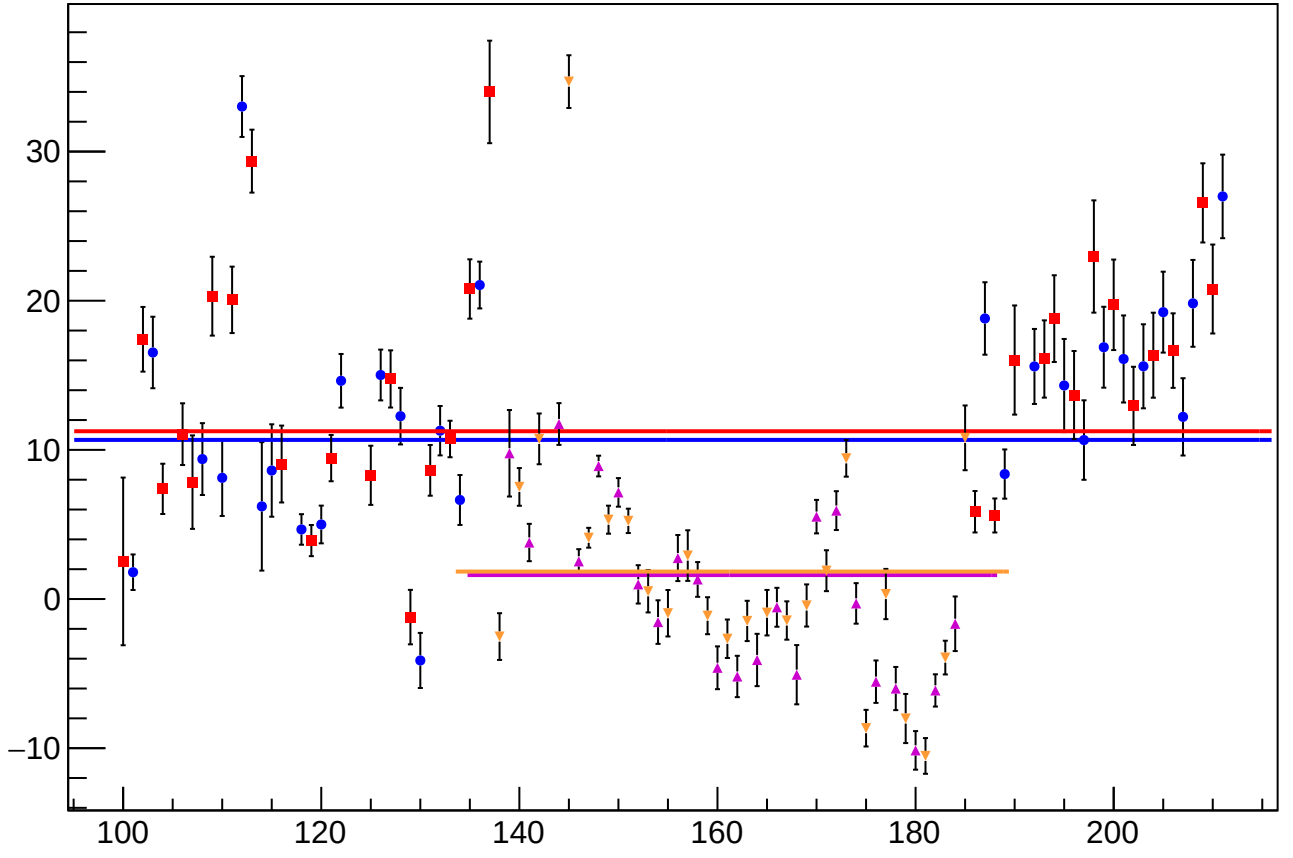
Left In: -67.331+/-0.345 χ^2/NDF:2102.6/22

+ sign -69.328+/-0.241 χ^2/NDF: 5947.9/51

All: -70.694+/-0.168 χ^2/NDF: 13031.7/105

- sign -71.975+/-0.233 χ^2/NDF: 7021.5/53

reg_asym_us_avg_diff_bpm4aY_slope vs Slug



Right In: 10.669+/-0.368 χ^2/NDF: 449.0/27

Left Out: 1.842+/-0.254 χ^2/NDF:781.5/23

Right Out: 11.249+/-0.359 χ^2/NDF: 412.4/30

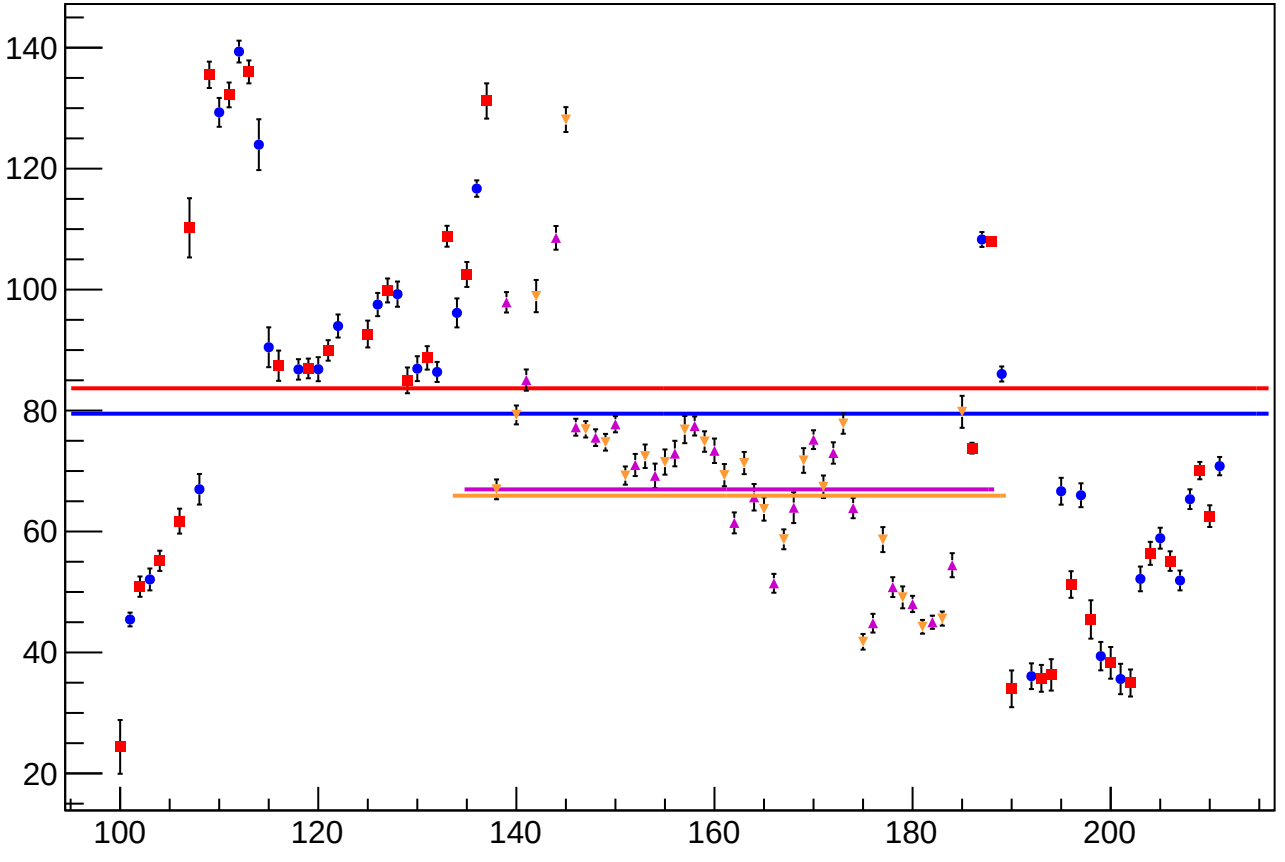
Left In: 1.605+/-0.258 χ^2/NDF:496.6/22

\+ sign 4.696+/-0.209 χ^2/NDF: 1619.6/51

All: 4.798+/-0.148 χ^2/NDF: 3004.8/105

\- sign 4.899+/-0.210 χ^2/NDF: 1384.7/53

reg_asym_us_avg_diff_bpm4eX_slope vs Slug



Right In: 79.482+/-0.340 χ^2/NDF: 6282.2/27

Left Out: 65.923+/-0.341 χ^2/NDF:2555.6/23

Right Out: 83.679+/-0.311 χ^2/NDF: 7955.3/30

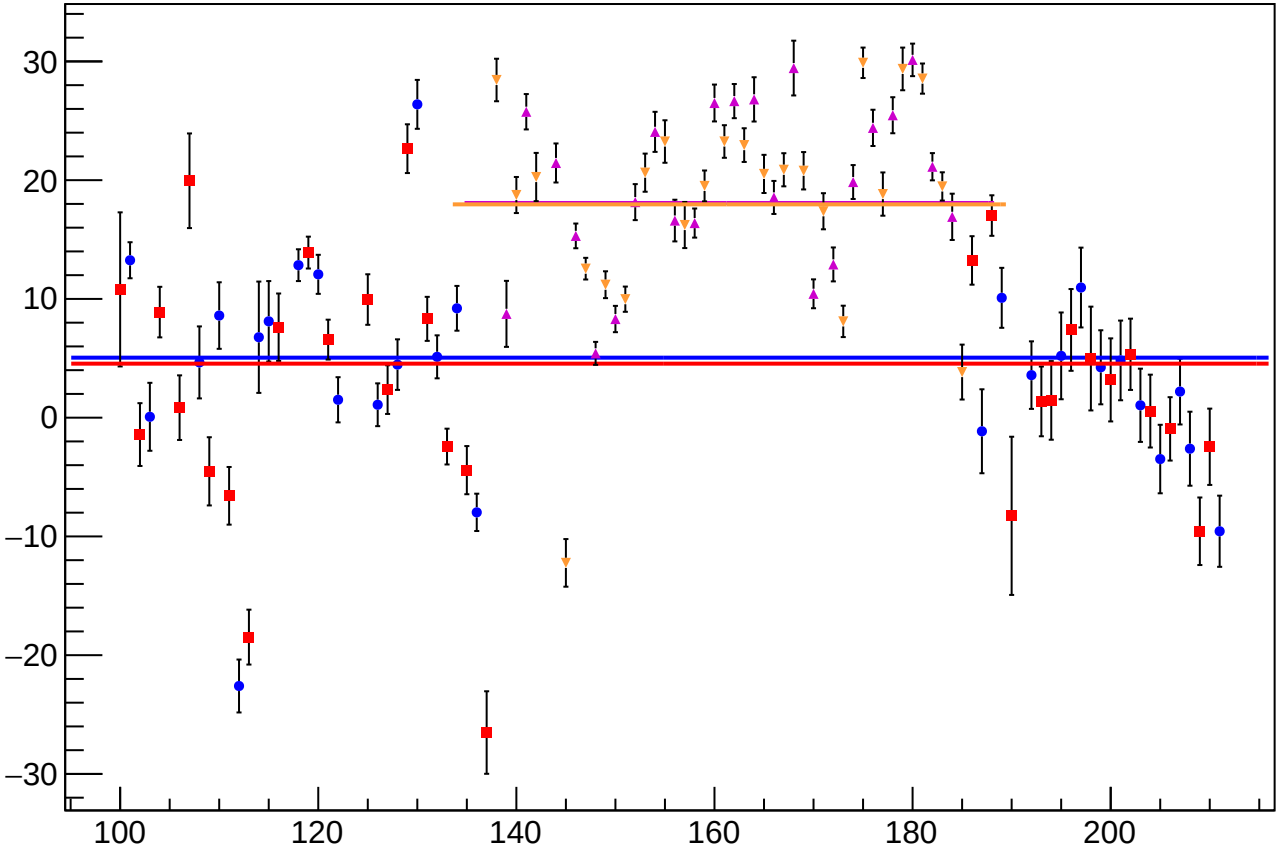
Left In: 66.964+/-0.341 χ^2/NDF:2221.3/22

+ sign 72.709+/-0.241 χ^2/NDF: 9631.3/51

All: 74.484+/-0.166 χ^2/NDF: 21223.7/105

- sign 76.102+/-0.230 χ^2/NDF: 11488.5/53

reg_asym_us_avg_diff_bpm4eY_slope vs Slug



Right In: 5.054+/-0.431 χ^2/NDF: 482.0/27

Left Out: 17.963+/-0.292 χ^2/NDF:732.1/23

Right Out: 4.549+/-0.428 χ^2/NDF: 532.3/30

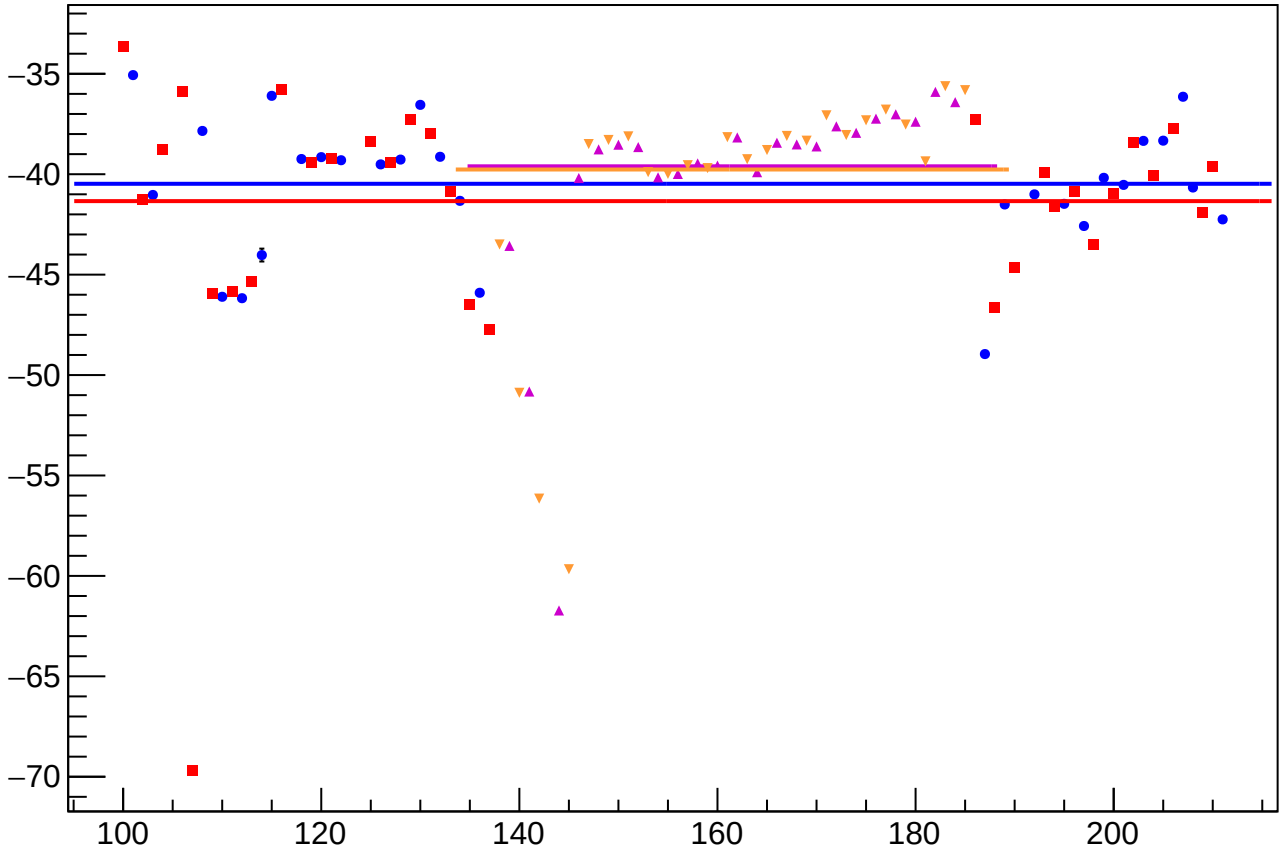
Left In: 18.079+/-0.295 χ^2/NDF:605.0/22

+ sign 13.909+/-0.242 χ^2/NDF: 1828.2/51

All: 13.817+/-0.171 χ^2/NDF: 3643.7/105

- sign 13.724+/-0.243 χ^2/NDF: 1815.2/53

reg_asym_us_avg_diff_bpm12X_slope vs Slug



Right In: -40.477+/-0.021 χ^2/NDF: 23024.4/27

Left Out: -39.765+/-0.013 χ^2/NDF:129895.4/23

Right Out: -41.339+/-0.021 χ^2/NDF: 44778.8/30

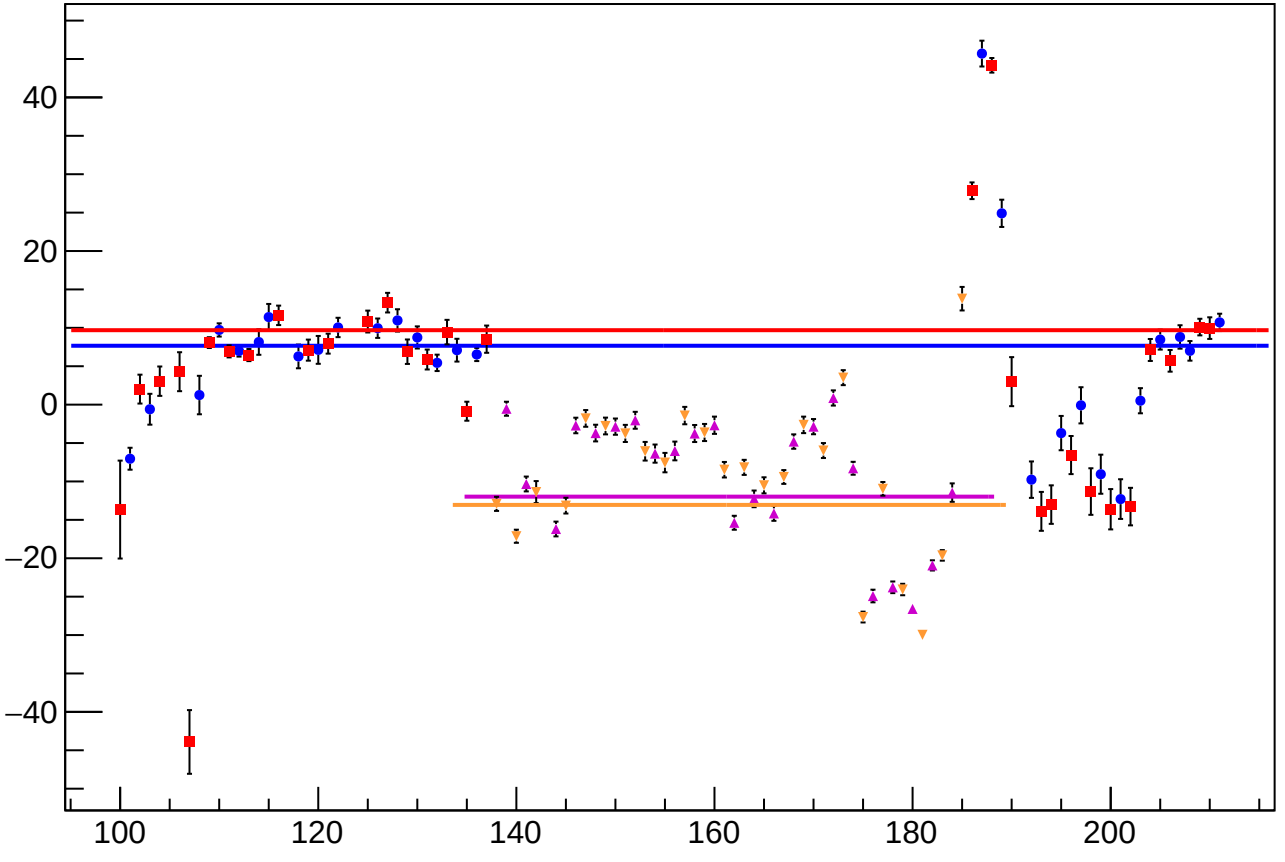
Left In: -39.606+/-0.013 χ^2/NDF:106639.2/22

+ sign -39.968+/-0.011 χ^2/NDF: 153717.0/51

All: -40.035+/-0.008 χ^2/NDF: 309989.6/105

- sign -40.100+/-0.011 χ^2/NDF: 156205.2/53

reg_asym_us_dd_diff_bpm1X_slope vs Slug



Right In: 7.667+/-0.260 χ^2/NDF: 988.3/27

Left Out: -13.054+/-0.193 χ^2/NDF:2868.1/23

Right Out: 9.692+/-0.246 χ^2/NDF: 2387.3/30

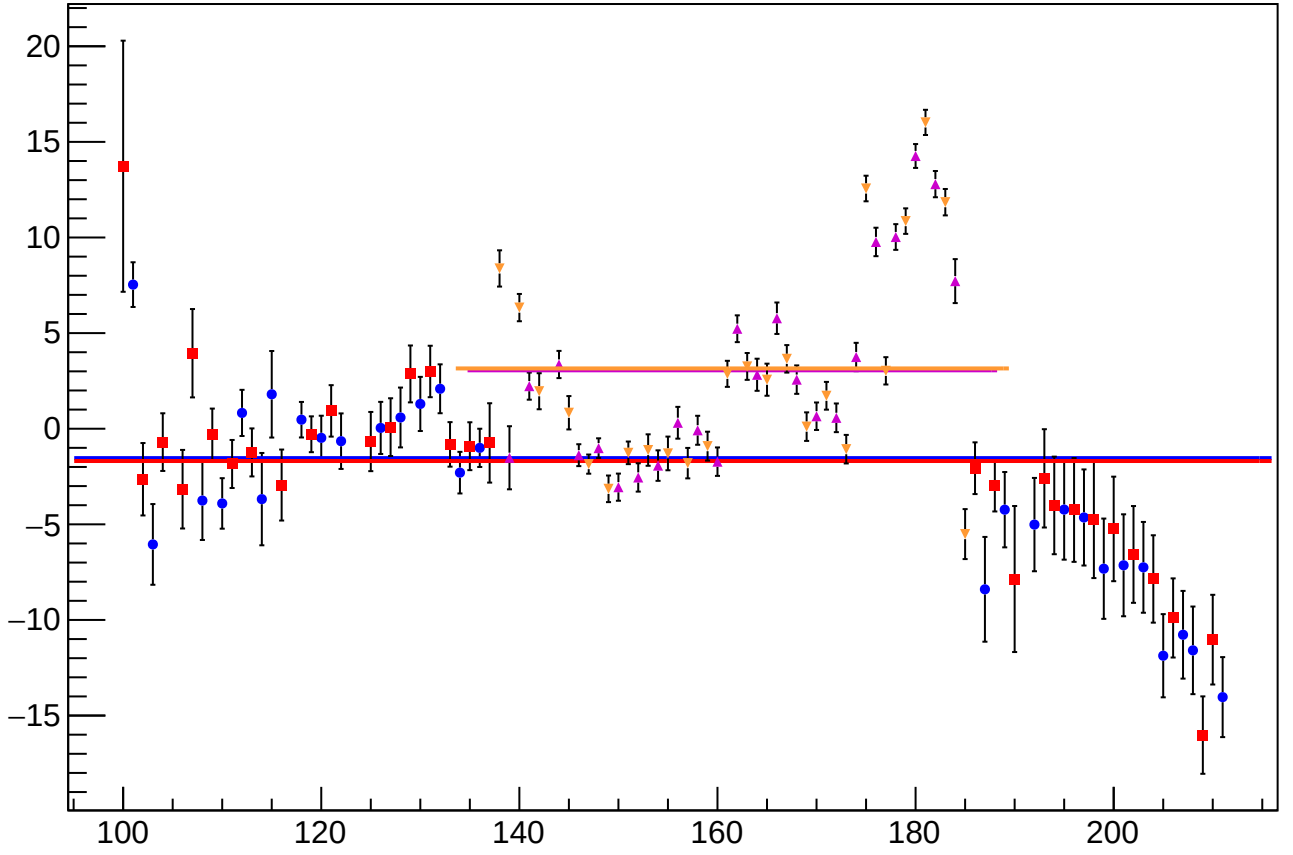
Left In: -11.978+/-0.195 χ^2/NDF:2176.6/22

\+ sign -5.707+/-0.155 χ^2/NDF: 7953.1/51

All: -4.632+/-0.109 χ^2/NDF: 17373.2/105

\- sign -3.582+/-0.153 χ^2/NDF: 9324.8/53

reg_asym_us_dd_diff_bpm4aY_slope vs Slug



Right In: -1.537+/-0.298 χ^2/NDF: 219.4/27

Left Out: 3.153+/-0.149 χ^2/NDF:1385.1/23

Right Out: -1.688+/-0.298 χ^2/NDF: 145.7/30

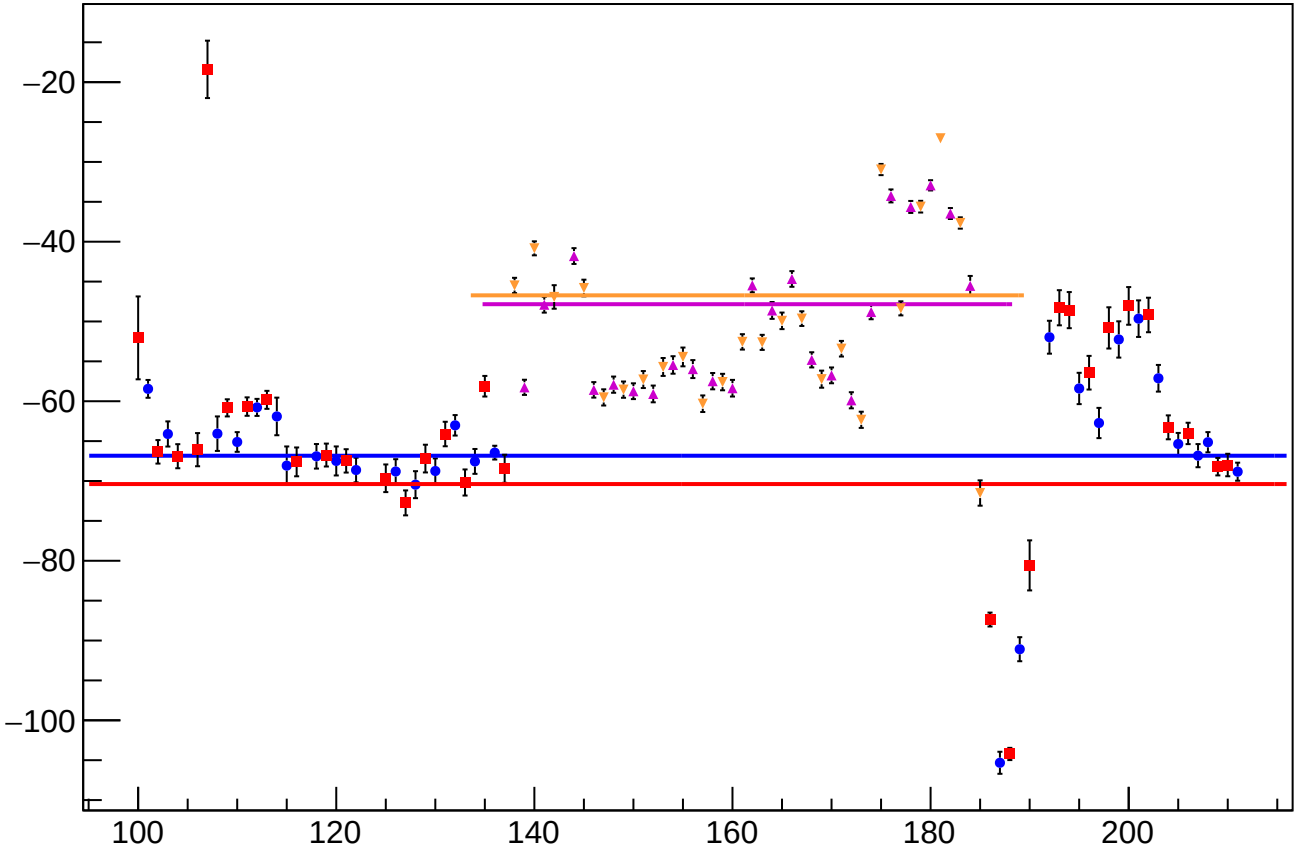
Left In: 3.055+/-0.152 χ^2/NDF:1145.0/22

+ sign 2.214+/-0.133 χ^2/NDF: 1802.5/51

All: 2.145+/-0.095 χ^2/NDF: 3295.2/105

- sign 2.073+/-0.135 χ^2/NDF: 1492.2/53

reg_asym_us_dd_diff_bpm4eX_slope vs Slug



Right In: -66.832+/-0.279 χ^2/NDF: 1365.5/27

Left Out: -46.724+/-0.192 χ^2/NDF:3446.1/23

Right Out: -70.383+/-0.264 χ^2/NDF: 3474.8/30

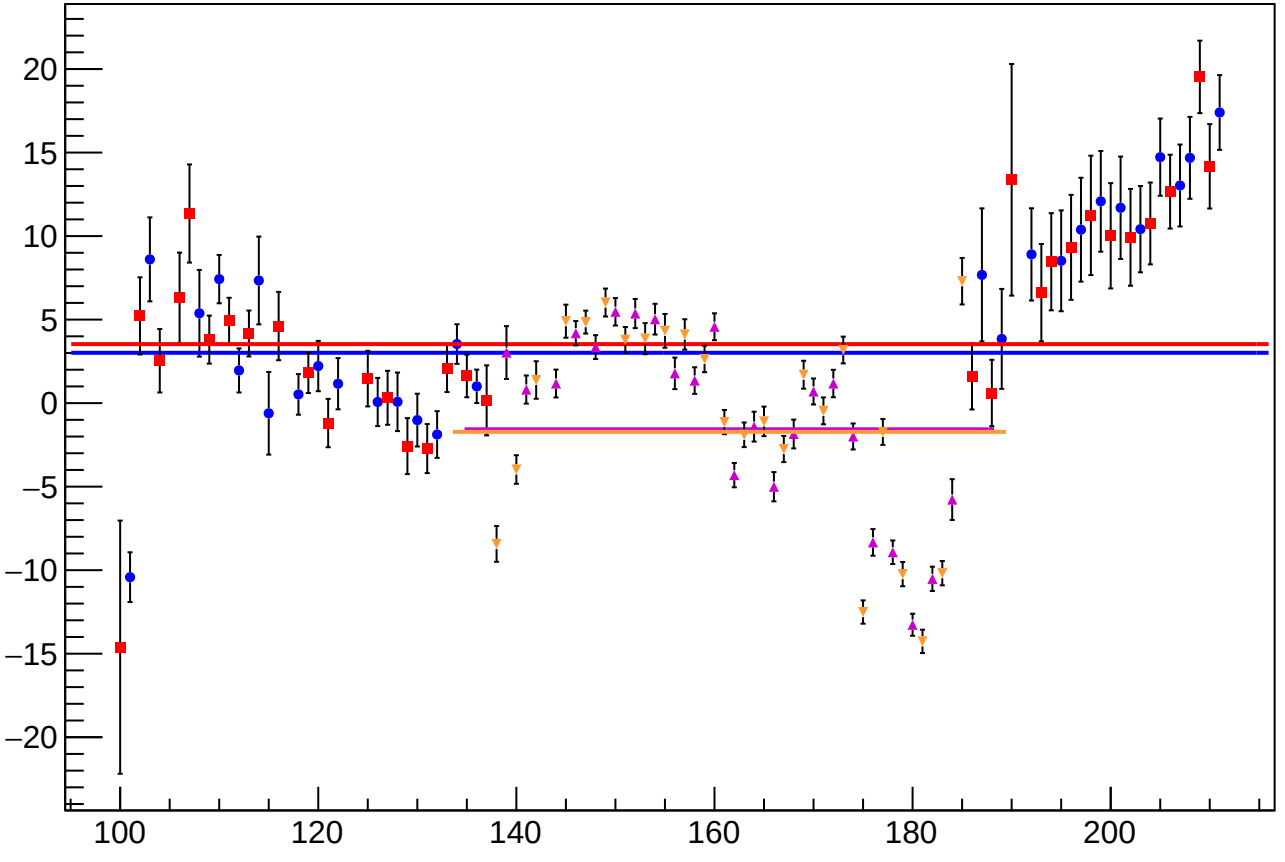
Left In: -47.835+/-0.194 χ^2/NDF:2557.6/22

\+ sign -53.170+/-0.158 χ^2/NDF: 8343.9/51

All: -54.460+/-0.111 χ^2/NDF: 19243.2/105

\- sign -55.725+/-0.156 χ^2/NDF: 10766.9/53

reg_asym_us_dd_diff_bpm4eY_slope vs Slug



Right In: 3.014+/-0.339 χ^2/NDF: 284.4/27

Left Out: -1.718+/-0.168 χ^2/NDF:1406.1/23

Right Out: 3.533+/-0.343 χ^2/NDF: 195.9/30

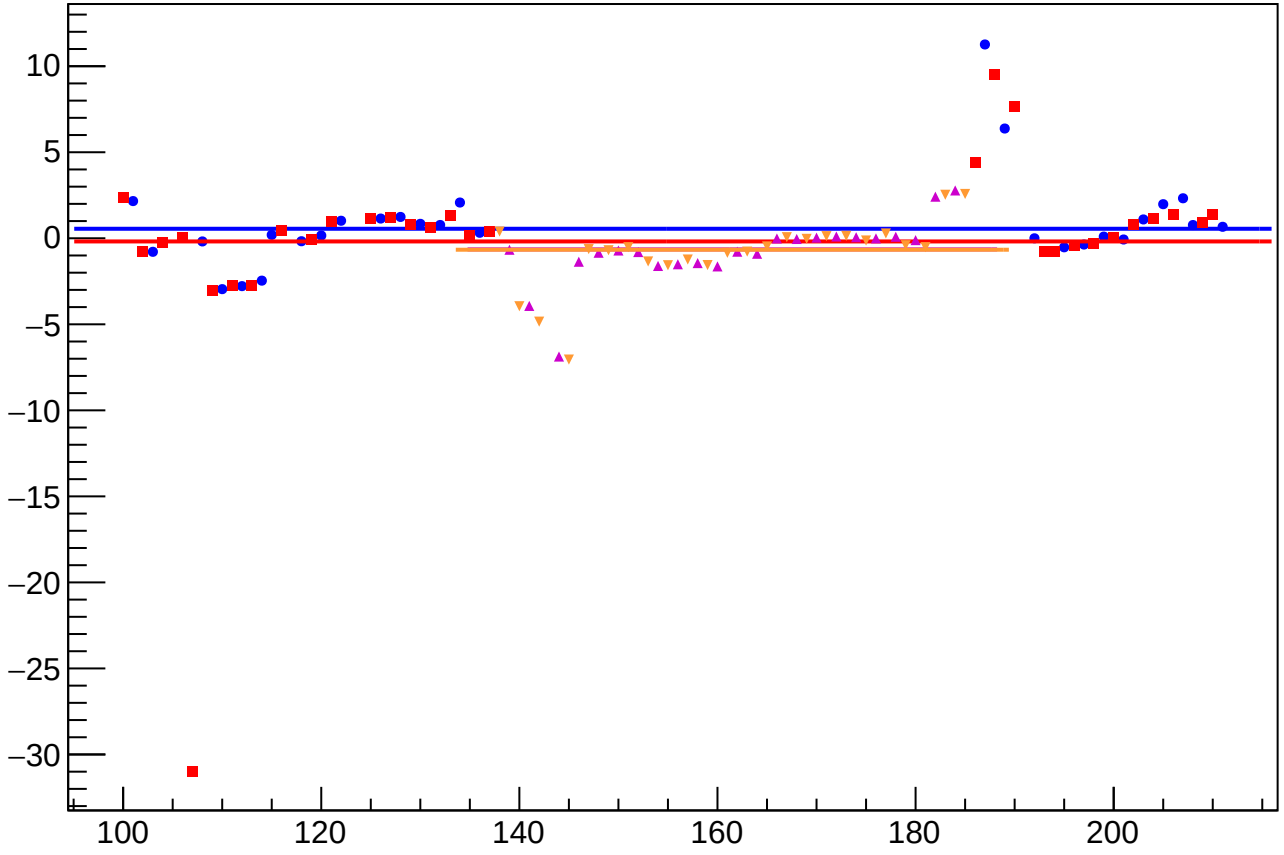
Left In: -1.567+/-0.171 χ^2/NDF:1117.7/22

\+ sign -0.787+/-0.150 χ^2/NDF: 1846.8/51

All: -0.673+/-0.107 χ^2/NDF: 3338.6/105

\- sign -0.556+/-0.153 χ^2/NDF: 1490.6/53

reg_asym_us_dd_diff_bpm12X_slope vs Slug



Right In: 0.553+/-0.017 χ^2/NDF: 10287.0/27

Left Out: -0.666+/-0.008 χ^2/NDF:55276.7/23

Right Out: -0.184+/-0.017 χ^2/NDF: 61047.9/30

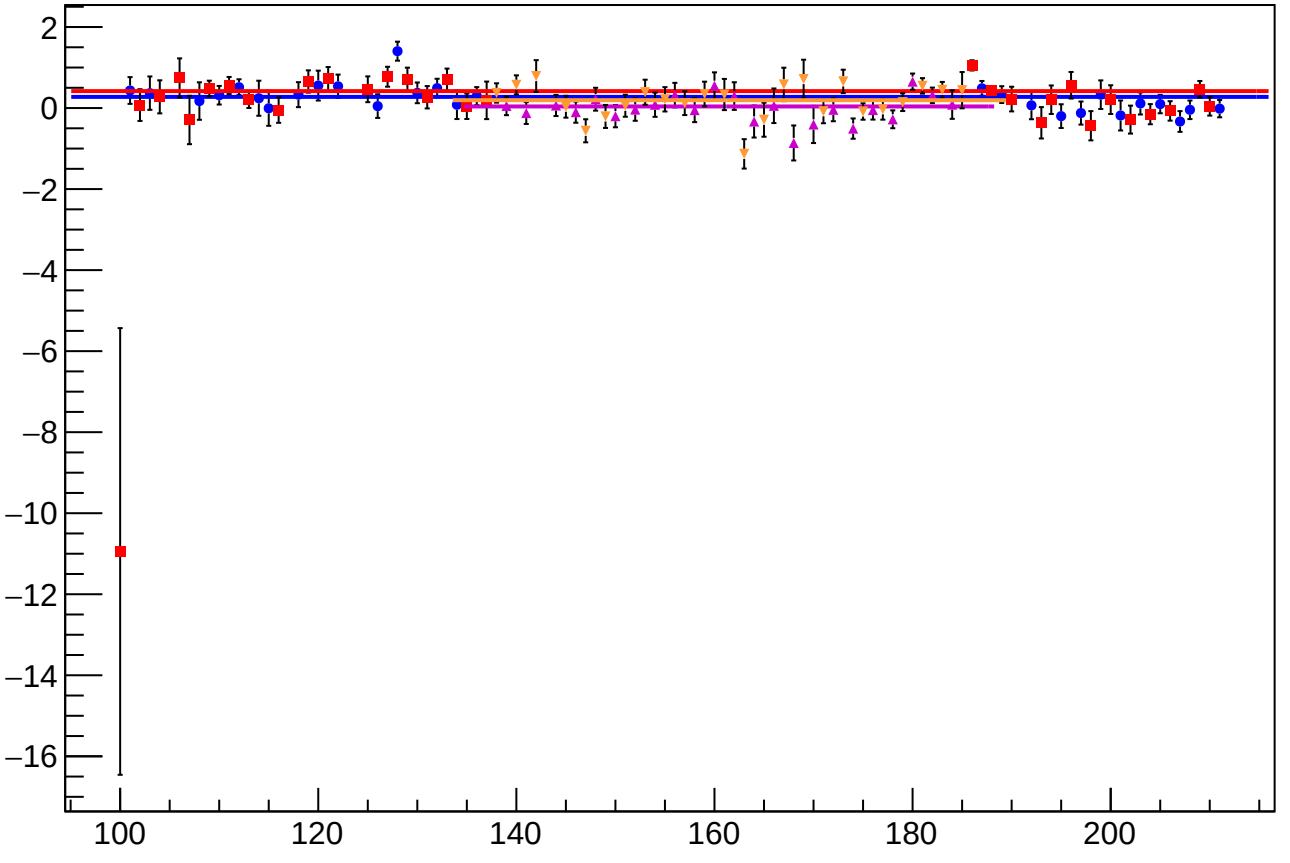
Left In: -0.646+/-0.008 χ^2/NDF:45569.5/22

+ sign -0.468+/-0.007 χ^2/NDF: 69836.3/51

All: -0.520+/-0.005 χ^2/NDF: 177164.5/105

- sign -0.573+/-0.007 χ^2/NDF: 107212.5/53

reg_asym_ds_avg_diff_bpm1X_slope vs Slug



Right In: 0.276+/-0.051 χ^2/NDF: 47.1/27

Left Out: 0.194+/-0.057 χ^2/NDF:44.2/23

Right Out: 0.418+/-0.045 χ^2/NDF: 71.2/30

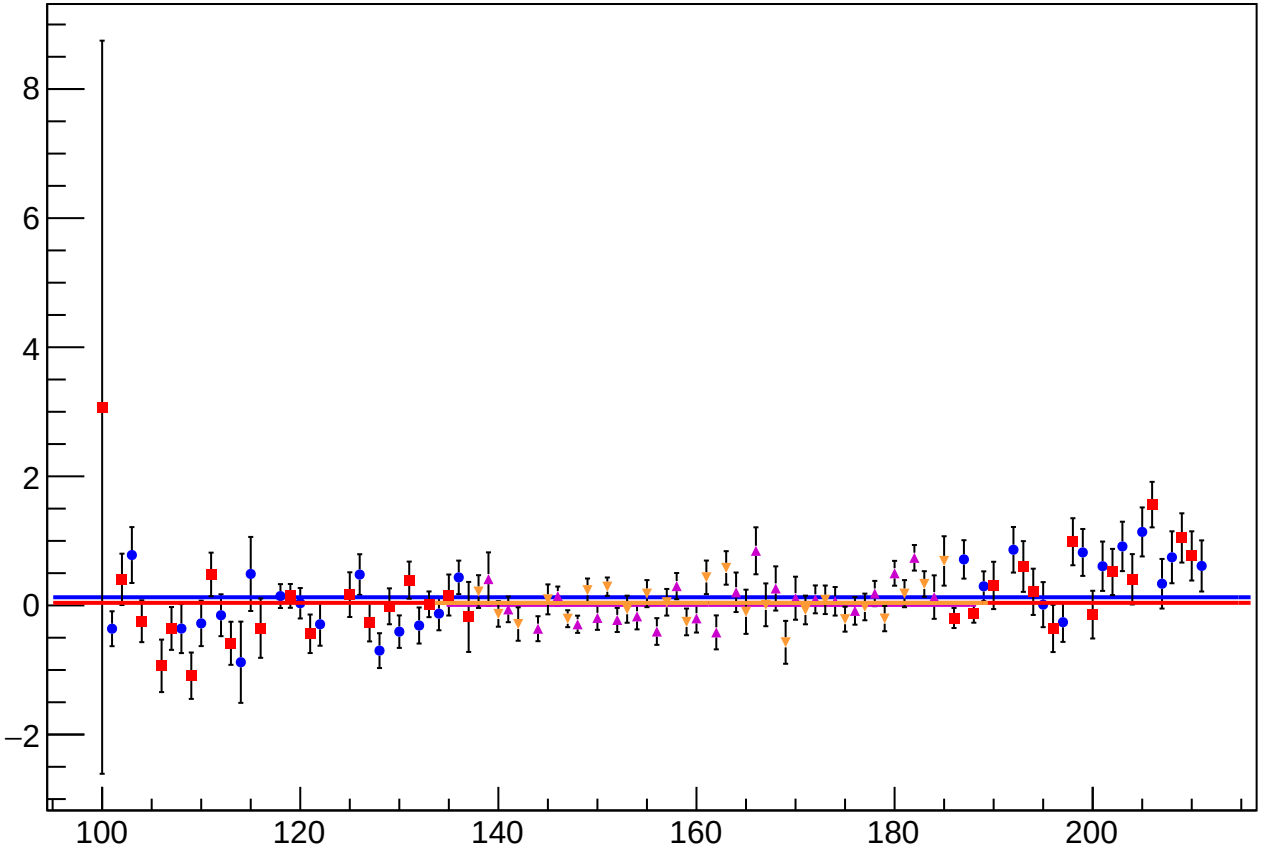
Left In: 0.039+/-0.058 χ^2/NDF:30.5/22

+ sign 0.239+/-0.038 χ^2/NDF: 92.5/51

All: 0.258+/-0.026 χ^2/NDF: 221.5/105

- sign 0.275+/-0.035 χ^2/NDF: 128.6/53

reg_asym_ds_avg_diff_bpm4aY_slope vs Slug



Right In: 0.127+/-0.059 χ^2/NDF: 65.1/27

Left Out: 0.038+/-0.043 χ^2/NDF:32.8/23

Right Out: 0.040+/-0.053 χ^2/NDF: 77.1/30

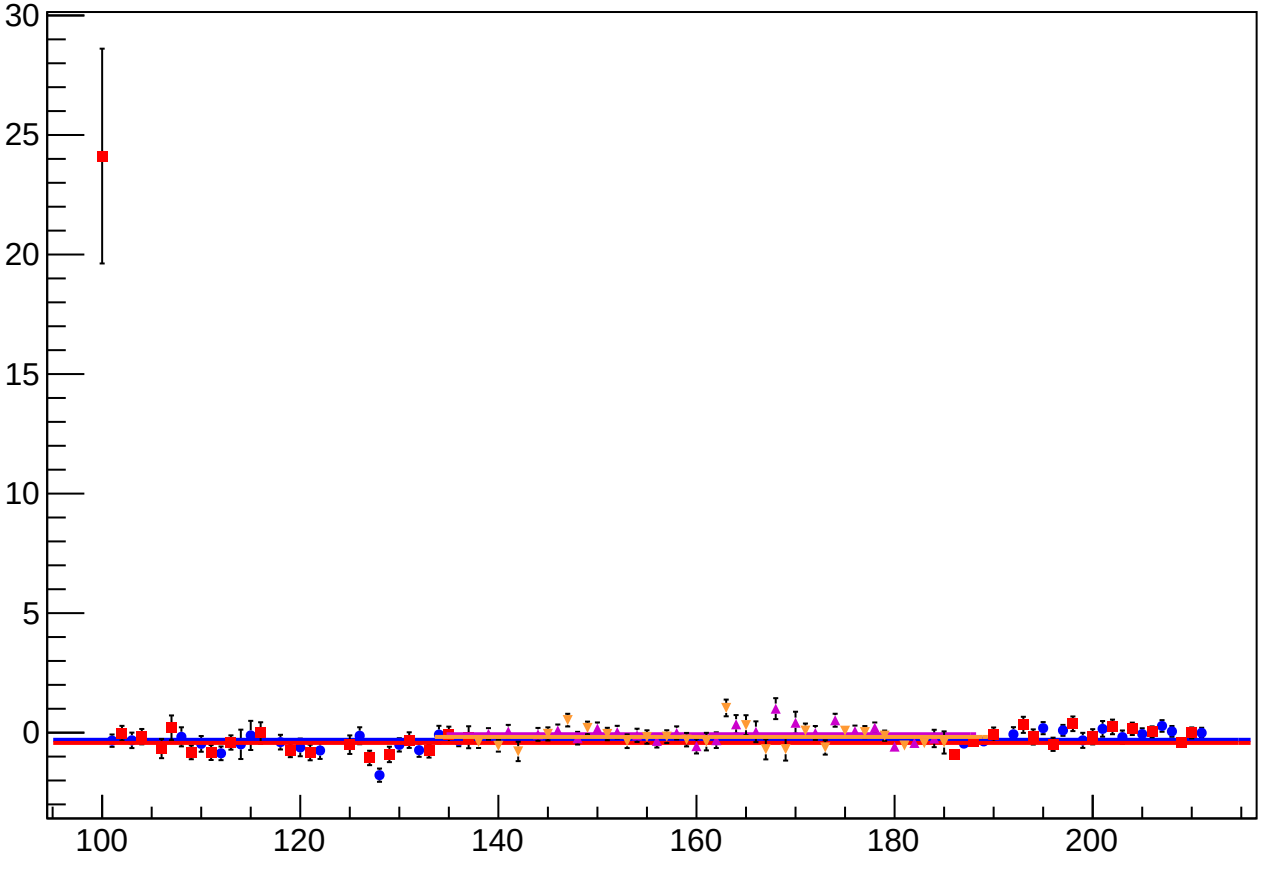
Left In: 0.008+/-0.044 χ^2/NDF:51.4/22

+ sign 0.069+/-0.035 χ^2/NDF: 99.3/51

All: 0.045+/-0.024 χ^2/NDF: 229.0/105

- sign 0.021+/-0.034 χ^2/NDF: 128.7/53

reg_asym_ds_avg_diff_bpm4eX_slope vs Slug



Right In: -0.298+/-0.051 χ^2/NDF: 60.6/27

Left Out: -0.178+/-0.056 χ^2/NDF:42.1/23

Right Out: -0.428+/-0.043 χ^2/NDF: 104.2/30

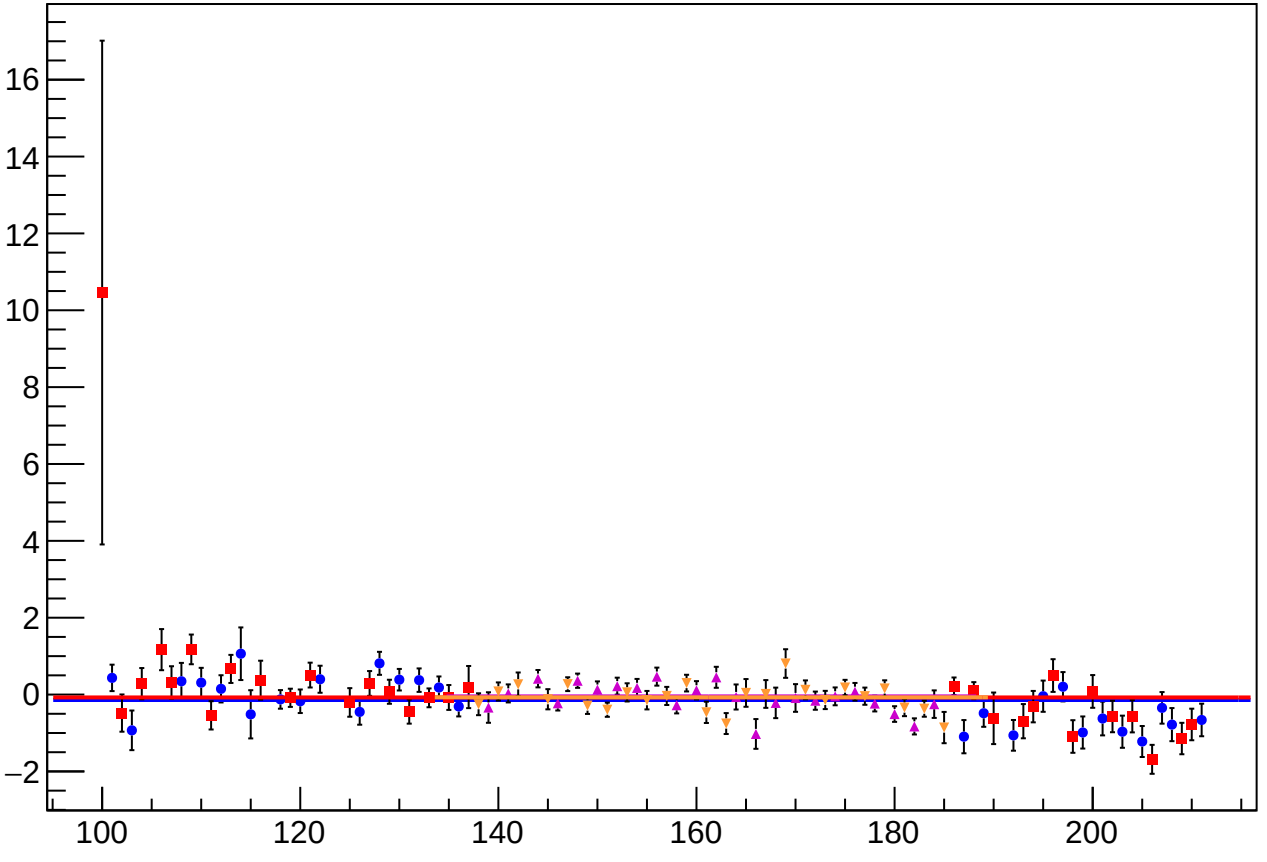
Left In: -0.066+/-0.057 χ^2/NDF:31.4/22

+ sign -0.244+/-0.038 χ^2/NDF: 105.2/51

All: -0.273+/-0.025 χ^2/NDF: 267.8/105

- sign -0.297+/-0.034 χ^2/NDF: 161.5/53

reg_asym_ds_avg_diff_bpm4eY_slope vs Slug



Right In: -0.141+/-0.068 χ^2/NDF: 65.5/27

Left Out: -0.072+/-0.049 χ^2/NDF:37.7/23

Right Out: -0.075+/-0.065 χ^2/NDF: 77.6/30

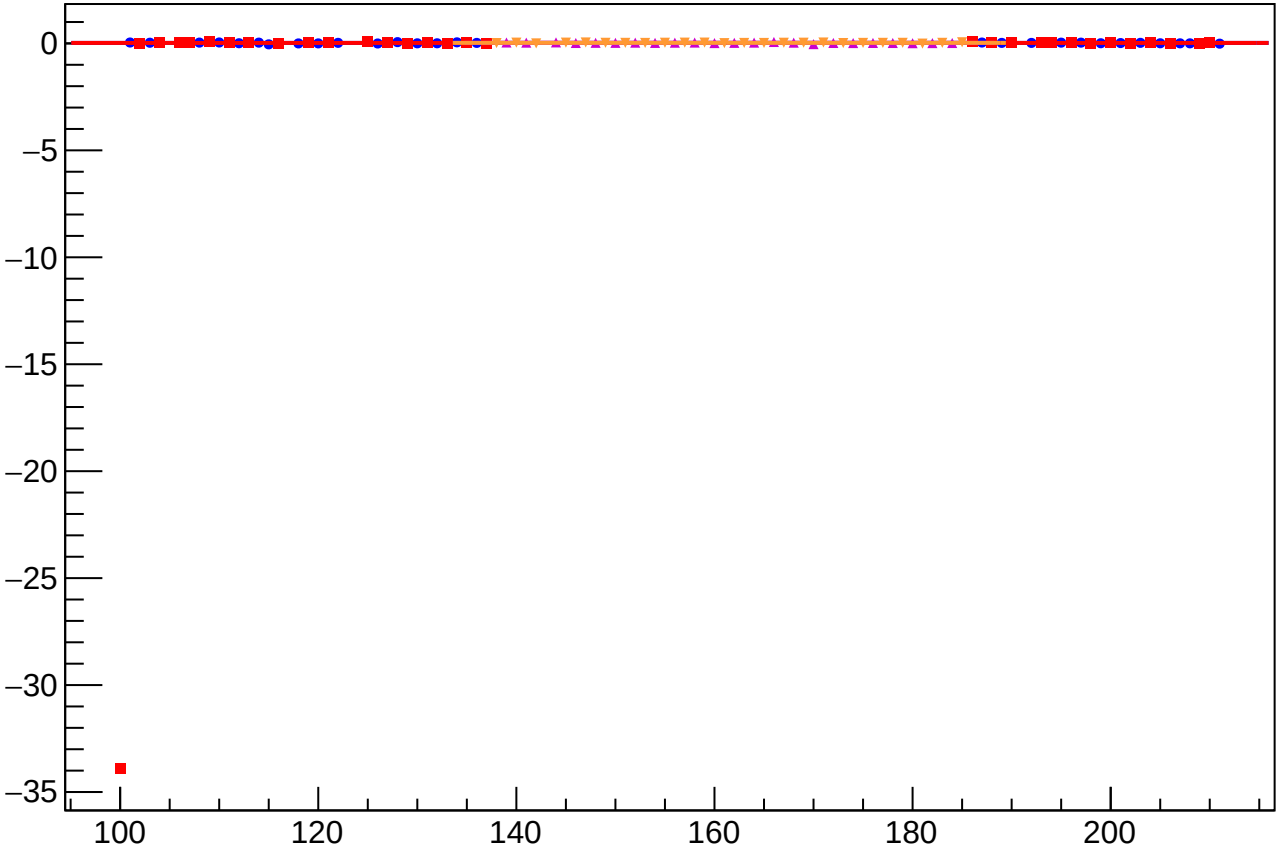
Left In: -0.047+/-0.050 χ^2/NDF:50.5/22

+ sign -0.096+/-0.040 χ^2/NDF: 103.9/51

All: -0.076+/-0.028 χ^2/NDF: 232.5/105

- sign -0.058+/-0.040 χ^2/NDF: 128.1/53

reg_asym_ds_avg_diff_bpm12X_slope vs Slug



Right In: 0.022+/-0.003 χ^2/NDF: 26.8/27

Left Out: 0.026+/-0.002 χ^2/NDF:31.4/23

Right Out: 0.022+/-0.003 χ^2/NDF: 22315.7/30

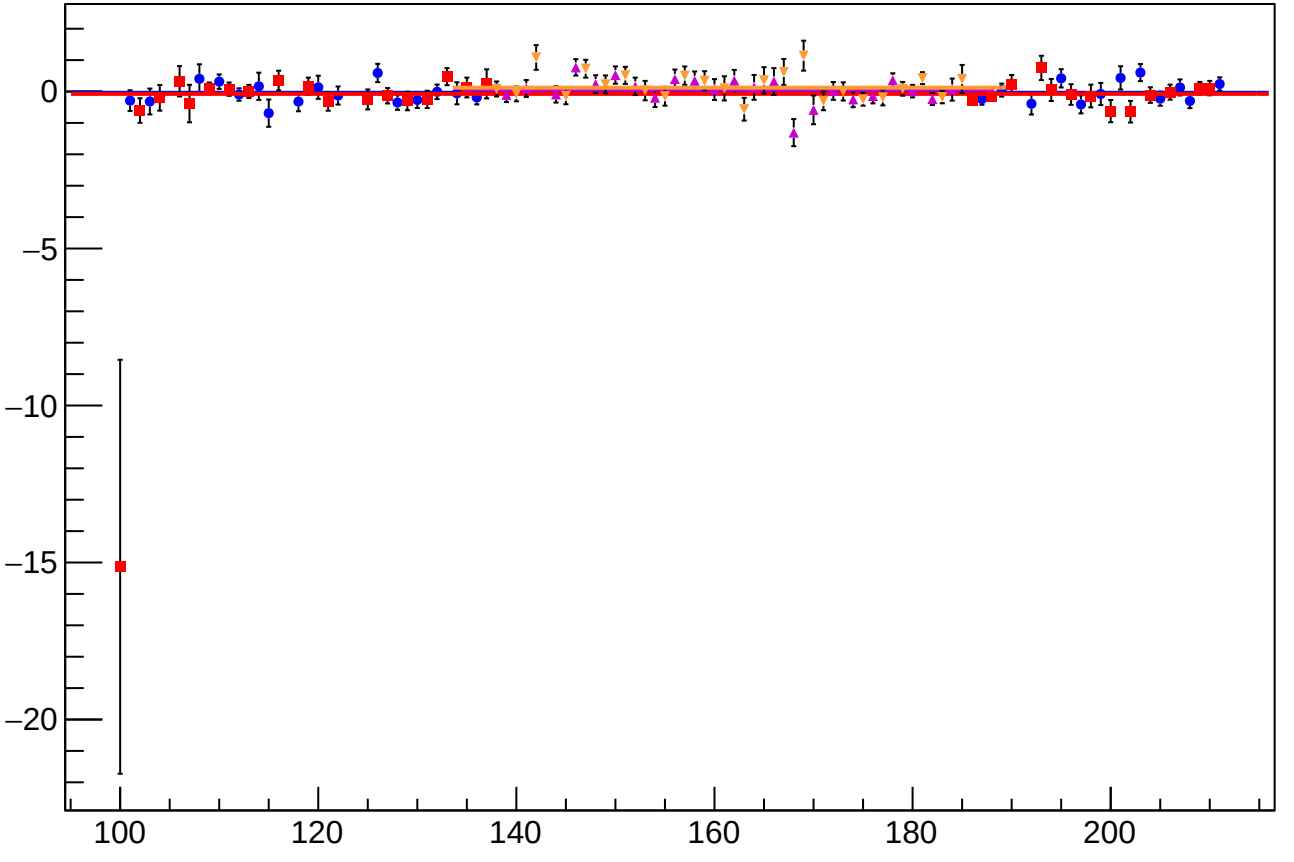
Left In: 0.026+/-0.002 χ^2/NDF:39.5/22

+ sign 0.025+/-0.002 χ^2/NDF: 59.2/51

All: 0.025+/-0.001 χ^2/NDF: 22415.5/105

- sign 0.025+/-0.002 χ^2/NDF: 22356.4/53

reg_asym_ds_dd_diff_bpm1X_slope vs Slug



Right In: -0.041+/-0.051 χ^2/NDF: 33.6/27

Left Out: 0.122+/-0.057 χ^2/NDF:39.6/23

Right Out: -0.075+/-0.045 χ^2/NDF: 35.1/30

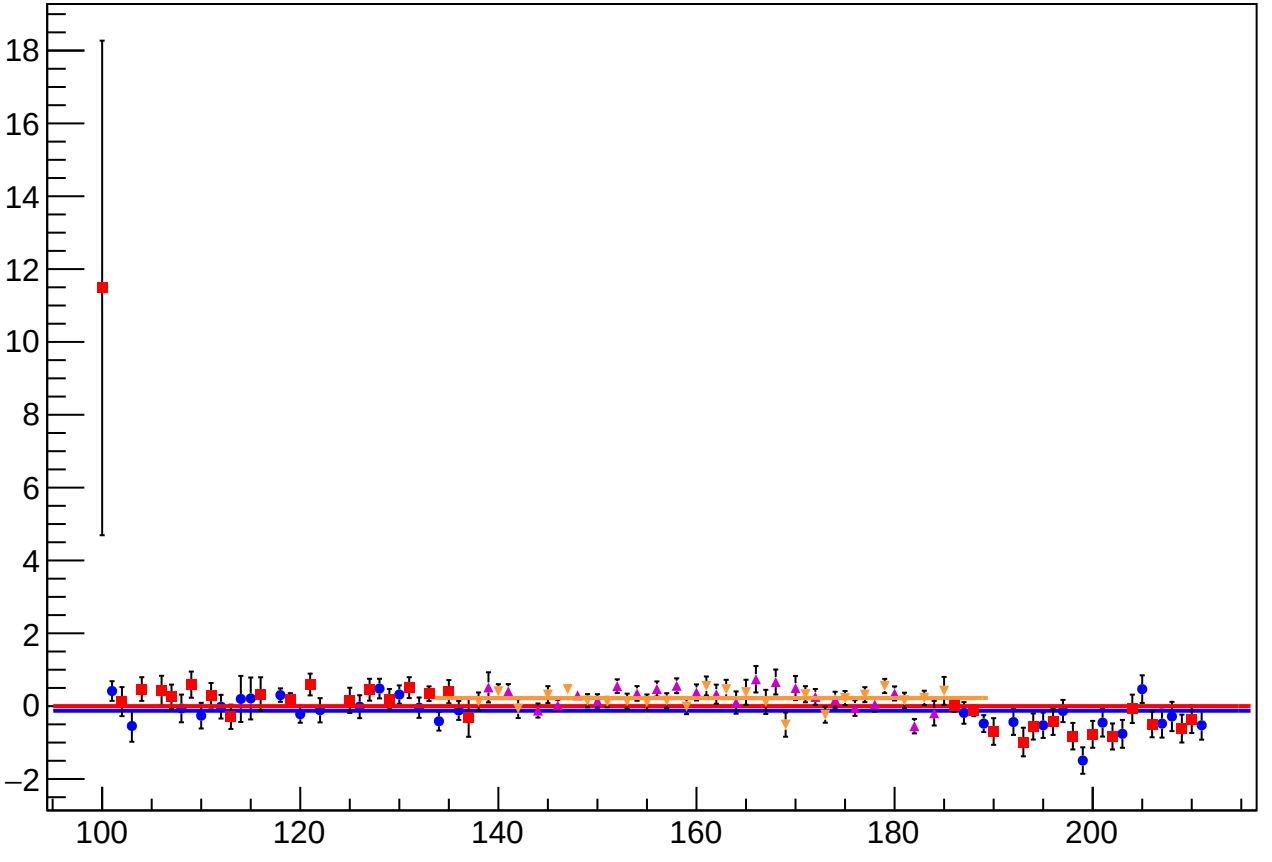
Left In: 0.063+/-0.058 χ^2/NDF:34.2/22

+ sign 0.032+/-0.038 χ^2/NDF: 77.8/51

All: 0.003+/-0.026 χ^2/NDF: 151.9/105

- sign -0.023+/-0.035 χ^2/NDF: 73.0/53

reg_asym_ds_dd_diff_bpm4aY_slope vs Slug



Right In: -0.126+/-0.059 χ^2/NDF: 47.6/27

Left Out: 0.225+/-0.043 χ^2/NDF:24.1/23

Right Out: 0.001+/-0.053 χ^2/NDF: 62.0/30

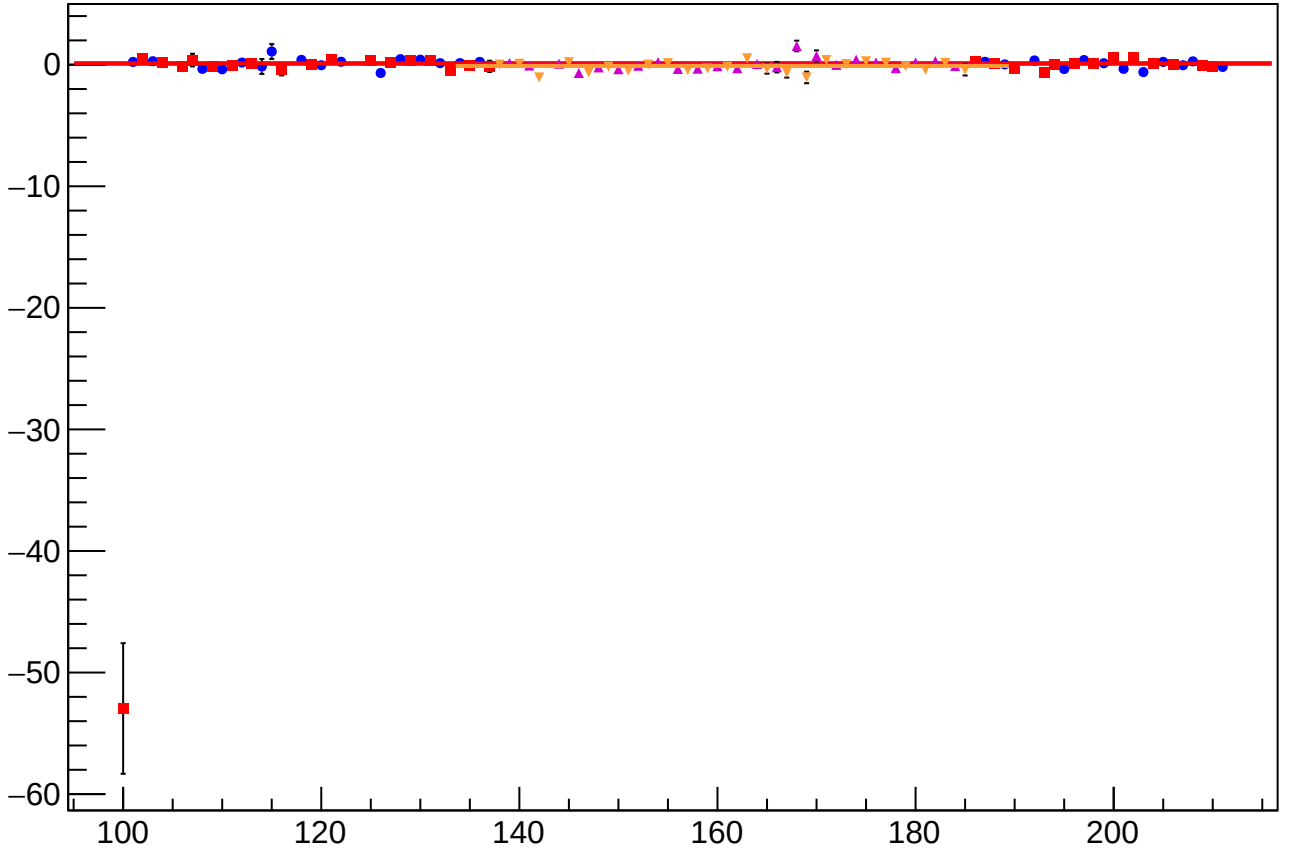
Left In: 0.221+/-0.044 χ^2/NDF:39.3/22

+ sign 0.101+/-0.035 χ^2/NDF: 95.0/51

All: 0.117+/-0.024 χ^2/NDF: 206.8/105

- sign 0.132+/-0.034 χ^2/NDF: 111.5/53

reg_asym_ds_dd_diff_bpm4eX_slope vs Slug



Right In: 0.093+/-0.051 χ^2/NDF: 33.9/27

Left Out: -0.105+/-0.056 χ^2/NDF:37.6/23

Right Out: 0.113+/-0.043 χ^2/NDF: 124.4/30

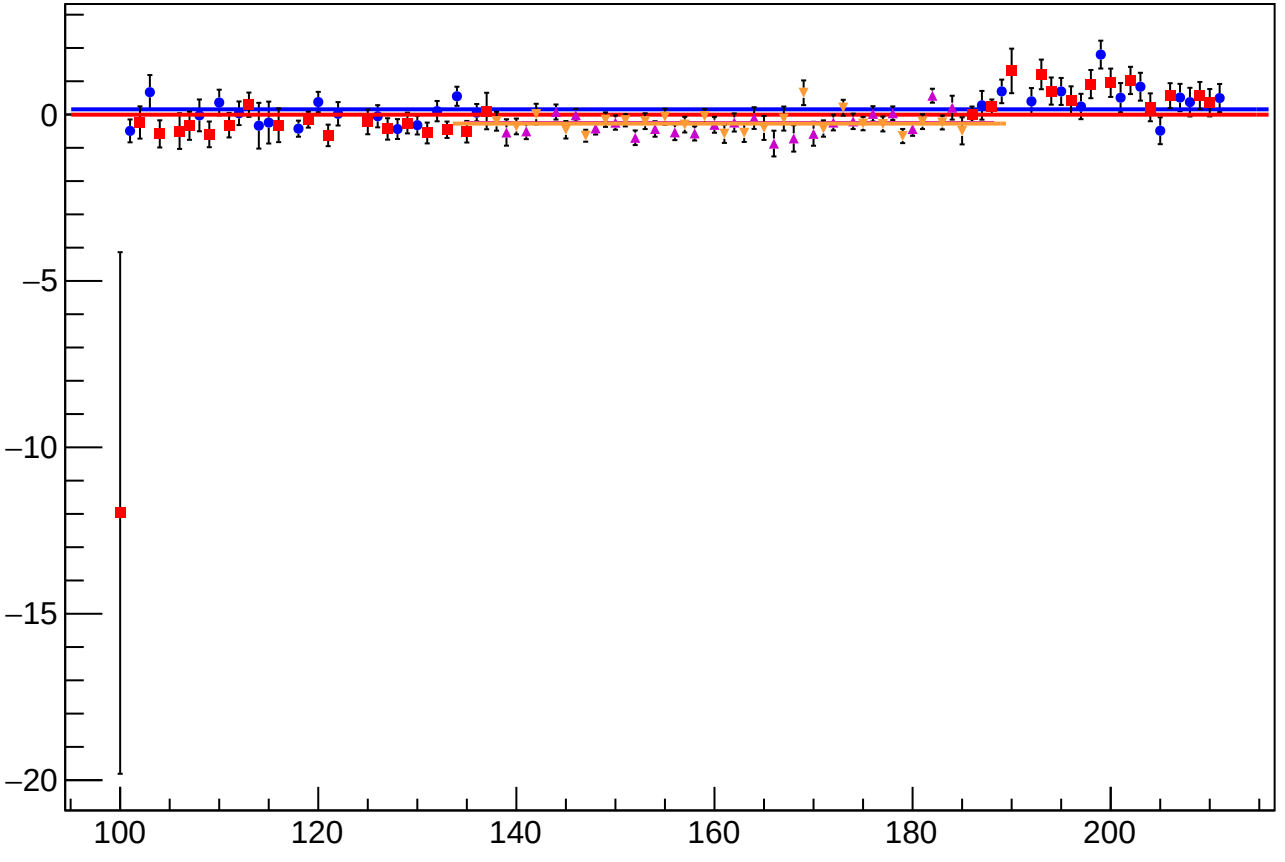
Left In: -0.009+/-0.057 χ^2/NDF:38.0/22

+ sign 0.004+/-0.038 χ^2/NDF: 78.3/51

All: 0.040+/-0.025 χ^2/NDF: 245.3/105

- sign 0.069+/-0.034 χ^2/NDF: 165.4/53

reg_asym_ds_dd_diff_bpm4eY_slope vs Slug



Right In: 0.157+/-0.068 χ^2/NDF: 49.2/27

Left Out: -0.272+/-0.049 χ^2/NDF:24.8/23

Right Out: -0.004+/-0.065 χ^2/NDF: 63.8/30

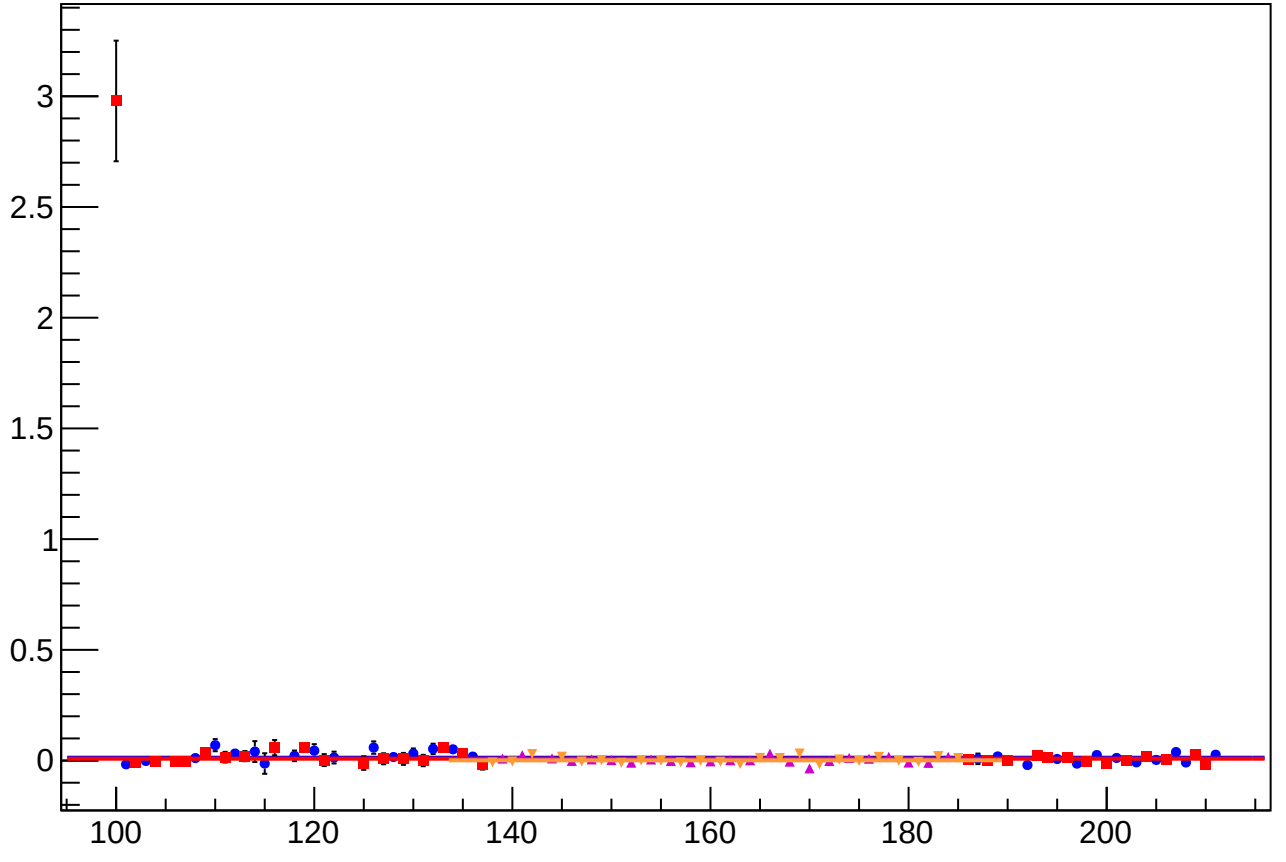
Left In: -0.254+/-0.050 χ^2/NDF:40.6/22

+ sign -0.125+/-0.040 χ^2/NDF: 99.9/51

All: -0.143+/-0.028 χ^2/NDF: 214.0/105

- sign -0.160+/-0.040 χ^2/NDF: 113.7/53

reg_asym_ds_dd_diff_bpm12X_slope vs Slug



Right In: 0.013+/-0.003 χ^2/NDF: 44.8/27

Left Out: 0.001+/-0.002 χ^2/NDF:26.7/23

Right Out: 0.009+/-0.003 χ^2/NDF: 152.3/30

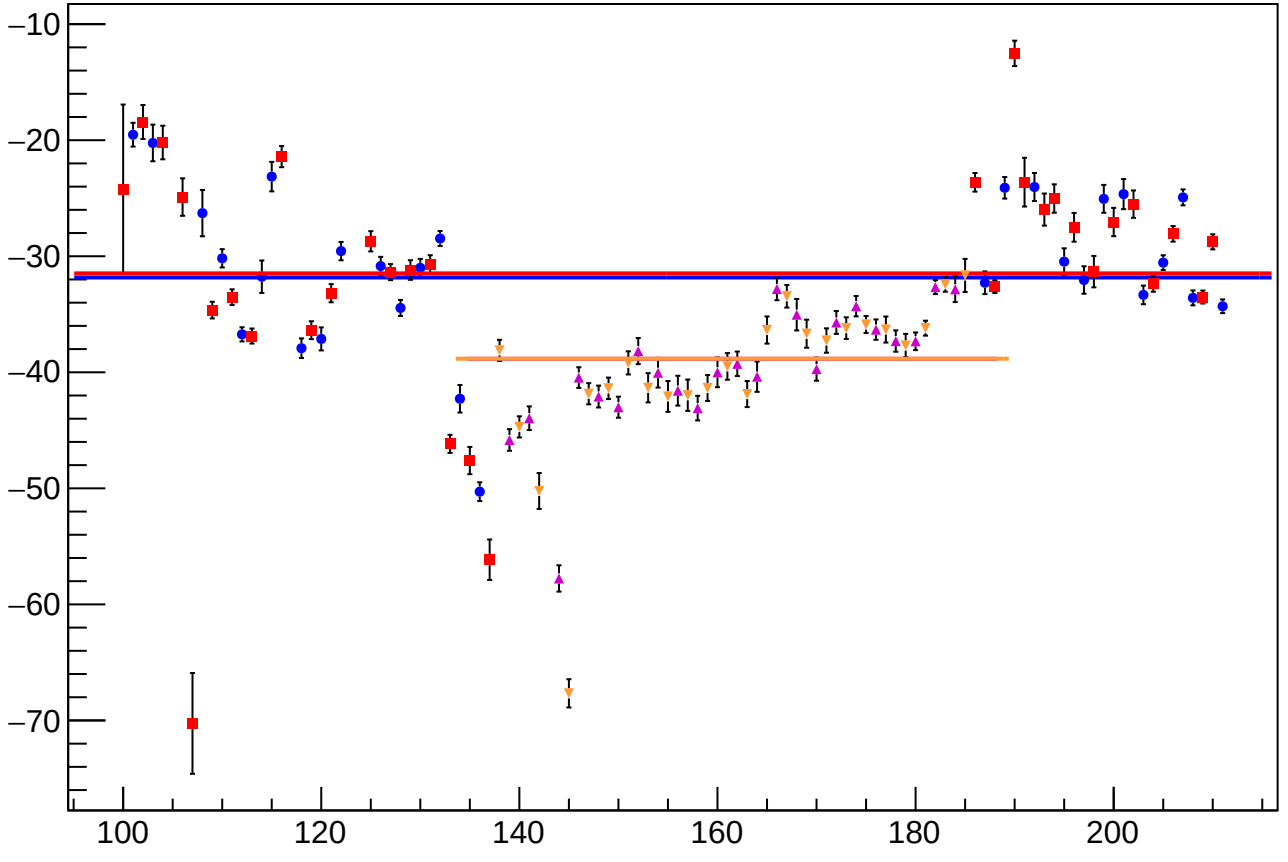
Left In: 0.002+/-0.002 χ^2/NDF:24.6/22

+ sign 0.005+/-0.002 χ^2/NDF: 80.6/51

All: 0.005+/-0.001 χ^2/NDF: 260.3/105

- sign 0.004+/-0.002 χ^2/NDF: 179.7/53

reg_asym_left_avg_diff_bpm1X_slope vs Slug



Right In: -31.830+/-0.162 χ^2/NDF: 1358.6/27

Left Out: -38.829+/-0.202 χ^2/NDF:917.0/23

Right Out: -31.475+/-0.156 χ^2/NDF: 1823.1/31

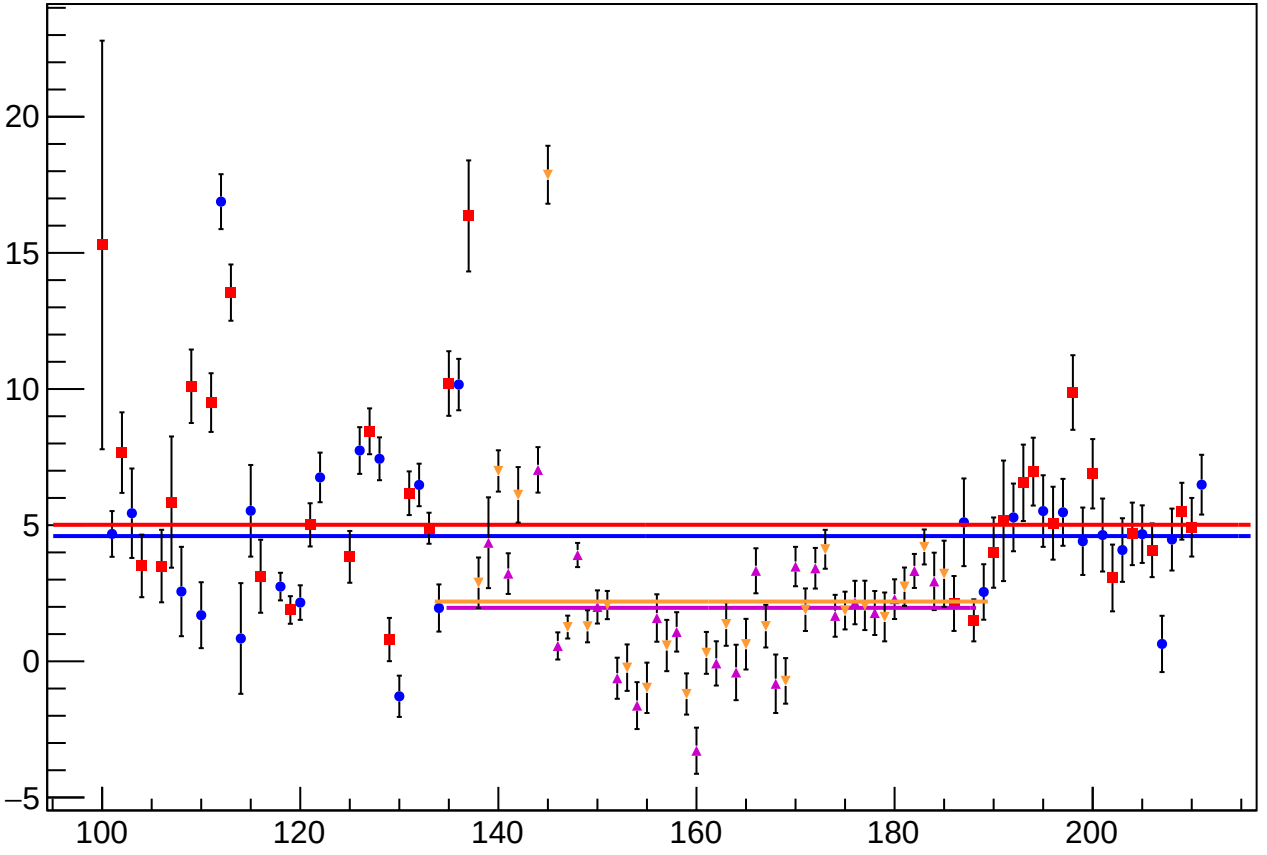
Left In: -38.837+/-0.203 χ^2/NDF:653.4/22

\+ sign -34.569+/-0.126 χ^2/NDF: 3006.0/51

All: -34.381+/-0.088 χ^2/NDF: 6311.9/106

\- sign -34.200+/-0.124 χ^2/NDF: 3301.6/54

reg_asym_left_avg_diff_bpm4aY_slope vs Slug



Right In: 4.600+/-0.184 χ^2/NDF: 353.3/27

Left Out: 2.195+/-0.152 χ^2/NDF:365.1/23

Right Out: 5.014+/-0.181 χ^2/NDF: 298.3/31

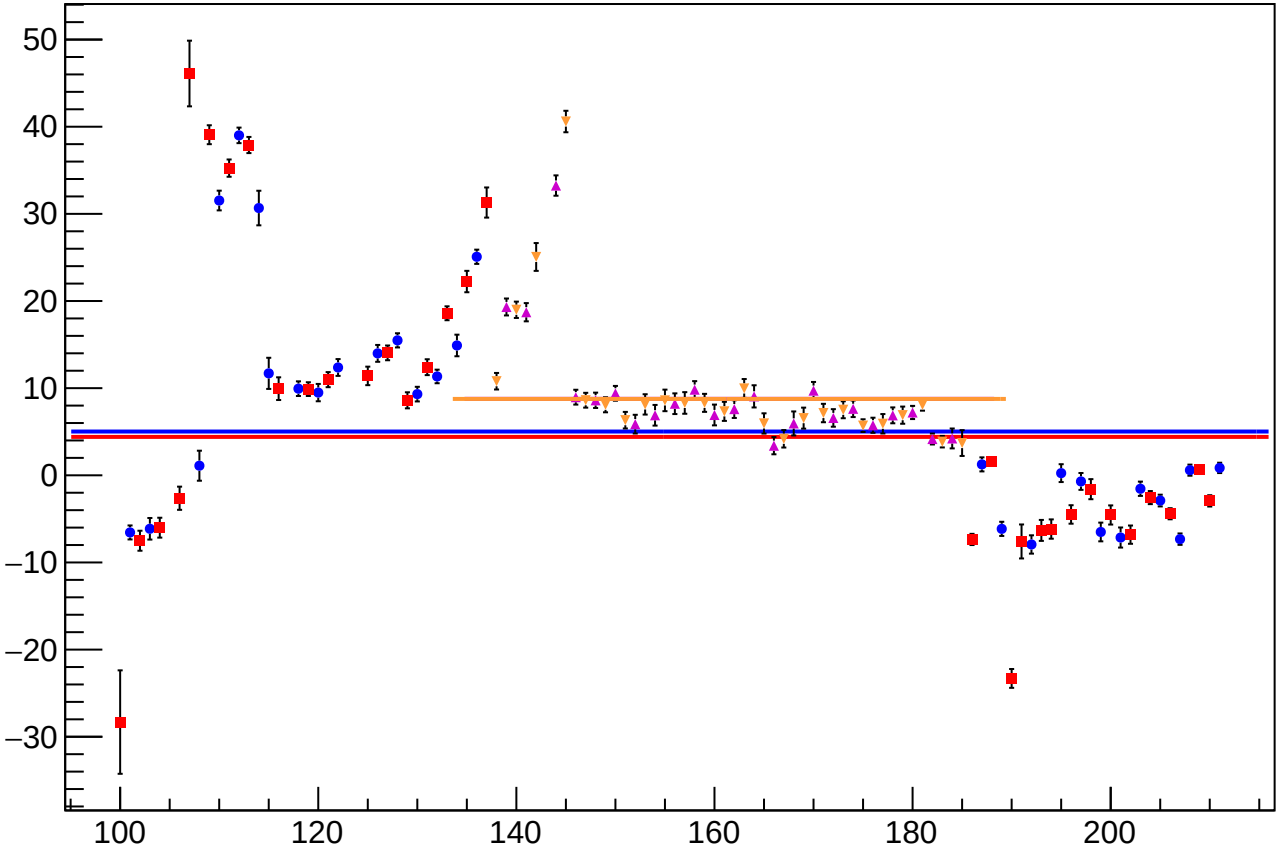
Left In: 1.964+/-0.155 χ^2/NDF:173.2/22

+ sign 3.169+/-0.117 χ^2/NDF: 819.6/51

All: 3.212+/-0.083 χ^2/NDF: 1455.7/106

- sign 3.254+/-0.118 χ^2/NDF: 635.8/54

reg_asym_left_avg_diff_bpm4eX_slope vs Slug



Right In: 5.024+/-0.168 χ^2/NDF: 4900.4/27

Left Out: 8.766+/-0.200 χ^2/NDF:1035.4/23

Right Out: 4.408+/-0.160 χ^2/NDF: 6798.8/31

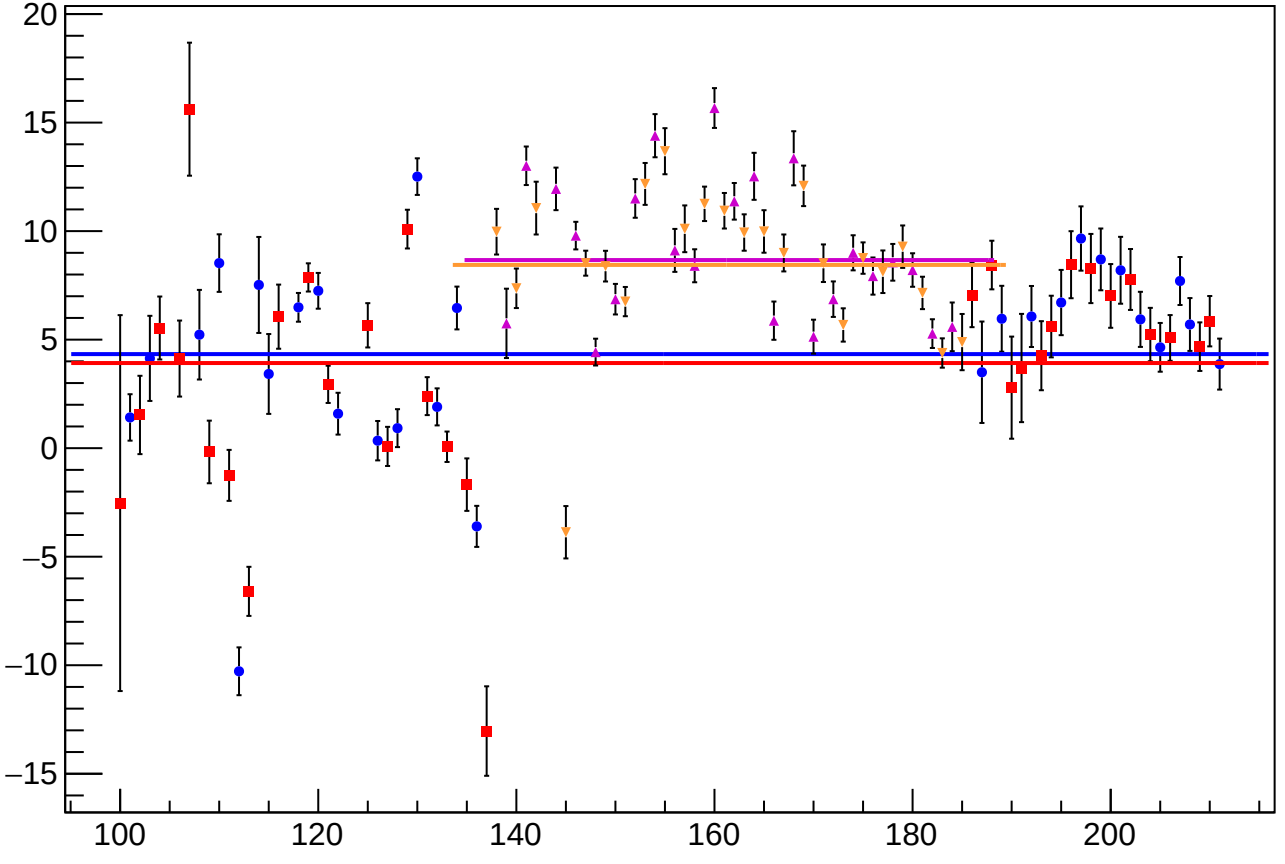
Left In: 8.773+/-0.201 χ^2/NDF:795.1/22

+ sign 6.569+/-0.129 χ^2/NDF: 6140.3/51

All: 6.324+/-0.090 χ^2/NDF: 14029.5/106

- sign 6.093+/-0.125 χ^2/NDF: 7882.2/54

reg_asym_left_avg_diff_bpm4eY_slope vs Slug



Right In: 4.334+/-0.213 χ^2/NDF: 485.3/27

Left Out: 8.442+/-0.174 χ^2/NDF:264.2/23

Right Out: 3.922+/-0.211 χ^2/NDF: 419.7/31

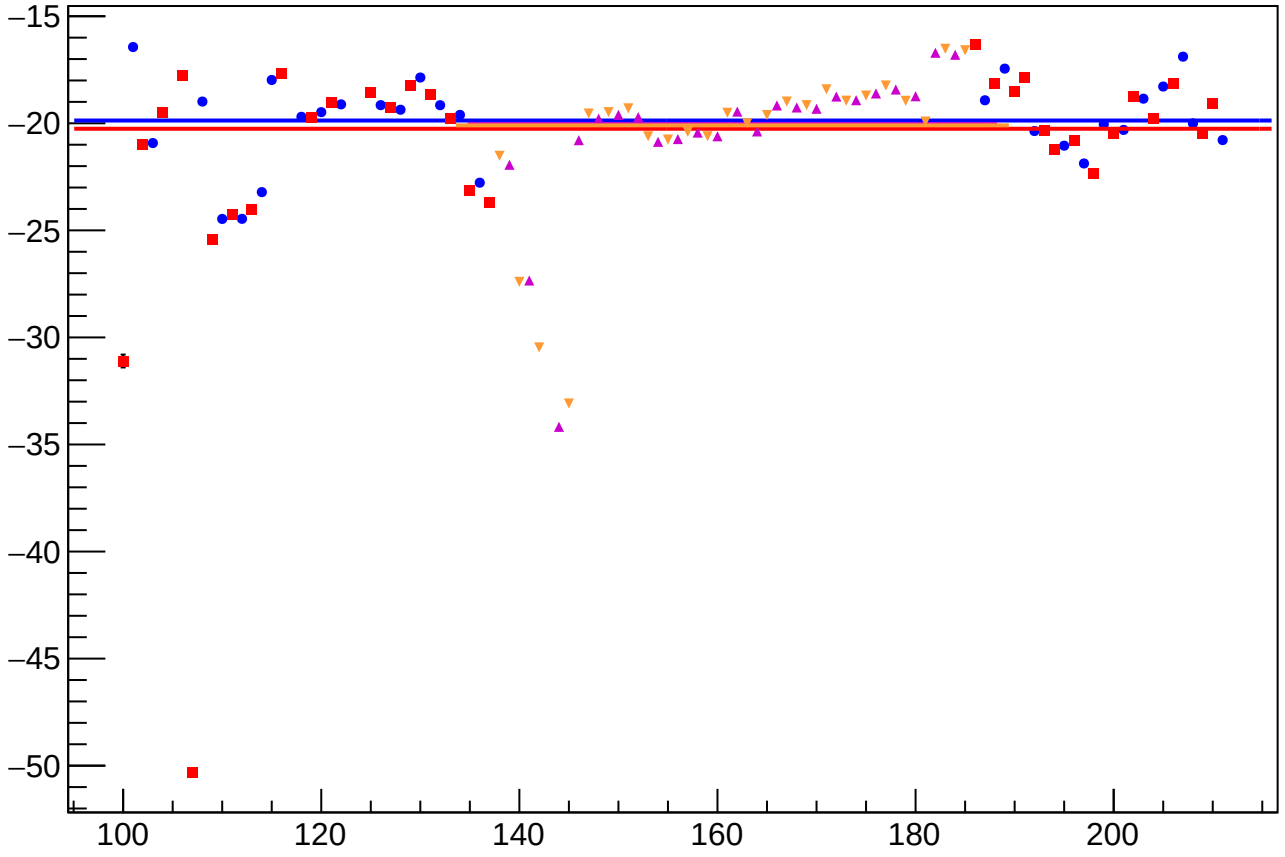
Left In: 8.666+/-0.176 χ^2/NDF:304.8/22

+ sign 6.800+/-0.134 χ^2/NDF: 973.5/51

All: 6.762+/-0.095 χ^2/NDF: 1997.0/106

- sign 6.723+/-0.135 χ^2/NDF: 1023.3/54

reg_asym_left_avg_diff_bpm12X_slope vs Slug



Right In: -19.870+/-0.011 χ^2/NDF: 31295.2/27

Left Out: -20.096+/-0.008 χ^2/NDF:159293.0/23

Right Out: -20.255+/-0.010 χ^2/NDF: 72032.9/31

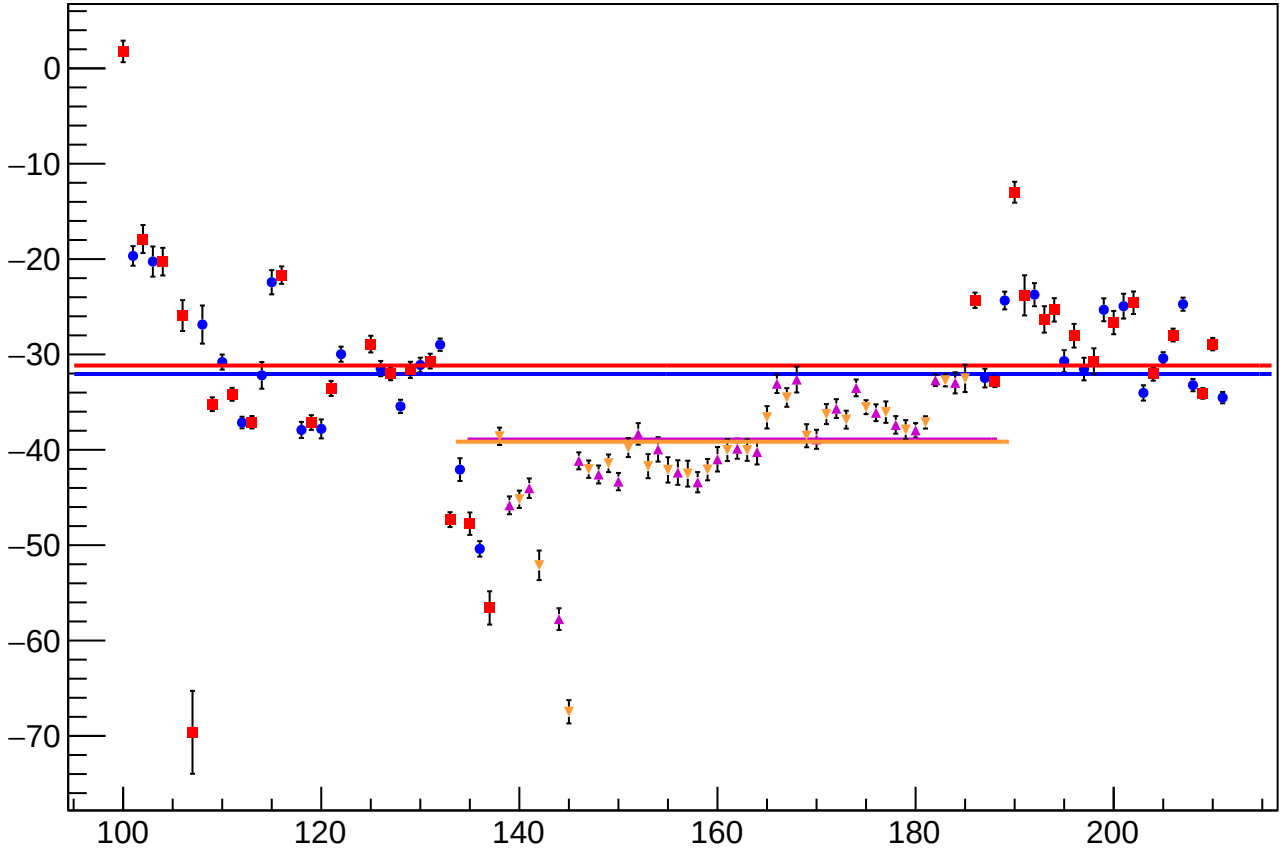
Left In: -20.037+/-0.008 χ^2/NDF:132291.6/22

+ sign -20.015+/-0.006 χ^2/NDF: 190879.3/51

All: -20.067+/-0.004 χ^2/NDF: 395612.5/106

- sign -20.117+/-0.006 χ^2/NDF: 204602.6/54

reg_asym_left_dd_diff_bpm1X_slope vs Slug



Right In: -32.052+/-0.162 χ^2/NDF: 1379.4/27

Left Out: -39.148+/-0.202 χ^2/NDF:898.8/23

Right Out: -31.161+/-0.155 χ^2/NDF: 2758.8/31

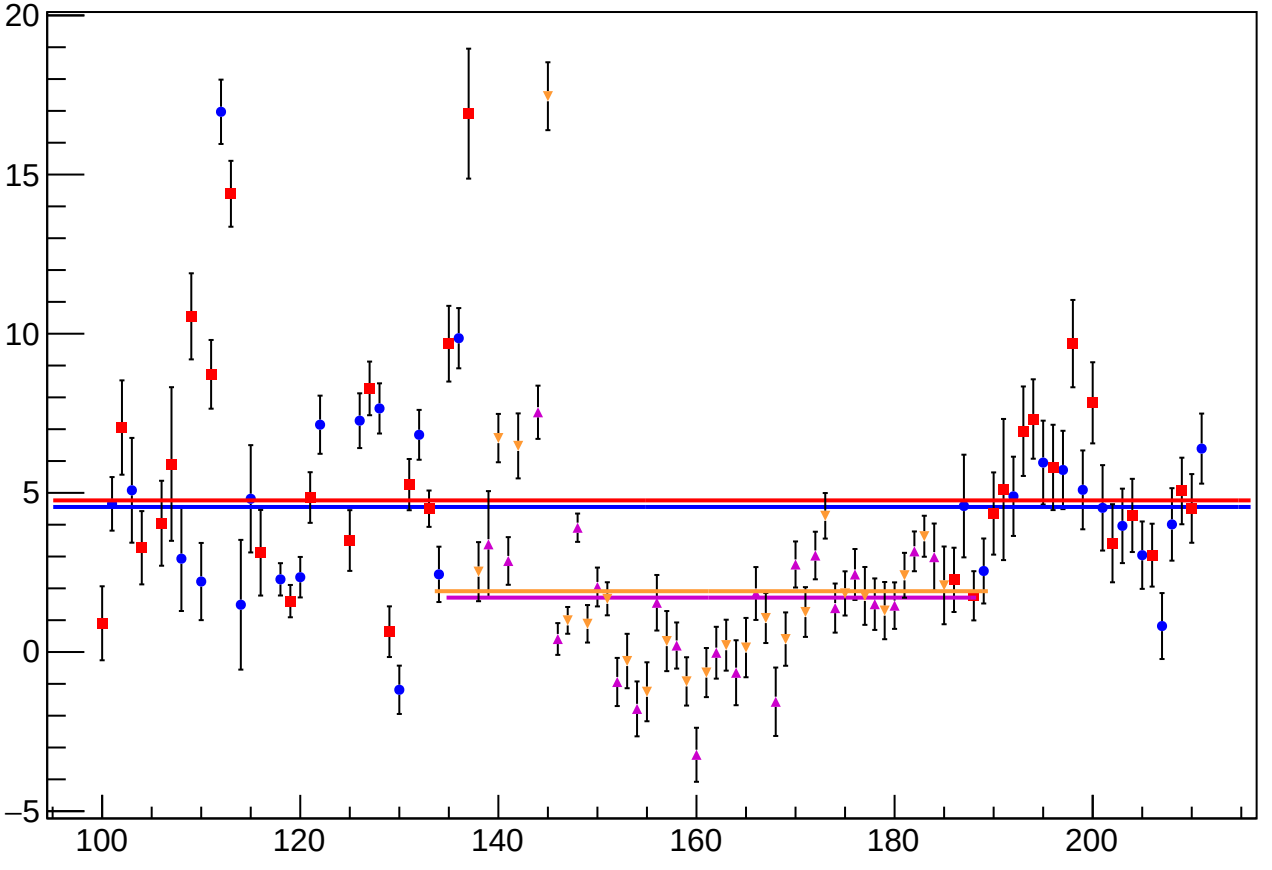
Left In: -38.921+/-0.204 χ^2/NDF:684.4/22

+ sign -34.829+/-0.127 χ^2/NDF: 3026.0/51

All: -34.403+/-0.088 χ^2/NDF: 7410.9/106

- sign -34.000+/-0.123 χ^2/NDF: 4362.9/54

reg_asym_left_dd_diff_bpm4aY_slope vs Slug



Right In: 4.557+/-0.185 χ^2/NDF: 351.0/27

Left Out: 1.911+/-0.152 χ^2/NDF:359.3/23

Right Out: 4.764+/-0.179 χ^2/NDF: 325.1/31

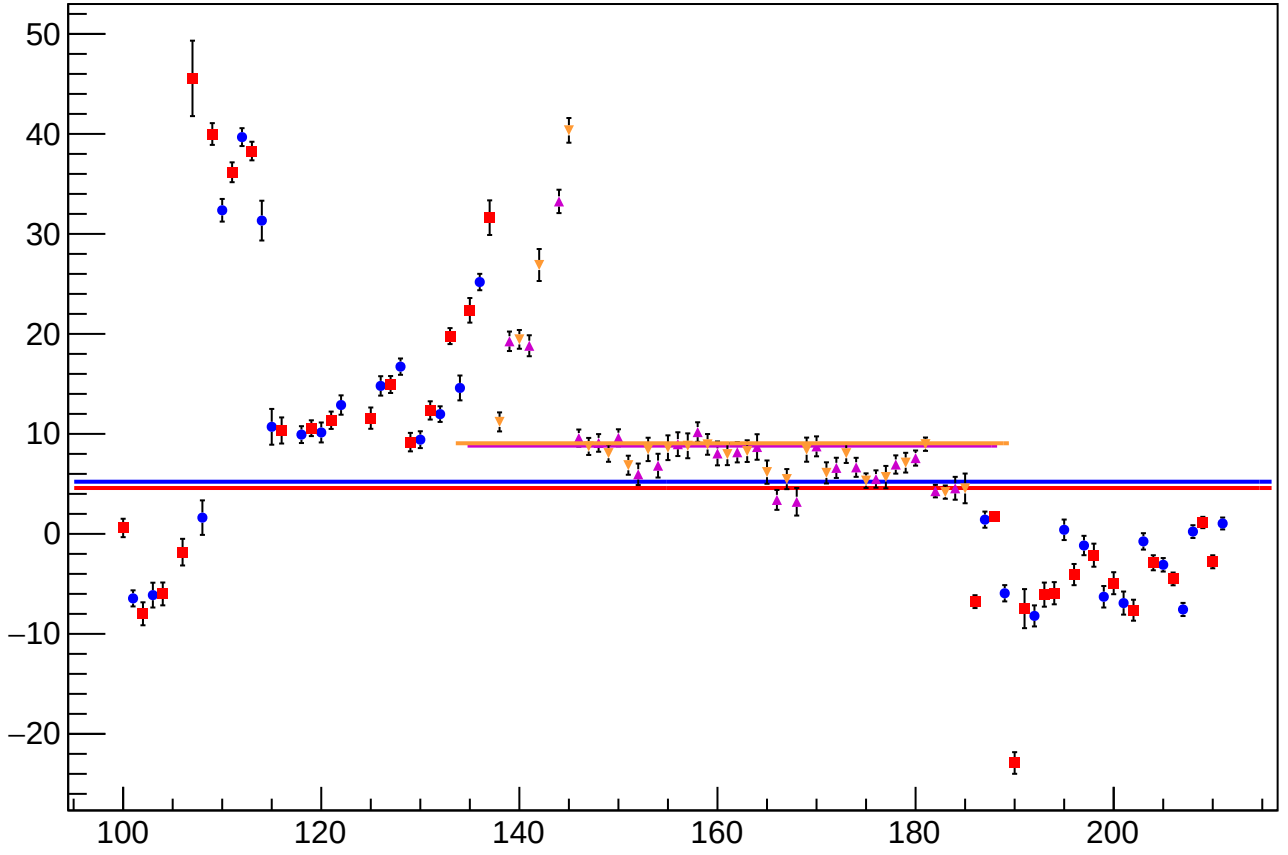
Left In: 1.709+/-0.155 χ^2/NDF:182.6/22

+ sign 2.983+/-0.118 χ^2/NDF: 832.3/51

All: 3.000+/-0.083 χ^2/NDF: 1506.5/106

- sign 3.018+/-0.117 χ^2/NDF: 674.2/54

reg_asym_left_dd_diff_bpm4eX_slope vs Slug



Right In: 5.217+/-0.168 χ^2/NDF: 5065.0/27

Left Out: 9.061+/-0.201 χ^2/NDF:1033.5/23

Right Out: 4.587+/-0.158 χ^2/NDF: 6973.8/31

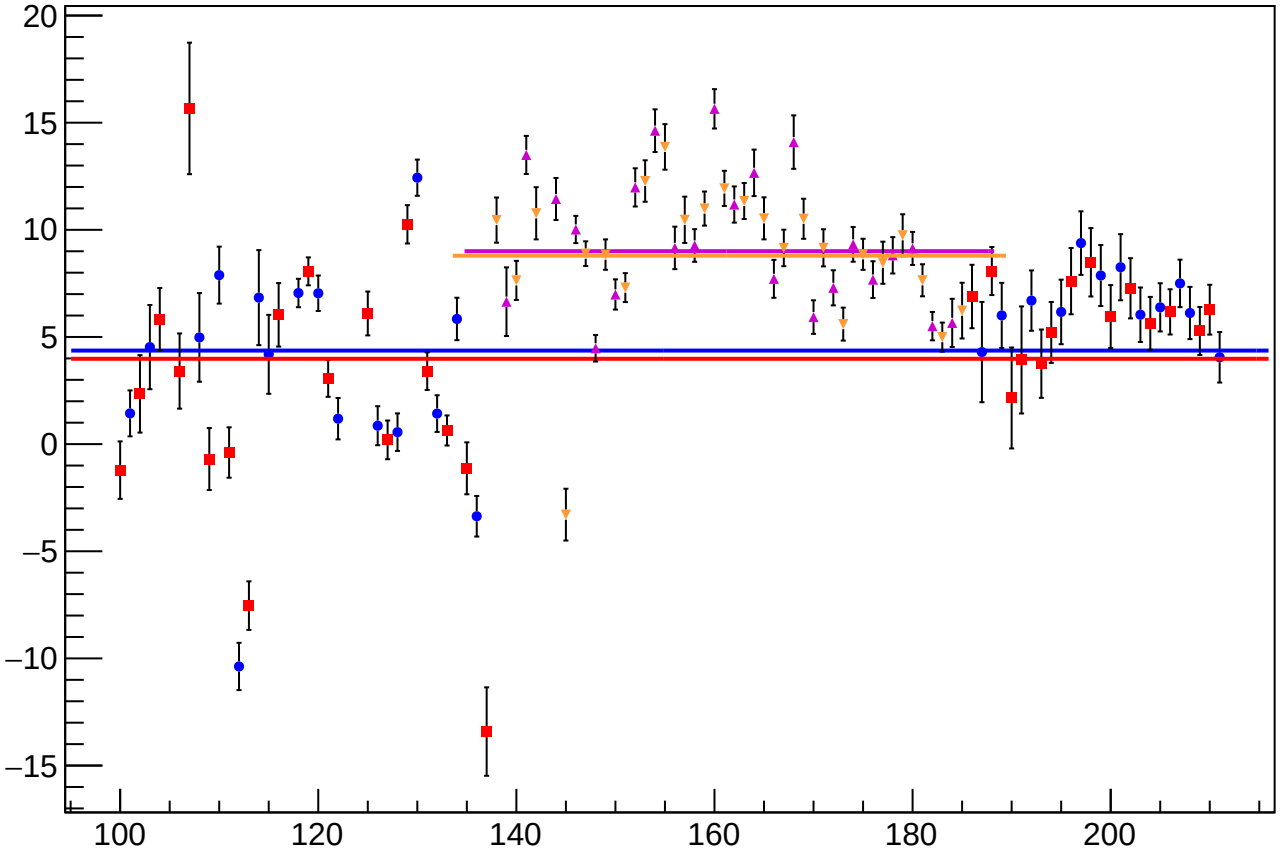
Left In: 8.826+/-0.202 χ^2/NDF:801.4/22

\+ sign 6.805+/-0.129 χ^2/NDF: 6313.5/51

All: 6.487+/-0.090 χ^2/NDF: 14374.2/106

\- sign 6.193+/-0.124 χ^2/NDF: 8049.1/54

reg_asym_left_dd_diff_bpm4eY_slope vs Slug



Right In: 4.366+/-0.213 χ^2/NDF: 481.8/27

Left Out: 8.793+/-0.174 χ^2/NDF:244.1/23

Right Out: 3.982+/-0.209 χ^2/NDF: 435.7/31

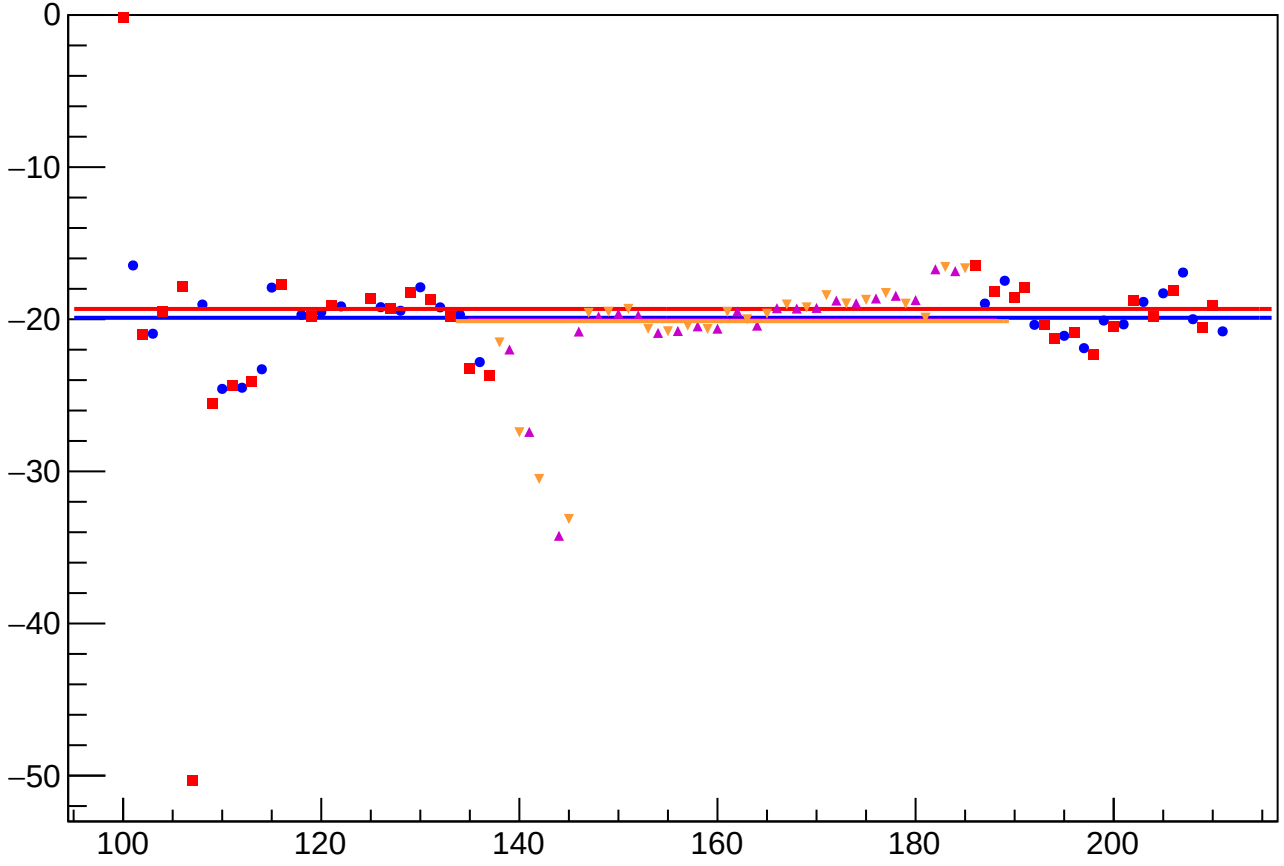
Left In: 9.004+/-0.176 χ^2/NDF:289.6/22

+ sign 7.023+/-0.135 χ^2/NDF: 985.0/51

All: 6.971+/-0.095 χ^2/NDF: 2048.7/106

- sign 6.918+/-0.135 χ^2/NDF: 1063.4/54

reg_asym_left_dd_diff_bpm12X_slope vs Slug



Right In: -19.904+/-0.011 χ^2/NDF: 31293.1/27

Left Out: -20.123+/-0.008 χ^2/NDF:158578.7/23

Right Out: -19.321+/-0.010 χ^2/NDF: 248092.1/31

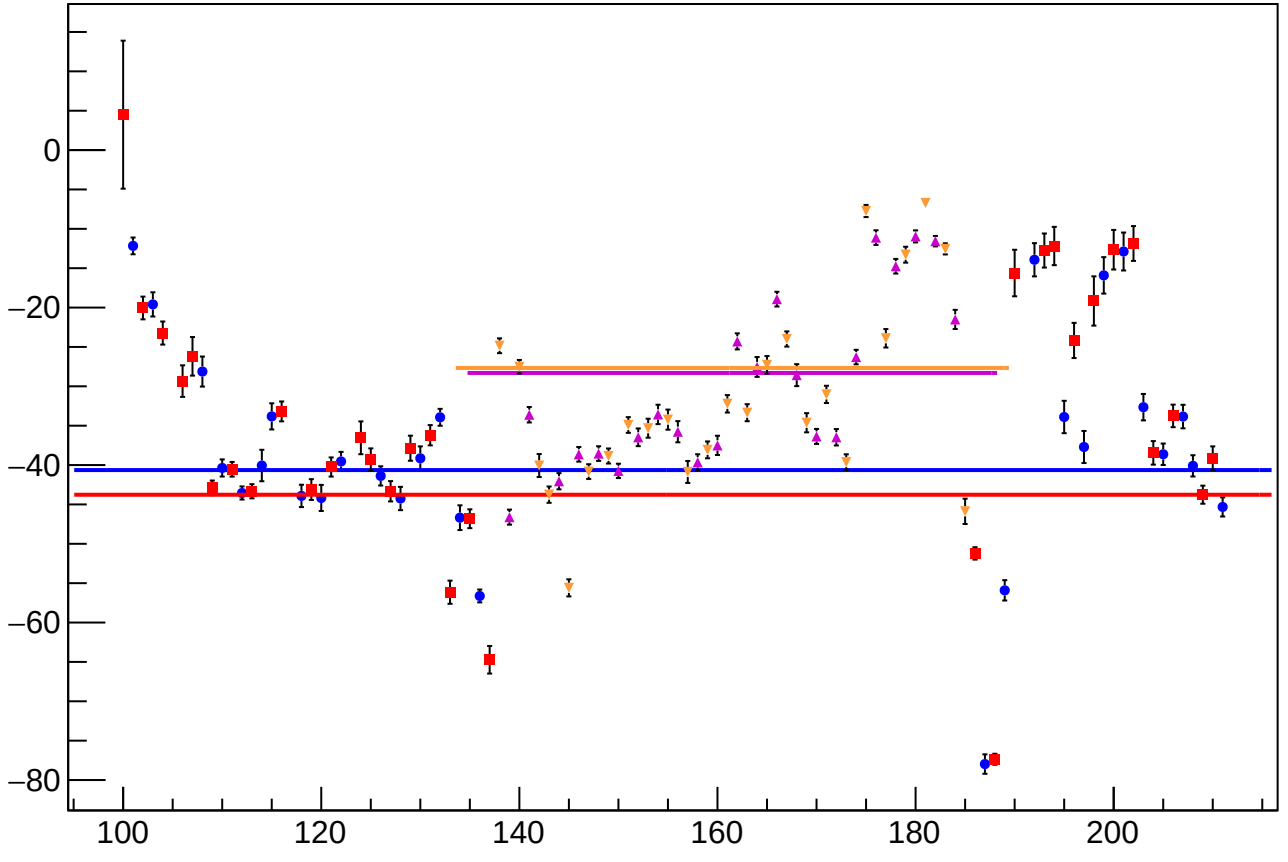
Left In: -20.063+/-0.008 χ^2/NDF:132690.0/22

+ sign -20.045+/-0.006 χ^2/NDF: 190146.6/51

All: -19.911+/-0.004 χ^2/NDF: 575116.6/106

- sign -19.783+/-0.006 χ^2/NDF: 384105.9/54

reg_asym_right_avg_diff_bpm1X_slope vs Slug



Right In: -40.638+/-0.256 χ^2/NDF: 2965.7/27

Left Out: -27.668+/-0.200 χ^2/NDF:4396.9/24

Right Out: -43.769+/-0.238 χ^2/NDF: 4435.3/31

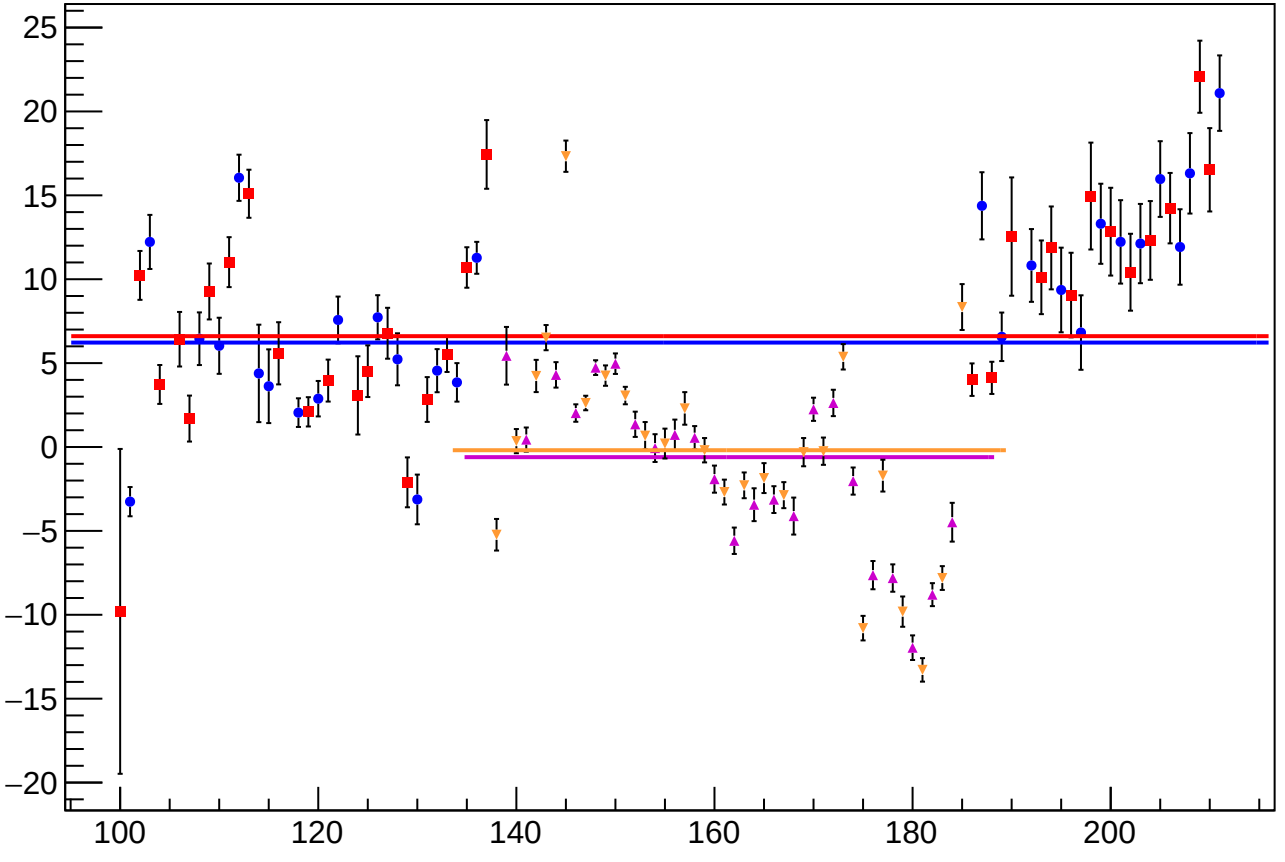
Left In: -28.303+/-0.206 χ^2/NDF:3273.4/22

+ sign -32.596+/-0.158 χ^2/NDF: 8953.3/52

All: -33.766+/-0.111 χ^2/NDF: 19182.5/107

- sign -34.906+/-0.156 χ^2/NDF: 10120.8/54

reg_asym_right_avg_diff_bpm4aY_slope vs Slug



Right In: 6.224+/-0.282 χ^2/NDF: 425.8/27

Left Out: -0.192+/-0.150 χ^2/NDF:1545.3/24

Right Out: 6.606+/-0.272 χ^2/NDF: 319.9/31

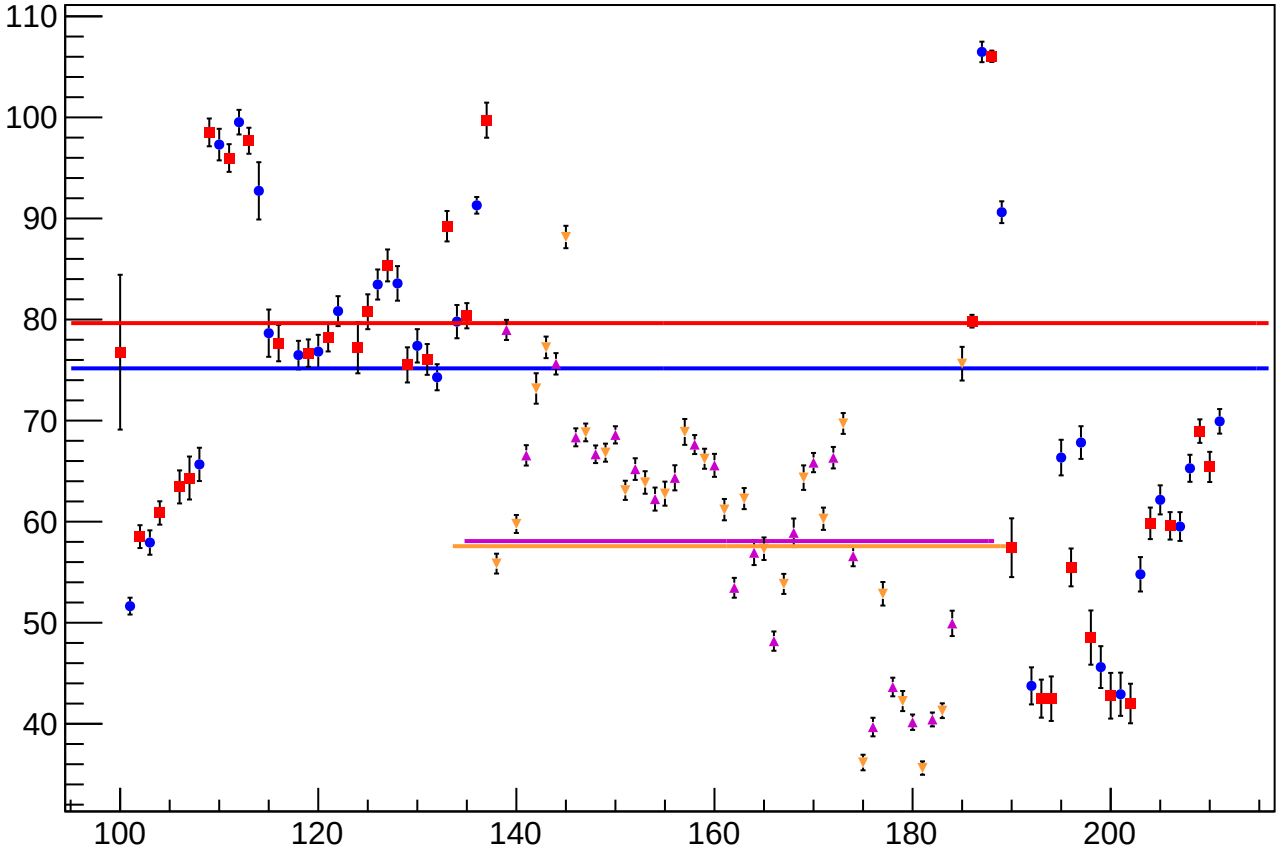
Left In: -0.605+/-0.155 χ^2/NDF:974.6/22

+ sign 1.227+/-0.132 χ^2/NDF: 2375.2/52

All: 1.197+/-0.094 χ^2/NDF: 4200.2/107

- sign 1.166+/-0.135 χ^2/NDF: 1824.9/54

reg_asym_right_avg_diff_bpm4eX_slope vs Slug



Right In: 75.169+/-0.261 χ^2/NDF: 4491.6/27

Left Out: 57.573+/-0.199 χ^2/NDF:4685.5/24

Right Out: 79.645+/-0.238 χ^2/NDF: 5955.5/31

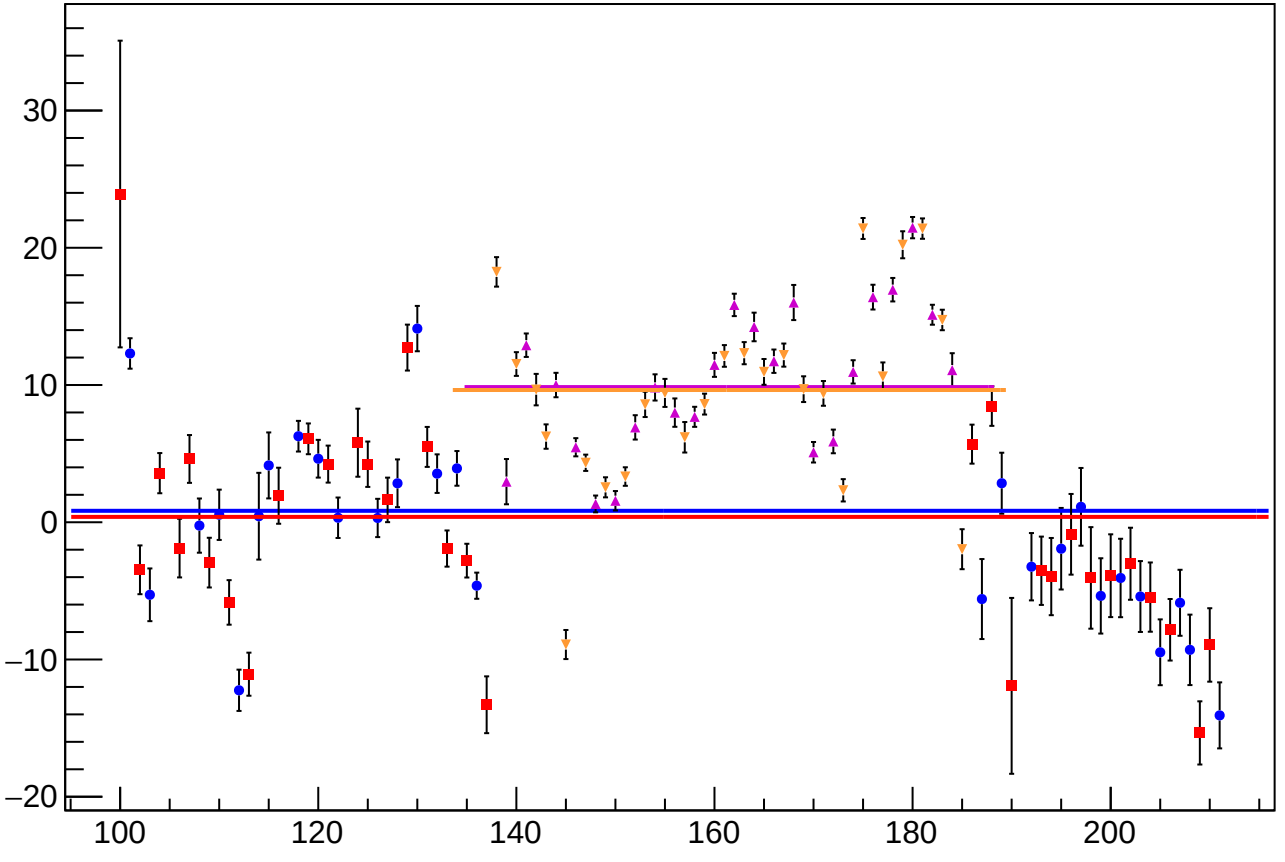
Left In: 58.080+/-0.203 χ^2/NDF:3558.6/22

+ sign 64.035+/-0.158 χ^2/NDF: 12048.9/52

All: 65.643+/-0.111 χ^2/NDF: 26505.1/107

- sign 67.179+/-0.155 χ^2/NDF: 14254.3/54

reg_asym_right_avg_diff_bpm4eY_slope vs Slug



Right In: 0.834+/-0.326 χ^2/NDF: 438.2/27

Left Out: 9.636+/-0.171 χ^2/NDF:1491.5/24

Right Out: 0.391+/-0.322 χ^2/NDF: 394.6/31

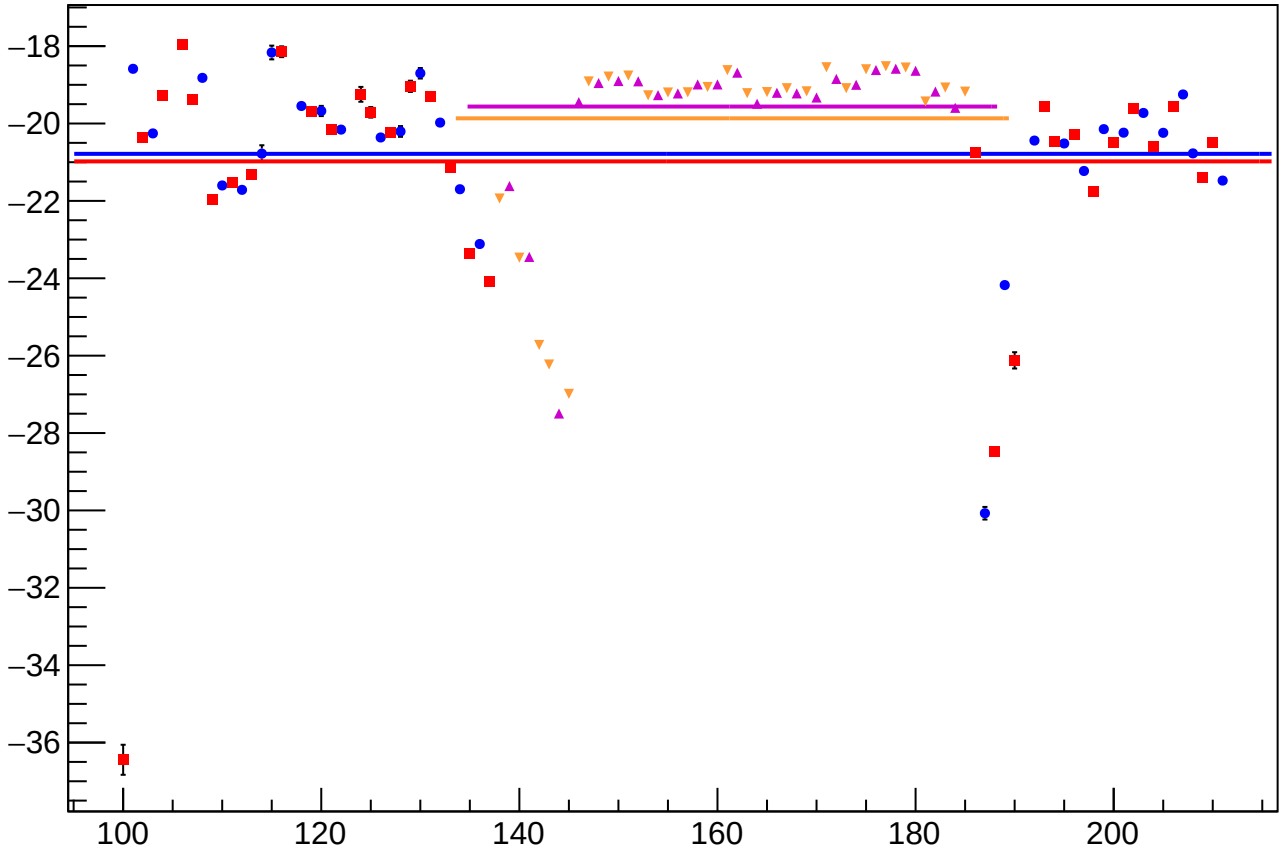
Left In: 9.849+/-0.176 χ^2/NDF:993.0/22

+ sign 7.733+/-0.152 χ^2/NDF: 2499.9/52

All: 7.701+/-0.108 χ^2/NDF: 4551.0/107

- sign 7.669+/-0.155 χ^2/NDF: 2051.0/54

reg_asym_right_avg_diff_bpm12X_slope vs Slug



Right In: -20.784+/-0.016 χ^2/NDF: 12573.4/27

Left Out: -19.866+/-0.008 χ^2/NDF:78894.3/24

Right Out: -20.979+/-0.016 χ^2/NDF: 20701.4/31

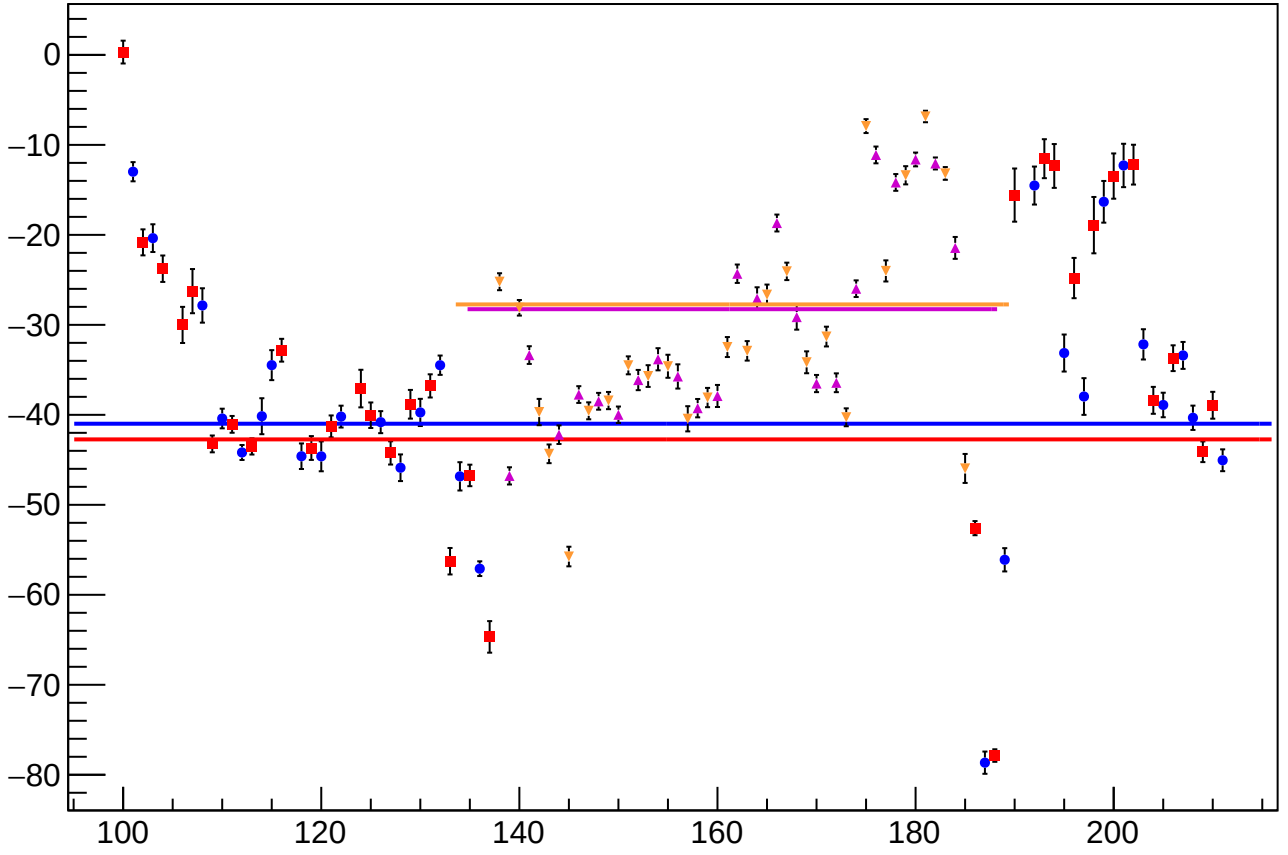
Left In: -19.562+/-0.008 χ^2/NDF:45172.6/22

+ sign -20.047+/-0.007 χ^2/NDF: 94149.8/52

All: -19.946+/-0.005 χ^2/NDF: 166764.0/107

- sign -19.844+/-0.007 χ^2/NDF: 72206.2/54

reg_asym_right_dd_diff_bpm1X_slope vs Slug



Right In: -40.988+/-0.256 χ^2/NDF: 2970.5/27

Left Out: -27.729+/-0.201 χ^2/NDF:4299.7/24

Right Out: -42.729+/-0.235 χ^2/NDF: 5645.0/31

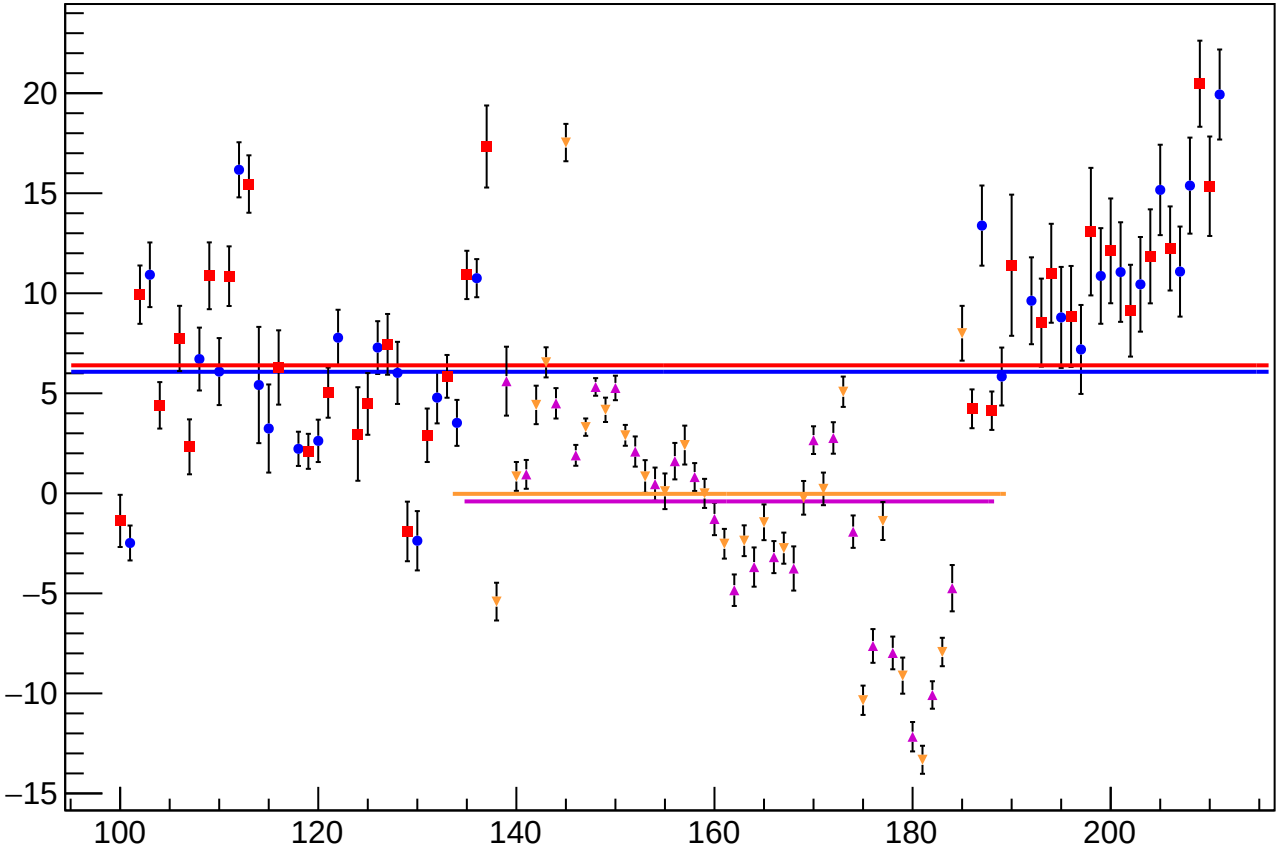
Left In: -28.260+/-0.206 χ^2/NDF:3172.7/22

+ sign -32.768+/-0.158 χ^2/NDF: 8927.8/52

All: -33.684+/-0.111 χ^2/NDF: 19956.7/107

- sign -34.563+/-0.155 χ^2/NDF: 10963.1/54

reg_asym_right_dd_diff_bpm4aY_slope vs Slug



Right In: 6.076+/-0.282 χ^2/NDF: 359.5/27

Left Out: -0.026+/-0.150 χ^2/NDF:1531.8/24

Right Out: 6.398+/-0.267 χ^2/NDF: 317.4/31

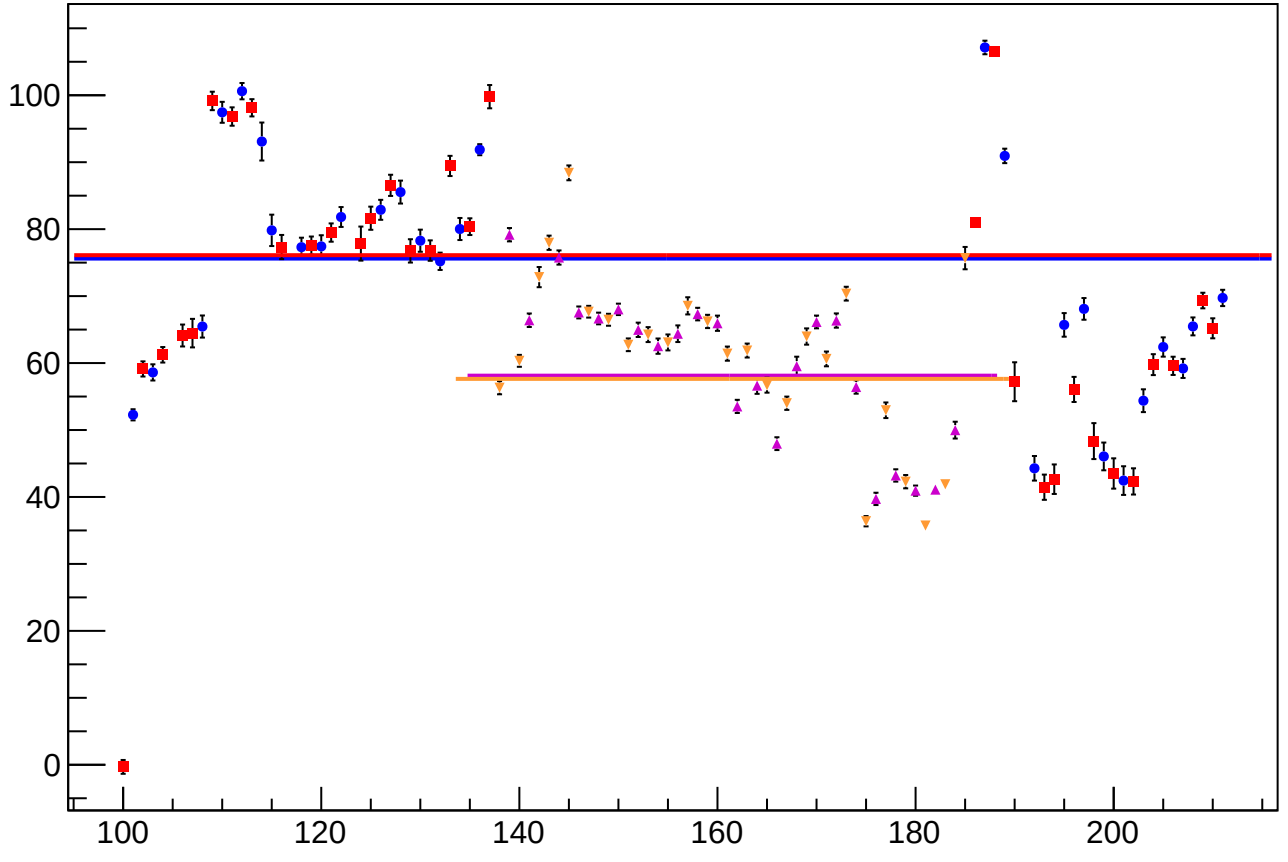
Left In: -0.404+/-0.155 χ^2/NDF:1084.1/22

+ sign 1.323+/-0.133 χ^2/NDF: 2255.6/52

All: 1.322+/-0.094 χ^2/NDF: 4142.6/107

- sign 1.320+/-0.134 χ^2/NDF: 1886.9/54

reg_asym_right_dd_diff_bpm4eX_slope vs Slug



Right In: 75.607+/-0.262 χ^2/NDF: 4558.4/27

Left Out: 57.638+/-0.199 χ^2/NDF:4612.7/24

Right Out: 76.112+/-0.232 χ^2/NDF: 11776.7/31

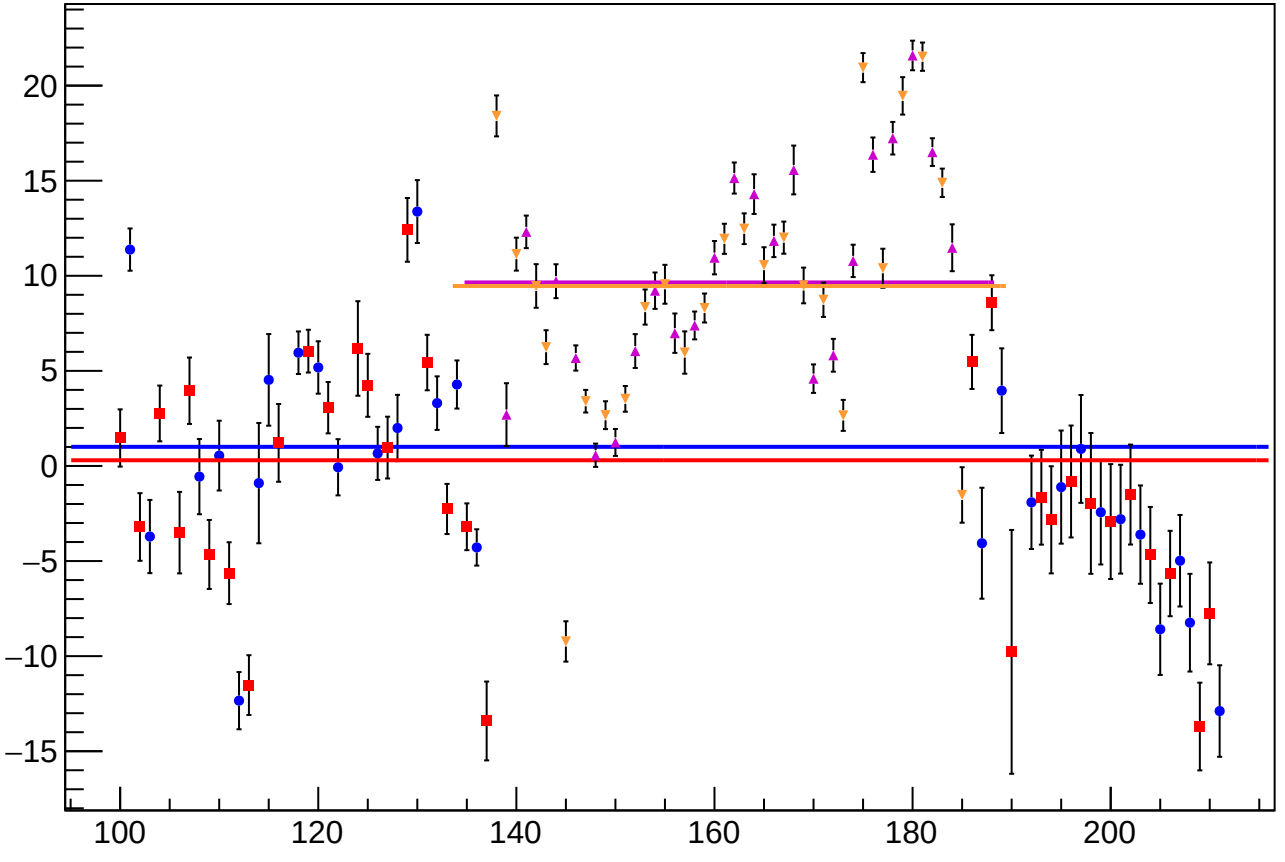
Left In: 58.117+/-0.204 χ^2/NDF:3443.9/22

+ sign 64.237+/-0.159 χ^2/NDF: 12157.5/52

All: 65.117+/-0.110 χ^2/NDF: 30824.9/107

- sign 65.939+/-0.153 χ^2/NDF: 18607.8/54

reg_asym_right_dd_diff_bpm4eY_slope vs Slug



Right In: 1.006+/-0.327 χ^2/NDF: 382.3/27

Left Out: 9.461+/-0.172 χ^2/NDF:1483.1/24

Right Out: 0.299+/-0.316 χ^2/NDF: 363.7/31

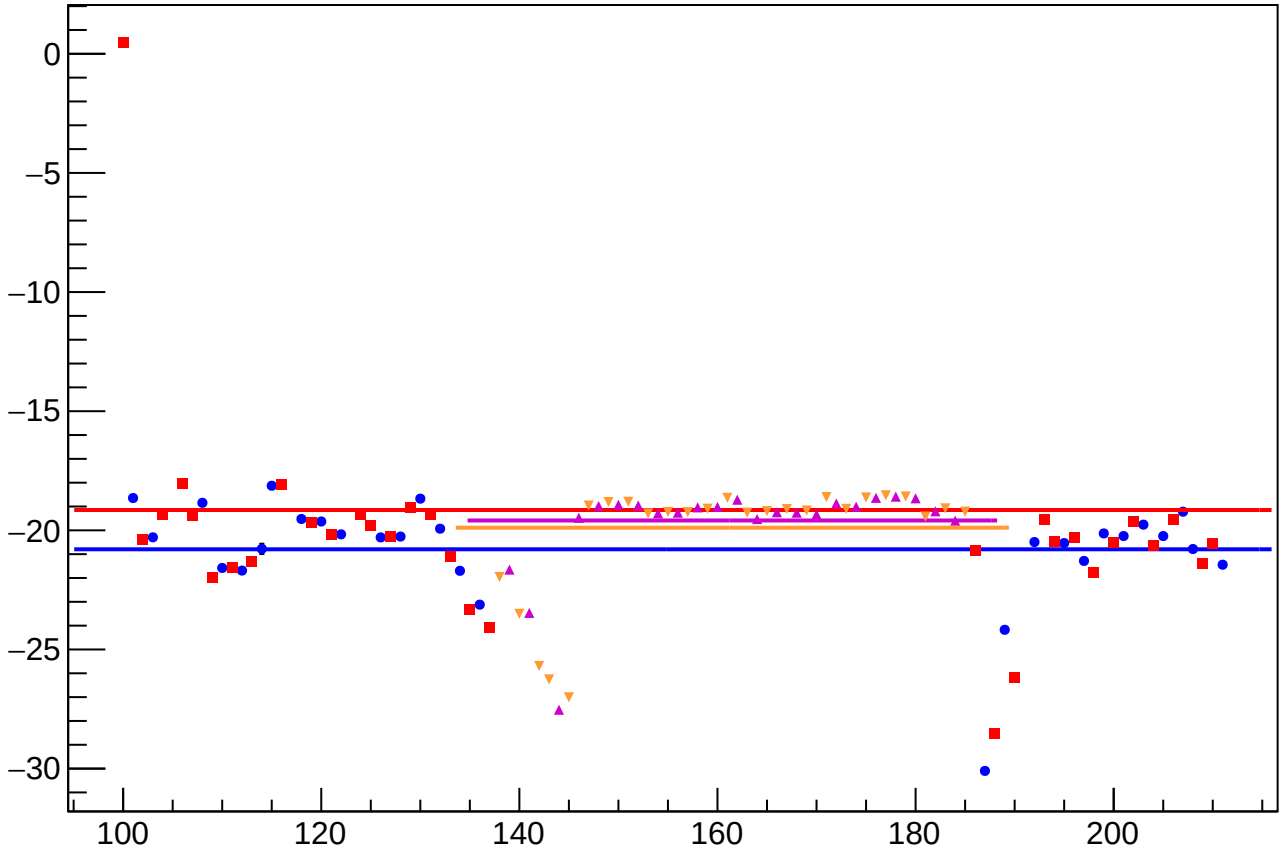
Left In: 9.650+/-0.177 χ^2/NDF:1078.5/22

+ sign 7.633+/-0.152 χ^2/NDF: 2390.0/52

All: 7.528+/-0.108 χ^2/NDF: 4501.9/107

- sign 7.419+/-0.154 χ^2/NDF: 2110.9/54

reg_asym_right_dd_diff_bpm12X_slope vs Slug



Right In: -20.796+/-0.016 χ^2/NDF: 12458.1/27

Left Out: -19.889+/-0.008 χ^2/NDF:78512.6/24

Right Out: -19.147+/-0.015 χ^2/NDF: 172463.1/31

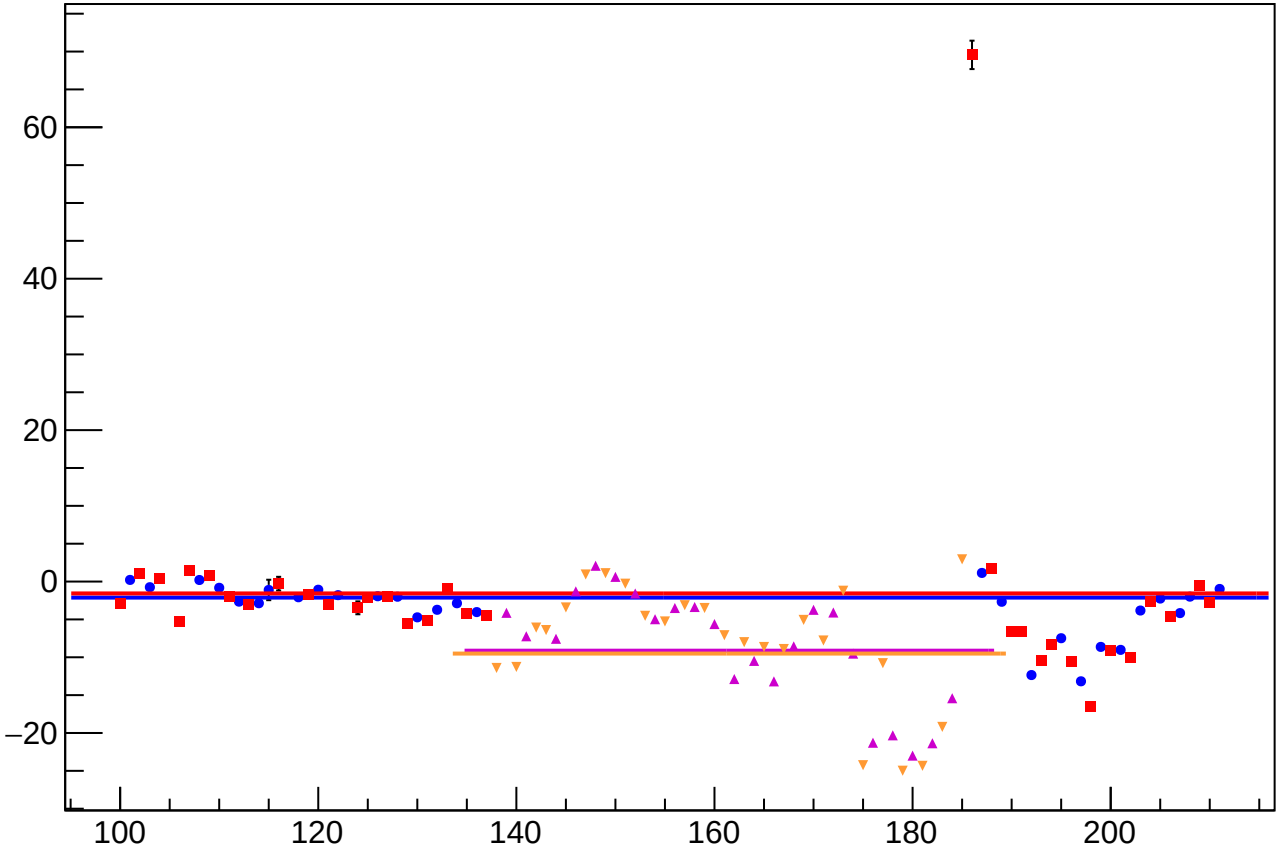
Left In: -19.586+/-0.008 χ^2/NDF:45085.3/22

+ sign -20.067+/-0.007 χ^2/NDF: 93580.9/52

All: -19.780+/-0.005 χ^2/NDF: 315094.5/107

- sign -19.492+/-0.007 χ^2/NDF: 218198.6/54

reg_asym_sam_15_avg_diff_bpm1X_slope vs Slug



Right In: -2.118+/-0.049 χ^2/NDF: 3356.6/27

Left Out: -9.512+/-0.073 χ^2/NDF:12916.4/24

Right Out: -1.568+/-0.045 χ^2/NDF: 6970.0/32

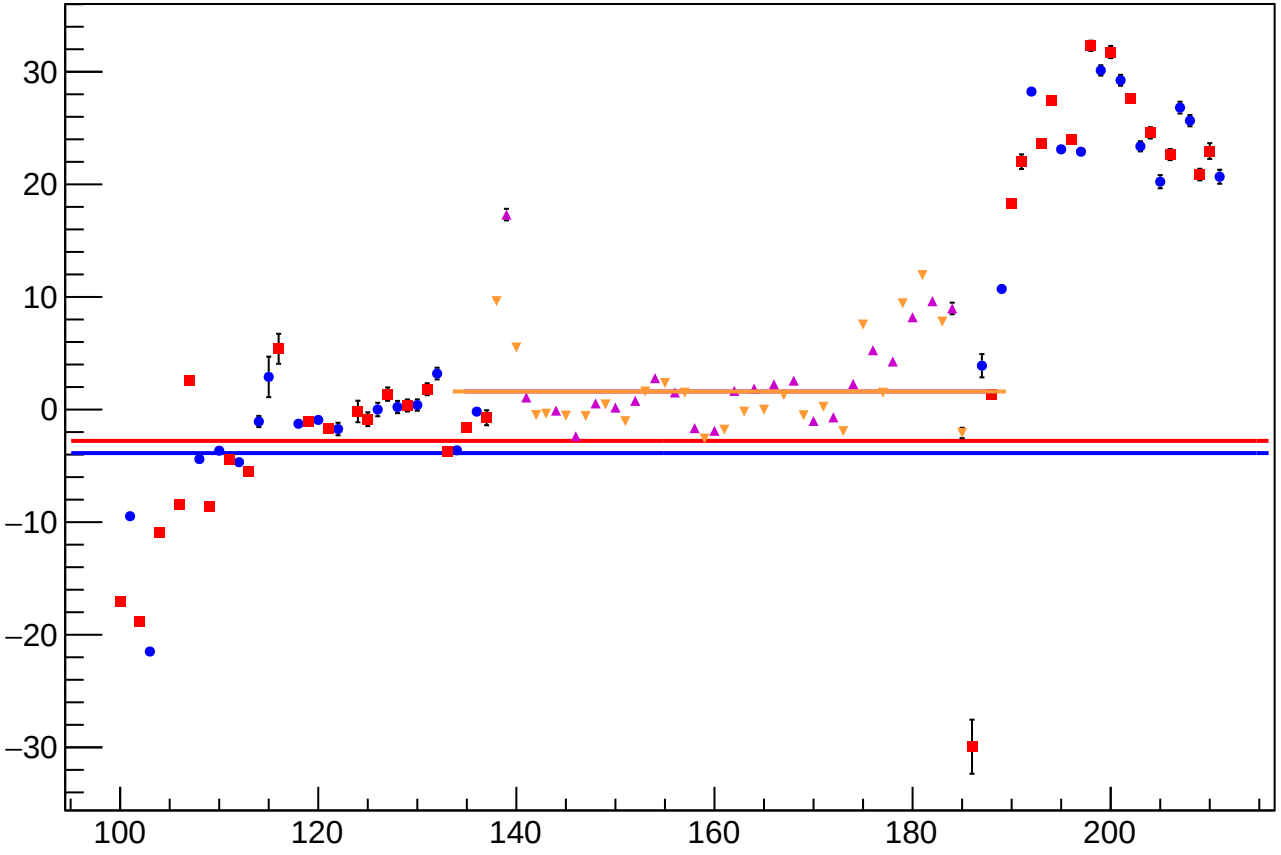
Left In: -9.131+/-0.075 χ^2/NDF:10390.6/22

+ sign -4.400+/-0.040 χ^2/NDF: 23436.9/52

All: -3.962+/-0.028 χ^2/NDF: 48551.0/108

- sign -3.565+/-0.038 χ^2/NDF: 24889.6/55

reg_asym_sam_15_avg_diff_bpm4aY_slope vs Slug



Right In: -3.866+/-0.052 χ^2/NDF: 62842.4/27

Left Out: 1.606+/-0.055 χ^2/NDF:4677.2/24

Right Out: -2.781+/-0.052 χ^2/NDF: 66761.8/32

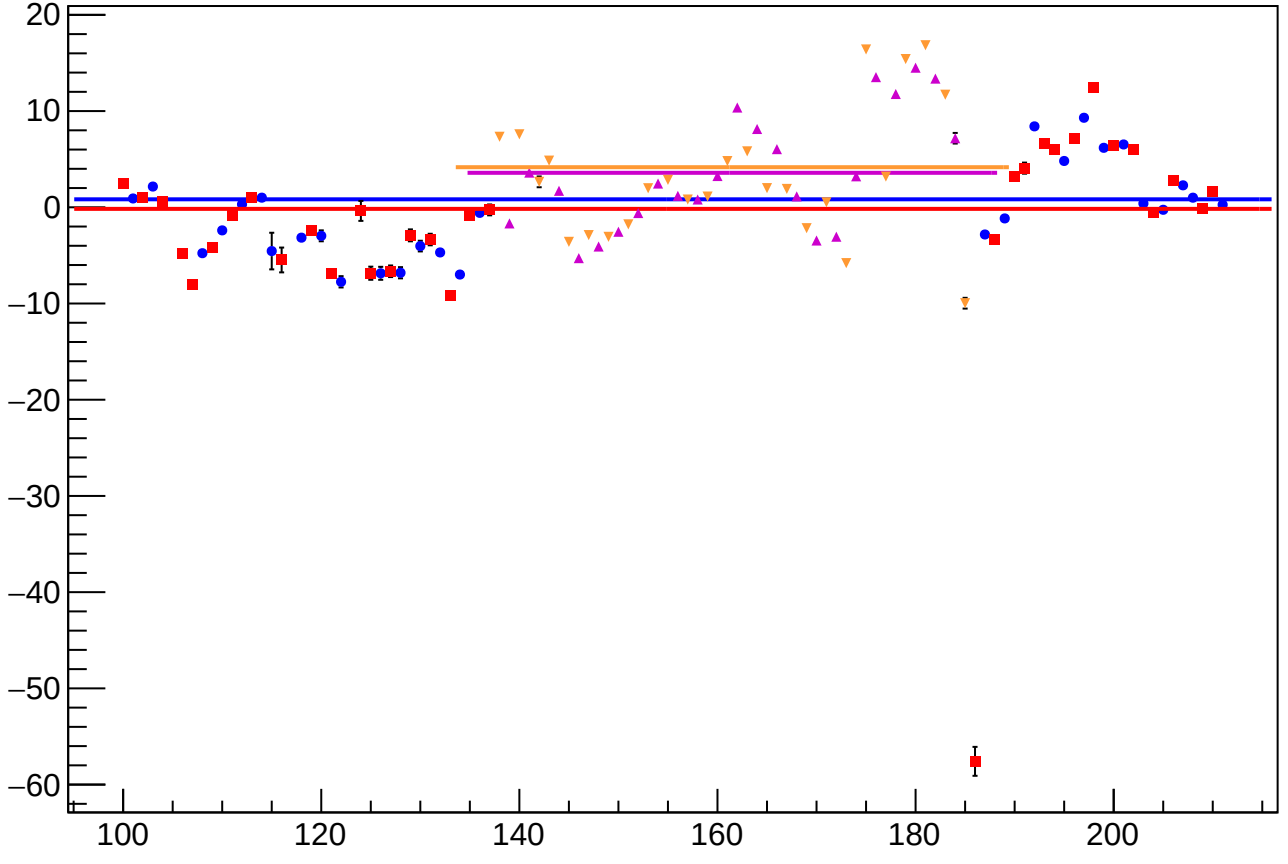
Left In: 1.605+/-0.058 χ^2/NDF:3656.4/22

+ sign -1.266+/-0.038 χ^2/NDF: 72680.9/52

All: -1.047+/-0.027 χ^2/NDF: 146366.7/108

- sign -0.822+/-0.039 χ^2/NDF: 73618.7/55

reg_asym_sam_15_avg_diff_bpm4eX_slope vs Slug



Right In: 0.830+/-0.047 χ^2/NDF: 4175.9/27

Left Out: 4.167+/-0.072 χ^2/NDF:9246.5/24

Right Out: -0.164+/-0.045 χ^2/NDF: 8227.3/32

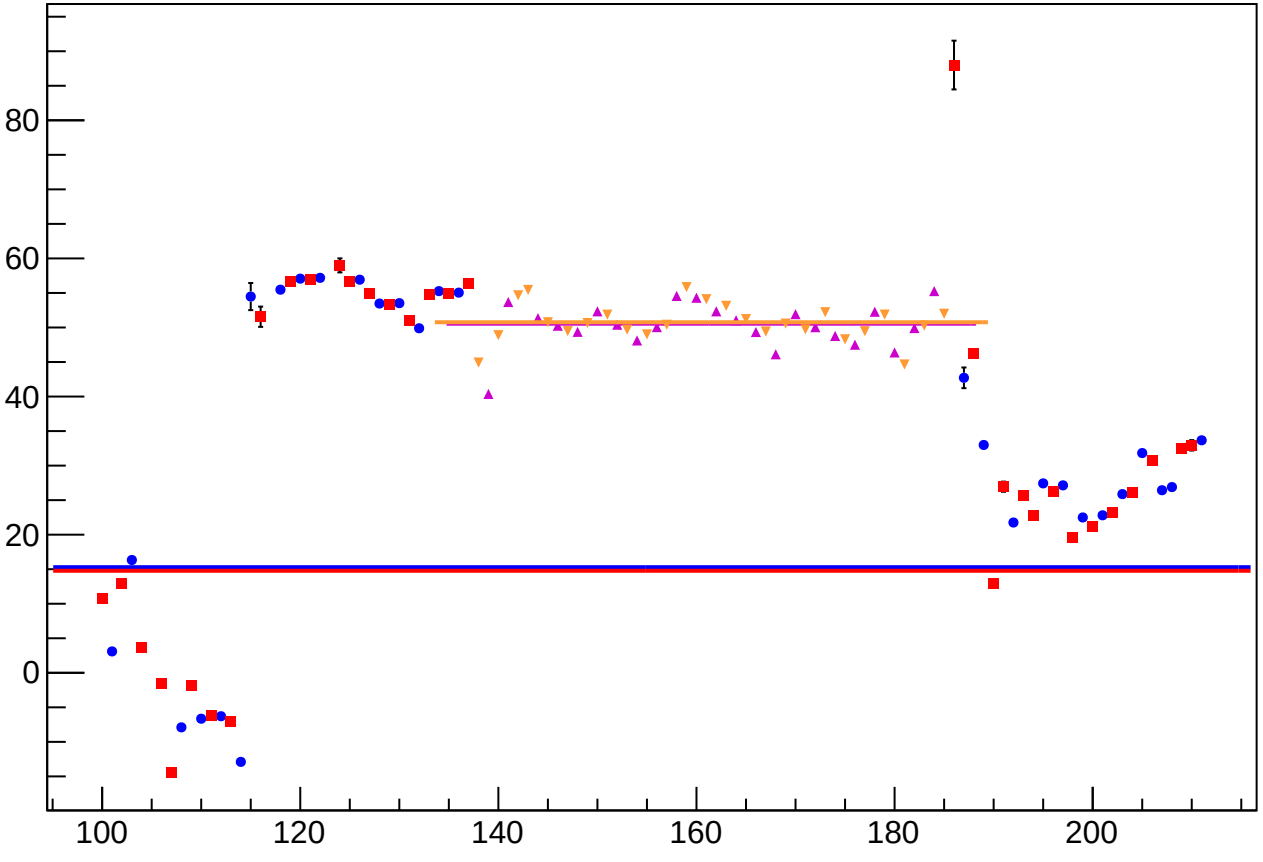
Left In: 3.584+/-0.074 χ^2/NDF:7228.4/22

+ sign 1.816+/-0.039 χ^2/NDF: 14931.4/52

All: 1.327+/-0.027 χ^2/NDF: 32563.5/108

- sign 0.855+/-0.039 χ^2/NDF: 17326.3/55

reg_asym_sam_15_avg_diff_bpm4eY_slope vs Slug



Right In: 15.292+/-0.062 χ^2/NDF: 115585.7/27

Left Out: 50.761+/-0.062 χ^2/NDF:1748.6/24

Right Out: 14.773+/-0.061 χ^2/NDF: 132374.3/32

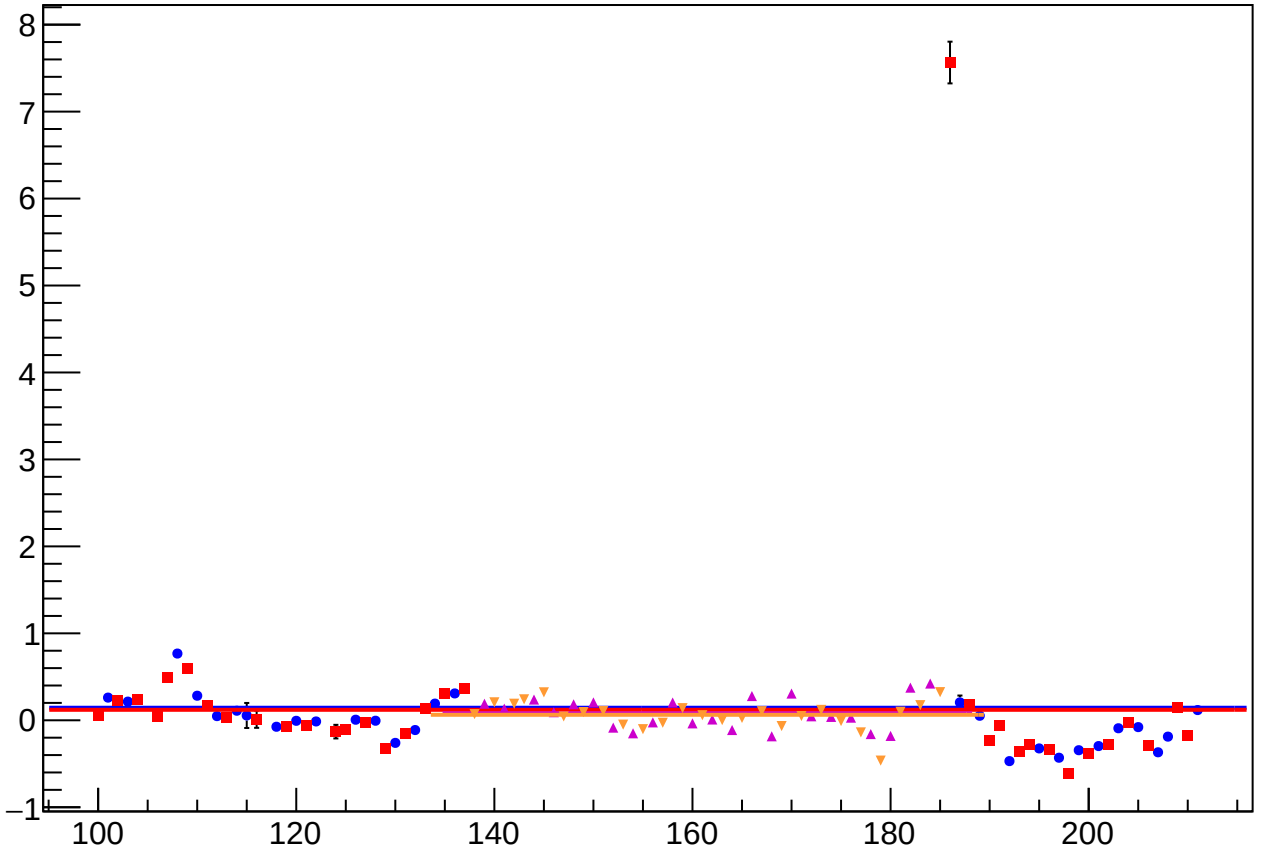
Left In: 50.550+/-0.065 χ^2/NDF:1717.7/22

+ sign 32.996+/-0.044 χ^2/NDF: 278961.7/52

All: 32.361+/-0.031 χ^2/NDF: 574130.1/108

- sign 31.712+/-0.045 χ^2/NDF: 294749.4/55

reg_asym_sam_15_avg_diff_bpm12X_slope vs Slug



Right In: 0.144+/-0.002 χ^2/NDF: 13497.8/27

Left Out: 0.063+/-0.003 χ^2/NDF:2566.7/24

Right Out: 0.121+/-0.002 χ^2/NDF: 13026.7/32

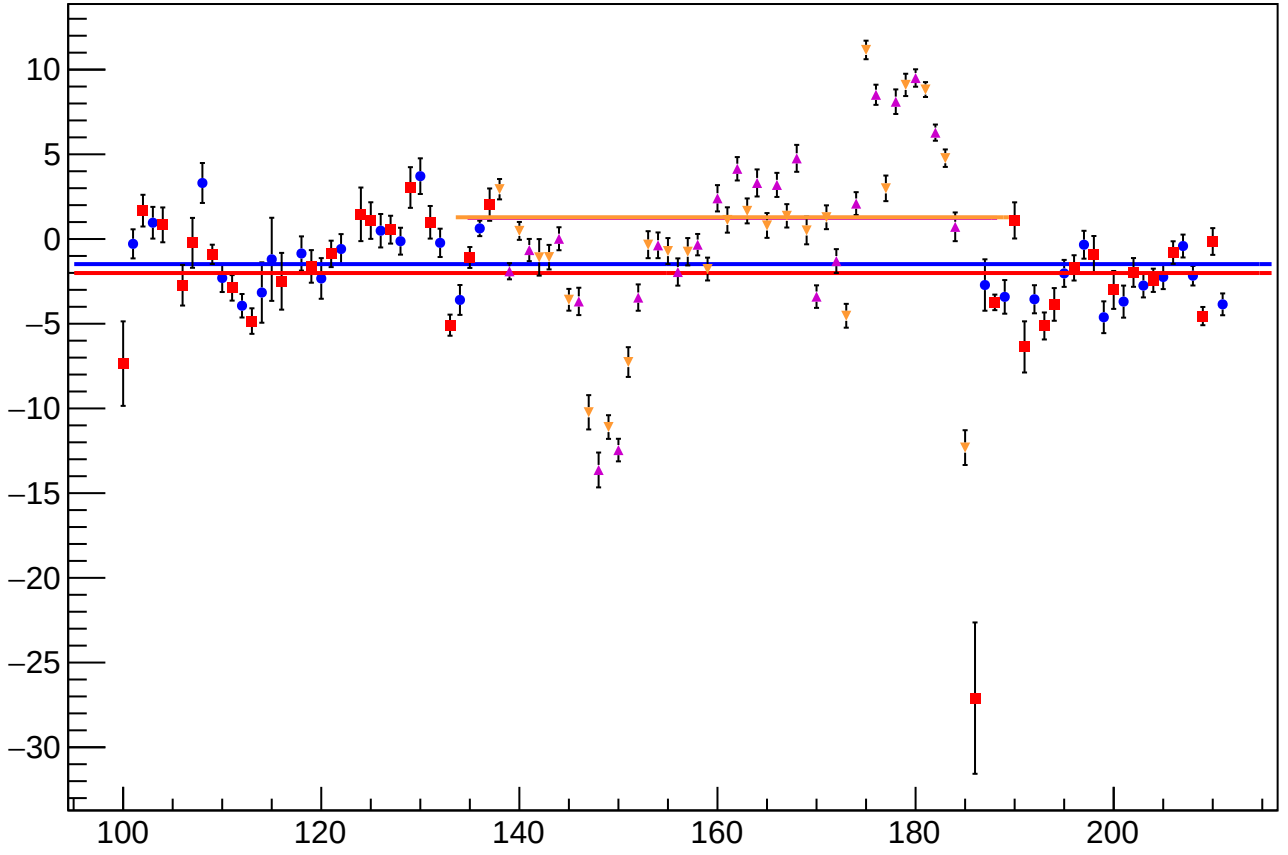
Left In: 0.080+/-0.003 χ^2/NDF:3446.5/22

+ sign 0.109+/-0.002 χ^2/NDF: 16536.5/52

All: 0.106+/-0.001 χ^2/NDF: 33136.2/108

- sign 0.104+/-0.002 χ^2/NDF: 16595.5/55

reg_asym_sam_15_dd_diff_bpm1X_slope vs Slug



Right In: -1.481+/-0.156 χ^2/NDF: 153.7/27

Left Out: 1.283+/-0.137 χ^2/NDF:1715.5/24

Right Out: -2.008+/-0.146 χ^2/NDF: 260.9/32

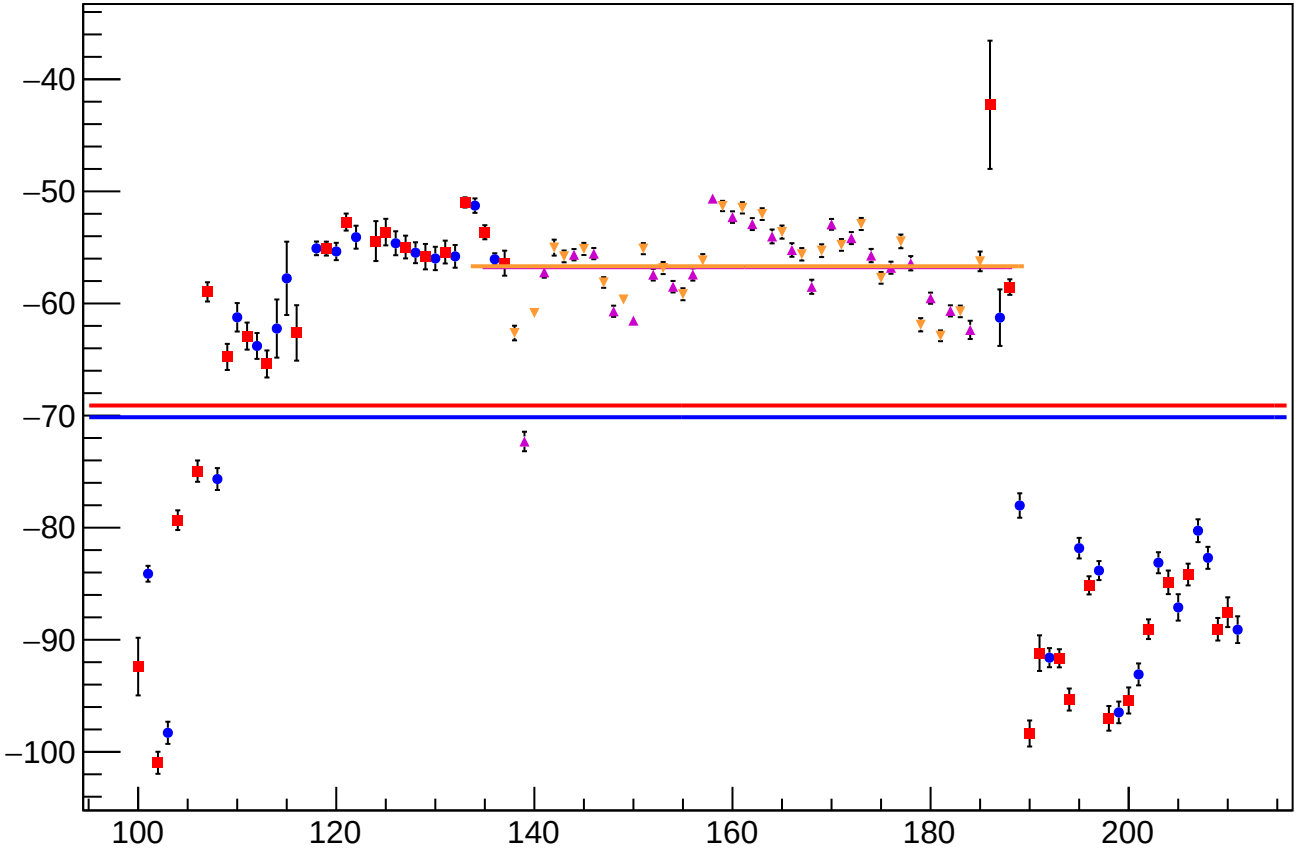
Left In: 1.247+/-0.140 χ^2/NDF:1512.4/22

+ sign 0.081+/-0.103 χ^2/NDF: 2046.4/52

All: -0.122+/-0.072 χ^2/NDF: 4085.3/108

- sign -0.317+/-0.101 χ^2/NDF: 2031.3/55

reg_asym_sam_15_dd_diff_bpm4aY_slope vs Slug



Right In: -70.147+/-0.175 χ^2/NDF: 8287.4/27

Left Out: -56.680+/-0.107 χ^2/NDF:1014.5/24

Right Out: -69.101+/-0.164 χ^2/NDF: 11223.1/32

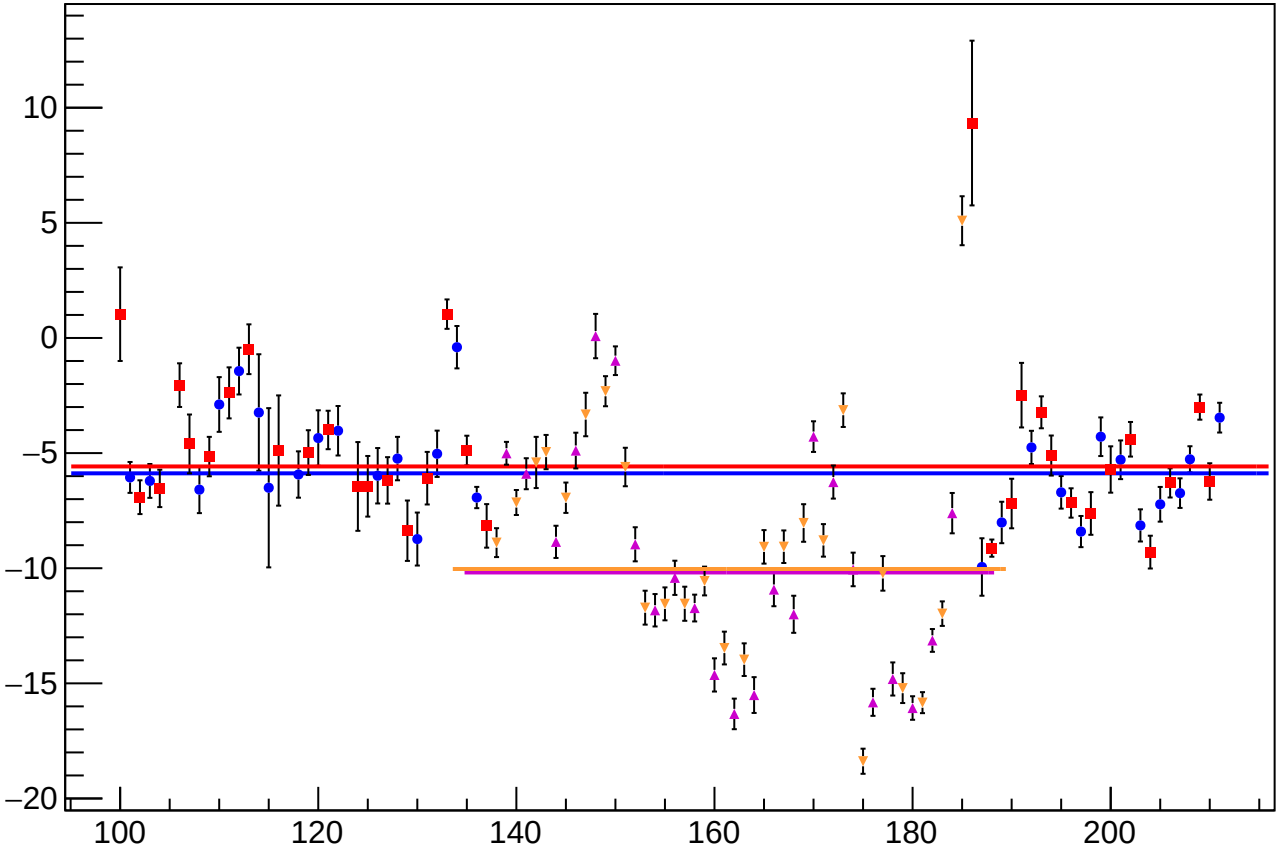
Left In: -56.765+/-0.112 χ^2/NDF:1108.9/22

+ sign -60.342+/-0.091 χ^2/NDF: 13591.7/52

All: -60.511+/-0.065 χ^2/NDF: 29787.2/108

- sign -60.684+/-0.092 χ^2/NDF: 16188.6/55

reg_asym_sam_15_dd_diff_bpm4eX_slope vs Slug



Right In: -5.879+/-0.155 χ^2/NDF: 148.6/27

Left Out: -10.034+/-0.136 χ^2/NDF:1182.4/24

Right Out: -5.580+/-0.144 χ^2/NDF: 377.8/32

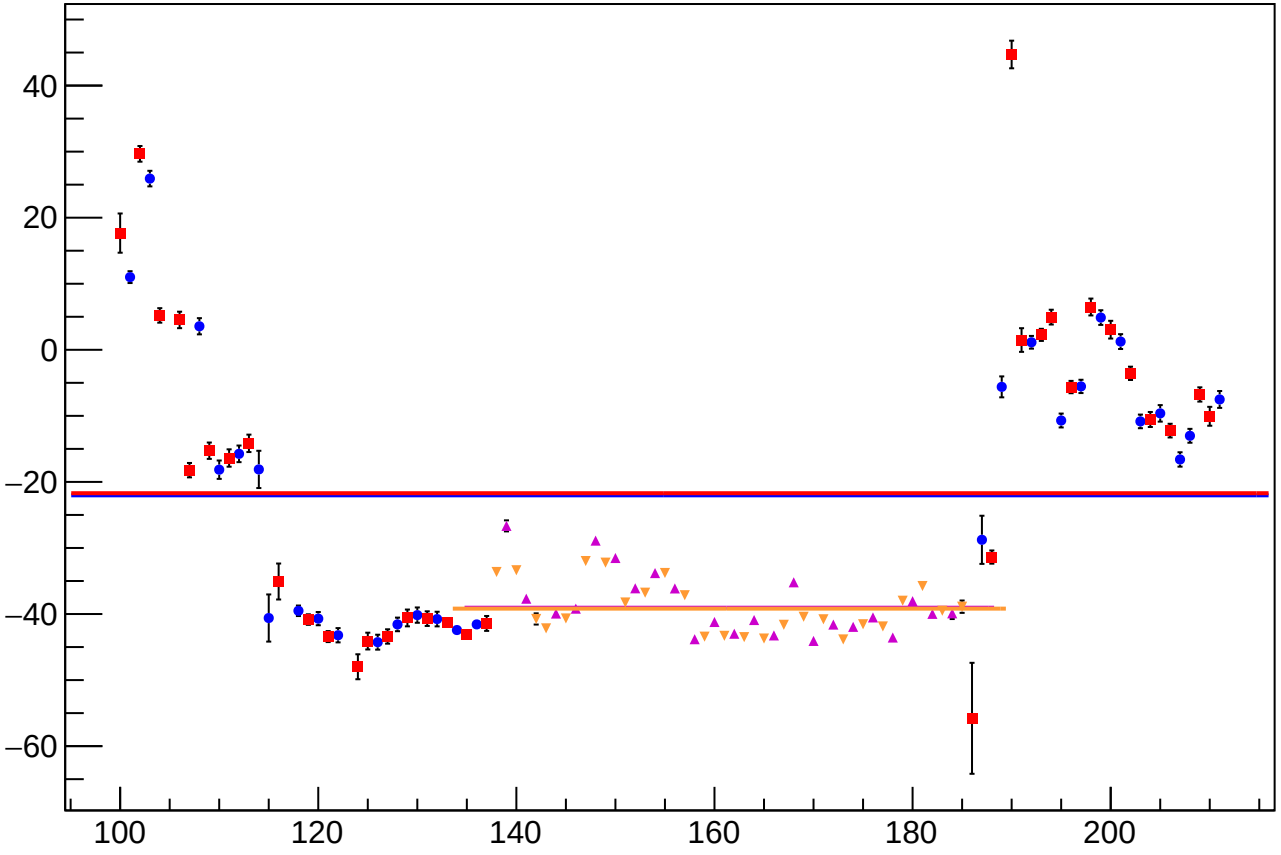
Left In: -10.184+/-0.139 χ^2/NDF:1142.6/22

+ sign -8.227+/-0.102 χ^2/NDF: 1735.6/52

All: -8.094+/-0.072 χ^2/NDF: 3787.0/108

- sign -7.966+/-0.100 χ^2/NDF: 2048.1/55

reg_asym_sam_15_dd_diff_bpm4eY_slope vs Slug



Right In: -22.030+/-0.200 χ^2/NDF: 10653.2/27

Left Out: -39.183+/-0.120 χ^2/NDF:1034.1/24

Right Out: -21.710+/-0.190 χ^2/NDF: 12944.0/32

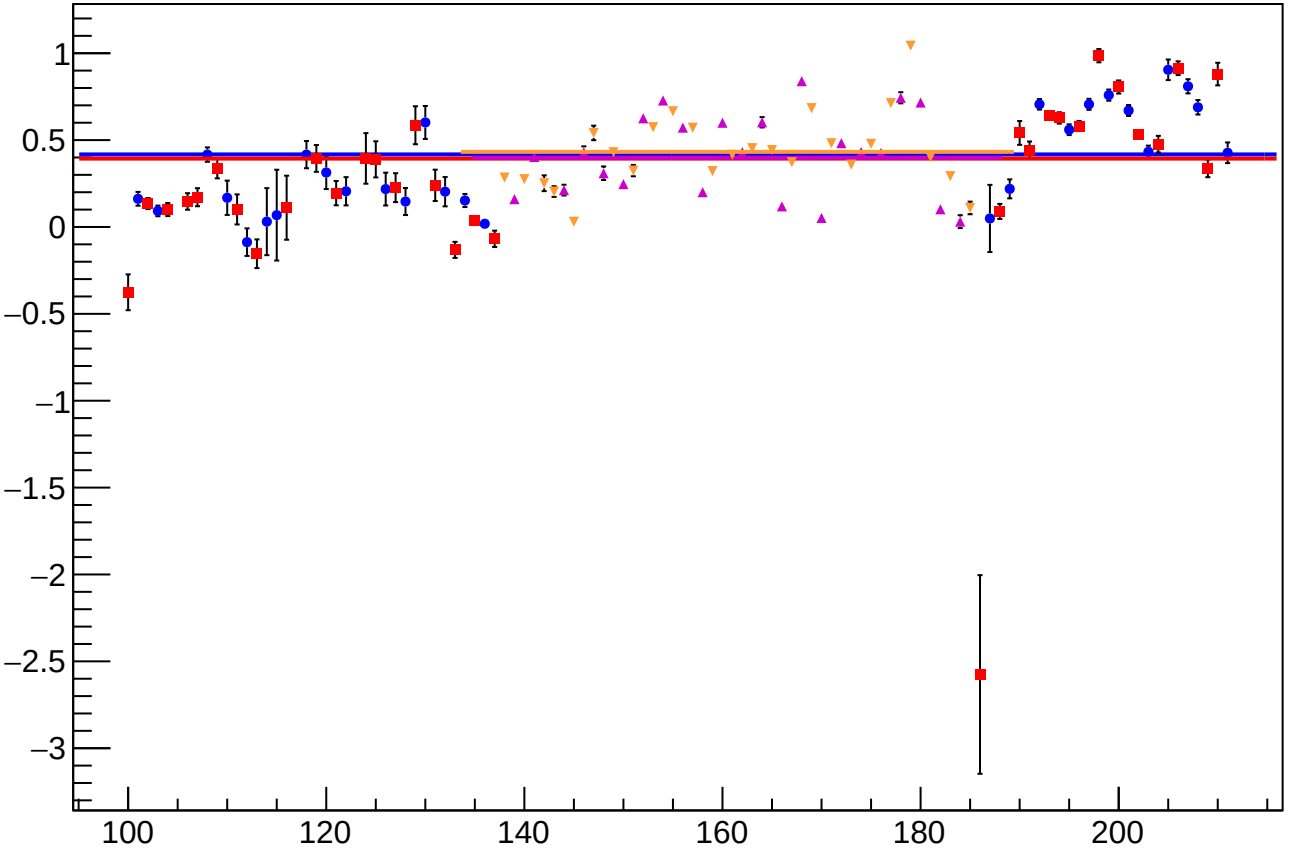
Left In: -39.044+/-0.124 χ^2/NDF:1226.4/22

+ sign -34.633+/-0.103 χ^2/NDF: 17106.1/52

All: -34.255+/-0.073 χ^2/NDF: 37117.3/108

- sign -33.867+/-0.104 χ^2/NDF: 19983.8/55

reg_asym_sam_15_dd_diff_bpm12X_slope vs Slug



Right In: 0.418+/-0.008 χ^2/NDF: 1223.3/27

Left Out: 0.432+/-0.005 χ^2/NDF:1368.7/24

Right Out: 0.394+/-0.008 χ^2/NDF: 1593.9/32

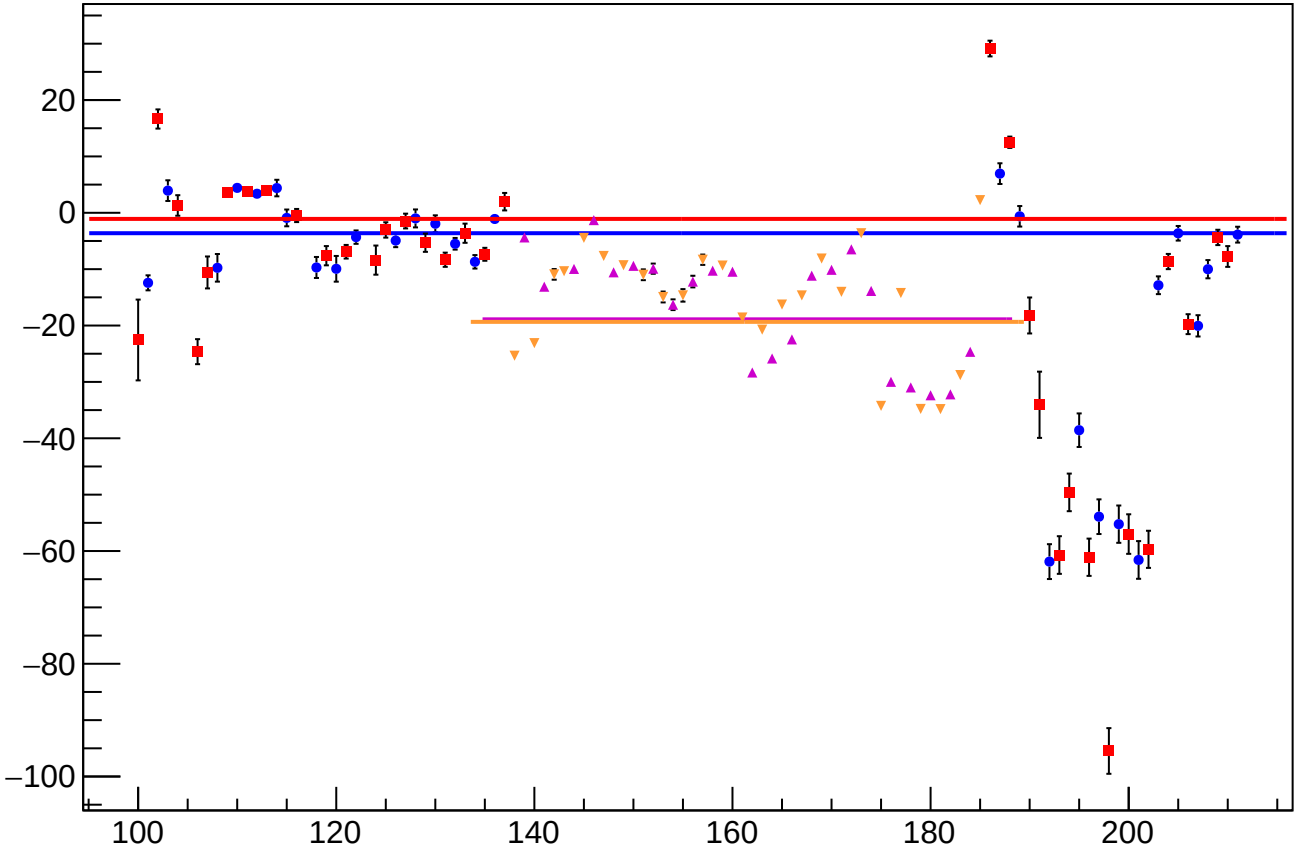
Left In: 0.399+/-0.005 χ^2/NDF:1923.8/22

+ sign 0.428+/-0.004 χ^2/NDF: 2594.2/52

All: 0.413+/-0.003 χ^2/NDF: 6136.0/108

- sign 0.397+/-0.004 χ^2/NDF: 3518.0/55

reg_asym_sam_37_avg_diff_bpm1X_slope vs Slug



Right In: -3.620+/-0.250 χ^2/NDF: 1878.4/27

Left Out: -19.347+/-0.113 χ^2/NDF:10394.7/24

Right Out: -1.084+/-0.236 χ^2/NDF: 3393.6/32

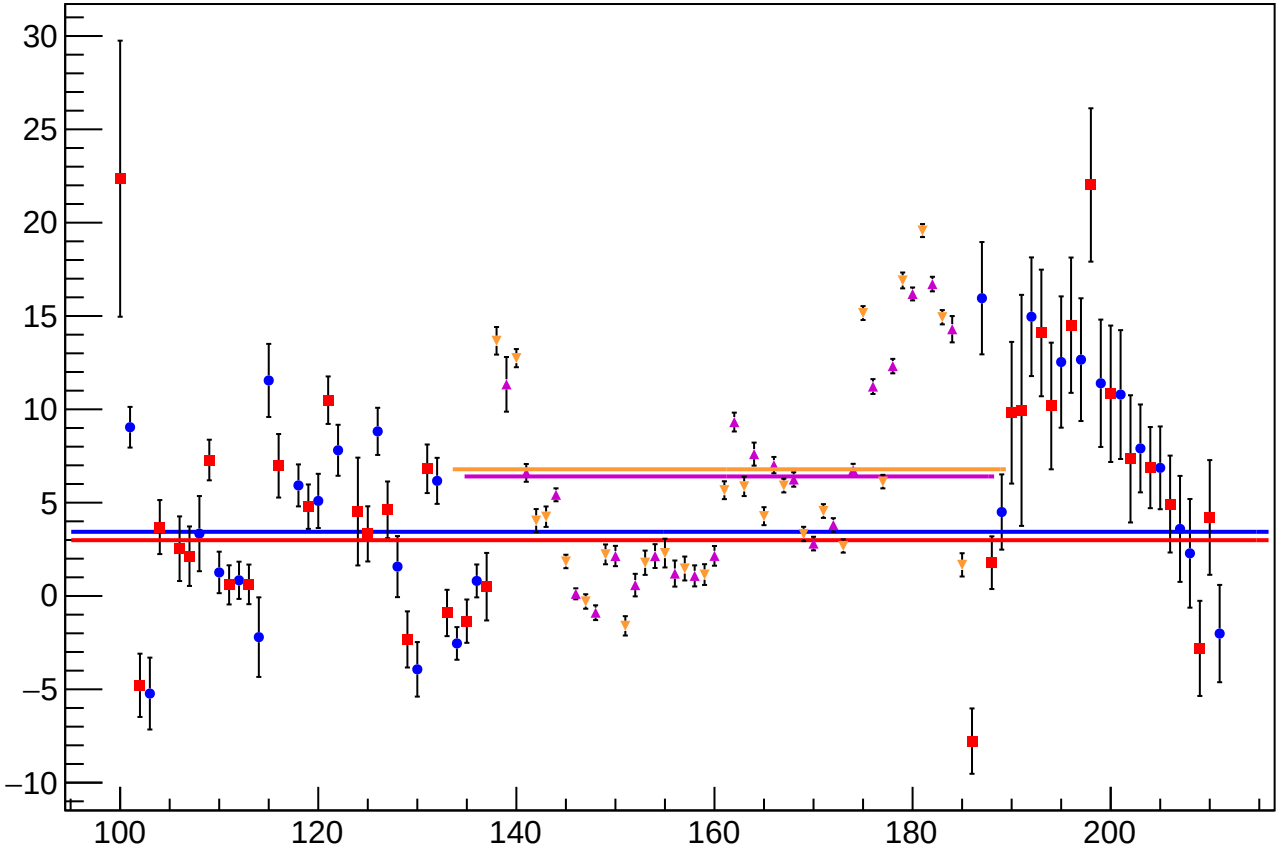
Left In: -18.902+/-0.116 χ^2/NDF:8286.2/22

+ sign -16.669+/-0.103 χ^2/NDF: 15550.4/52

All: -16.054+/-0.073 χ^2/NDF: 31891.1/108

- sign -15.428+/-0.104 χ^2/NDF: 16269.1/55

reg_asym_sam_37_avg_diff_bpm4aY_slope vs Slug



Right In: 3.438+/-0.292 χ^2/NDF: 269.2/27

Left Out: 6.788+/-0.090 χ^2/NDF:4632.5/24

Right Out: 2.990+/-0.293 χ^2/NDF: 250.3/32

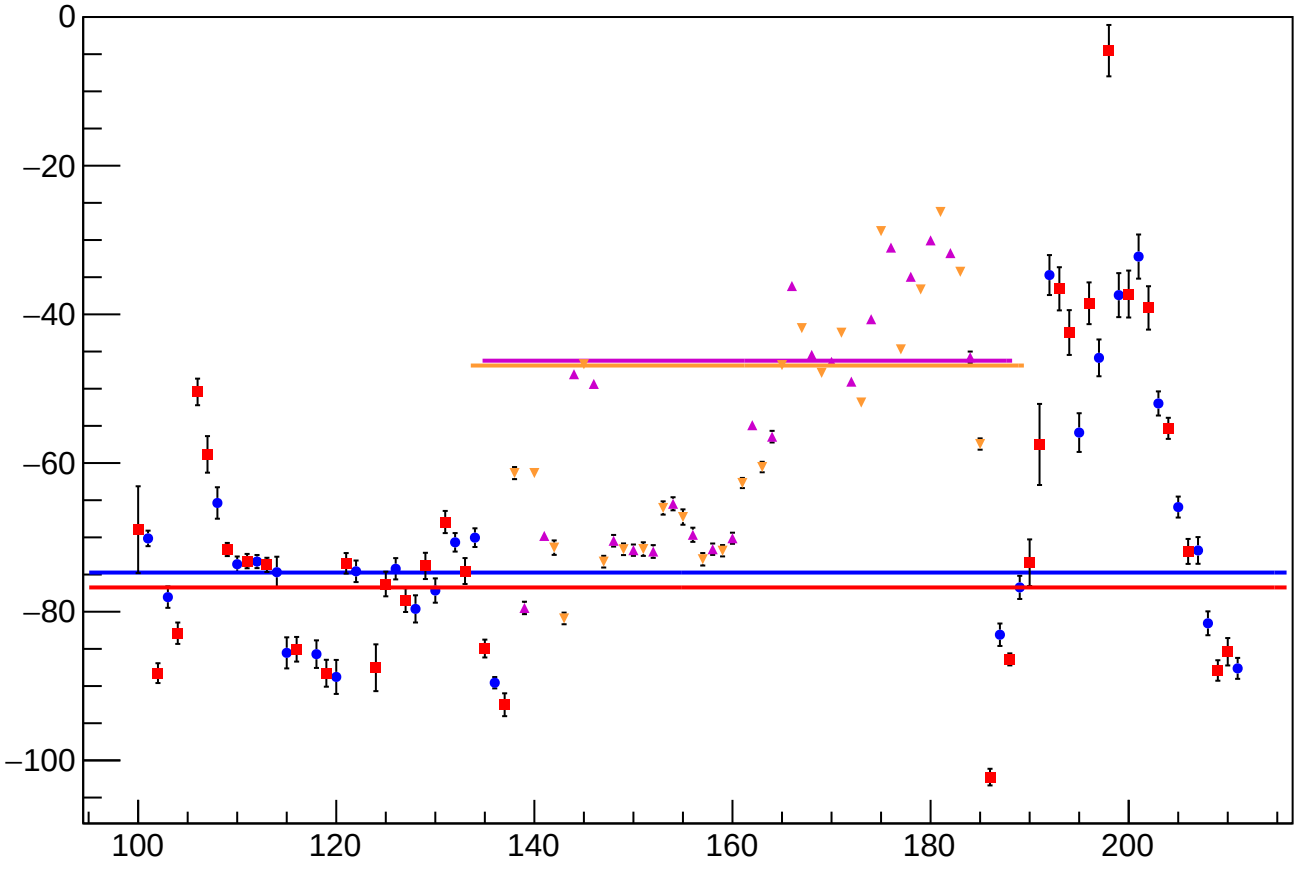
Left In: 6.404+/-0.091 χ^2/NDF:3410.4/22

+ sign 6.496+/-0.086 χ^2/NDF: 5022.1/52

All: 6.302+/-0.061 χ^2/NDF: 8816.9/108

- sign 6.103+/-0.087 χ^2/NDF: 3784.5/55

reg_asym_sam_37_avg_diff_bpm4eX_slope vs Slug



Right In: -74.732+/-0.277 χ^2/NDF: 1703.0/27

Left Out: -46.883+/-0.114 χ^2/NDF:17974.5/24

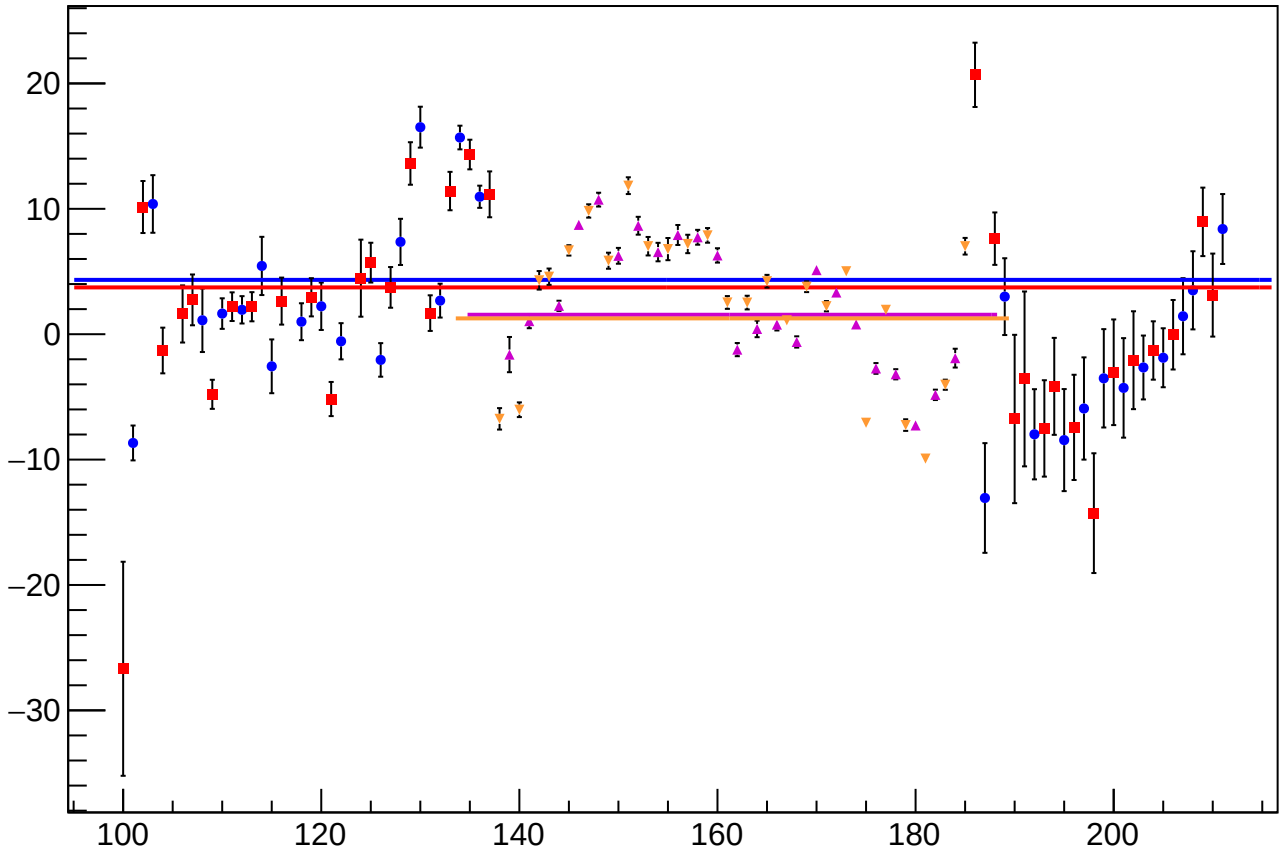
Right Out: -76.735+/-0.267 χ^2/NDF: 2960.9/32

Left In: -46.231+/-0.116 χ^2/NDF:15169.3/22

\+ sign -50.902+/-0.105 χ^2/NDF: 28306.8/52

All: -51.001+/-0.075 χ^2/NDF: 57430.6/108

\- sign -51.102+/-0.107 χ^2/NDF: 29122.1/55



Right In: 4.334+/-0.327 χ^2/NDF: 487.8/27

Left Out: 1.261+/-0.100 χ^2/NDF:3445.7/24

Right Out: 3.732+/-0.334 χ^2/NDF: 391.4/32

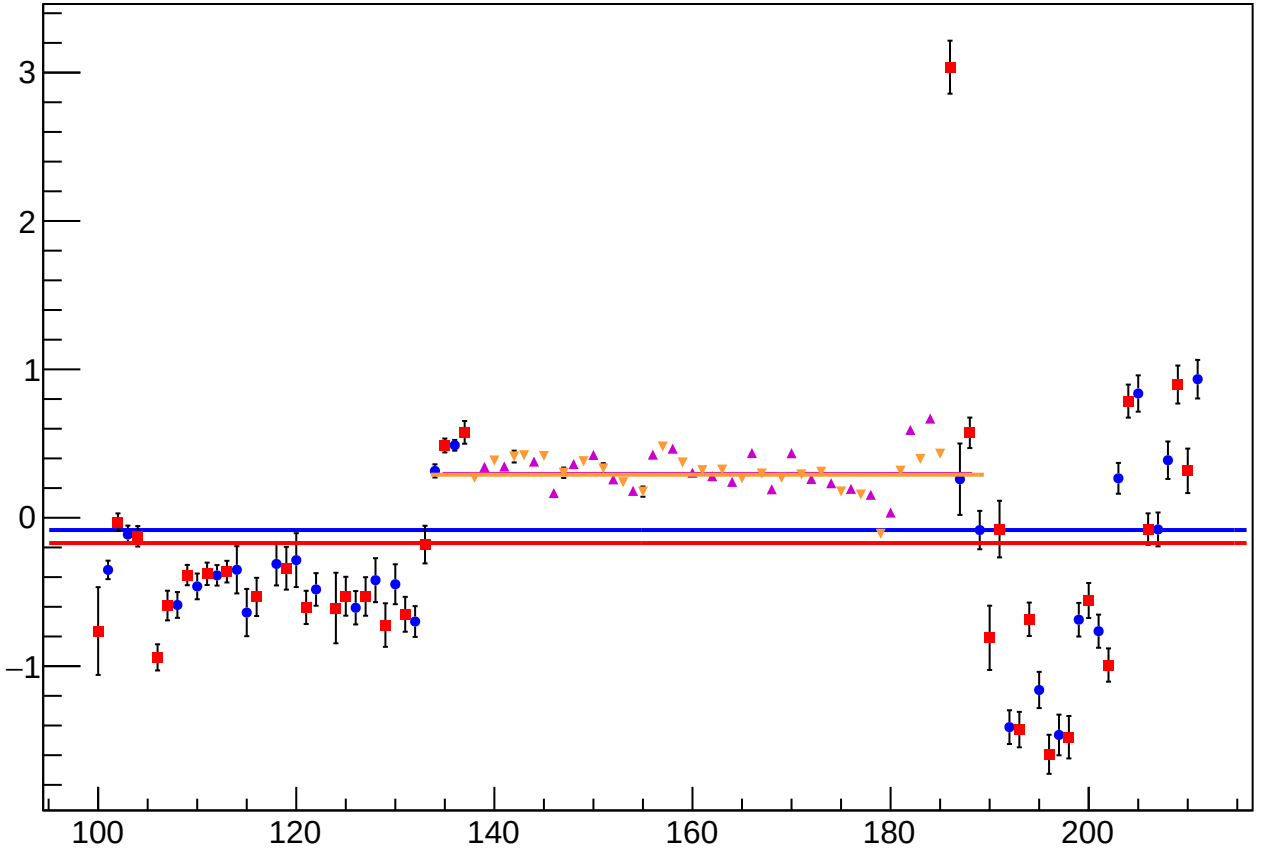
Left In: 1.551+/-0.102 χ^2/NDF:2335.7/22

+ sign 1.526+/-0.096 χ^2/NDF: 4014.0/52

All: 1.630+/-0.068 χ^2/NDF: 6782.5/108

- sign 1.737+/-0.098 χ^2/NDF: 2766.1/55

reg_asym_sam_37_avg_diff_bpm12X_slope vs Slug



Right In: -0.083+/-0.017 χ^2/NDF: 1047.8/27

Left Out: 0.290+/-0.004 χ^2/NDF:719.3/24

Right Out: -0.170+/-0.017 χ^2/NDF: 1430.6/32

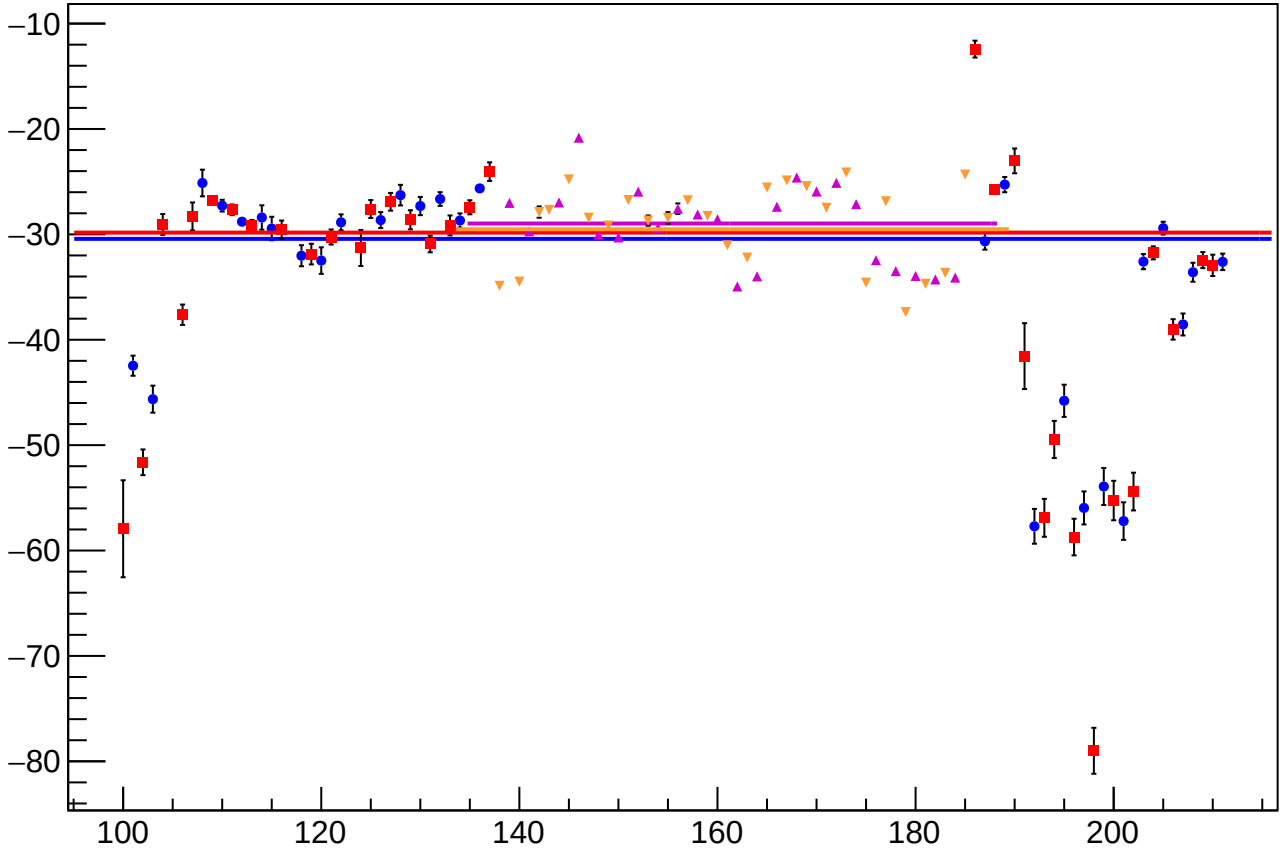
Left In: 0.295+/-0.005 χ^2/NDF:1035.4/22

+ sign 0.265+/-0.004 χ^2/NDF: 2231.7/52

All: 0.265+/-0.003 χ^2/NDF: 5368.4/108

- sign 0.265+/-0.004 χ^2/NDF: 3136.6/55

reg_asym_sam_37_dd_diff_bpm1X_slope vs Slug



Right In: -30.427+/-0.153 χ^2/NDF: 1760.8/27

Left Out: -29.516+/-0.056 χ^2/NDF:6088.5/24

Right Out: -29.834+/-0.147 χ^2/NDF: 2805.1/32

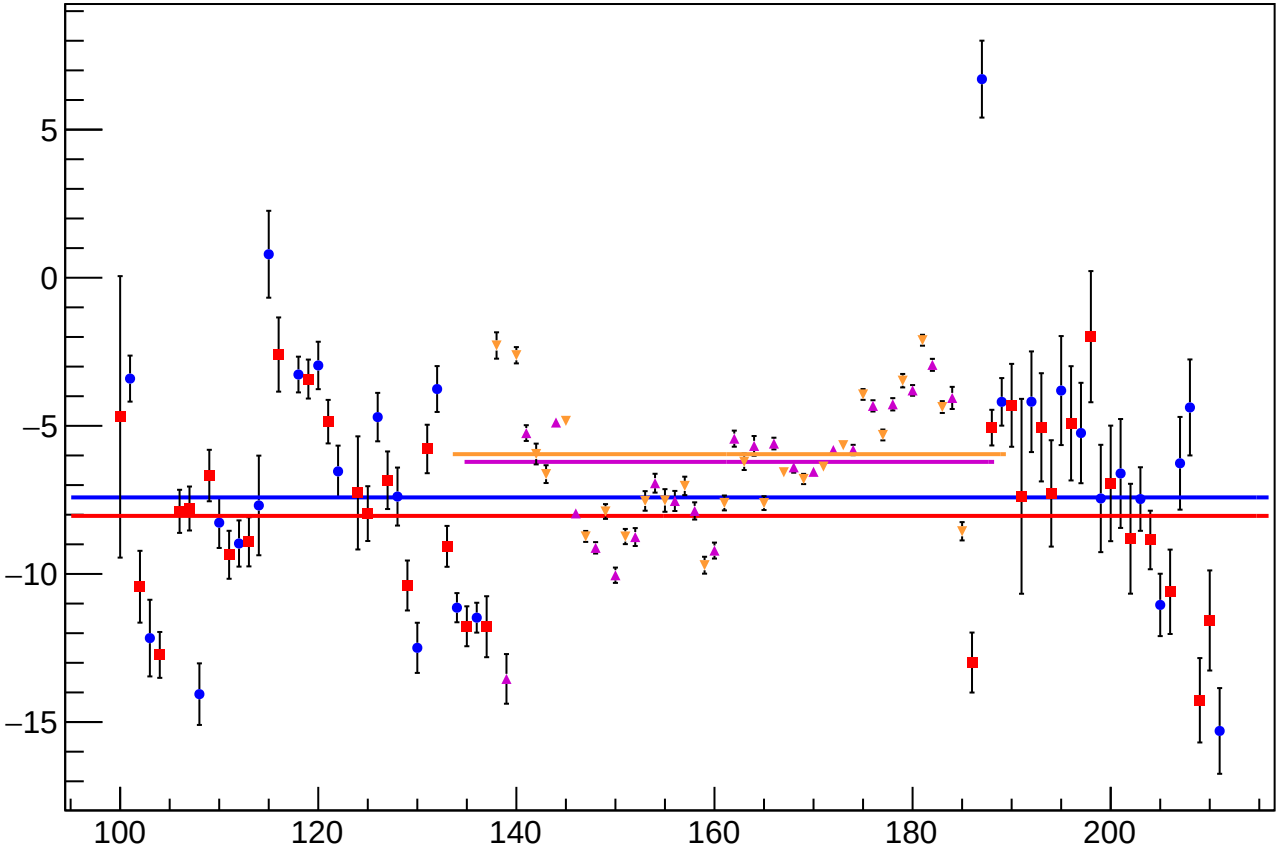
Left In: -28.971+/-0.057 χ^2/NDF:5348.6/22

+ sign -29.625+/-0.053 χ^2/NDF: 7880.5/52

All: -29.356+/-0.037 χ^2/NDF: 16116.2/108

- sign -29.083+/-0.053 χ^2/NDF: 8183.5/55

reg_asym_sam_37_dd_diff_bpm4aY_slope vs Slug



Right In: -7.416+/-0.174 χ^2/NDF: 577.2/27

Left Out: -5.956+/-0.044 χ^2/NDF:1857.8/24

Right Out: -8.040+/-0.171 χ^2/NDF: 293.9/32

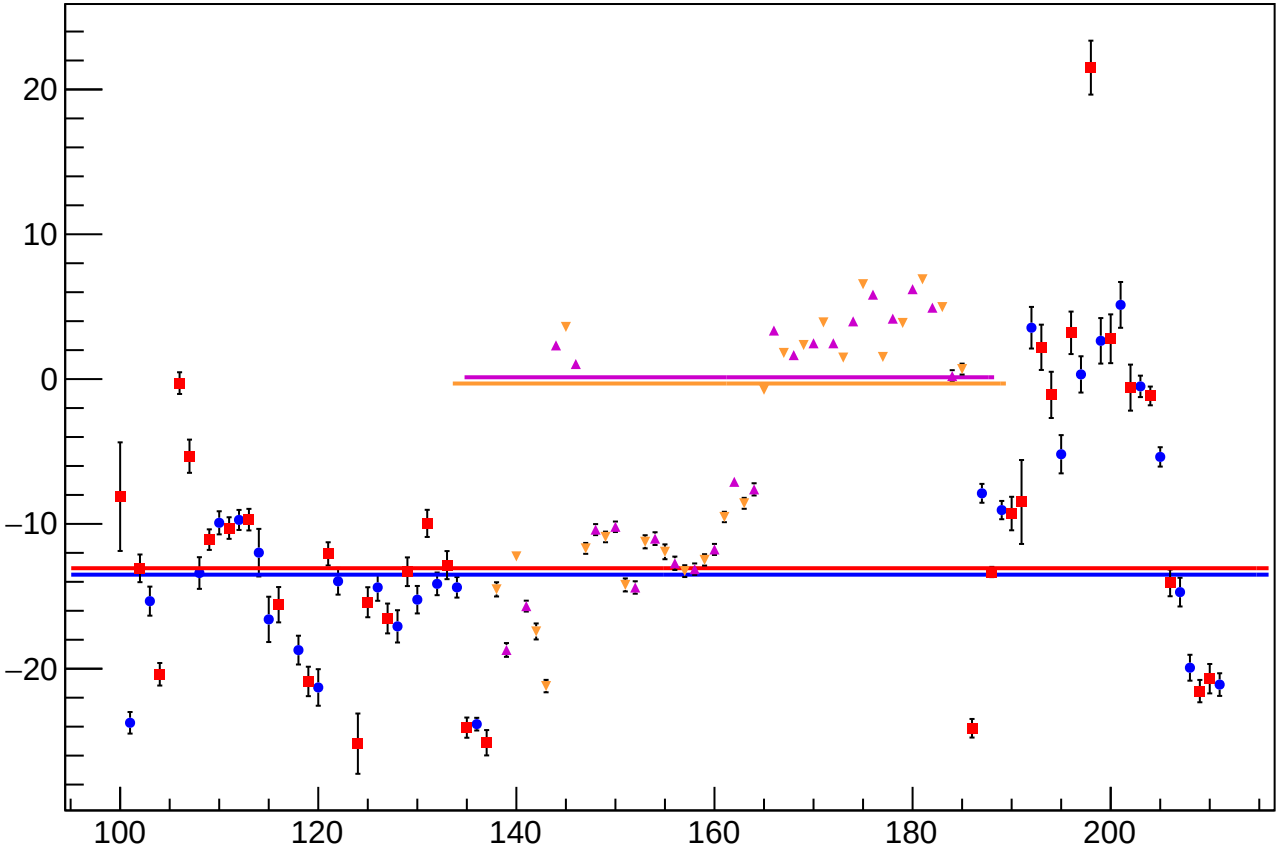
Left In: -6.217+/-0.044 χ^2/NDF:1741.8/22

+ sign -6.046+/-0.043 χ^2/NDF: 2501.2/52

All: -6.189+/-0.030 χ^2/NDF: 4665.6/108

- sign -6.331+/-0.043 χ^2/NDF: 2142.2/55

reg_asym_sam_37_dd_diff_bpm4eX_slope vs Slug



Right In: -13.505+/-0.162 χ^2/NDF: 2159.5/27

Left Out: -0.306+/-0.057 χ^2/NDF:17181.6/24

Right Out: -13.060+/-0.153 χ^2/NDF: 2628.5/32

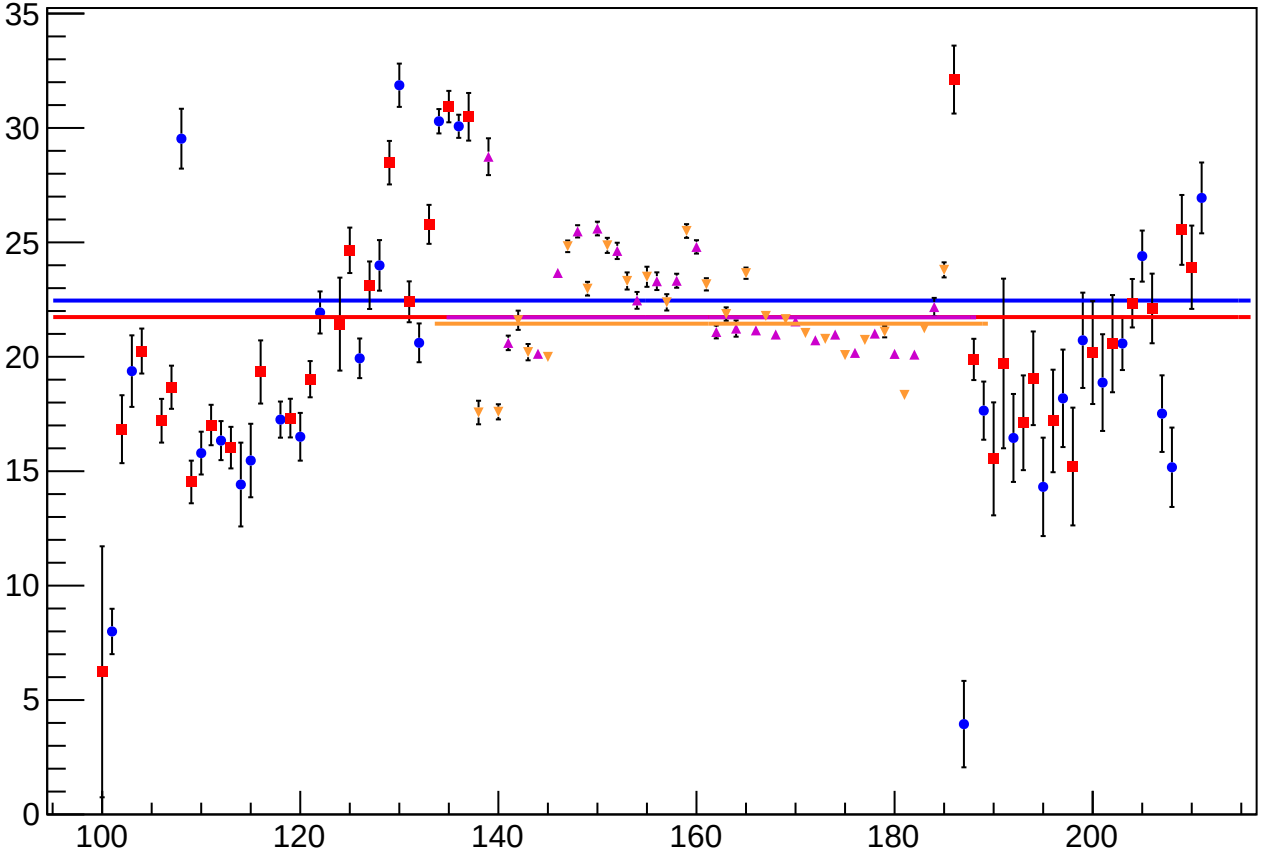
Left In: 0.125+/-0.057 χ^2/NDF:13838.6/22

+ sign -1.741+/-0.053 χ^2/NDF: 25263.7/52

All: -1.611+/-0.038 χ^2/NDF: 48257.5/108

- sign -1.480+/-0.053 χ^2/NDF: 22982.0/55

reg_asym_sam_37_dd_diff_bpm4eY_slope vs Slug



Right In: 22.457+/-0.197 χ^2/NDF: 1202.7/27

Left Out: 21.447+/-0.050 χ^2/NDF:1325.2/24

Right Out: 21.736+/-0.200 χ^2/NDF: 644.0/32

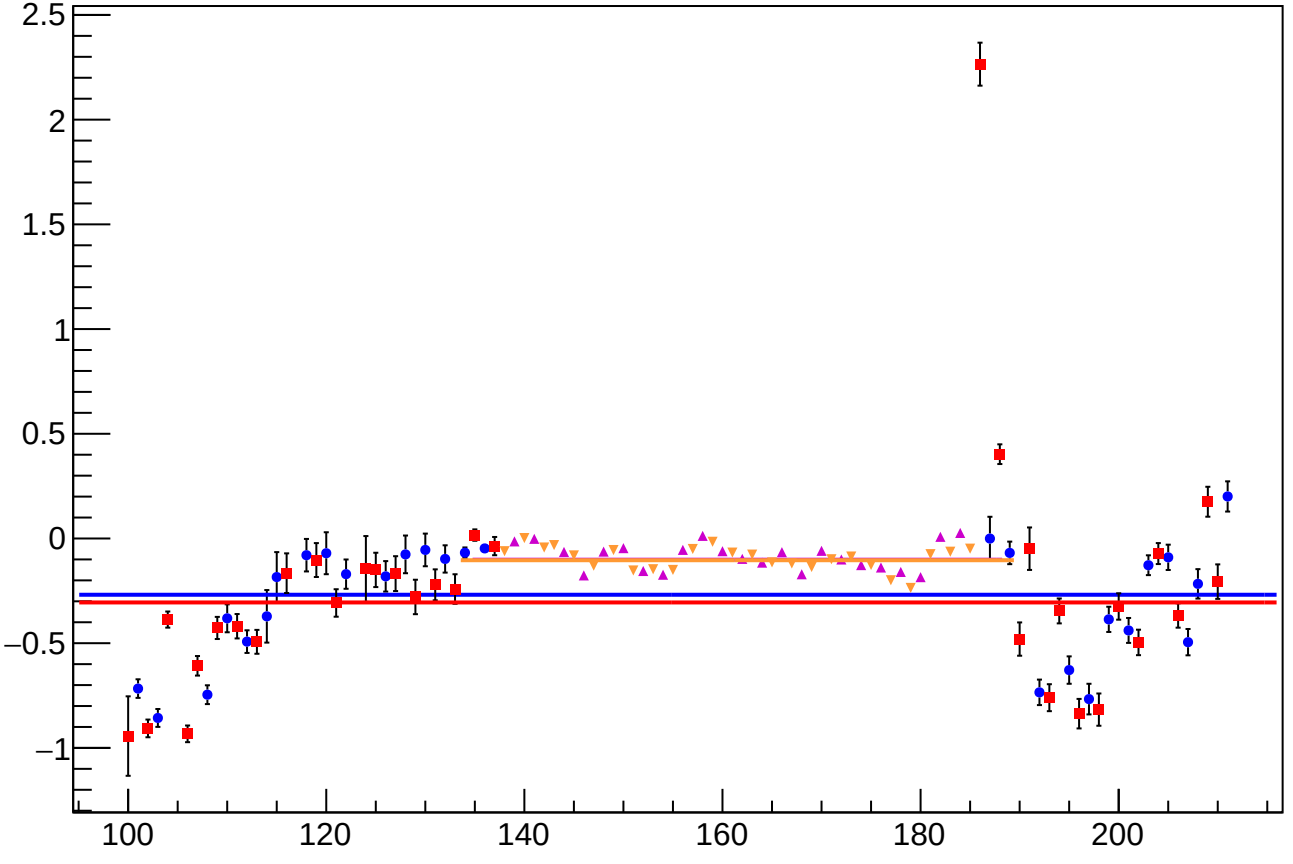
Left In: 21.725+/-0.050 χ^2/NDF:1173.7/22

+ sign 21.507+/-0.048 χ^2/NDF: 2552.6/52

All: 21.616+/-0.034 χ^2/NDF: 4380.6/108

- sign 21.726+/-0.048 χ^2/NDF: 1817.7/55

reg_asym_sam_37_dd_diff_bpm12X_slope vs Slug



Right In: -0.269+/-0.010 χ^2/NDF: 877.2/27

Left Out: -0.104+/-0.002 χ^2/NDF:547.4/24

Right Out: -0.305+/-0.010 χ^2/NDF: 1821.2/32

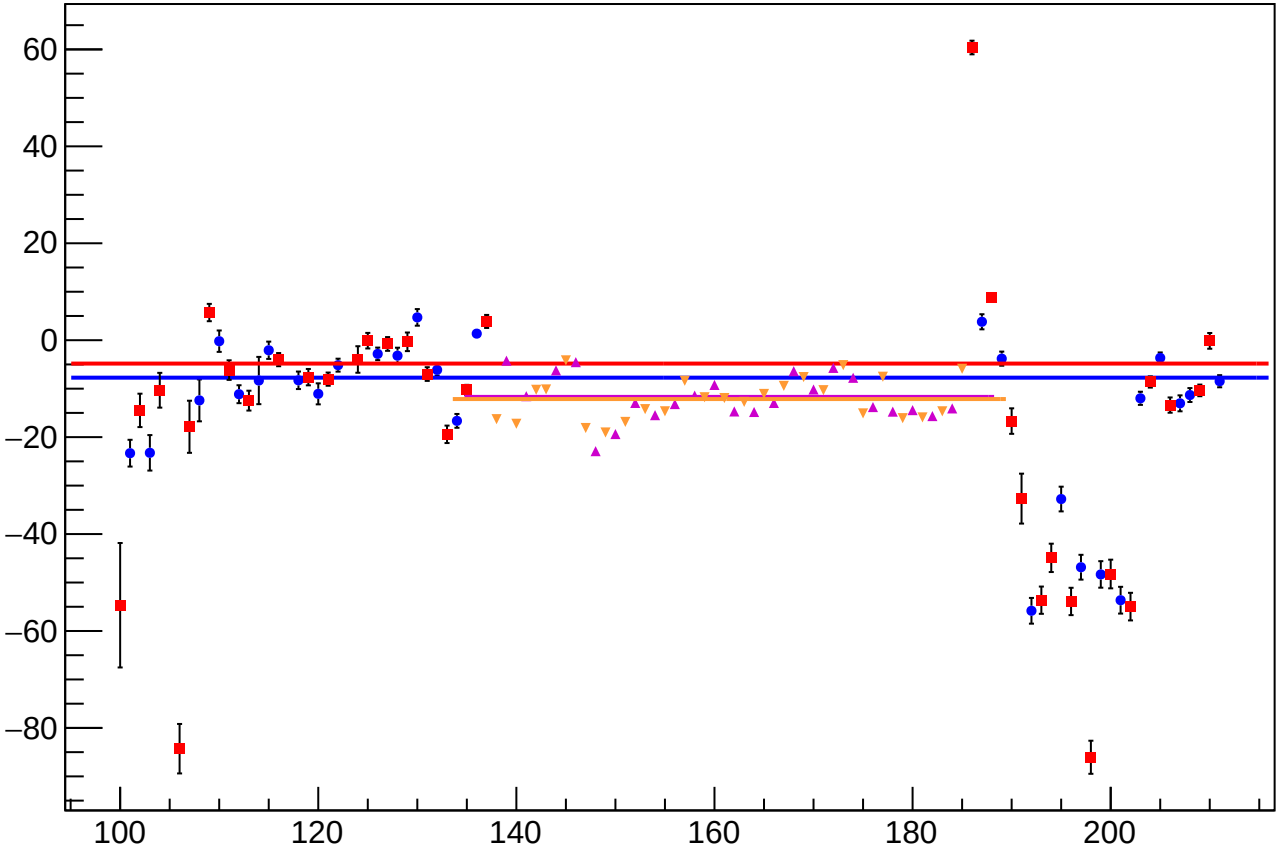
Left In: -0.101+/-0.002 χ^2/NDF:757.6/22

+ sign -0.112+/-0.002 χ^2/NDF: 1694.1/52

All: -0.111+/-0.002 χ^2/NDF: 4662.9/108

- sign -0.111+/-0.002 χ^2/NDF: 2968.7/55

reg_asym_sam_26_avg_diff_bpm1X_slope vs Slug



Right In: -7.730+/-0.298 χ^2/NDF: 1634.3/27

Left Out: -12.143+/-0.092 χ^2/NDF:2130.5/24

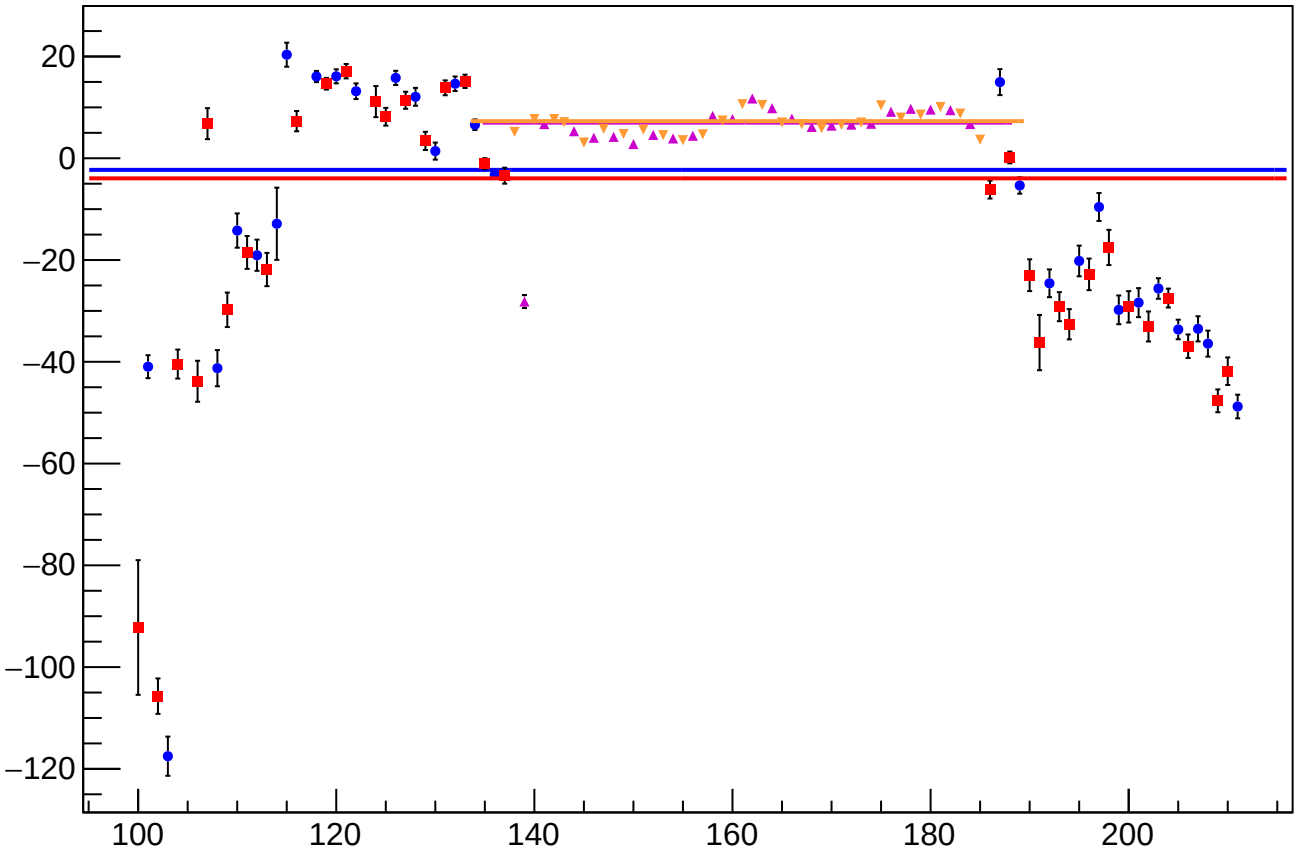
Right Out: -4.823+/-0.300 χ^2/NDF: 4904.9/32

Left In: -11.698+/-0.094 χ^2/NDF:1951.0/22

+ sign -11.762+/-0.087 χ^2/NDF: 3965.7/52

All: -11.431+/-0.063 χ^2/NDF: 11328.9/108

- sign -11.080+/-0.090 χ^2/NDF: 7333.7/55



Right In: -2.278+/-0.335 χ^2/NDF: 3936.9/27

Left Out: 7.297+/-0.075 χ^2/NDF:822.9/24

Right Out: -3.949+/-0.348 χ^2/NDF: 3750.0/32

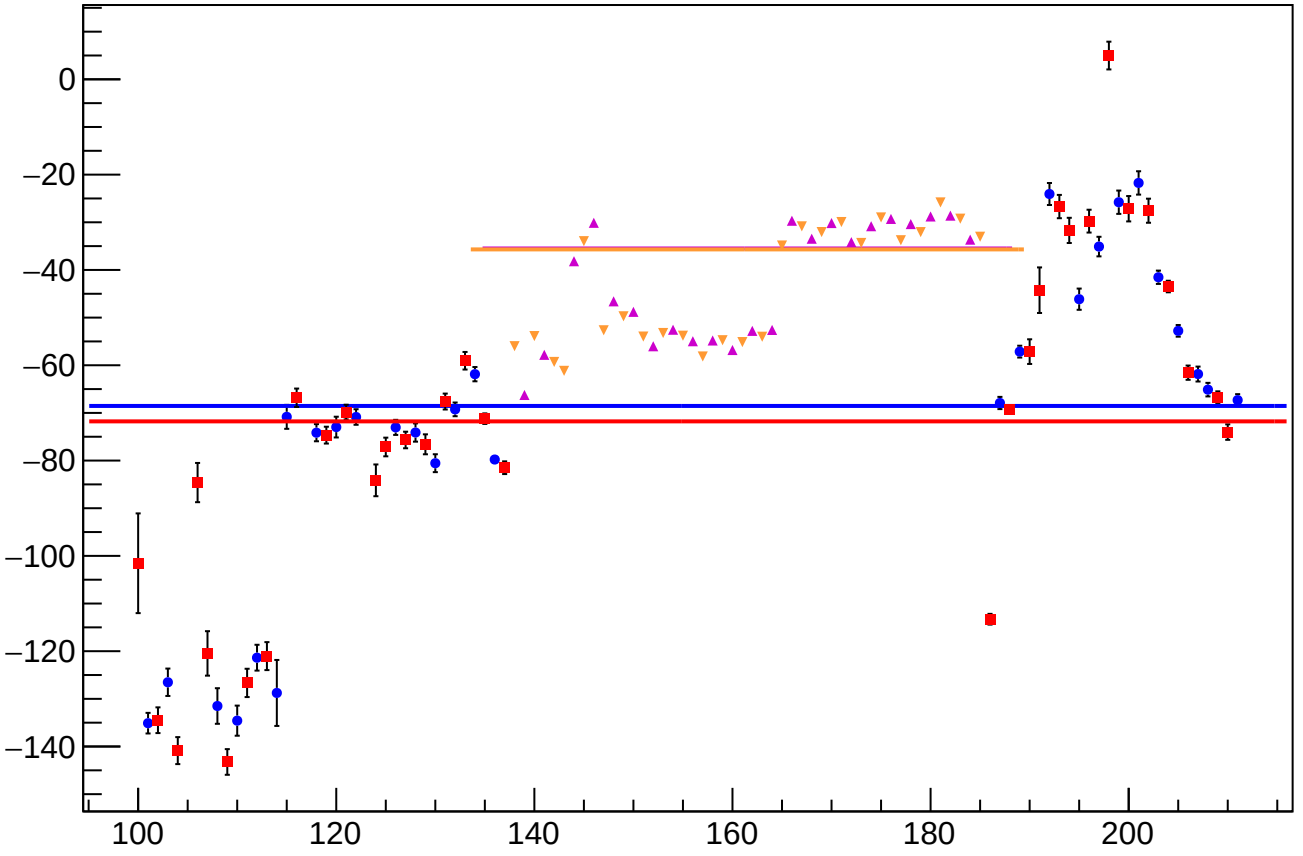
Left In: 7.004+/-0.076 χ^2/NDF:1576.0/22

+ sign 6.840+/-0.073 χ^2/NDF: 5538.8/52

All: 6.675+/-0.052 χ^2/NDF: 11821.9/108

- sign 6.505+/-0.074 χ^2/NDF: 6272.8/55

reg_asym_sam_26_avg_diff_bpm4eX_slope vs Slug



Right In: -68.537+/-0.306 χ^2/NDF: 4955.1/27

Left Out: -35.690+/-0.092 χ^2/NDF:12778.3/24

Right Out: -71.775+/-0.301 χ^2/NDF: 6949.8/32

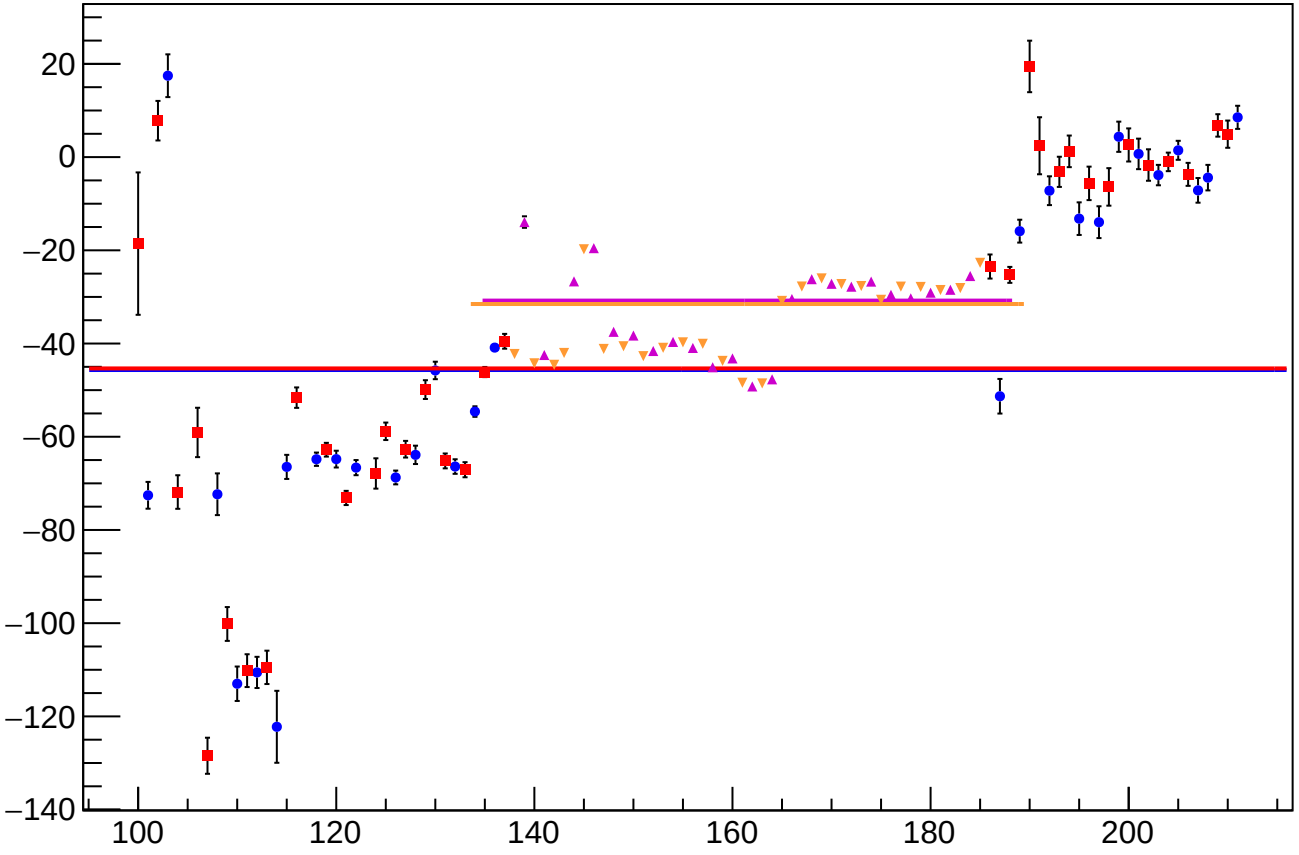
Left In: -35.497+/-0.095 χ^2/NDF:11162.0/22

\+ sign -38.428+/-0.088 χ^2/NDF: 28306.6/52

All: -38.590+/-0.063 χ^2/NDF: 59653.4/108

\- sign -38.759+/-0.090 χ^2/NDF: 31340.0/55

reg_asym_sam_26_avg_diff_bpm4eY_slope vs Slug



Right In: -45.681+/-0.375 χ^2/NDF: 4978.4/27

Left Out: -31.520+/-0.083 χ^2/NDF:8457.7/24

Right Out: -45.341+/-0.399 χ^2/NDF: 5476.9/32

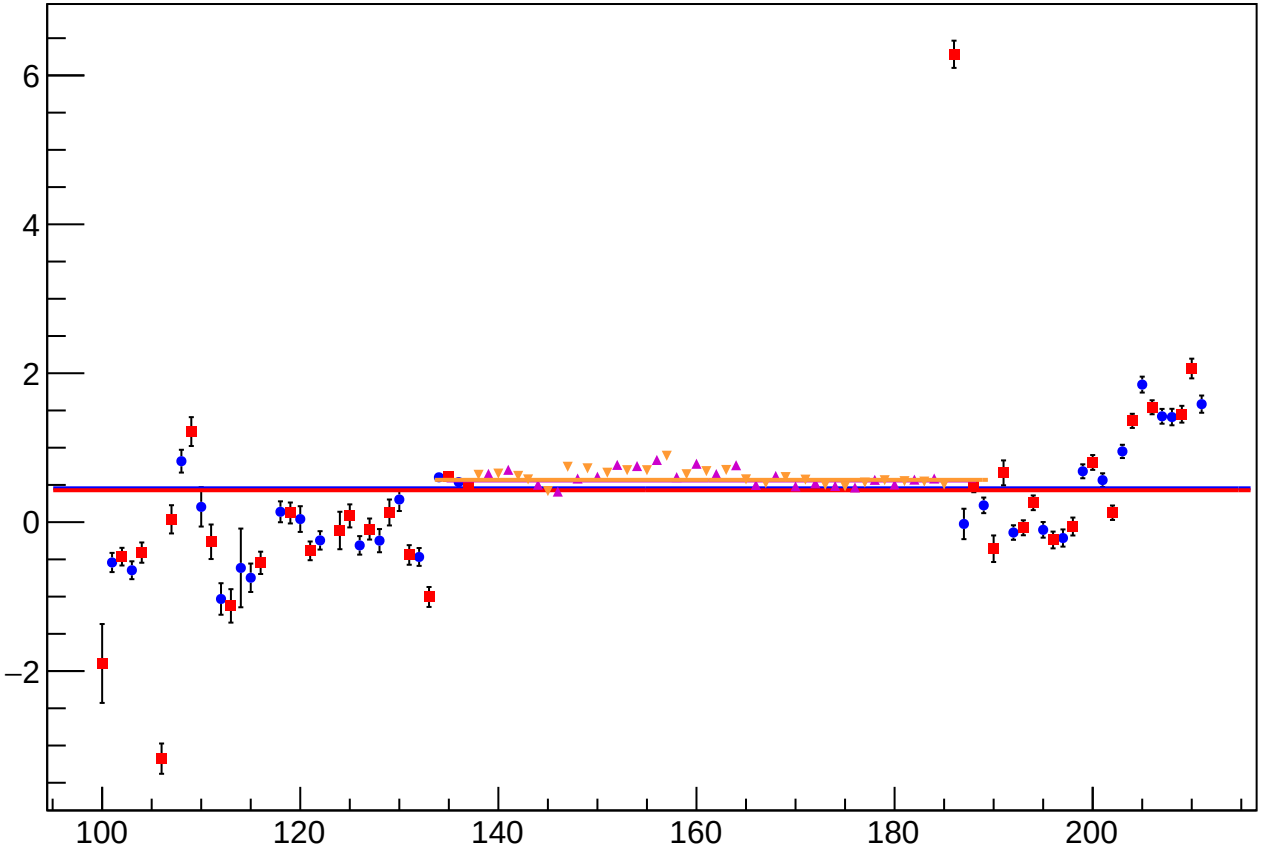
Left In: -30.789+/-0.084 χ^2/NDF:7548.8/22

+ sign -32.178+/-0.081 χ^2/NDF: 14794.9/52

All: -31.801+/-0.058 χ^2/NDF: 29136.4/108

- sign -31.410+/-0.082 χ^2/NDF: 14297.4/55

reg_asym_sam_26_avg_diff_bpm12X_slope vs Slug



Right In: 0.454+/-0.018 χ^2/NDF: 1000.6/27

Left Out: 0.568+/-0.004 χ^2/NDF:554.5/24

Right Out: 0.429+/-0.020 χ^2/NDF: 2419.5/32

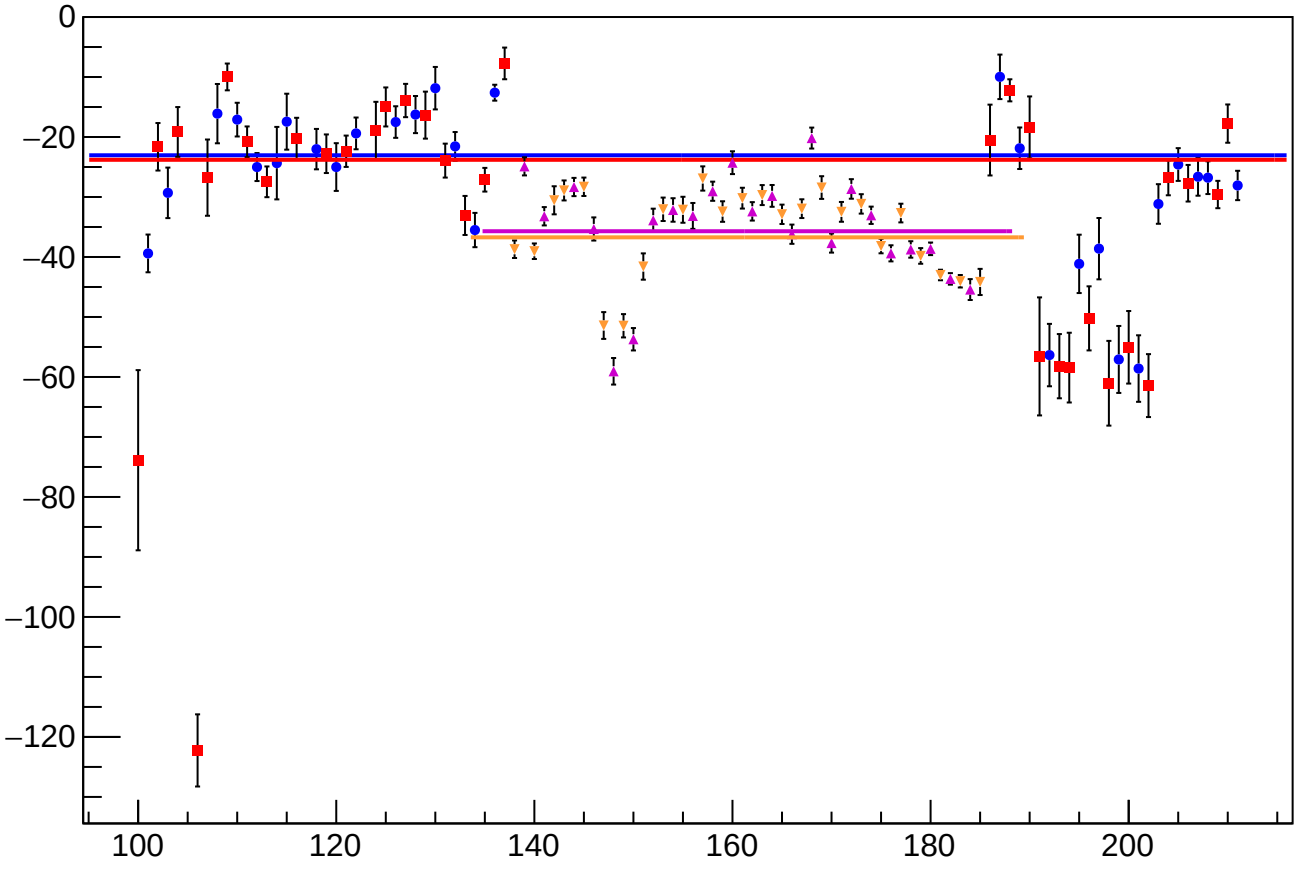
Left In: 0.560+/-0.004 χ^2/NDF:671.5/22

+ sign 0.564+/-0.004 χ^2/NDF: 1592.3/52

All: 0.560+/-0.003 χ^2/NDF: 4729.0/108

- sign 0.555+/-0.004 χ^2/NDF: 3133.9/55

reg_asym_sam_26_dd_diff_bpm1X_slope vs Slug



Right In: -23.046+/-0.574 χ^2/NDF: 309.3/27

Left Out: -36.724+/-0.310 χ^2/NDF:420.8/24

Right Out: -23.801+/-0.574 χ^2/NDF: 668.8/32

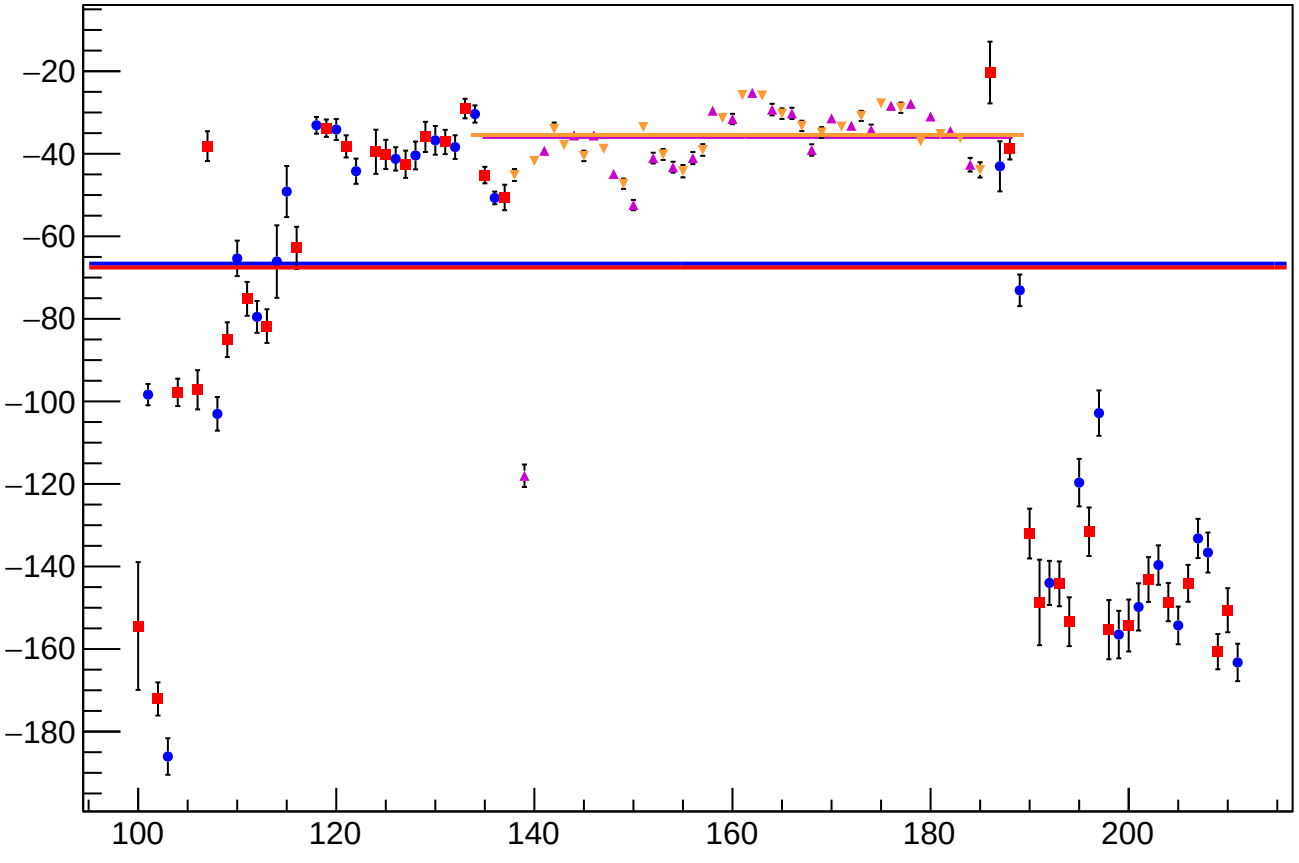
Left In: -35.706+/-0.323 χ^2/NDF:578.6/22

+ sign -33.631+/-0.273 χ^2/NDF: 1169.8/52

All: -33.248+/-0.196 χ^2/NDF: 2747.9/108

- sign -32.841+/-0.282 χ^2/NDF: 1574.1/55

reg_asym_sam_26_dd_diff_bpm4aY_slope vs Slug



Right In: -66.627+/-0.636 χ^2/NDF: 4459.0/27

Left Out: -35.442+/-0.245 χ^2/NDF:537.8/24

Right Out: -67.557+/-0.653 χ^2/NDF: 4768.7/32

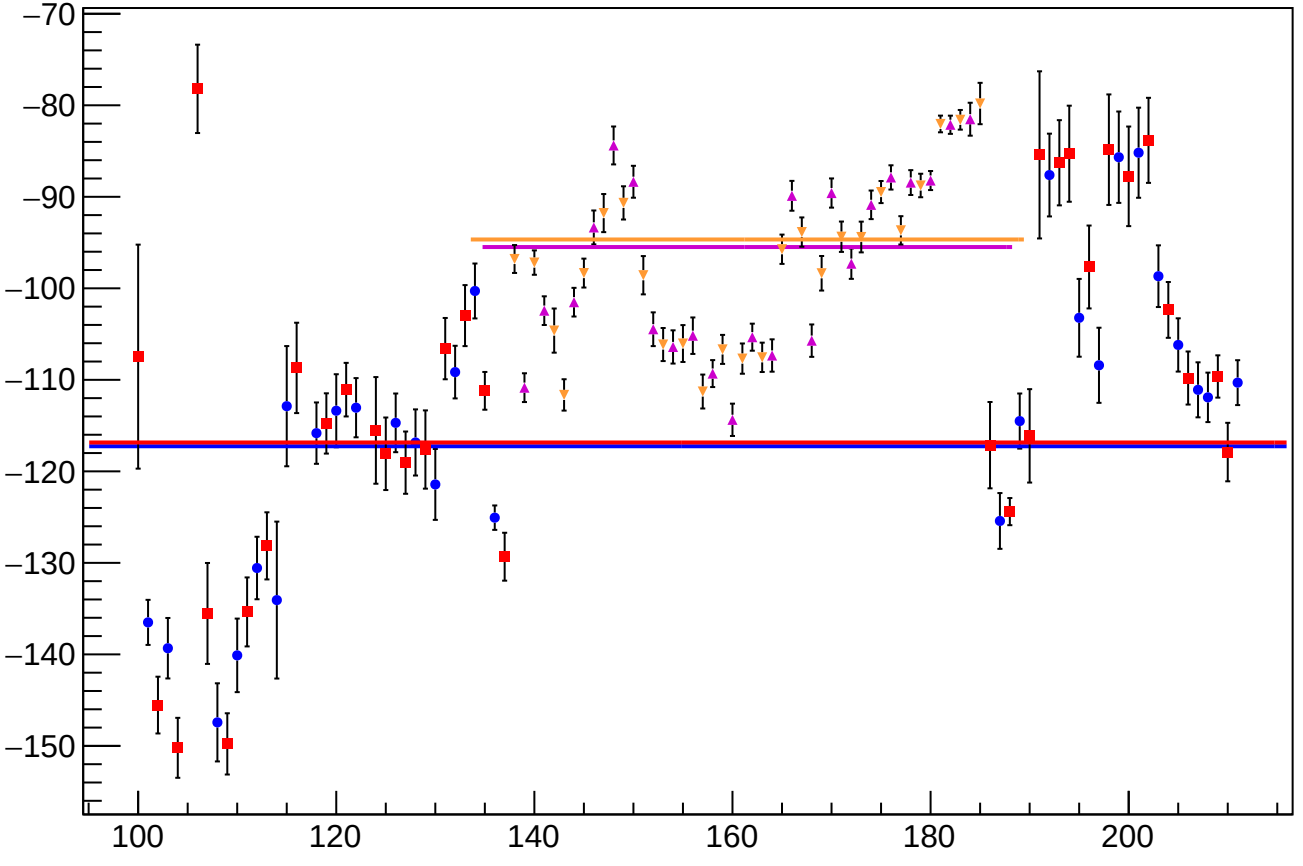
Left In: -35.913+/-0.256 χ^2/NDF:1543.1/22

+ sign -39.473+/-0.229 χ^2/NDF: 7093.1/52

All: -39.787+/-0.165 χ^2/NDF: 15442.4/108

- sign -40.129+/-0.238 χ^2/NDF: 8345.3/55

reg_asym_sam_26_dd_diff_bpm4eX_slope vs Slug



Right In: -117.258+/-0.591 χ^2/NDF: 496.2/27

Left Out: -94.663+/-0.310 χ^2/NDF:900.1/24

Right Out: -116.845+/-0.591 χ^2/NDF: 740.8/32

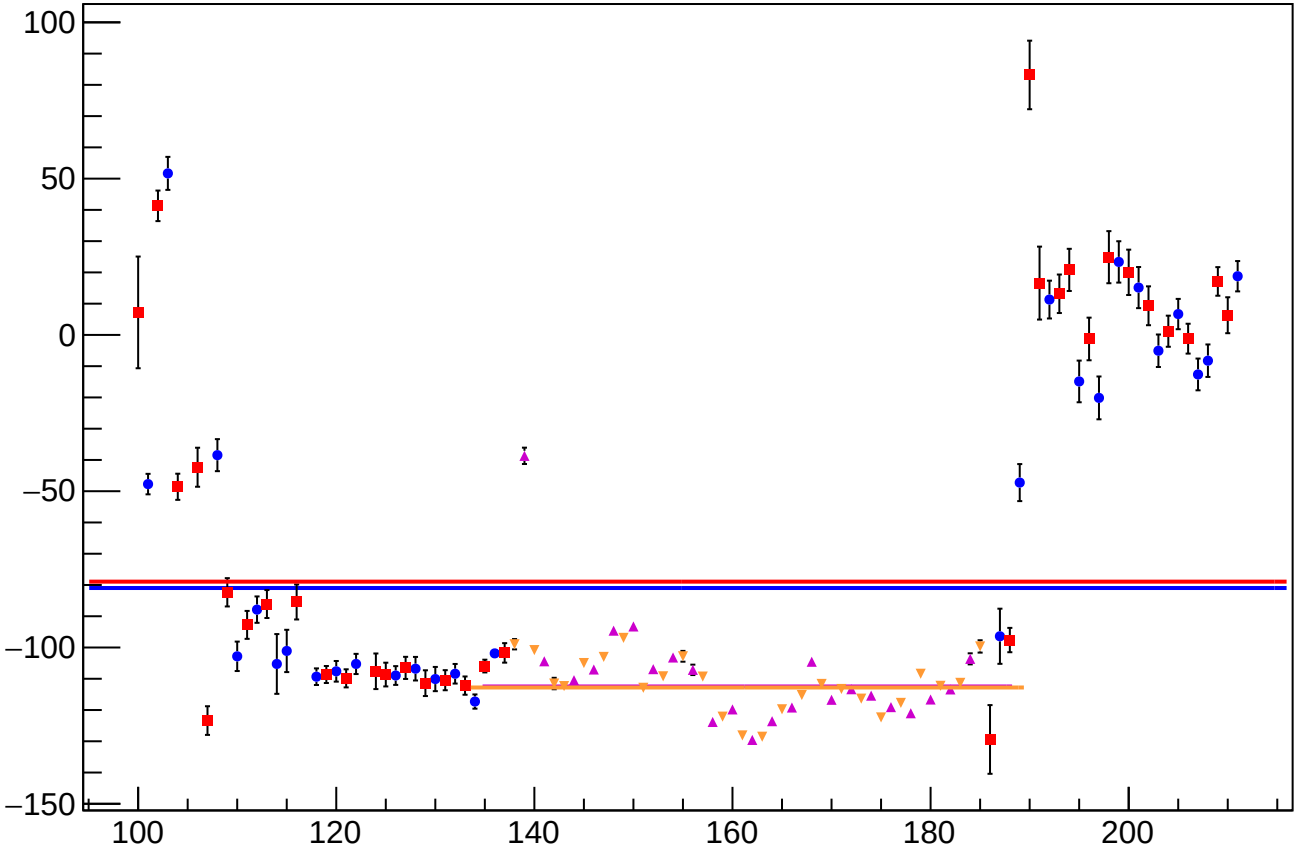
Left In: -95.489+/-0.321 χ^2/NDF:970.1/22

+ sign -99.531+/-0.274 χ^2/NDF: 2542.1/52

All: -99.930+/-0.197 χ^2/NDF: 5264.0/108

- sign -100.352+/-0.282 χ^2/NDF: 2717.6/55

reg_asym_sam_26_dd_diff_bpm4eY_slope vs Slug



Right In: -80.969+/-0.717 χ^2/NDF: 4028.8/27

Left Out: -112.794+/-0.274 χ^2/NDF:936.4/24

Right Out: -78.929+/-0.748 χ^2/NDF: 4351.0/32

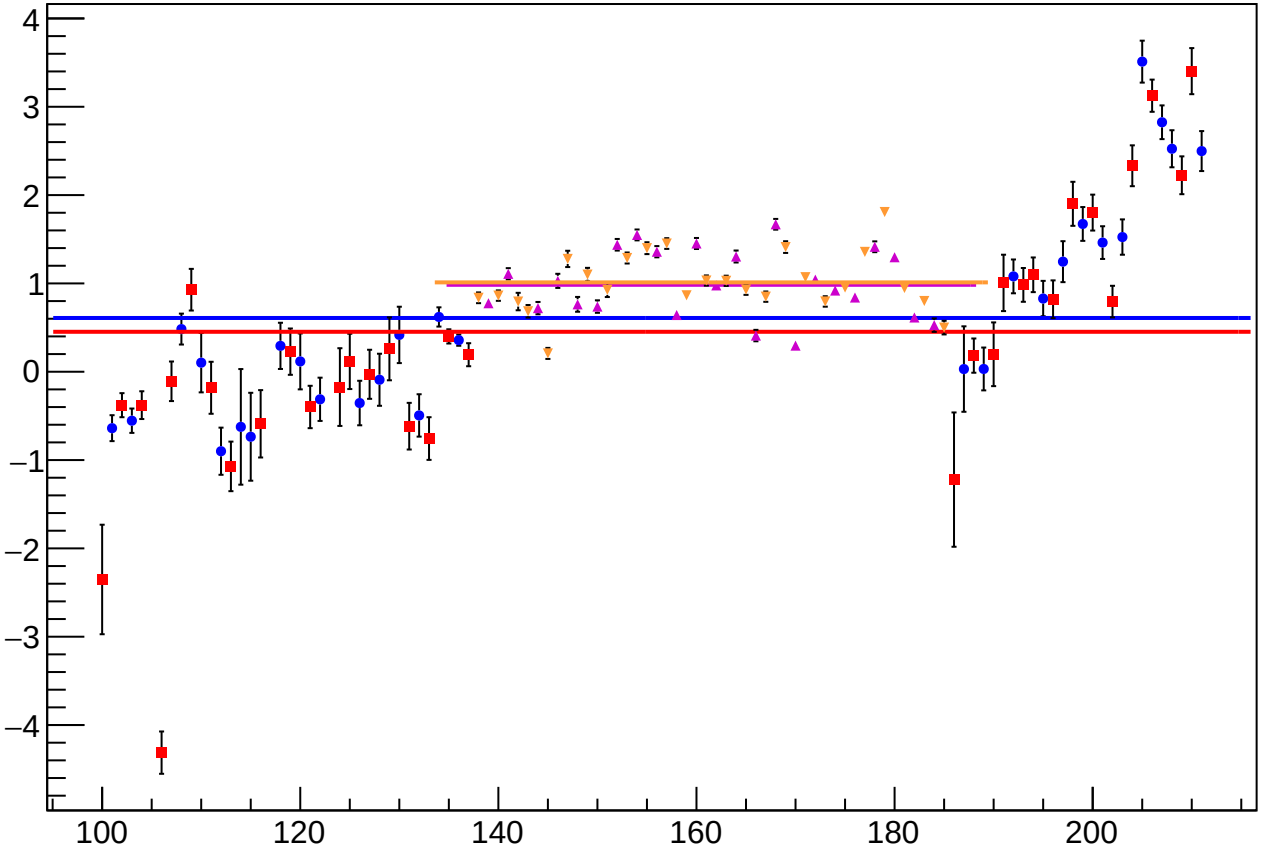
Left In: -112.465+/-0.285 χ^2/NDF:1788.6/22

+ sign -108.735+/-0.256 χ^2/NDF: 6685.1/52

All: -108.485+/-0.184 χ^2/NDF: 14584.2/108

- sign -108.214+/-0.266 χ^2/NDF: 7897.1/55

reg_asym_sam_26_dd_diff_bpm12X_slope vs Slug



Right In: 0.609+/-0.034 χ^2/NDF: 796.7/27

Left Out: 1.012+/-0.012 χ^2/NDF:691.2/24

Right Out: 0.452+/-0.036 χ^2/NDF: 1189.6/32

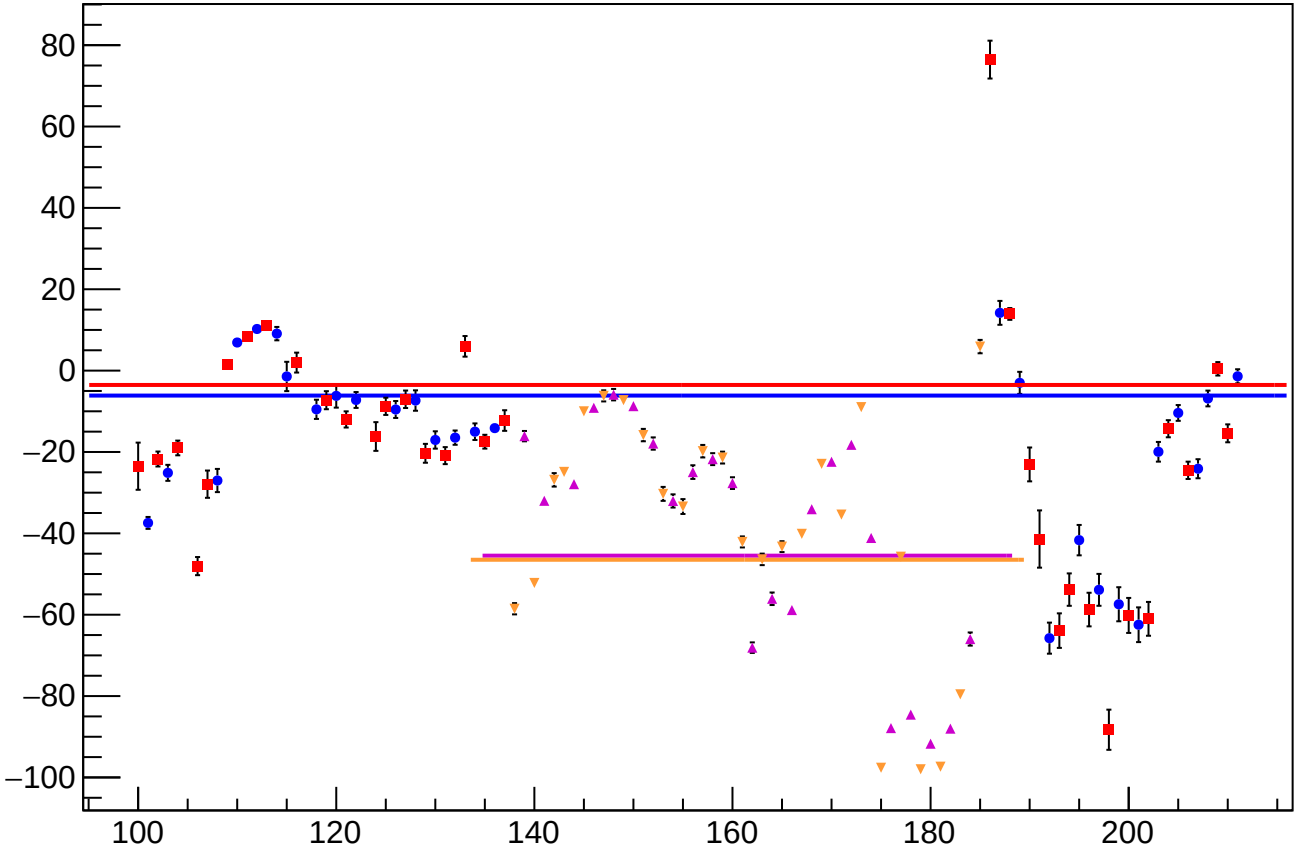
Left In: 0.984+/-0.013 χ^2/NDF:900.0/22

+ sign 0.966+/-0.012 χ^2/NDF: 1610.2/52

All: 0.947+/-0.008 χ^2/NDF: 3900.9/108

- sign 0.927+/-0.012 χ^2/NDF: 2284.9/55

reg_asym_sam_48_avg_diff_bpm1X_slope vs Slug



Right In: -6.135+/-0.337 χ^2/NDF: 2537.1/27

Left Out: -46.493+/-0.230 χ^2/NDF:20046.7/24

Right Out: -3.525+/-0.306 χ^2/NDF: 3409.3/32

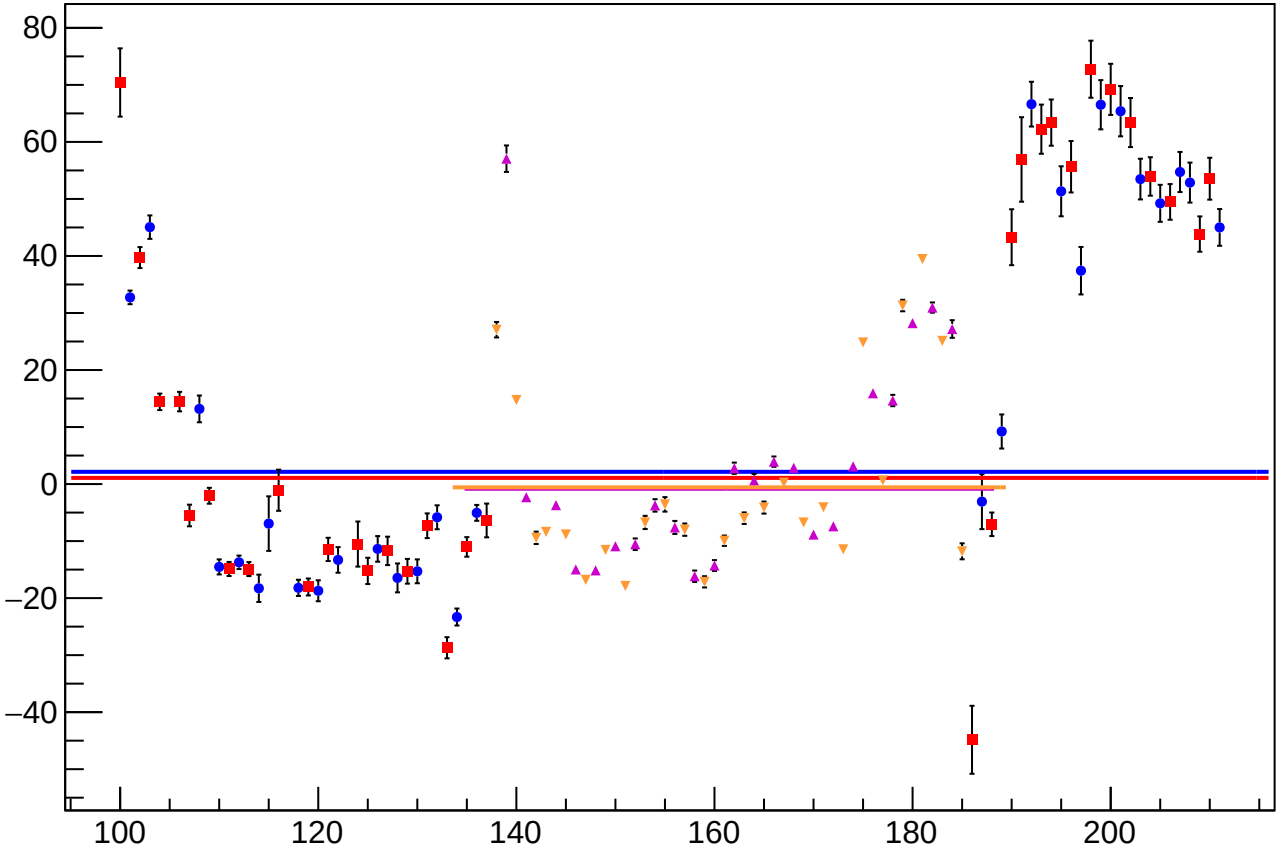
Left In: -45.487+/-0.238 χ^2/NDF:15571.1/22

\+ sign -33.637+/-0.190 χ^2/NDF: 32384.2/52

All: -31.644+/-0.134 χ^2/NDF: 63310.2/108

\- sign -29.697+/-0.188 χ^2/NDF: 30708.3/55

reg_asym_sam_48_avg_diff_bpm4aY_slope vs Slug



Right In: 2.148+/-0.400 χ^2/NDF: 4332.0/27

Left Out: -0.572+/-0.177 χ^2/NDF:8451.5/24

Right Out: 1.083+/-0.389 χ^2/NDF: 4066.5/32

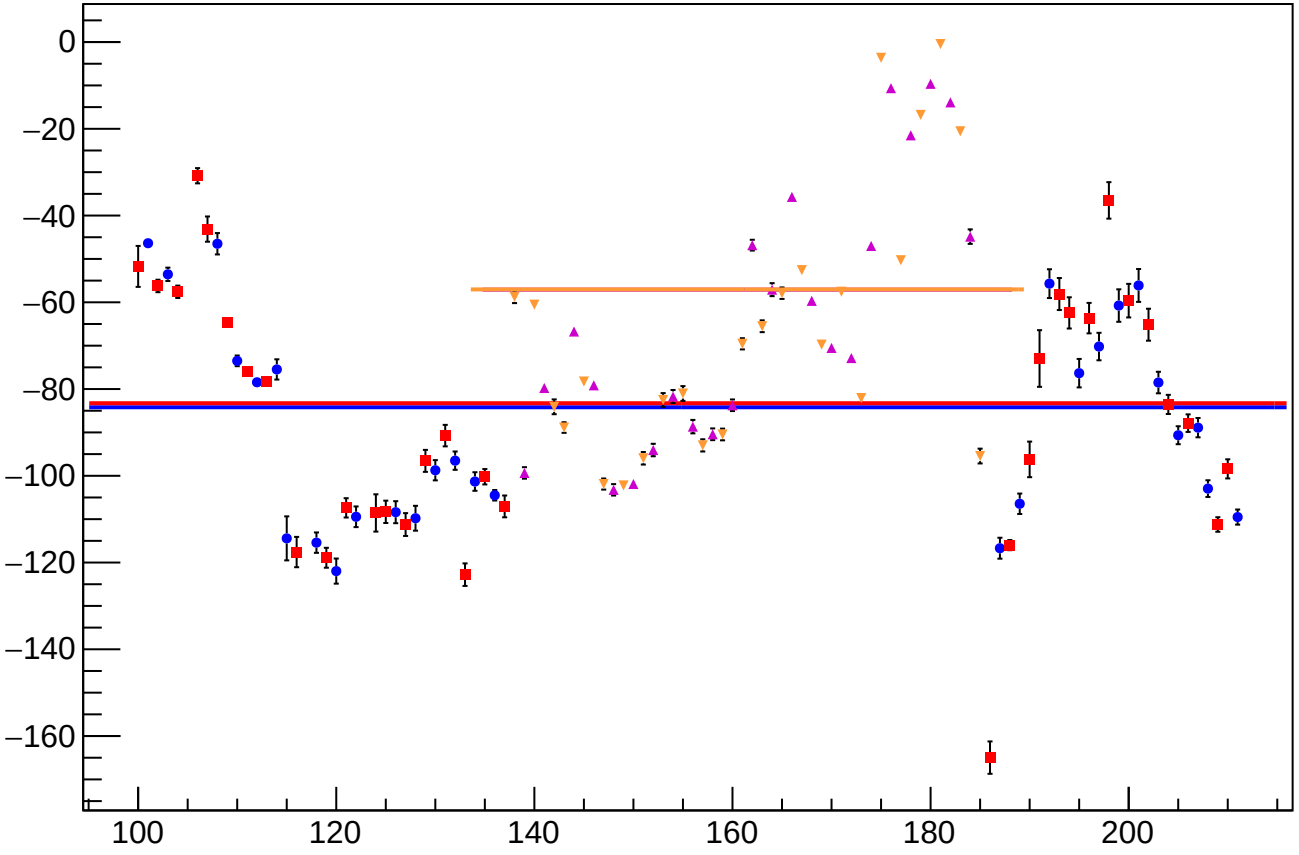
Left In: -0.828+/-0.183 χ^2/NDF:6116.6/22

+ sign -0.126+/-0.162 χ^2/NDF: 12822.1/52

All: -0.300+/-0.116 χ^2/NDF: 23027.3/108

- sign -0.482+/-0.166 χ^2/NDF: 10202.9/55

reg_asym_sam_48_avg_diff_bpm4eX_slope vs Slug



Right In: -84.201+/-0.373 χ^2/NDF: 3709.6/27

Left Out: -57.029+/-0.230 χ^2/NDF:20309.3/24

Right Out: -83.270+/-0.352 χ^2/NDF: 5228.6/32

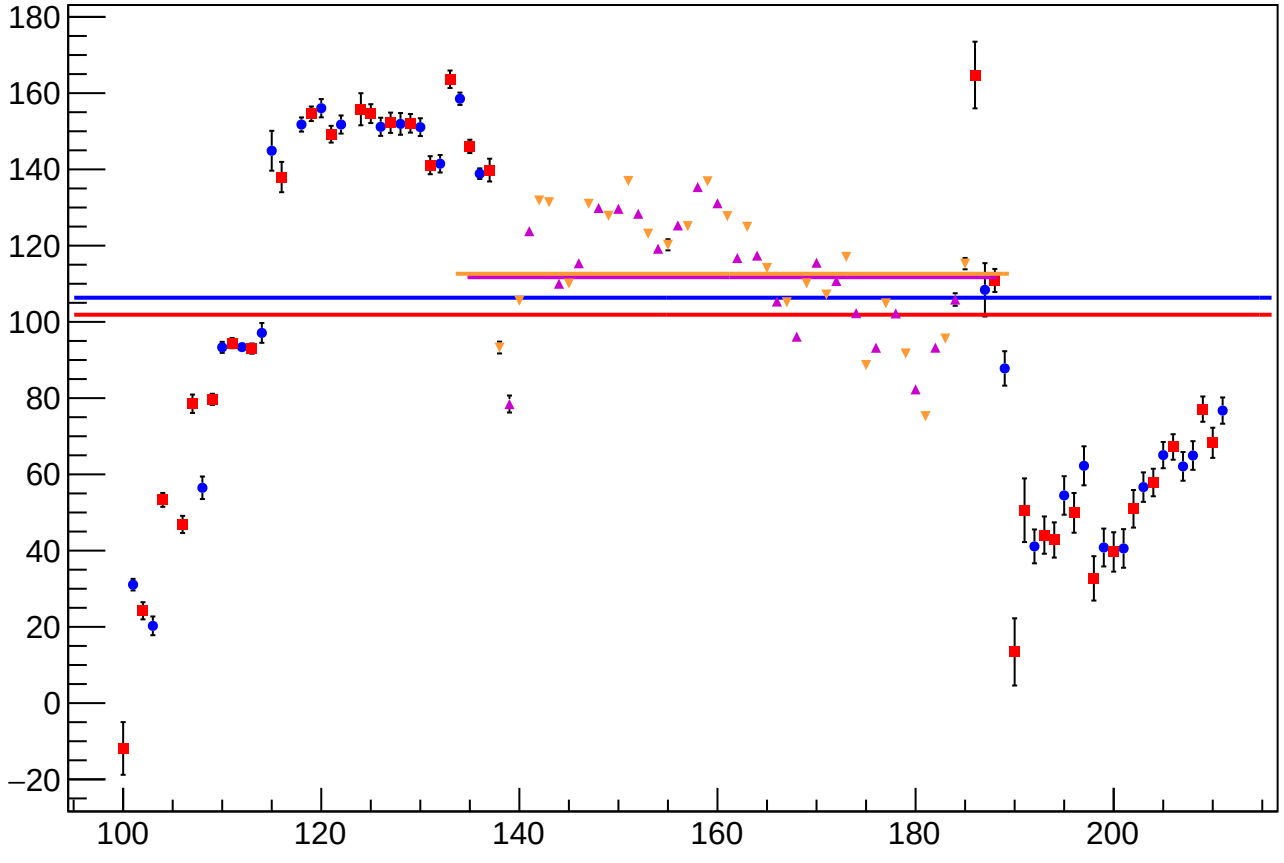
Left In: -57.091+/-0.237 χ^2/NDF:17167.8/22

+ sign -64.499+/-0.196 χ^2/NDF: 27860.3/52

All: -64.870+/-0.139 χ^2/NDF: 54076.5/108

- sign -65.243+/-0.196 χ^2/NDF: 26209.1/55

reg_asym_sam_48_avg_diff_bpm4eY_slope vs Slug



Right In: 106.339+/-0.455 χ^2/NDF: 9794.5/27

Left Out: 112.625+/-0.200 χ^2/NDF:6708.0/24

Right Out: 101.880+/-0.445 χ^2/NDF: 9060.9/32

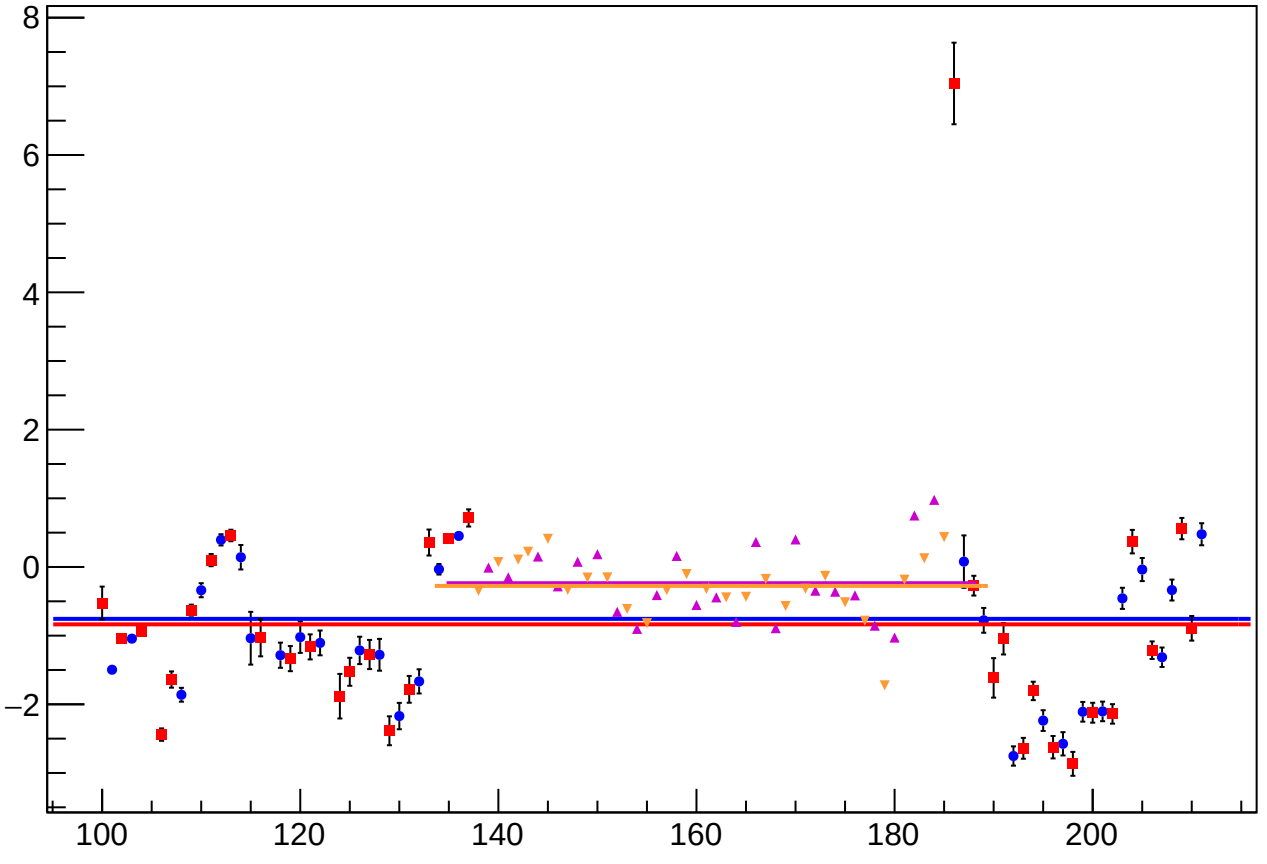
Left In: 111.720+/-0.206 χ^2/NDF:4896.8/22

+ sign 111.607+/-0.183 χ^2/NDF: 16662.6/52

All: 110.811+/-0.131 χ^2/NDF: 31061.9/108

- sign 109.982+/-0.187 χ^2/NDF: 14360.7/55

reg_asym_sam_48_avg_diff_bpm12X_slope vs Slug



Right In: -0.756+/-0.022 χ^2/NDF: 1849.7/27

Left Out: -0.276+/-0.009 χ^2/NDF:2122.4/24

Right Out: -0.836+/-0.022 χ^2/NDF: 2316.8/32

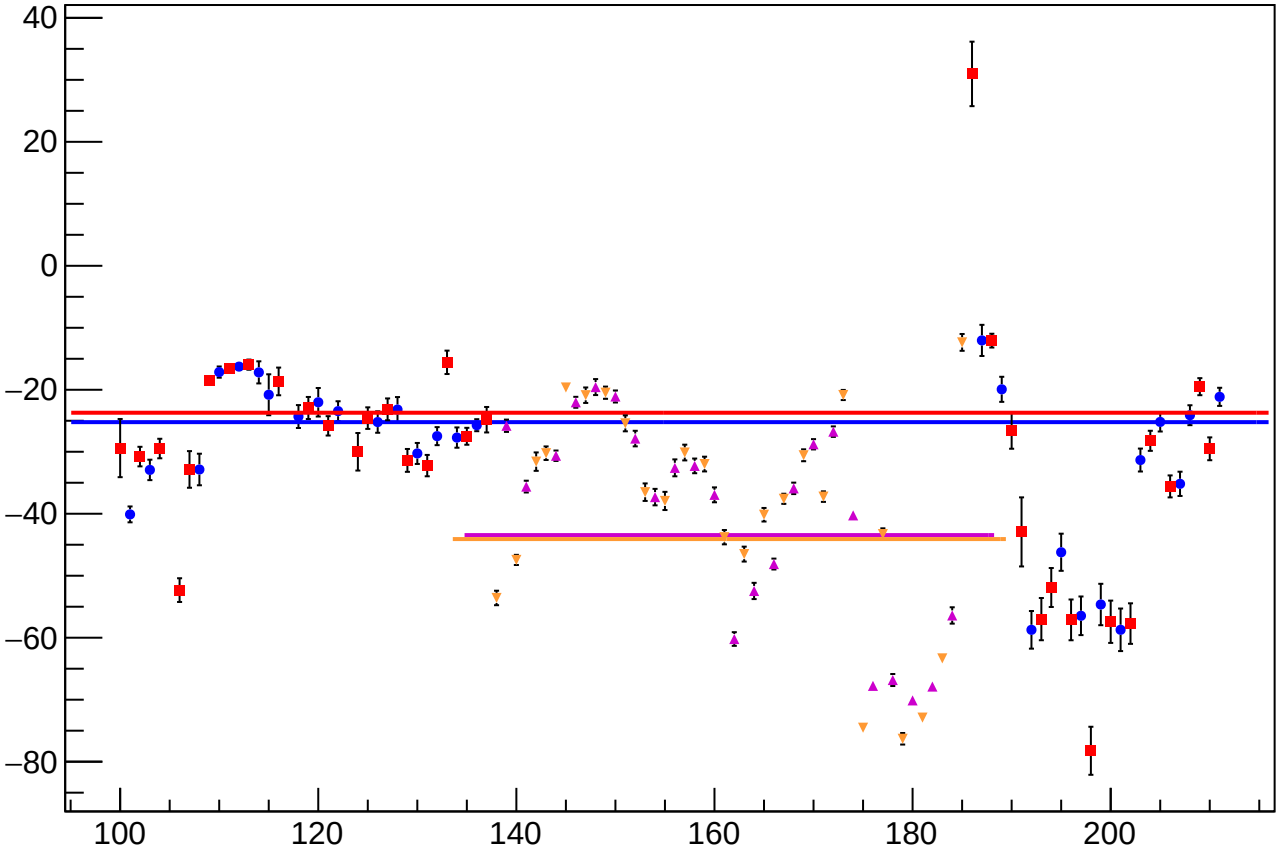
Left In: -0.236+/-0.009 χ^2/NDF:2961.3/22

+ sign -0.342+/-0.008 χ^2/NDF: 4364.6/52

All: -0.334+/-0.006 χ^2/NDF: 10282.3/108

- sign -0.326+/-0.008 χ^2/NDF: 5916.0/55

reg_asym_sam_48_dd_diff_bpm1X_slope vs Slug



Right In: -25.223+/-0.302 χ^2/NDF: 951.8/27

Left Out: -44.087+/-0.193 χ^2/NDF:10340.4/24

Right Out: -23.705+/-0.281 χ^2/NDF: 1557.4/32

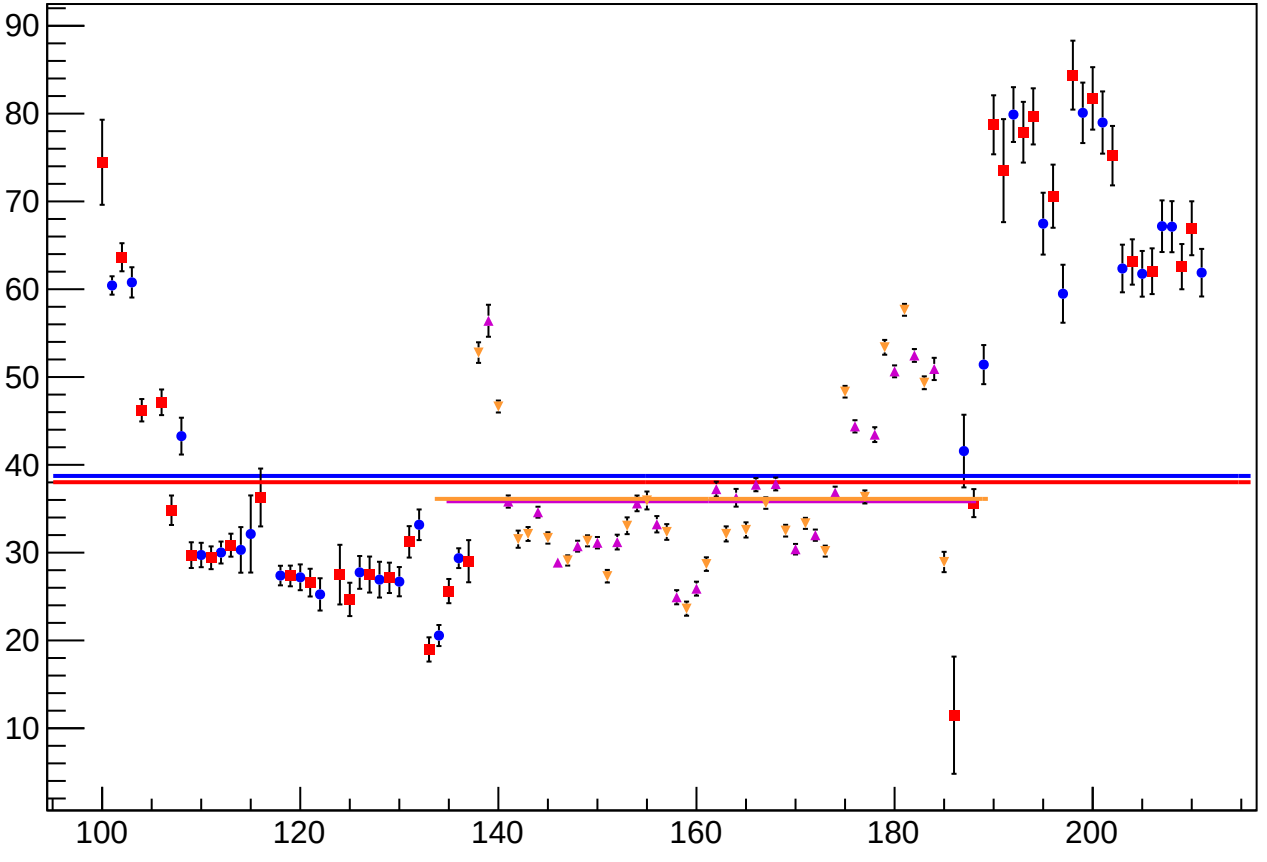
Left In: -43.444+/-0.199 χ^2/NDF:7820.5/22

+ sign -38.613+/-0.163 χ^2/NDF: 14063.6/52

All: -37.730+/-0.115 χ^2/NDF: 26796.3/108

- sign -36.851+/-0.162 χ^2/NDF: 12673.8/55

reg_asym_sam_48_dd_diff_bpm4aY_slope vs Slug



Right In: 38.735+/-0.344 χ^2/NDF: 2351.8/27

Left Out: 36.123+/-0.150 χ^2/NDF:3558.5/24

Right Out: 38.021+/-0.337 χ^2/NDF: 2419.2/32

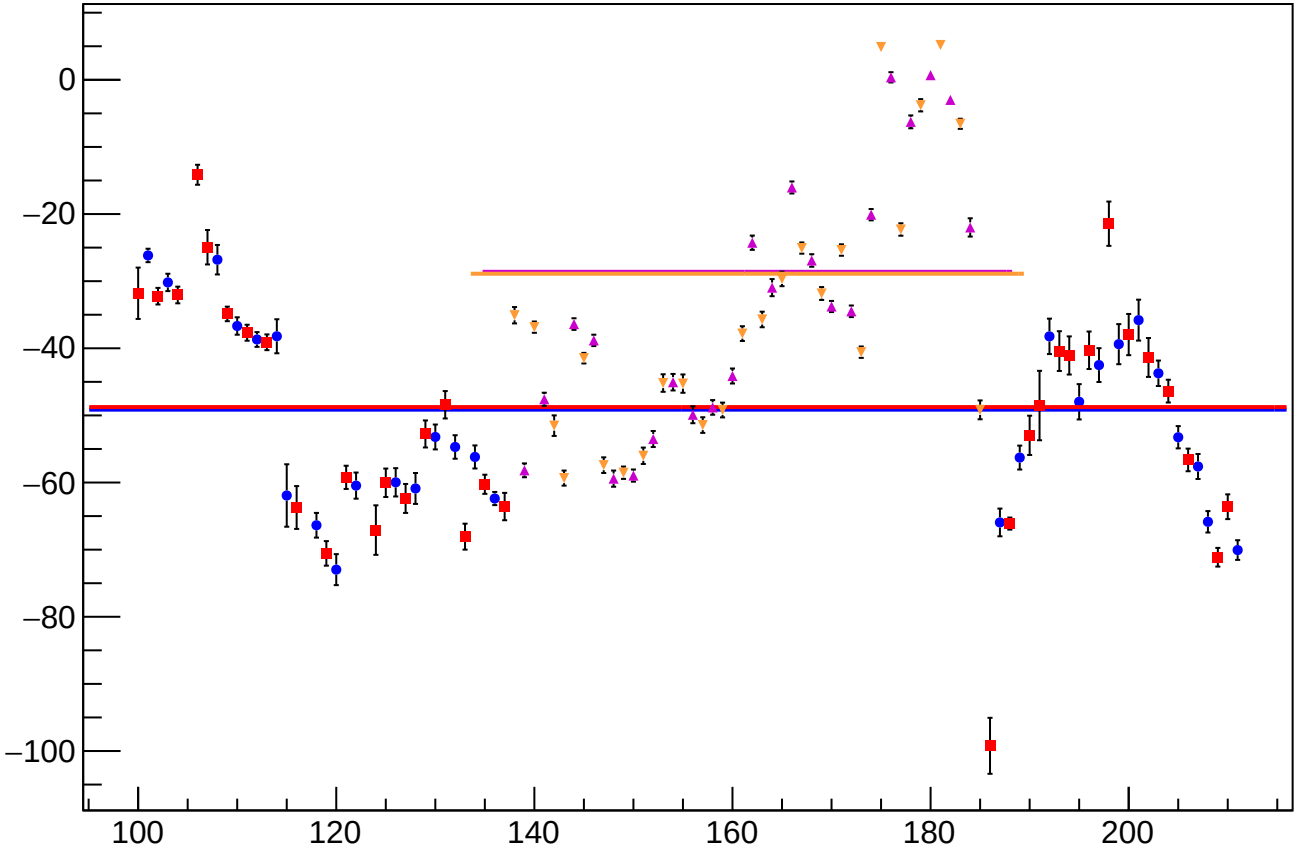
Left In: 35.852+/-0.155 χ^2/NDF:2293.5/22

+ sign 36.541+/-0.138 χ^2/NDF: 5958.8/52

All: 36.389+/-0.098 χ^2/NDF: 10708.2/108

- sign 36.230+/-0.141 χ^2/NDF: 4746.9/55

reg_asym_sam_48_dd_diff_bpm4eX_slope vs Slug



Right In: -49.140+/-0.323 χ^2/NDF: 2032.8/27

Left Out: -28.891+/-0.193 χ^2/NDF:11798.4/24

Right Out: -48.760+/-0.307 χ^2/NDF: 2819.1/32

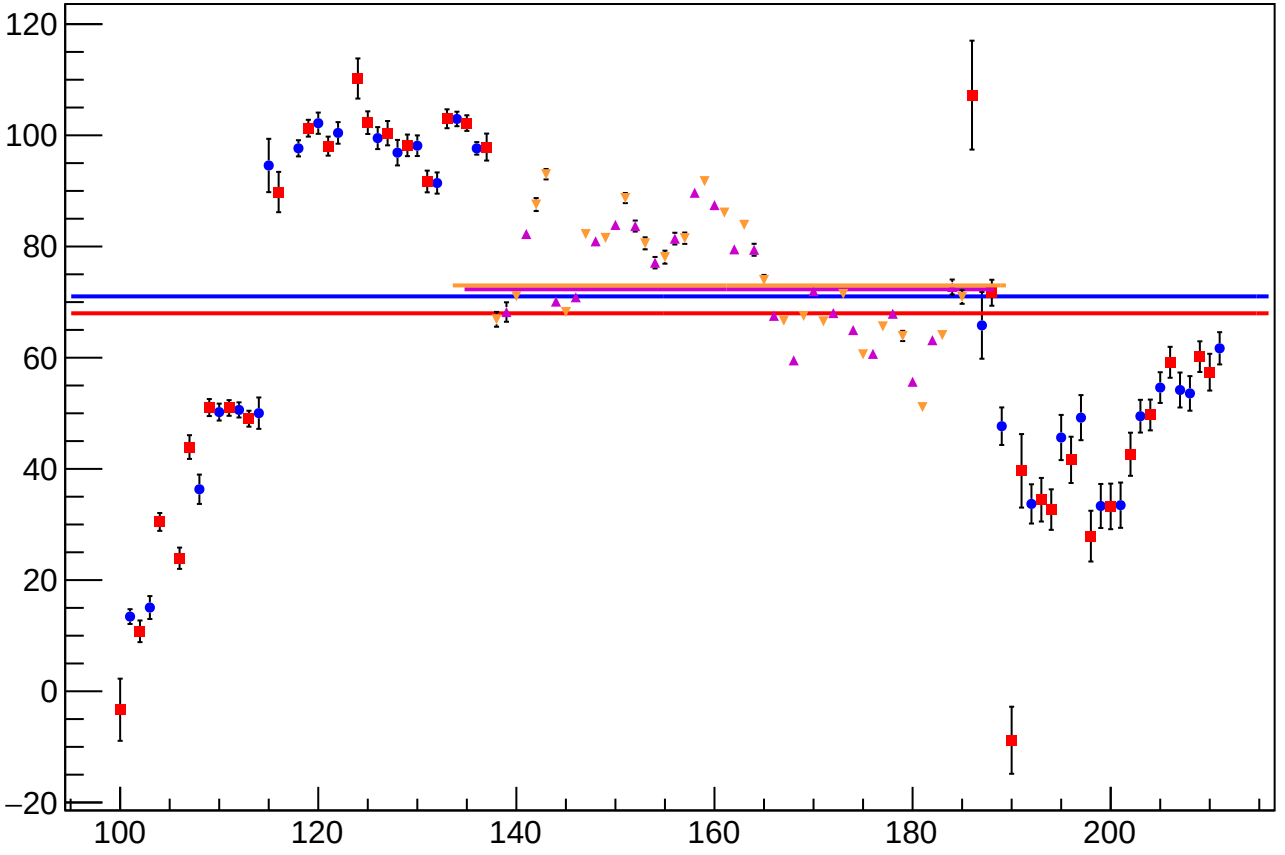
Left In: -28.605+/-0.198 χ^2/NDF:10014.7/22

\+ sign -34.208+/-0.166 χ^2/NDF: 16728.9/52

All: -34.365+/-0.117 χ^2/NDF: 32613.9/108

\- sign -34.522+/-0.166 χ^2/NDF: 15883.2/55

reg_asym_sam_48_dd_diff_bpm4eY_slope vs Slug



Right In: 71.029+/-0.393 χ^2/NDF: 6479.8/27

Left Out: 73.002+/-0.168 χ^2/NDF:4052.4/24

Right Out: 67.986+/-0.389 χ^2/NDF: 6364.7/32

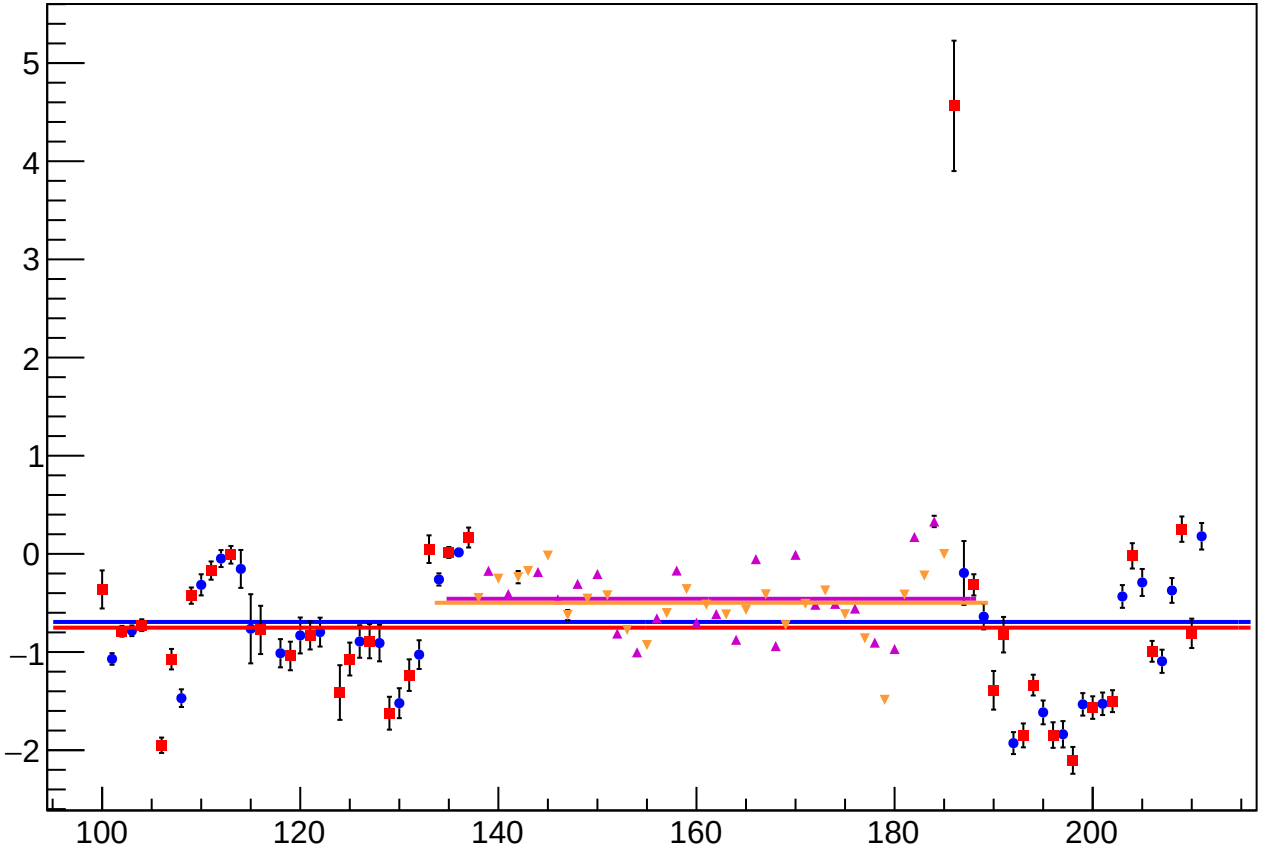
Left In: 72.302+/-0.173 χ^2/NDF:2912.6/22

+ sign 72.695+/-0.155 χ^2/NDF: 10553.6/52

All: 72.153+/-0.111 χ^2/NDF: 19958.7/108

- sign 71.586+/-0.158 χ^2/NDF: 9380.1/55

reg_asym_sam_48_dd_diff_bpm12X_slope vs Slug



Right In: -0.694+/-0.019 χ^2/NDF: 962.3/27

Left Out: -0.498+/-0.008 χ^2/NDF:1482.9/24

Right Out: -0.752+/-0.019 χ^2/NDF: 1290.3/32

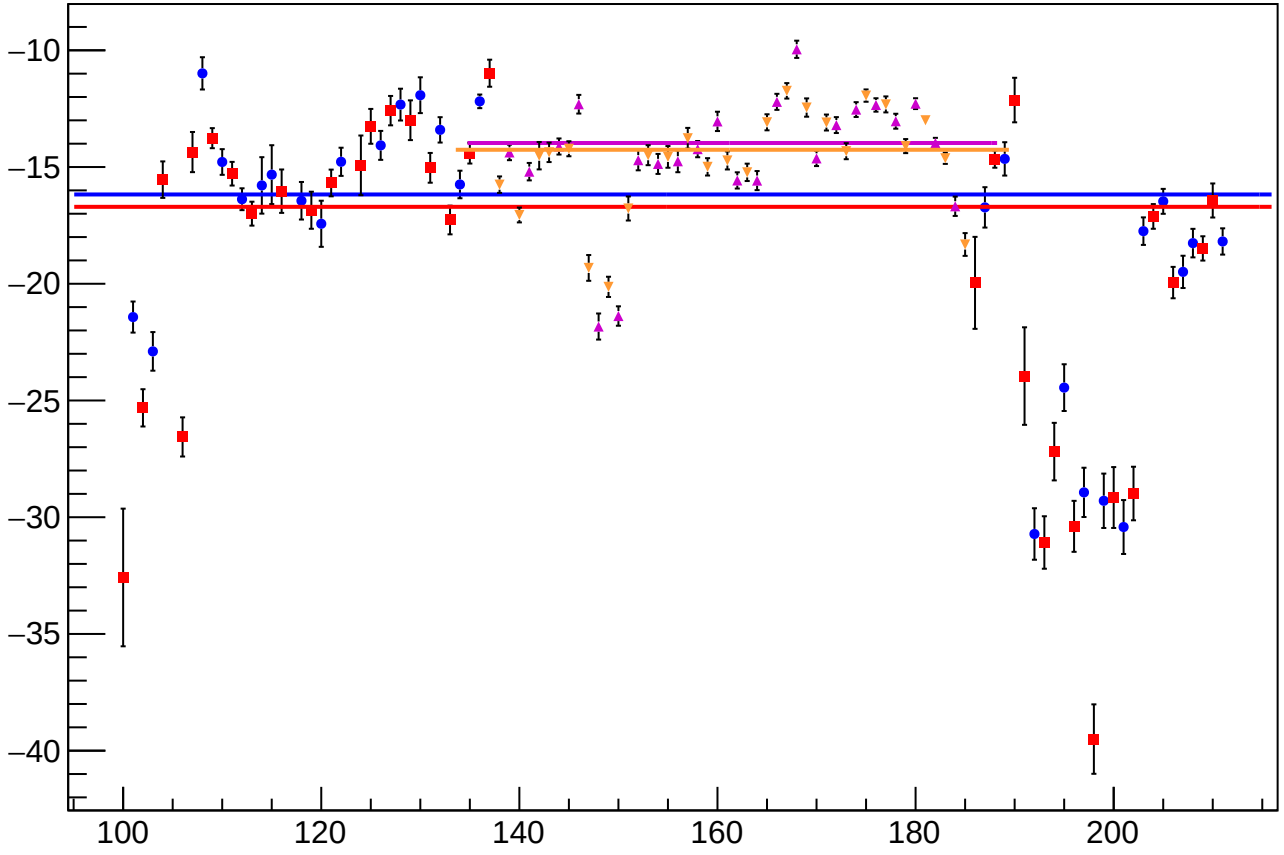
Left In: -0.458+/-0.008 χ^2/NDF:2103.1/22

+ sign -0.525+/-0.007 χ^2/NDF: 2536.6/52

All: -0.512+/-0.005 χ^2/NDF: 6147.7/108

- sign -0.500+/-0.007 χ^2/NDF: 3605.0/55

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs Slug



Right In: -16.175+/-0.123 χ^2/NDF: 1213.6/27

Left Out: -14.261+/-0.070 χ^2/NDF:724.0/24

Right Out: -16.705+/-0.120 χ^2/NDF: 1507.1/32

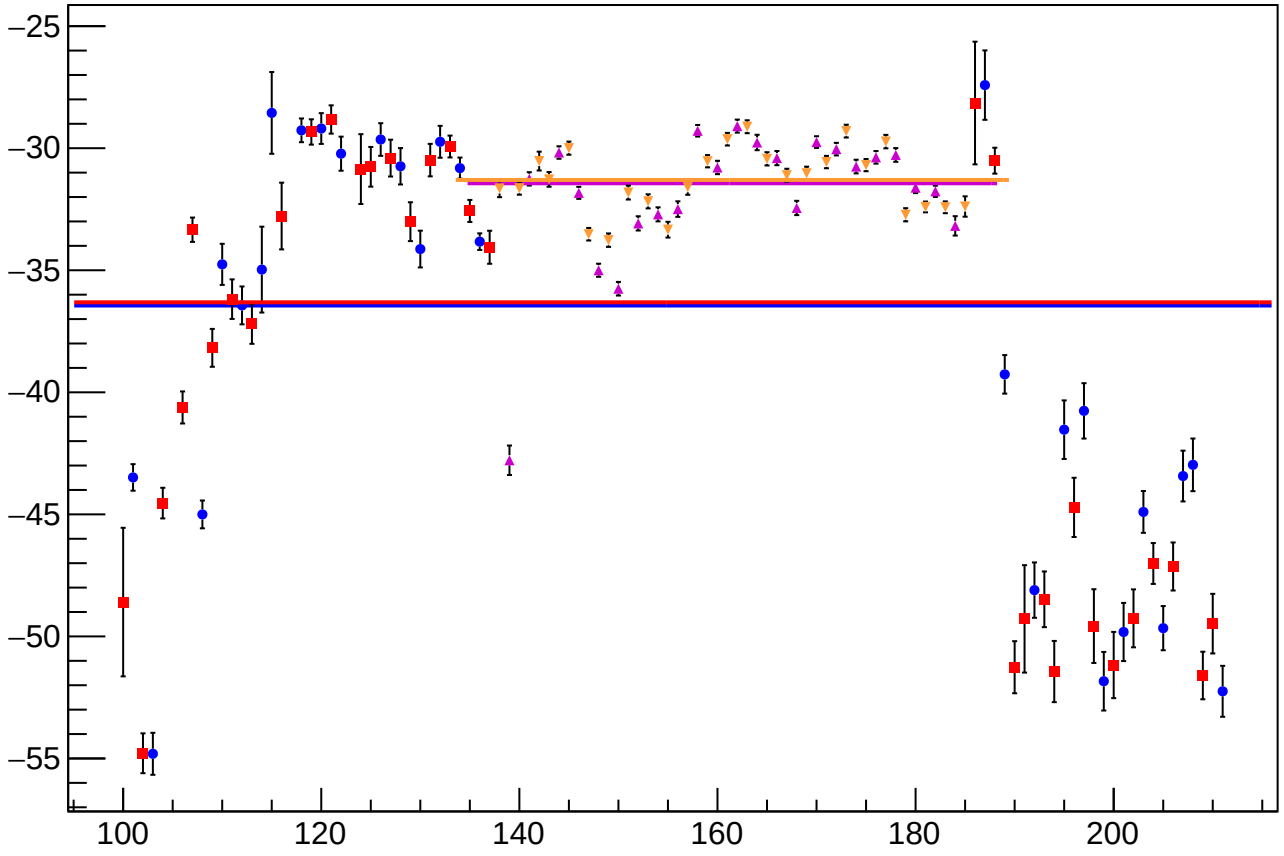
Left In: -13.970+/-0.072 χ^2/NDF:907.7/22

\+ sign -14.729+/-0.061 χ^2/NDF: 2122.0/52

All: -14.709+/-0.043 χ^2/NDF: 4917.0/108

\- sign -14.688+/-0.062 χ^2/NDF: 2794.7/55

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs Slug



Right In: -36.444+/-0.137 χ^2/NDF: 2916.2/27

Left Out: -31.301+/-0.055 χ^2/NDF:553.1/24

Right Out: -36.313+/-0.135 χ^2/NDF: 3271.4/32

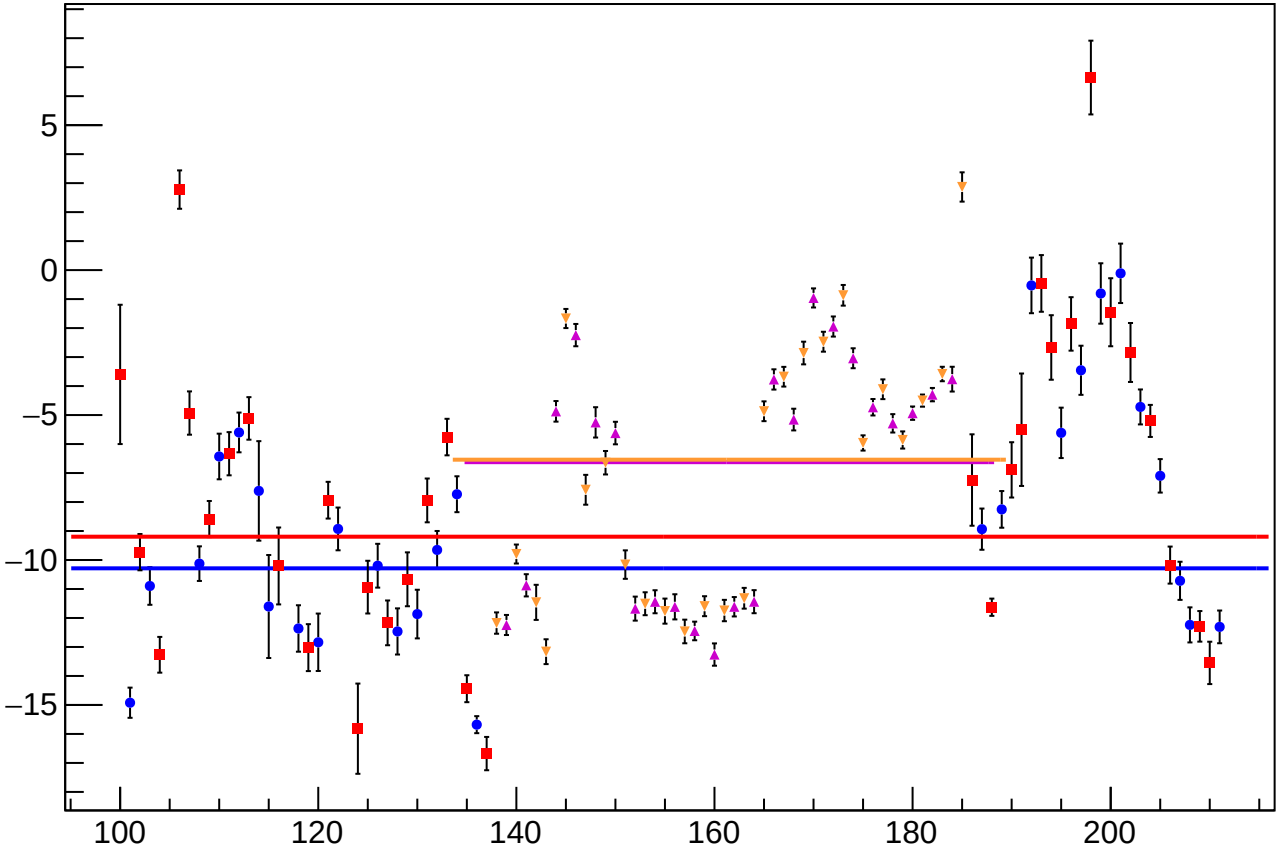
Left In: -31.436+/-0.057 χ^2/NDF:1214.8/22

+ sign -32.023+/-0.051 χ^2/NDF: 4688.1/52

All: -32.100+/-0.037 χ^2/NDF: 10284.6/108

- sign -32.180+/-0.053 χ^2/NDF: 5591.9/55

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs Slug



Right In: -10.287+/-0.126 χ^2/NDF: 1069.6/27

Left Out: -6.540+/-0.070 χ^2/NDF:3242.5/24

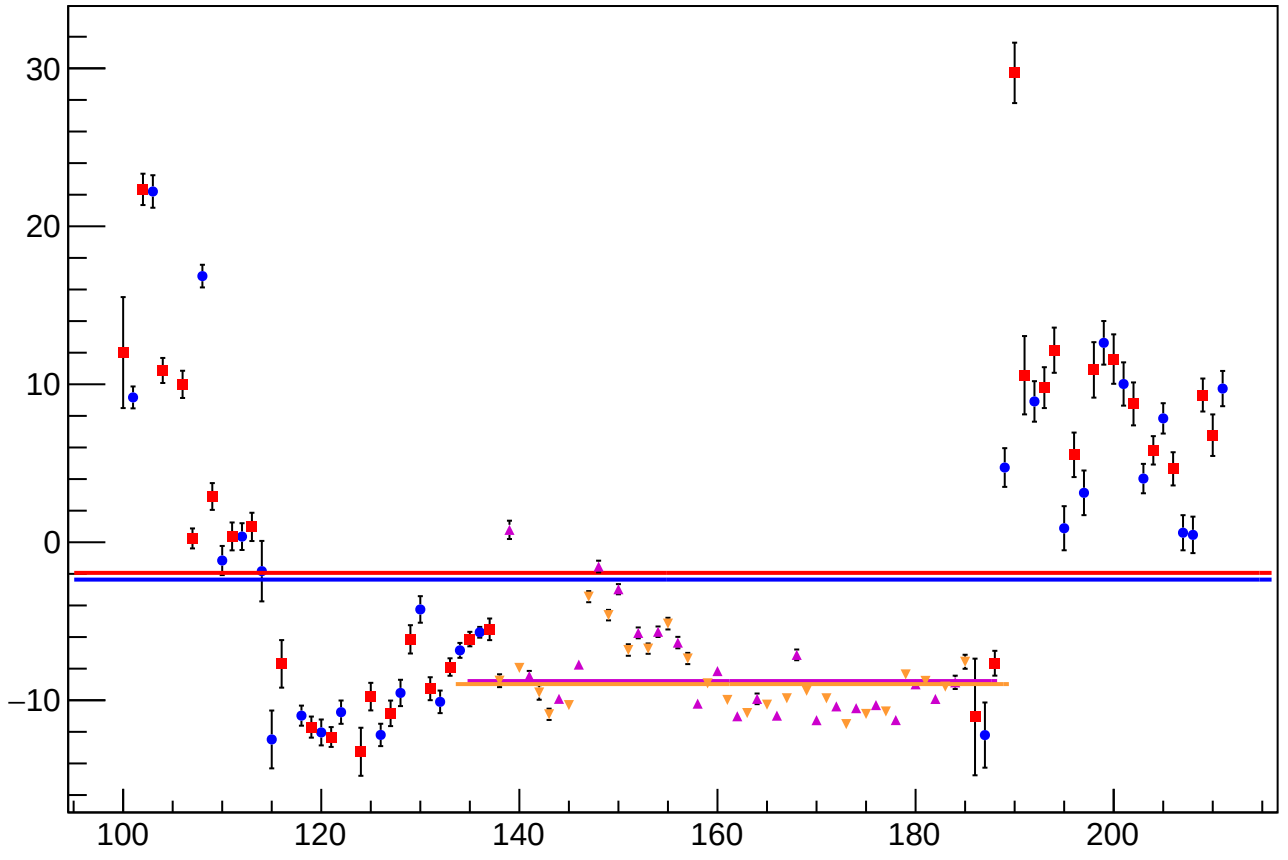
Right Out: -9.196+/-0.123 χ^2/NDF: 1469.1/32

Left In: -6.625+/-0.071 χ^2/NDF:2908.0/22

+ sign -7.416+/-0.061 χ^2/NDF: 4991.1/52

All: -7.346+/-0.043 χ^2/NDF: 9698.1/108

- sign -7.275+/-0.062 χ^2/NDF: 4704.4/55



Right In: -2.364+/-0.154 χ^2/NDF: 3278.9/27

Left Out: -8.977+/-0.061 χ^2/NDF:972.0/24

Right Out: -1.937+/-0.156 χ^2/NDF: 3270.5/32

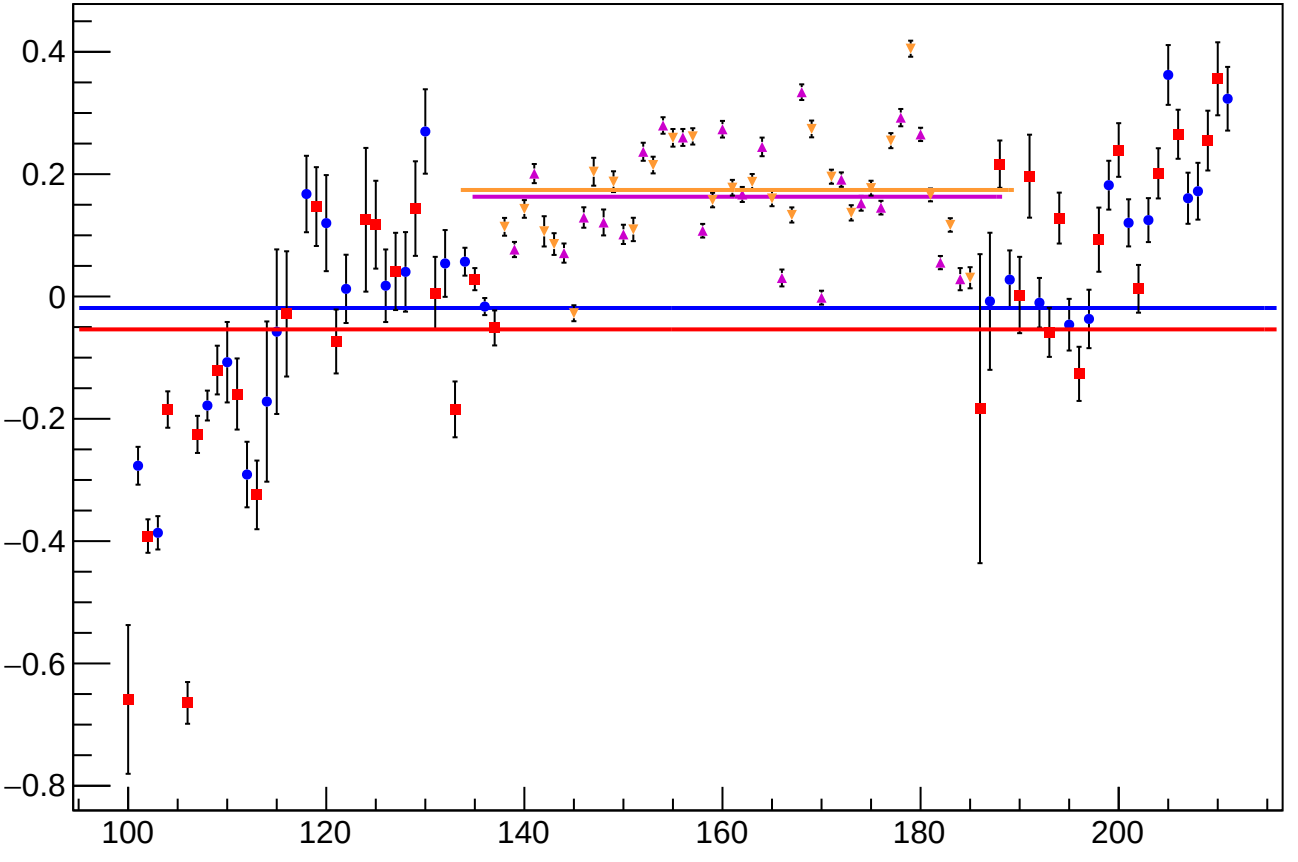
Left In: -8.785+/-0.063 χ^2/NDF:1685.0/22

+ sign -8.072+/-0.057 χ^2/NDF: 5836.5/52

All: -7.949+/-0.041 χ^2/NDF: 12448.7/108

- sign -7.818+/-0.059 χ^2/NDF: 6602.7/55

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs Slug



Right In: -0.019+/-0.007 χ^2/NDF: 562.2/27

Left Out: 0.174+/-0.003 χ^2/NDF:922.9/24

Right Out: -0.054+/-0.007 χ^2/NDF: 964.5/32

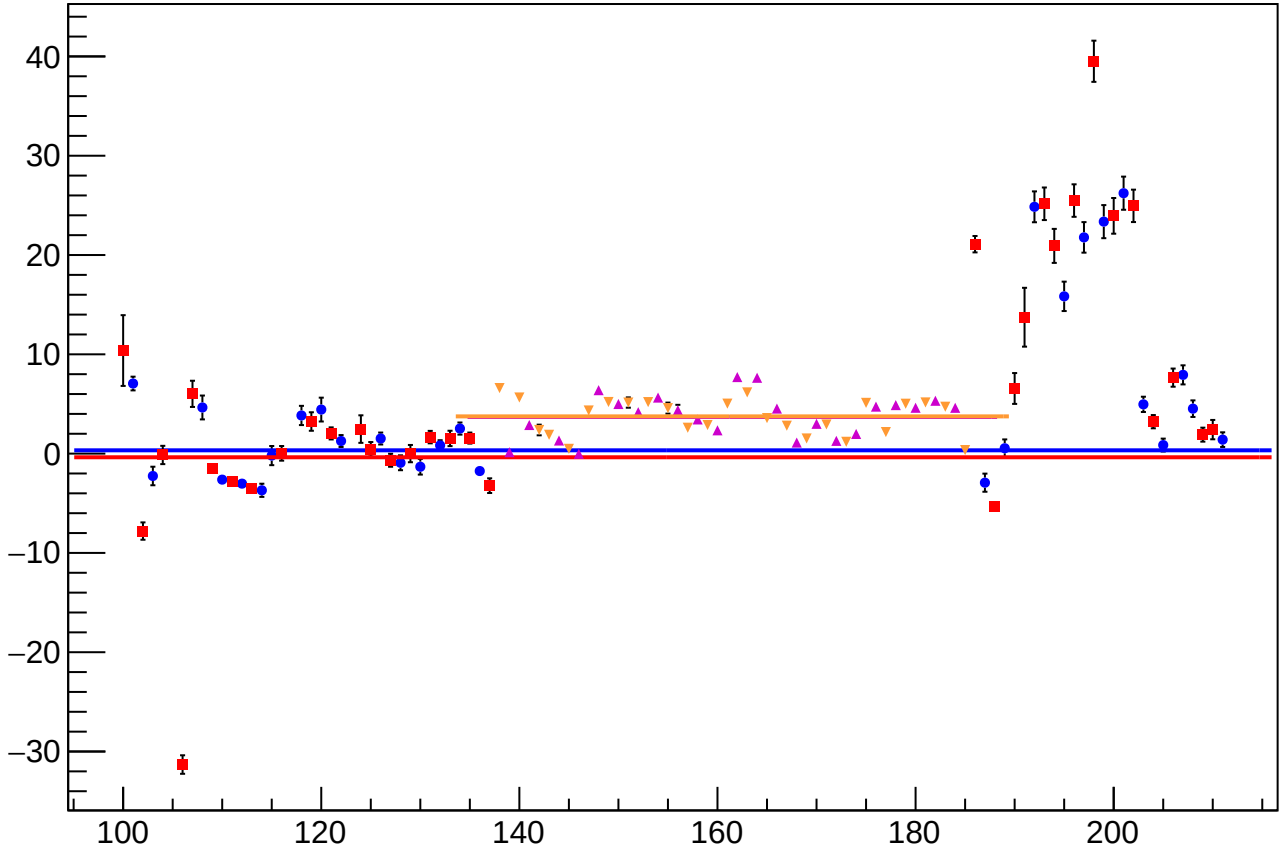
Left In: 0.163+/-0.003 χ^2/NDF:1195.1/22

+ sign 0.150+/-0.003 χ^2/NDF: 2123.5/52

All: 0.143+/-0.002 χ^2/NDF: 5057.5/108

- sign 0.136+/-0.003 χ^2/NDF: 2920.2/55

reg_asym_sam_15_37_dd_diff_bpm1X_slope vs Slug



Right In: 0.333+/-0.123 χ^2/NDF: 1584.5/27

Left Out: 3.750+/-0.062 χ^2/NDF:809.8/24

Right Out: -0.368+/-0.115 χ^2/NDF: 3860.5/32

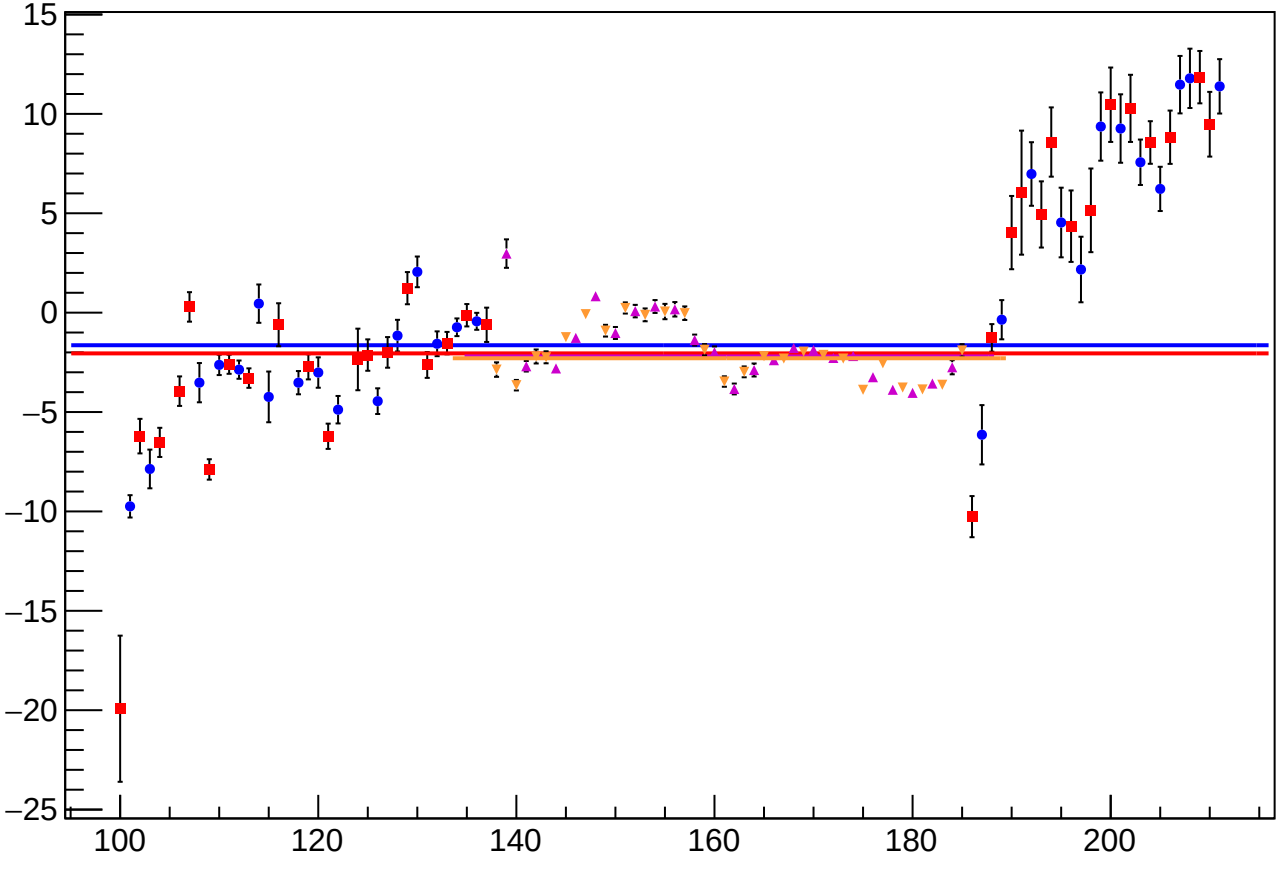
Left In: 3.688+/-0.064 χ^2/NDF:953.3/22

\+ sign 3.055+/-0.055 χ^2/NDF: 3012.6/52

All: 2.896+/-0.039 χ^2/NDF: 8791.0/108

\- sign 2.734+/-0.056 χ^2/NDF: 5761.7/55

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs Slug



Right In: -1.639+/-0.145 χ^2/NDF: 869.5/27

Left Out: -2.294+/-0.050 χ^2/NDF:631.5/24

Right Out: -2.050+/-0.144 χ^2/NDF: 900.1/32

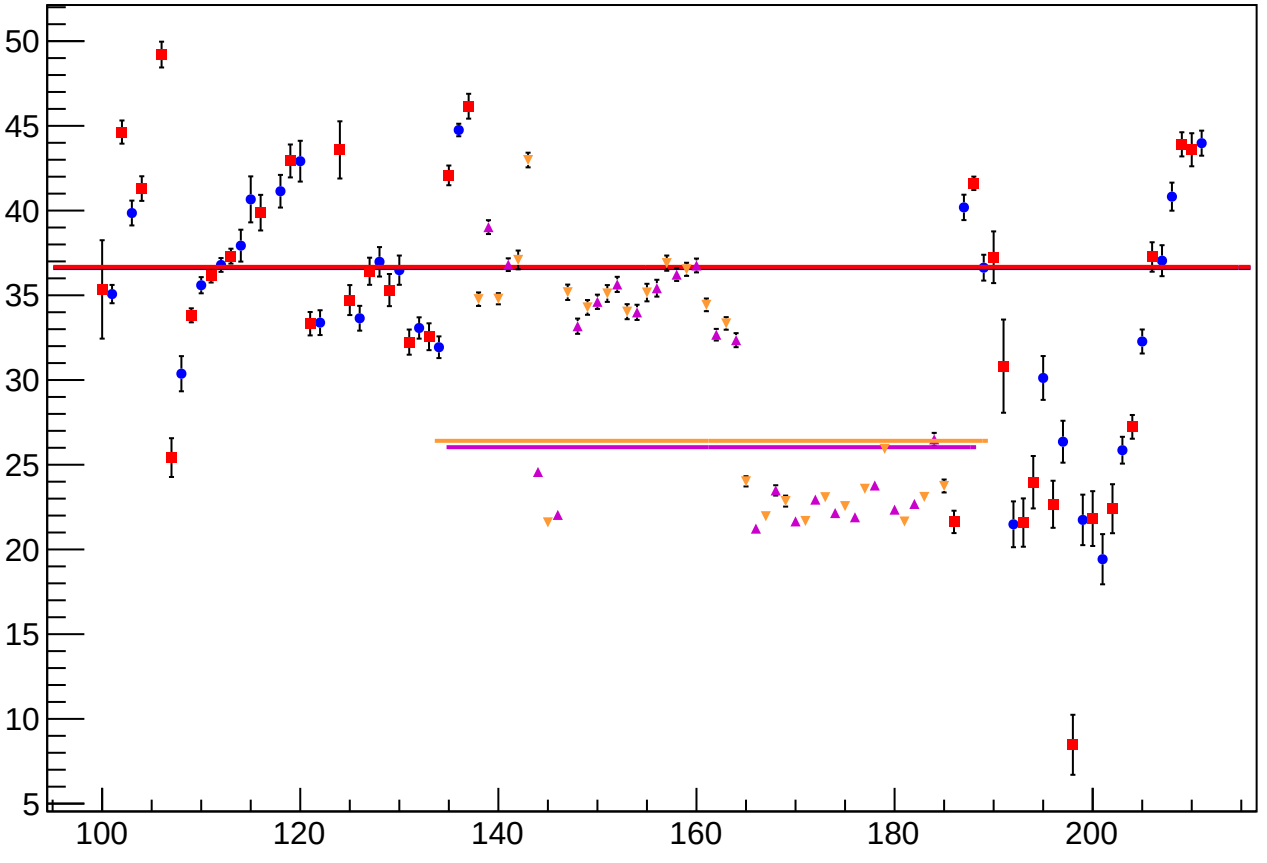
Left In: -2.204+/-0.051 χ^2/NDF:724.7/22

+ sign -2.226+/-0.047 χ^2/NDF: 1519.1/52

All: -2.207+/-0.034 χ^2/NDF: 3145.2/108

- sign -2.187+/-0.048 χ^2/NDF: 1625.7/55

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs Slug



Right In: 36.607+/-0.137 χ^2/NDF: 1557.7/27

Left Out: 26.411+/-0.062 χ^2/NDF:9222.2/24

Right Out: 36.679+/-0.132 χ^2/NDF: 2740.2/32

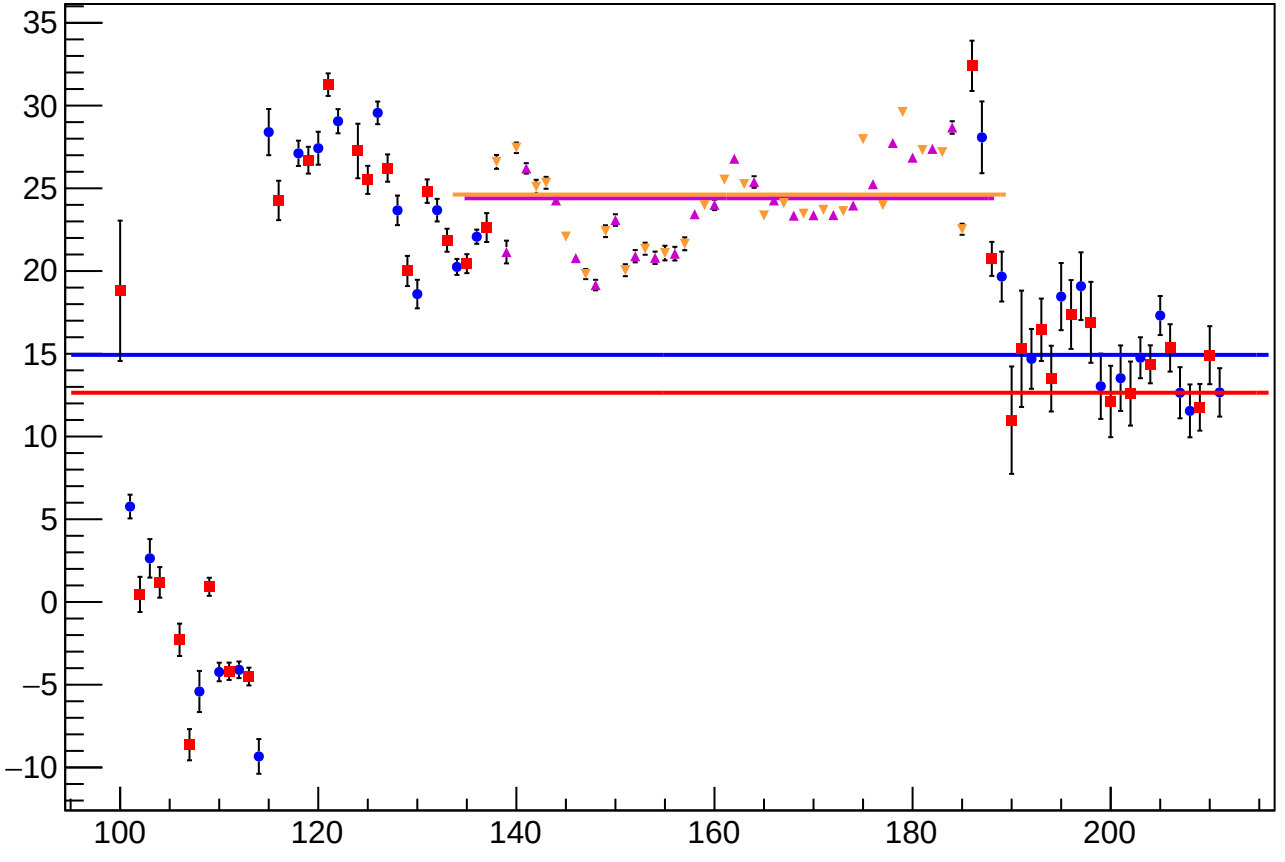
Left In: 26.036+/-0.064 χ^2/NDF:7842.9/22

+ sign 28.149+/-0.057 χ^2/NDF: 15348.6/52

All: 28.105+/-0.040 χ^2/NDF: 31213.7/108

- sign 28.061+/-0.057 χ^2/NDF: 15863.9/55

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs Slug



Right In: 14.934+/-0.163 χ^2/NDF: 5755.2/27

Left Out: 24.624+/-0.055 χ^2/NDF:1950.7/24

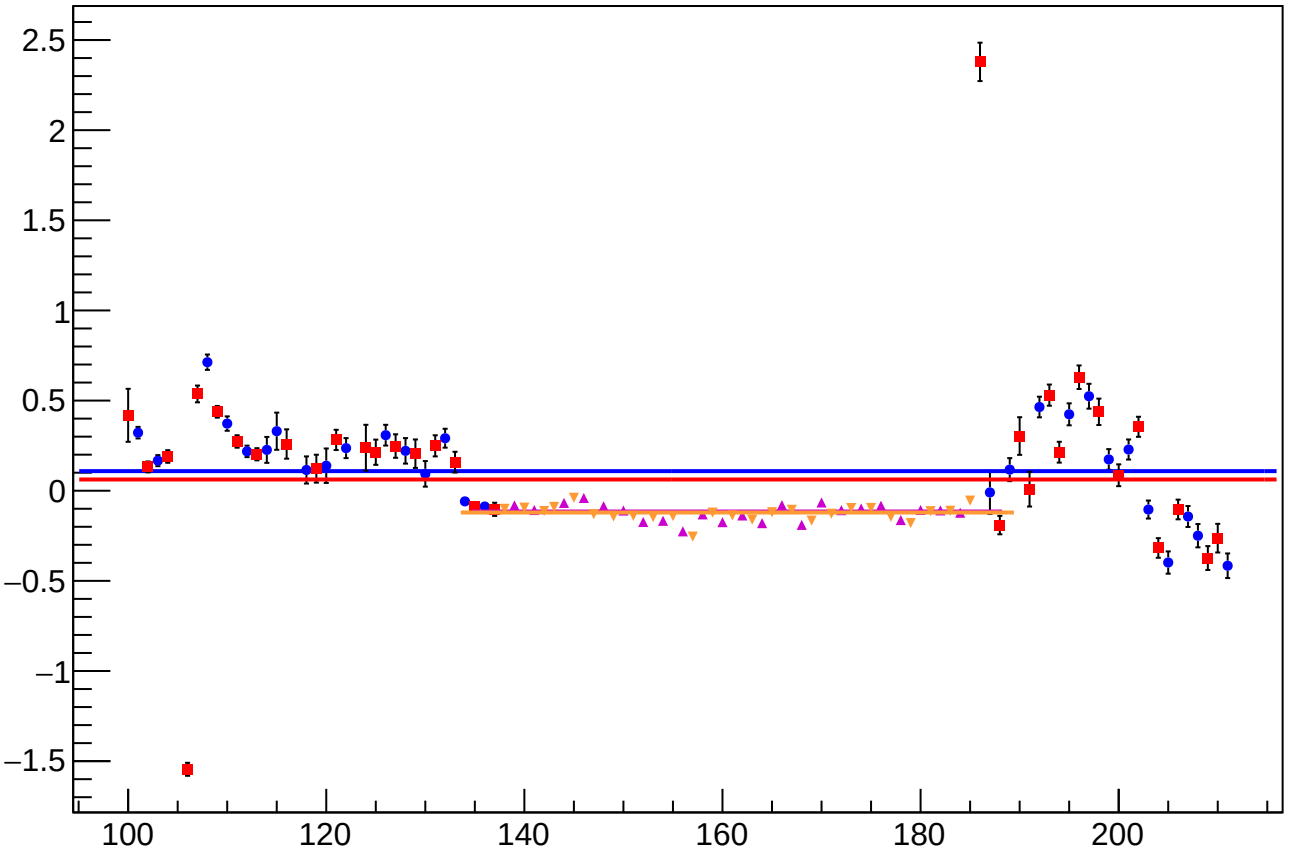
Right Out: 12.647+/-0.164 χ^2/NDF: 6372.7/32

Left In: 24.397+/-0.056 χ^2/NDF:1715.6/22

+ sign 23.627+/-0.052 χ^2/NDF: 10879.3/52

All: 23.397+/-0.037 χ^2/NDF: 23579.7/108

- sign 23.157+/-0.053 χ^2/NDF: 12660.8/55



Right In: 0.109+/-0.008 χ^2/NDF: 825.1/27

Left Out: -0.121+/-0.002 χ^2/NDF:262.9/24

Right Out: 0.062+/-0.009 χ^2/NDF: 3243.4/32

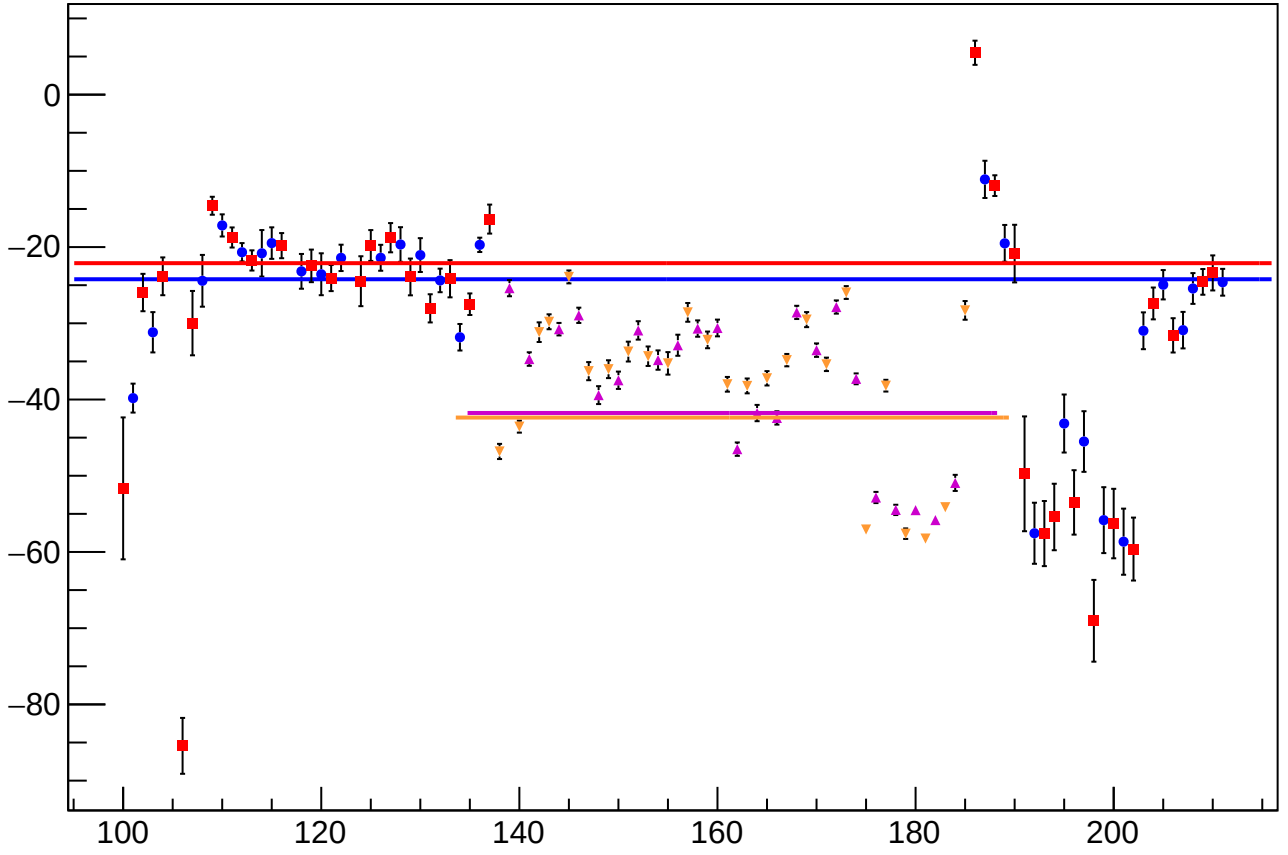
Left In: -0.115+/-0.003 χ^2/NDF:290.7/22

+ sign -0.102+/-0.002 χ^2/NDF: 1787.2/52

All: -0.102+/-0.002 χ^2/NDF: 5722.3/108

- sign -0.101+/-0.002 χ^2/NDF: 3934.9/55

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs Slug



Right In: -24.220+/-0.375 χ^2/NDF: 454.9/27

Left Out: -42.366+/-0.175 χ^2/NDF:4477.3/24

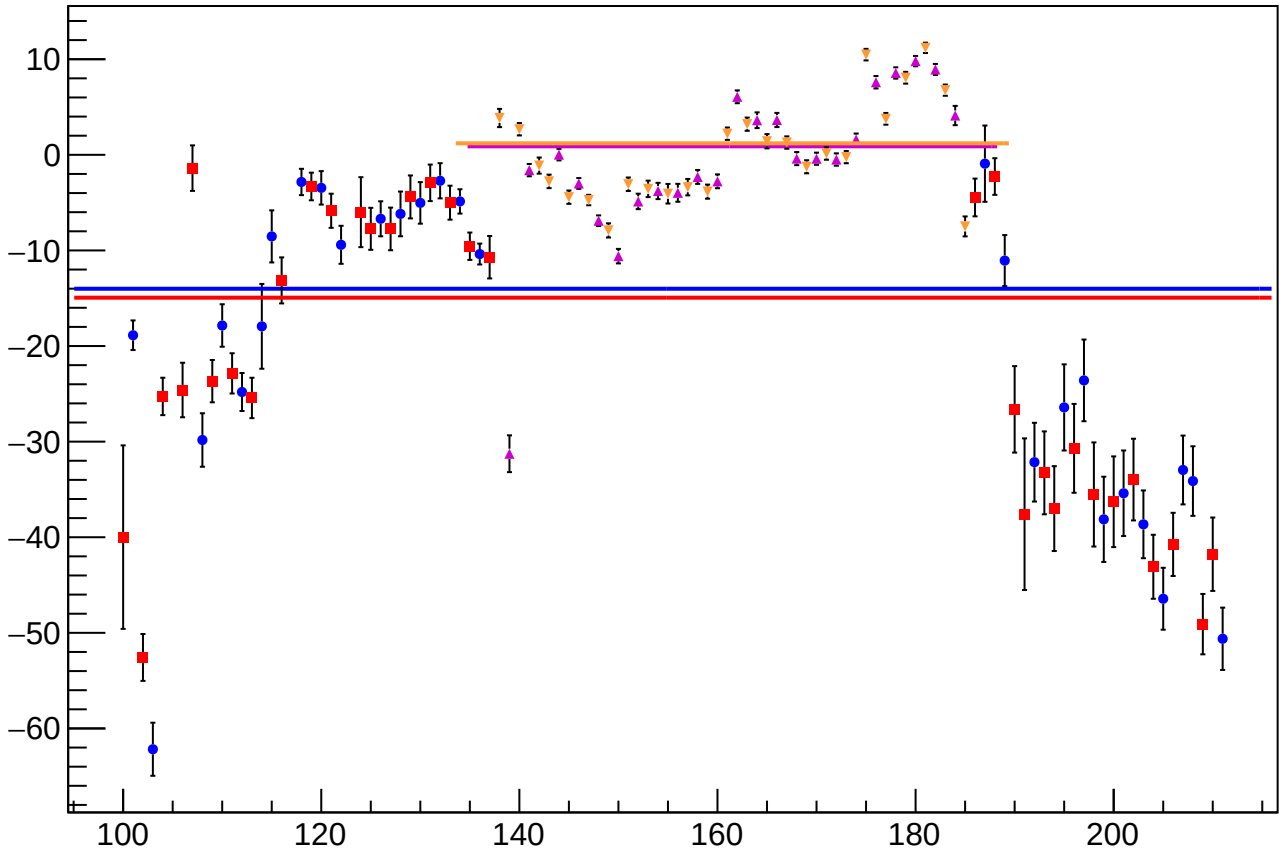
Right Out: -22.110+/-0.363 χ^2/NDF: 1202.5/32

Left In: -41.764+/-0.182 χ^2/NDF:3459.2/22

\+ sign -39.111+/-0.159 χ^2/NDF: 6856.2/52

All: -38.485+/-0.114 χ^2/NDF: 13891.3/108

\- sign -37.830+/-0.163 χ^2/NDF: 7003.3/55



Right In: -14.007+/-0.417 χ^2/NDF: 1061.2/27

Left Out: 1.203+/-0.138 χ^2/NDF:1463.6/24

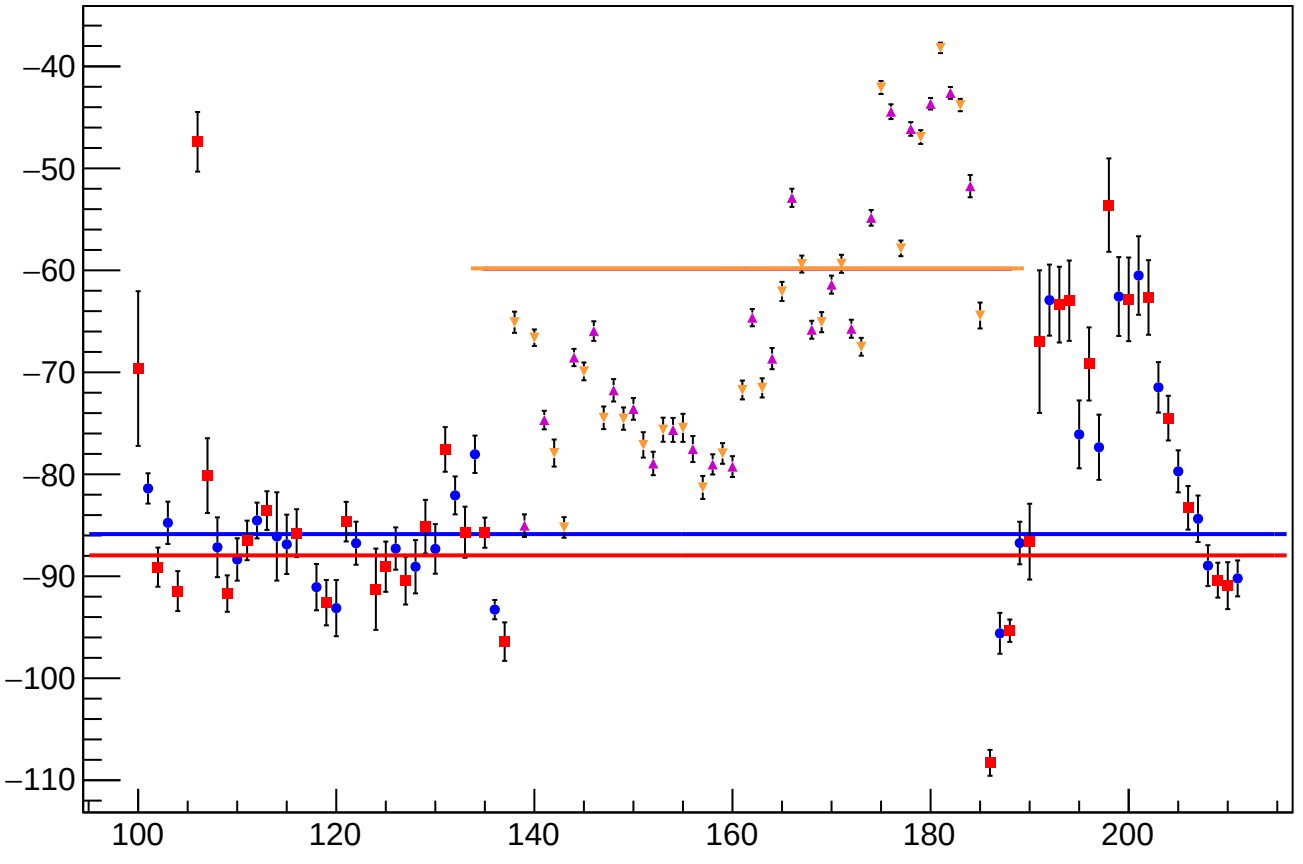
Right Out: -14.944+/-0.425 χ^2/NDF: 1090.2/32

Left In: 0.889+/-0.143 χ^2/NDF:1763.7/22

+ sign -0.302+/-0.131 χ^2/NDF: 3724.2/52

All: -0.505+/-0.094 χ^2/NDF: 7832.0/108

- sign -0.722+/-0.135 χ^2/NDF: 4102.9/55



Right In: -85.864+/-0.396 χ^2/NDF: 324.1/27

Left Out: -59.809+/-0.175 χ^2/NDF:6645.1/24

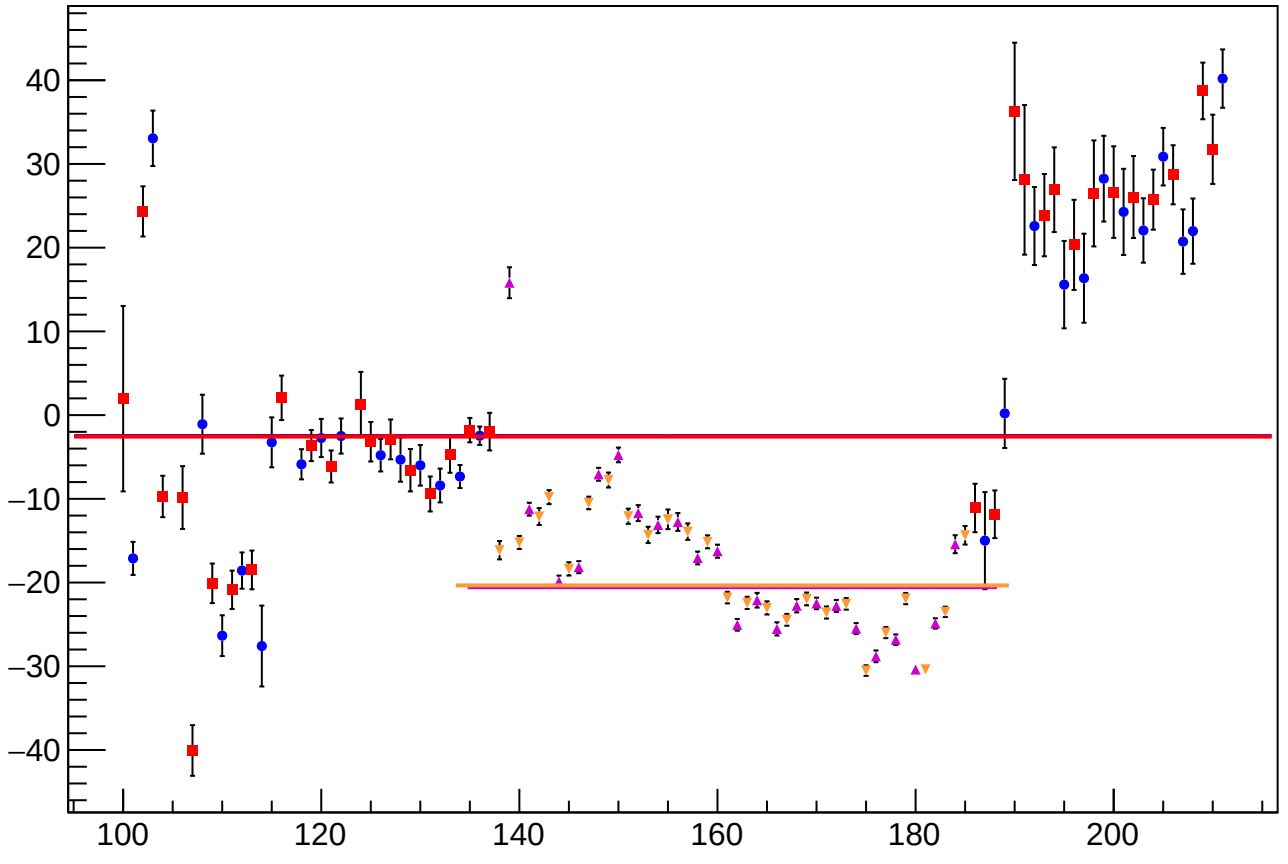
Right Out: -87.950+/-0.383 χ^2/NDF: 883.9/32

Left In: -59.846+/-0.181 χ^2/NDF:5534.1/22

+ sign -64.077+/-0.160 χ^2/NDF: 10588.0/52

All: -64.516+/-0.115 χ^2/NDF: 21416.5/108

- sign -64.973+/-0.164 χ^2/NDF: 10813.2/55



Right In: -2.503+/-0.470 χ^2/NDF: 859.5/27

Left Out: -20.339+/-0.155 χ^2/NDF:1701.1/24

Right Out: -2.562+/-0.488 χ^2/NDF: 1011.5/32

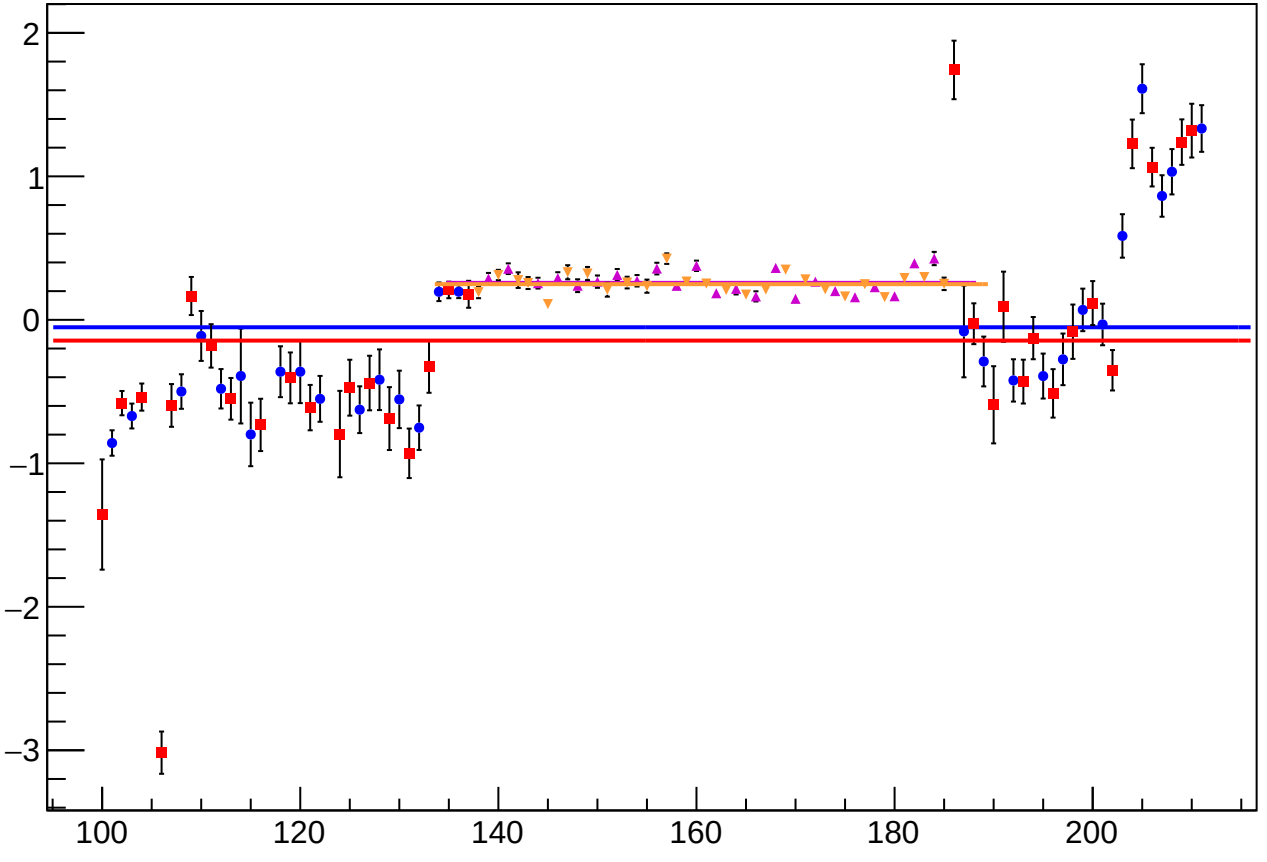
Left In: -20.555+/-0.160 χ^2/NDF:2193.8/22

\+ sign -18.598+/-0.147 χ^2/NDF: 3860.1/52

All: -18.704+/-0.106 χ^2/NDF: 8294.0/108

\- sign -18.818+/-0.152 χ^2/NDF: 4432.8/55

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs Slug



Right In: -0.052+/-0.023 χ^2/NDF: 559.4/27

Left Out: 0.249+/-0.007 χ^2/NDF:93.2/24

Right Out: -0.145+/-0.024 χ^2/NDF: 951.9/32

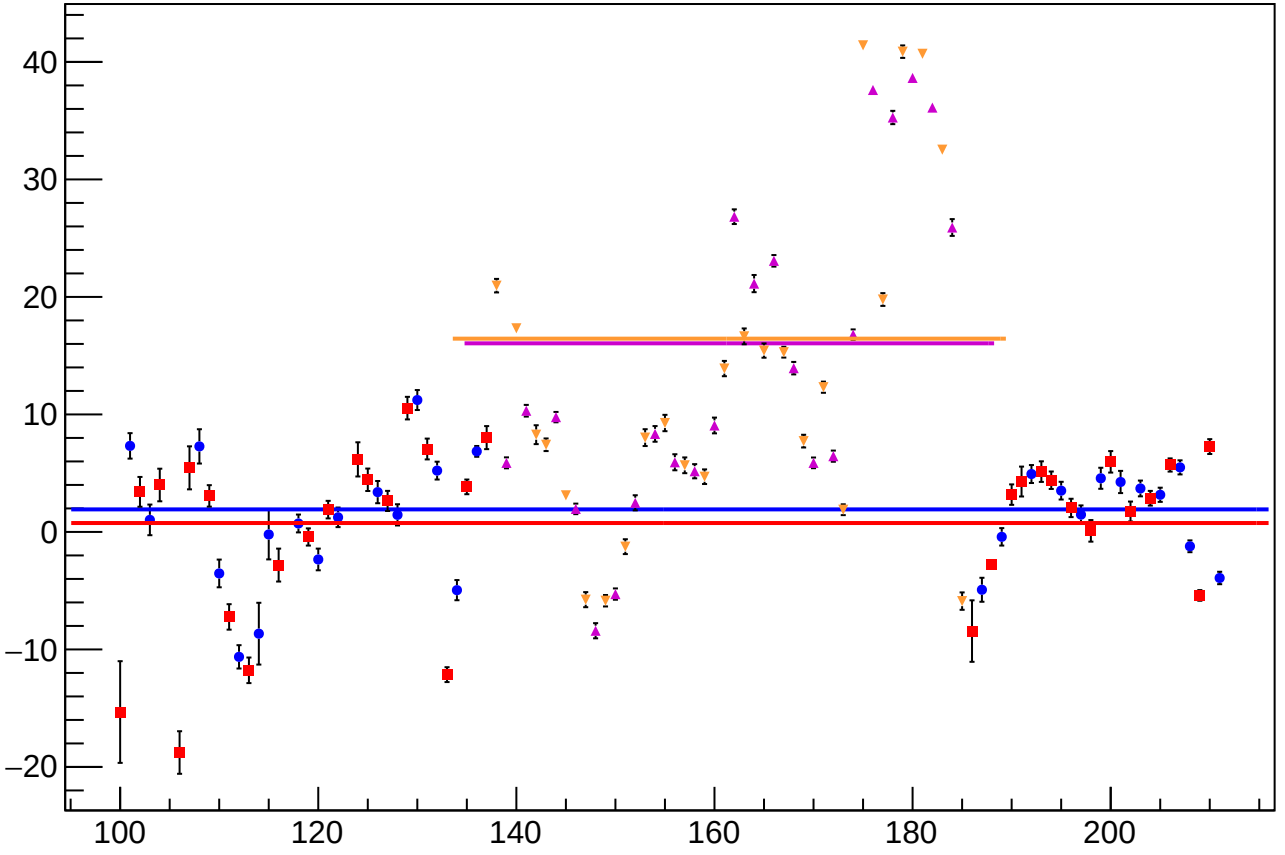
Left In: 0.258+/-0.007 χ^2/NDF:134.3/22

+ sign 0.224+/-0.007 χ^2/NDF: 806.1/52

All: 0.225+/-0.005 χ^2/NDF: 2141.7/108

- sign 0.226+/-0.007 χ^2/NDF: 1335.5/55

reg_asym_sam_26_48_dd_diff_bpm1X_slope vs Slug



Right In: 1.918+/-0.148 χ^2/NDF: 880.0/27

Left Out: 16.449+/-0.104 χ^2/NDF:21400.3/24

Right Out: 0.758+/-0.140 χ^2/NDF: 1614.6/32

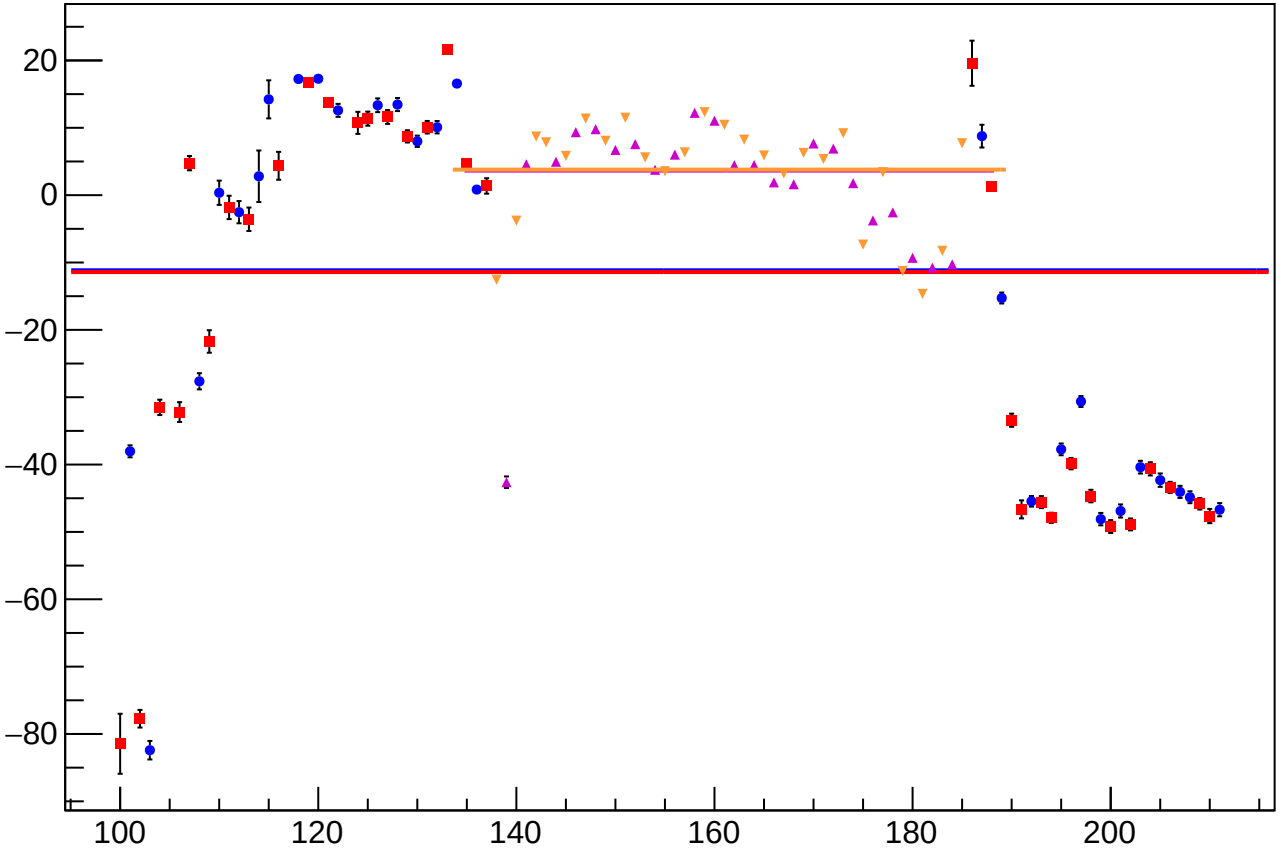
Left In: 16.051+/-0.107 χ^2/NDF:17625.1/22

+ sign 11.662+/-0.085 χ^2/NDF: 28710.6/52

All: 11.027+/-0.060 χ^2/NDF: 55584.6/108

- sign 10.394+/-0.085 χ^2/NDF: 26763.2/55

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs Slug



Right In: -11.154+/-0.165 χ^2/NDF: 27987.6/27

Left Out: 3.790+/-0.080 χ^2/NDF:9100.7/24

Right Out: -11.417+/-0.157 χ^2/NDF: 33164.7/32

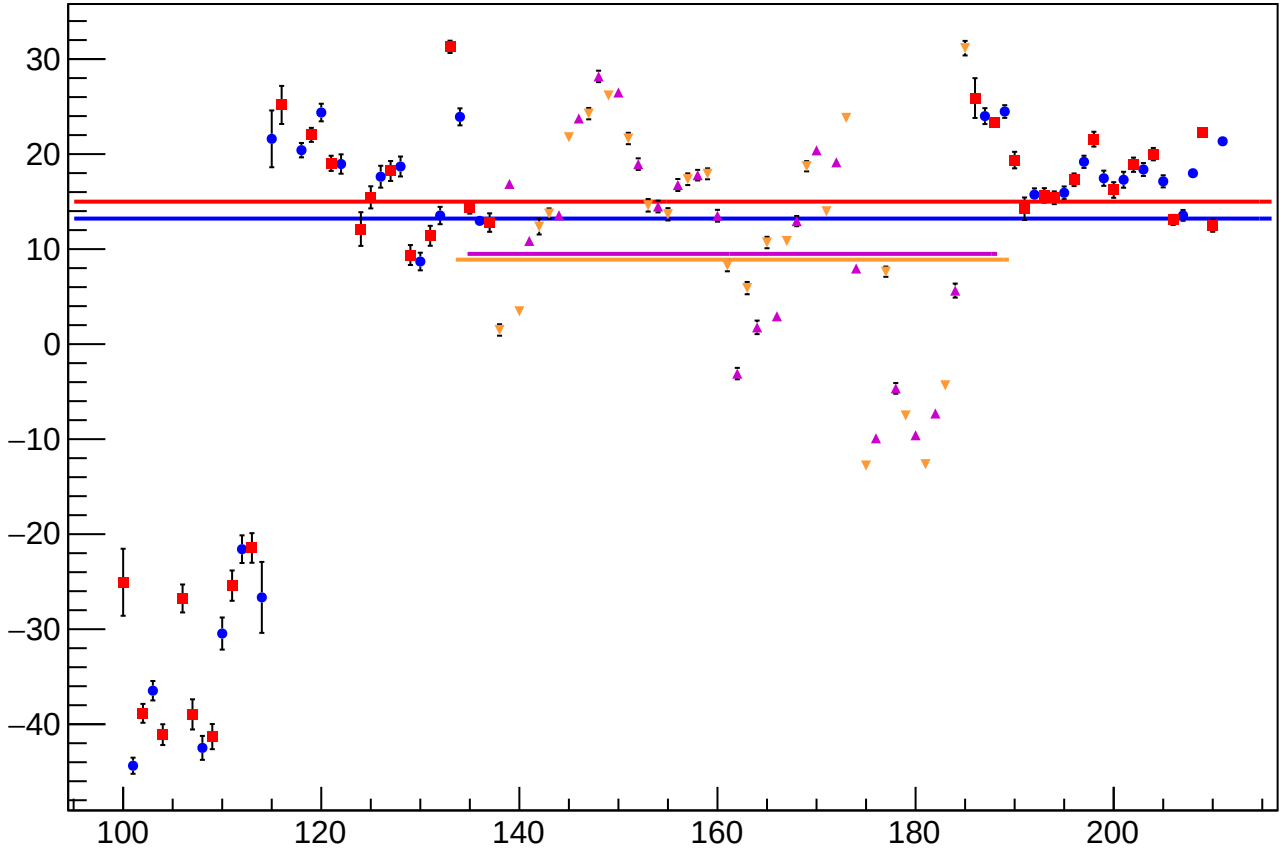
Left In: 3.649+/-0.083 χ^2/NDF:8310.7/22

+ sign 0.929+/-0.072 χ^2/NDF: 43755.0/52

All: 0.645+/-0.051 χ^2/NDF: 92483.1/108

- sign 0.350+/-0.073 χ^2/NDF: 48696.4/55

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs Slug



Right In: 13.214+/-0.146 χ^2/NDF: 11797.6/27

Left Out: 8.892+/-0.104 χ^2/NDF:15428.1/24

Right Out: 14.995+/-0.135 χ^2/NDF: 12748.8/32

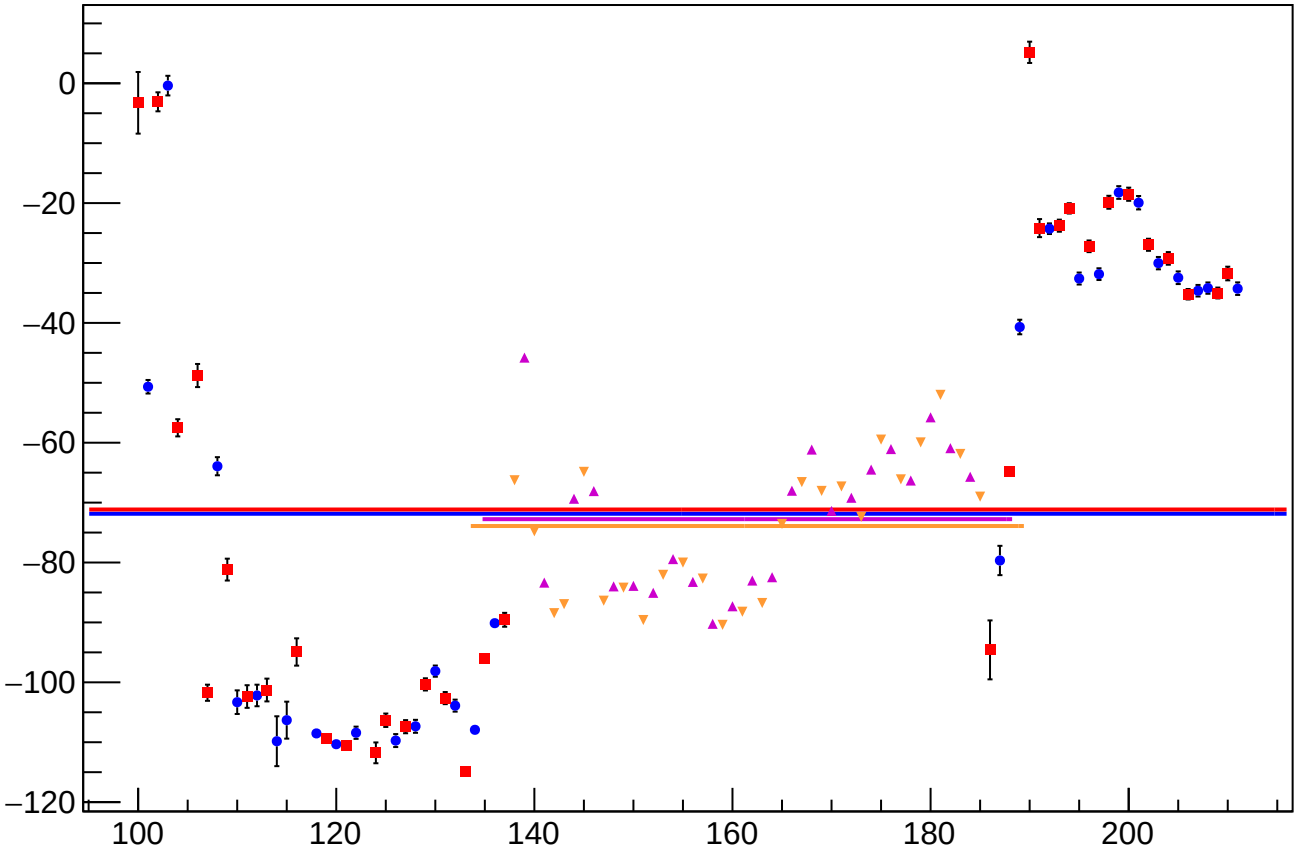
Left In: 9.500+/-0.107 χ^2/NDF:13040.9/22

\+ sign 10.336+/-0.085 χ^2/NDF: 27805.8/52

All: 10.976+/-0.060 χ^2/NDF: 54727.0/108

\- sign 11.602+/-0.084 χ^2/NDF: 26808.0/55

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs Slug



Right In: -71.859+/-0.189 χ^2/NDF: 37290.5/27

Left Out: -73.907+/-0.090 χ^2/NDF:15567.0/24

Right Out: -71.150+/-0.183 χ^2/NDF: 44920.3/32

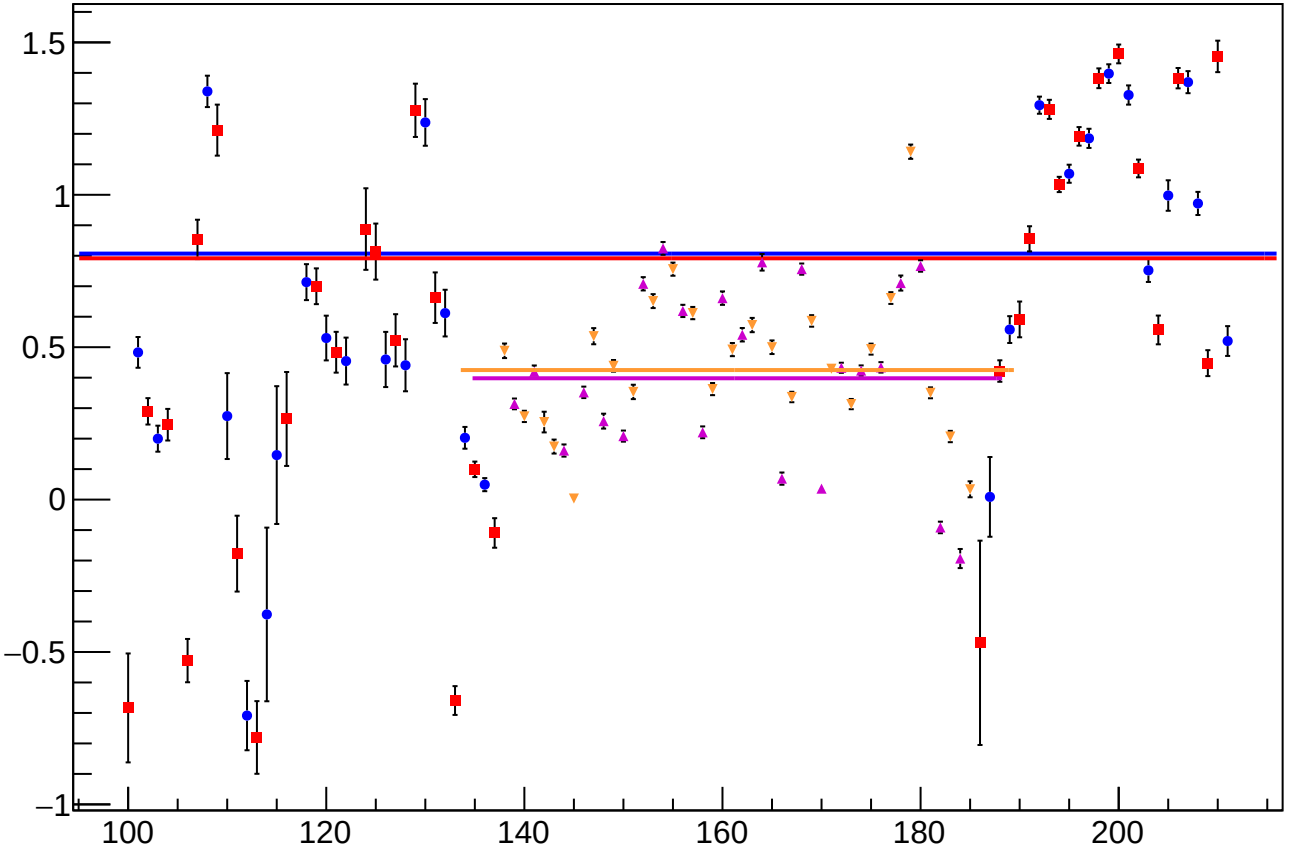
Left In: -72.763+/-0.093 χ^2/NDF:12612.6/22

+ sign -73.526+/-0.082 χ^2/NDF: 52952.7/52

All: -72.988+/-0.058 χ^2/NDF: 110635.7/108

- sign -72.430+/-0.083 χ^2/NDF: 57594.5/55

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.807+/-0.008 χ^2/NDF: 3752.7/27

Left Out: 0.425+/-0.004 χ^2/NDF:3035.4/24

Right Out: 0.792+/-0.008 χ^2/NDF: 5154.0/32

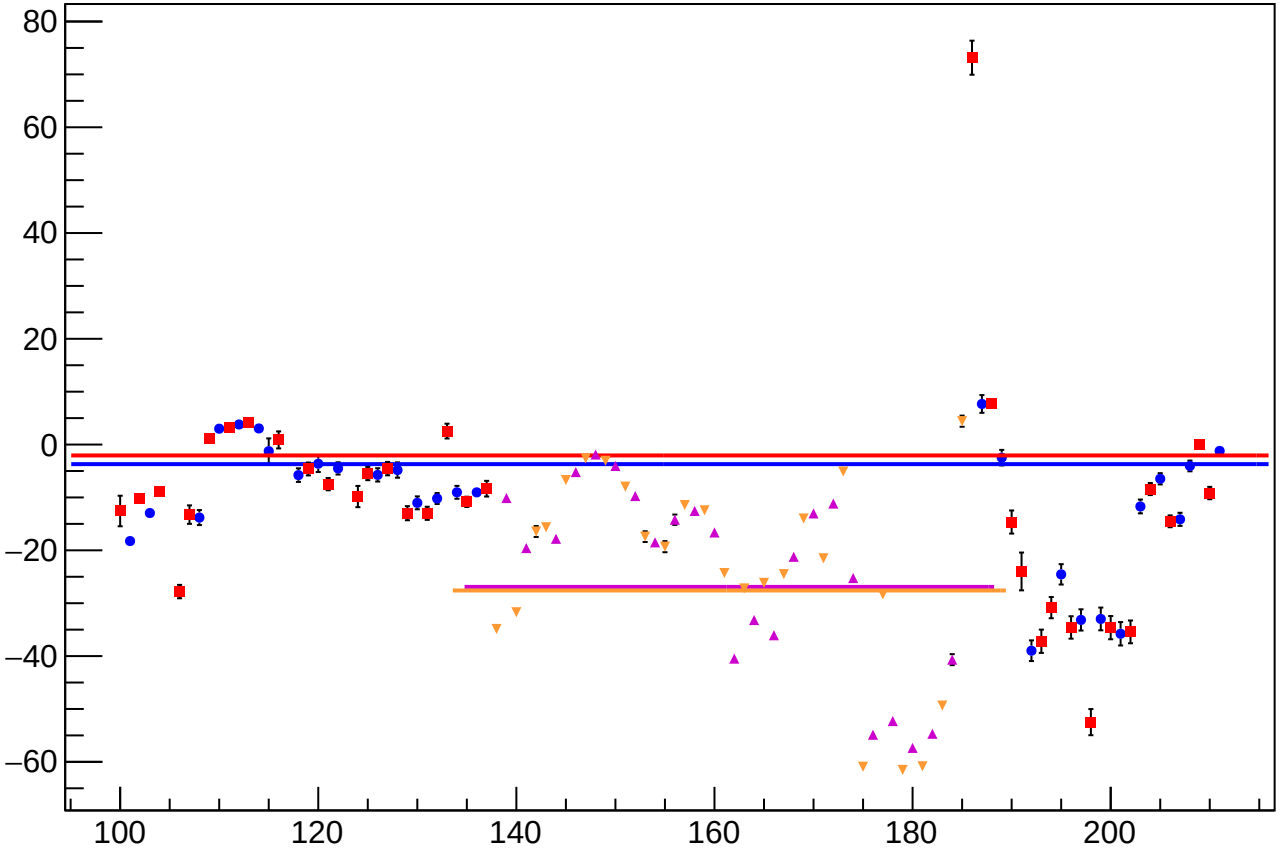
Left In: 0.398+/-0.004 χ^2/NDF:4271.0/22

+ sign 0.499+/-0.004 χ^2/NDF: 8515.7/52

All: 0.491+/-0.003 χ^2/NDF: 19905.1/108

- sign 0.482+/-0.004 χ^2/NDF: 11378.8/55

reg_asym_sam_1548_avg_diff_bpm1X_slope vs Slug



Right In: -3.702+/-0.173 χ^2/NDF: 2778.1/27

Left Out: -27.594+/-0.144 χ^2/NDF:19761.6/24

Right Out: -2.060+/-0.155 χ^2/NDF: 4063.7/32

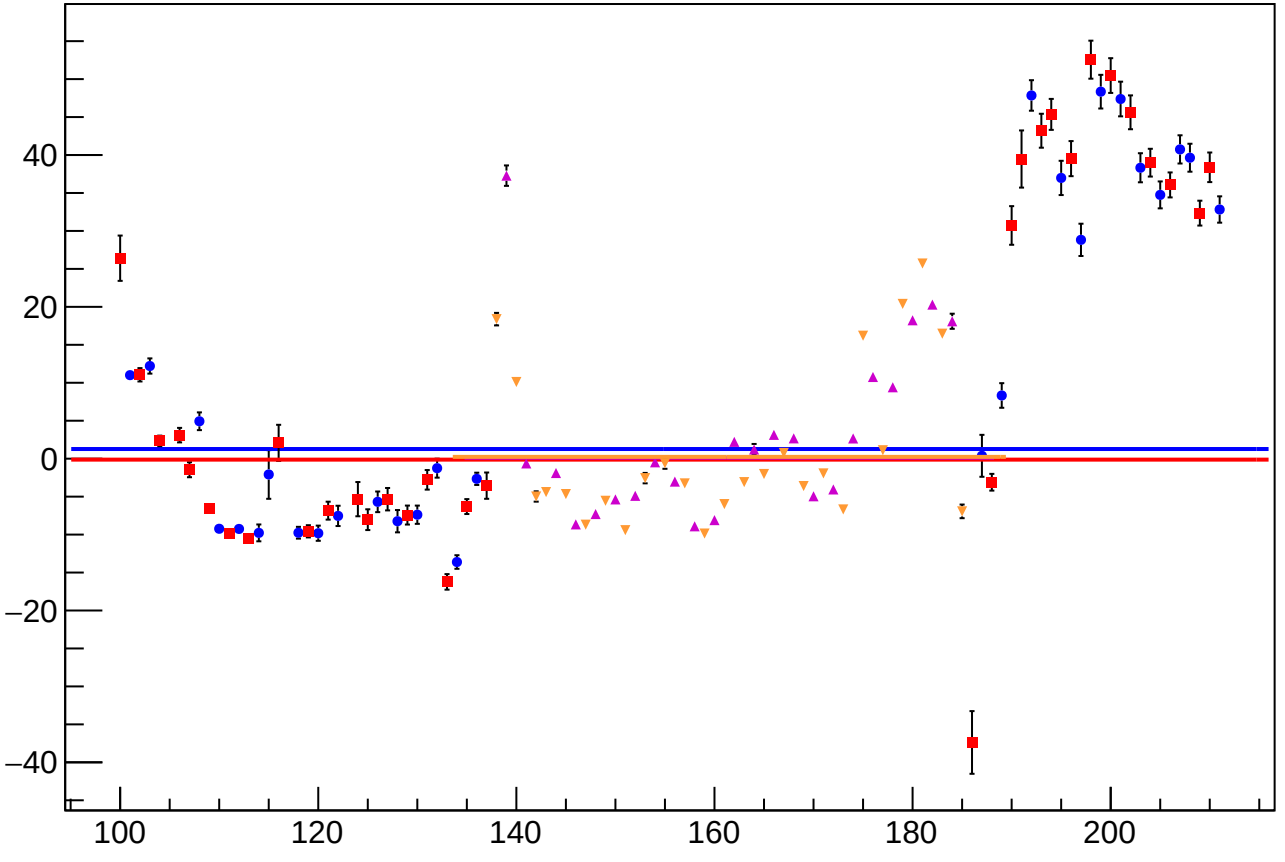
Left In: -26.918+/-0.149 χ^2/NDF:15536.6/22

+ sign -17.797+/-0.111 χ^2/NDF: 33779.4/52

All: -16.357+/-0.077 χ^2/NDF: 67015.5/108

- sign -14.999+/-0.108 χ^2/NDF: 32908.2/55

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs Slug



Right In: 1.272+/-0.210 χ^2/NDF: 5710.5/27

Left Out: 0.238+/-0.110 χ^2/NDF:8035.6/24

Right Out: -0.125+/-0.202 χ^2/NDF: 6093.5/32

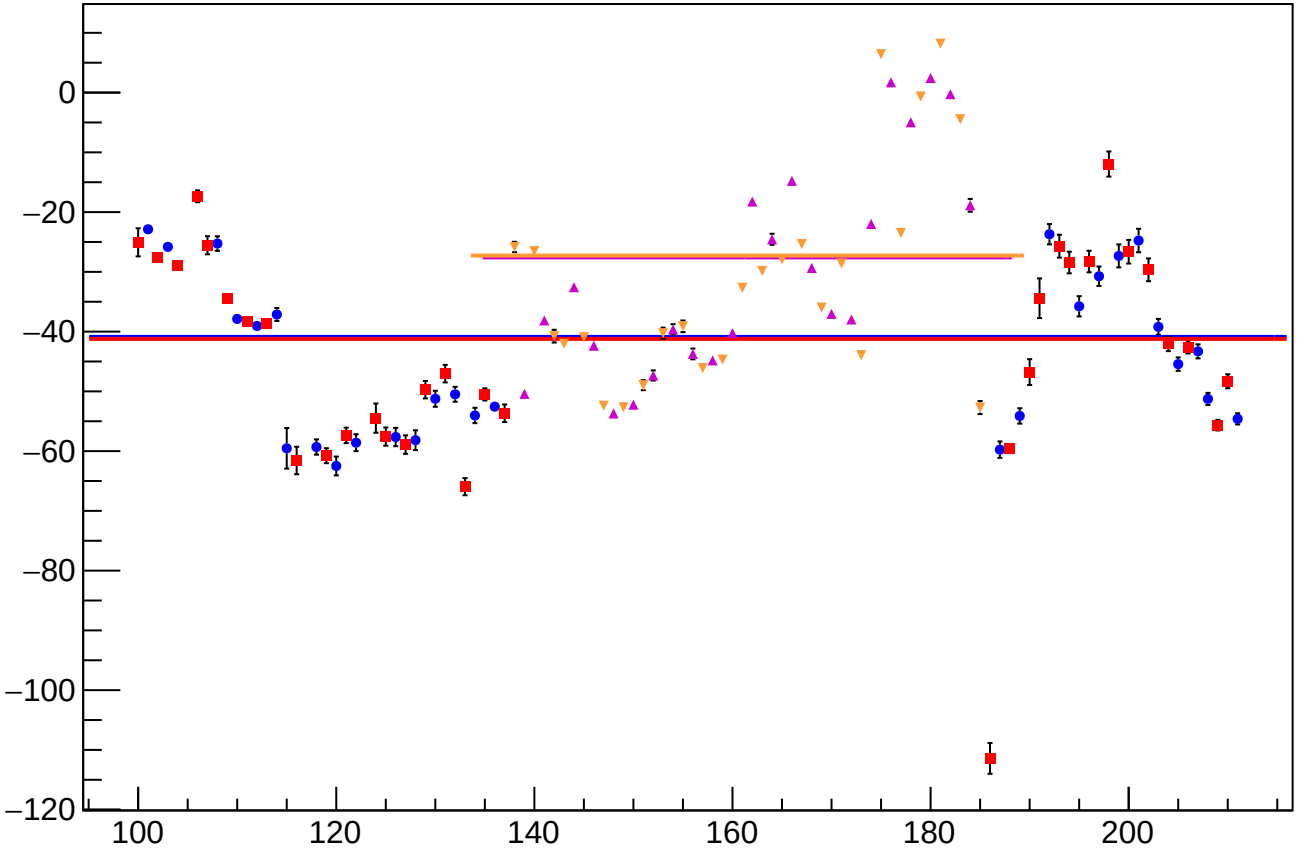
Left In: 0.131+/-0.114 χ^2/NDF:5837.4/22

+ sign 0.462+/-0.098 χ^2/NDF: 13765.2/52

All: 0.270+/-0.070 χ^2/NDF: 25705.3/108

- sign 0.069+/-0.100 χ^2/NDF: 11932.1/55

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs Slug



Right In: -40.885+/-0.194 χ^2/NDF: 3900.9/27

Left Out: -27.271+/-0.144 χ^2/NDF:18526.9/24

Right Out: -41.217+/-0.181 χ^2/NDF: 5297.1/32

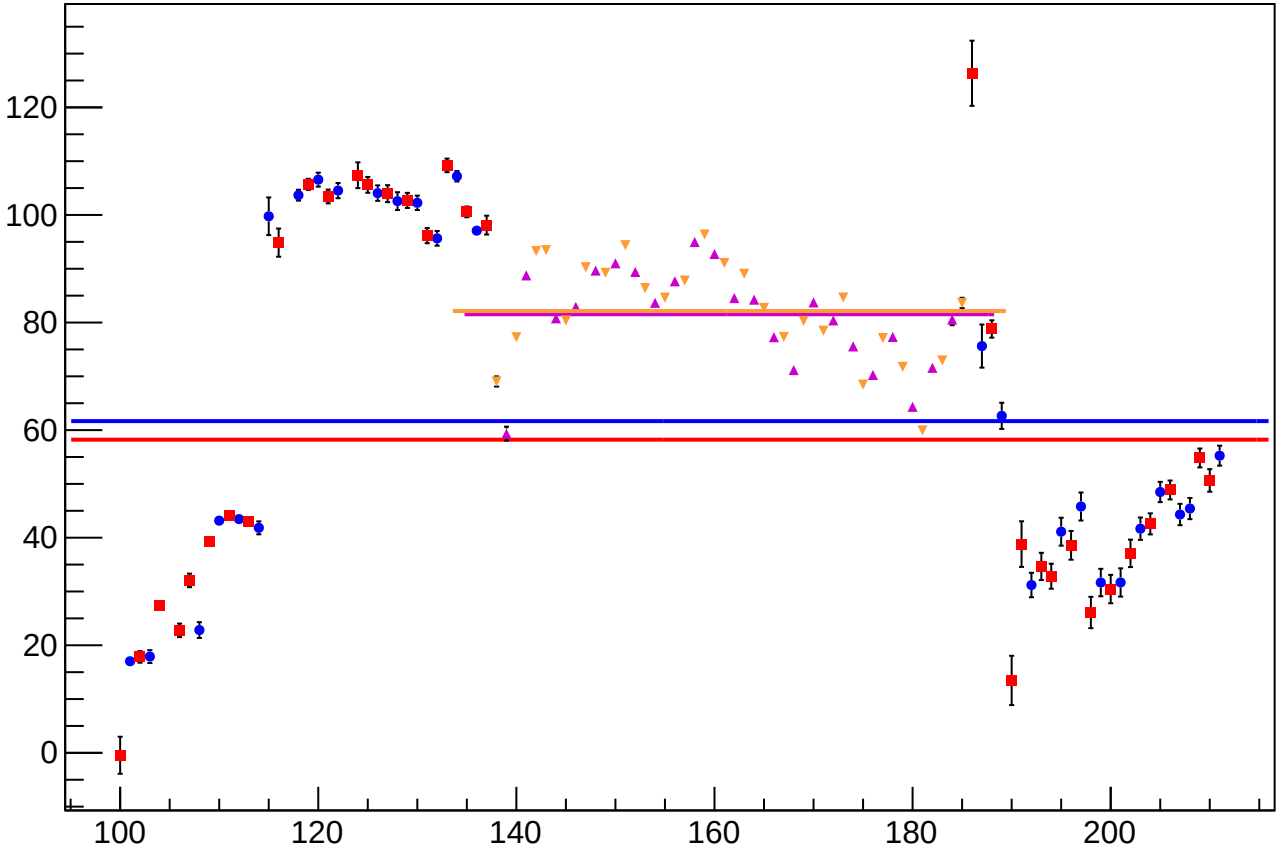
Left In: -27.583+/-0.148 χ^2/NDF:15648.7/22

\+ sign -32.104+/-0.116 χ^2/NDF: 25605.7/52

All: -32.575+/-0.081 χ^2/NDF: 49972.4/108

\- sign -33.040+/-0.115 χ^2/NDF: 24333.6/55

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs Slug



Right In: 61.675+/-0.240 χ^2/NDF: 19551.2/27

Left Out: 82.134+/-0.125 χ^2/NDF:5375.9/24

Right Out: 58.226+/-0.231 χ^2/NDF: 18546.6/32

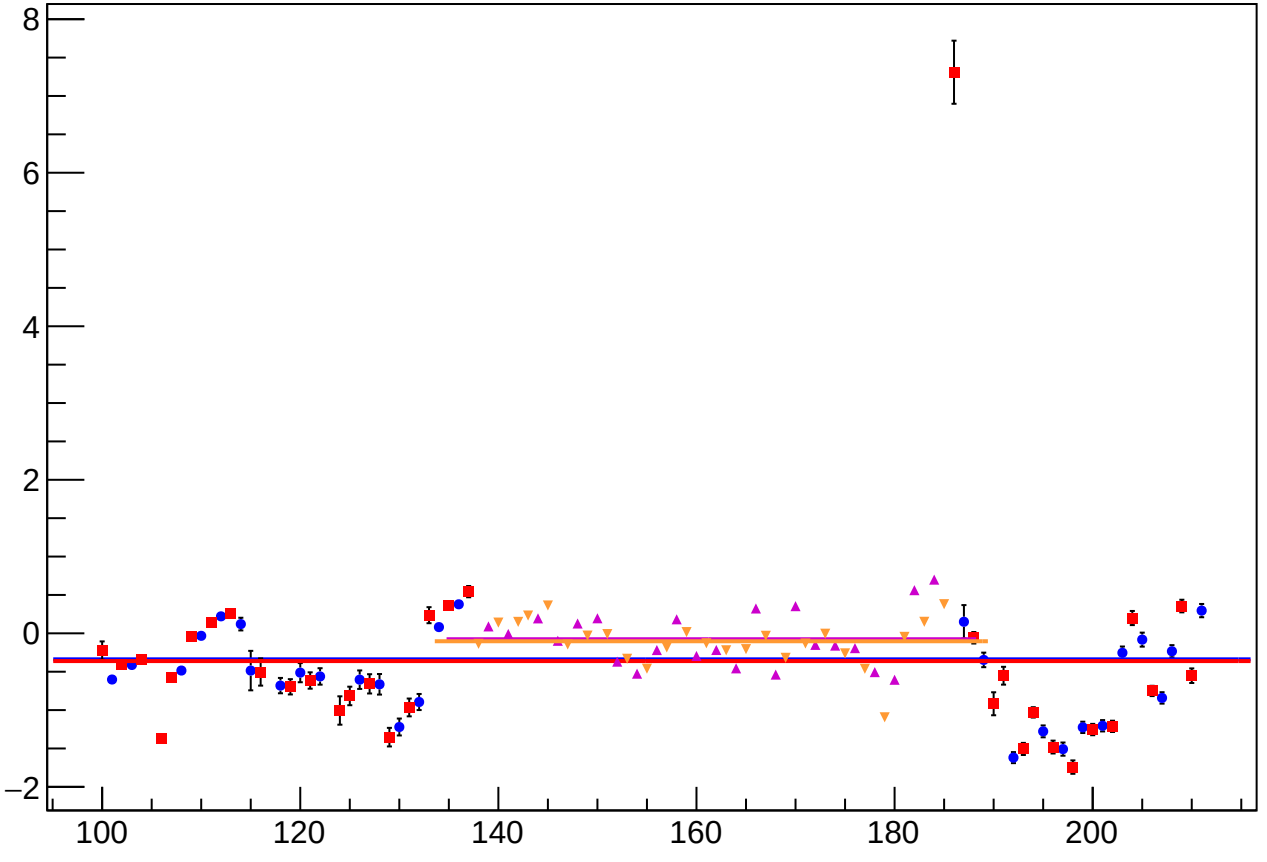
Left In: 81.539+/-0.129 χ^2/NDF:4043.0/22

+ sign 77.771+/-0.111 χ^2/NDF: 30662.0/52

All: 76.905+/-0.079 χ^2/NDF: 61131.4/108

- sign 76.007+/-0.113 χ^2/NDF: 30344.6/55

reg_asym_sam_1548_avg_diff_bpm12X_slope vs Slug



Right In: -0.339+/-0.012 χ^2/NDF: 2084.3/27

Left Out: -0.103+/-0.006 χ^2/NDF:2408.2/24

Right Out: -0.361+/-0.011 χ^2/NDF: 3043.5/32

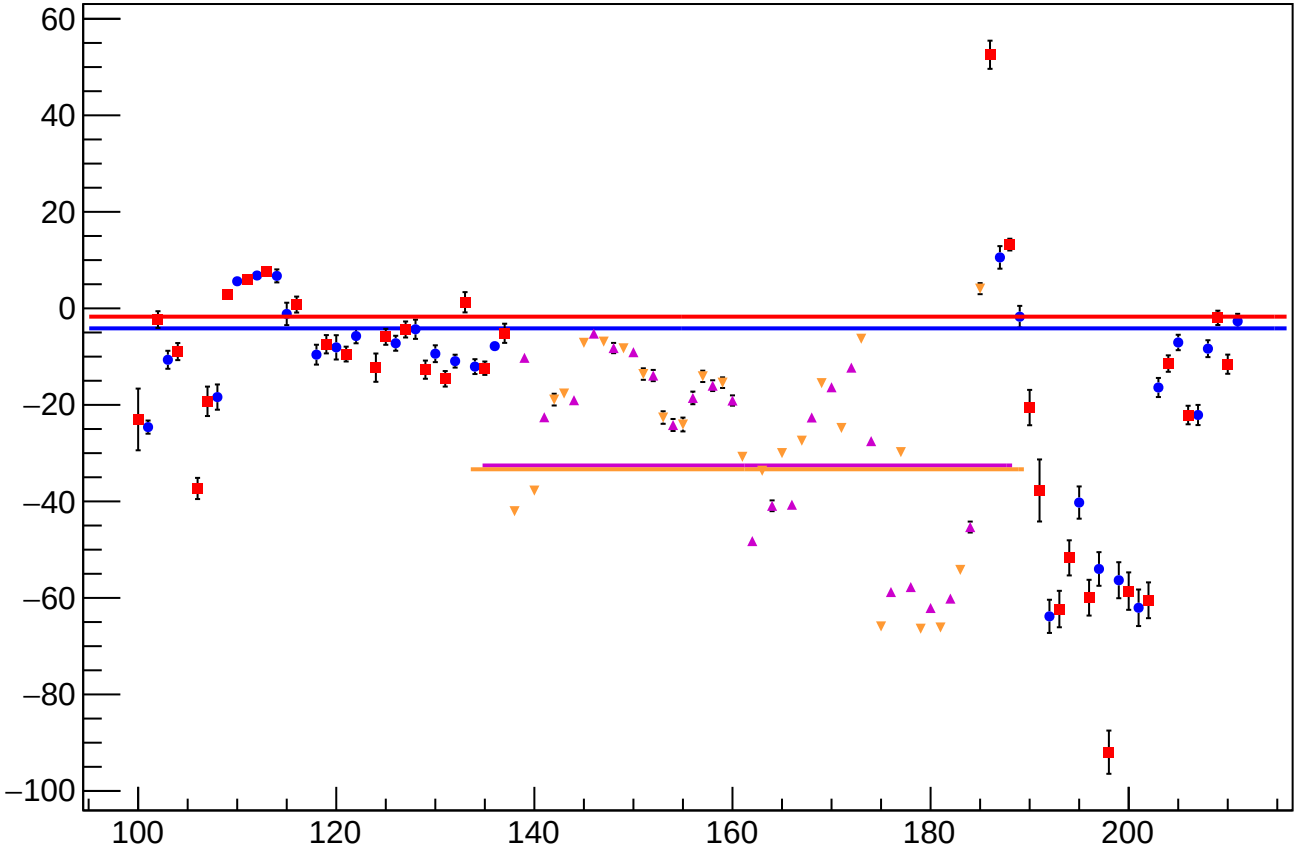
Left In: -0.077+/-0.006 χ^2/NDF:3320.8/22

+ sign -0.147+/-0.005 χ^2/NDF: 4821.3/52

All: -0.141+/-0.004 χ^2/NDF: 11695.6/108

- sign -0.136+/-0.005 χ^2/NDF: 6871.7/55

reg_asym_sam_3748_avg_diff_bpm1X_slope vs Slug



Right In: -4.143+/-0.278 χ^2/NDF: 2180.6/27

Left Out: -33.346+/-0.165 χ^2/NDF:17989.6/24

Right Out: -1.717+/-0.256 χ^2/NDF: 3258.6/32

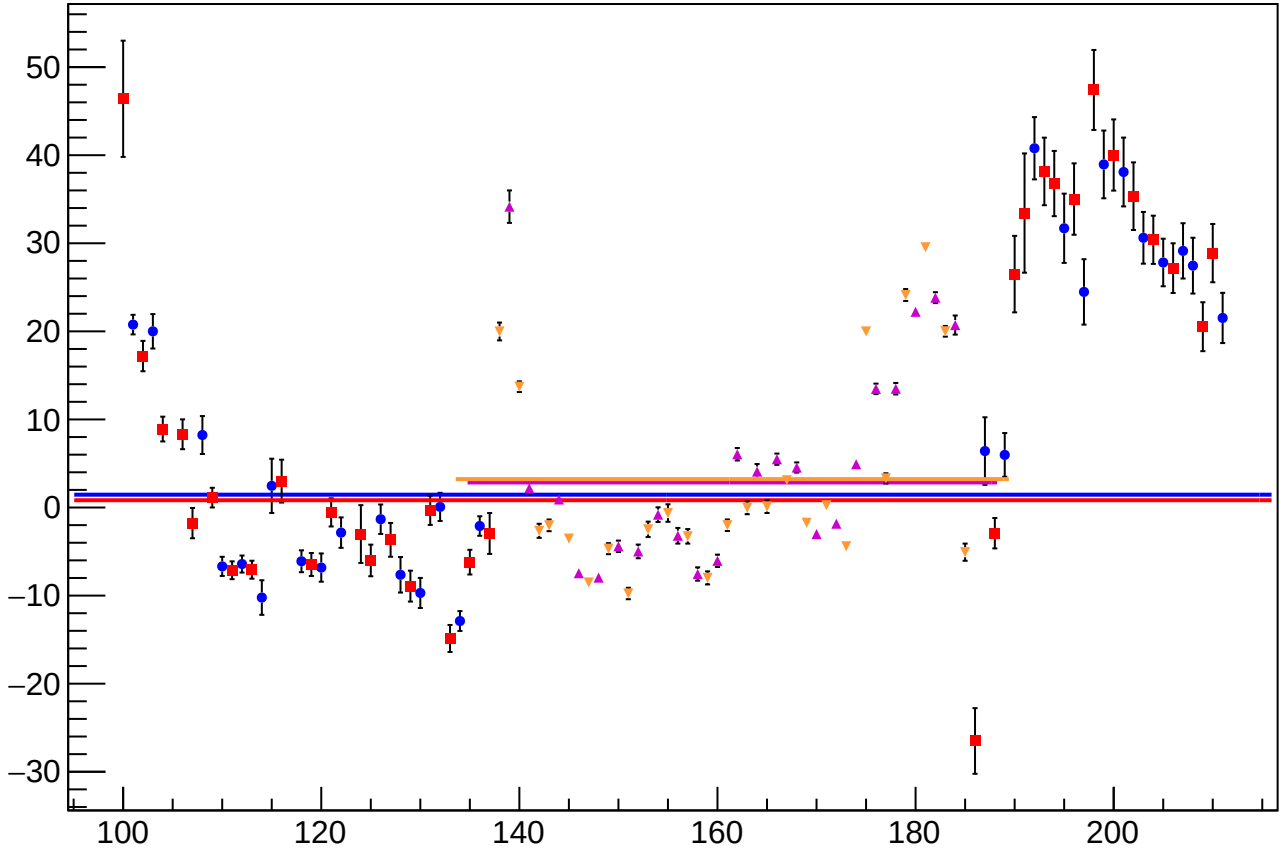
Left In: -32.559+/-0.169 χ^2/NDF:13896.0/22

\+ sign -25.765+/-0.142 χ^2/NDF: 28341.0/52

All: -24.474+/-0.100 χ^2/NDF: 55729.6/108

\- sign -23.188+/-0.141 χ^2/NDF: 27222.8/55

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs Slug



Right In: 1.457+/-0.333 χ^2/NDF: 1666.9/27

Left Out: 3.224+/-0.128 χ^2/NDF:7675.6/24

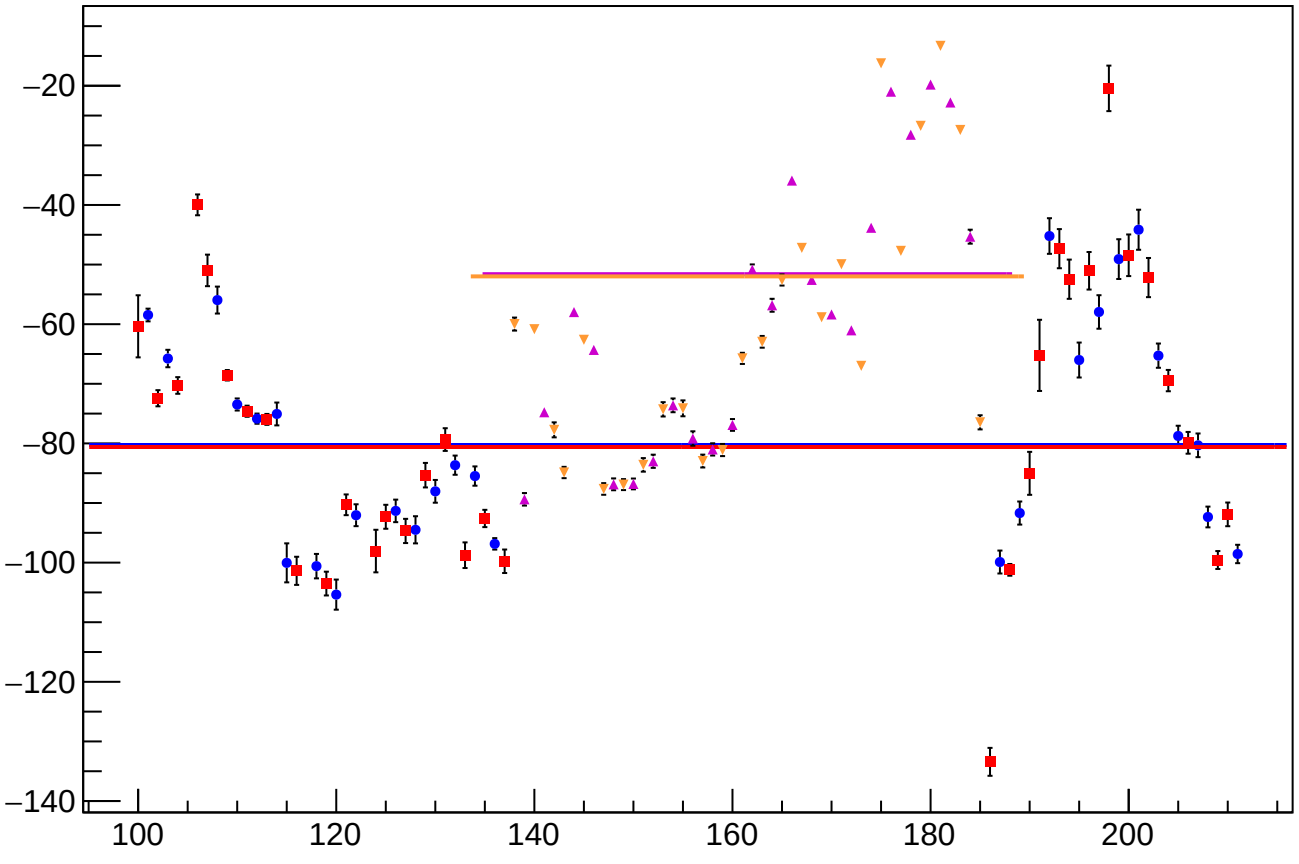
Right Out: 0.828+/-0.329 χ^2/NDF: 1515.8/32

Left In: 2.845+/-0.131 χ^2/NDF:5455.5/22

+ sign 2.996+/-0.120 χ^2/NDF: 9367.1/52

All: 2.786+/-0.085 χ^2/NDF: 16377.2/108

- sign 2.568+/-0.122 χ^2/NDF: 7003.8/55



Right In: -80.269+/-0.313 χ^2/NDF: 2197.5/27

Left Out: -51.982+/-0.165 χ^2/NDF:20887.7/24

Right Out: -80.603+/-0.299 χ^2/NDF: 3471.4/32

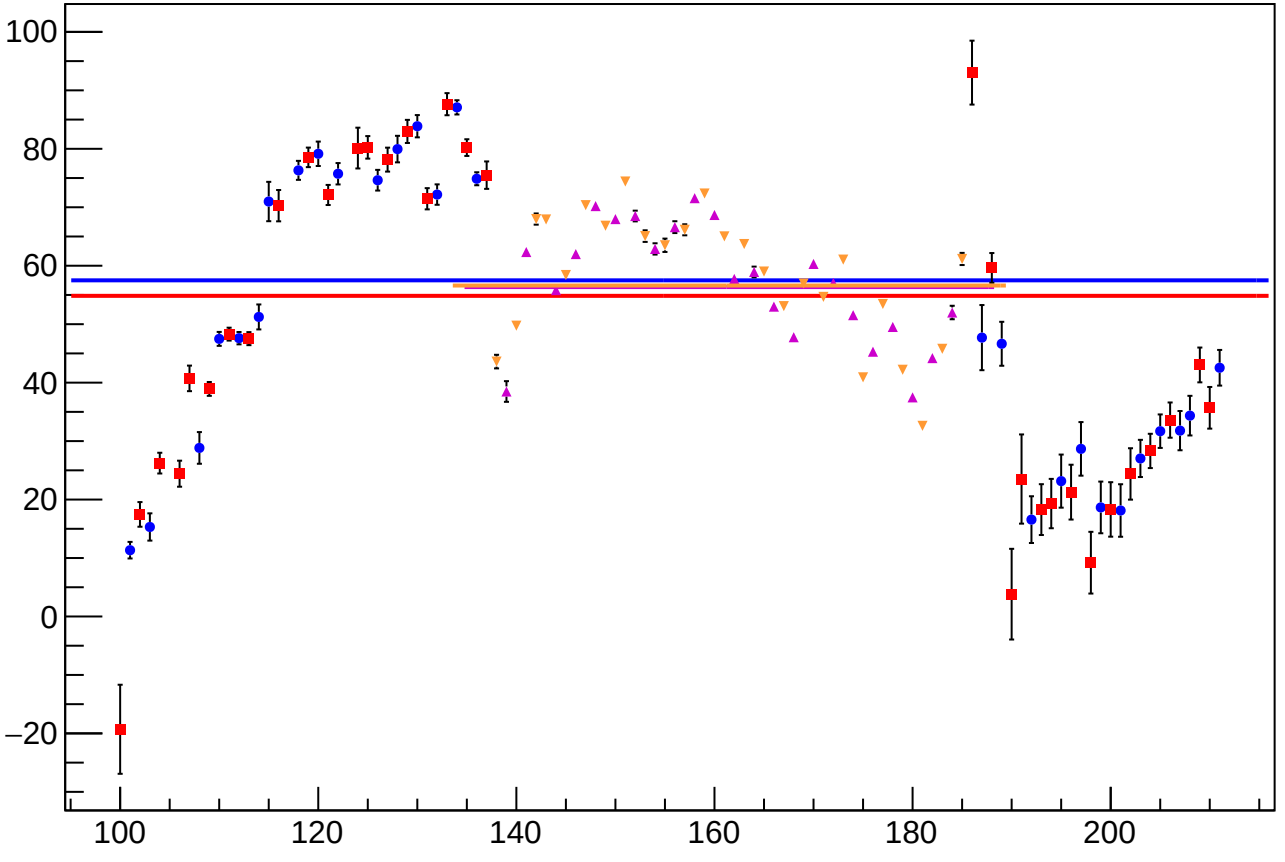
Left In: -51.612+/-0.169 χ^2/NDF:17624.2/22

+ sign -58.112+/-0.146 χ^2/NDF: 29468.5/52

All: -58.366+/-0.104 χ^2/NDF: 57682.2/108

- sign -58.624+/-0.147 χ^2/NDF: 28207.6/55

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs Slug



Right In: 57.500+/-0.375 χ^2/NDF: 3981.0/27

Left Out: 56.612+/-0.144 χ^2/NDF:5666.2/24

Right Out: 54.848+/-0.373 χ^2/NDF: 3493.3/32

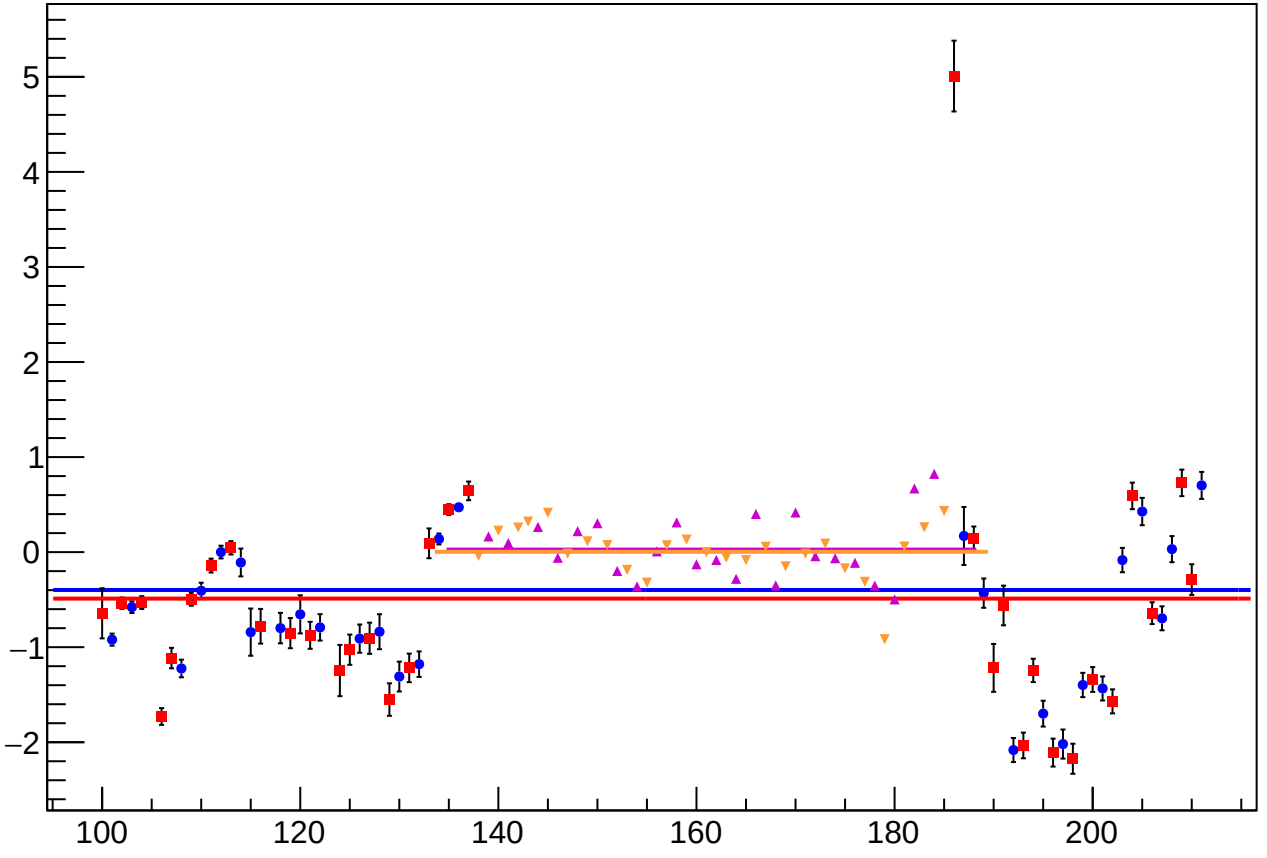
Left In: 56.348+/-0.147 χ^2/NDF:3968.7/22

+ sign 56.726+/-0.134 χ^2/NDF: 9652.0/52

All: 56.442+/-0.096 χ^2/NDF: 17137.1/108

- sign 56.145+/-0.137 χ^2/NDF: 7475.9/55

reg_asym_sam_3748_avg_diff_bpm12X_slope vs Slug



Right In: -0.398+/-0.019 χ^2/NDF: 1384.1/27

Left Out: 0.004+/-0.006 χ^2/NDF:1701.0/24

Right Out: -0.489+/-0.019 χ^2/NDF: 1752.2/32

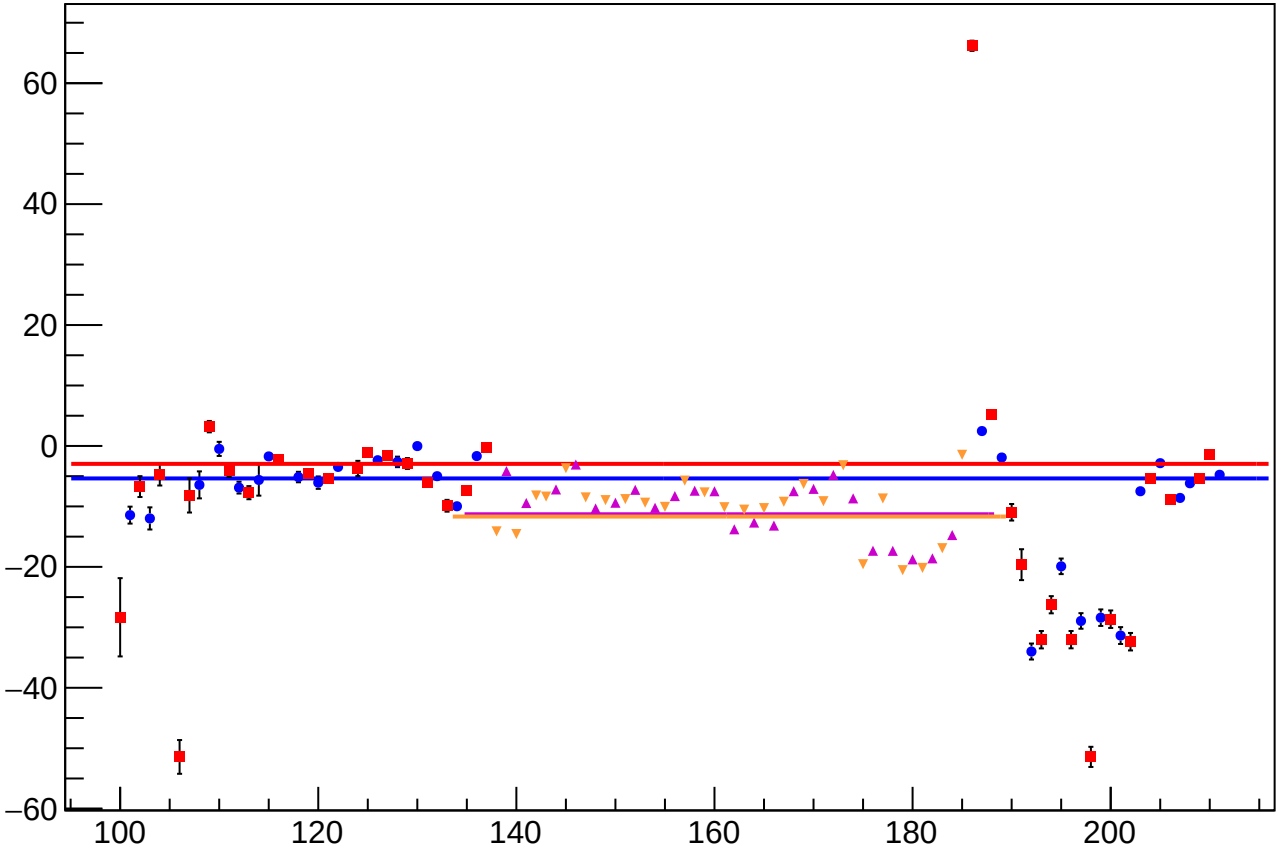
Left In: 0.026+/-0.007 χ^2/NDF:2349.0/22

+ sign -0.038+/-0.006 χ^2/NDF: 3482.9/52

All: -0.033+/-0.004 χ^2/NDF: 8235.6/108

- sign -0.029+/-0.006 χ^2/NDF: 4751.6/55

reg_asym_sam_1526_avg_diff_bpm1X_slope vs Slug



Right In: -5.372+/-0.148 χ^2/NDF: 2042.1/27

Left Out: -11.680+/-0.053 χ^2/NDF:12602.3/24

Right Out: -2.963+/-0.149 χ^2/NDF: 10520.6/32

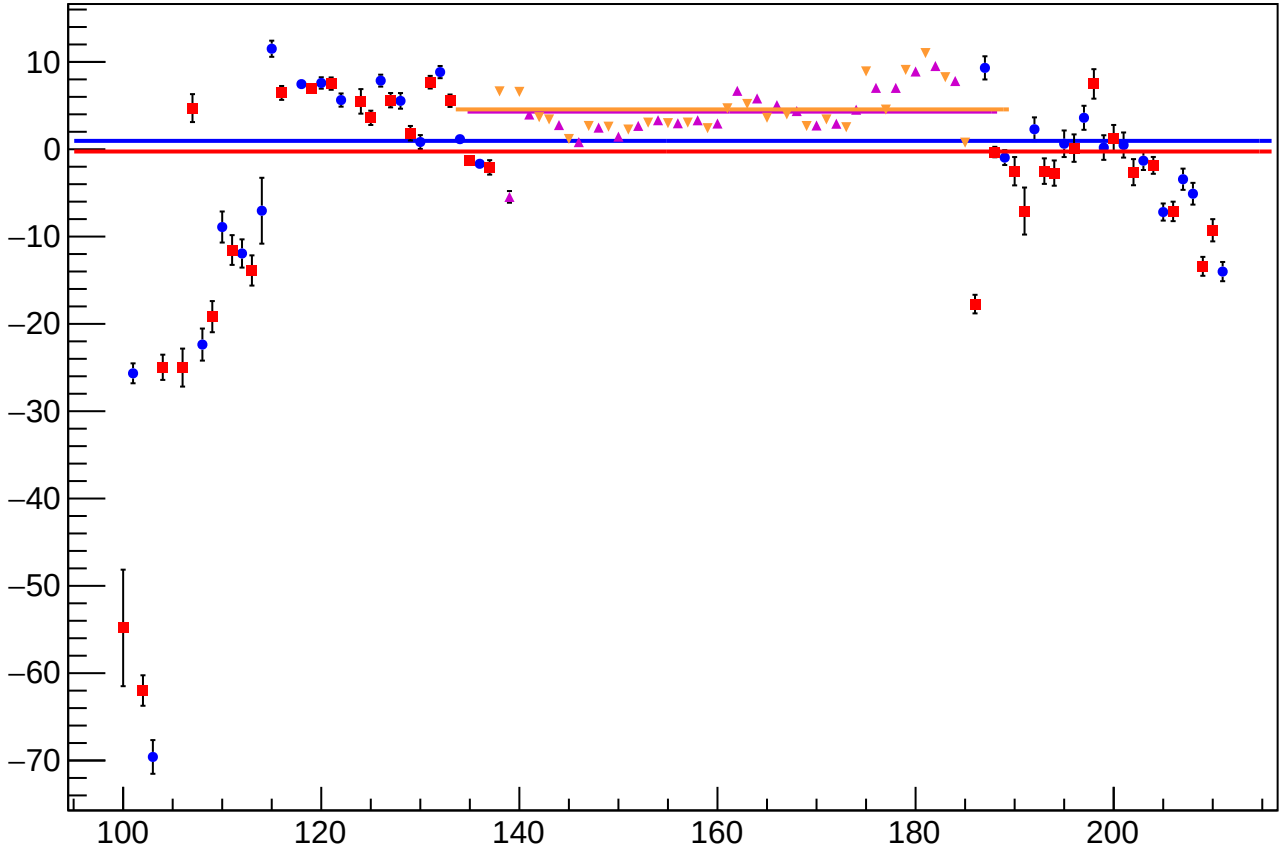
Left In: -11.301+/-0.054 χ^2/NDF:9229.2/22

+ sign -10.973+/-0.050 χ^2/NDF: 16251.8/52

All: -10.664+/-0.035 χ^2/NDF: 38833.9/108

- sign -10.340+/-0.051 χ^2/NDF: 22502.2/55

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs Slug



Right In: 0.960+/-0.166 χ^2/NDF: 3207.8/27

Left Out: 4.564+/-0.041 χ^2/NDF:4356.3/24

Right Out: -0.259+/-0.174 χ^2/NDF: 3179.2/32

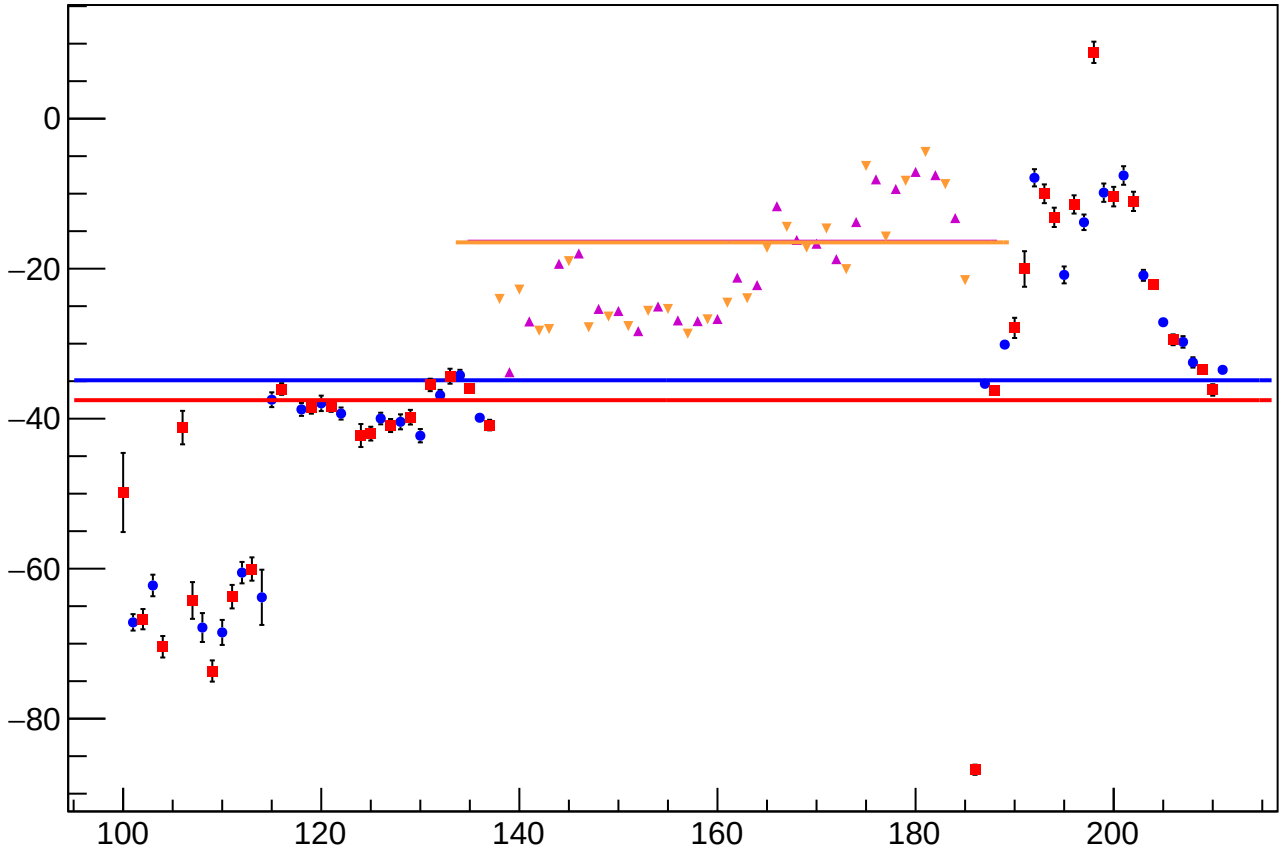
Left In: 4.308+/-0.042 χ^2/NDF:3609.0/22

+ sign 4.352+/-0.040 χ^2/NDF: 8010.3/52

All: 4.206+/-0.029 χ^2/NDF: 15479.0/108

- sign 4.054+/-0.041 χ^2/NDF: 7441.8/55

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs Slug



Right In: -34.881+/-0.153 χ^2/NDF: 5389.5/27

Left Out: -16.492+/-0.053 χ^2/NDF:21982.6/24

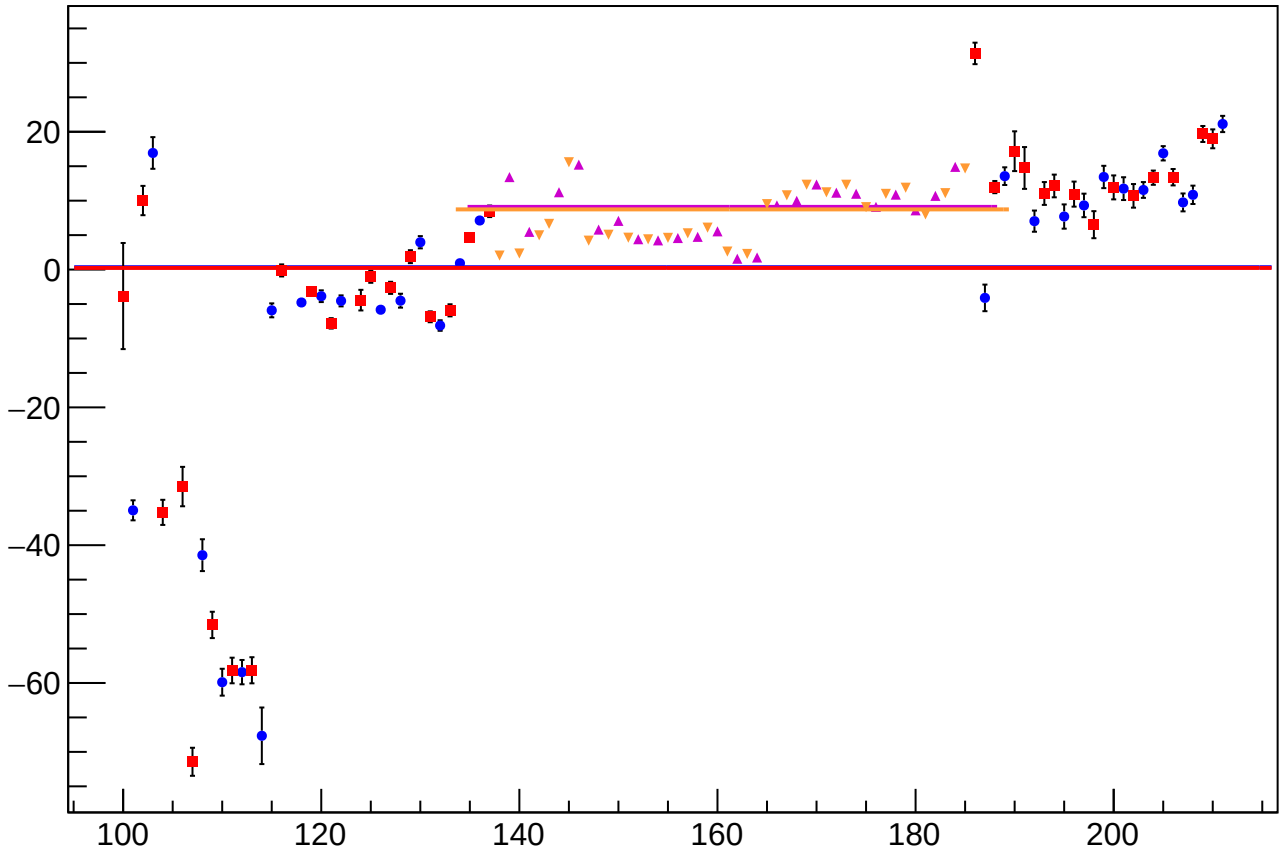
Right Out: -37.534+/-0.152 χ^2/NDF: 11813.4/32

Left In: -16.403+/-0.054 χ^2/NDF:18032.3/22

+ sign -18.445+/-0.050 χ^2/NDF: 40258.9/52

All: -18.601+/-0.036 χ^2/NDF: 87281.7/108

- sign -18.763+/-0.051 χ^2/NDF: 47002.8/55



Right In: 0.340+/-0.186 χ^2/NDF: 5032.3/27

Left Out: 8.735+/-0.046 χ^2/NDF:6875.5/24

Right Out: 0.242+/-0.198 χ^2/NDF: 6494.8/32

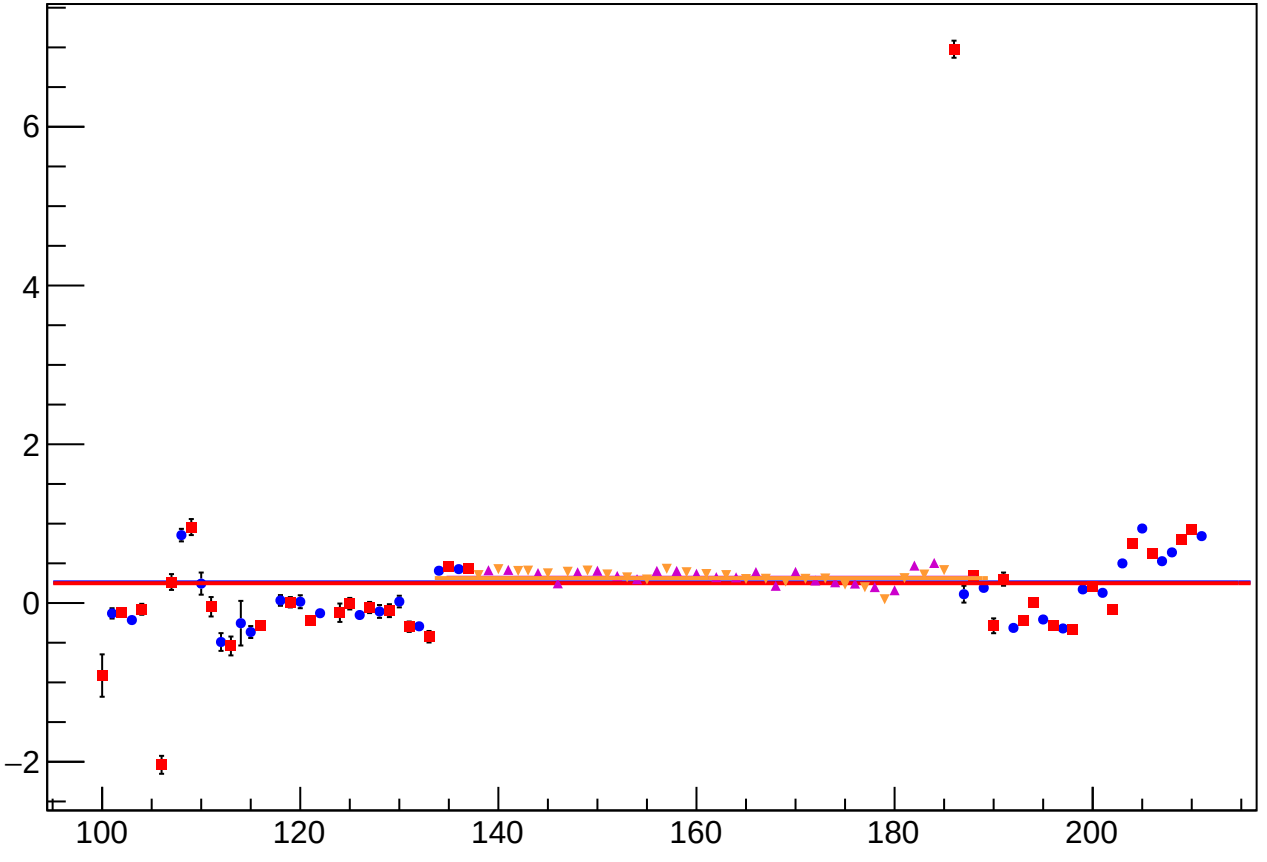
Left In: 9.096+/-0.047 χ^2/NDF:5739.5/22

+ sign 8.245+/-0.045 χ^2/NDF: 13833.5/52

All: 8.430+/-0.032 χ^2/NDF: 27988.5/108

- sign 8.624+/-0.046 χ^2/NDF: 14120.0/55

reg_asym_sam_1526_avg_diff_bpm12X_slope vs Slug



Right In: 0.260+/-0.009 χ^2/NDF: 1342.1/27

Left Out: 0.314+/-0.002 χ^2/NDF:1602.1/24

Right Out: 0.250+/-0.010 χ^2/NDF: 5762.8/32

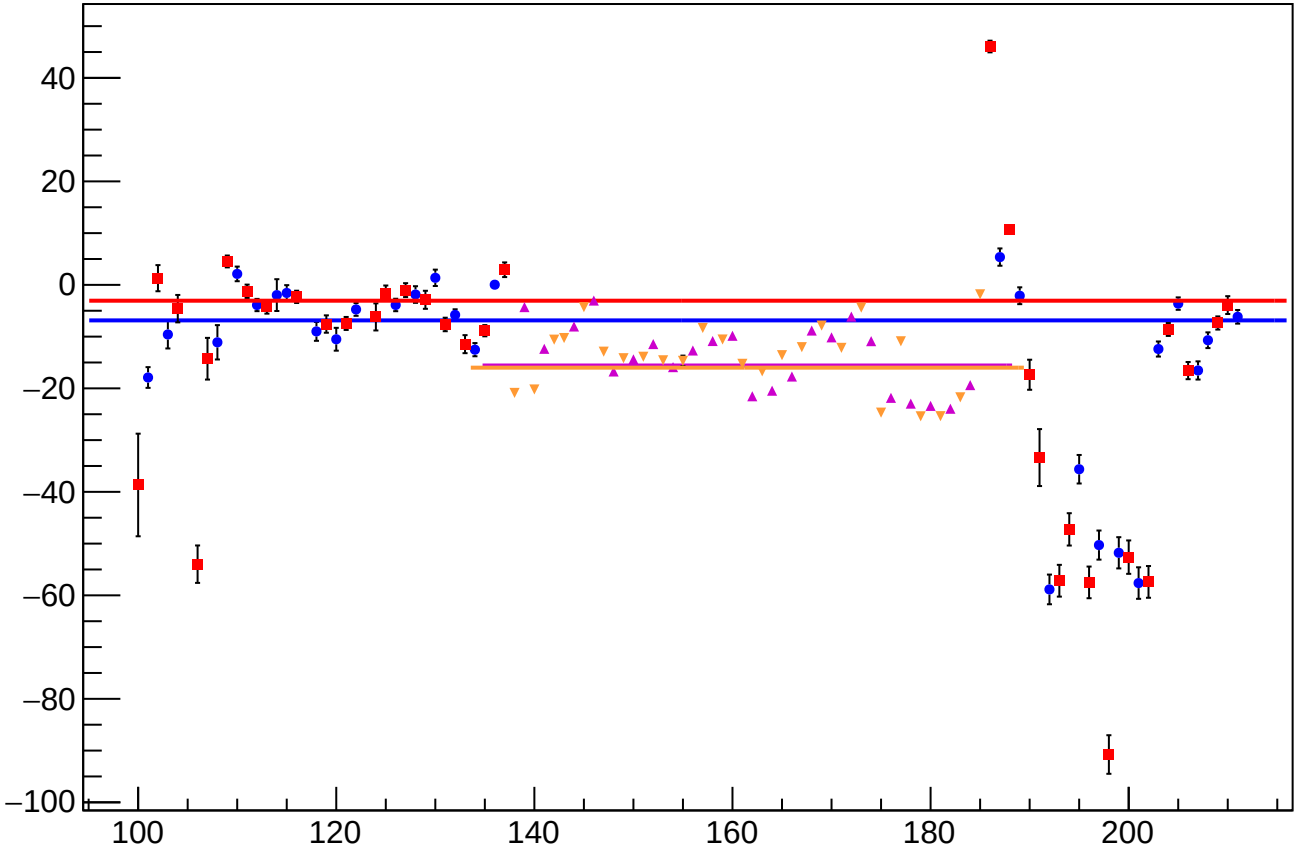
Left In: 0.319+/-0.002 χ^2/NDF:1787.8/22

+ sign 0.311+/-0.002 χ^2/NDF: 2977.1/52

All: 0.313+/-0.001 χ^2/NDF: 10576.5/108

- sign 0.316+/-0.002 χ^2/NDF: 7597.2/55

reg_asym_sam_3726_avg_diff_bpm1X_slope vs Slug



Right In: -6.864+/-0.287 χ^2/NDF: 1556.7/27

Left Out: -16.000+/-0.099 χ^2/NDF:5962.8/24

Right Out: -3.060+/-0.282 χ^2/NDF: 4578.9/32

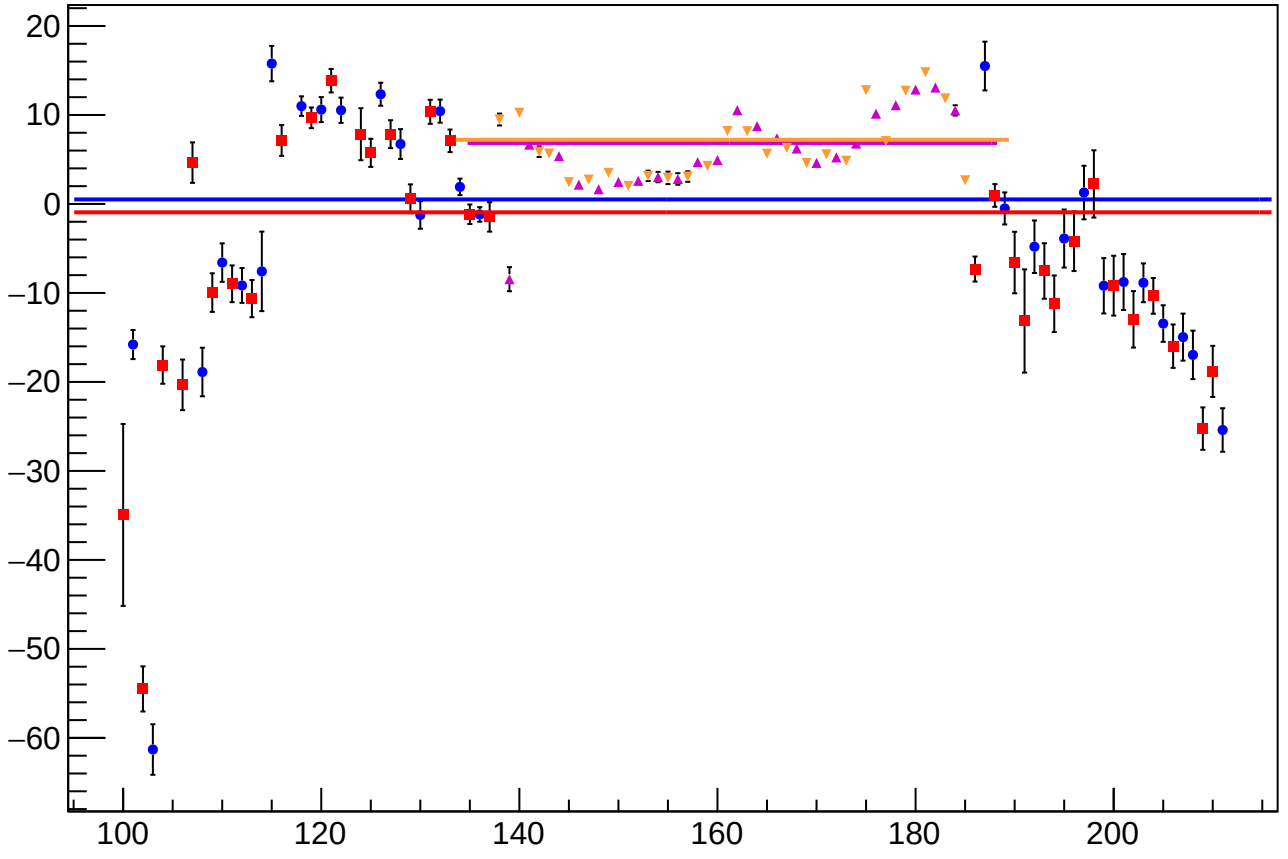
Left In: -15.582+/-0.102 χ^2/NDF:4759.9/22

+ sign -15.019+/-0.094 χ^2/NDF: 8426.9/52

All: -14.587+/-0.067 χ^2/NDF: 19550.0/108

- sign -14.136+/-0.096 χ^2/NDF: 11079.9/55

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs Slug



Right In: 0.509+/-0.321 χ^2/NDF: 1382.8/27

Left Out: 7.212+/-0.080 χ^2/NDF:2455.9/24

Right Out: -0.939+/-0.330 χ^2/NDF: 1300.2/32

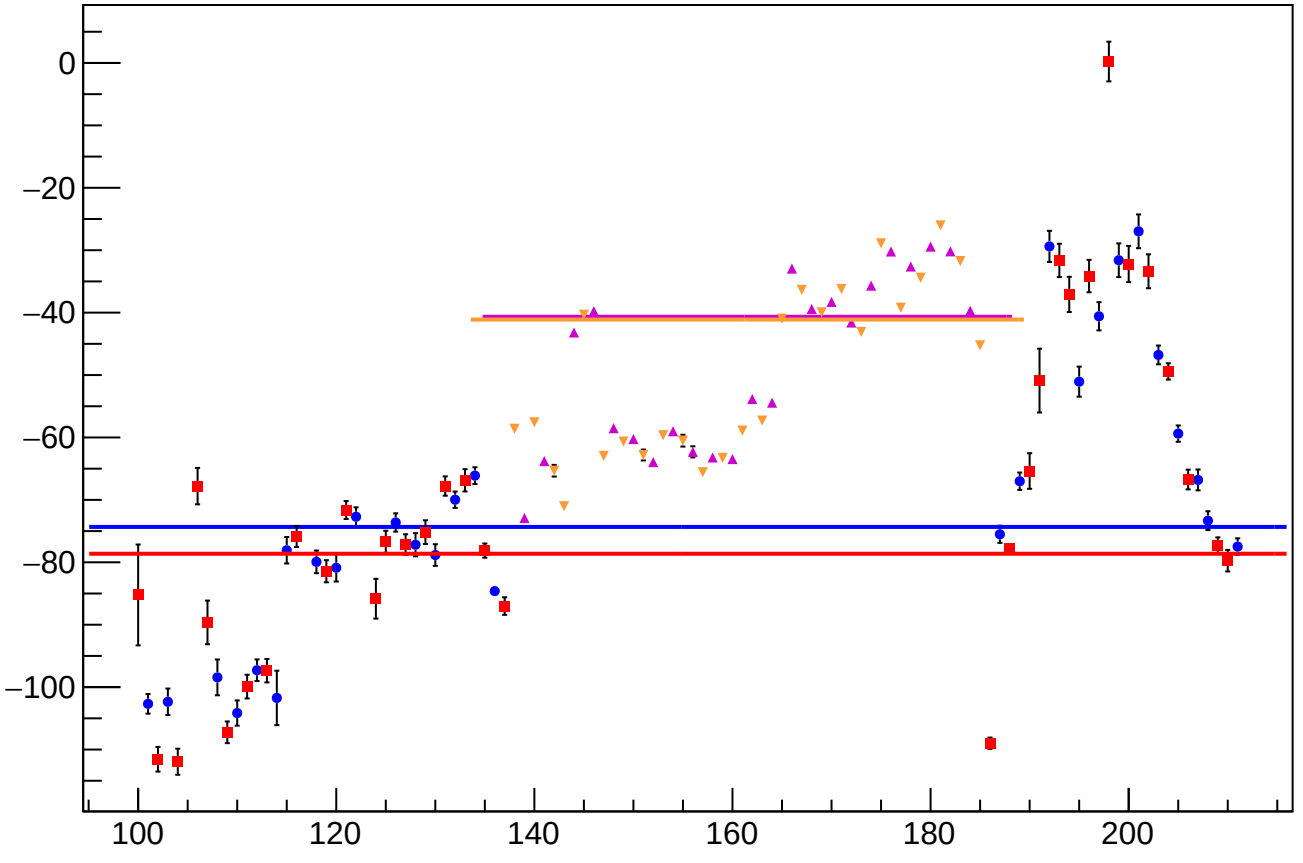
Left In: 6.856+/-0.081 χ^2/NDF:2156.4/22

\+ sign 6.819+/-0.078 χ^2/NDF: 4249.6/52

All: 6.618+/-0.055 χ^2/NDF: 8247.2/108

\- sign 6.411+/-0.079 χ^2/NDF: 3984.0/55

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs Slug



Right In: -74.330+/-0.301 χ^2/NDF: 3014.8/27

Left Out: -41.111+/-0.100 χ^2/NDF:16000.8/24

Right Out: -78.629+/-0.292 χ^2/NDF: 4920.3/32

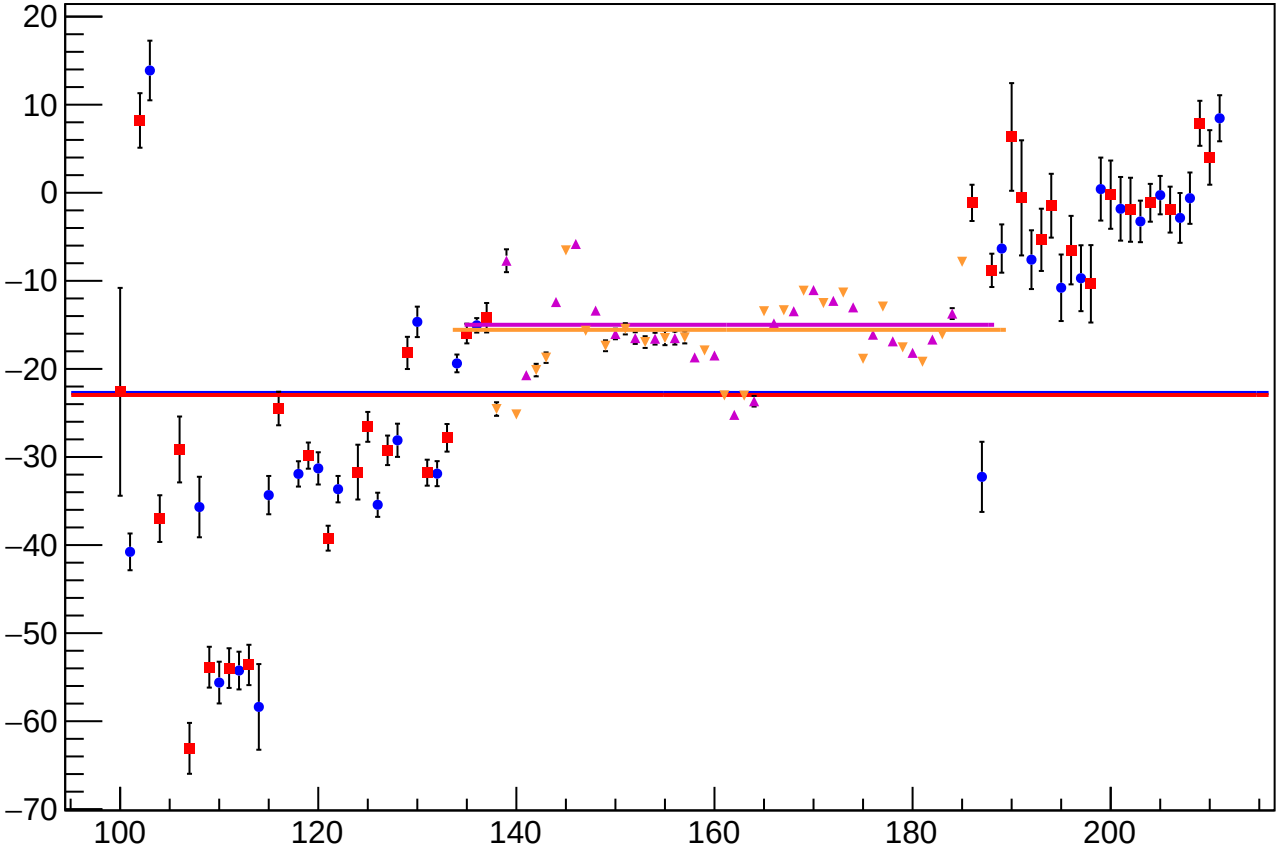
Left In: -40.665+/-0.102 χ^2/NDF:13541.3/22

\+ sign -44.407+/-0.095 χ^2/NDF: 29966.2/52

All: -44.611+/-0.068 χ^2/NDF: 63537.1/108

\- sign -44.821+/-0.096 χ^2/NDF: 33561.5/55

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs Slug



Right In: -22.728+/-0.359 χ^2/NDF: 1652.2/27

Left Out: -15.562+/-0.089 χ^2/NDF:2549.5/24

Right Out: -22.958+/-0.378 χ^2/NDF: 1918.4/32

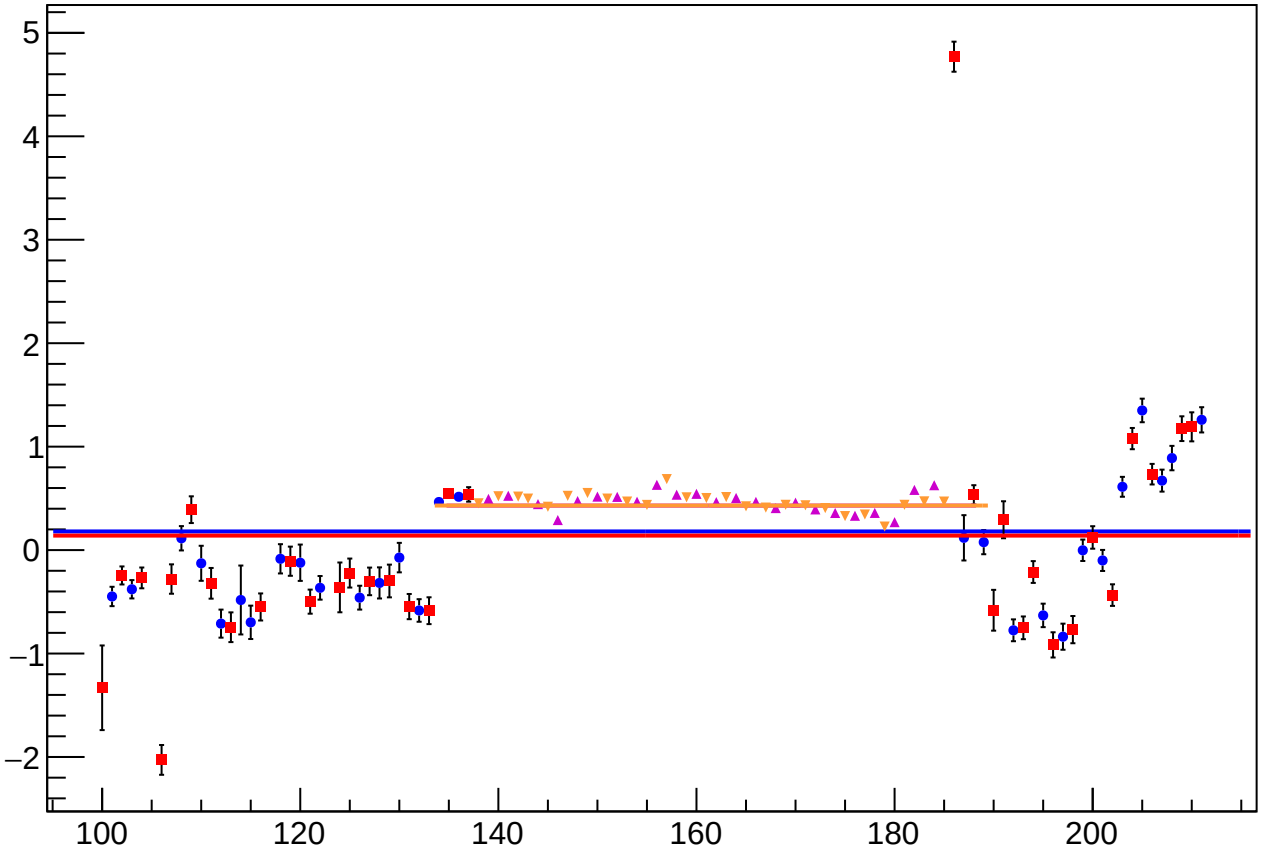
Left In: -14.990+/-0.090 χ^2/NDF:2150.9/22

+ sign -15.976+/-0.086 χ^2/NDF: 4576.8/52

All: -15.702+/-0.062 χ^2/NDF: 9086.1/108

- sign -15.419+/-0.088 χ^2/NDF: 4488.8/55

reg_asym_sam_3726_avg_diff_bpm12X_slope vs Slug



Right In: 0.180+/-0.018 χ^2/NDF: 894.4/27

Left Out: 0.431+/-0.004 χ^2/NDF:418.4/24

Right Out: 0.140+/-0.019 χ^2/NDF: 2135.4/32

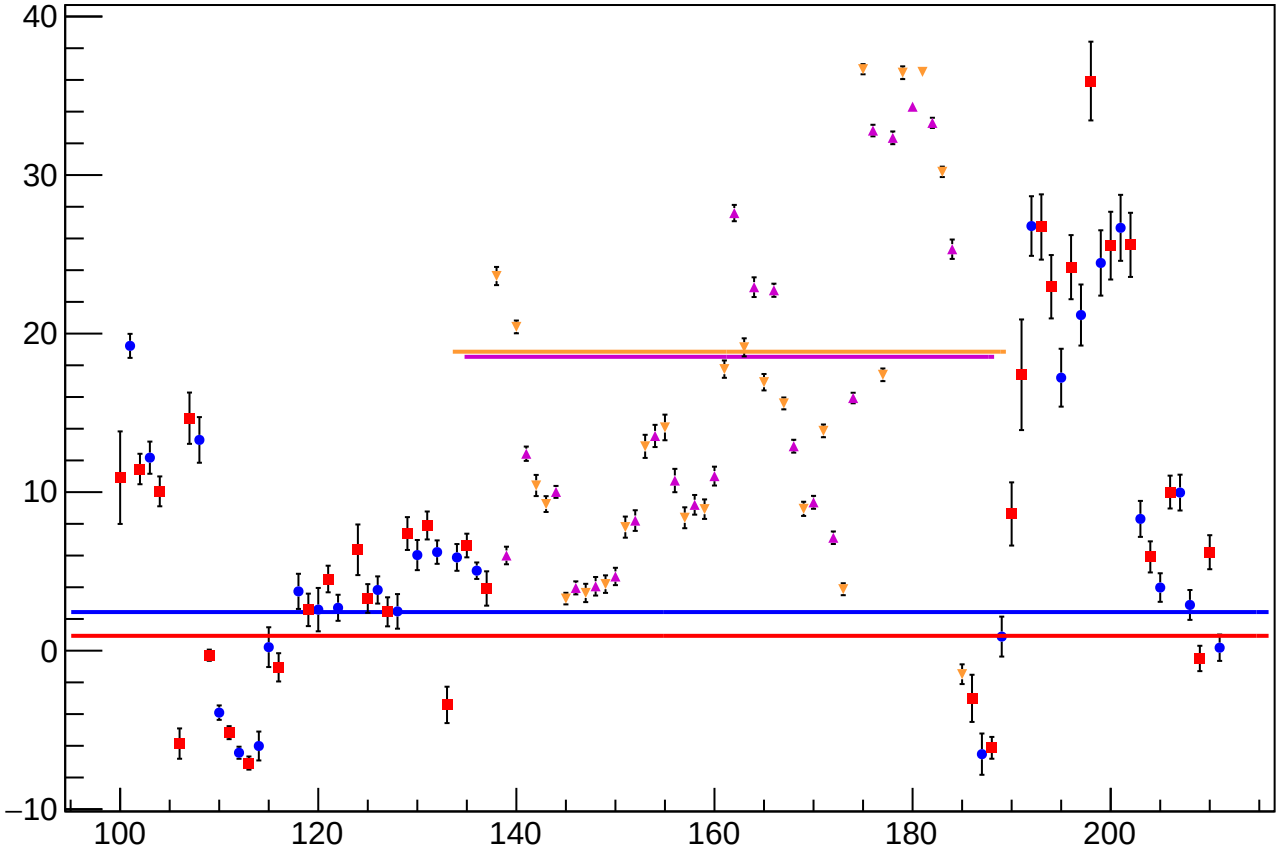
Left In: 0.430+/-0.004 χ^2/NDF:583.6/22

+ sign 0.419+/-0.004 χ^2/NDF: 1498.7/52

All: 0.418+/-0.003 χ^2/NDF: 4434.2/108

- sign 0.418+/-0.004 χ^2/NDF: 2935.5/55

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs Slug



Right In: 2.435+/-0.163 χ^2/NDF: 2261.7/27

Left Out: 18.858+/-0.090 χ^2/NDF:18374.1/24

Right Out: 0.936+/-0.150 χ^2/NDF: 2354.8/32

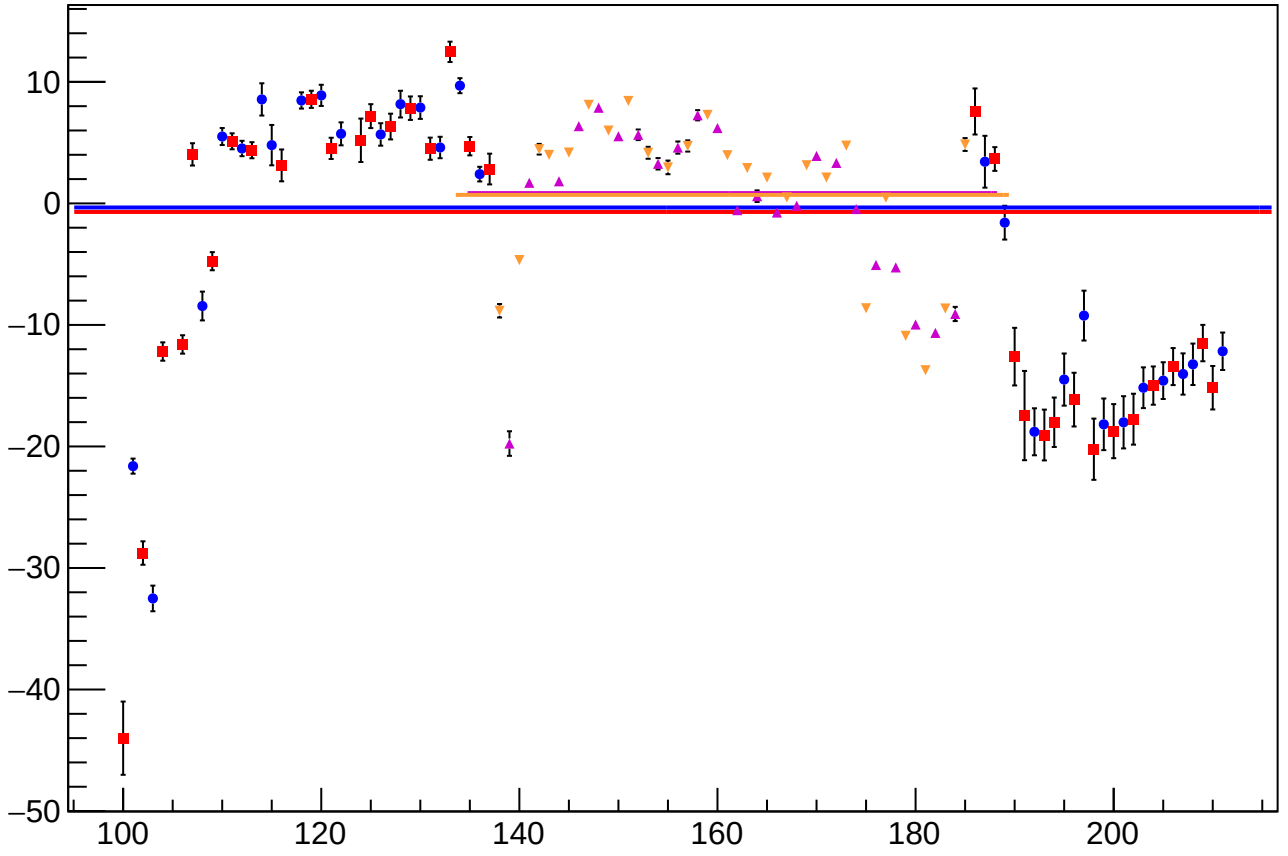
Left In: 18.535+/-0.093 χ^2/NDF:14066.0/22

+ sign 14.987+/-0.079 χ^2/NDF: 28413.8/52

All: 14.314+/-0.056 χ^2/NDF: 54892.4/108

- sign 13.639+/-0.079 χ^2/NDF: 26333.5/55

reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs Slug



Right In: -0.337+/-0.189 χ^2/NDF: 3802.0/27

Left Out: 0.702+/-0.071 χ^2/NDF:8237.8/24

Right Out: -0.704+/-0.186 χ^2/NDF: 3184.5/32

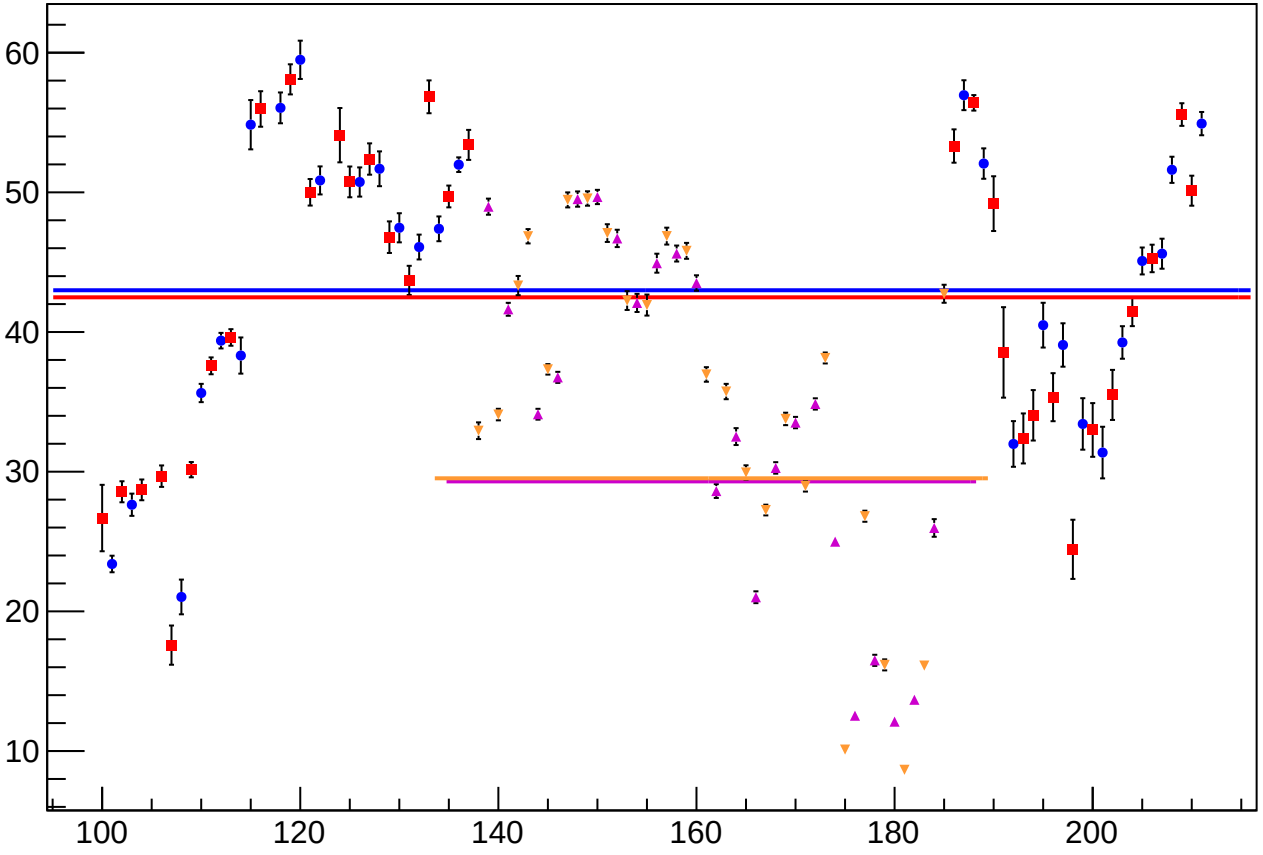
Left In: 0.847+/-0.072 χ^2/NDF:6045.4/22

+ sign 0.575+/-0.066 χ^2/NDF: 12066.3/52

All: 0.608+/-0.047 χ^2/NDF: 21357.1/108

- sign 0.642+/-0.067 χ^2/NDF: 9290.3/55

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs Slug



Right In: 42.991+/-0.179 χ^2/NDF: 3473.6/27

Left Out: 29.526+/-0.091 χ^2/NDF:21083.7/24

Right Out: 42.485+/-0.170 χ^2/NDF: 4058.3/32

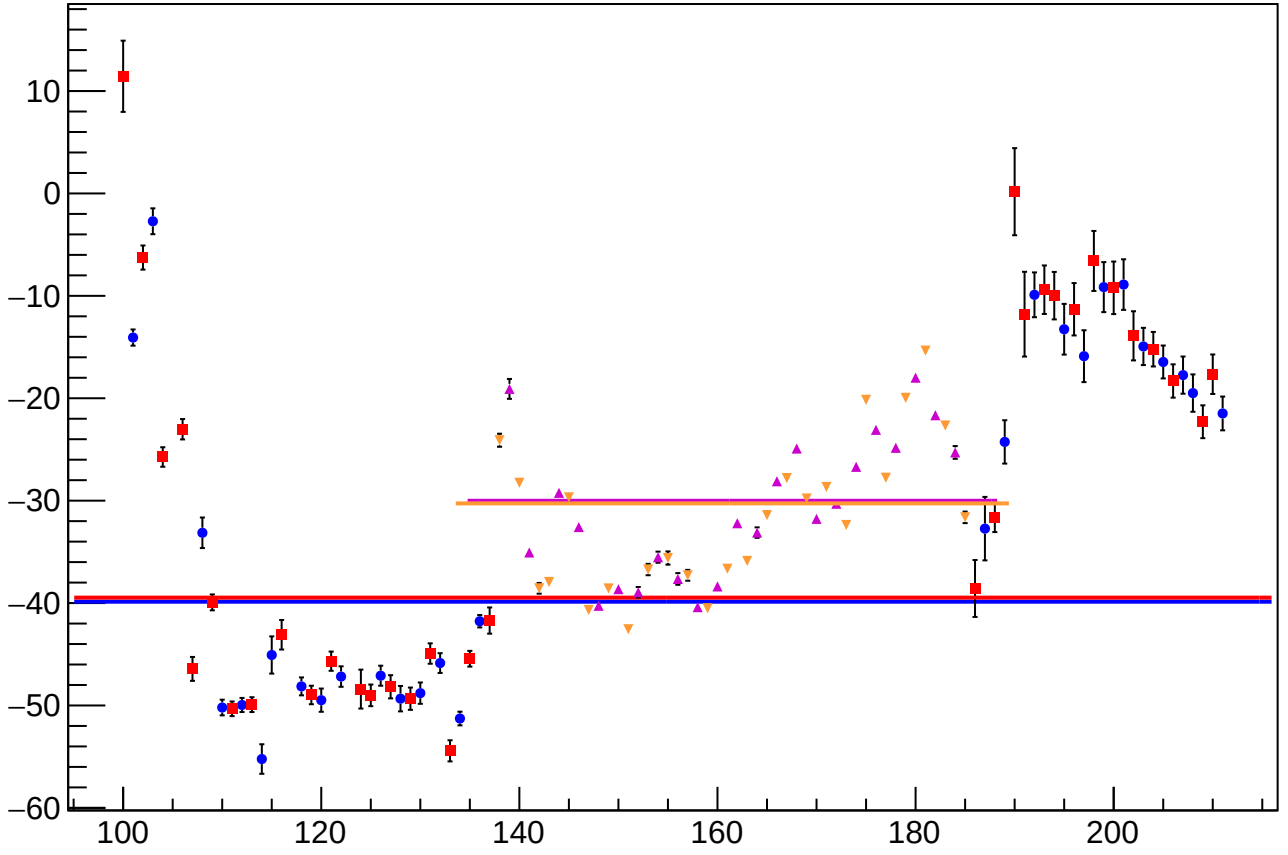
Left In: 29.306+/-0.093 χ^2/NDF:17870.3/22

+ sign 32.276+/-0.081 χ^2/NDF: 29069.8/52

All: 32.315+/-0.057 χ^2/NDF: 55634.1/108

- sign 32.354+/-0.082 χ^2/NDF: 26563.9/55

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs Slug



Right In: -39.866+/-0.214 χ^2/NDF: 4773.2/27

Left Out: -30.268+/-0.079 χ^2/NDF:8500.0/24

Right Out: -39.469+/-0.213 χ^2/NDF: 4277.0/32

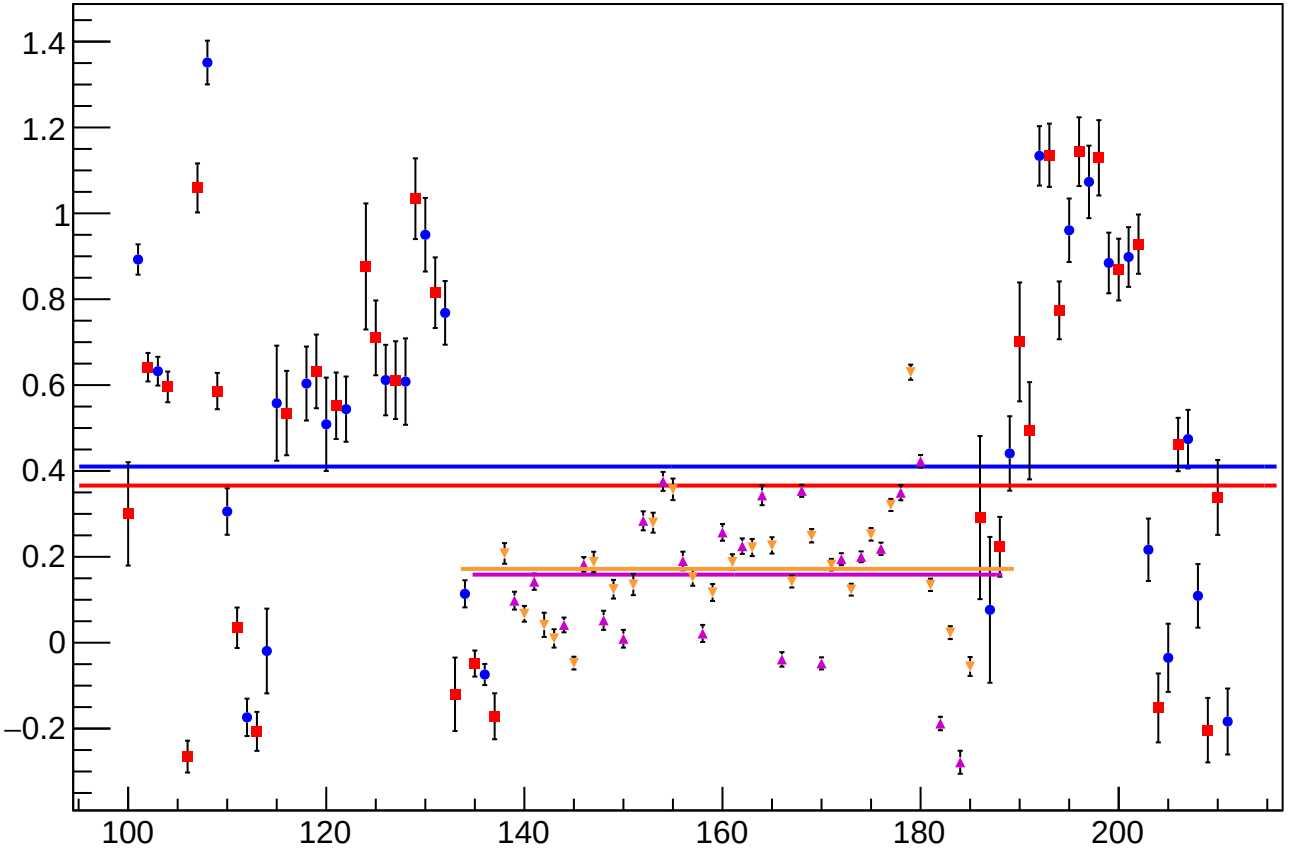
Left In: -30.012+/-0.081 χ^2/NDF:6083.1/22

+ sign -31.427+/-0.074 χ^2/NDF: 15044.4/52

All: -31.325+/-0.053 χ^2/NDF: 27135.3/108

- sign -31.219+/-0.076 χ^2/NDF: 12087.1/55

reg_asym_sam_15_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.410+/-0.011 χ^2/NDF: 1773.1/27

Left Out: 0.172+/-0.004 χ^2/NDF:1501.3/24

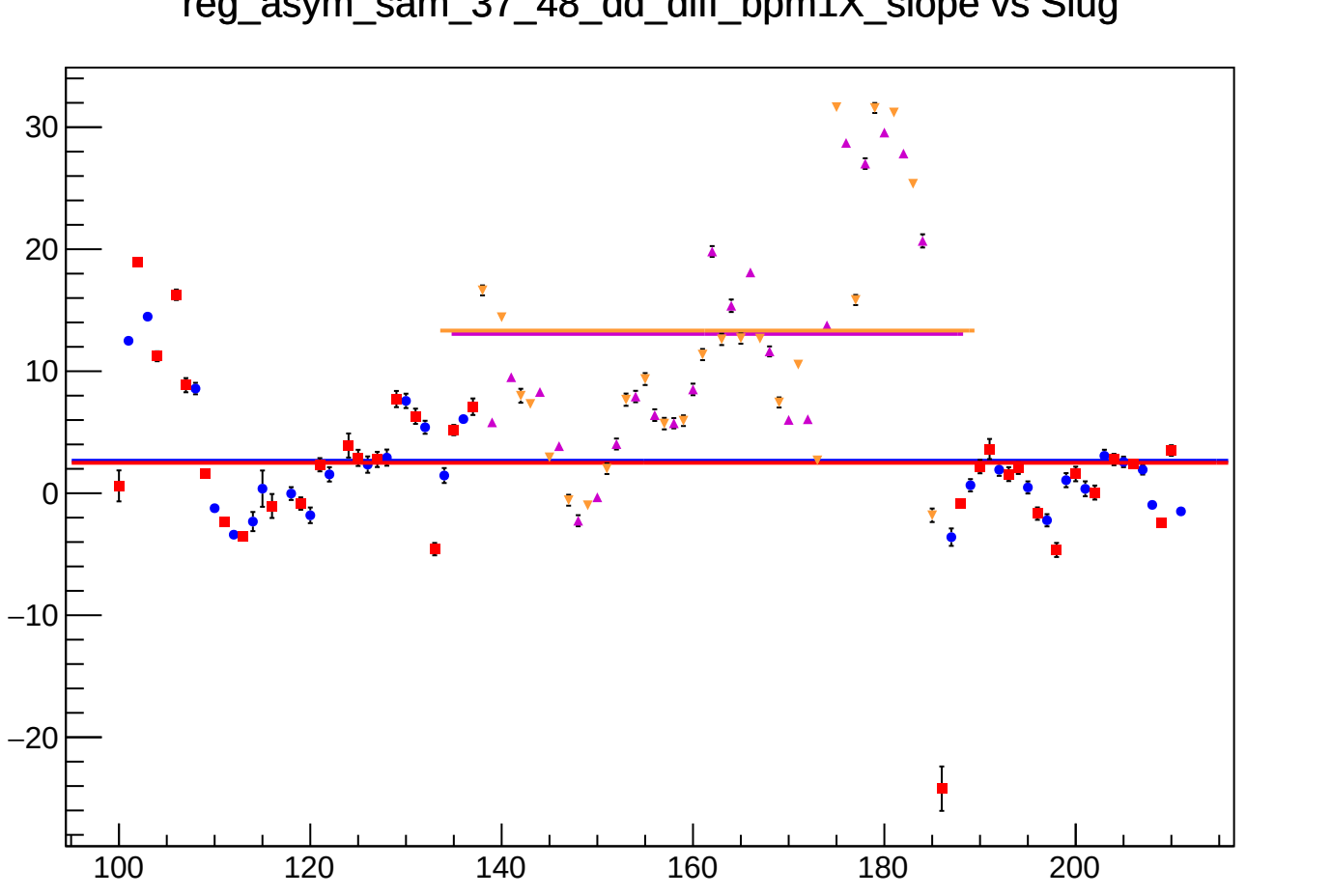
Right Out: 0.366+/-0.011 χ^2/NDF: 1780.5/32

Left In: 0.159+/-0.004 χ^2/NDF:2187.4/22

+ sign 0.196+/-0.003 χ^2/NDF: 3721.5/52

All: 0.188+/-0.002 χ^2/NDF: 8045.4/108

- sign 0.181+/-0.003 χ^2/NDF: 4314.2/55



Right In: 2.662+/-0.088 χ^2/NDF: 3334.1/27

Left Out: 13.331+/-0.077 χ^2/NDF:19432.7/24

Right Out: 2.494+/-0.081 χ^2/NDF: 5386.5/32

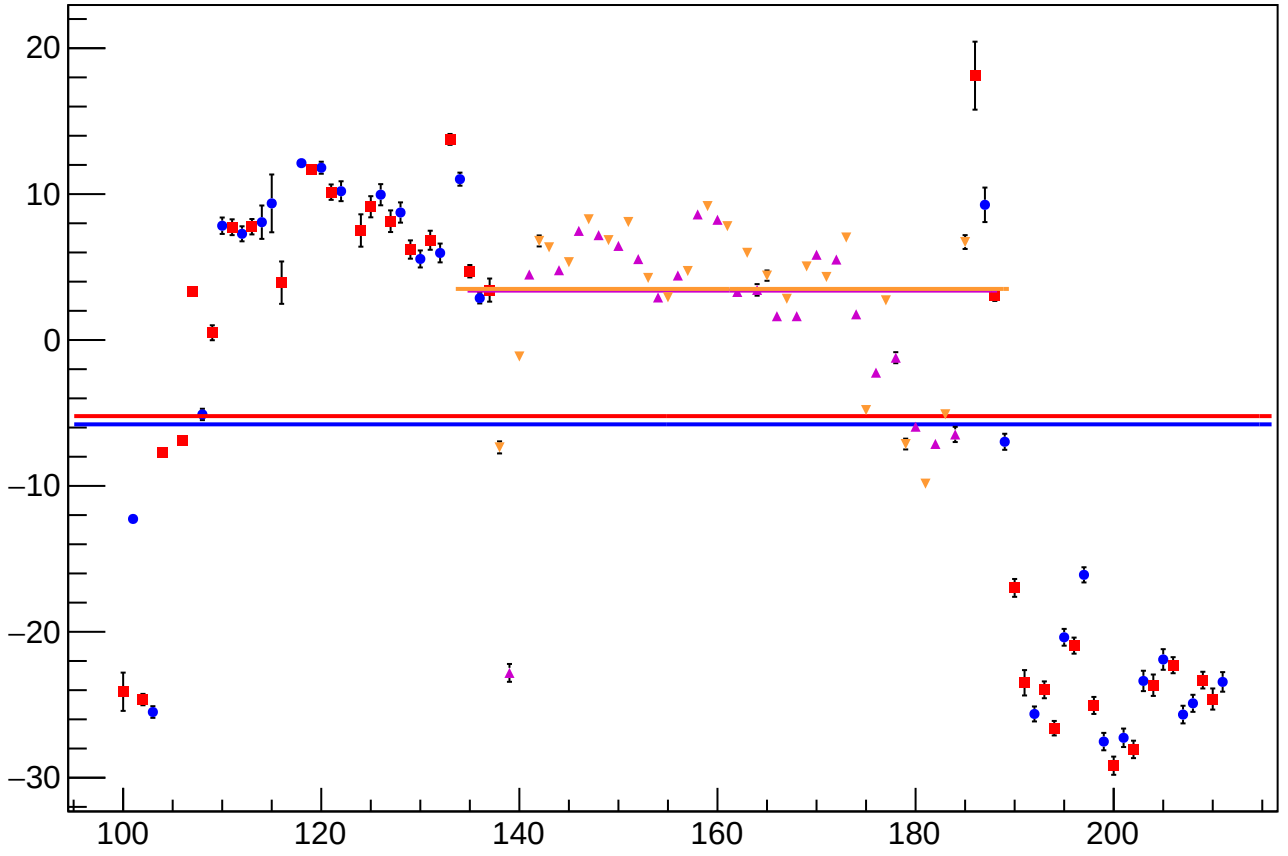
Left In: 13.061+/-0.079 χ^2/NDF:15559.8/22

\+ sign 8.728+/-0.058 χ^2/NDF: 31098.4/52

All: 8.306+/-0.041 χ^2/NDF: 60815.1/108

\- sign 7.901+/-0.057 χ^2/NDF: 29612.6/55

reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs Slug



Right In: -5.781+/-0.097 χ^2/NDF: 22771.5/27

Left Out: 3.502+/-0.059 χ^2/NDF:7911.7/24

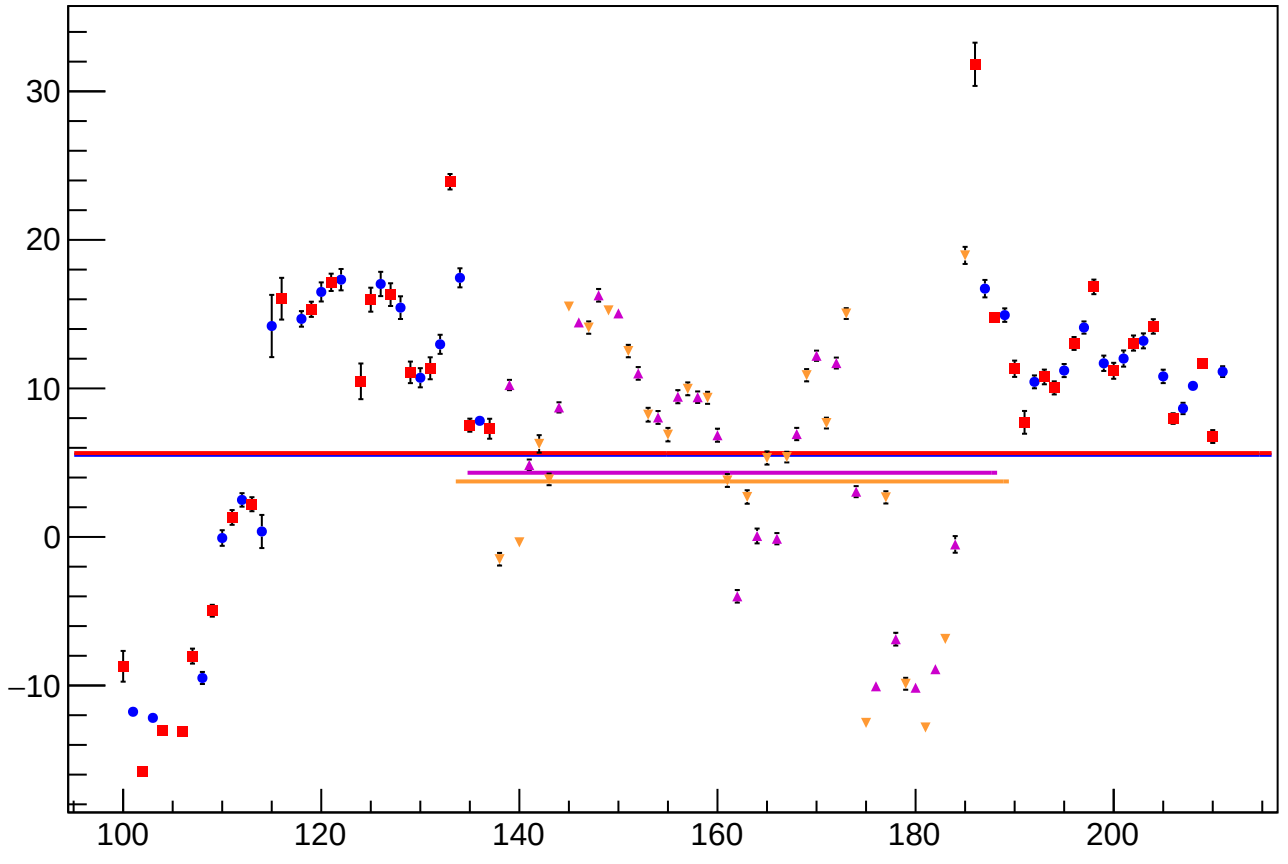
Right Out: -5.217+/-0.091 χ^2/NDF: 25567.4/32

Left In: 3.385+/-0.061 χ^2/NDF:6707.6/22

+ sign 1.025+/-0.050 χ^2/NDF: 37390.9/52

All: 0.871+/-0.036 χ^2/NDF: 75858.2/108

- sign 0.714+/-0.051 χ^2/NDF: 38448.3/55



Right In: 5.530+/-0.086 χ^2/NDF: 14120.3/27

Left Out: 3.738+/-0.076 χ^2/NDF:15586.7/24

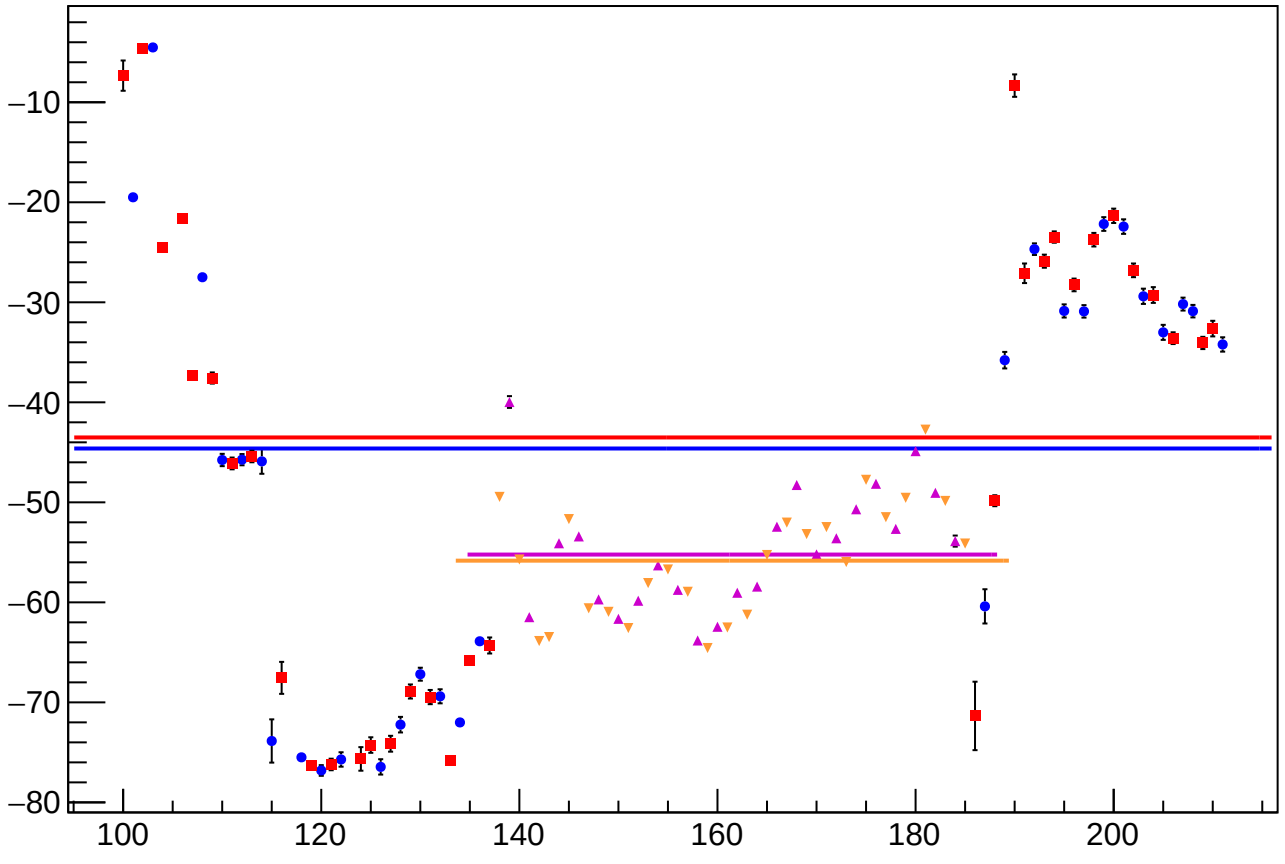
Right Out: 5.646+/-0.080 χ^2/NDF: 20395.5/32

Left In: 4.322+/-0.079 χ^2/NDF:12483.3/22

+ sign 4.524+/-0.057 χ^2/NDF: 29948.2/52

All: 4.755+/-0.040 χ^2/NDF: 62998.7/108

- sign 4.975+/-0.056 χ^2/NDF: 33018.7/55



Right In: -44.618+/-0.113 χ^2/NDF: 42270.6/27

Left Out: -55.832+/-0.066 χ^2/NDF:7592.5/24

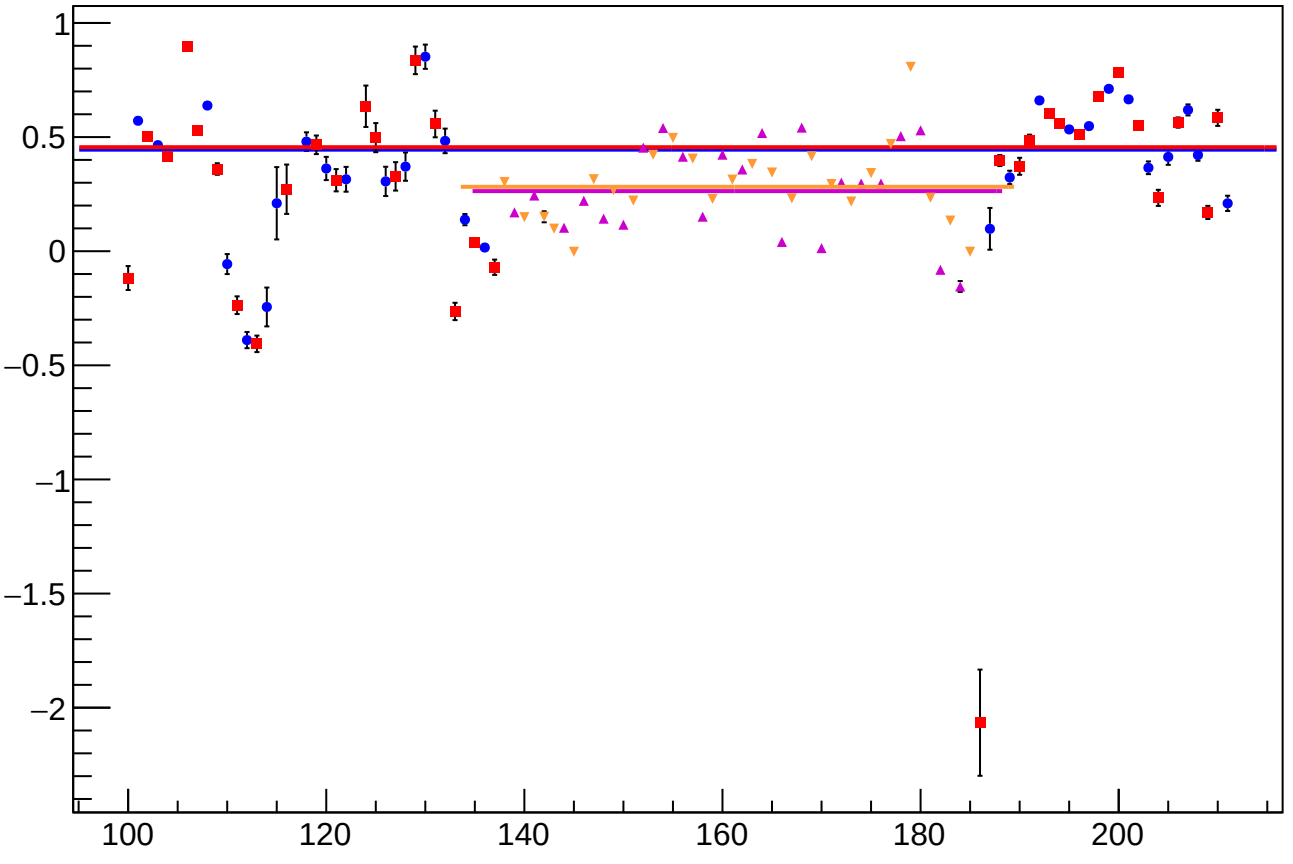
Right Out: -43.513+/-0.107 χ^2/NDF: 43794.8/32

Left In: -55.222+/-0.069 χ^2/NDF:6343.0/22

+ sign -52.959+/-0.057 χ^2/NDF: 57184.5/52

All: -52.395+/-0.041 χ^2/NDF: 115958.1/108

- sign -51.819+/-0.058 χ^2/NDF: 58577.6/55



Right In: 0.445+/-0.005 χ^2/NDF: 2658.2/27

Left Out: 0.282+/-0.003 χ^2/NDF:2712.4/24

Right Out: 0.456+/-0.004 χ^2/NDF: 3762.9/32

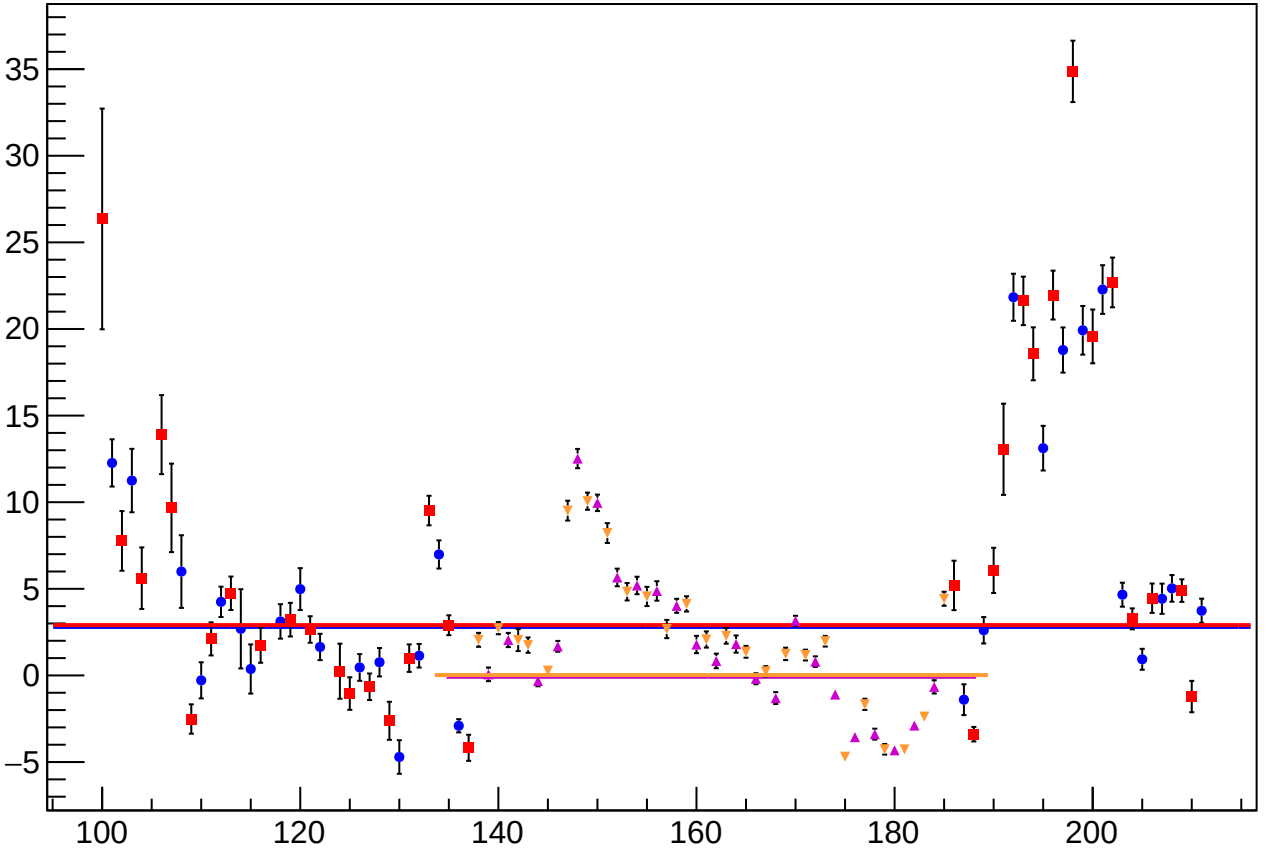
Left In: 0.263+/-0.003 χ^2/NDF:3835.8/22

+ sign 0.329+/-0.003 χ^2/NDF: 6226.8/52

All: 0.327+/-0.002 χ^2/NDF: 15120.0/108

- sign 0.325+/-0.002 χ^2/NDF: 8892.1/55

reg_asym_sam_15_26_dd_diff_bpm1X_slope vs Slug



Right In: 2.800+/-0.163 χ^2/NDF: 1227.1/27

Left Out: 0.022+/-0.069 χ^2/NDF:2759.3/24

Right Out: 2.905+/-0.164 χ^2/NDF: 1701.6/32

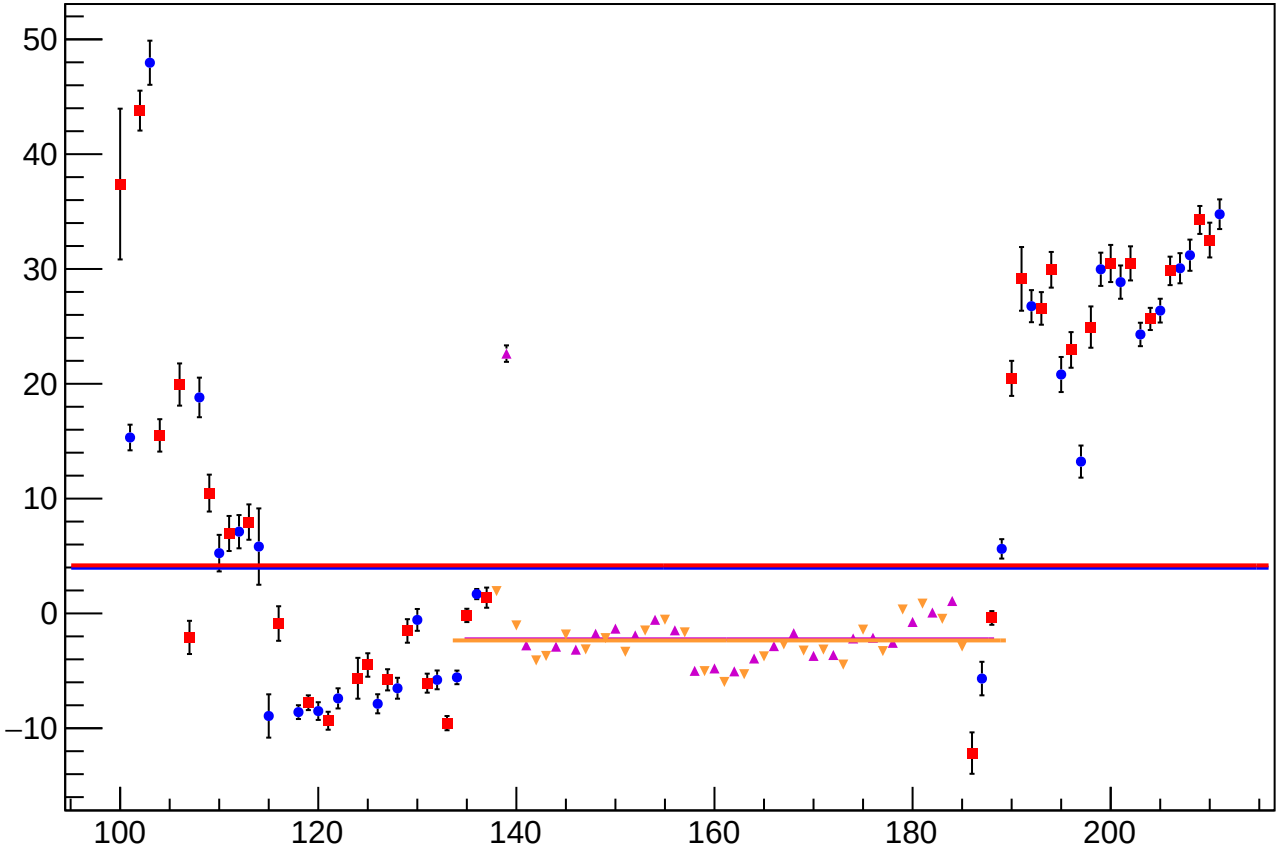
Left In: -0.080+/-0.071 χ^2/NDF:2464.5/22

+ sign 0.441+/-0.063 χ^2/NDF: 4234.0/52

All: 0.416+/-0.045 χ^2/NDF: 8681.2/108

- sign 0.390+/-0.065 χ^2/NDF: 4446.8/55

reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs Slug



Right In: 3.982+/-0.184 χ^2/NDF: 5732.1/27

Left Out: -2.352+/-0.055 χ^2/NDF:1125.6/24

Right Out: 4.184+/-0.189 χ^2/NDF: 5941.4/32

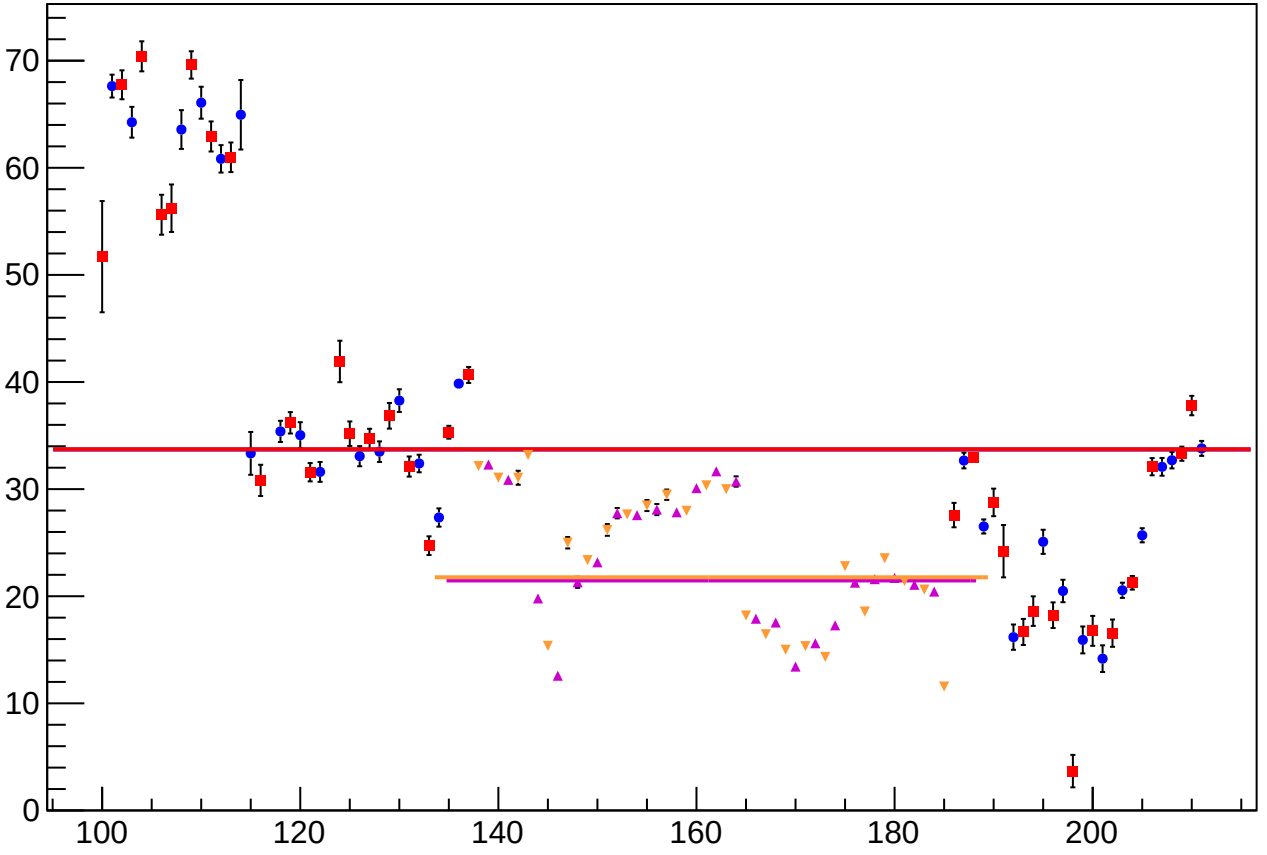
Left In: -2.257+/-0.056 χ^2/NDF:1877.2/22

+ sign -1.832+/-0.053 χ^2/NDF: 7942.6/52

All: -1.782+/-0.038 χ^2/NDF: 16831.8/108

- sign -1.729+/-0.054 χ^2/NDF: 8887.3/55

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs Slug



Right In: 33.699+/-0.167 χ^2/NDF: 4586.8/27

Left Out: 21.768+/-0.069 χ^2/NDF:6814.2/24

Right Out: 33.721+/-0.164 χ^2/NDF: 5109.7/32

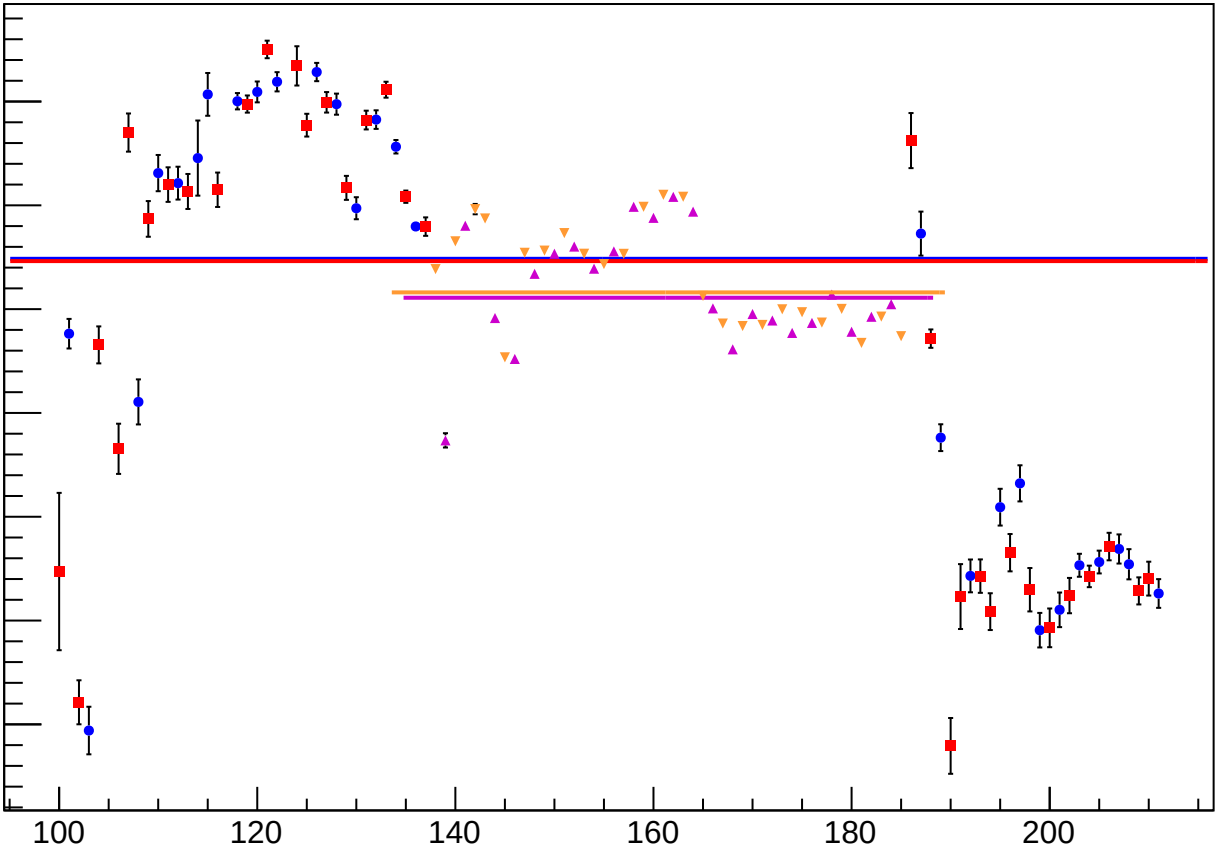
Left In: 21.472+/-0.071 χ^2/NDF:5787.4/22

+ sign 23.509+/-0.064 χ^2/NDF: 15781.6/52

All: 23.451+/-0.045 χ^2/NDF: 31390.9/108

- sign 23.389+/-0.065 χ^2/NDF: 15607.6/55

reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs Slug



Right In: 44.848+/-0.207 χ^2/NDF: 7272.9/27

Left Out: 41.613+/-0.061 χ^2/NDF:5776.0/24

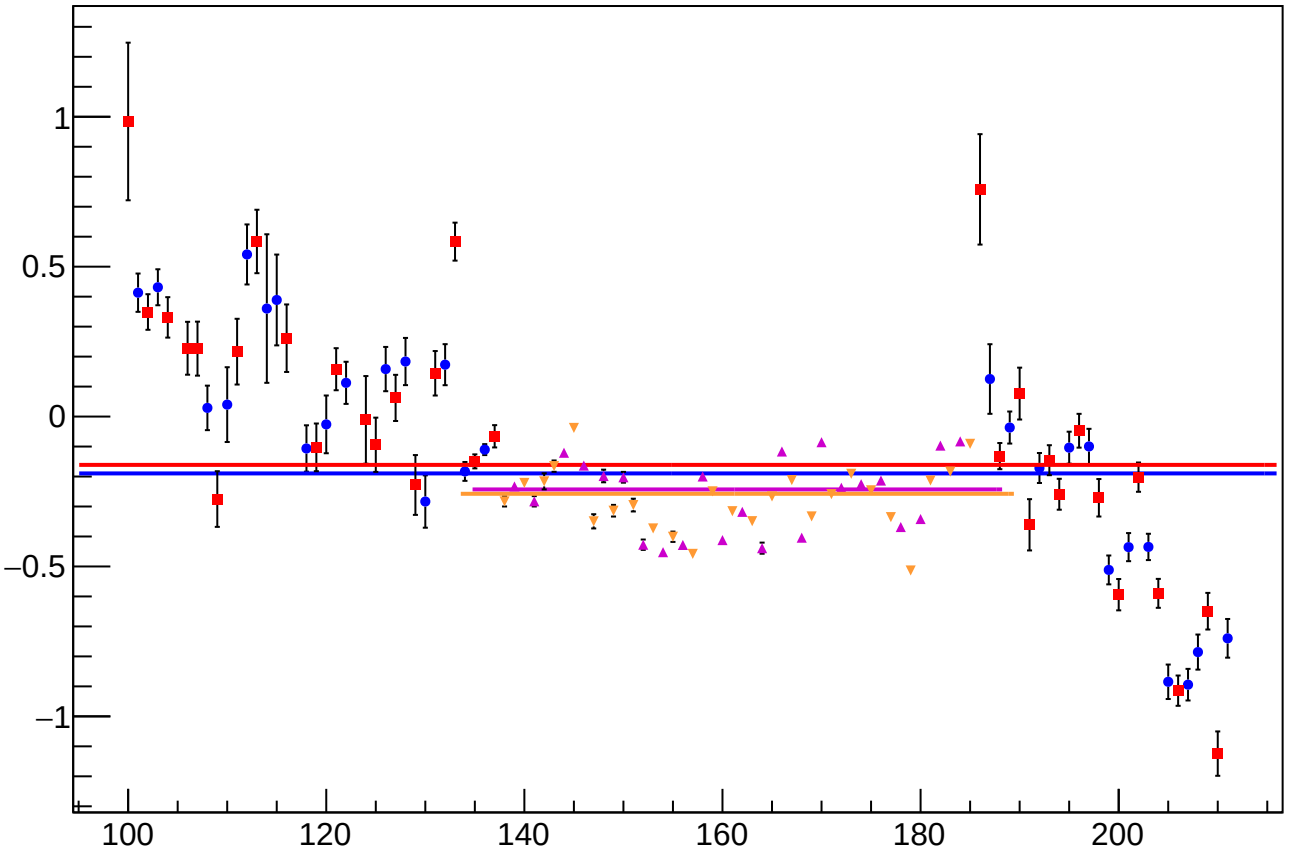
Right Out: 44.628+/-0.217 χ^2/NDF: 7491.5/32

Left In: 41.098+/-0.063 χ^2/NDF:5478.0/22

+ sign 41.873+/-0.059 χ^2/NDF: 13272.6/52

All: 41.627+/-0.042 χ^2/NDF: 26522.2/108

- sign 41.370+/-0.060 χ^2/NDF: 13213.8/55



Right In: -0.190+/-0.010 χ^2/NDF: 1021.6/27

Left Out: -0.258+/-0.003 χ^2/NDF:1515.1/24

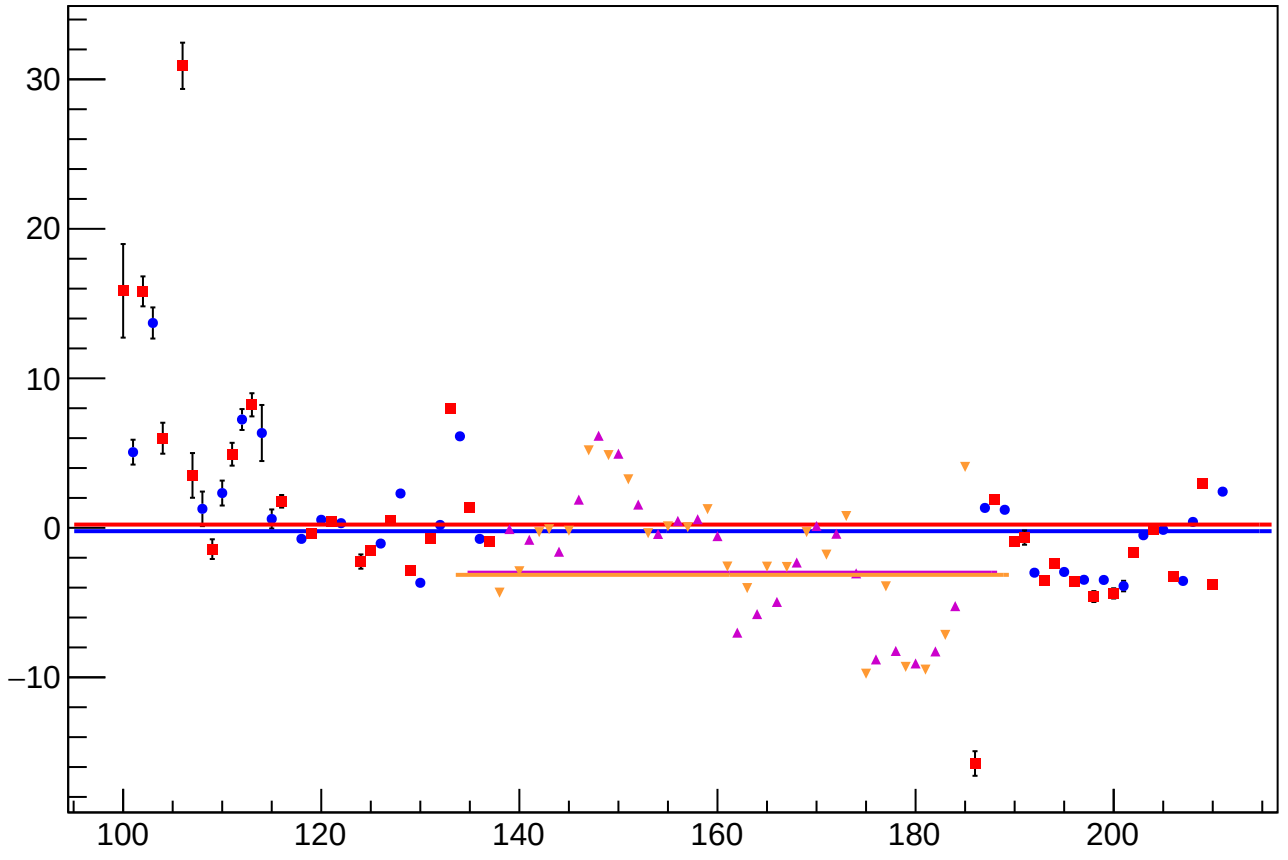
Right Out: -0.161+/-0.010 χ^2/NDF: 1107.5/32

Left In: -0.243+/-0.003 χ^2/NDF:1811.8/22

+ sign -0.253+/-0.003 χ^2/NDF: 2580.3/52

All: -0.245+/-0.002 χ^2/NDF: 5573.4/108

- sign -0.238+/-0.003 χ^2/NDF: 2976.7/55



Right In: -0.224+/-0.050 χ^2/NDF: 2234.3/27

Left Out: -3.144+/-0.028 χ^2/NDF:25358.6/24

Right Out: 0.218+/-0.048 χ^2/NDF: 5071.6/32

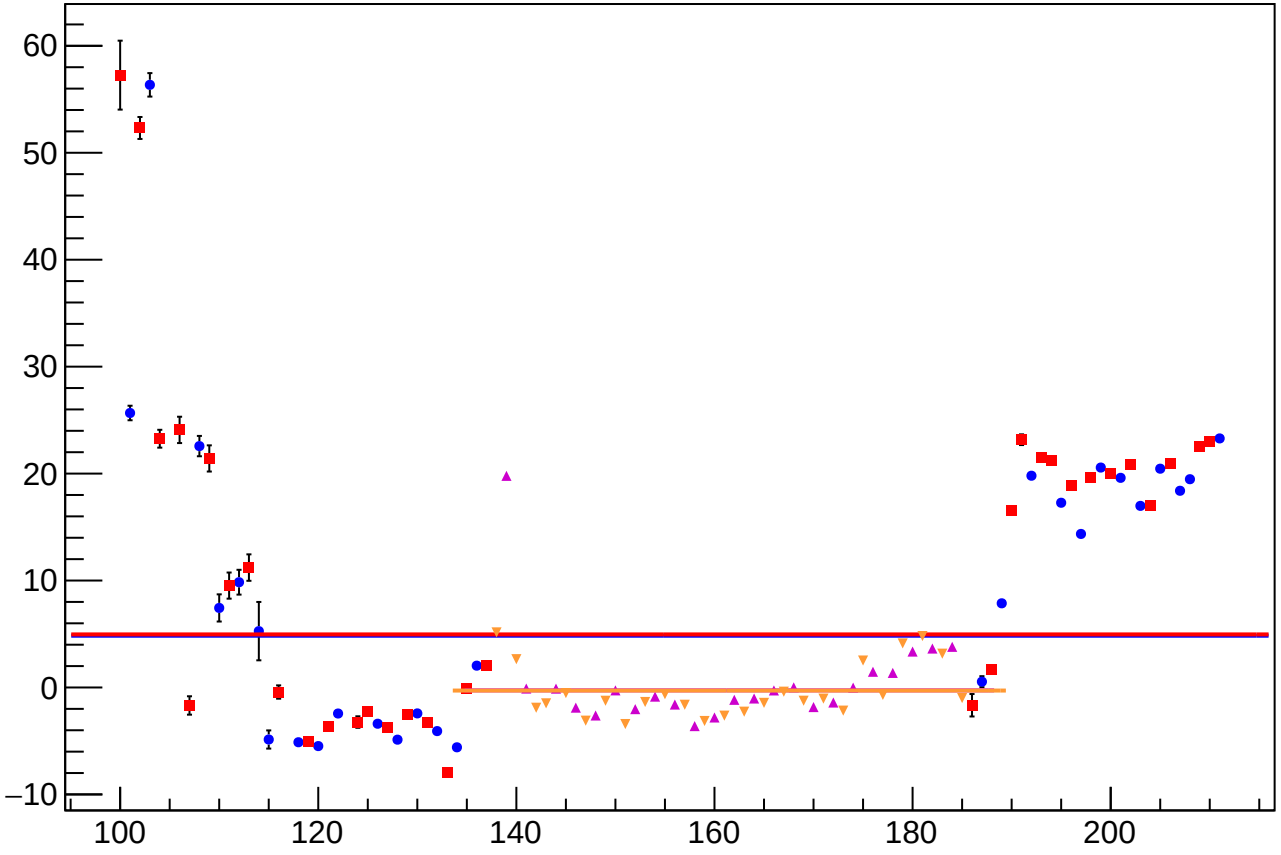
Left In: -2.999+/-0.028 χ^2/NDF:22425.0/22

+ sign -2.453+/-0.024 χ^2/NDF: 30219.7/52

All: -2.306+/-0.017 χ^2/NDF: 61135.6/108

- sign -2.157+/-0.024 χ^2/NDF: 30842.0/55

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs Slug



Right In: 4.841+/-0.056 χ^2/NDF: 39993.5/27

Left Out: -0.288+/-0.022 χ^2/NDF:12198.2/24

Right Out: 4.962+/-0.053 χ^2/NDF: 49758.4/32

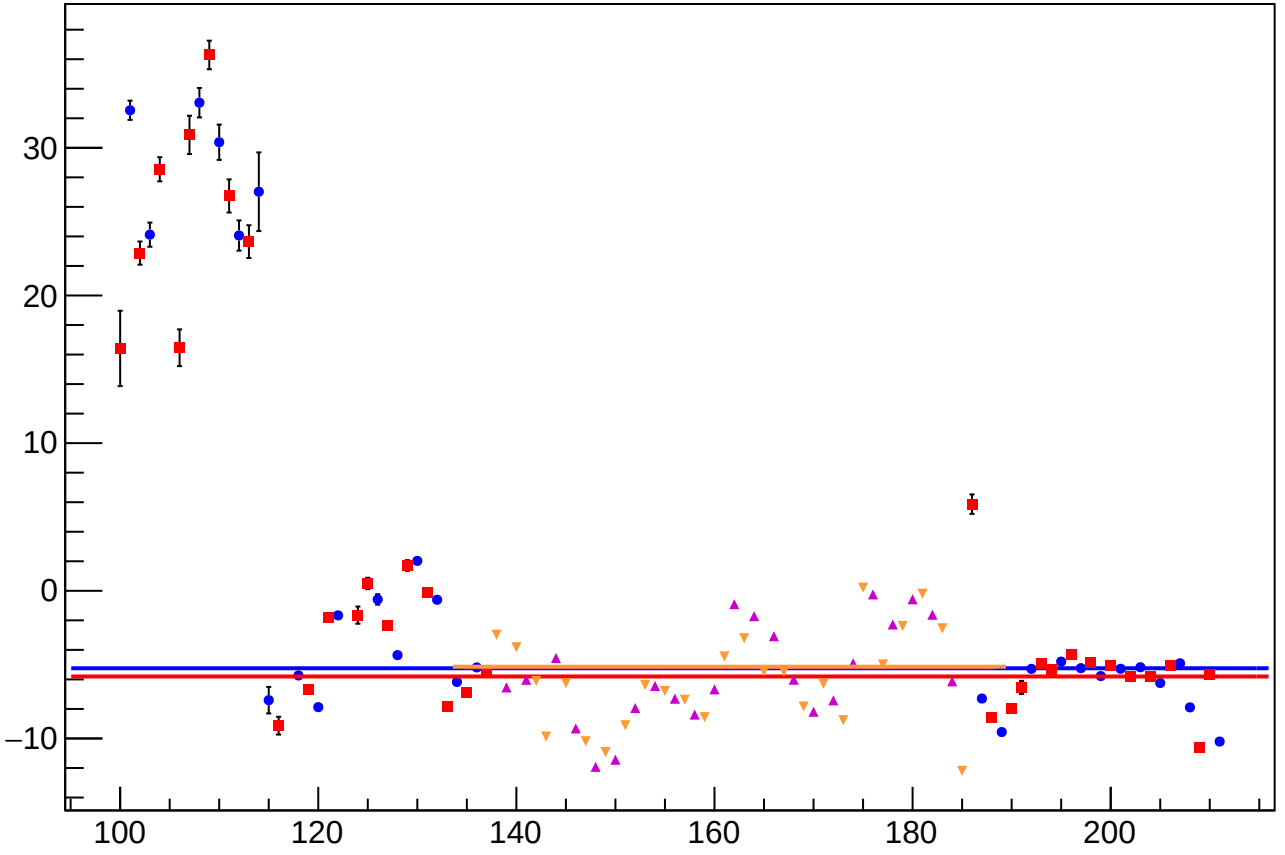
Left In: -0.271+/-0.022 χ^2/NDF:13220.8/22

+ sign 0.395+/-0.020 χ^2/NDF: 59559.9/52

All: 0.450+/-0.014 χ^2/NDF: 130726.5/108

- sign 0.505+/-0.021 χ^2/NDF: 71152.1/55

reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs Slug



Right In: -5.245+/-0.050 χ^2/NDF: 10702.3/27

Left Out: -5.138+/-0.028 χ^2/NDF:14626.0/24

Right Out: -5.802+/-0.046 χ^2/NDF: 11502.5/32

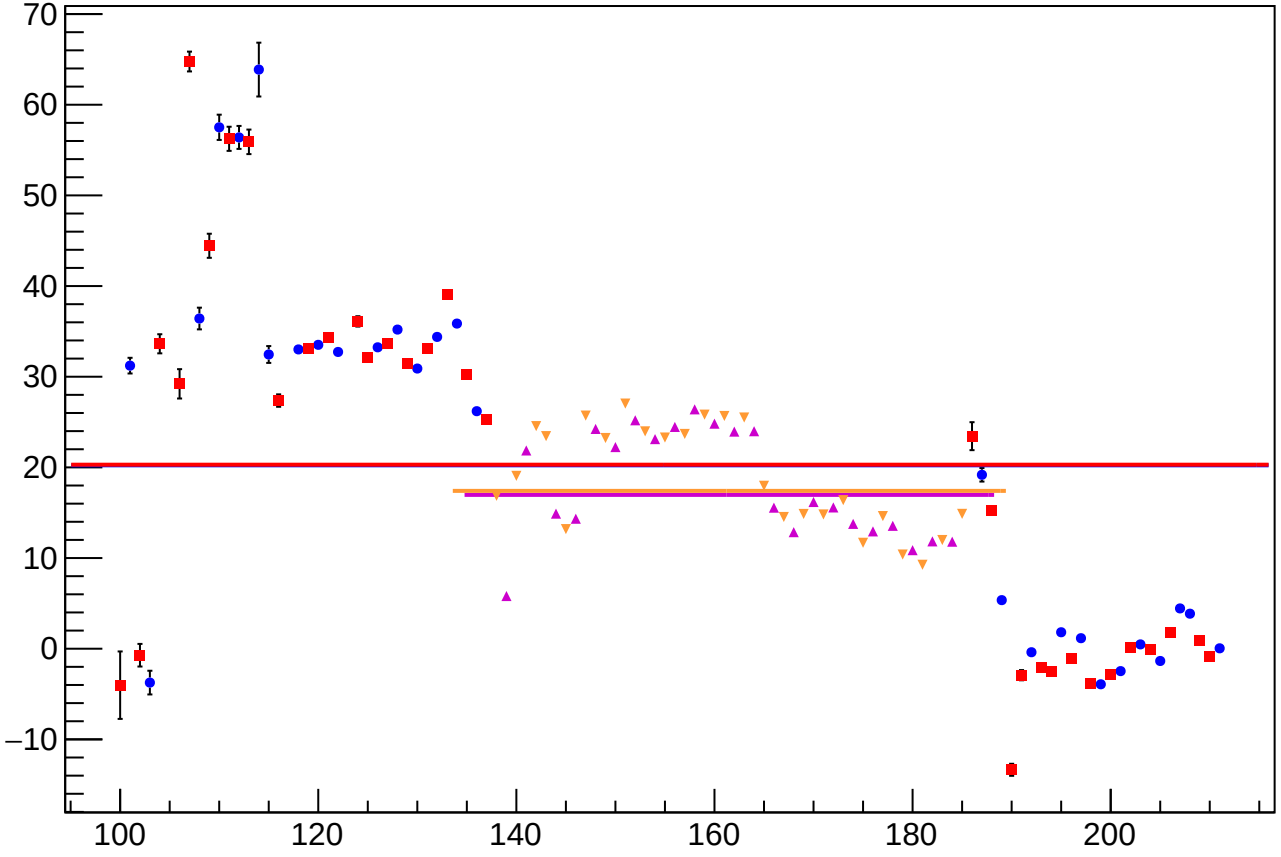
Left In: -5.177+/-0.028 χ^2/NDF:13963.7/22

+ sign -5.163+/-0.024 χ^2/NDF: 25331.8/52

All: -5.256+/-0.017 χ^2/NDF: 50959.8/108

- sign -5.349+/-0.024 χ^2/NDF: 25598.8/55

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs Slug



Right In: 20.229+/-0.064 χ^2/NDF: 59574.9/27

Left Out: 17.409+/-0.024 χ^2/NDF:50630.8/24

Right Out: 20.297+/-0.062 χ^2/NDF: 74625.0/32

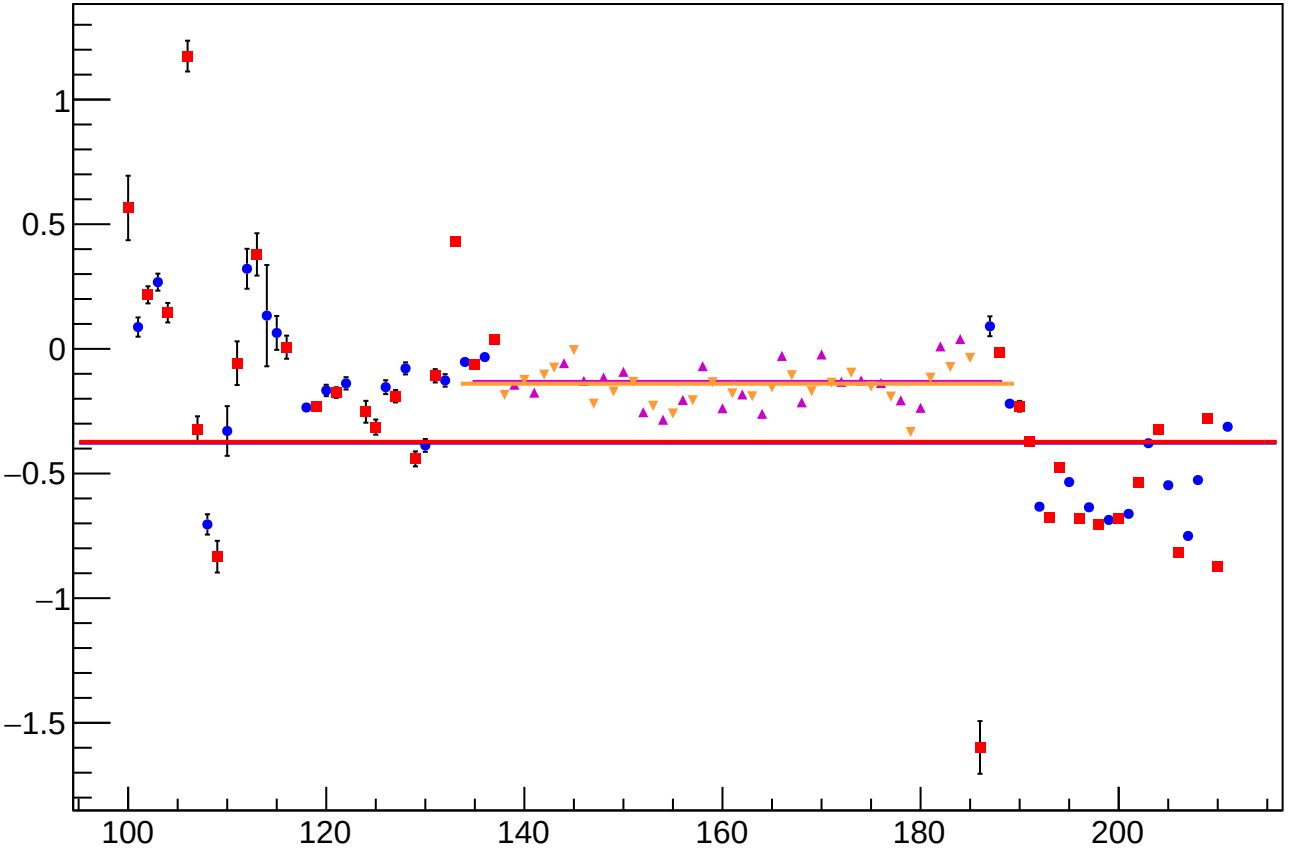
Left In: 16.967+/-0.025 χ^2/NDF:39939.4/22

\+ sign 17.769+/-0.023 χ^2/NDF: 111906.4/52

All: 17.602+/-0.016 χ^2/NDF: 229037.9/108

\- sign 17.429+/-0.023 χ^2/NDF: 117022.1/55

reg_asym_sam_37_26_dd_diff_bpm12X_slope vs Slug



Right In: -0.376+/-0.003 χ^2/NDF: 8397.2/27

Left Out: -0.140+/-0.001 χ^2/NDF:4108.2/24

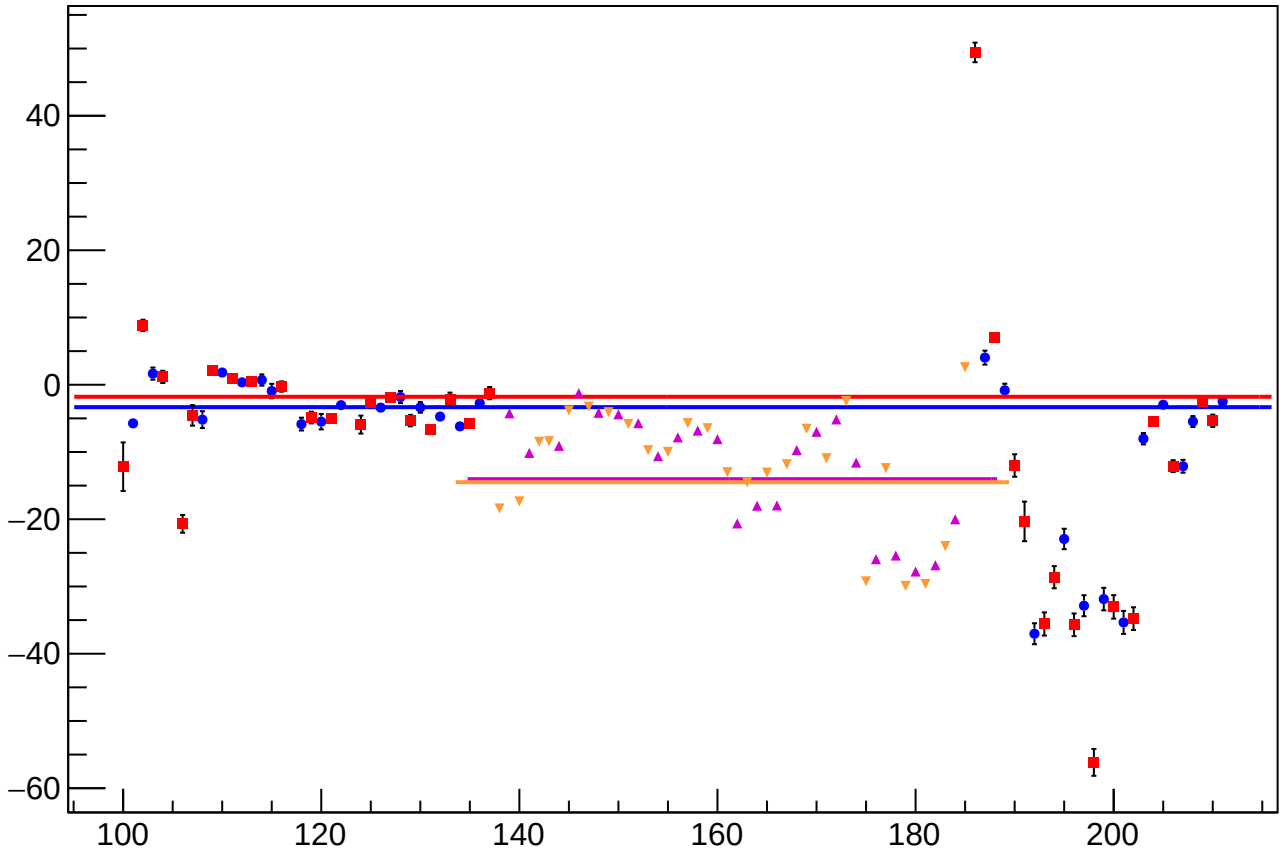
Right Out: -0.373+/-0.003 χ^2/NDF: 13593.7/32

Left In: -0.133+/-0.001 χ^2/NDF:5529.7/22

+ sign -0.168+/-0.001 χ^2/NDF: 18230.3/52

All: -0.166+/-0.001 χ^2/NDF: 43590.4/108

- sign -0.164+/-0.001 χ^2/NDF: 25352.4/55



Right In: -3.334+/-0.138 χ^2/NDF: 2208.0/27

Left Out: -14.494+/-0.075 χ^2/NDF:17232.7/24

Right Out: -1.788+/-0.131 χ^2/NDF: 5049.5/32

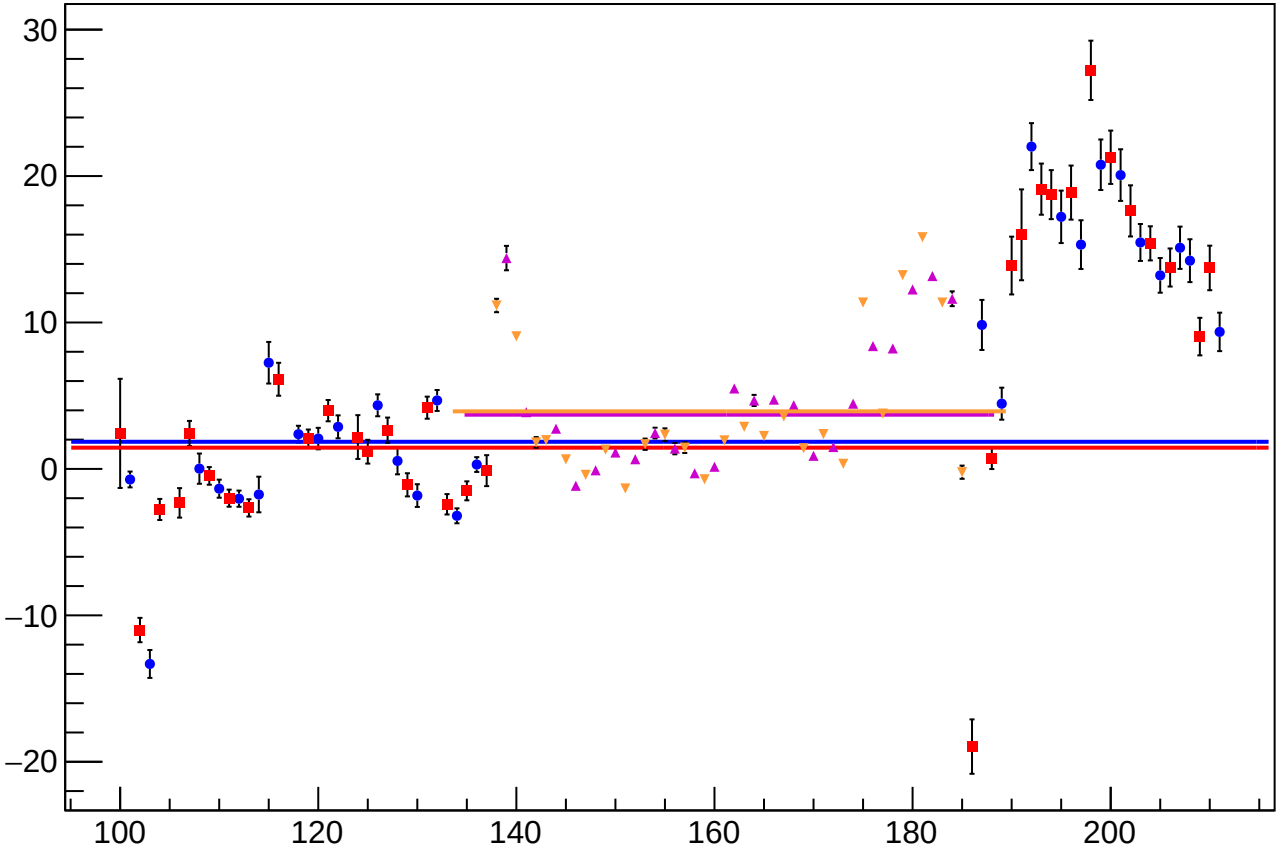
Left In: -14.038+/-0.077 χ^2/NDF:13482.5/22

+ sign -11.964+/-0.066 χ^2/NDF: 24493.0/52

All: -11.434+/-0.047 χ^2/NDF: 49677.1/108

- sign -10.897+/-0.066 χ^2/NDF: 25053.4/55

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs Slug



Right In: 1.854+/-0.160 χ^2/NDF: 1488.6/27

Left Out: 3.932+/-0.058 χ^2/NDF:6979.2/24

Right Out: 1.451+/-0.161 χ^2/NDF: 1658.0/32

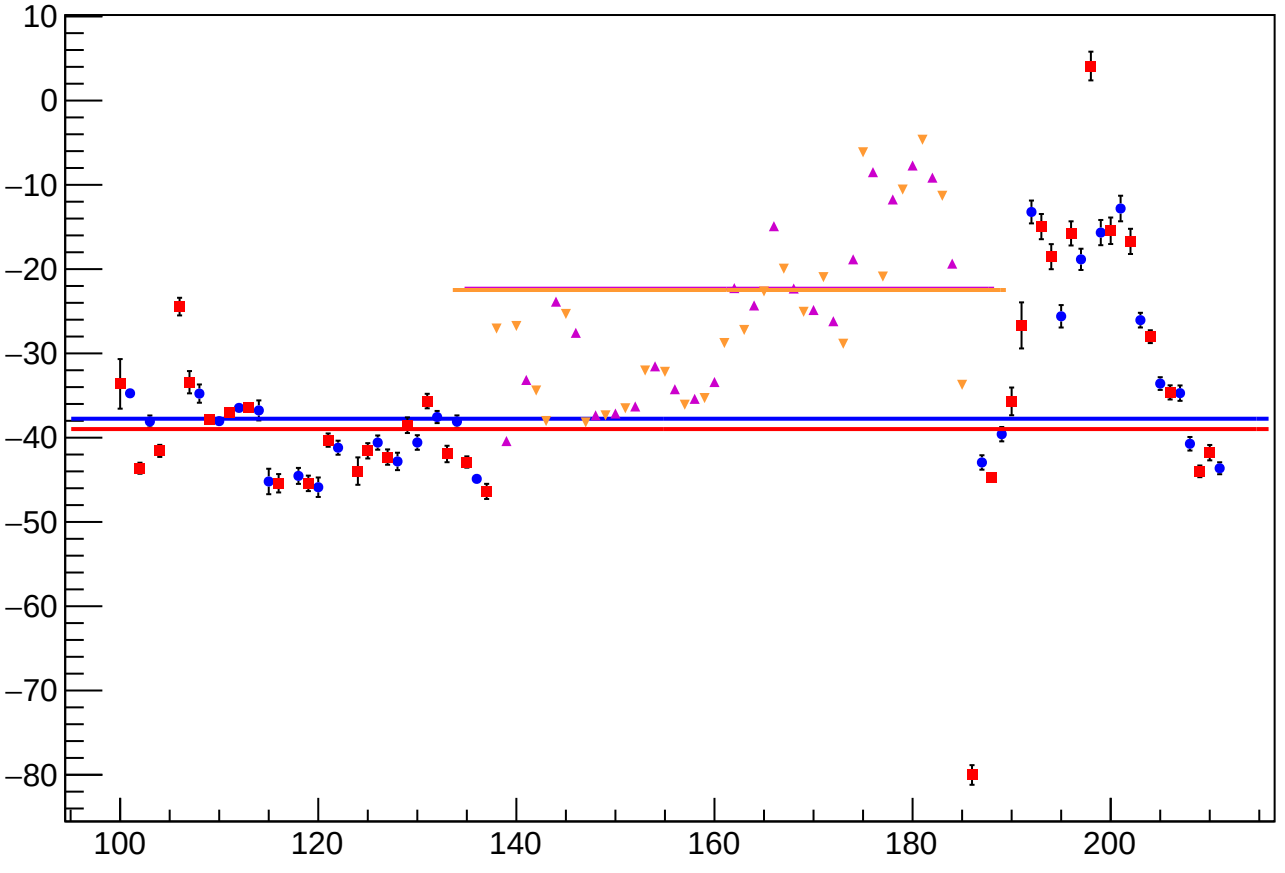
Left In: 3.703+/-0.059 χ^2/NDF:4788.5/22

+ sign 3.691+/-0.054 χ^2/NDF: 8617.4/52

All: 3.566+/-0.039 χ^2/NDF: 15246.6/108

- sign 3.435+/-0.056 χ^2/NDF: 6618.4/55

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs Slug



Right In: -37.751+/-0.151 χ^2/NDF: 1971.4/27

Left Out: -22.478+/-0.075 χ^2/NDF:20417.4/24

Right Out: -38.979+/-0.147 χ^2/NDF: 4100.0/32

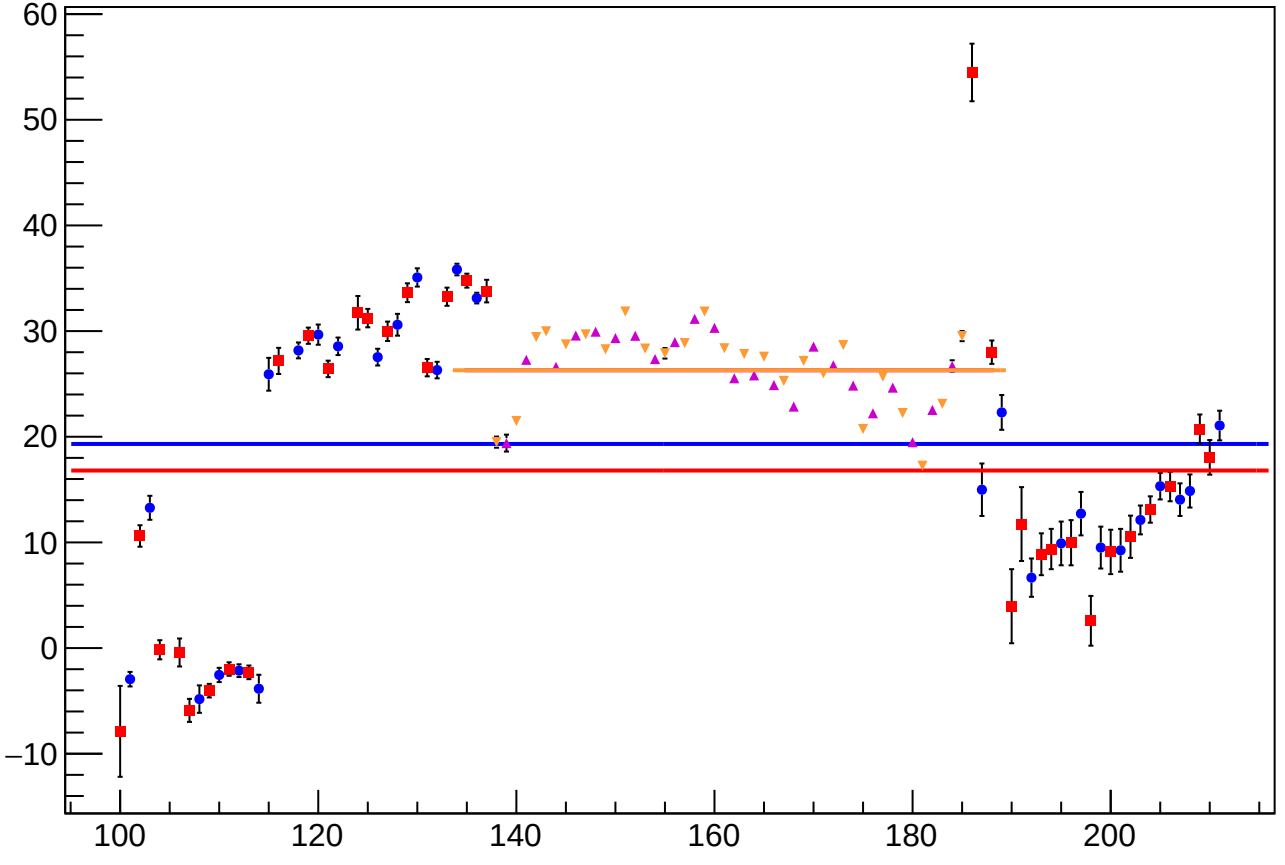
Left In: -22.322+/-0.077 χ^2/NDF:17133.3/22

+ sign -25.492+/-0.067 χ^2/NDF: 30619.9/52

All: -25.680+/-0.048 χ^2/NDF: 61956.4/108

- sign -25.873+/-0.068 χ^2/NDF: 31320.6/55

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs Slug



Right In: 19.318+/-0.181 χ^2/NDF: 6896.6/27

Left Out: 26.296+/-0.065 χ^2/NDF:3307.8/24

Right Out: 16.803+/-0.184 χ^2/NDF: 7167.9/32

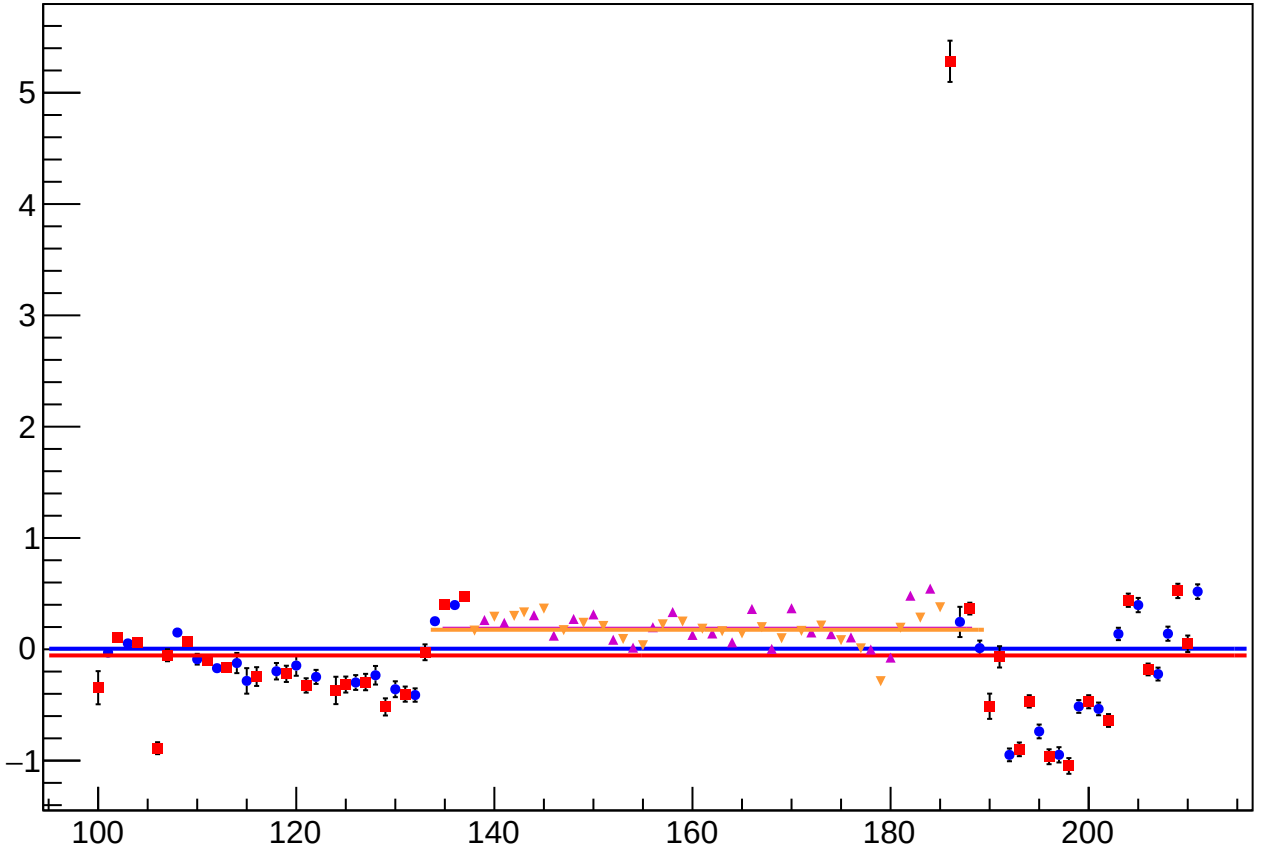
Left In: 26.292+/-0.067 χ^2/NDF:2185.8/22

+ sign 25.493+/-0.061 χ^2/NDF: 11526.5/52

All: 25.344+/-0.044 χ^2/NDF: 23251.8/108

- sign 25.188+/-0.063 χ^2/NDF: 11713.2/55

reg_asym_sam_1357_avg_diff_bpm12X_slope vs Slug



Right In: 0.005+/-0.009 χ^2/NDF: 1539.9/27

Left Out: 0.176+/-0.003 χ^2/NDF:1935.6/24

Right Out: -0.055+/-0.009 χ^2/NDF: 2714.7/32

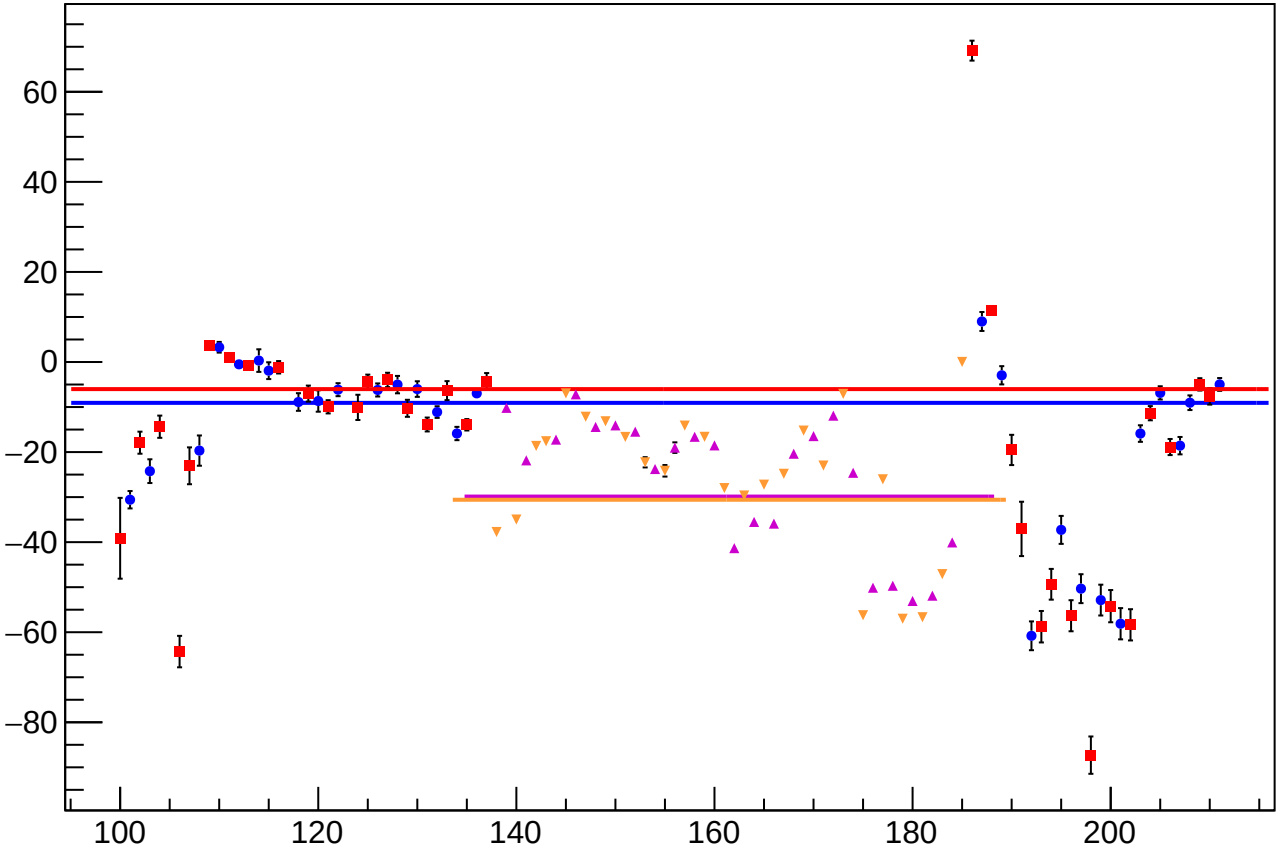
Left In: 0.185+/-0.003 χ^2/NDF:2538.5/22

+ sign 0.160+/-0.003 χ^2/NDF: 3796.7/52

All: 0.161+/-0.002 χ^2/NDF: 9651.6/108

- sign 0.163+/-0.003 χ^2/NDF: 5854.2/55

reg_asym_sam_2468_avg_diff_bpm1X_slope vs Slug



Right In: -9.070+/-0.317 χ^2/NDF: 1429.4/27

Left Out: -30.587+/-0.142 χ^2/NDF:16046.0/24

Right Out: -6.017+/-0.309 χ^2/NDF: 3507.3/32

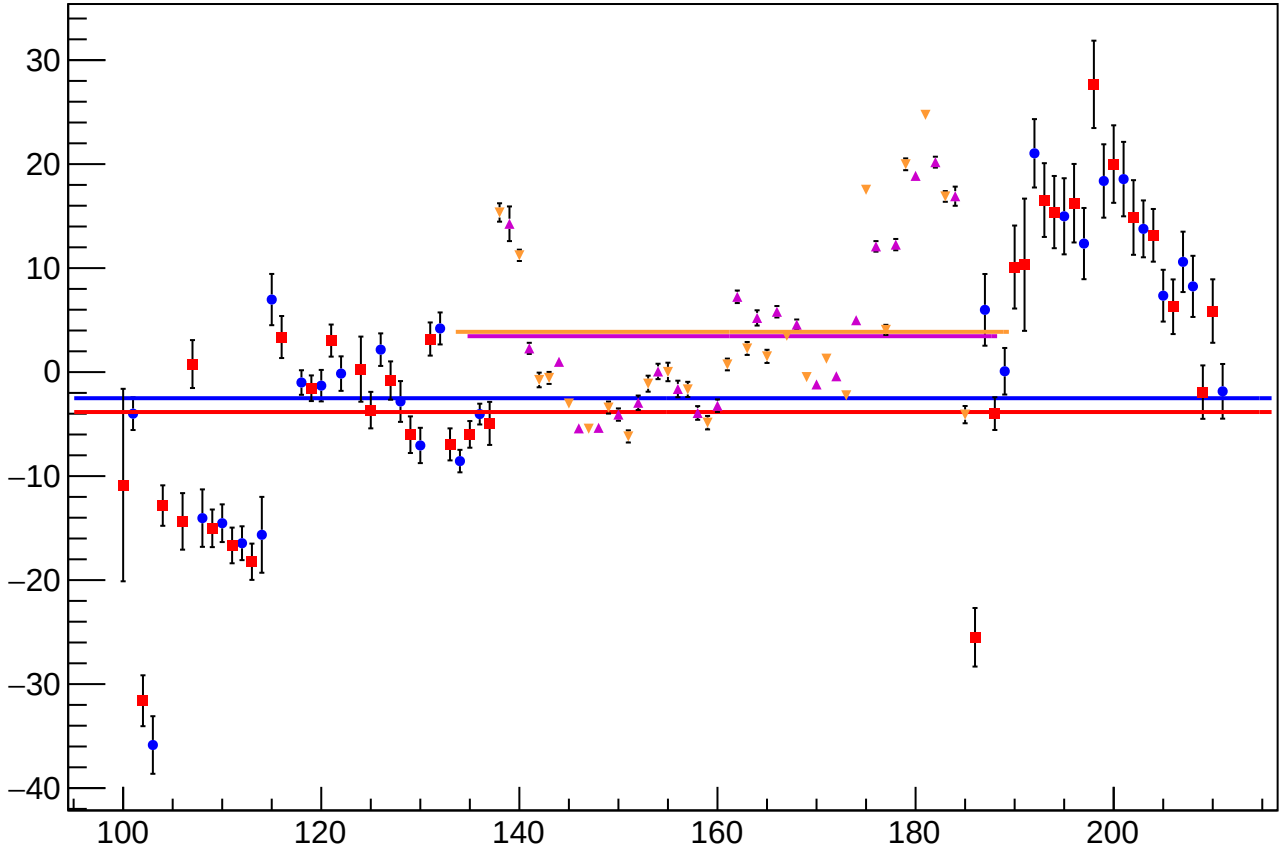
Left In: -29.878+/-0.146 χ^2/NDF:12034.7/22

\+ sign -26.994+/-0.130 χ^2/NDF: 21302.2/52

All: -26.265+/-0.093 χ^2/NDF: 41786.4/108

\- sign -25.507+/-0.132 χ^2/NDF: 20419.8/55

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs Slug



Right In: -2.509+/-0.359 χ^2/NDF: 636.6/27

Left Out: 3.873+/-0.111 χ^2/NDF:6542.0/24

Right Out: -3.838+/-0.368 χ^2/NDF: 763.6/32

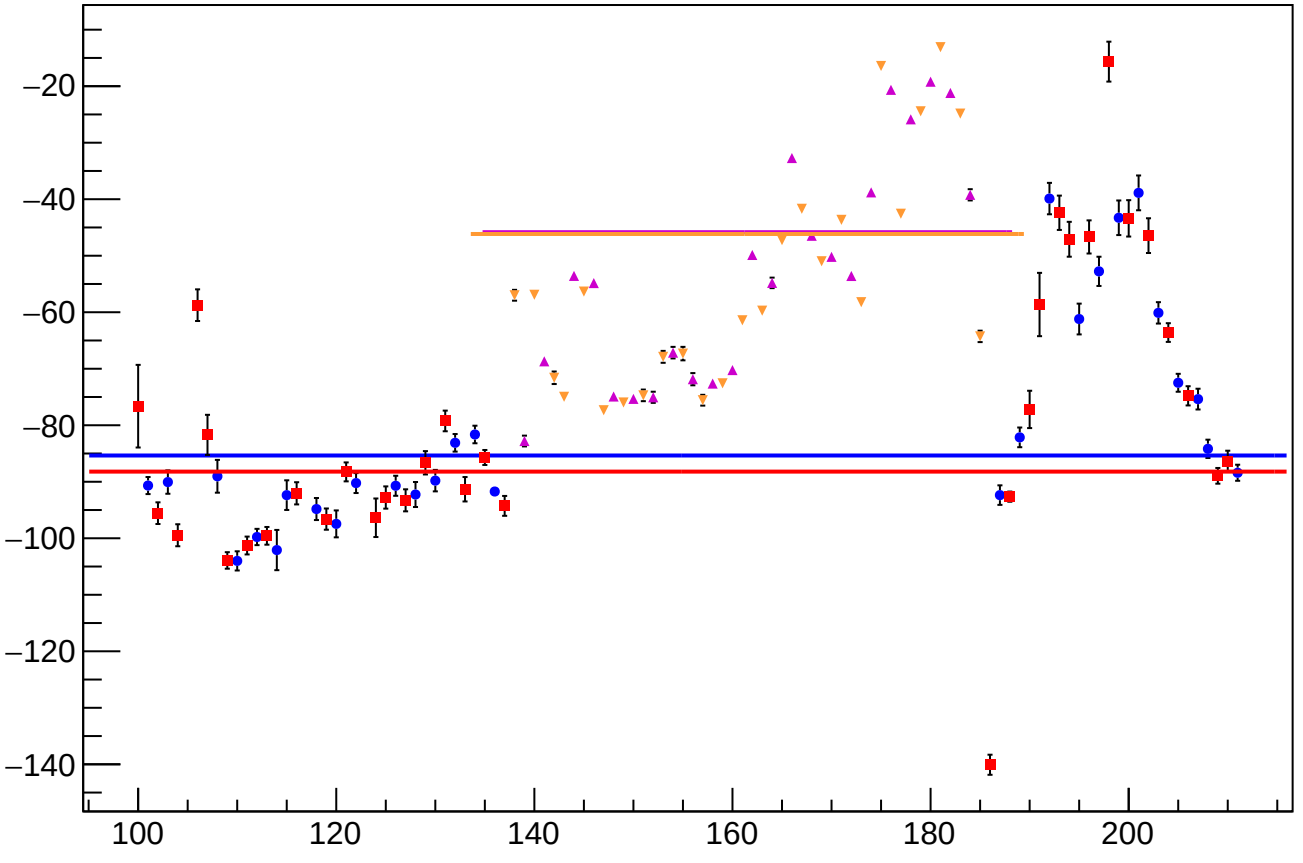
Left In: 3.453+/-0.114 χ^2/NDF:4693.7/22

+ sign 3.314+/-0.106 χ^2/NDF: 7467.3/52

All: 3.072+/-0.076 χ^2/NDF: 13293.5/108

- sign 2.818+/-0.109 χ^2/NDF: 5815.5/55

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs Slug



Right In: -85.352+/-0.339 χ^2/NDF: 1632.1/27

Left Out: -46.153+/-0.142 χ^2/NDF:21455.9/24

Right Out: -88.203+/-0.333 χ^2/NDF: 3090.8/32

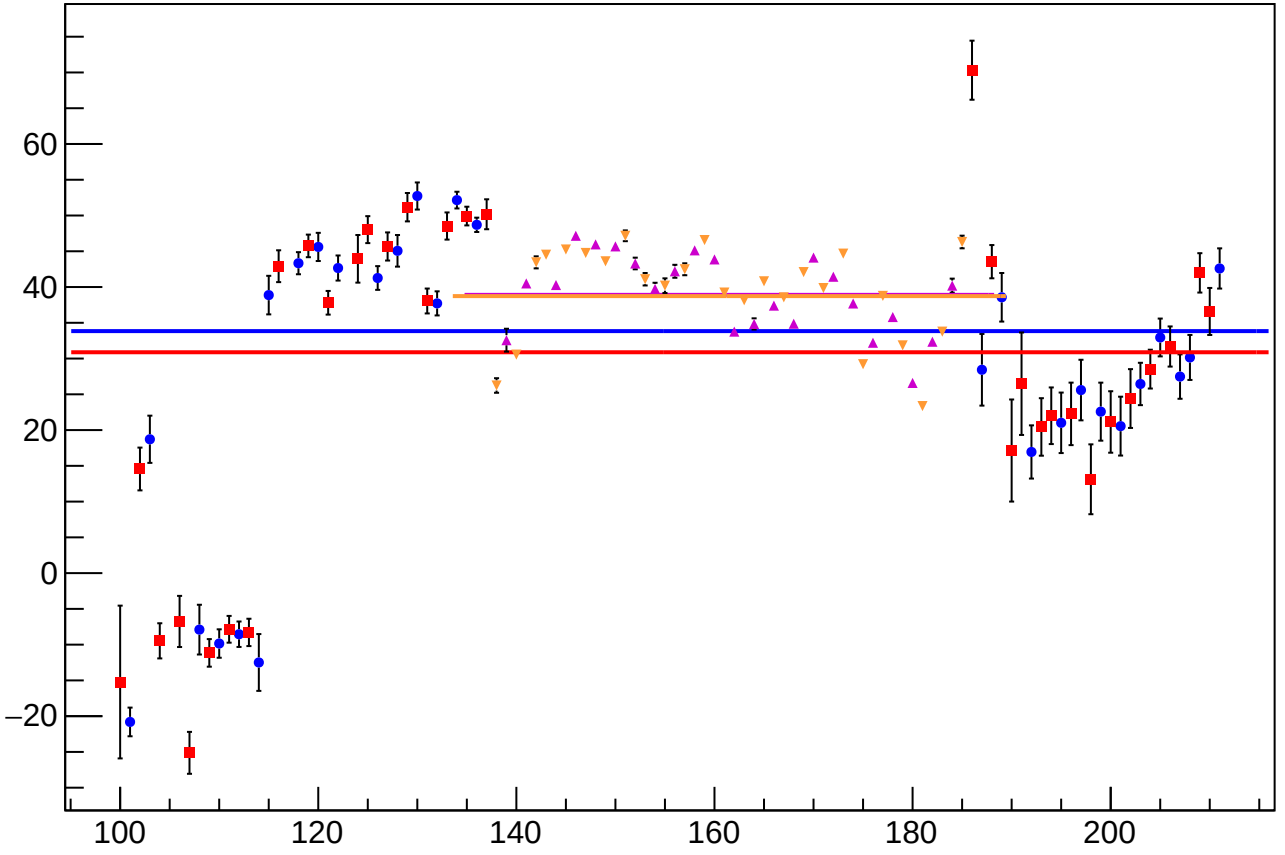
Left In: -45.833+/-0.146 χ^2/NDF:17924.6/22

+ sign -52.032+/-0.131 χ^2/NDF: 34452.1/52

All: -52.338+/-0.094 χ^2/NDF: 69036.7/108

- sign -52.655+/-0.134 χ^2/NDF: 34573.6/55

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs Slug



Right In: 33.837+/-0.404 χ^2/NDF: 2889.6/27

Left Out: 38.730+/-0.125 χ^2/NDF:2781.7/24

Right Out: 30.880+/-0.419 χ^2/NDF: 3094.5/32

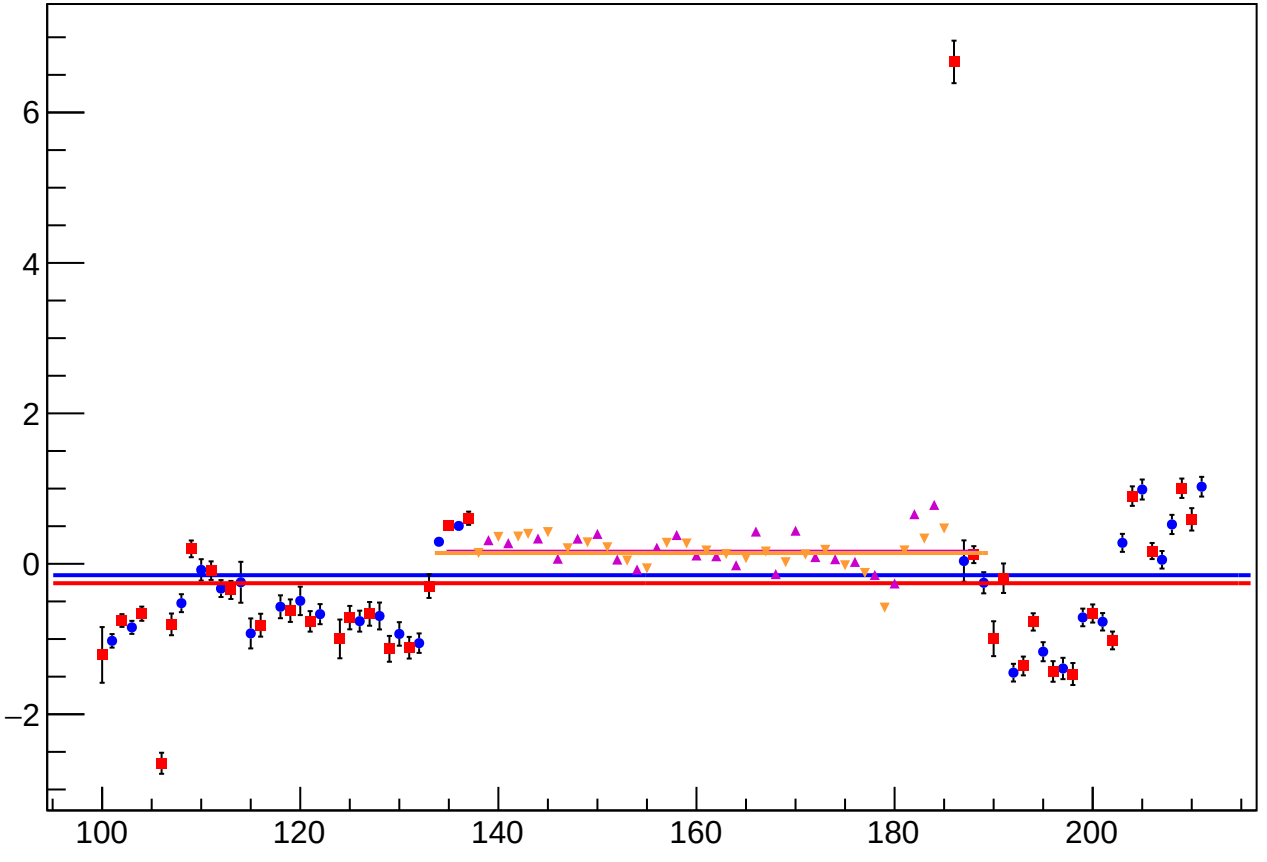
Left In: 38.905+/-0.127 χ^2/NDF:1971.6/22

\+ sign 38.305+/-0.119 χ^2/NDF: 5805.6/52

All: 38.267+/-0.085 χ^2/NDF: 11207.1/108

\- sign 38.226+/-0.122 χ^2/NDF: 5401.3/55

reg_asym_sam_2468_avg_diff_bpm12X_slope vs Slug



Right In: -0.151+/-0.020 χ^2/NDF: 1148.4/27

Left Out: 0.144+/-0.006 χ^2/NDF:1442.8/24

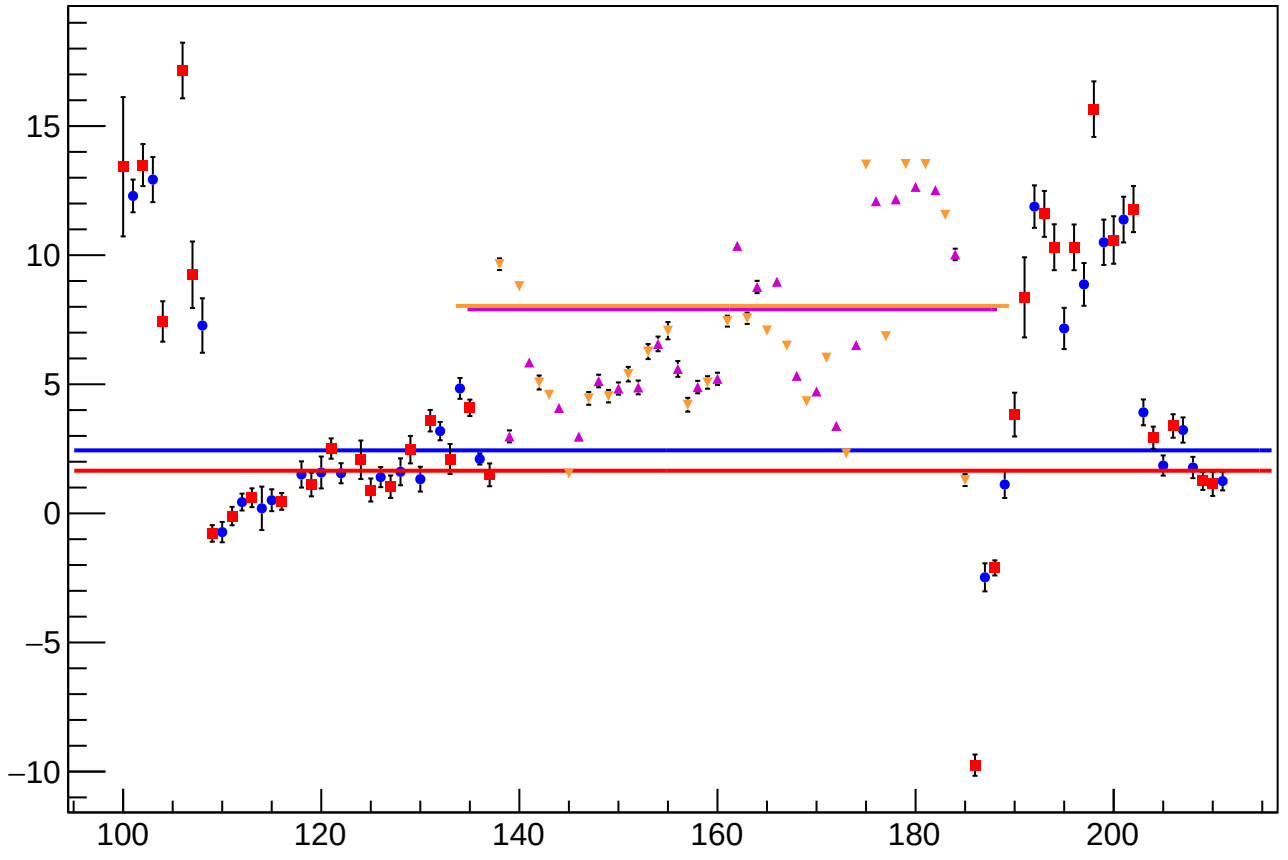
Right Out: -0.258+/-0.021 χ^2/NDF: 1962.0/32

Left In: 0.161+/-0.006 χ^2/NDF:1918.8/22

+ sign 0.123+/-0.005 χ^2/NDF: 2789.2/52

All: 0.128+/-0.004 χ^2/NDF: 7034.1/108

- sign 0.133+/-0.006 χ^2/NDF: 4243.1/55



Right In: 2.440+/-0.087 χ^2/NDF: 1133.8/27

Left Out: 8.034+/-0.035 χ^2/NDF:13924.1/24

Right Out: 1.652+/-0.085 χ^2/NDF: 2411.8/32

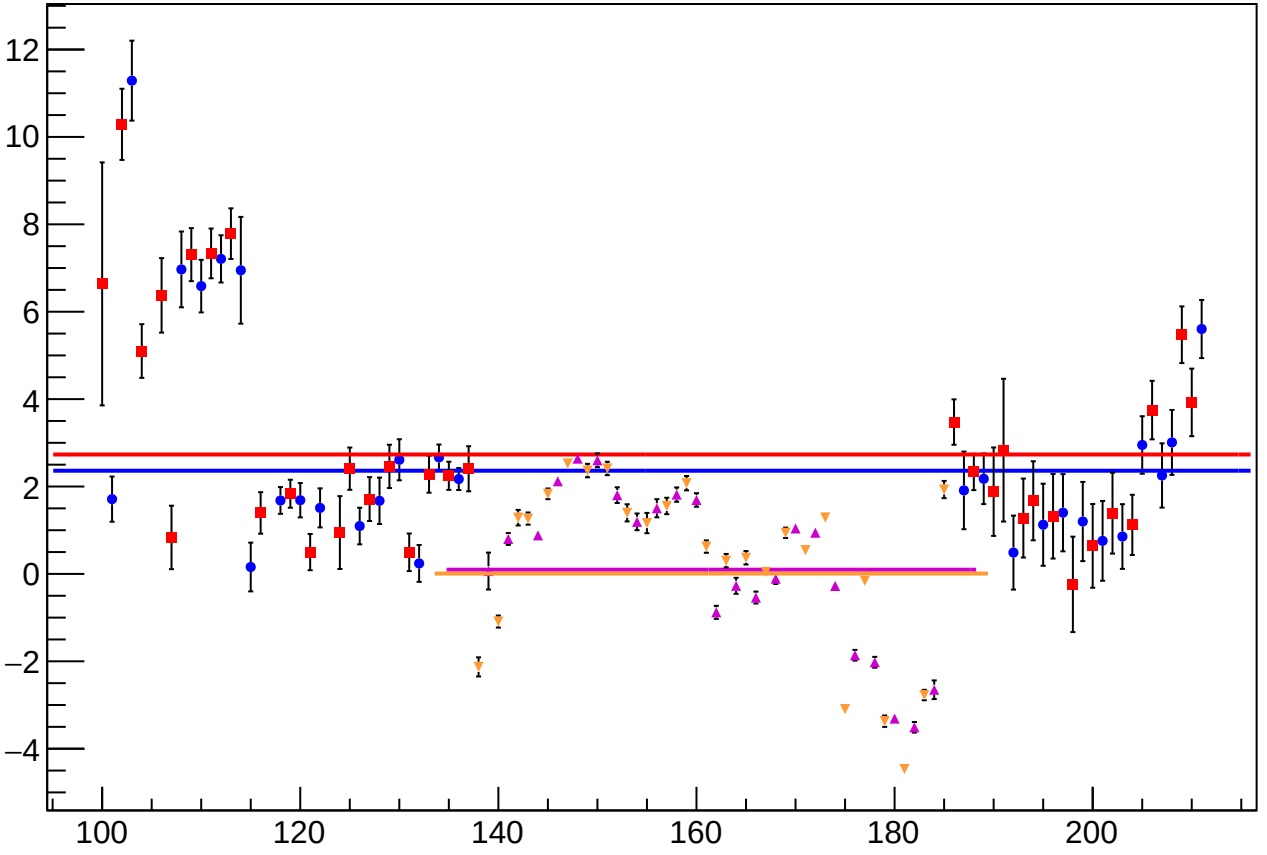
Left In: 7.903+/-0.036 χ^2/NDF:10017.8/22

\+ sign 7.260+/-0.032 χ^2/NDF: 18648.5/52

All: 7.111+/-0.023 χ^2/NDF: 35746.6/108

\- sign 6.955+/-0.033 χ^2/NDF: 17054.2/55

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs Slug



Right In: 2.362+/-0.097 χ^2/NDF: 376.4/27

Left Out: 0.009+/-0.027 χ^2/NDF:5761.2/24

Right Out: 2.733+/-0.100 χ^2/NDF: 463.2/32

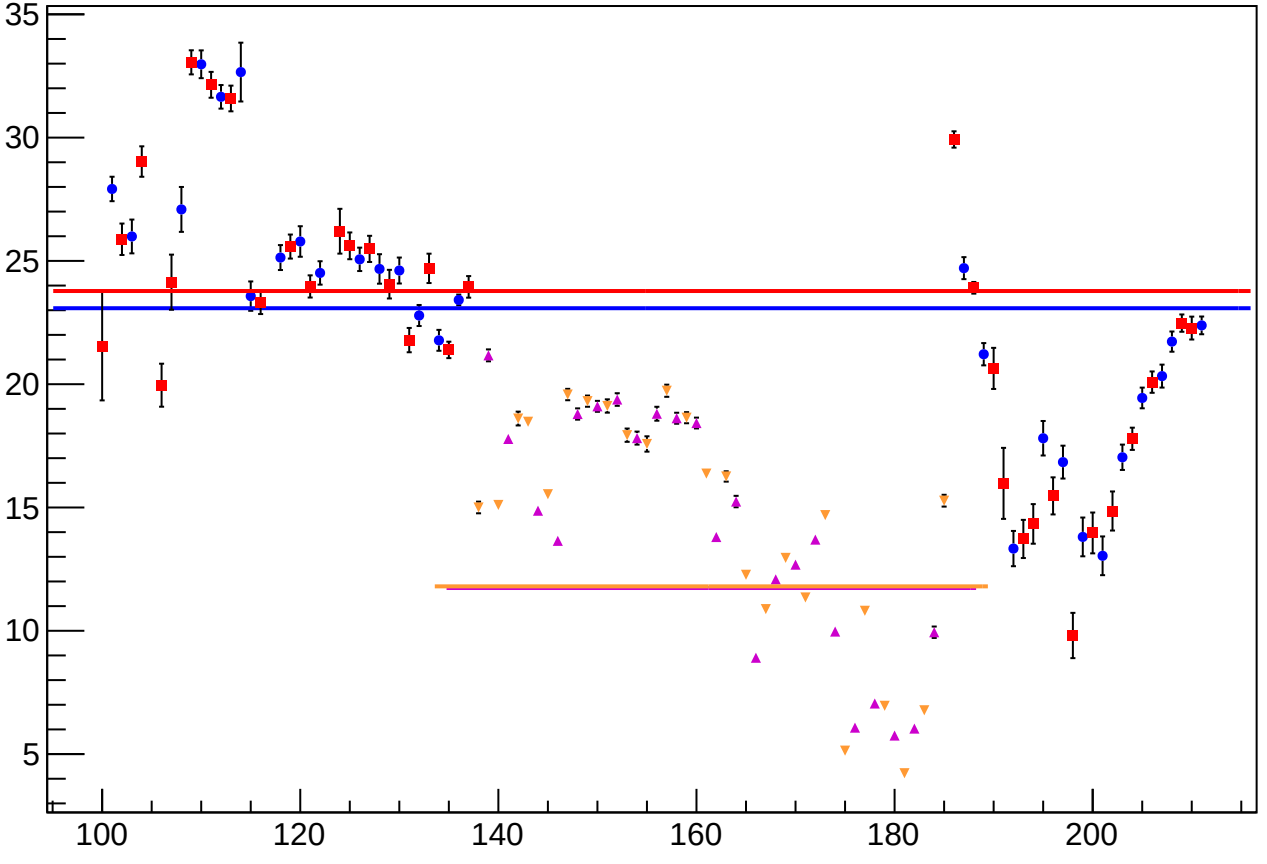
Left In: 0.096+/-0.028 χ^2/NDF:4433.3/22

+ sign 0.183+/-0.026 χ^2/NDF: 6679.6/52

All: 0.235+/-0.019 χ^2/NDF: 12230.2/108

- sign 0.290+/-0.027 χ^2/NDF: 5542.6/55

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs Slug



Right In: 23.081+/-0.091 χ^2/NDF: 1843.1/27

Left Out: 11.802+/-0.035 χ^2/NDF:21479.5/24

Right Out: 23.779+/-0.089 χ^2/NDF: 2646.5/32

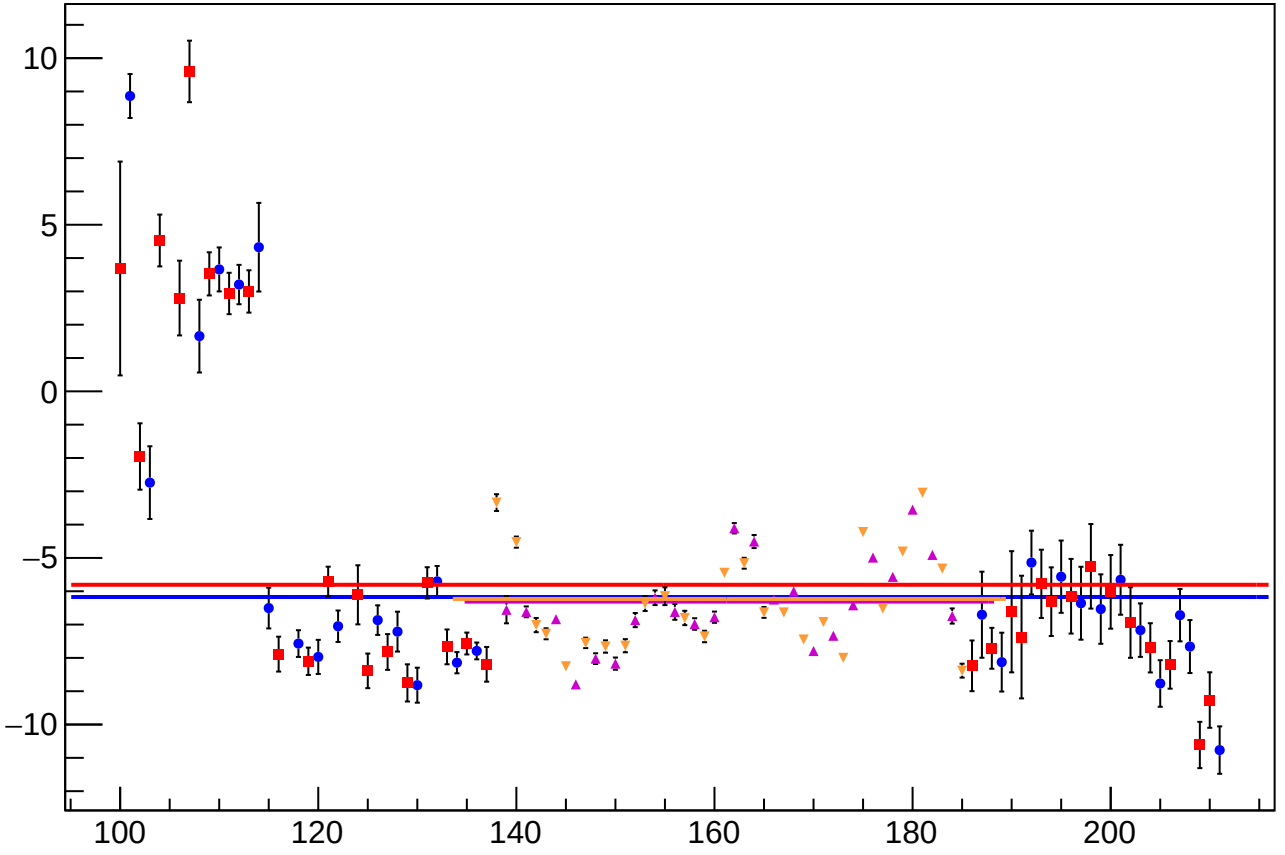
Left In: 11.735+/-0.036 χ^2/NDF:17999.5/22

+ sign 13.232+/-0.033 χ^2/NDF: 36607.4/52

All: 13.320+/-0.023 χ^2/NDF: 73021.0/108

- sign 13.412+/-0.033 χ^2/NDF: 36398.6/55

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs Slug



Right In: -6.173+/-0.109 χ^2/NDF: 1325.4/27

Left Out: -6.231+/-0.031 χ^2/NDF:2450.1/24

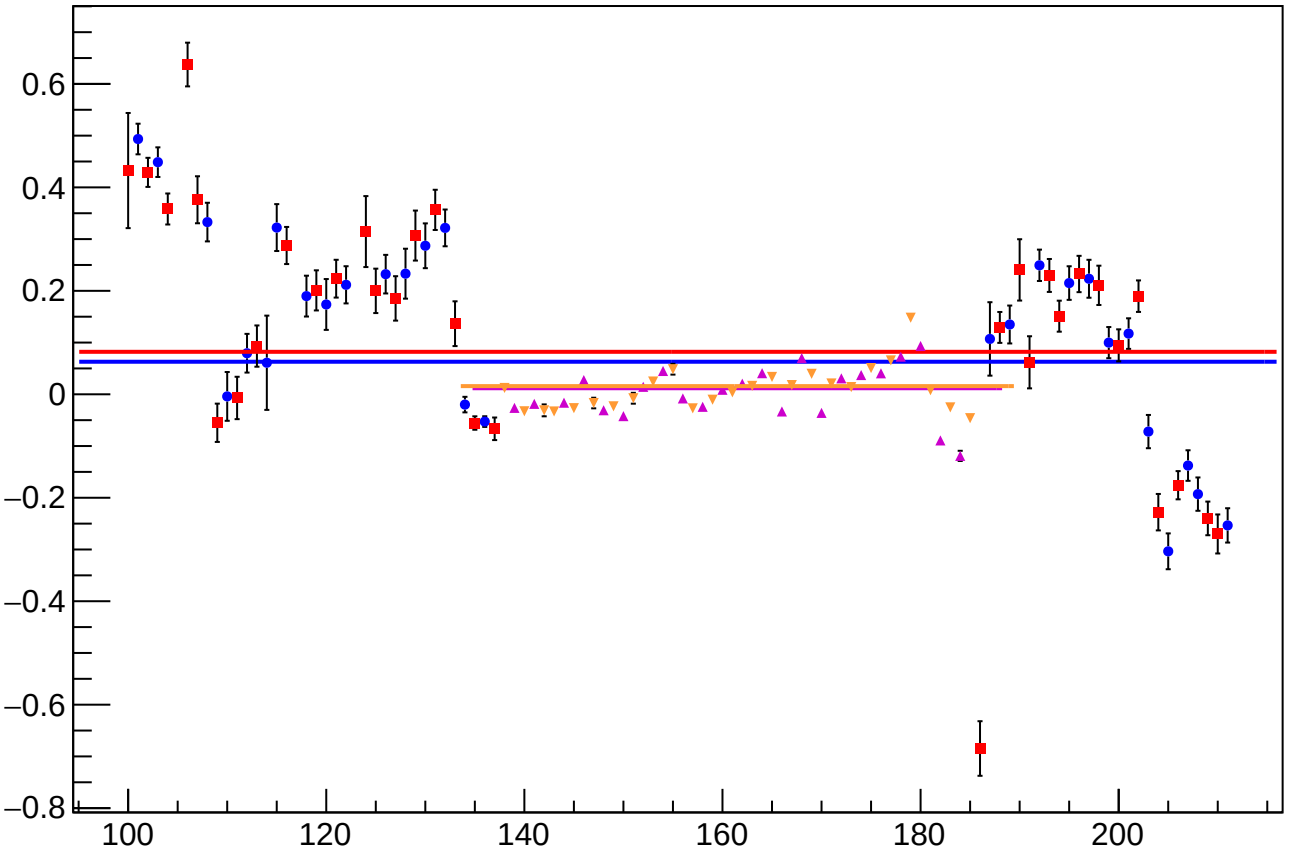
Right Out: -5.805+/-0.114 χ^2/NDF: 1417.7/32

Left In: -6.311+/-0.031 χ^2/NDF:2030.2/22

+ sign -6.226+/-0.030 χ^2/NDF: 3775.7/52

All: -6.250+/-0.021 χ^2/NDF: 7243.2/108

- sign -6.275+/-0.030 χ^2/NDF: 3466.1/55



Right In: 0.063+/-0.005 χ^2/NDF: 1199.8/27

Left Out: 0.016+/-0.001 χ^2/NDF:933.4/24

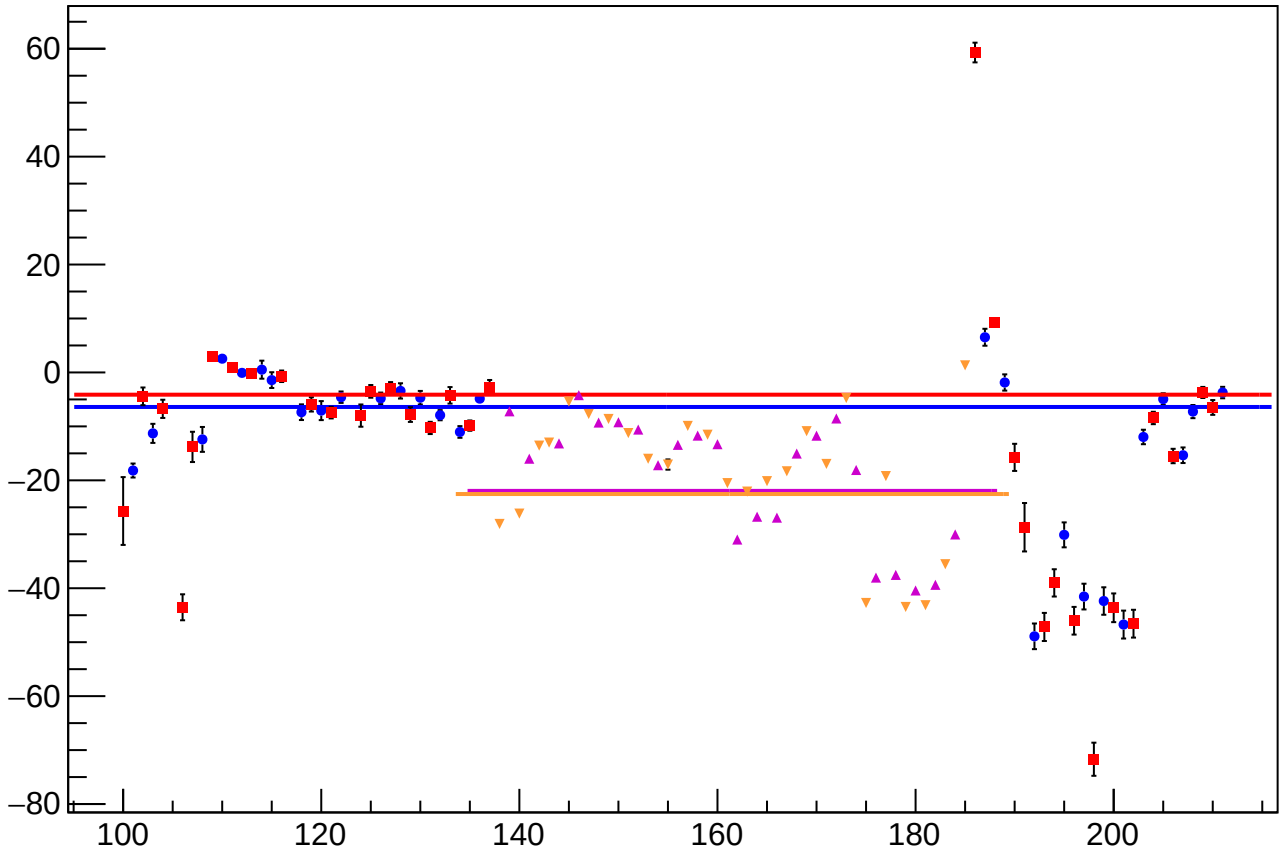
Right Out: 0.082+/-0.006 χ^2/NDF: 1436.6/32

Left In: 0.012+/-0.001 χ^2/NDF:1297.5/22

+ sign 0.019+/-0.001 χ^2/NDF: 2203.8/52

All: 0.017+/-0.001 χ^2/NDF: 5082.1/108

- sign 0.016+/-0.001 χ^2/NDF: 2875.9/55



Right In: -6.401+/-0.229 χ^2/NDF: 1609.3/27

Left Out: -22.538+/-0.108 χ^2/NDF:16540.6/24

Right Out: -4.124+/-0.222 χ^2/NDF: 3910.5/32

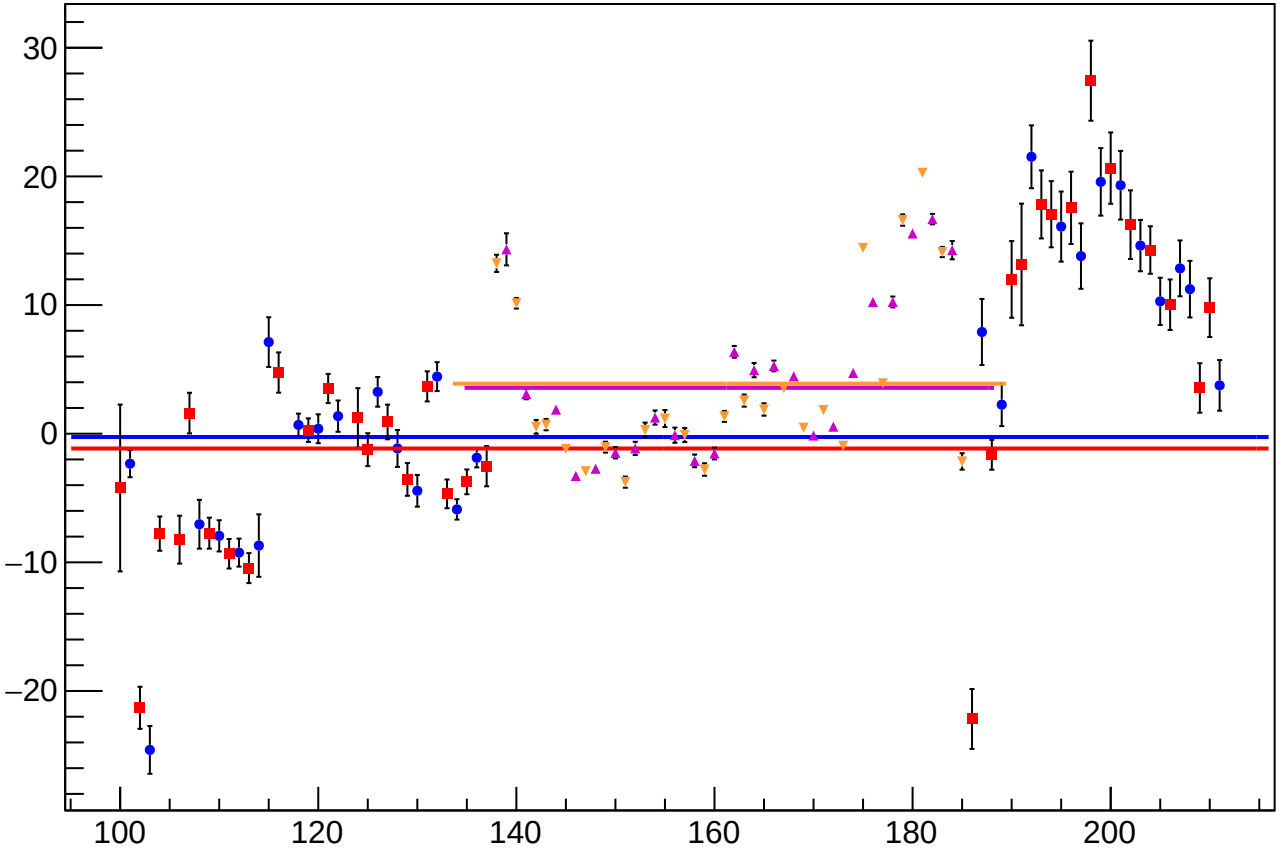
Left In: -21.957+/-0.111 χ^2/NDF:12585.3/22

+ sign -19.604+/-0.098 χ^2/NDF: 22201.1/52

All: -18.999+/-0.070 χ^2/NDF: 43943.8/108

- sign -18.375+/-0.099 χ^2/NDF: 21665.0/55

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs Slug



Right In: -0.259+/-0.261 χ^2/NDF: 845.7/27

Left Out: 3.891+/-0.084 χ^2/NDF:6724.1/24

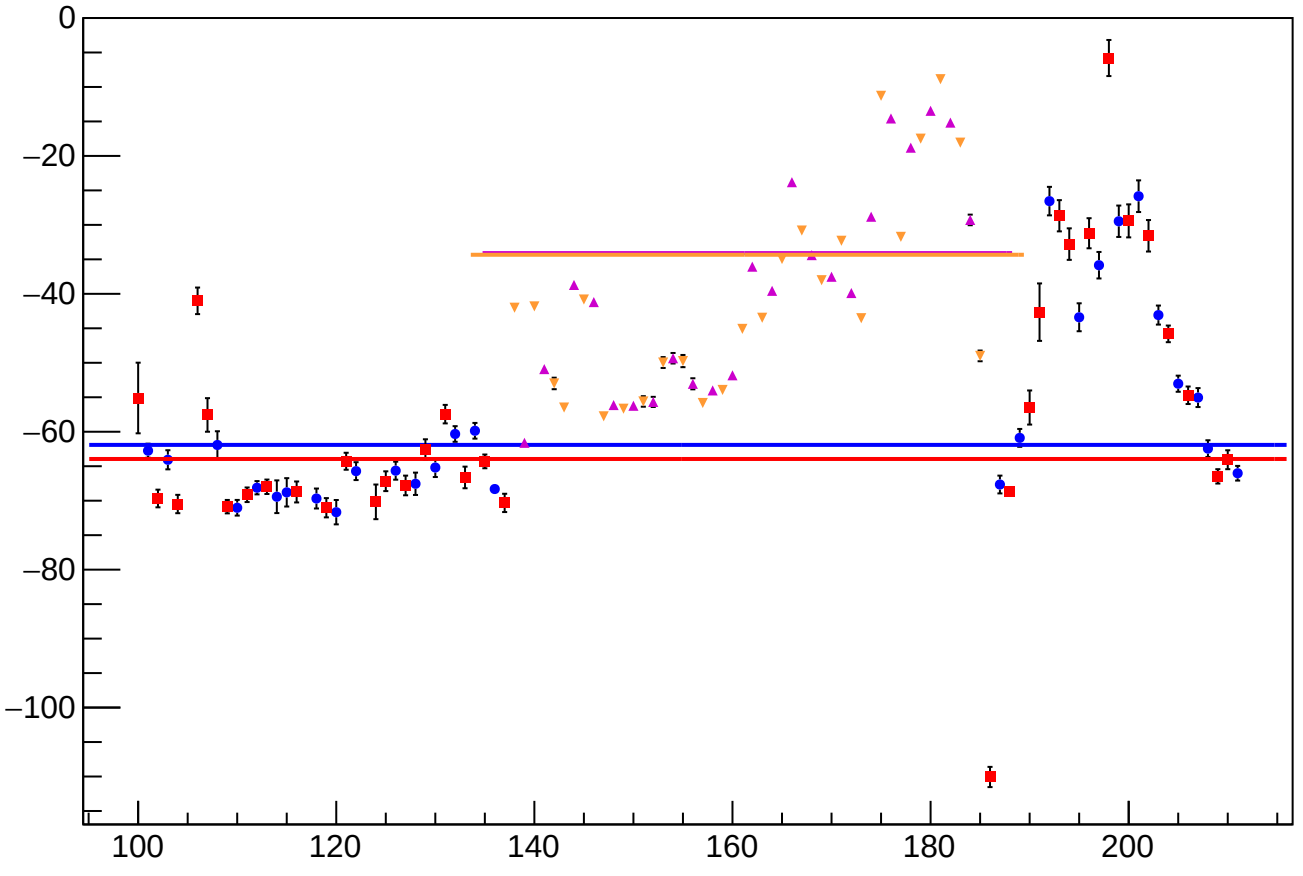
Right Out: -1.151+/-0.266 χ^2/NDF: 990.4/32

Left In: 3.565+/-0.086 χ^2/NDF:4739.4/22

+ sign 3.498+/-0.080 χ^2/NDF: 7799.5/52

All: 3.313+/-0.057 χ^2/NDF: 13824.1/108

- sign 3.118+/-0.082 χ^2/NDF: 6013.6/55



Right In: -61.907+/-0.246 χ^2/NDF: 1639.2/27

Left Out: -34.334+/-0.108 χ^2/NDF:21200.8/24

Right Out: -63.950+/-0.242 χ^2/NDF: 3306.9/32

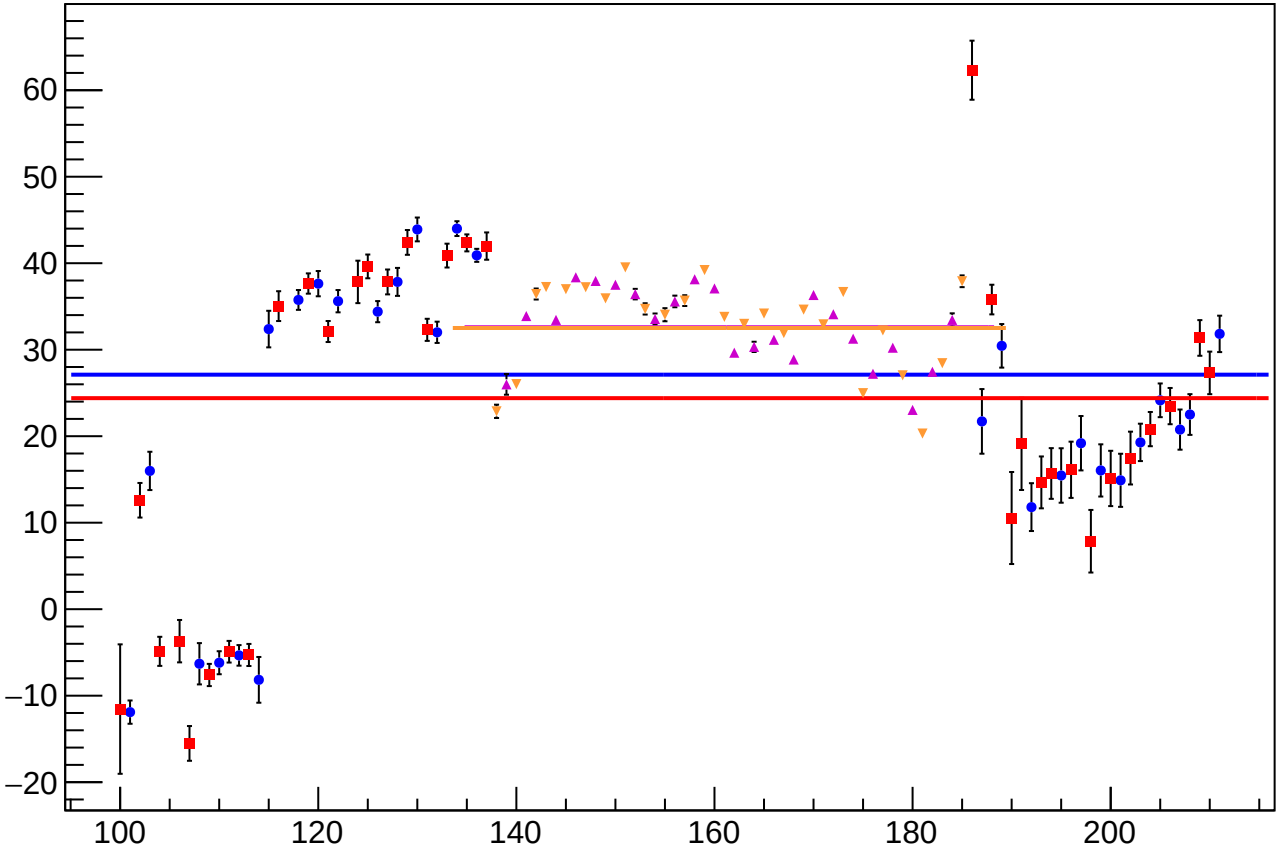
Left In: -34.091+/-0.111 χ^2/NDF:17726.5/22

+ sign -38.798+/-0.099 χ^2/NDF: 33340.1/52

All: -39.033+/-0.071 χ^2/NDF: 66963.7/108

- sign -39.277+/-0.101 χ^2/NDF: 33612.1/55

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs Slug



Right In: 27.113+/-0.293 χ^2/NDF: 3853.1/27

Left Out: 32.511+/-0.095 χ^2/NDF:2938.0/24

Right Out: 24.399+/-0.303 χ^2/NDF: 4093.9/32

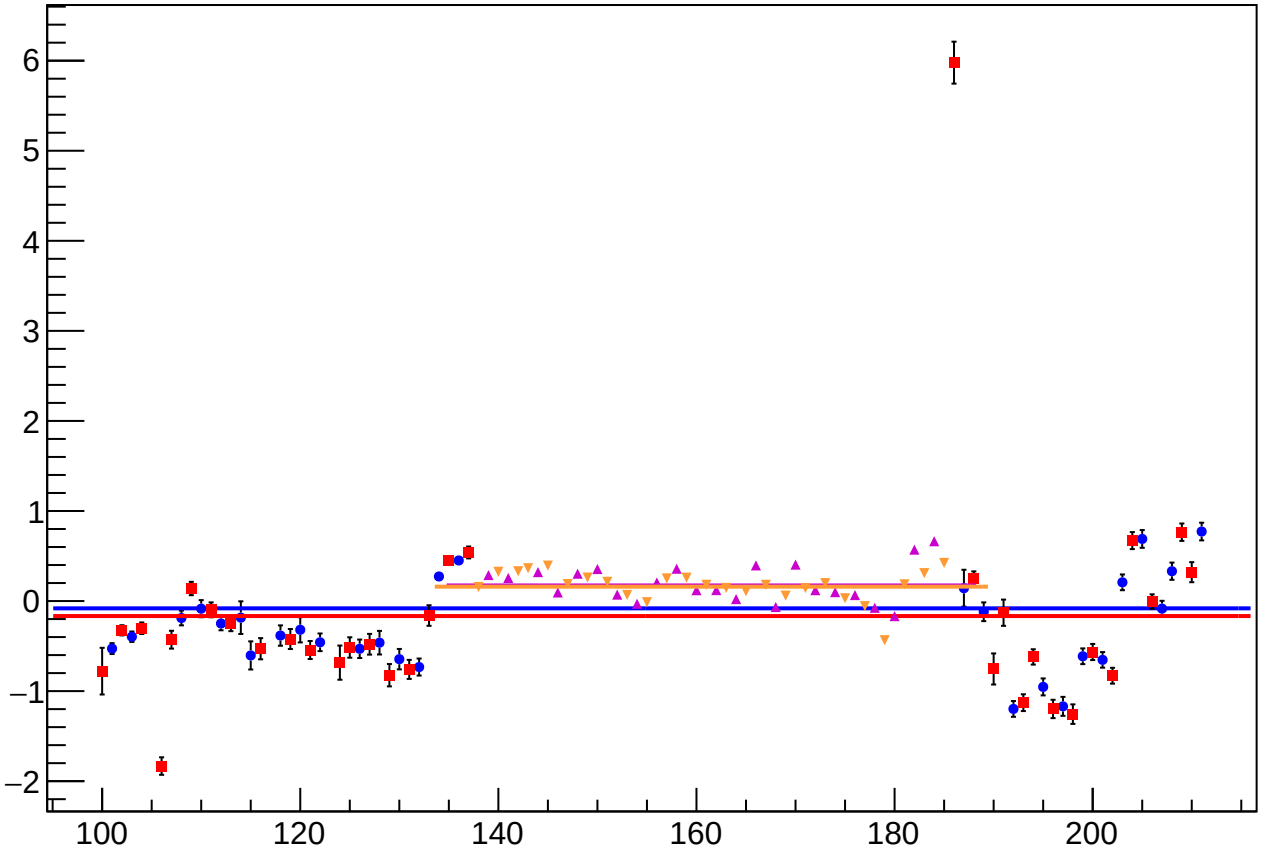
Left In: 32.598+/-0.097 χ^2/NDF:2012.9/22

+ sign 32.003+/-0.090 χ^2/NDF: 7097.6/52

All: 31.924+/-0.064 χ^2/NDF: 13868.9/108

- sign 31.841+/-0.092 χ^2/NDF: 6769.7/55

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs Slug



Right In: -0.081+/-0.015 χ^2/NDF: 1208.1/27

Left Out: 0.160+/-0.004 χ^2/NDF:1613.0/24

Right Out: -0.167+/-0.015 χ^2/NDF: 2163.3/32

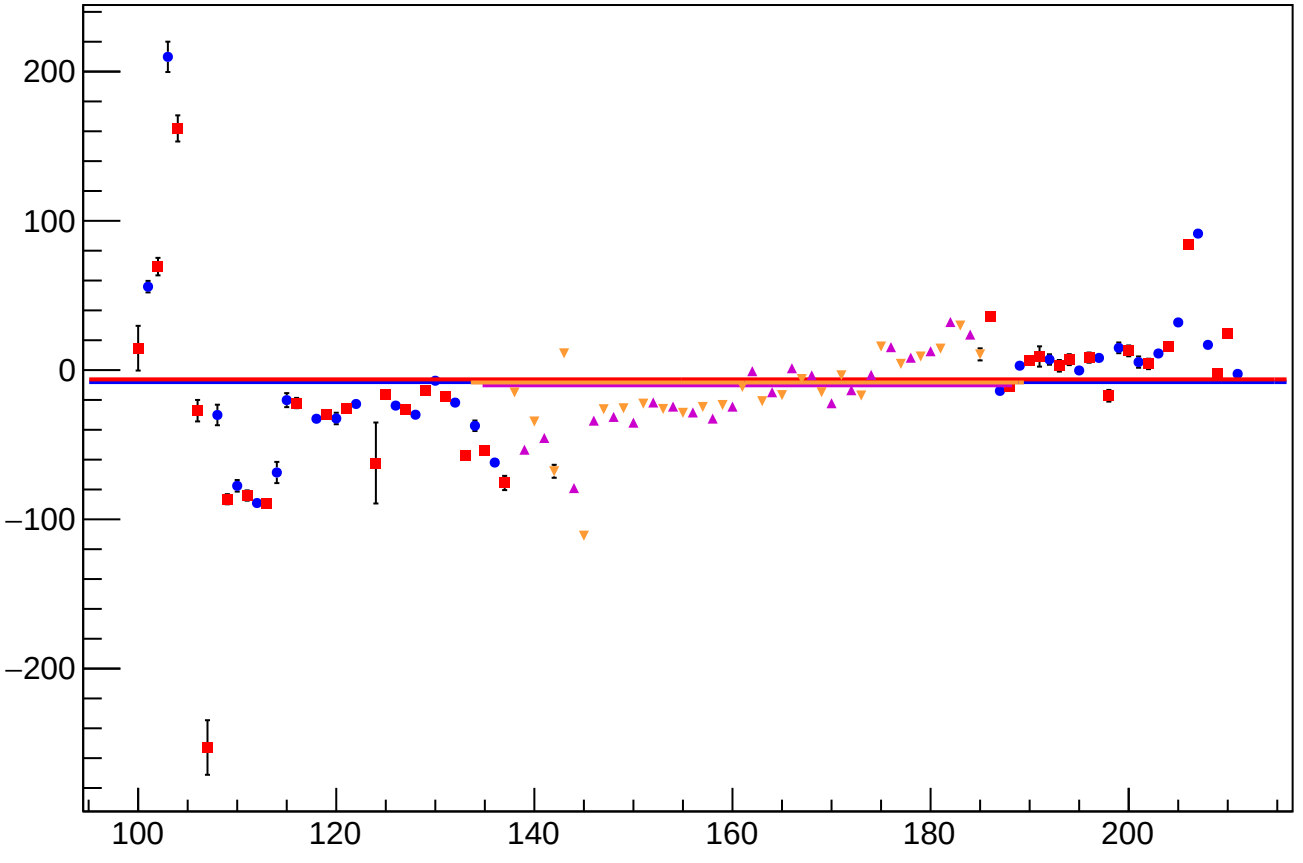
Left In: 0.173+/-0.004 χ^2/NDF:2129.7/22

+ sign 0.141+/-0.004 χ^2/NDF: 3068.4/52

All: 0.145+/-0.003 χ^2/NDF: 7813.6/108

- sign 0.148+/-0.004 χ^2/NDF: 4743.7/55

reg_asym_atl1_diff_bpm1X_slope vs Slug



Right In: -8.027+/-0.567 χ^2/NDF: 4438.2/27

Left Out: -8.298+/-0.514 χ^2/NDF:2559.6/24

Right Out: -6.221+/-0.515 χ^2/NDF: 5601.3/32

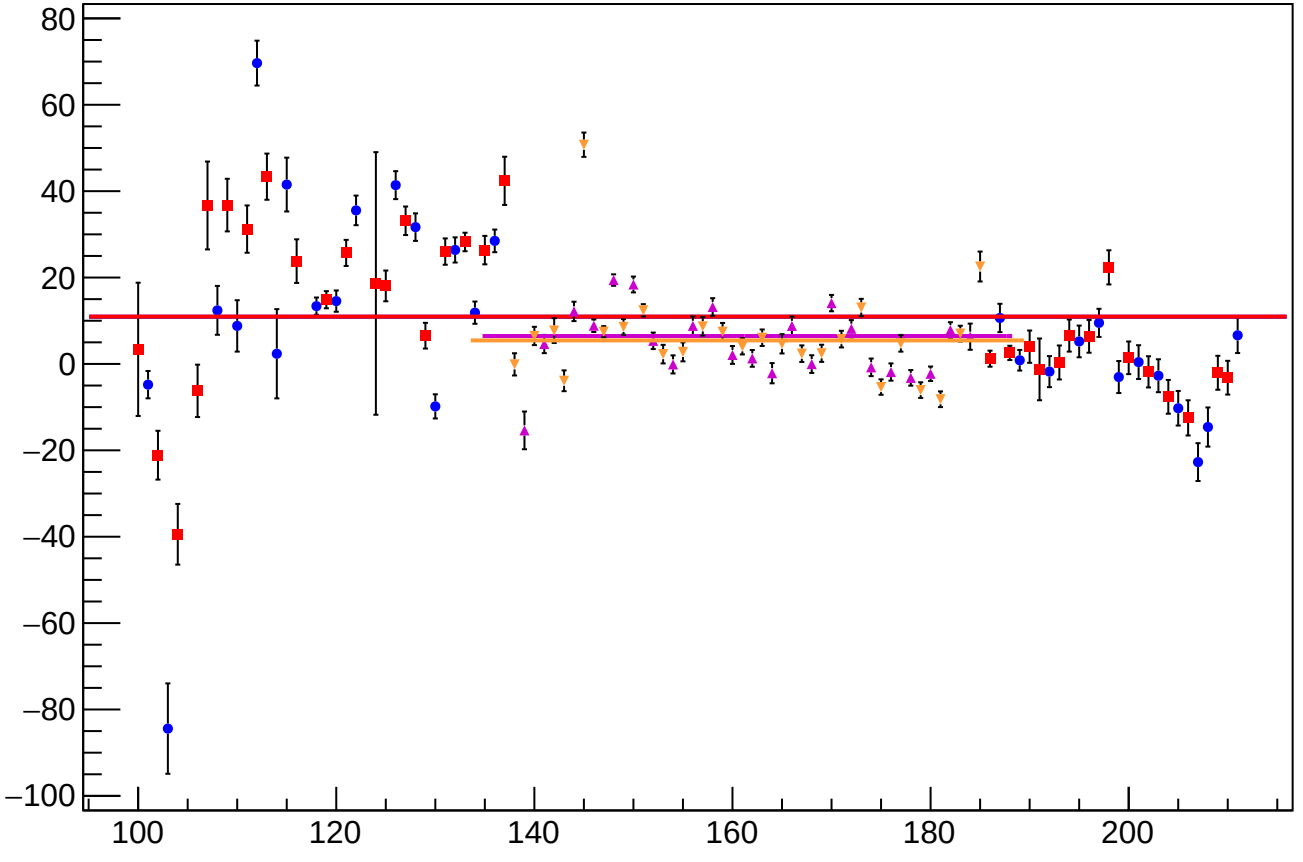
Left In: -10.183+/-0.526 χ^2/NDF:2518.4/22

+ sign -8.176+/-0.381 χ^2/NDF: 6997.9/52

All: -8.168+/-0.265 χ^2/NDF: 15146.5/108

- sign -8.160+/-0.368 χ^2/NDF: 8148.6/55

reg_asym_atl1_diff_bpm4aY_slope vs Slug



Right In: 10.927+/-0.643 χ^2/NDF: 762.0/27

Left Out: 5.445+/-0.394 χ^2/NDF:493.7/24

Right Out: 10.954+/-0.603 χ^2/NDF: 572.1/32

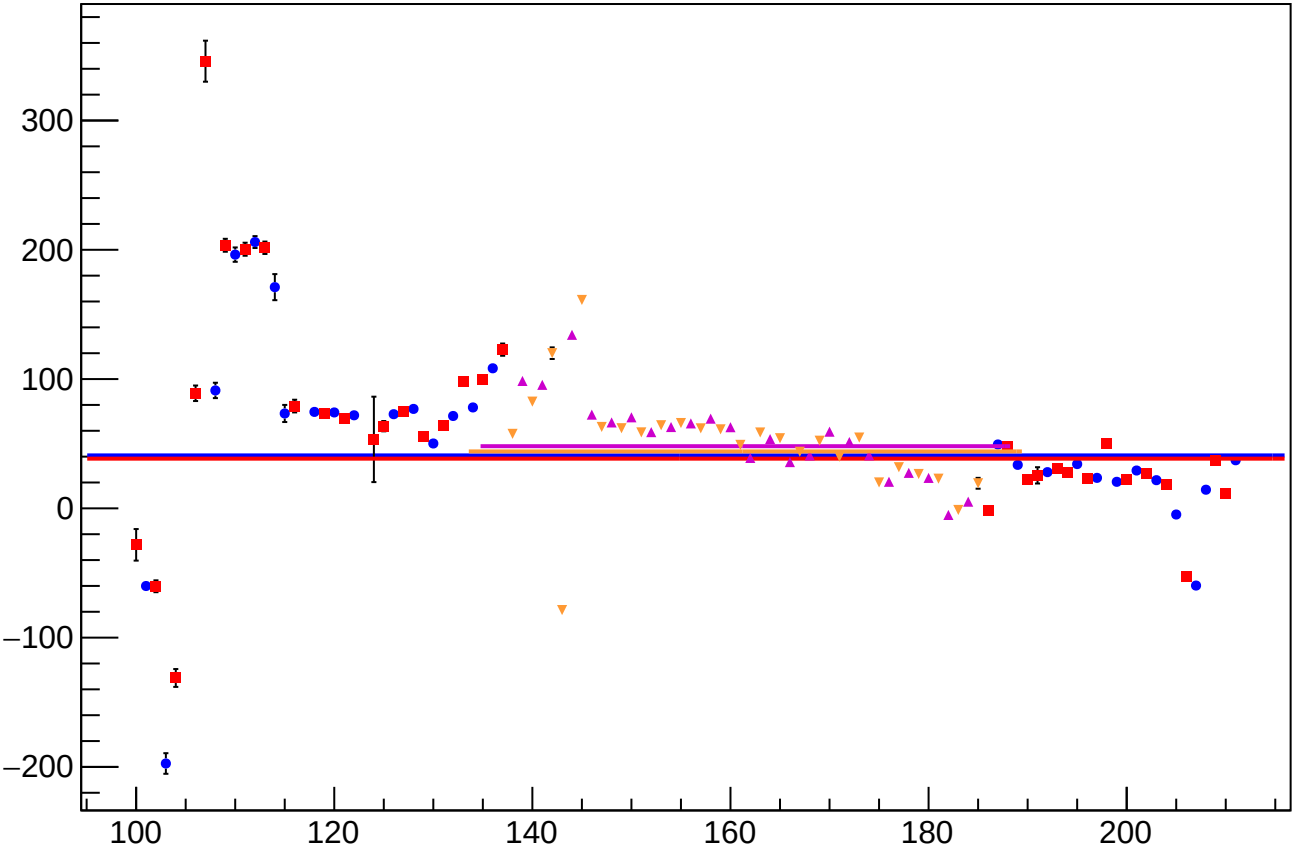
Left In: 6.461+/-0.408 χ^2/NDF:336.0/22

+ sign 6.943+/-0.336 χ^2/NDF: 1308.6/52

All: 7.404+/-0.238 χ^2/NDF: 2258.4/108

- sign 7.871+/-0.338 χ^2/NDF: 946.1/55

reg_asym_atl1_diff_bpm4eX_slope vs Slug



Right In: 40.957+/-0.558 χ^2/NDF: 7865.2/27

Left Out: 44.040+/-0.510 χ^2/NDF:4563.8/24

Right Out: 38.444+/-0.486 χ^2/NDF: 9122.8/32

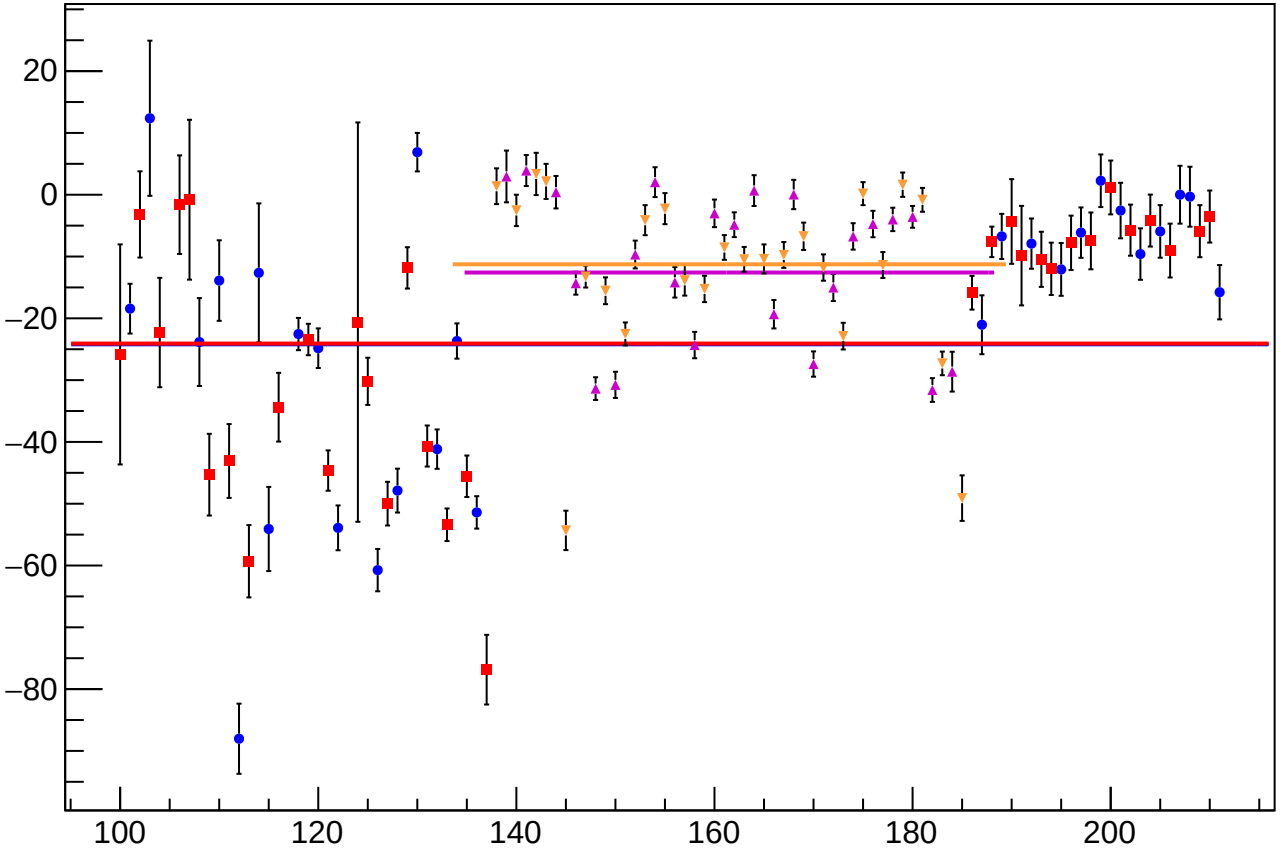
Left In: 48.076+/-0.521 χ^2/NDF:3376.5/22

+ sign 42.638+/-0.376 χ^2/NDF: 12445.6/52

All: 42.788+/-0.258 χ^2/NDF: 25128.0/108

- sign 42.923+/-0.355 χ^2/NDF: 12682.1/55

reg_asym_atl1_diff_bpm4eY_slope vs Slug



Right In: -24.202+/-0.750 χ^2/NDF: 835.3/27

Left Out: -11.260+/-0.445 χ^2/NDF:643.3/24

Right Out: -24.082+/-0.728 χ^2/NDF: 706.1/32

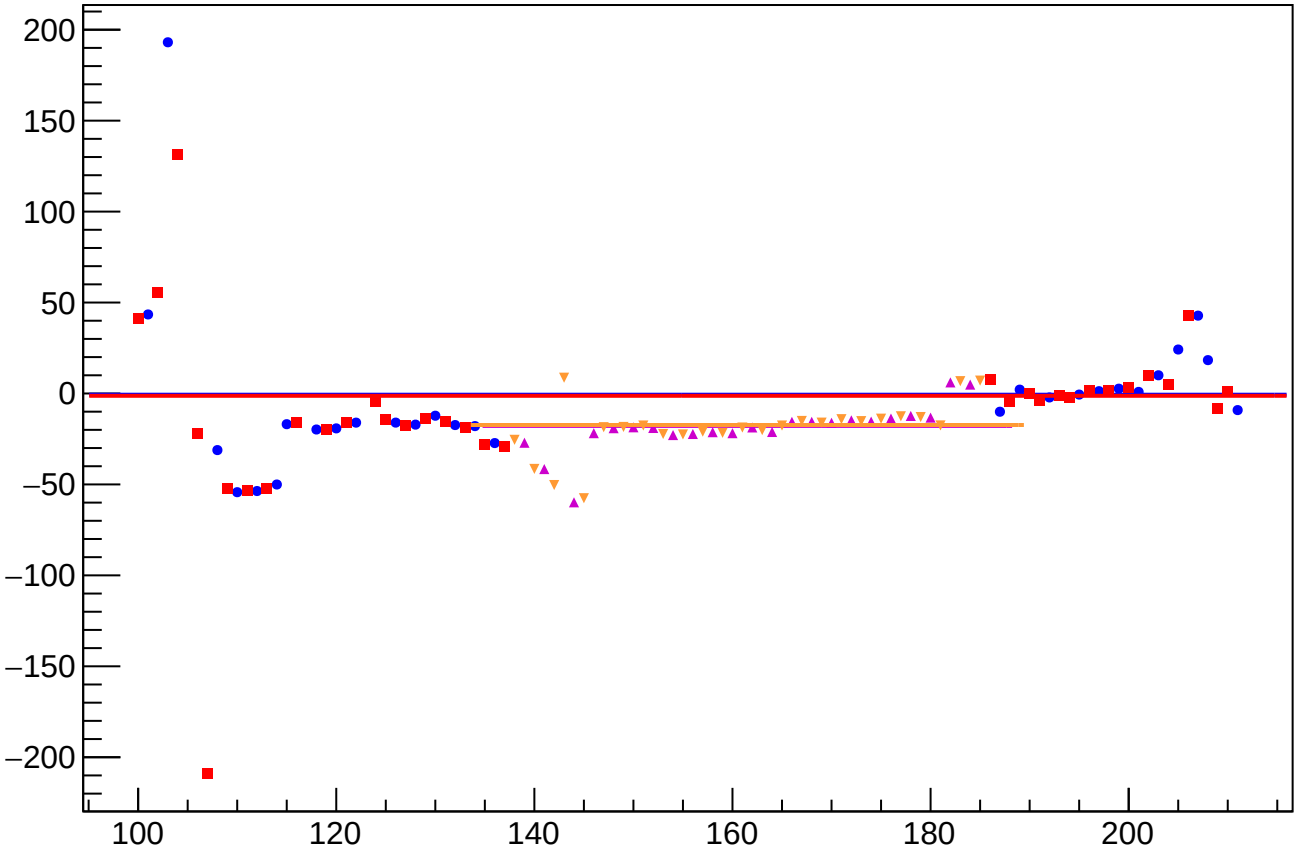
Left In: -12.589+/-0.459 χ^2/NDF:671.8/22

+ sign -14.629+/-0.383 χ^2/NDF: 1698.9/52

All: -15.234+/-0.273 χ^2/NDF: 3260.2/108

- sign -15.856+/-0.388 χ^2/NDF: 1556.3/55

reg_asym_atl1_diff_bpm12X_slope vs Slug



Right In: -0.683+/-0.035 χ^2/NDF: 645062.6/27

Left Out: -17.330+/-0.020 χ^2/NDF:347790.9/24

Right Out: -1.269+/-0.034 χ^2/NDF: 571366.9/32

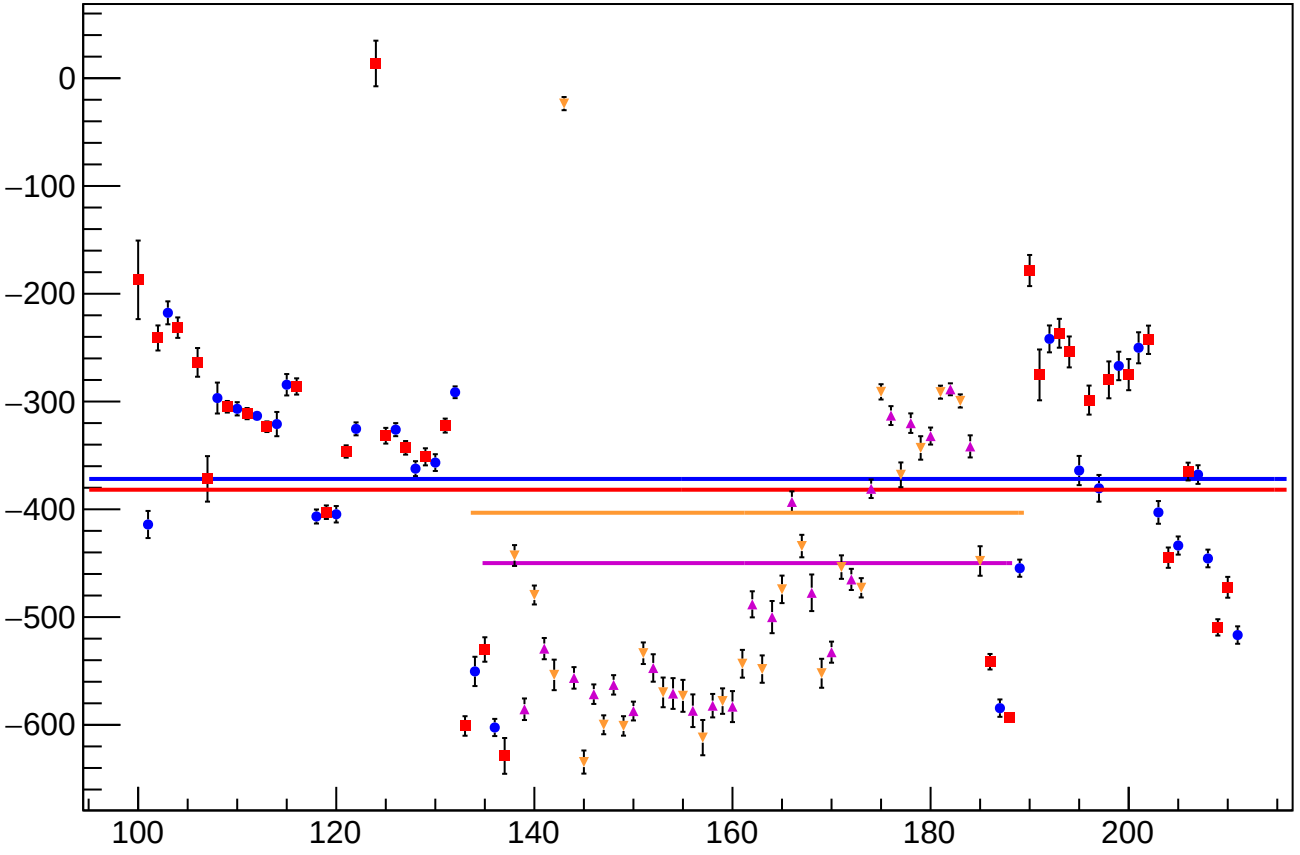
Left In: -17.829+/-0.020 χ^2/NDF:267426.0/22

+ sign -13.268+/-0.017 χ^2/NDF: 1162490.8/52

All: -13.376+/-0.012 χ^2/NDF: 2176096.6/108

- sign -13.485+/-0.017 χ^2/NDF: 1013527.7/55

reg_asym_atl2_diff_bpm1X_slope vs Slug



Right In: -371.827+/-1.530 χ^2/NDF: 3532.6/27

Left Out: -403.195+/-1.928 χ^2/NDF:7750.3/24

Right Out: -381.835+/-1.433 χ^2/NDF: 6744.2/32

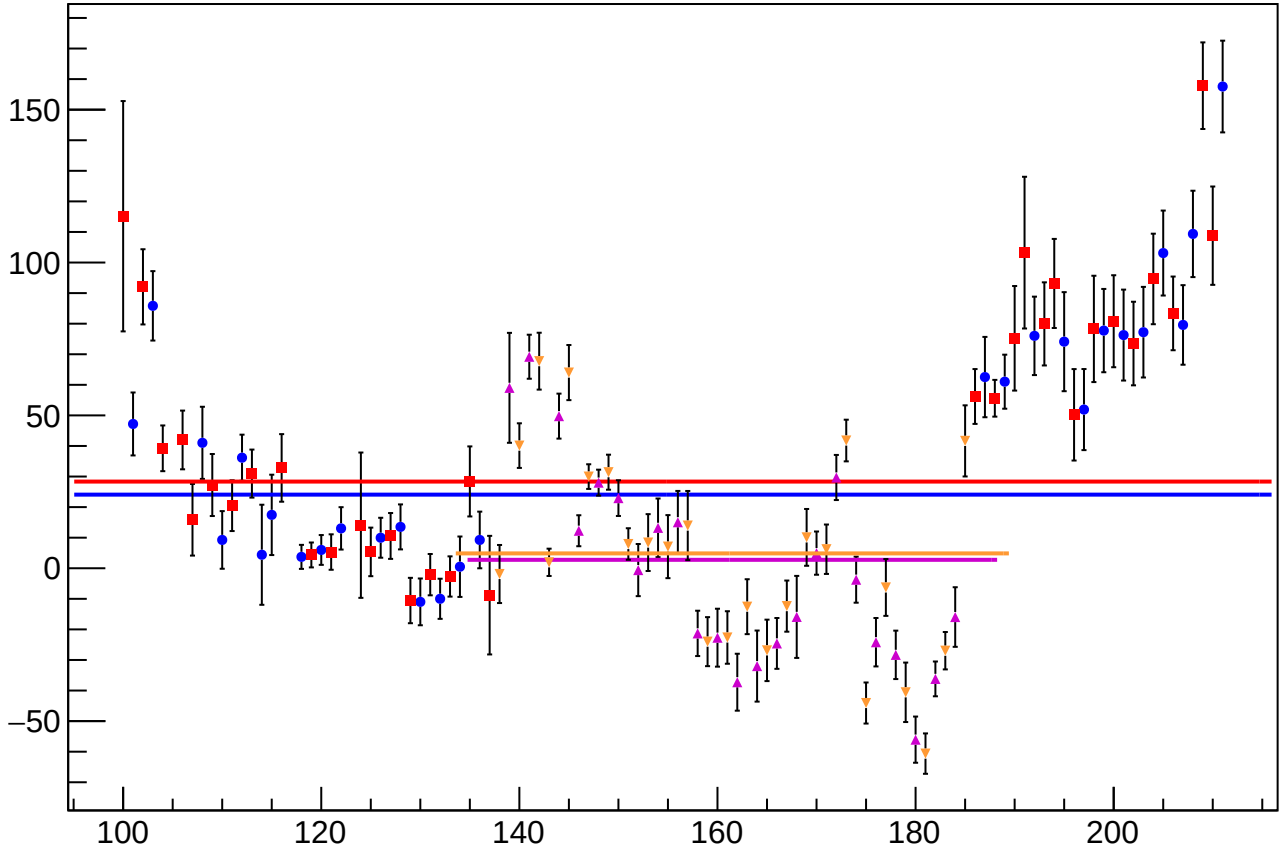
Left In: -449.912+/-2.043 χ^2/NDF:3218.9/22

+ sign -383.953+/-1.198 χ^2/NDF: 11445.3/52

All: -394.331+/-0.838 χ^2/NDF: 22299.5/108

- sign -404.273+/-1.173 χ^2/NDF: 10707.4/55

reg_asym_atl2_diff_bpm4aY_slope vs Slug



Right In: 24.081+/-1.658 χ^2/NDF: 412.7/27

Left Out: 4.858+/-1.447 χ^2/NDF:457.2/24

Right Out: 28.353+/-1.614 χ^2/NDF: 441.1/32

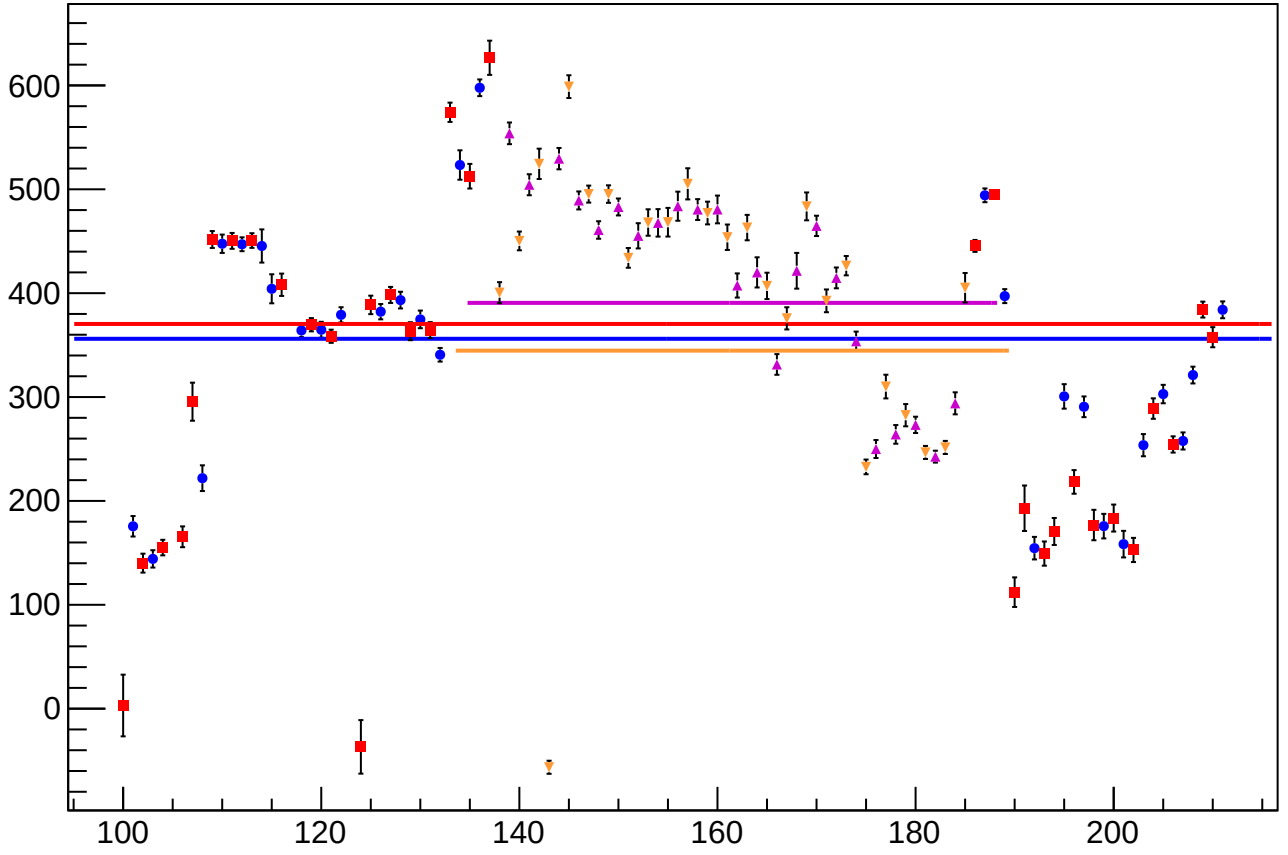
Left In: 2.756+/-1.554 χ^2/NDF:399.6/22

+ sign 13.167+/-1.090 χ^2/NDF: 946.2/52

All: 14.095+/-0.781 χ^2/NDF: 1918.9/108

- sign 15.074+/-1.120 χ^2/NDF: 971.2/55

reg_asym_atl2_diff_bpm4eX_slope vs Slug



Right In: 356.084+/-1.629 χ^2/NDF: 4188.5/27

Left Out: 344.680+/-1.924 χ^2/NDF:7278.2/24

Right Out: 370.368+/-1.487 χ^2/NDF: 7213.2/32

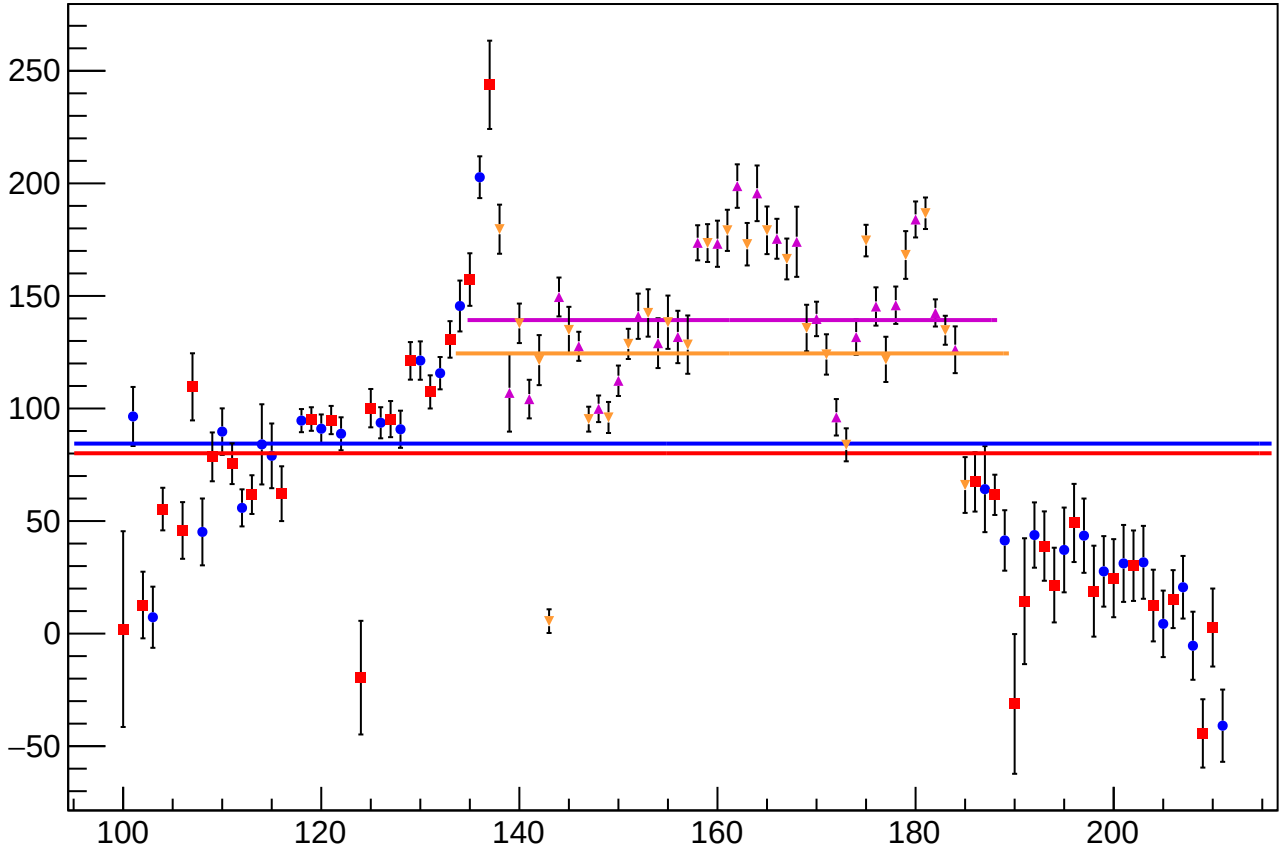
Left In: 390.672+/-2.029 χ^2/NDF:2672.8/22

+ sign 351.323+/-1.243 χ^2/NDF: 11487.1/52

All: 364.860+/-0.863 χ^2/NDF: 21667.1/108

- sign 377.460+/-1.199 χ^2/NDF: 9951.1/55

reg_asym_atl2_diff_bpm4eY_slope vs Slug



Right In: 84.407+/-1.938 χ^2/NDF: 501.6/27

Left Out: 124.466+/-1.662 χ^2/NDF:937.6/24

Right Out: 80.111+/-1.897 χ^2/NDF: 484.5/32

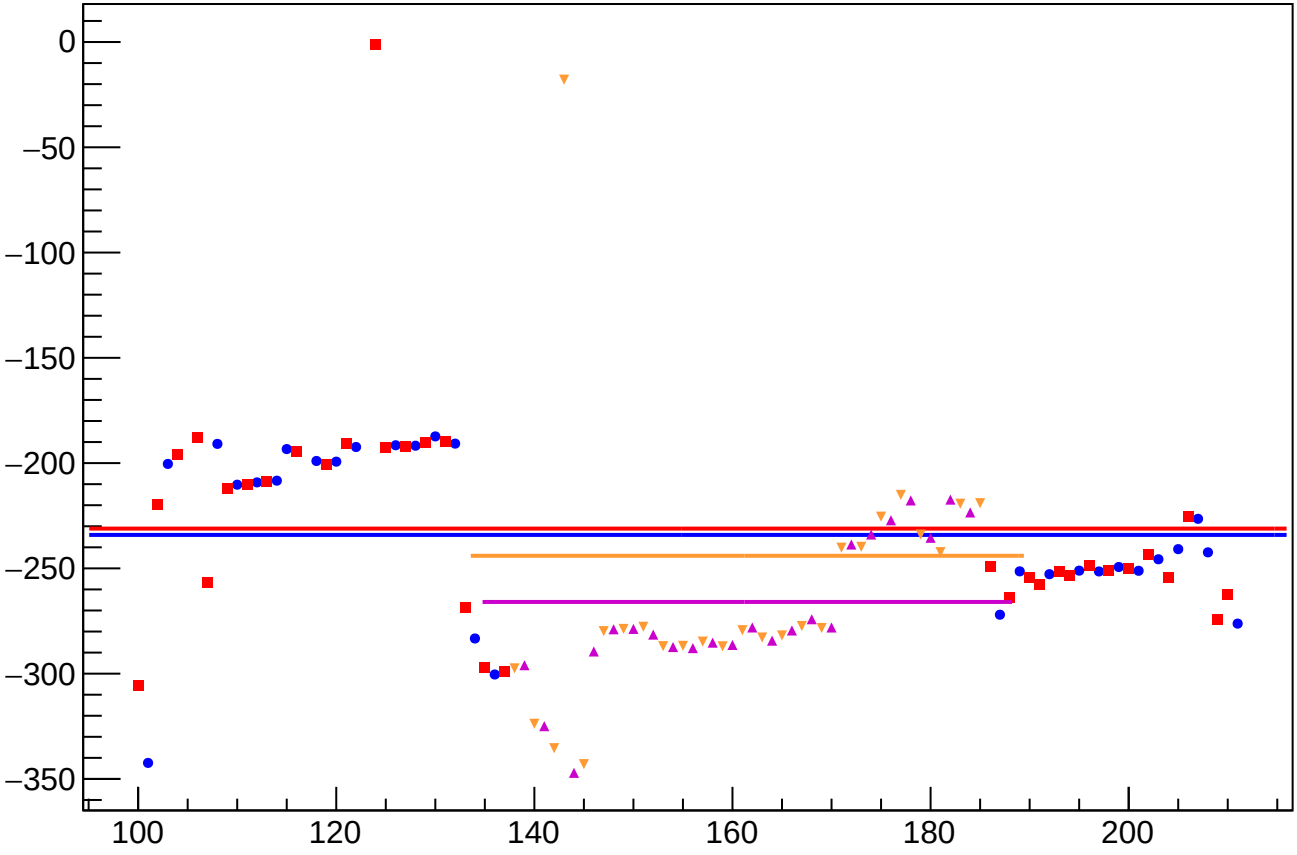
Left In: 139.274+/-1.769 χ^2/NDF:260.9/22

+ sign 107.488+/-1.261 χ^2/NDF: 1685.4/52

All: 109.564+/-0.903 χ^2/NDF: 2956.6/108

- sign 111.747+/-1.294 χ^2/NDF: 1265.6/55

reg_asym_atl2_diff_bpm12X_slope vs Slug



Right In: -234.106+/-0.106 χ^2/NDF: 139330.0/27

Left Out: -244.021+/-0.077 χ^2/NDF:997959.6/24

Right Out: -231.102+/-0.101 χ^2/NDF: 116789.4/32

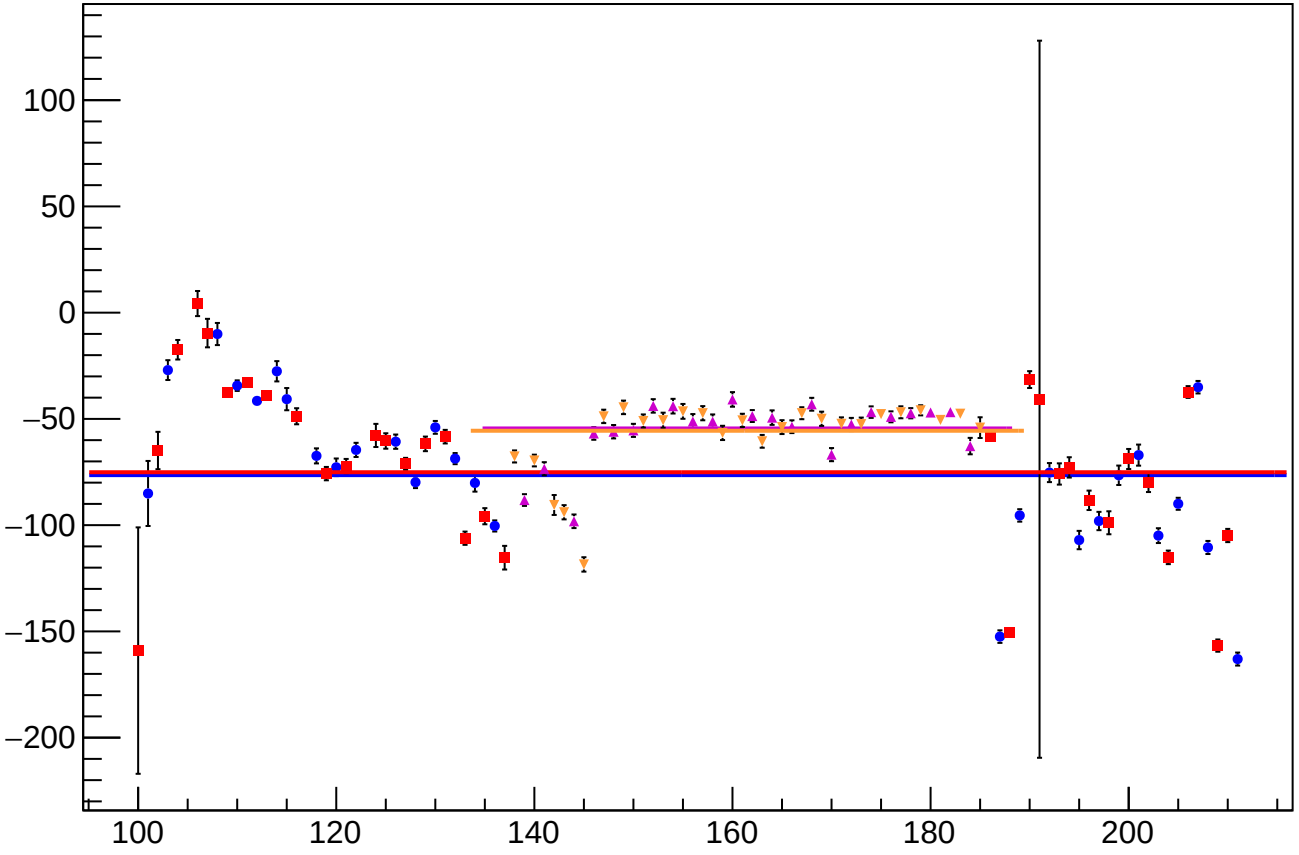
Left In: -265.945+/-0.081 χ^2/NDF:169943.2/22

+ sign -240.565+/-0.062 χ^2/NDF: 1143018.8/52

All: -246.442+/-0.044 χ^2/NDF: 1520338.6/10

- sign -252.423+/-0.063 χ^2/NDF: 359433.0/55

reg_asym_atr1_diff_bpm1X_slope vs Slug



Right In: -76.459+/-0.637 χ^2/NDF: 3158.9/27

Left Out: -55.575+/-0.590 χ^2/NDF:686.5/24

Right Out: -75.100+/-0.575 χ^2/NDF: 5055.9/32

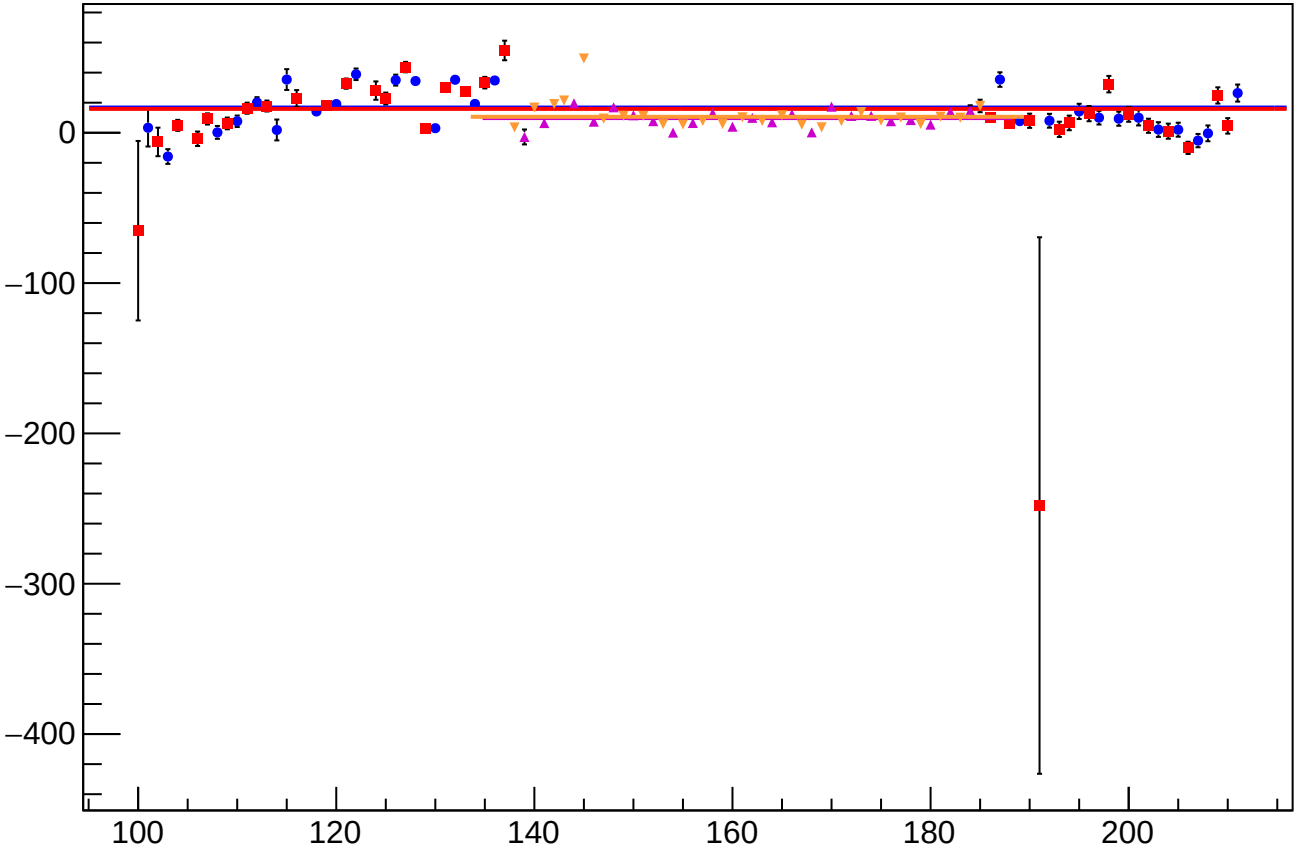
Left In: -54.499+/-0.606 χ^2/NDF:500.4/22

\+ sign -65.221+/-0.433 χ^2/NDF: 4424.0/52

All: -65.289+/-0.300 χ^2/NDF: 10588.6/108

\- sign -65.352+/-0.417 χ^2/NDF: 6164.6/55

reg_asym_atr1_diff_bpm4aY_slope vs Slug



Right In: 16.767+/-0.727 χ^2/NDF: 350.6/27

Left Out: 10.603+/-0.449 χ^2/NDF:255.2/24

Right Out: 15.884+/-0.668 χ^2/NDF: 368.6/32

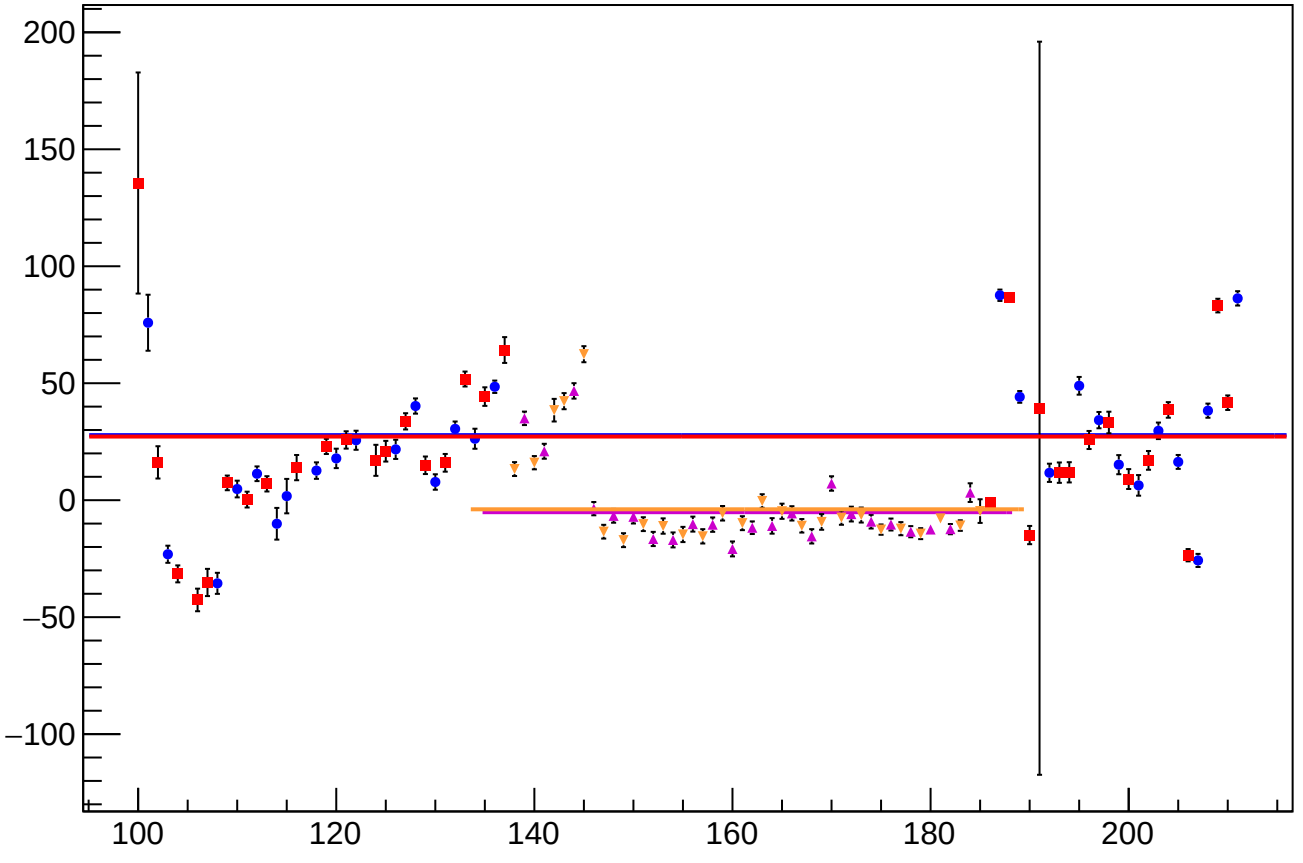
Left In: 9.765+/-0.467 χ^2/NDF:121.0/22

\+ sign 12.306+/-0.382 χ^2/NDF: 657.7/52

All: 12.040+/-0.270 χ^2/NDF: 1204.7/108

\- sign 11.773+/-0.383 χ^2/NDF: 546.0/55

reg_asym_atr1_diff_bpm4eX_slope vs Slug



Right In: 27.806+/-0.661 χ^2/NDF: 2149.3/27

Left Out: -3.895+/-0.585 χ^2/NDF:850.2/24

Right Out: 27.203+/-0.576 χ^2/NDF: 4077.9/32

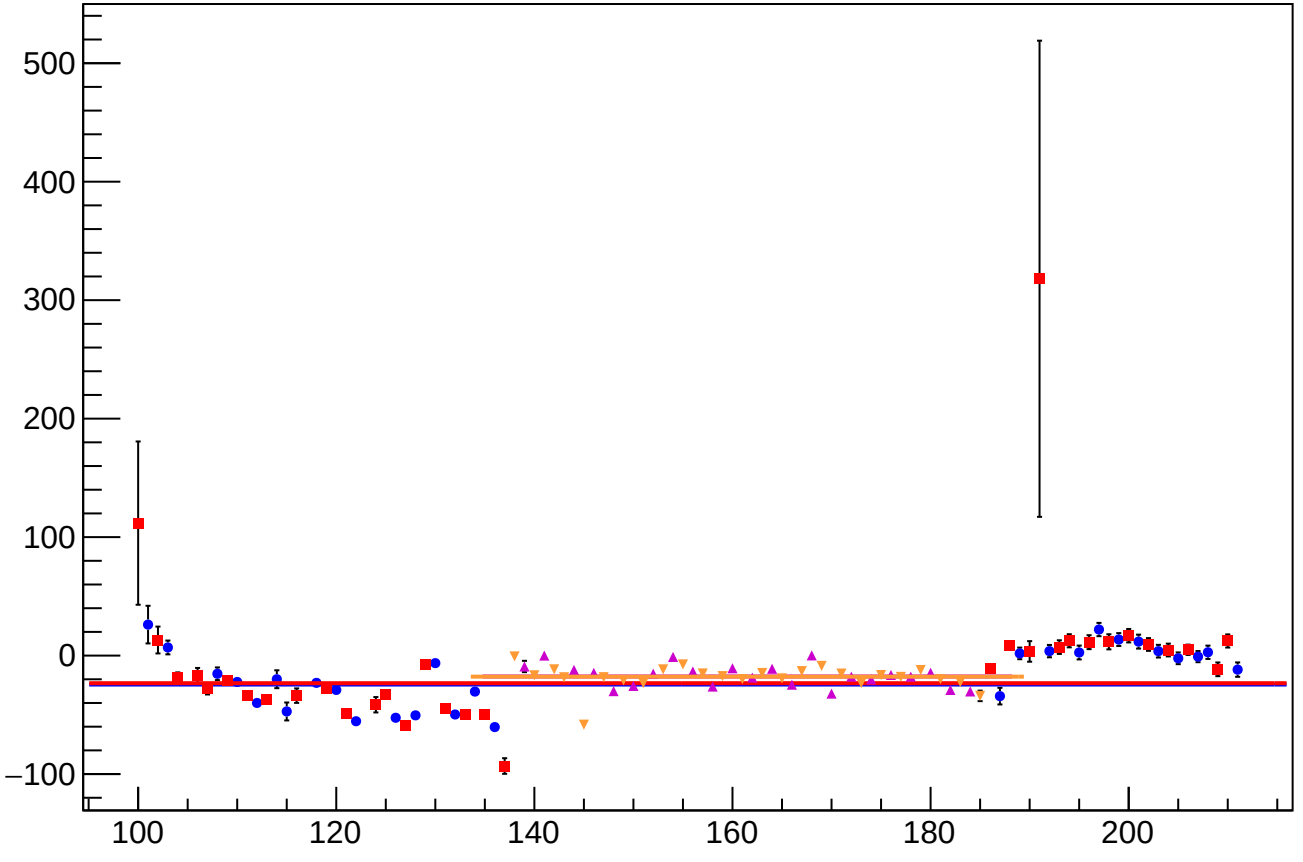
Left In: -5.124+/-0.600 χ^2/NDF:649.7/22

+ sign 10.022+/-0.438 χ^2/NDF: 4288.3/52

All: 10.898+/-0.301 χ^2/NDF: 10534.9/108

- sign 11.685+/-0.415 χ^2/NDF: 6239.1/55

reg_asym_atr1_diff_bpm4eY_slope vs Slug



Right In: -24.436+/-0.839 χ^2/NDF: 795.0/27

Left Out: -17.776+/-0.509 χ^2/NDF:251.6/24

Right Out: -23.301+/-0.795 χ^2/NDF: 942.9/32

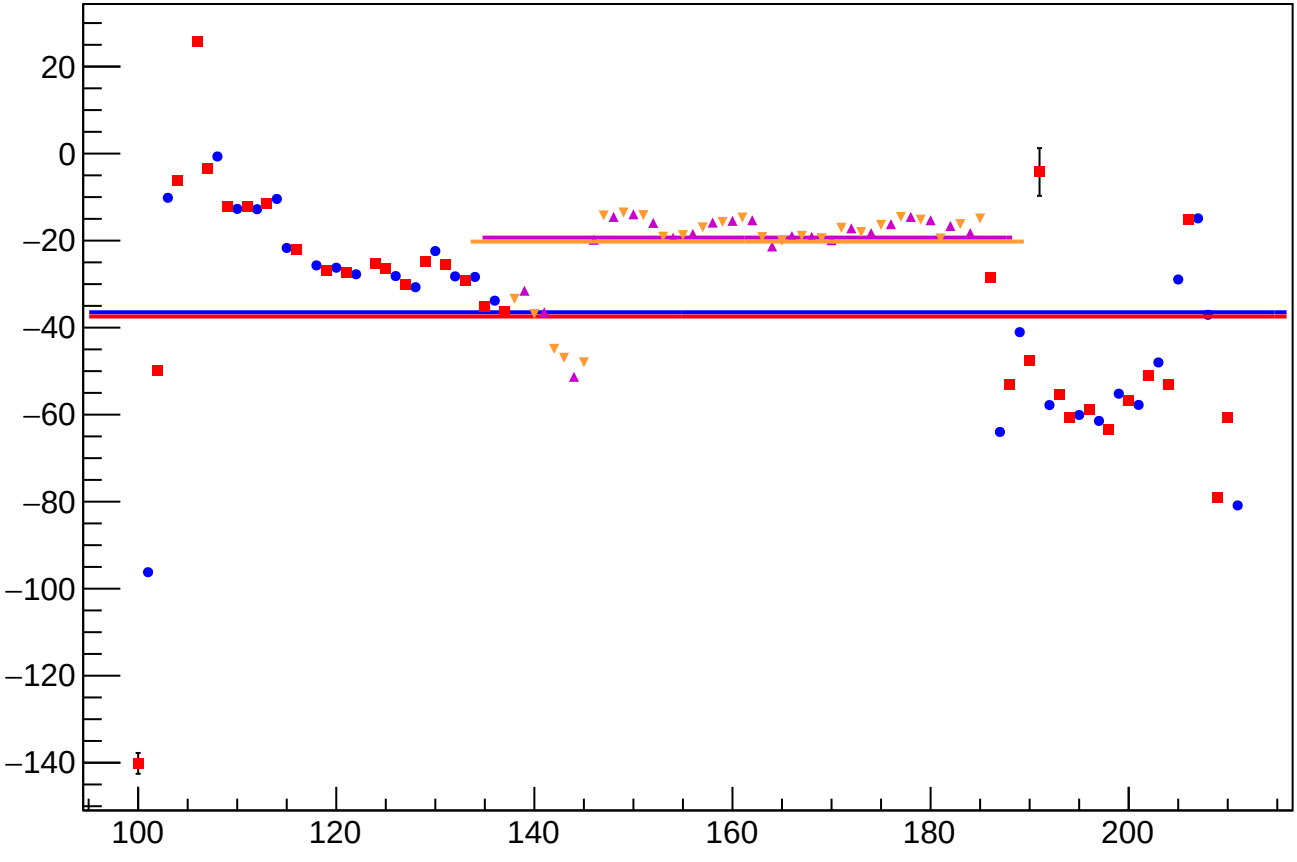
Left In: -17.643+/-0.526 χ^2/NDF:285.9/22

\+ sign -19.567+/-0.435 χ^2/NDF: 1092.7/52

All: -19.468+/-0.309 χ^2/NDF: 2356.8/108

\- sign -19.367+/-0.439 χ^2/NDF: 1264.1/55

reg_asym_atr1_diff_bpm12X_slope vs Slug



Right In: -36.472+/-0.041 χ^2/NDF: 237766.3/27

Left Out: -20.227+/-0.023 χ^2/NDF:147352.7/24

Right Out: -37.445+/-0.040 χ^2/NDF: 325404.3/32

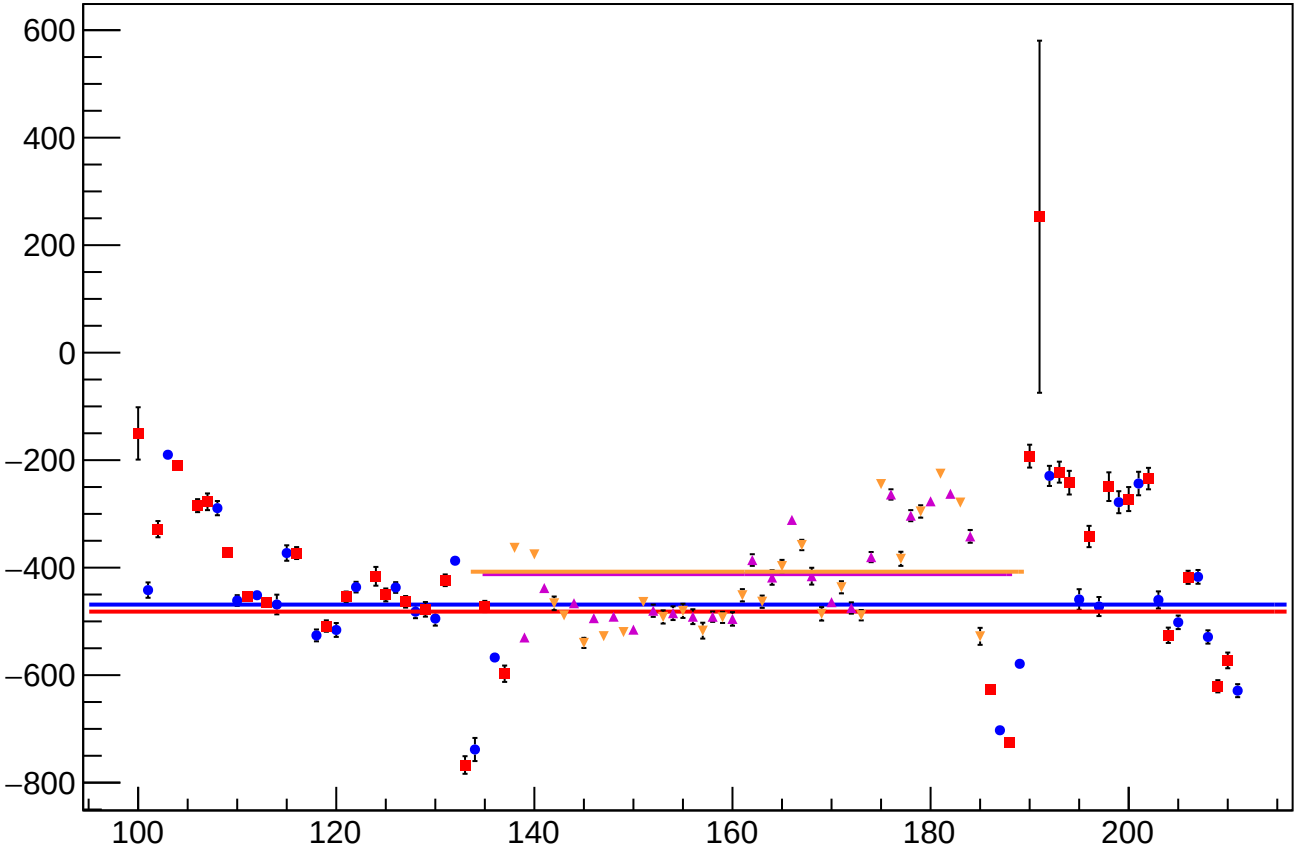
Left In: -19.310+/-0.023 χ^2/NDF:93090.9/22

+ sign -24.144+/-0.020 χ^2/NDF: 506923.8/52

All: -24.061+/-0.014 χ^2/NDF: 1081803.4/108

- sign -23.976+/-0.020 χ^2/NDF: 574844.4/55

reg_asym_atr2_diff_bpm1X_slope vs Slug



Right In: -468.735+/-2.209 χ^2/NDF: 3038.1/27

Left Out: -407.554+/-1.951 χ^2/NDF:2872.6/24

Right Out: -481.800+/-1.979 χ^2/NDF: 6309.3/32

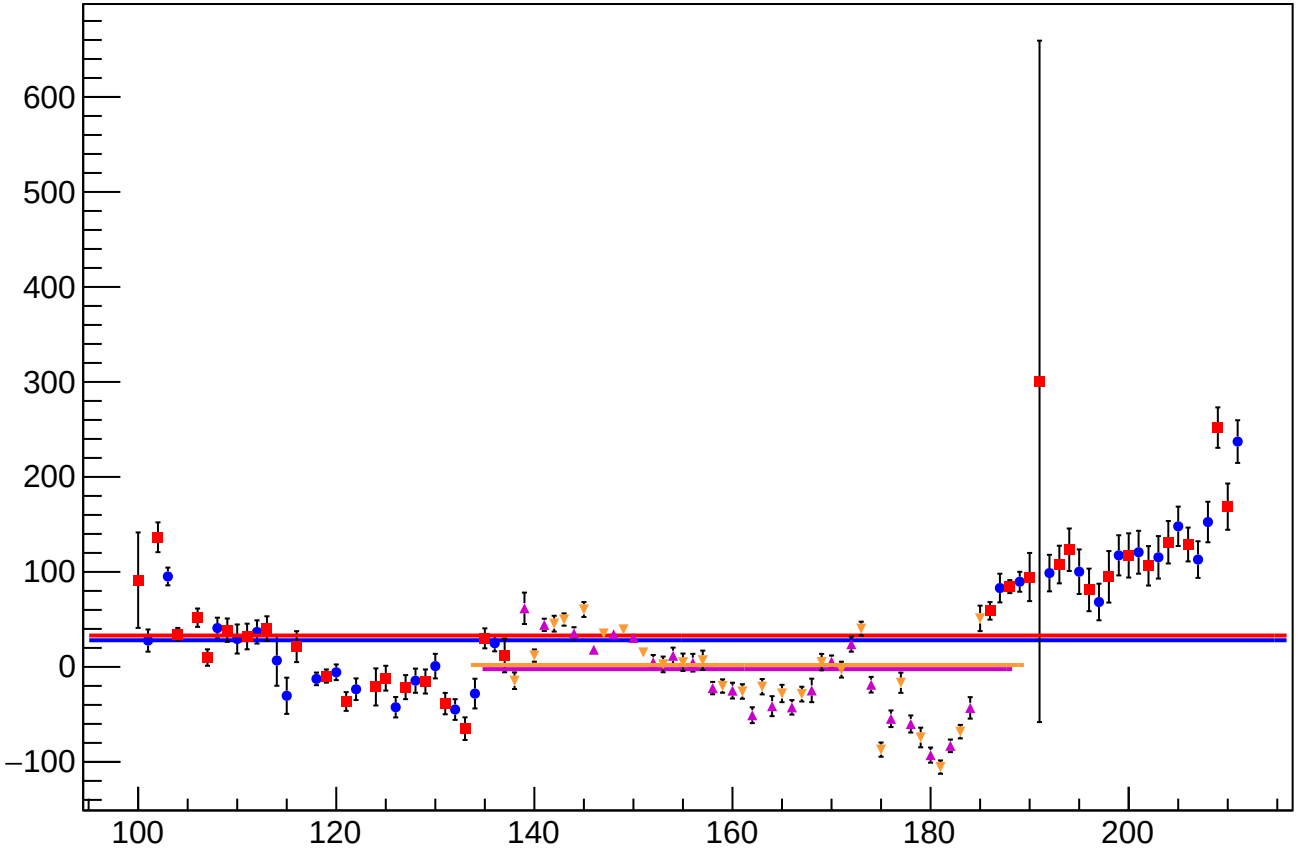
Left In: -412.102+/-2.008 χ^2/NDF:2182.3/22

+ sign -434.368+/-1.462 χ^2/NDF: 6341.7/52

All: -441.156+/-1.015 χ^2/NDF: 15485.9/108

- sign -447.464+/-1.410 χ^2/NDF: 9102.7/55

reg_asym_atr2_diff_bpm4aY_slope vs Slug



Right In: 28.045+/-2.422 χ^2/NDF: 553.3/27

Left Out: 2.035+/-1.426 χ^2/NDF:910.7/24

Right Out: 33.038+/-2.188 χ^2/NDF: 629.0/32

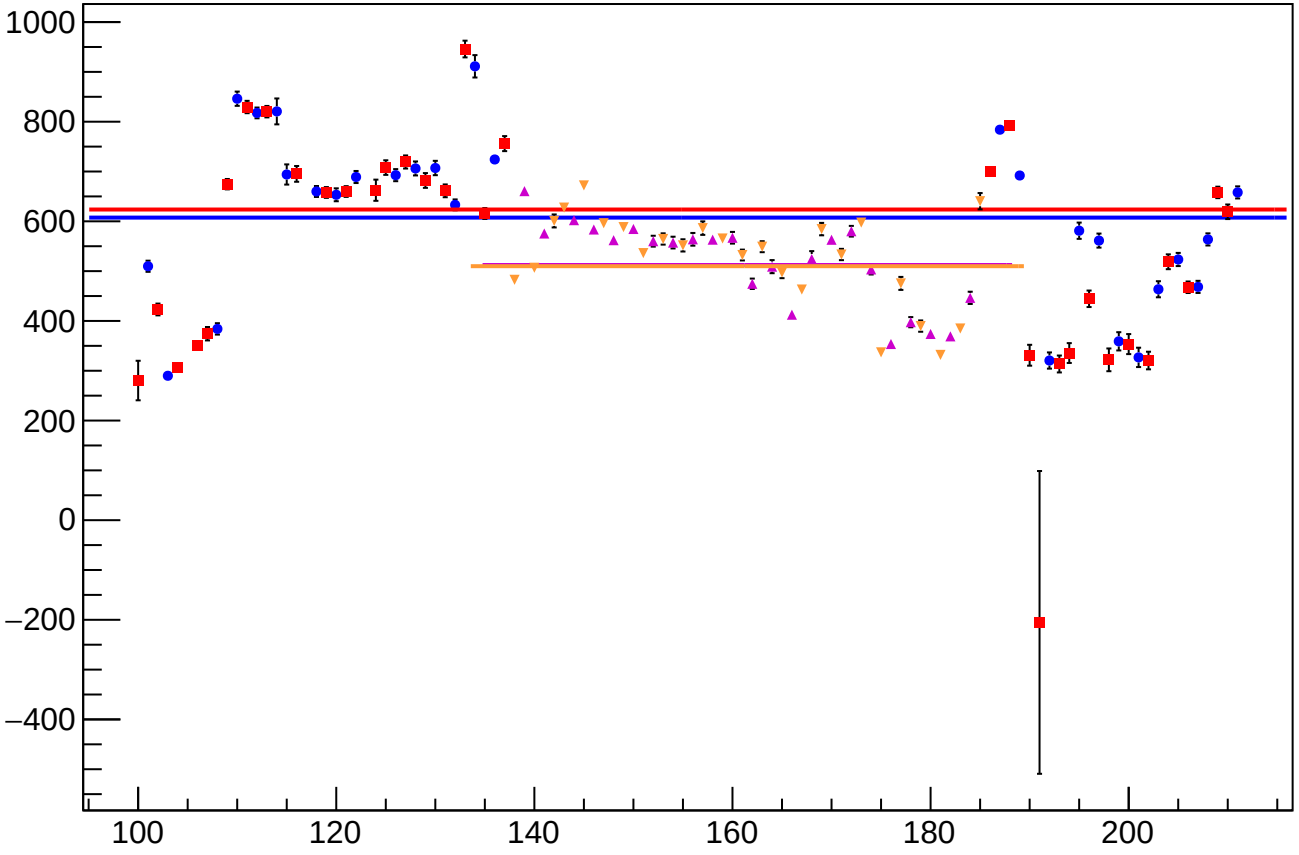
Left In: -2.365+/-1.482 χ^2/NDF:733.4/22

+ sign 8.730+/-1.229 χ^2/NDF: 1549.6/52

All: 8.753+/-0.868 χ^2/NDF: 3091.5/108

- sign 8.776+/-1.227 χ^2/NDF: 1541.9/55

reg_asym_atr2_diff_bpm4eX_slope vs Slug



Right In: 607.470+/-2.229 χ^2/NDF: 5544.6/27

Left Out: 509.912+/-1.936 χ^2/NDF:2662.6/24

Right Out: 623.703+/-1.935 χ^2/NDF: 8815.7/32

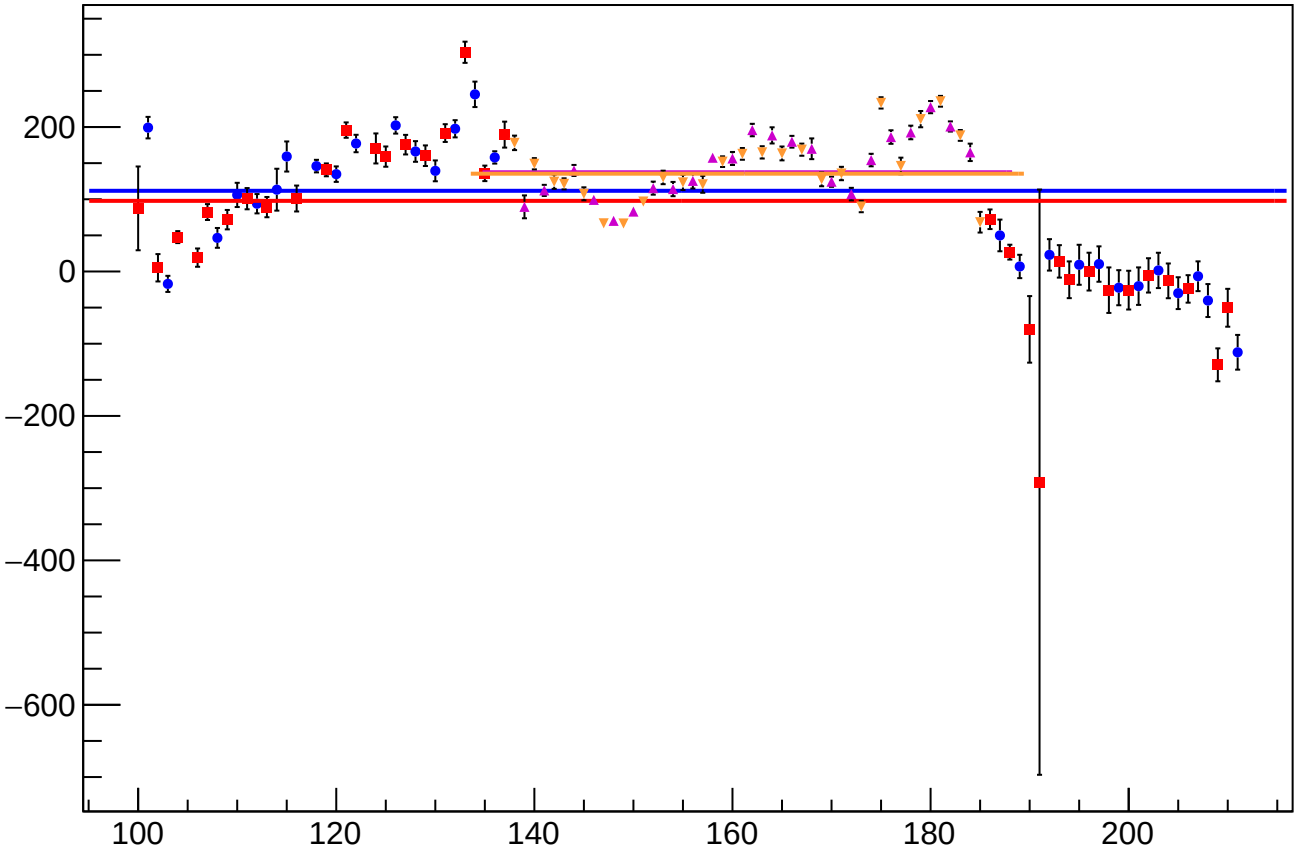
Left In: 512.270+/-1.984 χ^2/NDF:2087.6/22

\+ sign 551.854+/-1.461 χ^2/NDF: 9299.3/52

All: 561.085+/-1.005 χ^2/NDF: 21895.3/108

\- sign 569.378+/-1.385 χ^2/NDF: 12520.3/55

reg_asym_atr2_diff_bpm4eY_slope vs Slug



Right In: 111.716+/-2.833 χ^2/NDF: 846.8/27

Left Out: 135.407+/-1.649 χ^2/NDF:923.2/24

Right Out: 97.791+/-2.625 χ^2/NDF: 952.2/32

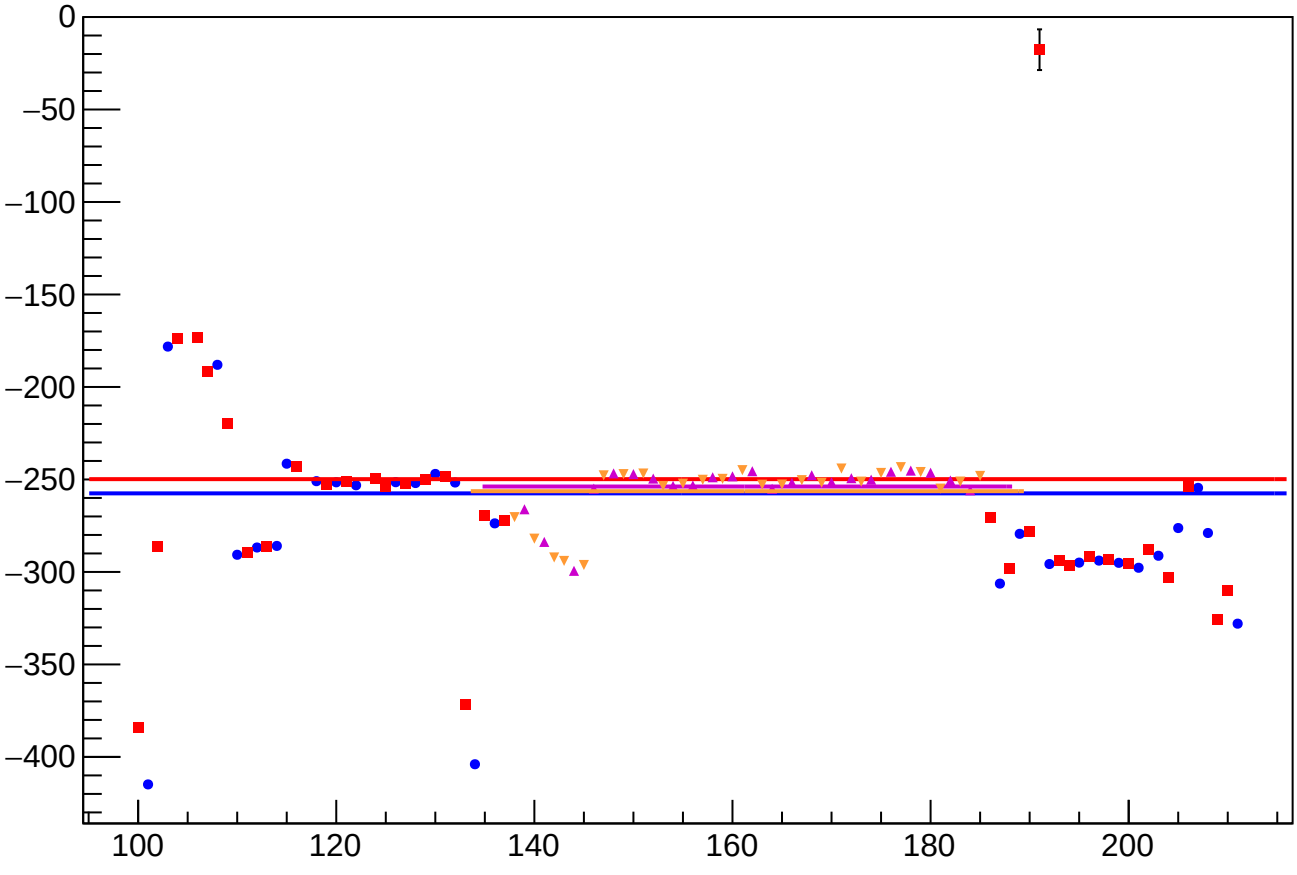
Left In: 137.374+/-1.702 χ^2/NDF:706.0/22

+ sign 129.413+/-1.425 χ^2/NDF: 1822.2/52

All: 127.540+/-1.009 χ^2/NDF: 3643.9/108

- sign 125.659+/-1.428 χ^2/NDF: 1818.2/55

reg_asym_atr2_diff_bpm12X_slope vs Slug



Right In: -257.519+/-0.135 χ^2/NDF: 202466.4/27

Left Out: -256.344+/-0.077 χ^2/NDF:39513.4/24

Right Out: -249.831+/-0.129 χ^2/NDF: 156311.9/32

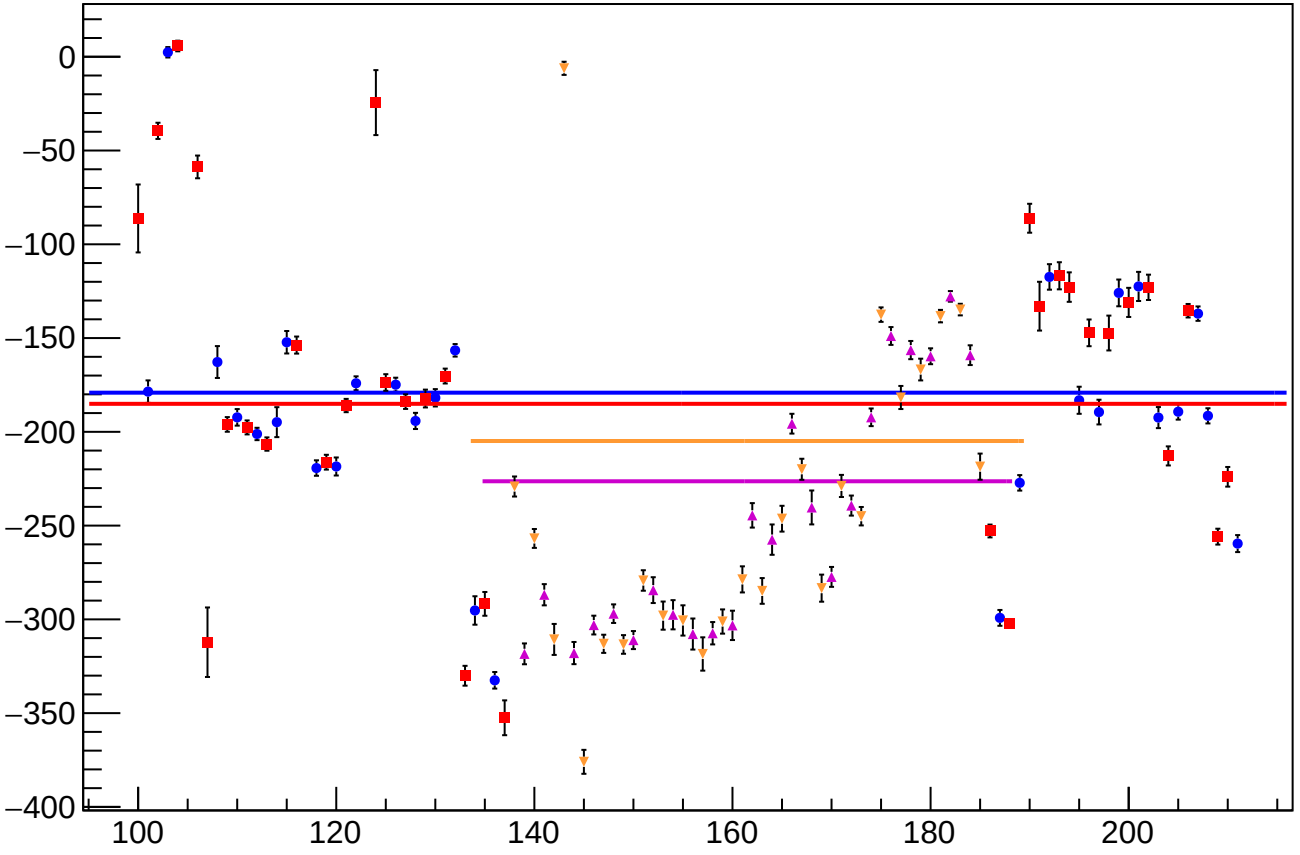
Left In: -253.817+/-0.078 χ^2/NDF:24076.7/22

+ sign -256.632+/-0.067 χ^2/NDF: 242036.9/52

All: -254.688+/-0.047 χ^2/NDF: 424805.9/108

- sign -252.757+/-0.067 χ^2/NDF: 181086.2/55

reg_asym_atl_avg_diff_bpm1X_slope vs Slug



Right In: -179.119+/-0.863 χ^2/NDF: 7603.7/27

Left Out: -204.891+/-1.052 χ^2/NDF:7826.3/24

Right Out: -185.068+/-0.807 χ^2/NDF: 11915.3/32

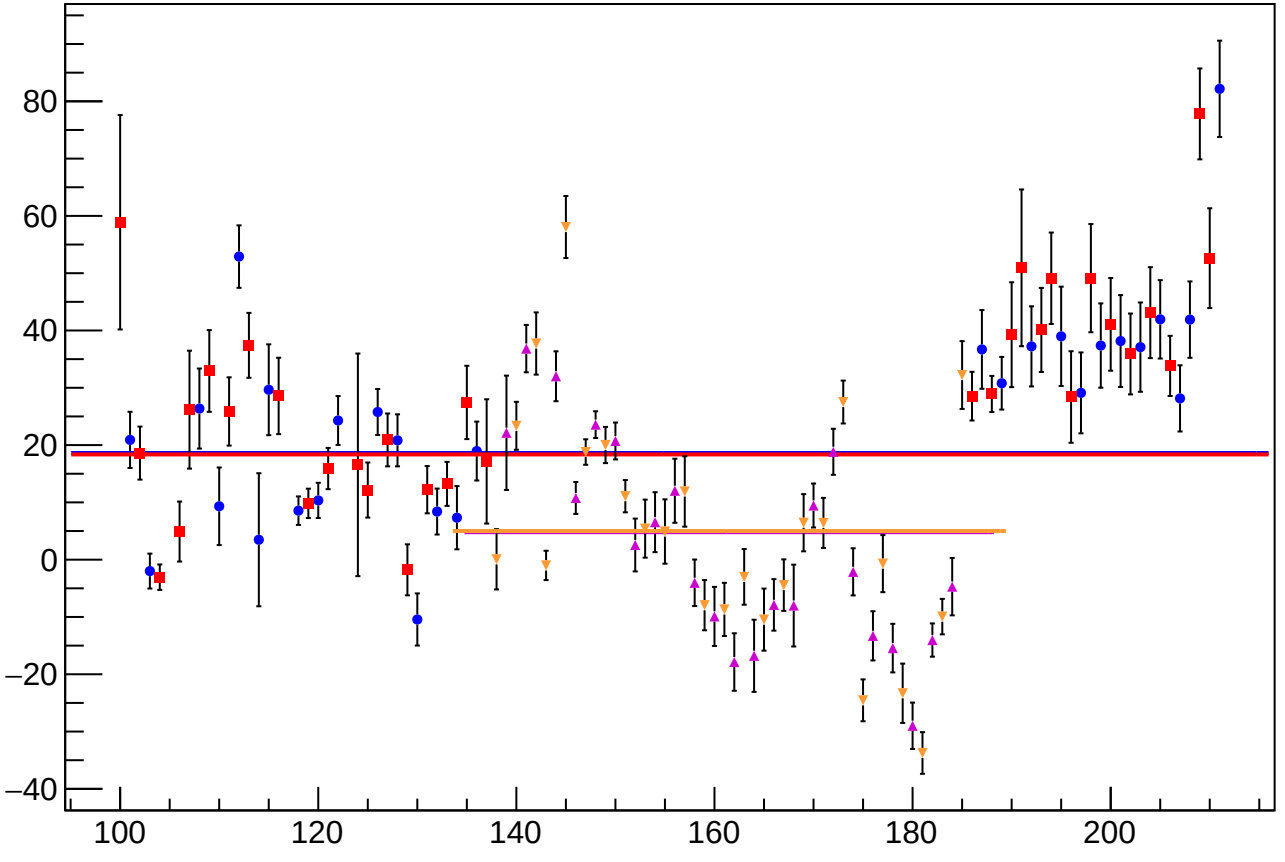
Left In: -226.365+/-1.105 χ^2/NDF:4219.0/22

+ sign -189.480+/-0.667 χ^2/NDF: 15788.9/52

All: -194.571+/-0.466 χ^2/NDF: 32948.2/108

- sign -199.430+/-0.652 χ^2/NDF: 17045.4/55

reg_asym_atl_avg_diff_bpm4aY_slope vs Slug



Right In: 18.617+/-0.943 χ^2/NDF: 303.0/27

Left Out: 5.006+/-0.793 χ^2/NDF:548.5/24

Right Out: 18.368+/-0.883 χ^2/NDF: 332.3/32

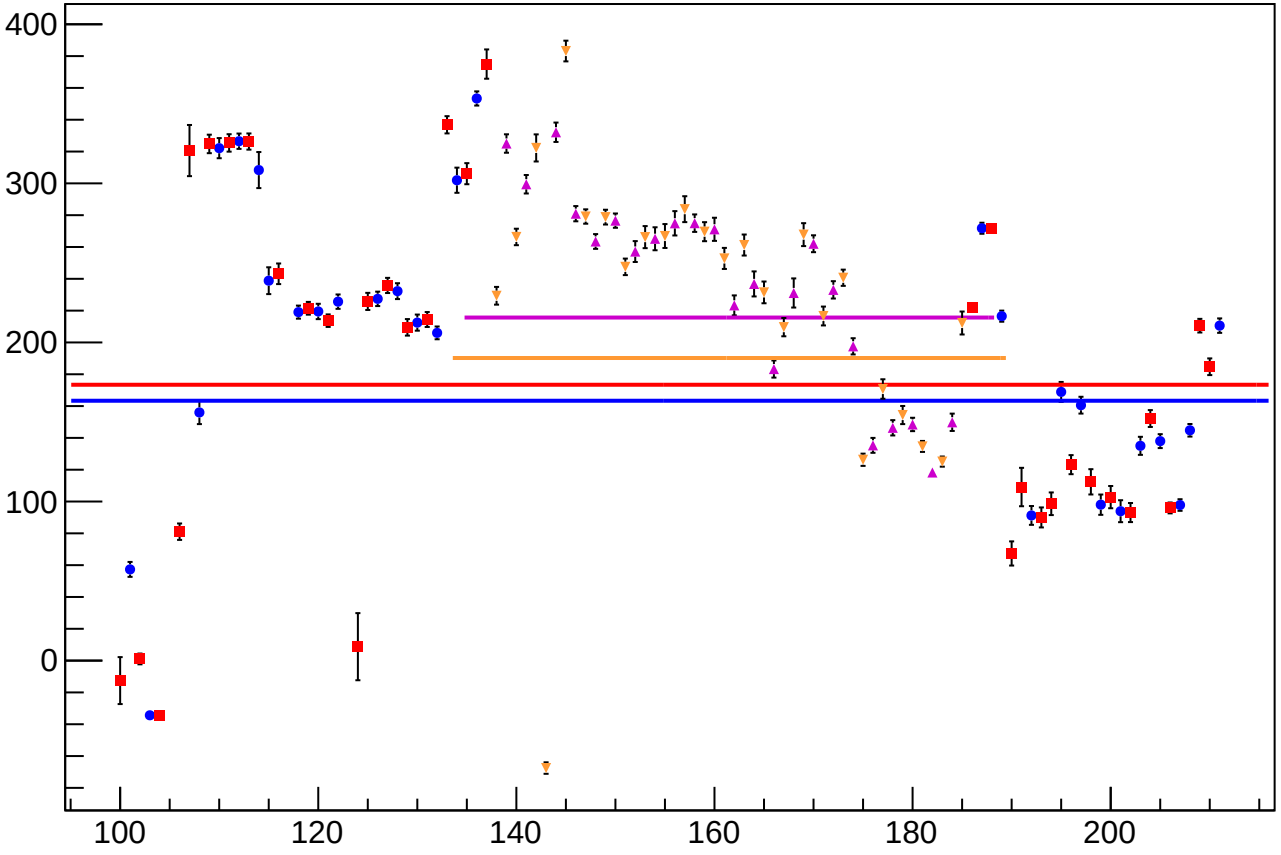
Left In: 4.799+/-0.846 χ^2/NDF:426.3/22

\+ sign 10.644+/-0.607 χ^2/NDF: 973.5/52

All: 10.970+/-0.431 χ^2/NDF: 1855.7/108

\- sign 11.299+/-0.611 χ^2/NDF: 881.7/55

reg_asym_atl_avg_diff_bpm4eX_slope vs Slug



Right In: 163.352+/-0.863 χ^2/NDF: 16032.6/27

Left Out: 190.219+/-1.050 χ^2/NDF:9384.0/24

Right Out: 173.403+/-0.785 χ^2/NDF: 21450.5/32

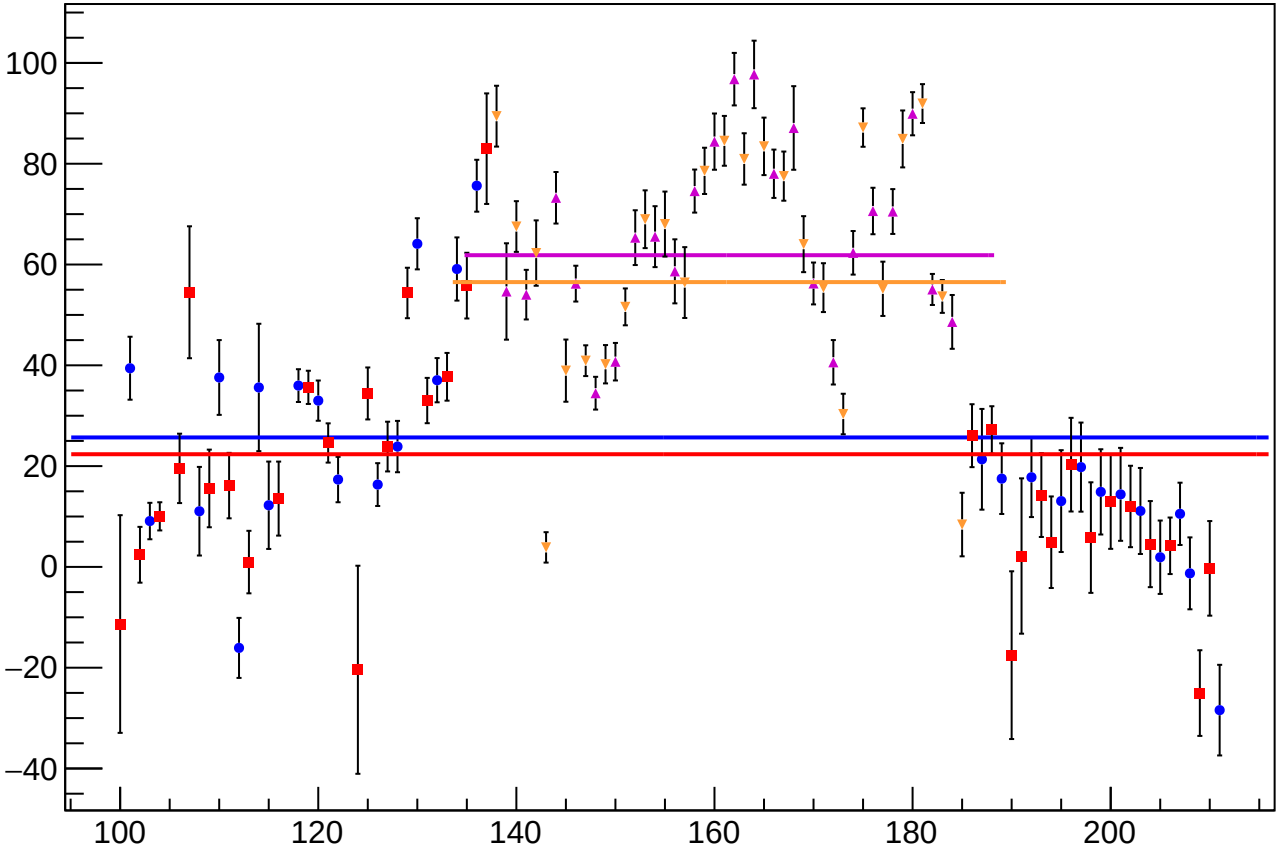
Left In: 215.649+/-1.098 χ^2/NDF:3886.0/22

+ sign 174.186+/-0.667 χ^2/NDF: 25807.4/52

All: 181.225+/-0.461 χ^2/NDF: 52337.2/108

- sign 187.681+/-0.638 χ^2/NDF: 26316.1/55

reg_asym_atl_avg_diff_bpm4eY_slope vs Slug



Right In: 25.689+/-1.104 χ^2/NDF: 369.5/27

Left Out: 56.514+/-0.909 χ^2/NDF:798.9/24

Right Out: 22.358+/-1.053 χ^2/NDF: 266.6/32

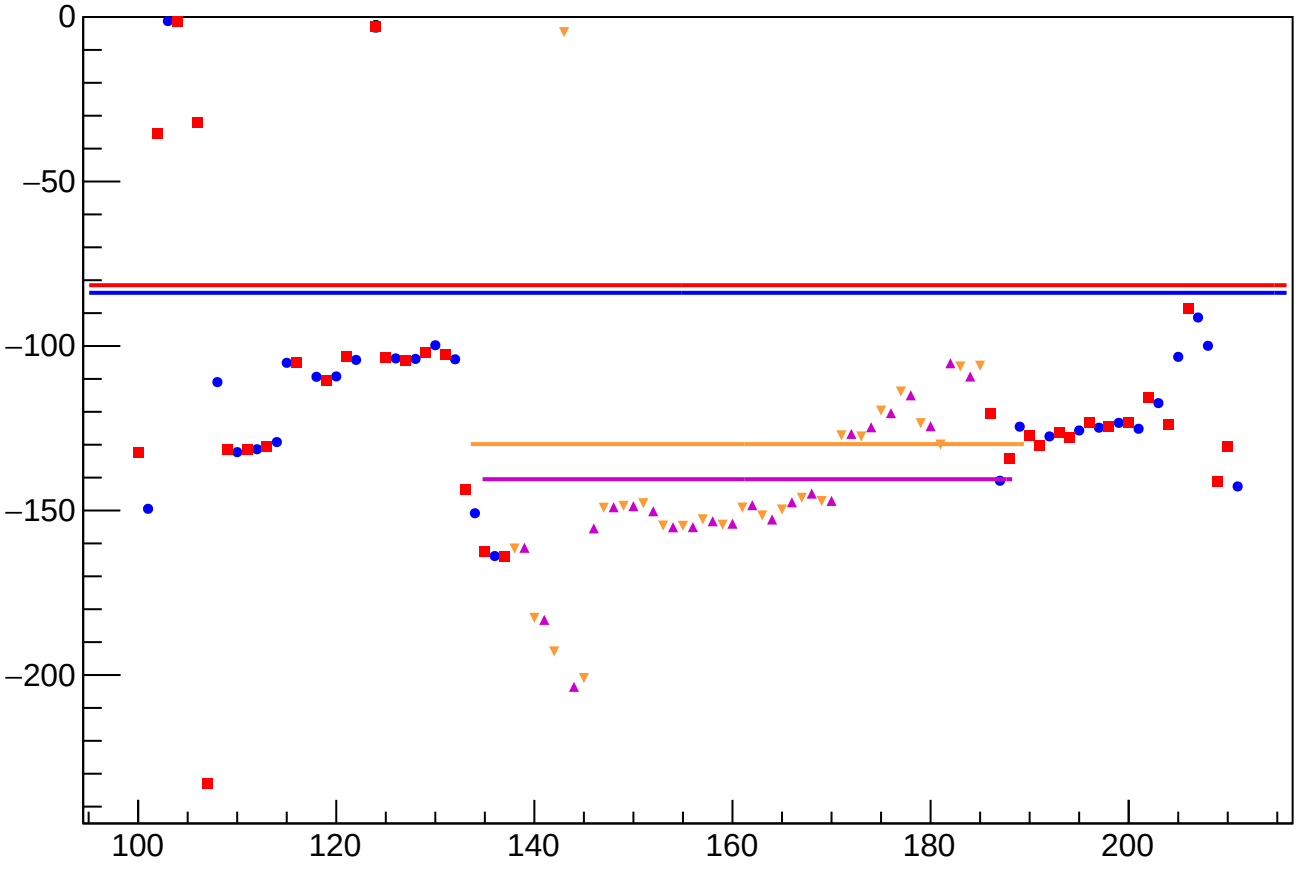
Left In: 61.850+/-0.961 χ^2/NDF:320.7/22

\+ sign 44.056+/-0.702 χ^2/NDF: 1633.1/52

All: 43.975+/-0.499 χ^2/NDF: 2987.6/108

\- sign 43.892+/-0.710 χ^2/NDF: 1354.5/55

reg_asym_atl_avg_diff_bpm12X_slope vs Slug



Right In: -83.829+/-0.051 χ^2/NDF: 1320569.9/27

Left Out: -129.810+/-0.042 χ^2/NDF:1025155.0/24

Right Out: -81.513+/-0.049 χ^2/NDF: 1292954.3/32

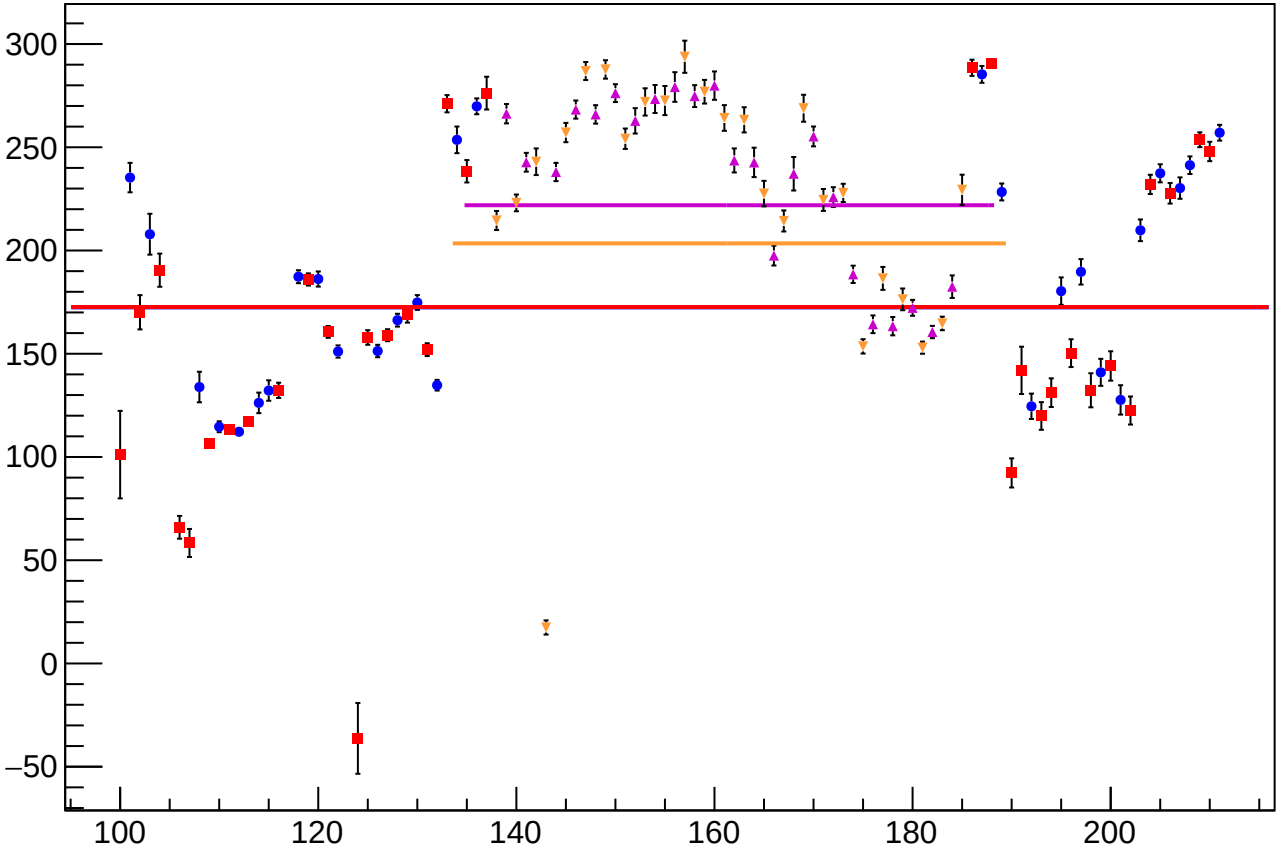
Left In: -140.477+/-0.044 χ^2/NDF:254660.0/22

+ sign -111.112+/-0.032 χ^2/NDF: 2829310.4/52

All: -112.766+/-0.023 χ^2/NDF: 5187418.8/10

- sign -114.434+/-0.033 χ^2/NDF: 2352902.7/55

reg_asym_atl_dd_diff_bpm1X_slope vs Slug



Right In: 172.463+/-0.743 χ^2/NDF: 4956.8/27

Left Out: 203.453+/-0.953 χ^2/NDF:5491.5/24

Right Out: 172.614+/-0.690 χ^2/NDF: 9259.5/32

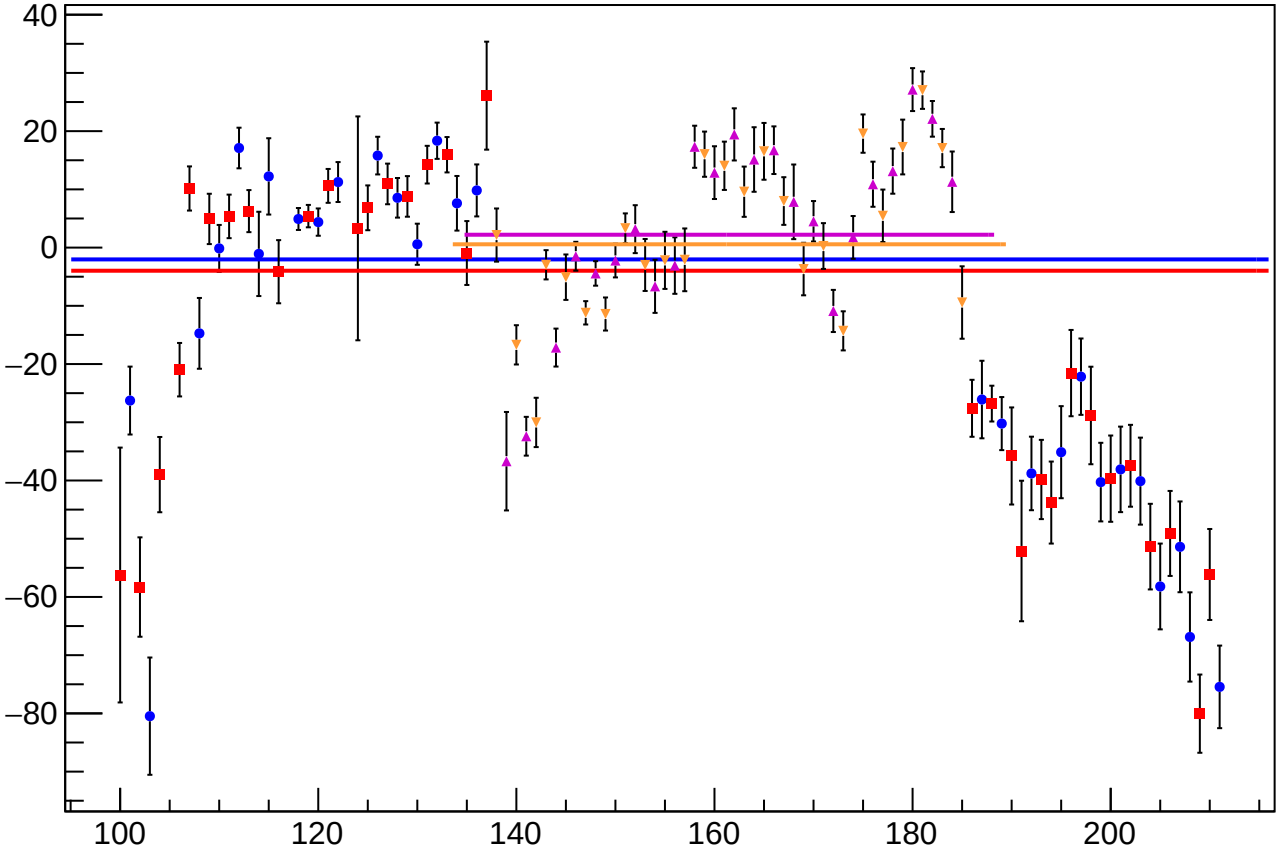
Left In: 221.923+/-1.003 χ^2/NDF:1986.7/22

+ sign 184.180+/-0.586 χ^2/NDF: 11105.9/52

All: 186.386+/-0.408 χ^2/NDF: 24020.0/108

- sign 188.463+/-0.569 χ^2/NDF: 12886.5/55

reg_asym_atl_dd_diff_bpm4aY_slope vs Slug



Right In: -2.028+/-0.809 χ^2/NDF: 719.6/27

Left Out: 0.568+/-0.716 χ^2/NDF:345.4/24

Right Out: -3.972+/-0.785 χ^2/NDF: 777.3/32

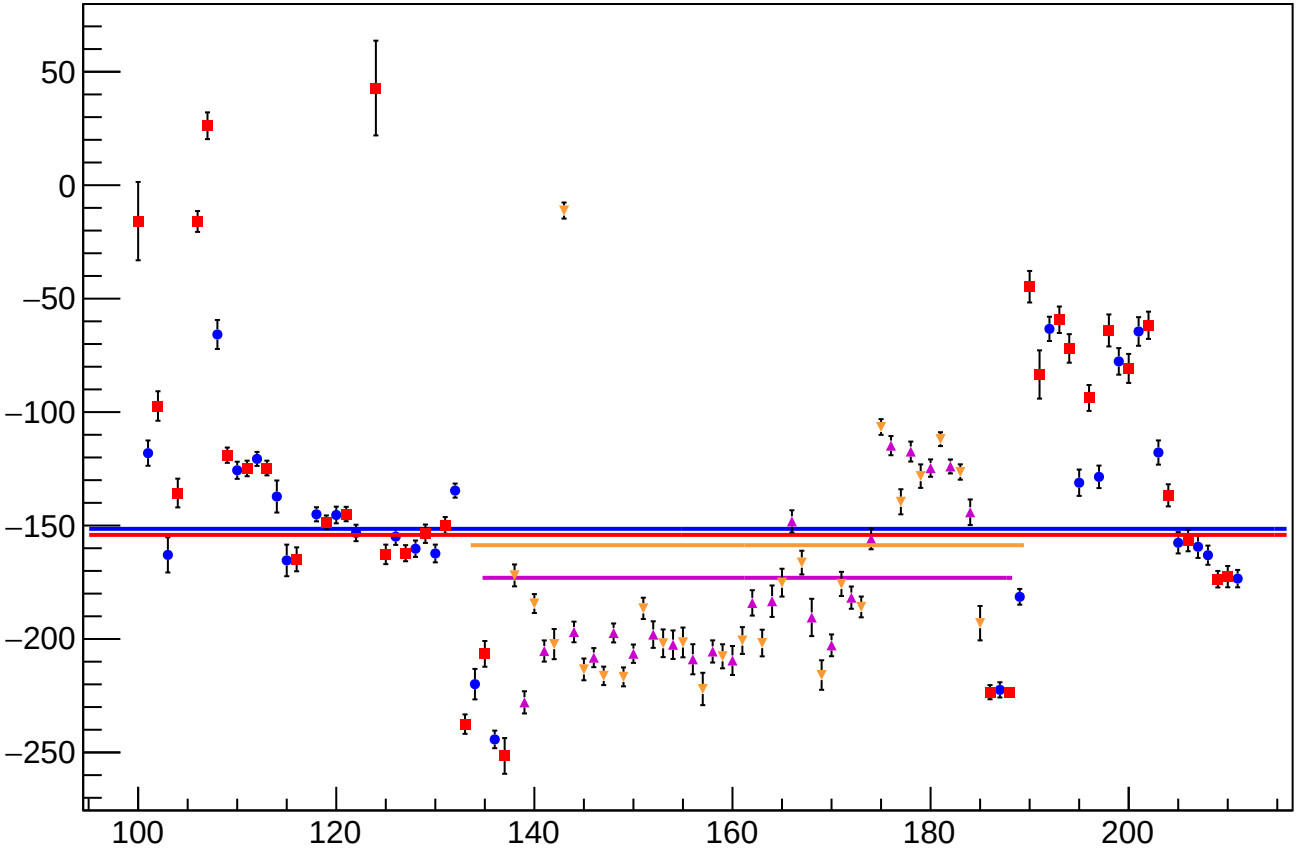
Left In: 2.210+/-0.760 χ^2/NDF:358.2/22

+ sign -0.571+/-0.536 χ^2/NDF: 1070.8/52

All: -0.674+/-0.383 χ^2/NDF: 2238.3/108

- sign -0.781+/-0.546 χ^2/NDF: 1167.5/55

reg_asym_atl_dd_diff_bpm4eX_slope vs Slug



Right In: -151.455+/-0.809 χ^2/NDF: 2362.8/27

Left Out: -158.658+/-0.951 χ^2/NDF:3491.8/24

Right Out: -154.119+/-0.739 χ^2/NDF: 6462.1/32

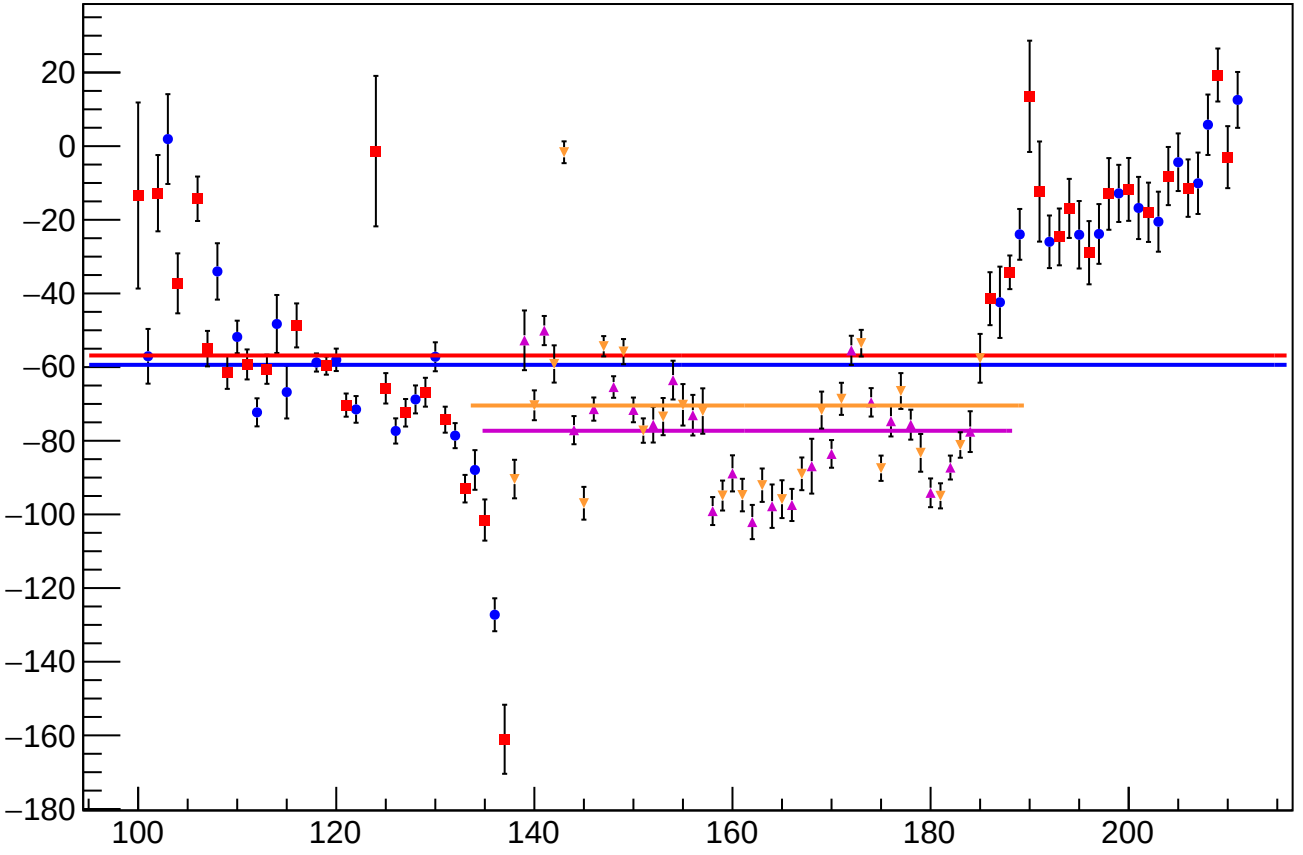
Left In: -173.043+/-0.996 χ^2/NDF:1399.9/22

+ sign -154.481+/-0.616 χ^2/NDF: 5887.9/52

All: -157.779+/-0.427 χ^2/NDF: 14038.2/108

- sign -160.837+/-0.593 χ^2/NDF: 8095.1/55

reg_asym_atl_dd_diff_bpm4eY_slope vs Slug



Right In: -59.385+/-0.943 χ^2/NDF: 796.5/27

Left Out: -70.427+/-0.821 χ^2/NDF:901.6/24

Right Out: -56.843+/-0.920 χ^2/NDF: 852.3/32

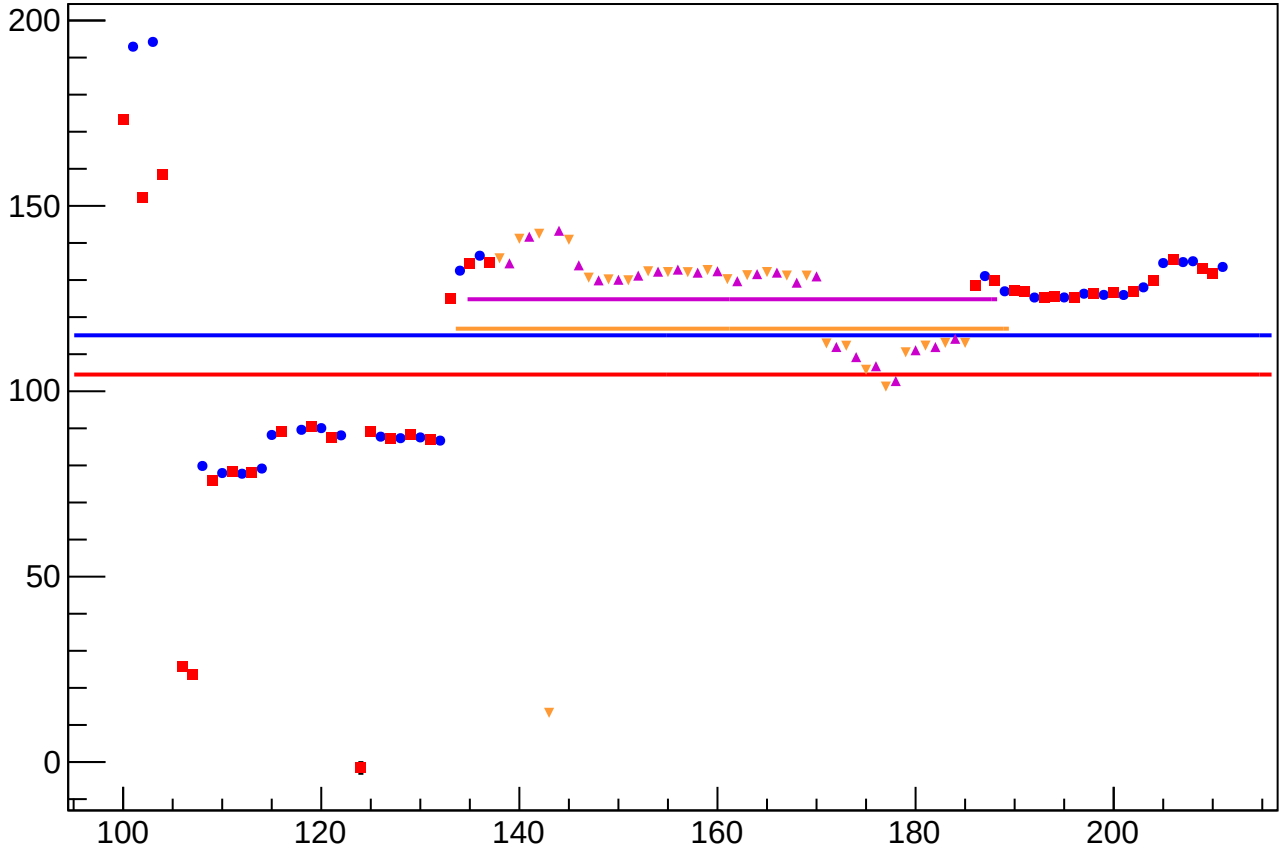
Left In: -77.288+/-0.866 χ^2/NDF:254.3/22

+ sign -65.666+/-0.619 χ^2/NDF: 1776.1/52

All: -66.656+/-0.442 χ^2/NDF: 3149.9/108

- sign -67.682+/-0.630 χ^2/NDF: 1368.6/55

reg_asym_atl_dd_diff_bpm12X_slope vs Slug



Right In: 115.091+/-0.054 χ^2/NDF: 284113.3/27

Left Out: 116.881+/-0.038 χ^2/NDF:623110.0/24

Right Out: 104.511+/-0.050 χ^2/NDF: 533588.9/32

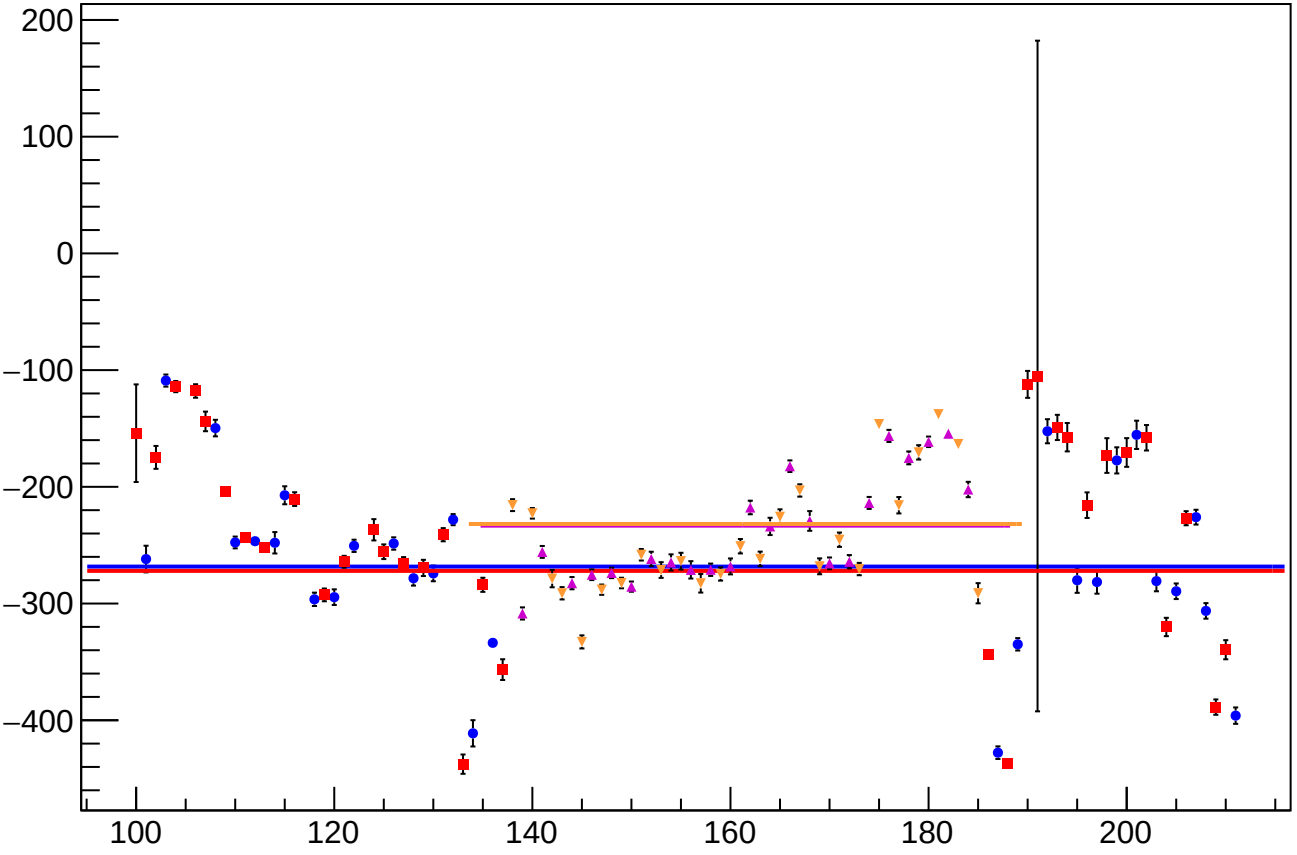
Left In: 124.819+/-0.039 χ^2/NDF:88116.2/22

+ sign 116.287+/-0.031 χ^2/NDF: 907956.2/52

All: 116.682+/-0.022 χ^2/NDF: 1631693.1/108

- sign 117.072+/-0.031 χ^2/NDF: 723416.6/55

reg_asym_atr_avg_diff_bpm1X_slope vs Slug



Right In: -268.345+/-1.196 χ^2/NDF: 3610.4/27

Left Out: -231.847+/-1.080 χ^2/NDF:2676.6/24

Right Out: -272.021+/-1.068 χ^2/NDF: 7907.8/32

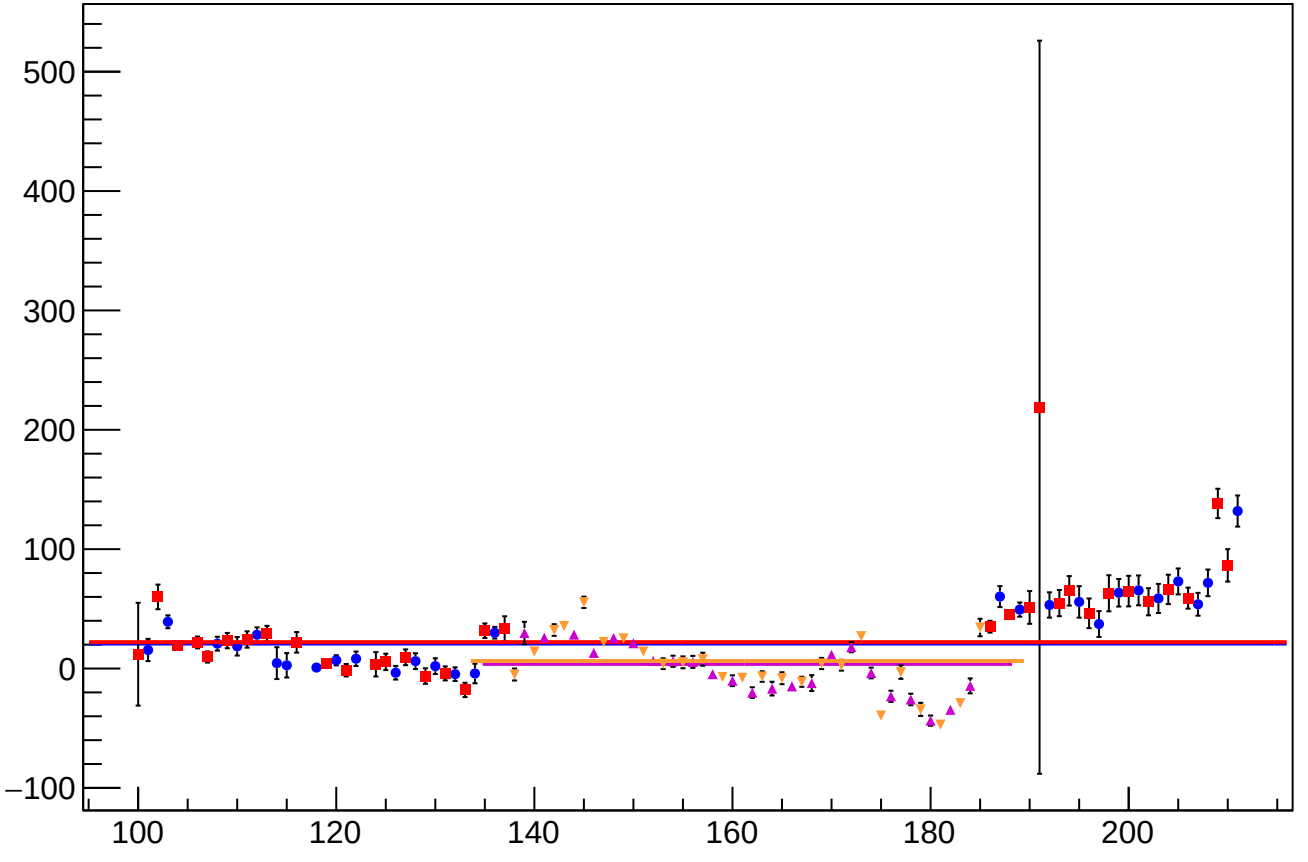
Left In: -233.258+/-1.108 χ^2/NDF:2067.0/22

+ sign -248.239+/-0.802 χ^2/NDF: 6799.8/52

All: -250.894+/-0.555 χ^2/NDF: 17430.0/108

- sign -253.337+/-0.769 χ^2/NDF: 10609.2/55

reg_asym_atr_avg_diff_bpm4aY_slope vs Slug



Right In: 20.944+/-1.312 χ^2/NDF: 356.9/27

Left Out: 6.288+/-0.789 χ^2/NDF:871.5/24

Right Out: 22.109+/-1.183 χ^2/NDF: 407.8/32

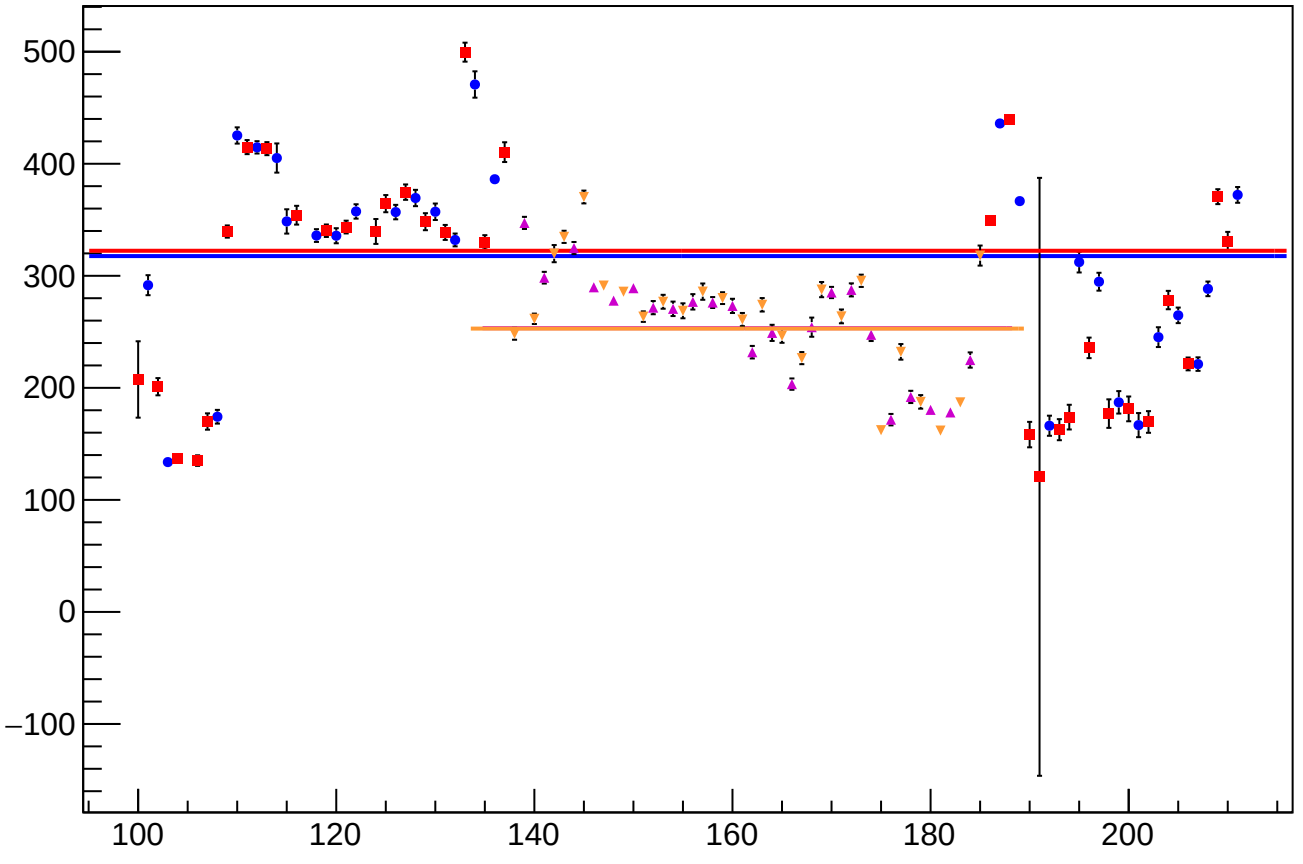
Left In: 3.906+/-0.818 χ^2/NDF:650.3/22

+ sign 10.181+/-0.676 χ^2/NDF: 1320.0/52

All: 9.987+/-0.477 χ^2/NDF: 2538.4/108

- sign 9.796+/-0.673 χ^2/NDF: 1218.3/55

reg_asym_atr_avg_diff_bpm4eX_slope vs Slug



Right In: 317.594+/-1.229 χ^2/NDF: 5744.7/27

Left Out: 252.886+/-1.070 χ^2/NDF:2579.0/24

Right Out: 322.354+/-1.063 χ^2/NDF: 10146.6/32

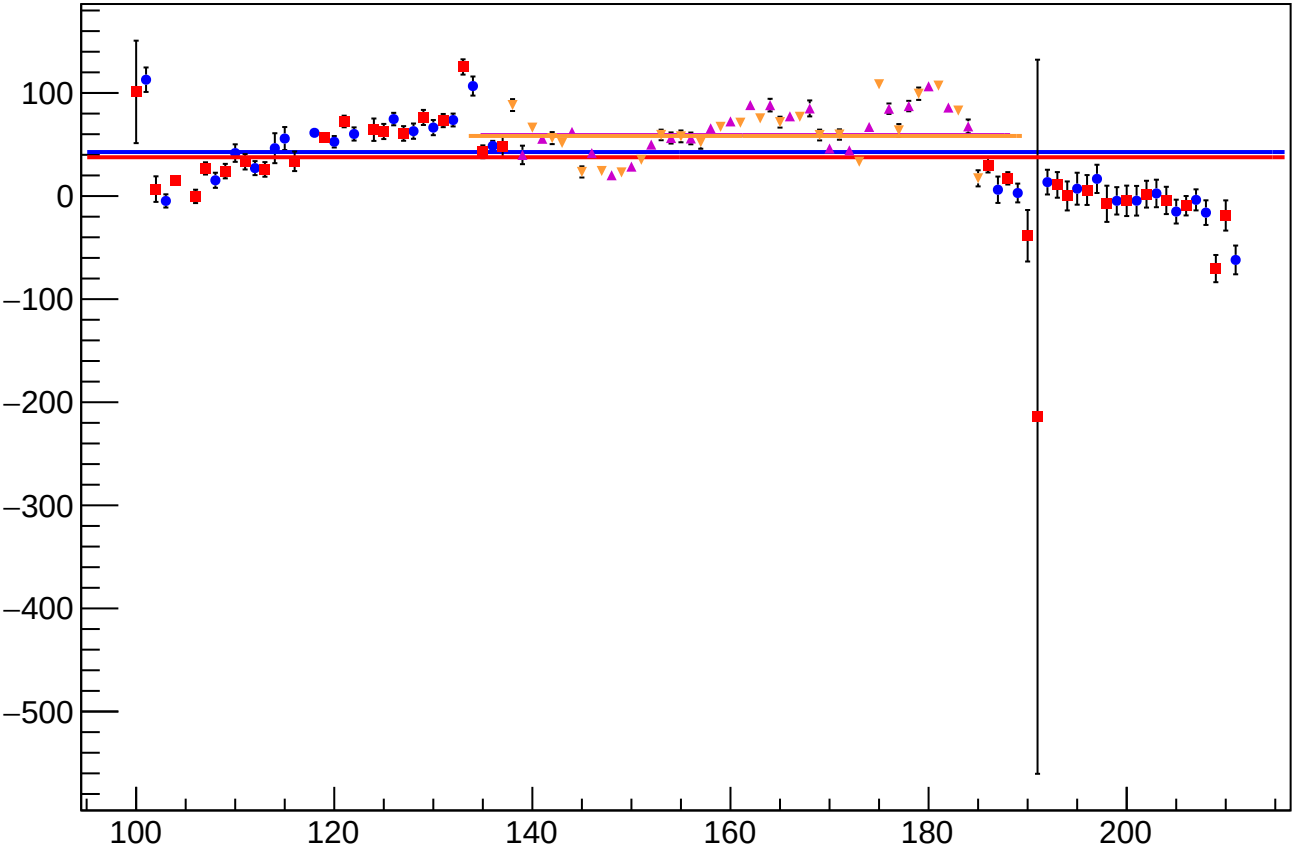
Left In: 253.248+/-1.093 χ^2/NDF:2059.7/22

+ sign 280.791+/-0.807 χ^2/NDF: 9899.5/52

All: 285.011+/-0.554 χ^2/NDF: 24210.9/108

- sign 288.773+/-0.762 χ^2/NDF: 14259.8/55

reg_asym_atr_avg_diff_bpm4eY_slope vs Slug



Right In: 42.699+/-1.531 χ^2/NDF: 458.2/27

Left Out: 58.306+/-0.911 χ^2/NDF:850.2/24

Right Out: 37.646+/-1.415 χ^2/NDF: 535.9/32

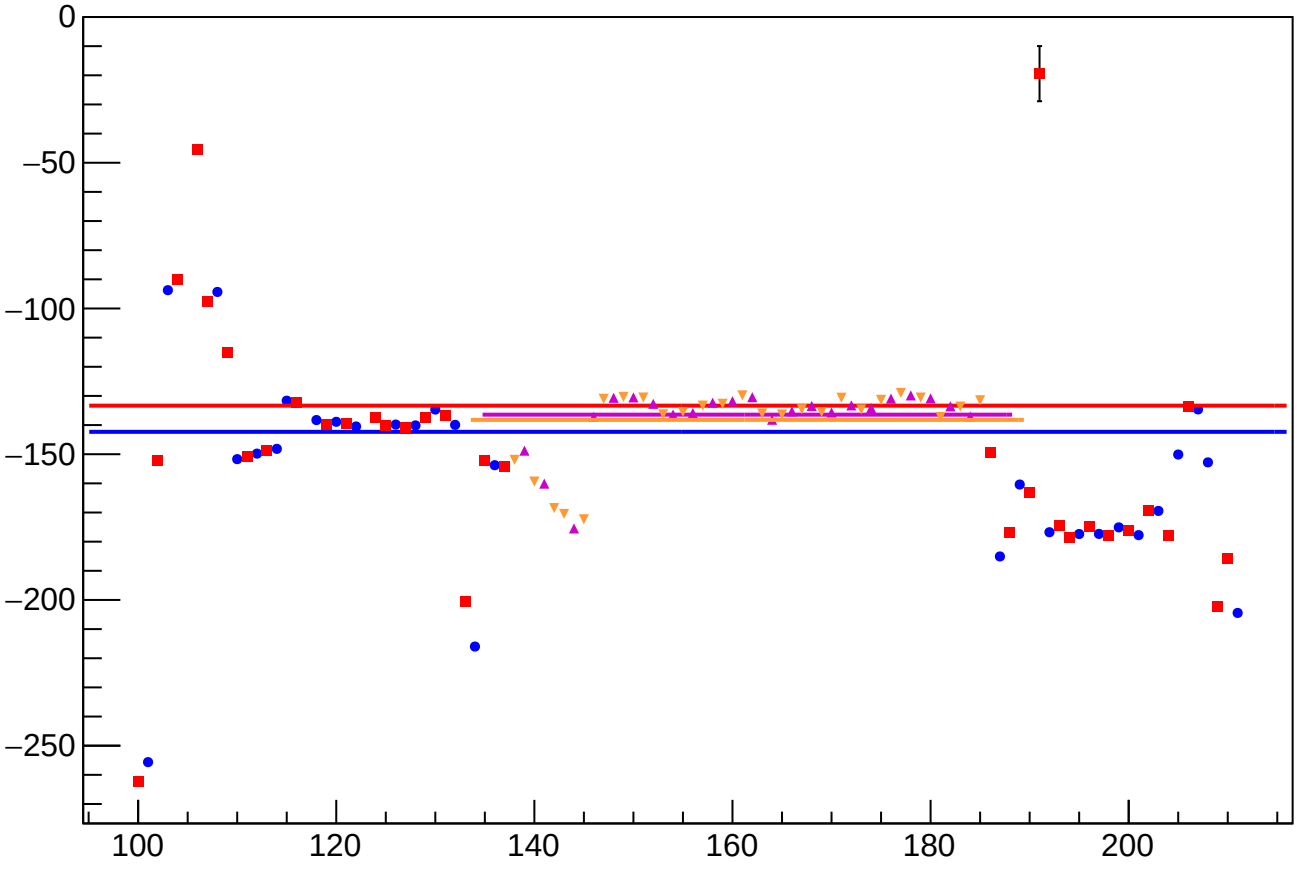
Left In: 59.151+/-0.938 χ^2/NDF:632.4/22

+ sign 54.224+/-0.783 χ^2/NDF: 1385.1/52

All: 53.401+/-0.553 χ^2/NDF: 2716.1/108

- sign 52.581+/-0.782 χ^2/NDF: 1328.8/55

reg_asym_atr_avg_diff_bpm12X_slope vs Slug



Right In: -142.319+/-0.075 χ^2/NDF: 244613.4/27

Left Out: -138.218+/-0.042 χ^2/NDF:81828.6/24

Right Out: -133.337+/-0.071 χ^2/NDF: 351965.9/32

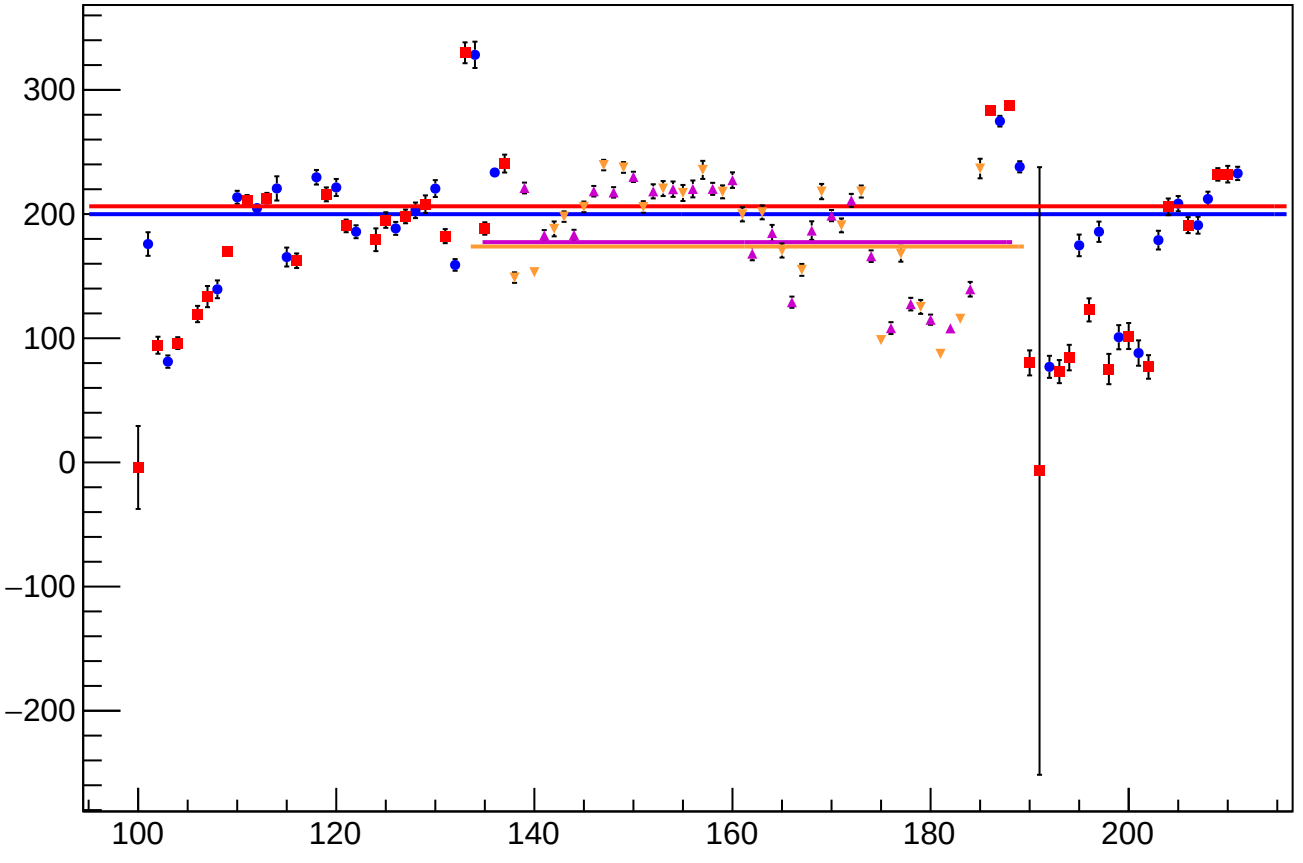
Left In: -136.429+/-0.043 χ^2/NDF:49792.9/22

+ sign -139.216+/-0.037 χ^2/NDF: 328709.4/52

All: -137.390+/-0.026 χ^2/NDF: 736709.9/108

- sign -135.596+/-0.037 χ^2/NDF: 403161.2/55

reg_asym_atr_dd_diff_bpm1X_slope vs Slug



Right In: 199.917+/-1.118 χ^2/NDF: 1908.3/27

Left Out: 173.862+/-0.962 χ^2/NDF:2627.6/24

Right Out: 206.268+/-0.995 χ^2/NDF: 4241.2/32

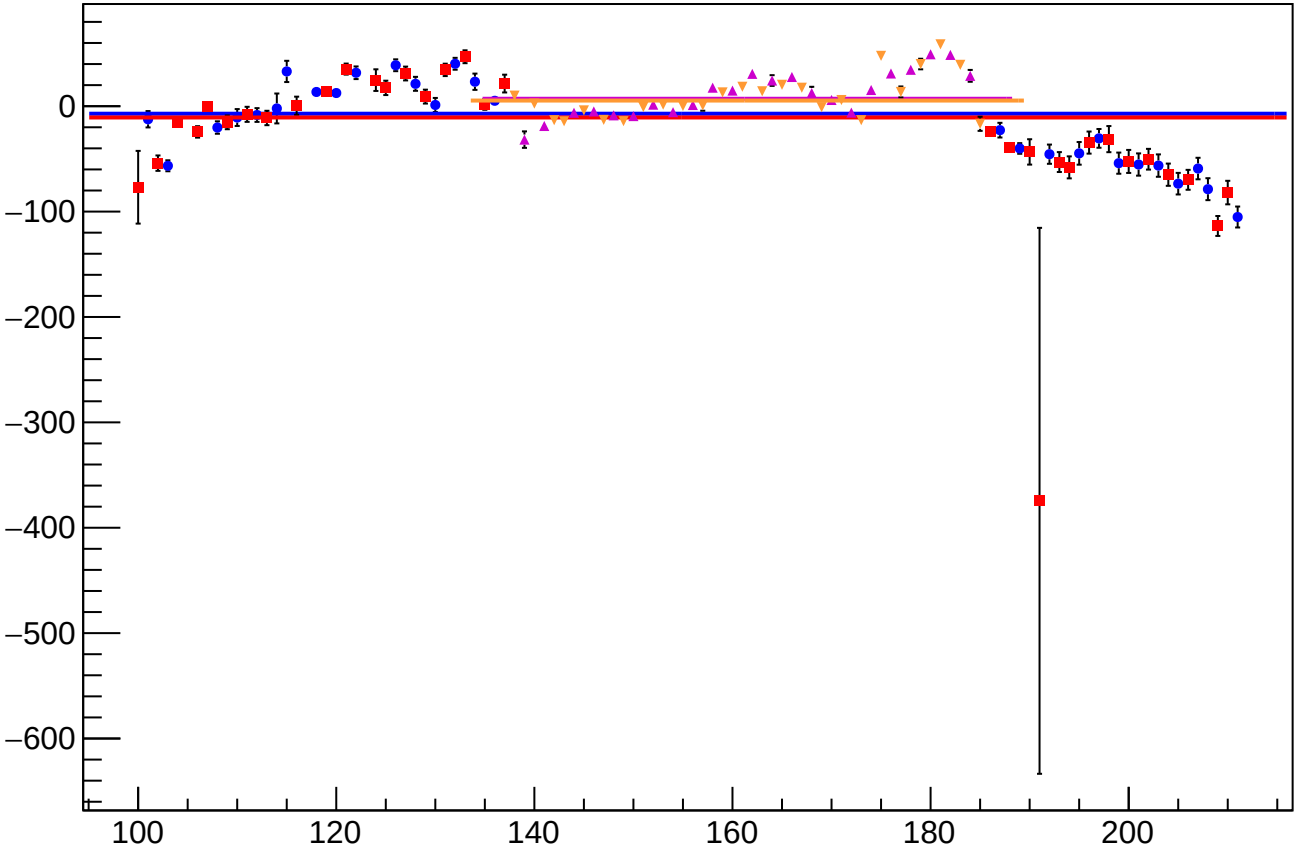
Left In: 177.403+/-0.996 χ^2/NDF:1963.0/22

+ sign 184.946+/-0.729 χ^2/NDF: 4847.9/52

All: 188.522+/-0.506 χ^2/NDF: 11519.2/108

- sign 191.851+/-0.704 χ^2/NDF: 6625.0/55

reg_asym_atr_dd_diff_bpm4aY_slope vs Slug



Right In: -7.128+/-1.250 χ^2/NDF: 750.7/27

Left Out: 5.363+/-0.710 χ^2/NDF:810.0/24

Right Out: -10.697+/-1.124 χ^2/NDF: 824.9/32

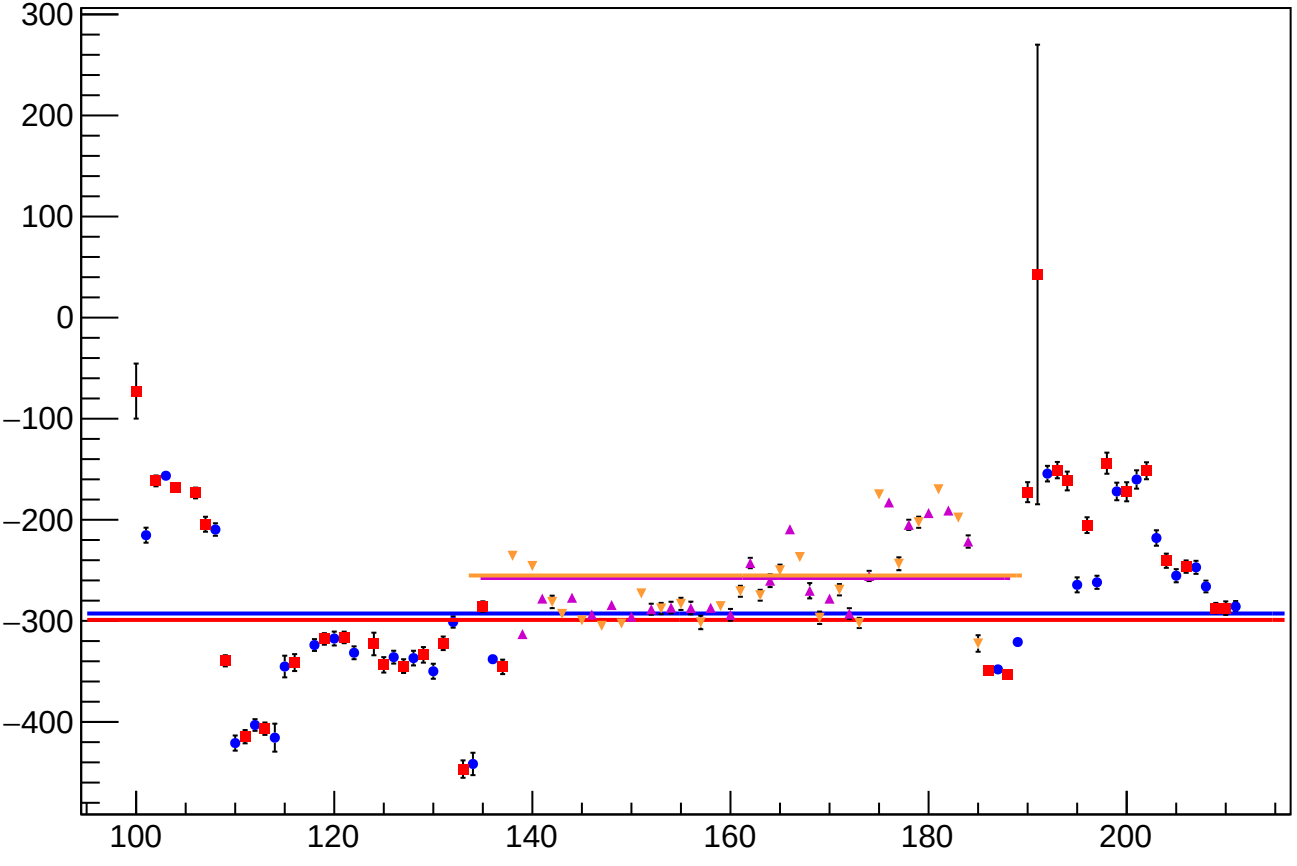
Left In: 7.061+/-0.741 χ^2/NDF:709.7/22

\+ sign 2.314+/-0.618 χ^2/NDF: 1636.1/52

All: 1.995+/-0.437 χ^2/NDF: 3345.2/108

\- sign 1.675+/-0.619 χ^2/NDF: 1708.5/55

reg_asym_atr_dd_diff_bpm4eX_slope vs Slug



Right In: -292.731+/-1.123 χ^2/NDF: 4103.2/27

Left Out: -255.122+/-0.956 χ^2/NDF:2344.8/24

Right Out: -299.069+/-0.963 χ^2/NDF: 6711.5/32

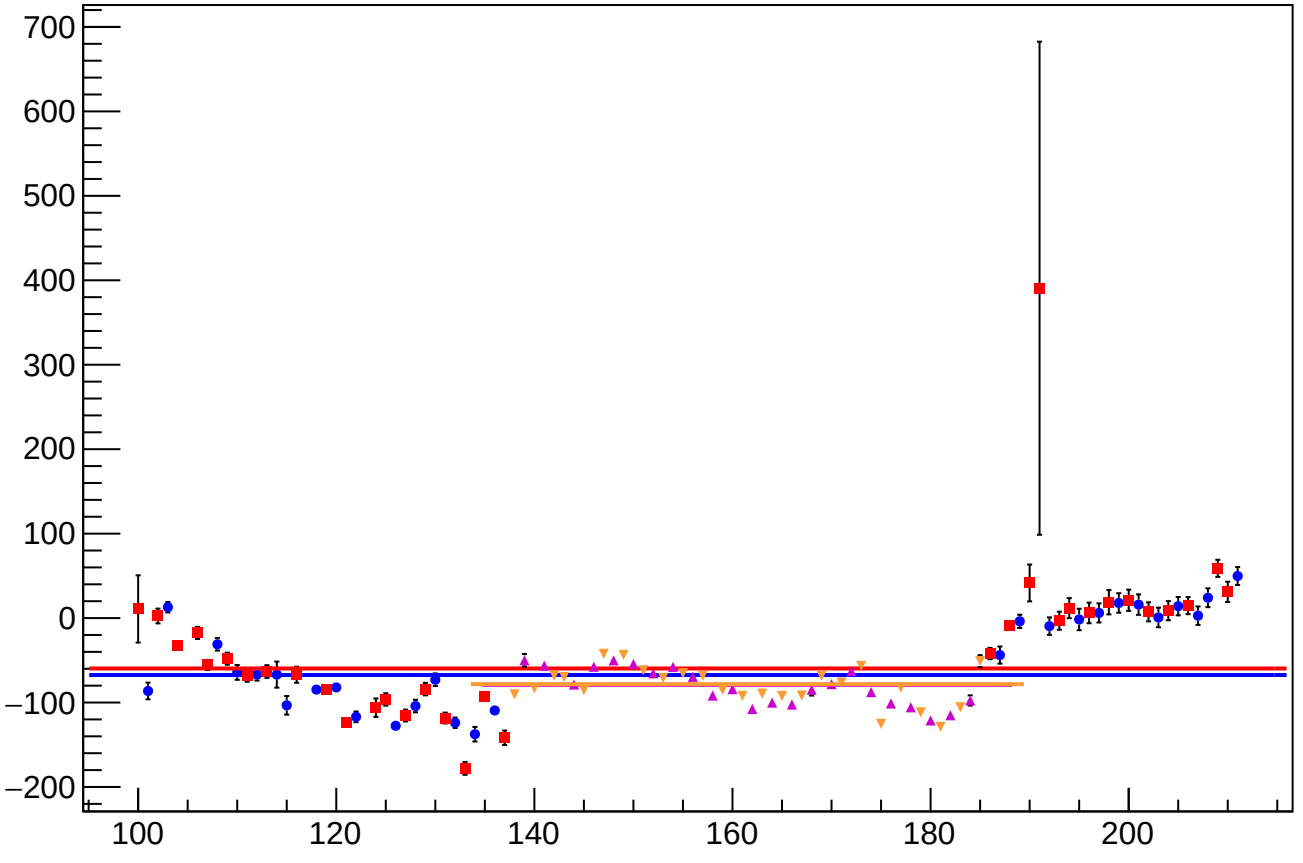
Left In: -257.600+/-0.985 χ^2/NDF:1808.1/22

+ sign -270.930+/-0.728 χ^2/NDF: 7098.1/52

All: -275.086+/-0.500 χ^2/NDF: 16585.9/108

- sign -278.802+/-0.688 χ^2/NDF: 9426.1/55

reg_asym_atr_dd_diff_bpm4eY_slope vs Slug



Right In: -67.400+/-1.458 χ^2/NDF: 1263.8/27

Left Out: -78.292+/-0.819 χ^2/NDF:868.2/24

Right Out: -59.656+/-1.349 χ^2/NDF: 1488.6/32

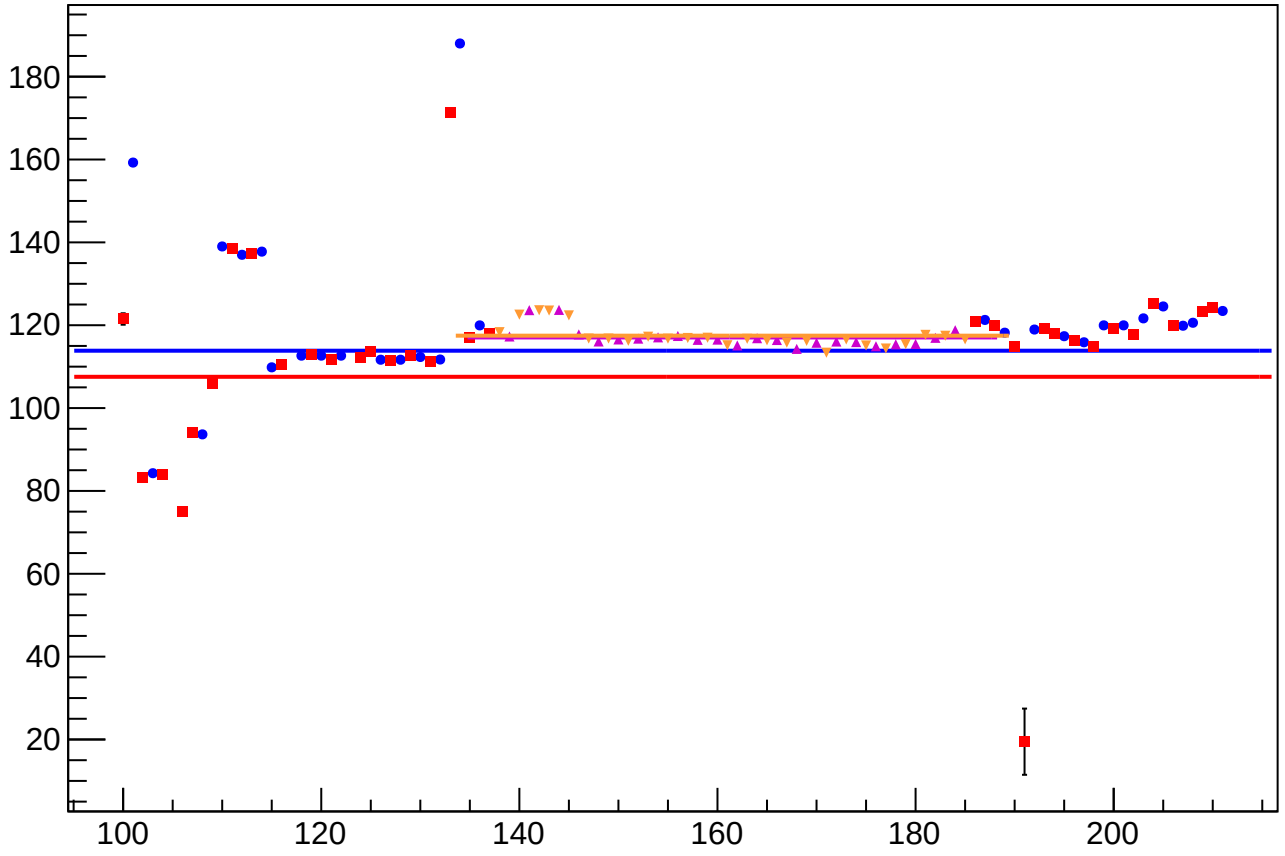
Left In: -79.066+/-0.849 χ^2/NDF:702.6/22

+ sign -75.683+/-0.714 χ^2/NDF: 2174.4/52

All: -74.629+/-0.506 χ^2/NDF: 4518.3/108

- sign -73.562+/-0.718 χ^2/NDF: 2339.5/55

reg_asym_atr_dd_diff_bpm12X_slope vs Slug



Right In: 113.846+/-0.069 χ^2/NDF: 87785.4/27

Left Out: 117.477+/-0.038 χ^2/NDF:4739.3/24

Right Out: 107.549+/-0.065 χ^2/NDF: 81141.5/32

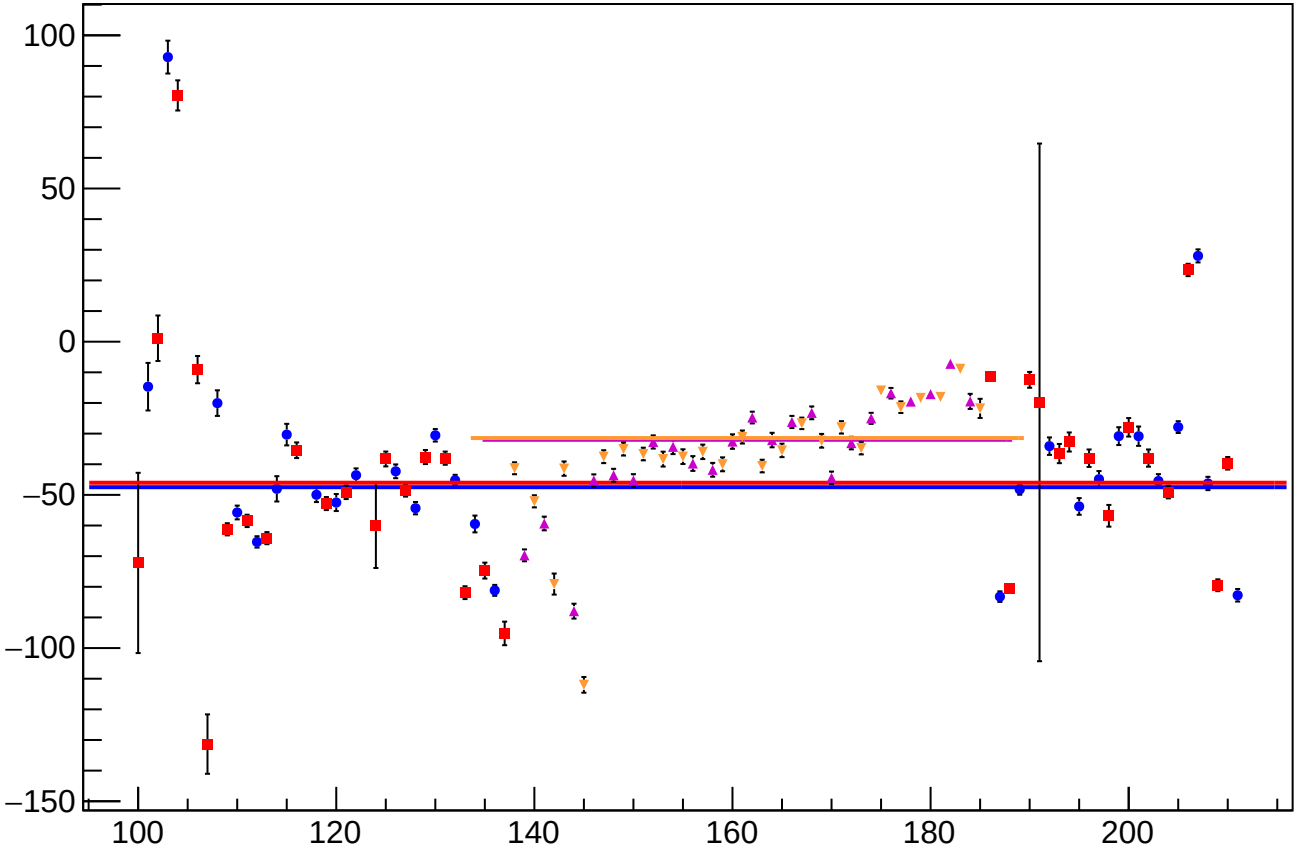
Left In: 117.046+/-0.039 χ^2/NDF:3343.0/22

+ sign 116.633+/-0.033 χ^2/NDF: 94644.8/52

All: 115.590+/-0.023 χ^2/NDF: 196951.7/108

- sign 114.556+/-0.033 χ^2/NDF: 100352.2/55

reg_asym_at1_avg_diff_bpm1X_slope vs Slug



Right In: -47.492+/-0.442 χ^2/NDF: 3513.8/27

Left Out: -31.452+/-0.399 χ^2/NDF:1992.2/24

Right Out: -46.030+/-0.395 χ^2/NDF: 5706.0/32

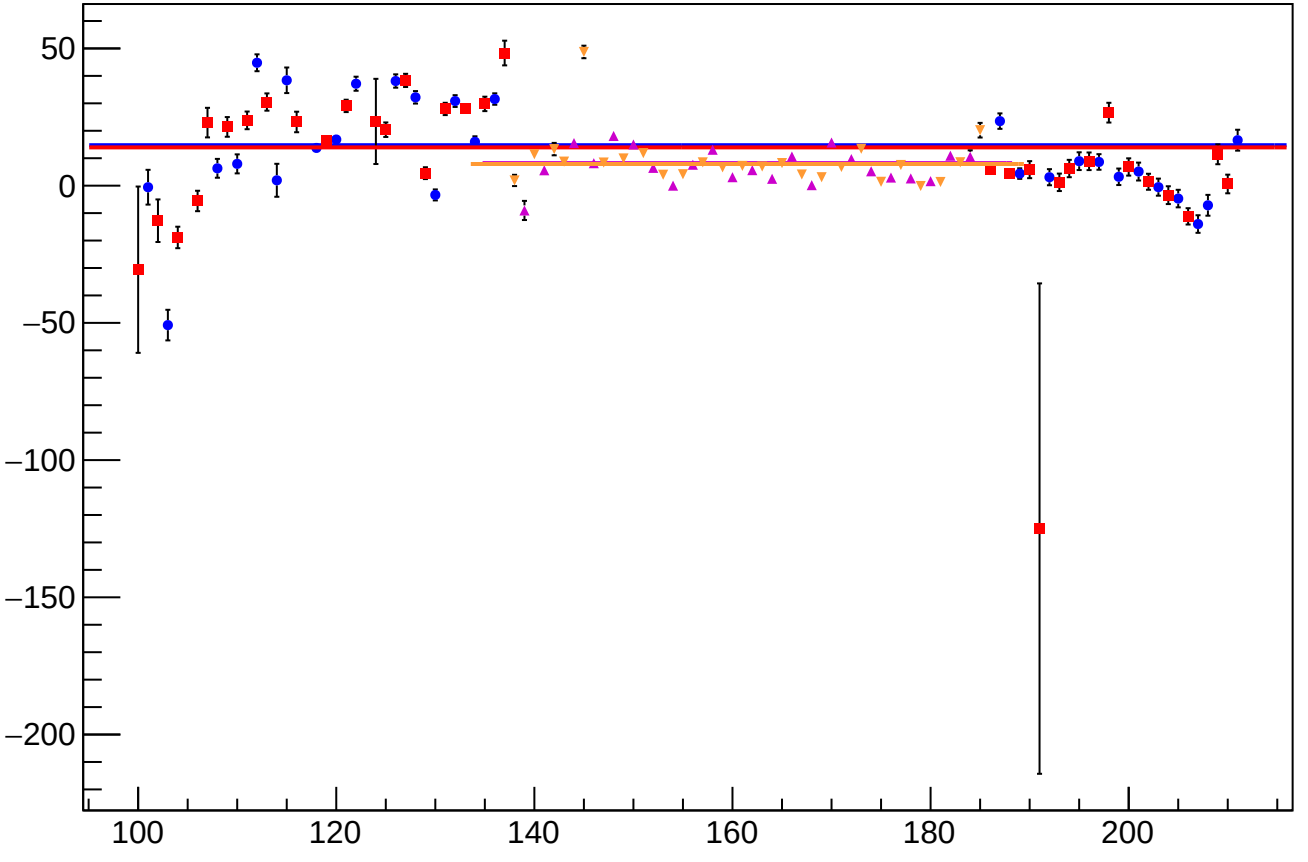
Left In: -32.015+/-0.409 χ^2/NDF:1913.4/22

+ sign -38.646+/-0.296 χ^2/NDF: 6231.2/52

All: -38.969+/-0.205 χ^2/NDF: 14460.1/108

- sign -39.267+/-0.284 χ^2/NDF: 8226.6/55

reg_asym_at1_avg_diff_bpm4aY_slope vs Slug



Right In: 14.746+/-0.497 χ^2/NDF: 972.8/27

Left Out: 7.897+/-0.304 χ^2/NDF:490.5/24

Right Out: 13.945+/-0.458 χ^2/NDF: 829.0/32

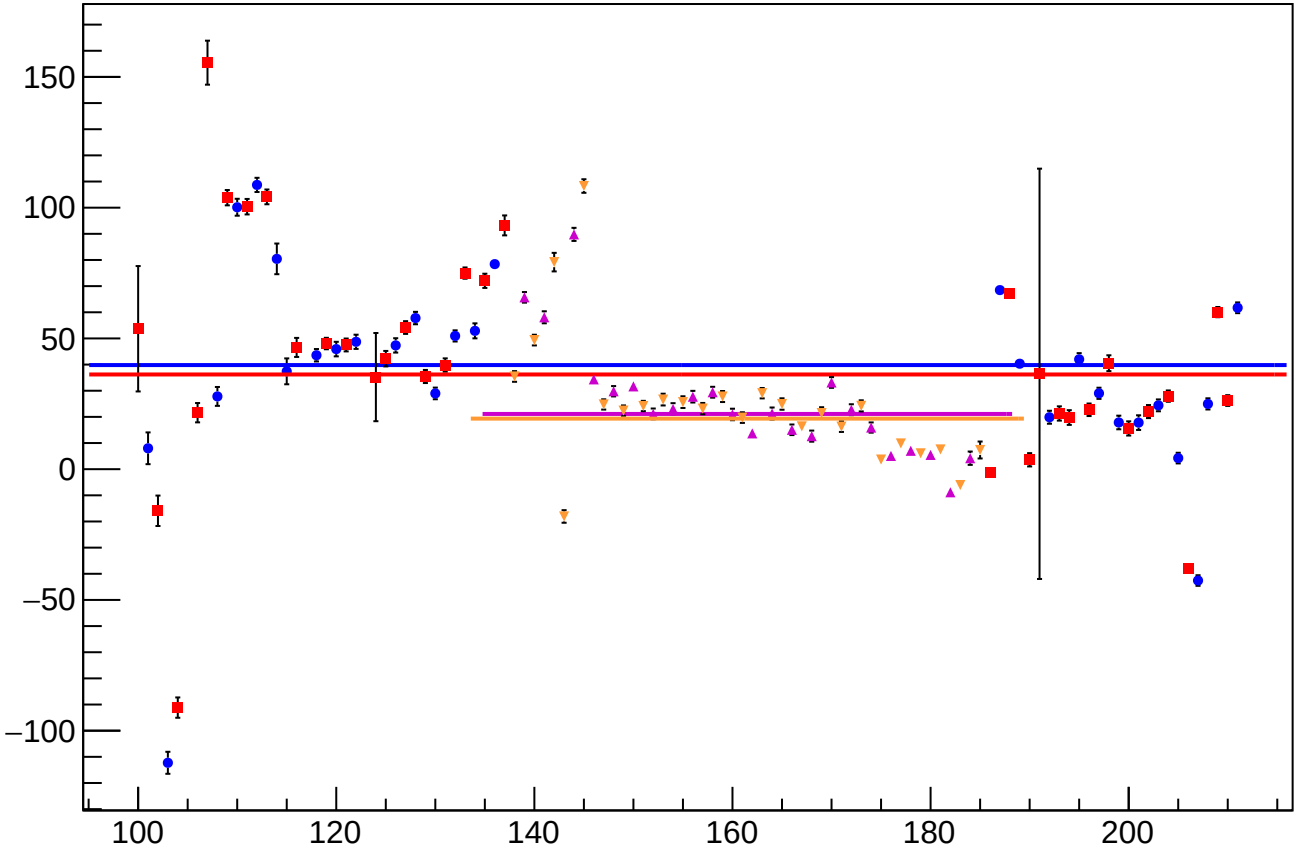
Left In: 8.223+/-0.316 χ^2/NDF:338.8/22

+ sign 9.760+/-0.259 χ^2/NDF: 1601.5/52

All: 9.912+/-0.184 χ^2/NDF: 2875.9/108

- sign 10.065+/-0.260 χ^2/NDF: 1273.7/55

reg_asym_at1_avg_diff_bpm4eX_slope vs Slug



Right In: 39.813+/-0.448 χ^2/NDF: 5789.8/27

Left Out: 19.339+/-0.396 χ^2/NDF:2682.4/24

Right Out: 36.217+/-0.380 χ^2/NDF: 9283.0/32

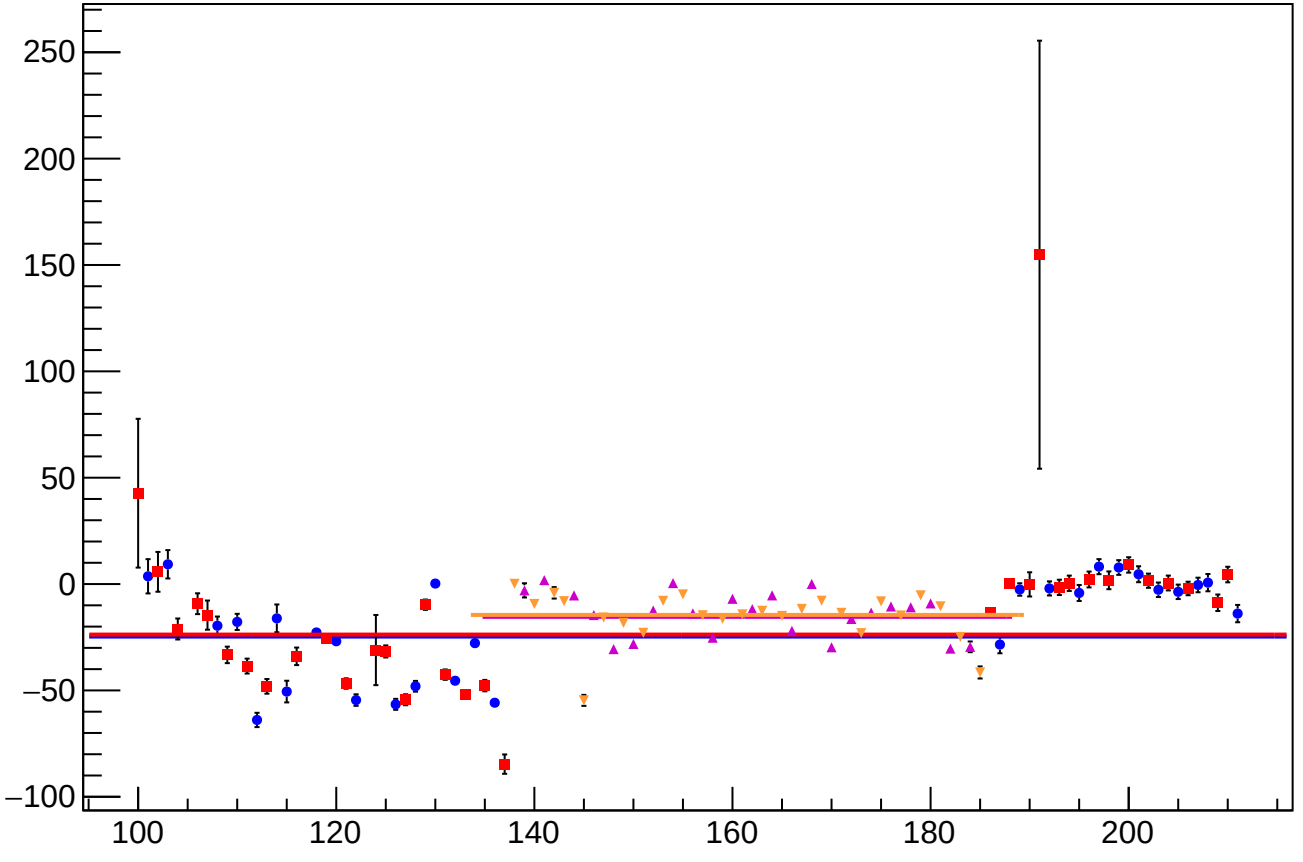
Left In: 21.124+/-0.405 χ^2/NDF:2504.8/22

+ sign 28.315+/-0.296 χ^2/NDF: 9646.6/52

All: 28.762+/-0.202 χ^2/NDF: 22178.3/108

- sign 29.152+/-0.277 χ^2/NDF: 12527.4/55

reg_asym_at1_avg_diff_bpm4eY_slope vs Slug



Right In: -24.682+/-0.578 χ^2/NDF: 1540.6/27

Left Out: -14.502+/-0.344 χ^2/NDF:641.0/24

Right Out: -23.750+/-0.552 χ^2/NDF: 1582.9/32

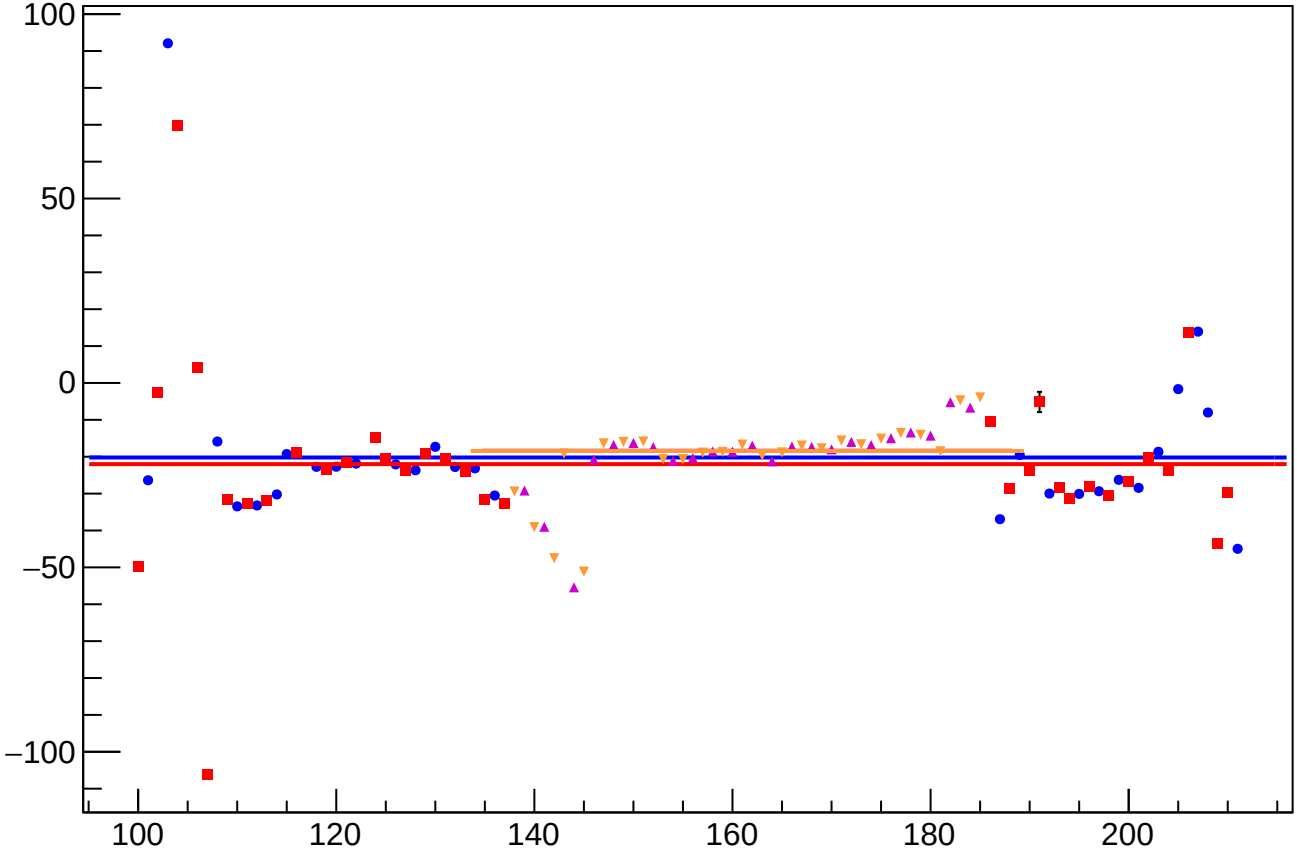
Left In: -15.417+/-0.355 χ^2/NDF:798.7/22

+ sign -17.164+/-0.296 χ^2/NDF: 2410.6/52

All: -17.506+/-0.210 χ^2/NDF: 4956.0/108

- sign -17.856+/-0.299 χ^2/NDF: 2542.7/55

reg_asym_at1_avg_diff_bpm12X_slope vs Slug



Right In: -20.210+/-0.028 χ^2/NDF: 572263.9/27

Left Out: -18.450+/-0.015 χ^2/NDF:295359.2/24

Right Out: -22.008+/-0.027 χ^2/NDF: 483143.9/32

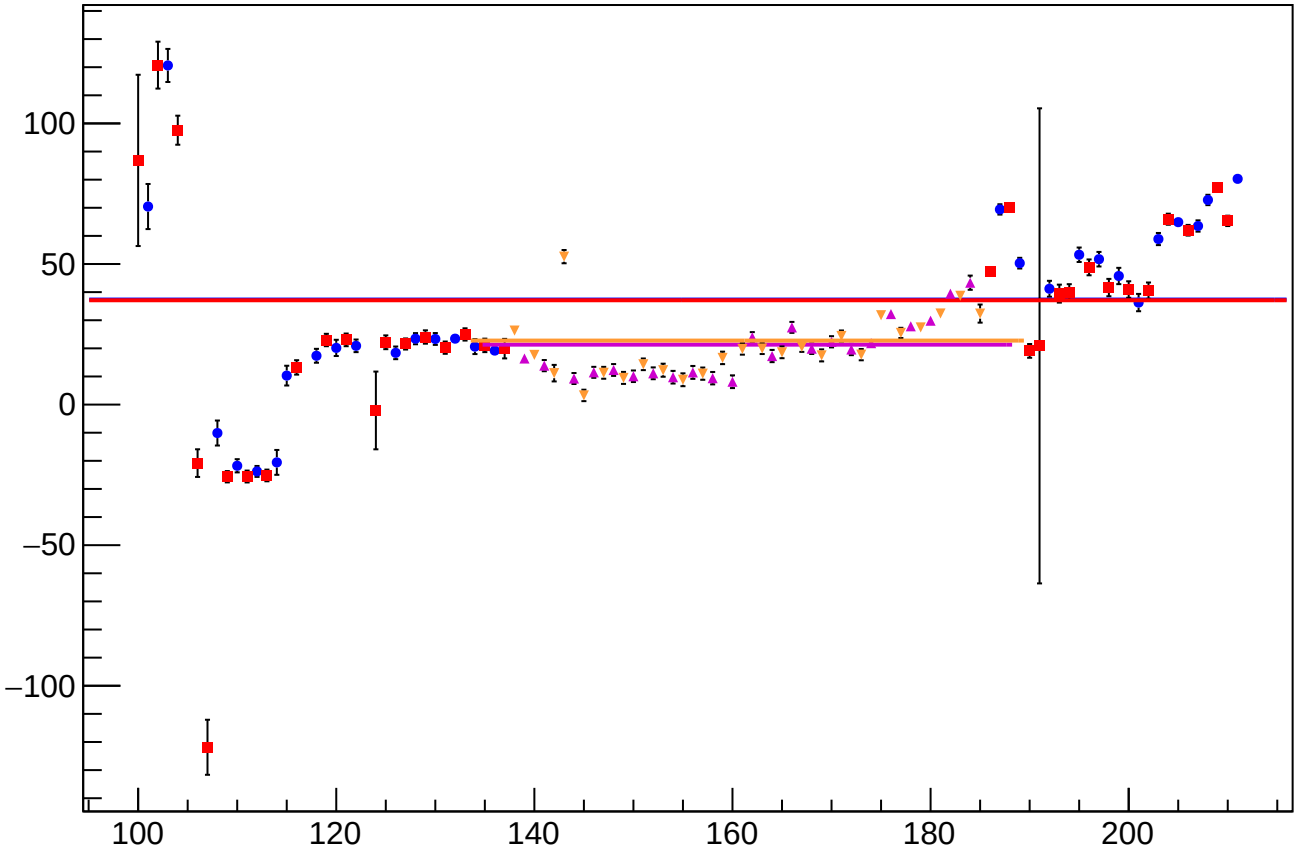
Left In: -18.378+/-0.016 χ^2/NDF:250040.9/22

+ sign -18.861+/-0.014 χ^2/NDF: 870647.4/52

All: -19.071+/-0.010 χ^2/NDF: 1617557.0/108

- sign -19.283+/-0.014 χ^2/NDF: 746428.1/55

reg_asym_at1_dd_diff_bpm1X_slope vs Slug



Right In: 37.355+/-0.435 χ^2/NDF: 4656.4/27

Left Out: 22.766+/-0.383 χ^2/NDF:722.8/24

Right Out: 37.109+/-0.402 χ^2/NDF: 6177.0/32

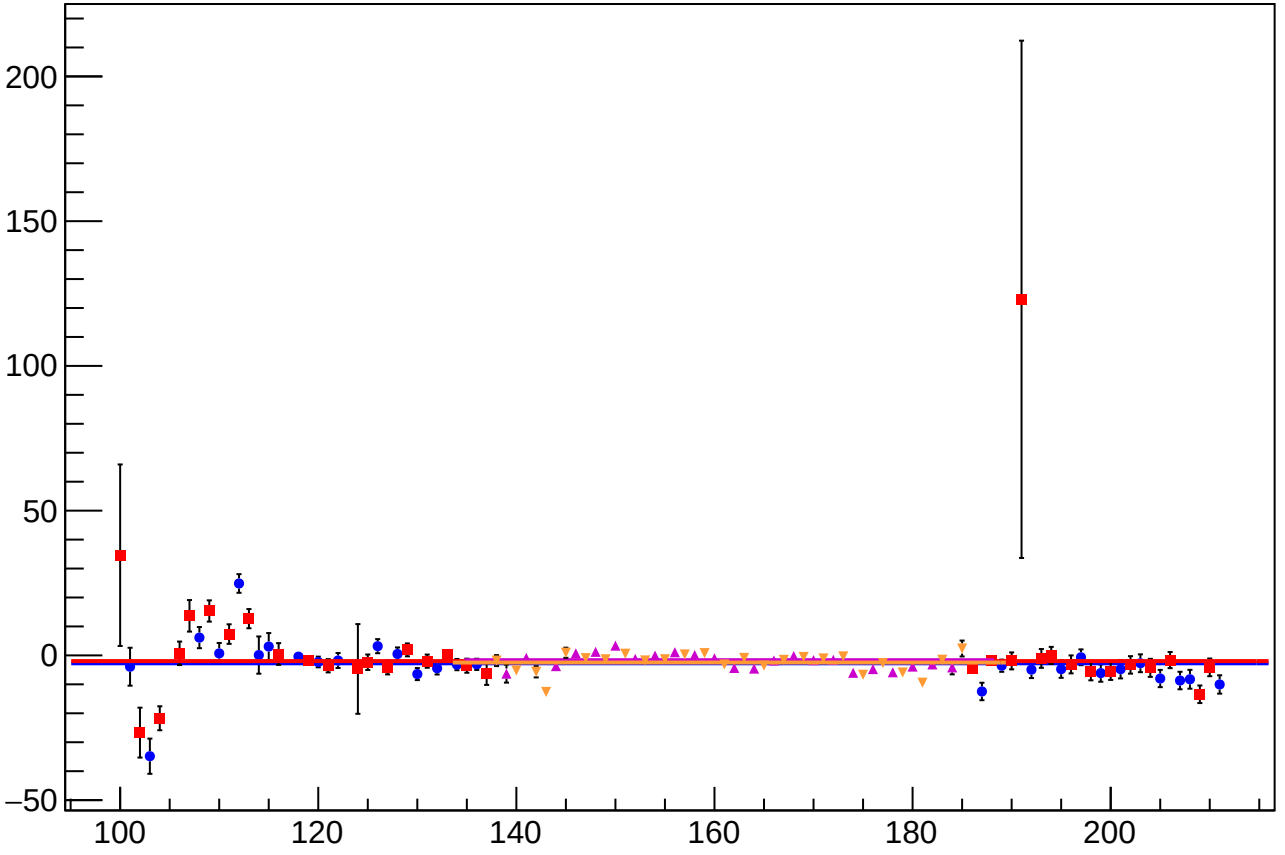
Left In: 21.325+/-0.393 χ^2/NDF:629.9/22

+ sign 29.126+/-0.287 χ^2/NDF: 6013.1/52

All: 29.076+/-0.201 χ^2/NDF: 13608.2/108

- sign 29.028+/-0.281 χ^2/NDF: 7595.0/55

reg_asym_at1_dd_diff_bpm4aY_slope vs Slug



Right In: -2.732+/-0.498 χ^2/NDF: 153.3/27

Left Out: -2.468+/-0.293 χ^2/NDF:116.7/24

Right Out: -1.969+/-0.471 χ^2/NDF: 121.7/32

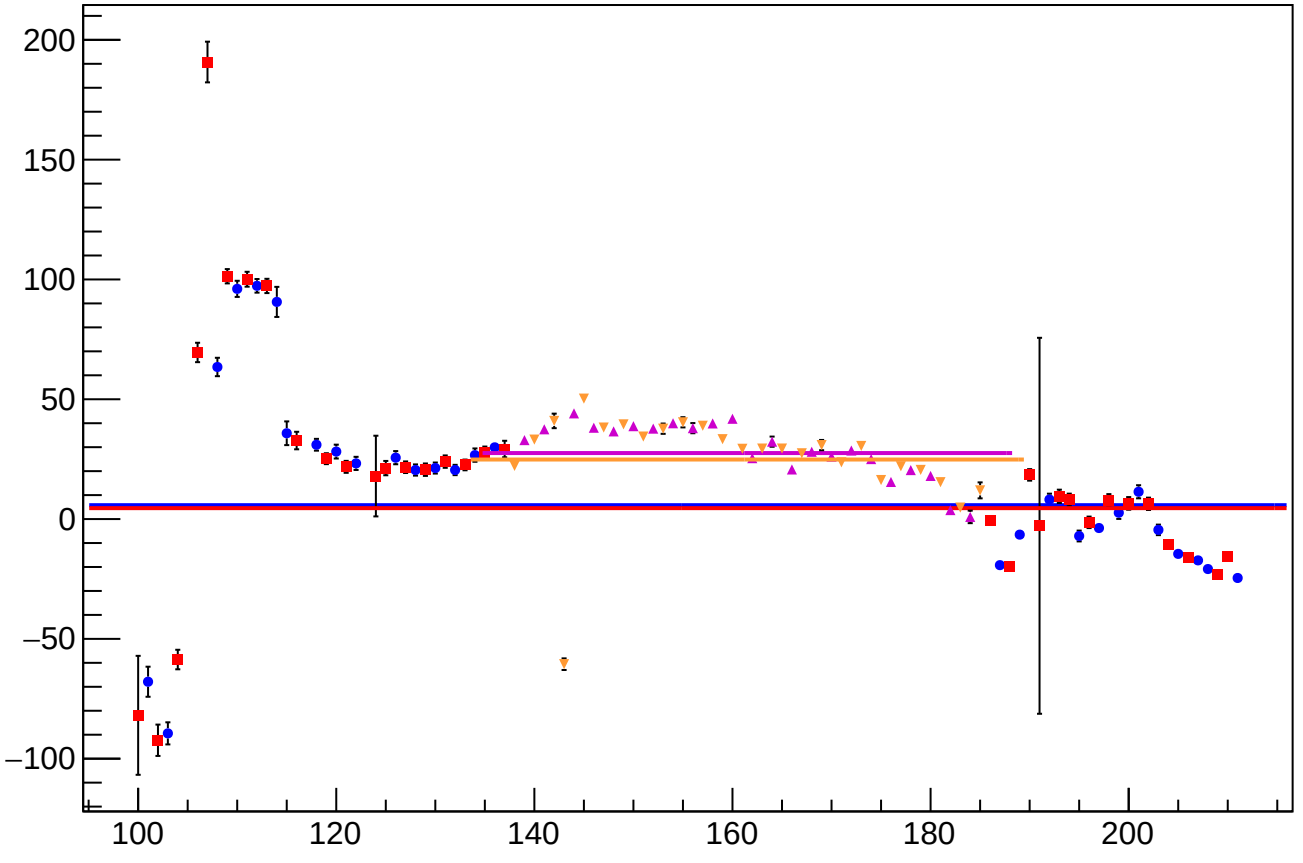
Left In: -1.659+/-0.304 χ^2/NDF:70.2/22

+ sign -2.536+/-0.253 χ^2/NDF: 270.2/52

All: -2.148+/-0.180 χ^2/NDF: 467.1/108

- sign -1.751+/-0.255 χ^2/NDF: 192.2/55

reg_asym_at1_dd_diff_bpm4eX_slope vs Slug



Right In: 5.796+/-0.442 χ^2/NDF: 4613.7/27

Left Out: 24.850+/-0.380 χ^2/NDF:2048.7/24

Right Out: 4.556+/-0.392 χ^2/NDF: 6193.7/32

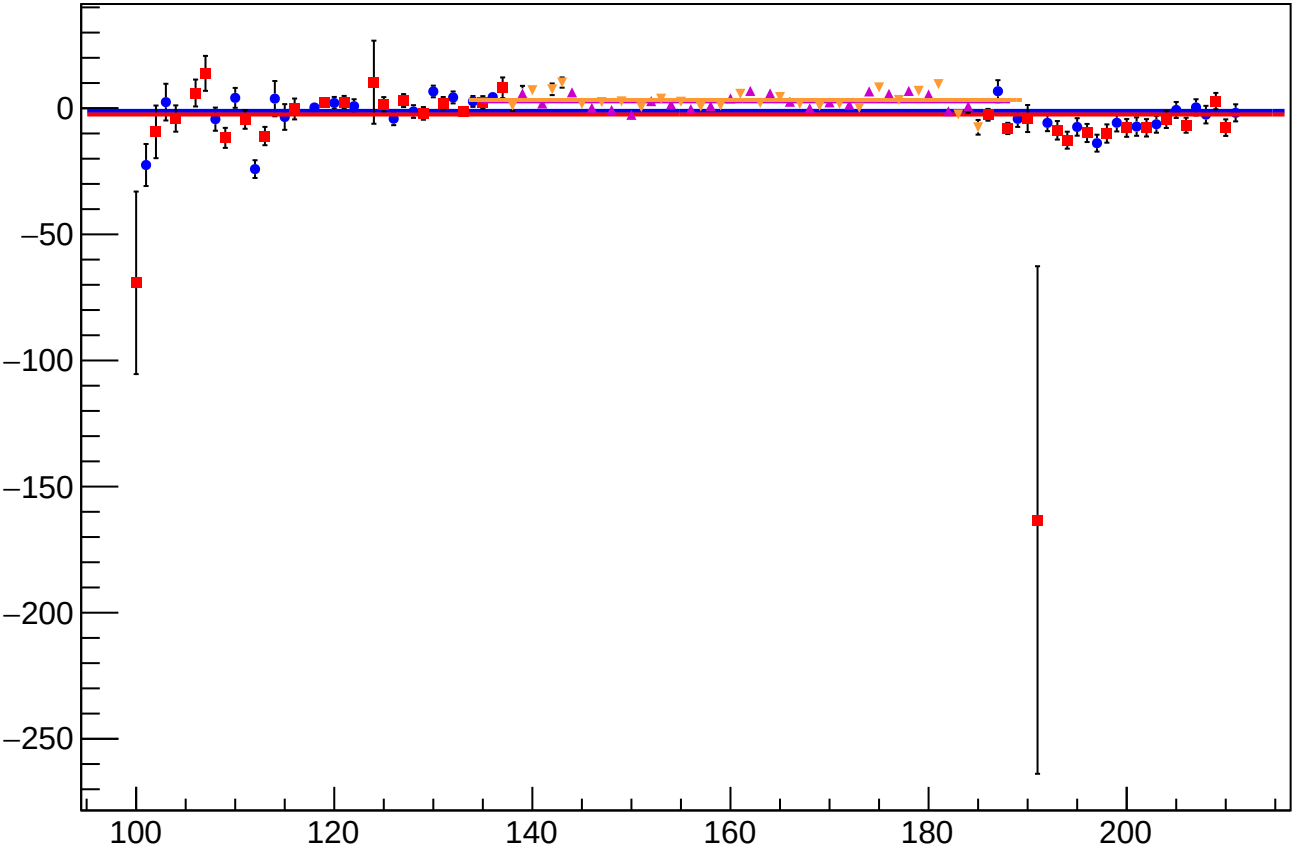
Left In: 27.551+/-0.389 χ^2/NDF:881.9/22

\+ sign 16.752+/-0.288 χ^2/NDF: 7732.2/52

All: 16.441+/-0.199 χ^2/NDF: 16542.9/108

\- sign 16.155+/-0.276 χ^2/NDF: 8808.4/55

reg_asym_at1_dd_diff_bpm4eY_slope vs Slug



Right In: -1.038+/-0.573 χ^2/NDF: 115.9/27

Left Out: 3.287+/-0.331 χ^2/NDF:106.3/24

Right Out: -2.478+/-0.560 χ^2/NDF: 96.4/32

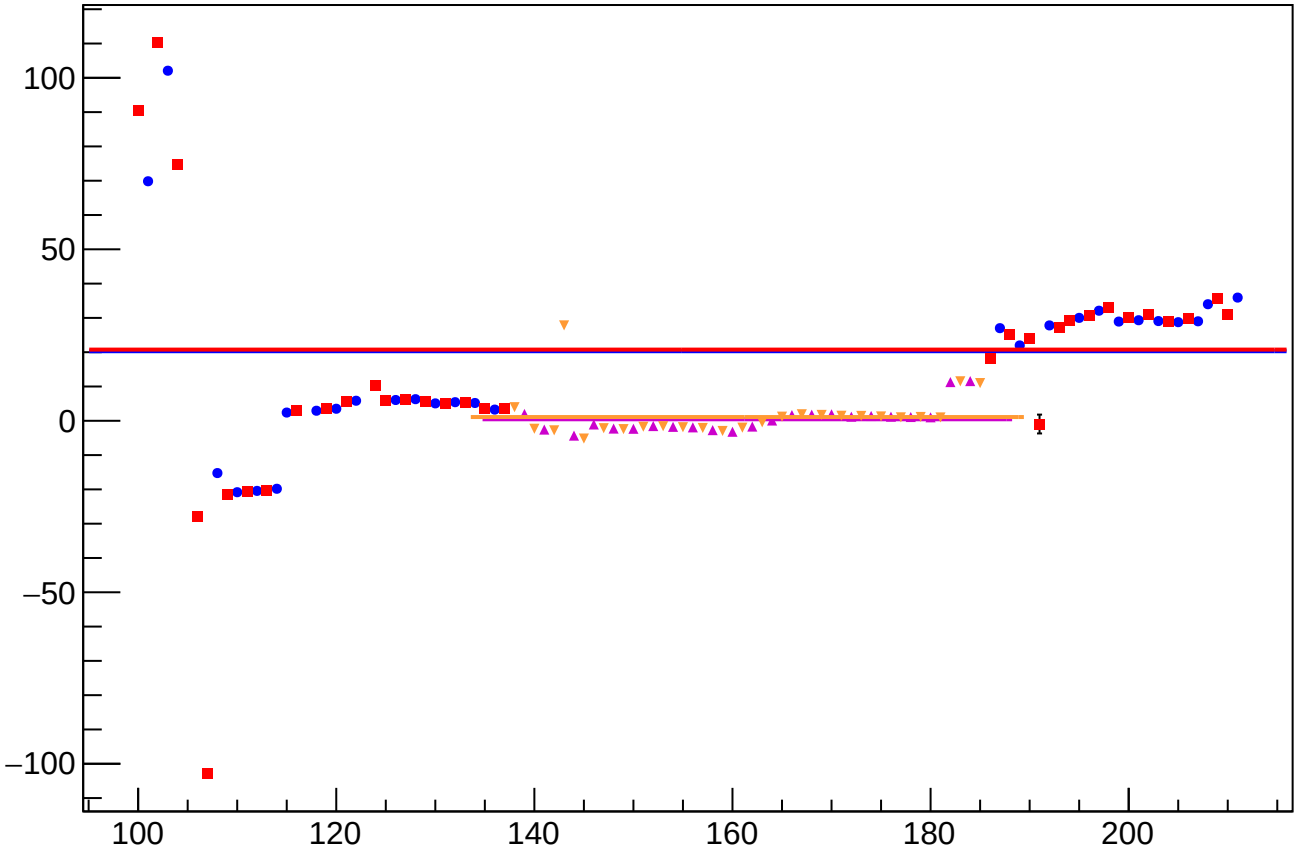
Left In: 2.730+/-0.342 χ^2/NDF:74.5/22

+ sign 2.205+/-0.287 χ^2/NDF: 264.8/52

All: 1.768+/-0.205 χ^2/NDF: 503.4/108

- sign 1.315+/-0.292 χ^2/NDF: 233.8/55

reg_asym_at1_dd_diff_bpm12X_slope vs Slug



Right In: 20.285+/-0.027 χ^2/NDF: 493455.3/27

Left Out: 1.094+/-0.015 χ^2/NDF:128801.7/24

Right Out: 20.759+/-0.027 χ^2/NDF: 638831.1/32

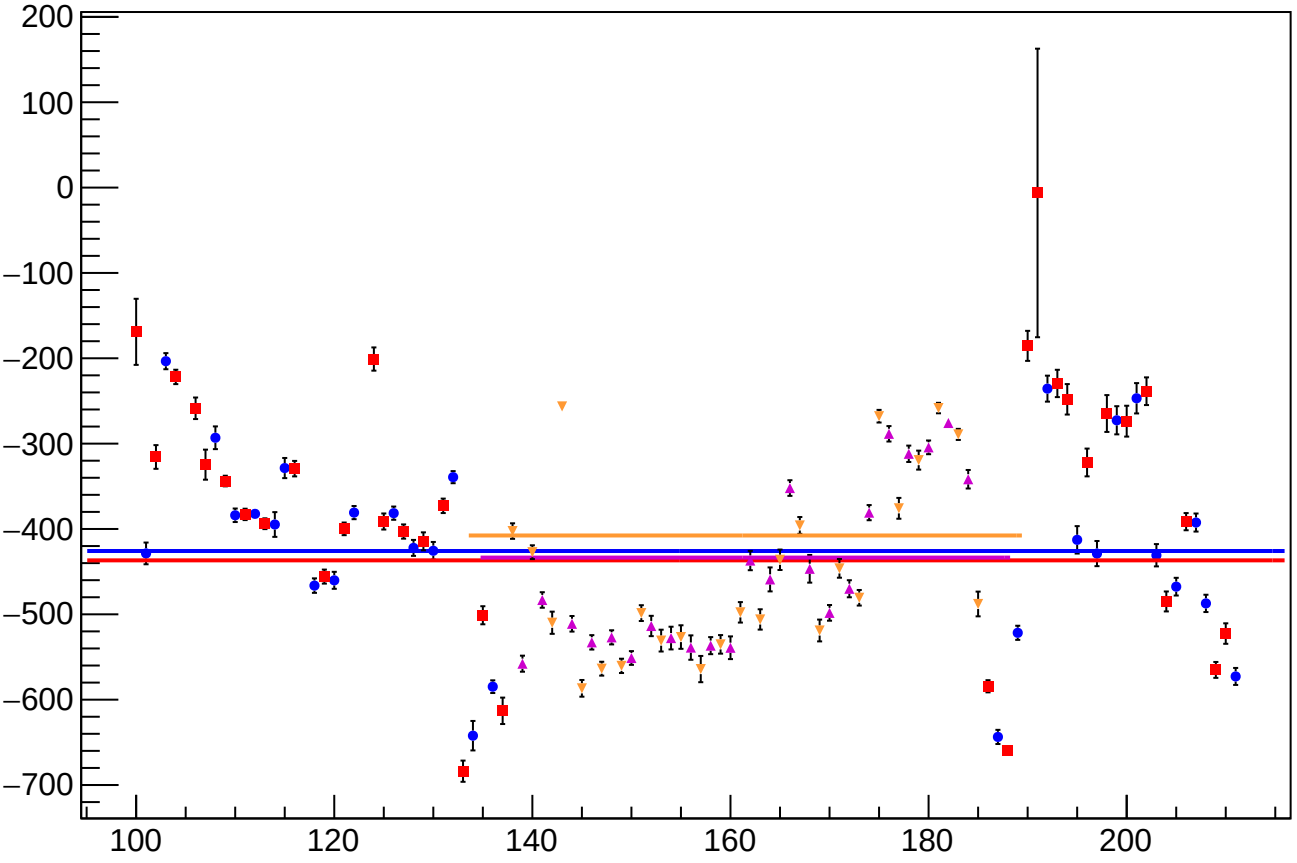
Left In: 0.443+/-0.015 χ^2/NDF:53446.3/22

+ sign 5.475+/-0.013 χ^2/NDF: 1004100.9/52

All: 5.384+/-0.009 χ^2/NDF: 2129342.0/108

- sign 5.292+/-0.013 χ^2/NDF: 1125144.4/55

reg_asym_at2_avg_diff_bpm1X_slope vs Slug



Right In: -425.817+/-1.848 χ^2/NDF: 3125.1/27

Left Out: -407.620+/-1.868 χ^2/NDF:4005.6/24

Right Out: -436.770+/-1.686 χ^2/NDF: 6600.9/32

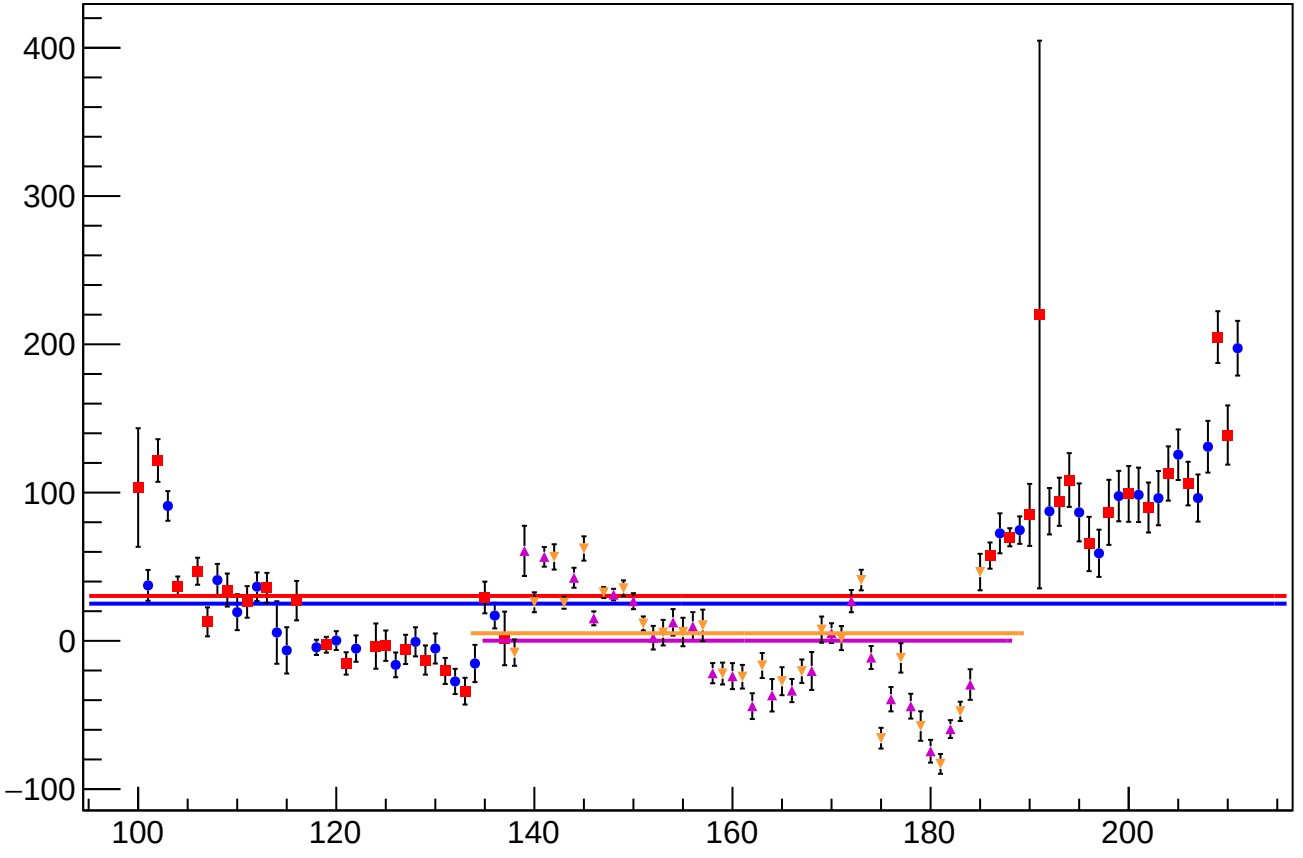
Left In: -433.529+/-1.993 χ^2/NDF:2724.5/22

+ sign -416.814+/-1.314 χ^2/NDF: 7178.7/52

All: -426.306+/-0.920 χ^2/NDF: 16607.9/108

- sign -435.418+/-1.287 χ^2/NDF: 9326.9/55

reg_asym_at2_avg_diff_bpm4aY_slope vs Slug



Right In: 25.088+/-2.017 χ^2/NDF: 502.4/27

Left Out: 5.125+/-1.379 χ^2/NDF:689.2/24

Right Out: 30.285+/-1.887 χ^2/NDF: 566.8/32

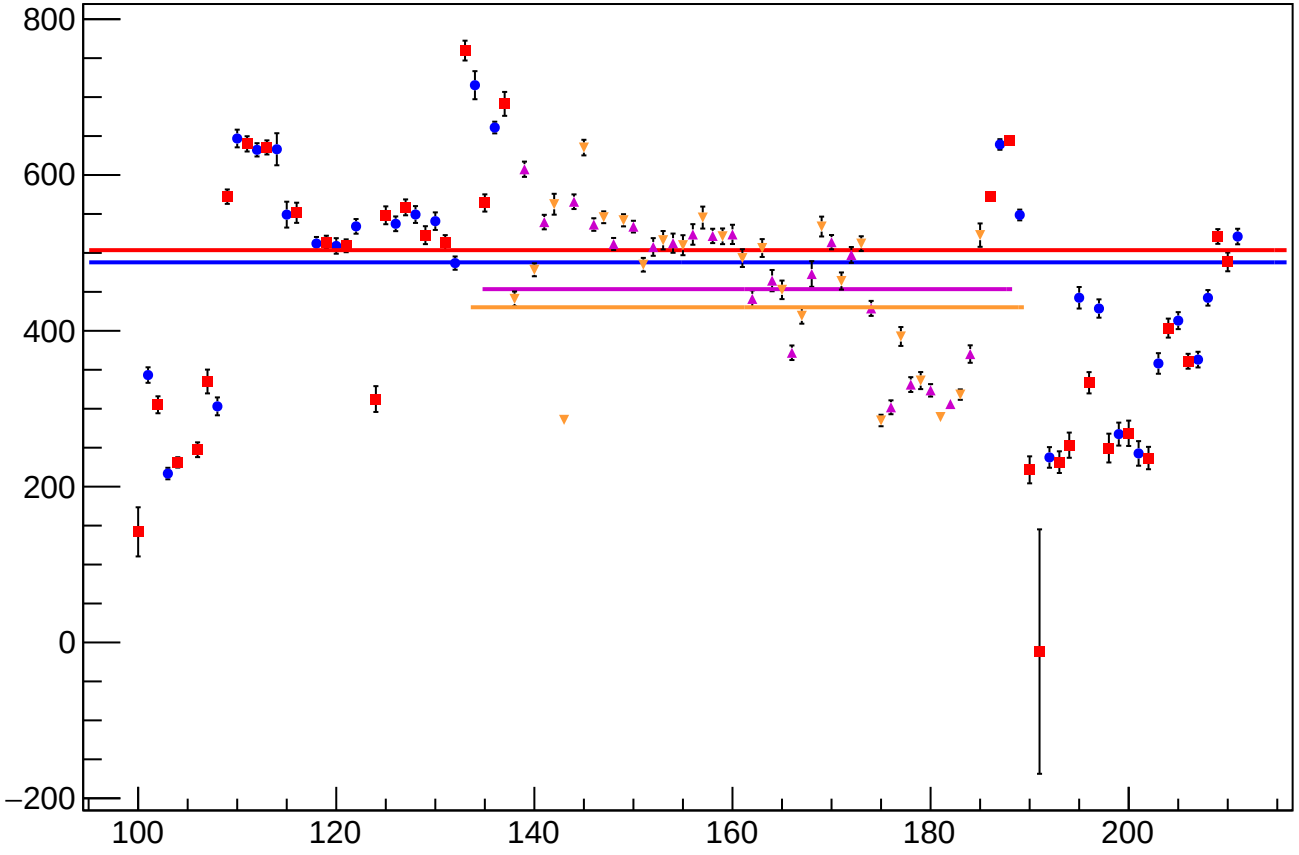
Left In: 0.124+/-1.489 χ^2/NDF:568.6/22

\+ sign 11.483+/-1.138 χ^2/NDF: 1258.3/52

All: 11.589+/-0.815 χ^2/NDF: 2551.2/108

\- sign 11.701+/-1.169 χ^2/NDF: 1292.8/55

reg_asym_at2_avg_diff_bpm4eX_slope vs Slug



Right In: 487.905+/-1.910 χ^2/NDF: 4926.0/27

Left Out: 430.238+/-1.861 χ^2/NDF:3405.1/24

Right Out: 503.544+/-1.690 χ^2/NDF: 8071.9/32

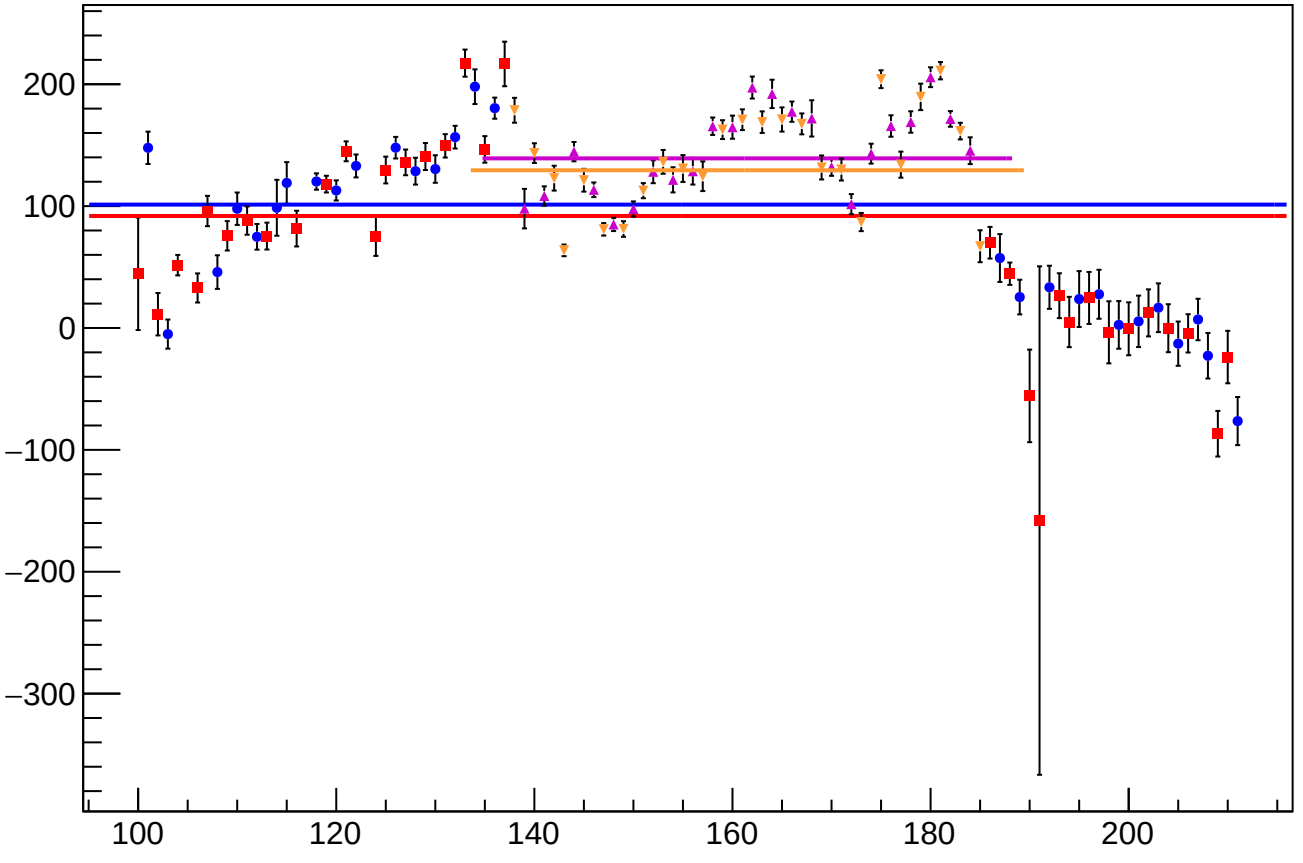
Left In: 453.496+/-1.974 χ^2/NDF:2419.7/22

+ sign 458.330+/-1.333 χ^2/NDF: 8798.8/52

All: 470.797+/-0.925 χ^2/NDF: 19830.0/108

- sign 482.367+/-1.284 χ^2/NDF: 10862.4/55

reg_asym_at2_avg_diff_bpm4eY_slope vs Slug



Right In: 101.235+/-2.362 χ^2/NDF: 674.4/27

Left Out: 129.418+/-1.593 χ^2/NDF:814.3/24

Right Out: 91.907+/-2.245 χ^2/NDF: 731.3/32

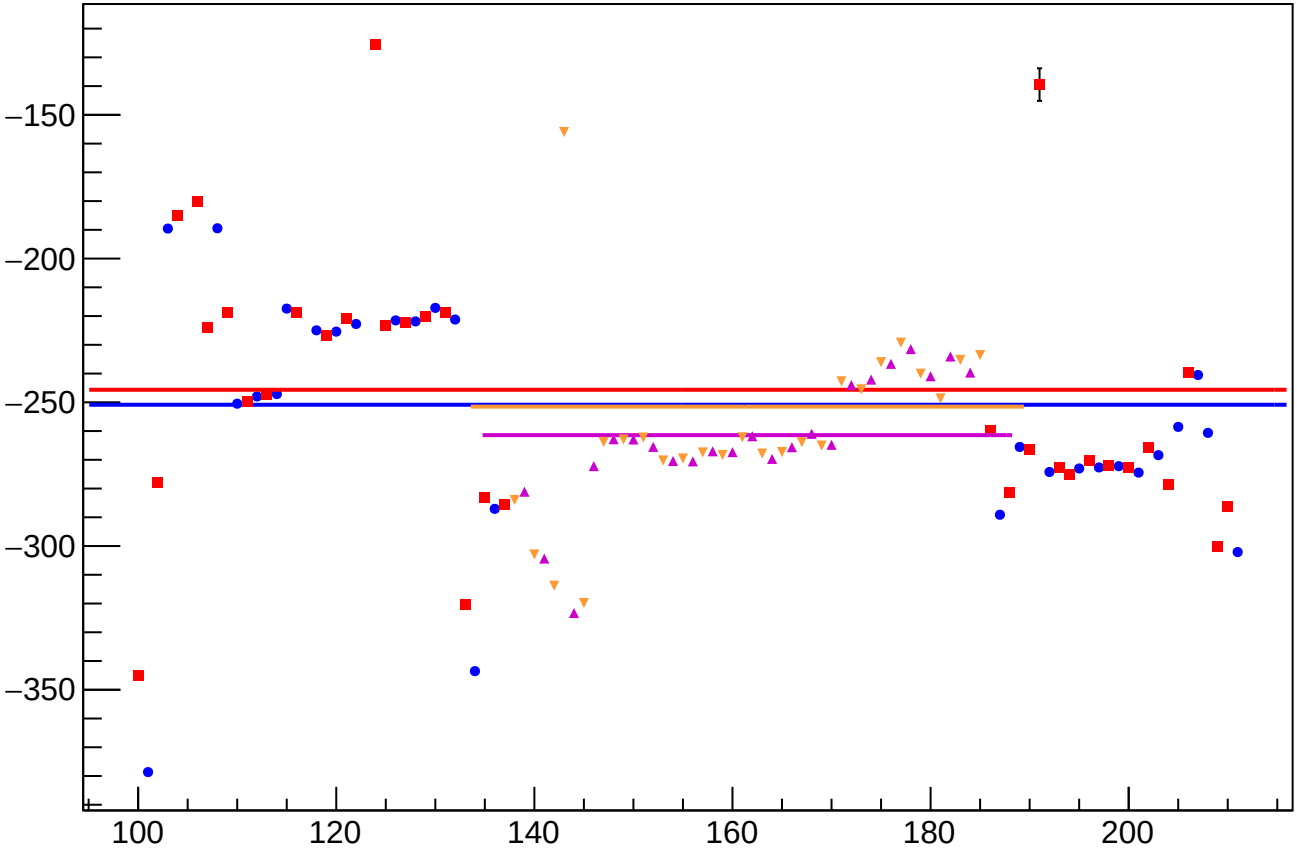
Left In: 139.163+/-1.705 χ^2/NDF:434.2/22

+ sign 120.608+/-1.320 χ^2/NDF: 1586.6/52

All: 121.225+/-0.947 χ^2/NDF: 3033.5/108

- sign 121.877+/-1.358 χ^2/NDF: 1446.5/55

reg_asym_at2_avg_diff_bpm12X_slope vs Slug



Right In: -250.850+/-0.120 χ^2/NDF: 151598.7/27

Left Out: -251.508+/-0.075 χ^2/NDF:254924.4/24

Right Out: -245.634+/-0.116 χ^2/NDF: 118325.3/32

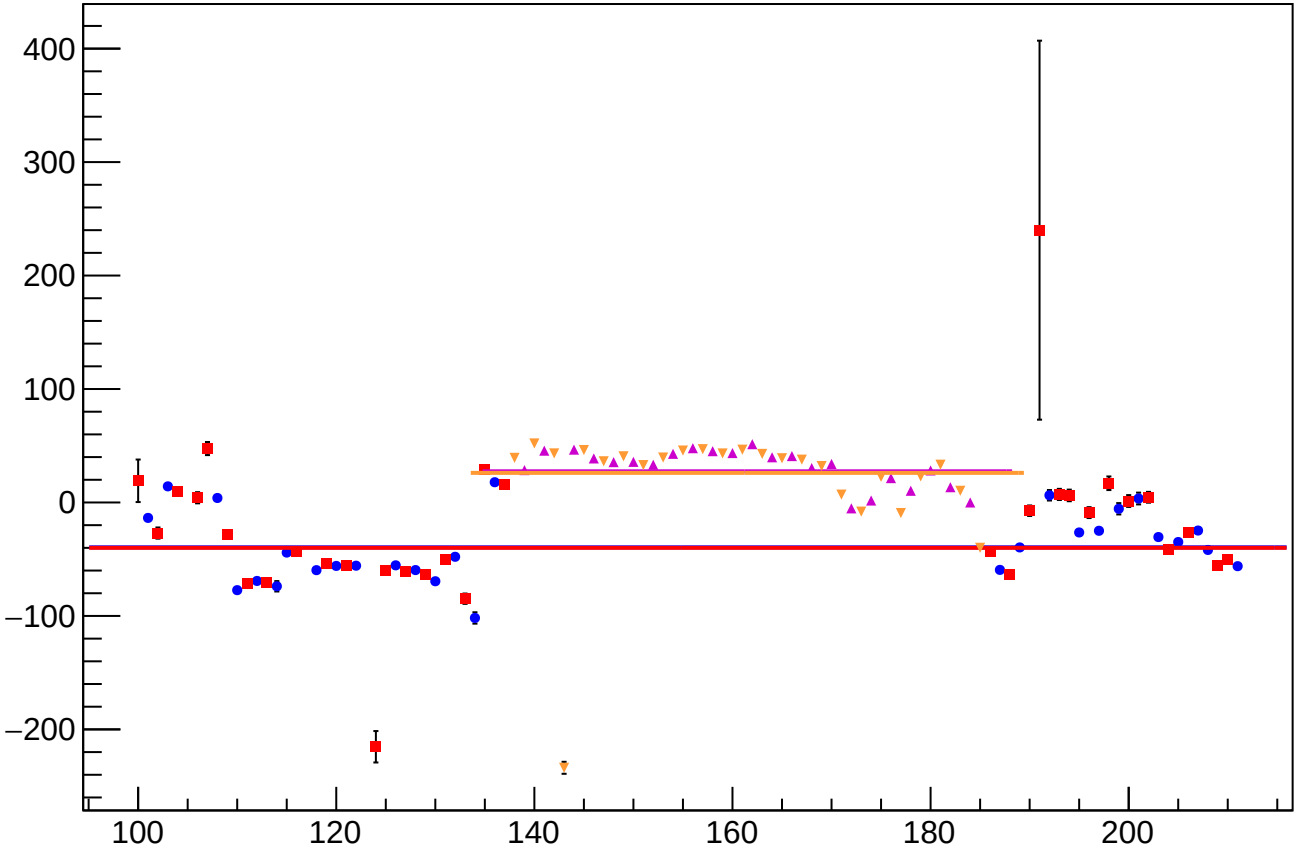
Left In: -261.425+/-0.078 χ^2/NDF:69557.7/22

+ sign -251.325+/-0.063 χ^2/NDF: 406544.7/52

All: -253.863+/-0.045 χ^2/NDF: 610524.5/108

- sign -256.497+/-0.065 χ^2/NDF: 200714.4/55

reg_asym_at2_dd_diff_bpm1X_slope vs Slug



Right In: -39.544+/-0.574 χ^2/NDF: 2783.1/27

Left Out: 26.087+/-0.390 χ^2/NDF:4785.1/24

Right Out: -39.968+/-0.516 χ^2/NDF: 3311.5/32

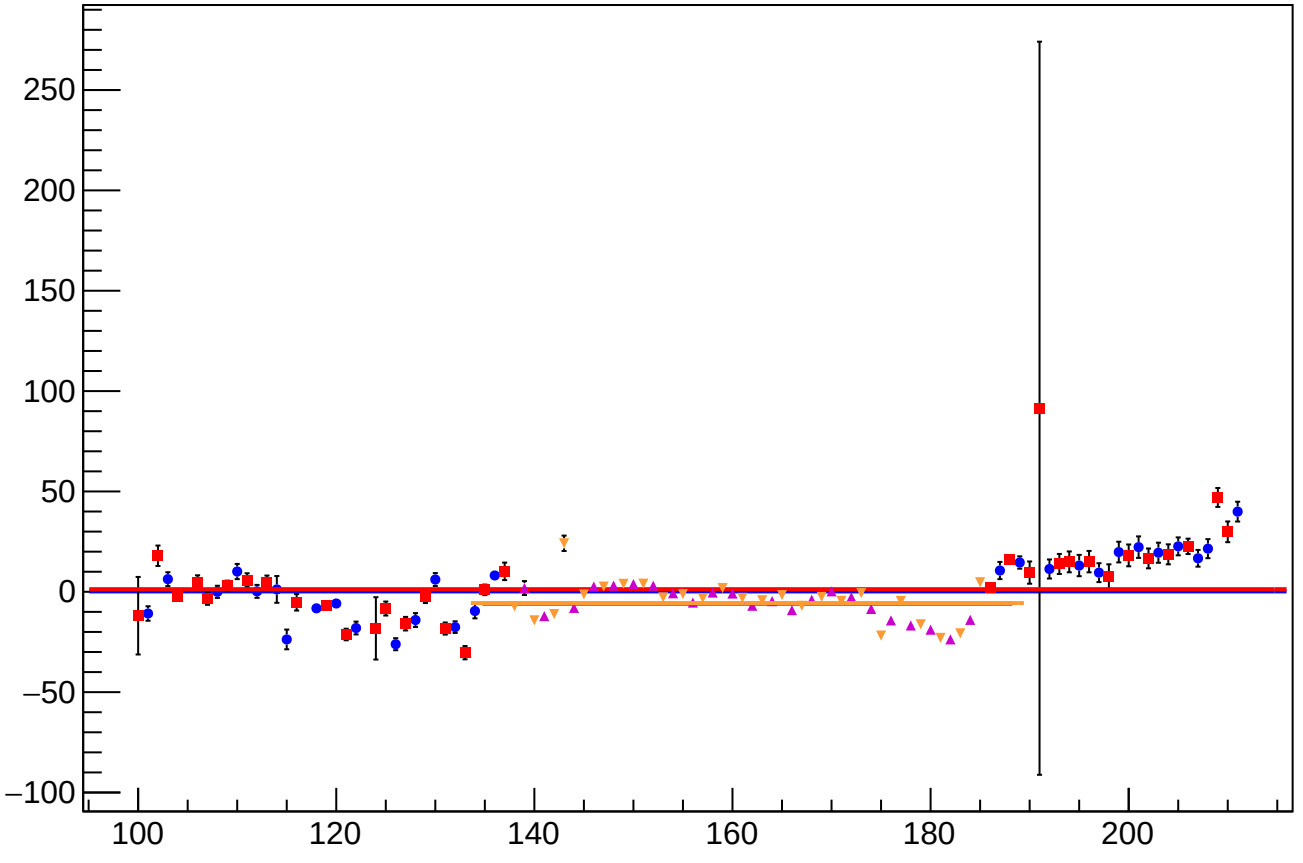
Left In: 27.466+/-0.396 χ^2/NDF:1608.9/22

+ sign 5.390+/-0.322 χ^2/NDF: 16513.1/52

All: 3.899+/-0.225 χ^2/NDF: 32229.1/108

- sign 2.485+/-0.314 χ^2/NDF: 15674.3/55

reg_asym_at2_dd_diff_bpm4aY_slope vs Slug



Right In: 0.195+/-0.652 χ^2/NDF: 473.2/27

Left Out: -5.625+/-0.302 χ^2/NDF:893.3/24

Right Out: 1.312+/-0.606 χ^2/NDF: 534.1/32

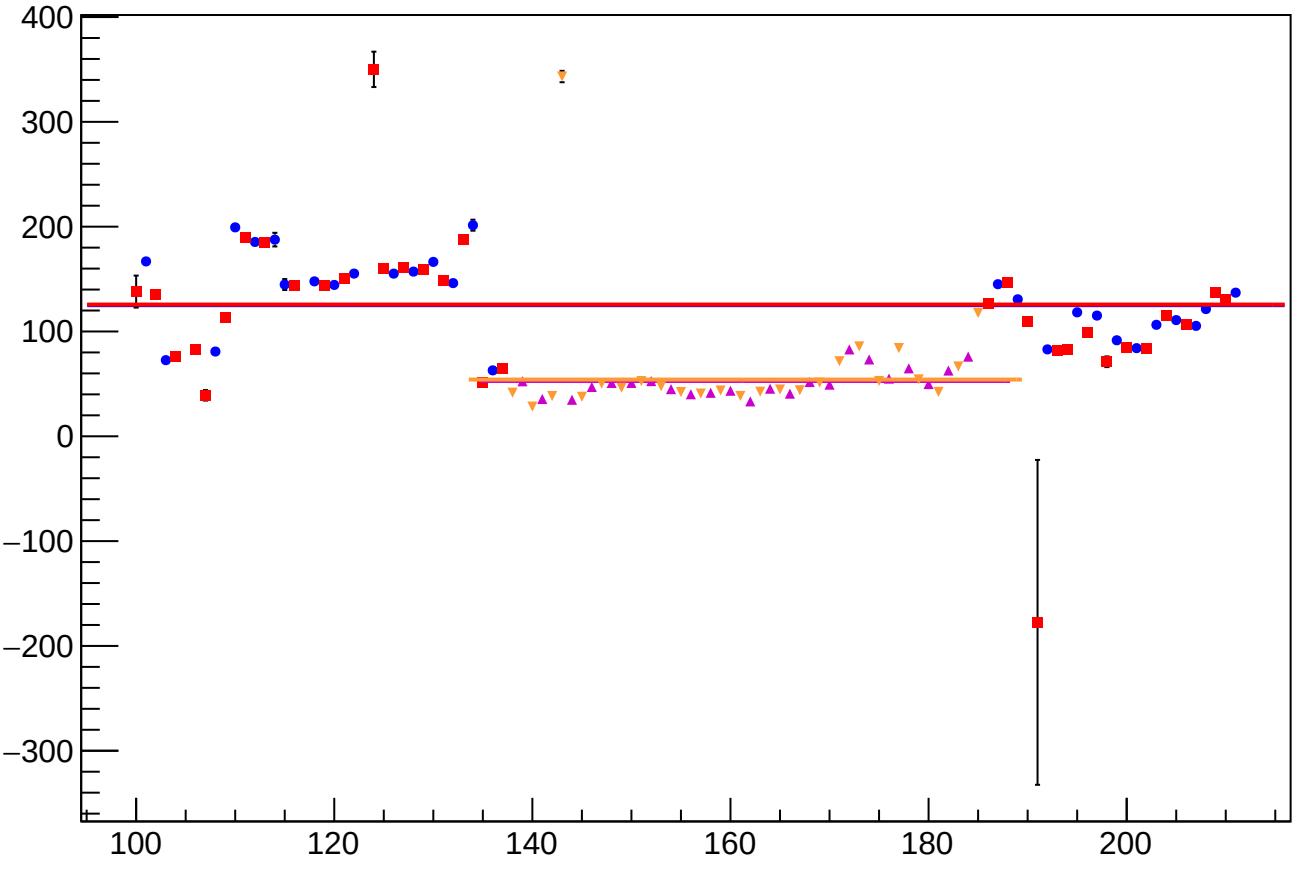
Left In: -5.940+/-0.309 χ^2/NDF:712.2/22

\+ sign -4.597+/-0.274 χ^2/NDF: 1432.2/52

All: -4.520+/-0.194 χ^2/NDF: 2792.4/108

\- sign -4.443+/-0.275 χ^2/NDF: 1360.0/55

reg_asym_at2_dd_diff_bpm4eX_slope vs Slug



Right In: 125.103+/-0.589 χ^2/NDF: 4134.5/27

Left Out: 54.123+/-0.387 χ^2/NDF:4591.8/24

Right Out: 125.685+/-0.519 χ^2/NDF: 4441.9/32

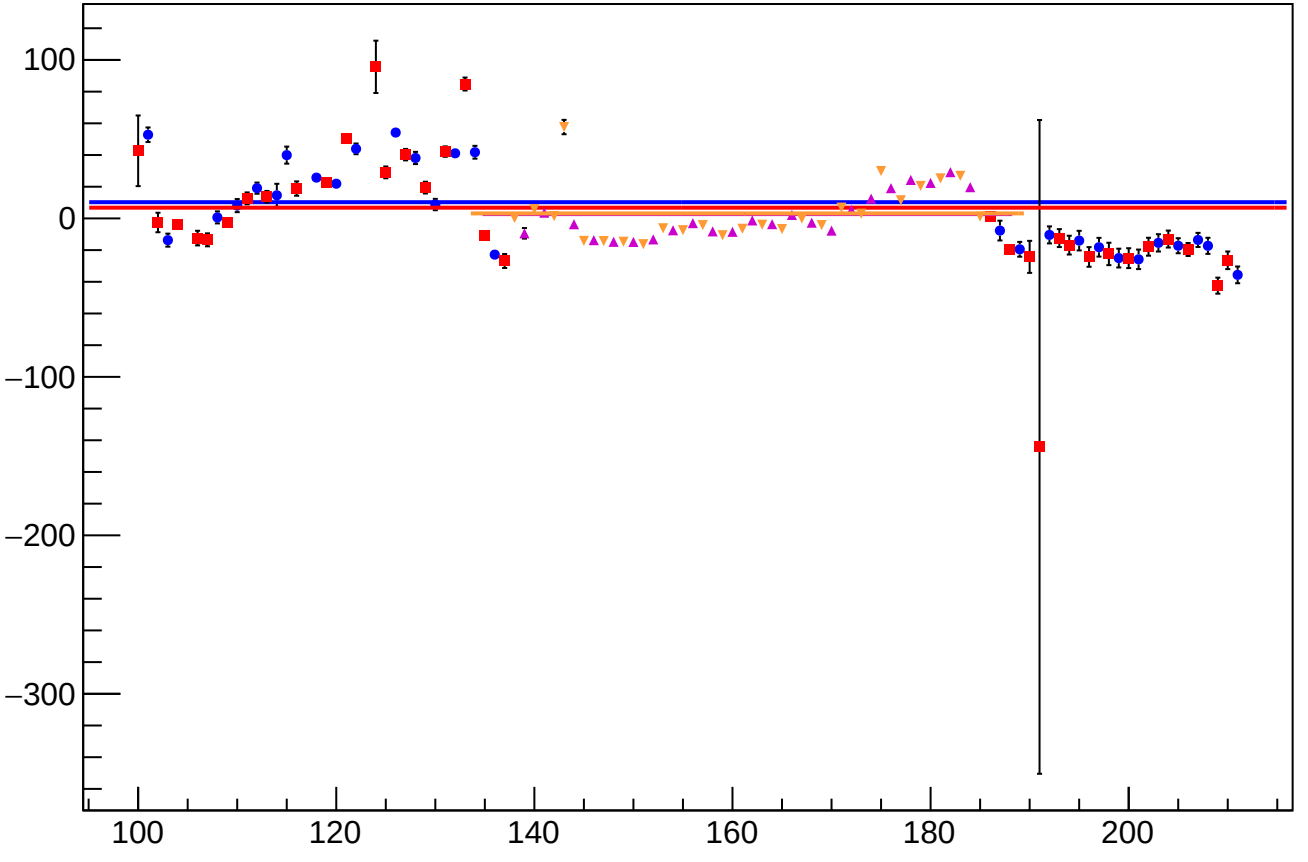
Left In: 52.797+/-0.393 χ^2/NDF:978.1/22

\+ sign 75.566+/-0.324 χ^2/NDF: 18874.4/52

All: 77.504+/-0.225 χ^2/NDF: 36905.8/108

\- sign 79.319+/-0.313 χ^2/NDF: 17962.0/55

reg_asym_at2_dd_diff_bpm4eY_slope vs Slug



Right In: 10.228+/-0.752 χ^2/NDF: 1323.0/27

Left Out: 3.155+/-0.340 χ^2/NDF:2012.4/24

Right Out: 6.774+/-0.717 χ^2/NDF: 1450.0/32

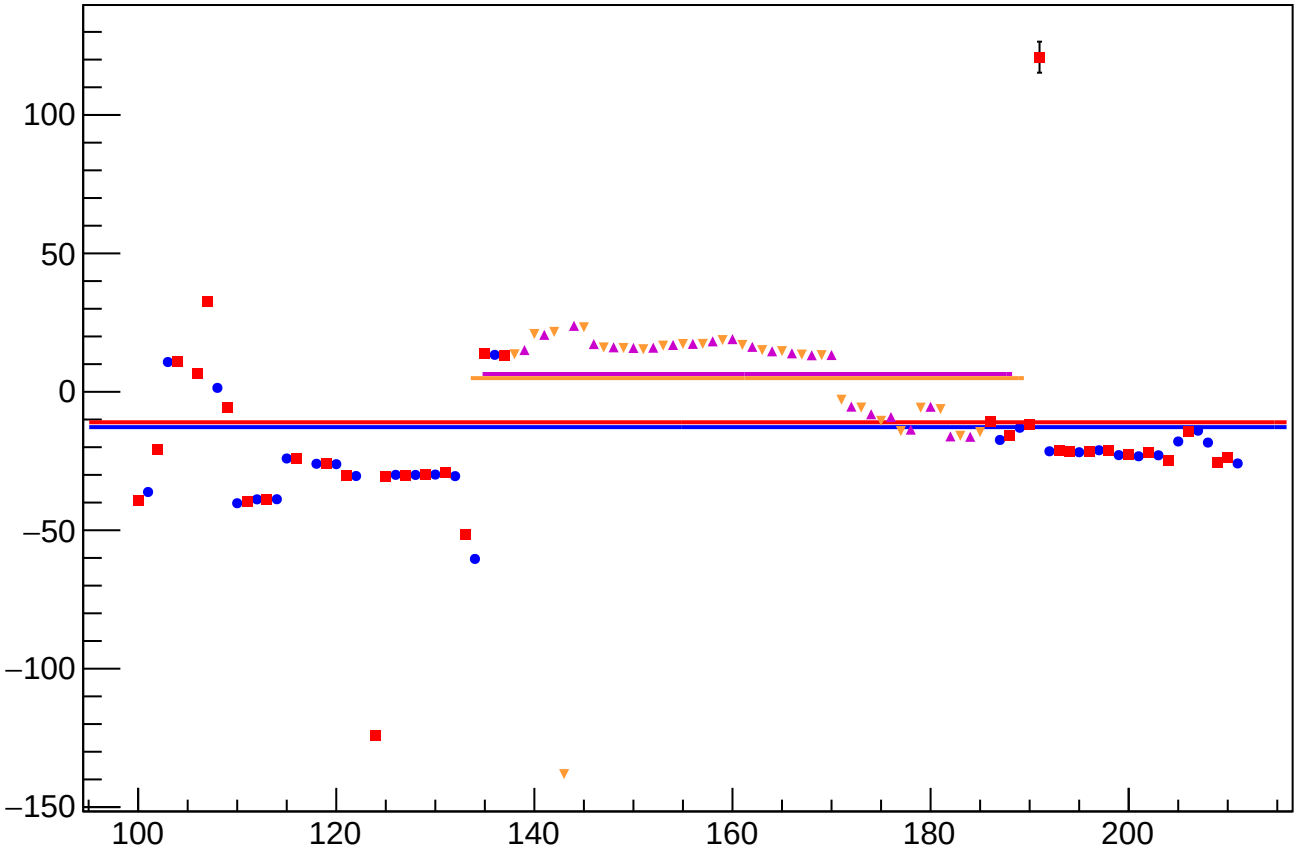
Left In: 2.722+/-0.347 χ^2/NDF:1735.2/22

+ sign 4.356+/-0.310 χ^2/NDF: 3408.9/52

All: 3.926+/-0.220 χ^2/NDF: 6623.8/108

- sign 3.490+/-0.312 χ^2/NDF: 3211.0/55

reg_asym_at2_dd_diff_bpm12X_slope vs Slug



Right In: -12.758+/-0.036 χ^2/NDF: 299175.2/27

Left Out: 4.946+/-0.015 χ^2/NDF:1136506.7/24

Right Out: -11.001+/-0.035 χ^2/NDF: 280601.2/32

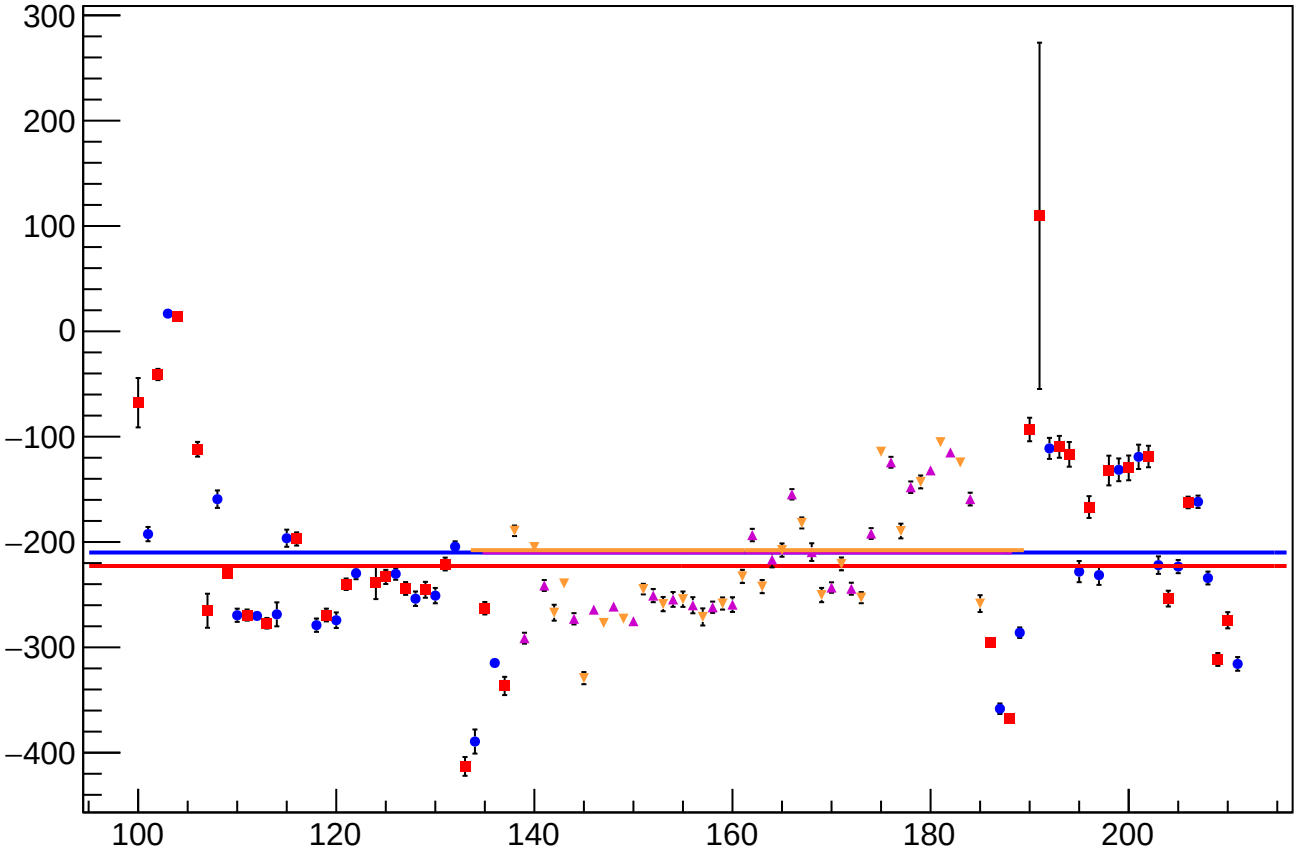
Left In: 6.444+/-0.015 χ^2/NDF:729692.1/22

+ sign 2.225+/-0.014 χ^2/NDF: 1643678.8/52

All: 2.944+/-0.010 χ^2/NDF: 2865062.9/108

- sign 3.669+/-0.014 χ^2/NDF: 1216087.7/55

reg_asym_atl1r2_avg_diff_bpm1X_slope vs Slug



Right In: -209.965+/-1.159 χ^2/NDF: 9085.9/27

Left Out: -207.745+/-1.070 χ^2/NDF:3487.2/24

Right Out: -222.762+/-1.062 χ^2/NDF: 12565.2/32

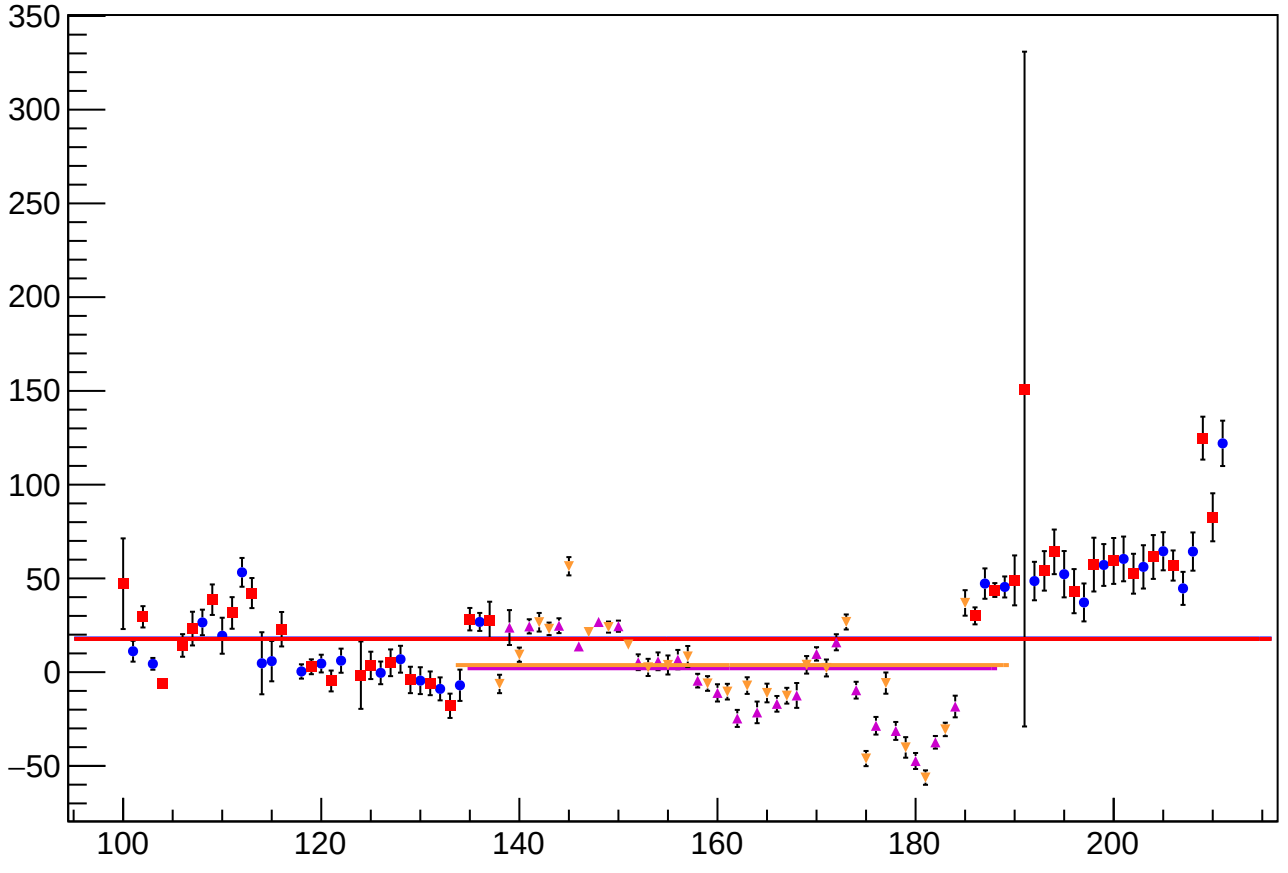
Left In: -209.875+/-1.101 χ^2/NDF:3011.9/22

+ sign -208.766+/-0.786 χ^2/NDF: 12575.0/52

All: -212.767+/-0.548 χ^2/NDF: 28273.5/108

- sign -216.551+/-0.765 χ^2/NDF: 15648.1/55

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs Slug



Right In: 17.947+/-1.272 χ^2/NDF: 348.4/27

Left Out: 3.770+/-0.787 χ^2/NDF:972.1/24

Right Out: 17.696+/-1.153 χ^2/NDF: 494.6/32

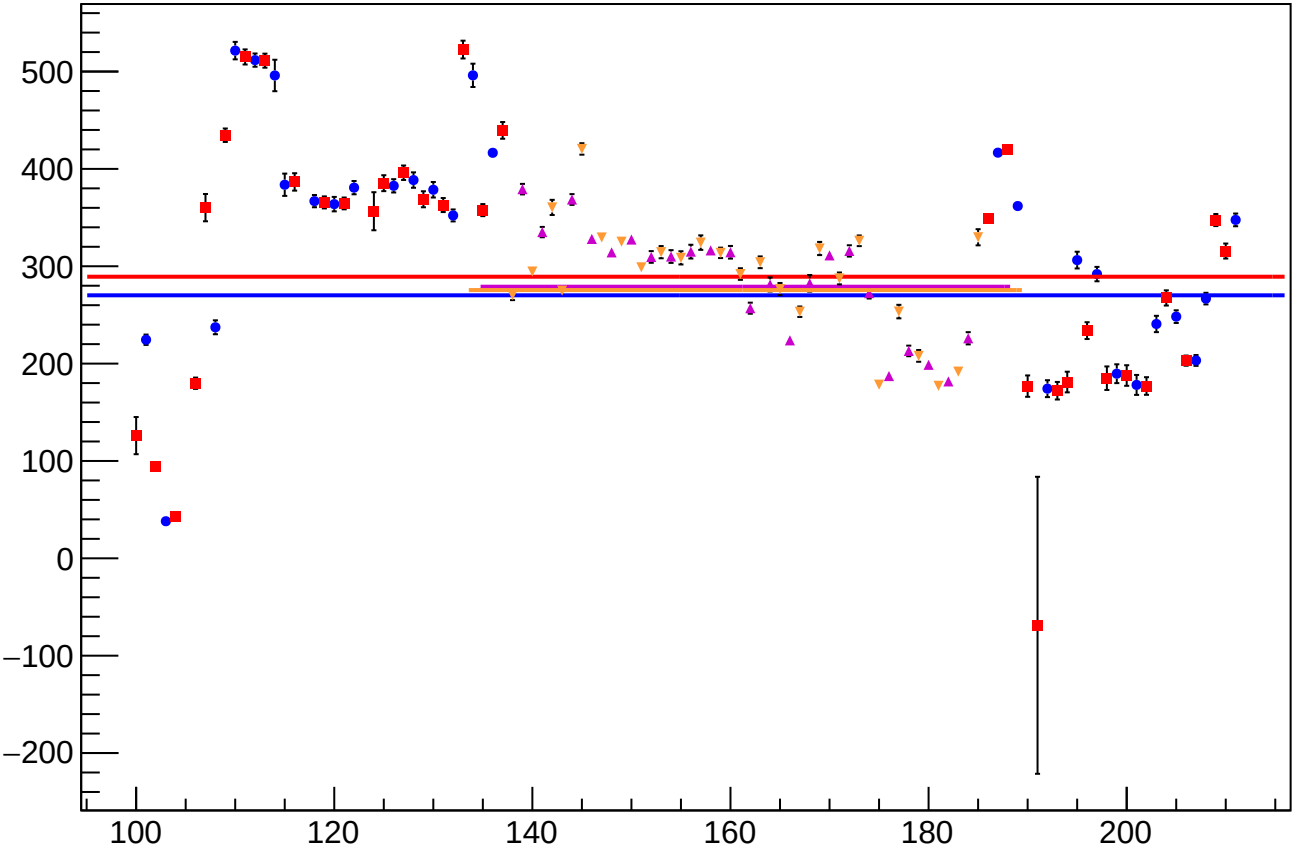
Left In: 2.079+/-0.820 χ^2/NDF:770.2/22

+ sign 7.696+/-0.669 χ^2/NDF: 1410.3/52

All: 7.511+/-0.473 χ^2/NDF: 2797.1/108

- sign 7.325+/-0.668 χ^2/NDF: 1386.6/55

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs Slug



Right In: 270.154+/-1.119 χ^2/NDF: 17892.3/27

Left Out: 275.536+/-1.062 χ^2/NDF:3323.1/24

Right Out: 289.257+/-0.998 χ^2/NDF: 22262.7/32

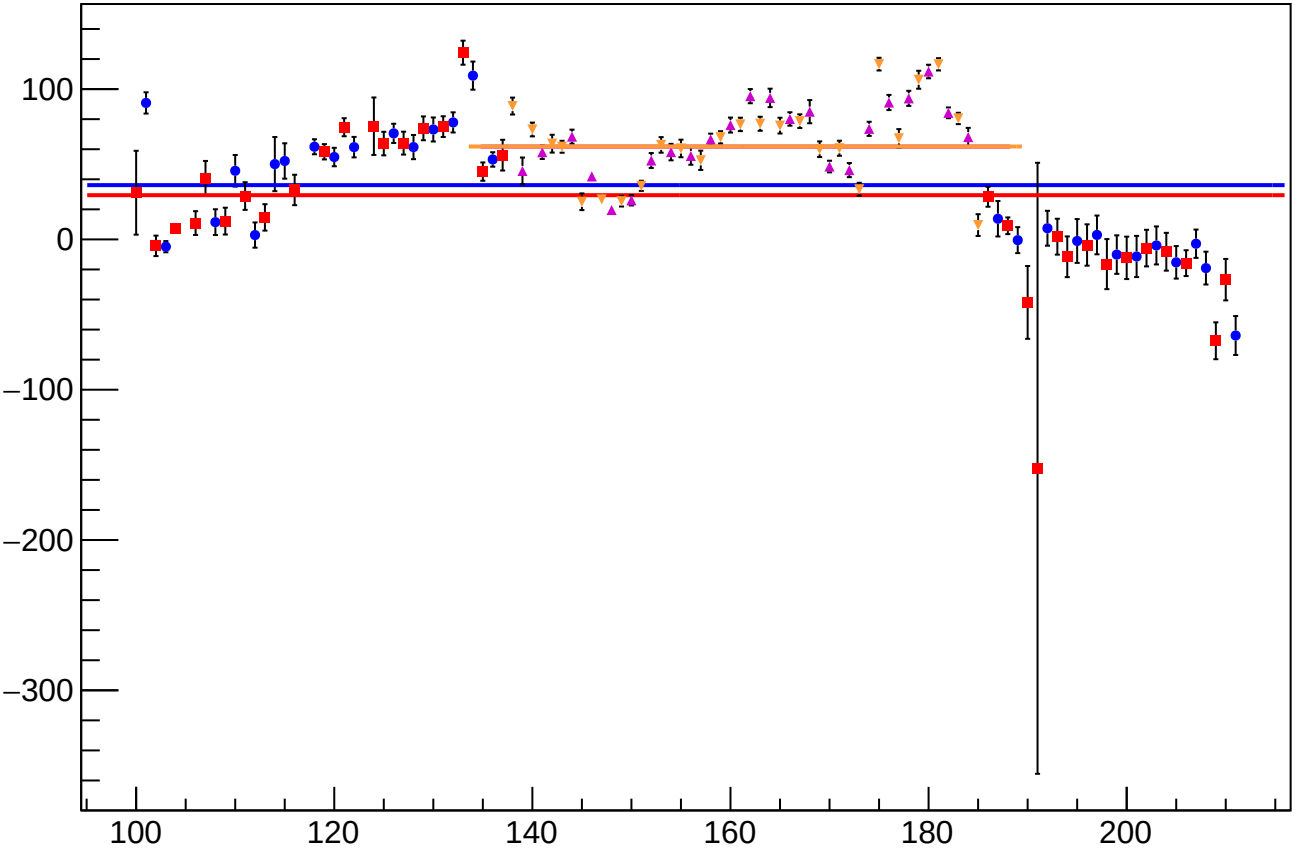
Left In: 278.989+/-1.089 χ^2/NDF:3114.7/22

+ sign 272.985+/-0.770 χ^2/NDF: 21227.6/52

All: 279.044+/-0.532 χ^2/NDF: 46771.6/108

- sign 284.570+/-0.736 χ^2/NDF: 25425.7/55

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs Slug



Right In: 36.117+/-1.491 χ^2/NDF: 629.9/27

Left Out: 61.818+/-0.907 χ^2/NDF:959.5/24

Right Out: 29.425+/-1.395 χ^2/NDF: 636.8/32

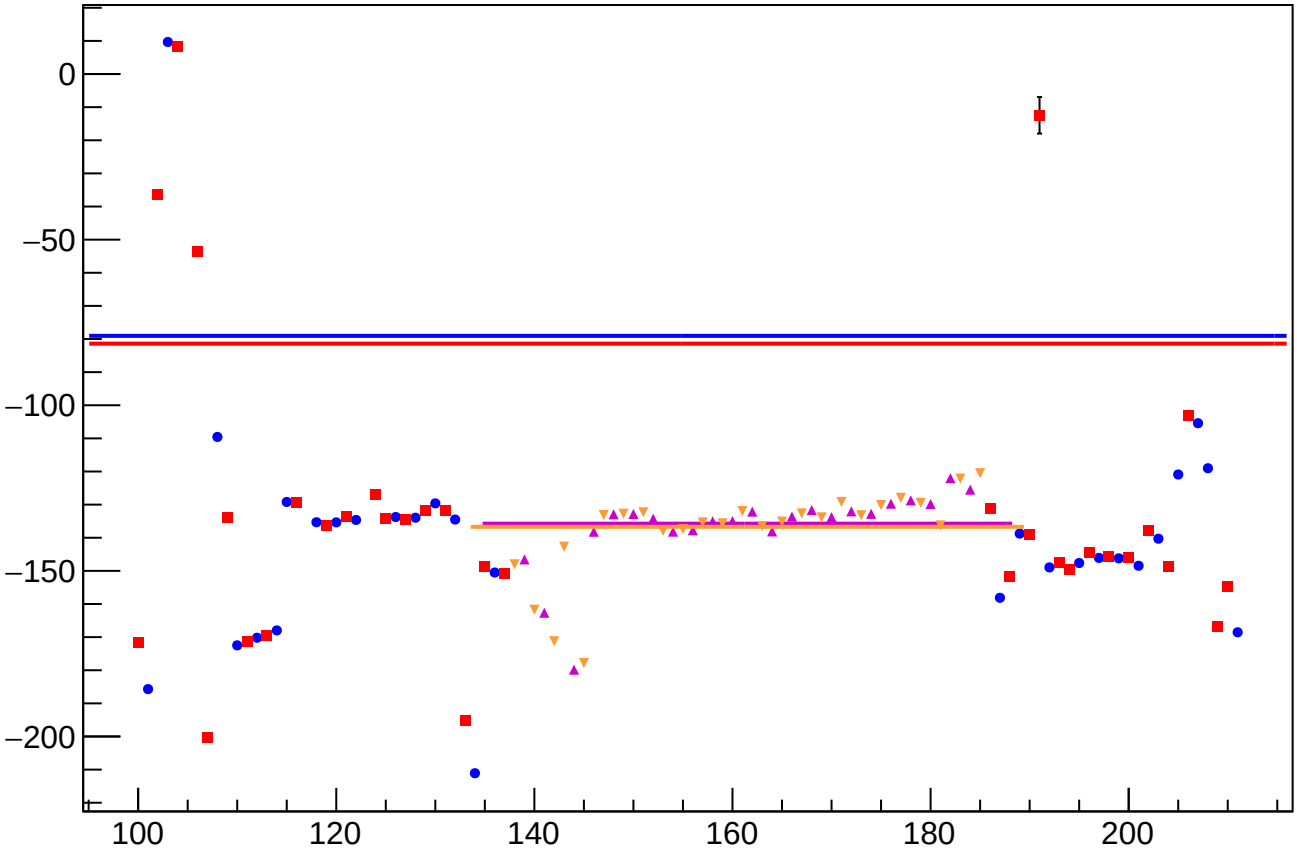
Left In: 61.763+/-0.939 χ^2/NDF:736.0/22

+ sign 54.867+/-0.775 χ^2/NDF: 1806.3/52

All: 53.281+/-0.549 χ^2/NDF: 3557.5/108

- sign 51.681+/-0.779 χ^2/NDF: 1742.8/55

reg_asym_atl1r2_avg_diff_bpm12X_slope vs Slug



Right In: -79.039+/-0.063 χ^2/NDF: 1546845.0/27

Left Out: -136.695+/-0.042 χ^2/NDF:79006.9/24

Right Out: -81.395+/-0.063 χ^2/NDF: 1252501.7/32

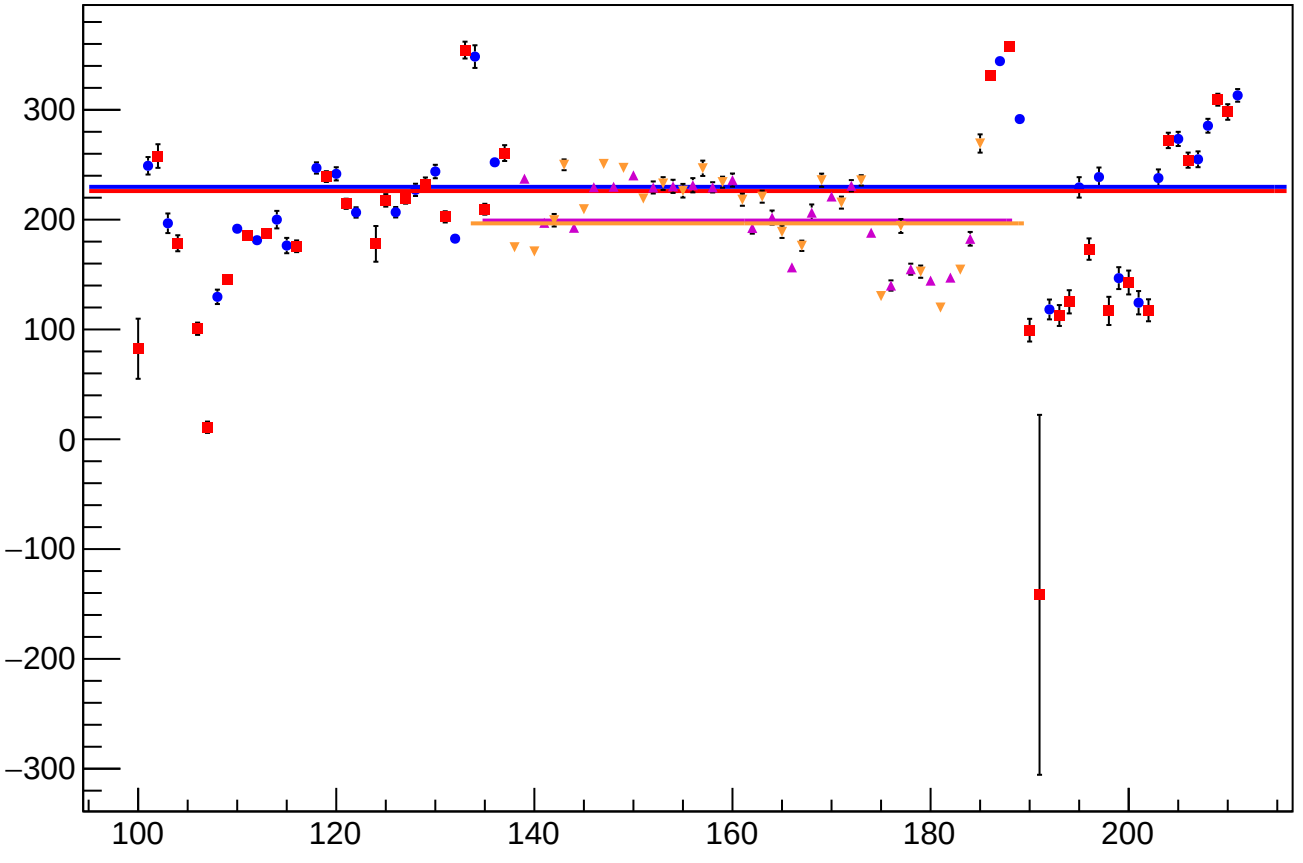
Left In: -135.745+/-0.043 χ^2/NDF:63681.9/22

+ sign -118.704+/-0.035 χ^2/NDF: 2207031.8/52

All: -118.593+/-0.025 χ^2/NDF: 4035353.6/10

- sign -118.481+/-0.035 χ^2/NDF: 1828301.8/55

reg_asym_atl1r2_dd_diff_bpm1X_slope vs Slug



Right In: 229.866+/-1.077 χ^2/NDF: 2485.4/27

Left Out: 196.615+/-0.946 χ^2/NDF:2075.5/24

Right Out: 226.031+/-0.954 χ^2/NDF: 8520.8/32

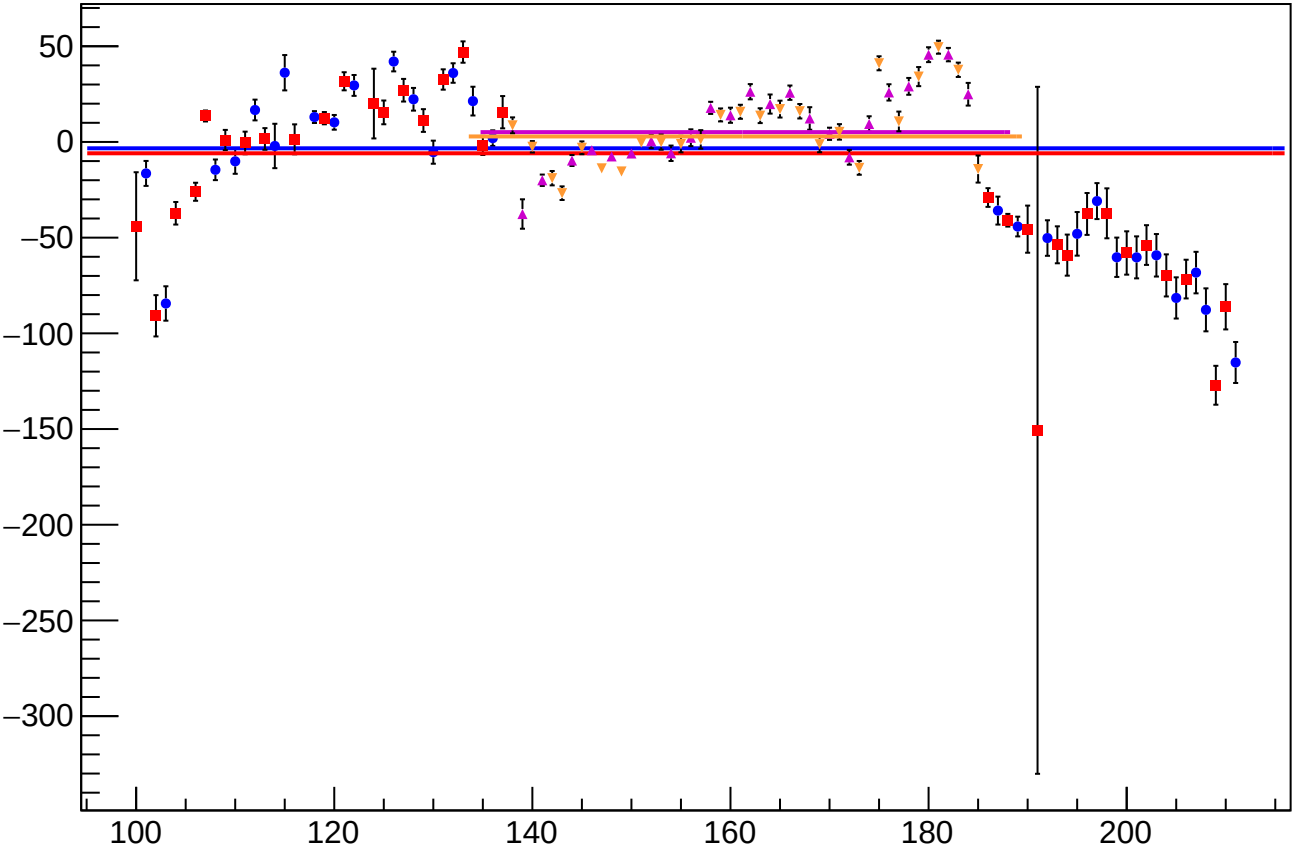
Left In: 199.153+/-0.973 χ^2/NDF:1294.6/22

+ sign 211.109+/-0.711 χ^2/NDF: 5099.0/52

All: 212.022+/-0.492 χ^2/NDF: 15306.9/108

- sign 212.860+/-0.681 χ^2/NDF: 10204.8/55

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs Slug



Right In: -3.321+/-1.187 χ^2/NDF: 837.6/27

Left Out: 2.870+/-0.693 χ^2/NDF:752.8/24

Right Out: -5.927+/-1.059 χ^2/NDF: 975.2/32

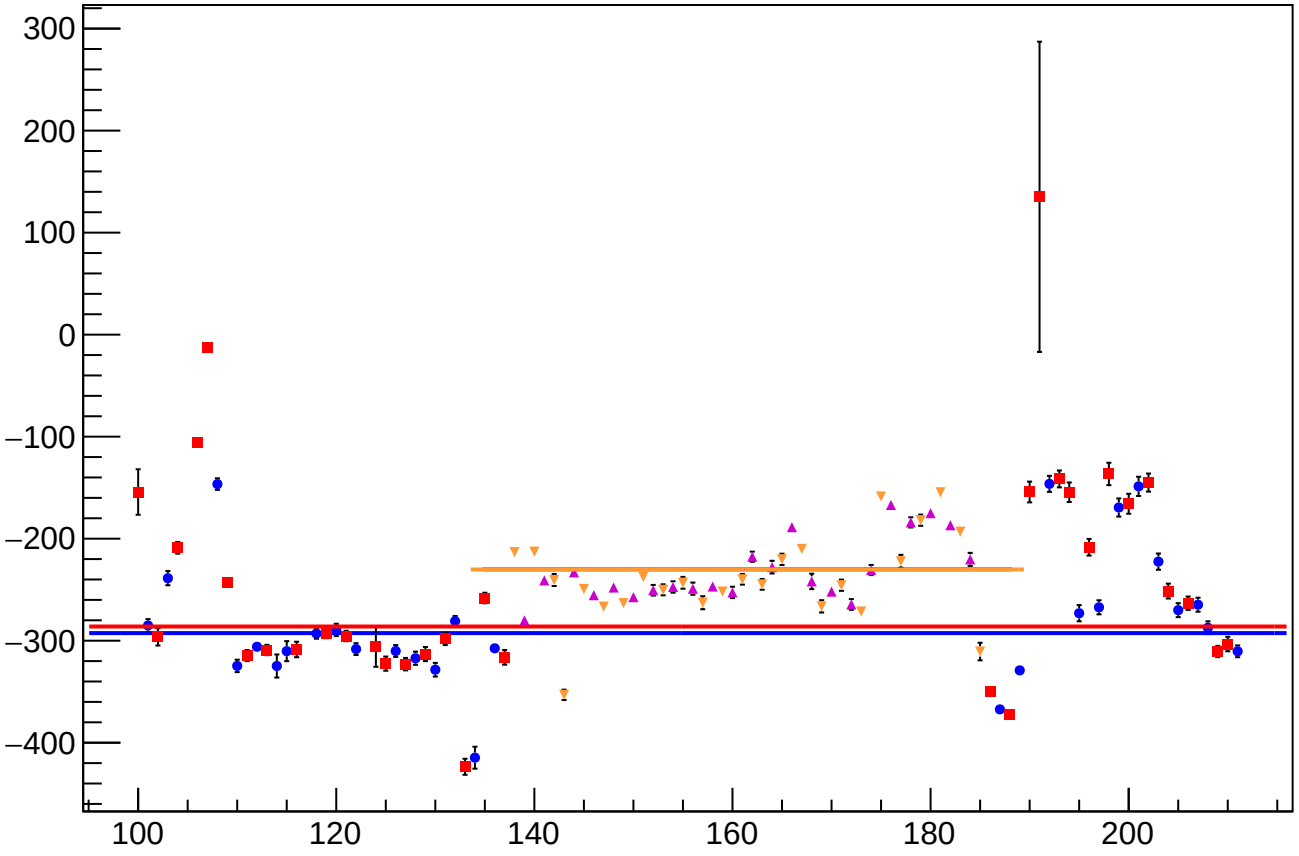
Left In: 5.126+/-0.718 χ^2/NDF:628.6/22

+ sign 1.296+/-0.599 χ^2/NDF: 1610.7/52

All: 1.472+/-0.422 χ^2/NDF: 3289.3/108

- sign 1.645+/-0.594 χ^2/NDF: 1678.5/55

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs Slug



Right In: -292.559+/-1.120 χ^2/NDF: 2389.1/27

Left Out: -230.182+/-0.939 χ^2/NDF:2181.9/24

Right Out: -286.102+/-0.961 χ^2/NDF: 9945.1/32

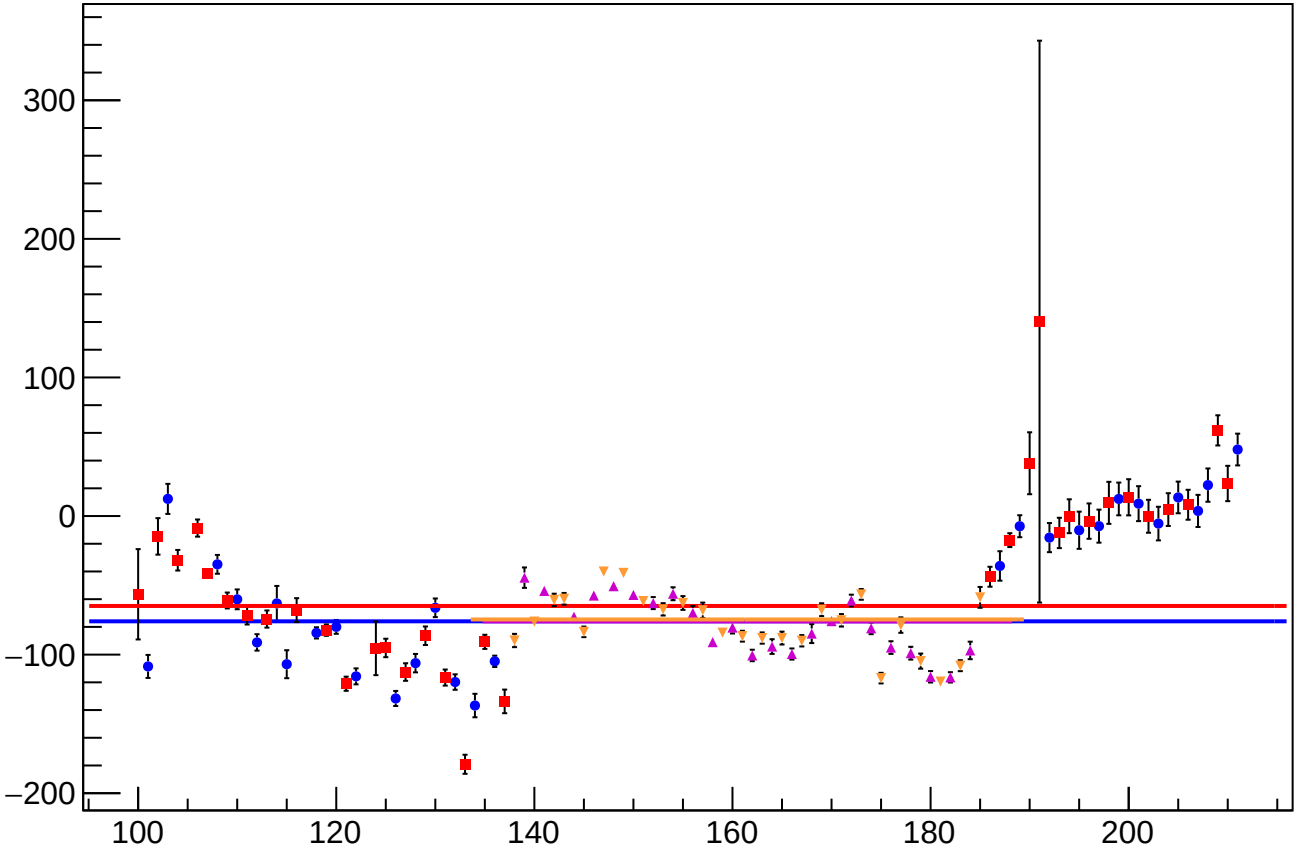
Left In: -230.047+/-0.961 χ^2/NDF:1094.0/22

+ sign -255.924+/-0.720 χ^2/NDF: 6392.1/52

All: -257.054+/-0.494 χ^2/NDF: 19136.5/108

- sign -258.063+/-0.680 χ^2/NDF: 12739.7/55

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs Slug



Right In: -75.971+/-1.385 χ^2/NDF: 1090.1/27

Left Out: -74.644+/-0.801 χ^2/NDF:831.0/24

Right Out: -64.885+/-1.267 χ^2/NDF: 1386.0/32

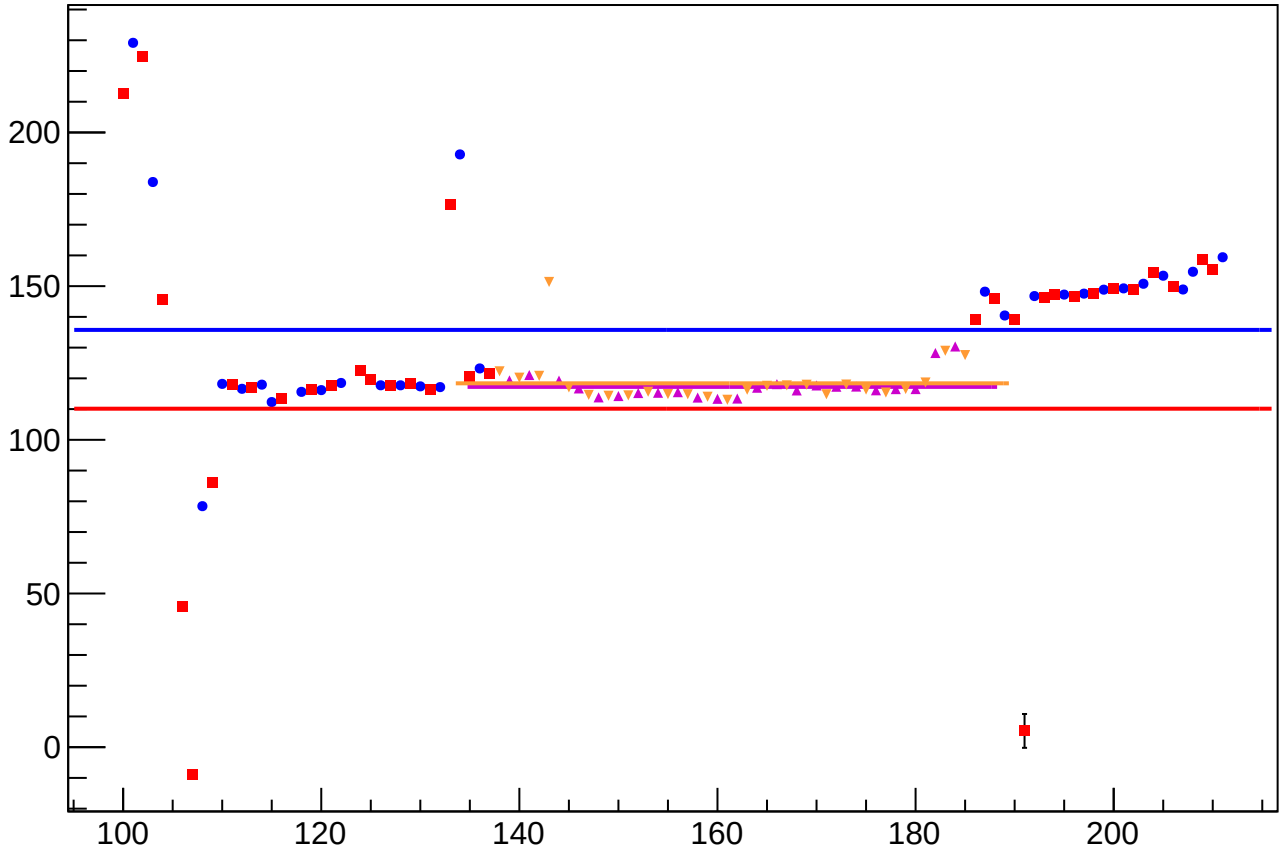
Left In: -76.025+/-0.824 χ^2/NDF:646.0/22

+ sign -74.976+/-0.693 χ^2/NDF: 1921.8/52

All: -73.840+/-0.489 χ^2/NDF: 4013.5/108

- sign -72.711+/-0.691 χ^2/NDF: 2086.3/55

reg_asym_atl1r2_dd_diff_bpm12X_slope vs Slug



Right In: 135.764+/-0.072 χ^2/NDF: 202494.3/27

Left Out: 118.382+/-0.037 χ^2/NDF:34938.1/24

Right Out: 110.126+/-0.065 χ^2/NDF: 776833.9/32

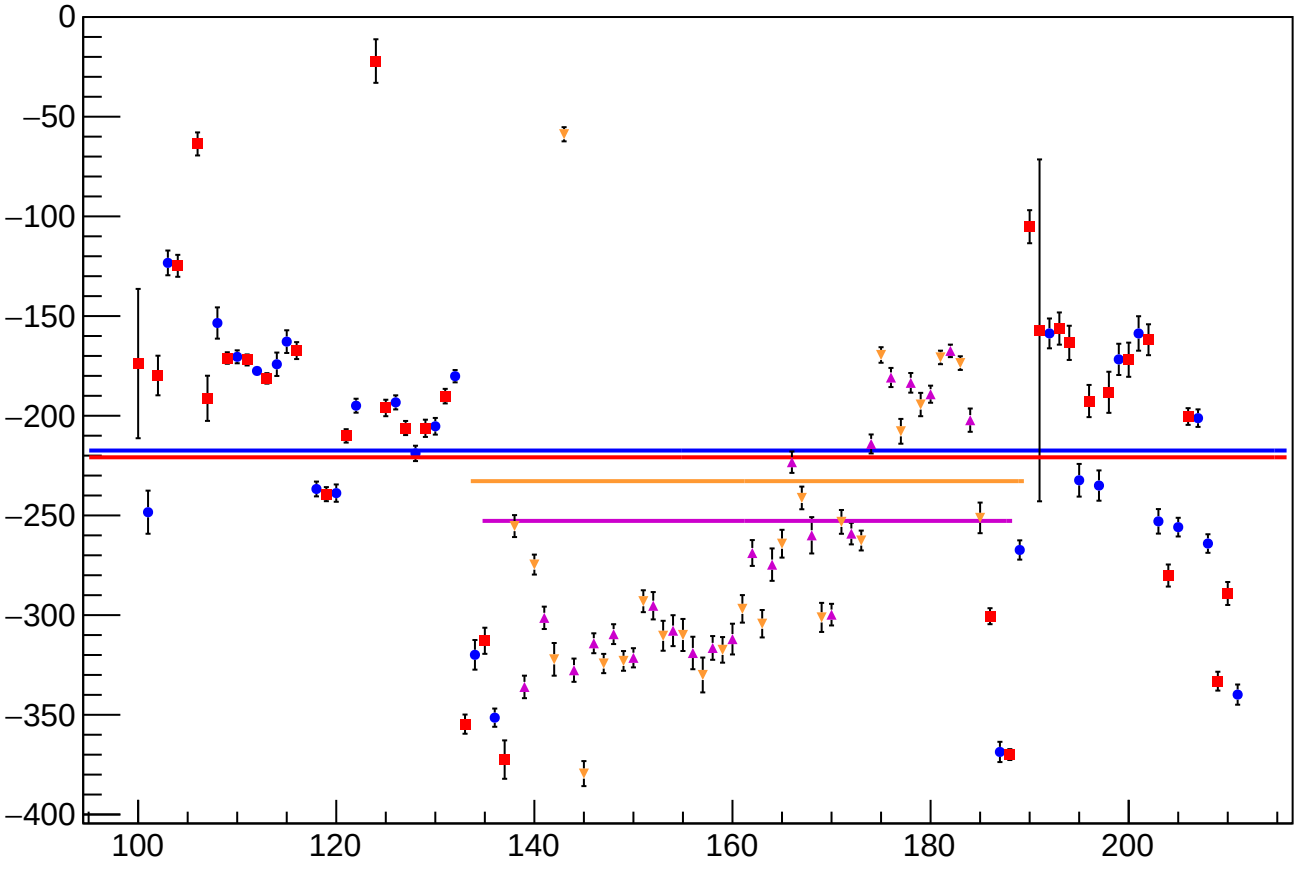
Left In: 117.225+/-0.038 χ^2/NDF:10227.9/22

+ sign 122.072+/-0.033 χ^2/NDF: 283595.6/52

All: 118.694+/-0.023 χ^2/NDF: 1100157.0/108

- sign 115.432+/-0.033 χ^2/NDF: 796065.0/55

reg_asym_atr1l2_avg_diff_bpm1X_slope vs Slug



Right In: -217.445+/-0.869 χ^2/NDF: 4208.2/27

Left Out: -232.800+/-1.072 χ^2/NDF:5764.0/24

Right Out: -220.843+/-0.813 χ^2/NDF: 8418.0/32

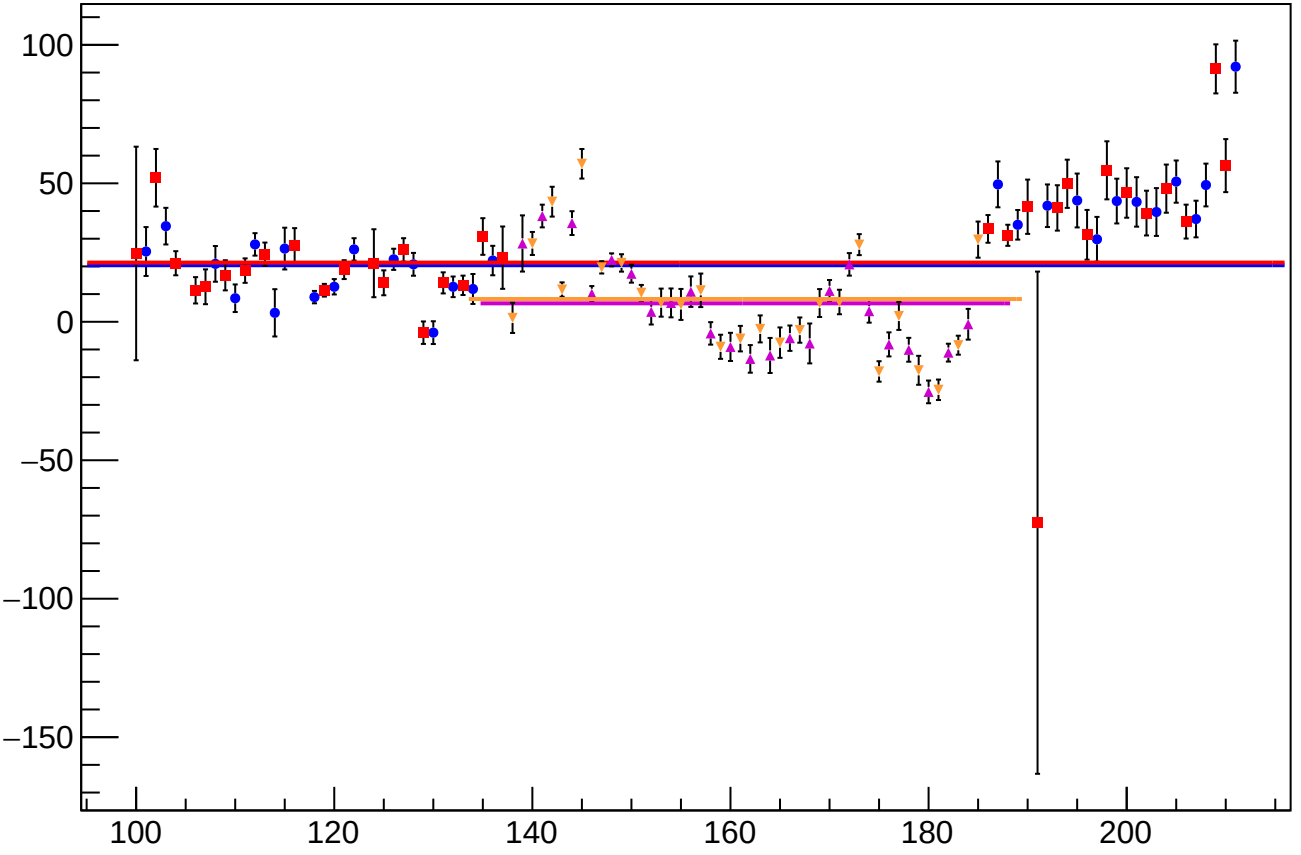
Left In: -252.738+/-1.131 χ^2/NDF:2913.9/22

+ sign -223.536+/-0.675 χ^2/NDF: 10096.0/52

All: -227.716+/-0.472 χ^2/NDF: 22027.4/108

- sign -231.712+/-0.660 χ^2/NDF: 11856.4/55

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs Slug



Right In: 20.429+/-0.948 χ^2/NDF: 246.2/27

Left Out: 8.222+/-0.803 χ^2/NDF:457.9/24

Right Out: 21.377+/-0.916 χ^2/NDF: 240.8/32

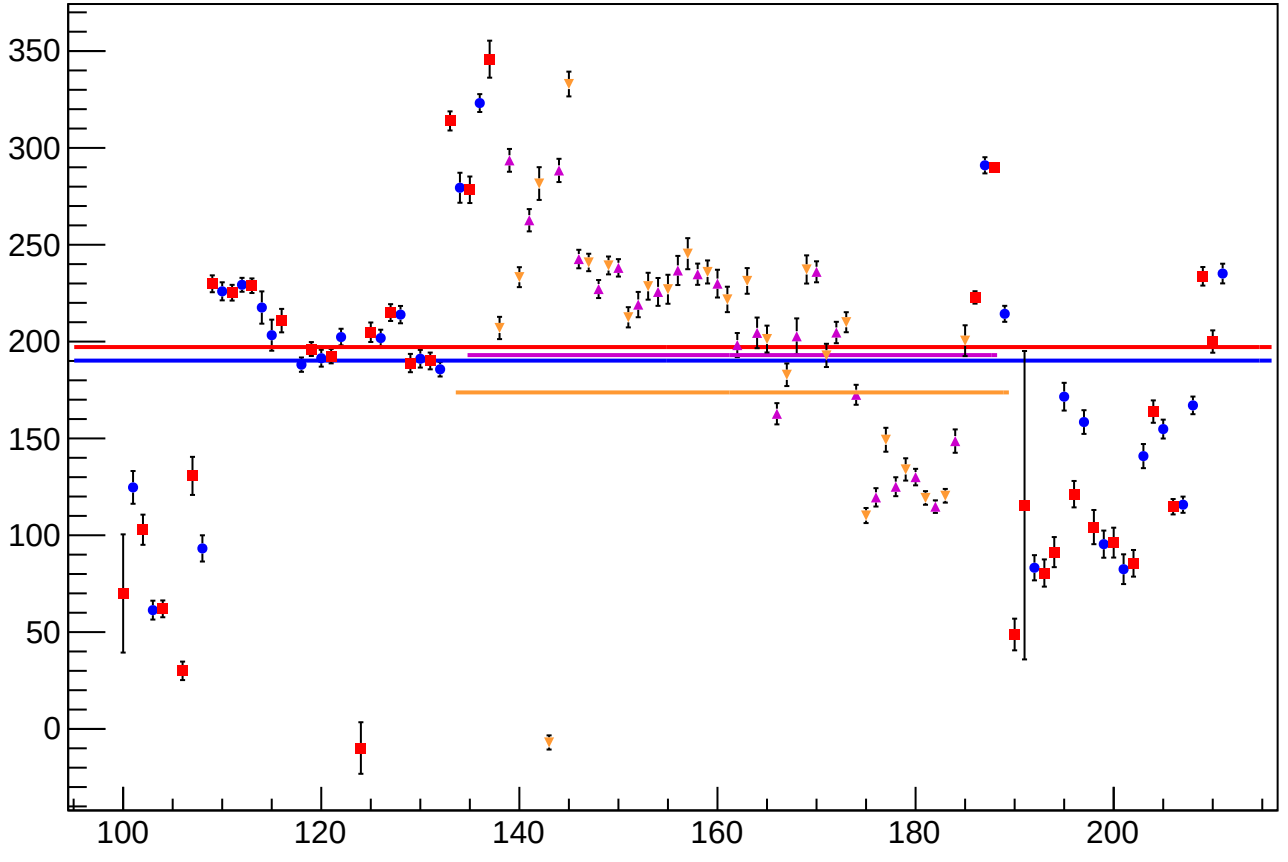
Left In: 6.657+/-0.858 χ^2/NDF:354.8/22

+ sign 13.321+/-0.613 χ^2/NDF: 800.7/52

All: 13.426+/-0.438 χ^2/NDF: 1533.8/108

- sign 13.536+/-0.626 χ^2/NDF: 733.0/55

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs Slug



Right In: 190.182+/-0.939 χ^2/NDF: 4002.4/27

Left Out: 173.752+/-1.069 χ^2/NDF:5260.7/24

Right Out: 197.178+/-0.861 χ^2/NDF: 7609.5/32

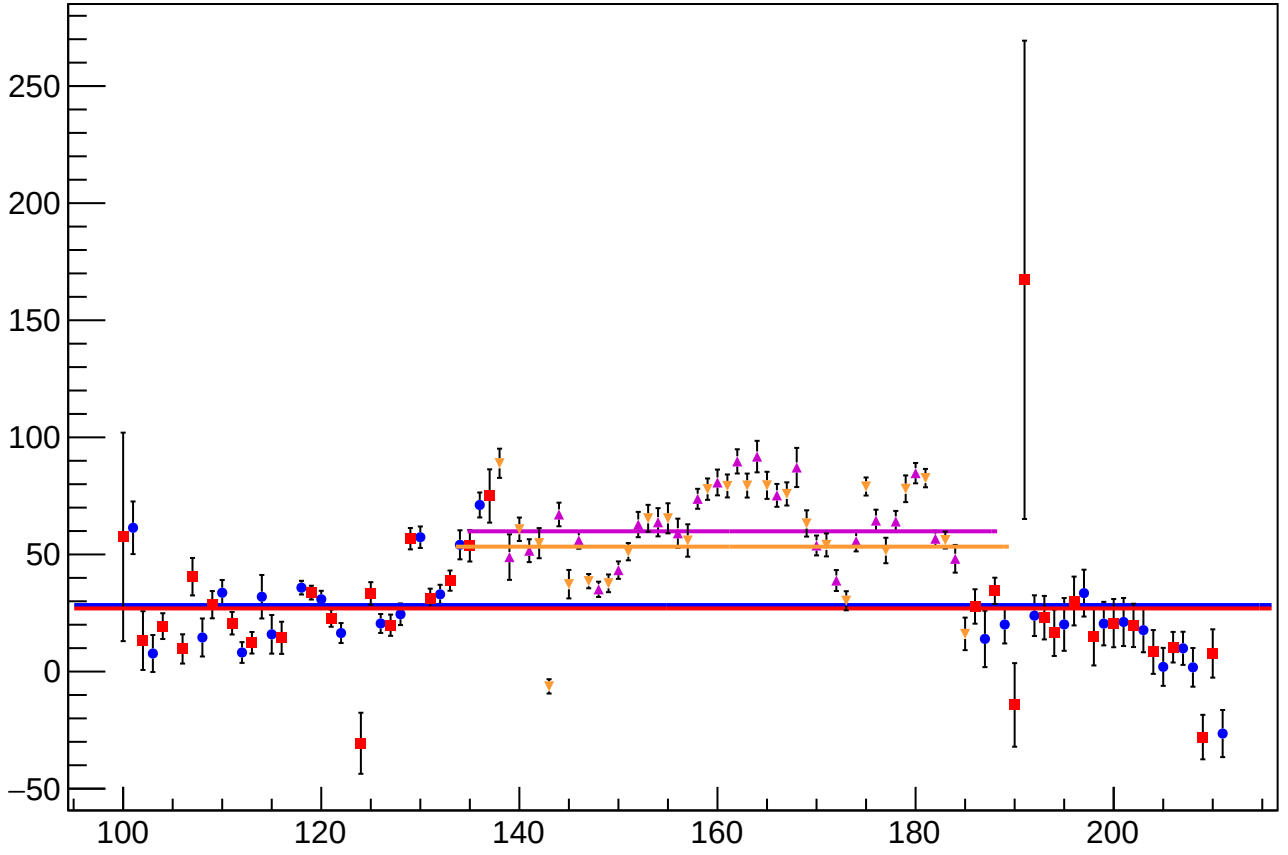
Left In: 193.026+/-1.122 χ^2/NDF:2512.0/22

+ sign 183.025+/-0.705 χ^2/NDF: 9396.6/52

All: 189.535+/-0.491 χ^2/NDF: 19691.8/108

- sign 195.640+/-0.683 χ^2/NDF: 10130.2/55

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs Slug



Right In: 28.401+/-1.104 χ^2/NDF: 248.3/27

Left Out: 53.331+/-0.922 χ^2/NDF:778.9/24

Right Out: 26.951+/-1.075 χ^2/NDF: 204.2/32

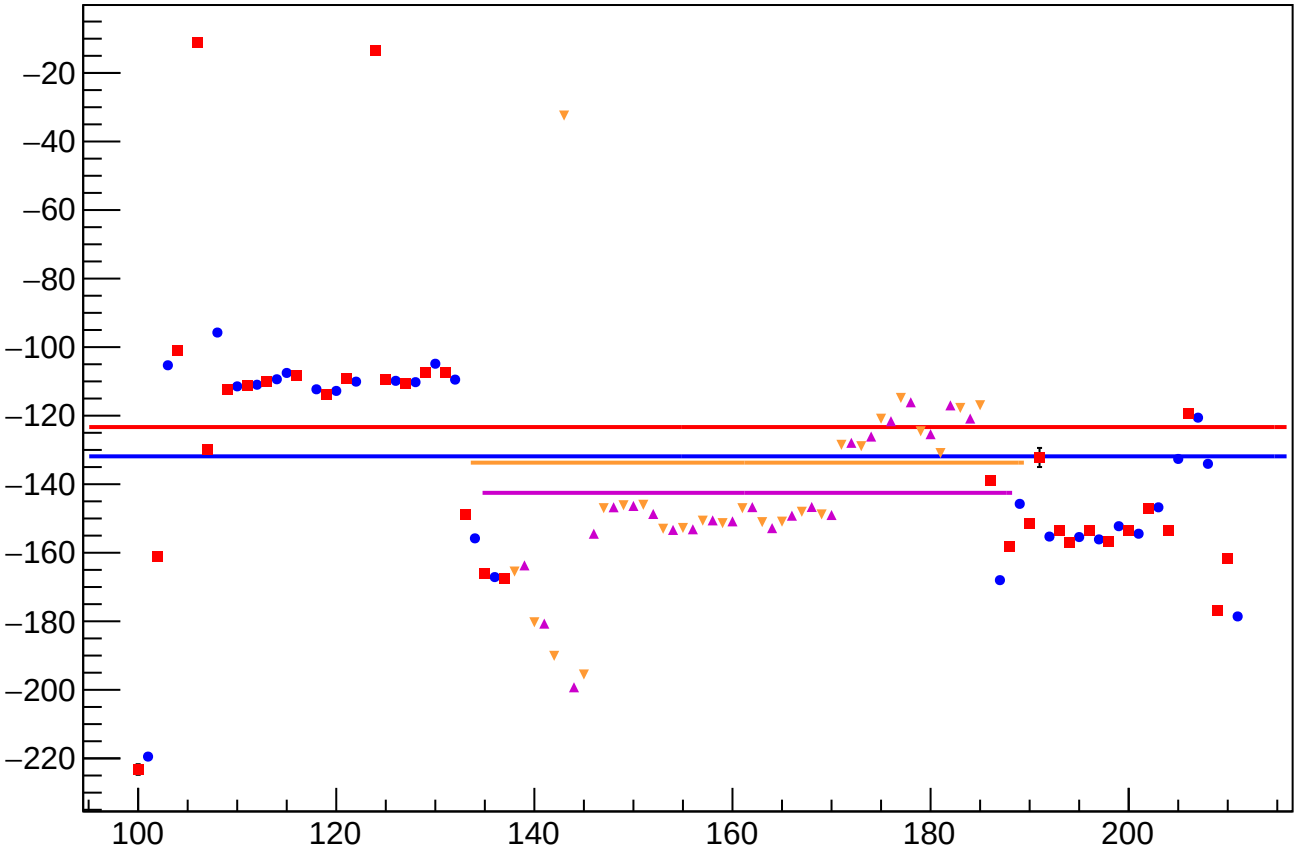
Left In: 59.887+/-0.977 χ^2/NDF:251.2/22

+ sign 43.088+/-0.707 χ^2/NDF: 1327.8/52

All: 44.016+/-0.506 χ^2/NDF: 2301.1/108

- sign 44.986+/-0.723 χ^2/NDF: 969.7/55

reg_asym_atr1l2_avg_diff_bpm12X_slope vs Slug



Right In: -131.868+/-0.061 χ^2/NDF: 184721.5/27

Left Out: -133.709+/-0.043 χ^2/NDF:675925.6/24

Right Out: -123.325+/-0.058 χ^2/NDF: 517537.0/32

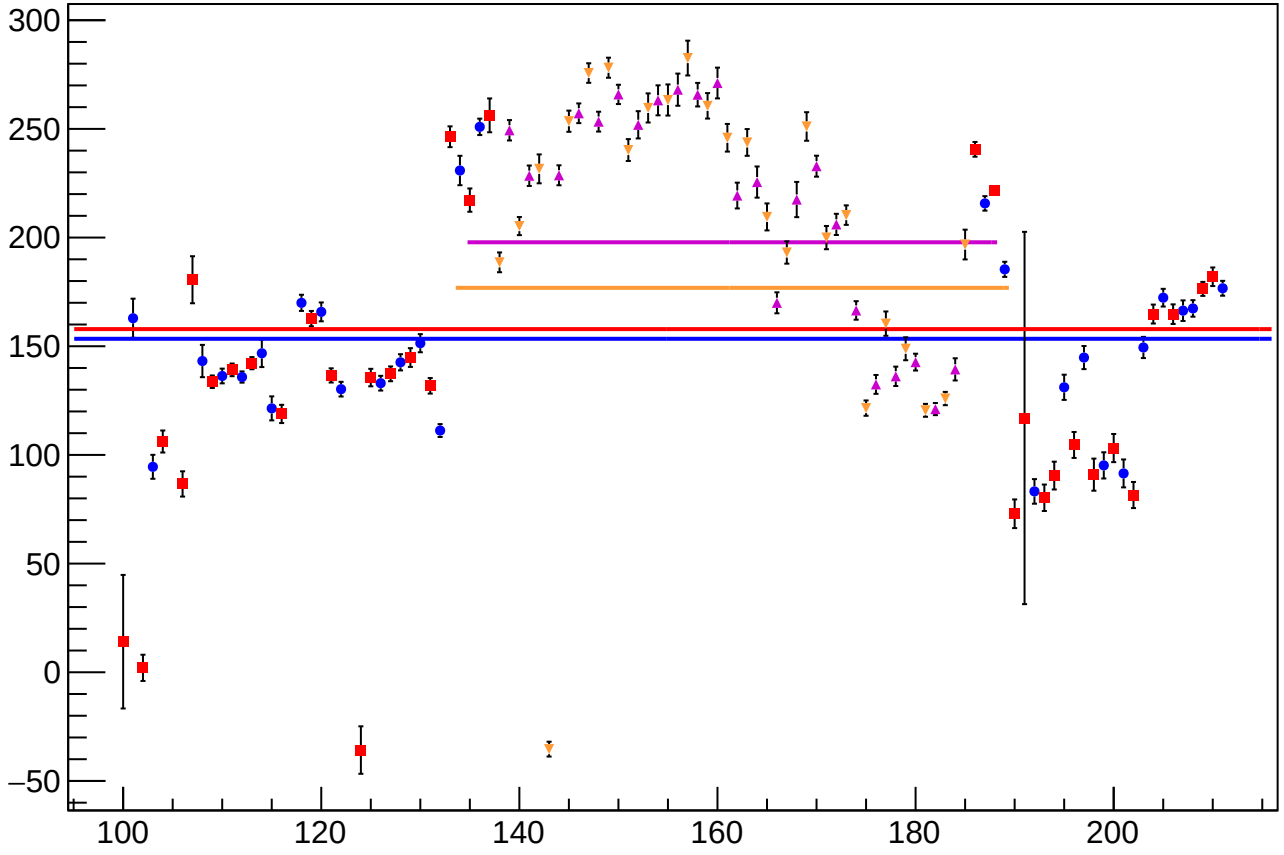
Left In: -142.518+/-0.044 χ^2/NDF:178481.1/22

+ sign -133.098+/-0.035 χ^2/NDF: 861260.7/52

All: -134.247+/-0.025 χ^2/NDF: 1628593.4/10

- sign -135.411+/-0.035 χ^2/NDF: 765164.3/55

reg_asym_atr1l2_dd_diff_bpm1X_slope vs Slug



Right In: 153.426+/-0.787 χ^2/NDF: 2225.3/27

Left Out: 176.884+/-0.958 χ^2/NDF:7424.8/24

Right Out: 157.883+/-0.723 χ^2/NDF: 5072.8/32

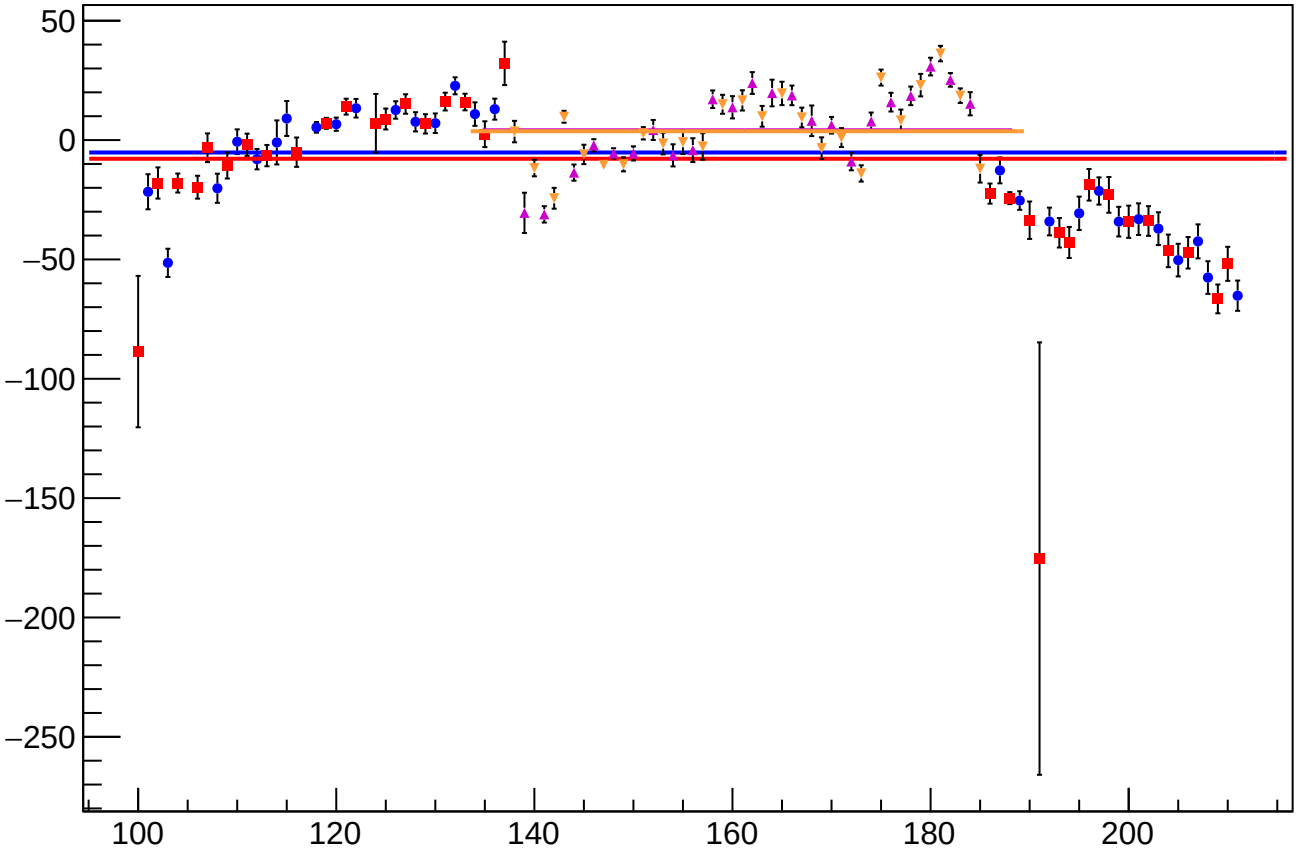
Left In: 197.829+/-1.006 χ^2/NDF:2968.0/22

+ sign 162.878+/-0.608 χ^2/NDF: 10008.4/52

All: 167.333+/-0.422 χ^2/NDF: 19192.3/108

- sign 171.491+/-0.587 χ^2/NDF: 9080.1/55

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs Slug



Right In: -5.201+/-0.878 χ^2/NDF: 627.0/27

Left Out: 3.708+/-0.723 χ^2/NDF:400.9/24

Right Out: -7.822+/-0.834 χ^2/NDF: 644.8/32

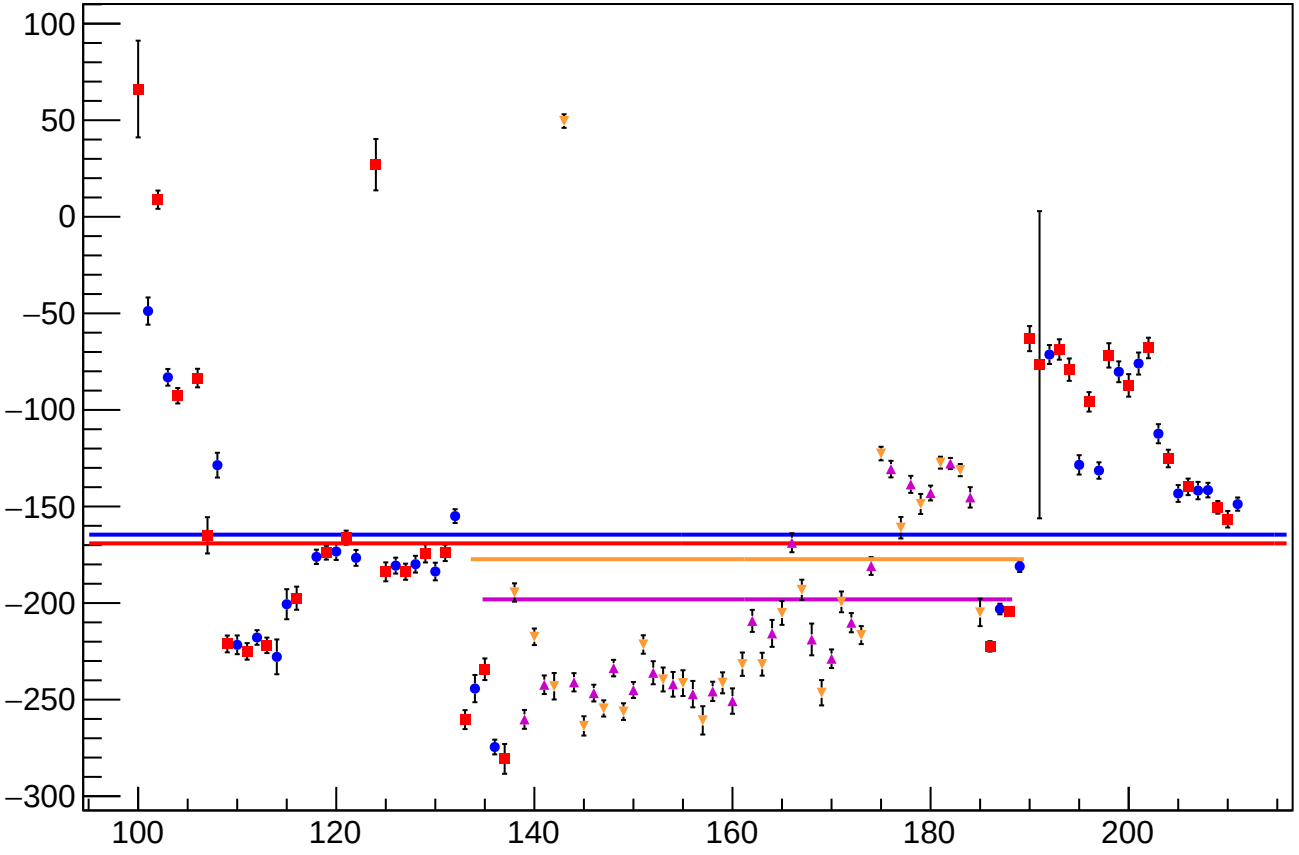
Left In: 4.102+/-0.769 χ^2/NDF:398.9/22

+ sign 0.105+/-0.558 χ^2/NDF: 1089.3/52

All: -0.627+/-0.397 χ^2/NDF: 2247.1/108

- sign -1.378+/-0.565 χ^2/NDF: 1154.3/55

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs Slug



Right In: -164.580+/-0.816 χ^2/NDF: 3505.4/27

Left Out: -177.283+/-0.956 χ^2/NDF:7040.0/24

Right Out: -169.100+/-0.725 χ^2/NDF: 6692.6/32

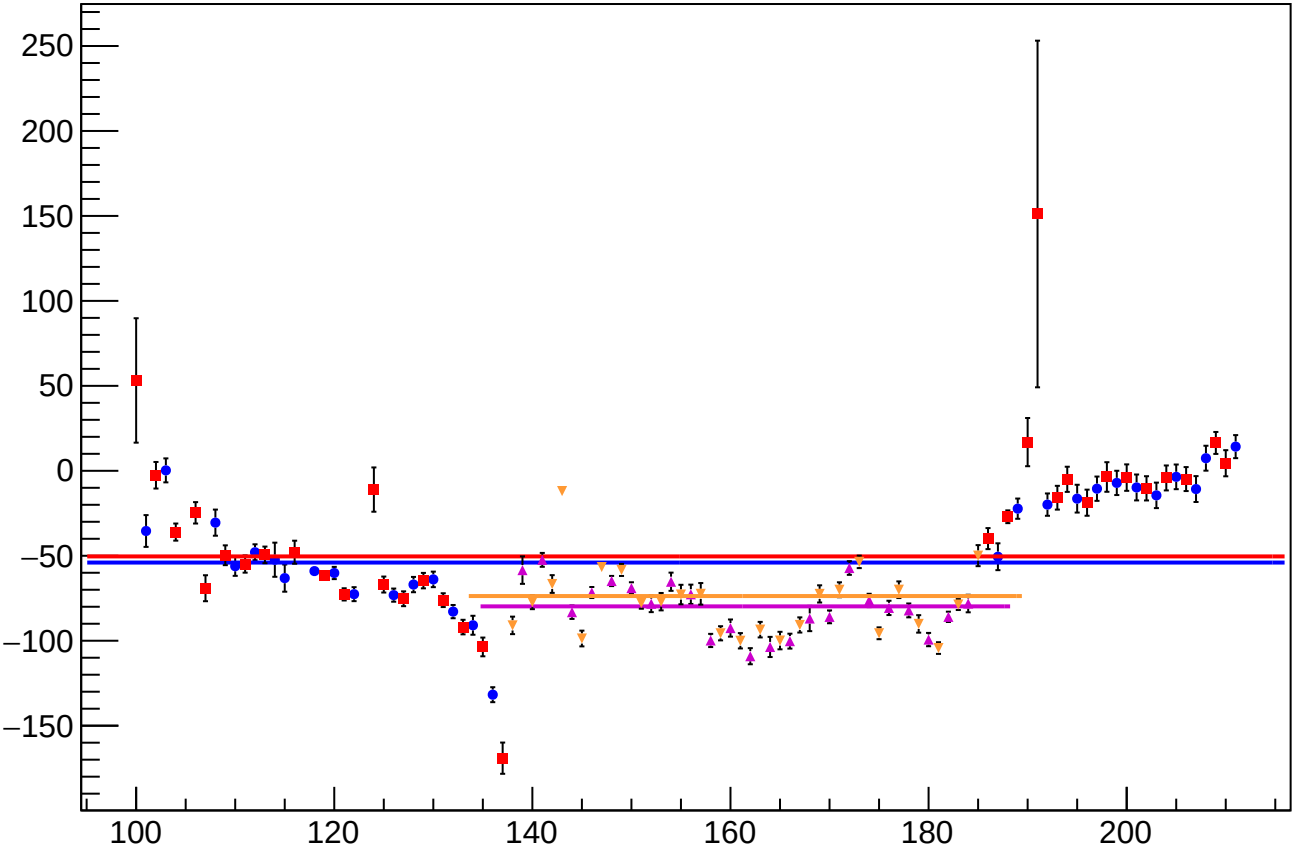
Left In: -198.088+/-1.000 χ^2/NDF:2386.2/22

+ sign -169.932+/-0.621 χ^2/NDF: 10647.5/52

All: -174.763+/-0.426 χ^2/NDF: 20392.0/108

- sign -179.084+/-0.587 χ^2/NDF: 9629.6/55

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs Slug



Right In: -53.994+/-1.026 χ^2/NDF: 1019.5/27

Left Out: -73.706+/-0.829 χ^2/NDF:839.6/24

Right Out: -50.378+/-0.989 χ^2/NDF: 1070.0/32

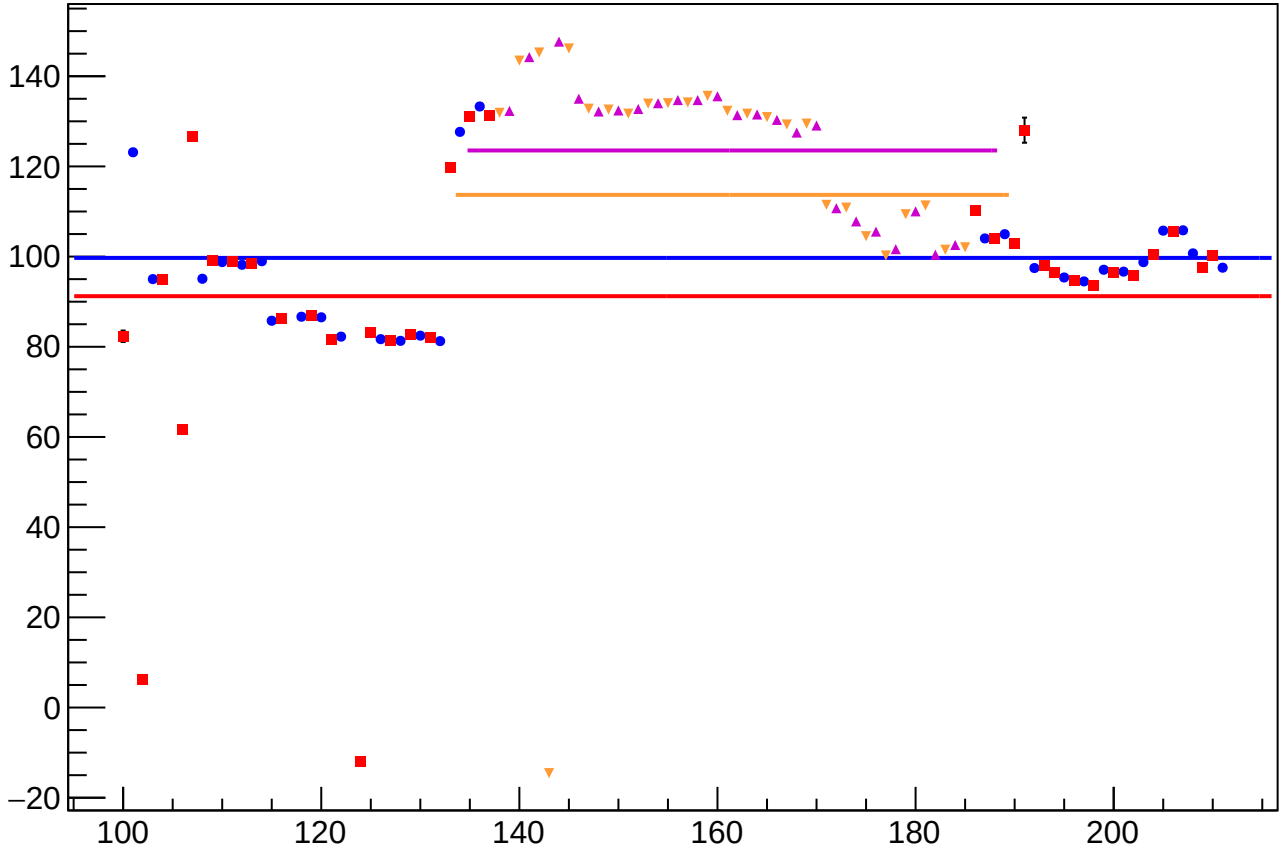
Left In: -79.777+/-0.874 χ^2/NDF:277.1/22

\+ sign -65.922+/-0.645 χ^2/NDF: 2082.4/52

All: -66.400+/-0.460 χ^2/NDF: 3926.5/108

\- sign -66.893+/-0.655 χ^2/NDF: 1843.0/55

reg_asym_atr1l2_dd_diff_bpm12X_slope vs Slug



Right In: 99.713+/-0.053 χ^2/NDF: 70097.3/27

Left Out: 113.687+/-0.038 χ^2/NDF:963156.9/24

Right Out: 91.223+/-0.050 χ^2/NDF: 288881.7/32

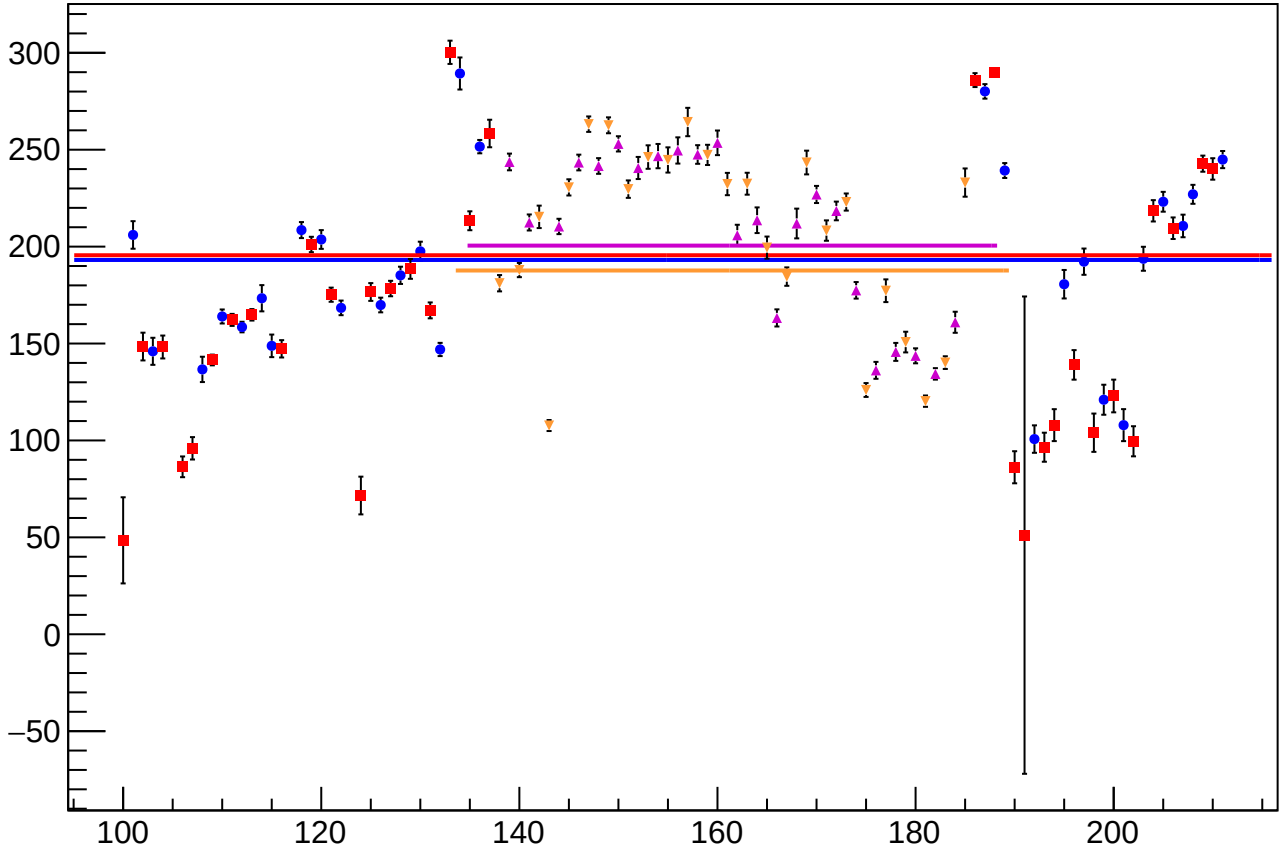
Left In: 123.538+/-0.040 χ^2/NDF:134613.3/22

+ sign 108.875+/-0.031 χ^2/NDF: 1078953.3/52

All: 109.923+/-0.022 χ^2/NDF: 1763592.6/108

- sign 110.965+/-0.031 χ^2/NDF: 682369.6/55

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs Slug



Right In: 193.109+/-0.891 χ^2/NDF: 2401.7/27

Left Out: 187.681+/-0.898 χ^2/NDF:3528.3/24

Right Out: 195.547+/-0.802 χ^2/NDF: 6210.6/32

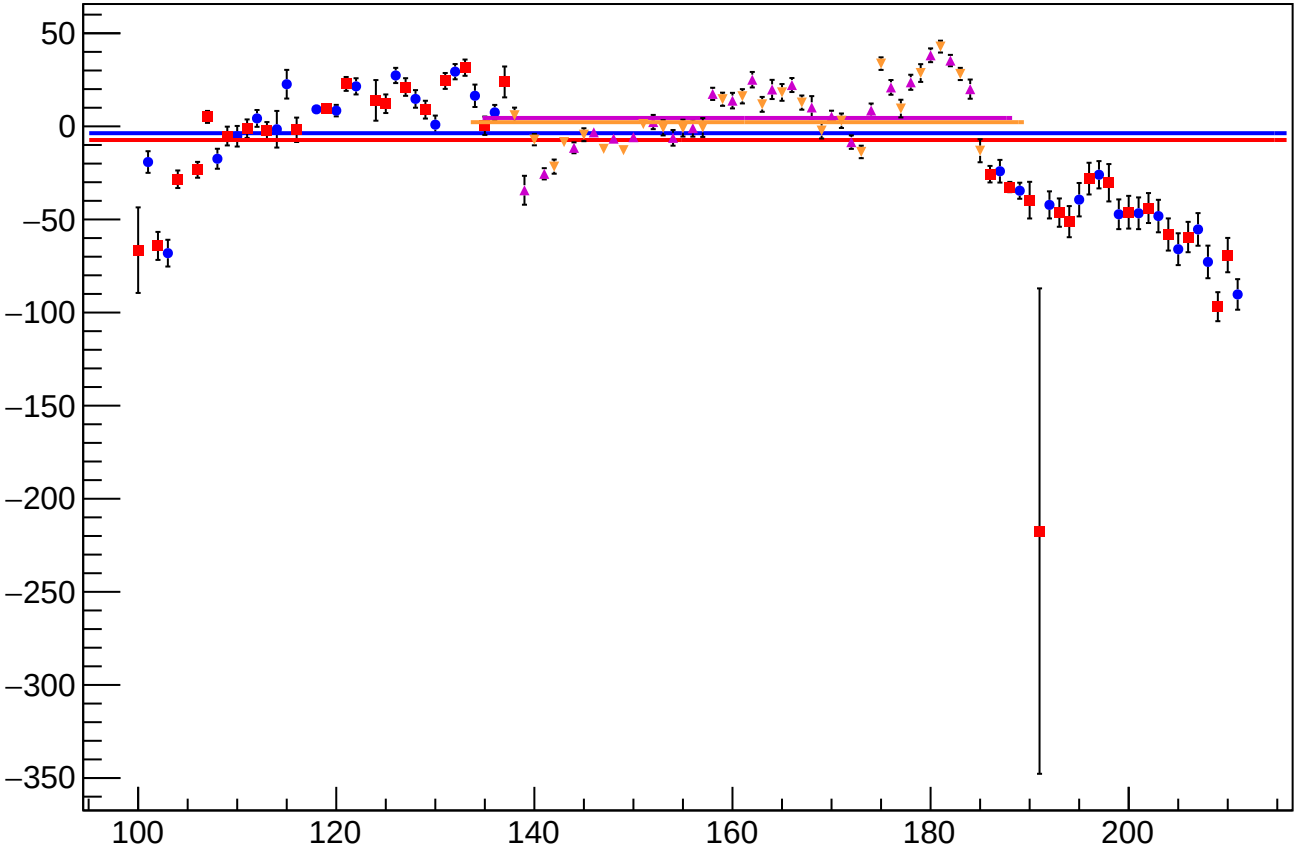
Left In: 200.521+/-0.955 χ^2/NDF:2111.4/22

+ sign 190.415+/-0.632 χ^2/NDF: 5948.4/52

All: 194.114+/-0.441 χ^2/NDF: 14352.9/108

- sign 197.604+/-0.614 χ^2/NDF: 8337.9/55

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs Slug



Right In: -3.668+/-0.983 χ^2/NDF: 800.2/27

Left Out: 2.245+/-0.665 χ^2/NDF:600.9/24

Right Out: -7.331+/-0.906 χ^2/NDF: 914.9/32

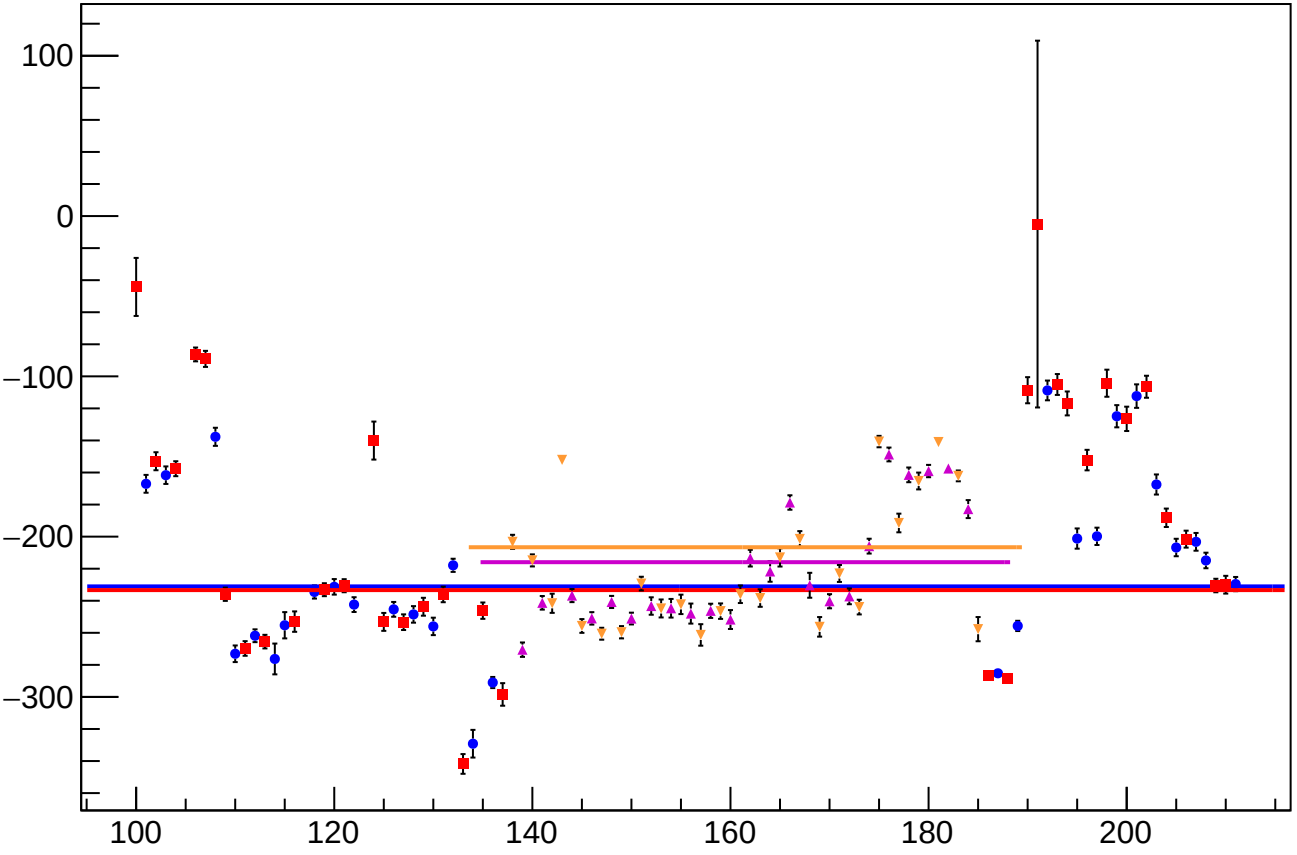
Left In: 4.513+/-0.714 χ^2/NDF:547.1/22

+ sign 0.391+/-0.551 χ^2/NDF: 1425.9/52

All: 0.185+/-0.393 χ^2/NDF: 2993.6/108

- sign -0.029+/-0.561 χ^2/NDF: 1567.5/55

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs Slug



Right In: -231.045+/-0.929 χ^2/NDF: 2683.2/27

Left Out: -206.617+/-0.895 χ^2/NDF:2467.8/24

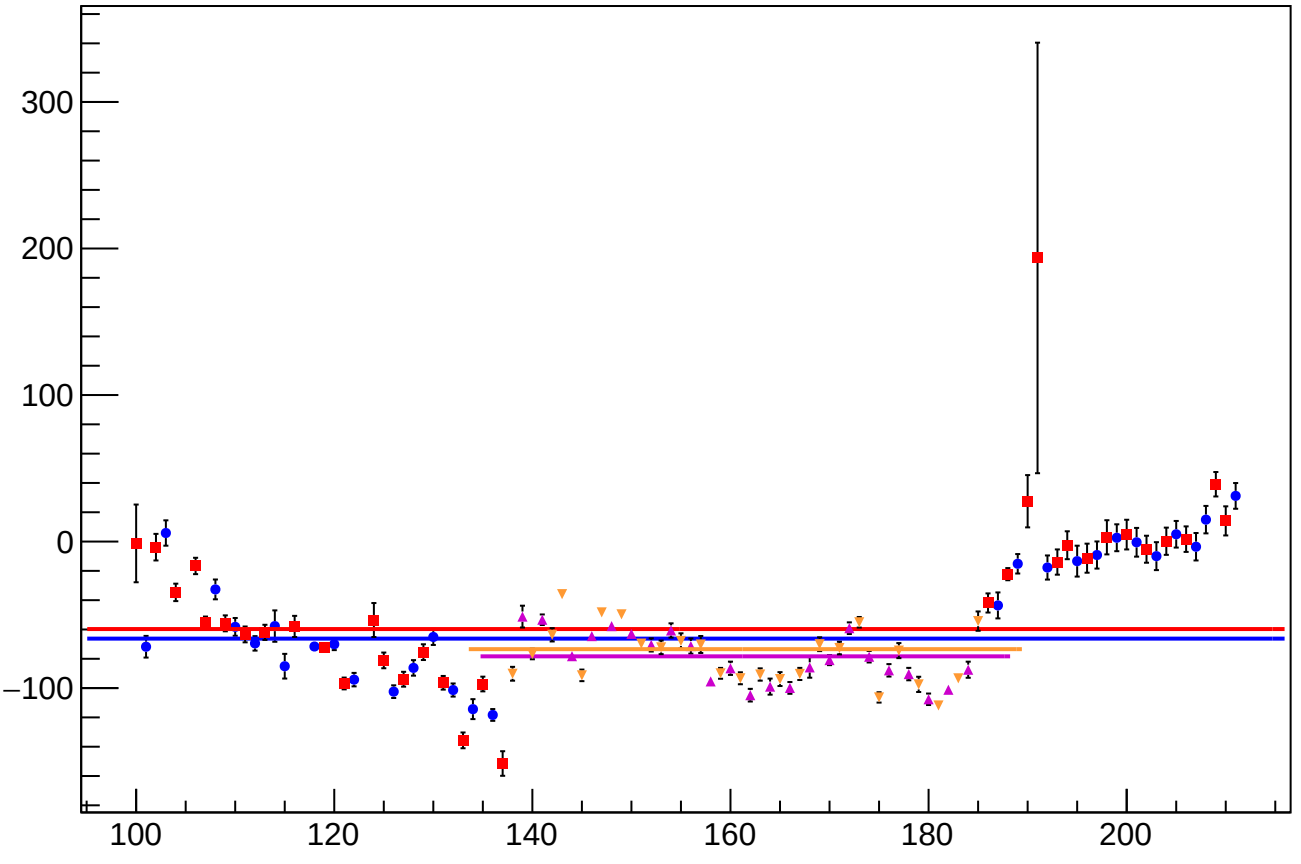
Right Out: -233.354+/-0.808 χ^2/NDF: 6660.2/32

Left In: -215.938+/-0.946 χ^2/NDF:1711.9/22

+ sign -218.369+/-0.645 χ^2/NDF: 5509.6/52

All: -222.367+/-0.445 χ^2/NDF: 14151.0/108

- sign -226.004+/-0.615 χ^2/NDF: 8568.0/55



Right In: -66.238+/-1.150 χ^2/NDF: 1110.7/27

Left Out: -73.426+/-0.767 χ^2/NDF:836.6/24

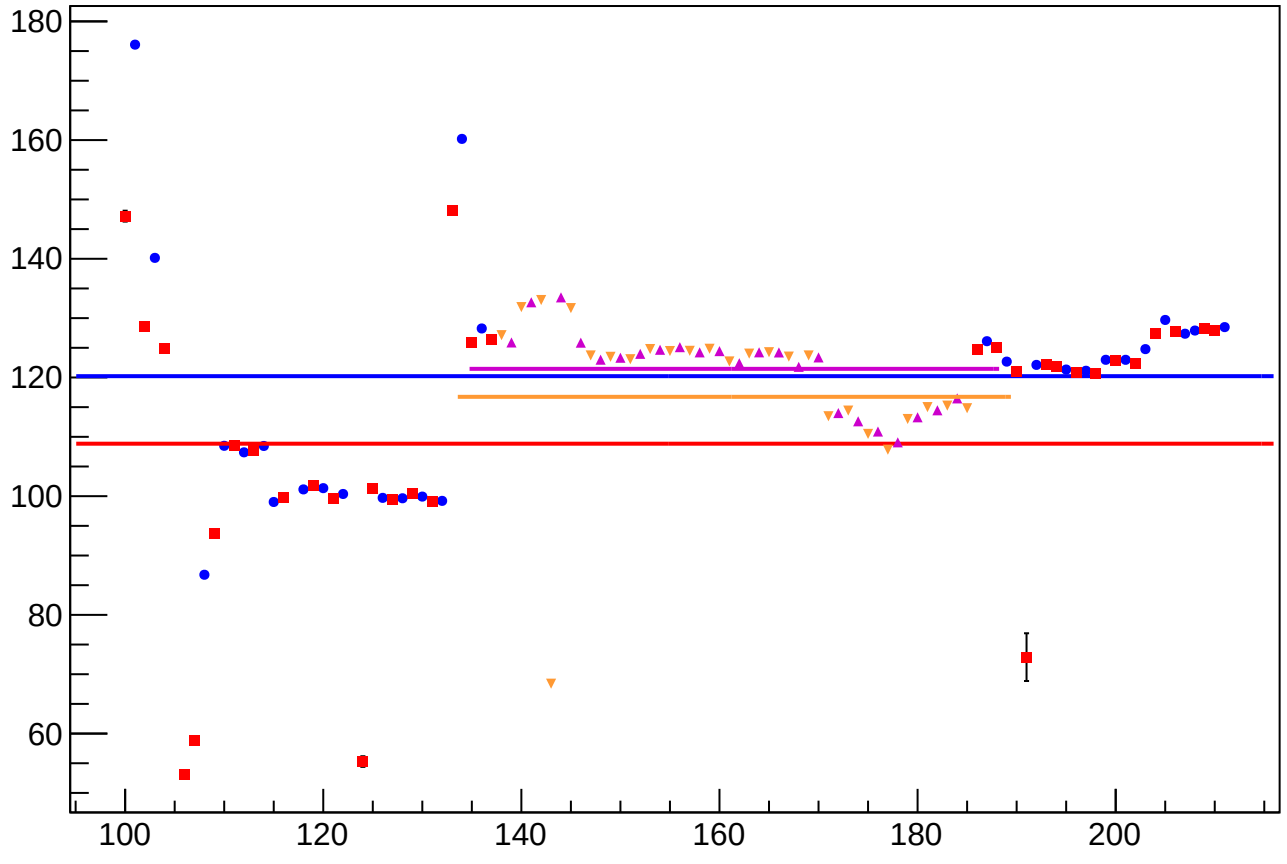
Right Out: -59.707+/-1.079 χ^2/NDF: 1323.1/32

Left In: -78.329+/-0.817 χ^2/NDF:443.2/22

+ sign -71.214+/-0.638 χ^2/NDF: 1974.3/52

All: -71.375+/-0.456 χ^2/NDF: 3929.9/108

- sign -71.542+/-0.652 χ^2/NDF: 1955.5/55



Right In: 120.221+/-0.061 χ^2/NDF: 98804.2/27

Left Out: 116.740+/-0.036 χ^2/NDF:203650.9/24

Right Out: 108.843+/-0.055 χ^2/NDF: 212221.7/32

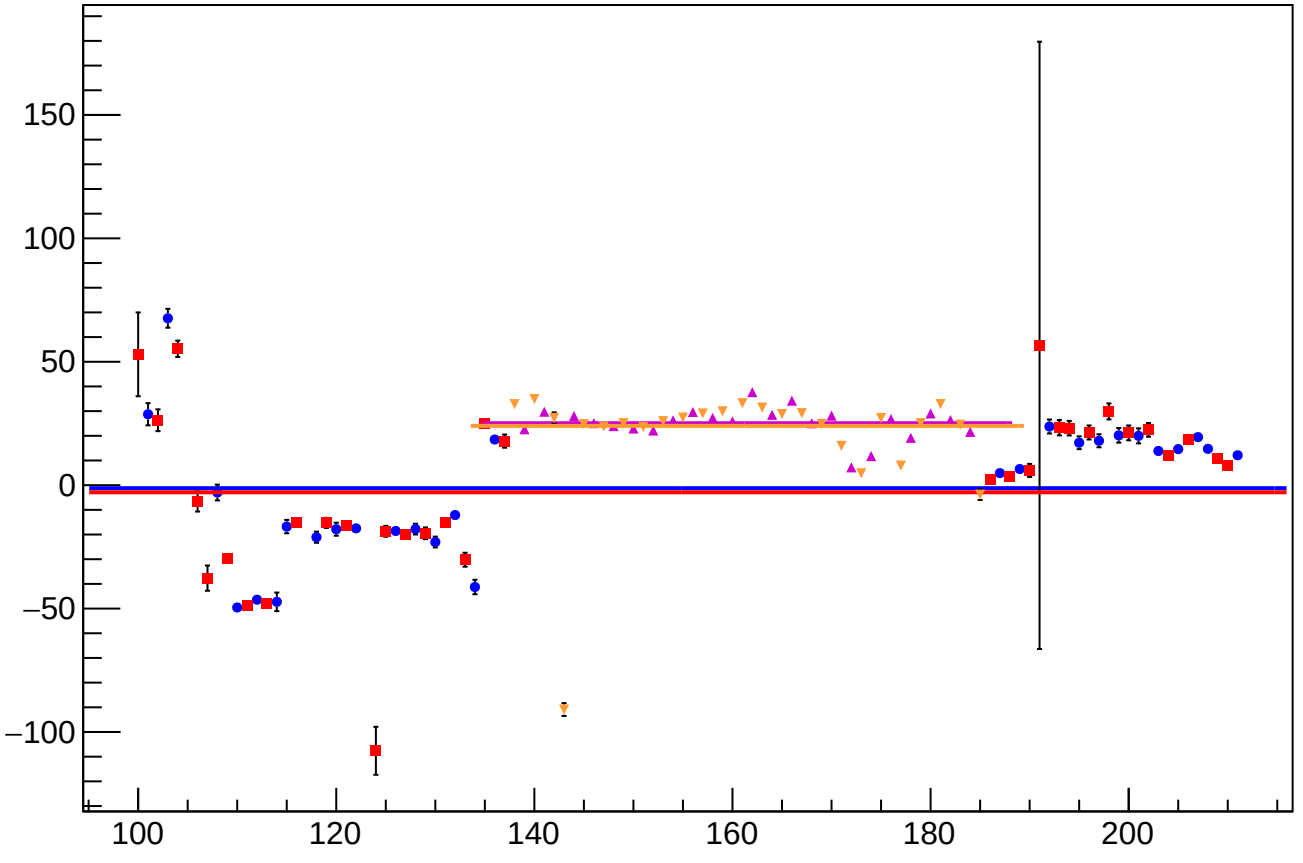
Left In: 121.455+/-0.037 χ^2/NDF:28796.4/22

\+ sign 117.643+/-0.031 χ^2/NDF: 304904.5/52

All: 117.575+/-0.022 χ^2/NDF: 581791.7/108

\- sign 117.506+/-0.031 χ^2/NDF: 276877.3/55

reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs Slug



Right In: -1.216+/-0.389 χ^2/NDF: 3652.3/27

Left Out: 24.025+/-0.282 χ^2/NDF:2802.2/24

Right Out: -2.885+/-0.364 χ^2/NDF: 3872.1/32

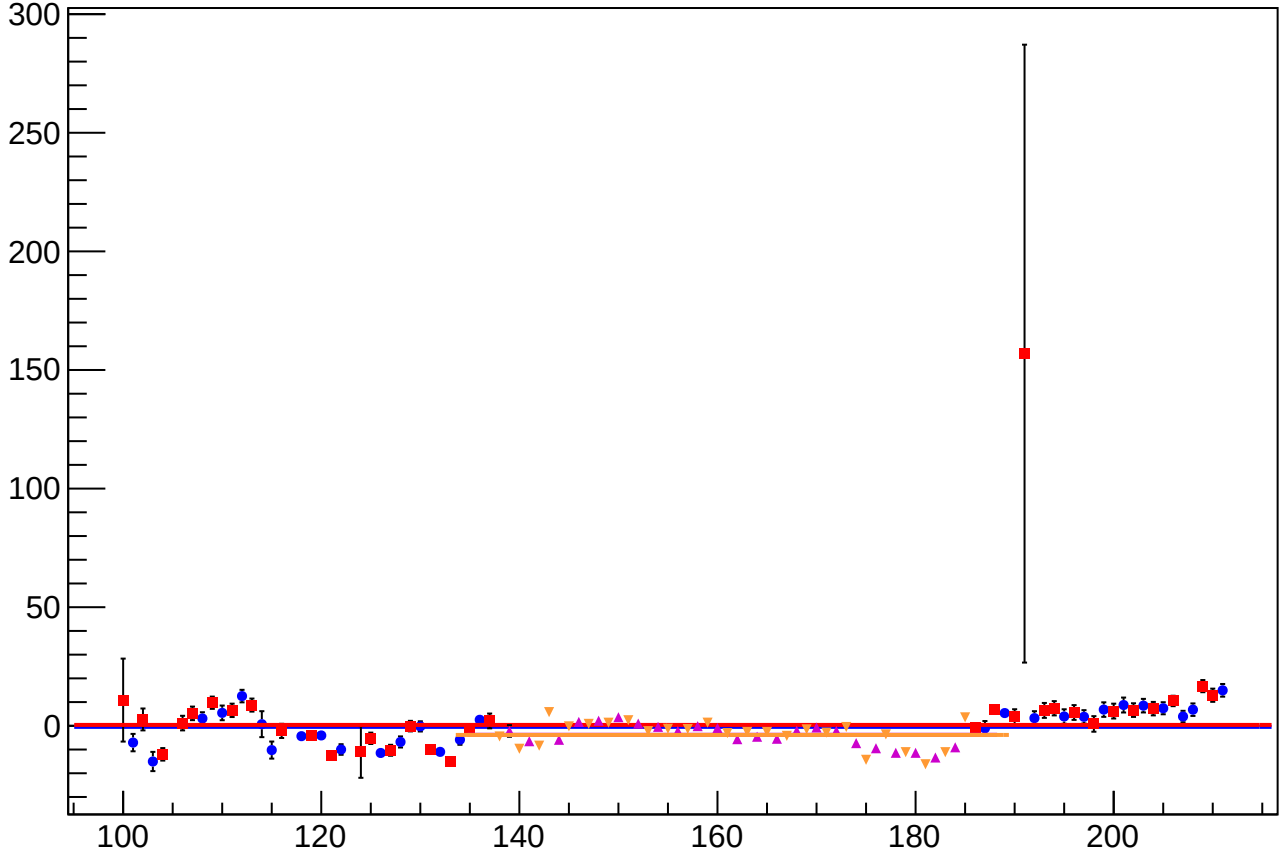
Left In: 25.089+/-0.287 χ^2/NDF:495.3/22

+ sign 15.327+/-0.228 χ^2/NDF: 9214.8/52

All: 14.830+/-0.160 χ^2/NDF: 17235.3/108

- sign 14.345+/-0.225 χ^2/NDF: 8011.0/55

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs Slug



Right In: -0.441+/-0.452 χ^2/NDF: 249.4/27

Left Out: -3.845+/-0.218 χ^2/NDF:649.4/24

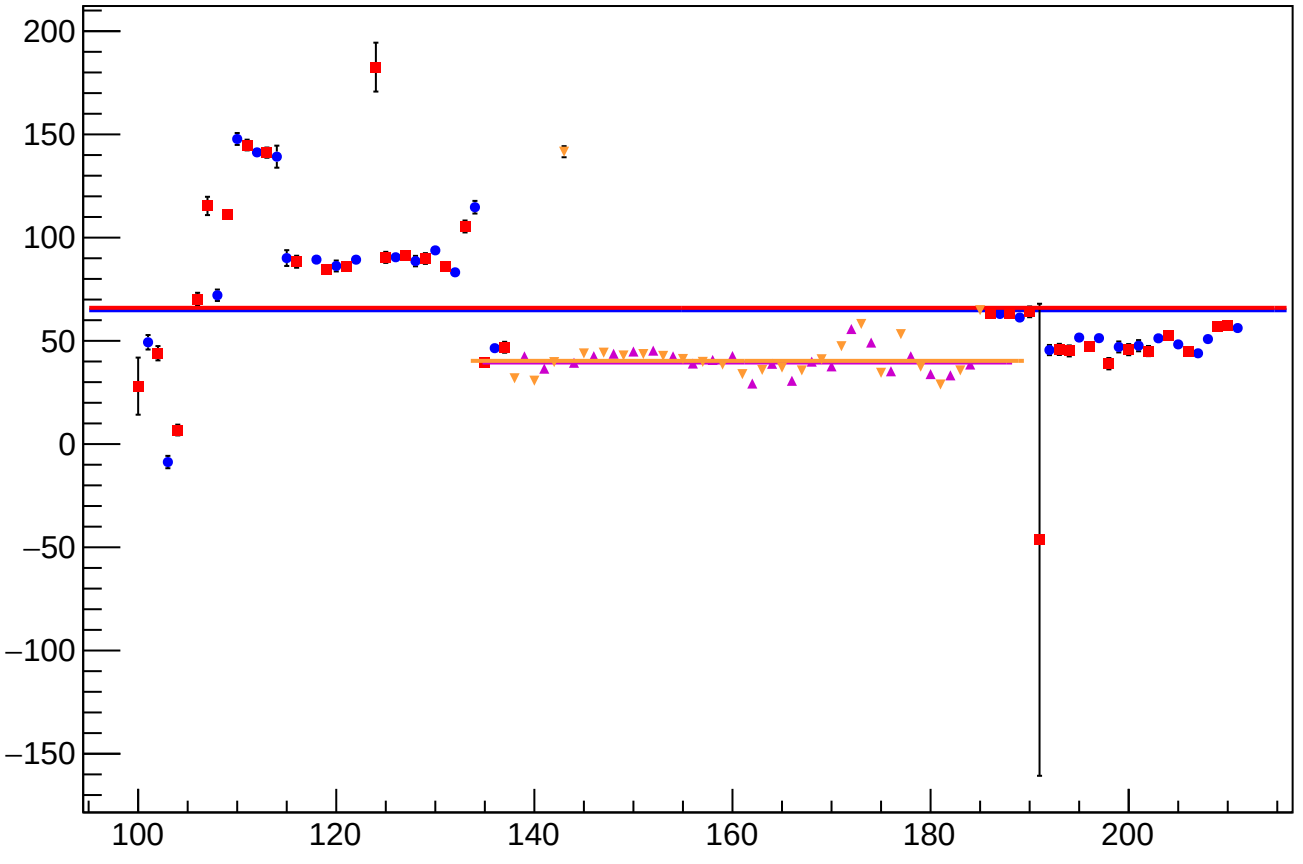
Right Out: 0.379+/-0.432 χ^2/NDF: 346.6/32

Left In: -3.780+/-0.224 χ^2/NDF:509.8/22

+ sign -3.203+/-0.196 χ^2/NDF: 944.9/52

All: -3.054+/-0.140 χ^2/NDF: 1875.5/108

- sign -2.902+/-0.199 χ^2/NDF: 929.4/55



Right In: 64.814+/-0.397 χ^2/NDF: 4642.3/27

Left Out: 40.315+/-0.280 χ^2/NDF:2182.8/24

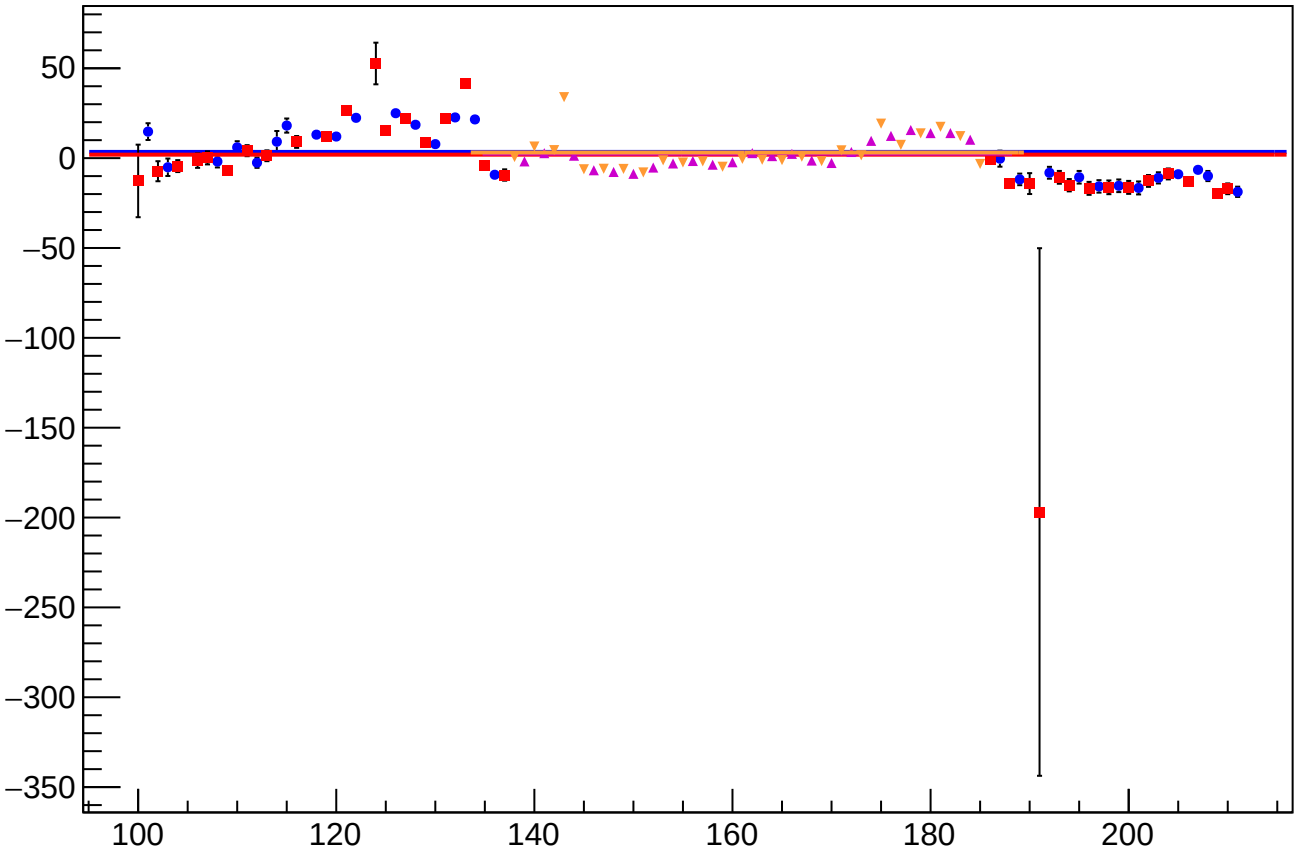
Right Out: 66.007+/-0.361 χ^2/NDF: 4826.8/32

Left In: 39.504+/-0.285 χ^2/NDF:432.1/22

\+ sign 48.453+/-0.229 χ^2/NDF: 9365.2/52

All: 49.076+/-0.160 χ^2/NDF: 17962.5/108

\- sign 49.671+/-0.224 χ^2/NDF: 8582.8/55



Right In: 3.458+/-0.517 χ^2/NDF: 763.5/27

Left Out: 3.142+/-0.245 χ^2/NDF:1267.0/24

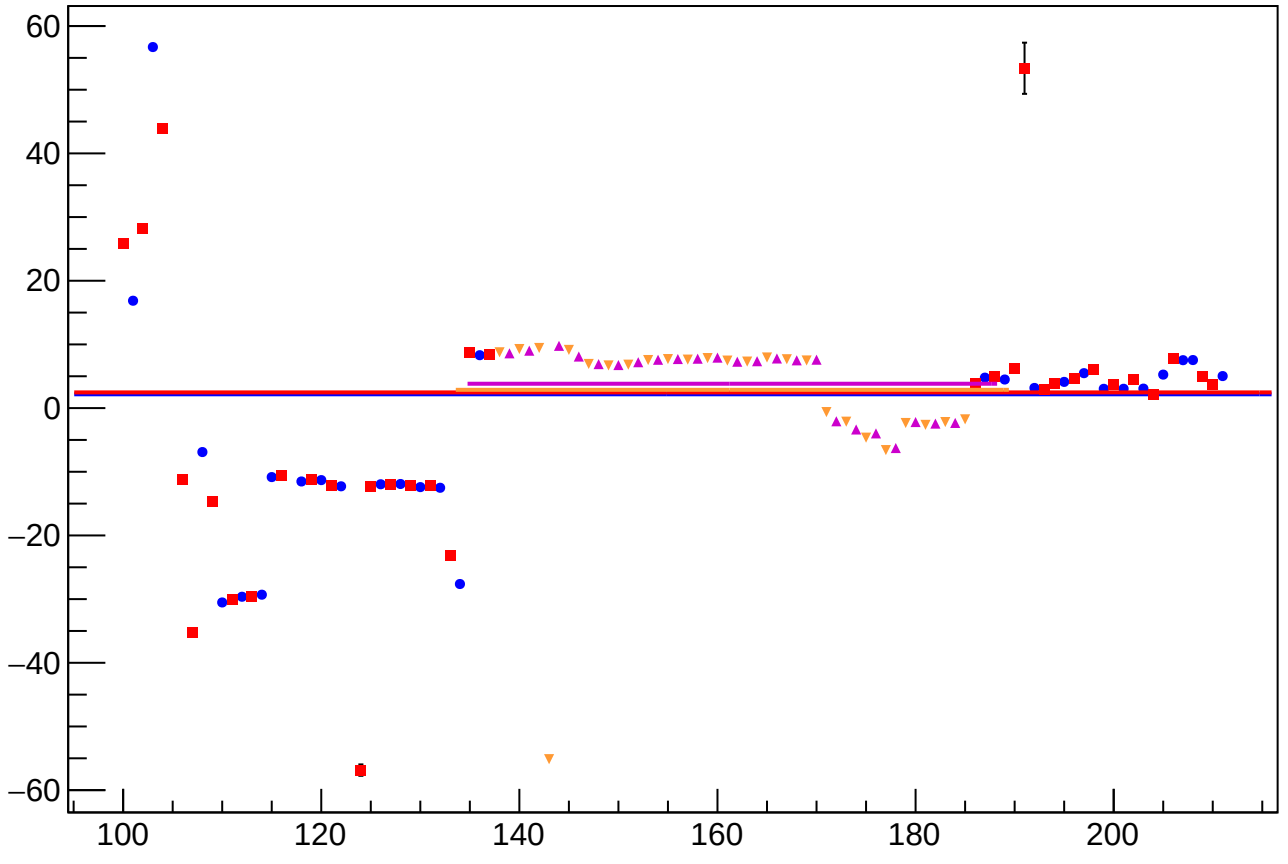
Right Out: 1.931+/-0.508 χ^2/NDF: 1001.3/32

Left In: 2.519+/-0.251 χ^2/NDF:968.2/22

+ sign 3.200+/-0.222 χ^2/NDF: 2030.8/52

All: 2.808+/-0.158 χ^2/NDF: 4007.7/108

- sign 2.403+/-0.225 χ^2/NDF: 1970.5/55



Right In: 2.168+/-0.024 χ^2/NDF: 382828.5/27

Left Out: 2.870+/-0.011 χ^2/NDF:512331.0/24

Right Out: 2.465+/-0.024 χ^2/NDF: 330670.8/32

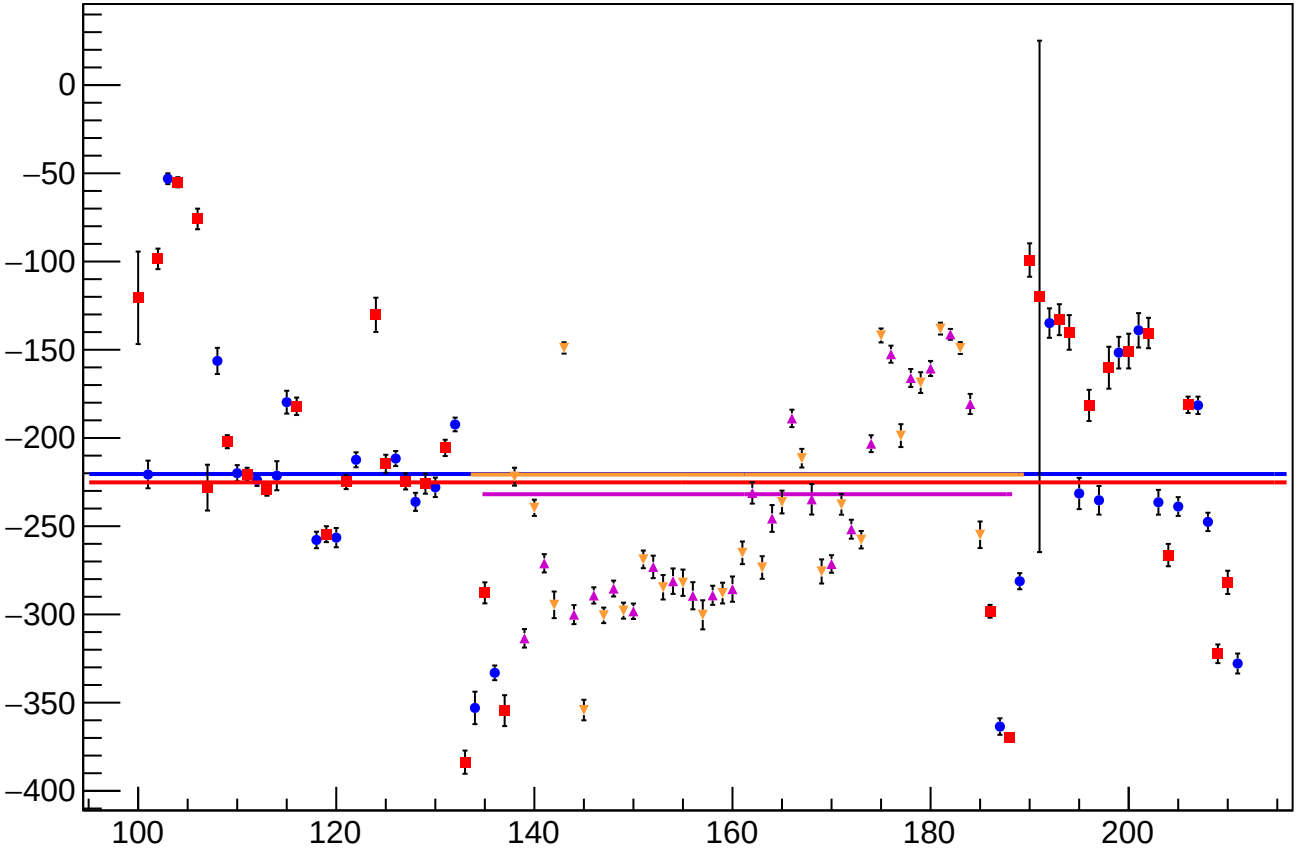
Left In: 3.825+/-0.011 χ^2/NDF:233224.7/22

+ sign 2.752+/-0.010 χ^2/NDF: 895846.2/52

All: 3.168+/-0.007 χ^2/NDF: 1465812.4/108

- sign 3.589+/-0.010 χ^2/NDF: 566504.1/55

reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs Slug



Right In: -220.427+/-0.982 χ^2/NDF: 6029.4/27

Left Out: -220.723+/-1.018 χ^2/NDF:4052.2/24

Right Out: -225.158+/-0.899 χ^2/NDF: 10687.7/32

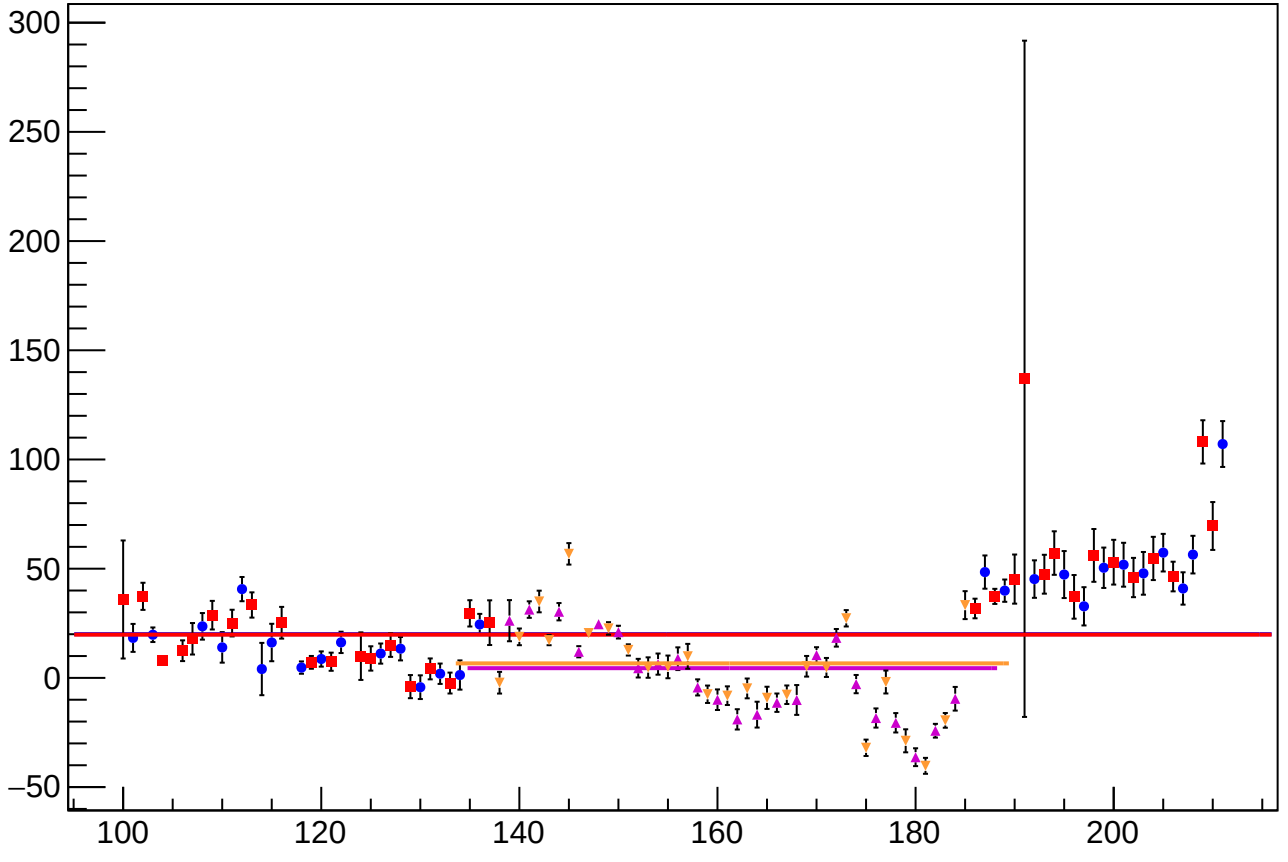
Left In: -231.871+/-1.077 χ^2/NDF:3160.3/22

+ sign -220.570+/-0.707 χ^2/NDF: 10081.6/52

All: -224.331+/-0.494 χ^2/NDF: 24007.9/108

- sign -227.914+/-0.690 χ^2/NDF: 13871.0/55

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs Slug



Right In: 20.011+/-1.073 χ^2/NDF: 295.3/27

Left Out: 6.643+/-0.752 χ^2/NDF:735.0/24

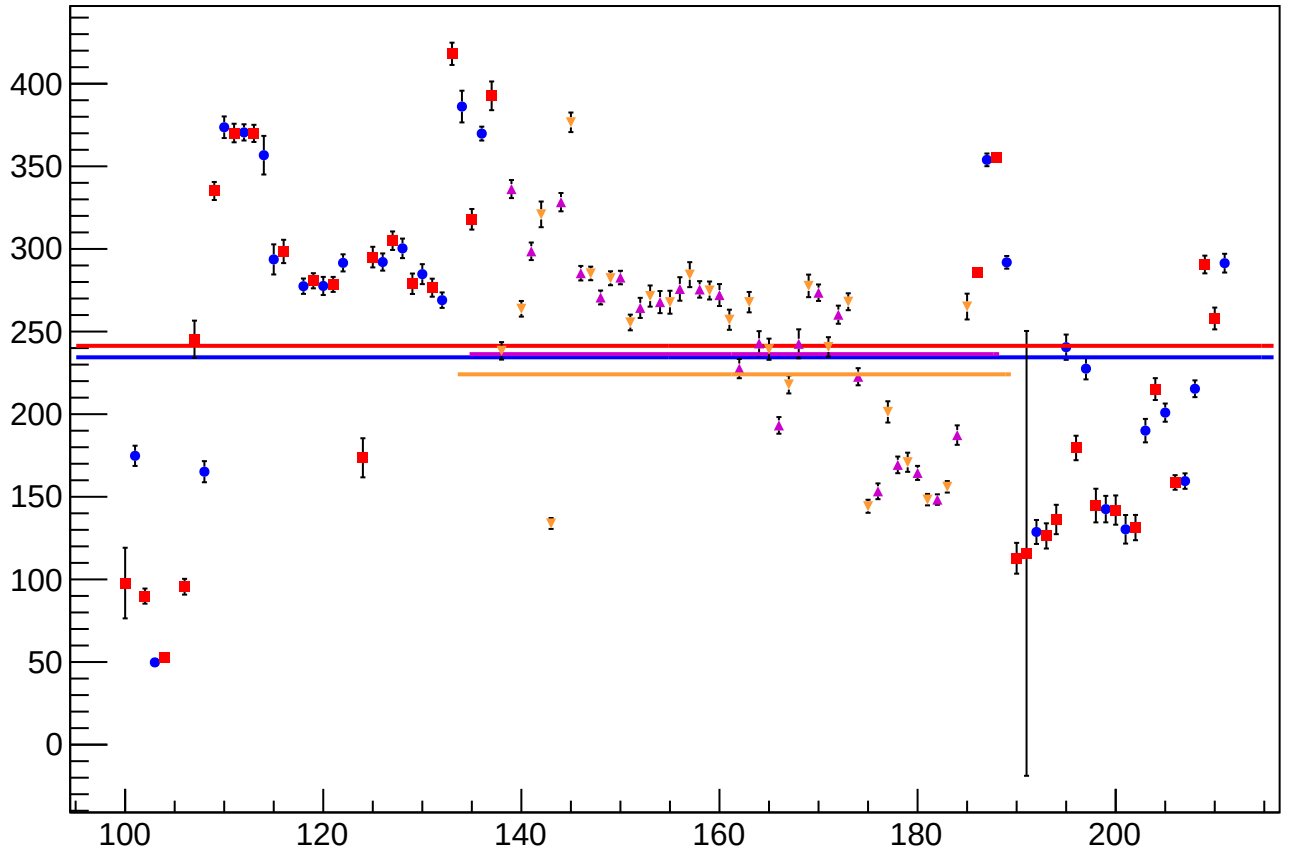
Right Out: 19.803+/-0.977 χ^2/NDF: 355.7/32

Left In: 4.447+/-0.807 χ^2/NDF:567.1/22

+ sign 11.050+/-0.616 χ^2/NDF: 1134.3/52

All: 10.865+/-0.438 χ^2/NDF: 2204.1/108

- sign 10.676+/-0.622 χ^2/NDF: 1069.6/55



Right In: 234.414+/-0.989 χ^2/NDF: 11513.5/27

Left Out: 224.123+/-1.014 χ^2/NDF:3966.6/24

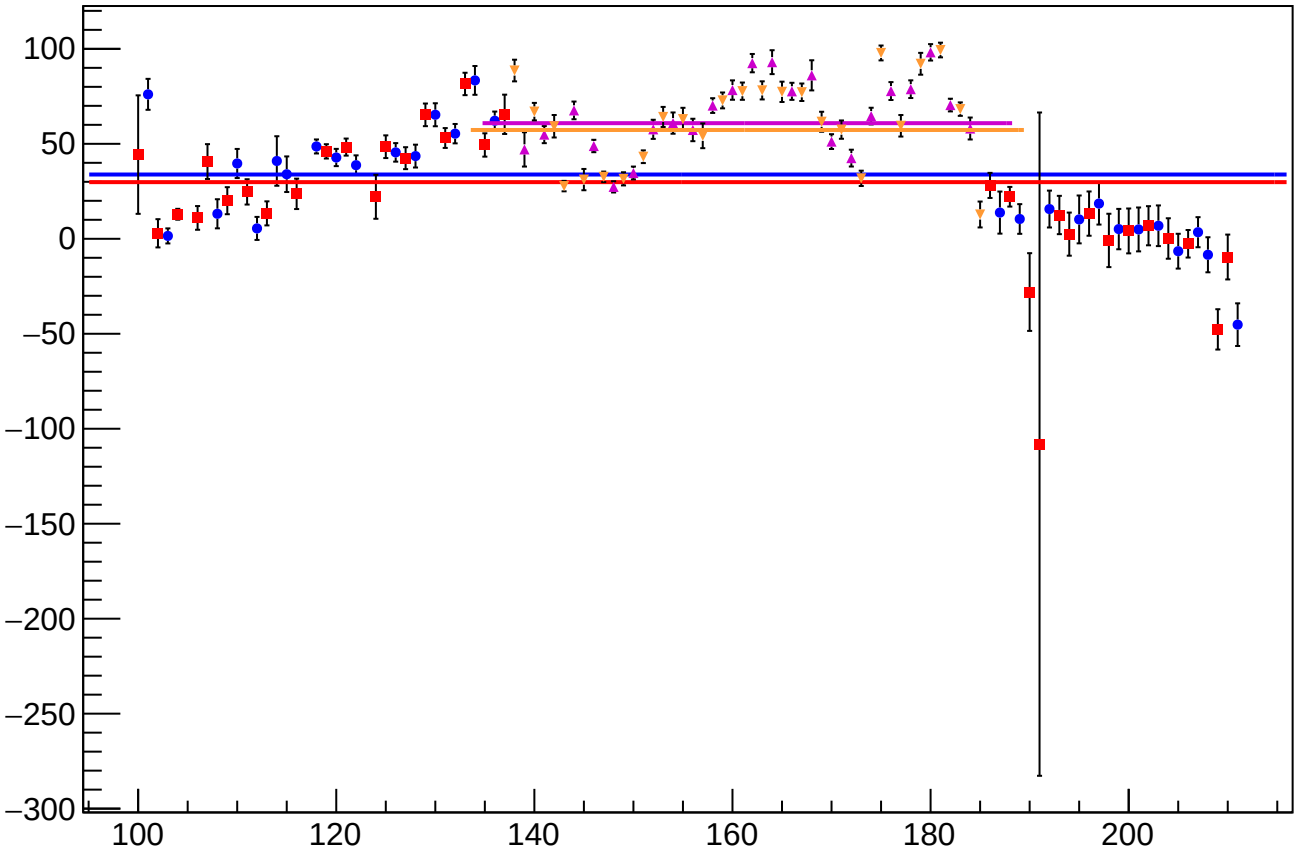
Right Out: 241.366+/-0.878 χ^2/NDF: 17061.7/32

Left In: 236.342+/-1.066 χ^2/NDF:2992.9/22

+ sign 229.396+/-0.708 χ^2/NDF: 15533.0/52

All: 234.583+/-0.489 χ^2/NDF: 35703.8/108

- sign 239.337+/-0.678 χ^2/NDF: 20067.9/55



Right In: 33.843+/-1.256 χ^2/NDF: 419.9/27

Left Out: 57.288+/-0.868 χ^2/NDF:767.9/24

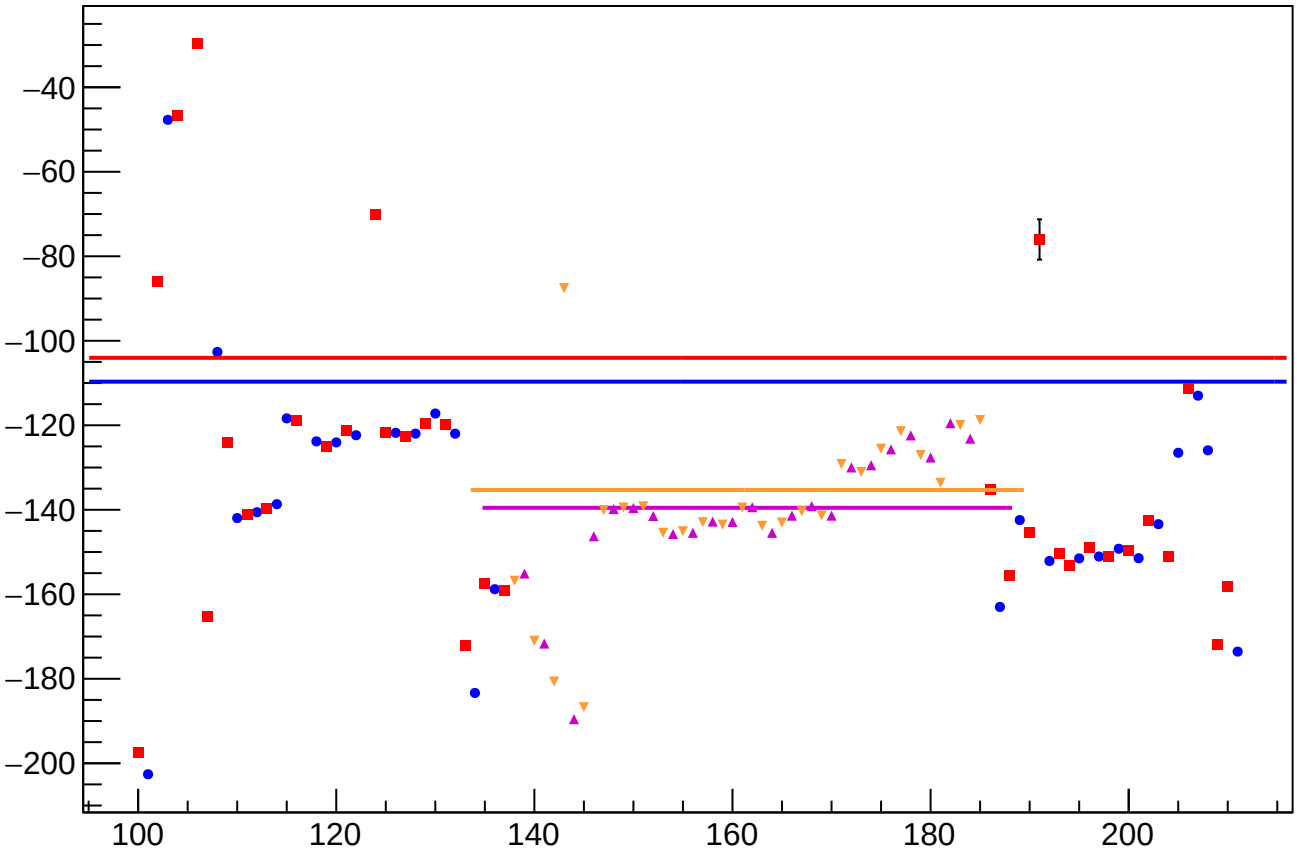
Right Out: 29.830+/-1.171 χ^2/NDF: 401.4/32

Left In: 60.877+/-0.923 χ^2/NDF:454.7/22

+ sign 49.707+/-0.714 χ^2/NDF: 1423.6/52

All: 49.350+/-0.509 χ^2/NDF: 2714.2/108

- sign 48.982+/-0.725 χ^2/NDF: 1290.1/55



Right In: -109.678+/-0.058 χ^2/NDF: 679769.3/27

Left Out: -135.305+/-0.041 χ^2/NDF:262874.5/24

Right Out: -104.030+/-0.056 χ^2/NDF: 749068.0/32

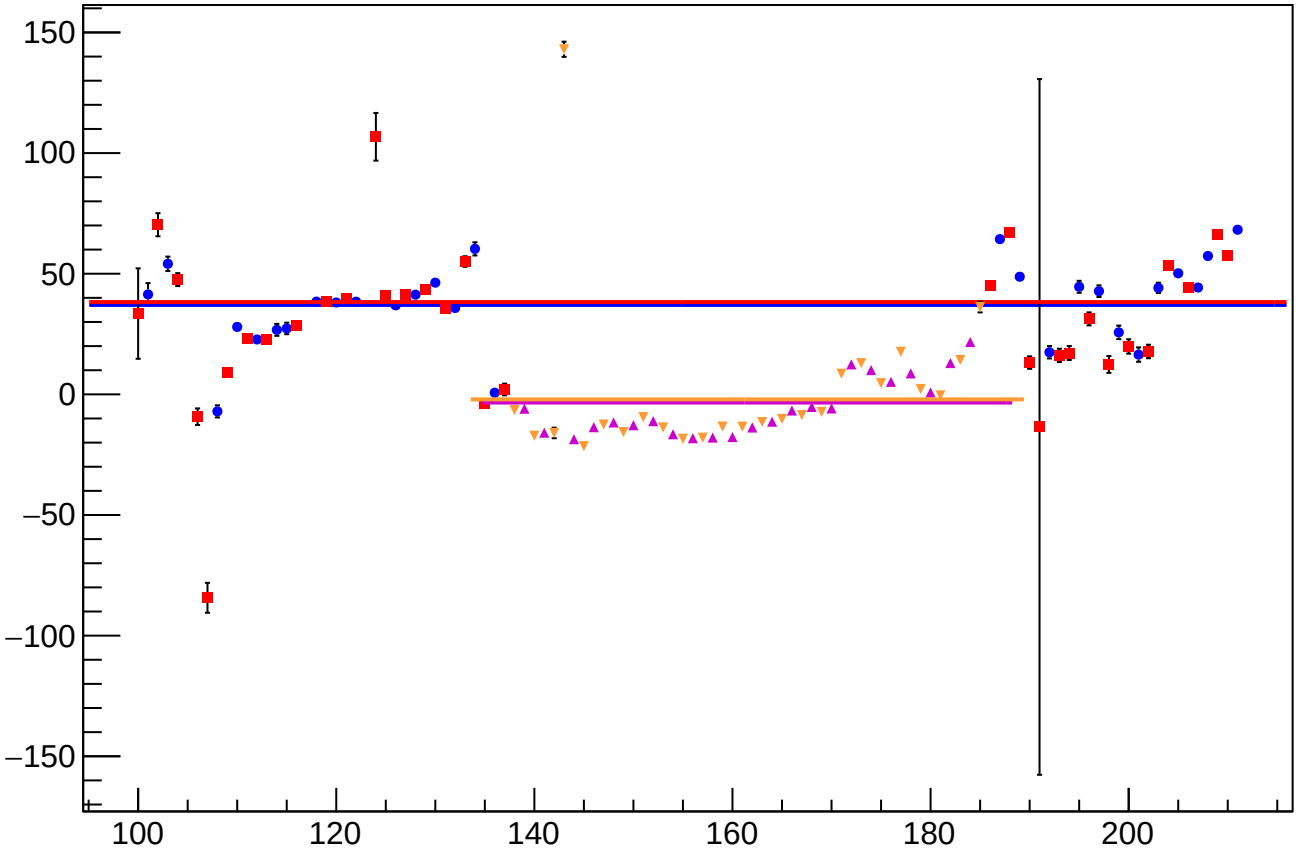
Left In: -139.533+/-0.042 χ^2/NDF:114482.7/22

+ sign -126.887+/-0.033 χ^2/NDF: 1073678.8/52

All: -126.763+/-0.024 χ^2/NDF: 2195462.8/10

- sign -126.636+/-0.034 χ^2/NDF: 1121755.9/55

reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs Slug



Right In: 37.072+/-0.334 χ^2/NDF: 2894.3/27

Left Out: -2.091+/-0.267 χ^2/NDF:4201.3/24

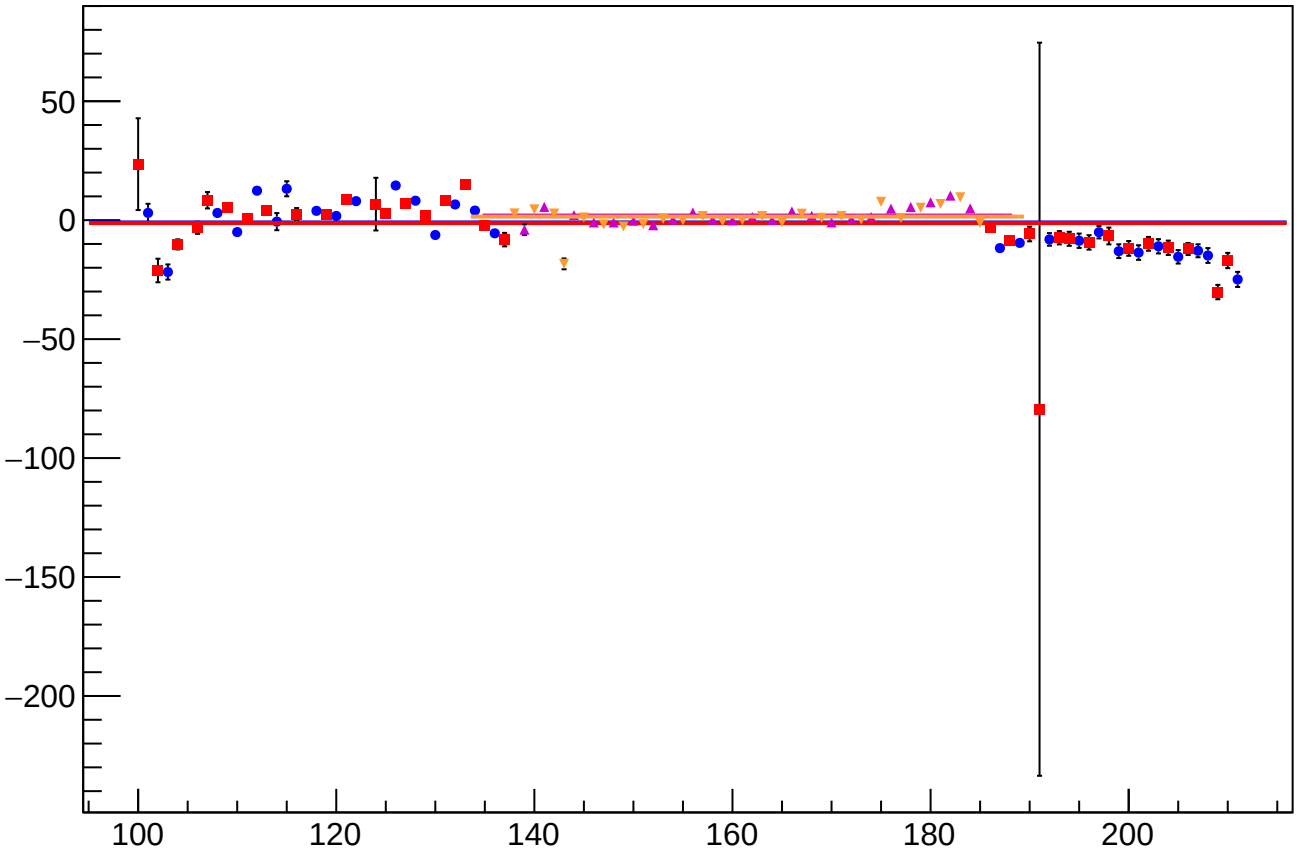
Right Out: 38.251+/-0.298 χ^2/NDF: 5139.9/32

Left In: -3.391+/-0.271 χ^2/NDF:1752.8/22

+ sign 13.141+/-0.209 χ^2/NDF: 15477.9/52

All: 14.344+/-0.145 χ^2/NDF: 33099.8/108

- sign 15.458+/-0.201 χ^2/NDF: 17557.8/55



Right In: -0.956+/-0.379 χ^2/NDF: 568.7/27

Left Out: 1.489+/-0.205 χ^2/NDF:328.6/24

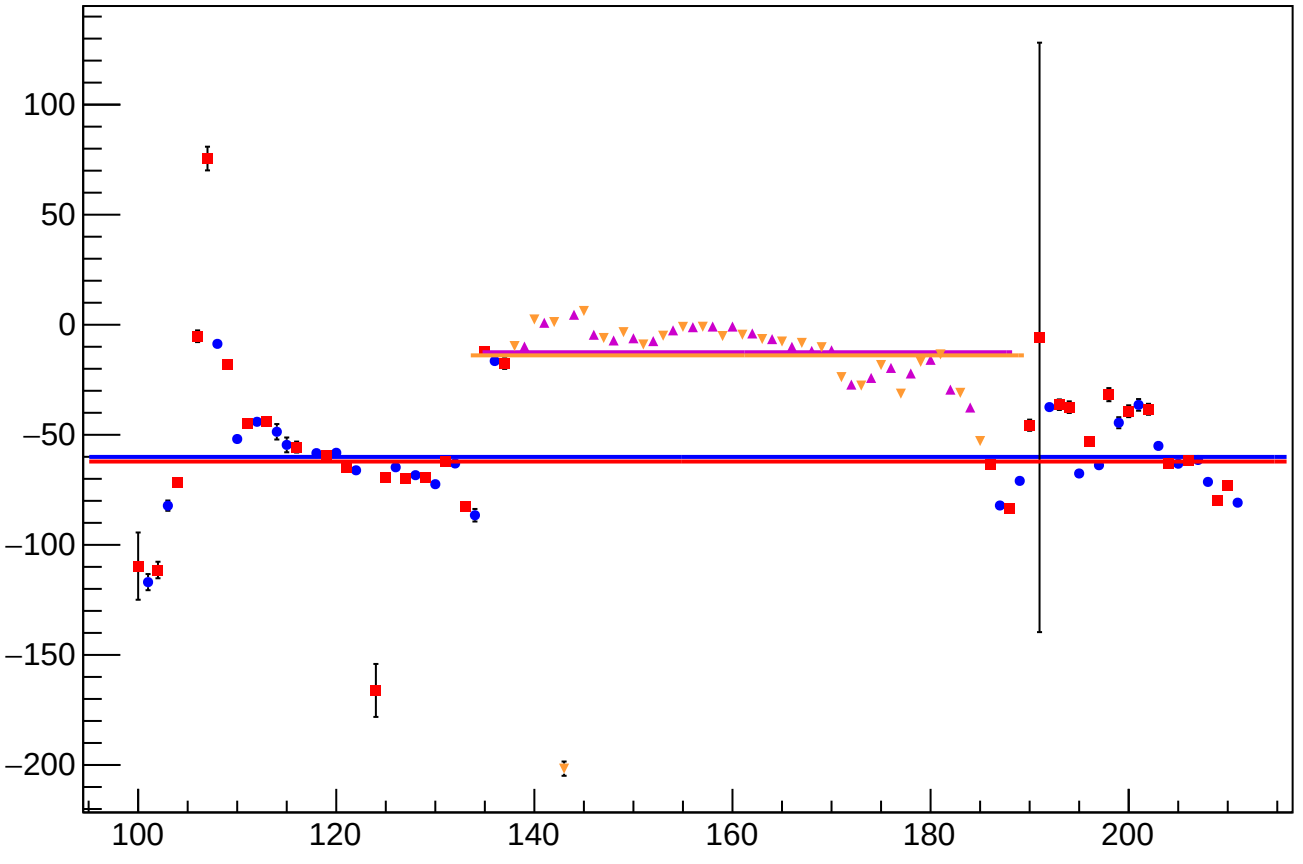
Right Out: -1.219+/-0.353 χ^2/NDF: 528.4/32

Left In: 1.933+/-0.210 χ^2/NDF:240.7/22

+ sign 0.935+/-0.180 χ^2/NDF: 929.4/52

All: 1.022+/-0.128 χ^2/NDF: 1757.6/108

- sign 1.108+/-0.181 χ^2/NDF: 827.7/55



Right In: -60.042+/-0.345 χ^2/NDF: 3538.8/27

Left Out: -13.908+/-0.265 χ^2/NDF:5128.3/24

Right Out: -62.142+/-0.294 χ^2/NDF: 5624.1/32

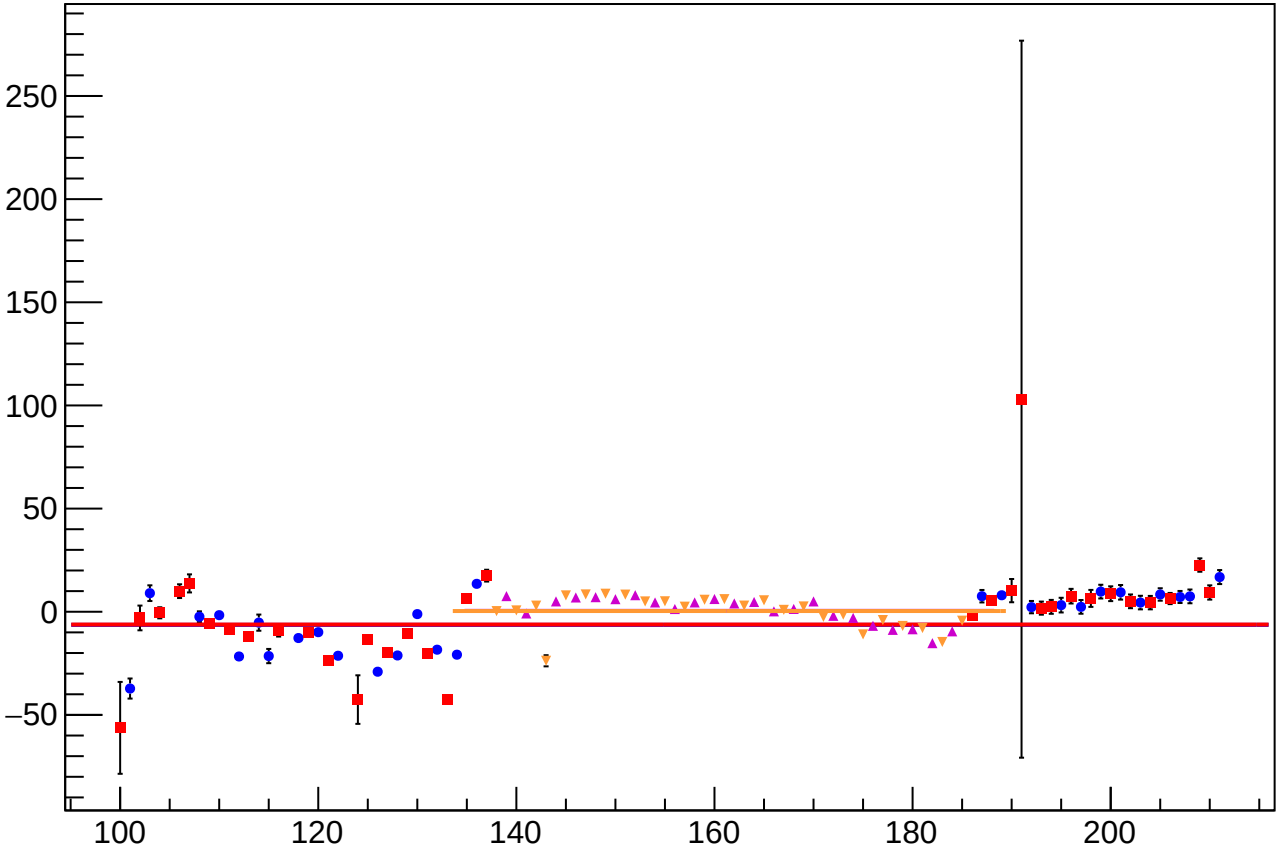
Left In: -12.494+/-0.269 χ^2/NDF:1430.3/22

\+ sign -30.985+/-0.210 χ^2/NDF: 19910.3/52

All: -33.147+/-0.144 χ^2/NDF: 42692.8/108

\- sign -35.075+/-0.198 χ^2/NDF: 22582.1/55

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs Slug



Right In: -6.366+/-0.440 χ^2/NDF: 984.1/27

Left Out: 0.345+/-0.231 χ^2/NDF:921.9/24

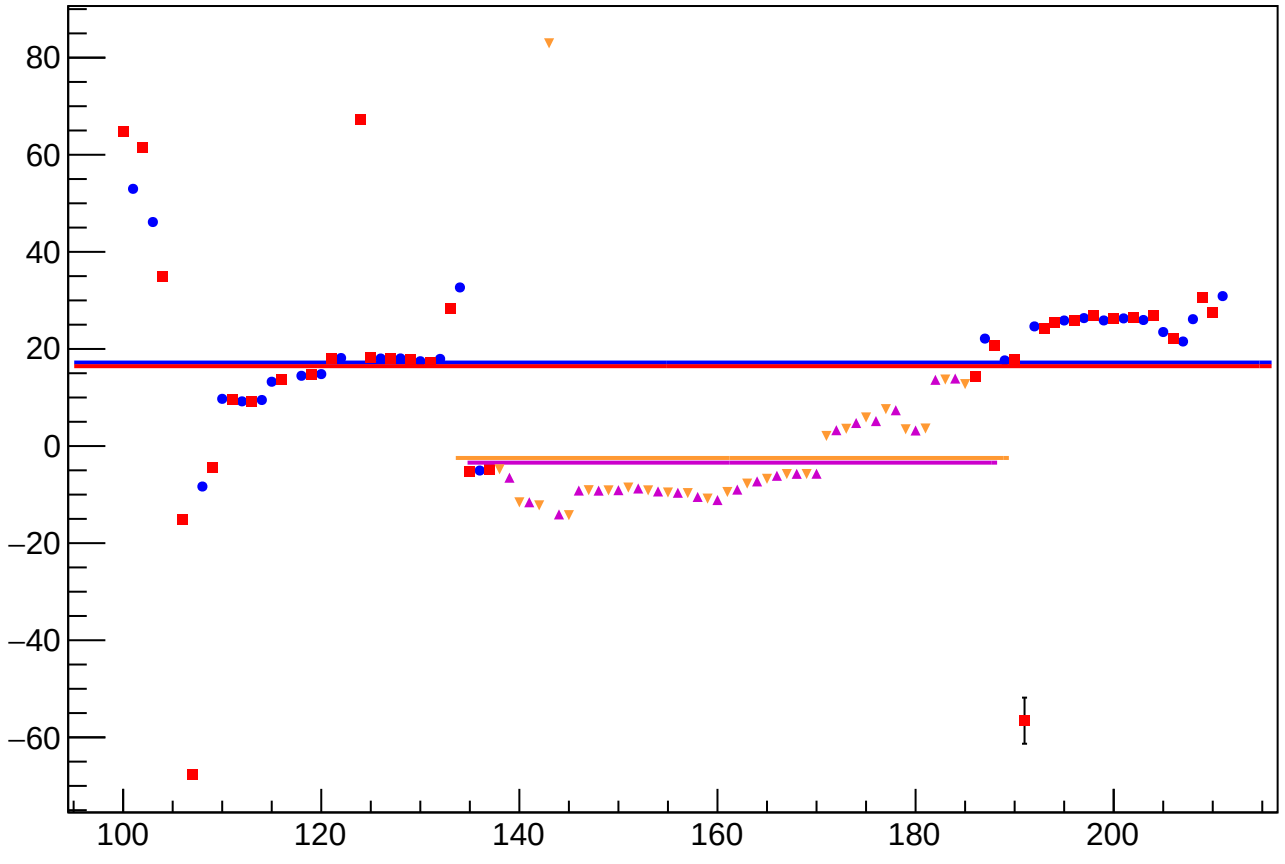
Right Out: -6.207+/-0.424 χ^2/NDF: 1041.6/32

Left In: 0.433+/-0.237 χ^2/NDF:782.1/22

\+ sign -1.106+/-0.205 χ^2/NDF: 2088.0/52

All: -1.125+/-0.145 χ^2/NDF: 4098.7/108

\- sign -1.144+/-0.207 χ^2/NDF: 2010.7/55



Right In: 17.202+/-0.022 χ^2/NDF: 445272.0/27

Left Out: -2.452+/-0.010 χ^2/NDF:961833.3/24

Right Out: 16.449+/-0.022 χ^2/NDF: 571602.1/32

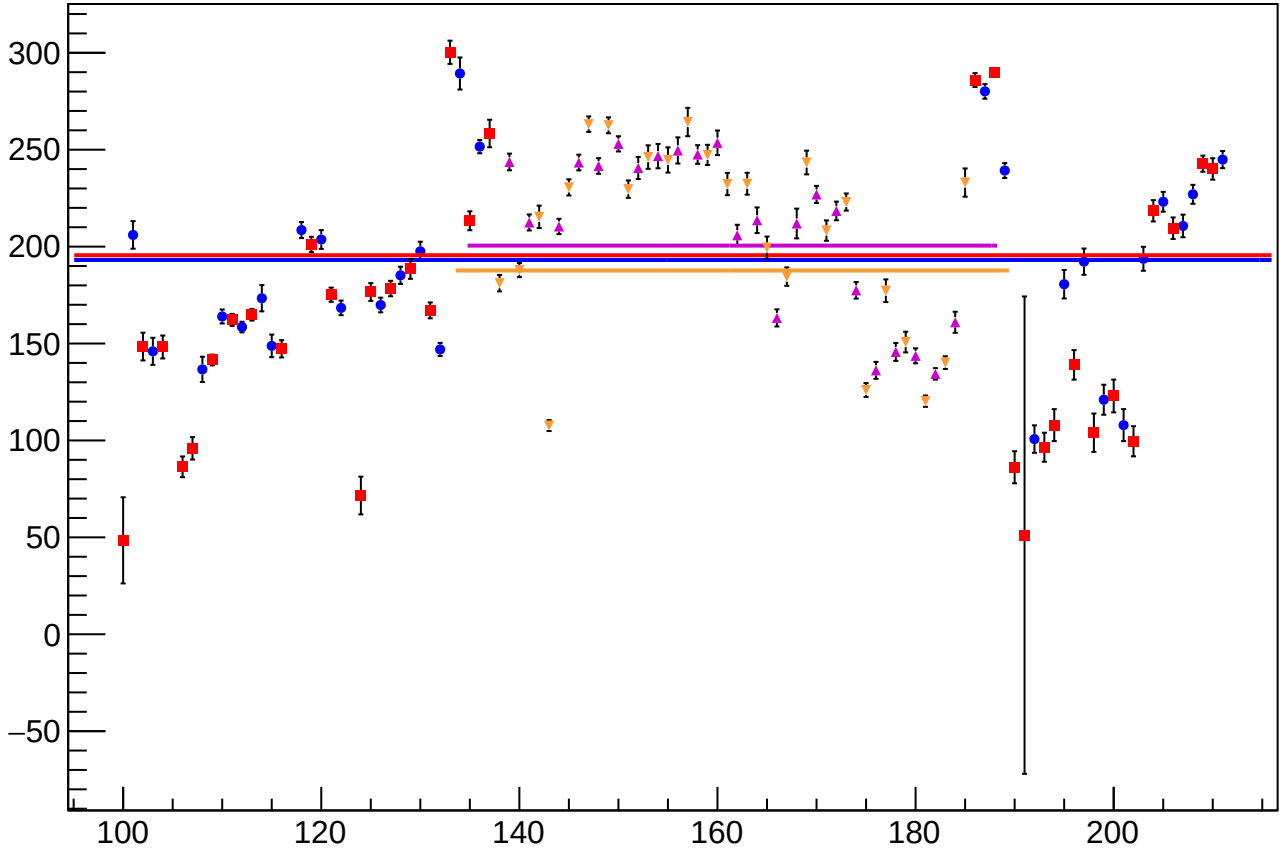
Left In: -3.418+/-0.010 χ^2/NDF:546802.2/22

+ sign 1.038+/-0.009 χ^2/NDF: 2047076.6/52

All: 0.641+/-0.007 χ^2/NDF: 3835788.6/108

- sign 0.240+/-0.009 χ^2/NDF: 1785114.7/55

reg_asym_at1_avg_at2_avg_dd_diff_bpm1X_slope vs Slug



Right In: 193.109+/-0.891 χ^2/NDF: 2401.7/27

Left Out: 187.681+/-0.898 χ^2/NDF:3528.3/24

Right Out: 195.547+/-0.802 χ^2/NDF: 6210.6/32

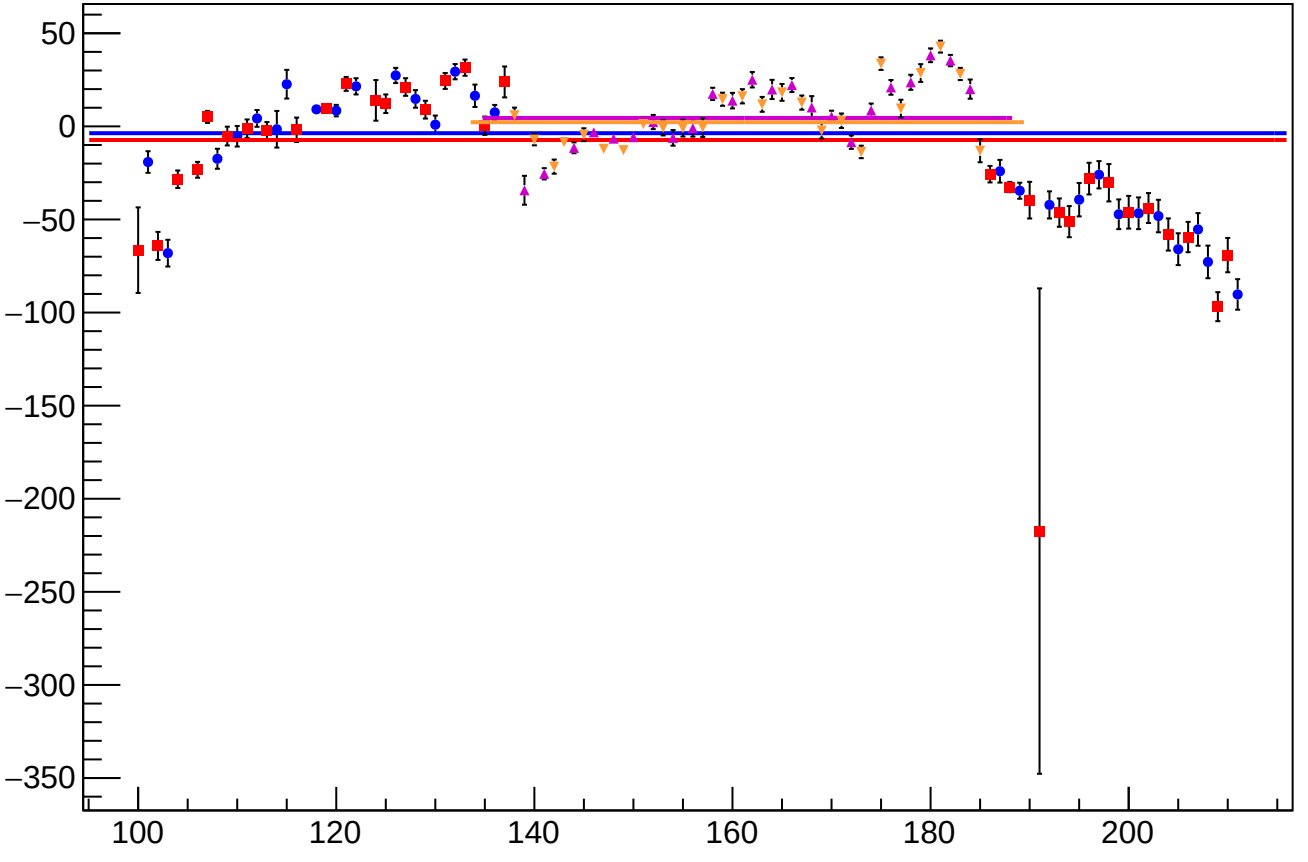
Left In: 200.521+/-0.955 χ^2/NDF:2111.4/22

+ sign 190.415+/-0.632 χ^2/NDF: 5948.4/52

All: 194.114+/-0.441 χ^2/NDF: 14352.9/108

- sign 197.604+/-0.614 χ^2/NDF: 8337.9/55

reg_asym_at1_avg_at2_avg_dd_diff_bpm4aY_slope vs Slug



Right In: -3.668+/-0.983 χ^2/NDF: 800.2/27

Left Out: 2.245+/-0.665 χ^2/NDF:600.9/24

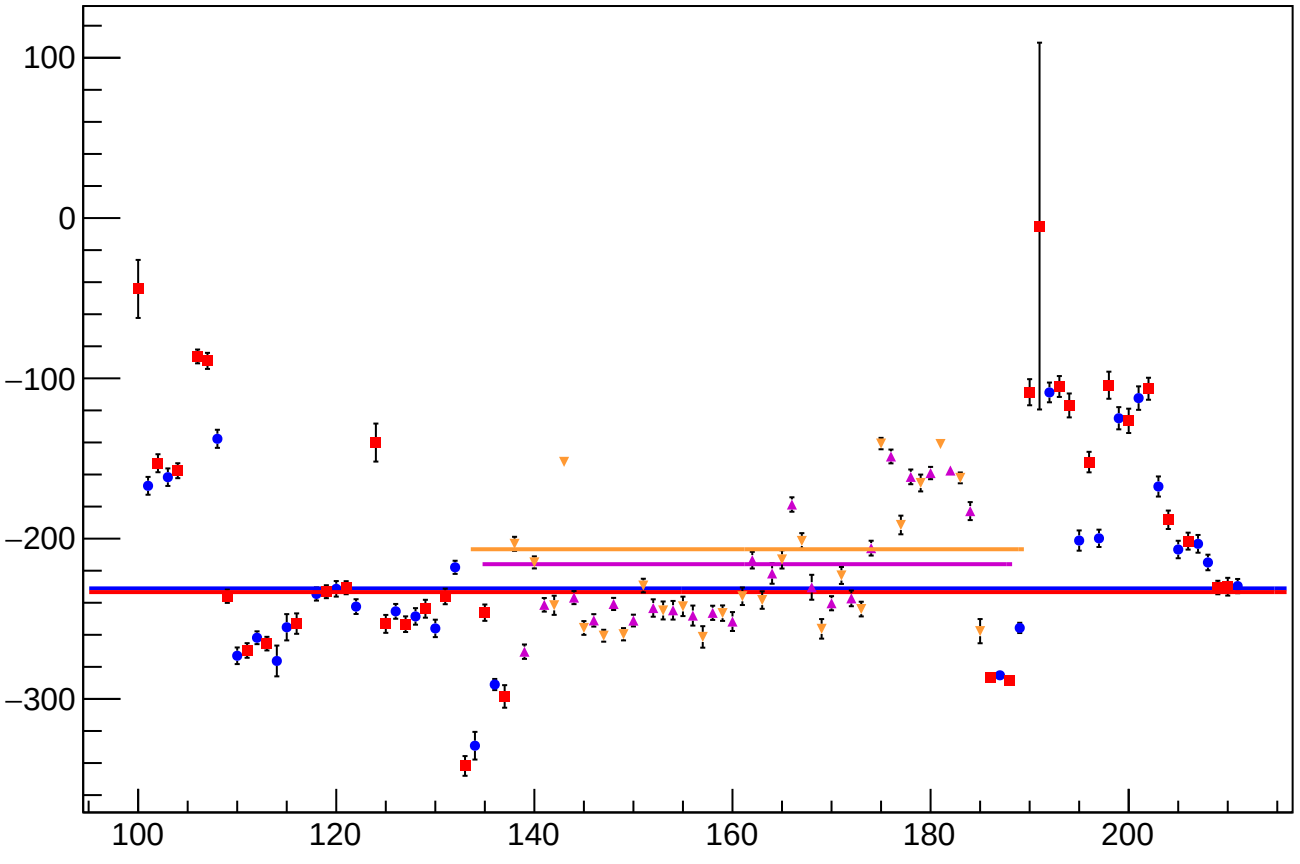
Right Out: -7.331+/-0.906 χ^2/NDF: 914.9/32

Left In: 4.513+/-0.714 χ^2/NDF:547.1/22

+ sign 0.391+/-0.551 χ^2/NDF: 1425.9/52

All: 0.185+/-0.393 χ^2/NDF: 2993.6/108

- sign -0.029+/-0.561 χ^2/NDF: 1567.5/55



Right In: -231.045+/-0.929 χ^2/NDF: 2683.2/27

Left Out: -206.617+/-0.895 χ^2/NDF:2467.8/24

Right Out: -233.354+/-0.808 χ^2/NDF: 6660.2/32

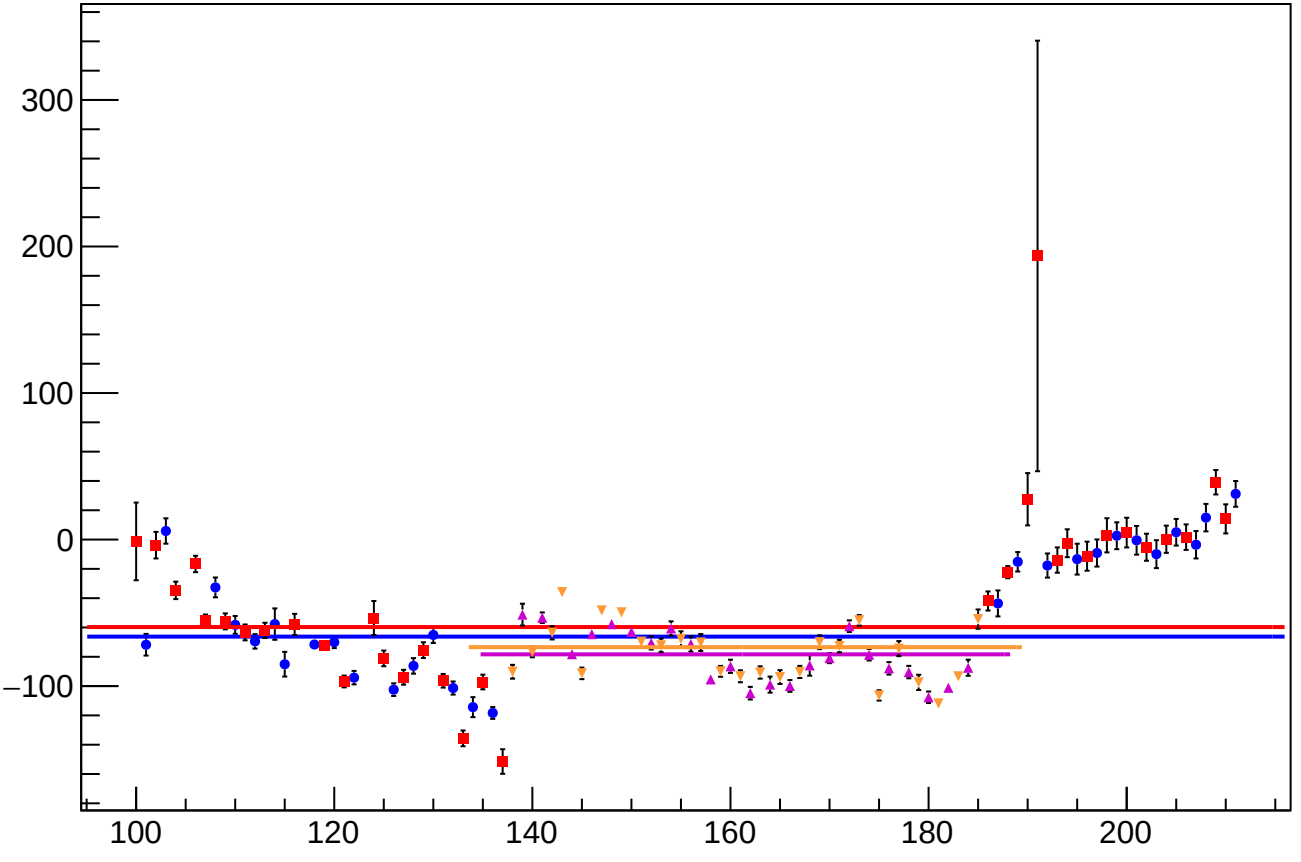
Left In: -215.938+/-0.946 χ^2/NDF:1711.9/22

+ sign -218.369+/-0.645 χ^2/NDF: 5509.6/52

All: -222.367+/-0.445 χ^2/NDF: 14151.0/108

- sign -226.004+/-0.615 χ^2/NDF: 8568.0/55

reg_asym_at1_avg_at2_avg_dd_diff_bpm4eY_slope vs Slug



Right In: -66.238+/-1.150 χ^2/NDF: 1110.7/27

Left Out: -73.426+/-0.767 χ^2/NDF:836.6/24

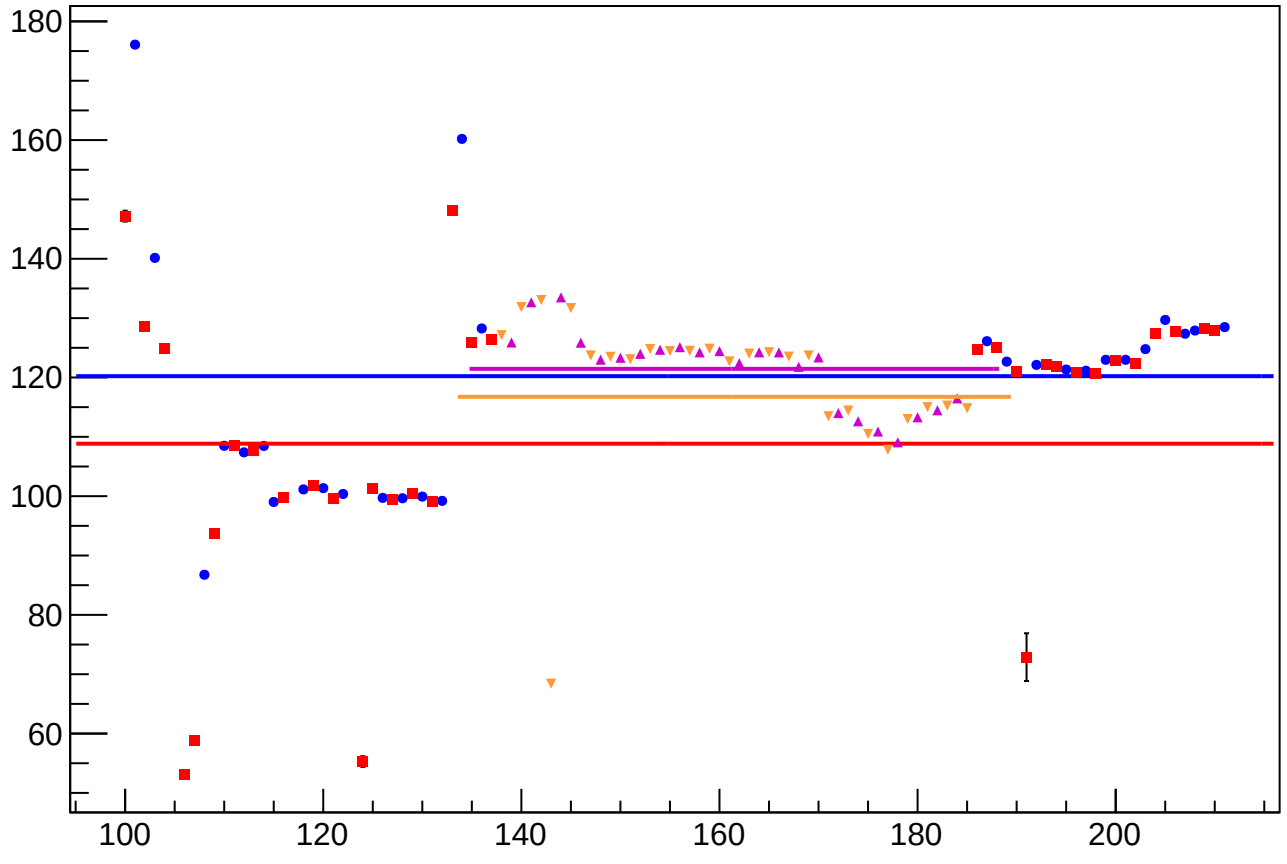
Right Out: -59.707+/-1.079 χ^2/NDF: 1323.1/32

Left In: -78.329+/-0.817 χ^2/NDF:443.2/22

+ sign -71.214+/-0.638 χ^2/NDF: 1974.3/52

All: -71.375+/-0.456 χ^2/NDF: 3929.9/108

- sign -71.542+/-0.652 χ^2/NDF: 1955.5/55



Right In: 120.221+/-0.061 χ^2/NDF: 98804.2/27

Left Out: 116.740+/-0.036 χ^2/NDF:203650.9/24

Right Out: 108.843+/-0.055 χ^2/NDF: 212221.7/32

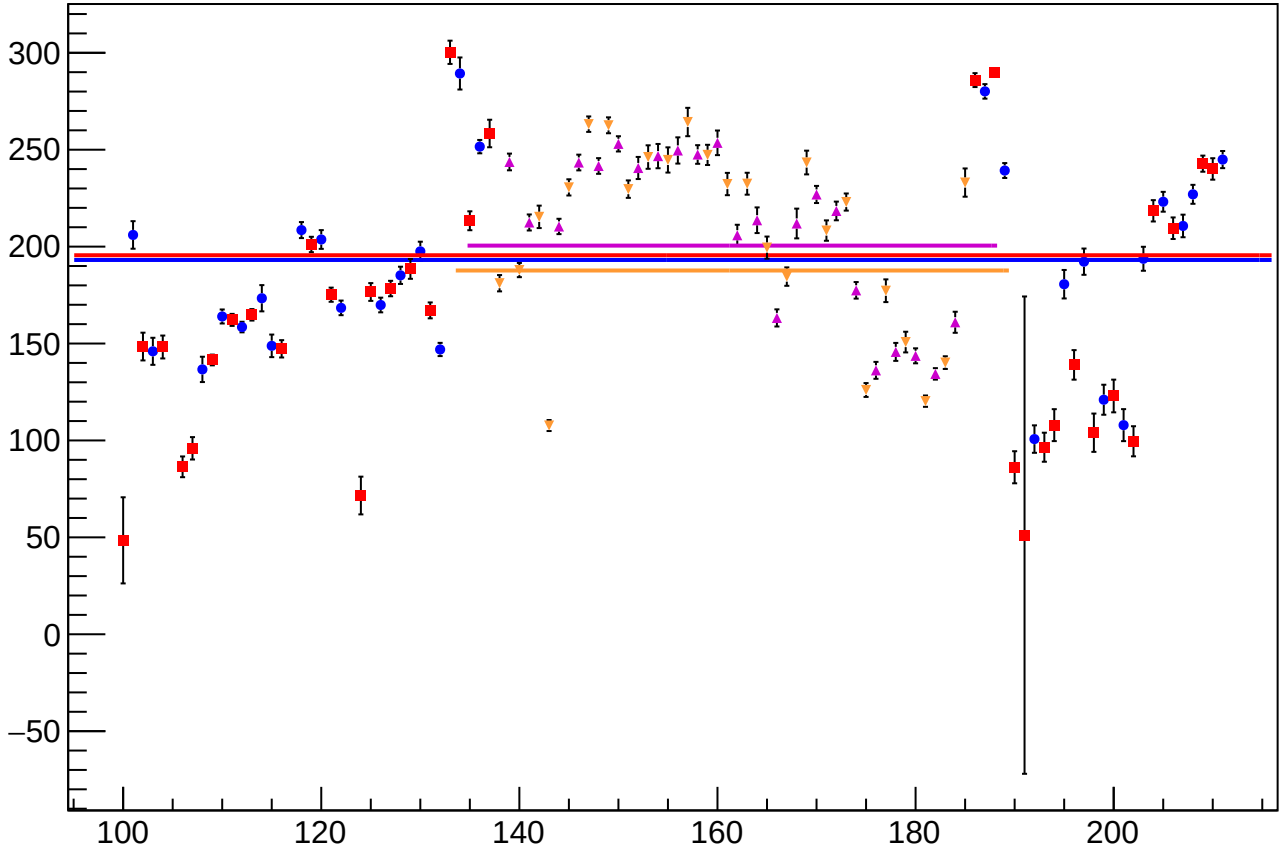
Left In: 121.455+/-0.037 χ^2/NDF:28796.4/22

\+ sign 117.643+/-0.031 χ^2/NDF: 304904.5/52

All: 117.575+/-0.022 χ^2/NDF: 581791.7/108

\- sign 117.506+/-0.031 χ^2/NDF: 276877.3/55

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm1X_slope vs Slug



Right In: 193.109+/-0.891 χ^2/NDF: 2401.7/27

Left Out: 187.681+/-0.898 χ^2/NDF:3528.3/24

Right Out: 195.547+/-0.802 χ^2/NDF: 6210.6/32

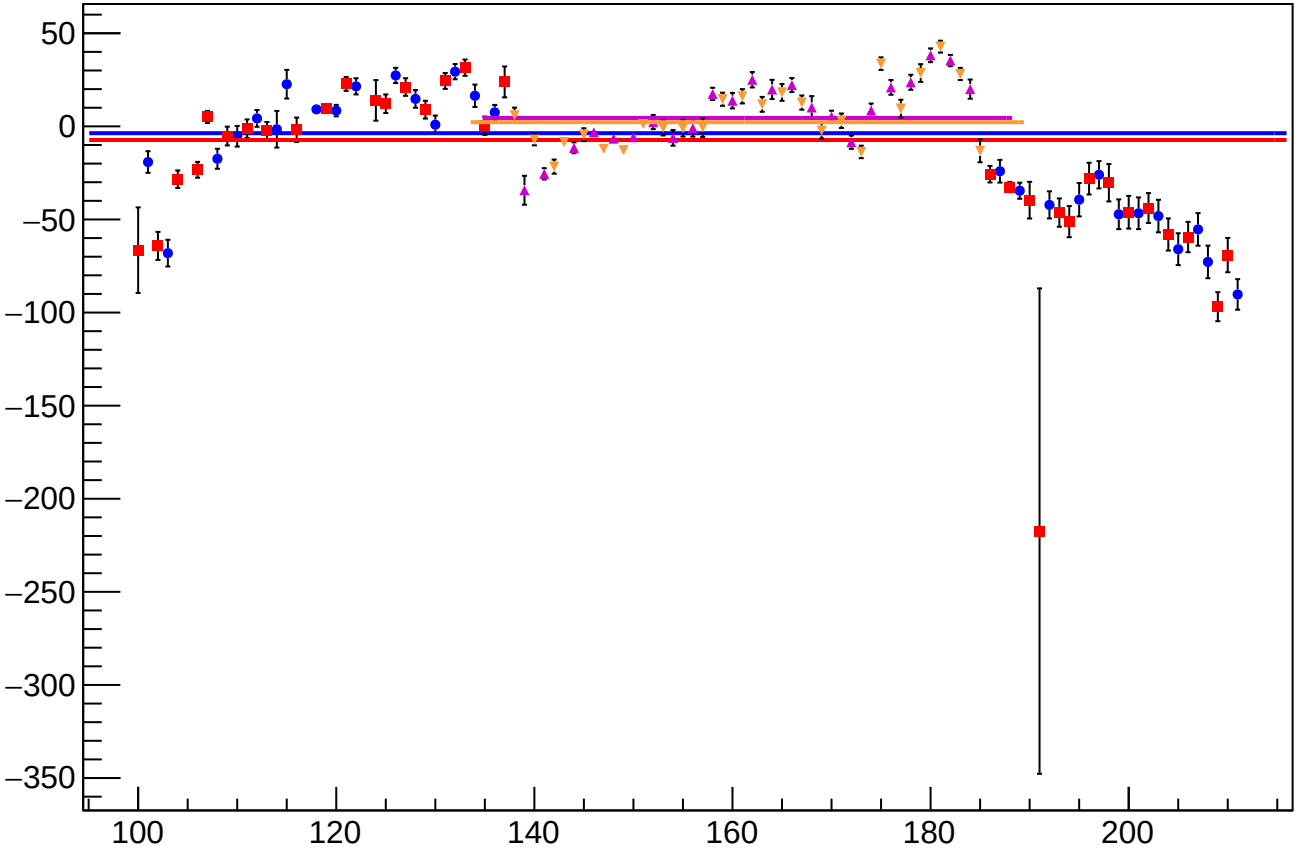
Left In: 200.521+/-0.955 χ^2/NDF:2111.4/22

\+ sign 190.415+/-0.632 χ^2/NDF: 5948.4/52

All: 194.114+/-0.441 χ^2/NDF: 14352.9/108

\- sign 197.604+/-0.614 χ^2/NDF: 8337.9/55

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4aY_slope vs Slug



Right In: -3.668+/-0.983 χ^2/NDF: 800.2/27

Left Out: 2.245+/-0.665 χ^2/NDF:600.9/24

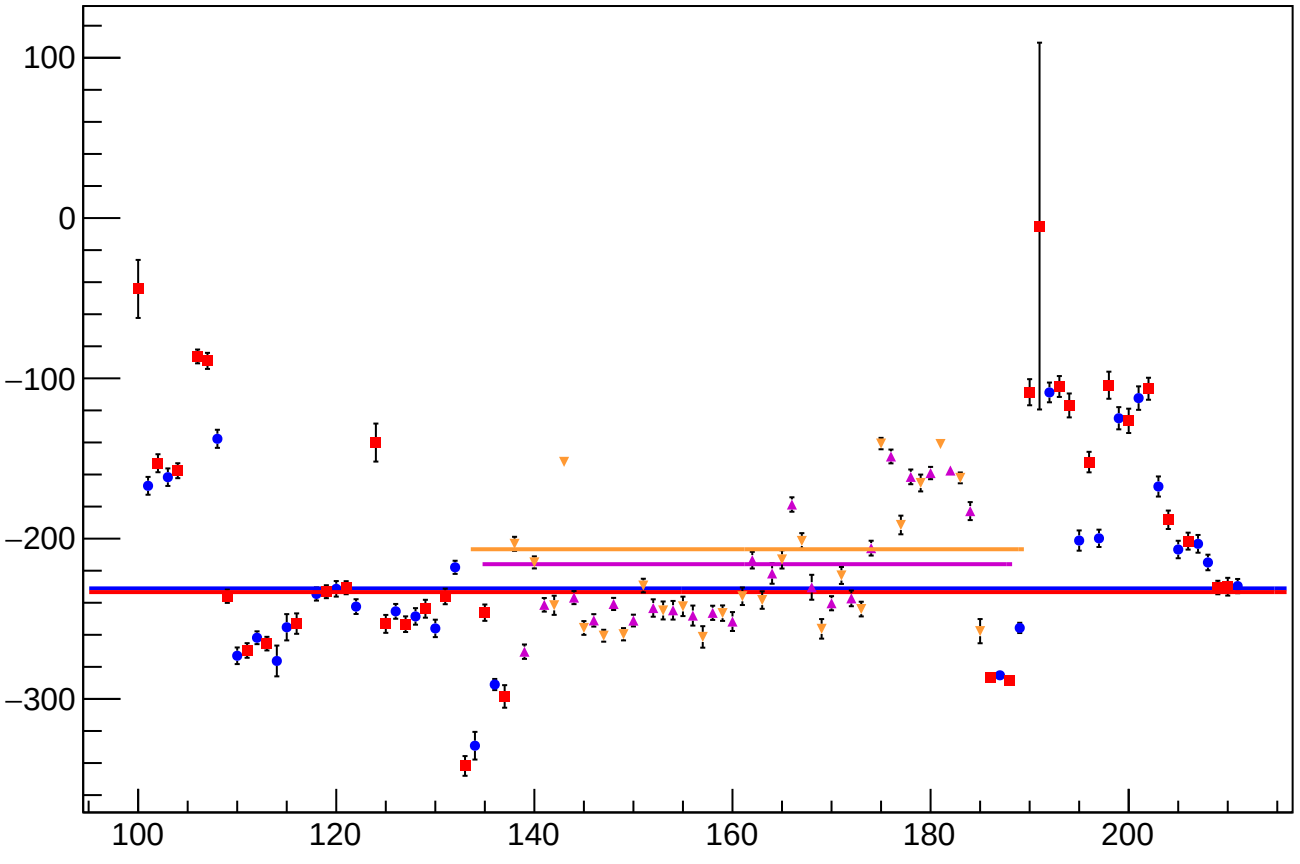
Right Out: -7.331+/-0.906 χ^2/NDF: 914.9/32

Left In: 4.513+/-0.714 χ^2/NDF:547.1/22

+ sign 0.391+/-0.551 χ^2/NDF: 1425.9/52

All: 0.185+/-0.393 χ^2/NDF: 2993.6/108

- sign -0.029+/-0.561 χ^2/NDF: 1567.5/55



Right In: -231.045+/-0.929 χ^2/NDF: 2683.2/27

Left Out: -206.617+/-0.895 χ^2/NDF:2467.8/24

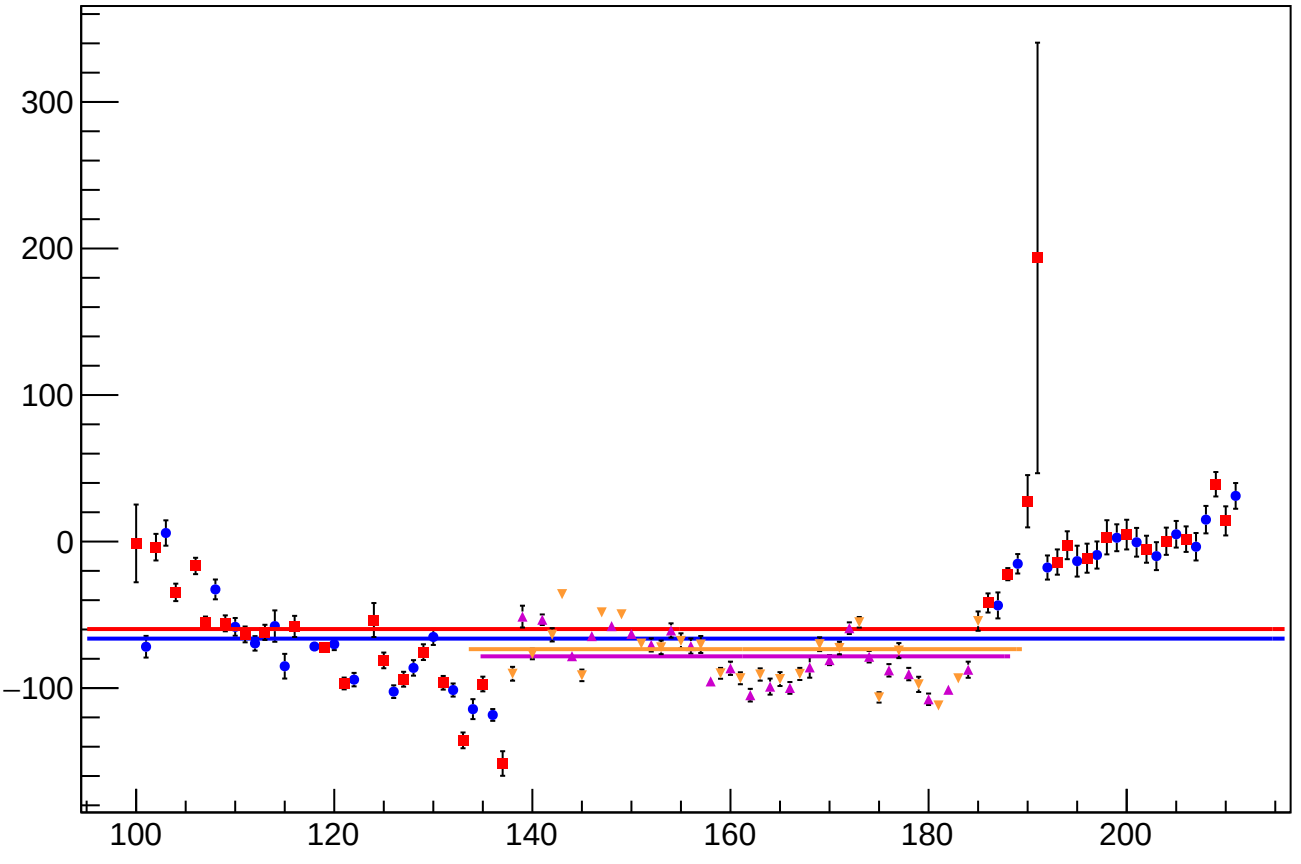
Right Out: -233.354+/-0.808 χ^2/NDF: 6660.2/32

Left In: -215.938+/-0.946 χ^2/NDF:1711.9/22

+ sign -218.369+/-0.645 χ^2/NDF: 5509.6/52

All: -222.367+/-0.445 χ^2/NDF: 14151.0/108

- sign -226.004+/-0.615 χ^2/NDF: 8568.0/55



Right In: -66.238+/-1.150 χ^2/NDF: 1110.7/27

Left Out: -73.426+/-0.767 χ^2/NDF:836.6/24

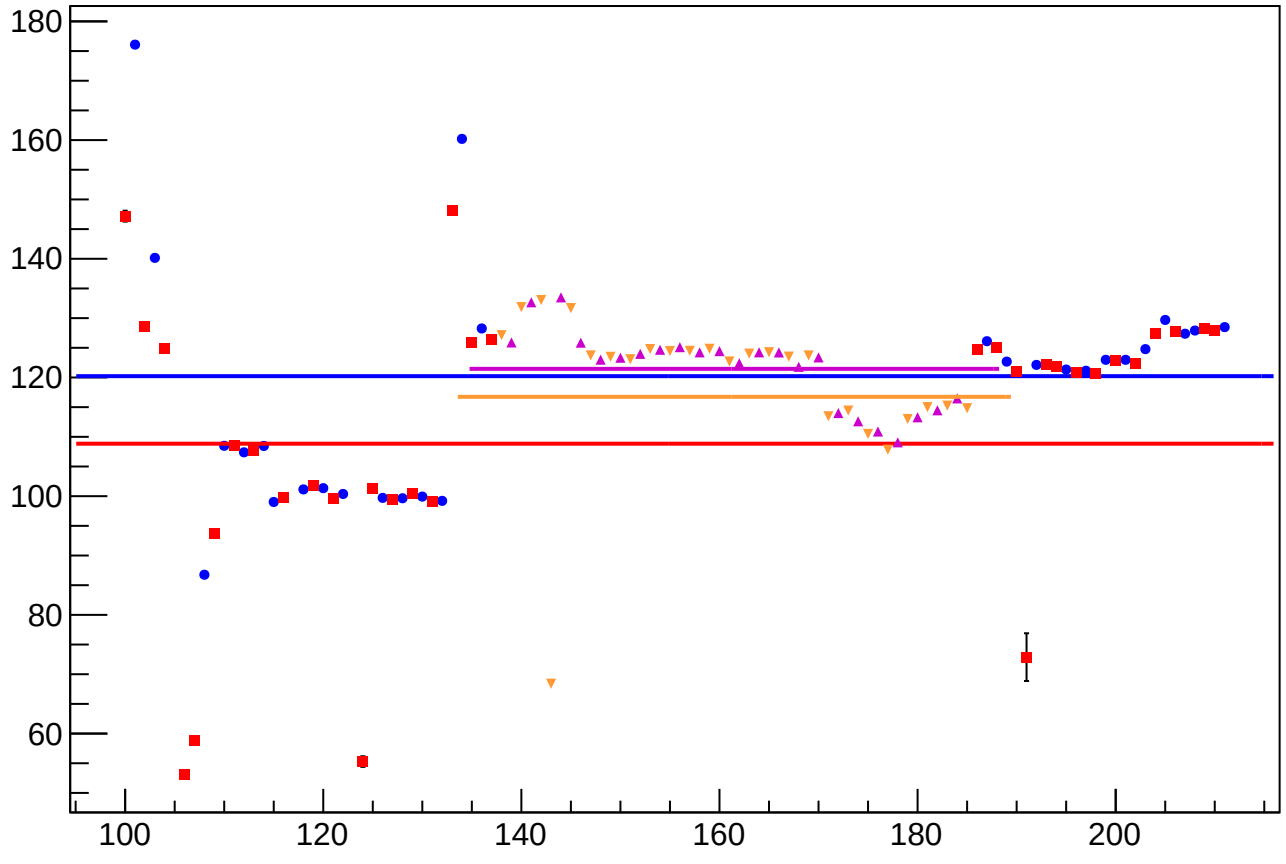
Right Out: -59.707+/-1.079 χ^2/NDF: 1323.1/32

Left In: -78.329+/-0.817 χ^2/NDF:443.2/22

+ sign -71.214+/-0.638 χ^2/NDF: 1974.3/52

All: -71.375+/-0.456 χ^2/NDF: 3929.9/108

- sign -71.542+/-0.652 χ^2/NDF: 1955.5/55



Right In: 120.221+/-0.061 χ^2/NDF: 98804.2/27

Left Out: 116.740+/-0.036 χ^2/NDF:203650.9/24

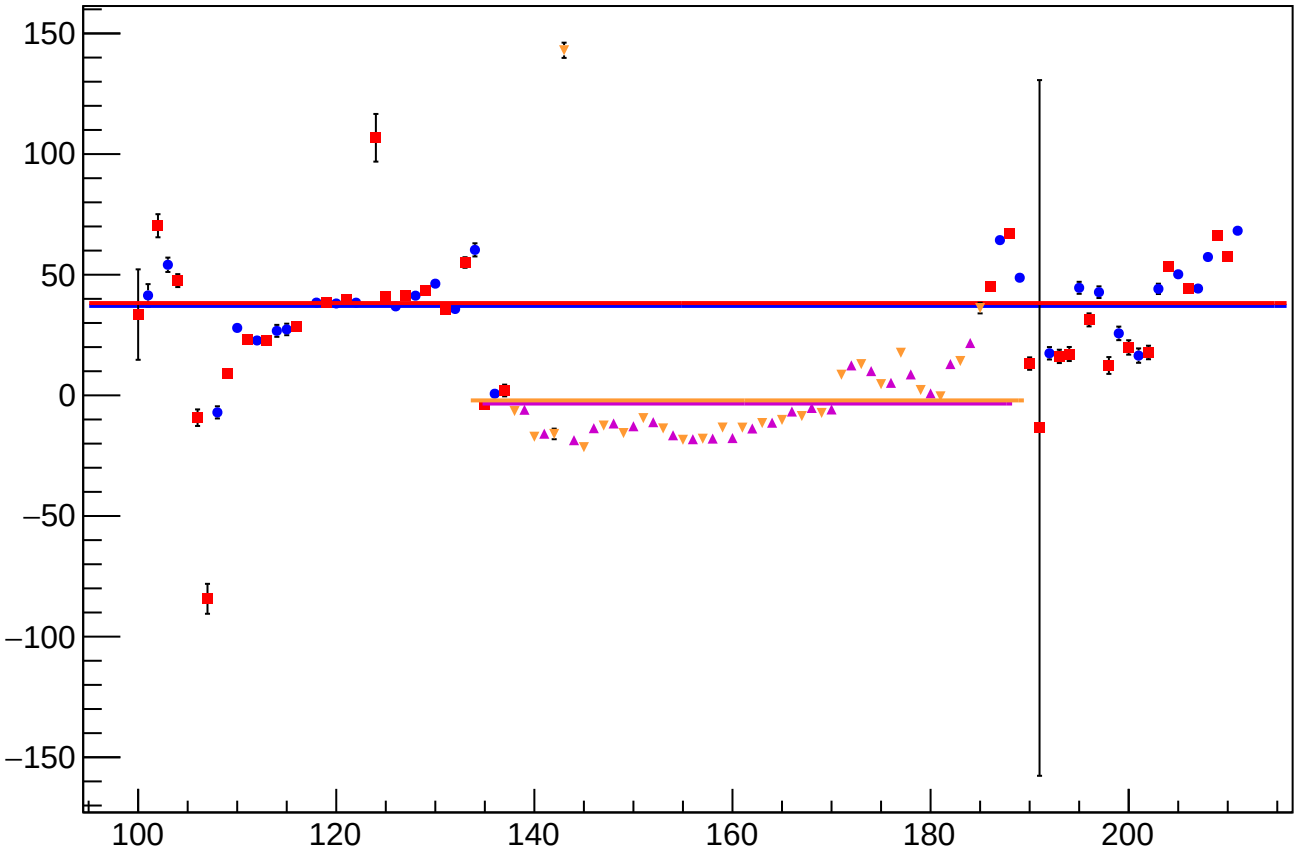
Right Out: 108.843+/-0.055 χ^2/NDF: 212221.7/32

Left In: 121.455+/-0.037 χ^2/NDF:28796.4/22

+ sign 117.643+/-0.031 χ^2/NDF: 304904.5/52

All: 117.575+/-0.022 χ^2/NDF: 581791.7/108

- sign 117.506+/-0.031 χ^2/NDF: 276877.3/55



Right In: 37.072+/-0.334 χ^2/NDF: 2894.3/27

Left Out: -2.091+/-0.267 χ^2/NDF:4201.3/24

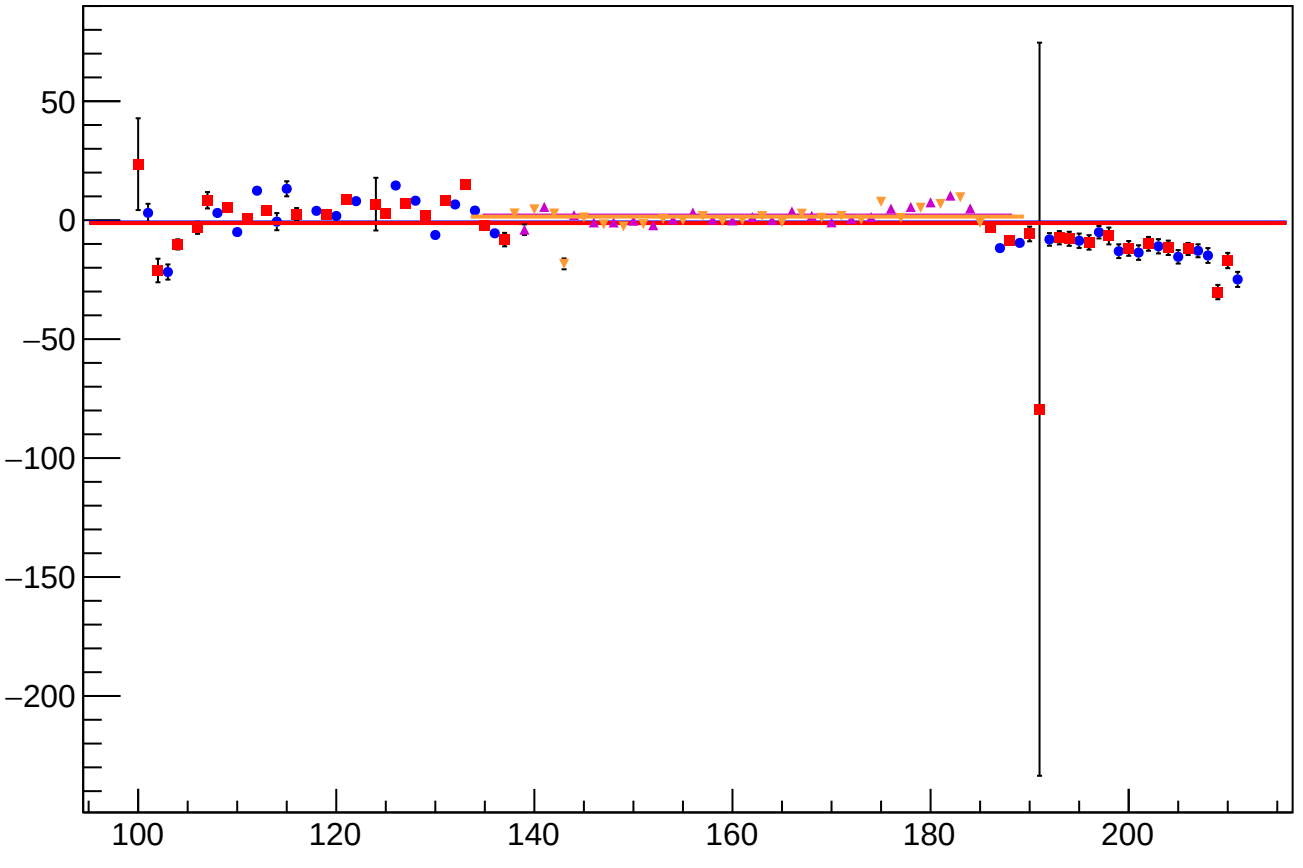
Right Out: 38.251+/-0.298 χ^2/NDF: 5139.9/32

Left In: -3.391+/-0.271 χ^2/NDF:1752.8/22

+ sign 13.141+/-0.209 χ^2/NDF: 15477.9/52

All: 14.344+/-0.145 χ^2/NDF: 33099.8/108

- sign 15.458+/-0.201 χ^2/NDF: 17557.8/55



Right In: -0.956+/-0.379 χ^2/NDF: 568.7/27

Left Out: 1.489+/-0.205 χ^2/NDF:328.6/24

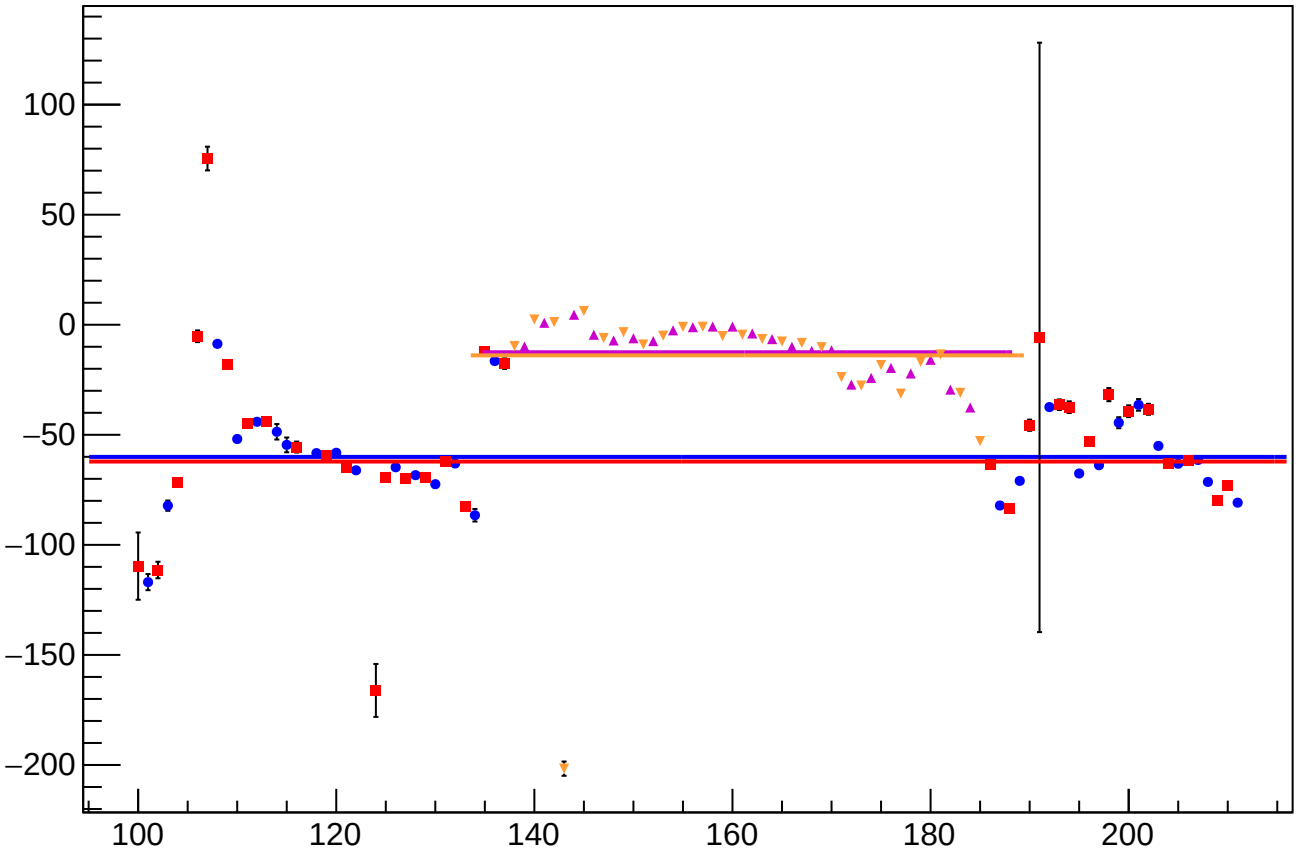
Right Out: -1.219+/-0.353 χ^2/NDF: 528.4/32

Left In: 1.933+/-0.210 χ^2/NDF:240.7/22

\+ sign 0.935+/-0.180 χ^2/NDF: 929.4/52

All: 1.022+/-0.128 χ^2/NDF: 1757.6/108

\- sign 1.108+/-0.181 χ^2/NDF: 827.7/55



Right In: -60.042+/-0.345 χ^2/NDF: 3538.8/27

Left Out: -13.908+/-0.265 χ^2/NDF:5128.3/24

Right Out: -62.142+/-0.294 χ^2/NDF: 5624.1/32

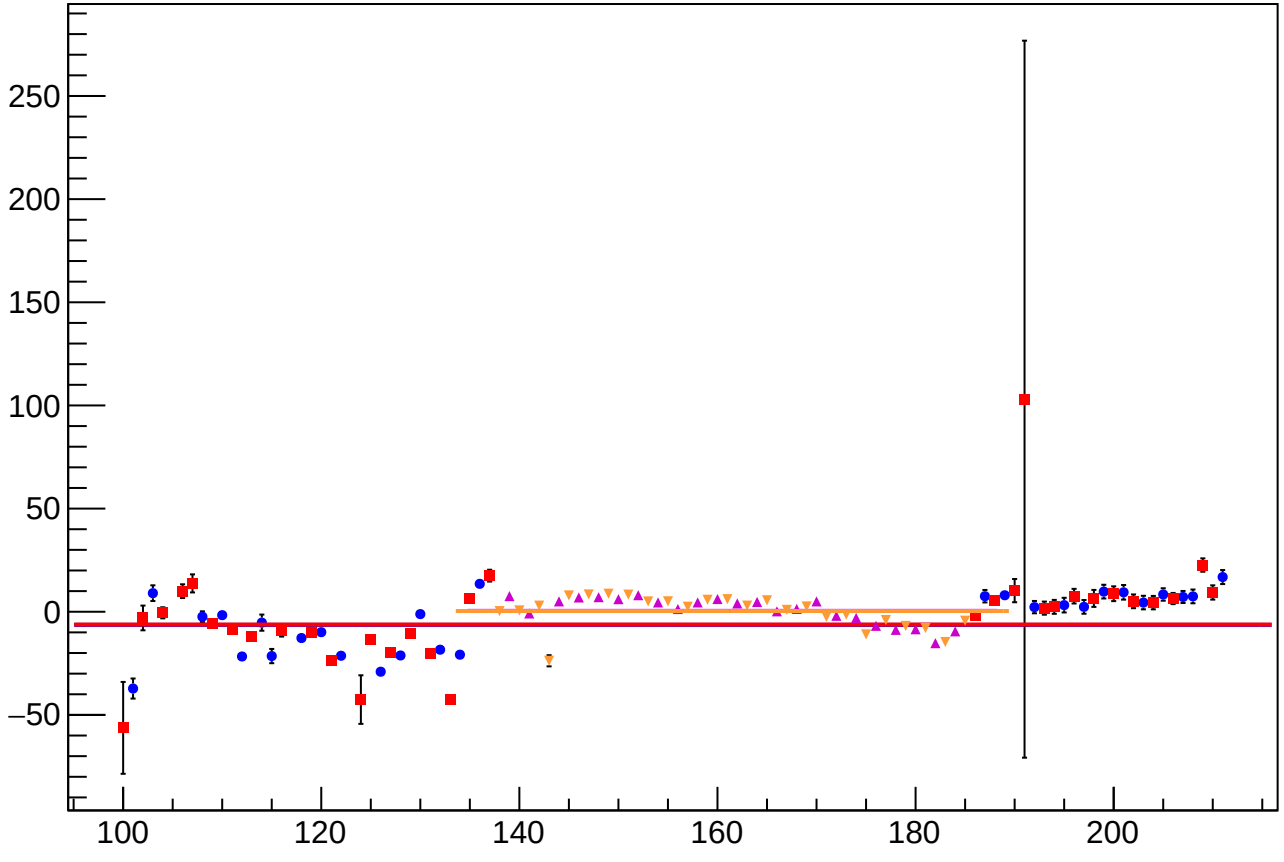
Left In: -12.494+/-0.269 χ^2/NDF:1430.3/22

\+ sign -30.985+/-0.210 χ^2/NDF: 19910.3/52

All: -33.147+/-0.144 χ^2/NDF: 42692.8/108

\- sign -35.075+/-0.198 χ^2/NDF: 22582.1/55

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm4eY_slope vs Slug



Right In: -6.366+/-0.440 χ^2/NDF: 984.1/27

Left Out: 0.345+/-0.231 χ^2/NDF:921.9/24

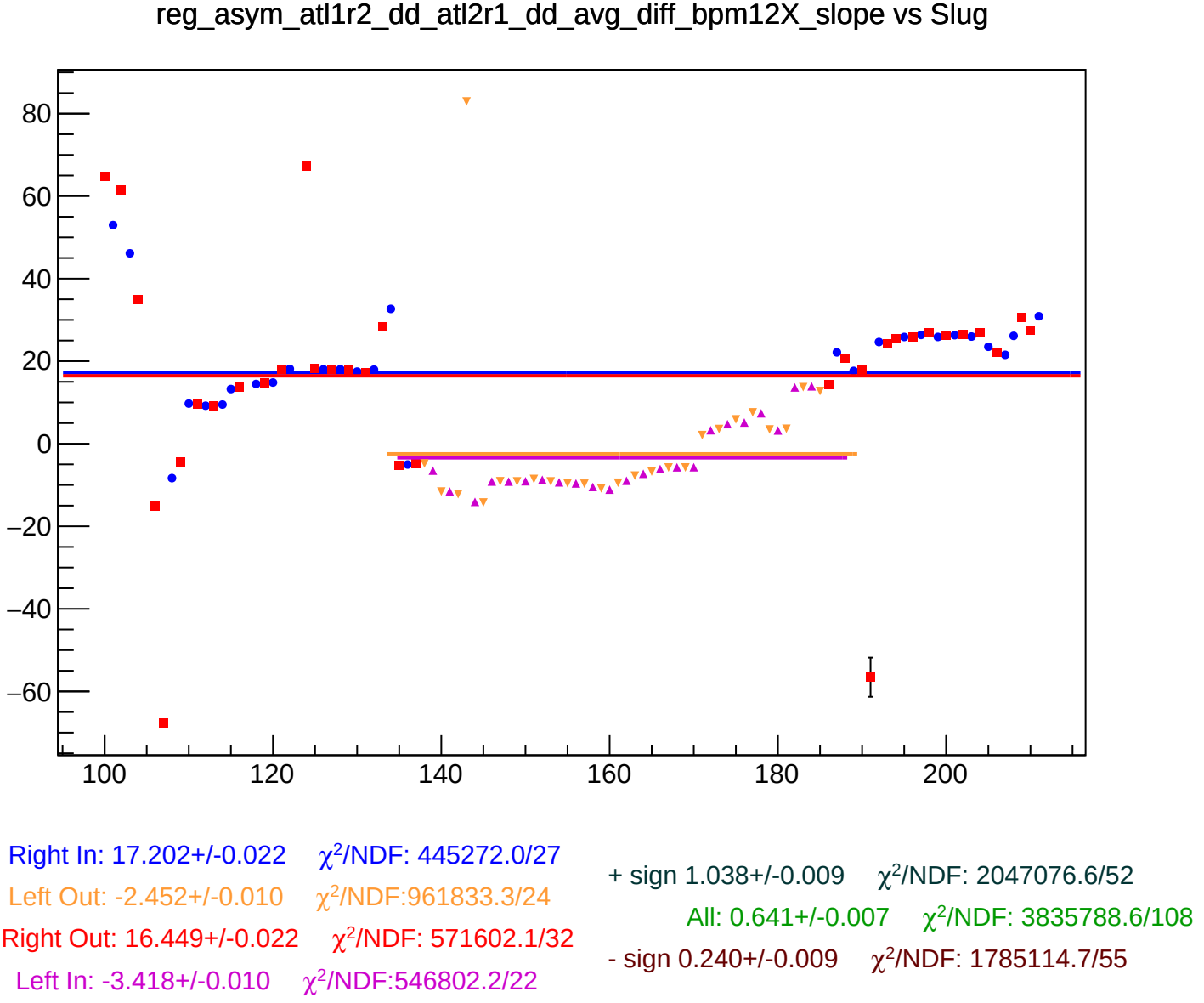
Right Out: -6.207+/-0.424 χ^2/NDF: 1041.6/32

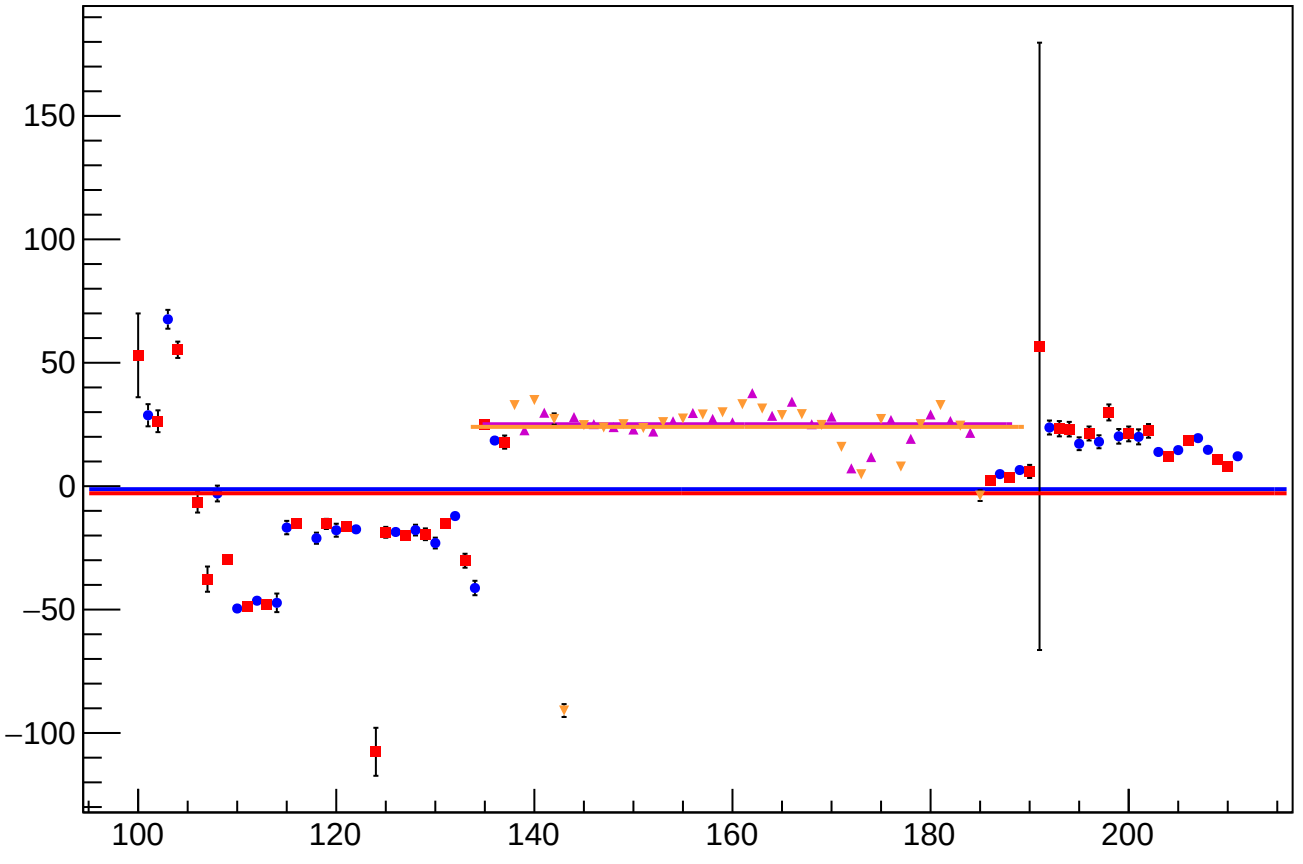
Left In: 0.433+/-0.237 χ^2/NDF:782.1/22

+ sign -1.106+/-0.205 χ^2/NDF: 2088.0/52

All: -1.125+/-0.145 χ^2/NDF: 4098.7/108

- sign -1.144+/-0.207 χ^2/NDF: 2010.7/55


reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm12X_slope vs Slug
80
60
40
20
0
−20
−40
−60
100
120
140
160
180
200
Right In: 17.202+/-0.022 χ²/NDF: 445272.0/27
Left Out: -2.452+/-0.010 χ²/NDF:961833.3/24
Right Out: 16.449+/-0.022 χ²/NDF: 571602.1/32
Left In: -3.418+/-0.010 χ²/NDF:546802.2/22
+ sign 1.038+/-0.009 χ²/NDF: 2047076.6/52
All: 0.641+/-0.007 χ²/NDF: 3835788.6/108
- sign 0.240+/-0.009 χ²/NDF: 1785114.7/55



Right In: -1.216+/-0.389 χ^2/NDF: 3652.3/27

Left Out: 24.025+/-0.282 χ^2/NDF:2802.2/24

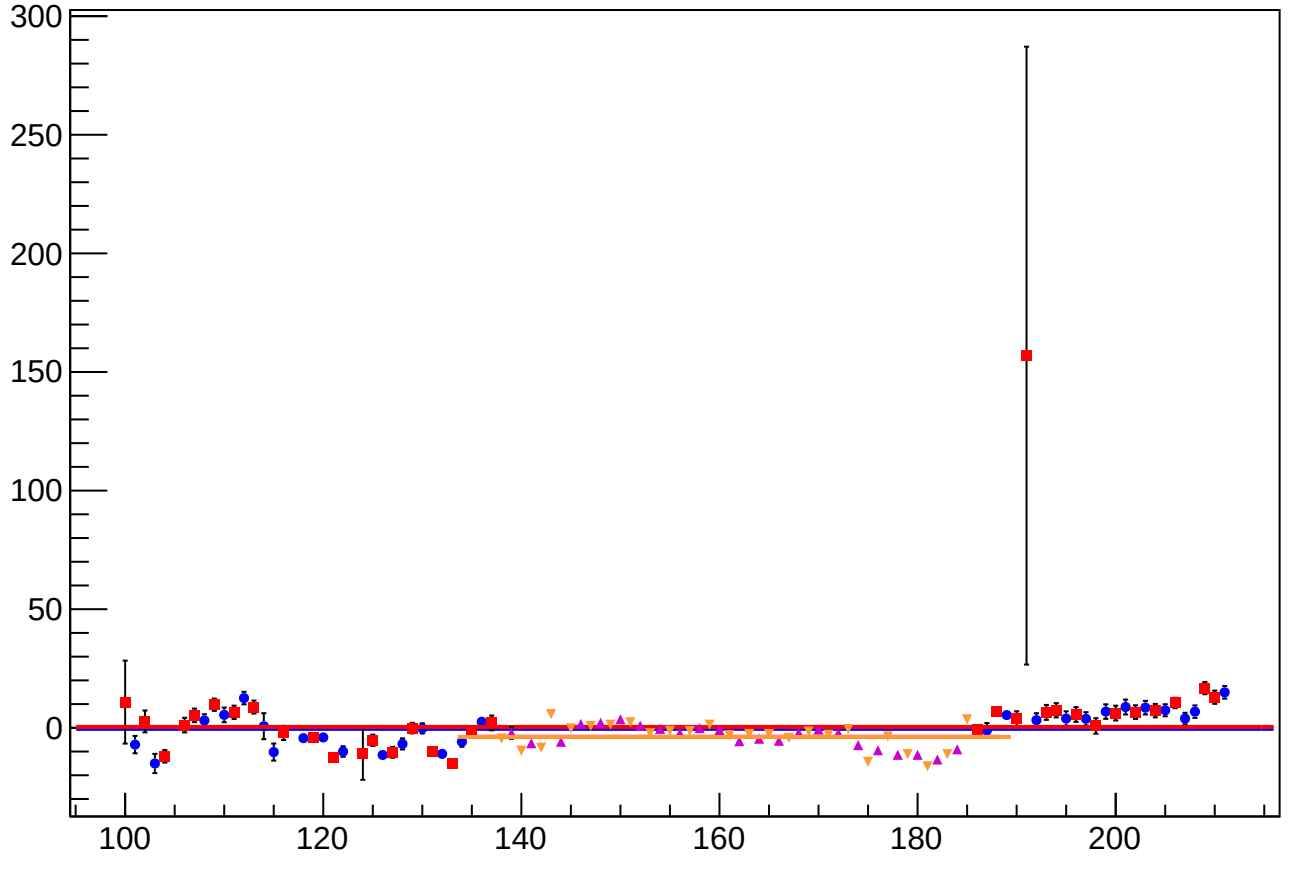
Right Out: -2.885+/-0.364 χ^2/NDF: 3872.1/32

Left In: 25.089+/-0.287 χ^2/NDF:495.3/22

+ sign 15.327+/-0.228 χ^2/NDF: 9214.8/52

All: 14.830+/-0.160 χ^2/NDF: 17235.3/108

- sign 14.345+/-0.225 χ^2/NDF: 8011.0/55



Right In: -0.441+/-0.452 χ^2/NDF: 249.4/27

Left Out: -3.845+/-0.218 χ^2/NDF:649.4/24

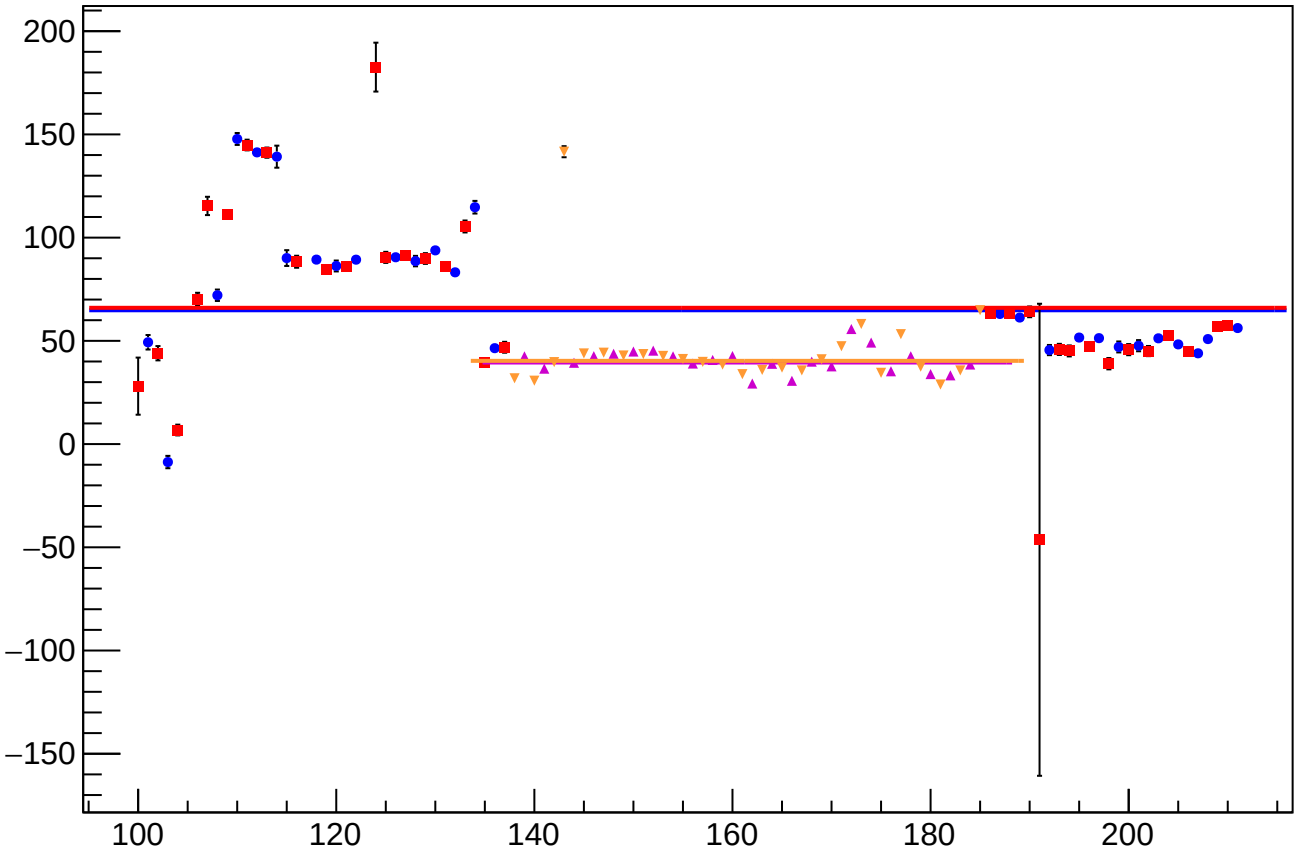
Right Out: 0.379+/-0.432 χ^2/NDF: 346.6/32

Left In: -3.780+/-0.224 χ^2/NDF:509.8/22

+ sign -3.203+/-0.196 χ^2/NDF: 944.9/52

All: -3.054+/-0.140 χ^2/NDF: 1875.5/108

- sign -2.902+/-0.199 χ^2/NDF: 929.4/55



Right In: 64.814+/-0.397 χ^2/NDF: 4642.3/27

Left Out: 40.315+/-0.280 χ^2/NDF:2182.8/24

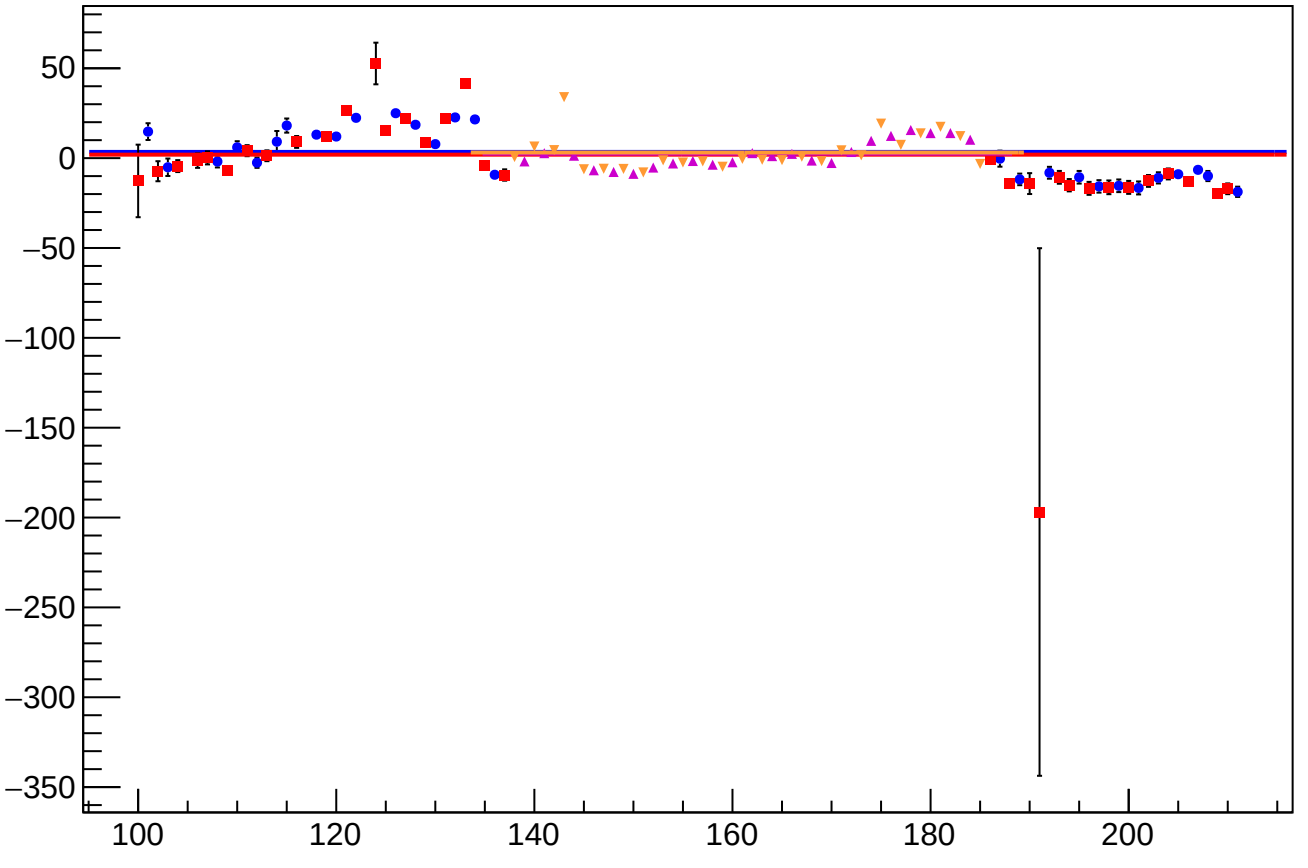
Right Out: 66.007+/-0.361 χ^2/NDF: 4826.8/32

Left In: 39.504+/-0.285 χ^2/NDF:432.1/22

+ sign 48.453+/-0.229 χ^2/NDF: 9365.2/52

All: 49.076+/-0.160 χ^2/NDF: 17962.5/108

- sign 49.671+/-0.224 χ^2/NDF: 8582.8/55



Right In: 3.458+/-0.517 χ^2/NDF: 763.5/27

Left Out: 3.142+/-0.245 χ^2/NDF:1267.0/24

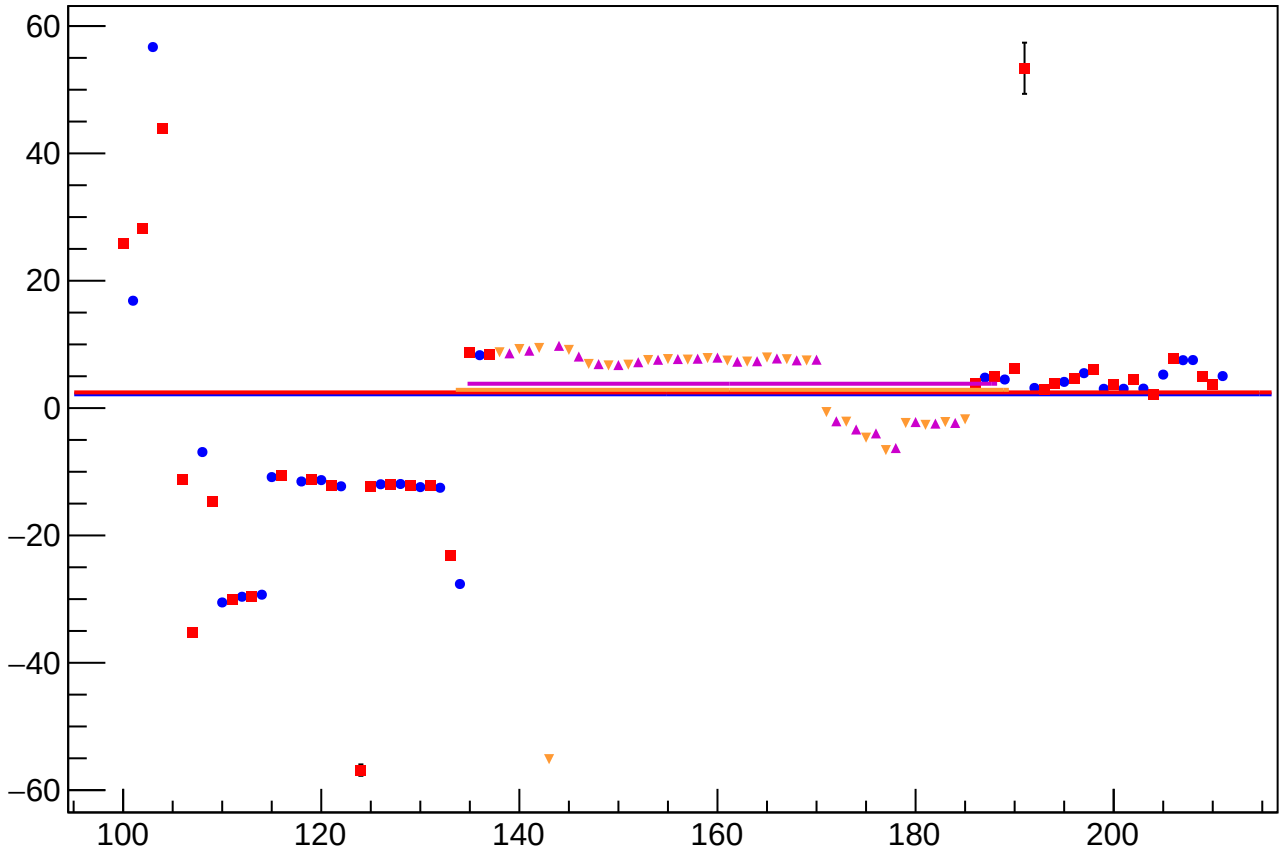
Right Out: 1.931+/-0.508 χ^2/NDF: 1001.3/32

Left In: 2.519+/-0.251 χ^2/NDF:968.2/22

+ sign 3.200+/-0.222 χ^2/NDF: 2030.8/52

All: 2.808+/-0.158 χ^2/NDF: 4007.7/108

- sign 2.403+/-0.225 χ^2/NDF: 1970.5/55



Right In: 2.168+/-0.024 χ^2/NDF: 382828.5/27

Left Out: 2.870+/-0.011 χ^2/NDF:512331.0/24

Right Out: 2.465+/-0.024 χ^2/NDF: 330670.8/32

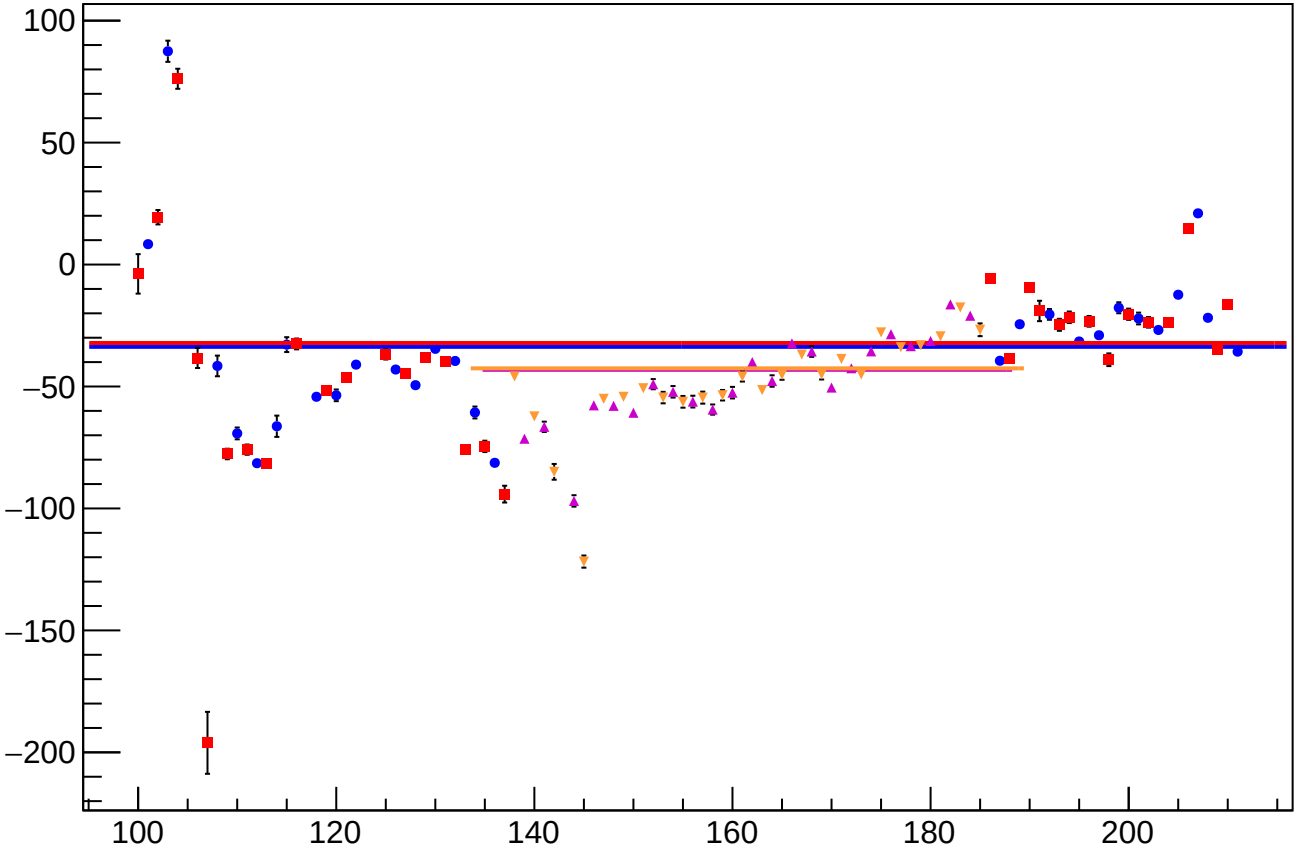
Left In: 3.825+/-0.011 χ^2/NDF:233224.7/22

+ sign 2.752+/-0.010 χ^2/NDF: 895846.2/52

All: 3.168+/-0.007 χ^2/NDF: 1465812.4/108

- sign 3.589+/-0.010 χ^2/NDF: 566504.1/55

reg_asym_usl_atl1_avg_diff_bpm1X_slope vs Slug



Right In: -33.732+/-0.361 χ^2/NDF: 5001.5/27

Left Out: -42.560+/-0.378 χ^2/NDF:2326.4/23

Right Out: -32.159+/-0.326 χ^2/NDF: 6348.8/31

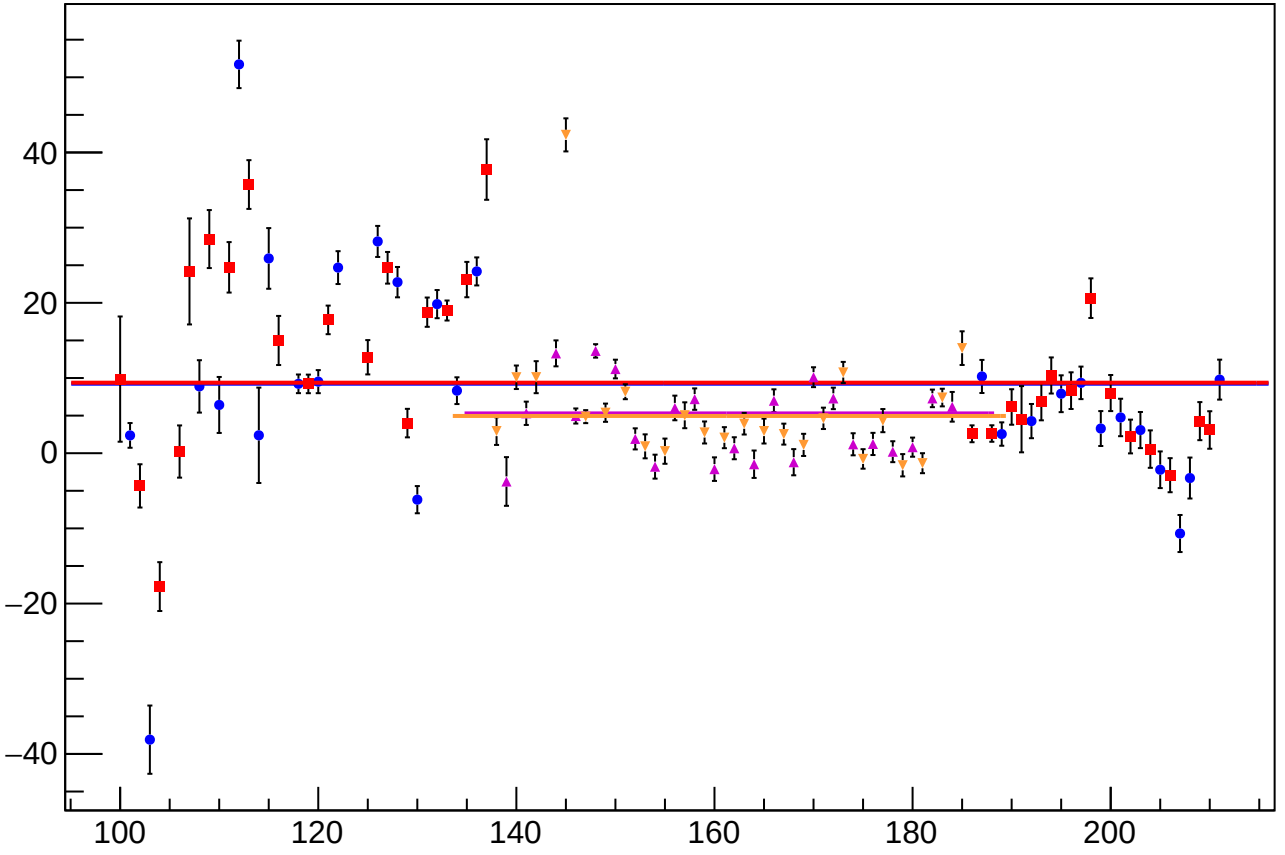
Left In: -43.152+/-0.382 χ^2/NDF:2206.6/22

\+ sign -37.937+/-0.261 χ^2/NDF: 7613.2/51

All: -37.338+/-0.180 χ^2/NDF: 16658.5/106

\- sign -36.797+/-0.248 χ^2/NDF: 9035.3/54

reg_asym_usl_atl1_avg_diff_bpm4aY_slope vs Slug



Right In: 9.243+/-0.407 χ^2/NDF: 823.0/27

Left Out: 4.954+/-0.288 χ^2/NDF:449.1/23

Right Out: 9.379+/-0.380 χ^2/NDF: 619.7/31

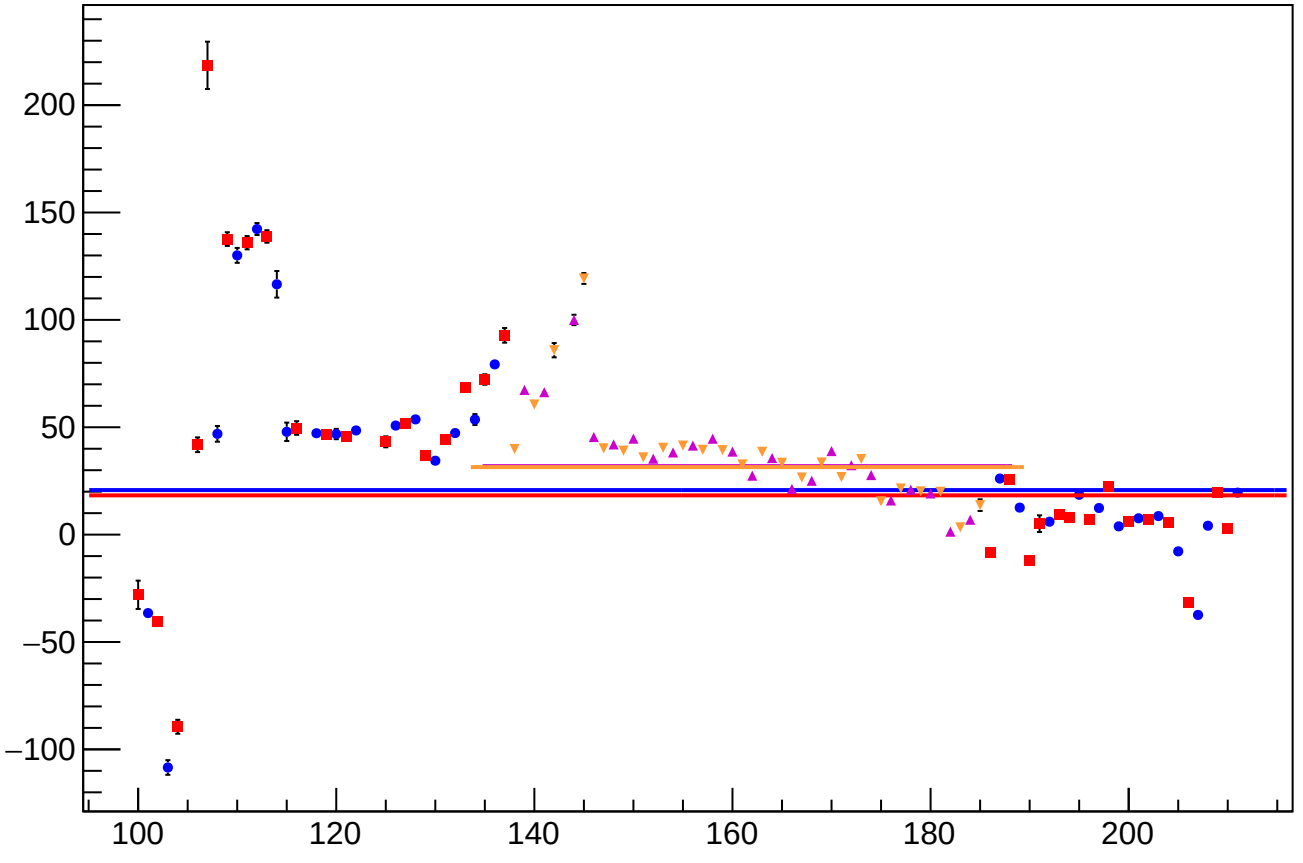
Left In: 5.292+/-0.294 χ^2/NDF:286.4/22

+ sign 6.389+/-0.235 χ^2/NDF: 1346.0/51

All: 6.609+/-0.165 χ^2/NDF: 2326.1/106

- sign 6.824+/-0.233 χ^2/NDF: 978.4/54

reg_asym_usl_atl1_avg_diff_bpm4eX_slope vs Slug



Right In: 20.742+/-0.355 χ^2/NDF: 10703.7/27

Left Out: 31.439+/-0.376 χ^2/NDF:2762.0/23

Right Out: 18.288+/-0.307 χ^2/NDF: 12677.2/31

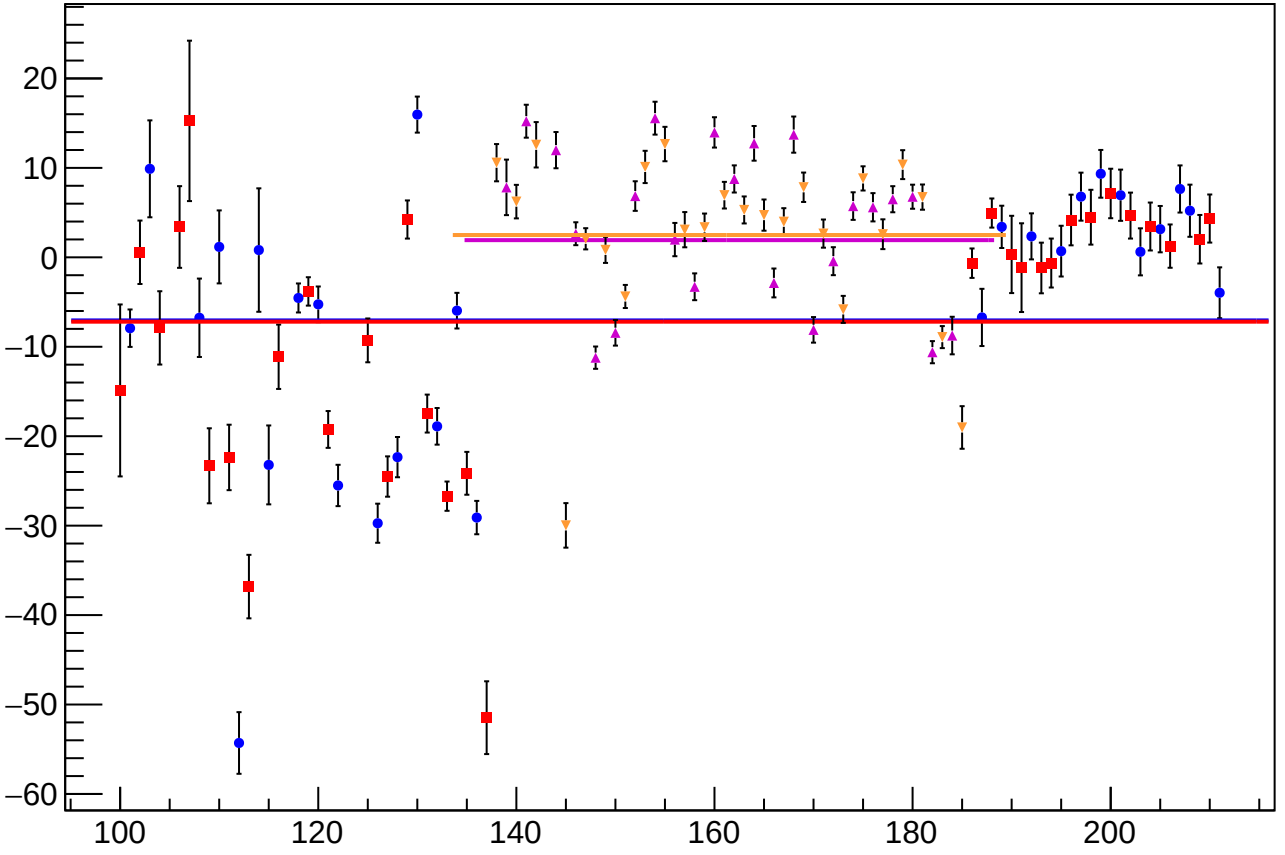
Left In: 31.895+/-0.378 χ^2/NDF:2767.3/22

\+ sign 25.790+/-0.258 χ^2/NDF: 13894.2/51

All: 24.661+/-0.175 χ^2/NDF: 30154.5/106

\- sign 23.697+/-0.238 χ^2/NDF: 16224.8/54

reg_asym_usl_atl1_avg_diff_bpm4eY_slope vs Slug



Right In: -7.054+/-0.476 χ^2/NDF: 943.7/27

Left Out: 2.494+/-0.327 χ^2/NDF:558.7/23

Right Out: -7.194+/-0.459 χ^2/NDF: 804.0/31

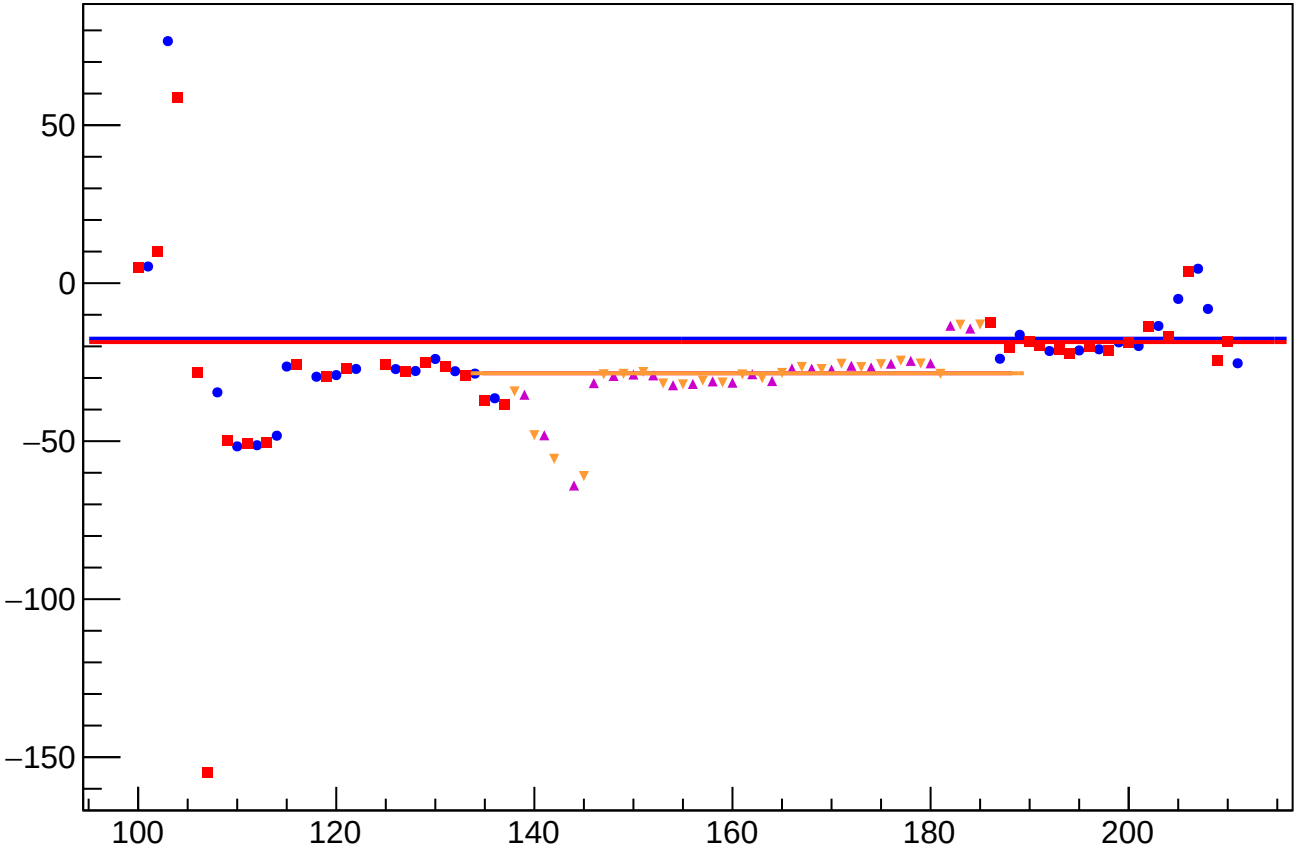
Left In: 1.921+/-0.332 χ^2/NDF:678.8/22

\+ sign -0.563+/-0.269 χ^2/NDF: 1775.9/51

All: -0.886+/-0.190 χ^2/NDF: 3520.3/106

\- sign -1.207+/-0.269 χ^2/NDF: 1741.6/54

reg_asym_usl_atl1_avg_diff_bpm12X_slope vs Slug



Right In: -17.566+/-0.022 χ^2/NDF: 730051.6/27

Left Out: -28.513+/-0.015 χ^2/NDF:333774.3/23

Right Out: -18.643+/-0.021 χ^2/NDF: 625356.4/31

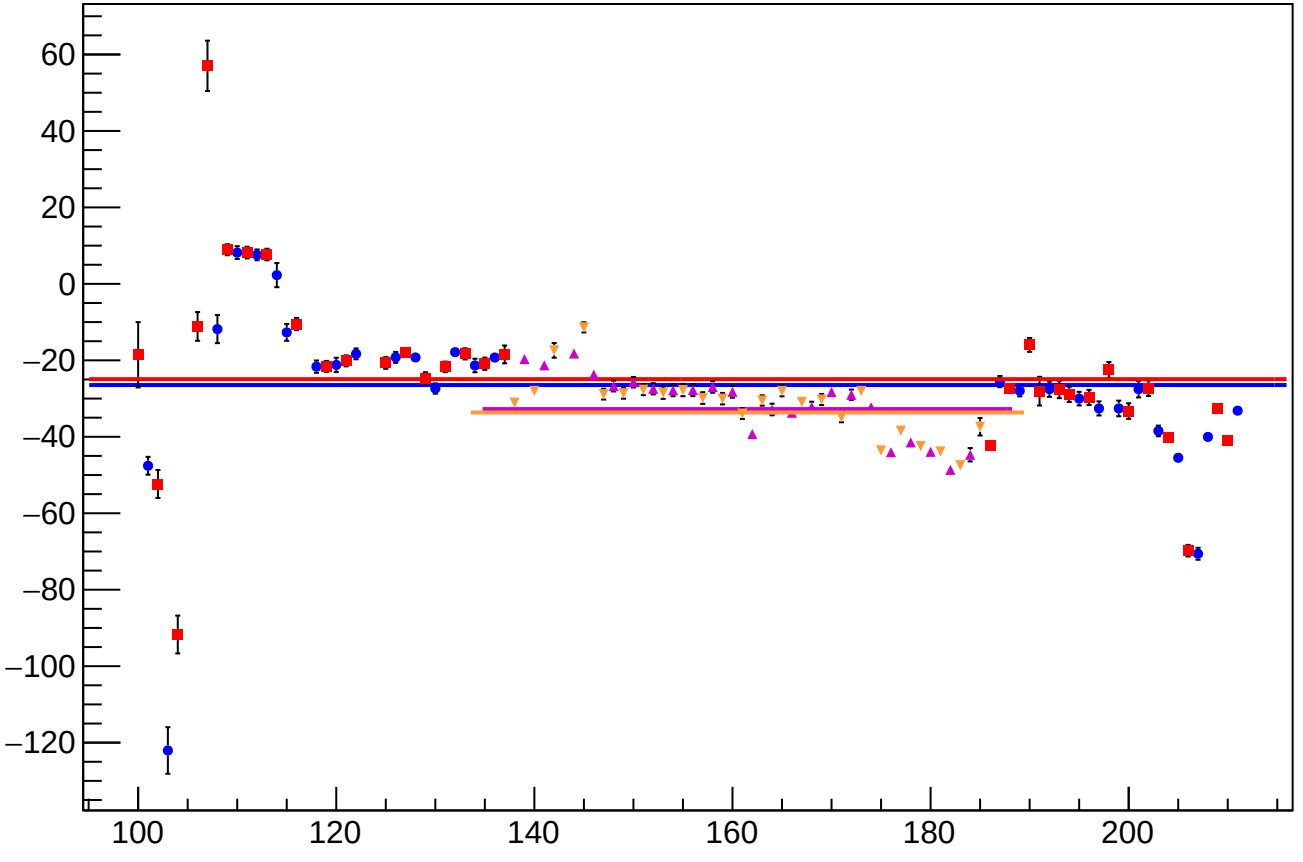
Left In: -28.495+/-0.015 χ^2/NDF:287757.4/22

+ sign -25.151+/-0.012 χ^2/NDF: 1232642.2/51

All: -25.225+/-0.009 χ^2/NDF: 2289483.2/106

- sign -25.298+/-0.012 χ^2/NDF: 1056769.1/54

reg_asym_usl_atl1_dd_diff_bpm1X_slope vs Slug



Right In: -26.460+/-0.293 χ^2/NDF: 2998.9/27

Left Out: -33.643+/-0.265 χ^2/NDF:1015.9/23

Right Out: -24.918+/-0.281 χ^2/NDF: 3599.7/31

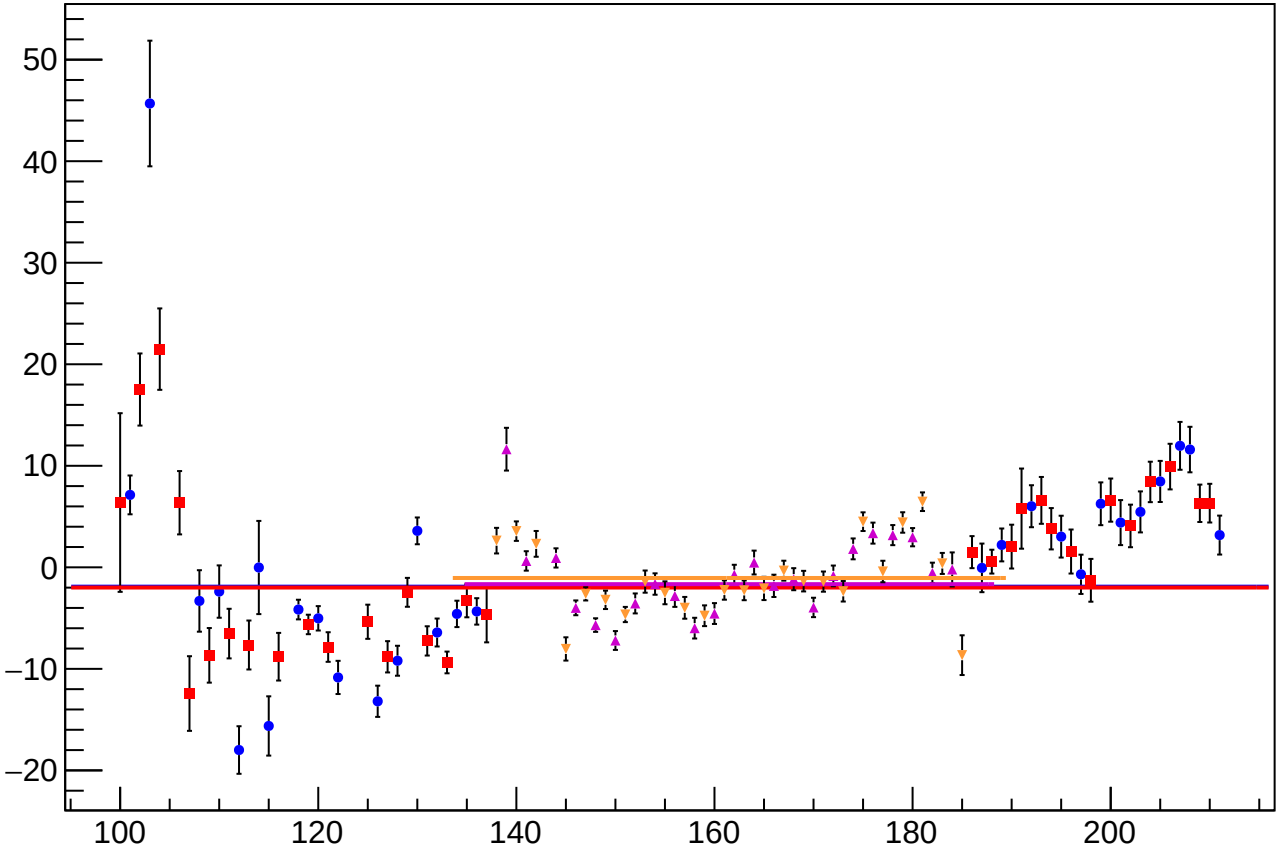
Left In: -32.750+/-0.269 χ^2/NDF:1143.5/22

\+ sign -30.413+/-0.197 χ^2/NDF: 4344.8/51

All: -29.700+/-0.138 χ^2/NDF: 9520.5/106

\- sign -29.006+/-0.194 χ^2/NDF: 5149.7/54

reg_asym_usl_atl1_dd_diff_bpm4aY_slope vs Slug



Right In: -1.904+/-0.332 χ^2/NDF: 475.9/27

Left Out: -1.050+/-0.203 χ^2/NDF:289.4/23

Right Out: -1.990+/-0.326 χ^2/NDF: 382.1/31

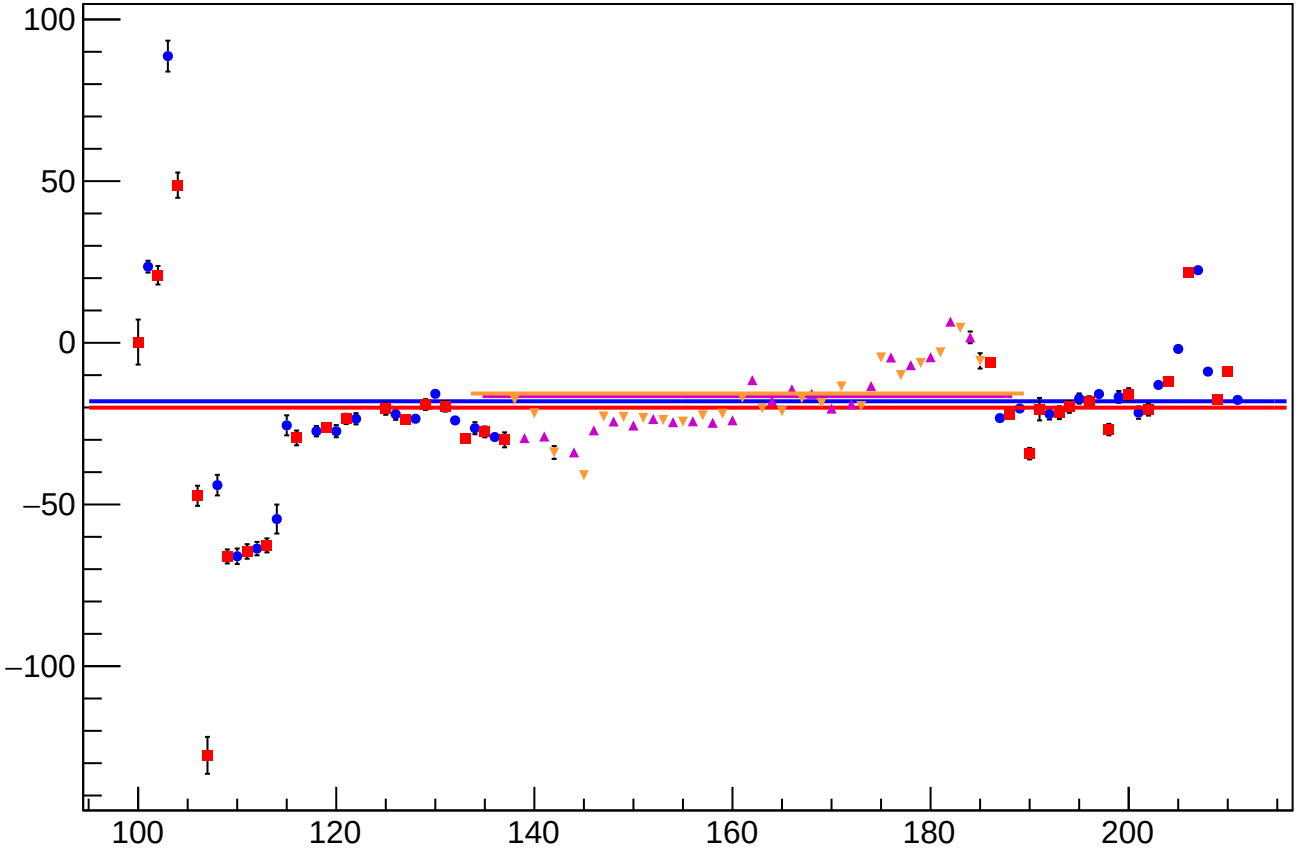
Left In: -1.659+/-0.207 χ^2/NDF:264.4/22

+ sign -1.282+/-0.173 χ^2/NDF: 770.1/51

All: -1.516+/-0.123 χ^2/NDF: 1421.0/106

- sign -1.754+/-0.175 χ^2/NDF: 647.2/54

reg_asym_usl_atl1_dd_diff_bpm4eX_slope vs Slug



Right In: -18.080+/-0.301 χ^2/NDF: 3259.9/27

Left Out: -15.674+/-0.263 χ^2/NDF:1520.8/23

Right Out: -20.046+/-0.281 χ^2/NDF: 3568.9/31

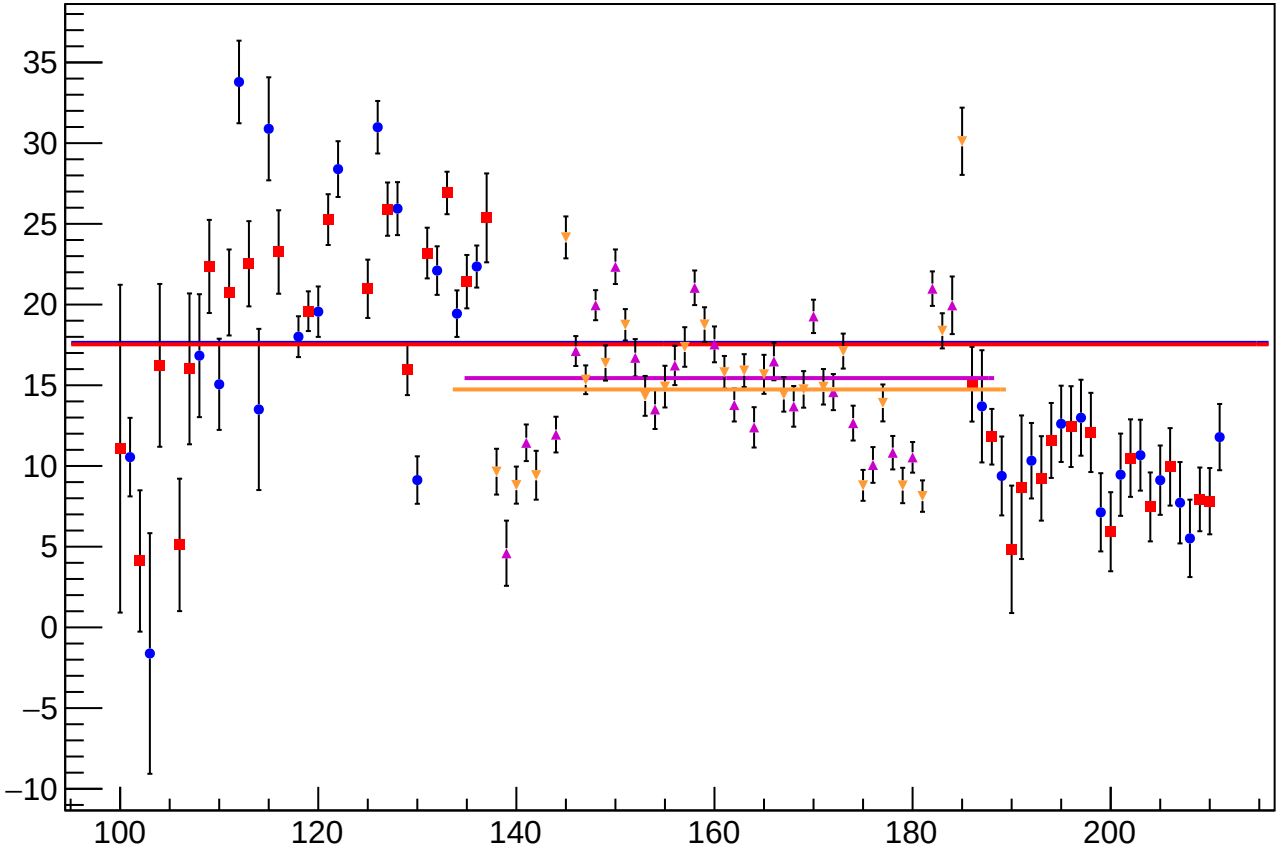
Left In: -16.480+/-0.266 χ^2/NDF:1697.7/22

\+ sign -16.717+/-0.198 χ^2/NDF: 4817.0/51

All: -17.460+/-0.138 χ^2/NDF: 10196.0/106

\- sign -18.166+/-0.193 χ^2/NDF: 5351.6/54

reg_asym_usl_atl1_dd_diff_bpm4eY_slope vs Slug



Right In: 17.627+/-0.381 χ^2/NDF: 399.0/27

Left Out: 14.740+/-0.229 χ^2/NDF:331.0/23

Right Out: 17.536+/-0.381 χ^2/NDF: 328.1/31

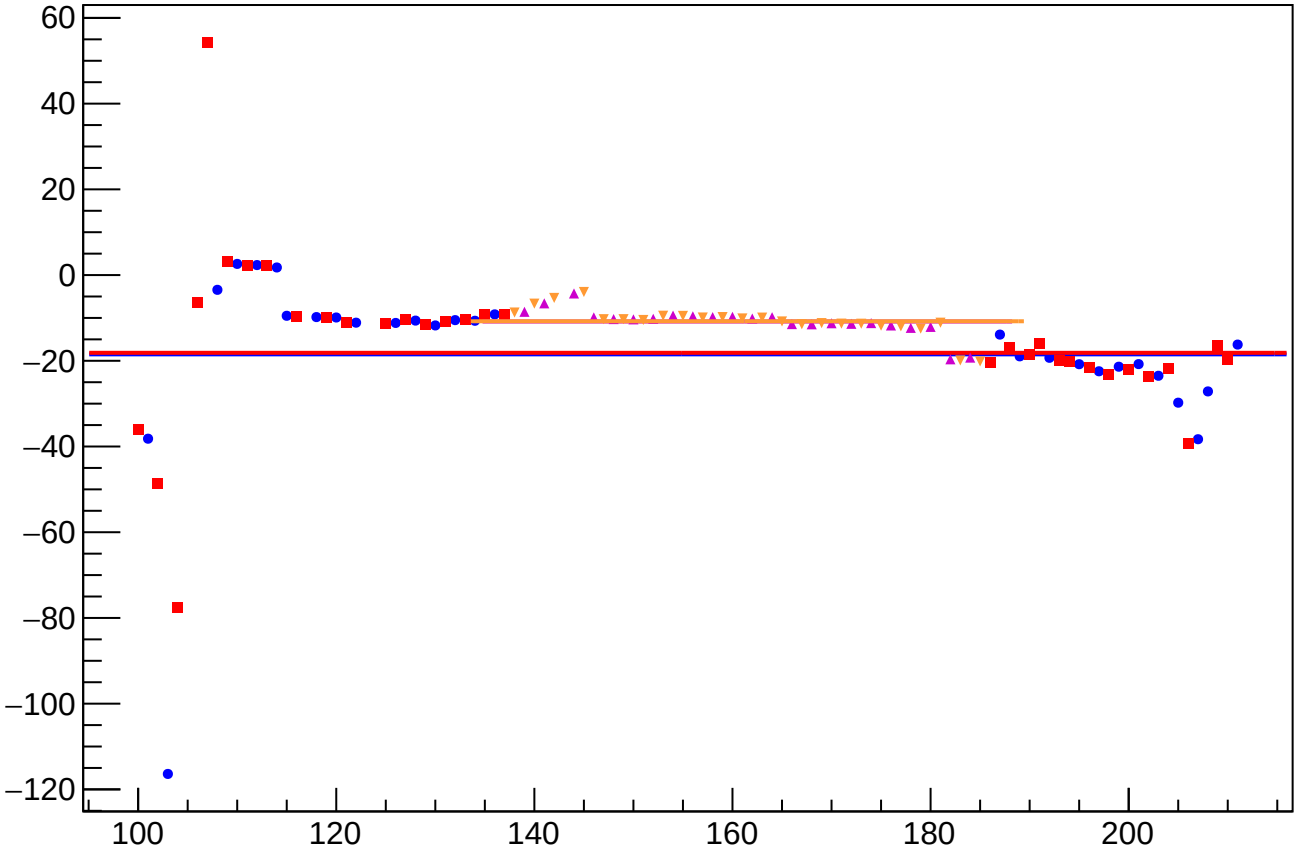
Left In: 15.444+/-0.233 χ^2/NDF:290.4/22

+ sign 15.507+/-0.197 χ^2/NDF: 772.1/51

All: 15.758+/-0.140 χ^2/NDF: 1415.8/106

- sign 16.014+/-0.199 χ^2/NDF: 640.4/54

reg_asym_usl_atl1_dd_diff_bpm12X_slope vs Slug



Right In: -18.498+/-0.019 χ^2/NDF: 454339.9/27

Left Out: -10.778+/-0.010 χ^2/NDF:84755.9/23

Right Out: -18.139+/-0.018 χ^2/NDF: 432860.4/31

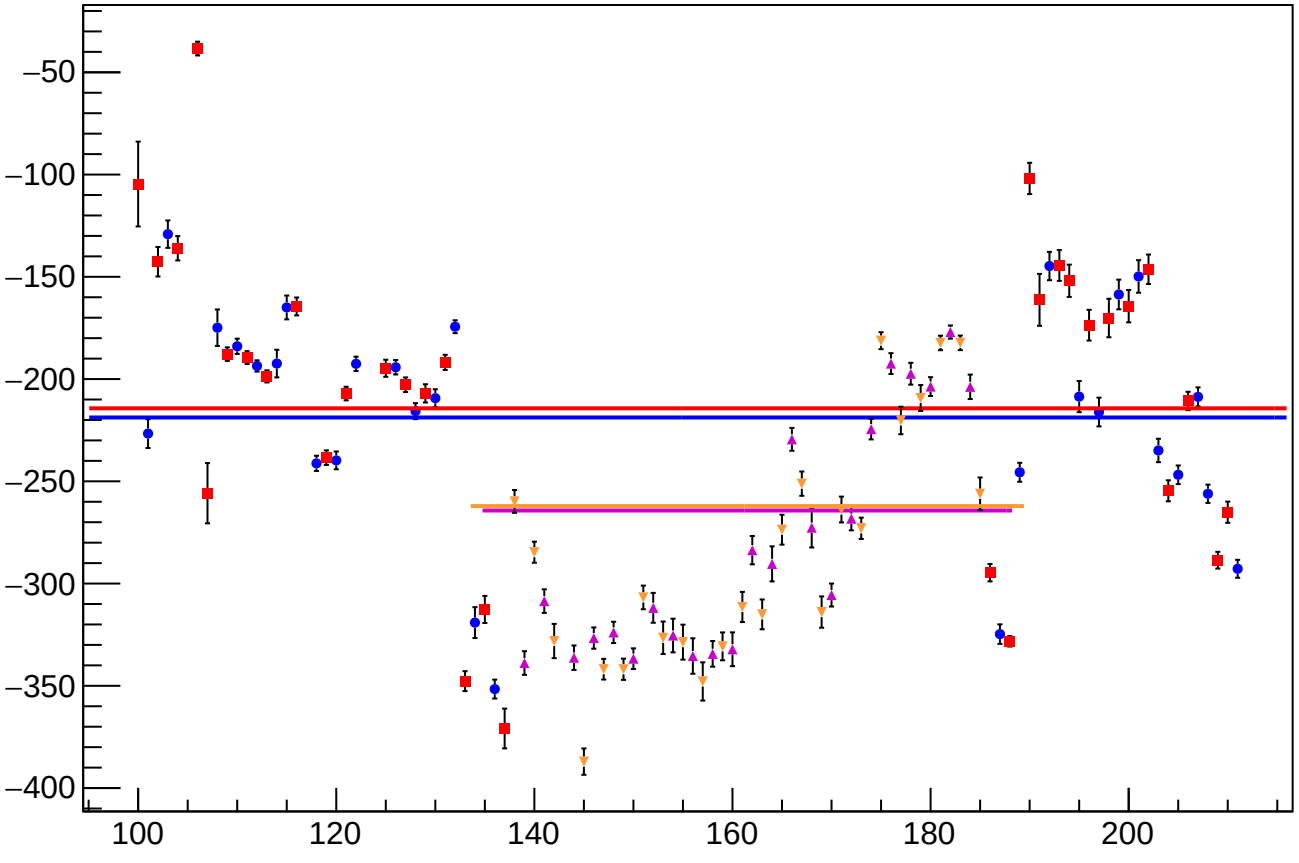
Left In: -10.834+/-0.010 χ^2/NDF:74113.9/22

+ sign -12.575+/-0.009 χ^2/NDF: 670257.7/51

All: -12.579+/-0.006 χ^2/NDF: 1297295.7/106

- sign -12.582+/-0.009 χ^2/NDF: 627037.7/54

reg_asym_usl_atl2_avg_diff_bpm1X_slope vs Slug



Right In: -218.791+/-0.881 χ^2/NDF: 3032.6/27

Left Out: -262.110+/-1.179 χ^2/NDF:2964.6/23

Right Out: -214.312+/-0.812 χ^2/NDF: 8072.5/31

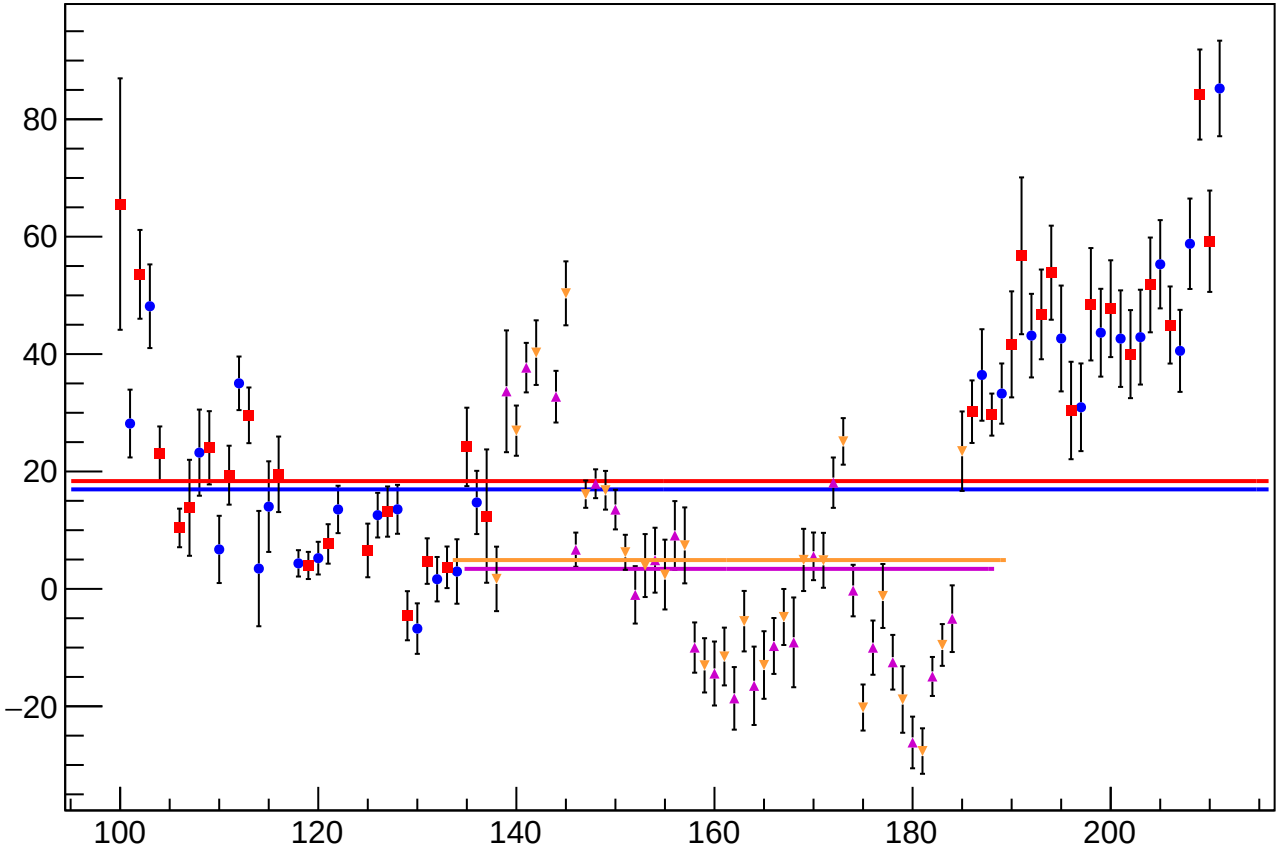
Left In: -264.272+/-1.186 χ^2/NDF:2741.9/22

+ sign -234.298+/-0.706 χ^2/NDF: 6863.5/51

All: -232.179+/-0.486 χ^2/NDF: 18903.6/106

- sign -230.268+/-0.670 χ^2/NDF: 12023.0/54

reg_asym_usl_atl2_avg_diff_bpm4aY_slope vs Slug



Right In: 16.950+/-0.952 χ^2/NDF: 361.6/27

Left Out: 4.909+/-0.886 χ^2/NDF:398.9/23

Right Out: 18.362+/-0.910 χ^2/NDF: 383.6/31

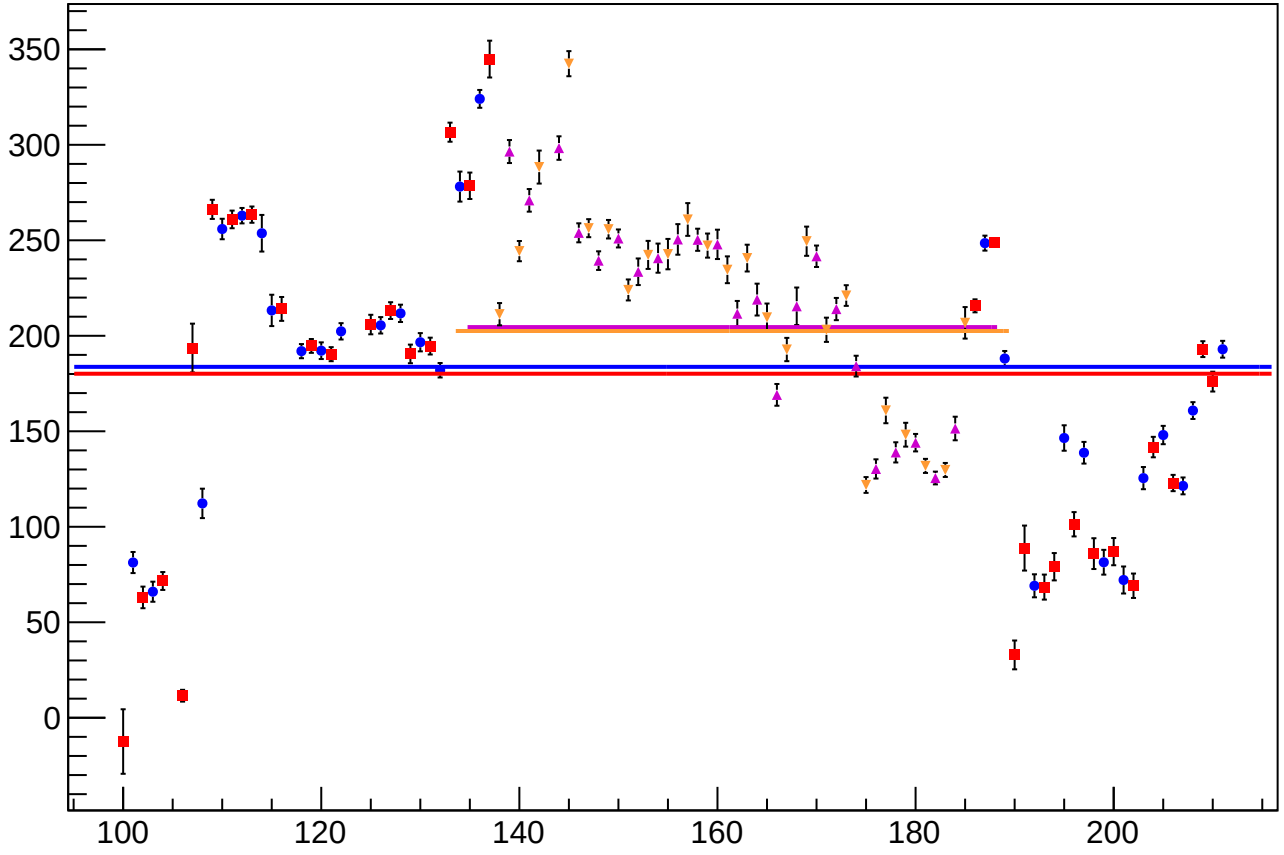
Left In: 3.409+/-0.901 χ^2/NDF:333.3/22

\+ sign 10.500+/-0.649 χ^2/NDF: 846.2/51

All: 10.659+/-0.456 χ^2/NDF: 1699.7/106

\- sign 10.813+/-0.640 χ^2/NDF: 853.4/54

reg_asym_usl_atl2_avg_diff_bpm4eX_slope vs Slug



Right In: 183.736+/-0.934 χ^2/NDF: 4321.8/27

Left Out: 202.511+/-1.173 χ^2/NDF:2393.5/23

Right Out: 180.133+/-0.838 χ^2/NDF: 9498.2/31

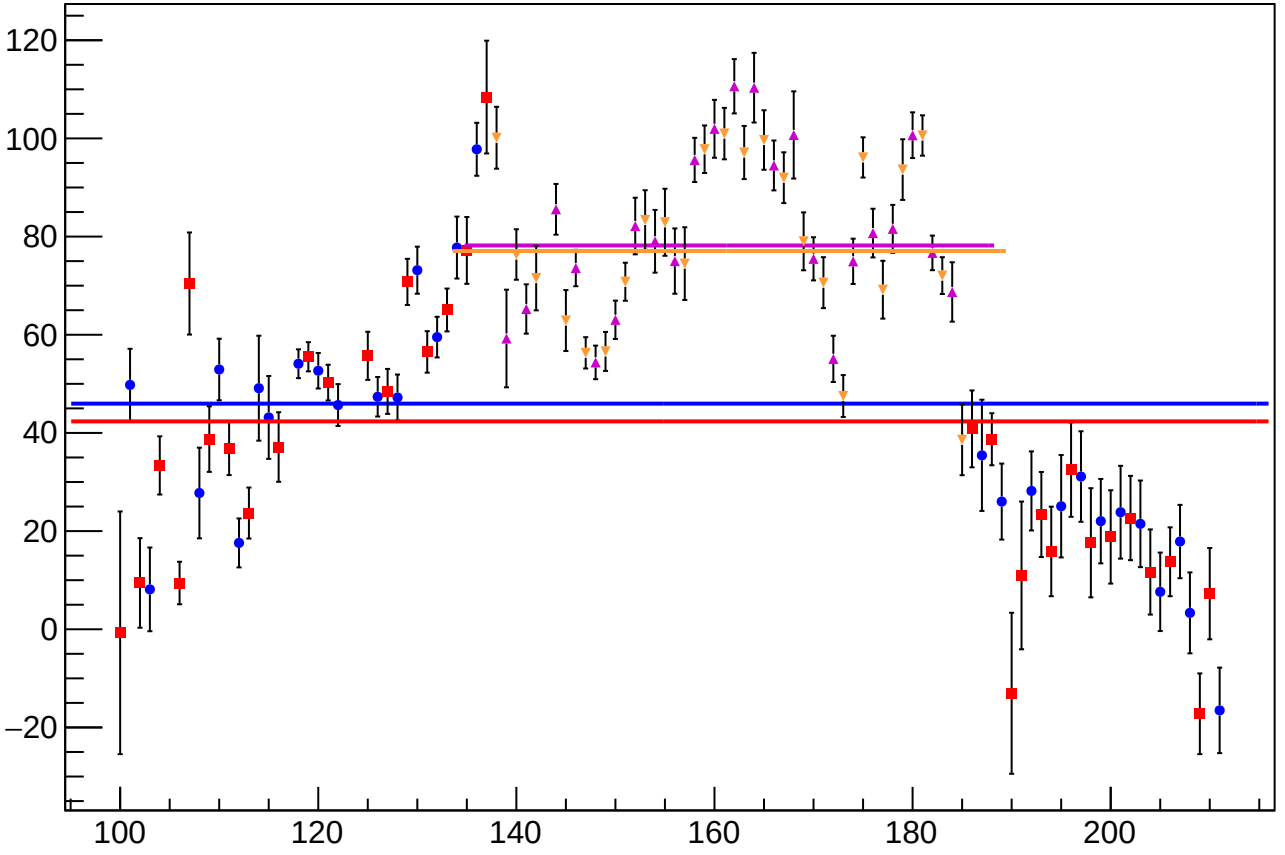
Left In: 204.560+/-1.177 χ^2/NDF:2285.7/22

+ sign 191.019+/-0.730 χ^2/NDF: 6872.2/51

All: 189.595+/-0.499 χ^2/NDF: 18948.9/106

- sign 188.351+/-0.683 χ^2/NDF: 12069.6/54

reg_asym_usl_atl2_avg_diff_bpm4eY_slope vs Slug



Right In: 45.969+/-1.112 χ^2/NDF: 384.8/27

Left Out: 77.061+/-1.015 χ^2/NDF:311.3/23

Right Out: 42.349+/-1.074 χ^2/NDF: 408.4/31

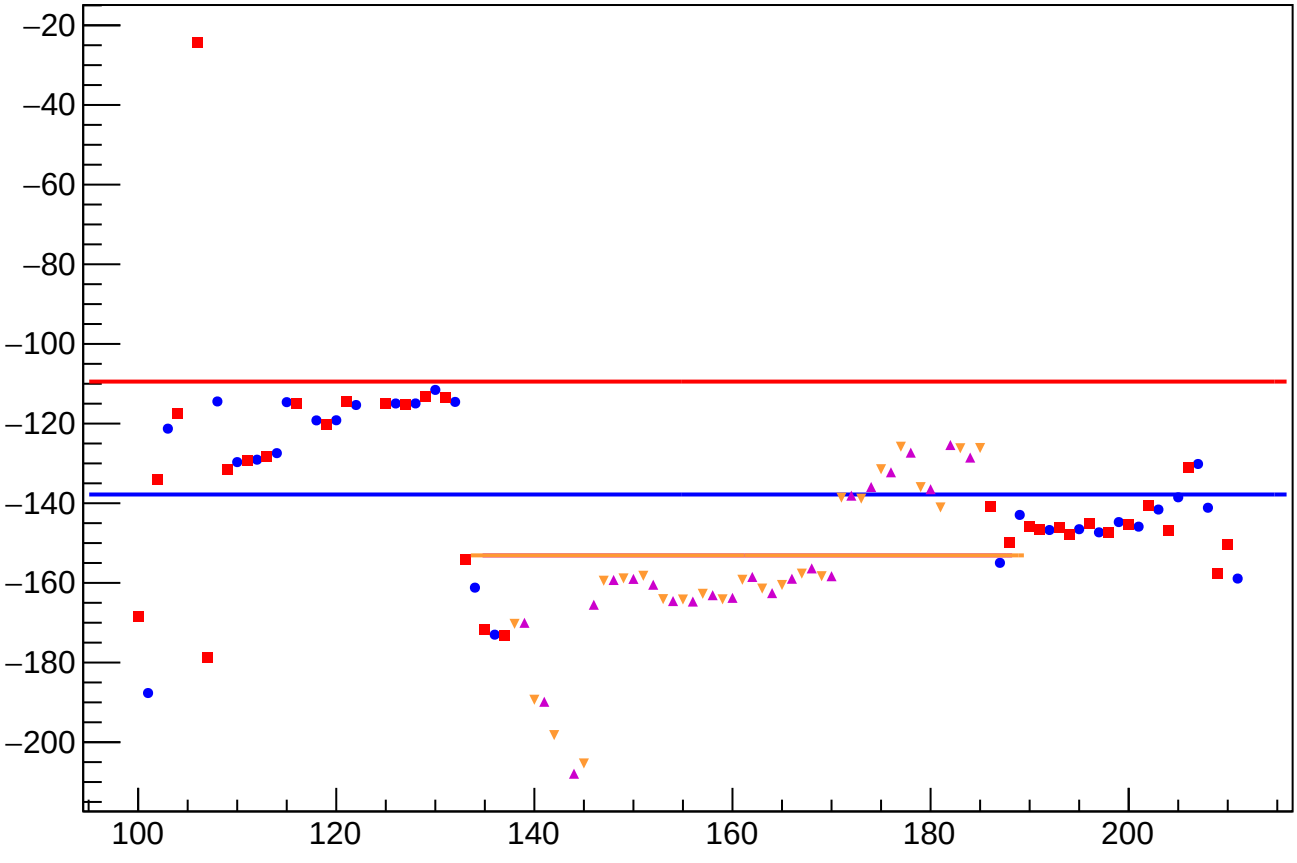
Left In: 78.189+/-1.026 χ^2/NDF:232.5/22

+ sign 62.927+/-0.750 χ^2/NDF: 1122.4/51

All: 62.000+/-0.527 χ^2/NDF: 2348.9/106

- sign 61.093+/-0.742 χ^2/NDF: 1223.5/54

reg_asym_usl_atl2_avg_diff_bpm12X_slope vs Slug



Right In: -137.804+/-0.060 χ^2/NDF: 106541.7/27

Left Out: -153.090+/-0.047 χ^2/NDF:177552.0/23

Right Out: -109.455+/-0.051 χ^2/NDF: 1011490.5/31

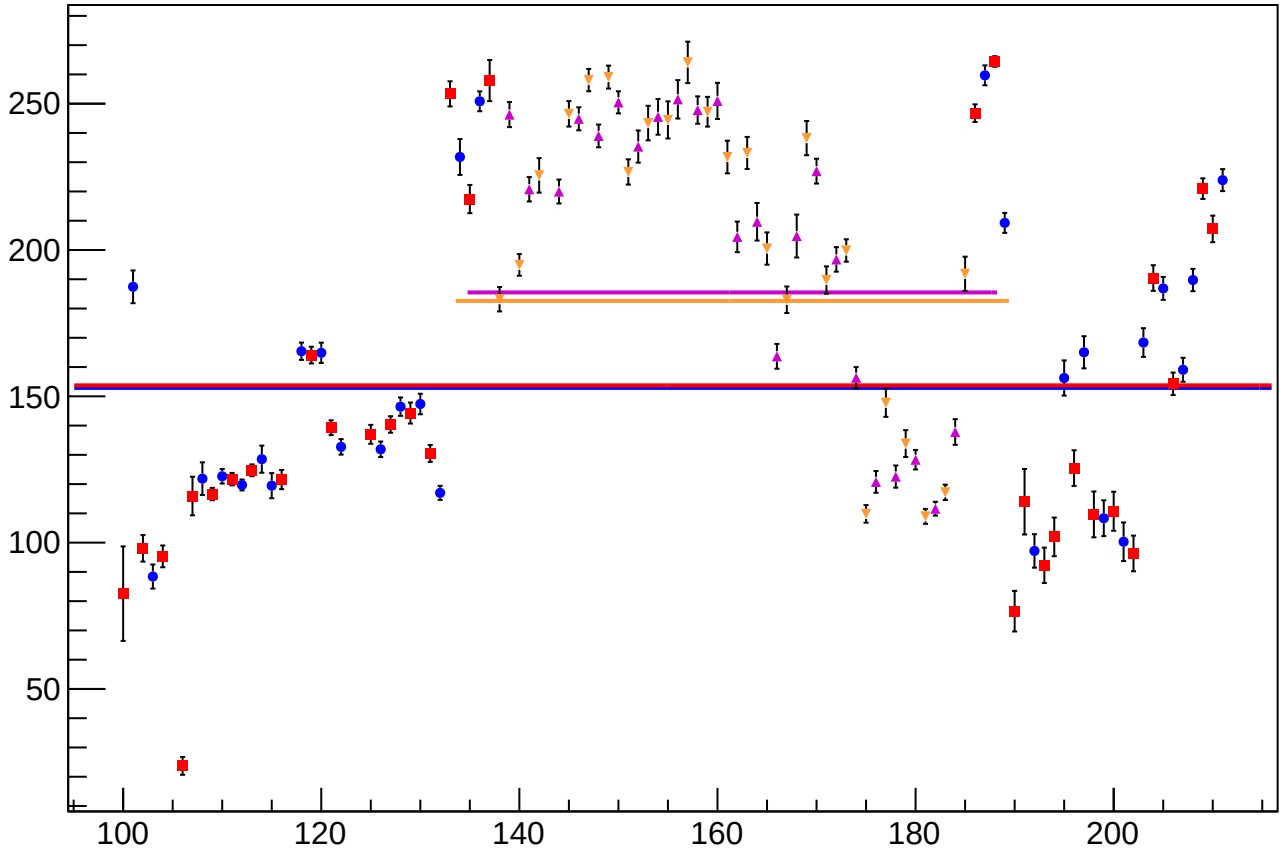
Left In: -153.103+/-0.047 χ^2/NDF:166644.2/22

+ sign -147.337+/-0.037 χ^2/NDF: 324046.7/51

All: -139.809+/-0.025 χ^2/NDF: 1976727.5/10

- sign -133.295+/-0.034 χ^2/NDF: 1575681.1/54

reg_asym_usl_atl2_dd_diff_bpm1X_slope vs Slug



Right In: 152.880+/-0.668 χ^2/NDF: 4253.3/27

Left Out: 182.591+/-0.866 χ^2/NDF:4152.3/23

Right Out: 153.749+/-0.610 χ^2/NDF: 9983.0/31

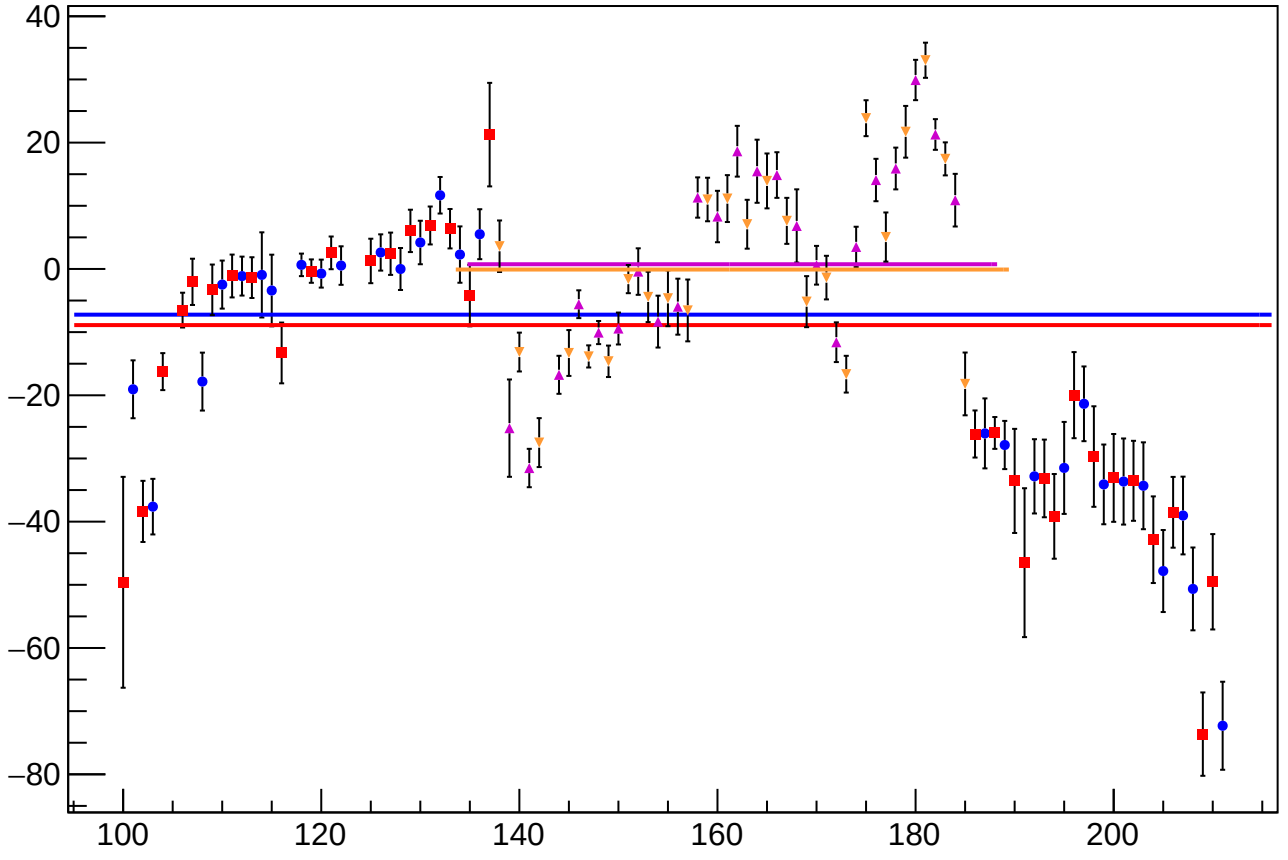
Left In: 185.497+/-0.872 χ^2/NDF:3822.2/22

\+ sign 163.957+/-0.529 χ^2/NDF: 9144.0/51

All: 164.066+/-0.363 χ^2/NDF: 23839.2/106

\- sign 164.163+/-0.500 χ^2/NDF: 14695.1/54

reg_asym_usl_atl2_dd_diff_bpm4aY_slope vs Slug



Right In: -7.236+/-0.731 χ^2/NDF: 508.3/27

Left Out: -0.092+/-0.655 χ^2/NDF:555.3/23

Right Out: -8.887+/-0.689 χ^2/NDF: 550.4/31

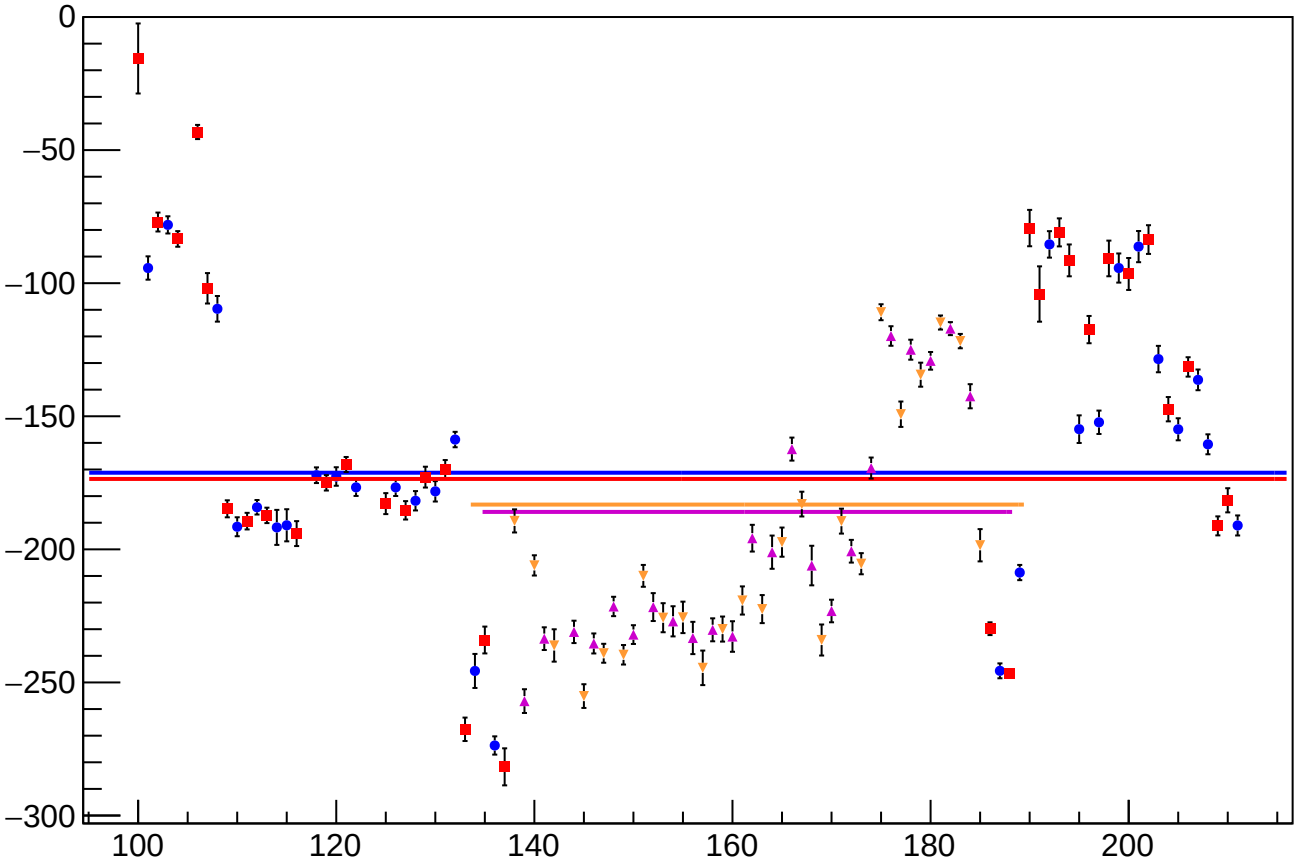
Left In: 0.747+/-0.665 χ^2/NDF:497.8/22

+ sign -3.270+/-0.488 χ^2/NDF: 1116.6/51

All: -3.591+/-0.342 χ^2/NDF: 2266.8/106

- sign -3.900+/-0.479 χ^2/NDF: 1149.3/54

reg_asym_usl_atl2_dd_diff_bpm4eX_slope vs Slug



Right In: -171.211+/-0.713 χ^2/NDF: 4261.8/27

Left Out: -183.175+/-0.862 χ^2/NDF:3361.2/23

Right Out: -173.546+/-0.632 χ^2/NDF: 10024.4/31

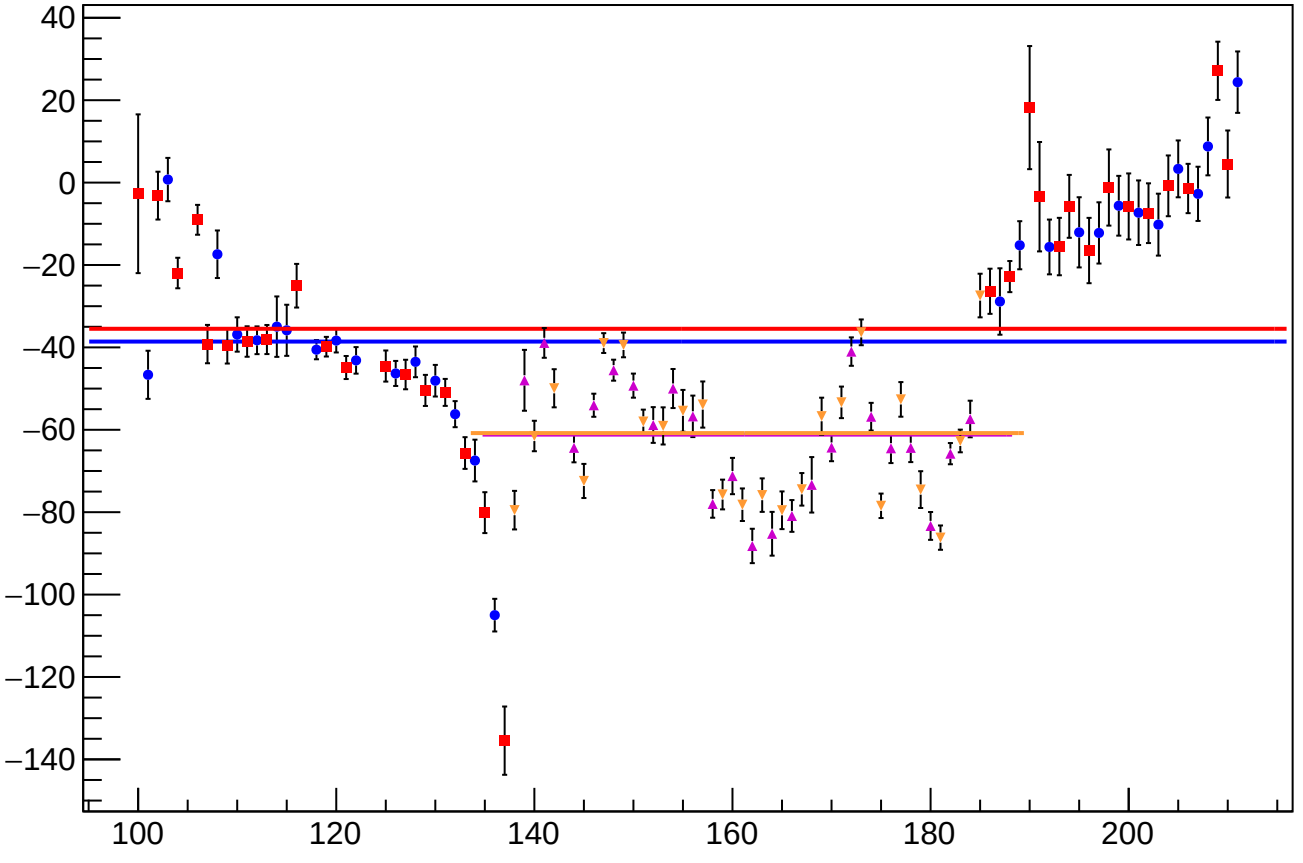
Left In: -185.936+/-0.867 χ^2/NDF:3181.6/22

+ sign -176.073+/-0.550 χ^2/NDF: 7737.2/51

All: -177.023+/-0.374 χ^2/NDF: 21082.2/106

- sign -177.841+/-0.511 χ^2/NDF: 13339.4/54

reg_asym_usl_atl2_dd_diff_bpm4eY_slope vs Slug



Right In: -38.587+/-0.854 χ^2/NDF: 719.4/27

Left Out: -60.801+/-0.749 χ^2/NDF:474.0/23

Right Out: -35.482+/-0.815 χ^2/NDF: 724.4/31

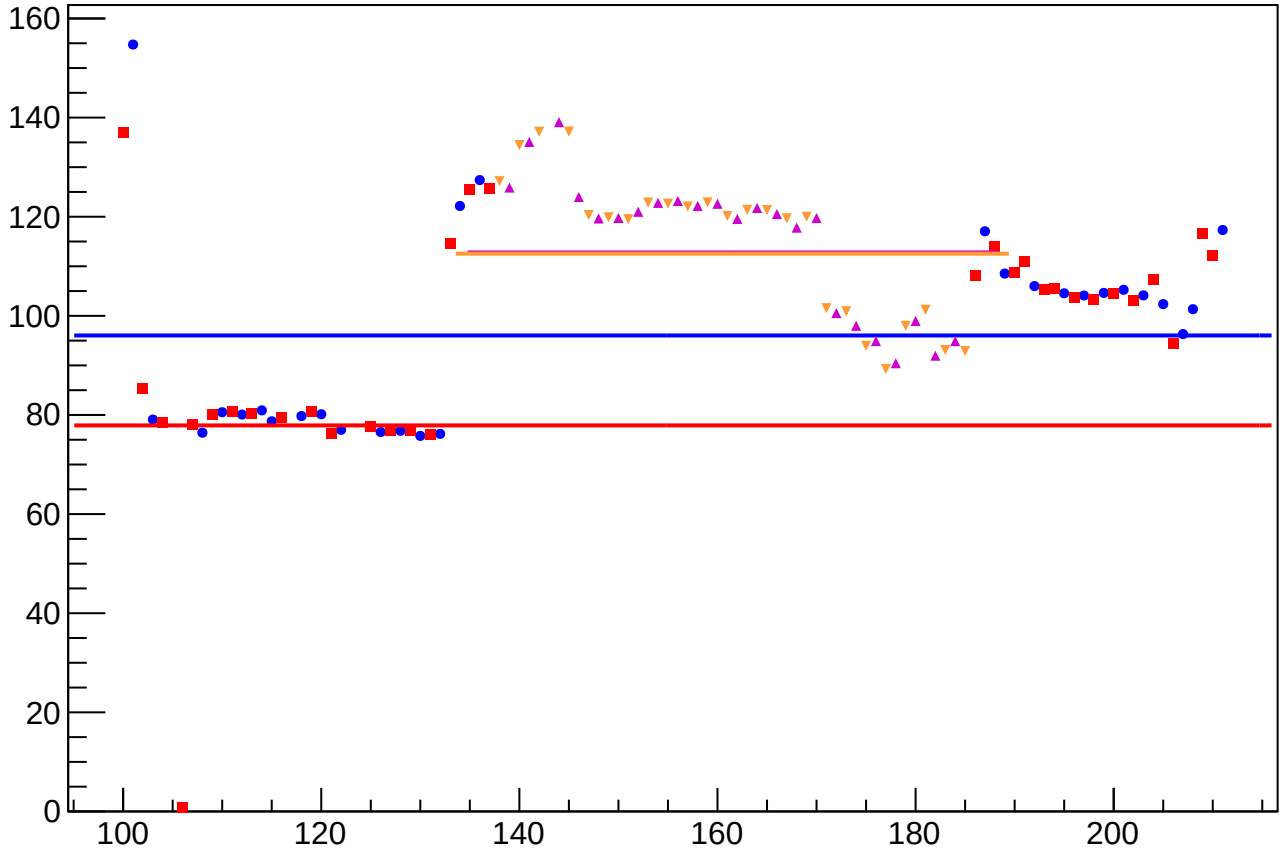
Left In: -61.172+/-0.757 χ^2/NDF:316.9/22

+ sign -51.140+/-0.563 χ^2/NDF: 1576.1/51

All: -50.197+/-0.395 χ^2/NDF: 3156.2/106

- sign -49.282+/-0.555 χ^2/NDF: 1574.6/54

reg_asym_usl_atl2_dd_diff_bpm12X_slope vs Slug



Right In: 96.040+/-0.046 χ^2/NDF: 186878.8/27

Left Out: 112.539+/-0.035 χ^2/NDF:174512.4/23

Right Out: 77.894+/-0.040 χ^2/NDF: 906185.2/31

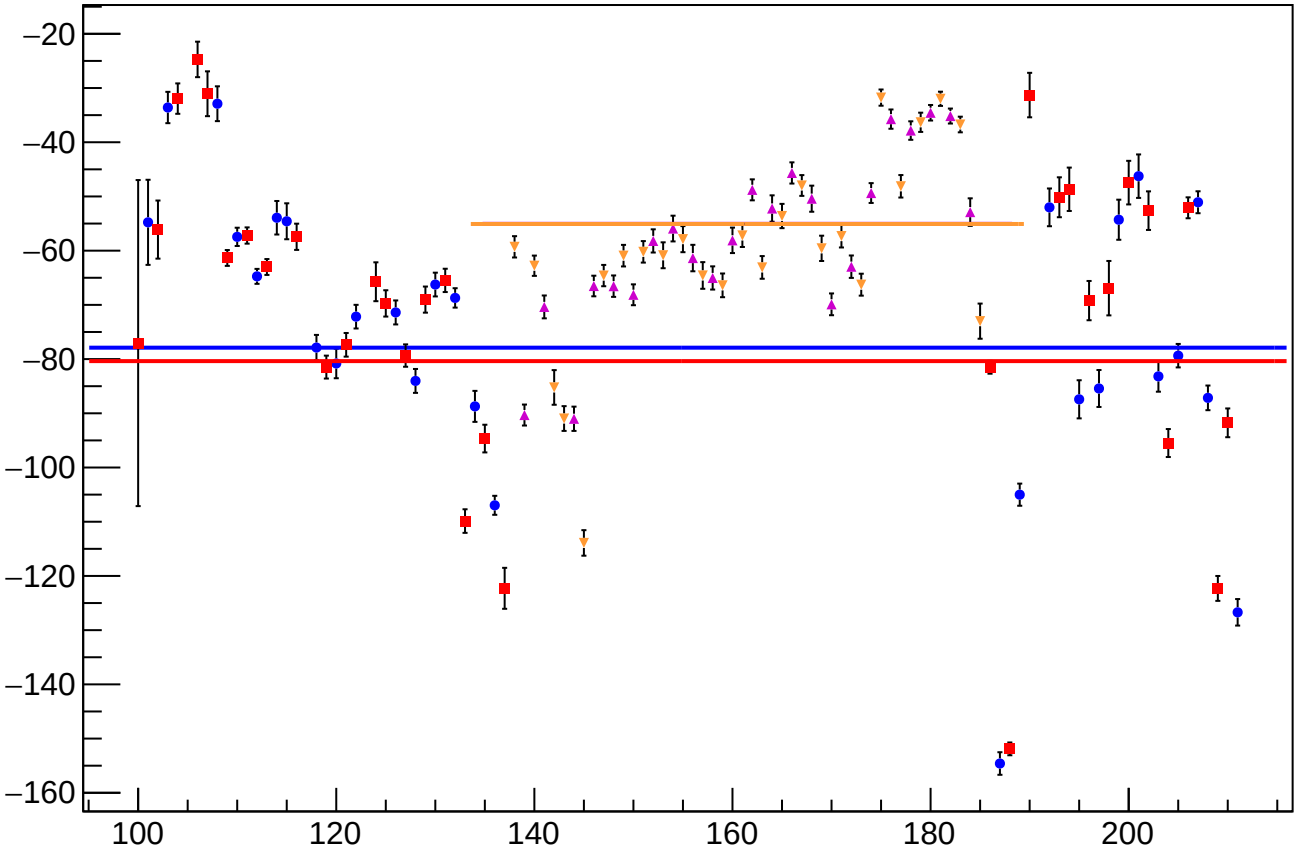
Left In: 112.795+/-0.034 χ^2/NDF:171662.8/22

+ sign 106.623+/-0.028 χ^2/NDF: 443004.4/51

All: 102.121+/-0.019 χ^2/NDF: 2003635.8/106

- sign 98.094+/-0.026 χ^2/NDF: 1510584.1/54

reg_asym_usr_atr1_avg_diff_bpm1X_slope vs Slug



Right In: -77.893+/-0.447 χ^2/NDF: 3455.7/27

Left Out: -55.077+/-0.401 χ^2/NDF:2002.8/24

Right Out: -80.373+/-0.400 χ^2/NDF: 6530.1/31

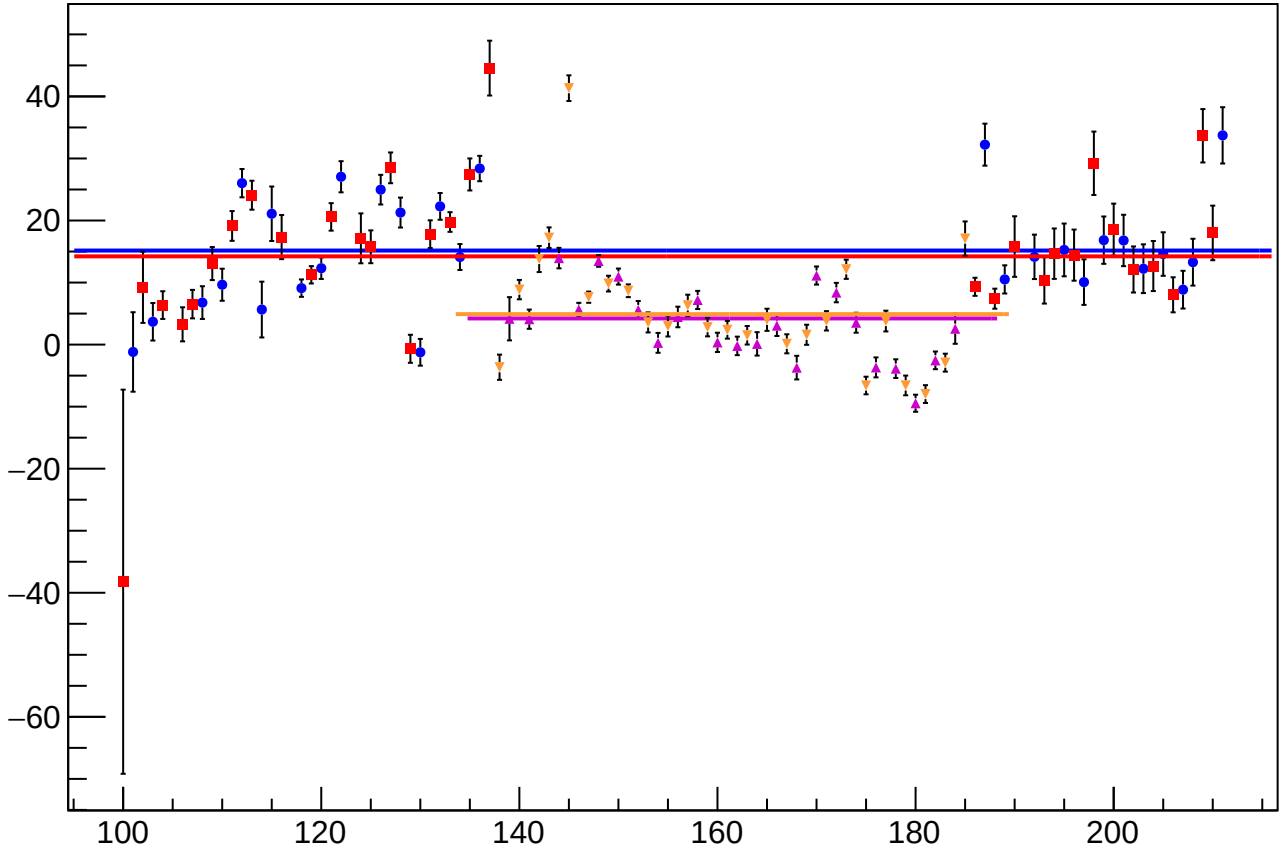
Left In: -55.050+/-0.410 χ^2/NDF:1541.8/22

\+ sign -65.247+/-0.298 χ^2/NDF: 6904.8/52

All: -66.692+/-0.207 χ^2/NDF: 16972.4/107

\- sign -68.027+/-0.287 χ^2/NDF: 10022.4/54

reg_asym_usr_atr1_avg_diff_bpm4aY_slope vs Slug



Right In: 15.160+/-0.503 χ^2/NDF: 296.3/27

Left Out: 4.910+/-0.301 χ^2/NDF:741.5/24

Right Out: 14.225+/-0.458 χ^2/NDF: 310.9/31

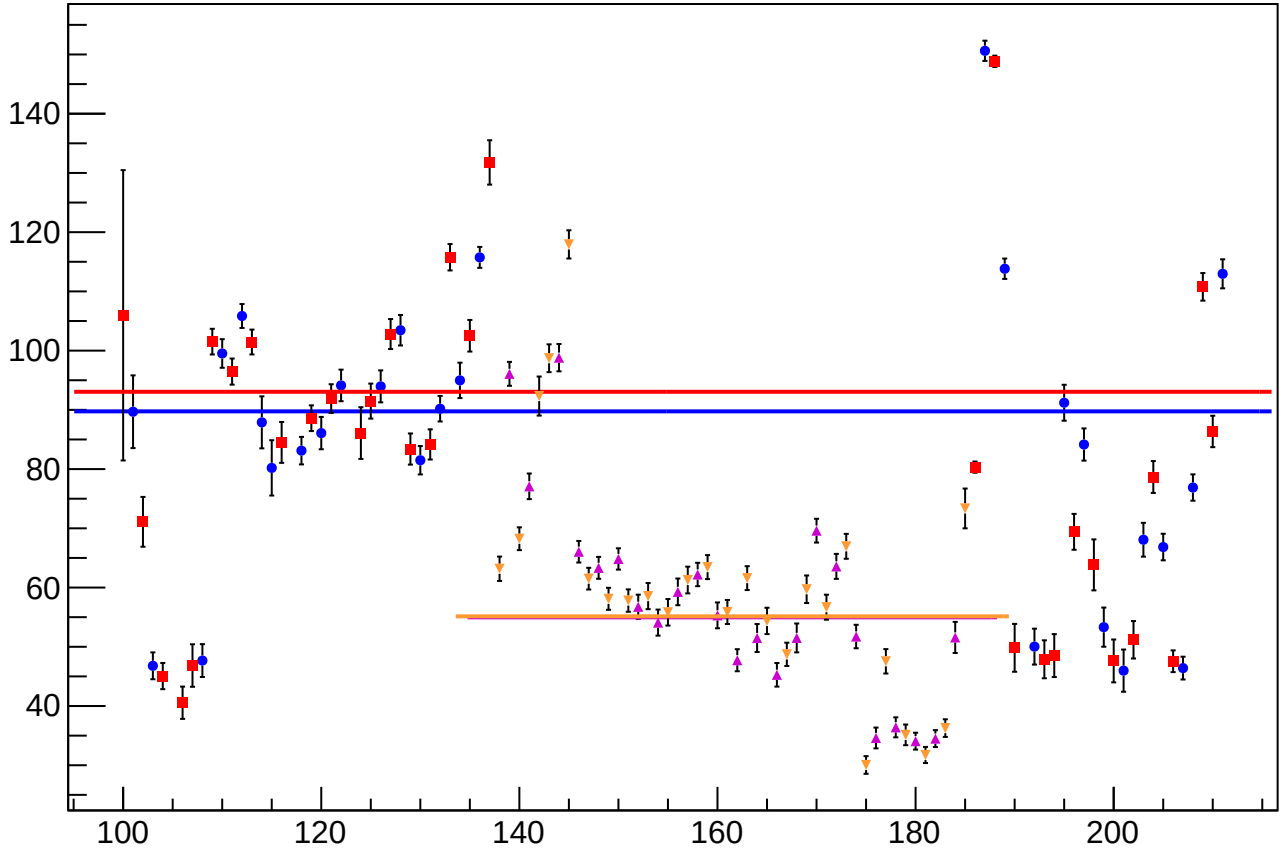
Left In: 4.215+/-0.312 χ^2/NDF:415.1/22

+ sign 7.618+/-0.259 χ^2/NDF: 1343.4/52

All: 7.503+/-0.183 χ^2/NDF: 2395.3/107

- sign 7.388+/-0.258 χ^2/NDF: 1051.6/54

reg_asym_usr_atr1_avg_diff_bpm4eX_slope vs Slug



Right In: 89.747+/-0.466 χ^2/NDF: 3652.5/27

Left Out: 55.142+/-0.397 χ^2/NDF:2242.4/24

Right Out: 93.053+/-0.402 χ^2/NDF: 6598.1/31

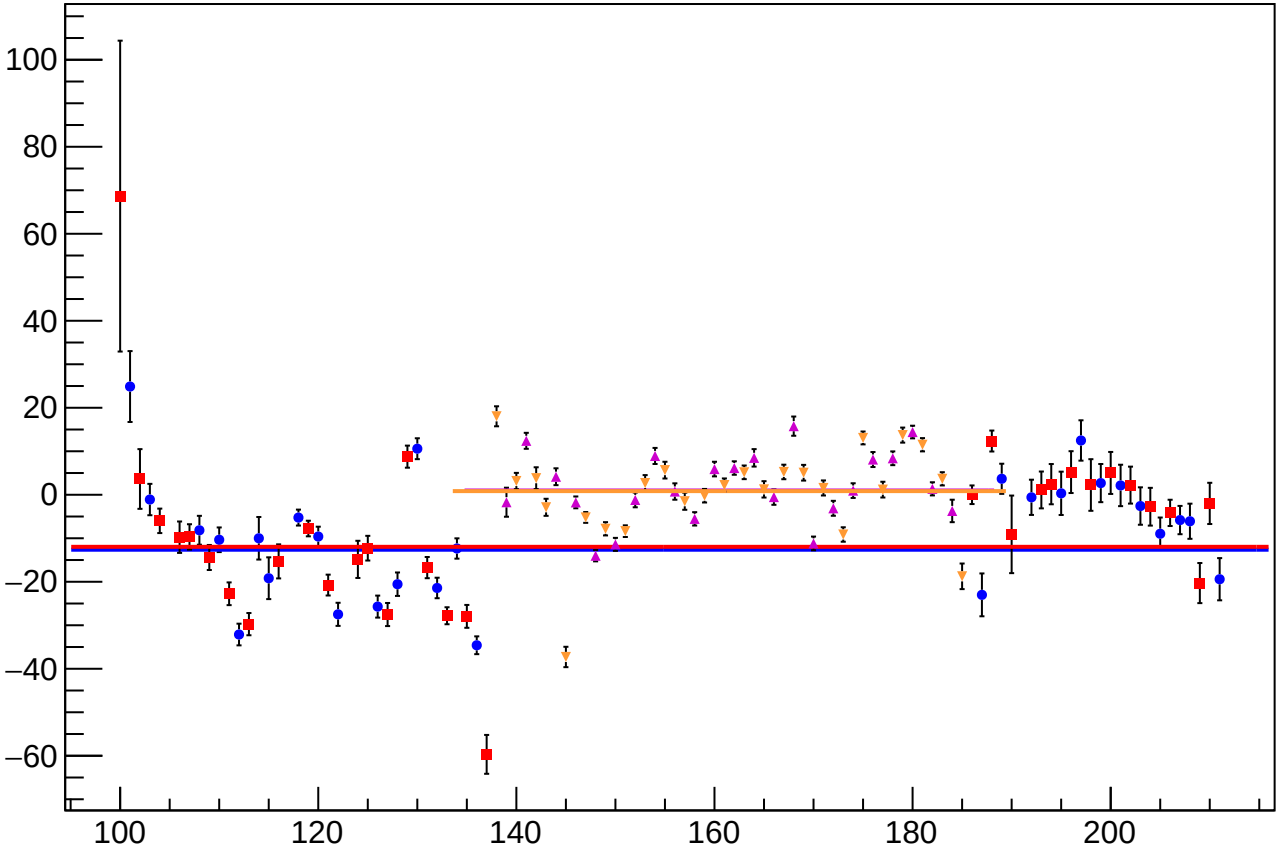
Left In: 54.972+/-0.406 χ^2/NDF:1780.5/22

+ sign 69.681+/-0.302 χ^2/NDF: 9088.7/52

All: 72.061+/-0.208 χ^2/NDF: 22032.1/107

- sign 74.184+/-0.285 χ^2/NDF: 12826.2/54

reg_asym_usr_atr1_avg_diff_bpm4eY_slope vs Slug



Right In: -12.633+/-0.582 χ^2/NDF: 513.3/27

Left Out: 0.840+/-0.343 χ^2/NDF:717.2/24

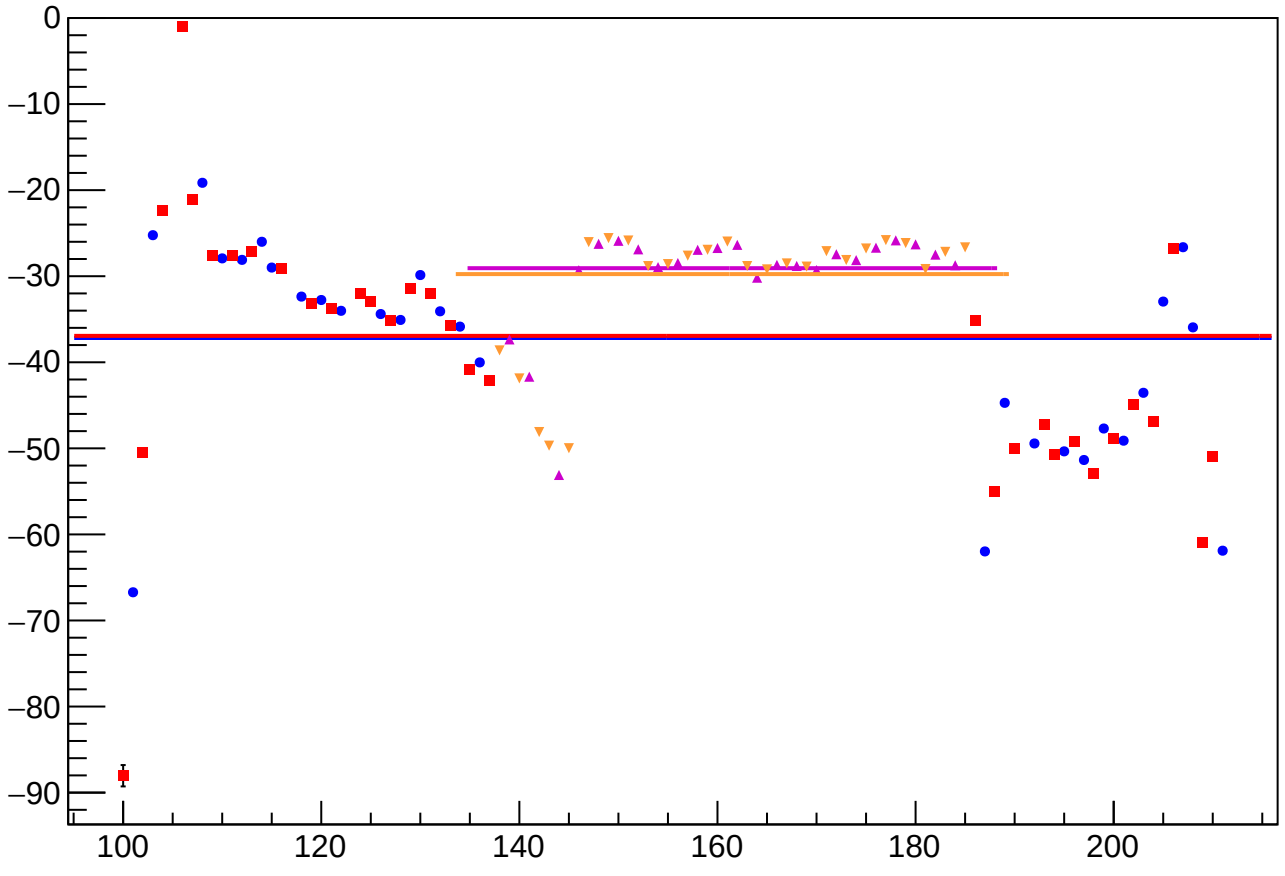
Right Out: -11.967+/-0.547 χ^2/NDF: 637.4/31

Left In: 0.980+/-0.353 χ^2/NDF:558.5/22

+ sign -2.630+/-0.295 χ^2/NDF: 1628.2/52

All: -2.731+/-0.209 χ^2/NDF: 3219.8/107

- sign -2.834+/-0.297 χ^2/NDF: 1591.4/54



Right In: -37.178+/-0.029 χ^2/NDF: 131254.2/27

Left Out: -29.754+/-0.016 χ^2/NDF:163552.5/24

Right Out: -36.931+/-0.028 χ^2/NDF: 229799.6/31

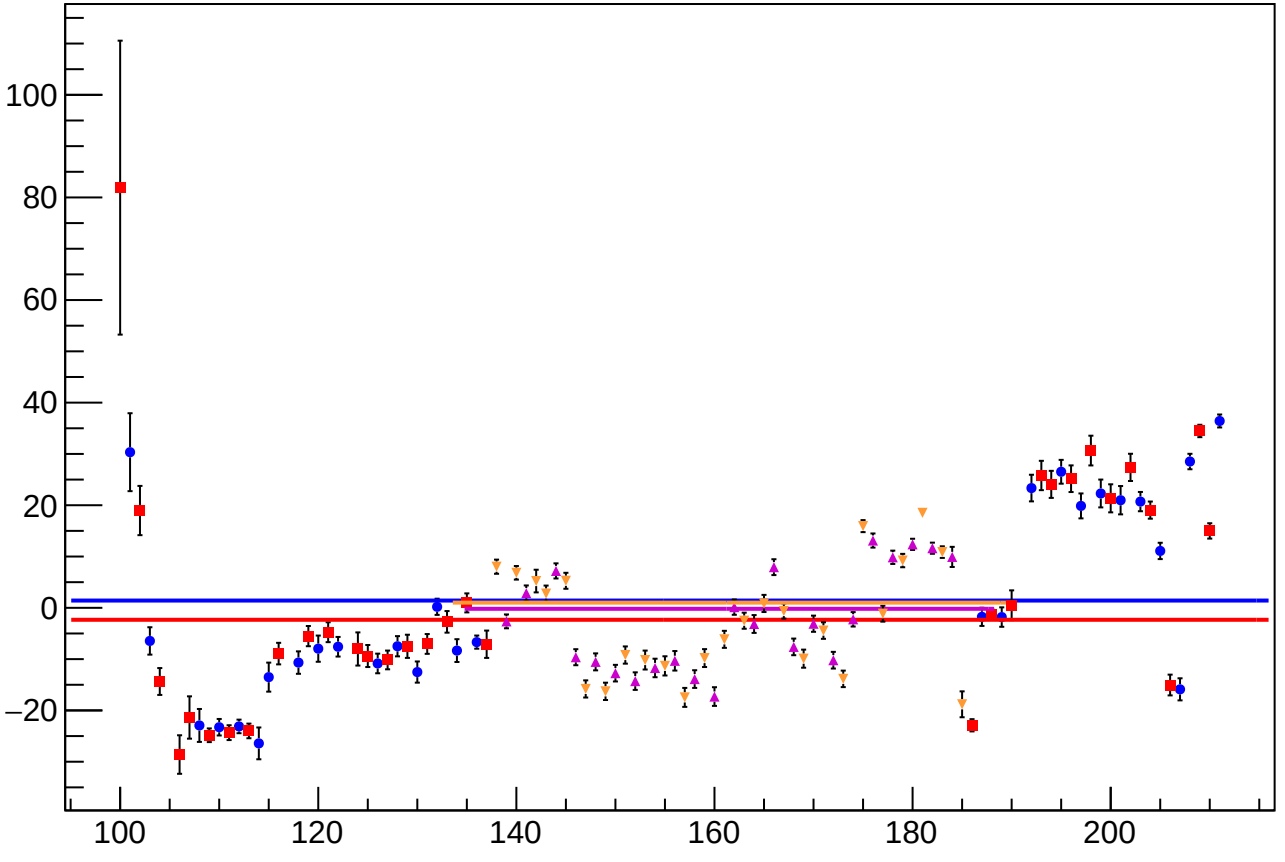
Left In: -29.067+/-0.016 χ^2/NDF:101545.6/22

+ sign -31.420+/-0.014 χ^2/NDF: 345805.4/52

All: -31.182+/-0.010 χ^2/NDF: 736832.0/107

- sign -30.941+/-0.014 χ^2/NDF: 390421.3/54

reg_asym_usr_atr1_dd_diff_bpm1X_slope vs Slug



Right In: 1.418+/-0.368 χ^2/NDF: 2663.3/27

Left Out: 1.015+/-0.305 χ^2/NDF:1335.1/24

Right Out: -2.331+/-0.340 χ^2/NDF: 3136.3/31

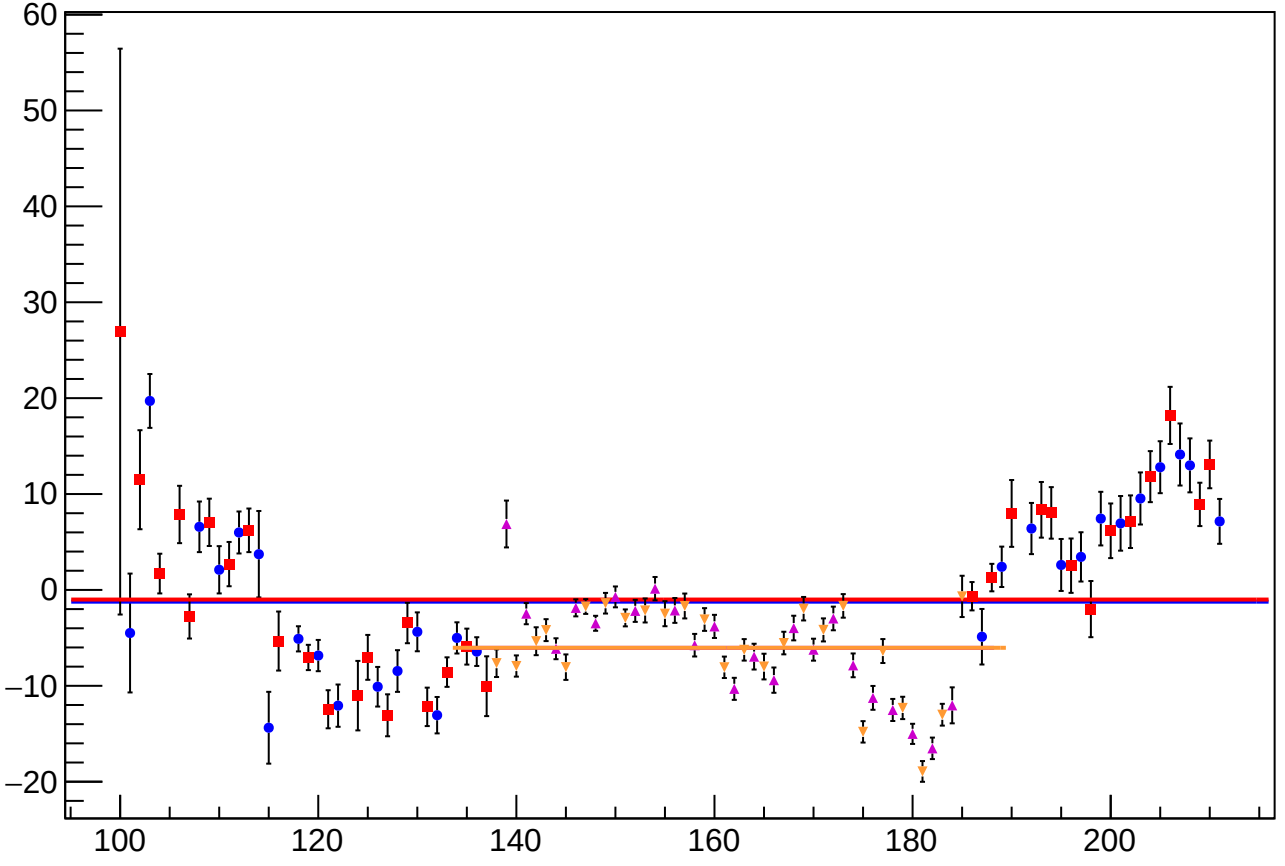
Left In: -0.192+/-0.315 χ^2/NDF:982.8/22

+ sign 1.179+/-0.235 χ^2/NDF: 3999.0/52

All: -0.020+/-0.165 χ^2/NDF: 8190.8/107

- sign -1.179+/-0.231 χ^2/NDF: 4140.4/54

reg_asym_usr_atr1_dd_diff_bpm4aY_slope vs Slug



Right In: -1.224+/-0.429 χ^2/NDF: 363.0/27

Left Out: -6.035+/-0.233 χ^2/NDF:414.9/24

Right Out: -1.005+/-0.402 χ^2/NDF: 377.9/31

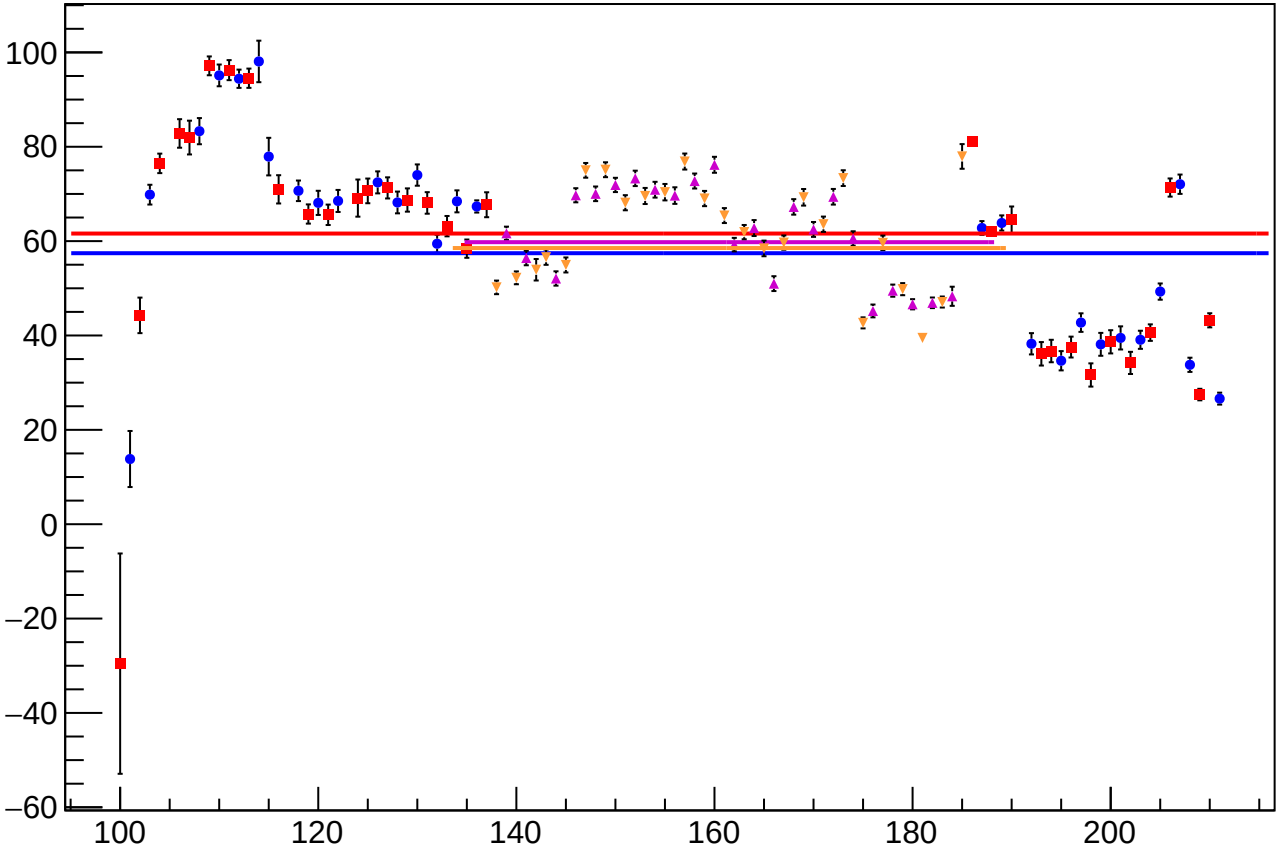
Left In: -6.043+/-0.243 χ^2/NDF:396.2/22

+ sign -4.936+/-0.205 χ^2/NDF: 875.1/52

All: -4.818+/-0.146 χ^2/NDF: 1765.1/107

- sign -4.696+/-0.208 χ^2/NDF: 889.3/54

reg_asym_usr_atr1_dd_diff_bpm4eX_slope vs Slug



Right In: 57.439+/-0.380 χ^2/NDF: 2599.9/27

Left Out: 58.535+/-0.303 χ^2/NDF:1449.2/24

Right Out: 61.606+/-0.340 χ^2/NDF: 3308.2/31

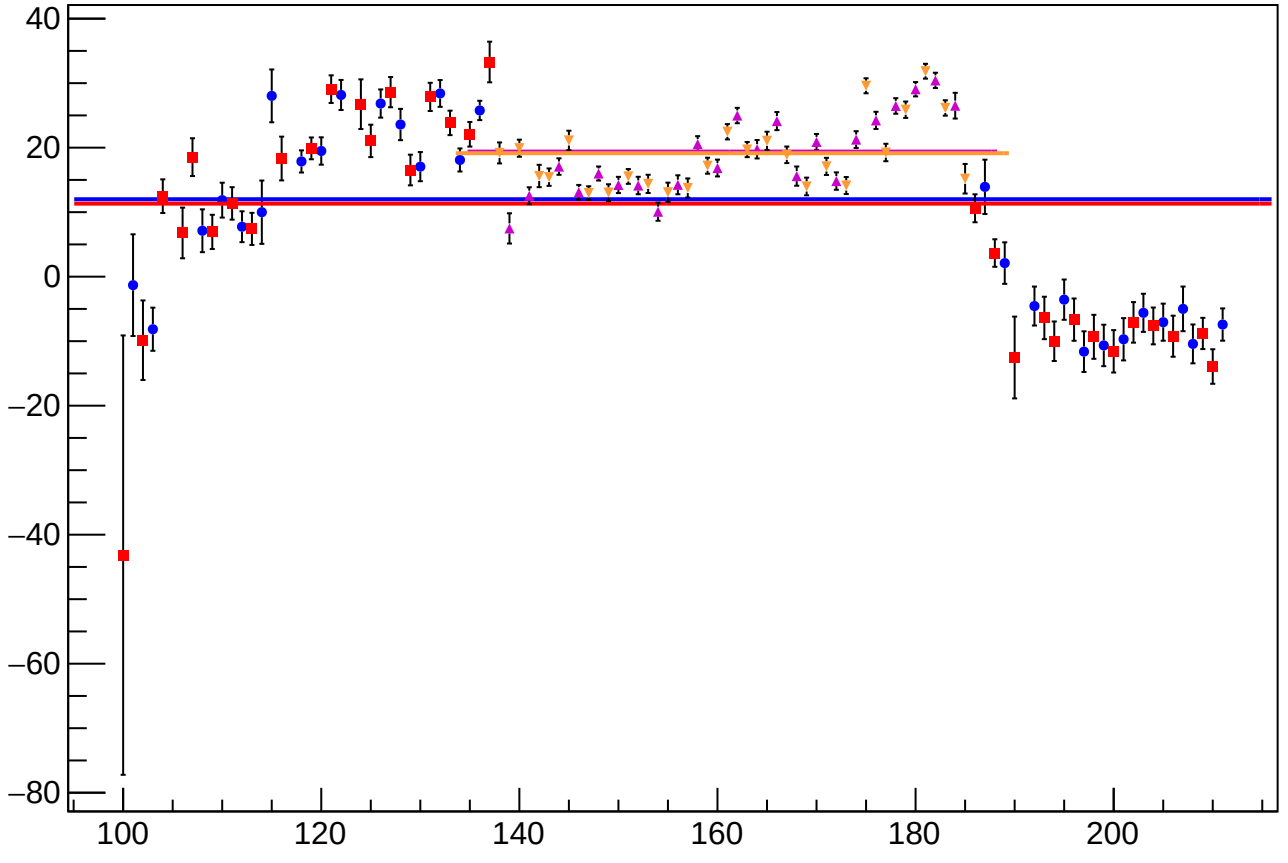
Left In: 59.777+/-0.312 χ^2/NDF:1070.5/22

+ sign 58.109+/-0.237 χ^2/NDF: 4054.2/52

All: 59.398+/-0.165 χ^2/NDF: 8506.1/107

- sign 60.611+/-0.230 χ^2/NDF: 4394.4/54

reg_asym_usr_atr1_dd_diff_bpm4eY_slope vs Slug



Right In: 12.005+/-0.490 χ^2/NDF: 797.9/27

Left Out: 19.138+/-0.264 χ^2/NDF:433.7/24

Right Out: 11.323+/-0.472 χ^2/NDF: 895.2/31

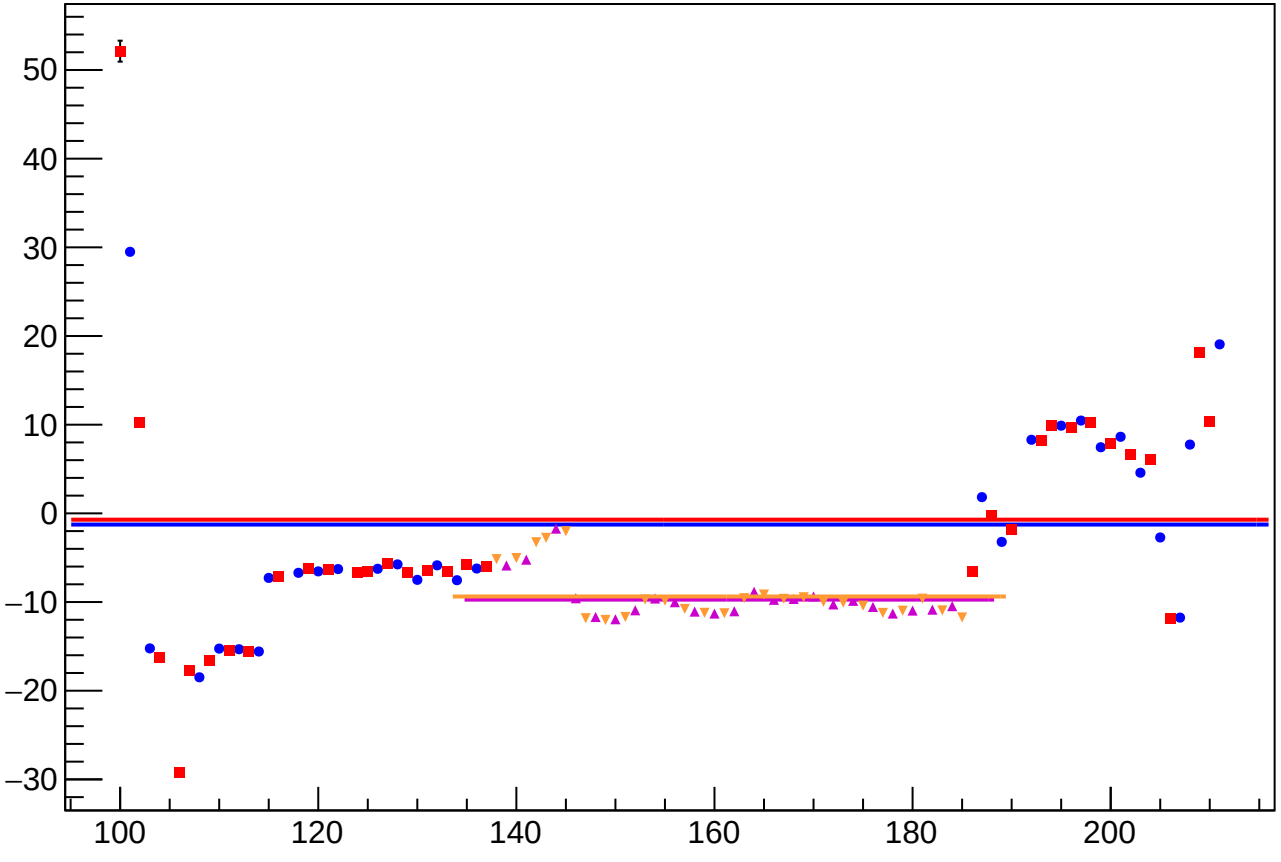
Left In: 19.390+/-0.274 χ^2/NDF:467.7/22

+ sign 17.534+/-0.232 χ^2/NDF: 1395.9/52

All: 17.450+/-0.166 χ^2/NDF: 2977.3/107

- sign 17.364+/-0.237 χ^2/NDF: 1581.2/54

reg_asym_usr_atr1_dd_diff_bpm12X_slope vs Slug



Right In: -1.262+/-0.023 χ^2/NDF: 192707.0/27

Left Out: -9.375+/-0.012 χ^2/NDF:49934.3/24

Right Out: -0.711+/-0.023 χ^2/NDF: 232516.3/31

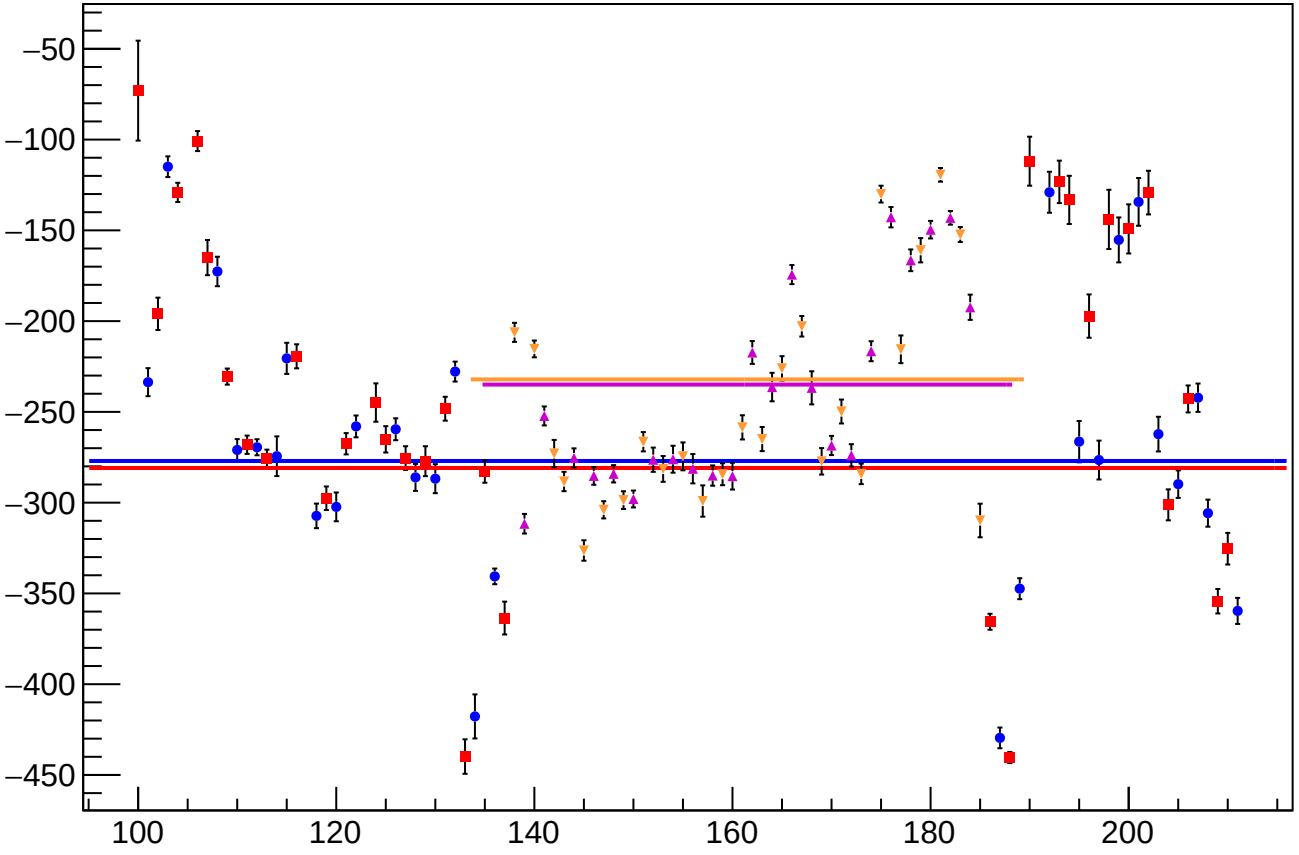
Left In: -9.726+/-0.012 χ^2/NDF:31951.7/22

\+ sign -7.681+/-0.011 χ^2/NDF: 339964.8/52

All: -7.713+/-0.008 χ^2/NDF: 726093.8/107

\- sign -7.746+/-0.011 χ^2/NDF: 386110.2/54

reg_asym_usr_atr2_avg_diff_bpm1X_slope vs Slug



Right In: -277.045+/-1.332 χ^2/NDF: 2955.7/27

Left Out: -232.091+/-1.143 χ^2/NDF:3269.9/24

Right Out: -280.893+/-1.189 χ^2/NDF: 6909.7/31

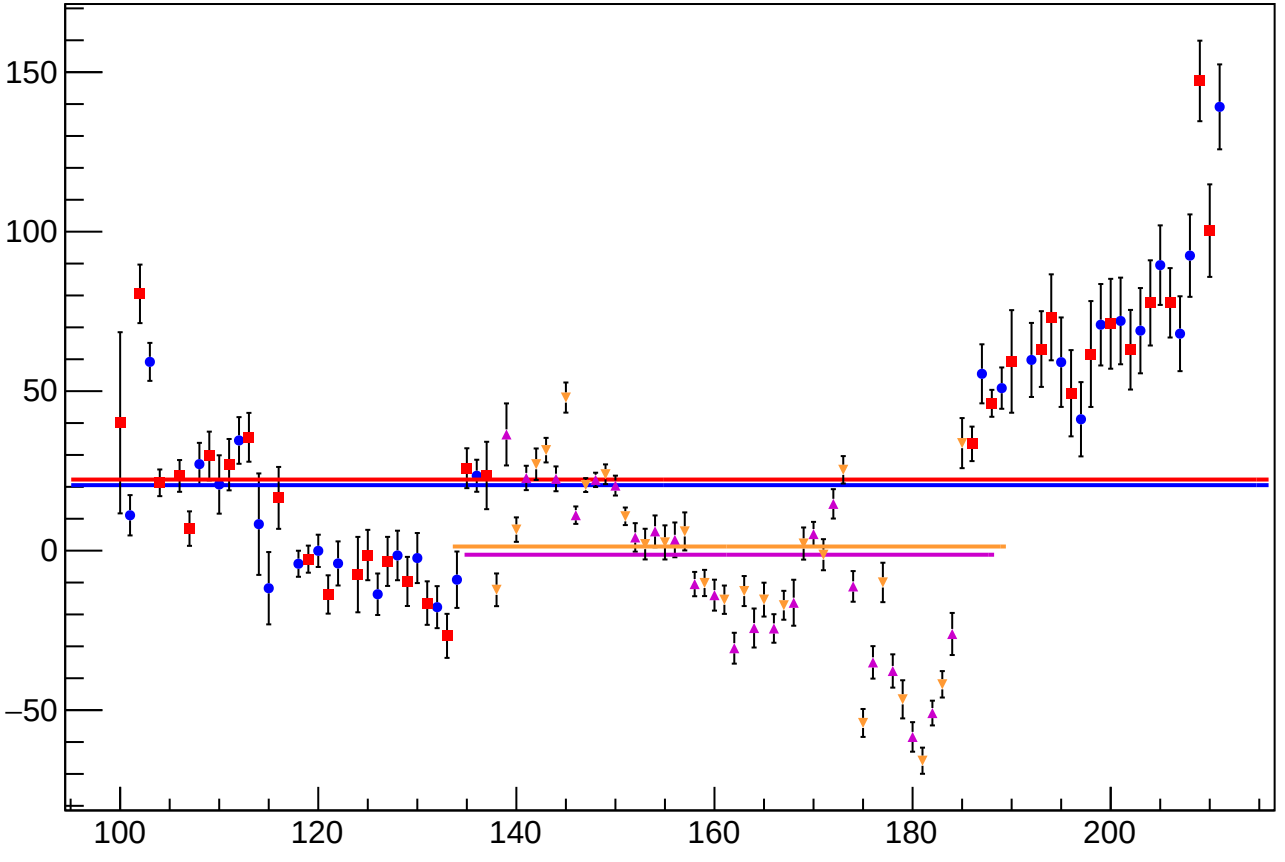
Left In: -234.951+/-1.176 χ^2/NDF:2470.2/22

+ sign -251.151+/-0.867 χ^2/NDF: 6881.5/52

All: -254.530+/-0.602 χ^2/NDF: 17045.7/107

- sign -257.668+/-0.836 χ^2/NDF: 10134.9/54

reg_asym_usr_atr2_avg_diff_bpm4aY_slope vs Slug



Right In: 20.532+/-1.462 χ^2/NDF: 471.5/27

Left Out: 1.295+/-0.837 χ^2/NDF:1049.5/24

Right Out: 22.289+/-1.319 χ^2/NDF: 520.8/31

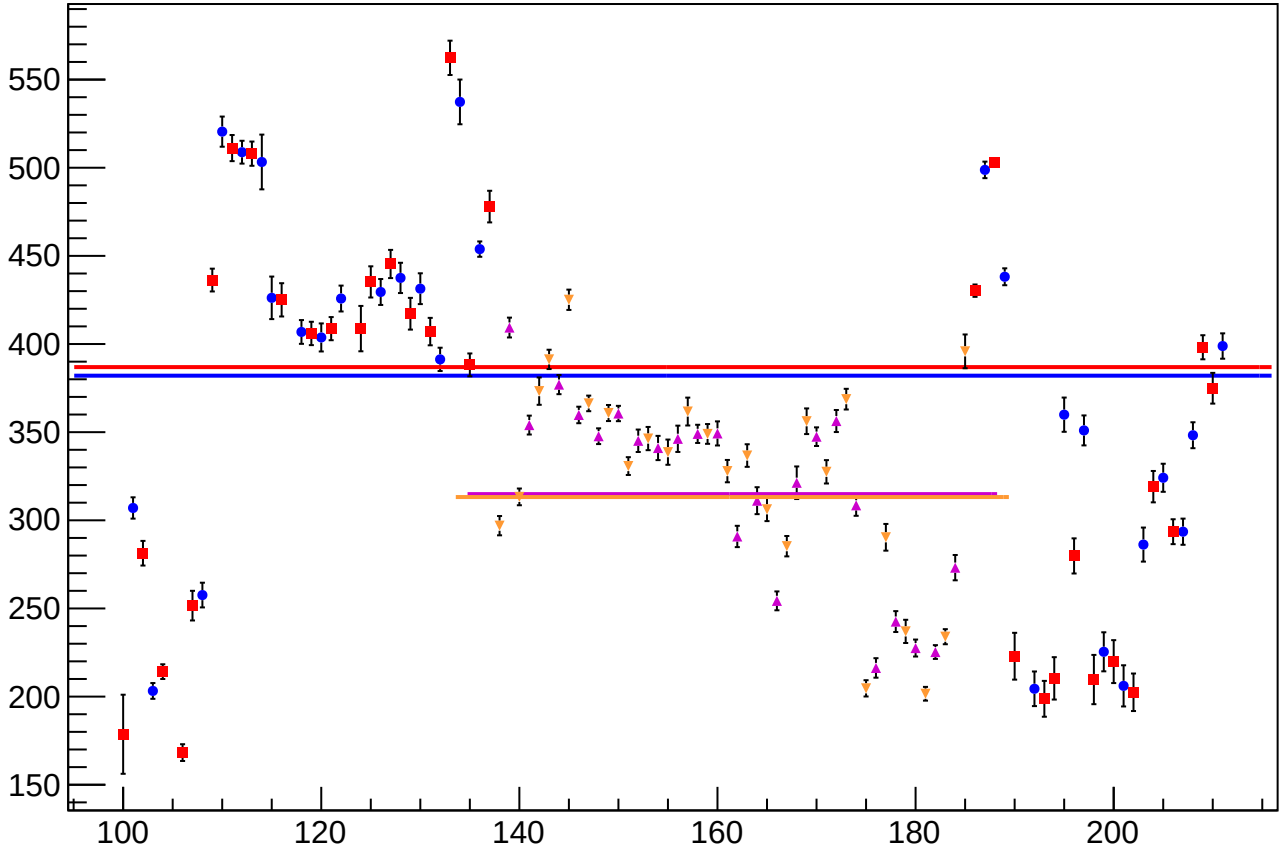
Left In: -1.280+/-0.869 χ^2/NDF:811.2/22

\+ sign 6.042+/-0.726 χ^2/NDF: 1651.4/52

All: 5.947+/-0.513 χ^2/NDF: 3206.1/107

\- sign 5.852+/-0.726 χ^2/NDF: 1554.6/54

reg_asym_usr_atr2_avg_diff_bpm4eX_slope vs Slug



Right In: 382.043+/-1.347 χ^2/NDF: 5226.6/27

Left Out: 313.197+/-1.134 χ^2/NDF:3135.7/24

Right Out: 386.908+/-1.166 χ^2/NDF: 9700.4/31

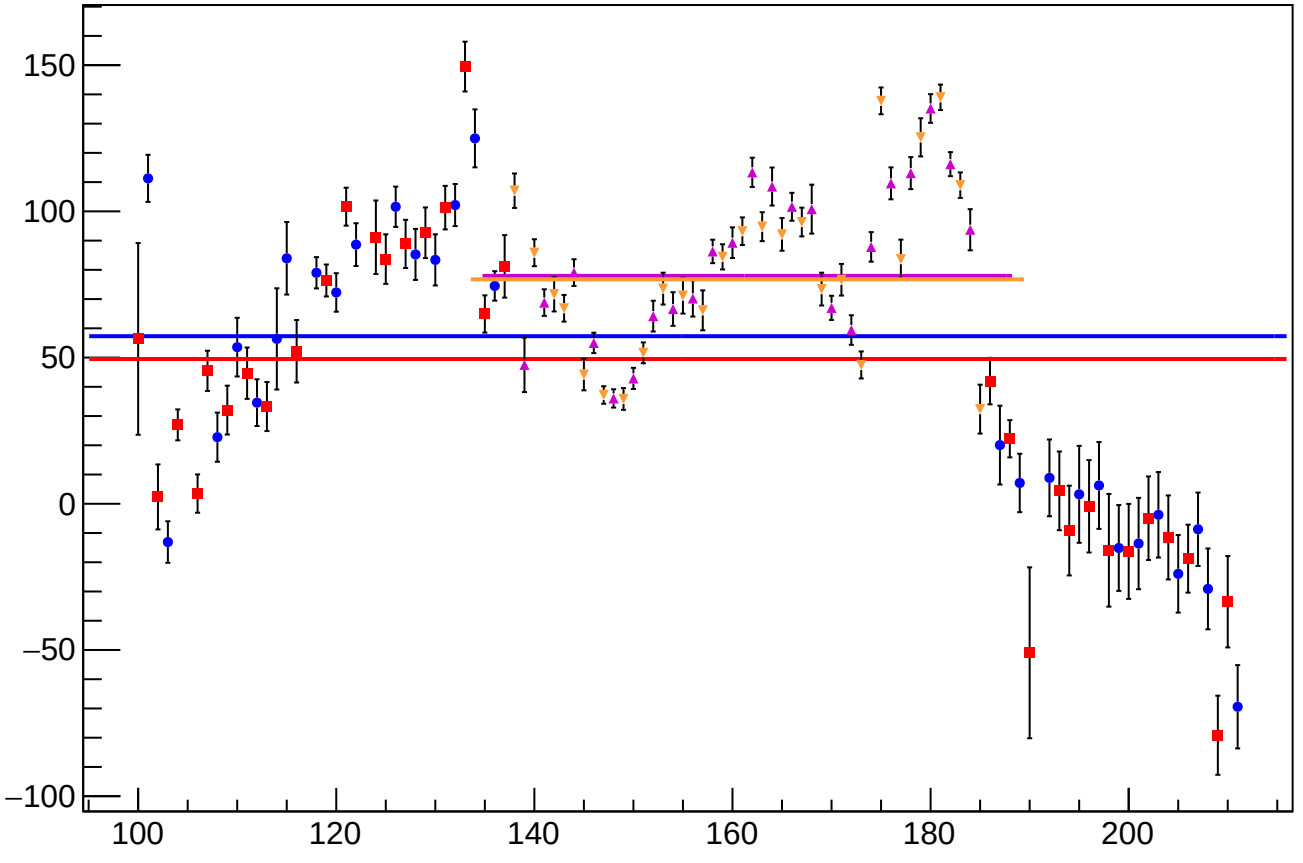
Left In: 314.864+/-1.161 χ^2/NDF:2429.0/22

+ sign 341.752+/-0.867 χ^2/NDF: 9891.2/52

All: 346.489+/-0.597 χ^2/NDF: 23994.1/107

- sign 350.750+/-0.823 χ^2/NDF: 14046.2/54

reg_asym_usr_atr2_avg_diff_bpm4eY_slope vs Slug



Right In: 57.311+/-1.707 χ^2/NDF: 685.3/27

Left Out: 76.758+/-0.967 χ^2/NDF:1035.3/24

Right Out: 49.509+/-1.583 χ^2/NDF: 739.7/31

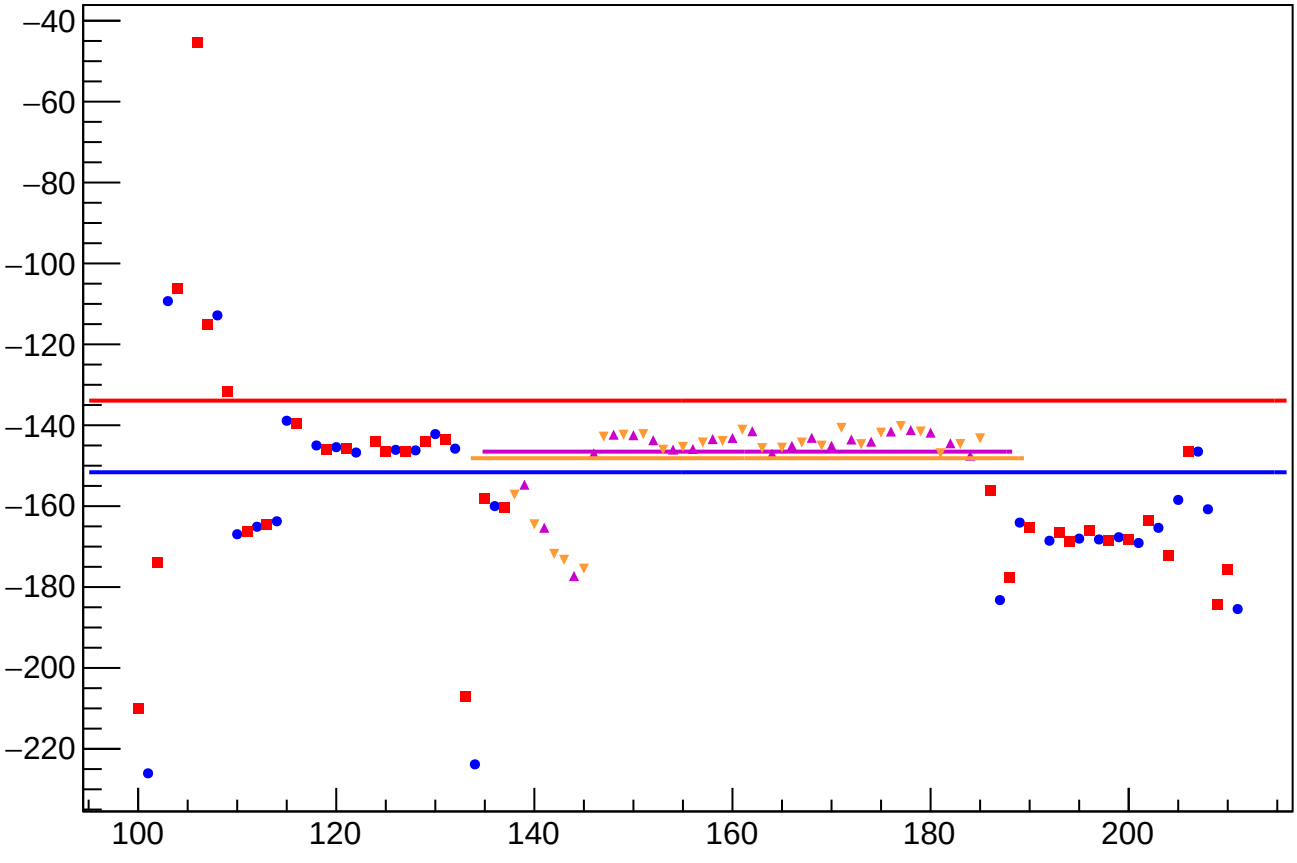
Left In: 77.923+/-0.997 χ^2/NDF:783.8/22

+ sign 72.038+/-0.841 χ^2/NDF: 1818.9/52

All: 70.949+/-0.596 χ^2/NDF: 3576.5/107

- sign 69.855+/-0.844 χ^2/NDF: 1754.3/54

reg_asym_usr_atr2_avg_diff_bpm12X_slope vs Slug



Right In: -151.622+/-0.082 χ^2/NDF: 149155.8/27

Left Out: -148.148+/-0.045 χ^2/NDF:48910.2/24

Right Out: -133.914+/-0.075 χ^2/NDF: 358327.3/31

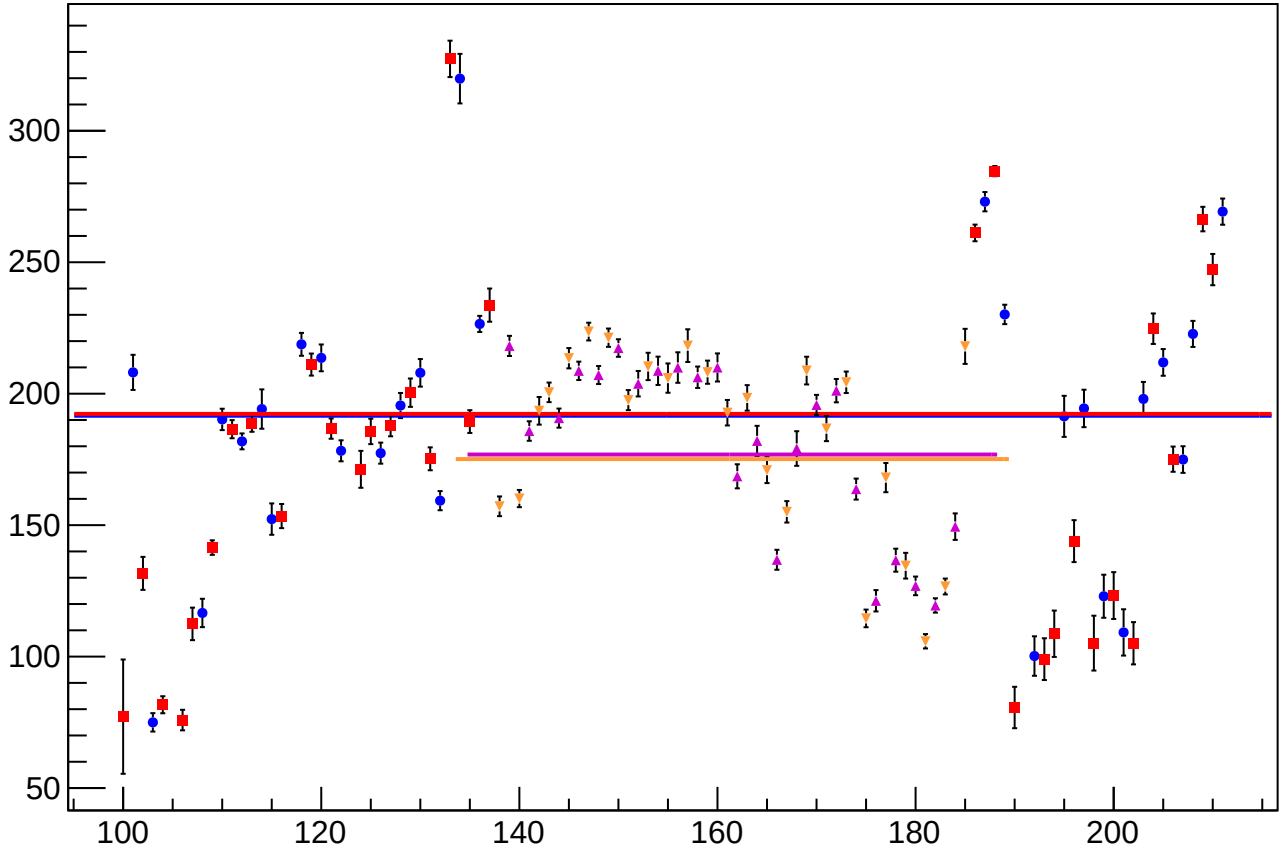
Left In: -146.523+/-0.046 χ^2/NDF:29172.3/22

+ sign -148.958+/-0.039 χ^2/NDF: 199449.8/52

All: -145.987+/-0.028 χ^2/NDF: 618879.5/107

- sign -143.105+/-0.039 χ^2/NDF: 408272.6/54

reg_asym_usr_atr2_dd_diff_bpm1X_slope vs Slug



Right In: 191.626+/-0.892 χ^2/NDF: 3064.4/27

Left Out: 175.126+/-0.822 χ^2/NDF:2295.2/24

Right Out: 192.314+/-0.788 χ^2/NDF: 7078.6/31

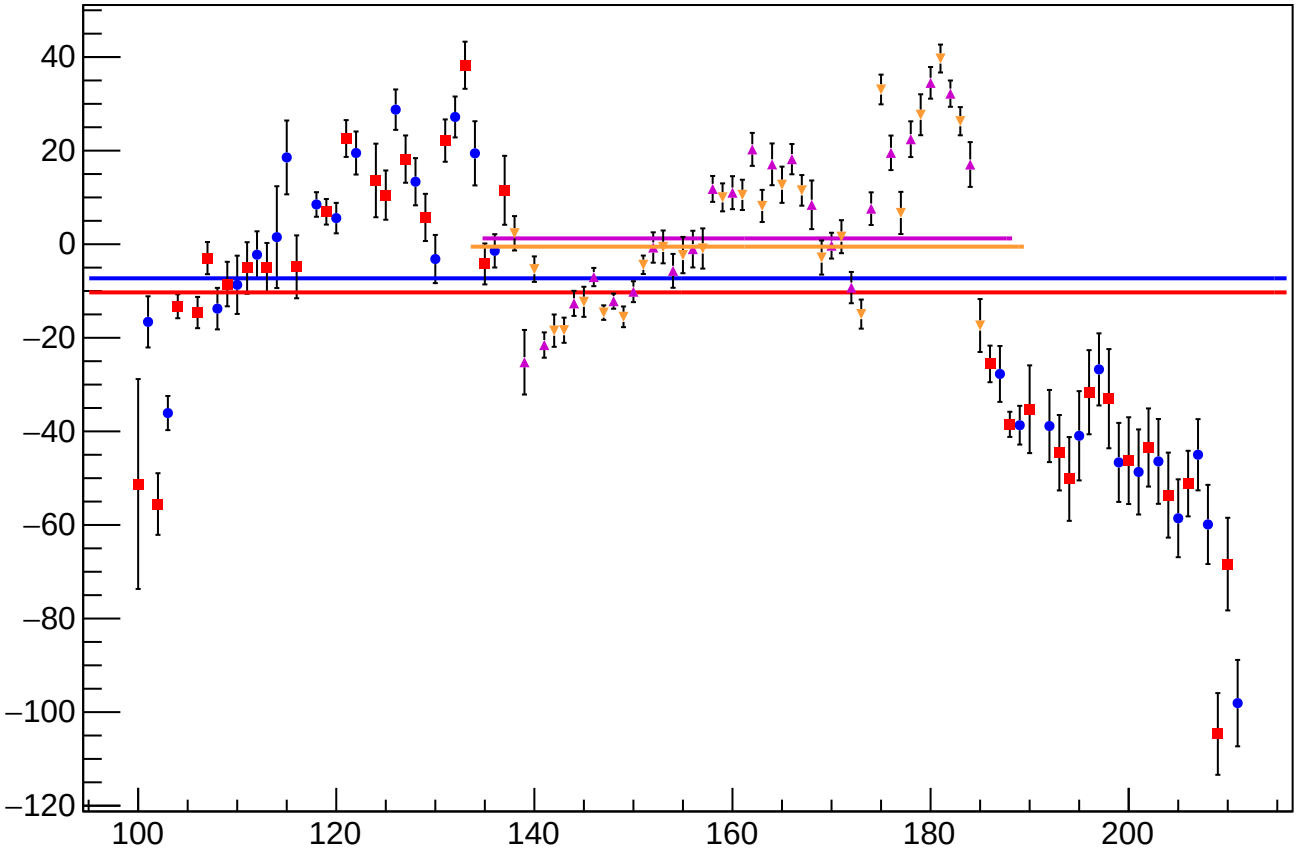
Left In: 176.862+/-0.847 χ^2/NDF:1756.1/22

+ sign 182.699+/-0.605 χ^2/NDF: 5544.5/52

All: 183.979+/-0.417 χ^2/NDF: 14566.2/107

- sign 185.145+/-0.577 χ^2/NDF: 9013.1/54

reg_asym_usr_atr2_dd_diff_bpm4aY_slope vs Slug



Right In: -7.286+/-0.978 χ^2/NDF: 696.4/27

Left Out: -0.523+/-0.601 χ^2/NDF:724.5/24

Right Out: -10.295+/-0.870 χ^2/NDF: 811.6/31

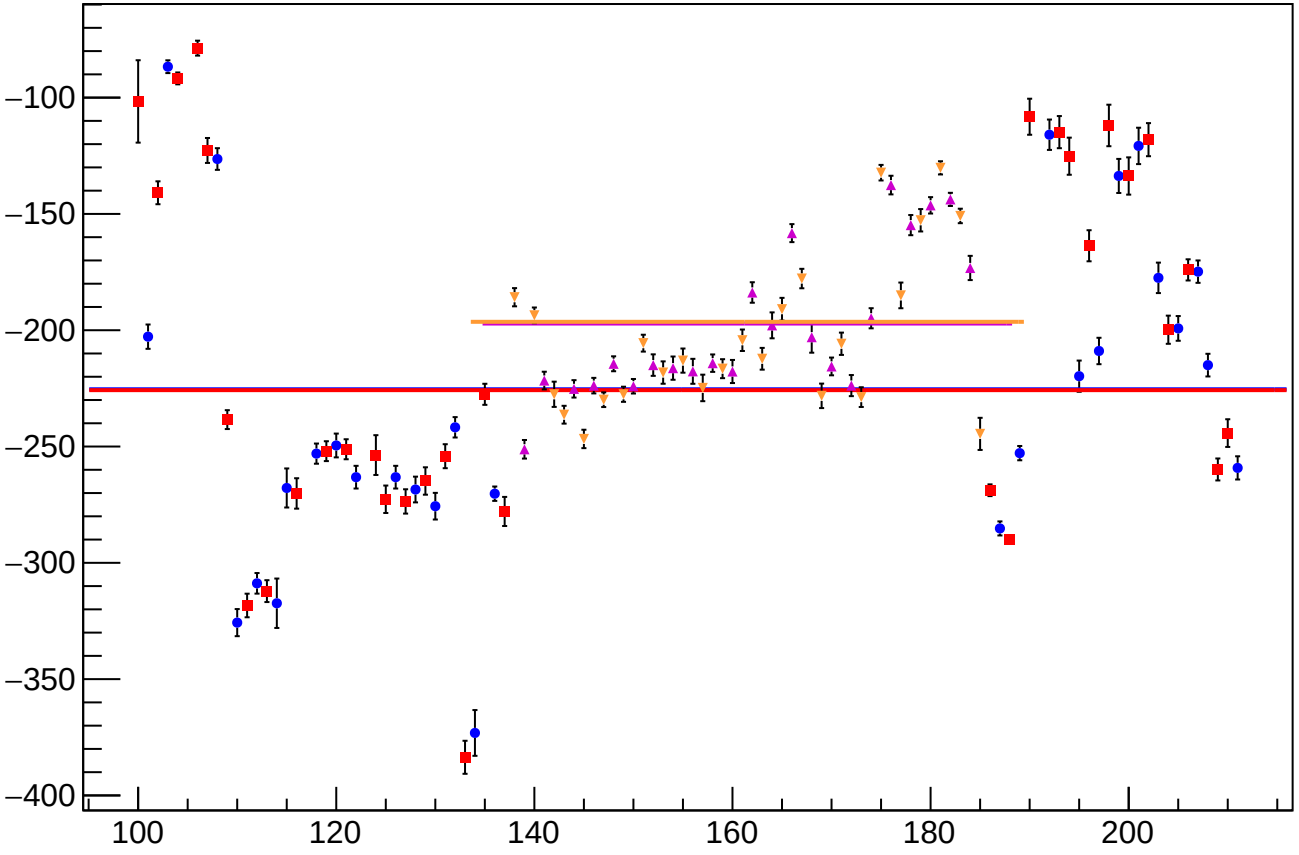
Left In: 1.244+/-0.625 χ^2/NDF:620.6/22

+ sign -2.377+/-0.512 χ^2/NDF: 1455.6/52

All: -2.535+/-0.360 χ^2/NDF: 3004.0/107

- sign -2.690+/-0.508 χ^2/NDF: 1548.2/54

reg_asym_usr_atr2_dd_diff_bpm4eX_slope vs Slug



Right In: -225.389+/-0.900 χ^2/NDF: 5876.3/27

Left Out: -196.380+/-0.816 χ^2/NDF:1997.7/24

Right Out: -225.759+/-0.769 χ^2/NDF: 10617.0/31

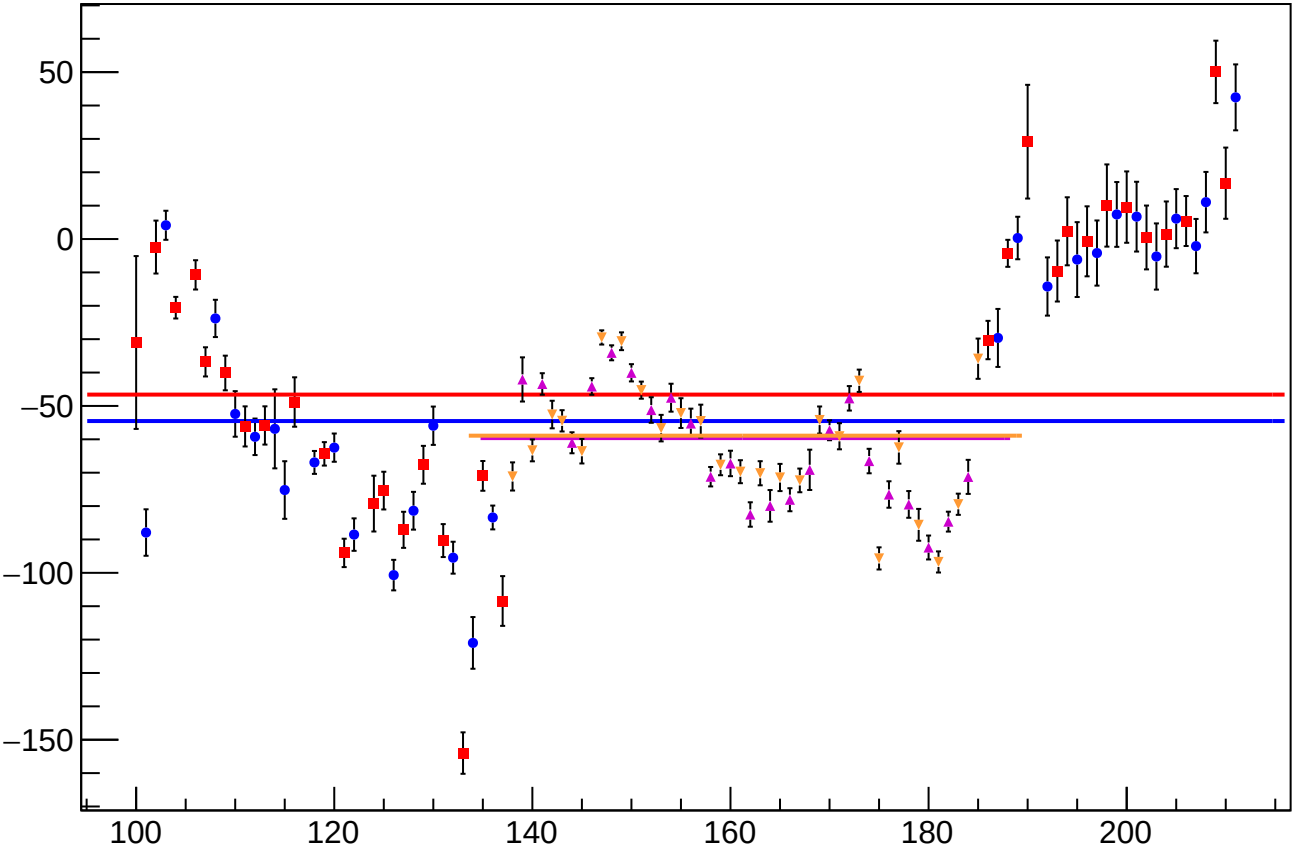
Left In: -197.128+/-0.837 χ^2/NDF:1601.5/22

+ sign -209.470+/-0.604 χ^2/NDF: 8444.7/52

All: -211.160+/-0.413 χ^2/NDF: 21312.2/107

- sign -212.645+/-0.566 χ^2/NDF: 12852.9/54

reg_asym_usr_atr2_dd_diff_bpm4eY_slope vs Slug



Right In: -54.528+/-1.146 χ^2/NDF: 1129.8/27

Left Out: -58.910+/-0.695 χ^2/NDF:782.5/24

Right Out: -46.604+/-1.046 χ^2/NDF: 1395.6/31

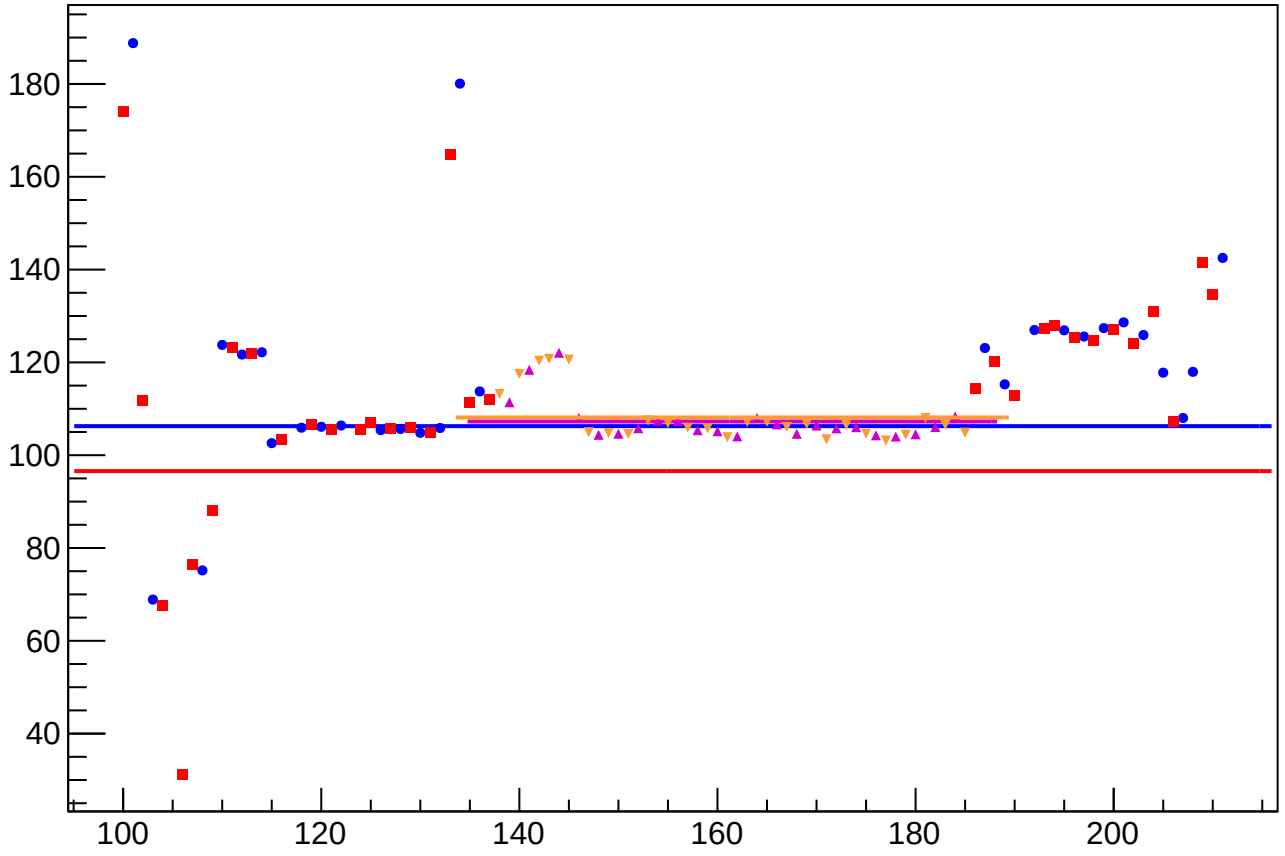
Left In: -59.637+/-0.718 χ^2/NDF:597.0/22

+ sign -57.731+/-0.594 χ^2/NDF: 1923.0/52

All: -56.593+/-0.419 χ^2/NDF: 4028.4/107

- sign -55.462+/-0.592 χ^2/NDF: 2098.1/54

reg_asym_usr_atr2_dd_diff_bpm12X_slope vs Slug



Right In: 106.262+/-0.055 χ^2/NDF: 279702.4/27

Left Out: 108.136+/-0.032 χ^2/NDF:26420.1/24

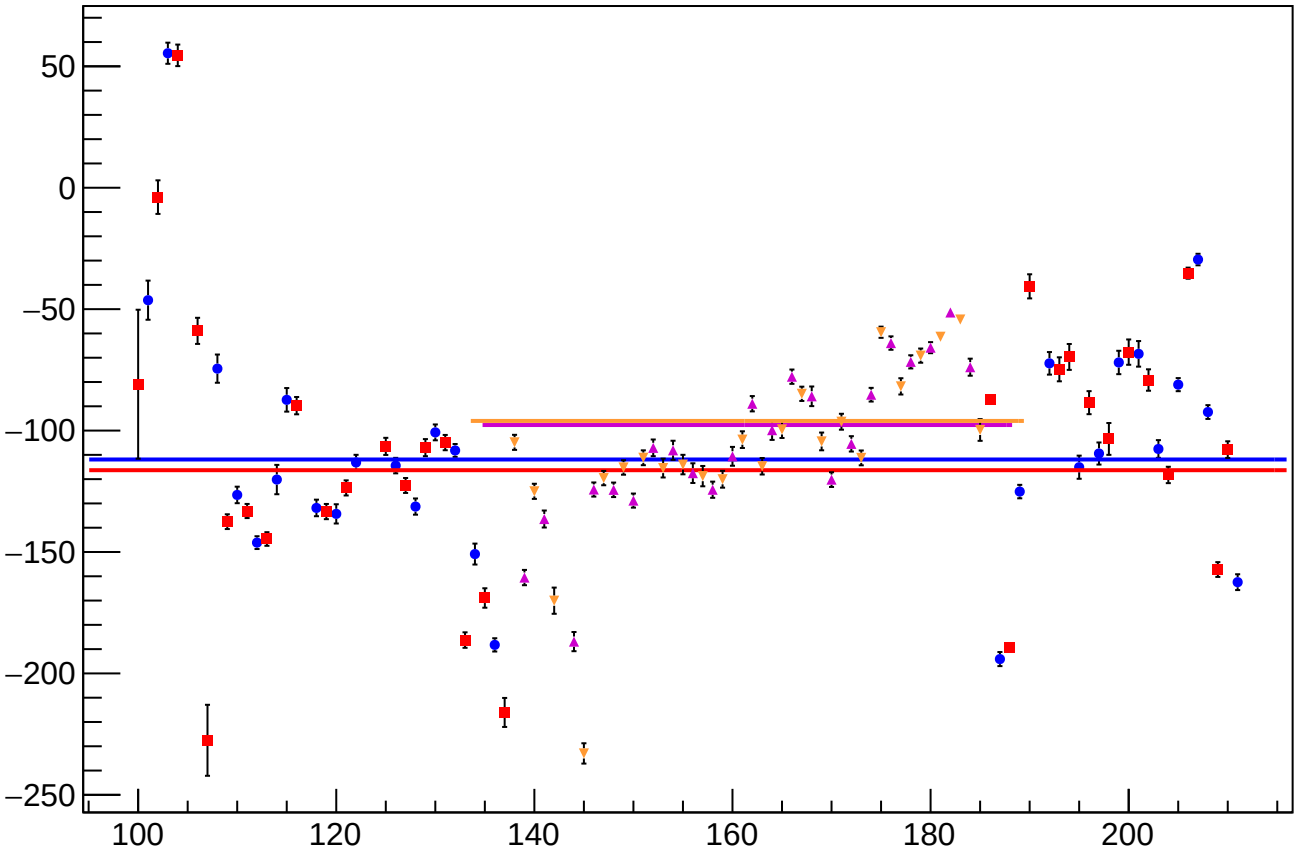
Right Out: 96.572+/-0.050 χ^2/NDF: 404197.4/31

Left In: 107.266+/-0.033 χ^2/NDF:16879.3/22

+ sign 107.647+/-0.028 χ^2/NDF: 306993.2/52

All: 105.837+/-0.020 χ^2/NDF: 767989.4/107

- sign 104.078+/-0.028 χ^2/NDF: 452698.6/54



Right In: -111.905+/-0.654 χ^2/NDF: 5436.8/27

Left Out: -96.026+/-0.635 χ^2/NDF:2770.9/23

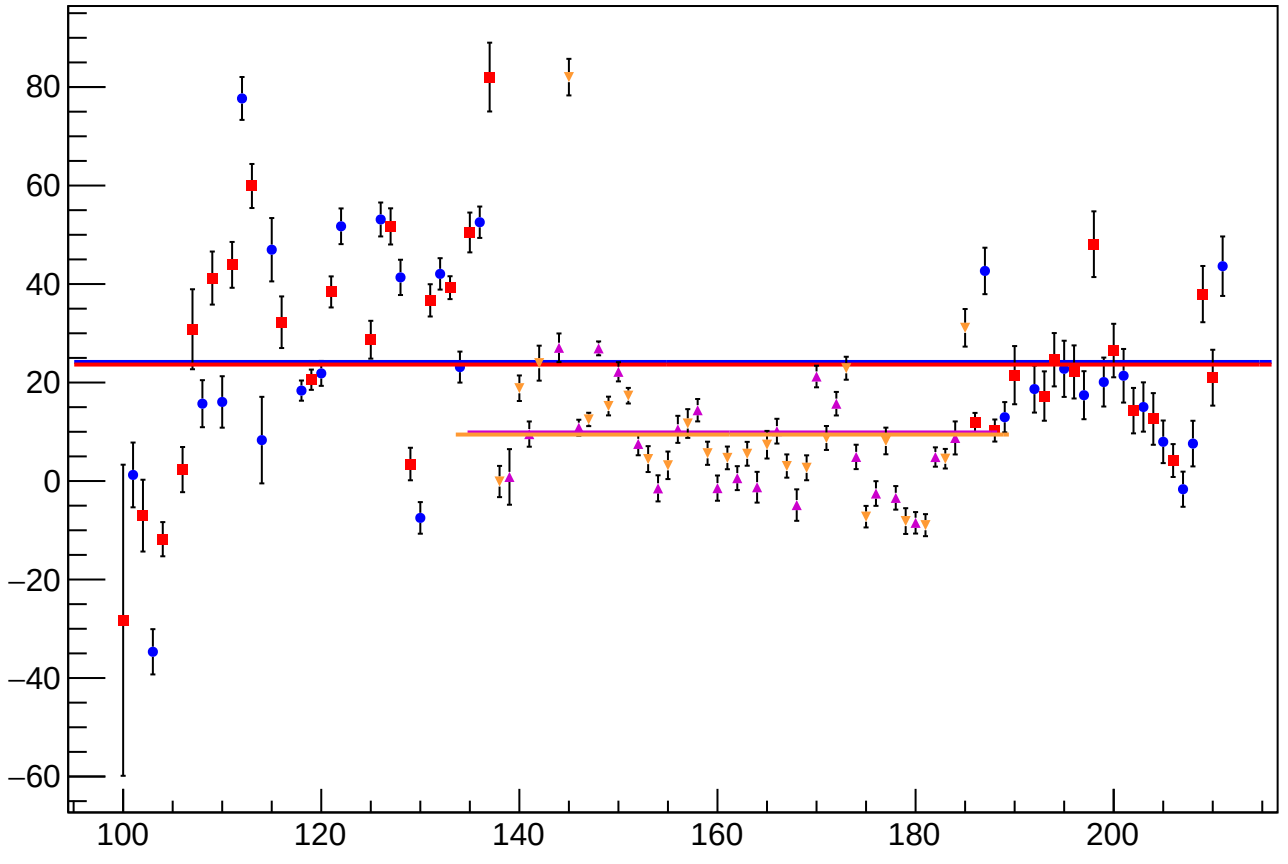
Right Out: -116.314+/-0.598 χ^2/NDF: 7502.8/30

Left In: -97.713+/-0.639 χ^2/NDF:2640.9/22

\+ sign -103.726+/-0.456 χ^2/NDF: 8511.0/51

All: -105.756+/-0.315 χ^2/NDF: 19144.7/105

\- sign -107.619+/-0.437 χ^2/NDF: 10595.6/53



Right In: 24.176+/-0.734 χ^2/NDF: 842.9/27

Left Out: 9.438+/-0.478 χ^2/NDF:736.4/23

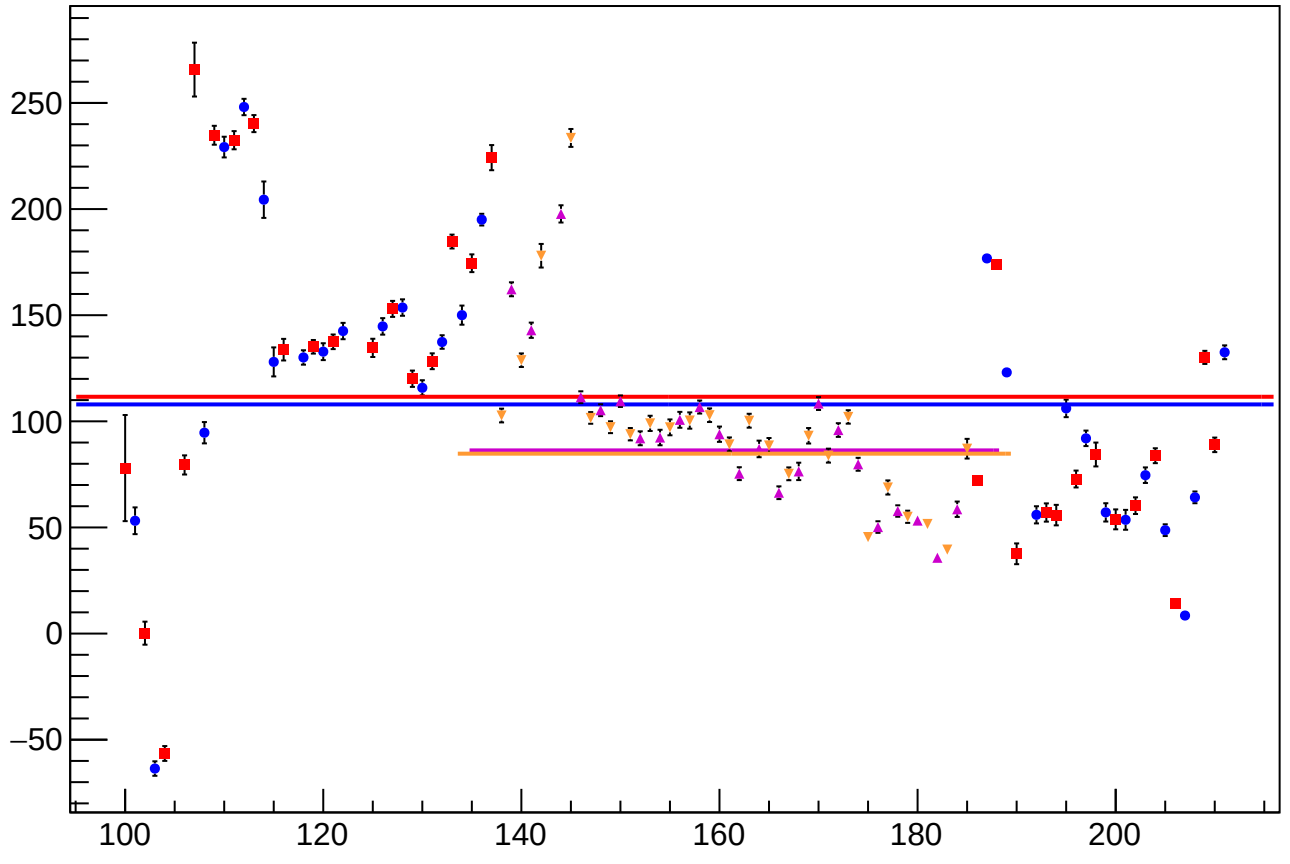
Right Out: 23.651+/-0.685 χ^2/NDF: 675.9/30

Left In: 9.864+/-0.487 χ^2/NDF:485.4/22

+ sign 13.825+/-0.401 χ^2/NDF: 1862.2/51

All: 14.161+/-0.282 χ^2/NDF: 3294.2/105

- sign 14.490+/-0.397 χ^2/NDF: 1430.6/53



Right In: 107.963+/-0.662 χ^2/NDF: 10369.0/27

Left Out: 84.759+/-0.629 χ^2/NDF:3110.5/23

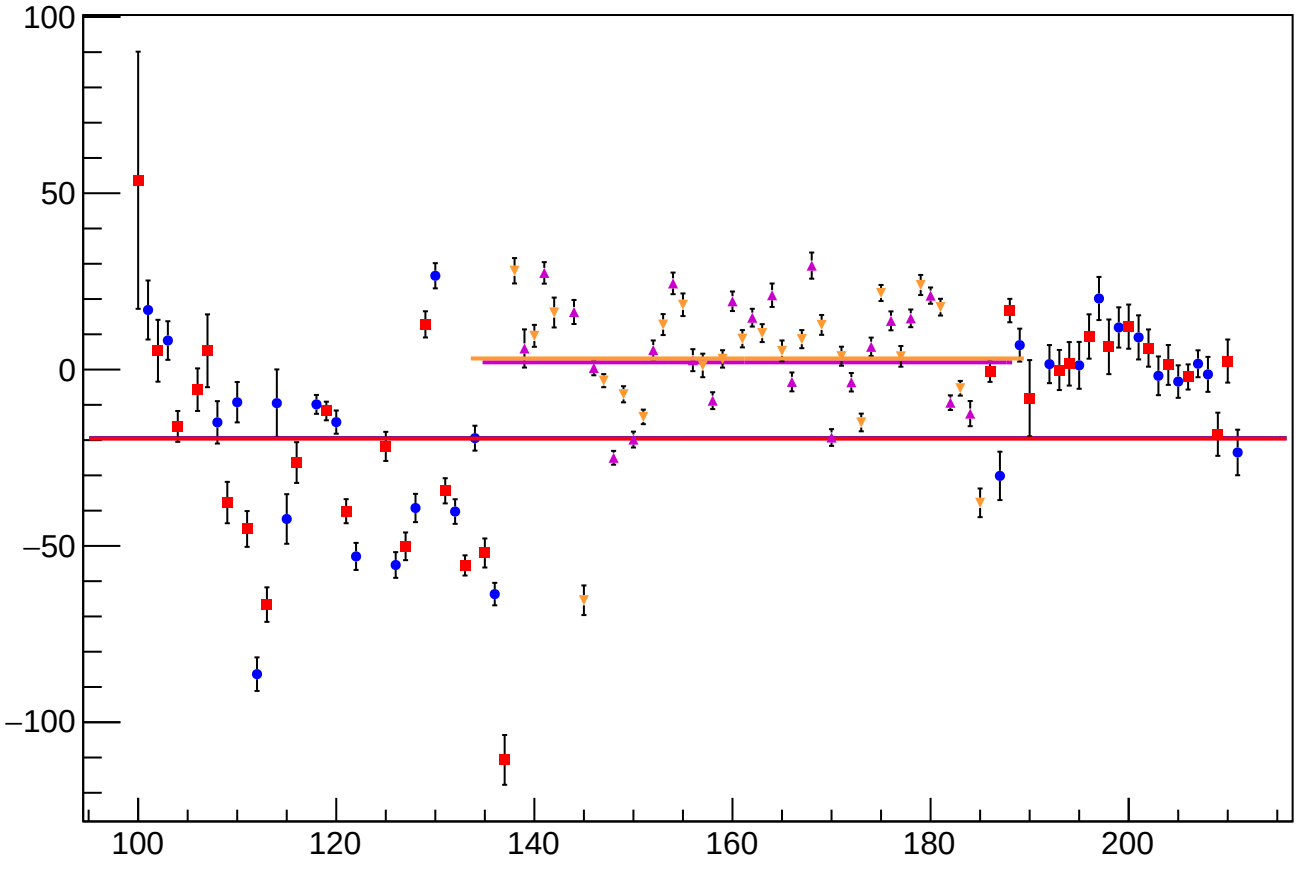
Right Out: 111.569+/-0.579 χ^2/NDF: 13179.2/30

Left In: 86.300+/-0.632 χ^2/NDF:3152.8/22

\+ sign 95.765+/-0.456 χ^2/NDF: 14124.7/51

All: 98.047+/-0.312 χ^2/NDF: 31373.5/105

\- sign 100.043+/-0.427 χ^2/NDF: 17201.9/53



Right In: -19.449+/-0.852 χ^2/NDF: 1082.9/27

Left Out: 3.151+/-0.544 χ^2/NDF:813.9/23

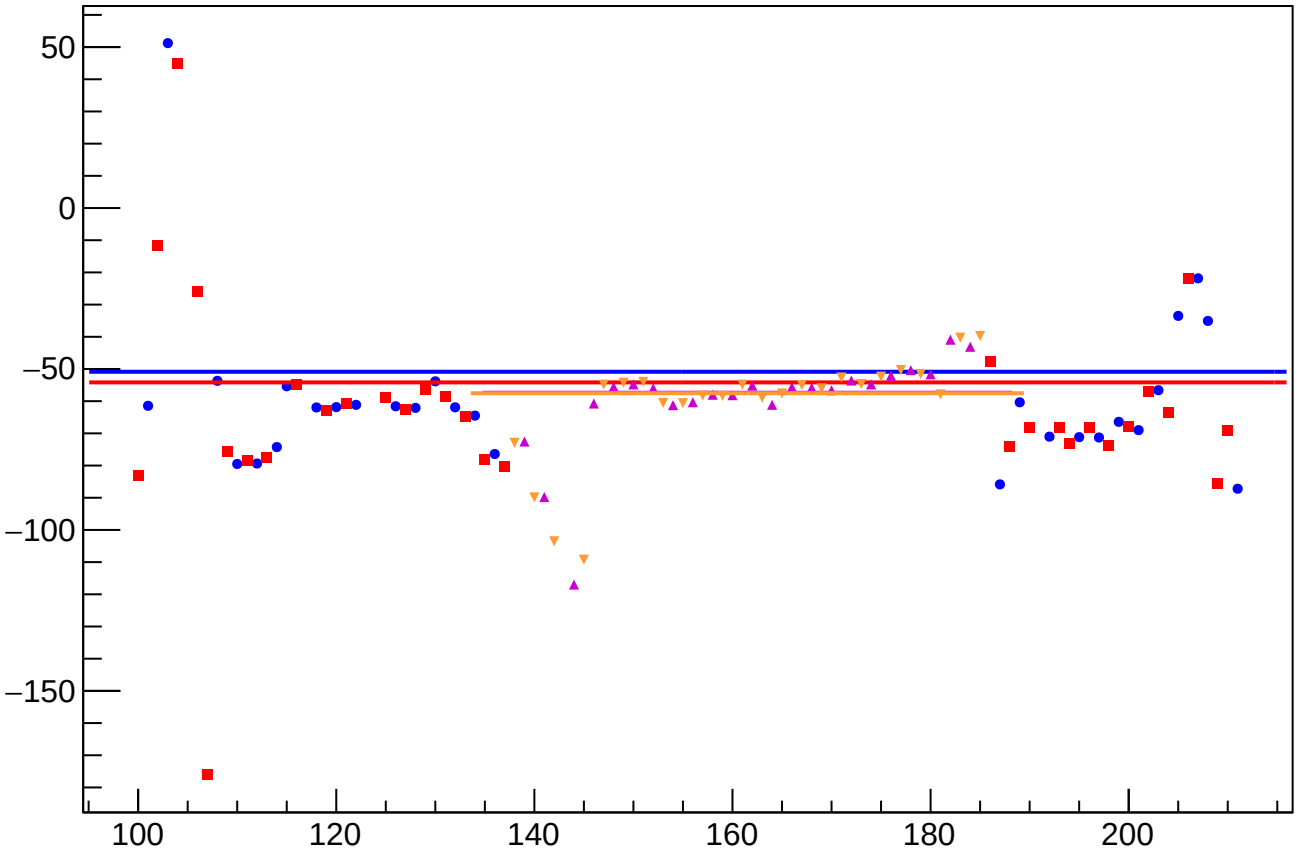
Right Out: -19.558+/-0.821 χ^2/NDF: 1055.5/30

Left In: 2.050+/-0.551 χ^2/NDF:850.8/22

\+ sign -3.390+/-0.458 χ^2/NDF: 2396.8/51

All: -4.025+/-0.324 χ^2/NDF: 4784.3/105

\- sign -4.657+/-0.458 χ^2/NDF: 2383.6/53



Right In: -50.862+/-0.041 χ^2/NDF: 718283.5/27

Left Out: -57.532+/-0.025 χ^2/NDF:267030.7/23

Right Out: -54.164+/-0.041 χ^2/NDF: 635105.9/30

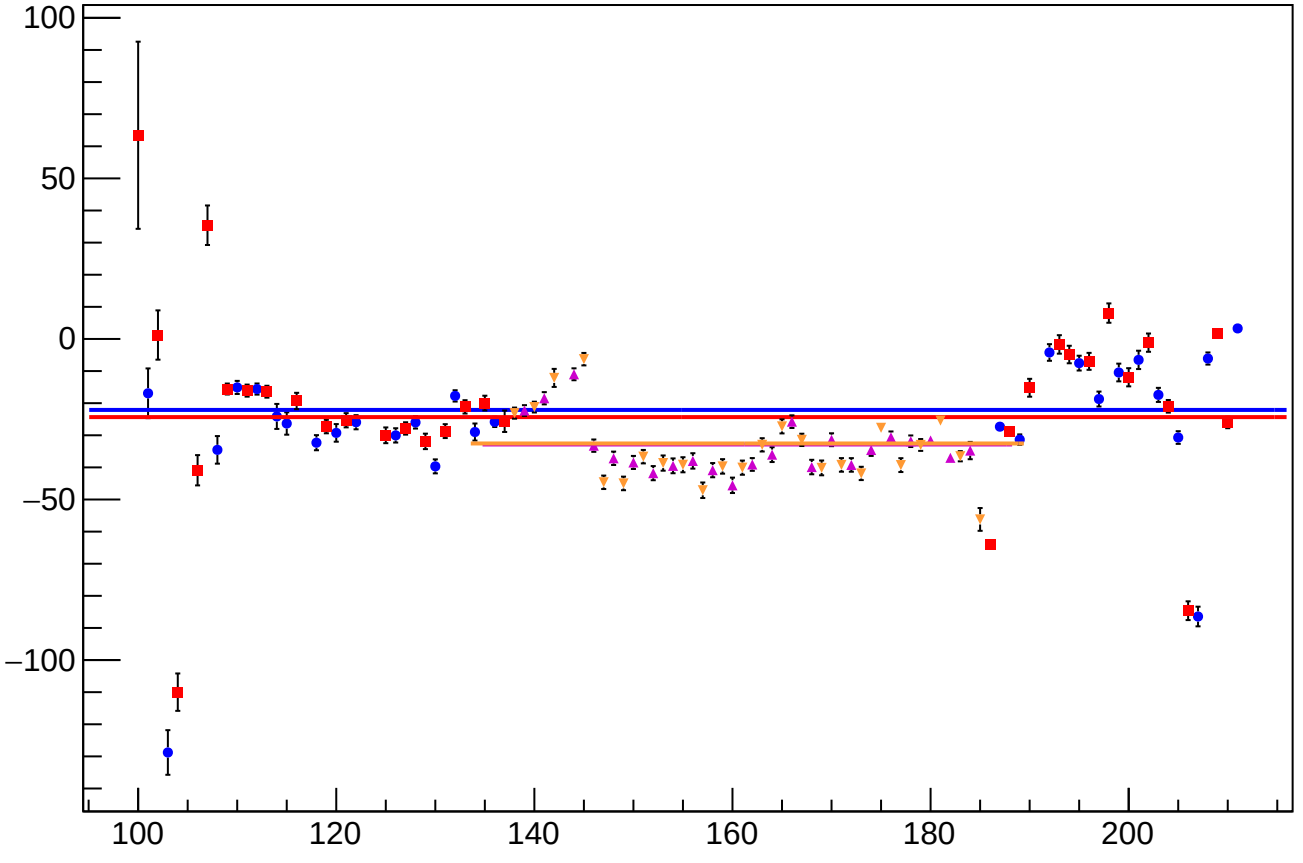
Left In: -57.377+/-0.025 χ^2/NDF:227136.8/22

+ sign -55.748+/-0.021 χ^2/NDF: 1004717.5/51

All: -56.130+/-0.015 χ^2/NDF: 1872147.6/105

- sign -56.511+/-0.021 χ^2/NDF: 866780.7/53

reg_asym_us_avg_at1lr_avg_dd_diff_bpm1X_slope vs Slug



Right In: -22.102+/-0.416 χ^2/NDF: 1389.8/27

Left Out: -32.549+/-0.407 χ^2/NDF:603.6/23

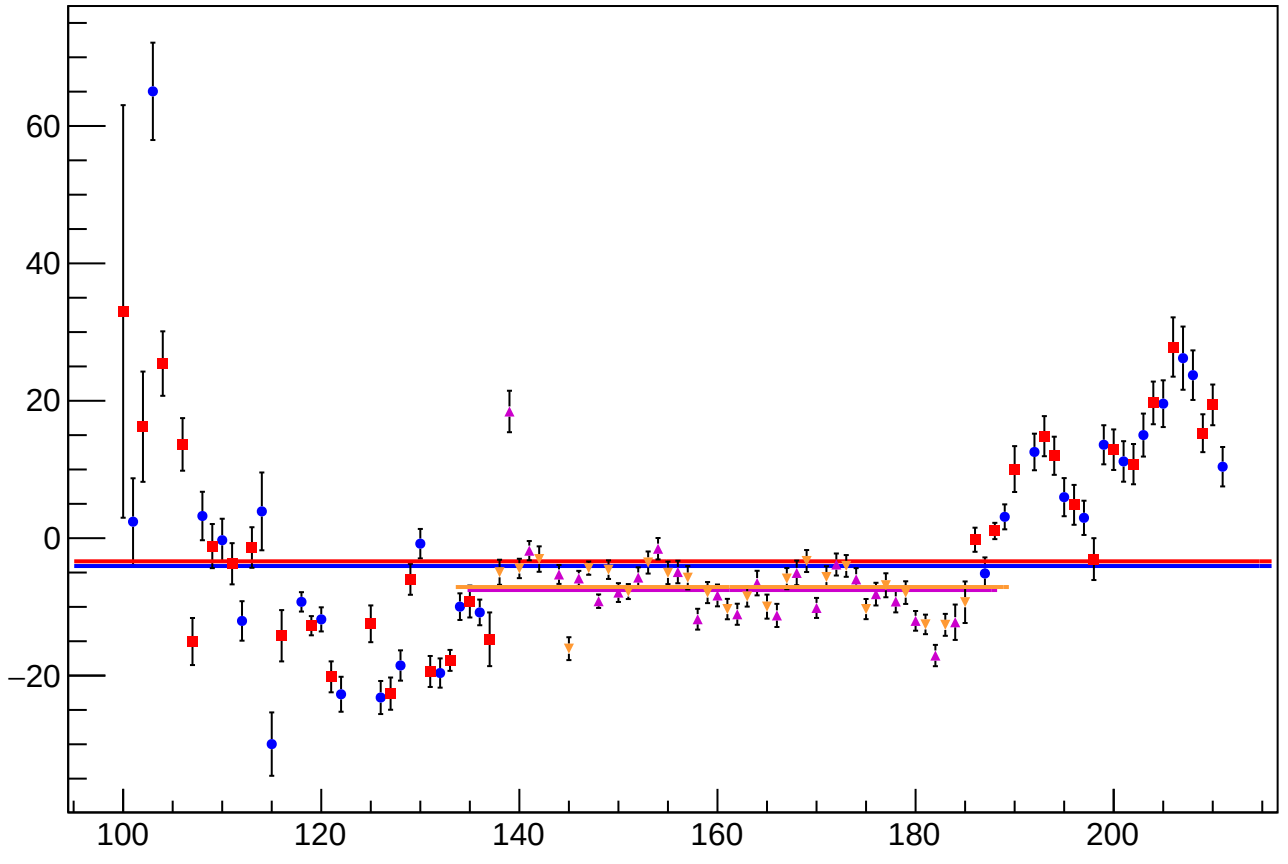
Right Out: -24.338+/-0.381 χ^2/NDF: 2366.5/30

Left In: -32.867+/-0.411 χ^2/NDF:373.2/22

+ sign -27.443+/-0.291 χ^2/NDF: 2316.1/51

All: -27.877+/-0.202 χ^2/NDF: 5291.4/105

- sign -28.278+/-0.280 χ^2/NDF: 2971.0/53



Right In: -4.054+/-0.478 χ^2/NDF: 768.8/27

Left Out: -7.110+/-0.309 χ^2/NDF:109.5/23

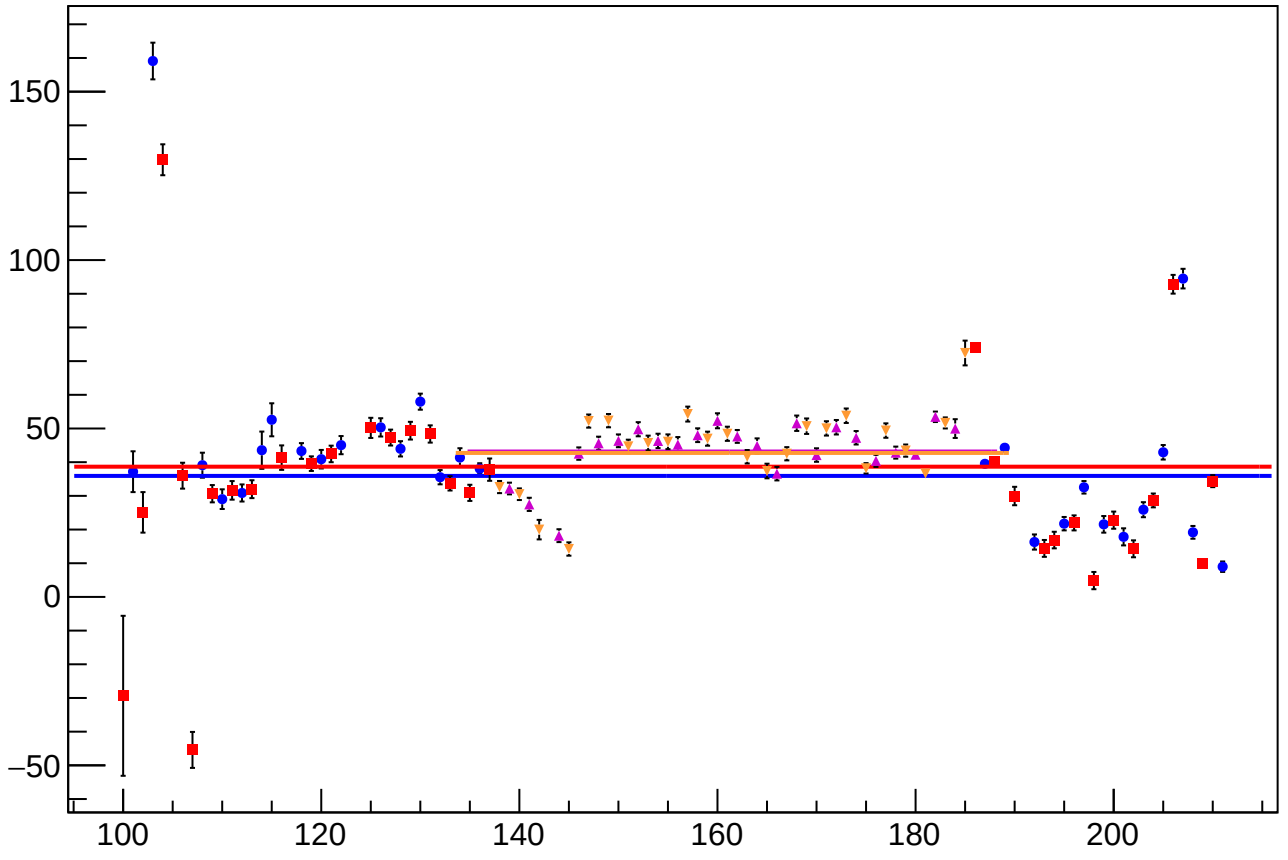
Right Out: -3.367+/-0.450 χ^2/NDF: 798.2/30

Left In: -7.547+/-0.315 χ^2/NDF:199.7/22

+ sign -6.209+/-0.260 χ^2/NDF: 907.1/51

All: -6.189+/-0.183 χ^2/NDF: 1963.0/105

- sign -6.170+/-0.258 χ^2/NDF: 1055.9/53



Right In: 35.926+/-0.418 χ^2/NDF: 1769.5/27

Left Out: 42.745+/-0.403 χ^2/NDF:631.5/23

Right Out: 38.664+/-0.369 χ^2/NDF: 3071.9/30

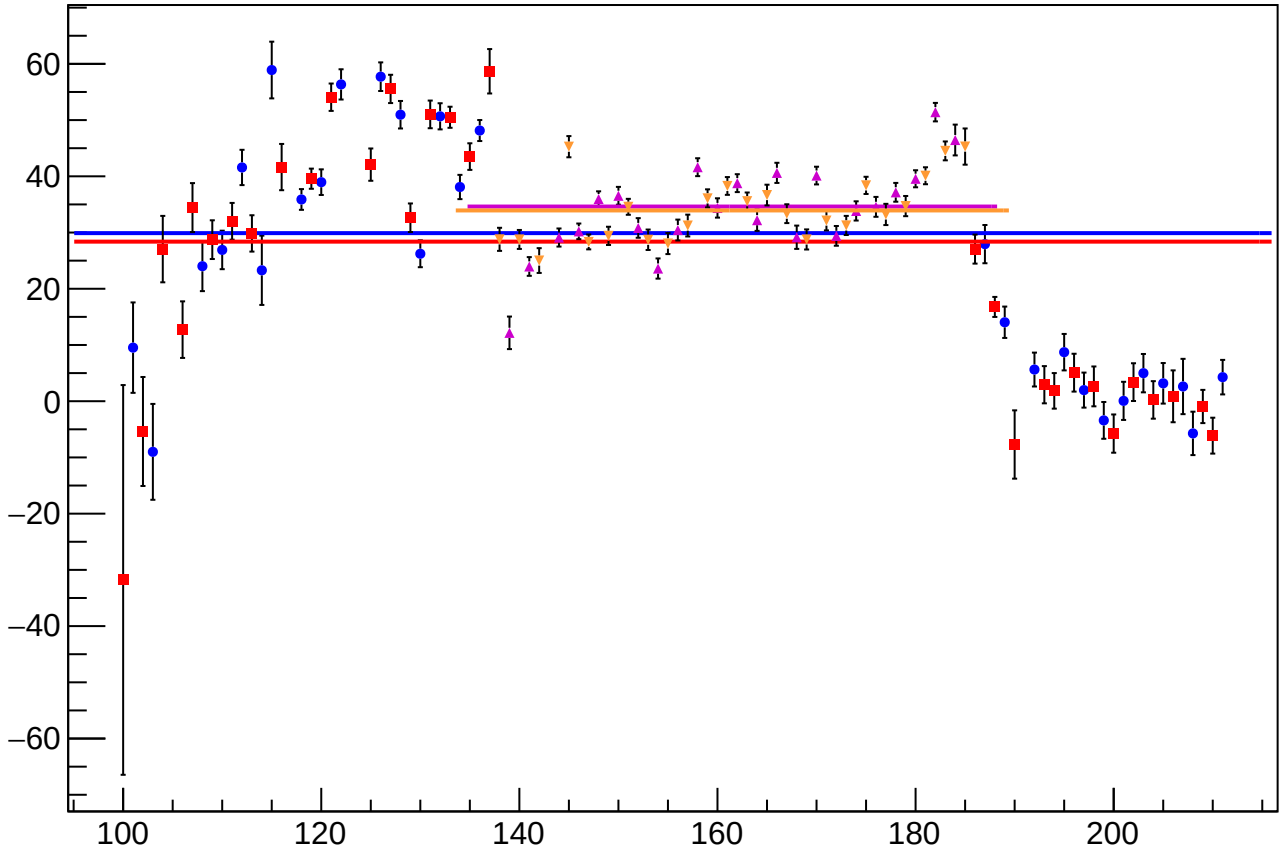
Left In: 43.169+/-0.407 χ^2/NDF:413.0/22

+ sign 39.456+/-0.290 χ^2/NDF: 2538.9/51

All: 40.113+/-0.199 χ^2/NDF: 6100.7/105

- sign 40.698+/-0.274 χ^2/NDF: 3552.0/53

reg_asym_us_avg_at1lr_avg_dd_diff_bpm4eY_slope vs Slug



Right In: 29.896+/-0.557 χ^2/NDF: 1281.7/27

Left Out: 33.930+/-0.351 χ^2/NDF:216.5/23

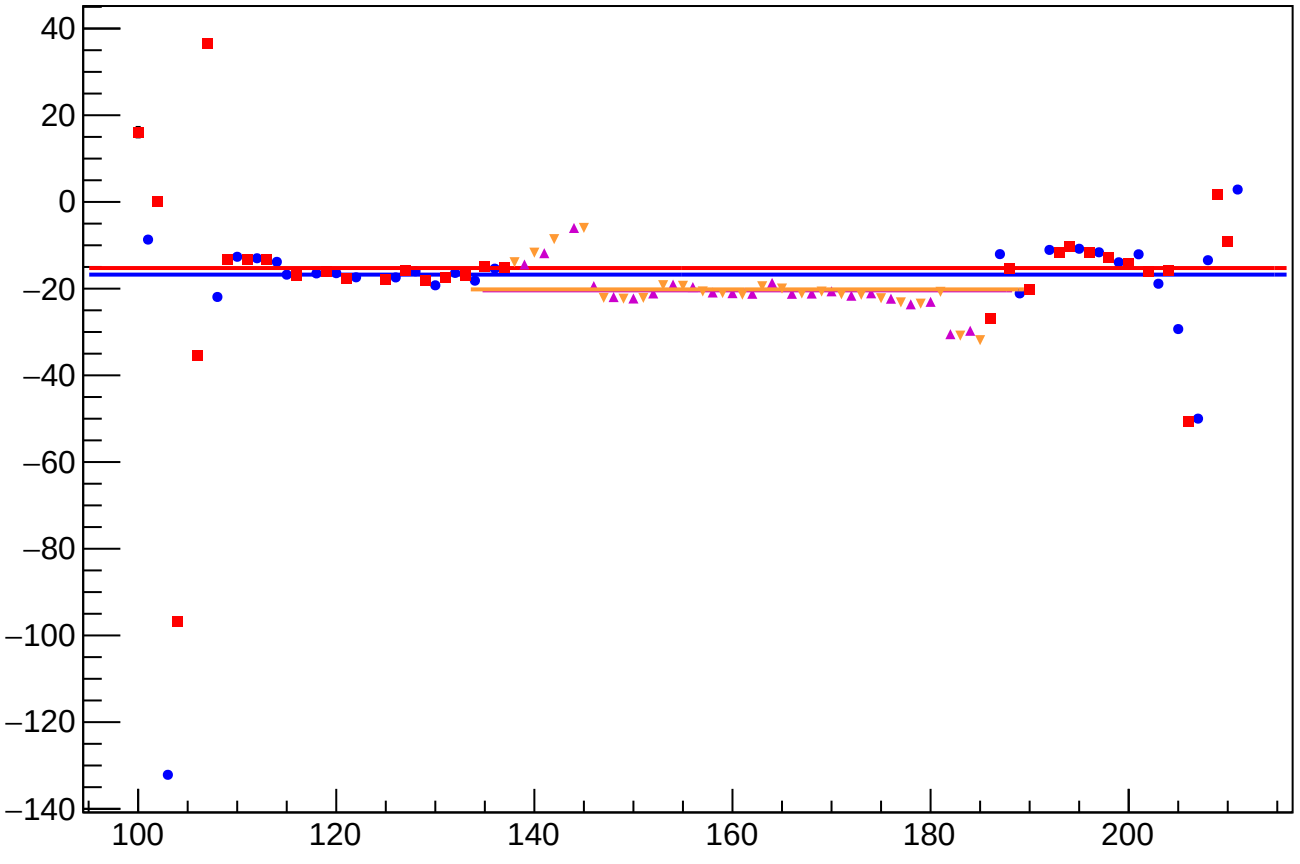
Right Out: 28.381+/-0.539 χ^2/NDF: 1441.3/30

Left In: 34.623+/-0.356 χ^2/NDF:376.1/22

+ sign 32.785+/-0.297 χ^2/NDF: 1535.7/51

All: 32.754+/-0.210 χ^2/NDF: 3446.6/105

- sign 32.723+/-0.297 χ^2/NDF: 1910.8/53



Right In: -16.765+/-0.027 χ^2/NDF: 323822.9/27

Left Out: -20.174+/-0.016 χ^2/NDF:99947.2/23

Right Out: -15.248+/-0.026 χ^2/NDF: 274500.8/30

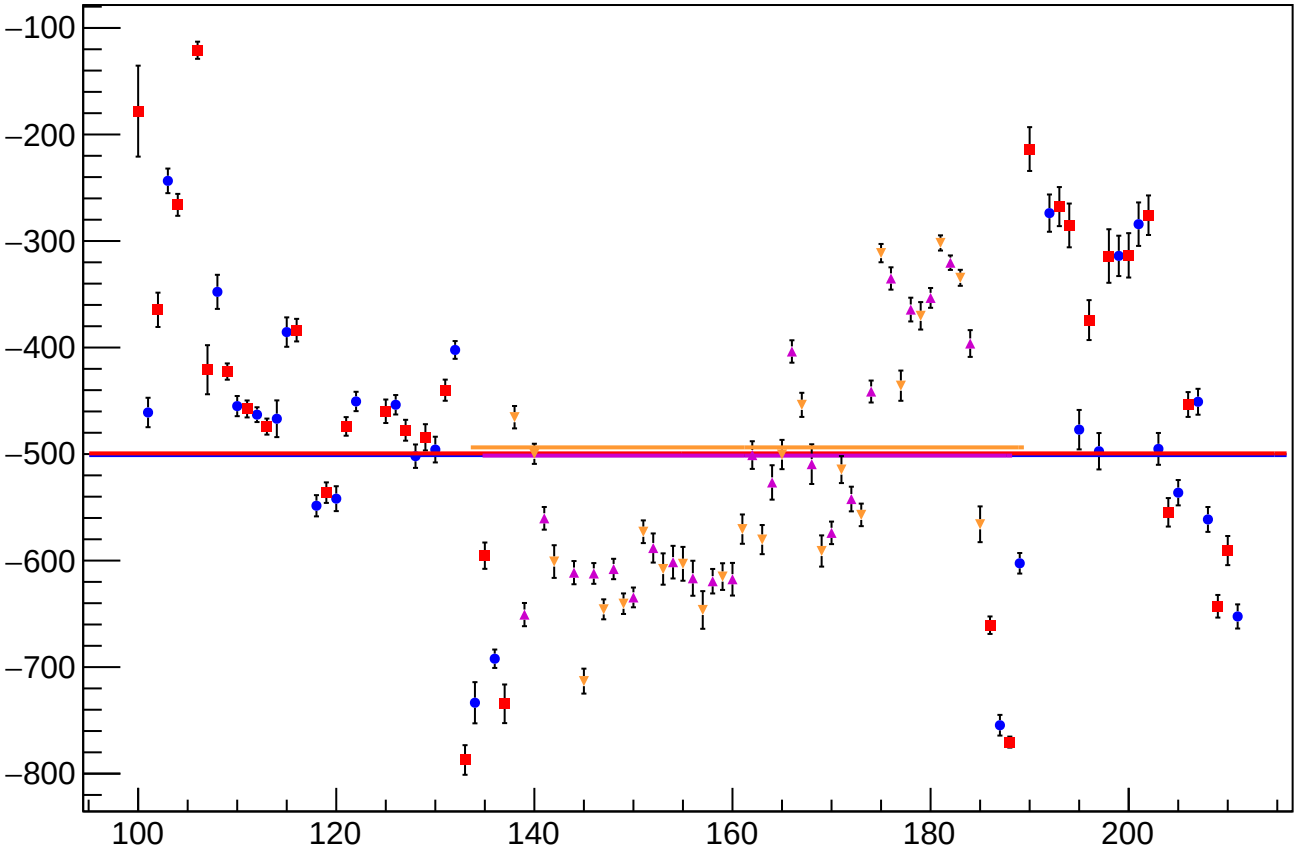
Left In: -20.396+/-0.016 χ^2/NDF:81154.4/22

+ sign -19.301+/-0.014 χ^2/NDF: 435733.3/51

All: -19.160+/-0.010 χ^2/NDF: 820034.3/105

- sign -19.021+/-0.014 χ^2/NDF: 384087.2/53

reg_asym_us_avg_at2lr_avg_avg_diff_bpm1X_slope vs Slug



Right In: -500.970+/-2.163 χ^2/NDF: 2996.6/27

Left Out: -493.722+/-2.295 χ^2/NDF:3150.0/23

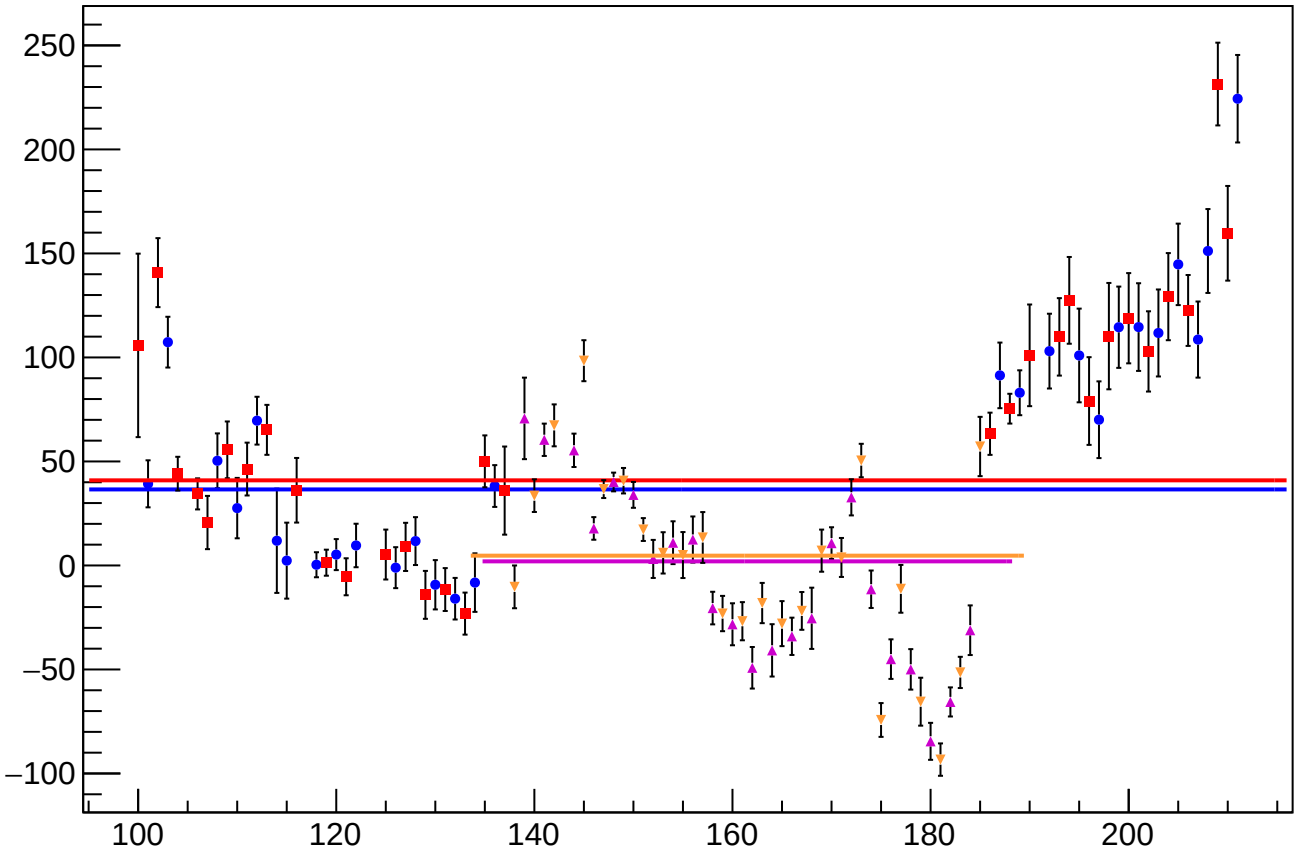
Right Out: -499.366+/-1.955 χ^2/NDF: 8042.2/30

Left In: -501.425+/-2.306 χ^2/NDF:2689.3/22

+ sign -497.561+/-1.574 χ^2/NDF: 6151.9/51

All: -498.966+/-1.083 χ^2/NDF: 16885.4/105

- sign -500.227+/-1.491 χ^2/NDF: 10732.0/53



Right In: 36.552+/-2.357 χ^2/NDF: 436.9/27

Left Out: 4.709+/-1.696 χ^2/NDF:680.3/23

Right Out: 40.917+/-2.188 χ^2/NDF: 479.2/30

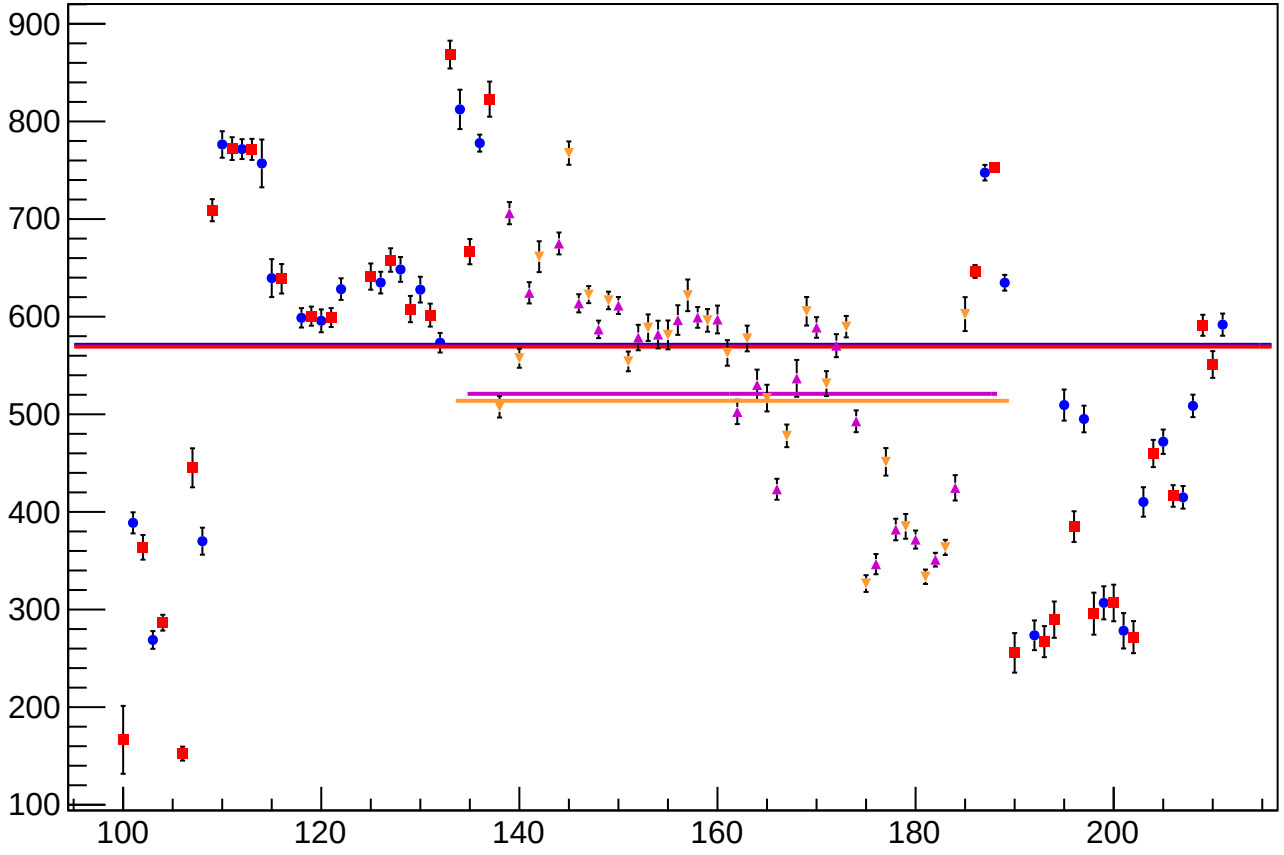
Left In: 1.970+/-1.722 χ^2/NDF:560.8/22

+ sign 15.569+/-1.376 χ^2/NDF: 1237.5/51

All: 16.228+/-0.965 χ^2/NDF: 2473.5/105

- sign 16.865+/-1.353 χ^2/NDF: 1235.6/53

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4eX_slope vs Slug



Right In: 571.185+/-2.229 χ^2/NDF: 5004.2/27

Left Out: 513.833+/-2.277 χ^2/NDF:2735.5/23

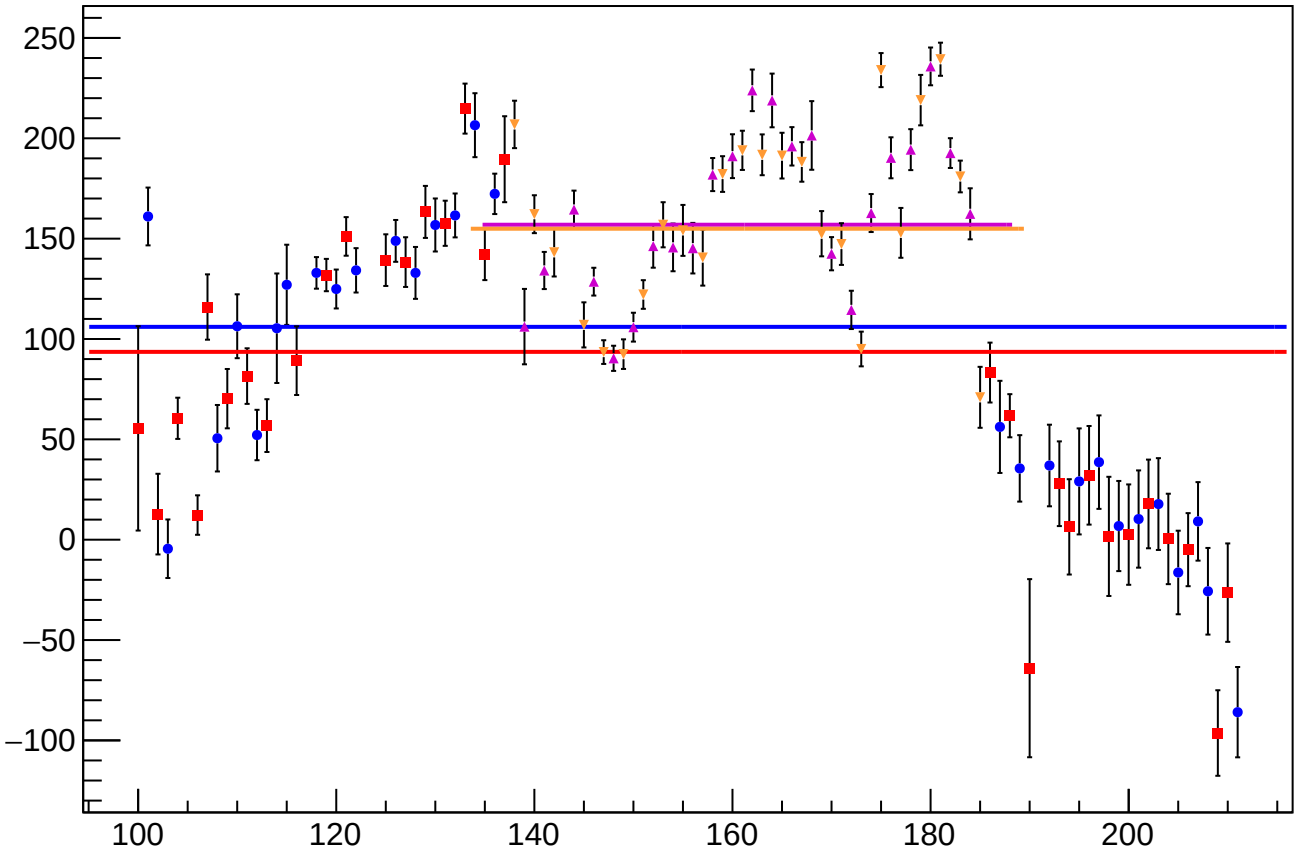
Right Out: 569.354+/-1.948 χ^2/NDF: 10672.8/30

Left In: 520.990+/-2.283 χ^2/NDF:2442.8/22

+ sign 543.121+/-1.593 χ^2/NDF: 8063.7/51

All: 546.258+/-1.085 χ^2/NDF: 21446.2/105

- sign 548.974+/-1.482 χ^2/NDF: 13375.2/53



Right In: 106.051+/-2.760 χ^2/NDF: 540.1/27

Left Out: 154.944+/-1.953 χ^2/NDF:609.0/23

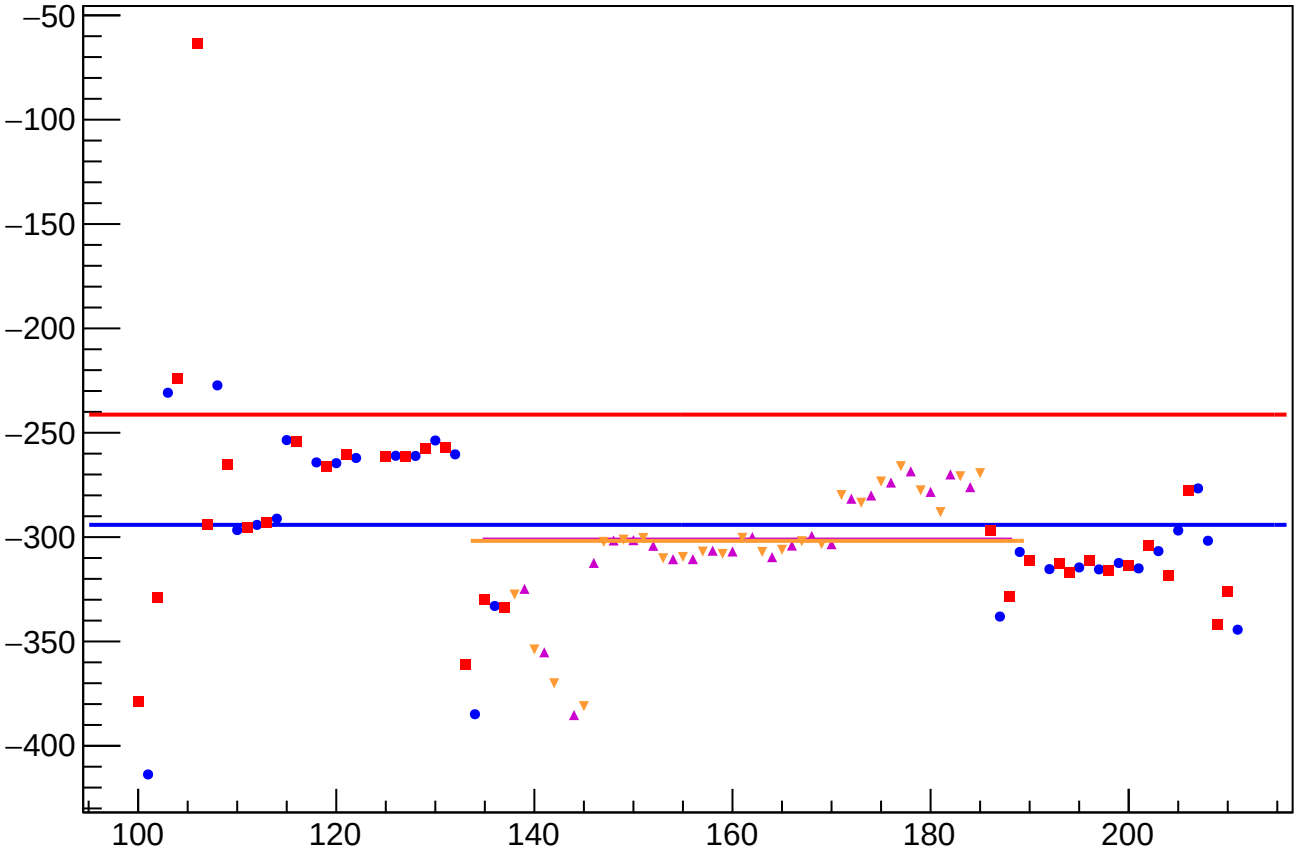
Right Out: 93.590+/-2.618 χ^2/NDF: 618.9/30

Left In: 156.934+/-1.971 χ^2/NDF:443.2/22

\+ sign 138.632+/-1.594 χ^2/NDF: 1358.1/51

All: 136.297+/-1.120 χ^2/NDF: 2798.0/105

\- sign 134.019+/-1.575 χ^2/NDF: 1435.6/53



Right In: -294.126+/-0.141 χ^2/NDF: 115944.1/27

Left Out: -301.785+/-0.091 χ^2/NDF:86719.4/23

Right Out: -241.309+/-0.123 χ^2/NDF: 699439.2/30

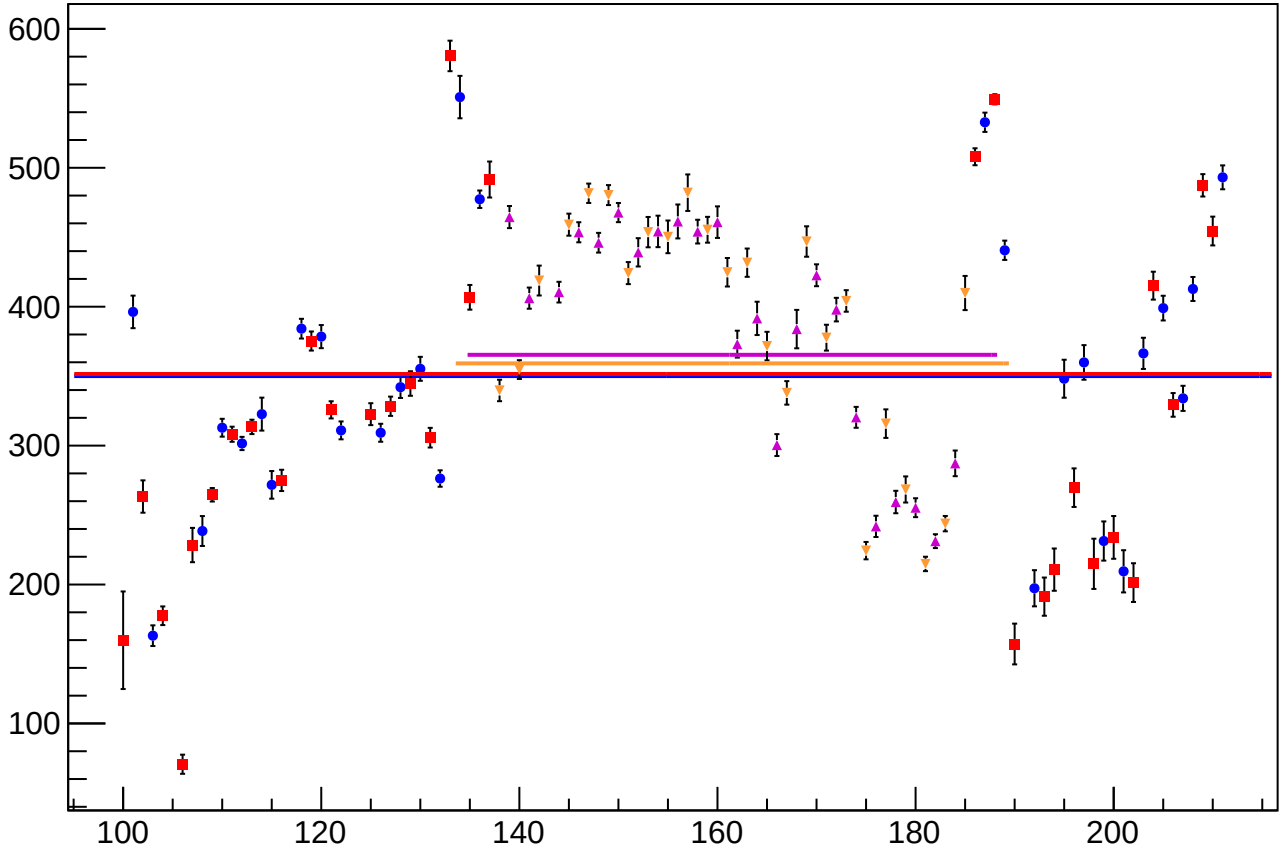
Left In: -301.176+/-0.090 χ^2/NDF:75325.3/22

+ sign -299.530+/-0.076 χ^2/NDF: 204758.9/51

All: -289.414+/-0.053 χ^2/NDF: 1167694.9/10

- sign -280.245+/-0.073 χ^2/NDF: 929389.6/53

reg_asym_us_avg_at2lr_avg_dd_diff_bpm1X_slope vs Slug



Right In: 350.072+/-1.546 χ^2/NDF: 3332.2/27

Left Out: 359.188+/-1.681 χ^2/NDF:3187.9/23

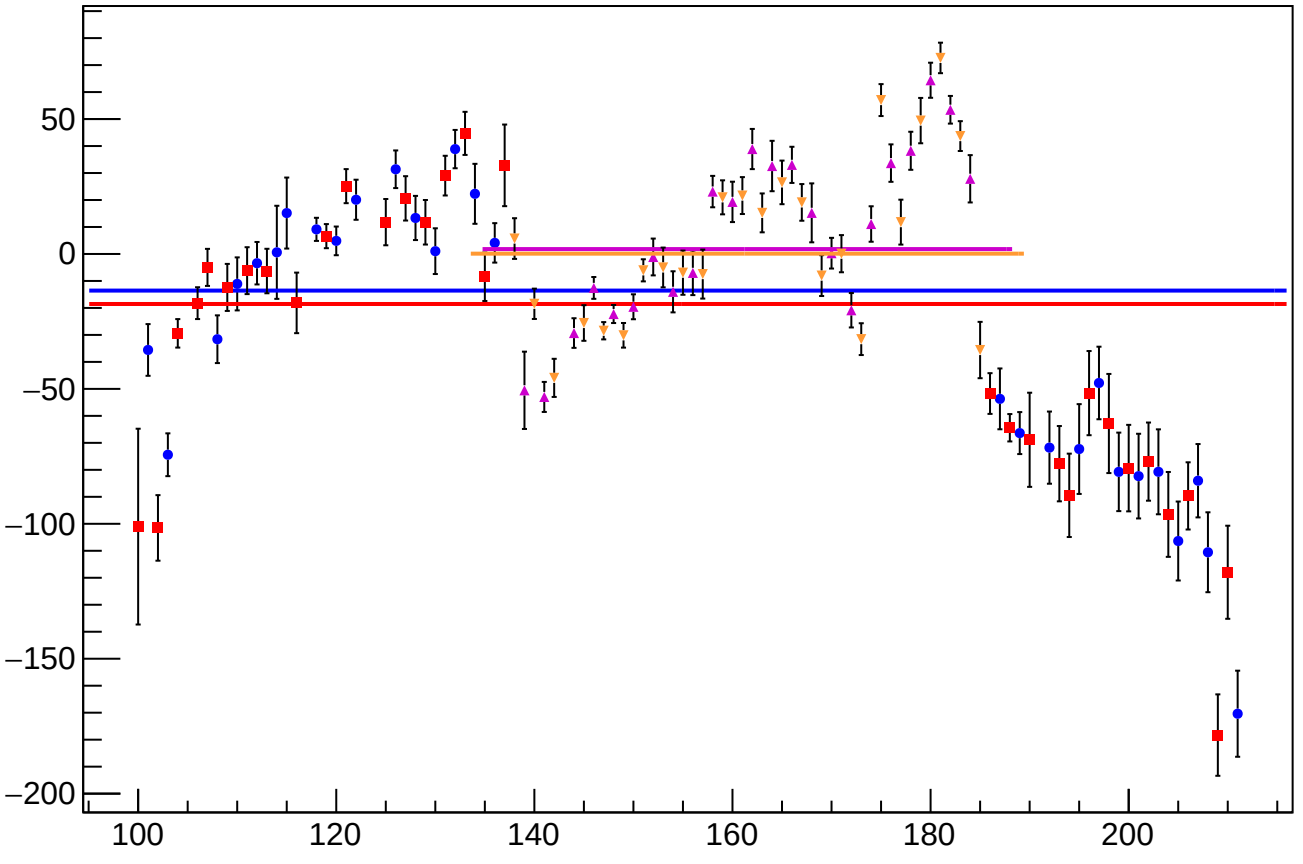
Right Out: 351.555+/-1.394 χ^2/NDF: 8431.5/30

Left In: 365.362+/-1.692 χ^2/NDF:2739.5/22

+ sign 354.249+/-1.138 χ^2/NDF: 6536.1/51

All: 355.773+/-0.782 χ^2/NDF: 17750.1/105

- sign 357.136+/-1.076 χ^2/NDF: 11210.6/53



Right In: -13.570+/-1.691 χ^2/NDF: 624.2/27

Left Out: 0.114+/-1.247 χ^2/NDF:637.9/23

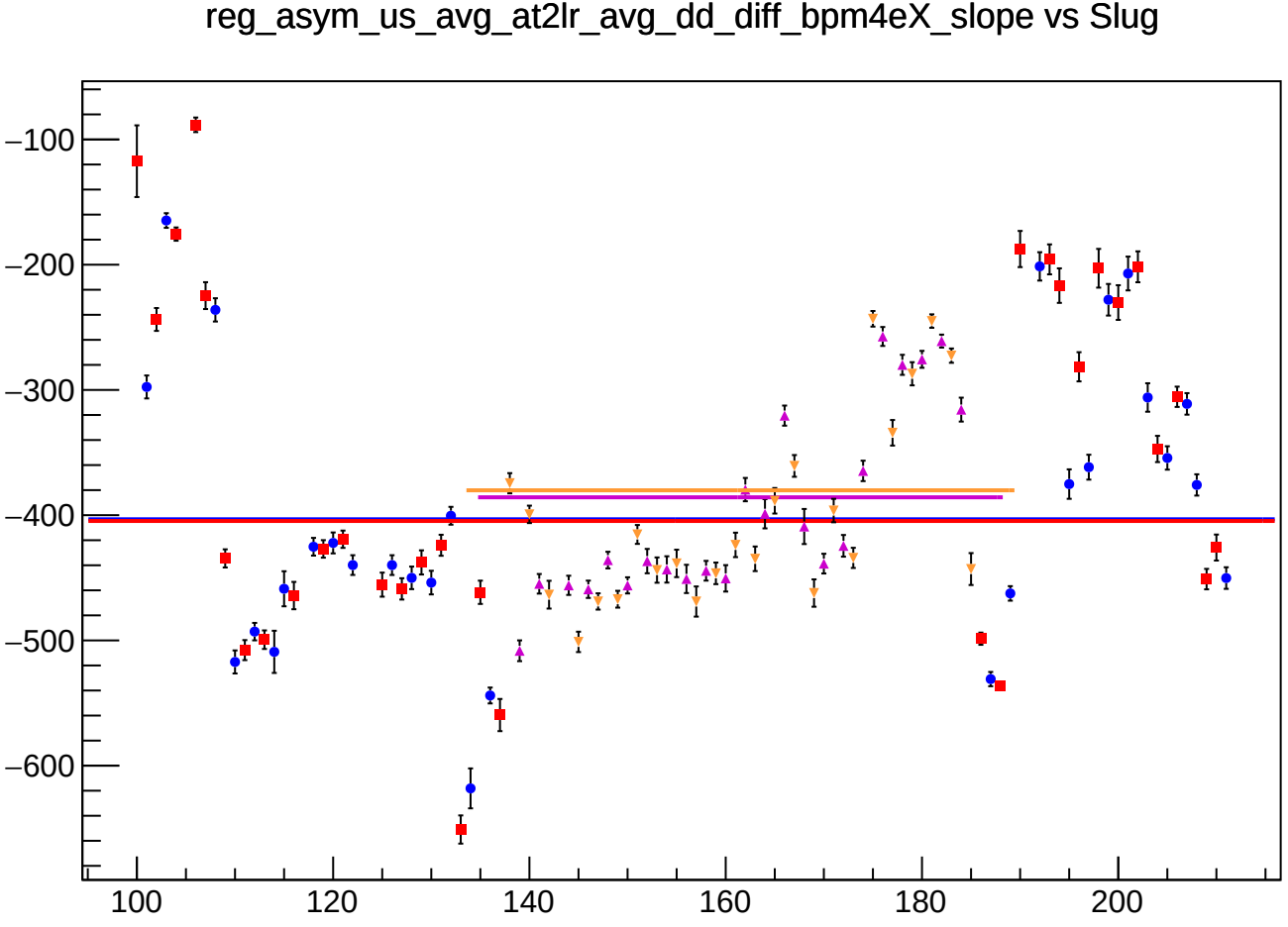
Right Out: -18.538+/-1.553 χ^2/NDF: 702.1/30

Left In: 1.812+/-1.267 χ^2/NDF:577.0/22

\+ sign -4.707+/-1.003 χ^2/NDF: 1304.5/51

All: -5.531+/-0.702 χ^2/NDF: 2688.1/105

\- sign -6.320+/-0.982 χ^2/NDF: 1382.3/53



Right In: -403.278+/-1.601 χ^2/NDF: 4892.4/27

Left Out: -380.144+/-1.670 χ^2/NDF:2618.6/23

Right Out: -404.629+/-1.397 χ^2/NDF: 10692.0/30

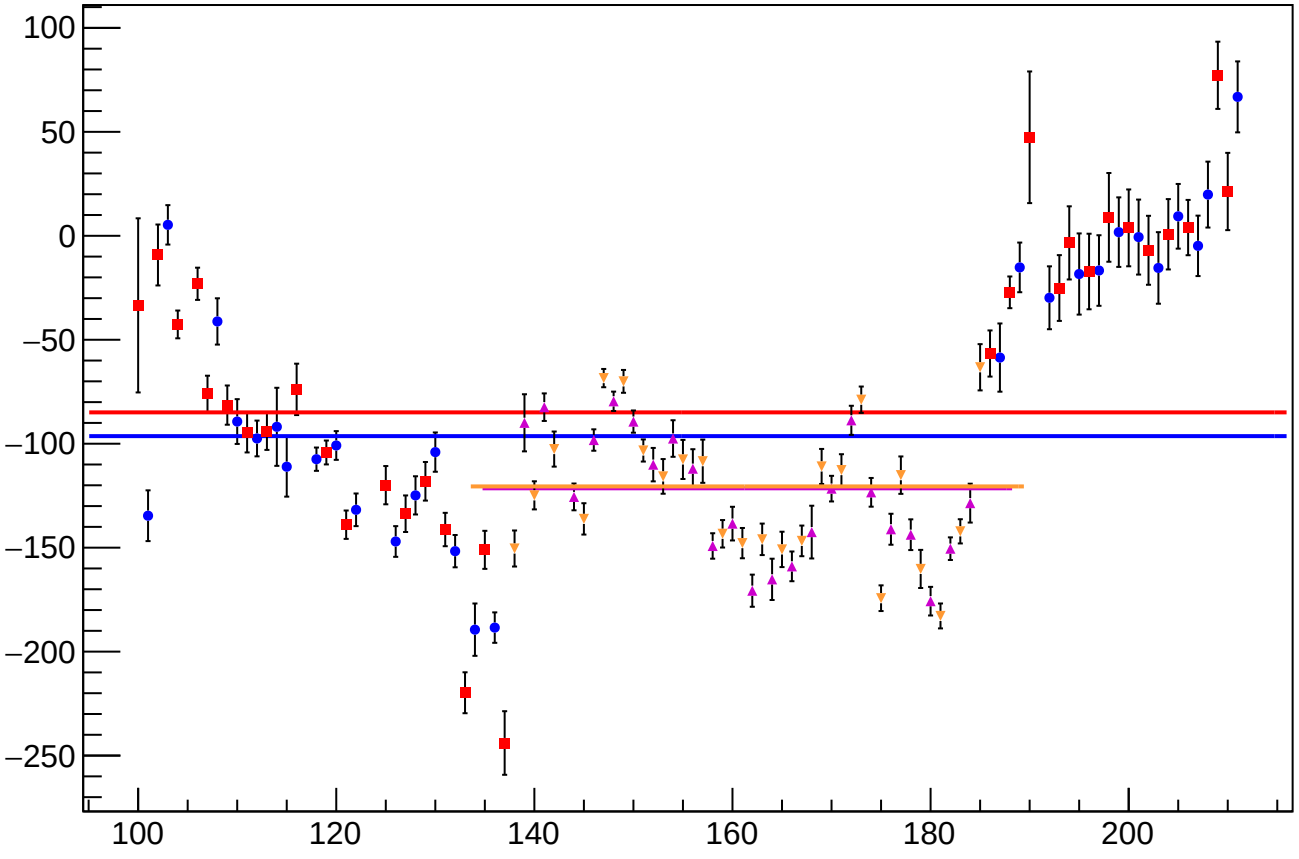
Left In: -385.725+/-1.677 χ^2/NDF:2361.2/22

+ sign -392.195+/-1.156 χ^2/NDF: 7611.0/51

All: -394.715+/-0.786 χ^2/NDF: 20748.1/105

- sign -396.887+/-1.073 χ^2/NDF: 13128.3/53

reg_asym_us_avg_at2lr_avg_dd_diff_bpm4eY_slope vs Slug



Right In: -96.352+/-1.980 χ^2/NDF: 921.0/27

Left Out: -120.541+/-1.435 χ^2/NDF:611.5/23

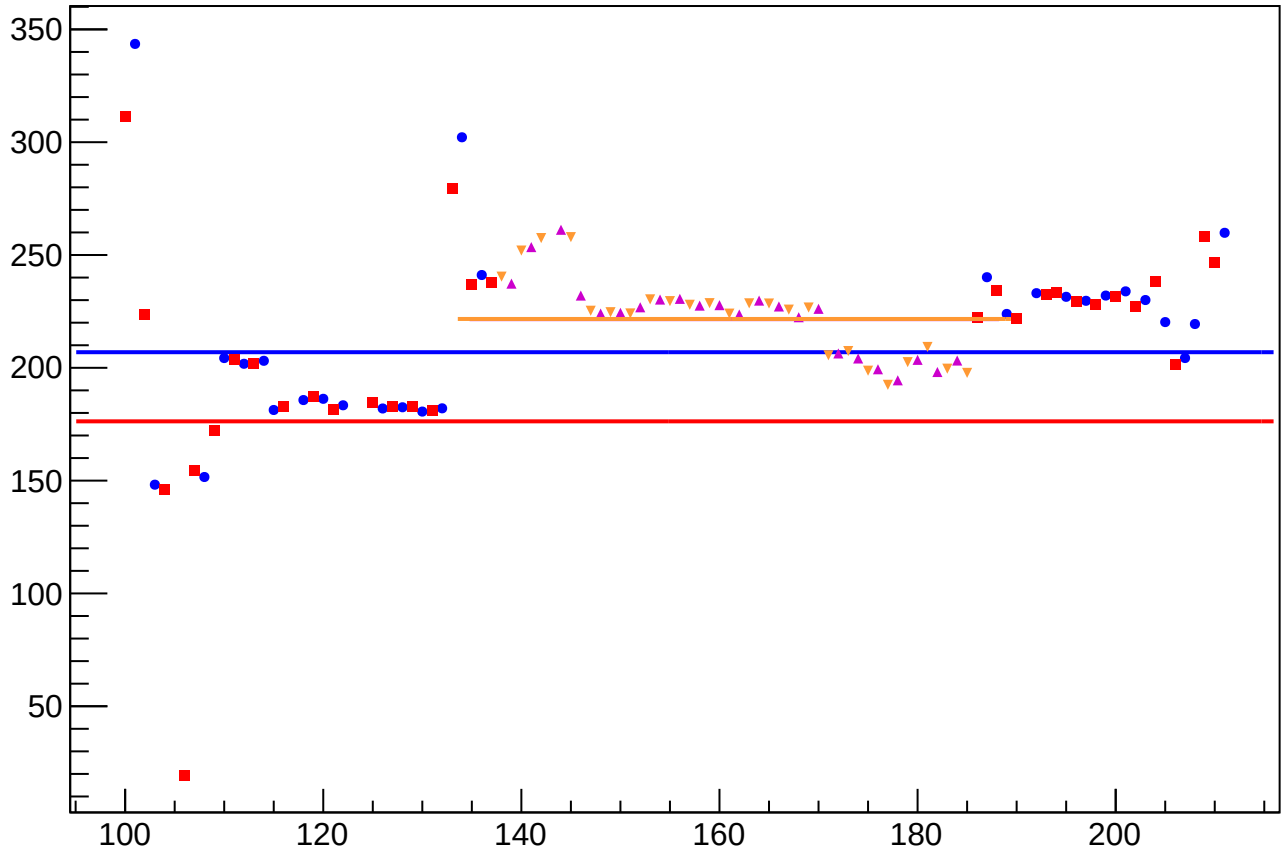
Right Out: -84.929+/-1.857 χ^2/NDF: 1064.2/30

Left In: -121.453+/-1.450 χ^2/NDF:432.6/22

\+ sign -112.207+/-1.162 χ^2/NDF: 1630.4/51

All: -109.877+/-0.815 χ^2/NDF: 3375.5/105

\- sign -107.624+/-1.143 χ^2/NDF: 1737.2/53



Right In: 206.919+/-0.101 χ^2/NDF: 206058.5/27

Left Out: 221.652+/-0.067 χ^2/NDF:67213.0/23

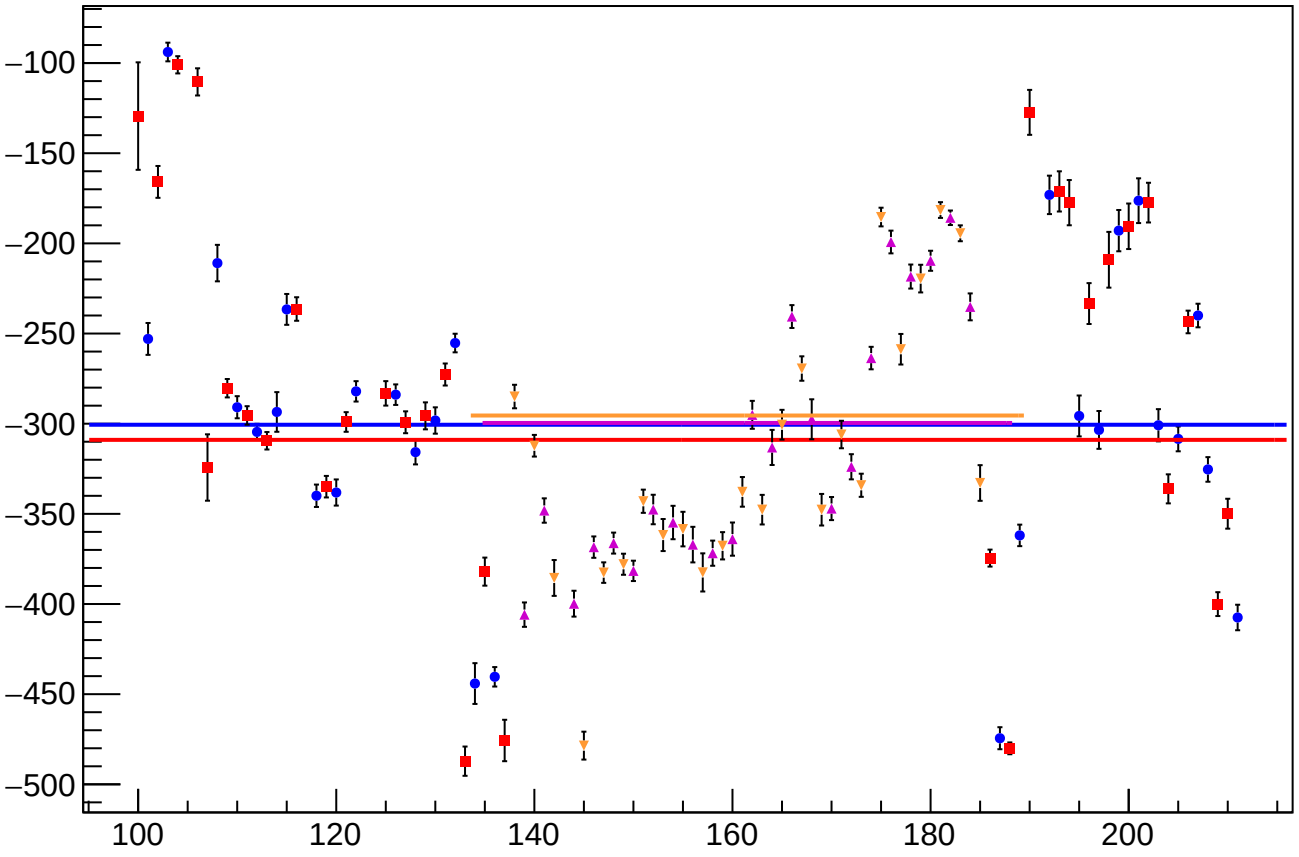
Right Out: 176.274+/-0.091 χ^2/NDF: 669504.0/30

Left In: 221.574+/-0.066 χ^2/NDF:62122.0/22

+ sign 217.154+/-0.056 χ^2/NDF: 288175.6/51

All: 211.283+/-0.039 χ^2/NDF: 1203841.4/105

- sign 205.844+/-0.053 χ^2/NDF: 894166.2/53



Right In: -300.585+/-1.315 χ^2/NDF: 4339.5/27

Left Out: -295.464+/-1.393 χ^2/NDF:3346.3/23

Right Out: -308.966+/-1.213 χ^2/NDF: 7950.7/30

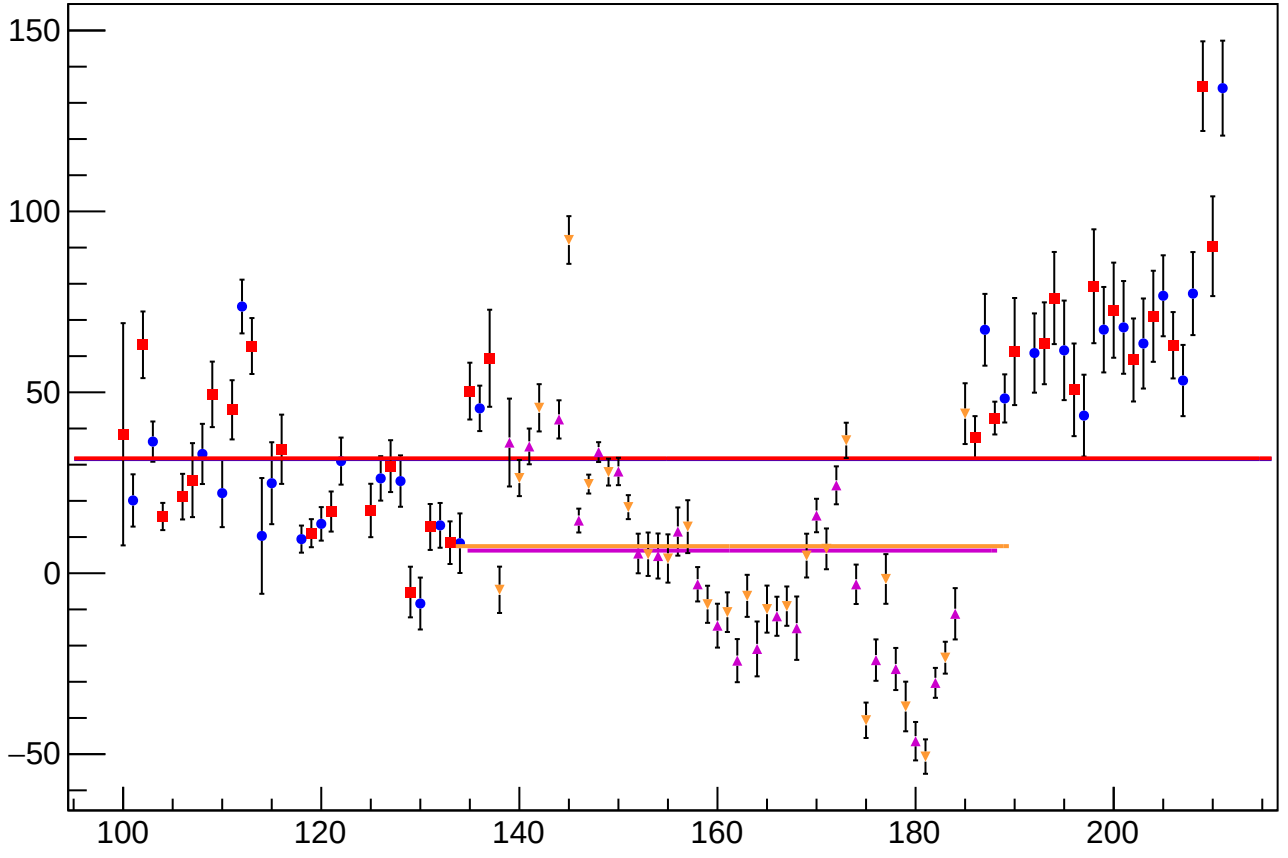
Left In: -299.588+/-1.397 χ^2/NDF:2971.7/22

+ sign -298.172+/-0.956 χ^2/NDF: 7693.0/51

All: -301.697+/-0.661 χ^2/NDF: 18667.1/105

- sign -304.932+/-0.916 χ^2/NDF: 10948.1/53

reg_asym_us_avg_atlr_avg_avg_diff_bpm4aY_slope vs Slug



Right In: 31.555+/-1.434 χ^2/NDF: 296.9/27

Left Out: 7.486+/-1.030 χ^2/NDF:738.5/23

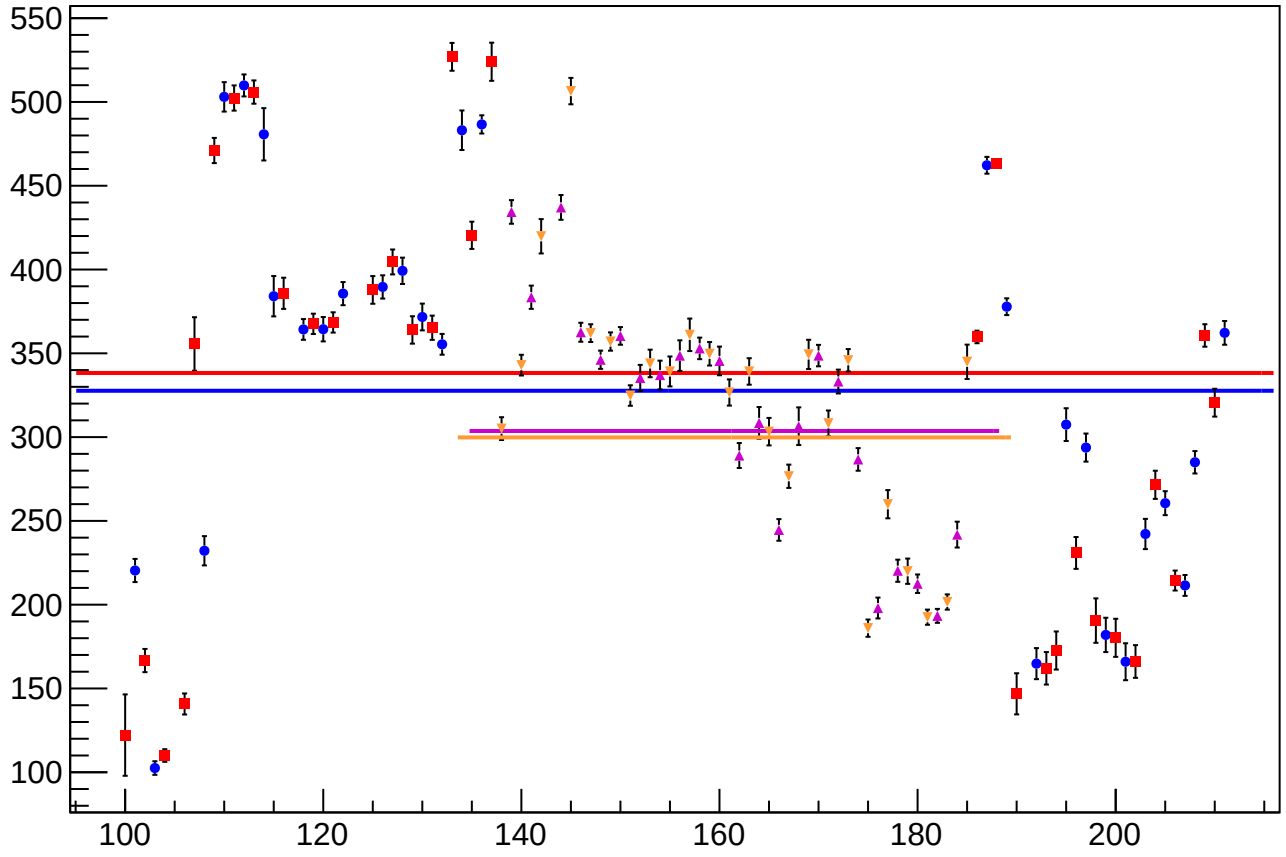
Right Out: 31.749+/-1.341 χ^2/NDF: 323.5/30

Left In: 6.259+/-1.045 χ^2/NDF:559.4/22

\+ sign 15.672+/-0.836 χ^2/NDF: 1221.3/51

All: 15.783+/-0.587 χ^2/NDF: 2329.1/105

\- sign 15.890+/-0.824 χ^2/NDF: 1107.8/53



Right In: 327.659+/-1.335 χ^2/NDF: 8239.5/27

Left Out: 299.825+/-1.381 χ^2/NDF:3076.1/23

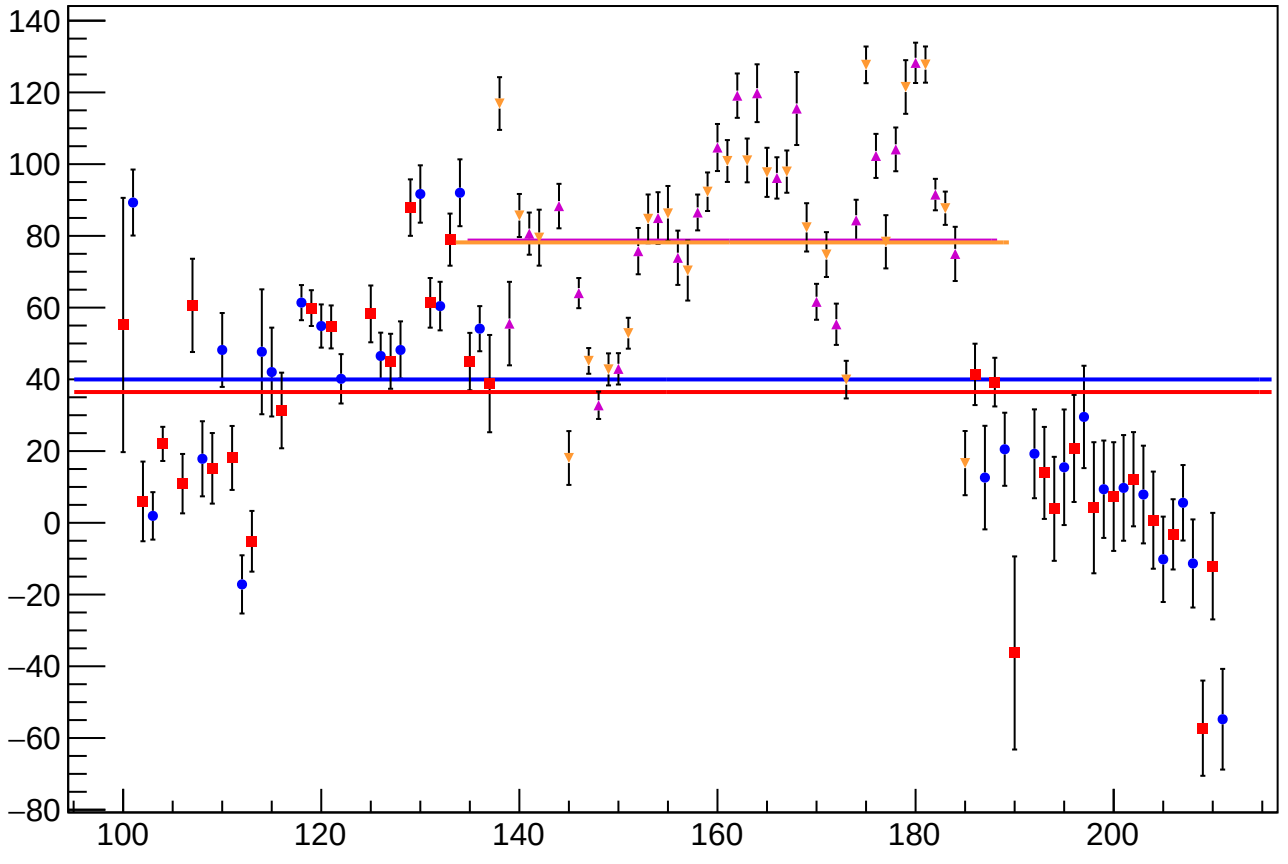
Right Out: 338.266+/-1.193 χ^2/NDF: 12156.7/30

Left In: 303.652+/-1.383 χ^2/NDF:2872.6/22

+ sign 314.210+/-0.960 χ^2/NDF: 11525.5/51

All: 319.134+/-0.658 χ^2/NDF: 26963.7/105

- sign 323.492+/-0.903 χ^2/NDF: 15388.6/53



Right In: 39.972+/-1.678 χ^2/NDF: 350.4/27

Left Out: 78.181+/-1.185 χ^2/NDF:663.3/23

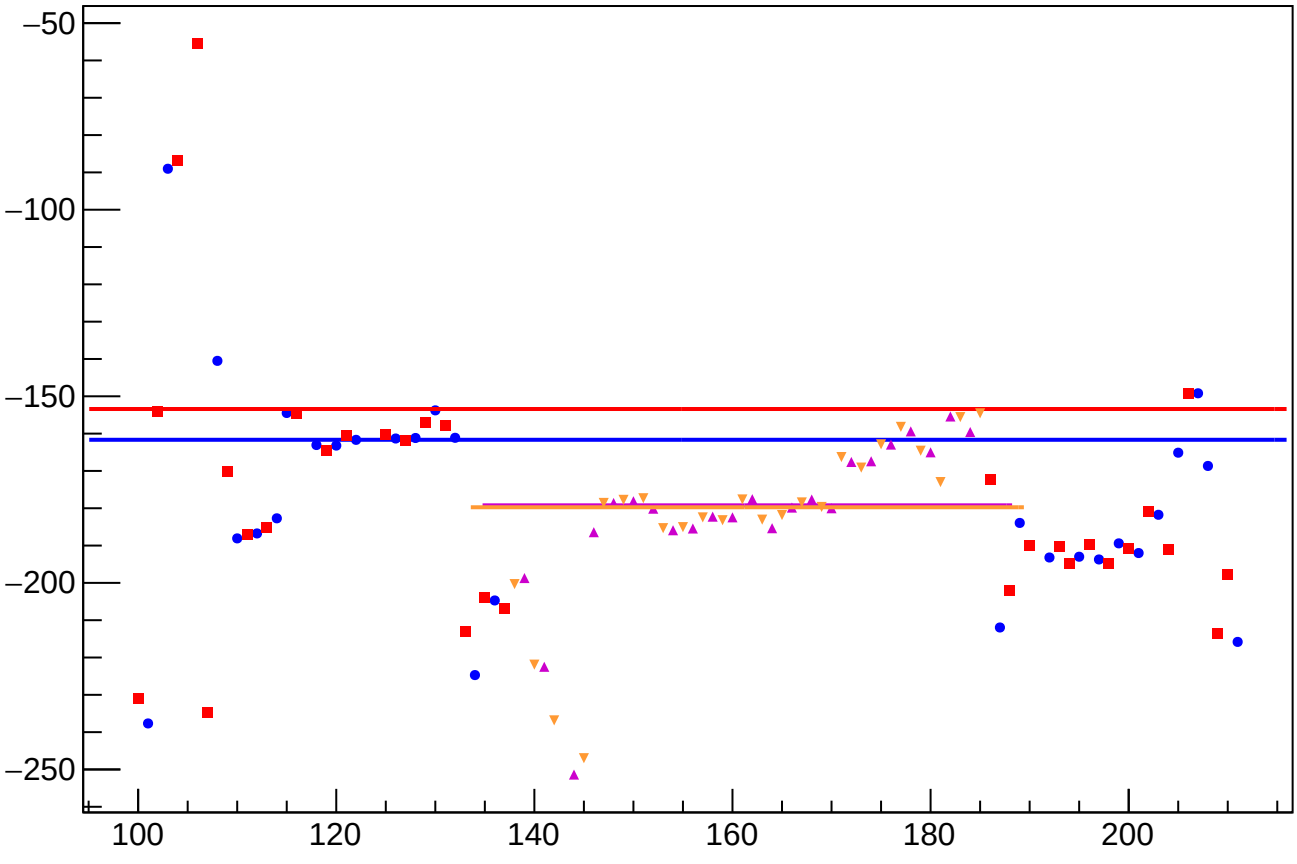
Right Out: 36.463+/-1.604 χ^2/NDF: 305.5/30

Left In: 78.689+/-1.195 χ^2/NDF:488.6/22

+ sign 65.473+/-0.968 χ^2/NDF: 1359.8/51

All: 64.537+/-0.681 χ^2/NDF: 2601.4/105

- sign 63.619+/-0.958 χ^2/NDF: 1239.8/53



Right In: -161.653+/-0.081 χ^2/NDF: 311644.7/27

Left Out: -179.738+/-0.055 χ^2/NDF:132199.5/23

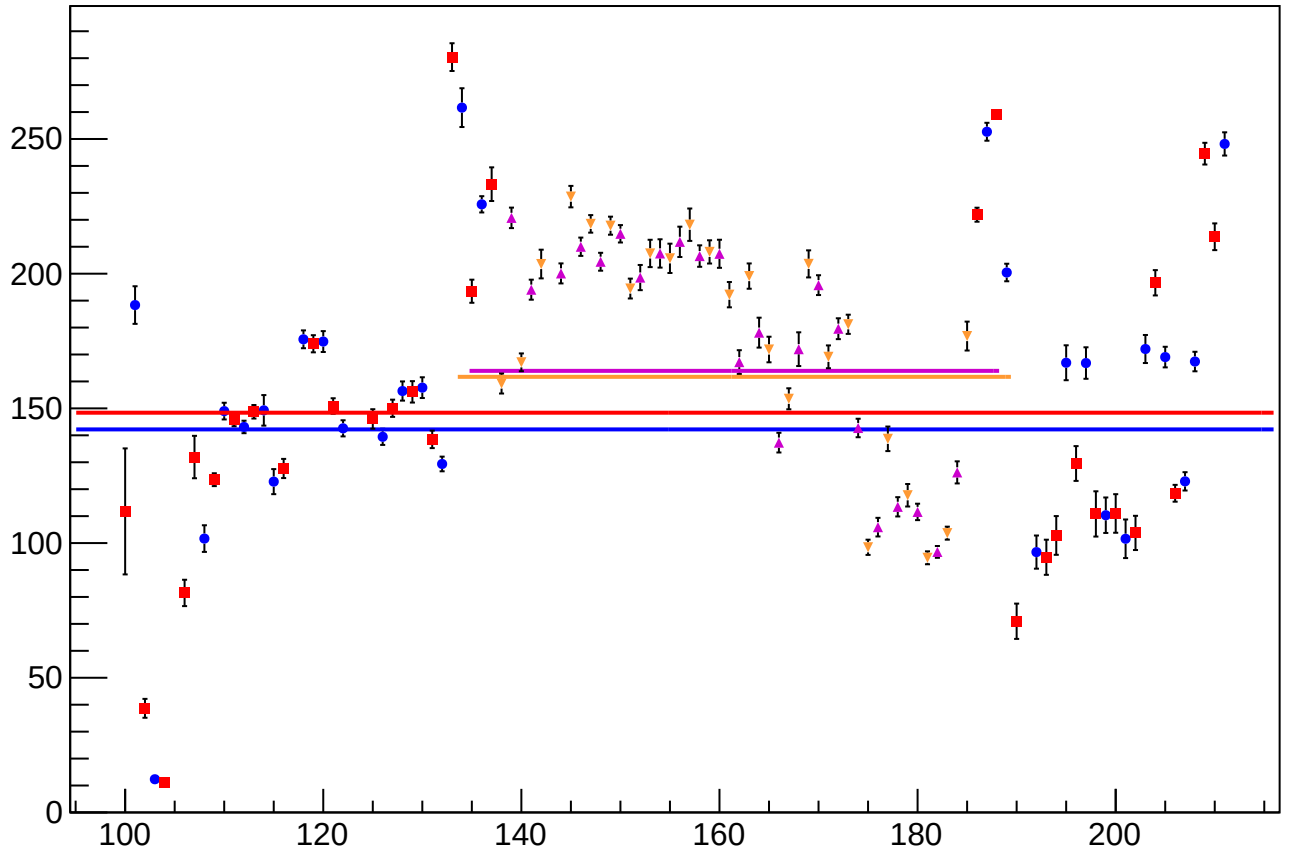
Right Out: -153.406+/-0.078 χ^2/NDF: 432347.1/30

Left In: -179.219+/-0.055 χ^2/NDF:113522.5/22

\+ sign -174.039+/-0.046 χ^2/NDF: 477919.4/51

All: -172.344+/-0.032 χ^2/NDF: 1100391.6/10

\- sign -170.714+/-0.045 χ^2/NDF: 619751.1/53



Right In: 142.193+/-0.682 χ^2/NDF: 8843.0/27

Left Out: 161.708+/-0.776 χ^2/NDF:3587.3/23

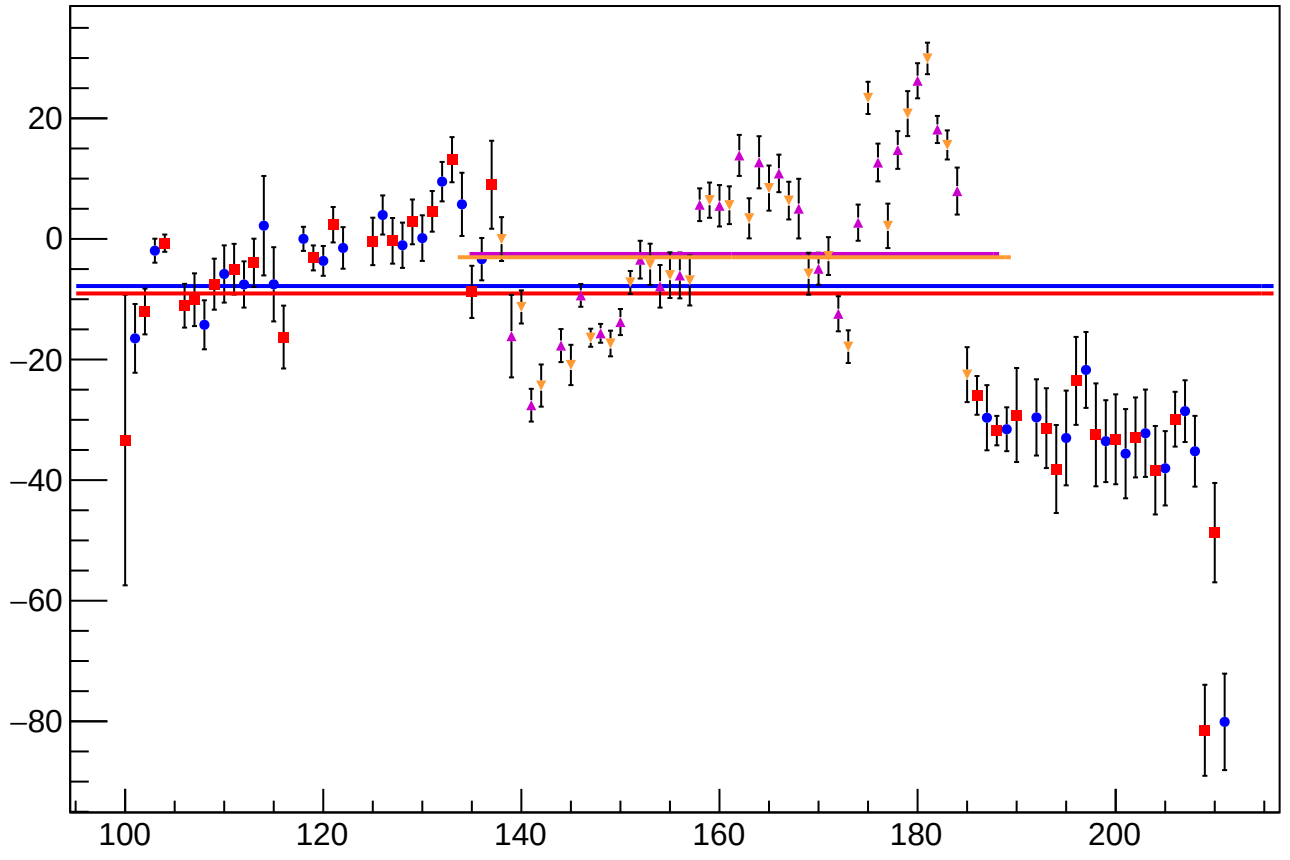
Right Out: 148.394+/-0.628 χ^2/NDF: 14061.2/30

Left In: 163.927+/-0.779 χ^2/NDF:3335.5/22

+ sign 150.696+/-0.512 χ^2/NDF: 12787.0/51

All: 152.691+/-0.354 χ^2/NDF: 30453.6/105

- sign 154.507+/-0.489 χ^2/NDF: 17637.7/53



Right In: -7.816+/-0.748 χ^2/NDF: 363.6/27

Left Out: -3.038+/-0.578 χ^2/NDF:654.5/23

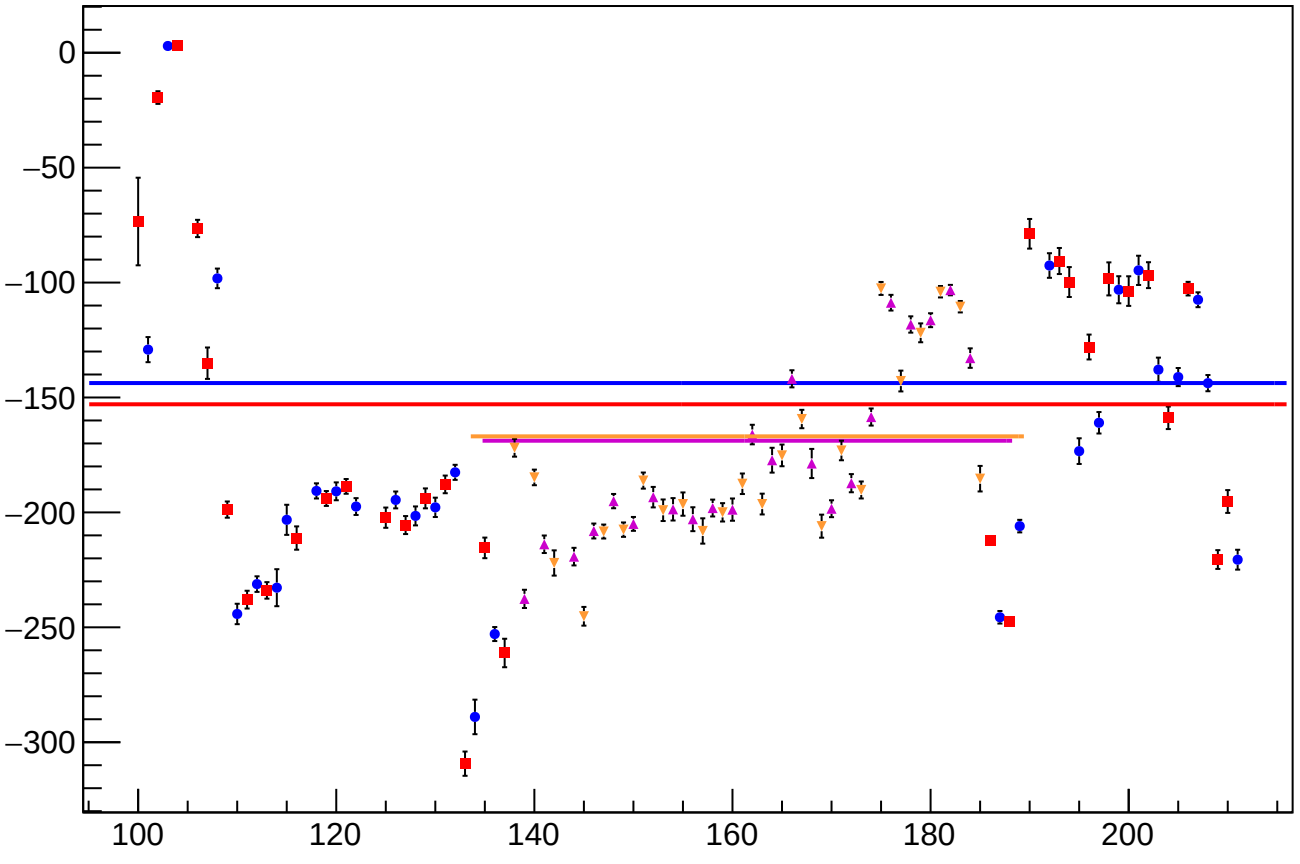
Right Out: -9.042+/-0.677 χ^2/NDF: 477.3/30

Left In: -2.492+/-0.587 χ^2/NDF:562.9/22

\+ sign -4.825+/-0.457 χ^2/NDF: 1043.6/51

All: -5.070+/-0.318 χ^2/NDF: 2137.8/105

\- sign -5.301+/-0.443 χ^2/NDF: 1093.6/53



Right In: -143.721+/-0.680 χ^2/NDF: 17565.1/27

Left Out: -166.912+/-0.771 χ^2/NDF:3096.2/23

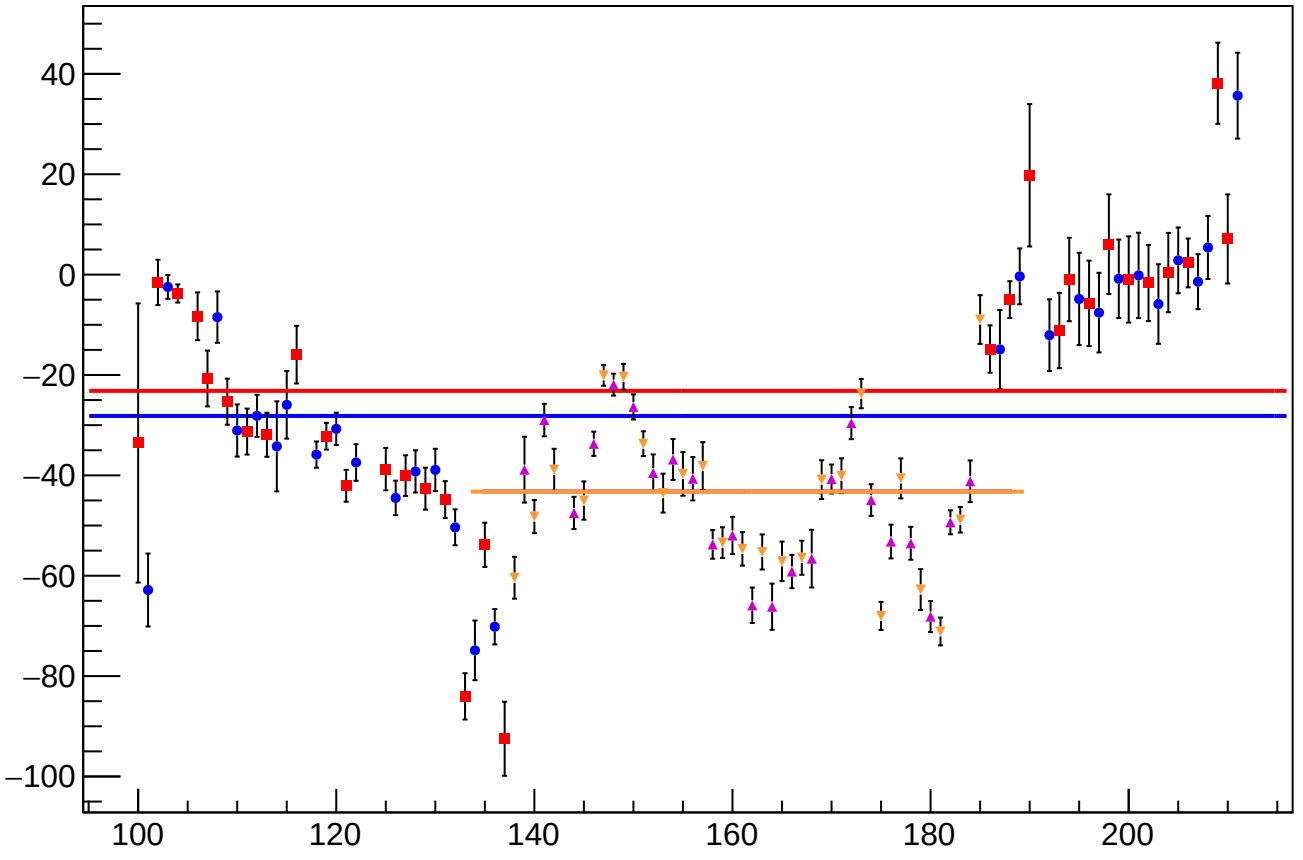
Right Out: -152.960+/-0.610 χ^2/NDF: 24382.4/30

Left In: -168.810+/-0.772 χ^2/NDF:3059.5/22

+ sign -153.876+/-0.510 χ^2/NDF: 21170.1/51

All: -156.625+/-0.349 χ^2/NDF: 48926.0/105

- sign -159.045+/-0.479 χ^2/NDF: 27701.3/53



Right In: -28.163+/-0.875 χ^2/NDF: 658.9/27

Left Out: -43.251+/-0.664 χ^2/NDF:610.2/23

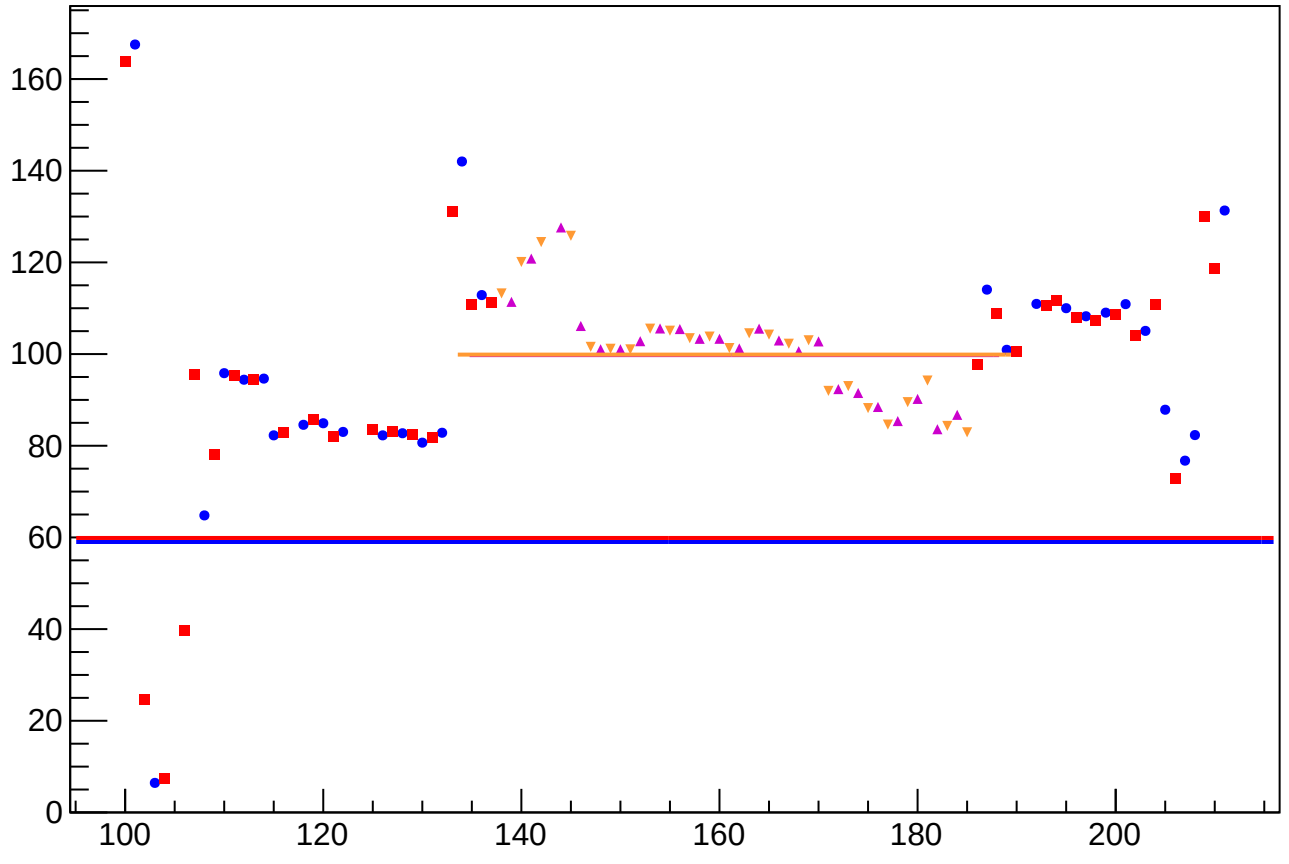
Right Out: -23.164+/-0.813 χ^2/NDF: 782.3/30

Left In: -43.207+/-0.670 χ^2/NDF:405.8/22

+ sign -37.740+/-0.529 χ^2/NDF: 1457.6/51

All: -36.388+/-0.370 χ^2/NDF: 3020.6/105

- sign -35.097+/-0.517 χ^2/NDF: 1550.2/53



Right In: 59.005+/-0.039 χ^2/NDF: 1534319.9/27

Left Out: 99.881+/-0.031 χ^2/NDF:123588.1/23

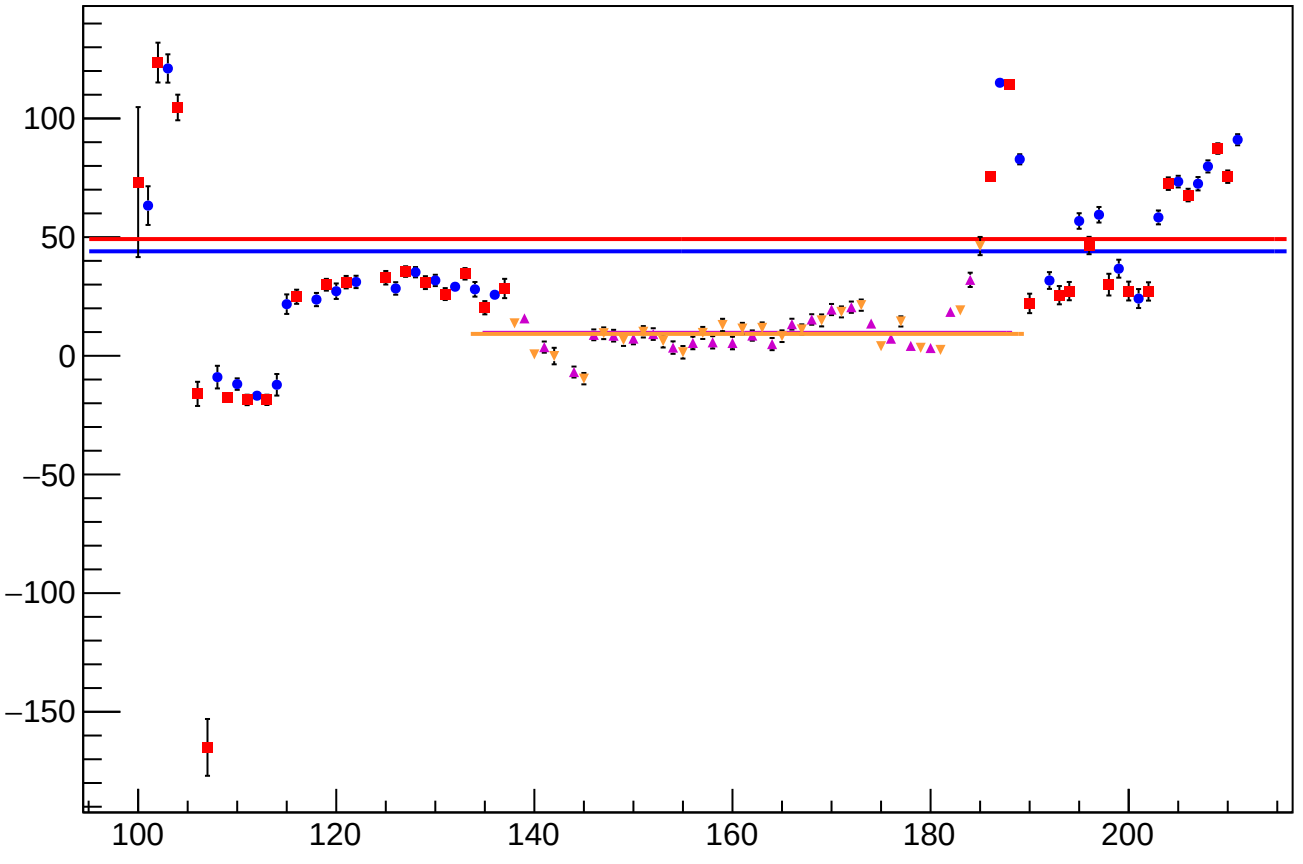
Right Out: 59.882+/-0.038 χ^2/NDF: 1345611.9/30

Left In: 99.769+/-0.031 χ^2/NDF:113501.0/22

+ sign 84.037+/-0.024 χ^2/NDF: 2342060.1/51

All: 84.136+/-0.017 χ^2/NDF: 4465102.2/105

- sign 84.233+/-0.024 χ^2/NDF: 2123008.8/53



Right In: 44.021+/-0.517 χ^2/NDF: 4816.0/27

Left Out: 9.228+/-0.456 χ^2/NDF:327.5/23

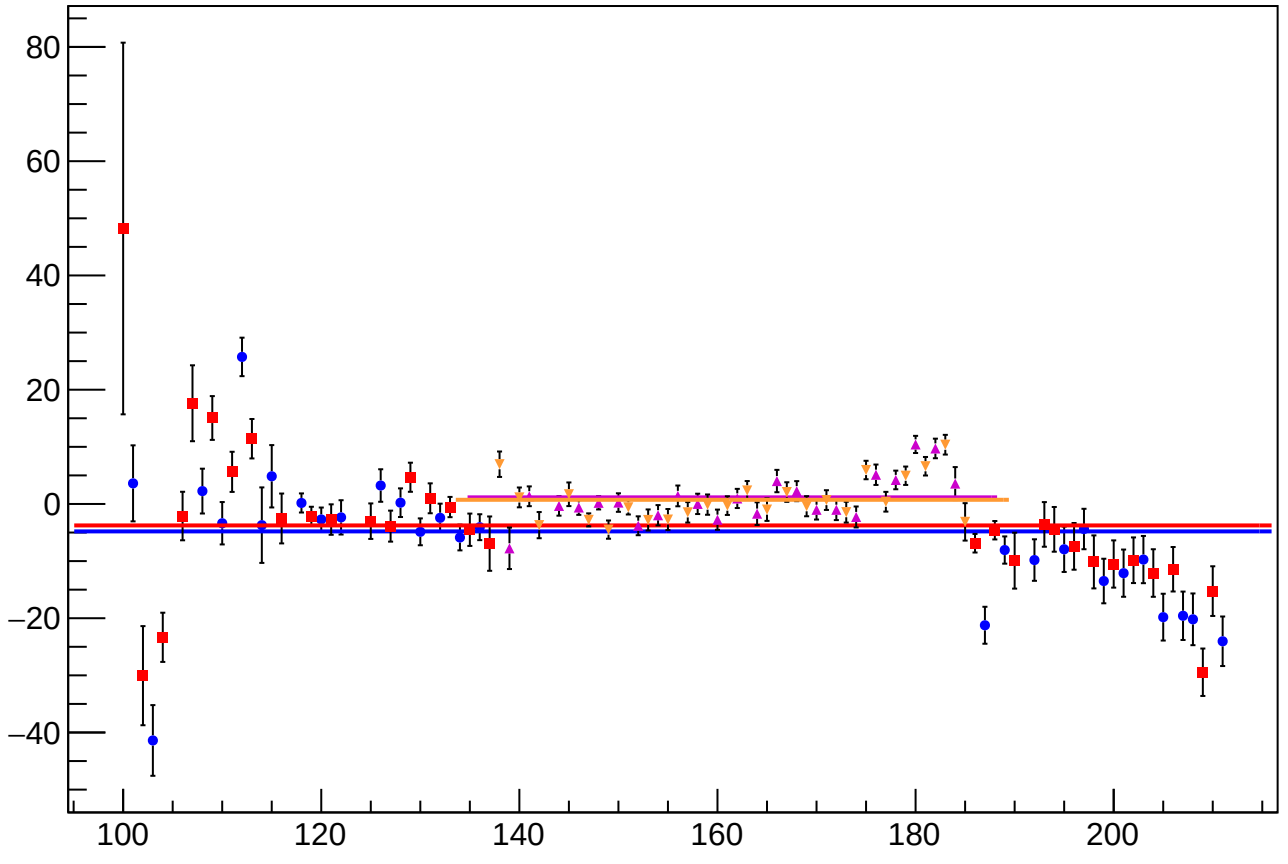
Right Out: 49.184+/-0.469 χ^2/NDF: 8433.8/30

Left In: 9.676+/-0.462 χ^2/NDF:246.7/22

+ sign 24.454+/-0.342 χ^2/NDF: 7686.4/51

All: 26.885+/-0.237 χ^2/NDF: 20060.3/105

- sign 29.136+/-0.329 χ^2/NDF: 12276.8/53



Right In: -4.801+/-0.583 χ^2/NDF: 245.7/27

Left Out: 0.730+/-0.350 χ^2/NDF:109.7/23

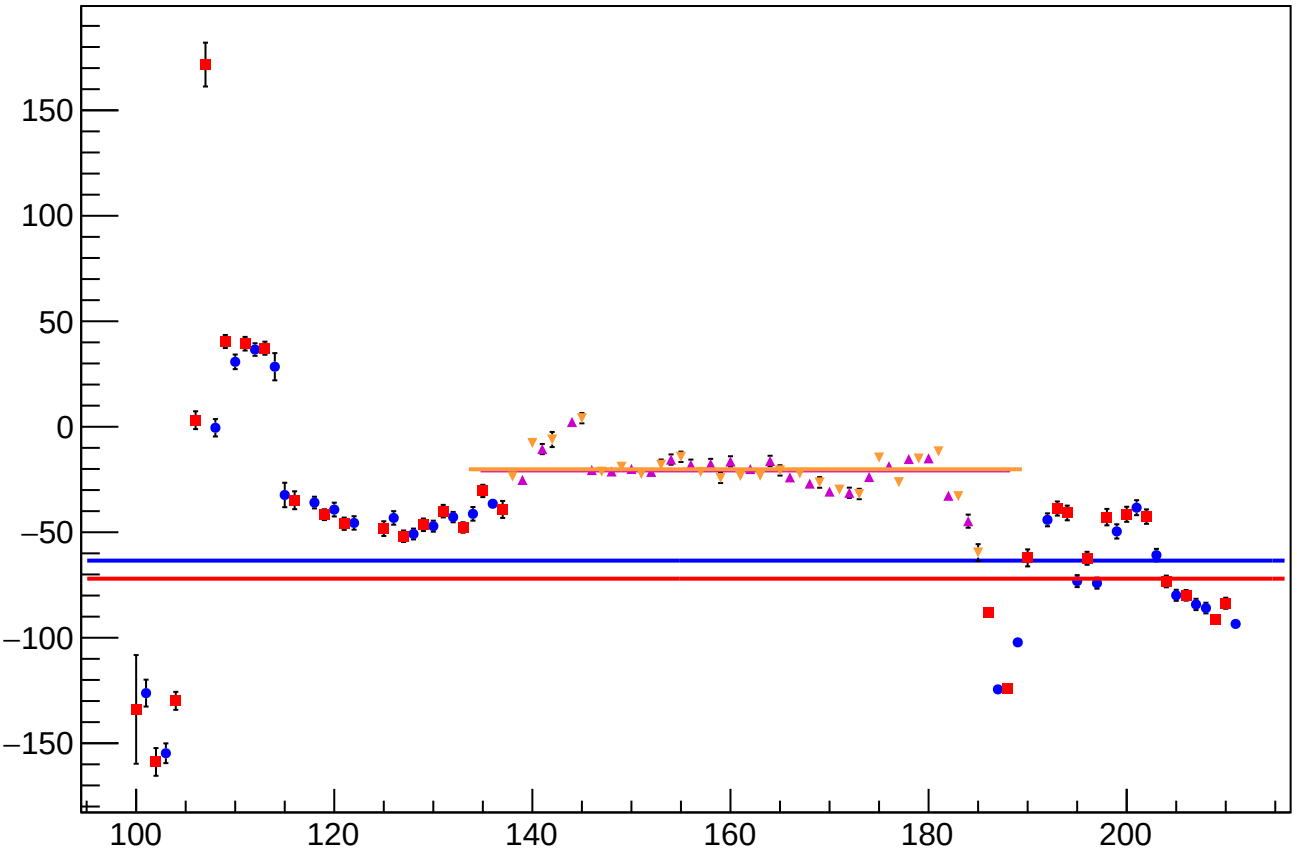
Right Out: -3.756+/-0.545 χ^2/NDF: 179.3/30

Left In: 1.156+/-0.358 χ^2/NDF:110.4/22

\+ sign -0.730+/-0.300 χ^2/NDF: 421.5/51

All: -0.525+/-0.212 χ^2/NDF: 768.9/105

\- sign -0.321+/-0.299 χ^2/NDF: 346.5/53



Right In: -63.442+/-0.528 χ^2/NDF: 5755.2/27

Left Out: -20.151+/-0.452 χ^2/NDF:420.3/23

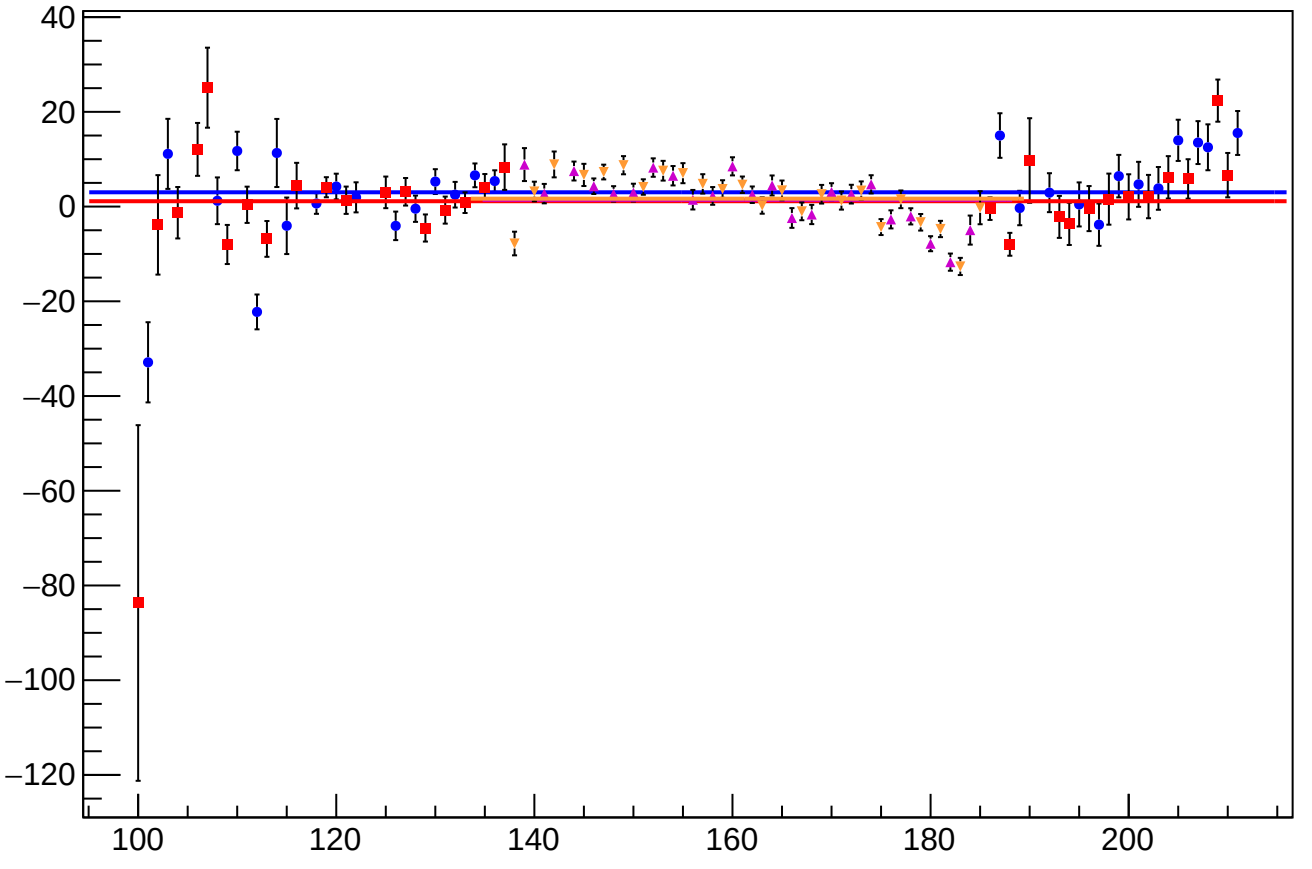
Right Out: -72.001+/-0.456 χ^2/NDF: 9759.7/30

Left In: -20.683+/-0.458 χ^2/NDF:310.5/22

\+ sign -38.488+/-0.343 χ^2/NDF: 10053.6/51

All: -42.692+/-0.235 χ^2/NDF: 26711.1/105

\- sign -46.412+/-0.323 χ^2/NDF: 16375.1/53



Right In: 3.017+/-0.677 χ^2/NDF: 119.9/27

Left Out: 1.671+/-0.395 χ^2/NDF:178.0/23

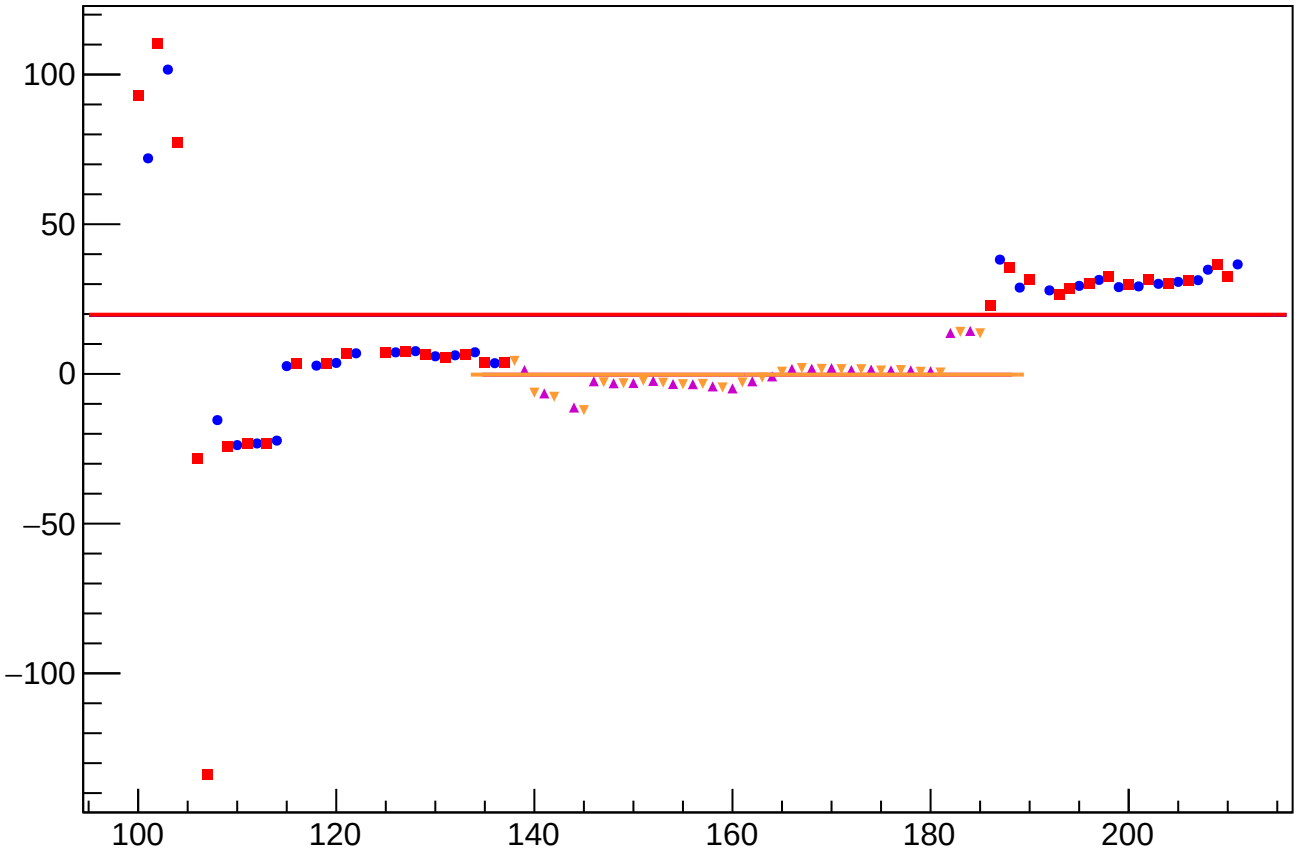
Right Out: 1.129+/-0.654 χ^2/NDF: 81.8/30

Left In: 1.428+/-0.403 χ^2/NDF:162.8/22

\+ sign 2.013+/-0.341 χ^2/NDF: 300.8/51

All: 1.681+/-0.242 χ^2/NDF: 547.4/105

\- sign 1.346+/-0.343 χ^2/NDF: 244.7/53



Right In: 19.676+/-0.034 χ^2/NDF: 426342.9/27

Left Out: -0.229+/-0.018 χ^2/NDF:80976.2/23

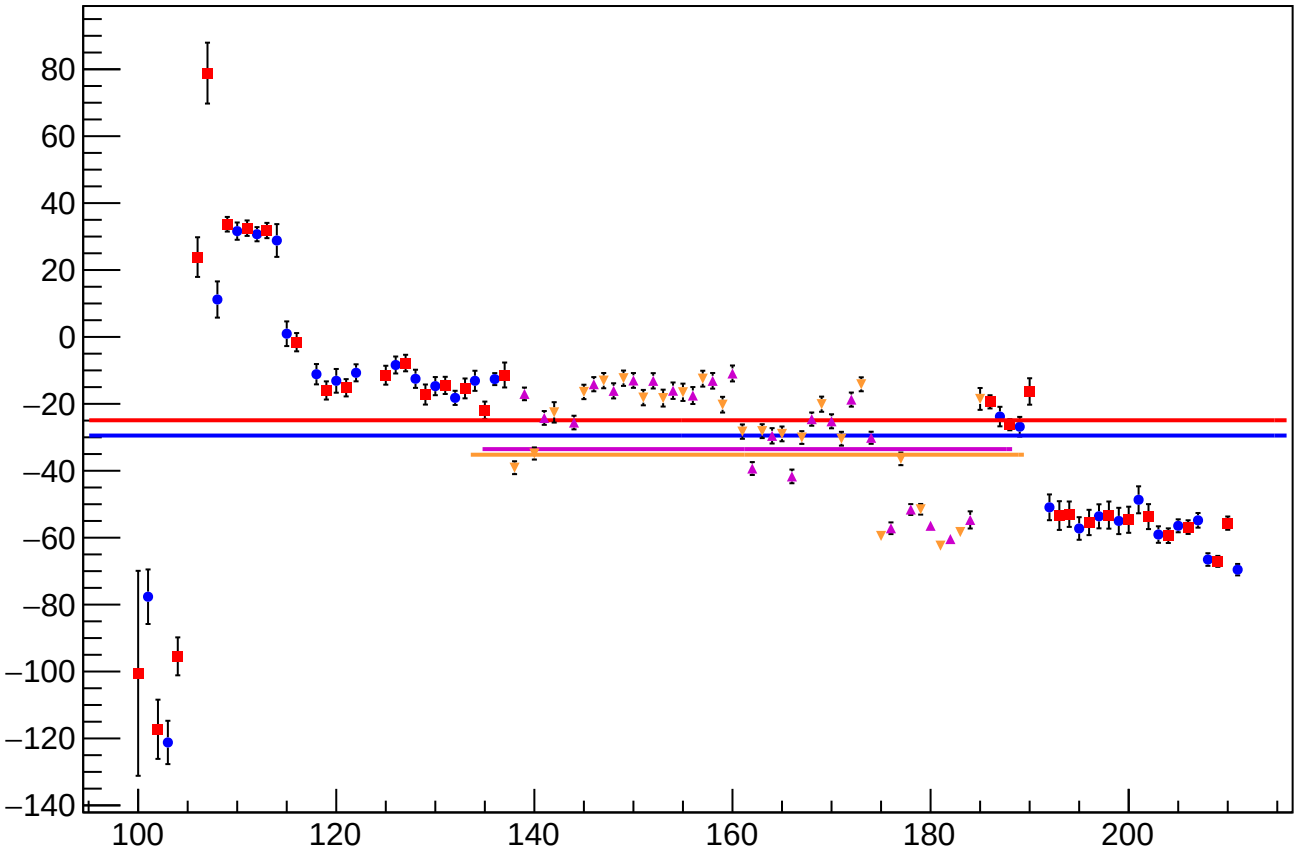
Right Out: 19.780+/-0.033 χ^2/NDF: 599399.8/30

Left In: -0.270+/-0.018 χ^2/NDF:72783.3/22

+ sign 4.064+/-0.016 χ^2/NDF: 782026.7/51

All: 4.113+/-0.011 χ^2/NDF: 1736689.8/105

- sign 4.163+/-0.016 χ^2/NDF: 954643.2/53



Right In: -29.474+/-0.511 χ^2/NDF: 3884.3/27

Left Out: -35.201+/-0.408 χ^2/NDF:1850.7/23

Right Out: -24.908+/-0.492 χ^2/NDF: 4376.0/30

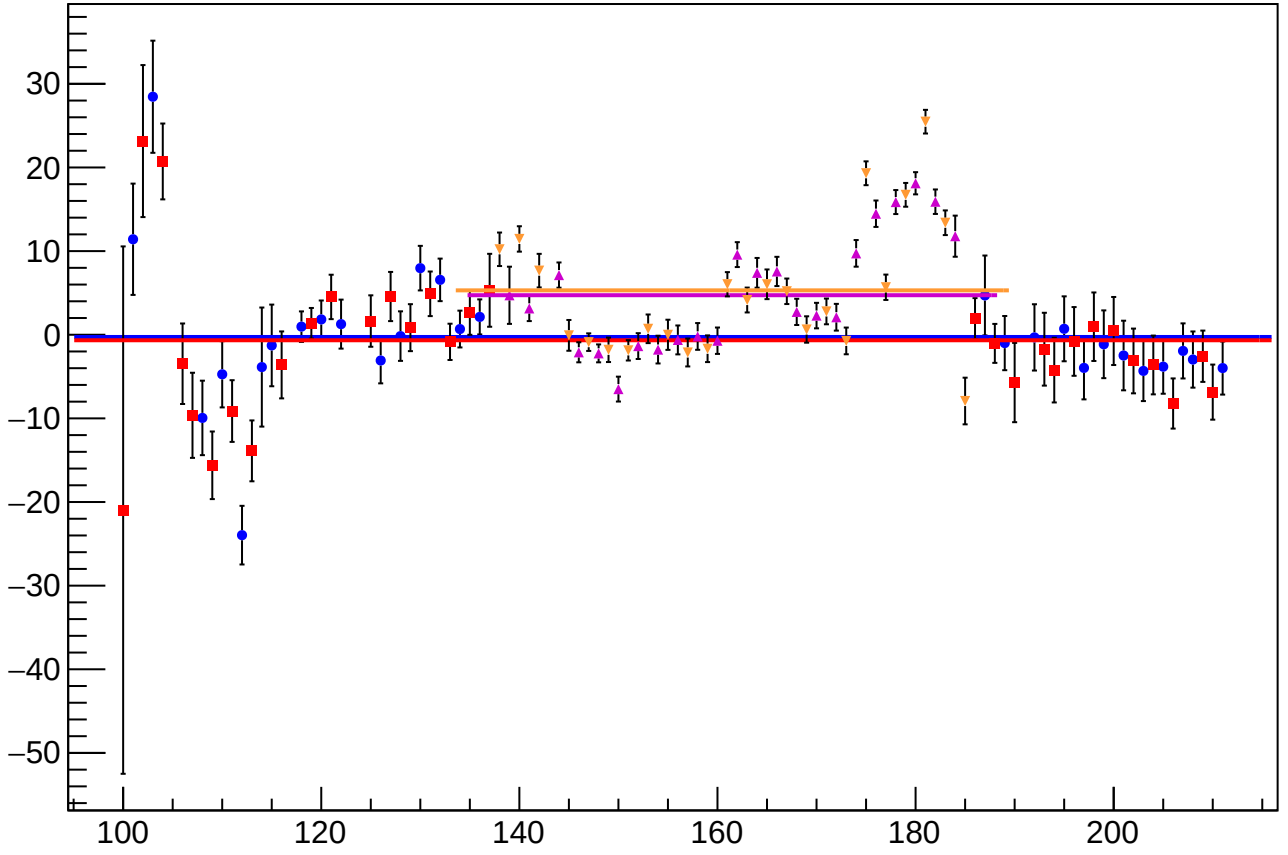
Left In: -33.528+/-0.414 χ^2/NDF:1806.1/22

+ sign -32.970+/-0.319 χ^2/NDF: 5811.7/51

All: -31.453+/-0.225 χ^2/NDF: 12218.7/105

- sign -29.957+/-0.317 χ^2/NDF: 6362.0/53

reg_asym_us_dd_at1lr_dd_dd_diff_bpm4aY_slope vs Slug



Right In: -0.267+/-0.597 χ^2/NDF: 101.5/27

Left Out: 5.307+/-0.315 χ^2/NDF:624.4/23

Right Out: -0.660+/-0.587 χ^2/NDF: 97.3/30

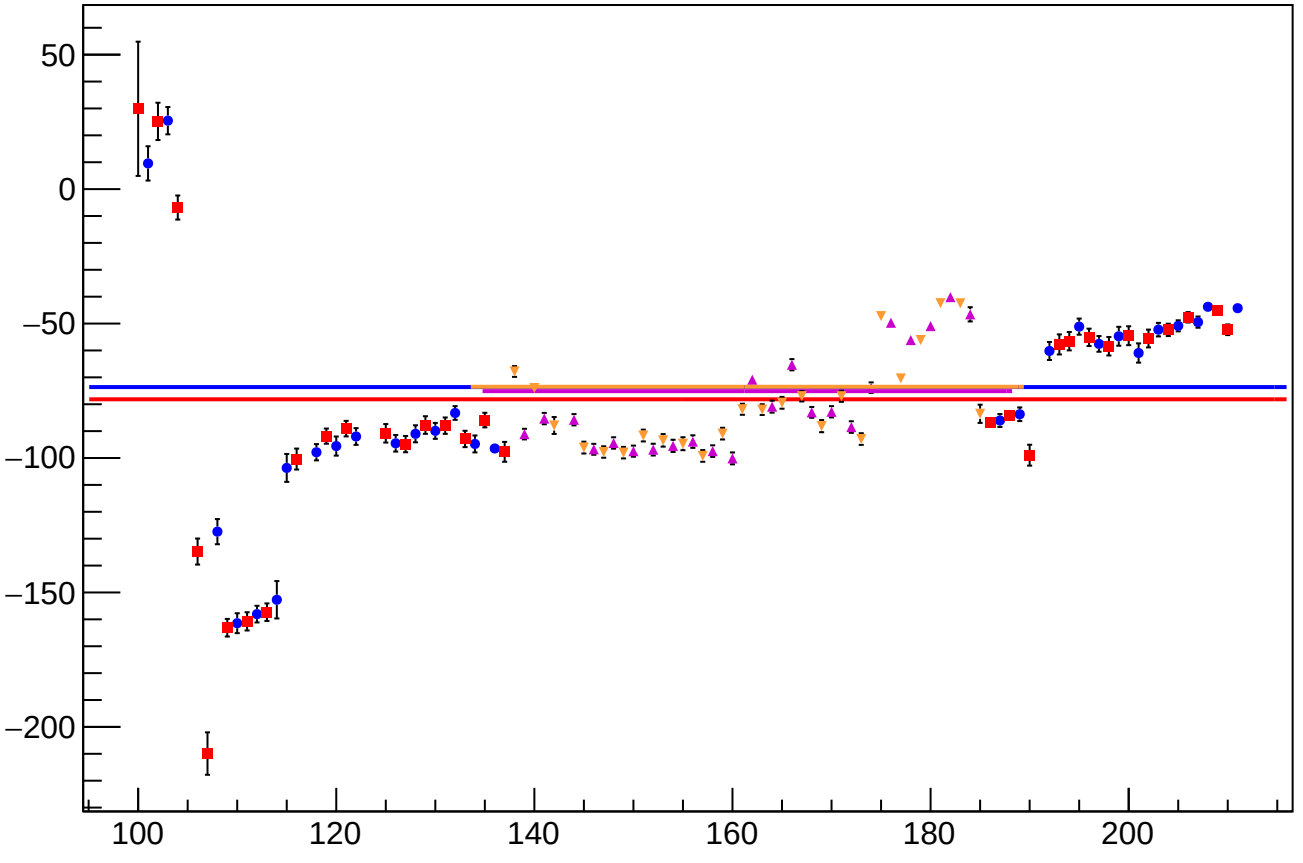
Left In: 4.727+/-0.321 χ^2/NDF:496.0/22

+ sign 4.094+/-0.279 χ^2/NDF: 794.1/51

All: 3.793+/-0.198 χ^2/NDF: 1454.6/105

- sign 3.485+/-0.282 χ^2/NDF: 658.1/53

reg_asym_us_dd_at1lr_dd_dd_diff_bpm4eX_slope vs Slug



Right In: -73.619+/-0.529 χ^2/NDF: 3675.6/27

Left Out: -73.506+/-0.405 χ^2/NDF:2392.0/23

Right Out: -78.164+/-0.498 χ^2/NDF: 4216.9/30

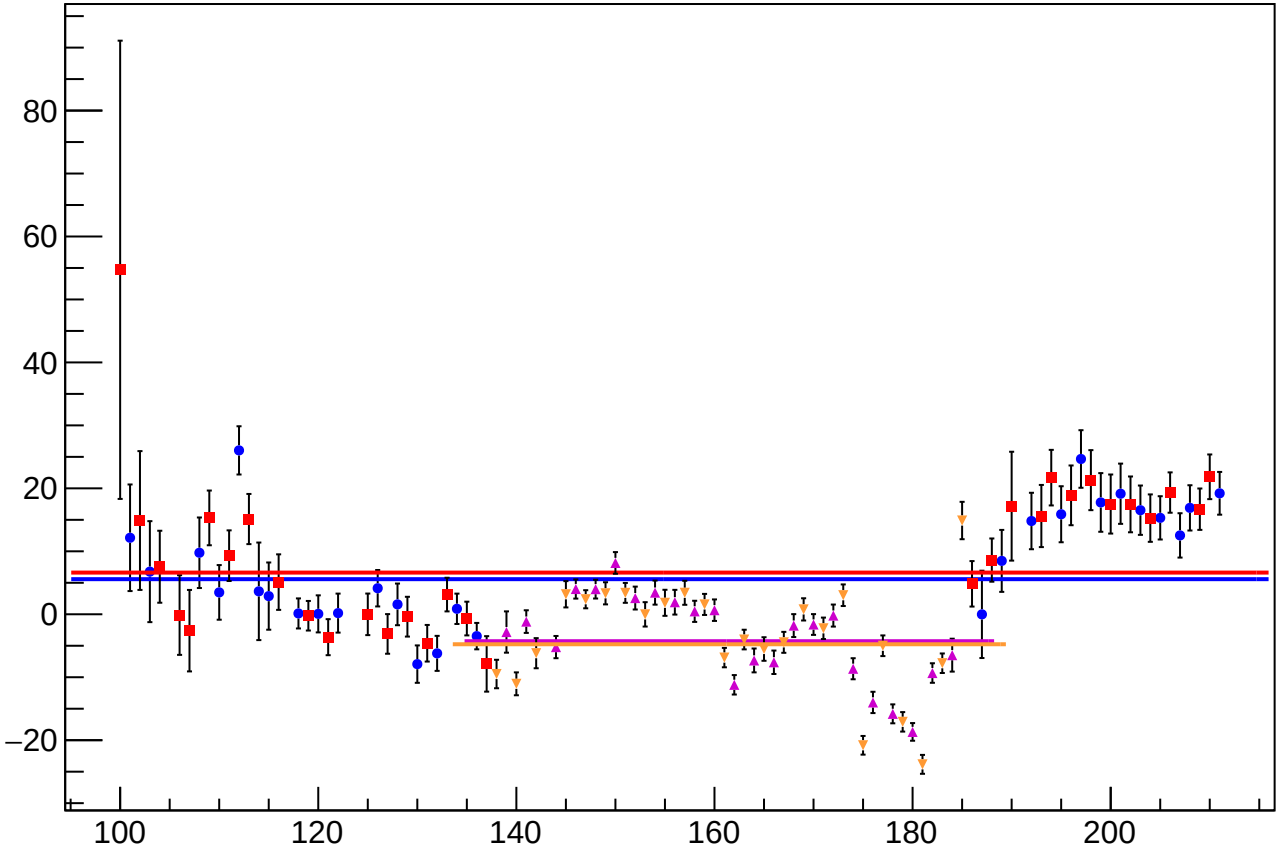
Left In: -75.133+/-0.410 χ^2/NDF:2361.9/22

+ sign -73.547+/-0.322 χ^2/NDF: 6067.6/51

All: -74.976+/-0.226 χ^2/NDF: 12707.3/105

- sign -76.358+/-0.316 χ^2/NDF: 6600.9/53

reg_asym_us_dd_at1lr_dd_dd_diff_bpm4eY_slope vs Slug



Right In: 5.575+/-0.678 χ^2/NDF: 193.4/27

Left Out: -4.762+/-0.355 χ^2/NDF:576.9/23

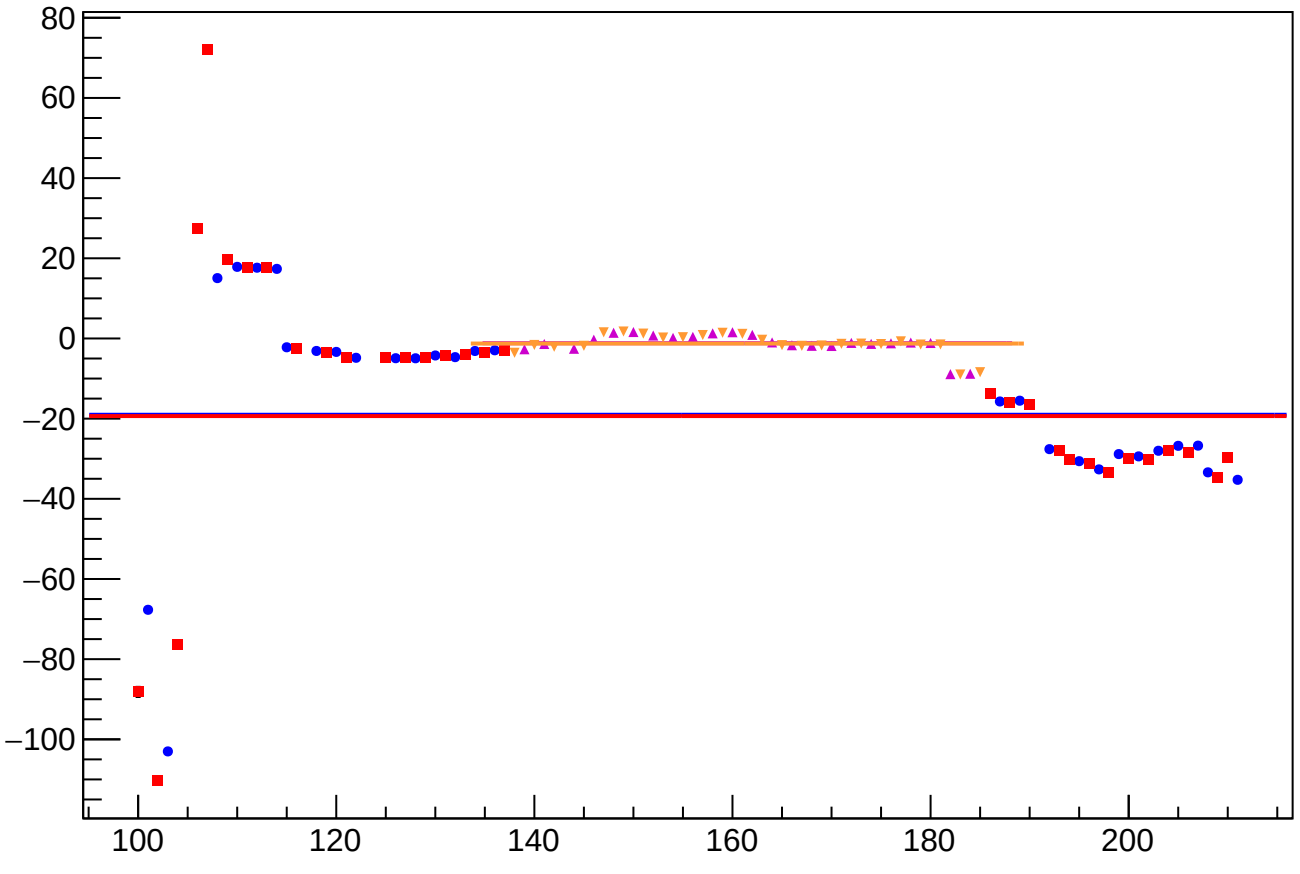
Right Out: 6.621+/-0.681 χ^2/NDF: 182.8/30

Left In: -4.278+/-0.361 χ^2/NDF:424.1/22

\+ sign -2.539+/-0.314 χ^2/NDF: 952.9/51

All: -2.218+/-0.224 χ^2/NDF: 1761.8/105

\- sign -1.889+/-0.319 χ^2/NDF: 806.8/53



Right In: -19.033+/-0.033 χ^2/NDF: 388034.4/27

Left Out: -1.267+/-0.016 χ^2/NDF:25091.1/23

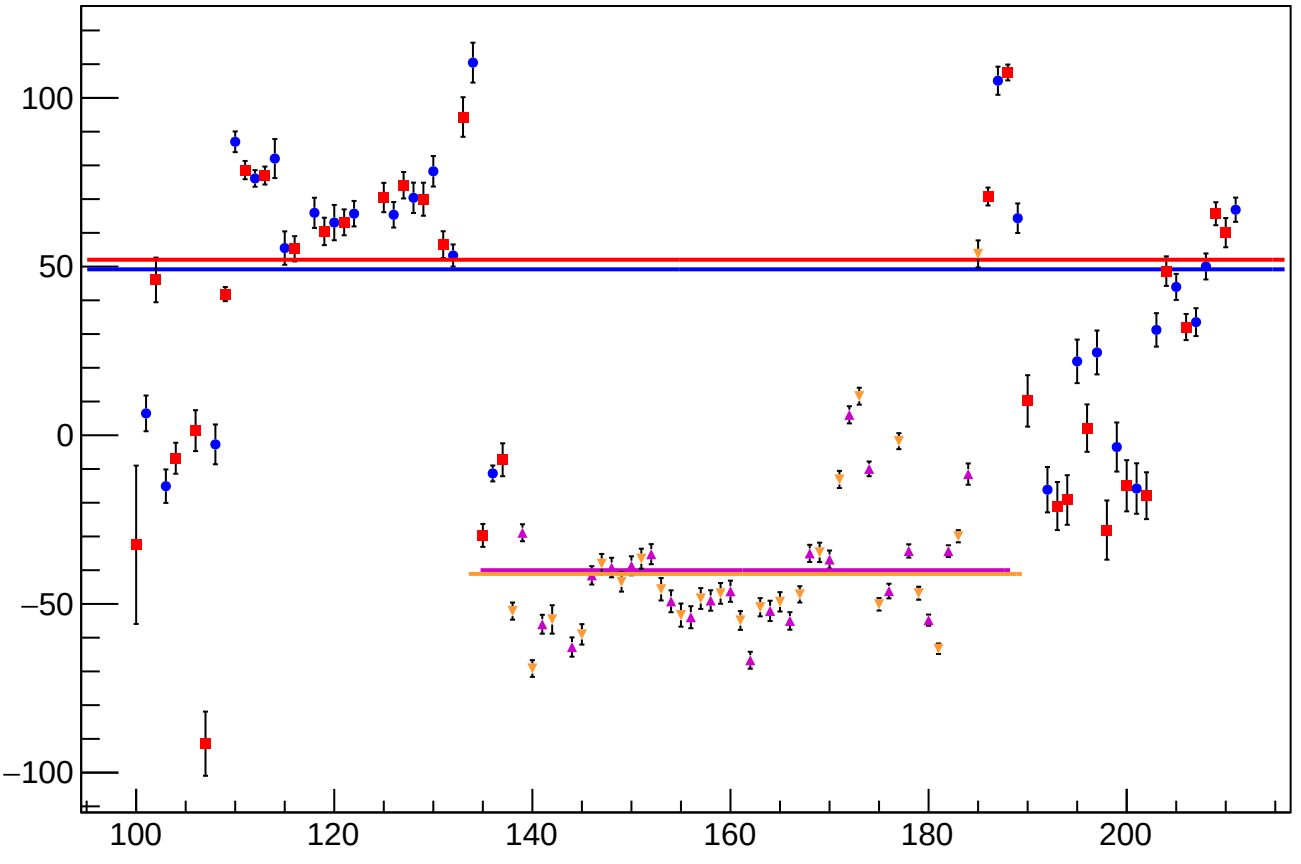
Right Out: -19.358+/-0.033 χ^2/NDF: 477913.8/30

Left In: -1.180+/-0.016 χ^2/NDF:24754.1/22

+ sign -4.671+/-0.014 χ^2/NDF: 653420.8/51

All: -4.651+/-0.010 χ^2/NDF: 1402485.1/105

- sign -4.630+/-0.014 χ^2/NDF: 749060.1/53



Right In: 49.188+/-0.791 χ^2/NDF: 2005.1/27

Left Out: -41.097+/-0.517 χ^2/NDF:1948.2/23

Right Out: 52.031+/-0.725 χ^2/NDF: 2732.3/30

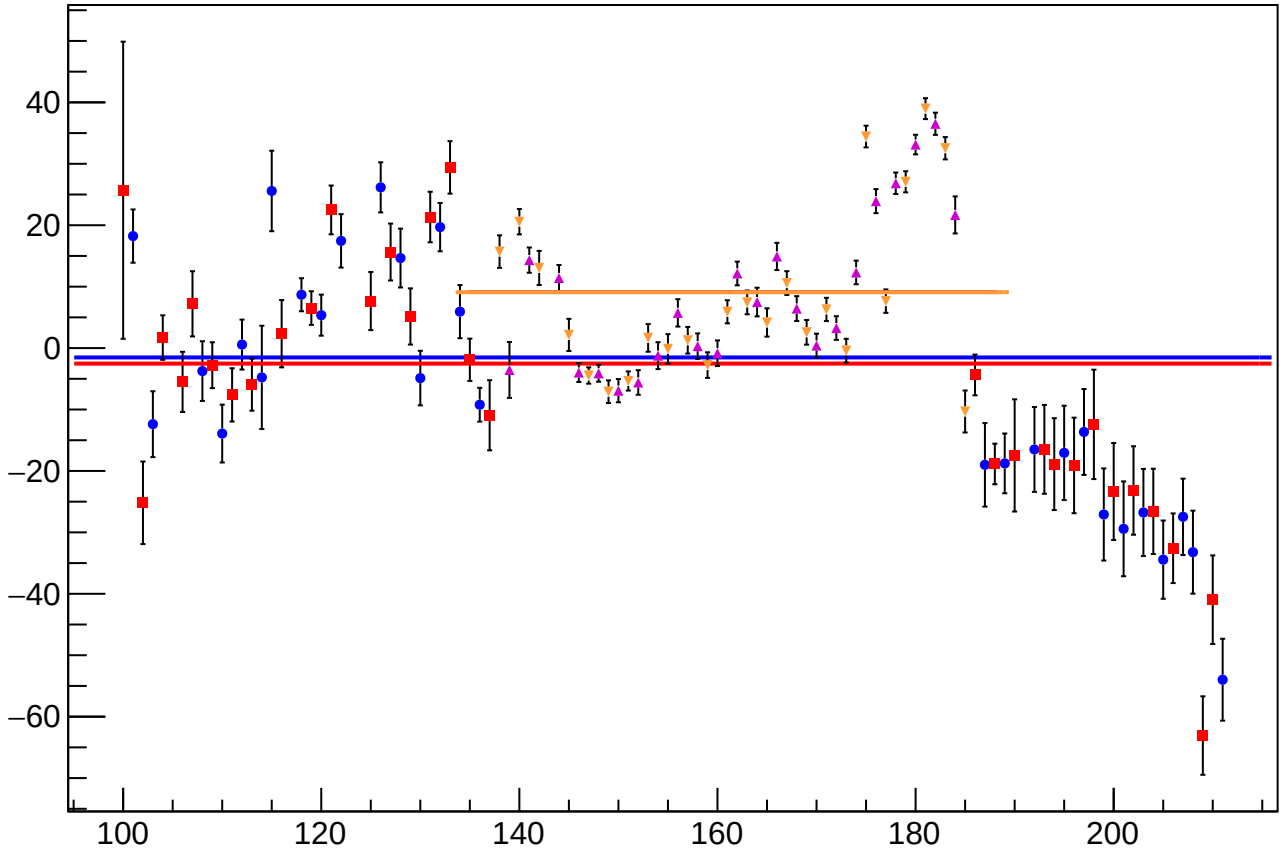
Left In: -40.000+/-0.524 χ^2/NDF:1031.8/22

\+ sign -14.024+/-0.433 χ^2/NDF: 13085.5/51

All: -11.157+/-0.303 χ^2/NDF: 27517.2/105

\- sign -8.396+/-0.425 χ^2/NDF: 14345.6/53

reg_asym_us_dd_at2lr_dd_avg_diff_bpm4aY_slope vs Slug



Right In: -1.523+/-0.902 χ^2/NDF: 381.6/27

Left Out: 9.094+/-0.401 χ^2/NDF:1253.7/23

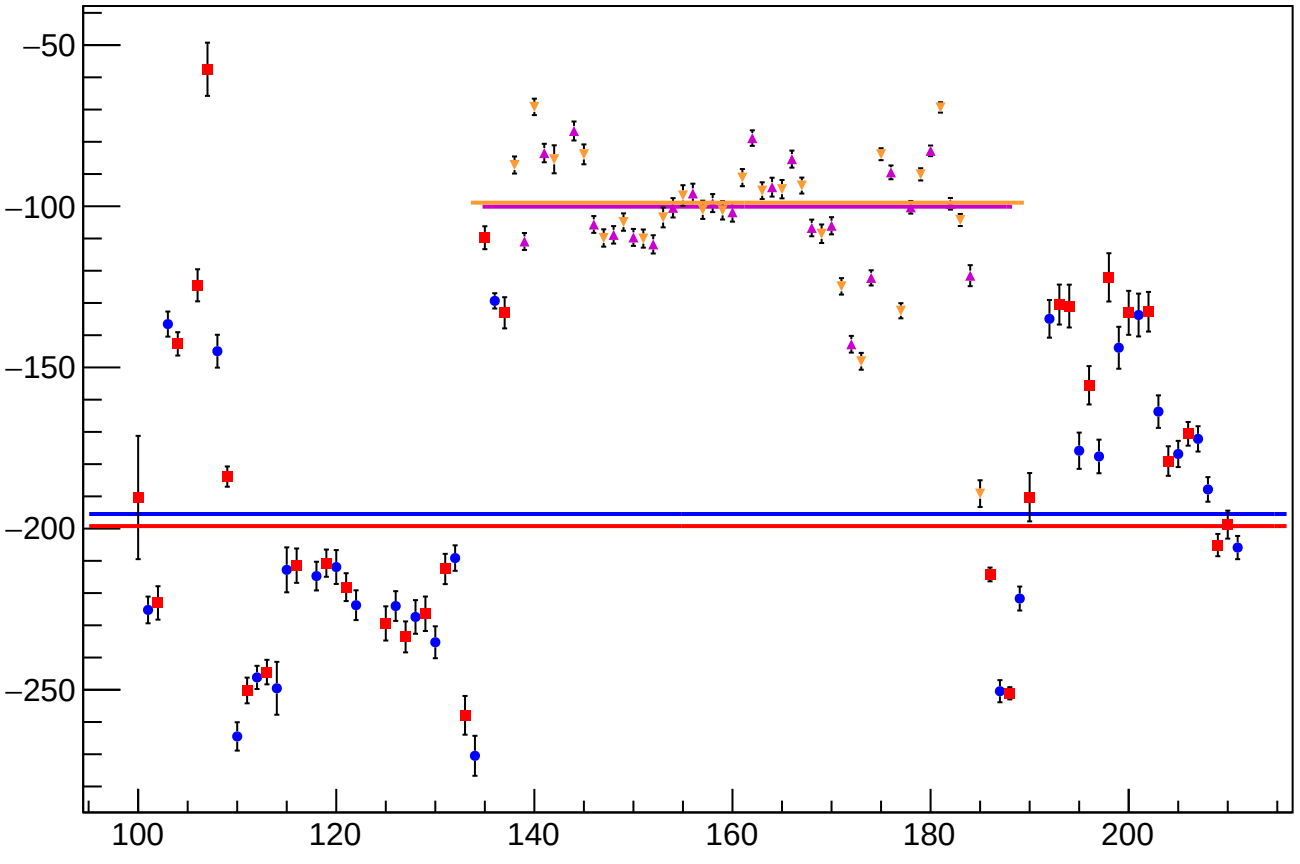
Right Out: -2.526+/-0.861 χ^2/NDF: 401.1/30

Left In: 9.121+/-0.409 χ^2/NDF:1051.8/22

+ sign 7.338+/-0.367 χ^2/NDF: 1751.1/51

All: 7.160+/-0.260 χ^2/NDF: 3353.7/105

- sign 6.978+/-0.369 χ^2/NDF: 1602.1/53



Right In: -195.470+/-0.827 χ^2/NDF: 2706.4/27

Left Out: -98.883+/-0.514 χ^2/NDF:1824.5/23

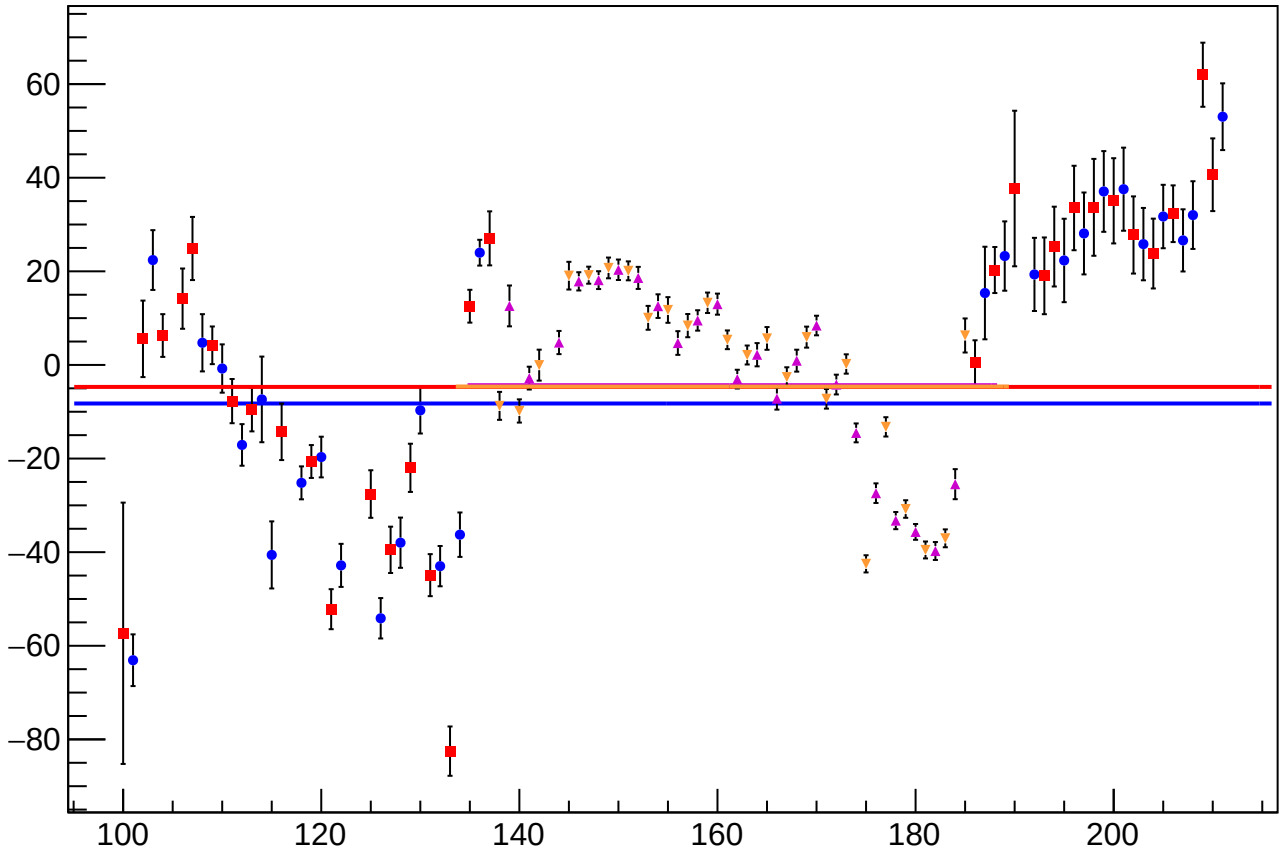
Right Out: -199.218+/-0.751 χ^2/NDF: 3660.6/30

Left In: -100.127+/-0.520 χ^2/NDF:823.2/22

+ sign -125.831+/-0.437 χ^2/NDF: 14377.3/51

All: -129.113+/-0.305 χ^2/NDF: 30743.9/105

- sign -132.260+/-0.428 χ^2/NDF: 16255.9/53



Right In: -8.238+/-1.031 χ^2/NDF: 925.9/27

Left Out: -4.618+/-0.451 χ^2/NDF:2078.3/23

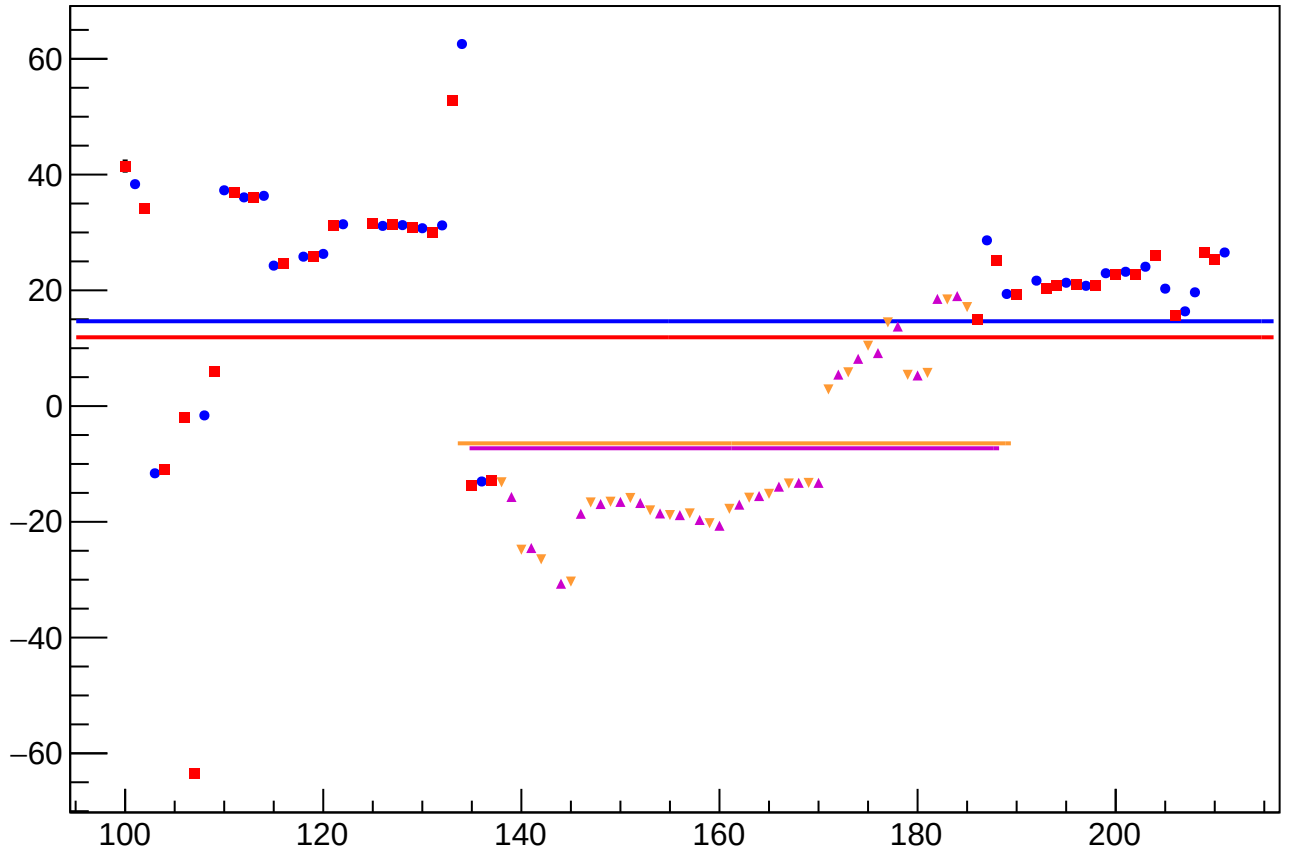
Right Out: -4.696+/-1.006 χ^2/NDF: 926.7/30

Left In: -4.328+/-0.459 χ^2/NDF:1854.2/22

+ sign -5.200+/-0.413 χ^2/NDF: 3014.6/51

All: -4.800+/-0.294 χ^2/NDF: 5797.5/105

- sign -4.392+/-0.417 χ^2/NDF: 2781.0/53



Right In: 14.657+/-0.050 χ^2/NDF: 176776.2/27

Left Out: -6.437+/-0.020 χ^2/NDF:496714.6/23

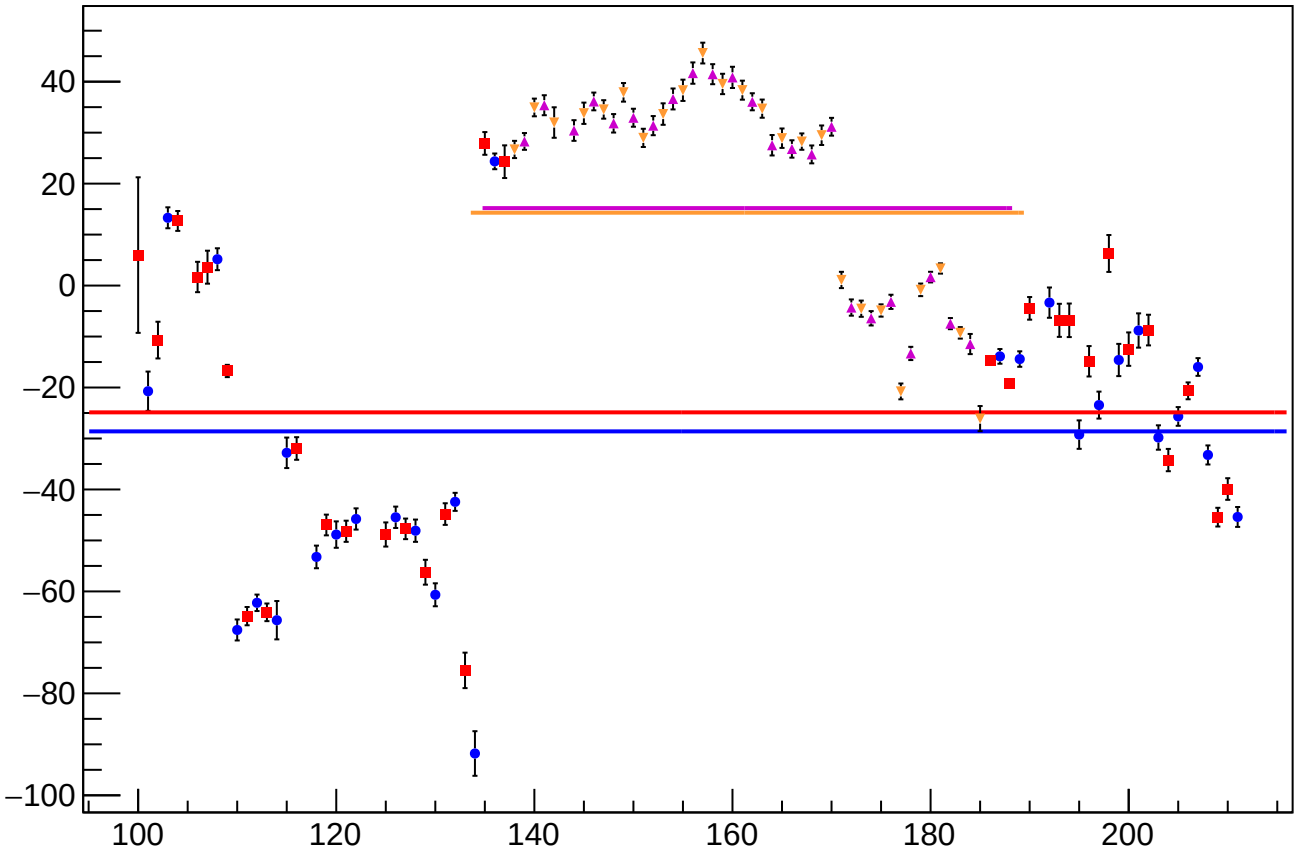
Right Out: 11.886+/-0.049 χ^2/NDF: 181602.2/30

Left In: -7.292+/-0.020 χ^2/NDF:488261.5/22

+ sign -3.493+/-0.019 χ^2/NDF: 825816.8/51

All: -4.010+/-0.013 χ^2/NDF: 1625730.3/105

- sign -4.530+/-0.019 χ^2/NDF: 798383.2/53



Right In: -28.605+/-0.403 χ^2/NDF: 4066.4/27

Left Out: 14.295+/-0.335 χ^2/NDF:3726.3/23

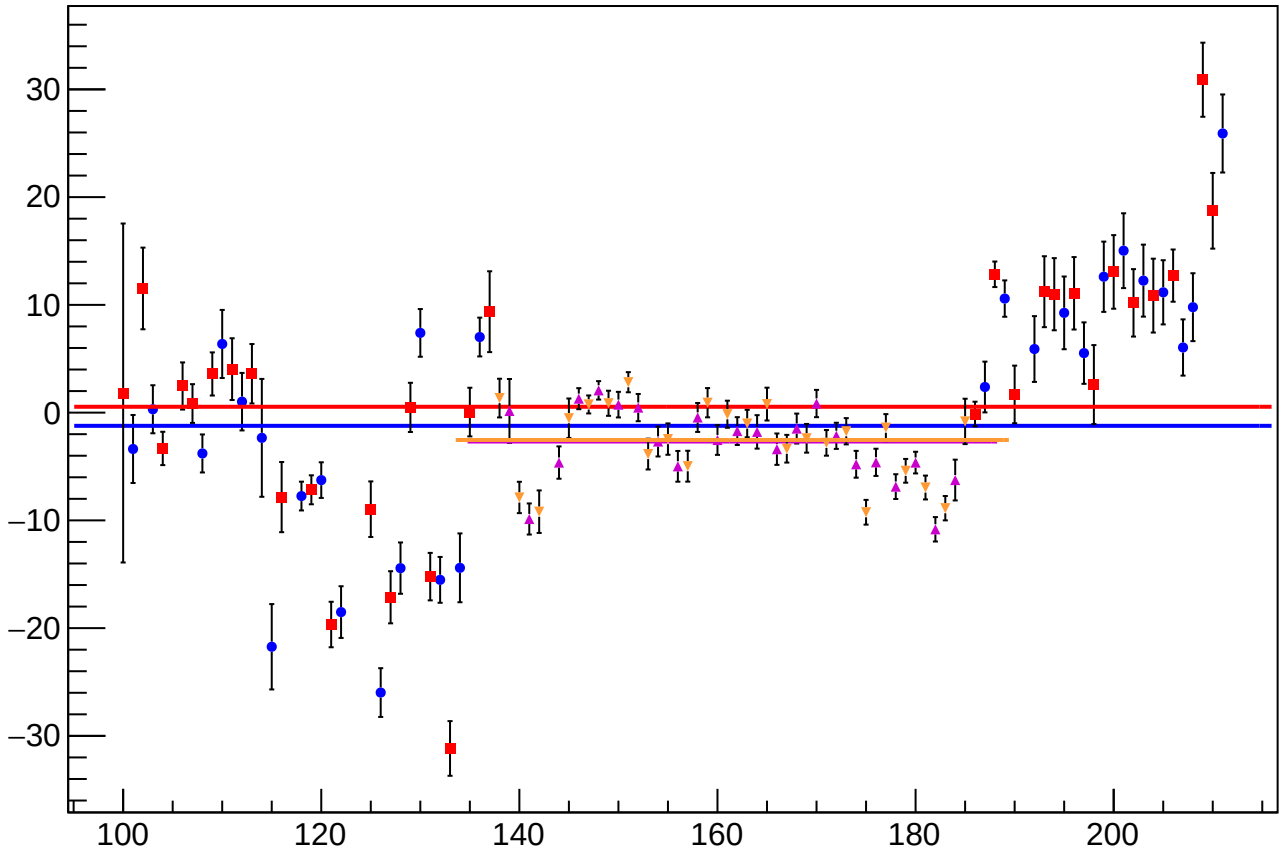
Right Out: -24.874+/-0.350 χ^2/NDF: 3987.5/30

Left In: 15.194+/-0.339 χ^2/NDF:3406.6/22

+ sign -3.272+/-0.258 χ^2/NDF: 14499.8/51

All: -3.783+/-0.177 χ^2/NDF: 28660.4/105

- sign -4.240+/-0.244 χ^2/NDF: 14153.1/53



Right In: -1.225+/-0.456 χ^2/NDF: 591.7/27

Left Out: -2.538+/-0.259 χ^2/NDF:198.4/23

Right Out: 0.544+/-0.405 χ^2/NDF: 732.1/30

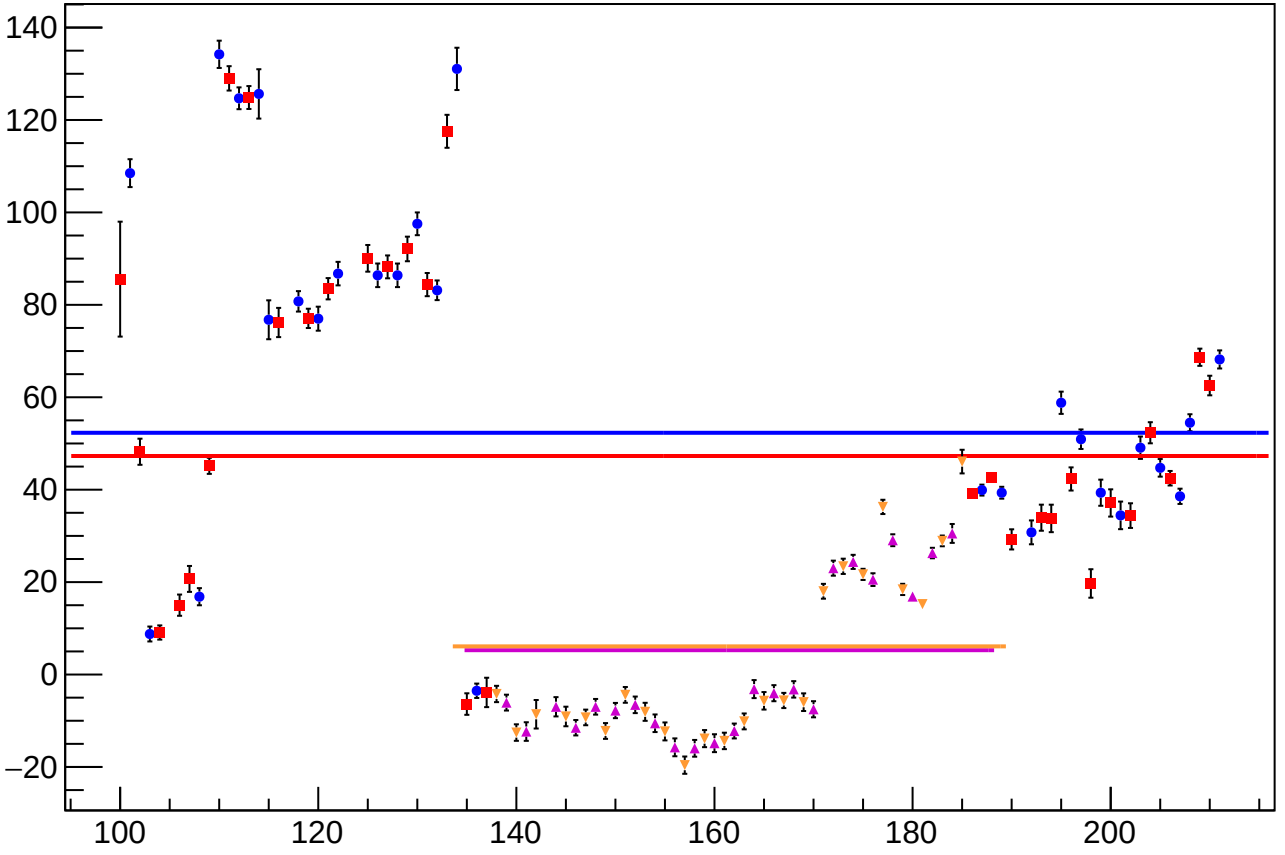
Left In: -2.681+/-0.265 χ^2/NDF:182.0/22

+ sign -2.217+/-0.225 χ^2/NDF: 796.4/51

All: -1.962+/-0.158 χ^2/NDF: 1757.5/105

- sign -1.715+/-0.222 χ^2/NDF: 958.6/53

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4eX_slope vs Slug



Right In: 52.315+/-0.398 χ^2/NDF: 6799.3/27

Left Out: 6.095+/-0.333 χ^2/NDF:2773.9/23

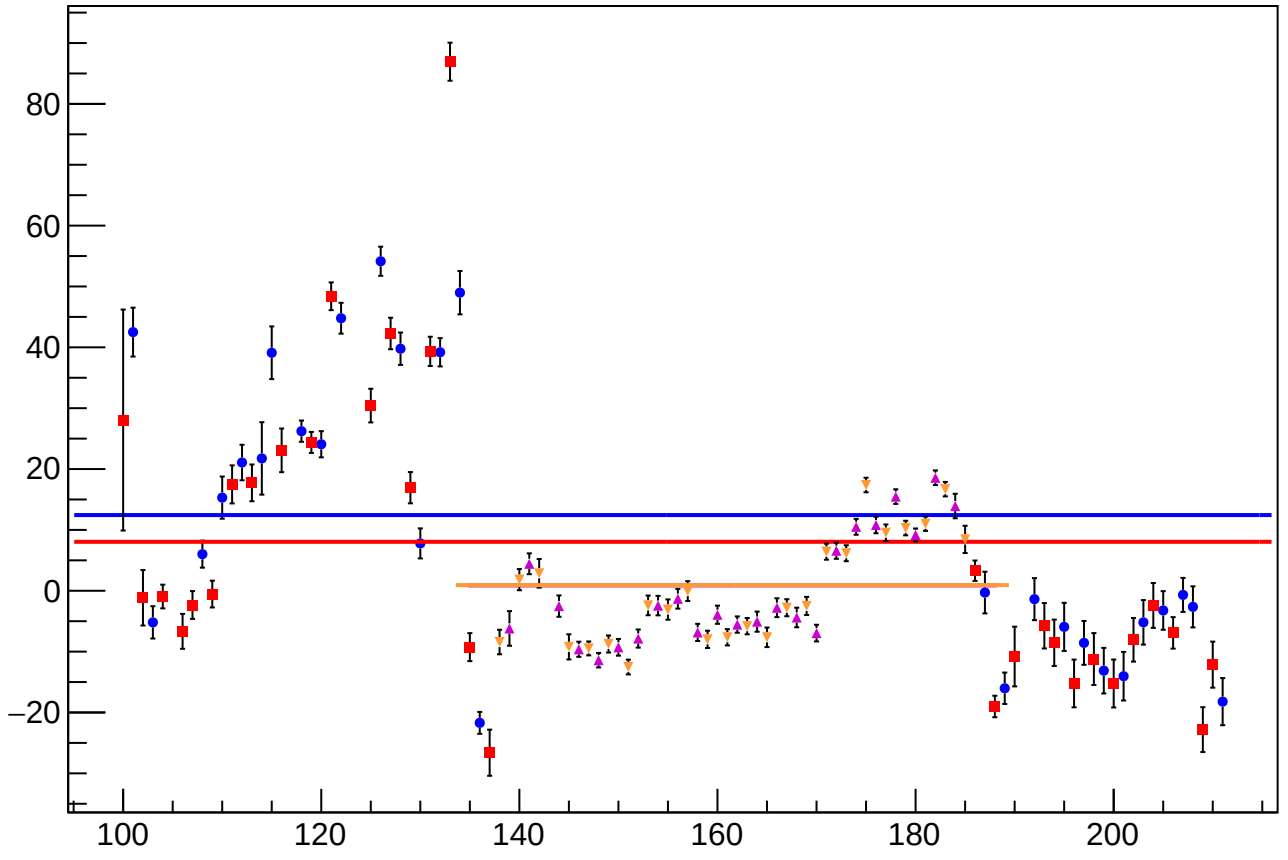
Right Out: 47.290+/-0.333 χ^2/NDF: 6153.3/30

Left In: 5.269+/-0.337 χ^2/NDF:2451.2/22

\+ sign 25.106+/-0.255 χ^2/NDF: 17503.4/51

All: 25.840+/-0.174 χ^2/NDF: 33990.2/105

\- sign 26.472+/-0.237 χ^2/NDF: 16471.4/53



Right In: 12.438+/-0.535 χ^2/NDF: 1871.4/27

Left Out: 0.929+/-0.292 χ^2/NDF:1041.7/23

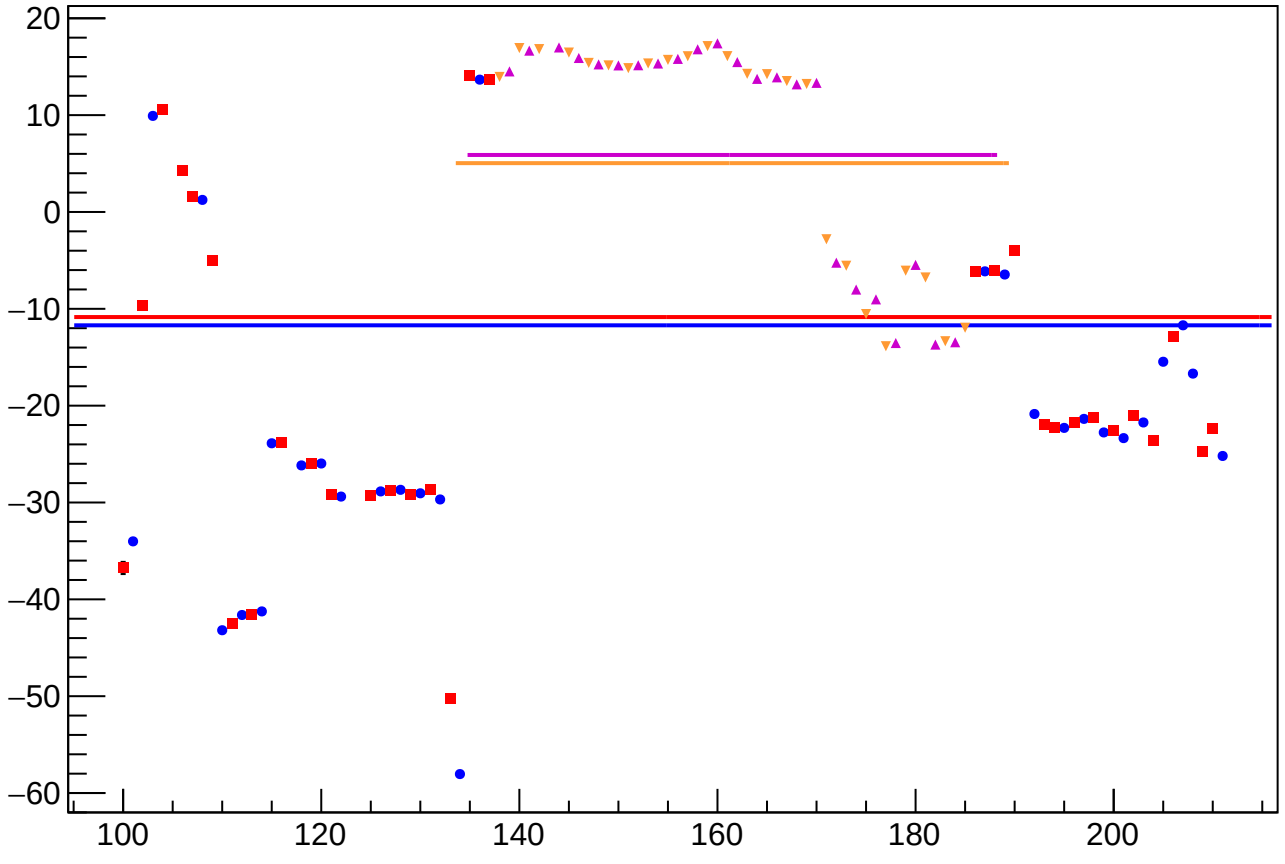
Right Out: 8.045+/-0.494 χ^2/NDF: 2267.5/30

Left In: 0.878+/-0.297 χ^2/NDF:1006.0/22

+ sign 3.567+/-0.256 χ^2/NDF: 3269.6/51

All: 3.174+/-0.181 χ^2/NDF: 6702.5/105

- sign 2.786+/-0.255 χ^2/NDF: 3428.3/53



Right In: -11.704+/-0.025 χ^2/NDF: 495126.5/27

Left Out: 5.042+/-0.013 χ^2/NDF:855564.2/23

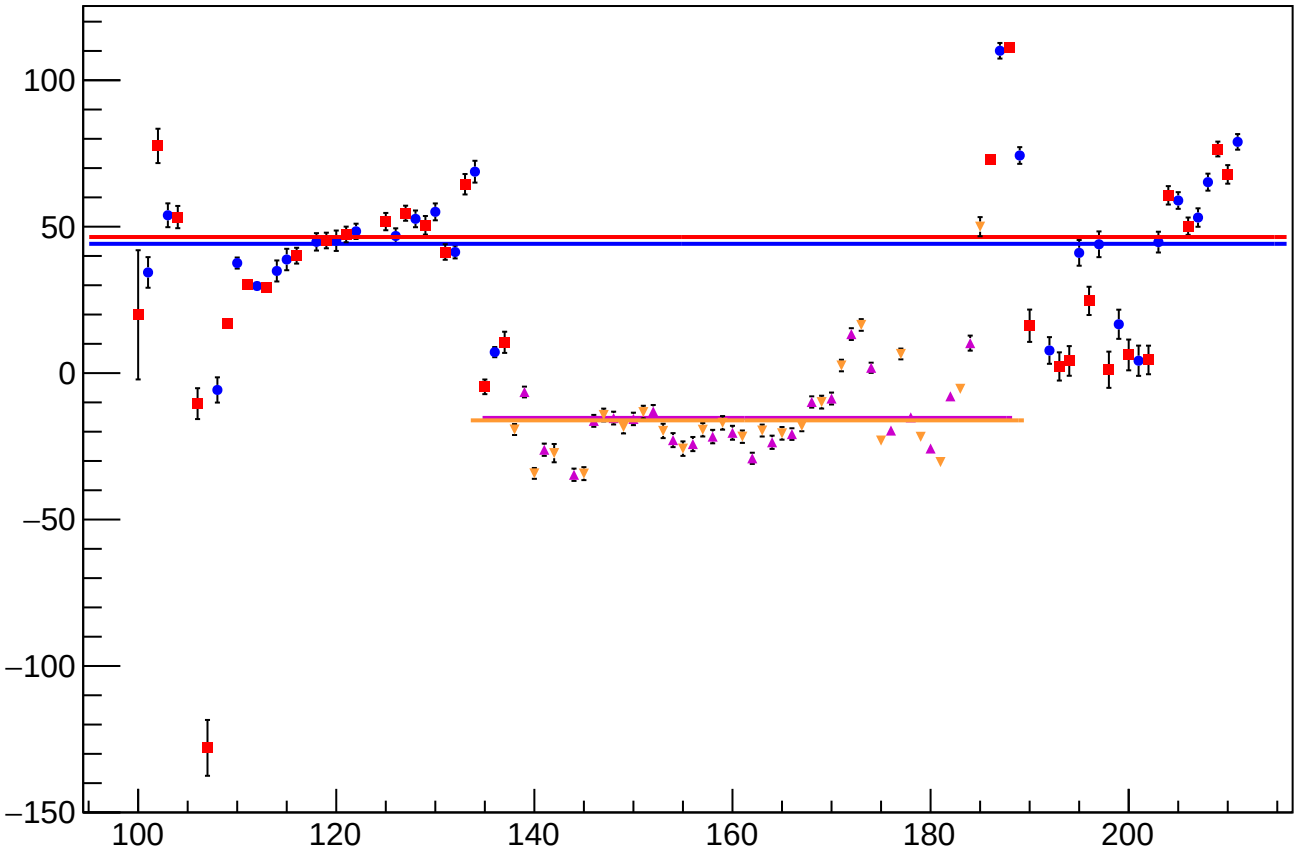
Right Out: -10.851+/-0.024 χ^2/NDF: 418854.6/30

Left In: 5.886+/-0.013 χ^2/NDF:846355.0/22

+ sign 1.340+/-0.012 χ^2/NDF: 1714047.1/51

All: 1.645+/-0.008 χ^2/NDF: 3361966.9/105

- sign 1.948+/-0.011 χ^2/NDF: 1646525.3/53



Right In: 44.144+/-0.544 χ^2/NDF: 1908.2/27

Left Out: -16.132+/-0.398 χ^2/NDF:1364.9/23

Right Out: 46.468+/-0.498 χ^2/NDF: 4293.3/30

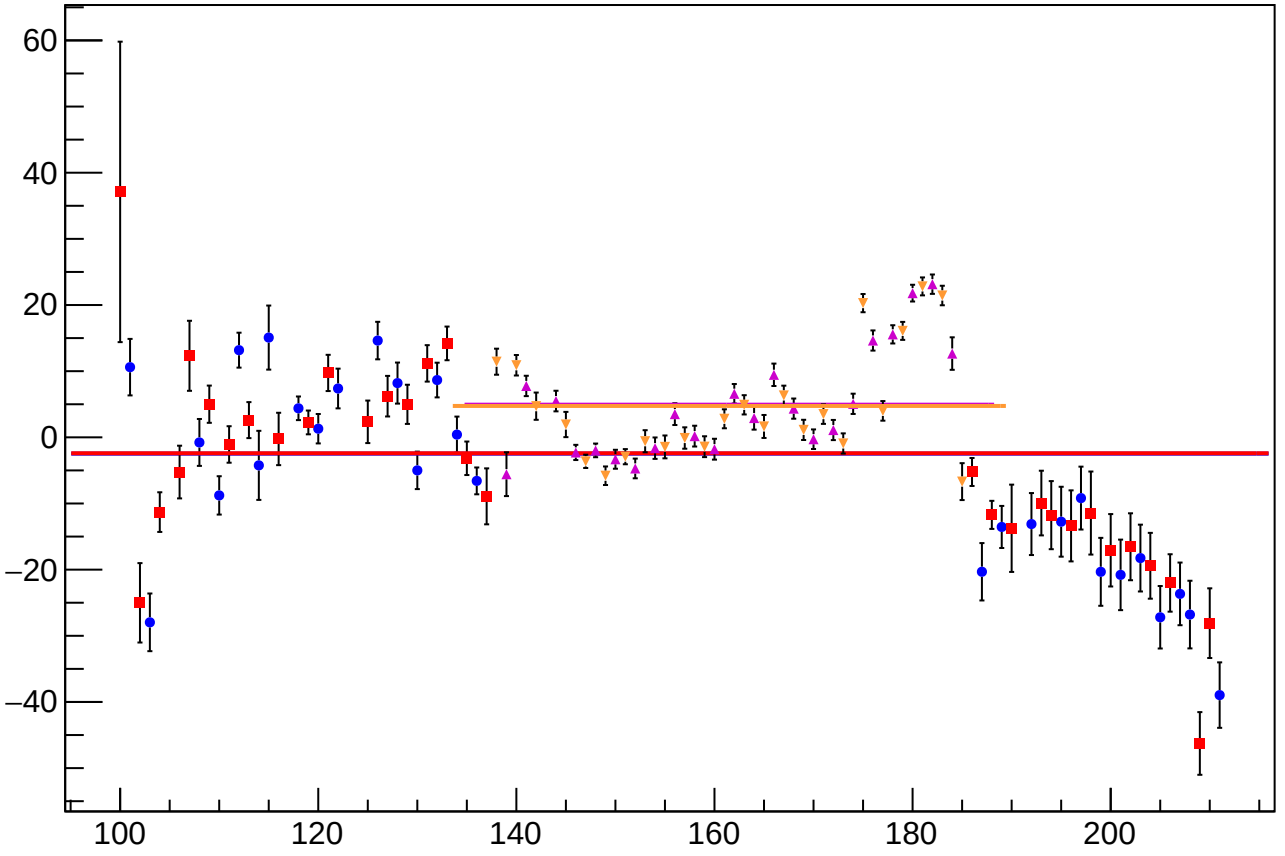
Left In: -15.295+/-0.403 χ^2/NDF:760.9/22

+ sign 4.868+/-0.321 χ^2/NDF: 11267.8/51

All: 7.054+/-0.224 χ^2/NDF: 25693.6/105

- sign 9.136+/-0.313 χ^2/NDF: 14335.4/53

reg_asym_us_dd_atlr_dd_avg_diff_bpm4aY_slope vs Slug



Right In: -2.465+/-0.621 χ^2/NDF: 395.7/27

Left Out: 4.745+/-0.307 χ^2/NDF:793.8/23

Right Out: -2.409+/-0.597 χ^2/NDF: 349.8/30

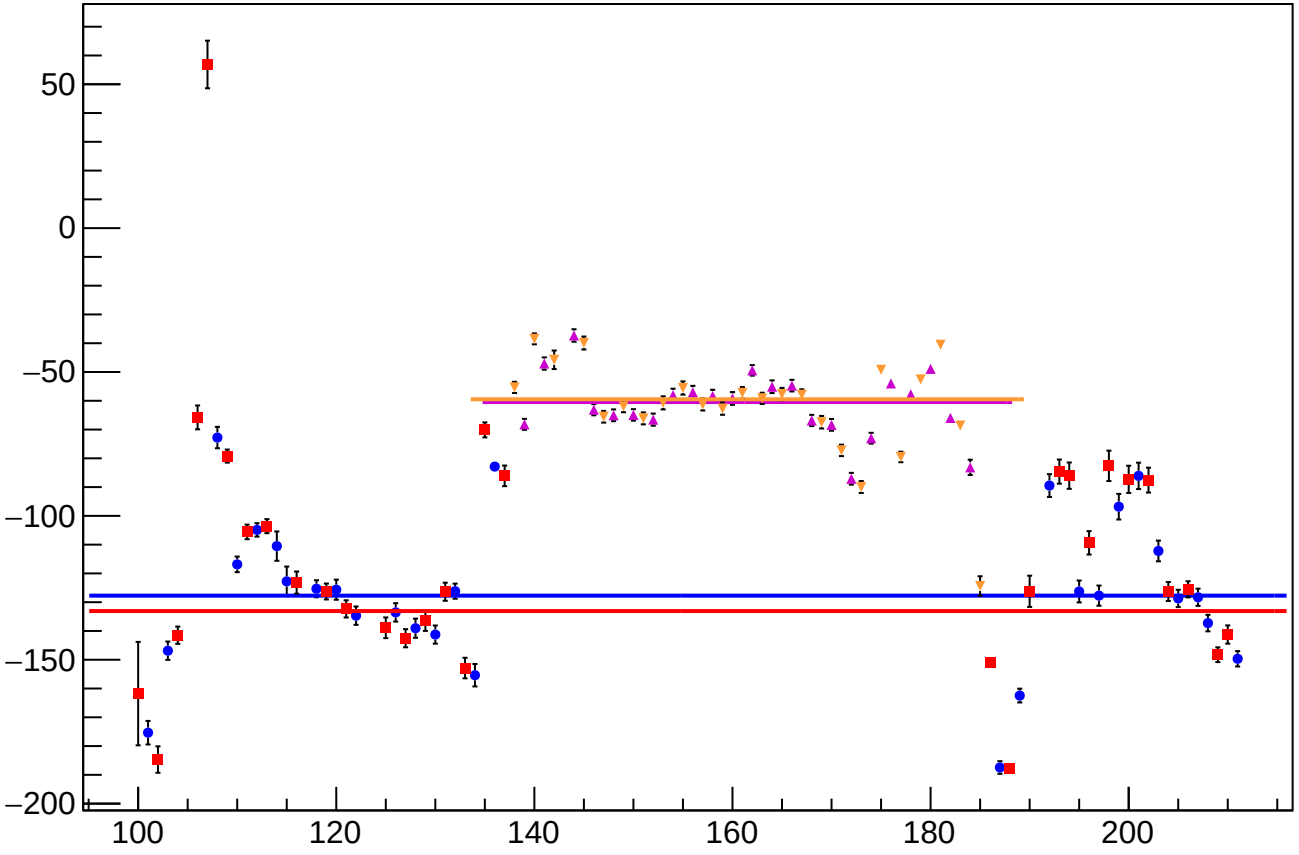
Left In: 4.935+/-0.313 χ^2/NDF:688.4/22

+ sign 3.333+/-0.275 χ^2/NDF: 1297.8/51

All: 3.342+/-0.195 χ^2/NDF: 2454.7/105

- sign 3.350+/-0.277 χ^2/NDF: 1156.9/53

reg_asym_us_dd_atlr_dd_avg_diff_bpm4eX_slope vs Slug



Right In: -127.723+/-0.577 χ^2/NDF: 2533.9/27

Left Out: -59.480+/-0.395 χ^2/NDF:1372.3/23

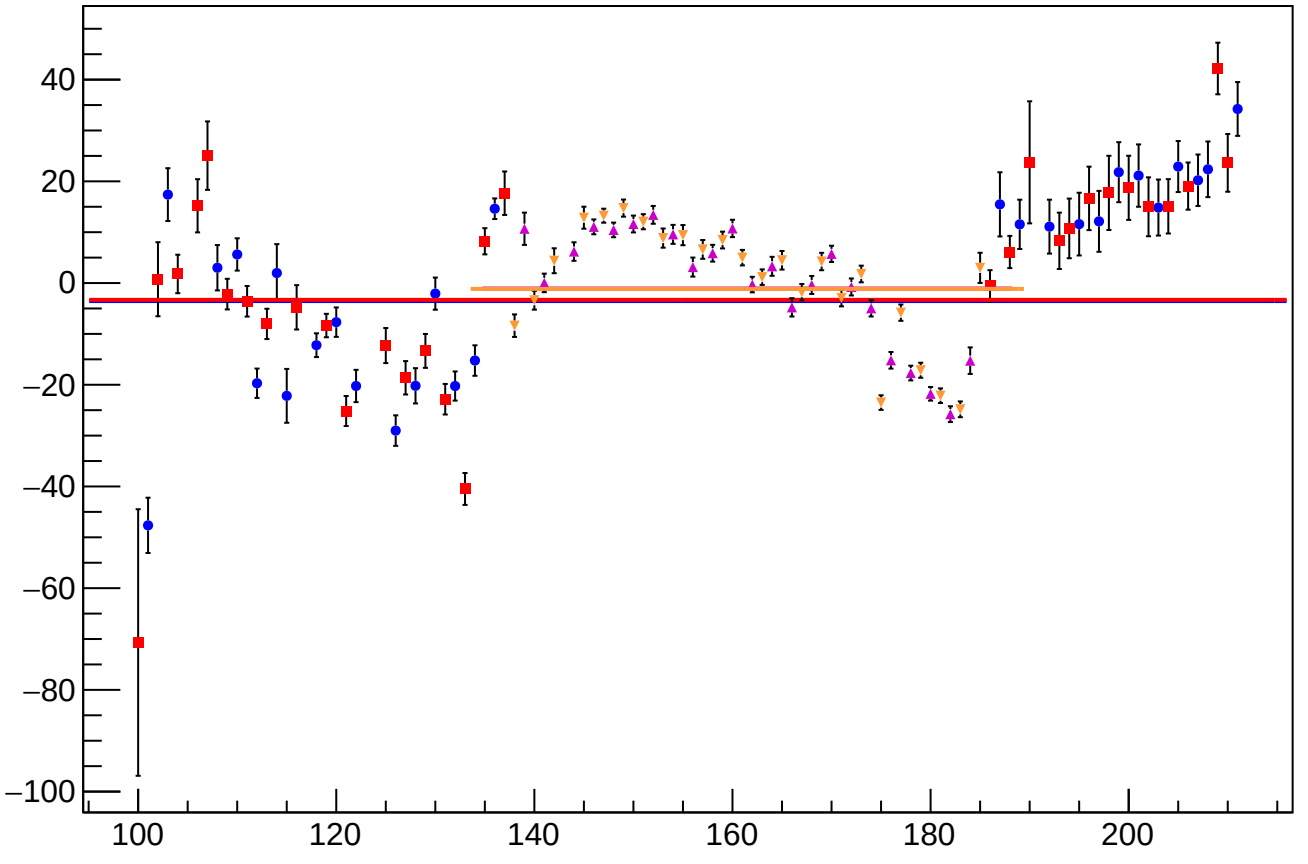
Right Out: -133.077+/-0.517 χ^2/NDF: 5369.7/30

Left In: -60.435+/-0.400 χ^2/NDF:668.3/22

\+ sign -81.233+/-0.326 χ^2/NDF: 13423.8/51

All: -84.496+/-0.227 χ^2/NDF: 32005.4/105

\- sign -87.568+/-0.316 χ^2/NDF: 18386.9/53



Right In: -3.542+/-0.712 χ^2/NDF: 613.6/27

Left Out: -1.144+/-0.346 χ^2/NDF:1303.0/23

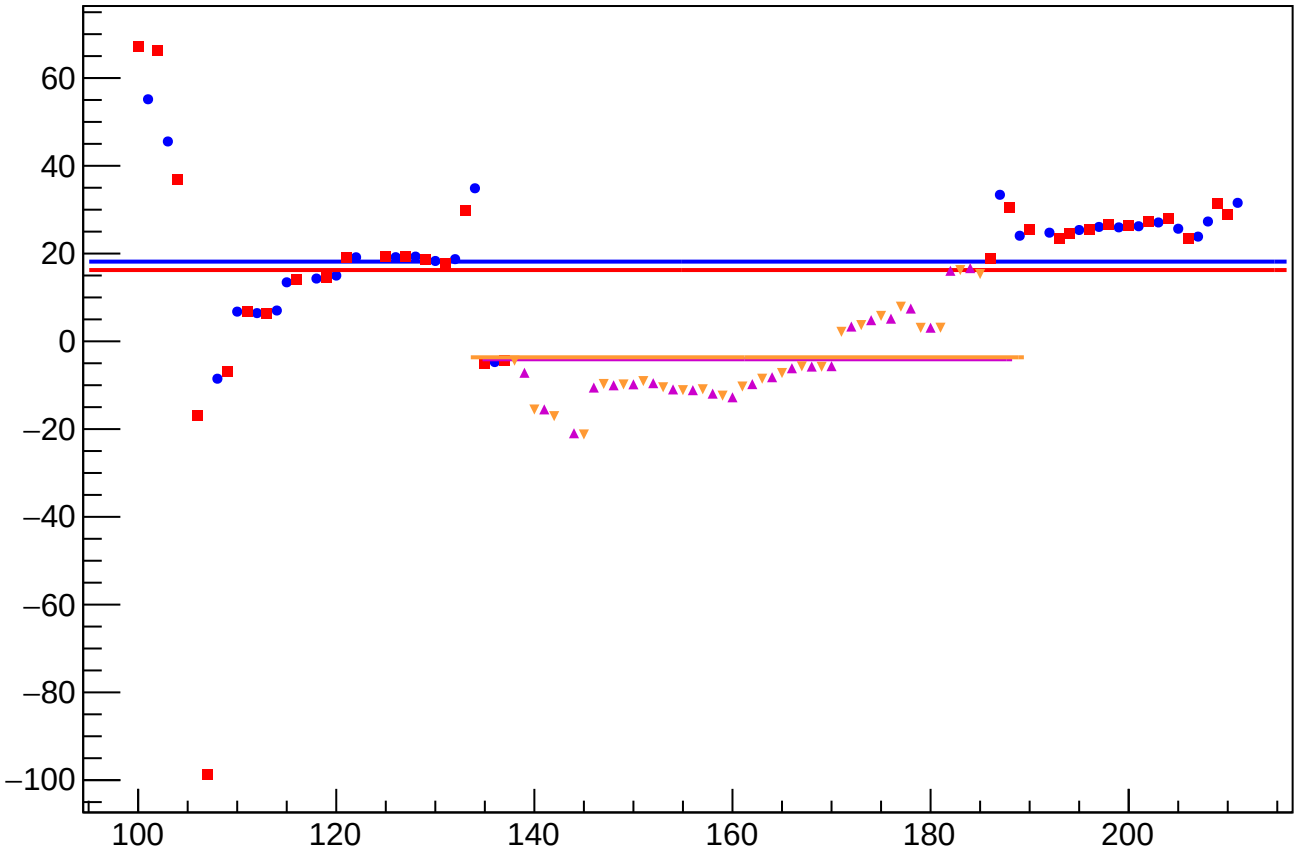
Right Out: -3.303+/-0.699 χ^2/NDF: 569.5/30

Left In: -1.082+/-0.352 χ^2/NDF:1157.4/22

+ sign -1.601+/-0.311 χ^2/NDF: 1925.8/51

All: -1.566+/-0.221 χ^2/NDF: 3660.7/105

- sign -1.531+/-0.314 χ^2/NDF: 1734.9/53



Right In: 18.166+/-0.036 χ^2/NDF: 214523.8/27

Left Out: -3.639+/-0.015 χ^2/NDF:345861.2/23

Right Out: 16.243+/-0.036 χ^2/NDF: 349993.1/30

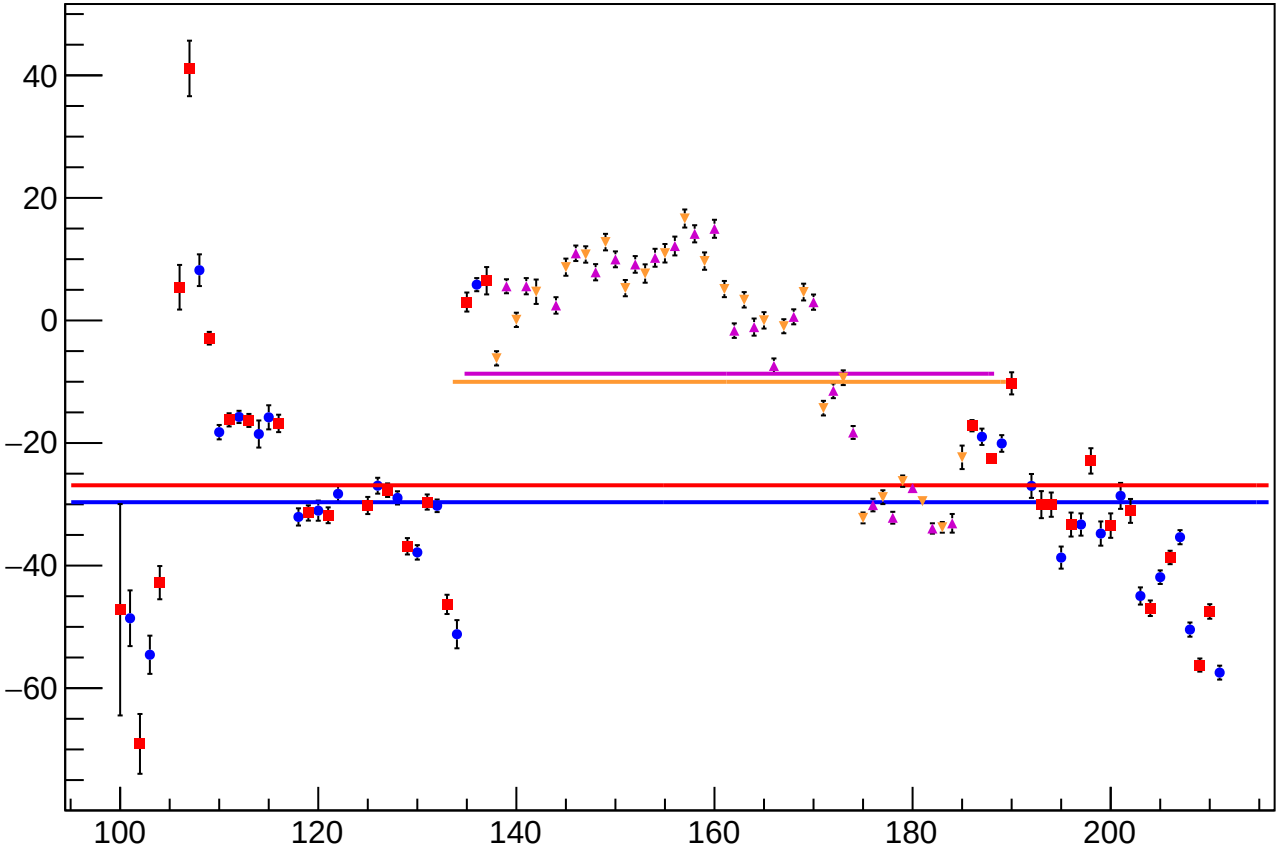
Left In: -4.091+/-0.016 χ^2/NDF:333287.4/22

+ sign -0.223+/-0.014 χ^2/NDF: 872330.4/51

All: -0.555+/-0.010 χ^2/NDF: 1826614.4/105

- sign -0.889+/-0.014 χ^2/NDF: 953187.0/53

reg_asym_us_dd_atlr_dd_dd_diff_bpm1X_slope vs Slug



Right In: -29.657+/-0.265 χ^2/NDF: 3233.0/27

Left Out: -10.013+/-0.244 χ^2/NDF:4977.5/23

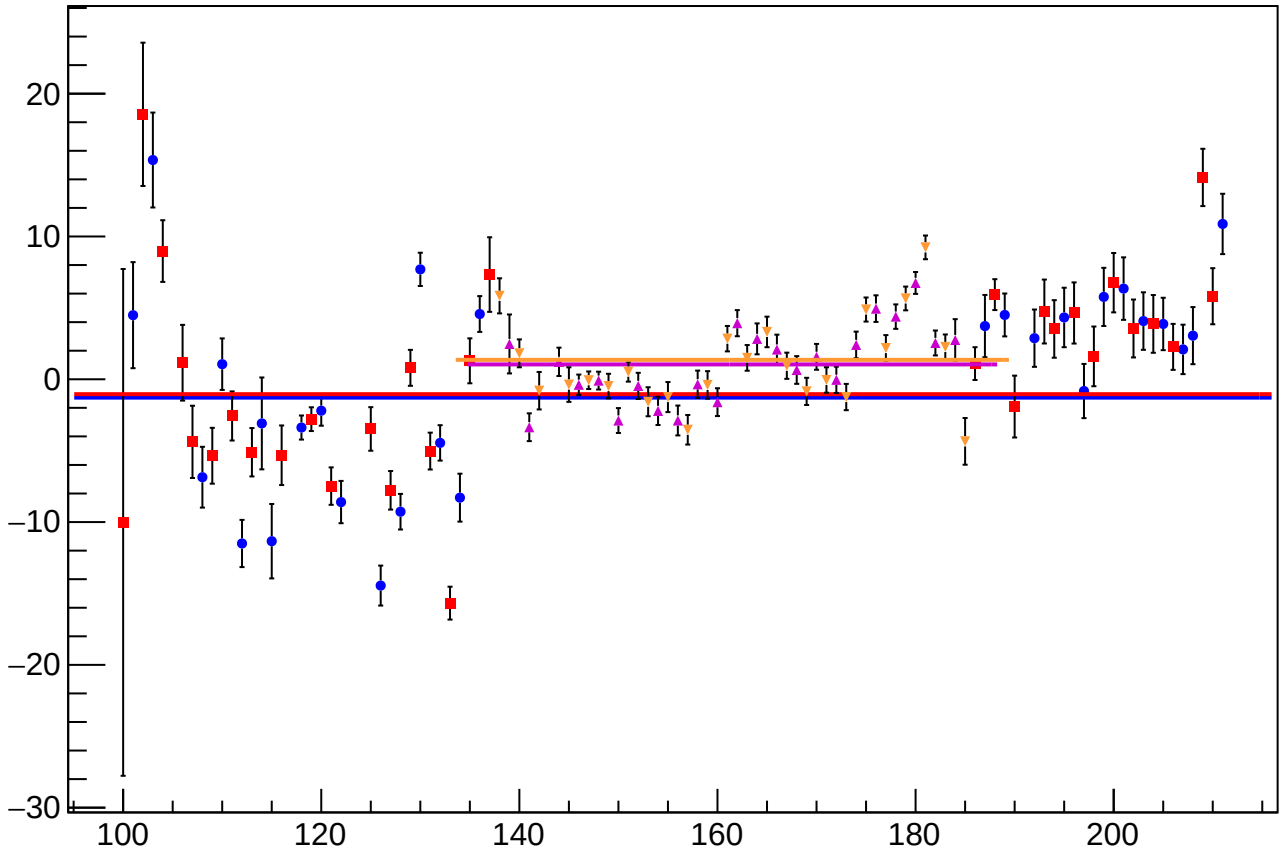
Right Out: -26.897+/-0.250 χ^2/NDF: 3719.9/30

Left In: -8.689+/-0.248 χ^2/NDF:5021.6/22

+ sign -19.021+/-0.180 χ^2/NDF: 11174.9/51

All: -18.345+/-0.126 χ^2/NDF: 22617.8/105

- sign -17.696+/-0.176 χ^2/NDF: 11415.3/53



Right In: -1.284+/-0.304 χ^2/NDF: 468.1/27

Left Out: 1.361+/-0.188 χ^2/NDF:240.3/23

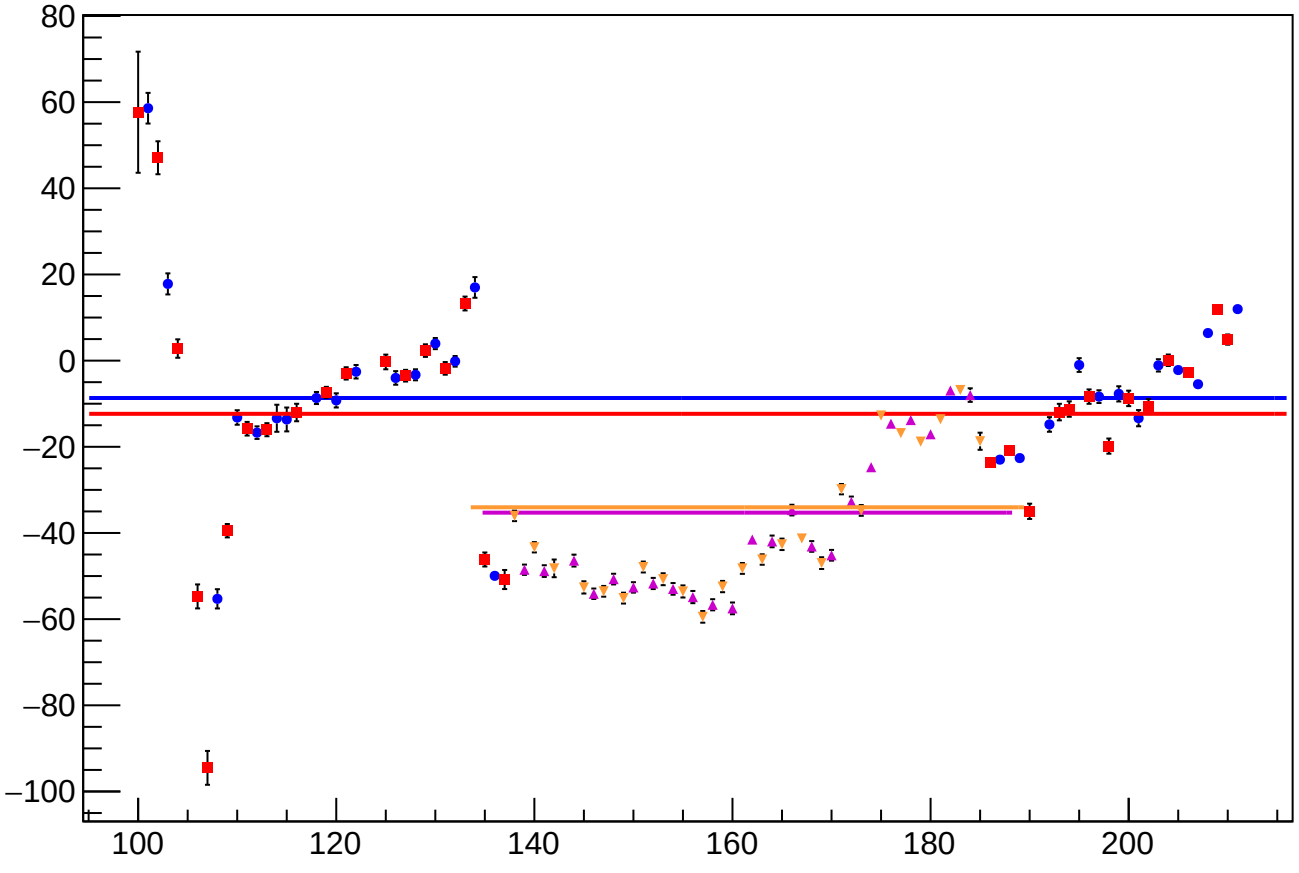
Right Out: -1.043+/-0.293 χ^2/NDF: 461.4/30

Left In: 1.041+/-0.192 χ^2/NDF:196.1/22

\+ sign 0.628+/-0.160 χ^2/NDF: 763.1/51

All: 0.522+/-0.113 χ^2/NDF: 1456.7/105

\- sign 0.414+/-0.161 χ^2/NDF: 692.7/53



Right In: -8.671+/-0.277 χ^2/NDF: 3629.5/27

Left Out: -34.036+/-0.243 χ^2/NDF:4965.7/23

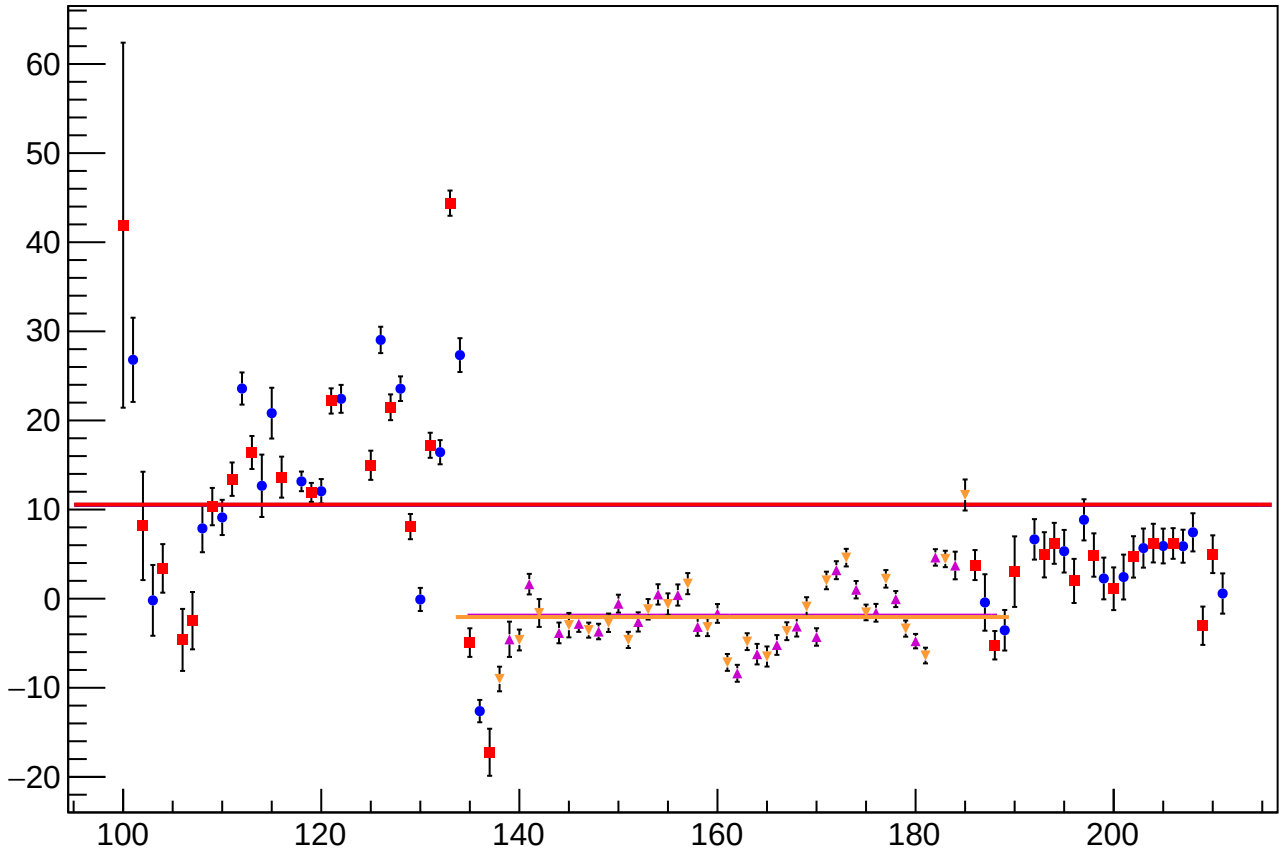
Right Out: -12.345+/-0.254 χ^2/NDF: 4087.6/30

Left In: -35.285+/-0.245 χ^2/NDF:4998.0/22

\+ sign -23.029+/-0.182 χ^2/NDF: 13341.5/51

All: -23.629+/-0.127 χ^2/NDF: 26673.6/105

\- sign -24.190+/-0.176 χ^2/NDF: 13311.2/53



Right In: 10.526+/-0.350 χ^2/NDF: 1020.3/27

Left Out: -2.062+/-0.212 χ^2/NDF:332.4/23

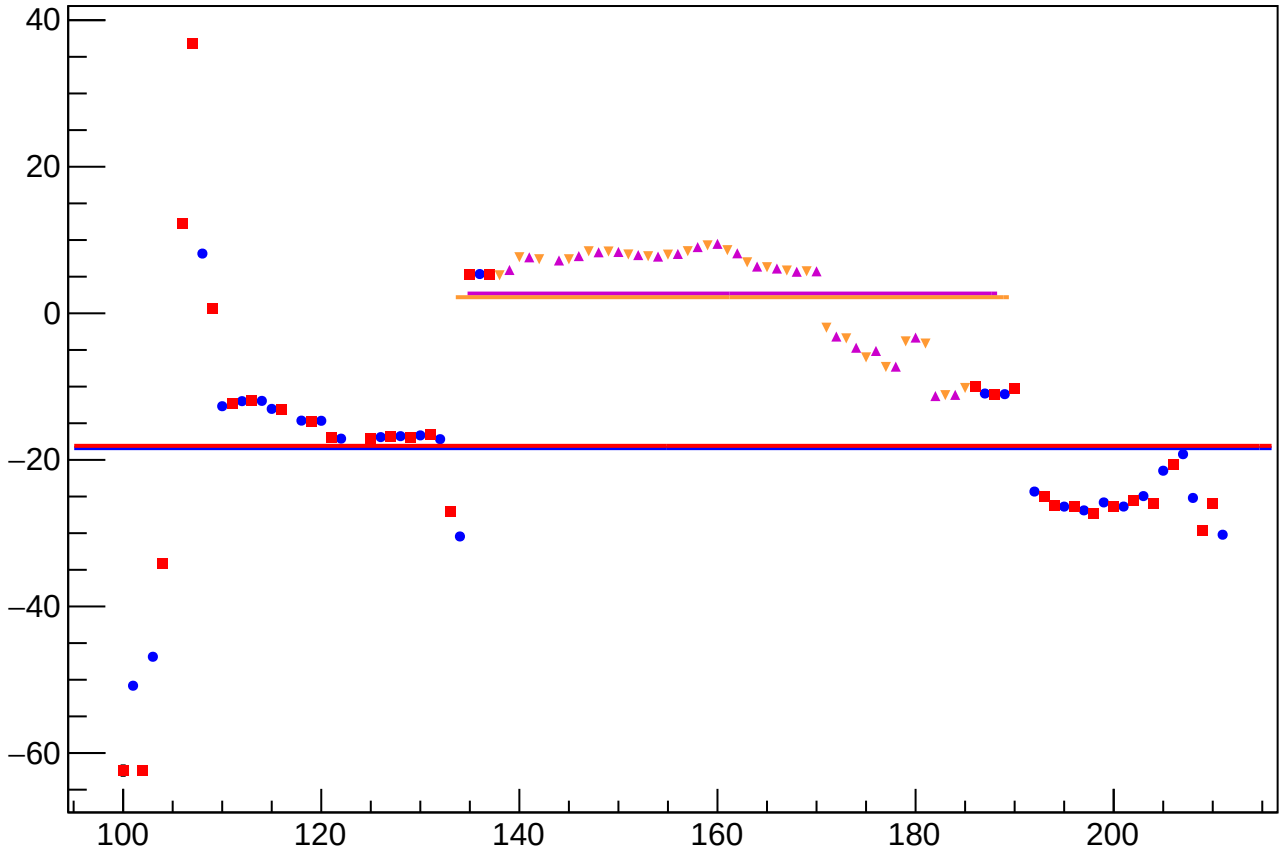
Right Out: 10.557+/-0.344 χ^2/NDF: 1215.9/30

Left In: -1.905+/-0.216 χ^2/NDF:222.1/22

\+ sign 1.328+/-0.181 χ^2/NDF: 2299.9/51

All: 1.472+/-0.129 χ^2/NDF: 4679.0/105

\- sign 1.620+/-0.183 χ^2/NDF: 2377.9/53



Right In: -18.398+/-0.017 χ^2/NDF: 518401.3/27

Left Out: 2.198+/-0.009 χ^2/NDF:508502.1/23

Right Out: -18.082+/-0.017 χ^2/NDF: 604542.7/30

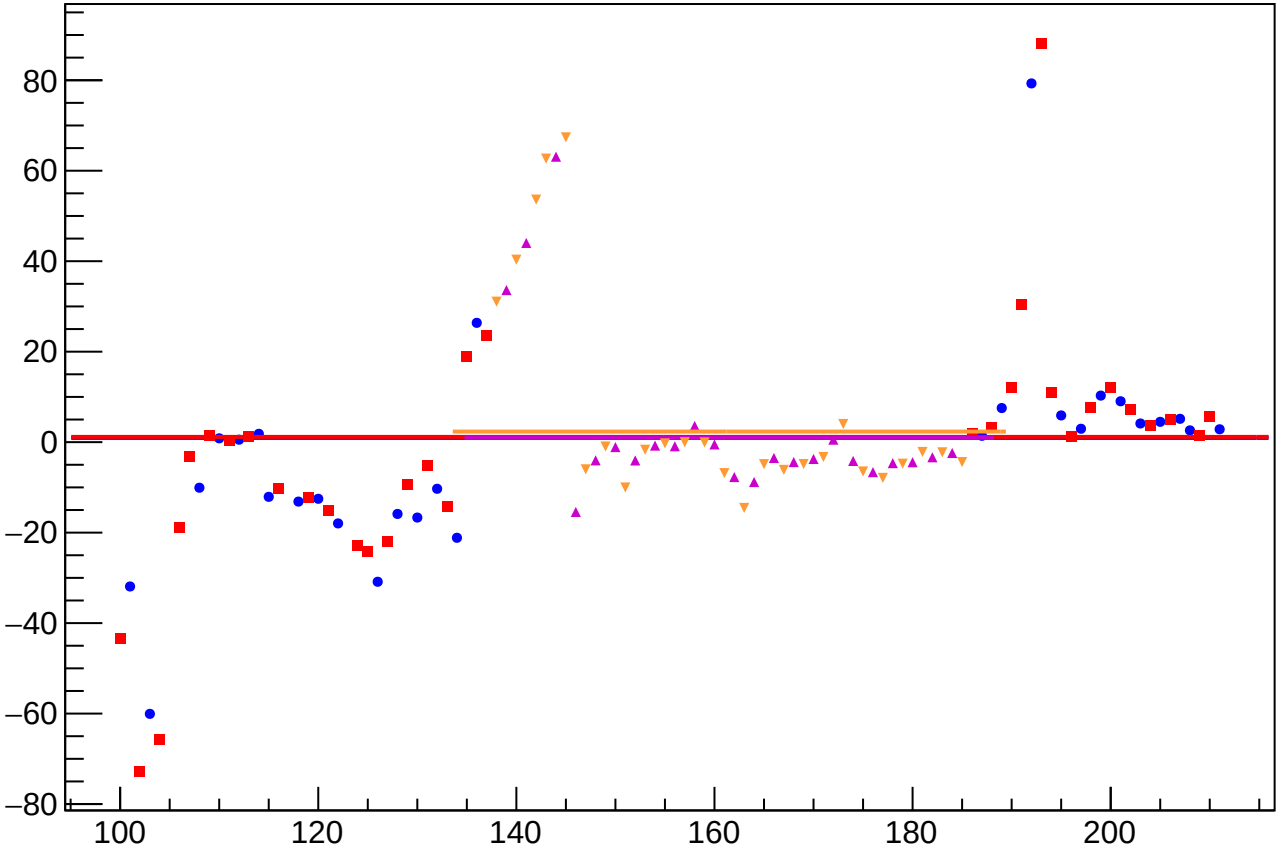
Left In: 2.694+/-0.010 χ^2/NDF:498824.3/22

\+ sign -2.494+/-0.008 χ^2/NDF: 2098764.2/51

All: -2.336+/-0.006 χ^2/NDF: 4311867.5/105

\- sign -2.177+/-0.008 χ^2/NDF: 2212382.7/53

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs Slug



Right In: 0.952+/-0.038 χ^2/NDF: 119782.6/27

Left Out: 2.341+/-0.040 χ^2/NDF:176986.1/24

Right Out: 1.162+/-0.034 χ^2/NDF: 121451.5/32

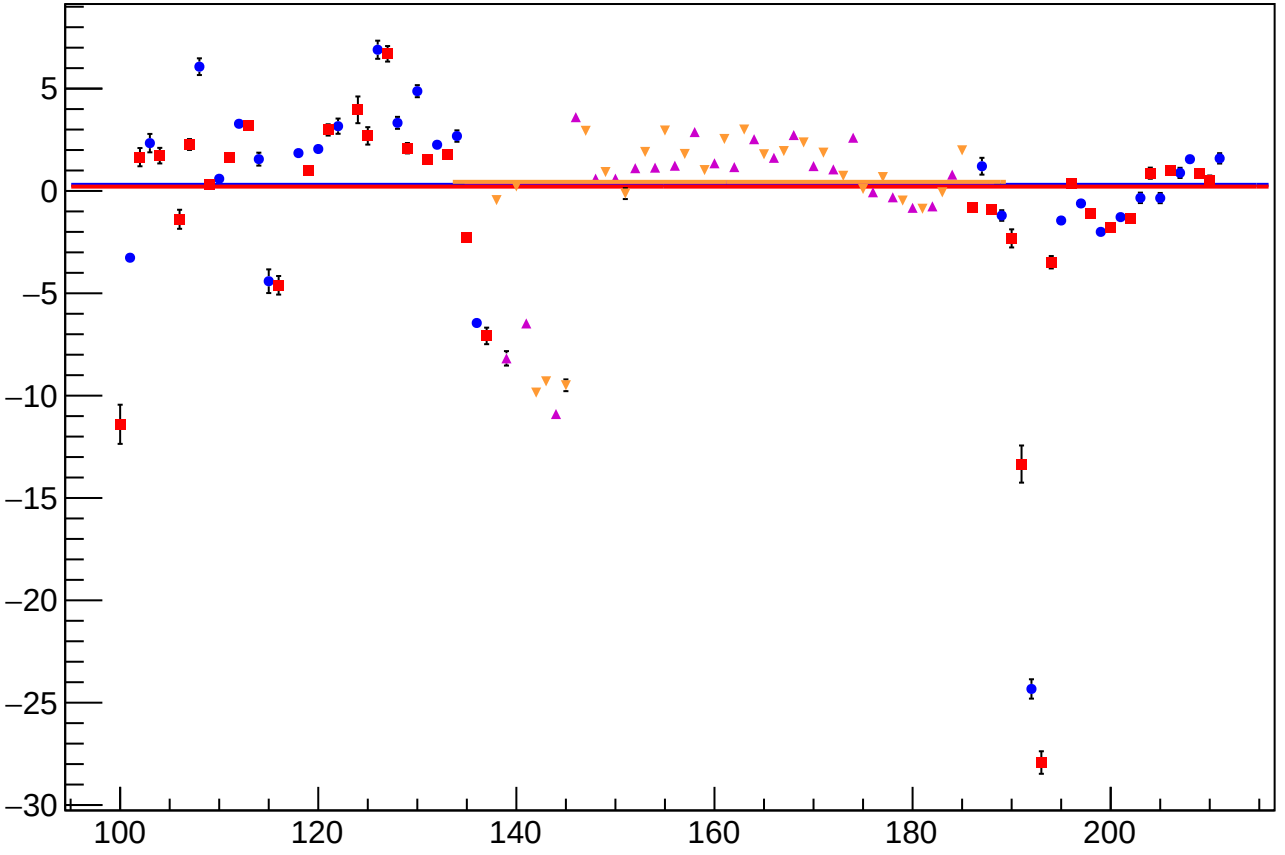
Left In: 0.957+/-0.040 χ^2/NDF:132519.8/22

+ sign 1.601+/-0.028 χ^2/NDF: 297403.0/52

All: 1.321+/-0.019 χ^2/NDF: 551583.5/108

- sign 1.077+/-0.026 χ^2/NDF: 253986.7/55

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs Slug



Right In: 0.299+/-0.046 χ^2/NDF: 5889.4/27

Left Out: 0.446+/-0.033 χ^2/NDF:7044.3/24

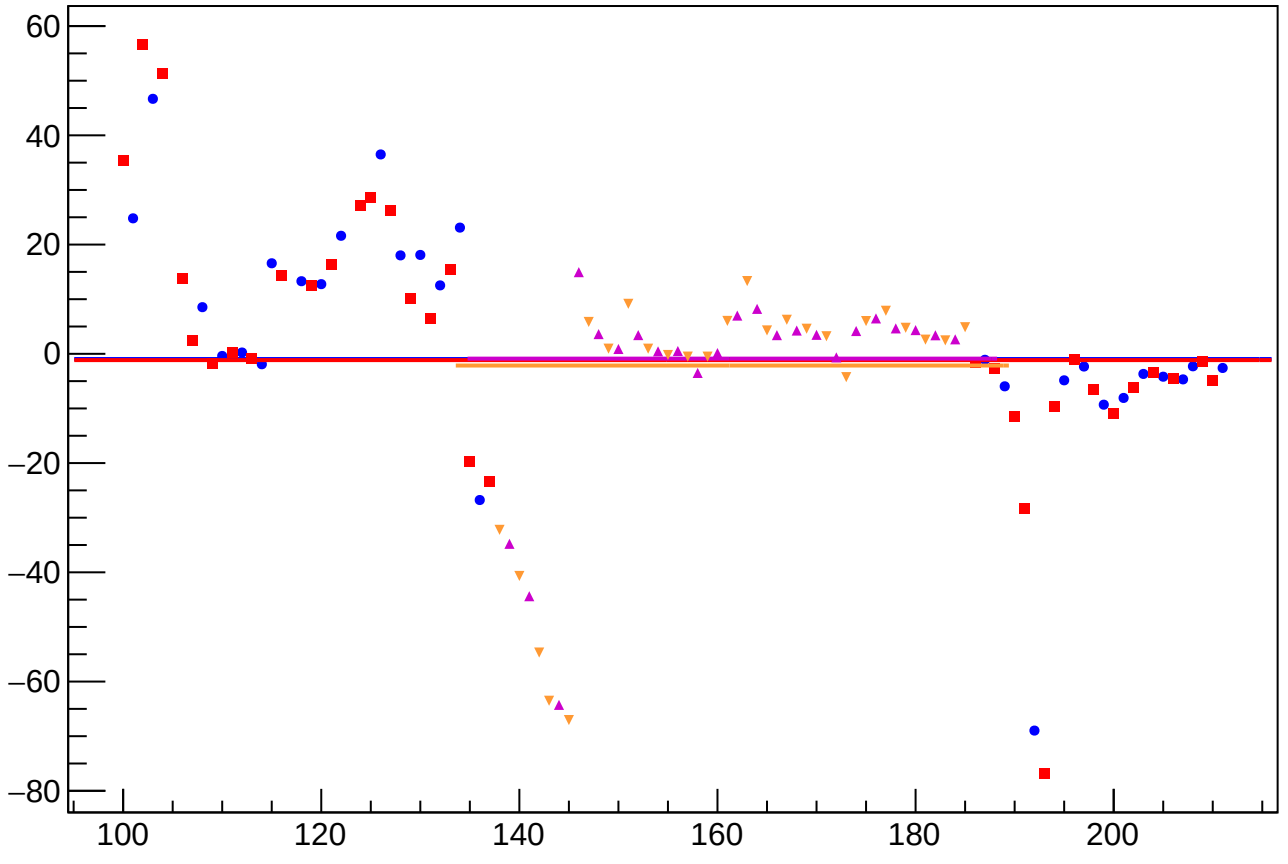
Right Out: 0.212+/-0.043 χ^2/NDF: 5101.1/32

Left In: 0.427+/-0.031 χ^2/NDF:7102.3/22

+ sign 0.396+/-0.027 χ^2/NDF: 12940.6/52

All: 0.373+/-0.018 χ^2/NDF: 25161.6/108

- sign 0.353+/-0.025 χ^2/NDF: 12219.7/55



Right In: -0.956+/-0.039 χ^2/NDF: 118513.6/27

Left Out: -2.143+/-0.040 χ^2/NDF:171271.2/24

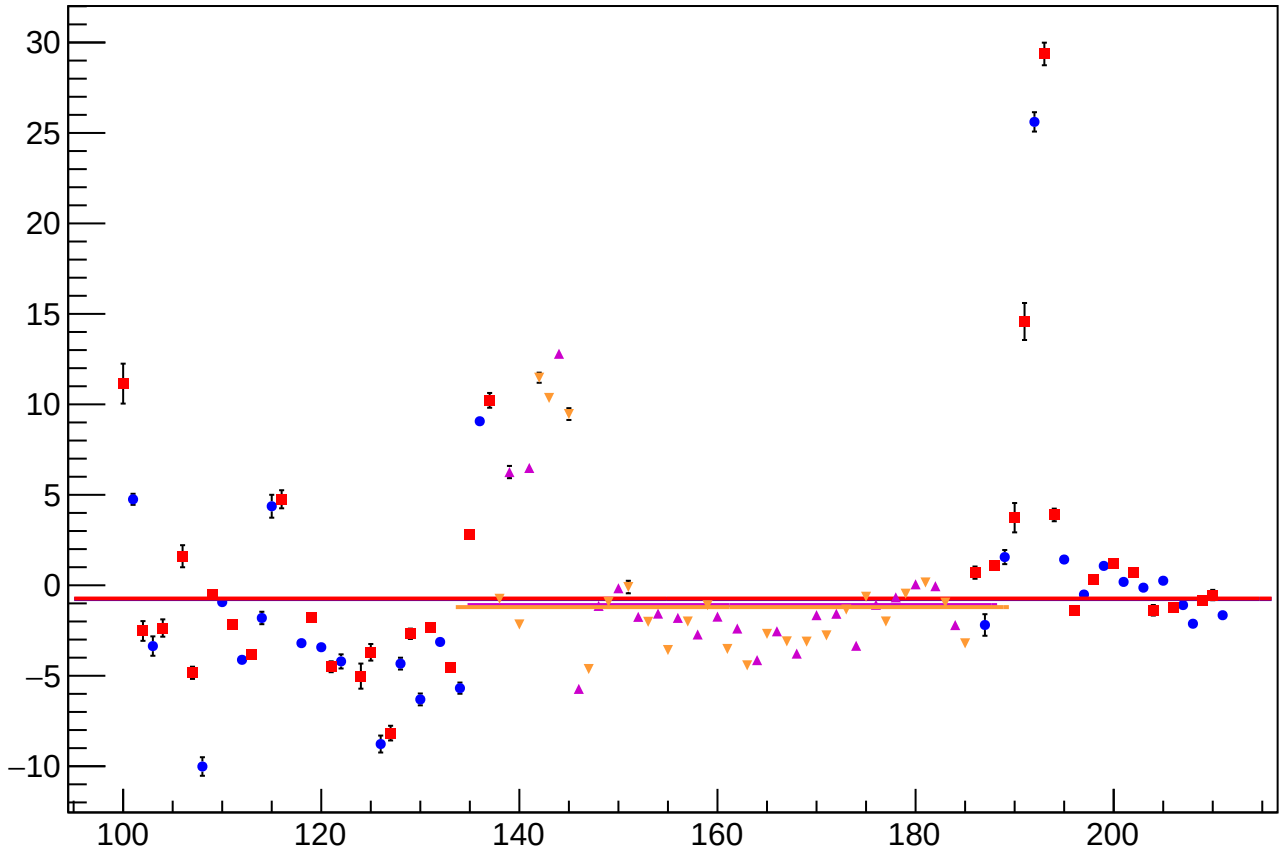
Right Out: -1.150+/-0.035 χ^2/NDF: 119529.2/32

Left In: -0.881+/-0.039 χ^2/NDF:129197.8/22

+ sign -1.528+/-0.028 χ^2/NDF: 290235.8/52

All: -1.264+/-0.019 χ^2/NDF: 539156.7/108

- sign -1.030+/-0.026 χ^2/NDF: 248752.8/55



Right In: -0.761+/-0.053 χ^2/NDF: 7364.3/27

Left Out: -1.206+/-0.036 χ^2/NDF:7003.0/24

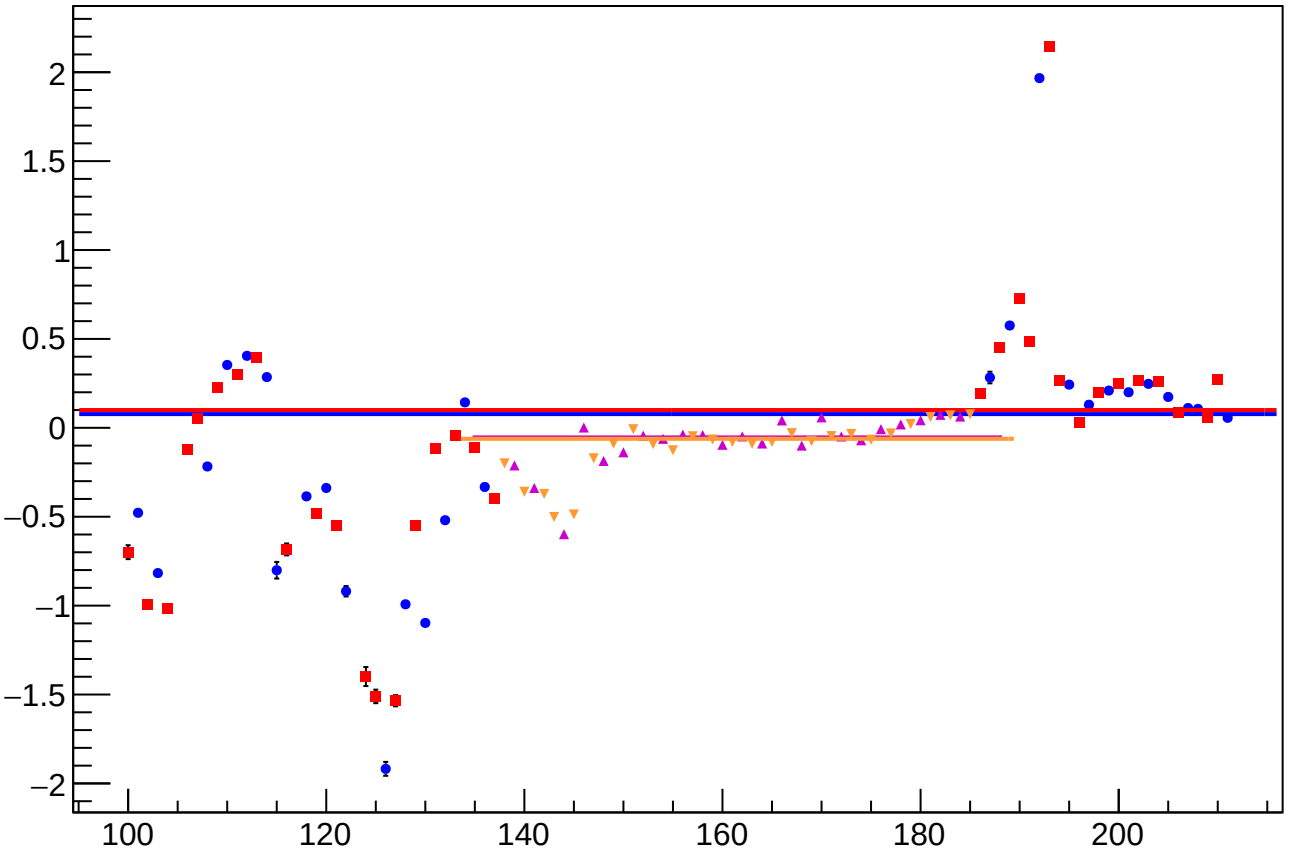
Right Out: -0.733+/-0.050 χ^2/NDF: 5611.5/32

Left In: -1.094+/-0.035 χ^2/NDF:7029.2/22

+ sign -1.063+/-0.030 χ^2/NDF: 14415.6/52

All: -1.017+/-0.021 χ^2/NDF: 27095.8/108

- sign -0.976+/-0.029 χ^2/NDF: 12675.8/55



Right In: 0.077+/-0.002 χ^2/NDF: 34009.6/27

Left Out: -0.062+/-0.002 χ^2/NDF:5711.9/24

Right Out: 0.100+/-0.002 χ^2/NDF: 34835.7/32

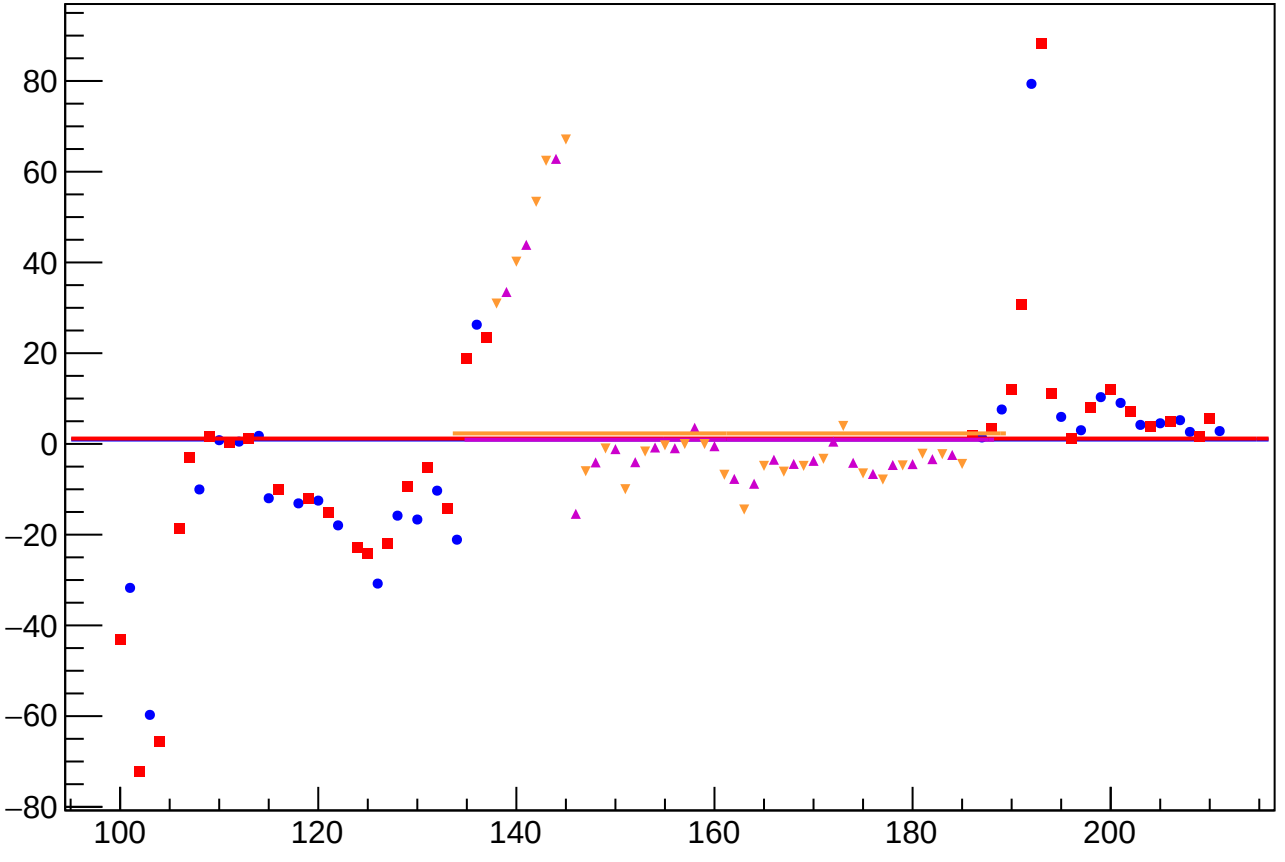
Left In: -0.054+/-0.001 χ^2/NDF:5029.9/22

+ sign -0.018+/-0.001 χ^2/NDF: 42127.8/52

All: -0.013+/-0.001 χ^2/NDF: 85232.0/108

- sign -0.007+/-0.001 χ^2/NDF: 43069.5/55

reg_asym_bcm_an_ds_diff_bpm1X_slope vs Slug



Right In: 0.967+/-0.038 χ^2/NDF: 120275.7/27

Left Out: 2.318+/-0.040 χ^2/NDF:176746.3/24

Right Out: 1.183+/-0.033 χ^2/NDF: 122036.8/32

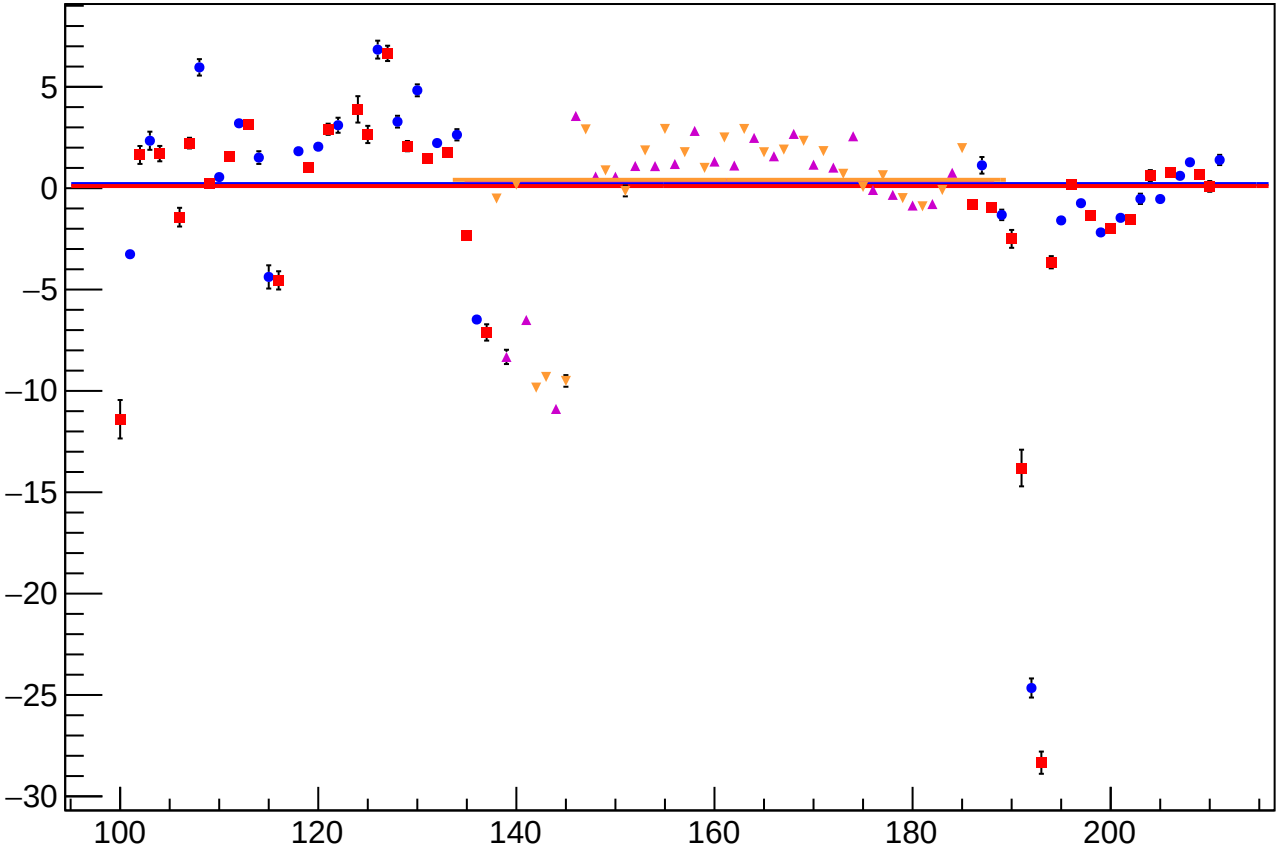
Left In: 0.935+/-0.040 χ^2/NDF:132405.3/22

+ sign 1.597+/-0.027 χ^2/NDF: 297626.5/52

All: 1.321+/-0.019 χ^2/NDF: 552281.2/108

- sign 1.081+/-0.026 χ^2/NDF: 254464.9/55

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs Slug



Right In: 0.203+/-0.046 χ^2/NDF: 6010.2/27

Left Out: 0.414+/-0.033 χ^2/NDF:7047.2/24

Right Out: 0.106+/-0.043 χ^2/NDF: 5261.0/32

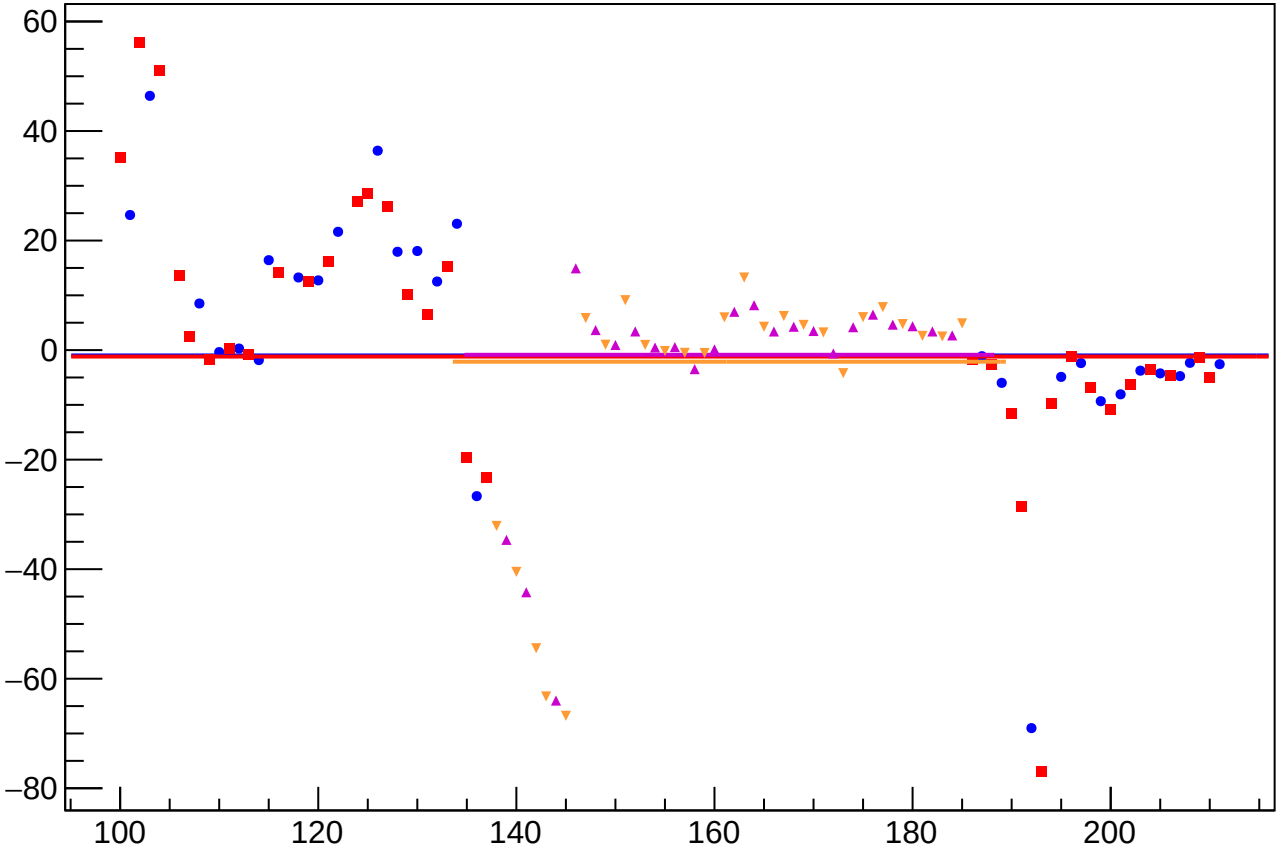
Left In: 0.389+/-0.031 χ^2/NDF:7114.2/22

+ sign 0.342+/-0.027 χ^2/NDF: 13071.5/52

All: 0.315+/-0.018 χ^2/NDF: 25477.0/108

- sign 0.291+/-0.025 χ^2/NDF: 12403.6/55

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs Slug



Right In: -0.976+/-0.039 χ^2/NDF: 118974.2/27

Left Out: -2.119+/-0.040 χ^2/NDF:171039.7/24

Right Out: -1.178+/-0.035 χ^2/NDF: 120080.0/32

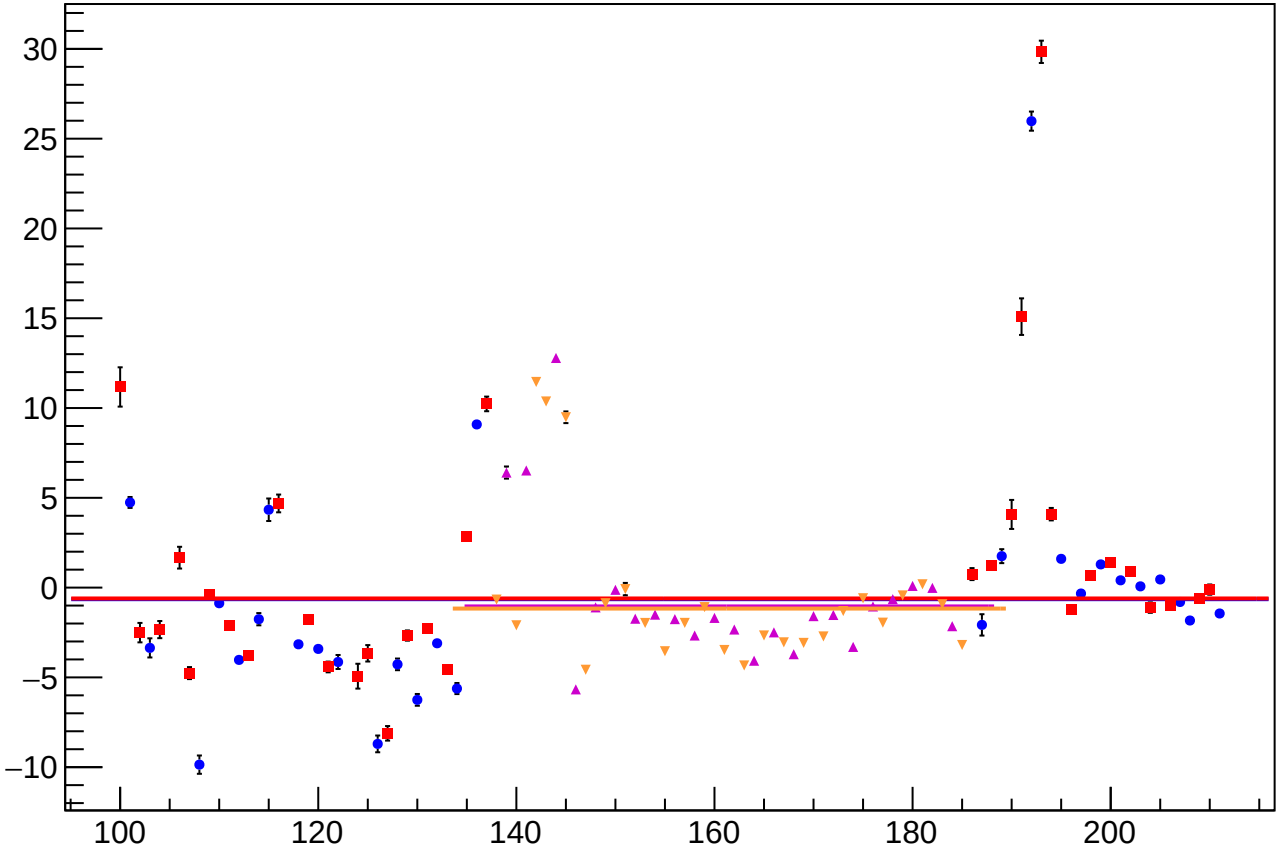
Left In: -0.859+/-0.039 χ^2/NDF:129084.9/22

\+ sign -1.526+/-0.028 χ^2/NDF: 290435.2/52

All: -1.266+/-0.019 χ^2/NDF: 539801.7/108

\- sign -1.036+/-0.026 χ^2/NDF: 249201.7/55

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs Slug



Right In: -0.645+/-0.053 χ^2/NDF: 7470.4/27

Left Out: -1.167+/-0.036 χ^2/NDF:7001.4/24

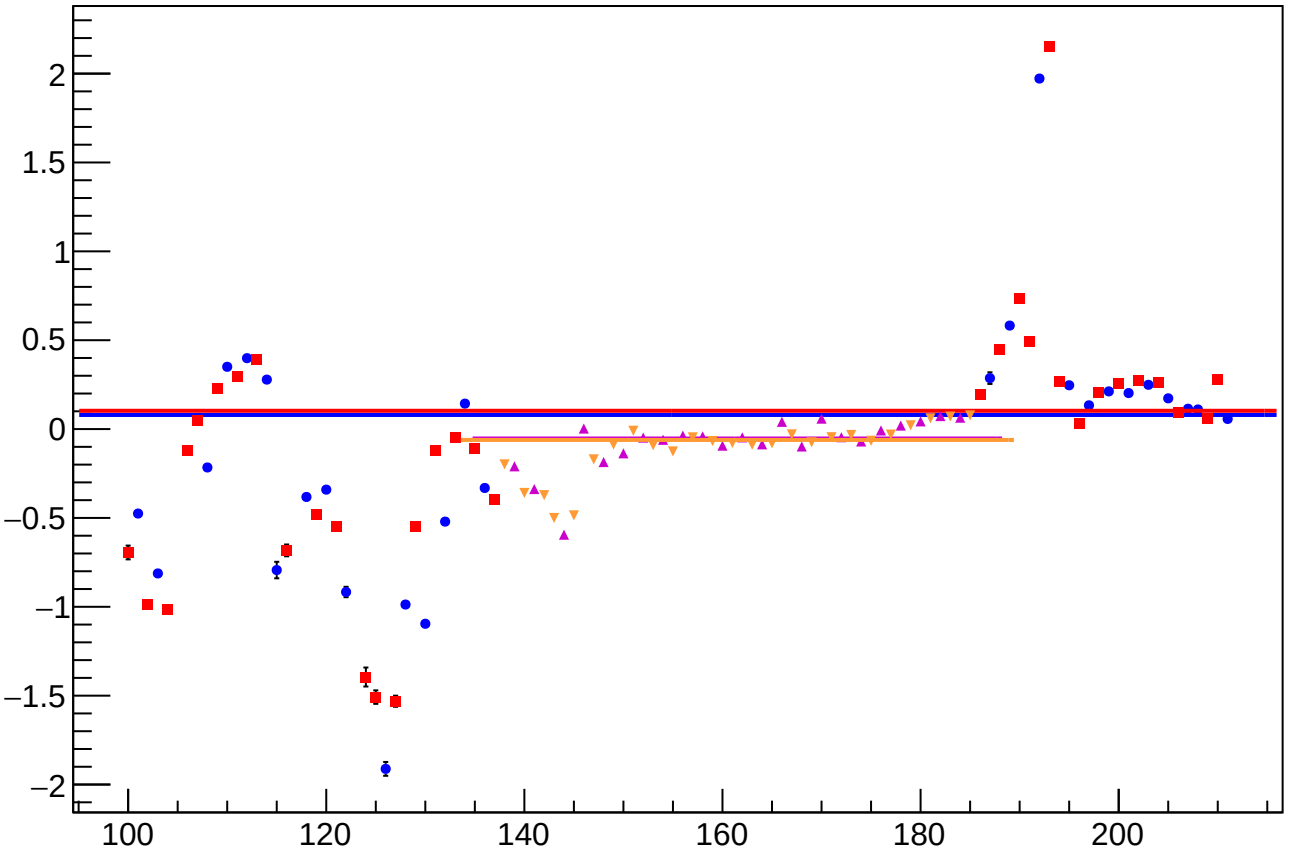
Right Out: -0.605+/-0.050 χ^2/NDF: 5769.1/32

Left In: -1.048+/-0.035 χ^2/NDF:7040.7/22

+ sign -0.999+/-0.030 χ^2/NDF: 14538.9/52

All: -0.949+/-0.021 χ^2/NDF: 27407.4/108

- sign -0.903+/-0.028 χ^2/NDF: 12863.1/55



Right In: 0.079+/-0.002 χ^2/NDF: 34281.3/27

Left Out: -0.061+/-0.002 χ^2/NDF:5729.4/24

Right Out: 0.103+/-0.002 χ^2/NDF: 35150.5/32

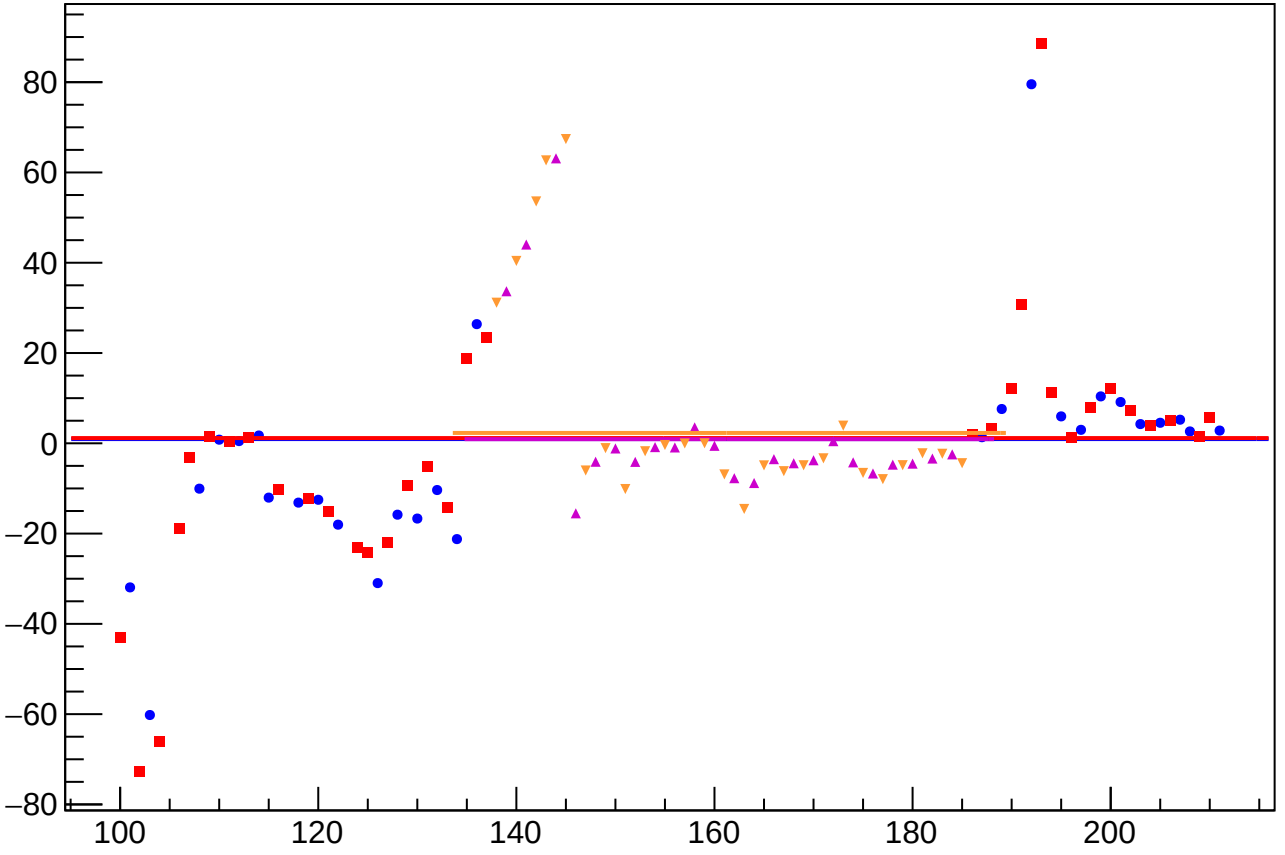
Left In: -0.053+/-0.001 χ^2/NDF:5006.2/22

+ sign -0.017+/-0.001 χ^2/NDF: 42499.4/52

All: -0.011+/-0.001 χ^2/NDF: 86012.4/108

- sign -0.006+/-0.001 χ^2/NDF: 43475.0/55

reg_asym_bcm_an_us_diff_bpm1X_slope vs Slug



Right In: 0.938+/-0.038 χ^2/NDF: 120317.4/27

Left Out: 2.296+/-0.040 χ^2/NDF:177186.2/24

Right Out: 1.158+/-0.034 χ^2/NDF: 122054.7/32

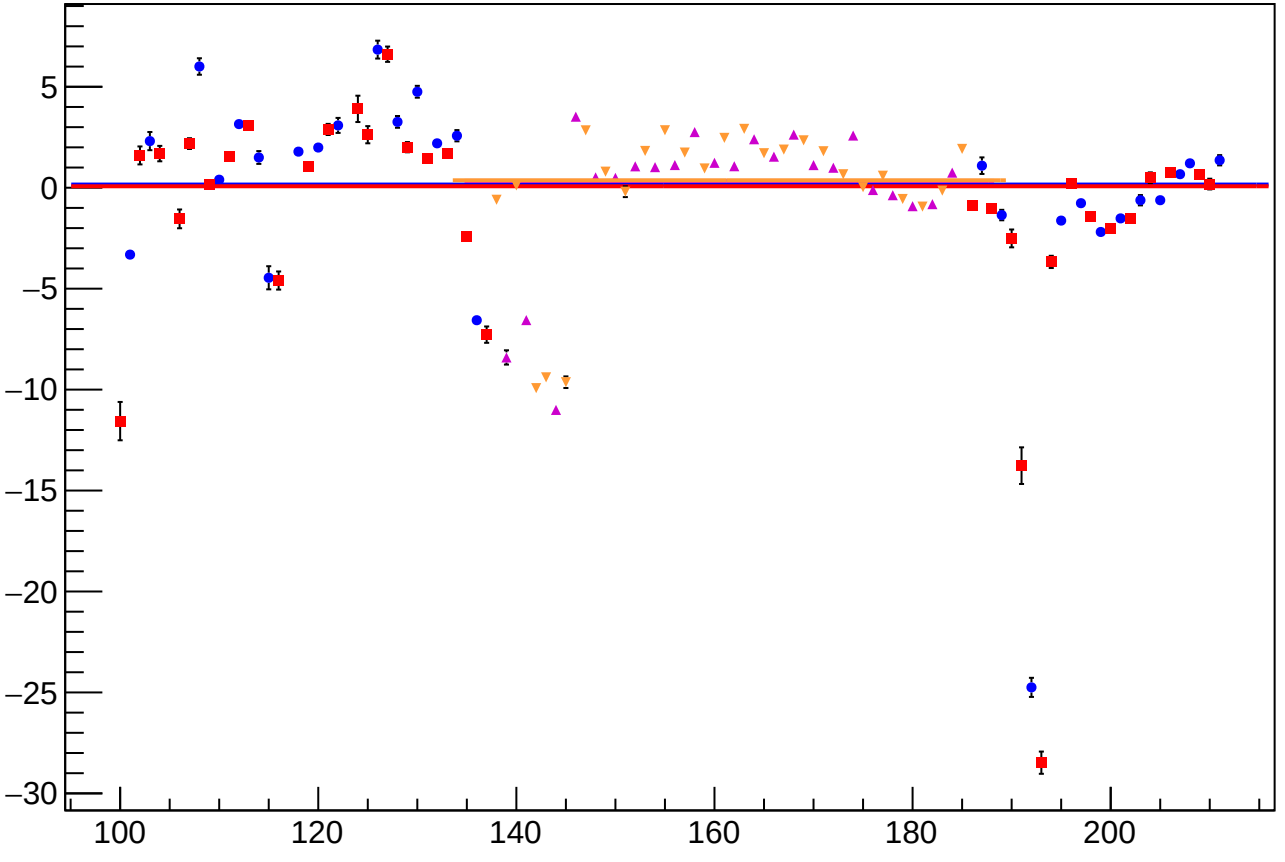
Left In: 0.912+/-0.040 χ^2/NDF:132573.8/22

+ sign 1.573+/-0.028 χ^2/NDF: 298108.4/52

All: 1.297+/-0.019 χ^2/NDF: 552946.8/108

- sign 1.057+/-0.026 χ^2/NDF: 254650.7/55

reg_asym_bcm_an_us_diff_bpm4aY_slope vs Slug



Right In: 0.156+/-0.046 χ^2/NDF: 5996.7/27

Left Out: 0.368+/-0.033 χ^2/NDF:7068.0/24

Right Out: 0.072+/-0.043 χ^2/NDF: 5255.3/32

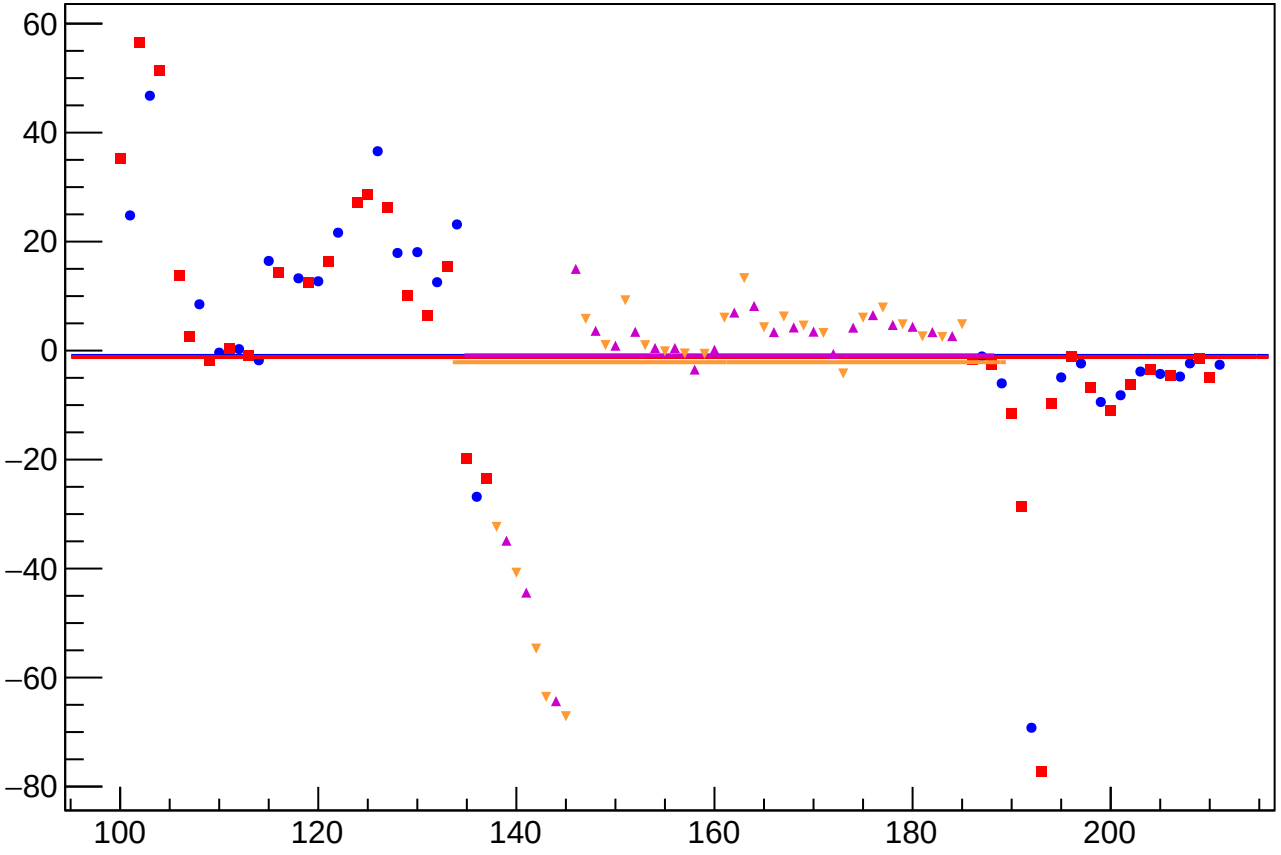
Left In: 0.337+/-0.031 χ^2/NDF:7094.3/22

+ sign 0.296+/-0.027 χ^2/NDF: 13078.7/52

All: 0.269+/-0.018 χ^2/NDF: 25454.7/108

- sign 0.245+/-0.025 χ^2/NDF: 12374.1/55

reg_asym_bcm_an_us_diff_bpm4eX_slope vs Slug



Right In: -0.978+/-0.039 χ^2/NDF: 119030.1/27

Left Out: -2.133+/-0.040 χ^2/NDF:171466.8/24

Right Out: -1.182+/-0.035 χ^2/NDF: 120127.1/32

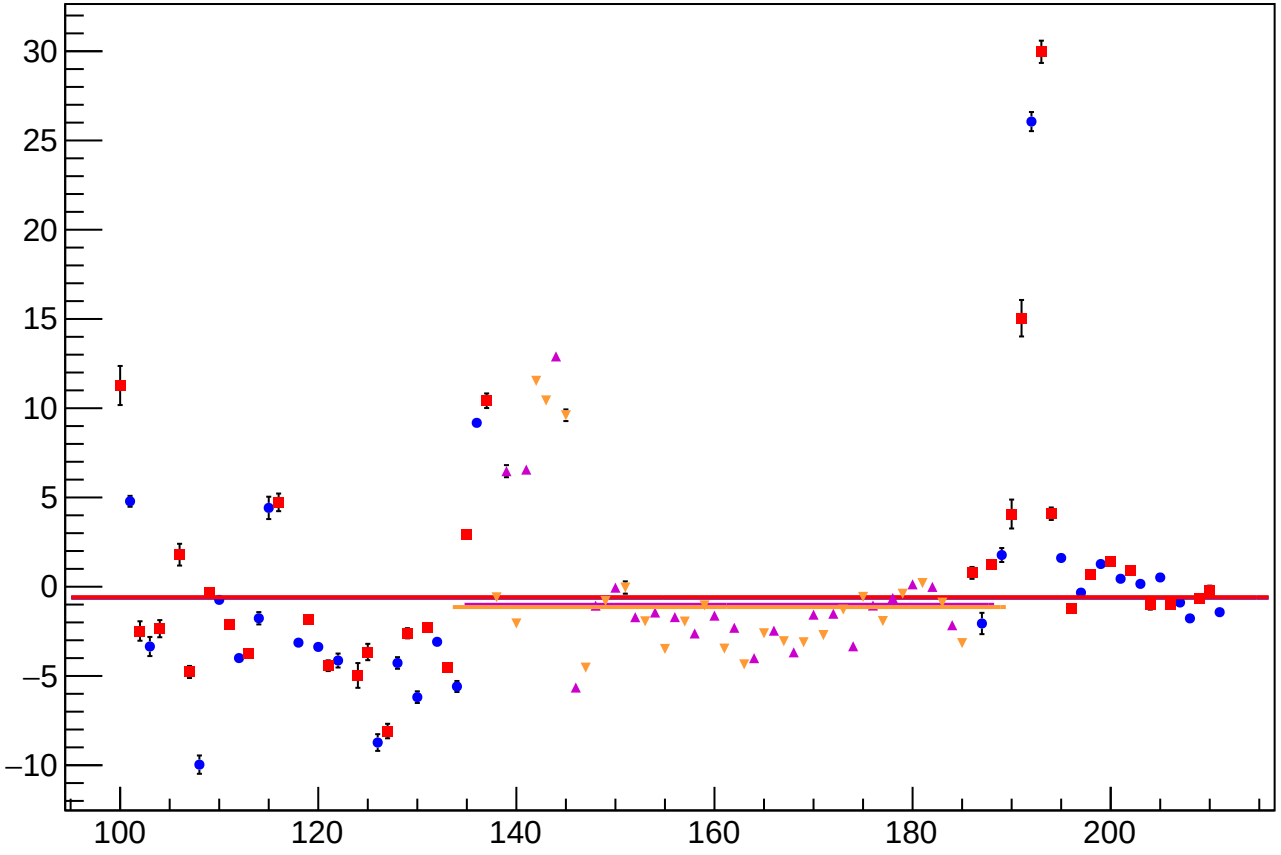
Left In: -0.871+/-0.039 χ^2/NDF:129263.4/22

+ sign -1.535+/-0.028 χ^2/NDF: 290922.4/52

All: -1.274+/-0.019 χ^2/NDF: 540511.2/108

- sign -1.044+/-0.026 χ^2/NDF: 249425.1/55

reg_asym_bcm_an_us_diff_bpm4eY_slope vs Slug



Right In: -0.614+/-0.053 χ^2/NDF: 7464.6/27

Left Out: -1.140+/-0.036 χ^2/NDF:7022.9/24

Right Out: -0.590+/-0.050 χ^2/NDF: 5772.5/32

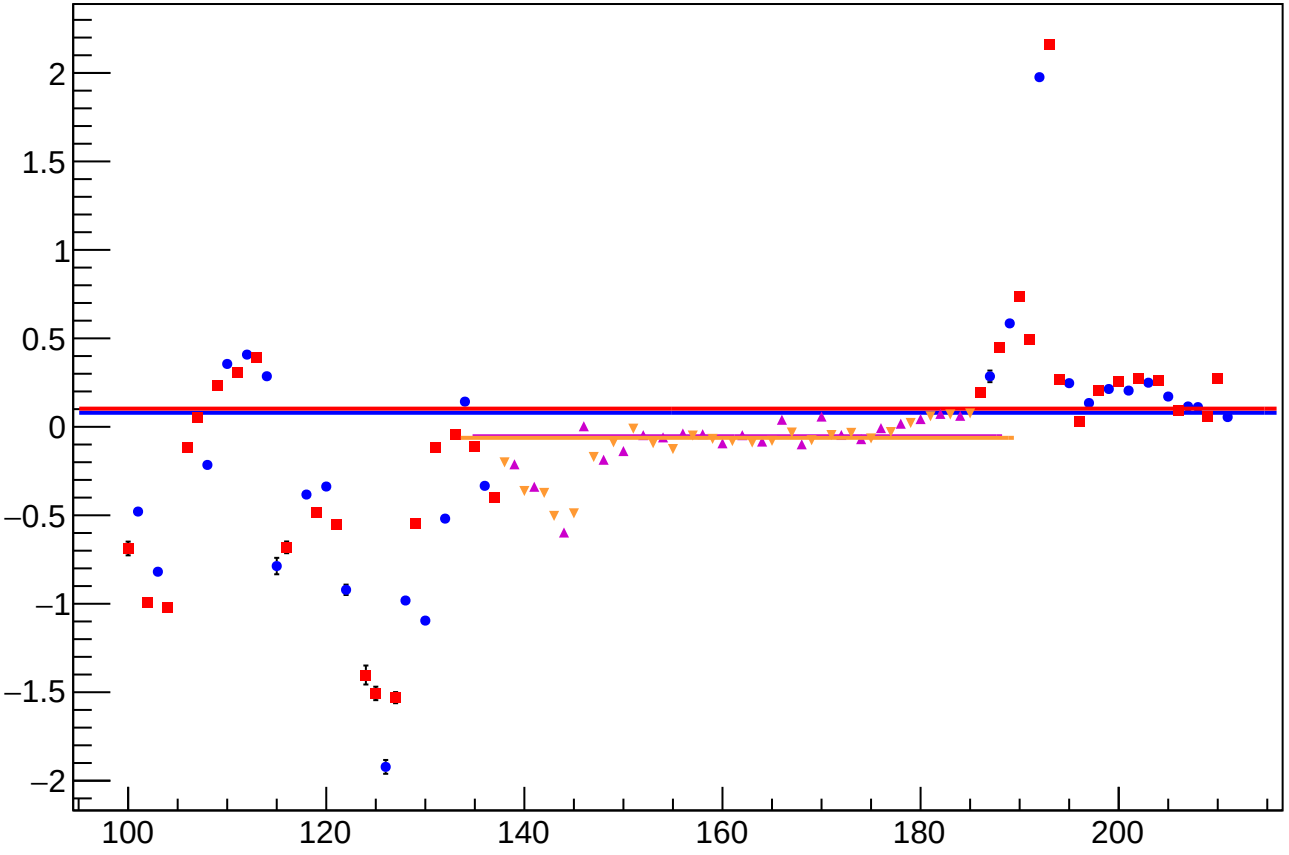
Left In: -1.013+/-0.035 χ^2/NDF:7027.2/22

+ sign -0.971+/-0.030 χ^2/NDF: 14554.6/52

All: -0.921+/-0.021 χ^2/NDF: 27407.9/108

- sign -0.875+/-0.029 χ^2/NDF: 12847.9/55

reg_asym_bcm_an_us_diff_bpm12X_slope vs Slug



Right In: 0.079+/-0.002 χ^2/NDF: 34273.6/27

Left Out: -0.062+/-0.002 χ^2/NDF:5736.1/24

Right Out: 0.103+/-0.002 χ^2/NDF: 35105.7/32

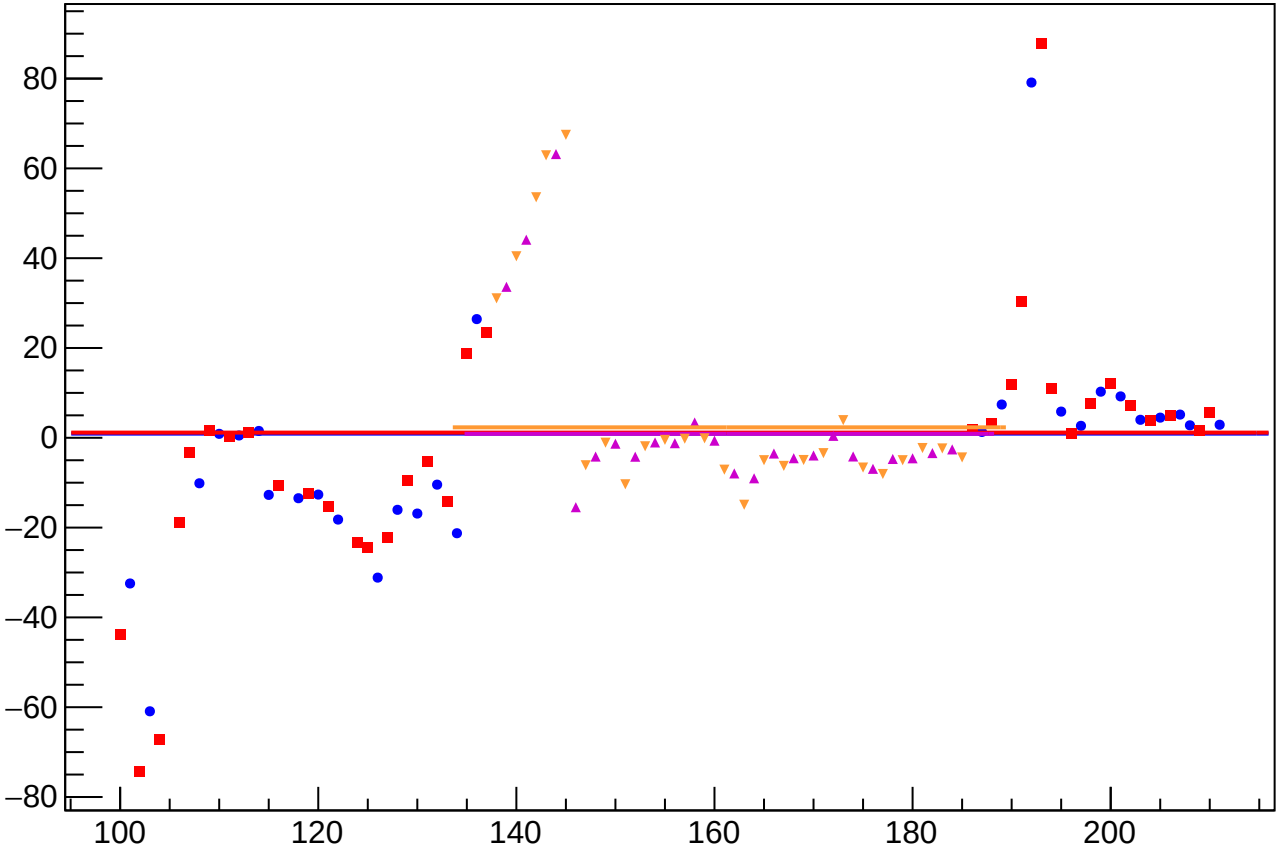
Left In: -0.053+/-0.001 χ^2/NDF:4993.7/22

+ sign -0.018+/-0.001 χ^2/NDF: 42504.7/52

All: -0.012+/-0.001 χ^2/NDF: 85933.4/108

- sign -0.006+/-0.001 χ^2/NDF: 43388.2/55

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs Slug



Right In: 0.928+/-0.038 χ^2/NDF: 118475.6/27

Left Out: 2.329+/-0.041 χ^2/NDF:174647.6/24

Right Out: 1.156+/-0.034 χ^2/NDF: 120432.1/32

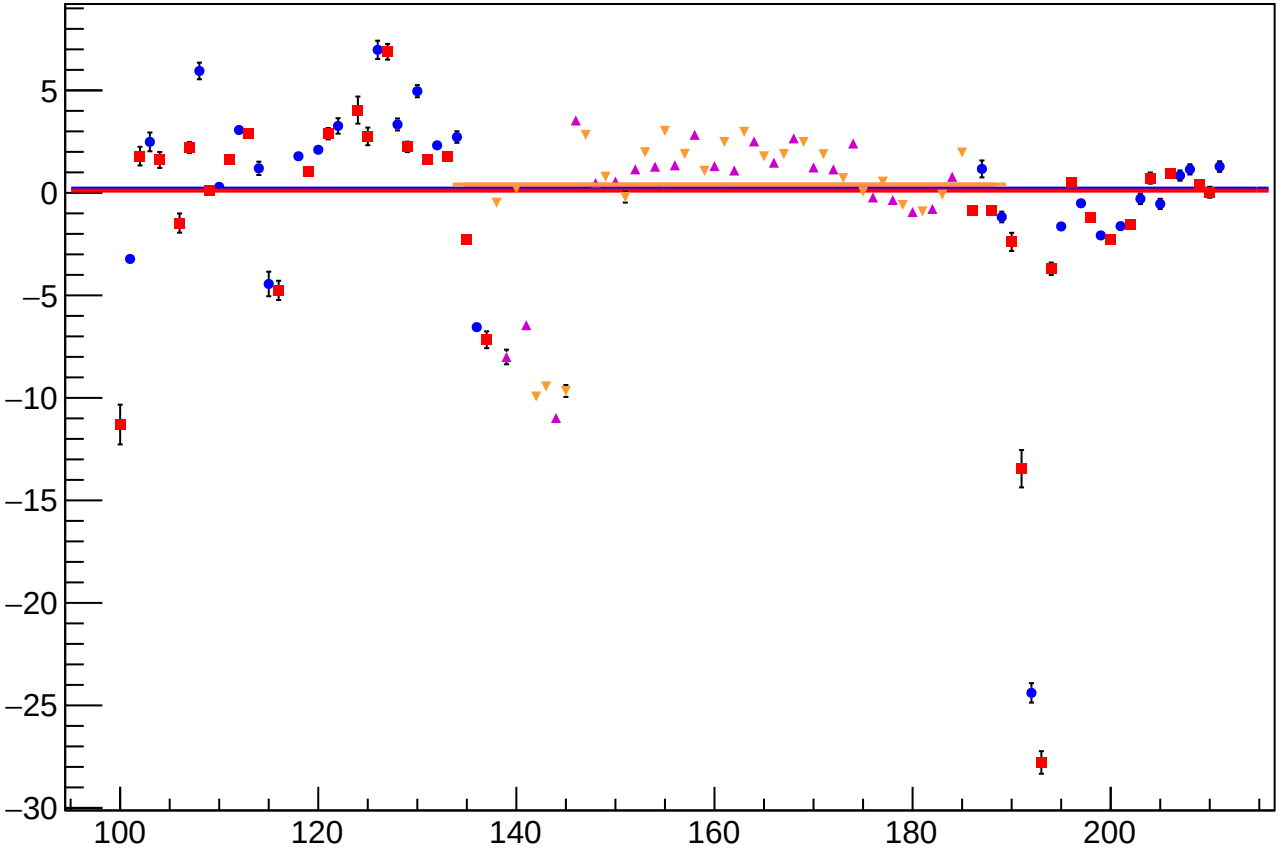
Left In: 0.887+/-0.041 χ^2/NDF:130417.3/22

+ sign 1.578+/-0.028 χ^2/NDF: 293746.3/52

All: 1.294+/-0.019 χ^2/NDF: 544815.0/108

- sign 1.046+/-0.026 χ^2/NDF: 250875.1/55

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs Slug



Right In: 0.207+/-0.046 χ^2/NDF: 5828.8/27

Left Out: 0.410+/-0.033 χ^2/NDF:7047.9/24

Right Out: 0.110+/-0.044 χ^2/NDF: 5059.5/32

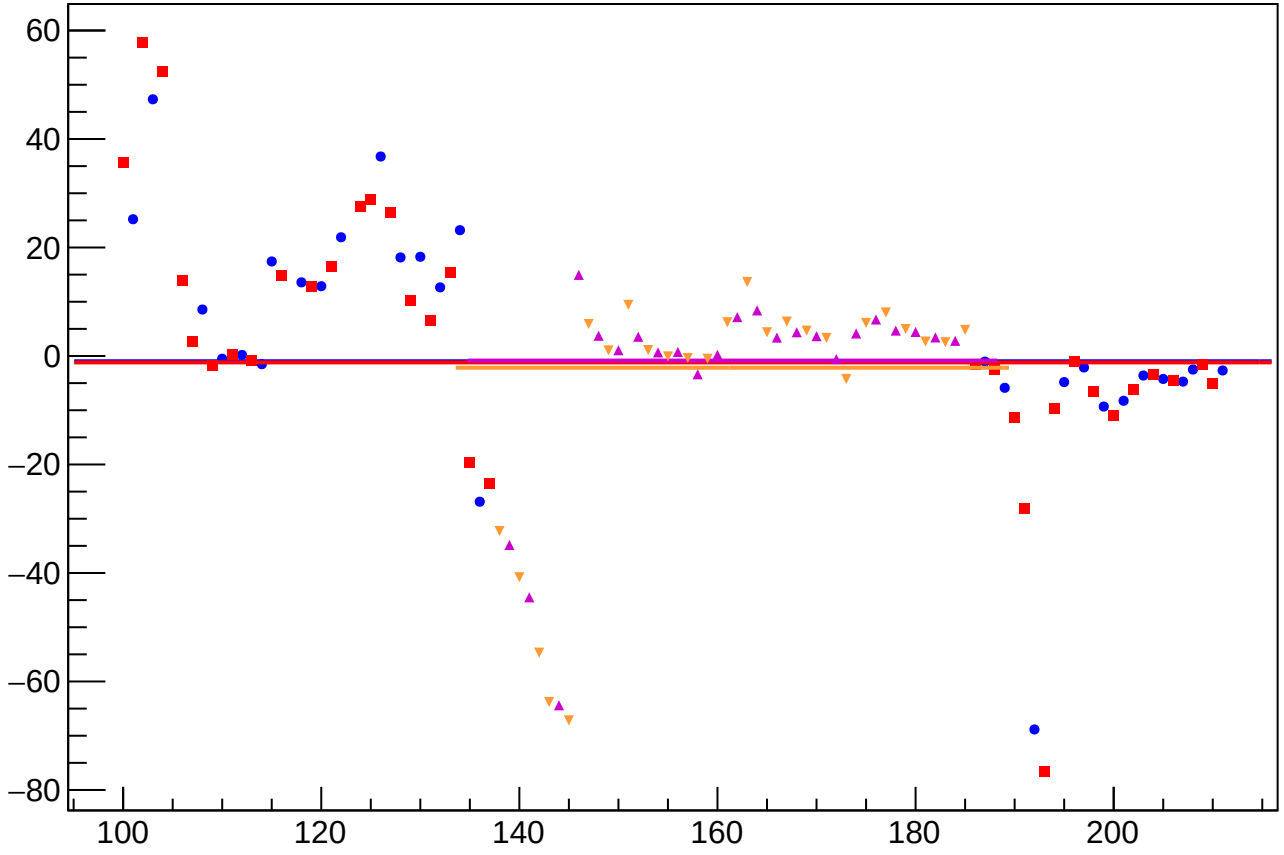
Left In: 0.396+/-0.032 χ^2/NDF:6932.0/22

+ sign 0.341+/-0.027 χ^2/NDF: 12889.2/52

All: 0.317+/-0.019 χ^2/NDF: 24909.8/108

- sign 0.296+/-0.026 χ^2/NDF: 12019.2/55

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs Slug



Right In: -0.972+/-0.039 χ^2/NDF: 117224.4/27

Left Out: -2.163+/-0.041 χ^2/NDF:168990.2/24

Right Out: -1.182+/-0.036 χ^2/NDF: 118510.7/32

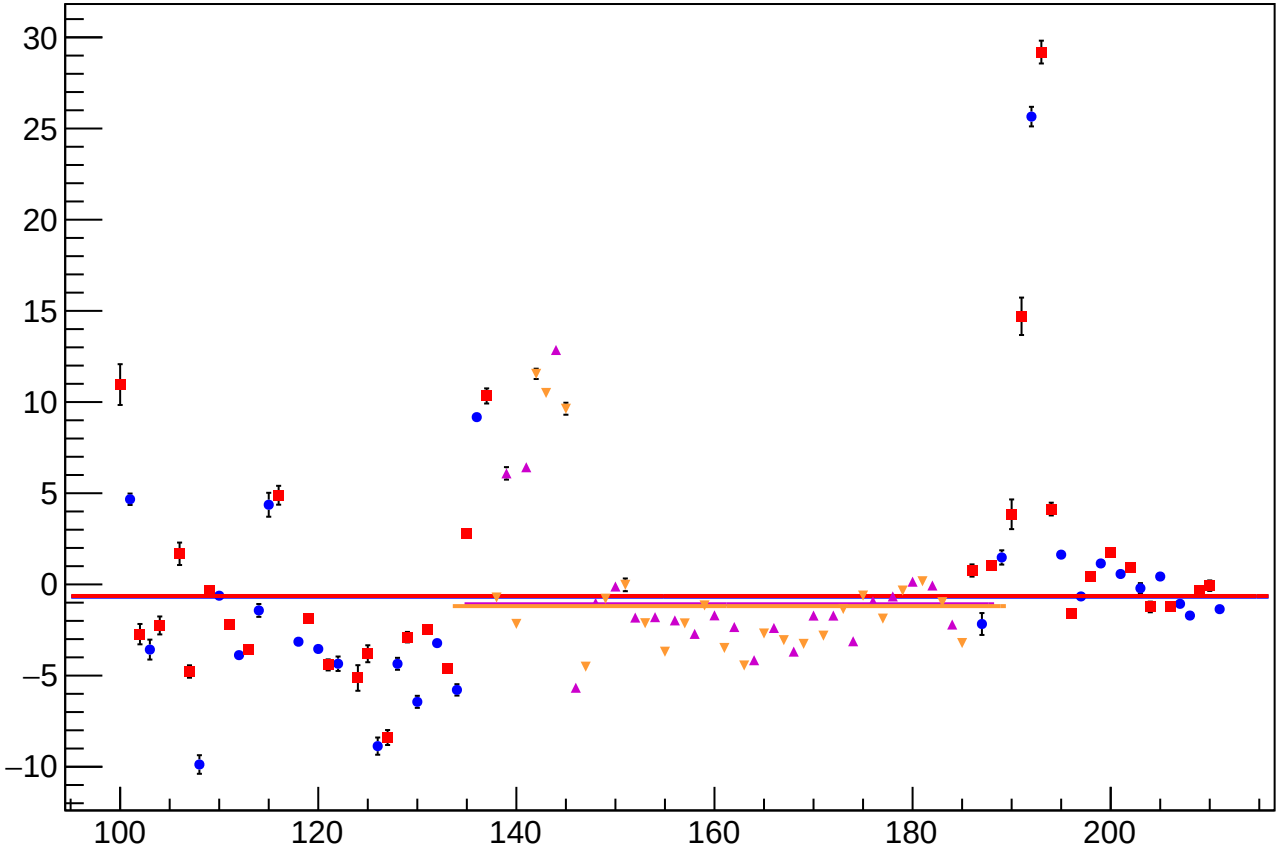
Left In: -0.843+/-0.040 χ^2/NDF:127135.3/22

+ sign -1.542+/-0.028 χ^2/NDF: 286653.7/52

All: -1.271+/-0.019 χ^2/NDF: 532510.6/108

- sign -1.033+/-0.027 χ^2/NDF: 245686.0/55

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs Slug



Right In: -0.674+/-0.054 χ^2/NDF: 7296.3/27

Left Out: -1.190+/-0.037 χ^2/NDF:6995.9/24

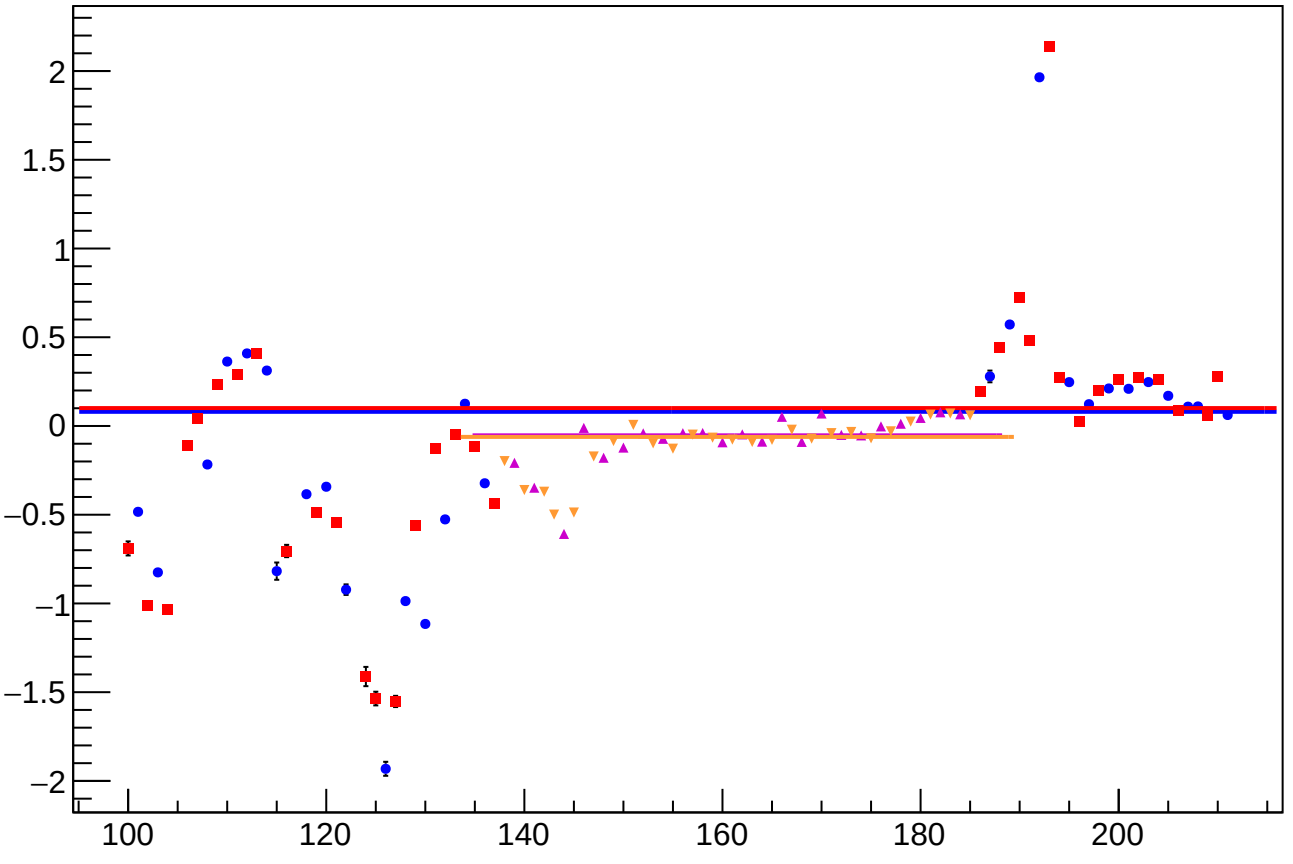
Right Out: -0.635+/-0.051 χ^2/NDF: 5590.2/32

Left In: -1.089+/-0.036 χ^2/NDF:6840.8/22

+ sign -1.024+/-0.030 χ^2/NDF: 14355.2/52

All: -0.980+/-0.021 χ^2/NDF: 26844.0/108

- sign -0.939+/-0.029 χ^2/NDF: 12484.8/55



Right In: 0.080+/-0.002 χ^2/NDF: 33543.3/27

Left Out: -0.062+/-0.002 χ^2/NDF:5563.5/24

Right Out: 0.101+/-0.002 χ^2/NDF: 34676.8/32

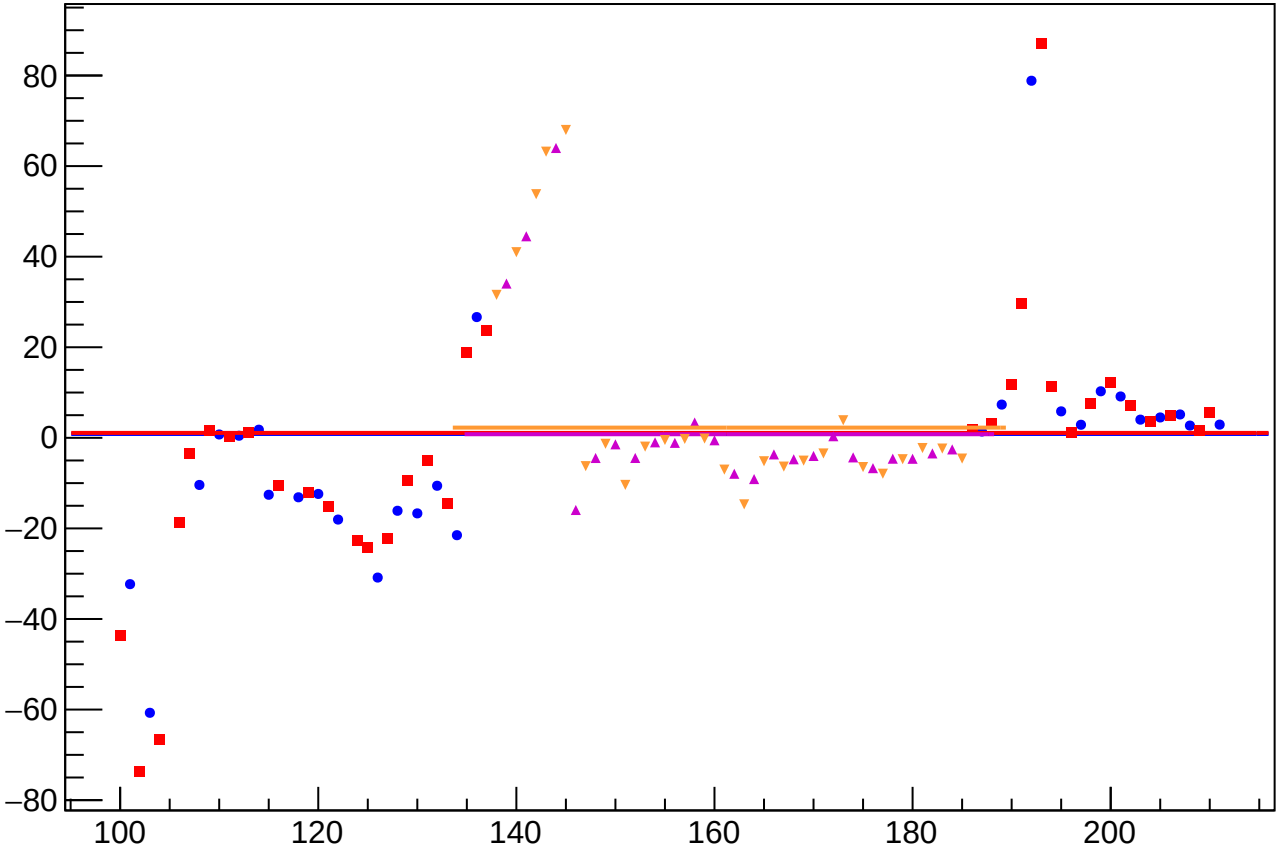
Left In: -0.053+/-0.002 χ^2/NDF:5036.0/22

+ sign -0.017+/-0.001 χ^2/NDF: 41533.7/52

All: -0.011+/-0.001 χ^2/NDF: 84383.4/108

- sign -0.006+/-0.001 χ^2/NDF: 42813.9/55

reg_asym_bcm_dg_us_diff_bpm1X_slope vs Slug



Right In: 0.852+/-0.039 χ^2/NDF: 116782.5/27

Left Out: 2.255+/-0.041 χ^2/NDF:171671.4/24

Right Out: 1.088+/-0.035 χ^2/NDF: 118245.7/32

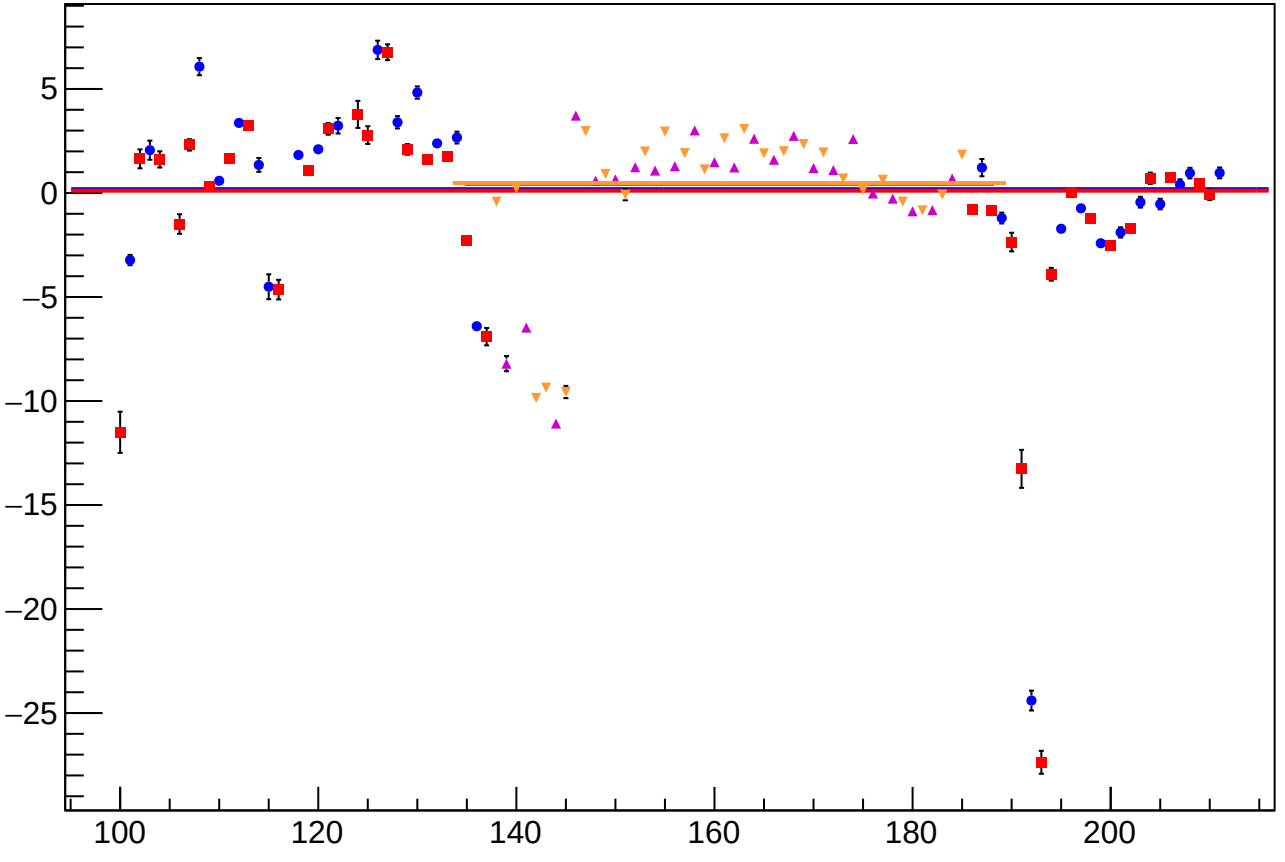
Left In: 0.794+/-0.041 χ^2/NDF:128828.3/22

+ sign 1.507+/-0.028 χ^2/NDF: 289062.8/52

All: 1.218+/-0.019 χ^2/NDF: 536361.2/108

- sign 0.965+/-0.027 χ^2/NDF: 247103.8/55

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs Slug



Right In: 0.185+/-0.047 χ^2/NDF: 5798.6/27

Left Out: 0.479+/-0.034 χ^2/NDF:6808.1/24

Right Out: 0.112+/-0.044 χ^2/NDF: 4975.5/32

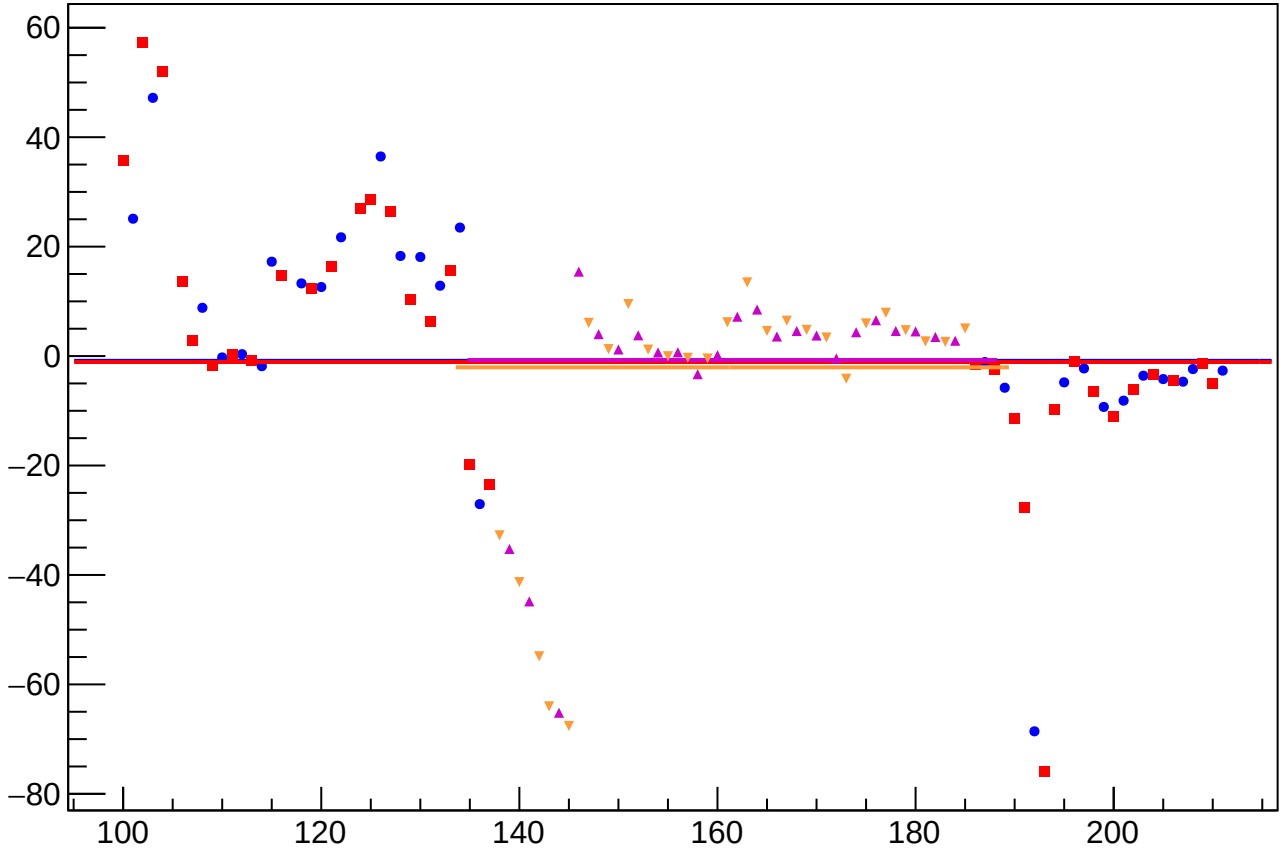
Left In: 0.440+/-0.032 χ^2/NDF:6893.7/22

+ sign 0.378+/-0.027 χ^2/NDF: 12632.5/52

All: 0.351+/-0.019 χ^2/NDF: 24539.4/108

- sign 0.325+/-0.026 χ^2/NDF: 11904.9/55

reg_asym_bcm_dg_us_diff_bpm4eX_slope vs Slug



Right In: -0.872+/-0.040 χ^2/NDF: 115507.1/27

Left Out: -2.051+/-0.041 χ^2/NDF:166009.6/24

Right Out: -1.079+/-0.036 χ^2/NDF: 116359.4/32

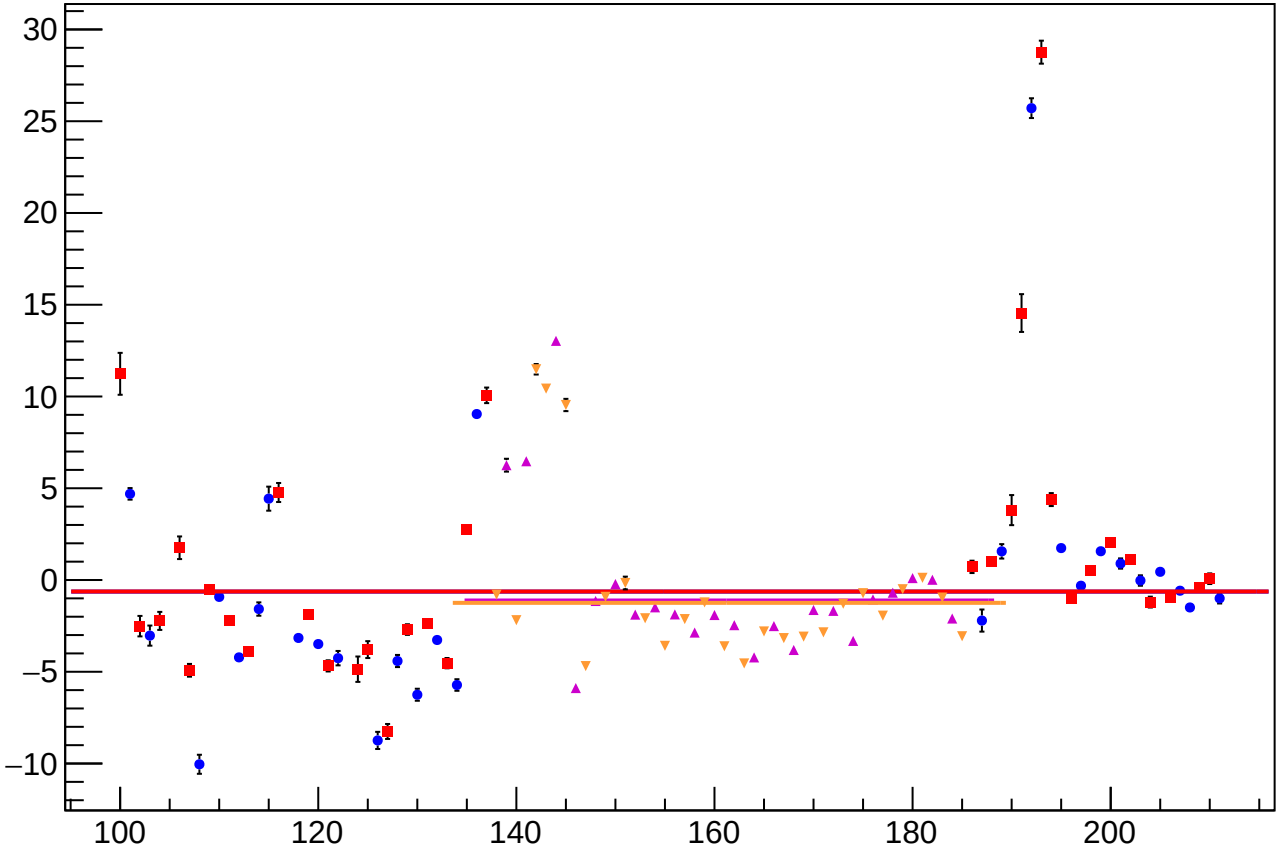
Left In: -0.720+/-0.041 χ^2/NDF:125531.3/22

+ sign -1.437+/-0.029 χ^2/NDF: 281938.0/52

All: -1.163+/-0.020 χ^2/NDF: 524044.5/108

- sign -0.920+/-0.027 χ^2/NDF: 241934.4/55

reg_asym_bcm_dg_us_diff_bpm4eY_slope vs Slug



Right In: -0.632+/-0.054 χ^2/NDF: 7181.5/27

Left Out: -1.244+/-0.037 χ^2/NDF:6768.7/24

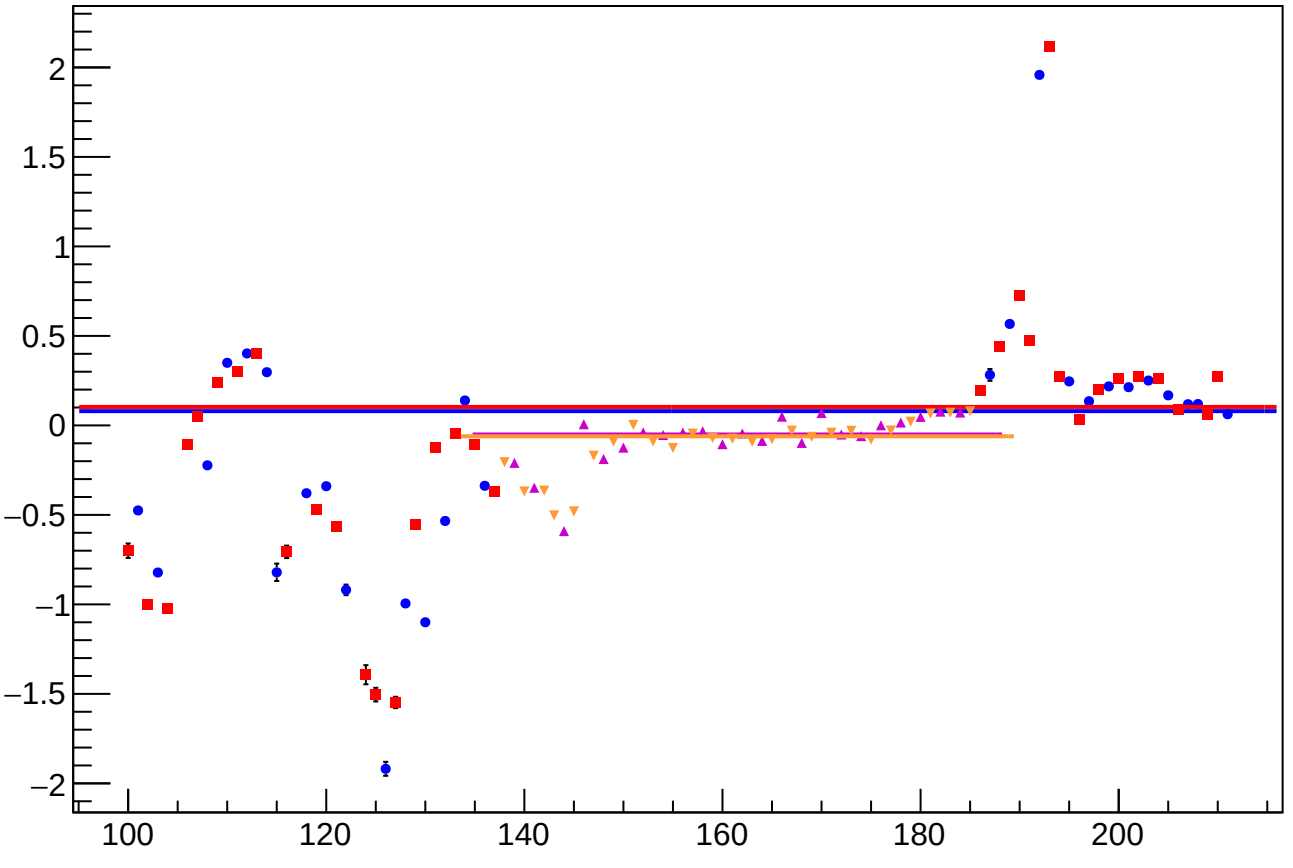
Right Out: -0.625+/-0.051 χ^2/NDF: 5462.6/32

Left In: -1.117+/-0.036 χ^2/NDF:6840.3/22

+ sign -1.047+/-0.031 χ^2/NDF: 14036.7/52

All: -1.000+/-0.021 χ^2/NDF: 26405.6/108

- sign -0.956+/-0.029 χ^2/NDF: 12364.3/55



Right In: 0.080+/-0.002 χ^2/NDF: 33211.6/27

Left Out: -0.061+/-0.002 χ^2/NDF:5479.8/24

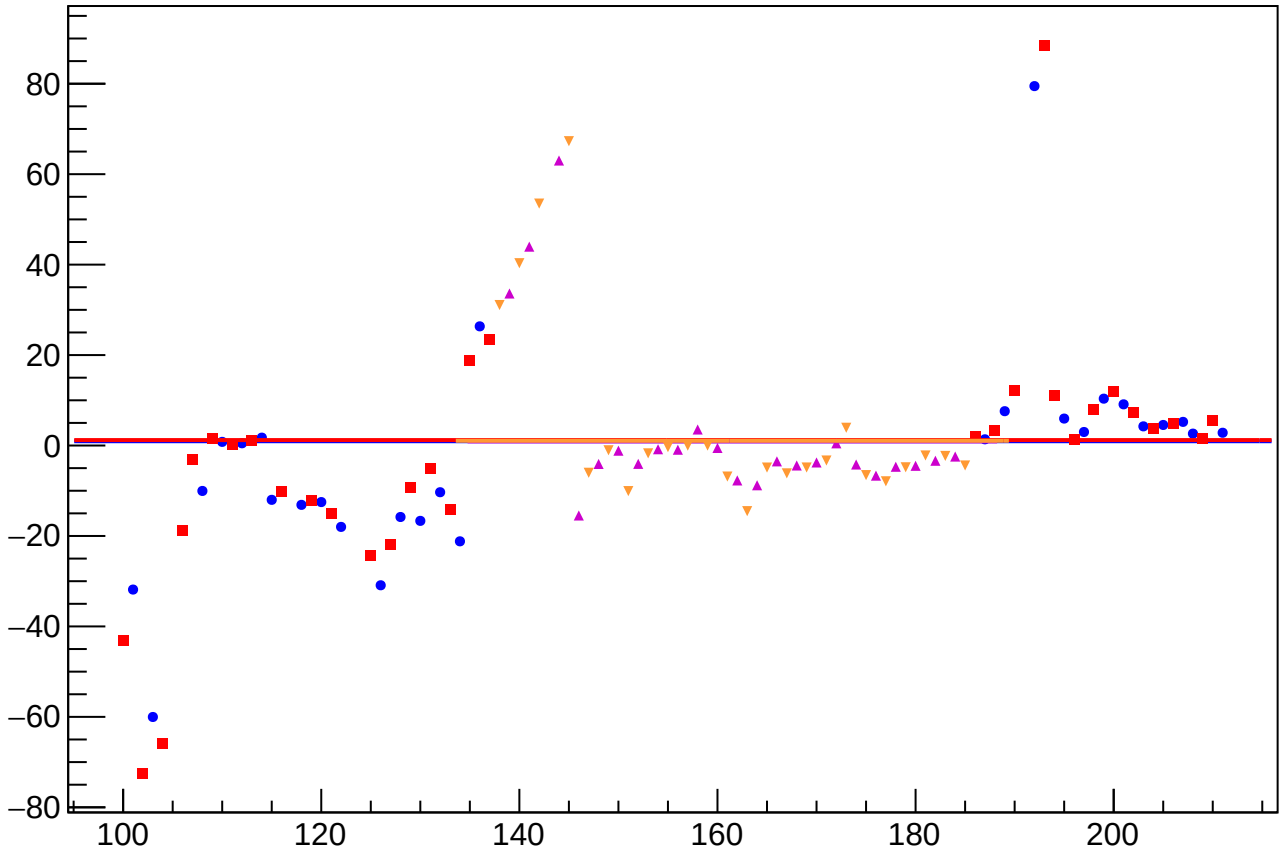
Right Out: 0.103+/-0.002 χ^2/NDF: 33739.1/32

Left In: -0.051+/-0.002 χ^2/NDF:4878.7/22

+ sign -0.017+/-0.001 χ^2/NDF: 41035.0/52

All: -0.010+/-0.001 χ^2/NDF: 82730.9/108

- sign -0.004+/-0.001 χ^2/NDF: 41649.7/55



Right In: 0.952+/-0.038 χ^2/NDF: 120524.1/27

Left Out: 1.053+/-0.041 χ^2/NDF:131031.0/23

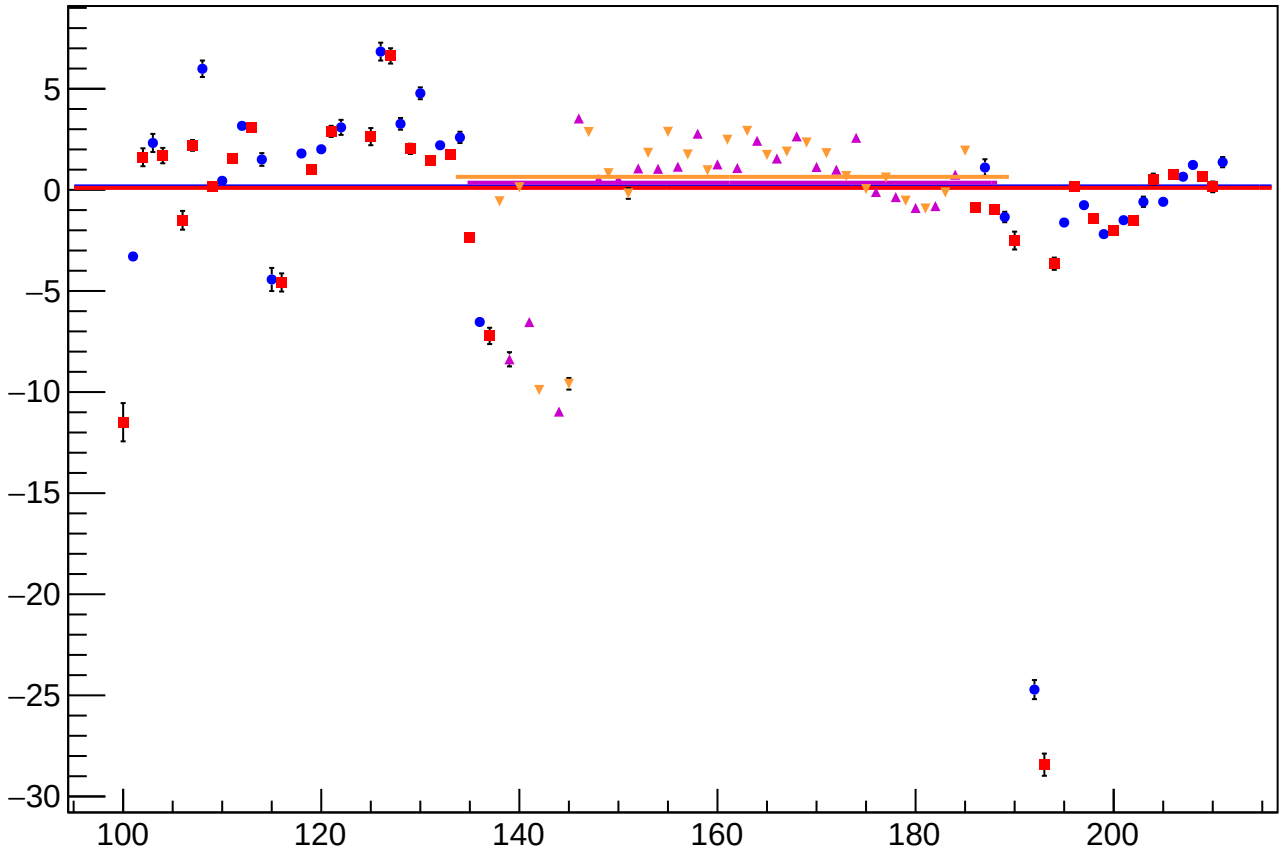
Right Out: 1.204+/-0.033 χ^2/NDF: 119342.9/30

Left In: 0.913+/-0.040 χ^2/NDF:132807.5/22

+ sign 0.999+/-0.028 χ^2/NDF: 251558.4/51

All: 1.044+/-0.019 χ^2/NDF: 503745.4/105

- sign 1.084+/-0.026 χ^2/NDF: 252181.9/53



Right In: 0.172+/-0.046 χ^2/NDF: 6012.7/27

Left Out: 0.644+/-0.033 χ^2/NDF:4711.1/23

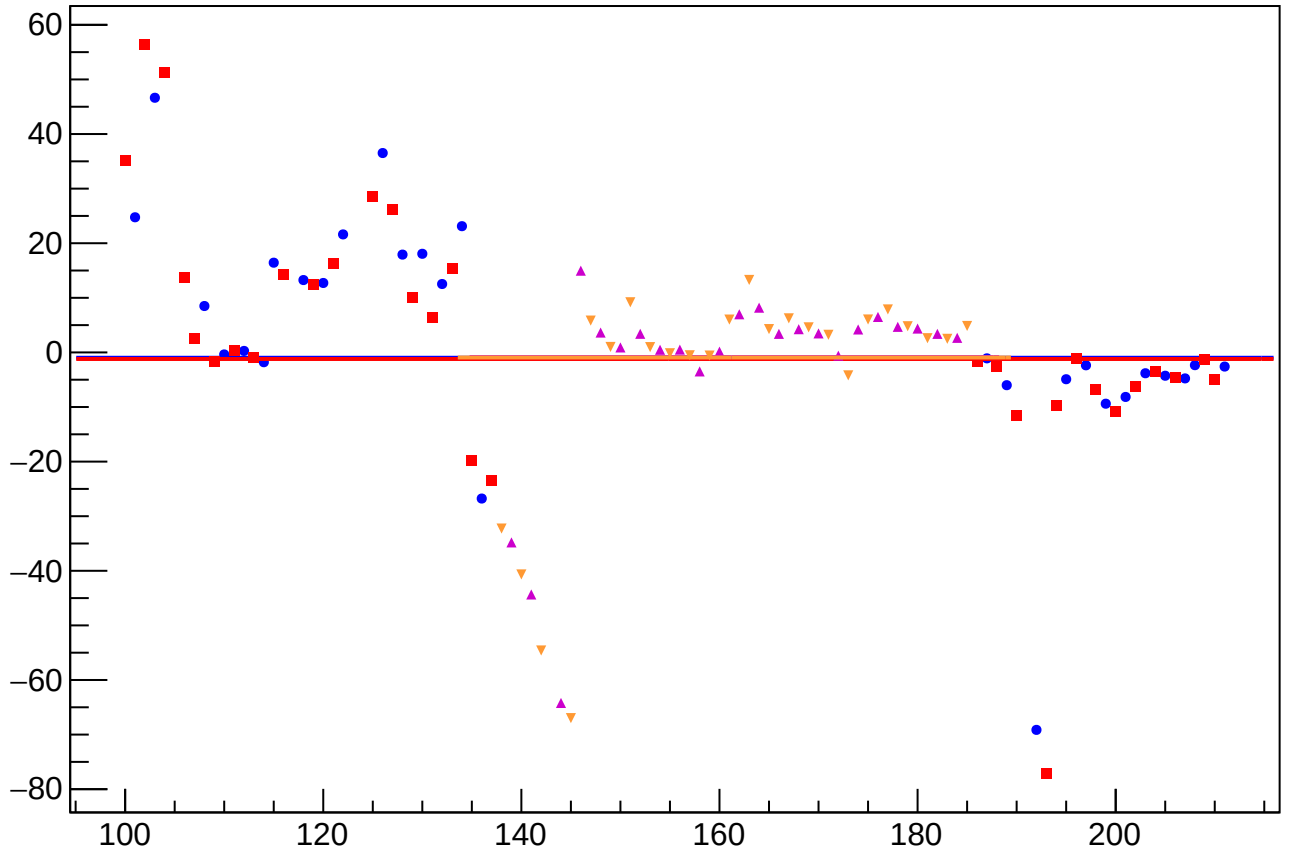
Right Out: 0.099+/-0.043 χ^2/NDF: 4998.2/30

Left In: 0.355+/-0.031 χ^2/NDF:7117.0/22

+ sign 0.481+/-0.027 χ^2/NDF: 10793.7/51

All: 0.368+/-0.018 χ^2/NDF: 22965.3/105

- sign 0.267+/-0.025 χ^2/NDF: 12138.3/53



Right In: -0.982+/-0.039 χ^2/NDF: 119229.5/27

Left Out: -0.929+/-0.041 χ^2/NDF:126378.7/23

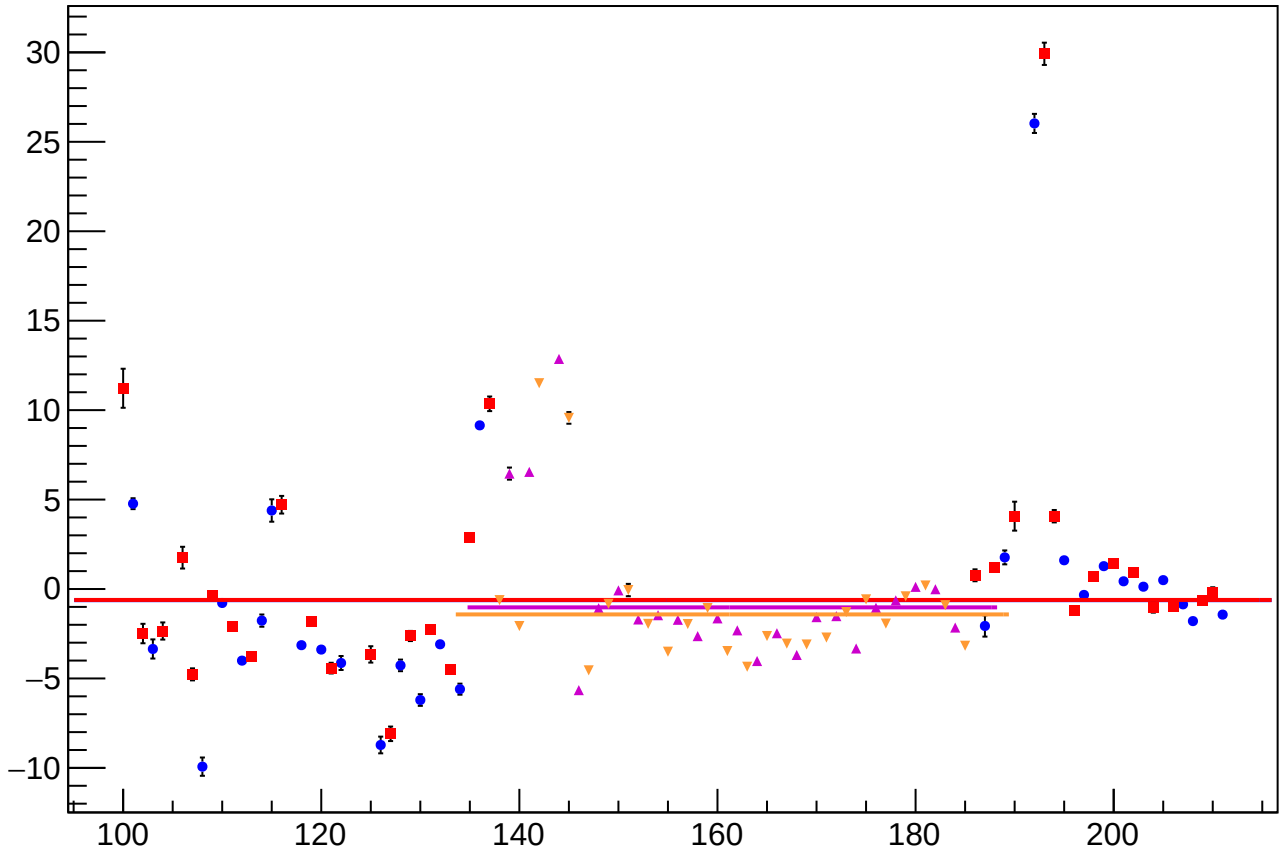
Right Out: -1.200+/-0.035 χ^2/NDF: 117525.1/30

Left In: -0.860+/-0.039 χ^2/NDF:129485.0/22

+ sign -0.957+/-0.028 χ^2/NDF: 245609.1/51

All: -1.006+/-0.019 χ^2/NDF: 492666.6/105

- sign -1.049+/-0.026 χ^2/NDF: 247051.7/53



Right In: -0.624+/-0.053 χ^2/NDF: 7482.0/27

Left Out: -1.420+/-0.037 χ^2/NDF:4642.0/23

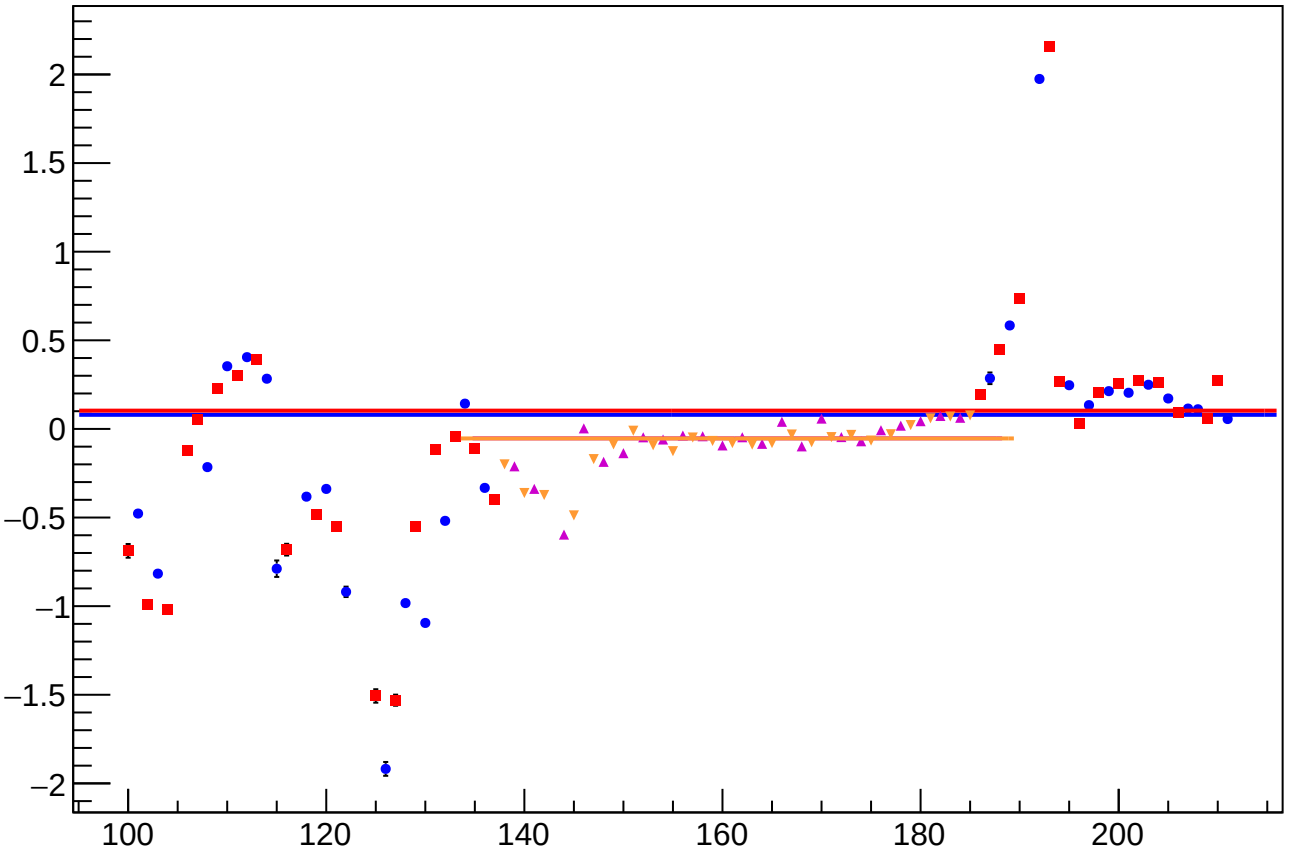
Right Out: -0.611+/-0.050 χ^2/NDF: 5507.7/30

Left In: -1.026+/-0.035 χ^2/NDF:7047.1/22

+ sign -1.161+/-0.030 χ^2/NDF: 12277.9/51

All: -1.019+/-0.021 χ^2/NDF: 24921.5/105

- sign -0.891+/-0.029 χ^2/NDF: 12601.3/53



Right In: 0.080+/-0.002 χ^2/NDF: 34335.5/27

Left Out: -0.054+/-0.002 χ^2/NDF:4340.0/23

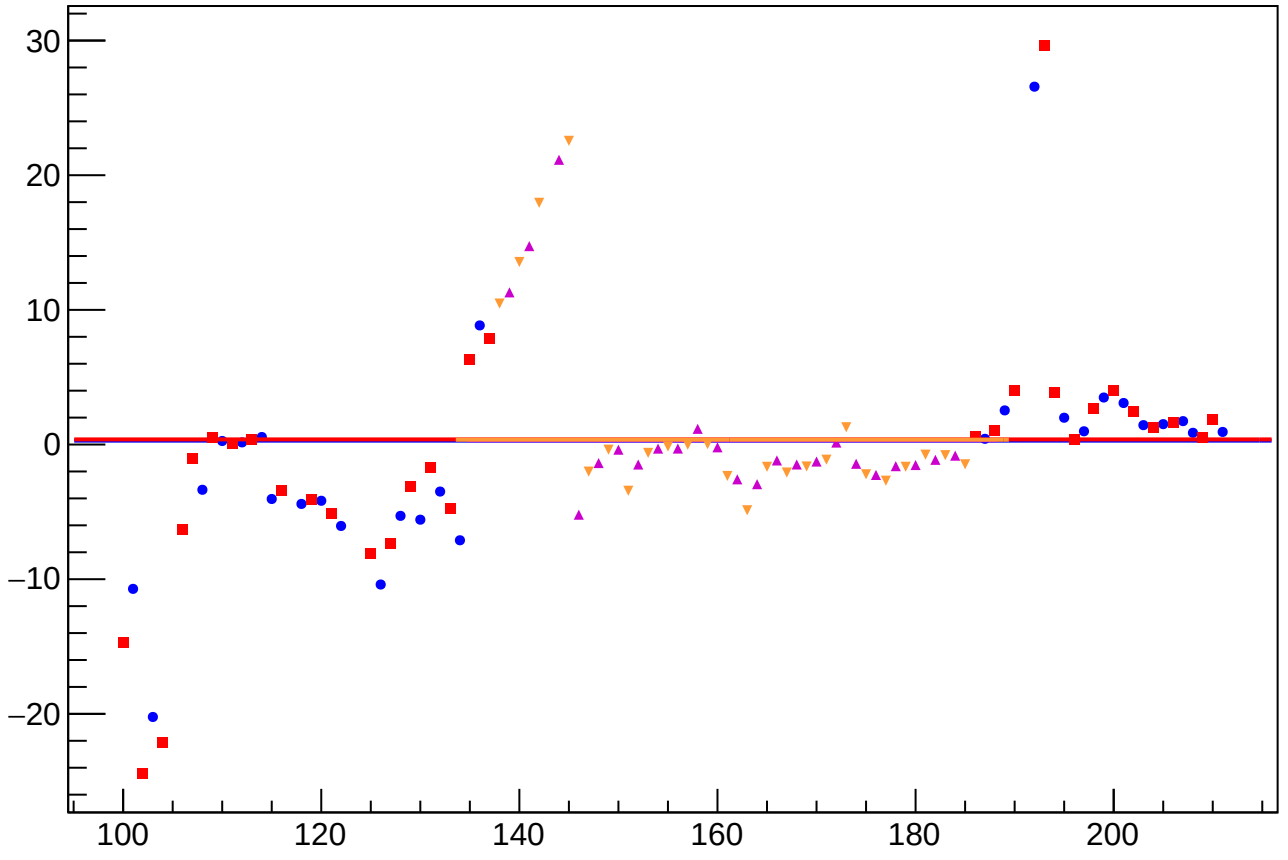
Right Out: 0.103+/-0.002 χ^2/NDF: 34198.7/30

Left In: -0.053+/-0.001 χ^2/NDF:5009.7/22

+ sign -0.011+/-0.001 χ^2/NDF: 40895.4/51

All: -0.009+/-0.001 χ^2/NDF: 83415.2/105

- sign -0.006+/-0.001 χ^2/NDF: 42511.9/53



Right In: 0.290+/-0.013 χ^2/NDF: 118445.2/27

Left Out: 0.359+/-0.014 χ^2/NDF:128829.7/23

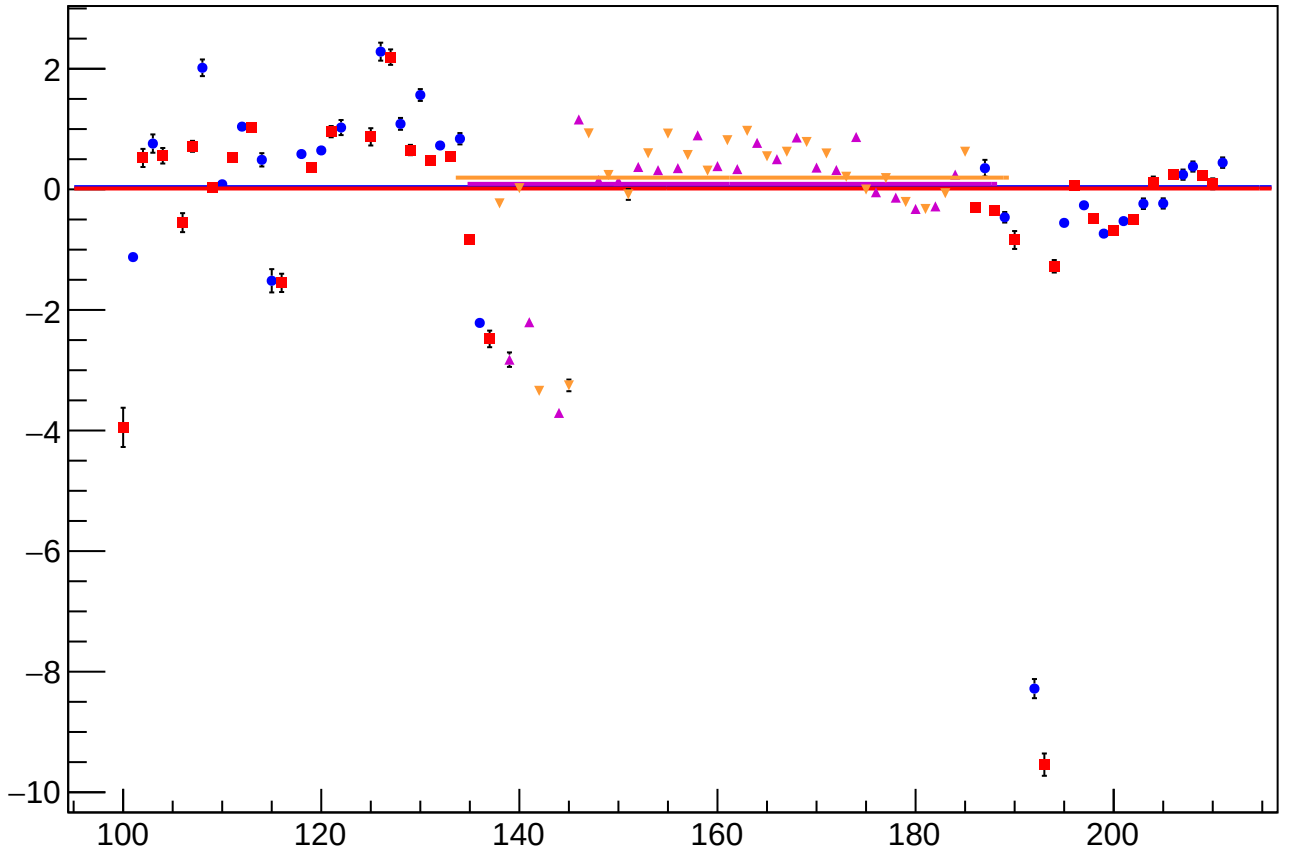
Right Out: 0.382+/-0.012 χ^2/NDF: 117468.3/30

Left In: 0.317+/-0.014 χ^2/NDF:130224.2/22

+ sign 0.322+/-0.009 χ^2/NDF: 247288.1/51

All: 0.340+/-0.006 χ^2/NDF: 495000.0/105

- sign 0.355+/-0.009 χ^2/NDF: 247705.4/53



Right In: 0.037+/-0.016 χ^2/NDF: 5884.6/27

Left Out: 0.194+/-0.011 χ^2/NDF:4645.0/23

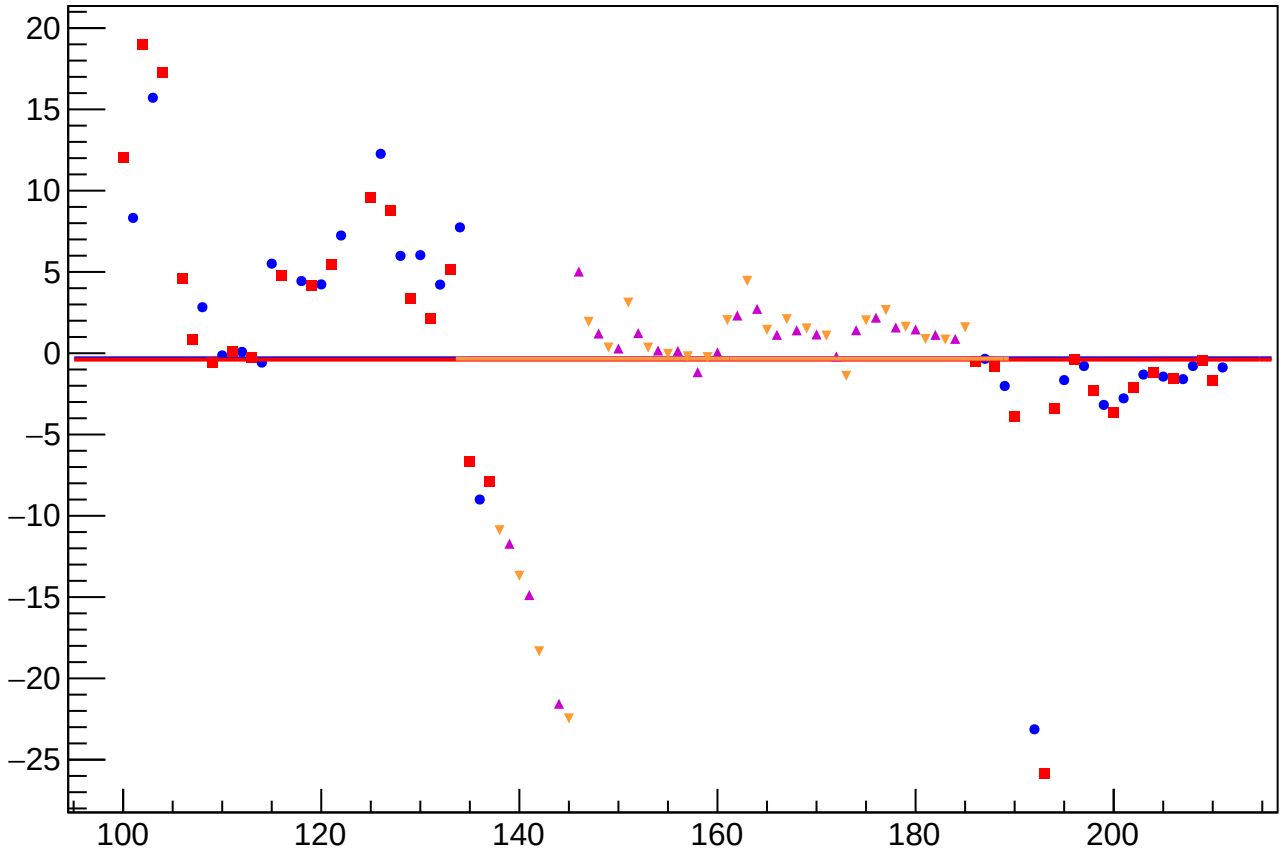
Right Out: 0.014+/-0.015 χ^2/NDF: 4905.8/30

Left In: 0.091+/-0.011 χ^2/NDF:6936.4/22

+ sign 0.140+/-0.009 χ^2/NDF: 10595.9/51

All: 0.100+/-0.006 χ^2/NDF: 22491.5/105

- sign 0.065+/-0.009 χ^2/NDF: 11859.9/53



Right In: -0.314+/-0.013 χ^2/NDF: 117194.1/27

Left Out: -0.332+/-0.014 χ^2/NDF:124233.4/23

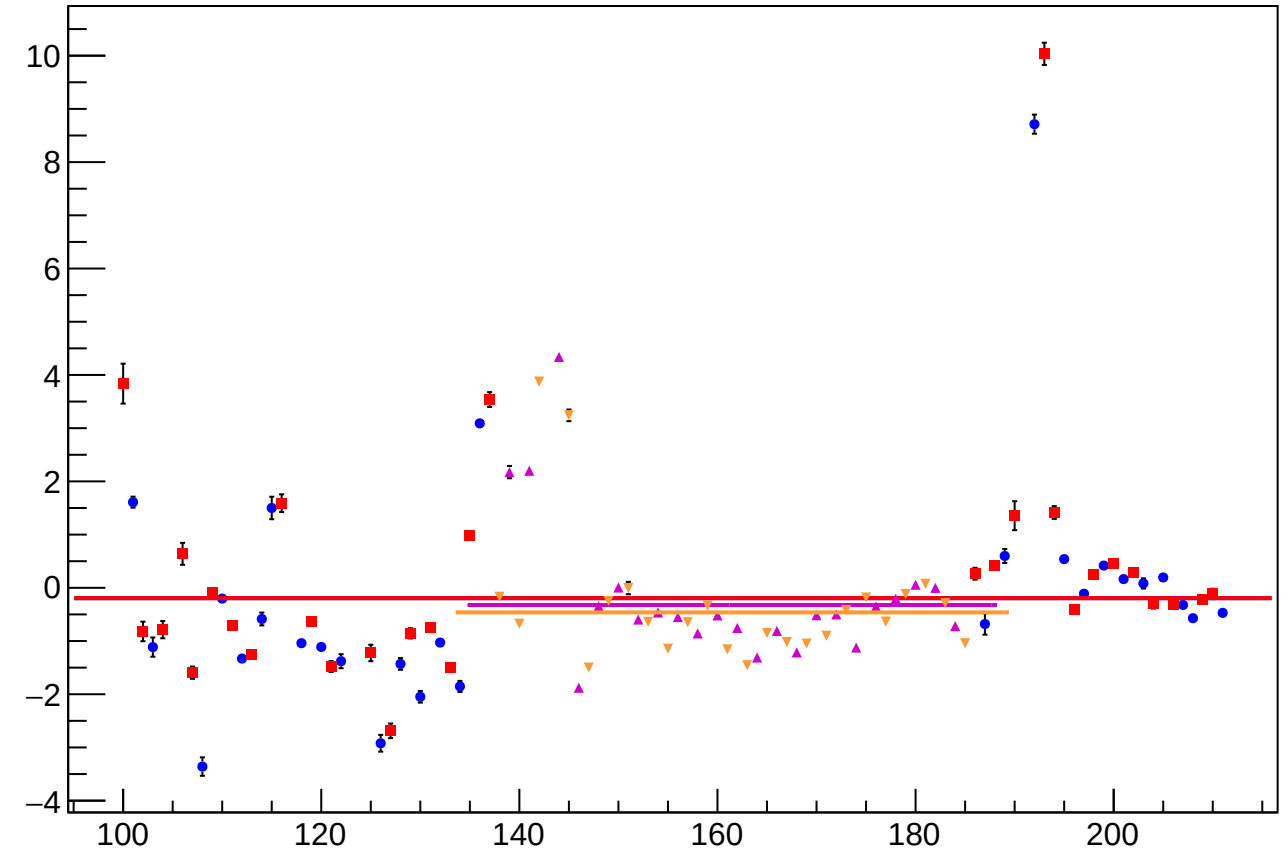
Right Out: -0.392+/-0.012 χ^2/NDF: 115716.9/30

Left In: -0.314+/-0.013 χ^2/NDF:126999.2/22

+ sign -0.323+/-0.010 χ^2/NDF: 241428.4/51

All: -0.341+/-0.007 χ^2/NDF: 484170.3/105

- sign -0.357+/-0.009 χ^2/NDF: 242735.0/53



Right In: -0.195+/-0.018 χ^2/NDF: 7325.2/27

Left Out: -0.462+/-0.013 χ^2/NDF:4580.0/23

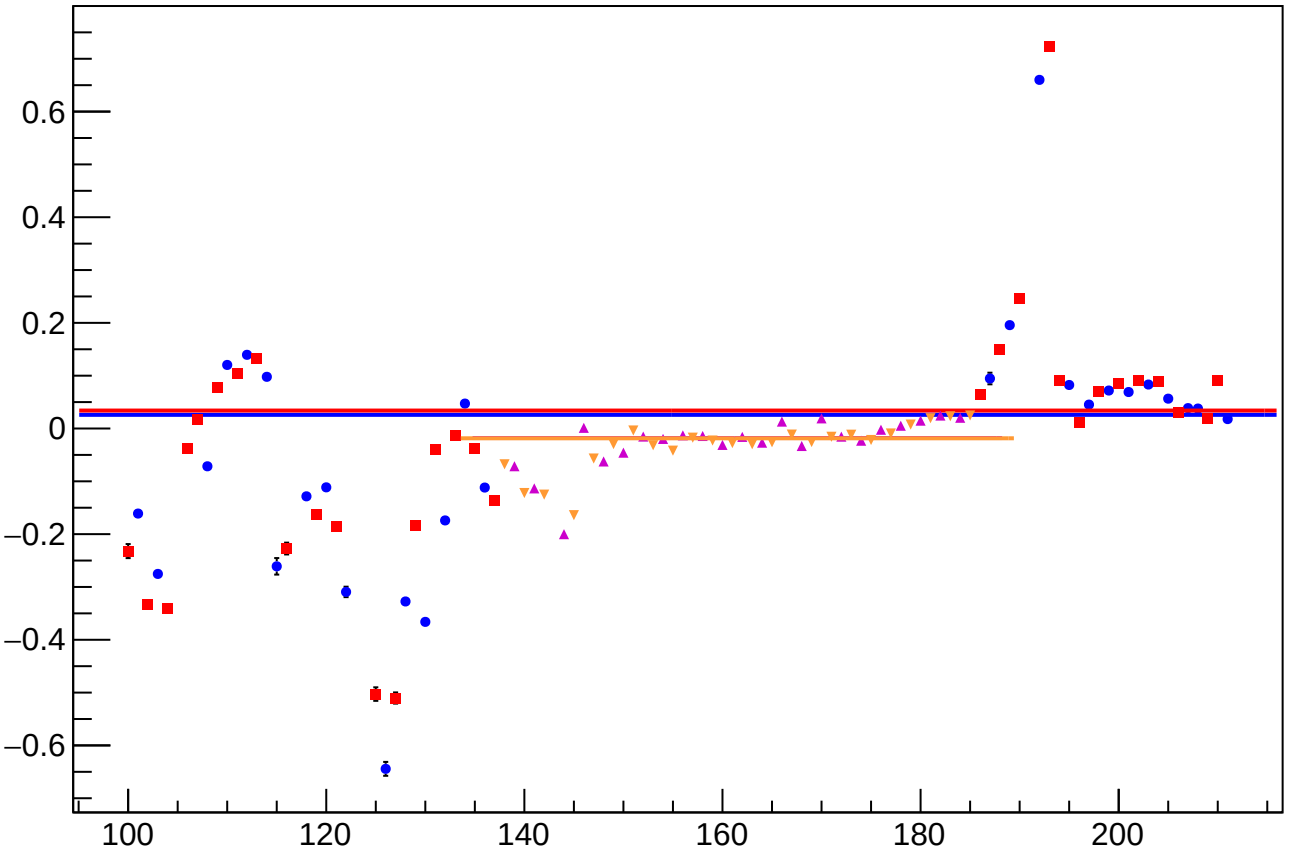
Right Out: -0.194+/-0.017 χ^2/NDF: 5410.1/30

Left In: -0.323+/-0.012 χ^2/NDF:6881.8/22

+ sign -0.375+/-0.010 χ^2/NDF: 12052.2/51

All: -0.326+/-0.007 χ^2/NDF: 24425.9/105

- sign -0.281+/-0.010 χ^2/NDF: 12329.9/53



Right In: 0.026+/-0.001 χ^2/NDF: 33750.6/27

Left Out: -0.019+/-0.001 χ^2/NDF:4227.5/23

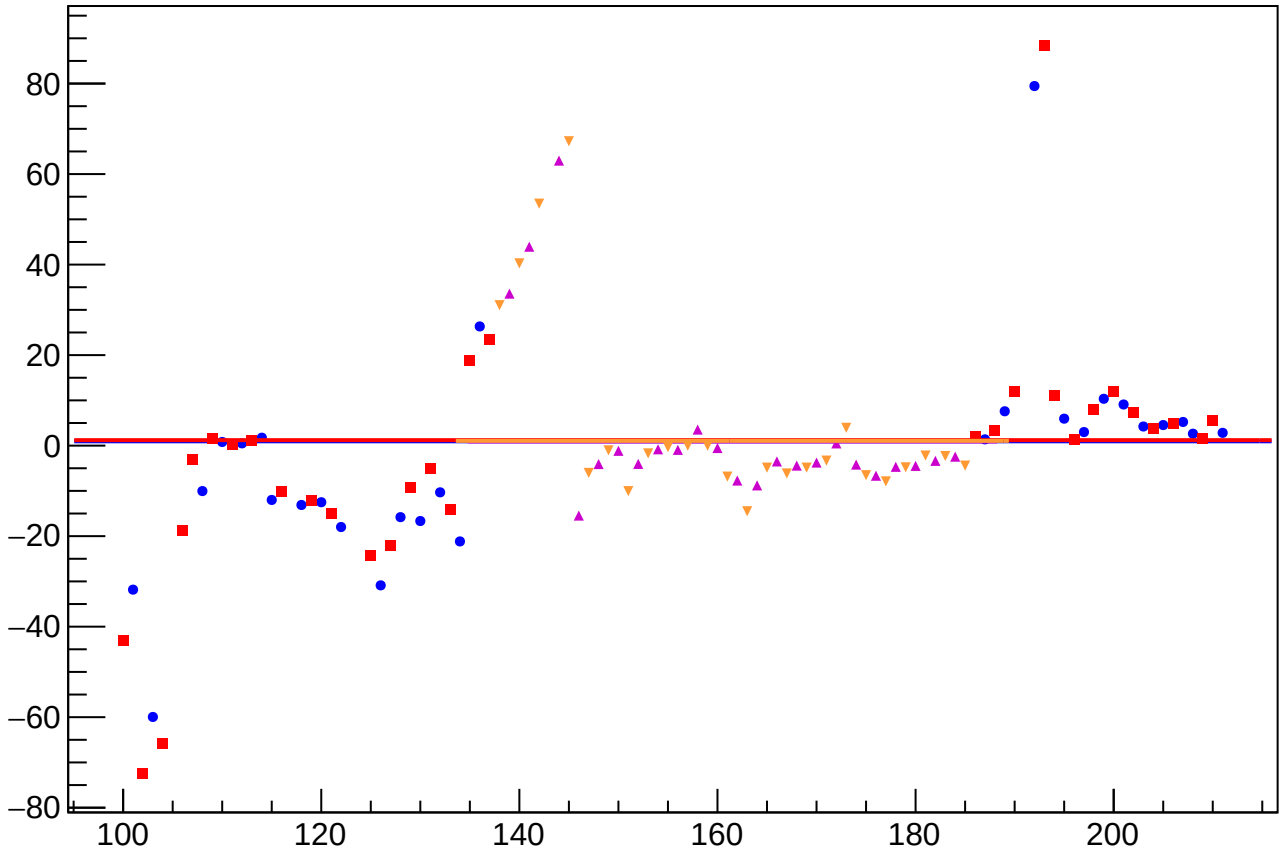
Right Out: 0.034+/-0.001 χ^2/NDF: 33565.9/30

Left In: -0.018+/-0.001 χ^2/NDF:4879.3/22

\+ sign -0.005+/-0.000 χ^2/NDF: 40072.4/51

All: -0.003+/-0.000 χ^2/NDF: 81628.2/105

\- sign -0.002+/-0.000 χ^2/NDF: 41544.4/53



Right In: 0.957+/-0.038 χ^2/NDF: 120545.1/27

Left Out: 1.058+/-0.041 χ^2/NDF:131010.5/23

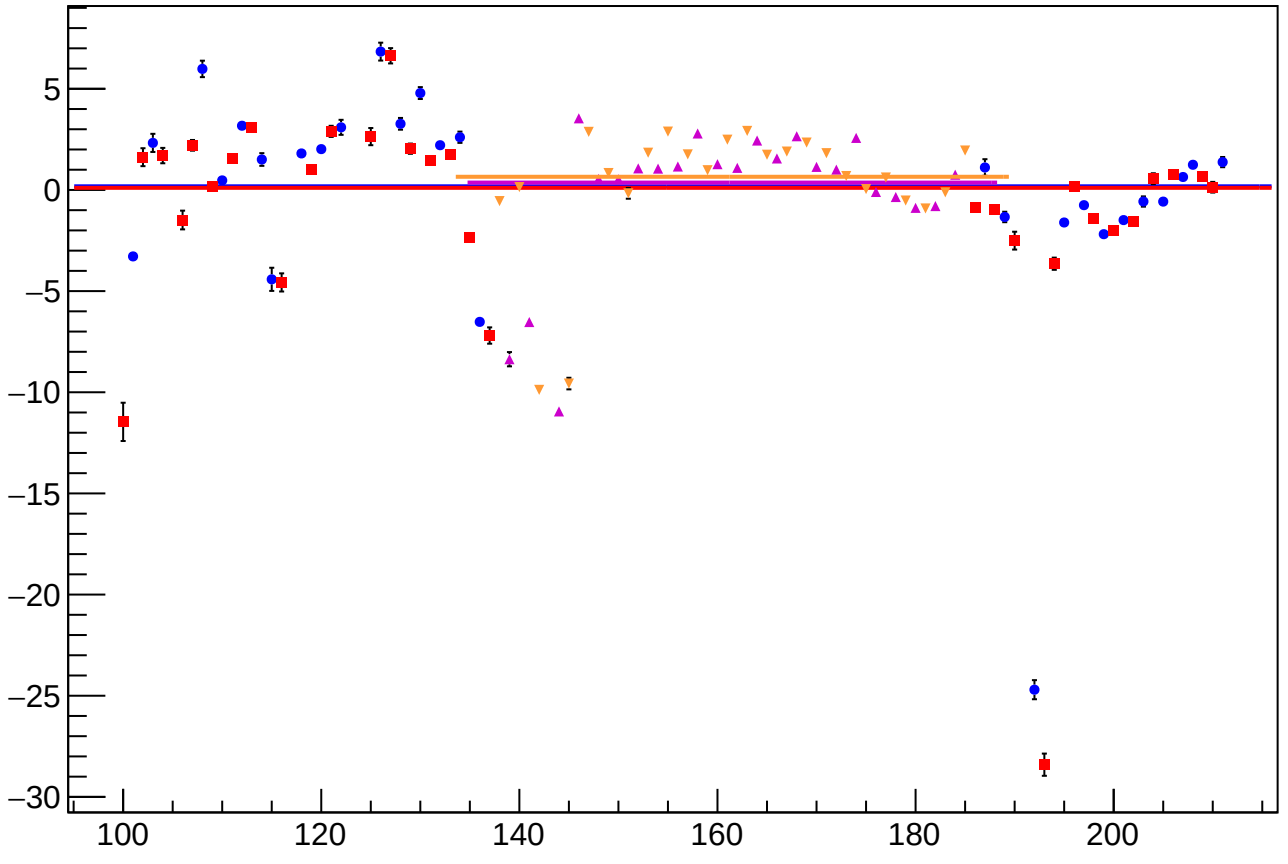
Right Out: 1.209+/-0.033 χ^2/NDF: 119364.6/30

Left In: 0.915+/-0.040 χ^2/NDF:132816.1/22

+ sign 1.004+/-0.028 χ^2/NDF: 251558.9/51

All: 1.049+/-0.019 χ^2/NDF: 503776.5/105

- sign 1.087+/-0.026 χ^2/NDF: 252212.6/53



Right In: 0.180+/-0.046 χ^2/NDF: 6016.4/27

Left Out: 0.651+/-0.033 χ^2/NDF:4708.8/23

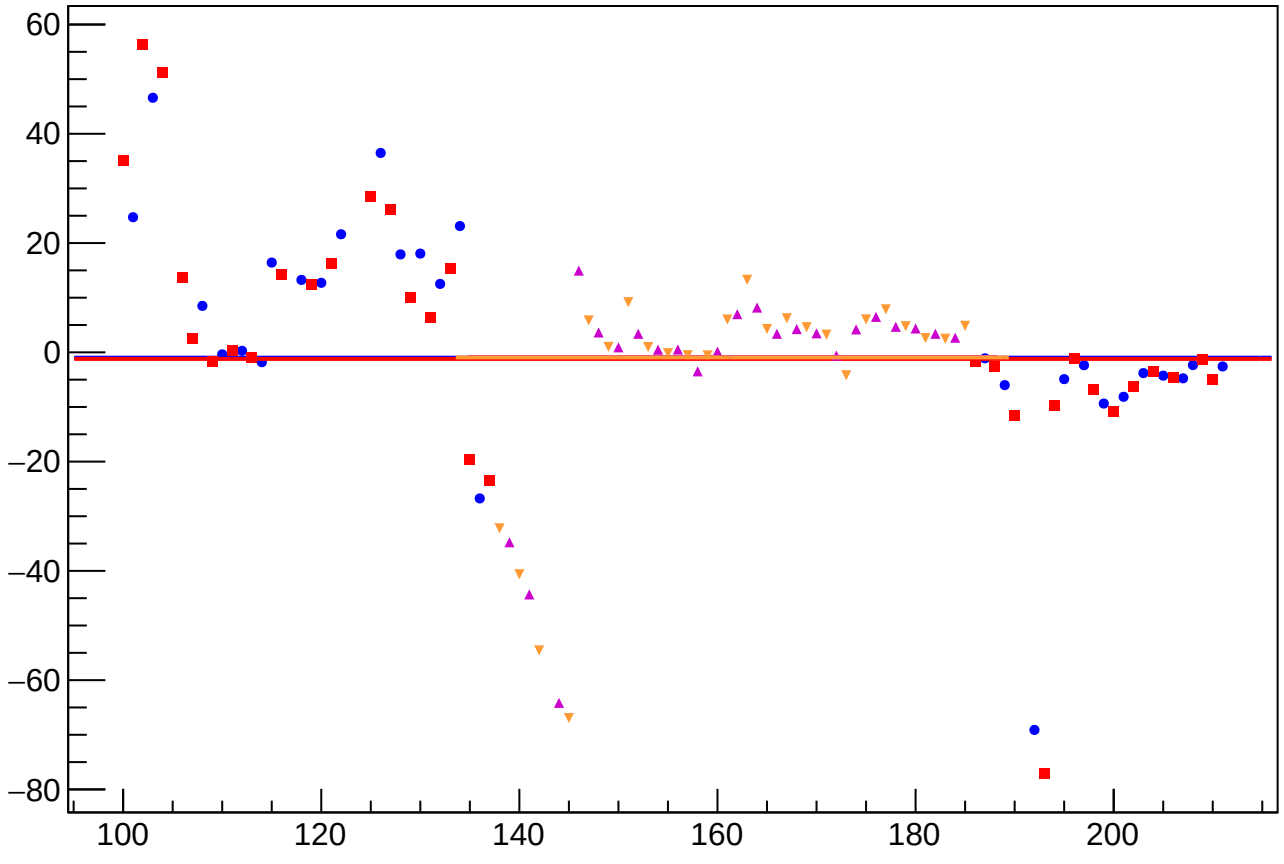
Right Out: 0.105+/-0.043 χ^2/NDF: 4999.8/30

Left In: 0.364+/-0.031 χ^2/NDF:7122.4/22

+ sign 0.488+/-0.027 χ^2/NDF: 10795.2/51

All: 0.375+/-0.018 χ^2/NDF: 22974.4/105

- sign 0.275+/-0.025 χ^2/NDF: 12145.8/53



Right In: -0.982+/-0.039 χ^2/NDF: 119247.8/27

Left Out: -0.927+/-0.041 χ^2/NDF:126360.1/23

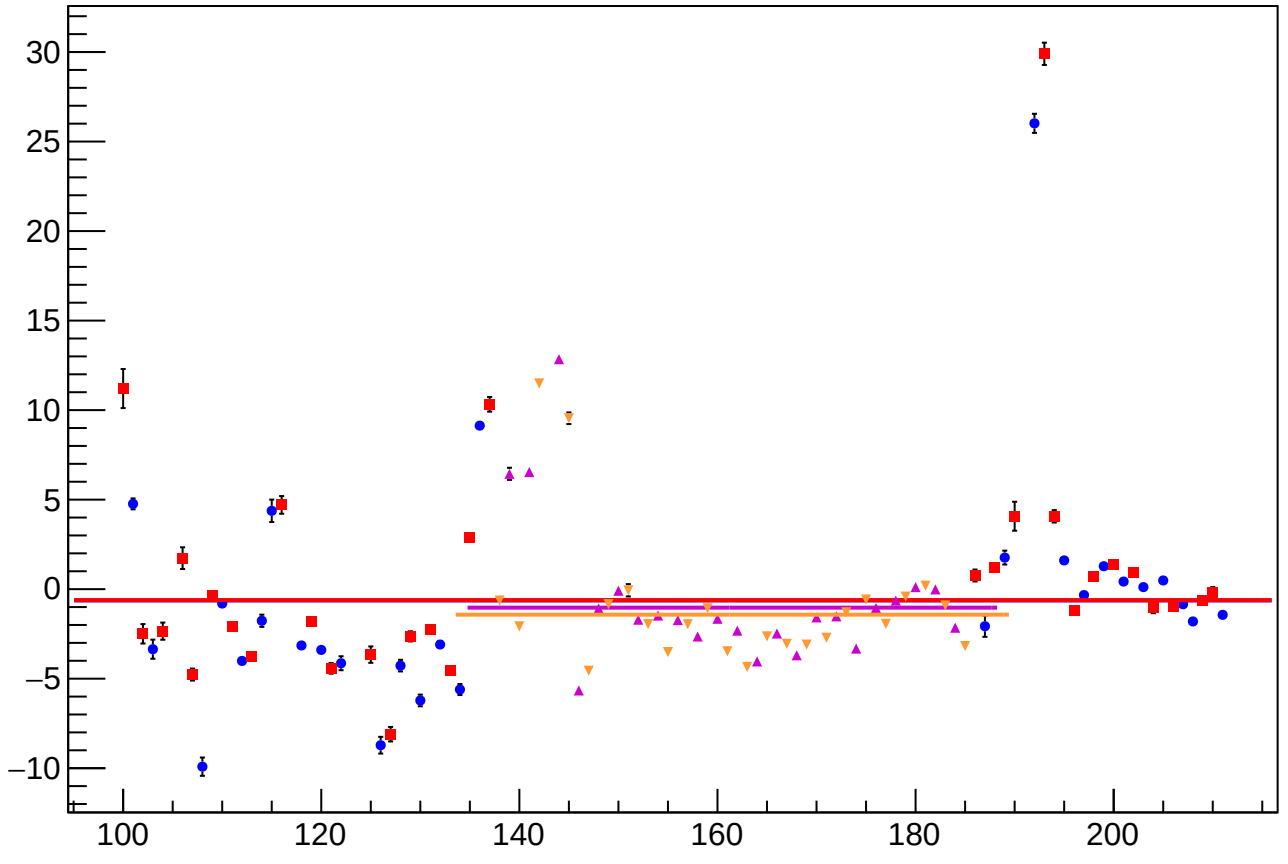
Right Out: -1.200+/-0.035 χ^2/NDF: 117541.4/30

Left In: -0.858+/-0.039 χ^2/NDF:129490.8/22

+ sign -0.956+/-0.028 χ^2/NDF: 245608.9/51

All: -1.005+/-0.019 χ^2/NDF: 492689.2/105

- sign -1.047+/-0.026 χ^2/NDF: 247074.6/53



Right In: -0.629+/-0.053 χ^2/NDF: 7484.9/27

Left Out: -1.425+/-0.037 χ^2/NDF:4639.6/23

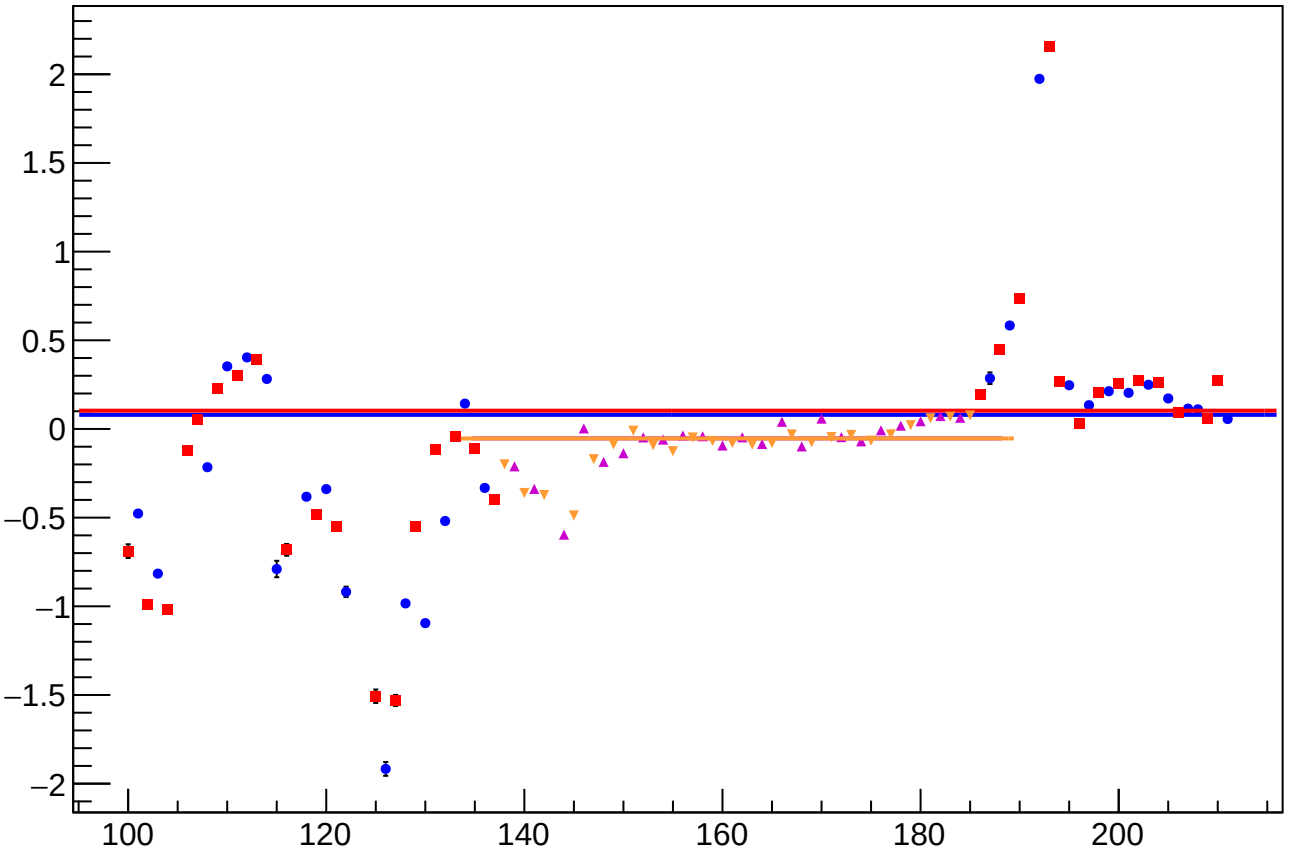
Right Out: -0.614+/-0.050 χ^2/NDF: 5508.0/30

Left In: -1.032+/-0.035 χ^2/NDF:7051.3/22

+ sign -1.165+/-0.030 χ^2/NDF: 12278.5/51

All: -1.023+/-0.021 χ^2/NDF: 24927.5/105

- sign -0.896+/-0.028 χ^2/NDF: 12606.7/53



Right In: 0.080+/-0.002 χ^2/NDF: 34344.4/27

Left Out: -0.054+/-0.002 χ^2/NDF:4341.2/23

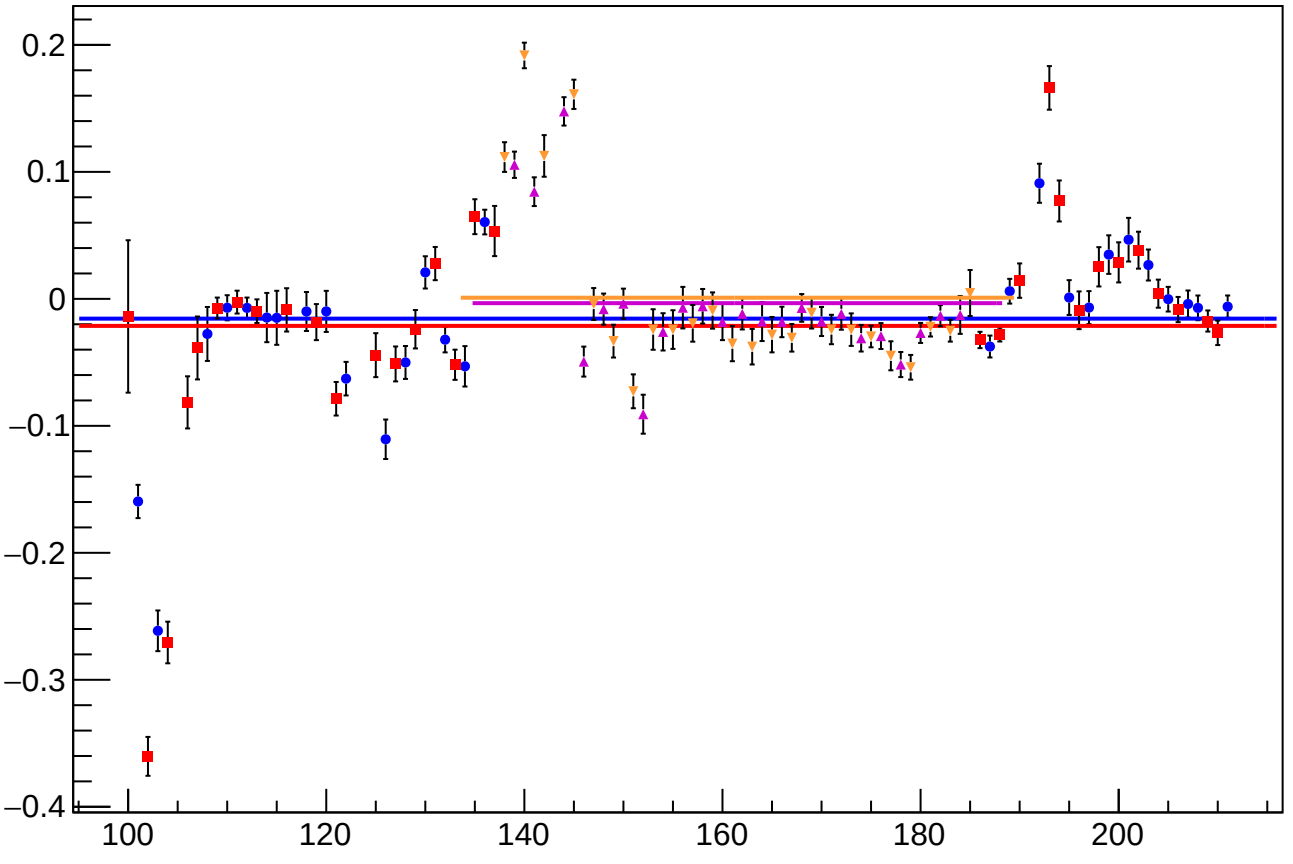
Right Out: 0.103+/-0.002 χ^2/NDF: 34213.9/30

Left In: -0.053+/-0.001 χ^2/NDF:5013.3/22

+ sign -0.011+/-0.001 χ^2/NDF: 40906.3/51

All: -0.009+/-0.001 χ^2/NDF: 83451.8/105

- sign -0.006+/-0.001 χ^2/NDF: 42537.8/53



Right In: -0.016+/-0.002 χ^2/NDF: 596.8/27

Left Out: 0.001+/-0.002 χ^2/NDF:849.7/23

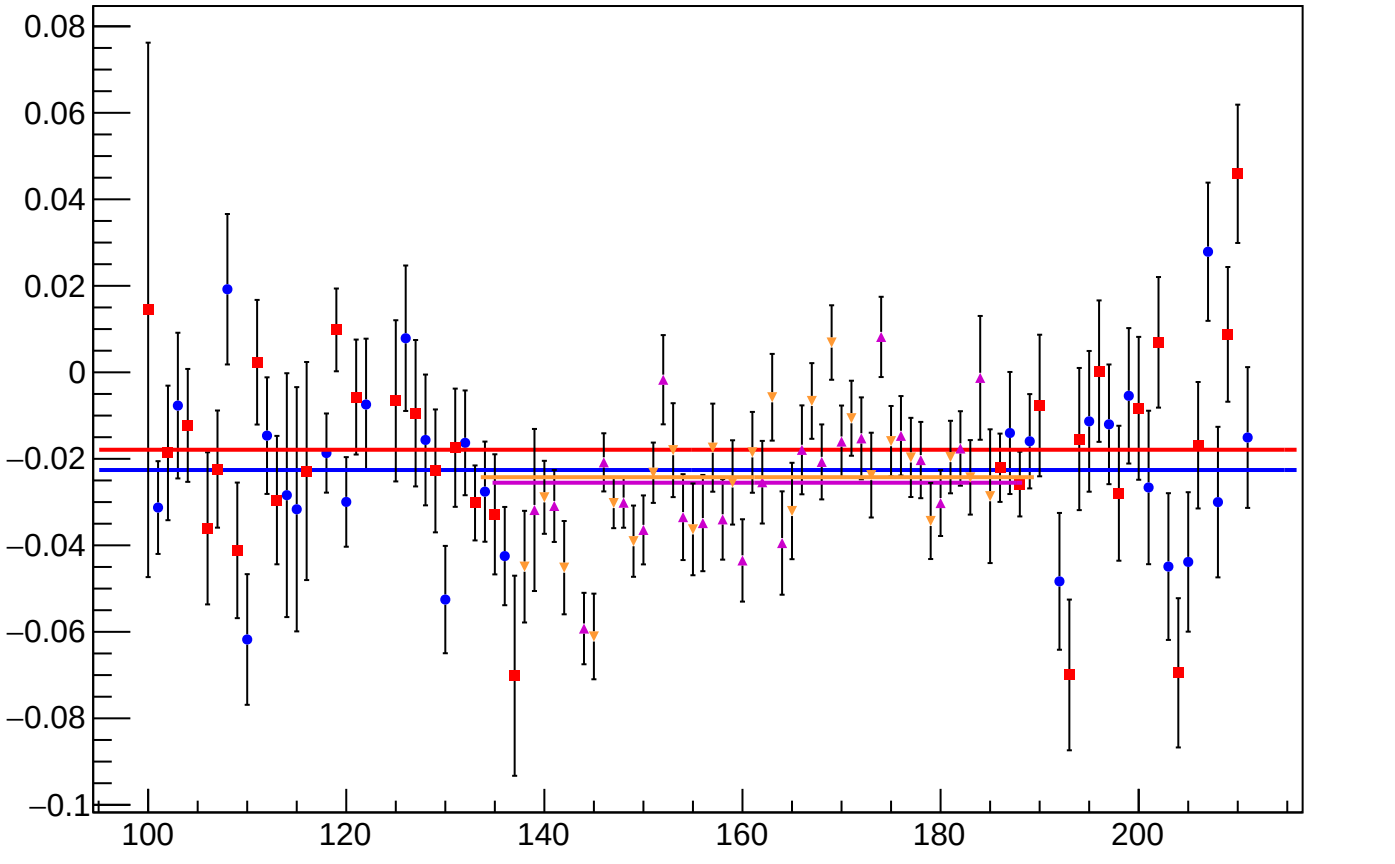
Right Out: -0.021+/-0.002 χ^2/NDF: 1051.1/30

Left In: -0.003+/-0.002 χ^2/NDF:457.9/22

+ sign -0.008+/-0.002 χ^2/NDF: 1471.5/51

All: -0.011+/-0.001 χ^2/NDF: 3018.8/105

- sign -0.014+/-0.002 χ^2/NDF: 1540.7/53



Right In: -0.023+/-0.003 χ^2/NDF: 48.5/27

Left Out: -0.024+/-0.002 χ^2/NDF:53.7/23

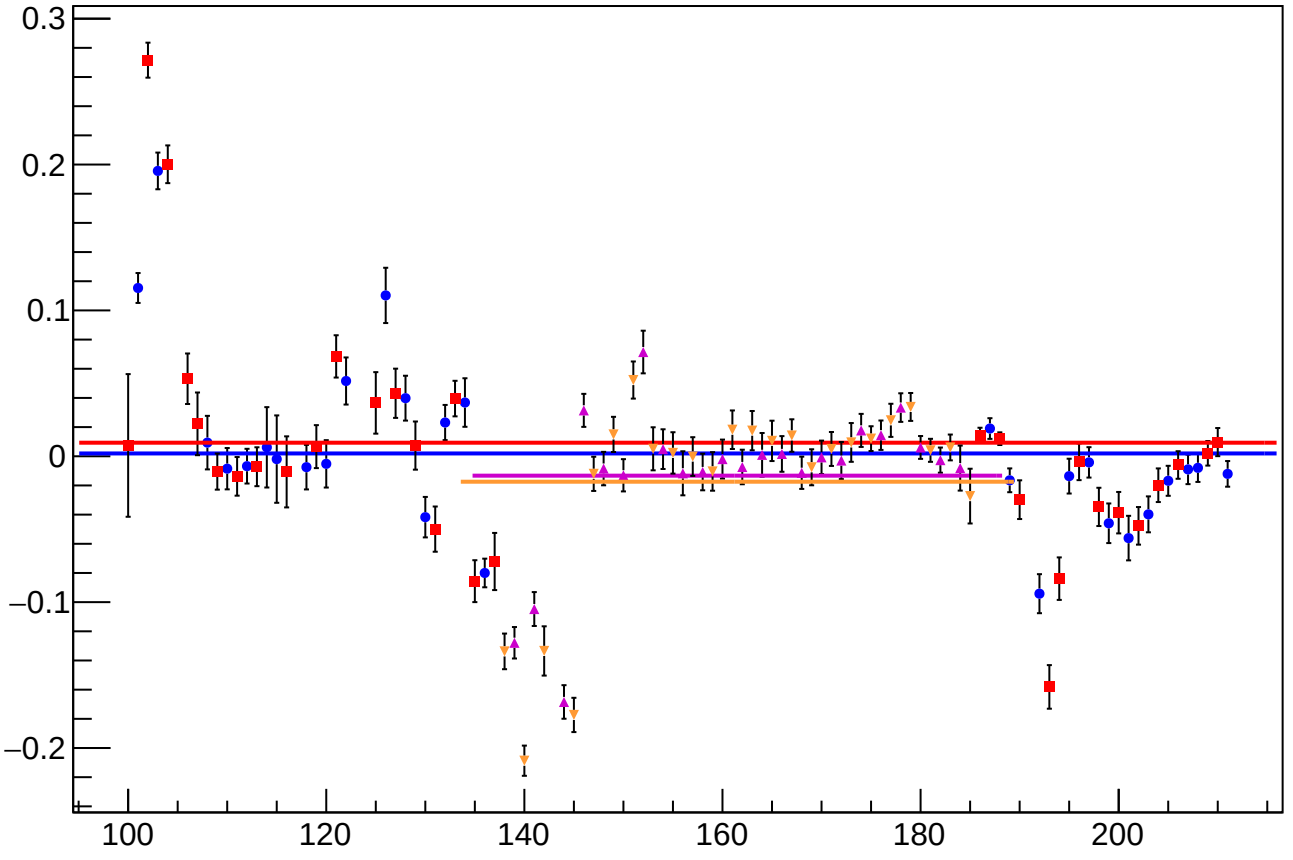
Right Out: -0.018+/-0.002 χ^2/NDF: 67.9/30

Left In: -0.026+/-0.002 χ^2/NDF:55.0/22

+ sign -0.024+/-0.002 χ^2/NDF: 102.5/51

All: -0.023+/-0.001 χ^2/NDF: 231.7/105

- sign -0.023+/-0.001 χ^2/NDF: 129.0/53



Right In: 0.002+/-0.002 χ^2/NDF: 607.8/27

Left Out: -0.017+/-0.002 χ^2/NDF:812.1/23

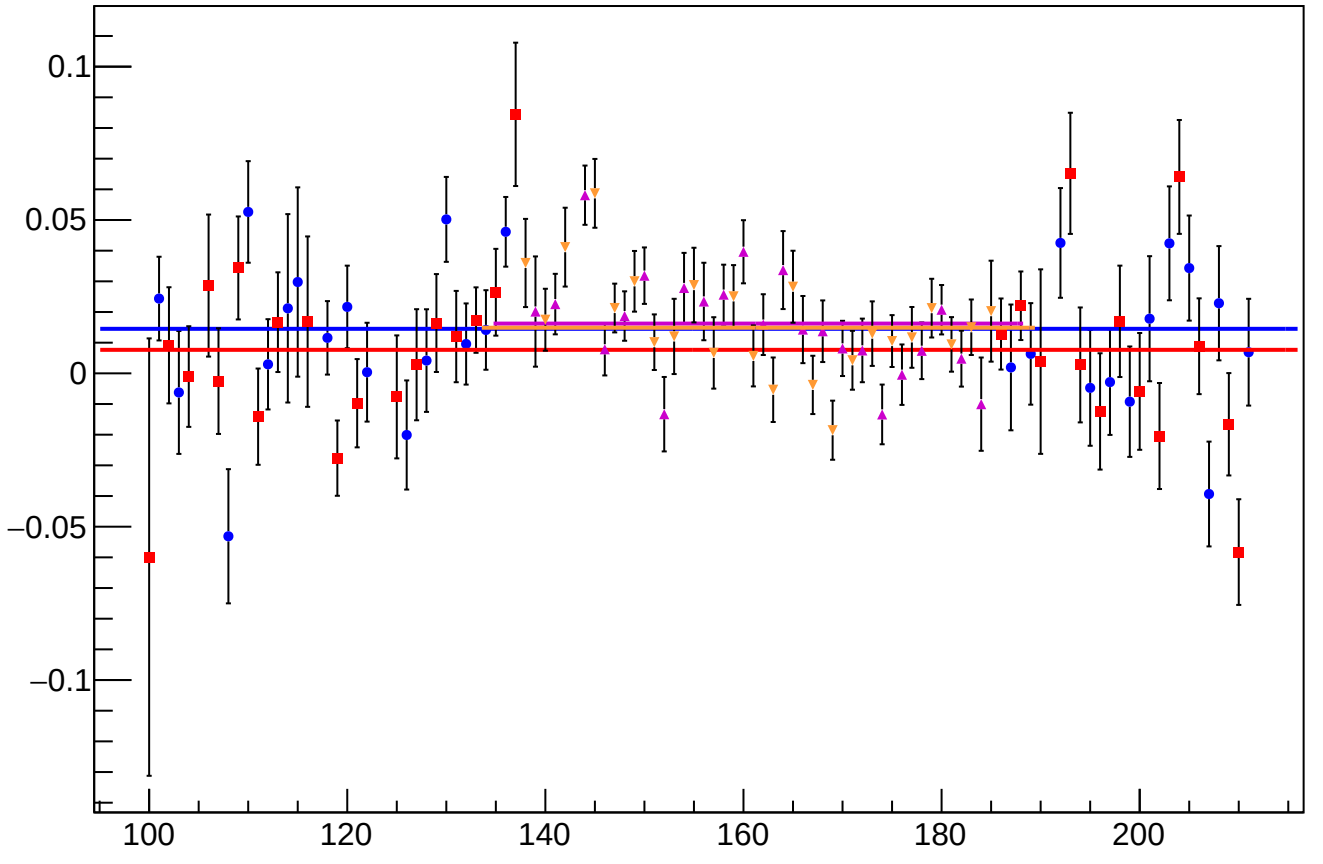
Right Out: 0.009+/-0.002 χ^2/NDF: 1043.9/30

Left In: -0.013+/-0.002 χ^2/NDF:458.6/22

\+ sign -0.007+/-0.002 χ^2/NDF: 1454.6/51

All: -0.003+/-0.001 χ^2/NDF: 3020.0/105

\- sign -0.000+/-0.002 χ^2/NDF: 1555.0/53



Right In: 0.015+/-0.003 χ^2/NDF: 58.0/27

Left Out: 0.015+/-0.002 χ^2/NDF:52.1/23

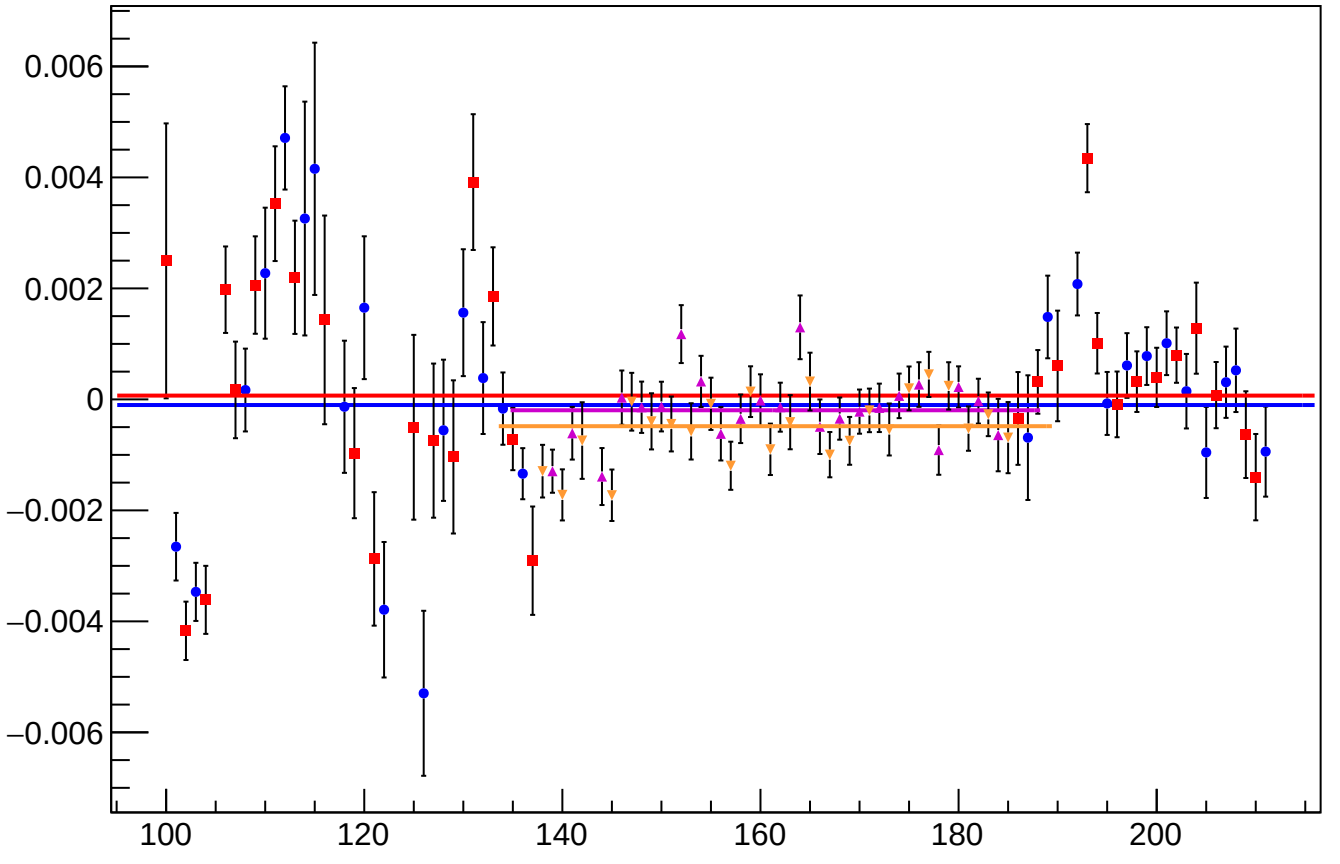
Right Out: 0.008+/-0.003 χ^2/NDF: 72.3/30

Left In: 0.016+/-0.002 χ^2/NDF:58.0/22

+ sign 0.015+/-0.002 χ^2/NDF: 110.1/51

All: 0.014+/-0.001 χ^2/NDF: 246.2/105

- sign 0.013+/-0.002 χ^2/NDF: 135.9/53



Right In: -0.000+/-0.000 χ^2/NDF: 160.0/27

Left Out: -0.000+/-0.000 χ^2/NDF:40.8/23

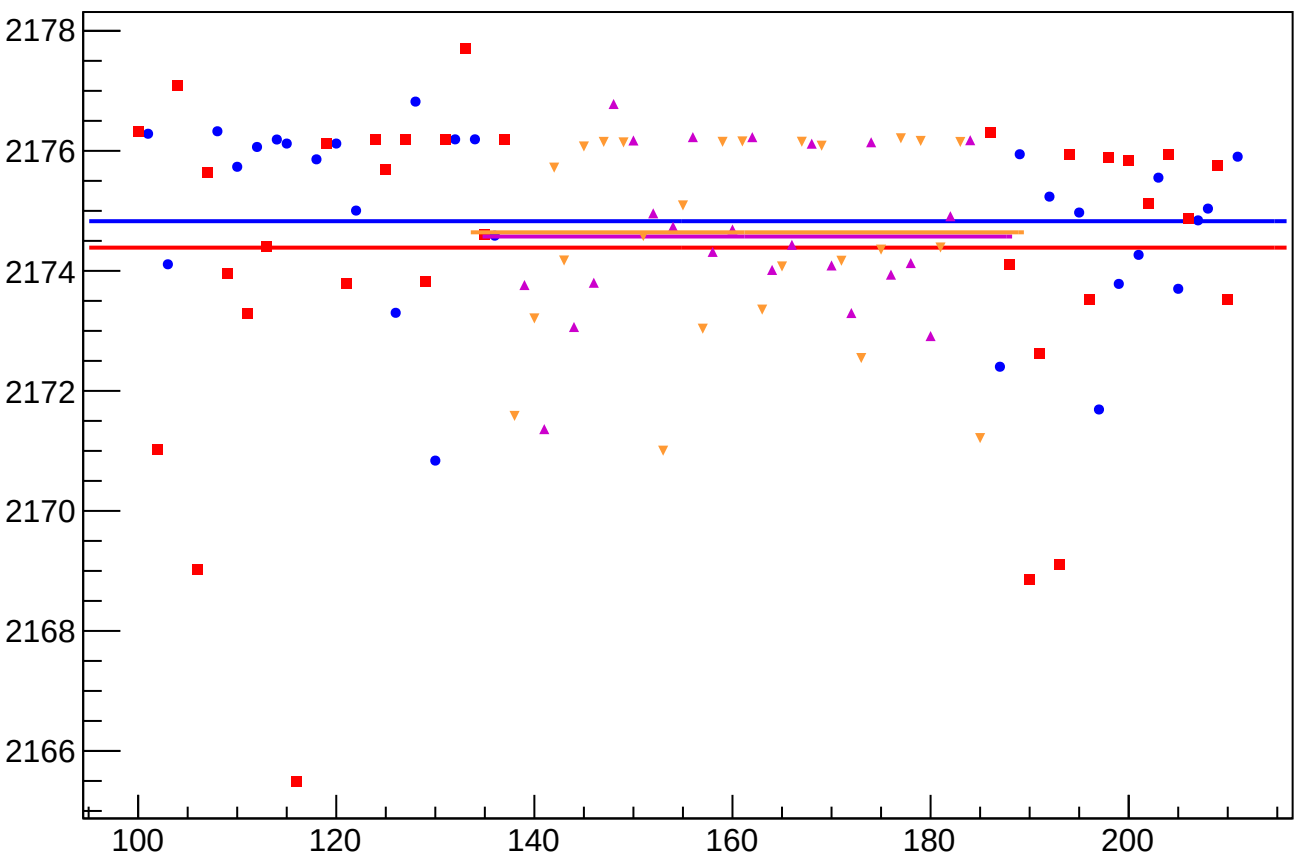
Right Out: 0.000+/-0.000 χ^2/NDF: 223.9/30

Left In: -0.000+/-0.000 χ^2/NDF:37.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 205.9/51

All: -0.000+/-0.000 χ^2/NDF: 475.1/105

- sign -0.000+/-0.000 χ^2/NDF: 263.7/53



Right In: 2174.828+/-0.000 χ^2/NDF: 32977833093026165842599035839447040/27

+ sign 2174.727+/-0.000 χ^2/NDF: 8541214735793

Left Out: 2174.643+/-0.000 χ^2/NDF:52116844463194421571996575984517120/24

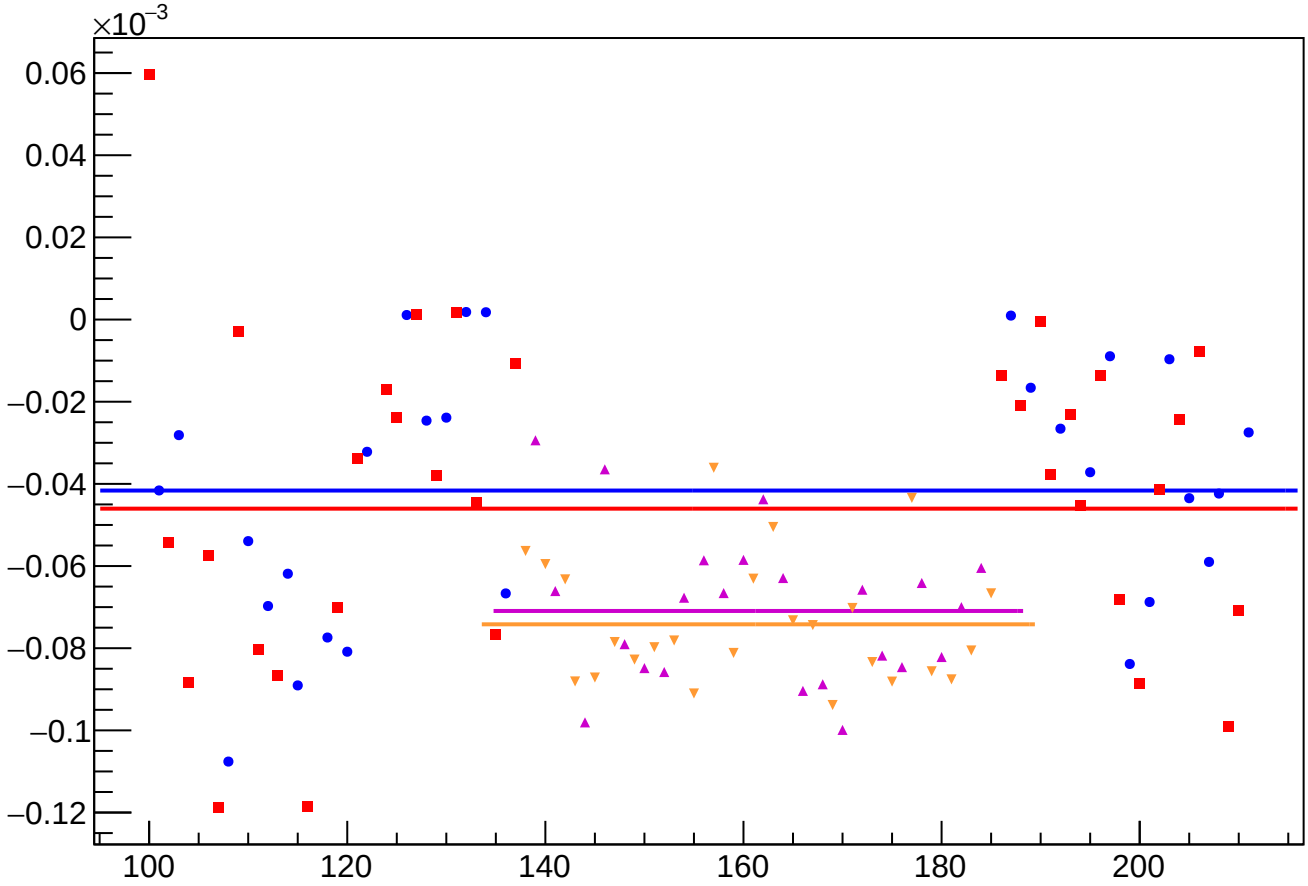
All: 2174.604+/-0.000 χ^2/NDF: 223218416

Right Out: 2174.387+/-0.000 χ^2/NDF: 10203639849149248531687043156148224.0/32

- sign 2174.481+/-0.000 χ^2/NDF: 1366727594749

Left In: 2174.573+/-0.000 χ^2/NDF:34312670977938388457288638157291520/22

HALLA_dpp_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 126789885910597260174950 4.0/27

Left Out: -0.000+/-0.000 χ^2/NDF:47183476855130979250995 2.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 20470152618193367072768 00.0/32

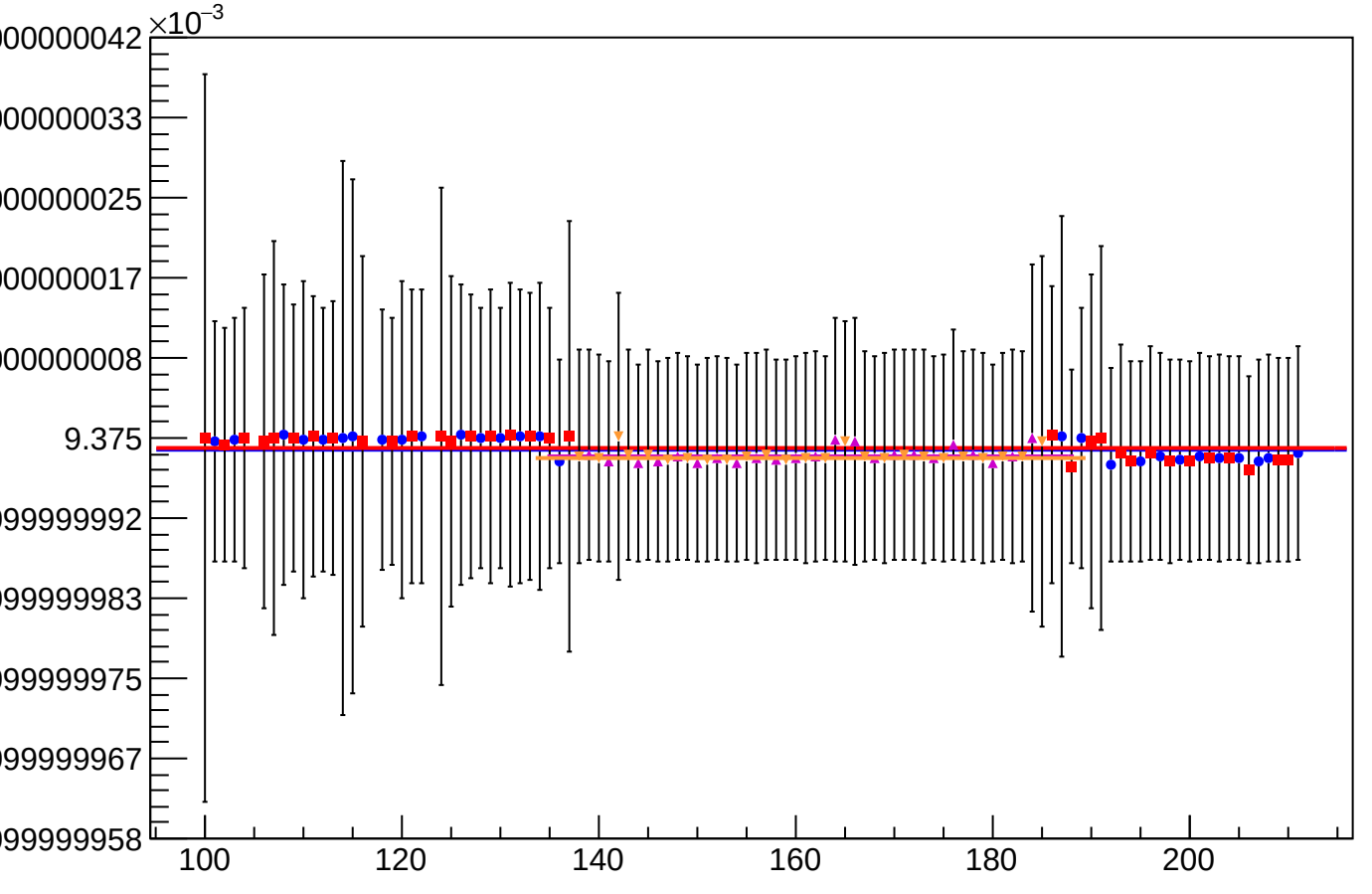
Left In: -0.000+/-0.000 χ^2/NDF:63109152678988936852275 2.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 2718753285588680

All: -0.000+/-0.000 χ^2/NDF: 5981177513968

- sign -0.000+/-0.000 χ^2/NDF: 3261647610358130 8

MQ171LM_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 0.2/27

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: 0.009+/-0.000 χ^2/NDF: 0.3/32

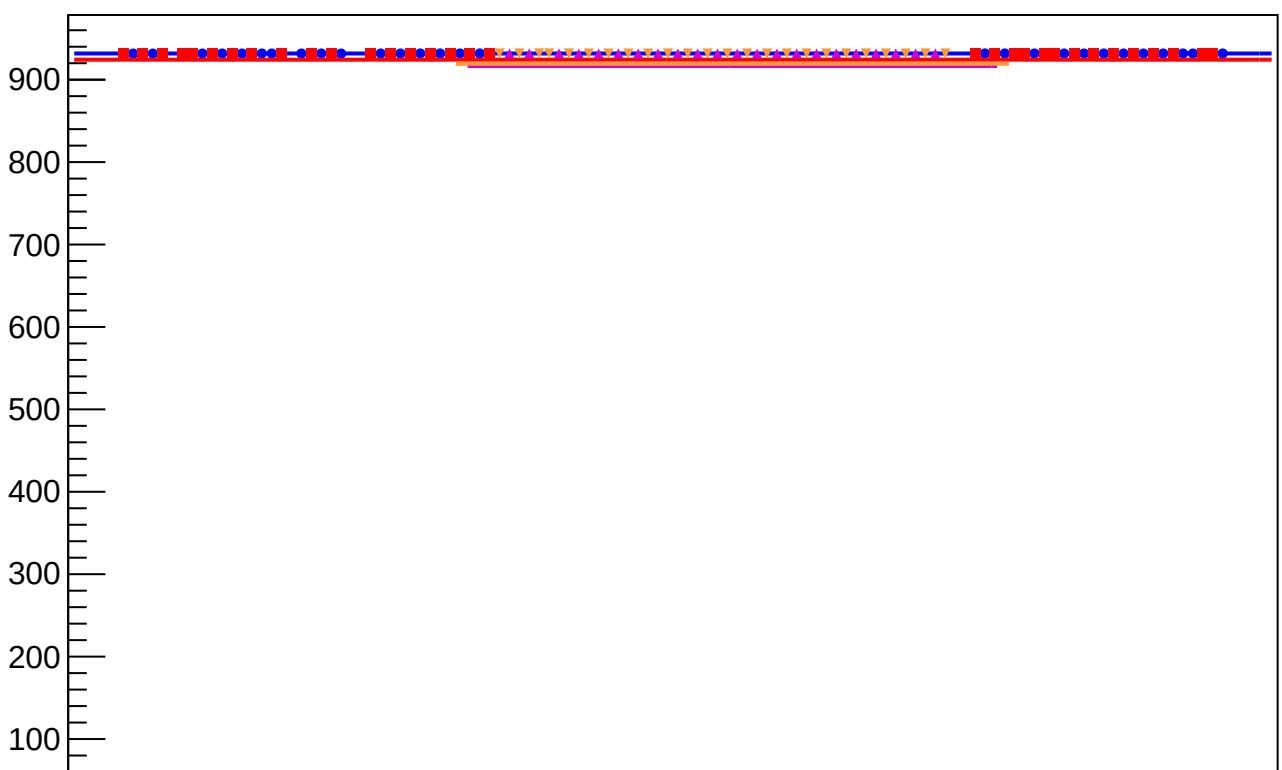
Left In: 0.009+/-0.000 χ^2/NDF:0.1/22

+ sign 0.009+/-0.000 χ^2/NDF: 0.3/52

All: 0.009+/-0.000 χ^2/NDF: 0.8/108

- sign 0.009+/-0.000 χ^2/NDF: 0.5/55

HacL_Q2_HP3458A_IOUT_mean vs Slug



Right In: 931.779+/-0.000 χ^2/NDF: 339882041691408859364529170022 4.0/27

+ sign 925.035+/-0.000 χ^2/NDF: 231638132821086

Left Out: 919.347+/-0.000 χ^2/NDF:230211234962152806190415261330812 43648.0/24

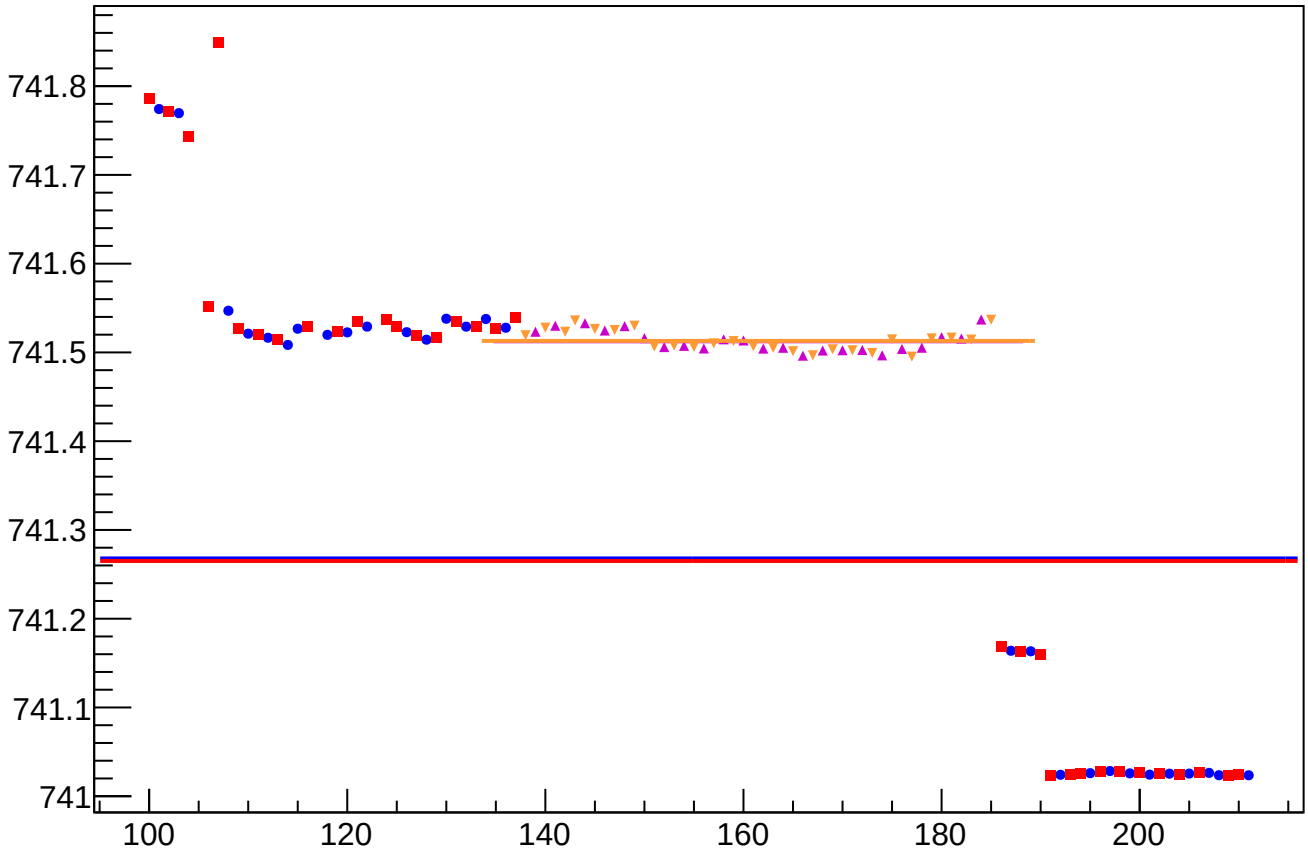
All: 922.708+/-0.000 χ^2/NDF: 625452217253

Right Out: 924.258+/-0.000 χ^2/NDF: 1291720267037068745935155853530025 1648.0/32

- sign 920.408+/-0.000 χ^2/NDF: 393413463336846

Left In: 916.654+/-0.000 χ^2/NDF:263697449311835480737856648421855723 52.0/22

HacL_D1_HP3458A_IOUT_mean vs Slug



Right In: 741.268+/-0.000 χ^2/NDF: 126603185478355140435044821106688.0/27

Left Out: 741.513+/-0.000 χ^2/NDF:25197631076812629623188960051 2.0/24

Right Out: 741.265+/-0.000 χ^2/NDF: 136262165412308523769372451274752.0/32

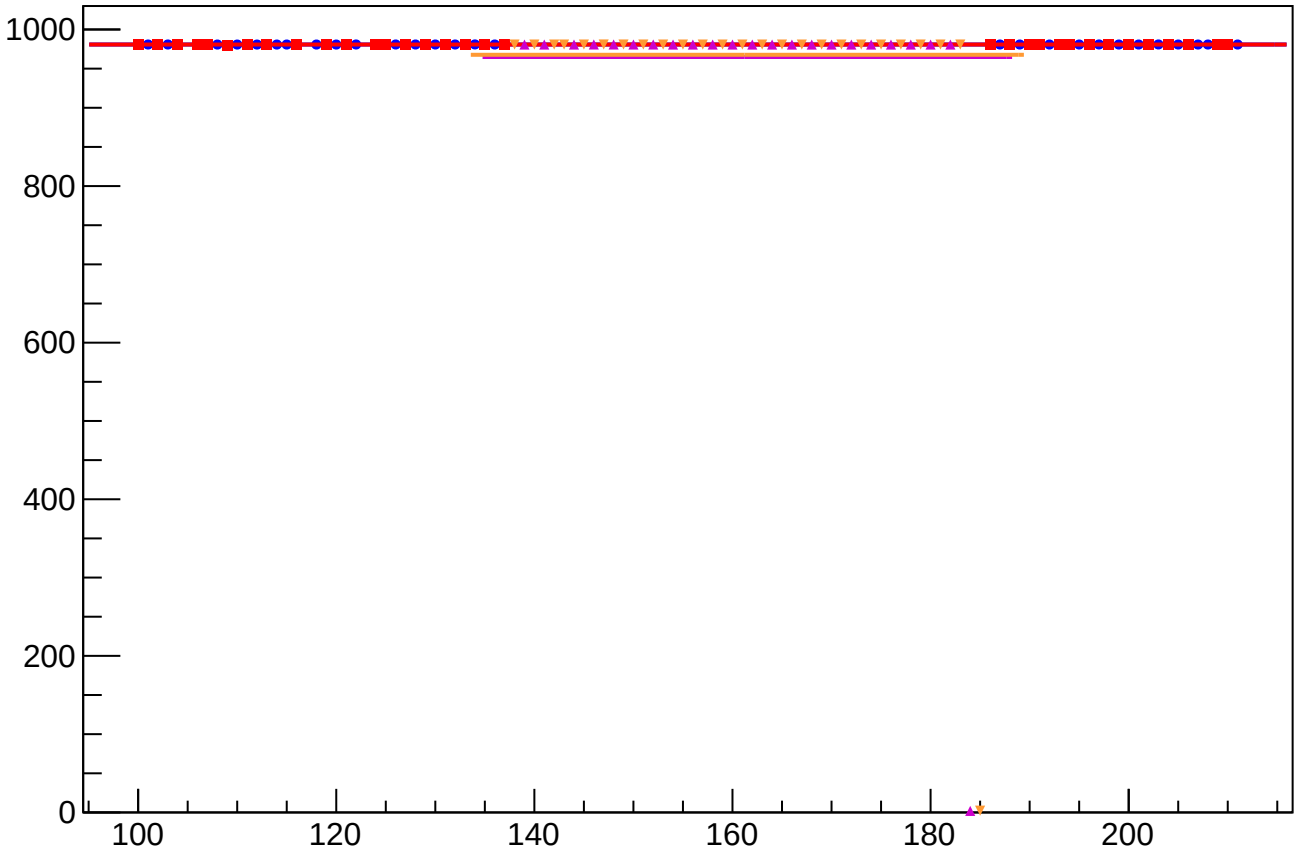
Left In: 741.513+/-0.000 χ^2/NDF:234703983030085423185895882752.0/22

+ sign 741.401+/-0.000 χ^2/NDF: 182313248237371

All: 741.396+/-0.000 χ^2/NDF: 376649638783

- sign 741.390+/-0.000 χ^2/NDF: 194132724909128

HacL_Q3_HP3458A_IOUT_mean vs Slug



Right In: 980.805+/-0.000 χ^2/NDF: 1875323104878462179214972944384.0/27

+ sign 973.683+/-0.000 χ^2/NDF: 256642935851004

Left Out: 967.677+/-0.000 χ^2/NDF:2550515560327992564154129577963369267 2.0/24

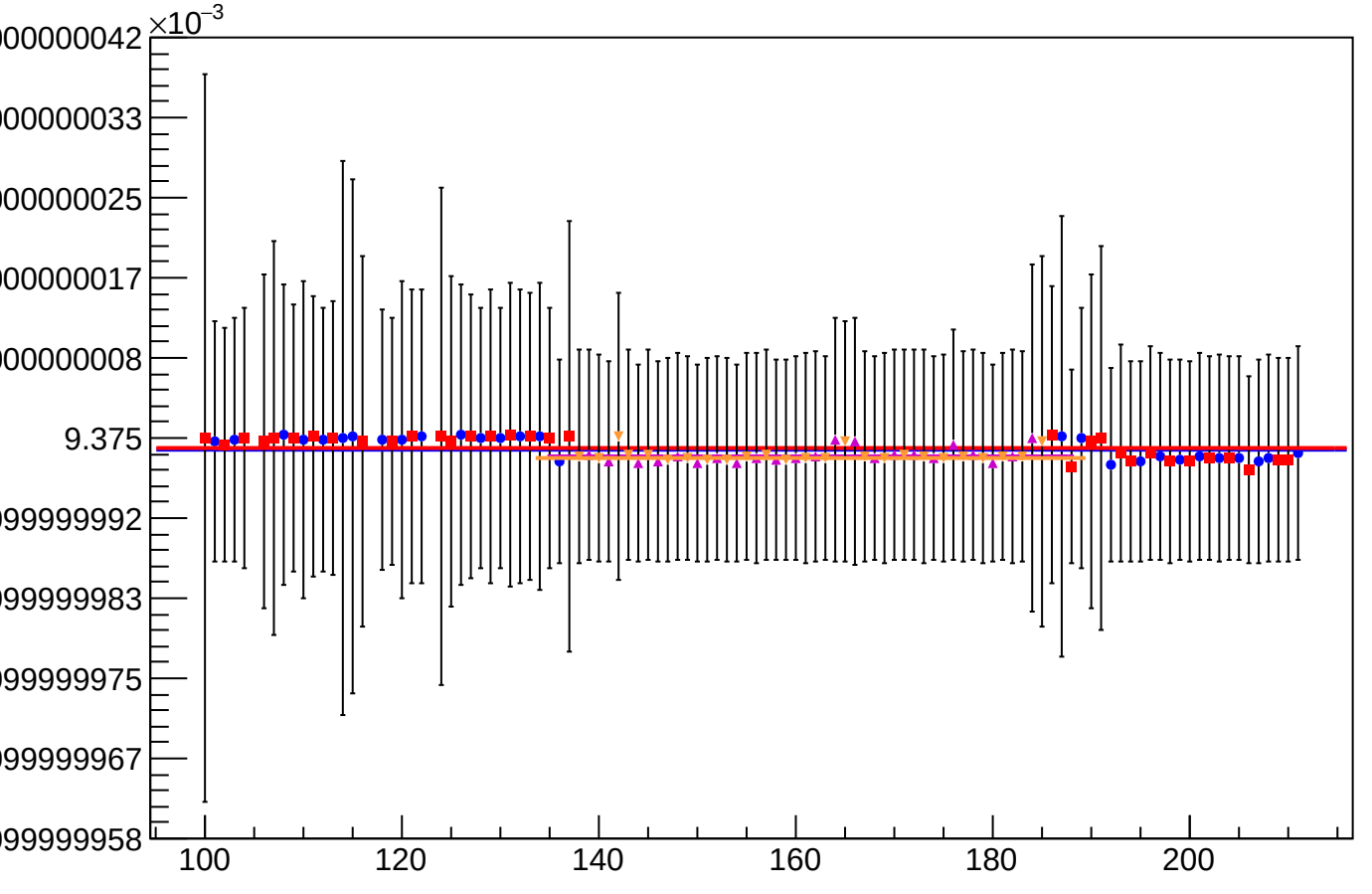
All: 973.196+/-0.000 χ^2/NDF: 551205544062

Right Out: 980.779+/-0.000 χ^2/NDF: 6341937523386149194377633726464 0.0/32

- sign 972.715+/-0.000 χ^2/NDF: 294545066983097

Left In: 964.854+/-0.000 χ^2/NDF:2921583896010307878411284562824501 6576.0/22

MQ172RM_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 0.2/27

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: 0.009+/-0.000 χ^2/NDF: 0.3/32

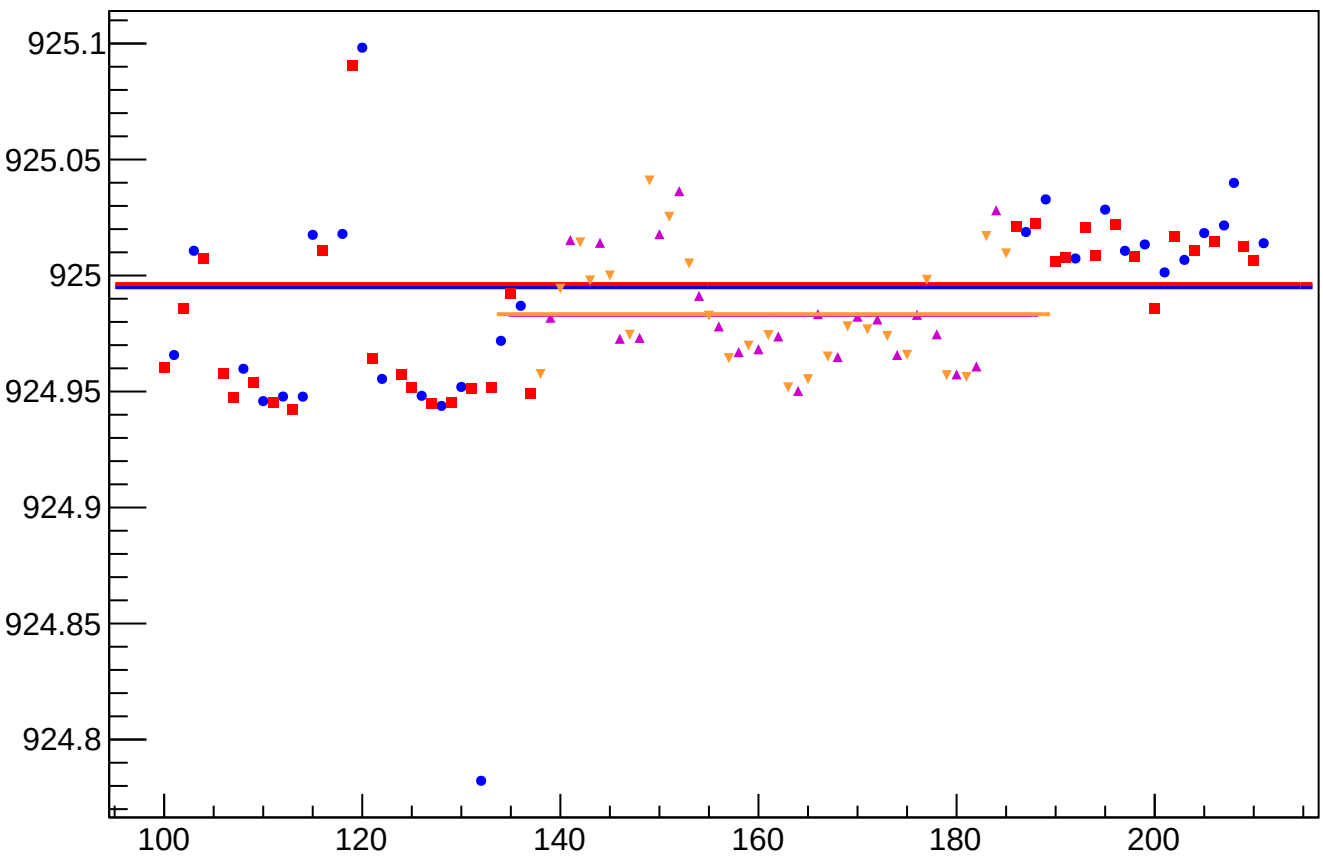
Left In: 0.009+/-0.000 χ^2/NDF:0.1/22

+ sign 0.009+/-0.000 χ^2/NDF: 0.3/52

All: 0.009+/-0.000 χ^2/NDF: 0.8/108

- sign 0.009+/-0.000 χ^2/NDF: 0.5/55

HacR_Q2_HP3458A_IOUT_mean vs Slug



Right In: 924.995+/-0.000 χ^2/NDF: 3747450486937865867189104410624.0/27

Left Out: 924.983+/-0.000 χ^2/NDF:1161112698344246137667167715328.0/24

Right Out: 924.996+/-0.000 χ^2/NDF: 19840767740806566338880549683 20.0/32

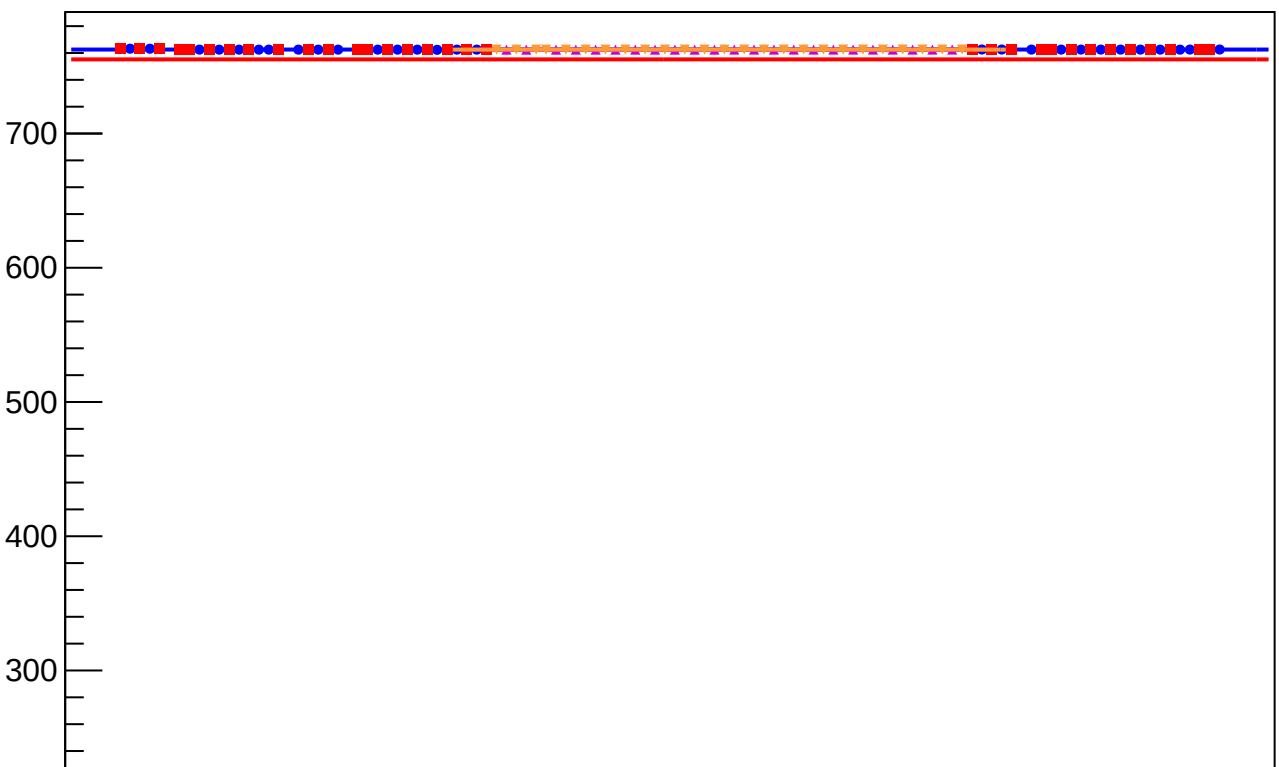
Left In: 924.983+/-0.000 χ^2/NDF:92827030718158770136834847539 2.0/22

+ sign 924.989+/-0.000 χ^2/NDF: 503407637227693

All: 924.989+/-0.000 χ^2/NDF: 81141030931

- sign 924.990+/-0.000 χ^2/NDF: 307842709422211

HacR_D1_HP3458A_IOUT_mean vs Slug



Right In: 762.566+/-0.000 χ^2/NDF: 553760409961327606087373354434560/27

Left Out: 762.518+/-0.000 χ^2/NDF:767703709161817083348479115264.0/24

Right Out: 755.234+/-0.000 χ^2/NDF: 7339291581504699913759163287626317824.0/32

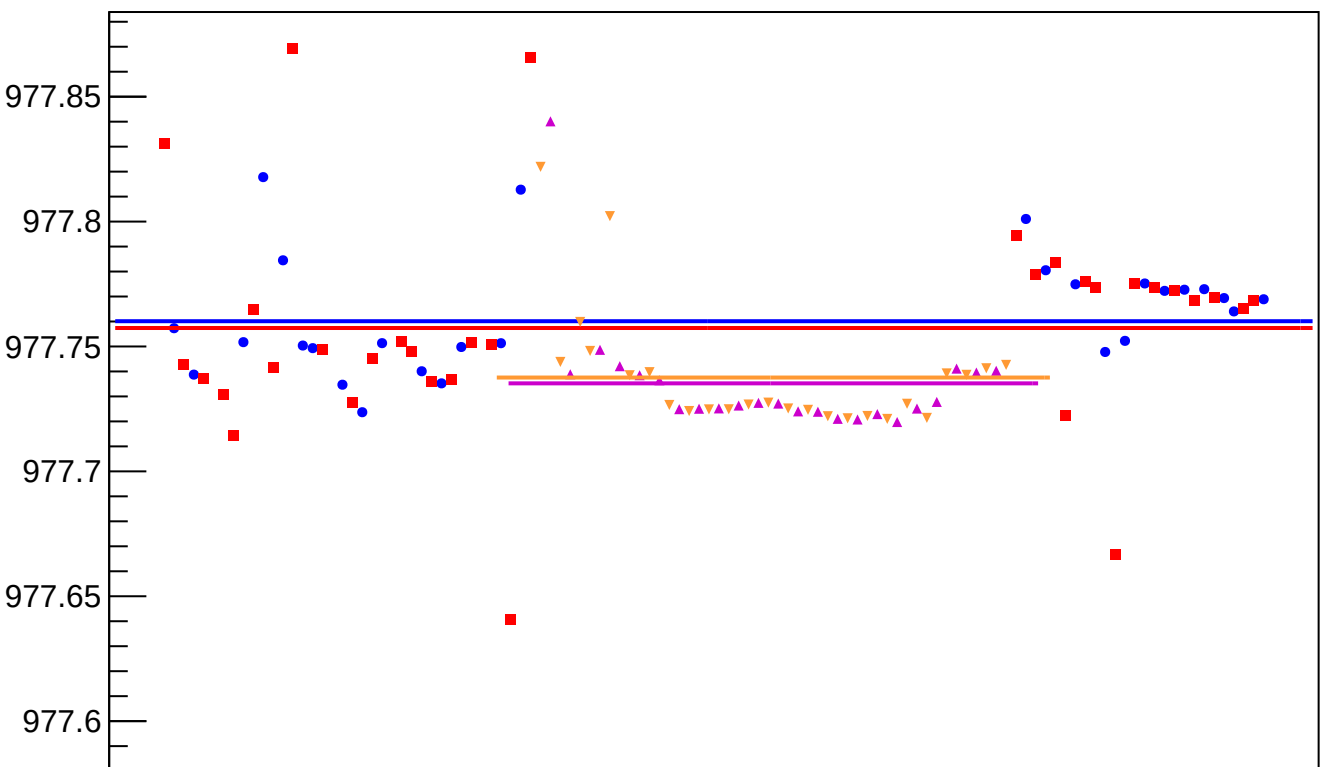
Left In: 762.519+/-0.000 χ^2/NDF:67064753778125939445211961753 6.0/22

+ sign 762.540+/-0.000 χ^2/NDF: 582862814663793

All: 760.721+/-0.000 χ^2/NDF: 74137722655

- sign 758.923+/-0.000 χ^2/NDF: 738922698229889

HacR_Q3_HP3458A_IOUT_mean vs Slug



Right In: 977.760+/-0.000 χ^2/NDF: 22204065963674043242334545510 40.0/27

+ sign 977.748+/-0.000 χ^2/NDF: 386856158964372

Left Out: 977.738+/-0.000 χ^2/NDF:1178407872566336572325000904704.0/24

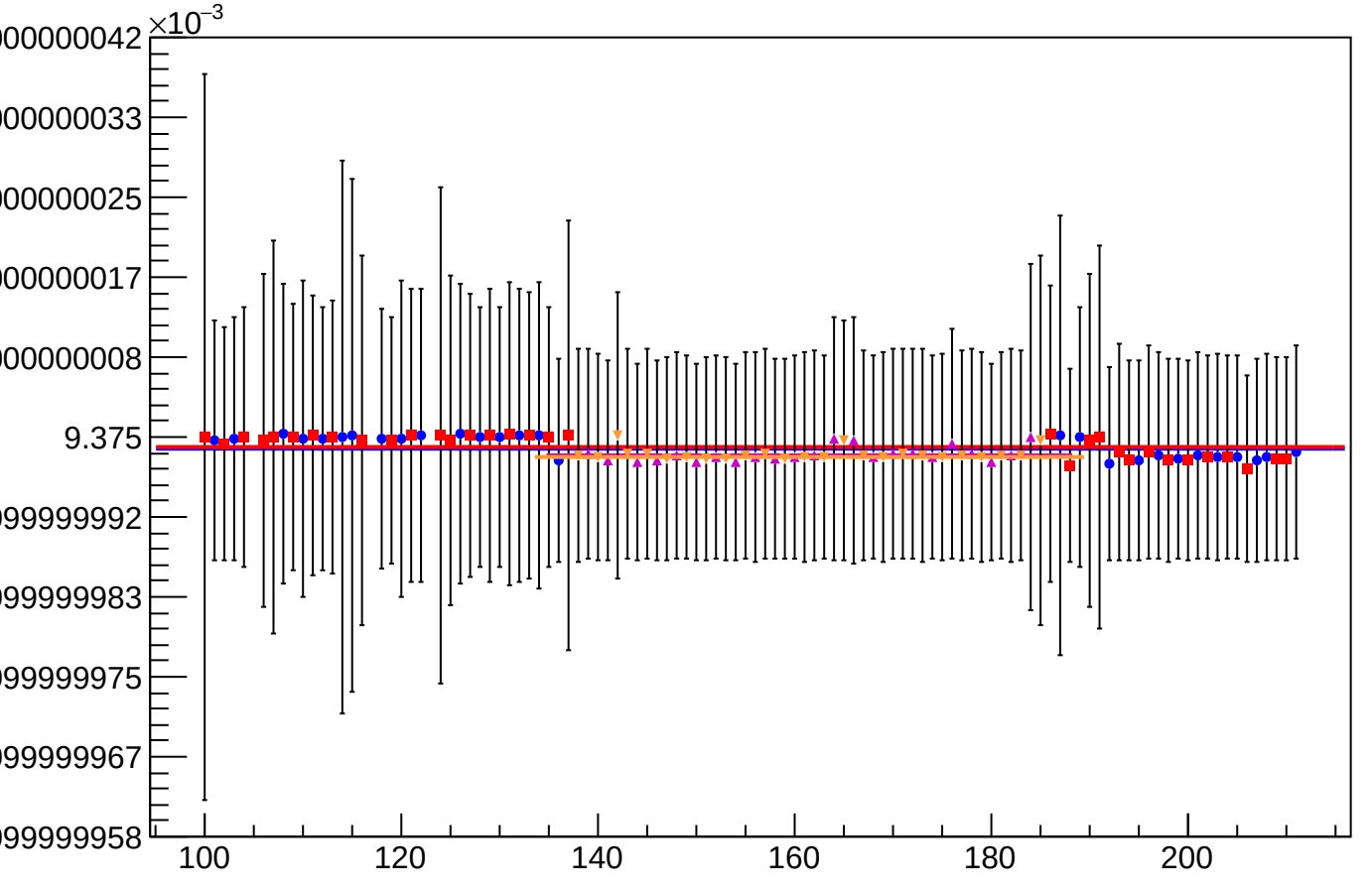
All: 977.747+/-0.000 χ^2/NDF: 829134076645

Right Out: 977.757+/-0.000 χ^2/NDF: 2858536244092167193217728512000.0/32

- sign 977.746+/-0.000 χ^2/NDF: 441730140056393

Left In: 977.735+/-0.000 χ^2/NDF:109676643760541725462707254 0672.0/22

hesDipole_current_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 0.2/27

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: 0.009+/-0.000 χ^2/NDF: 0.3/32

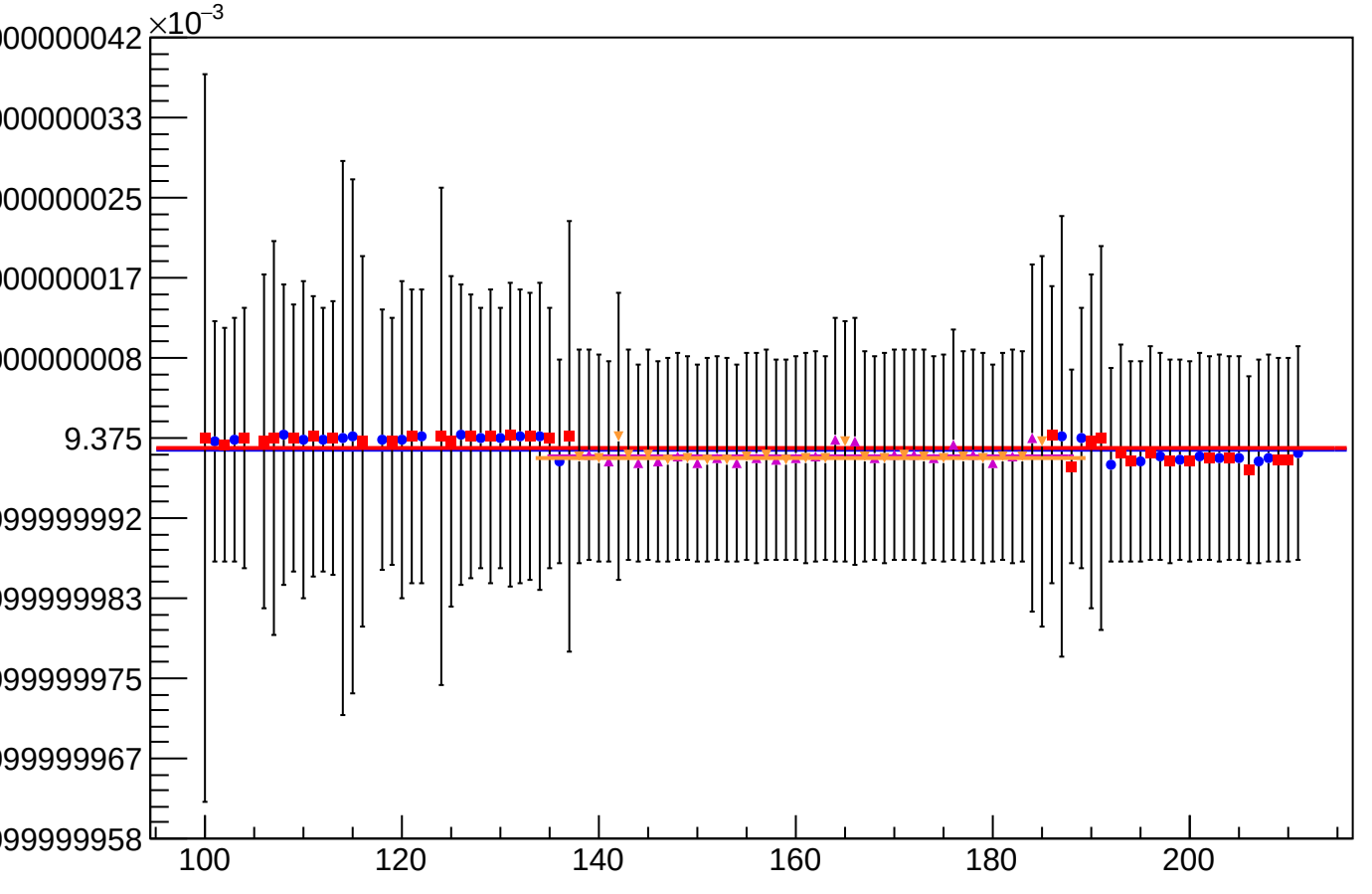
Left In: 0.009+/-0.000 χ^2/NDF:0.1/22

+ sign 0.009+/-0.000 χ^2/NDF: 0.3/52

All: 0.009+/-0.000 χ^2/NDF: 0.8/108

- sign 0.009+/-0.000 χ^2/NDF: 0.5/55

MSUPERBIGBITEreadcalc_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 0.2/27

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: 0.009+/-0.000 χ^2/NDF: 0.3/32

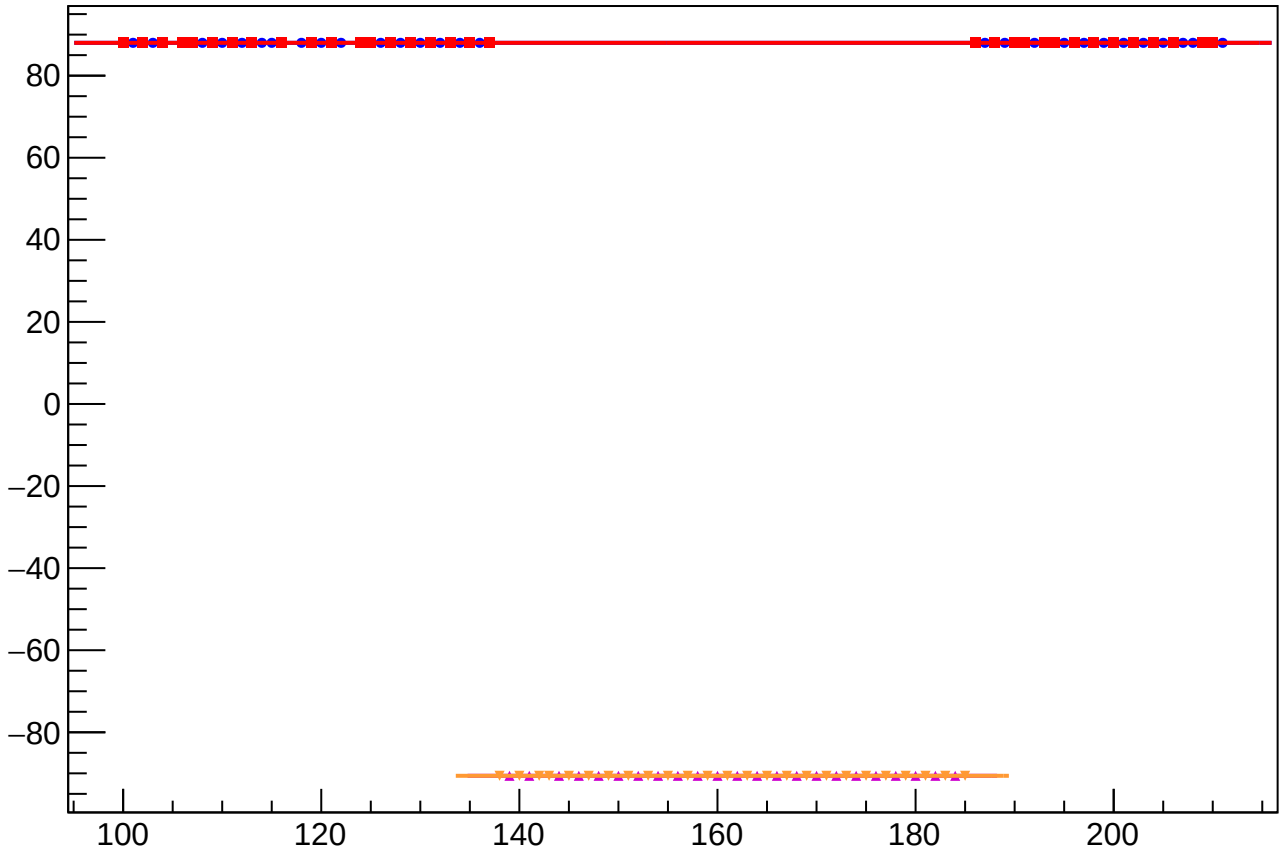
Left In: 0.009+/-0.000 χ^2/NDF:0.1/22

+ sign 0.009+/-0.000 χ^2/NDF: 0.3/52

All: 0.009+/-0.000 χ^2/NDF: 0.8/108

- sign 0.009+/-0.000 χ^2/NDF: 0.5/55

VWienAngle_mean vs Slug



Right In: 88.001+/-0.000 χ^2/NDF: 4142769.3/27

Left Out: -90.599+/-0.000 χ^2/NDF:5219558.1/24

Right Out: 88.002+/-0.000 χ^2/NDF: 765139667703150900362755440640.0/32

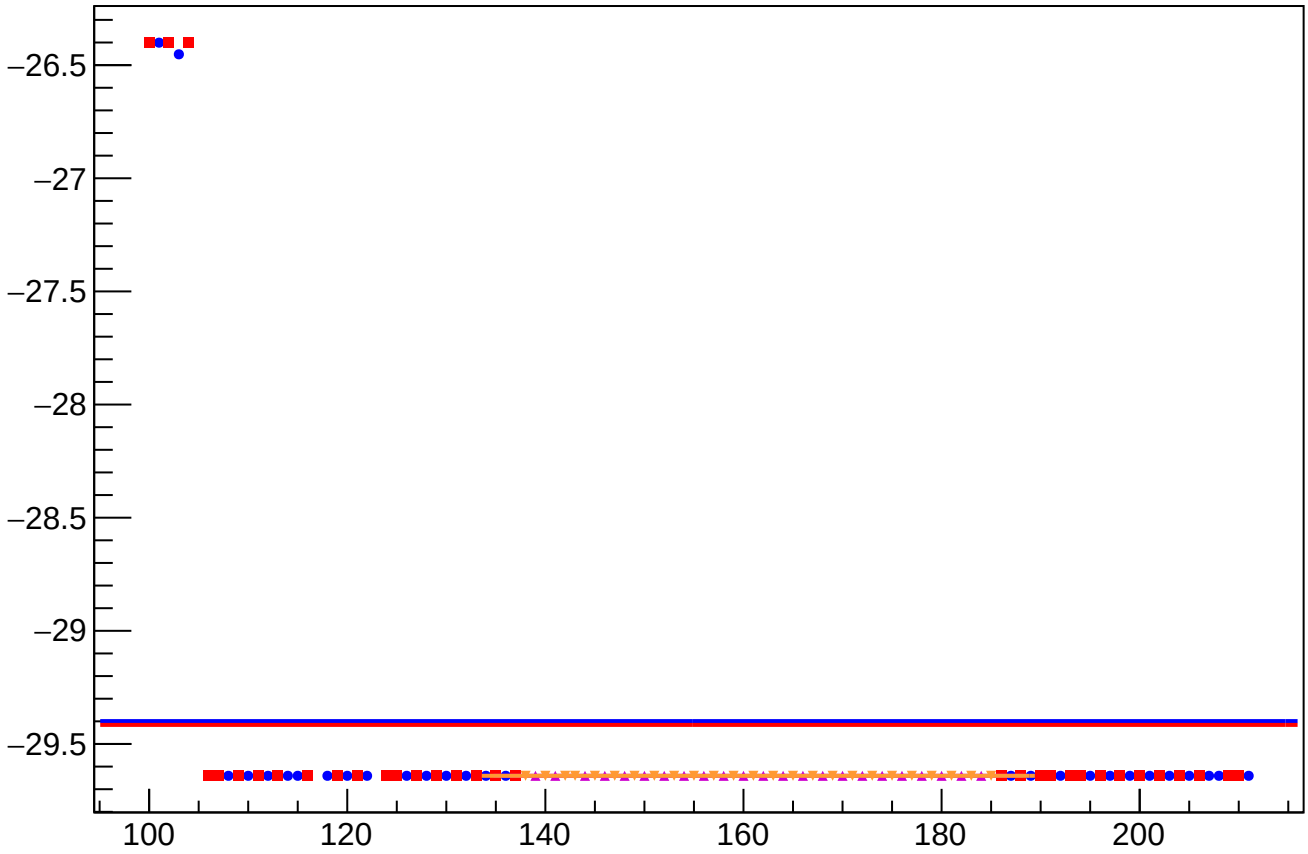
Left In: -90.599+/-0.000 χ^2/NDF:7520558.1/22

+ sign -8.885+/-0.000 χ^2/NDF: 2945104347918277

All: -5.642+/-0.000 χ^2/NDF: 595402899935

- sign -2.438+/-0.000 χ^2/NDF: 3001147226144847

HWienAngle_mean vs Slug



Right In: -29.399+/-0.000 χ^2/NDF: 1223383740674836854283430562627584.0/27

Left Out: -29.641+/-0.000 χ^2/NDF:409122.2/24

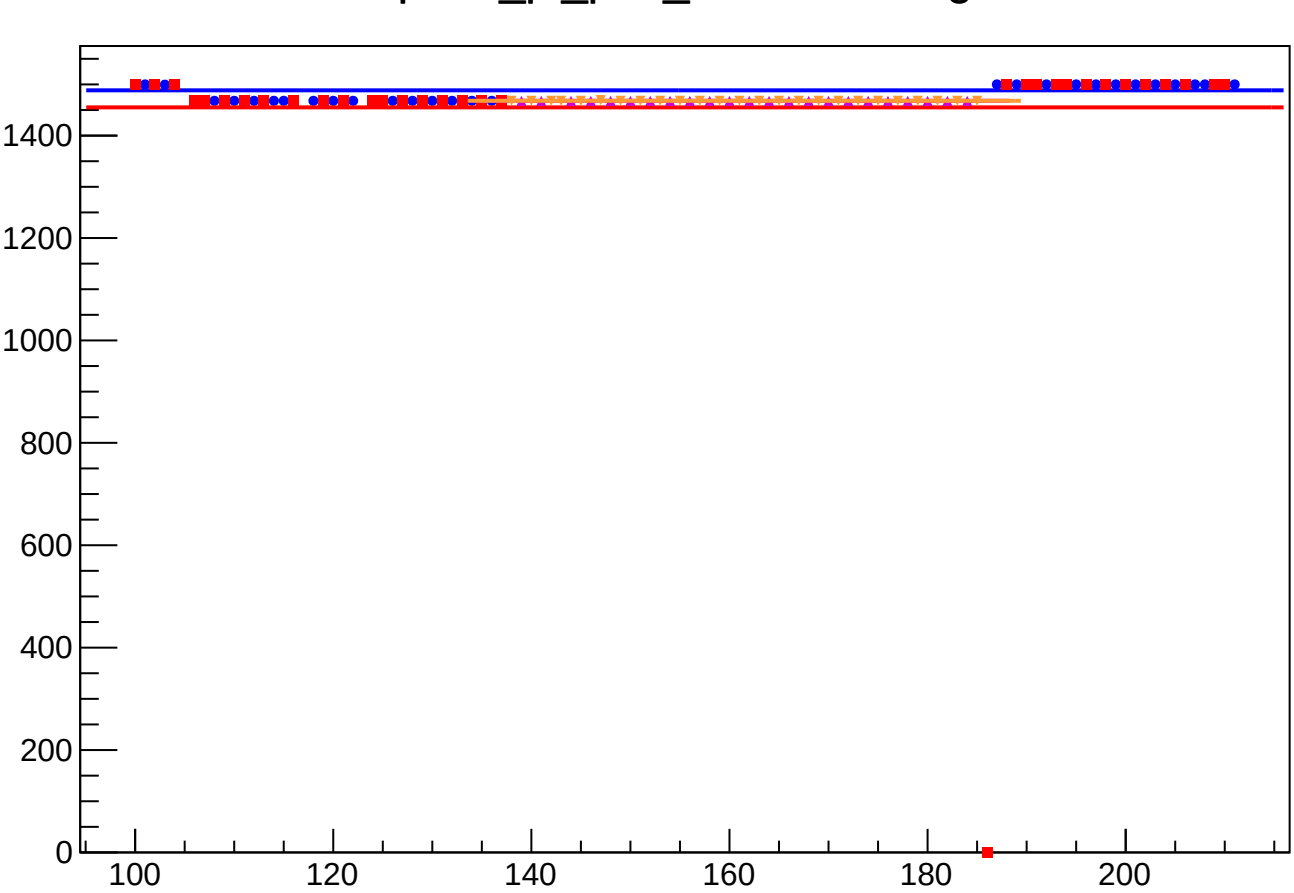
Right Out: -29.416+/-0.000 χ^2/NDF: 126016964564047483128446352726425 6.0/32

Left In: -29.641+/-0.000 χ^2/NDF:290780.4/22

+ sign -29.530+/-0.000 χ^2/NDF: 127734923115206

All: -29.530+/-0.000 χ^2/NDF: 258512909228

- sign -29.530+/-0.000 χ^2/NDF: 1307779517534528



Right In: 1488.449+/-0.000 χ^2/NDF: 401447002766534081558587333303861248.0/27

+ sign 1477.383+/-0.000 χ^2/NDF: 78576096164852

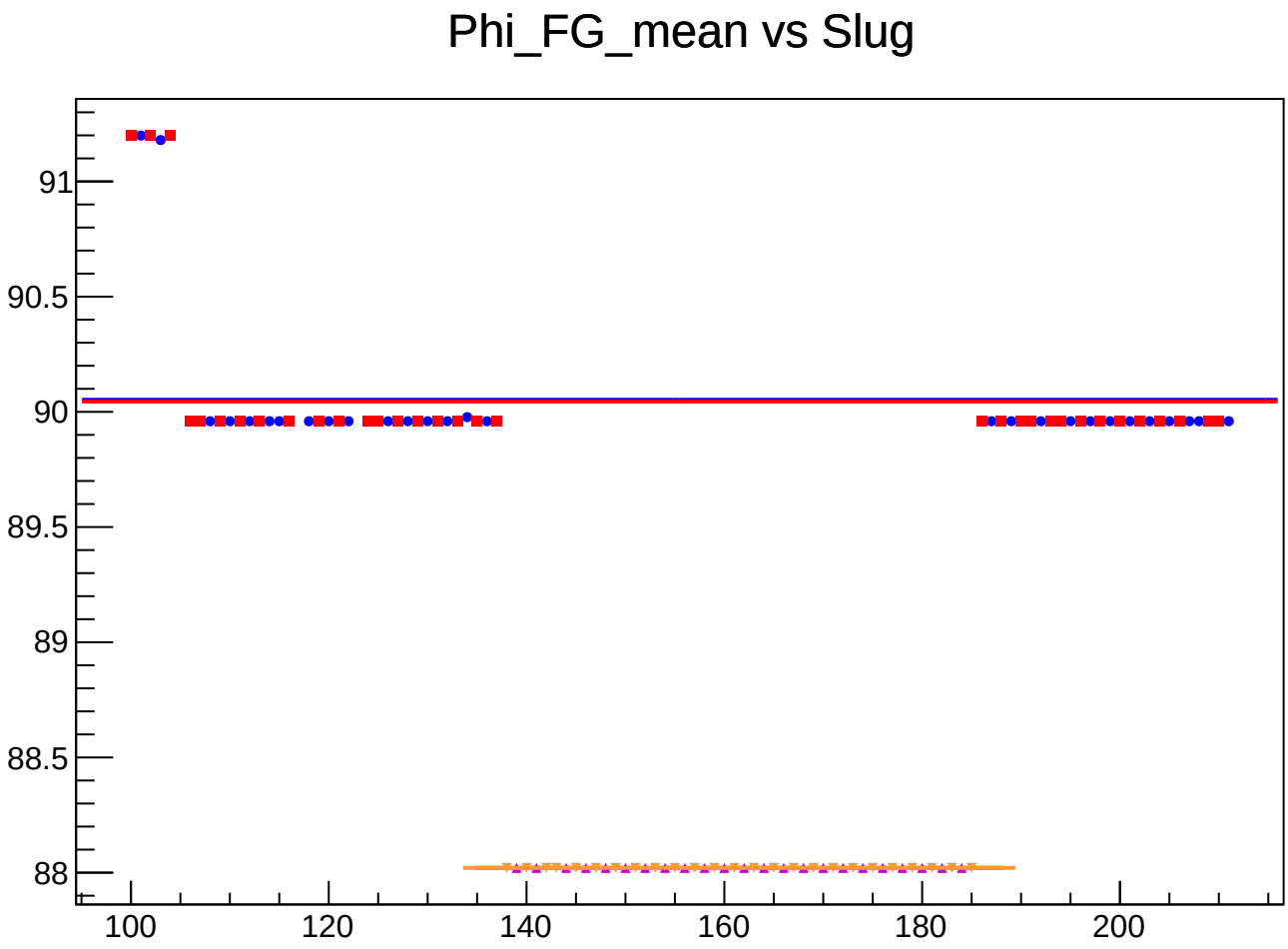
Left Out: 1468.051+/-0.000 χ^2/NDF:139558223587677068165594208010240.0/24

All: 1469.476+/-0.000 χ^2/NDF: 9281725551

Right Out: 1455.167+/-0.000 χ^2/NDF: 914142822363012958829112109975784652800/32

- sign 1461.662+/-0.000 χ^2/NDF: 91569074257290

Left In: 1467.994+/-0.000 χ^2/NDF:155493808986096753755224539136.0/22



Right In: 90.052+/-0.000 χ^2/NDF: 17907457805306678300928766482841 6.0/27

Left Out: 88.021+/-0.000 χ^2/NDF:5113333.3/24

Right Out: 90.045+/-0.000 χ^2/NDF: 184579032077528533466686353833984.0/32

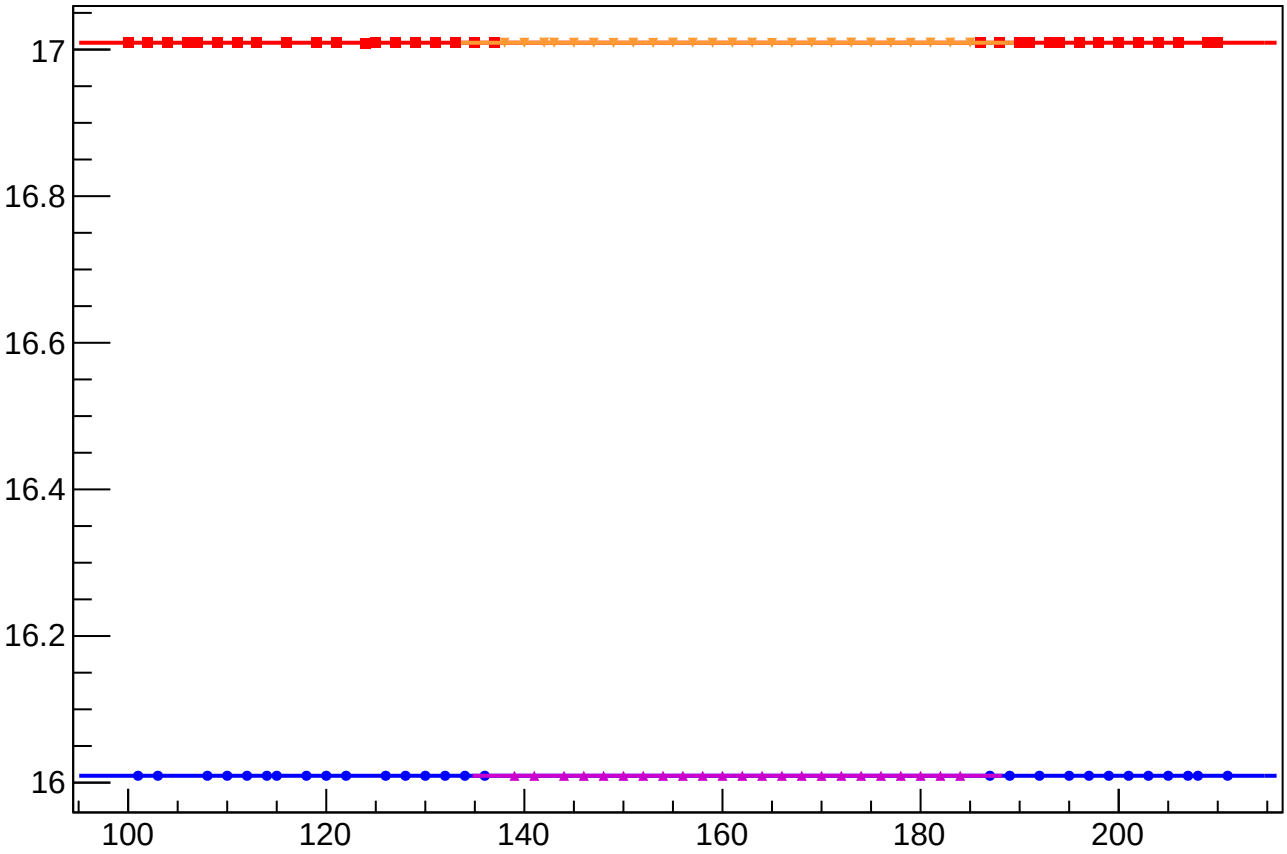
Left In: 88.021+/-0.000 χ^2/NDF:7159272.4/22

+ sign 88.950+/-0.000 χ^2/NDF: 3989587044919977

All: 88.985+/-0.000 χ^2/NDF: 8040187260133

- sign 89.020+/-0.000 χ^2/NDF: 4041444490742563

IGL1I00DI24_24M_mean vs Slug



Right In: 16.009+/-0.000 χ^2/NDF: 1063762692456311139860480.0/27

Left Out: 17.009+/-0.000 χ^2/NDF:279903456758836896737525760.0/24

Right Out: 17.009+/-0.000 χ^2/NDF: 21090428755724564038680576.0/32

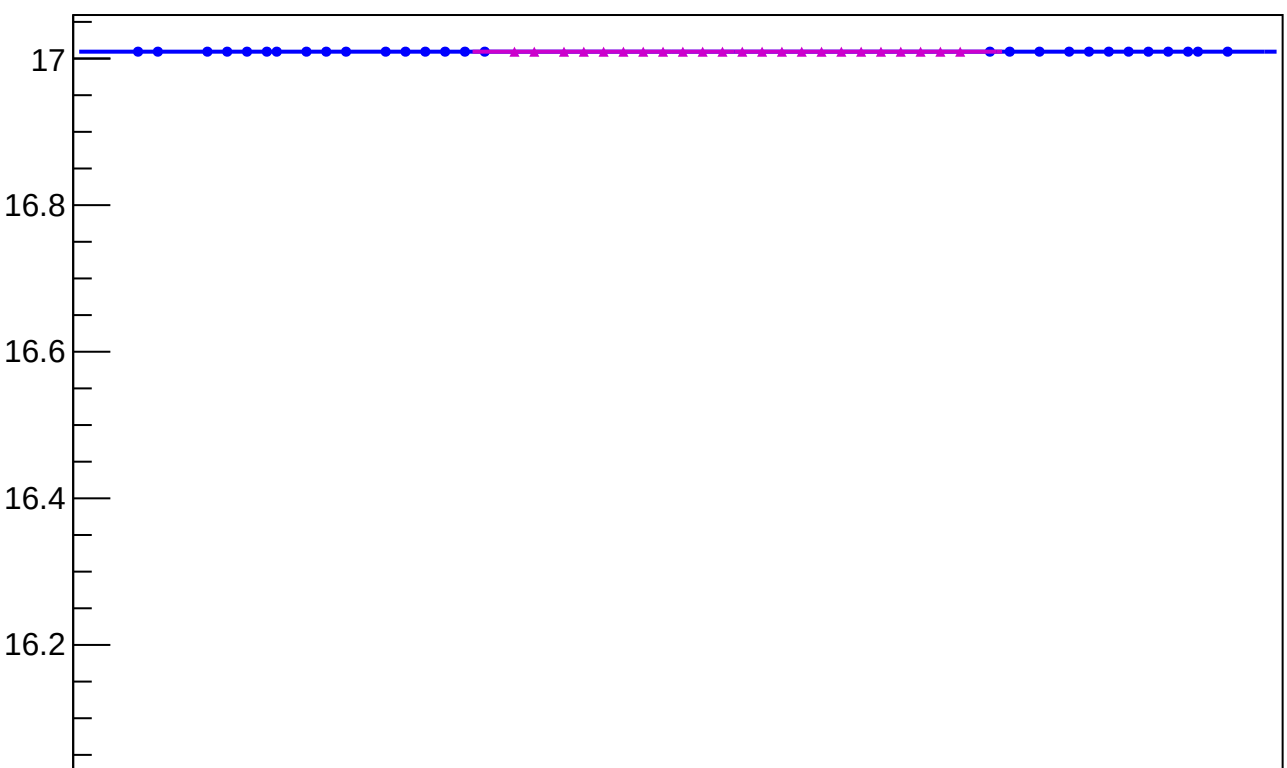
Left In: 16.009+/-0.000 χ^2/NDF:12468791216706352368844 8.0/22

+ sign 16.539+/-0.000 χ^2/NDF: 8804701126827333

All: 16.525+/-0.000 χ^2/NDF: 1770836793618

- sign 16.512+/-0.000 χ^2/NDF: 8890863677848526

IGL1I00OD16_16_mean vs Slug



Right In: 17.009+/-0.000 χ^2/NDF: 1063938720403266239201280.0/27

Left Out: 16.009+/-0.000 χ^2/NDF:2818892758481805649117184.0/24

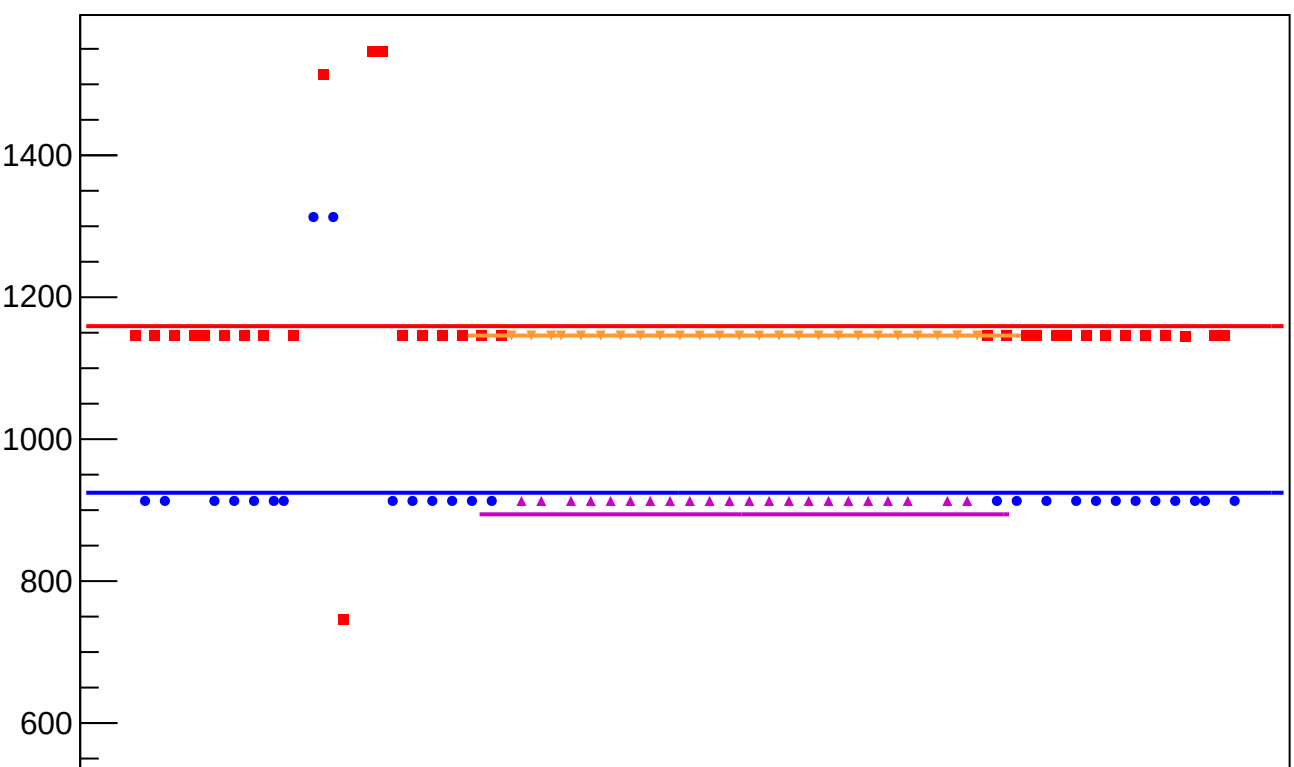
Right Out: 16.009+/-0.000 χ^2/NDF: 601995.5/32

Left In: 17.009+/-0.000 χ^2/NDF:11100710442088156626944 0.0/22

+ sign 16.465+/-0.000 χ^2/NDF: 9078403513182787

All: 16.488+/-0.000 χ^2/NDF: 184008003768

- sign 16.510+/-0.000 χ^2/NDF: 9284944568987195



Right In: 924.511+/-0.000 χ^2/NDF: 213756839294379564776559221709566115840.0/27

+ sign 1044.673+/-0.000 χ^2/NDF: 66678241480927

Left Out: 1146.020+/-0.000 χ^2/NDF:37030712979418714599064306974720.0/24

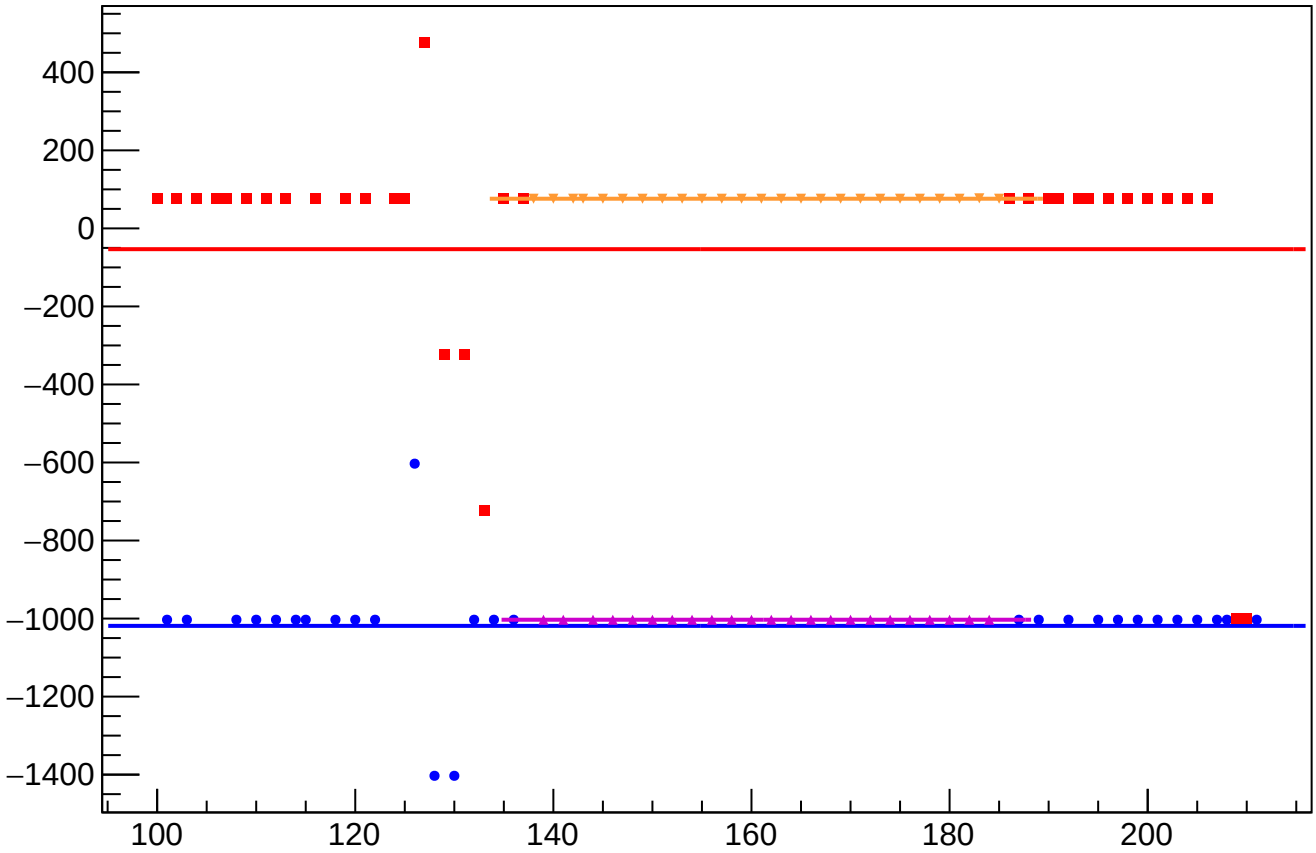
All: 1034.773+/-0.000 χ^2/NDF: 1692748681

Right Out: 1159.253+/-0.000 χ^2/NDF: 22620860540084171595558204792111104000.0/32

- sign 1024.989+/-0.000 χ^2/NDF: 10187169254902

Left In: 894.107+/-0.000 χ^2/NDF:13107238299211712783896183802964213760.0/22

RTPAPOSVCNT_mean vs Slug



Right In: -1018.735+/-0.000 χ^2/NDF: 2341769351466469060385051625039016755 2.0/27

+ sign -424.842+/-0.000 χ^2/NDF: 11300352318139

Left Out: 76.053+/-0.000 χ^2/NDF:8137119629458086651457121026048 0.0/24

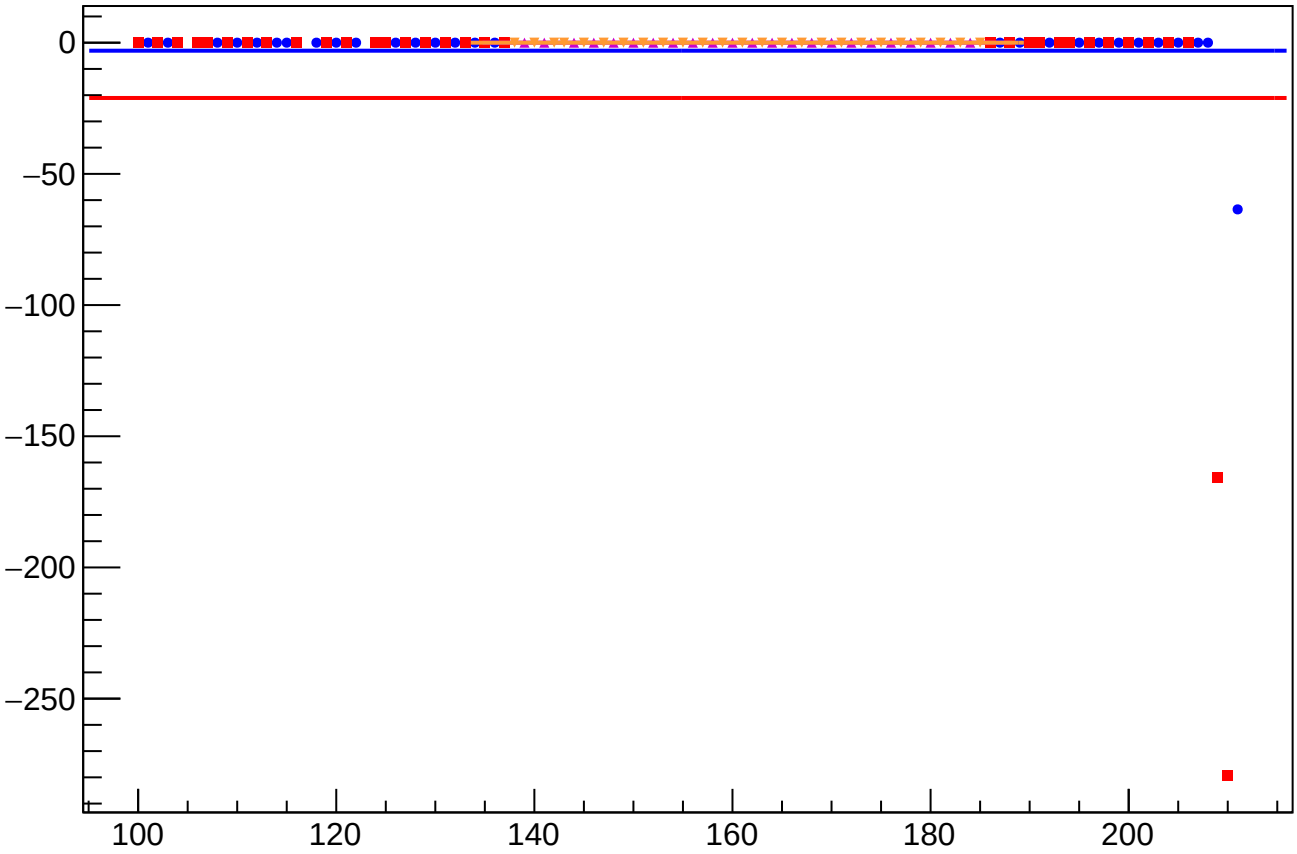
All: -479.831+/-0.000 χ^2/NDF: 22232021249

Right Out: -53.255+/-0.000 χ^2/NDF: 22216035202859227051009988294356028620 8.0/32

- sign -534.178+/-0.000 χ^2/NDF: 107080108030465

Left In: -1002.990+/-0.000 χ^2/NDF:29519559033483147530972692 48.0/22

RTPPITA1CNT_mean vs Slug



Right In: -3.052+/-0.000 χ^2/NDF: 3151074799172557655706835638057697280/27

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: -21.070+/-0.000 χ^2/NDF: 8459783412974249052010107830930505728.0/32

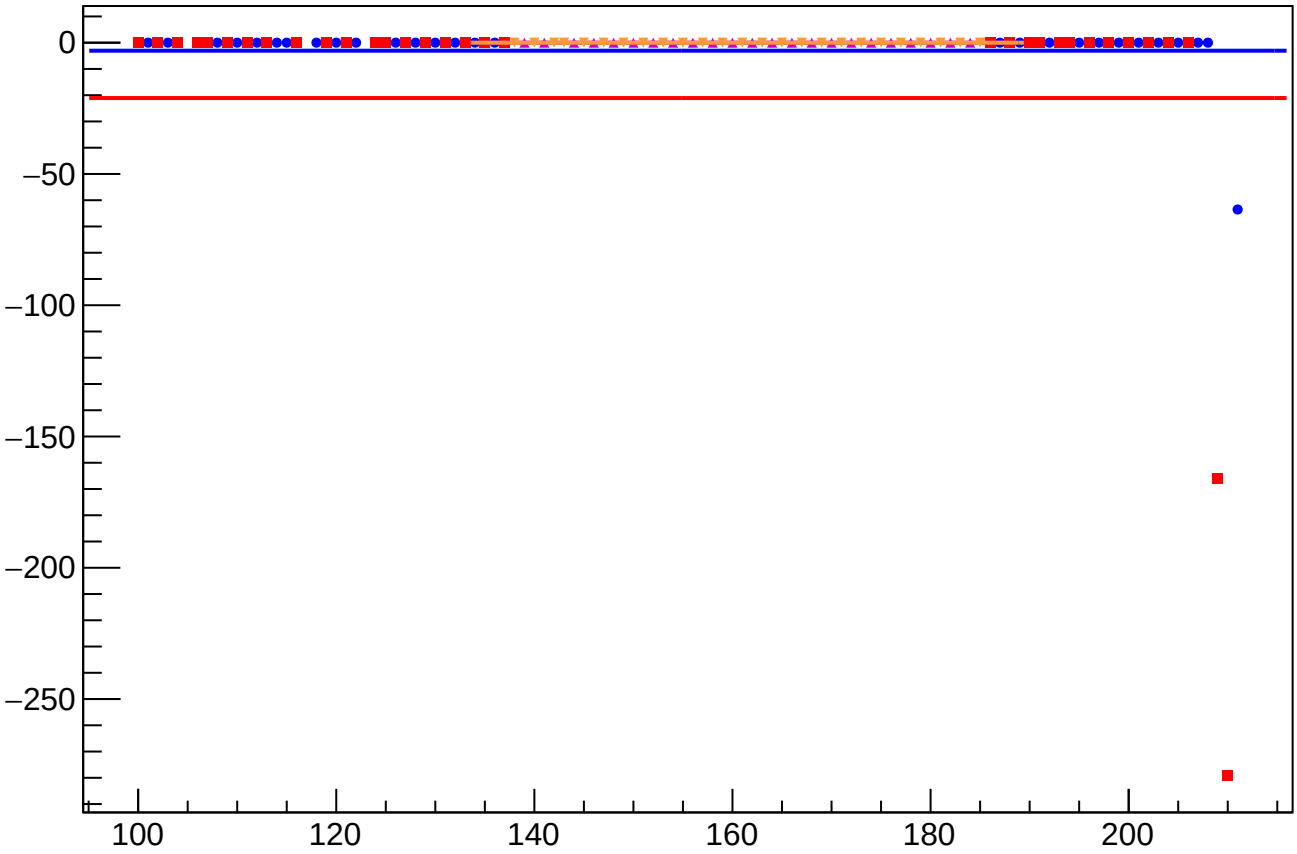
Left In: 0.009+/-0.000 χ^2/NDF:0.1/22

+ sign -1.391+/-0.000 χ^2/NDF: 3237598636532820

All: -5.920+/-0.000 χ^2/NDF: 9353323649973

- sign -10.396+/-0.000 χ^2/NDF: 887785426374972

RTPPITA2CNT_mean vs Slug



Right In: -3.052+/-0.000 χ^2/NDF: 3151074799172557655706835638057697280/27

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: -21.087+/-0.000 χ^2/NDF: 8465064697319223849785425873460002816.0/32

Left In: 0.009+/-0.000 χ^2/NDF:0.1/22

+ sign -1.391+/-0.000 χ^2/NDF: 3237598636532820

All: -5.924+/-0.000 χ^2/NDF: 9359522567127

- sign -10.404+/-0.000 χ^2/NDF: 8883782065682140